

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110918\
 Data File : VX005853.D
 Acq On : 09 Nov 2018 10:09
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/12/2018 9:11:36 AM

Quant Time: Nov 12 00:08:03 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	155951	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	203661	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	172456	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	99586	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	85830	47.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.74%	
35) Dibromofluoromethane	5.49	113	72573	52.39	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	104.78%	
50) Toluene-d8	8.71	98	230483	50.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.10%	
62) 4-Bromofluorobenzene	11.13	95	86926	52.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	63035	44.830	ug/l	97
3) Chloromethane	1.32	50	78601	42.595	ug/l	99
4) Vinyl Chloride	1.41	62	80610	43.514	ug/l	98
5) Bromomethane	1.64	94	45587	40.212	ug/l	93
6) Chloroethane	1.72	64	45838	41.470	ug/l	97
7) Trichlorofluoromethane	1.93	101	106724	43.402	ug/l	98
8) Diethyl Ether	2.18	74	45376	47.094	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.39	101	66791	47.228	ug/l	98
10) Methyl Iodide	2.51	142	72577	42.343	ug/l	99
11) Tert butyl alcohol	3.07	59	96678	188.239	ug/l	100
12) 1,1-Dichloroethene	2.37	96	59834	43.407	ug/l	85
13) Acrolein	2.29	56	42333	178.780	ug/l	98
14) Allyl chloride	2.73	41	134267	43.613	ug/l	97
15) Acrylonitrile	3.15	53	229409	215.537	ug/l	98
16) Acetone	2.44	43	221482	229.439	ug/l	90
17) Carbon Disulfide	2.57	76	180180	43.822	ug/l	97
18) Methyl Acetate	2.77	43	113157	43.550	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	215831	45.876	ug/l	95
20) Methylene Chloride	2.86	84	68649	43.293	ug/l	86
21) trans-1,2-Dichloroethene	3.17	96	66584	45.797	ug/l	97
22) Diisopropyl ether	3.86	45	245323	45.489	ug/l	# 87
23) Vinyl Acetate	3.82	43	1089307	235.574	ug/l	97
24) 1,1-Dichloroethane	3.70	63	126881	44.098	ug/l	98
25) 2-Butanone	4.69	43	331103	218.170	ug/l	98
26) 2,2-Dichloropropane	4.58	77	104403	49.465	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	73027	45.489	ug/l	99
28) Bromochloromethane	5.01	49	54978	42.754	ug/l	100
29) Tetrahydrofuran	5.15	42	207970	213.426	ug/l	100
30) Chloroform	5.21	83	121962	43.936	ug/l	92
31) Cyclohexane	5.58	56	116019	46.452	ug/l	89
32) 1,1,1-Trichloroethane	5.49	97	103244	44.590	ug/l	100
36) 1,1-Dichloropropene	5.79	75	93279	47.510	ug/l	98
37) Ethyl Acetate	4.85	43	120029	46.490	ug/l	100
38) Carbon Tetrachloride	5.77	117	90639	46.114	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	107027	53.785	ug/l #	78
40) Benzene	6.14	78	248521	43.421	ug/l	100
41) Methacrylonitrile	5.05	41	65647	47.056	ug/l	99
42) 1,2-Dichloroethane	6.19	62	89433	43.625	ug/l	100
43) Isopropyl Acetate	6.46	43	166490	44.503	ug/l	98
44) Trichloroethene	7.21	130	67898	46.712	ug/l	91
45) 1,2-Dichloropropane	7.51	63	62210	44.781	ug/l	100
46) Dibromomethane	7.66	93	39134	44.892	ug/l	99
47) Bromodichloromethane	7.90	83	77685	47.154	ug/l	97
48) Methyl methacrylate	7.77	41	78895	46.966	ug/l	99
49) 1,4-Dioxane	7.75	88	31477	869.581	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	512282	217.272	ug/l	100
52) Toluene	8.79	92	141829	44.338	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	88215	45.374	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	95969	48.430	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	58397	40.962	ug/l	96
56) Ethyl methacrylate	9.18	69	91460	42.876	ug/l	98
57) 1,3-Dichloropropane	9.37	76	98690	41.193	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	238498	206.670	ug/l	99
59) 2-Hexanone	9.49	43	424548	204.278	ug/l	100
60) Dibromochloromethane	9.58	129	63539	41.239	ug/l	99
61) 1,2-Dibromoethane	9.67	107	60714	38.513	ug/l	99
64) Tetrachloroethene	9.34	164	64681	44.052	ug/l	97
65) Chlorobenzene	10.14	112	161296	46.687	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	59320	49.388	ug/l	99
67) Ethyl Benzene	10.25	91	280983	50.720	ug/l	100
68) m/p-Xylenes	10.36	106	217309	102.837	ug/l	99
69) o-Xylene	10.70	106	103014	54.365	ug/l	99
70) Styrene	10.71	104	175103	56.018	ug/l	99
71) Bromoform	10.86	173	52164	51.808	ug/l #	99
73) Isopropylbenzene	11.02	105	284672	49.431	ug/l	99
74) N-amyl acetate	10.90	43	139746	43.416	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	93718	44.336	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	93479m	46.099	ug/l	
77) Bromobenzene	11.26	156	74909	46.149	ug/l	99
78) n-propylbenzene	11.36	91	337206	49.683	ug/l	99
79) 2-Chlorotoluene	11.42	91	195489	47.653	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	245848	50.235	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	30788	48.391	ug/l	97
82) 4-Chlorotoluene	11.51	91	235503	48.710	ug/l	100
83) tert-Butylbenzene	11.77	119	238948	48.262	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	251765	46.608	ug/l	100
85) sec-Butylbenzene	11.94	105	292641	48.335	ug/l	100
86) p-Isopropyltoluene	12.07	119	266998	49.787	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	141935	45.562	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	143448	44.982	ug/l	99
89) n-Butylbenzene	12.39	91	242526	48.795	ug/l	100
90) Hexachloroethane	12.60	117	43710	48.818	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	140575	45.046	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	23753	46.049	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	107125	48.762	ug/l	100
94) Hexachlorobutadiene	13.78	225	54658	47.363	ug/l	99
95) Naphthalene	13.83	128	318854	44.633	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	107151	47.875	ug/l	99

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

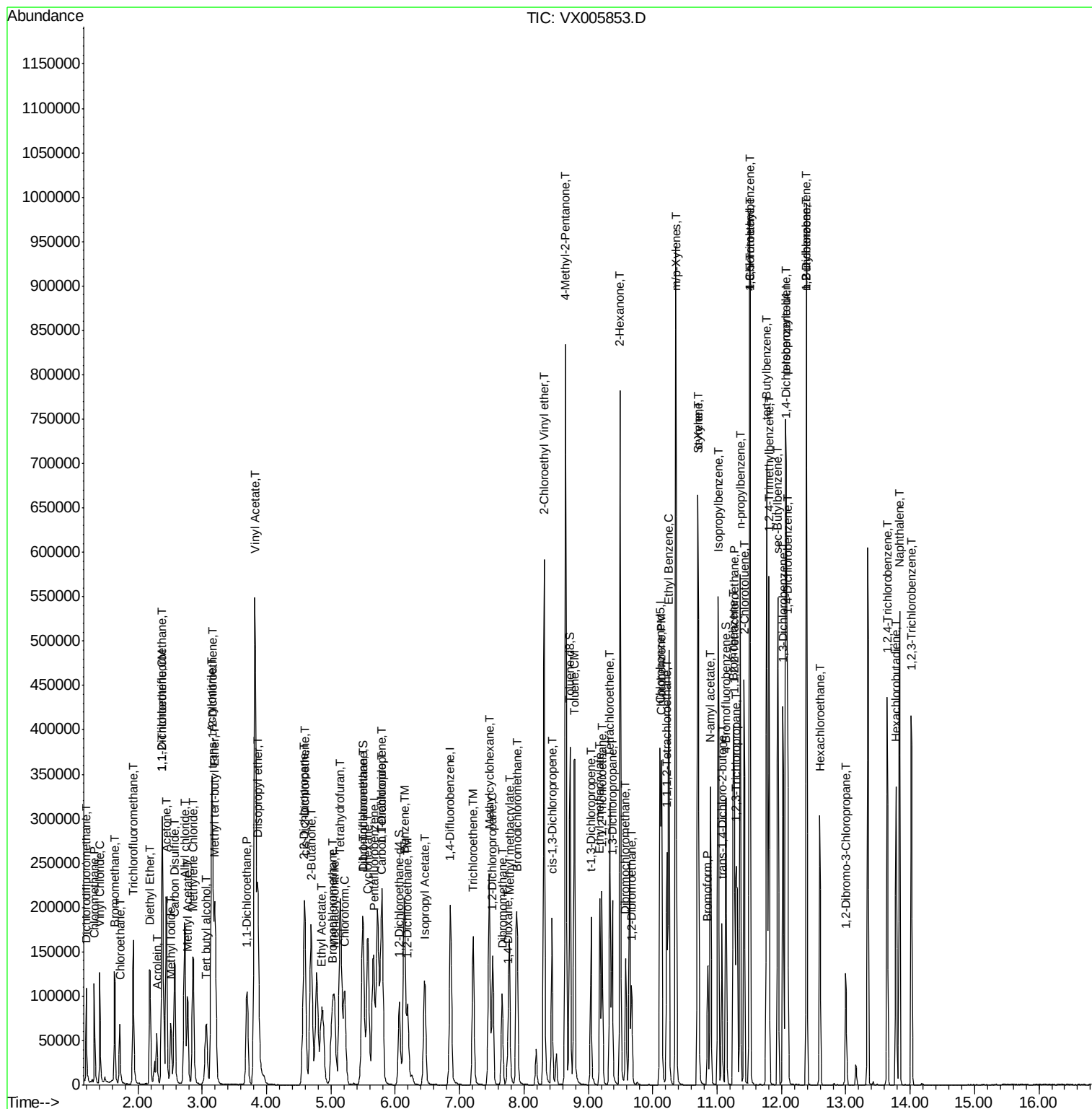
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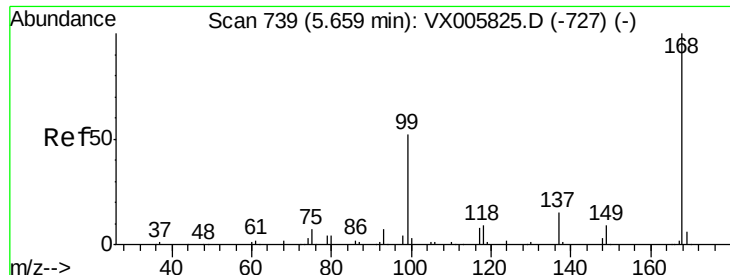
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX005853.D

Acq: 09 Nov 2018 10:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 155951

Ion Ratio Lower Upper

168 100

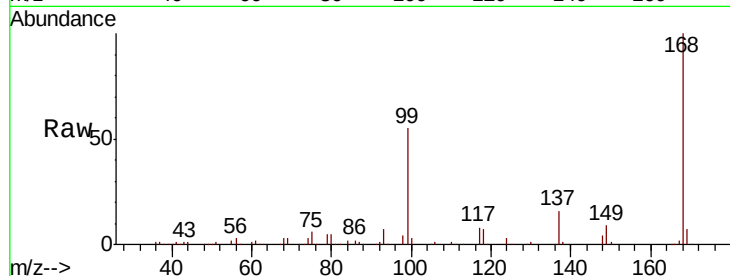
99 55.3 40.7 61.1

Manual Integrations

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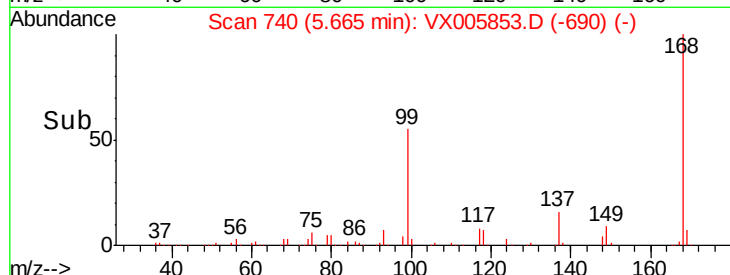


Abundance Ion 167.90 (167.60 to 168.60): V

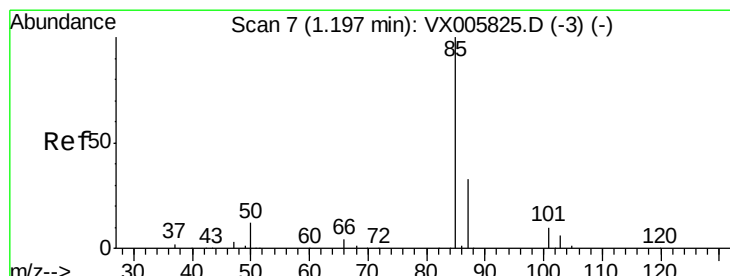
Ion 98.90 (98.60 to 99.60): VX0

5.67

5.50 5.60 5.70 5.80



5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 44.830 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX005853.D

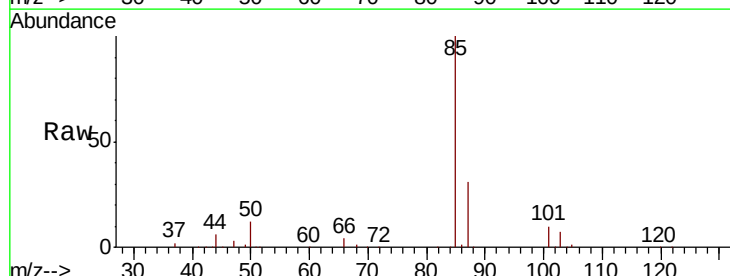
Acq: 09 Nov 2018 10:09

Tgt Ion: 85 Resp: 63035

Ion Ratio Lower Upper

85 100

87 30.8 16.3 48.9

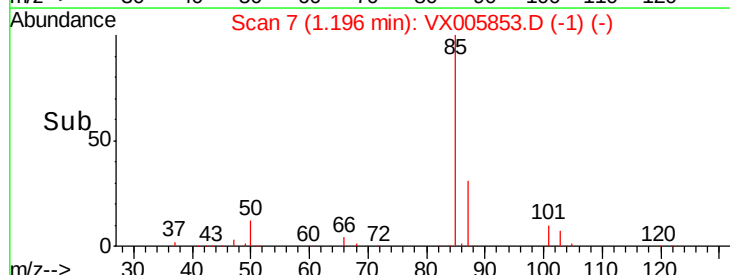


Abundance Ion 84.90 (84.60 to 85.60): VX0

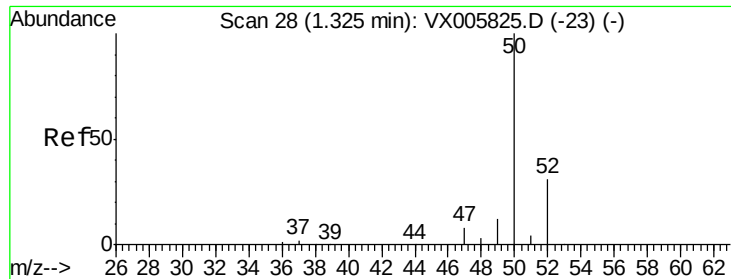
Ion 86.90 (86.60 to 87.60): VX0

1.20

1.15 1.20 1.25 1.30



1.15 1.20 1.25 1.30



#3

Chloromethane

Concen: 42.595 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005853.D

Acq: 09 Nov 2018 10:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 78601

Ion Ratio Lower Upper

50 100

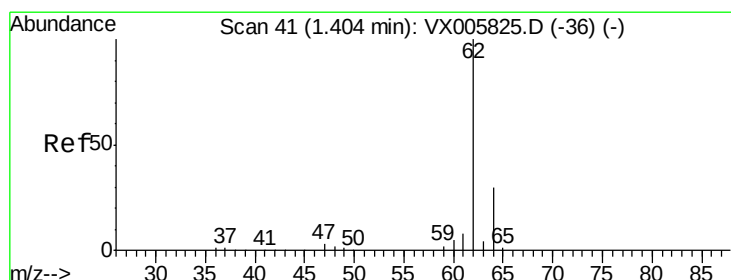
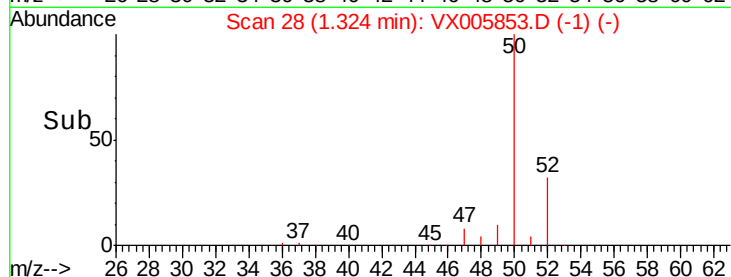
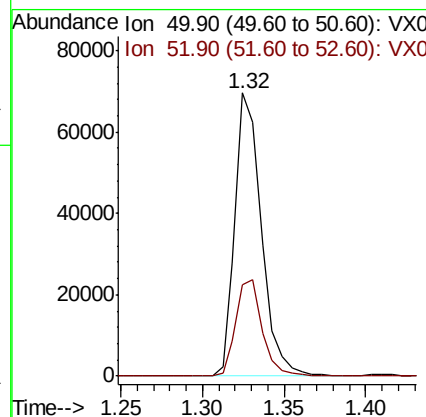
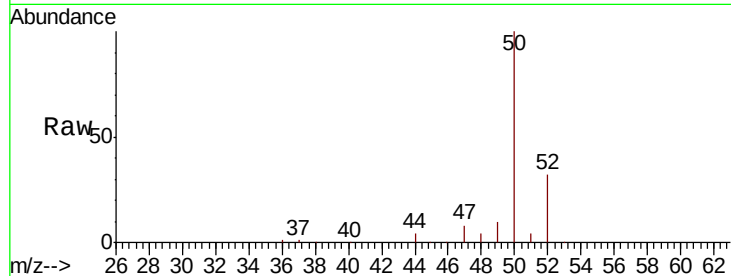
52 32.3 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 43.514 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX005853.D

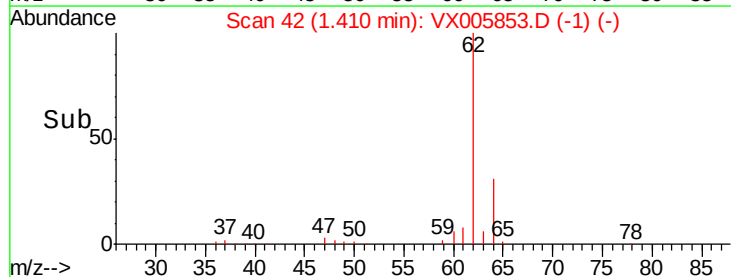
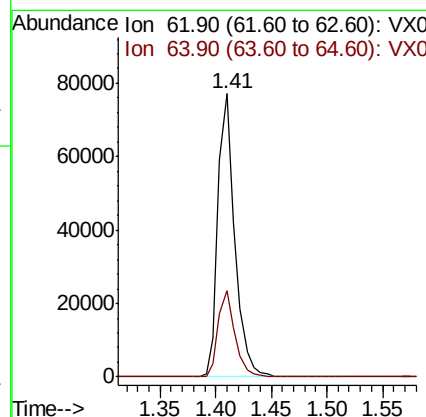
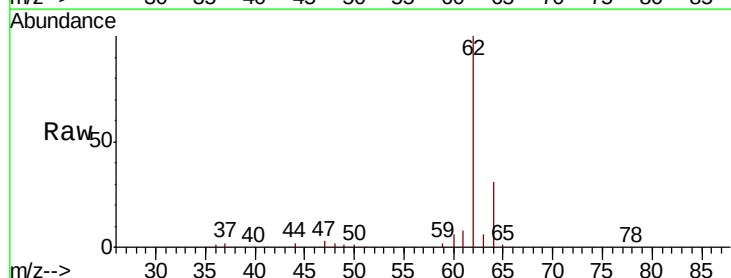
Acq: 09 Nov 2018 10:09

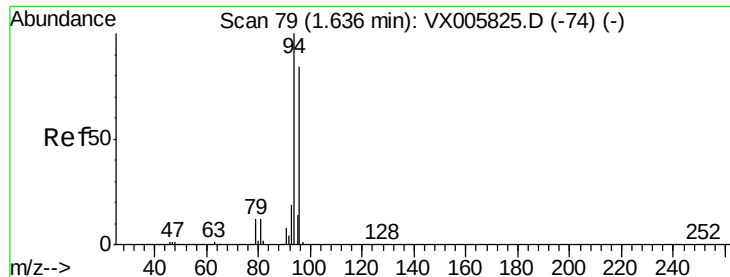
Tgt Ion: 62 Resp: 80610

Ion Ratio Lower Upper

62 100

64 30.7 25.3 37.9





#5

Bromomethane

Concen: 40.212 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX005853.D

Acq: 09 Nov 2018 10:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 45587

Ion Ratio Lower Upper

94 100

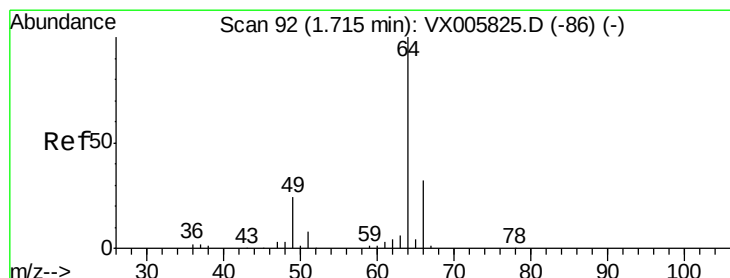
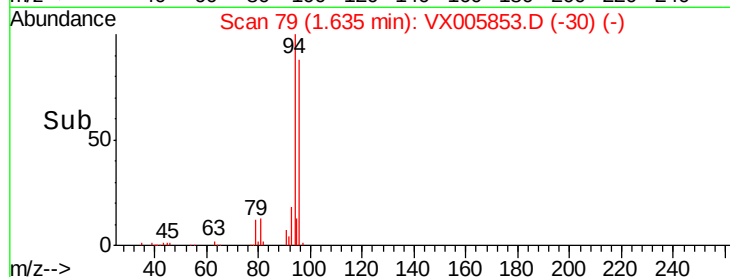
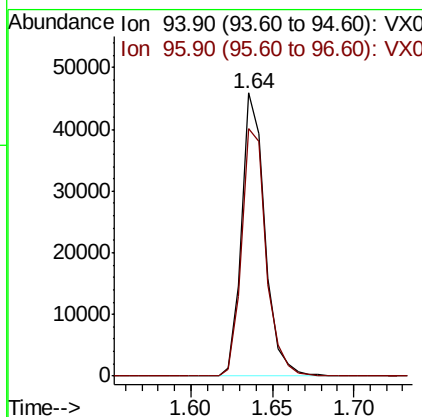
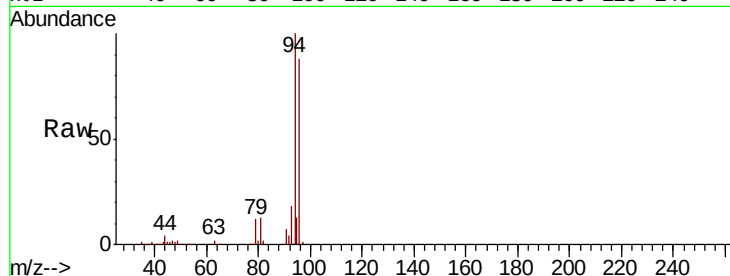
96 87.6 75.2 112.8

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#6

Chloroethane

Concen: 41.470 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX005853.D

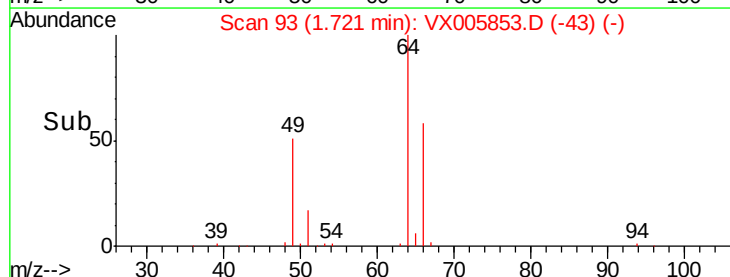
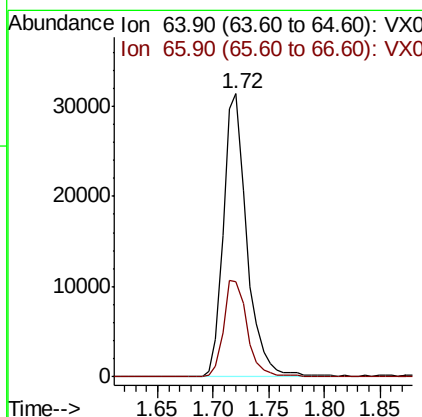
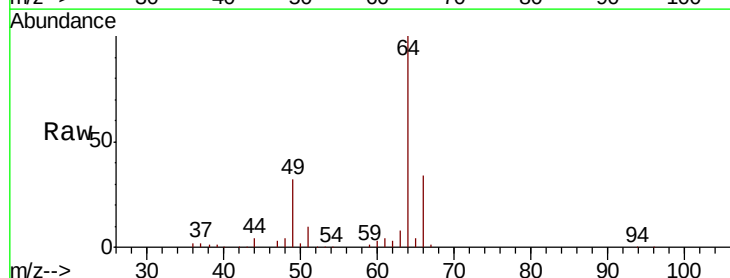
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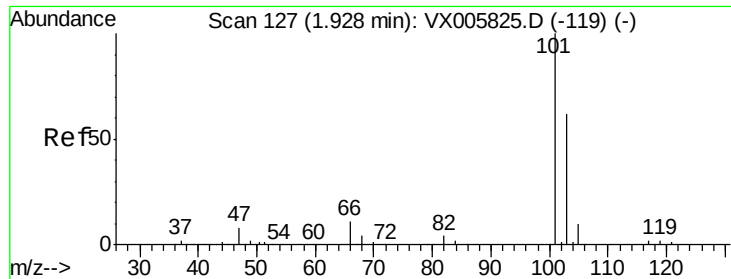
Tgt Ion: 64 Resp: 45838

Ion Ratio Lower Upper

64 100

66 33.6 25.8 38.6





#7

Trichlorofluoromethane

Concen: 43.402 ug/l

RT: 1.93 min Scan# 127

Delta R.T. -0.00 min

Lab File: VX005853.D

Acq: 09 Nov 2018 10:09

Instrument :

MSVOA_X

ClientSampleId :

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Tot Ion:101 Resp: 106724

Ion Ratio Lower Upper

101 100

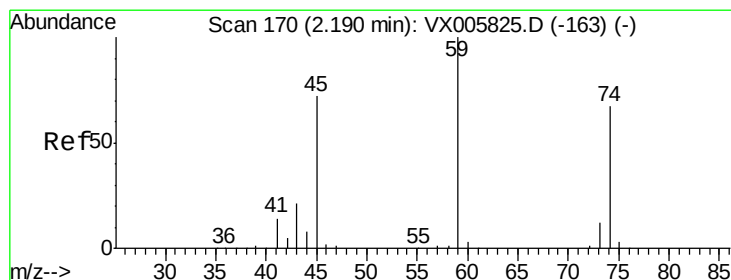
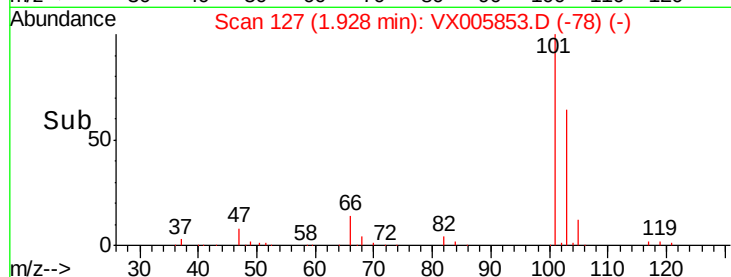
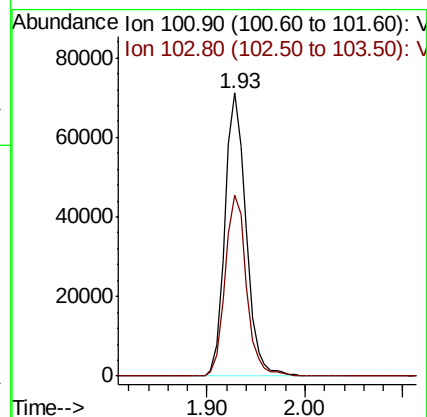
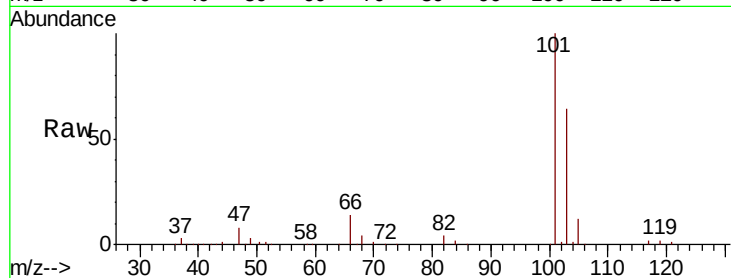
103 63.7 50.0 75.0

Manual Integrations

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11/12/2018 9:11:36 AM



#8

Diethyl Ether

Concen: 47.094 ug/l

RT: 2.18 min Scan# 169

Delta R.T. -0.01 min

Lab File: VX005853.D

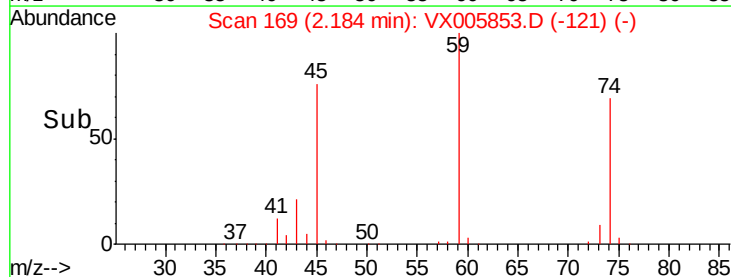
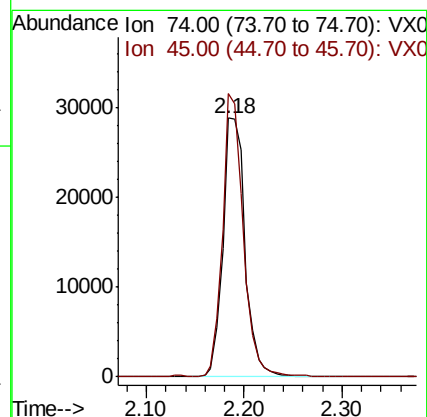
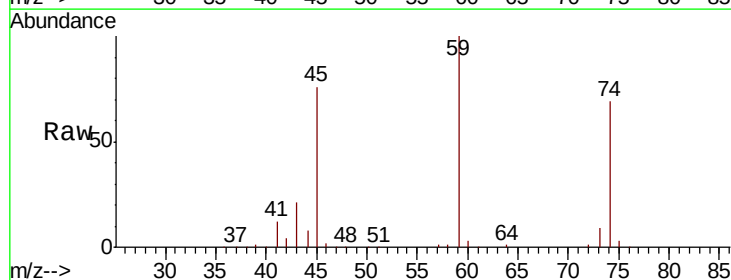
Acq: 09 Nov 2018 10:09

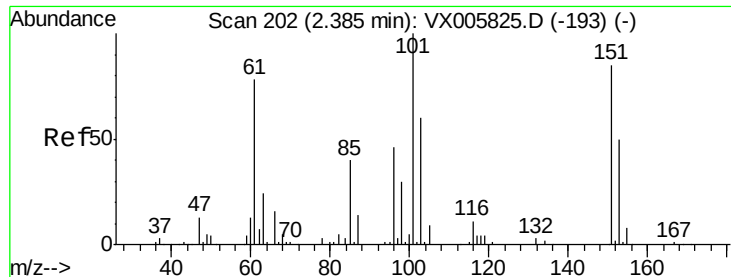
Tgt Ion: 74 Resp: 45376

Ion Ratio Lower Upper

74 100

45 101.3 54.1 162.3





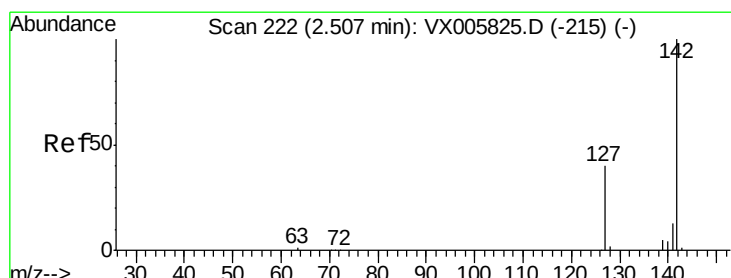
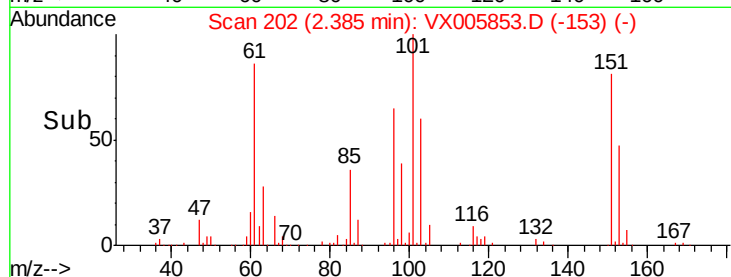
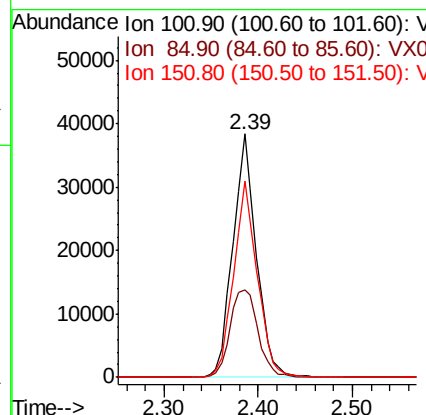
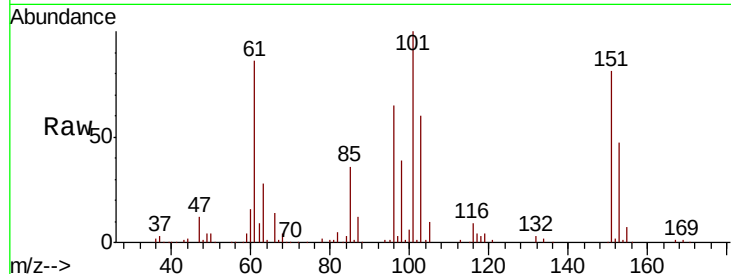
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 47.228 ug/l
 RT: 2.39 min Scan# 202
 Delta R.T. -0.00 min
 Lab File: VX005853.D
 Acq: 09 Nov 2018 10:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	66791		
85	42.6		35.0	52.4
151	81.0		66.2	99.2

