

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX091118\
 Data File : VX004482.D
 Acq On : 11 Sep 2018 22:48
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/12/2018 11:26:55 AM

Quant Time: Sep 12 07:49:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 15:21:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	232682	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	336818	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	326732	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	197239	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	157170	52.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.78%	
35) Dibromofluoromethane	5.50	113	133432	43.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.58%	
50) Toluene-d8	8.72	98	520526	50.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.72%	
62) 4-Bromofluorobenzene	11.14	95	188596	51.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	119123	54.63	ug/l	99
3) Chloromethane	1.32	50	161646	53.86	ug/l	98
4) Vinyl Chloride	1.40	62	167626	54.42	ug/l	99
5) Bromomethane	1.64	94	81592	63.58	ug/l	99
6) Chloroethane	1.71	64	105115	52.77	ug/l	98
7) Trichlorofluoromethane	1.92	101	218936	53.62	ug/l	95
8) Diethyl Ether	2.19	74	98484	53.80	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.37	101	138887	53.62	ug/l	99
10) Methyl Iodide	2.51	142	153192	49.52	ug/l	99
11) Tert butyl alcohol	3.08	59	191949	268.12	ug/l	100
12) 1,1-Dichloroethene	2.37	96	129845	53.41	ug/l	96
13) Acrolein	2.29	56	85265	301.72	ug/l	98
14) Allyl chloride	2.72	41	269664	53.95	ug/l	95
15) Acrylonitrile	3.15	53	472800	274.25	ug/l	99
16) Acetone	2.45	43	380328	259.73	ug/l	99
17) Carbon Disulfide	2.57	76	382209	54.39	ug/l	98
18) Methyl Acetate	2.78	43	274322	66.77	ug/l	96
19) Methyl tert-butyl Ether	3.20	73	462302	54.19	ug/l	98
20) Methylene Chloride	2.85	84	155991	51.93	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	140486	52.29	ug/l	98
22) Diisopropyl ether	3.87	45	477160	53.00	ug/l	97
23) Vinyl Acetate	3.82	43	1879492	257.99	ug/l	98
24) 1,1-Dichloroethane	3.69	63	278840	54.86	ug/l	97
25) 2-Butanone	4.71	43	596034	255.75	ug/l	96
26) 2,2-Dichloropropane	4.57	77	151462	43.39	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	155023	51.69	ug/l	96
28) Bromochloromethane	5.02	49	127899	55.01	ug/l	95
29) Tetrahydrofuran	5.16	42	390107	277.57	ug/l	97
30) Chloroform	5.22	83	260656	52.53	ug/l	86
31) Cyclohexane	5.57	56	234472	54.03	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	211233	52.85	ug/l	99
36) 1,1-Dichloropropene	5.80	75	189804	46.42	ug/l	100
37) Ethyl Acetate	4.87	43	213853	45.98	ug/l	99
38) Carbon Tetrachloride	5.78	117	184364	46.16	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	231371	54.22	ug/l	98
40) Benzene	6.14	78	582582	48.02	ug/l	100
41) Methacrylonitrile	5.06	41	130645	50.98	ug/l	97
42) 1,2-Dichloroethane	6.20	62	194545	48.35	ug/l	98
43) Isopropyl Acetate	6.47	43	321267	52.01	ug/l	99
44) Trichloroethene	7.21	130	158679	50.34	ug/l	76
45) 1,2-Dichloropropane	7.52	63	152231	52.14	ug/l	99
46) Dibromomethane	7.66	93	97803	53.03	ug/l	98
47) Bromodichloromethane	7.90	83	186595	53.50	ug/l	99
48) Methyl methacrylate	7.78	41	174427	57.06	ug/l	97
49) 1,4-Dioxane	7.76	88	79262	1095.47	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	1129654	259.14	ug/l	97
52) Toluene	8.79	92	366003	51.20	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	203100	49.85	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	223731	53.87	ug/l	97
55) 1,1,2-Trichloroethane	9.22	97	149513	48.58	ug/l	98
56) Ethyl methacrylate	9.18	69	226835	52.10	ug/l	97
57) 1,3-Dichloropropane	9.37	76	247487	49.49	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	586323	263.88	ug/l	95
59) 2-Hexanone	9.50	43	866154	259.04	ug/l	97
60) Dibromochloromethane	9.59	129	150786	52.04	ug/l	100
61) 1,2-Dibromoethane	9.68	107	154676	52.61	ug/l	100
64) Tetrachloroethene	9.34	164	186647	45.75	ug/l	97
65) Chlorobenzene	10.14	112	406630	50.10	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.23	131	144527	51.64	ug/l	99
67) Ethyl Benzene	10.26	91	695564	52.71	ug/l	98
68) m/p-Xylenes	10.36	106	544381	107.09	ug/l	97
69) o-Xylene	10.70	106	262166	53.65	ug/l	98
70) Styrene	10.71	104	441932	54.58	ug/l	98
71) Bromoform	10.86	173	120226	52.32	ug/l	99
73) Isopropylbenzene	11.02	105	704153	54.21	ug/l	100
74) N-amyl acetate	10.90	43	286377	52.38	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	219991	52.50	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	207031m	53.72	ug/l	
77) Bromobenzene	11.26	156	185239	51.59	ug/l	98
78) n-propylbenzene	11.36	91	817232	54.72	ug/l	99
79) 2-Chlorotoluene	11.42	91	478134	52.78	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	599268	54.88	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.08	75	65277	52.43	ug/l	96
82) 4-Chlorotoluene	11.51	91	563387	53.29	ug/l	100
83) tert-Butylbenzene	11.77	119	561499	54.01	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	614908	55.15	ug/l	98
85) sec-Butylbenzene	11.95	105	718827	54.26	ug/l	99
86) p-Isopropyltoluene	12.07	119	645702	55.19	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	343118	51.22	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	347015	50.13	ug/l	99
89) n-Butylbenzene	12.39	91	567749	53.25	ug/l	98
90) Hexachloroethane	12.60	117	100332	53.57	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	346924	51.17	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	50219	56.13	ug/l	99

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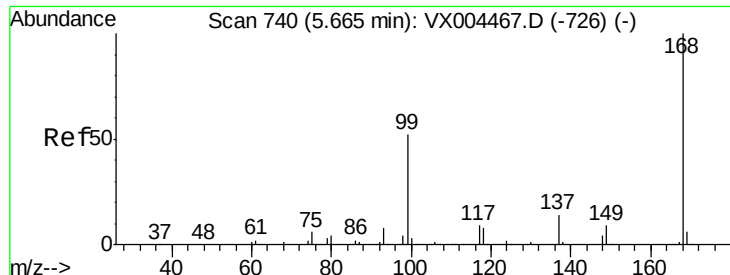
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	253313	52.76	ug/l	99
94) Hexachlorobutadiene	13.79	225	123664	49.31	ug/l	97
95) Naphthalene	13.83	128	771356	57.28	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	260450	52.81	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX004482.D

Acq: 11 Sep 2018 22:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 232682

Ion Ratio Lower Upper

168 100

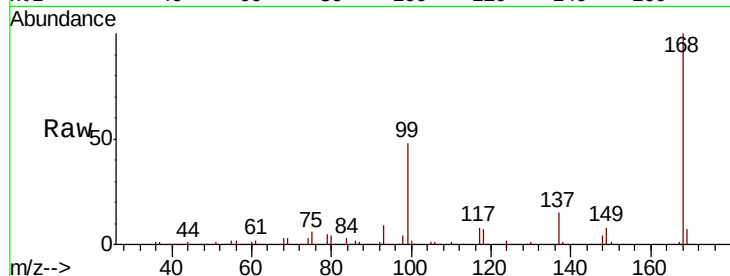
99 47.6 39.9 59.9

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

60000

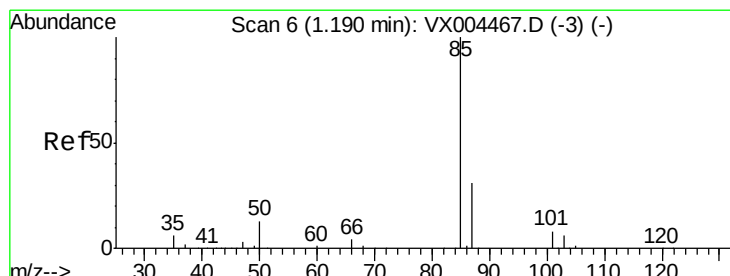
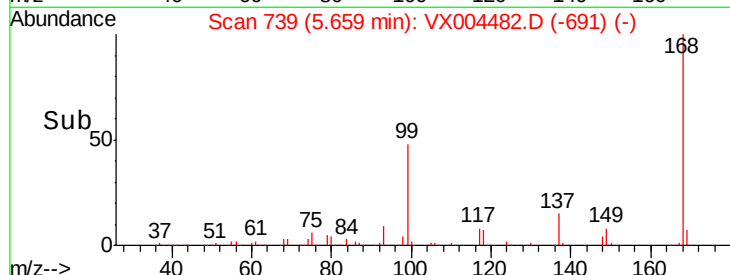
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 54.63 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.01 min

Lab File: VX004482.D

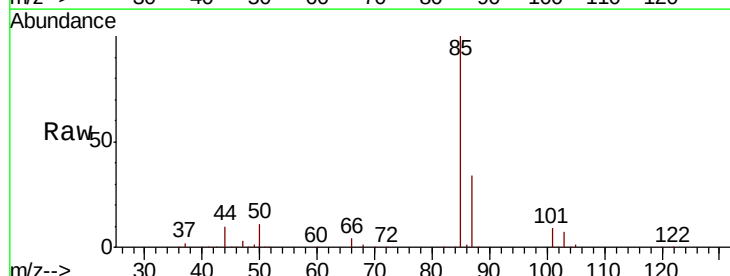
Acq: 11 Sep 2018 22:48

Tgt Ion: 85 Resp: 119123

Ion Ratio Lower Upper

85 100

87 34.3 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

120000

100000

80000

60000

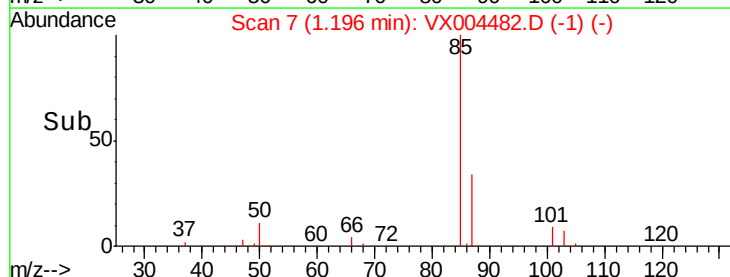
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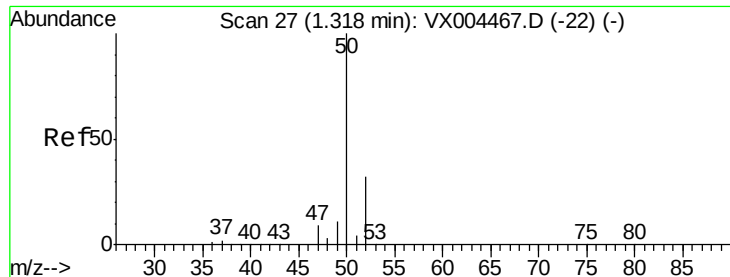
20000

0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 53.86 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX004482.D

Acq: 11 Sep 2018 22:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 161646

Ion Ratio Lower Upper

50 100

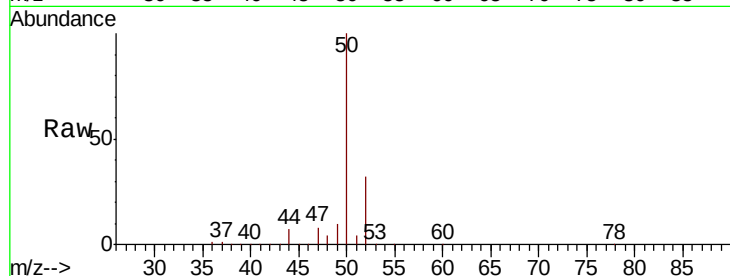
52 31.7 26.2 39.2

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

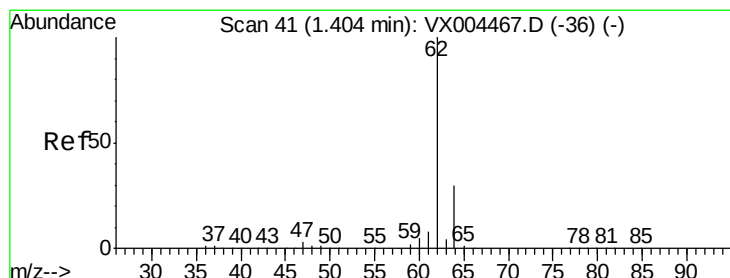
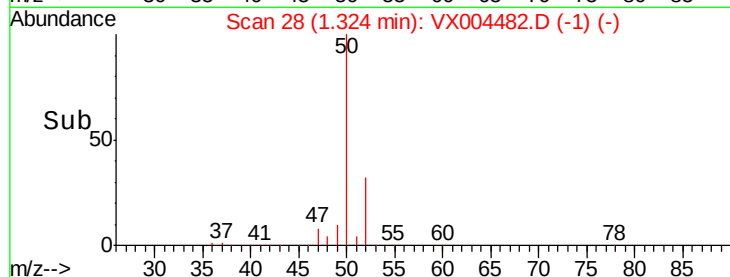
150000

100000

50000

0

Time--> 1.25 1.30 1.35 1.40



#4

Vinyl Chloride

Concen: 54.42 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX004482.D

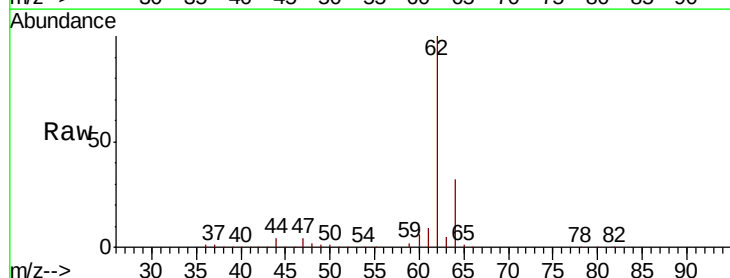
Acq: 11 Sep 2018 22:48

Tgt Ion: 62 Resp: 167626

Ion Ratio Lower Upper

62 100

64 31.9 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

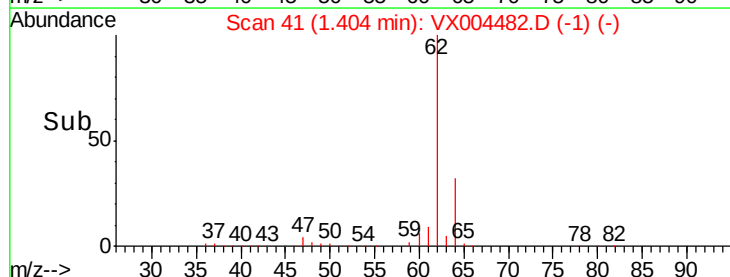
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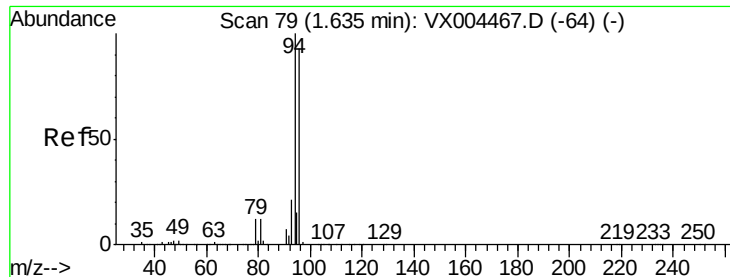
100000

50000

0

Time--> 1.35 1.40 1.45 1.50





#5

Bromomethane

Concen: 63.58 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004482.D

Acq: 11 Sep 2018 22:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 81592

Ion Ratio Lower Upper

94 100

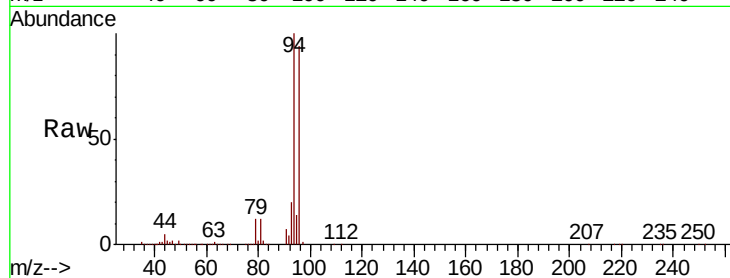
96 94.4 74.5 111.7

Manual Integrations

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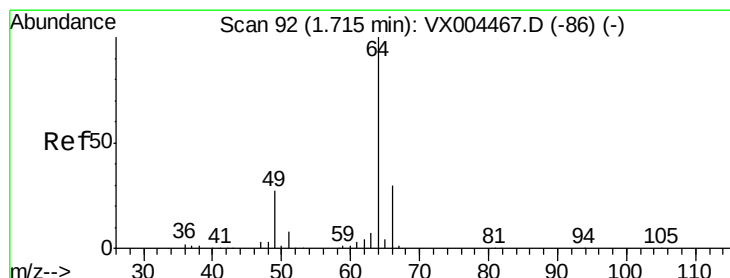
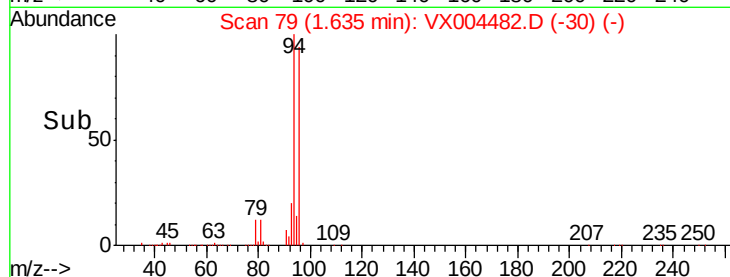
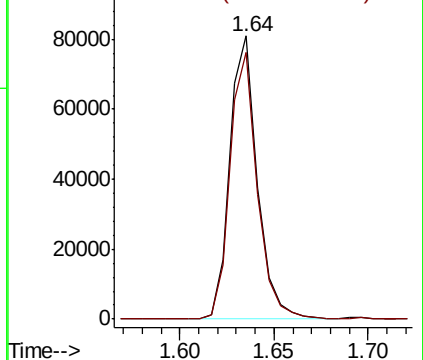
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 52.77 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX004482.D

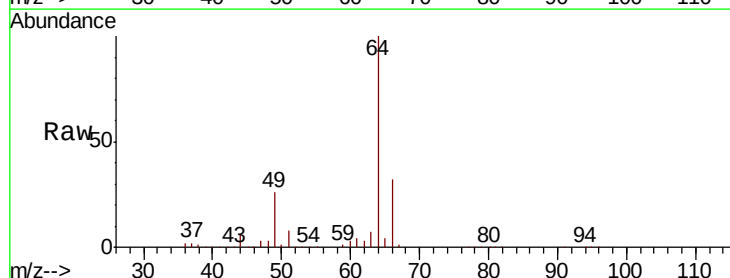
Acq: 11 Sep 2018 22:48

Tgt Ion: 64 Resp: 105115

Ion Ratio Lower Upper

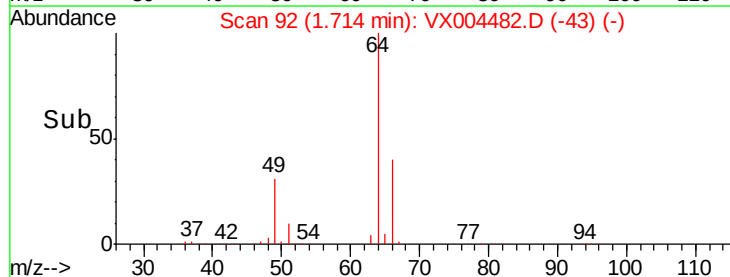
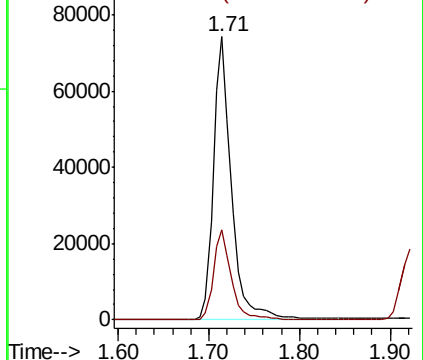
64 100

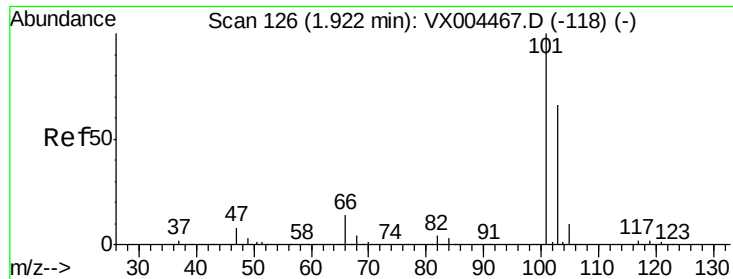
66 31.7 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

Trichlorofluoromethane

Concen: 53.62 ug/l

RT: 1.92 min Scan# 126

Delta R.T. -0.00 min

Lab File: VX004482.D

Acq: 11 Sep 2018 22:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:101 Resp: 218936

Ion Ratio Lower Upper

101 100

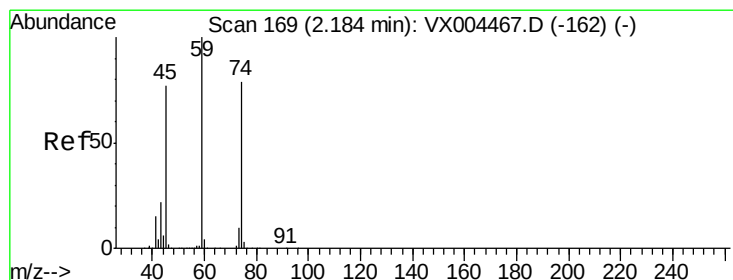
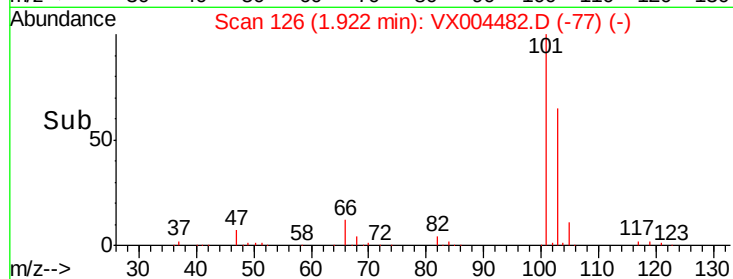
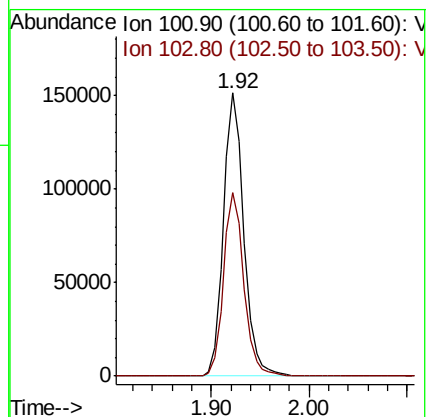
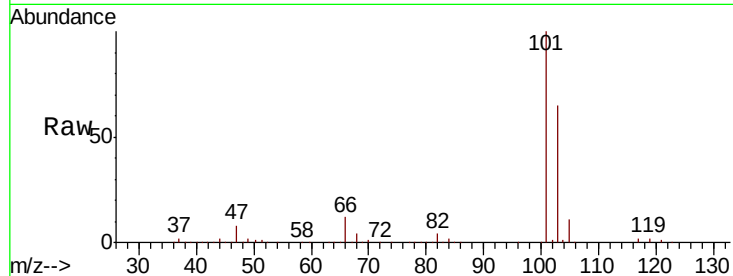
103 64.7 48.9 73.3

Manual Integrations

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#8

Diethyl Ether

Concen: 53.80 ug/l

RT: 2.19 min Scan# 170

Delta R.T. 0.01 min

Lab File: VX004482.D

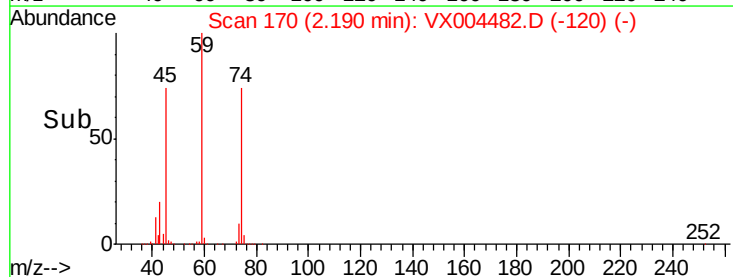
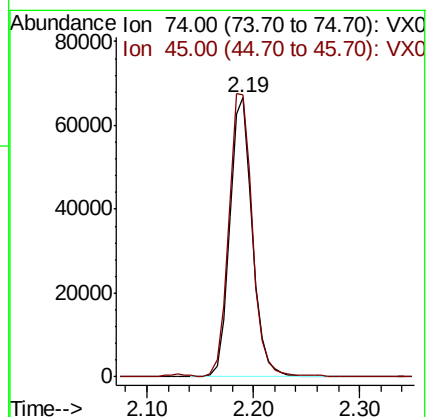
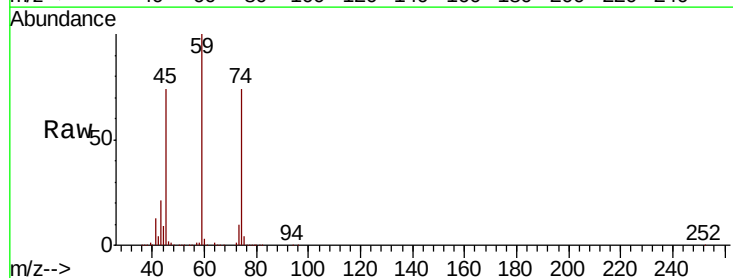
Acq: 11 Sep 2018 22:48

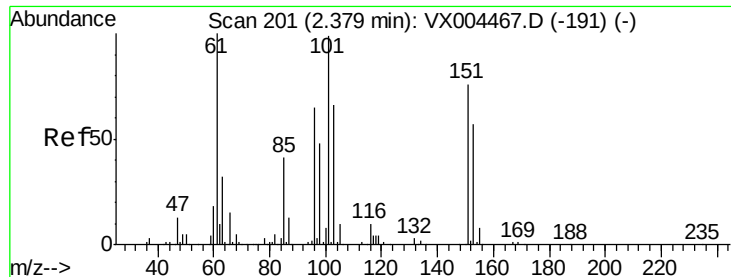
Tgt Ion: 74 Resp: 98484

Ion Ratio Lower Upper

74 100

45 105.5 48.3 144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.62 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.01 min

Lab File: VX004482.D

Acq: 11 Sep 2018 22:48

Instrument :

MSVOA_X

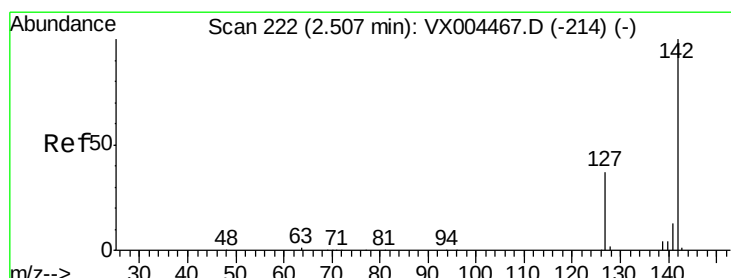
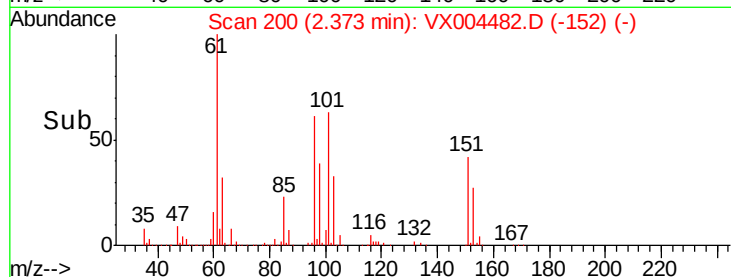
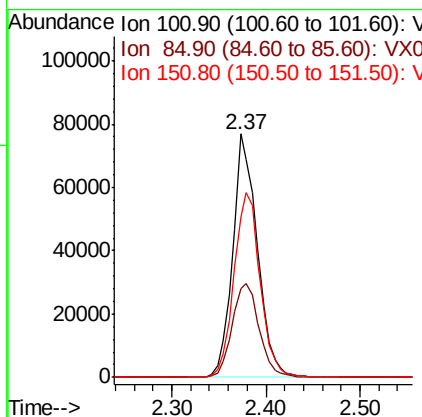
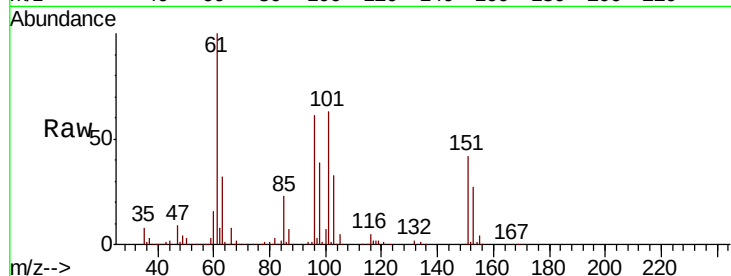
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	138887
Ion Ratio	Lower	Upper	
101	100		
85	42.3	34.2	51.4
151	80.7	65.0	97.6

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#10

Methyl Iodide

Concen: 49.52 ug/l

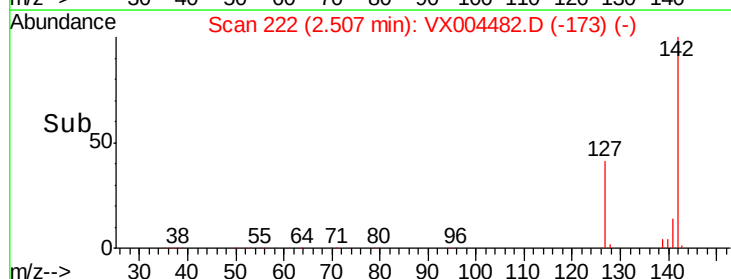
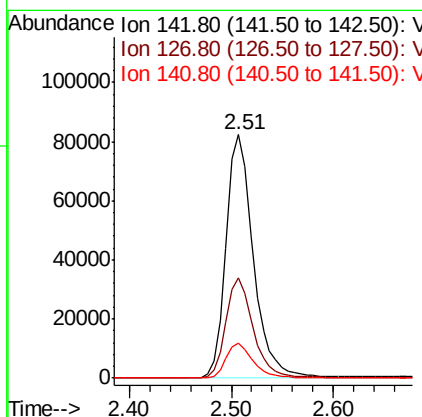
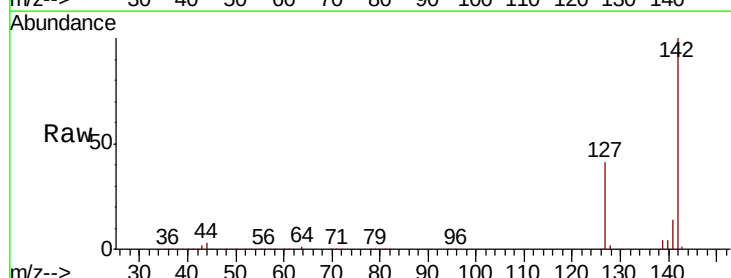
RT: 2.51 min Scan# 222

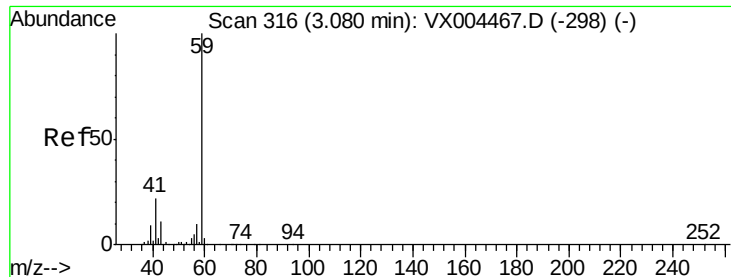
Delta R.T. 0.00 min

Lab File: VX004482.D

Acq: 11 Sep 2018 22:48

Tgt Ion:	142	Resp:	153192
Ion Ratio	Lower	Upper	
142	100		
127	41.5	33.8	50.6
141	14.4	11.4	17.0





