

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051518\
 Data File : VX001735.D
 Acq On : 15 May 2018 10:12
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/16/2018 11:54:12 AM

Quant Time: May 16 04:14:49 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 15 01:36:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	342483	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	429533	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	376090	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	257394	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	212050	46.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.38%	
35) Dibromofluoromethane	5.51	113	180171	49.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.40%	
50) Toluene-d8	8.72	98	685457	52.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.60%	
62) 4-Bromofluorobenzene	11.14	95	237231	50.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.50%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	186329	54.21	ug/l	99
3) Chloromethane	1.32	50	183037	49.30	ug/l	100
4) Vinyl Chloride	1.40	62	205941	51.31	ug/l	99
5) Bromomethane	1.64	94	82636	48.84	ug/l	99
6) Chloroethane	1.72	64	130524	51.63	ug/l	98
7) Trichlorofluoromethane	1.93	101	310965	53.32	ug/l	99
8) Diethyl Ether	2.19	74	122683	51.10	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	189685	54.02	ug/l	100
10) Methyl Iodide	2.51	142	109769	33.98	ug/l	100
11) Tert butyl alcohol	3.07	59	193987	238.02	ug/l	100
12) 1,1-Dichloroethene	2.37	96	172491	50.96	ug/l	99
13) Acrolein	2.29	56	157147	271.86	ug/l	100
14) Allyl chloride	2.73	41	323383	51.68	ug/l	99
15) Acrylonitrile	3.15	53	492341	240.51	ug/l	100
16) Acetone	2.45	43	494800	274.43	ug/l	100
17) Carbon Disulfide	2.57	76	455604	51.60	ug/l	99
18) Methyl Acetate	2.78	43	262030	49.71	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	581135	50.93	ug/l	100
20) Methylene Chloride	2.86	84	191115	49.52	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	188469	50.54	ug/l	98
22) Diisopropyl ether	3.87	45	609710	50.80	ug/l	97
23) Vinyl Acetate	3.82	43	2081726	240.71	ug/l	100
24) 1,1-Dichloroethane	3.70	63	337595	51.28	ug/l	100
25) 2-Butanone	4.71	43	706037	255.77	ug/l	98
26) 2,2-Dichloropropane	4.59	77	287430	54.24	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	214704	50.60	ug/l	99
28) Bromochloromethane	5.03	49	160930	55.04	ug/l	99
29) Tetrahydrofuran	5.17	42	437193	242.97	ug/l	100
30) Chloroform	5.22	83	353897	51.18	ug/l	99
31) Cyclohexane	5.57	56	320044	55.47	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	317964	53.21	ug/l	100
36) 1,1-Dichloropropene	5.80	75	274504	55.51	ug/l	100
37) Ethyl Acetate	4.87	43	265618	51.55	ug/l	100
38) Carbon Tetrachloride	5.79	117	292766	56.52	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	349407	60.48	ug/l	100
40) Benzene	6.15	78	795251	54.59	ug/l	99
41) Methacrylonitrile	5.07	41	155027	52.02	ug/l	99
42) 1,2-Dichloroethane	6.20	62	279622	53.07	ug/l	100
43) Isopropyl Acetate	6.47	43	429248	53.22	ug/l	100
44) Trichloroethene	7.21	130	248059	54.86	ug/l	98
45) 1,2-Dichloropropane	7.52	63	196305	54.91	ug/l	99
46) Dibromomethane	7.67	93	133237	53.08	ug/l	98
47) Bromodichloromethane	7.90	83	267416	57.41	ug/l	97
48) Methyl methacrylate	7.78	41	230351	54.26	ug/l	99
49) 1,4-Dioxane	7.76	88	90465	1106.78	ug/l	98
51) 4-Methyl-2-Pentanone	8.66	43	1384241	270.83	ug/l	100
52) Toluene	8.79	92	530243	56.64	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	321382	58.64	ug/l	100
54) cis-1,3-Dichloropropene	9.05	75	296759	61.43	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	196819	55.00	ug/l	99
56) Ethyl methacrylate	9.19	69	298497	58.82	ug/l	100
57) 1,3-Dichloropropane	9.38	76	314275	52.46	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	778968	298.42	ug/l	100
59) 2-Hexanone	9.50	43	996851	272.46	ug/l	100
60) Dibromochloromethane	9.59	129	211599	57.75	ug/l	99
61) 1,2-Dibromoethane	9.68	107	200374	53.49	ug/l	99
64) Tetrachloroethene	9.34	164	271343	55.42	ug/l	98
65) Chlorobenzene	10.15	112	556681	53.81	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	205519	56.25	ug/l	99
67) Ethyl Benzene	10.26	91	935056	56.56	ug/l	99
68) m/p-Xylenes	10.37	106	751926	115.27	ug/l	100
69) o-Xylene	10.70	106	359041	57.47	ug/l	99
70) Styrene	10.72	104	595793	57.83	ug/l	100
71) Bromoform	10.86	173	171847	50.50	ug/l	99
73) Isopropylbenzene	11.02	105	962819	56.80	ug/l	100
74) N-amyl acetate	6.47	43	429248	52.82	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	261428	51.41	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	261016m	53.33	ug/l	
77) Bromobenzene	11.26	156	272342	54.68	ug/l	99
78) n-propylbenzene	11.37	91	1108713	58.06	ug/l	99
79) 2-Chlorotoluene	11.43	91	634845	55.58	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	806964	58.03	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	80514	49.09	ug/l	98
82) 4-Chlorotoluene	11.52	91	750093	55.75	ug/l	99
83) tert-Butylbenzene	11.77	119	790834	57.15	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	837946	58.19	ug/l	100
85) sec-Butylbenzene	11.95	105	999174	58.49	ug/l	100
86) p-Isopropyltoluene	12.07	119	933143	59.03	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	506105	54.94	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	513164	53.88	ug/l	99
89) n-Butylbenzene	12.40	91	813989	59.54	ug/l	100
90) Hexachloroethane	12.60	117	146798	59.80	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	495727	54.01	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	59053	54.41	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	418486	57.20	ug/l	100
94) Hexachlorobutadiene	13.79	225	223132	56.81	ug/l	100
95) Naphthalene	13.84	128	1063060	55.90	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	410771	55.76	ug/l	100

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

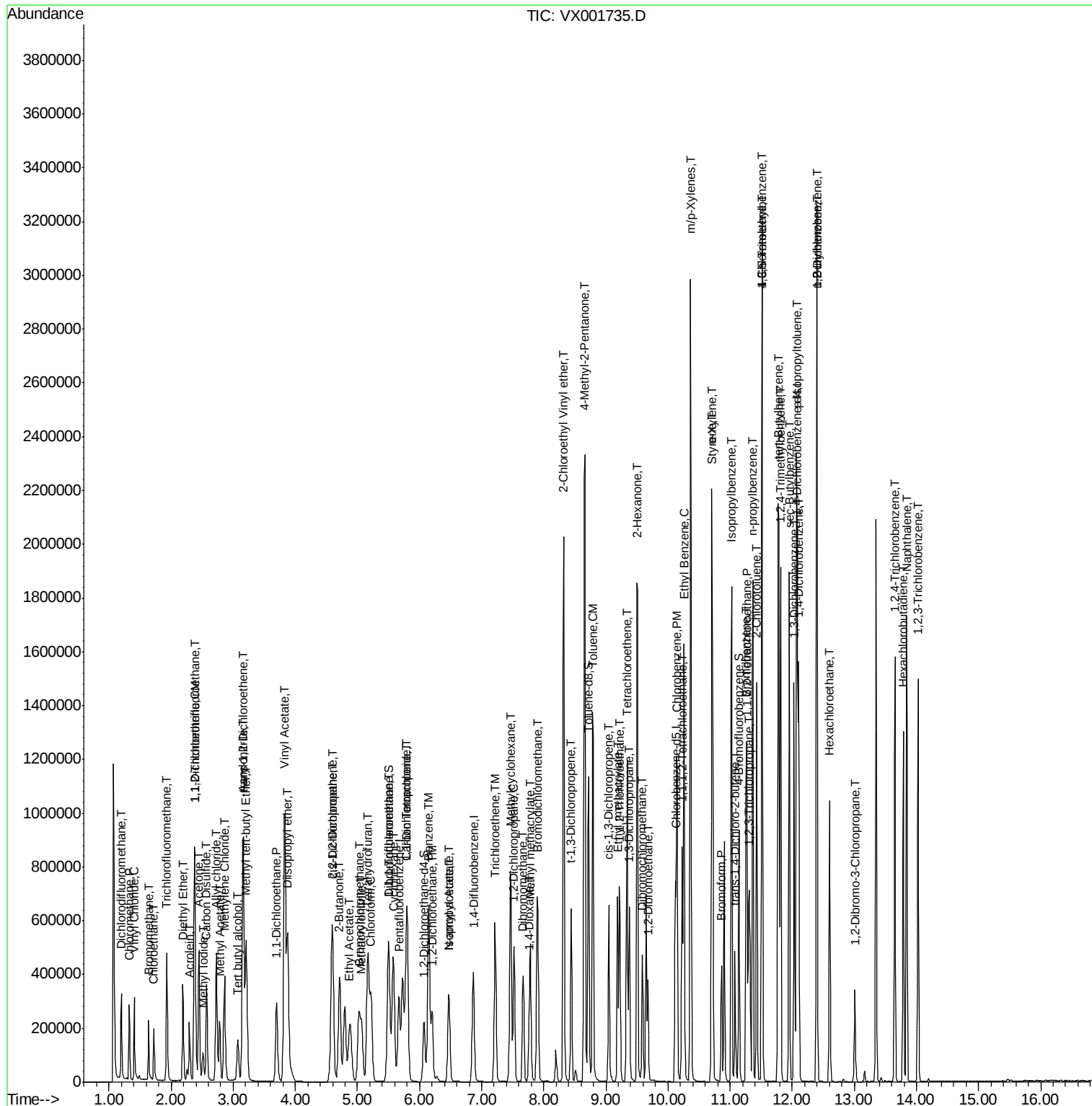
Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051518\
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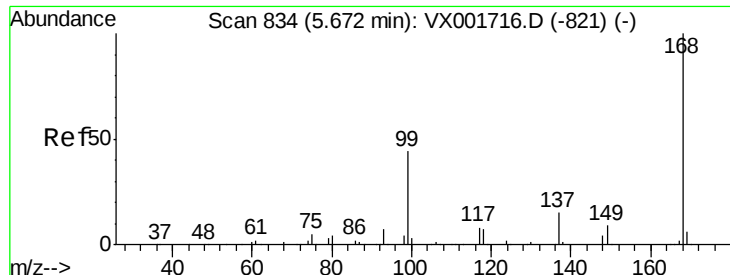
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX001735.D

Acq: 15 May 2018 10:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 342483

Ion Ratio Lower Upper

168 100

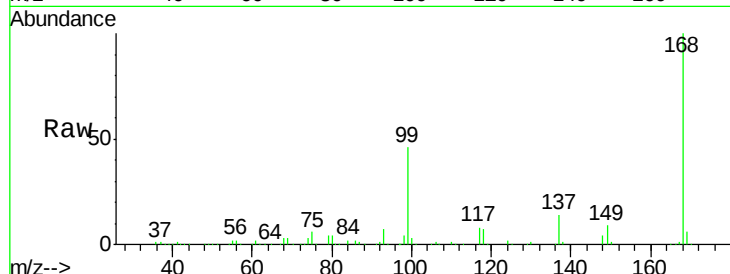
99 45.4 35.0 52.4

Manual Integrations

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5/16/2018 11:54:12 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

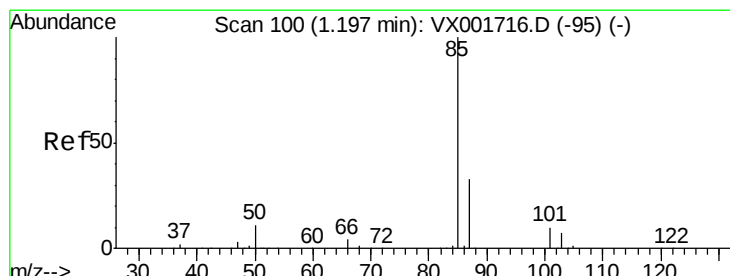
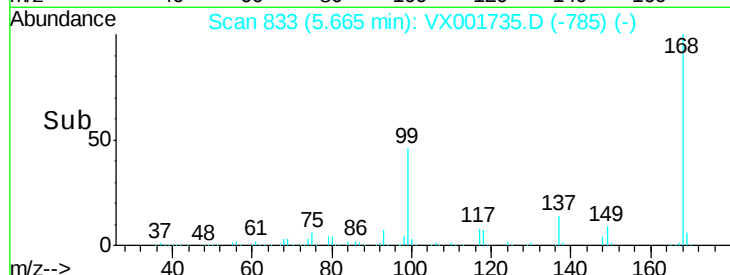
5.67

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 54.21 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX001735.D

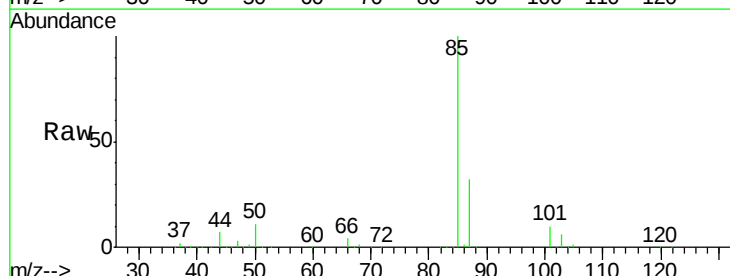
Acq: 15 May 2018 10:12

Tgt Ion: 85 Resp: 186329

Ion Ratio Lower Upper

85 100

87 32.2 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

200000

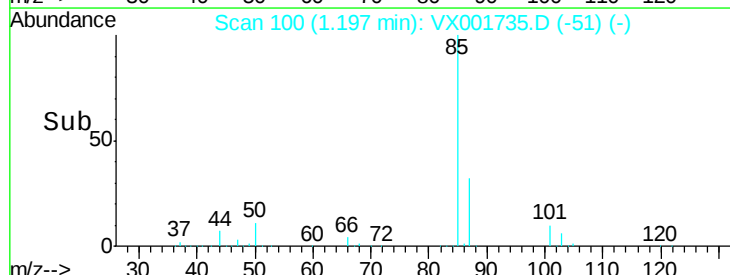
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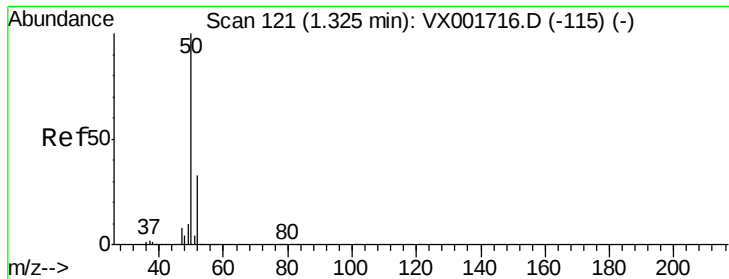
100000

