

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121218\
 Data File : VX006461.D
 Acq On : 12 Dec 2018 22:52
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 12/13/2018 11:05:32 AM

Quant Time: Dec 13 07:15:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	557987	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	865859	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	798244	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	408428	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	288510	50.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.30%	
35) Dibromofluoromethane	5.50	113	273400	48.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.54%	
50) Toluene-d8	8.71	98	989659	48.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.06%	
62) 4-Bromofluorobenzene	11.13	95	376152	48.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	284041	51.989	ug/l	99
3) Chloromethane	1.33	50	292659	52.126	ug/l	95
4) Vinyl Chloride	1.41	62	323676	53.566	ug/l	98
5) Bromomethane	1.64	94	299190	71.445	ug/l	99
6) Chloroethane	1.71	64	203023	54.798	ug/l	100
7) Trichlorofluoromethane	1.92	101	502345	54.158	ug/l	100
8) Diethyl Ether	2.19	74	193549	55.135	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.39	101	289889	54.963	ug/l	99
10) Methyl Iodide	2.51	142	472356	59.427	ug/l	98
11) Tert butyl alcohol	3.08	59	386468	248.091	ug/l	99
12) 1,1-Dichloroethene	2.37	96	278571	55.173	ug/l	93
13) Acrolein	2.30	56	194312	228.221	ug/l	98
14) Allyl chloride	2.73	41	478281	47.954	ug/l	98
15) Acrylonitrile	3.15	53	857821	263.889	ug/l	99
16) Acetone	2.45	43	697656	260.985	ug/l	96
17) Carbon Disulfide	2.57	76	760830	48.902	ug/l	99
18) Methyl Acetate	2.78	43	466378	52.170	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	976401	54.209	ug/l	98
20) Methylene Chloride	2.85	84	313008	55.018	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	299611	55.684	ug/l	92
22) Diisopropyl ether	3.87	45	862370	55.356	ug/l	99
23) Vinyl Acetate	3.82	43	3573044	268.907	ug/l	100
24) 1,1-Dichloroethane	3.70	63	495466	55.643	ug/l	99
25) 2-Butanone	4.70	43	1034746	271.286	ug/l	99
26) 2,2-Dichloropropane	4.58	77	367153	44.678	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	339819	56.620	ug/l	97
28) Bromochloromethane	5.02	49	199999	51.422	ug/l	98
29) Tetrahydrofuran	5.15	42	714227	269.430	ug/l	98
30) Chloroform	5.21	83	534692	57.141	ug/l	95
31) Cyclohexane	5.57	56	445640	54.155	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	479755	53.885	ug/l	100
36) 1,1-Dichloropropene	5.80	75	392983	53.897	ug/l	100
37) Ethyl Acetate	4.85	43	412063	50.464	ug/l	99
38) Carbon Tetrachloride	5.79	117	427763	49.869	ug/l	99

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Quant Time: Dec 13 07:15:37 2018
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	502950	53.140	ug/l	98
40) Benzene	6.14	78	1207546	55.295	ug/l	100
41) Methacrylonitrile	5.06	41	223697	49.787	ug/l	97
42) 1,2-Dichloroethane	6.20	62	400866	56.086	ug/l	100
43) Isopropyl Acetate	6.46	43	669315	49.163	ug/l	99
44) Trichloroethene	7.21	130	357146	53.984	ug/l	97
45) 1,2-Dichloropropane	7.52	63	295892	53.311	ug/l	100
46) Dibromomethane	7.66	93	218125	54.415	ug/l	96
47) Bromodichloromethane	7.90	83	393660	50.712	ug/l	100
48) Methyl methacrylate	7.77	41	338860	51.163	ug/l	97
49) 1,4-Dioxane	7.76	88	168824	1034.229	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	2032904	256.505	ug/l	98
52) Toluene	8.79	92	806099	56.106	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	431435	47.523	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	472680	50.142	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	328665	56.308	ug/l	98
56) Ethyl methacrylate	9.18	69	490766	53.783	ug/l	97
57) 1,3-Dichloropropane	9.37	76	516183	55.926	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	1109011	239.504	ug/l	99
59) 2-Hexanone	9.49	43	1533983	253.341	ug/l	99
60) Dibromochloromethane	9.59	129	357122	49.618	ug/l	100
61) 1,2-Dibromoethane	9.67	107	364044	55.779	ug/l	98
64) Tetrachloroethene	9.34	164	327900	54.545	ug/l	99
65) Chlorobenzene	10.14	112	932602	55.037	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	339518	51.569	ug/l	99
67) Ethyl Benzene	10.25	91	1536419	54.516	ug/l	100
68) m/p-Xylenes	10.36	106	1231989	109.130	ug/l	99
69) o-Xylene	10.70	106	600558	53.856	ug/l	99
70) Styrene	10.71	104	976250	54.130	ug/l	99
71) Bromoform	10.86	173	268769	43.246	ug/l #	100
73) Isopropylbenzene	11.02	105	1587889	56.297	ug/l	100
74) N-amyl acetate	10.90	43	594667	48.960	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	480751	53.277	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	441366m	55.987	ug/l	
77) Bromobenzene	11.26	156	431452	55.120	ug/l	99
78) n-propylbenzene	11.36	91	1751967	55.878	ug/l	99
79) 2-Chlorotoluene	11.42	91	1036158	55.603	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	1313246	55.959	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	140770	41.905	ug/l	89
82) 4-Chlorotoluene	11.51	91	1188400	54.850	ug/l	100
83) tert-Butylbenzene	11.77	119	1366305	54.567	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	1349554	55.692	ug/l	100
85) sec-Butylbenzene	11.94	105	1599662	56.157	ug/l	100
86) p-Isopropyltoluene	12.07	119	1427648	55.658	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	763682	54.831	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	759893	53.754	ug/l	100
89) n-Butylbenzene	12.39	91	1192462	54.485	ug/l	100
90) Hexachloroethane	12.60	117	243080	46.497	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	752959	54.471	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	105182	45.472	ug/l	99

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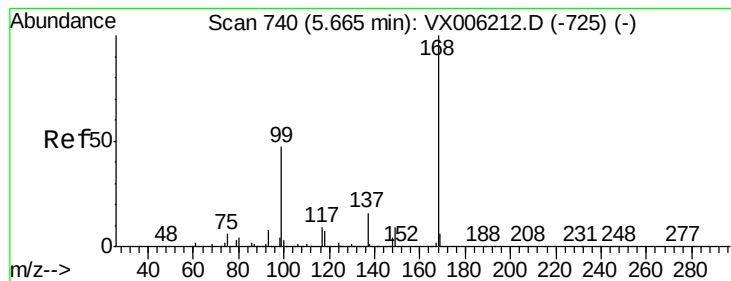
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Fri Nov 30 03:55:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	531001	52.654	ug/l	99
94) Hexachlorobutadiene	13.78	225	235766	52.864	ug/l	99
95) Naphthalene	13.83	128	1707819	54.441	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	537064	53.767	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX006461.D

Acq: 12 Dec 2018 22:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 557987

Ion Ratio Lower Upper

168 100

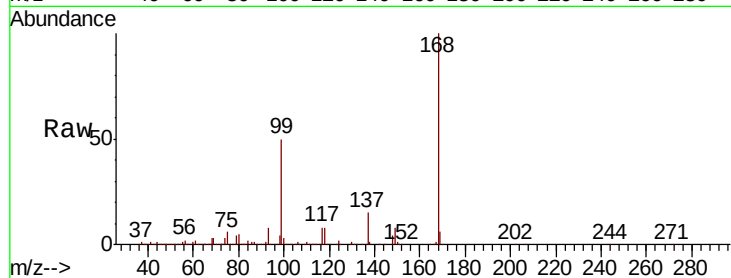
99 49.9 37.8 56.8

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

200000

150000

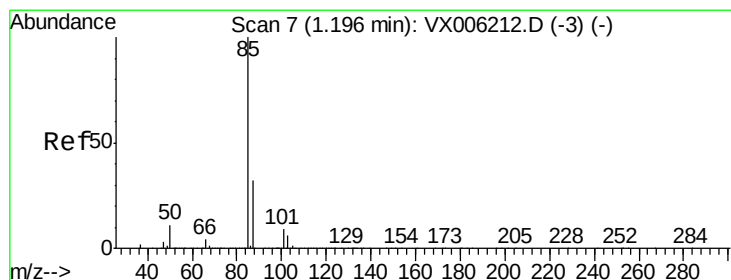
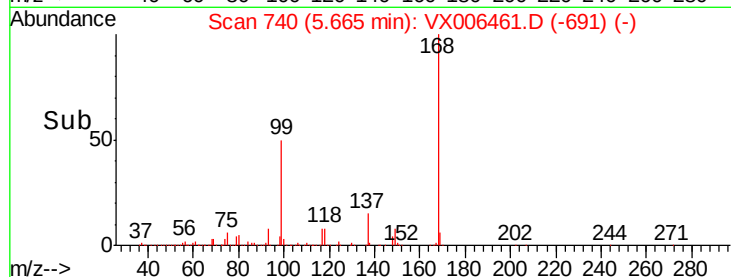
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50000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 51.989 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX006461.D

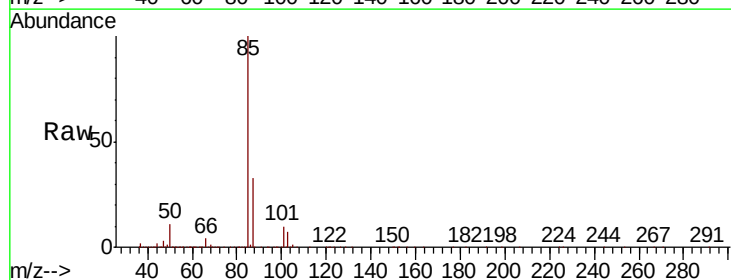
Acq: 12 Dec 2018 22:52

Tgt Ion: 85 Resp: 284041

Ion Ratio Lower Upper

85 100

87 32.9 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

300000

250000

200000

150000

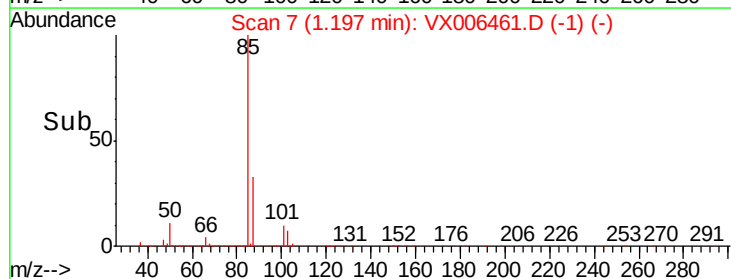
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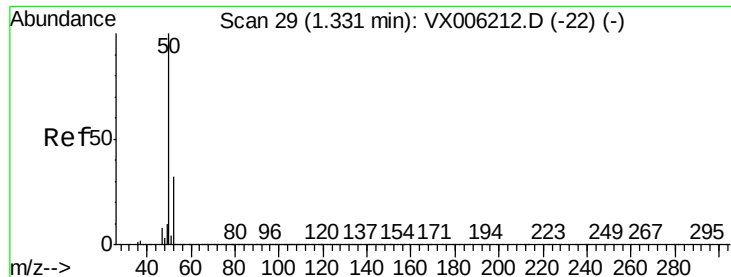
50000

0

1.15 1.20 1.25 1.30 1.35

Time-->





#3

Chloromethane

Concen: 52.126 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX006461.D

Acq: 12 Dec 2018 22:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 292659

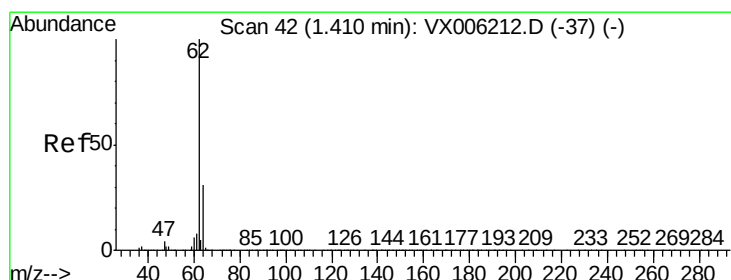
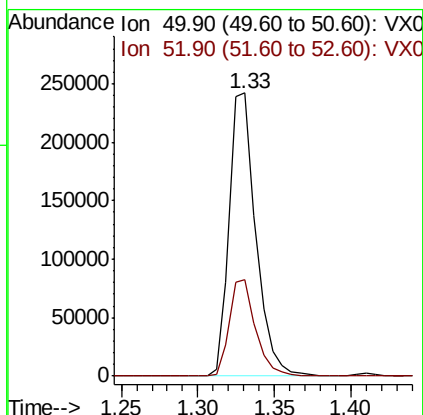
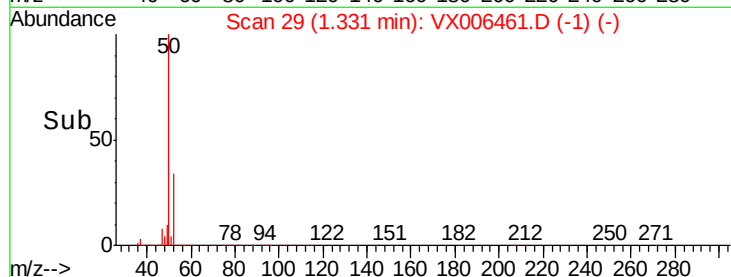
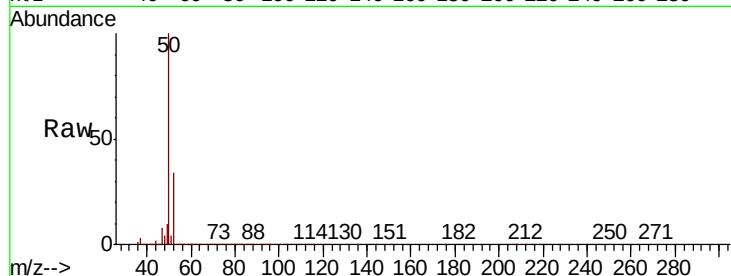
Ion Ratio Lower Upper

50 100

52 34.1 25.2 37.8

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#4

Vinyl Chloride

Concen: 53.566 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX006461.D

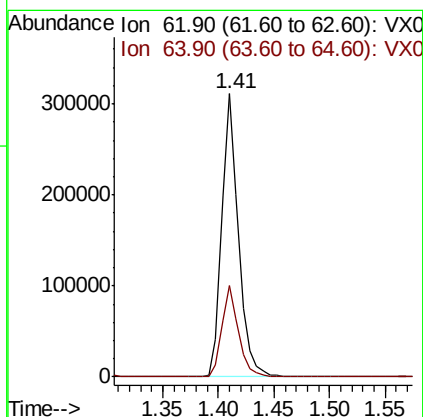
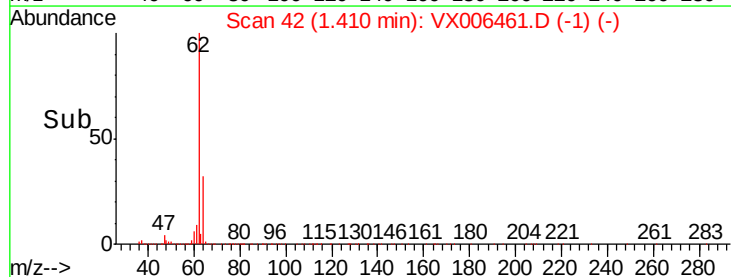
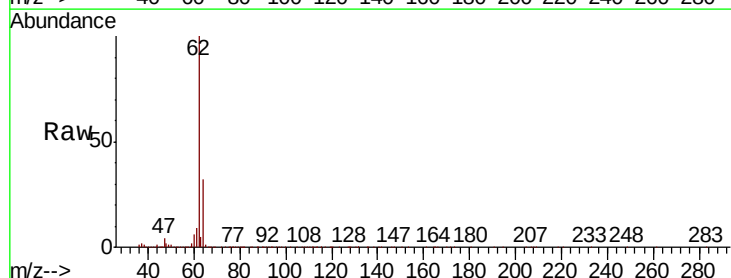
Acq: 12 Dec 2018 22:52

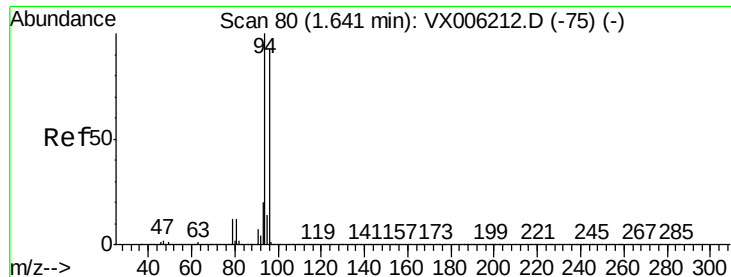
Tgt Ion: 62 Resp: 323676

Ion Ratio Lower Upper

62 100

64 32.1 24.9 37.3





#5

Bromomethane

Concen: 71.445 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX006461.D

Acq: 12 Dec 2018 22:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 299190

Ion Ratio Lower Upper

94 100

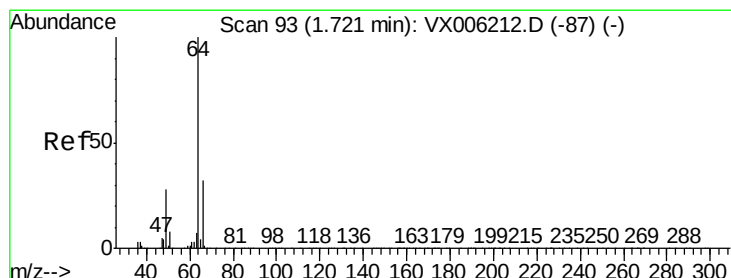
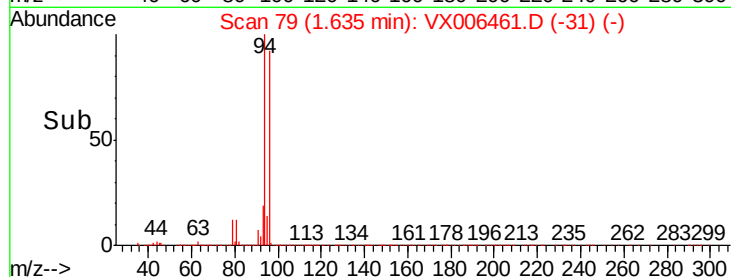
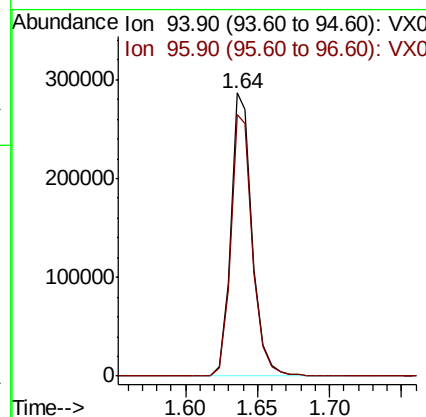
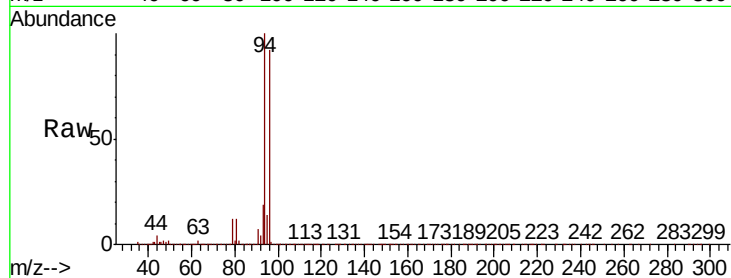
96 92.4 74.5 111.7

Manual Integrations

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#6

Chloroethane

Concen: 54.798 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX006461.D

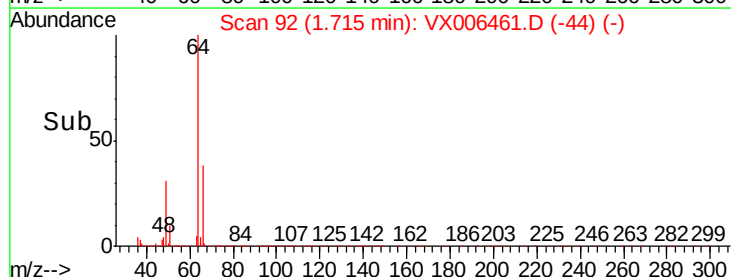
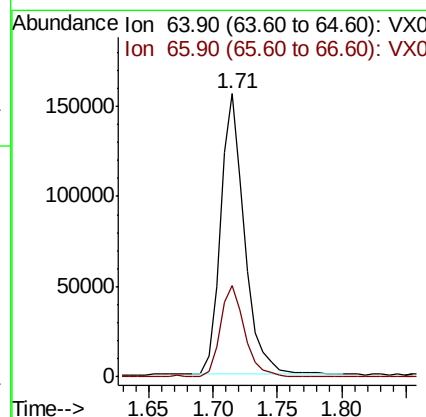
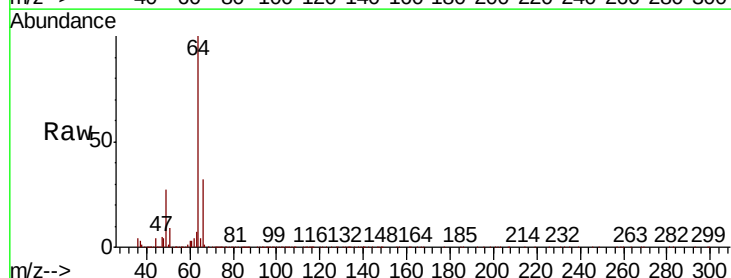
Acq: 12 Dec 2018 22:52

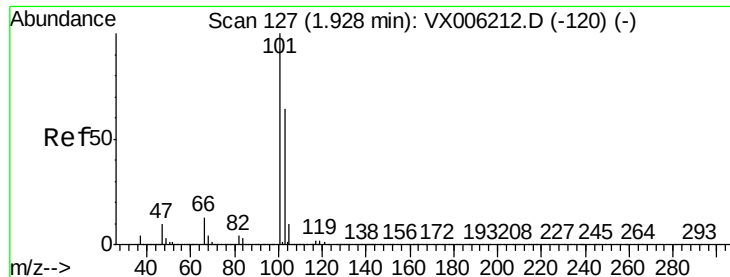
Tgt Ion: 64 Resp: 203023

Ion Ratio Lower Upper

64 100

66 32.5 25.9 38.9





#7

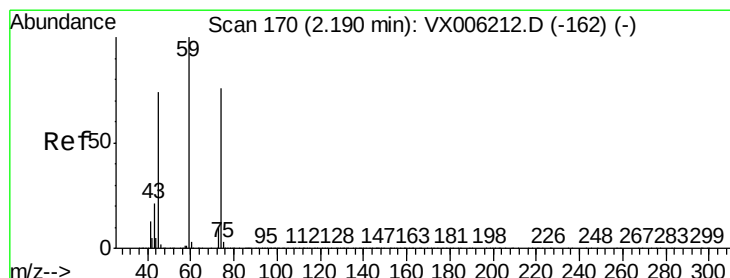
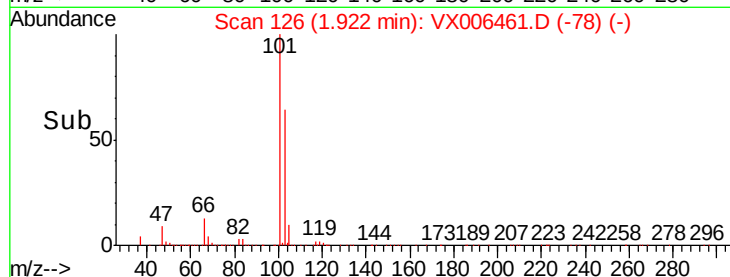
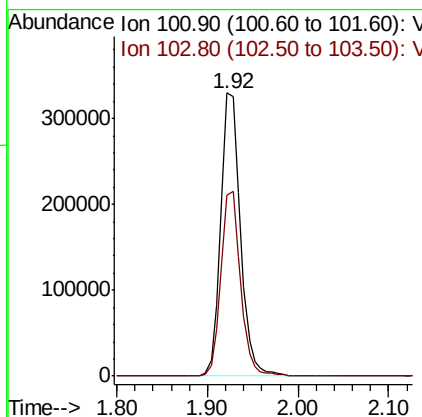
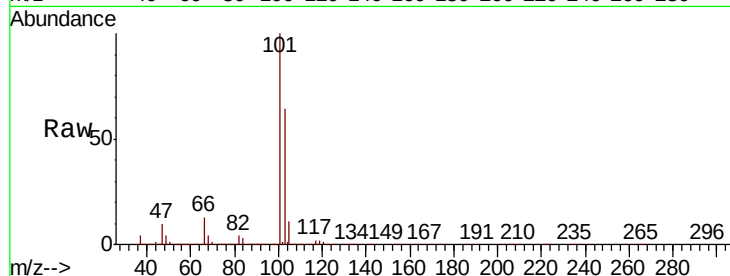
Trichlorofluoromethane
Concen: 54.158 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.01 min
Lab File: VX006461.D
Acq: 12 Dec 2018 22:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	51.0	76.4

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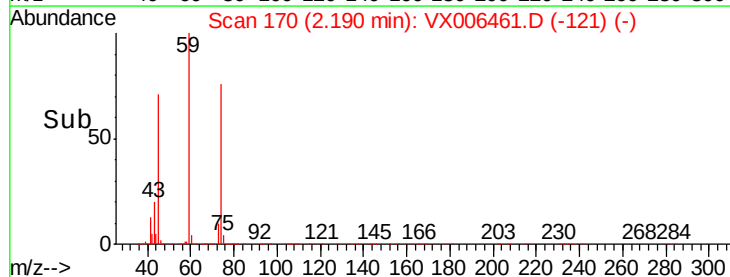
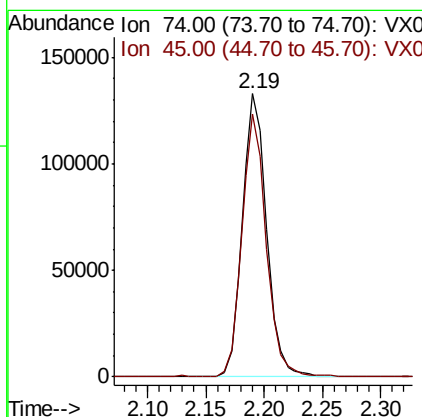
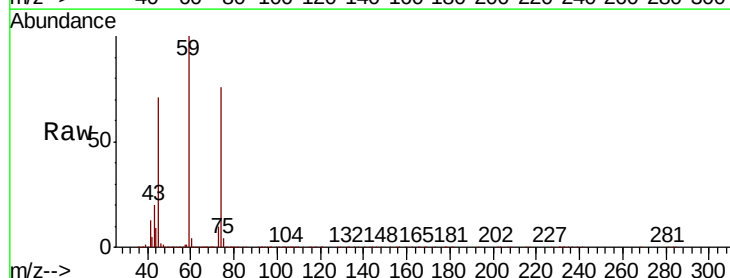
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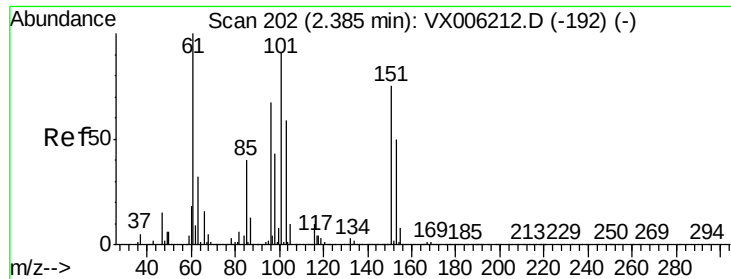


#8

Diethyl Ether
Concen: 55.135 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX006461.D
Acq: 12 Dec 2018 22:52

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.7	49.5	148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.963 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX006461.D

Acq: 12 Dec 2018 22:52

Instrument :

MSVOA_X

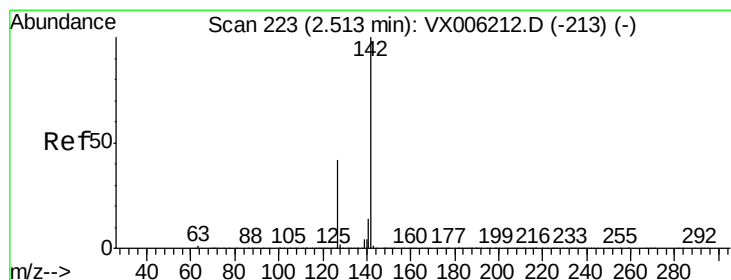
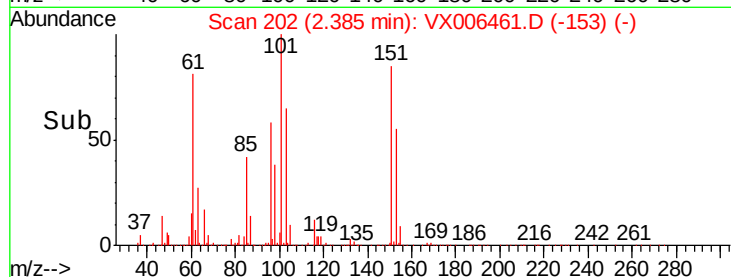
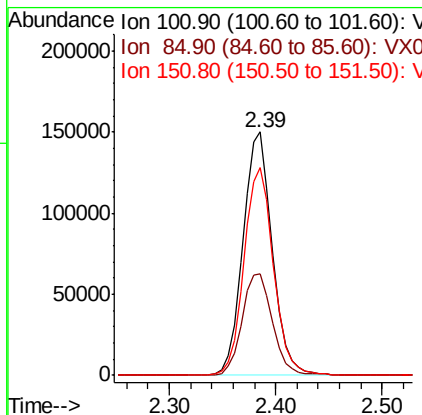
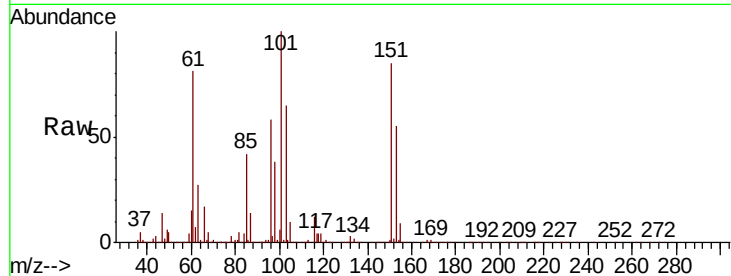
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	289889
Ion Ratio	Lower	Upper	
101	100		
85	43.3	35.5	53.3
151	86.1	68.6	103.0

Manual Integrations
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12/13/2018 11:05:32 AM



#10

Methyl Iodide

Concen: 59.427 ug/l

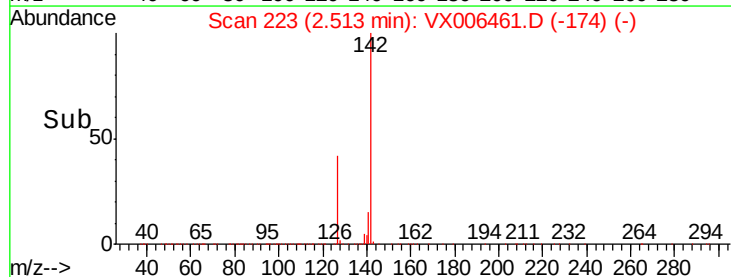
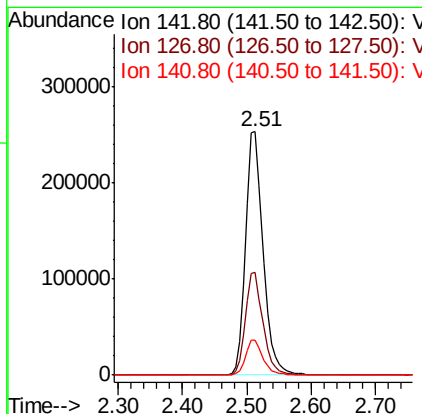
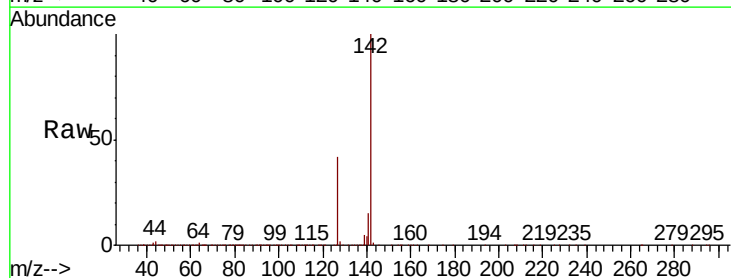
RT: 2.51 min Scan# 223

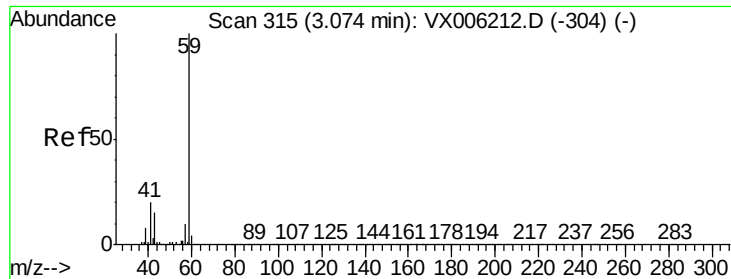
Delta R.T. 0.00 min

Lab File: VX006461.D

Acq: 12 Dec 2018 22:52

Tgt Ion:	142	Resp:	472356
Ion Ratio	Lower	Upper	
142	100		
127	42.2	34.8	52.2
141	14.3	11.4	17.2





