

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110918\
 Data File : VX005890.D
 Acq On : 10 Nov 2018 04:51
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/12/2018 9:12:18 AM

Quant Time: Nov 12 02:59:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	139173	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	188450	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	165833	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	91406	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	76319	47.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.40%	
35) Dibromofluoromethane	5.51	113	62181	48.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.02%	
50) Toluene-d8	8.71	98	211638	49.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.34%	
62) 4-Bromofluorobenzene	11.14	95	79145	51.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.32%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	57360	45.712	ug/l	98
3) Chloromethane	1.32	50	71338	43.320	ug/l	100
4) Vinyl Chloride	1.41	62	73509	44.465	ug/l	97
5) Bromomethane	1.64	94	39738	39.279	ug/l	96
6) Chloroethane	1.71	64	45567	46.195	ug/l	96
7) Trichlorofluoromethane	1.92	101	99640	45.406	ug/l	93
8) Diethyl Ether	2.18	74	43054	50.071	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	57183	45.308	ug/l	98
10) Methyl Iodide	2.51	142	75146	49.127	ug/l	97
11) Tert butyl alcohol	3.07	59	111852	244.039	ug/l	99
12) 1,1-Dichloroethene	2.37	96	58955	47.926	ug/l	91
13) Acrolein	2.29	56	39469	185.922	ug/l	98
14) Allyl chloride	2.72	41	125591	45.713	ug/l	96
15) Acrylonitrile	3.15	53	243501	256.357	ug/l	95
16) Acetone	2.45	43	198632	230.575	ug/l	92
17) Carbon Disulfide	2.57	76	162073	44.171	ug/l	98
18) Methyl Acetate	2.78	43	118733	51.474	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	216054	51.459	ug/l	95
20) Methylene Chloride	2.85	84	65950	46.605	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	64343	49.591	ug/l	86
22) Diisopropyl ether	3.86	45	234246	48.671	ug/l	# 90
23) Vinyl Acetate	3.82	43	1008579	244.410	ug/l	99
24) 1,1-Dichloroethane	3.69	63	123724	48.184	ug/l	98
25) 2-Butanone	4.70	43	325606	240.413	ug/l	99
26) 2,2-Dichloropropane	4.59	77	69692	37.000	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	71518	49.919	ug/l	97
28) Bromochloromethane	5.02	49	57622	50.212	ug/l	95
29) Tetrahydrofuran	5.15	42	224255	257.882	ug/l	99
30) Chloroform	5.21	83	115596	46.662	ug/l	99
31) Cyclohexane	5.57	56	120577	54.097	ug/l	94
32) 1,1,1-Trichloroethane	5.50	97	100272	48.527	ug/l	99
36) 1,1-Dichloropropene	5.80	75	90426	49.775	ug/l	97
37) Ethyl Acetate	4.85	43	124753	52.220	ug/l	99
38) Carbon Tetrachloride	5.79	117	87744	48.245	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	96825	52.586	ug/l	90
40) Benzene	6.14	78	287897	54.360	ug/l	95
41) Methacrylonitrile	5.06	41	69625	53.936	ug/l	98
42) 1,2-Dichloroethane	6.20	62	94586	49.863	ug/l	99
43) Isopropyl Acetate	6.46	43	182967	52.855	ug/l	97
44) Trichloroethene	7.21	130	68278	50.765	ug/l	97
45) 1,2-Dichloropropane	7.51	63	68228	53.077	ug/l	95
46) Dibromomethane	7.66	93	41190	51.064	ug/l	99
47) Bromodichloromethane	7.90	83	79583	52.205	ug/l	98
48) Methyl methacrylate	7.77	41	88076	56.663	ug/l	98
49) 1,4-Dioxane	7.76	88	37933	1132.519	ug/l	95
51) 4-Methyl-2-Pentanone	8.65	43	568439	260.549	ug/l	100
52) Toluene	8.79	92	146355	49.445	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	86686	48.186	ug/l	100
54) cis-1,3-Dichloropropene	8.44	75	93029	50.736	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	61720	46.787	ug/l	97
56) Ethyl methacrylate	9.18	69	113418	57.462	ug/l	95
57) 1,3-Dichloropropane	9.37	76	102812	46.377	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	279294	259.358	ug/l	99
59) 2-Hexanone	9.49	43	442081	229.883	ug/l	98
60) Dibromochloromethane	9.59	129	62167	43.605	ug/l	99
61) 1,2-Dibromoethane	9.67	107	66390	45.513	ug/l	99
64) Tetrachloroethene	9.34	164	70226	49.739	ug/l	99
65) Chlorobenzene	10.14	112	164786	49.602	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	59227	51.280	ug/l	99
67) Ethyl Benzene	10.25	91	289598	54.362	ug/l	99
68) m/p-Xylenes	10.36	106	220780	108.652	ug/l	99
69) o-Xylene	10.70	106	108132	59.345	ug/l	99
70) Styrene	10.71	104	180725	60.126	ug/l	100
71) Bromoform	10.86	173	51622	53.317	ug/l #	98
73) Isopropylbenzene	11.02	105	294241	55.665	ug/l	100
74) N-amyl acetate	10.90	43	149505	50.398	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	97331	50.166	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	95258m	51.180	ug/l	
77) Bromobenzene	11.26	156	76784	51.537	ug/l	99
78) n-propylbenzene	11.36	91	336974	54.092	ug/l	100
79) 2-Chlorotoluene	11.42	91	197971	52.576	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	247727	55.149	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	27347	46.829	ug/l	96
82) 4-Chlorotoluene	11.51	91	236434	53.279	ug/l	99
83) tert-Butylbenzene	11.77	119	244853	53.881	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	259057	52.264	ug/l	100
85) sec-Butylbenzene	11.94	105	299958	53.978	ug/l	100
86) p-Isopropyltoluene	12.07	119	269033	54.655	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	142298	49.767	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	144388	49.328	ug/l	100
89) n-Butylbenzene	12.39	91	237911	52.150	ug/l	99
90) Hexachloroethane	12.60	117	40498	49.279	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	142622	49.792	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	25106	53.028	ug/l	81

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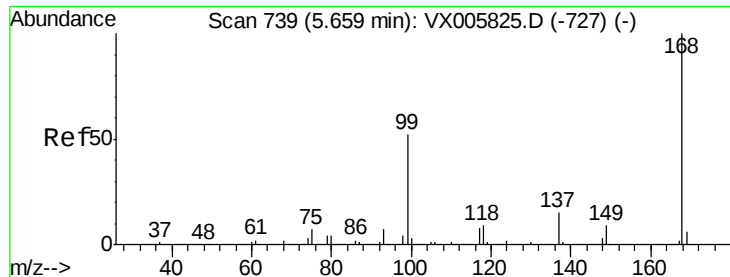
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	110719	54.908	ug/l	100
94) Hexachlorobutadiene	13.79	225	50299	47.487	ug/l	100
95) Naphthalene	13.83	128	354061	53.750	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	110072	53.581	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX005890.D

Acq: 10 Nov 2018 04:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 139173

Ion Ratio Lower Upper

168 100

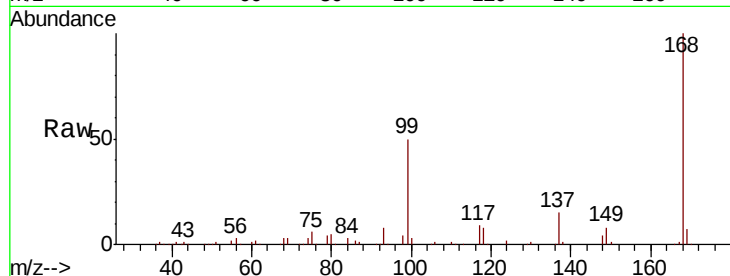
99 49.5 40.7 61.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

50000

40000

30000

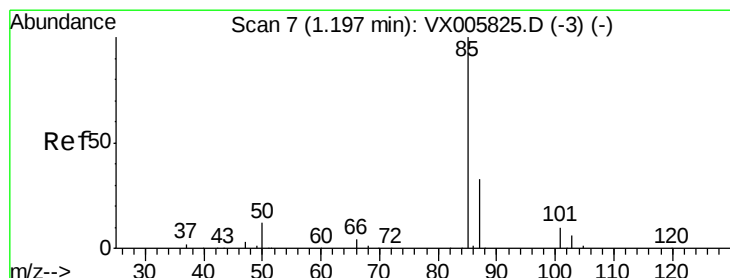
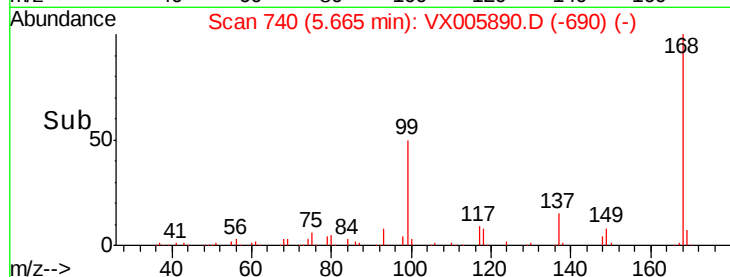
20000

10000

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Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 45.712 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX005890.D

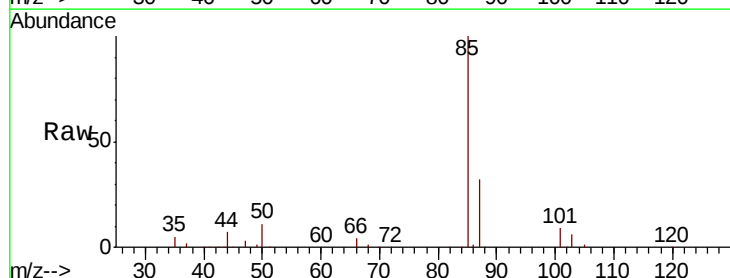
Acq: 10 Nov 2018 04:51

Tgt Ion: 85 Resp: 57360

Ion Ratio Lower Upper

85 100

87 31.7 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

60000

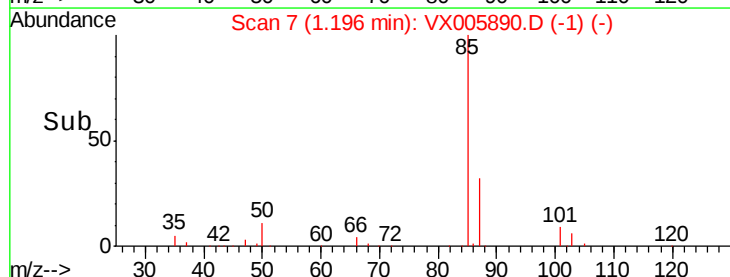
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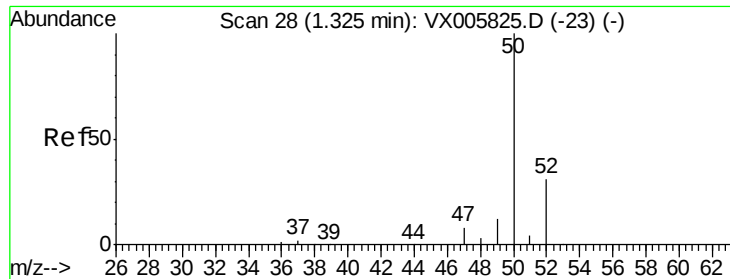
20000

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Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 43.320 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005890.D

Acq: 10 Nov 2018 04:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 71338

Ion Ratio Lower Upper

50 100

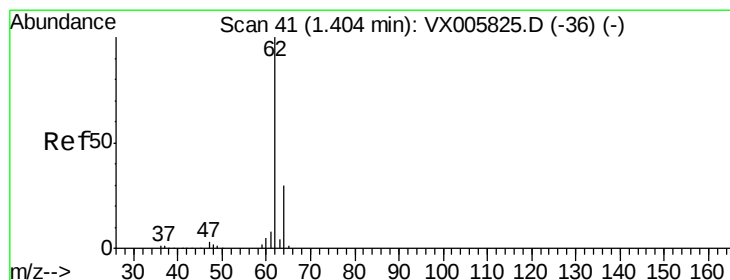
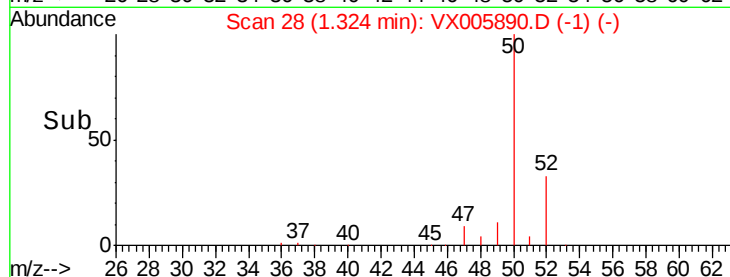
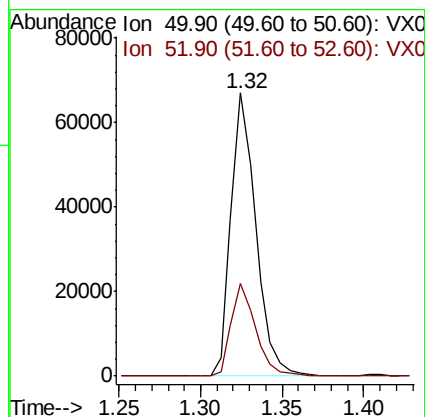
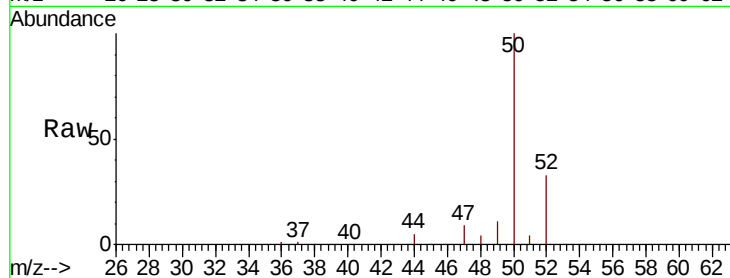
52 32.9 26.2 39.2

Manual Integrations

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11/12/2018 9:12:18 AM



#4

Vinyl Chloride

Concen: 44.465 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX005890.D

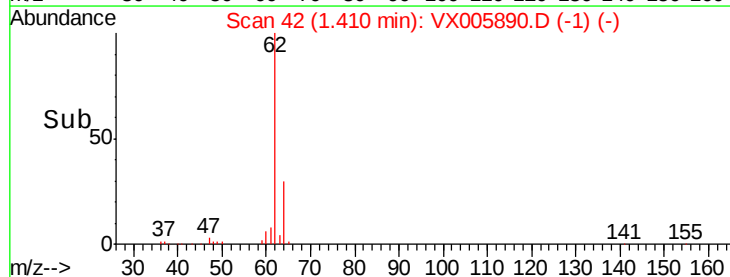
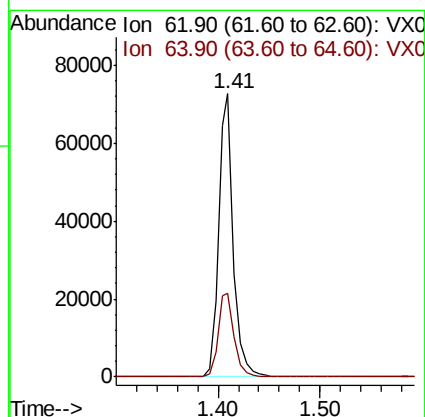
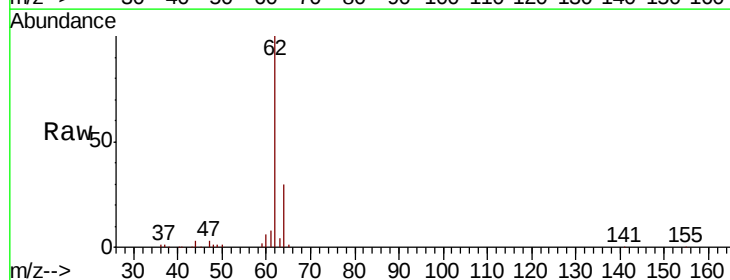
Acq: 10 Nov 2018 04:51

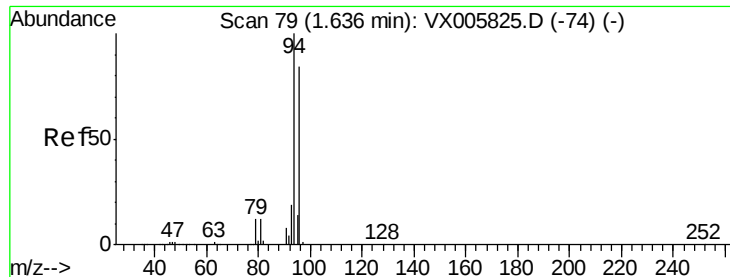
Tgt Ion: 62 Resp: 73509

Ion Ratio Lower Upper

62 100

64 29.7 25.3 37.9





#5

Bromomethane

Concen: 39.279 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX005890.D

Acq: 10 Nov 2018 04:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 39738

Ion Ratio Lower Upper

94 100

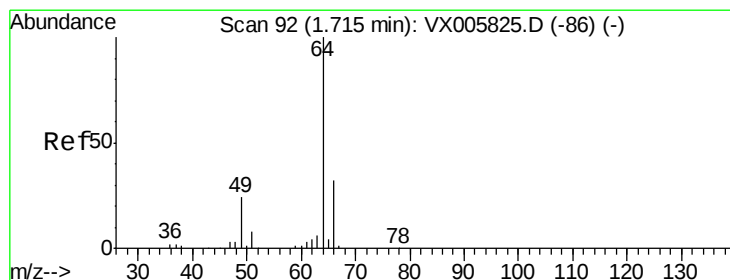
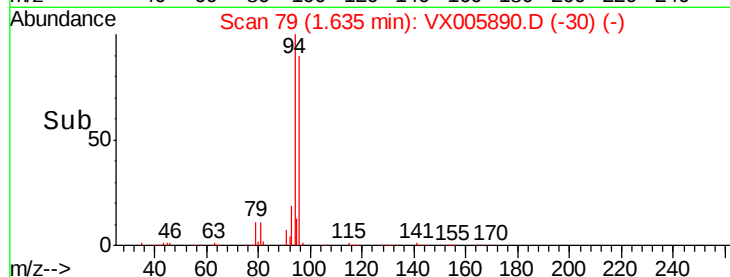
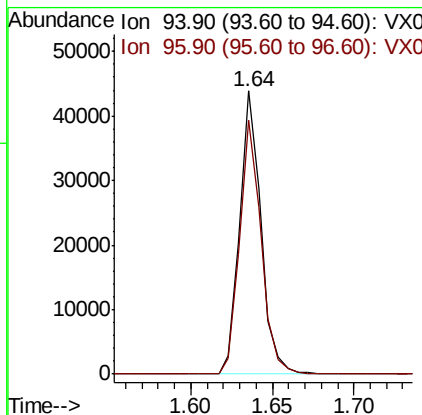
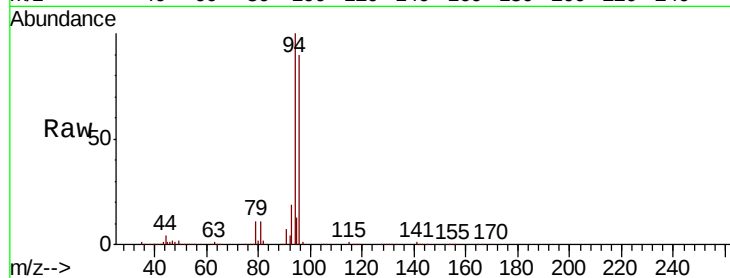
96 89.7 75.2 112.8

Manual Integrations

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#6

Chloroethane

Concen: 46.195 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX005890.D

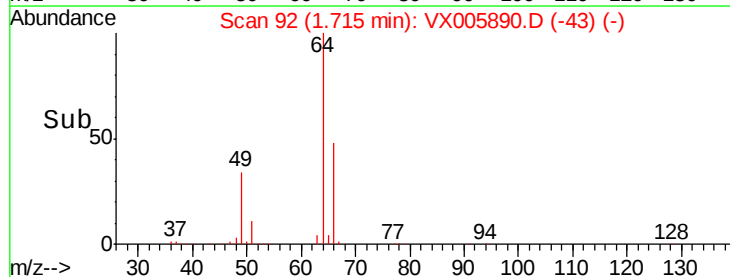
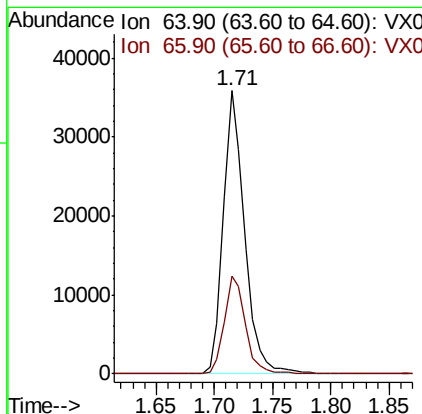
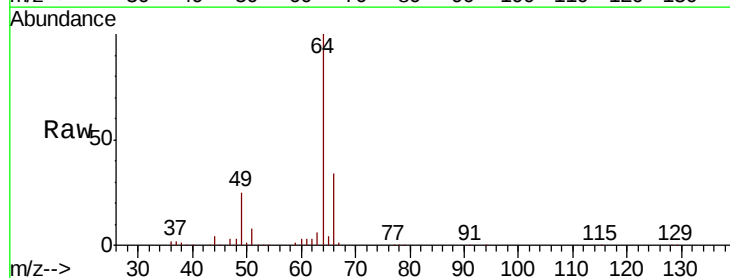
Acq: 10 Nov 2018 04:51

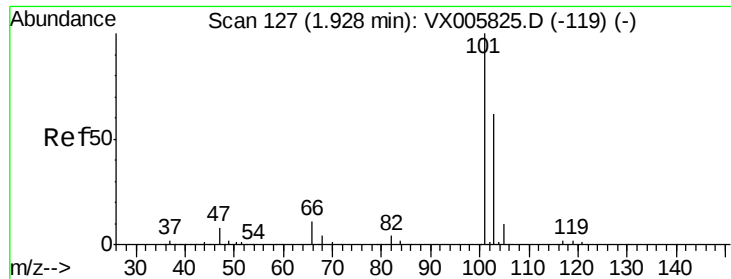
Tgt Ion: 64 Resp: 45567

Ion Ratio Lower Upper

64 100

66 34.4 25.8 38.6





#7

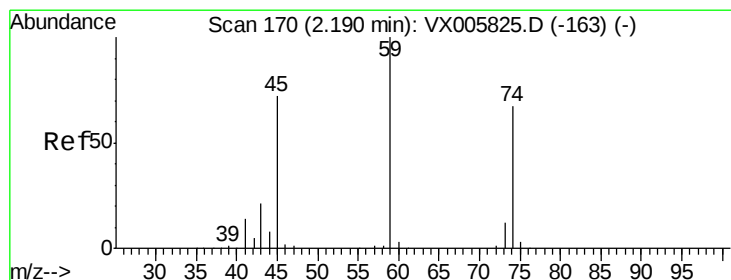
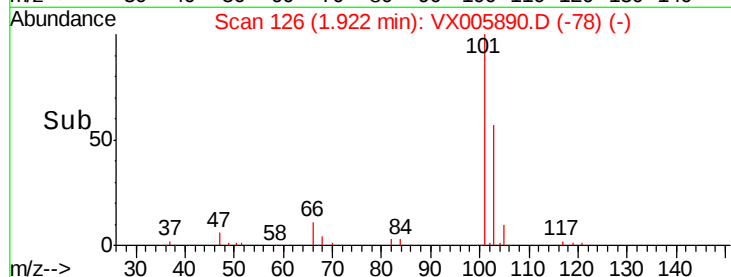
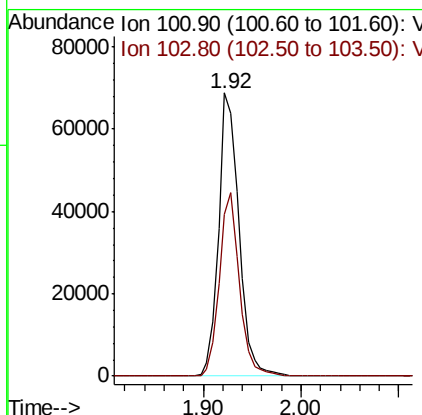
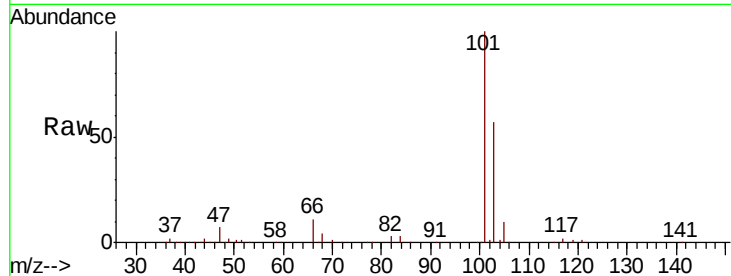
Trichlorofluoromethane
Concen: 45.406 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.01 min
Lab File: VX005890.D
Acq: 10 Nov 2018 04:51

Instrument :
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ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	57.0	50.0	75.0

Manual Integrations
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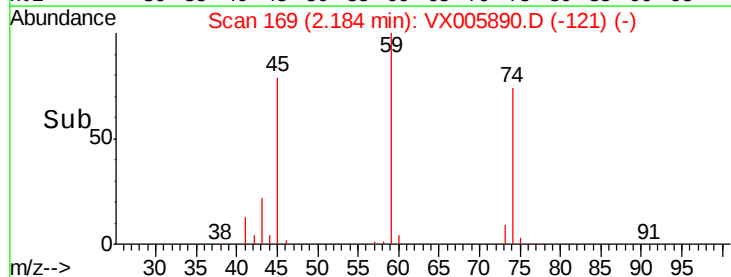
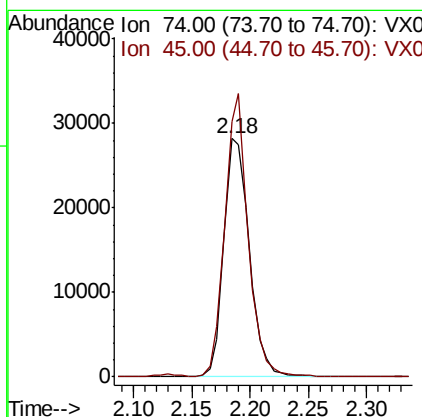
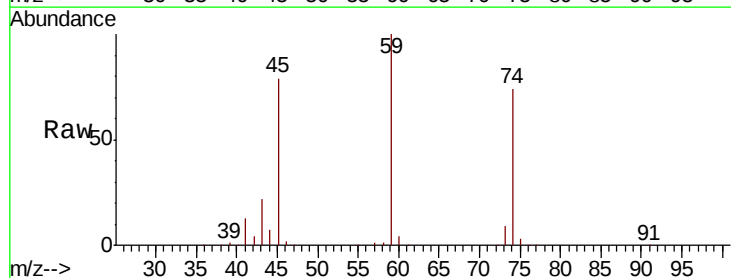
MMDadoda
11/12/2018 9:12:18 AM

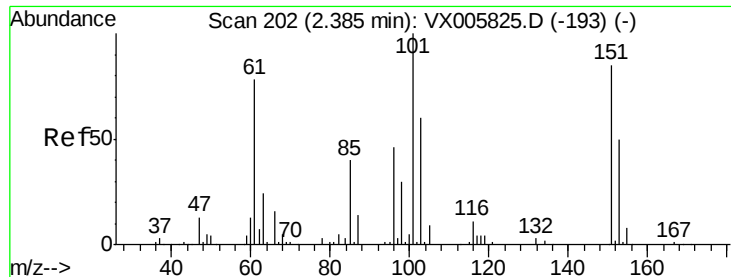


#8

Diethyl Ether
Concen: 50.071 ug/l
RT: 2.18 min Scan# 169
Delta R.T. -0.01 min
Lab File: VX005890.D
Acq: 10 Nov 2018 04:51

Tgt Ion	Ratio	Lower	Upper
74	100		
45	107.0	54.1	162.3





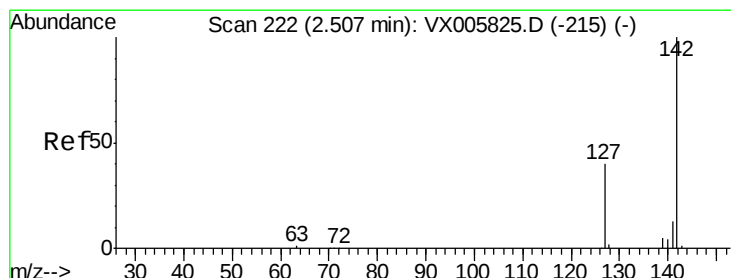
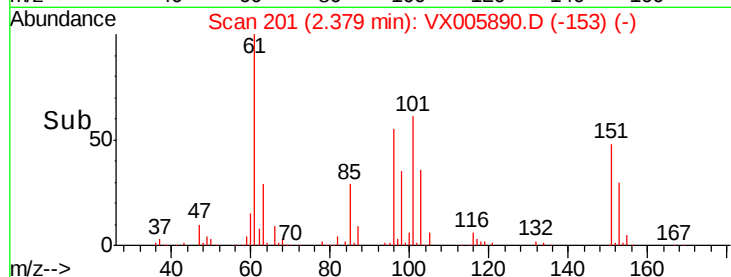
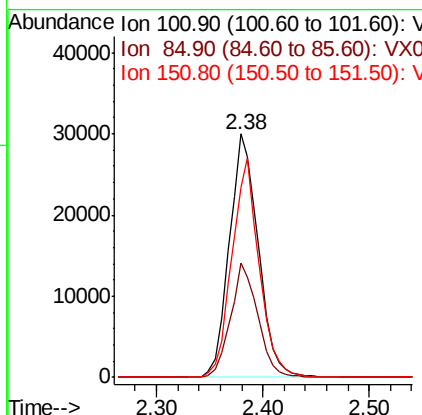
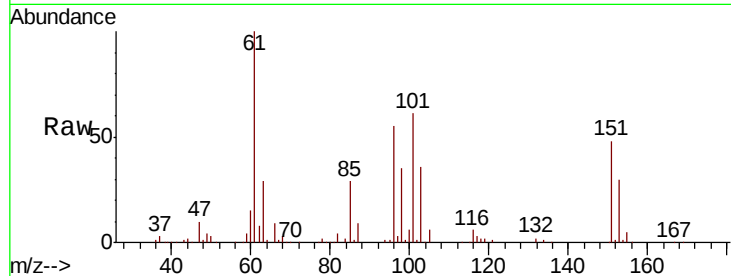
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 45.308 ug/l
 RT: 2.38 min Scan# 201
 Delta R.T. -0.01 min
 Lab File: VX005890.D
 Acq: 10 Nov 2018 04:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
85	44.2	35.0	52.4
151	85.2	66.2	99.2

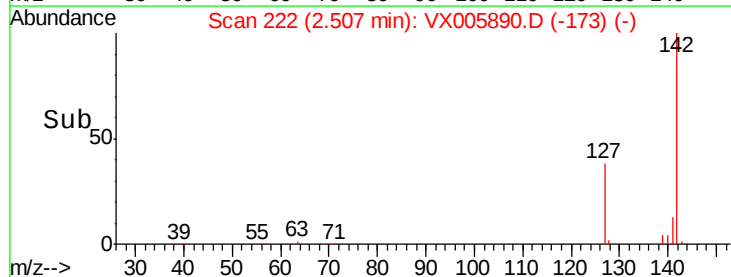
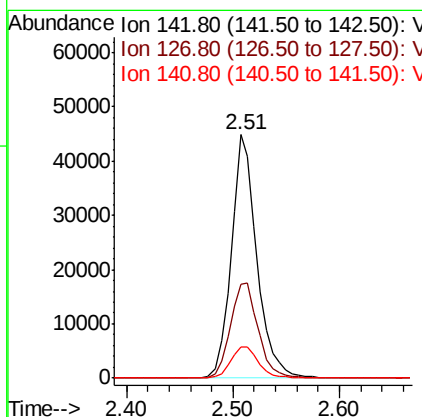
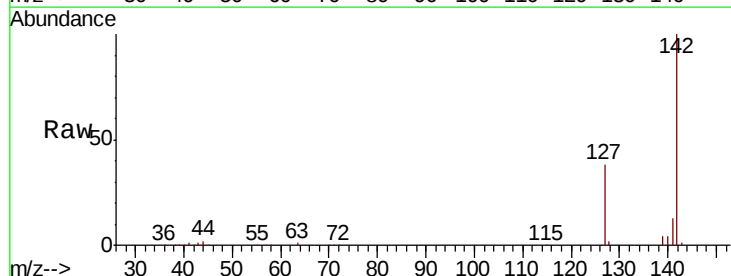
Manual Integrations
 APPROVED

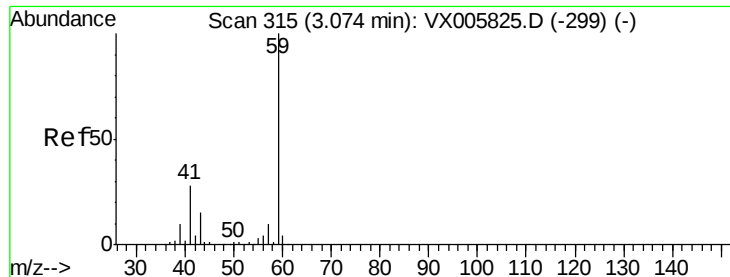
MMDadoda
 11/12/2018 9:12:18 AM



#10
 Methyl Iodide
 Concen: 49.127 ug/l
 RT: 2.51 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VX005890.D
 Acq: 10 Nov 2018 04:51