50000

0

Time--> 1.10 1.20 1.30





#3

Chloromethane

Concen: 49.30 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX001735.D

Acq: 15 May 2018 10:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 183037

Ion Ratio Lower Upper

50 100

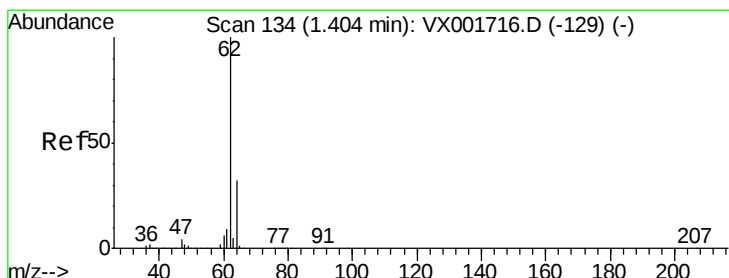
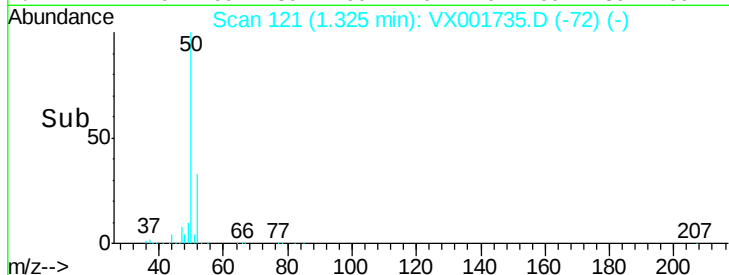
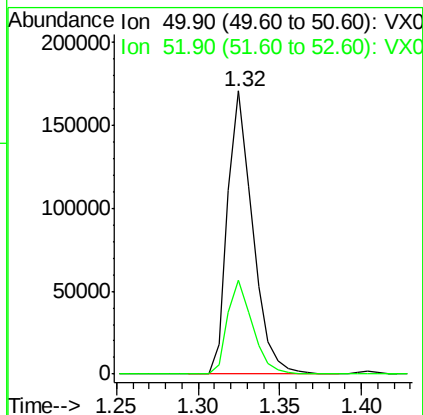
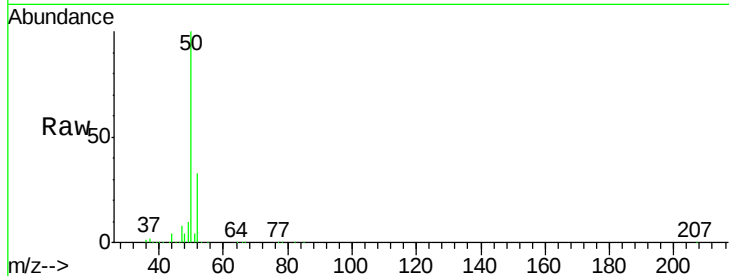
52 33.0 26.3 39.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 51.31 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX001735.D

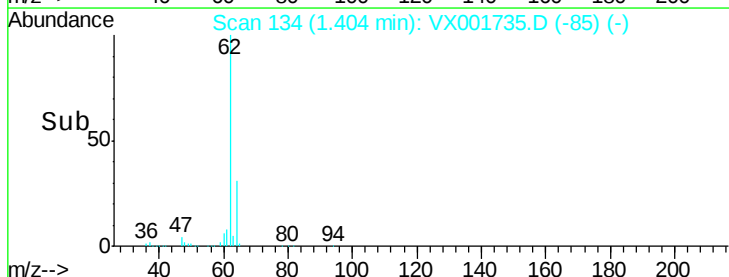
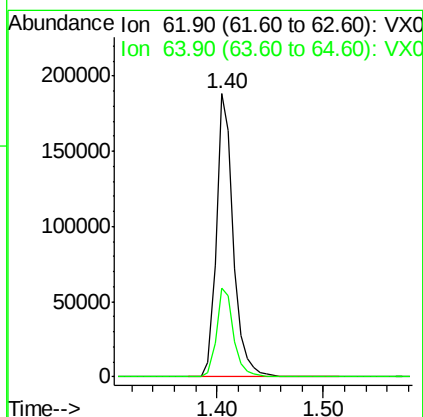
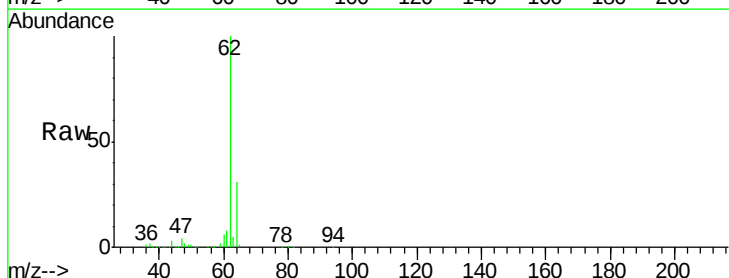
Acq: 15 May 2018 10:12

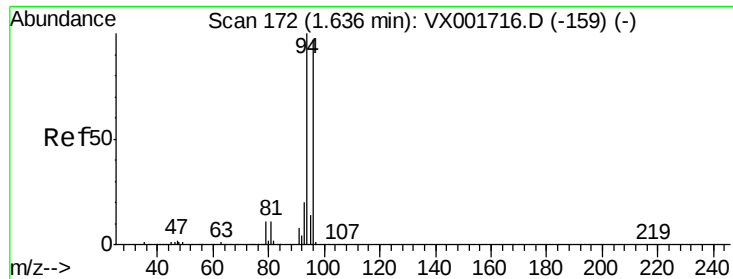
Tgt Ion: 62 Resp: 205941

Ion Ratio Lower Upper

62 100

64 31.3 25.6 38.4





#5

Bromomethane

Concen: 48.84 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX001735.D

Acq: 15 May 2018 10:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 82636

Ion Ratio Lower Upper

94 100

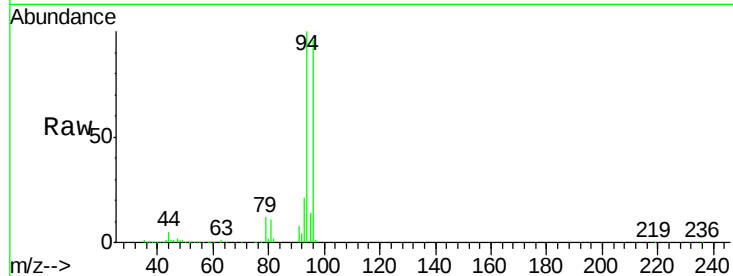
96 96.1 77.4 116.0

Manual Integrations

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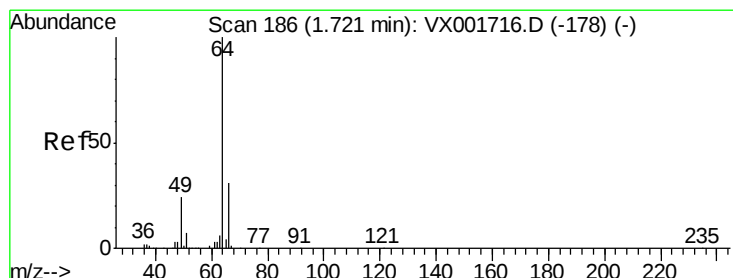
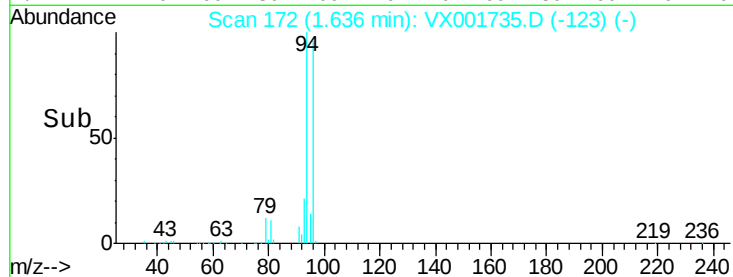
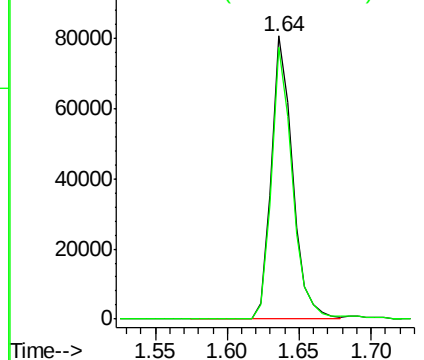
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 51.63 ug/l

RT: 1.72 min Scan# 186

Delta R.T. -0.00 min

Lab File: VX001735.D

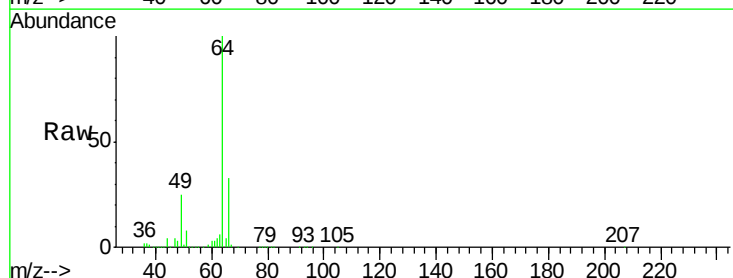
Acq: 15 May 2018 10:12

Tgt Ion: 64 Resp: 130524

Ion Ratio Lower Upper

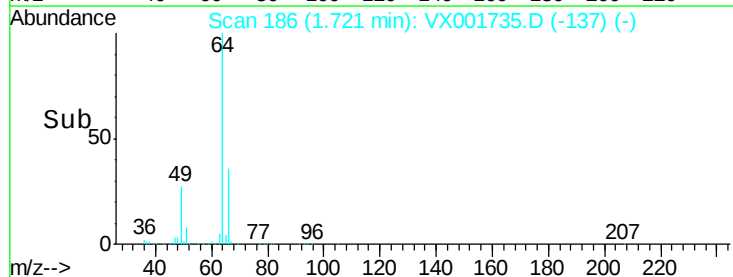
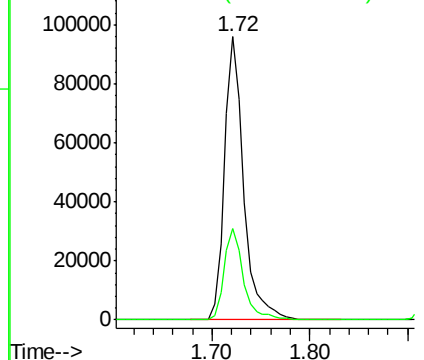
64 100

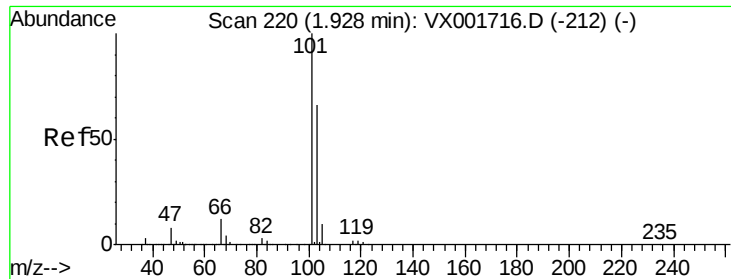
66 32.5 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

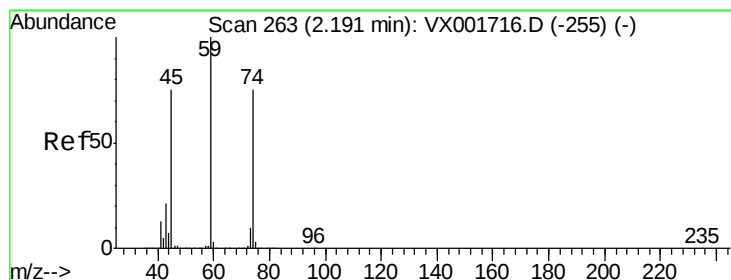
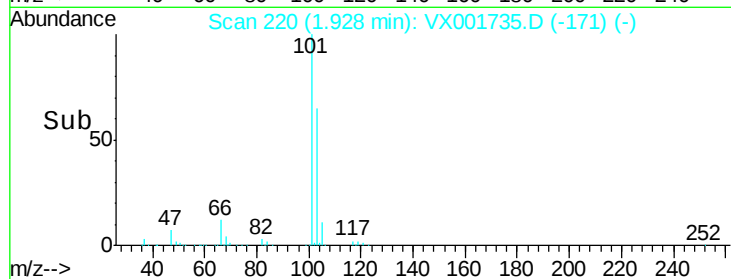
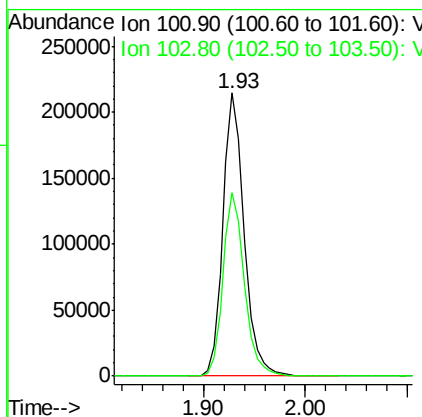
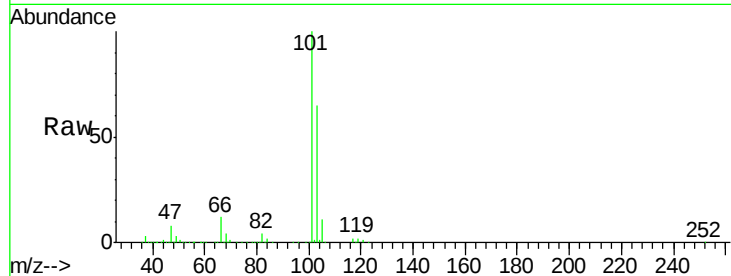
Trichlorofluoromethane
 Concen: 53.32 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. -0.00 min
 Lab File: VX001735.D
 Acq: 15 May 2018 10:12

Instrument :
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 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	52.6	78.8

Manual Integrations
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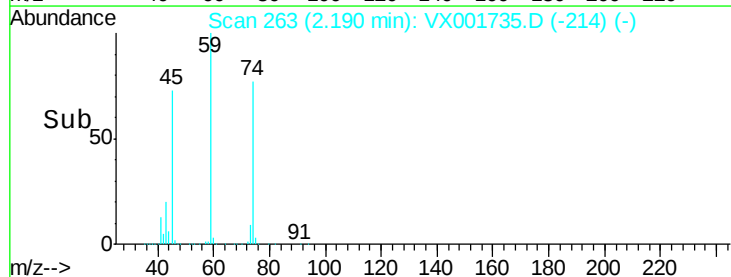
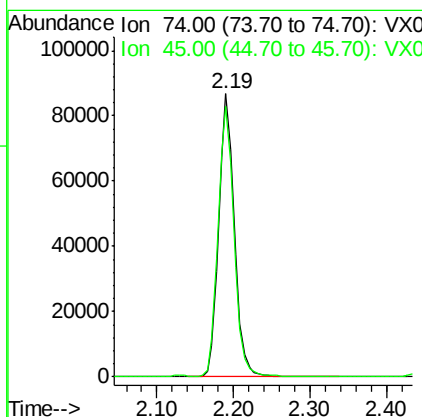
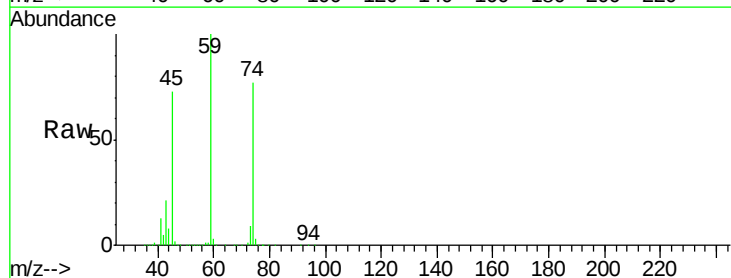
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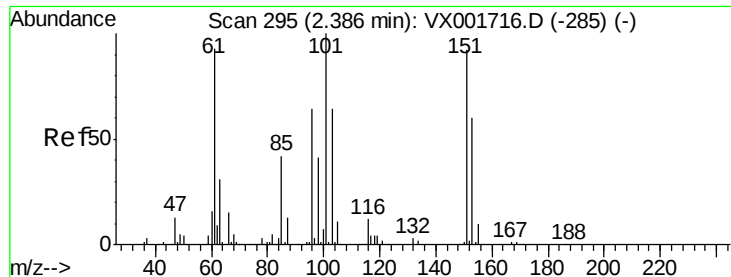