#11

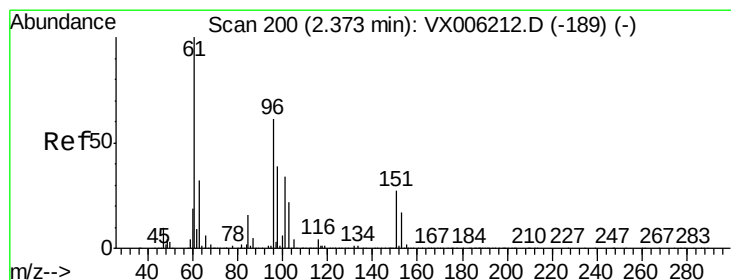
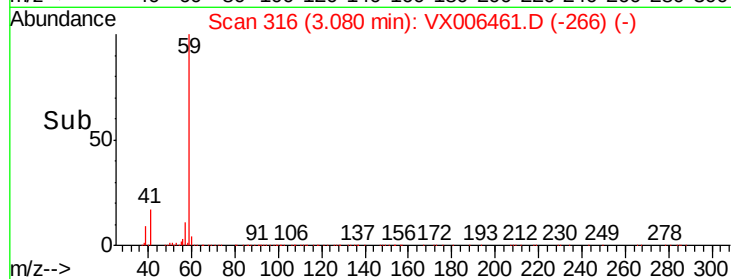
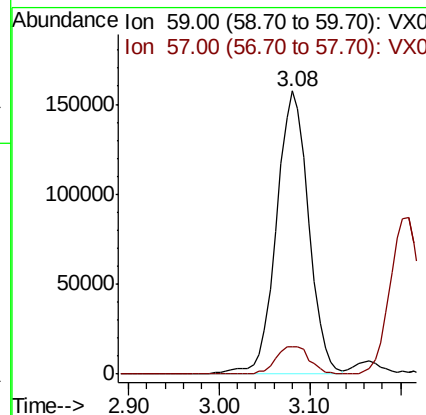
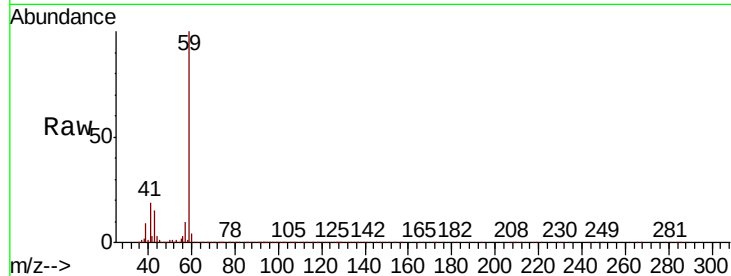
Tert butyl alcohol
Concen: 248.091 ug/l
RT: 3.08 min Scan# 316
Delta R.T. 0.01 min
Lab File: VX006461.D
Acq: 12 Dec 2018 22:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.2	12.2

Manual Integrations
APPROVED

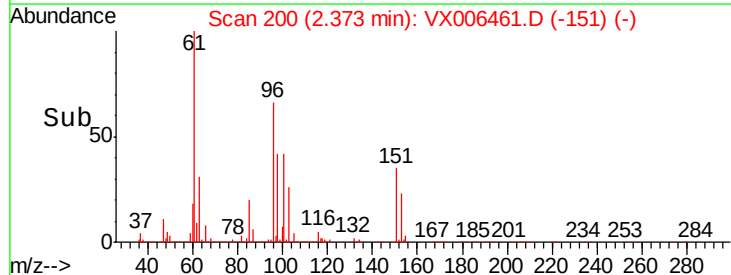
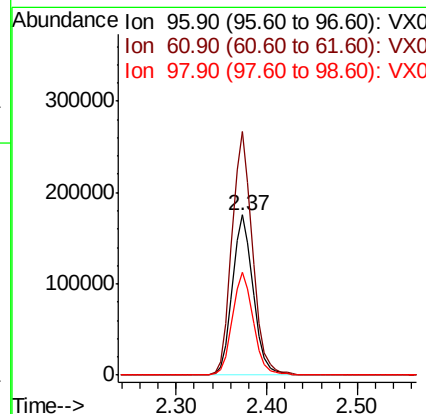
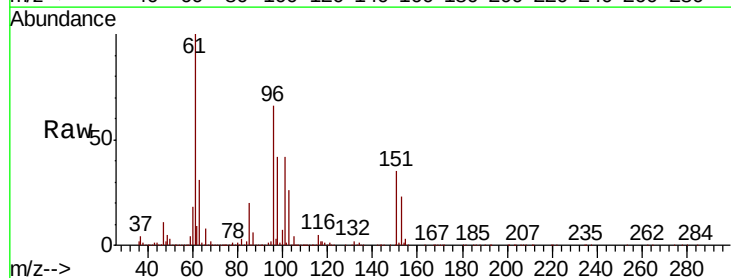
MMDadoda
12/13/2018 11:05:32 AM

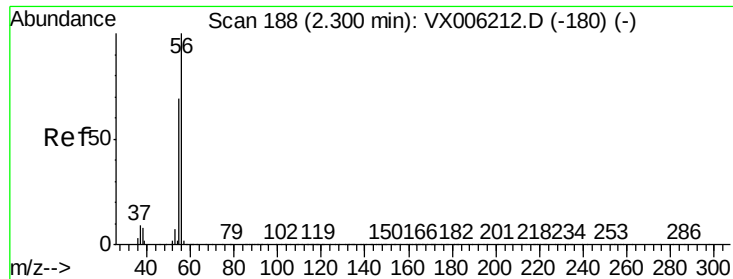


#12

1,1-Dichloroethene
Concen: 55.173 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX006461.D
Acq: 12 Dec 2018 22:52

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.9	131.7	197.5
98	64.4	51.8	77.6





#13

Acrolein

Concen: 228.221 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.00 min

Lab File: VX006461.D

Acq: 12 Dec 2018 22:52

Instrument :

MSVOA_X

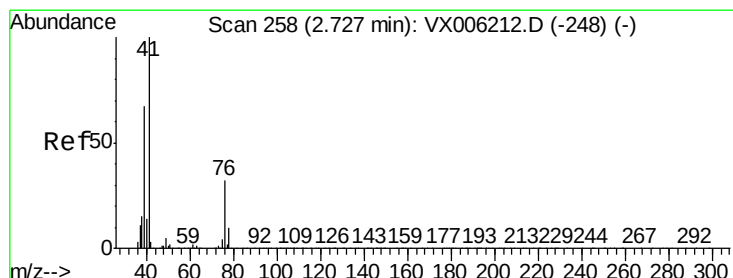
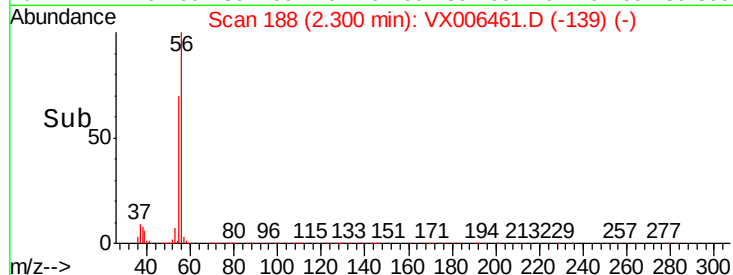
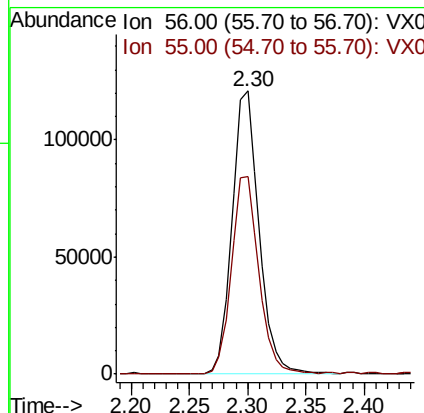
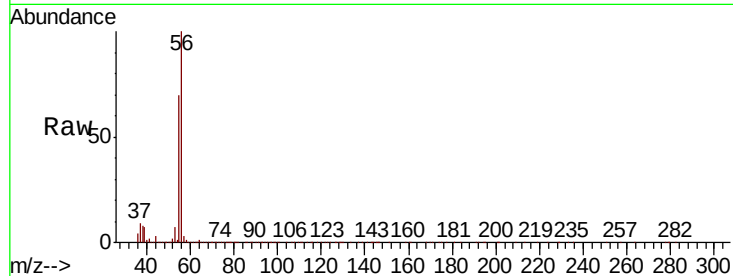
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.8	57.8	86.6

Manual Integrations
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12/13/2018 11:05:32 AM



#14

Allyl chloride

Concen: 47.954 ug/l

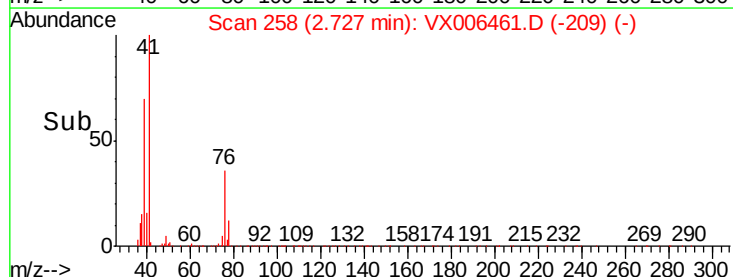
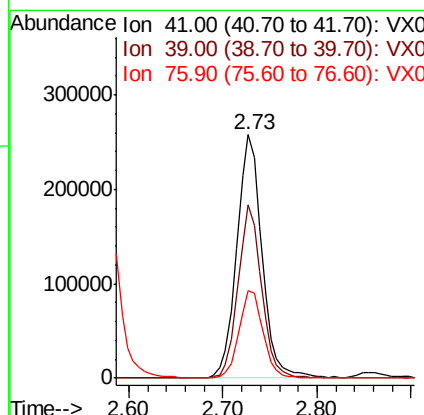
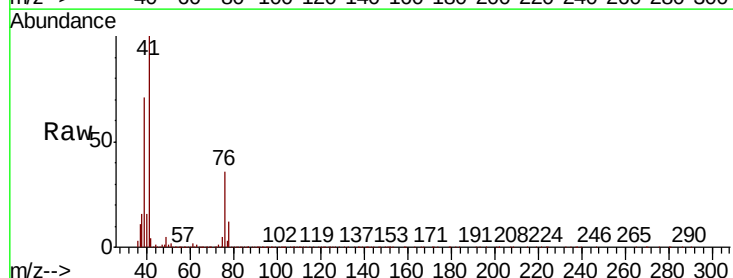
RT: 2.73 min Scan# 258

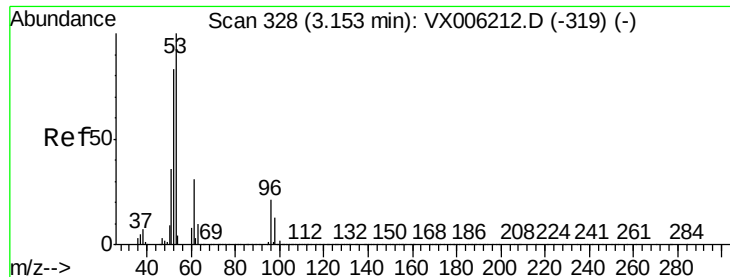
Delta R.T. 0.00 min

Lab File: VX006461.D

Acq: 12 Dec 2018 22:52

Tgt Ion	Ratio	Lower	Upper
41	100		
39	66.3	52.4	78.6
76	34.2	25.4	38.0





#15

Acrylonitrile

Concen: 263.889 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VX006461.D

Acq: 12 Dec 2018 22:52

Instrument :

MSVOA_X

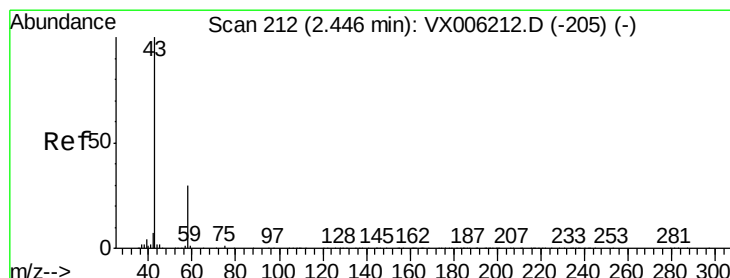
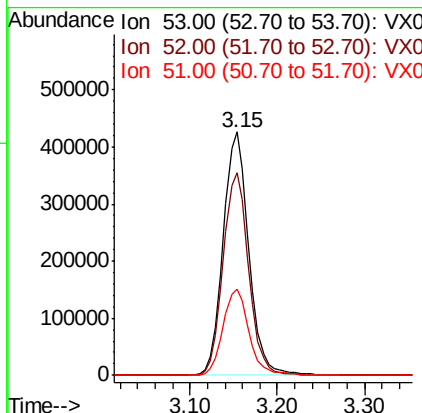
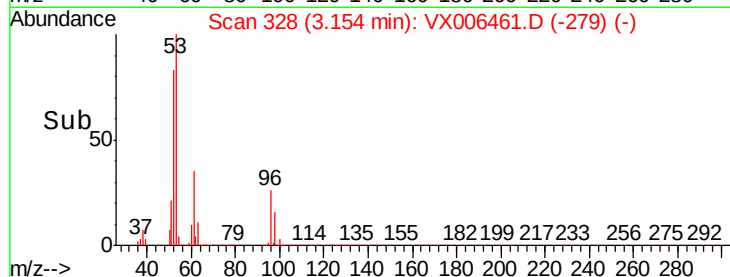
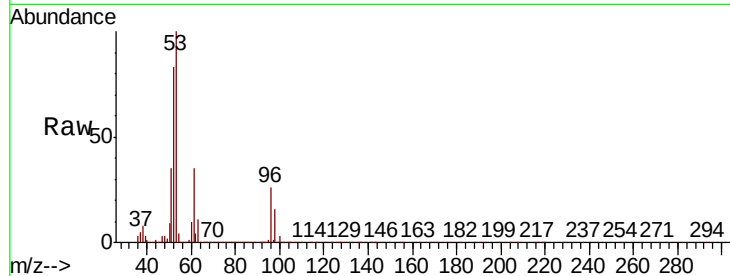
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	857821
Ion Ratio		Lower	Upper
53	100		
52	83.4	66.2	99.4
51	36.1	28.7	43.1

Manual Integrations
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#16

Acetone

Concen: 260.985 ug/l

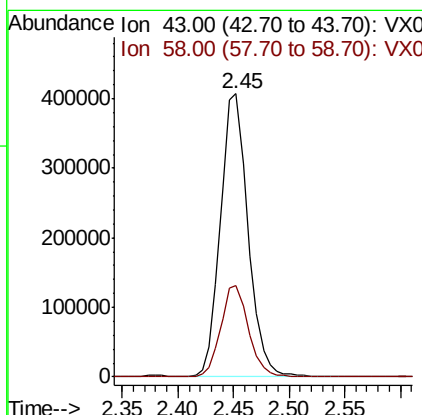
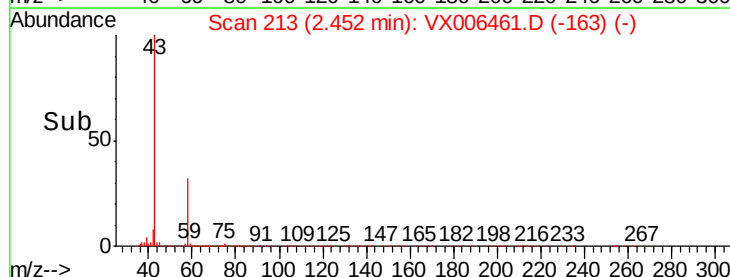
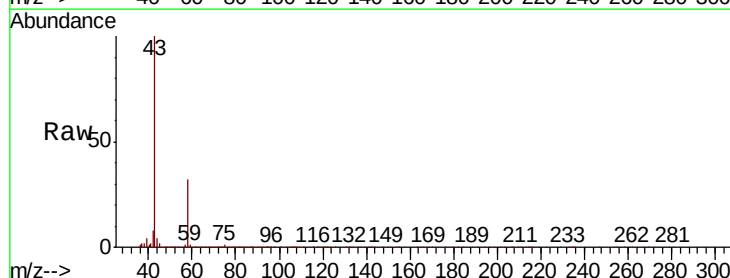
RT: 2.45 min Scan# 213

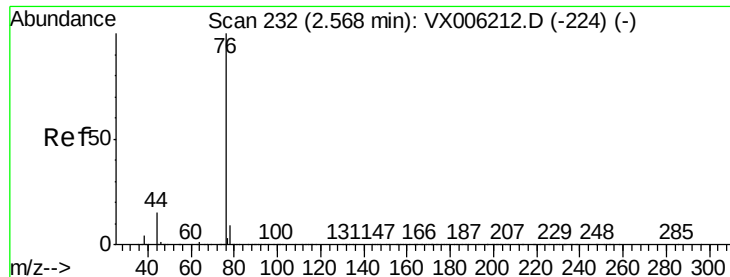
Delta R.T. 0.01 min

Lab File: VX006461.D

Acq: 12 Dec 2018 22:52

Tgt Ion:	43	Resp:	697656
Ion Ratio		Lower	Upper
43	100		
58	32.2	24.0	36.0





#17

Carbon Disulfide

Concen: 48.902 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX006461.D

Acq: 12 Dec 2018 22:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 760830

Ion Ratio Lower Upper

76 100

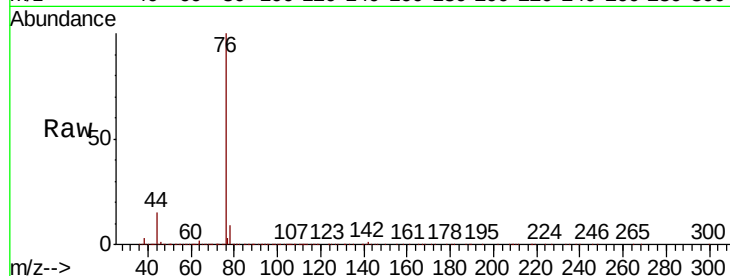
78 9.4 7.1 10.7

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

500000

400000

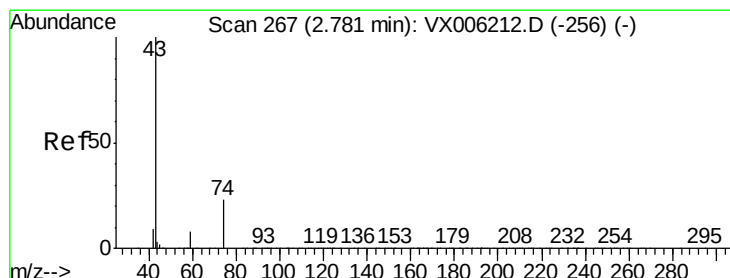
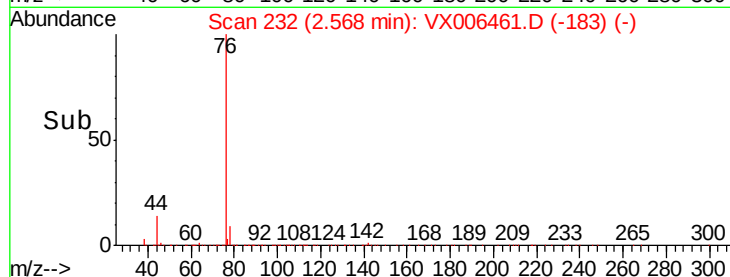
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 52.170 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX006461.D

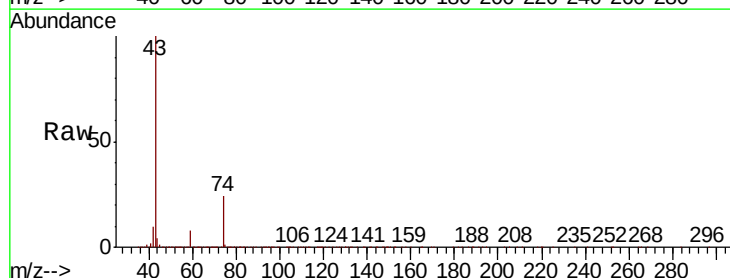
Acq: 12 Dec 2018 22:52

Tgt Ion: 43 Resp: 466378

Ion Ratio Lower Upper

43 100

74 23.9 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

300000

250000

200000

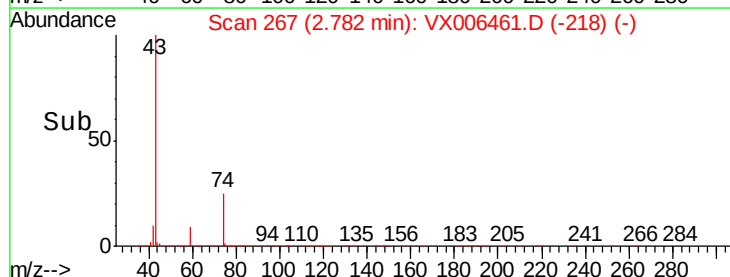
150000

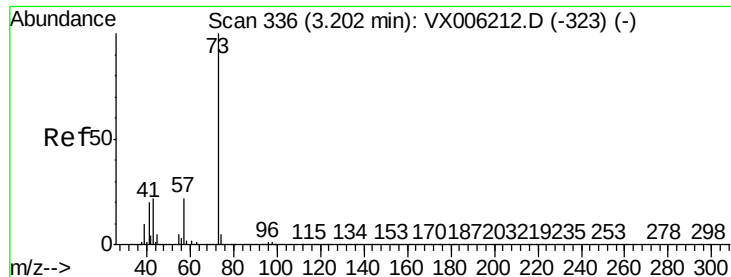
100000

50000

0

Time-->





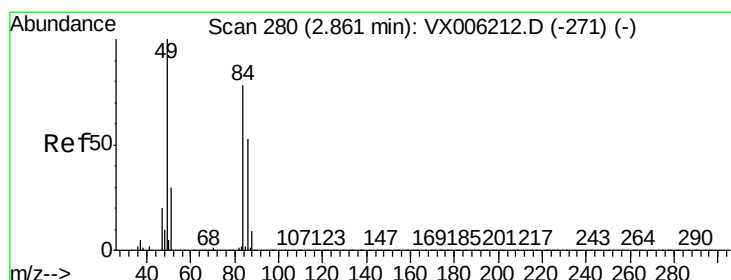
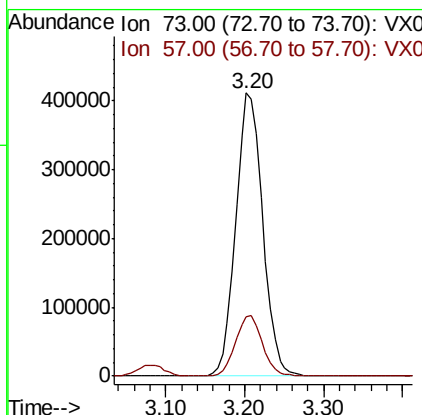
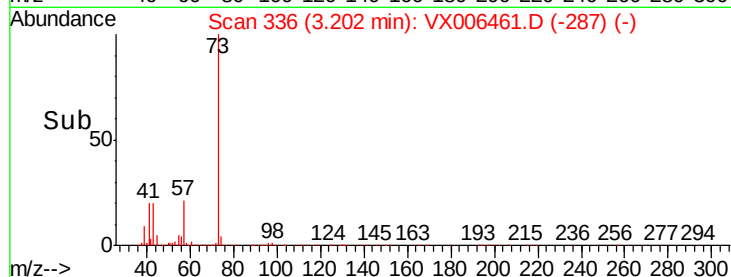
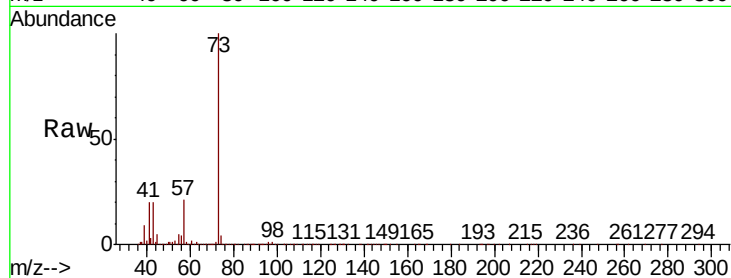
#19
Methyl tert-butyl Ether
Concen: 54.209 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX006461.D
Acq: 12 Dec 2018 22:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.9	17.5	26.3

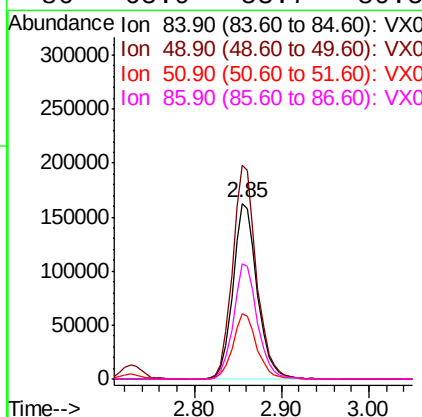
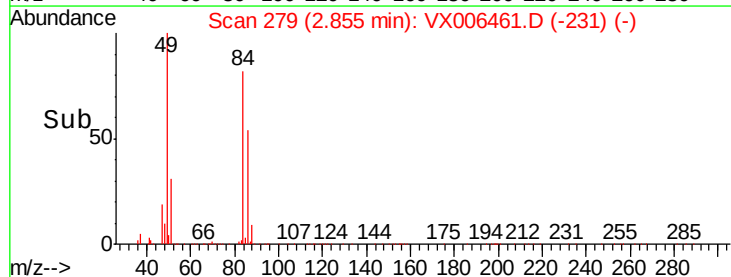
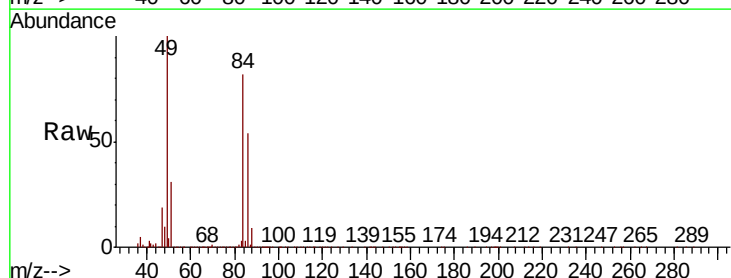
Manual Integrations
APPROVED

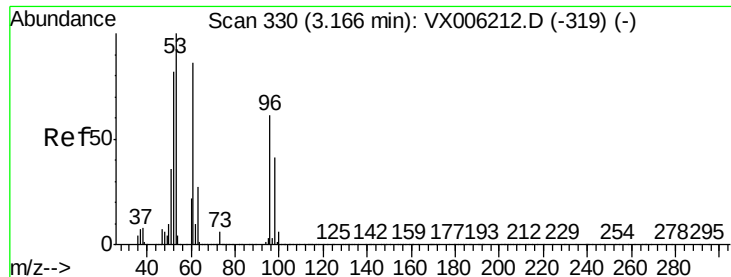
MMDadoda
12/13/2018 11:05:32 AM



#20
Methylene Chloride
Concen: 55.018 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX006461.D
Acq: 12 Dec 2018 22:52

Tgt Ion	Ratio	Lower	Upper
84	100		
49	121.6	102.2	153.4
51	37.3	31.1	46.7
86	65.9	53.7	80.5





#21

trans-1,2-Dichloroethene

Concen: 55.684 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX006461.D

Acq: 12 Dec 2018 22:52

Instrument :

MSVOA_X

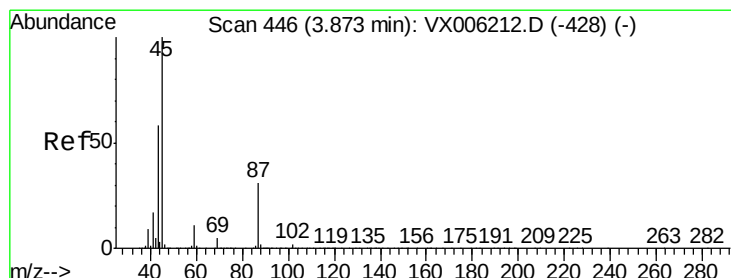
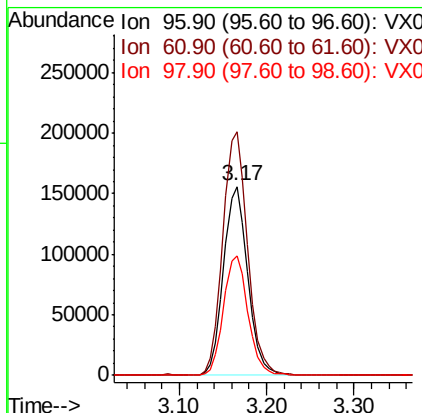
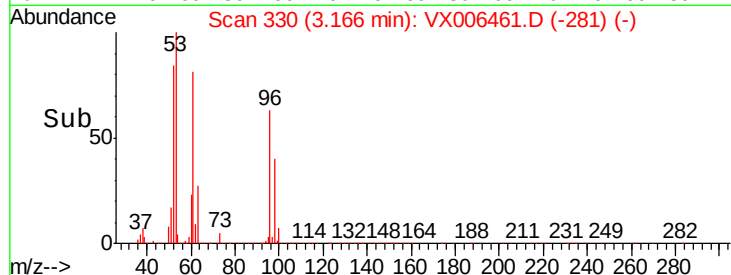
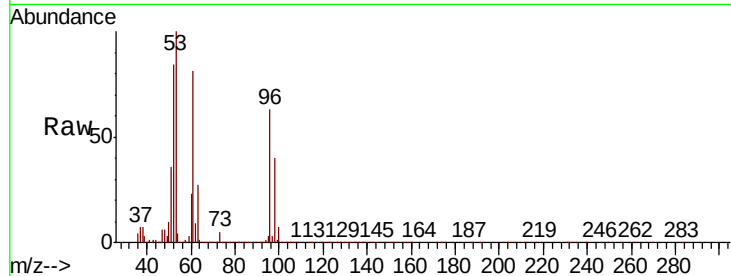
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	299611
Ion Ratio	Lower	Upper	
96	100		
61	128.9	113.3	169.9
98	63.0	53.2	79.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 55.356 ug/l

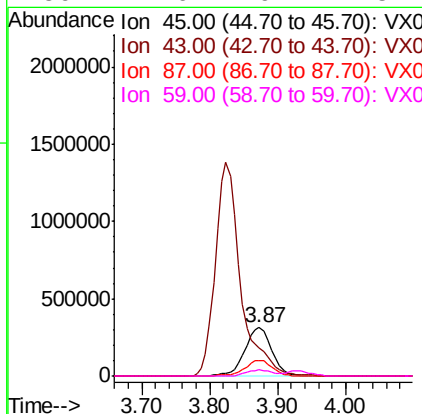
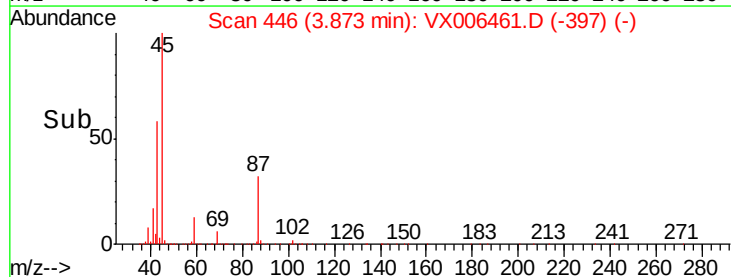
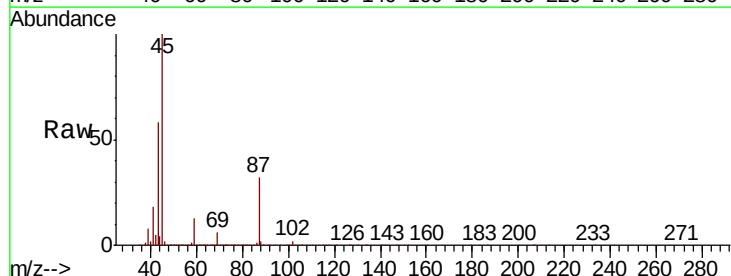
RT: 3.87 min Scan# 446

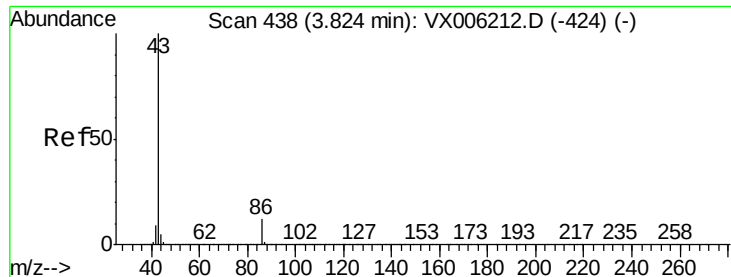
Delta R.T. 0.00 min

Lab File: VX006461.D

Acq: 12 Dec 2018 22:52

Tgt Ion:	45	Resp:	862370
Ion Ratio	Lower	Upper	
45	100		
43	57.7	46.2	69.2
87	32.0	24.9	37.3
59	12.6	9.1	13.7





#23

Vinyl Acetate

Concen: 268.907 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX006461.D

Acq: 12 Dec 2018 22:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 3573044

