

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081318\
 Data File : VX004012.D
 Acq On : 13 Aug 2018 20:33
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/14/2018 12:56:22 PM

Quant Time: Aug 14 05:38:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 13 01:34:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	320930	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	492645	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	457587	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	285976	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	218136	51.28	ug/l	0.00
Spiked Amount 50.000			Recovery =	102.56%		
35) Dibromofluoromethane	5.51	113	176933	47.41	ug/l	0.00
Spiked Amount 50.000			Recovery =	94.82%		
50) Toluene-d8	8.72	98	703767	48.49	ug/l	0.00
Spiked Amount 50.000			Recovery =	96.98%		
62) 4-Bromofluorobenzene	11.14	95	266180	56.68	ug/l	0.00
Spiked Amount 50.000			Recovery =	113.36%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	156474	48.11	ug/l	99
3) Chloromethane	1.32	50	188975	42.71	ug/l	99
4) Vinyl Chloride	1.40	62	210287	47.65	ug/l	97
5) Bromomethane	1.64	94	105122	37.40	ug/l	100
6) Chloroethane	1.72	64	142955	50.63	ug/l	98
7) Trichlorofluoromethane	1.93	101	291776	50.08	ug/l	99
8) Diethyl Ether	2.18	74	134452	51.34	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	179460	49.28	ug/l	99
10) Methyl Iodide	2.51	142	189804	41.90	ug/l	99
11) Tert butyl alcohol	3.05	59	253338	247.82	ug/l	99
12) 1,1-Dichloroethene	2.37	96	171410	49.76	ug/l	96
13) Acrolein	2.29	56	106491	188.99	ug/l	100
14) Allyl chloride	2.73	41	321328	48.39	ug/l	97
15) Acrylonitrile	3.14	53	597973	245.14	ug/l	99
16) Acetone	2.44	43	595984	235.48	ug/l	100
17) Carbon Disulfide	2.57	76	442453	42.10	ug/l	100
18) Methyl Acetate	2.77	43	297484	53.98	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	650491	53.29	ug/l	99
20) Methylene Chloride	2.85	84	205900	33.56	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	191623	49.00	ug/l	97
22) Diisopropyl ether	3.87	45	662762	54.30	ug/l	99
23) Vinyl Acetate	3.82	43	2757136	271.48	ug/l	100
24) 1,1-Dichloroethane	3.70	63	364761	50.31	ug/l	100
25) 2-Butanone	4.69	43	1005623	264.27	ug/l	99
26) 2,2-Dichloropropane	4.59	77	243085	46.49	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	222751	52.50	ug/l	99
28) Bromochloromethane	5.02	49	156635	50.48	ug/l	99
29) Tetrahydrofuran	5.15	42	512208	261.89	ug/l	99
30) Chloroform	5.21	83	360195	52.77	ug/l	98
31) Cyclohexane	5.58	56	312506	50.97	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	306773	53.60	ug/l	99
36) 1,1-Dichloropropene	5.80	75	269934	48.92	ug/l	100
37) Ethyl Acetate	4.85	43	307921	50.73	ug/l	99
38) Carbon Tetrachloride	5.79	117	266587	50.76	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	318356	48.94	ug/l	97
40) Benzene	6.15	78	838492	50.61	ug/l	100
41) Methacrylonitrile	5.06	41	173692	51.96	ug/l	99
42) 1,2-Dichloroethane	6.20	62	289303	51.64	ug/l	100
43) Isopropyl Acetate	6.46	43	481621	52.73	ug/l	100
44) Trichloroethene	7.21	130	226931	50.08	ug/l	93
45) 1,2-Dichloropropane	7.52	63	218543	51.08	ug/l	99
46) Dibromomethane	7.67	93	141758	51.03	ug/l	100
47) Bromodichloromethane	7.90	83	275607	52.67	ug/l	98
48) Methyl methacrylate	7.78	41	249037	53.64	ug/l	98
49) 1,4-Dioxane	7.76	88	110961	1014.51	ug/l	100
51) 4-Methyl-2-Pentanone	8.65	43	1997344	263.82	ug/l	99
52) Toluene	8.79	92	542920	51.86	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	312426	52.82	ug/l	100
54) cis-1,3-Dichloropropene	8.44	75	336255	52.72	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	224337	52.44	ug/l	99
56) Ethyl methacrylate	9.18	69	343671	55.37	ug/l	100
57) 1,3-Dichloropropane	9.37	76	377423	52.71	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	782980	256.54	ug/l	100
59) 2-Hexanone	9.50	43	1525408	269.55	ug/l	100
60) Dibromochloromethane	9.59	129	227782	57.11	ug/l	99
61) 1,2-Dibromoethane	9.68	107	232357	54.25	ug/l	100
64) Tetrachloroethene	9.34	164	217026	48.21	ug/l	96
65) Chlorobenzene	10.14	112	598301	50.25	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.23	131	217426	53.12	ug/l	99
67) Ethyl Benzene	10.26	91	1012515	51.95	ug/l	99
68) m/p-Xylenes	10.36	106	815316	107.06	ug/l	95
69) o-Xylene	10.70	106	391472	54.45	ug/l	98
70) Styrene	10.71	104	663107	56.34	ug/l	97
71) Bromoform	10.86	173	177264	57.91	ug/l	99
73) Isopropylbenzene	11.02	105	1042638	49.29	ug/l	96
74) N-amyl acetate	6.46	43	481621	43.78	ug/l	# 100
75) 1,1,2,2-Tetrachloroethane	11.27	83	350305	48.31	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	309609m	49.02	ug/l	
77) Bromobenzene	11.26	156	280012	49.62	ug/l	98
78) n-propylbenzene	11.36	91	1199198	50.48	ug/l	99
79) 2-Chlorotoluene	11.42	91	705008	48.67	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	868108	50.32	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	98737	47.64	ug/l	97
82) 4-Chlorotoluene	11.51	91	823957	48.56	ug/l	100
83) tert-Butylbenzene	11.77	119	886369	52.23	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	895435	51.62	ug/l	98
85) sec-Butylbenzene	11.94	105	1038566	51.86	ug/l	99
86) p-Isopropyltoluene	12.07	119	939314	52.27	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	517112	49.57	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	525076	48.52	ug/l	100
89) n-Butylbenzene	12.39	91	731823	46.73	ug/l	99
90) Hexachloroethane	12.60	117	129830	44.49	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	484058	46.81	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	64315	43.30	ug/l	100

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QLast Update : Mon Aug 13 01:34:27 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	347825	46.77	ug/l	99
94) Hexachlorobutadiene	13.78	225	158675	45.55	ug/l	99
95) Naphthalene	13.83	128	1133008	53.19	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	379502	51.13	ug/l	98

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

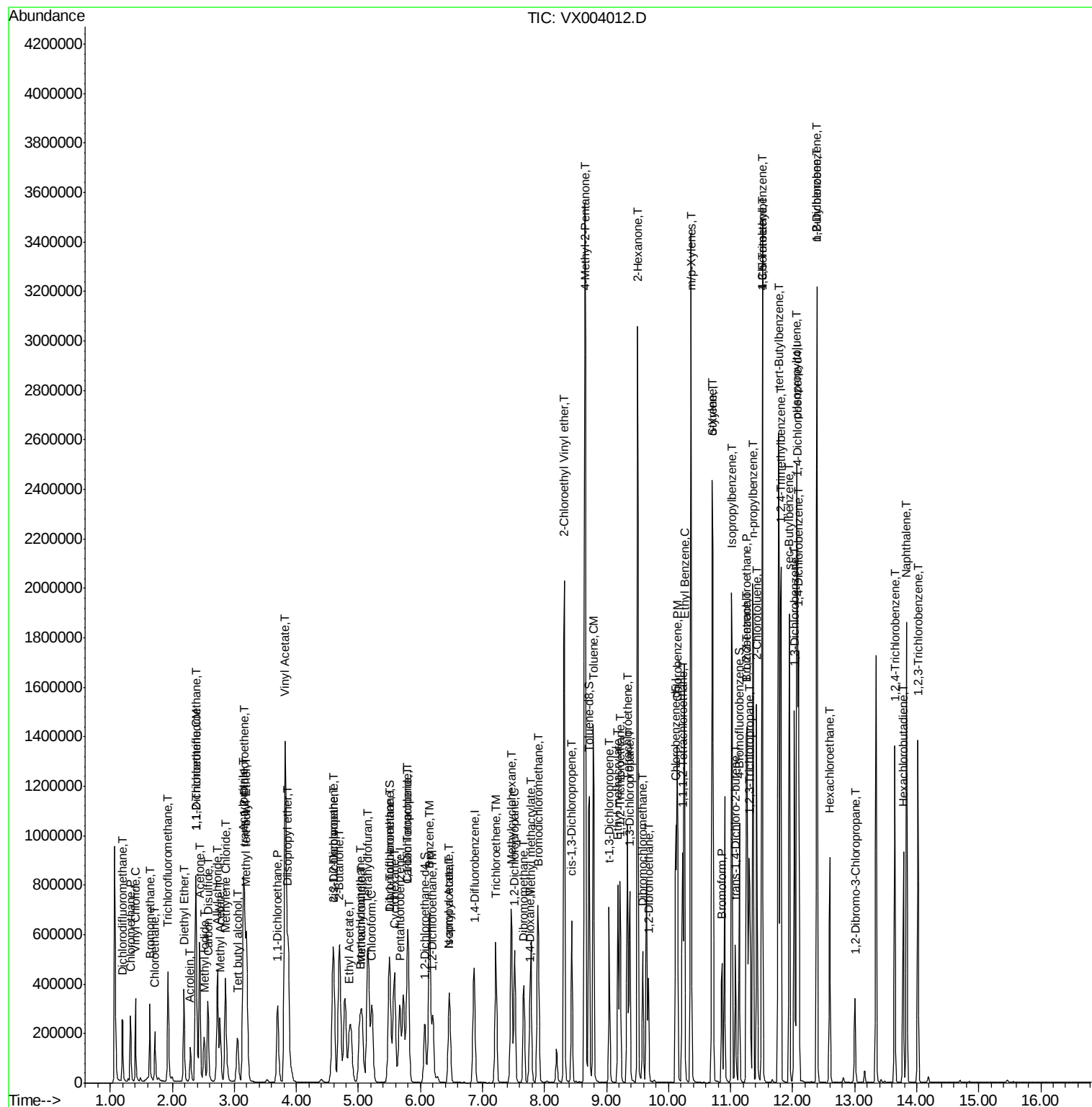
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 Data File : VX004012.D
 Acq On : 13 Aug 2018 20:33
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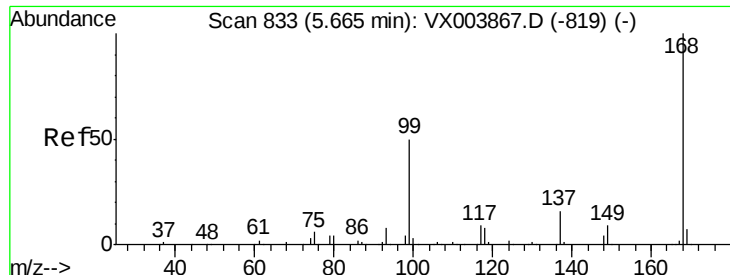
Instrument :
 MSVOA_X
 Client Sample Id :
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX004012.D

Acq: 13 Aug 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 320930

Ion Ratio Lower Upper

168 100

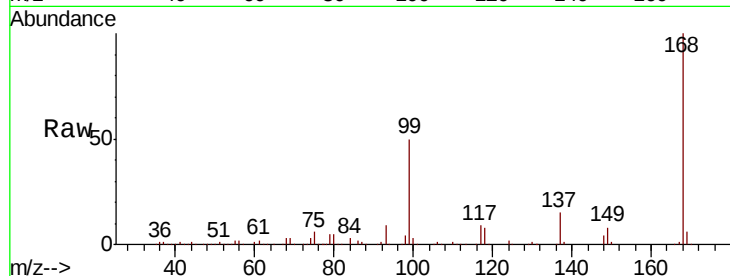
99 50.2 40.1 60.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

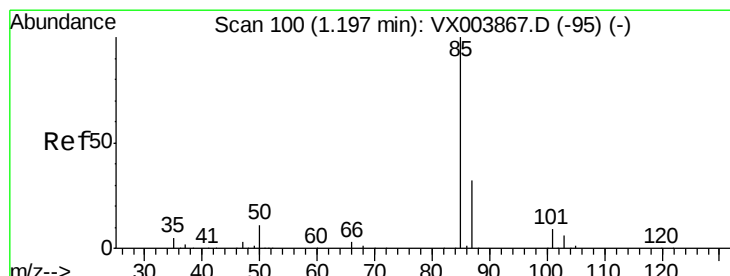
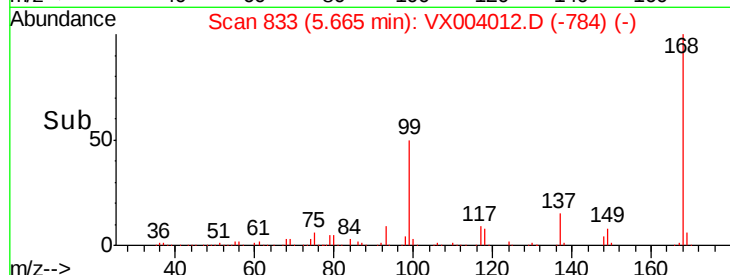
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50000

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Time-->

5.50 5.60 5.70 5.80 5.90



#2

Dichlorodifluoromethane

Concen: 48.11 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX004012.D

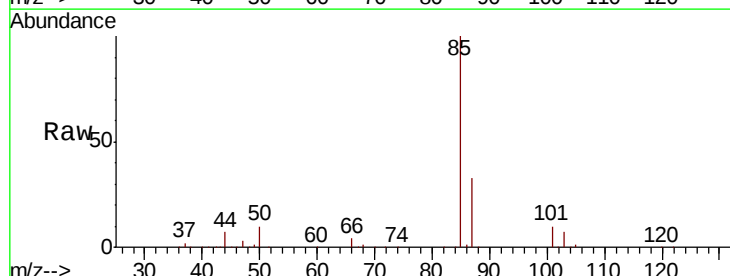
Acq: 13 Aug 2018 20:33

Tgt Ion: 85 Resp: 156474

Ion Ratio Lower Upper

85 100

87 32.8 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

150000

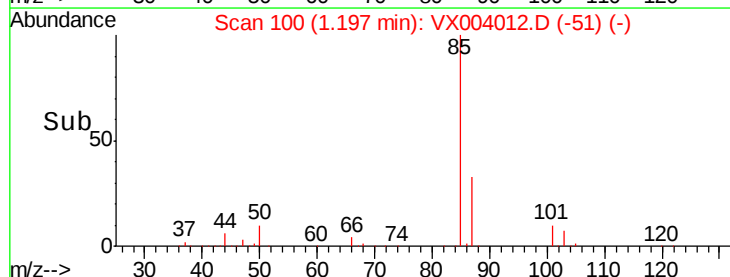
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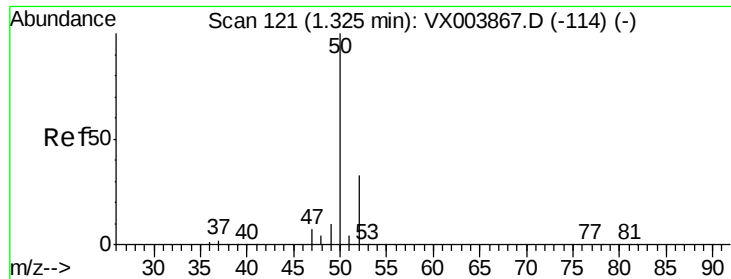
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Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 42.71 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX004012.D

Acq: 13 Aug 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 188975

Ion Ratio Lower Upper

50 100

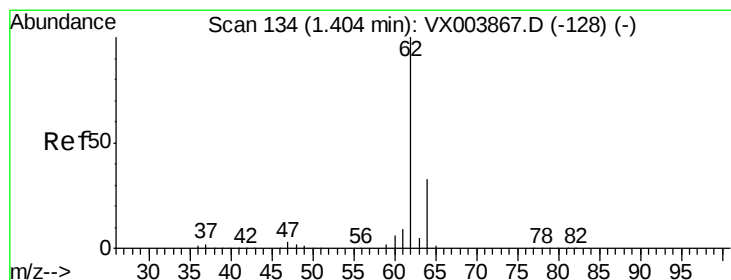
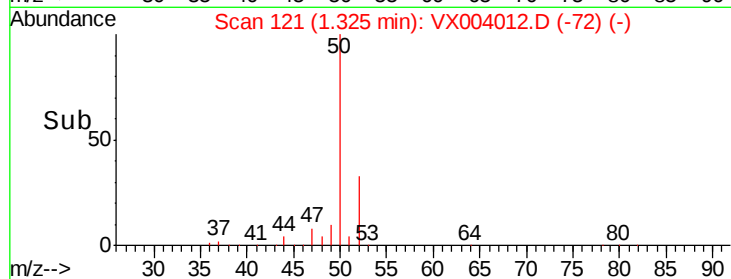
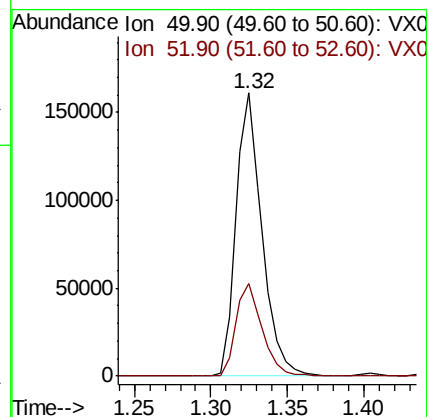
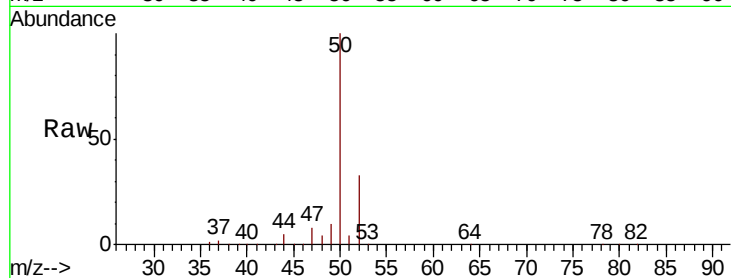
52 32.9 26.6 39.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 47.65 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX004012.D

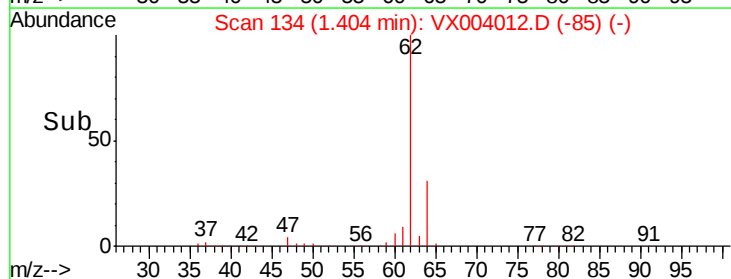
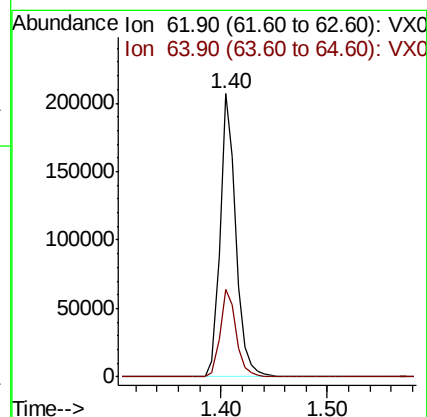
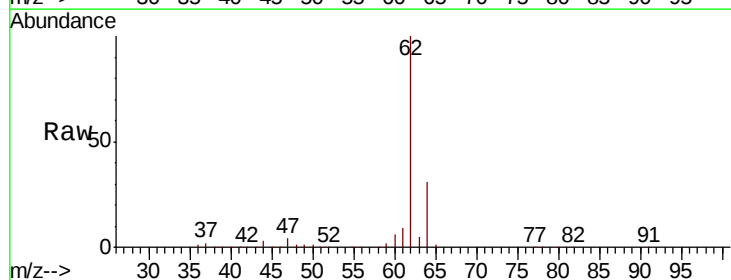
Acq: 13 Aug 2018 20:33

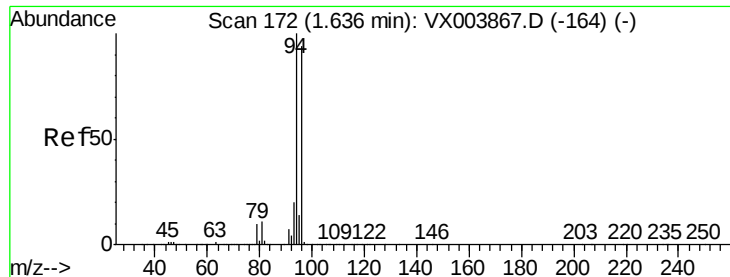
Tgt Ion: 62 Resp: 210287

Ion Ratio Lower Upper

62 100

64 30.9 26.0 39.0





#5

Bromomethane

Concen: 37.40 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX004012.D

Acq: 13 Aug 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 105122

Ion Ratio Lower Upper

94 100

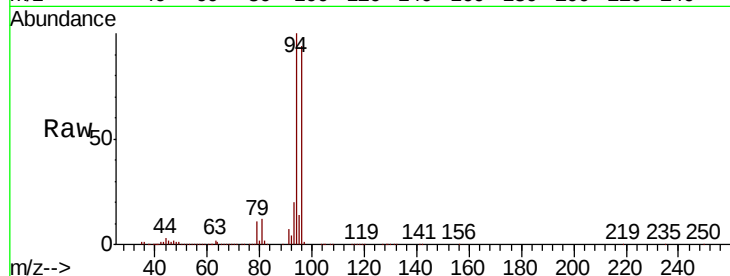
96 94.3 75.2 112.8

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

120000

100000

80000

60000

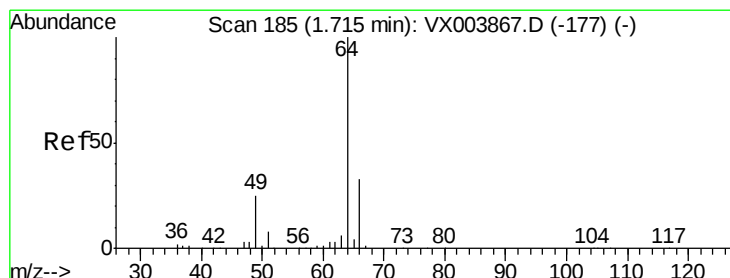
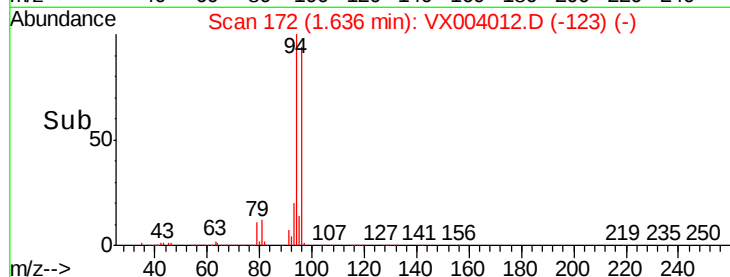
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20000

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1.55 1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 50.63 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX004012.D

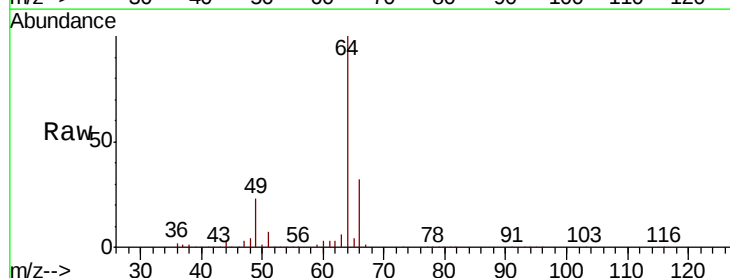
Acq: 13 Aug 2018 20:33

Tgt Ion: 64 Resp: 142955

Ion Ratio Lower Upper

64 100

66 32.1 26.5 39.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

120000

100000

80000

60000

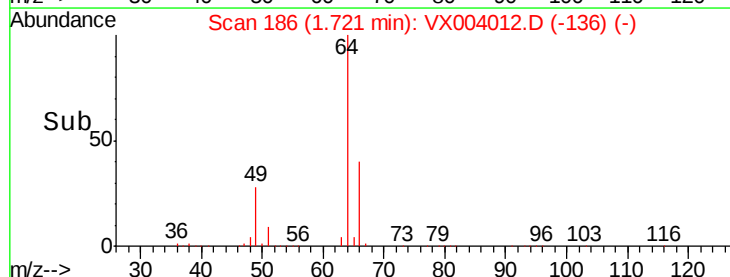
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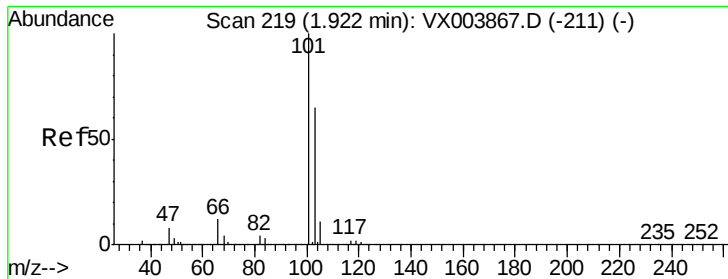
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1.65 1.70 1.75 1.80 1.85

Time-->





#7

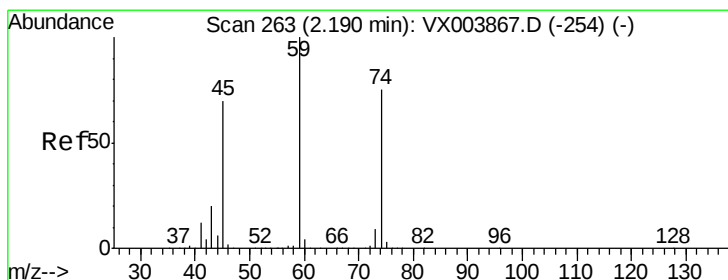
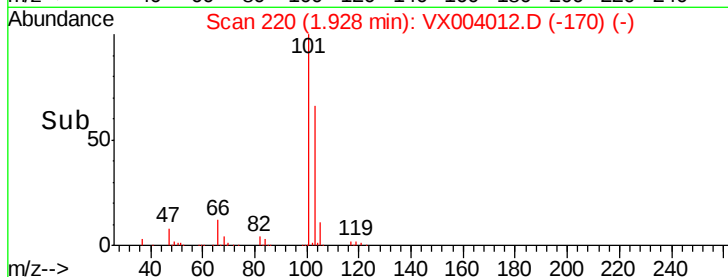
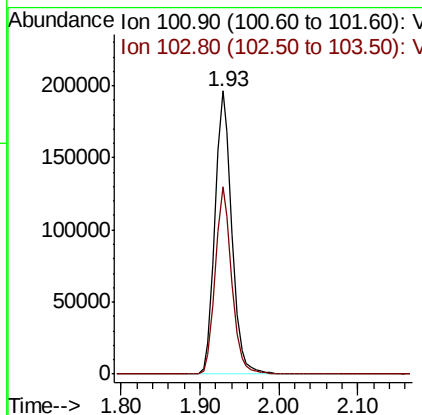
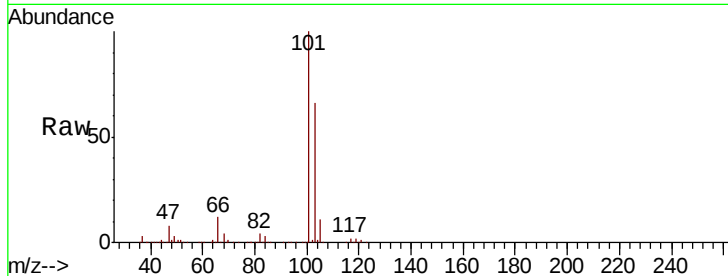
Trichlorofluoromethane
 Concen: 50.08 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. 0.01 min
 Lab File: VX004012.D
 Acq: 13 Aug 2018 20:33

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.2	52.3	78.5

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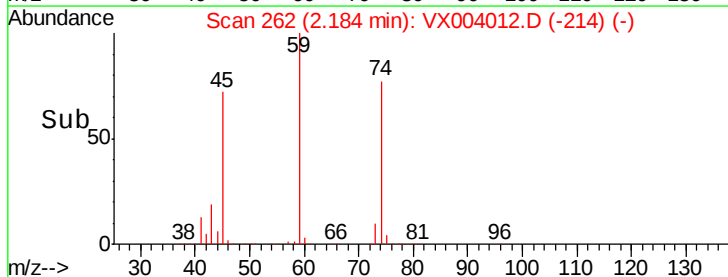
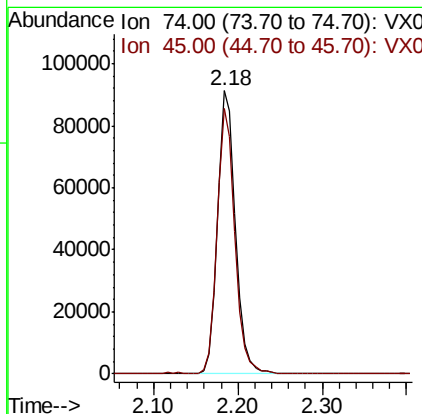
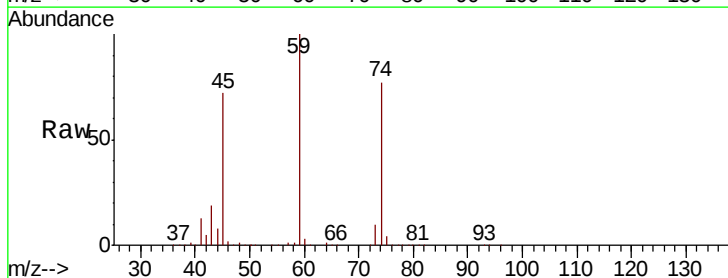
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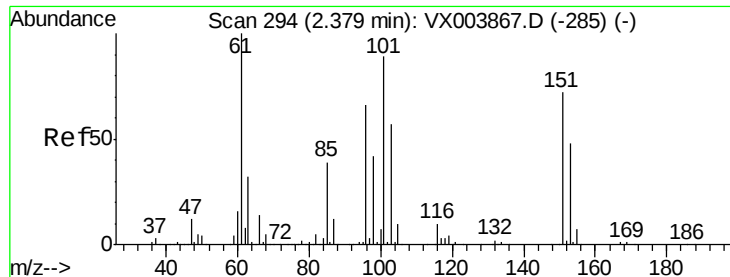


#8

Diethyl Ether
 Concen: 51.34 ug/l
 RT: 2.18 min Scan# 262
 Delta R.T. -0.01 min
 Lab File: VX004012.D
 Acq: 13 Aug 2018 20:33

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.5	48.3	144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.28 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX004012.D

Acq: 13 Aug 2018 20:33

Instrument :

MSVOA_X

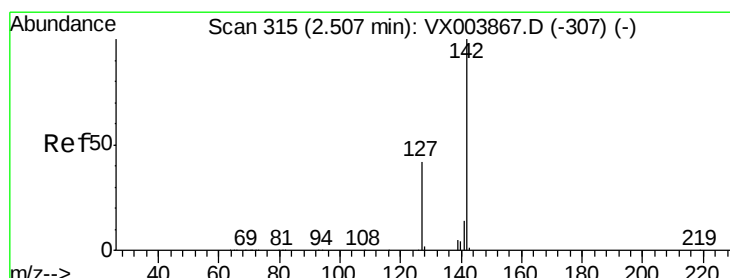
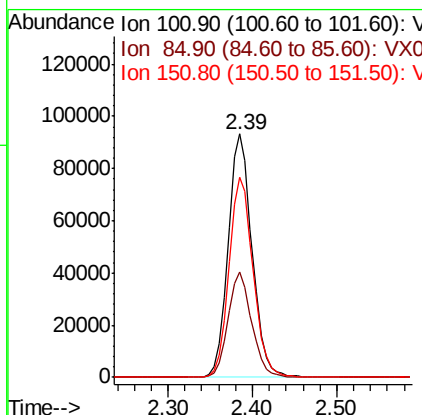
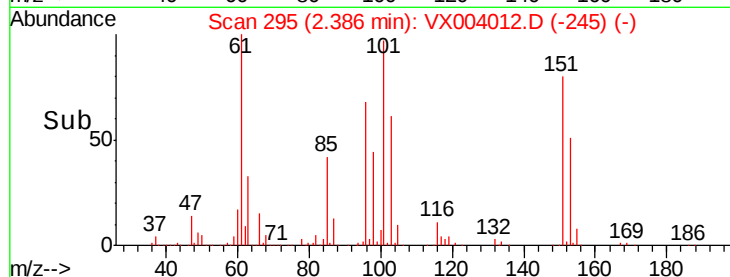
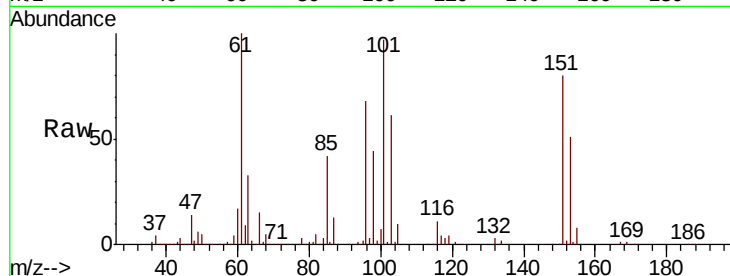
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	179460
Ion Ratio	Lower	Upper	
101	100		
85	42.8	34.2	51.4
151	82.7	65.0	97.4