#8

Diethyl Ether
 Concen: 51.10 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. -0.00 min
 Lab File: VX001735.D
 Acq: 15 May 2018 10:12

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.5	50.0	149.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.02 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX001735.D

Acq: 15 May 2018 10:12

Instrument :

MSVOA_X

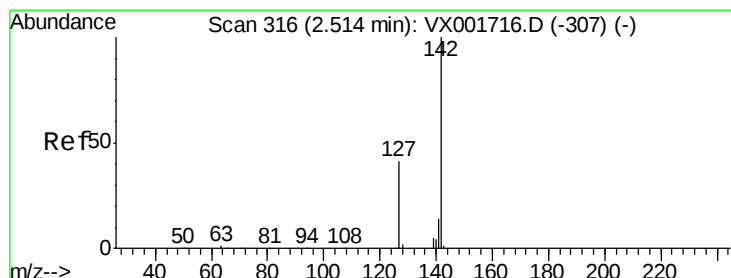
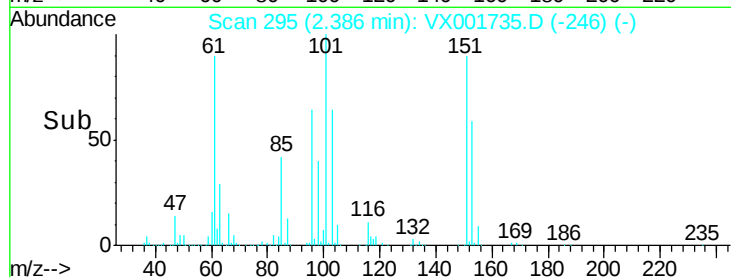
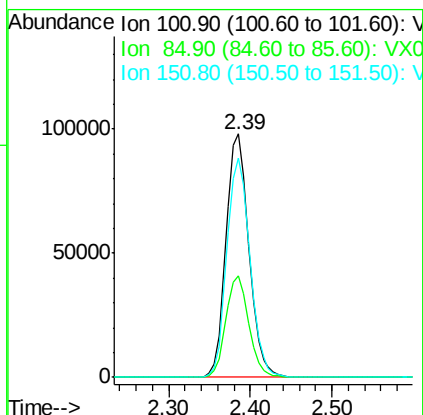
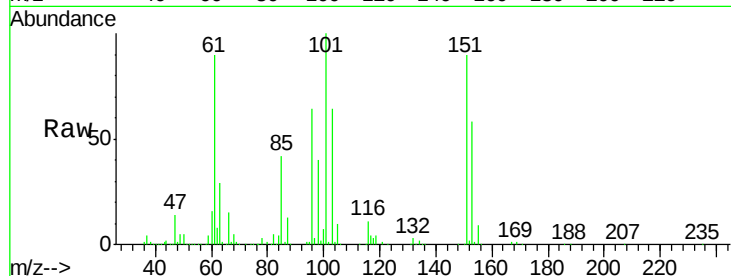
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	189685
Ion Ratio	Lower	Upper	
101	100		
85	41.6	33.7	50.5
151	91.1	73.0	109.6

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#10

Methyl Iodide

Concen: 33.98 ug/l

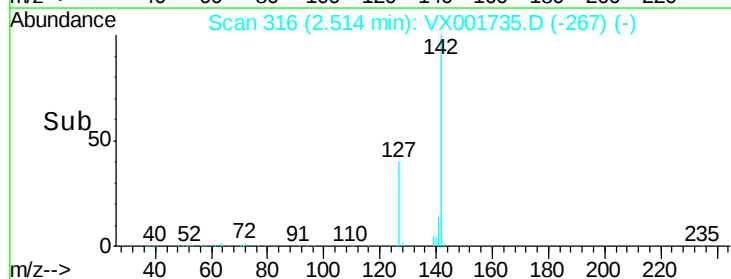
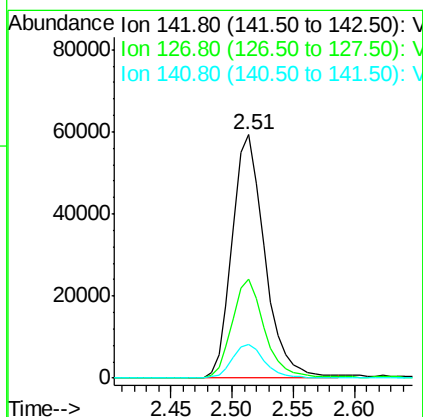
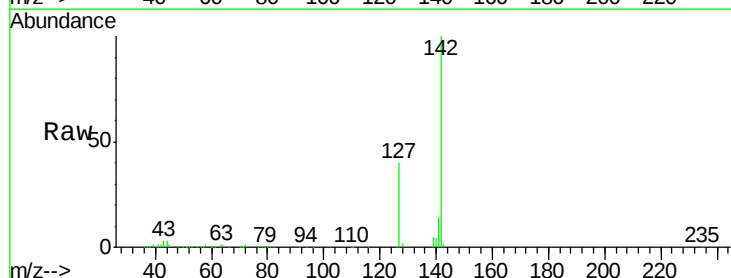
RT: 2.51 min Scan# 316

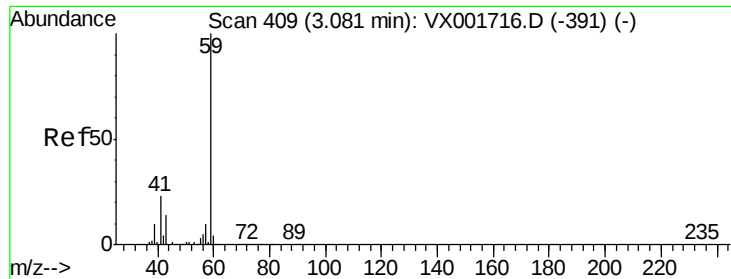
Delta R.T. -0.00 min

Lab File: VX001735.D

Acq: 15 May 2018 10:12

Tgt Ion:	142	Resp:	109769
Ion Ratio	Lower	Upper	
142	100		
127	40.6	32.5	48.7
141	14.0	11.4	17.0





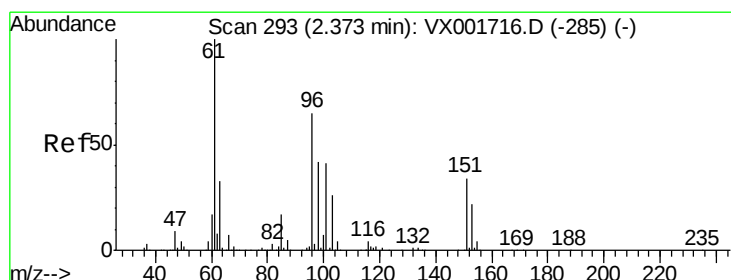
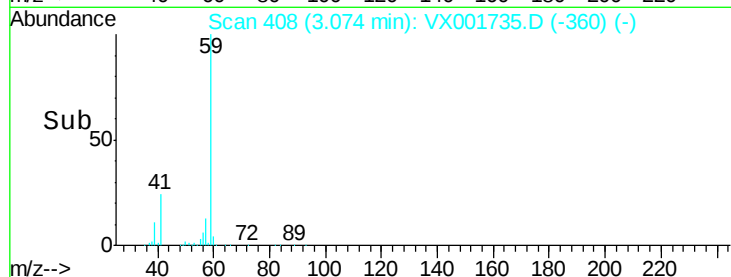
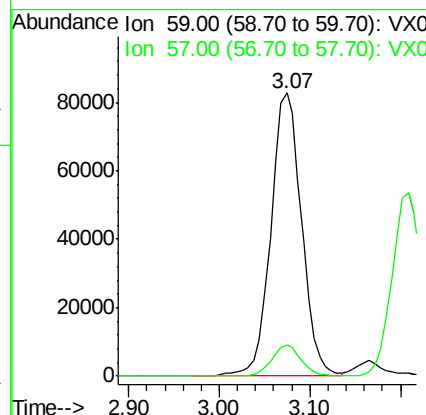
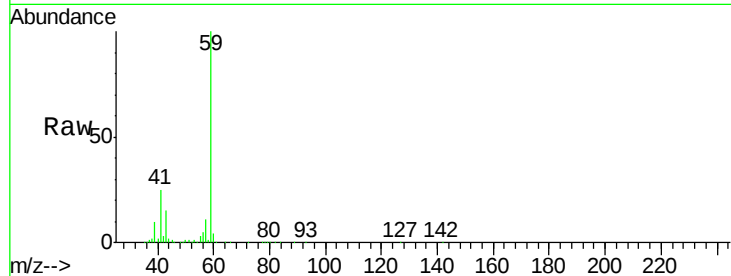
#11
Tert butyl alcohol
Concen: 238.02 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX001735.D
Acq: 15 May 2018 10:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	193987
Ion Ratio	100	Lower	Upper
57	10.5	8.5	12.7

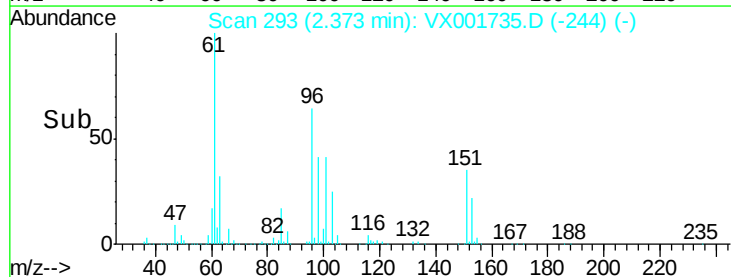
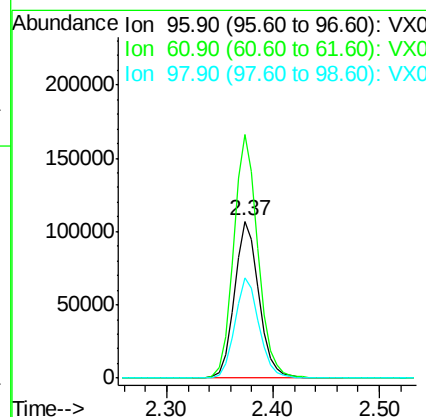
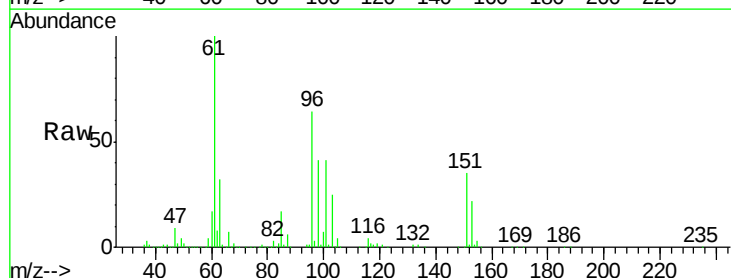
Manual Integrations
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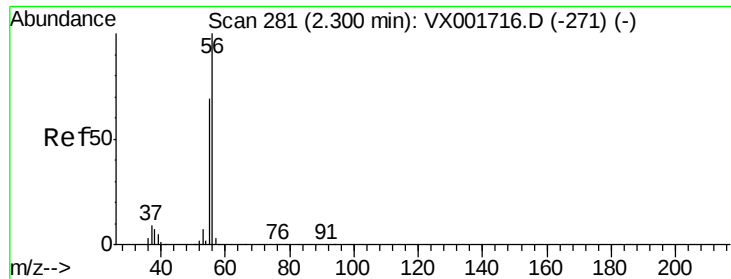
MMDadoda
5/16/2018 11:54:12 AM



#12
1,1-Dichloroethene
Concen: 50.96 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.00 min
Lab File: VX001735.D
Acq: 15 May 2018 10:12

Tgt Ion	96	Resp	172491
Ion Ratio	100	Lower	Upper
61	155.2	122.2	183.2
98	64.0	51.4	77.0





#13

Acrolein

Concen: 271.86 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX001735.D

Acq: 15 May 2018 10:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 157147

Ion Ratio Lower Upper

56 100

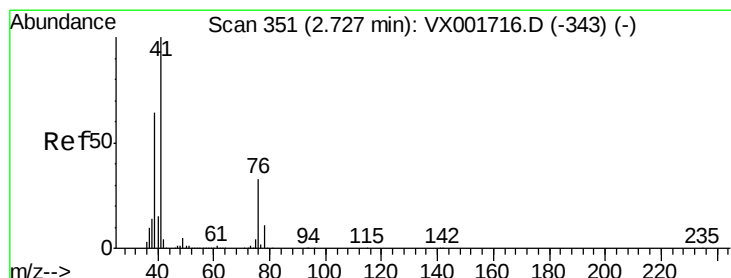
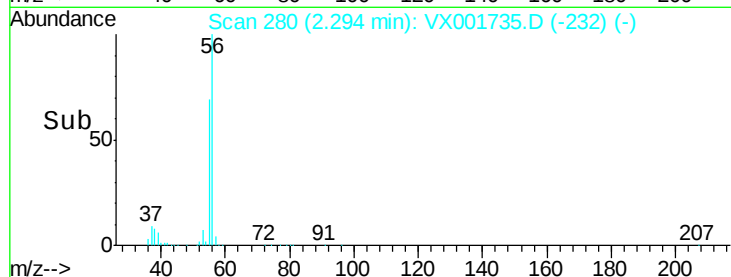
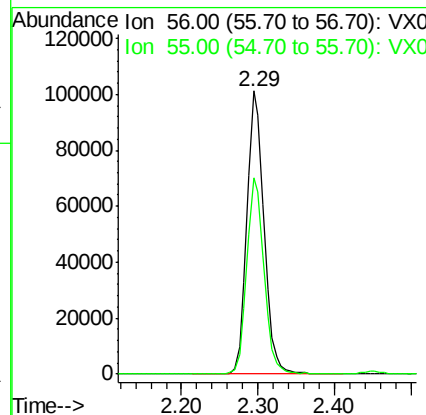
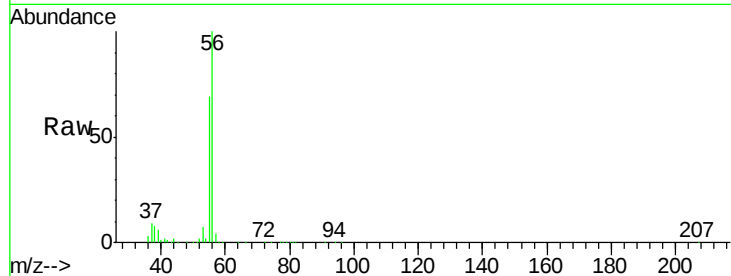
55 69.8 56.2 84.2