#11

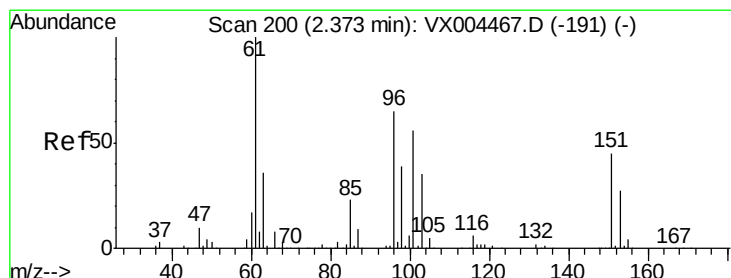
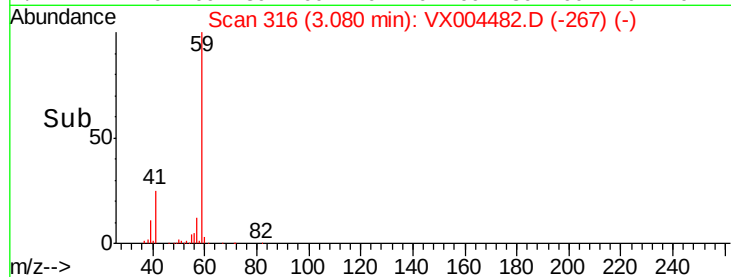
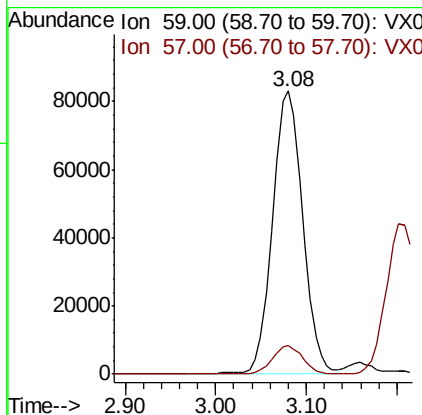
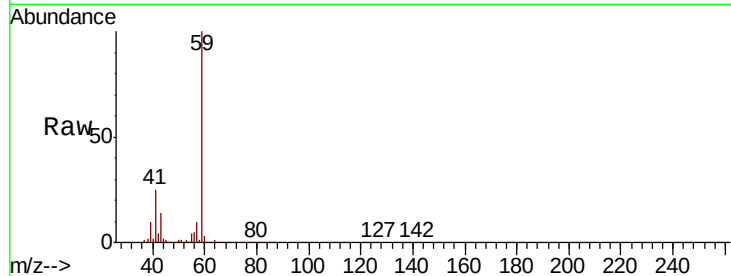
Tert butyl alcohol
 Concen: 268.12 ug/l
 RT: 3.08 min Scan# 316
 Delta R.T. -0.00 min
 Lab File: VX004482.D
 Acq: 11 Sep 2018 22:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.2	12.4

Manual Integrations
 APPROVED

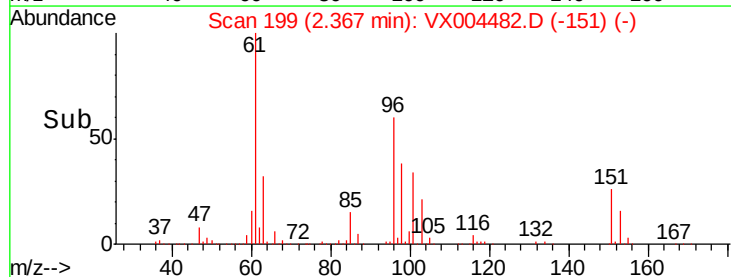
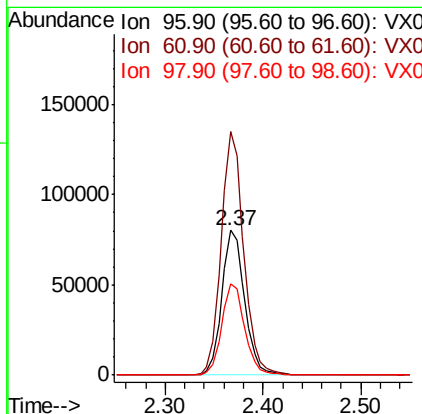
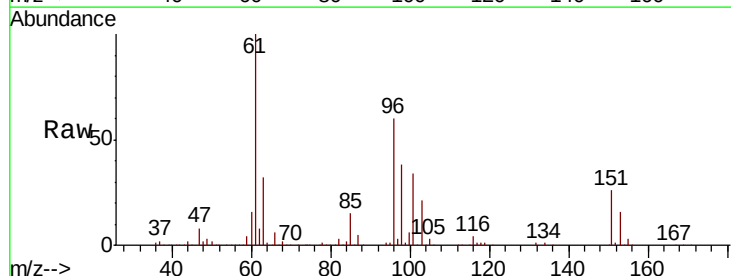
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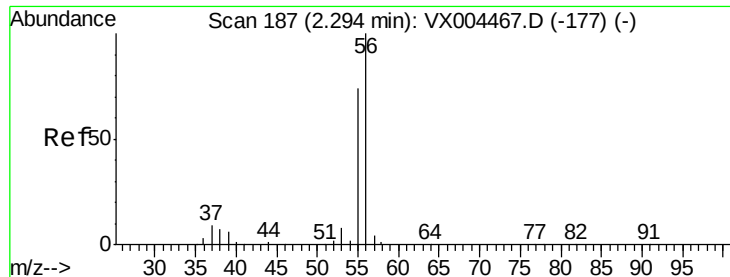


#12

1,1-Dichloroethene
 Concen: 53.41 ug/l
 RT: 2.37 min Scan# 199
 Delta R.T. -0.01 min
 Lab File: VX004482.D
 Acq: 11 Sep 2018 22:48

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.9	128.8	193.2
98	63.2	52.2	78.2





#13

Acrolein

Concen: 301.72 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX004482.D

Acq: 11 Sep 2018 22:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 85265

Ion Ratio Lower Upper

56 100

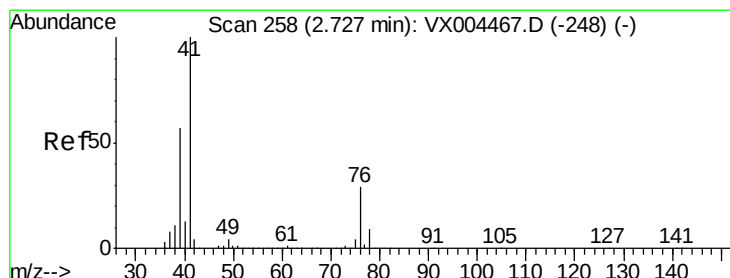
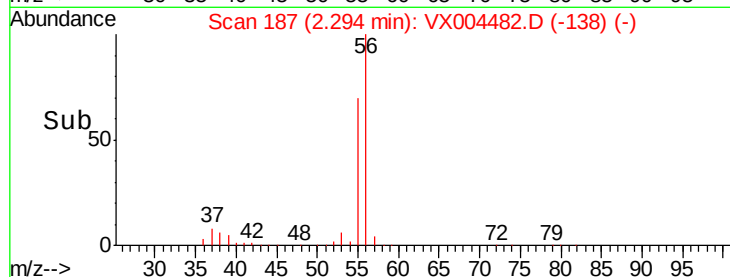
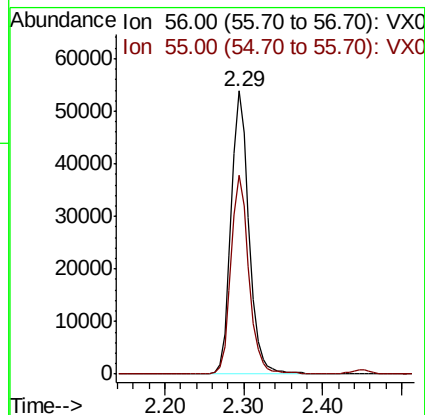
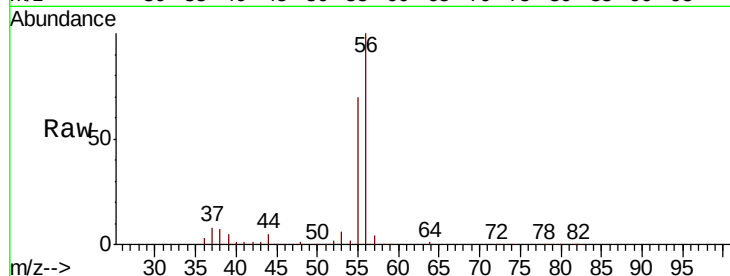
55 70.3 54.7 82.1

Manual Integrations

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#14

Allyl chloride

Concen: 53.95 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.01 min

Lab File: VX004482.D

Acq: 11 Sep 2018 22:48

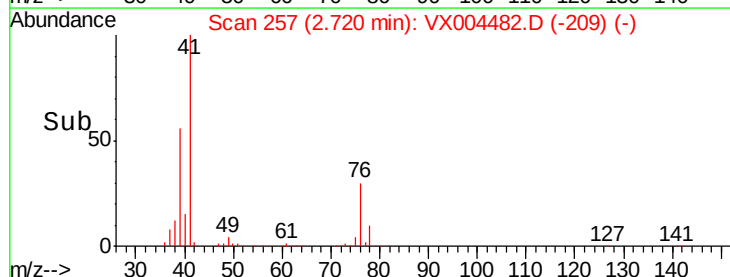
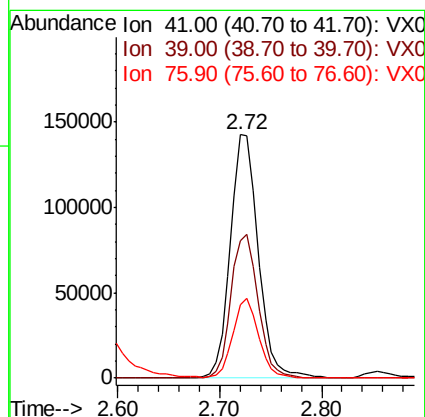
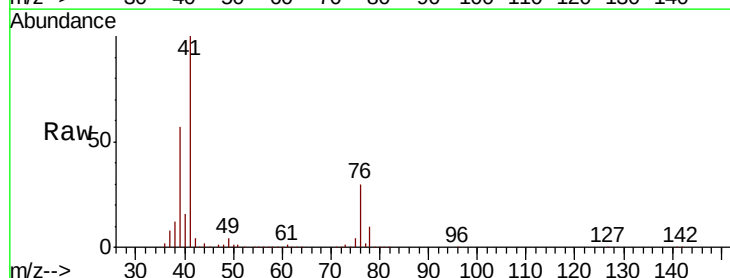
Tgt Ion: 41 Resp: 269664

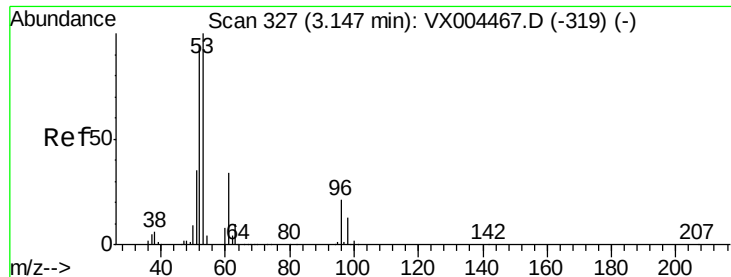
Ion Ratio Lower Upper

41 100

39 57.3 48.9 73.3

76 30.3 26.7 40.1





#15

Acrylonitrile

Concen: 274.25 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX004482.D

Acq: 11 Sep 2018 22:48

Instrument :

MSVOA_X

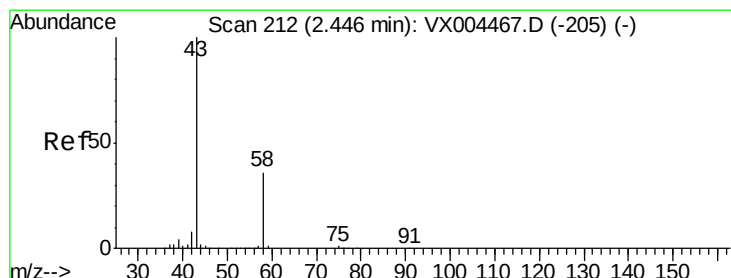
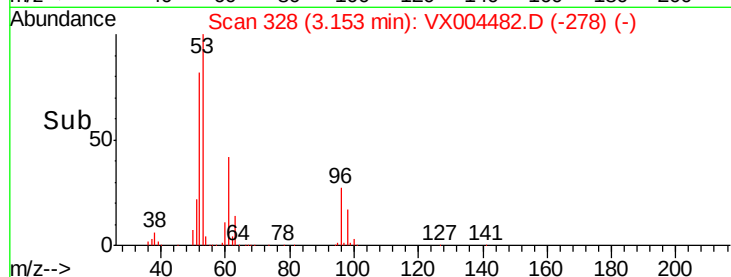
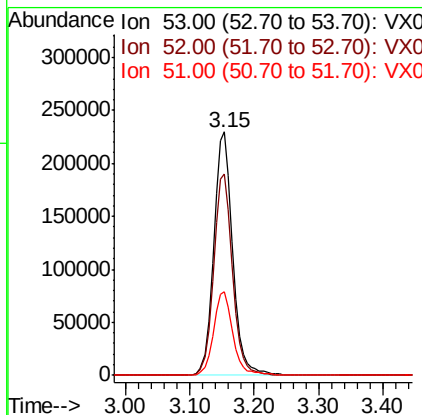
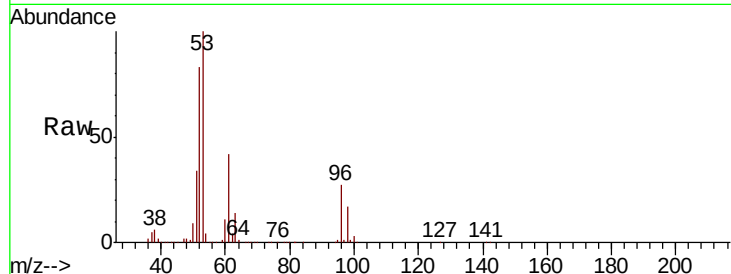
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	472800
Ion	Ratio	Lower	Upper
53	100		
52	82.4	65.2	97.8
51	34.8	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 259.73 ug/l

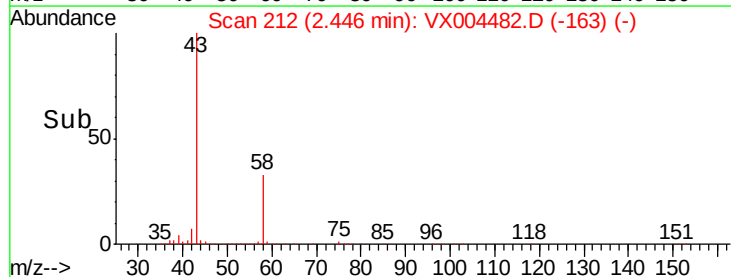
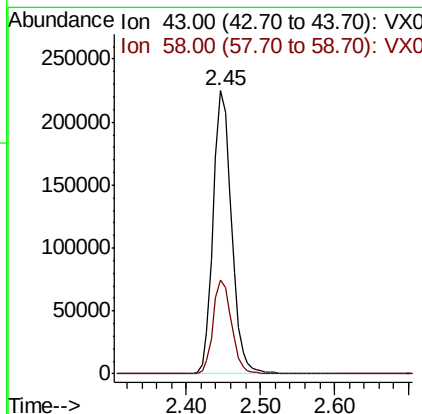
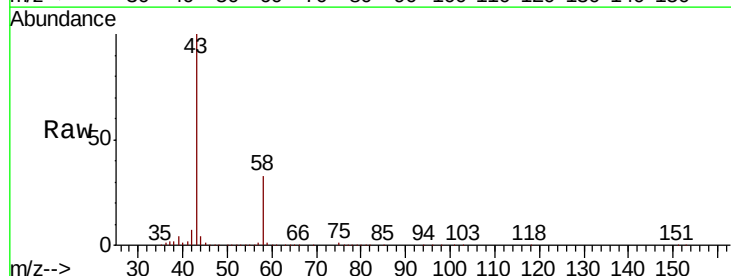
RT: 2.45 min Scan# 212

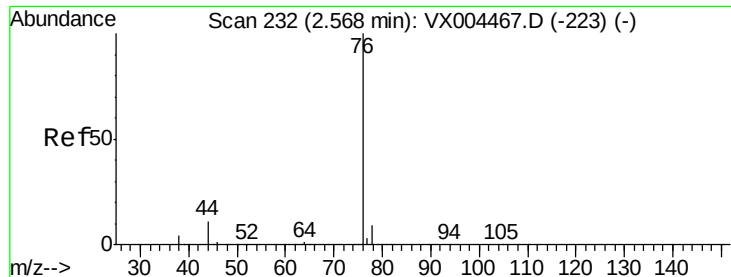
Delta R.T. -0.00 min

Lab File: VX004482.D

Acq: 11 Sep 2018 22:48

Tgt Ion:	43	Resp:	380328
Ion	Ratio	Lower	Upper
43	100		
58	33.2	26.2	39.4





#17

Carbon Disulfide

Concen: 54.39 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX004482.D

Acq: 11 Sep 2018 22:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 382209

Ion Ratio Lower Upper

76 100

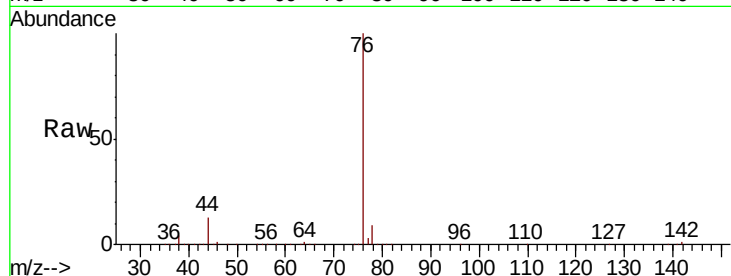
78 9.5 7.0 10.6

Manual Integrations

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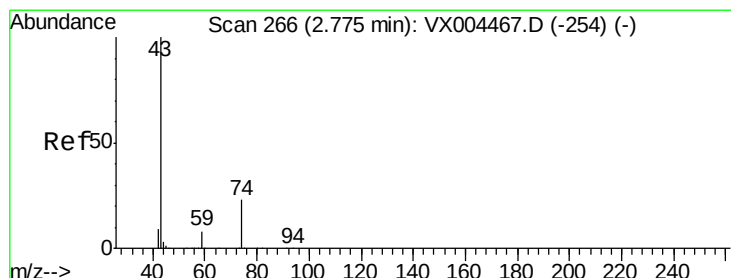
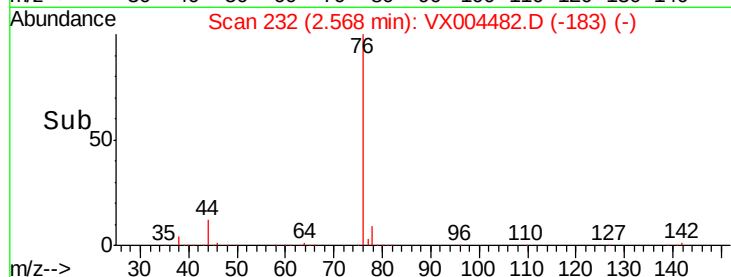
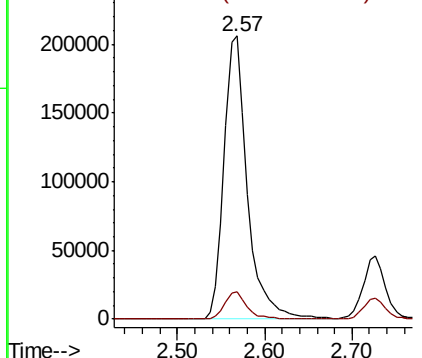
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 66.77 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX004482.D

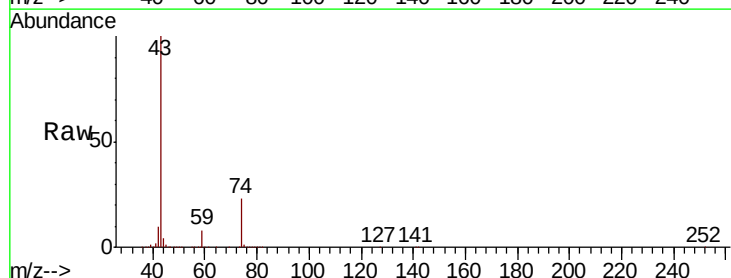
Acq: 11 Sep 2018 22:48

Tgt Ion: 43 Resp: 274322

Ion Ratio Lower Upper

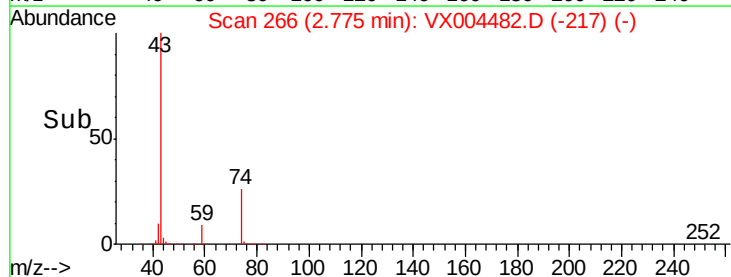
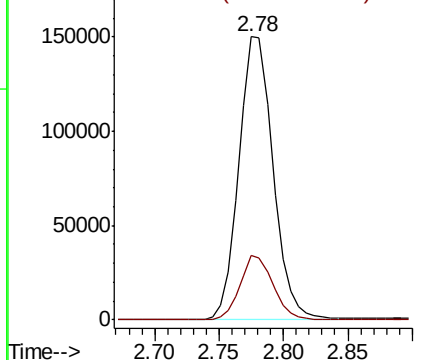
43 100

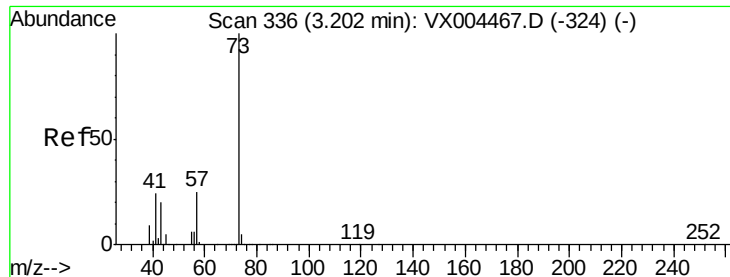
74 22.1 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





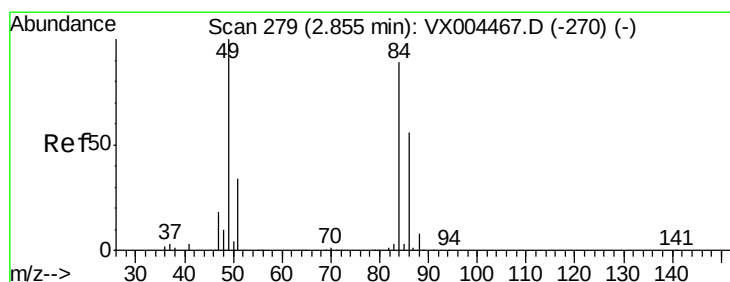
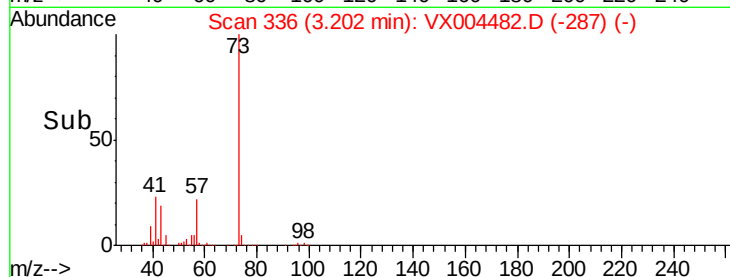
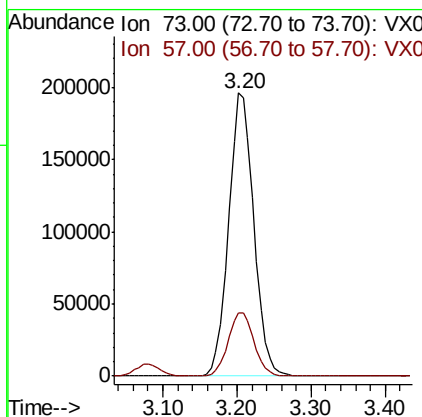
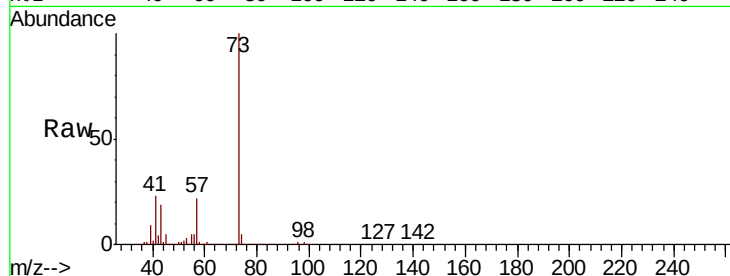
#19
Methyl tert-butyl Ether
Concen: 54.19 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX004482.D
Acq: 11 Sep 2018 22:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.4	17.1	25.7

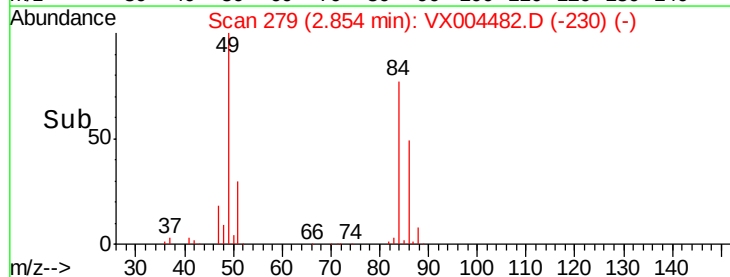
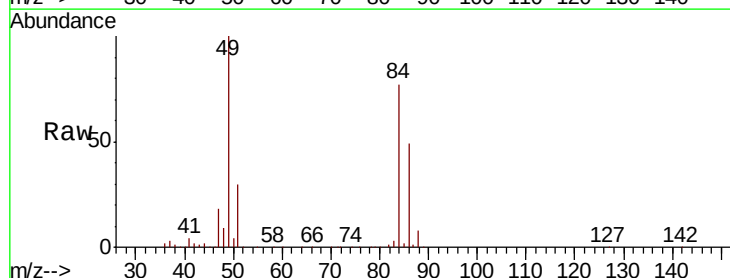
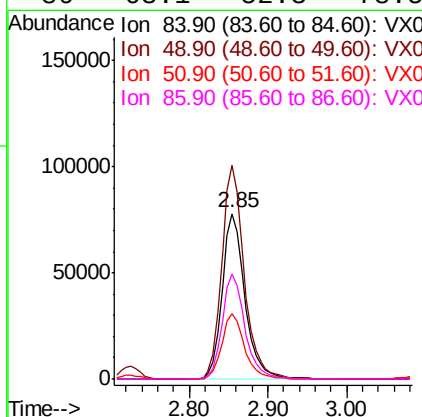
Manual Integrations
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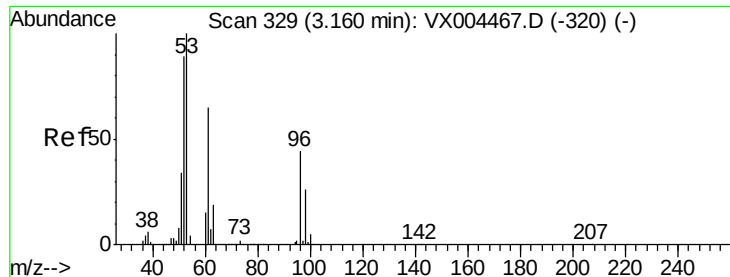
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#20
Methylene Chloride
Concen: 51.93 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX004482.D
Acq: 11 Sep 2018 22:48

Tgt Ion	Ratio	Lower	Upper
84	100		
49	129.2	101.2	151.8
51	39.3	29.5	44.3
86	63.1	52.3	78.5





#21

trans-1,2-Dichloroethene

Concen: 52.29 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX004482.D

Acq: 11 Sep 2018 22:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 140486

Ion Ratio Lower Upper

96 100

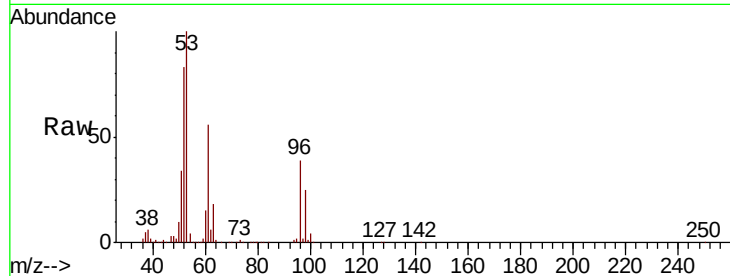
61 144.4 113.8 170.6

98 63.2 51.8 77.8

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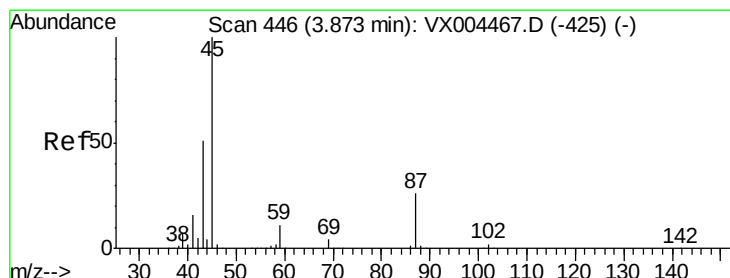
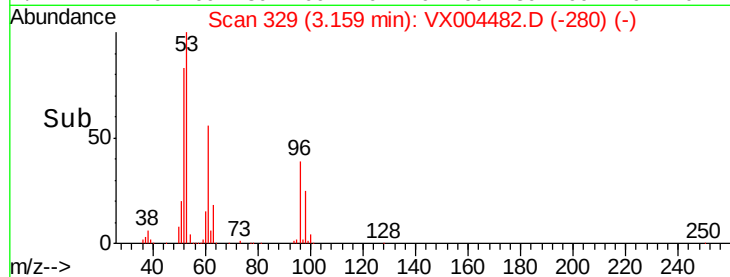
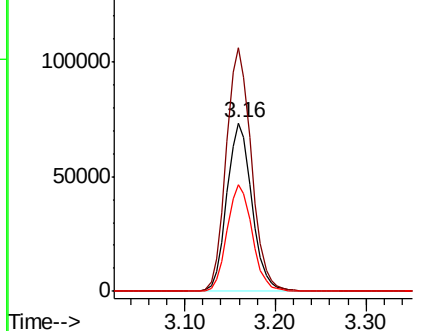
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Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 53.00 ug/l

RT: 3.87 min Scan# 446

Delta R.T. -0.00 min

Lab File: VX004482.D

Acq: 11 Sep 2018 22:48

Tgt Ion: 45 Resp: 477160

Ion Ratio Lower Upper

45 100

43 52.7 42.8 64.2

87 24.7 22.6 34.0

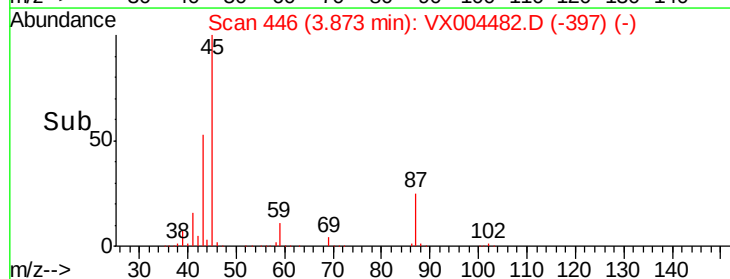
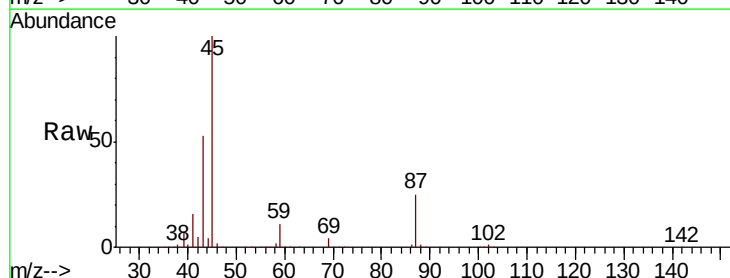
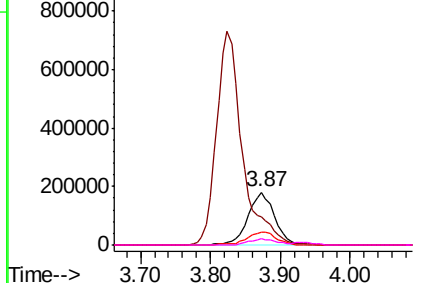
59 11.1 9.6 14.4

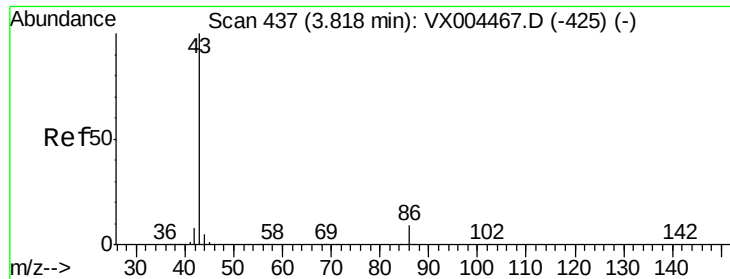
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 257.99 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX004482.D