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#10

Methyl Iodide

Concen: 41.90 ug/l

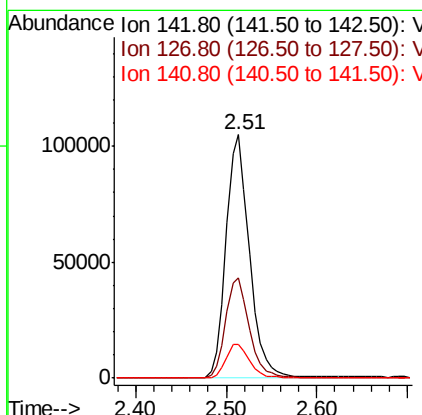
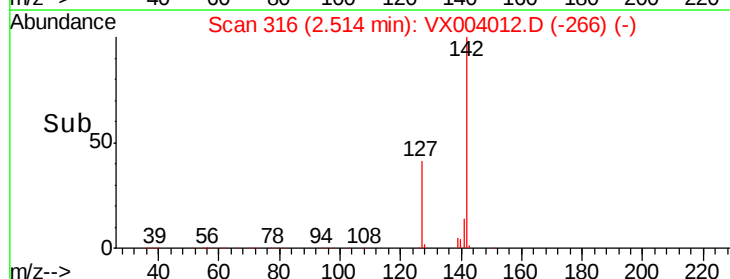
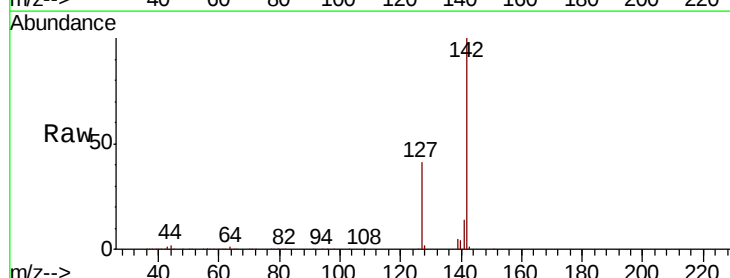
RT: 2.51 min Scan# 316

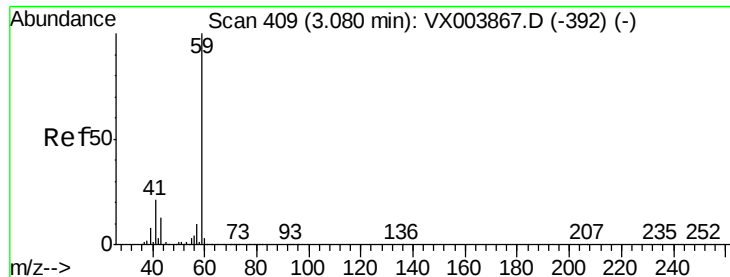
Delta R.T. 0.01 min

Lab File: VX004012.D

Acq: 13 Aug 2018 20:33

Tgt Ion:	142	Resp:	189804
Ion Ratio	Lower	Upper	
142	100		
127	41.7	33.1	49.7
141	14.2	11.1	16.7





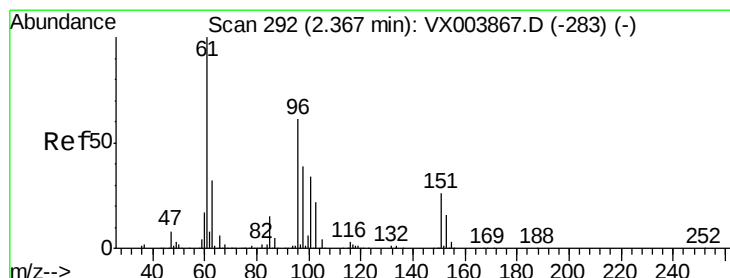
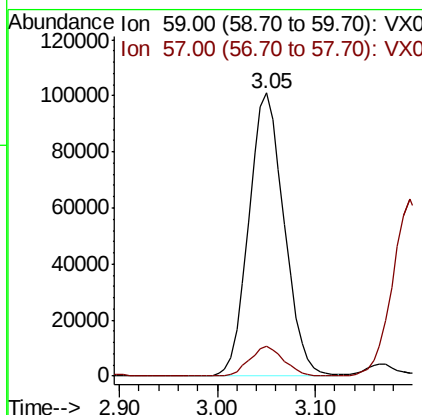
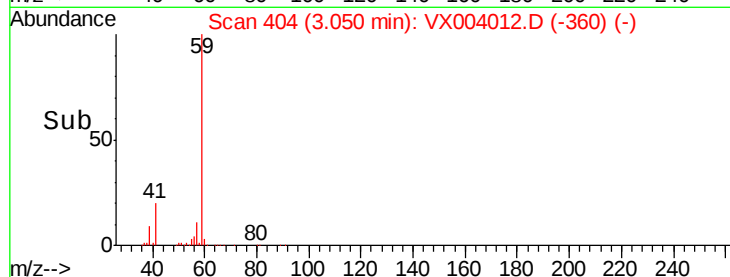
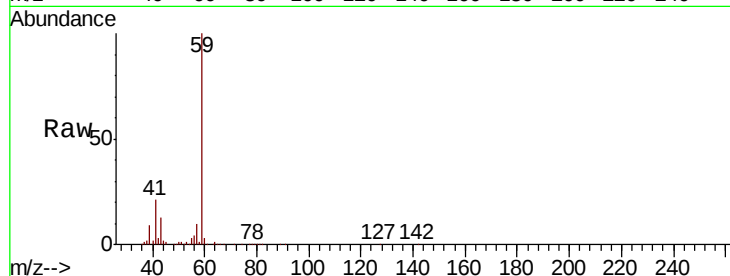
#11
Tert butyl alcohol
Concen: 247.82 ug/l
RT: 3.05 min Scan# 404
Delta R.T. -0.03 min
Lab File: VX004012.D
Acq: 13 Aug 2018 20:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.1	12.1

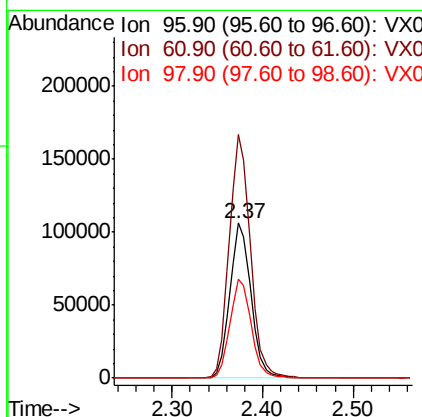
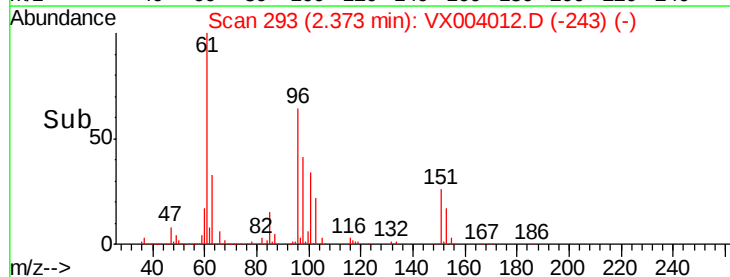
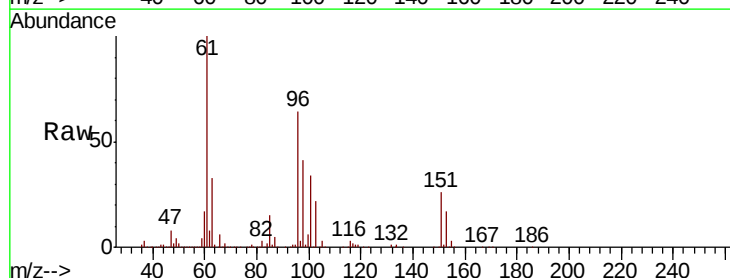
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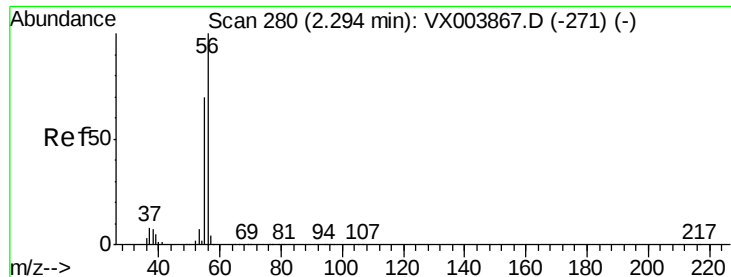
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#12
1,1-Dichloroethene
Concen: 49.76 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.01 min
Lab File: VX004012.D
Acq: 13 Aug 2018 20:33

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.3	131.3	196.9
98	63.8	51.8	77.6





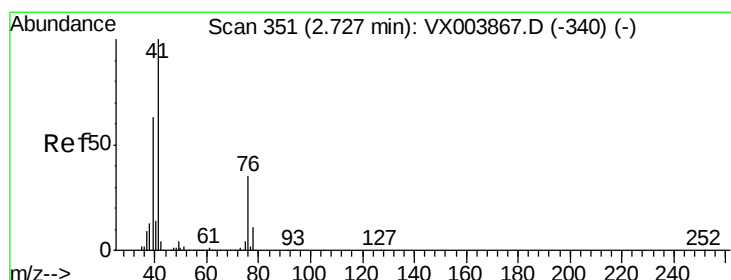
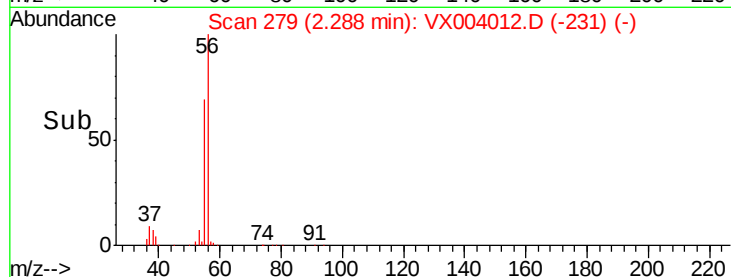
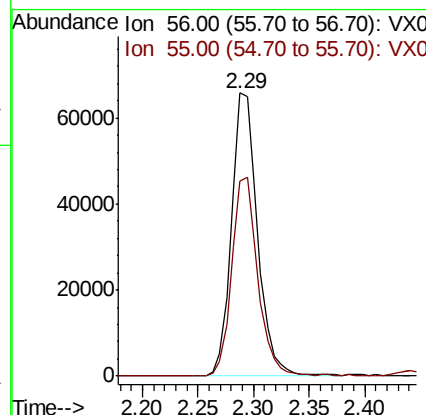
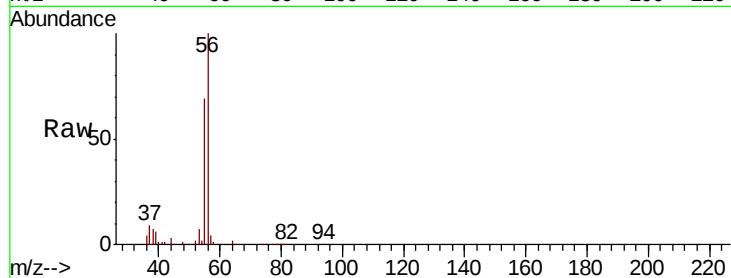
#13
Acrolein
Concen: 188.99 ug/l
RT: 2.29 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX004012.D
Acq: 13 Aug 2018 20:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.5	56.1	84.1

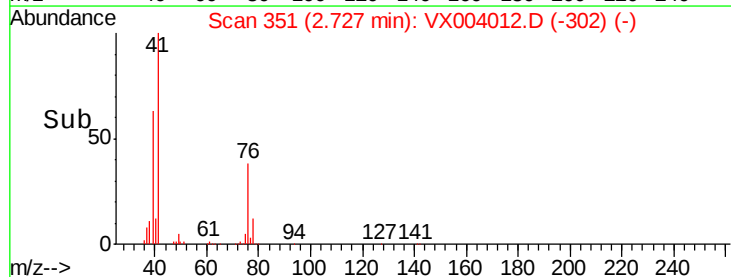
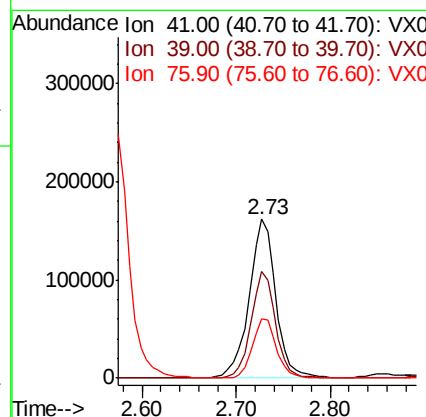
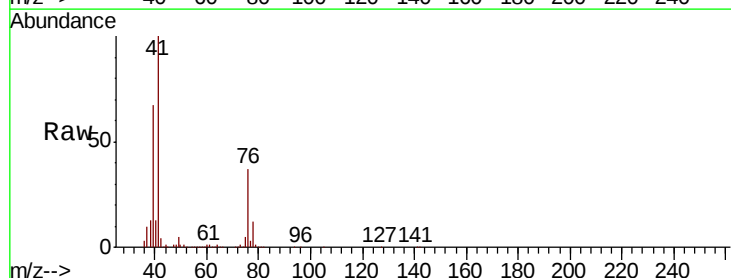
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#14
Allyl chloride
Concen: 48.39 ug/l
RT: 2.73 min Scan# 351
Delta R.T. 0.00 min
Lab File: VX004012.D
Acq: 13 Aug 2018 20:33

Tgt Ion	Ratio	Lower	Upper
41	100		
39	61.5	47.4	71.0
76	33.7	26.0	39.0





#15

Acrylonitrile

Concen: 245.14 ug/l

RT: 3.14 min Scan# 419

Delta R.T. -0.01 min

Lab File: VX004012.D

Acq: 13 Aug 2018 20:33

Instrument :

MSVOA_X

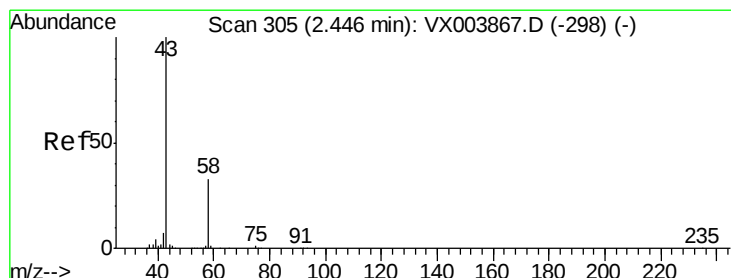
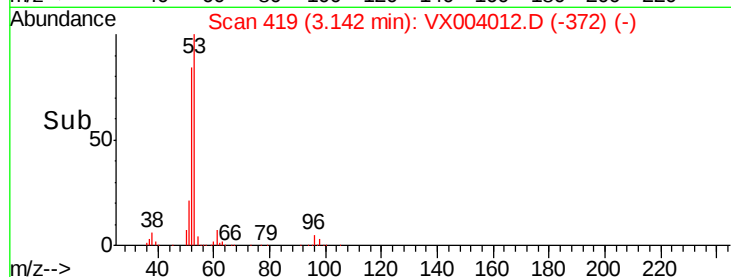
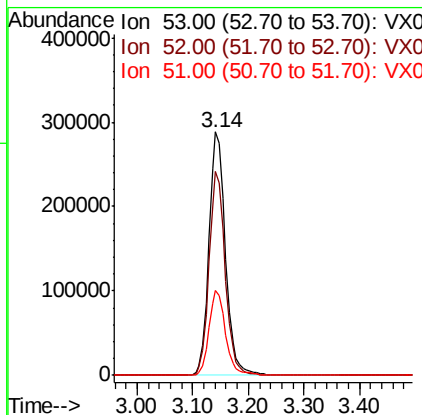
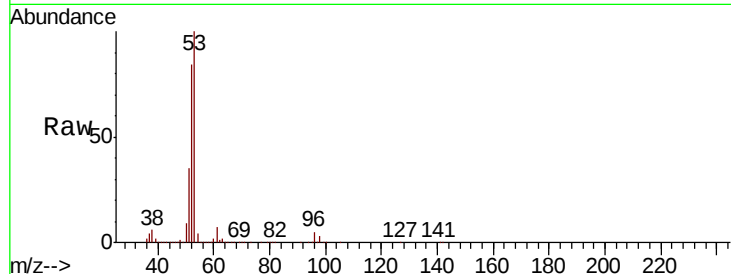
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	597973
Ion Ratio	Lower	Upper	
53	100		
52	82.1	65.3	97.9
51	35.1	27.9	41.9

Manual Integrations
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#16

Acetone

Concen: 235.48 ug/l

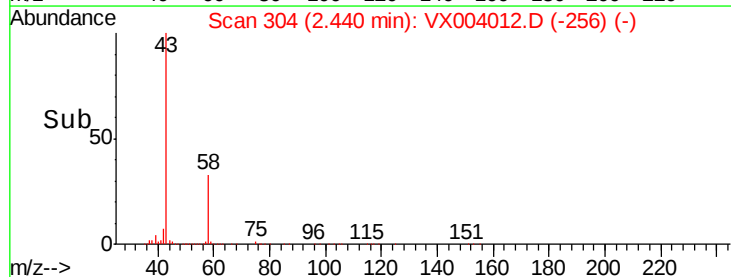
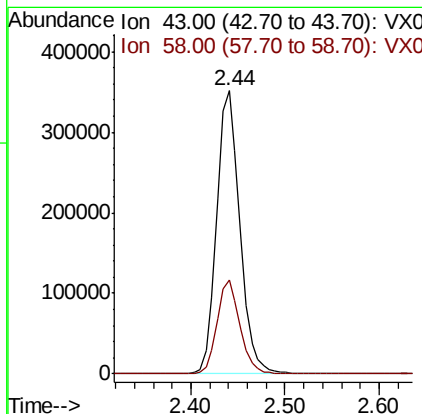
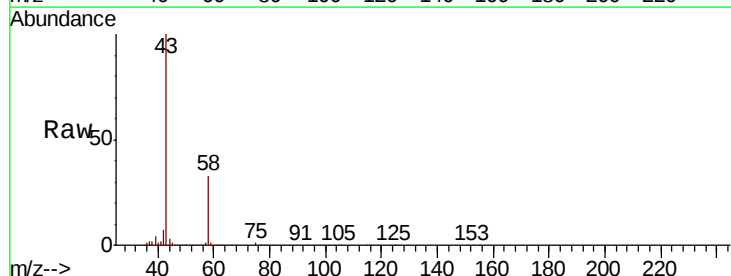
RT: 2.44 min Scan# 304

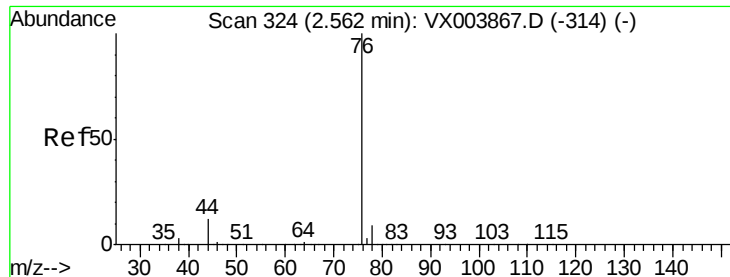
Delta R.T. -0.01 min

Lab File: VX004012.D

Acq: 13 Aug 2018 20:33

Tgt Ion:	43	Resp:	595984
Ion Ratio	Lower	Upper	
43	100		
58	33.1	26.4	39.6





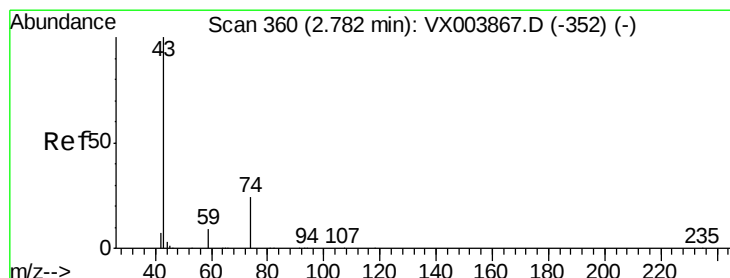
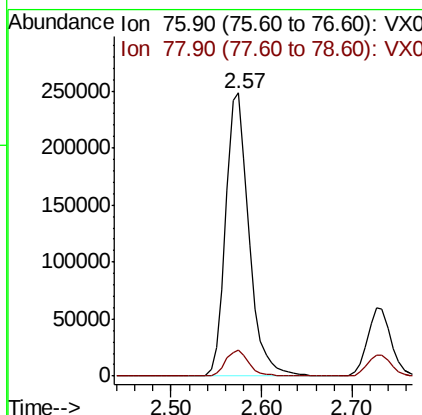
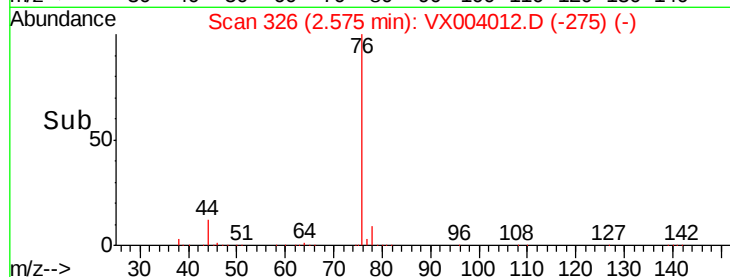
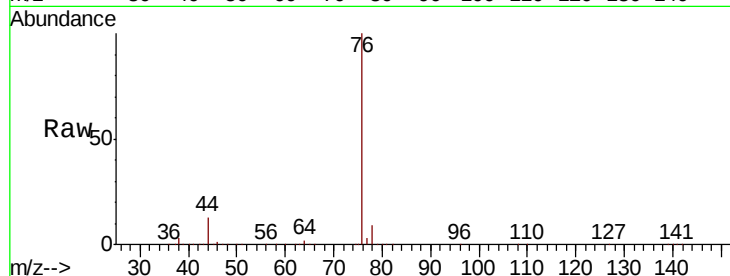
#17
Carbon Disulfide
Concen: 42.10 ug/l
RT: 2.57 min Scan# 326
Delta R.T. 0.01 min
Lab File: VX004012.D
Acq: 13 Aug 2018 20:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 442453
Ion Ratio Lower Upper
76 100
78 9.4 7.5 11.3

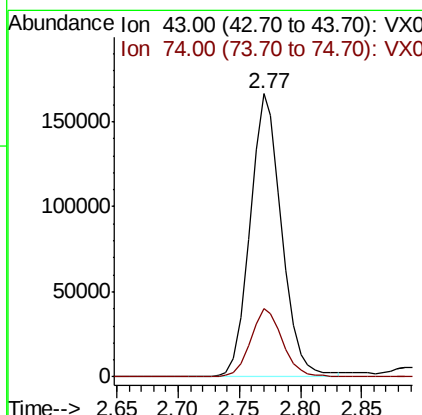
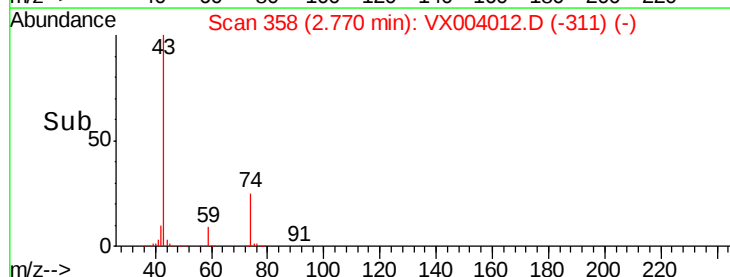
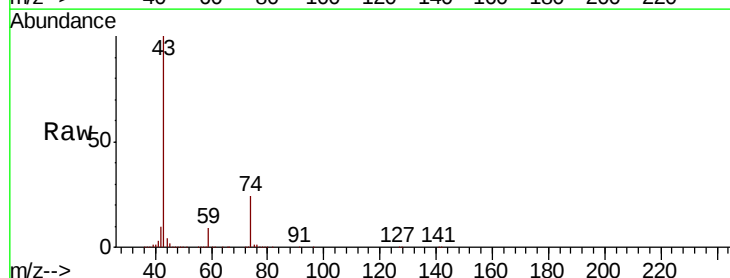
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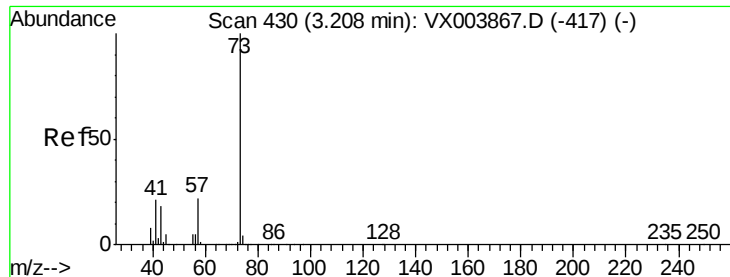
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#18
Methyl Acetate
Concen: 53.98 ug/l
RT: 2.77 min Scan# 358
Delta R.T. -0.01 min
Lab File: VX004012.D
Acq: 13 Aug 2018 20:33

Tgt Ion: 43 Resp: 297484
Ion Ratio Lower Upper
43 100
74 24.7 18.9 28.3





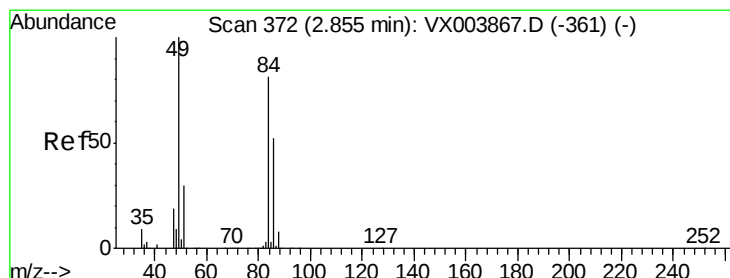
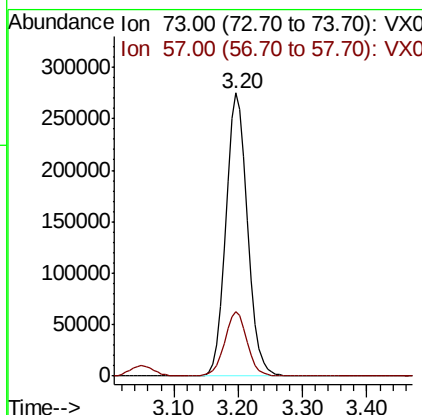
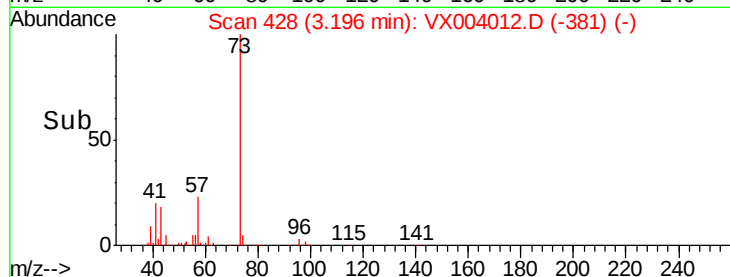
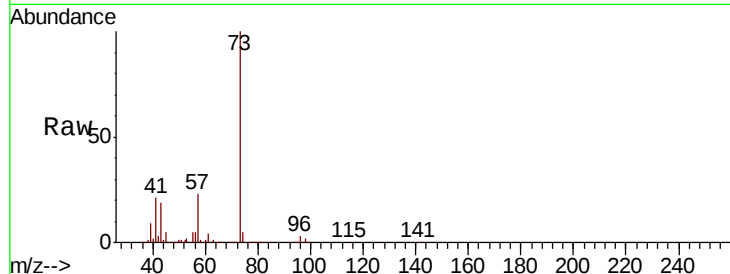
#19
Methyl tert-butyl Ether
Concen: 53.29 ug/l
RT: 3.20 min Scan# 428
Delta R.T. -0.01 min
Lab File: VX004012.D
Acq: 13 Aug 2018 20:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.0	18.0	27.0

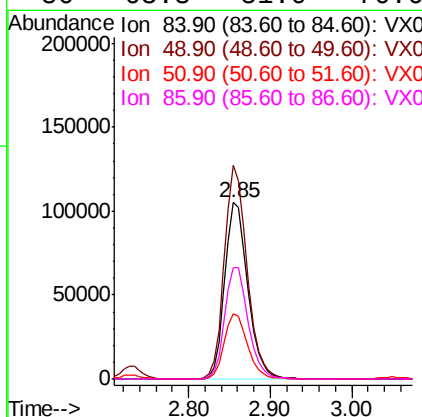
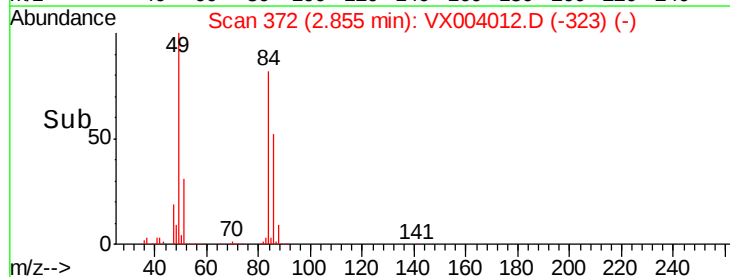
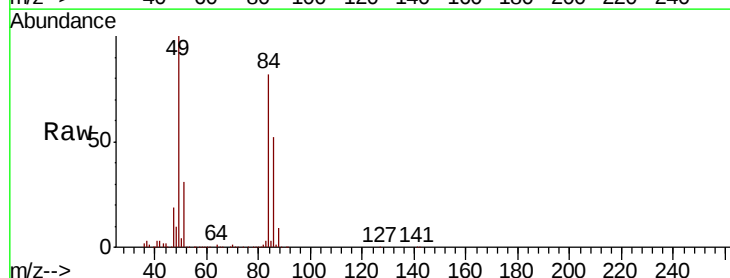
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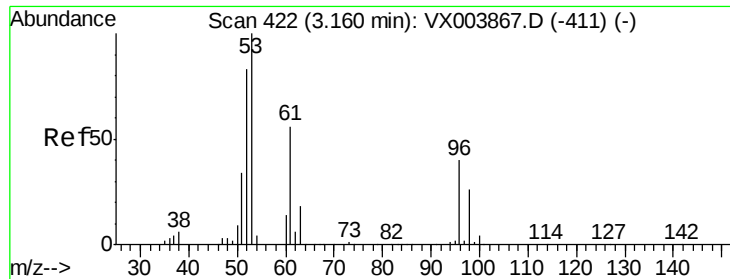
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#20
Methylene Chloride
Concen: 33.56 ug/l
RT: 2.85 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX004012.D
Acq: 13 Aug 2018 20:33

Tgt Ion	Ratio	Lower	Upper
84	100		
49	121.3	98.9	148.3
51	37.1	29.9	44.9
86	63.3	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 49.00 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.01 min

Lab File: VX004012.D

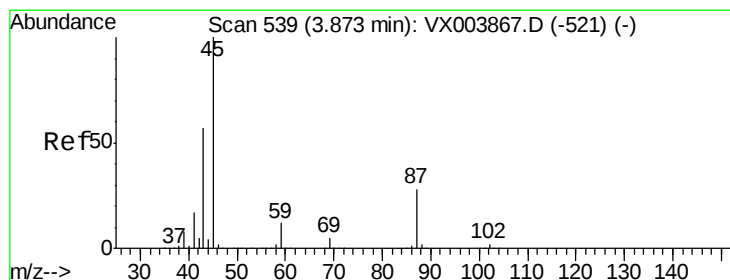
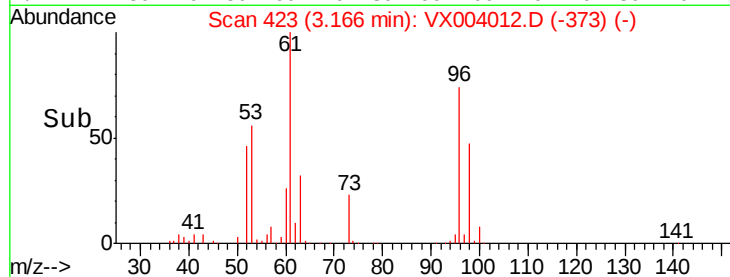
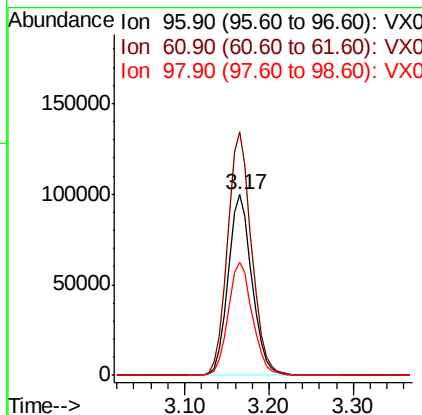
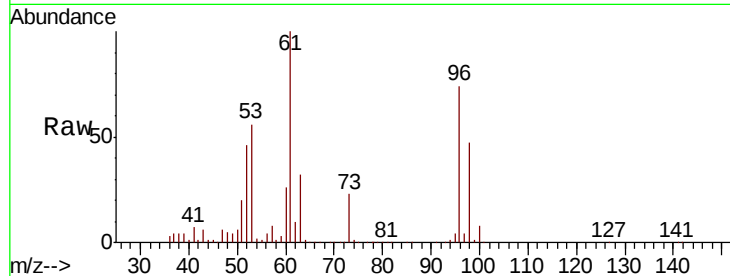
Acq: 13 Aug 2018 20:33