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#14

Allyl chloride

Concen: 51.68 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX001735.D

Acq: 15 May 2018 10:12

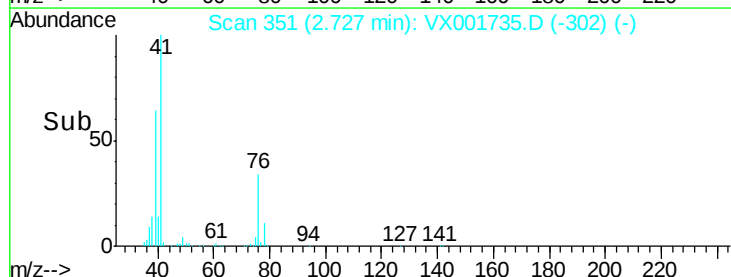
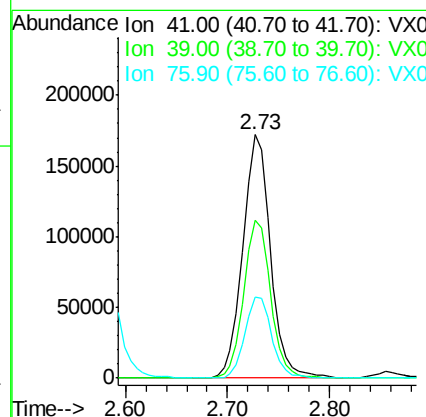
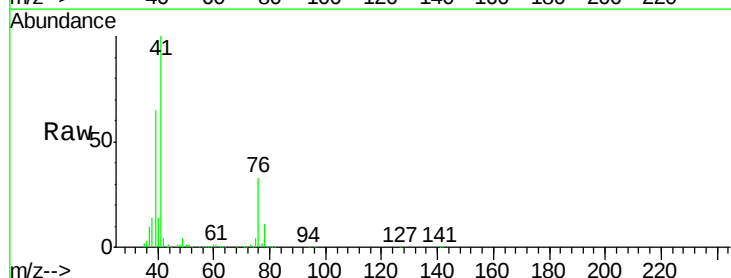
Tgt Ion: 41 Resp: 323383

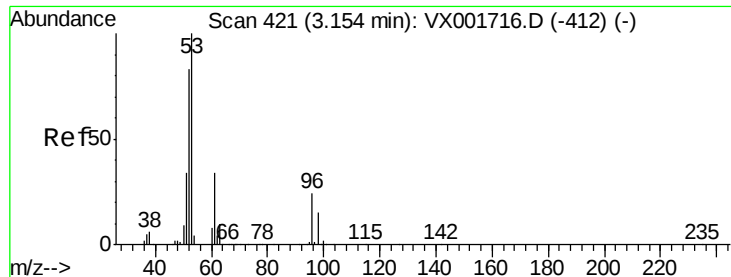
Ion Ratio Lower Upper

41 100

39 63.1 49.8 74.6

76 32.2 25.8 38.8





#15

Acrylonitrile

Concen: 240.51 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX001735.D

Acq: 15 May 2018 10:12

Instrument :

MSVOA_X

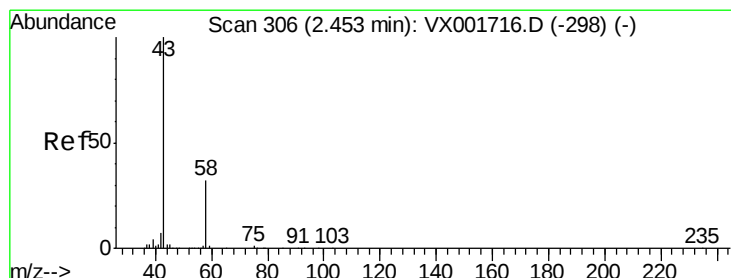
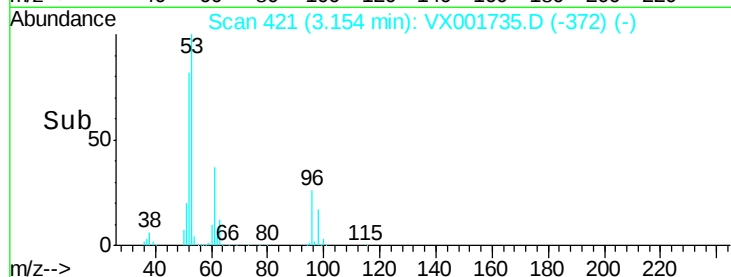
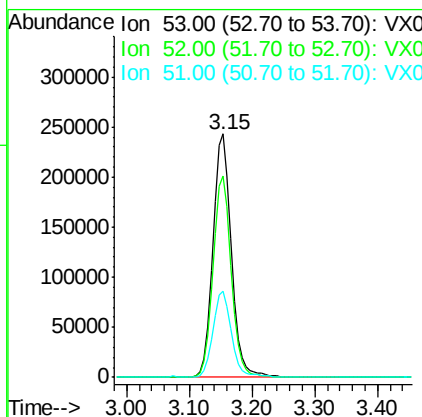
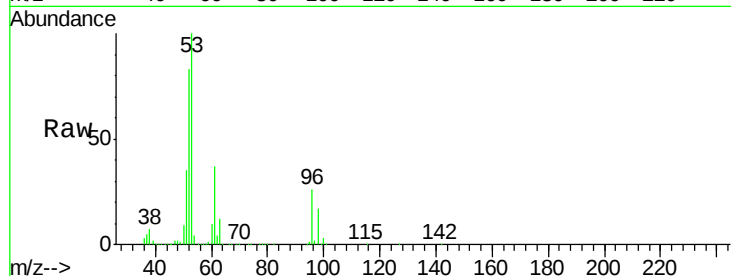
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	492341
Ion Ratio	Lower	Upper	
53	100		
52	81.9	65.6	98.4
51	35.8	28.1	42.1

Manual Integrations
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#16

Acetone

Concen: 274.43 ug/l

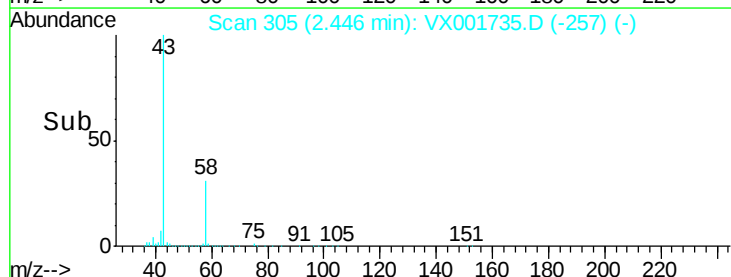
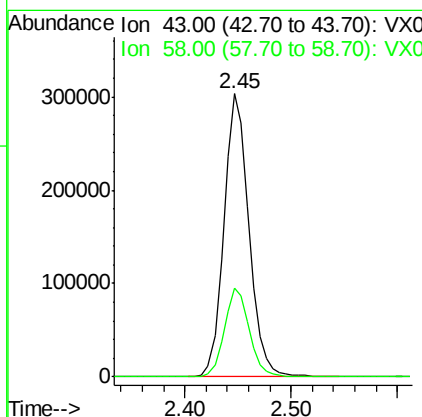
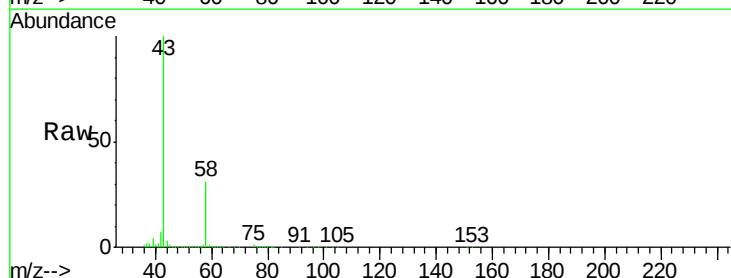
RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX001735.D

Acq: 15 May 2018 10:12

Tgt Ion:	43	Resp:	494800
Ion Ratio	Lower	Upper	
43	100		
58	31.5	25.3	37.9





#17

Carbon Disulfide

Concen: 51.60 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.00 min

Lab File: VX001735.D

Acq: 15 May 2018 10:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 455604

Ion Ratio Lower Upper

76 100

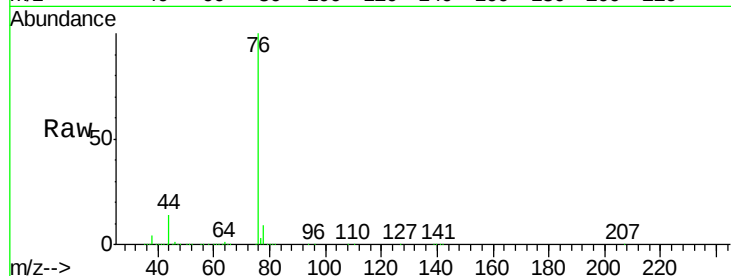
78 9.1 7.6 11.4

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

250000

200000

150000

100000

50000

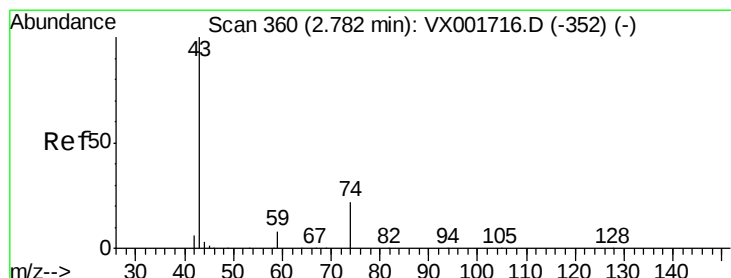
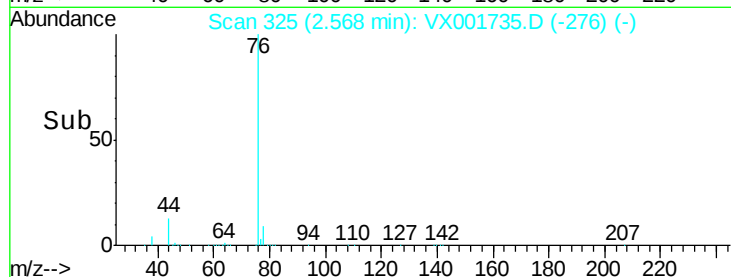
0

Time-->

2.50

2.60

2.70



#18

Methyl Acetate

Concen: 49.71 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.00 min

Lab File: VX001735.D

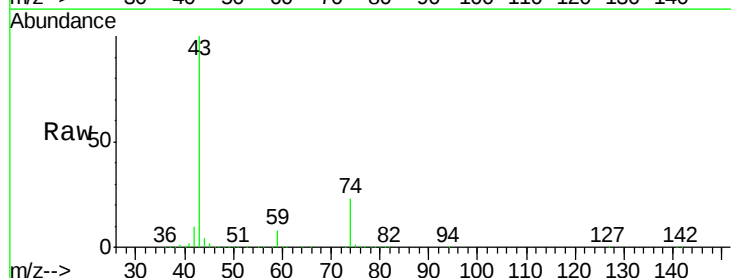
Acq: 15 May 2018 10:12

Tgt Ion: 43 Resp: 262030

Ion Ratio Lower Upper

43 100

74 23.5 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

150000

100000

50000

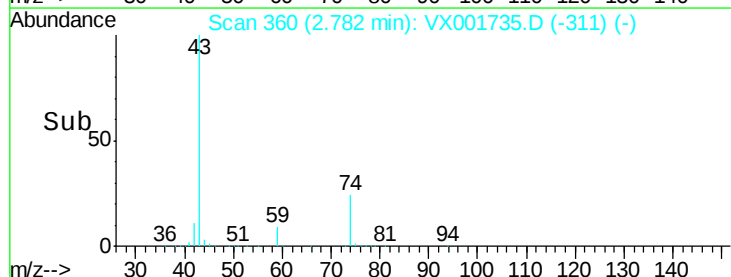
0

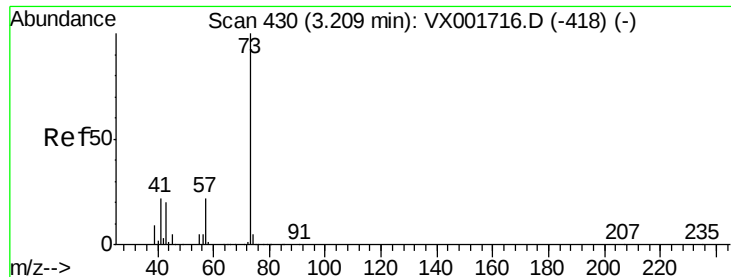
Time-->

2.70

2.80

2.90





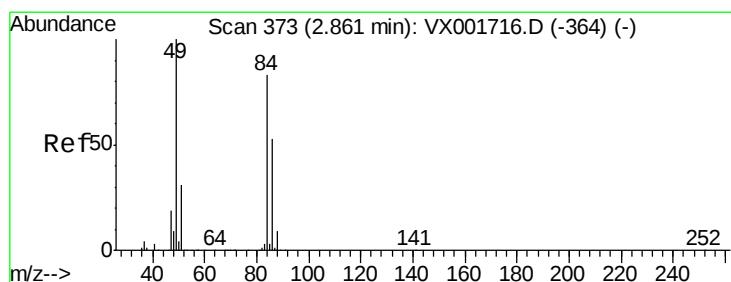
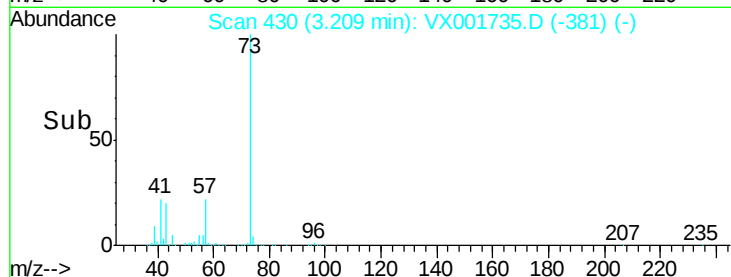
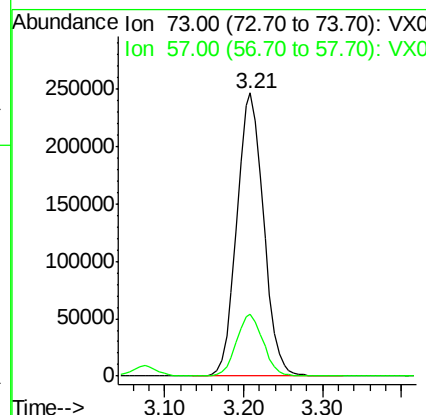
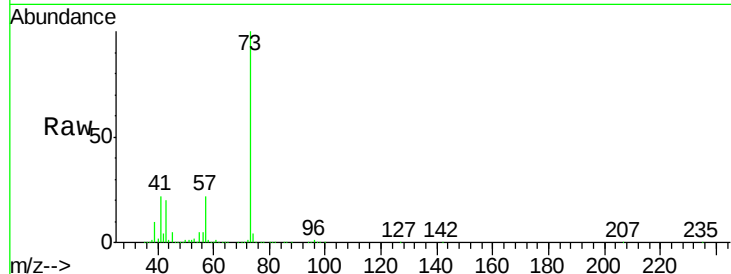
#19
Methvl tert-butvl Ether
Concen: 50.93 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.00 min
Lab File: VX001735.D
Acq: 15 May 2018 10:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.5	26.3