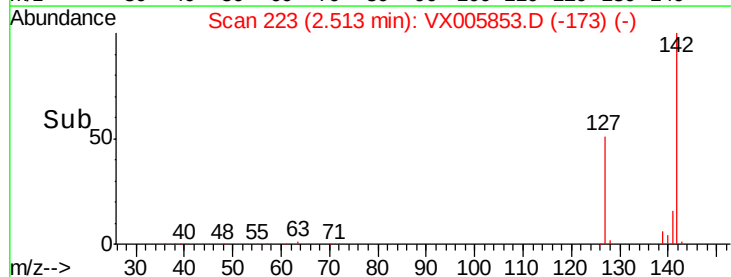
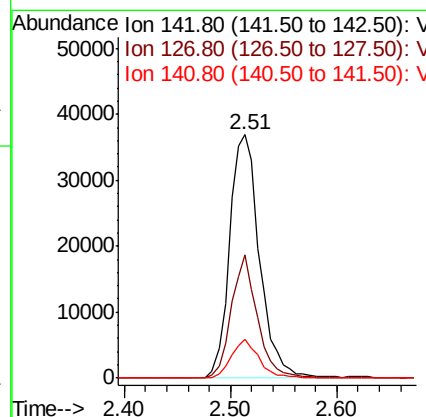
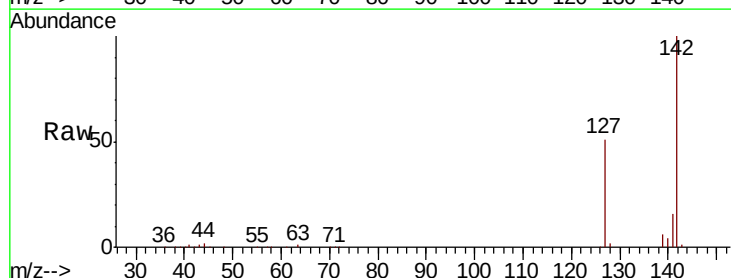
Manual Integrations
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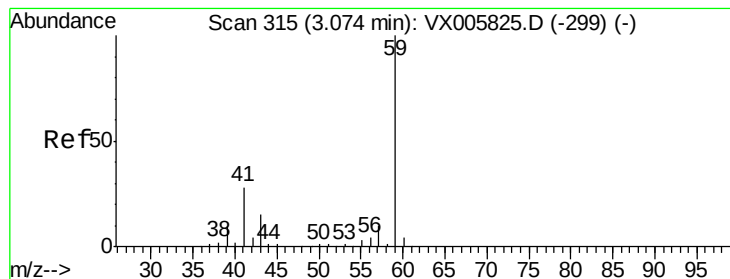
MMDadoda
 11/12/2018 9:11:36 AM



#10
 Methyl Iodide
 Concen: 42.343 ug/l
 RT: 2.51 min Scan# 223
 Delta R.T. 0.01 min
 Lab File: VX005853.D
 Acq: 09 Nov 2018 10:09

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	72577		
127	44.3		36.0	54.0
141	14.6		11.7	17.5





#11

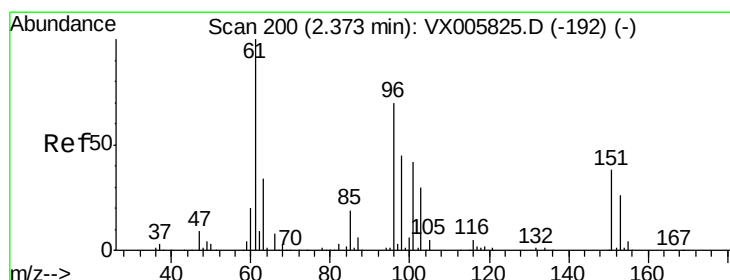
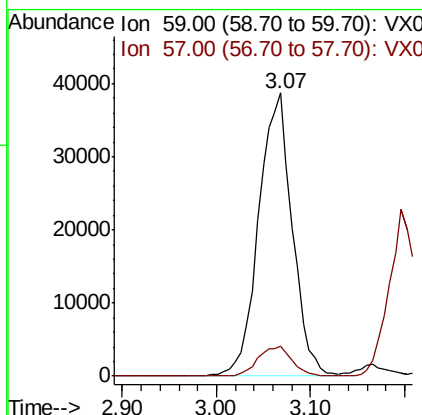
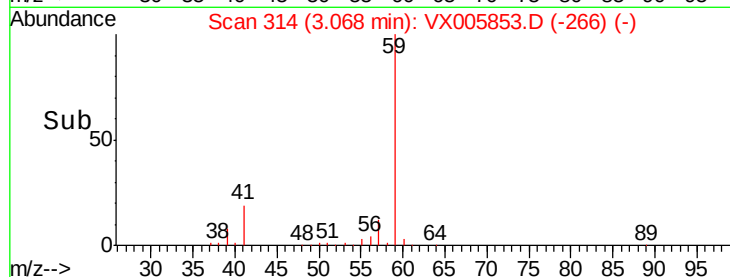
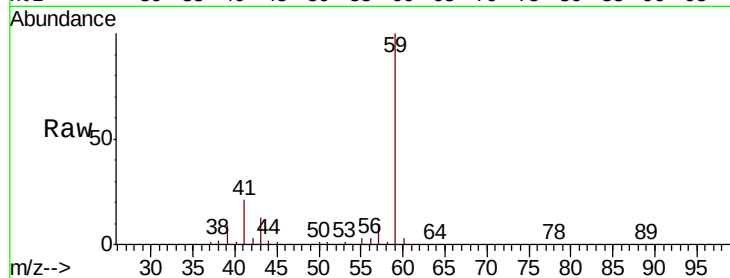
Tert butyl alcohol
Concen: 188.239 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX005853.D
Acq: 09 Nov 2018 10:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.5	12.7

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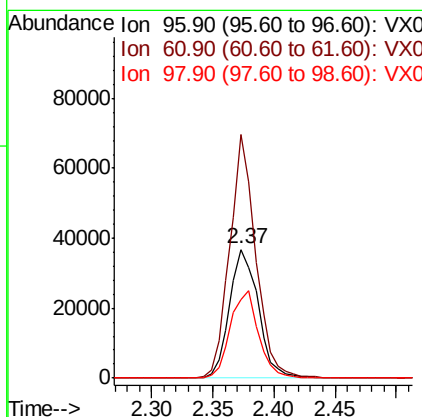
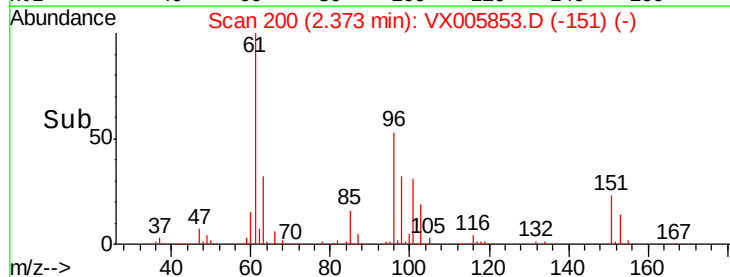
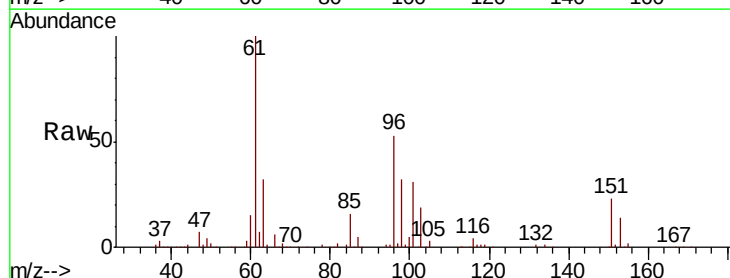
MMDadoda
11/12/2018 9:11:36 AM

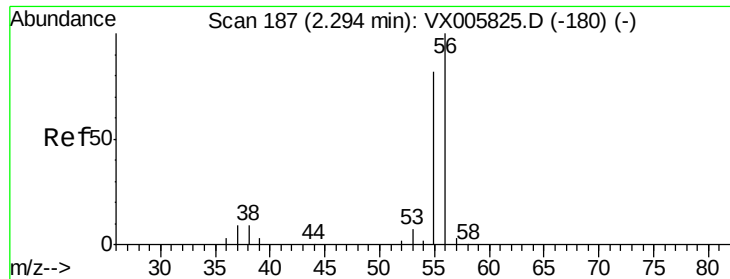


#12

1,1-Dichloroethene
Concen: 43.407 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX005853.D
Acq: 09 Nov 2018 10:09

Tgt Ion	Ratio	Lower	Upper
96	100		
61	188.9	131.8	197.8
98	61.0	53.4	80.2





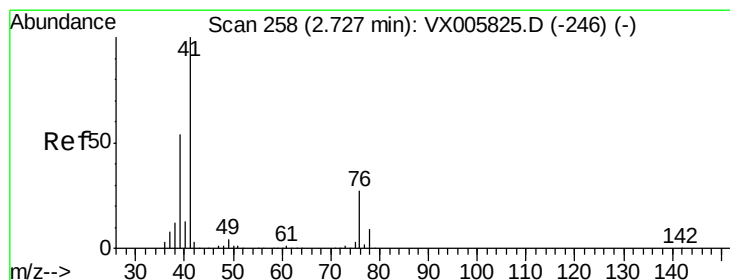
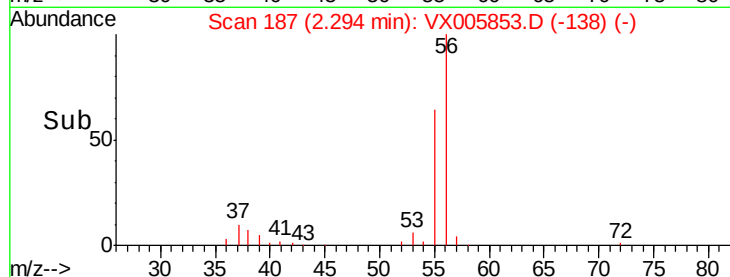
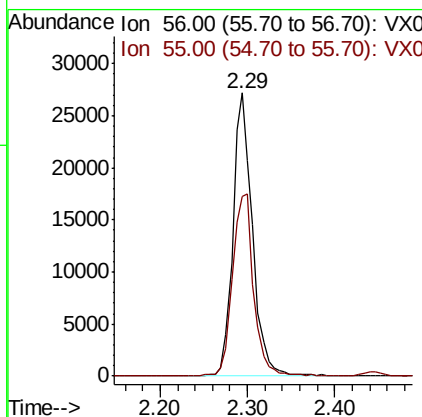
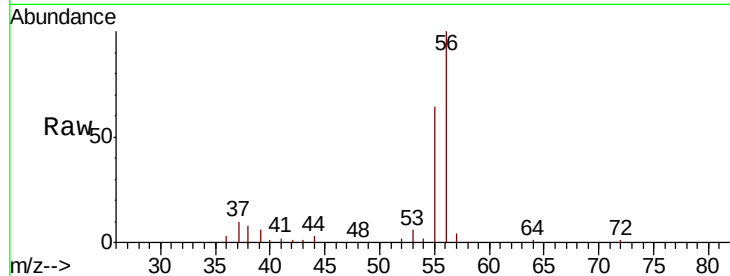
#13
Acrolein
Concen: 178.780 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX005853.D
Acq: 09 Nov 2018 10:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 42333
Ion Ratio Lower Upper
56 100
55 70.0 57.3 85.9

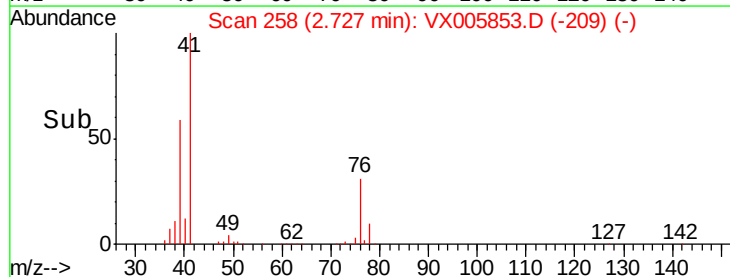
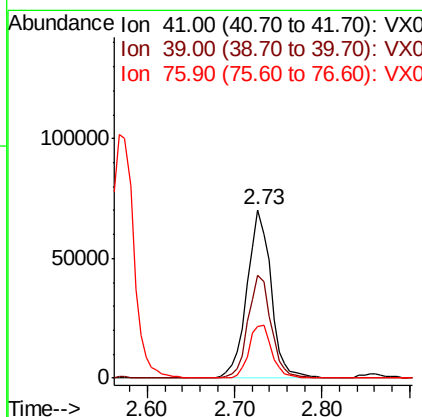
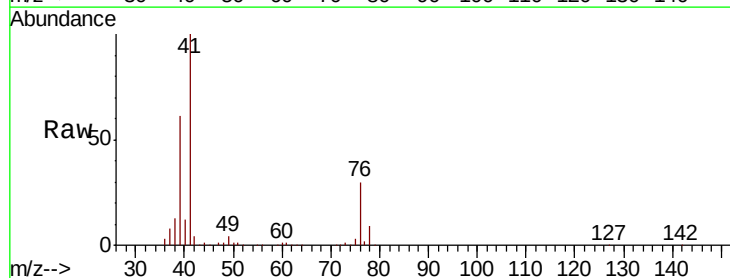
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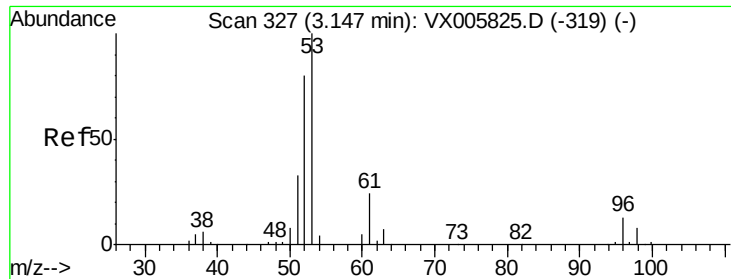
MMDadoda
11/12/2018 9:11:36 AM



#14
Allyl chloride
Concen: 43.613 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX005853.D
Acq: 09 Nov 2018 10:09

Tgt Ion: 41 Resp: 134267
Ion Ratio Lower Upper
41 100
39 58.5 48.2 72.4
76 29.8 21.9 32.9





#15

Acrylonitrile

Concen: 215.537 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX005853.D

Acq: 09 Nov 2018 10:09

Instrument :

MSVOA_X

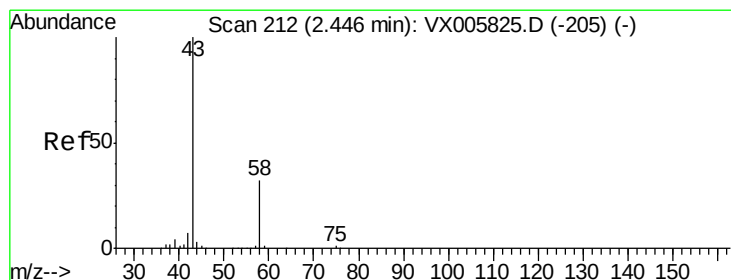
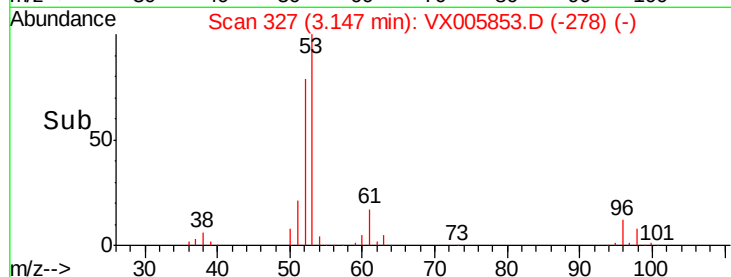
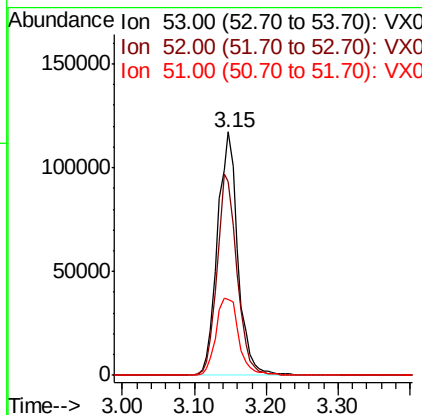
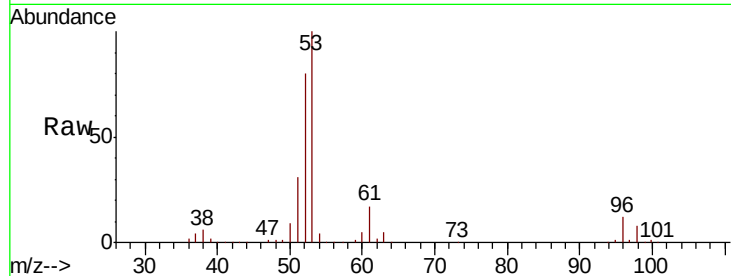
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	229409
Ion Ratio	Lower	Upper	
53	100		
52	81.2	66.6	99.8
51	36.1	28.4	42.6

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#16

Acetone

Concen: 229.439 ug/l

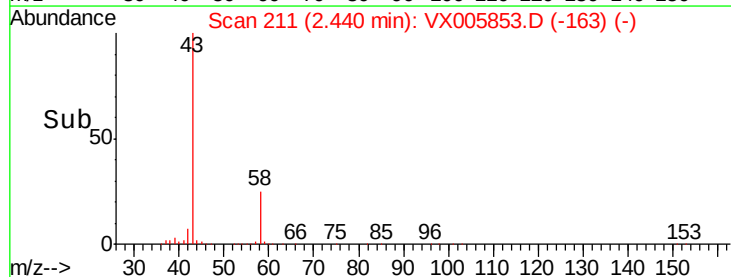
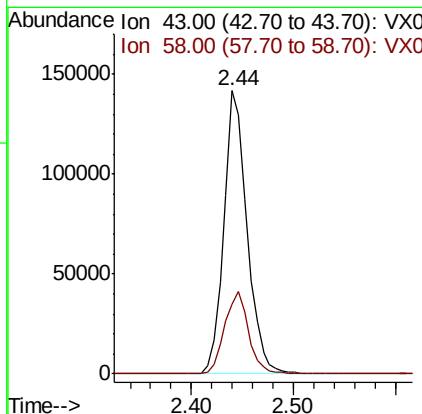
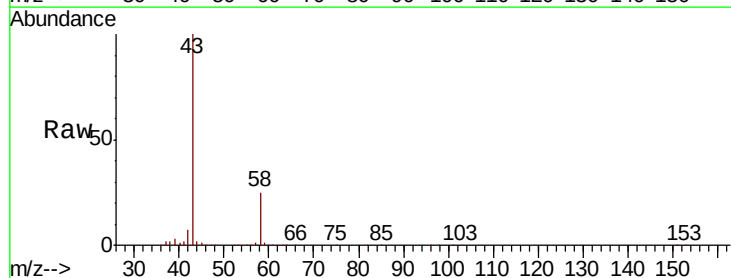
RT: 2.44 min Scan# 211

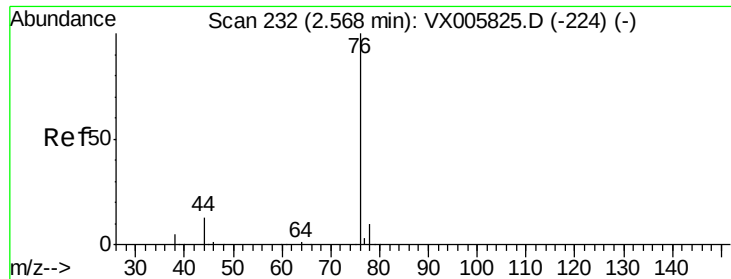
Delta R.T. -0.01 min

Lab File: VX005853.D

Acq: 09 Nov 2018 10:09

Tgt Ion:	43	Resp:	221482
Ion Ratio	Lower	Upper	
43	100		
58	24.6	23.8	35.6





#17

Carbon Disulfide

Concen: 43.822 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX005853.D

Acq: 09 Nov 2018 10:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 180180

Ion Ratio Lower Upper

76 100

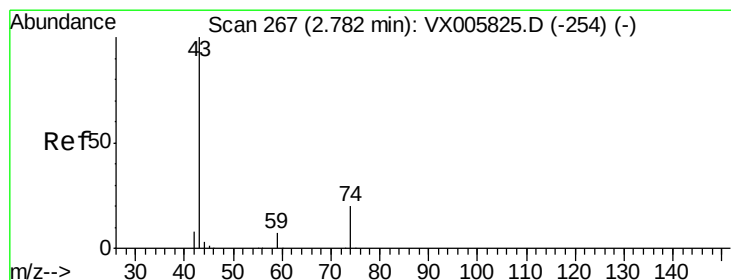
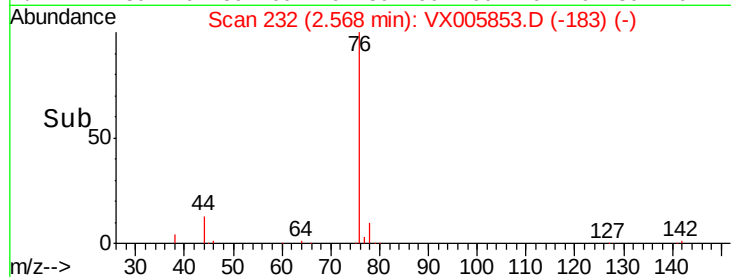
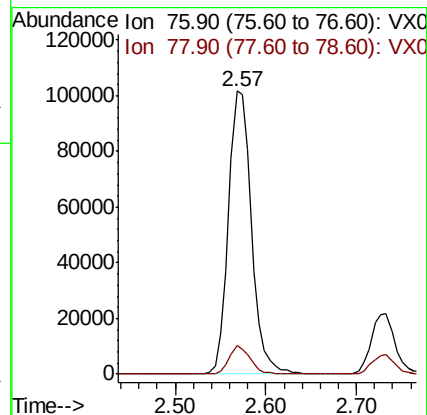
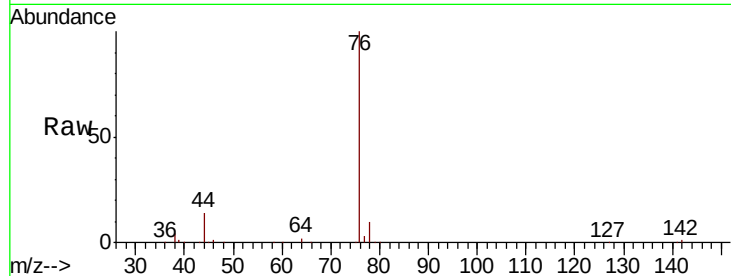
78 10.1 7.3 10.9

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#18

Methyl Acetate

Concen: 43.550 ug/l

RT: 2.77 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX005853.D

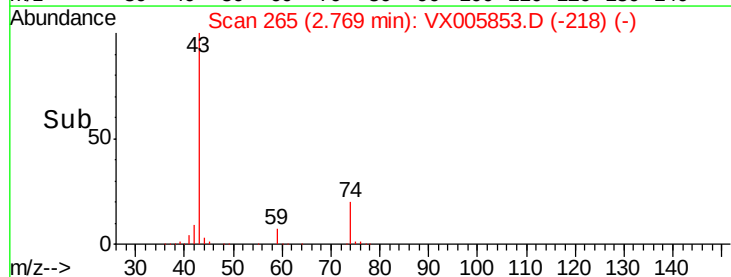
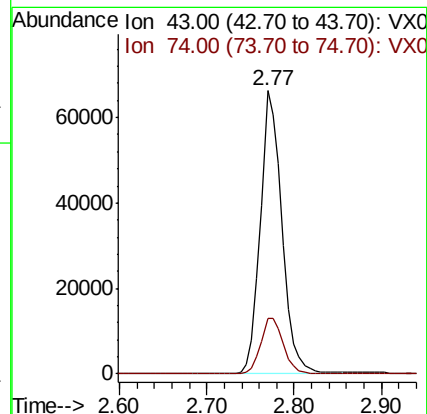
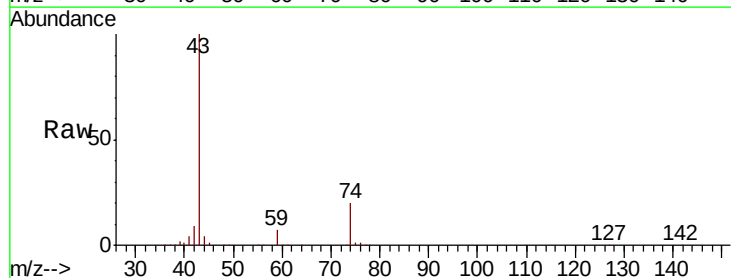
Acq: 09 Nov 2018 10:09

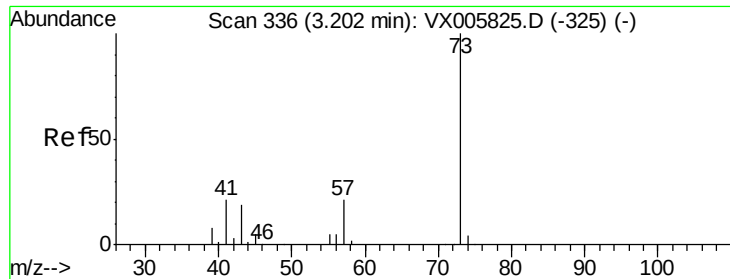
Tgt Ion: 43 Resp: 113157

Ion Ratio Lower Upper

43 100

74 21.1 16.8 25.2





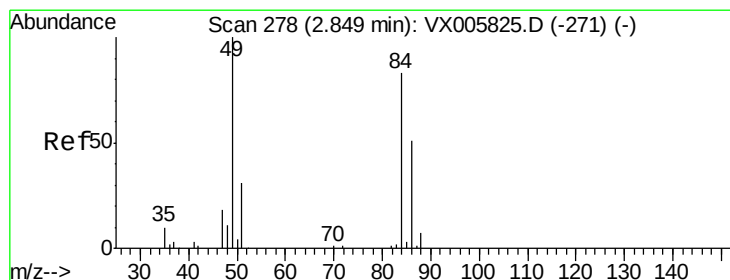
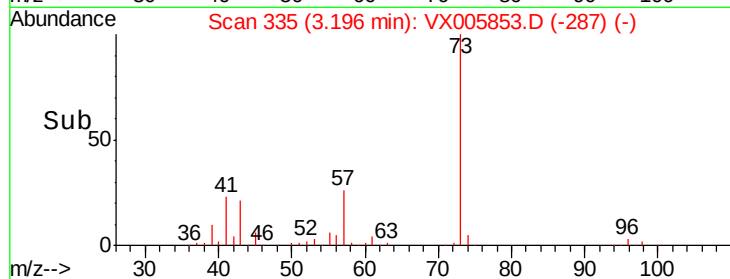
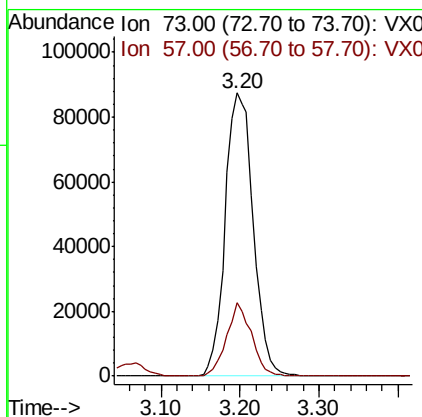
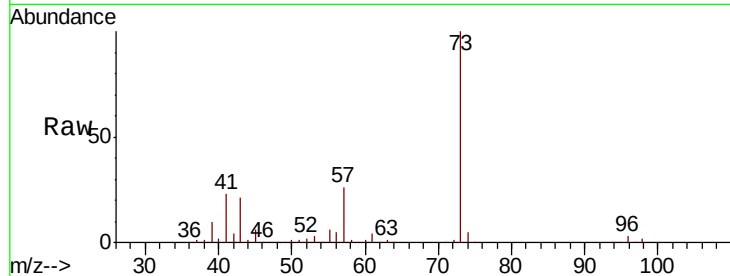
#19
Methyl tert-butyl Ether
Concen: 45.876 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.01 min
Lab File: VX005853.D
Acq: 09 Nov 2018 10:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	26.0	18.8	28.2

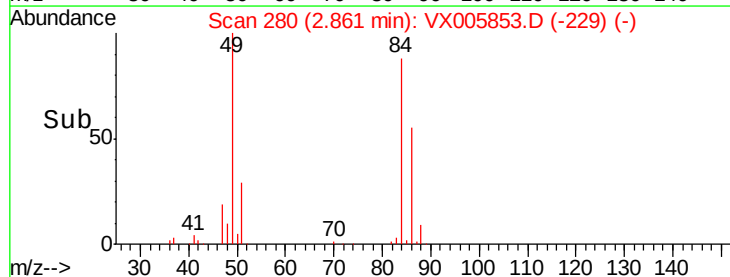
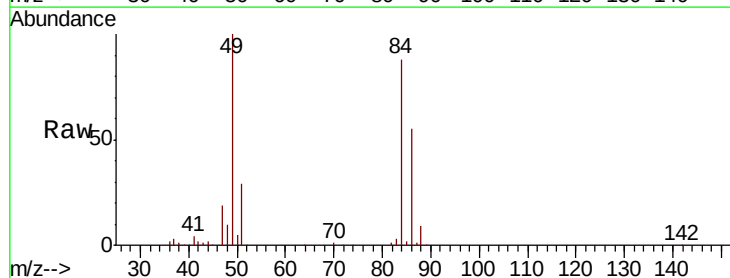
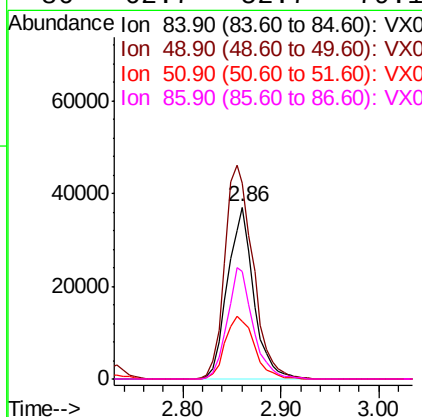
Manual Integrations
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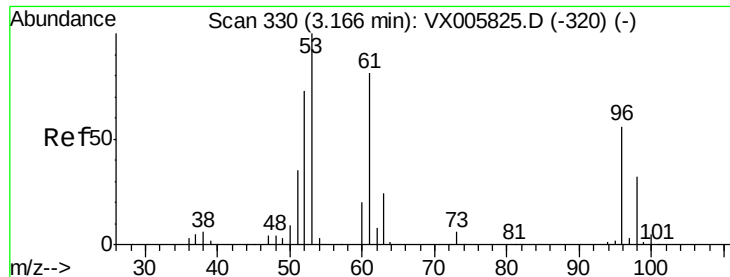
MMDadoda
11/12/2018 9:11:36 AM



#20
Methylene Chloride
Concen: 43.293 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX005853.D
Acq: 09 Nov 2018 10:09

Tgt Ion	Ratio	Lower	Upper
84	100		
49	113.6	109.5	164.3
51	33.4	33.3	49.9
86	62.7	52.7	79.1





#21

trans-1,2-Dichloroethene

Concen: 45.797 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX005853.D

Acq: 09 Nov 2018 10:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 66584

Ion Ratio Lower Upper

96 100

61 147.5 115.6 173.4

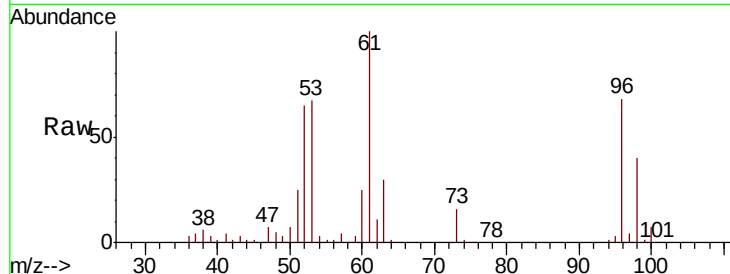
98 58.9 50.2 75.2

Manual Integrations

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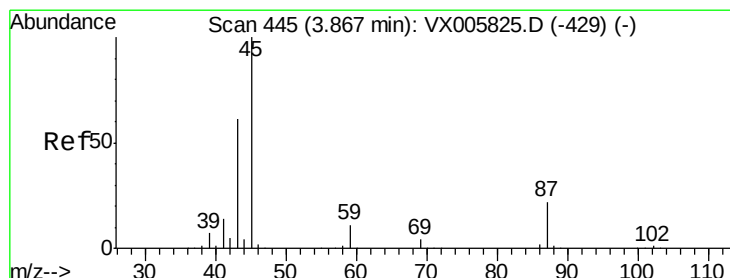
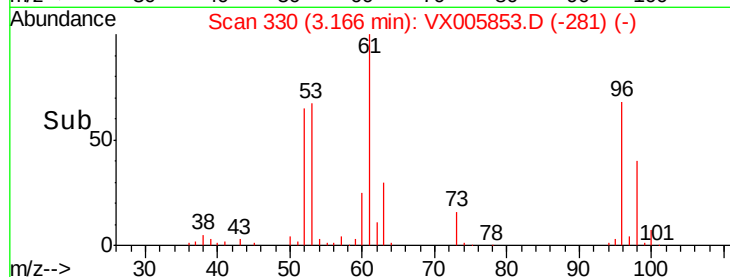
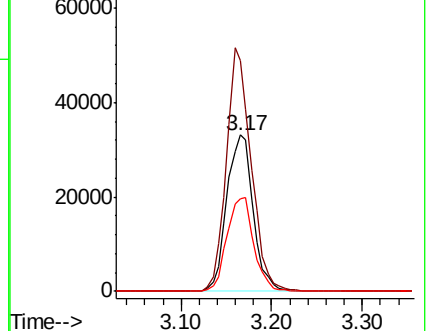
11/12/2018 9:11:36 AM