Instrument :
MSVOA_X
ClientSampleID :
VSTDCCC050EC

Tot Ion:	96	Resp:	191623
Ion	Ratio	Lower	Upper
96	100		
61	134.9	111.8	167.6
98	62.8	51.8	77.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 54.30 ug/l

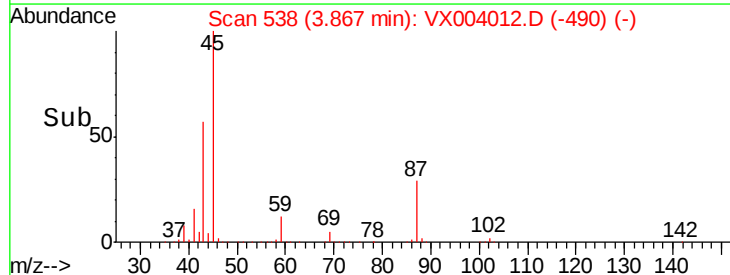
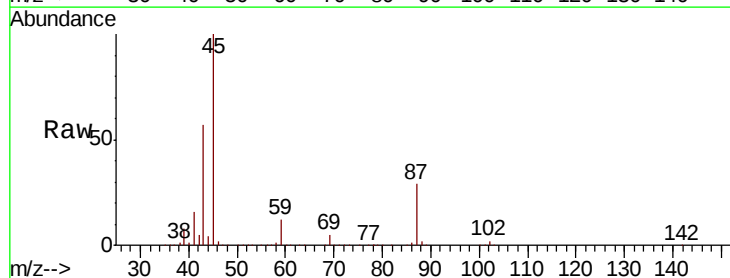
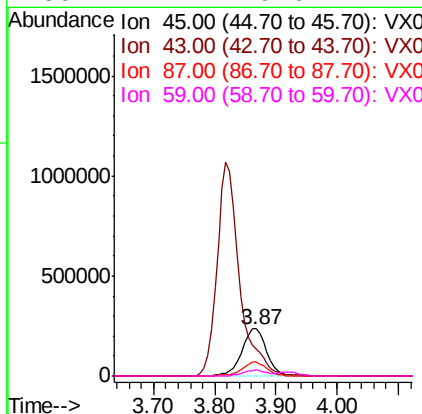
RT: 3.87 min Scan# 538

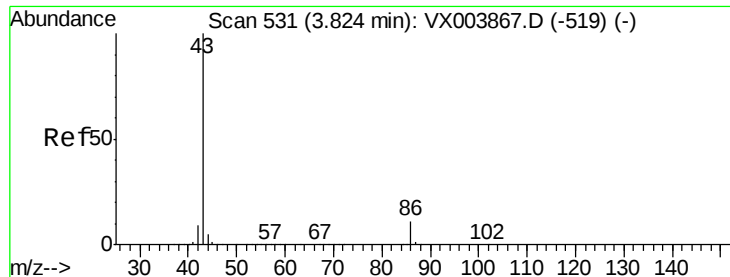
Delta R.T. -0.01 min

Lab File: VX004012.D

Acq: 13 Aug 2018 20:33

Tgt Ion:	45	Resp:	662762
Ion	Ratio	Lower	Upper
45	100		
43	57.4	45.3	67.9
87	28.9	22.7	34.1
59	12.4	9.6	14.4





#23

Vinyl Acetate

Concen: 271.48 ug/l

RT: 3.82 min Scan# 530

Delta R.T. -0.01 min

Lab File: VX004012.D

Acq: 13 Aug 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2757136

Ion Ratio Lower Upper

43 100

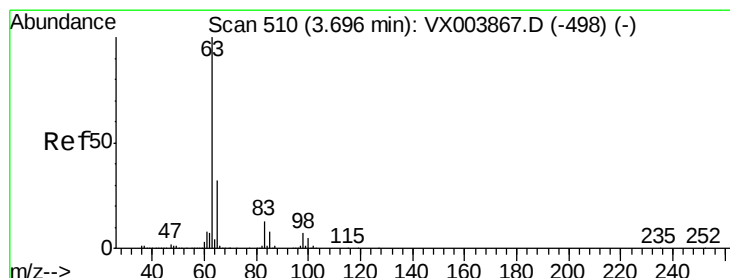
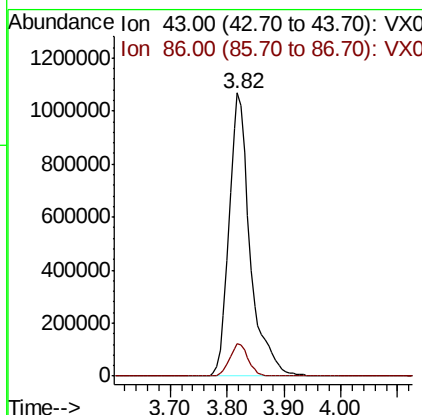
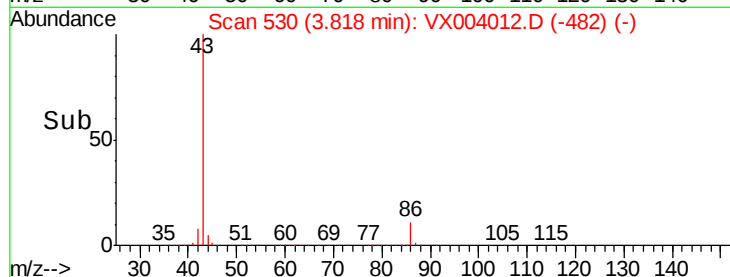
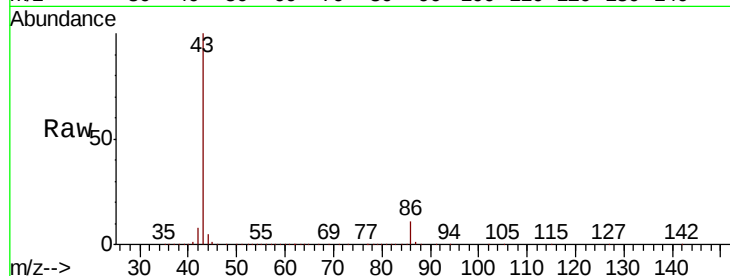
86 11.3 8.9 13.3

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#24

1,1-Dichloroethane

Concen: 50.31 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX004012.D

Acq: 13 Aug 2018 20:33

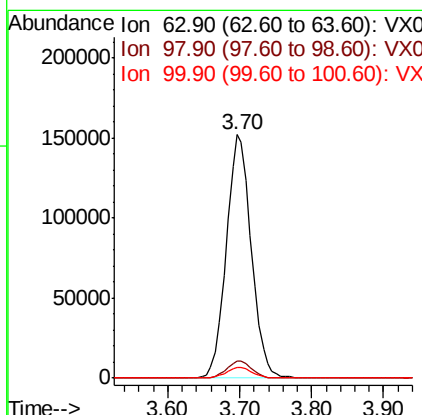
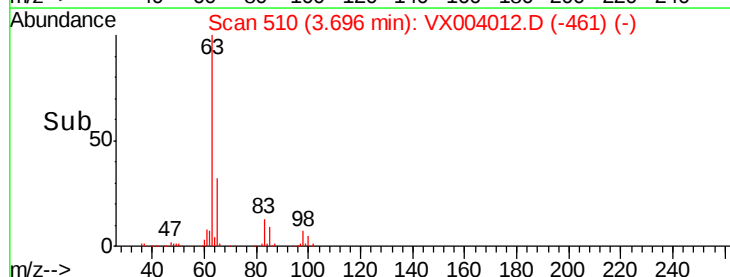
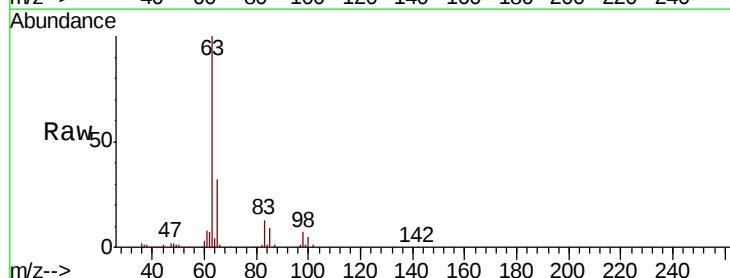
Tgt Ion: 63 Resp: 364761

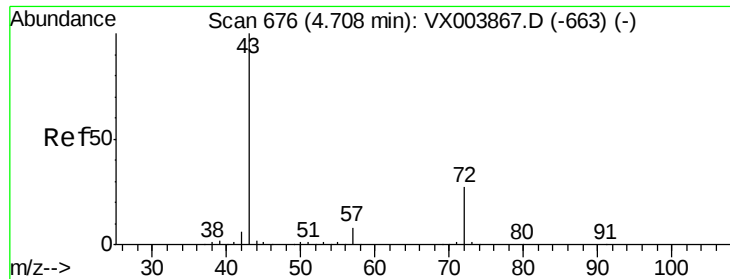
Ion Ratio Lower Upper

63 100

98 7.2 3.5 10.5

100 4.6 2.3 6.8





#25

2-Butanone

Concen: 264.27 ug/l

RT: 4.69 min Scan# 673

Delta R.T. -0.02 min

Lab File: VX004012.D

Acq: 13 Aug 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1005623

Ion Ratio Lower Upper

43 100

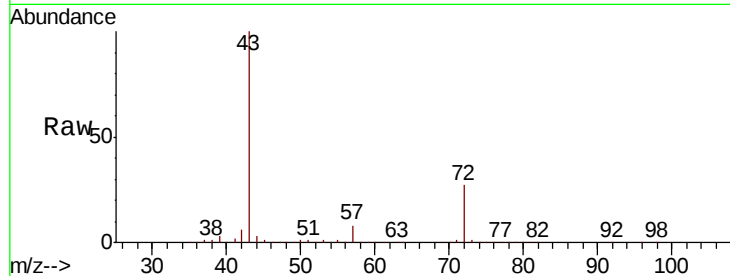
72 27.0 21.4 32.0

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.69

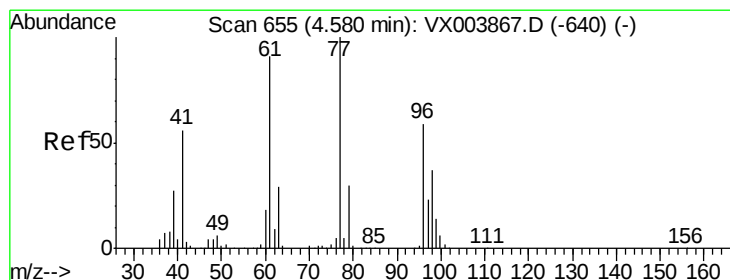
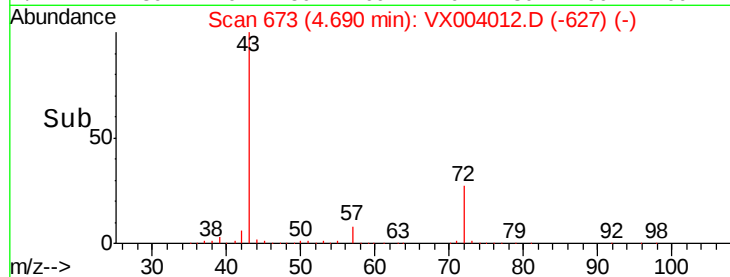
300000

200000

100000

0

Time-->



#26

2,2-Dichloropropane

Concen: 46.49 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.01 min

Lab File: VX004012.D

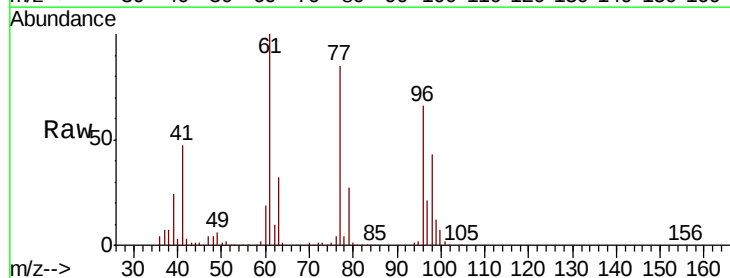
Acq: 13 Aug 2018 20:33

Tgt Ion: 77 Resp: 243085

Ion Ratio Lower Upper

77 100

97 24.2 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.59

80000

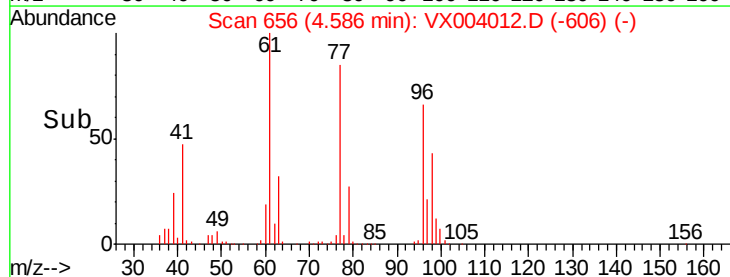
60000

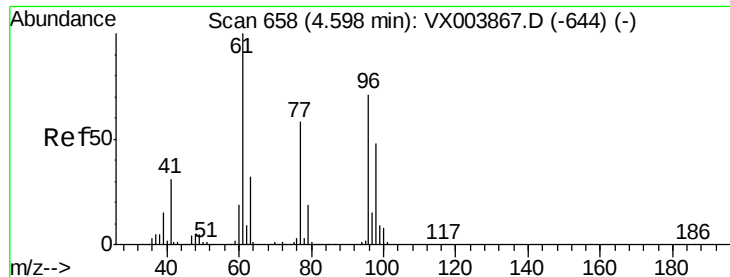
40000

20000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 52.50 ug/l

RT: 4.60 min Scan# 658

Delta R.T. 0.00 min

Lab File: VX004012.D

Acq: 13 Aug 2018 20:33

Instrument :

MSVOA_X

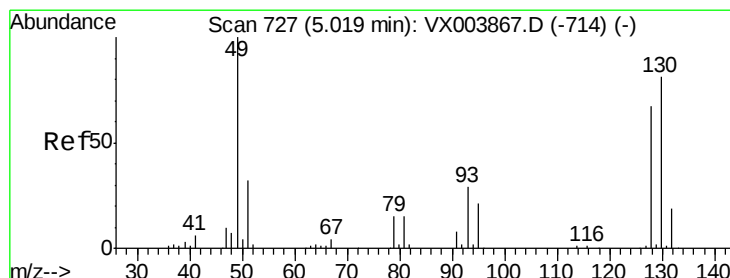
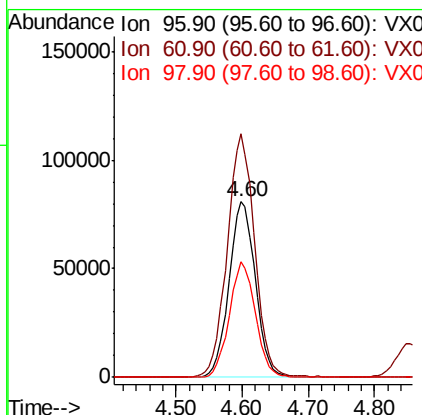
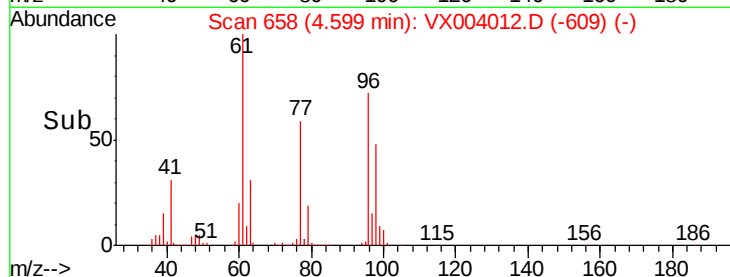
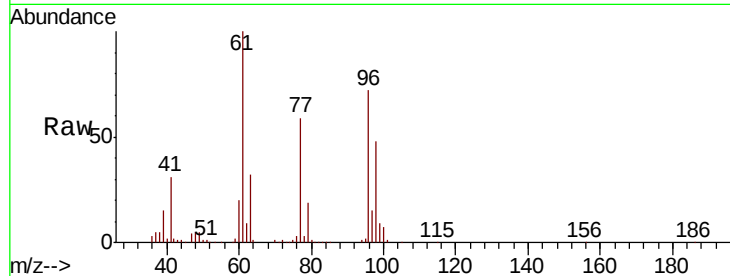
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	222751
Ion Ratio	Lower	Upper	
96	100		
61	144.3	0.0	293.0
98	65.3	0.0	131.8

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#28

Bromochloromethane

Concen: 50.48 ug/l

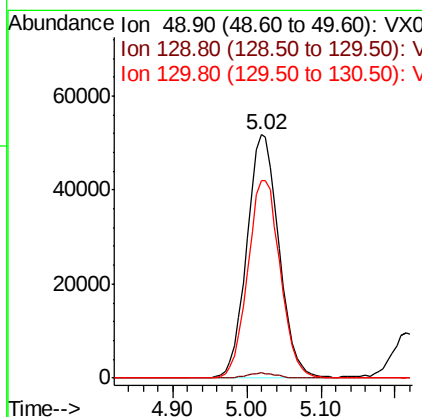
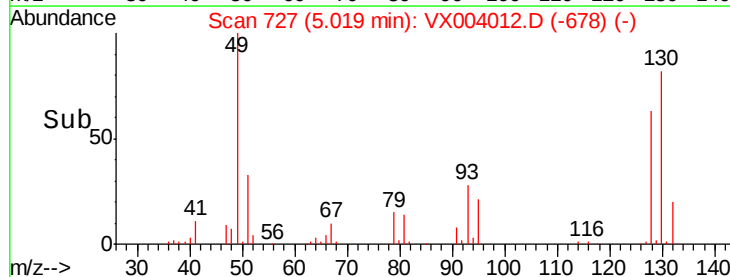
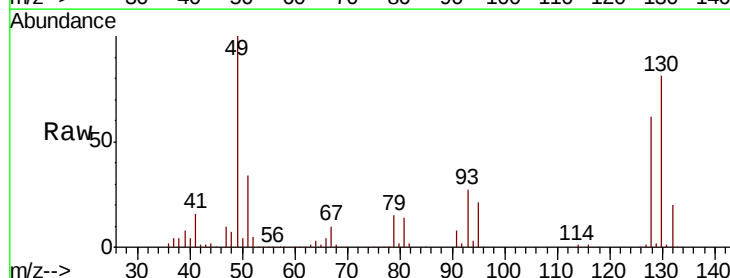
RT: 5.02 min Scan# 727

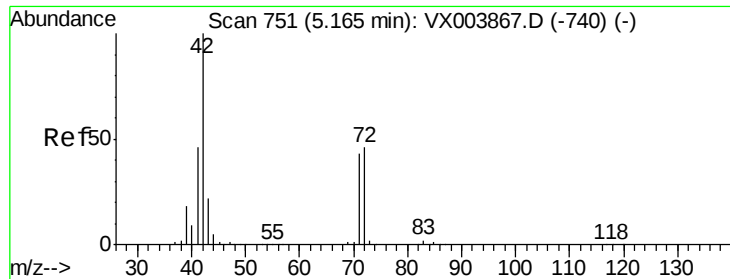
Delta R.T. 0.00 min

Lab File: VX004012.D

Acq: 13 Aug 2018 20:33

Tgt Ion:	49	Resp:	156635
Ion Ratio	Lower	Upper	
49	100		
129	2.1	0.0	4.2
130	82.1	66.5	99.7





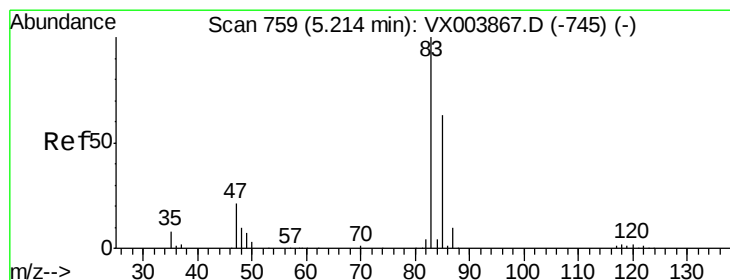
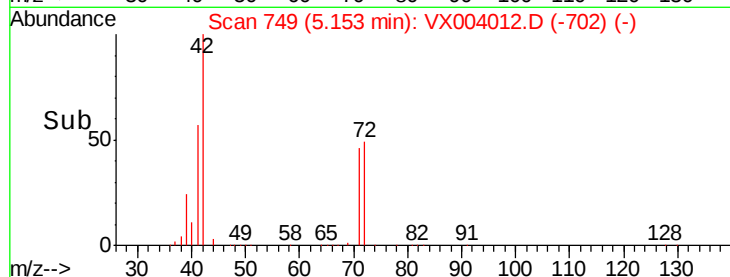
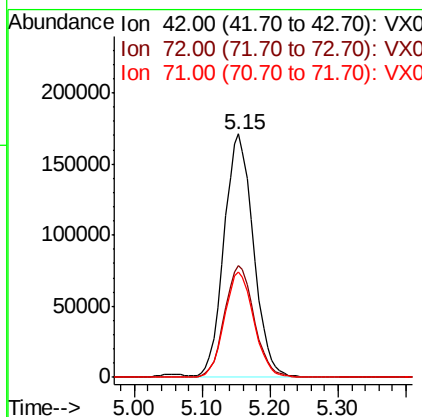
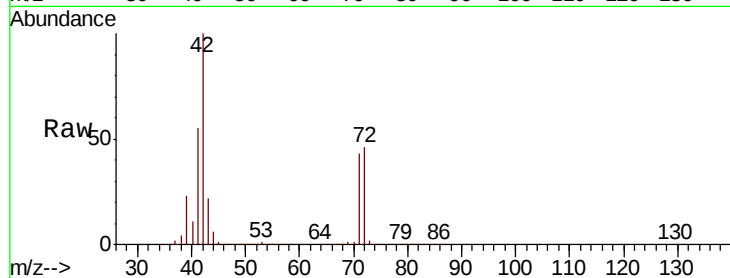
#29
Tetrahydrofuran
Concen: 261.89 ug/l
RT: 5.15 min Scan# 749
Delta R.T. -0.01 min
Lab File: VX004012.D
Acq: 13 Aug 2018 20:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.4	37.7	56.5
71	43.4	35.0	52.6

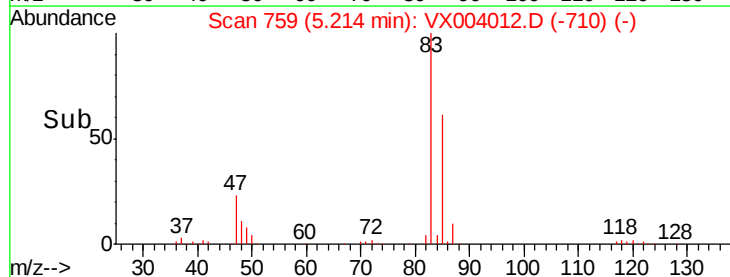
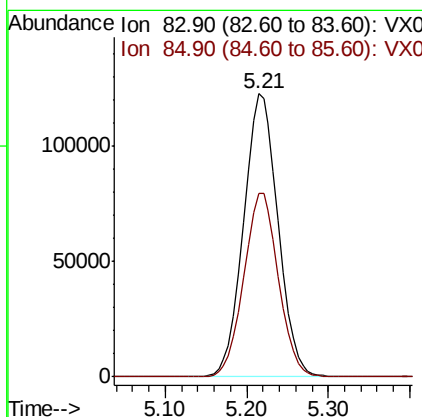
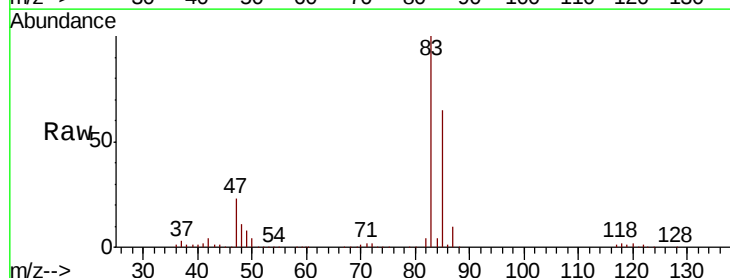
Manual Integrations
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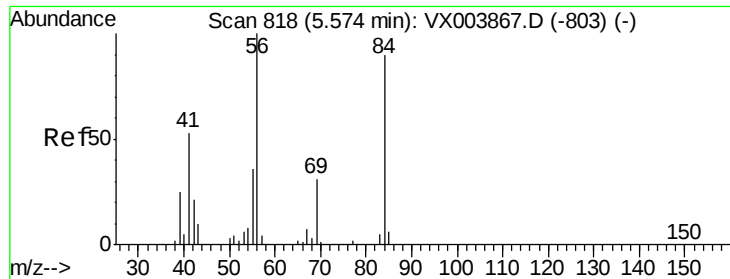
MMDadoda
8/14/2018 12:56:22 PM



#30
Chloroform
Concen: 52.77 ug/l
RT: 5.21 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX004012.D
Acq: 13 Aug 2018 20:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	50.7	76.1





#31

Cyclohexane

Concen: 50.97 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX004012.D

Acq: 13 Aug 2018 20:33

Instrument :

MSVOA_X

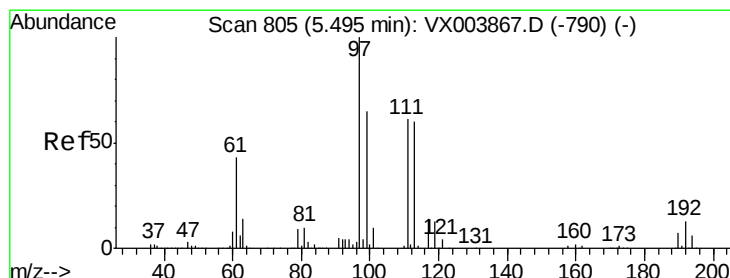
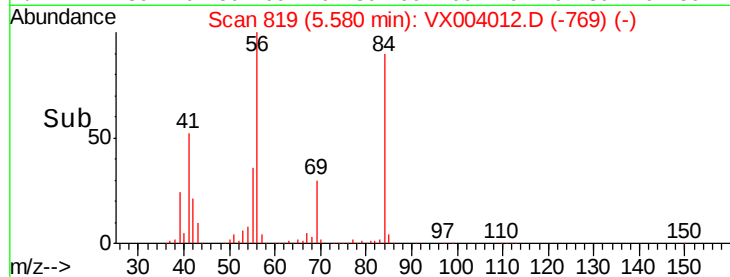
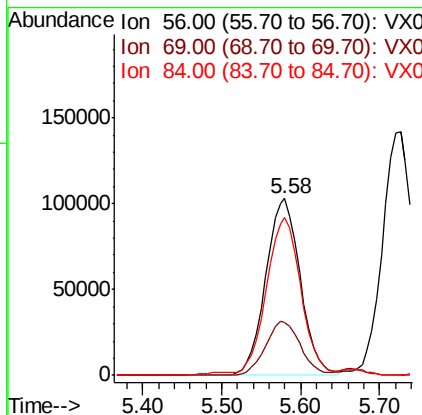
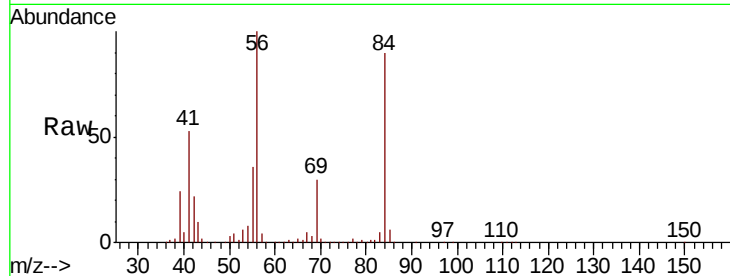
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	312506
Ion Ratio	Lower	Upper	
56	100		
69	29.8	24.9	37.3
84	89.4	71.7	107.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 53.60 ug/l

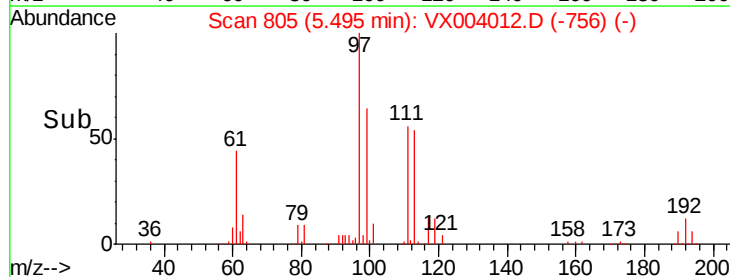
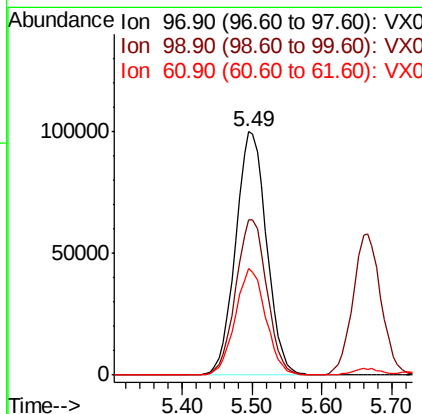
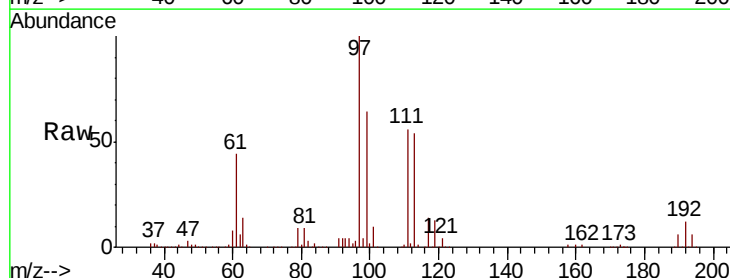
RT: 5.49 min Scan# 805

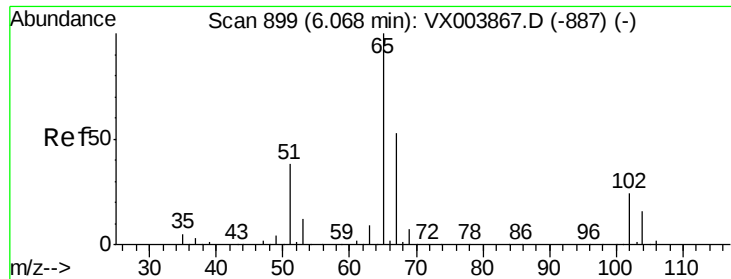
Delta R.T. 0.00 min

Lab File: VX004012.D

Acq: 13 Aug 2018 20:33

Tgt Ion:	97	Resp:	306773
Ion Ratio	Lower	Upper	
97	100		
99	64.2	51.8	77.8
61	43.3	34.4	51.6





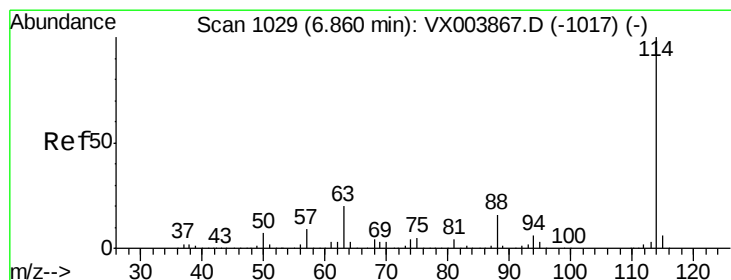
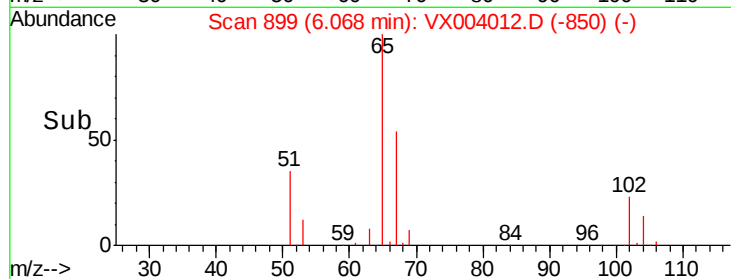
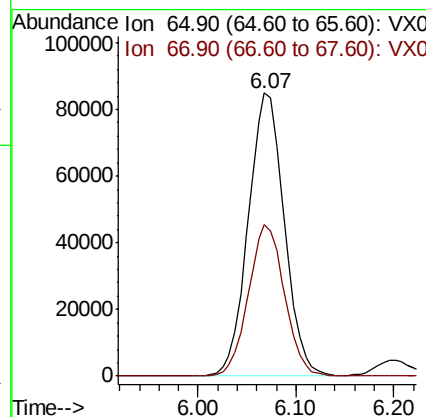
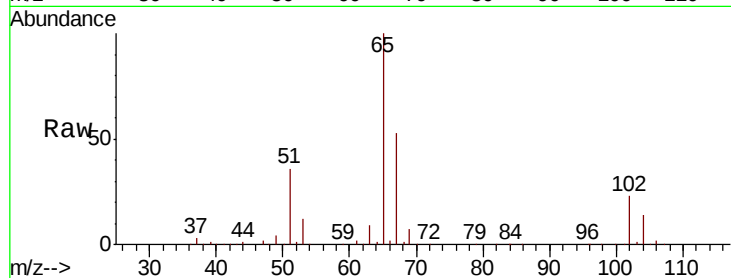
#33
 1,2-Dichloroethane-d4
 Concen: 51.28 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VX004012.D
 Acq: 13 Aug 2018 20:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	218136		
67	53.5	0.0	105.8	