Ion Ratio Lower Upper

43 100

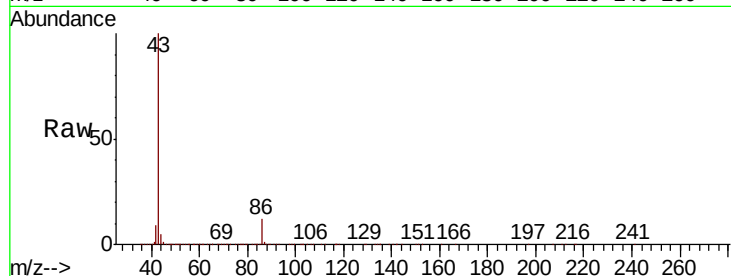
86 11.8 9.4 14.0

Manual Integrations

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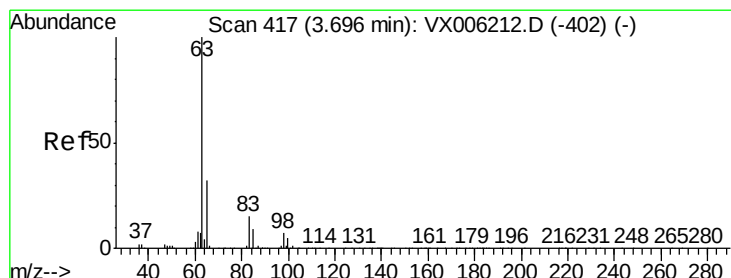
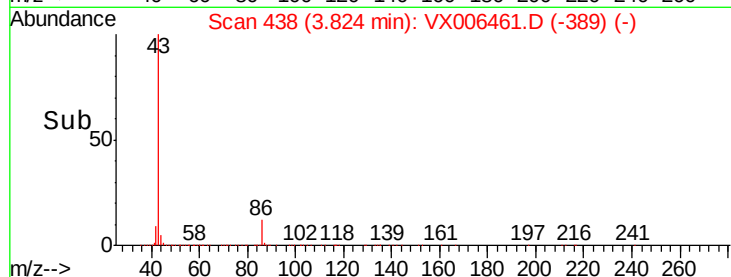
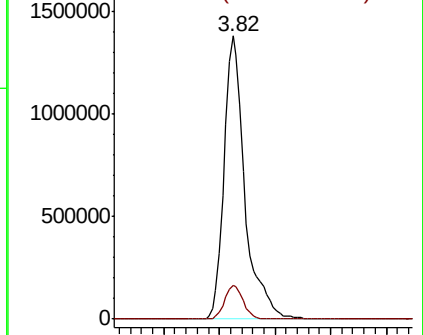
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 55.643 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX006461.D

Acq: 12 Dec 2018 22:52

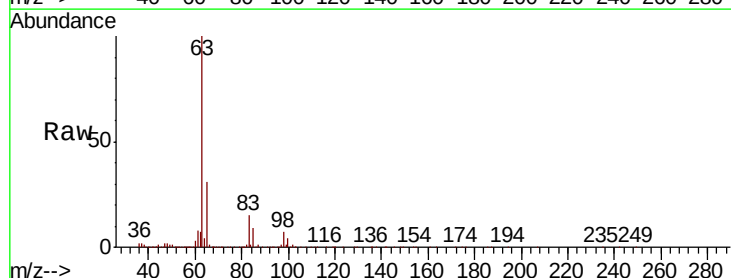
Tgt Ion: 63 Resp: 495466

Ion Ratio Lower Upper

63 100

98 7.1 3.8 11.4

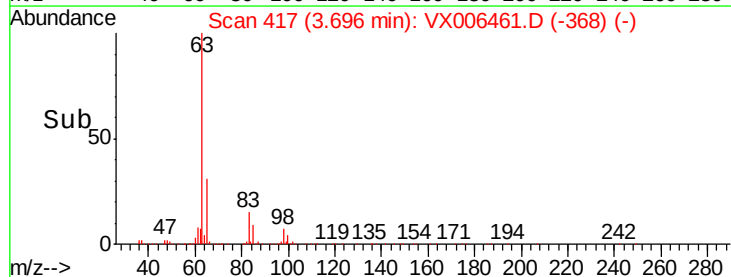
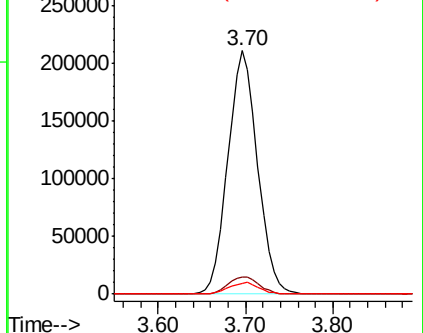
100 4.4 2.5 7.4

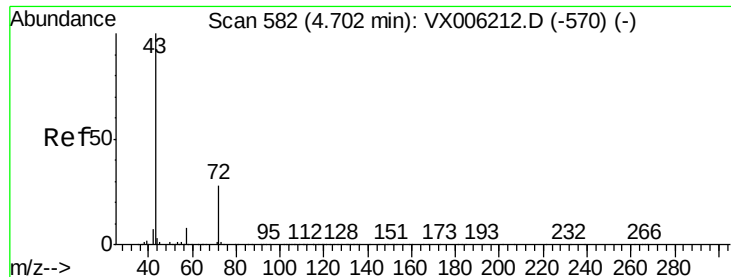


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 271.286 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX006461.D

Acq: 12 Dec 2018 22:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1034746

Ion Ratio Lower Upper

43 100

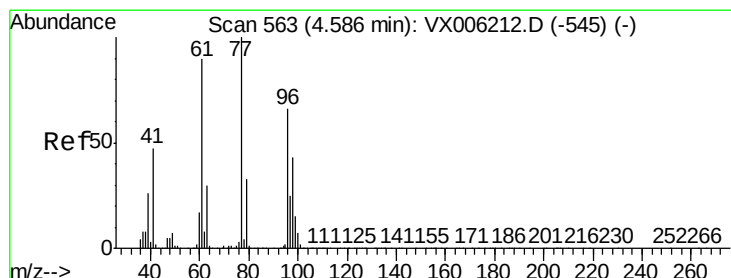
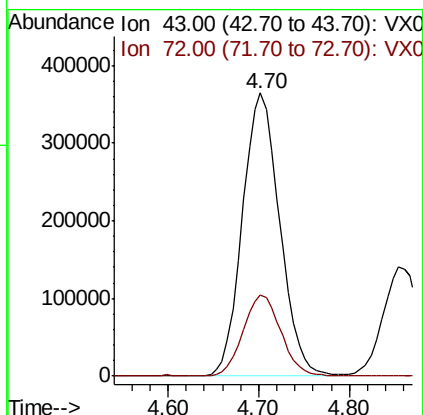
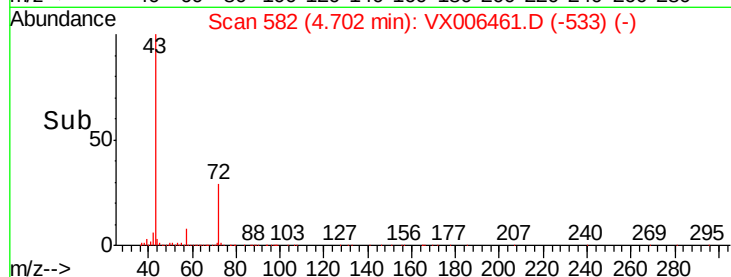
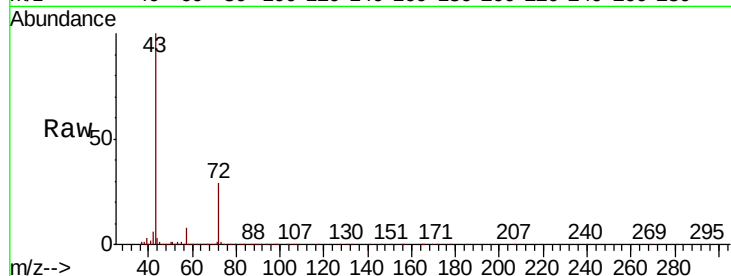
72 28.8 22.6 33.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 44.678 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX006461.D

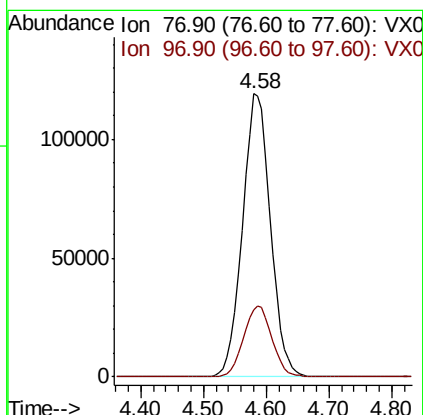
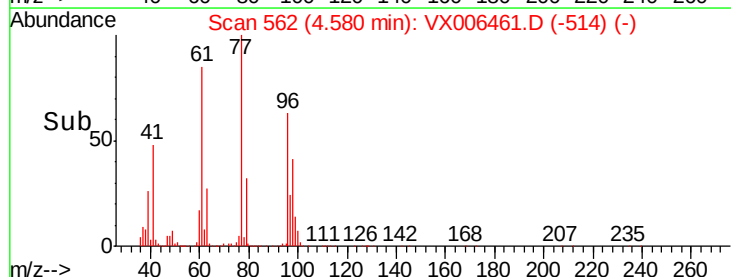
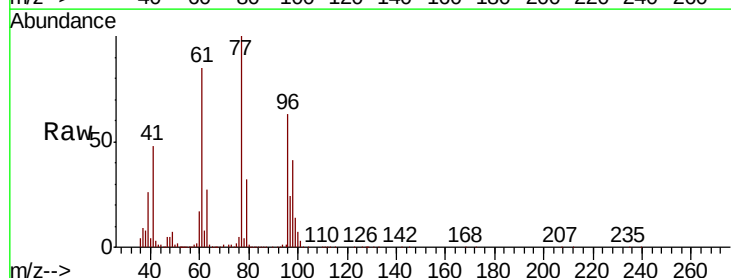
Acq: 12 Dec 2018 22:52

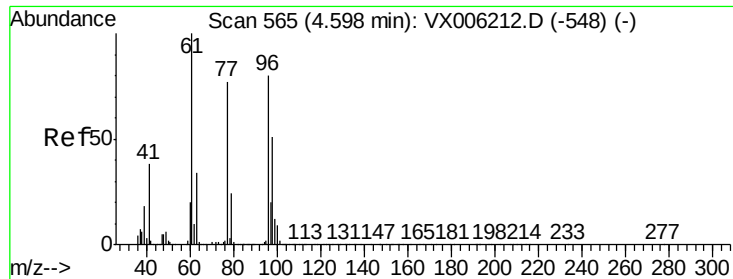
Tgt Ion: 77 Resp: 367153

Ion Ratio Lower Upper

77 100

97 25.5 12.3 36.8





#27

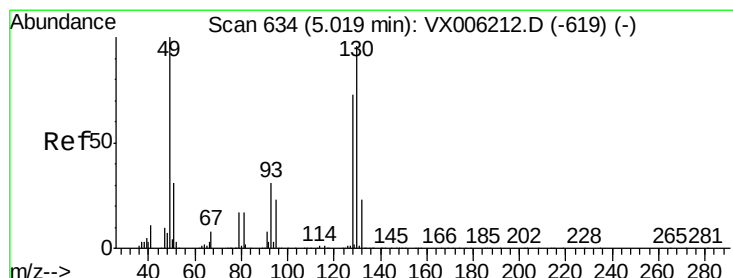
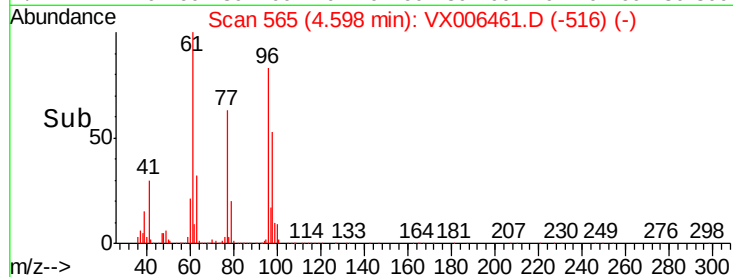
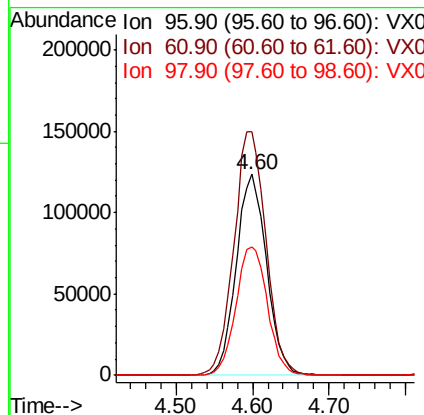
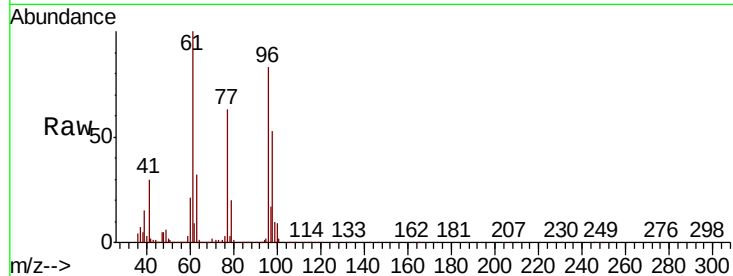
cis-1,2-Dichloroethene
Concen: 56.620 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX006461.D
Acq: 12 Dec 2018 22:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	339819		
61	127.9	0.0	265.0	
98	66.5	0.0	130.2	

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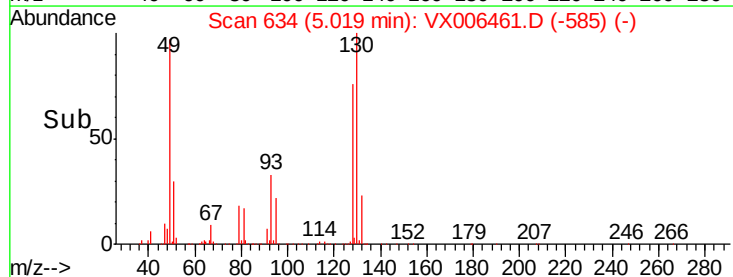
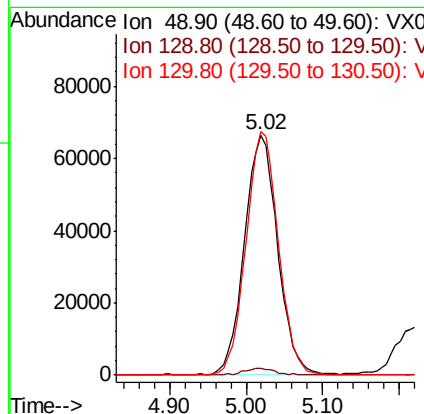
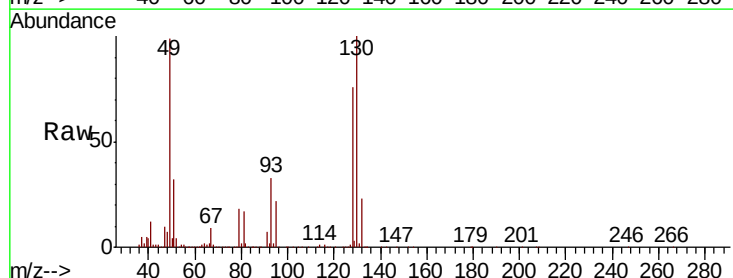
MMDadoda
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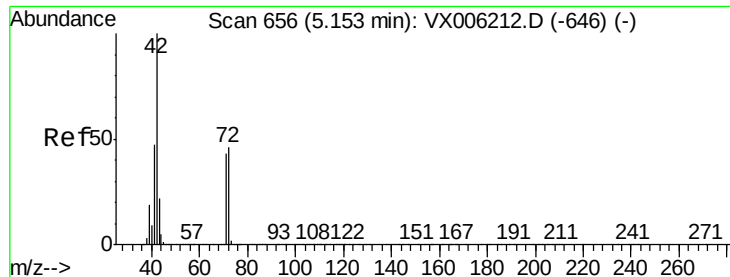


#28

Bromochloromethane
Concen: 51.422 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX006461.D
Acq: 12 Dec 2018 22:52

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	199999		
129	2.8	0.0	5.0	
130	99.5	78.3	117.5	





#29

Tetrahydrofuran

Concen: 269.430 ug/l

RT: 5.15 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX006461.D

Acq: 12 Dec 2018 22:52

Instrument :

MSVOA_X

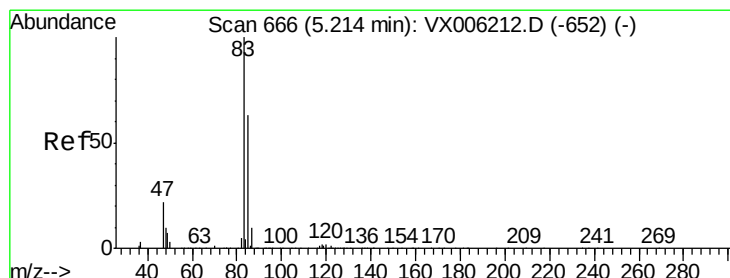
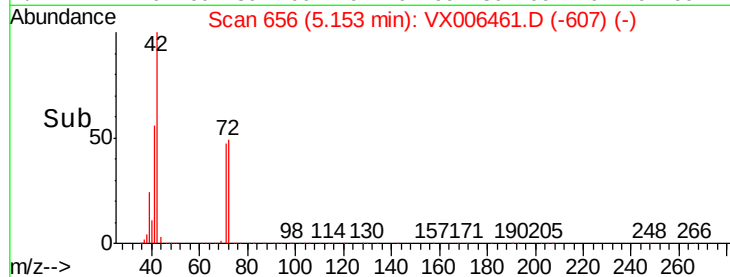
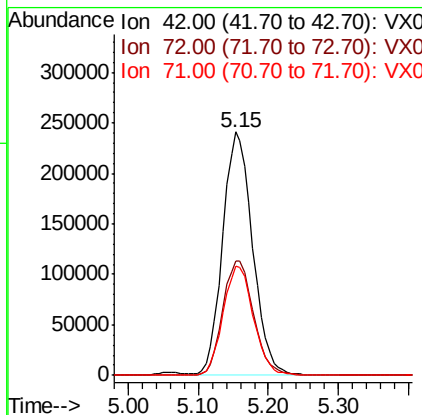
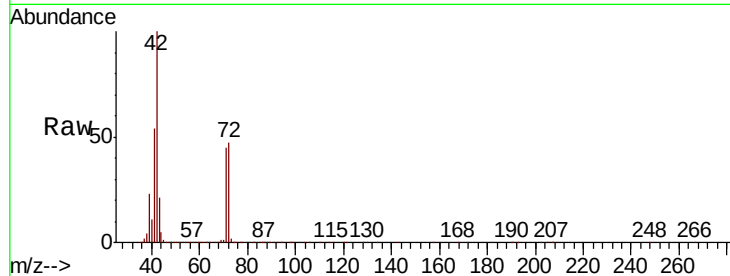
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	714227
Ion	Ratio	Lower	Upper
42	100		
72	48.9	37.8	56.8
71	45.6	35.2	52.8

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#30

Chloroform

Concen: 57.141 ug/l

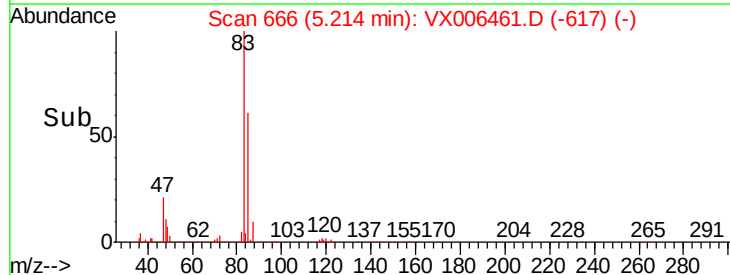
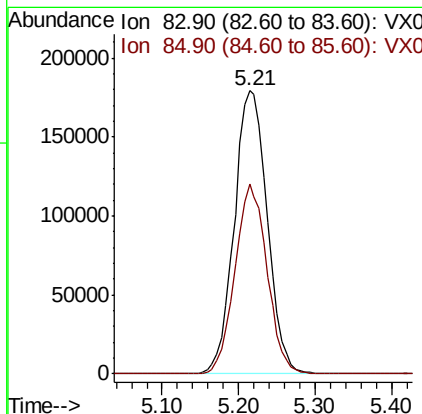
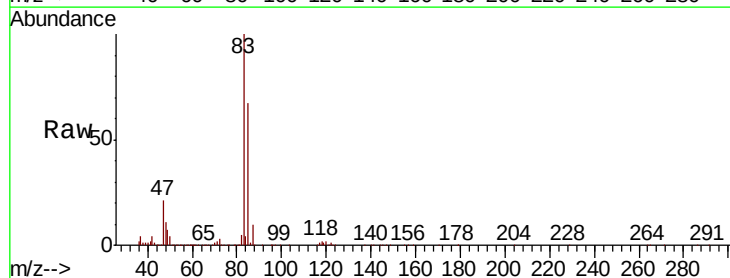
RT: 5.21 min Scan# 666

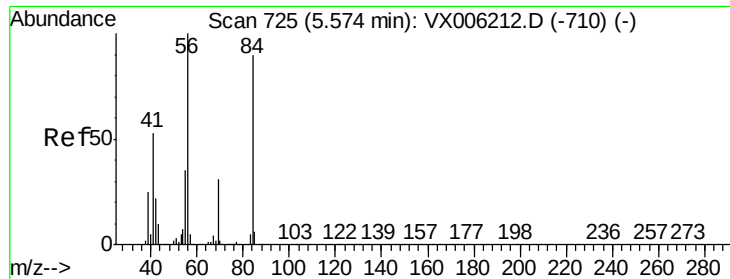
Delta R.T. 0.00 min

Lab File: VX006461.D

Acq: 12 Dec 2018 22:52

Tgt Ion:	83	Resp:	534692
Ion	Ratio	Lower	Upper
83	100		
85	66.8	50.3	75.5





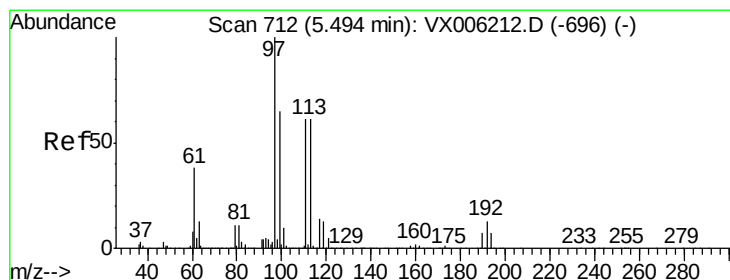
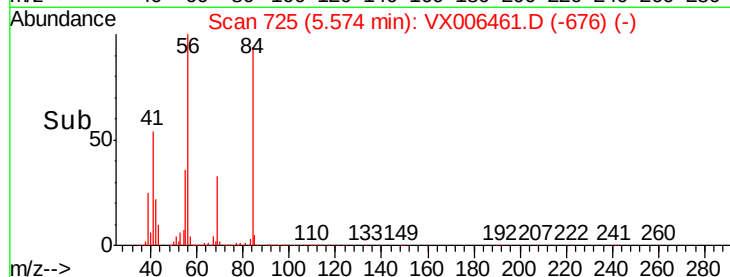
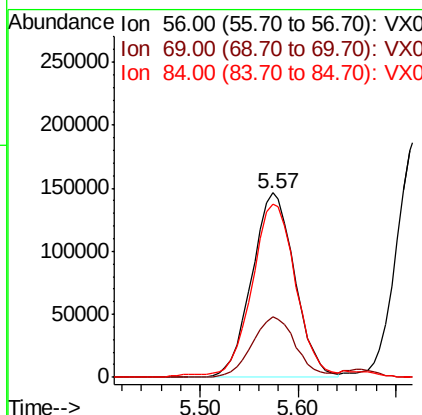
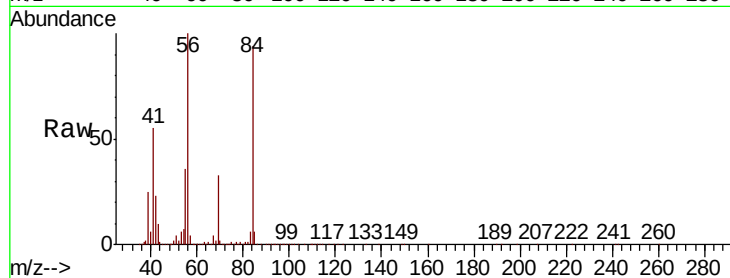
#31
Cyclohexane
Concen: 54.155 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX006461.D
Acq: 12 Dec 2018 22:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.9	24.5	36.7
84	92.3	71.8	107.6

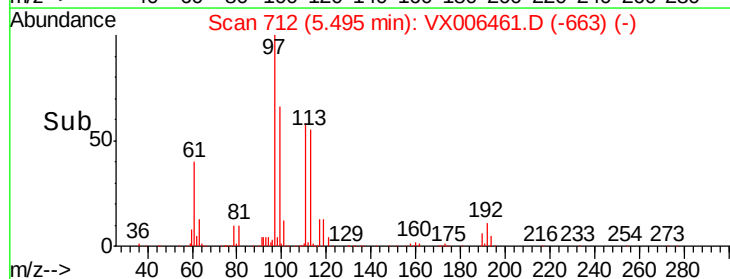
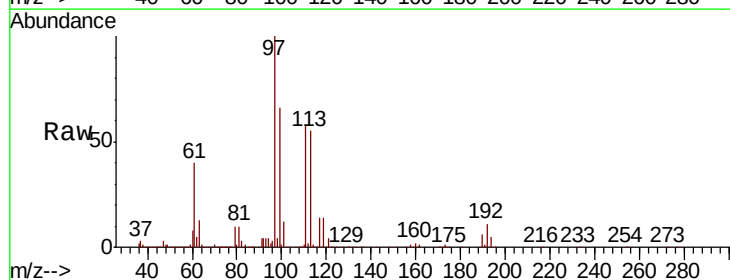
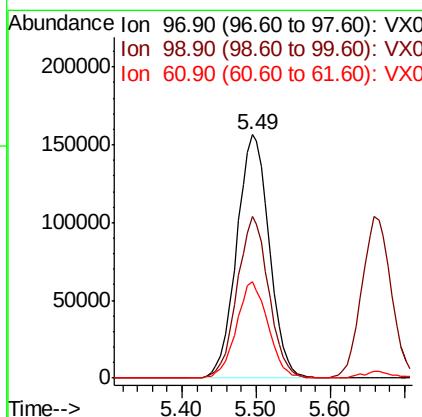
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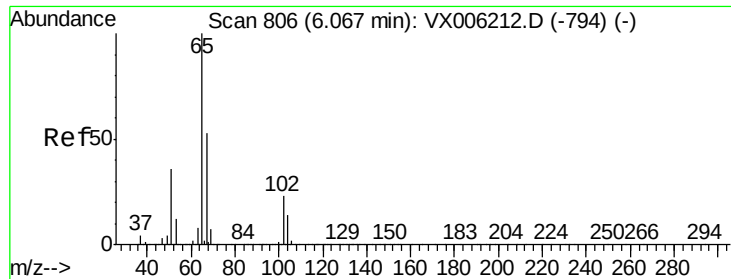
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 53.885 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX006461.D
Acq: 12 Dec 2018 22:52

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.6	77.4
61	38.6	30.6	46.0





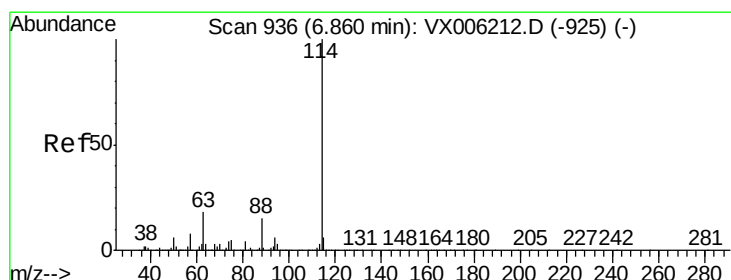
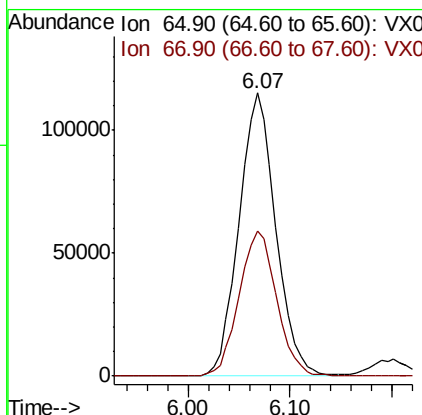
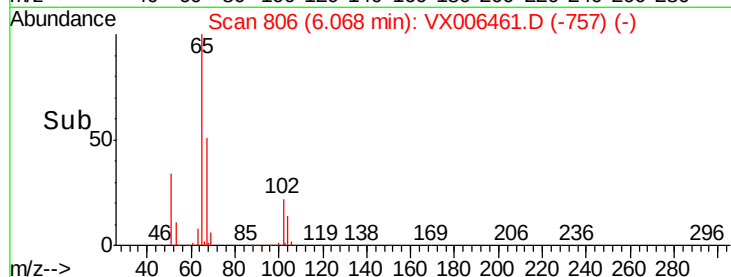
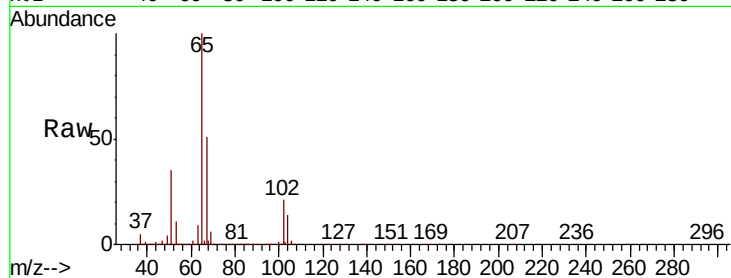
#33
 1,2-Dichloroethane-d4
 Concen: 50.650 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX006461.D
 Acq: 12 Dec 2018 22:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	288510		
67	52.5	0.0	107.2	

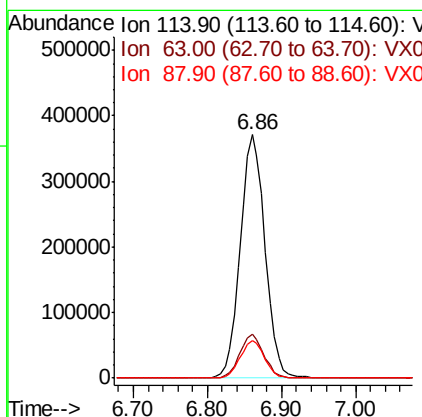
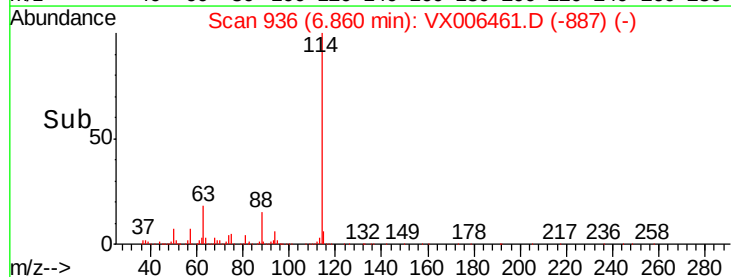
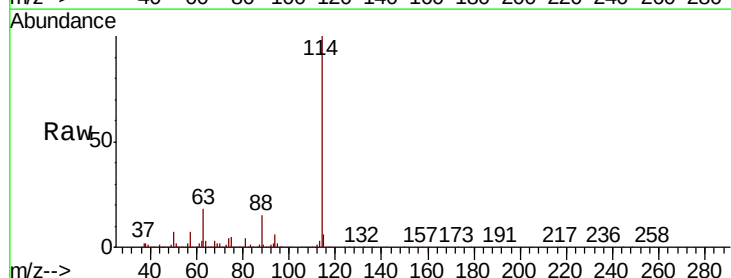
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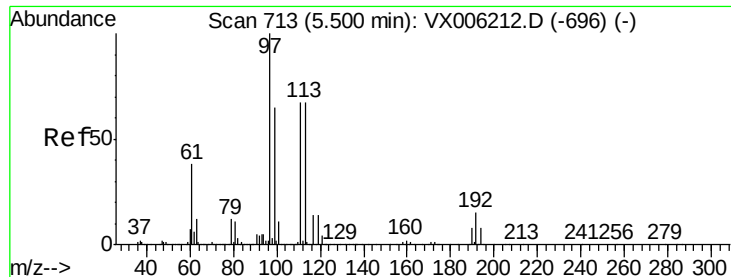
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX006461.D
 Acq: 12 Dec 2018 22:52

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	865859		
63	18.1	0.0	36.6	
88	15.1	0.0	29.0	





#35

Dibromofluoromethane

Concen: 48.768 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX006461.D

Acq: 12 Dec 2018 22:52

Instrument :