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 45.489 ug/l

RT: 3.86 min Scan# 444

Delta R.T. -0.01 min

Lab File: VX005853.D

Acq: 09 Nov 2018 10:09

Tgt Ion: 45 Resp: 245323

Ion Ratio Lower Upper

45 100

43 72.6 47.4 71.2#

87 21.2 15.9 23.9

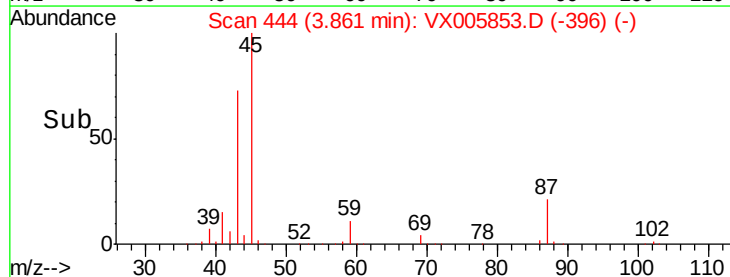
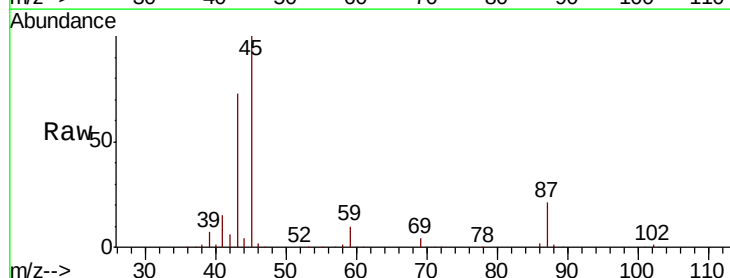
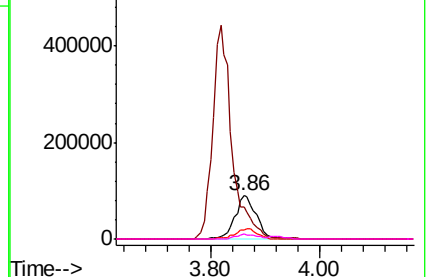
59 10.5 7.7 11.5

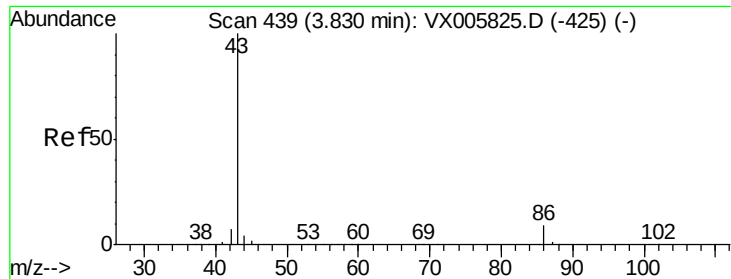
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





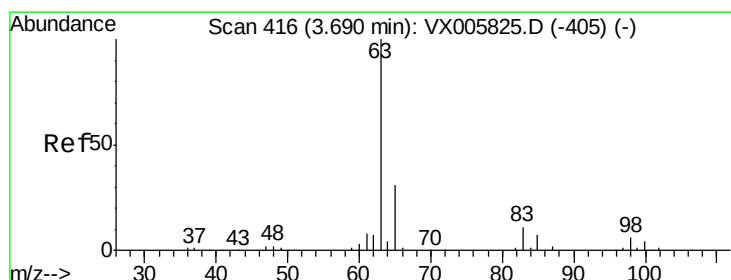
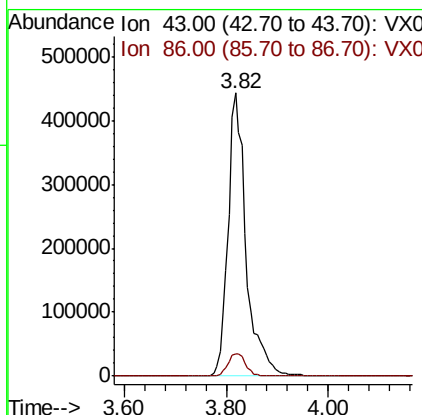
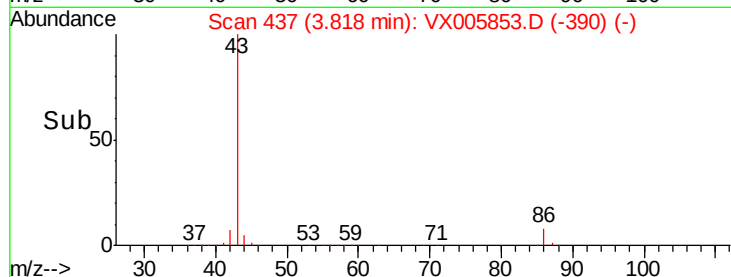
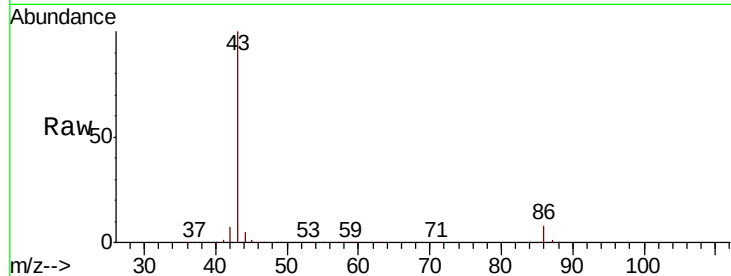
#23
Vinyl Acetate
Concen: 235.574 ug/l
RT: 3.82 min Scan# 437
Delta R.T. -0.01 min
Lab File: VX005853.D
Acq: 09 Nov 2018 10:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1089307
Ion Ratio Lower Upper
43 100
86 8.0 7.4 11.2

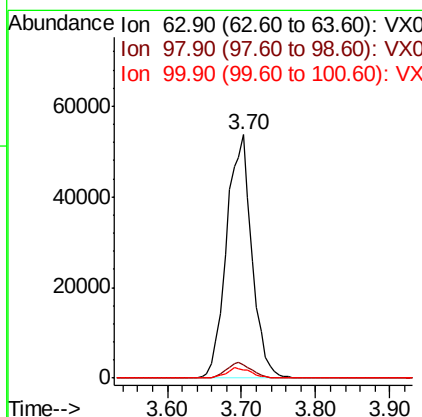
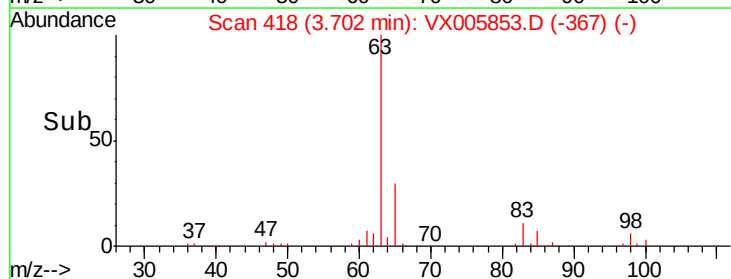
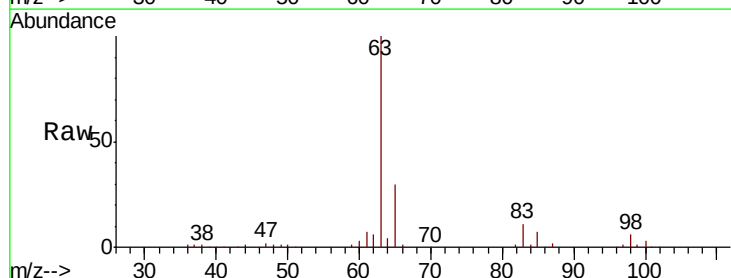
Manual Integrations
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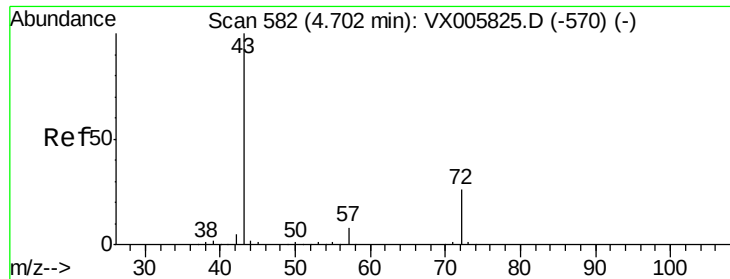
MMDadoda
11/12/2018 9:11:36 AM



#24
1,1-Dichloroethane
Concen: 44.098 ug/l
RT: 3.70 min Scan# 418
Delta R.T. 0.01 min
Lab File: VX005853.D
Acq: 09 Nov 2018 10:09

Tgt Ion: 63 Resp: 126881
Ion Ratio Lower Upper
63 100
98 5.6 3.2 9.6
100 3.2 2.1 6.2





#25

2-Butanone

Concen: 218.170 ug/l

RT: 4.69 min Scan# 580

Delta R.T. -0.01 min

Lab File: VX005853.D

Acq: 09 Nov 2018 10:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 331103

Ion Ratio Lower Upper

43 100

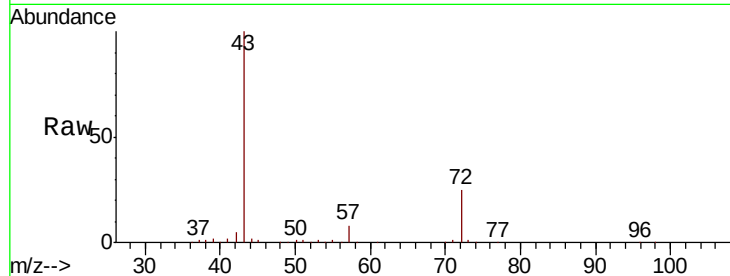
72 24.9 19.2 28.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

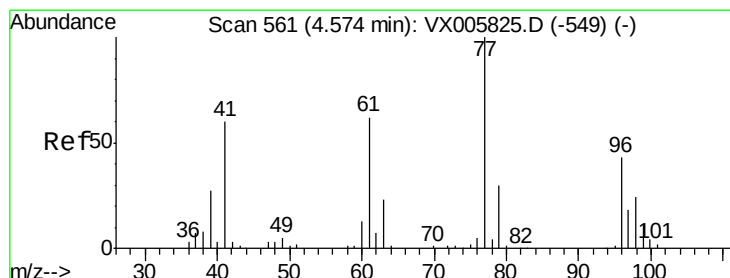
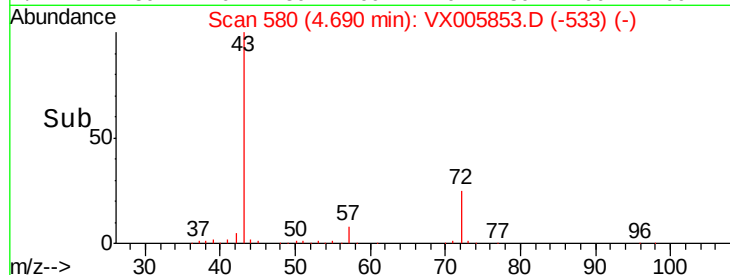
4.69

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 49.465 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.01 min

Lab File: VX005853.D

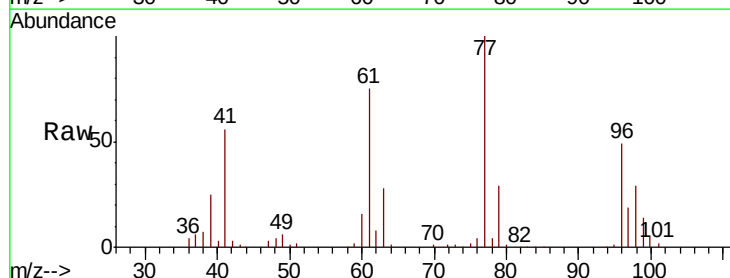
Acq: 09 Nov 2018 10:09

Tgt Ion: 77 Resp: 104403

Ion Ratio Lower Upper

77 100

97 23.0 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.58

40000

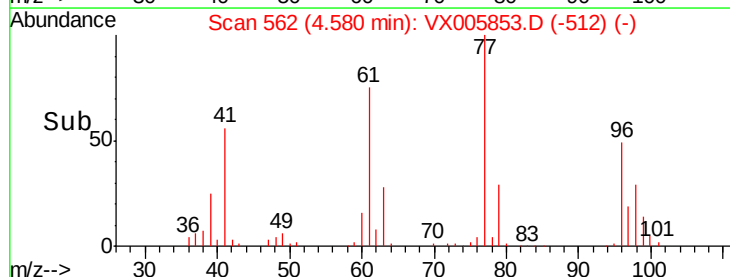
30000

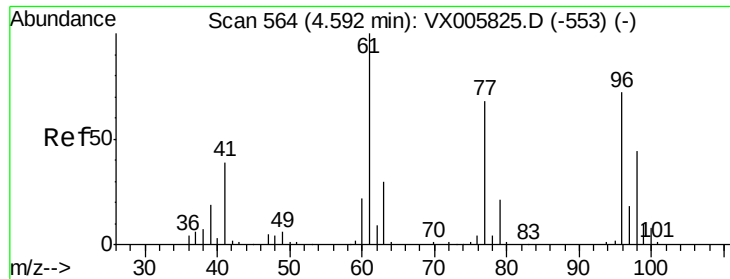
20000

10000

0

Time-->





#27

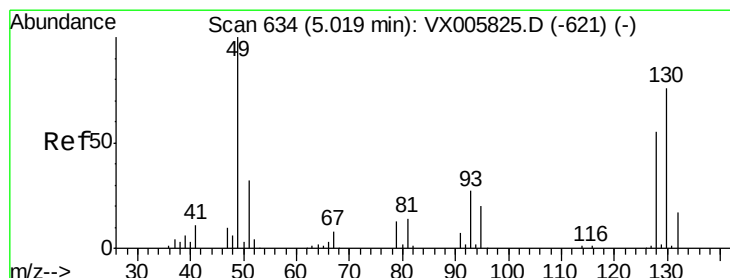
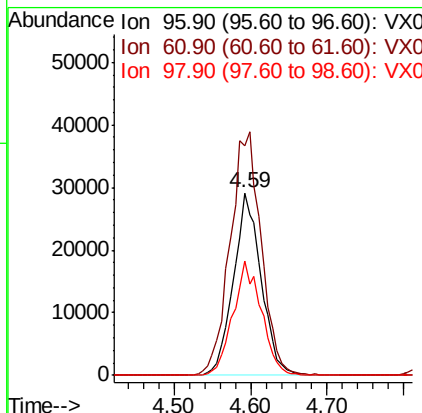
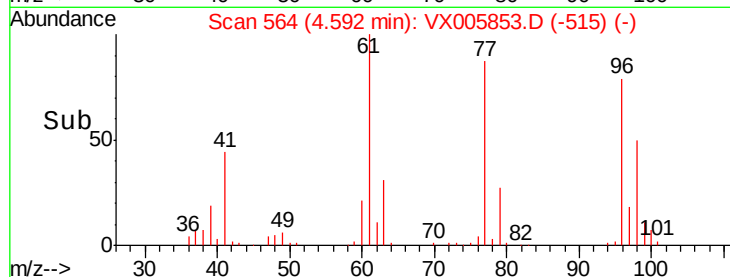
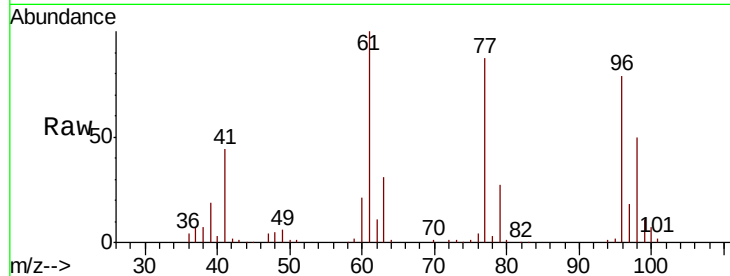
cis-1,2-Dichloroethene
Concen: 45.489 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.00 min
Lab File: VX005853.D
Acq: 09 Nov 2018 10:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	150.3	0.0	304.6
98	64.4	0.0	127.4

Manual Integrations
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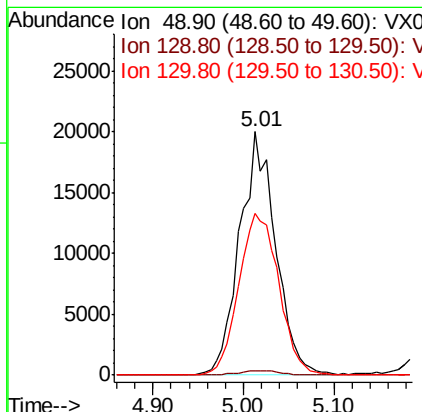
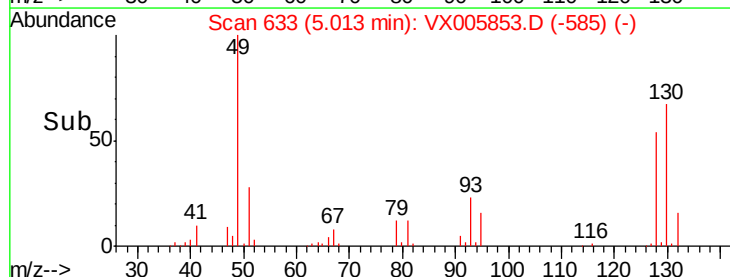
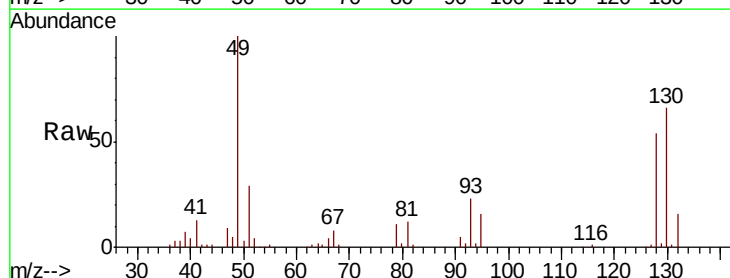
MMDadoda
11/12/2018 9:11:36 AM

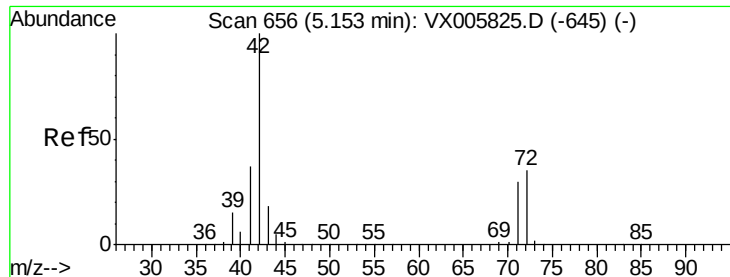


#28

Bromochloromethane
Concen: 42.754 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX005853.D
Acq: 09 Nov 2018 10:09

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.0
130	73.7	58.9	88.3





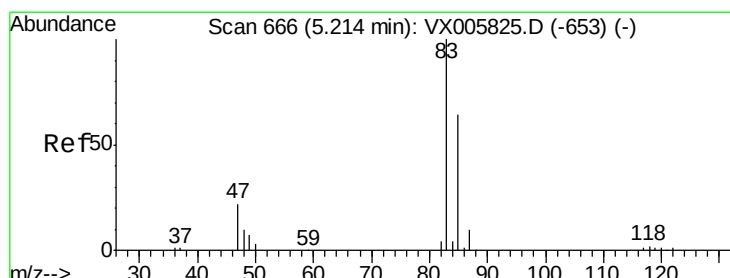
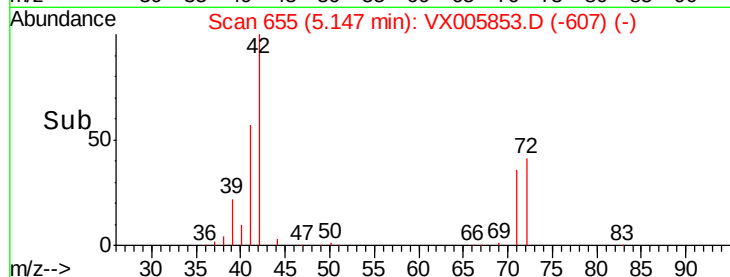
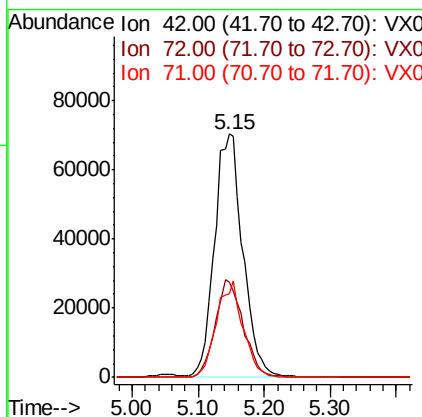
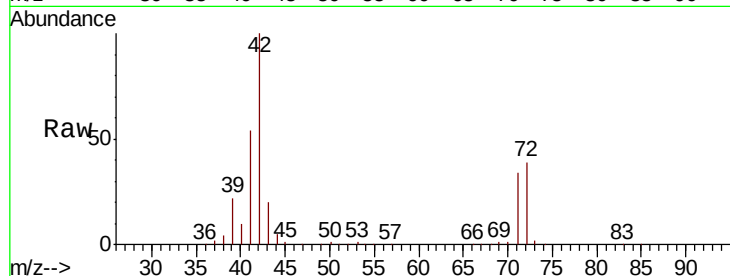
#29
Tetrahydrofuran
Concen: 213.426 ug/l
RT: 5.15 min Scan# 655
Delta R.T. -0.01 min
Lab File: VX005853.D
Acq: 09 Nov 2018 10:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.8	32.0	48.0
71	37.4	29.8	44.8

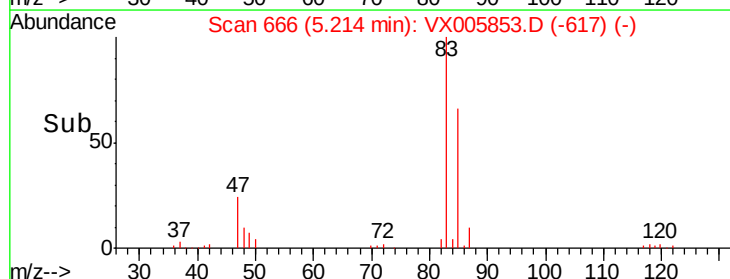
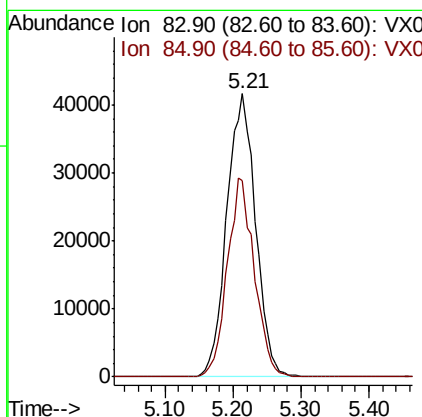
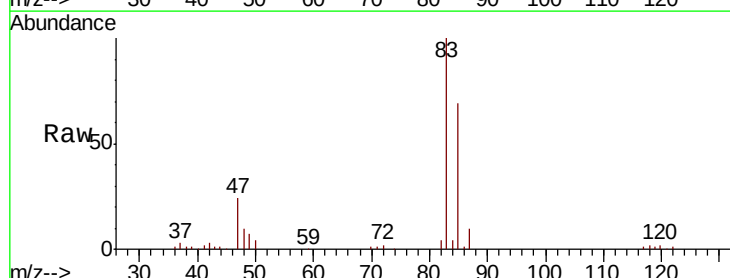
Manual Integrations
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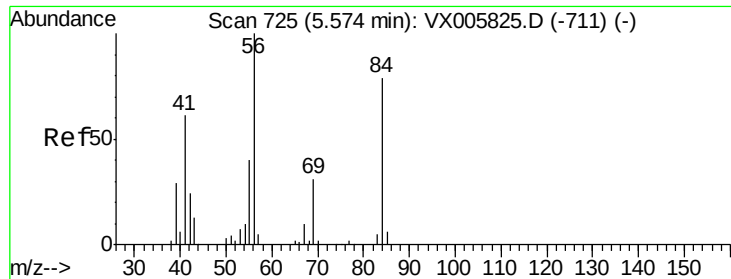
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11/12/2018 9:11:36 AM



#30
Chloroform
Concen: 43.936 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX005853.D
Acq: 09 Nov 2018 10:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	69.4	50.6	76.0





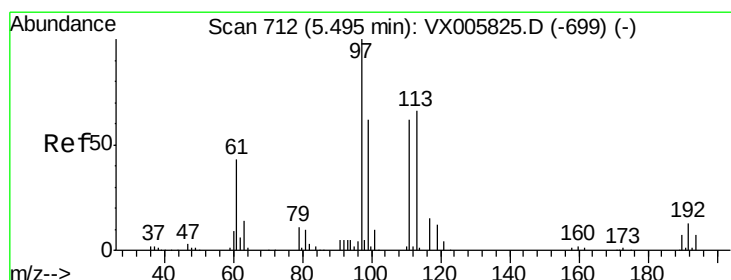
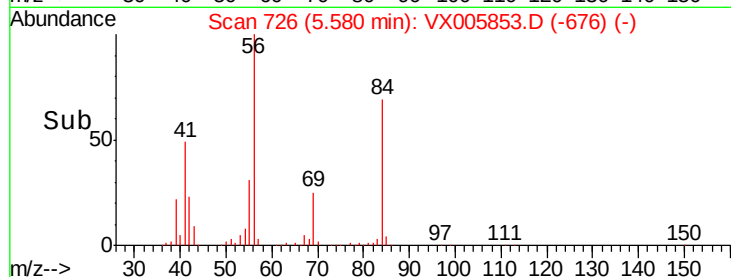
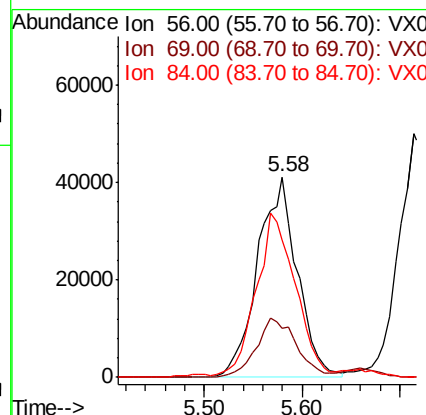
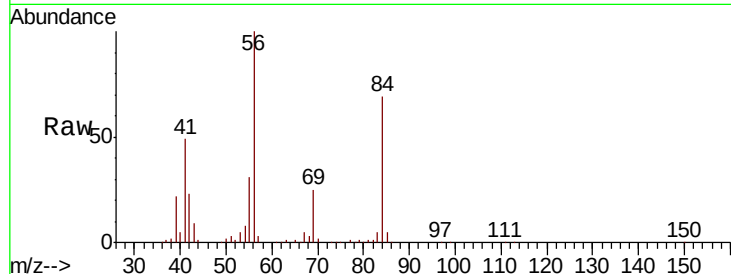
#31
Cyclohexane
Concen: 46.452 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.01 min
Lab File: VX005853.D
Acq: 09 Nov 2018 10:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	24.7	22.6	34.0
84	67.3	62.7	94.1

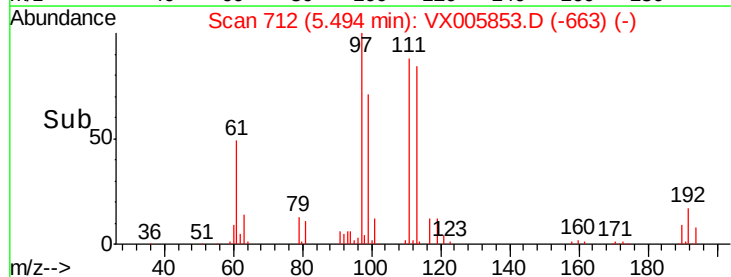
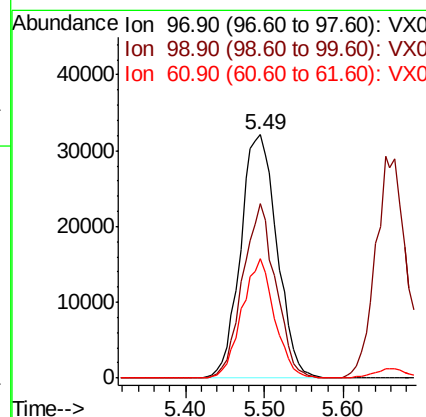
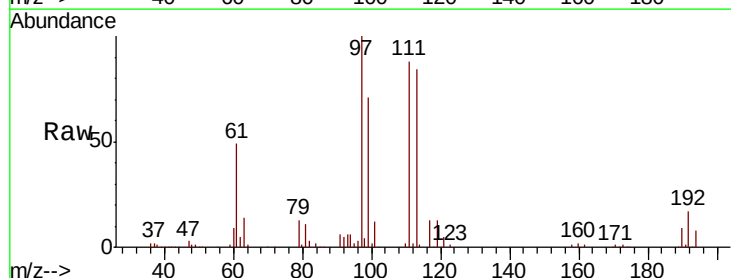
Manual Integrations
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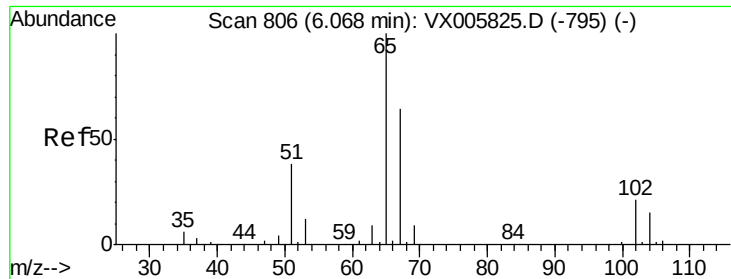
MMDadoda
11/12/2018 9:11:36 AM



#32
1,1,1-Trichloroethane
Concen: 44.590 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX005853.D
Acq: 09 Nov 2018 10:09

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	52.3	78.5
61	44.0	35.2	52.8





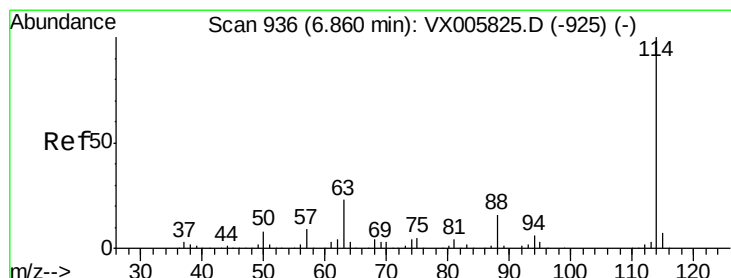
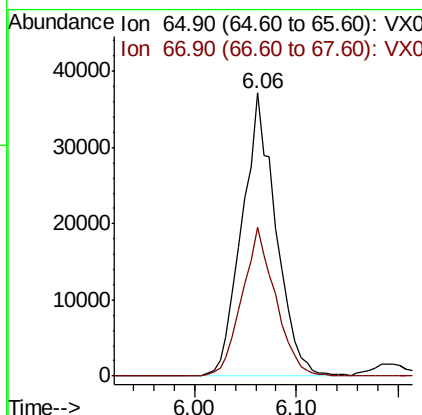
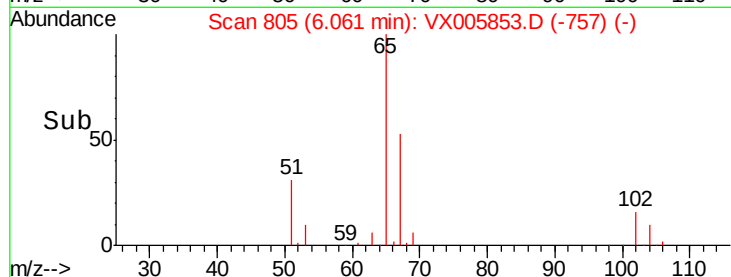
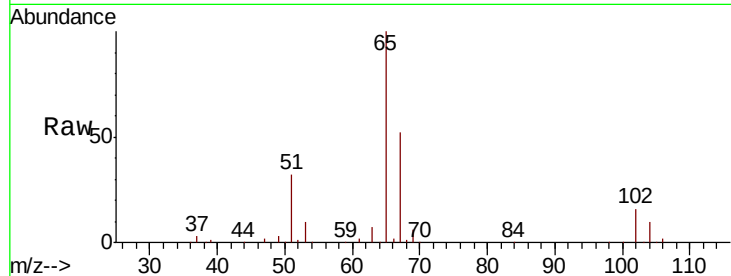
#33
 1,2-Dichloroethane-d4
 Concen: 47.873 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX005853.D
 Acq: 09 Nov 2018 10:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 65 Resp: 85830
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 105.0