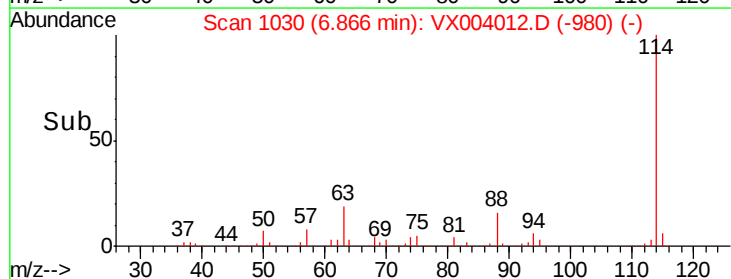
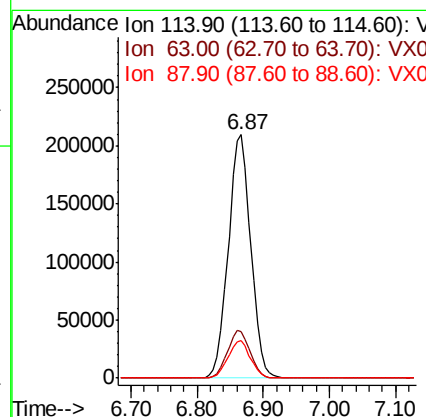
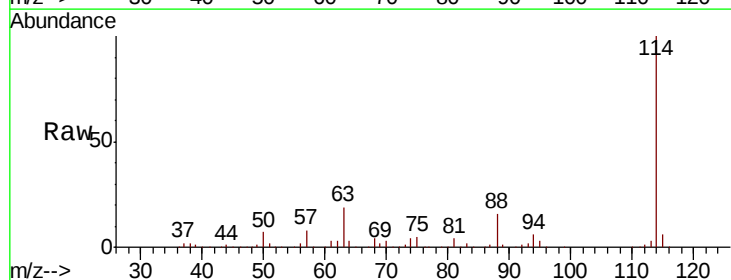
Manual Integrations
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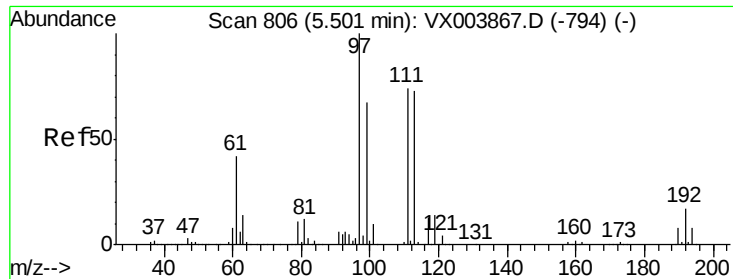
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.01 min
 Lab File: VX004012.D
 Acq: 13 Aug 2018 20:33

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	492645		
63	19.3	0.0	39.0	
88	15.6	0.0	32.0	





#35

Dibromofluoromethane

Concen: 47.41 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.01 min

Lab File: VX004012.D

Acq: 13 Aug 2018 20:33

Instrument :

MSVOA_X

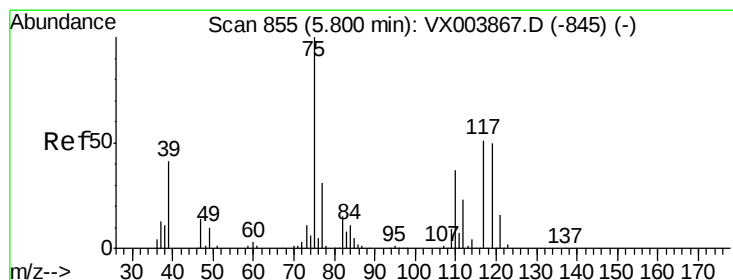
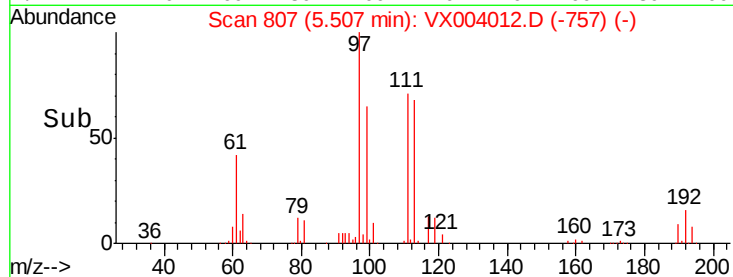
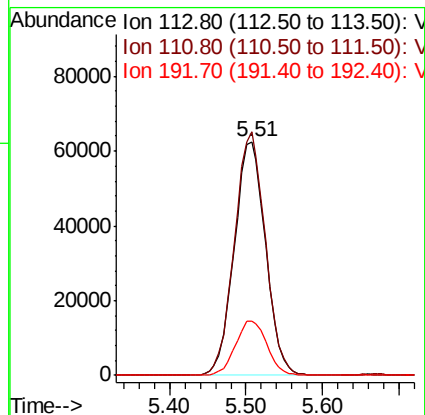
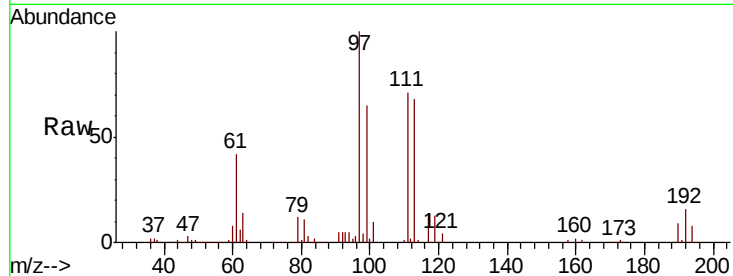
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	176933
Ion Ratio	Lower	Upper	
113	100		
111	102.8	82.0	123.0
192	23.4	19.0	28.4

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 48.92 ug/l

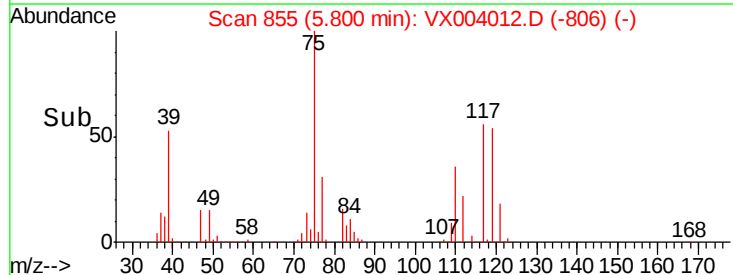
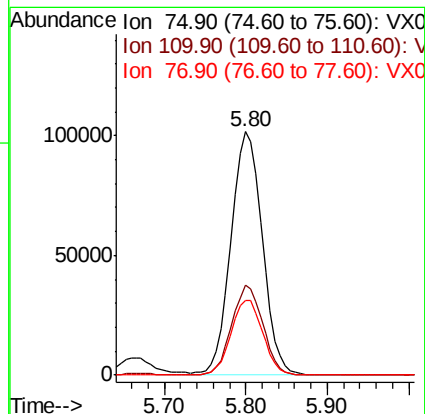
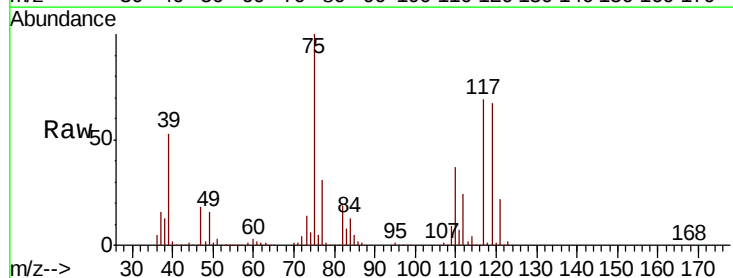
RT: 5.80 min Scan# 855

Delta R.T. 0.00 min

Lab File: VX004012.D

Acq: 13 Aug 2018 20:33

Tgt Ion:	75	Resp:	269934
Ion Ratio	Lower	Upper	
75	100		
110	36.7	18.2	54.6
77	31.3	25.0	37.4





#37

Ethyl Acetate

Concen: 50.73 ug/l

RT: 4.85 min Scan# 699

Delta R.T. -0.02 min

Lab File: VX004012.D

Acq: 13 Aug 2018 20:33

Instrument :

MSVOA_X

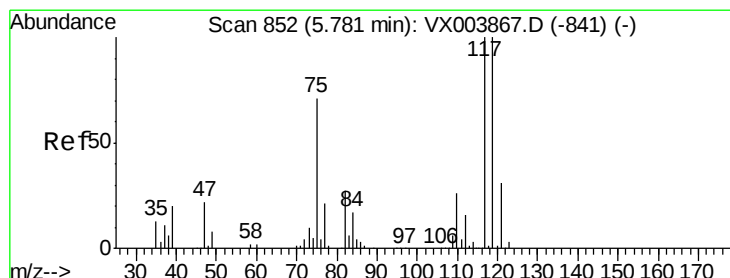
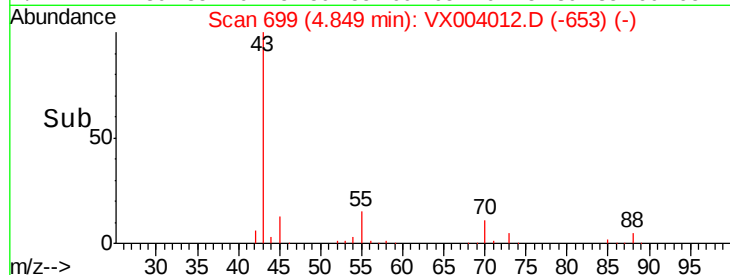
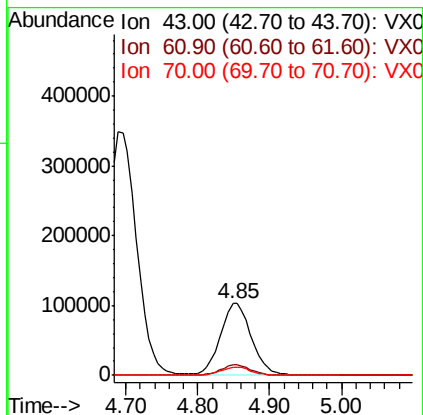
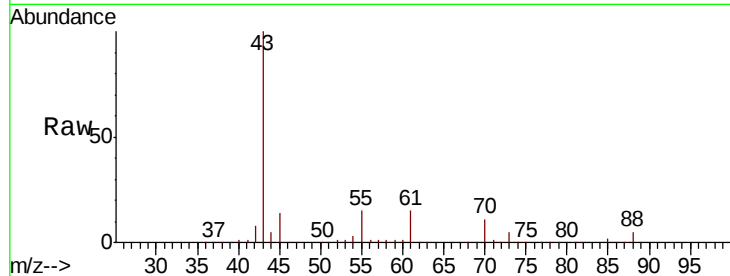
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	307921
Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.5	17.3
70	11.3	9.0	13.4

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 50.76 ug/l

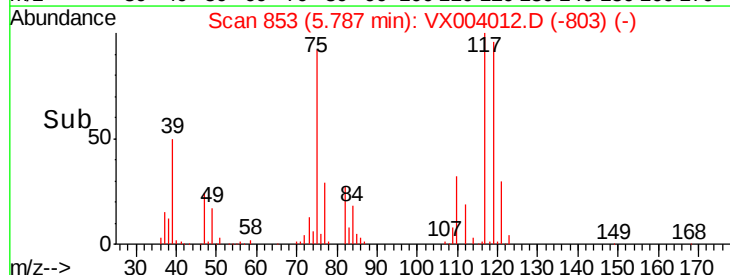
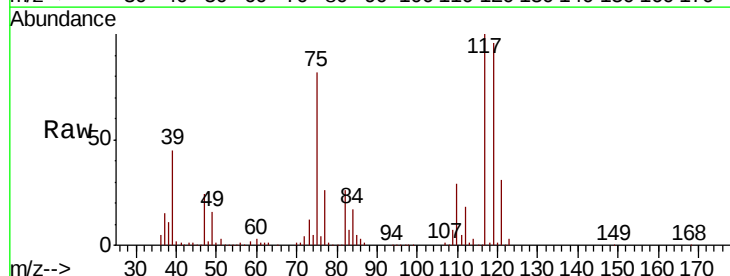
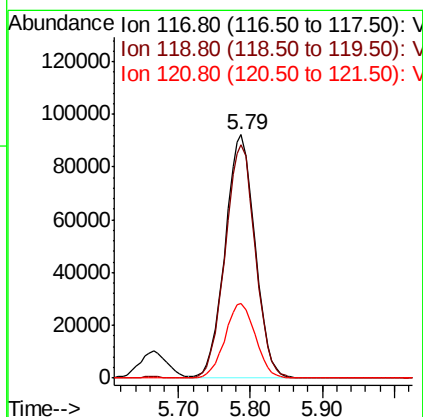
RT: 5.79 min Scan# 853

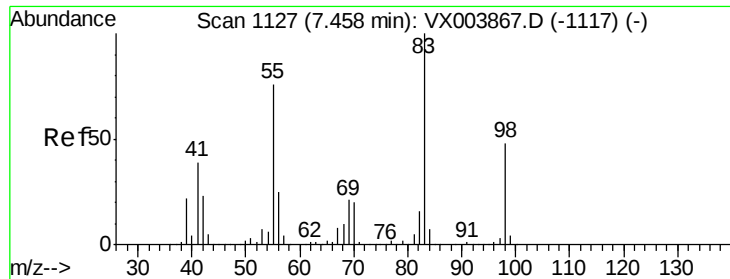
Delta R.T. 0.01 min

Lab File: VX004012.D

Acq: 13 Aug 2018 20:33

Tgt Ion:	117	Resp:	266587
Ion	Ratio	Lower	Upper
117	100		
119	95.8	79.5	119.3
121	30.5	25.0	37.4





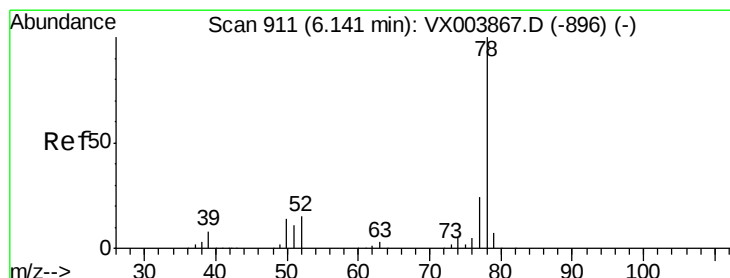
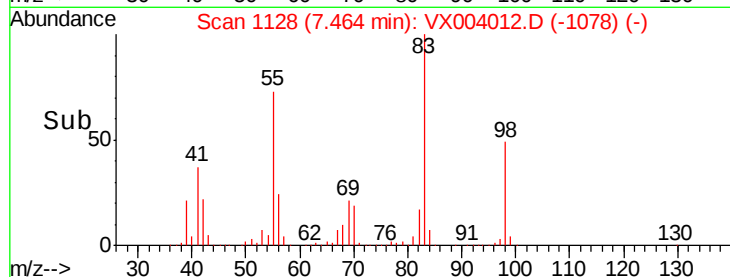
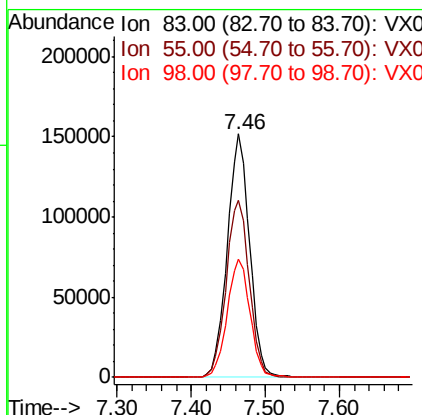
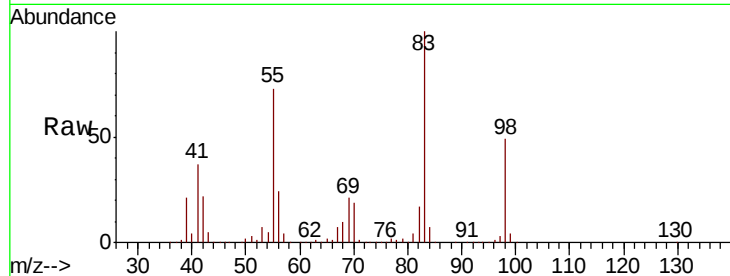
#39
Methylvlcyclohexane
Concen: 48.94 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VX004012.D
Acq: 13 Aug 2018 20:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	72.8	61.0	91.6	
98	48.6	38.6	57.8	

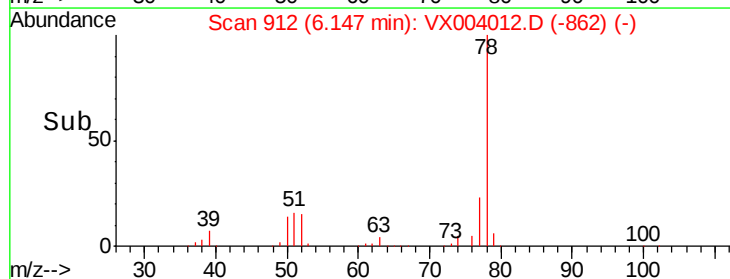
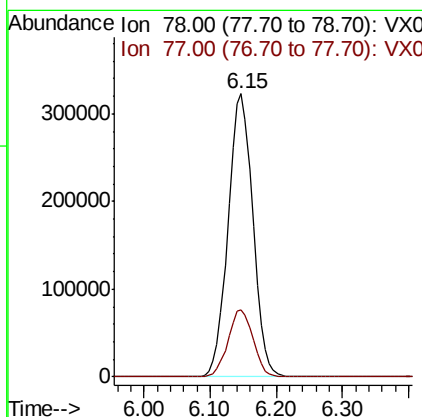
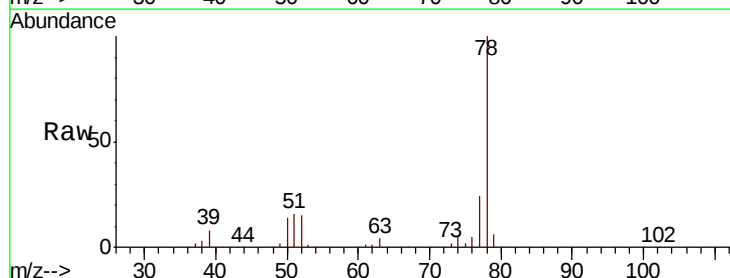
Manual Integrations
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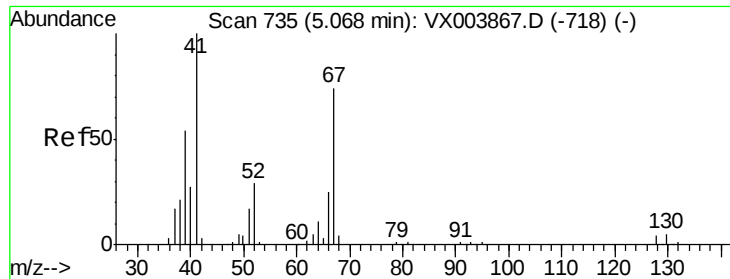
MMDadoda
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#40
Benzene
Concen: 50.61 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.01 min
Lab File: VX004012.D
Acq: 13 Aug 2018 20:33

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.5	19.0	28.4	





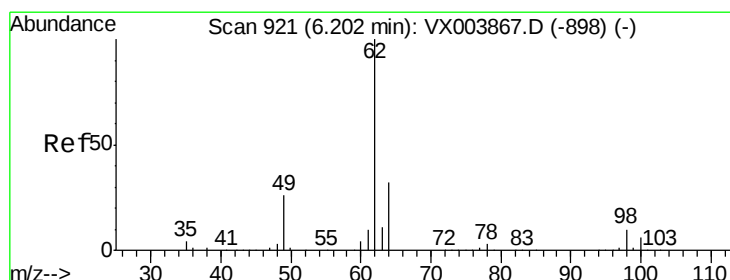
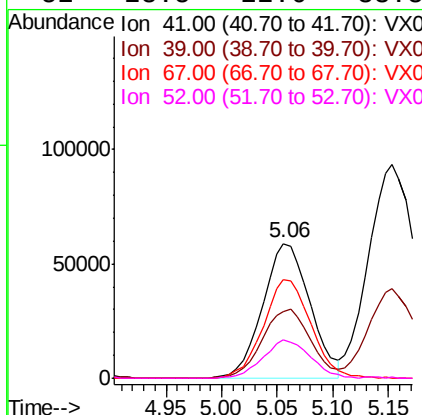
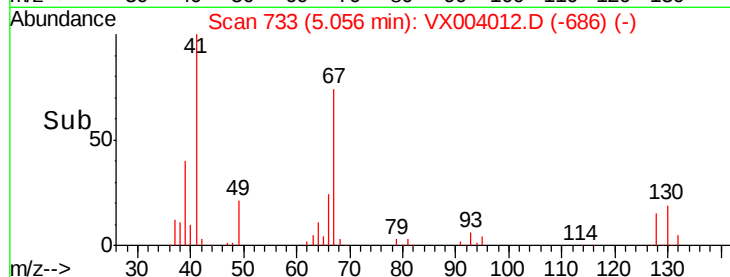
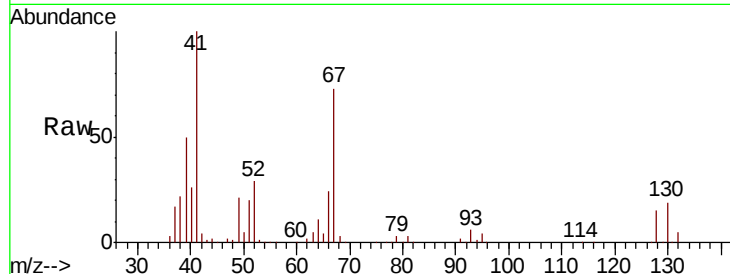
#41
Methacrylonitrile
Concen: 51.96 ug/l
RT: 5.06 min Scan# 733
Delta R.T. -0.01 min
Lab File: VX004012.D
Acq: 13 Aug 2018 20:33

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.3	42.7	64.1	
67	73.9	58.9	88.3	
52	28.5	22.6	33.8	

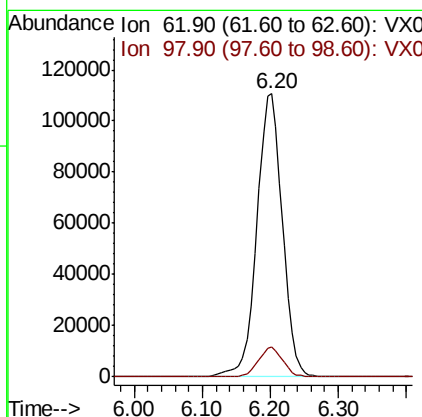
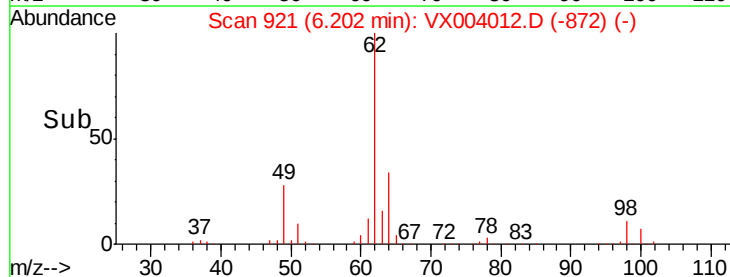
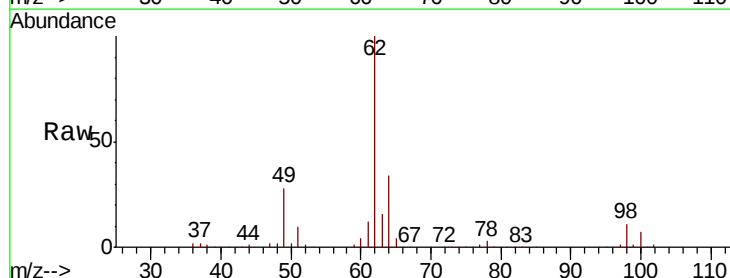
Manual Integrations
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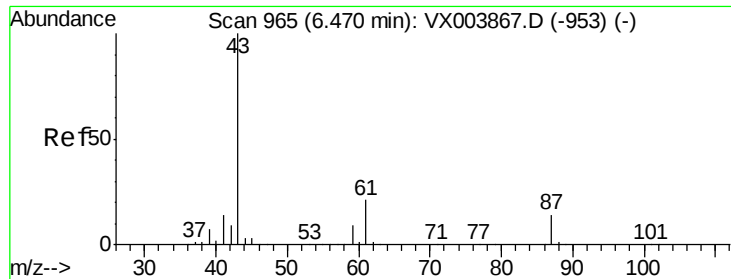
MMDadoda
8/14/2018 12:56:22 PM



#42
1,2-Dichloroethane
Concen: 51.64 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX004012.D
Acq: 13 Aug 2018 20:33

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.2	0.0	20.4	





#43

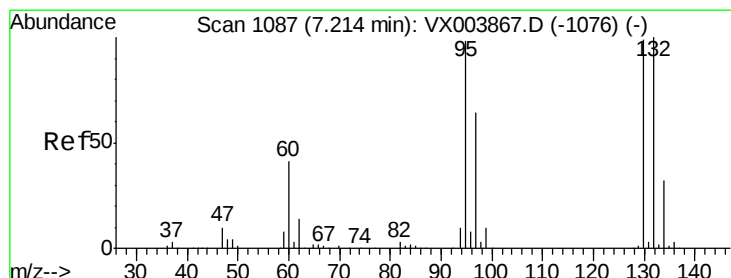
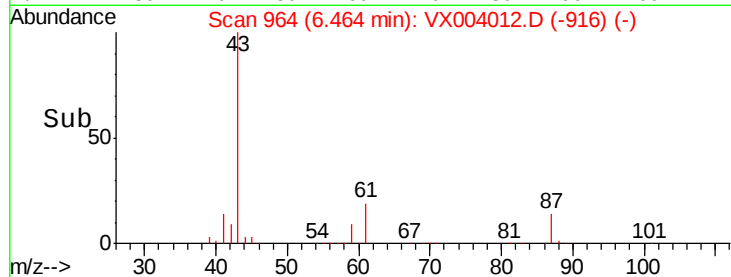
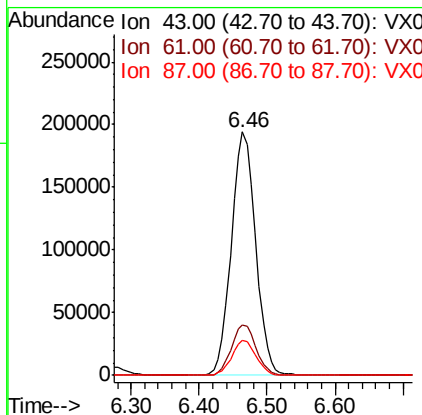
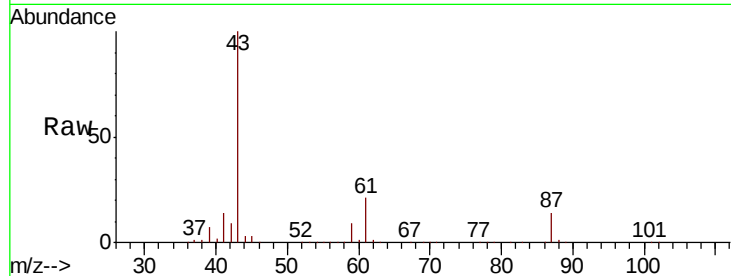
Isopropyl Acetate
 Concen: 52.73 ug/l
 RT: 6.46 min Scan# 964
 Delta R.T. -0.01 min
 Lab File: VX004012.D
 Acq: 13 Aug 2018 20:33

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.2	16.9	25.3
87	14.3	11.3	16.9

Manual Integrations
 APPROVED

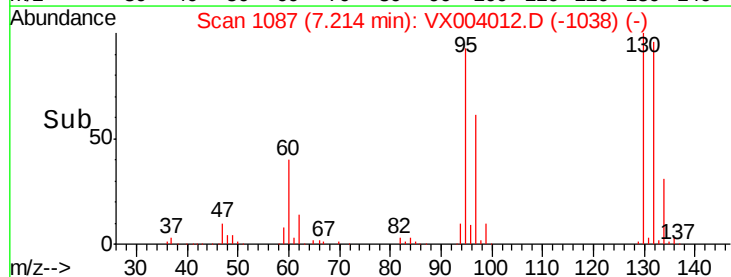
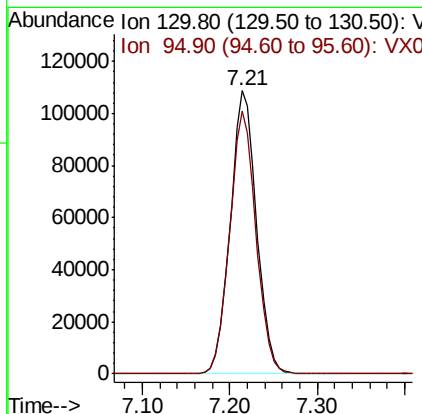
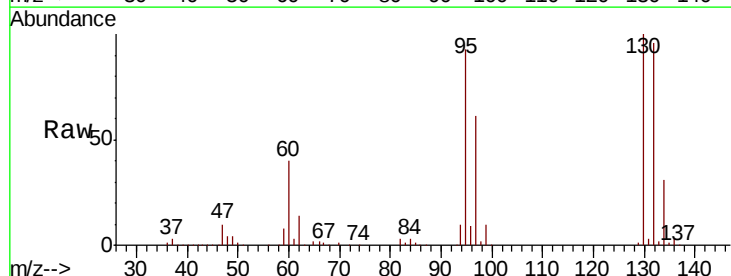
MMDadoda
 8/14/2018 12:56:22 PM

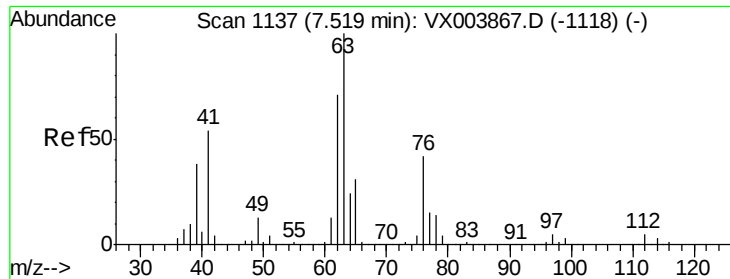


#44

Trichloroethene
 Concen: 50.08 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. 0.00 min
 Lab File: VX004012.D
 Acq: 13 Aug 2018 20:33

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.8	0.0	199.4





#45

1,2-Dichloropropane

Concen: 51.08 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VX004012.D

Acq: 13 Aug 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 218543

Ion Ratio Lower Upper

63 100

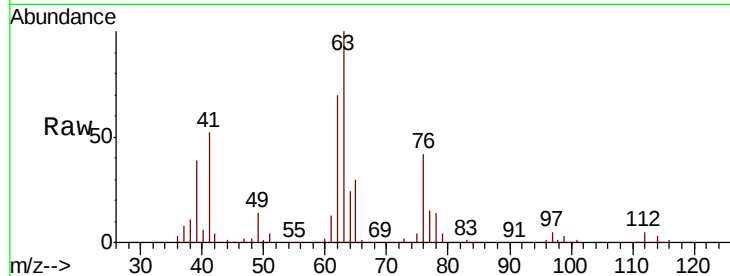
65 30.3 24.6 36.8

Manual Integrations

APPROVED

MMDadoda

8/14/2018 12:56:22 PM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.52

120000

100000

80000

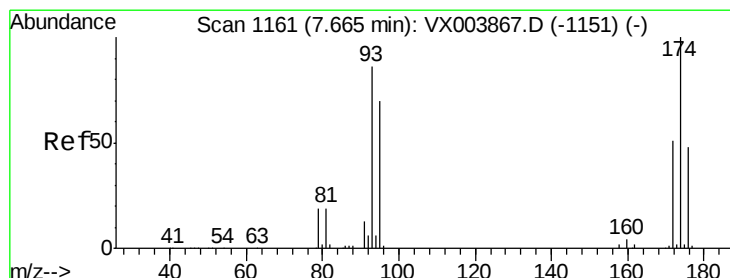
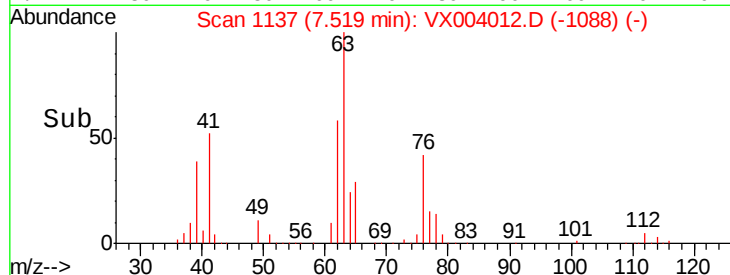
60000