MSVOA_X

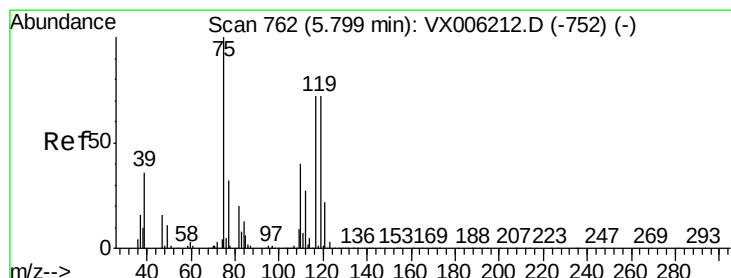
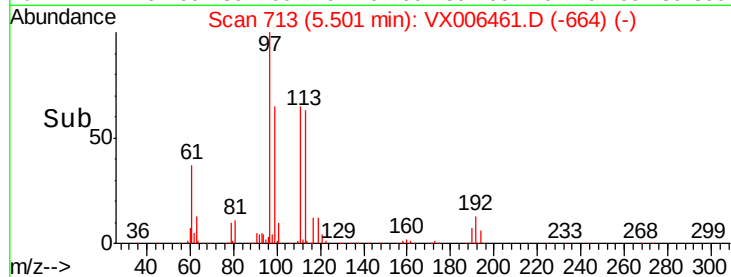
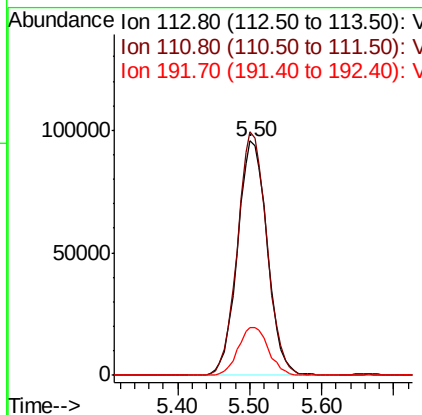
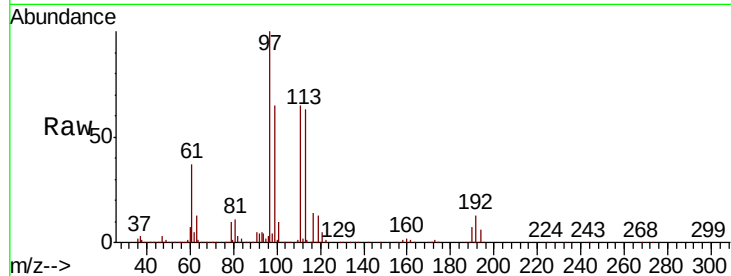
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	273400
Ion Ratio	Lower	Upper	
113	100		
111	102.8	81.1	121.7
192	20.9	18.2	27.2

Manual Integrations
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12/13/2018 11:05:32 AM



#36

1,1-Dichloropropene

Concen: 53.897 ug/l

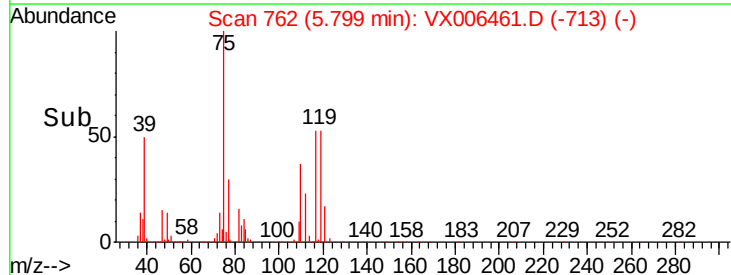
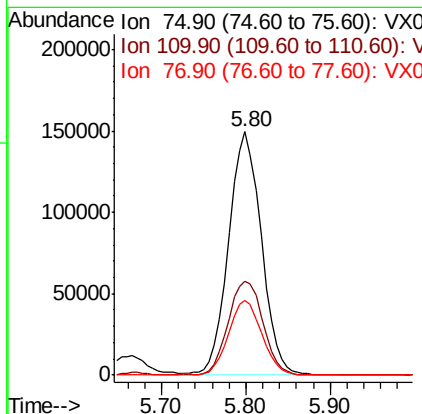
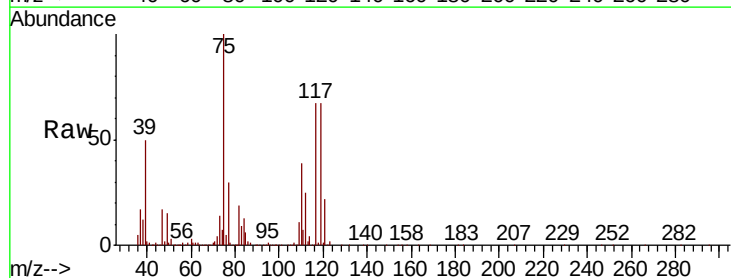
RT: 5.80 min Scan# 762

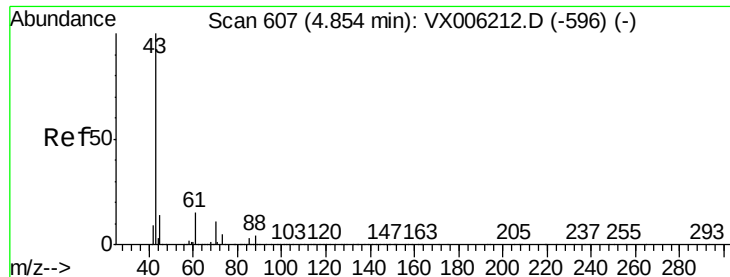
Delta R.T. 0.00 min

Lab File: VX006461.D

Acq: 12 Dec 2018 22:52

Tgt Ion:	75	Resp:	392983
Ion Ratio	Lower	Upper	
75	100		
110	41.2	20.4	61.3
77	31.1	24.9	37.3





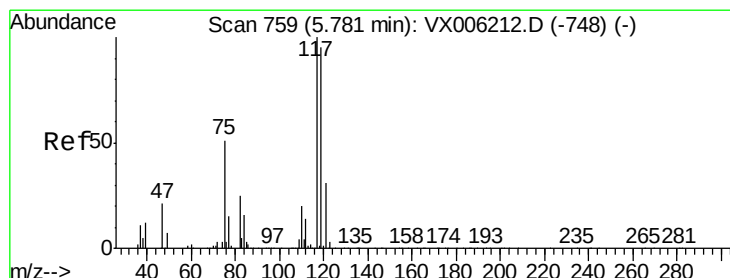
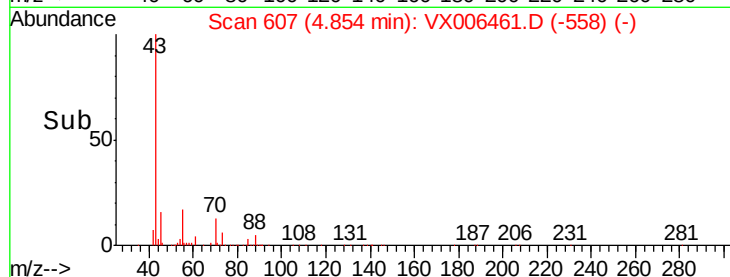
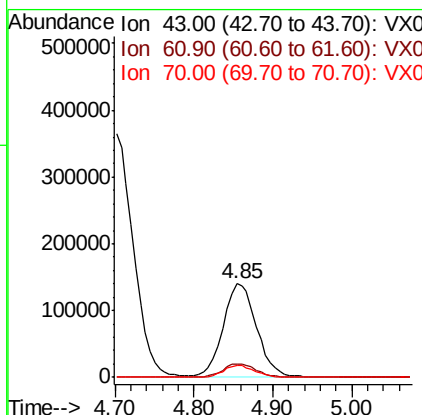
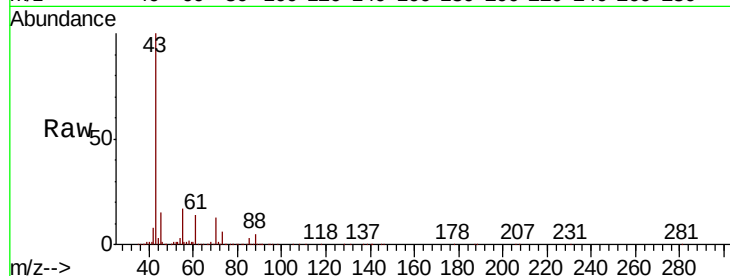
#37
Ethyl Acetate
Concen: 50.464 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX006461.D
Acq: 12 Dec 2018 22:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.5	17.3
70	12.1	9.0	13.6

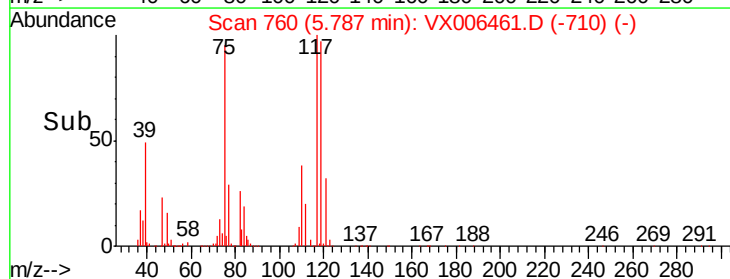
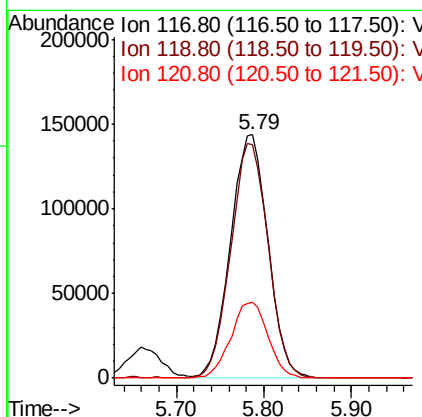
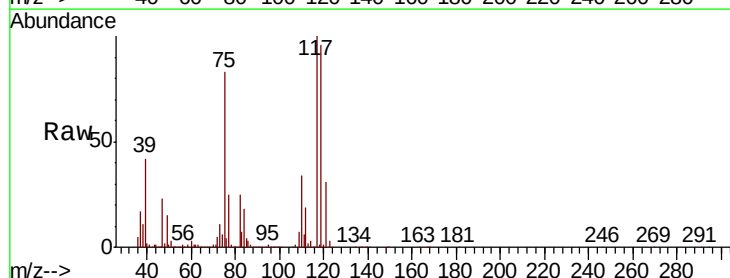
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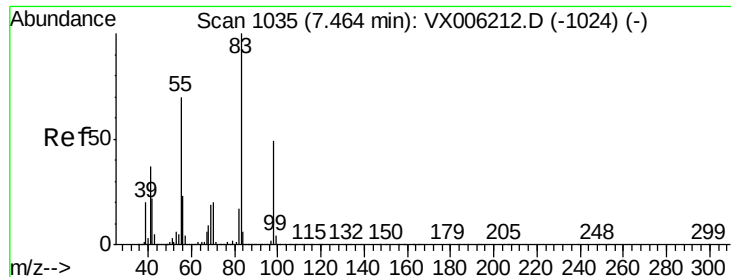
MMDadoda
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#38
Carbon Tetrachloride
Concen: 49.869 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX006461.D
Acq: 12 Dec 2018 22:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	75.8	113.8
121	31.3	24.6	37.0





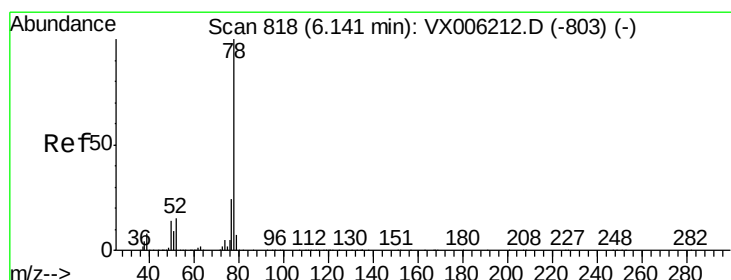
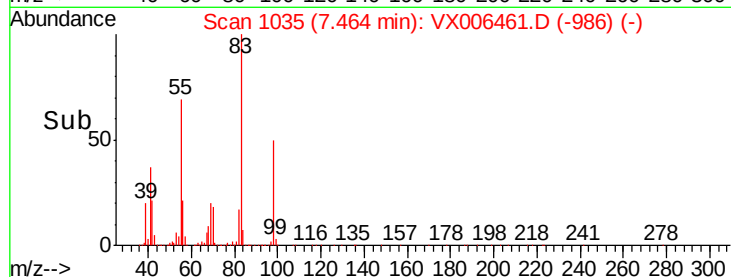
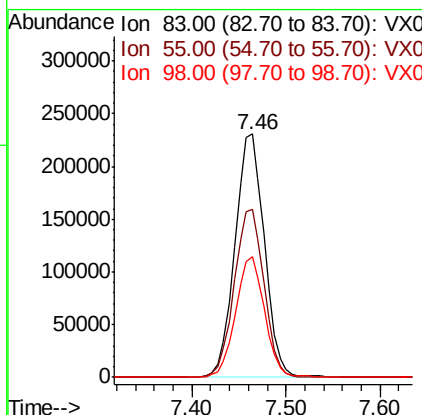
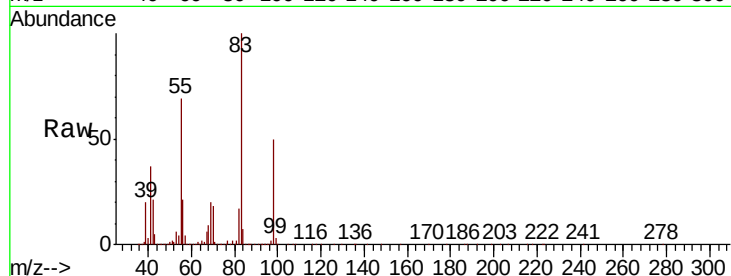
#39
Methylvlcyclohexane
Concen: 53.140 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX006461.D
Acq: 12 Dec 2018 22:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.8	56.4	84.6
98	49.8	39.0	58.6

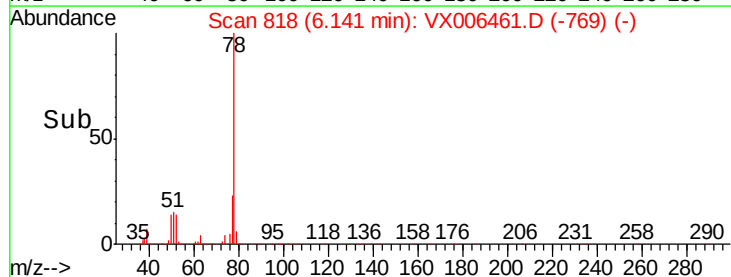
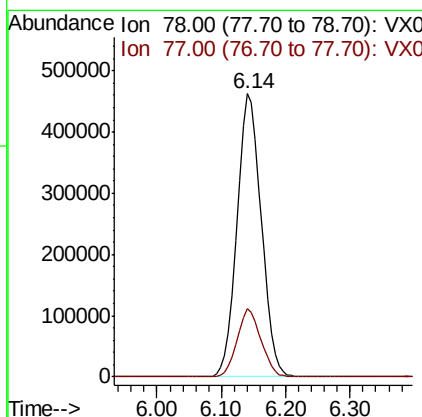
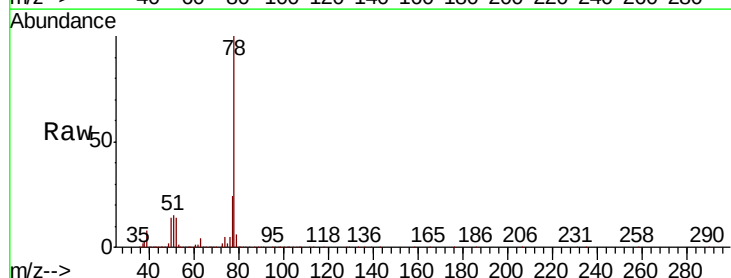
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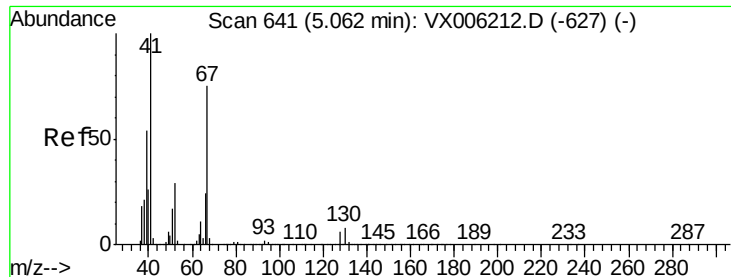
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#40
Benzene
Concen: 55.295 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX006461.D
Acq: 12 Dec 2018 22:52

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.2	28.8





#41

Methacrylonitrile

Concen: 49.787 ug/l

RT: 5.06 min Scan# 641

Delta R.T. 0.00 min

Lab File: VX006461.D

Acq: 12 Dec 2018 22:52

Instrument :

MSVOA_X

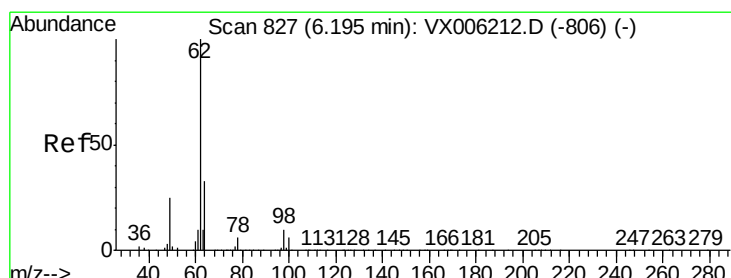
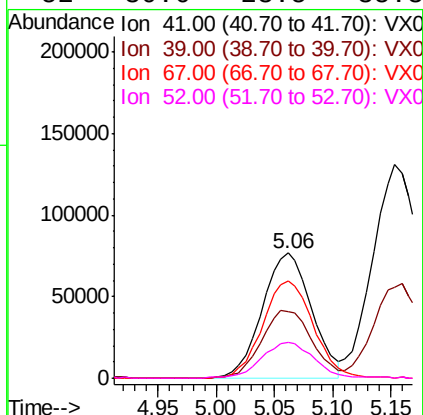
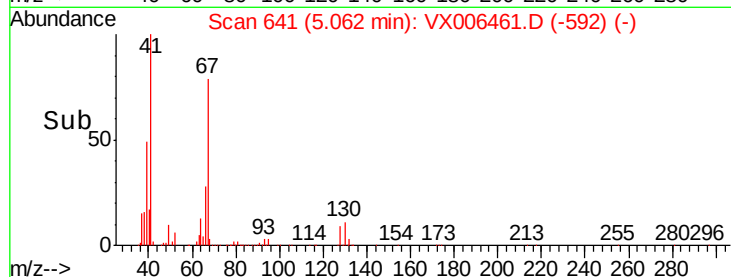
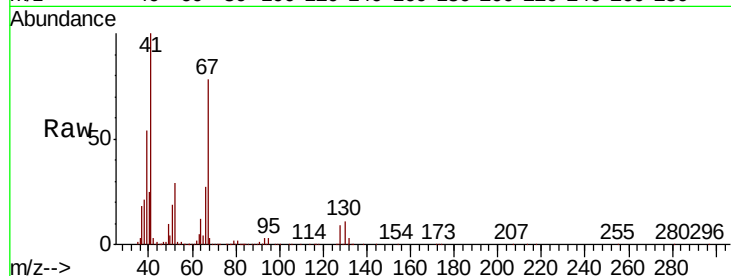
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.8	44.0	66.0
67	80.7	61.4	92.0
52	30.6	23.5	35.3

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 56.086 ug/l

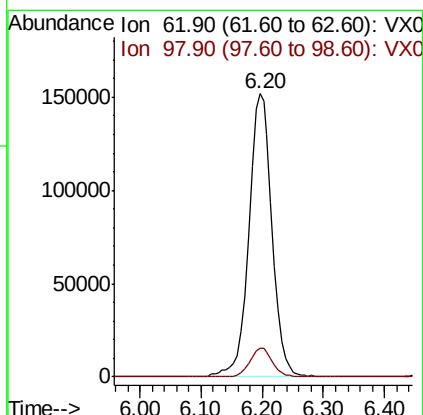
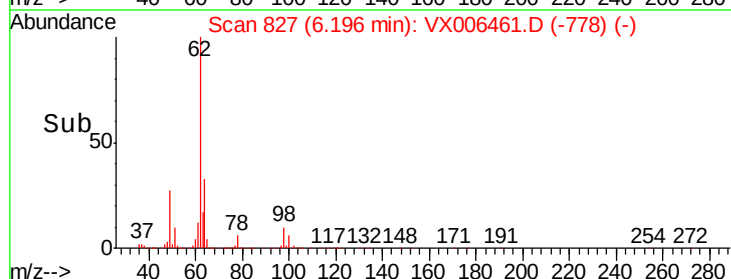
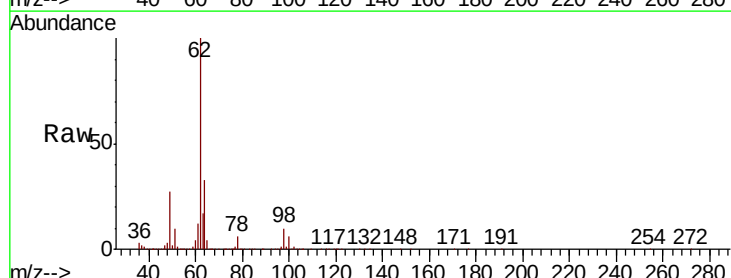
RT: 6.20 min Scan# 827

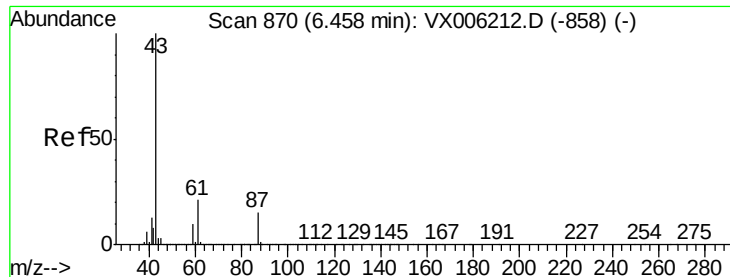
Delta R.T. 0.00 min

Lab File: VX006461.D

Acq: 12 Dec 2018 22:52

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	20.2





#43

Isopropyl Acetate

Concen: 49.163 ug/l

RT: 6.46 min Scan# 870

Delta R.T. 0.00 min

Lab File: VX006461.D

Acq: 12 Dec 2018 22:52

Instrument :

MSVOA_X

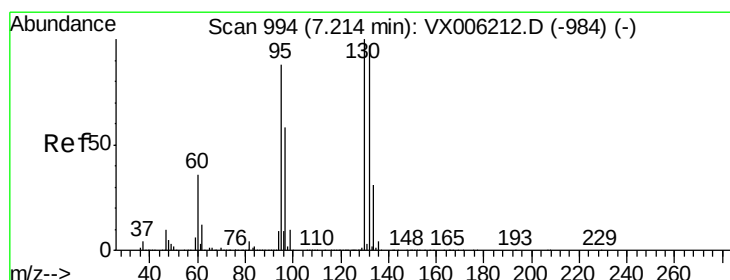
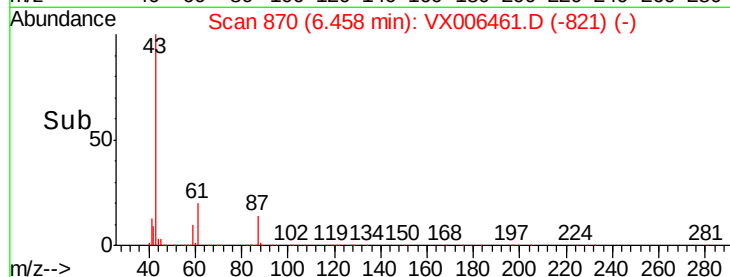
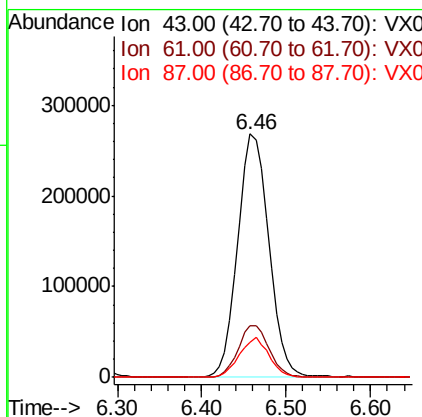
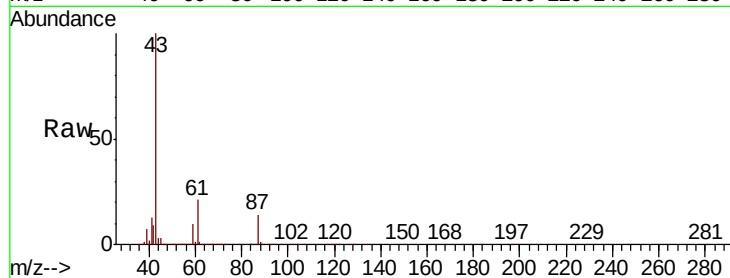
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	669315
Ion	Ratio	Lower	Upper
43	100		
61	21.3	16.8	25.2
87	15.6	11.9	17.9

Manual Integrations
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#44

Trichloroethene

Concen: 53.984 ug/l

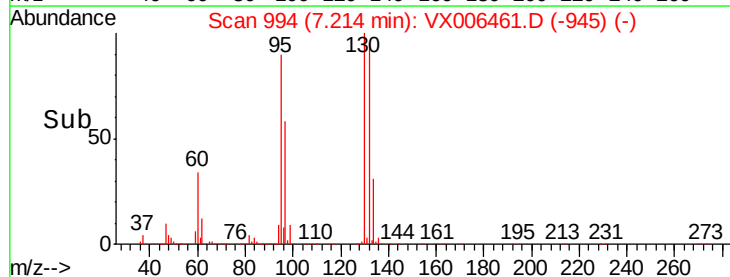
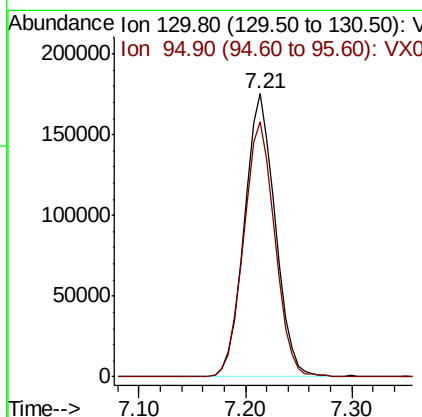
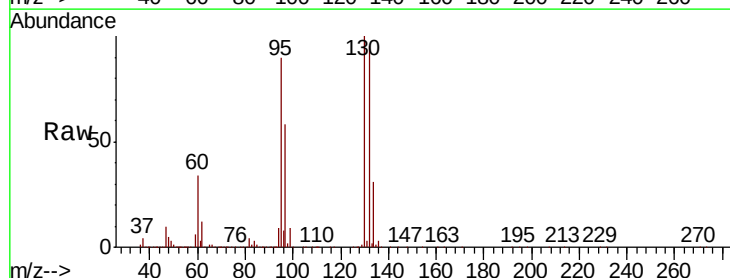
RT: 7.21 min Scan# 994

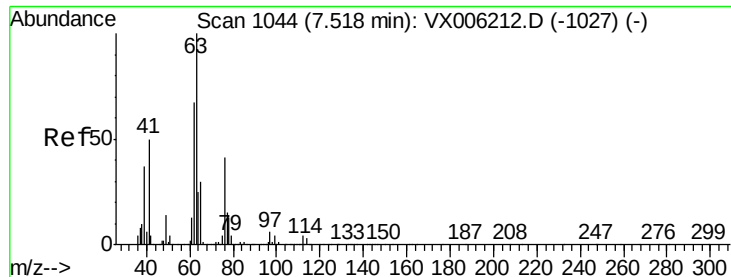
Delta R.T. 0.00 min

Lab File: VX006461.D

Acq: 12 Dec 2018 22:52

Tgt Ion:	130	Resp:	357146
Ion	Ratio	Lower	Upper
130	100		
95	90.3	0.0	175.8





#45

1,2-Dichloropropane

Concen: 53.311 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VX006461.D

Acq: 12 Dec 2018 22:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 295892

Ion Ratio Lower Upper

63 100

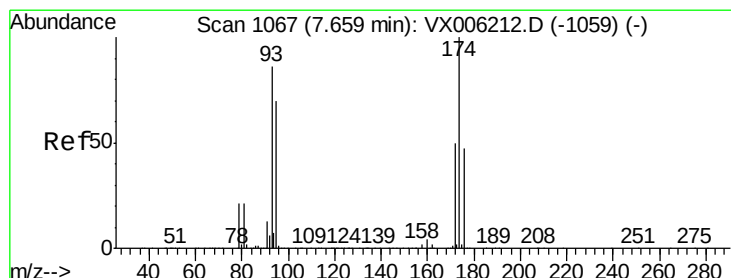
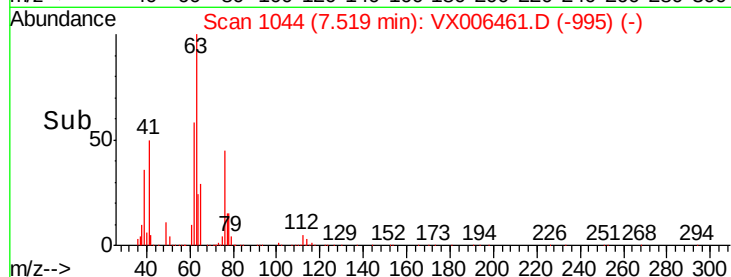
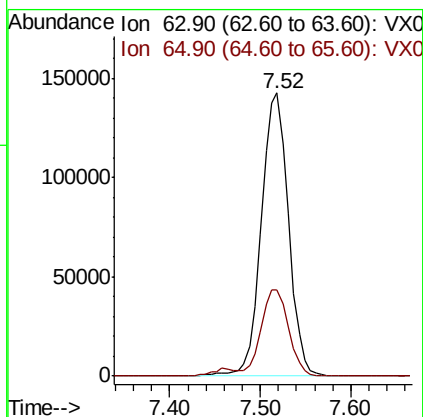
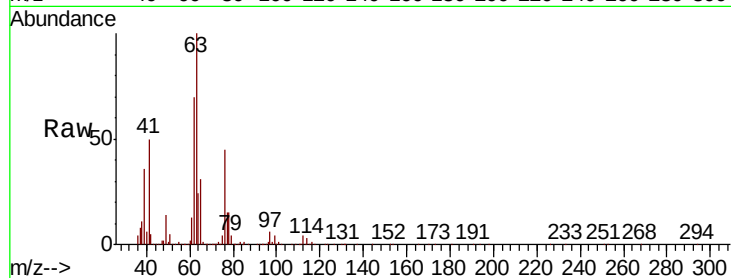
65 30.4 24.3 36.5

Manual Integrations

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#46

Dibromomethane

Concen: 54.415 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX006461.D

Acq: 12 Dec 2018 22:52

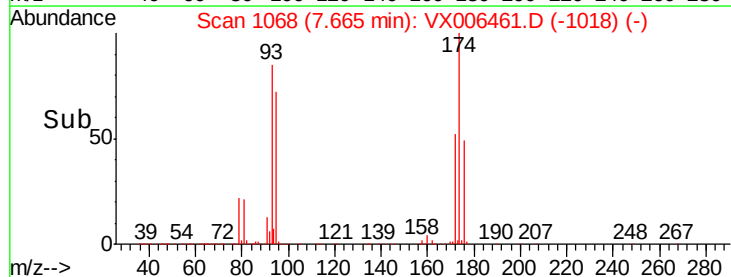
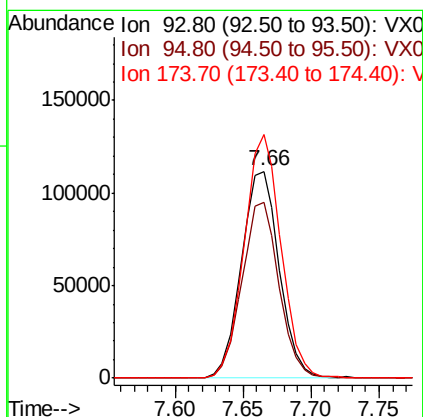
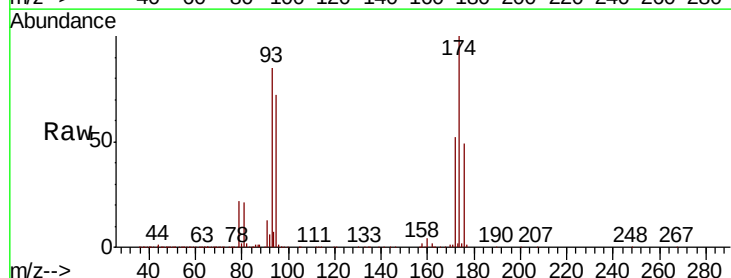
Tgt Ion: 93 Resp: 218125

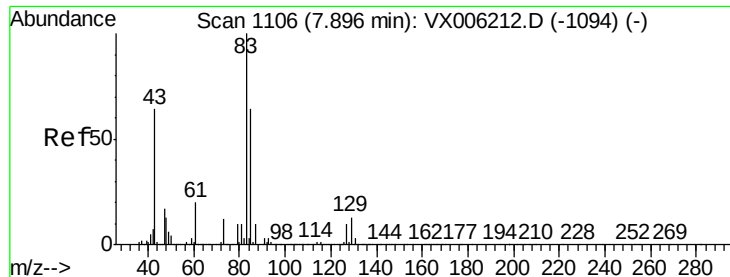
Ion Ratio Lower Upper

93 100

95 83.4 66.2 99.4

174 114.8 97.2 145.8





#47

Bromodichloromethane

Concen: 50.712 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VX006461.D

Acq: 12 Dec 2018 22:52

Instrument :