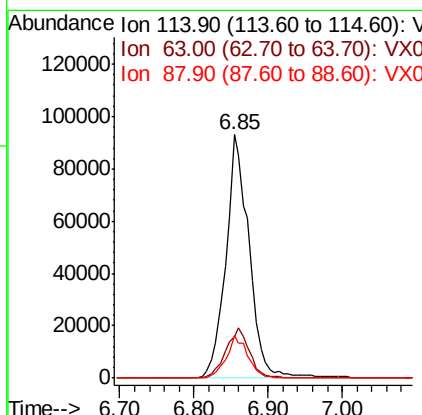
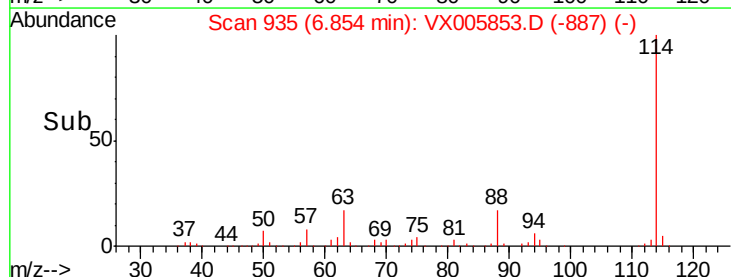
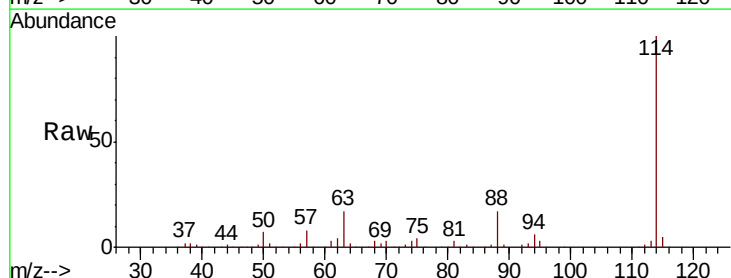
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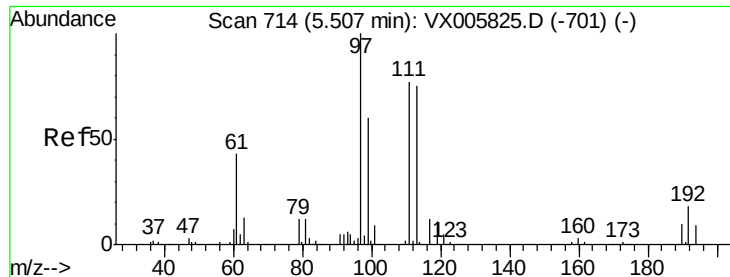
MMDadoda
 11/12/2018 9:11:36 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX005853.D
 Acq: 09 Nov 2018 10:09

Tgt Ion: 114 Resp: 203661
 Ion Ratio Lower Upper
 114 100
 63 16.8 0.0 42.8
 88 17.4 0.0 31.2





#35

Dibromofluoromethane

Concen: 52.392 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX005853.D

Acq: 09 Nov 2018 10:09

Instrument :

MSVOA_X

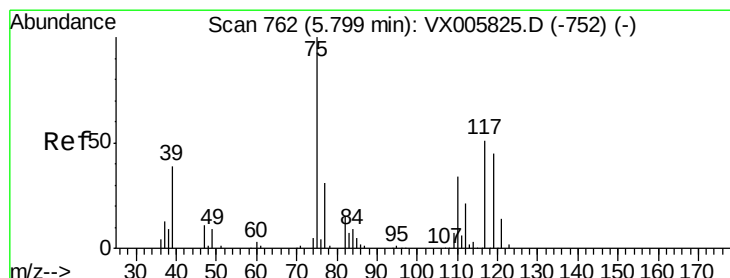
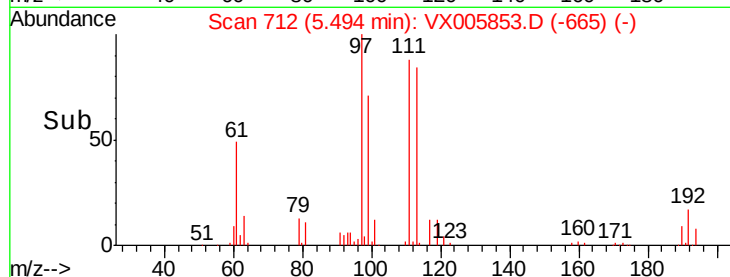
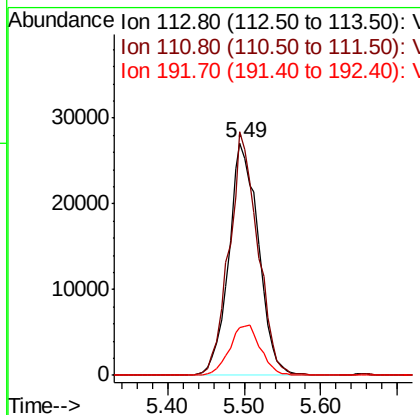
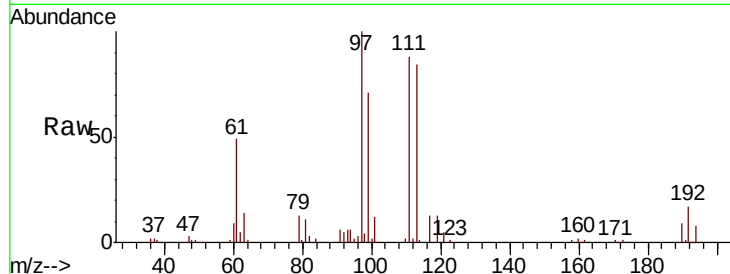
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	72573
Ion	Ratio	Lower	Upper
113	100		
111	101.1	82.3	123.5
192	22.6	17.9	26.9

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 47.510 ug/l

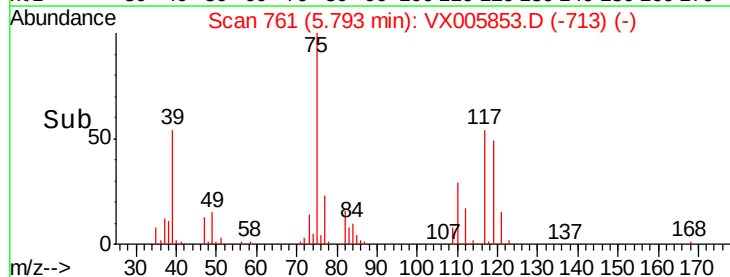
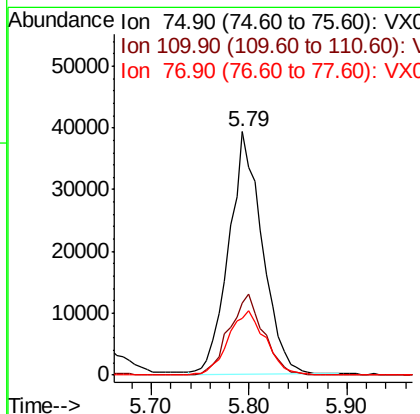
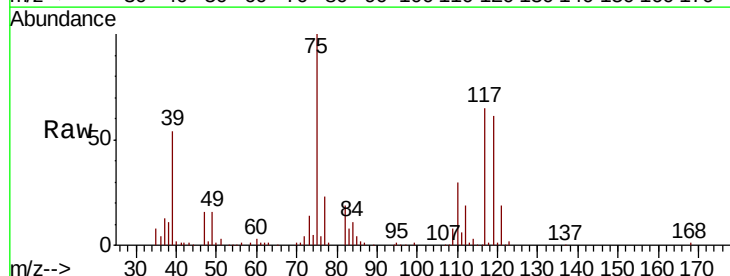
RT: 5.79 min Scan# 761

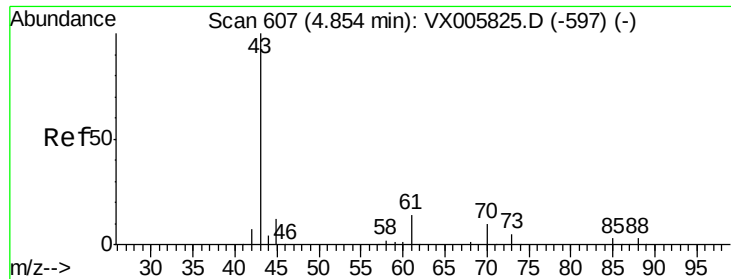
Delta R.T. -0.01 min

Lab File: VX005853.D

Acq: 09 Nov 2018 10:09

Tgt Ion:	75	Resp:	93279
Ion	Ratio	Lower	Upper
75	100		
110	34.6	17.4	52.2
77	29.7	25.8	38.6





#37

Ethyl Acetate

Concen: 46.490 ug/l

RT: 4.85 min Scan# 606

Delta R.T. -0.01 min

Lab File: VX005853.D

Acq: 09 Nov 2018 10:09

Instrument :

MSVOA_X

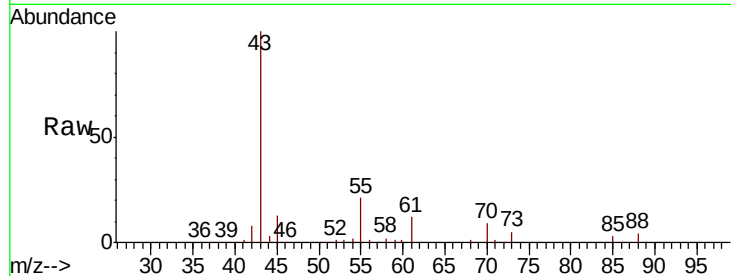
ClientSampleId :

VSTDCCC050

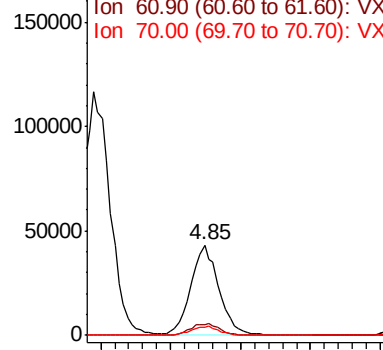
Tot Ion:	43	Resp:	120029
Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.8	16.2
70	10.0	7.8	11.8

Manual Integrations
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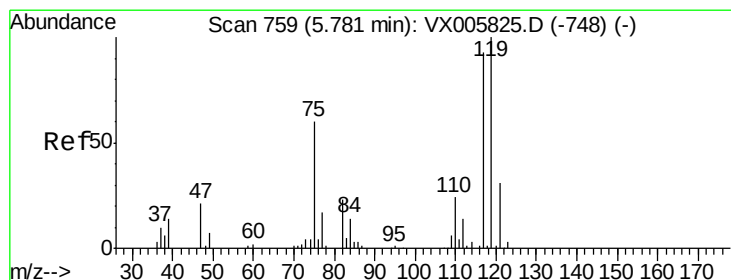
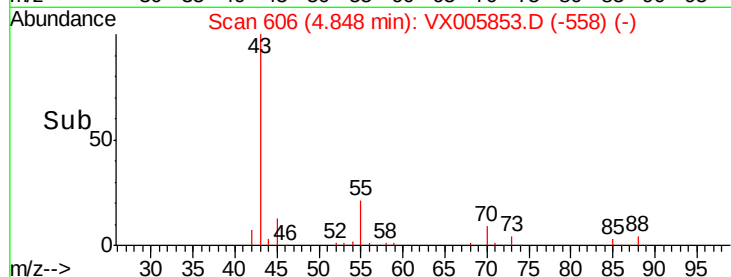
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Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0



Time-->



#38

Carbon Tetrachloride

Concen: 46.114 ug/l

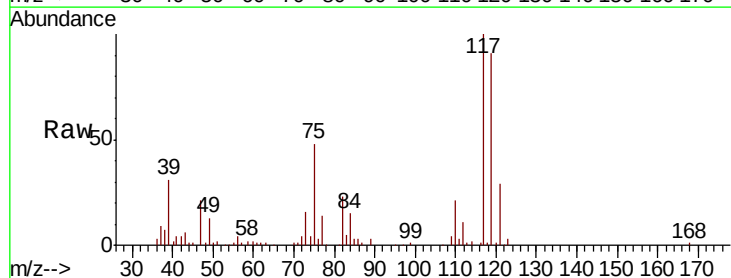
RT: 5.77 min Scan# 758

Delta R.T. -0.01 min

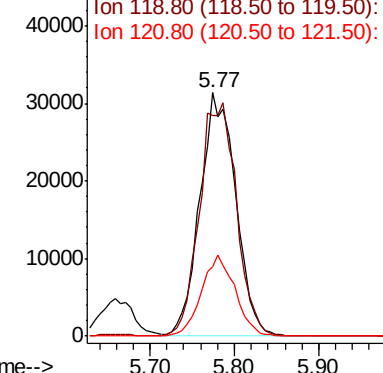
Lab File: VX005853.D

Acq: 09 Nov 2018 10:09

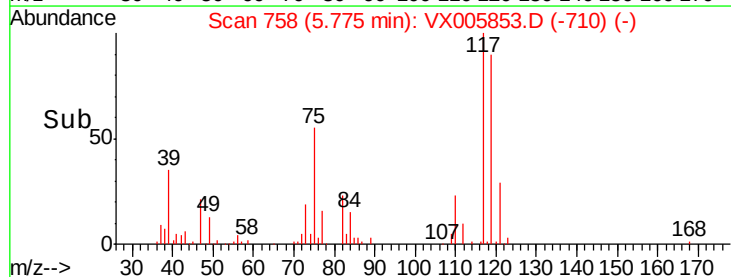
Tgt Ion:	117	Resp:	90639
Ion	Ratio	Lower	Upper
117	100		
119	90.8	78.1	117.1
121	28.7	24.6	36.8

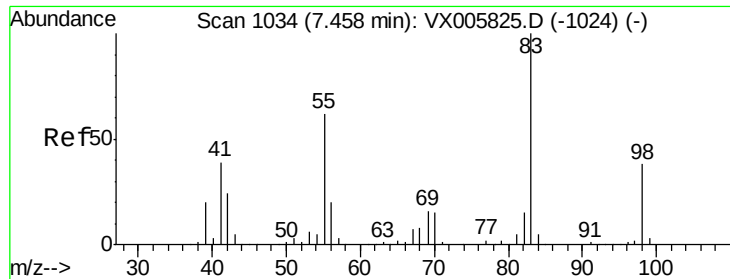


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V



Time-->





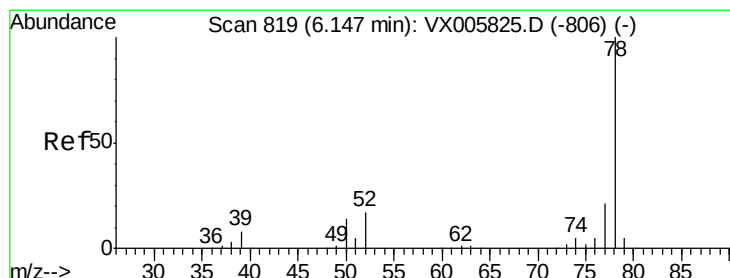
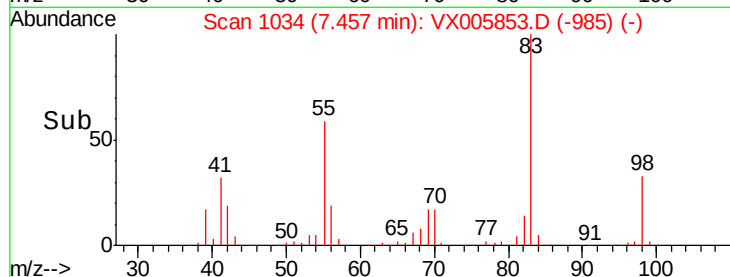
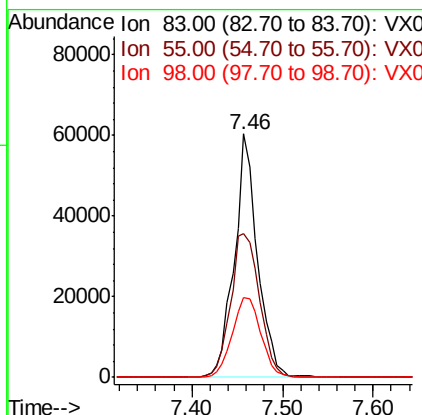
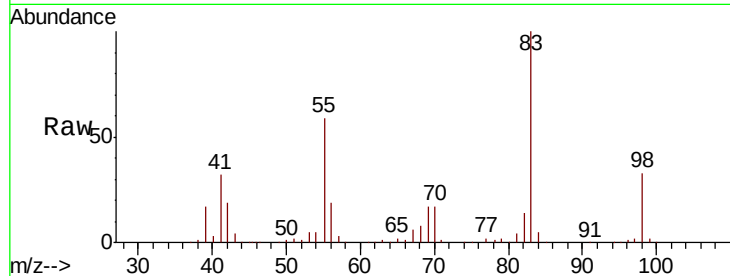
#39
Methylvlcyclohexane
Concen: 53.785 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.00 min
Lab File: VX005853.D
Acq: 09 Nov 2018 10:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	58.9	63.7	95.5#
98	32.9	36.2	54.2#

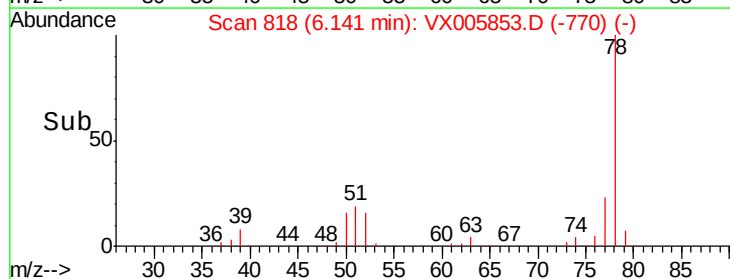
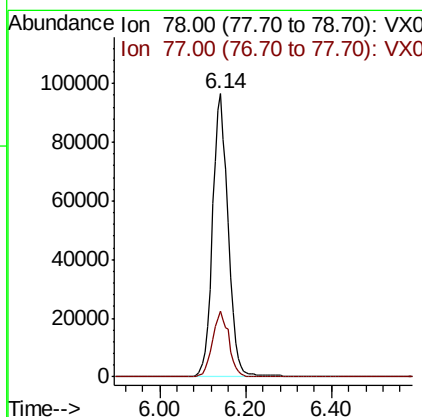
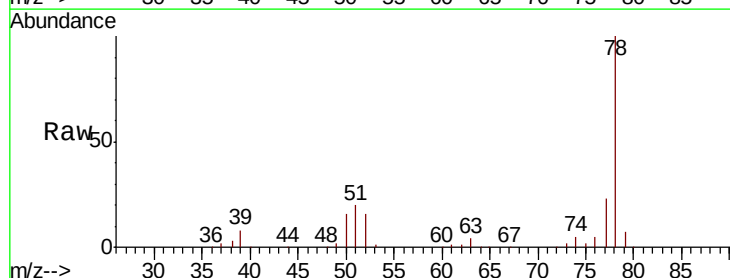
Manual Integrations
APPROVED

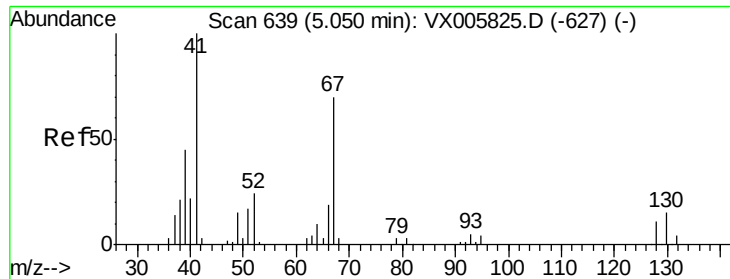
MMDadoda
11/12/2018 9:11:36 AM



#40
Benzene
Concen: 43.421 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX005853.D
Acq: 09 Nov 2018 10:09

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.4	27.6





#41

Methacrylonitrile

Concen: 47.056 ug/l

RT: 5.05 min Scan# 639

Delta R.T. -0.00 min

Lab File: VX005853.D

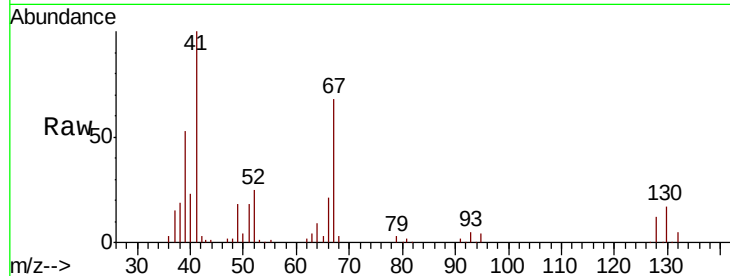
Acq: 09 Nov 2018 10:09

Tot Ion	Ratio	Lower	Upper
41	100		
39	53.1	42.2	63.2
67	67.6	53.4	80.0
52	27.2	23.4	35.2

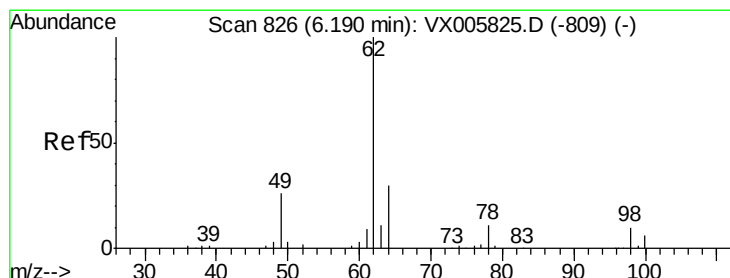
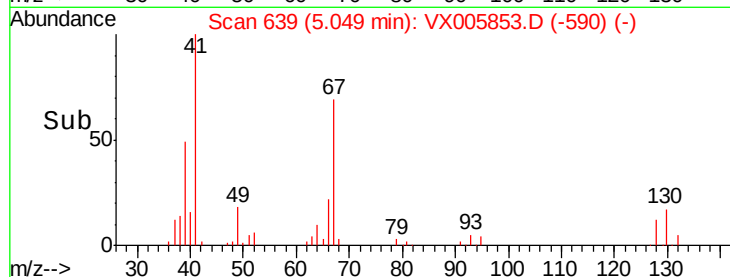
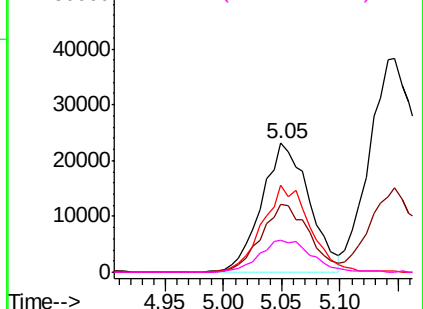
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
11/12/2018 9:11:36 AM



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 43.625 ug/l

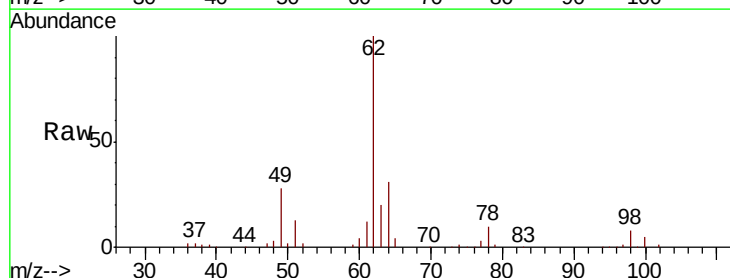
RT: 6.19 min Scan# 826

Delta R.T. -0.00 min

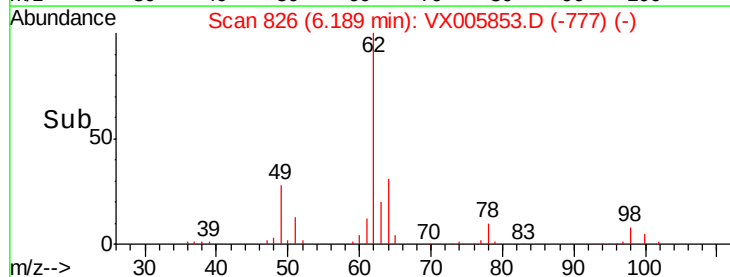
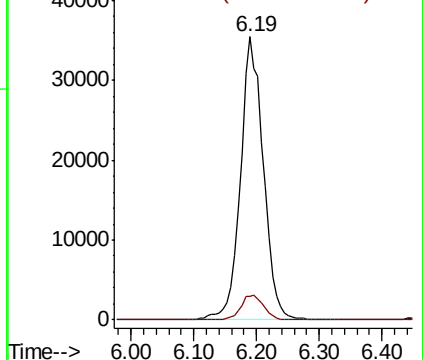
Lab File: VX005853.D

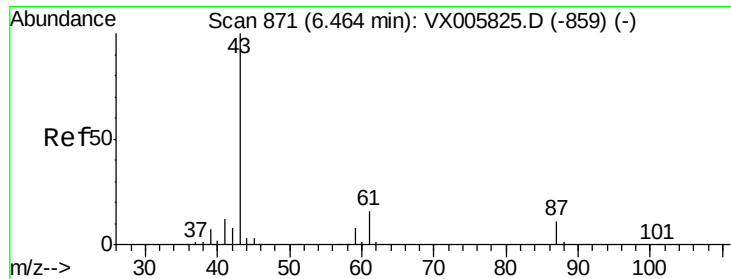
Acq: 09 Nov 2018 10:09

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.8



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 44.503 ug/l

RT: 6.46 min Scan# 871

Delta R.T. -0.00 min

Lab File: VX005853.D

Acq: 09 Nov 2018 10:09

Instrument :

MSVOA_X

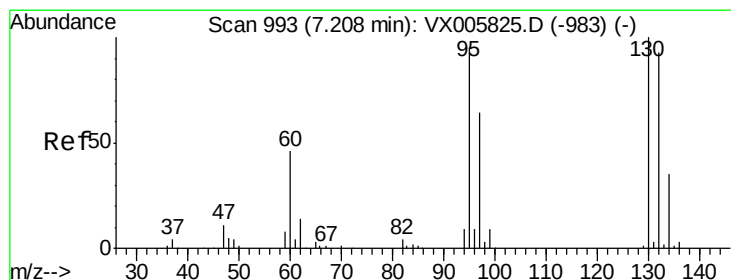
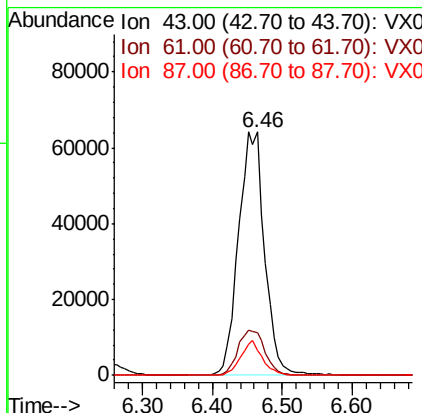
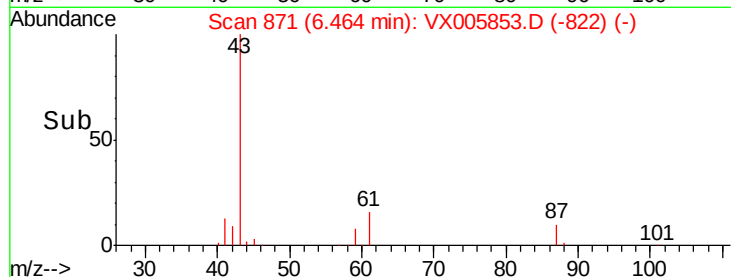
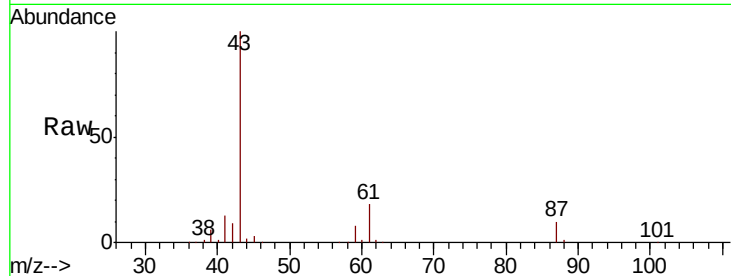
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	166490
Ion	Ratio	Lower	Upper
43	100		
61	19.4	14.6	22.0
87	11.9	9.6	14.4

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#44

Trichloroethene

Concen: 46.712 ug/l

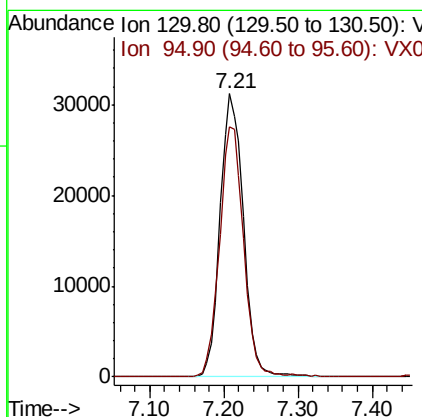
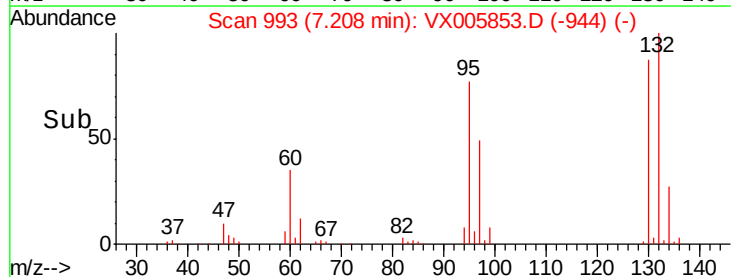
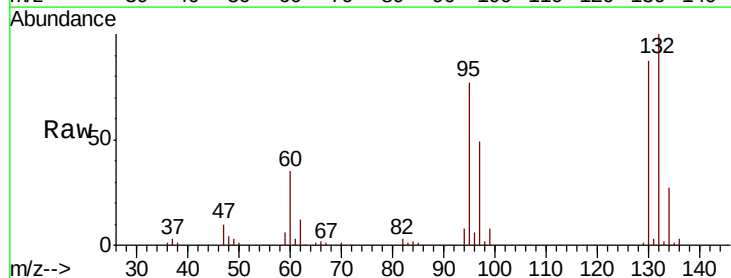
RT: 7.21 min Scan# 993

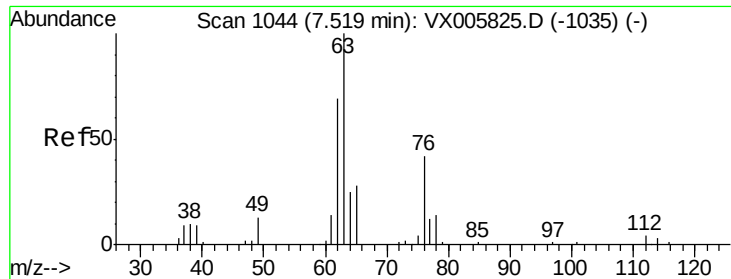
Delta R.T. -0.00 min

Lab File: VX005853.D

Acq: 09 Nov 2018 10:09

Tgt Ion:	130	Resp:	67898
Ion	Ratio	Lower	Upper
130	100		
95	88.3	0.0	194.2





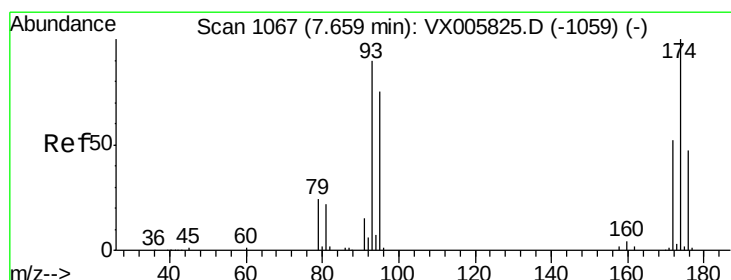
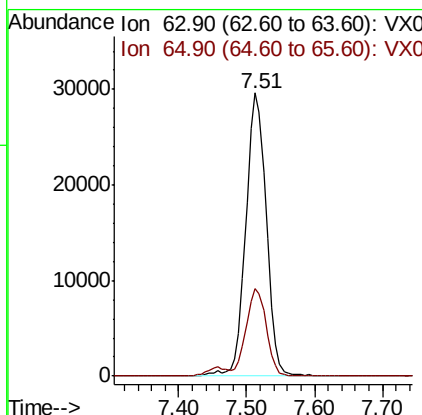
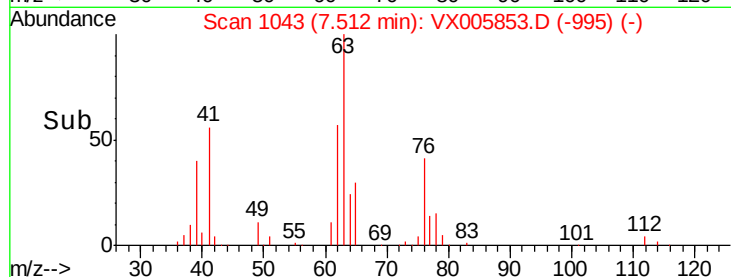
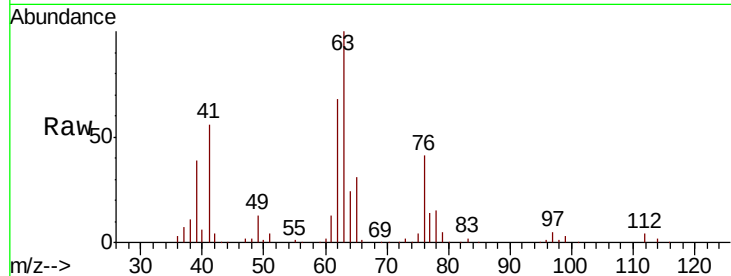
#45
 1,2-Dichloropropane
 Concen: 44.781 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.01 min
 Lab File: VX005853.D
 Acq: 09 Nov 2018 10:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 62210
 Ion Ratio Lower Upper
 63 100
 65 31.0 24.8 37.2