Tgt Ion	Ratio	Lower	Upper
142	100		
127	42.5	36.0	54.0
141	14.3	11.7	17.5





#11

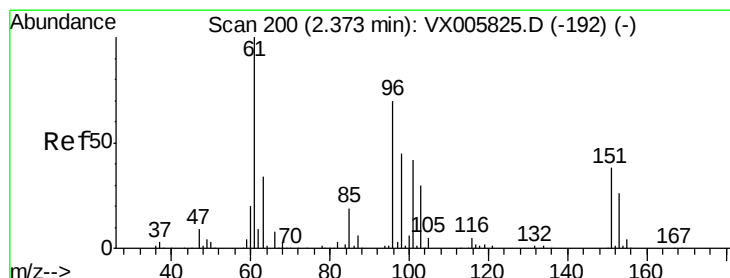
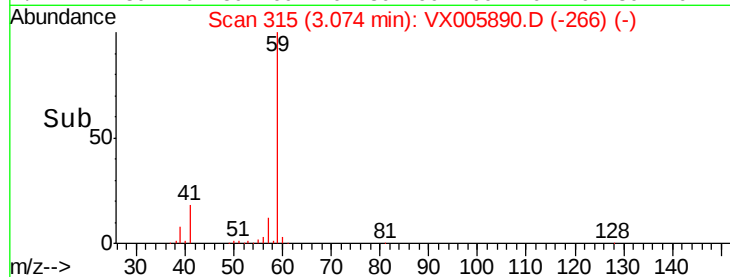
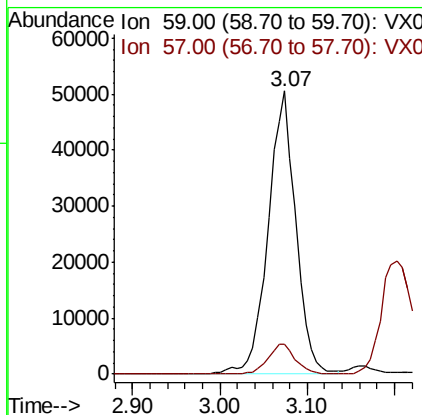
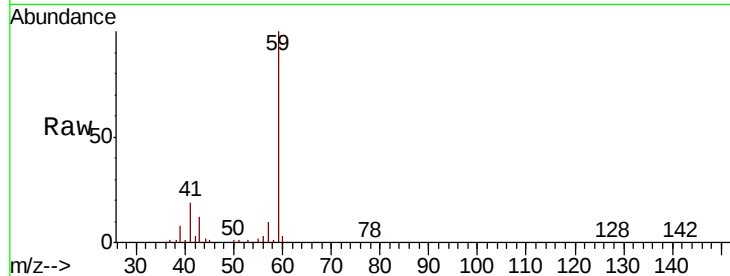
Tert butyl alcohol
Concen: 244.039 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.00 min
Lab File: VX005890.D
Acq: 10 Nov 2018 04:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 111852
Ion Ratio Lower Upper
59 100
57 10.4 8.5 12.7

Manual Integrations
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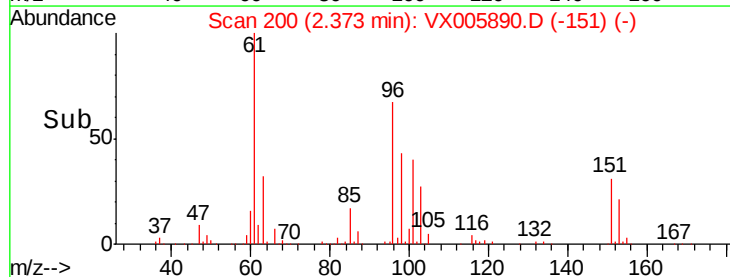
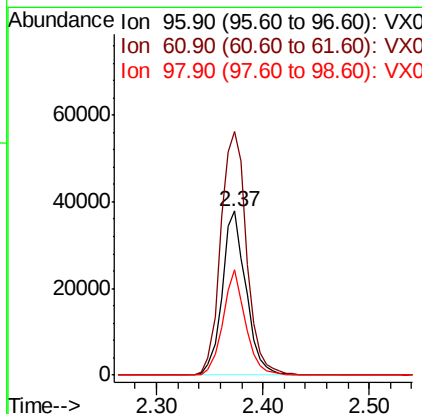
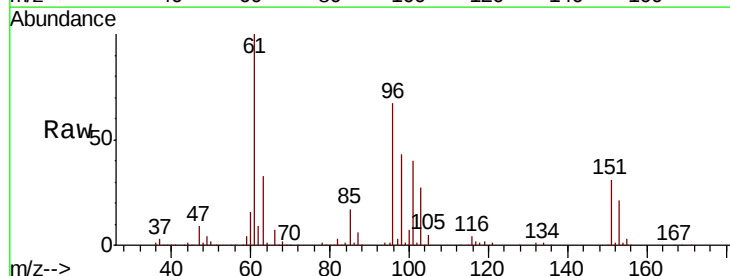
MMDadoda
11/12/2018 9:12:18 AM

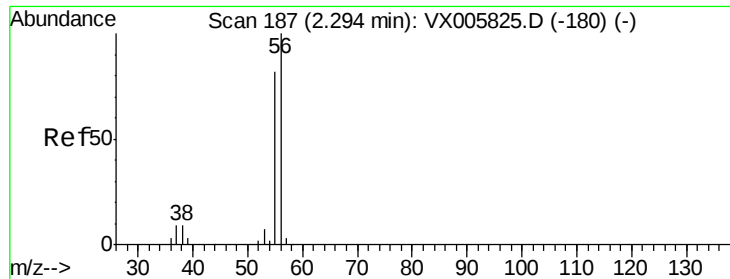


#12

1,1-Dichloroethene
Concen: 47.926 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX005890.D
Acq: 10 Nov 2018 04:51

Tgt Ion: 96 Resp: 58955
Ion Ratio Lower Upper
96 100
61 148.7 131.8 197.8
98 64.4 53.4 80.2





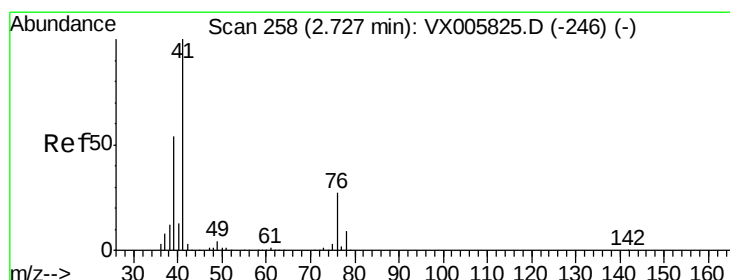
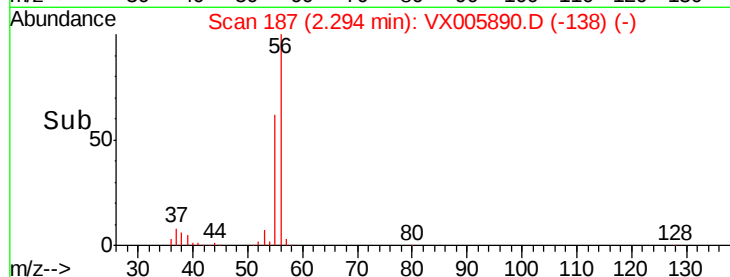
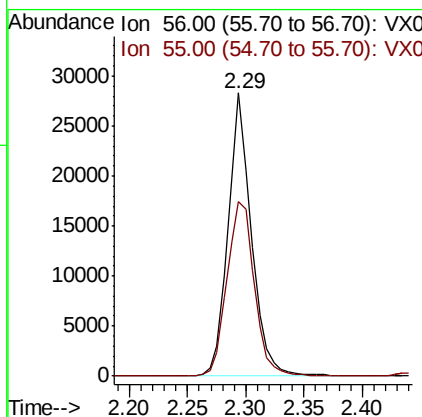
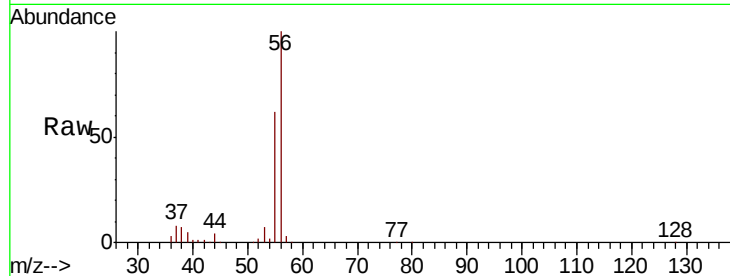
#13
Acrolein
Concen: 185.922 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX005890.D
Acq: 10 Nov 2018 04:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
55	72.9	57.3	85.9

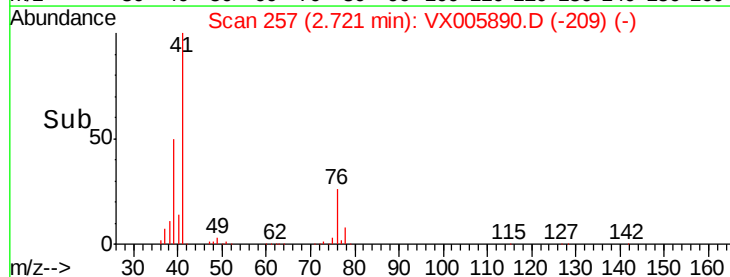
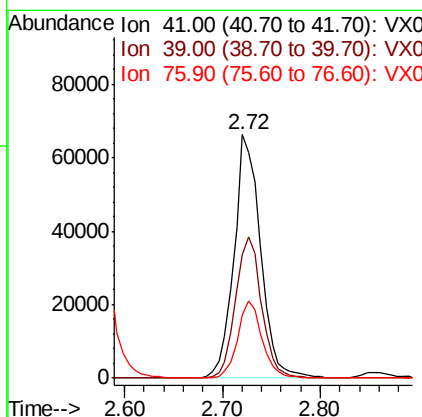
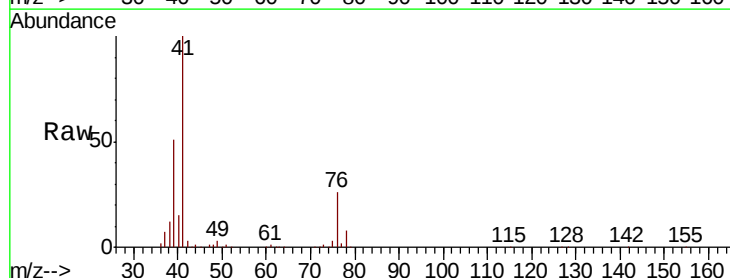
Manual Integrations
APPROVED

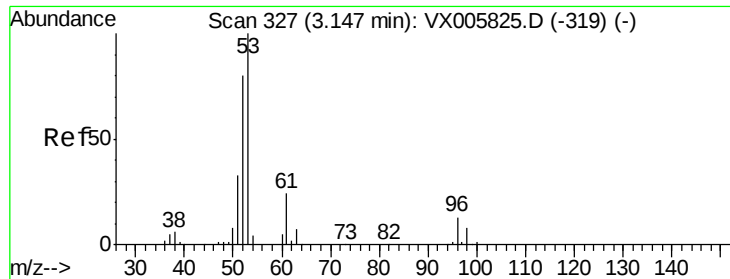
MMDadoda
11/12/2018 9:12:18 AM



#14
Allyl chloride
Concen: 45.713 ug/l
RT: 2.72 min Scan# 257
Delta R.T. -0.01 min
Lab File: VX005890.D
Acq: 10 Nov 2018 04:51

Tgt Ion	Ratio	Lower	Upper
41	100		
39	56.7	48.2	72.4
76	28.9	21.9	32.9





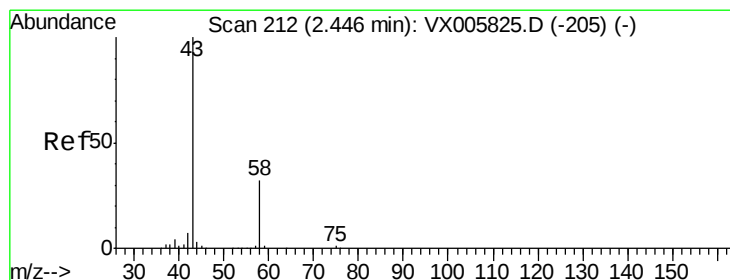
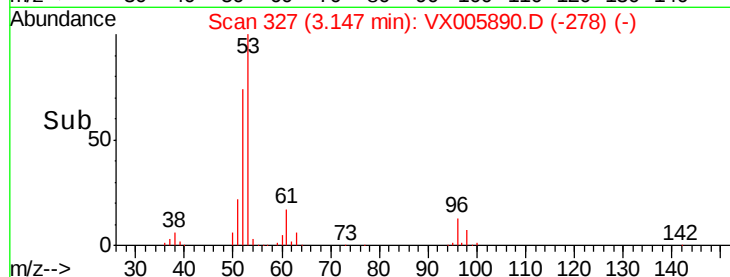
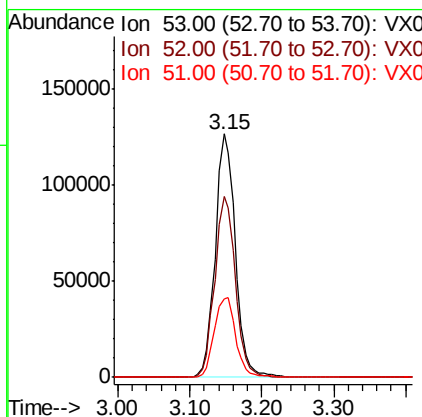
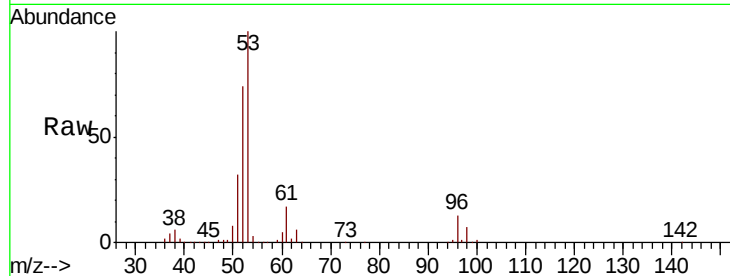
#15
 Acrylonitrile
 Concen: 256.357 ug/l
 RT: 3.15 min Scan# 327
 Delta R.T. -0.00 min
 Lab File: VX005890.D
 Acq: 10 Nov 2018 04:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
53	100		
52	76.8	66.6	99.8
51	35.6	28.4	42.6

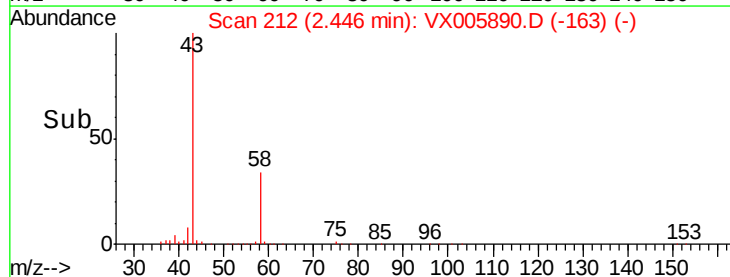
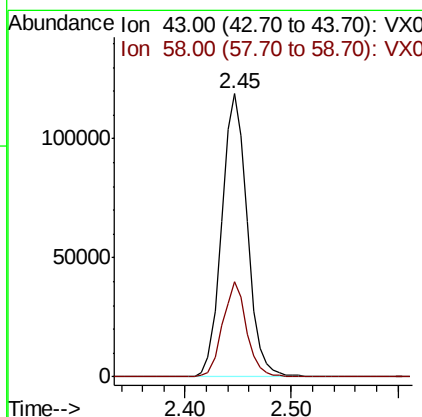
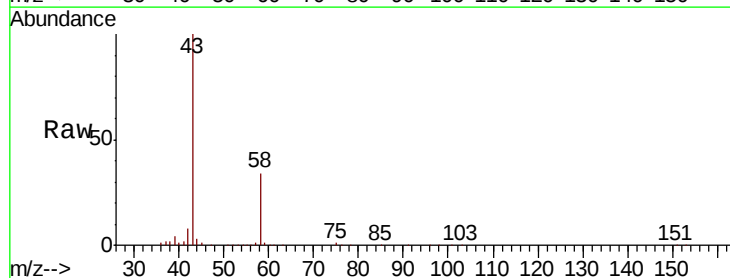
Manual Integrations
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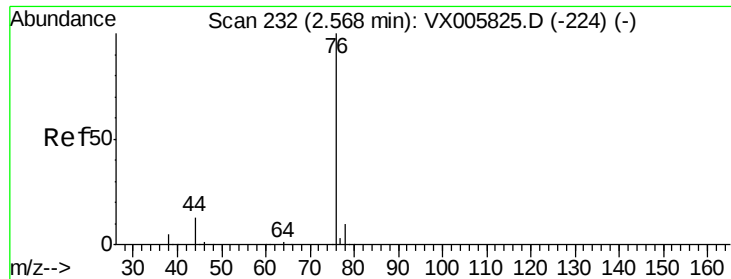
MMDadoda
 11/12/2018 9:12:18 AM



#16
 Acetone
 Concen: 230.575 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VX005890.D
 Acq: 10 Nov 2018 04:51

Tgt Ion	Ratio	Lower	Upper
43	100		
58	33.8	23.8	35.6





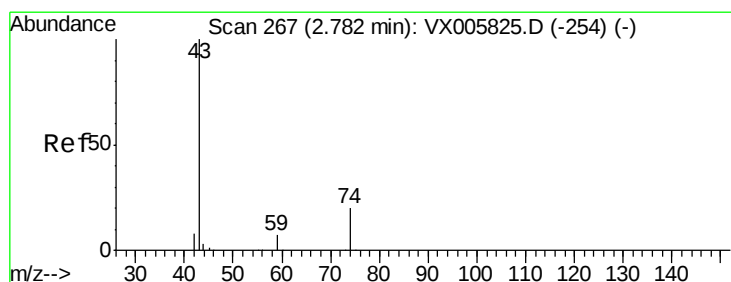
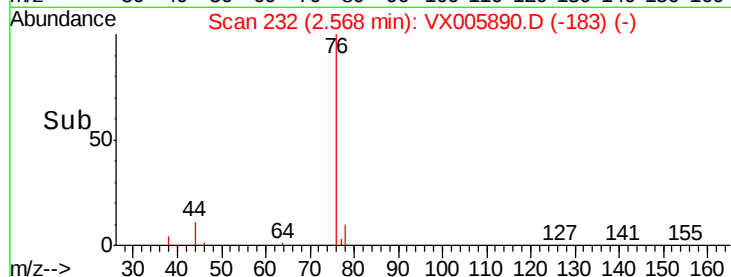
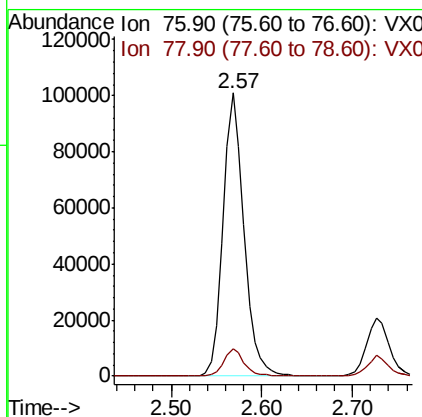
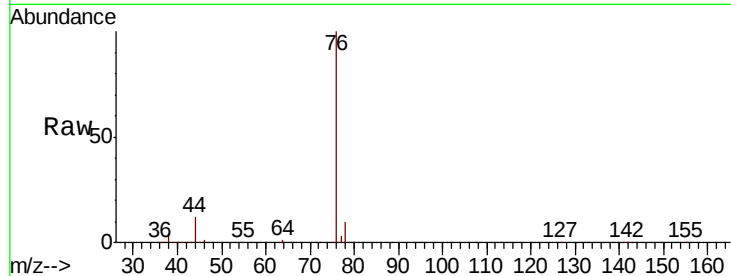
#17
Carbon Disulfide
Concen: 44.171 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX005890.D
Acq: 10 Nov 2018 04:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 162073
Ion Ratio Lower Upper
76 100
78 9.8 7.3 10.9

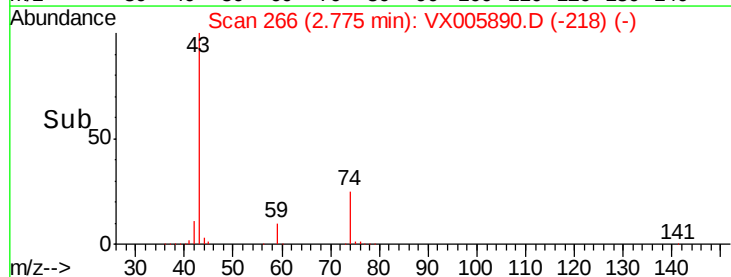
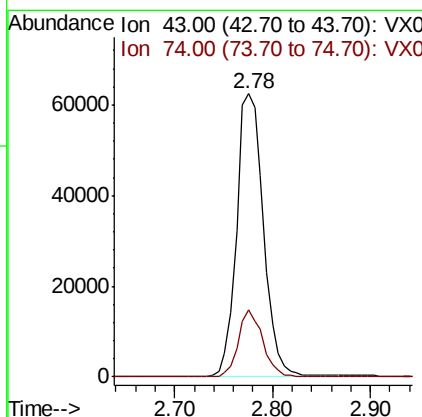
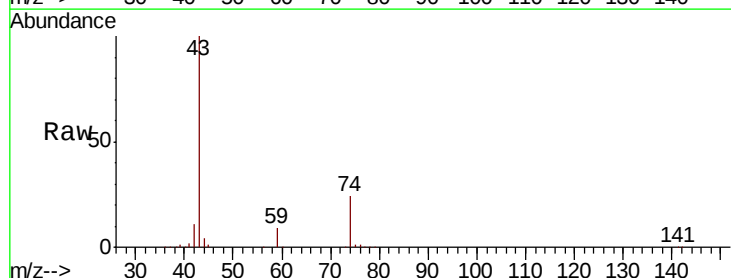
Manual Integrations
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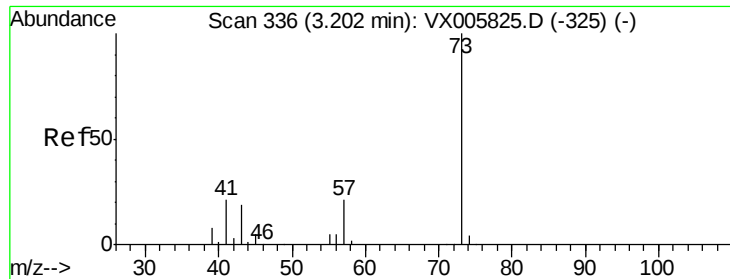
MMDadoda
11/12/2018 9:12:18 AM



#18
Methyl Acetate
Concen: 51.474 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX005890.D
Acq: 10 Nov 2018 04:51

Tgt Ion: 43 Resp: 118733
Ion Ratio Lower Upper
43 100
74 21.2 16.8 25.2





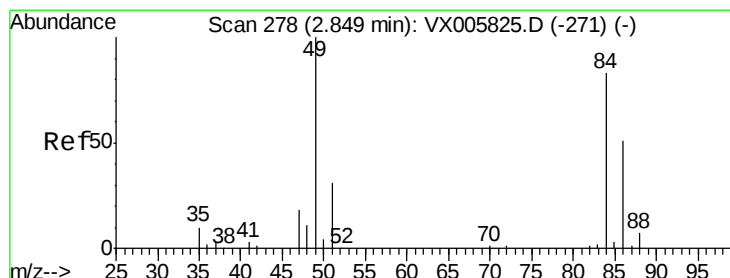
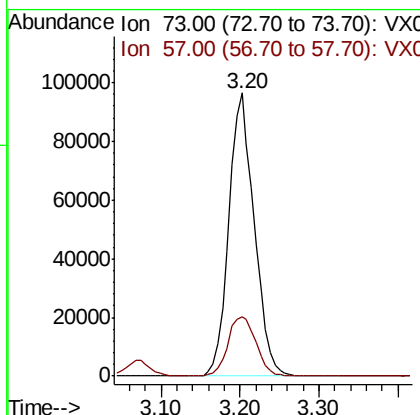
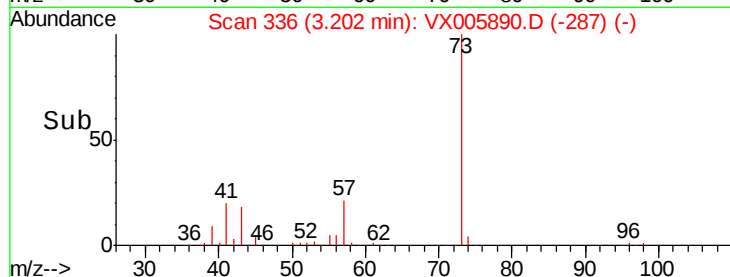
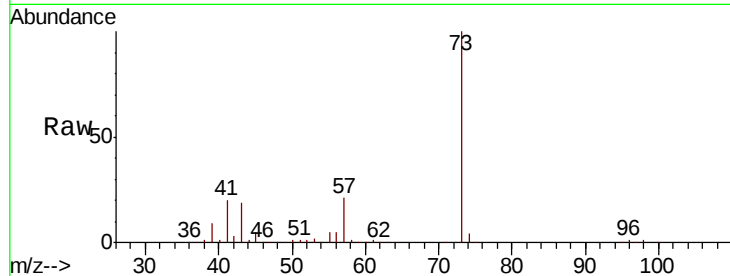
#19
Methvl tert-butvl Ether
Concen: 51.459 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX005890.D
Acq: 10 Nov 2018 04:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 216054
Ion Ratio Lower Upper
73 100
57 21.0 18.8 28.2

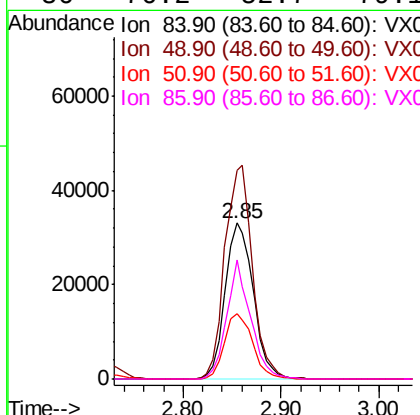
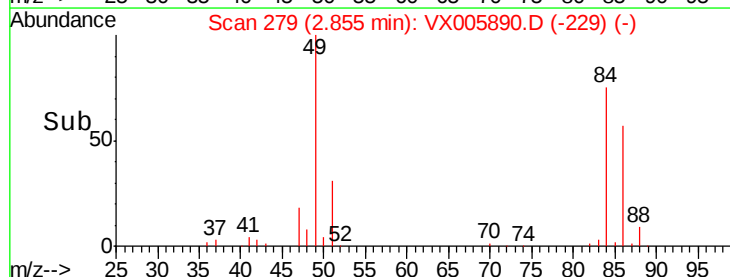
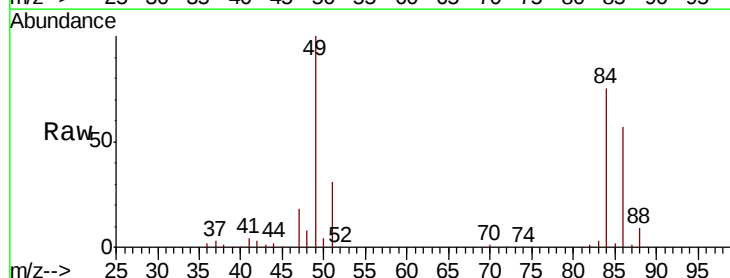
Manual Integrations
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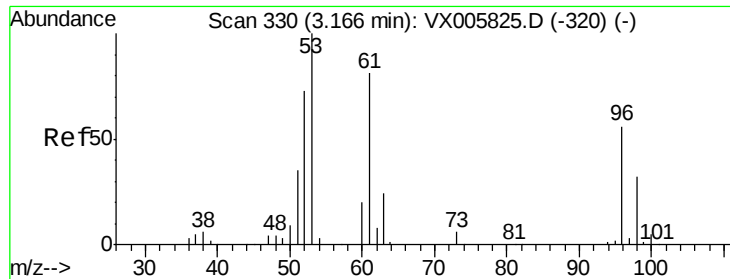
MMDadoda
11/12/2018 9:12:18 AM



#20
Methylene Chloride
Concen: 46.605 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.01 min
Lab File: VX005890.D
Acq: 10 Nov 2018 04:51

Tgt Ion: 84 Resp: 65950
Ion Ratio Lower Upper
84 100
49 134.1 109.5 164.3
51 42.2 33.3 49.9
86 76.2 52.7 79.1





#21

trans-1,2-Dichloroethene

Concen: 49.591 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX005890.D

Acq: 10 Nov 2018 04:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 64343

Ion Ratio Lower Upper

96 100

61 120.8 115.6 173.4

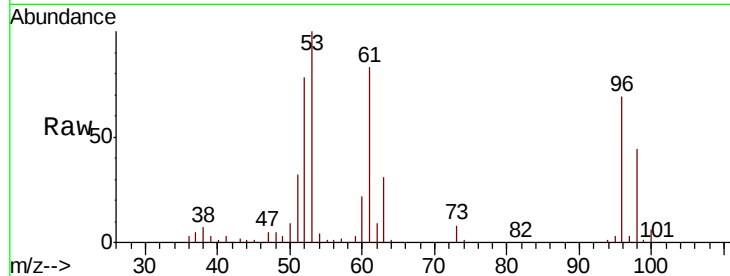
98 64.0 50.2 75.2

Manual Integrations

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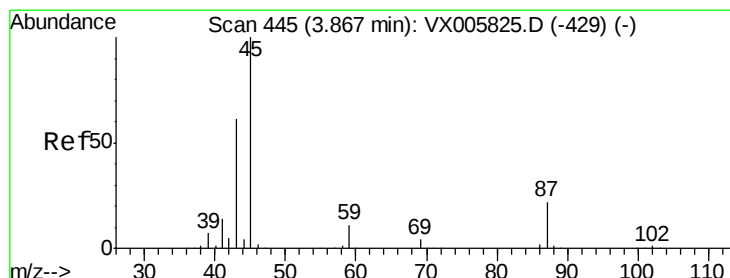
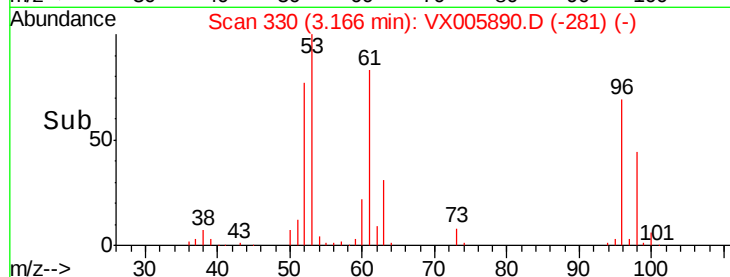
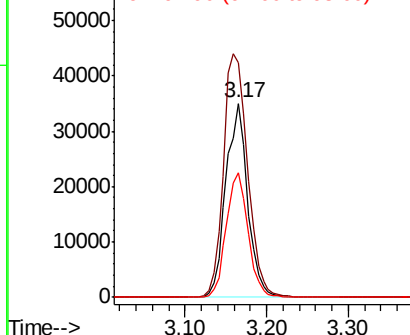


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 48.671 ug/l

RT: 3.86 min Scan# 444

Delta R.T. -0.01 min

Lab File: VX005890.D

Acq: 10 Nov 2018 04:51

Tgt Ion: 45 Resp: 234246

Ion Ratio Lower Upper

45 100

43 67.6 47.4 71.2

87 24.1 15.9 23.9#

59 11.4 7.7 11.5

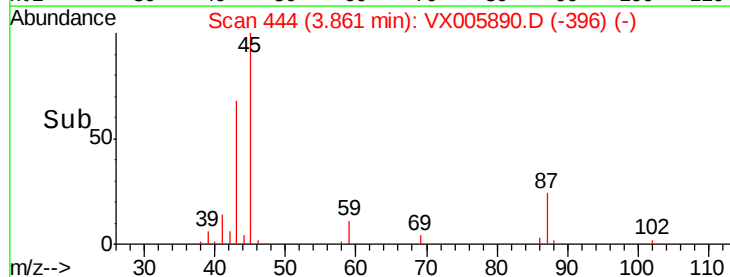
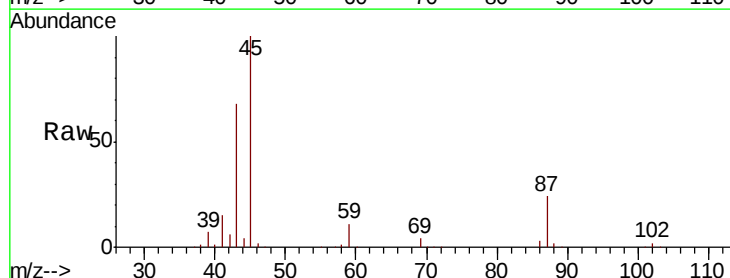
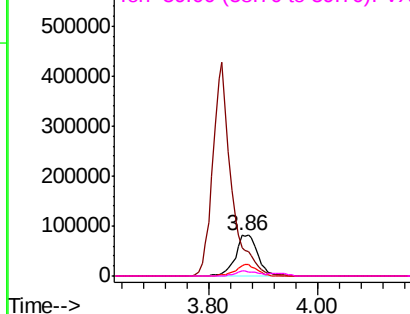
Abundance