Acq: 11 Sep 2018 22:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1879492

Ion Ratio Lower Upper

43 100

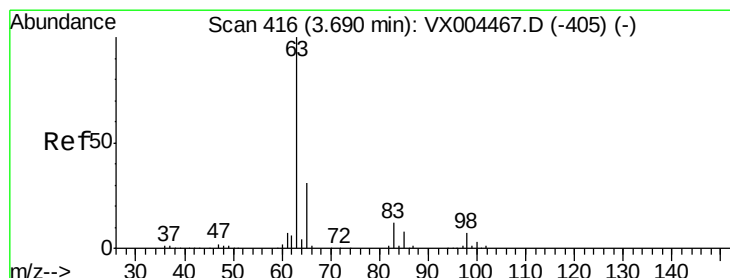
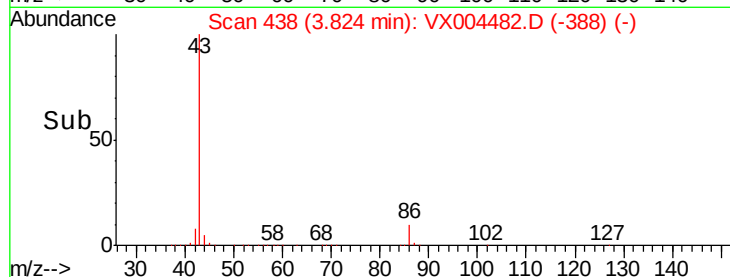
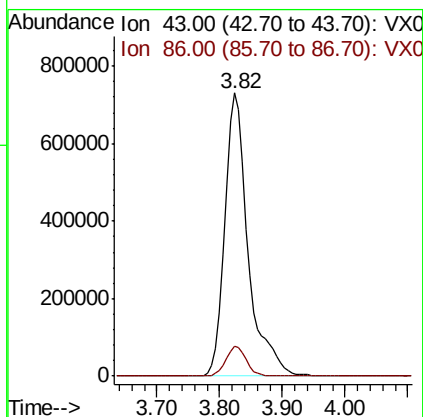
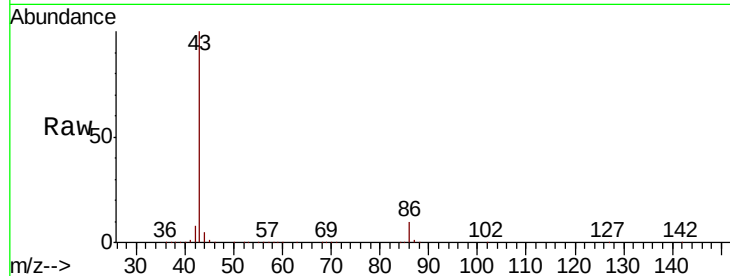
86 10.4 8.9 13.3

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#24

1,1-Dichloroethane

Concen: 54.86 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.00 min

Lab File: VX004482.D

Acq: 11 Sep 2018 22:48

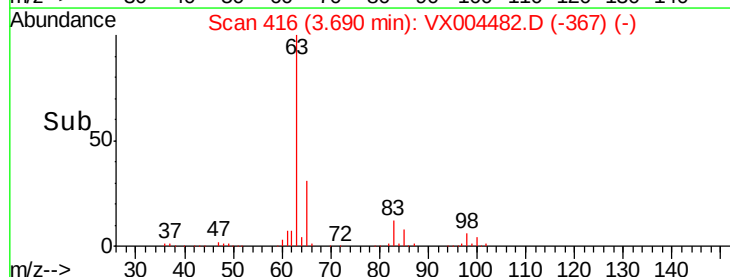
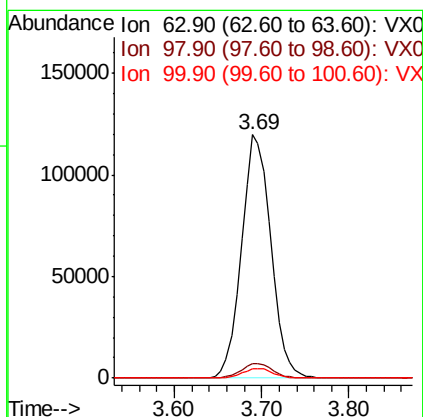
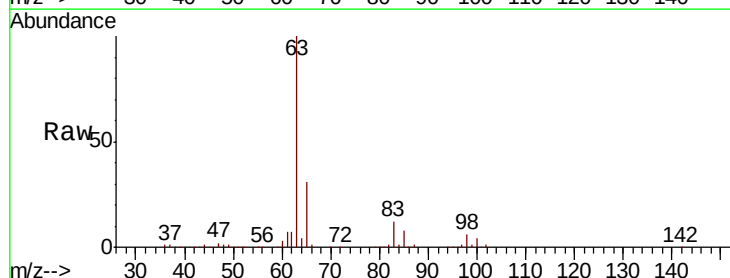
Tgt Ion: 63 Resp: 278840

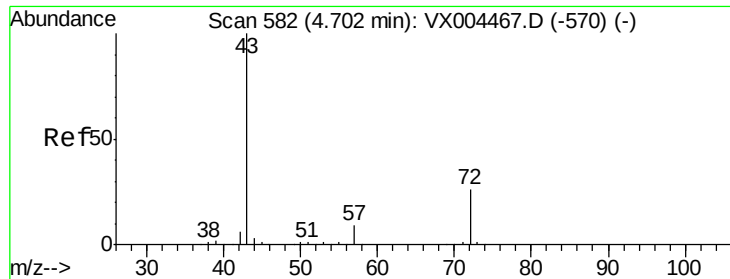
Ion Ratio Lower Upper

63 100

98 6.0 3.5 10.4

100 3.8 2.4 7.1





#25

2-Butanone

Concen: 255.75 ug/l

RT: 4.71 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX004482.D

Acq: 11 Sep 2018 22:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 596034

Ion Ratio Lower Upper

43 100

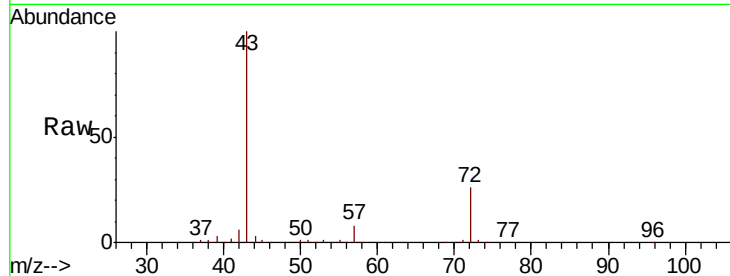
72 25.6 22.0 33.0

Manual Integrations

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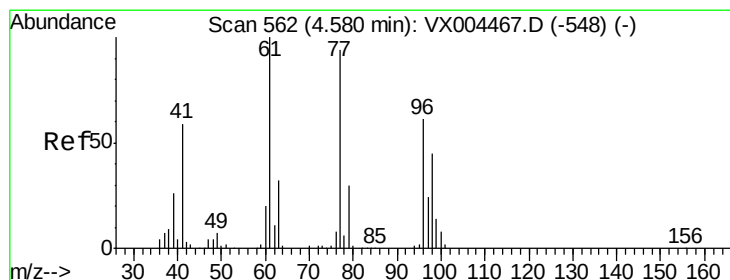
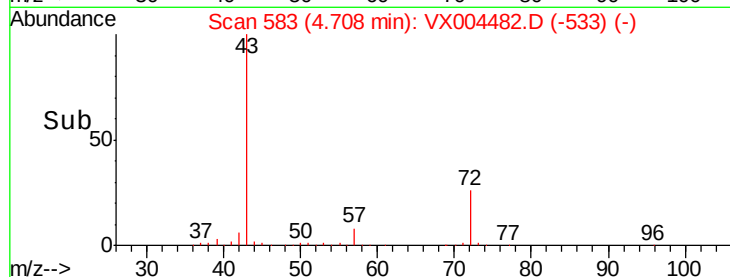
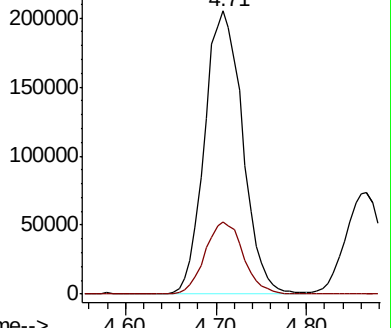
MMDadoda

9/12/2018 11:26:55 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 43.39 ug/l

RT: 4.57 min Scan# 561

Delta R.T. -0.01 min

Lab File: VX004482.D

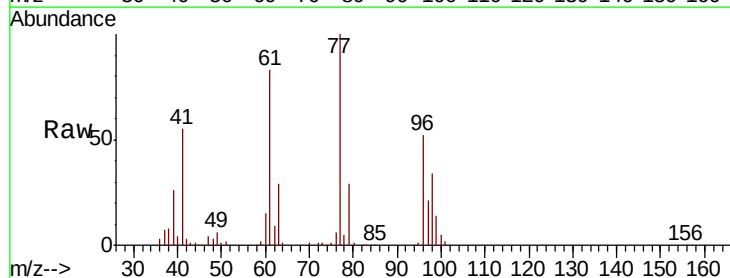
Acq: 11 Sep 2018 22:48

Tgt Ion: 77 Resp: 151462

Ion Ratio Lower Upper

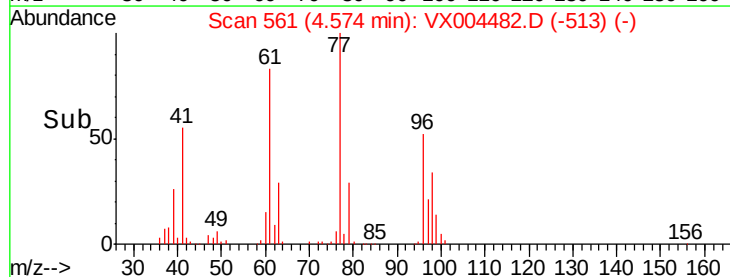
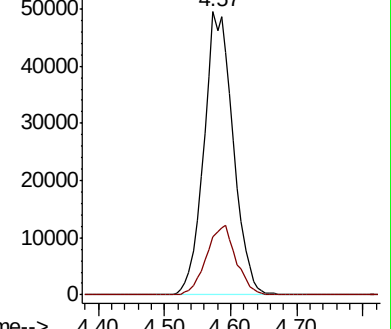
77 100

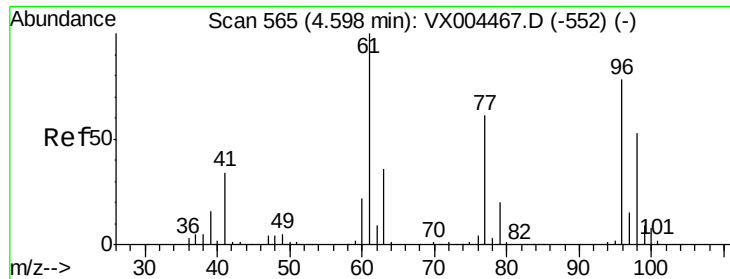
97 24.8 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

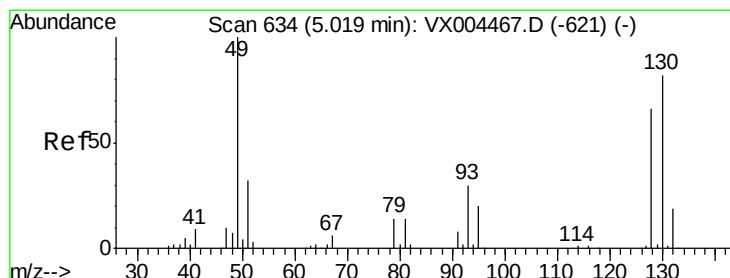
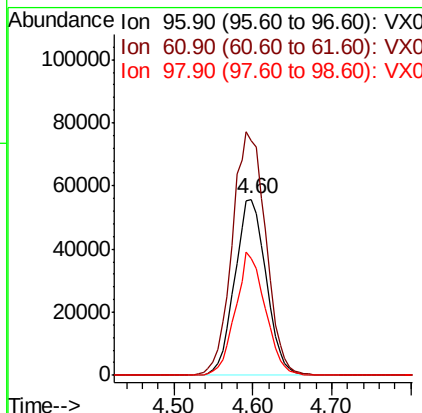
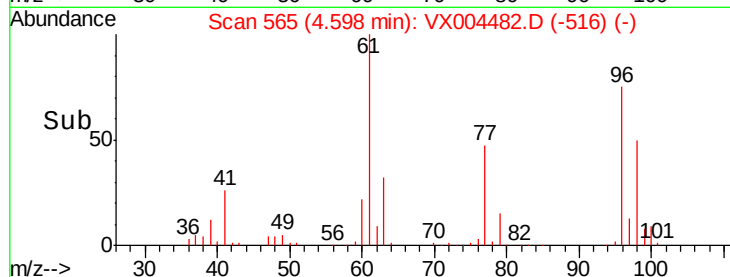
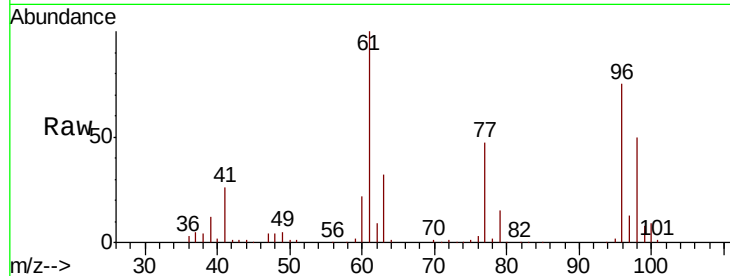
cis-1,2-Dichloroethene
Concen: 51.69 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX004482.D
Acq: 11 Sep 2018 22:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	155023		
61	147.4	0.0	282.6	
98	66.1	0.0	130.2	

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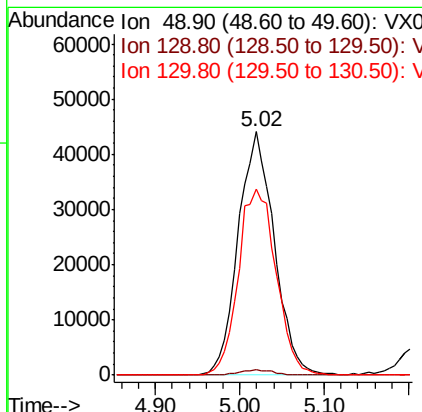
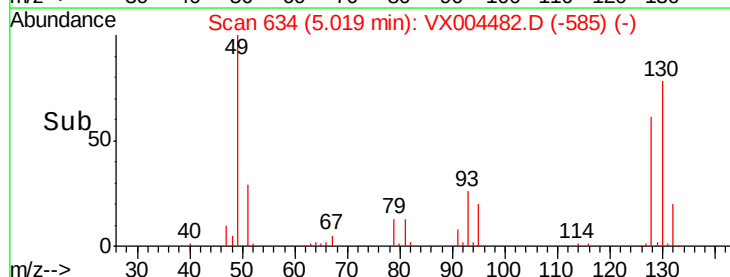
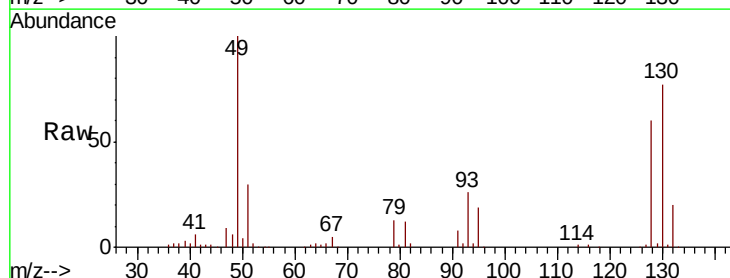
MMDadoda
9/12/2018 11:26:55 AM

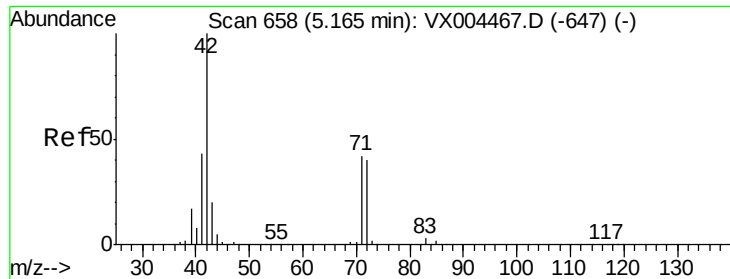


#28

Bromochloromethane
Concen: 55.01 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX004482.D
Acq: 11 Sep 2018 22:48

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	127899		
129	2.1	0.0	4.2	
130	80.0	67.5	101.3	





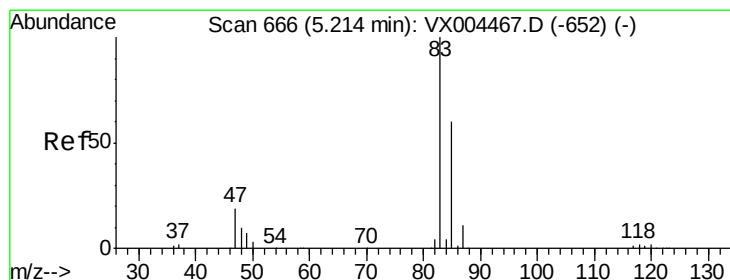
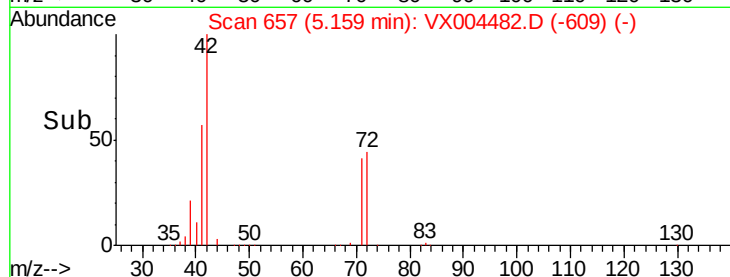
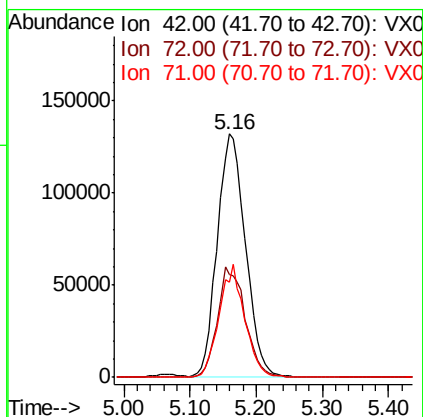
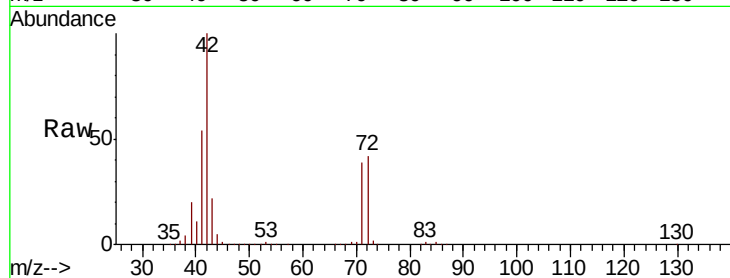
#29
Tetrahydrofuran
Concen: 277.57 ug/l
RT: 5.16 min Scan# 657
Delta R.T. -0.01 min
Lab File: VX004482.D
Acq: 11 Sep 2018 22:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.5	37.4	56.0
71	42.0	34.5	51.7

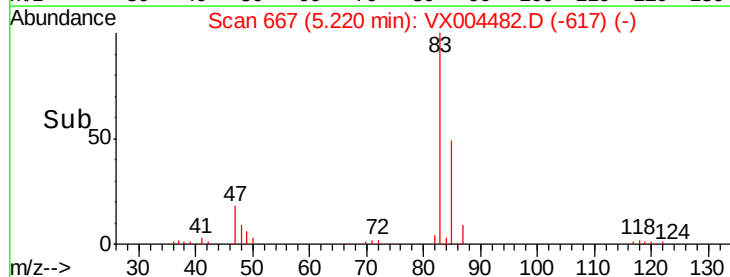
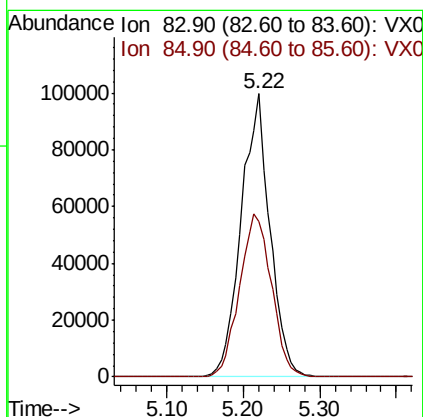
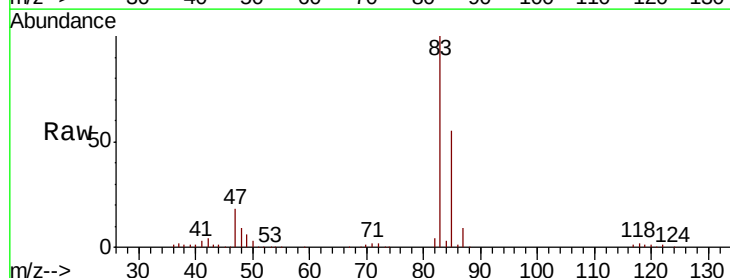
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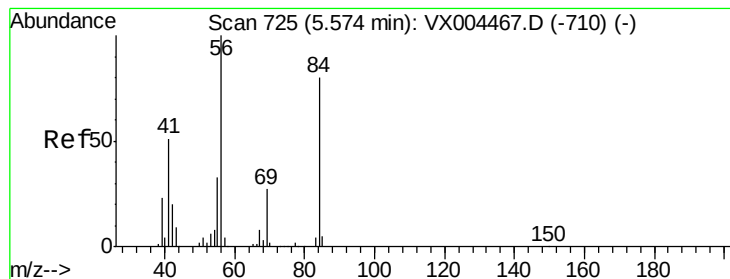
MMDadoda
9/12/2018 11:26:55 AM



#30
Chloroform
Concen: 52.53 ug/l
RT: 5.22 min Scan# 667
Delta R.T. 0.01 min
Lab File: VX004482.D
Acq: 11 Sep 2018 22:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	54.7	52.6	79.0





#31

Cyclohexane

Concen: 54.03 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.00 min

Lab File: VX004482.D

Acq: 11 Sep 2018 22:48

Instrument :

MSVOA_X

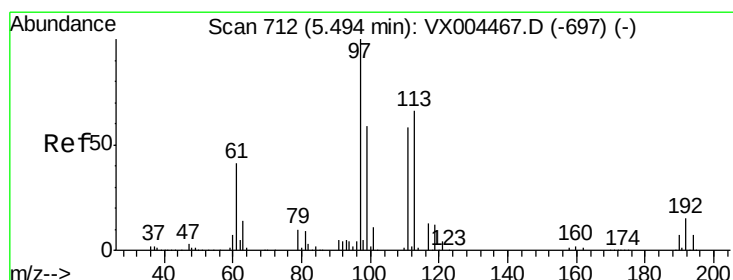
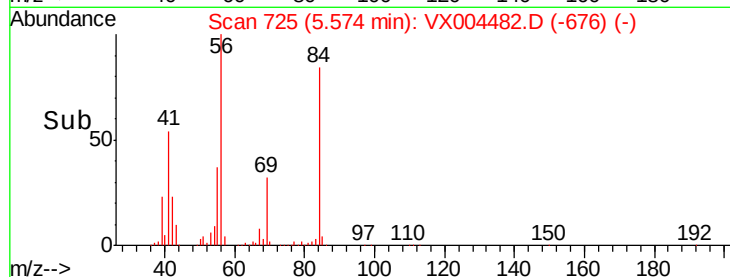
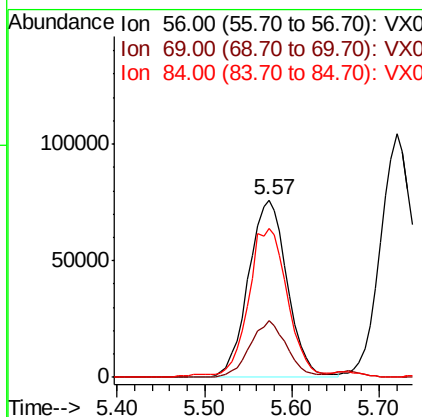
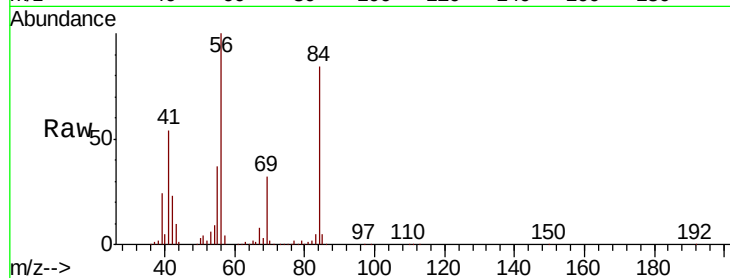
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	234472
Ion	Ratio	Lower	Upper
56	100		
69	32.0	25.4	38.2
84	83.1	71.4	107.2

Manual Integrations
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9/12/2018 11:26:55 AM



#32

1,1,1-Trichloroethane

Concen: 52.85 ug/l

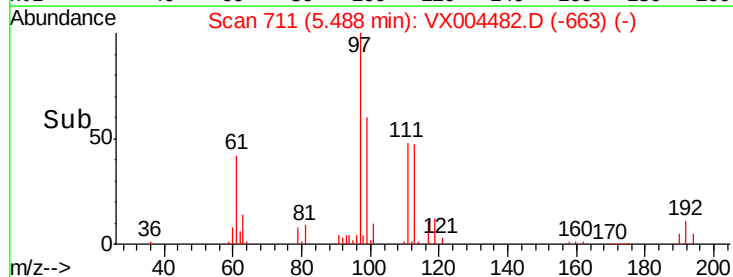
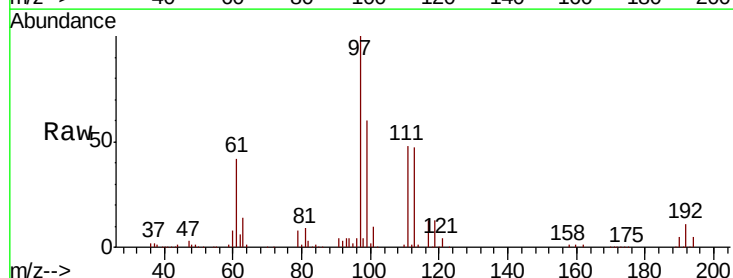
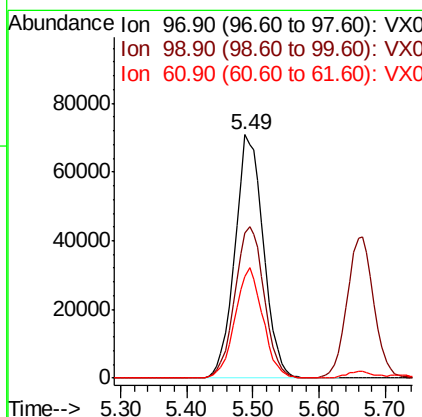
RT: 5.49 min Scan# 711

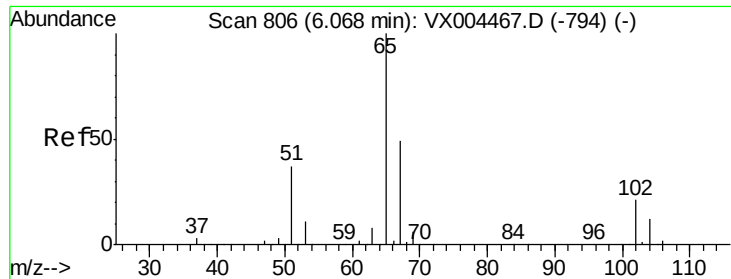
Delta R.T. -0.01 min

Lab File: VX004482.D

Acq: 11 Sep 2018 22:48

Tgt Ion:	97	Resp:	211233
Ion	Ratio	Lower	Upper
97	100		
99	64.0	52.0	78.0
61	44.3	34.9	52.3





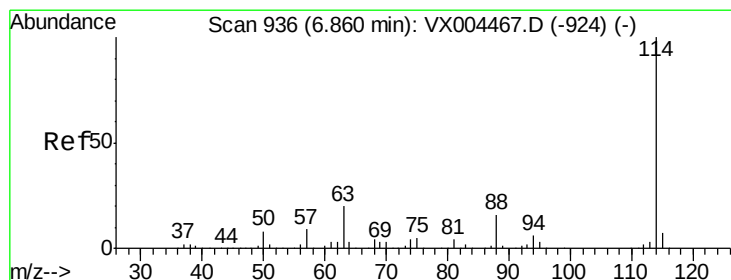
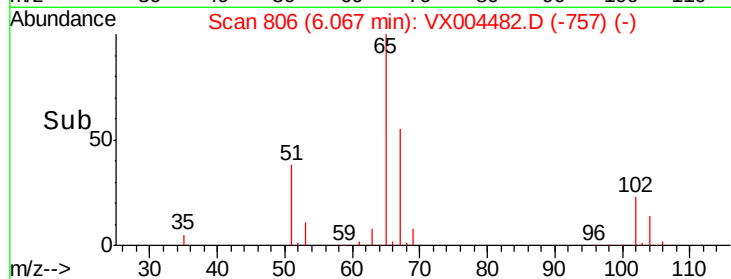
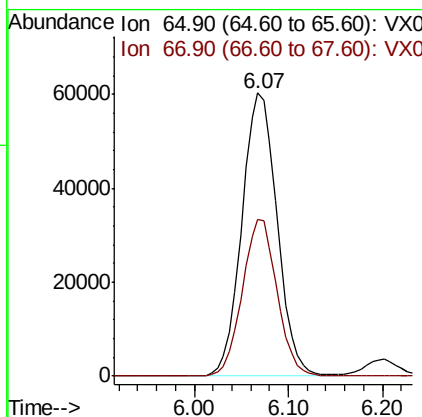
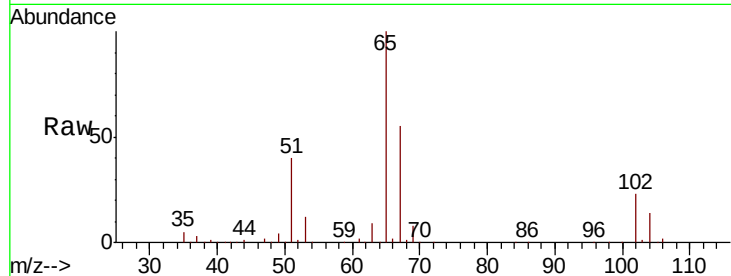
#33
 1,2-Dichloroethane-d4
 Concen: 52.39 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004482.D
 Acq: 11 Sep 2018 22:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	157170		
67	54.5	0.0	106.8	

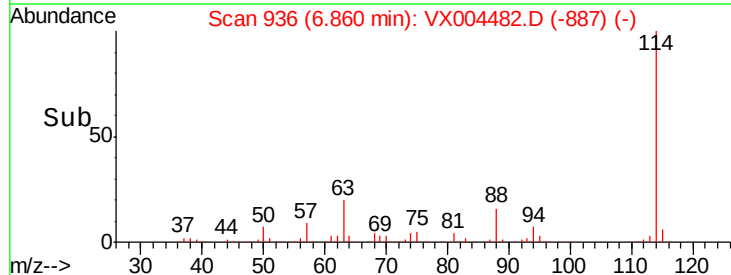
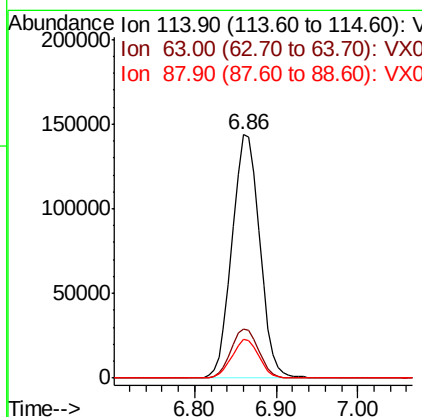
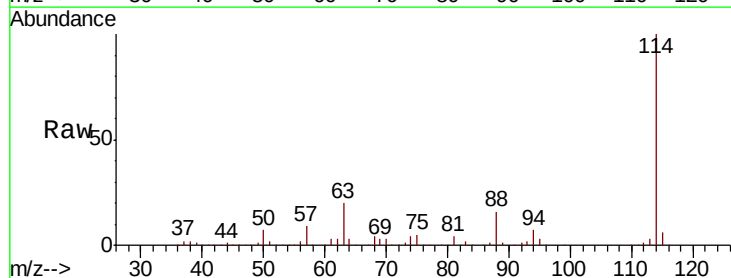
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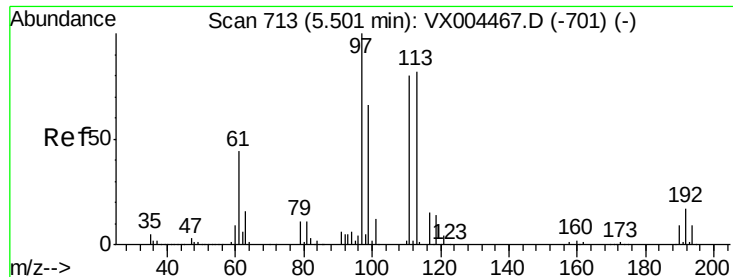
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX004482.D
 Acq: 11 Sep 2018 22:48

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	336818		
63	20.2	0.0	39.0	
88	16.1	0.0	30.4	





#35

Dibromofluoromethane

Concen: 43.29 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX004482.D

Acq: 11 Sep 2018 22:48

Instrument :