40000

20000

0

Time--> 7.30 7.40 7.50 7.60



#46

Dibromomethane

Concen: 51.03 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VX004012.D

Acq: 13 Aug 2018 20:33

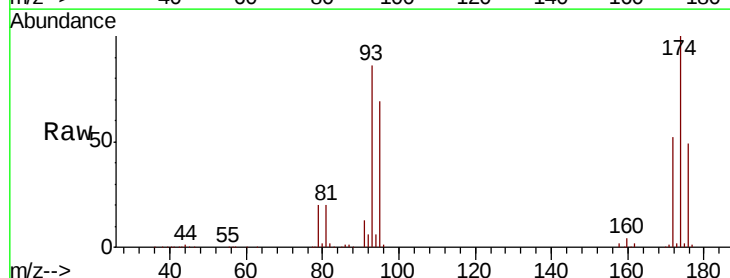
Tgt Ion: 93 Resp: 141758

Ion Ratio Lower Upper

93 100

95 82.8 66.4 99.6

174 117.4 94.3 141.5



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

120000

100000

80000

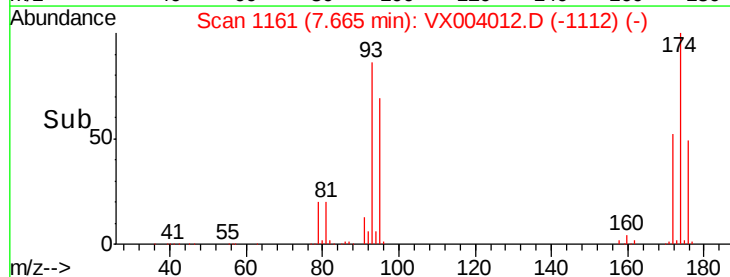
60000

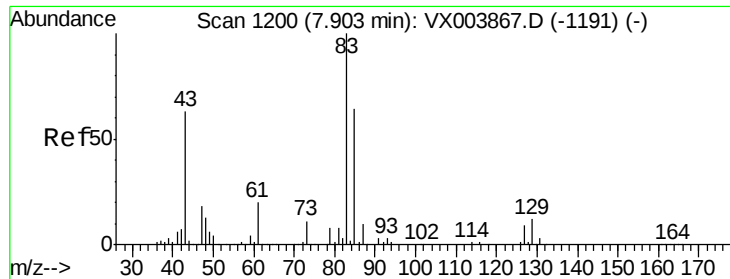
40000

20000

0

Time--> 7.60 7.70 7.80





#47

Bromodichloromethane

Concen: 52.67 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX004012.D

Acq: 13 Aug 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 275607

Ion Ratio Lower Upper

83 100

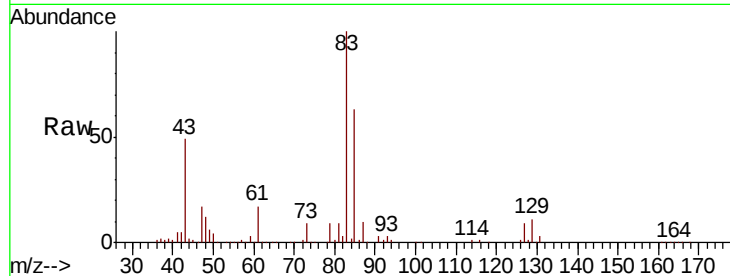
85 62.5 51.2 76.8

127 9.0 7.2 10.8

Manual Integrations
APPROVED

MMDadoda

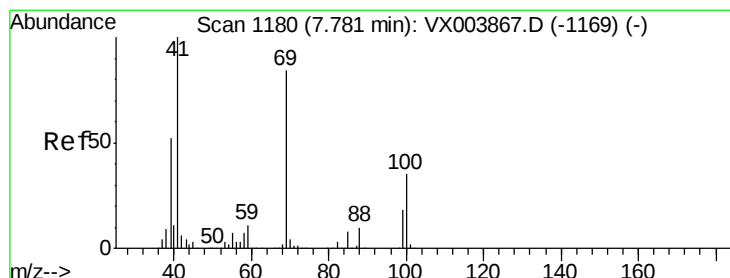
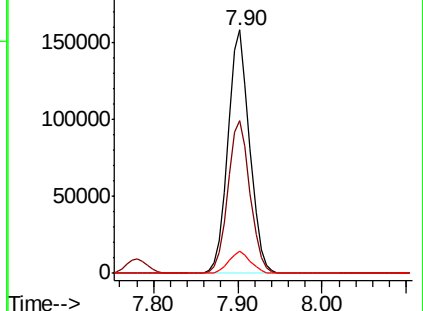
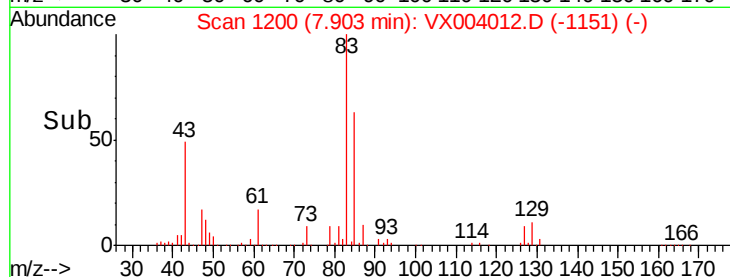
8/14/2018 12:56:22 PM



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 53.64 ug/l

RT: 7.78 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VX004012.D

Acq: 13 Aug 2018 20:33

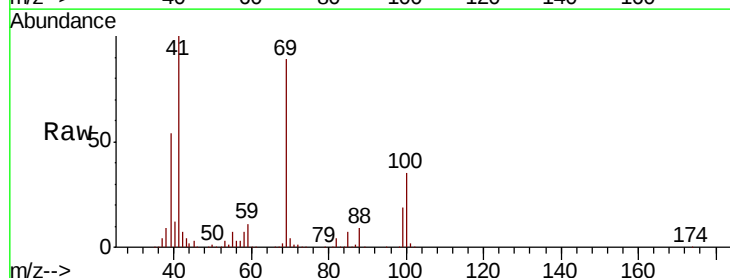
Tgt Ion: 41 Resp: 249037

Ion Ratio Lower Upper

41 100

69 87.9 68.8 103.2

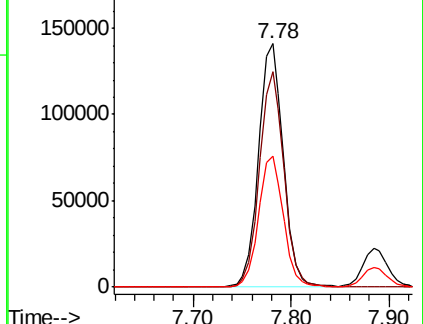
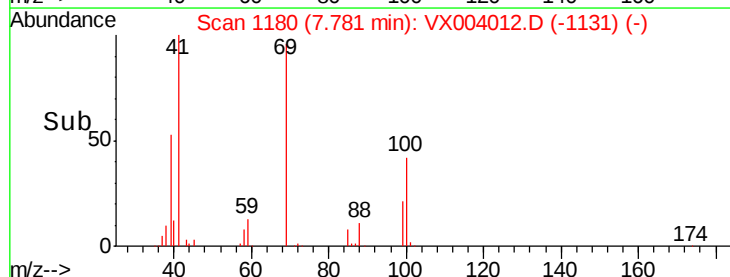
39 53.5 42.3 63.5

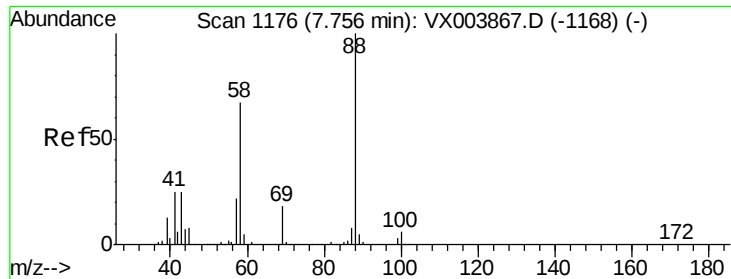


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





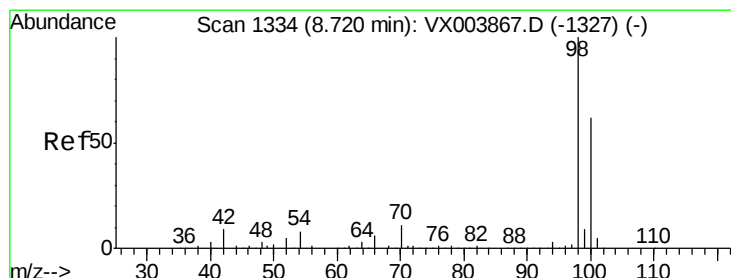
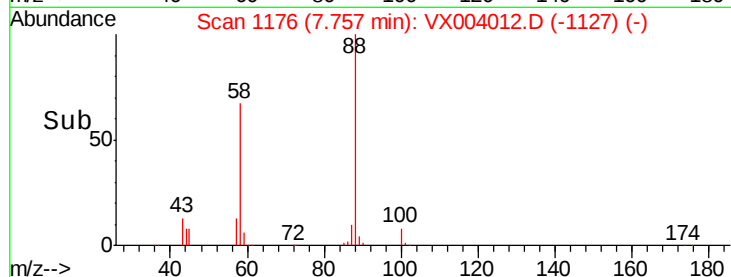
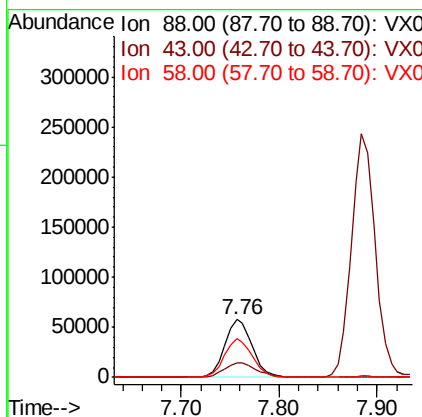
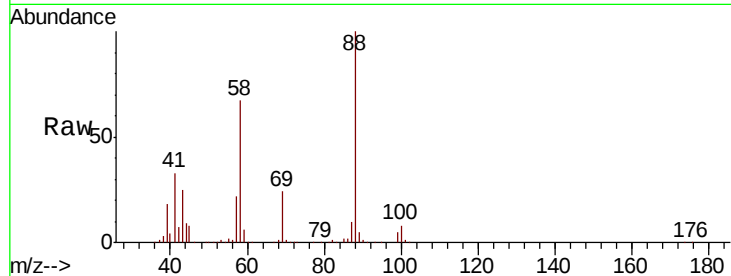
#49
1,4-Dioxane
Concen: 1014.51 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. 0.00 min
Lab File: VX004012.D
Acq: 13 Aug 2018 20:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.9	23.8	35.8
58	68.7	55.4	83.0

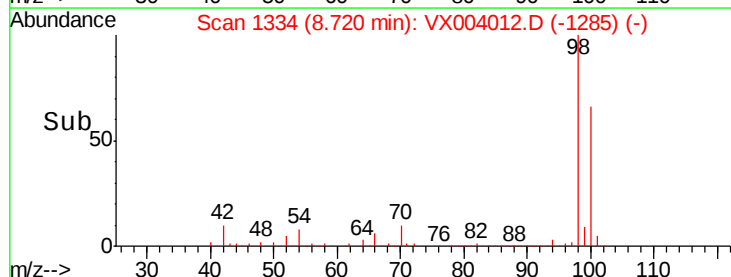
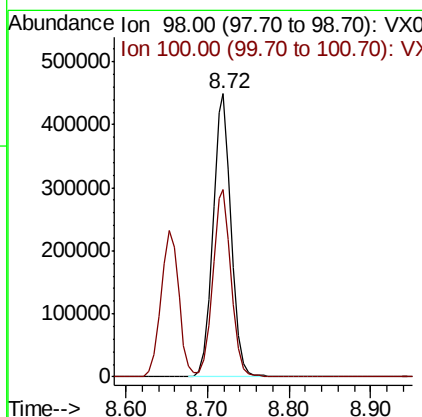
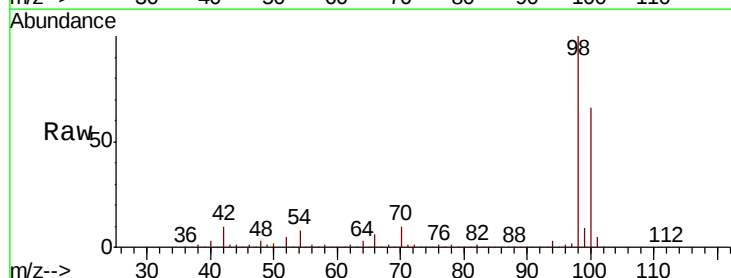
Manual Integrations
APPROVED

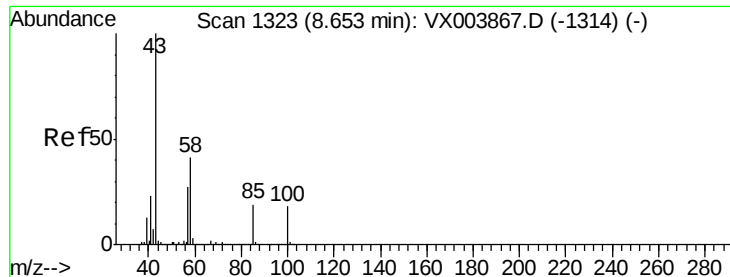
MMDadoda
8/14/2018 12:56:22 PM



#50
Toluene-d8
Concen: 48.49 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX004012.D
Acq: 13 Aug 2018 20:33

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.0	53.3	79.9





#51

4-Methyl-2-Pentanone

Concen: 263.82 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX004012.D

Acq: 13 Aug 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1997344

Ion Ratio Lower Upper

43 100

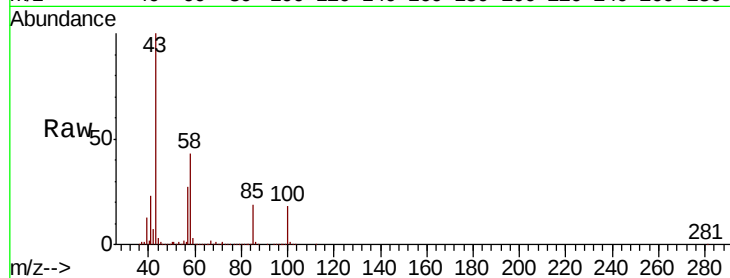
58 41.8 33.0 49.6

Manual Integrations

APPROVED

MMDadoda

8/14/2018 12:56:22 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

1500000

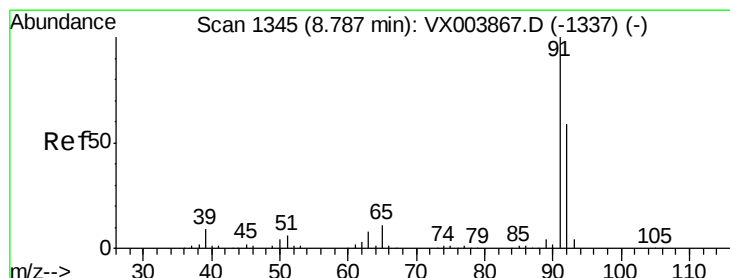
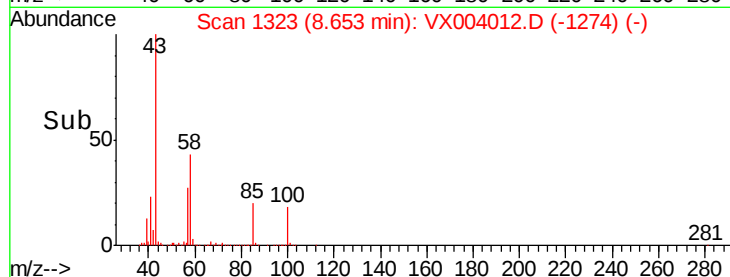
8.65

1000000

500000

0

Time-->



#52

Toluene

Concen: 51.86 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX004012.D

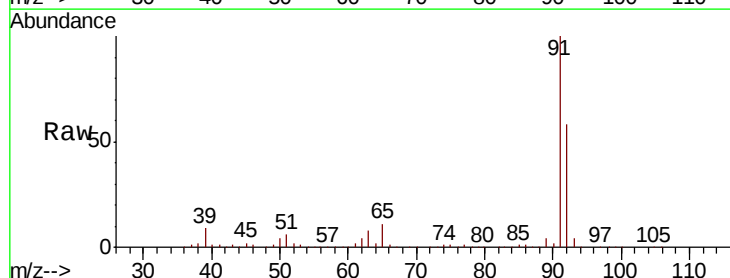
Acq: 13 Aug 2018 20:33

Tgt Ion: 92 Resp: 542920

Ion Ratio Lower Upper

92 100

91 169.3 136.1 204.1



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

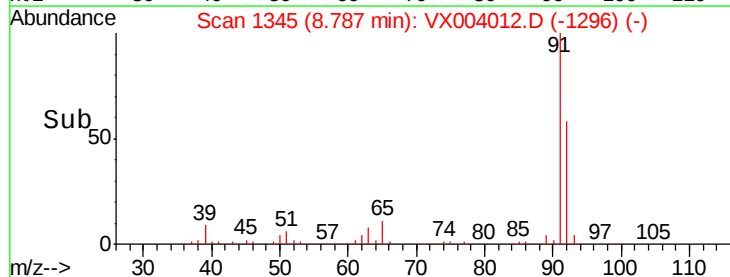
600000

400000

200000

0

Time-->





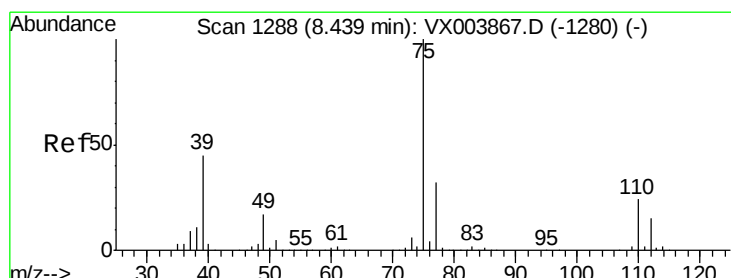
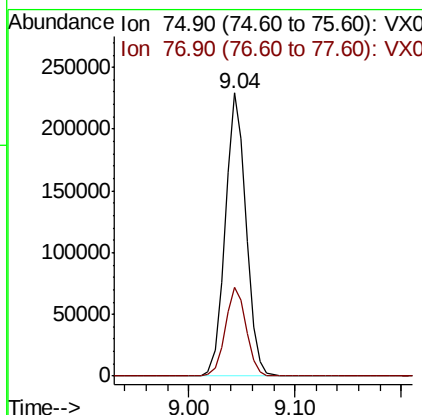
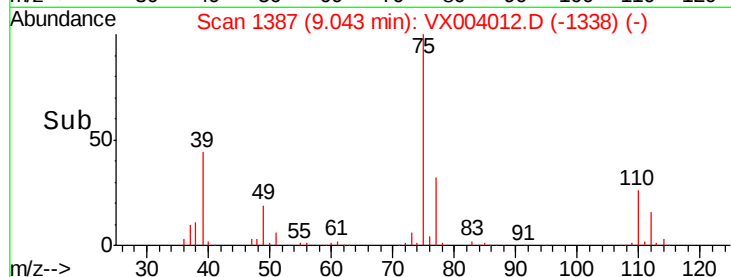
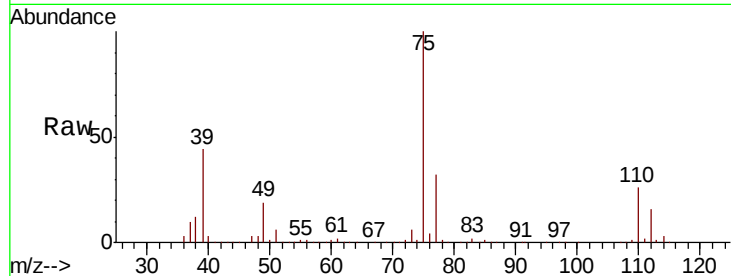
#53
 t-1,3-Dichloropropene
 Concen: 52.82 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. 0.00 min
 Lab File: VX004012.D
 Acq: 13 Aug 2018 20:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 312426
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.1 37.7

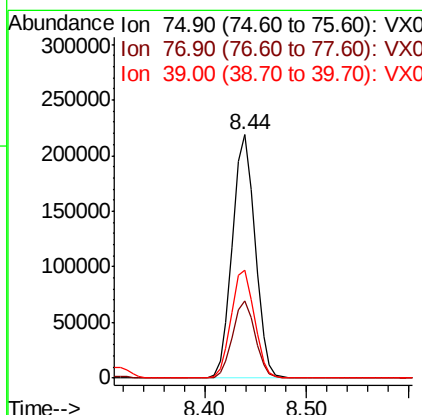
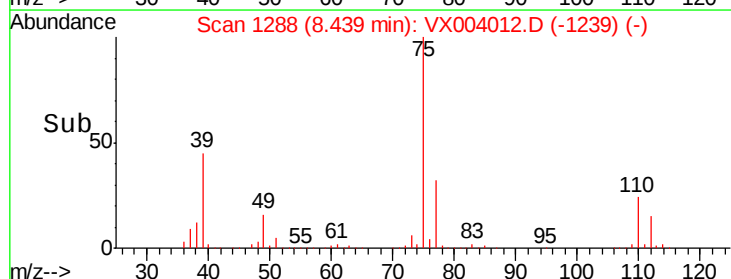
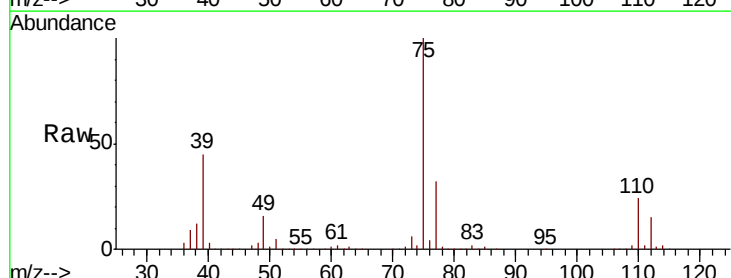
Manual Integrations
 APPROVED

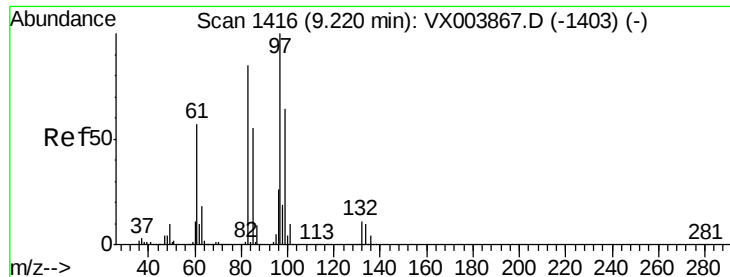
MMDadoda
 8/14/2018 12:56:22 PM



#54
 cis-1,3-Dichloropropene
 Concen: 52.72 ug/l
 RT: 8.44 min Scan# 1288
 Delta R.T. 0.00 min
 Lab File: VX004012.D
 Acq: 13 Aug 2018 20:33

Tgt Ion: 75 Resp: 336255
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.3 37.9
 39 44.5 36.2 54.2





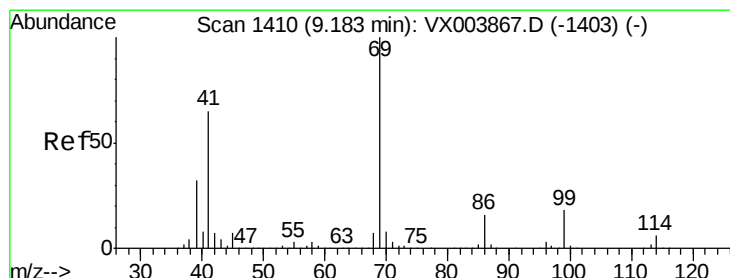
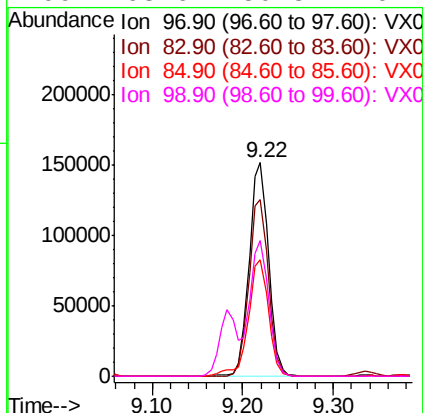
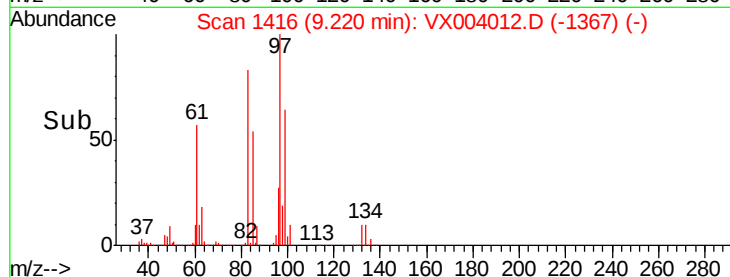
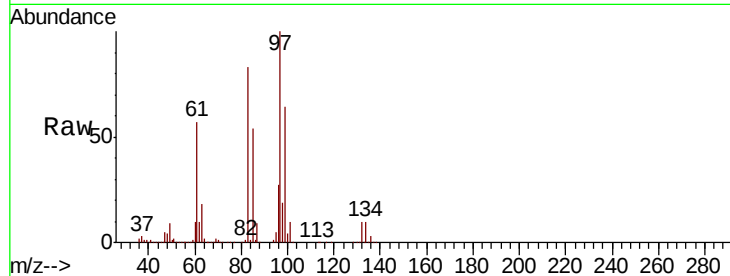
#55
 1,1,2-Trichloroethane
 Concen: 52.44 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX004012.D
 Acq: 13 Aug 2018 20:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		224337		
83	82.8	67.8	101.6		
85	54.3	44.2	66.2		
99	63.6	50.8	76.2		

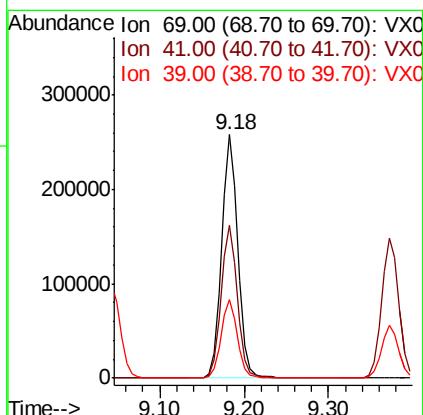
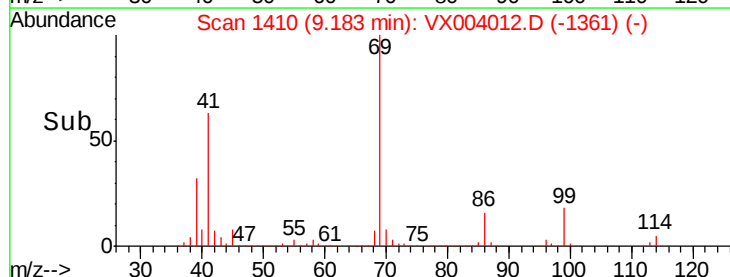
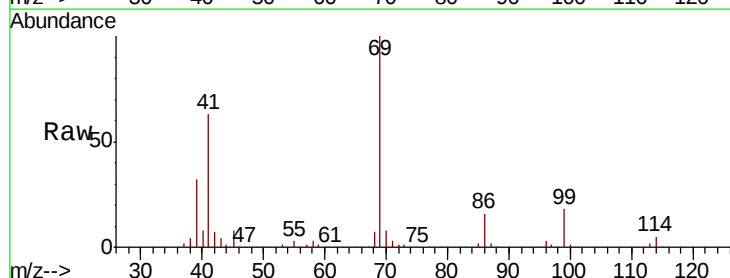
Manual Integrations
 APPROVED

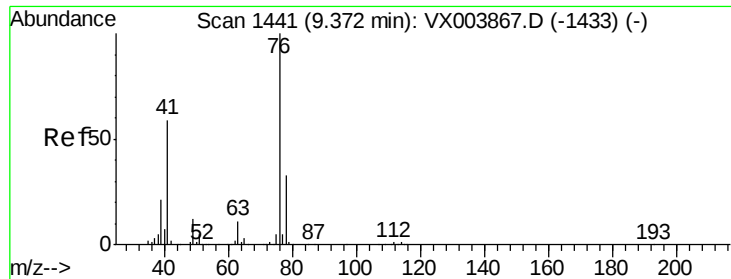
MMDadoda
 8/14/2018 12:56:22 PM



#56
 Ethyl methacrylate
 Concen: 55.37 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX004012.D
 Acq: 13 Aug 2018 20:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		343671		
41	62.9	50.6	76.0		
39	32.5	25.8	38.6		





#57

1,3-Dichloropropane

Concen: 52.71 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. 0.00 min

Lab File: VX004012.D

Acq: 13 Aug 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 377423

Ion Ratio Lower Upper

76 100

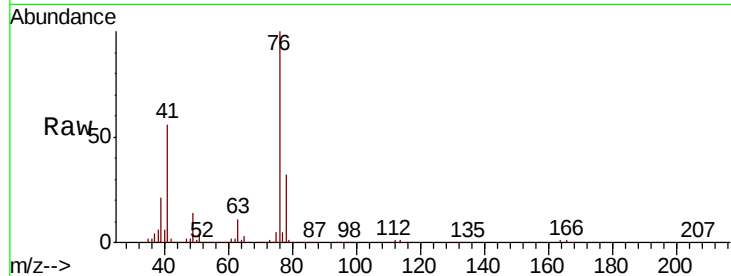
78 31.7 25.9 38.9

Manual Integrations

APPROVED

MMDadoda

8/14/2018 12:56:22 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

250000

200000

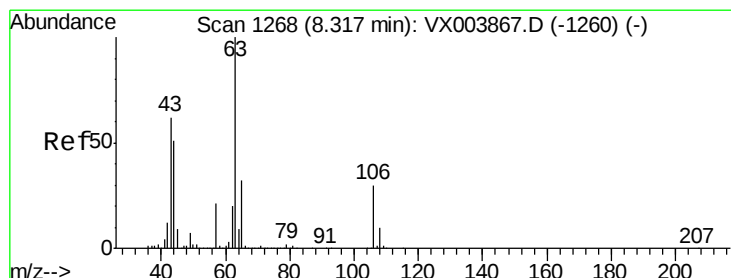
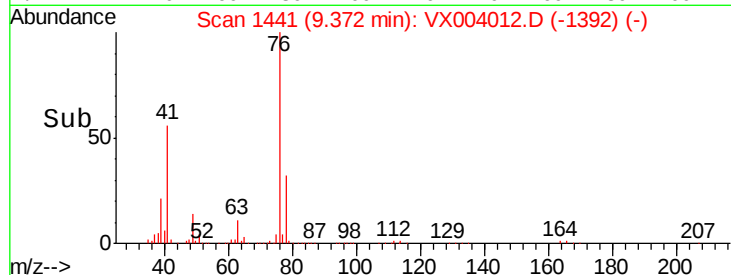
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 256.54 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VX004012.D

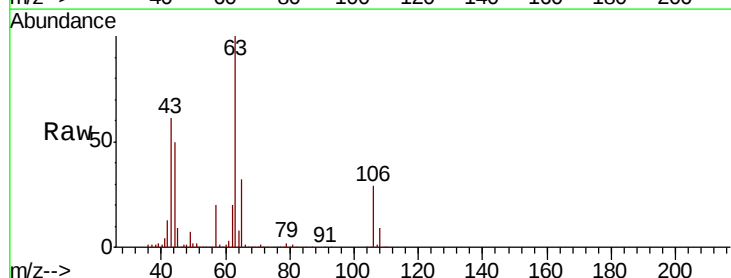
Acq: 13 Aug 2018 20:33

Tgt Ion: 63 Resp: 782980

Ion Ratio Lower Upper

63 100

106 29.8 23.8 35.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.32

600000

500000

400000

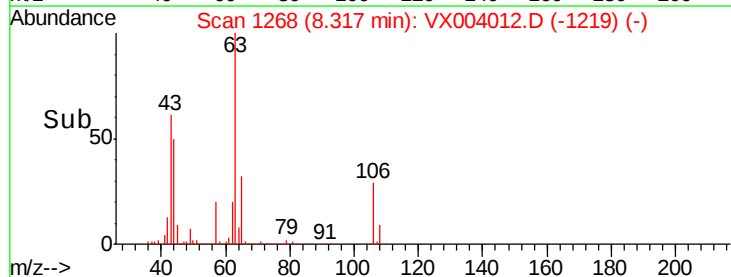
300000

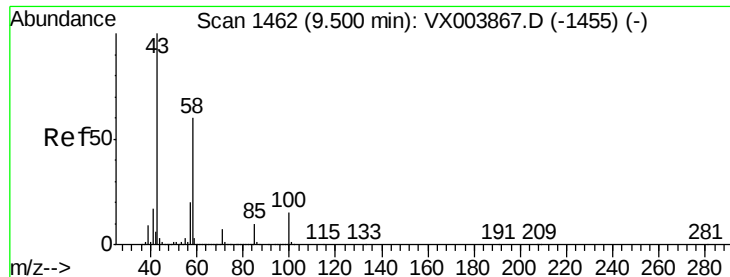
200000

100000

0

Time-->





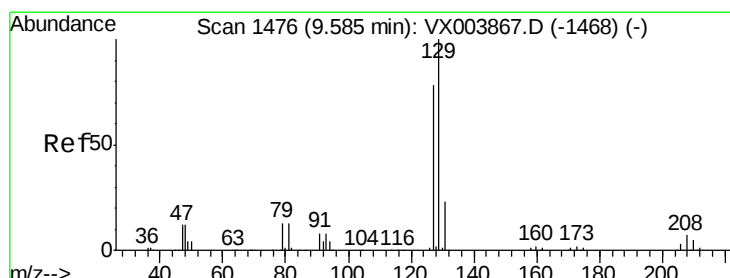
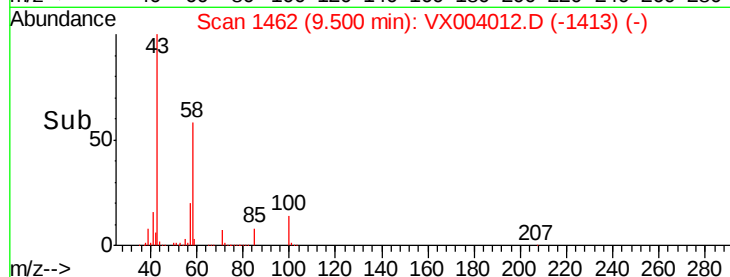
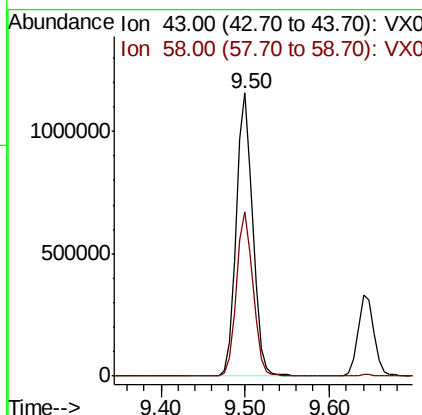
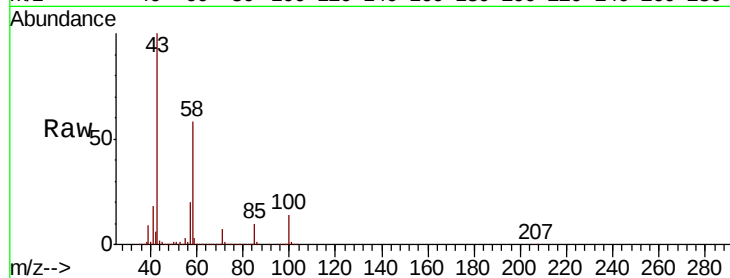
#59
2-Hexanone
Concen: 269.55 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX004012.D
Acq: 13 Aug 2018 20:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1525408
Ion Ratio Lower Upper
43 100
58 58.4 29.0 87.0