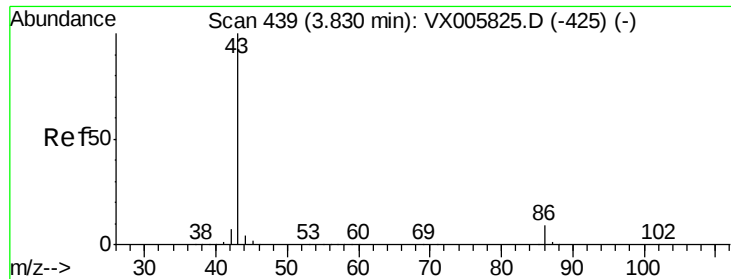
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 244.410 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.01 min

Lab File: VX005890.D

Acq: 10 Nov 2018 04:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1008579

Ion Ratio Lower Upper

43 100

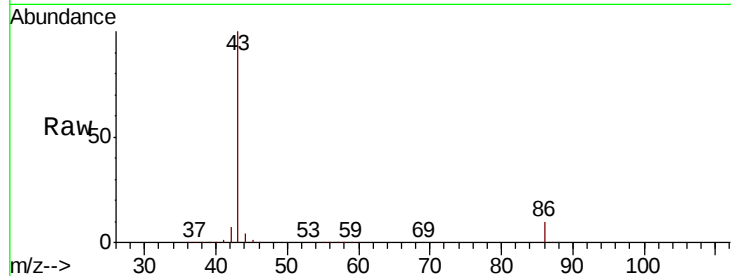
86 9.5 7.4 11.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX005825.D (-425) (-)

Ion 86.00 (85.70 to 86.70): VX005825.D (-425) (-)

3.82

400000

300000

200000

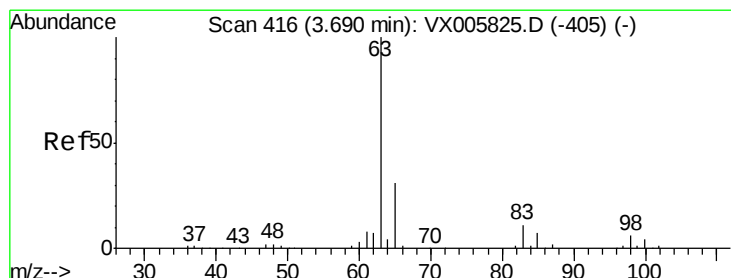
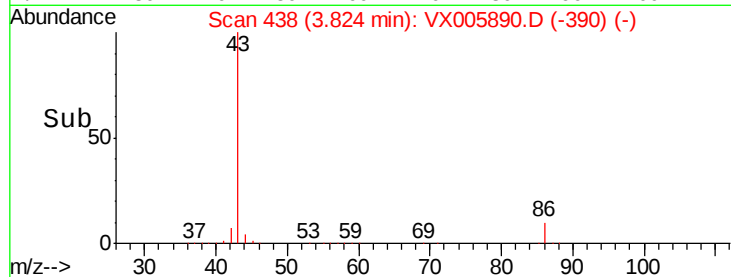
100000

0

3.80

4.00

Time-->



#24

1,1-Dichloroethane

Concen: 48.184 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.00 min

Lab File: VX005890.D

Acq: 10 Nov 2018 04:51

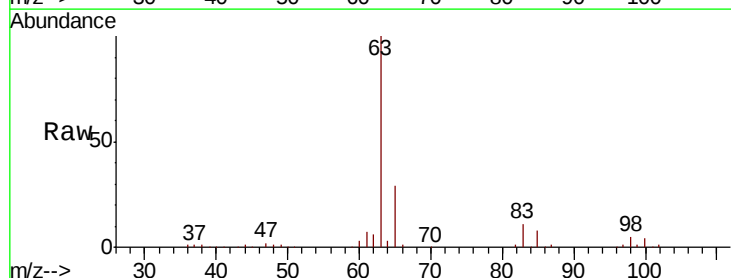
Tgt Ion: 63 Resp: 123724

Ion Ratio Lower Upper

63 100

98 5.4 3.2 9.6

100 3.6 2.1 6.2



Abundance Ion 62.90 (62.60 to 63.60): VX005825.D (-405) (-)

Ion 97.90 (97.60 to 98.60): VX005825.D (-405) (-)

Ion 99.90 (99.60 to 100.60): VX005825.D (-405) (-)

3.69

60000

40000

20000

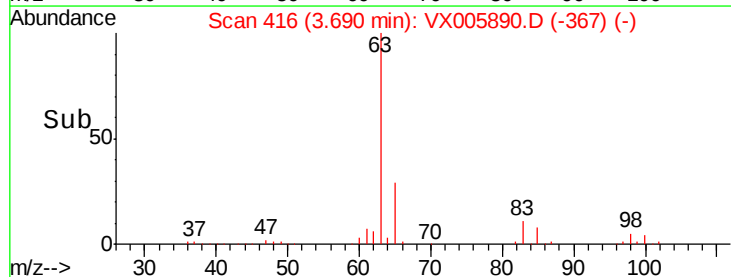
0

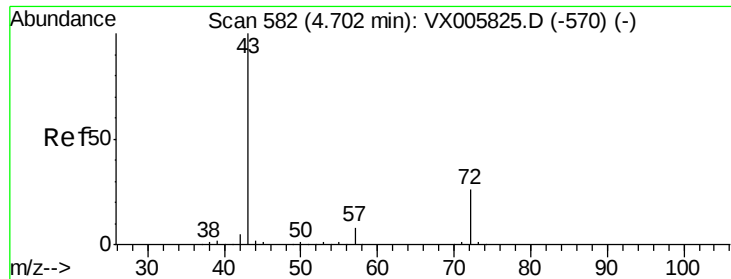
3.60

3.70

3.80

Time-->





#25

2-Butanone

Concen: 240.413 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX005890.D

Acq: 10 Nov 2018 04:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 325606

Ion Ratio Lower Upper

43 100

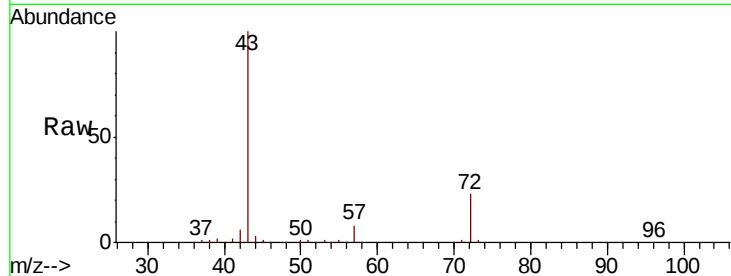
72 23.3 19.2 28.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

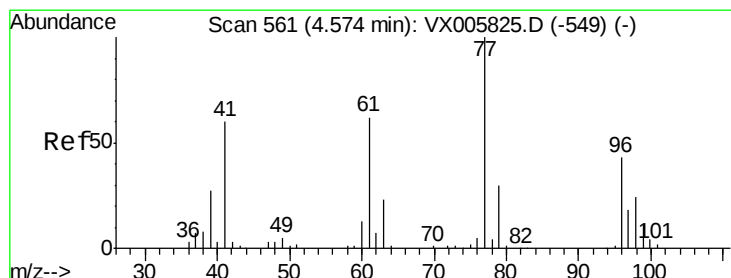
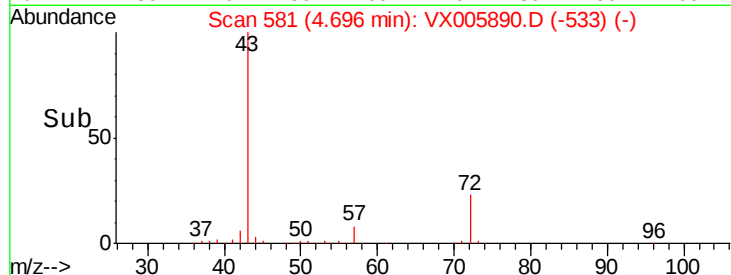
4.70

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 37.000 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX005890.D

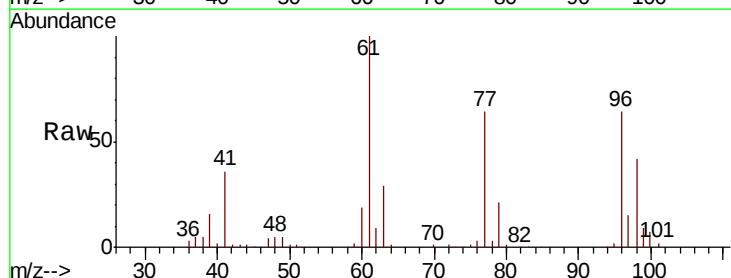
Acq: 10 Nov 2018 04:51

Tgt Ion: 77 Resp: 69692

Ion Ratio Lower Upper

77 100

97 24.4 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.59

25000

20000

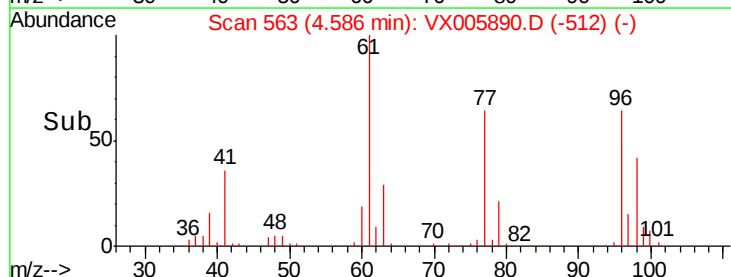
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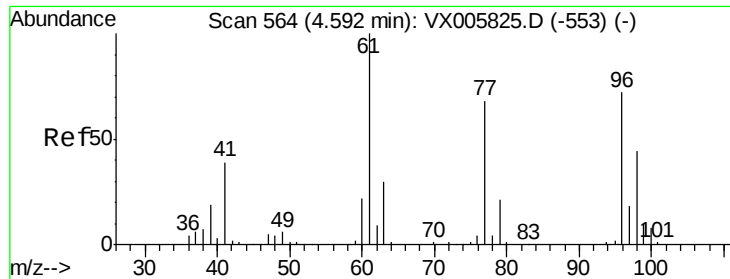
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5000

0

Time-->





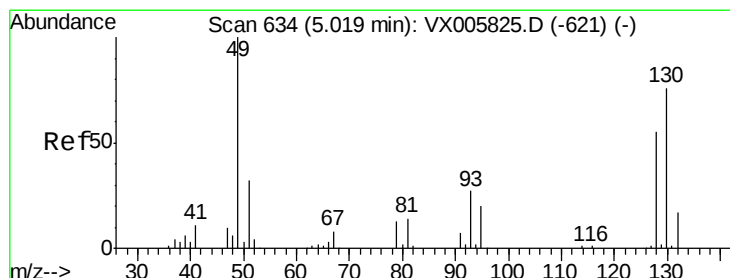
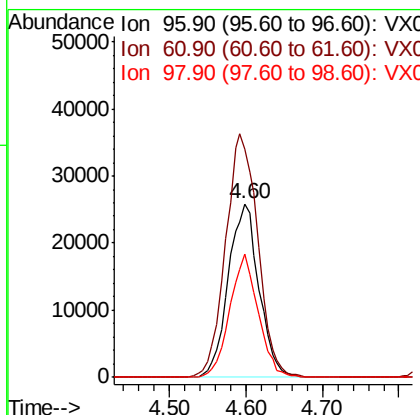
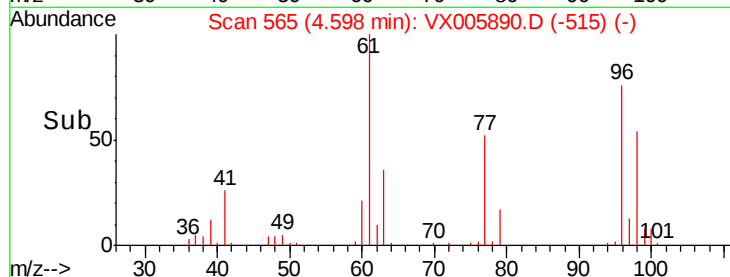
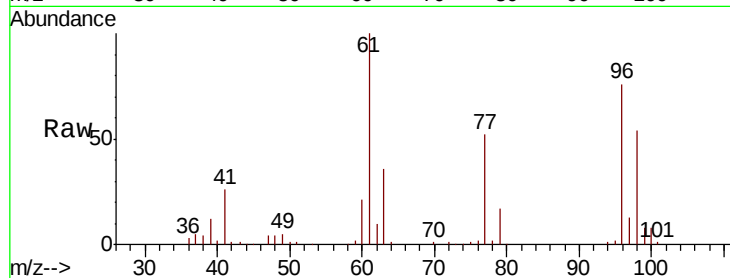
#27
 cis-1,2-Dichloroethene
 Concen: 49.919 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.01 min
 Lab File: VX005890.D
 Acq: 10 Nov 2018 04:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.8	0.0	304.6
98	65.8	0.0	127.4

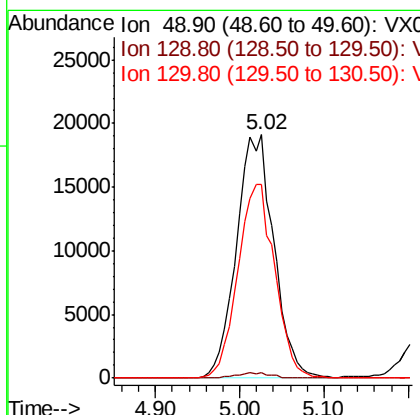
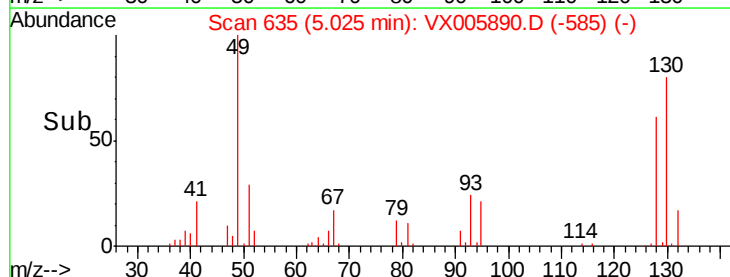
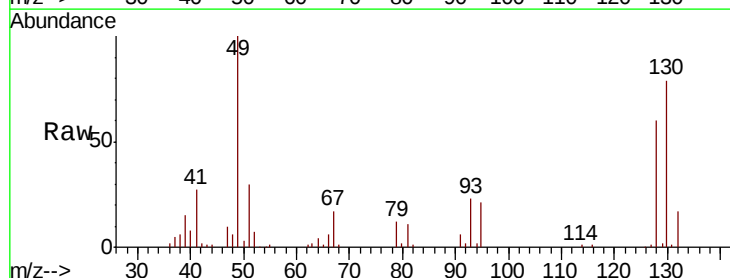
Manual Integrations
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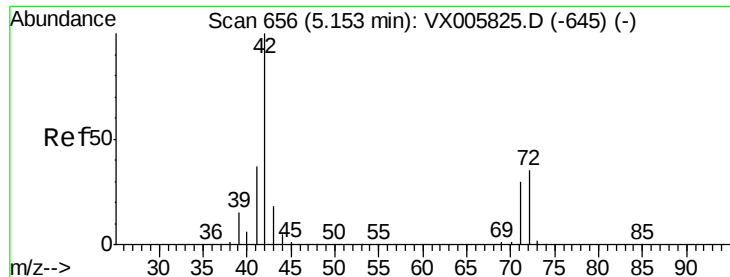
MMDadoda
 11/12/2018 9:12:18 AM



#28
 Bromochloromethane
 Concen: 50.212 ug/l
 RT: 5.02 min Scan# 635
 Delta R.T. 0.01 min
 Lab File: VX005890.D
 Acq: 10 Nov 2018 04:51

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	78.3	58.9	88.3





#29

Tetrahydrofuran

Concen: 257.882 ug/l

RT: 5.15 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX005890.D

Acq: 10 Nov 2018 04:51

Instrument :

MSVOA_X

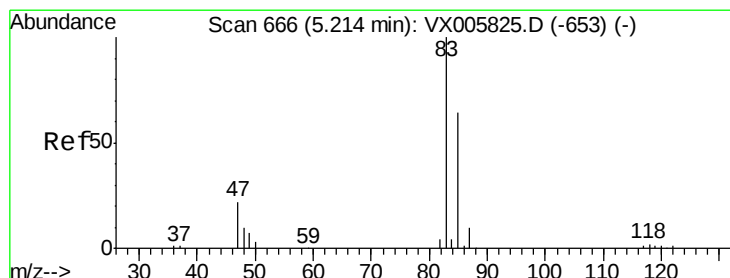
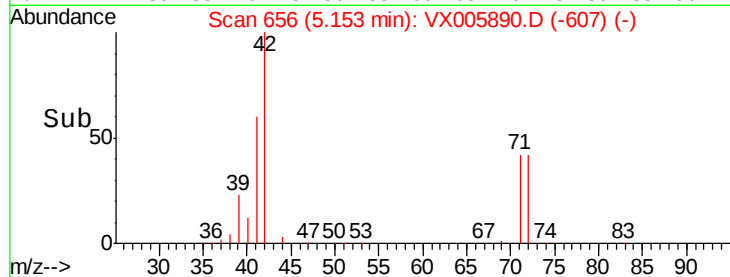
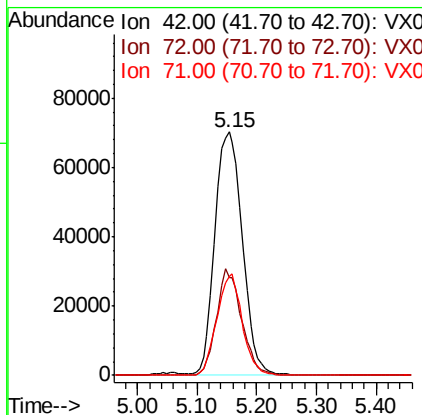
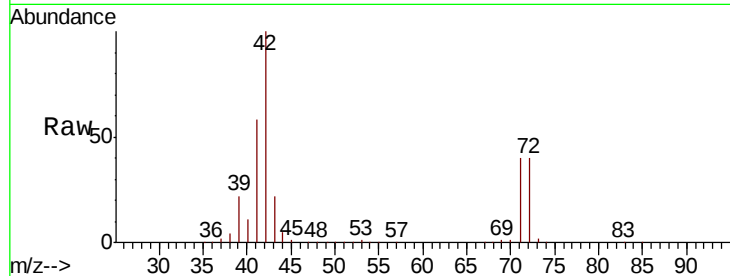
ClientSampleId :

VSTDCCC050EC

Tot Ion:	42	Resp:	224255
Ion	Ratio	Lower	Upper
42	100		
72	40.0	32.0	48.0
71	38.4	29.8	44.8

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#30

Chloroform

Concen: 46.662 ug/l

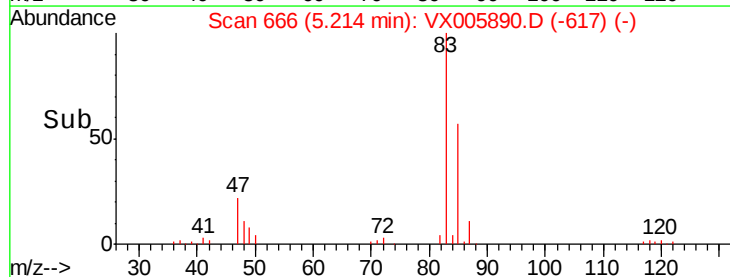
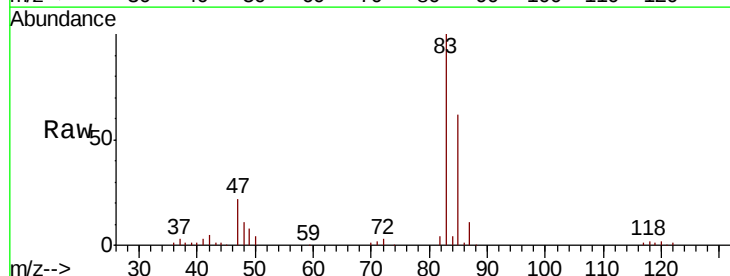
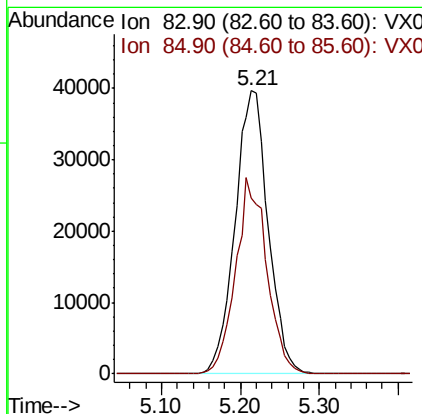
RT: 5.21 min Scan# 666

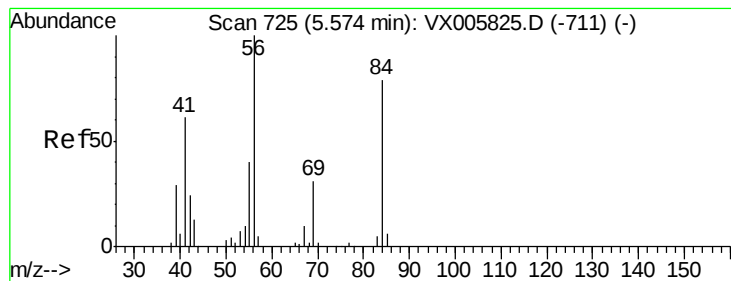
Delta R.T. -0.00 min

Lab File: VX005890.D

Acq: 10 Nov 2018 04:51

Tgt Ion:	83	Resp:	115596
Ion	Ratio	Lower	Upper
83	100		
85	62.3	50.6	76.0





#31

Cyclohexane

Concen: 54.097 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.00 min

Lab File: VX005890.D

Acq: 10 Nov 2018 04:51

Instrument :

MSVOA_X

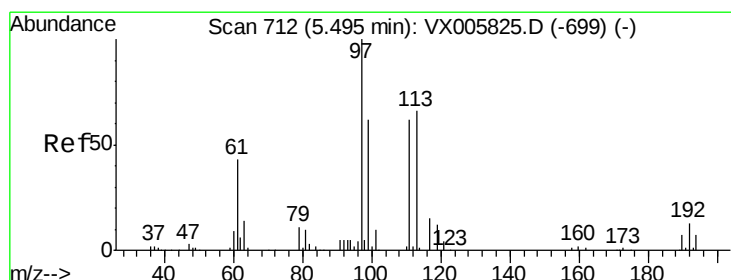
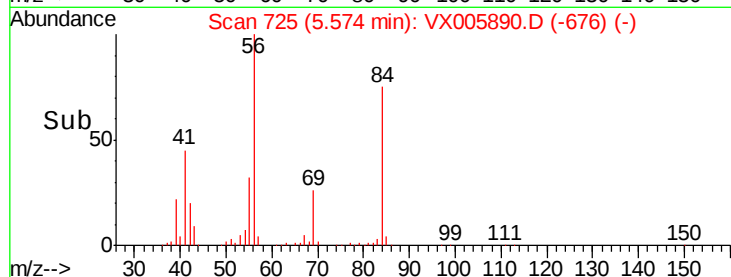
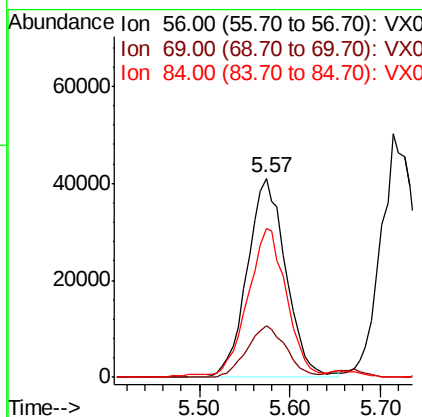
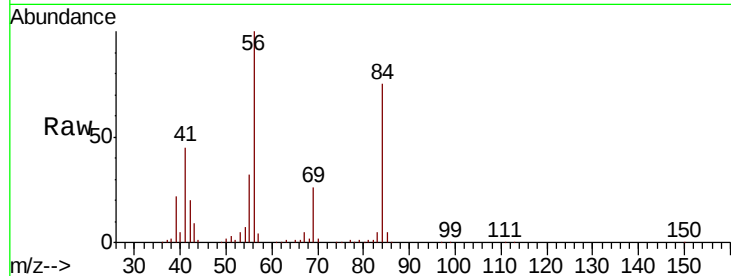
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	120577
Ion Ratio	Lower	Upper	
56	100		
69	25.6	22.6	34.0
84	73.4	62.7	94.1

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#32

1,1,1-Trichloroethane

Concen: 48.527 ug/l

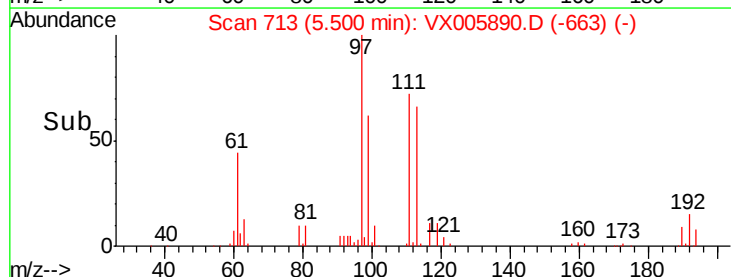
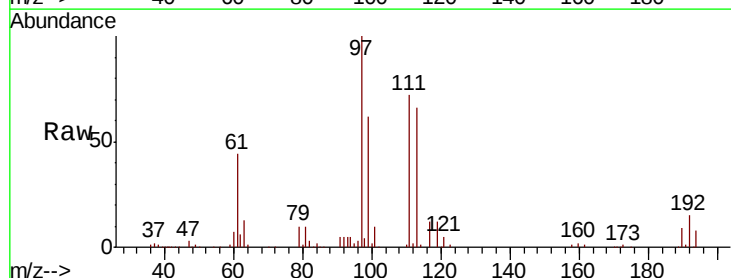
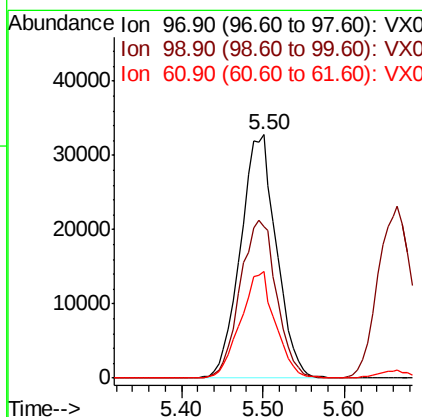
RT: 5.50 min Scan# 713

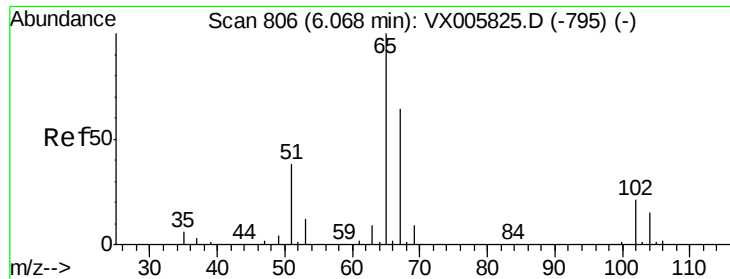
Delta R.T. 0.01 min

Lab File: VX005890.D

Acq: 10 Nov 2018 04:51

Tgt Ion:	97	Resp:	100272
Ion Ratio	Lower	Upper	
97	100		
99	65.9	52.3	78.5
61	42.5	35.2	52.8





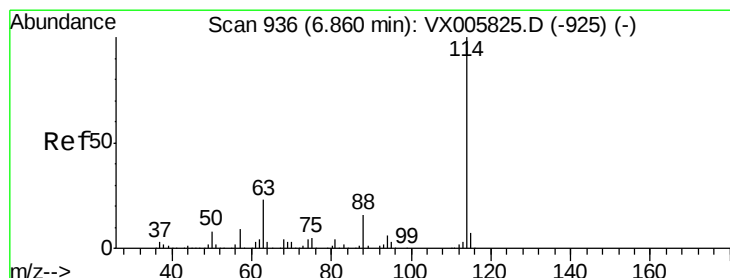
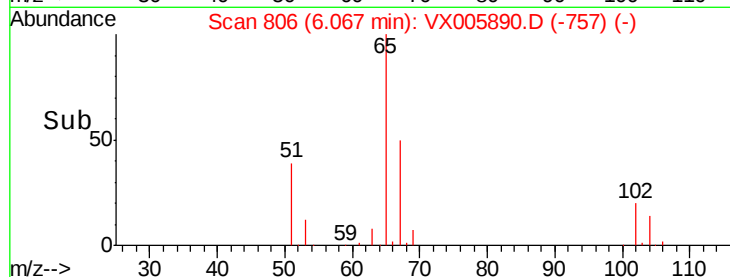
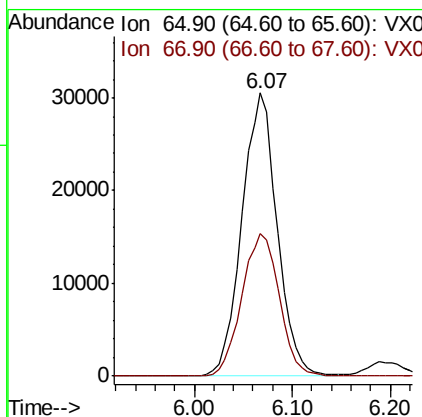
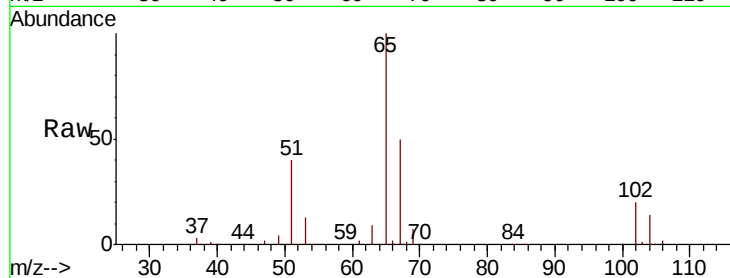
#33
 1,2-Dichloroethane-d4
 Concen: 47.700 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX005890.D
 Acq: 10 Nov 2018 04:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.7	0.0	105.0

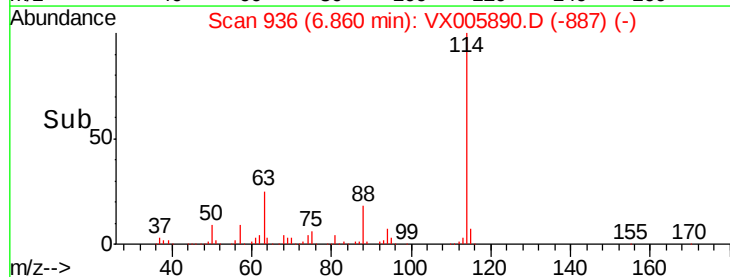
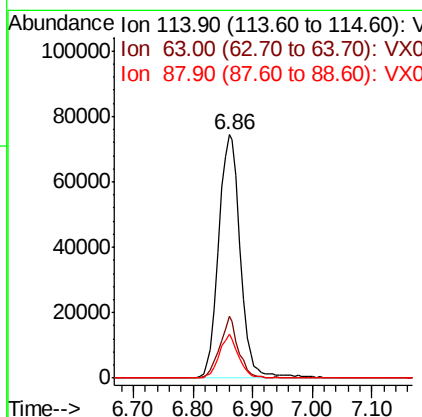
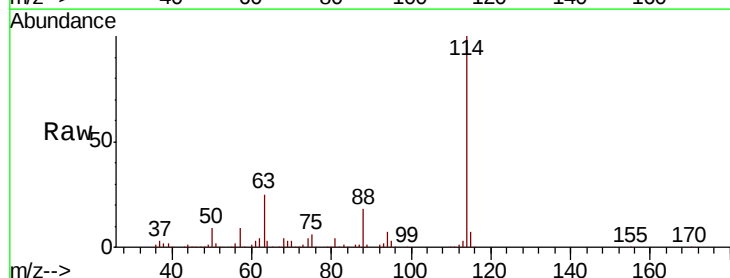
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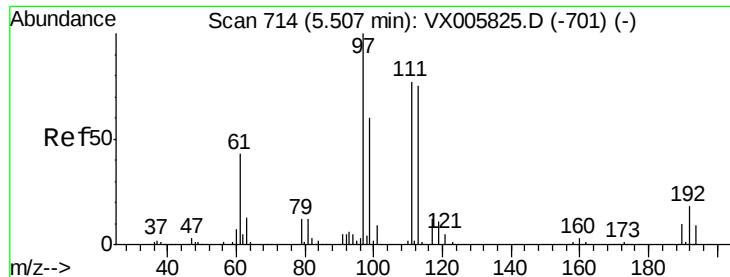
MMDadoda
 11/12/2018 9:12:18 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX005890.D
 Acq: 10 Nov 2018 04:51