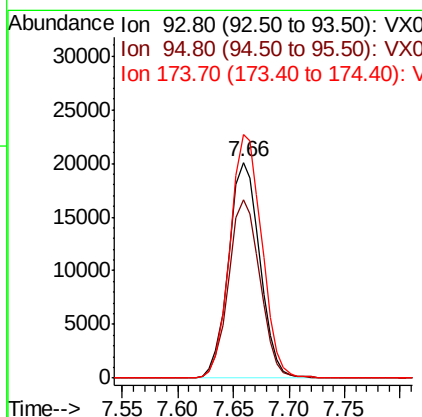
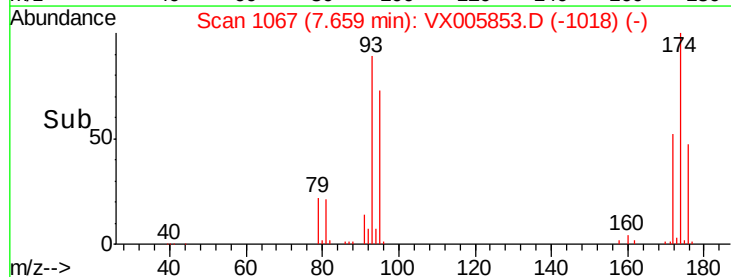
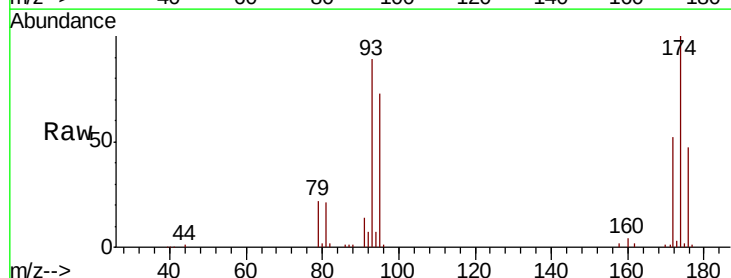
Manual Integrations
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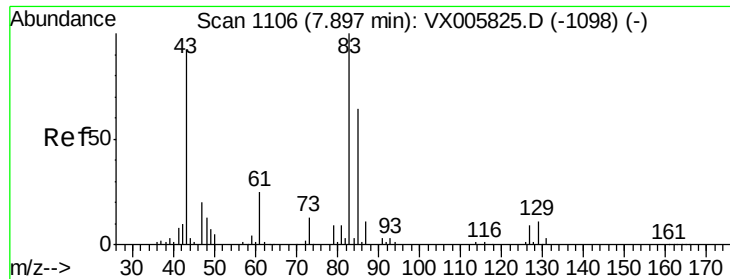
MMDadoda
 11/12/2018 9:11:36 AM



#46
 Dibromomethane
 Concen: 44.892 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX005853.D
 Acq: 09 Nov 2018 10:09

Tgt Ion: 93 Resp: 39134
 Ion Ratio Lower Upper
 93 100
 95 83.0 67.4 101.0
 174 114.6 91.5 137.3





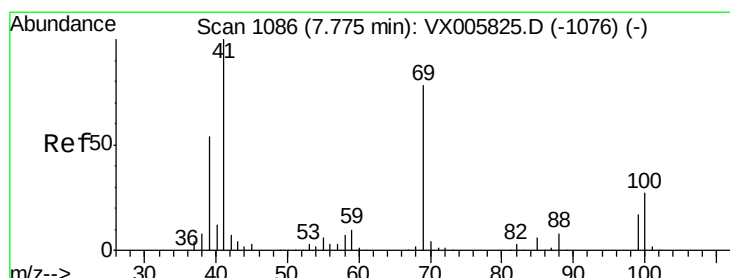
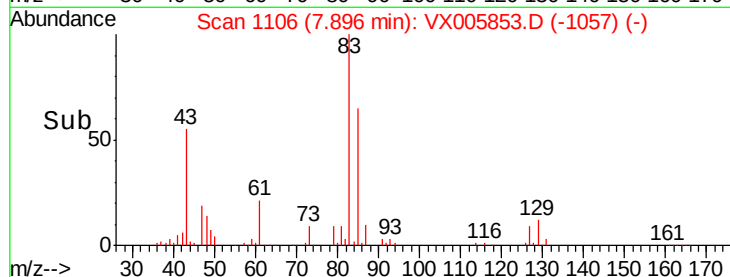
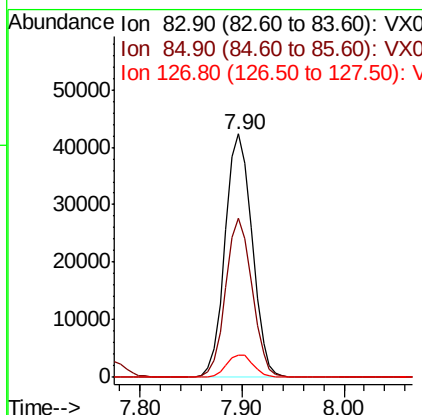
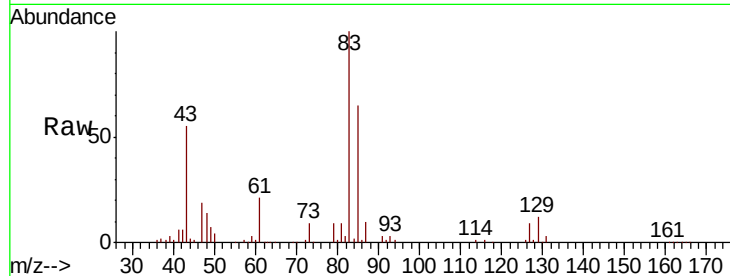
#47
Bromodichloromethane
Concen: 47.154 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VX005853.D
Acq: 09 Nov 2018 10:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
85	65.2	50.2	75.4
127	9.2	6.9	10.3

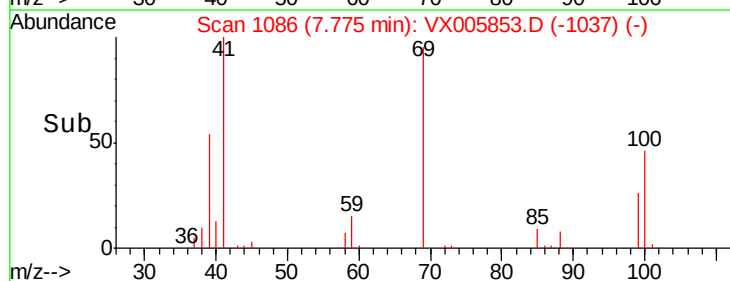
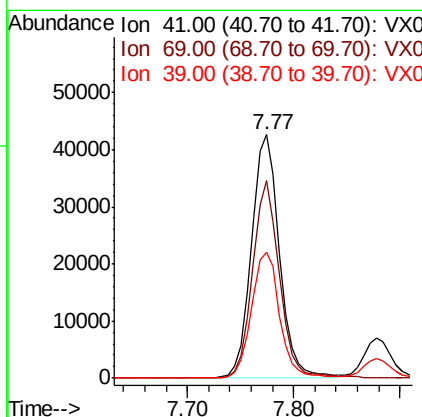
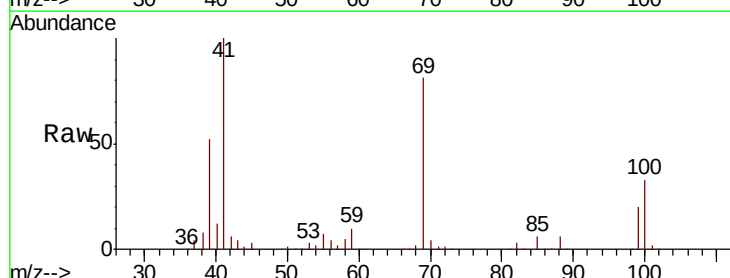
Manual Integrations
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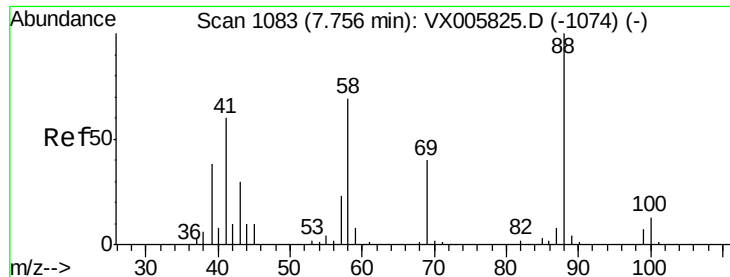
MMDadoda
11/12/2018 9:11:36 AM



#48
Methyl methacrylate
Concen: 46.966 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. -0.00 min
Lab File: VX005853.D
Acq: 09 Nov 2018 10:09

Tgt Ion	Ratio	Lower	Upper
41	100		
69	78.3	63.2	94.8
39	52.2	42.2	63.2





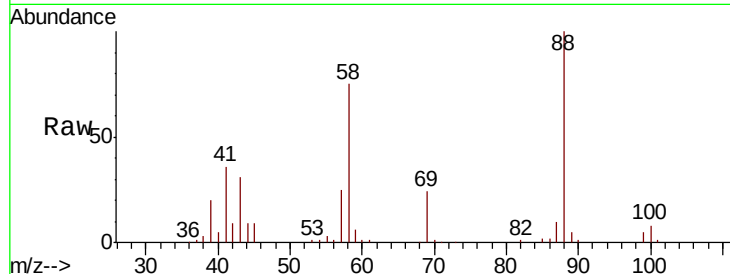
#49
1,4-Dioxane
Concen: 869.581 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX005853.D
Acq: 09 Nov 2018 10:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.0	27.4	41.0
58	74.8	59.4	89.2

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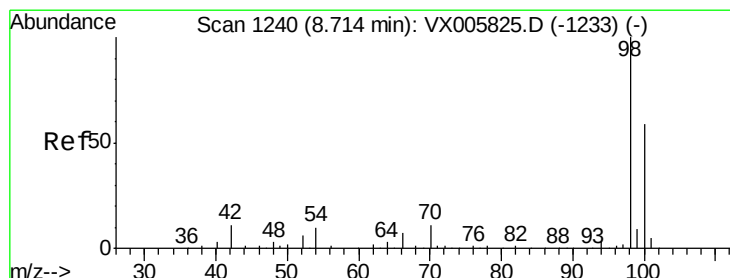
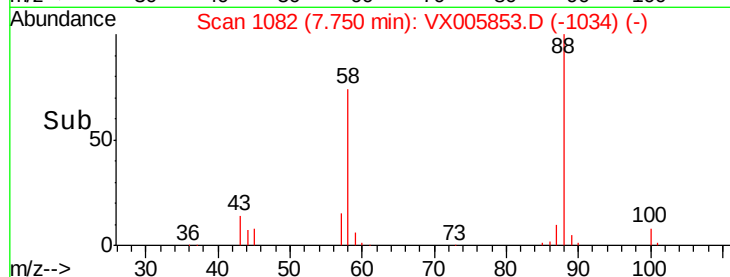
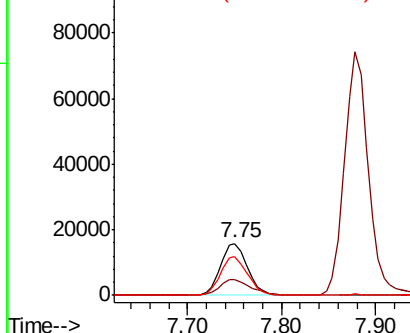


Abundance

Ion 88.00 (87.70 to 88.70): VX0

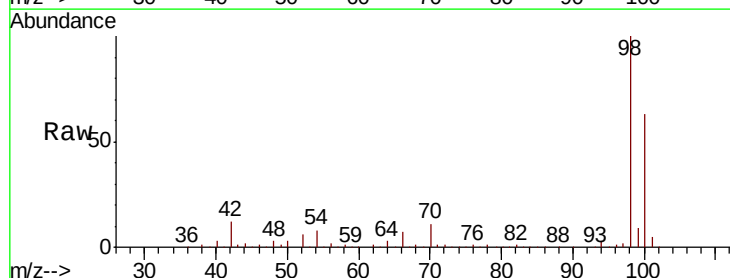
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
Toluene-d8
Concen: 50.048 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005853.D
Acq: 09 Nov 2018 10:09

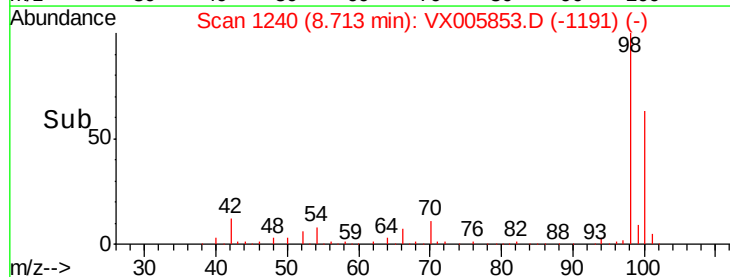
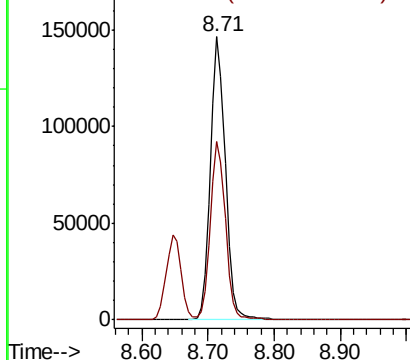
Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.3	76.9

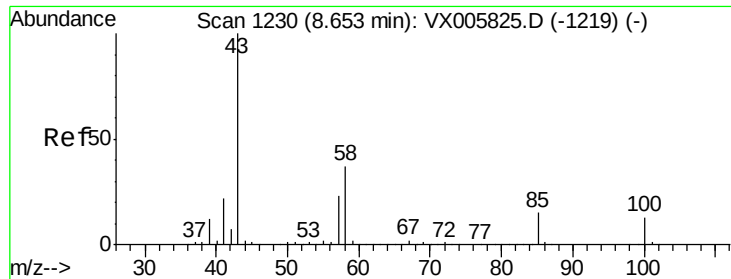


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 217.272 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VX005853.D

Acq: 09 Nov 2018 10:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 512282

Ion Ratio Lower Upper

43 100

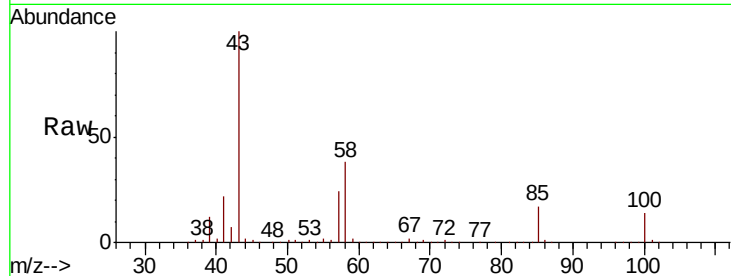
58 37.3 29.7 44.5

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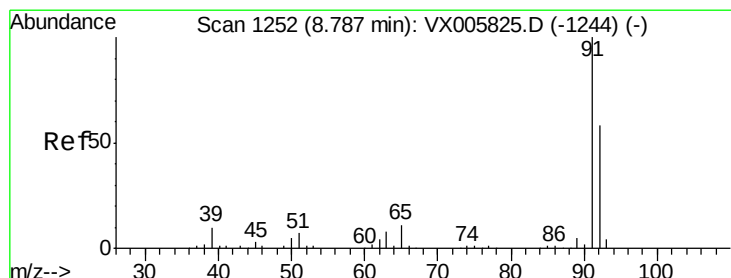
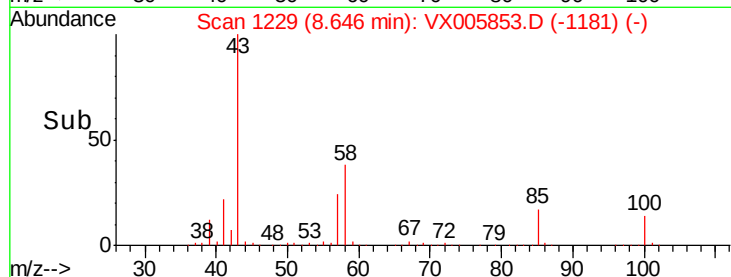
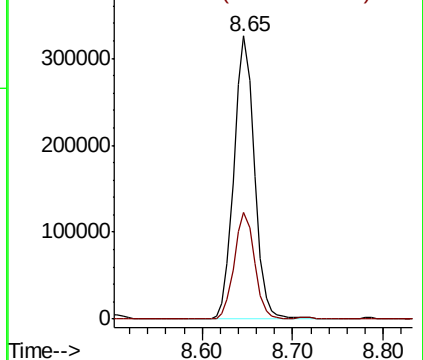
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 44.338 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX005853.D

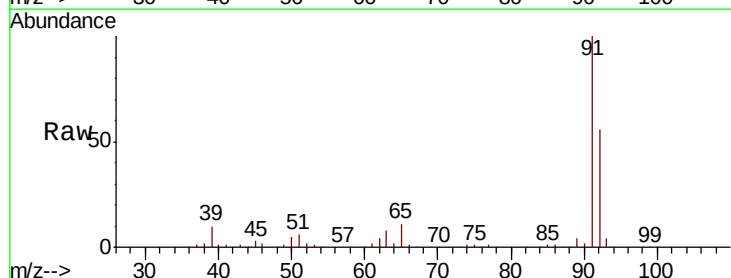
Acq: 09 Nov 2018 10:09

Tgt Ion: 92 Resp: 141829

Ion Ratio Lower Upper

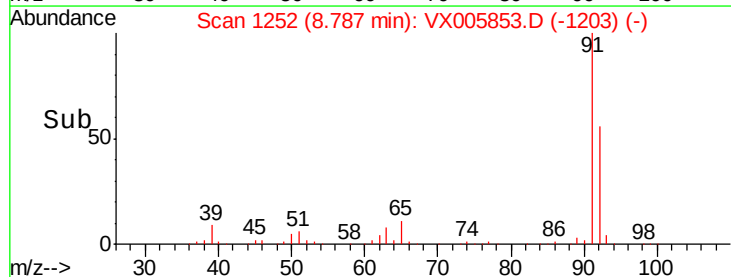
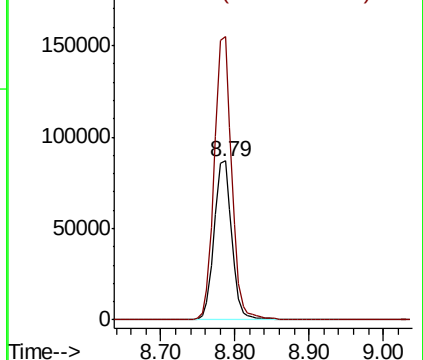
92 100

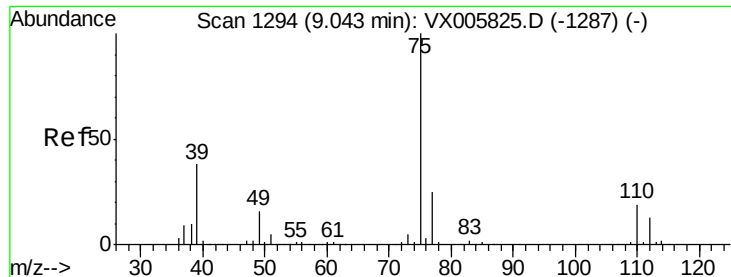
91 175.9 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





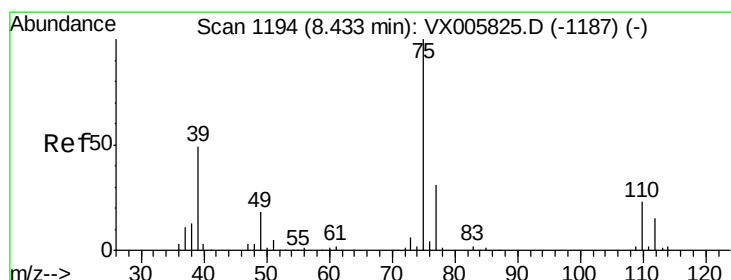
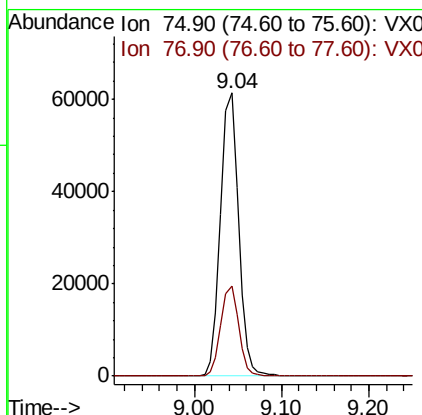
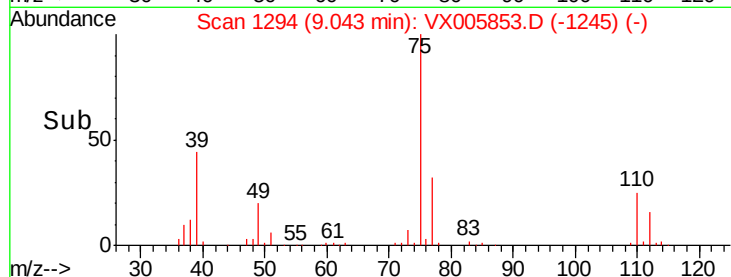
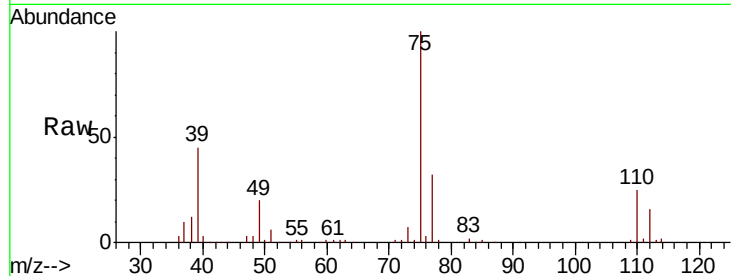
#53
t-1,3-Dichloropropene
Concen: 45.374 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX005853.D
Acq: 09 Nov 2018 10:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 88215
Ion Ratio Lower Upper
75 100
77 32.0 25.4 38.2

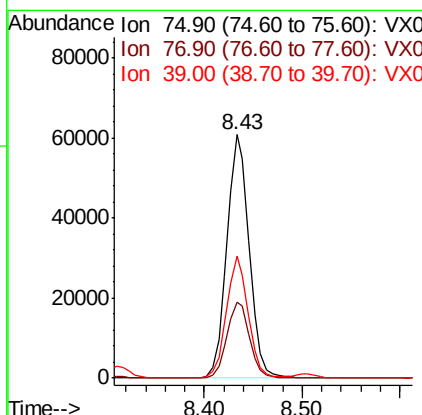
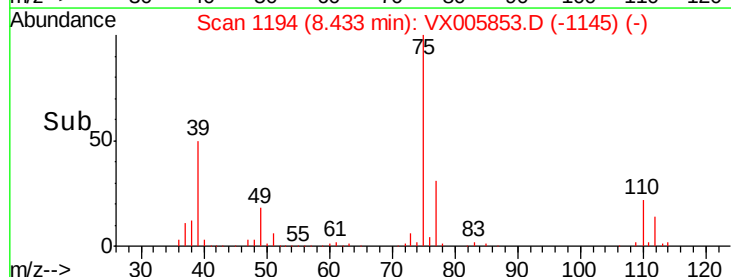
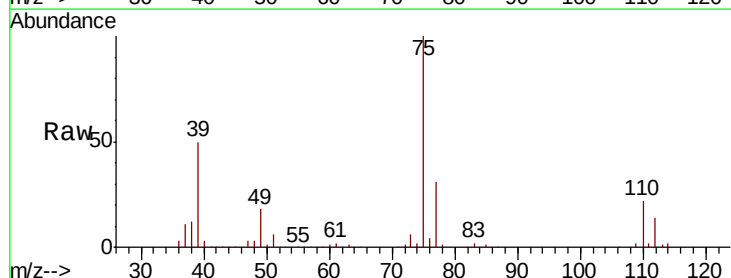
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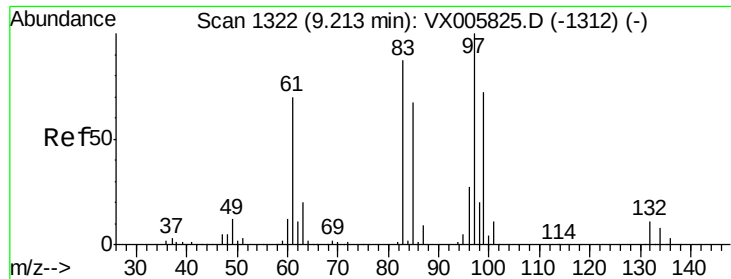
MMDadoda
11/12/2018 9:11:36 AM



#54
cis-1,3-Dichloropropene
Concen: 48.430 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX005853.D
Acq: 09 Nov 2018 10:09

Tgt Ion: 75 Resp: 95969
Ion Ratio Lower Upper
75 100
77 31.3 25.2 37.8
39 50.1 38.2 57.2





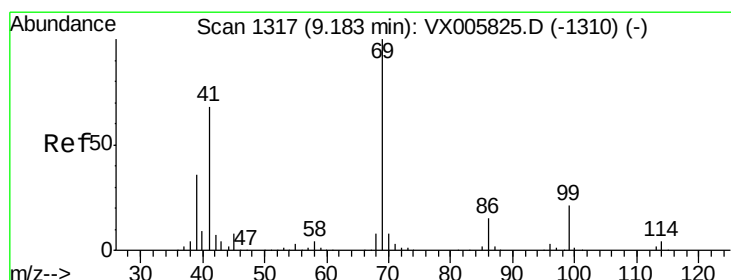
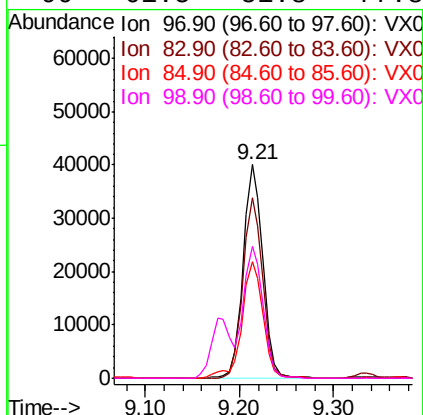
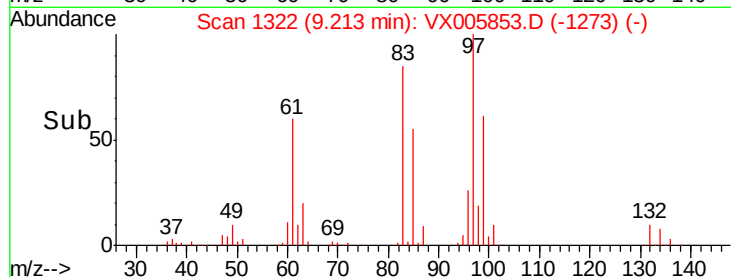
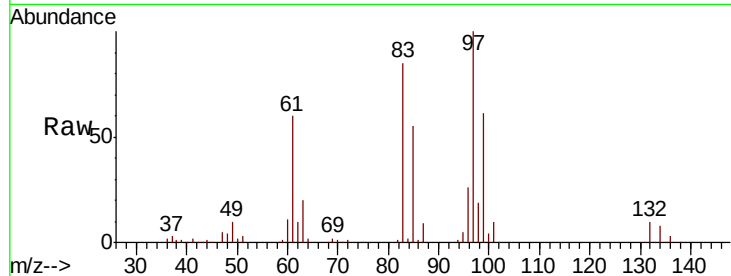
#55
 1,1,2-Trichloroethane
 Concen: 40.962 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX005853.D
 Acq: 09 Nov 2018 10:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		58397		
83	84.7	70.7	106.1		
85	54.7	45.8	68.6		
99	61.5	51.8	77.8		

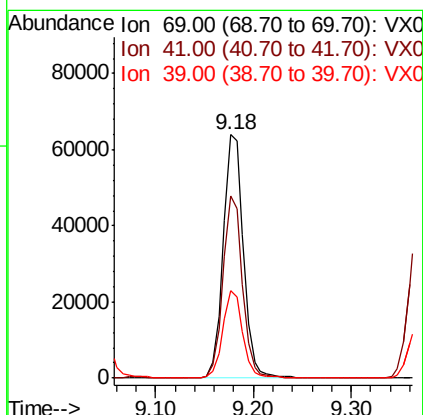
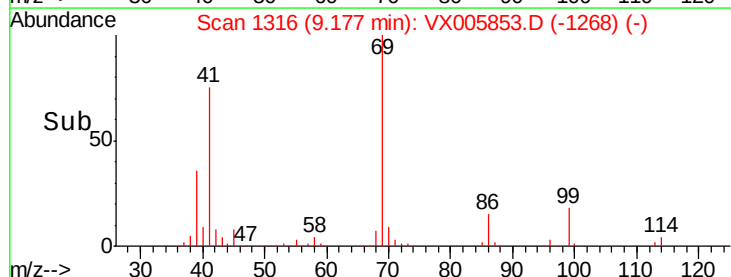
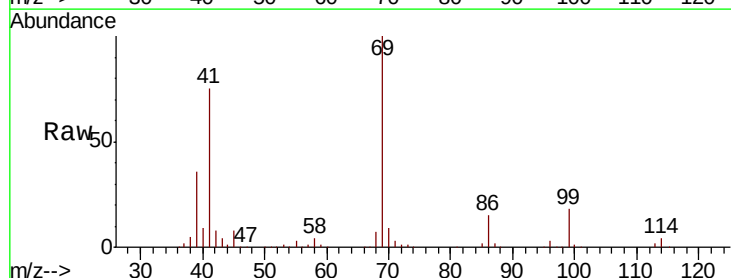
Manual Integrations
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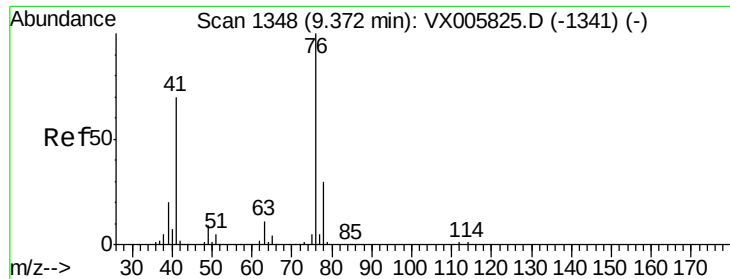
MMDadoda
 11/12/2018 9:11:36 AM



#56
 Ethyl methacrylate
 Concen: 42.876 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.01 min
 Lab File: VX005853.D
 Acq: 09 Nov 2018 10:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		91460		
41	73.1	57.0	85.6		
39	35.3	28.3	42.5		





#57

1,3-Dichloropropane

Concen: 41.193 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX005853.D

Acq: 09 Nov 2018 10:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 98690

Ion Ratio Lower Upper

76 100

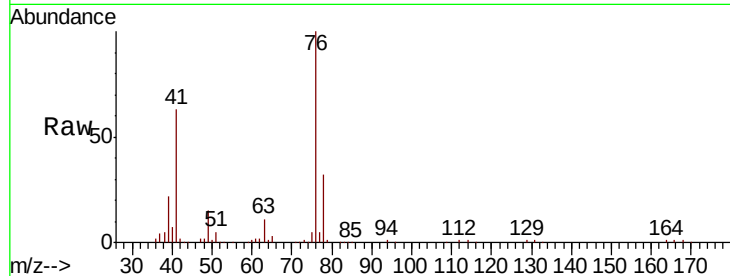
78 32.2 25.3 37.9

Manual Integrations

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MMDadoda

11/12/2018 9:11:36 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

80000

60000

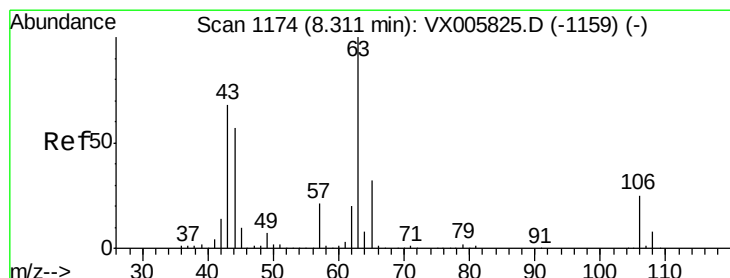
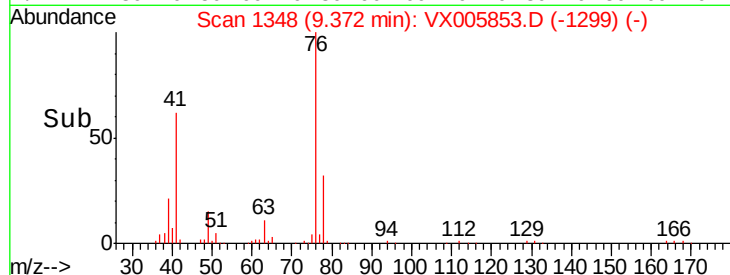
40000

20000

0

9.30 9.40 9.50

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 206.670 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX005853.D