MSVOA_X

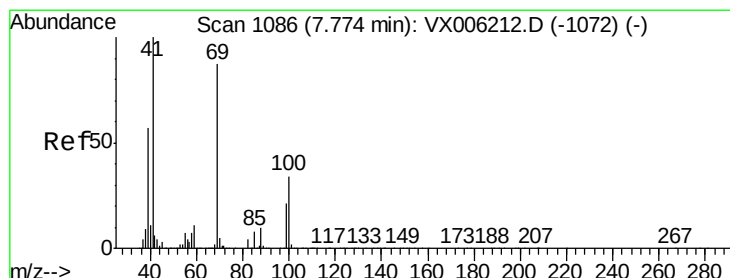
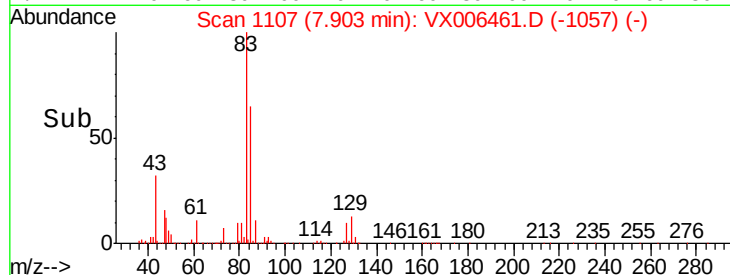
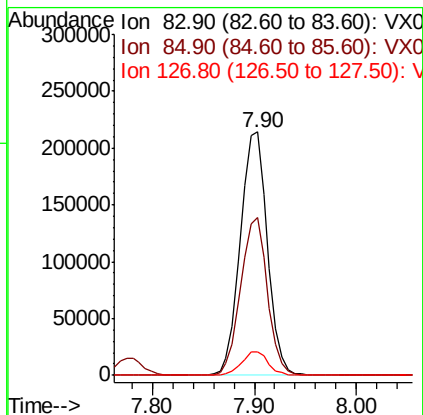
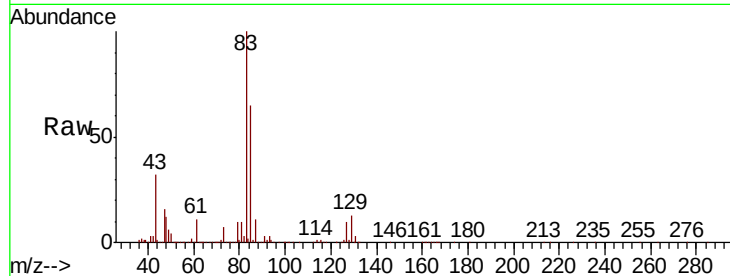
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	393660
Ion Ratio	Lower	Upper	
83	100		
85	64.6	51.4	77.0
127	9.7	7.9	11.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 51.163 ug/l

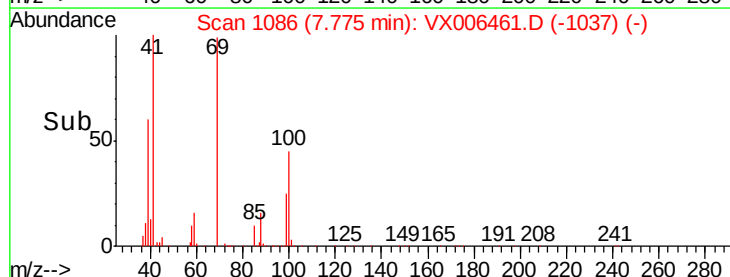
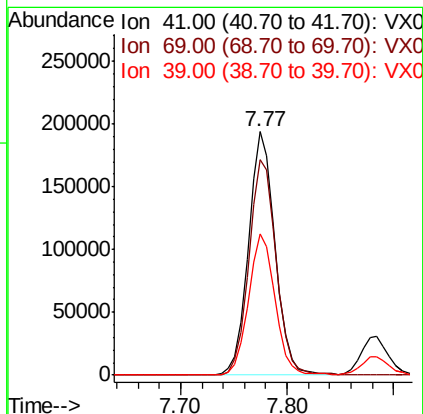
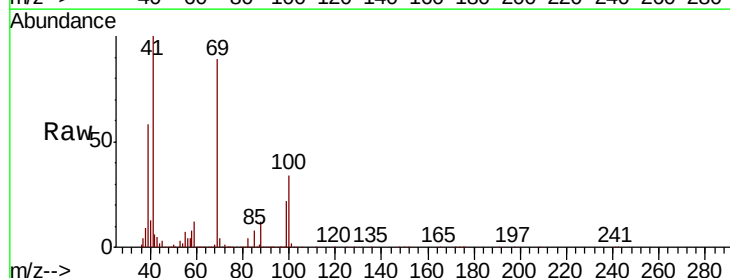
RT: 7.77 min Scan# 1086

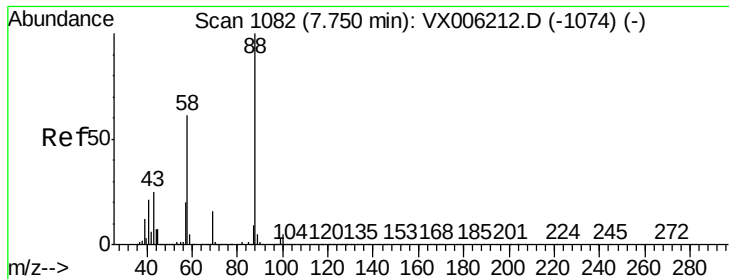
Delta R.T. 0.00 min

Lab File: VX006461.D

Acq: 12 Dec 2018 22:52

Tgt Ion:	41	Resp:	338860
Ion Ratio	Lower	Upper	
41	100		
69	91.0	70.3	105.5
39	57.8	45.3	67.9





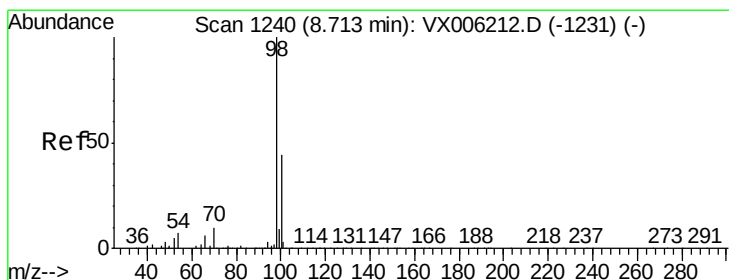
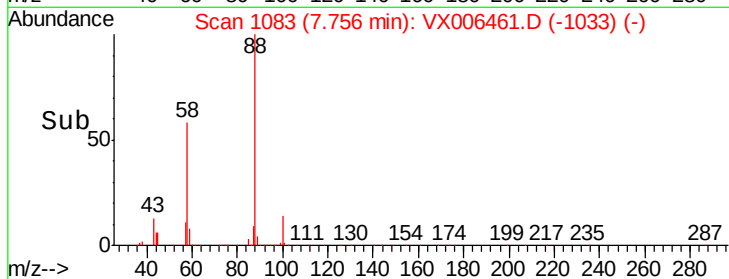
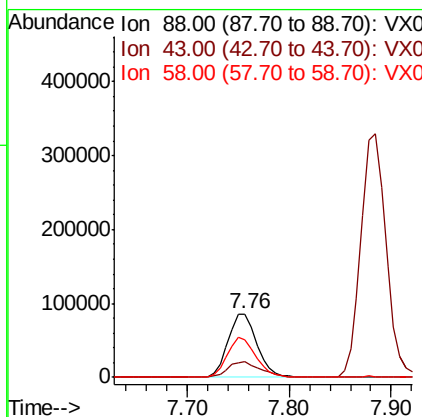
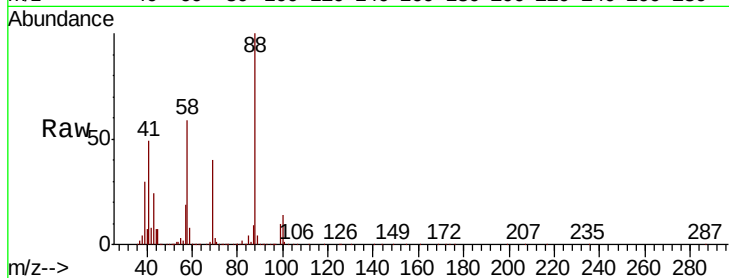
#49
1,4-Dioxane
Concen: 1034.229 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.01 min
Lab File: VX006461.D
Acq: 12 Dec 2018 22:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.6	23.2	34.8
58	62.5	51.4	77.0

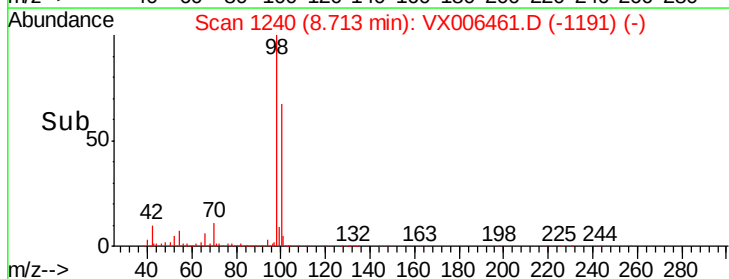
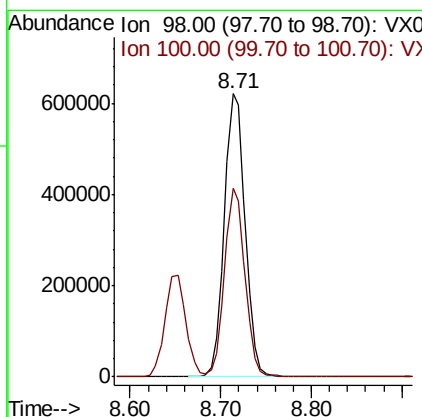
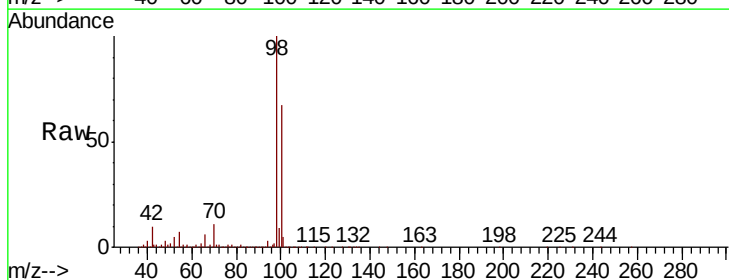
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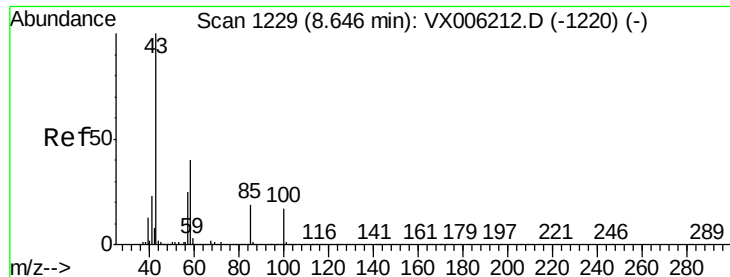
MMDadoda
12/13/2018 11:05:32 AM



#50
Toluene-d8
Concen: 48.532 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX006461.D
Acq: 12 Dec 2018 22:52

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 256.505 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX006461.D

Acq: 12 Dec 2018 22:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2032904

Ion Ratio Lower Upper

43 100

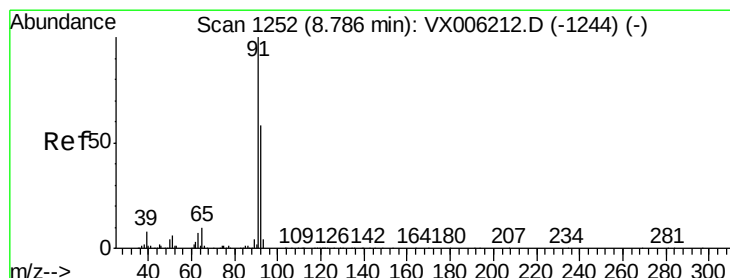
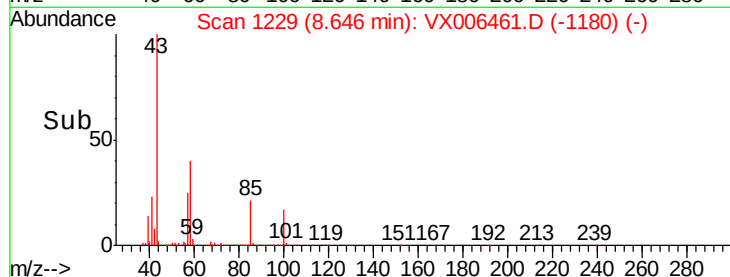
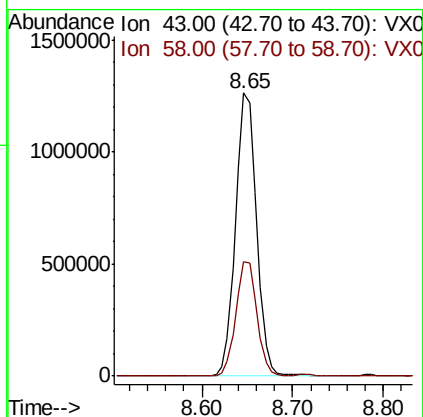
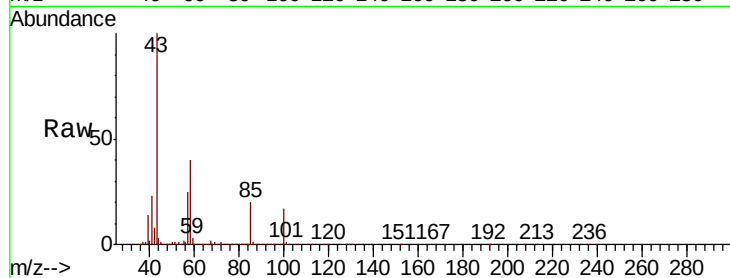
58 40.6 31.3 46.9

Manual Integrations

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#52

Toluene

Concen: 56.106 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX006461.D

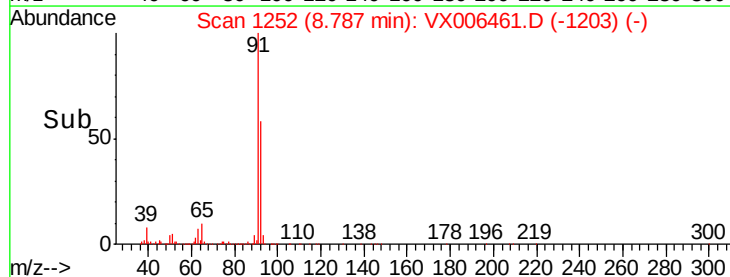
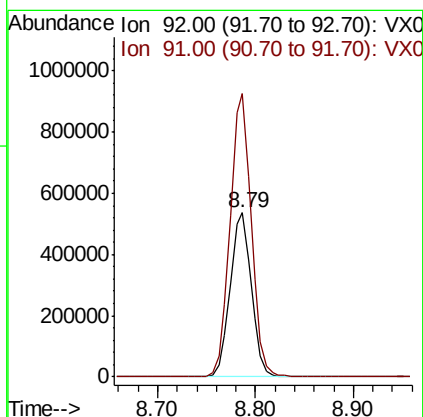
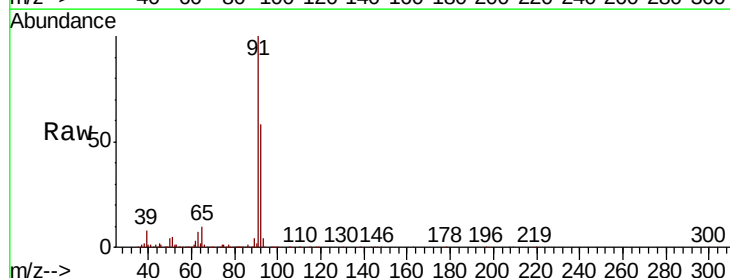
Acq: 12 Dec 2018 22:52

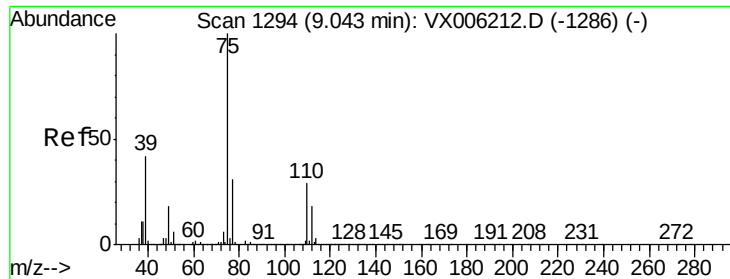
Tgt Ion: 92 Resp: 806099

Ion Ratio Lower Upper

92 100

91 172.6 139.2 208.8





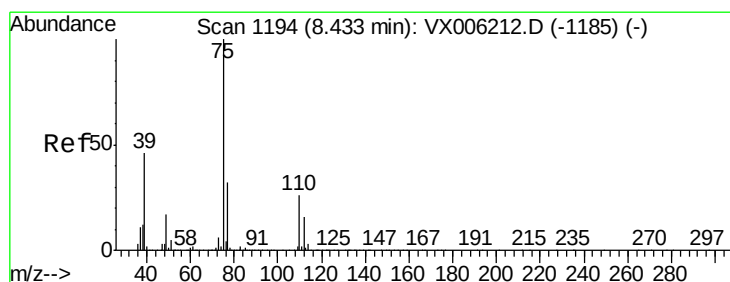
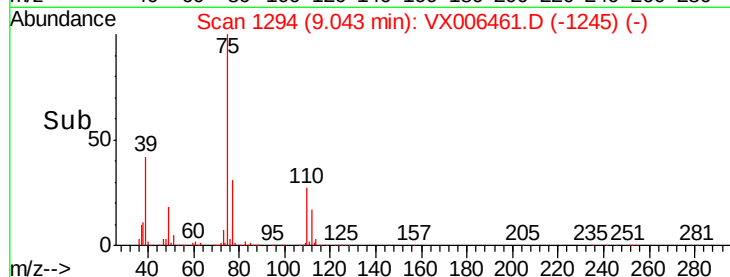
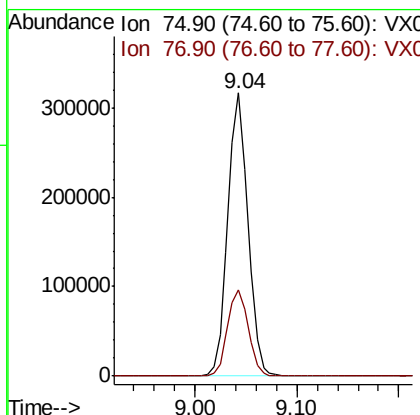
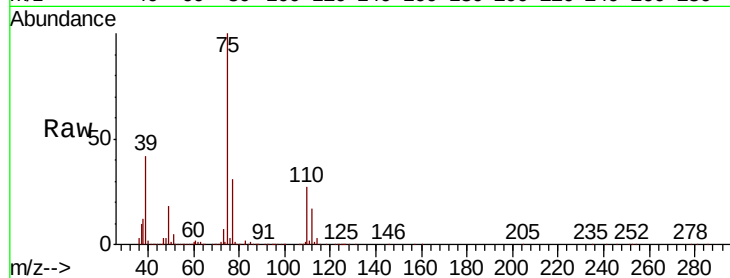
#53
t-1,3-Dichloropropene
Concen: 47.523 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX006461.D
Acq: 12 Dec 2018 22:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.5	25.0	37.4

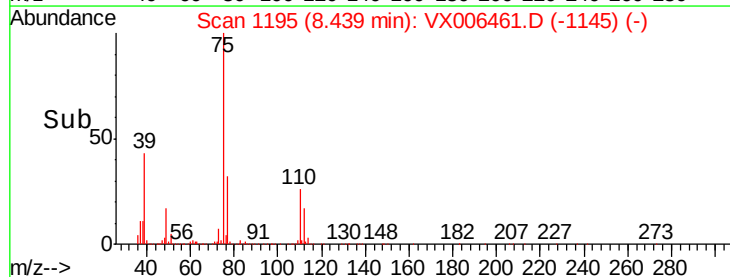
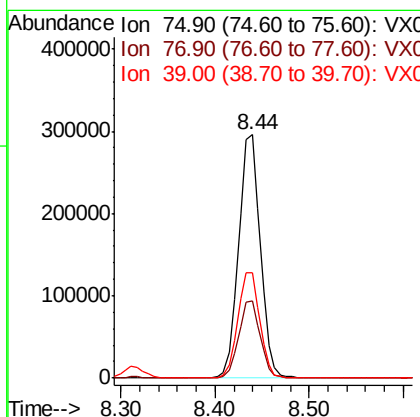
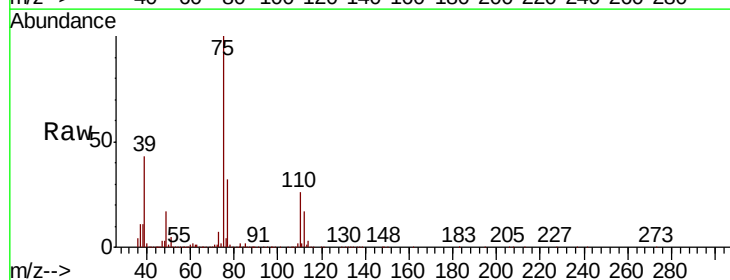
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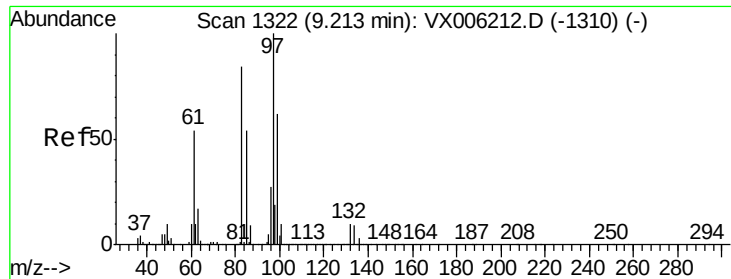
MMDadoda
12/13/2018 11:05:32 AM



#54
cis-1,3-Dichloropropene
Concen: 50.142 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. 0.01 min
Lab File: VX006461.D
Acq: 12 Dec 2018 22:52

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.6	38.4
39	43.2	36.5	54.7





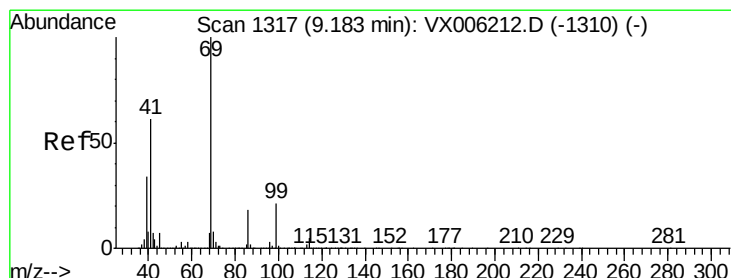
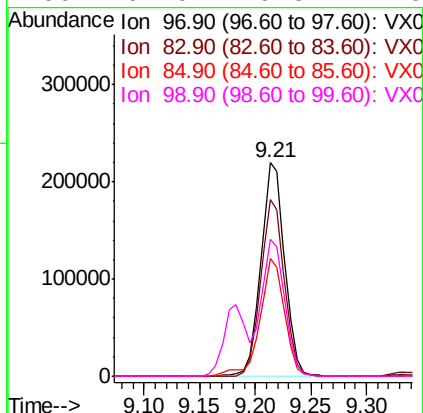
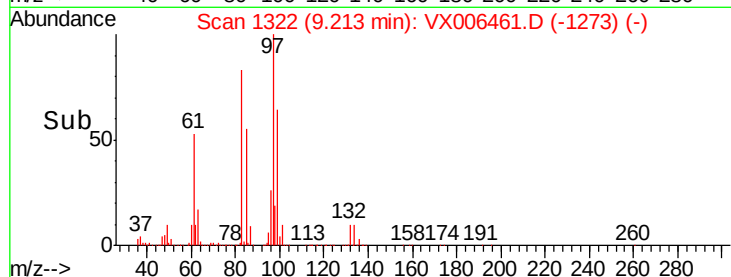
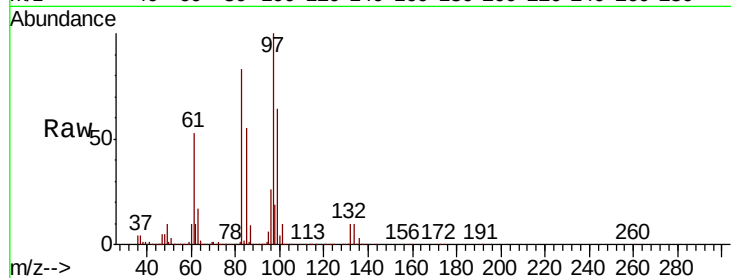
#55
 1,1,2-Trichloroethane
 Concen: 56.308 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX006461.D
 Acq: 12 Dec 2018 22:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		328665		
83	82.6	67.1	100.7		
85	55.0	43.2	64.8		
99	64.0	49.8	74.6		

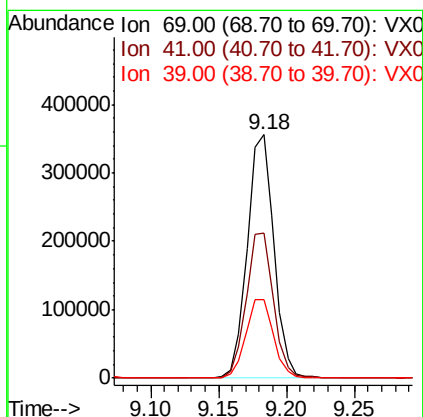
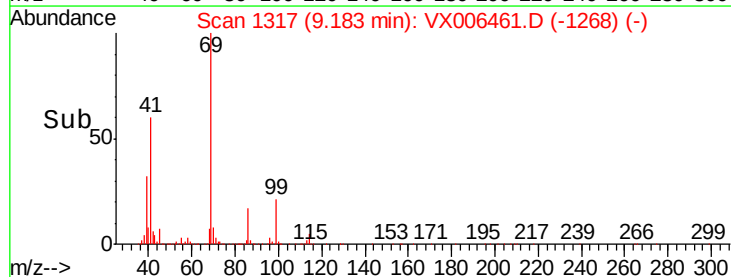
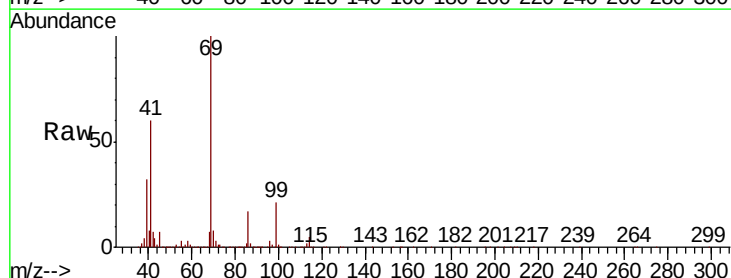
Manual Integrations
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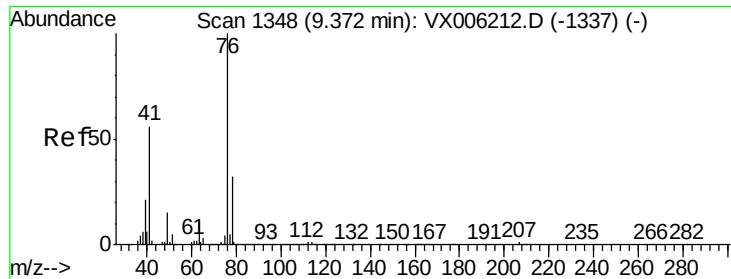
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 12/13/2018 11:05:32 AM



#56
 Ethyl methacrylate
 Concen: 53.783 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VX006461.D
 Acq: 12 Dec 2018 22:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		490766		
41	60.6	50.6	76.0		
39	33.1	27.6	41.4		





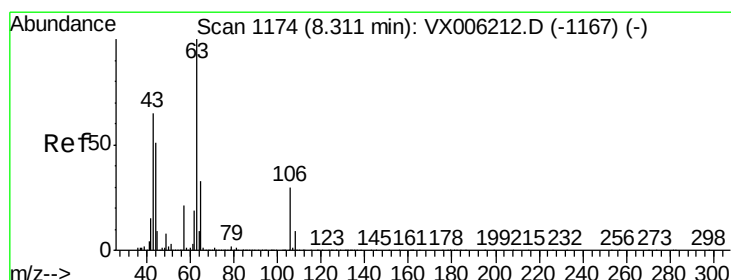
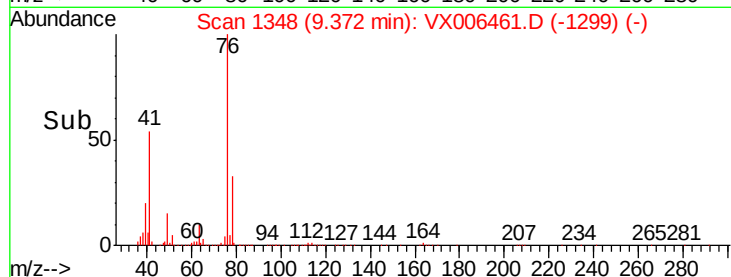
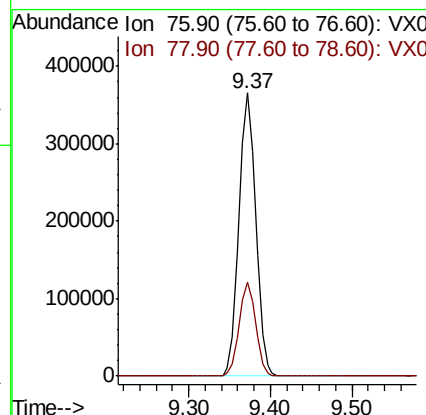
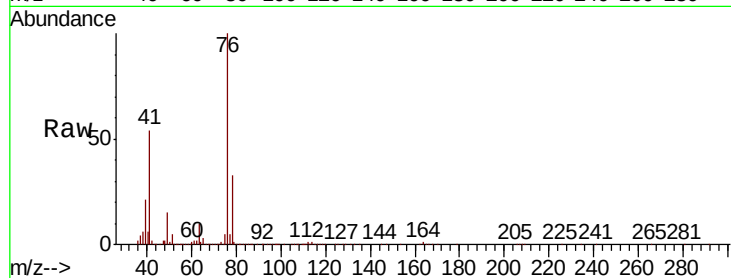
#57
 1,3-Dichloropropane
 Concen: 55.926 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX006461.D
 Acq: 12 Dec 2018 22:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	26.1	39.1

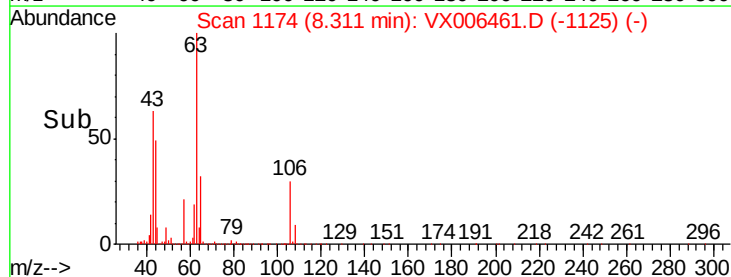
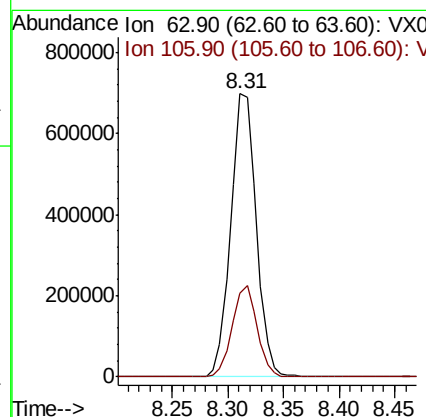
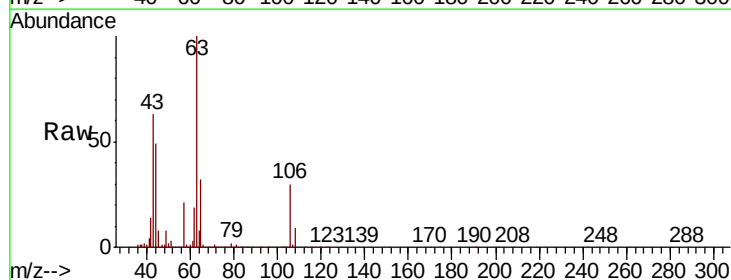
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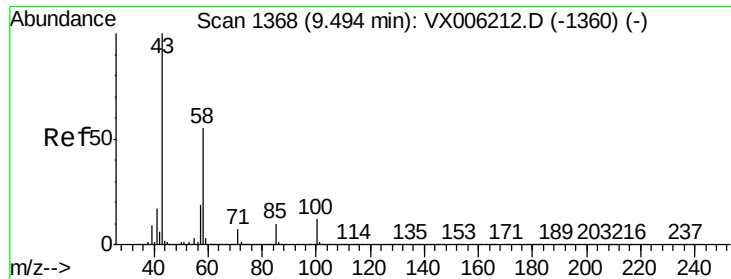
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 239.504 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX006461.D
 Acq: 12 Dec 2018 22:52