Tgt Ion	Ratio	Lower	Upper
114	100		
63	25.3	0.0	42.8
88	17.8	0.0	31.2





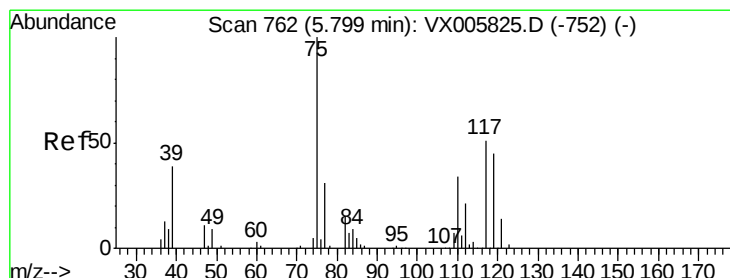
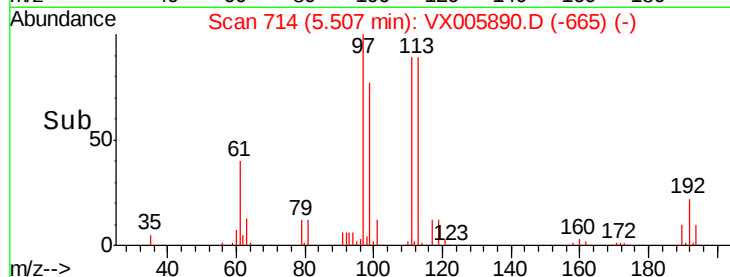
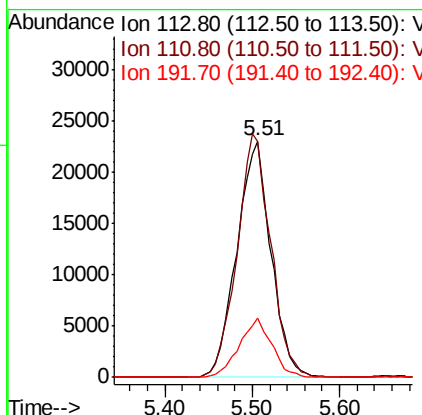
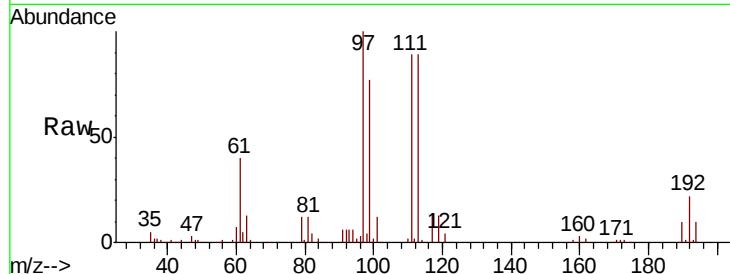
#35
Dibromofluoromethane
Concen: 48.513 ug/l
RT: 5.51 min Scan# 714
Delta R.T. -0.00 min
Lab File: VX005890.D
Acq: 10 Nov 2018 04:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	82.3	123.5
192	23.8	17.9	26.9

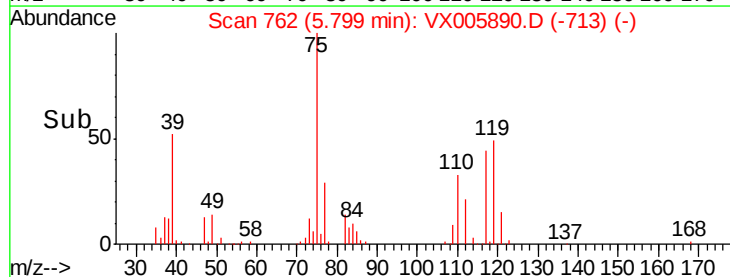
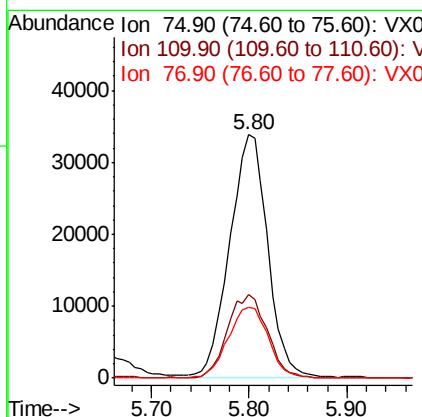
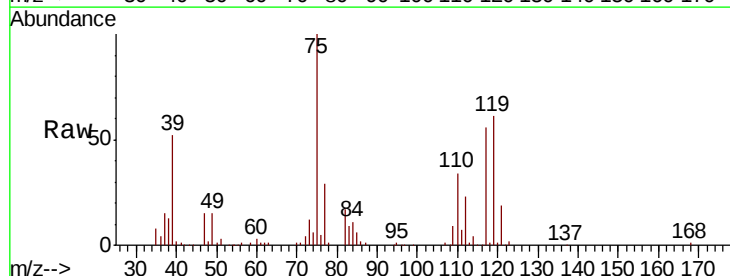
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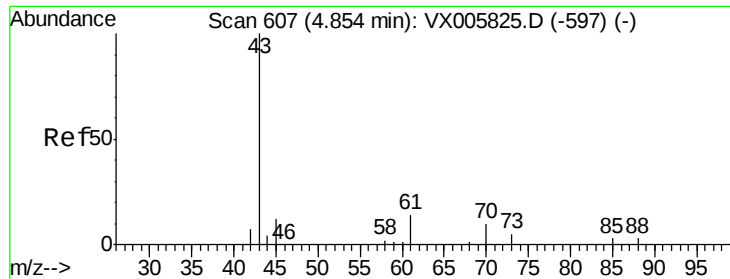
MMDadoda
11/12/2018 9:12:18 AM



#36
1,1-Dichloropropene
Concen: 49.775 ug/l
RT: 5.80 min Scan# 762
Delta R.T. -0.00 min
Lab File: VX005890.D
Acq: 10 Nov 2018 04:51

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.3	17.4	52.2
77	30.7	25.8	38.6





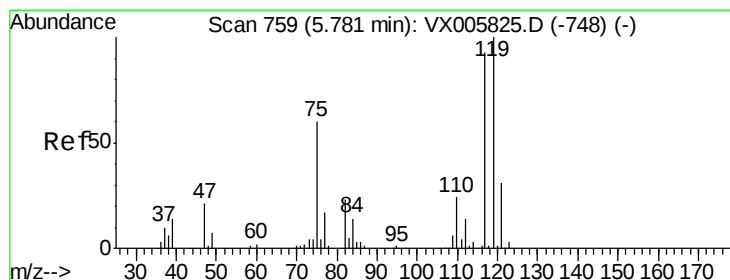
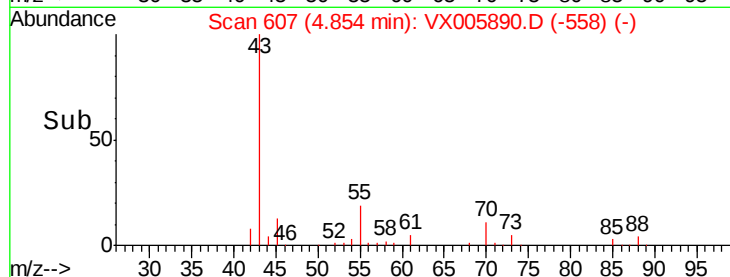
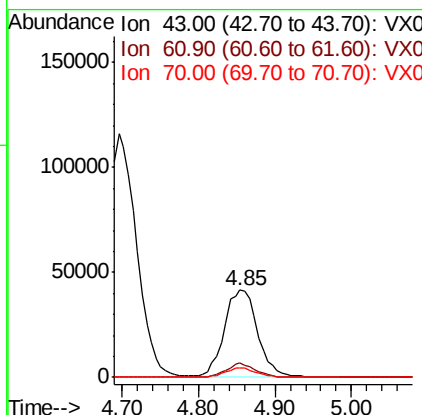
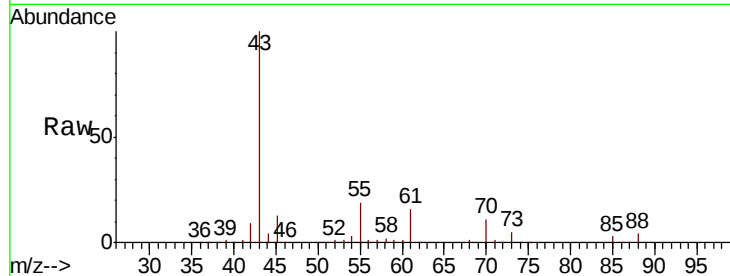
#37
Ethyl Acetate
Concen: 52.220 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX005890.D
Acq: 10 Nov 2018 04:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	10.8	16.2
70	10.2	7.8	11.8

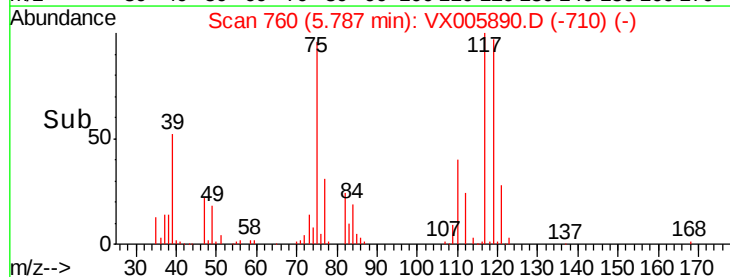
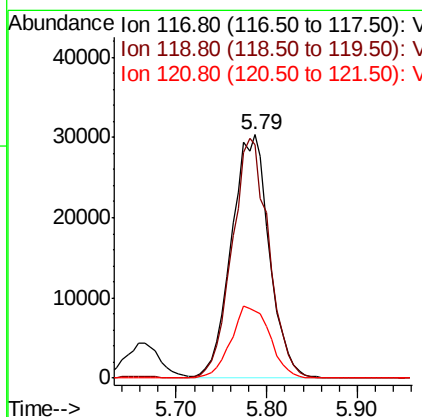
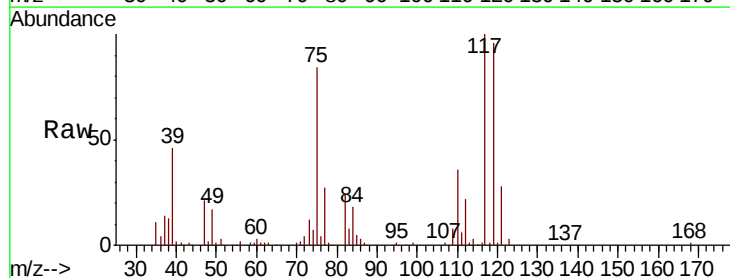
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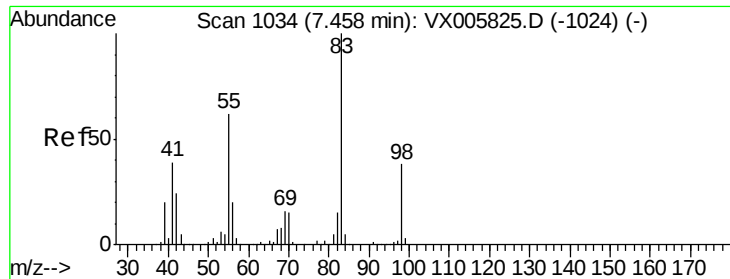
MMDadoda
11/12/2018 9:12:18 AM



#38
Carbon Tetrachloride
Concen: 48.245 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX005890.D
Acq: 10 Nov 2018 04:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	78.1	117.1
121	27.7	24.6	36.8





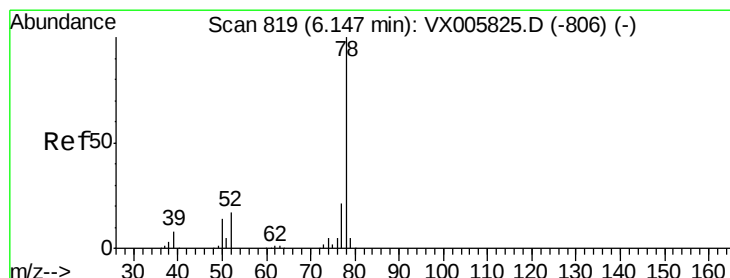
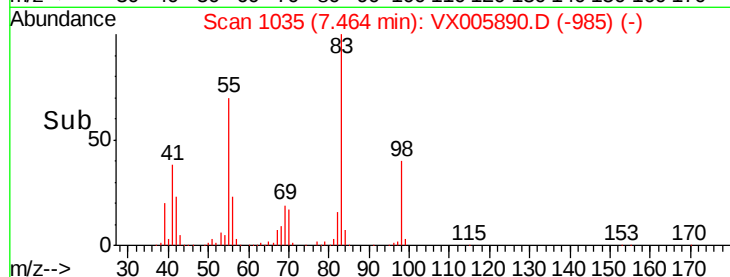
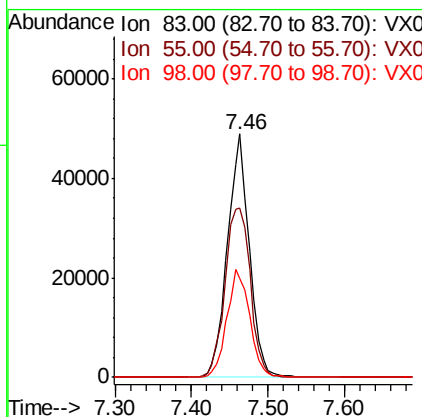
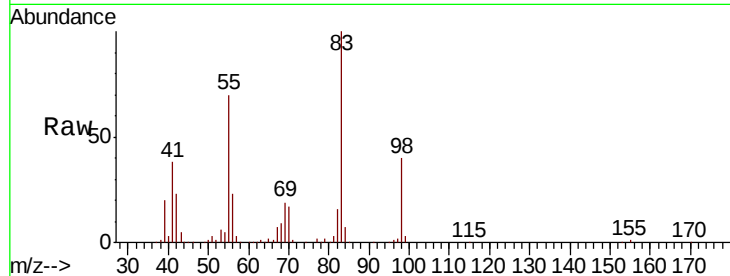
#39
Methvlcvclohexane
Concen: 52.586 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX005890.D
Acq: 10 Nov 2018 04:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.5	63.7	95.5
98	40.5	36.2	54.2

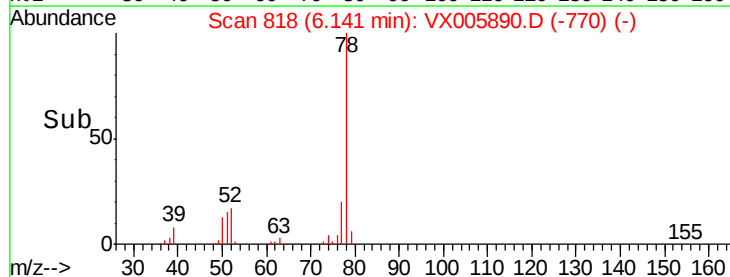
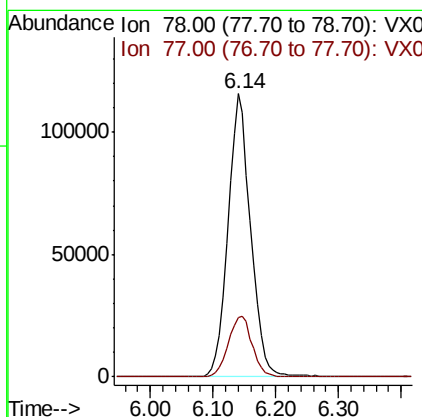
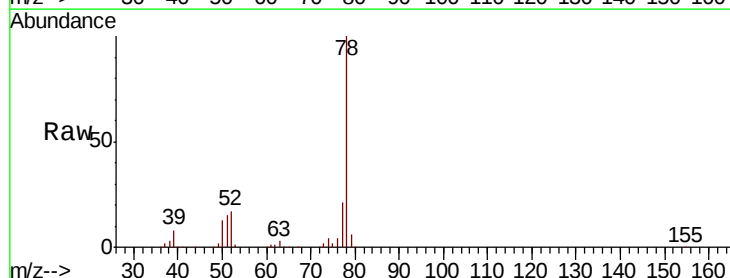
Manual Integrations
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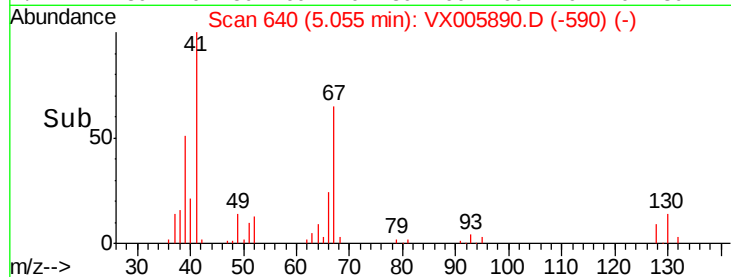
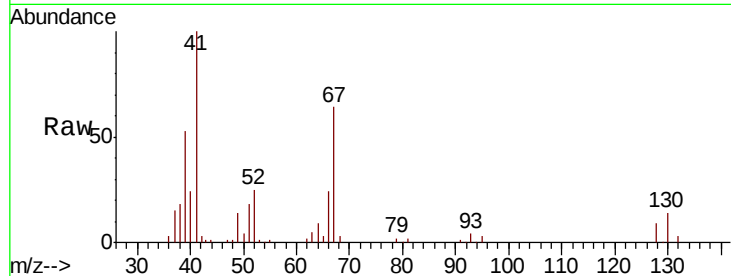
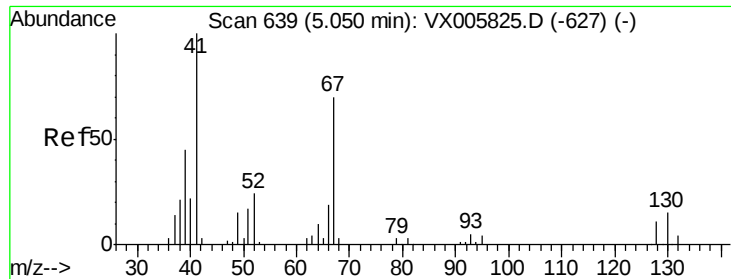
MMDadoda
11/12/2018 9:12:18 AM



#40
Benzene
Concen: 54.360 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX005890.D
Acq: 10 Nov 2018 04:51

Tgt Ion	Ratio	Lower	Upper
78	100		
77	20.8	18.4	27.6





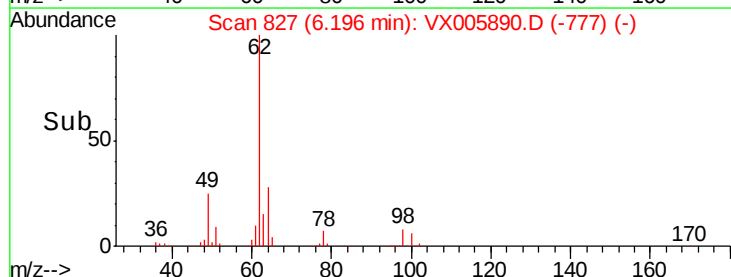
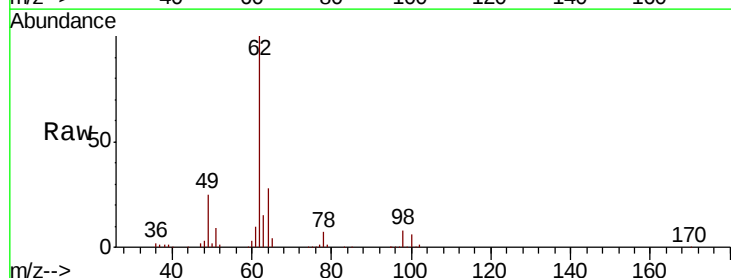
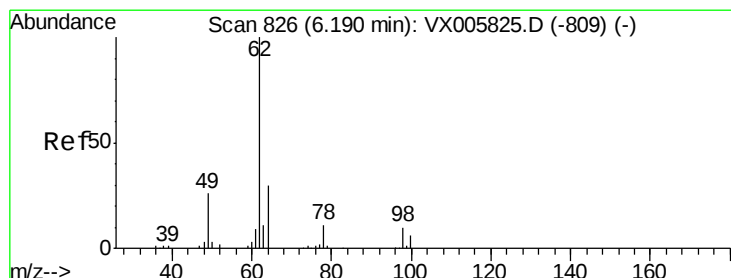
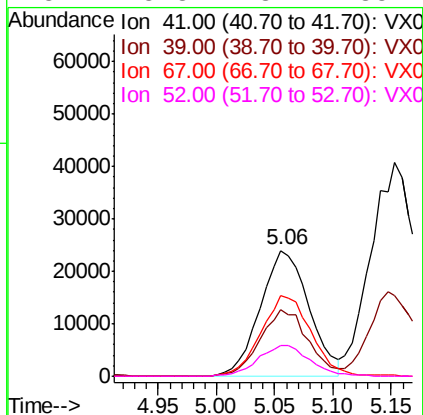
#41
Methacrylonitrile
Concen: 53.936 ug/l
RT: 5.06 min Scan# 640
Delta R.T. 0.01 min
Lab File: VX005890.D
Acq: 10 Nov 2018 04:51

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.1	42.2	63.2	
67	65.7	53.4	80.0	
52	25.8	23.4	35.2	

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

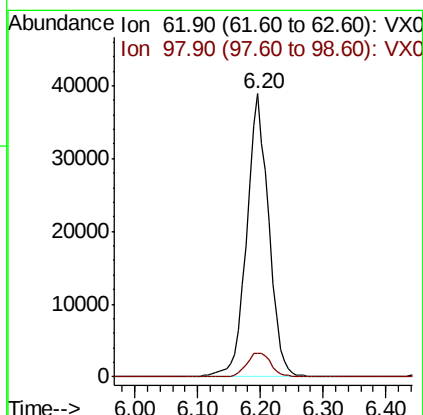
Manual Integrations
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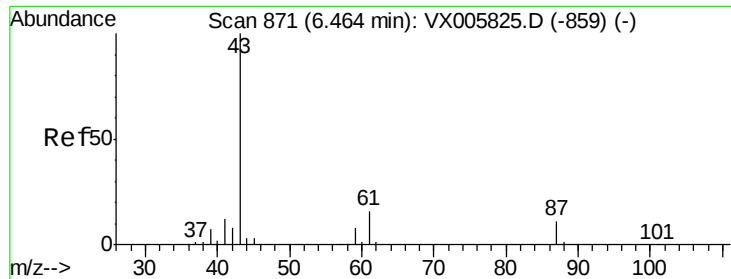
MMDadoda
11/12/2018 9:12:18 AM



#42
1,2-Dichloroethane
Concen: 49.863 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.01 min
Lab File: VX005890.D
Acq: 10 Nov 2018 04:51

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.3	0.0	17.8	





#43

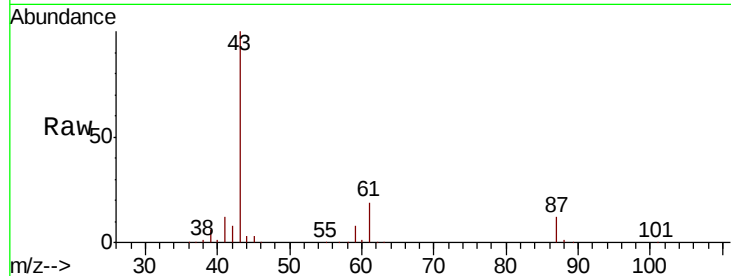
Isopropyl Acetate
 Concen: 52.855 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. -0.00 min
 Lab File: VX005890.D
 Acq: 10 Nov 2018 04:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

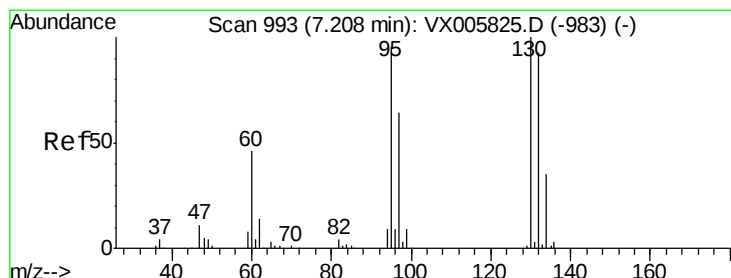
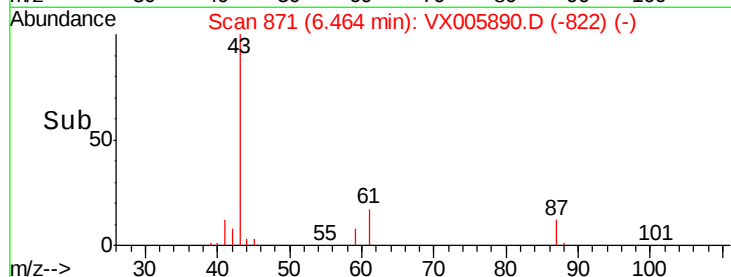
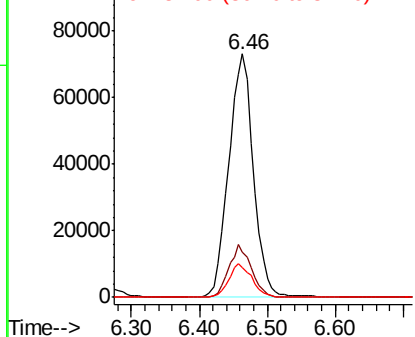
Tot Ion	Ratio	Lower	Upper
43	100		
61	19.9	14.6	22.0
87	13.1	9.6	14.4

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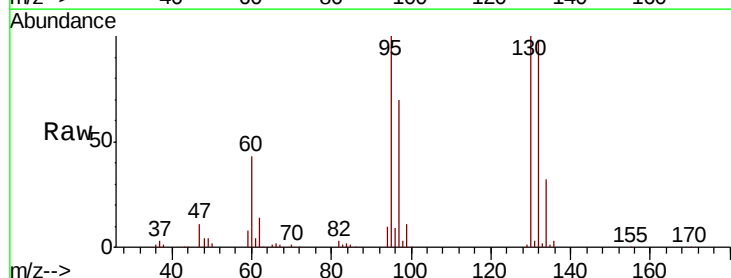
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



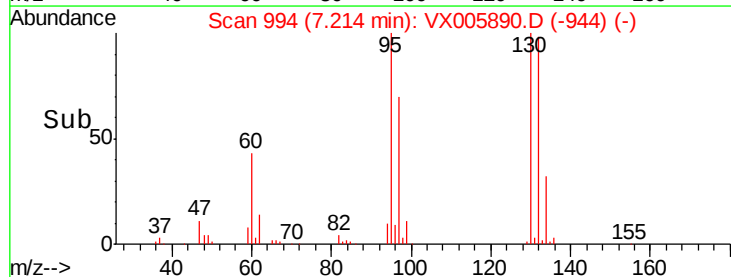
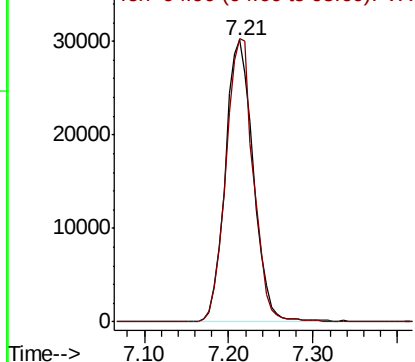
#44

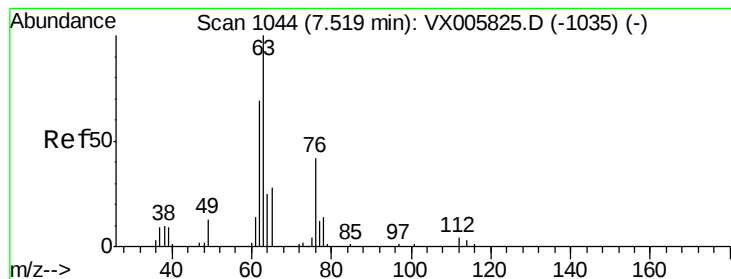
Trichloroethene
 Concen: 50.765 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VX005890.D
 Acq: 10 Nov 2018 04:51

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.4	0.0	194.2



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 53.077 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX005890.D

Acq: 10 Nov 2018 04:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 68228

Ion Ratio Lower Upper

63 100

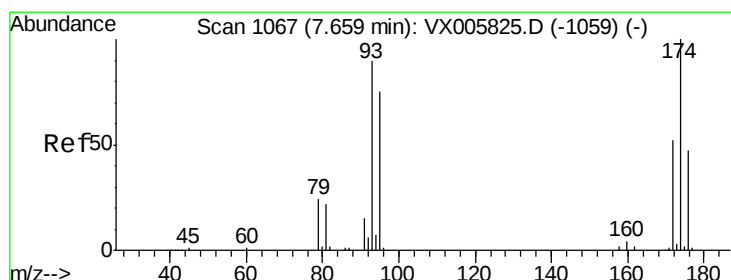
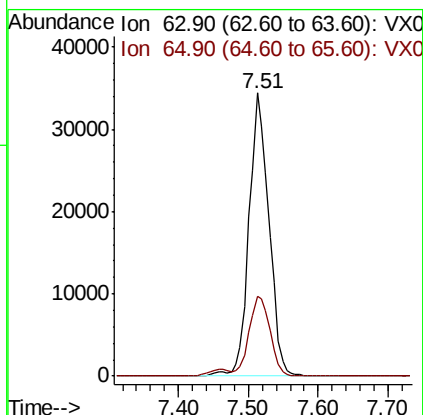
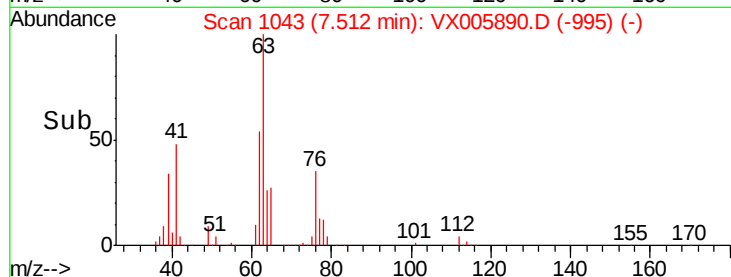
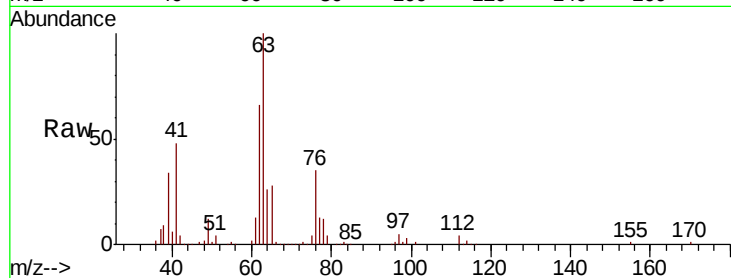
65 28.4 24.8 37.2

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#46

Dibromomethane

Concen: 51.064 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX005890.D

Acq: 10 Nov 2018 04:51

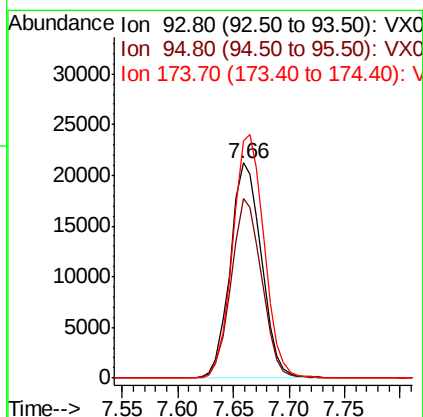
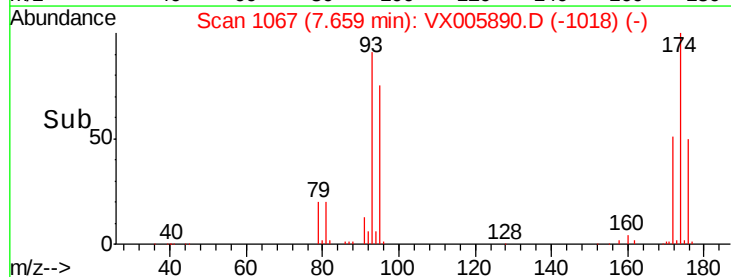
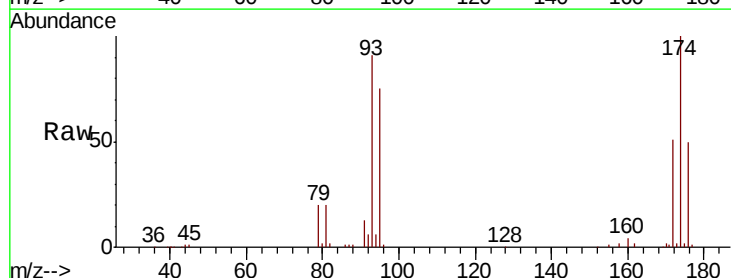
Tgt Ion: 93 Resp: 41190

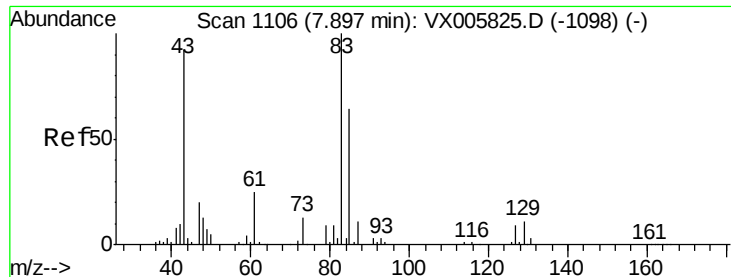
Ion Ratio Lower Upper

93 100

95 81.5 67.4 101.0

174 114.0 91.5 137.3





#47

Bromodichloromethane

Concen: 52.205 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VX005890.D

Acq: 10 Nov 2018 04:51

Instrument :

