

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX111418\
 Data File : VX005990.D
 Acq On : 14 Nov 2018 22:48
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/15/2018 1:03:47 PM

Quant Time: Nov 15 06:21:03 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	115758	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	165761	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	154235	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	84483	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	65273	49.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.10%	
35) Dibromofluoromethane	5.51	113	52624	46.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.36%	
50) Toluene-d8	8.71	98	194770	51.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.92%	
62) 4-Bromofluorobenzene	11.14	95	72623	53.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.78%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.20	85	46779	44.82	ug/l	90
3) Chloromethane	1.32	50	60380	44.08	ug/l	99
4) Vinyl Chloride	1.41	62	62318	45.32	ug/l	100
5) Bromomethane	1.64	94	37796	44.92	ug/l	99
6) Chloroethane	1.71	64	39523	48.17	ug/l	98
7) Trichlorofluoromethane	1.92	101	88279	48.37	ug/l	96
8) Diethyl Ether	2.19	74	36728	51.35	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	50634	48.23	ug/l	99
10) Methyl Iodide	2.51	142	63227	49.70	ug/l	96
11) Tert butyl alcohol	3.07	59	92541	242.75	ug/l	99
12) 1,1-Dichloroethene	2.37	96	48011	46.92	ug/l	95
13) Acrolein	2.29	56	54446	295.73	ug/l	99
14) Allyl chloride	2.73	41	111670	48.87	ug/l	98
15) Acrylonitrile	3.15	53	204151	258.40	ug/l	99
16) Acetone	2.45	43	175358	244.73	ug/l	98
17) Carbon Disulfide	2.57	76	141055	46.22	ug/l	98
18) Methyl Acetate	2.78	43	106925	55.86	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	187074	53.57	ug/l	93
20) Methylene Chloride	2.85	84	58312	49.54	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	53838	49.89	ug/l	88
22) Diisopropyl ether	3.87	45	214426	53.56	ug/l	94
23) Vinyl Acetate	3.82	43	855725	249.31	ug/l	98
24) 1,1-Dichloroethane	3.70	63	108824	50.95	ug/l	97
25) 2-Butanone	4.70	43	281902	250.25	ug/l	97
26) 2,2-Dichloropropane	4.59	77	74741	47.71	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	61686	51.77	ug/l	97
28) Bromochloromethane	5.02	49	52625	55.13	ug/l	98
29) Tetrahydrofuran	5.16	42	187447	259.16	ug/l	98
30) Chloroform	5.21	83	103370	50.17	ug/l	99
31) Cyclohexane	5.57	56	89987	48.54	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	85038	49.48	ug/l	98
36) 1,1-Dichloropropene	5.80	75	72194	45.18	ug/l	97
37) Ethyl Acetate	4.85	43	104380	49.67	ug/l	100
38) Carbon Tetrachloride	5.77	117	75994	47.50	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	82964	51.23	ug/l	87
40) Benzene	6.15	78	230001	49.37	ug/l	100
41) Methacrylonitrile	5.06	41	55479	48.86	ug/l	97
42) 1,2-Dichloroethane	6.19	62	81086	48.60	ug/l	100
43) Isopropyl Acetate	6.46	43	148197	48.67	ug/l	98
44) Trichloroethene	7.21	130	57389	48.51	ug/l	99
45) 1,2-Dichloropropane	7.52	63	58474	51.72	ug/l	98
46) Dibromomethane	7.66	93	37150	52.36	ug/l	99
47) Bromodichloromethane	7.90	83	72614	54.15	ug/l	99
48) Methyl methacrylate	7.77	41	75603	55.30	ug/l	99
49) 1,4-Dioxane	7.75	88	31654	1074.41	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	505164	263.24	ug/l	99
52) Toluene	8.79	92	131095	50.35	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	79146	50.02	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	87006	53.95	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	55323	47.68	ug/l	99
56) Ethyl methacrylate	9.18	69	89550	51.58	ug/l	98
57) 1,3-Dichloropropane	9.37	76	93167	47.78	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	243490	257.13	ug/l	100
59) 2-Hexanone	9.49	43	400401	236.71	ug/l	98
60) Dibromochloromethane	9.59	129	58605	46.73	ug/l	98
61) 1,2-Dibromoethane	9.67	107	57398	44.73	ug/l	99
64) Tetrachloroethene	9.34	164	59048	44.97	ug/l	98
65) Chlorobenzene	10.14	112	149294	48.32	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	54845	51.06	ug/l	98
67) Ethyl Benzene	10.25	91	257192	51.91	ug/l	100
68) m/p-Xylenes	10.36	106	196603	104.03	ug/l	100
69) o-Xylene	10.70	106	95106	56.12	ug/l	99
70) Styrene	10.71	104	159763	57.15	ug/l	100
71) Bromoform	10.86	173	48835	54.23	ug/l #	99
73) Isopropylbenzene	11.02	105	261757	53.58	ug/l	99
74) N-amyl acetate	10.90	43	133374	48.69	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	91031	50.76	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	88222m	51.28	ug/l	
77) Bromobenzene	11.26	156	68988	50.10	ug/l	99
78) n-propylbenzene	11.36	91	298847	51.90	ug/l	100
79) 2-Chlorotoluene	11.42	91	179613	51.61	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	219967	52.98	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	27434	50.83	ug/l	97
82) 4-Chlorotoluene	11.51	91	210693	51.37	ug/l	100
83) tert-Butylbenzene	11.77	119	218553	52.03	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	228370	49.84	ug/l	100
85) sec-Butylbenzene	11.94	105	263237	51.25	ug/l	100
86) p-Isopropyltoluene	12.07	119	235165	51.69	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	126753	47.96	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	127643	47.18	ug/l	99
89) n-Butylbenzene	12.39	91	203932	48.36	ug/l	100
90) Hexachloroethane	12.60	117	39221	51.64	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	128658	48.60	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	22839	52.19	ug/l	99

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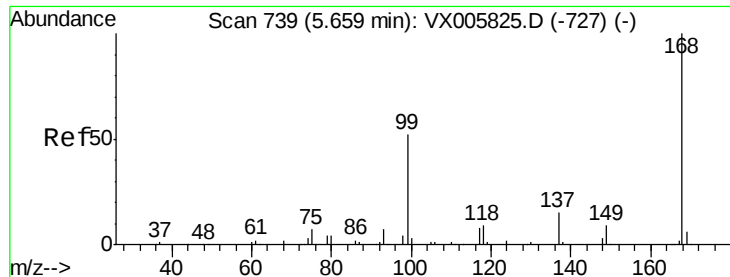
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	93208	50.01	ug/l	100
94) Hexachlorobutadiene	13.79	225	43720	44.66	ug/l	99
95) Naphthalene	13.83	128	294917	48.56	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	95522	50.31	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

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Acq: 14 Nov 2018 22:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:168 Resp: 115758

Ion Ratio Lower Upper

168 100

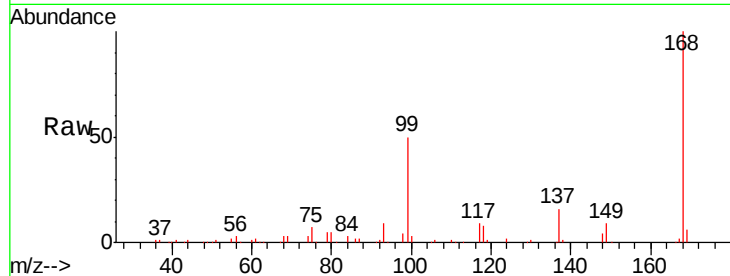
99 50.4 40.7 61.1

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

40000

30000

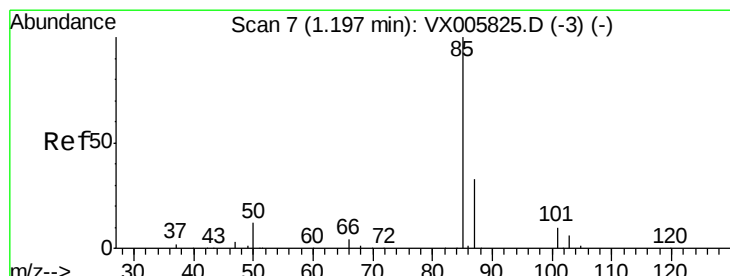
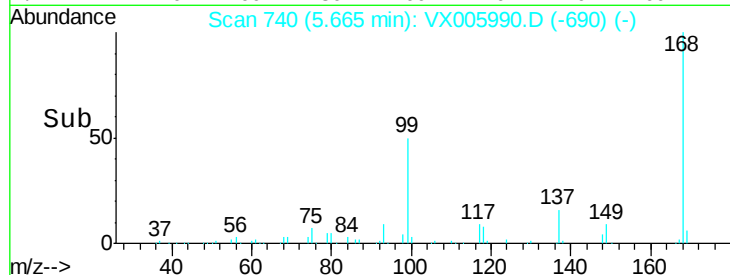
20000

10000

0

5.50 5.60 5.70 5.80 5.90

Time-->



#2

Dichlorodifluoromethane

Concen: 44.82 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX005990.D

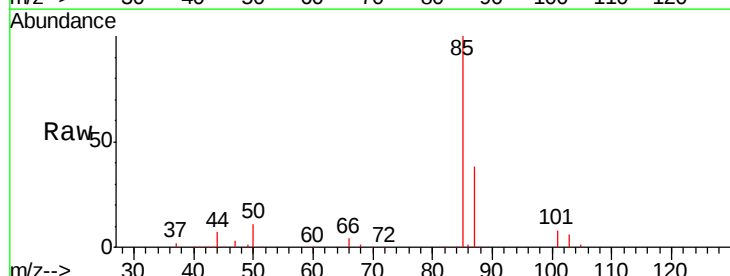
Acq: 14 Nov 2018 22:48

Tgt Ion: 85 Resp: 46779

Ion Ratio Lower Upper

85 100

87 38.2 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

50000

40000

30000

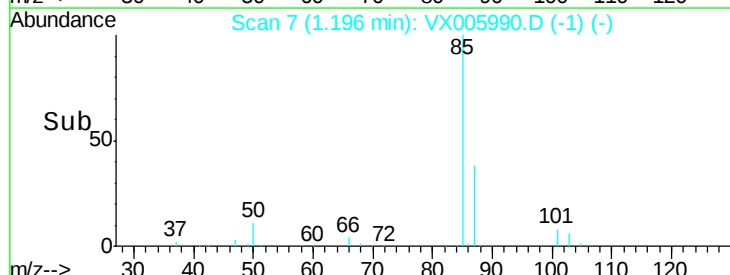
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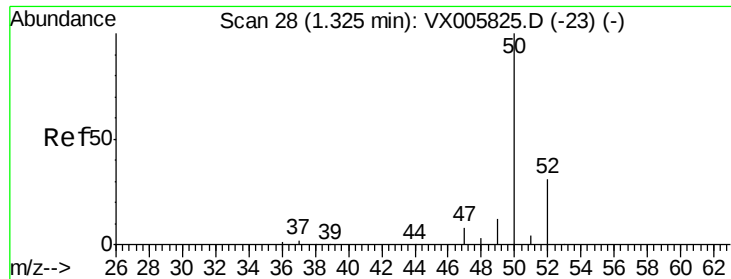
10000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 44.08 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005990.D

Acq: 14 Nov 2018 22:48

Instrument :

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ClientSampleId :

VSTDCCC050

Tgt Ion: 50 Resp: 60380

Ion Ratio Lower Upper

50 100

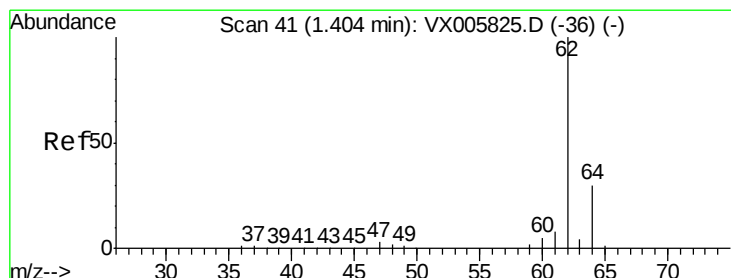
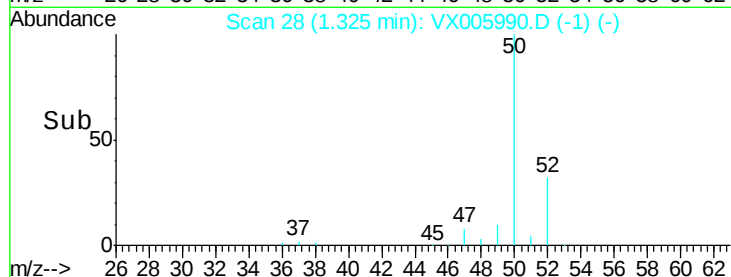
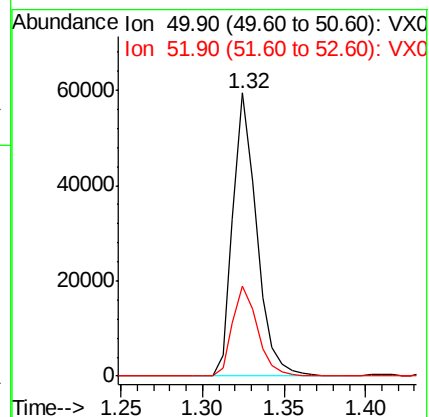
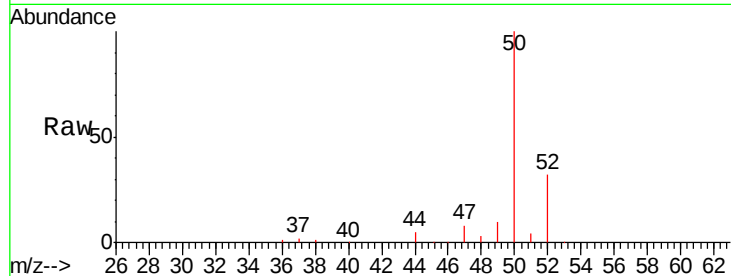
52 31.9 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 45.32 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX005990.D

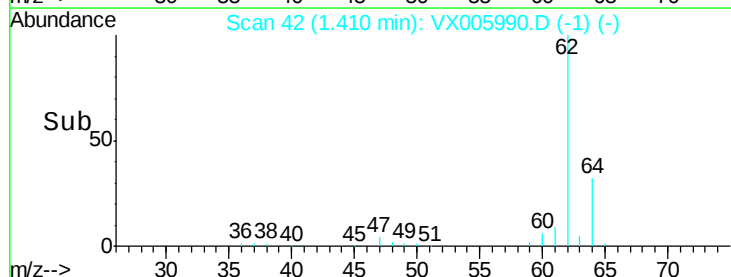
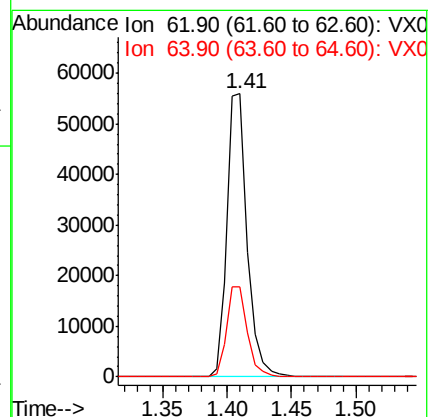
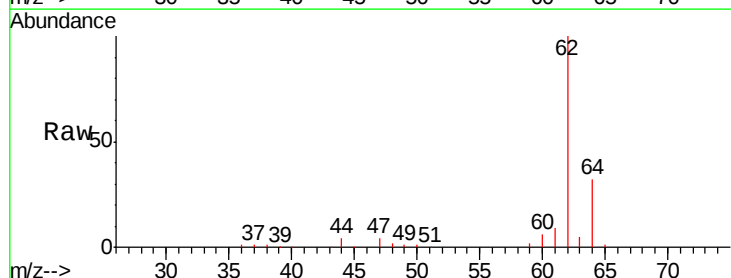
Acq: 14 Nov 2018 22:48

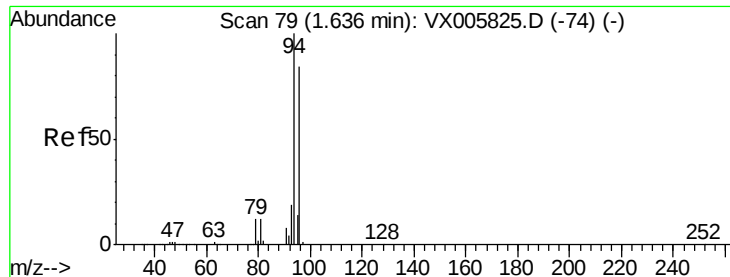
Tgt Ion: 62 Resp: 62318

Ion Ratio Lower Upper

62 100

64 31.8 25.3 37.9





#5

Bromomethane

Concen: 44.92 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX005990.D

Acq: 14 Nov 2018 22:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 94 Resp: 37796

Ion Ratio Lower Upper

94 100

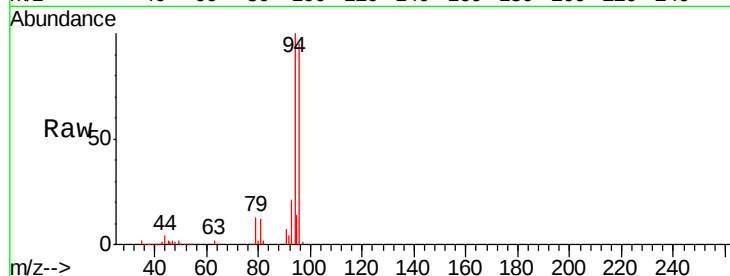
96 95.4 75.2 112.8

Manual Integrations

APPROVED

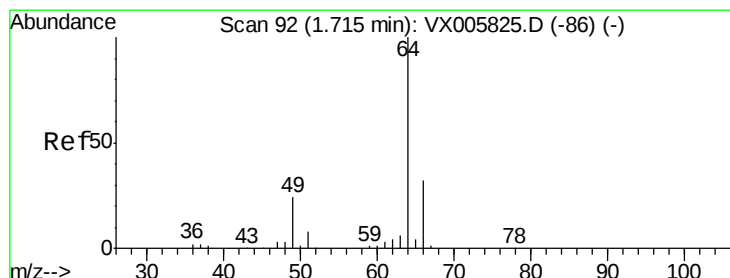
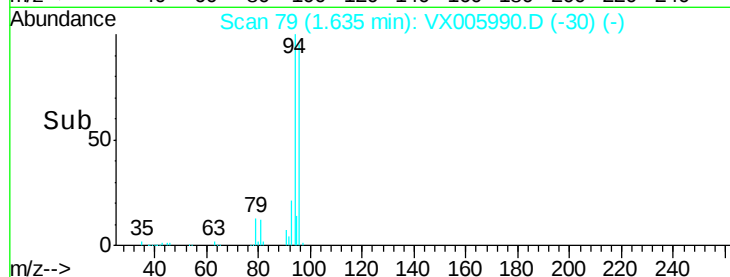
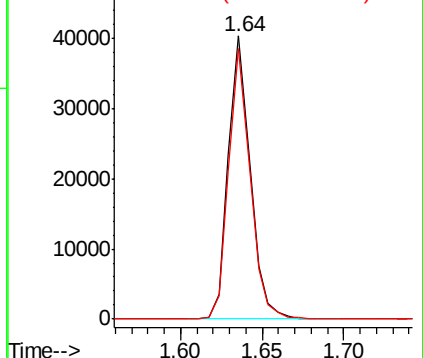
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 48.17 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX005990.D

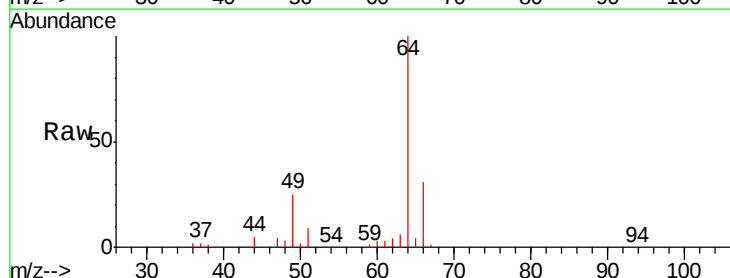
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Tgt Ion: 64 Resp: 39523

Ion Ratio Lower Upper

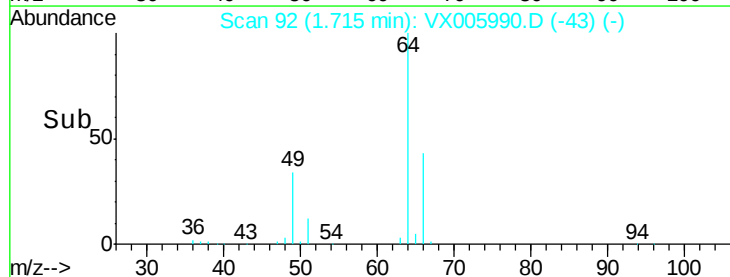
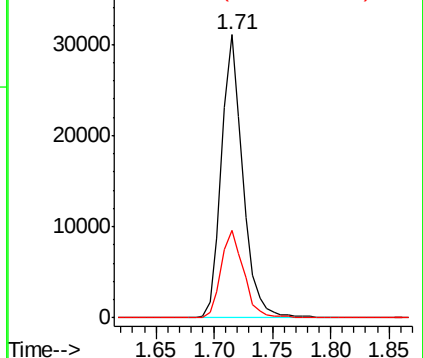
64 100

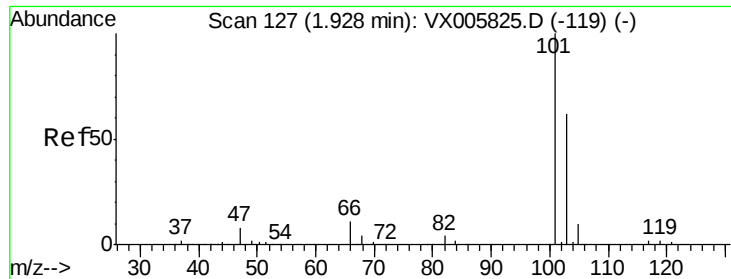
66 30.8 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

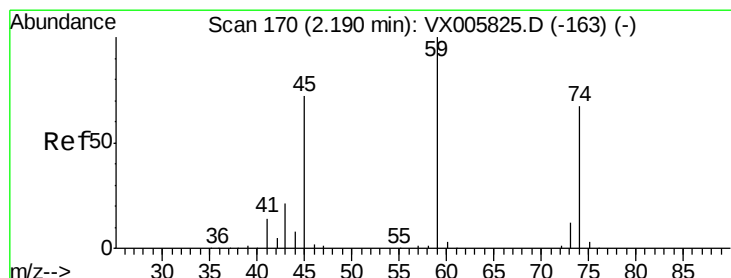
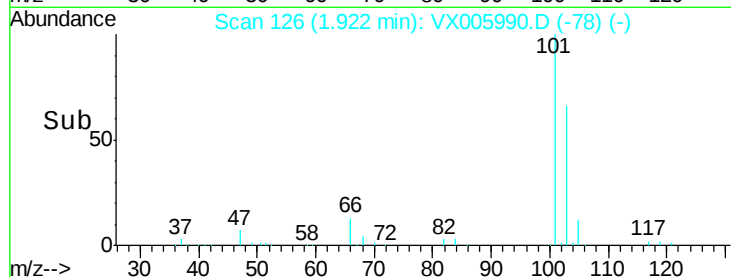
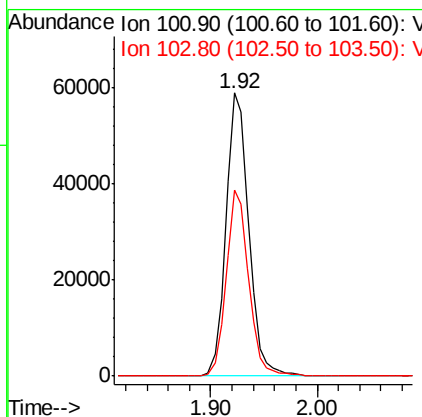
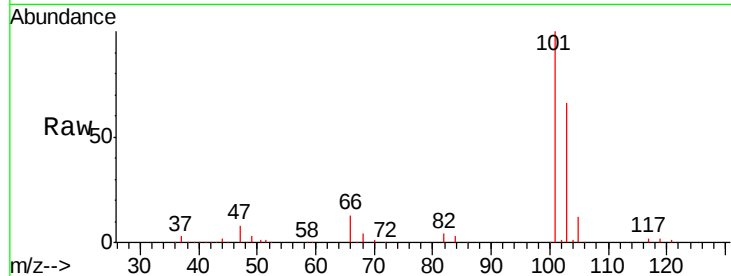
Trichlorofluoromethane
 Concen: 48.37 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. -0.01 min
 Lab File: VX005990.D
 Acq: 14 Nov 2018 22:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 101 Resp: 88279
 Ion Ratio Lower Upper
 101 100
 103 65.6 50.0 75.0

Manual Integrations
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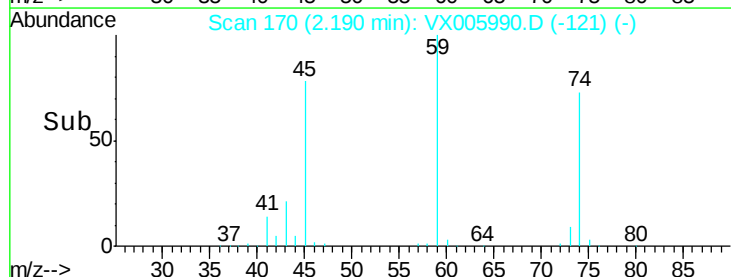
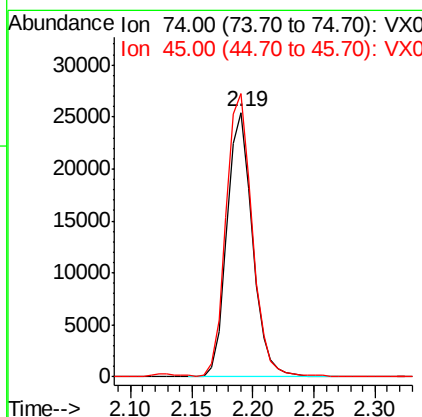
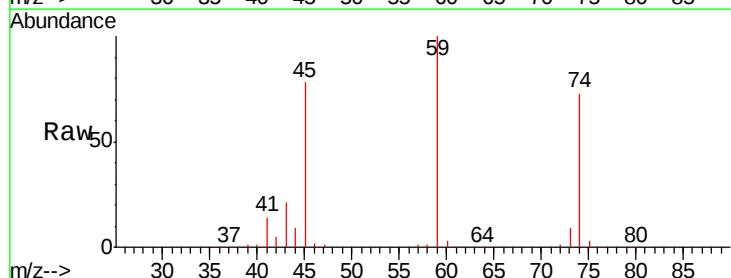
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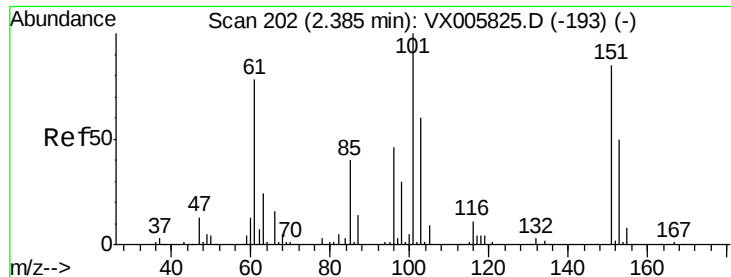


#8

Diethyl Ether
 Concen: 51.35 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX005990.D
 Acq: 14 Nov 2018 22:48

Tgt Ion: 74 Resp: 36728
 Ion Ratio Lower Upper
 74 100
 45 108.5 54.1 162.3





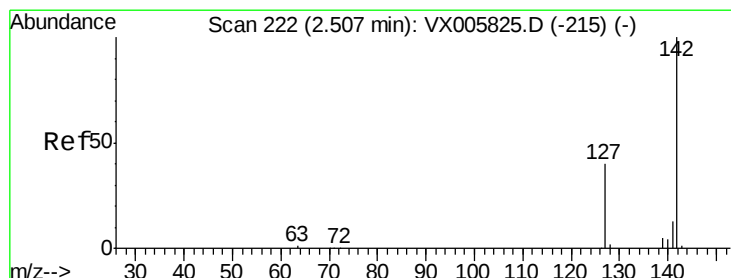
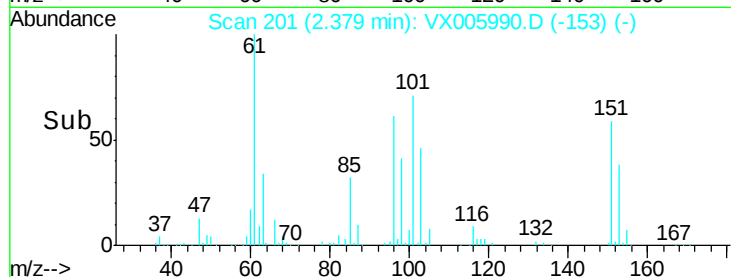
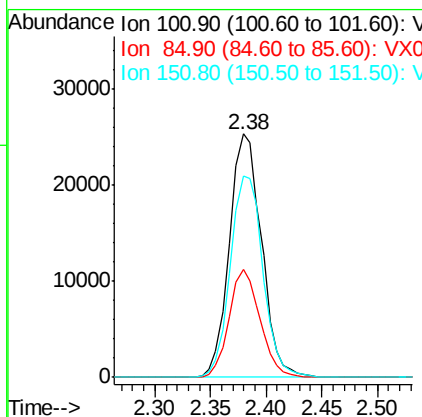
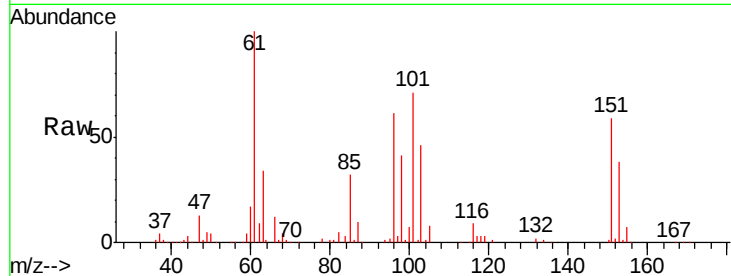
#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.23 ug/l
RT: 2.38 min Scan# 201
Delta R.T. -0.01 min
Lab File: VX005990.D
Acq: 14 Nov 2018 22:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	50634		
85	42.8	35.0	52.4	
151	84.0	66.2	99.2	

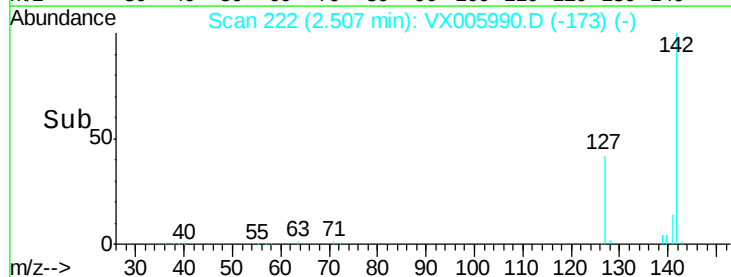
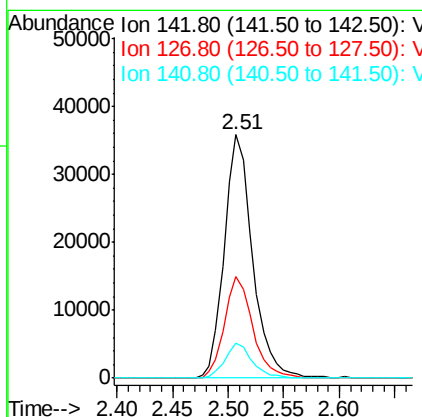
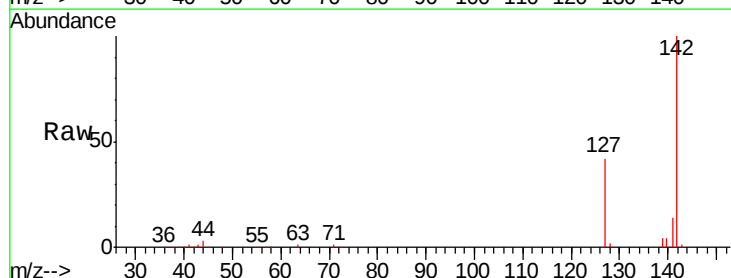
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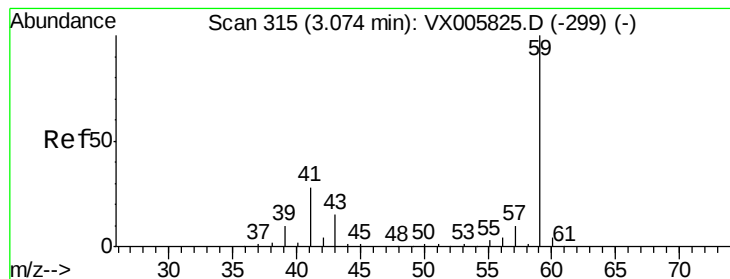
MMDadoda
11/15/2018 1:03:47 PM



#10
Methyl Iodide
Concen: 49.70 ug/l
RT: 2.51 min Scan# 222
Delta R.T. -0.00 min
Lab File: VX005990.D
Acq: 14 Nov 2018 22:48

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	63227		
127	41.7	36.0	54.0	
141	13.8	11.7	17.5	