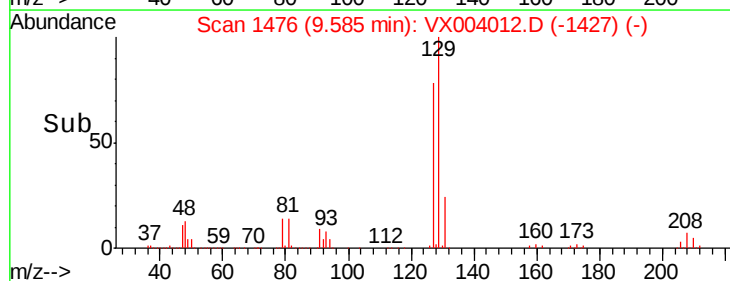
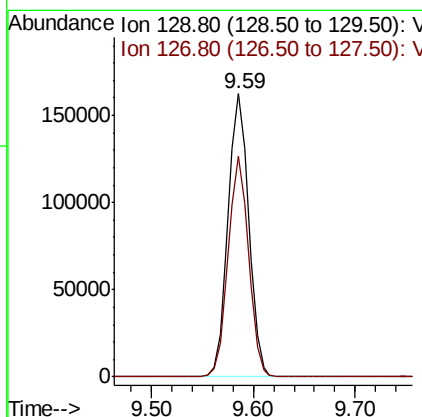
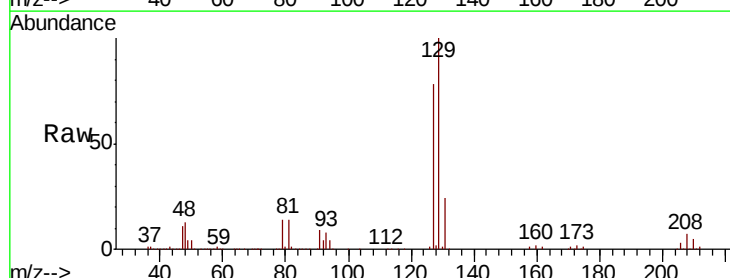
Manual Integrations
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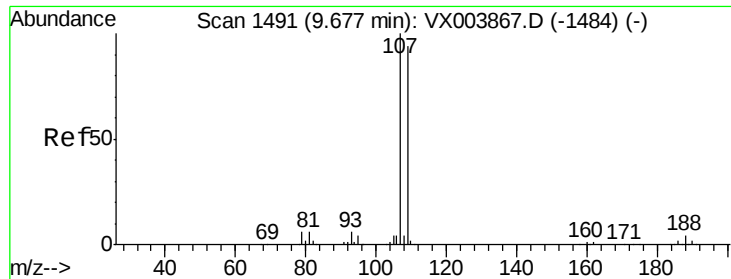
MMDadoda
8/14/2018 12:56:22 PM



#60
Dibromochloromethane
Concen: 57.11 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX004012.D
Acq: 13 Aug 2018 20:33

Tgt Ion: 129 Resp: 227782
Ion Ratio Lower Upper
129 100
127 76.5 38.8 116.3





#61

1,2-Dibromoethane

Concen: 54.25 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX004012.D

Acq: 13 Aug 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 232357

Ion Ratio Lower Upper

107 100

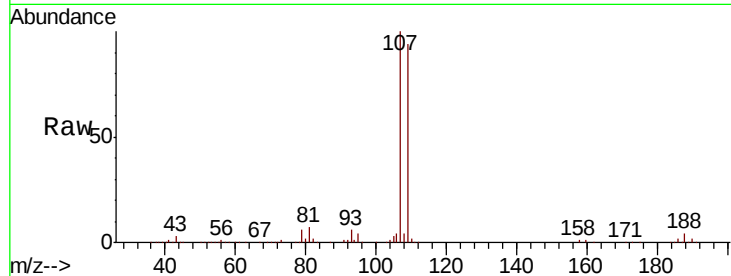
109 95.2 75.8 113.8

Manual Integrations

APPROVED

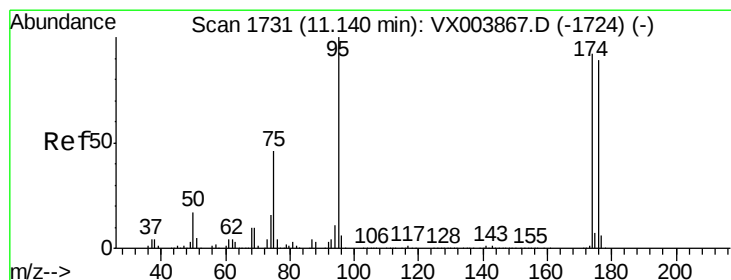
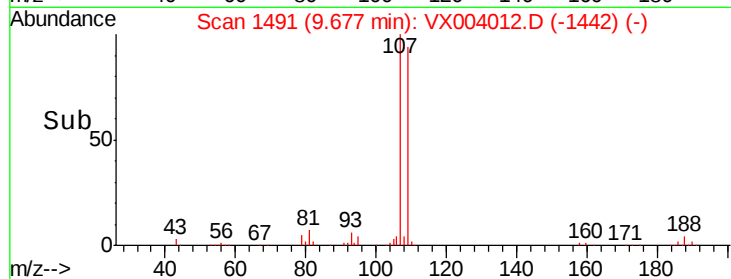
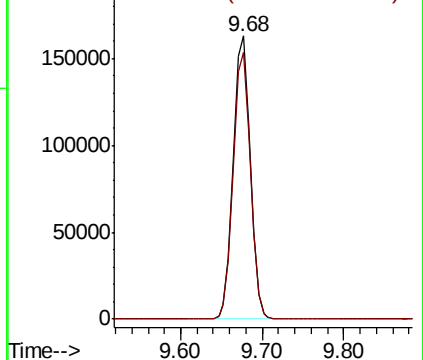
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 56.68 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX004012.D

Acq: 13 Aug 2018 20:33

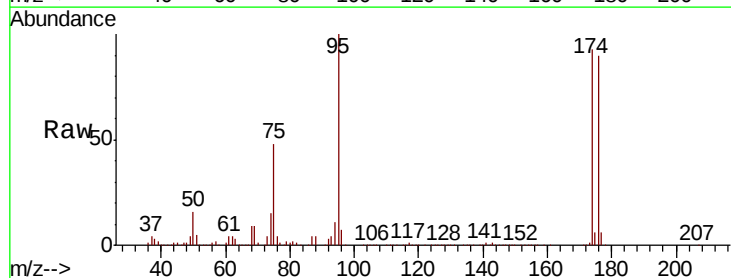
Tgt Ion: 95 Resp: 266180

Ion Ratio Lower Upper

95 100

174 90.8 0.0 182.8

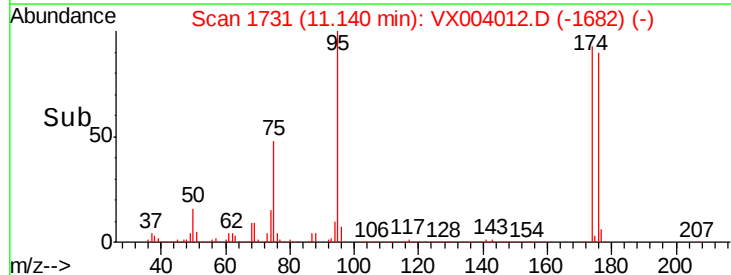
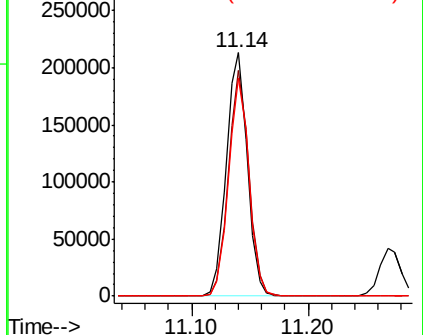
176 87.8 0.0 179.0

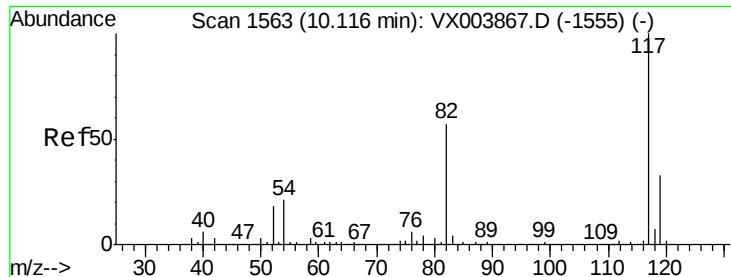


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





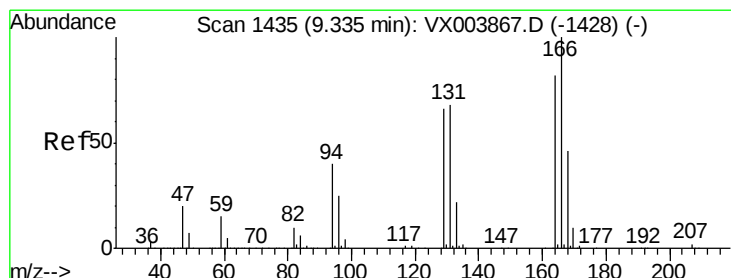
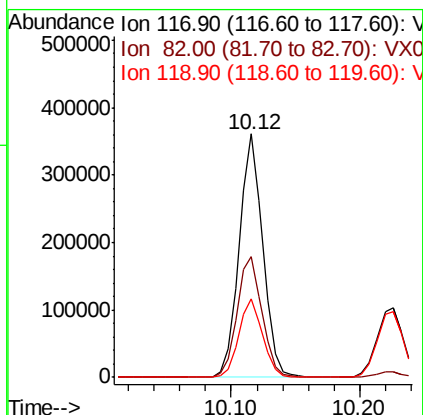
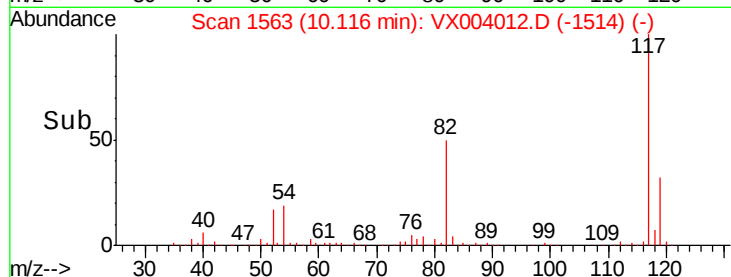
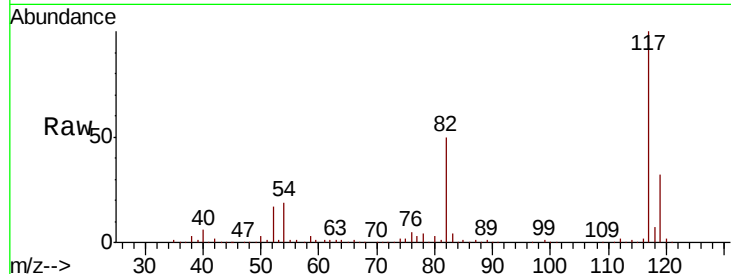
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX004012.D
Acq: 13 Aug 2018 20:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	49.7	45.4	68.0
119	32.4	26.6	40.0

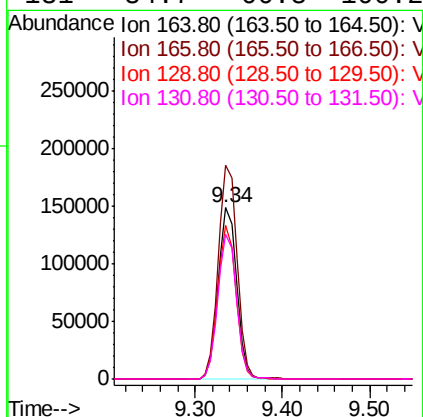
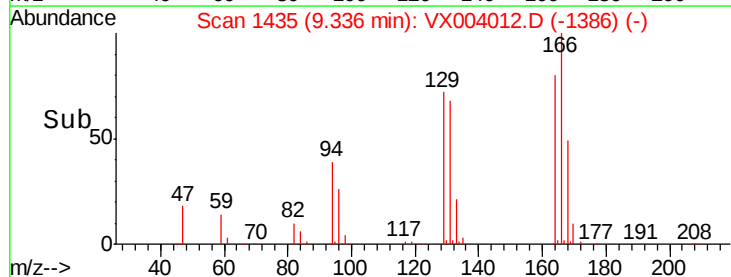
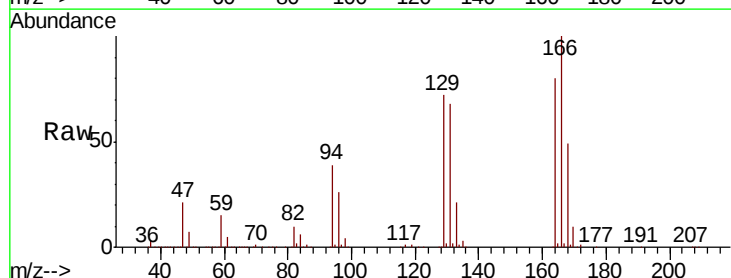
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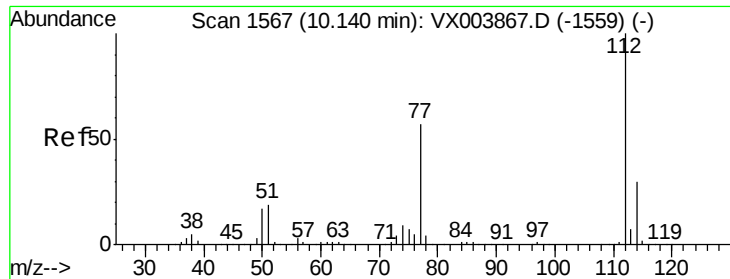
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#64
Tetrachloroethene
Concen: 48.21 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VX004012.D
Acq: 13 Aug 2018 20:33

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.8	98.0	147.0
129	89.6	64.3	96.5
131	84.7	66.8	100.2





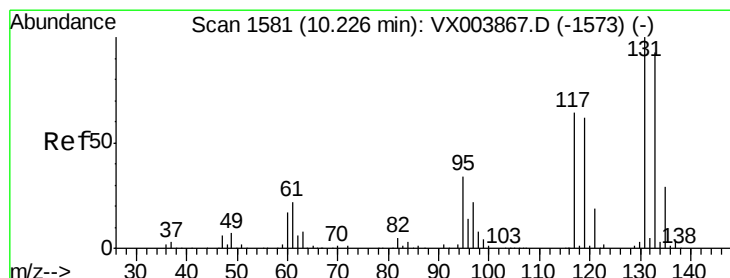
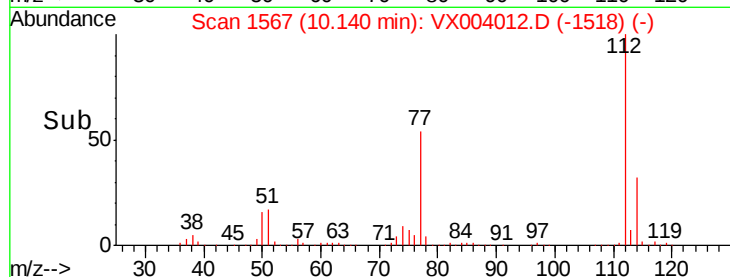
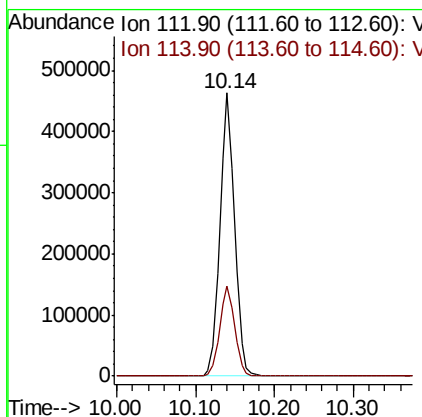
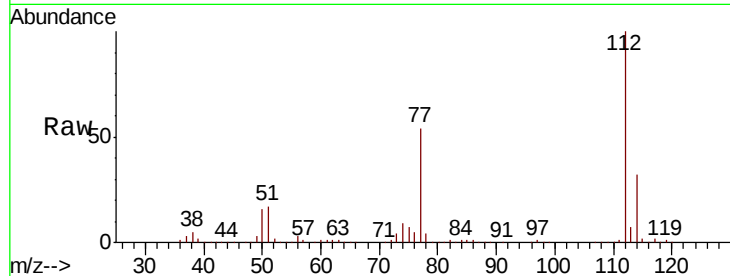
#65
Chlorobenzene
Concen: 50.25 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX004012.D
Acq: 13 Aug 2018 20:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 598301
Ion Ratio Lower Upper
112 100
114 32.0 23.6 35.4

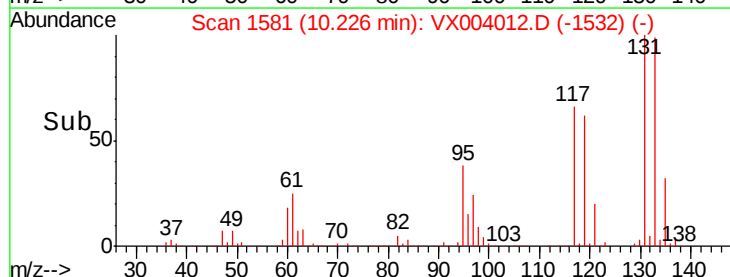
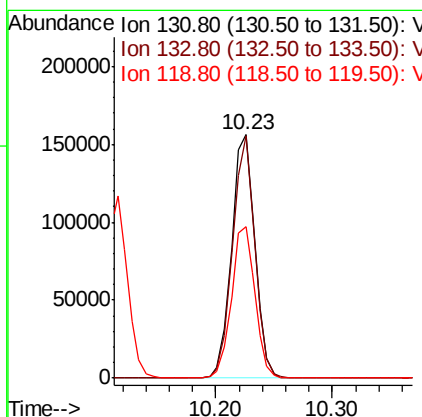
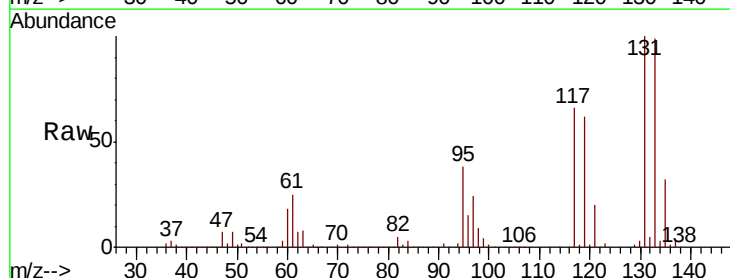
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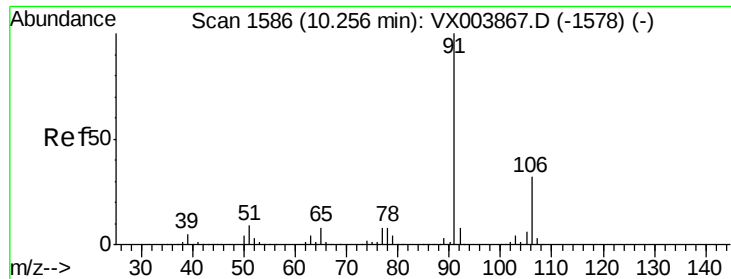
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.12 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX004012.D
Acq: 13 Aug 2018 20:33

Tgt Ion:131 Resp: 217426
Ion Ratio Lower Upper
131 100
133 95.3 47.3 141.8
119 62.8 31.6 94.8





#67

Ethyl Benzene

Concen: 51.95 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX004012.D

Acq: 13 Aug 2018 20:33

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050EC

Tot Ion: 91 Resp: 1012515

Ion Ratio Lower Upper

91 100

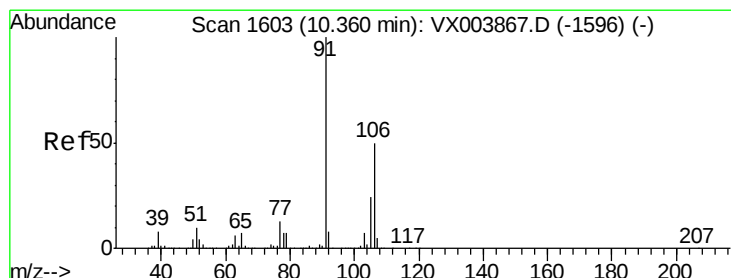
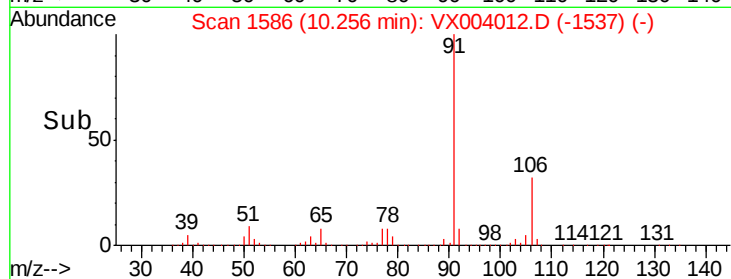
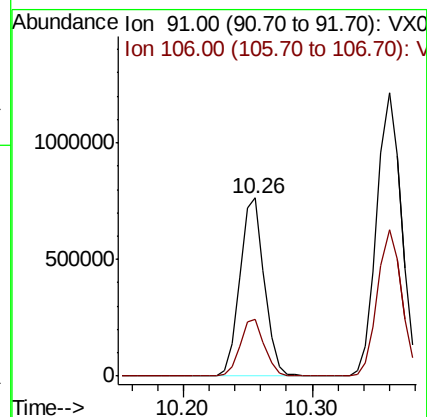
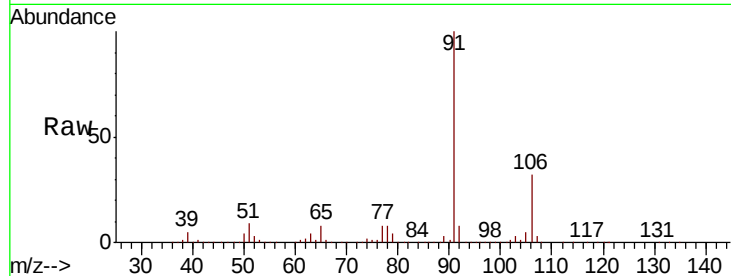
106 31.8 25.9 38.9

Manual Integrations

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#68

m/p-Xylenes

Concen: 107.06 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VX004012.D

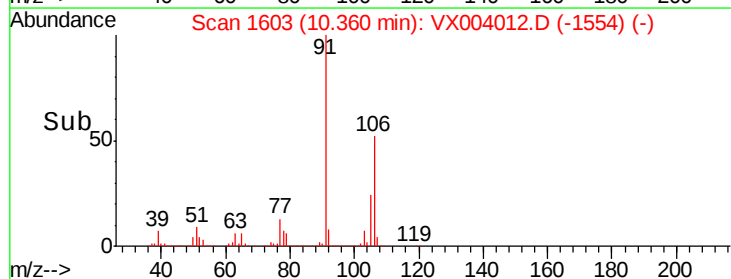
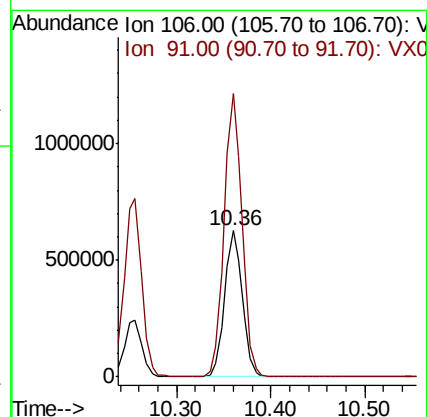
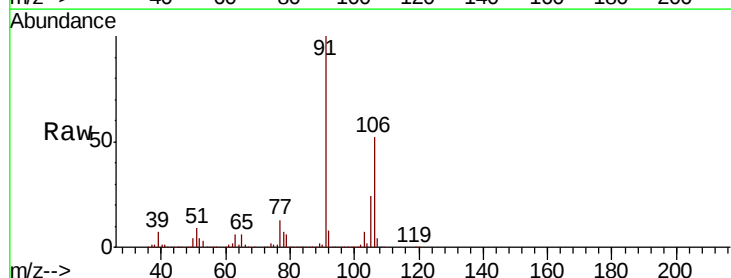
Acq: 13 Aug 2018 20:33

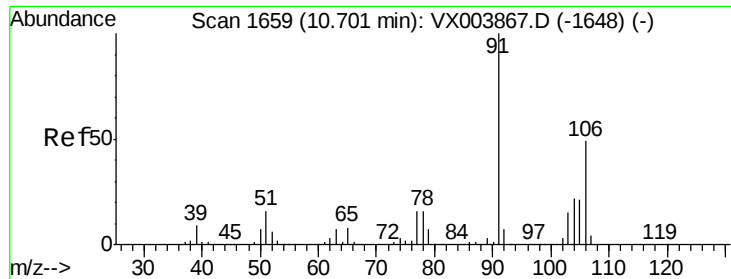
Tgt Ion: 106 Resp: 815316

Ion Ratio Lower Upper

106 100

91 195.9 162.3 243.5





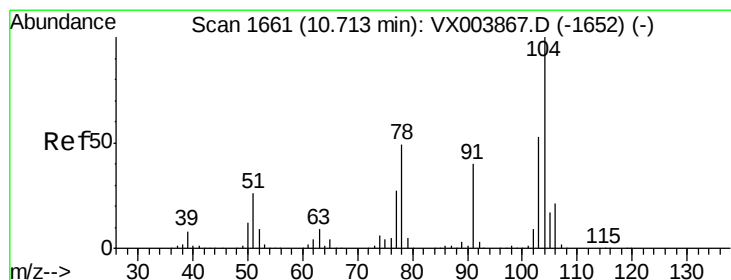
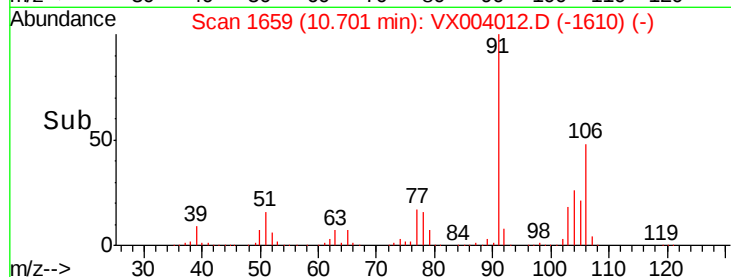
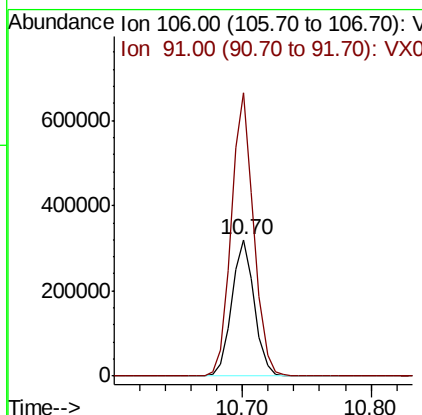
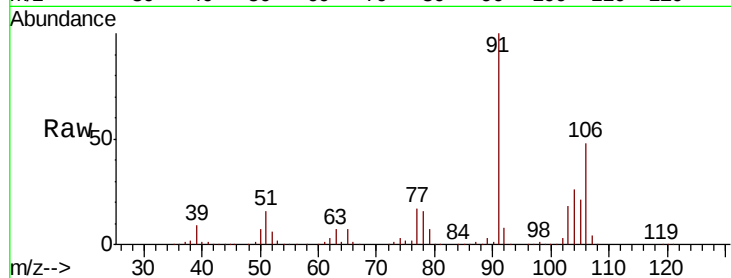
#69
o-Xylene
Concen: 54.45 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX004012.D
Acq: 13 Aug 2018 20:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 391472
Ion Ratio Lower Upper
106 100
91 206.2 101.9 305.7

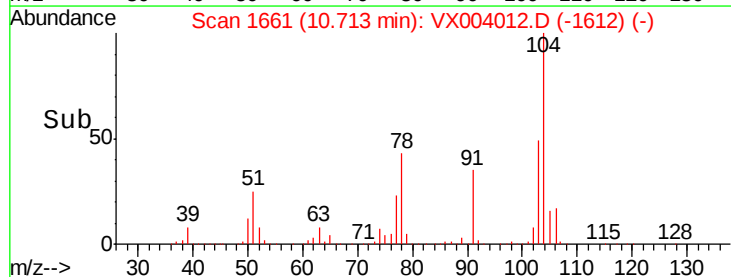
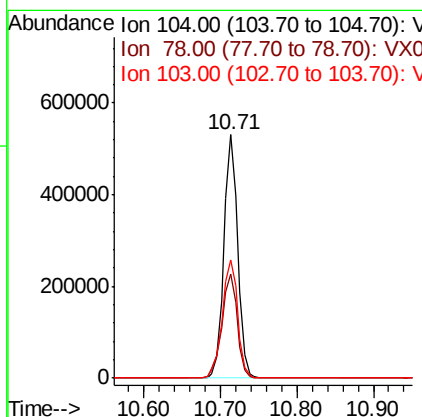
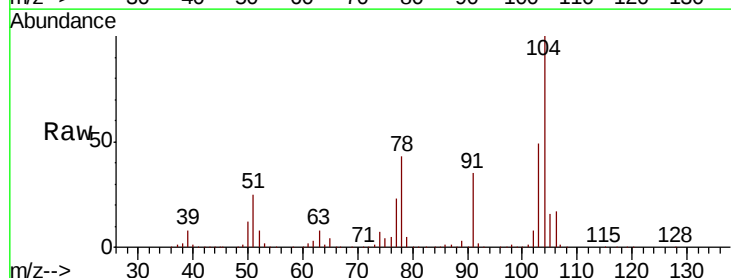
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#70
Styrene
Concen: 56.34 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX004012.D
Acq: 13 Aug 2018 20:33

Tgt Ion:104 Resp: 663107
Ion Ratio Lower Upper
104 100
78 47.3 39.8 59.6
103 54.2 44.3 66.5





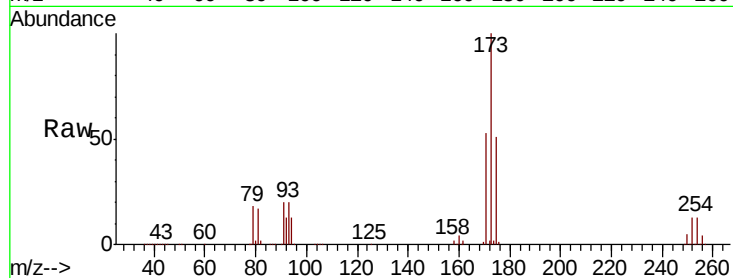
#71
Bromoform
Concen: 57.91 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX004012.D
Acq: 13 Aug 2018 20:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

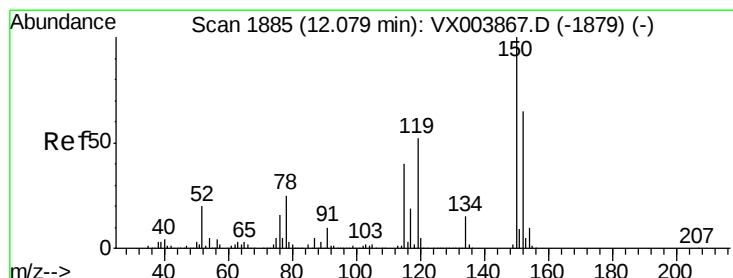
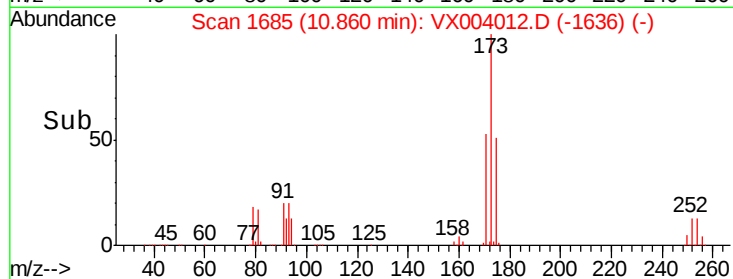
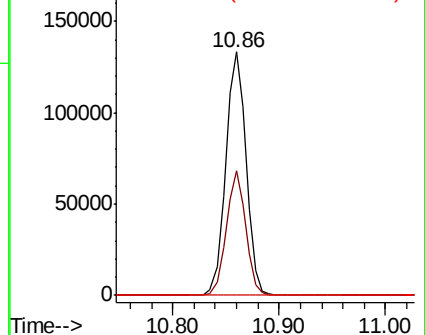
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.9	74.7
254	0.2	0.2	0.2