MSVOA_X

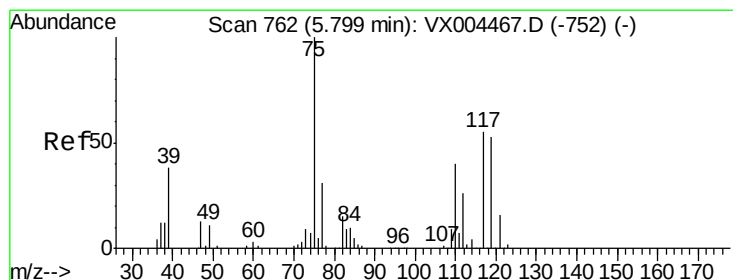
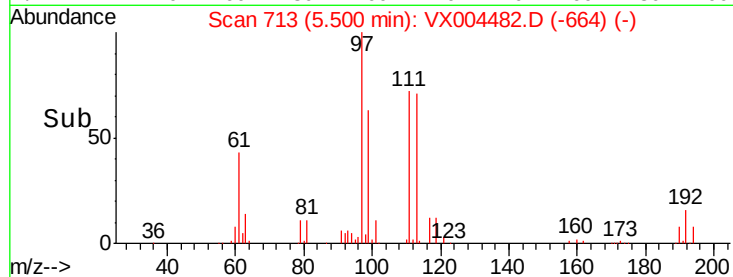
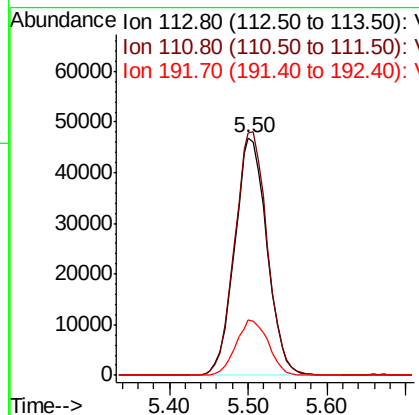
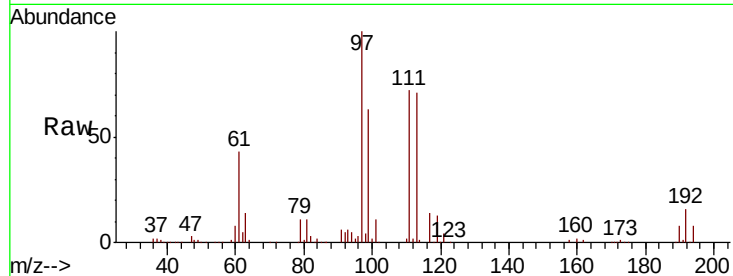
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	133432
Ion Ratio	Lower	Upper	
113	100		
111	103.2	82.4	123.6
192	23.4	19.4	29.2

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 46.42 ug/l

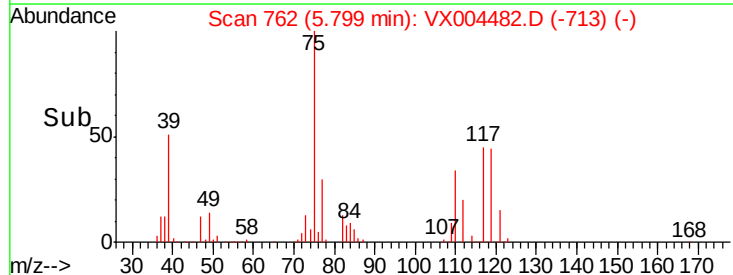
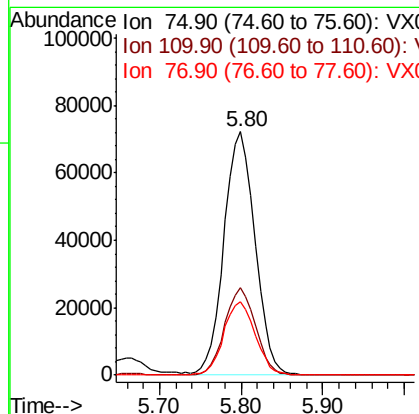
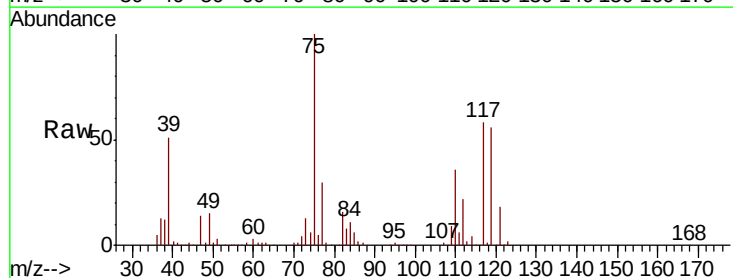
RT: 5.80 min Scan# 762

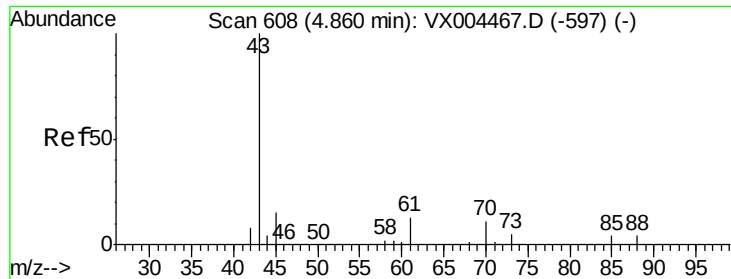
Delta R.T. -0.00 min

Lab File: VX004482.D

Acq: 11 Sep 2018 22:48

Tgt Ion:	75	Resp:	189804
Ion Ratio	Lower	Upper	
75	100		
110	35.8	18.0	54.0
77	30.8	24.6	36.8





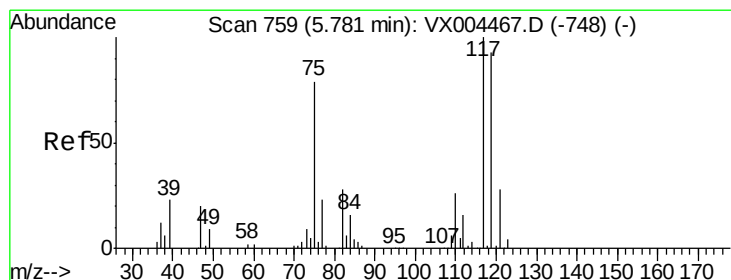
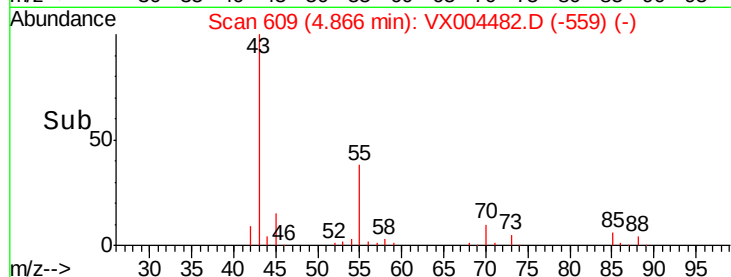
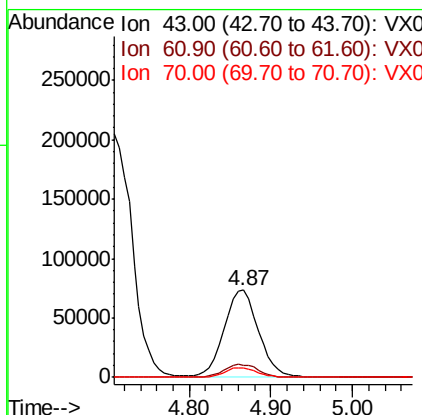
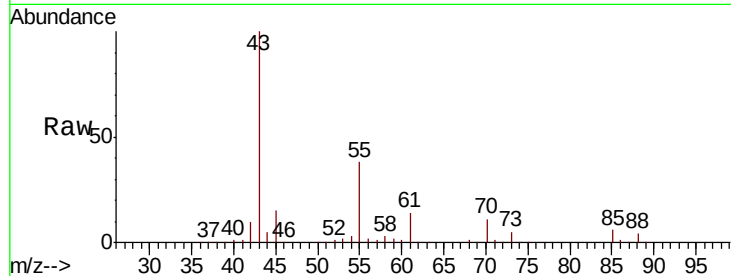
#37
Ethyl Acetate
Concen: 45.98 ug/l
RT: 4.87 min Scan# 609
Delta R.T. 0.01 min
Lab File: VX004482.D
Acq: 11 Sep 2018 22:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.5	17.3
70	10.7	9.0	13.6

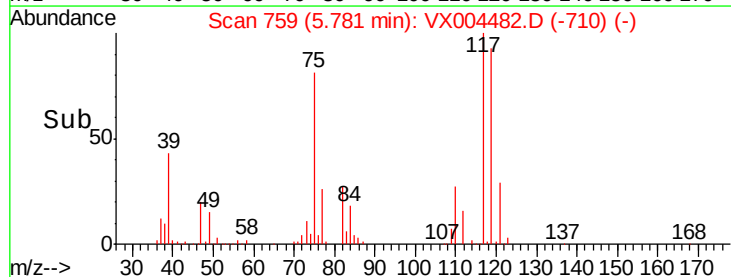
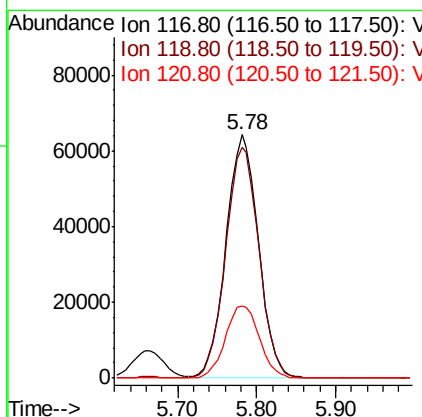
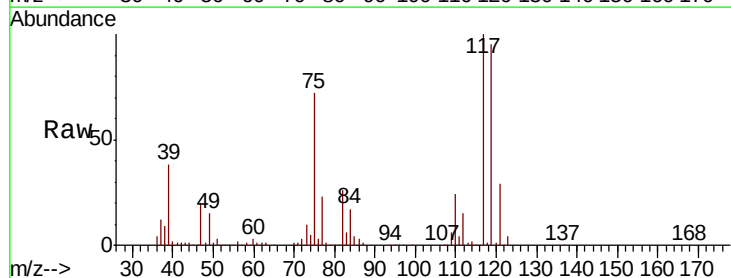
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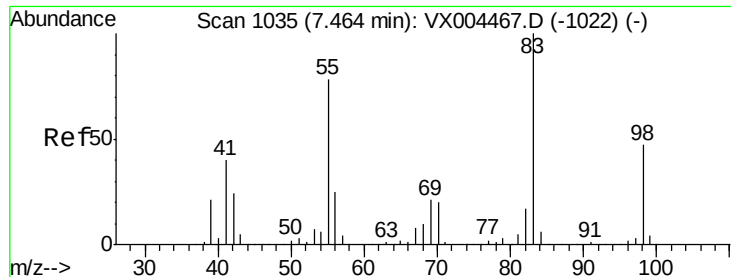
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#38
Carbon Tetrachloride
Concen: 46.16 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX004482.D
Acq: 11 Sep 2018 22:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.8	78.8	118.2
121	29.5	24.9	37.3





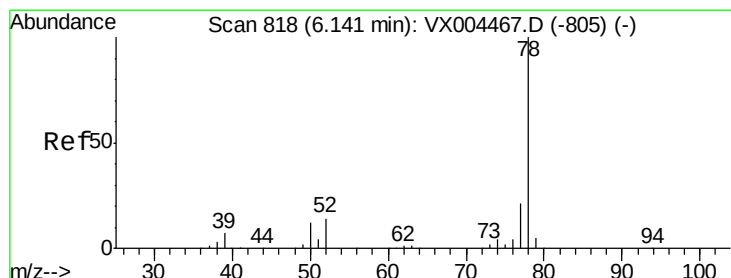
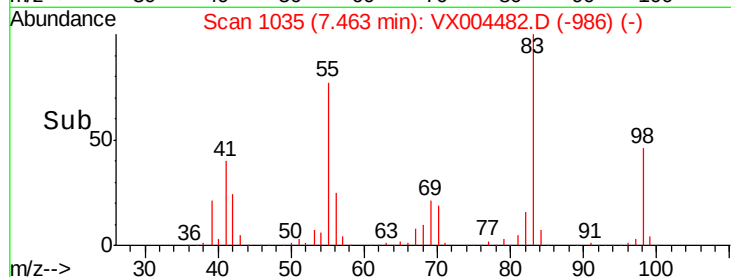
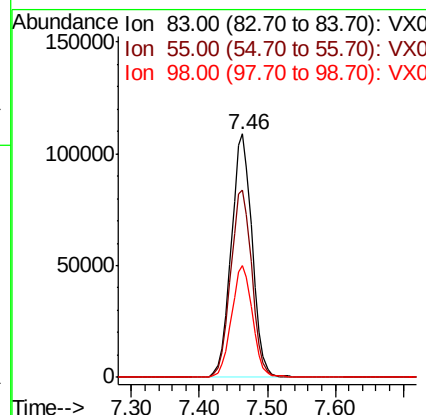
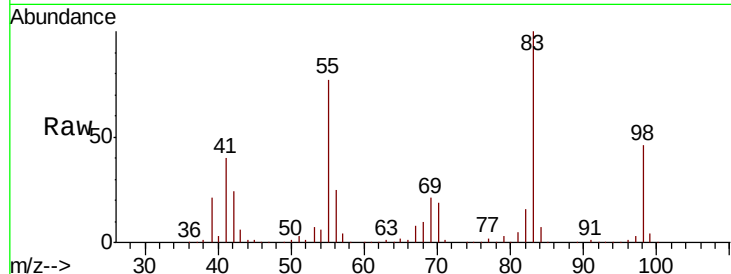
#39
Methylvlcyclohexane
Concen: 54.22 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX004482.D
Acq: 11 Sep 2018 22:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	231371		
55	76.8		61.0	91.4
98	46.0		39.6	59.4

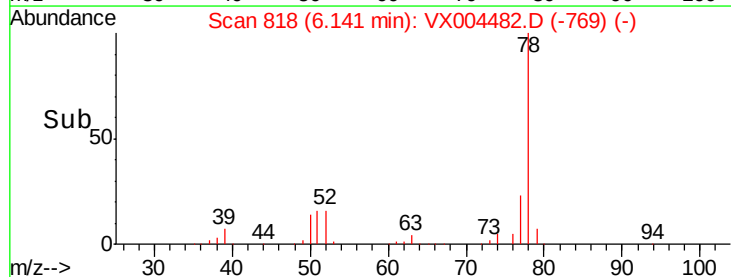
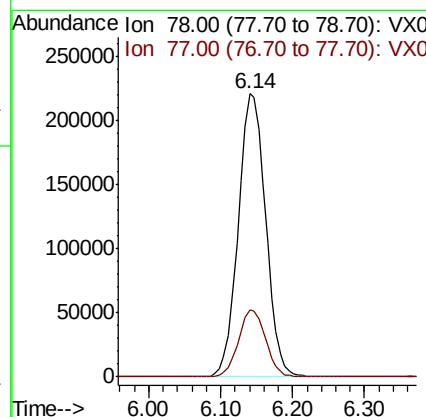
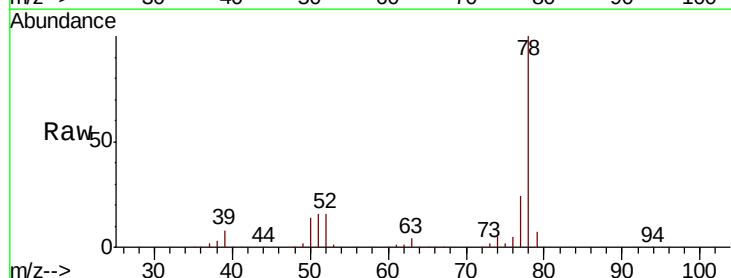
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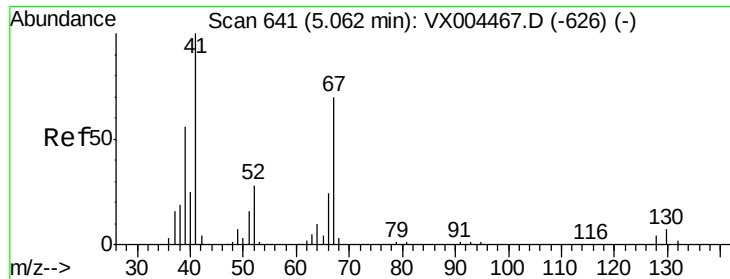
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#40
Benzene
Concen: 48.02 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX004482.D
Acq: 11 Sep 2018 22:48

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	582582		
77	23.8		19.0	28.4





#41

Methacrylonitrile

Concen: 50.98 ug/l

RT: 5.06 min Scan# 641

Delta R.T. -0.00 min

Lab File: VX004482.D

Acq: 11 Sep 2018 22:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 130645
Ion Ratio Lower Upper

41 100

39 52.7 42.4 63.6

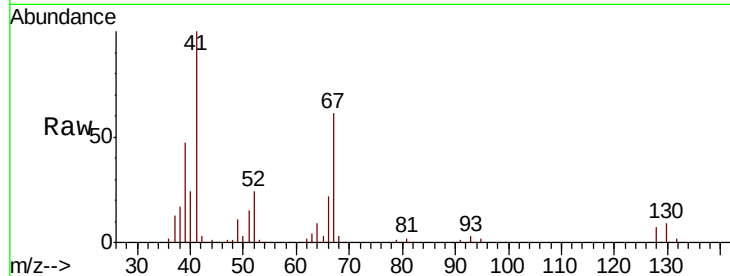
67 70.2 59.2 88.8

52 27.2 23.0 34.4

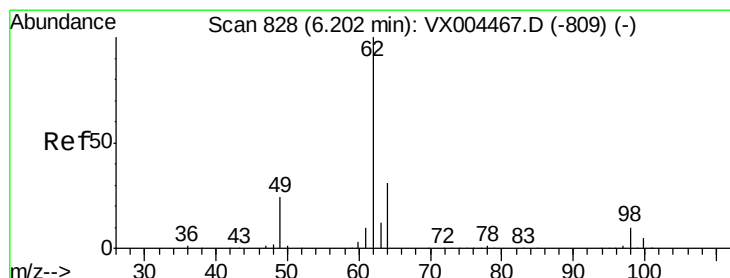
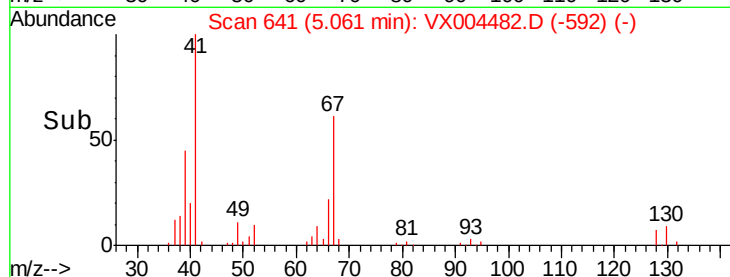
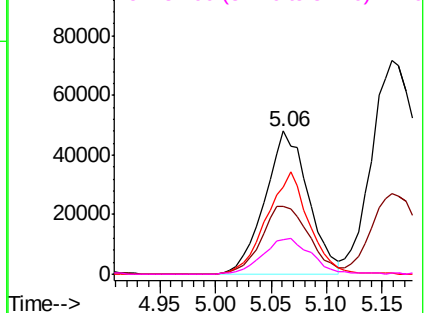
Manual Integrations
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Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 48.35 ug/l

RT: 6.20 min Scan# 827

Delta R.T. -0.01 min

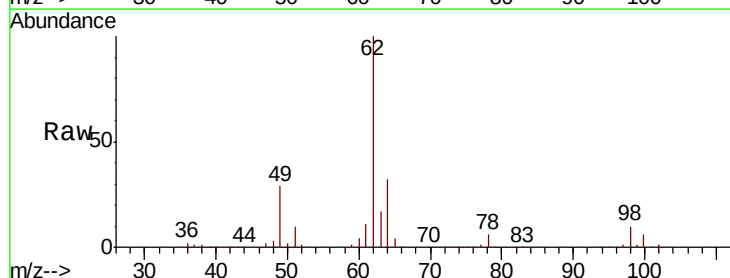
Lab File: VX004482.D

Acq: 11 Sep 2018 22:48

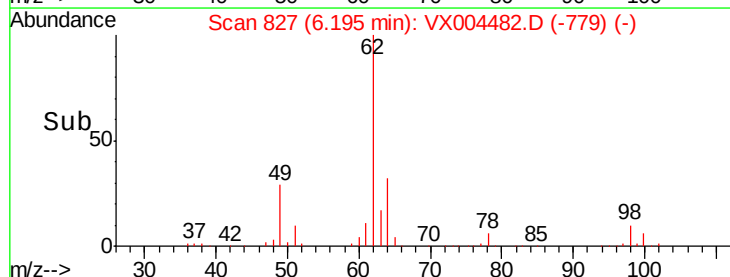
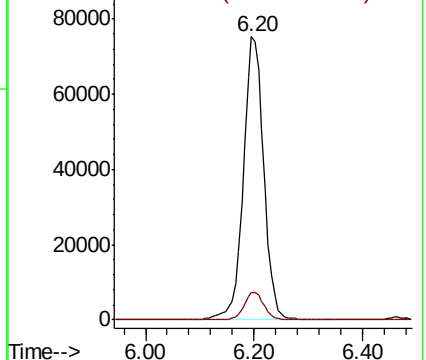
Tgt Ion: 62 Resp: 194545
Ion Ratio Lower Upper

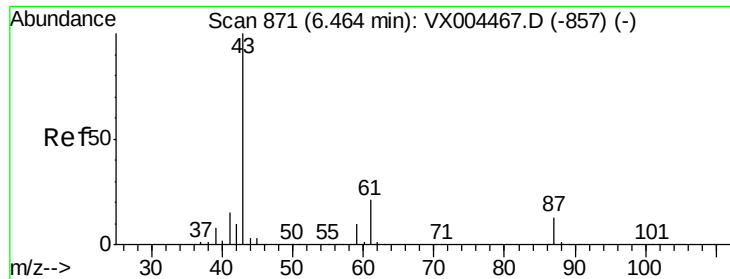
62 100

98 9.5 0.0 20.6



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





#43

Isopropyl Acetate

Concen: 52.01 ug/l

RT: 6.47 min Scan# 872

Delta R.T. 0.01 min

Lab File: VX004482.D

Acq: 11 Sep 2018 22:48

Instrument :

MSVOA_X

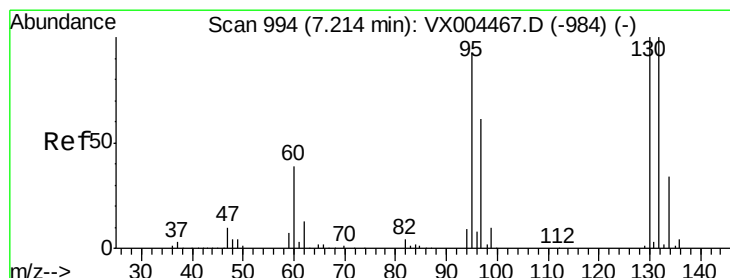
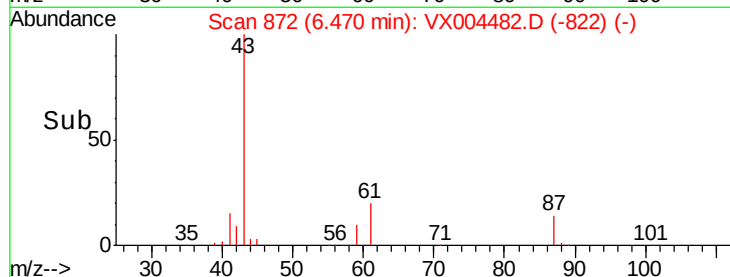
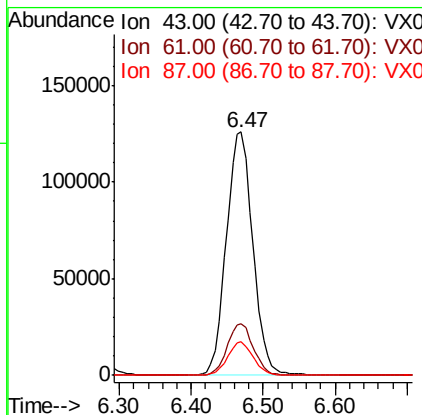
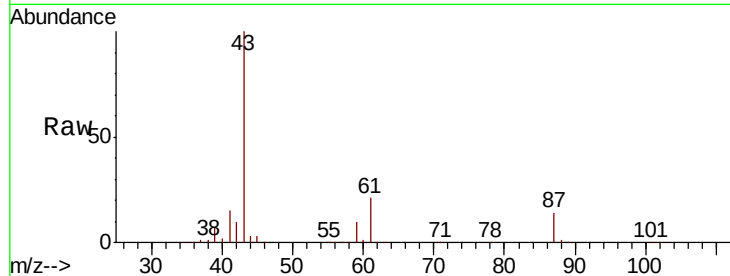
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	321267
Ion	Ratio	Lower	Upper
43	100		
61	21.0	17.0	25.4
87	13.3	11.4	17.2

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#44

Trichloroethene

Concen: 50.34 ug/l

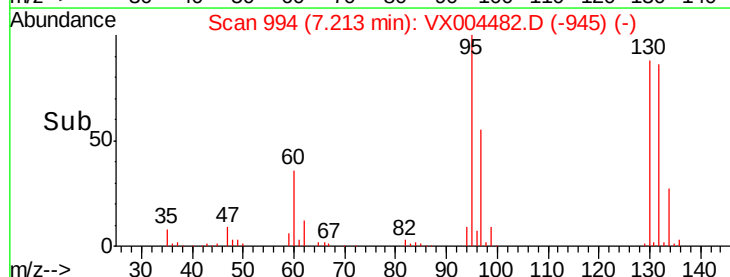
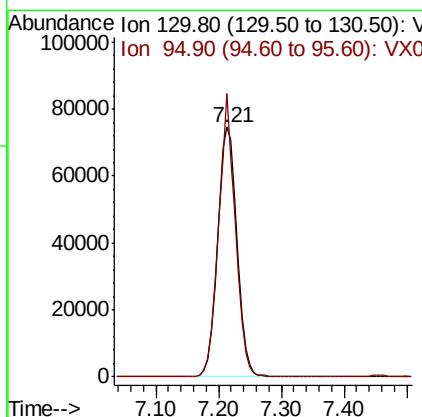
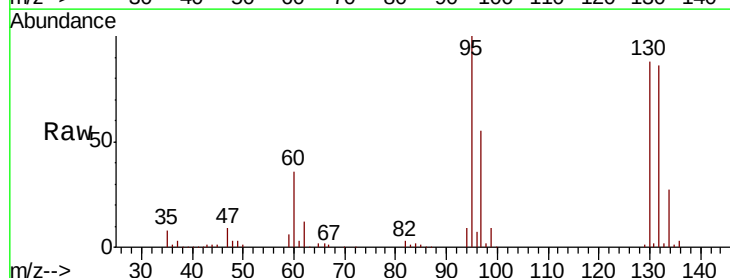
RT: 7.21 min Scan# 994

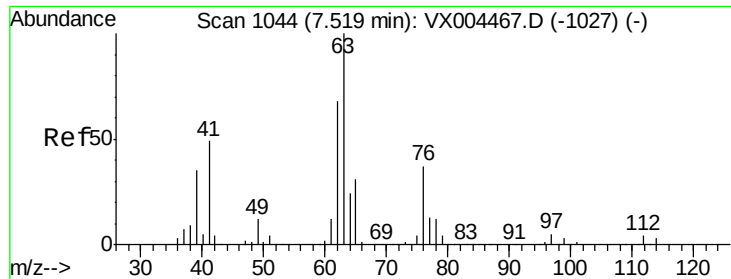
Delta R.T. -0.00 min

Lab File: VX004482.D

Acq: 11 Sep 2018 22:48

Tgt Ion:	130	Resp:	158679
Ion	Ratio	Lower	Upper
130	100		
95	113.5	0.0	181.6





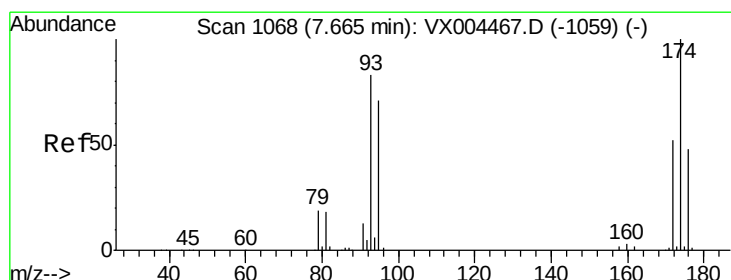
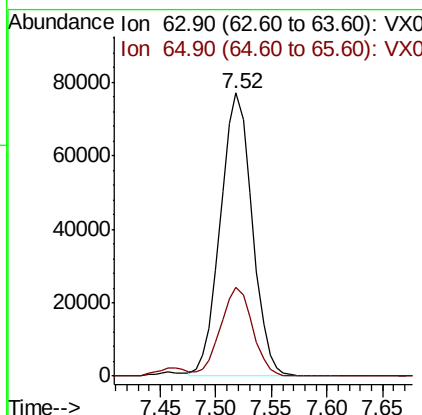
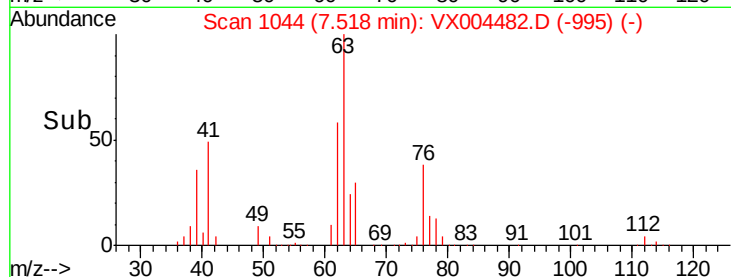
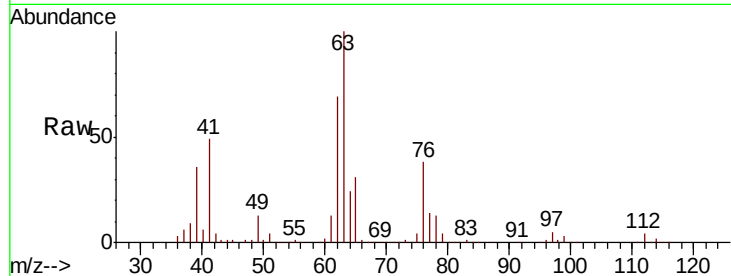
#45
 1,2-Dichloropropane
 Concen: 52.14 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. -0.00 min
 Lab File: VX004482.D
 Acq: 11 Sep 2018 22:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.2	24.3	36.5

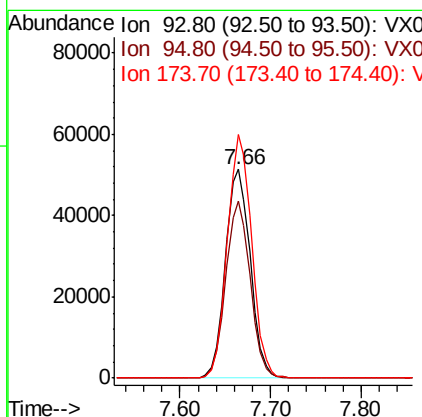
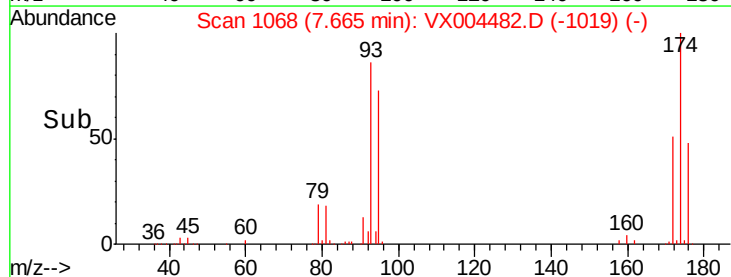
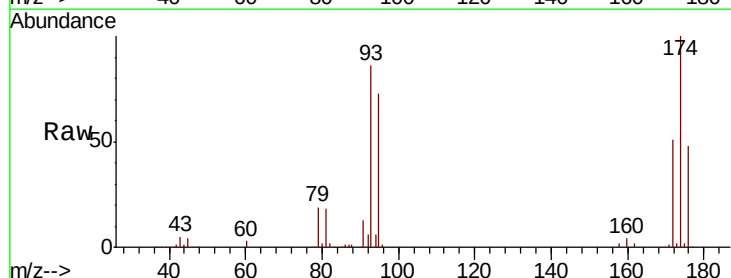
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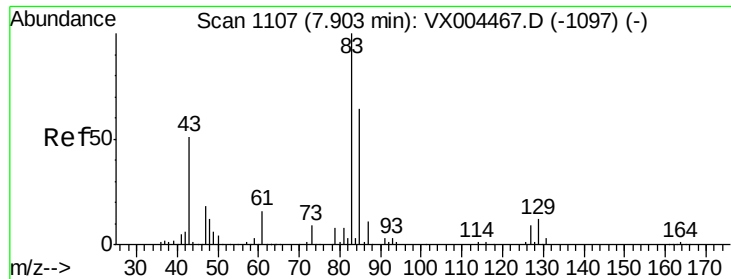
MMDadoda
 9/12/2018 11:26:55 AM



#46
 Dibromomethane
 Concen: 53.03 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. -0.00 min
 Lab File: VX004482.D
 Acq: 11 Sep 2018 22:48

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.6	65.5	98.3
174	114.6	94.2	141.4





#47

Bromodichloromethane

Concen: 53.50 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VX004482.D

Acq: 11 Sep 2018 22:48

Instrument :