#11

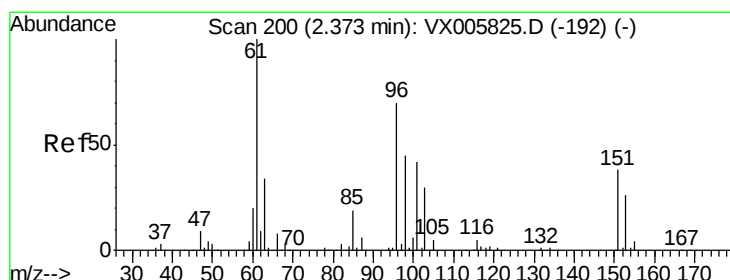
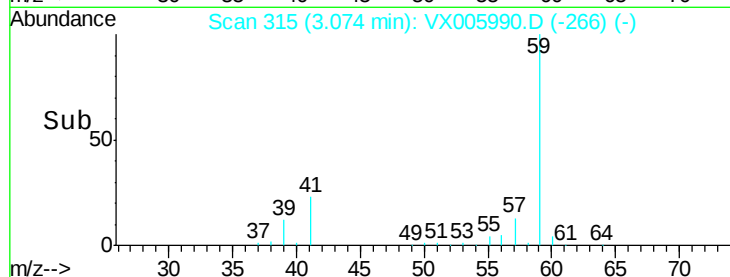
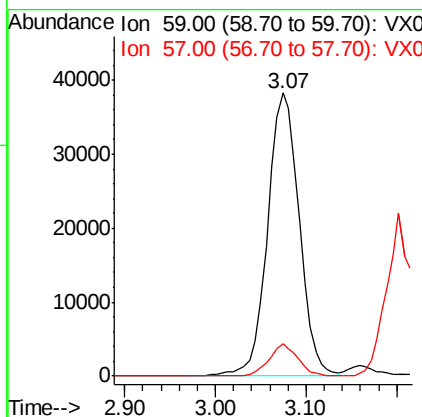
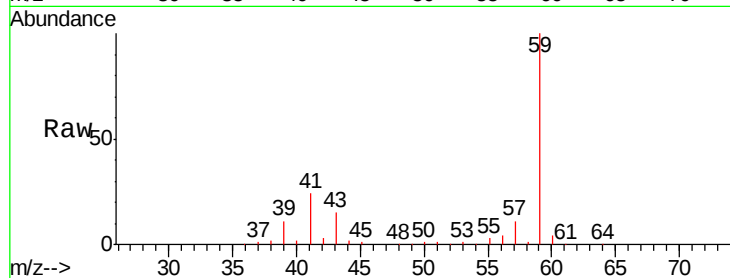
Tert butyl alcohol
Concen: 242.75 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.00 min
Lab File: VX005990.D
Acq: 14 Nov 2018 22:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.5	12.7

Manual Integrations
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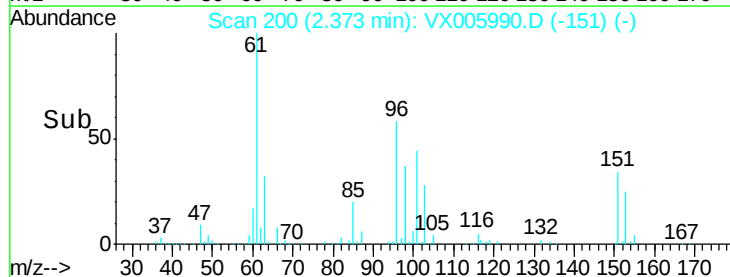
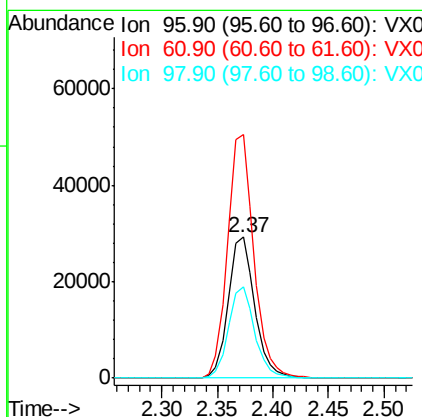
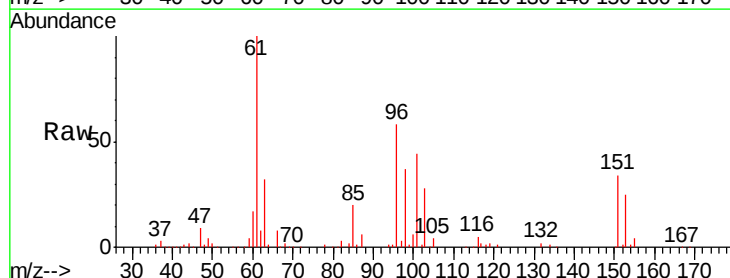
MMDadoda
11/15/2018 1:03:47 PM

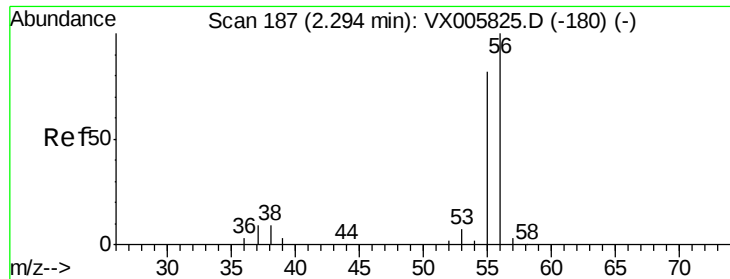


#12

1,1-Dichloroethene
Concen: 46.92 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX005990.D
Acq: 14 Nov 2018 22:48

Tgt Ion	Ratio	Lower	Upper
96	100		
61	173.1	131.8	197.8
98	64.8	53.4	80.2





#13

Acrolein

Concen: 295.73 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX005990.D

Acq: 14 Nov 2018 22:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 54446

Ion Ratio Lower Upper

56 100

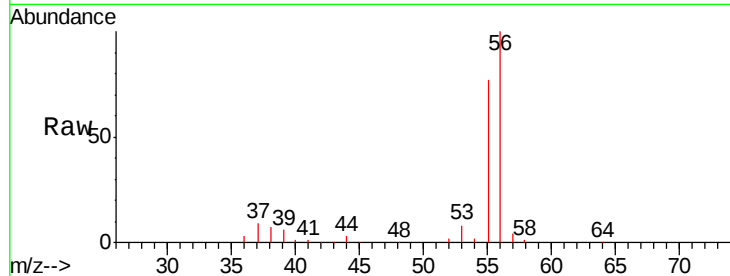
55 71.2 57.3 85.9

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

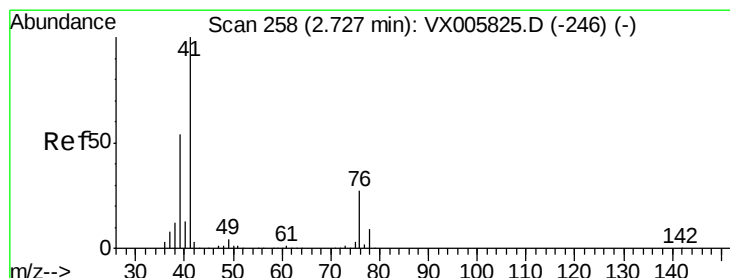
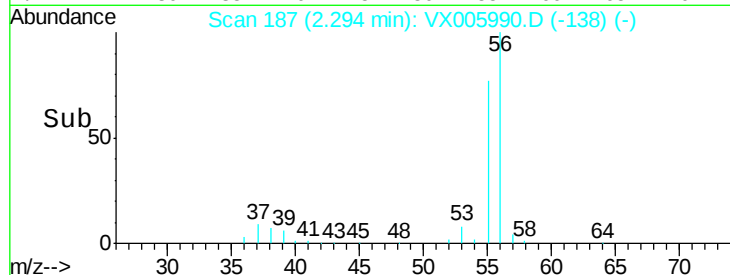
30000

20000

10000

0

Time-->



#14

Allyl chloride

Concen: 48.87 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX005990.D

Acq: 14 Nov 2018 22:48

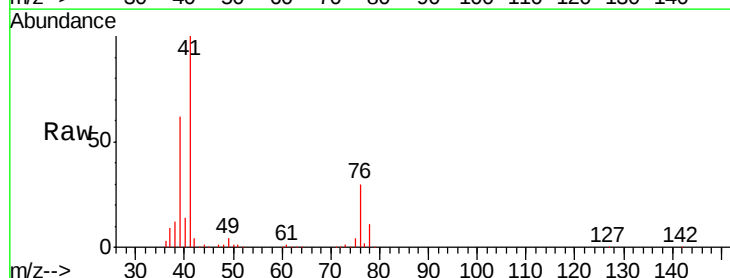
Tgt Ion: 41 Resp: 111670

Ion Ratio Lower Upper

41 100

39 59.7 48.2 72.4

76 29.8 21.9 32.9



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

80000

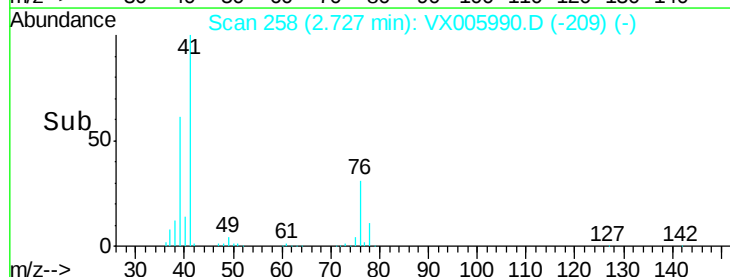
60000

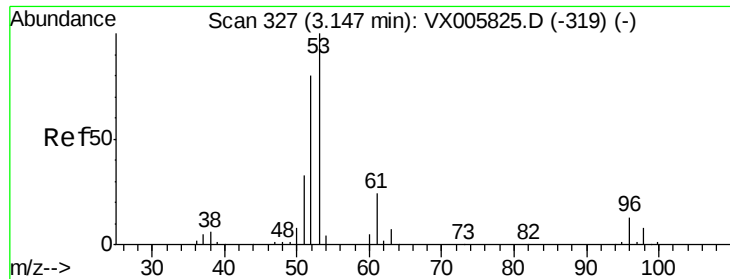
40000

20000

0

Time-->





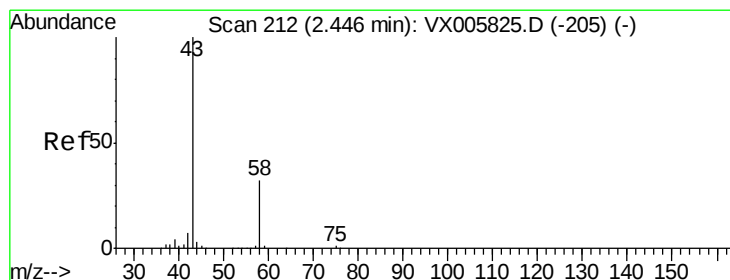
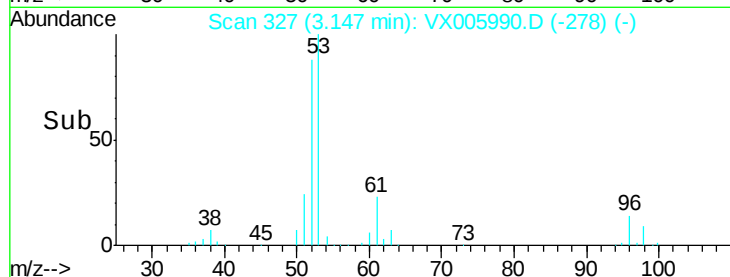
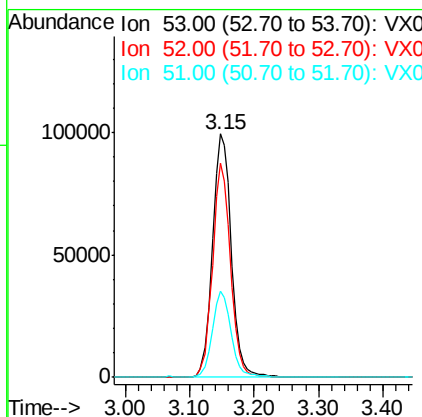
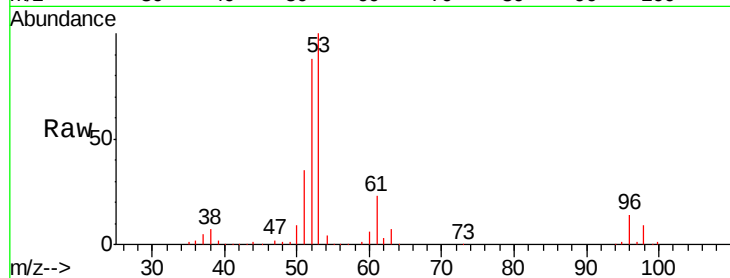
#15
 Acrylonitrile
 Concen: 258.40 ug/l
 RT: 3.15 min Scan# 327
 Delta R.T. -0.00 min
 Lab File: VX005990.D
 Acq: 14 Nov 2018 22:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
53	100		
52	84.2	66.6	99.8
51	35.4	28.4	42.6

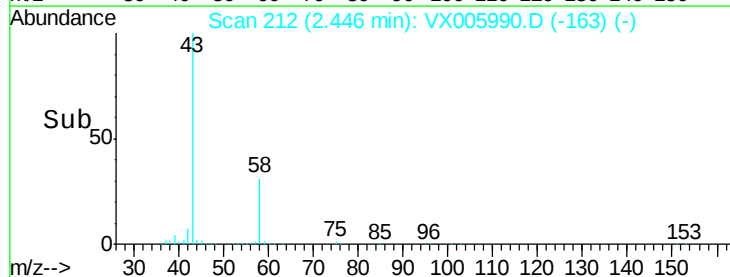
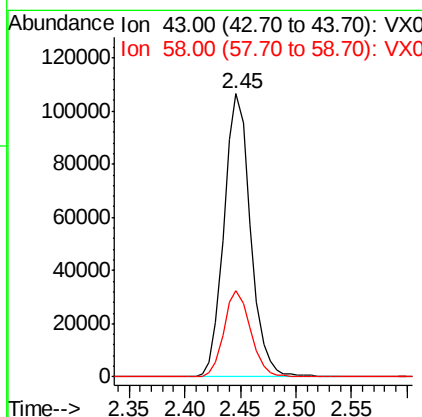
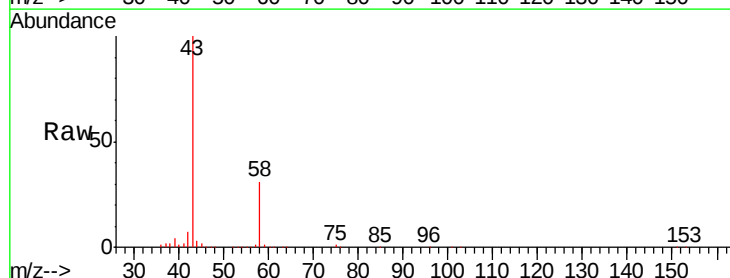
Manual Integrations
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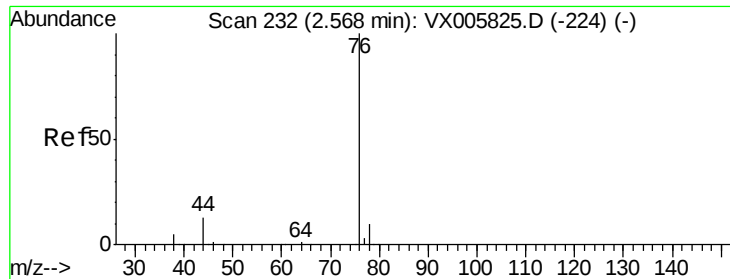
MMDadoda
 11/15/2018 1:03:47 PM



#16
 Acetone
 Concen: 244.73 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VX005990.D
 Acq: 14 Nov 2018 22:48

Tgt Ion	Ratio	Lower	Upper
43	100		
58	30.7	23.8	35.6





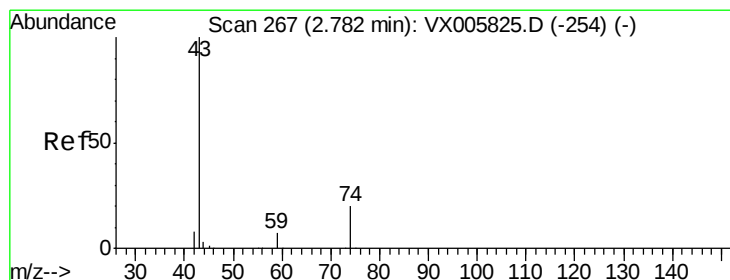
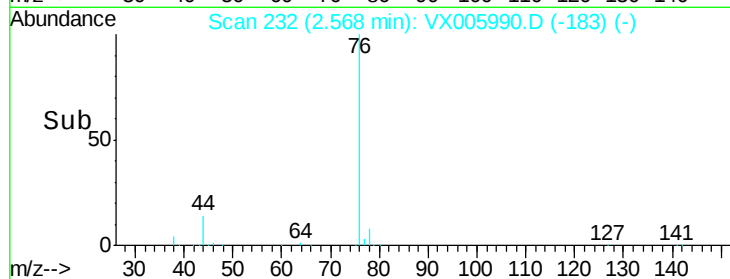
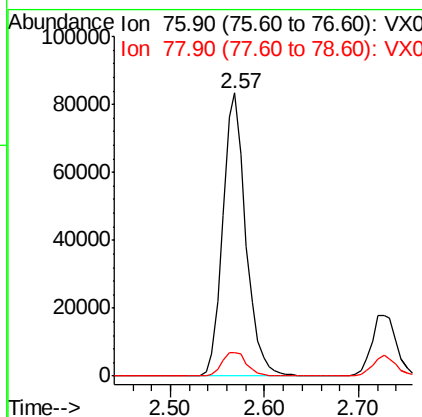
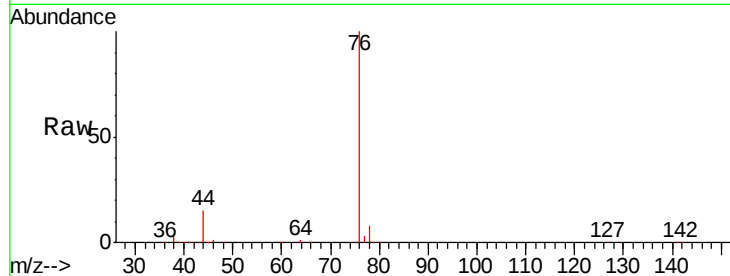
#17
Carbon Disulfide
Concen: 46.22 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX005990.D
Acq: 14 Nov 2018 22:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
76	100		
78	8.3	7.3	10.9

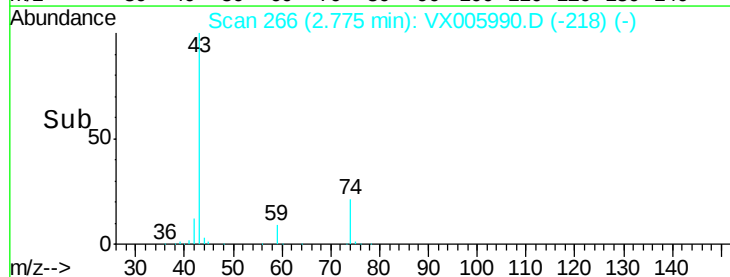
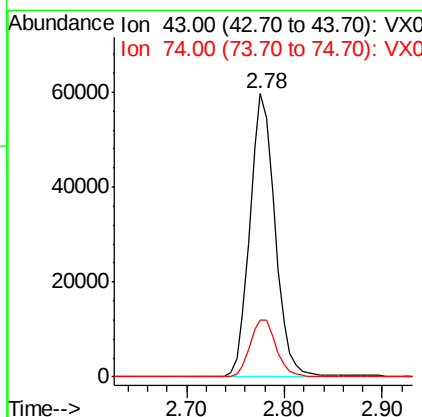
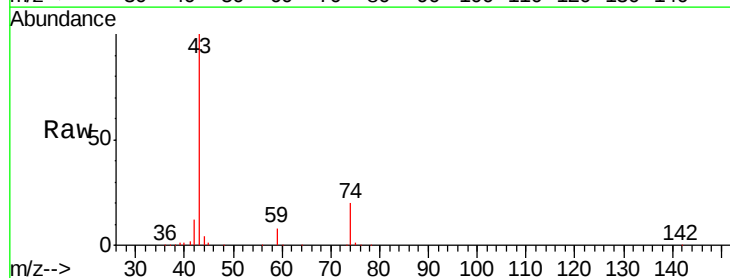
Manual Integrations
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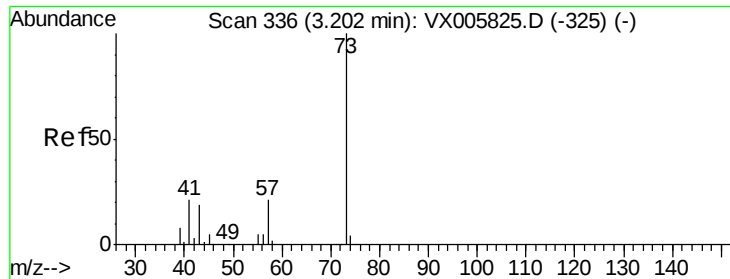
MMDadoda
11/15/2018 1:03:47 PM



#18
Methyl Acetate
Concen: 55.86 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX005990.D
Acq: 14 Nov 2018 22:48

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.3	16.8	25.2





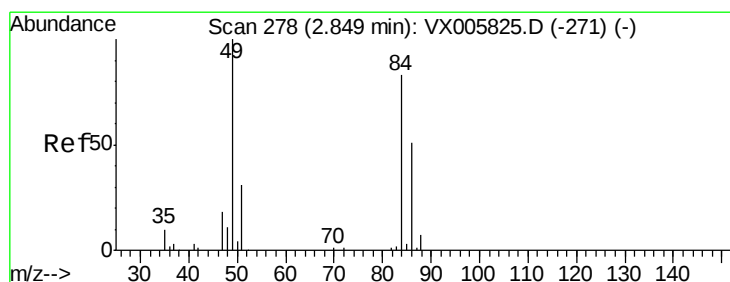
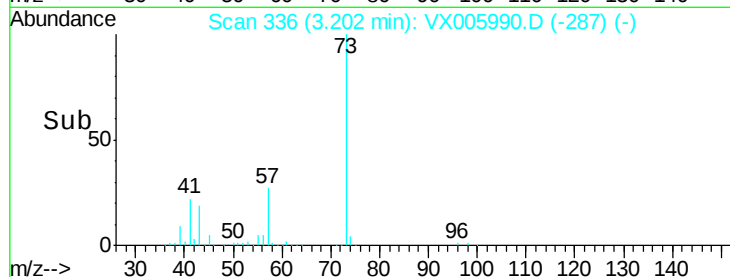
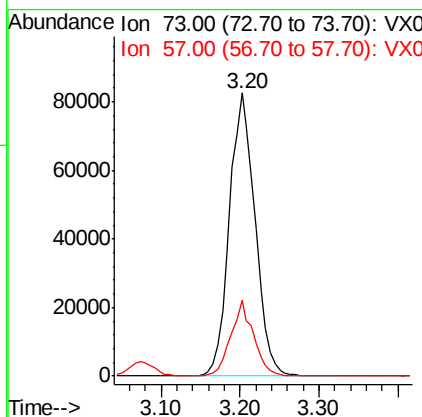
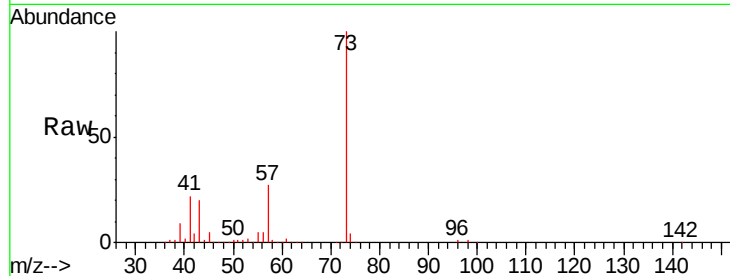
#19
Methyl tert-butyl Ether
Concen: 53.57 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX005990.D
Acq: 14 Nov 2018 22:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 187074
Ion Ratio Lower Upper
73 100
57 26.8 18.8 28.2

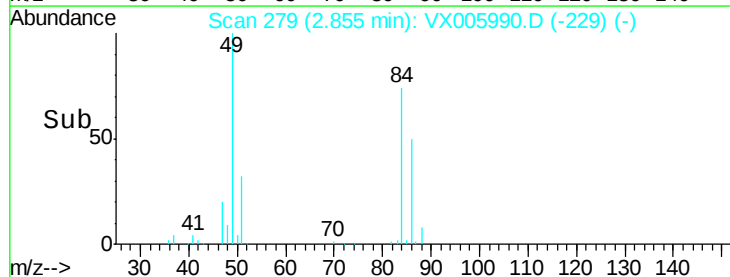
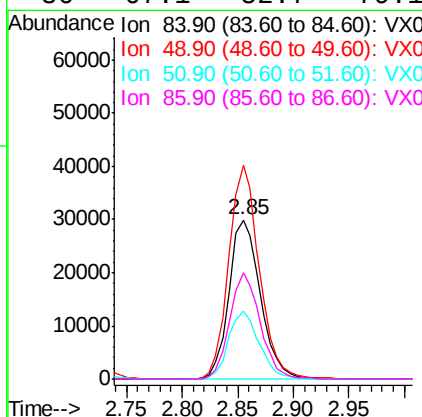
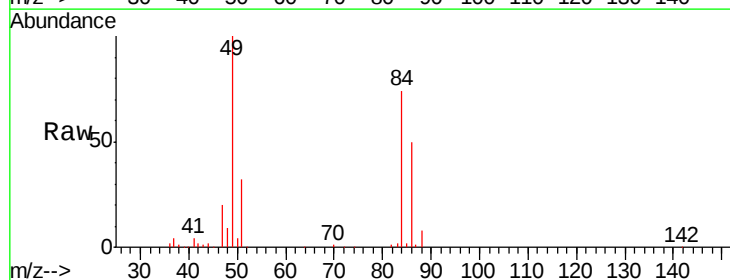
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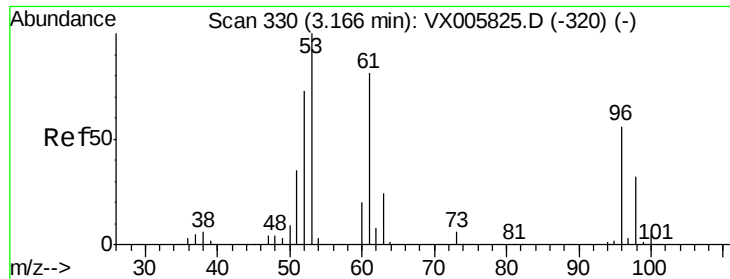
MMDadoda
11/15/2018 1:03:47 PM



#20
Methylene Chloride
Concen: 49.54 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.01 min
Lab File: VX005990.D
Acq: 14 Nov 2018 22:48

Tgt Ion: 84 Resp: 58312
Ion Ratio Lower Upper
84 100
49 134.5 109.5 164.3
51 42.7 33.3 49.9
86 67.1 52.7 79.1





#21

trans-1,2-Dichloroethene

Concen: 49.89 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX005990.D

Acq: 14 Nov 2018 22:48

Instrument :

MSVOA_X

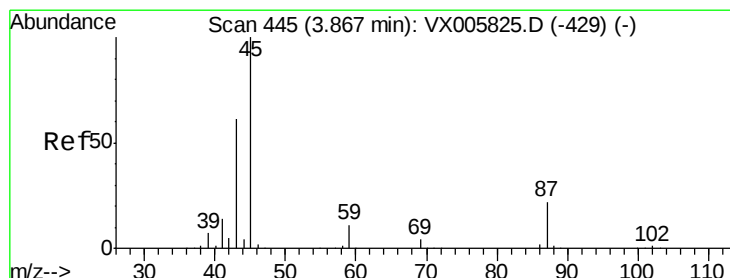
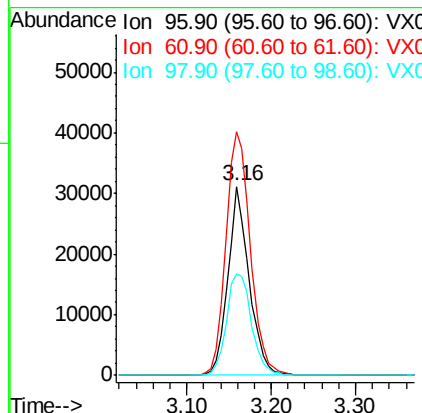
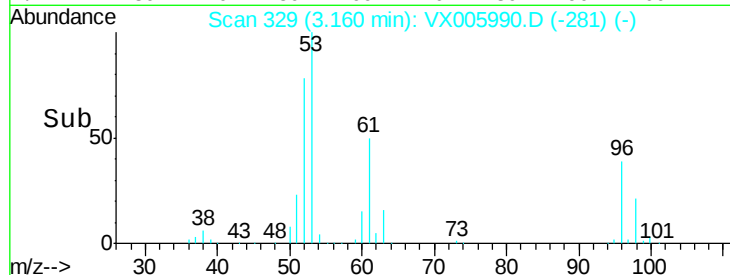
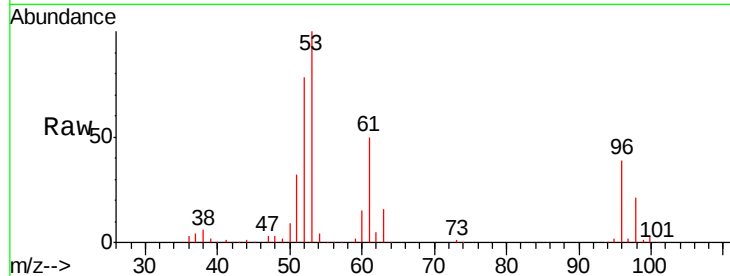
ClientSampleId :

VSTDCCC050

Tgt Ion:	96	Resp:	53838
Ion	Ratio	Lower	Upper
96	100		
61	128.9	115.6	173.4
98	54.0	50.2	75.2

Manual Integrations
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#22

Diisopropyl ether

Concen: 53.56 ug/l

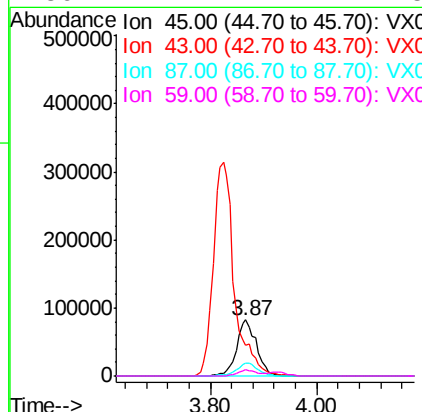
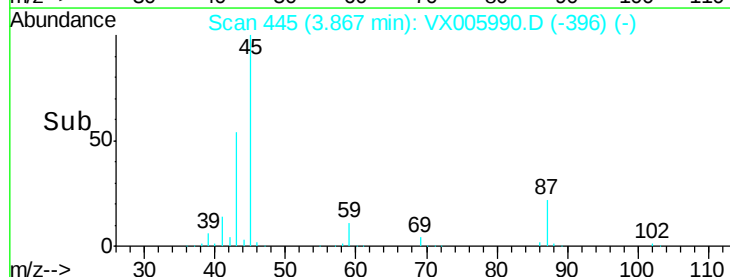
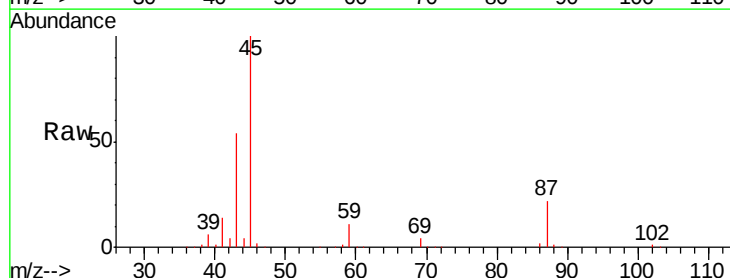
RT: 3.87 min Scan# 445

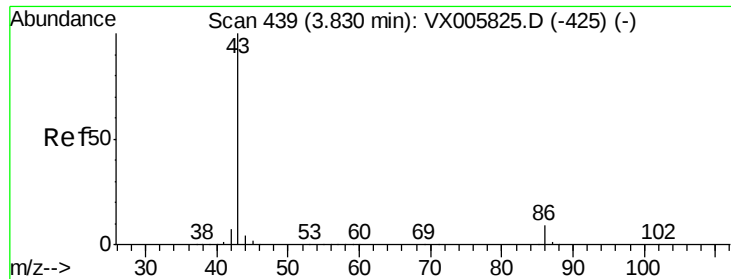
Delta R.T. -0.00 min

Lab File: VX005990.D

Acq: 14 Nov 2018 22:48

Tgt Ion:	45	Resp:	214426
Ion	Ratio	Lower	Upper
45	100		
43	54.2	47.4	71.2
87	22.3	15.9	23.9
59	11.1	7.7	11.5