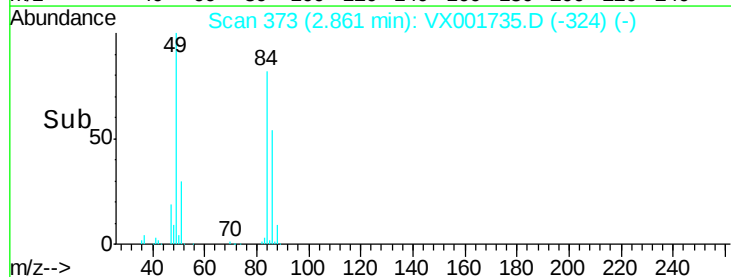
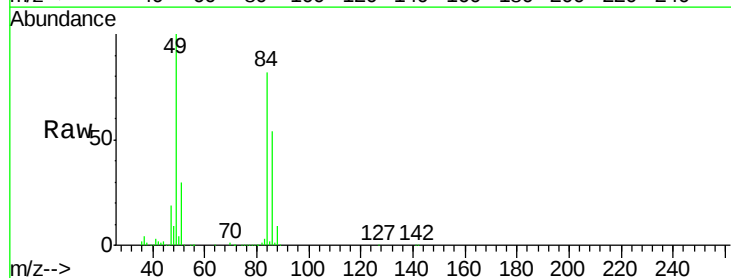
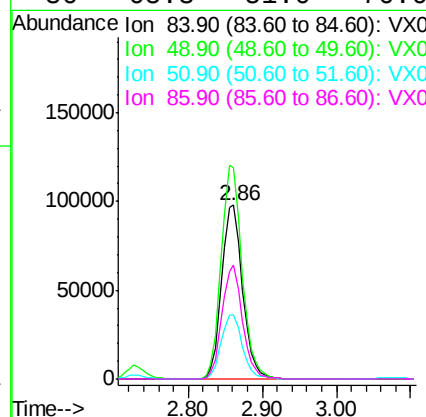
Manual Integrations
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#20
Methylene Chloride
Concen: 49.52 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX001735.D
Acq: 15 May 2018 10:12

Tgt Ion	Ratio	Lower	Upper
84	100		
49	121.2	96.3	144.5
51	36.4	29.8	44.6
86	65.3	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 50.54 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX001735.D

Acq: 15 May 2018 10:12

Instrument :

MSVOA_X

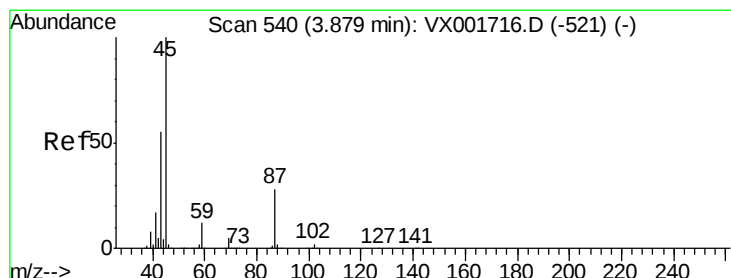
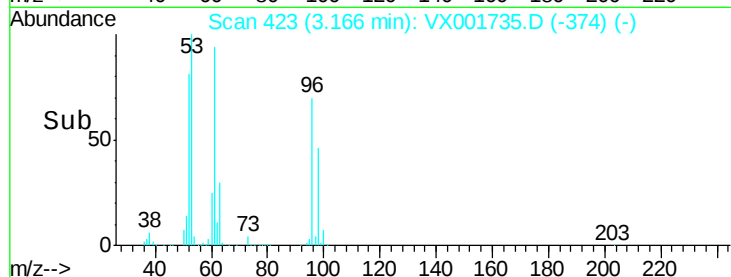
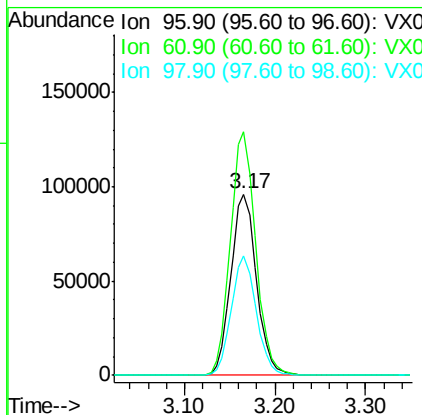
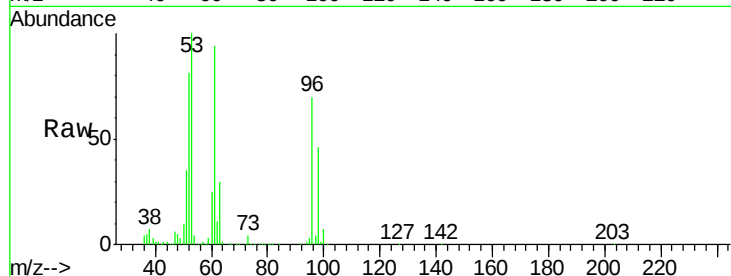
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	188469
Ion	Ratio	Lower	Upper
96	100		
61	134.3	105.8	158.8
98	65.7	50.2	75.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 50.80 ug/l

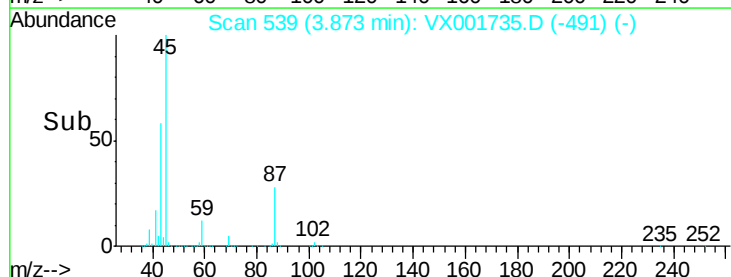
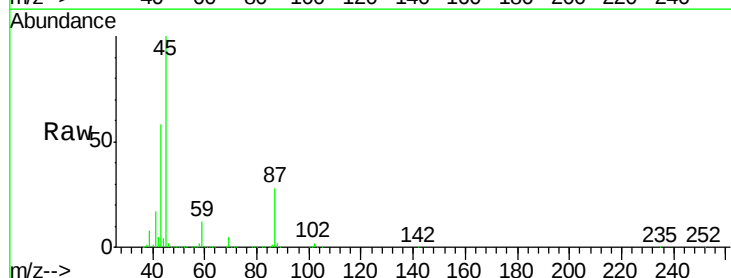
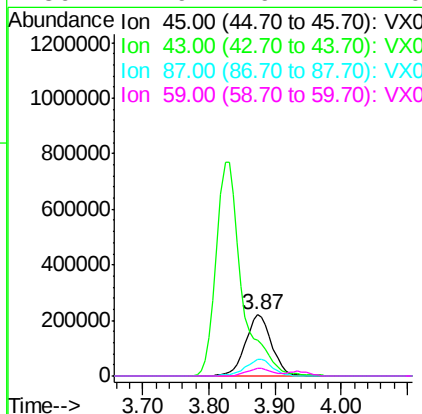
RT: 3.87 min Scan# 539

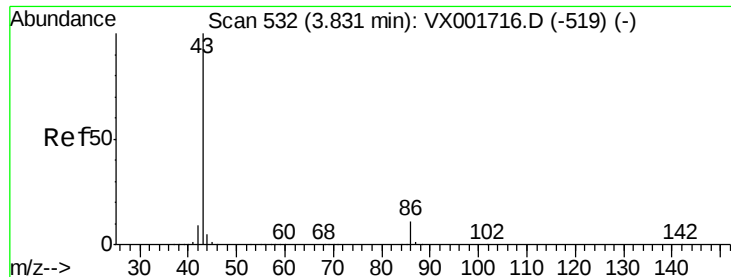
Delta R.T. -0.01 min

Lab File: VX001735.D

Acq: 15 May 2018 10:12

Tgt Ion:	45	Resp:	609710
Ion	Ratio	Lower	Upper
45	100		
43	58.2	44.3	66.5
87	27.8	22.6	33.8
59	11.9	9.4	14.0





#23

Vinyl Acetate

Concen: 240.71 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.01 min

Lab File: VX001735.D

Acq: 15 May 2018 10:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2081726

Ion Ratio Lower Upper

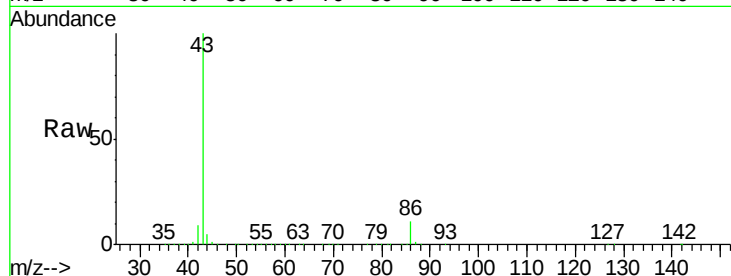
43 100

86 10.8 8.7 13.1

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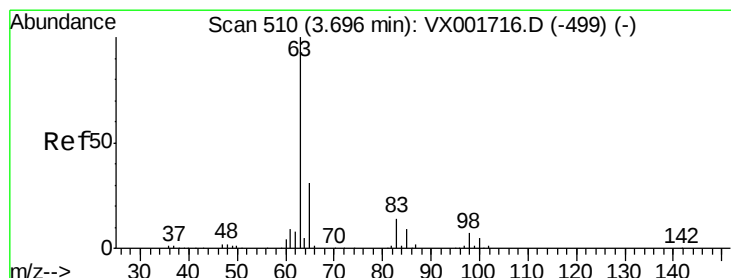
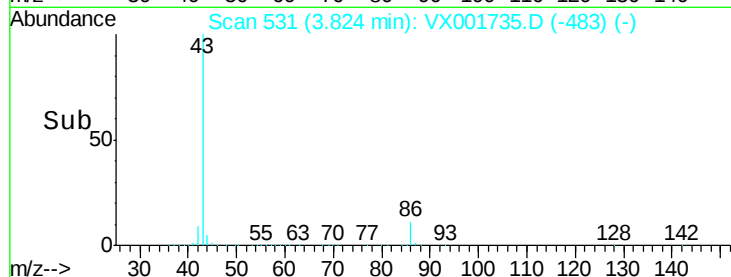
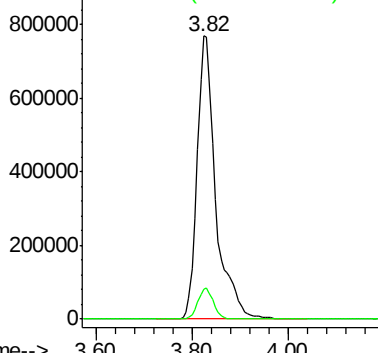
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 51.28 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX001735.D

Acq: 15 May 2018 10:12

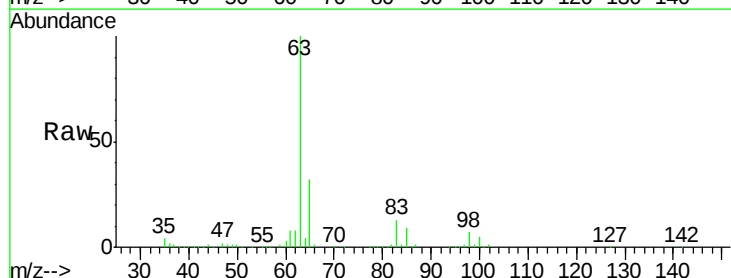
Tgt Ion: 63 Resp: 337595

Ion Ratio Lower Upper

63 100

98 7.3 3.7 11.1

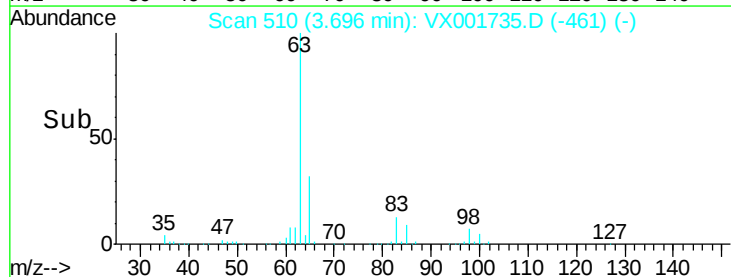
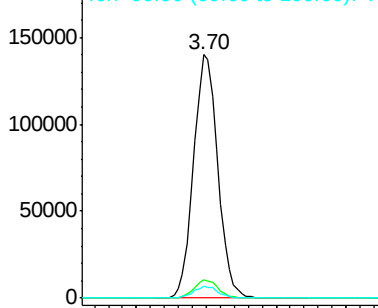
100 4.8 2.4 7.2

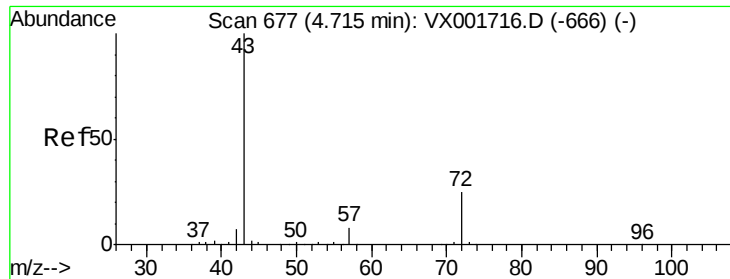


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 255.77 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.01 min

Lab File: VX001735.D

Acq: 15 May 2018 10:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 706037

Ion Ratio Lower Upper

43 100

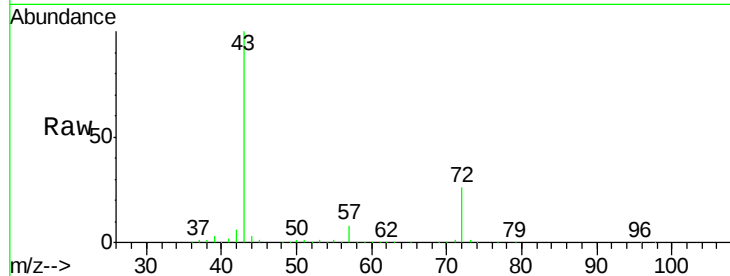
72 25.6 19.8 29.6

Manual Integrations

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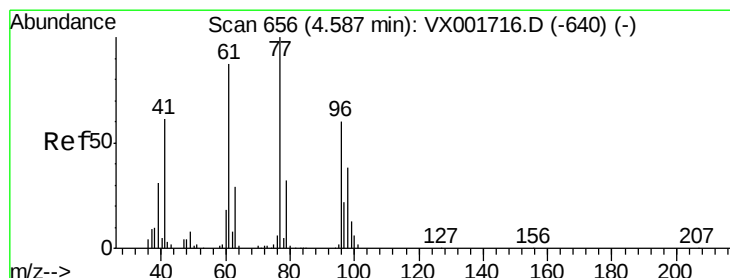
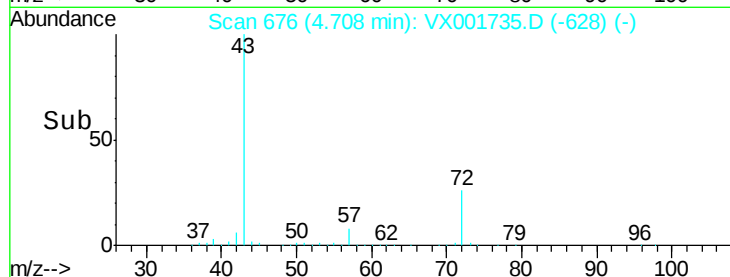
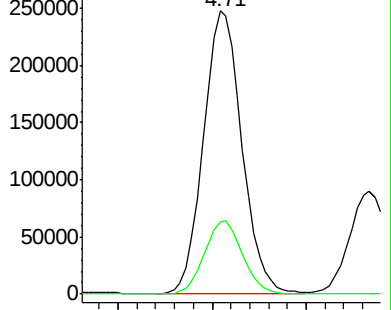
MMDadoda

5/16/2018 11:54:12 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 54.24 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX001735.D