MSVOA_X

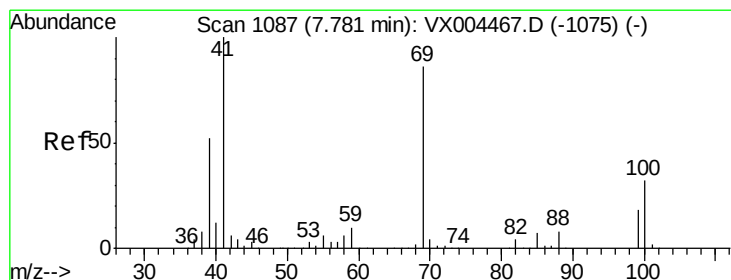
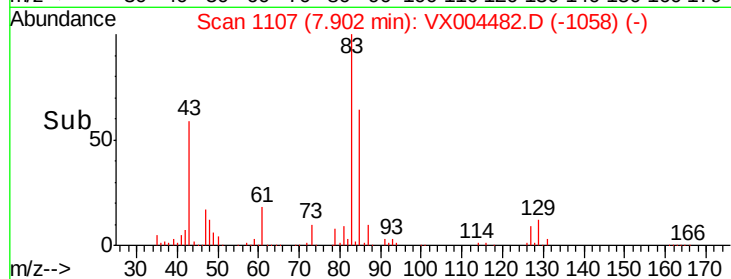
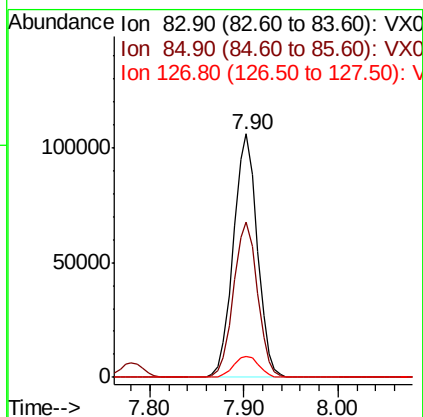
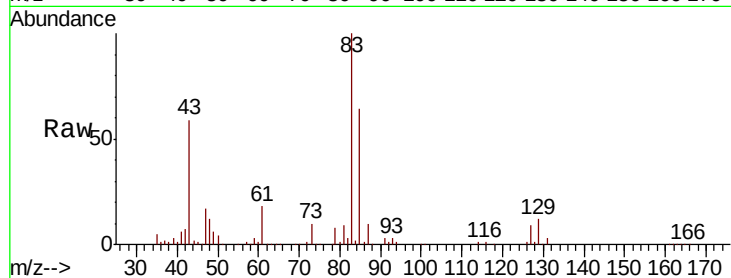
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	186595
Ion Ratio	Lower	Upper	
83	100		
85	64.0	50.9	76.3
127	8.8	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 57.06 ug/l

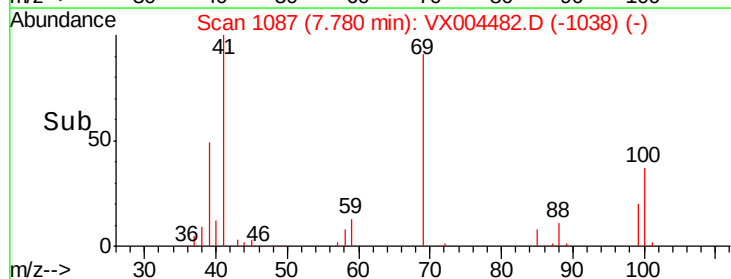
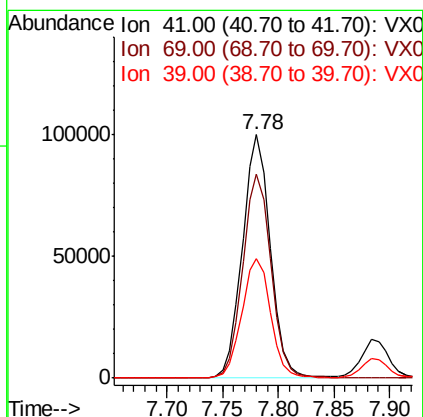
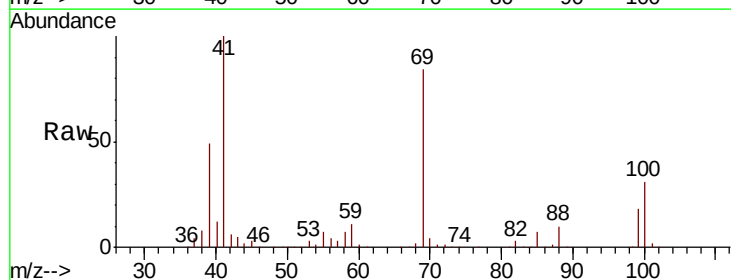
RT: 7.78 min Scan# 1087

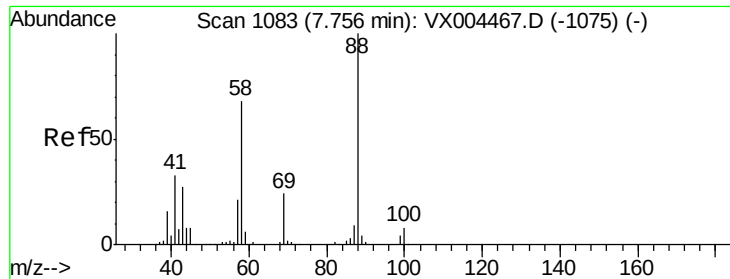
Delta R.T. -0.00 min

Lab File: VX004482.D

Acq: 11 Sep 2018 22:48

Tgt Ion:	41	Resp:	174427
Ion Ratio	Lower	Upper	
41	100		
69	85.5	70.2	105.4
39	50.8	42.7	64.1





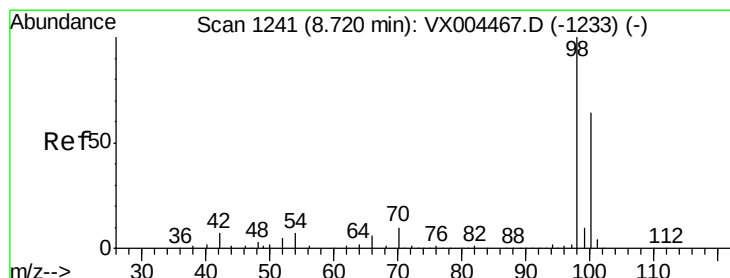
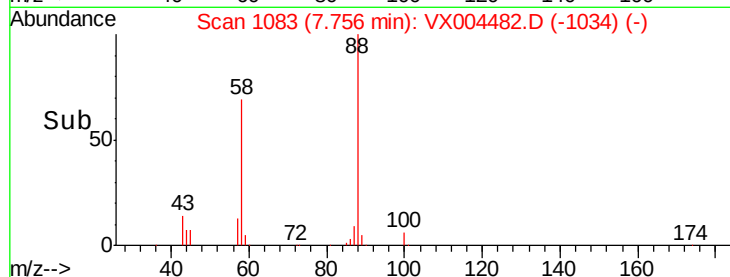
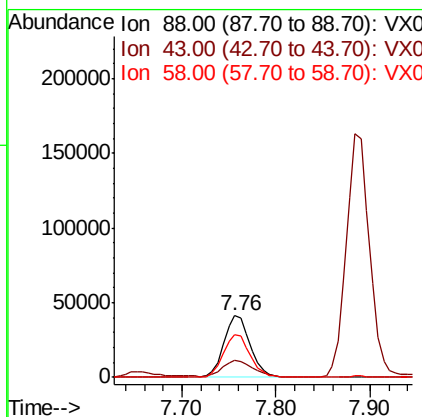
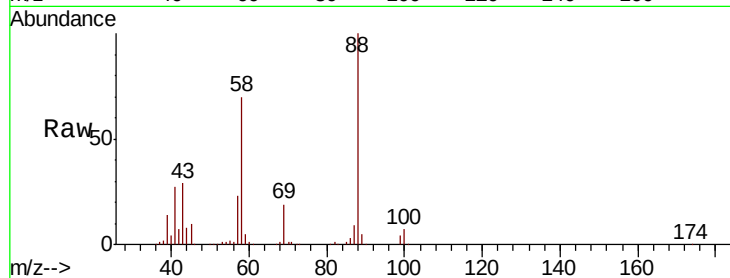
#49
1,4-Dioxane
Concen: 1095.47 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. -0.00 min
Lab File: VX004482.D
Acq: 11 Sep 2018 22:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.6	24.7	37.1
58	72.1	55.3	82.9

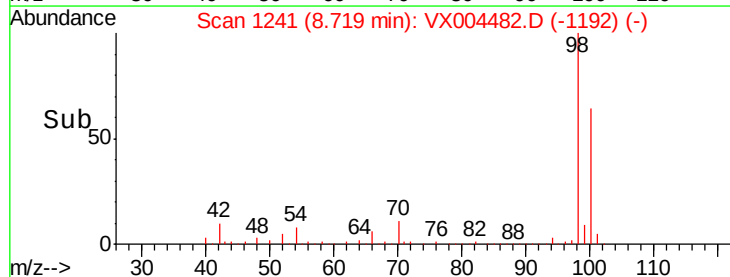
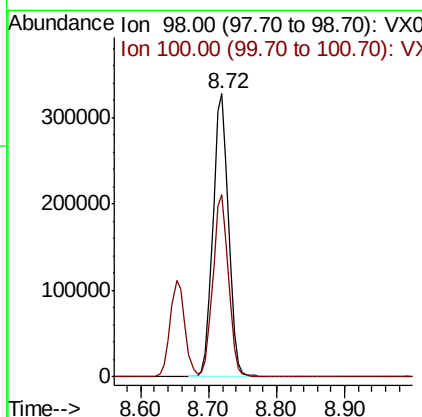
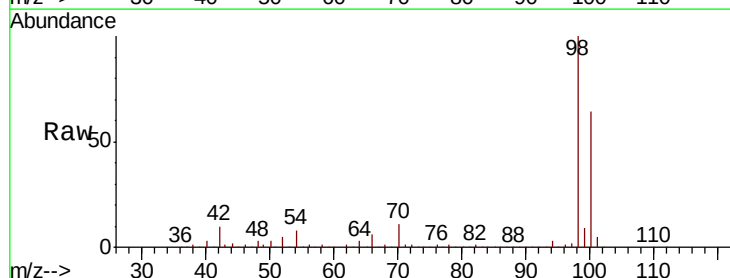
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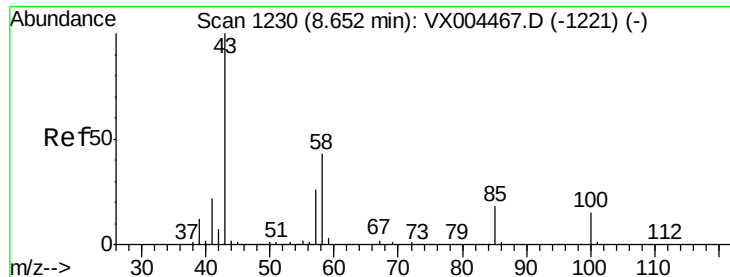
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#50
Toluene-d8
Concen: 50.36 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VX004482.D
Acq: 11 Sep 2018 22:48

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.9	79.3





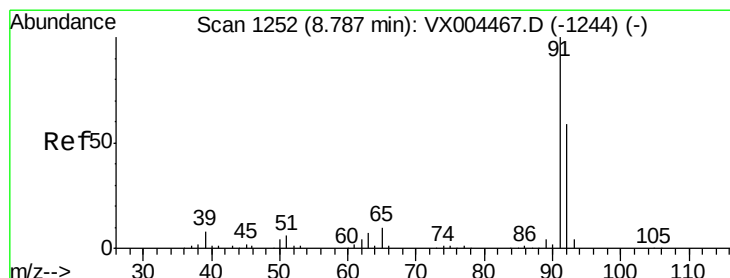
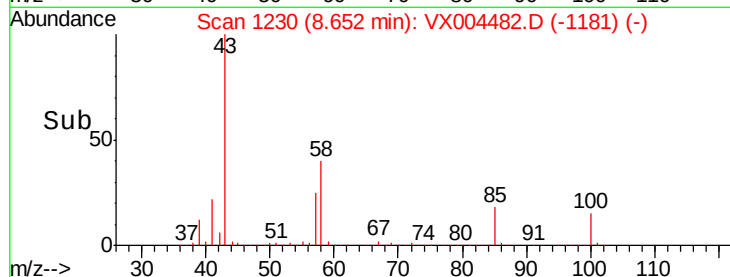
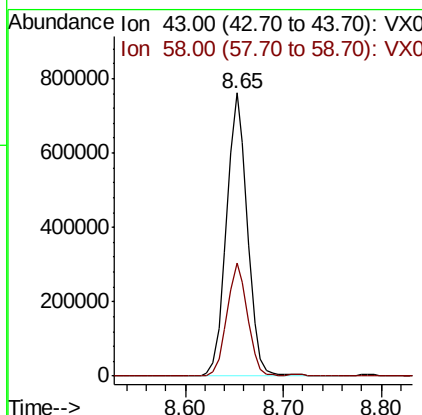
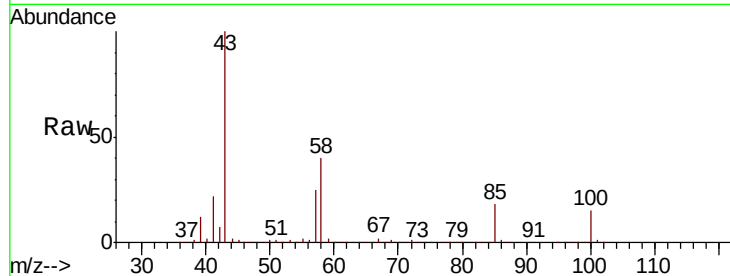
#51
 4-Methyl-2-Pentanone
 Concen: 259.14 ug/l
 RT: 8.65 min Scan# 1230
 Delta R.T. -0.00 min
 Lab File: VX004482.D
 Acq: 11 Sep 2018 22:48

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Tot Ion: 43 Resp: 1129654
 Ion Ratio Lower Upper
 43 100
 58 39.5 33.1 49.7

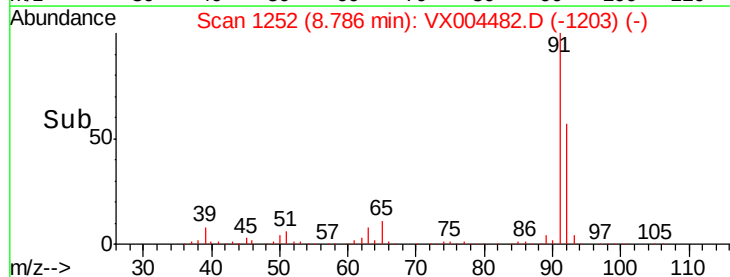
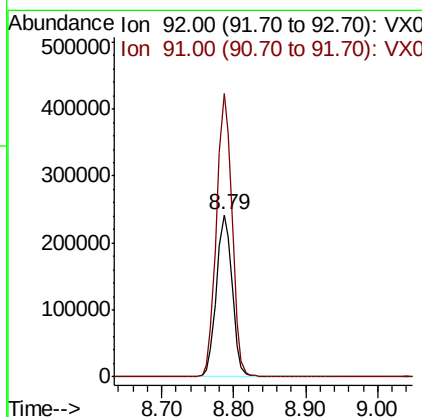
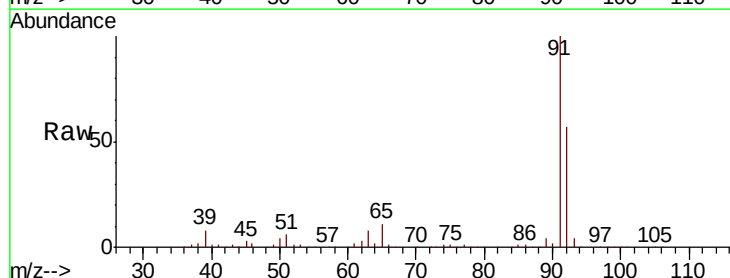
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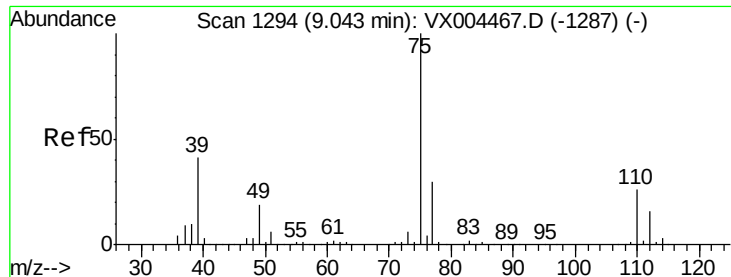
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#52
 Toluene
 Concen: 51.20 ug/l
 RT: 8.79 min Scan# 1252
 Delta R.T. -0.00 min
 Lab File: VX004482.D
 Acq: 11 Sep 2018 22:48

Tgt Ion: 92 Resp: 366003
 Ion Ratio Lower Upper
 92 100
 91 173.9 136.4 204.6





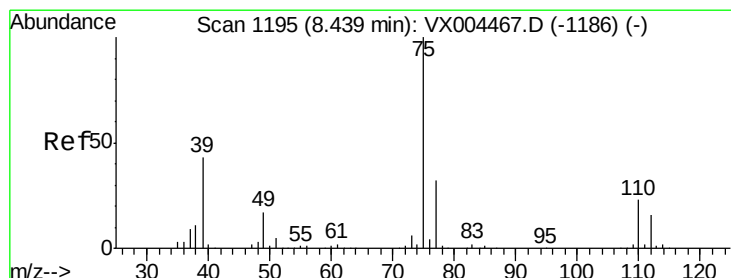
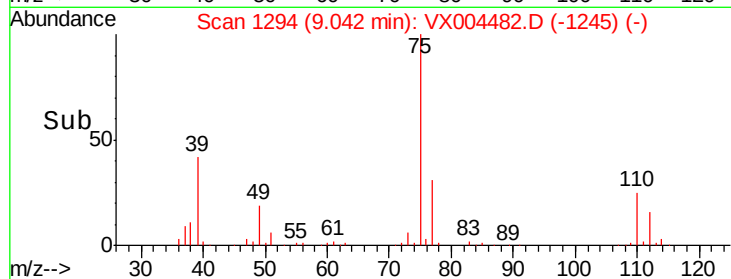
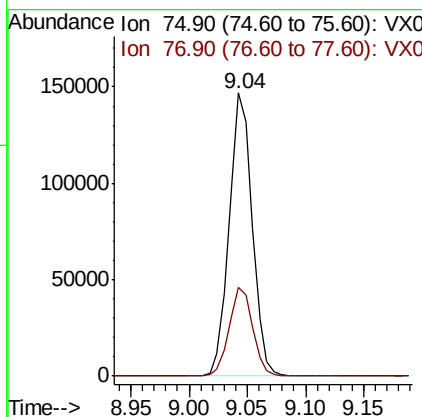
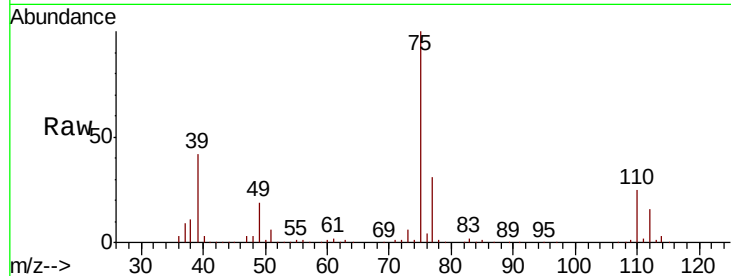
#53
 t-1,3-Dichloropropene
 Concen: 49.85 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. -0.00 min
 Lab File: VX004482.D
 Acq: 11 Sep 2018 22:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	24.6	37.0

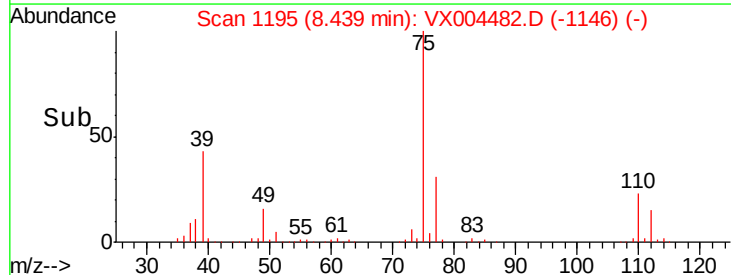
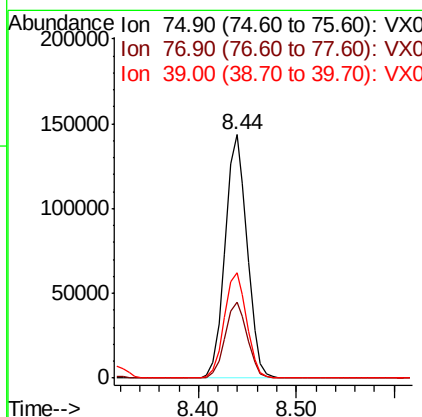
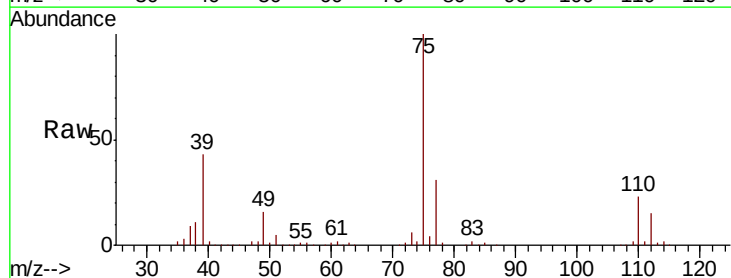
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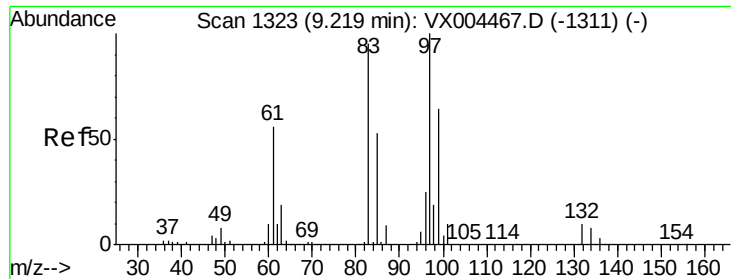
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#54
 cis-1,3-Dichloropropene
 Concen: 53.87 ug/l
 RT: 8.44 min Scan# 1195
 Delta R.T. -0.00 min
 Lab File: VX004482.D
 Acq: 11 Sep 2018 22:48

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	26.2	39.2
39	43.0	36.4	54.6





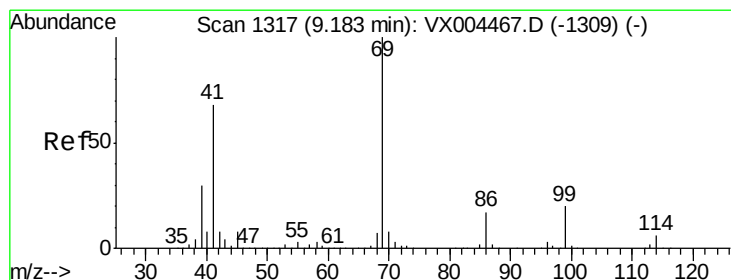
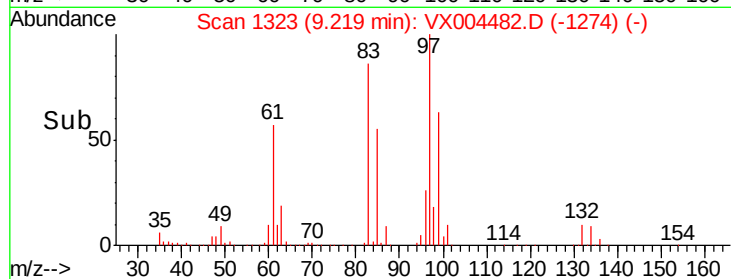
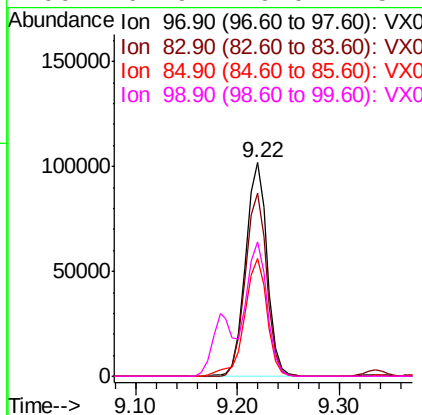
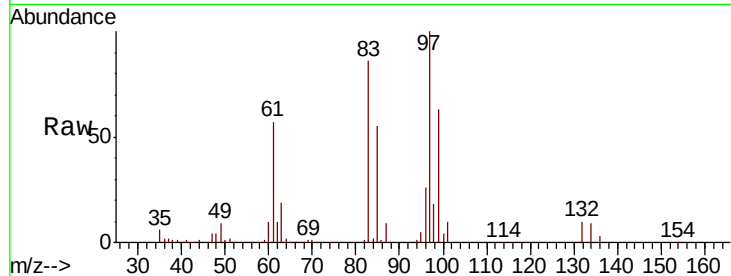
#55
 1,1,2-Trichloroethane
 Concen: 48.58 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VX004482.D
 Acq: 11 Sep 2018 22:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		149513		
83	85.9	66.4	99.6		
85	54.9	43.3	64.9		
99	62.9	49.0	73.4		

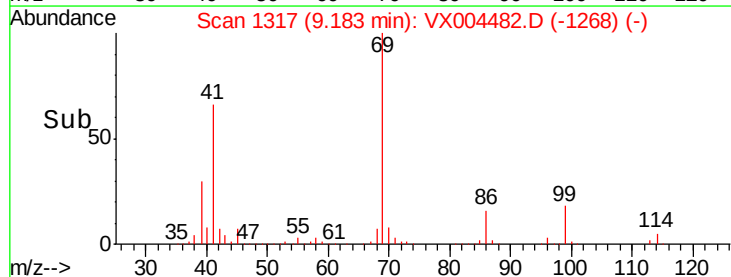
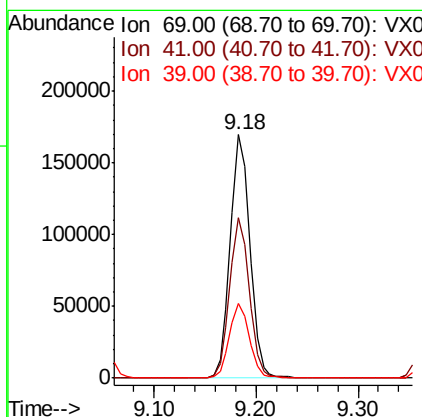
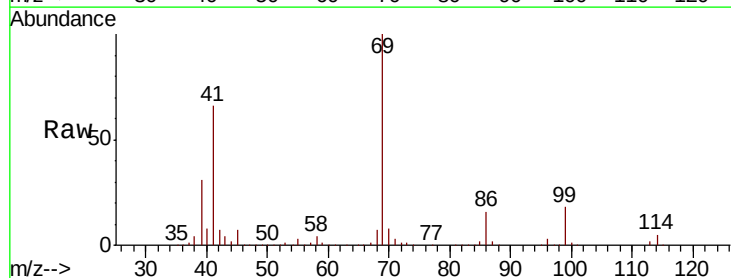
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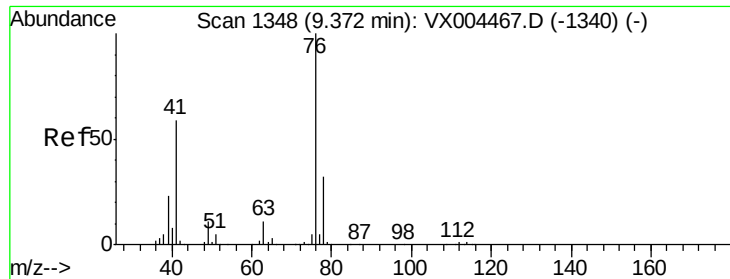
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#56
 Ethyl methacrylate
 Concen: 52.10 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX004482.D
 Acq: 11 Sep 2018 22:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		226835		
41	65.7	51.0	76.4		
39	31.0	26.1	39.1		





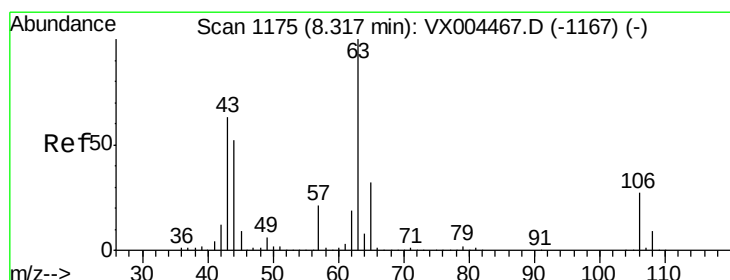
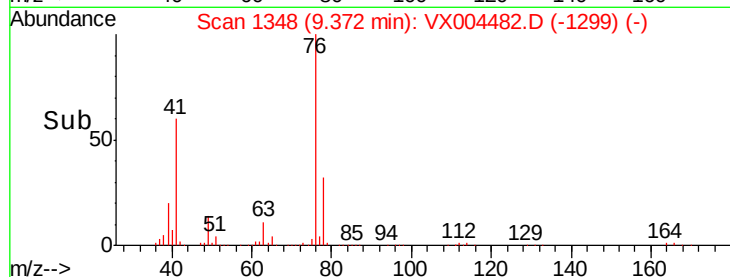
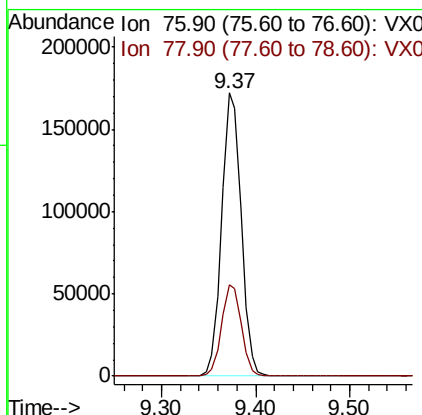
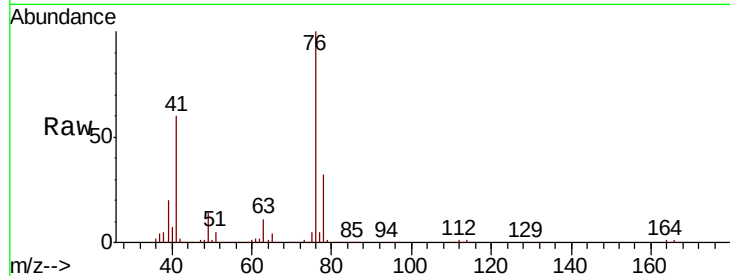
#57
 1,3-Dichloropropane
 Concen: 49.49 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX004482.D
 Acq: 11 Sep 2018 22:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.7	25.5	38.3

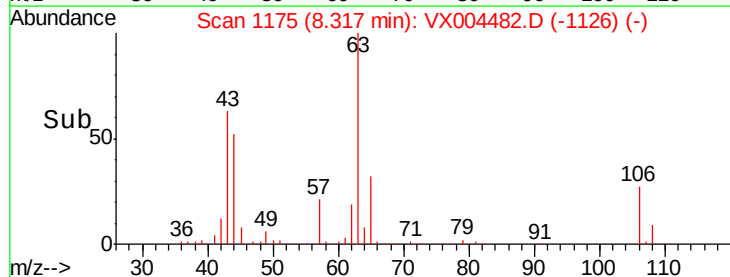
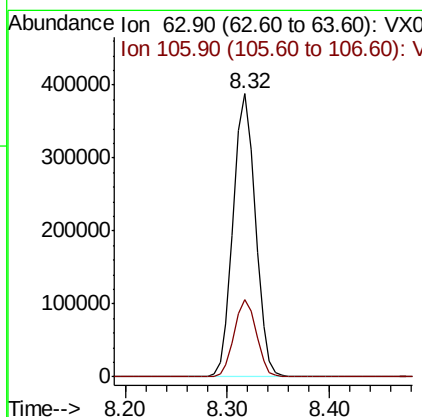
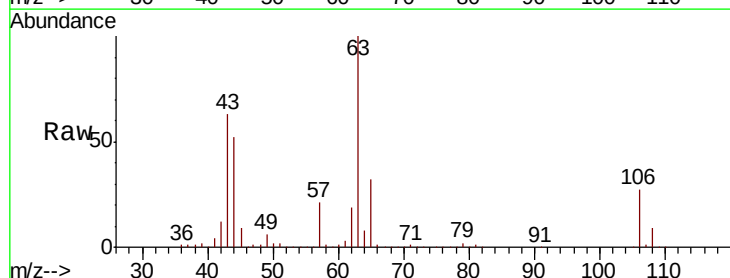
Manual Integrations
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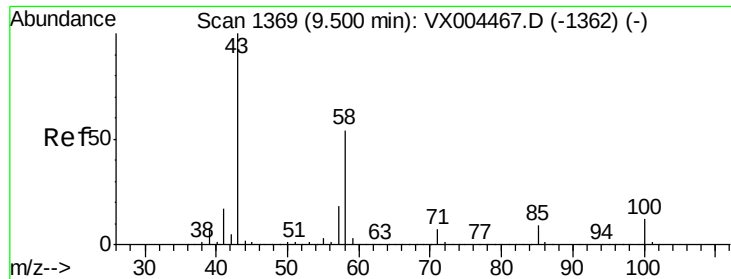
MMDadoda
 9/12/2018 11:26:55 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 263.88 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. -0.00 min
 Lab File: VX004482.D
 Acq: 11 Sep 2018 22:48