MSVOA_X

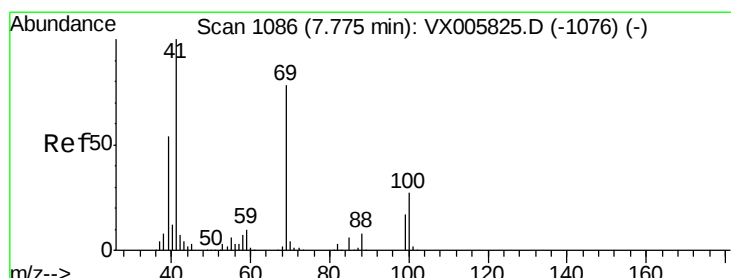
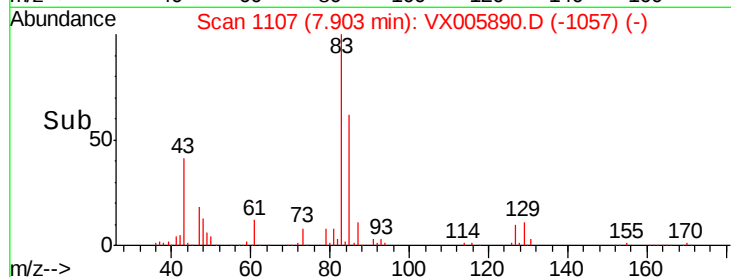
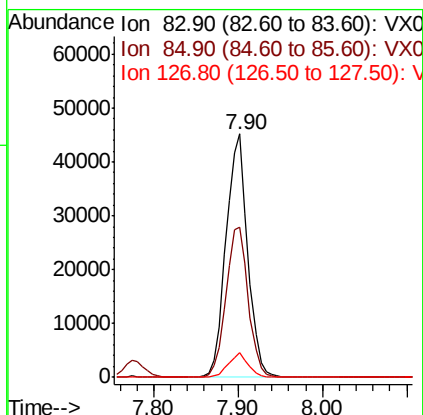
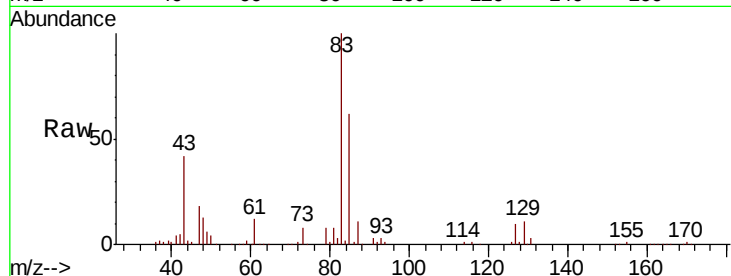
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	79583
Ion	Ratio	Lower	Upper
83	100		
85	61.9	50.2	75.4
127	10.3	6.9	10.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 56.663 ug/l

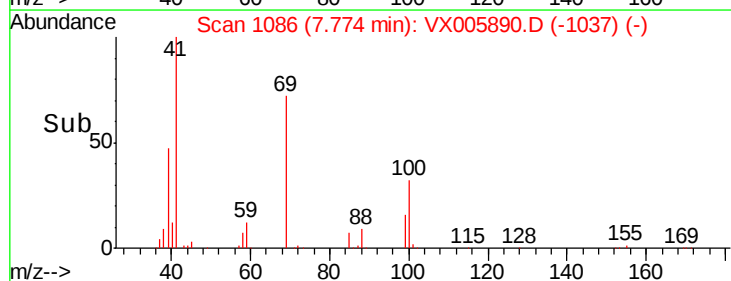
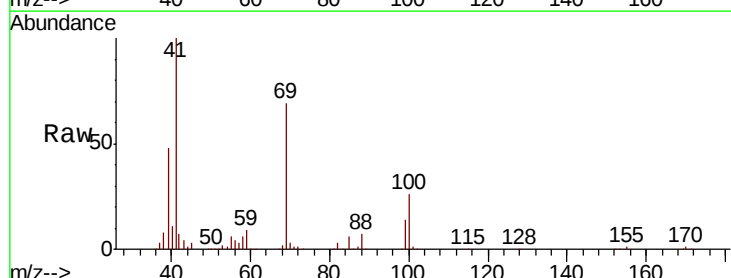
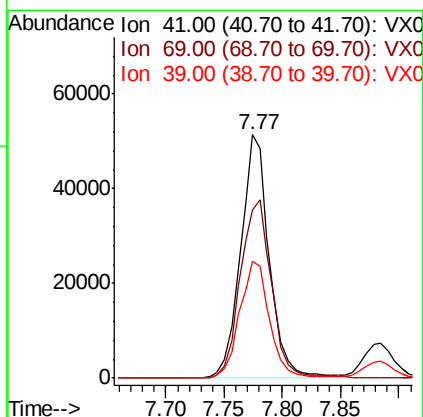
RT: 7.77 min Scan# 1086

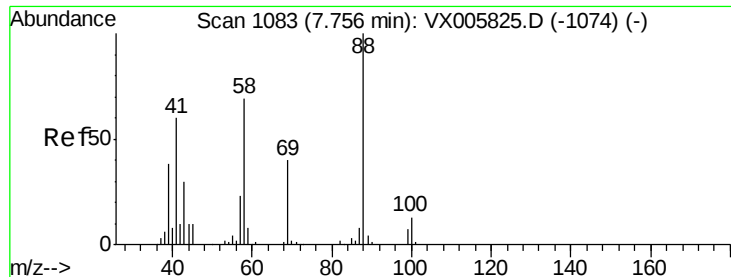
Delta R.T. -0.00 min

Lab File: VX005890.D

Acq: 10 Nov 2018 04:51

Tgt Ion:	41	Resp:	88076
Ion	Ratio	Lower	Upper
41	100		
69	80.0	63.2	94.8
39	50.3	42.2	63.2





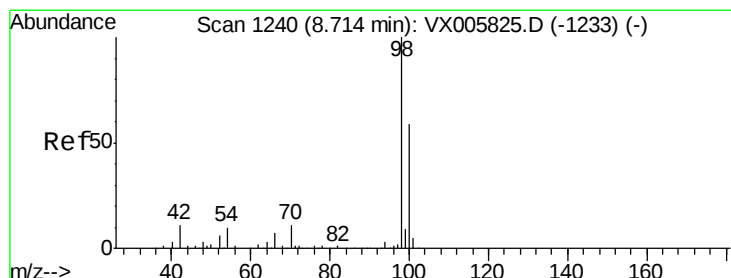
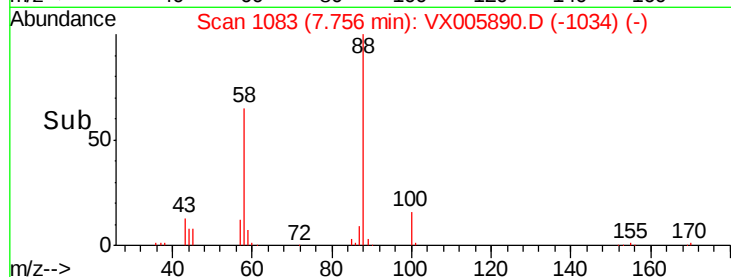
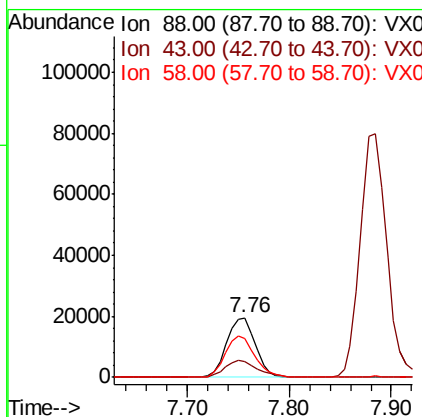
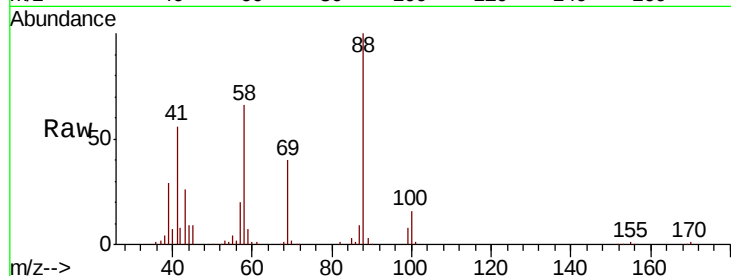
#49
1,4-Dioxane
Concen: 1132.519 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. -0.00 min
Lab File: VX005890.D
Acq: 10 Nov 2018 04:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.6	27.4	41.0
58	71.1	59.4	89.2

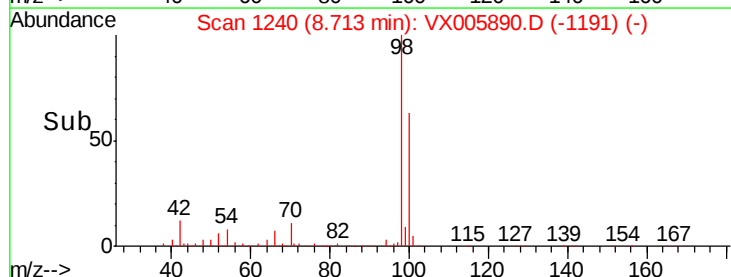
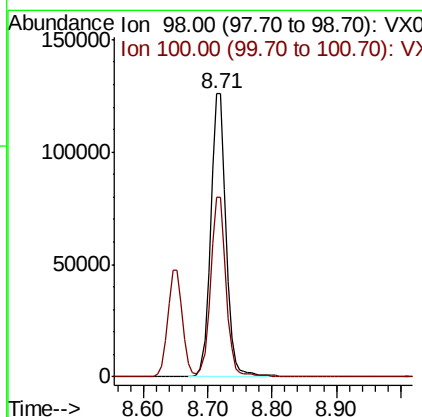
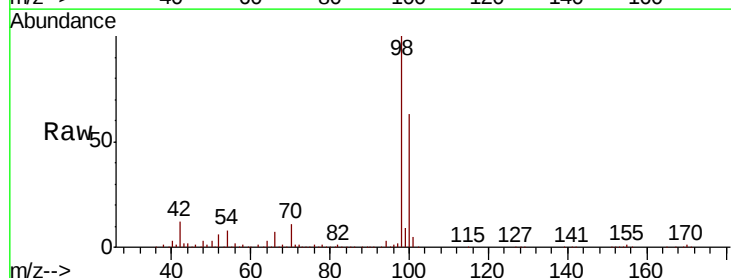
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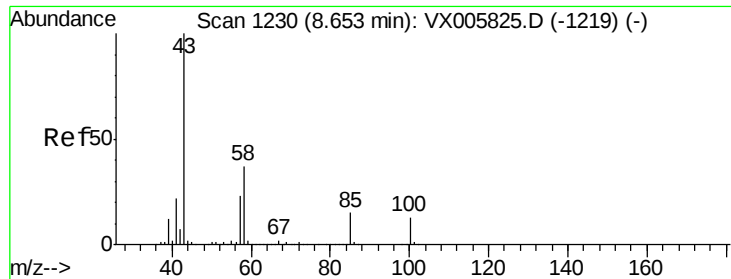
MMDadoda
11/12/2018 9:12:18 AM



#50
Toluene-d8
Concen: 49.666 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005890.D
Acq: 10 Nov 2018 04:51

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.3	76.9





#51

4-Methyl-2-Pentanone

Concen: 260.549 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VX005890.D

Acq: 10 Nov 2018 04:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 568439

Ion Ratio Lower Upper

43 100

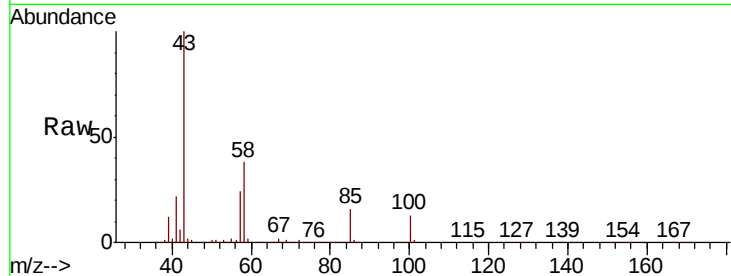
58 37.1 29.7 44.5

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.65

400000

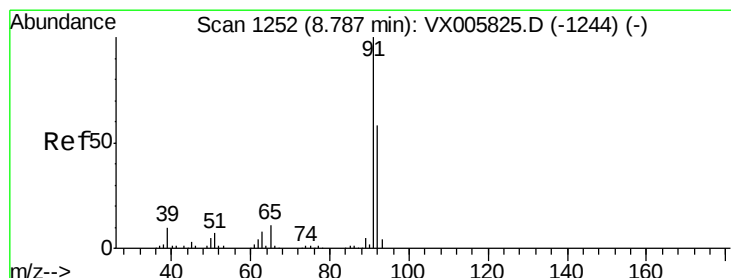
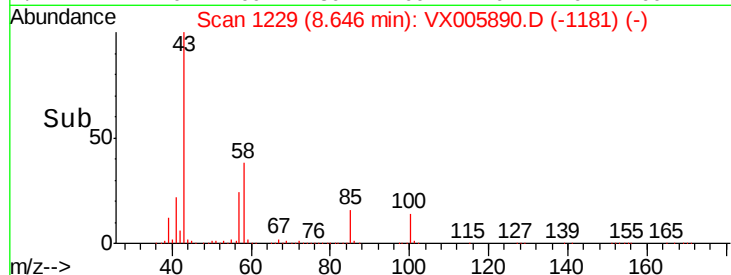
300000

200000

100000

0

Time--> 8.50 8.60 8.70 8.80



#52

Toluene

Concen: 49.445 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX005890.D

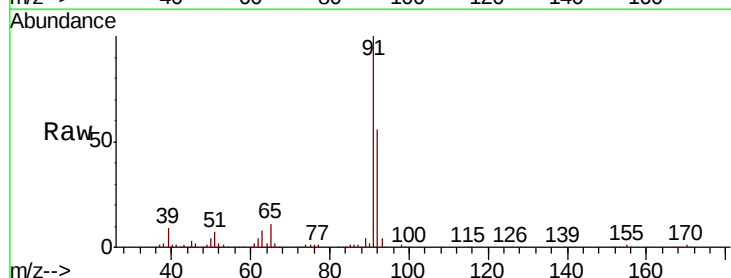
Acq: 10 Nov 2018 04:51

Tgt Ion: 92 Resp: 146355

Ion Ratio Lower Upper

92 100

91 176.9 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

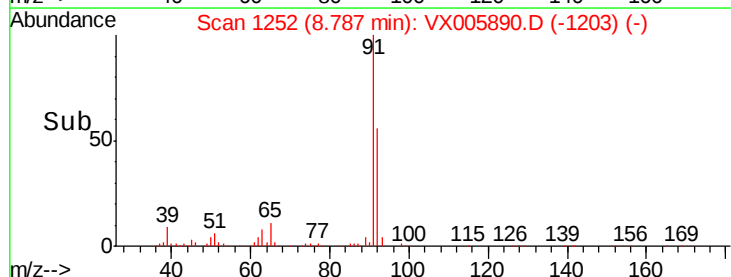
150000

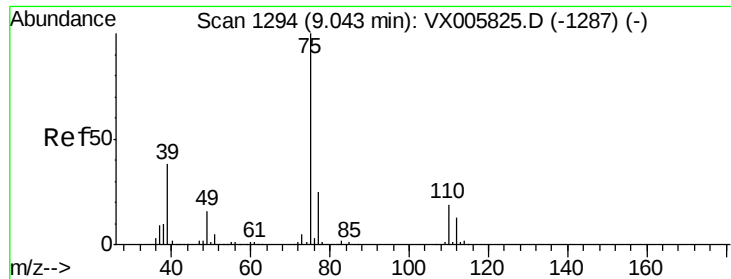
100000

50000

0

Time--> 8.70 8.80 8.90 9.00





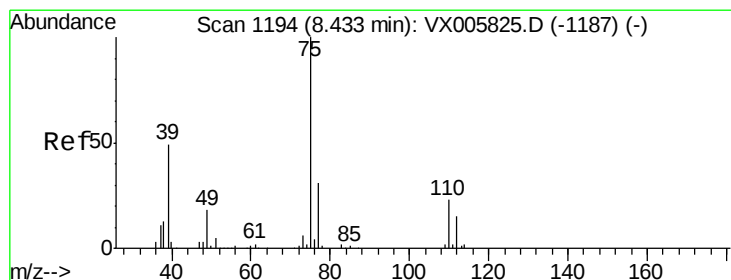
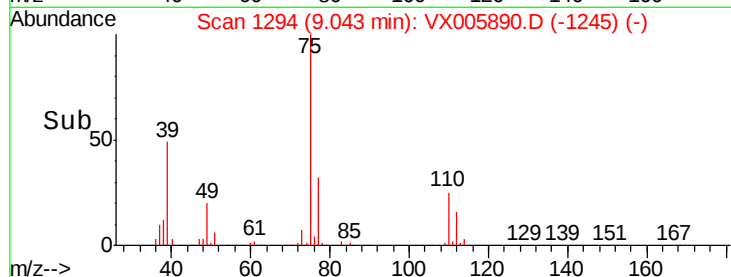
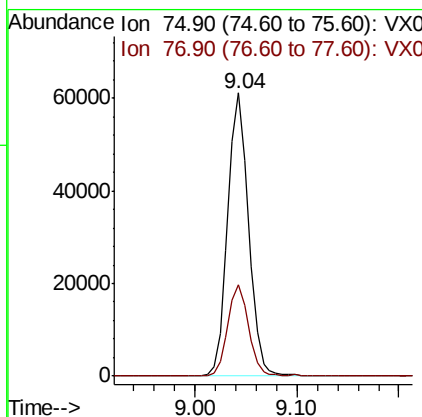
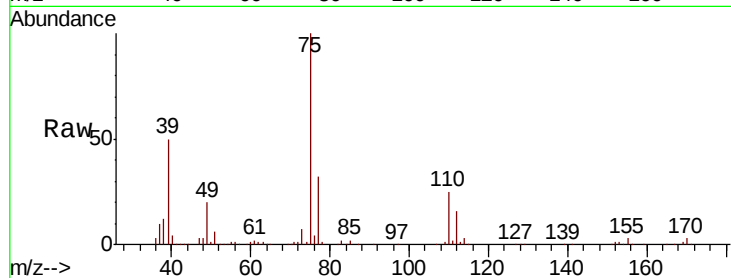
#53
t-1,3-Dichloropropene
Concen: 48.186 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX005890.D
Acq: 10 Nov 2018 04:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 86686
Ion Ratio Lower Upper
75 100
77 32.1 25.4 38.2

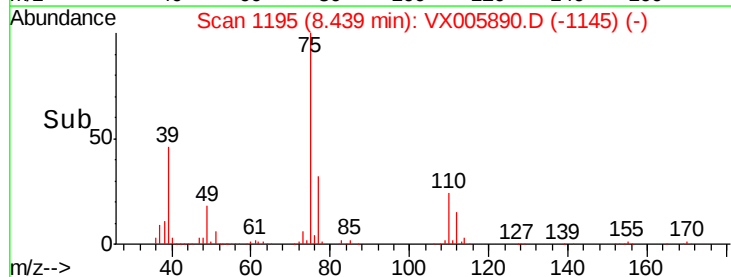
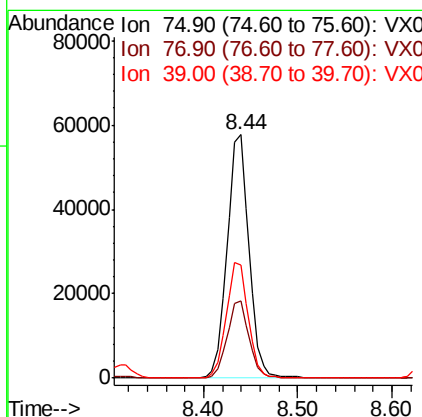
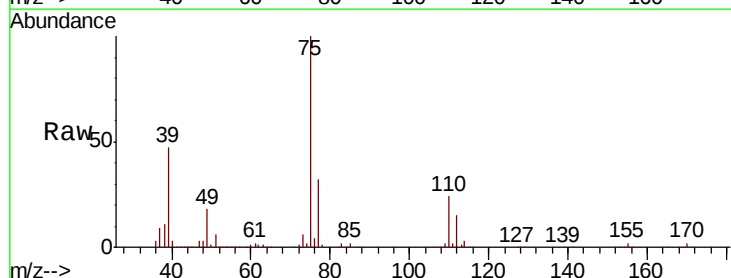
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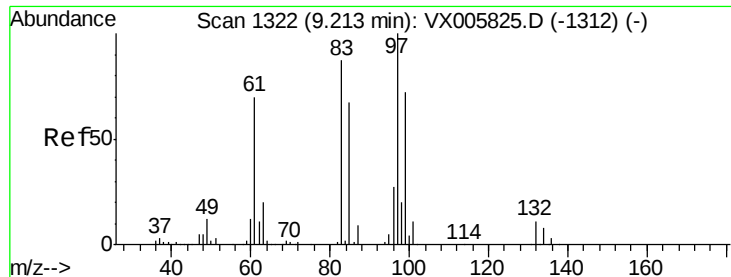
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 50.736 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. 0.01 min
Lab File: VX005890.D
Acq: 10 Nov 2018 04:51

Tgt Ion: 75 Resp: 93029
Ion Ratio Lower Upper
75 100
77 31.5 25.2 37.8
39 46.4 38.2 57.2





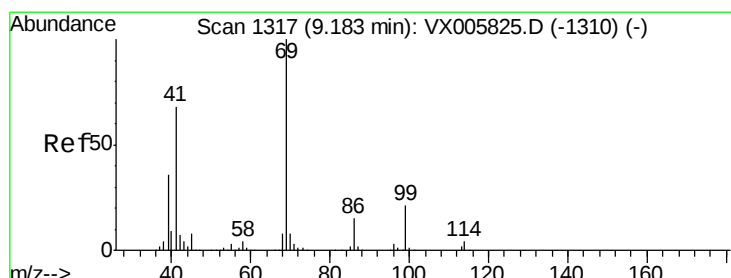
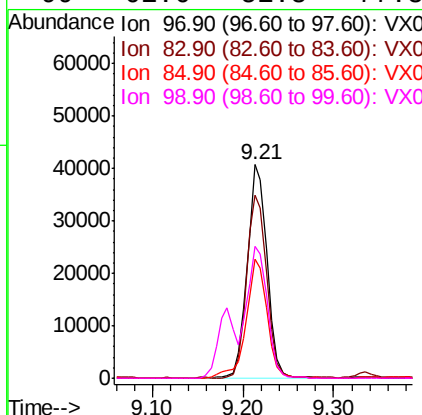
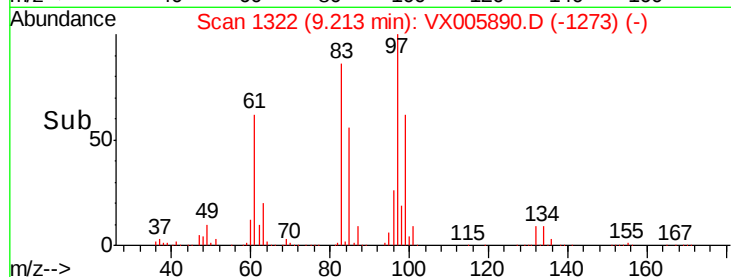
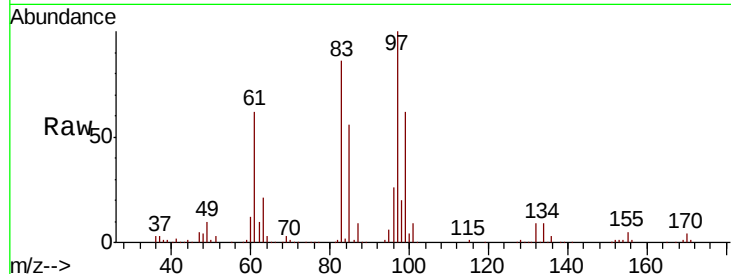
#55
 1,1,2-Trichloroethane
 Concen: 46.787 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX005890.D
 Acq: 10 Nov 2018 04:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
97	100		
83	85.6	70.7	106.1
85	55.7	45.8	68.6
99	61.6	51.8	77.8

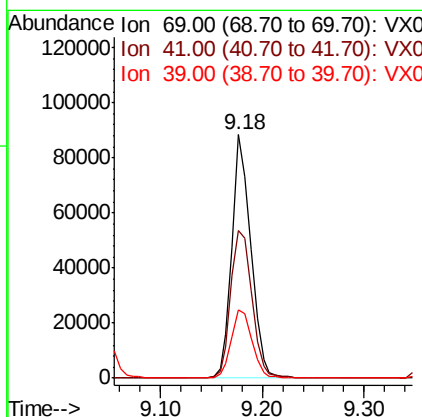
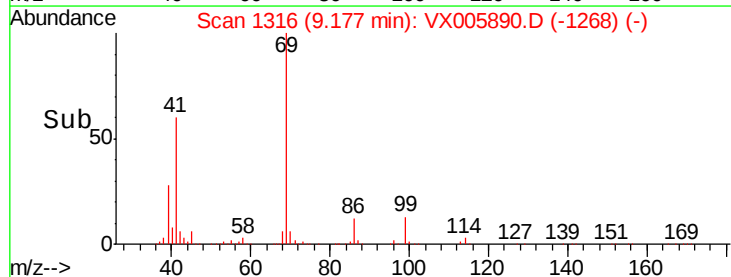
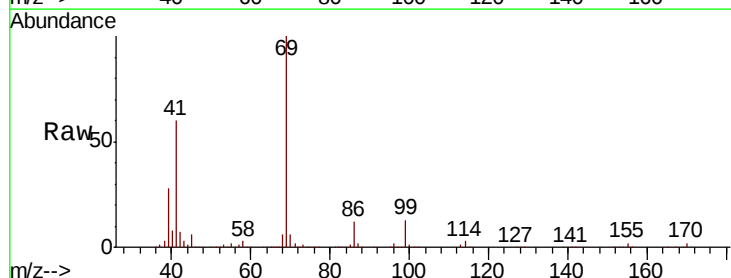
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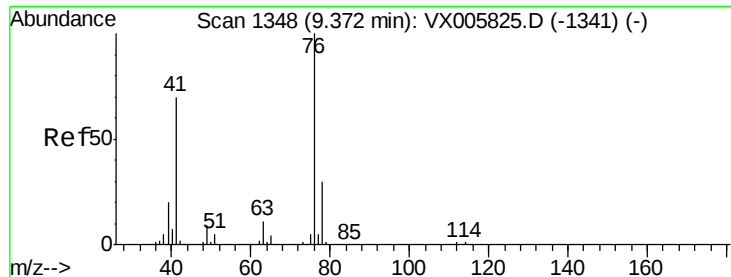
MMDadoda
 11/12/2018 9:12:18 AM



#56
 Ethyl methacrylate
 Concen: 57.462 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.01 min
 Lab File: VX005890.D
 Acq: 10 Nov 2018 04:51

Tgt Ion	Ratio	Lower	Upper
69	100		
41	68.1	57.0	85.6
39	30.8	28.3	42.5





#57

1,3-Dichloropropane

Concen: 46.377 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX005890.D

Acq: 10 Nov 2018 04:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 102812

Ion Ratio Lower Upper

76 100

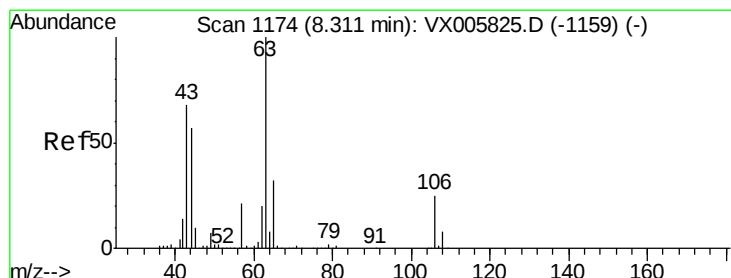
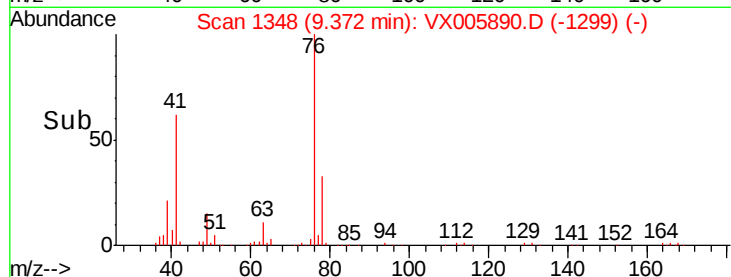
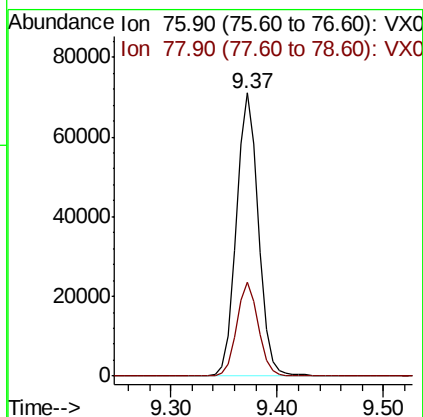
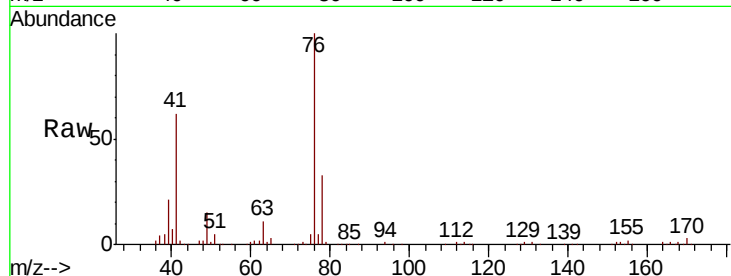
78 32.7 25.3 37.9

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 259.358 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX005890.D

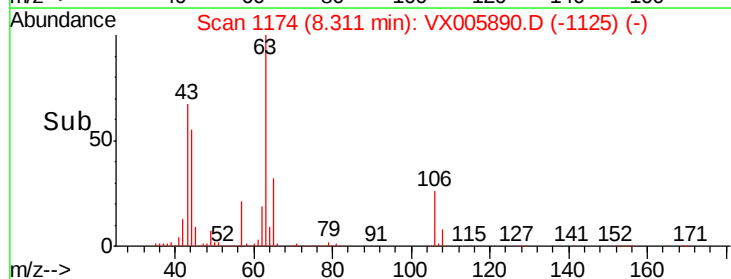
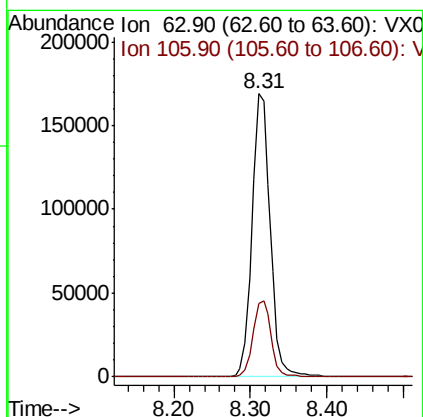
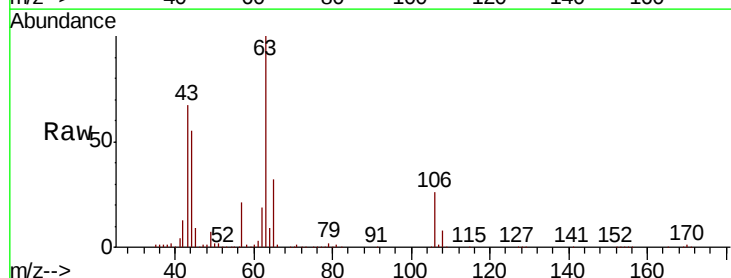
Acq: 10 Nov 2018 04:51