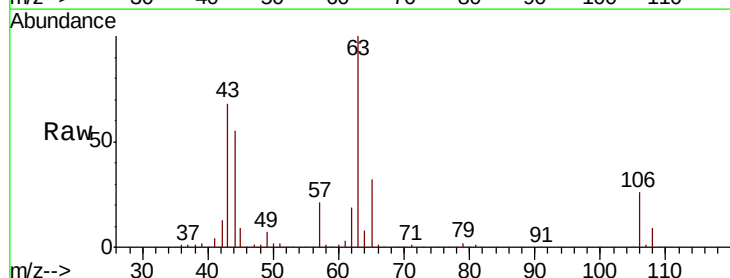
Acq: 09 Nov 2018 10:09

Tgt Ion: 63 Resp: 238498

Ion Ratio Lower Upper

63 100

106 26.3 21.3 31.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.31

150000

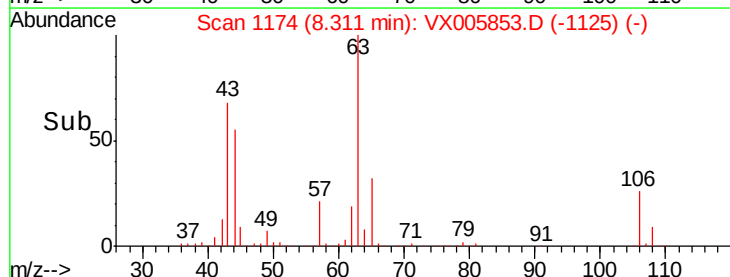
100000

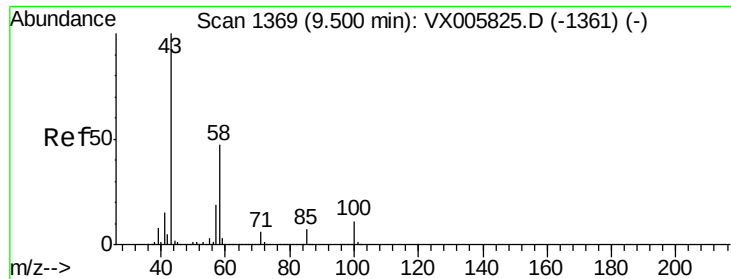
50000

0

8.20 8.30 8.40

Time-->





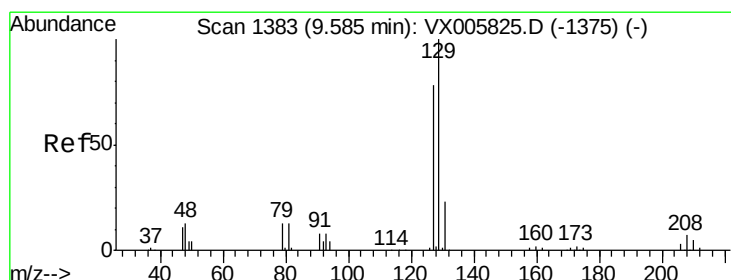
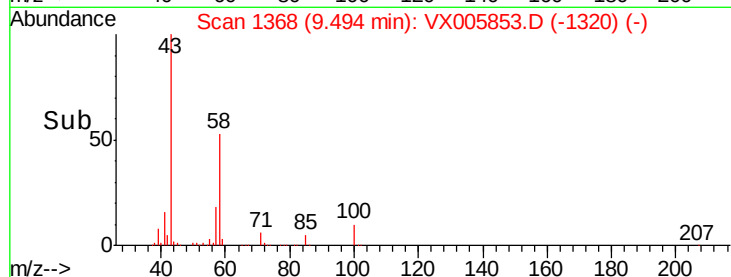
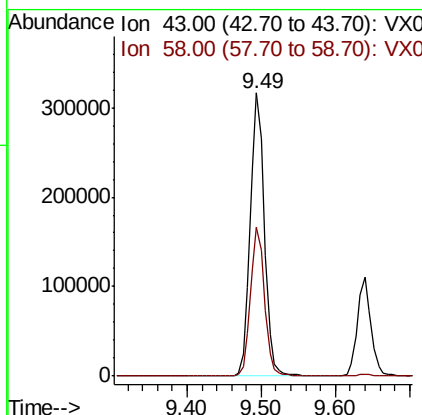
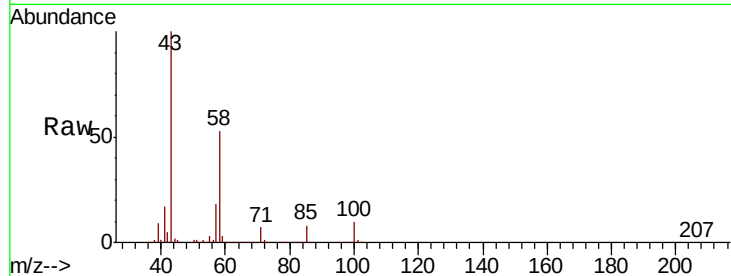
#59
2-Hexanone
Concen: 204.278 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX005853.D
Acq: 09 Nov 2018 10:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.2	25.9	77.8

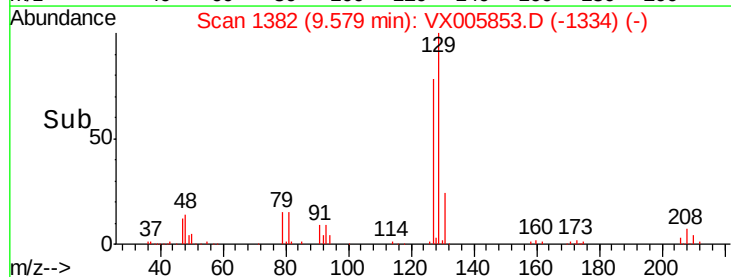
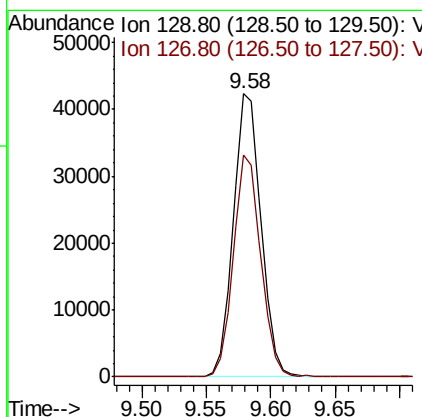
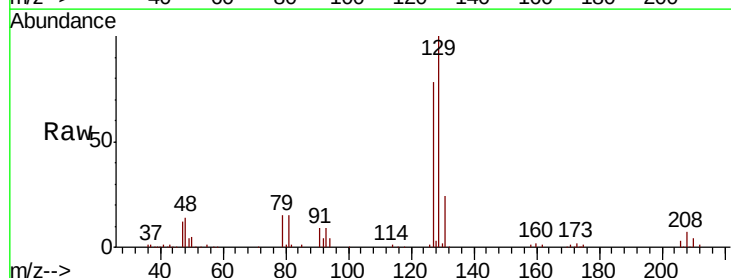
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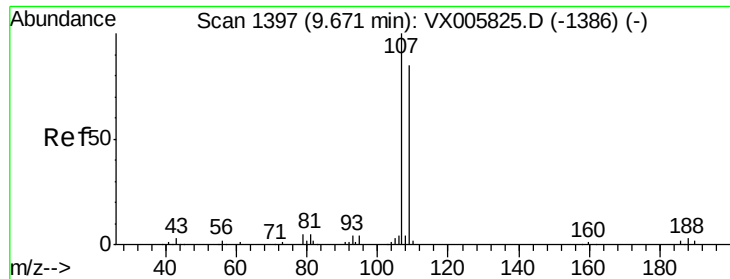
MMDadoda
11/12/2018 9:11:36 AM



#60
Dibromochloromethane
Concen: 41.239 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.01 min
Lab File: VX005853.D
Acq: 09 Nov 2018 10:09

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.3	38.9	116.7





#61

1,2-Dibromoethane

Concen: 38.513 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX005853.D

Acq: 09 Nov 2018 10:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 60714

Ion Ratio Lower Upper

107 100

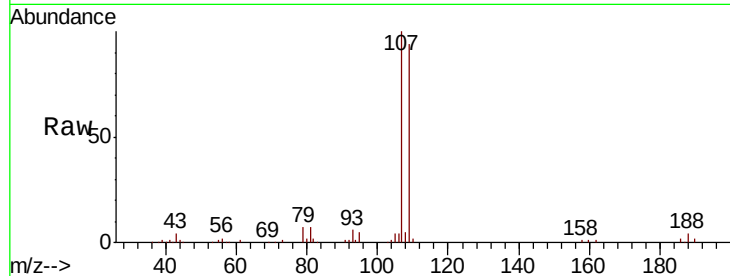
109 95.2 75.7 113.5

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

40000

30000

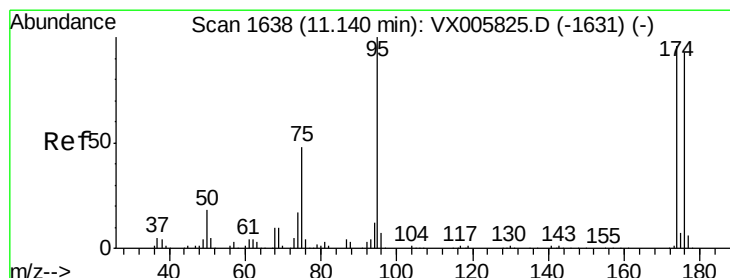
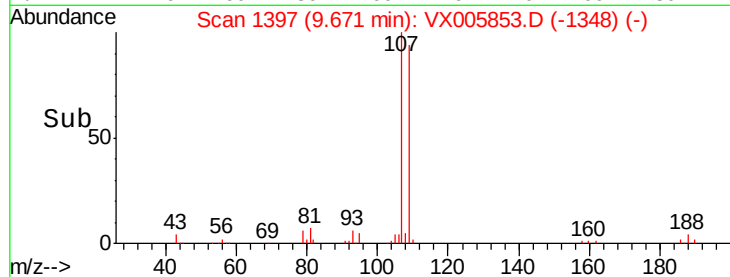
20000

10000

0

9.60 9.65 9.70 9.75

Time-->



#62

4-Bromofluorobenzene

Concen: 52.500 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.01 min

Lab File: VX005853.D

Acq: 09 Nov 2018 10:09

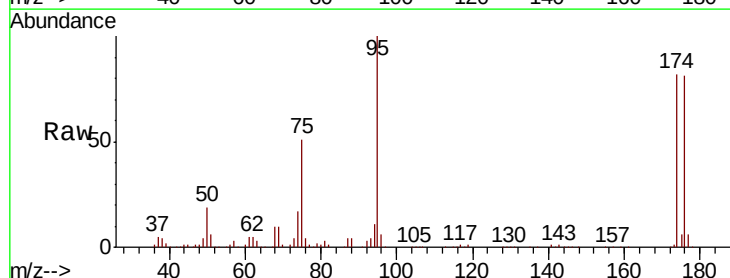
Tgt Ion: 95 Resp: 86926

Ion Ratio Lower Upper

95 100

174 90.4 0.0 184.4

176 88.9 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

11.13

80000

60000

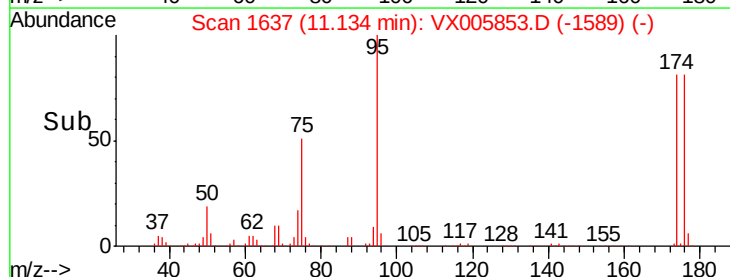
40000

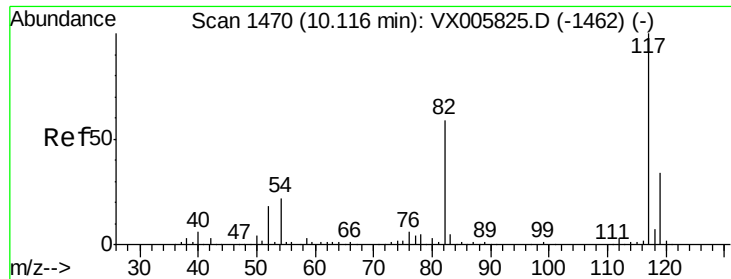
20000

0

11.10 11.20

Time-->





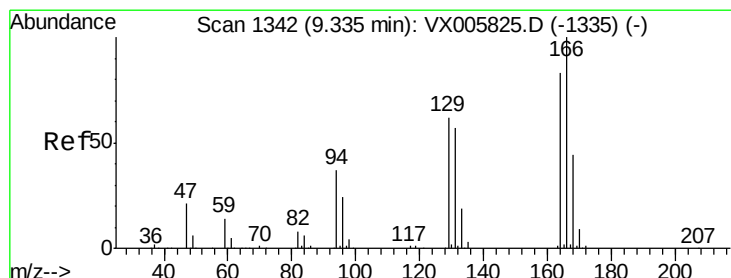
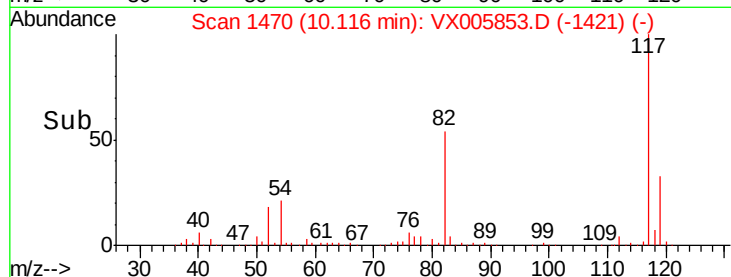
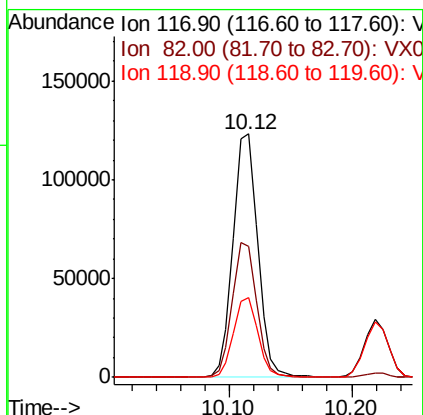
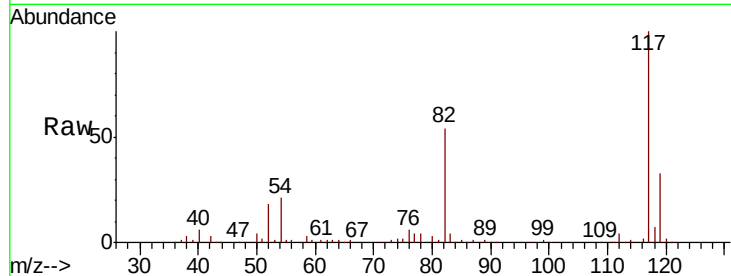
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005853.D
Acq: 09 Nov 2018 10:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.0	44.1	66.1
119	32.9	26.2	39.2

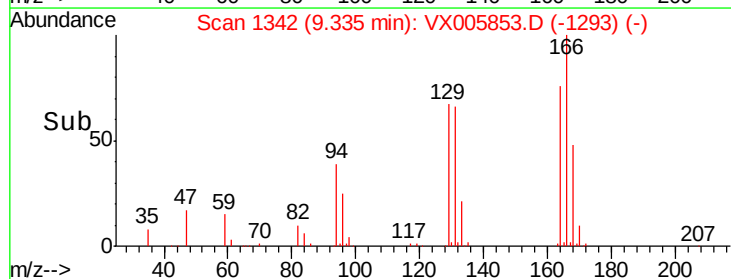
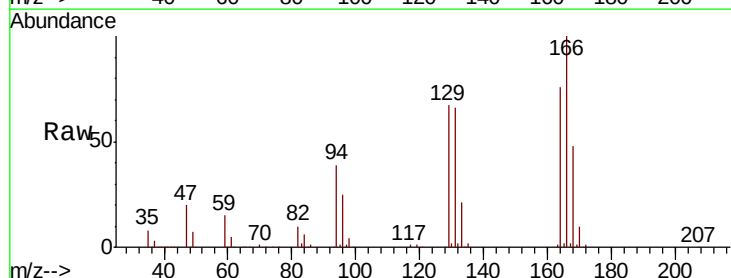
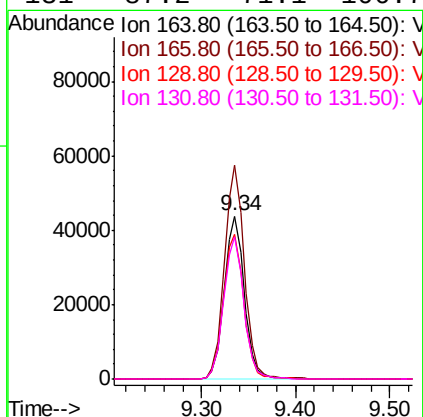
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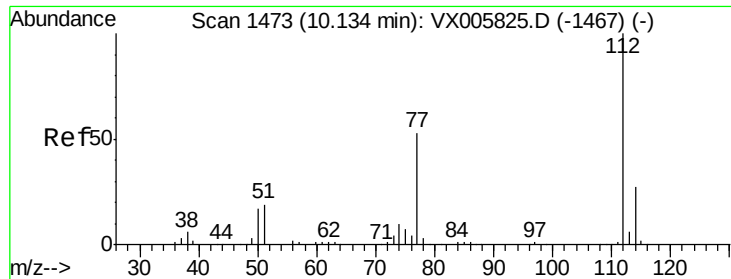
MMDadoda
11/12/2018 9:11:36 AM



#64
Tetrachloroethene
Concen: 44.052 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005853.D
Acq: 09 Nov 2018 10:09

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.2	101.9	152.9
129	88.5	72.6	109.0
131	87.2	71.1	106.7





#65

Chlorobenzene

Concen: 46.687 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VX005853.D

Acq: 09 Nov 2018 10:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 161296

Ion Ratio Lower Upper

112 100

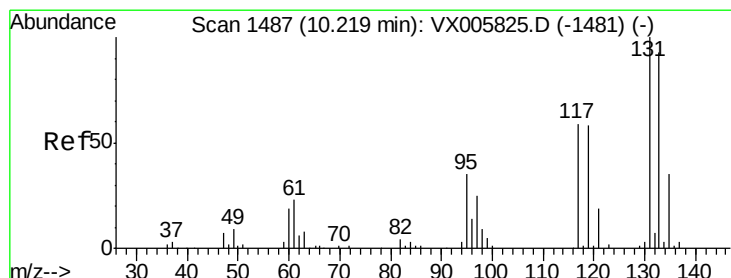
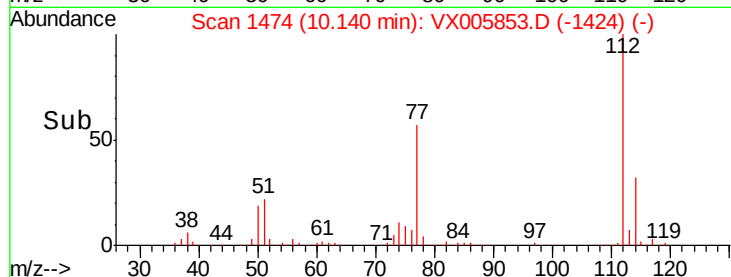
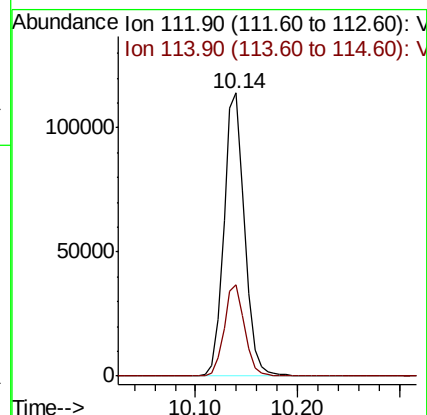
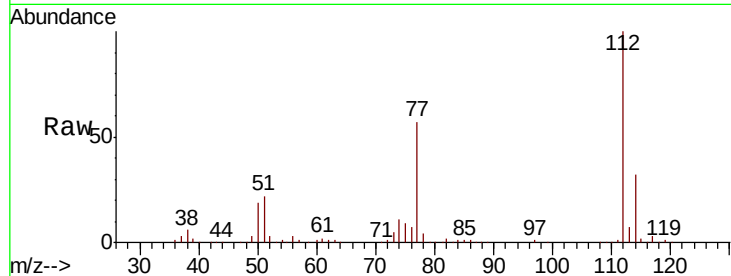
114 32.1 25.8 38.6

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#66

1,1,1,2-Tetrachloroethane

Concen: 49.388 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX005853.D

Acq: 09 Nov 2018 10:09

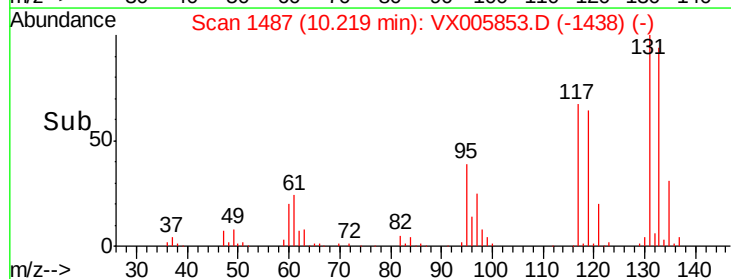
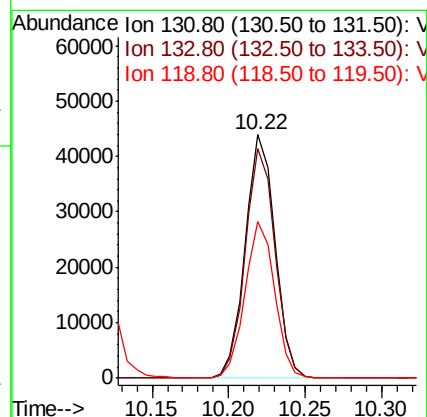
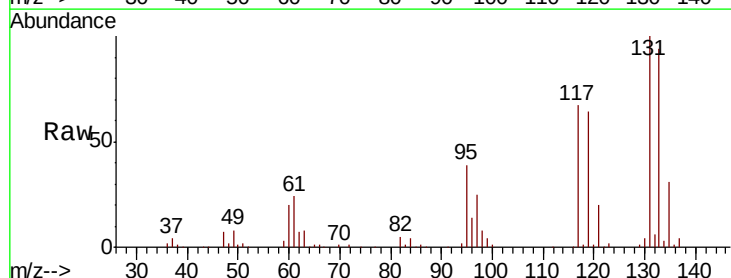
Tgt Ion:131 Resp: 59320

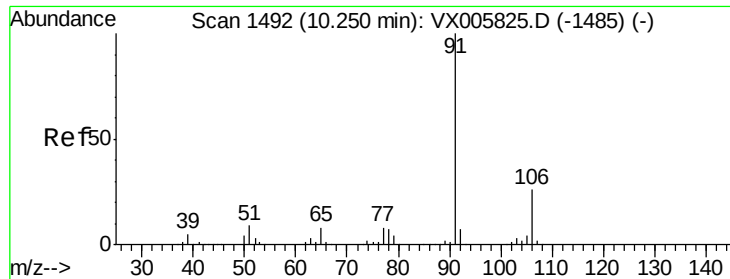
Ion Ratio Lower Upper

131 100

133 94.5 47.5 142.5

119 64.0 31.8 95.3





#67

Ethyl Benzene

Concen: 50.720 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX005853.D

Acq: 09 Nov 2018 10:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 280983

Ion Ratio Lower Upper

91 100

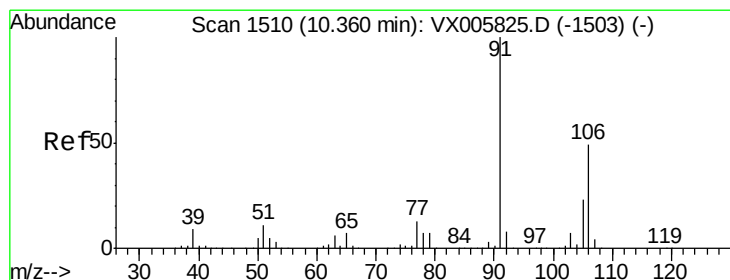
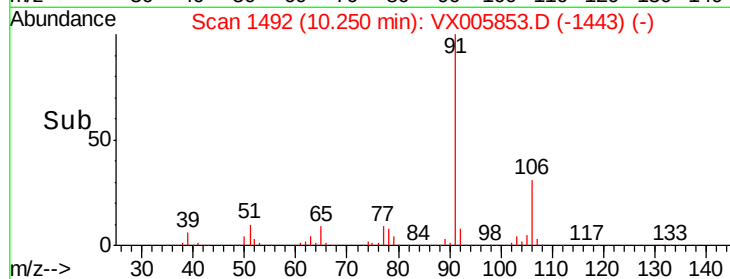
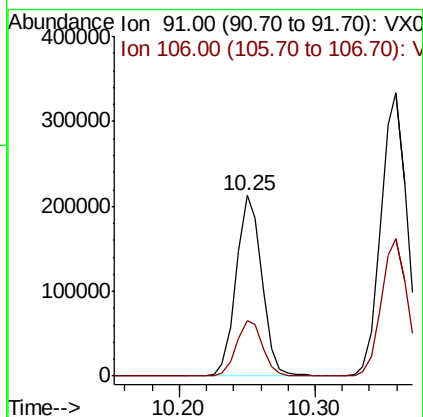
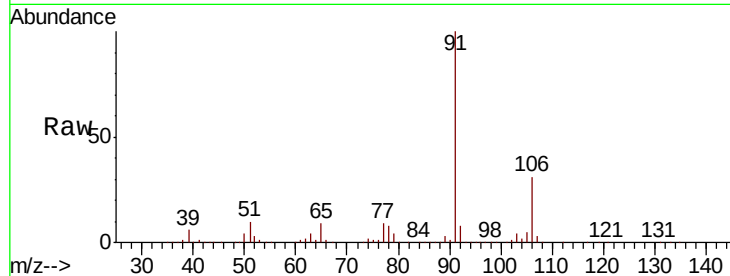
106 30.6 24.4 36.6

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#68

m/p-Xylenes

Concen: 102.837 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX005853.D

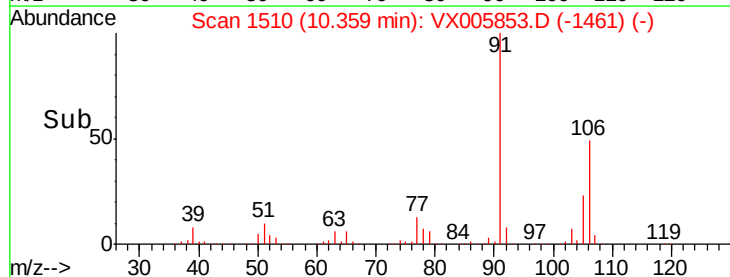
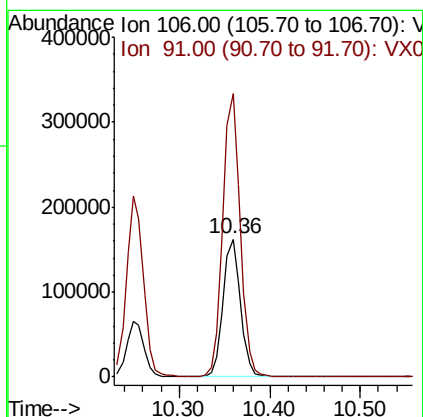
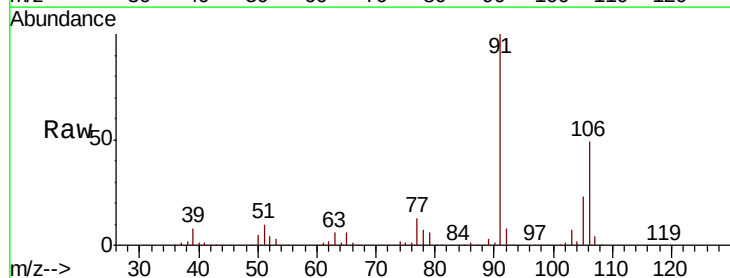
Acq: 09 Nov 2018 10:09

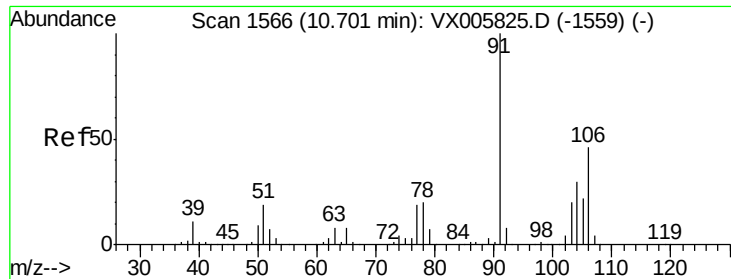
Tgt Ion: 106 Resp: 217309

Ion Ratio Lower Upper

106 100

91 206.9 164.2 246.4





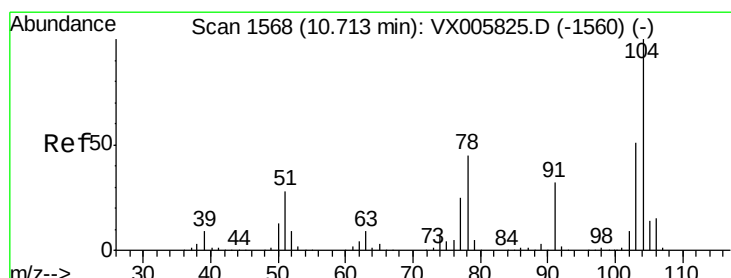
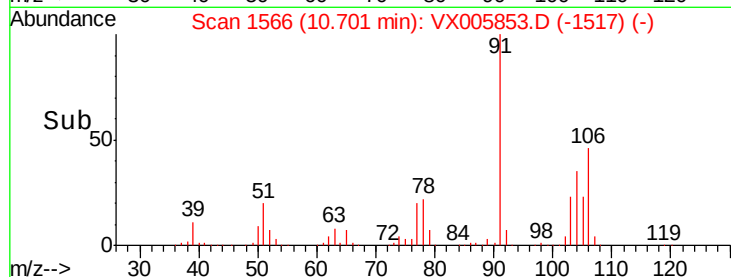
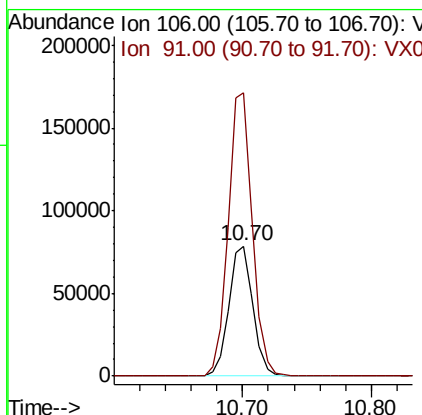
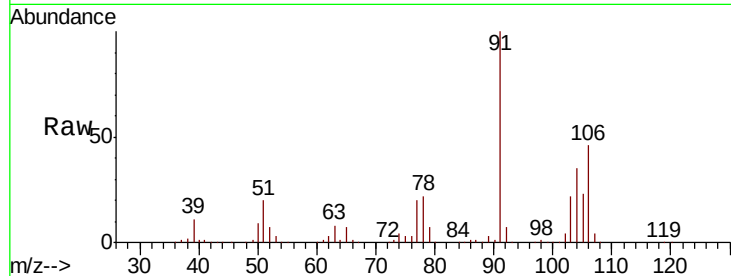
#69
o-Xylene
Concen: 54.365 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005853.D
Acq: 09 Nov 2018 10:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	218.7	108.5	325.5

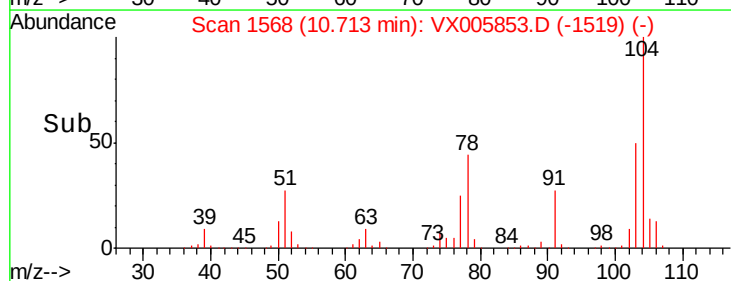
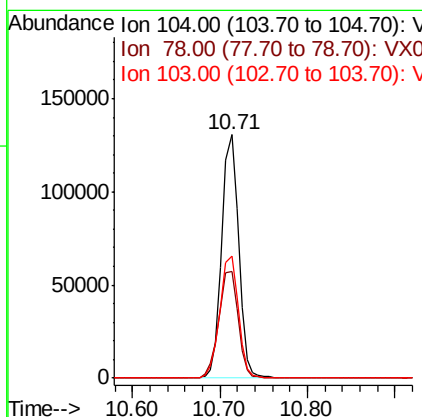
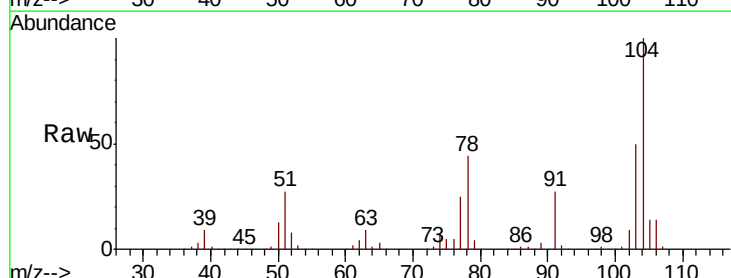
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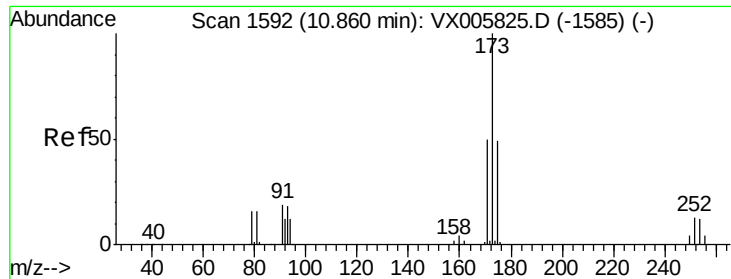
MMDadoda
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#70
Styrene
Concen: 56.018 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005853.D
Acq: 09 Nov 2018 10:09

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.3	40.2	60.4
103	55.3	44.9	67.3