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.2	23.9	35.9





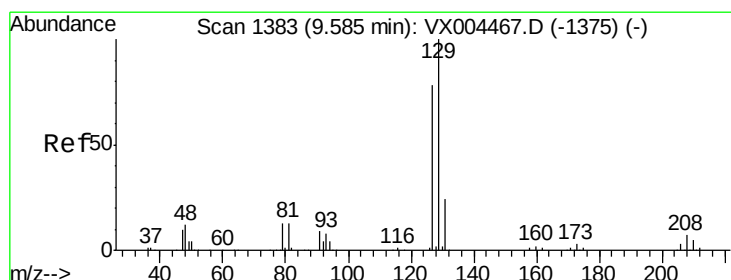
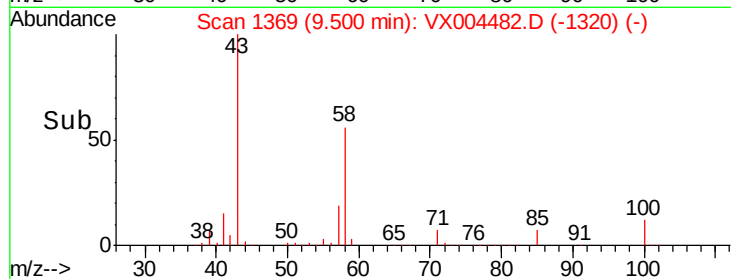
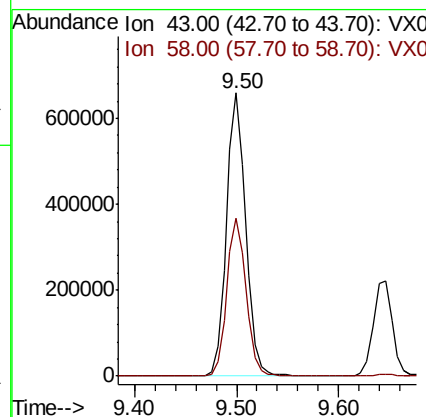
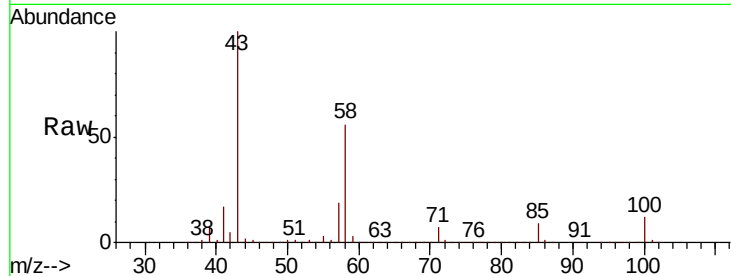
#59
2-Hexanone
Concen: 259.04 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VX004482.D
Acq: 11 Sep 2018 22:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.9	29.0	87.0

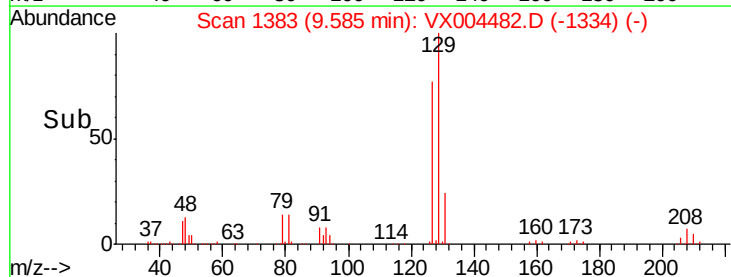
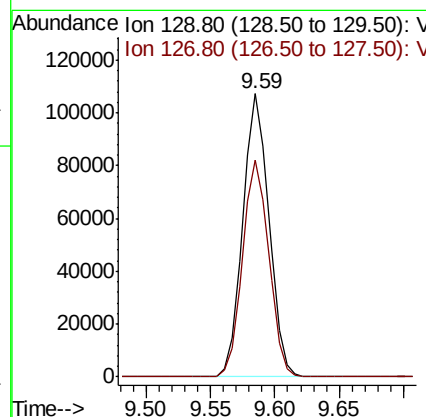
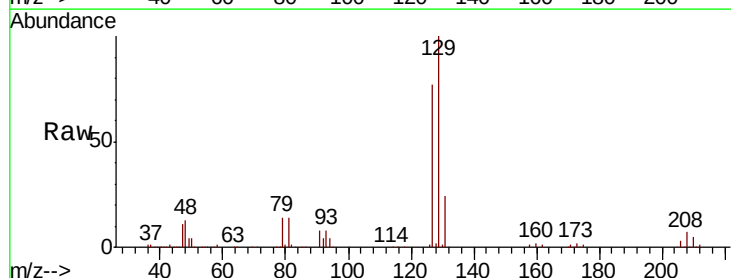
Manual Integrations
APPROVED

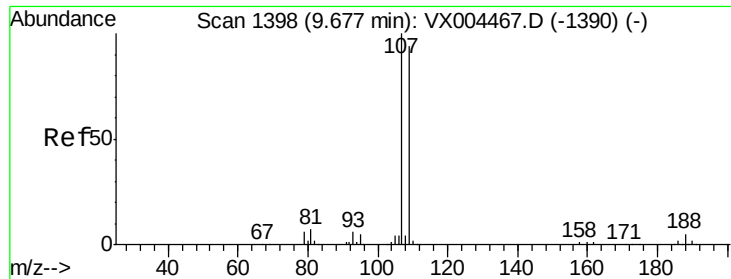
MMDadoda
9/12/2018 11:26:55 AM



#60
Dibromochloromethane
Concen: 52.04 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX004482.D
Acq: 11 Sep 2018 22:48

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.3	38.5	115.5





#61

1,2-Dibromoethane

Concen: 52.61 ug/l

RT: 9.68 min Scan# 1398

Delta R.T. -0.00 min

Lab File: VX004482.D

Acq: 11 Sep 2018 22:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 154676

Ion Ratio Lower Upper

107 100

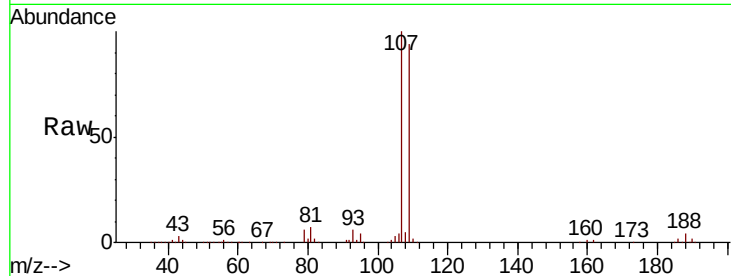
109 94.7 76.0 114.0

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

120000

100000

80000

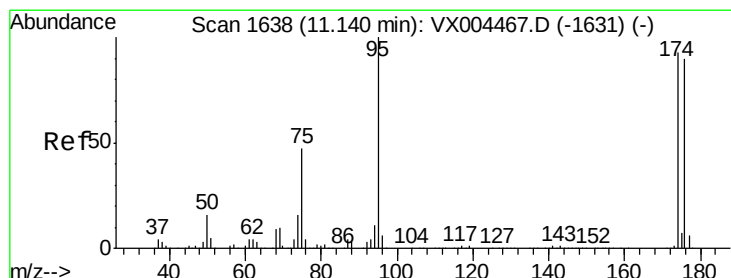
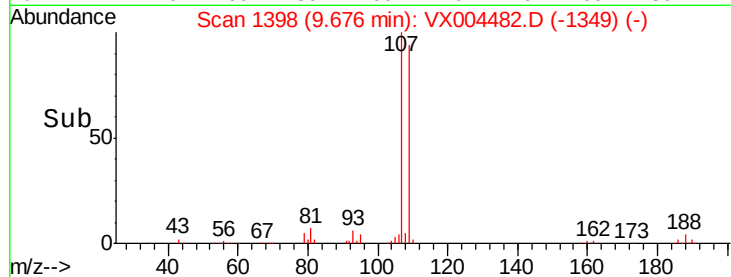
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 51.12 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX004482.D

Acq: 11 Sep 2018 22:48

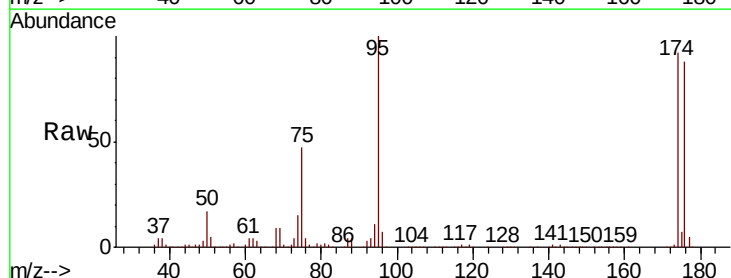
Tgt Ion: 95 Resp: 188596

Ion Ratio Lower Upper

95 100

174 92.0 0.0 185.2

176 87.9 0.0 178.6



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

200000

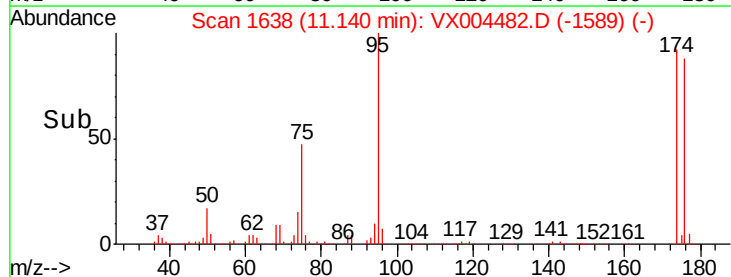
150000

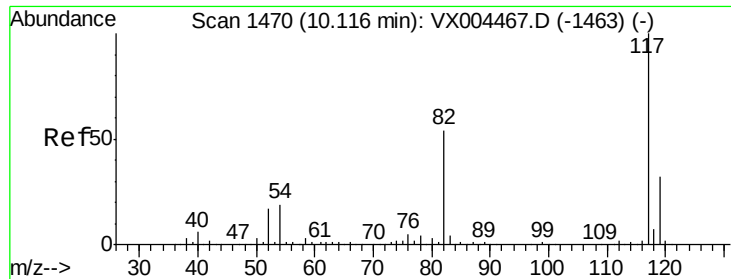
100000

50000

0

Time-->





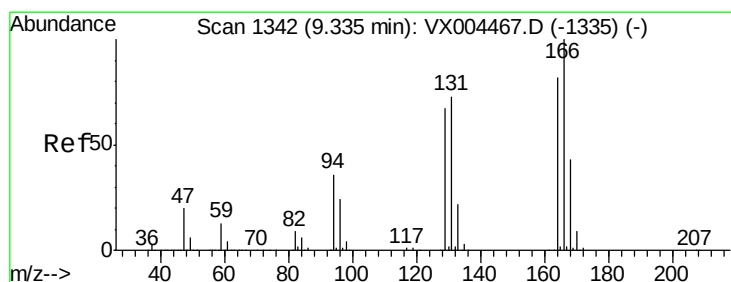
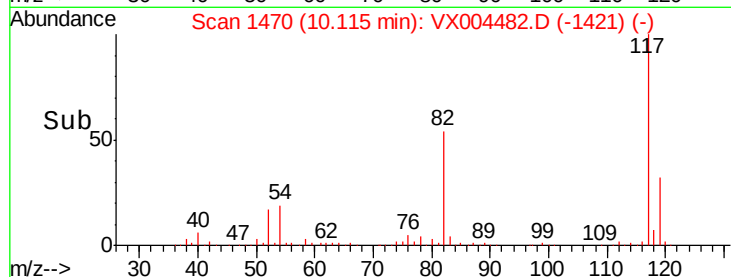
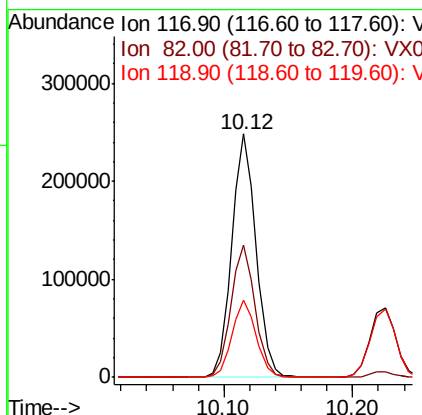
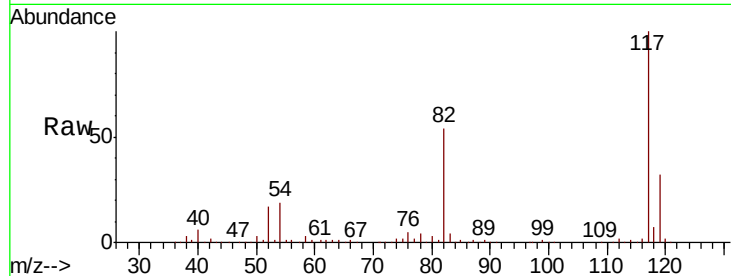
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004482.D
Acq: 11 Sep 2018 22:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.5	47.8	71.6
119	31.9	29.3	43.9

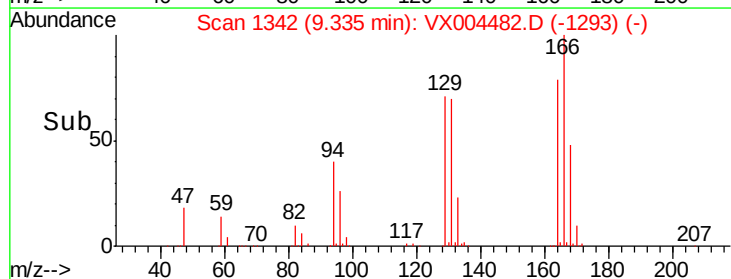
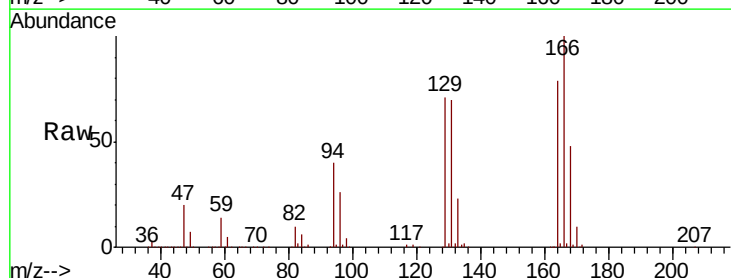
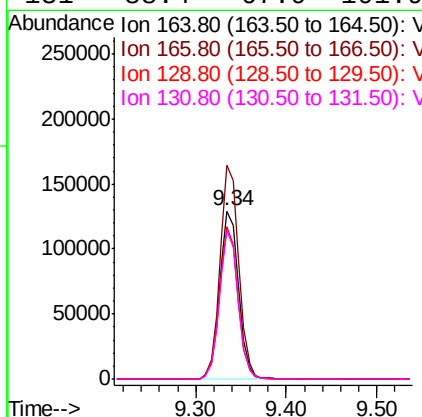
Manual Integrations
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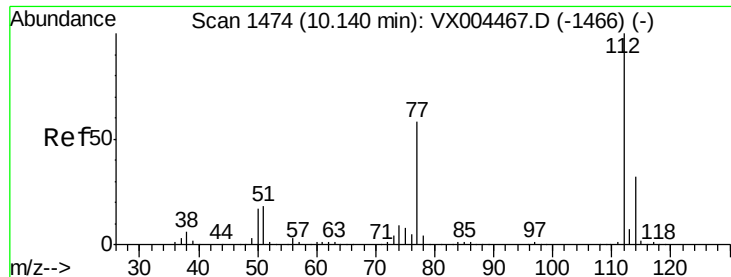
MMDadoda
9/12/2018 11:26:55 AM



#64
Tetrachloroethene
Concen: 45.75 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX004482.D
Acq: 11 Sep 2018 22:48

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.1	102.8	154.2
129	90.8	69.4	104.0
131	88.4	67.9	101.9





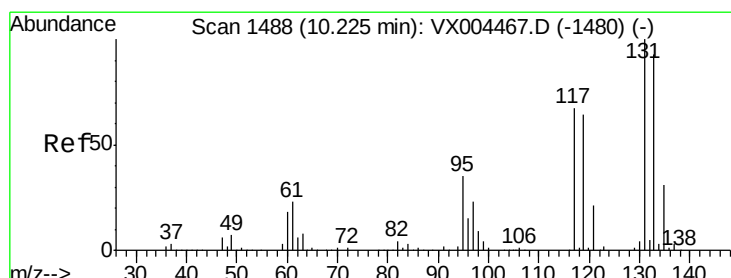
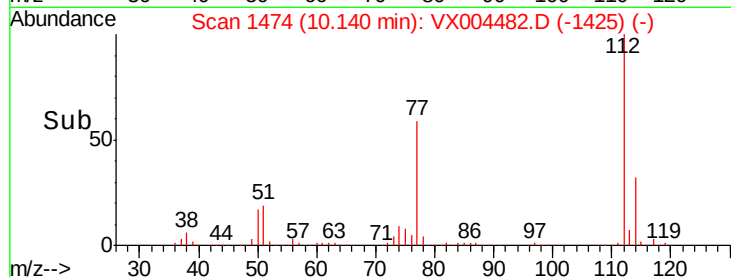
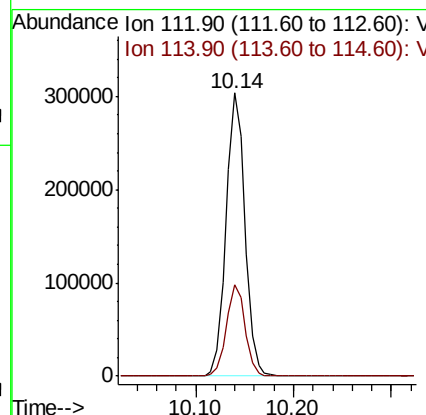
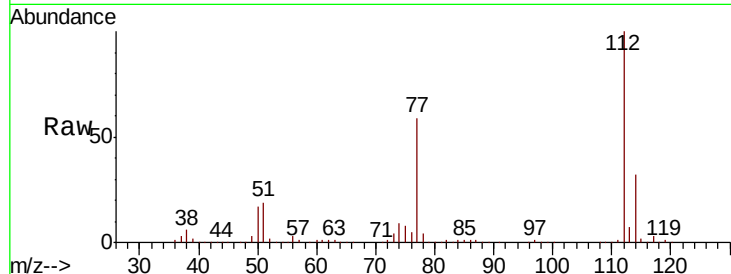
#65
Chlorobenzene
Concen: 50.10 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX004482.D
Acq: 11 Sep 2018 22:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 406630
Ion Ratio Lower Upper
112 100
114 32.3 27.8 41.8

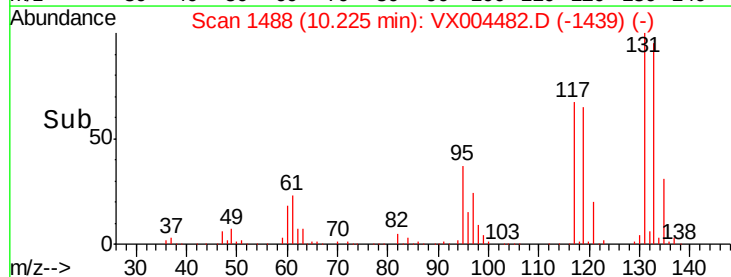
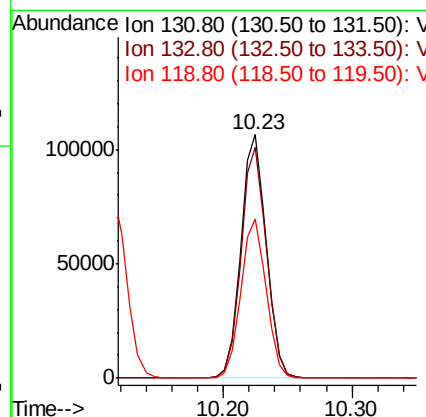
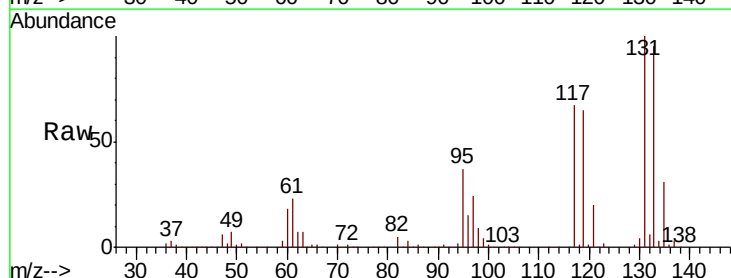
Manual Integrations
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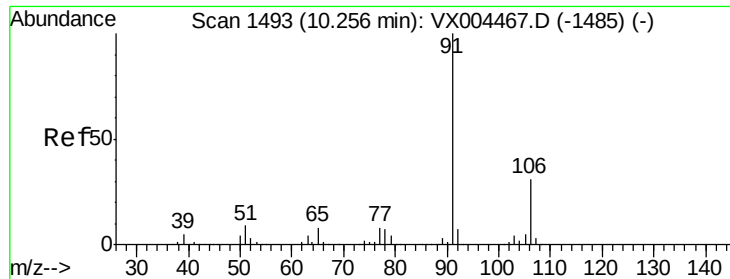
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.64 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. -0.00 min
Lab File: VX004482.D
Acq: 11 Sep 2018 22:48

Tgt Ion:131 Resp: 144527
Ion Ratio Lower Upper
131 100
133 95.2 48.1 144.4
119 65.8 32.9 98.6





#67

Ethyl Benzene

Concen: 52.71 ug/l

RT: 10.26 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VX004482.D

Acq: 11 Sep 2018 22:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 695564

Ion Ratio Lower Upper

91 100

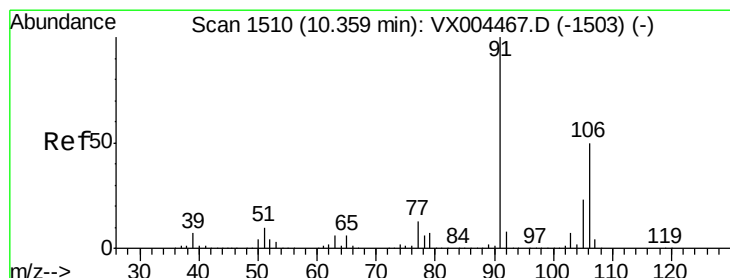
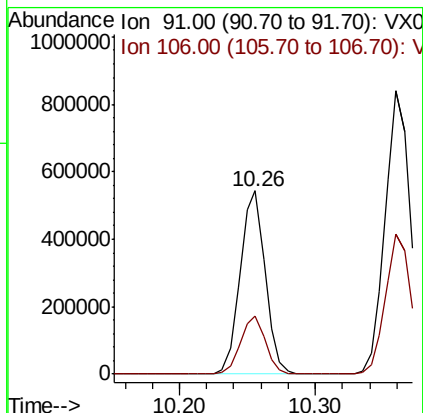
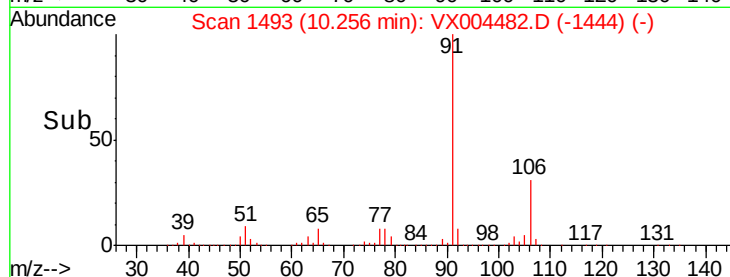
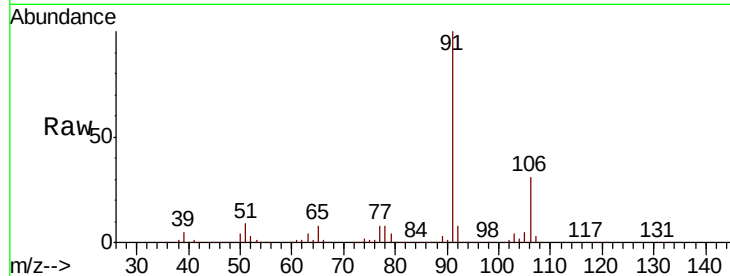
106 31.5 25.9 38.9

Manual Integrations

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#68

m/p-Xylenes

Concen: 107.09 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX004482.D

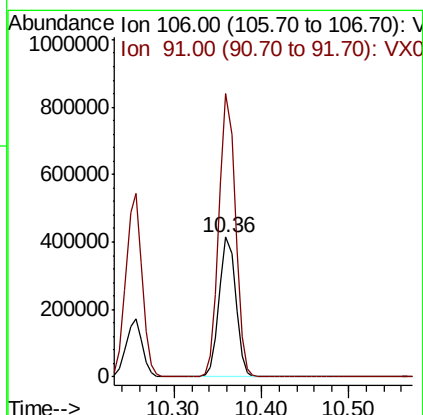
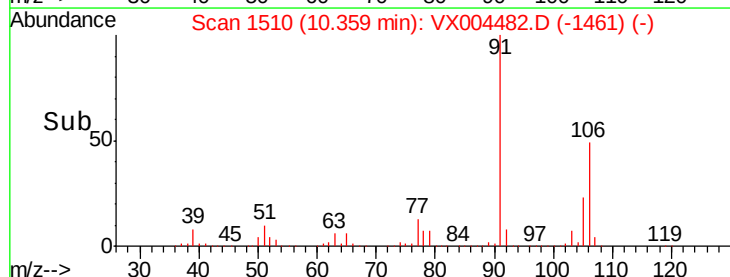
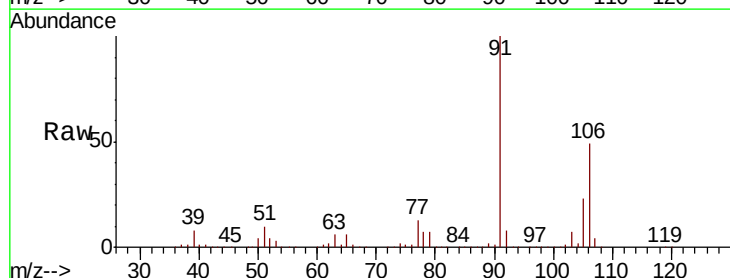
Acq: 11 Sep 2018 22:48

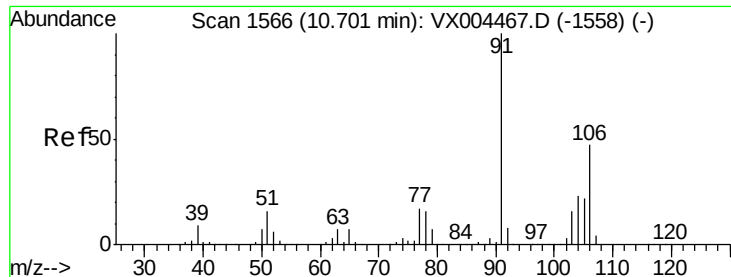
Tgt Ion: 106 Resp: 544381

Ion Ratio Lower Upper

106 100

91 200.9 157.1 235.7





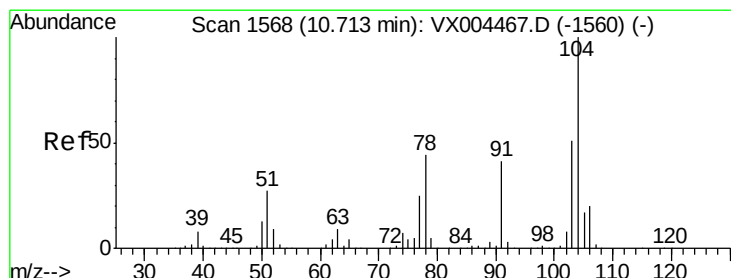
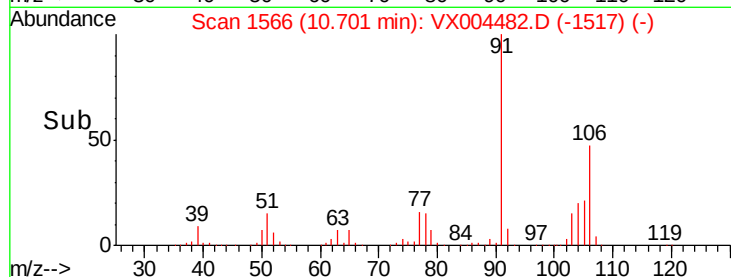
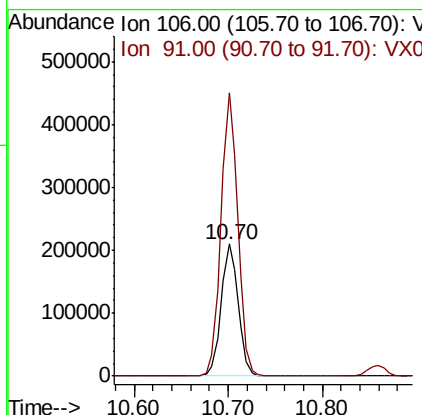
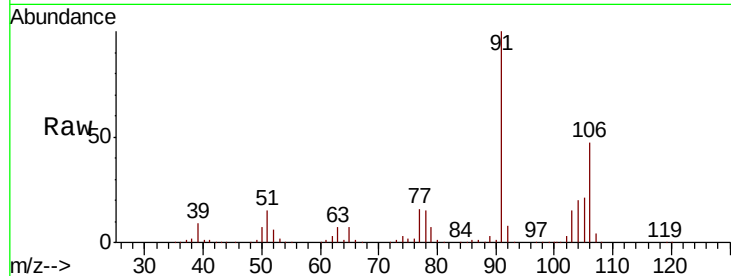
#69
o-Xylene
Concen: 53.65 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX004482.D
Acq: 11 Sep 2018 22:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	212.6	105.1	315.1	

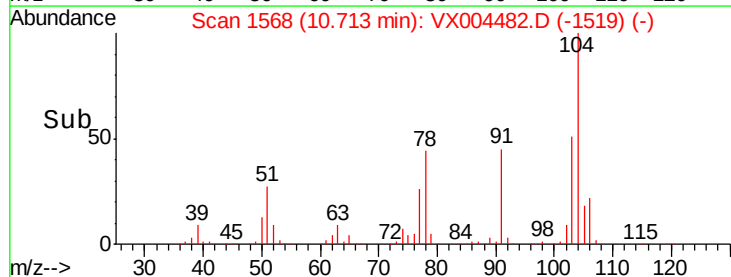
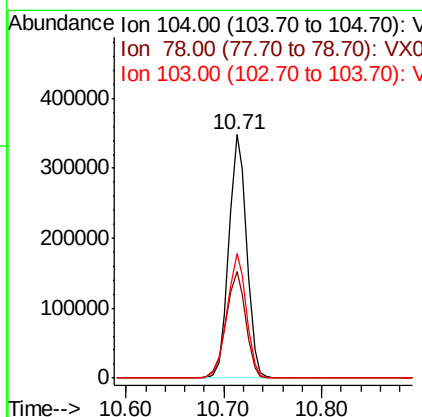
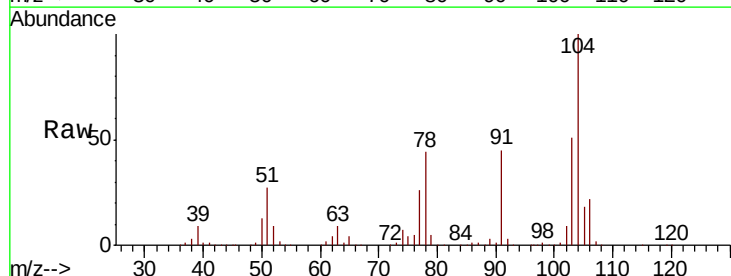
Manual Integrations
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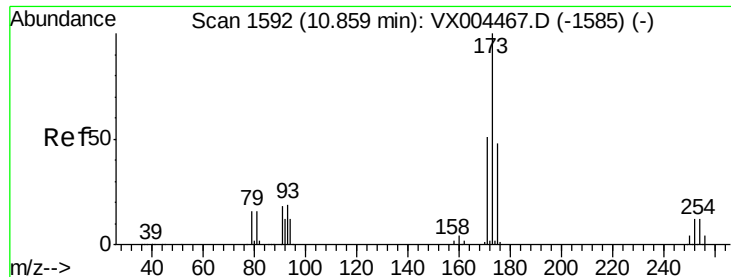
MMDadoda
9/12/2018 11:26:55 AM



#70
Styrene
Concen: 54.58 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX004482.D
Acq: 11 Sep 2018 22:48

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	48.3	37.4	56.0	
103	55.2	43.8	65.6	





#71

Bromoform

Concen: 52.32 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX004482.D

Acq: 11 Sep 2018 22:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 120226

Ion Ratio Lower Upper

173 100

175 48.7 24.1 72.3

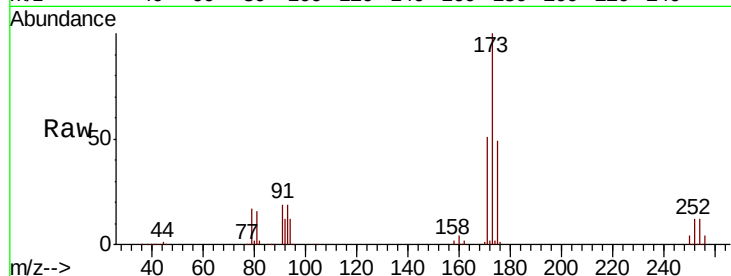
254 0.2 0.2 0.2

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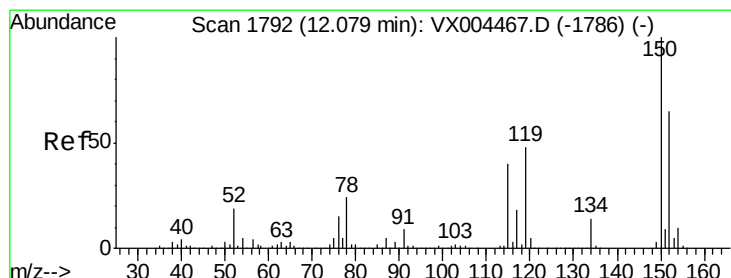
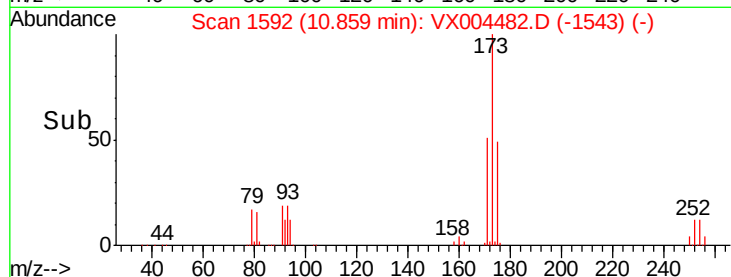
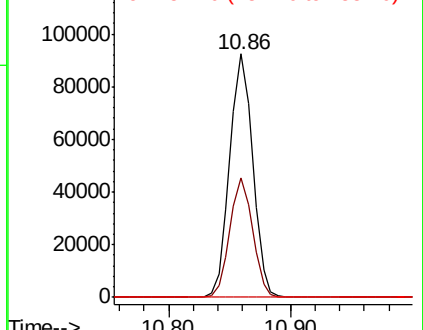
9/12/2018 11:26:55 AM