#23

Vinyl Acetate

Concen: 249.31 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.01 min

Lab File: VX005990.D

Acq: 14 Nov 2018 22:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 855725

Ion Ratio Lower Upper

43 100

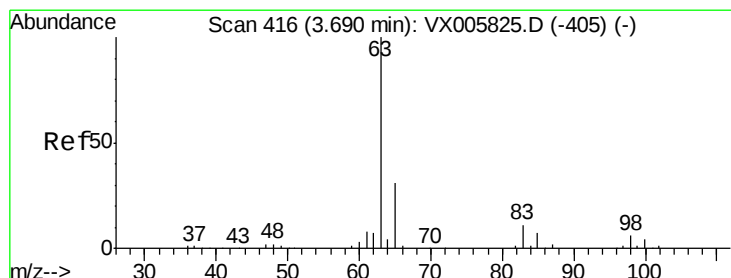
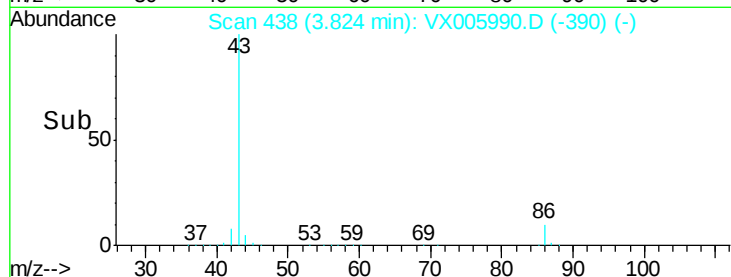
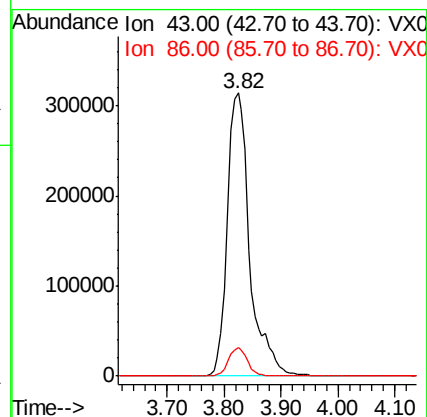
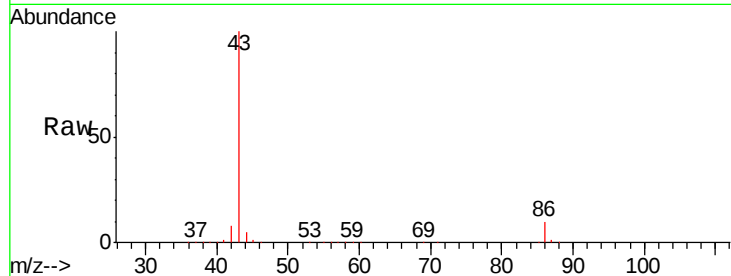
86 10.0 7.4 11.2

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 50.95 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX005990.D

Acq: 14 Nov 2018 22:48

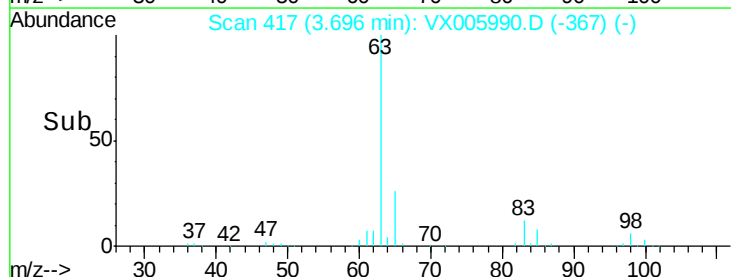
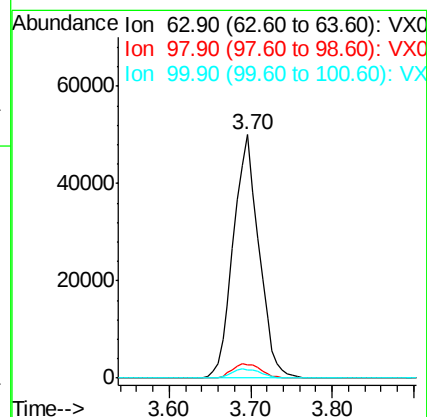
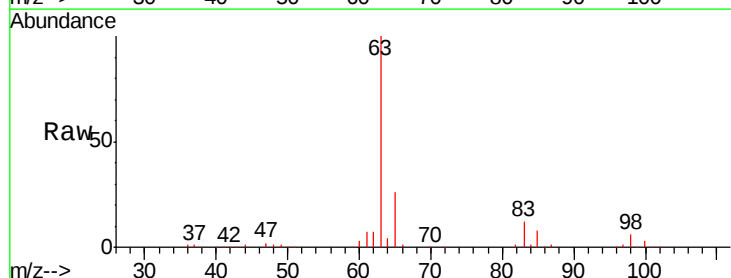
Tgt Ion: 63 Resp: 108824

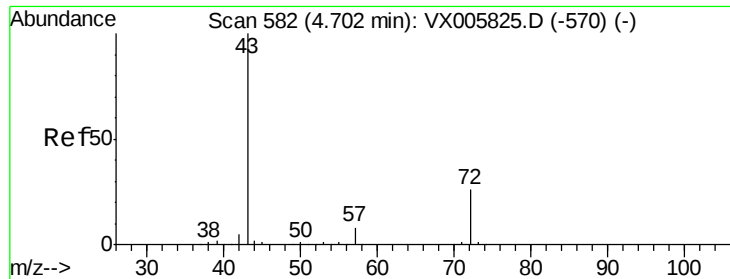
Ion Ratio Lower Upper

63 100

98 5.6 3.2 9.6

100 3.1 2.1 6.2





#25

2-Butanone

Concen: 250.25 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX005990.D

Acq: 14 Nov 2018 22:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 281902

Ion Ratio Lower Upper

43 100

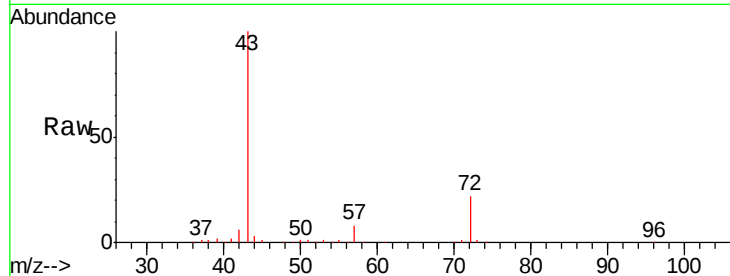
72 22.3 19.2 28.8

Manual Integrations

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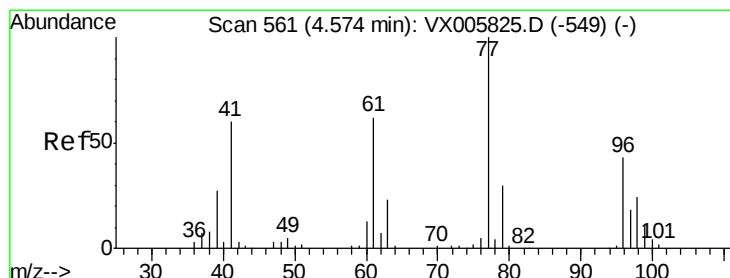
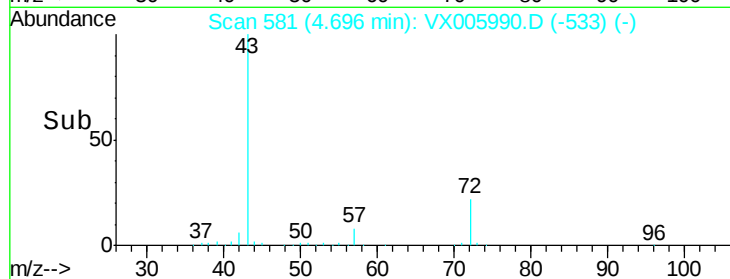
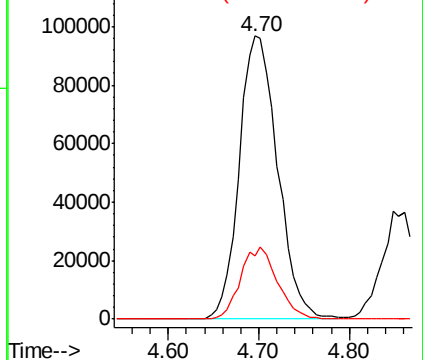
MMDadoda

11/15/2018 1:03:47 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 47.71 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX005990.D

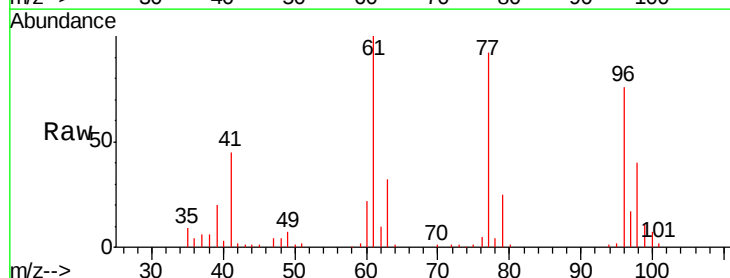
Acq: 14 Nov 2018 22:48

Tgt Ion: 77 Resp: 74741

Ion Ratio Lower Upper

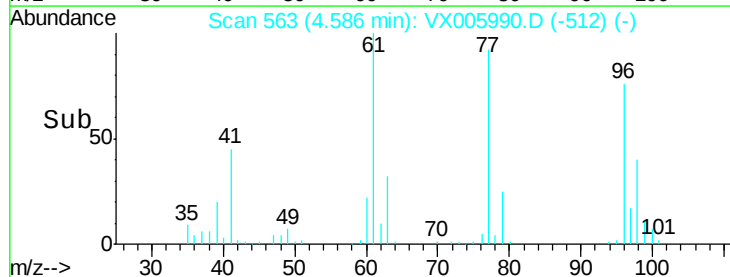
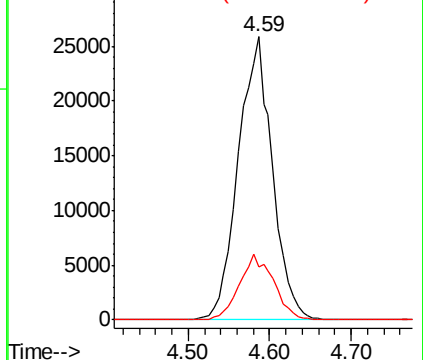
77 100

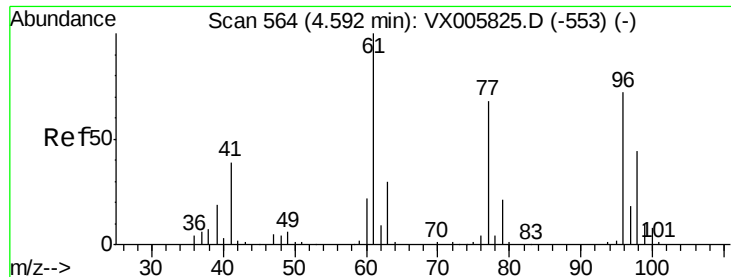
97 23.2 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

cis-1,2-Dichloroethene

Concen: 51.77 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.01 min

Lab File: VX005990.D

Acq: 14 Nov 2018 22:48

Instrument :

MSVOA_X

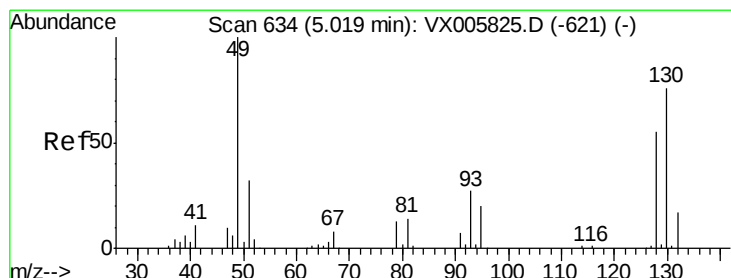
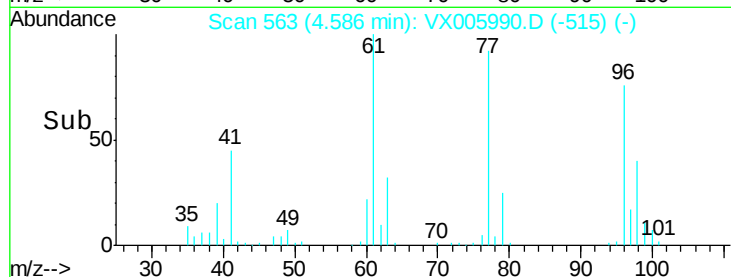
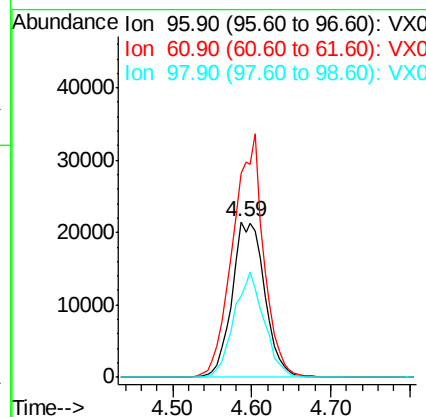
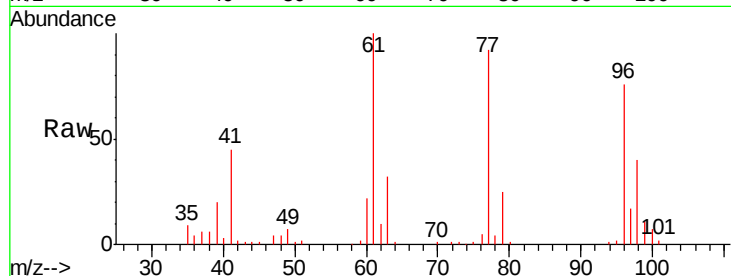
ClientSampleId :

VSTDCCC050

Tgt Ion:	96	Resp:	61686
Ion	Ratio	Lower	Upper
96	100		
61	147.7	0.0	304.6
98	62.6	0.0	127.4

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#28

Bromochloromethane

Concen: 55.13 ug/l

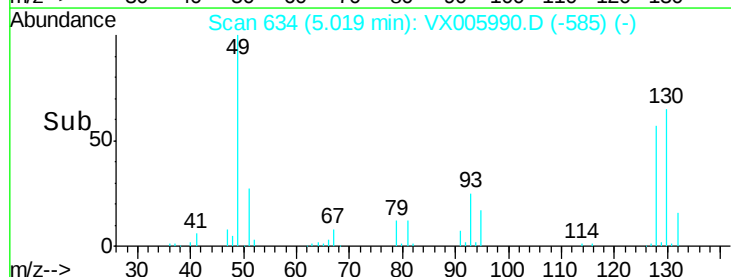
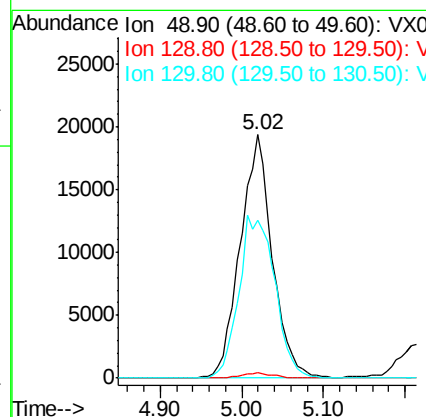
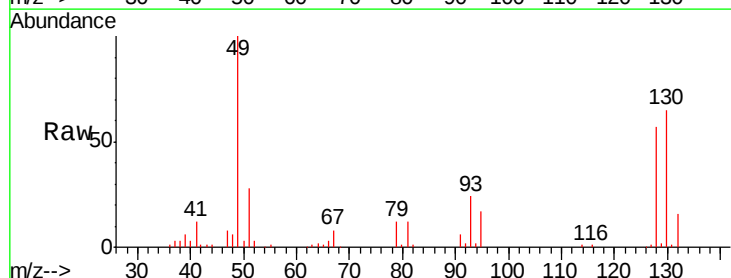
RT: 5.02 min Scan# 634

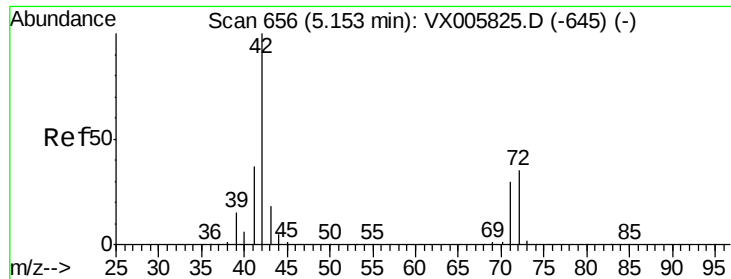
Delta R.T. -0.00 min

Lab File: VX005990.D

Acq: 14 Nov 2018 22:48

Tgt Ion:	49	Resp:	52625
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	75.0	58.9	88.3





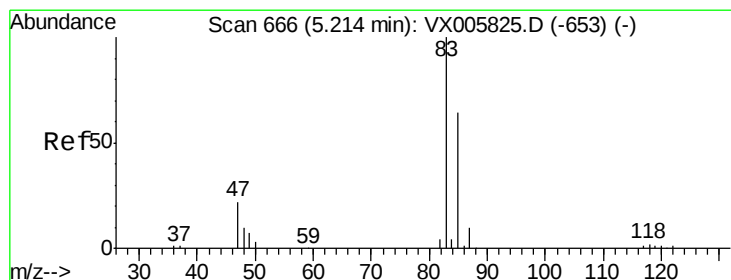
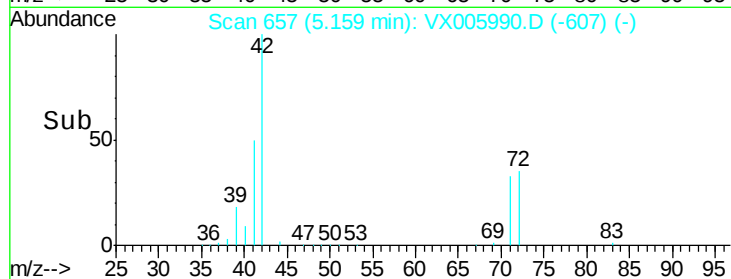
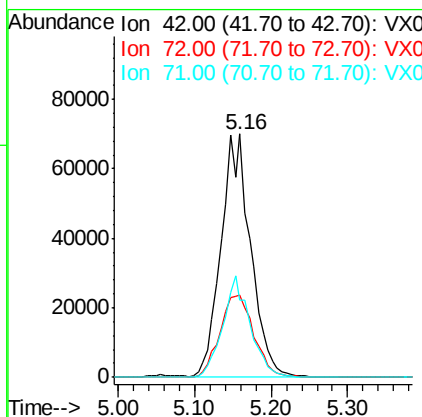
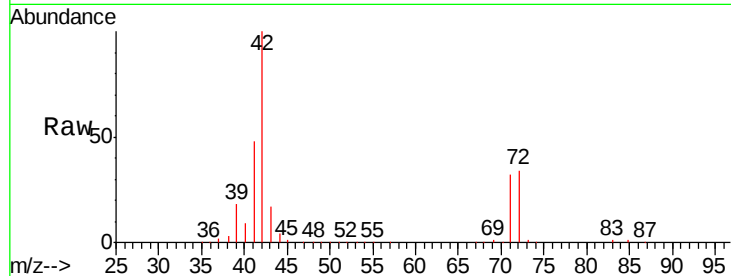
#29
Tetrahydrofuran
Concen: 259.16 ug/l
RT: 5.16 min Scan# 657
Delta R.T. 0.01 min
Lab File: VX005990.D
Acq: 14 Nov 2018 22:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
42	100		
72	39.0	32.0	48.0
71	38.7	29.8	44.8

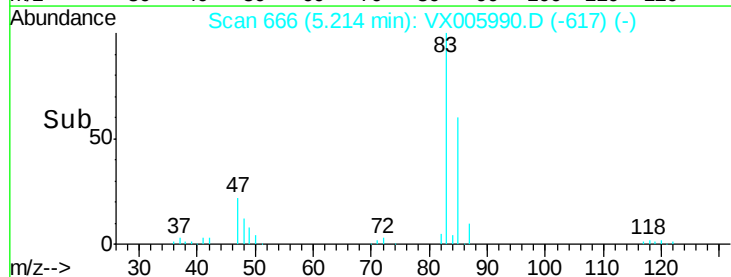
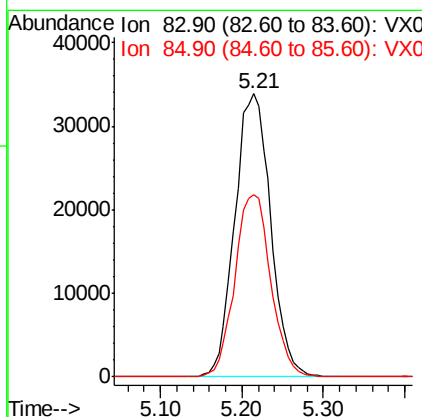
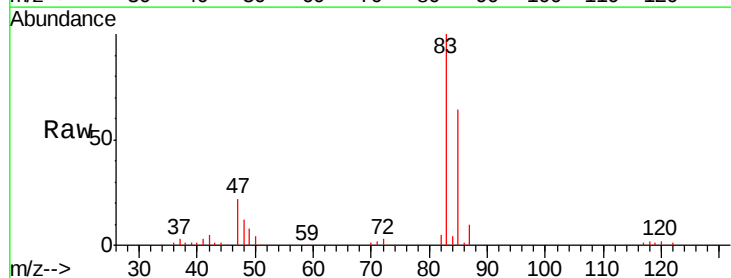
Manual Integrations
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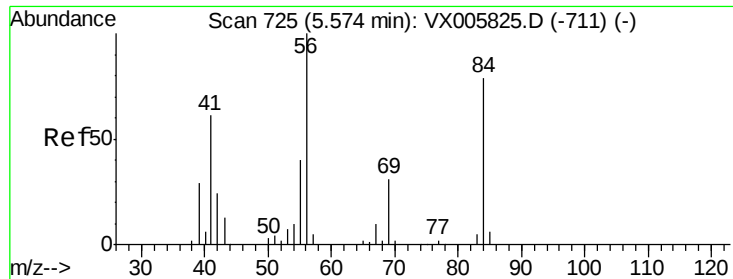
MMDadoda
11/15/2018 1:03:47 PM



#30
Chloroform
Concen: 50.17 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX005990.D
Acq: 14 Nov 2018 22:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	50.6	76.0





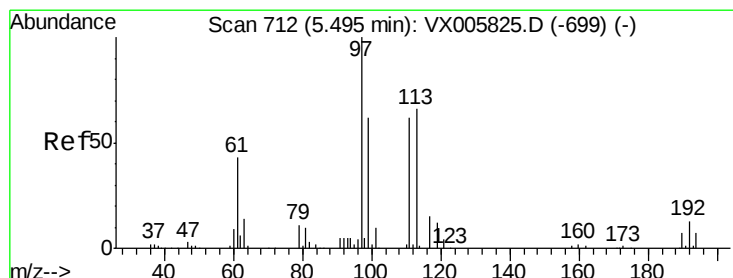
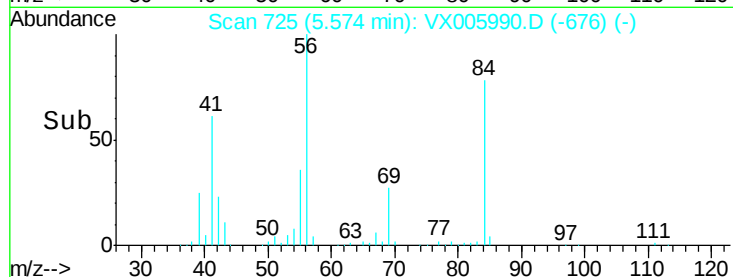
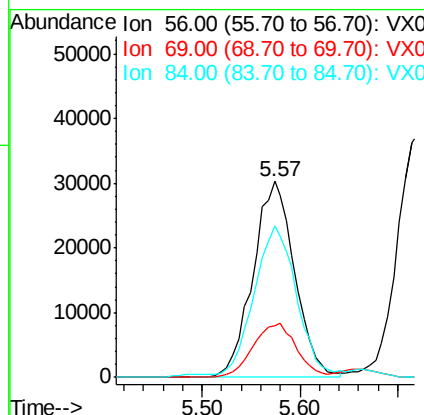
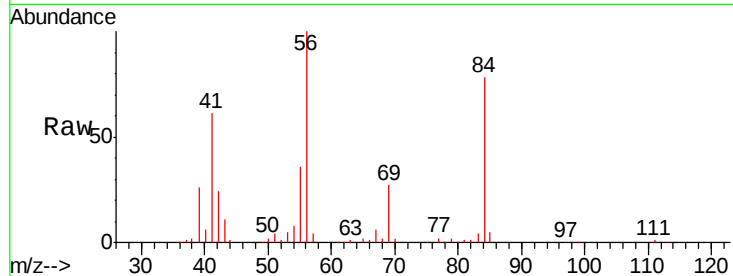
#31
Cyclohexane
Concen: 48.54 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.00 min
Lab File: VX005990.D
Acq: 14 Nov 2018 22:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
56	100		
69	26.7	22.6	34.0
84	76.0	62.7	94.1

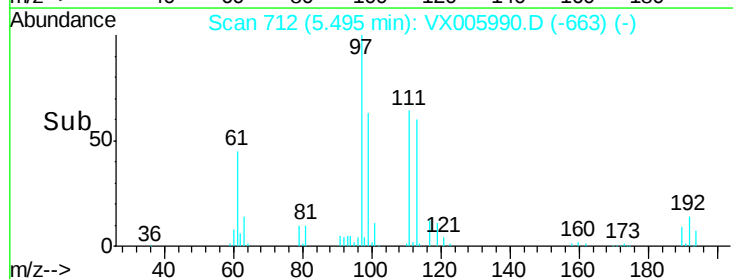
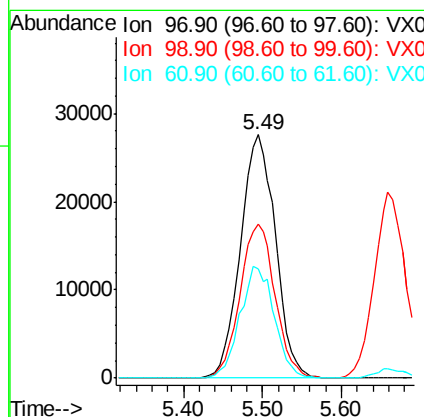
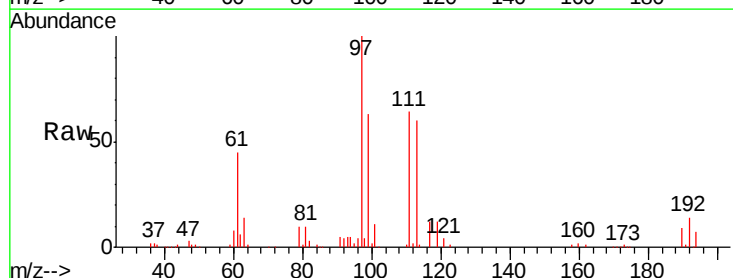
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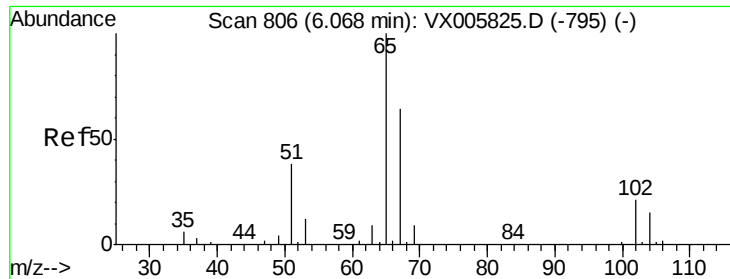
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 49.48 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX005990.D
Acq: 14 Nov 2018 22:48

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.5	52.3	78.5
61	45.0	35.2	52.8





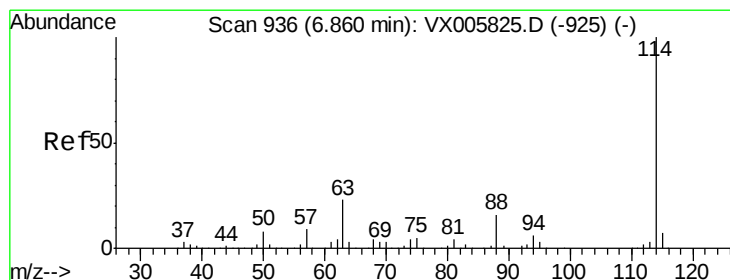
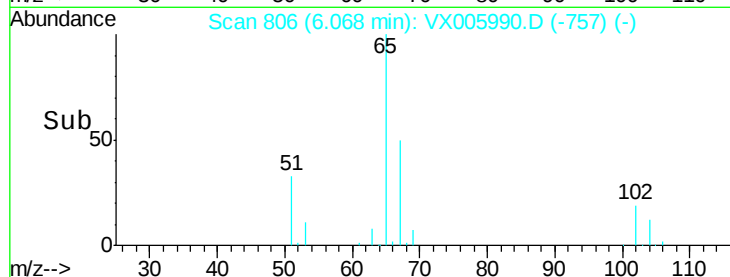
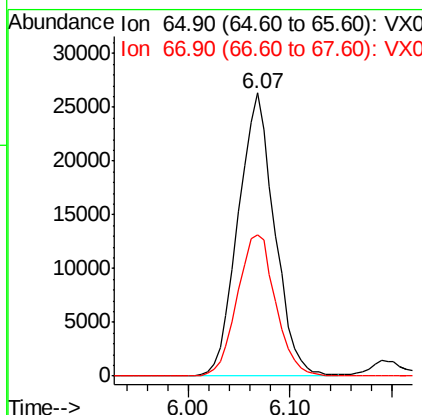
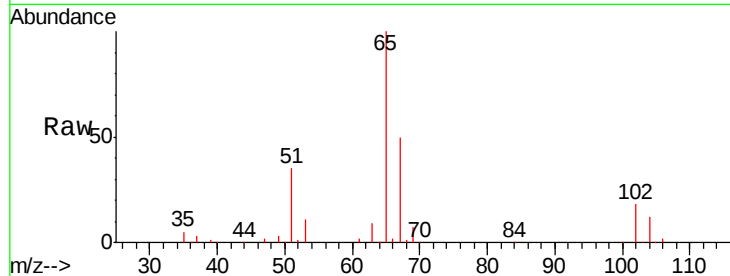
#33
 1,2-Dichloroethane-d4
 Concen: 49.05 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX005990.D
 Acq: 14 Nov 2018 22:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 65 Resp: 65273
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 105.0

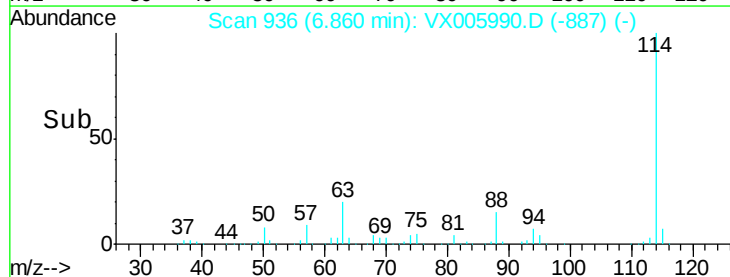
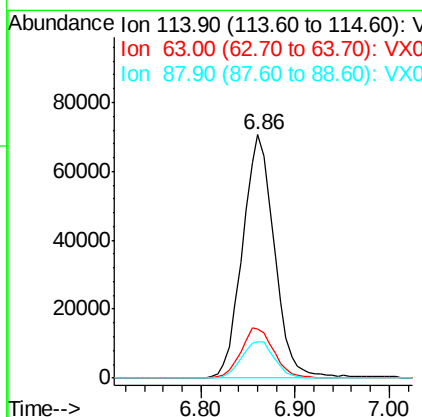
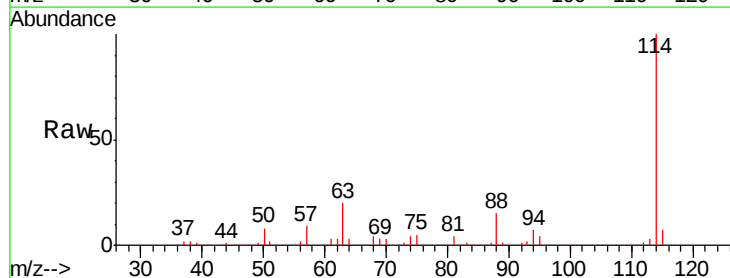
Manual Integrations
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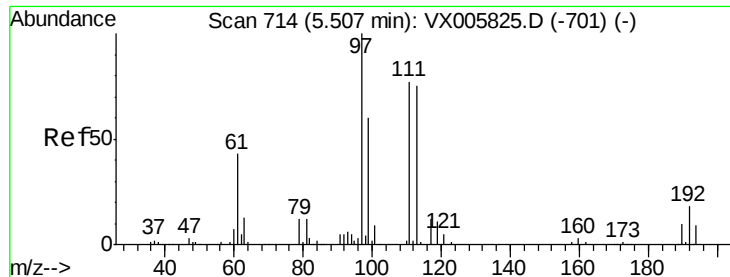
MMDadoda
 11/15/2018 1:03:47 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX005990.D
 Acq: 14 Nov 2018 22:48

Tgt Ion: 114 Resp: 165761
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 42.8
 88 14.9 0.0 31.2





#35

Dibromofluoromethane

Concen: 46.68 ug/l

RT: 5.51 min Scan# 714

Delta R.T. -0.00 min

Lab File: VX005990.D

Acq: 14 Nov 2018 22:48

Instrument :