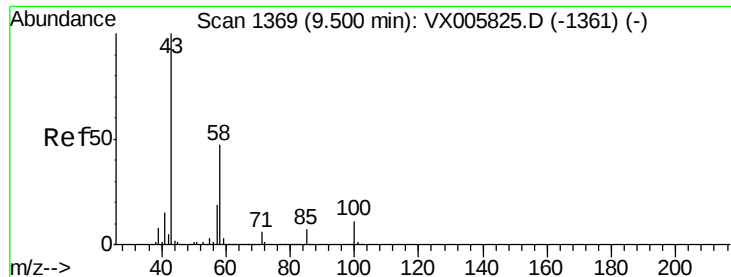
Tgt Ion: 63 Resp: 279294

Ion Ratio Lower Upper

63 100

106 27.0 21.3 31.9





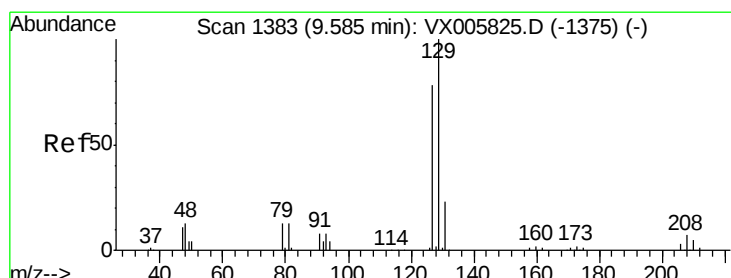
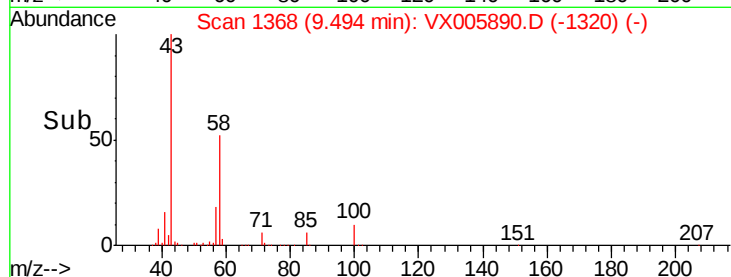
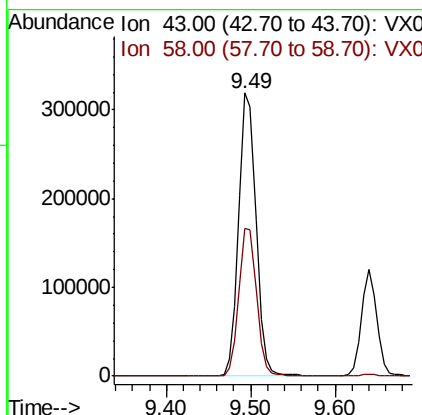
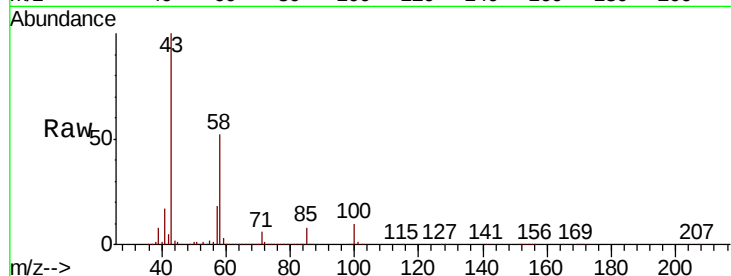
#59
2-Hexanone
Concen: 229.883 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX005890.D
Acq: 10 Nov 2018 04:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 442081
Ion Ratio Lower Upper
43 100
58 53.3 25.9 77.8

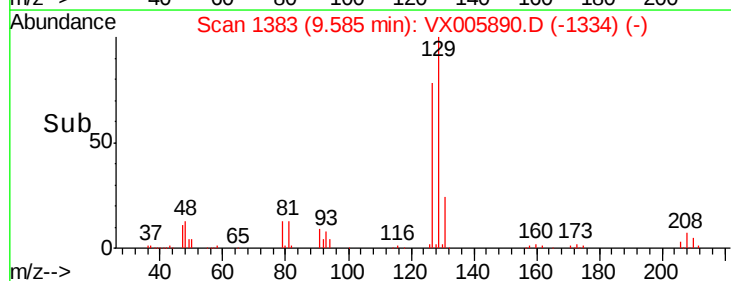
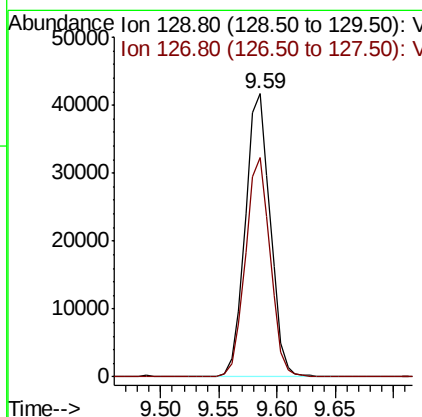
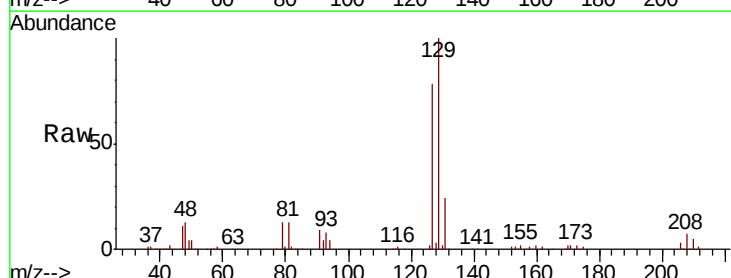
Manual Integrations
APPROVED

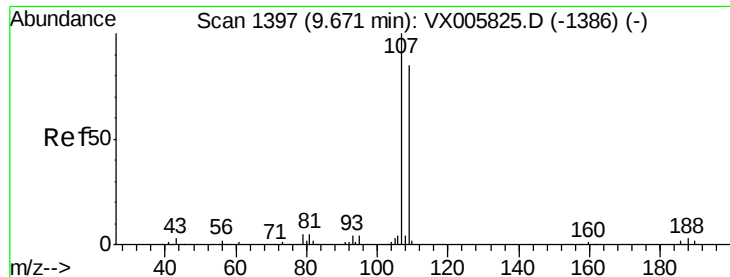
MMDadoda
11/12/2018 9:12:18 AM



#60
Dibromochloromethane
Concen: 43.605 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX005890.D
Acq: 10 Nov 2018 04:51

Tgt Ion: 129 Resp: 62167
Ion Ratio Lower Upper
129 100
127 77.1 38.9 116.7





#61

1,2-Dibromoethane

Concen: 45.513 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX005890.D

Acq: 10 Nov 2018 04:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 66390

Ion Ratio Lower Upper

107 100

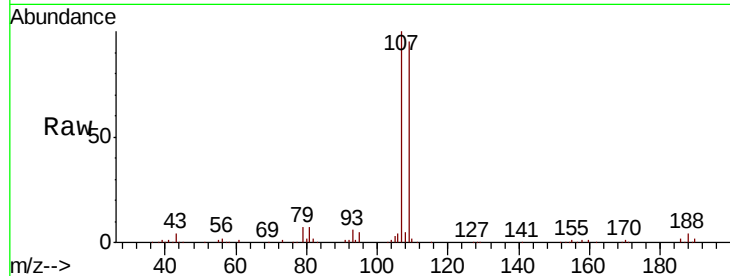
109 95.1 75.7 113.5

Manual Integrations

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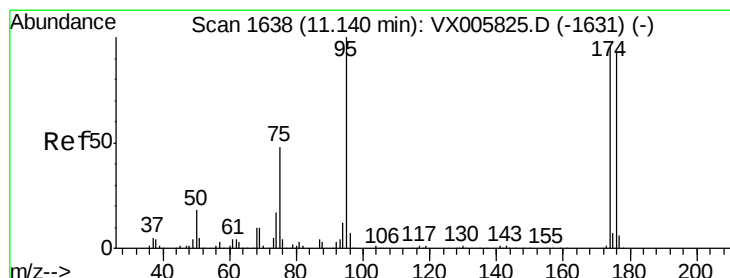
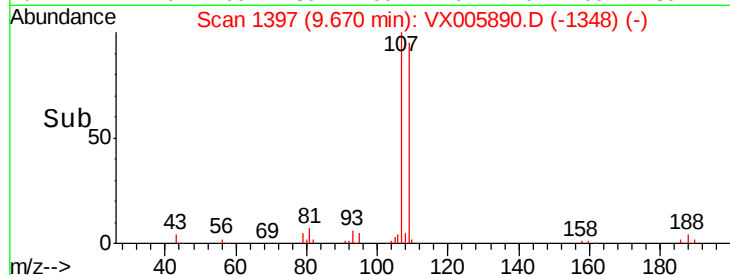
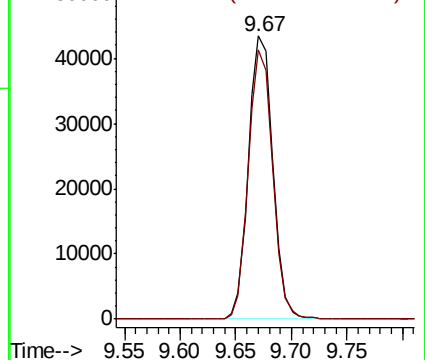
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.659 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005890.D

Acq: 10 Nov 2018 04:51

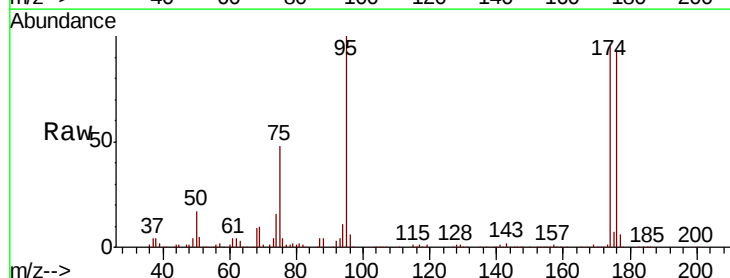
Tgt Ion: 95 Resp: 79145

Ion Ratio Lower Upper

95 100

174 90.1 0.0 184.4

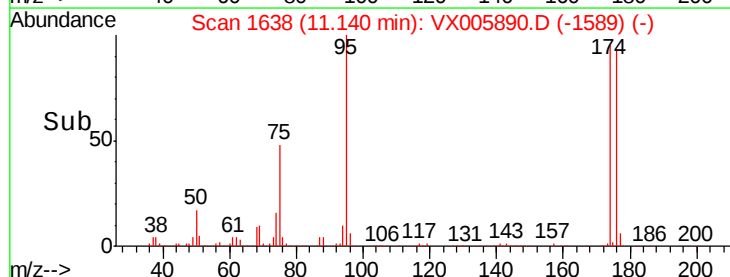
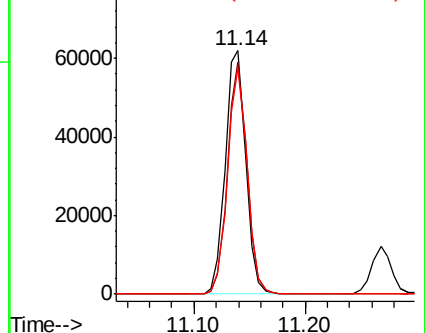
176 88.4 0.0 177.4

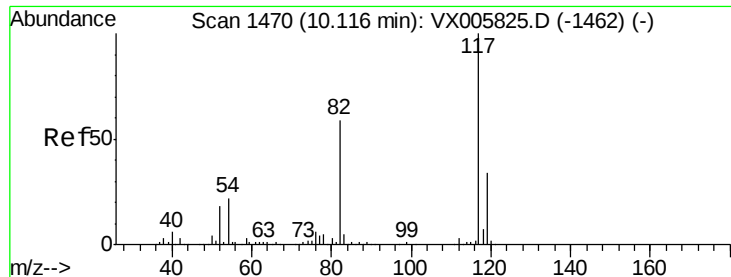


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





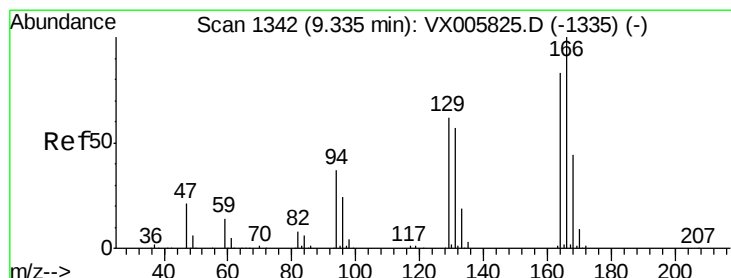
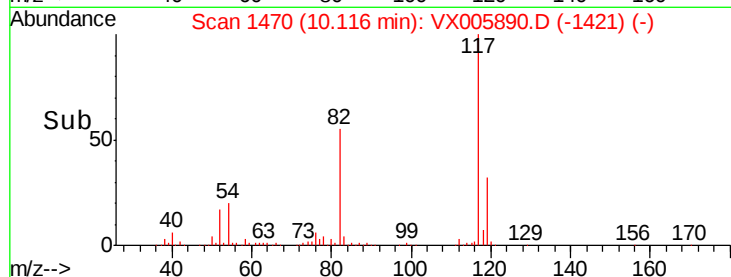
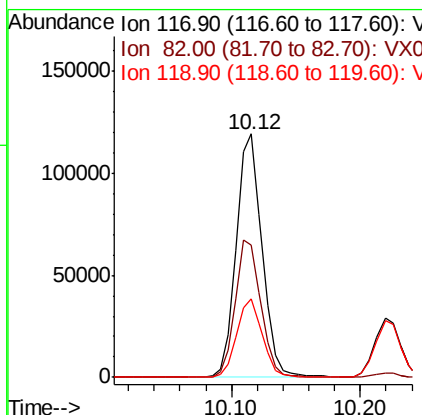
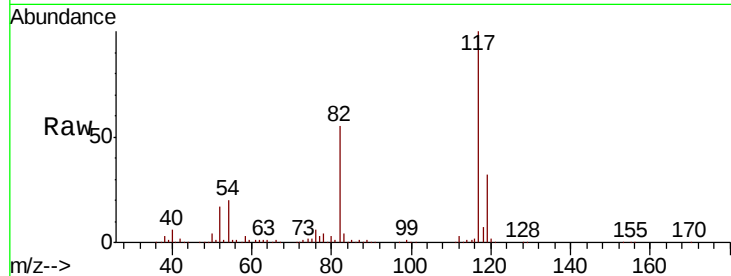
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005890.D
Acq: 10 Nov 2018 04:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.5	44.1	66.1
119	32.4	26.2	39.2

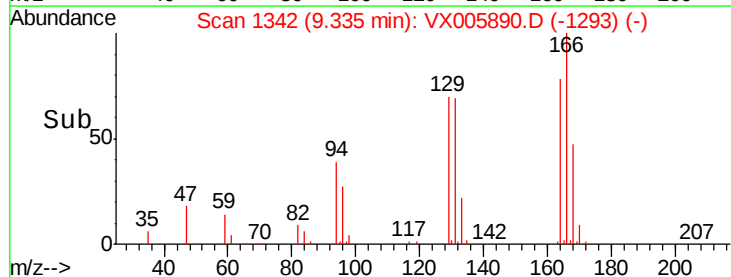
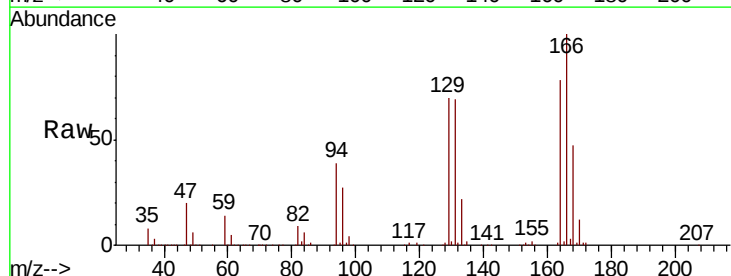
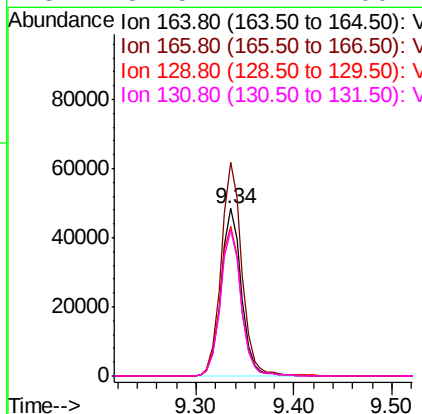
Manual Integrations
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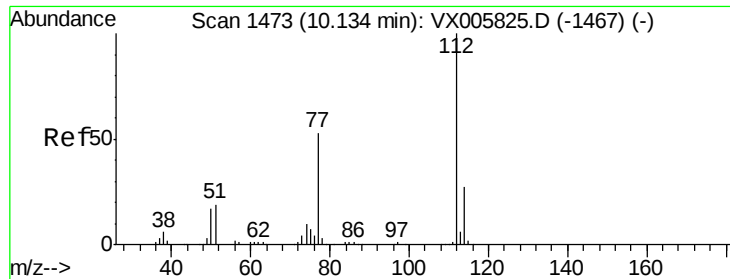
MMDadoda
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#64
Tetrachloroethene
Concen: 49.739 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005890.D
Acq: 10 Nov 2018 04:51

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.6	101.9	152.9
129	88.9	72.6	109.0
131	87.5	71.1	106.7





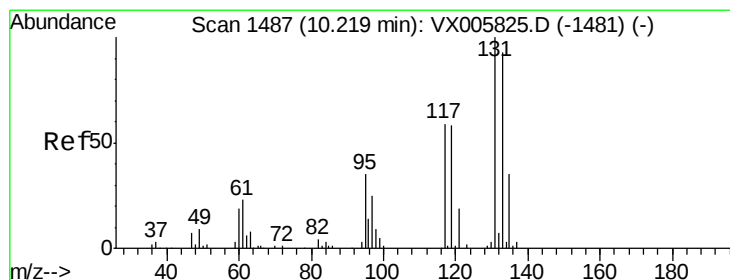
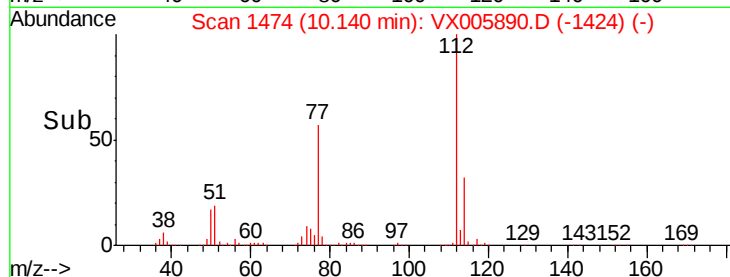
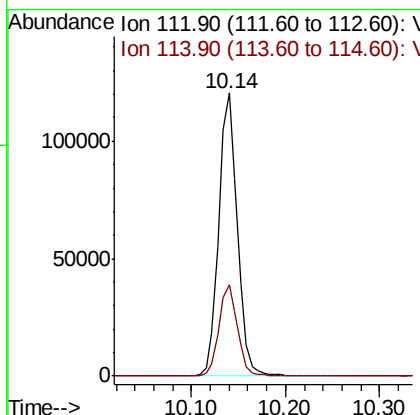
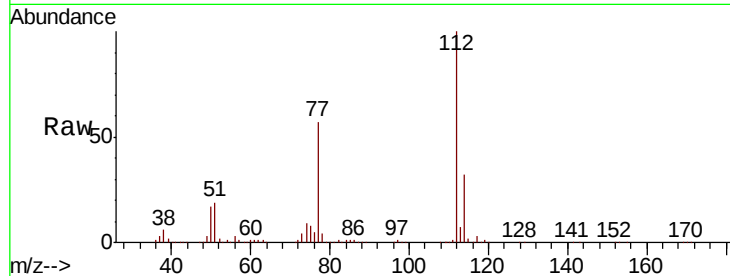
#65
Chlorobenzene
Concen: 49.602 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX005890.D
Acq: 10 Nov 2018 04:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 164786
Ion Ratio Lower Upper
112 100
114 32.2 25.8 38.6

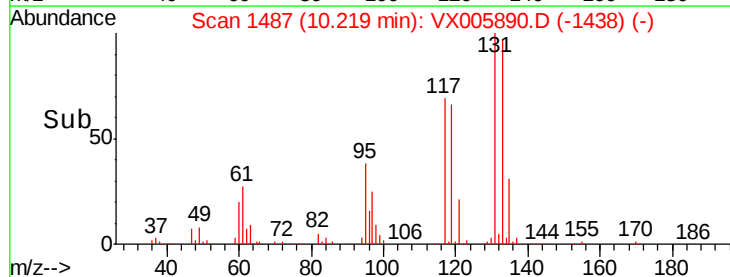
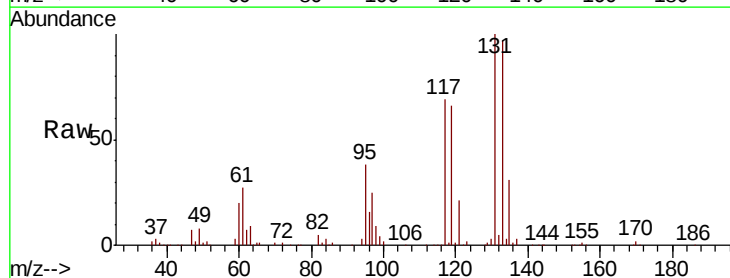
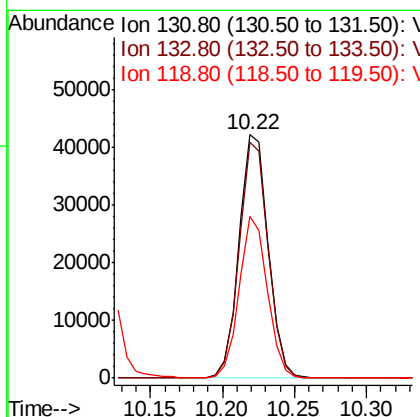
Manual Integrations
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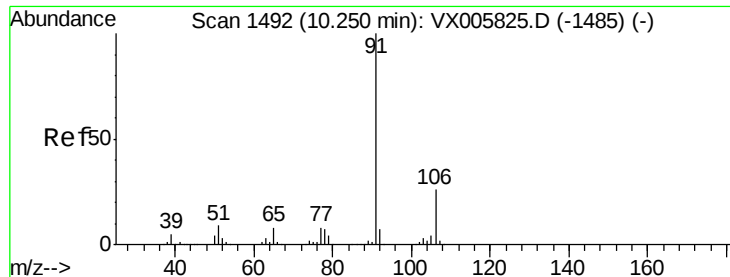
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.280 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX005890.D
Acq: 10 Nov 2018 04:51

Tgt Ion:131 Resp: 59227
Ion Ratio Lower Upper
131 100
133 96.1 47.5 142.5
119 64.4 31.8 95.3





#67

Ethyl Benzene

Concen: 54.362 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX005890.D

Acq: 10 Nov 2018 04:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 289598

Ion Ratio Lower Upper

91 100

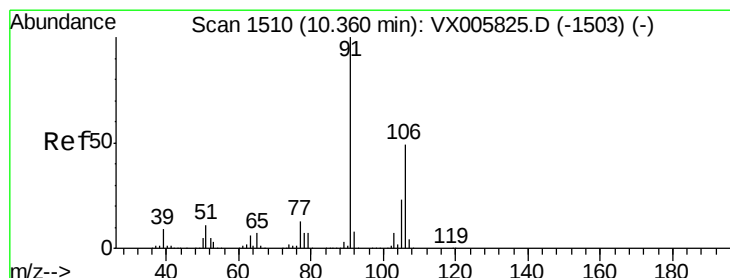
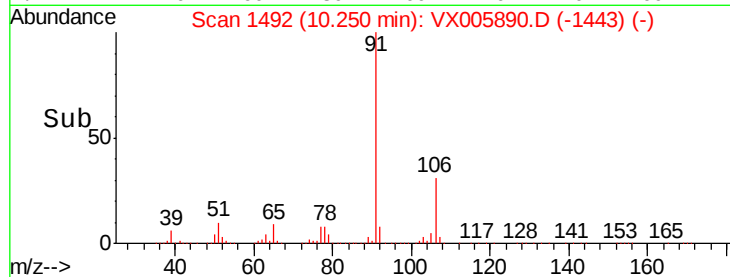
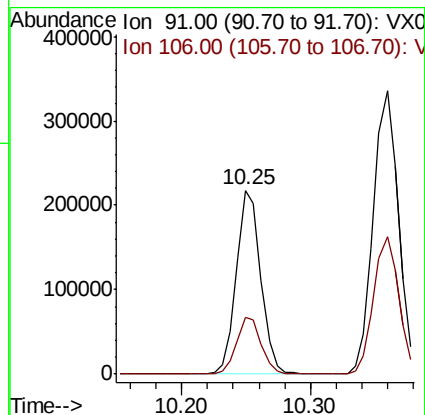
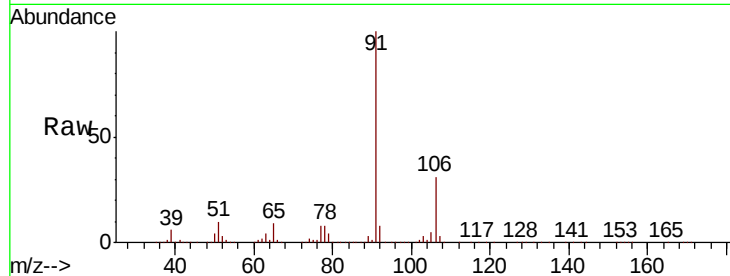
106 31.0 24.4 36.6

Manual Integrations

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#68

m/p-Xylenes

Concen: 108.652 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX005890.D

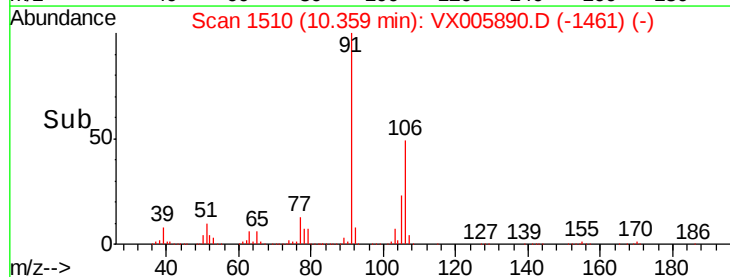
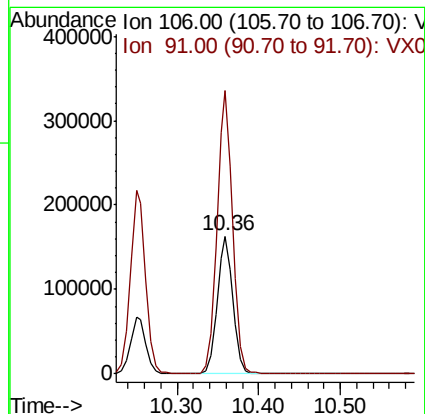
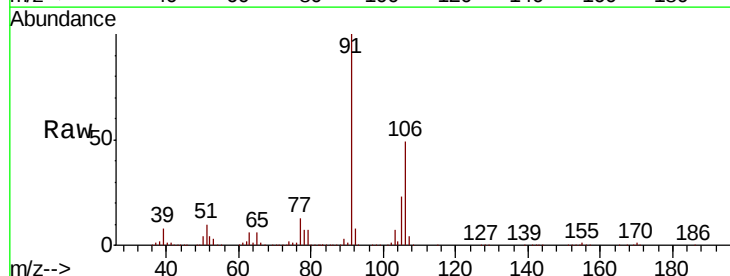
Acq: 10 Nov 2018 04:51

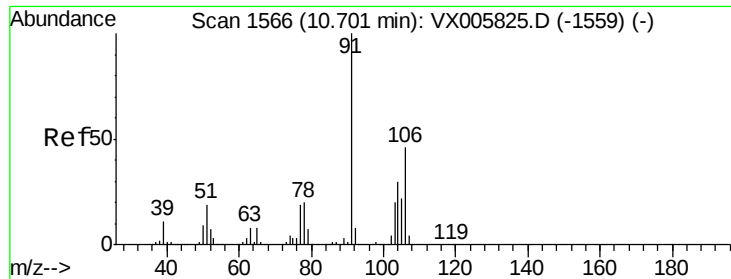
Tgt Ion: 106 Resp: 220780

Ion Ratio Lower Upper

106 100

91 204.5 164.2 246.4





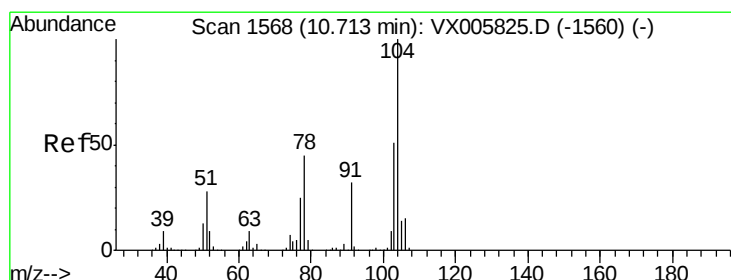
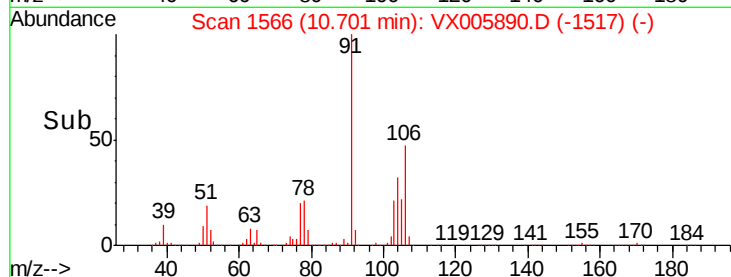
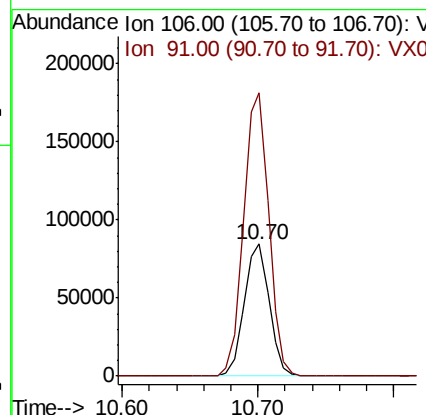
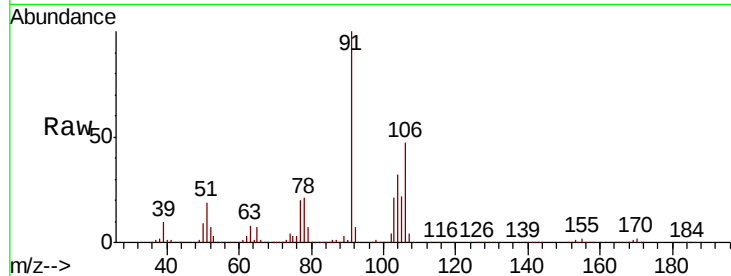
#69
o-Xylene
Concen: 59.345 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005890.D
Acq: 10 Nov 2018 04:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	216.1	108.5	325.5

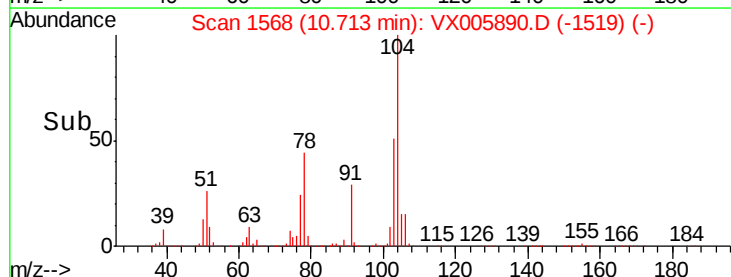
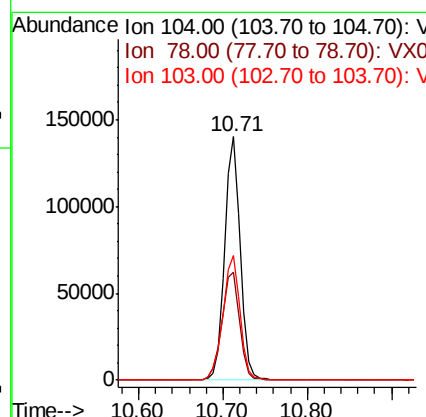
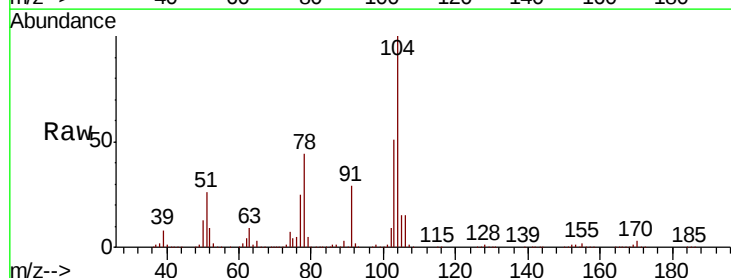
Manual Integrations
APPROVED

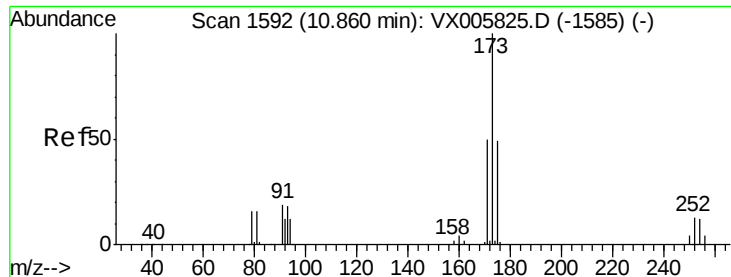
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#70
Styrene
Concen: 60.126 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005890.D
Acq: 10 Nov 2018 04:51

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.7	40.2	60.4
103	56.0	44.9	67.3