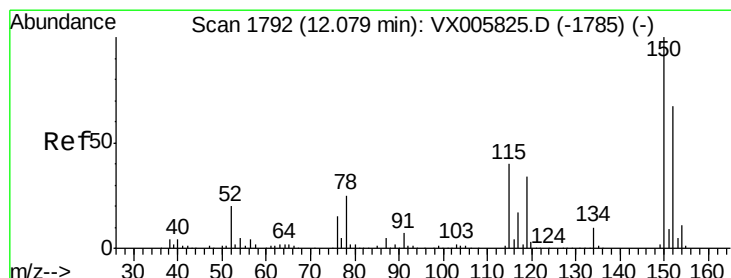
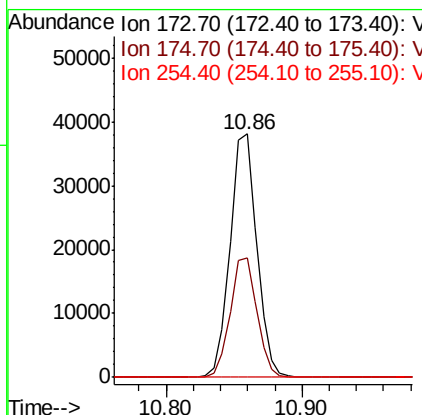
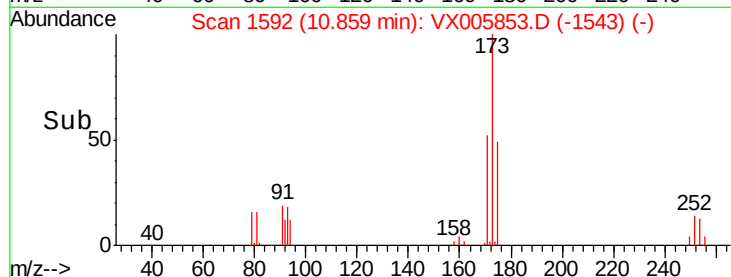
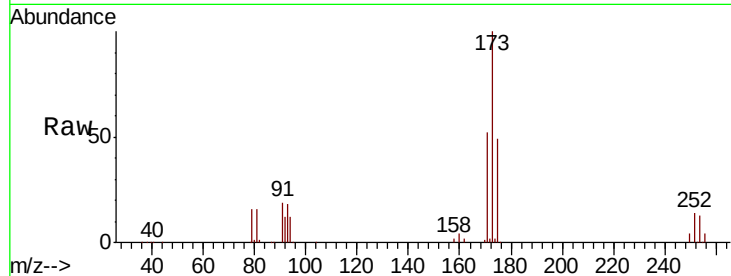
#71
Bromoform
Concen: 51.808 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VX005853.D
Acq: 09 Nov 2018 10:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.8	74.3
254	0.1	0.2	0.2

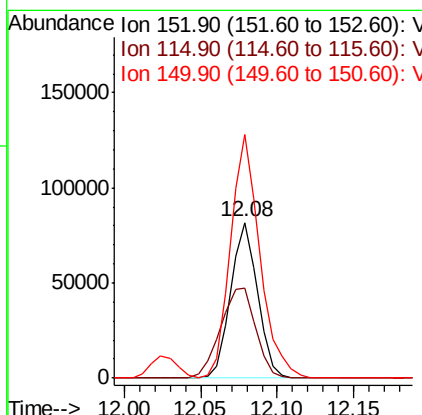
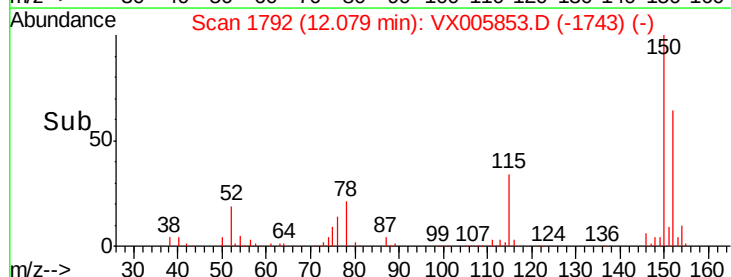
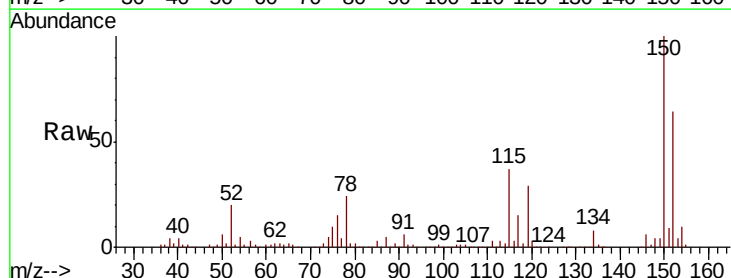
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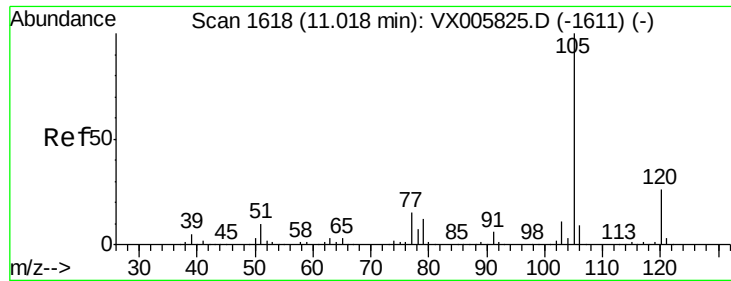
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005853.D
Acq: 09 Nov 2018 10:09

Tgt Ion	Ratio	Lower	Upper
152	100		
115	75.8	39.4	118.1
150	170.2	0.0	346.4





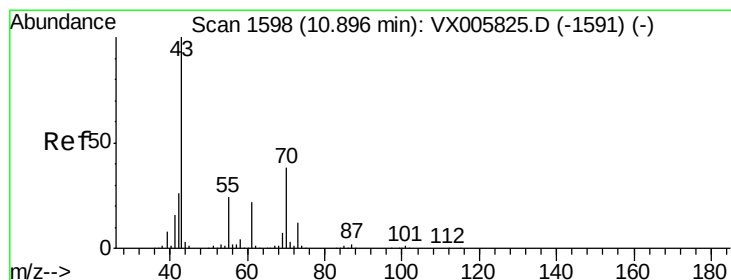
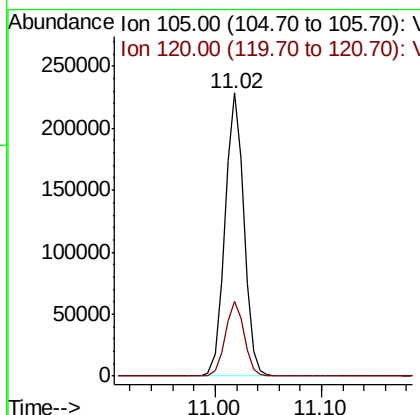
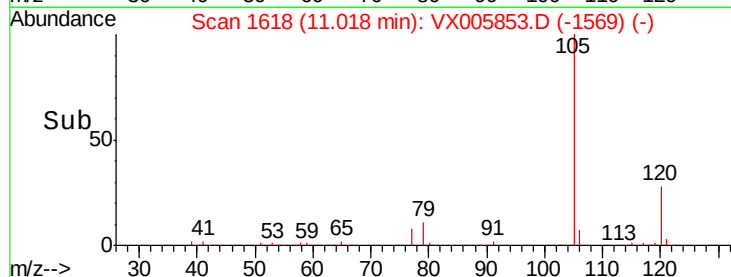
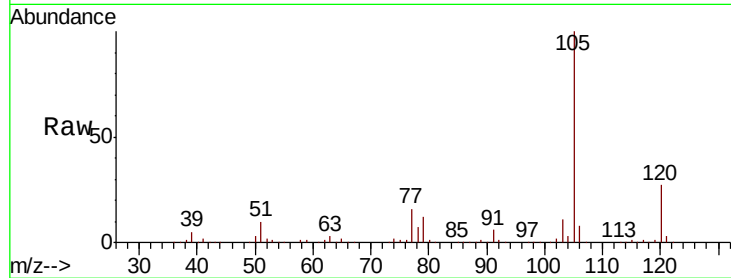
#73
Isopropylbenzene
Concen: 49.431 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX005853.D
Acq: 09 Nov 2018 10:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 105 Resp: 284672
Ion Ratio Lower Upper
105 100
120 26.5 13.1 39.3

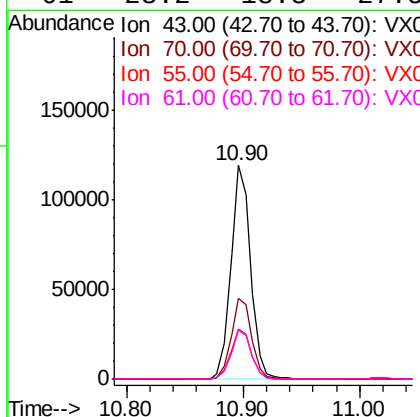
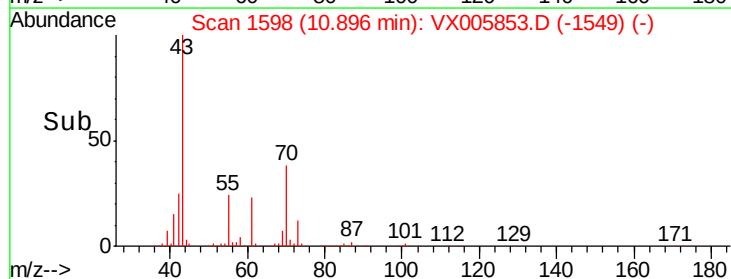
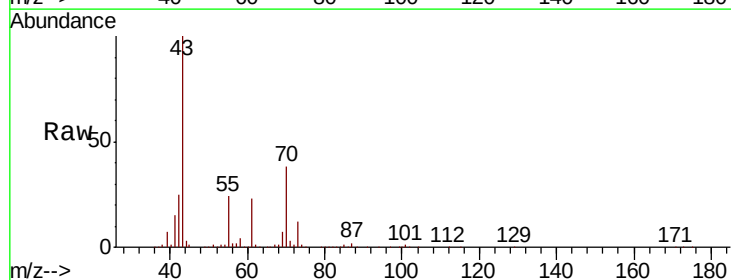
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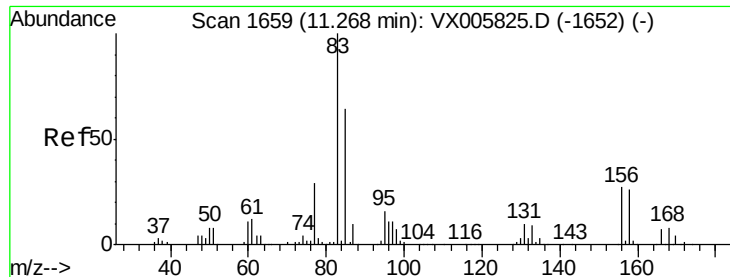
MMDadoda
11/12/2018 9:11:36 AM



#74
N-ethyl acetate
Concen: 43.416 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VX005853.D
Acq: 09 Nov 2018 10:09

Tgt Ion: 43 Resp: 139746
Ion Ratio Lower Upper
43 100
70 39.2 31.6 47.4
55 24.3 19.7 29.5
61 23.2 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 44.336 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005853.D

Acq: 09 Nov 2018 10:09

Instrument :

MSVOA_X

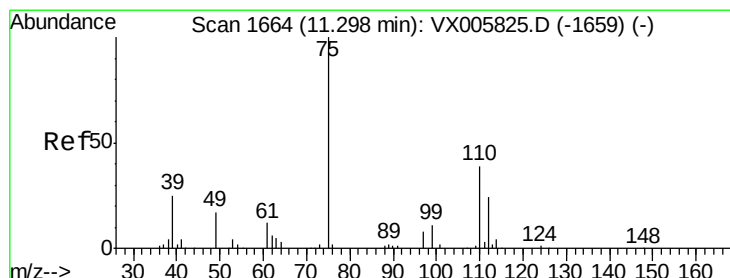
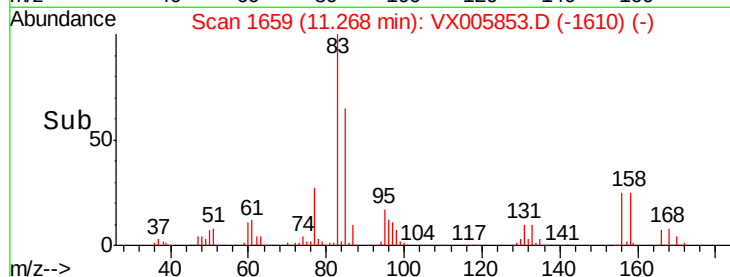
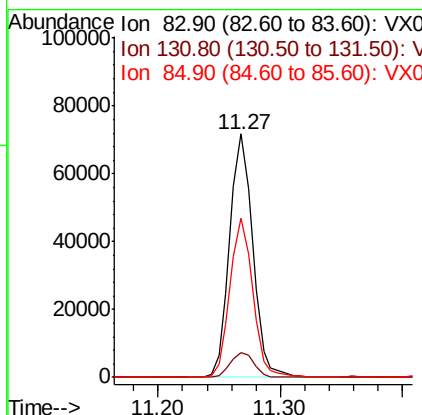
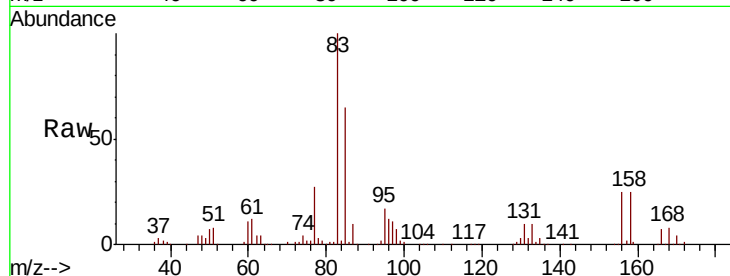
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	93718
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.3	15.9
85	64.5	32.0	96.2

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#76

1,2,3-Trichloropropane

Concen: 46.099 ug/l m

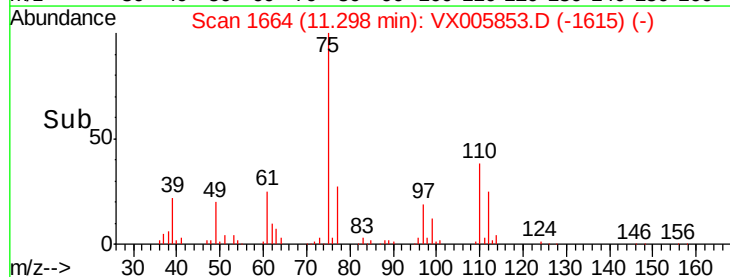
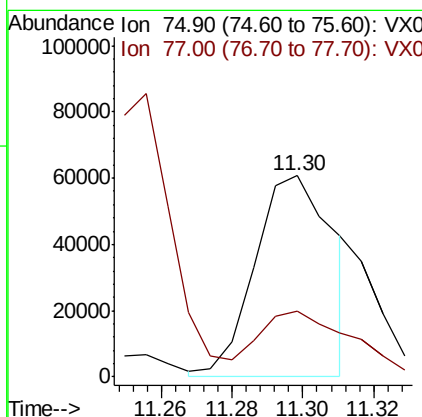
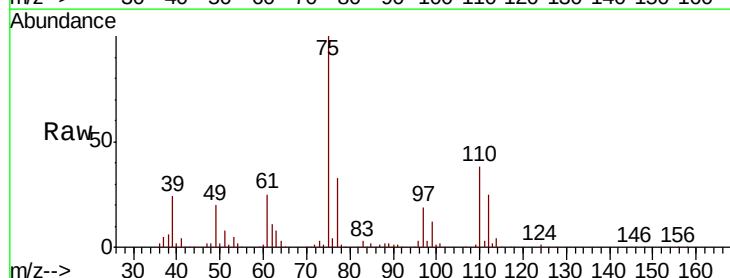
RT: 11.30 min Scan# 1664

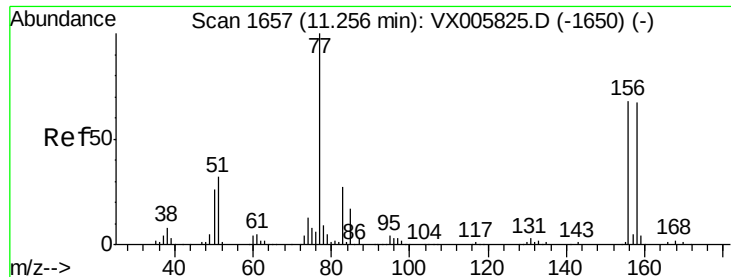
Delta R.T. -0.00 min

Lab File: VX005853.D

Acq: 09 Nov 2018 10:09

Tgt Ion:	75	Resp:	93479
Ion Ratio	Lower	Upper	
75	100		
77	38.5	20.5	61.6





#77

Bromobenzene

Concen: 46.149 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005853.D

Acq: 09 Nov 2018 10:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 74909

Ion Ratio Lower Upper

156 100

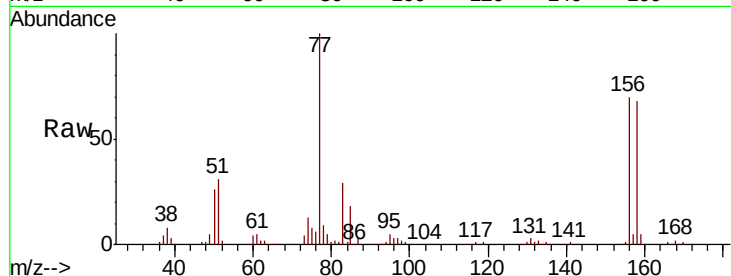
77 149.1 74.8 224.4

158 97.5 49.1 147.3

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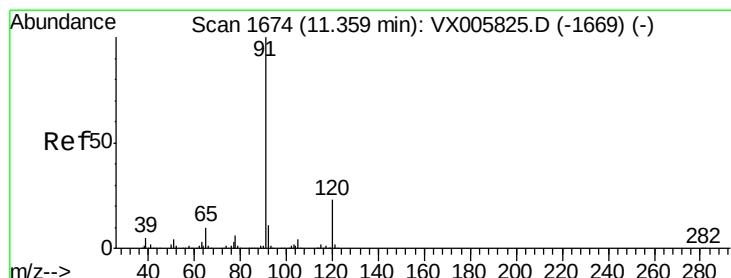
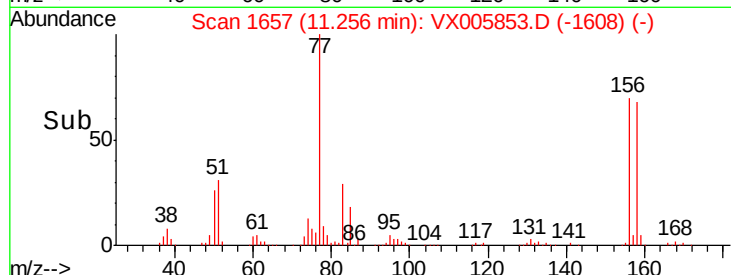
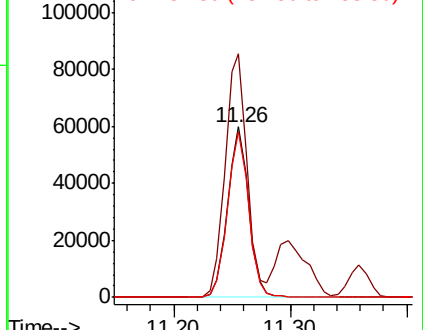
11/12/2018 9:11:36 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.683 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005853.D

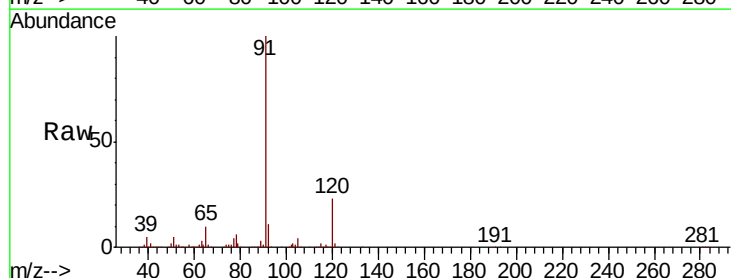
Acq: 09 Nov 2018 10:09

Tgt Ion: 91 Resp: 337206

Ion Ratio Lower Upper

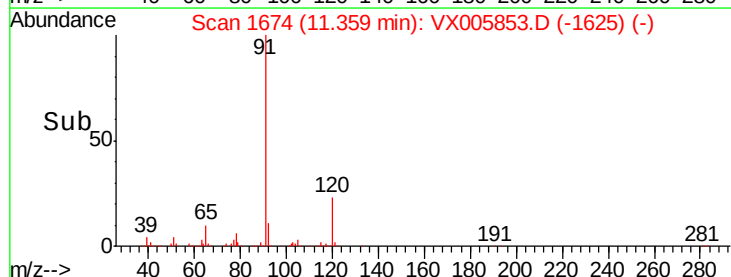
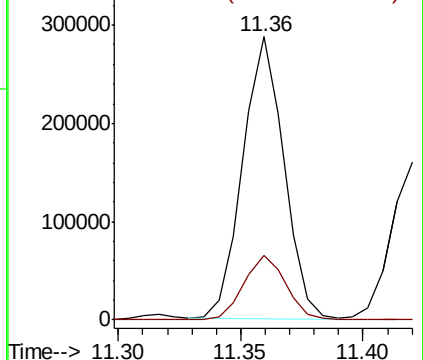
91 100

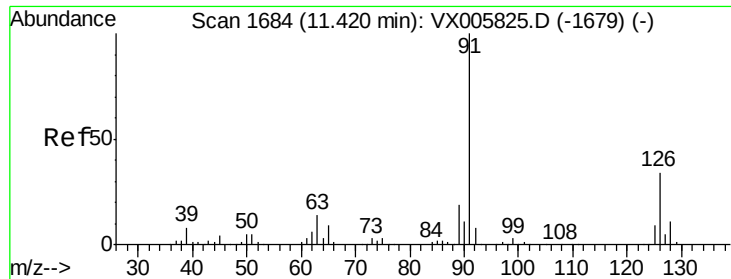
120 23.3 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.653 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX005853.D

Acq: 09 Nov 2018 10:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 195489

Ion Ratio Lower Upper

91 100

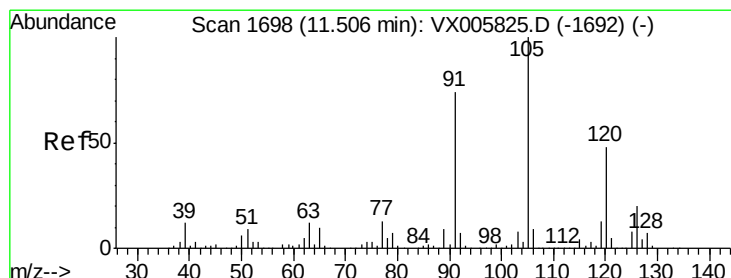
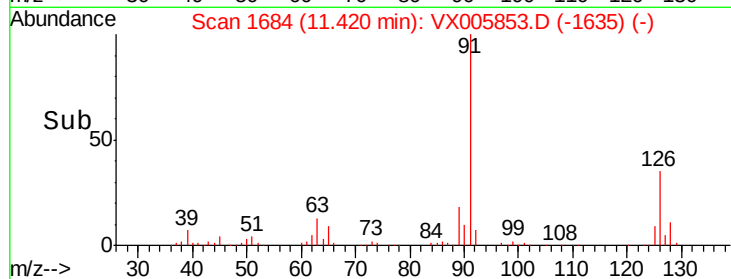
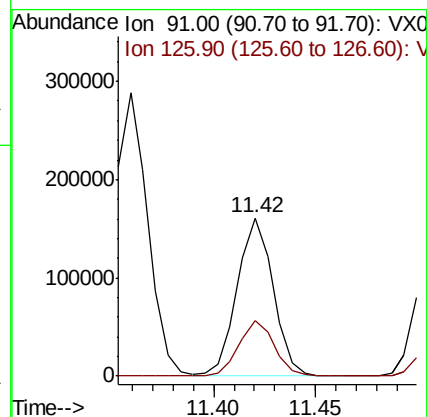
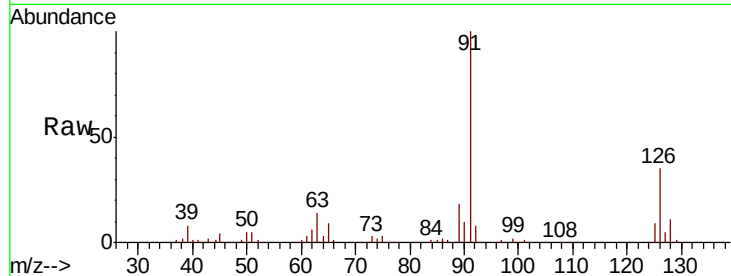
126 34.8 17.3 52.0

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#80

1,3,5-Trimethylbenzene

Concen: 50.235 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX005853.D

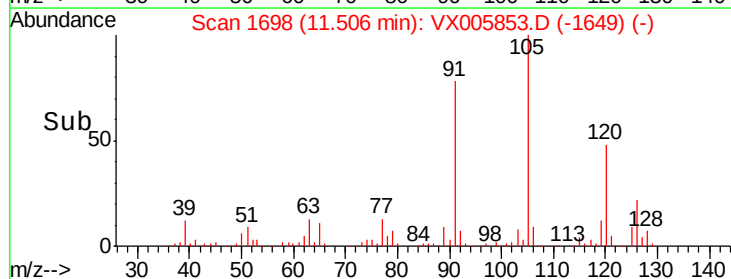
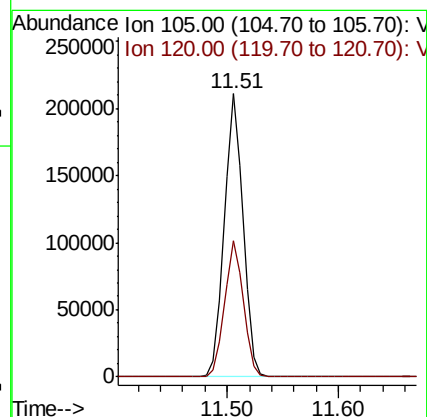
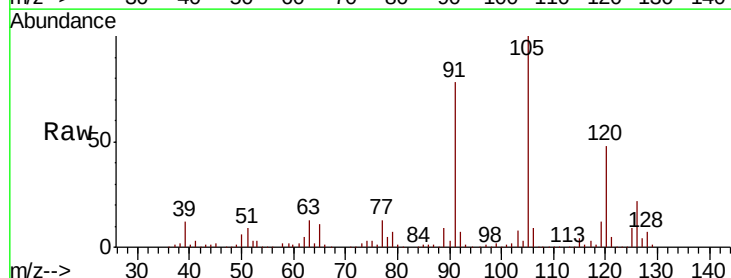
Acq: 09 Nov 2018 10:09

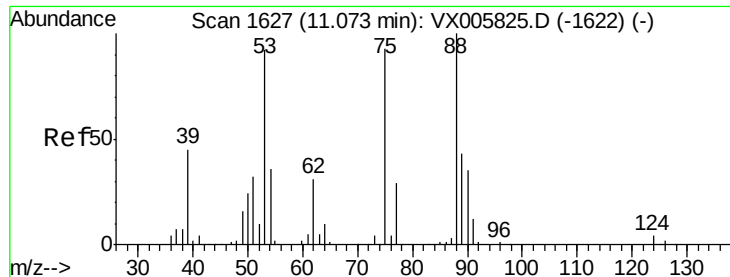
Tgt Ion: 105 Resp: 245848

Ion Ratio Lower Upper

105 100

120 48.0 24.1 72.2





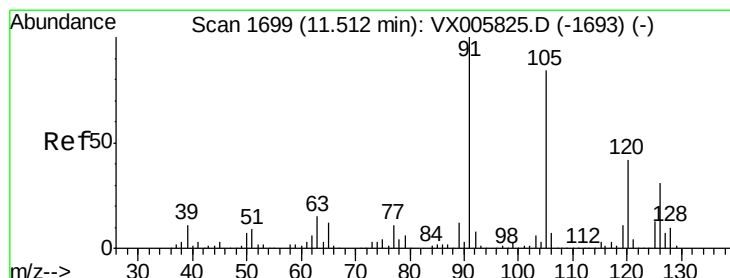
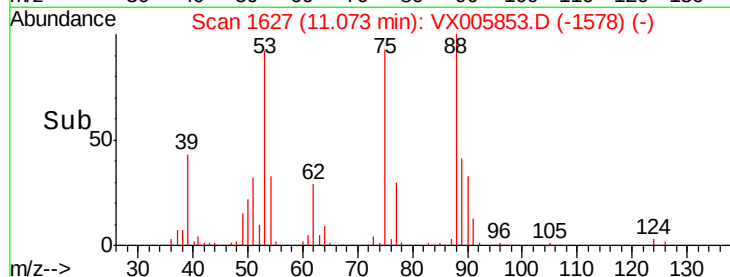
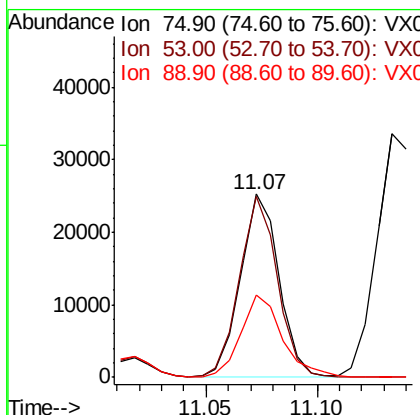
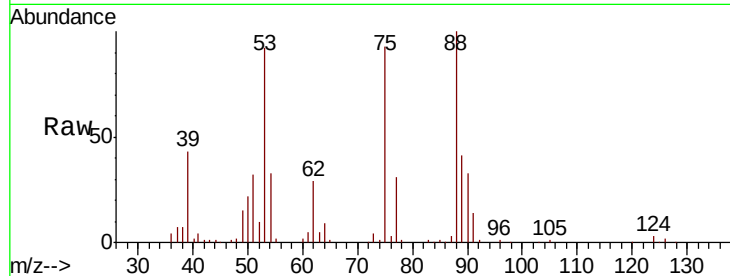
#81
trans-1,4-Dichloro-2-butene
Concen: 48.391 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX005853.D
Acq: 09 Nov 2018 10:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.4	80.2	120.2
89	48.0	39.8	59.8

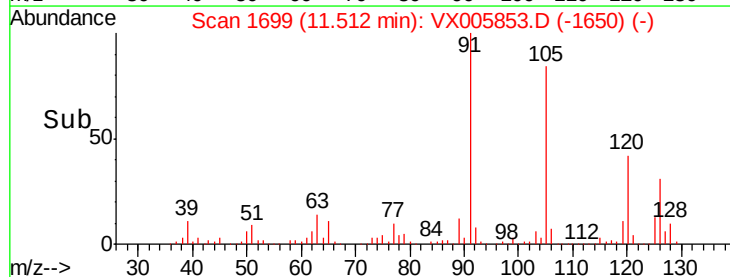
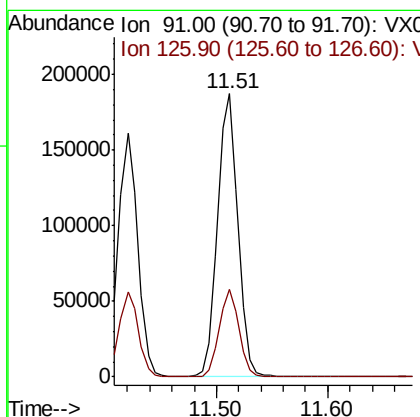
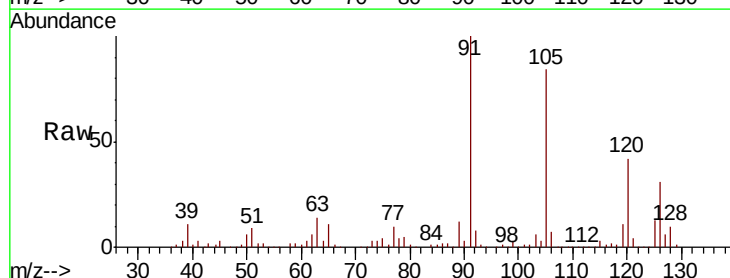
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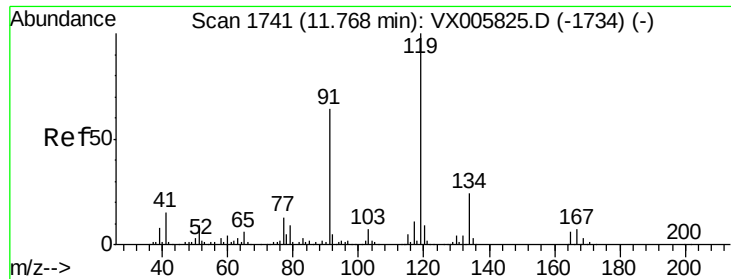
MMDadoda
11/12/2018 9:11:36 AM



#82
4-Chlorotoluene
Concen: 48.710 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX005853.D
Acq: 09 Nov 2018 10:09

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.2	15.2	45.6





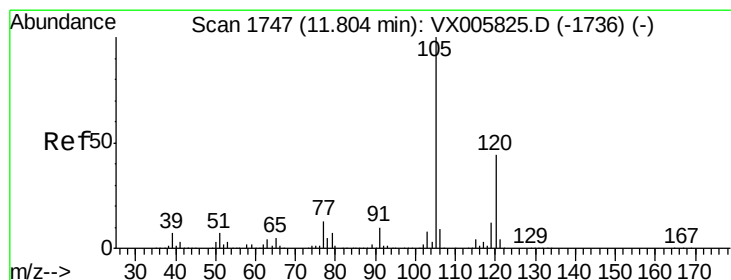
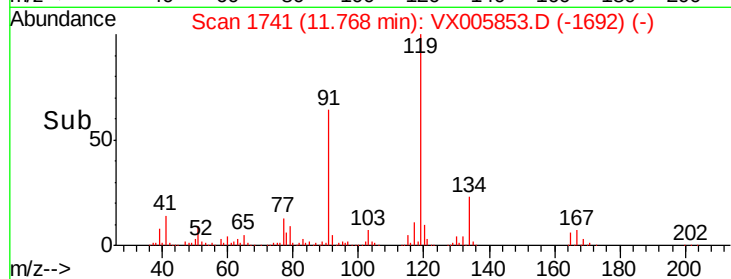
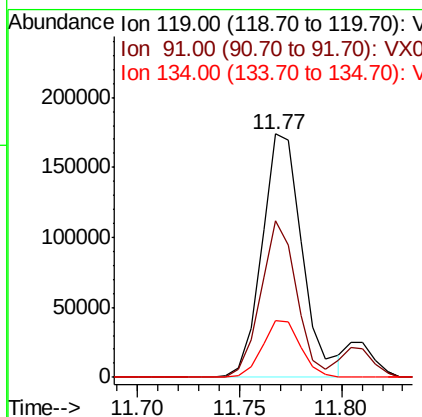
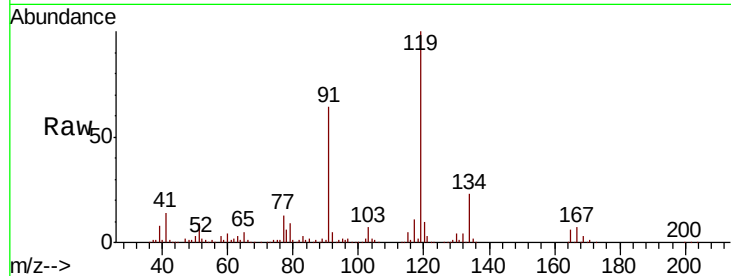
#83
 tert-Butylbenzene
 Concen: 48.262 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX005853.D
 Acq: 09 Nov 2018 10:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	238948		
91	57.2	28.5	85.5	
134	22.2	11.3	33.8	