MSVOA_X

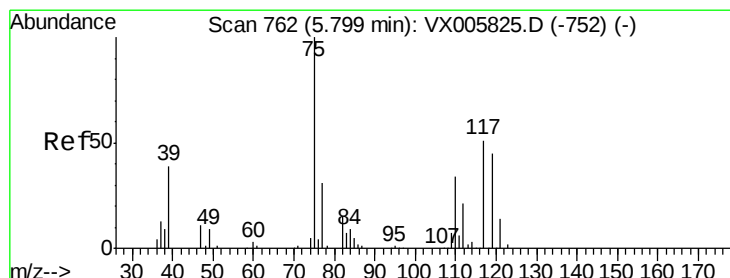
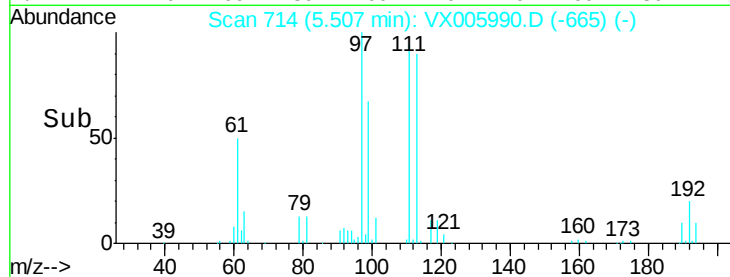
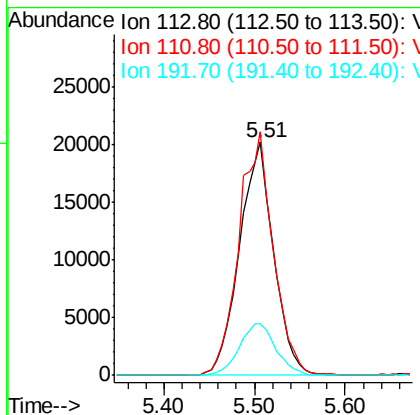
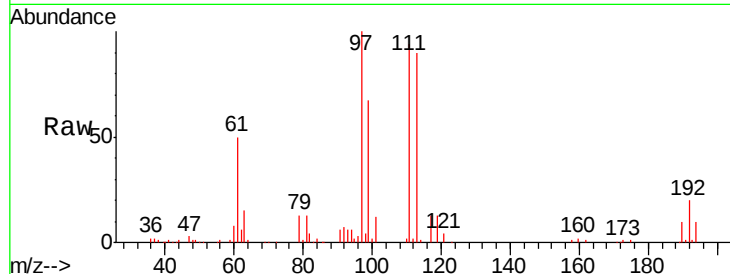
ClientSampleId :

VSTDCCC050

Tgt Ion:	113	Resp:	52624
Ion	Ratio	Lower	Upper
113	100		
111	104.7	82.3	123.5
192	23.6	17.9	26.9

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#36

1,1-Dichloropropene

Concen: 45.18 ug/l

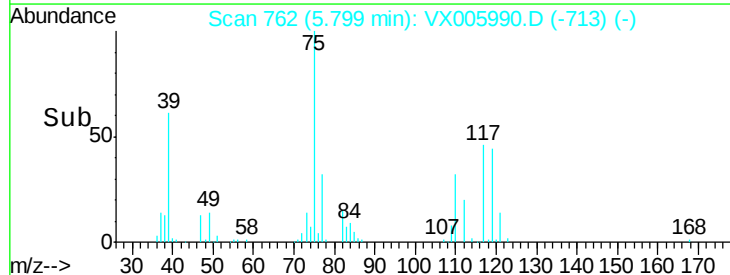
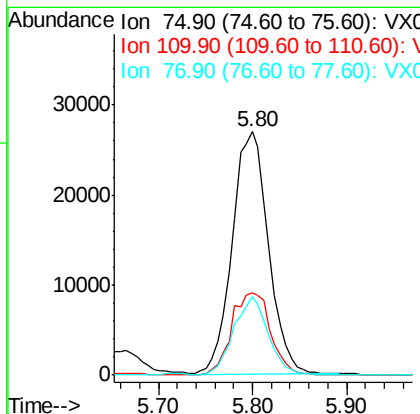
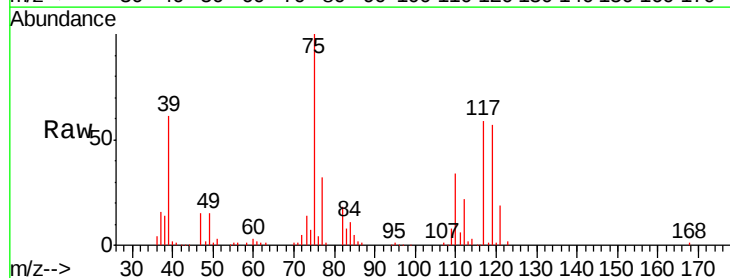
RT: 5.80 min Scan# 762

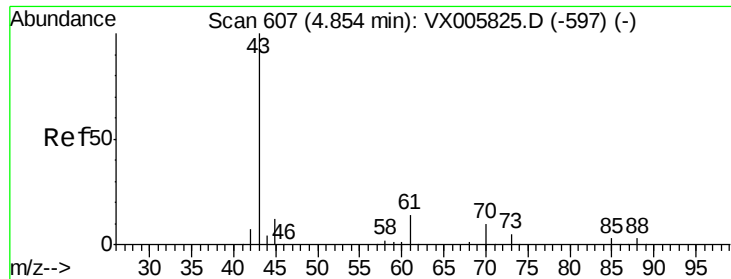
Delta R.T. -0.00 min

Lab File: VX005990.D

Acq: 14 Nov 2018 22:48

Tgt Ion:	75	Resp:	72194
Ion	Ratio	Lower	Upper
75	100		
110	36.9	17.4	52.2
77	31.3	25.8	38.6





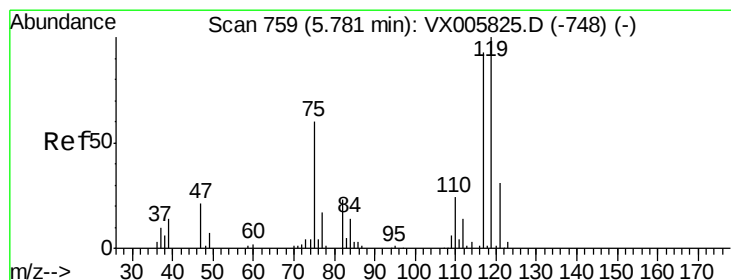
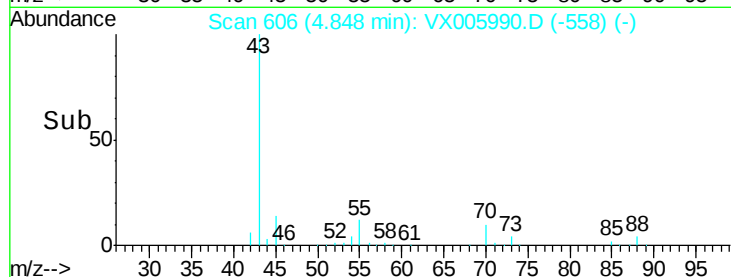
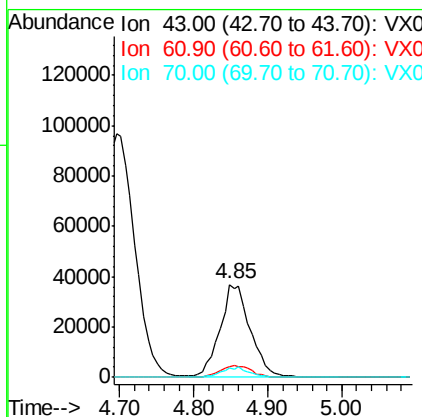
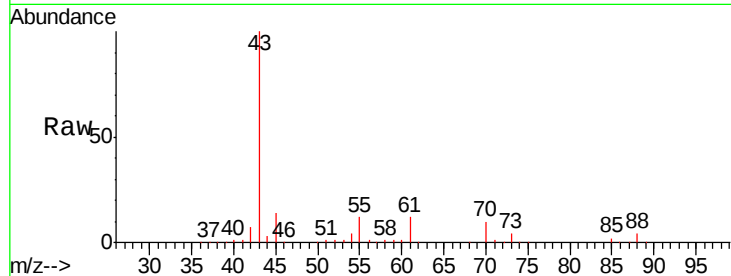
#37
Ethyl Acetate
Concen: 49.67 ug/l
RT: 4.85 min Scan# 606
Delta R.T. -0.01 min
Lab File: VX005990.D
Acq: 14 Nov 2018 22:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.8	16.2
70	10.1	7.8	11.8

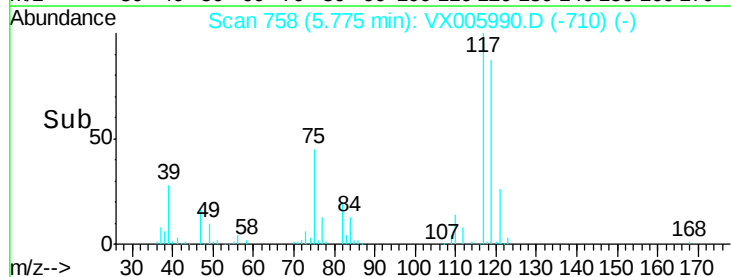
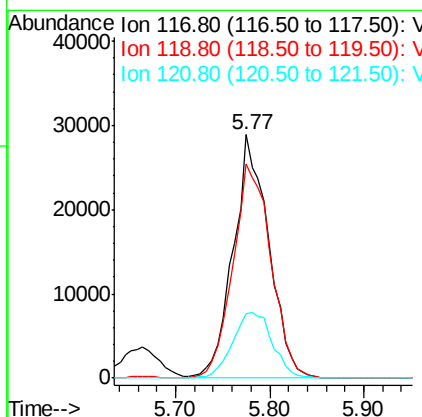
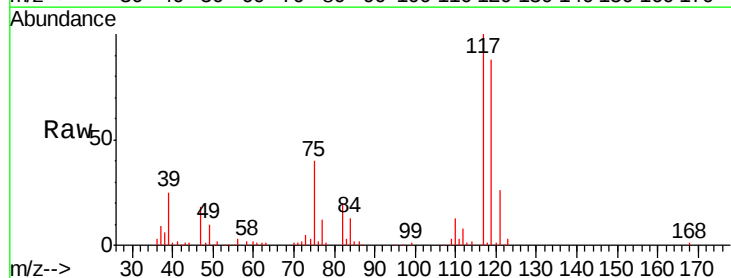
Manual Integrations
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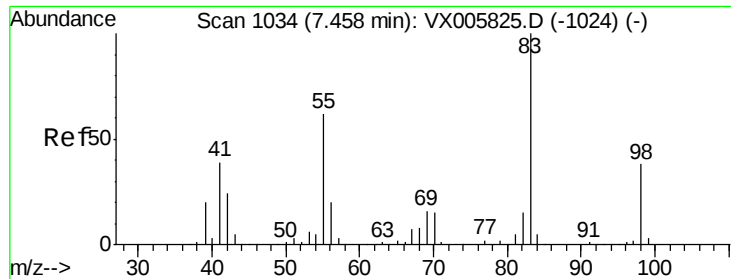
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#38
Carbon Tetrachloride
Concen: 47.50 ug/l
RT: 5.77 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX005990.D
Acq: 14 Nov 2018 22:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	88.1	78.1	117.1
121	26.3	24.6	36.8





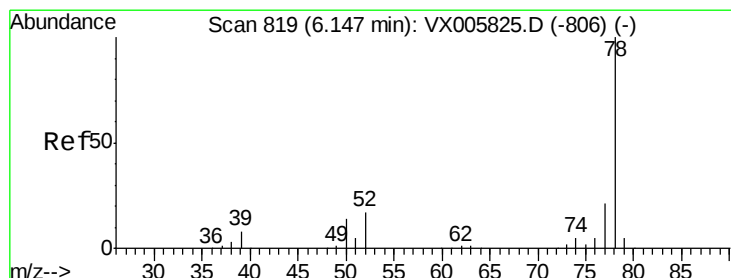
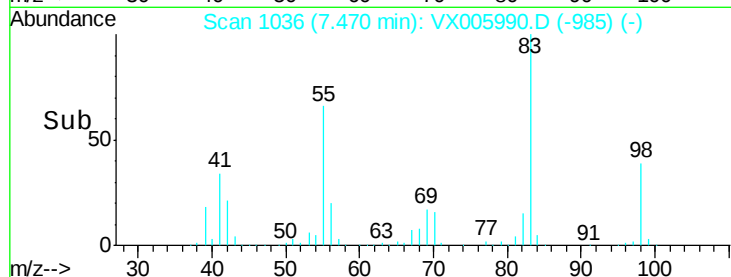
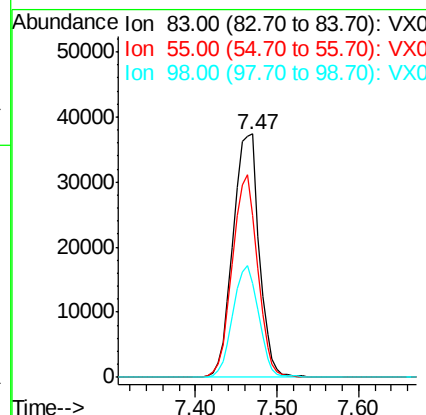
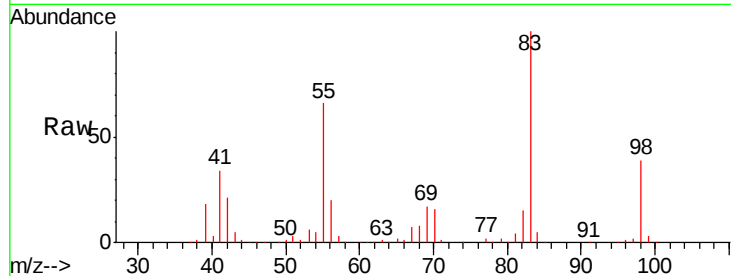
#39
Methylcyclohexane
Concen: 51.23 ug/l
RT: 7.47 min Scan# 1036
Delta R.T. 0.01 min
Lab File: VX005990.D
Acq: 14 Nov 2018 22:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
83	100		
55	66.5	63.7	95.5
98	38.5	36.2	54.2

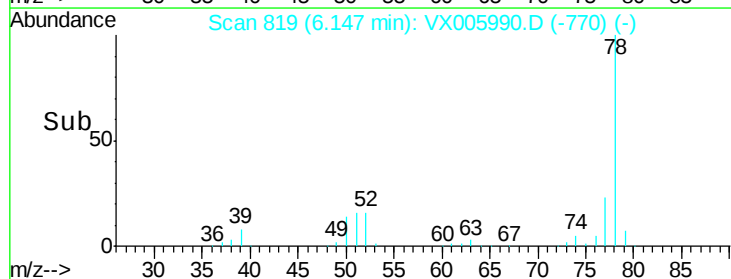
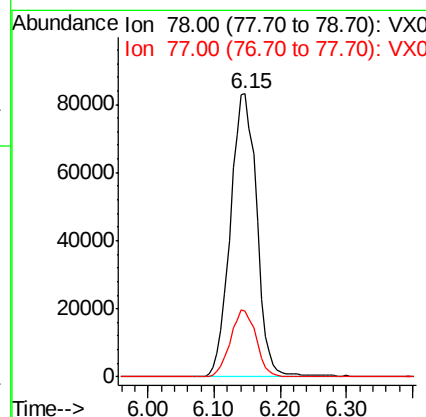
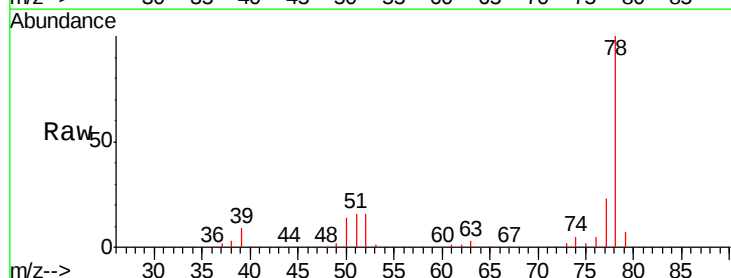
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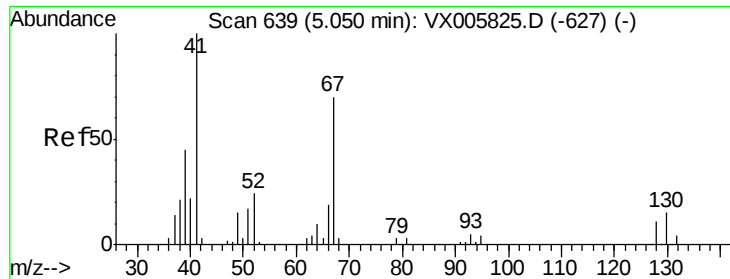
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#40
Benzene
Concen: 49.37 ug/l
RT: 6.15 min Scan# 819
Delta R.T. -0.00 min
Lab File: VX005990.D
Acq: 14 Nov 2018 22:48

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.4	27.6





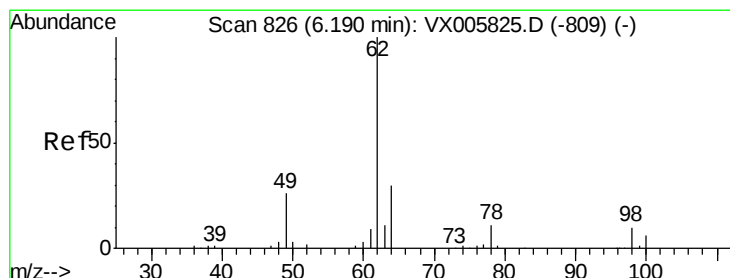
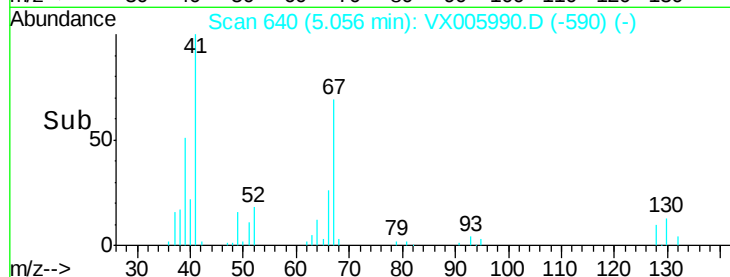
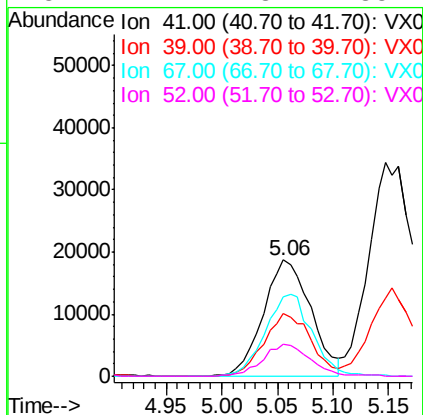
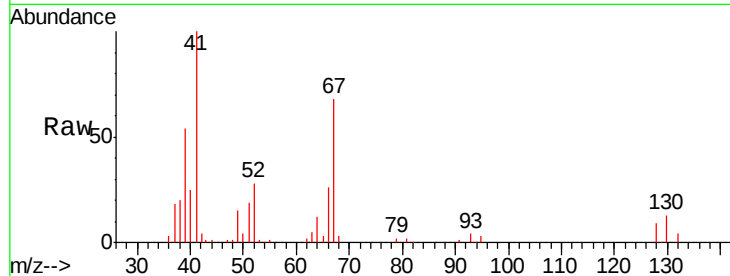
#41
Methacrylonitrile
Concen: 48.86 ug/l
RT: 5.06 min Scan# 640
Delta R.T. 0.01 min
Lab File: VX005990.D
Acq: 14 Nov 2018 22:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.4	42.2	63.2	
67	69.3	53.4	80.0	
52	27.4	23.4	35.2	

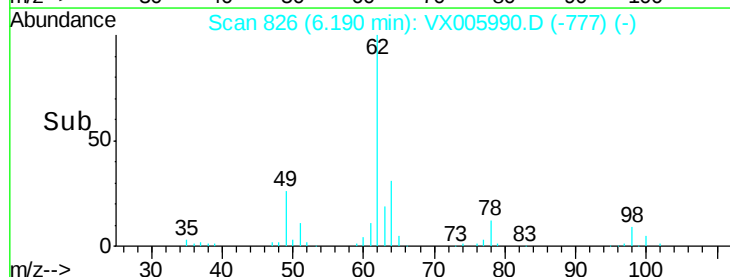
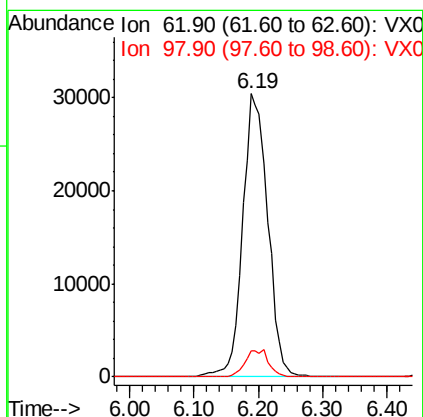
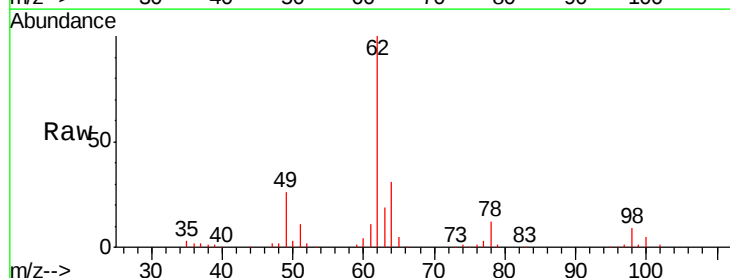
Manual Integrations
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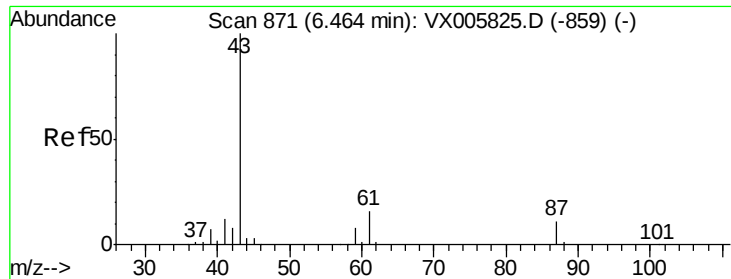
MMDadoda
11/15/2018 1:03:47 PM



#42
1,2-Dichloroethane
Concen: 48.60 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.00 min
Lab File: VX005990.D
Acq: 14 Nov 2018 22:48

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.0	0.0	17.8	





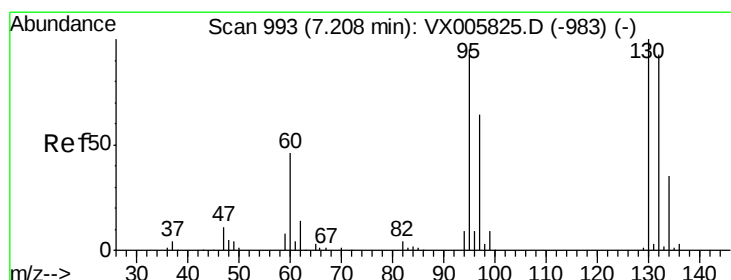
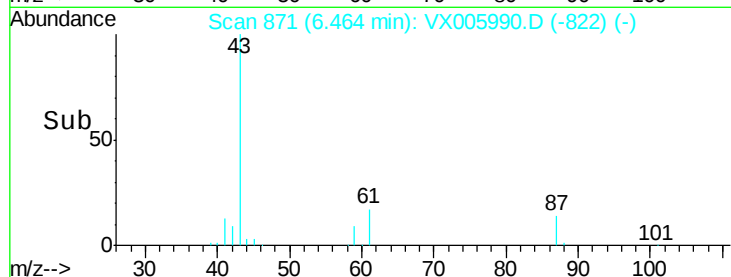
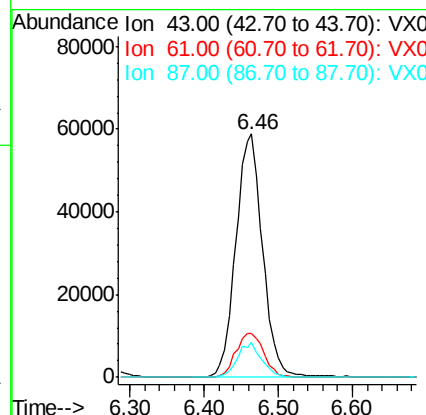
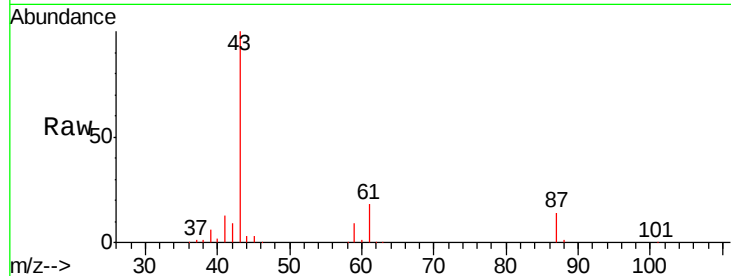
#43
Isopropyl Acetate
Concen: 48.67 ug/l
RT: 6.46 min Scan# 871
Delta R.T. -0.00 min
Lab File: VX005990.D
Acq: 14 Nov 2018 22:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	19.2	14.6	22.0
87	12.9	9.6	14.4

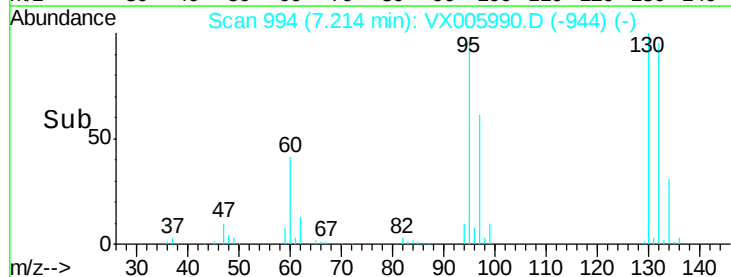
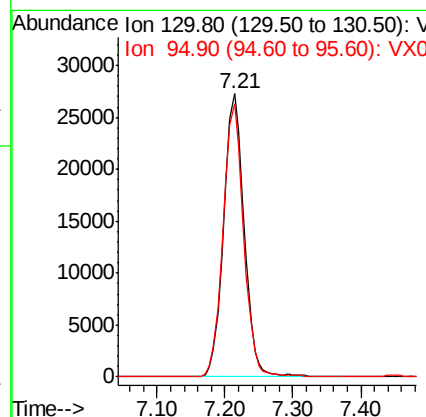
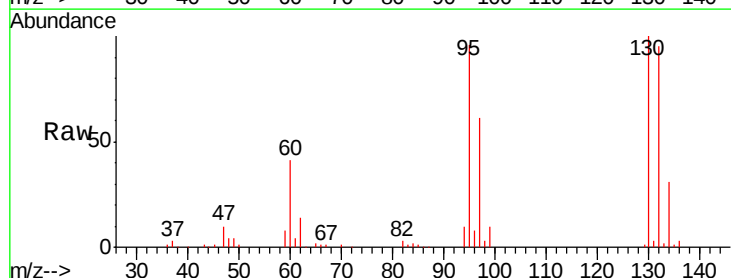
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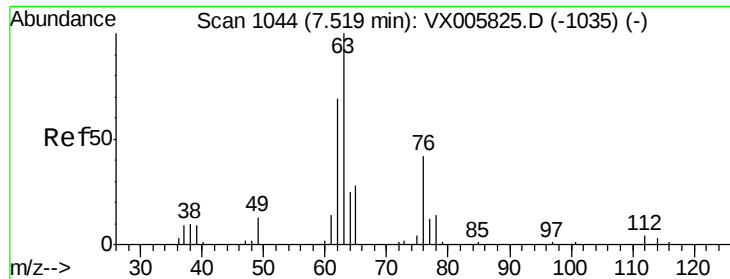
MMDadoda
11/15/2018 1:03:47 PM



#44
Trichloroethene
Concen: 48.51 ug/l
RT: 7.21 min Scan# 994
Delta R.T. 0.01 min
Lab File: VX005990.D
Acq: 14 Nov 2018 22:48

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.4	0.0	194.2





#45

1,2-Dichloropropane

Concen: 51.72 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VX005990.D

Acq: 14 Nov 2018 22:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 63 Resp: 58474

Ion Ratio Lower Upper

63 100

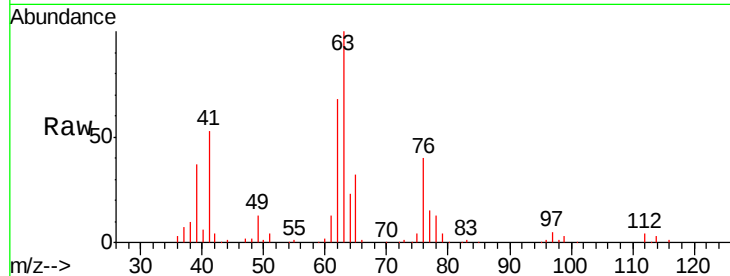
65 31.8 24.8 37.2

Manual Integrations

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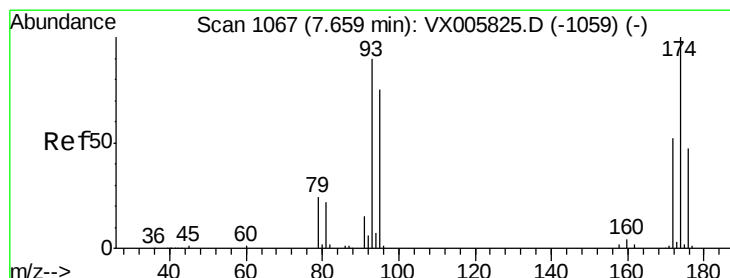
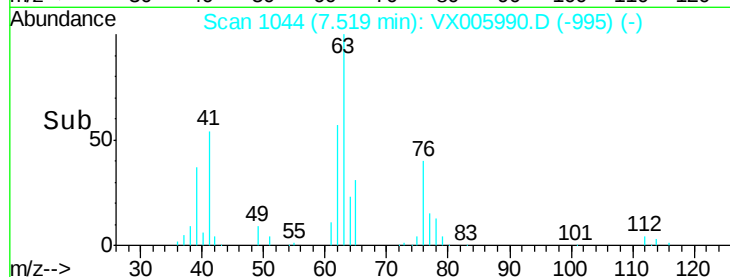
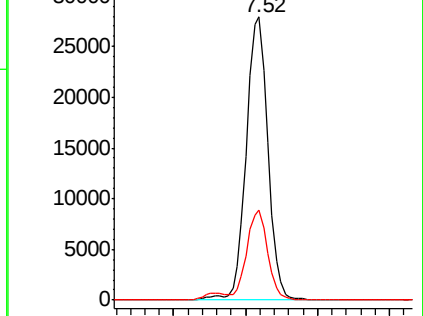
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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 52.36 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX005990.D

Acq: 14 Nov 2018 22:48

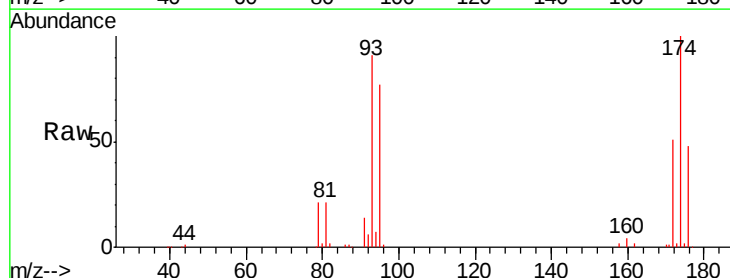
Tgt Ion: 93 Resp: 37150

Ion Ratio Lower Upper

93 100

95 83.1 67.4 101.0

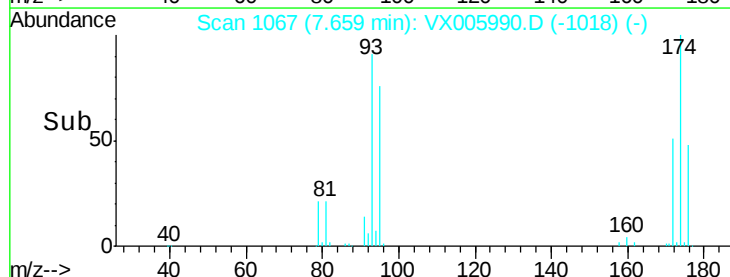
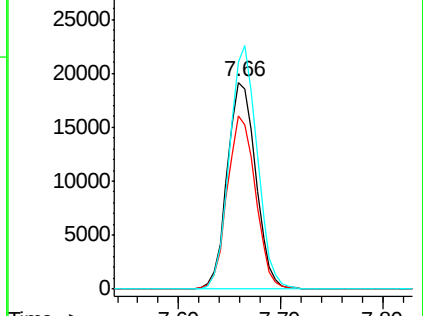
174 114.1 91.5 137.3

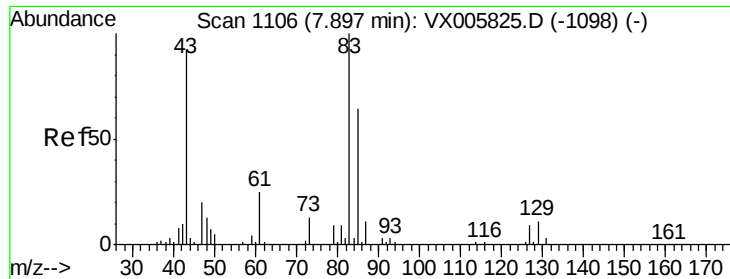


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 54.15 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX005990.D

Acq: 14 Nov 2018 22:48

Instrument :