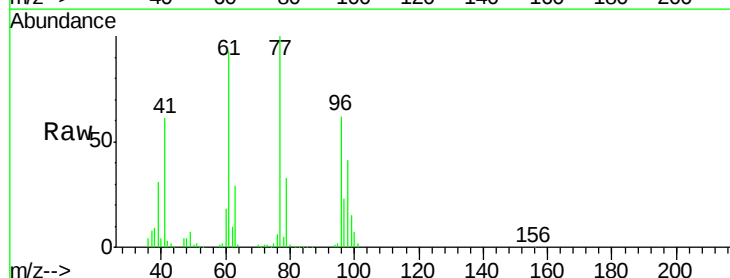
Acq: 15 May 2018 10:12

Tgt Ion: 77 Resp: 287430

Ion Ratio Lower Upper

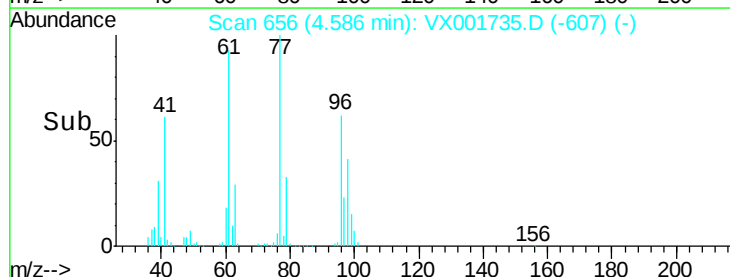
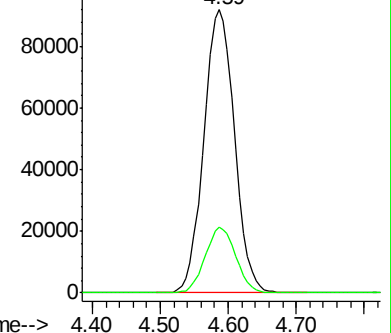
77 100

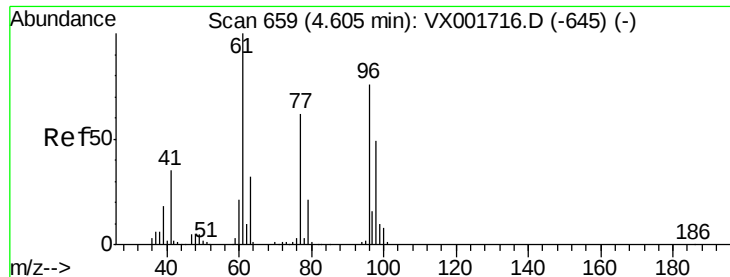
97 23.2 11.6 34.8



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

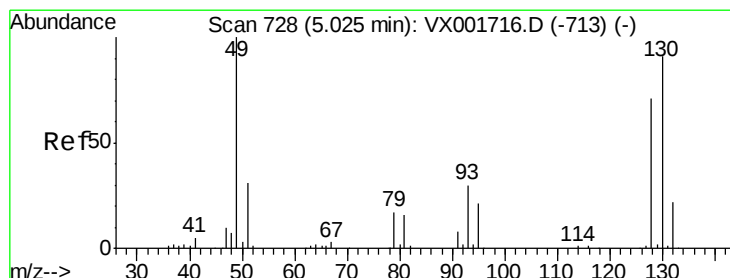
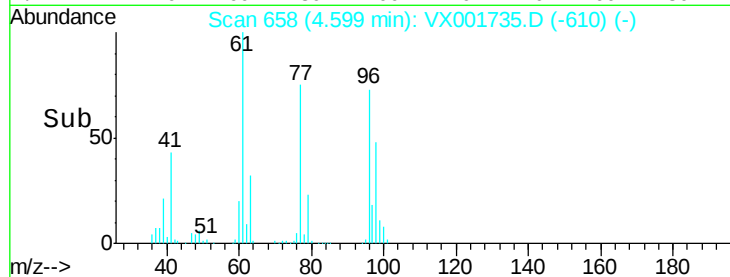
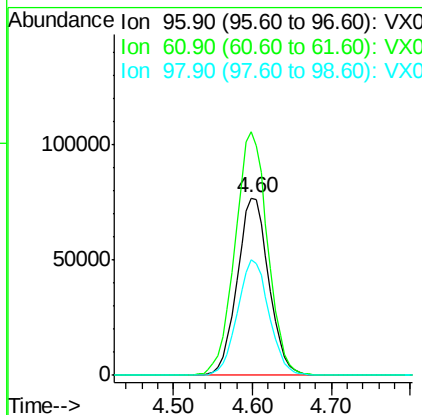
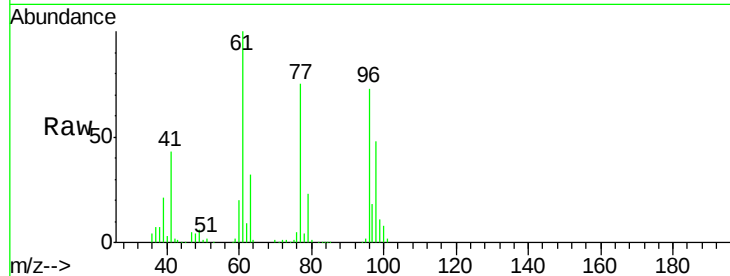
cis-1,2-Dichloroethene
 Concen: 50.60 ug/l
 RT: 4.60 min Scan# 658
 Delta R.T. -0.01 min
 Lab File: VX001735.D
 Acq: 15 May 2018 10:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	214704		
61	141.6	0.0	280.4	
98	65.2	0.0	128.4	

Manual Integrations
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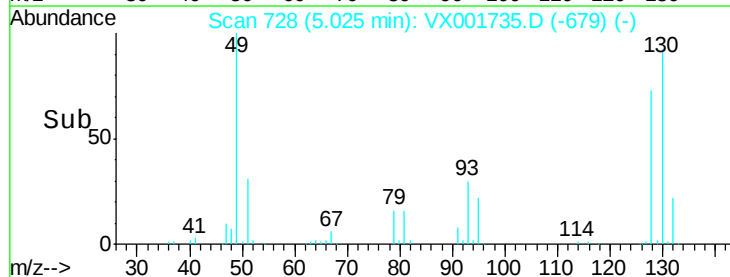
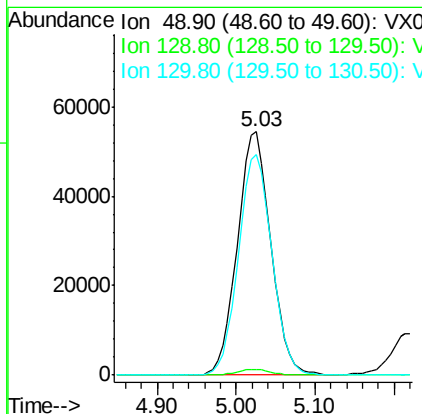
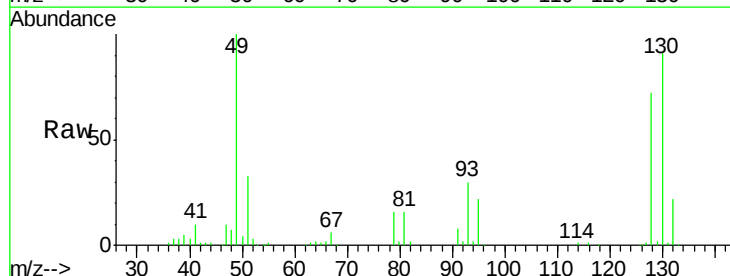
MMDadoda
 5/16/2018 11:54:12 AM

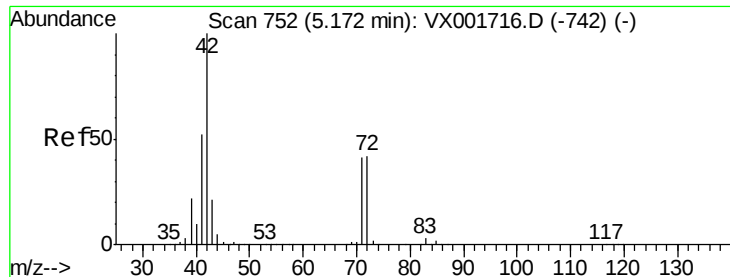


#28

Bromochloromethane
 Concen: 55.04 ug/l
 RT: 5.03 min Scan# 728
 Delta R.T. -0.00 min
 Lab File: VX001735.D
 Acq: 15 May 2018 10:12

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	160930		
129	2.5	0.0	5.0	
130	90.6	71.8	107.6	





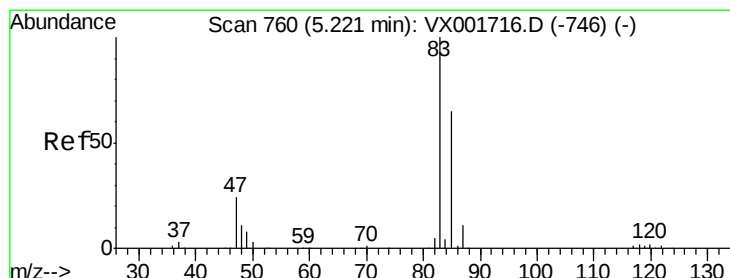
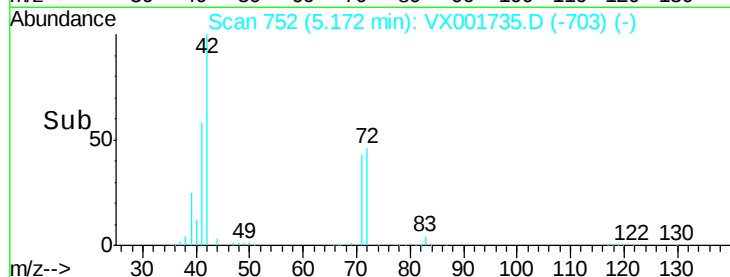
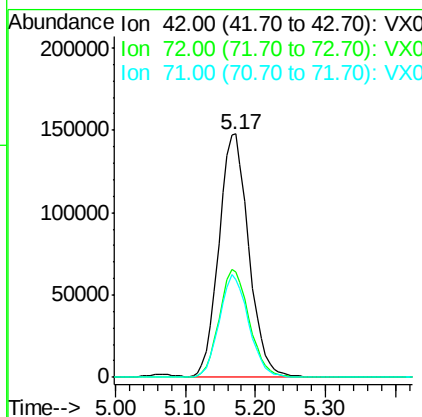
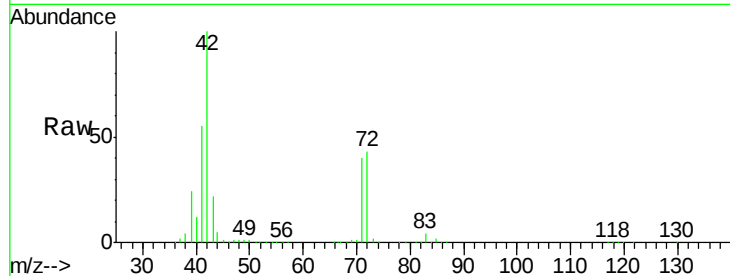
#29
Tetrahydrofuran
Concen: 242.97 ug/l
RT: 5.17 min Scan# 752
Delta R.T. -0.00 min
Lab File: VX001735.D
Acq: 15 May 2018 10:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.7	35.4	53.2
71	41.6	33.2	49.8

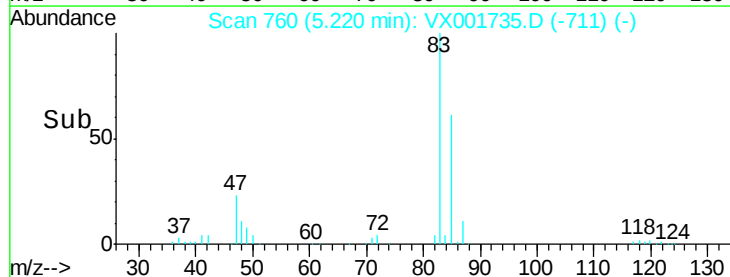
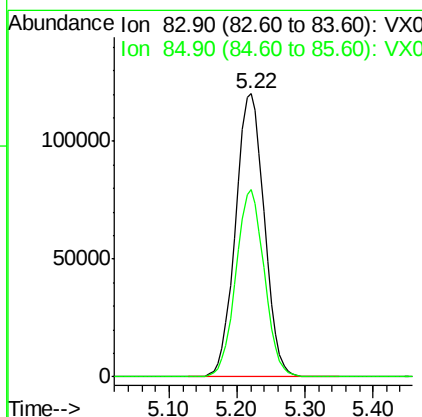
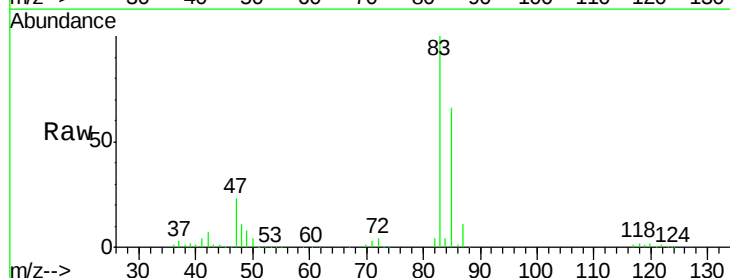
Manual Integrations
APPROVED

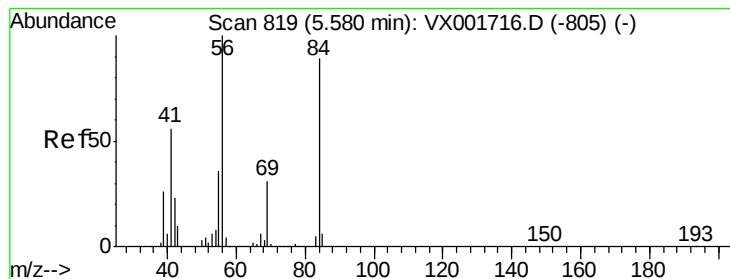
MMDadoda
5/16/2018 11:54:12 AM



#30
Chloroform
Concen: 51.18 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX001735.D
Acq: 15 May 2018 10:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.2	52.3	78.5





#31

Cyclohexane

Concen: 55.47 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX001735.D

Acq: 15 May 2018 10:12

Instrument :

MSVOA_X

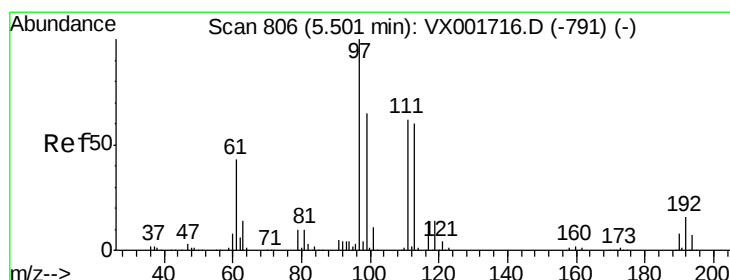
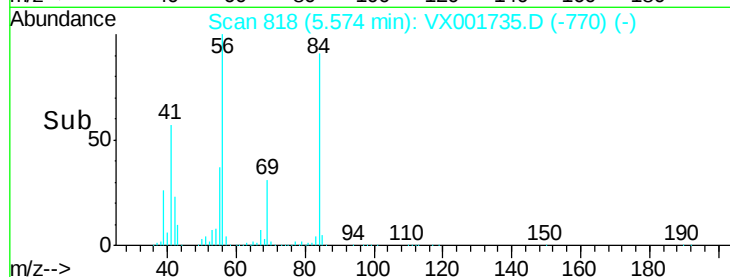
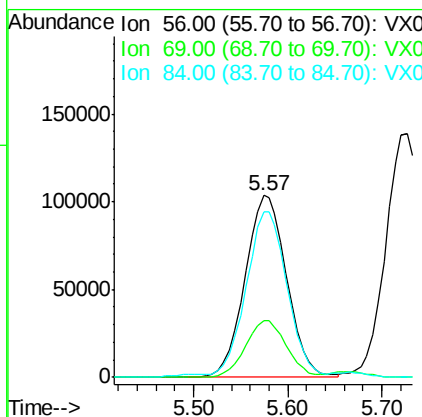
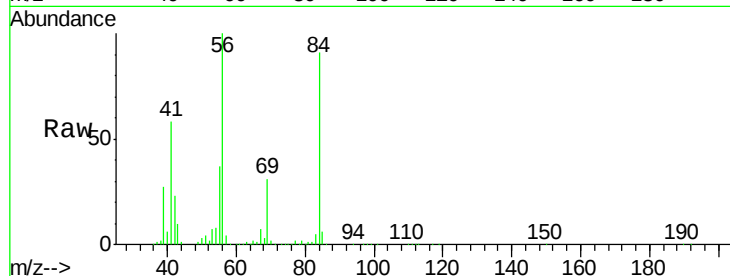
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	320044
Ion	Ratio	Lower	Upper
56	100		
69	31.2	25.0	37.6
84	89.8	71.0	106.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 53.21 ug/l