#71

Bromoform

Concen: 53.317 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX005890.D

Acq: 10 Nov 2018 04:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 51622

Ion Ratio Lower Upper

173 100

175 48.3 24.8 74.3

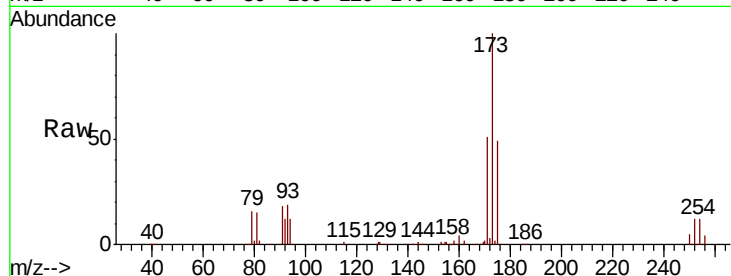
254 0.1 0.2 0.2#

Manual Integrations

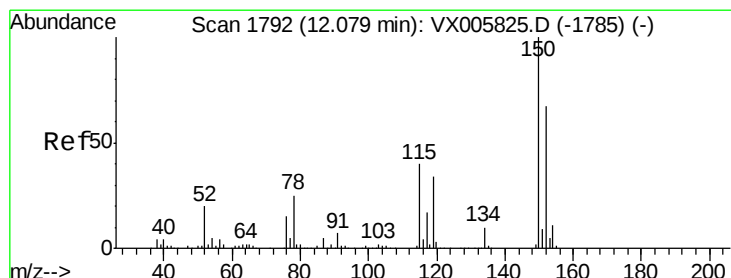
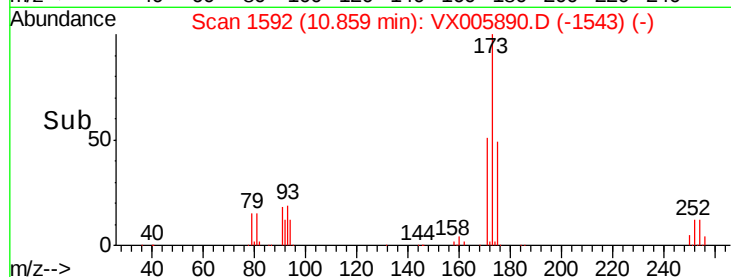
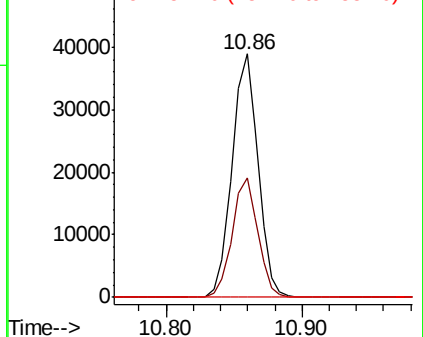
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005890.D

Acq: 10 Nov 2018 04:51

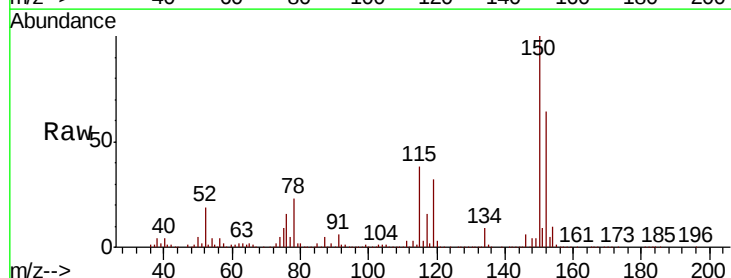
Tgt Ion:152 Resp: 91406

Ion Ratio Lower Upper

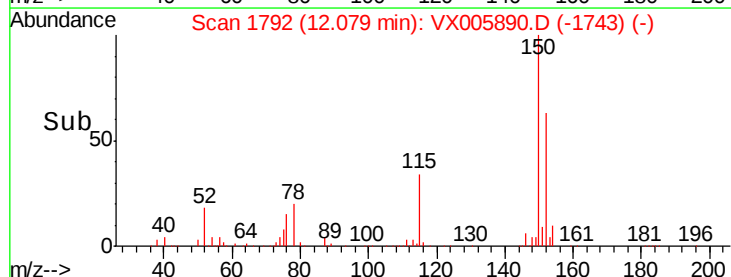
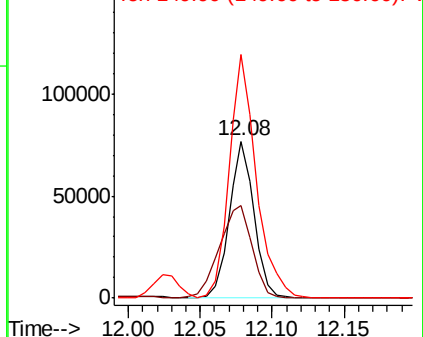
152 100

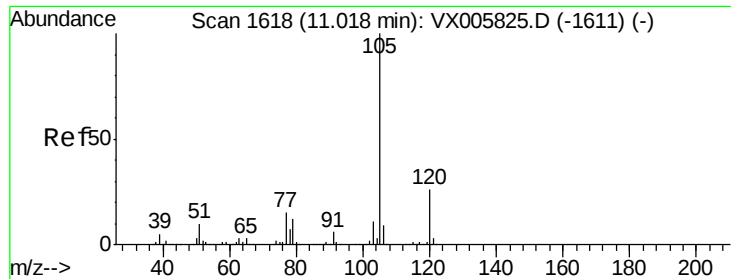
115 77.6 39.4 118.1

150 171.4 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 55.665 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX005890.D

Acq: 10 Nov 2018 04:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 294241

Ion Ratio Lower Upper

105 100

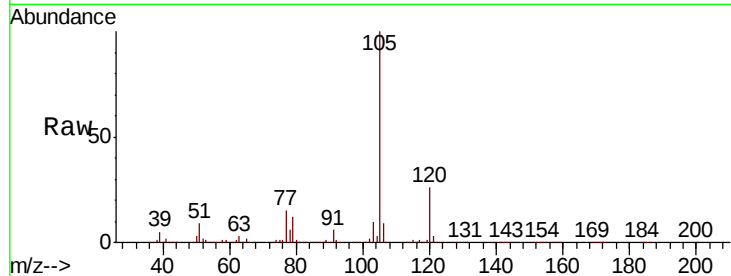
120 26.3 13.1 39.3

Manual Integrations

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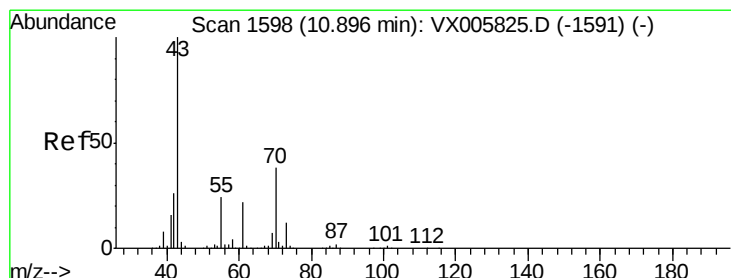
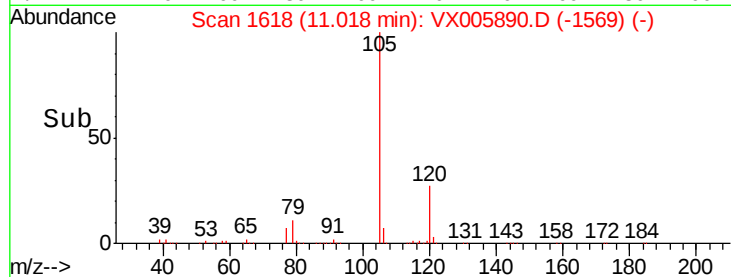
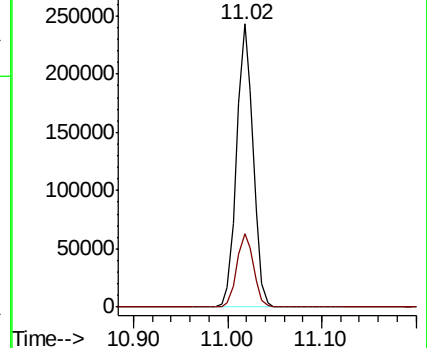
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.398 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX005890.D

Acq: 10 Nov 2018 04:51

Tgt Ion: 43 Resp: 149505

Ion Ratio Lower Upper

43 100

70 39.8 31.6 47.4

55 23.2 19.7 29.5

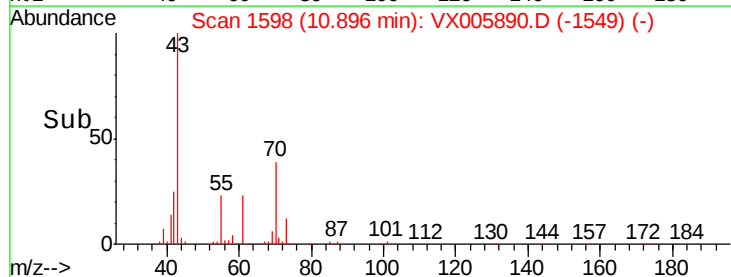
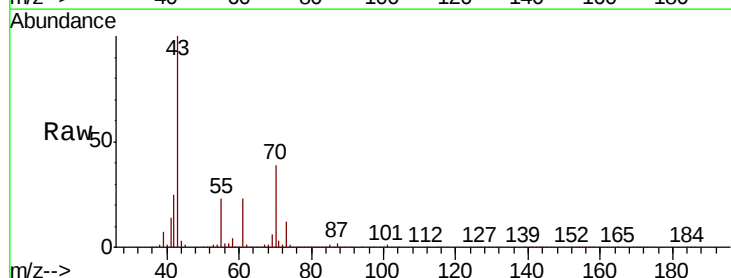
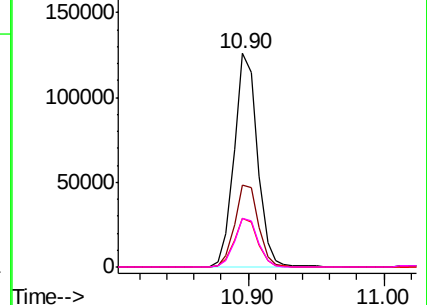
61 23.3 18.3 27.5

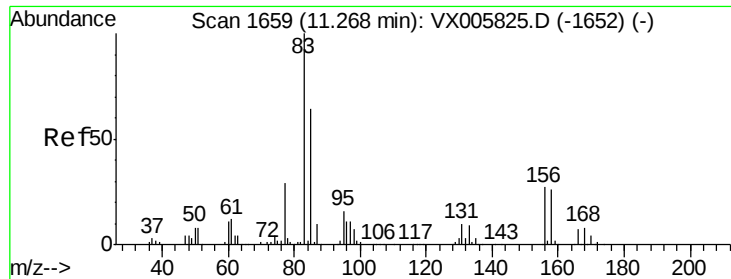
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 50.166 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005890.D

Acq: 10 Nov 2018 04:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 97331

Ion Ratio Lower Upper

83 100

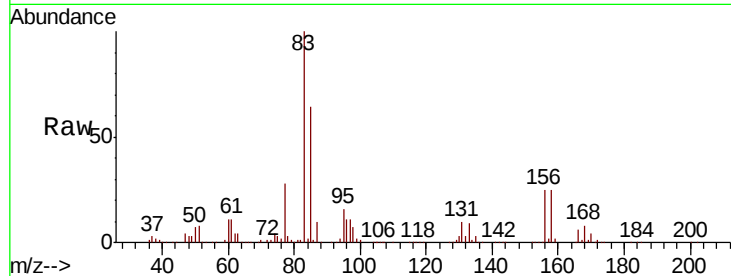
131 10.5 5.3 15.9

85 64.2 32.0 96.2

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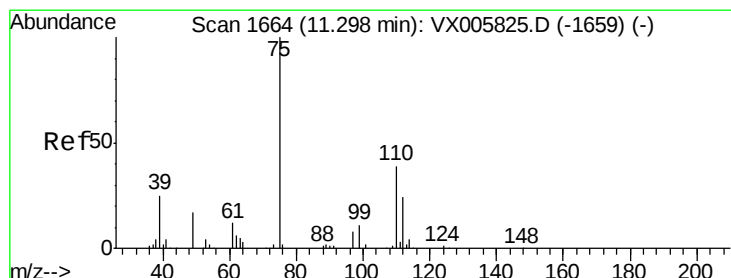
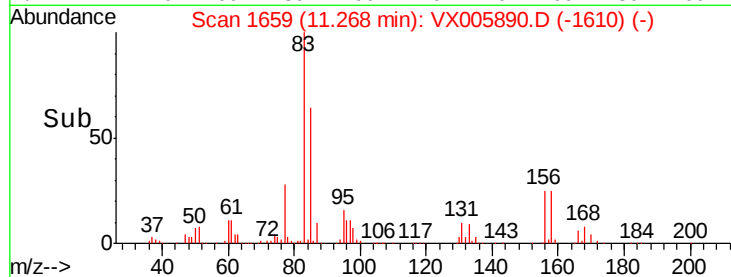
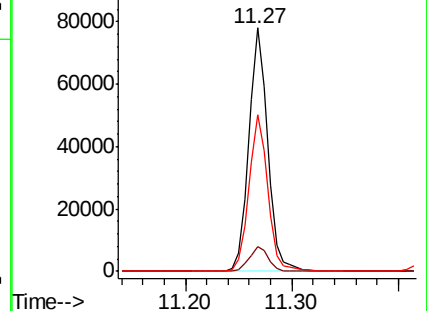
11/12/2018 9:12:18 AM



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 51.180 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX005890.D

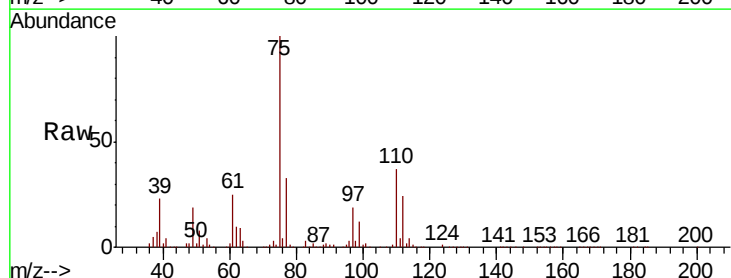
Acq: 10 Nov 2018 04:51

Tgt Ion: 75 Resp: 95258

Ion Ratio Lower Upper

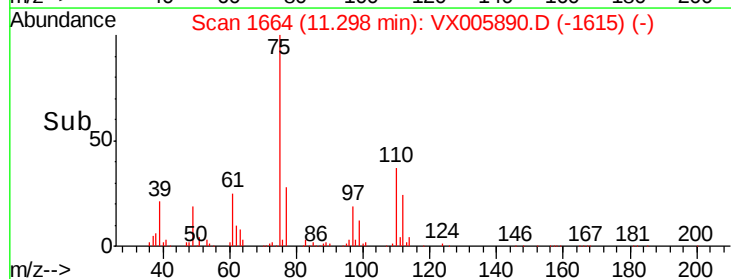
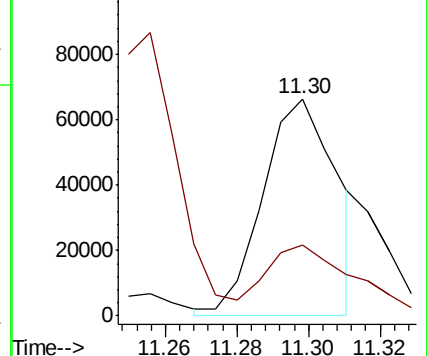
75 100

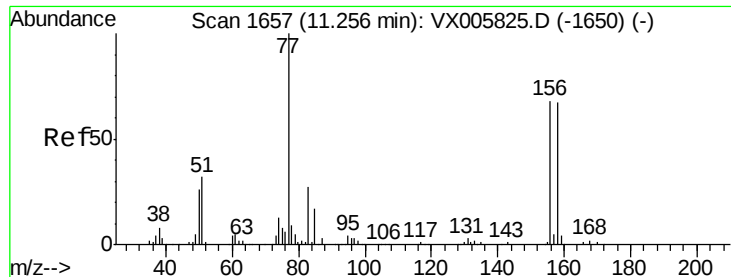
77 38.5 20.5 61.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 51.537 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005890.D

Acq: 10 Nov 2018 04:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 76784

Ion Ratio Lower Upper

156 100

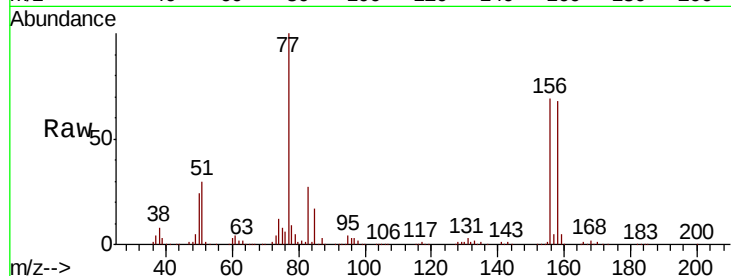
77 150.2 74.8 224.4

158 97.4 49.1 147.3

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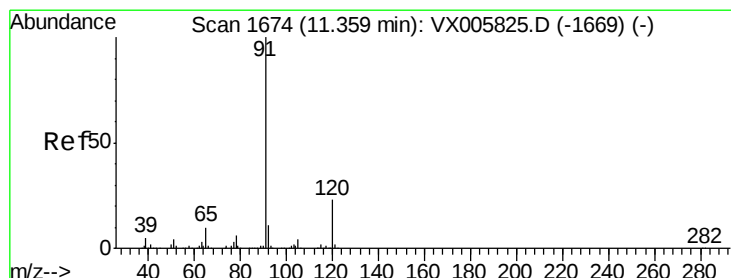
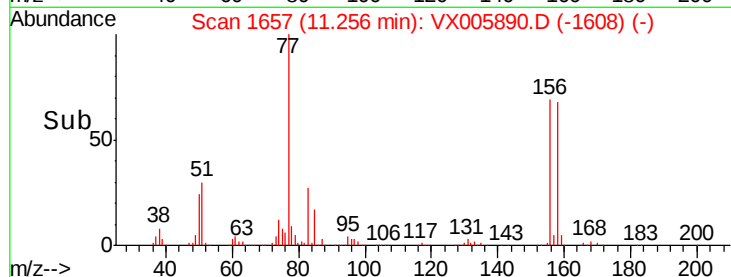
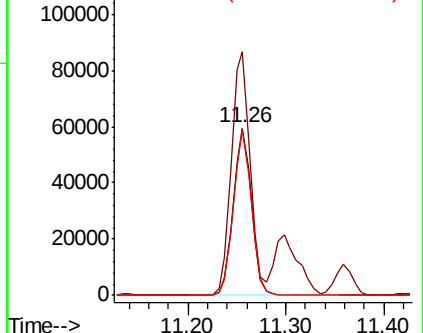
11/12/2018 9:12:18 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 54.092 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005890.D

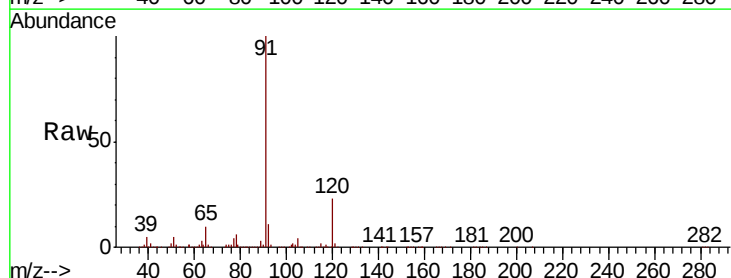
Acq: 10 Nov 2018 04:51

Tgt Ion: 91 Resp: 336974

Ion Ratio Lower Upper

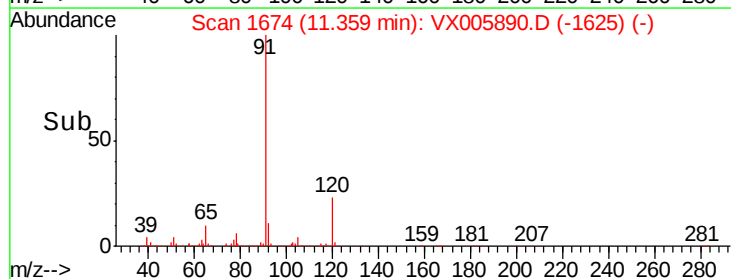
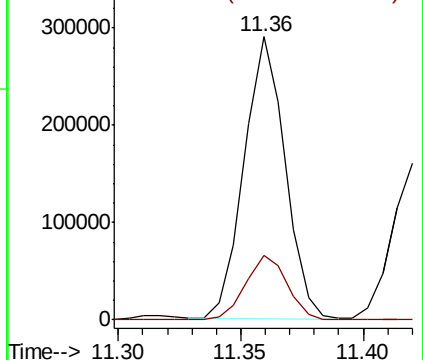
91 100

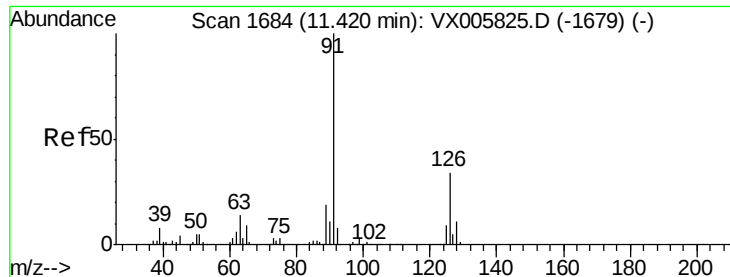
120 23.5 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.576 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX005890.D

Acq: 10 Nov 2018 04:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 197971

Ion Ratio Lower Upper

91 100

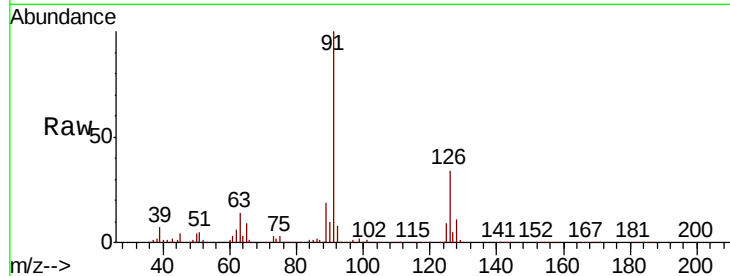
126 34.8 17.3 52.0

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Abundance Ion 91.00 (90.70 to 91.70): VX005825.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX005825.D (-1679) (-)

300000

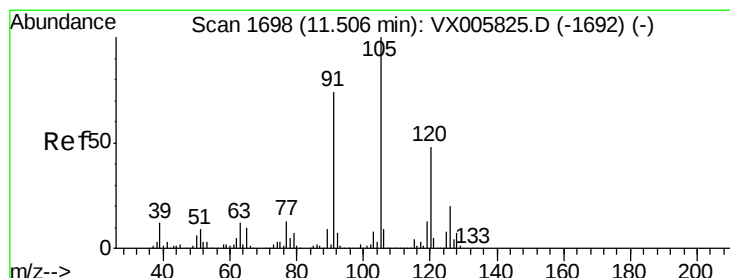
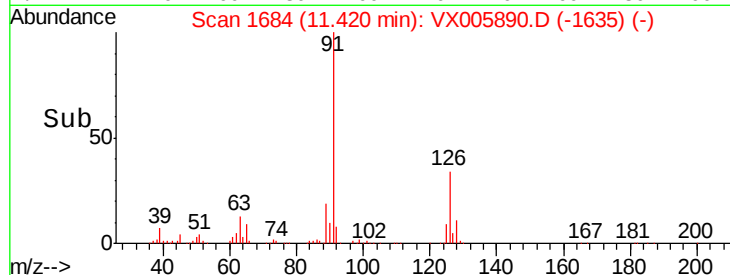
200000

100000

0

11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 55.149 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX005890.D

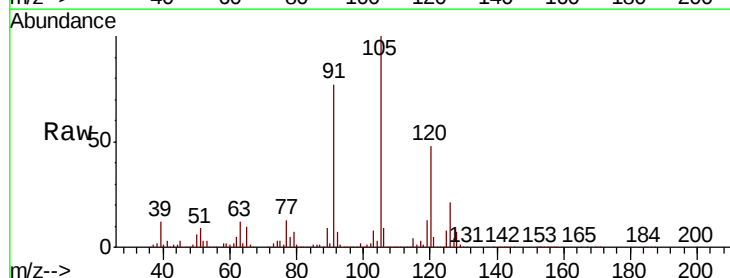
Acq: 10 Nov 2018 04:51

Tgt Ion: 105 Resp: 247727

Ion Ratio Lower Upper

105 100

120 48.3 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): VX005825.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX005825.D (-1692) (-)

250000

200000

150000

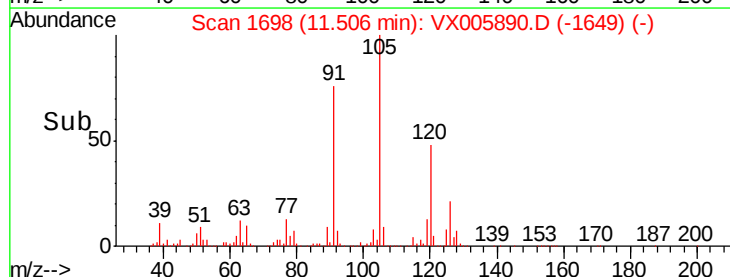
100000

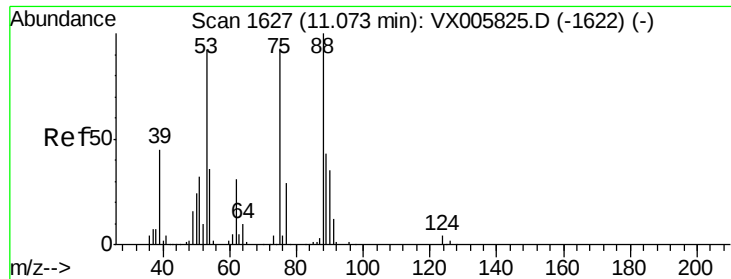
50000

0

11.45 11.50 11.55 11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 46.829 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX005890.D

Acq: 10 Nov 2018 04:51

Instrument :

MSVOA_X

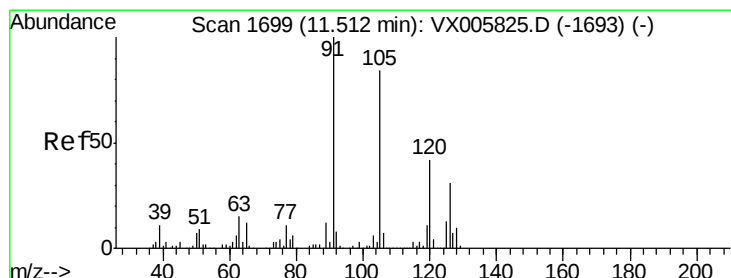
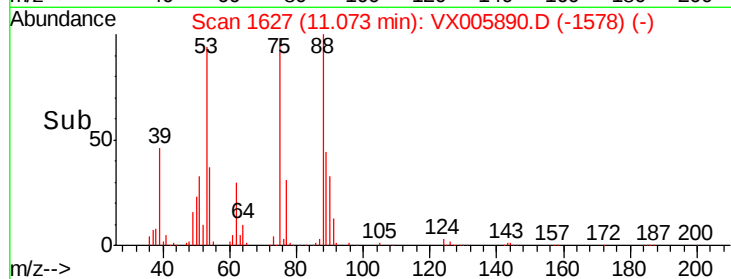
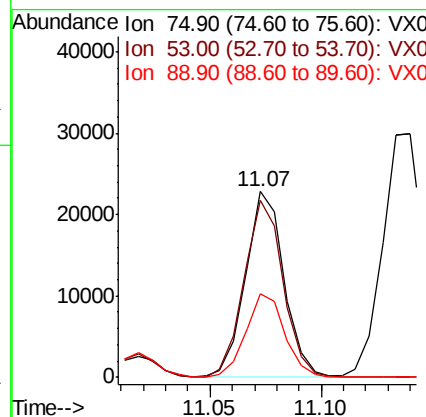
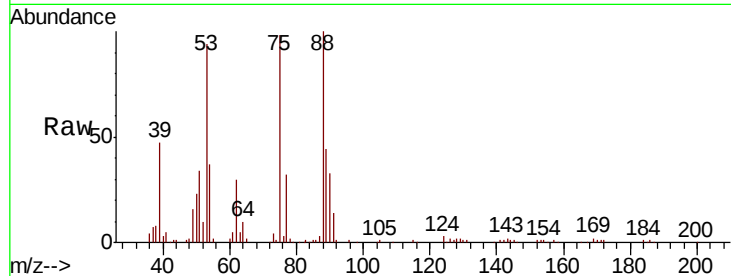
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	27347
Ion	Ratio	Lower	Upper
75	100		
53	96.9	80.2	120.2
89	46.0	39.8	59.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 53.279 ug/l

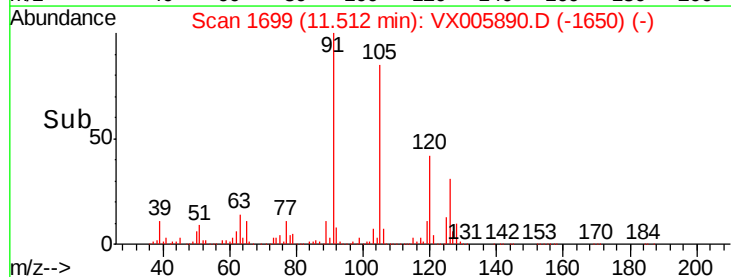
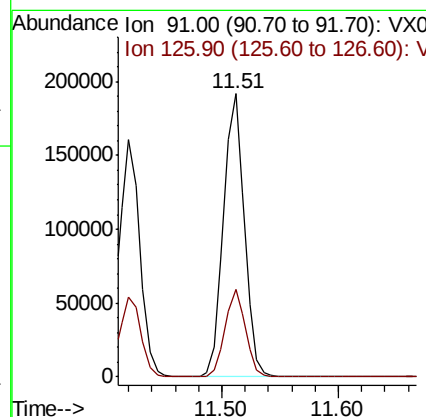
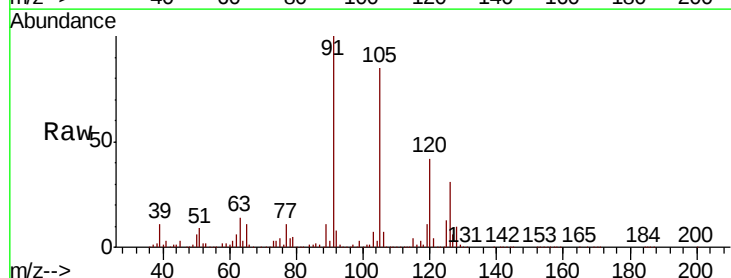
RT: 11.51 min Scan# 1699

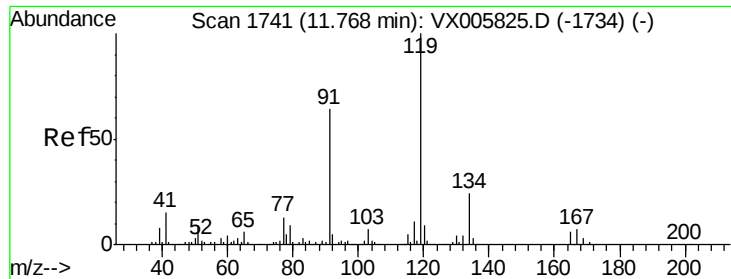
Delta R.T. -0.00 min

Lab File: VX005890.D

Acq: 10 Nov 2018 04:51

Tgt Ion:	91	Resp:	236434
Ion	Ratio	Lower	Upper
91	100		
126	30.1	15.2	45.6





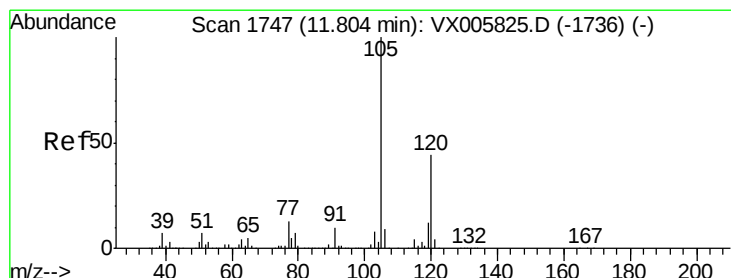
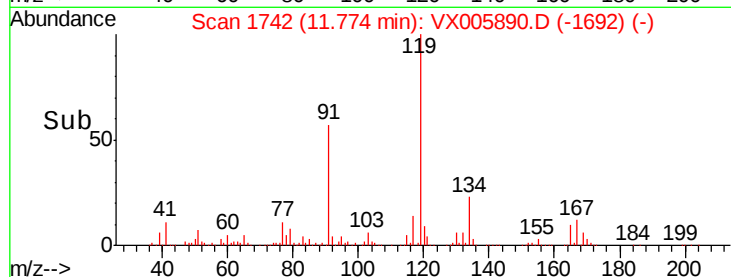
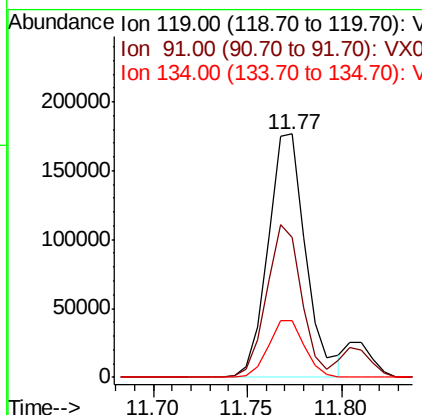
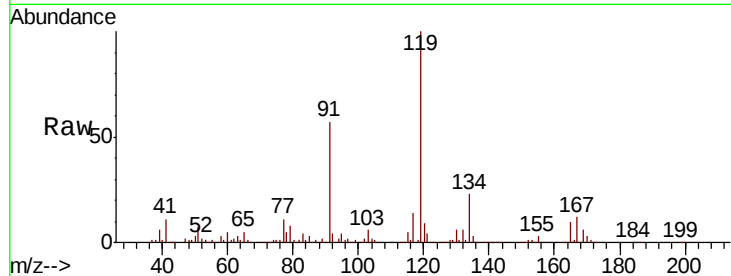
#83
tert-Butylbenzene
Concen: 53.881 ug/l
RT: 11.77 min Scan# 1742
Delta R.T. 0.01 min
Lab File: VX005890.D
Acq: 10 Nov 2018 04:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	57.9	28.5	85.5
134	22.5	11.3	33.8