MSVOA_X

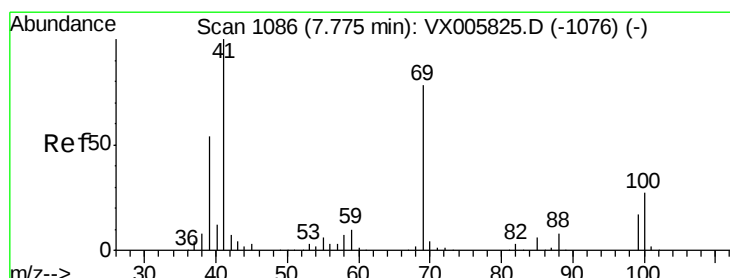
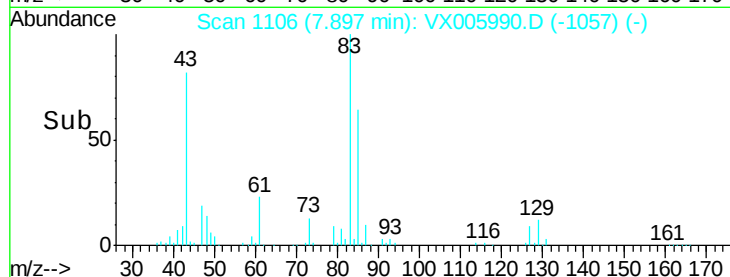
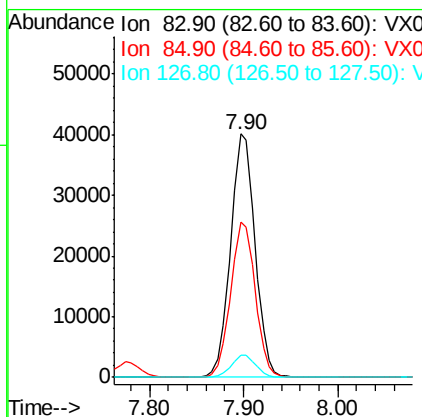
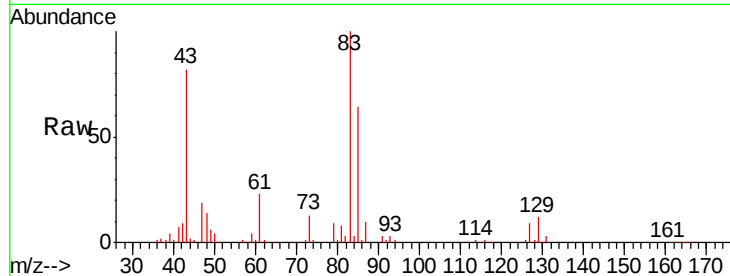
ClientSampleId :

VSTDCCC050

Tgt Ion:	83	Resp:	72614
Ion	Ratio	Lower	Upper
83	100		
85	63.7	50.2	75.4
127	8.9	6.9	10.3

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#48

Methyl methacrylate

Concen: 55.30 ug/l

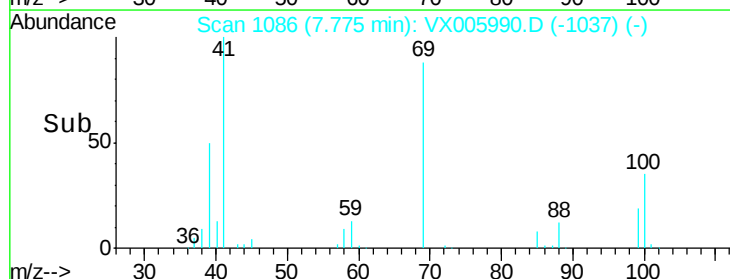
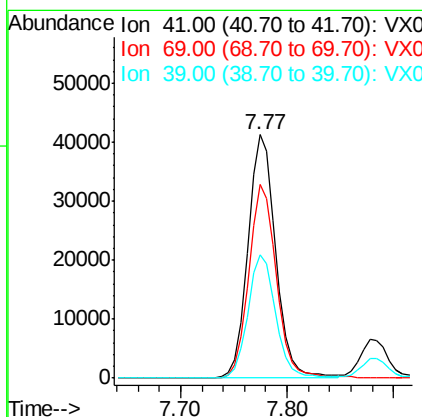
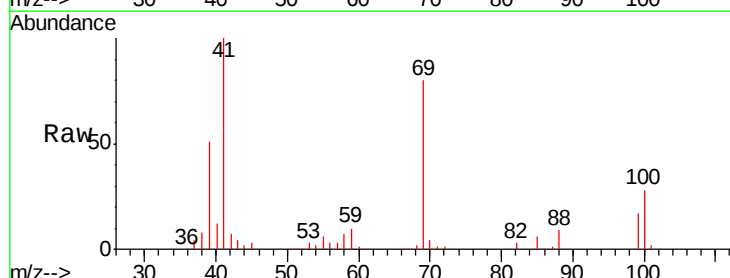
RT: 7.77 min Scan# 1086

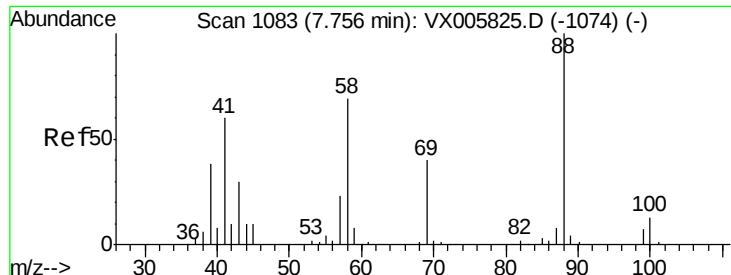
Delta R.T. -0.00 min

Lab File: VX005990.D

Acq: 14 Nov 2018 22:48

Tgt Ion:	41	Resp:	75603
Ion	Ratio	Lower	Upper
41	100		
69	79.3	63.2	94.8
39	50.9	42.2	63.2





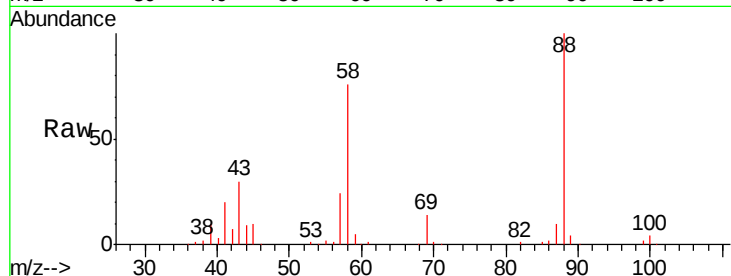
#49
1,4-Dioxane
Concen: 1074.41 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX005990.D
Acq: 14 Nov 2018 22:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

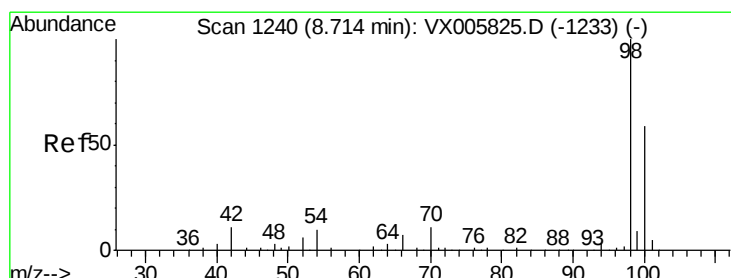
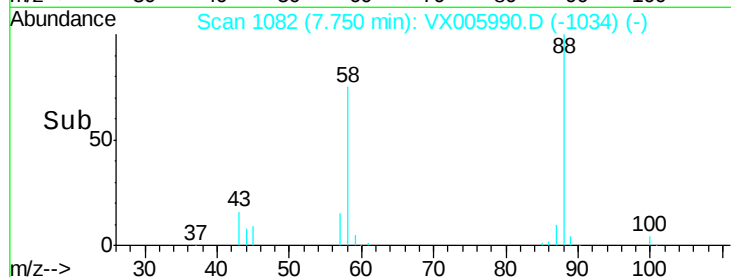
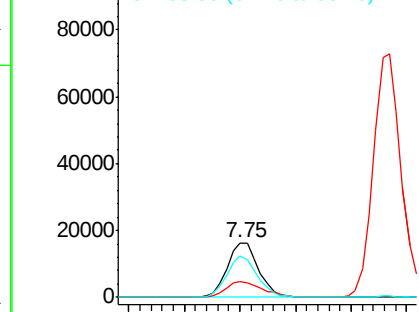
Tgt Ion	Ratio	Lower	Upper
88	100		
43	33.6	27.4	41.0
58	74.7	59.4	89.2

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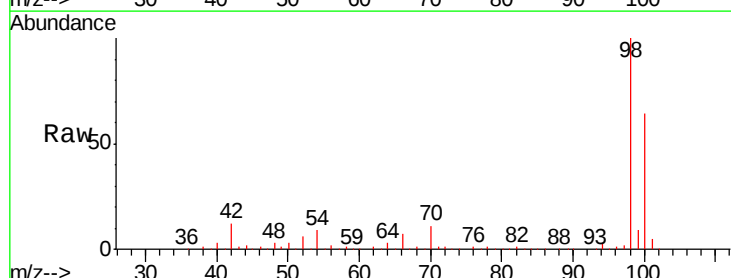


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

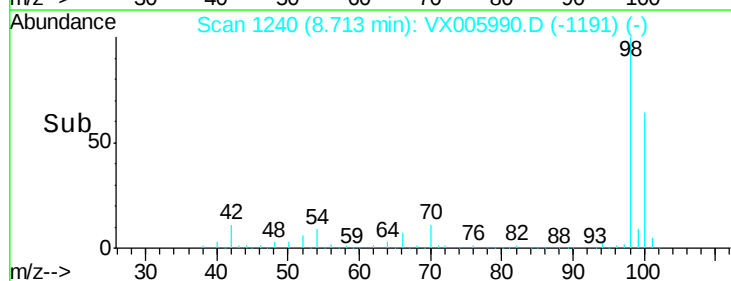
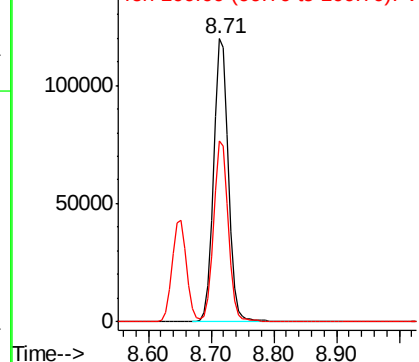


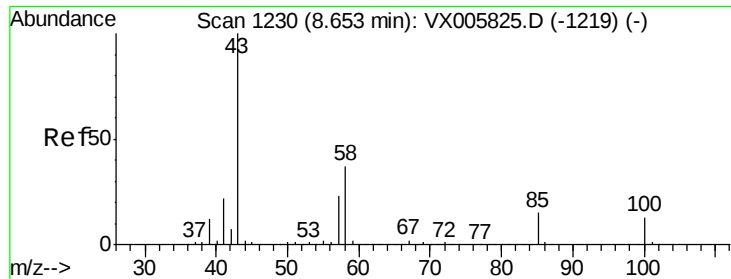
#50
Toluene-d8
Concen: 51.96 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005990.D
Acq: 14 Nov 2018 22:48

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.3	76.9



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





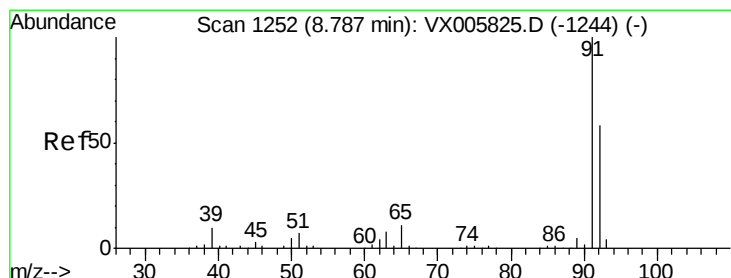
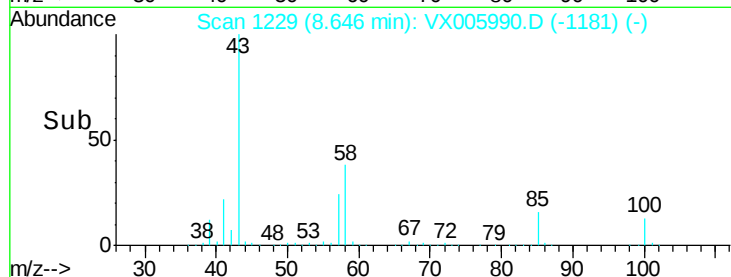
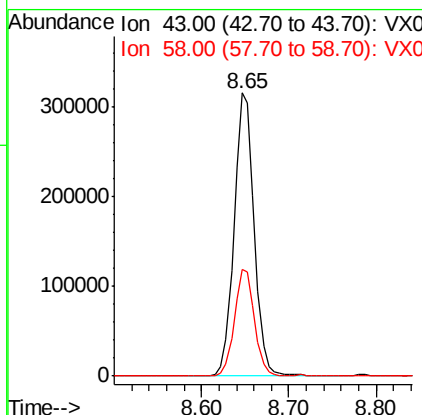
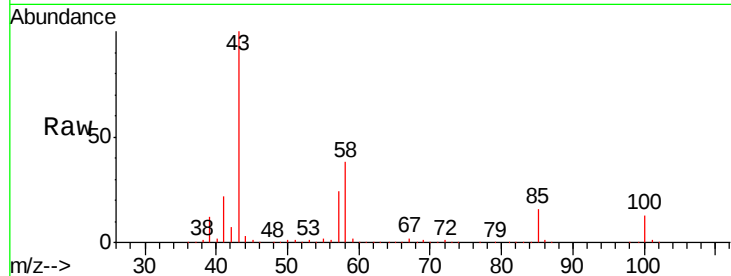
#51
4-Methyl-2-Pentanone
Concen: 263.24 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. -0.01 min
Lab File: VX005990.D
Acq: 14 Nov 2018 22:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 505164
Ion Ratio Lower Upper
43 100
58 37.5 29.7 44.5

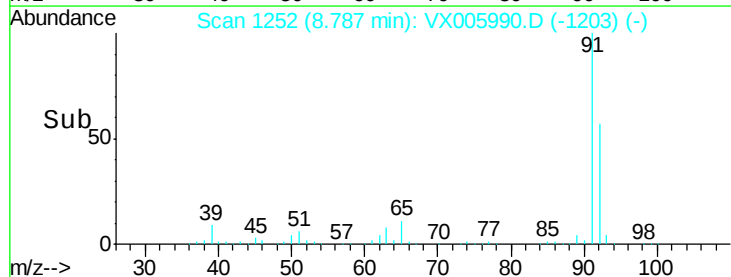
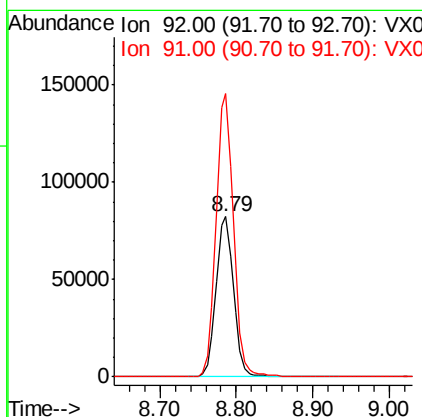
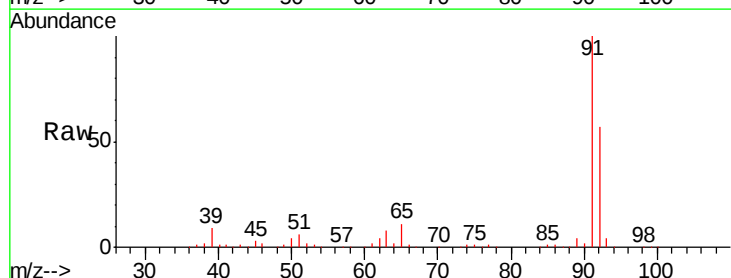
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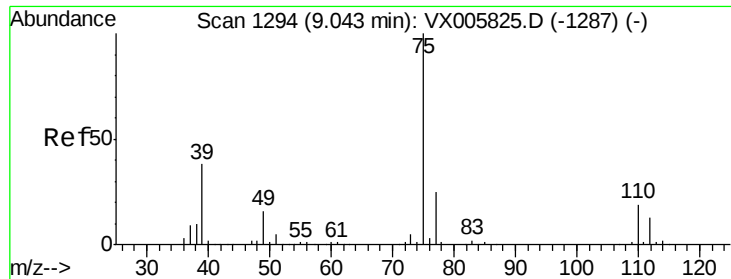
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#52
Toluene
Concen: 50.35 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX005990.D
Acq: 14 Nov 2018 22:48

Tgt Ion: 92 Resp: 131095
Ion Ratio Lower Upper
92 100
91 175.8 140.4 210.6





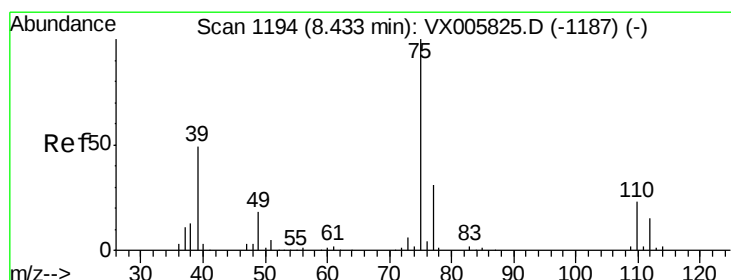
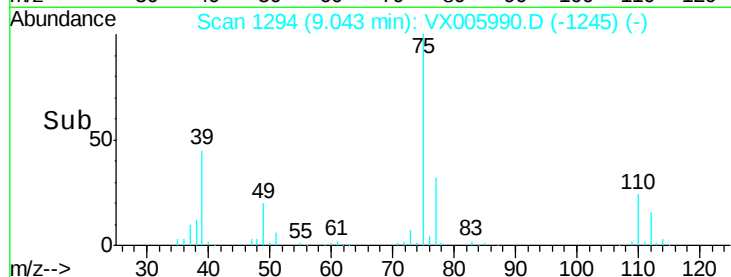
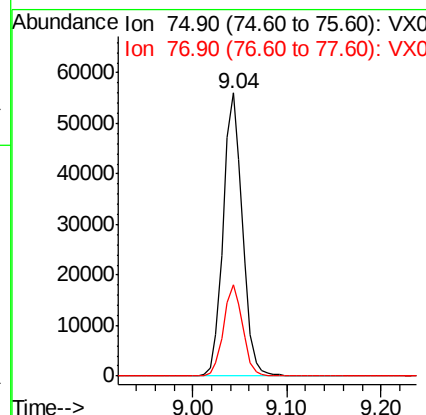
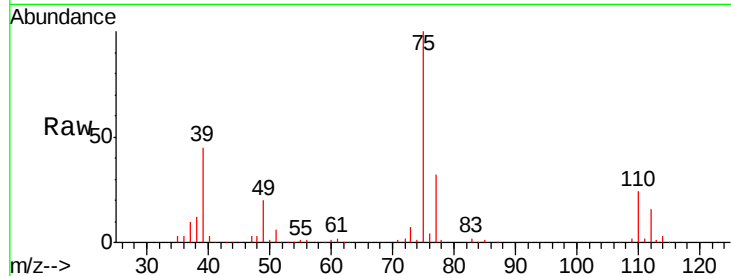
#53
t-1,3-Dichloropropene
Concen: 50.02 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX005990.D
Acq: 14 Nov 2018 22:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 79146
Ion Ratio Lower Upper
75 100
77 32.2 25.4 38.2

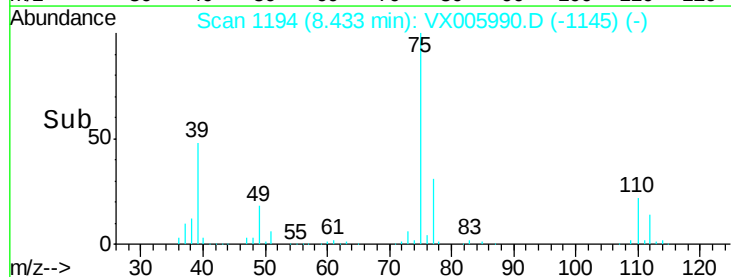
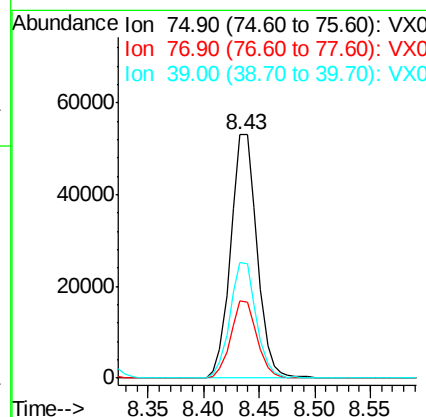
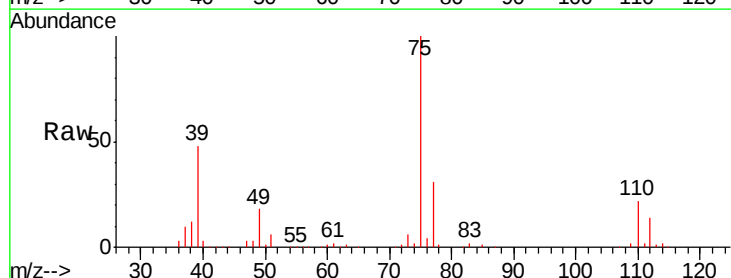
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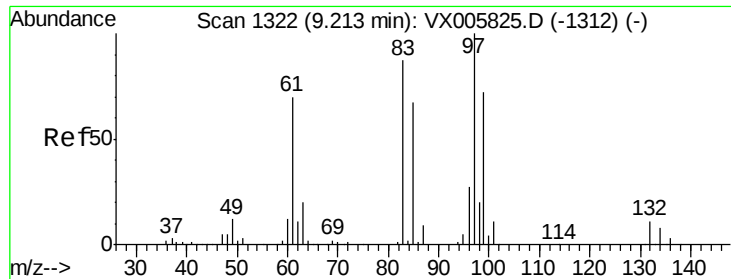
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#54
cis-1,3-Dichloropropene
Concen: 53.95 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX005990.D
Acq: 14 Nov 2018 22:48

Tgt Ion: 75 Resp: 87006
Ion Ratio Lower Upper
75 100
77 31.5 25.2 37.8
39 47.7 38.2 57.2





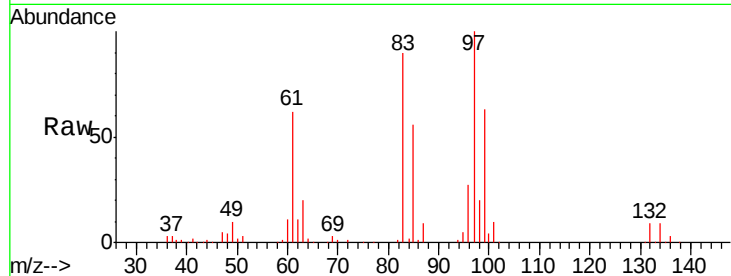
#55
 1,1,2-Trichloroethane
 Concen: 47.68 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX005990.D
 Acq: 14 Nov 2018 22:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

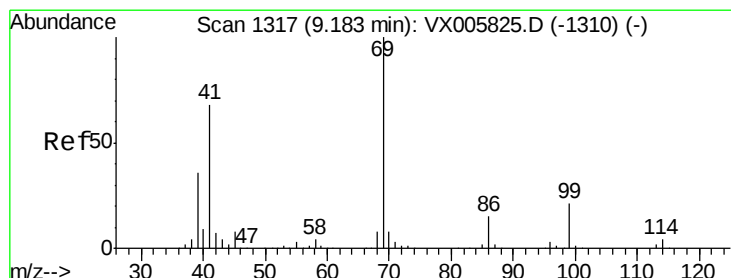
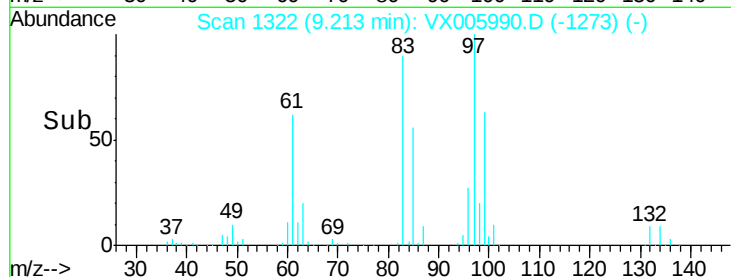
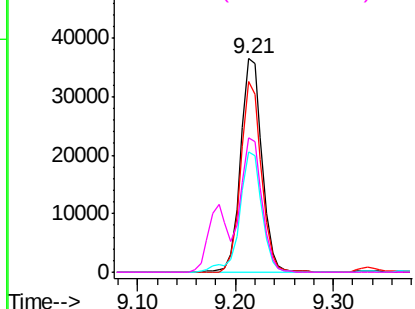
Tgt Ion: 97 Resp: 55323
 Ion Ratio Lower Upper
 97 100
 83 89.6 70.7 106.1
 85 56.4 45.8 68.6
 99 63.2 51.8 77.8

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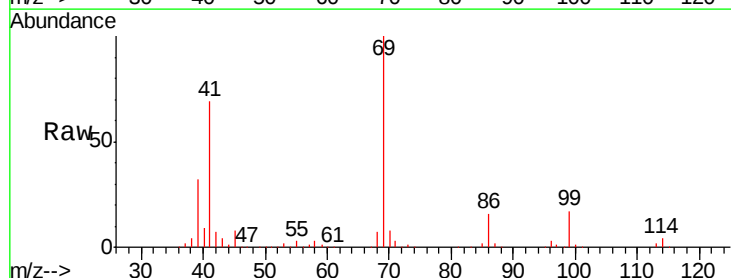


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

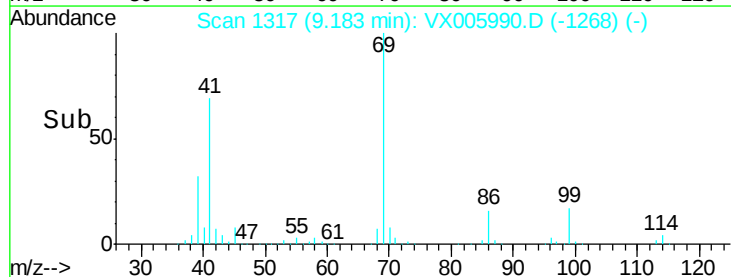
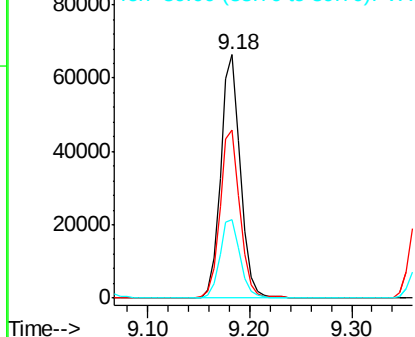


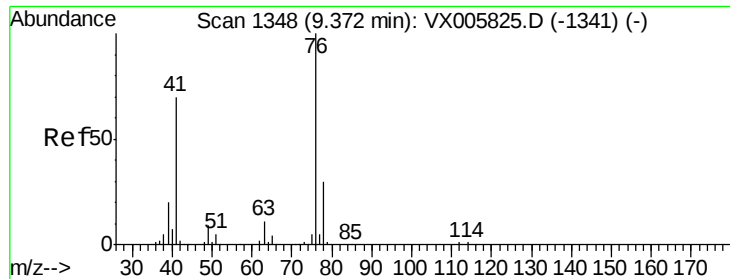
#56
 Ethyl methacrylate
 Concen: 51.58 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX005990.D
 Acq: 14 Nov 2018 22:48

Tgt Ion: 69 Resp: 89550
 Ion Ratio Lower Upper
 69 100
 41 70.5 57.0 85.6
 39 33.4 28.3 42.5



Abundance Ion 69.00 (68.70 to 69.70): VX0
 Ion 41.00 (40.70 to 41.70): VX0
 Ion 39.00 (38.70 to 39.70): VX0





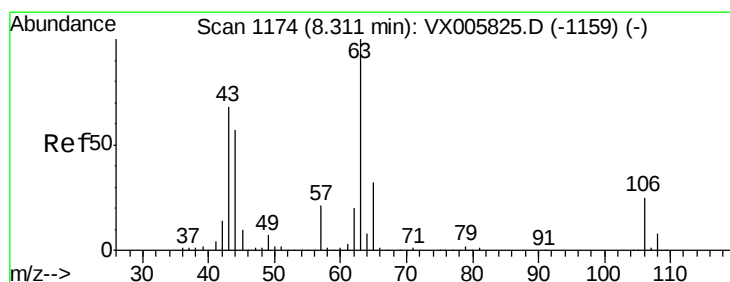
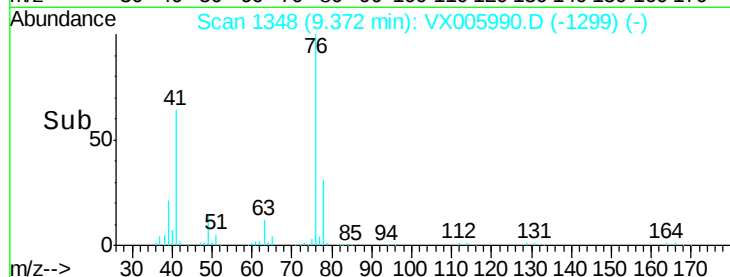
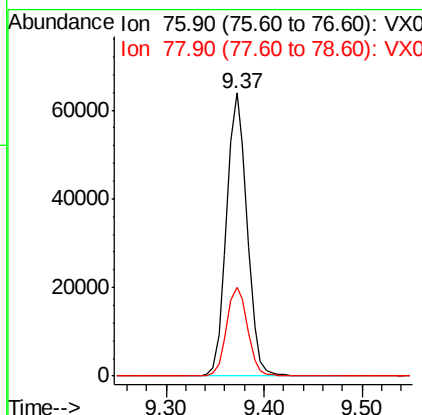
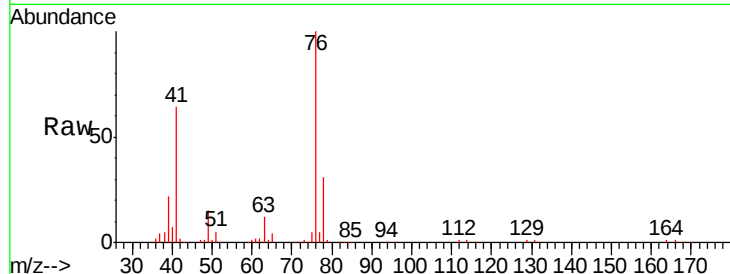
#57
 1,3-Dichloropropane
 Concen: 47.78 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX005990.D
 Acq: 14 Nov 2018 22:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 76 Resp: 93167
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.3 37.9

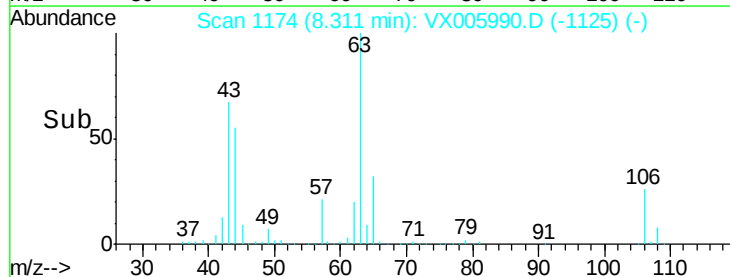
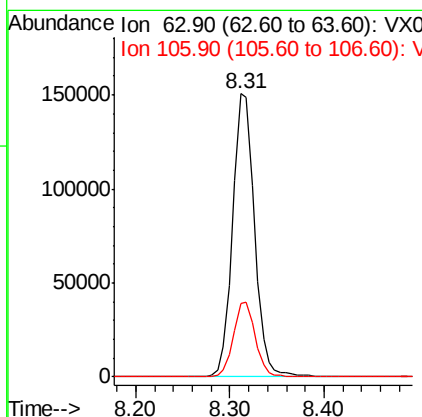
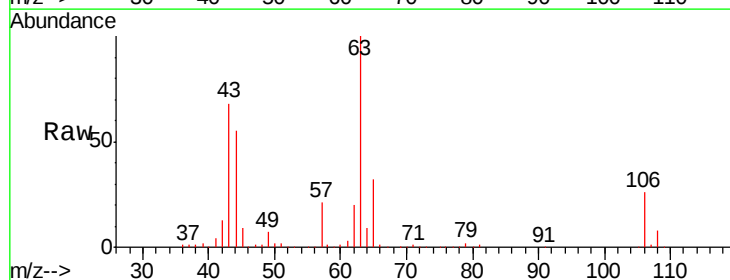
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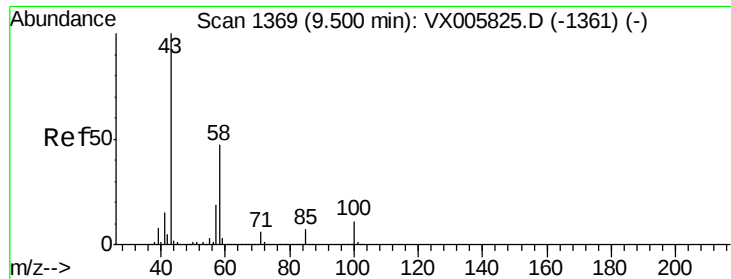
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#58
 2-Chloroethyl Vinyl ether
 Concen: 257.13 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX005990.D
 Acq: 14 Nov 2018 22:48