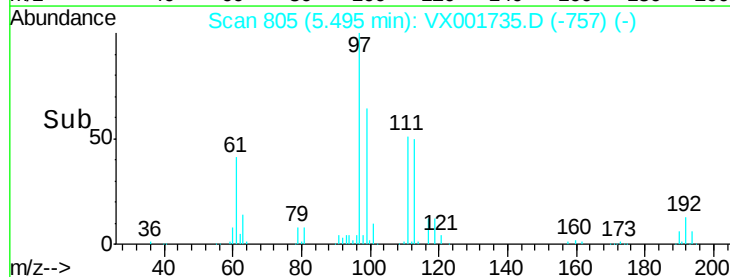
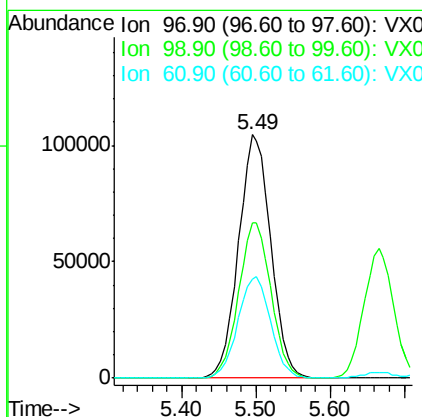
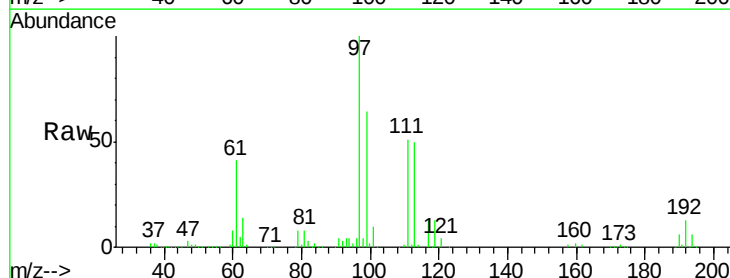
RT: 5.49 min Scan# 805

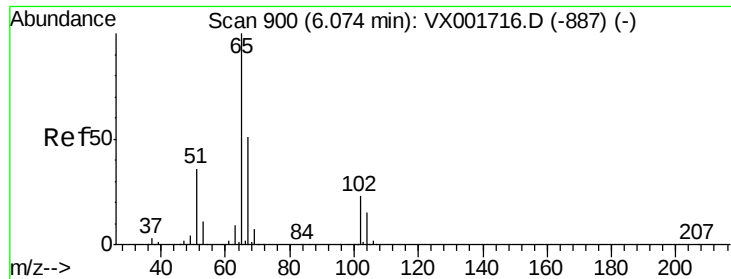
Delta R.T. -0.01 min

Lab File: VX001735.D

Acq: 15 May 2018 10:12

Tgt Ion:	97	Resp:	317964
Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.3	76.9
61	42.4	34.0	51.0





#33

1,2-Dichloroethane-d4

Concen: 46.19 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX001735.D

Acq: 15 May 2018 10:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 212050

Ion Ratio Lower Upper

65 100

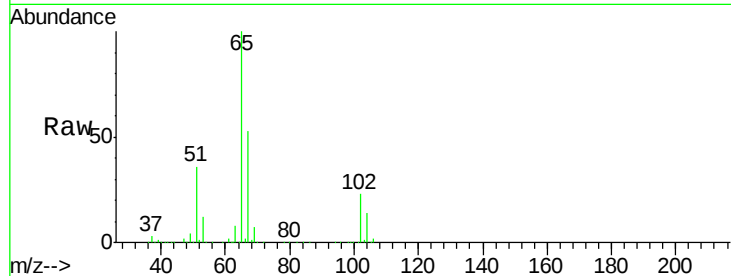
67 51.5 0.0 102.8

Manual Integrations

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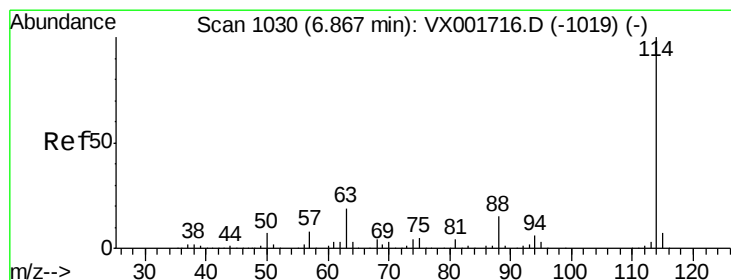
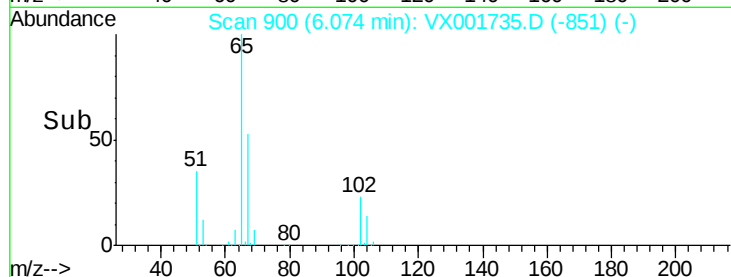
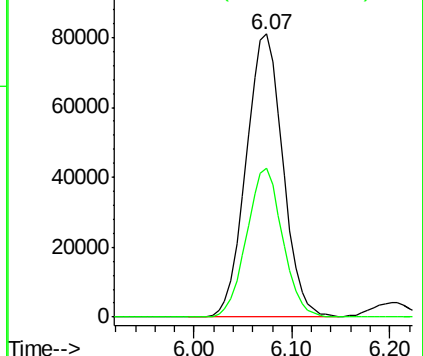
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX001735.D

Acq: 15 May 2018 10:12

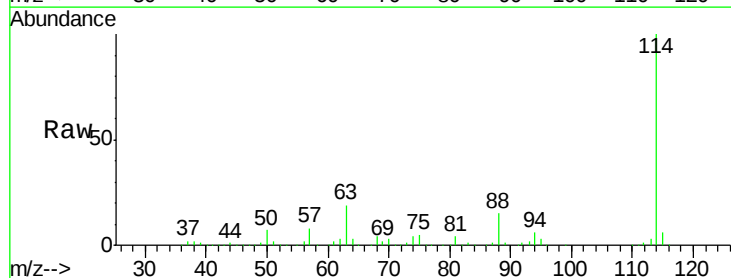
Tgt Ion: 114 Resp: 429533

Ion Ratio Lower Upper

114 100

63 19.0 0.0 37.0

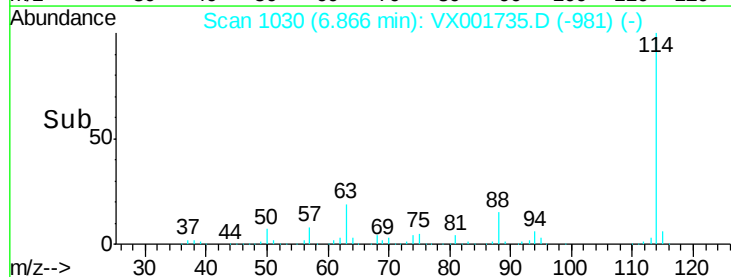
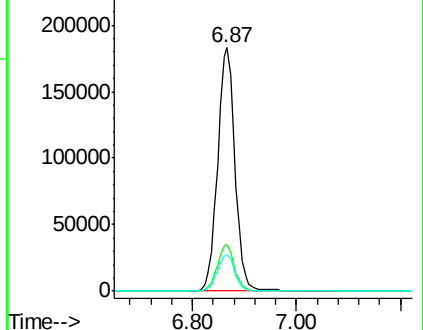
88 14.8 0.0 29.8

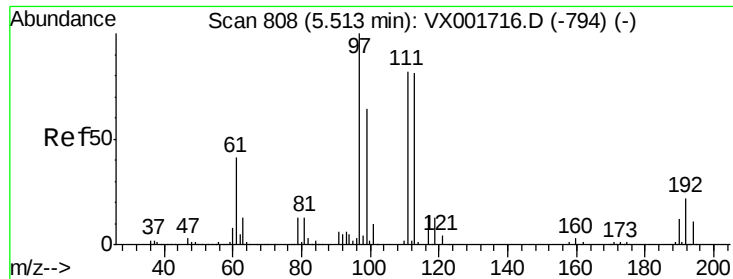


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





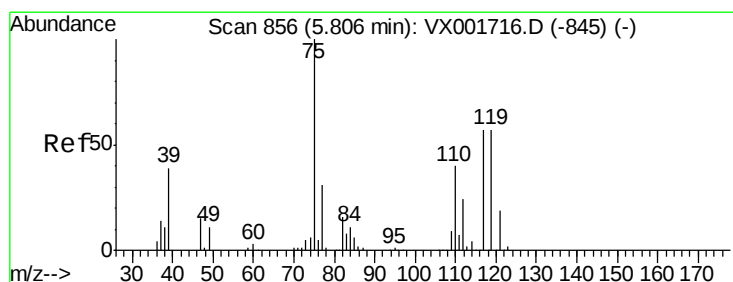
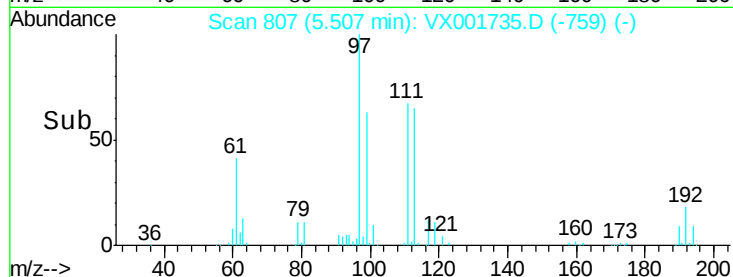
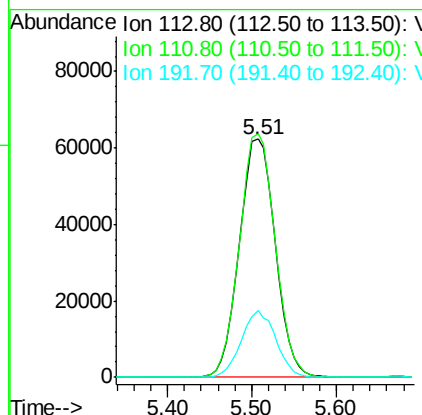
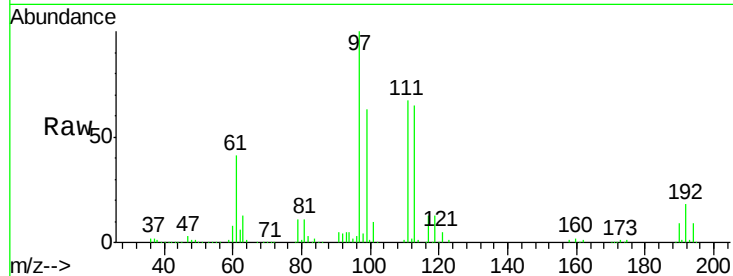
#35
Dibromofluoromethane
Concen: 49.70 ug/l
RT: 5.51 min Scan# 807
Delta R.T. -0.01 min
Lab File: VX001735.D
Acq: 15 May 2018 10:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	180171		
111	101.7	82.0	123.0	
192	27.0	21.6	32.4	

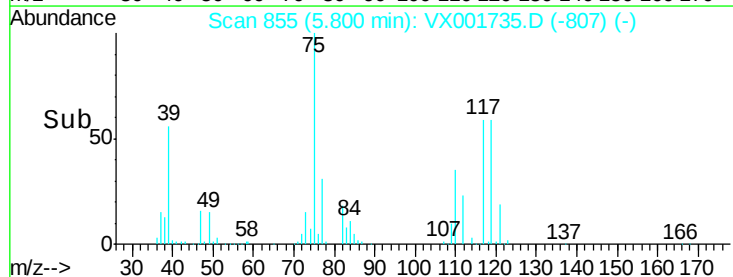
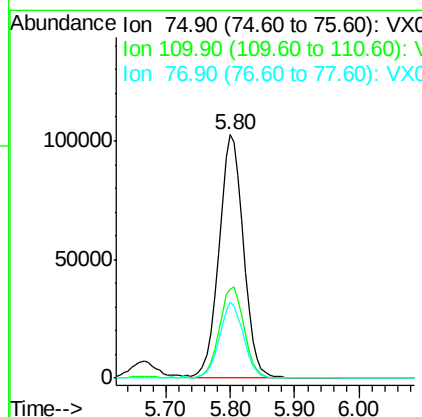
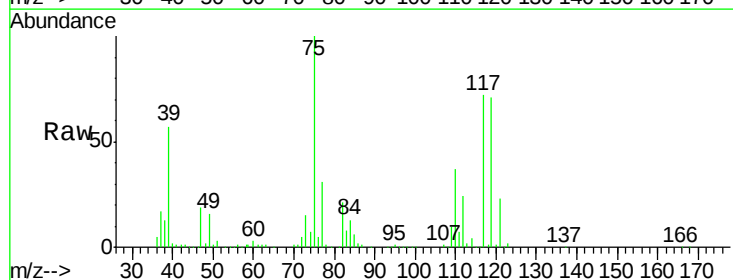
Manual Integrations
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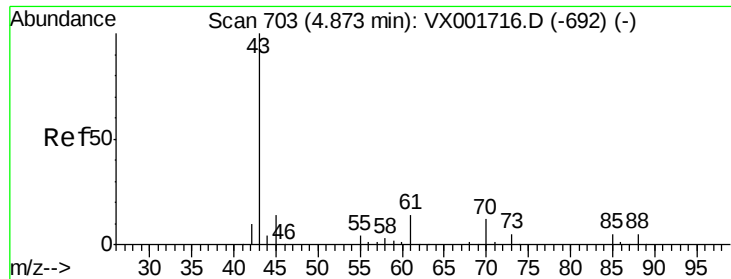
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#36
1,1-Dichloropropene
Concen: 55.51 ug/l
RT: 5.80 min Scan# 855
Delta R.T. -0.01 min
Lab File: VX001735.D
Acq: 15 May 2018 10:12

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	274504		
110	38.1	19.1	57.1	
77	30.5	24.6	37.0	