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.6	24.9	37.3





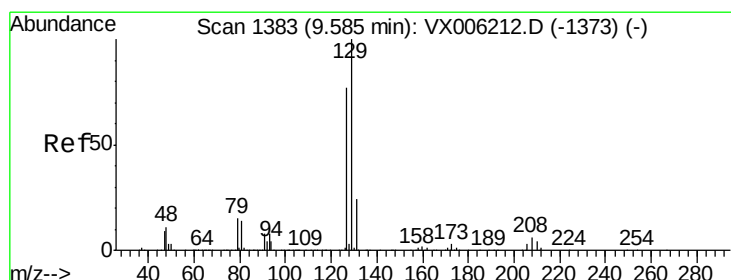
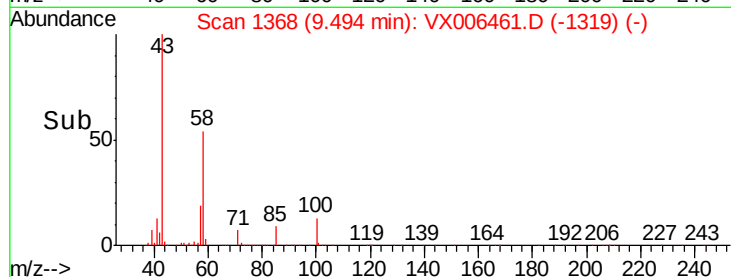
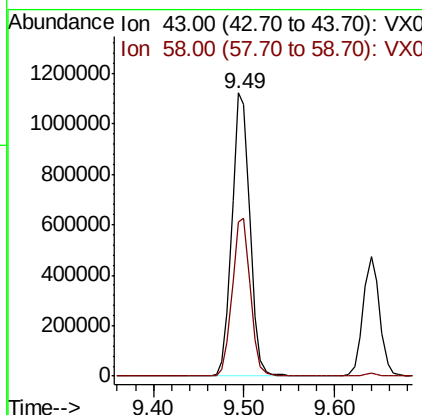
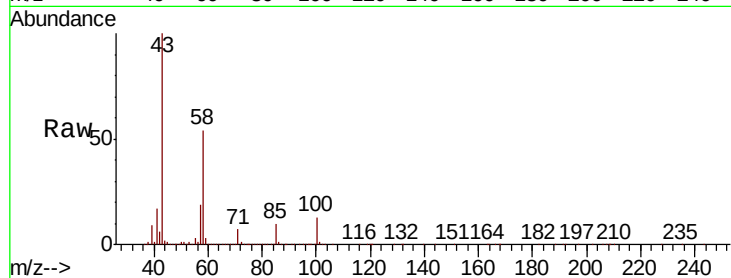
#59
2-Hexanone
Concen: 253.341 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX006461.D
Acq: 12 Dec 2018 22:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1533983
Ion Ratio Lower Upper
43 100
58 56.2 27.7 83.1

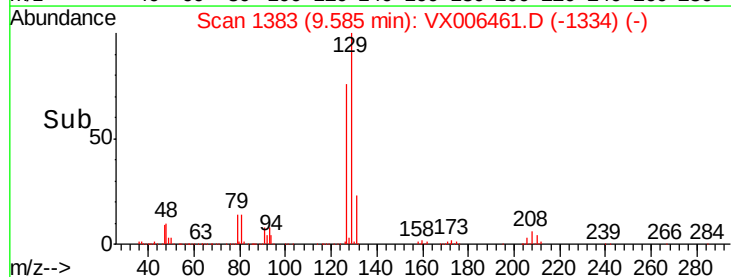
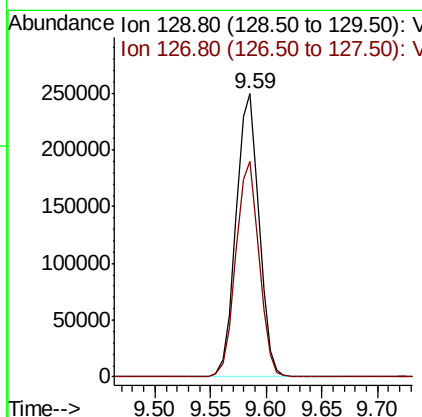
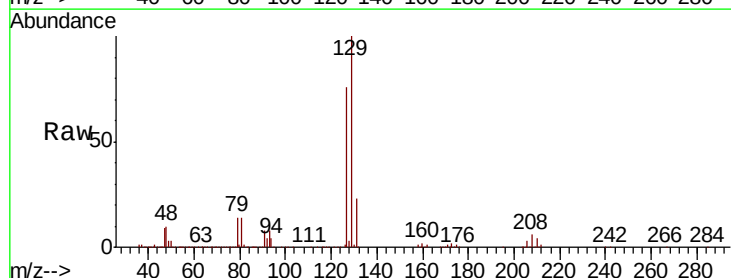
Manual Integrations
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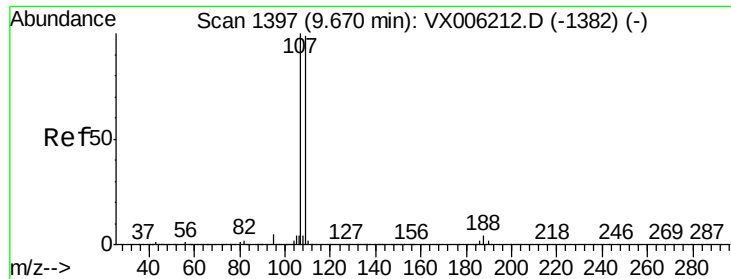
MMDadoda
12/13/2018 11:05:32 AM



#60
Dibromochloromethane
Concen: 49.618 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX006461.D
Acq: 12 Dec 2018 22:52

Tgt Ion: 129 Resp: 357122
Ion Ratio Lower Upper
129 100
127 76.9 38.6 115.8





#61

1,2-Dibromoethane

Concen: 55.779 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX006461.D

Acq: 12 Dec 2018 22:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 364044

Ion Ratio Lower Upper

107 100

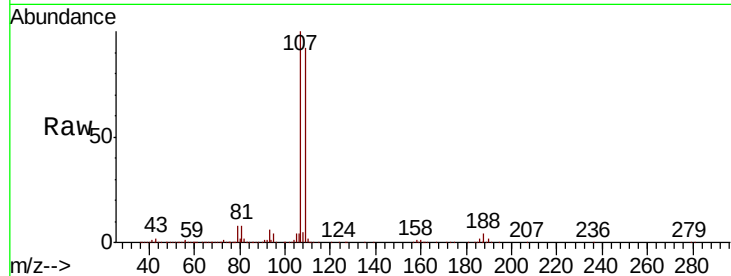
109 93.6 76.3 114.5

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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

250000

200000

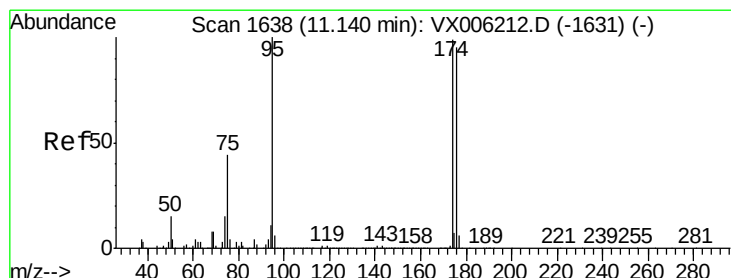
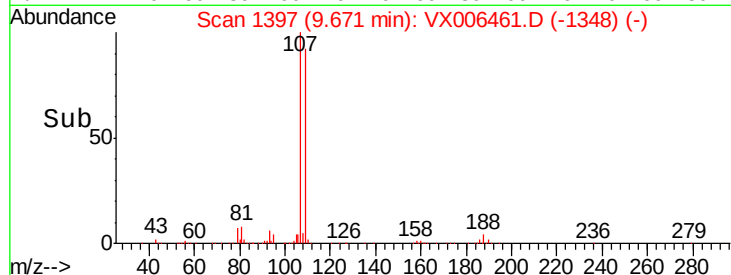
150000

100000

50000

0

Time--> 9.50 9.60 9.70 9.80



#62

4-Bromofluorobenzene

Concen: 48.951 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.01 min

Lab File: VX006461.D

Acq: 12 Dec 2018 22:52

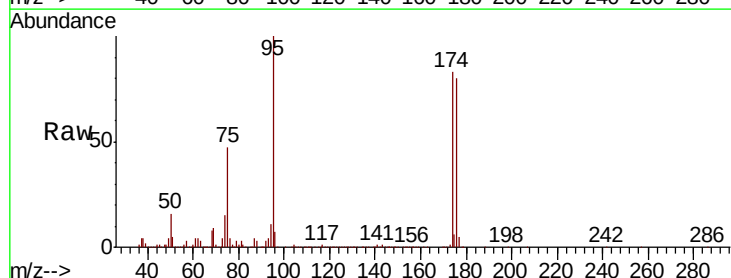
Tgt Ion: 95 Resp: 376152

Ion Ratio Lower Upper

95 100

174 91.9 0.0 187.0

176 88.9 0.0 181.8



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

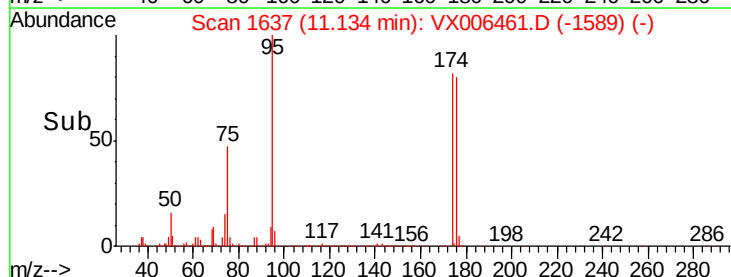
300000

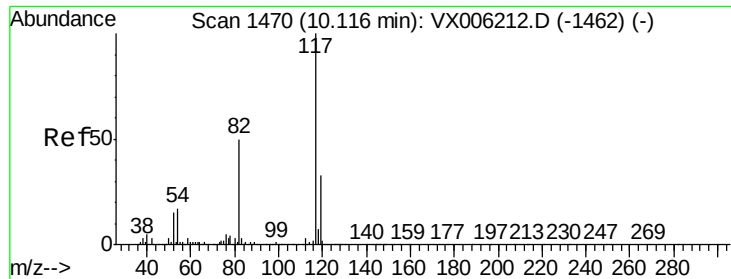
200000

100000

0

Time--> 11.10 11.20





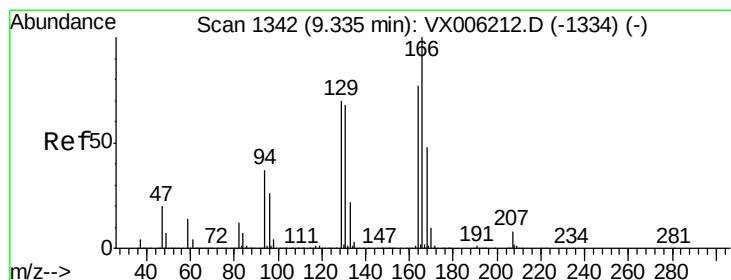
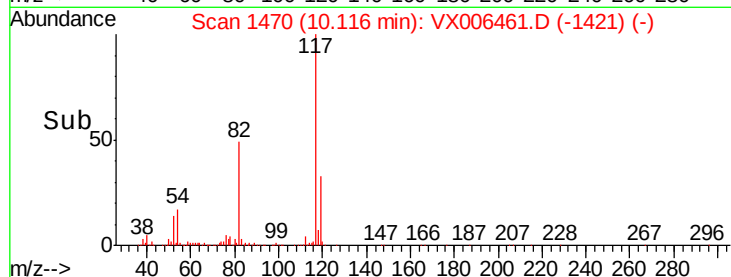
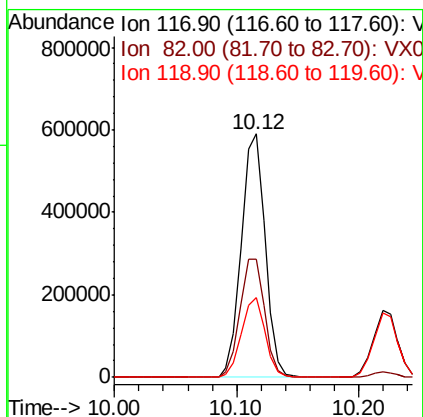
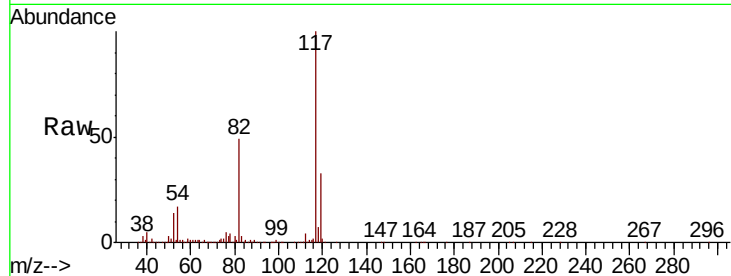
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX006461.D
Acq: 12 Dec 2018 22:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	798244		
82	48.7		39.6	59.4
119	32.6		26.3	39.5

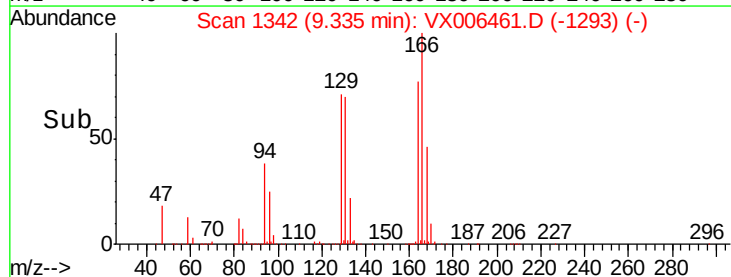
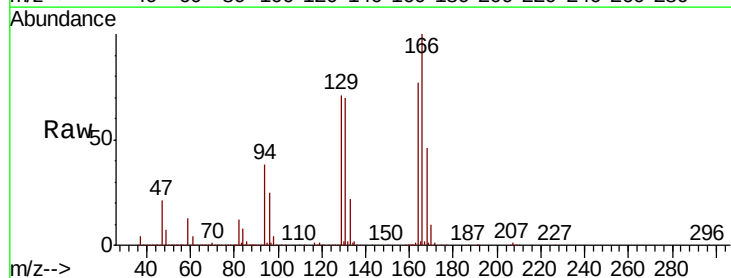
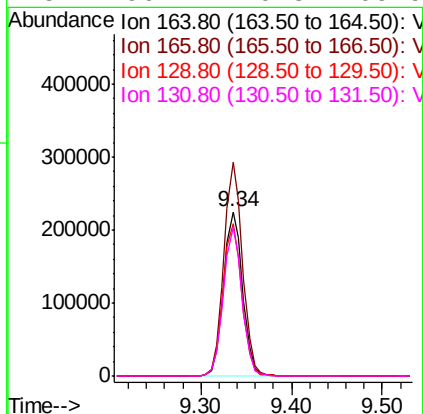
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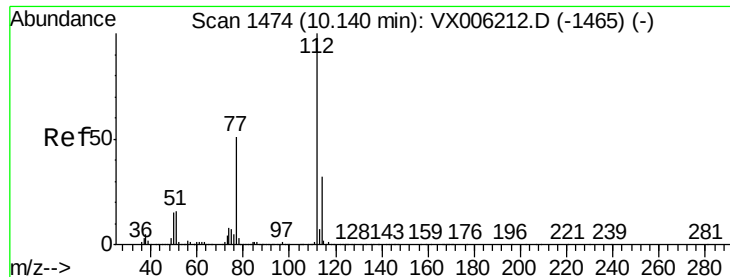
MMDadoda
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#64
Tetrachloroethene
Concen: 54.545 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX006461.D
Acq: 12 Dec 2018 22:52

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	327900		
166	130.1		104.2	156.2
129	92.6		72.6	108.8
131	90.4		70.3	105.5





#65

Chlorobenzene

Concen: 55.037 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

Lab File: VX006461.D

Acq: 12 Dec 2018 22:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 932602

Ion Ratio Lower Upper

112 100

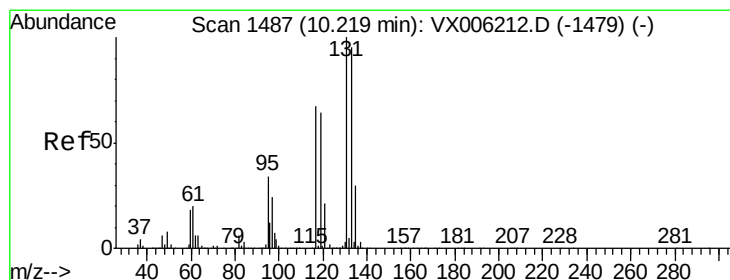
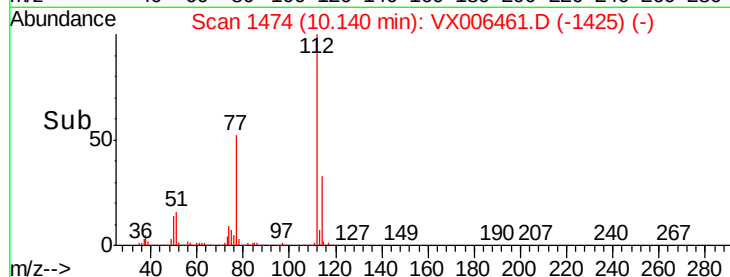
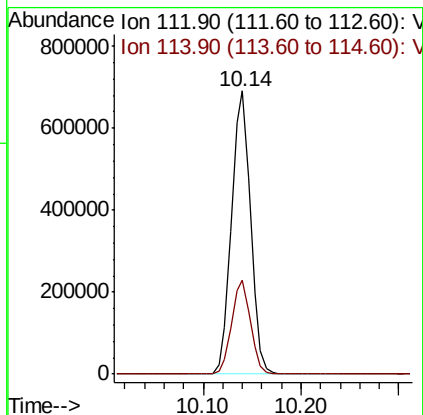
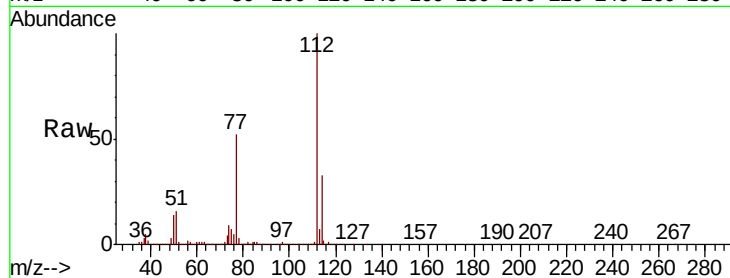
114 33.0 25.4 38.2

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#66

1,1,1,2-Tetrachloroethane

Concen: 51.569 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX006461.D

Acq: 12 Dec 2018 22:52

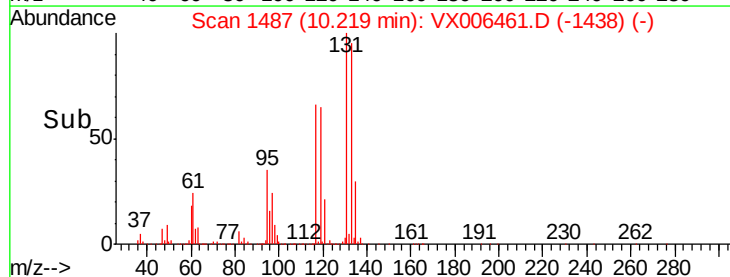
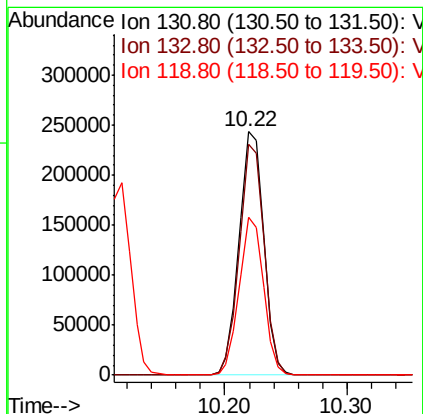
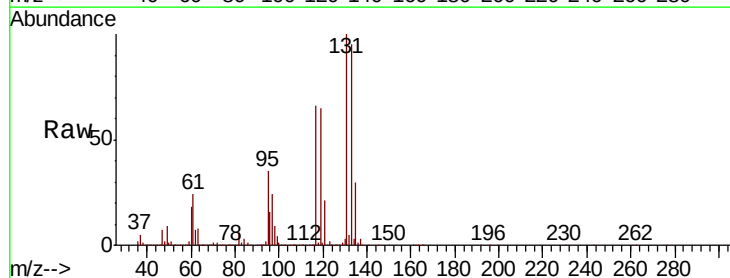
Tgt Ion:131 Resp: 339518

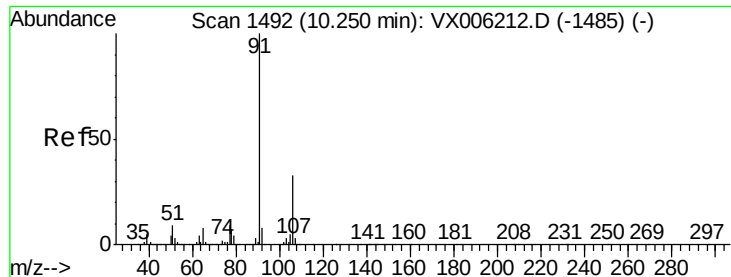
Ion Ratio Lower Upper

131 100

133 95.3 48.1 144.4

119 64.4 32.1 96.3





#67

Ethyl Benzene

Concen: 54.516 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX006461.D

Acq: 12 Dec 2018 22:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1536419

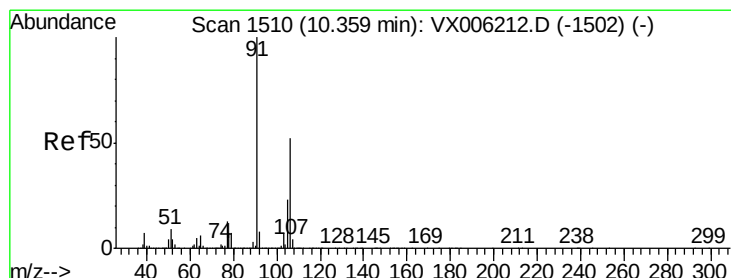
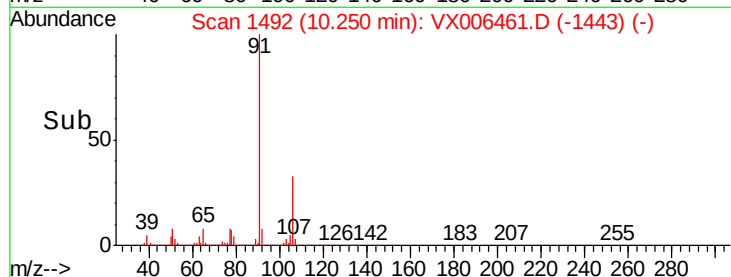
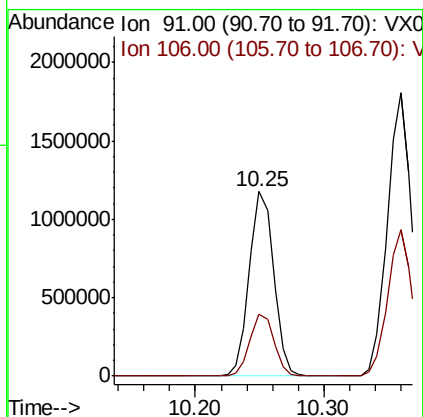
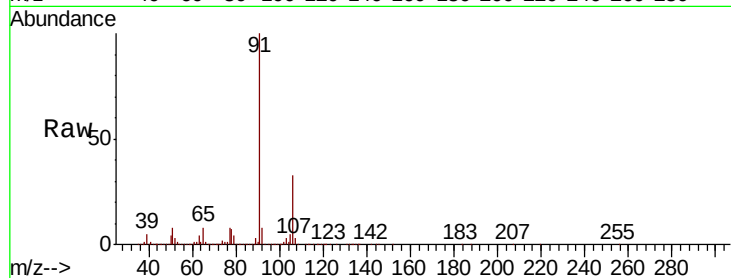
Ion Ratio Lower Upper

91 100

106 33.3 26.5 39.7

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#68

m/p-Xylenes

Concen: 109.130 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX006461.D

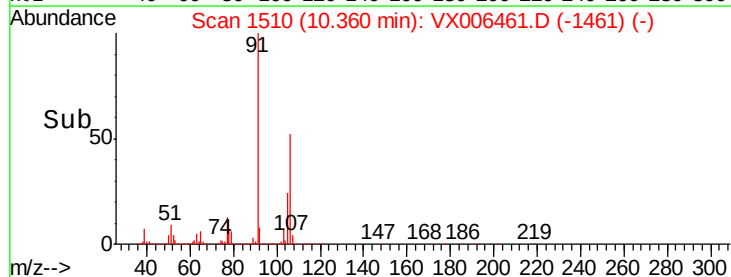
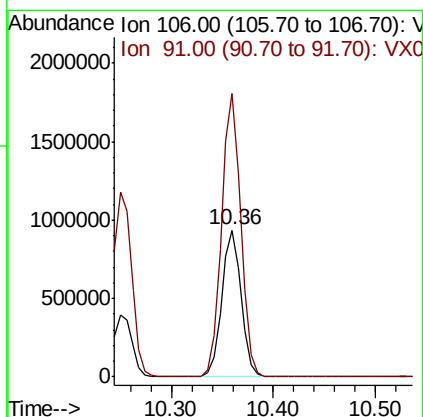
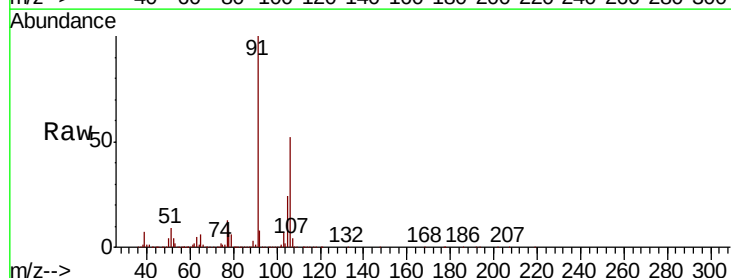
Acq: 12 Dec 2018 22:52

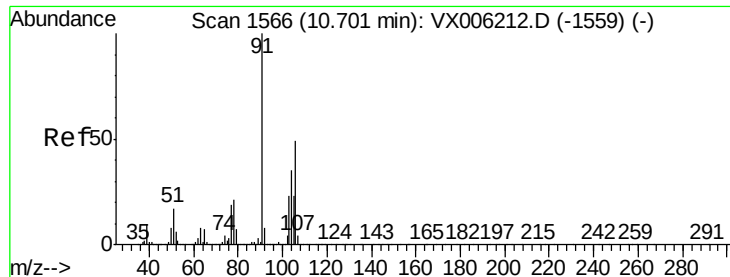
Tgt Ion: 106 Resp: 1231989

Ion Ratio Lower Upper

106 100

91 192.3 155.2 232.8





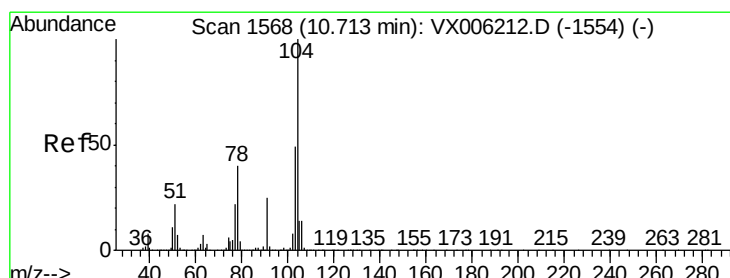
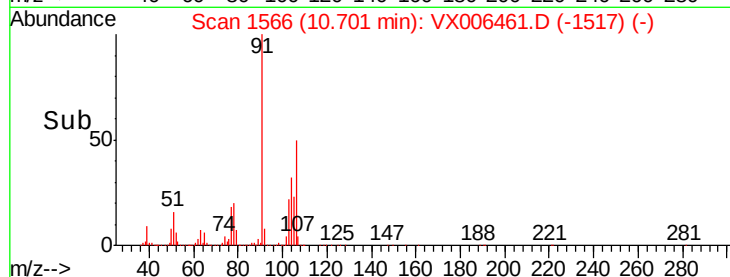
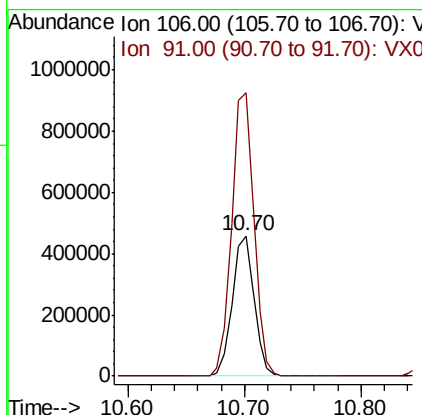
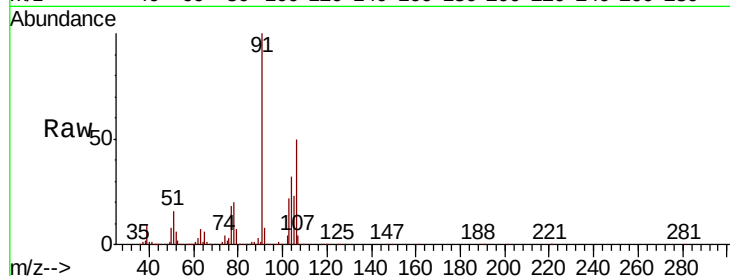
#69
o-Xylene
Concen: 53.856 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX006461.D
Acq: 12 Dec 2018 22:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	205.6	101.8	305.6

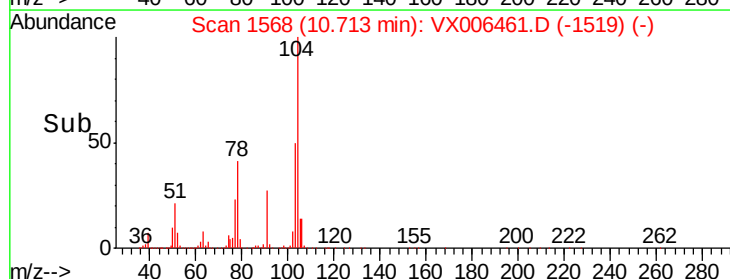
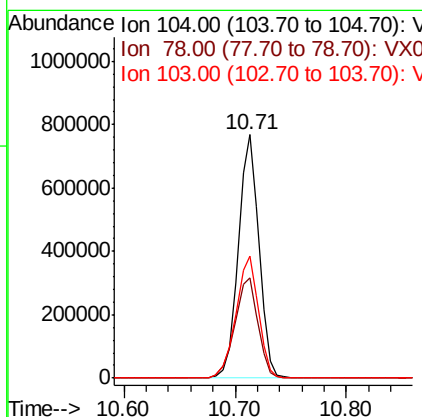
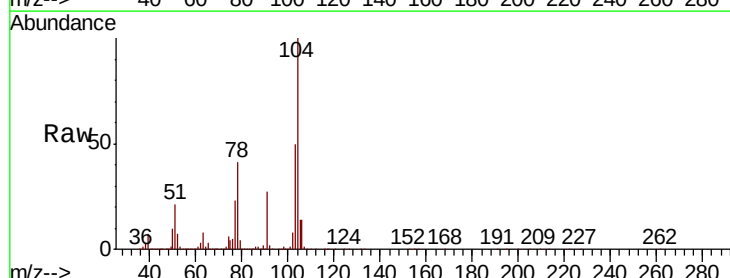
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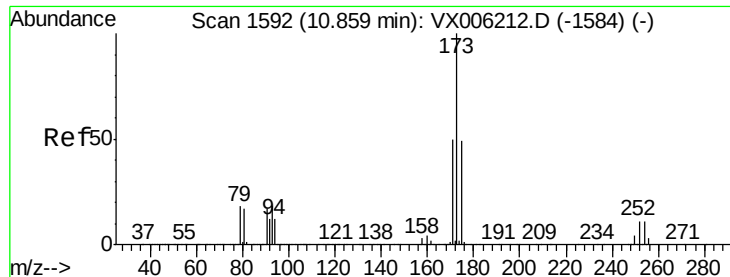
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#70
Styrene
Concen: 54.130 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX006461.D
Acq: 12 Dec 2018 22:52

Tgt Ion	Ratio	Lower	Upper
104	100		
78	46.7	37.2	55.8
103	55.2	43.5	65.3





#71

Bromoform

Concen: 43.246 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX006461.D

Acq: 12 Dec 2018 22:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 268769

Ion Ratio Lower Upper

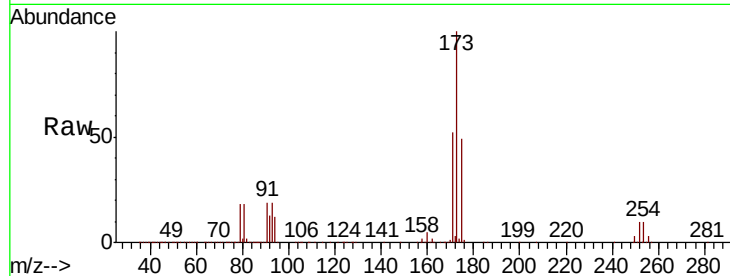
173 100

175 49.3 24.6 73.8

254 0.1 0.2 0.2#

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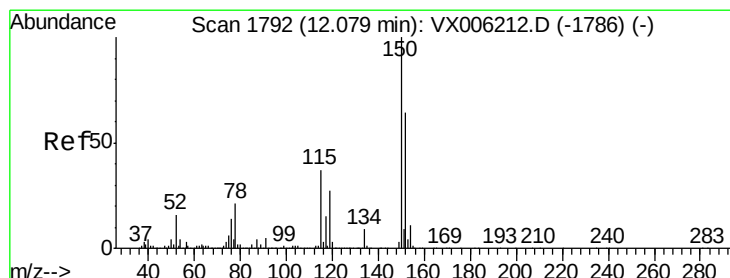
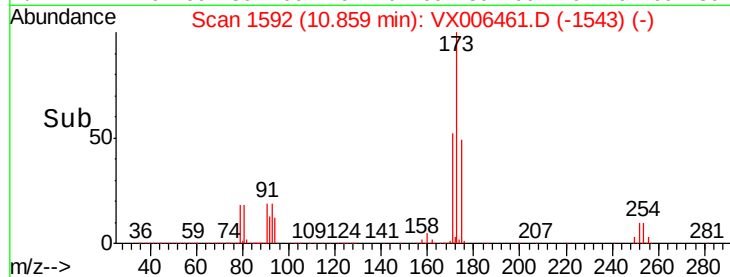
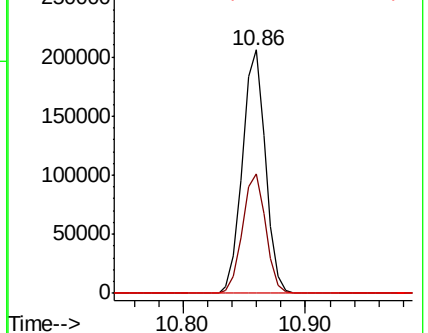
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX006461.D