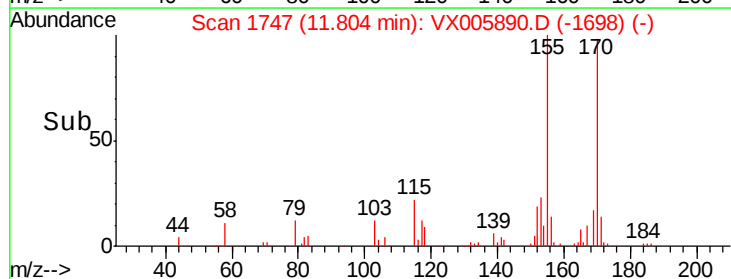
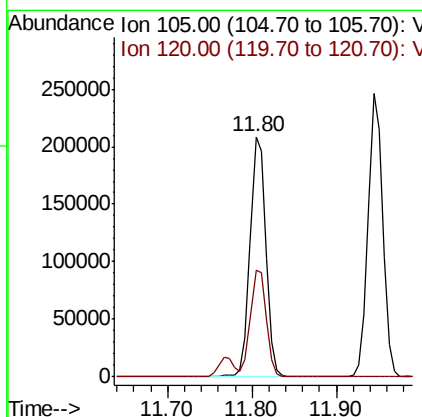
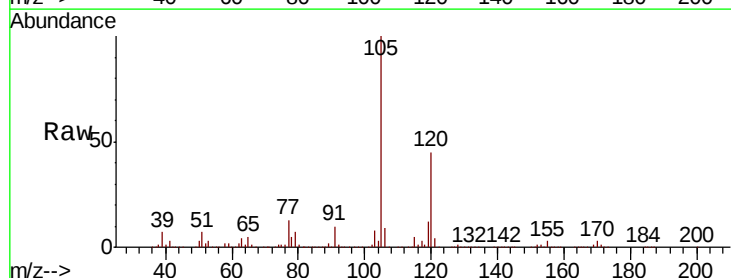
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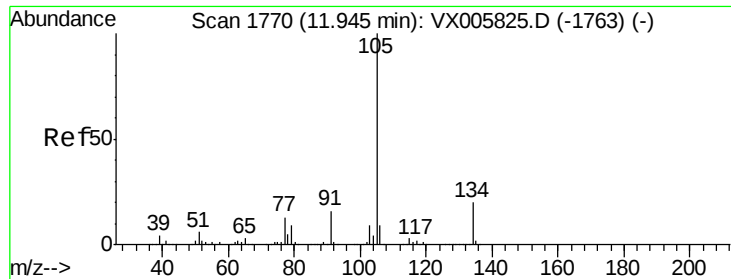
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#84
1,2,4-Trimethylbenzene
Concen: 52.264 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX005890.D
Acq: 10 Nov 2018 04:51

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.5	22.4	67.0





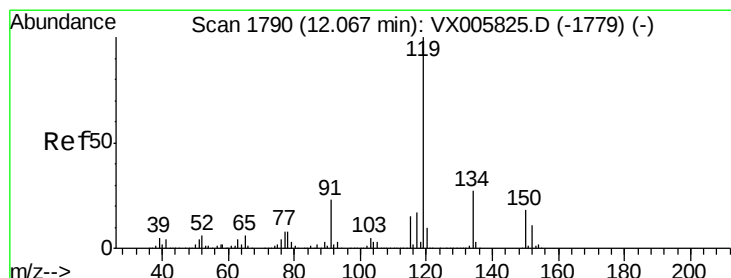
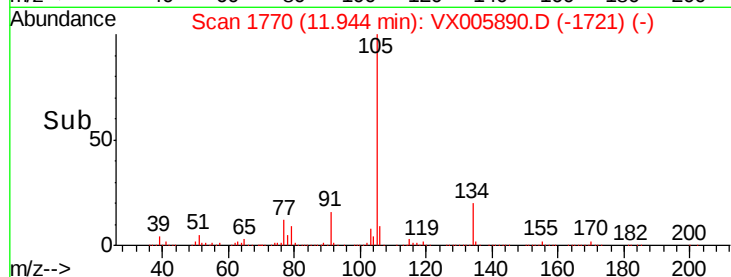
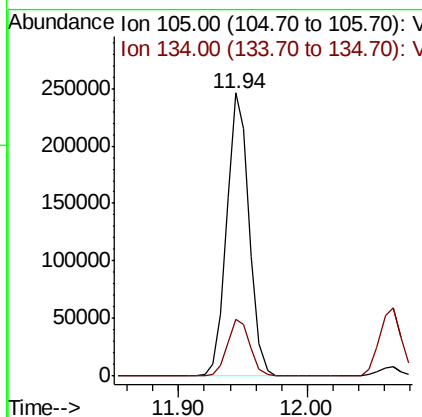
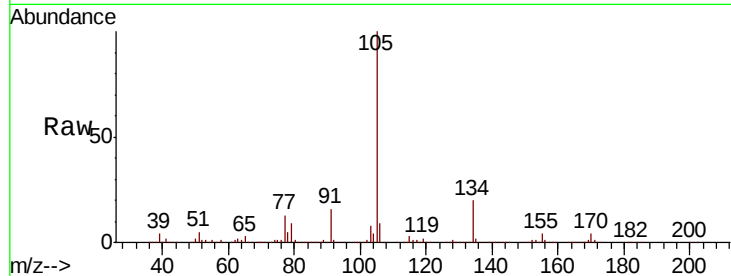
#85
 sec-Butylbenzene
 Concen: 53.978 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX005890.D
 Acq: 10 Nov 2018 04:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.2	10.2	30.4

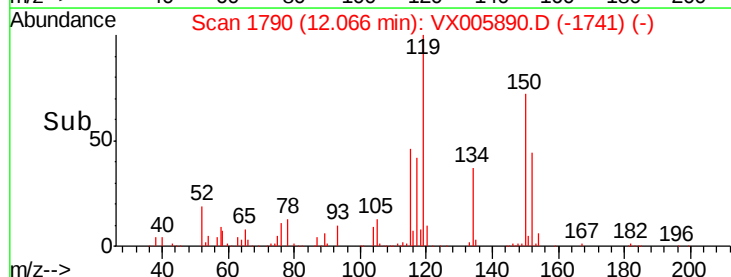
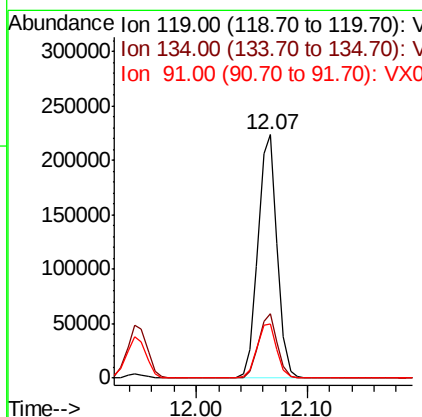
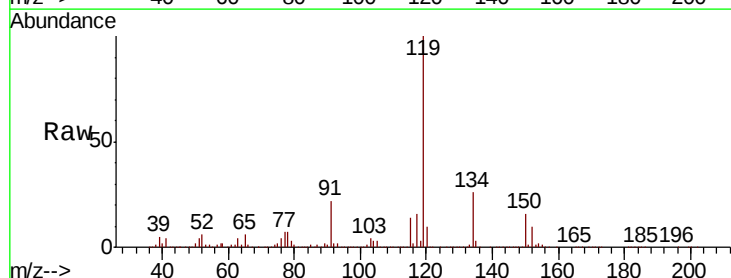
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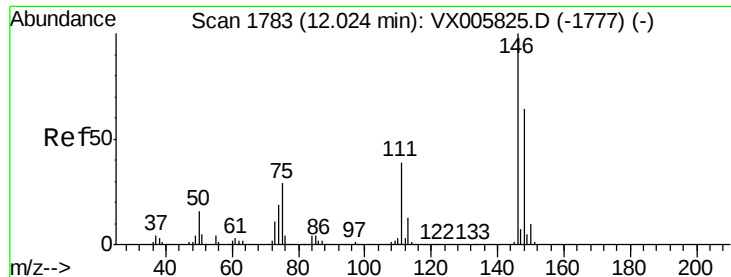
MMDadoda
 11/12/2018 9:12:18 AM



#86
 p-Isopropyltoluene
 Concen: 54.655 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VX005890.D
 Acq: 10 Nov 2018 04:51

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.0	39.0
91	22.9	11.4	34.2





#87

1,3-Dichlorobenzene

Concen: 49.767 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX005890.D

Acq: 10 Nov 2018 04:51

Instrument :

MSVOA_X

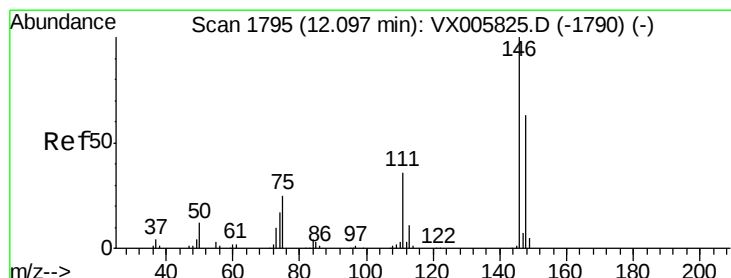
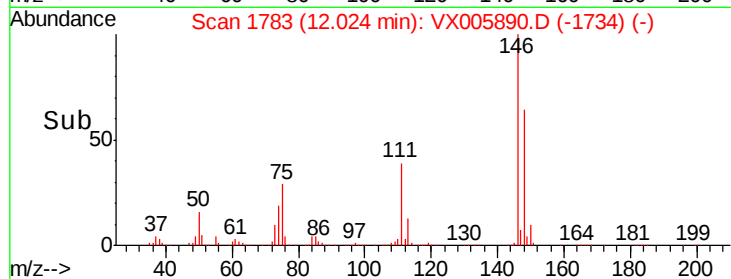
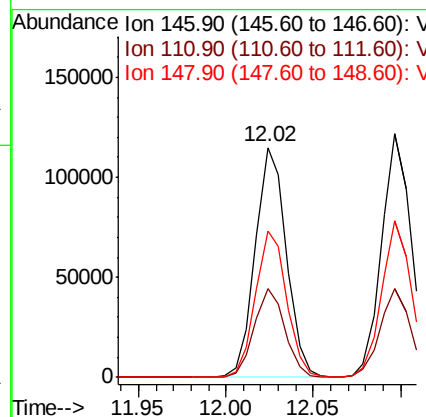
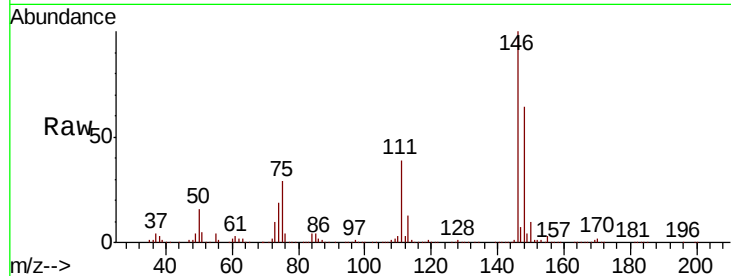
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	142298
Ion Ratio	Lower	Upper	
146	100		
111	38.1	19.0	57.0
148	63.6	31.9	95.9

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#88

1,4-Dichlorobenzene

Concen: 49.328 ug/l

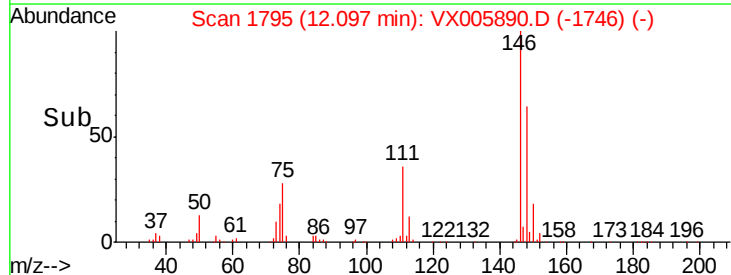
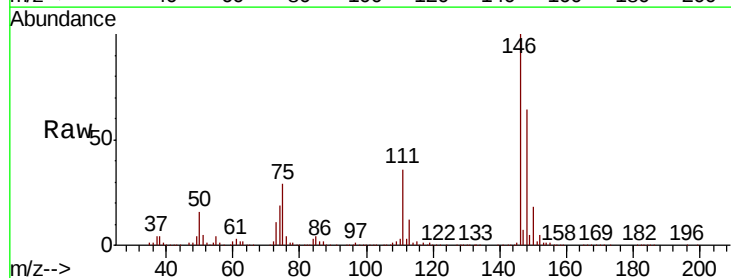
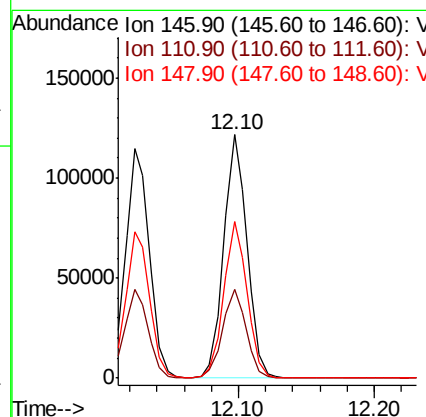
RT: 12.10 min Scan# 1795

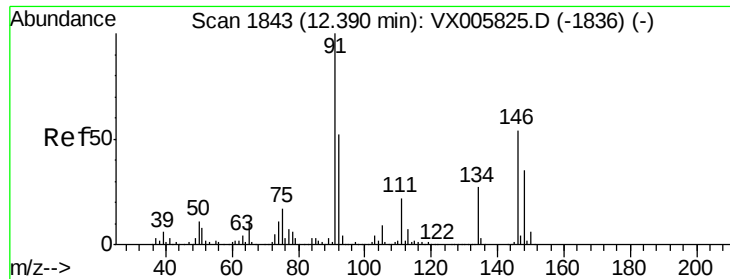
Delta R.T. -0.00 min

Lab File: VX005890.D

Acq: 10 Nov 2018 04:51

Tgt Ion:	146	Resp:	144388
Ion Ratio	Lower	Upper	
146	100		
111	37.0	18.6	55.8
148	64.1	32.1	96.3





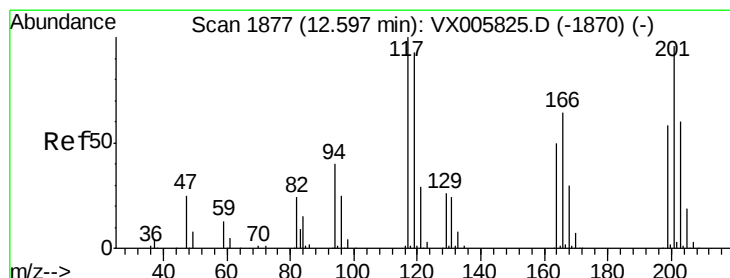
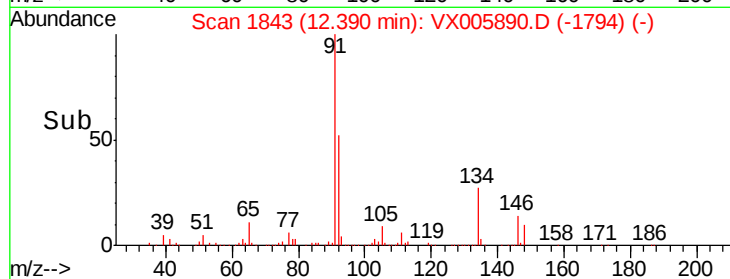
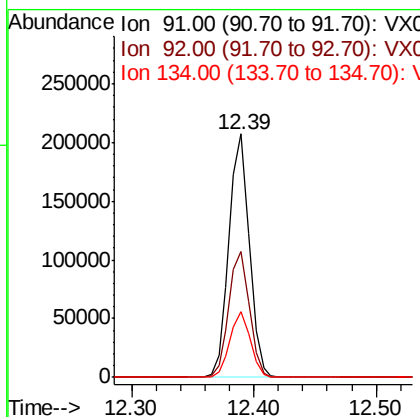
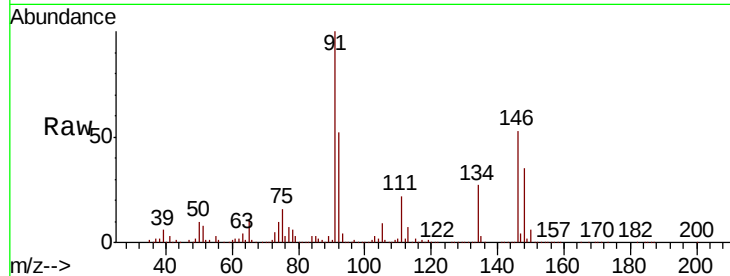
#89
n-Butylbenzene
Concen: 52.150 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005890.D
Acq: 10 Nov 2018 04:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.1	78.2
134	26.8	13.1	39.3

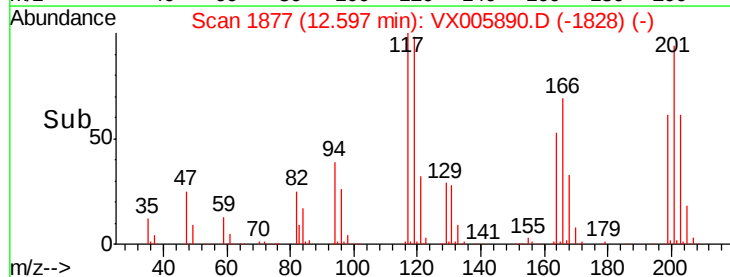
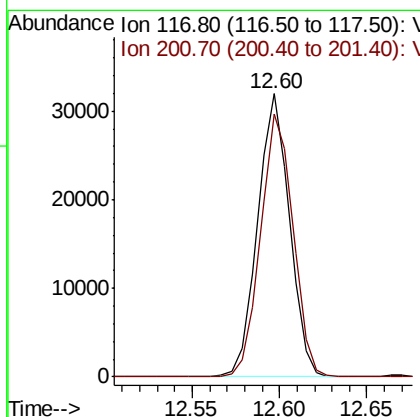
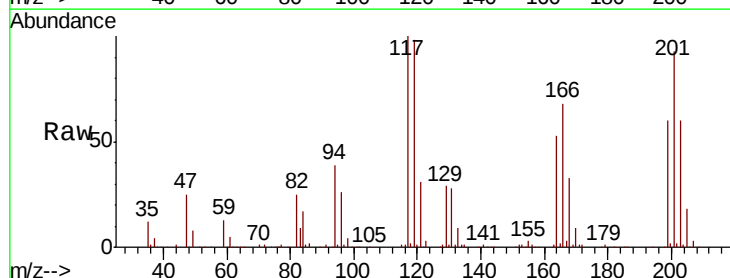
Manual Integrations
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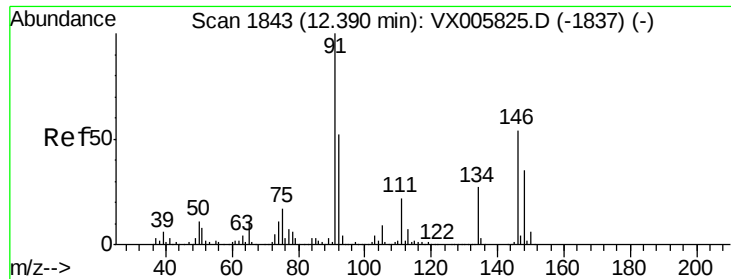
MMDadoda
11/12/2018 9:12:18 AM



#90
Hexachloroethane
Concen: 49.279 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX005890.D
Acq: 10 Nov 2018 04:51

Tgt Ion	Ratio	Lower	Upper
117	100		
201	94.5	47.9	143.6





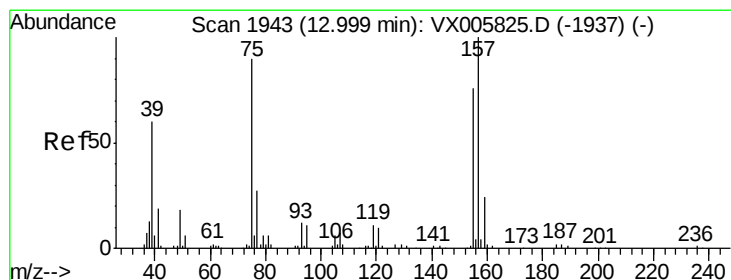
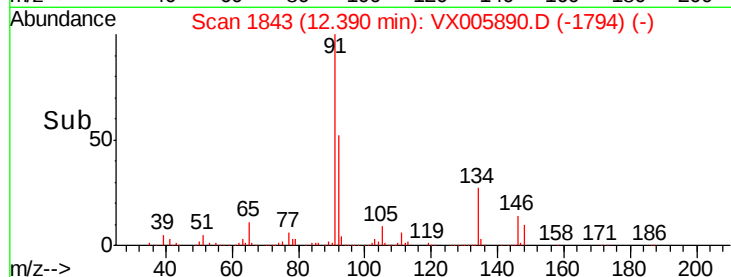
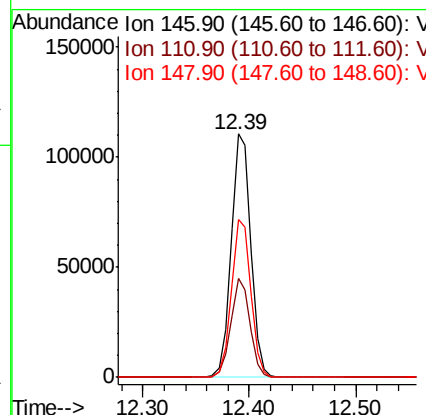
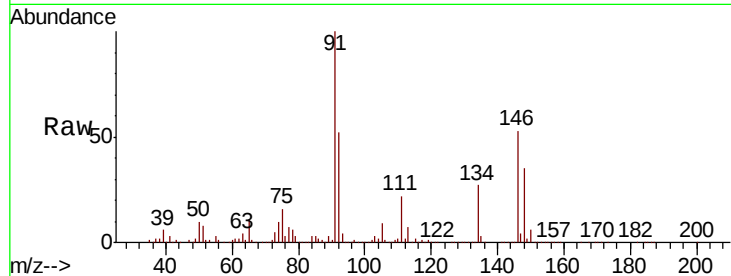
#91
 1,2-Dichlorobenzene
 Concen: 49.792 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX005890.D
 Acq: 10 Nov 2018 04:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.0	59.9
148	64.2	32.2	96.6

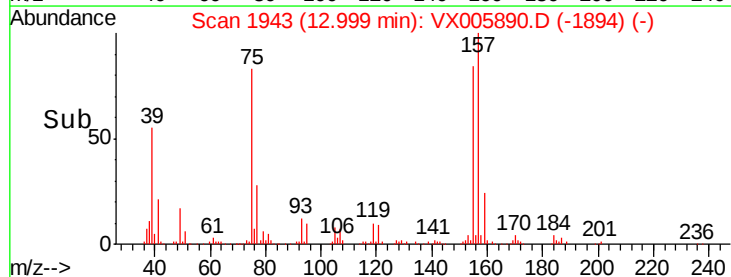
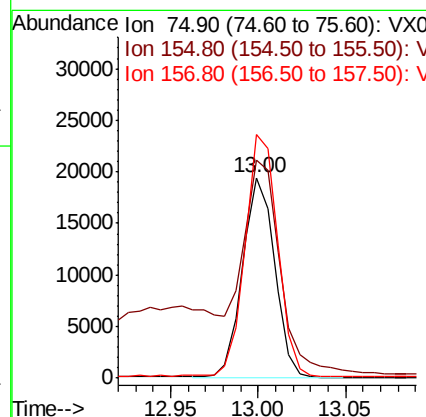
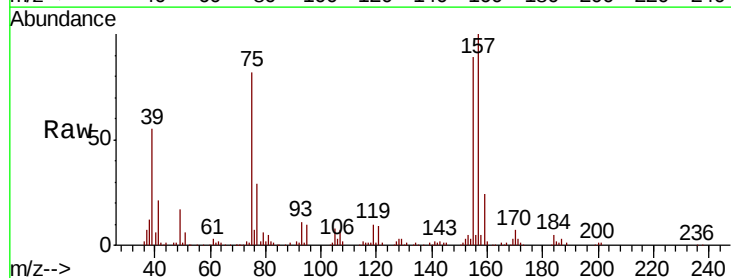
Manual Integrations
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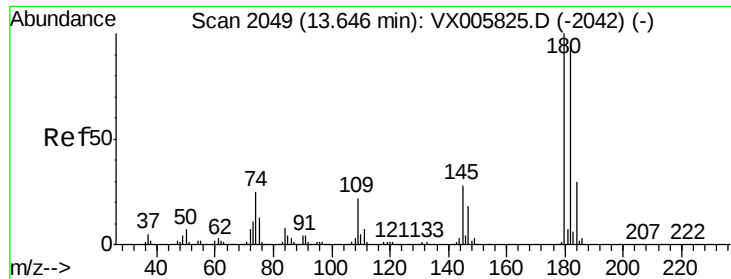
MMDadoda
 11/12/2018 9:12:18 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.028 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX005890.D
 Acq: 10 Nov 2018 04:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	125.7	45.4	136.1
157	120.7	57.4	172.0





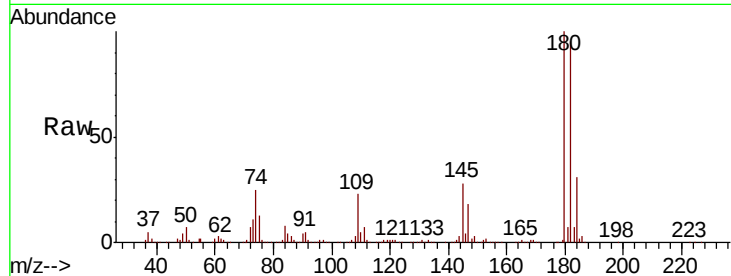
#93
 1,2,4-Trichlorobenzene
 Concen: 54.908 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX005890.D
 Acq: 10 Nov 2018 04:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.6	142.8
145	28.5	14.1	42.2

Manual Integrations
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 11/12/2018 9:12:18 AM

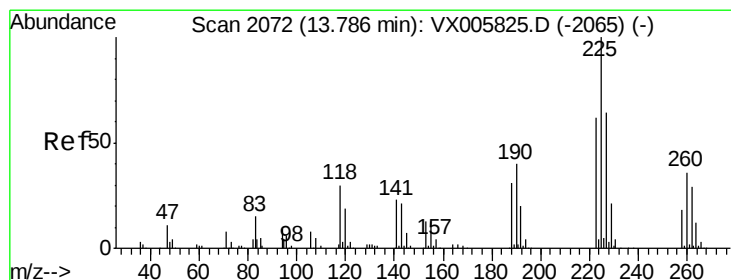
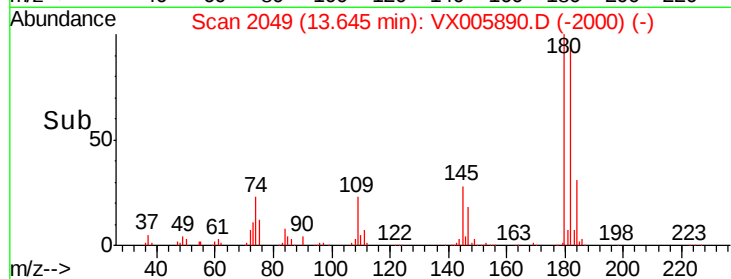
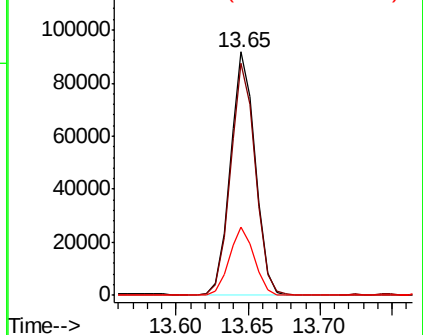


Abundance

Ion 179.80 (179.50 to 180.50): V

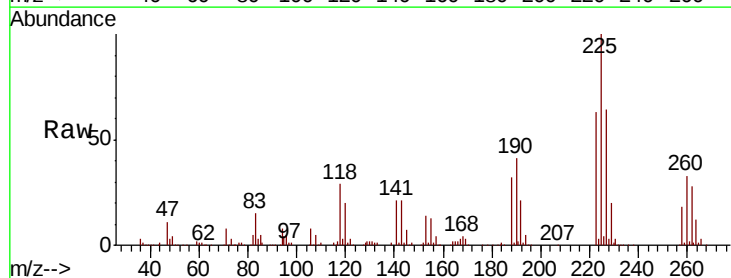
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 47.487 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX005890.D
 Acq: 10 Nov 2018 04:51

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.7	95.1
227	64.8	32.3	96.9

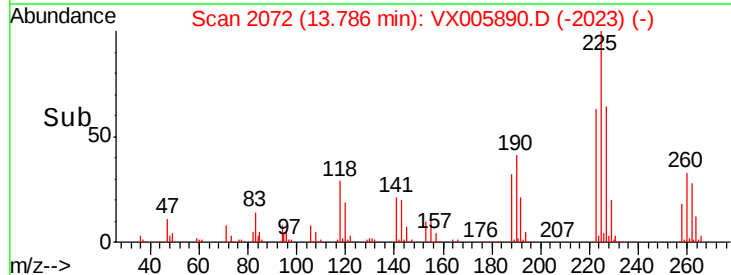
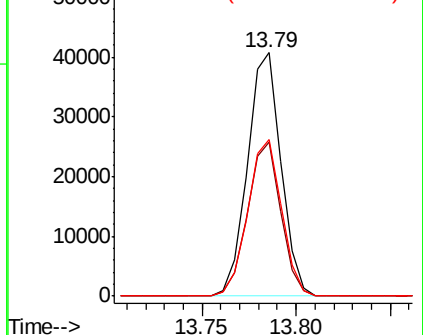


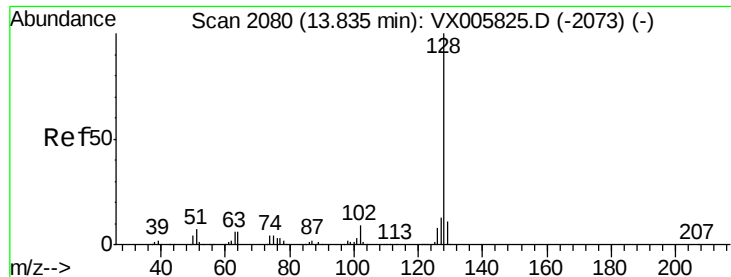
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





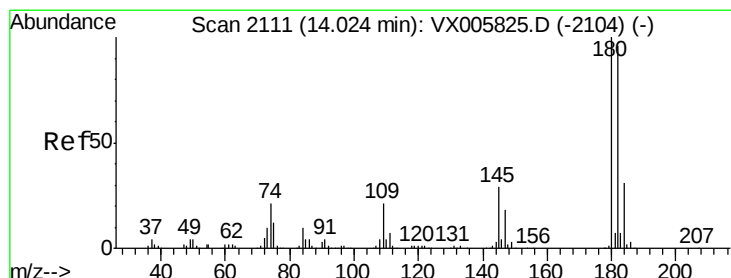
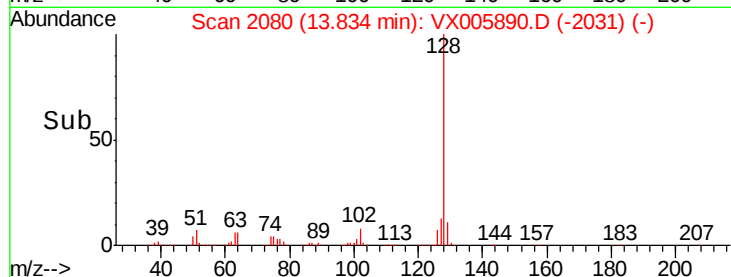
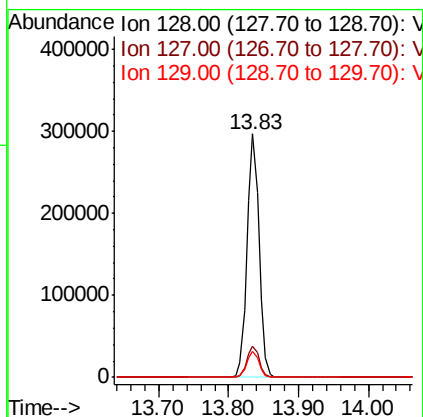
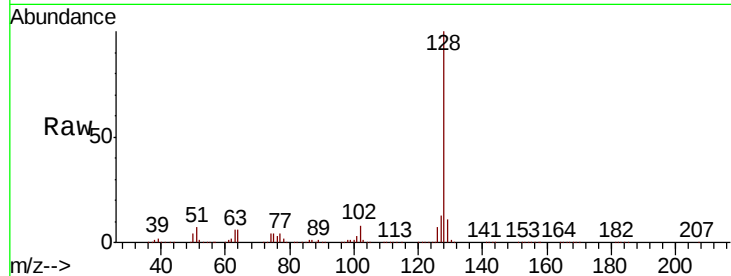
#95
Naphthalene
Concen: 53.750 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX005890.D
Acq: 10 Nov 2018 04:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.9	8.7	13.1

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#96
1,2,3-Trichlorobenzene
Concen: 53.581 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. -0.00 min
Lab File: VX005890.D
Acq: 10 Nov 2018 04:51

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	48.0	144.2
145	30.2	15.1	45.3