Tgt Ion: 63 Resp: 243490
 Ion Ratio Lower Upper
 63 100
 106 26.6 21.3 31.9





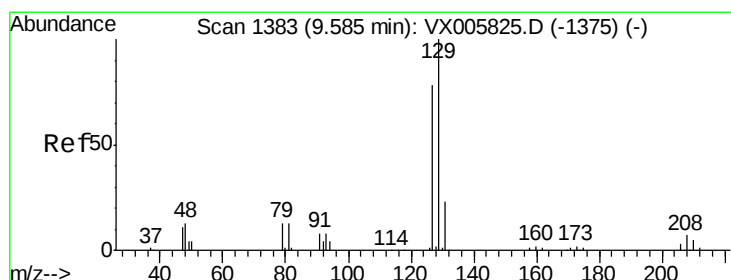
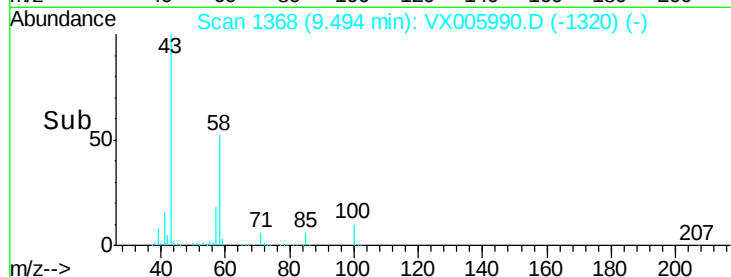
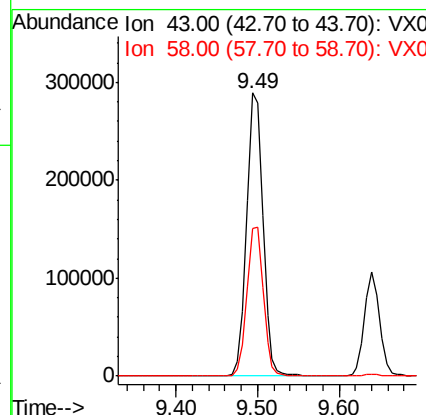
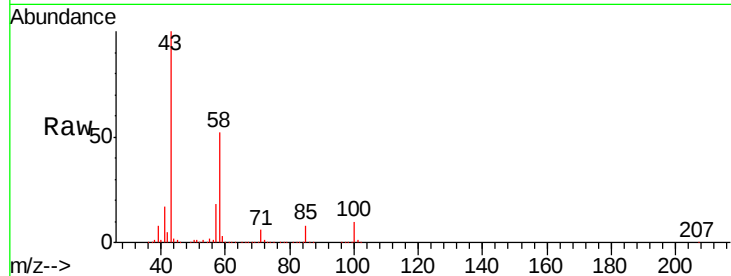
#59
2-Hexanone
Concen: 236.71 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX005990.D
Acq: 14 Nov 2018 22:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 400401
Ion Ratio Lower Upper
43 100
58 53.0 25.9 77.8

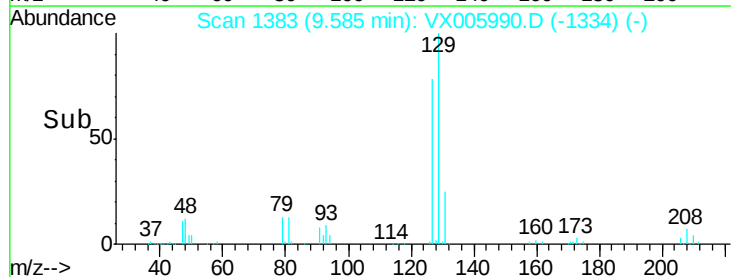
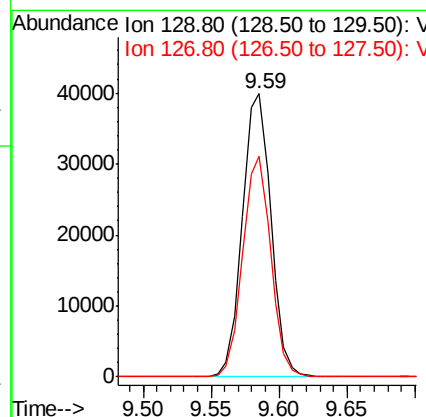
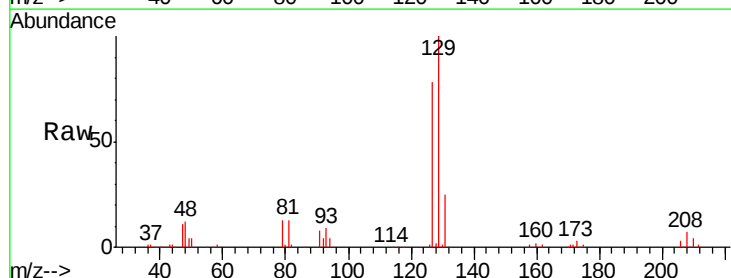
Manual Integrations
APPROVED

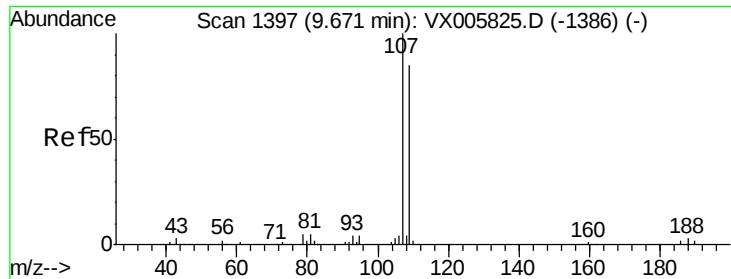
MMDadoda
11/15/2018 1:03:47 PM



#60
Dibromochloromethane
Concen: 46.73 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX005990.D
Acq: 14 Nov 2018 22:48

Tgt Ion: 129 Resp: 58605
Ion Ratio Lower Upper
129 100
127 76.5 38.9 116.7





#61

1,2-Dibromoethane

Concen: 44.73 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX005990.D

Acq: 14 Nov 2018 22:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 107 Resp: 57398

Ion Ratio Lower Upper

107 100

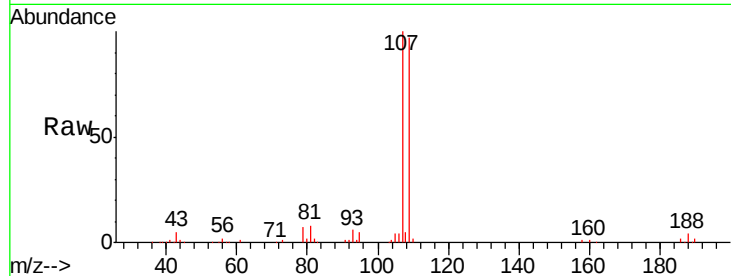
109 95.5 75.7 113.5

Manual Integrations

APPROVED

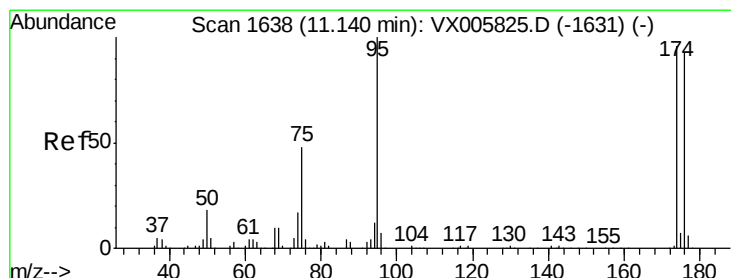
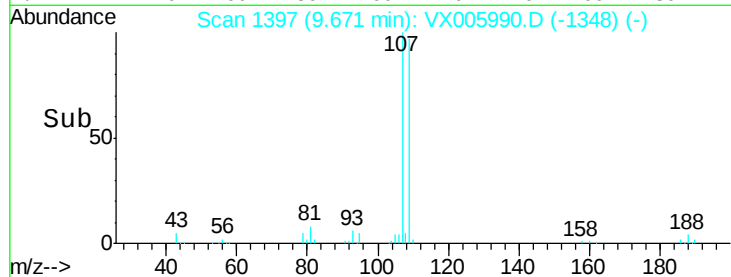
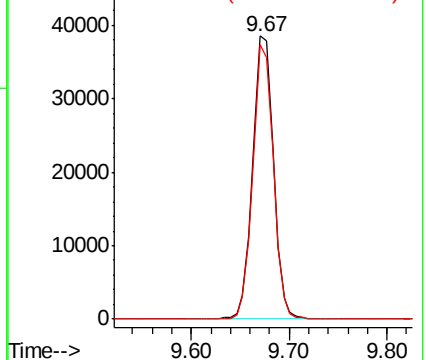
MMDadoda

11/15/2018 1:03:47 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 53.89 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005990.D

Acq: 14 Nov 2018 22:48

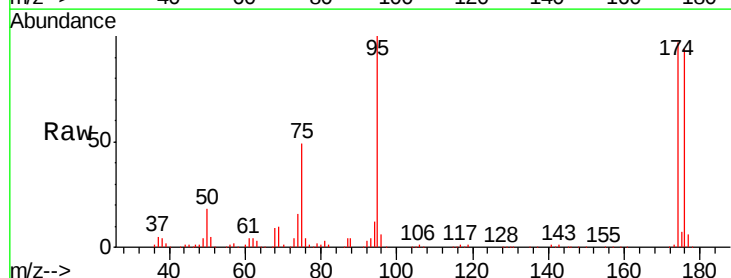
Tgt Ion: 95 Resp: 72623

Ion Ratio Lower Upper

95 100

174 91.3 0.0 184.4

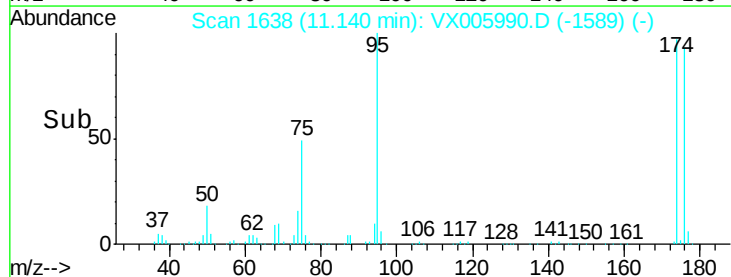
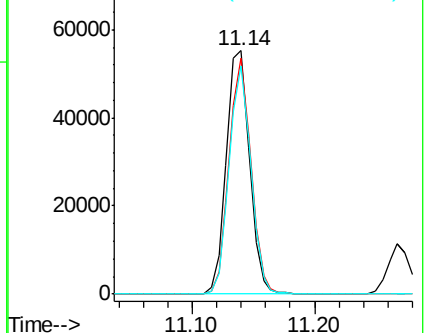
176 88.2 0.0 177.4

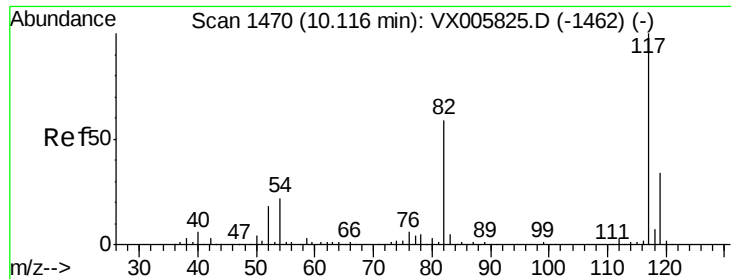


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





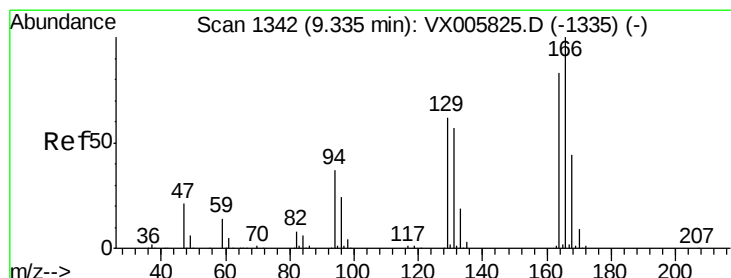
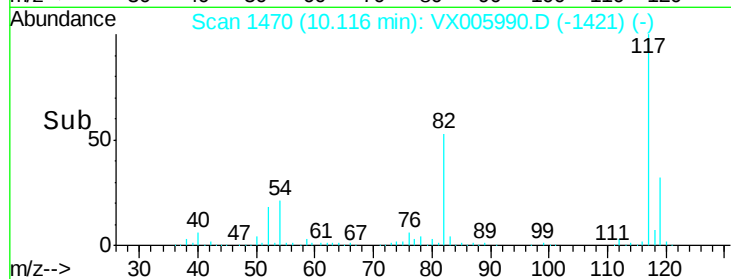
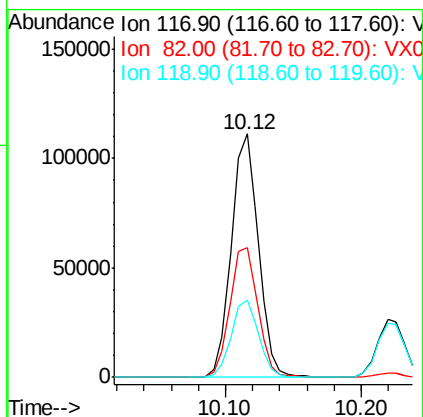
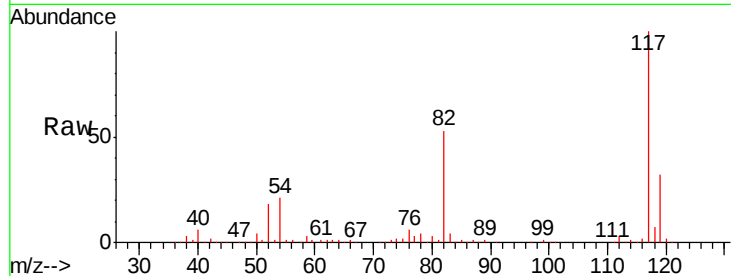
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005990.D
Acq: 14 Nov 2018 22:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	154235		
82	53.2	44.1	66.1	
119	31.8	26.2	39.2	

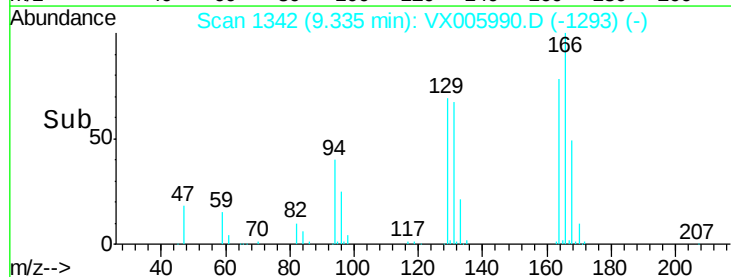
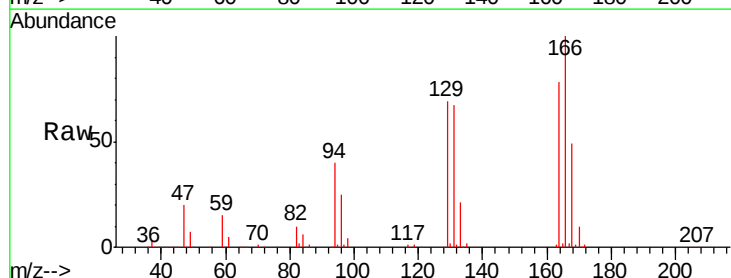
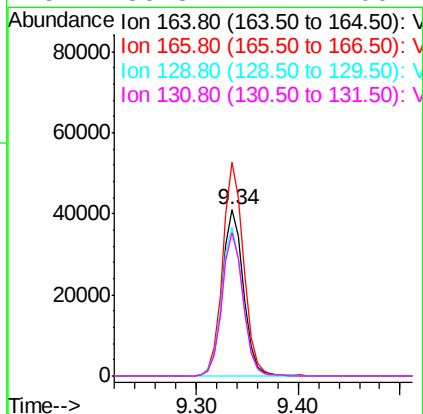
Manual Integrations
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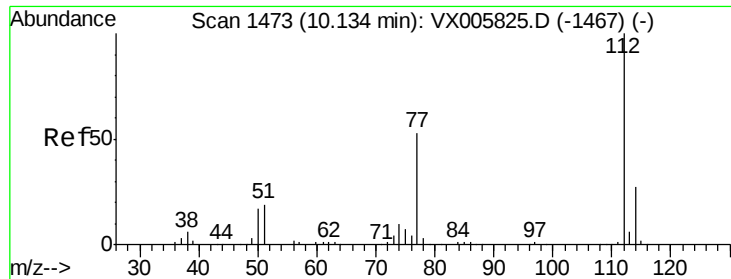
MMDadoda
11/15/2018 1:03:47 PM



#64
Tetrachloroethene
Concen: 44.97 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005990.D
Acq: 14 Nov 2018 22:48

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	59048		
166	128.4	101.9	152.9	
129	88.9	72.6	109.0	
131	86.3	71.1	106.7	





#65

Chlorobenzene

Concen: 48.32 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VX005990.D

Acq: 14 Nov 2018 22:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:112 Resp: 149294

Ion Ratio Lower Upper

112 100

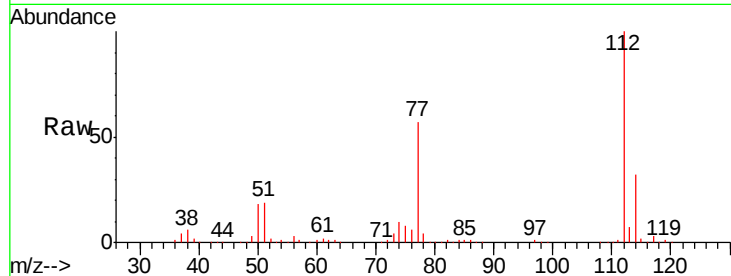
114 32.0 25.8 38.6

Manual Integrations

APPROVED

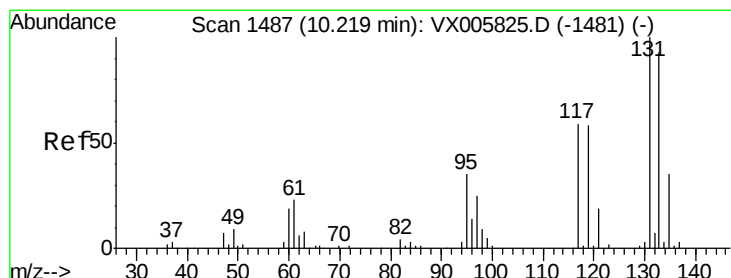
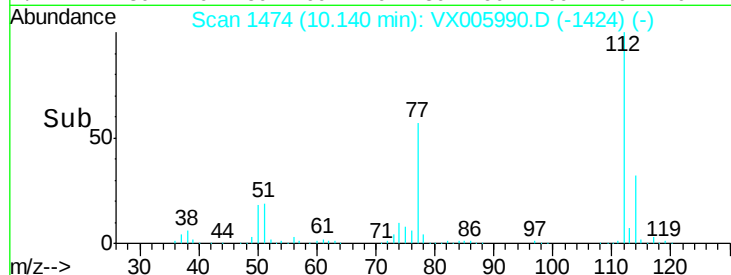
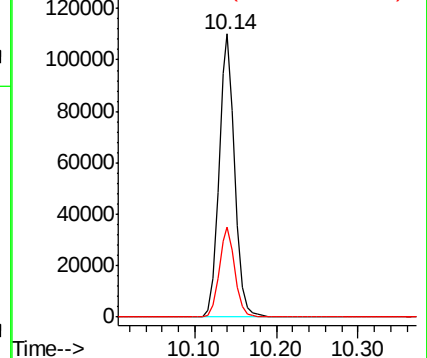
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 51.06 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX005990.D

Acq: 14 Nov 2018 22:48

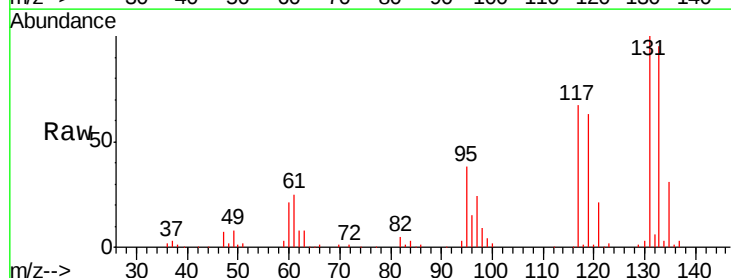
Tgt Ion:131 Resp: 54845

Ion Ratio Lower Upper

131 100

133 96.6 47.5 142.5

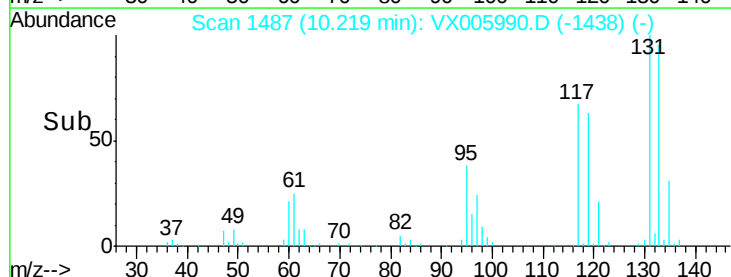
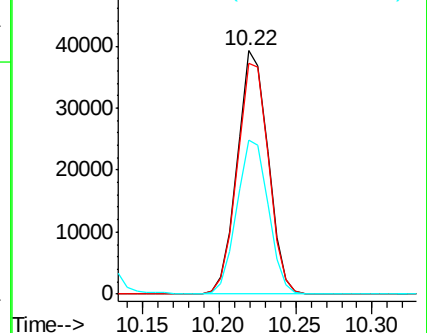
119 64.7 31.8 95.3

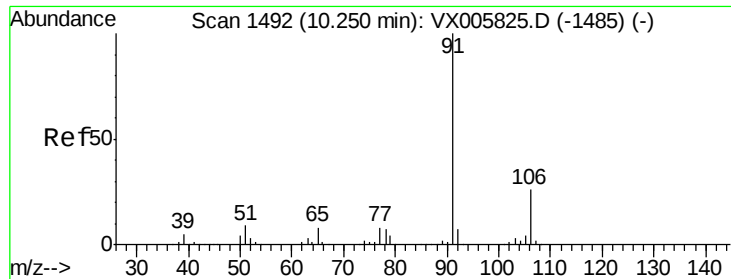


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 51.91 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX005990.D

Acq: 14 Nov 2018 22:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 257192

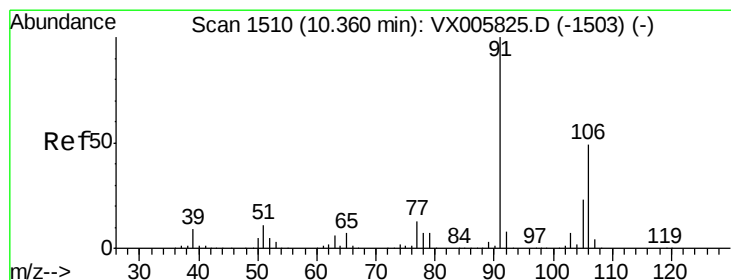
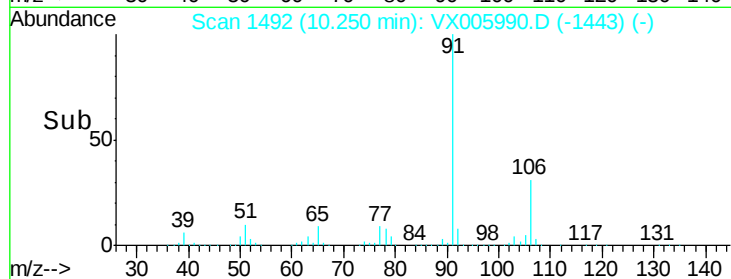
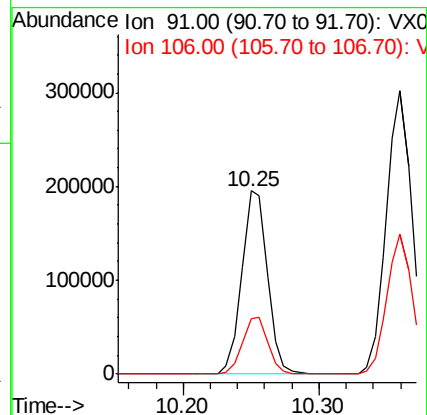
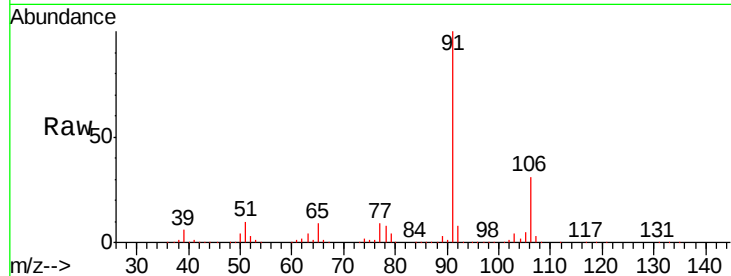
Ion Ratio Lower Upper

91 100

106 30.6 24.4 36.6

Manual Integrations
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#68

m/p-Xylenes

Concen: 104.03 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX005990.D

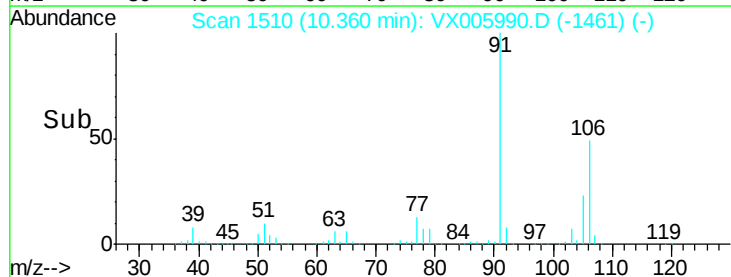
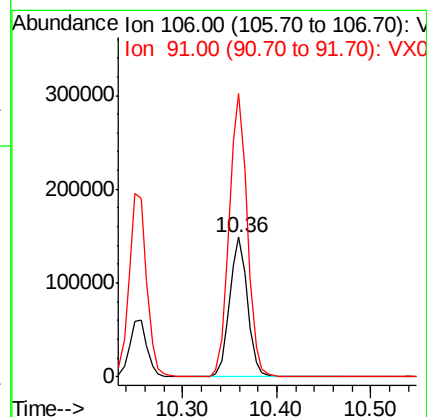
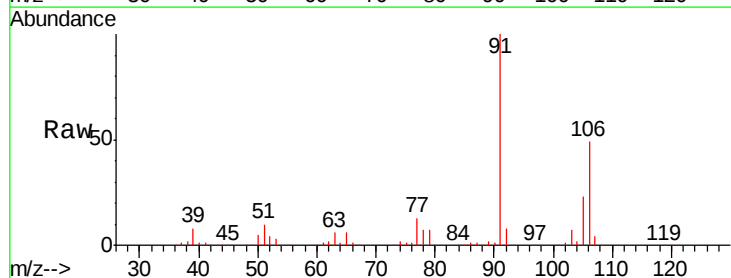
Acq: 14 Nov 2018 22:48

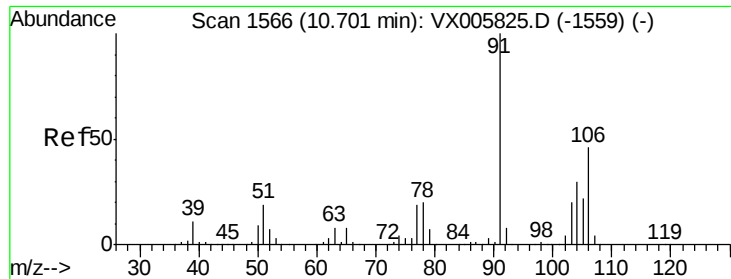
Tgt Ion: 106 Resp: 196603

Ion Ratio Lower Upper

106 100

91 205.4 164.2 246.4





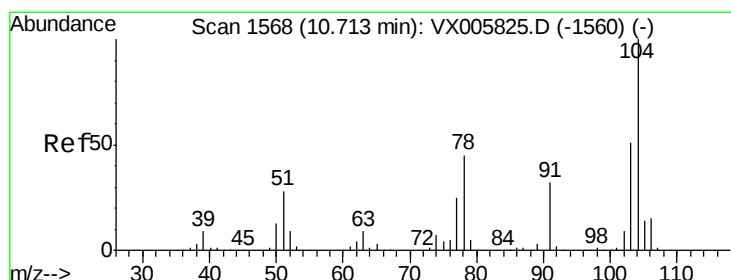
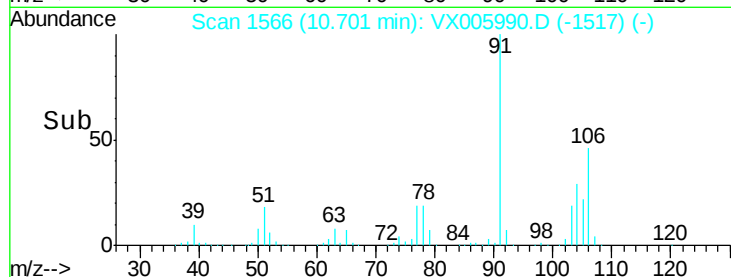
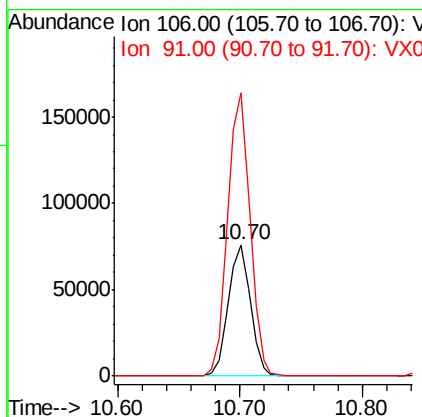
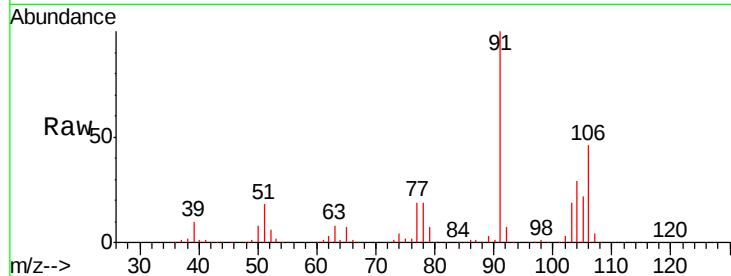
#69
o-Xylene
Concen: 56.12 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005990.D
Acq: 14 Nov 2018 22:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 95106
Ion Ratio Lower Upper
106 100
91 218.5 108.5 325.5

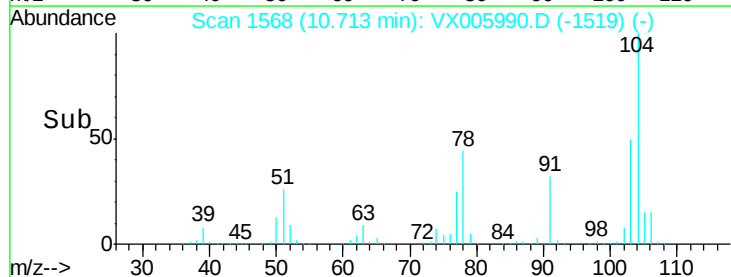
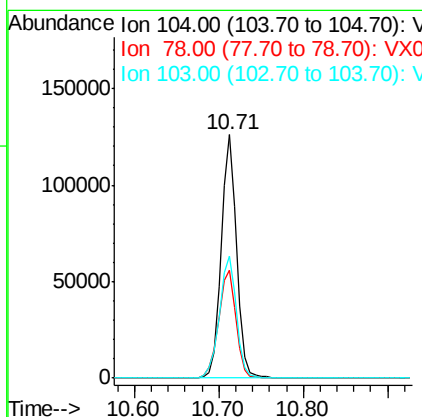
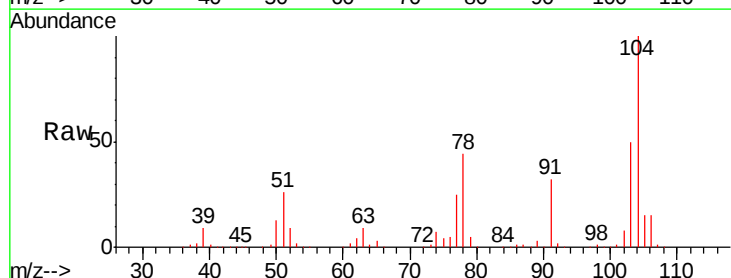
Manual Integrations
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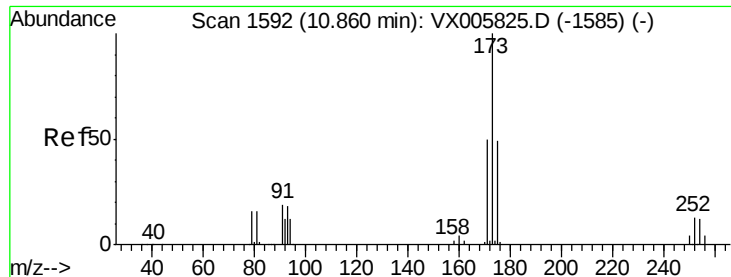
MMDadoda
11/15/2018 1:03:47 PM



#70
Styrene
Concen: 57.15 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005990.D
Acq: 14 Nov 2018 22:48

Tgt Ion:104 Resp: 159763
Ion Ratio Lower Upper
104 100
78 50.7 40.2 60.4
103 55.8 44.9 67.3





#71

Bromoform

Concen: 54.23 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX005990.D

Acq: 14 Nov 2018 22:48

Instrument :