Acq: 12 Dec 2018 22:52

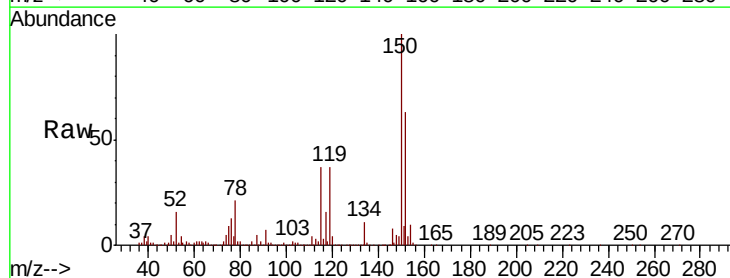
Tgt Ion:152 Resp: 408428

Ion Ratio Lower Upper

152 100

115 81.3 39.0 116.9

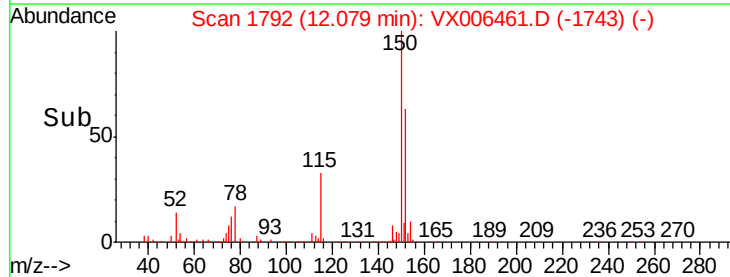
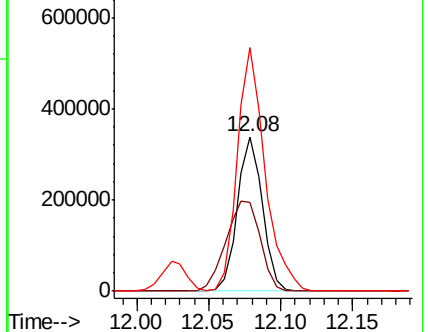
150 175.3 0.0 345.8

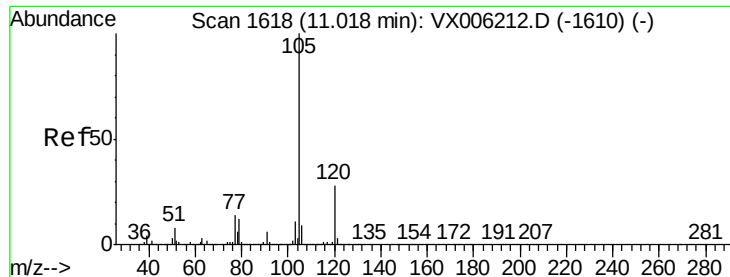


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 56.297 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX006461.D

Acq: 12 Dec 2018 22:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1587889

Ion Ratio Lower Upper

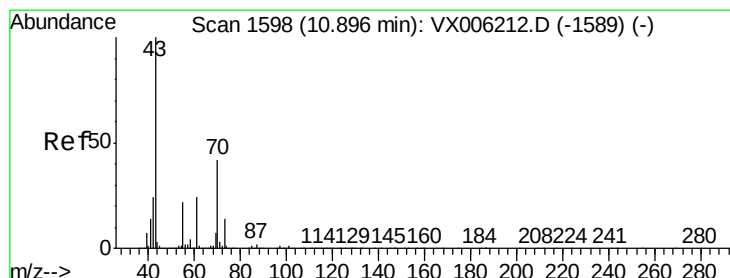
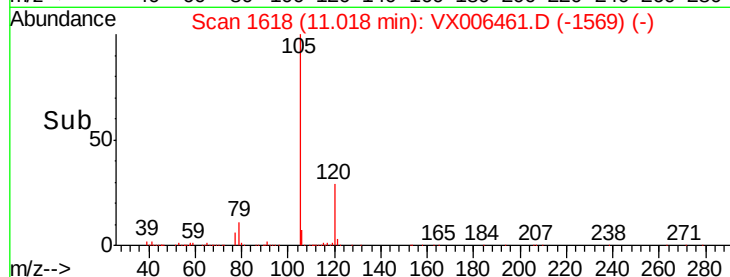
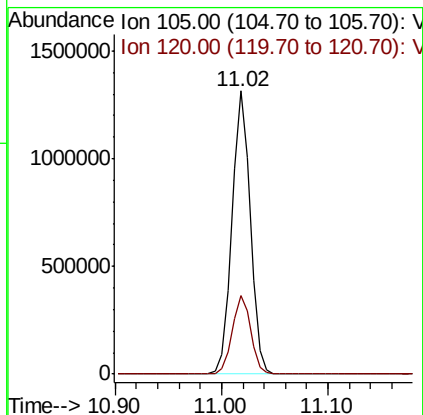
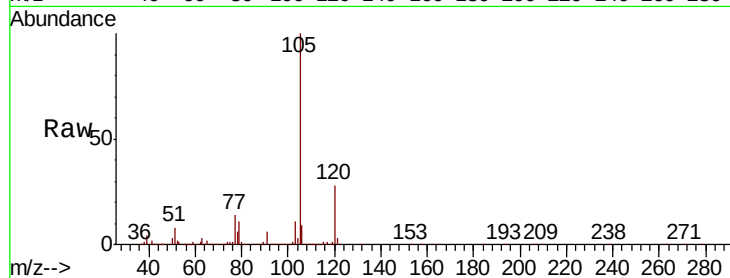
105 100

120 28.1 14.1 42.3

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#74

N-ethyl acetate

Concen: 48.960 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX006461.D

Acq: 12 Dec 2018 22:52

Tgt Ion: 43 Resp: 594667

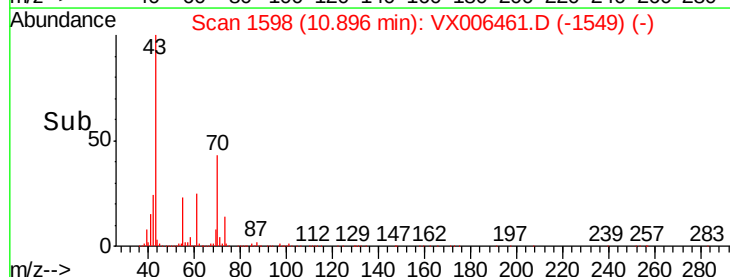
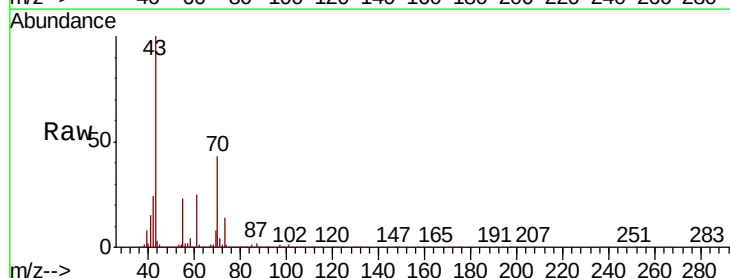
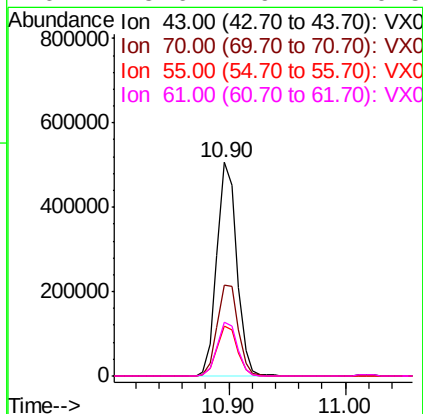
Ion Ratio Lower Upper

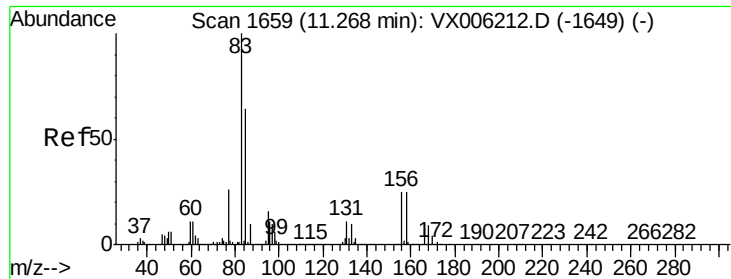
43 100

70 45.2 34.1 51.1

55 23.9 17.8 26.8

61 25.6 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 53.277 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX006461.D

Acq: 12 Dec 2018 22:52

Instrument :

MSVOA_X

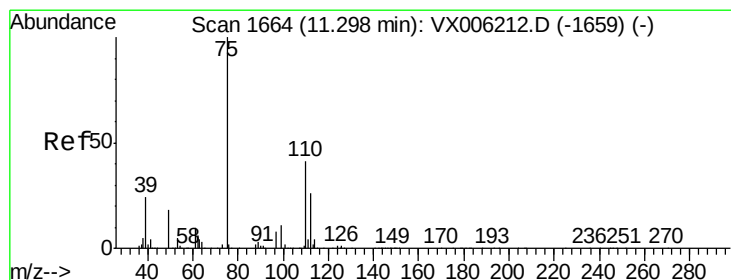
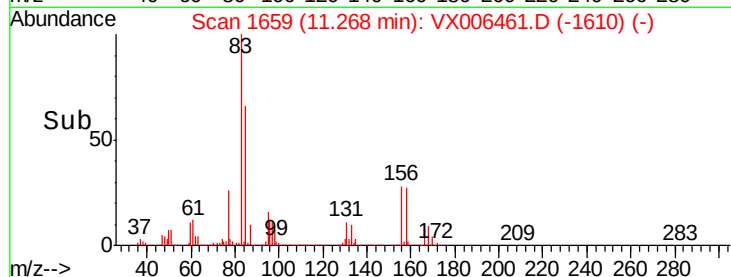
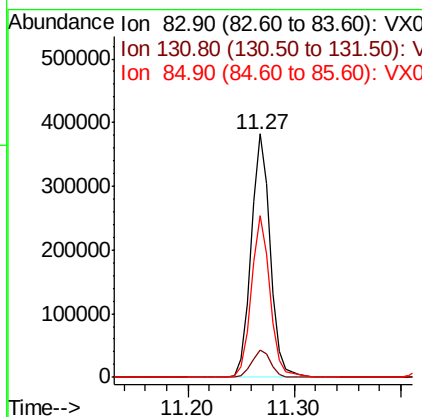
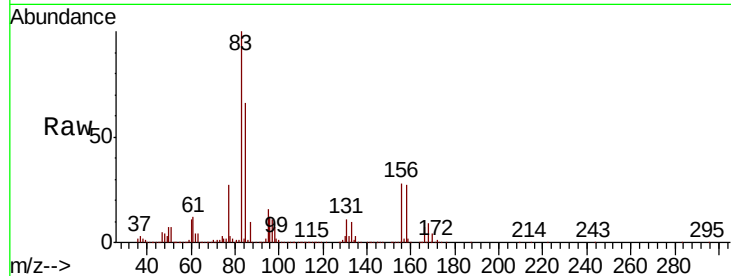
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	480751
Ion Ratio	Lower	Upper	
83	100		
131	11.4	5.7	17.1
85	64.8	32.1	96.5

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#76

1,2,3-Trichloropropane

Concen: 55.987 ug/l m

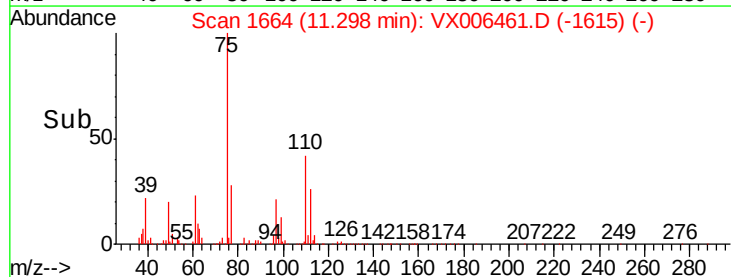
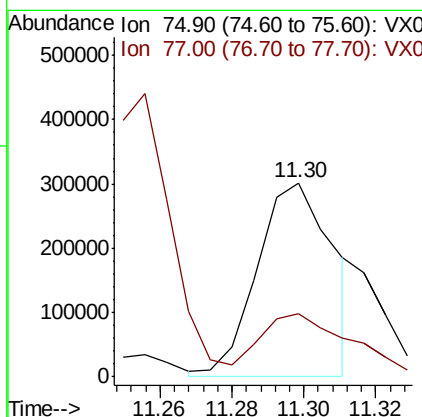
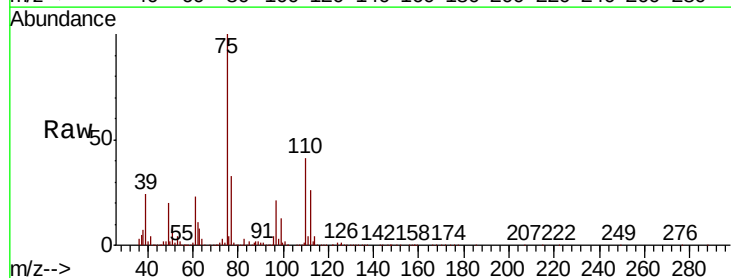
RT: 11.30 min Scan# 1664

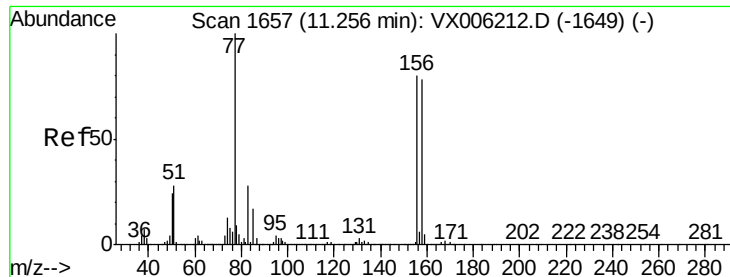
Delta R.T. 0.00 min

Lab File: VX006461.D

Acq: 12 Dec 2018 22:52

Tgt Ion:	75	Resp:	441366
Ion Ratio	Lower	Upper	
75	100		
77	39.1	19.9	59.7





#77

Bromobenzene

Concen: 55.120 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX006461.D

Acq: 12 Dec 2018 22:52

Instrument :

MSVOA_X

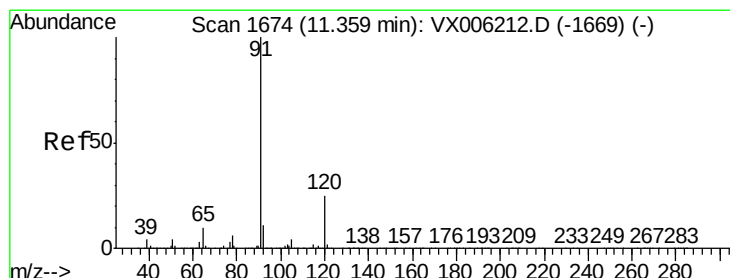
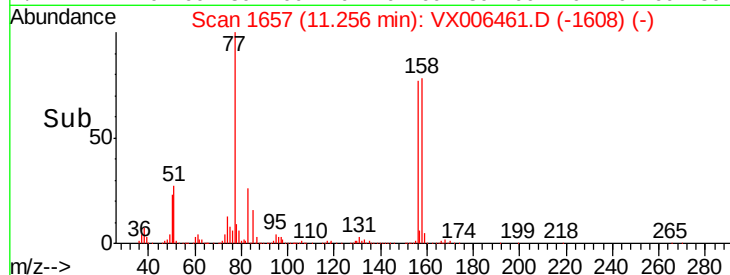
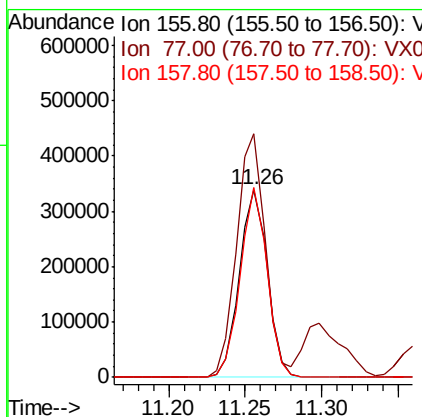
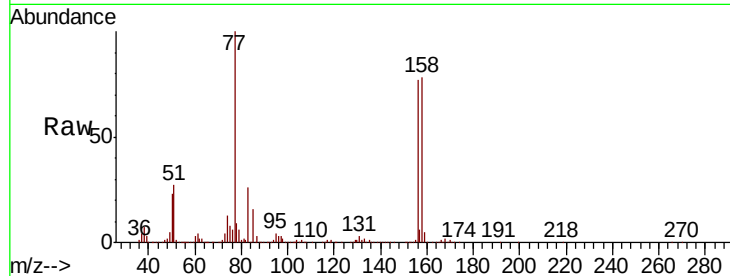
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	431452
Ion Ratio	Lower	Upper	
156	100		
77	133.0	66.2	198.6
158	96.7	48.8	146.4

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#78

n-propylbenzene

Concen: 55.878 ug/l

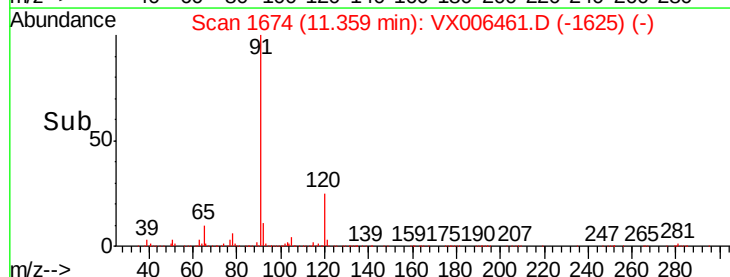
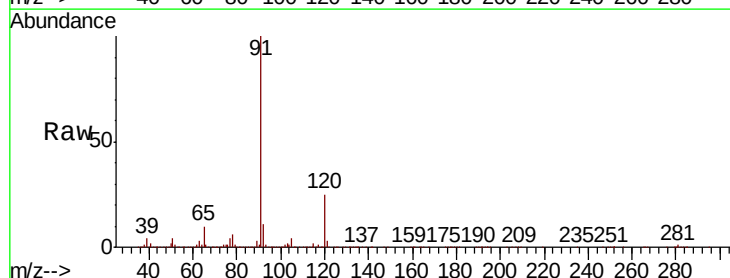
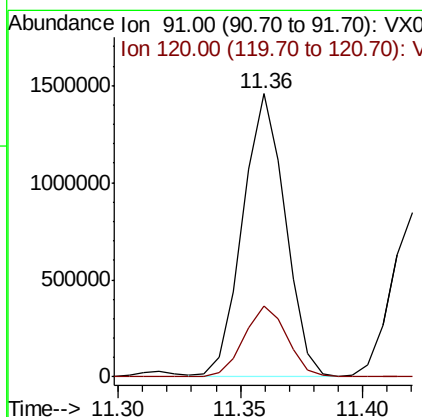
RT: 11.36 min Scan# 1674

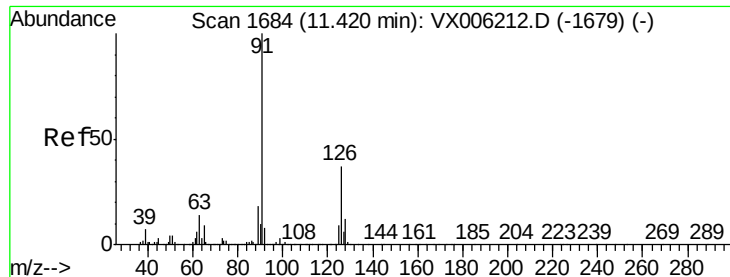
Delta R.T. 0.00 min

Lab File: VX006461.D

Acq: 12 Dec 2018 22:52

Tgt Ion:	91	Resp:	1751967
Ion Ratio	Lower	Upper	
91	100		
120	25.6	12.7	38.0





#79

2-Chlorotoluene

Concen: 55.603 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX006461.D

Acq: 12 Dec 2018 22:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1036158

Ion Ratio Lower Upper

91 100

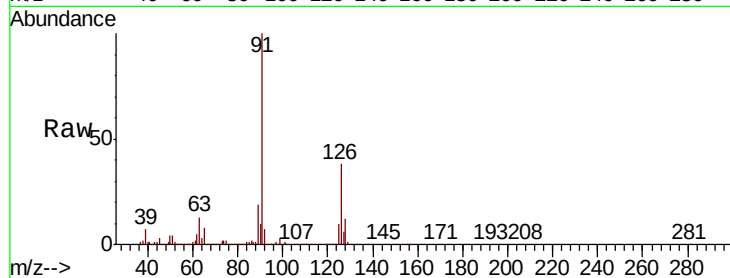
126 37.7 18.6 56.0

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX006461.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX006461.D (-1679) (-)

1500000

1000000

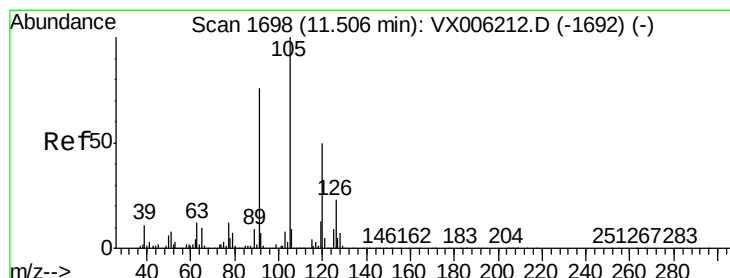
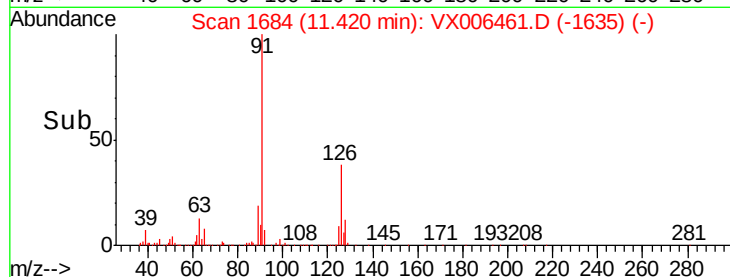
500000

0

11.42

11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 55.959 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX006461.D

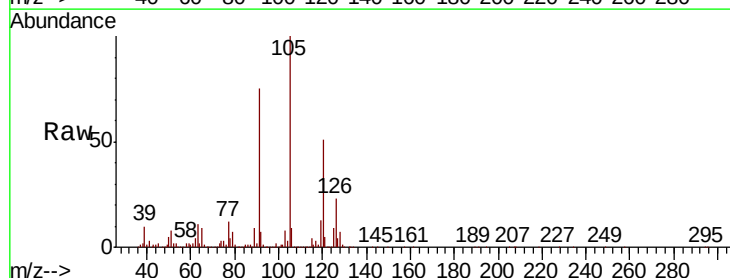
Acq: 12 Dec 2018 22:52

Tgt Ion: 105 Resp: 1313246

Ion Ratio Lower Upper

105 100

120 50.6 25.4 76.0



Abundance Ion 105.00 (104.70 to 105.70): VX006461.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX006461.D (-1692) (-)

1200000

1000000

800000

600000

400000

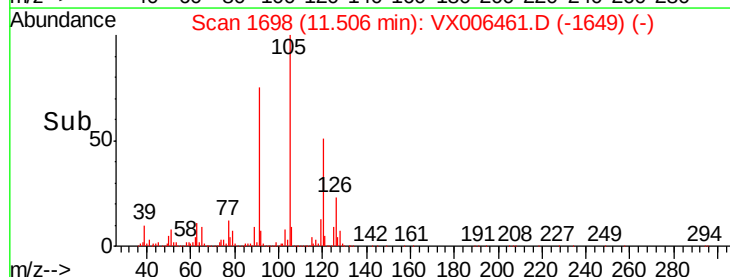
200000

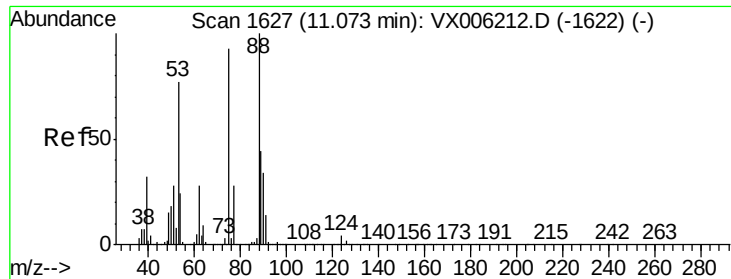
0

11.51

11.60

Time-->





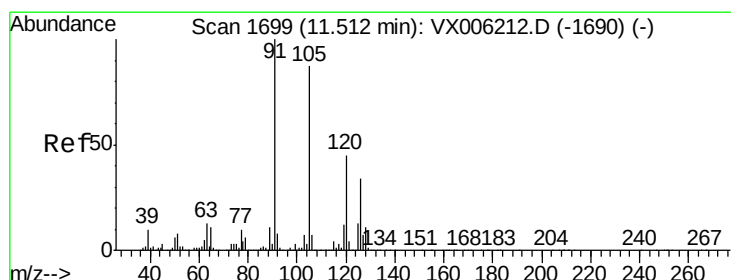
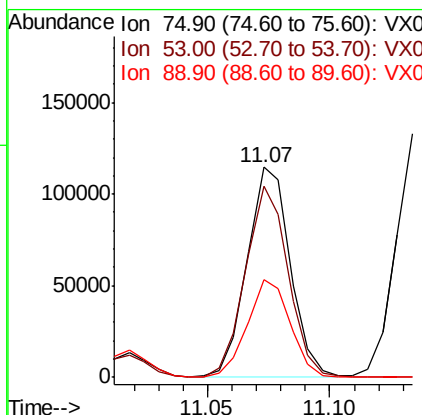
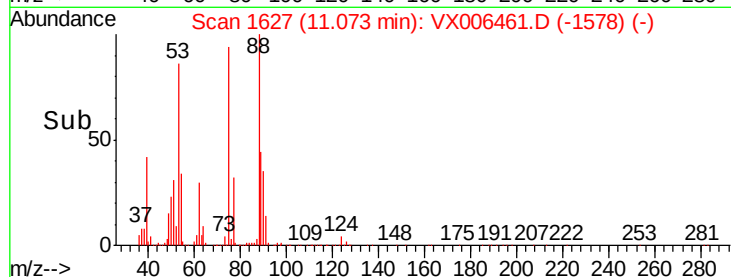
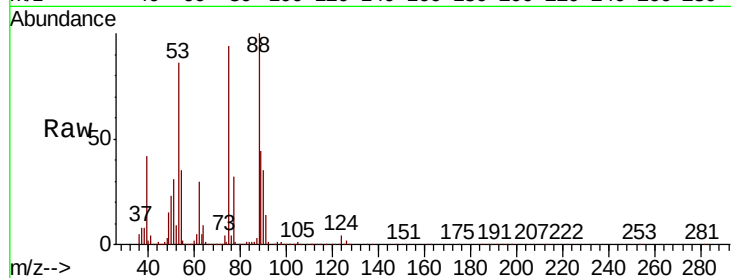
#81
trans-1,4-Dichloro-2-butene
Concen: 41.905 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX006461.D
Acq: 12 Dec 2018 22:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	89.9	64.4	96.6
89	46.1	44.2	66.4

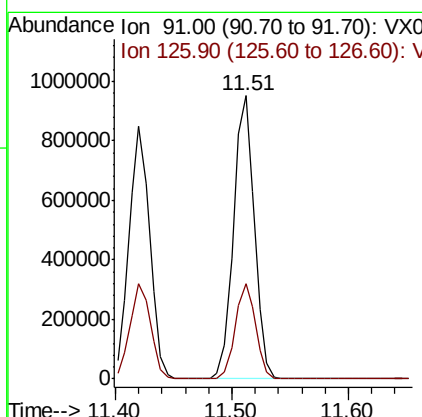
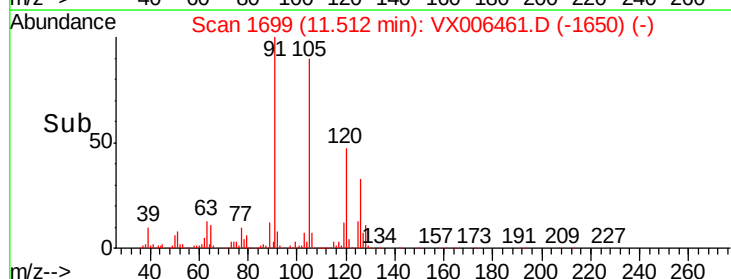
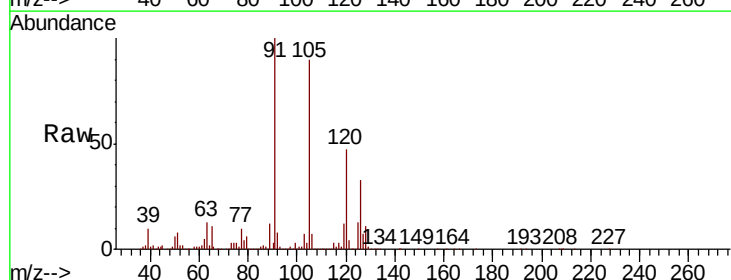
Manual Integrations
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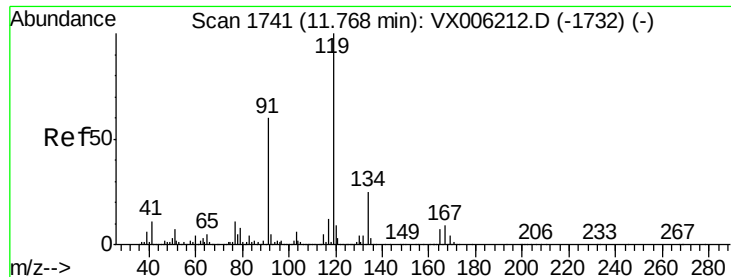
MMDadoda
12/13/2018 11:05:32 AM



#82
4-Chlorotoluene
Concen: 54.850 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX006461.D
Acq: 12 Dec 2018 22:52

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.4	49.4





#83

tert-Butylbenzene

Concen: 54.567 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX006461.D

Acq: 12 Dec 2018 22:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:119 Resp: 1366305

Ion Ratio Lower Upper

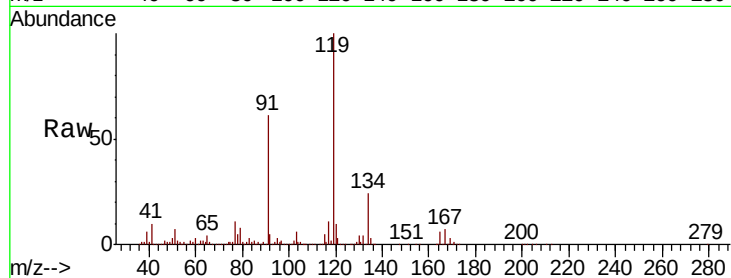
119 100

91 53.9 26.4 79.2

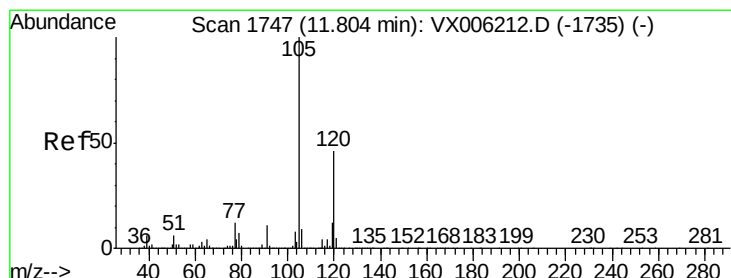
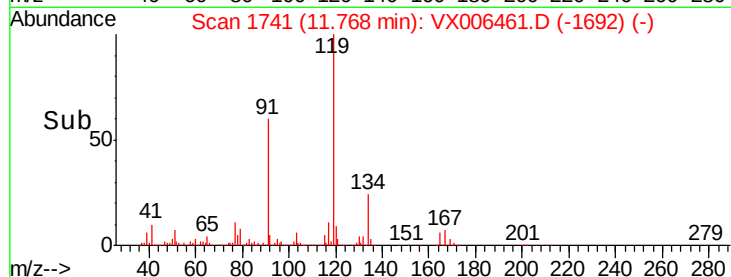
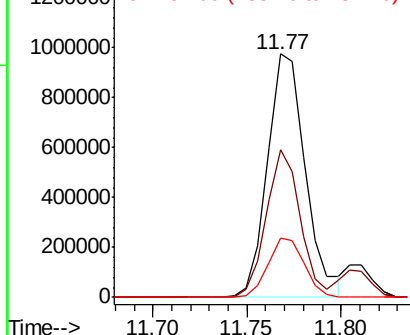
134 23.2 11.6 34.7