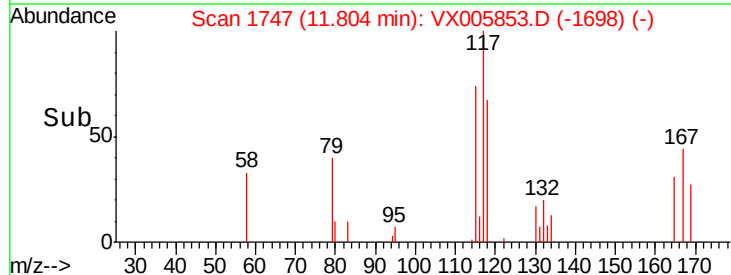
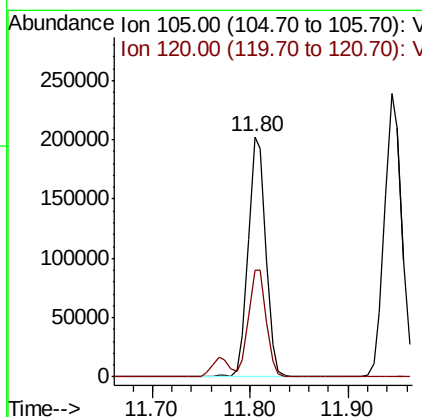
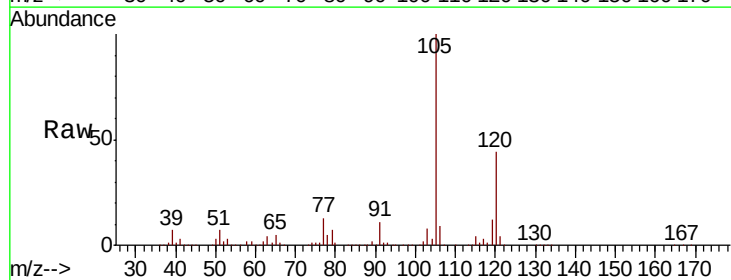
Manual Integrations
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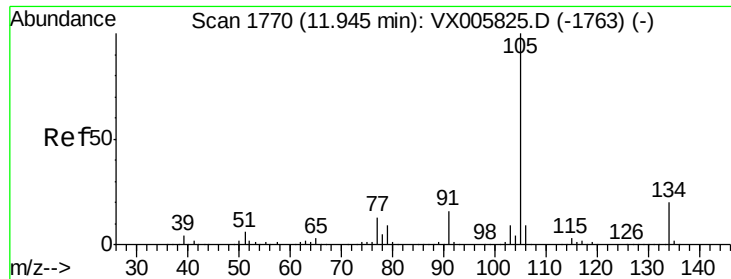
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 11/12/2018 9:11:36 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 46.608 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX005853.D
 Acq: 09 Nov 2018 10:09

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	251765		
120	44.7	22.4	67.0	





#85

sec-Butylbenzene

Concen: 48.335 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX005853.D

Acq: 09 Nov 2018 10:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 292641

Ion Ratio Lower Upper

105 100

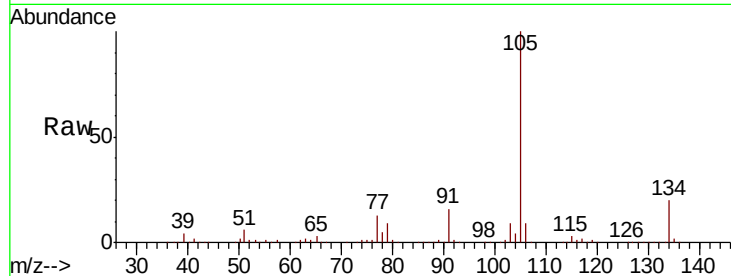
134 20.4 10.2 30.4

Manual Integrations

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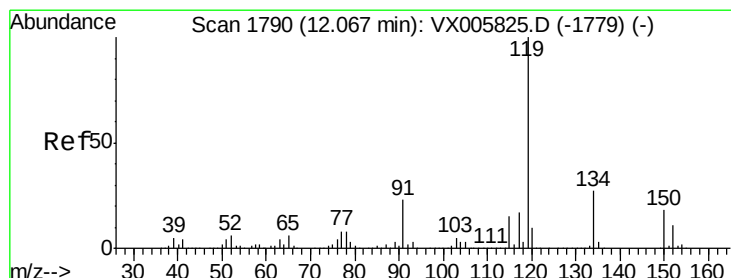
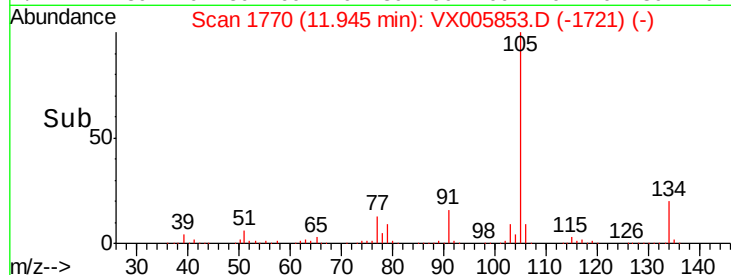
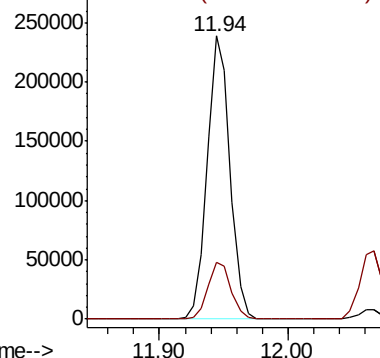
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.787 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX005853.D

Acq: 09 Nov 2018 10:09

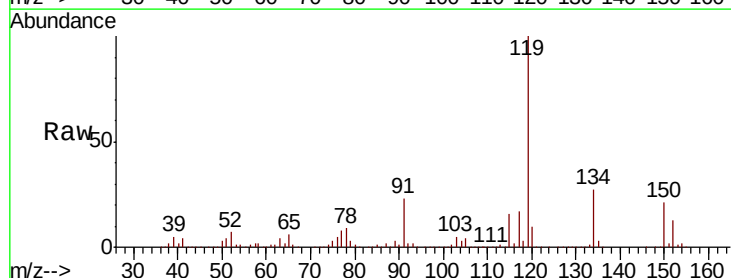
Tgt Ion:119 Resp: 266998

Ion Ratio Lower Upper

119 100

134 26.4 13.0 39.0

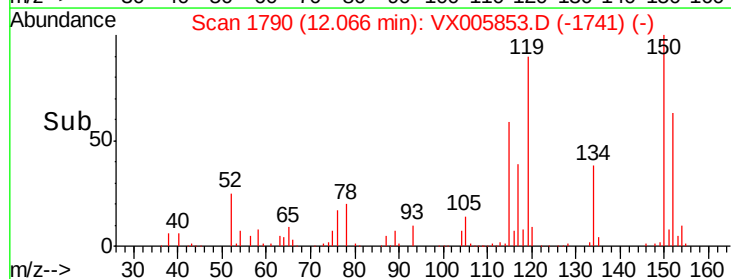
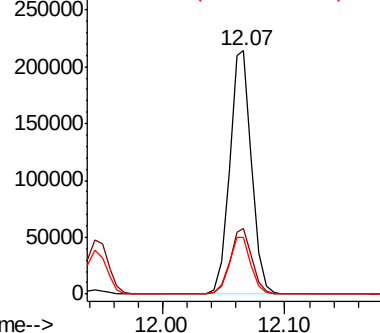
91 23.3 11.4 34.2

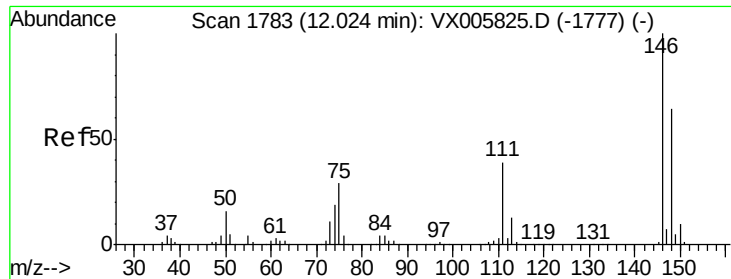


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





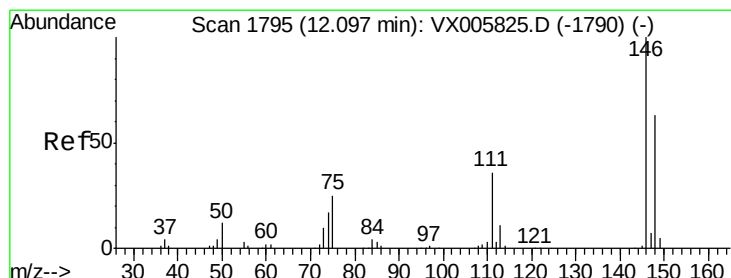
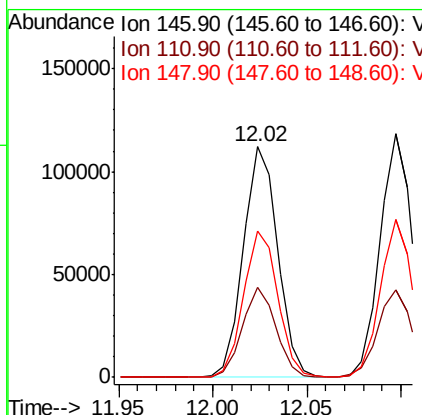
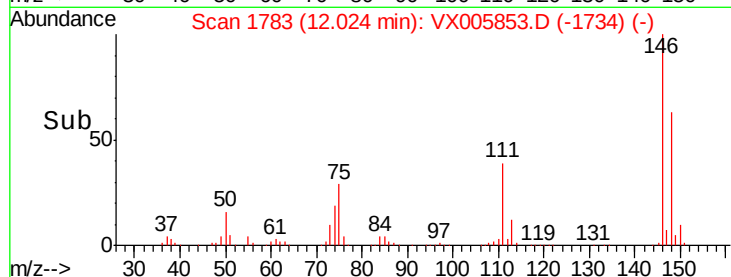
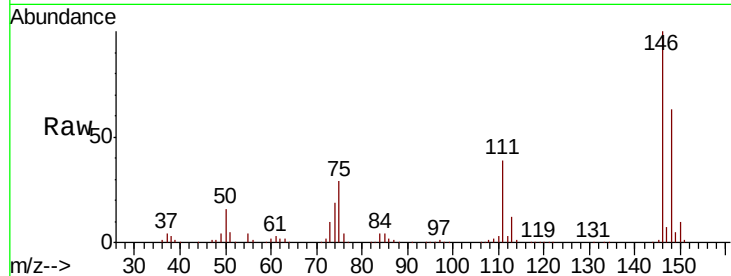
#87
 1,3-Dichlorobenzene
 Concen: 45.562 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX005853.D
 Acq: 09 Nov 2018 10:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.0	57.0
148	63.3	31.9	95.9

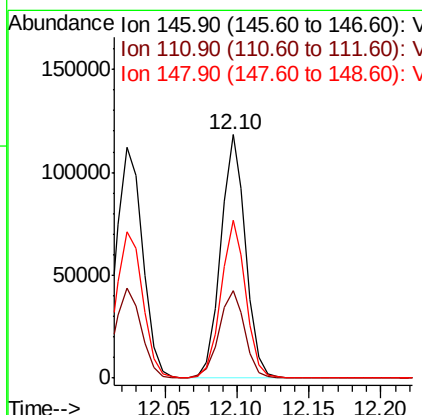
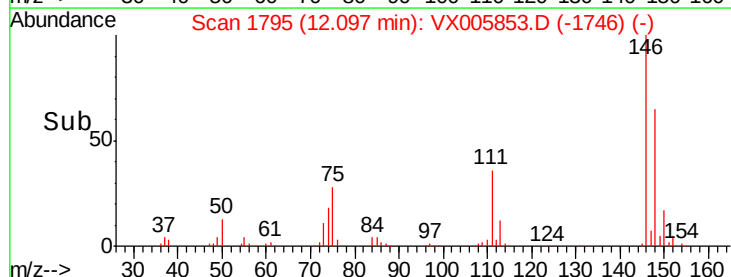
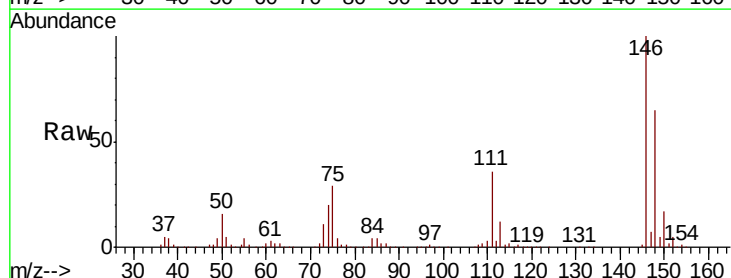
Manual Integrations
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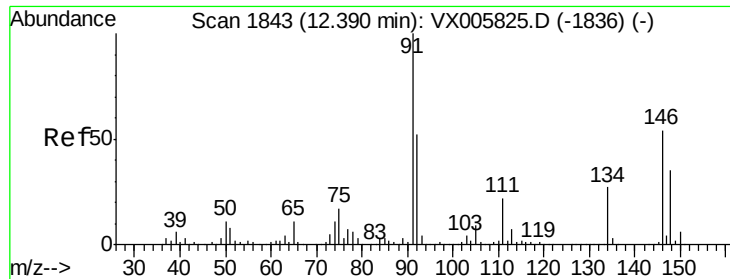
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 11/12/2018 9:11:36 AM



#88
 1,4-Dichlorobenzene
 Concen: 44.982 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX005853.D
 Acq: 09 Nov 2018 10:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.6	55.8
148	64.7	32.1	96.3





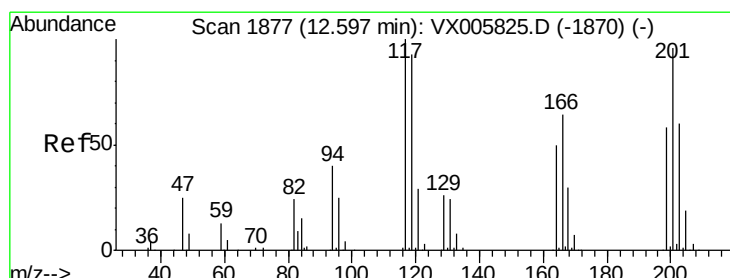
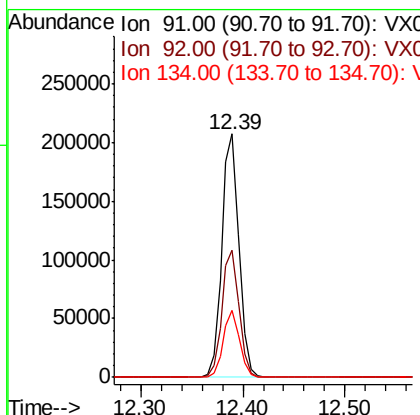
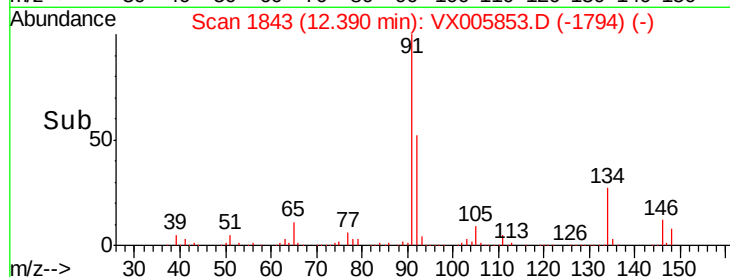
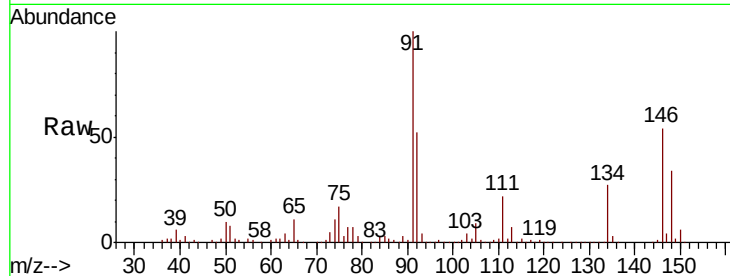
#89
n-Butylbenzene
Concen: 48.795 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005853.D
Acq: 09 Nov 2018 10:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.1	78.2
134	26.3	13.1	39.3

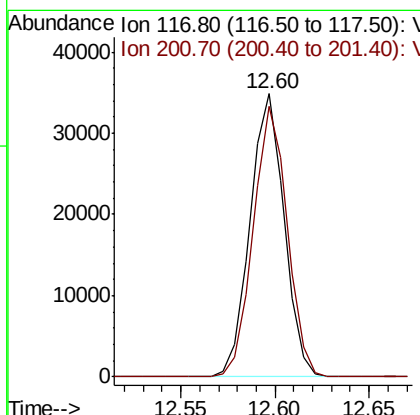
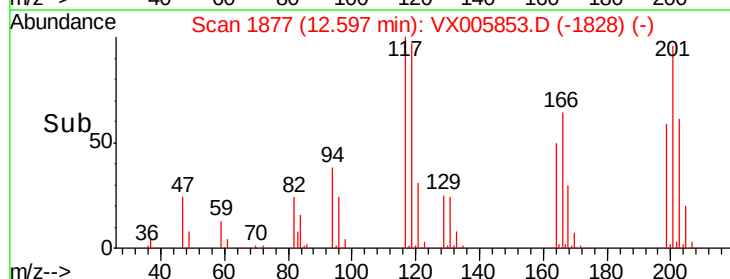
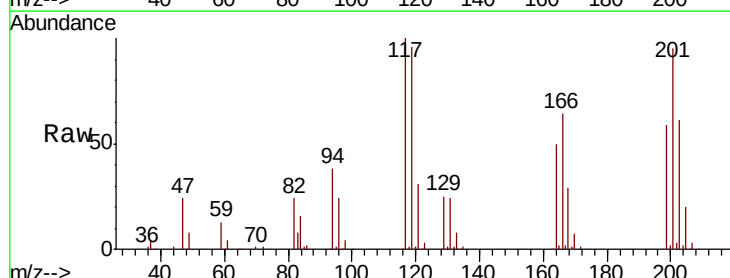
Manual Integrations
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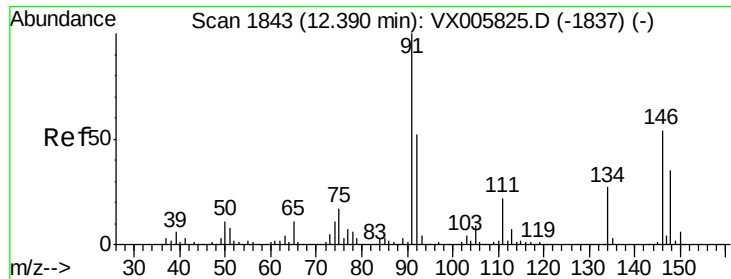
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#90
Hexachloroethane
Concen: 48.818 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX005853.D
Acq: 09 Nov 2018 10:09

Tgt Ion	Ratio	Lower	Upper
117	100		
201	95.3	47.9	143.6





#91

1,2-Dichlorobenzene

Concen: 45.046 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX005853.D

Acq: 09 Nov 2018 10:09

Instrument :

MSVOA_X

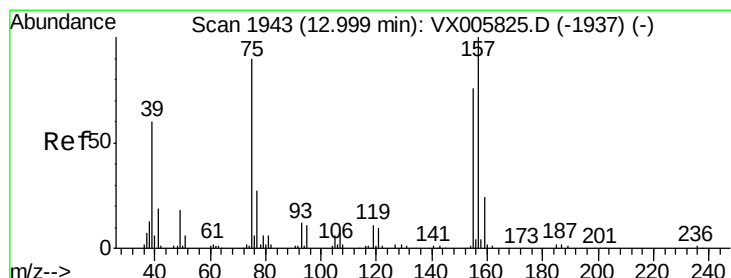
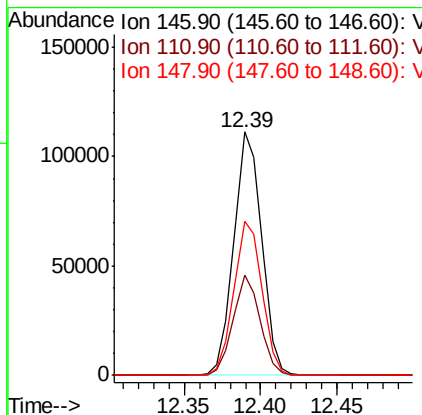
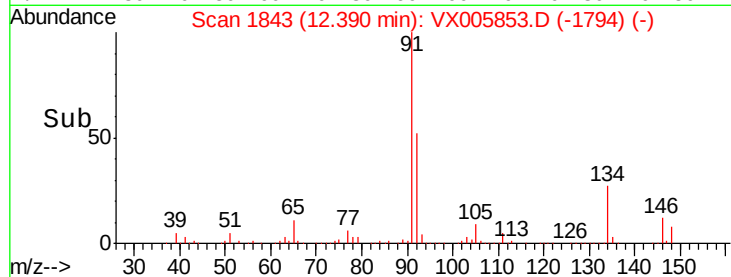
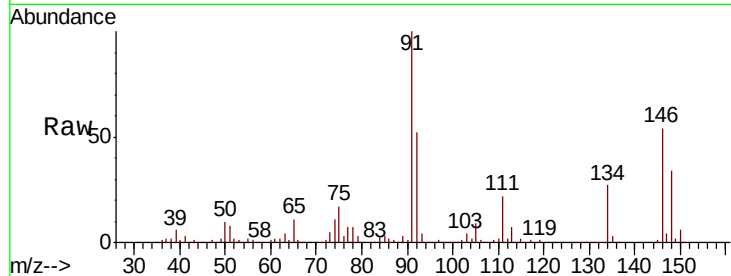
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	140575
Ion Ratio	Lower	Upper	
146	100		
111	39.9	20.0	59.9
148	63.7	32.2	96.6

Manual Integrations
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11/12/2018 9:11:36 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 46.049 ug/l

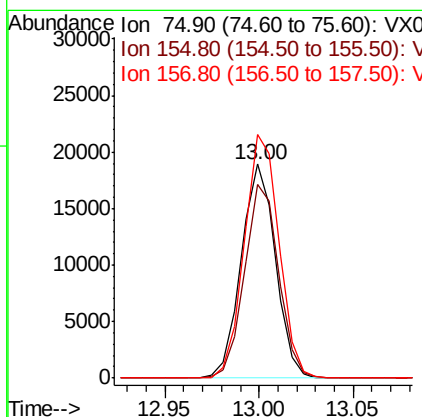
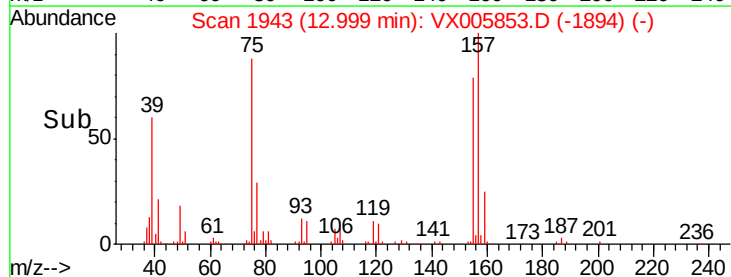
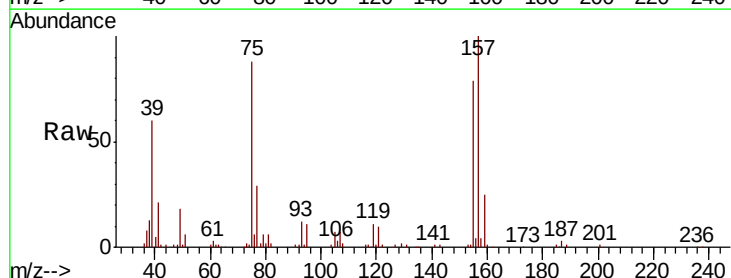
RT: 13.00 min Scan# 1943

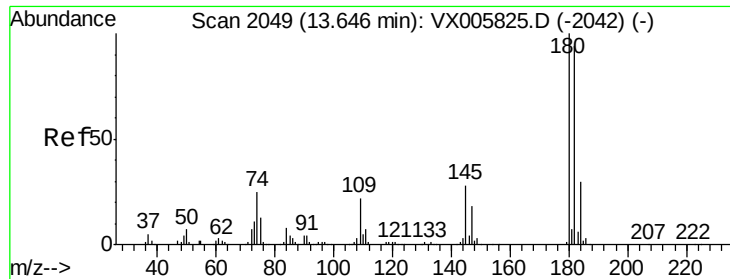
Delta R.T. -0.00 min

Lab File: VX005853.D

Acq: 09 Nov 2018 10:09

Tgt Ion:	75	Resp:	23753
Ion Ratio	Lower	Upper	
75	100		
155	90.4	45.4	136.1
157	115.7	57.4	172.0





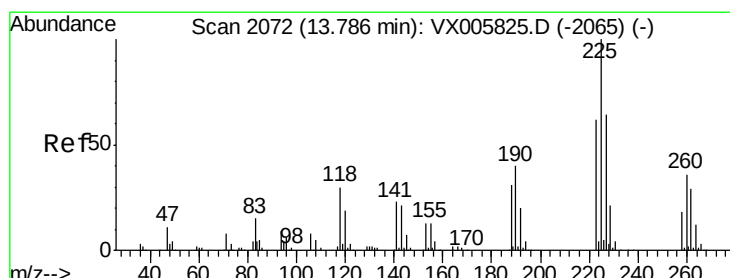
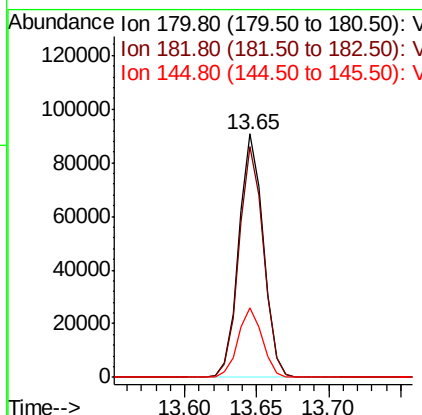
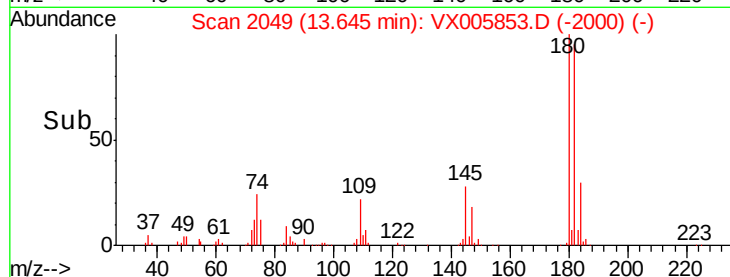
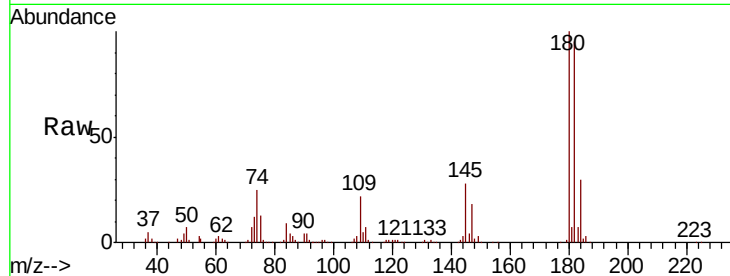
#93
 1,2,4-Trichlorobenzene
 Concen: 48.762 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX005853.D
 Acq: 09 Nov 2018 10:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	107125		
182	95.2	47.6	142.8	
145	28.0	14.1	42.2	

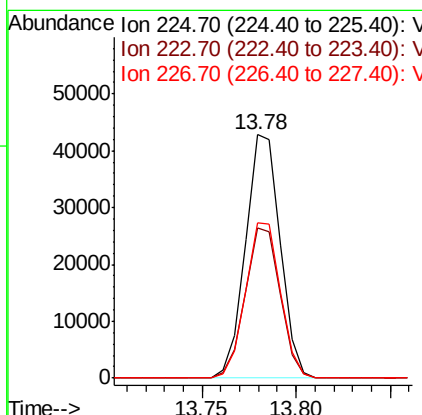
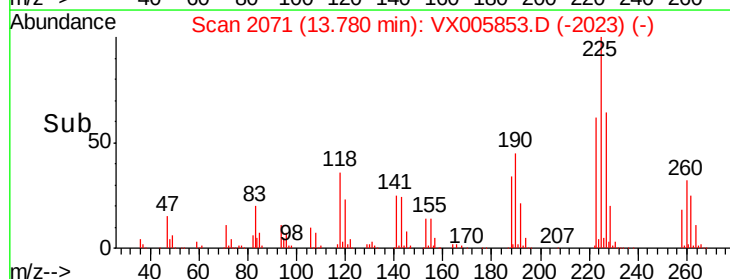
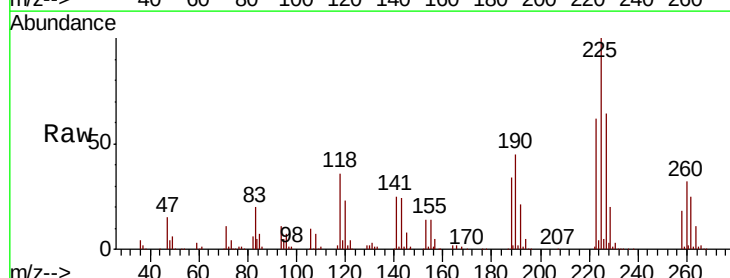
Manual Integrations
 APPROVED

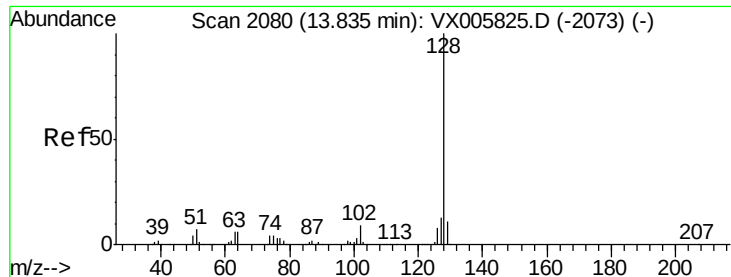
MMDadoda
 11/12/2018 9:11:36 AM



#94
 Hexachlorobutadiene
 Concen: 47.363 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VX005853.D
 Acq: 09 Nov 2018 10:09

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	54658		
223	62.4	31.7	95.1	
227	64.3	32.3	96.9	





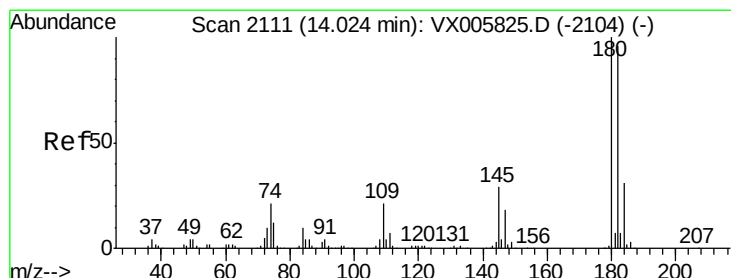
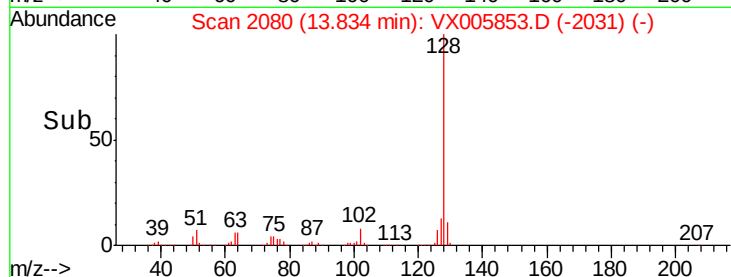
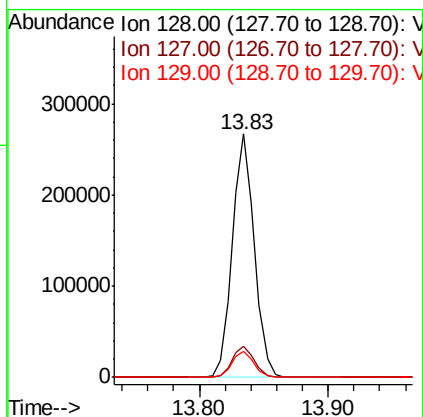
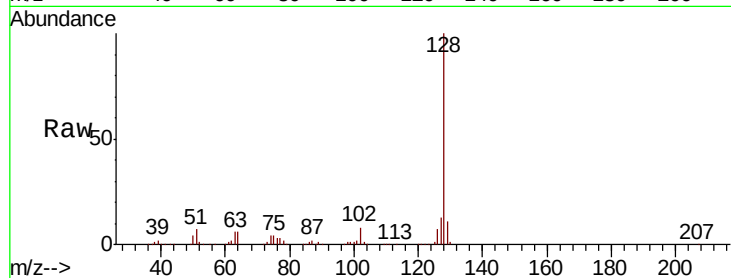
#95
Naphthalene
Concen: 44.633 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX005853.D
Acq: 09 Nov 2018 10:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
11/12/2018 9:11:36 AM



#96
1,2,3-Trichlorobenzene
Concen: 47.875 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.01 min
Lab File: VX005853.D
Acq: 09 Nov 2018 10:09

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	48.0	144.2
145	29.7	15.1	45.3