MSVOA_X

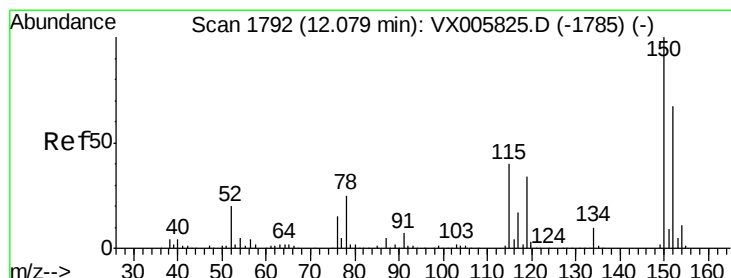
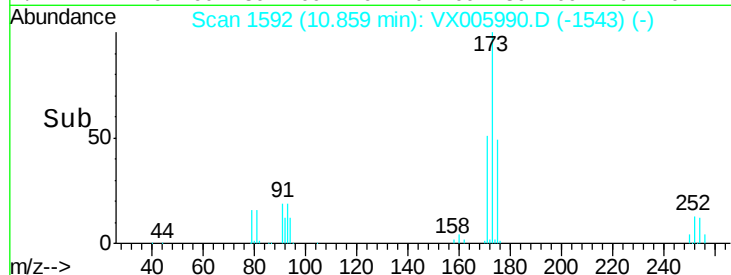
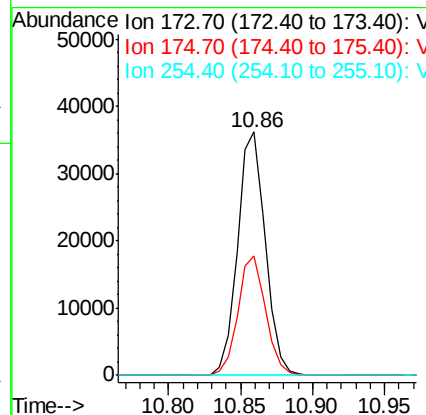
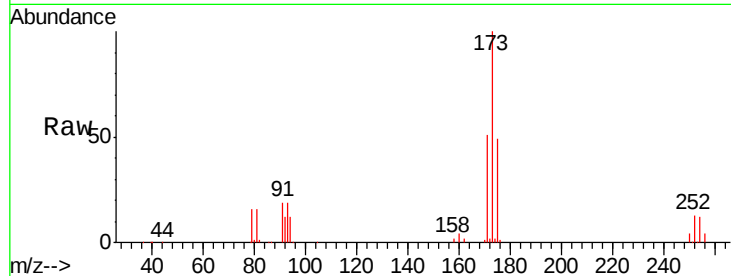
ClientSampleId :

VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.8	74.3
254	0.0	0.2	0.2

Manual Integrations
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11/15/2018 1:03:47 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

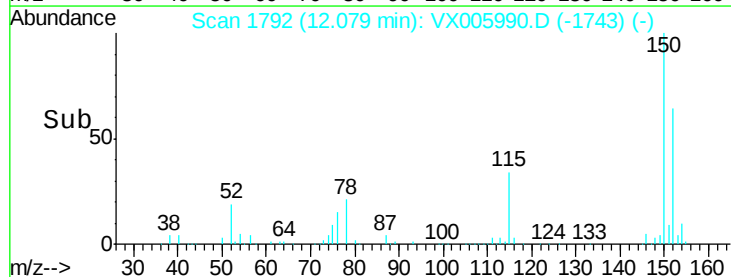
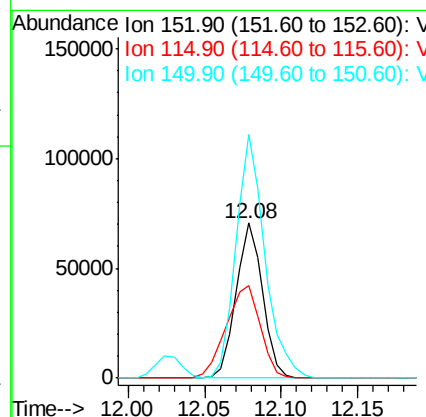
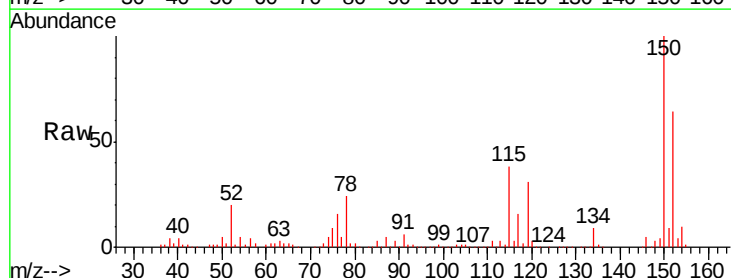
RT: 12.08 min Scan# 1792

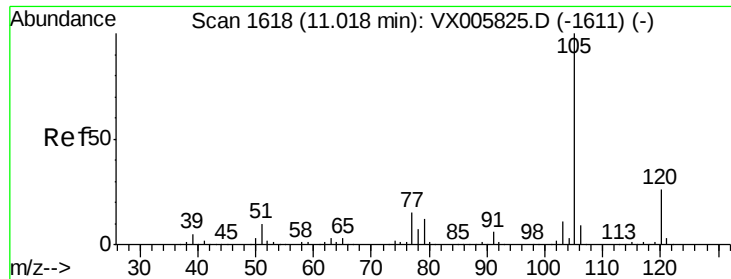
Delta R.T. -0.00 min

Lab File: VX005990.D

Acq: 14 Nov 2018 22:48

Tgt Ion	Ratio	Lower	Upper
152	100		
115	77.3	39.4	118.1
150	172.0	0.0	346.4





#73

Isopropylbenzene

Concen: 53.58 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX005990.D

Acq: 14 Nov 2018 22:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 105 Resp: 261757

Ion Ratio Lower Upper

105 100

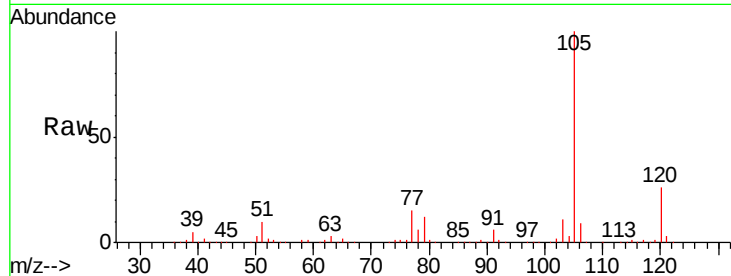
120 26.6 13.1 39.3

Manual Integrations

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MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

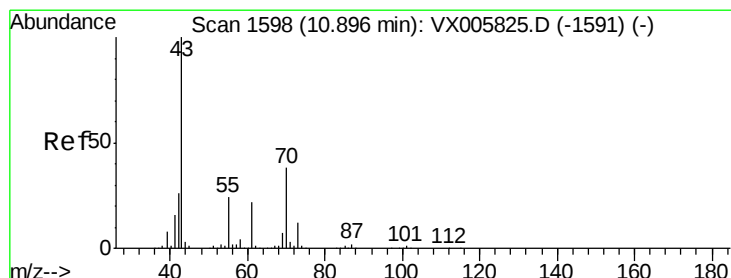
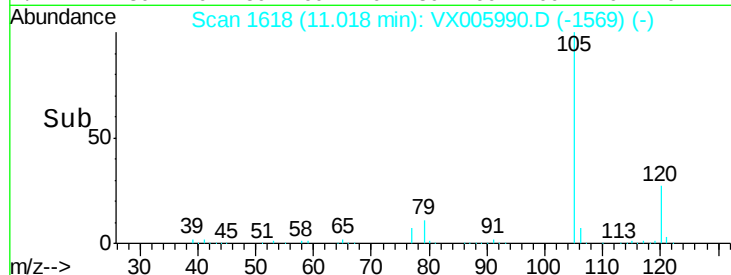
50000

0

11.02

11.10

Time-->



#74

N-ethyl acetate

Concen: 48.69 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX005990.D

Acq: 14 Nov 2018 22:48

Tgt Ion: 43 Resp: 133374

Ion Ratio Lower Upper

43 100

70 39.4 31.6 47.4

55 23.9 19.7 29.5

61 23.0 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

150000

100000

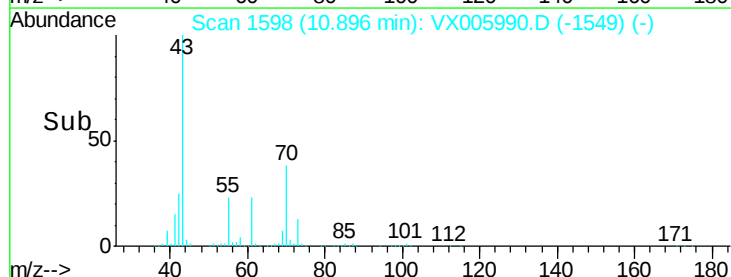
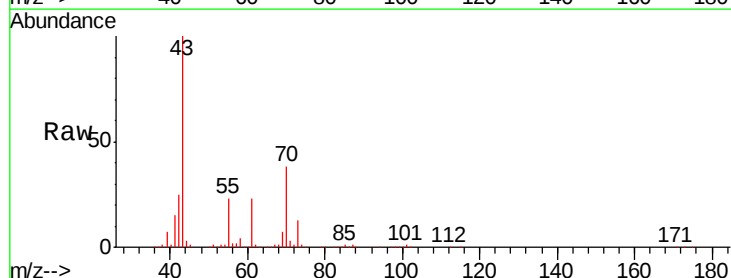
50000

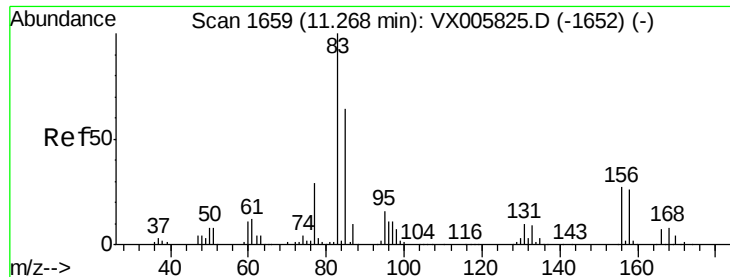
0

10.90

11.00

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 50.76 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005990.D

Acq: 14 Nov 2018 22:48

Instrument :

MSVOA_X

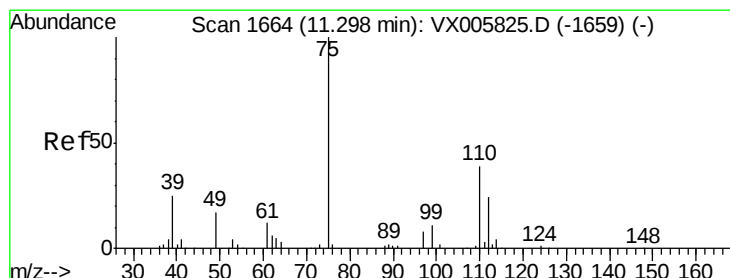
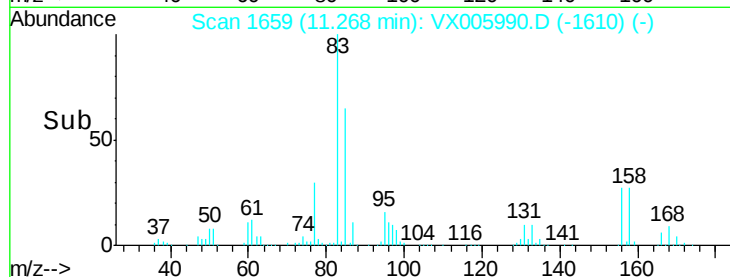
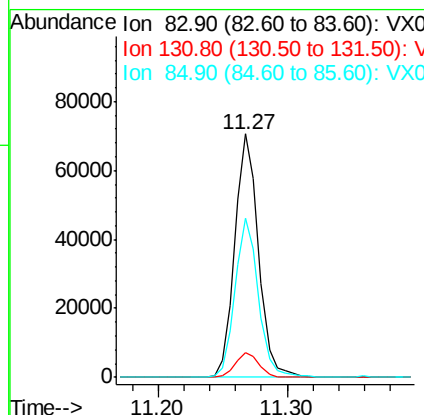
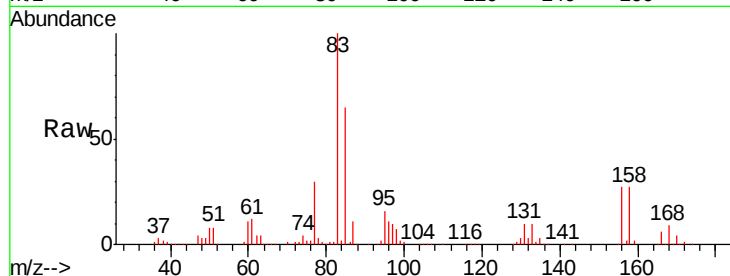
ClientSampleId :

VSTDCCC050

Tgt Ion:	83	Resp:	91031
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.3	15.9
85	64.6	32.0	96.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 51.28 ug/l m

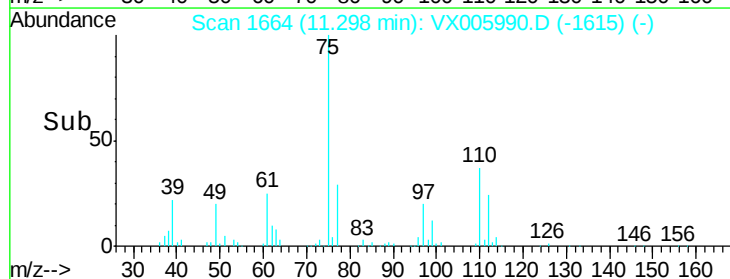
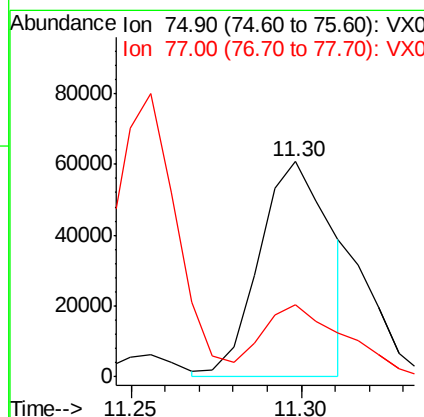
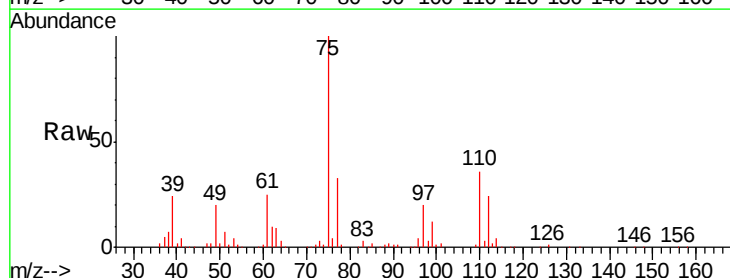
RT: 11.30 min Scan# 1664

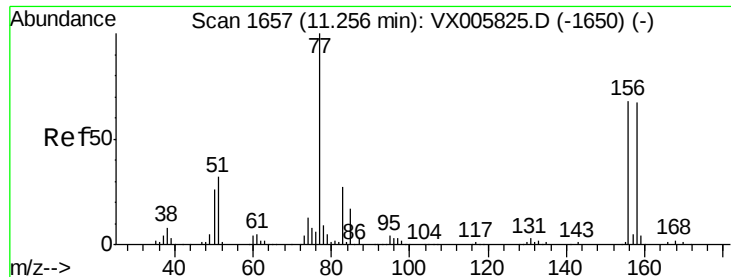
Delta R.T. -0.00 min

Lab File: VX005990.D

Acq: 14 Nov 2018 22:48

Tgt Ion:	75	Resp:	88222
Ion Ratio	Lower	Upper	
75	100		
77	39.1	20.5	61.6





#77

Bromobenzene

Concen: 50.10 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005990.D

Acq: 14 Nov 2018 22:48

Instrument :

MSVOA_X

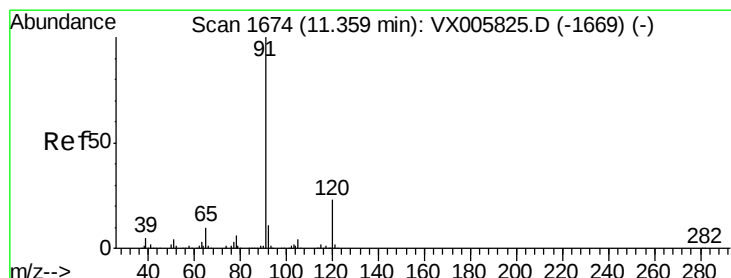
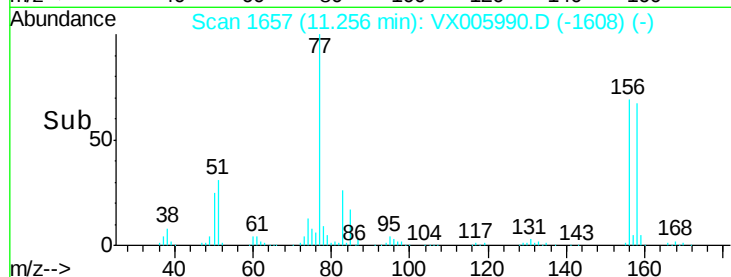
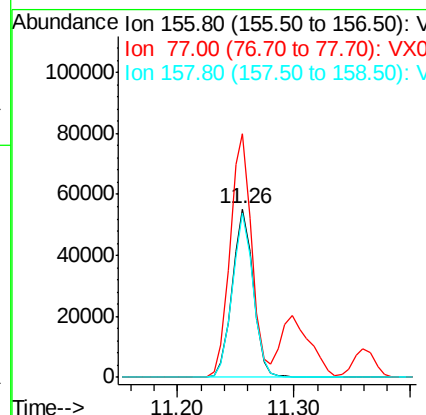
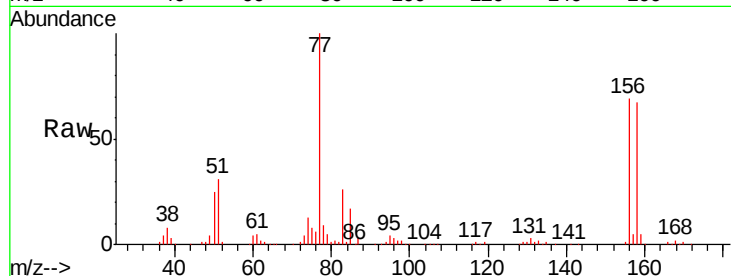
ClientSampleId :

VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
156	100		
77	148.9	74.8	224.4
158	97.4	49.1	147.3

Manual Integrations
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#78

n-propylbenzene

Concen: 51.90 ug/l

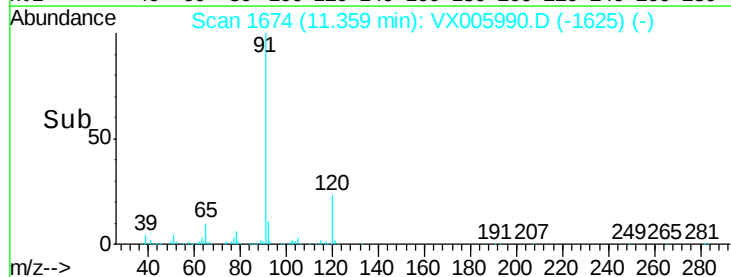
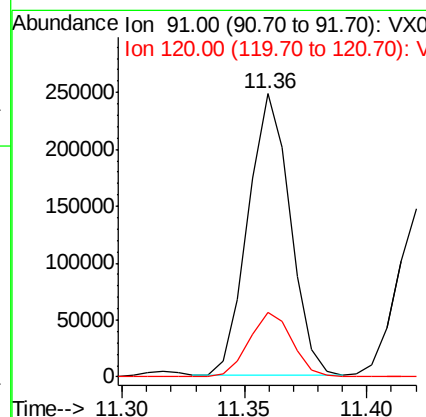
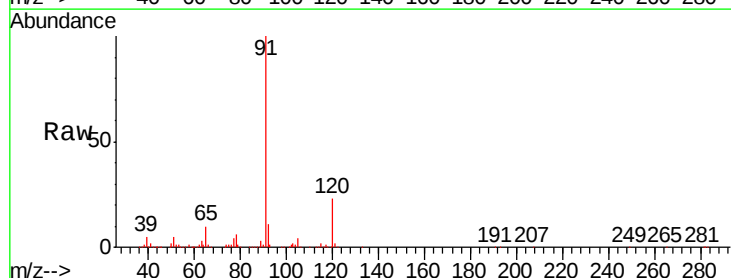
RT: 11.36 min Scan# 1674

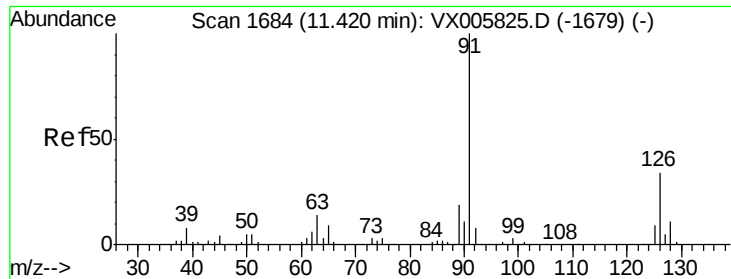
Delta R.T. -0.00 min

Lab File: VX005990.D

Acq: 14 Nov 2018 22:48

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.6	11.9	35.5





#79

2-Chlorotoluene

Concen: 51.61 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX005990.D

Acq: 14 Nov 2018 22:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 179613

Ion Ratio Lower Upper

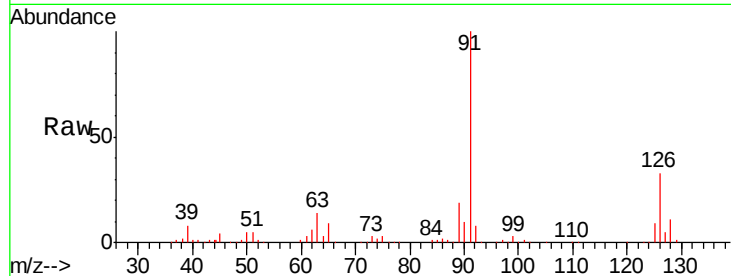
91 100

126 34.4 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) (-)

250000

200000

150000

100000

50000

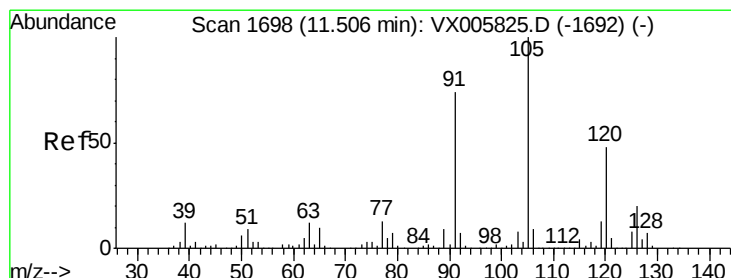
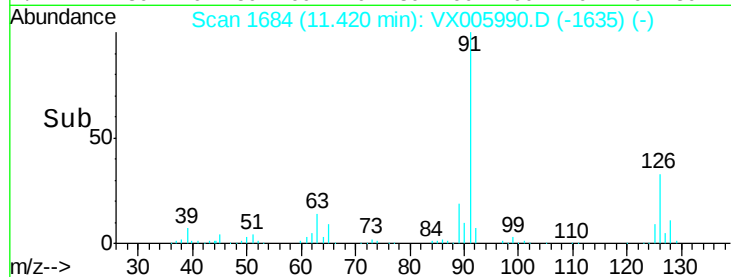
0

11.40

11.42

11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 52.98 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX005990.D

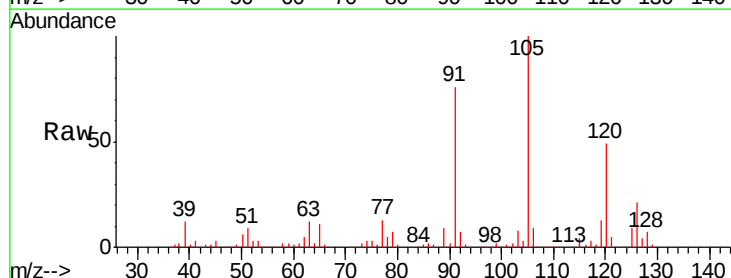
Acq: 14 Nov 2018 22:48

Tgt Ion: 105 Resp: 219967

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) (-)

200000

150000

100000

50000

0

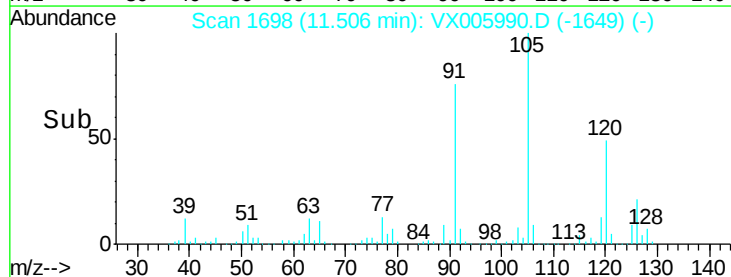
11.40

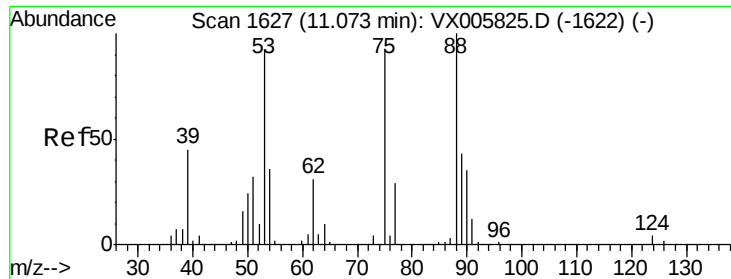
11.50

11.51

11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 50.83 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX005990.D

Acq: 14 Nov 2018 22:48

Instrument :

MSVOA_X

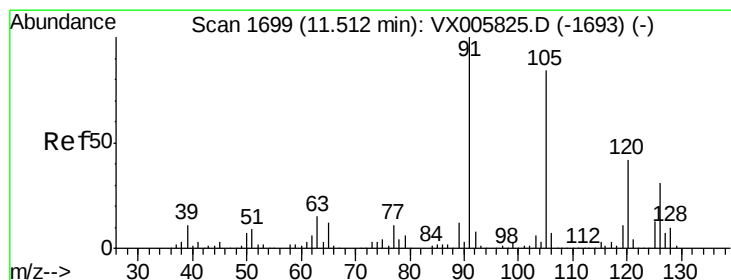
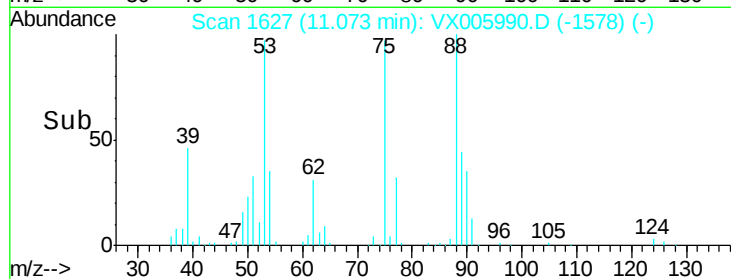
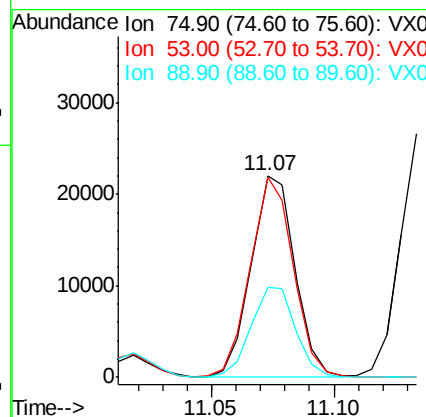
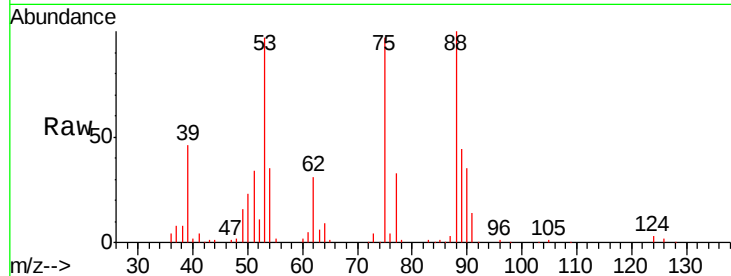
ClientSampleId :

VSTDCCC050

Tgt Ion:	75	Resp:	27434
Ion Ratio	Lower	Upper	
75	100		
53	98.3	80.2	120.2
89	46.0	39.8	59.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 51.37 ug/l

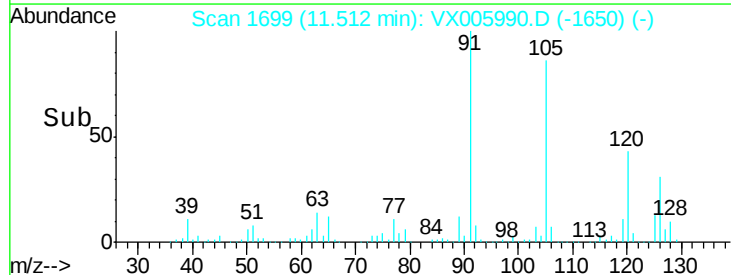
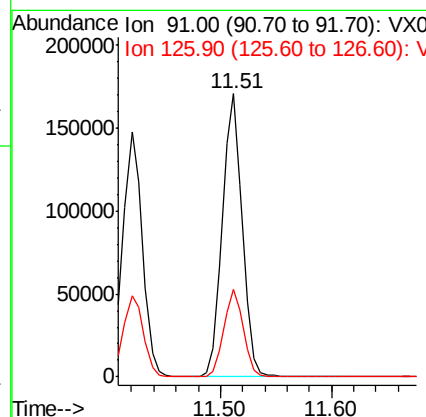
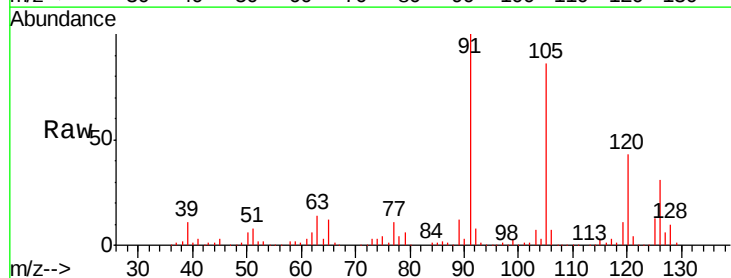
RT: 11.51 min Scan# 1699

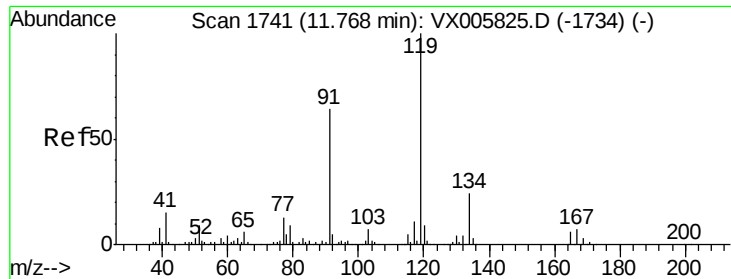
Delta R.T. -0.00 min

Lab File: VX005990.D

Acq: 14 Nov 2018 22:48

Tgt Ion:	91	Resp:	210693
Ion Ratio	Lower	Upper	
91	100		
126	30.3	15.2	45.6





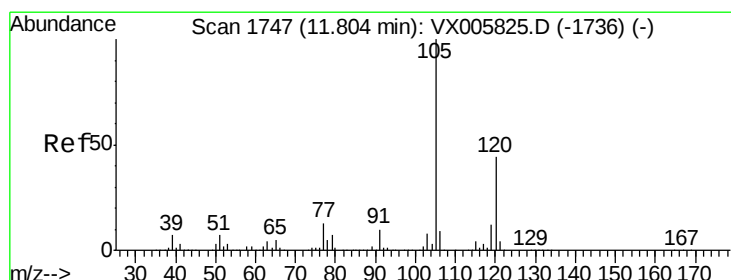
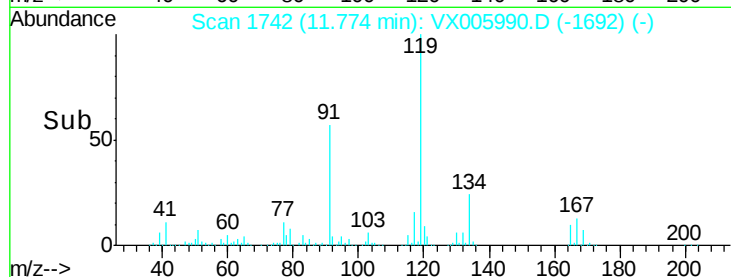
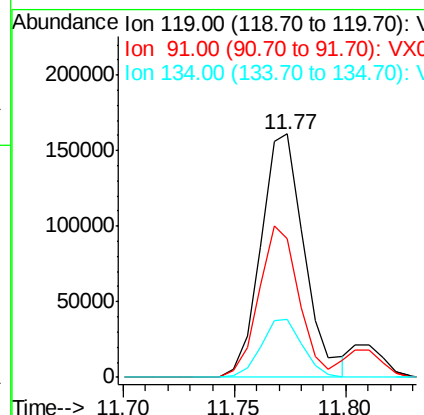
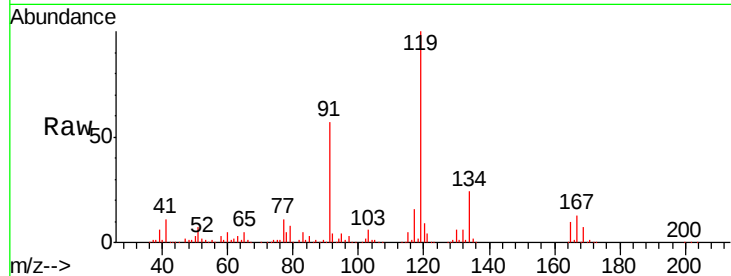
#83
 tert-Butylbenzene
 Concen: 52.03 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. 0.01 min
 Lab File: VX005990.D
 Acq: 14 Nov 2018 22:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	218553		
91	57.4	28.5	85.5	
134	22.9	11.3	33.8	