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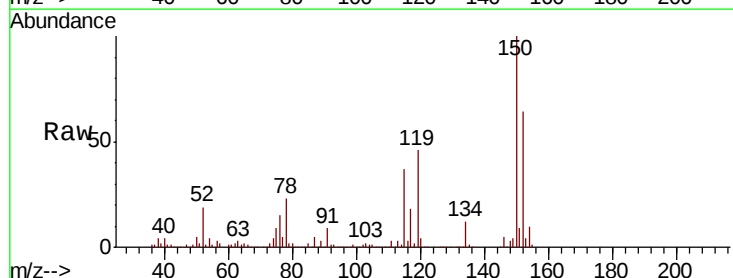


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

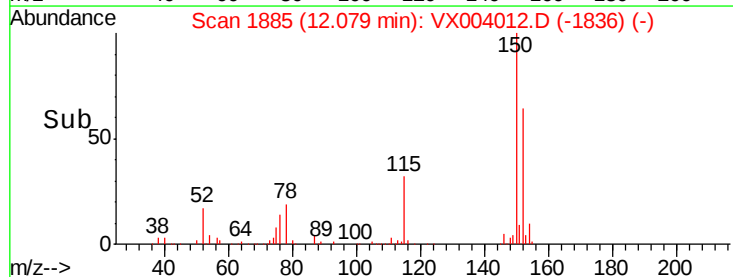
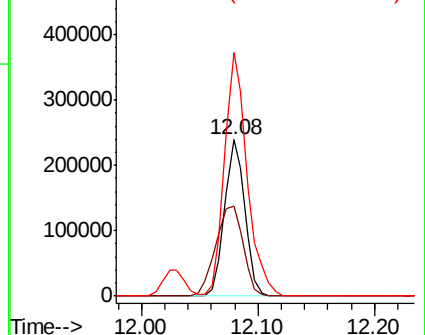


#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX004012.D
Acq: 13 Aug 2018 20:33

Tgt Ion	Ratio	Lower	Upper
152	100		
115	77.5	39.1	117.3
150	174.5	0.0	349.2



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: 49.29 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. 0.00 min

Lab File: VX004012.D

Acq: 13 Aug 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1042638

Ion Ratio Lower Upper

105 100

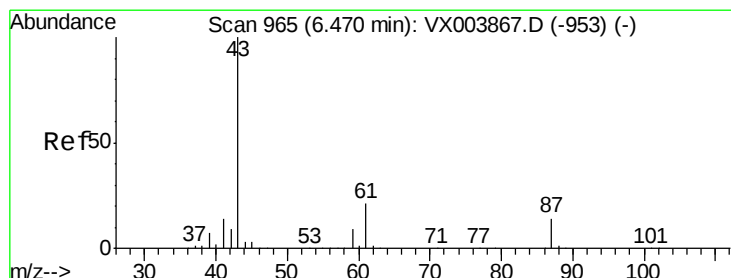
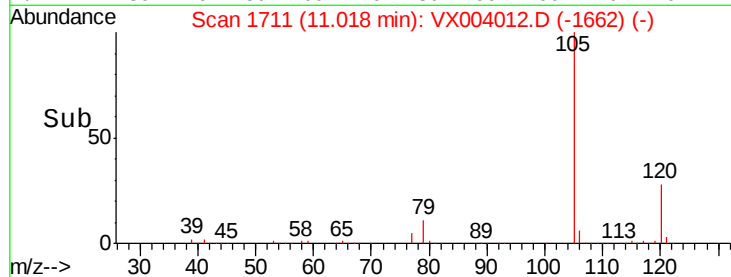
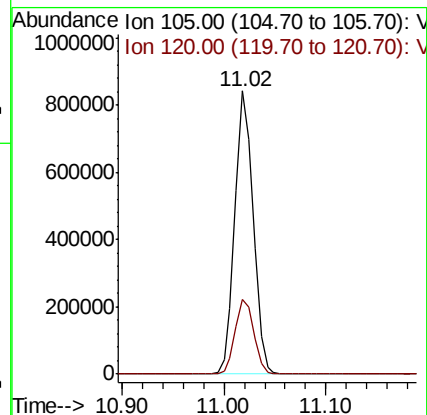
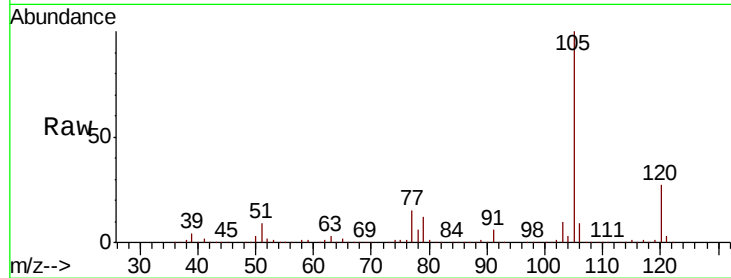
120 27.2 12.6 37.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 43.78 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.01 min

Lab File: VX004012.D

Acq: 13 Aug 2018 20:33

Tgt Ion: 43 Resp: 481621

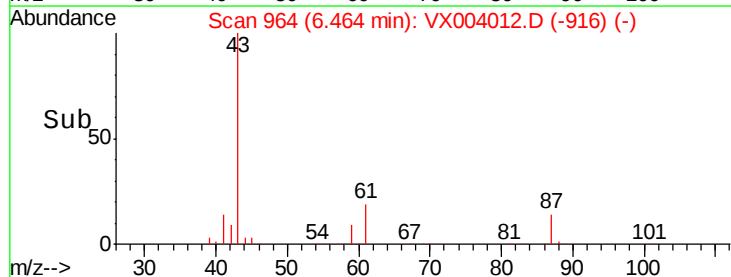
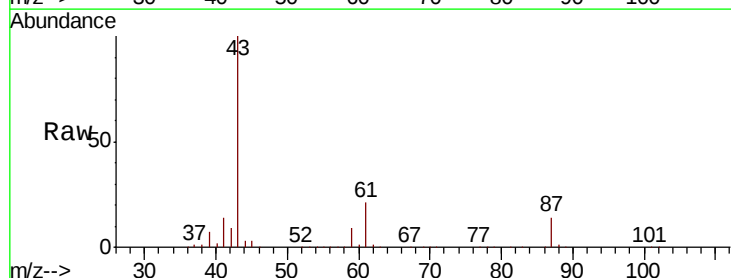
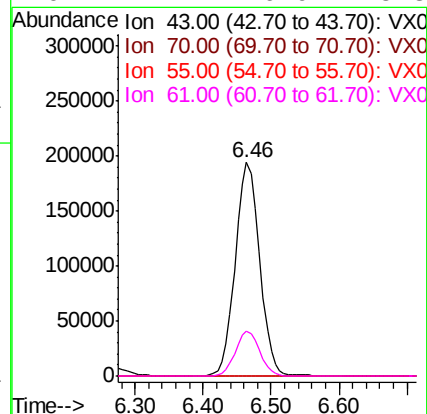
Ion Ratio Lower Upper

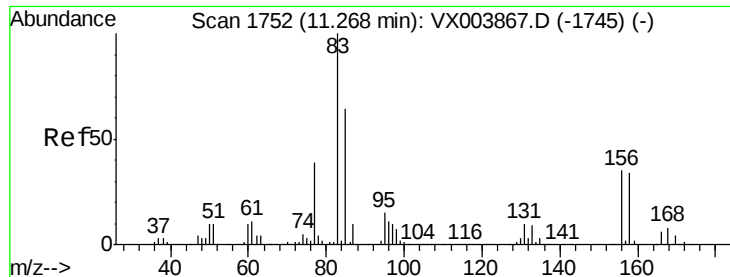
43 100

70 0.1 0.0 0.0#

55 0.2 0.1 0.1#

61 21.2 16.9 25.3





#75

1,1,2,2-Tetrachloroethane

Concen: 48.31 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. 0.00 min

Lab File: VX004012.D

Acq: 13 Aug 2018 20:33

Instrument :

MSVOA_X

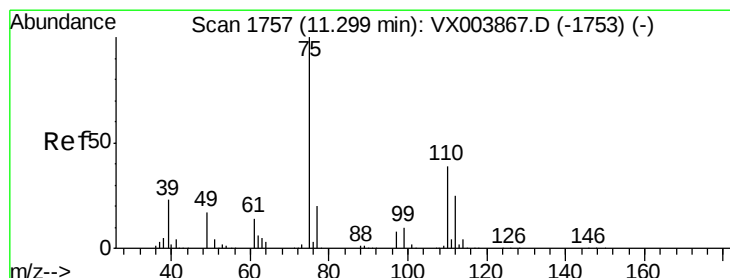
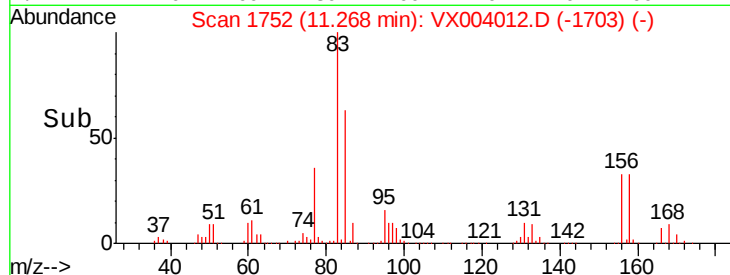
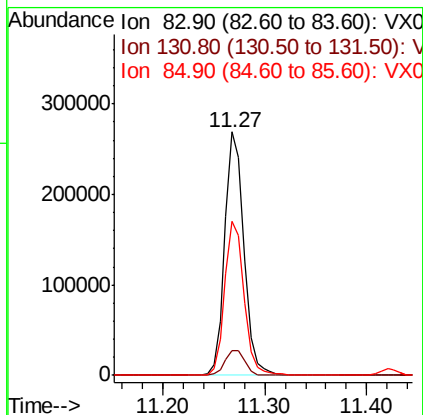
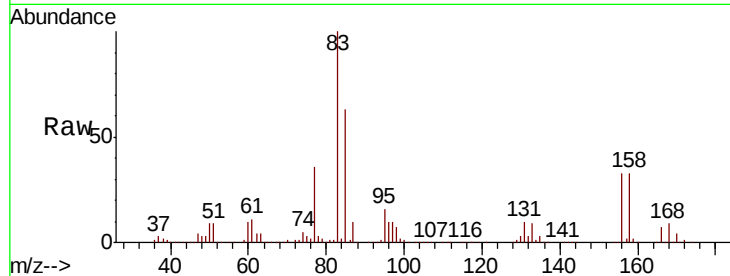
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	350305
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.2	15.6
85	64.0	32.2	96.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 49.02 ug/l m

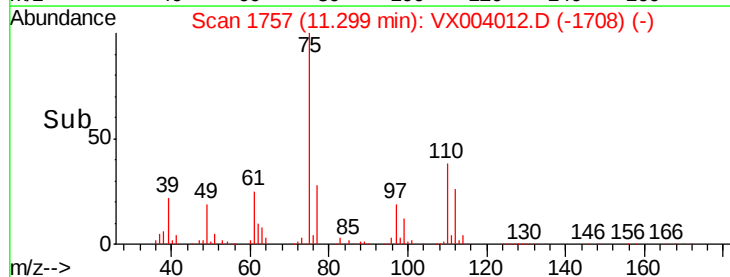
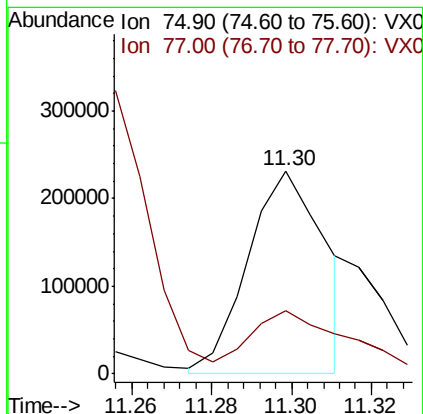
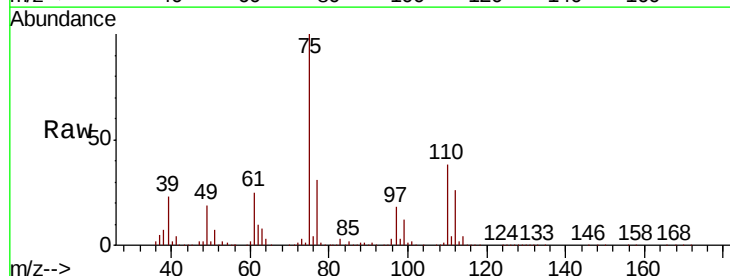
RT: 11.30 min Scan# 1757

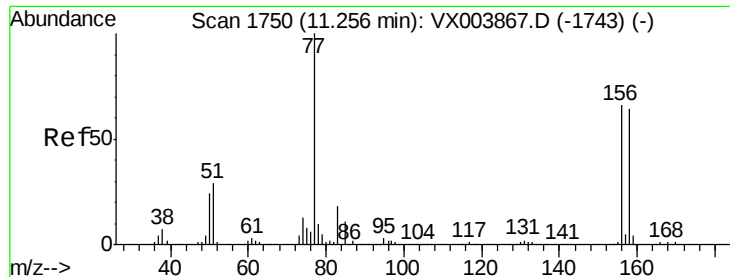
Delta R.T. 0.00 min

Lab File: VX004012.D

Acq: 13 Aug 2018 20:33

Tgt Ion:	75	Resp:	309609
Ion Ratio	Lower	Upper	
75	100		
77	40.3	20.8	62.5





#77

Bromobenzene

Concen: 49.62 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX004012.D

Acq: 13 Aug 2018 20:33

Instrument :

MSVOA_X

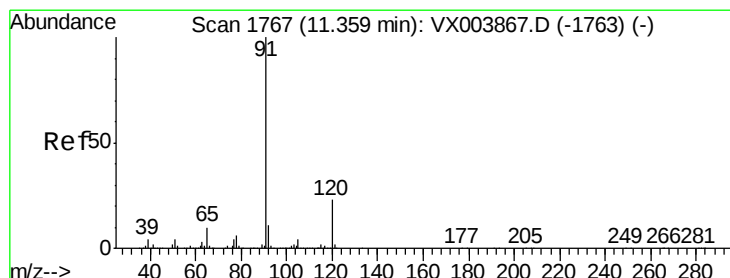
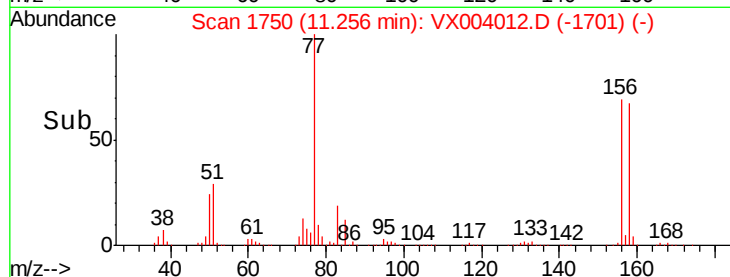
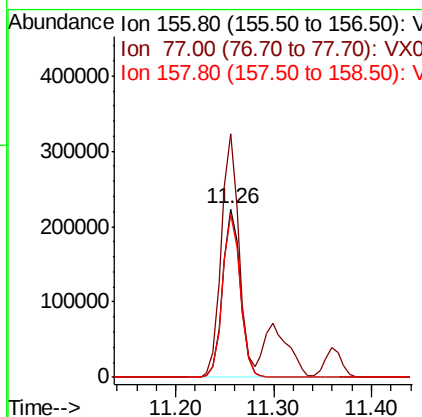
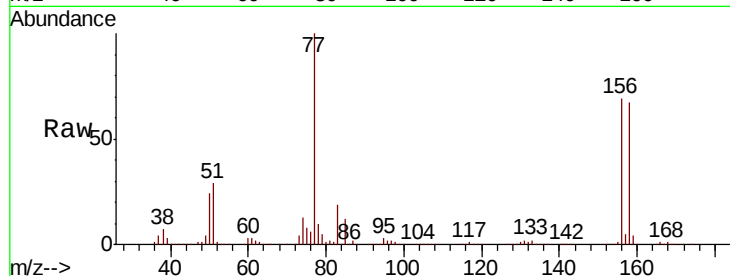
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	280012
Ion Ratio	Lower	Upper	
156	100		
77	144.0	74.1	222.2
158	97.2	48.6	145.9

Manual Integrations
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#78

n-propylbenzene

Concen: 50.48 ug/l

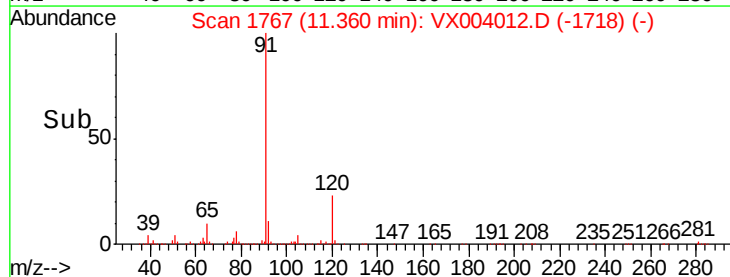
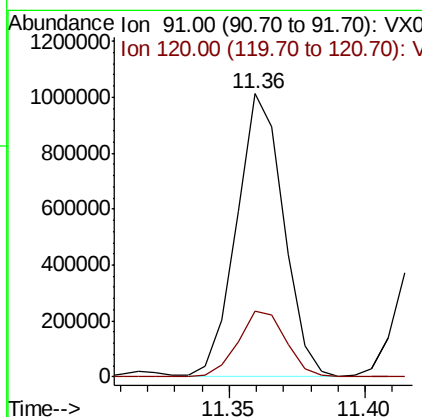
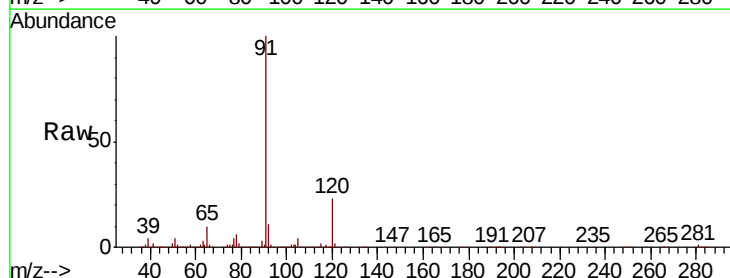
RT: 11.36 min Scan# 1767

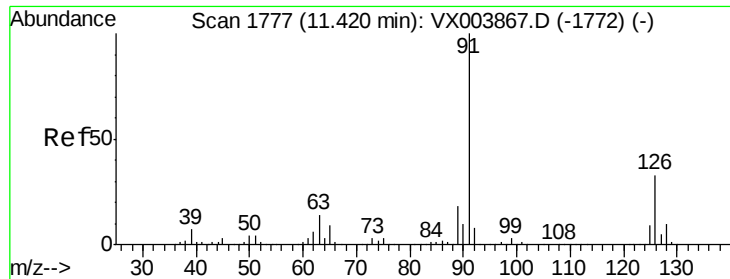
Delta R.T. 0.00 min

Lab File: VX004012.D

Acq: 13 Aug 2018 20:33

Tgt Ion:	91	Resp:	1199198
Ion Ratio	Lower	Upper	
91	100		
120	24.0	11.9	35.5





#79

2-Chlorotoluene

Concen: 48.67 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. 0.00 min

Lab File: VX004012.D

Acq: 13 Aug 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 705008

Ion Ratio Lower Upper

91 100

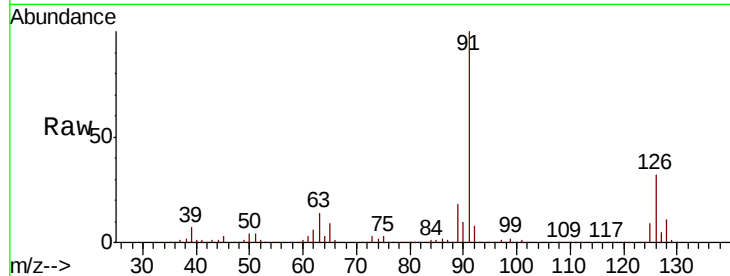
126 34.5 17.4 52.3

Manual Integrations

APPROVED

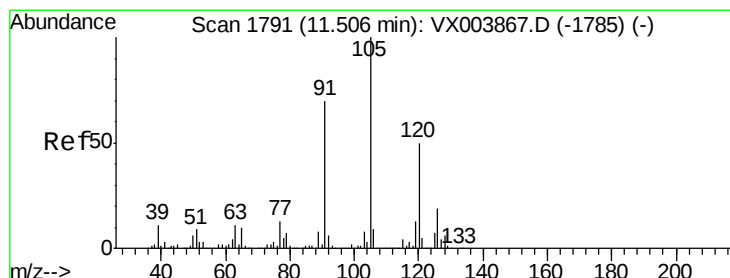
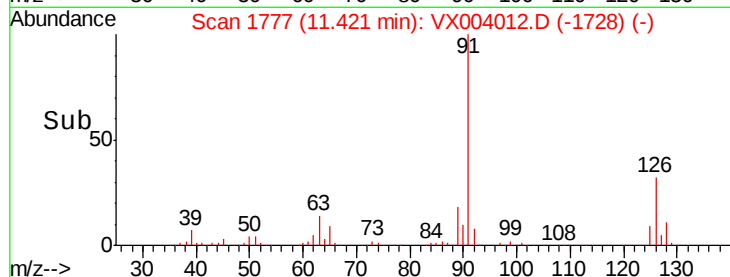
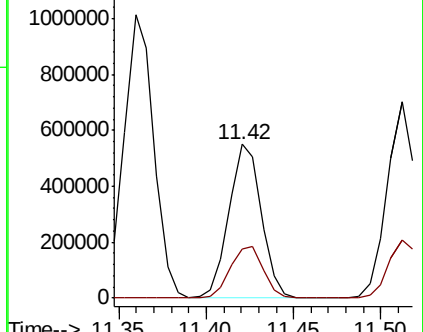
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VX003867.D (-1772) (-)

Ion 125.90 (125.60 to 126.60): VX003867.D (-1772) (-)



#80

1,3,5-Trimethylbenzene

Concen: 50.32 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX004012.D

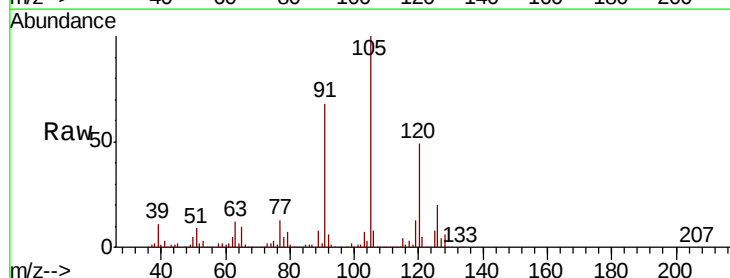
Acq: 13 Aug 2018 20:33

Tgt Ion: 105 Resp: 868108

Ion Ratio Lower Upper

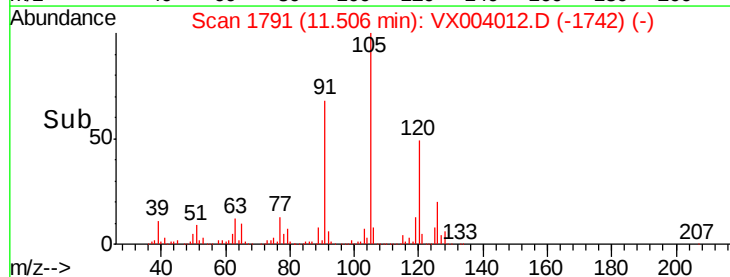
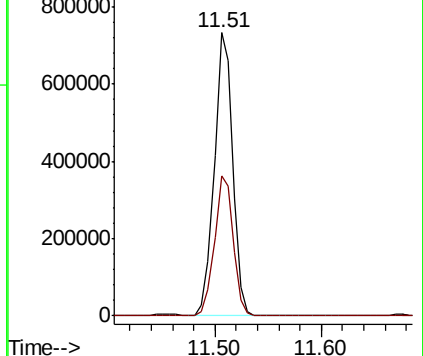
105 100

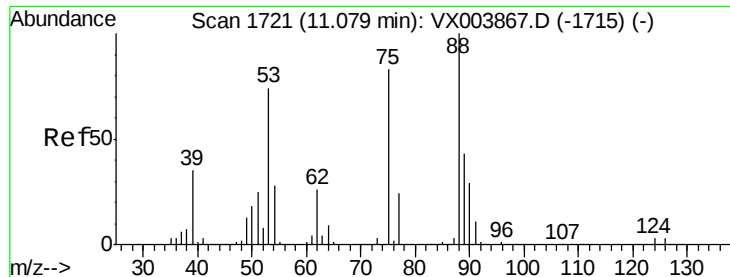
120 50.4 25.4 76.2



Abundance Ion 105.00 (104.70 to 105.70): VX003867.D (-1785) (-)

Ion 120.00 (119.70 to 120.70): VX003867.D (-1785) (-)





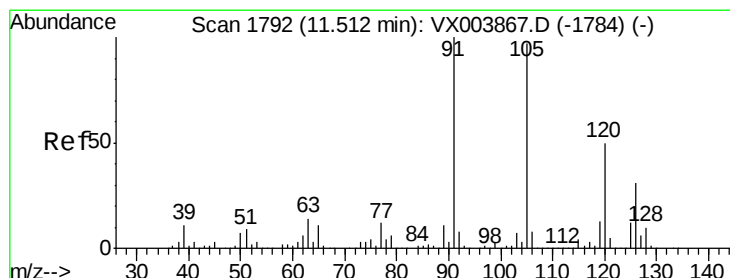
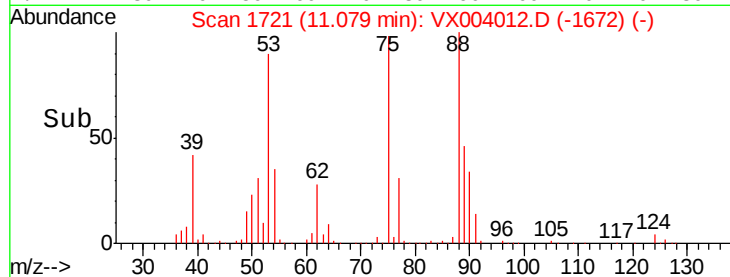
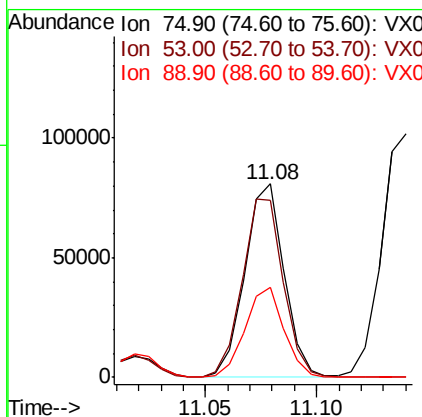
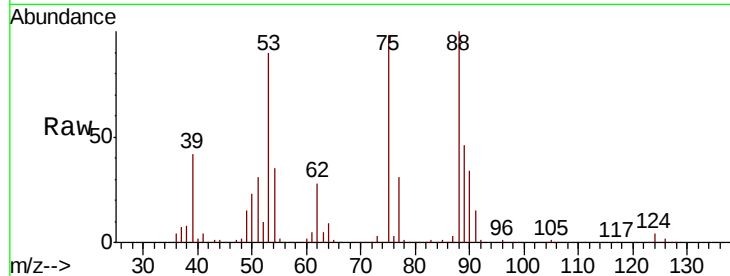
#81
trans-1,4-Dichloro-2-butene
Concen: 47.64 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX004012.D
Acq: 13 Aug 2018 20:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	97.3	80.3	120.5
89	46.3	37.8	56.8

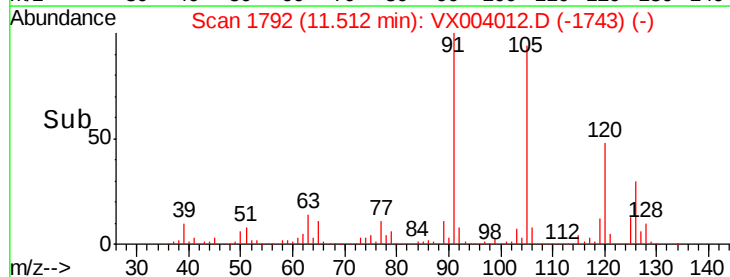
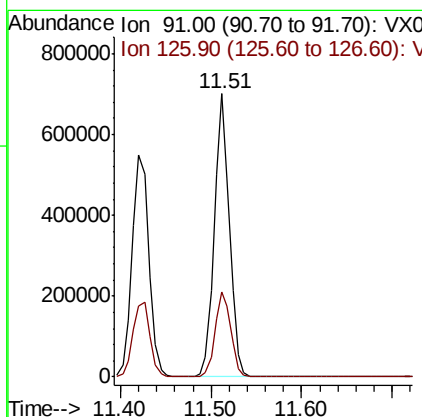
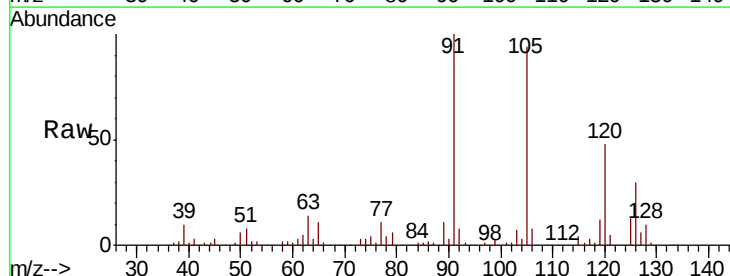
Manual Integrations
APPROVED

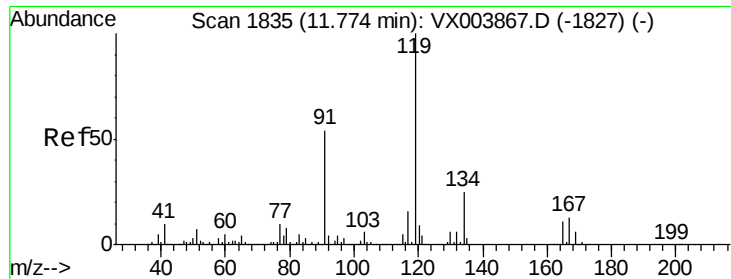
MMDadoda
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#82
4-Chlorotoluene
Concen: 48.56 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX004012.D
Acq: 13 Aug 2018 20:33

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.6	46.7





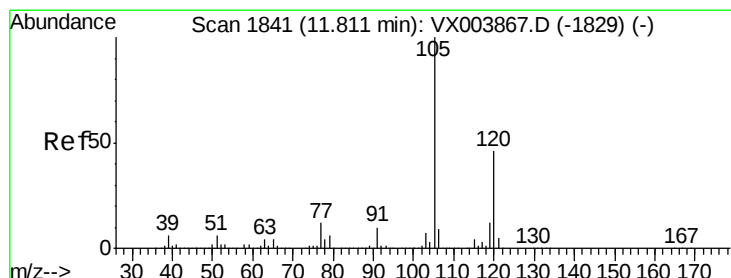
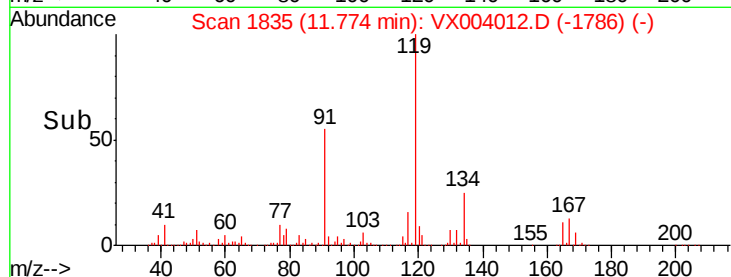
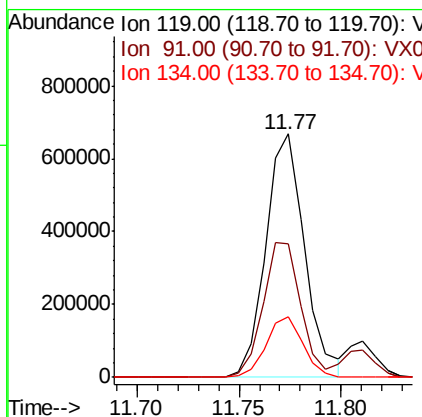
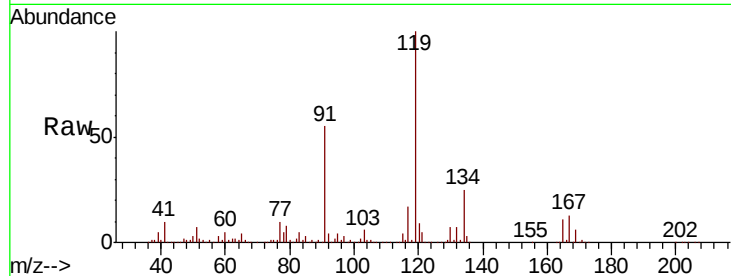
#83
tert-Butylbenzene
Concen: 52.23 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX004012.D
Acq: 13 Aug 2018 20:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	886369		
91	53.9	26.9	80.7	
134	23.7	12.0	36.0	