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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VX0
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 55.692 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX006461.D

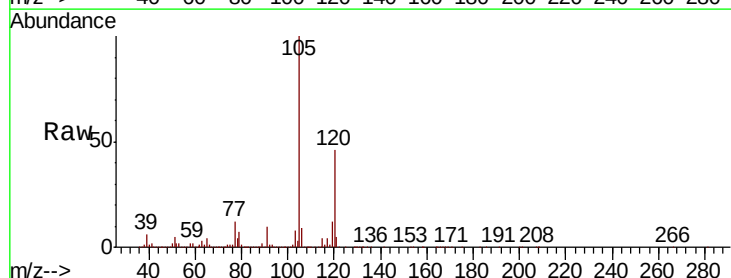
Acq: 12 Dec 2018 22:52

Tgt Ion:105 Resp: 1349554

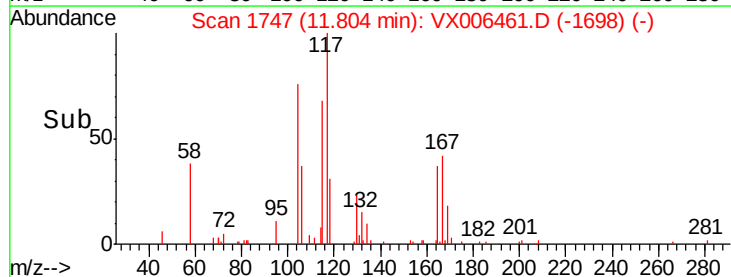
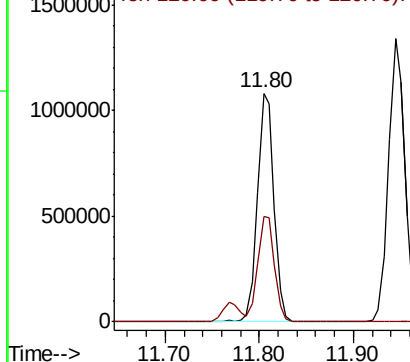
Ion Ratio Lower Upper

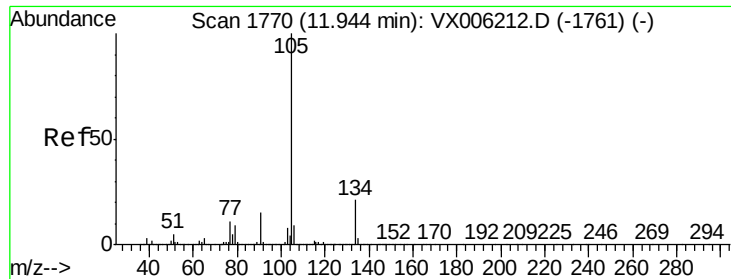
105 100

120 46.6 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 56.157 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX006461.D

Acq: 12 Dec 2018 22:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1599662

Ion Ratio Lower Upper

105 100

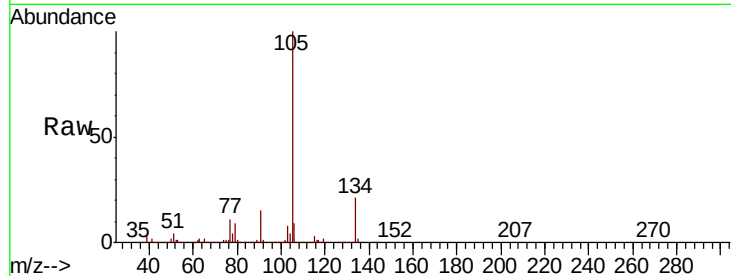
134 21.6 10.8 32.4

Manual Integrations

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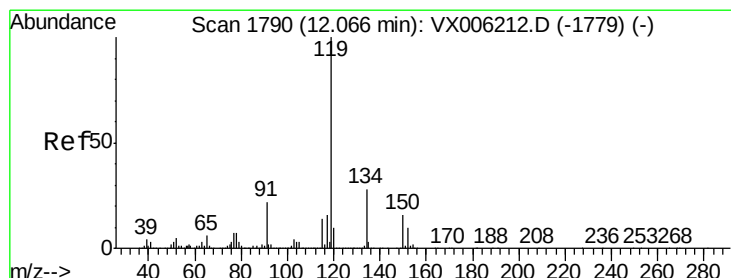
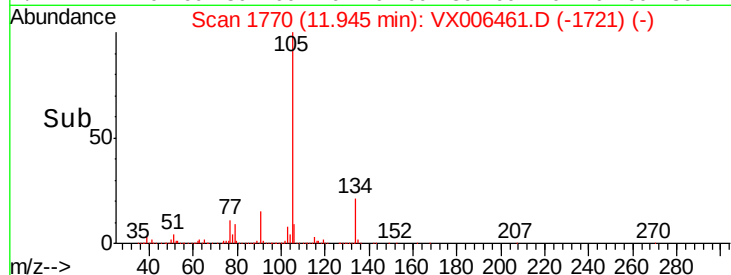
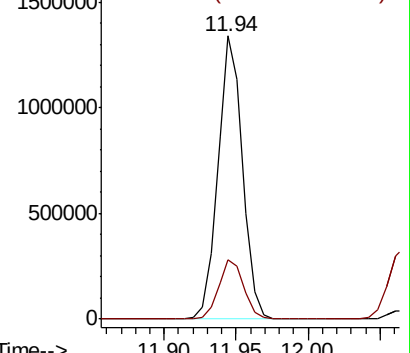
MMDadoda

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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: 55.658 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX006461.D

Acq: 12 Dec 2018 22:52

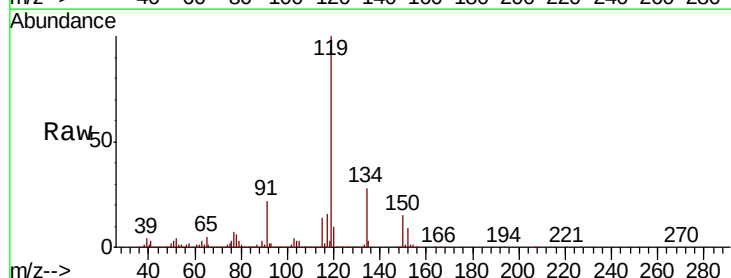
Tgt Ion:119 Resp: 1427648

Ion Ratio Lower Upper

119 100

134 27.9 13.9 41.6

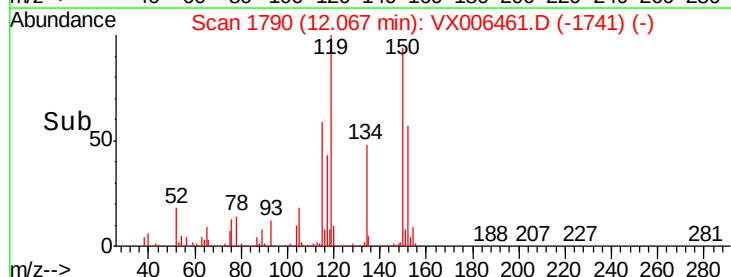
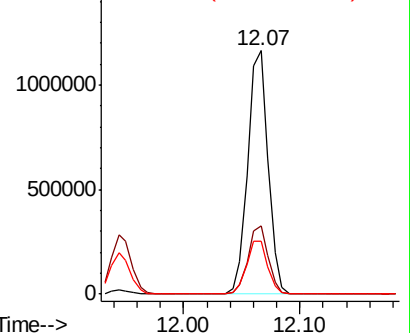
91 22.5 11.3 33.8

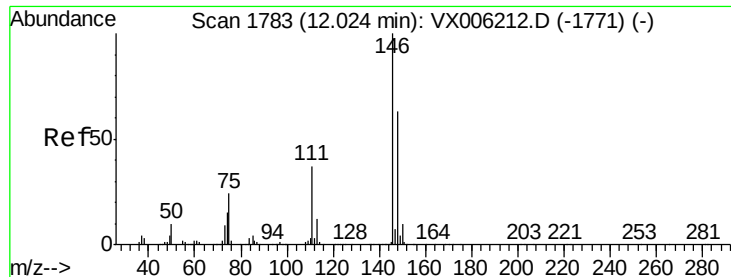


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





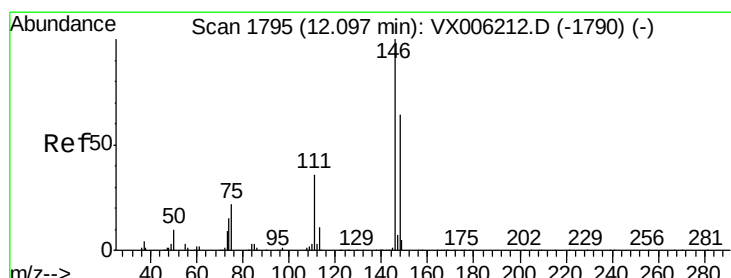
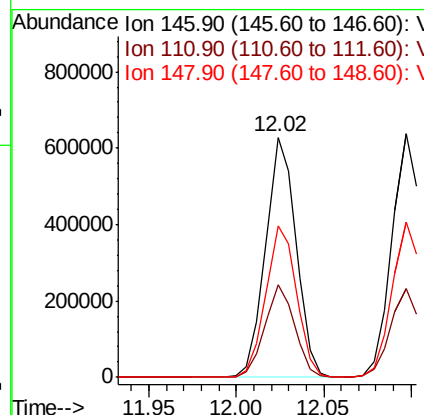
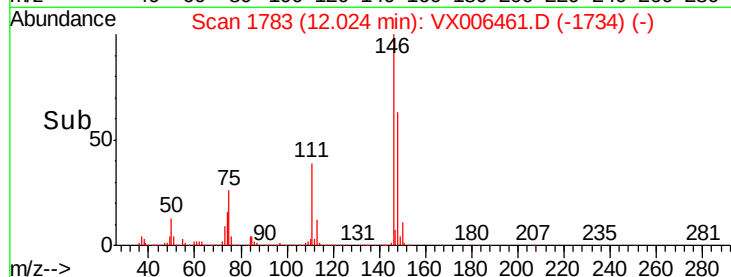
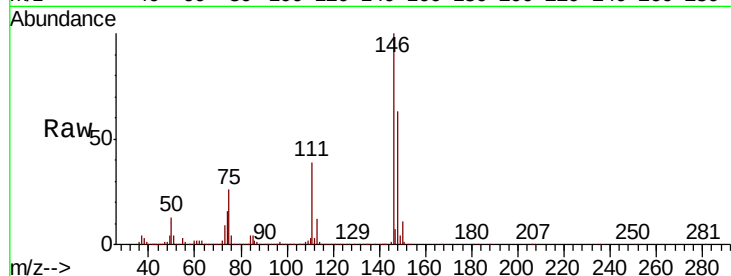
#87
 1,3-Dichlorobenzene
 Concen: 54.831 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX006461.D
 Acq: 12 Dec 2018 22:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.4	55.2
148	63.9	32.0	96.0

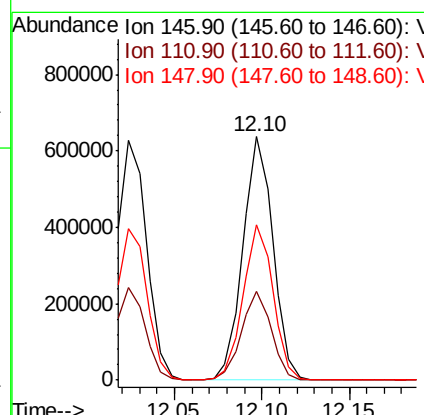
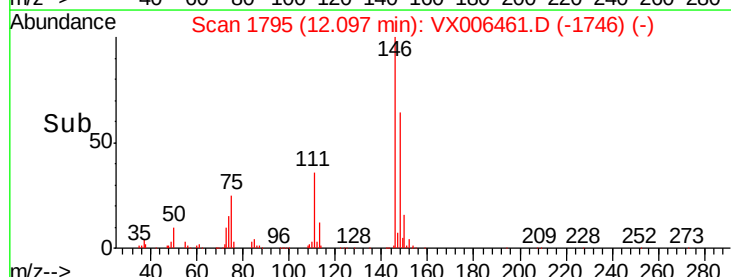
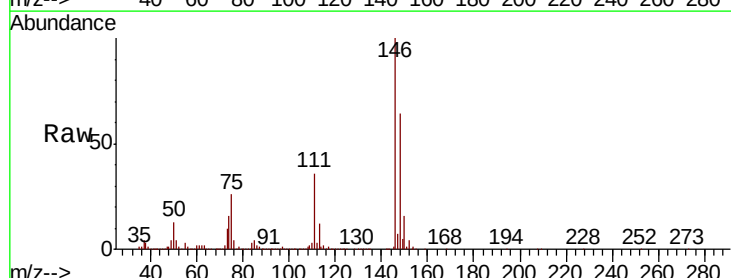
Manual Integrations
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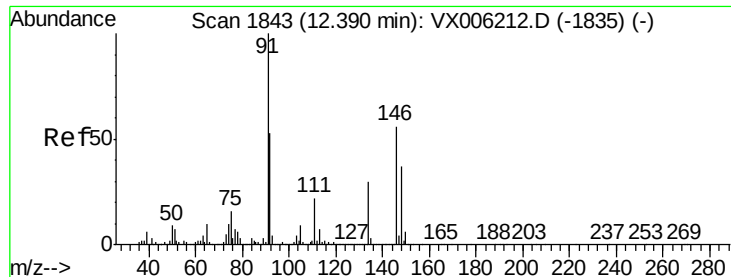
MMDadoda
 12/13/2018 11:05:32 AM



#88
 1,4-Dichlorobenzene
 Concen: 53.754 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX006461.D
 Acq: 12 Dec 2018 22:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.3	54.8
148	63.9	31.9	95.9





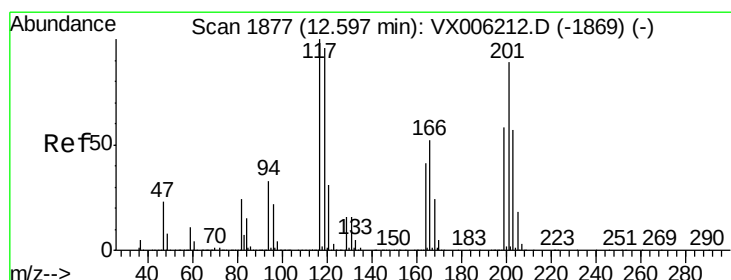
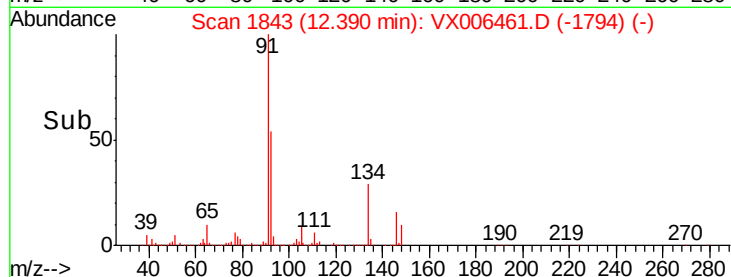
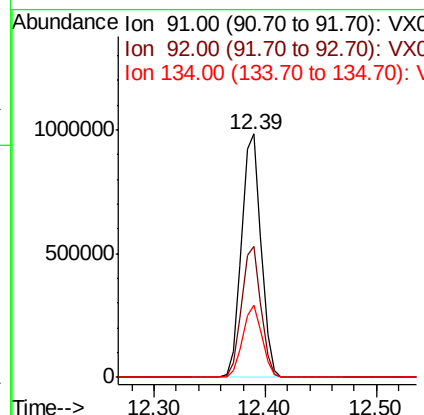
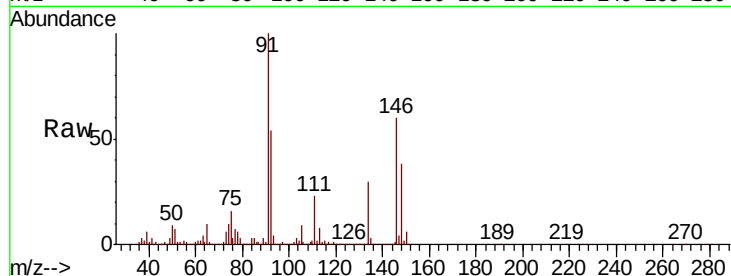
#89
n-Butylbenzene
Concen: 54.485 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX006461.D
Acq: 12 Dec 2018 22:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1192462
Ion Ratio Lower Upper
91 100
92 53.3 26.6 79.8
134 29.1 14.8 44.3

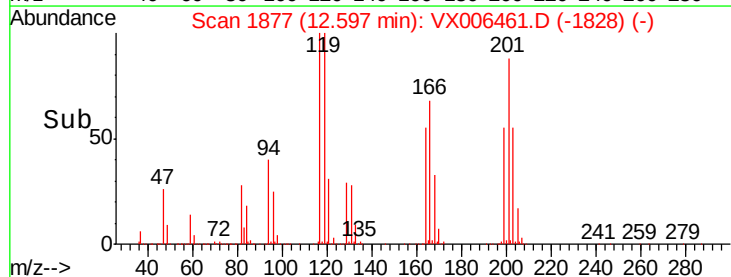
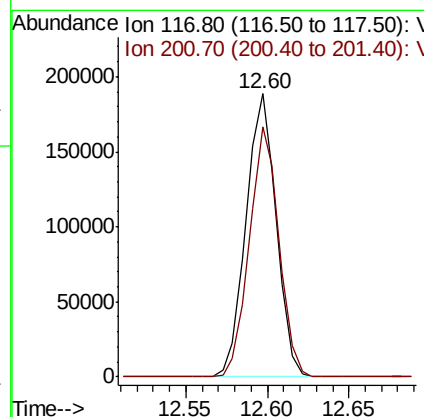
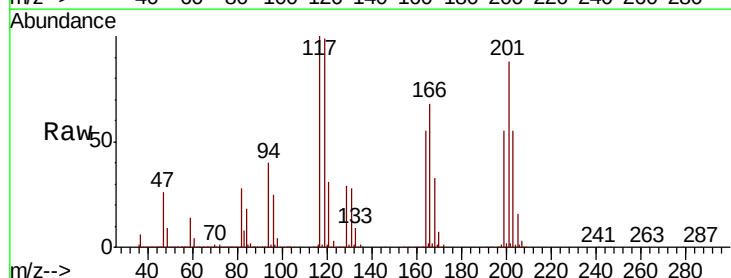
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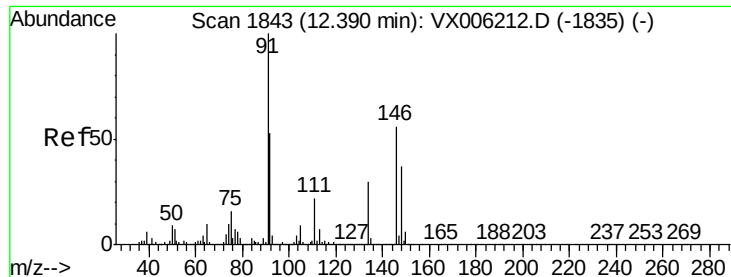
MMDadoda
12/13/2018 11:05:32 AM



#90
Hexachloroethane
Concen: 46.497 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX006461.D
Acq: 12 Dec 2018 22:52

Tgt Ion: 117 Resp: 243080
Ion Ratio Lower Upper
117 100
201 86.5 44.7 134.1





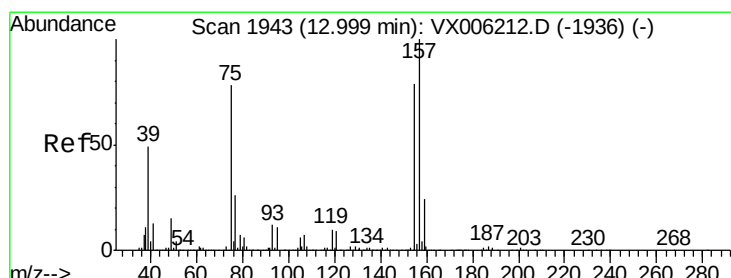
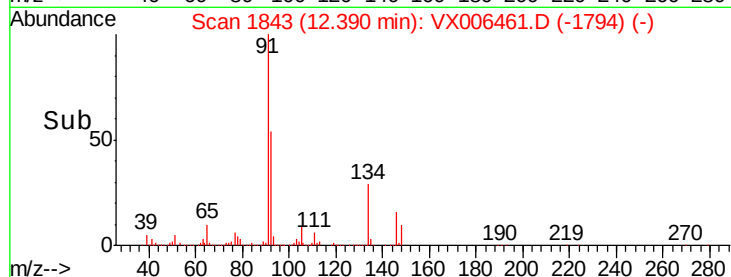
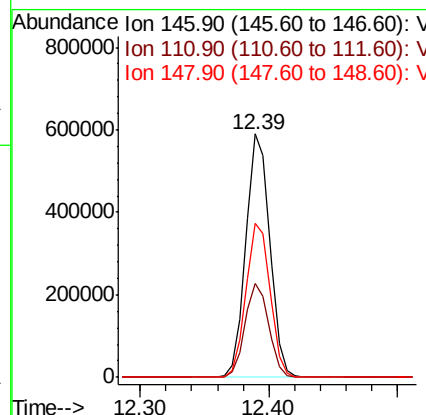
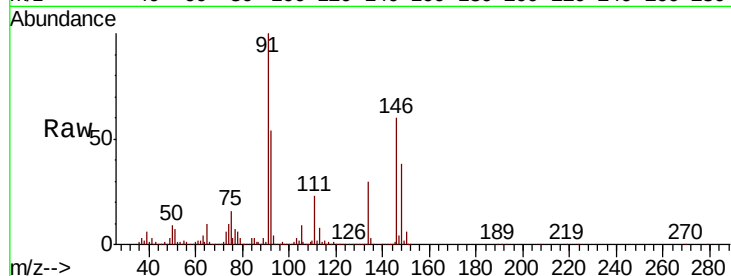
#91
 1,2-Dichlorobenzene
 Concen: 54.471 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX006461.D
 Acq: 12 Dec 2018 22:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	752959		
111	38.3	19.1	57.3	
148	63.9	32.1	96.3	

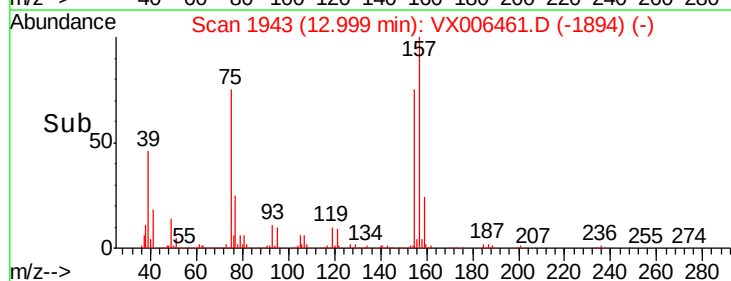
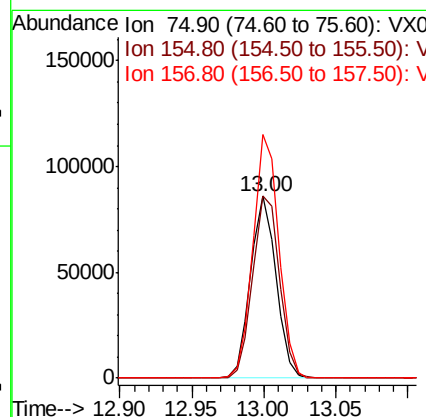
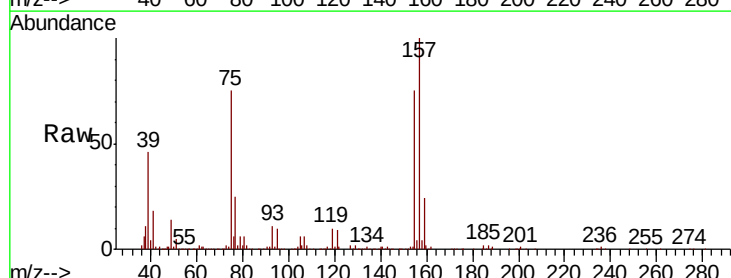
Manual Integrations
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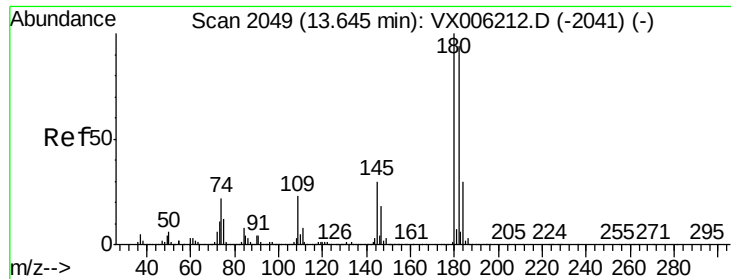
MMDadoda
 12/13/2018 11:05:32 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.472 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX006461.D
 Acq: 12 Dec 2018 22:52

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	105182		
155	105.4	53.4	160.3	
157	134.9	68.0	203.8	





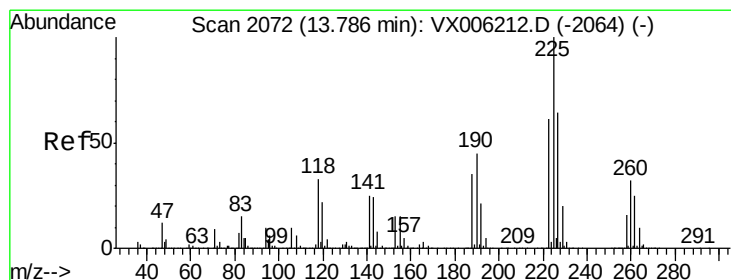
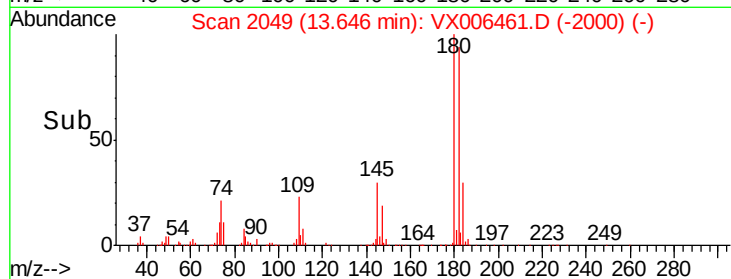
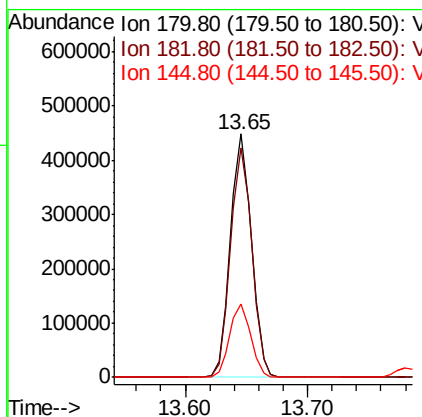
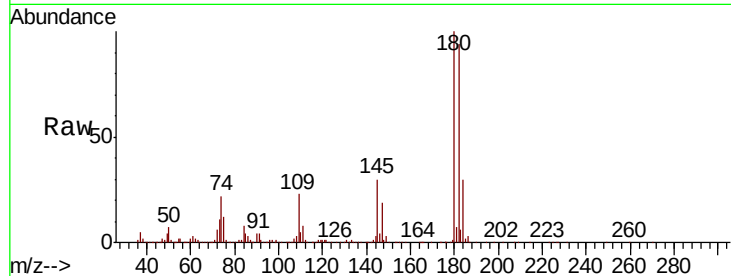
#93
 1,2,4-Trichlorobenzene
 Concen: 52.654 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX006461.D
 Acq: 12 Dec 2018 22:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	531001		
182	95.4	47.3	141.9	
145	30.3	14.6	43.8	

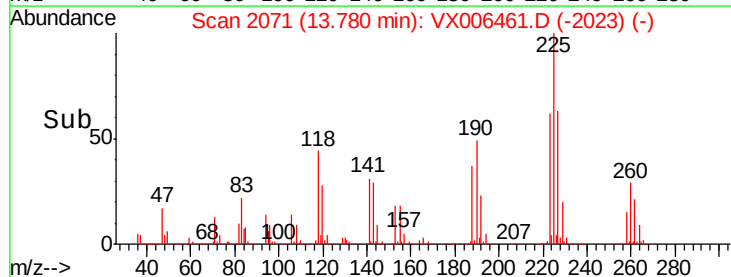
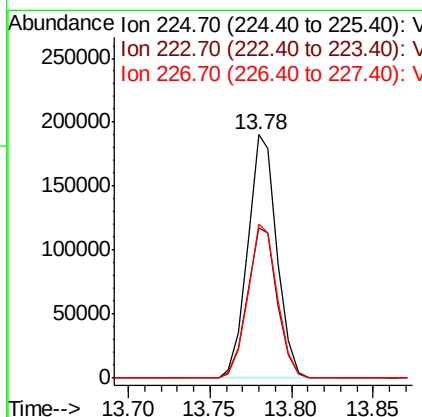
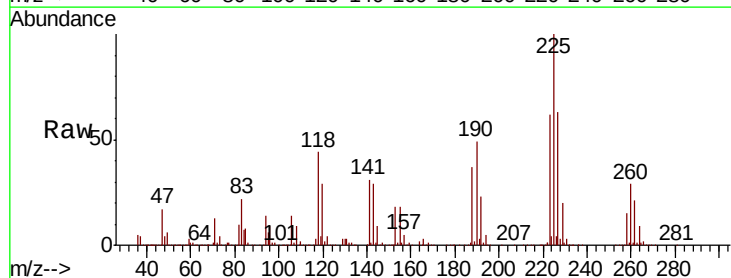
Manual Integrations
 APPROVED

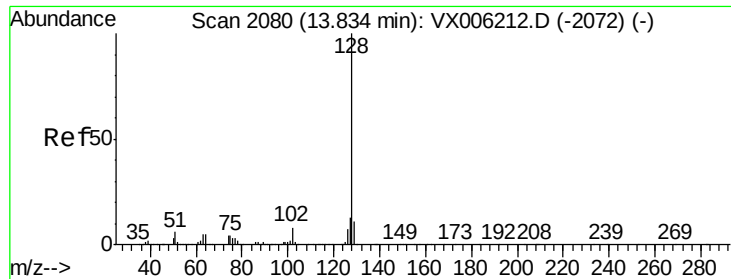
MMDadoda
 12/13/2018 11:05:32 AM



#94
 Hexachlorobutadiene
 Concen: 52.864 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VX006461.D
 Acq: 12 Dec 2018 22:52

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	235766		
223	63.4	31.2	93.6	
227	63.9	31.9	95.5	





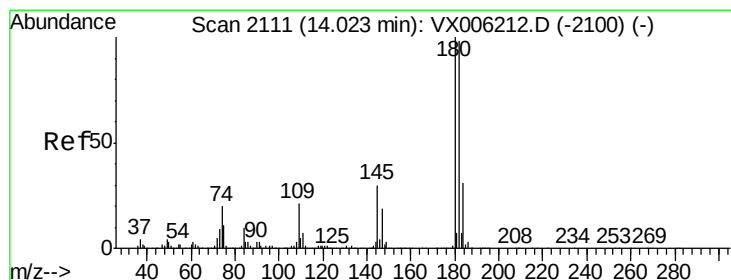
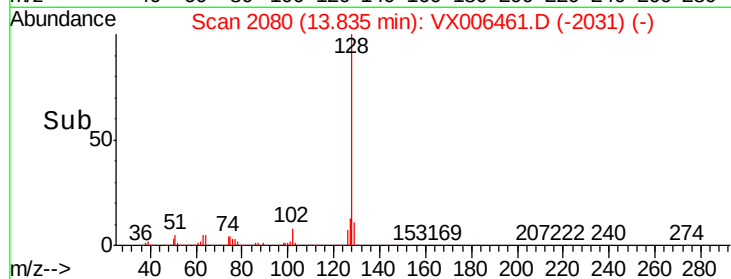
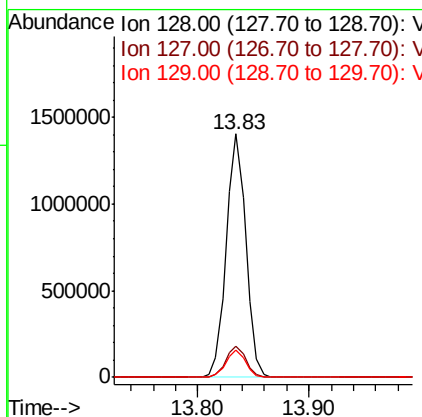
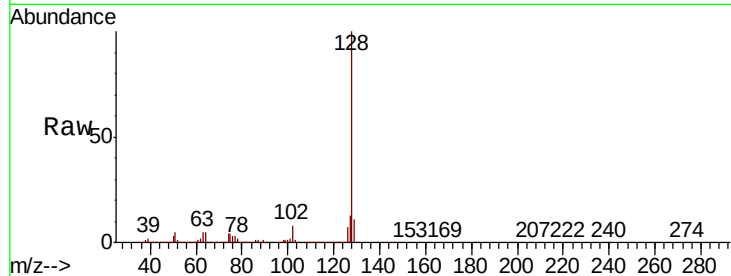
#95
Naphthalene
Concen: 54.441 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX006461.D
Acq: 12 Dec 2018 22:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.4
129	11.0	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
12/13/2018 11:05:32 AM



#96
1,2,3-Trichlorobenzene
Concen: 53.767 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.01 min
Lab File: VX006461.D
Acq: 12 Dec 2018 22:52

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	48.4	145.2
145	32.1	15.6	46.8