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: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX004482.D

Acq: 11 Sep 2018 22:48

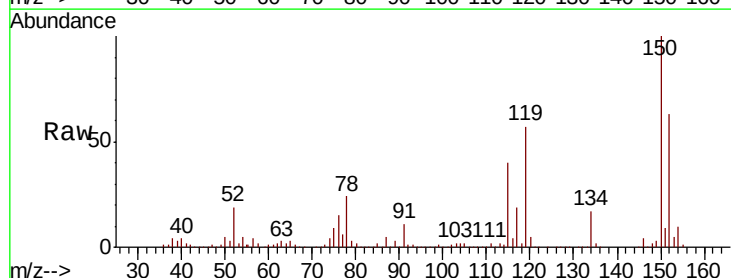
Tgt Ion:152 Resp: 197239

Ion Ratio Lower Upper

152 100

115 79.6 39.0 117.0

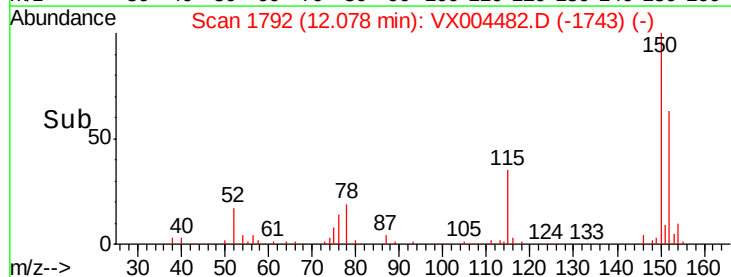
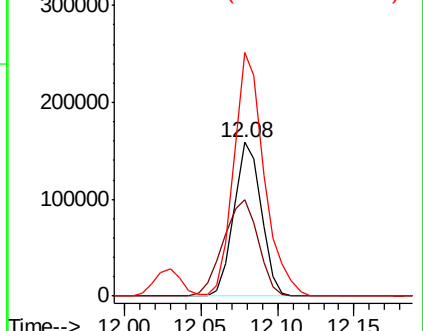
150 175.0 0.0 351.0

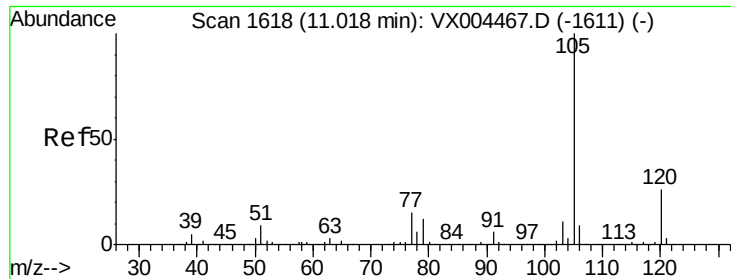


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 54.21 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX004482.D

Acq: 11 Sep 2018 22:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 704153

Ion Ratio Lower Upper

105 100

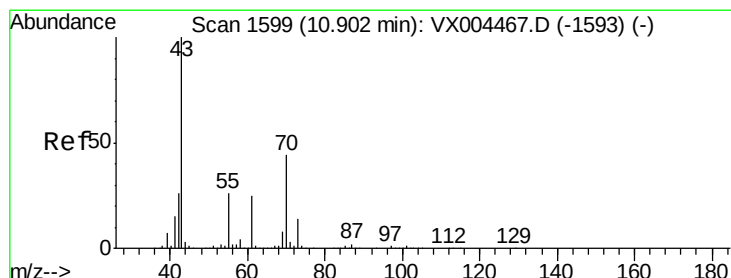
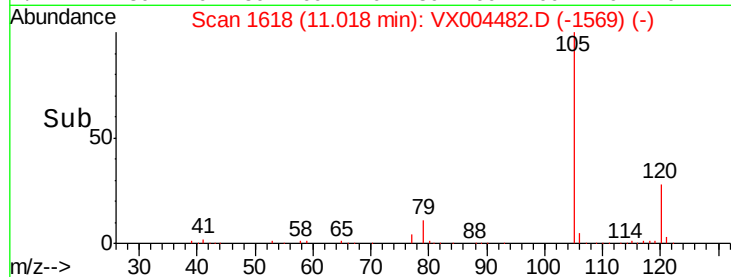
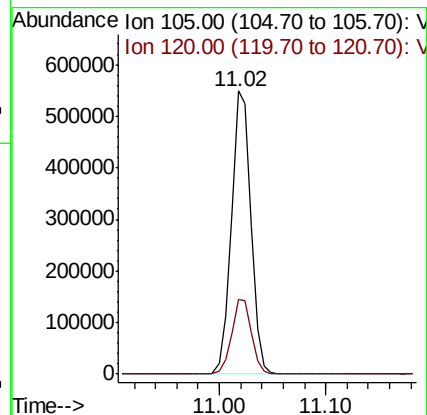
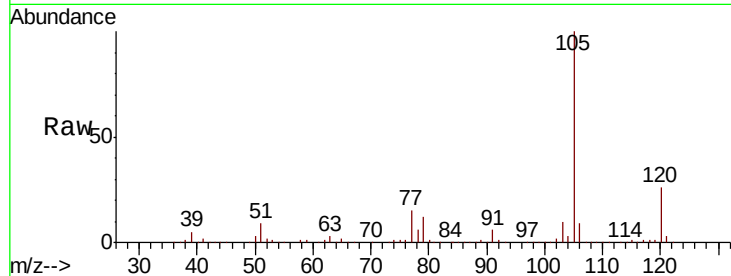
120 26.7 13.5 40.4

Manual Integrations

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9/12/2018 11:26:55 AM



#74

N-ethyl acetate

Concen: 52.38 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. -0.00 min

Lab File: VX004482.D

Acq: 11 Sep 2018 22:48

Tgt Ion: 43 Resp: 286377

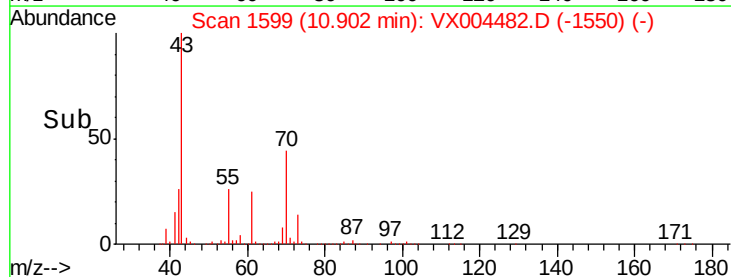
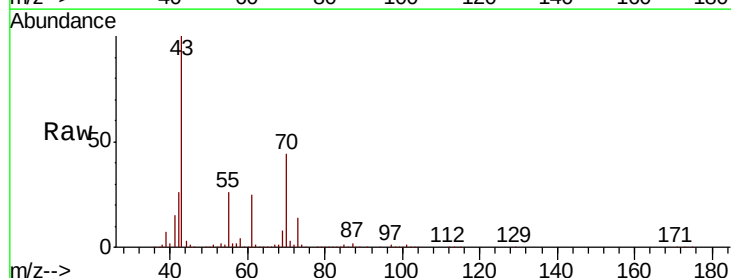
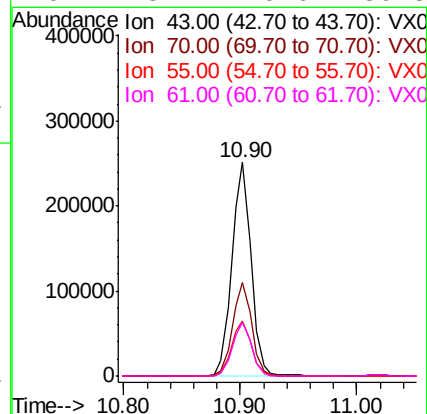
Ion Ratio Lower Upper

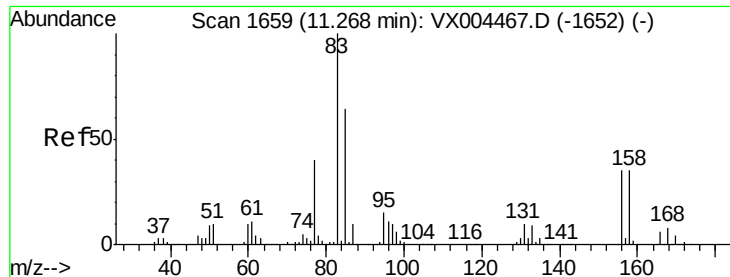
43 100

70 43.7 37.4 56.0

55 26.6 21.8 32.8

61 25.1 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 52.50 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX004482.D

Acq: 11 Sep 2018 22:48

Instrument :

MSVOA_X

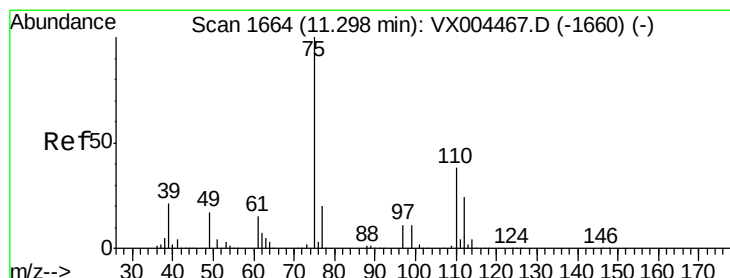
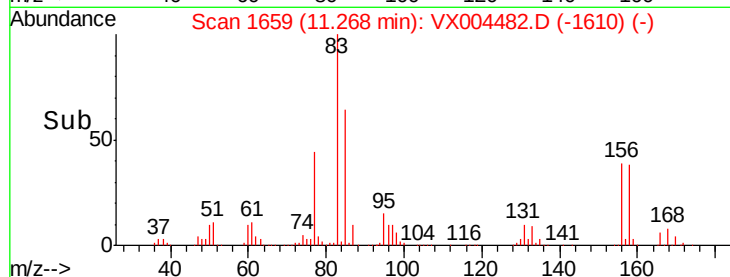
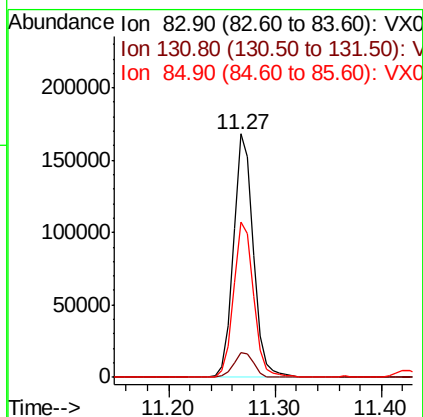
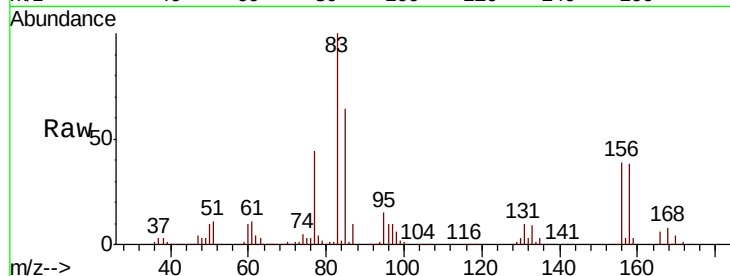
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	219991
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.2	15.6
85	64.5	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 53.72 ug/l m

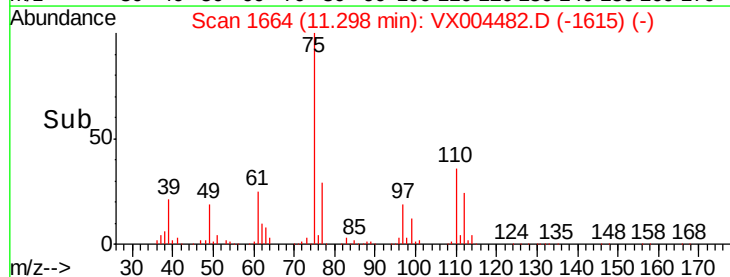
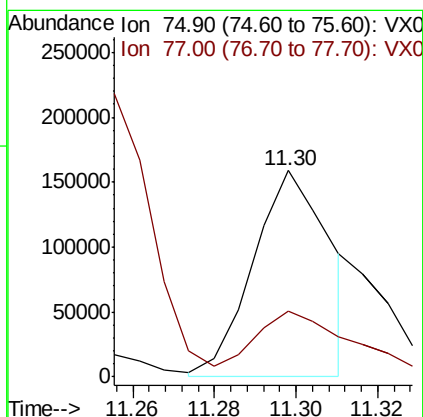
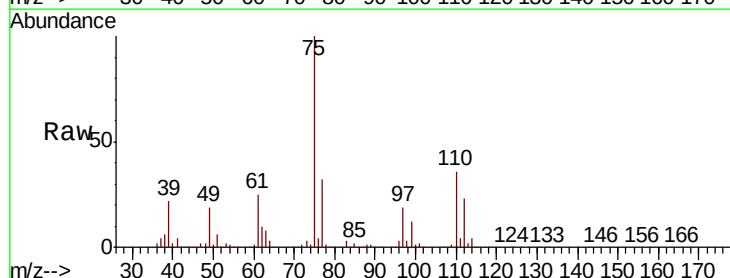
RT: 11.30 min Scan# 1664

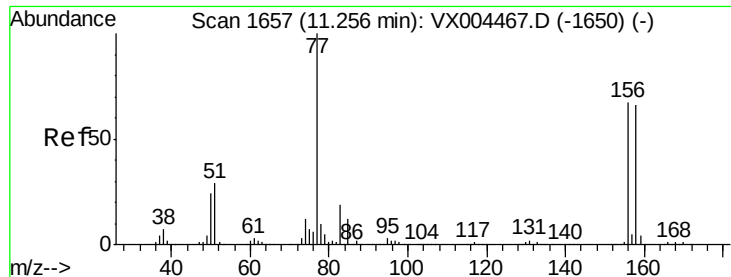
Delta R.T. -0.00 min

Lab File: VX004482.D

Acq: 11 Sep 2018 22:48

Tgt Ion:	75	Resp:	207031
Ion Ratio	Lower	Upper	
75	100		
77	41.3	20.2	60.6





#77

Bromobenzene

Concen: 51.59 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX004482.D

Acq: 11 Sep 2018 22:48

Instrument :

MSVOA_X

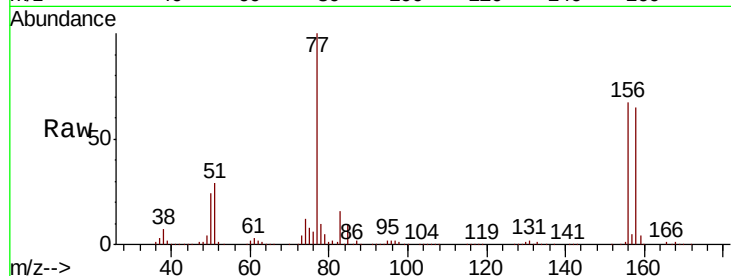
ClientSampleId :

VSTDCCC050EC

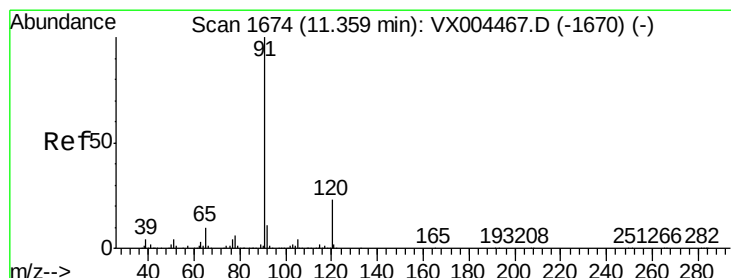
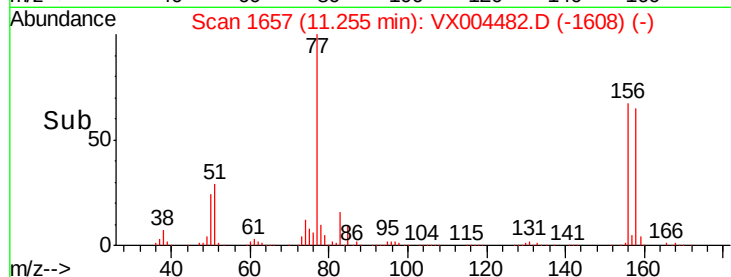
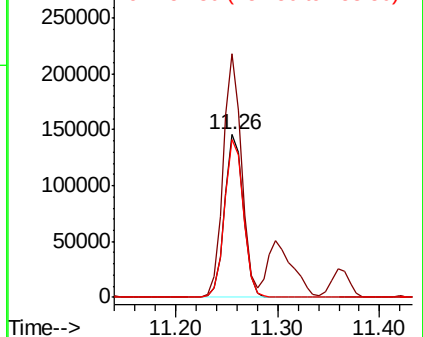
Tot Ion:	156	Resp:	185239
Ion Ratio	Lower	Upper	
156	100		
77	147.0	71.5	214.3
158	98.0	48.9	146.8

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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VX0
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 54.72 ug/l

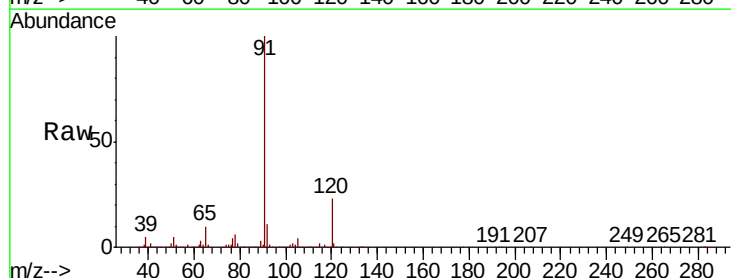
RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

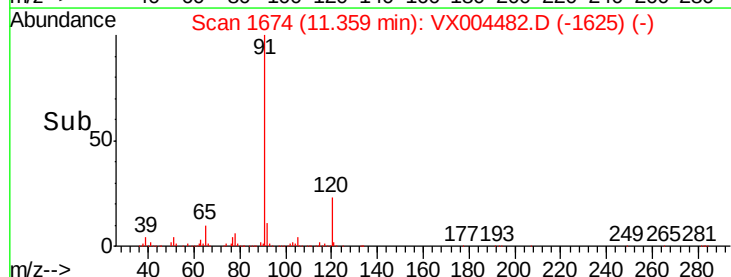
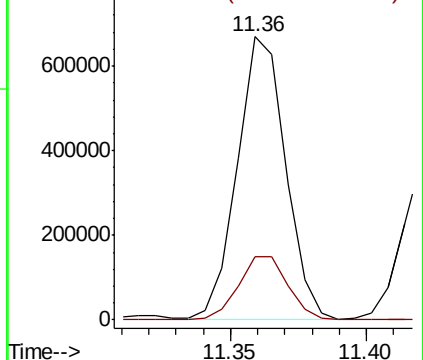
Lab File: VX004482.D

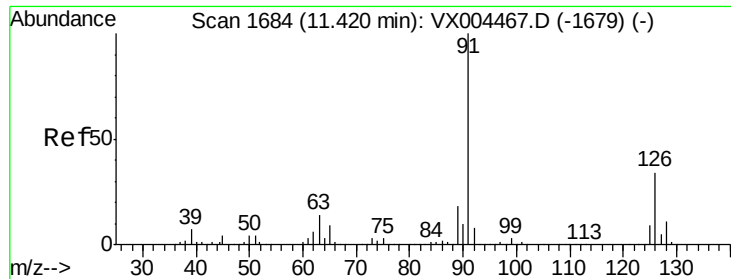
Acq: 11 Sep 2018 22:48

Tgt Ion:	91	Resp:	817232
Ion Ratio	Lower	Upper	
91	100		
120	23.5	11.9	35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.78 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX004482.D

Acq: 11 Sep 2018 22:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 478134

Ion Ratio Lower Upper

91 100

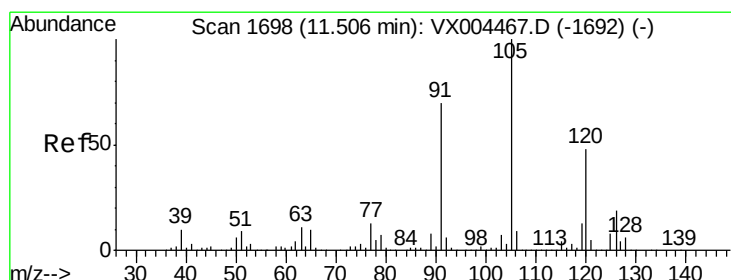
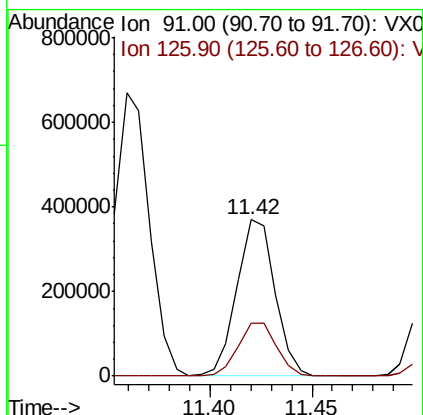
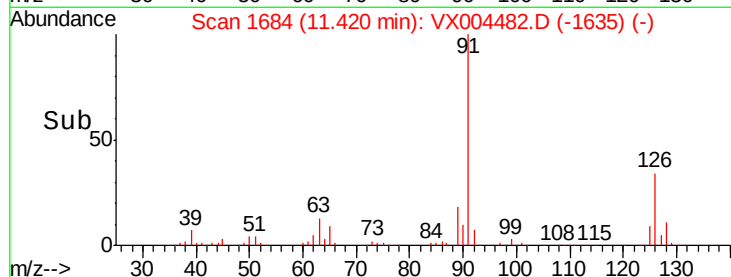
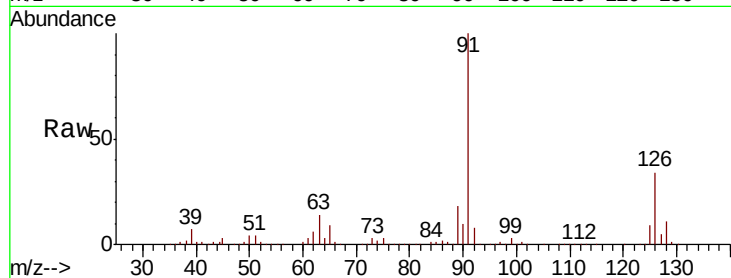
126 35.1 17.9 53.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 54.88 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX004482.D

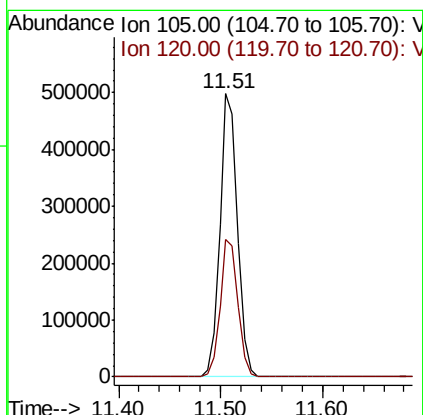
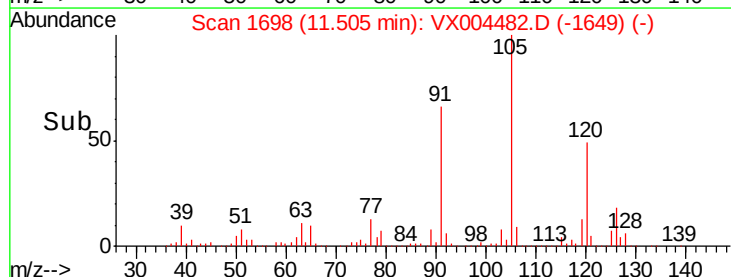
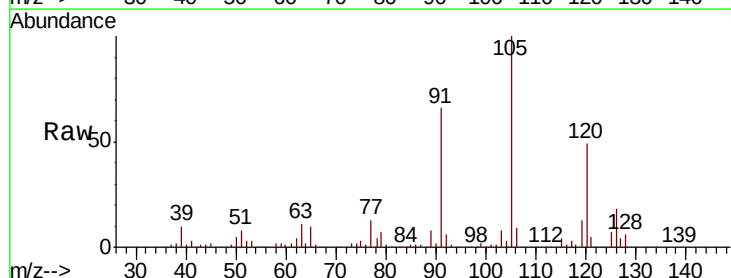
Acq: 11 Sep 2018 22:48

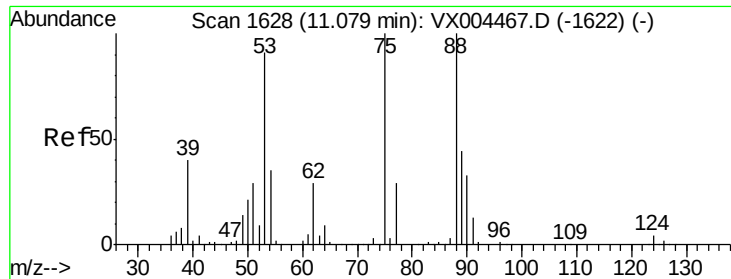
Tgt Ion: 105 Resp: 599268

Ion Ratio Lower Upper

105 100

120 49.2 25.6 76.8





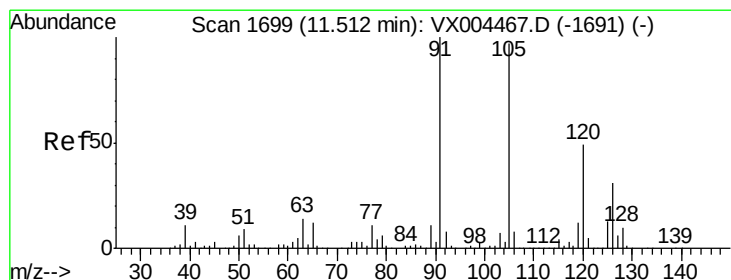
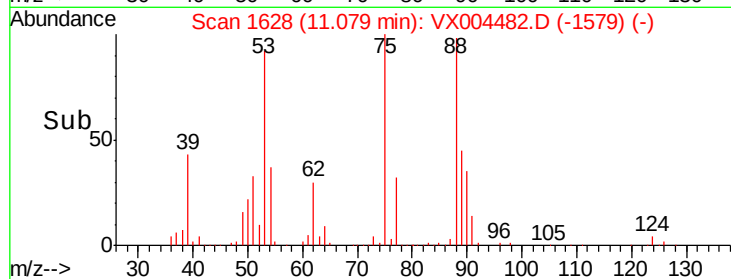
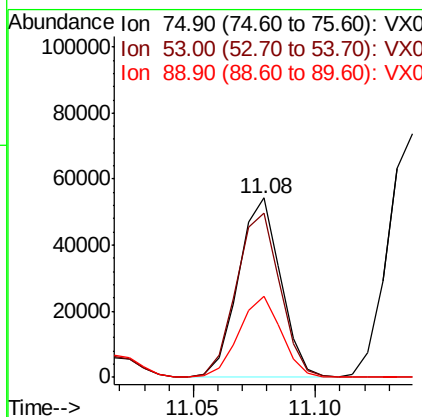
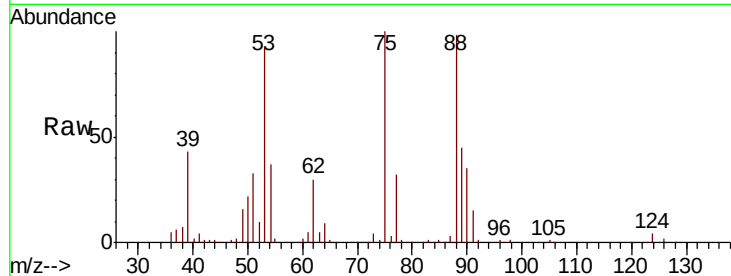
#81
trans-1,4-Dichloro-2-butene
Concen: 52.43 ug/l
RT: 11.08 min Scan# 1628
Delta R.T. -0.00 min
Lab File: VX004482.D
Acq: 11 Sep 2018 22:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.9	80.1	120.1
89	45.6	37.2	55.8

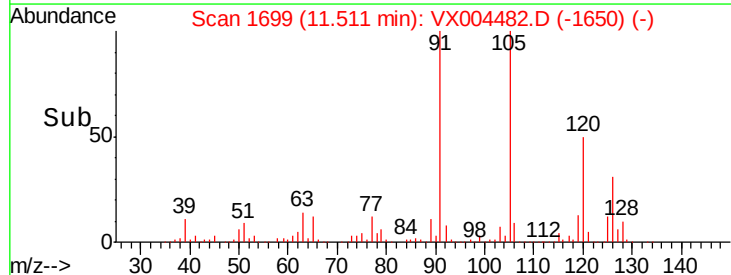
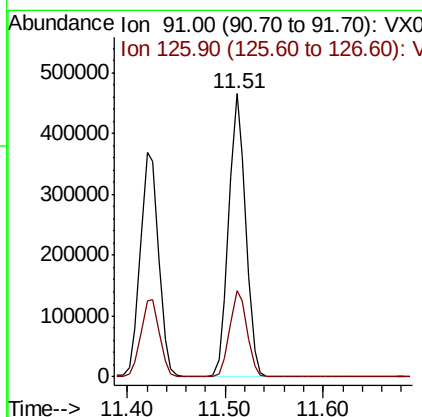
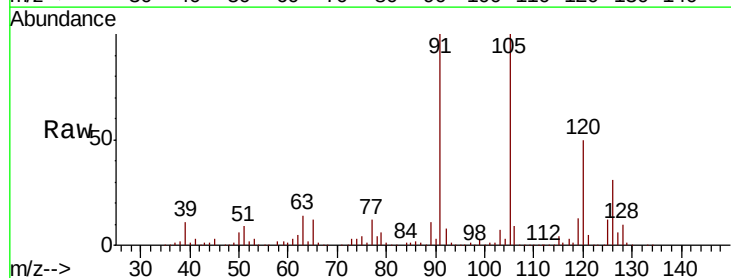
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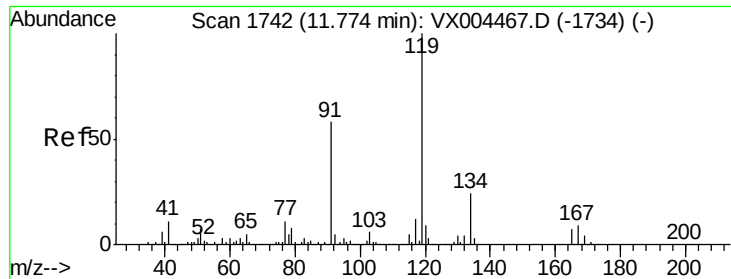
MMDadoda
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#82
4-Chlorotoluene
Concen: 53.29 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX004482.D
Acq: 11 Sep 2018 22:48

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.5	46.5





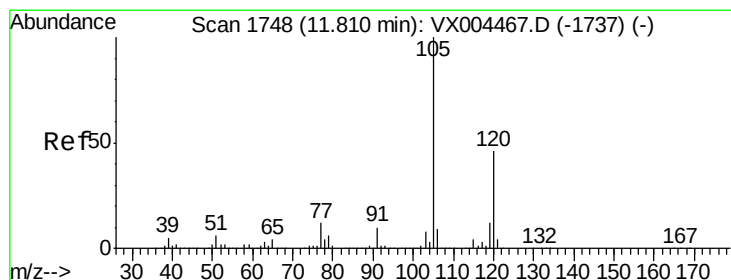
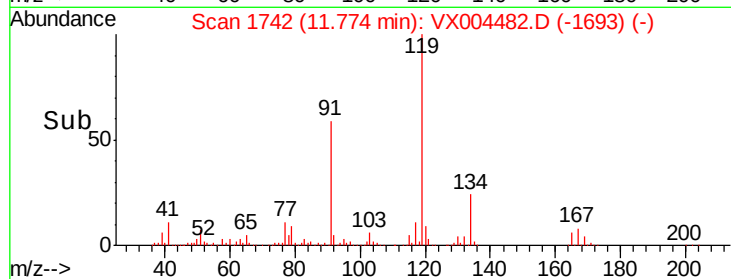
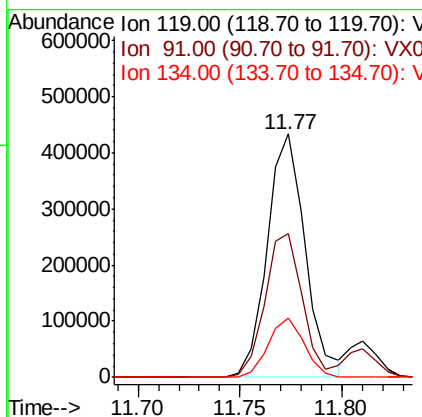
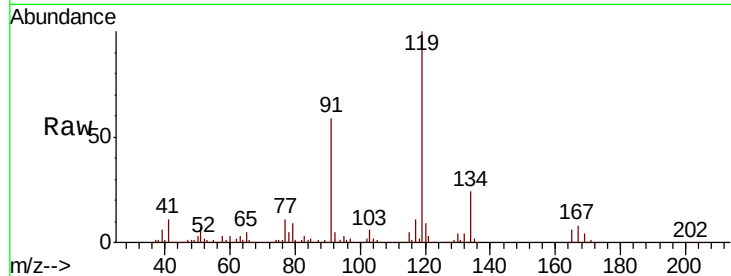
#83
 tert-Butylbenzene
 Concen: 54.01 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VX004482.D
 Acq: 11 Sep 2018 22:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	561499		
91	57.8		27.0	81.0
134	23.3		11.7	35.1