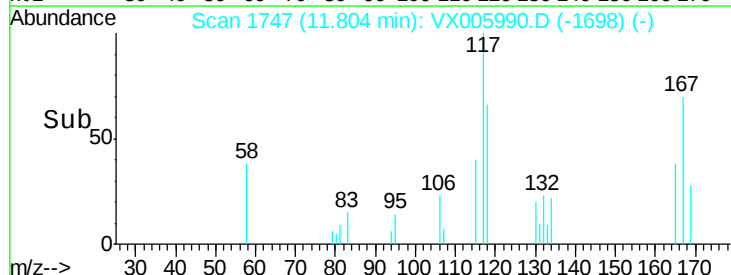
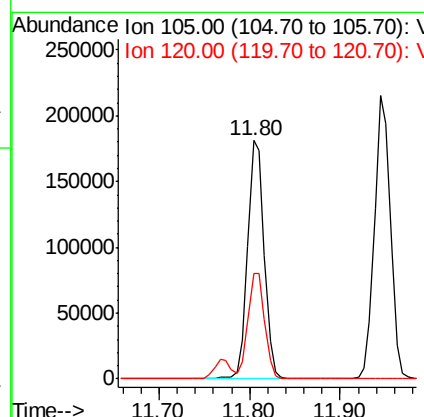
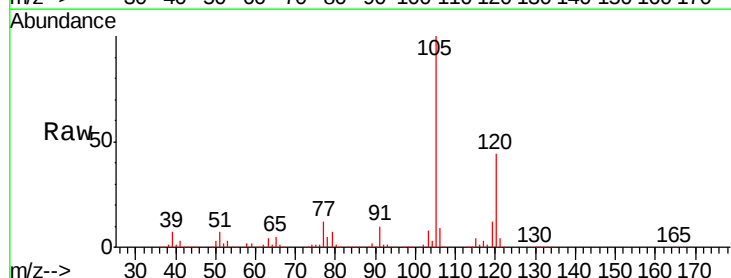
Manual Integrations
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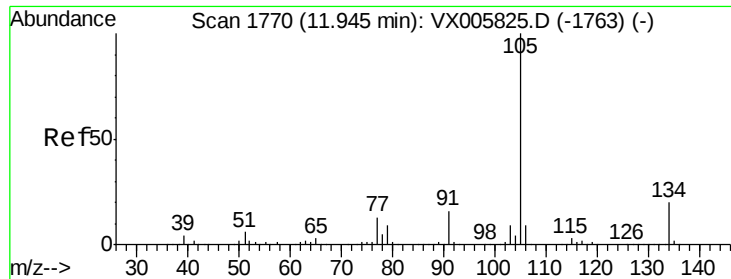
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#84
 1,2,4-Trimethylbenzene
 Concen: 49.84 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX005990.D
 Acq: 14 Nov 2018 22:48

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	228370		
120	44.7	22.4	67.0	





#85

sec-Butylbenzene

Concen: 51.25 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX005990.D

Acq: 14 Nov 2018 22:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:105 Resp: 263237

Ion Ratio Lower Upper

105 100

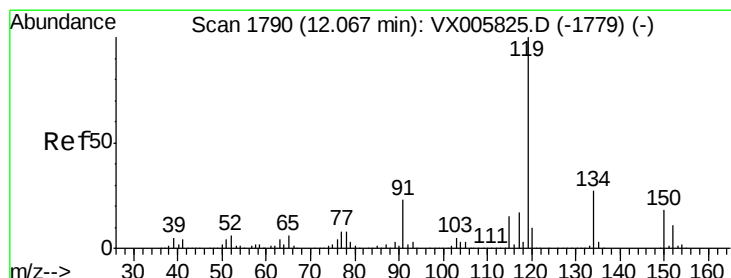
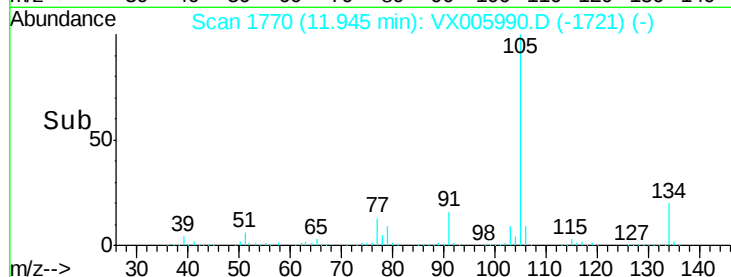
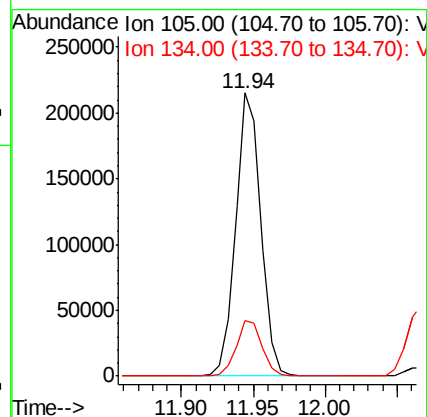
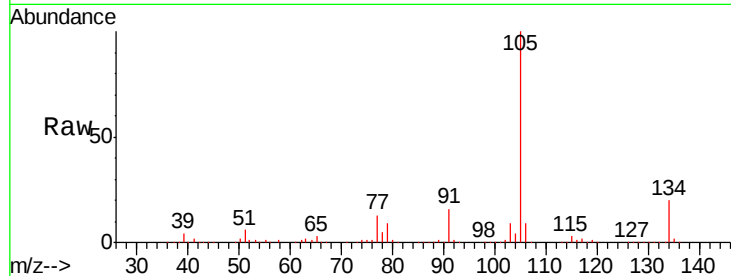
134 20.2 10.2 30.4

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 51.69 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX005990.D

Acq: 14 Nov 2018 22:48

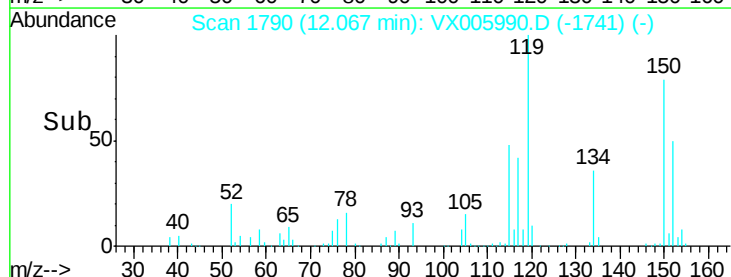
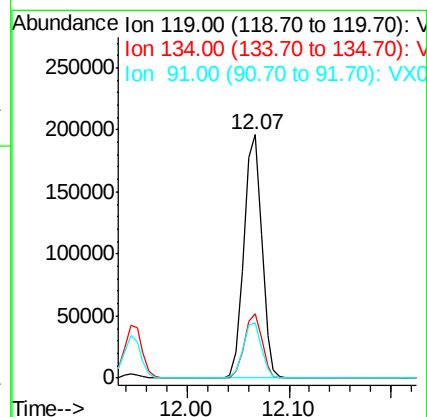
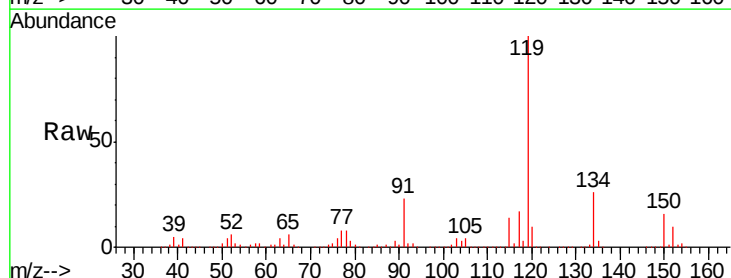
Tgt Ion:119 Resp: 235165

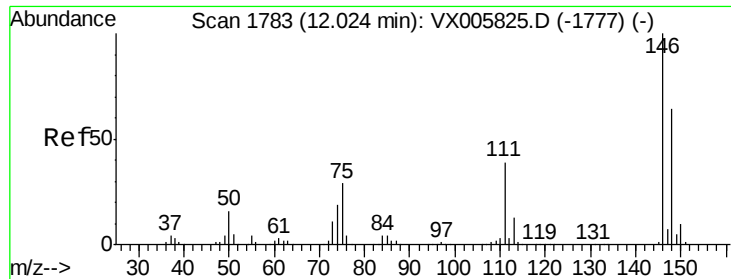
Ion Ratio Lower Upper

119 100

134 26.2 13.0 39.0

91 23.3 11.4 34.2





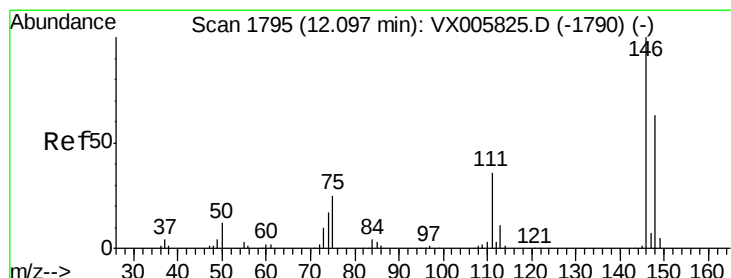
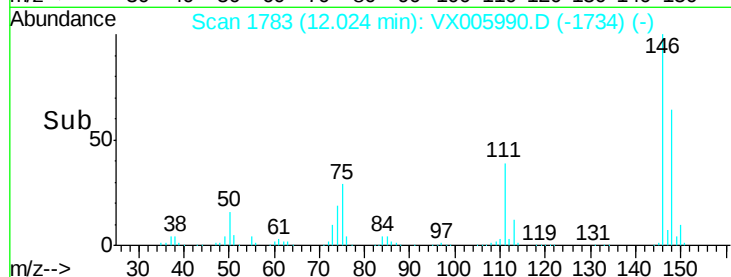
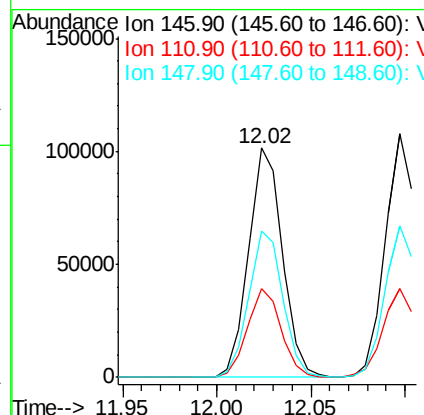
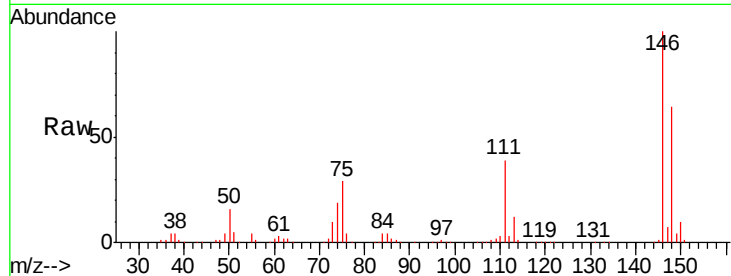
#87
 1,3-Dichlorobenzene
 Concen: 47.96 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX005990.D
 Acq: 14 Nov 2018 22:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.0	57.0
148	64.2	31.9	95.9

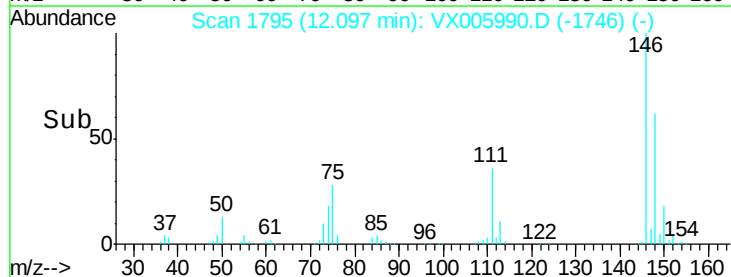
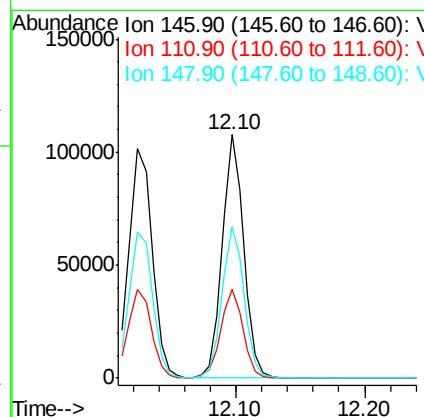
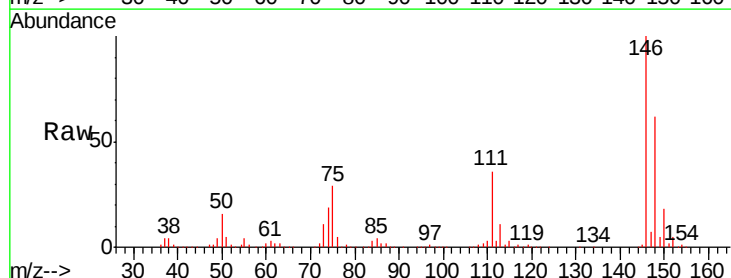
Manual Integrations
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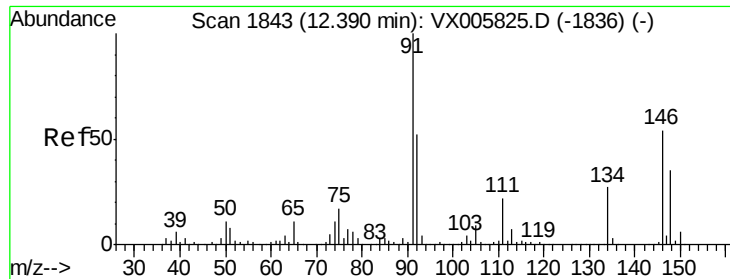
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#88
 1,4-Dichlorobenzene
 Concen: 47.18 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX005990.D
 Acq: 14 Nov 2018 22:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.6	55.8
148	64.0	32.1	96.3





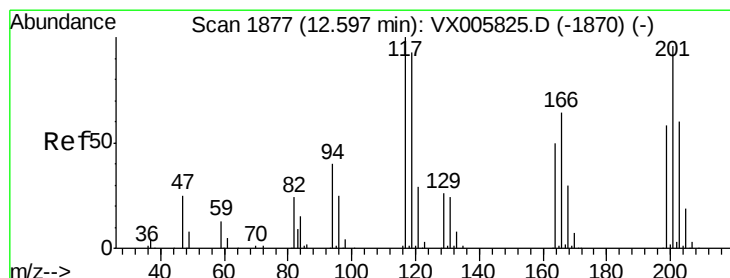
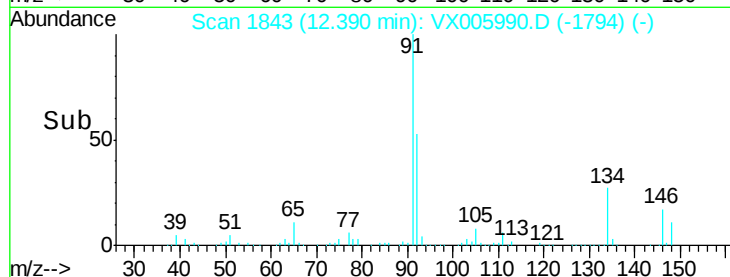
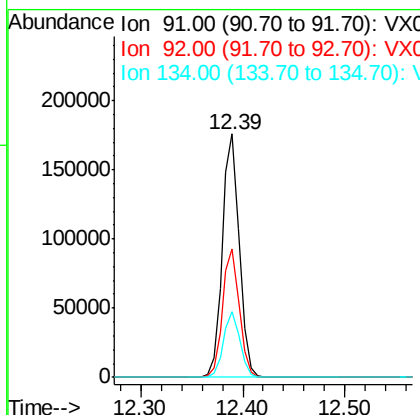
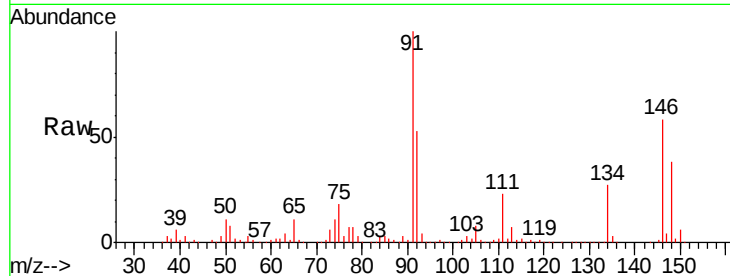
#89
n-Butylbenzene
Concen: 48.36 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005990.D
Acq: 14 Nov 2018 22:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.1	78.2
134	26.4	13.1	39.3

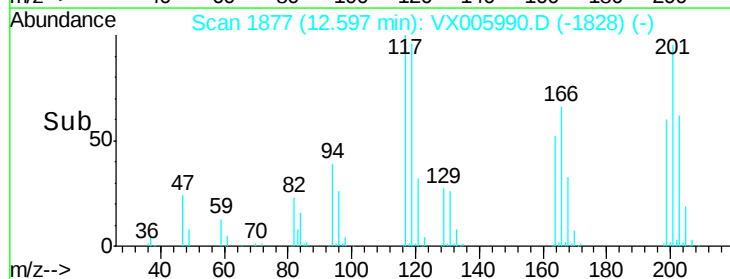
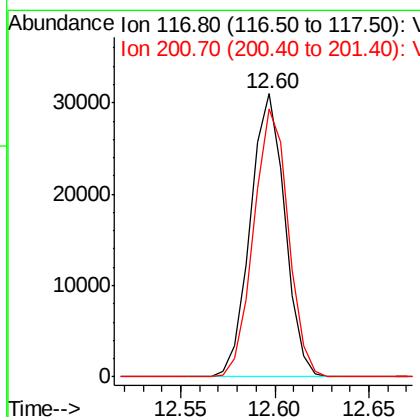
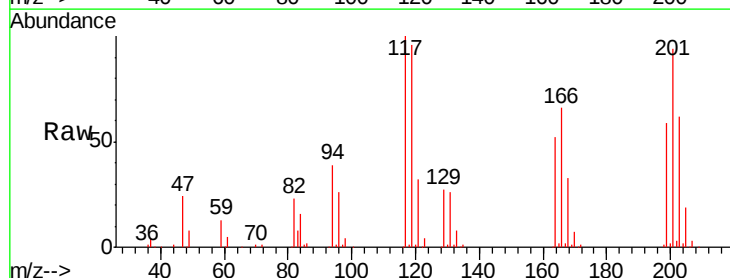
Manual Integrations
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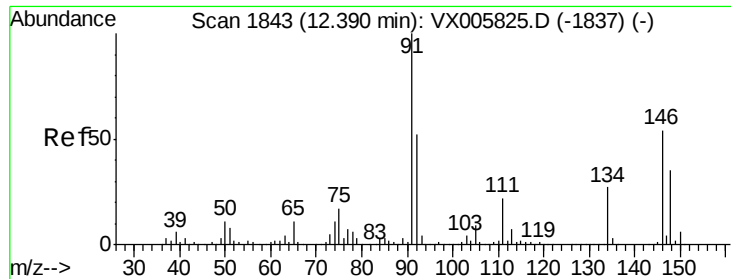
MMDadoda
11/15/2018 1:03:47 PM



#90
Hexachloroethane
Concen: 51.64 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX005990.D
Acq: 14 Nov 2018 22:48

Tgt Ion	Ratio	Lower	Upper
117	100		
201	95.3	47.9	143.6





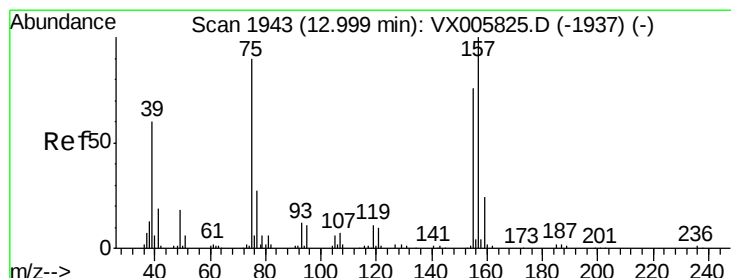
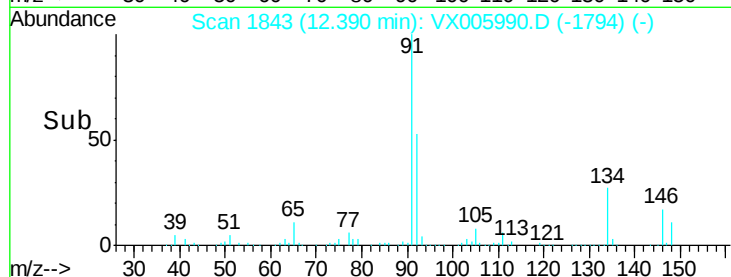
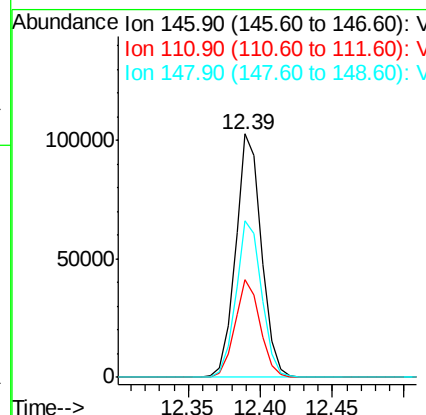
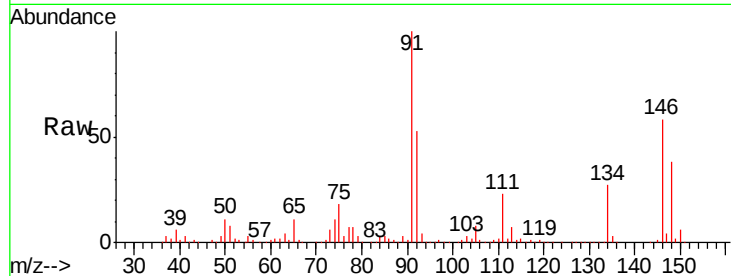
#91
1,2-Dichlorobenzene
Concen: 48.60 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005990.D
Acq: 14 Nov 2018 22:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	128658		
111	39.3	20.0	59.9	
148	64.4	32.2	96.6	

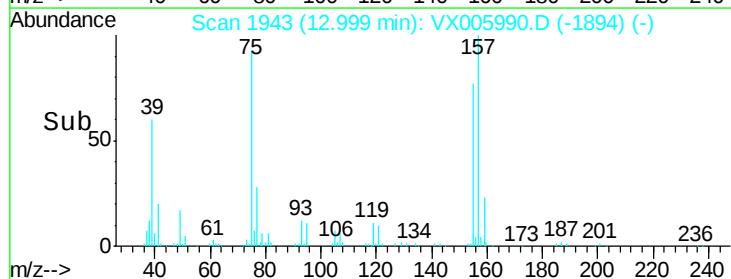
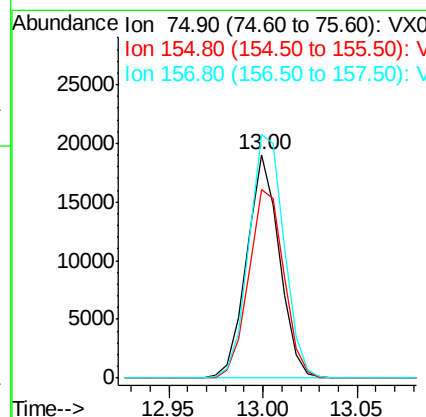
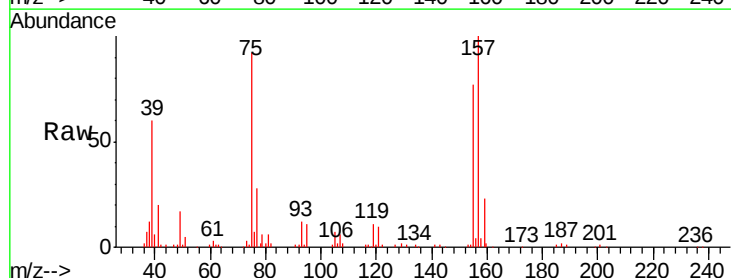
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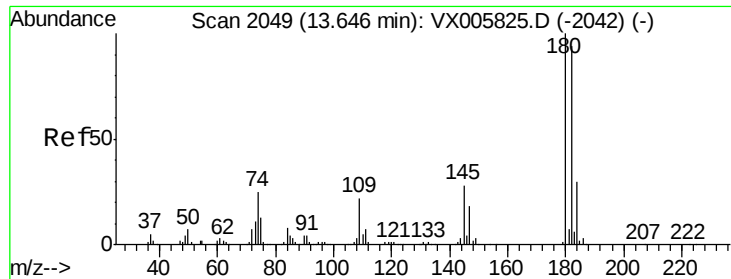
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#92
1,2-Dibromo-3-Chloropropane
Concen: 52.19 ug/l
RT: 13.00 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VX005990.D
Acq: 14 Nov 2018 22:48

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	22839		
155	90.7	45.4	136.1	
157	117.4	57.4	172.0	





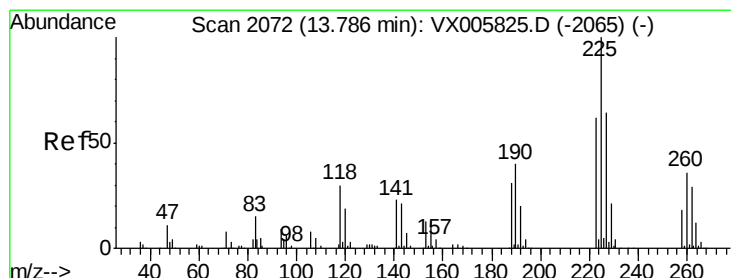
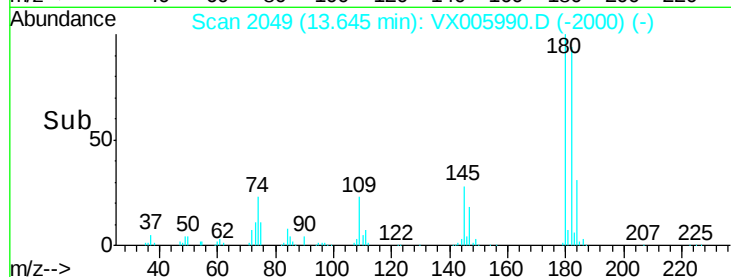
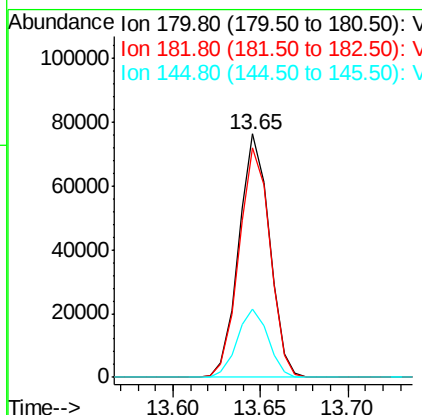
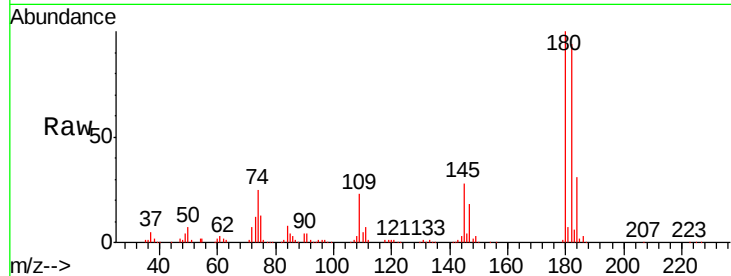
#93
1,2,4-Trichlorobenzene
Concen: 50.01 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. -0.00 min
Lab File: VX005990.D
Acq: 14 Nov 2018 22:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.6	142.8
145	28.2	14.1	42.2

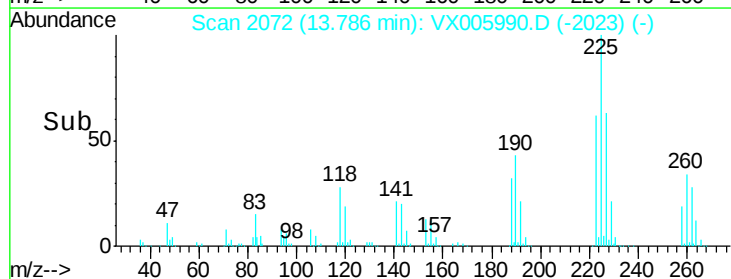
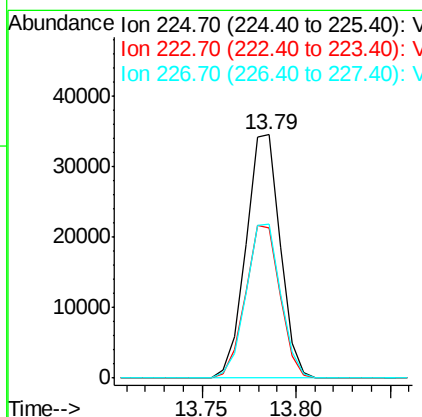
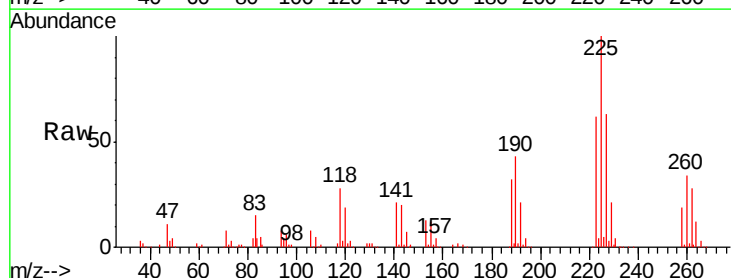
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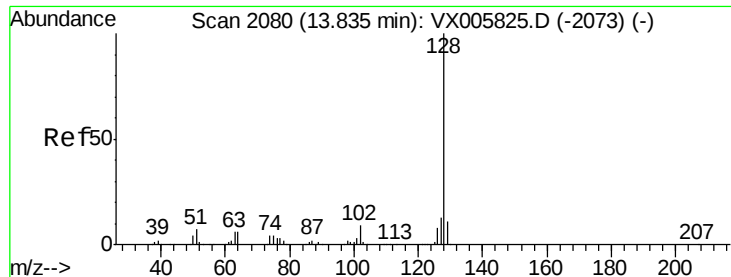
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#94
Hexachlorobutadiene
Concen: 44.66 ug/l
RT: 13.79 min Scan# 2072
Delta R.T. -0.00 min
Lab File: VX005990.D
Acq: 14 Nov 2018 22:48

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.7	95.1
227	63.7	32.3	96.9





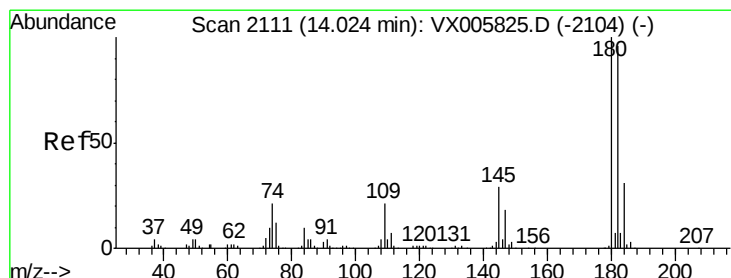
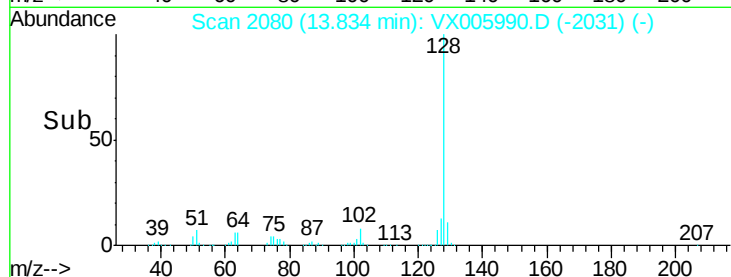
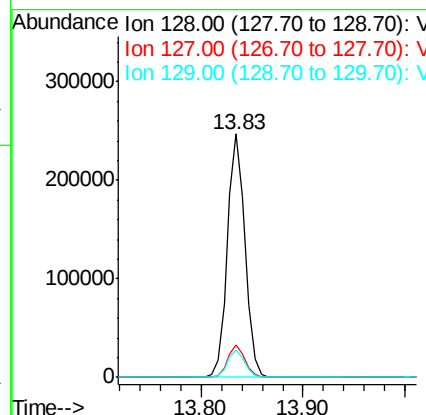
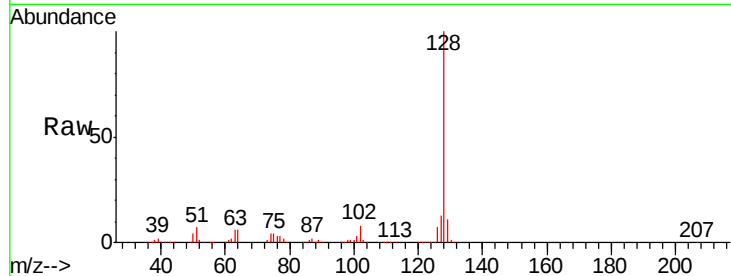
#95
Naphthalene
Concen: 48.56 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX005990.D
Acq: 14 Nov 2018 22:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	294917		
127	13.0	10.4	15.6	
129	11.0	8.7	13.1	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 50.31 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.01 min
Lab File: VX005990.D
Acq: 14 Nov 2018 22:48

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	95522		
182	96.1	48.0	144.2	
145	29.7	15.1	45.3	