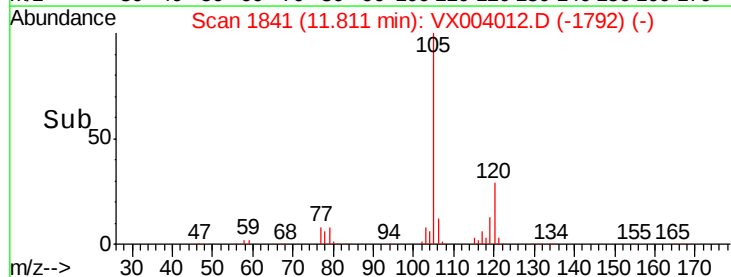
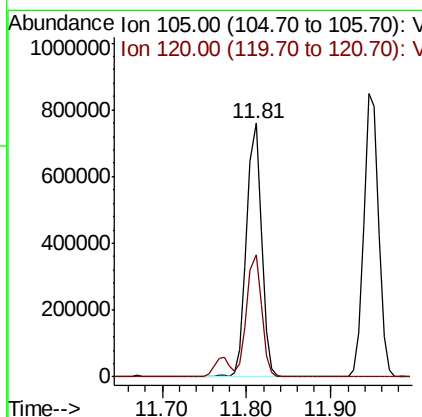
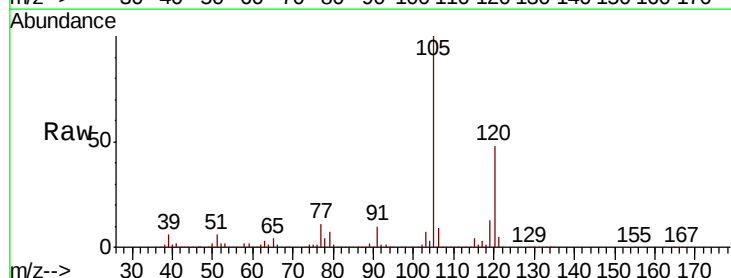
Manual Integrations
APPROVED

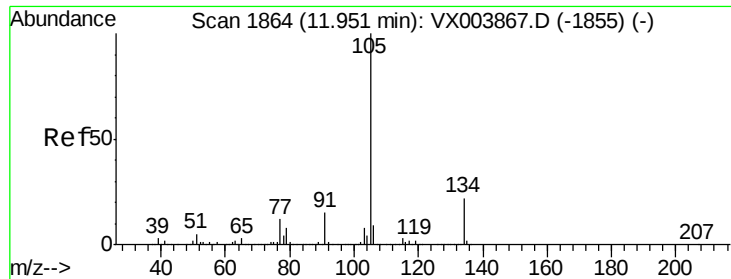
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 51.62 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VX004012.D
Acq: 13 Aug 2018 20:33

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	895435		
120	47.7	23.1	69.2	





#85

sec-Butylbenzene

Concen: 51.86 ug/l

RT: 11.94 min Scan# 1863

Delta R.T. -0.01 min

Lab File: VX004012.D

Acq: 13 Aug 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1038566

Ion Ratio Lower Upper

105 100

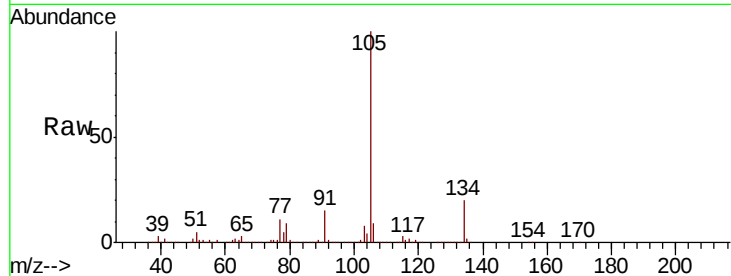
134 21.1 10.3 30.9

Manual Integrations

APPROVED

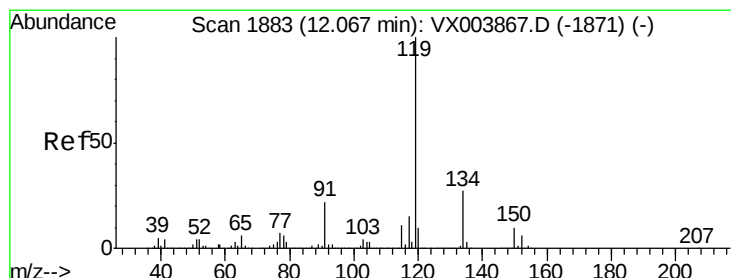
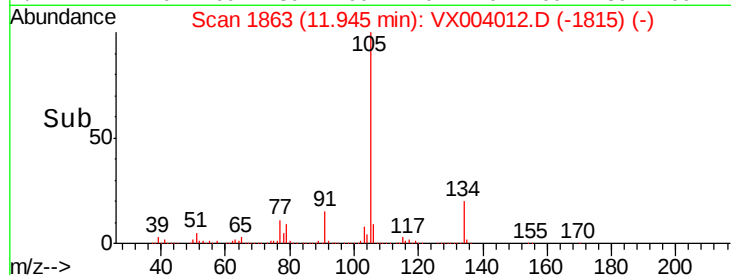
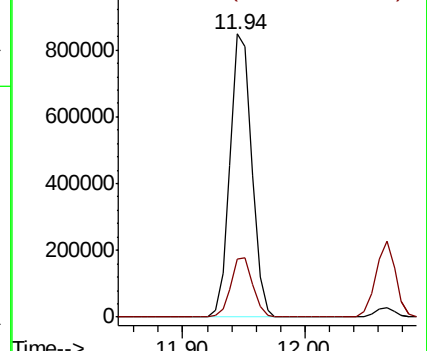
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.27 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX004012.D

Acq: 13 Aug 2018 20:33

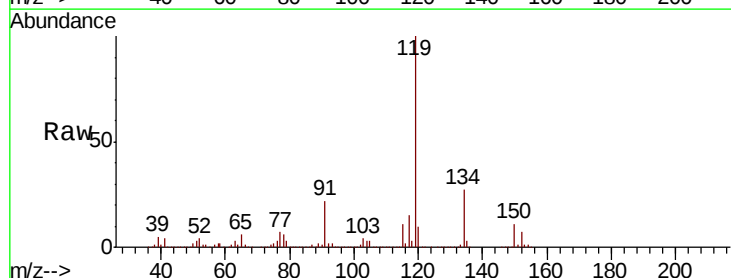
Tgt Ion:119 Resp: 939314

Ion Ratio Lower Upper

119 100

134 27.1 13.3 39.8

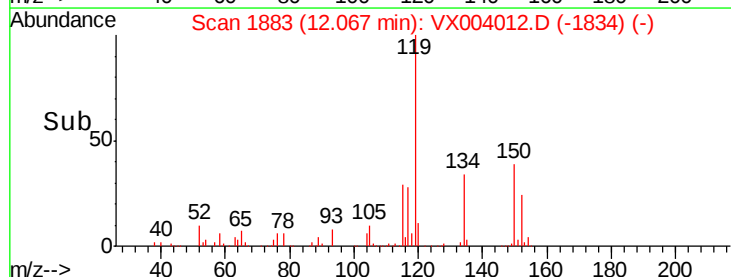
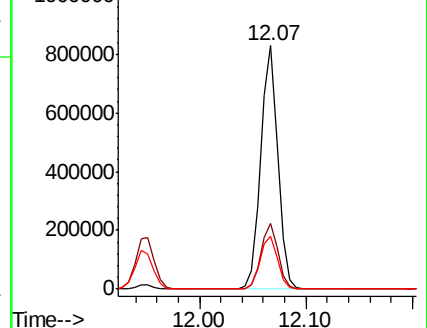
91 22.3 10.9 32.7

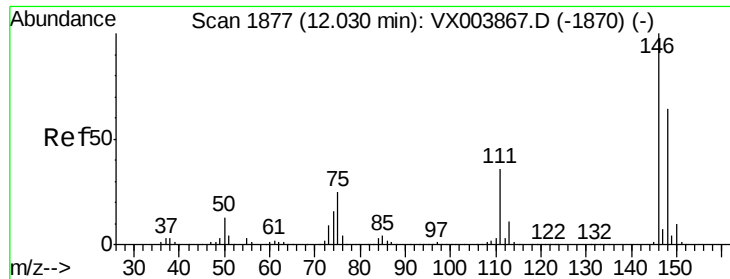


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 49.57 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX004012.D

Acq: 13 Aug 2018 20:33

Instrument :

MSVOA_X

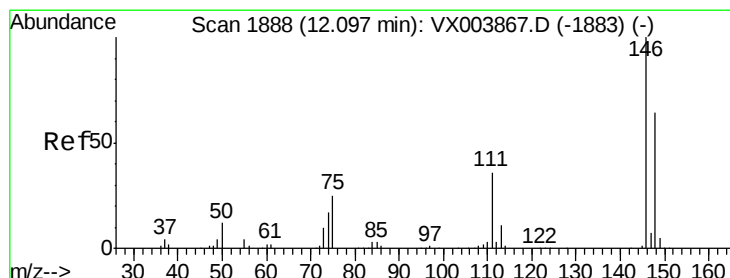
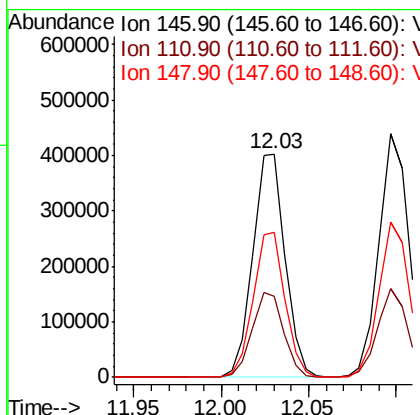
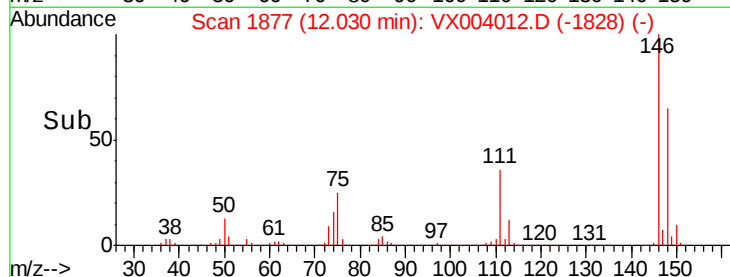
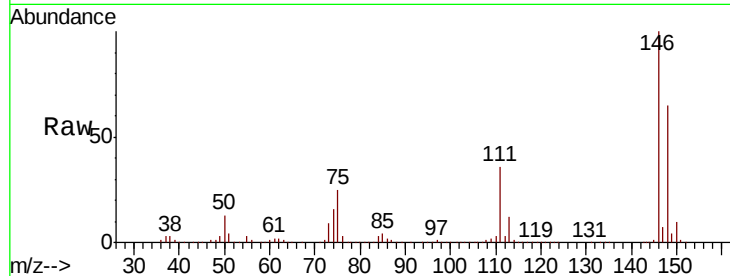
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	517112
Ion Ratio	Lower	Upper	
146	100		
111	37.3	18.8	56.4
148	64.0	31.9	95.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 48.52 ug/l

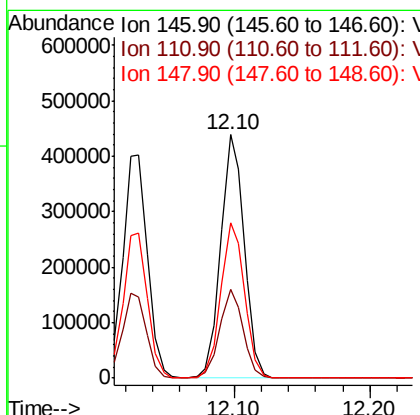
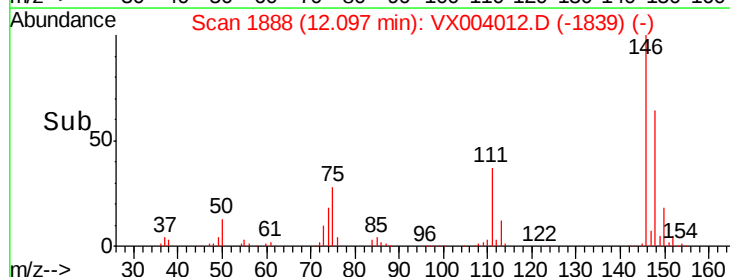
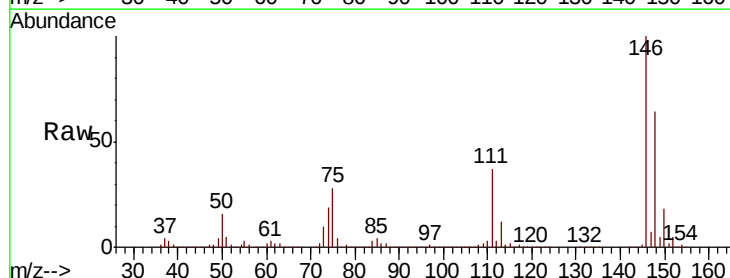
RT: 12.10 min Scan# 1888

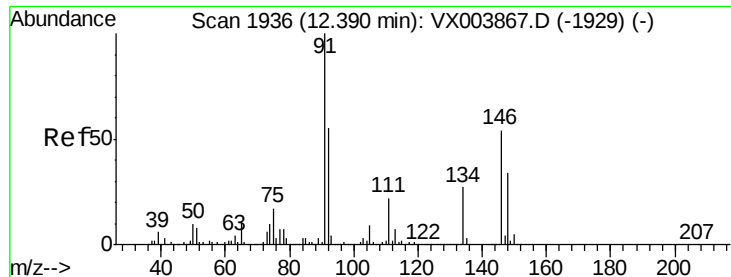
Delta R.T. 0.00 min

Lab File: VX004012.D

Acq: 13 Aug 2018 20:33

Tgt Ion:	146	Resp:	525076
Ion Ratio	Lower	Upper	
146	100		
111	36.5	18.4	55.0
148	64.3	32.3	96.8





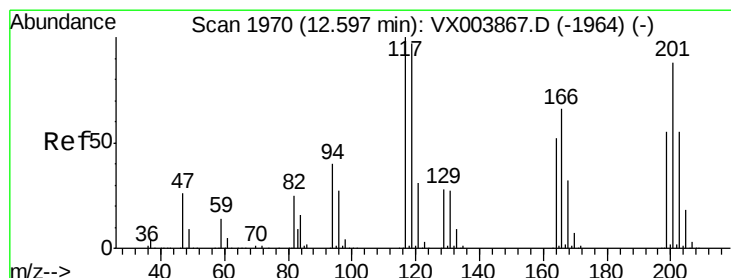
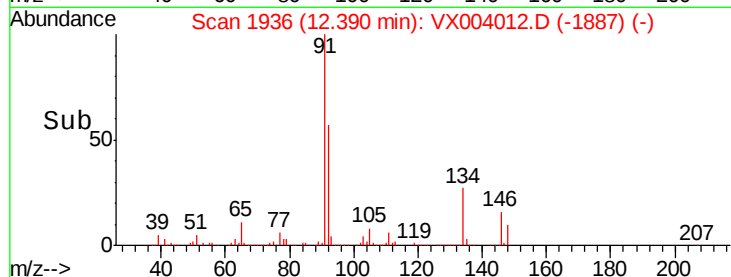
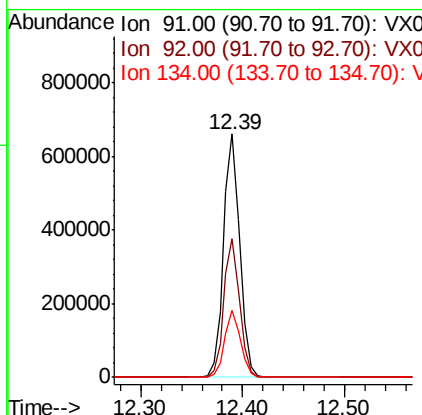
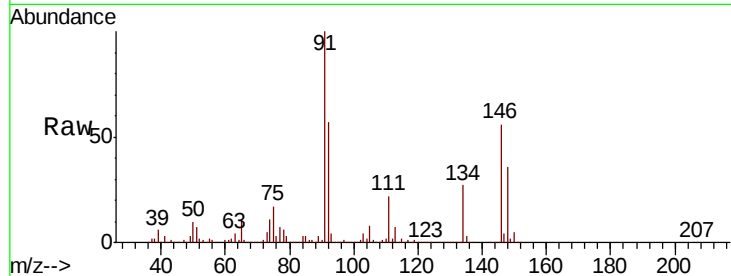
#89
n-Butylbenzene
Concen: 46.73 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX004012.D
Acq: 13 Aug 2018 20:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.6	27.1	81.3
134	26.9	13.6	40.7

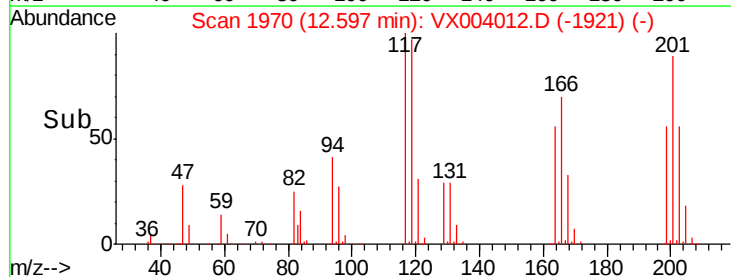
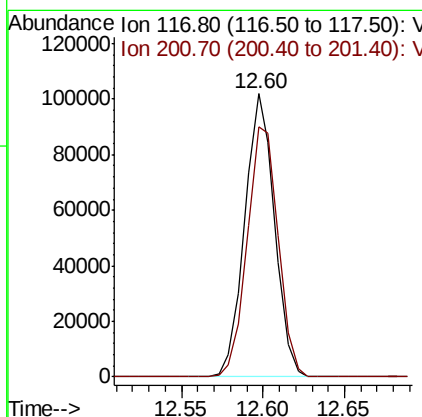
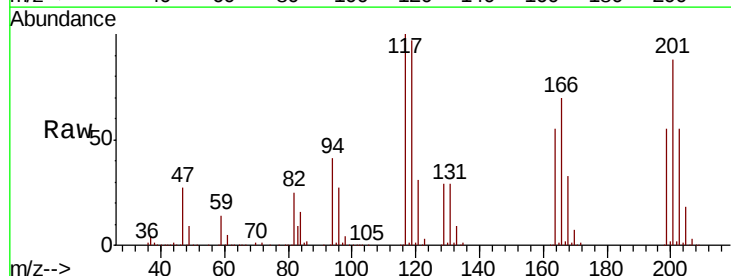
Manual Integrations
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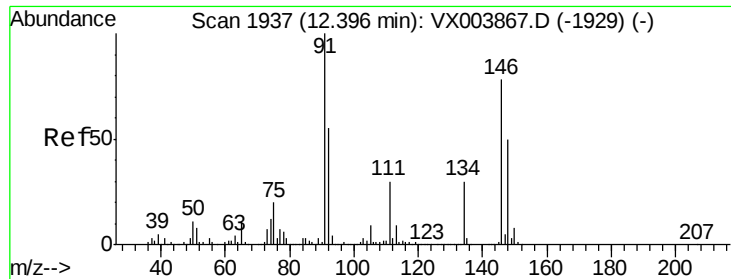
MMDadoda
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#90
Hexachloroethane
Concen: 44.49 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX004012.D
Acq: 13 Aug 2018 20:33

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.1	46.1	138.2





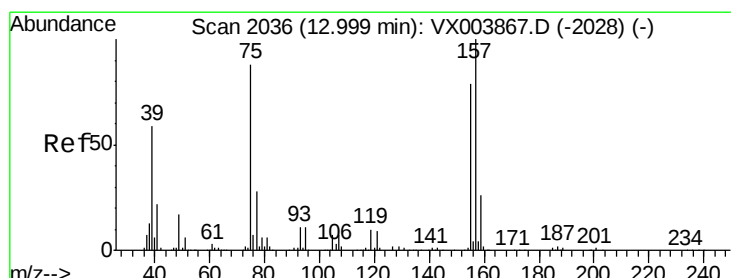
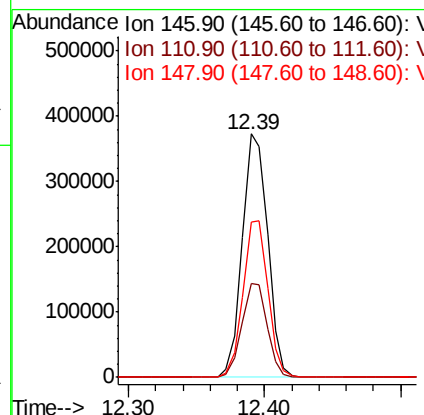
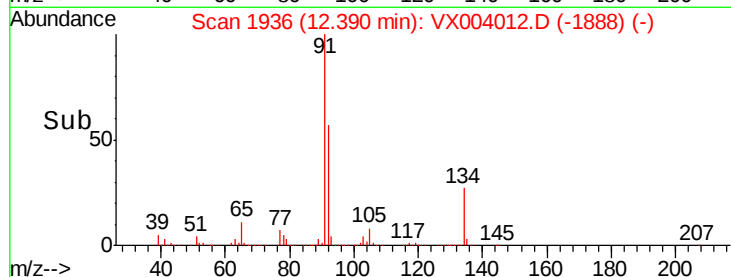
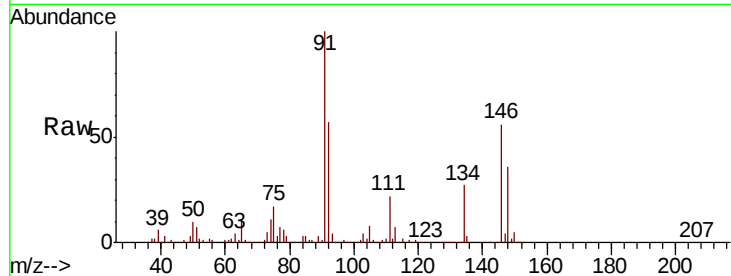
#91
 1,2-Dichlorobenzene
 Concen: 46.81 ug/l
 RT: 12.39 min Scan# 1936
 Delta R.T. -0.01 min
 Lab File: VX004012.D
 Acq: 13 Aug 2018 20:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.7	59.0
148	63.2	31.9	95.5

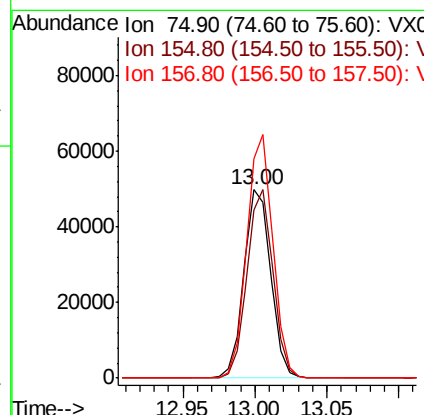
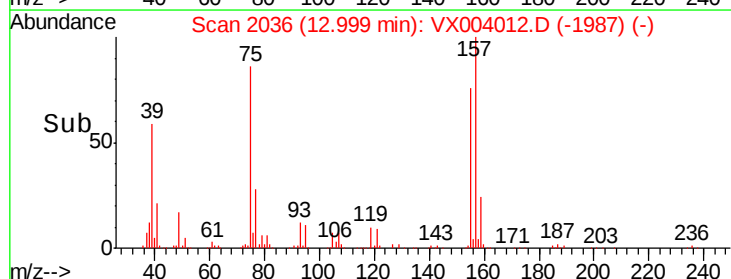
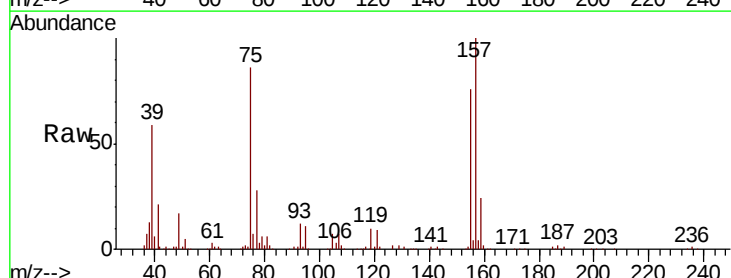
Manual Integrations
 APPROVED

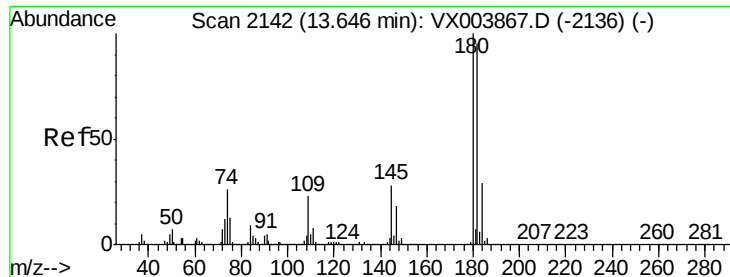
MMDadoda
 8/14/2018 12:56:22 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 43.30 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VX004012.D
 Acq: 13 Aug 2018 20:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.7	48.7	146.1
157	125.1	62.6	187.8





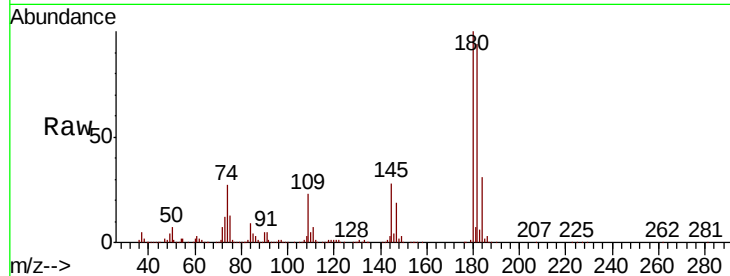
#93
 1,2,4-Trichlorobenzene
 Concen: 46.77 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VX004012.D
 Acq: 13 Aug 2018 20:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

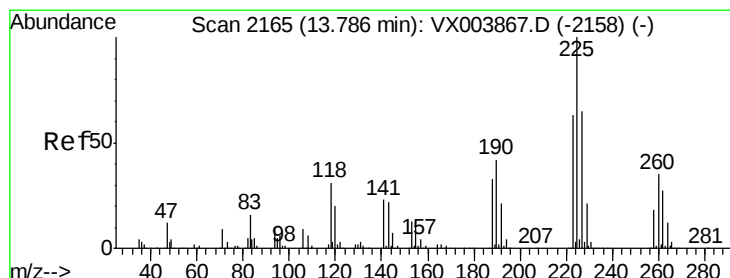
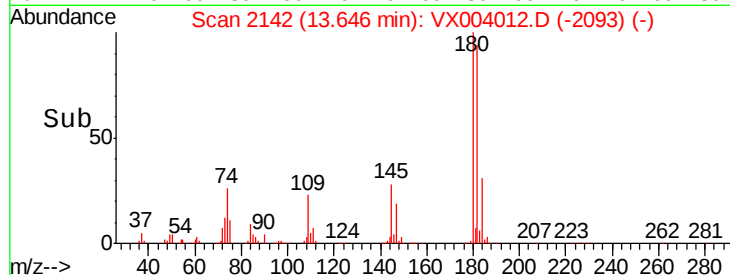
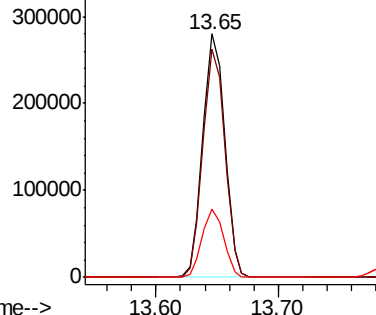
Tot Ion	Ratio	Resp	Lower	Upper
180	100	347825		
182	93.9	47.7	143.1	
145	27.6	13.9	41.6	

Manual Integrations
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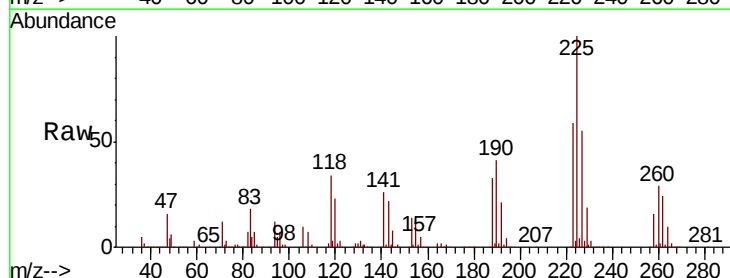


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

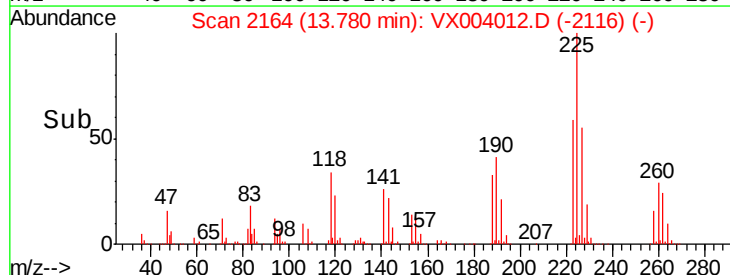
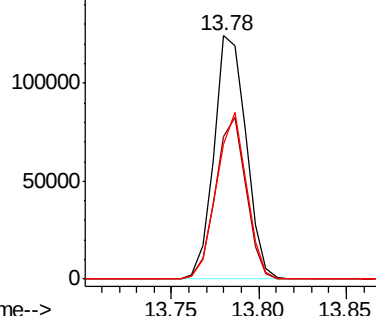


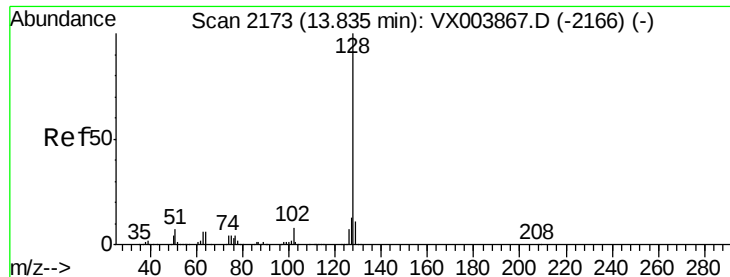
#94
 Hexachlorobutadiene
 Concen: 45.55 ug/l
 RT: 13.78 min Scan# 2164
 Delta R.T. -0.01 min
 Lab File: VX004012.D
 Acq: 13 Aug 2018 20:33

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	158675		
223	63.4	31.4	94.0	
227	64.2	32.1	96.5	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





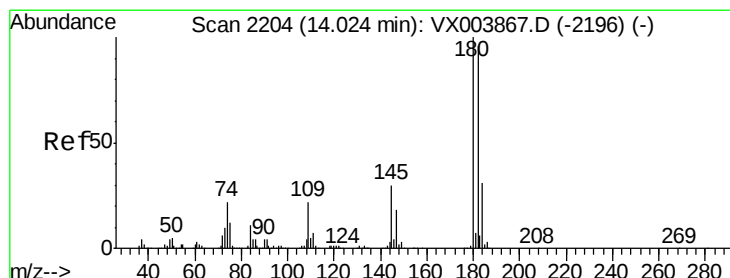
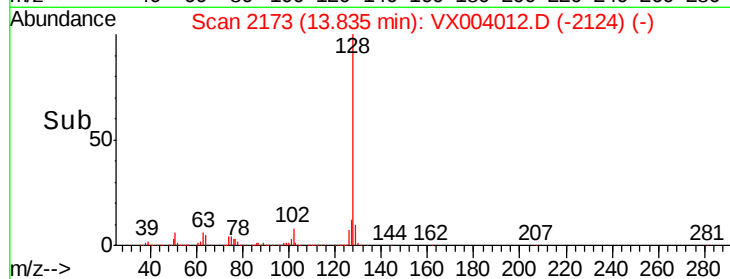
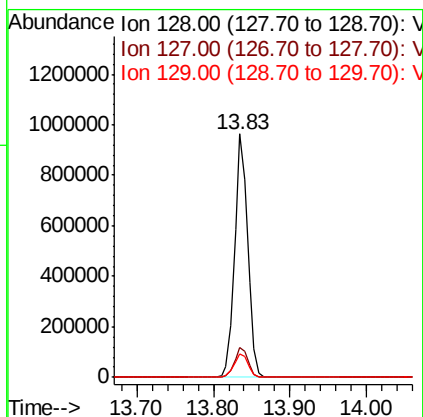
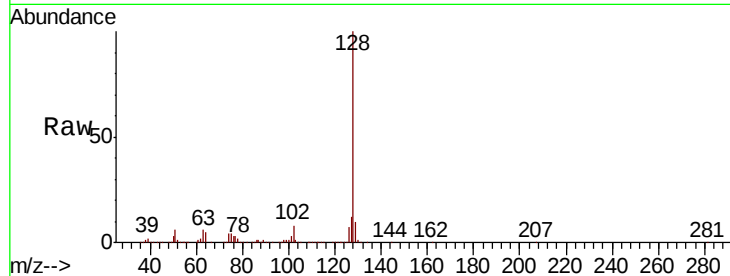
#95
Naphthalene
Concen: 53.19 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX004012.D
Acq: 13 Aug 2018 20:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	10.5	8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 51.13 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX004012.D
Acq: 13 Aug 2018 20:33

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	48.1	144.4
145	30.2	14.9	44.7