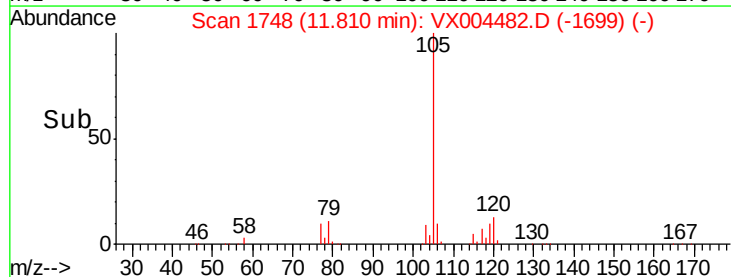
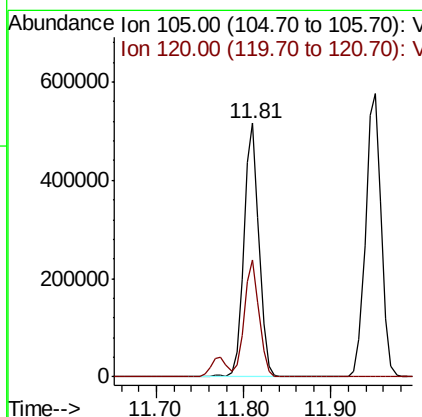
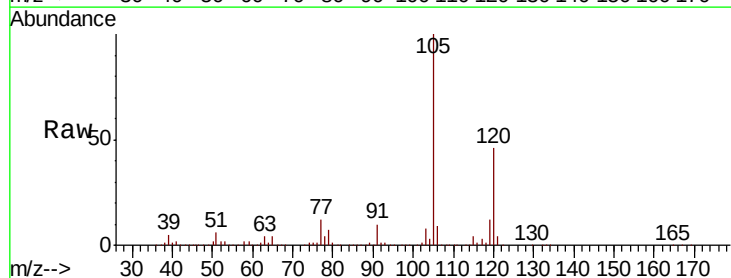
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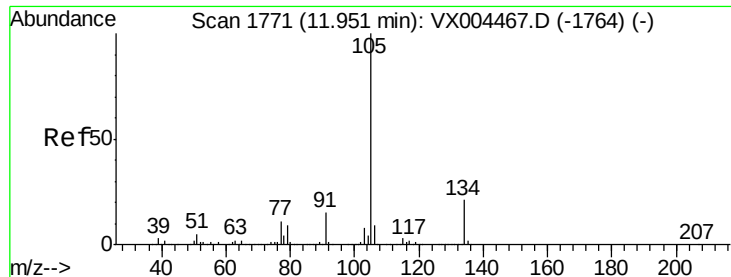
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#84
 1,2,4-Trimethylbenzene
 Concen: 55.15 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. -0.00 min
 Lab File: VX004482.D
 Acq: 11 Sep 2018 22:48

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	614908		
120	45.2		23.2	69.6





#85

sec-Butylbenzene

Concen: 54.26 ug/l

RT: 11.95 min Scan# 1771

Delta R.T. -0.00 min

Lab File: VX004482.D

Acq: 11 Sep 2018 22:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 718827

Ion Ratio Lower Upper

105 100

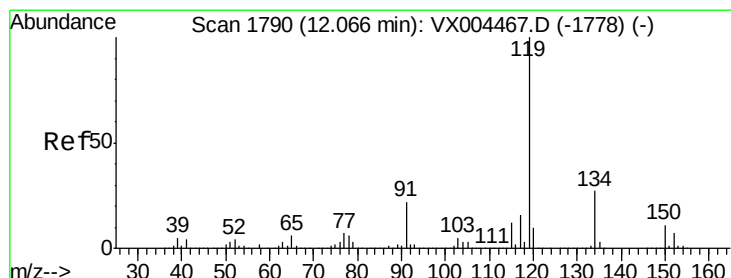
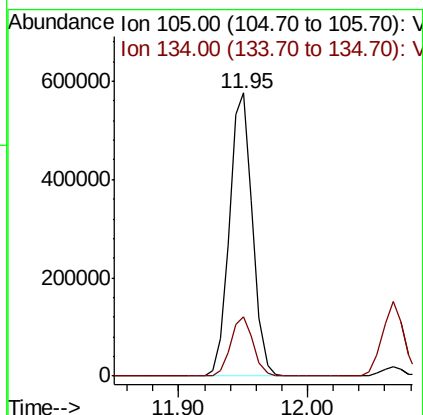
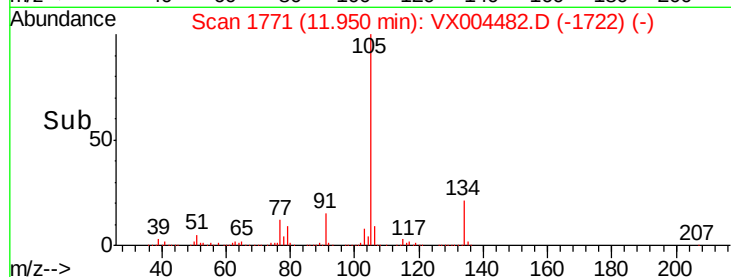
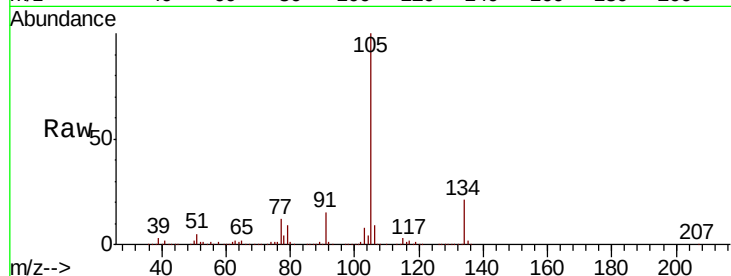
134 20.5 10.5 31.5

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 55.19 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX004482.D

Acq: 11 Sep 2018 22:48

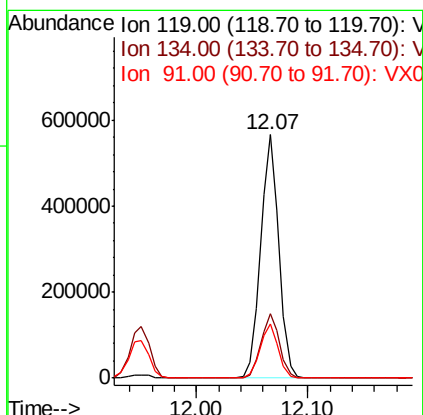
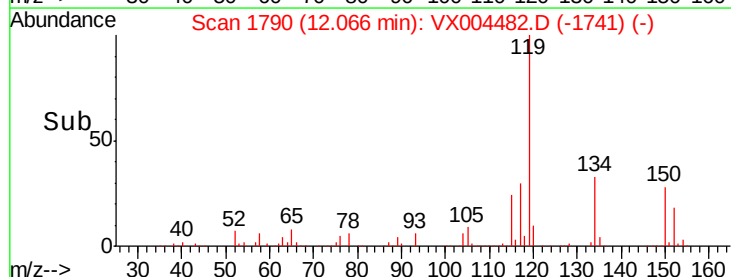
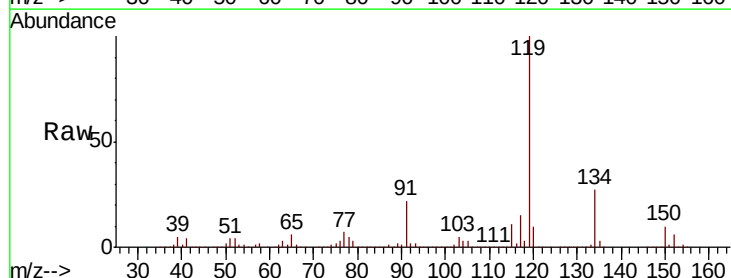
Tgt Ion:119 Resp: 645702

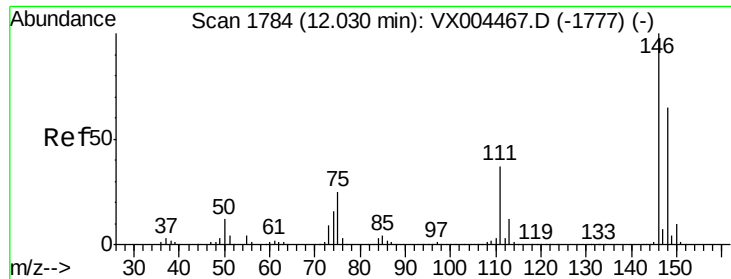
Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.2

91 22.0 10.9 32.7





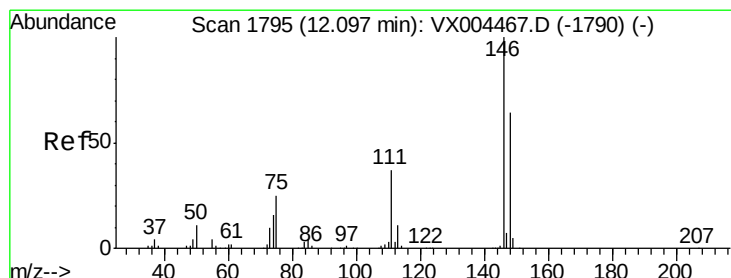
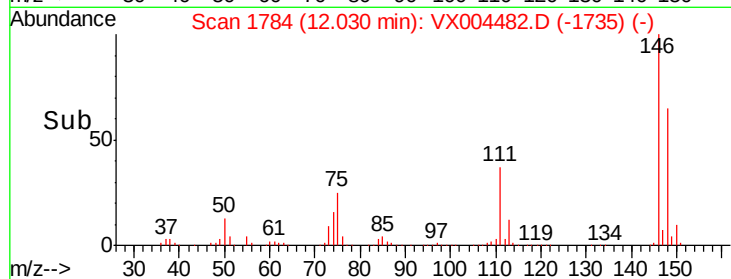
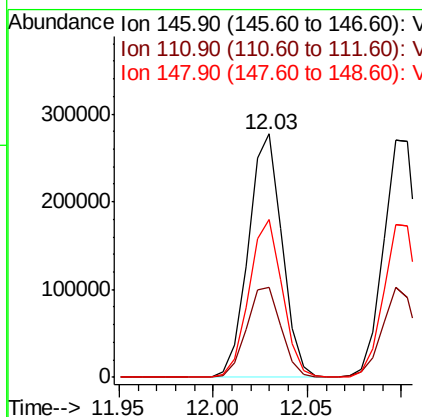
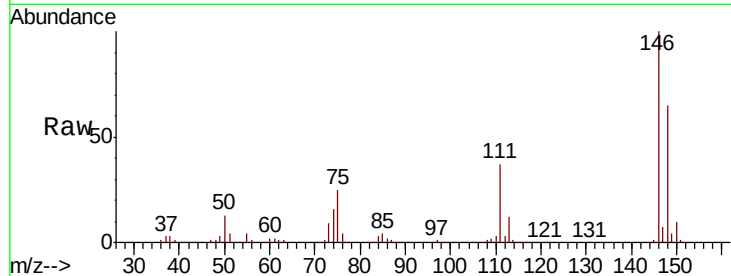
#87
 1,3-Dichlorobenzene
 Concen: 51.22 ug/l
 RT: 12.03 min Scan# 1784
 Delta R.T. -0.00 min
 Lab File: VX004482.D
 Acq: 11 Sep 2018 22:48

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.7	56.1
148	64.2	32.1	96.5

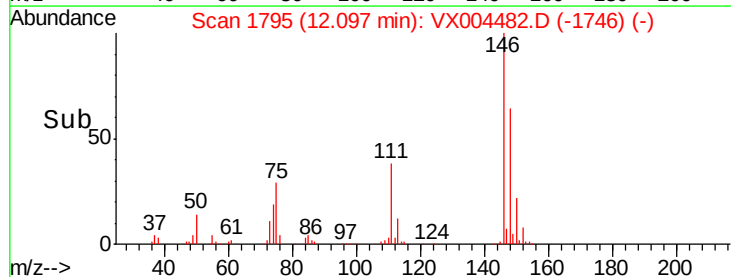
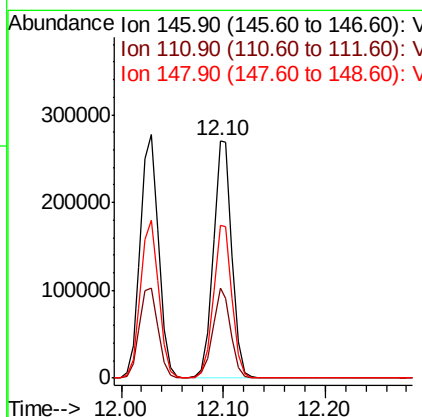
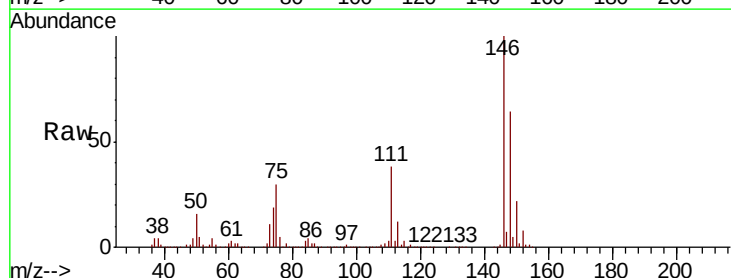
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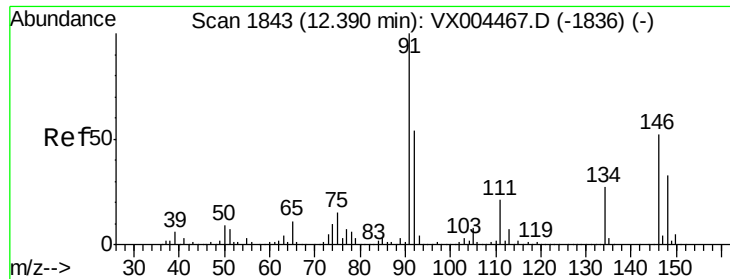
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#88
 1,4-Dichlorobenzene
 Concen: 50.13 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX004482.D
 Acq: 11 Sep 2018 22:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.1	54.1
148	64.4	32.0	96.0





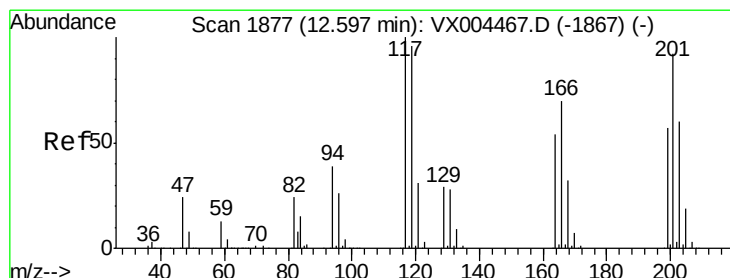
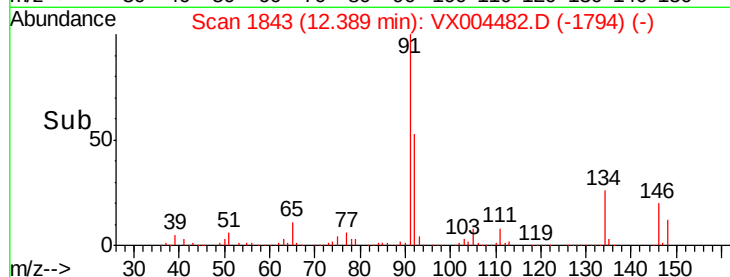
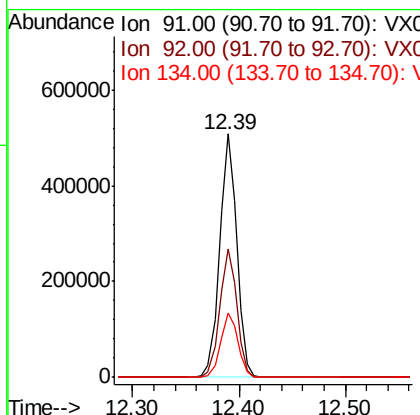
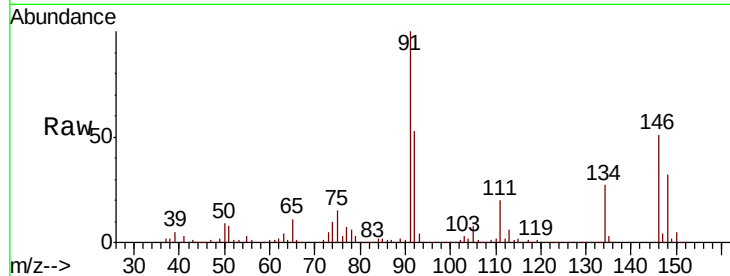
#89
n-Butylbenzene
Concen: 53.25 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX004482.D
Acq: 11 Sep 2018 22:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	27.3	81.9
134	27.0	13.6	40.7

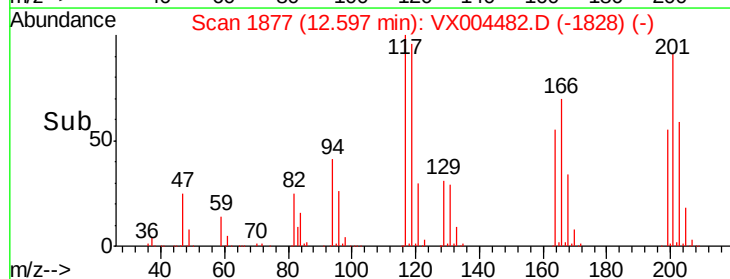
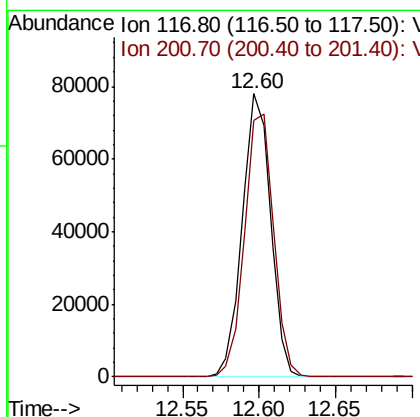
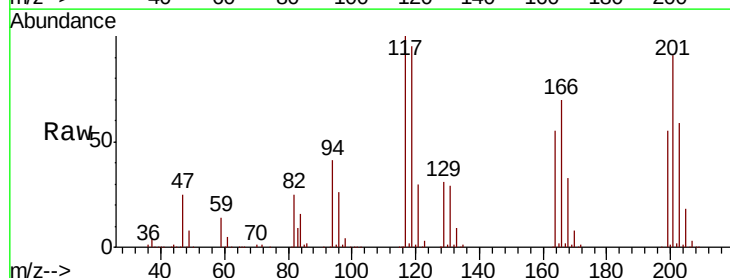
Manual Integrations
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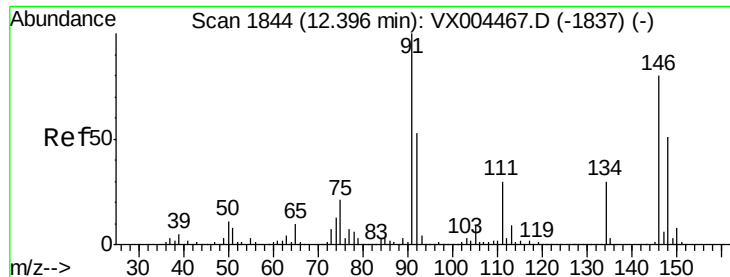
MMDadoda
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#90
Hexachloroethane
Concen: 53.57 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX004482.D
Acq: 11 Sep 2018 22:48

Tgt Ion	Ratio	Lower	Upper
117	100		
201	95.2	46.9	140.6





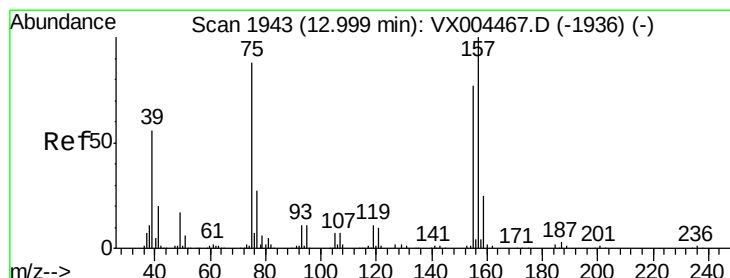
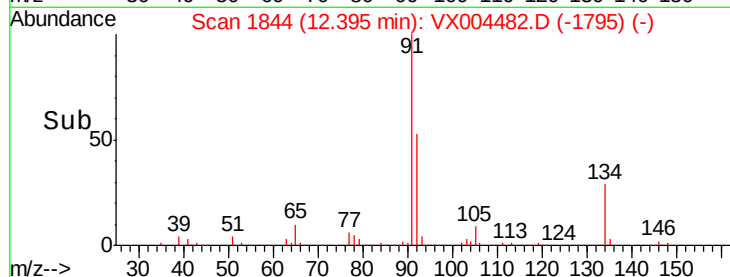
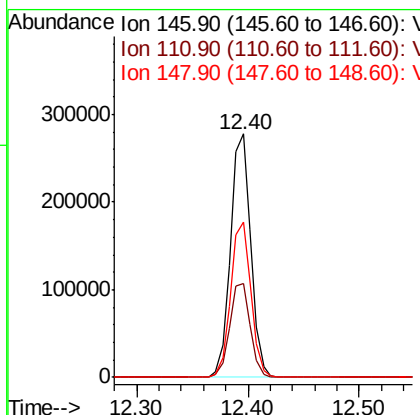
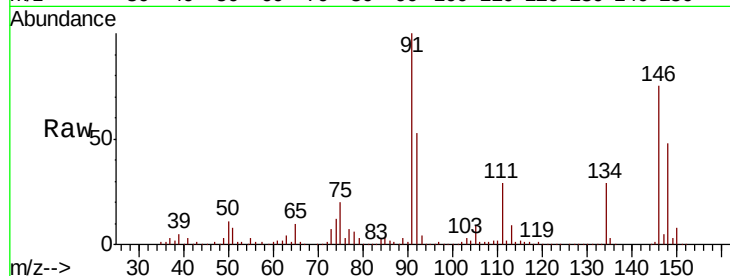
#91
 1,2-Dichlorobenzene
 Concen: 51.17 ug/l
 RT: 12.40 min Scan# 1844
 Delta R.T. -0.00 min
 Lab File: VX004482.D
 Acq: 11 Sep 2018 22:48

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.4	58.1
148	63.9	32.8	98.3

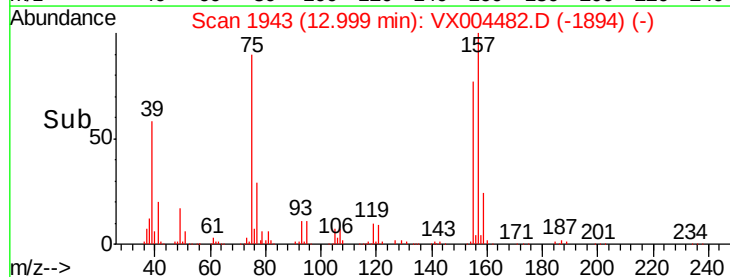
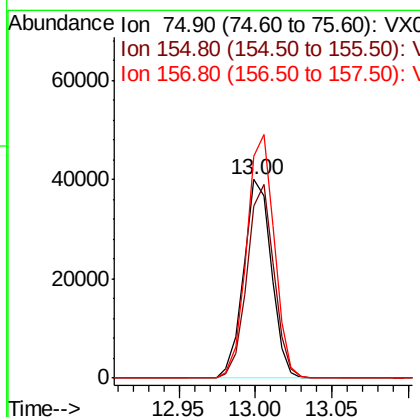
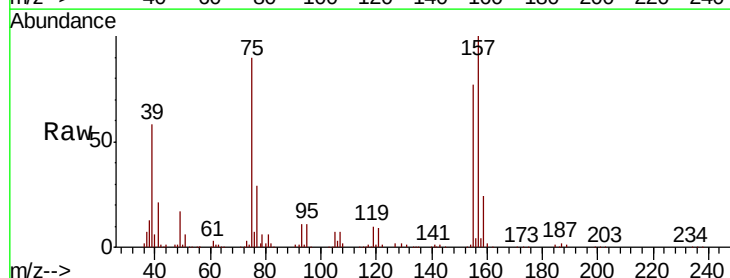
Manual Integrations
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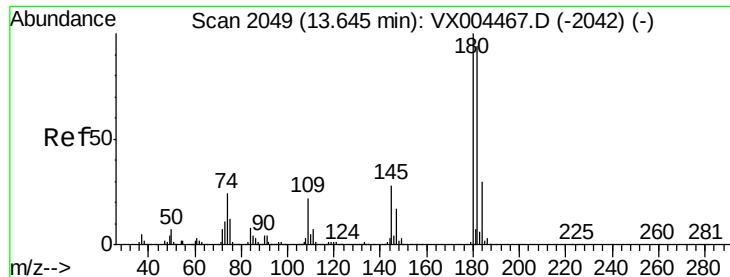
MMDadoda
 9/12/2018 11:26:55 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.13 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX004482.D
 Acq: 11 Sep 2018 22:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.9	48.0	144.2
157	122.5	61.4	184.1





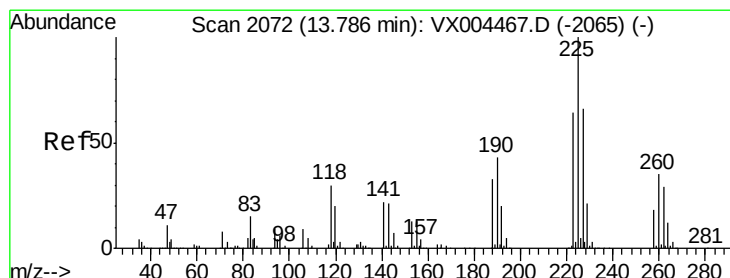
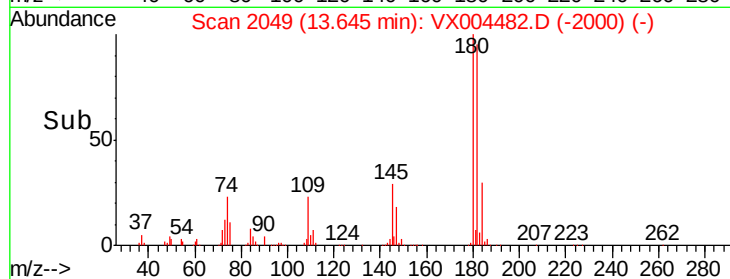
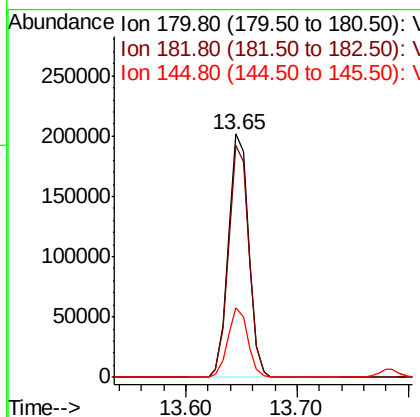
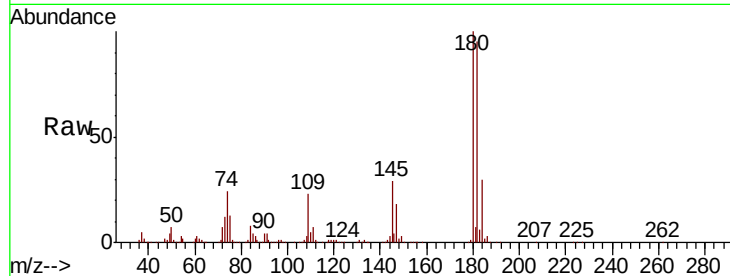
#93
 1,2,4-Trichlorobenzene
 Concen: 52.76 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX004482.D
 Acq: 11 Sep 2018 22:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	253313		
182	95.5	48.4	145.0	
145	28.2	14.3	42.9	

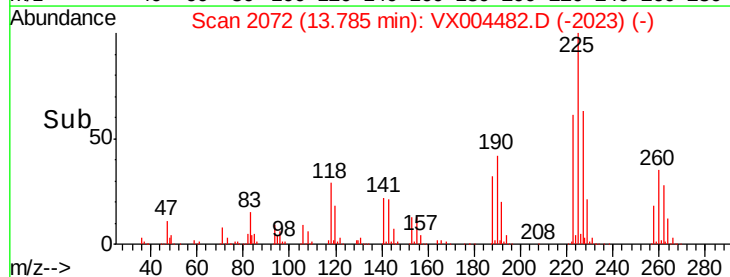
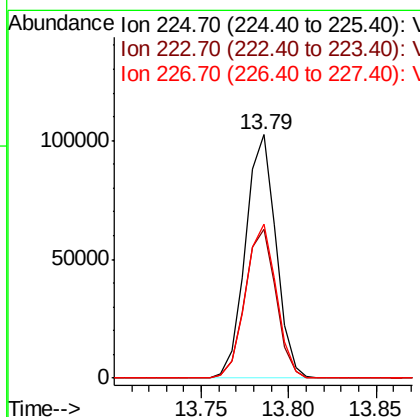
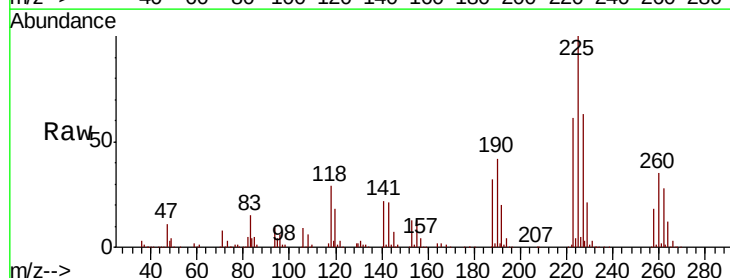
Manual Integrations
 APPROVED

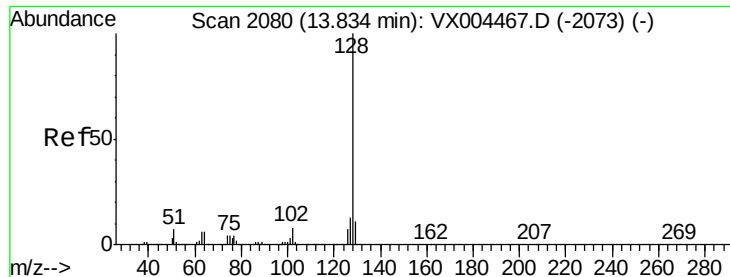
MMDadoda
 9/12/2018 11:26:55 AM



#94
 Hexachlorobutadiene
 Concen: 49.31 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX004482.D
 Acq: 11 Sep 2018 22:48

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	123664		
223	62.4	30.1	90.5	
227	64.0	30.8	92.4	





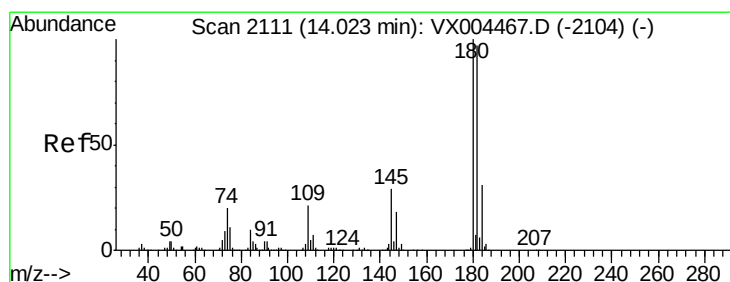
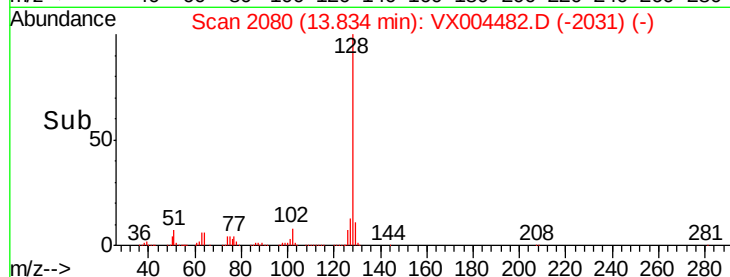
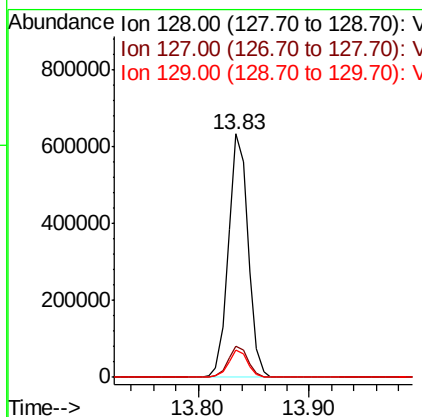
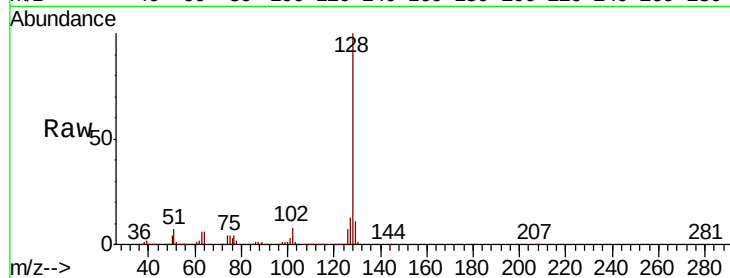
#95
Naphthalene
Concen: 57.28 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX004482.D
Acq: 11 Sep 2018 22:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	10.9	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/12/2018 11:26:55 AM



#96
1,2,3-Trichlorobenzene
Concen: 52.81 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. -0.00 min
Lab File: VX004482.D
Acq: 11 Sep 2018 22:48

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	48.5	145.6
145	29.7	14.9	44.9