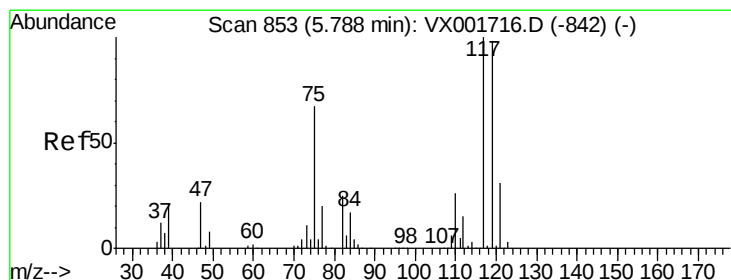
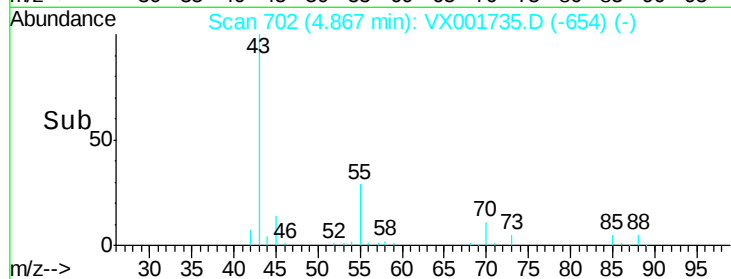
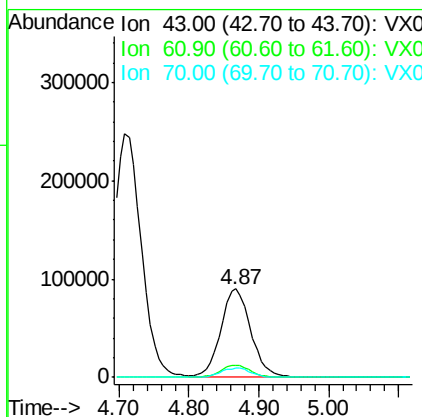
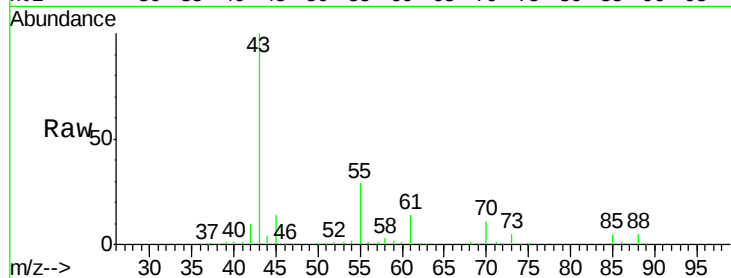
#37
Ethyl Acetate
Concen: 51.55 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.01 min
Lab File: VX001735.D
Acq: 15 May 2018 10:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	43	Resp:	265618
Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.9	16.3
70	10.8	8.8	13.2

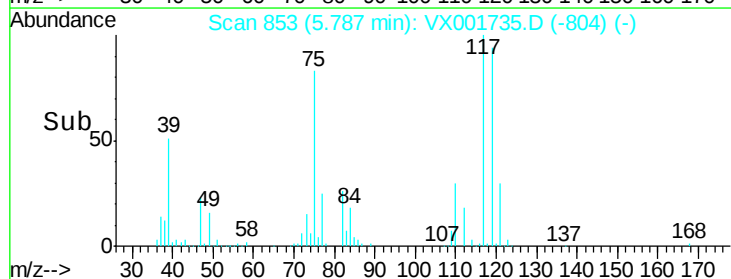
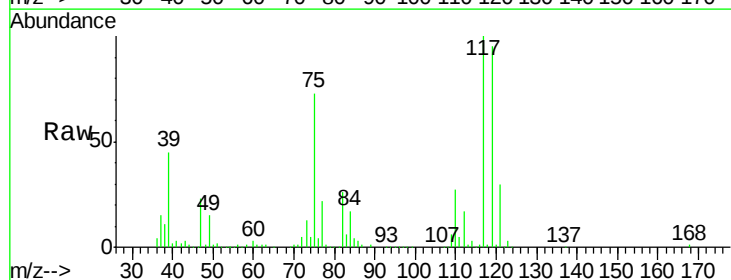
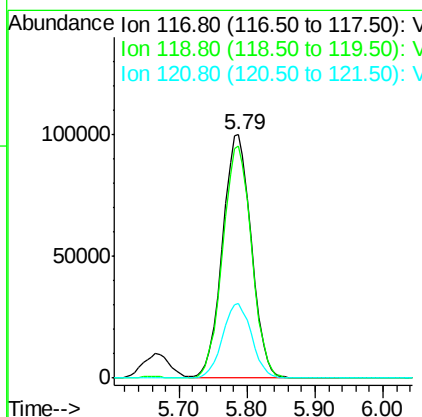
Manual Integrations
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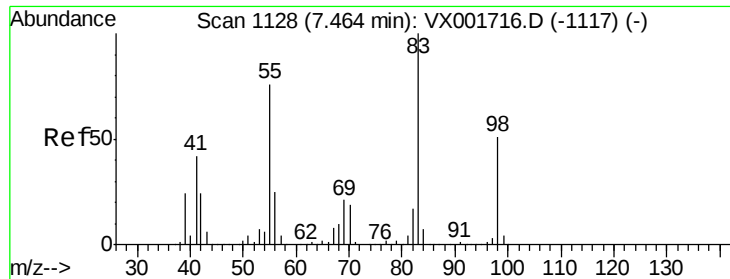
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#38
Carbon Tetrachloride
Concen: 56.52 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX001735.D
Acq: 15 May 2018 10:12

Tgt Ion:	117	Resp:	292766
Ion	Ratio	Lower	Upper
117	100		
119	95.4	77.6	116.4
121	30.5	24.6	36.8





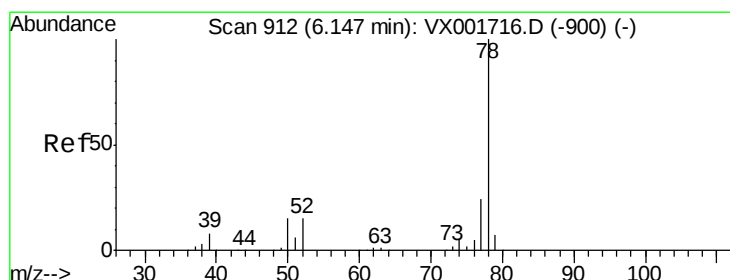
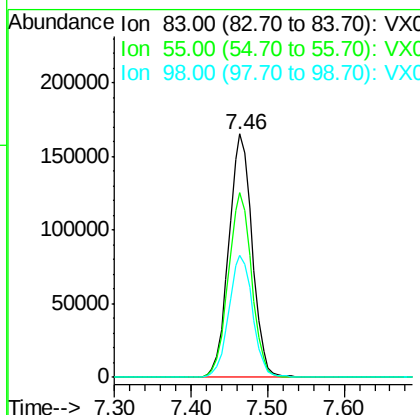
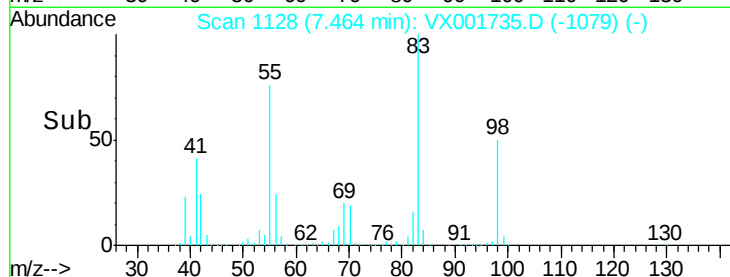
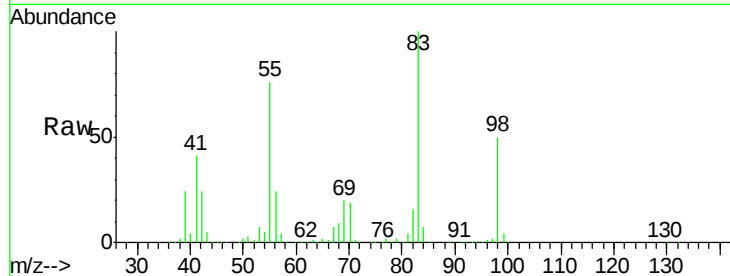
#39
Methvlcvclohexane
Concen: 60.48 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX001735.D
Acq: 15 May 2018 10:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	349407		
55	75.7	60.6	90.8	
98	50.0	40.4	60.6	

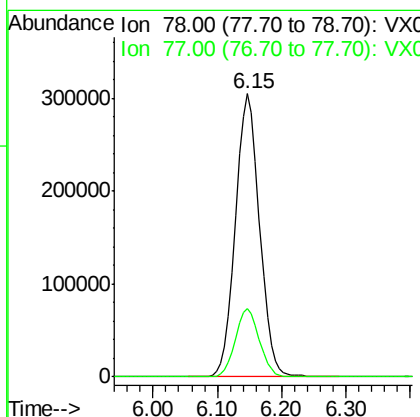
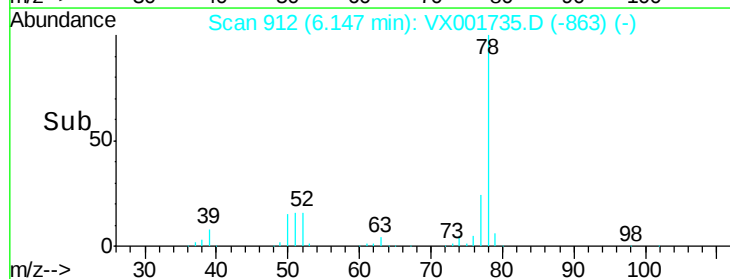
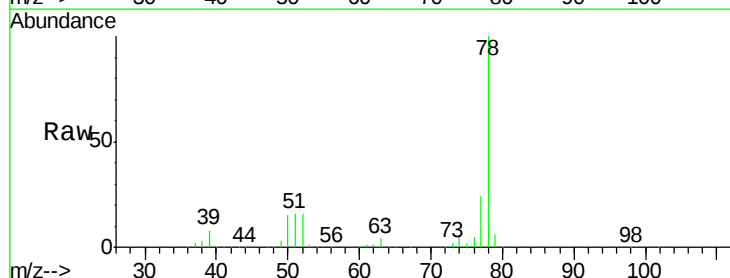
Manual Integrations
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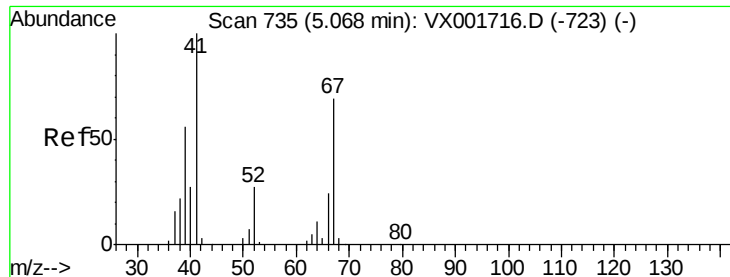
MMDadoda
5/16/2018 11:54:12 AM



#40
Benzene
Concen: 54.59 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX001735.D
Acq: 15 May 2018 10:12

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	795251		
77	24.4	19.0	28.4	





#41

Methacrylonitrile

Concen: 52.02 ug/l

RT: 5.07 min Scan# 735

Delta R.T. -0.00 min

Lab File: VX001735.D

Acq: 15 May 2018 10:12

Instrument :

MSVOA_X

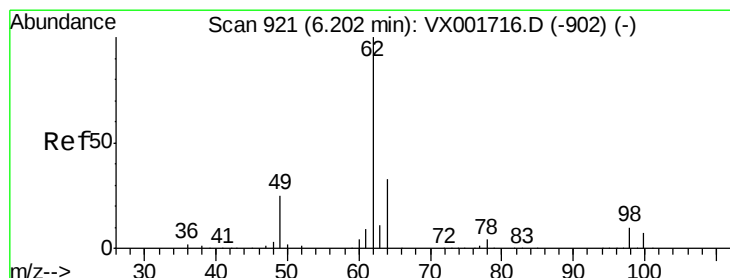
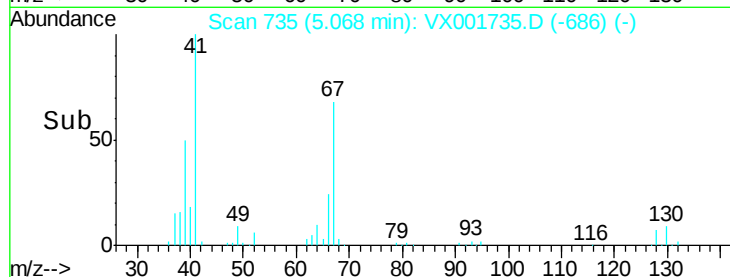
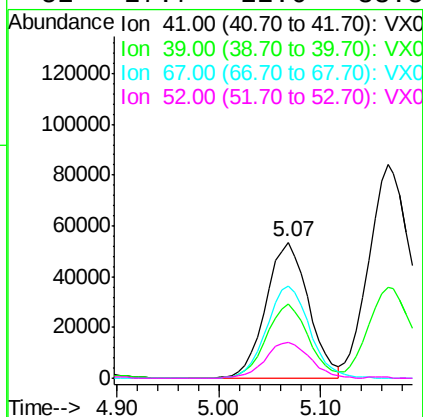
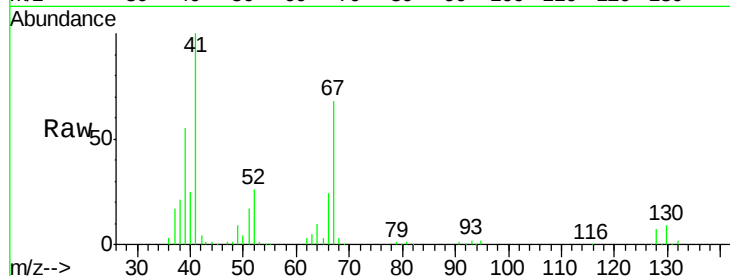
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	53.9	44.2	66.4		
67	68.9	56.0	84.0		
52	27.7	22.6	33.8		

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 53.07 ug/l

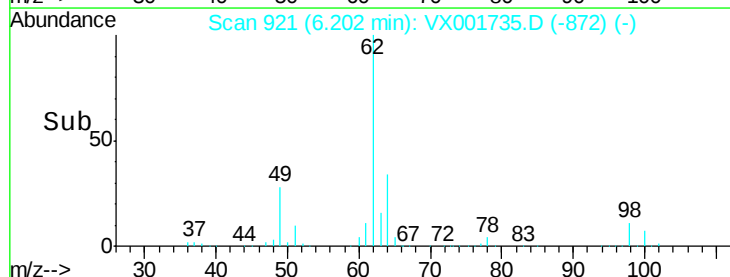
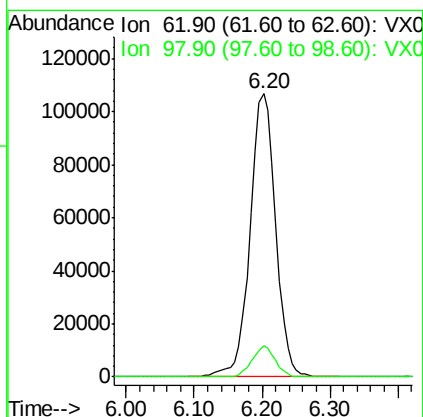
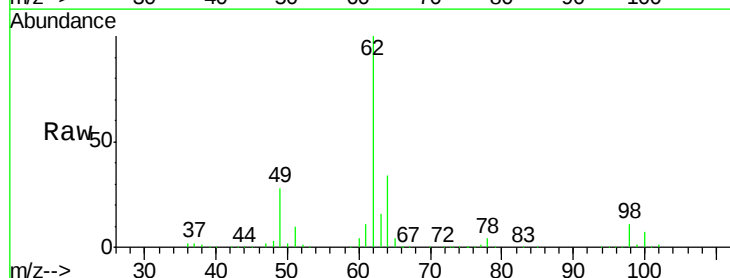
RT: 6.20 min Scan# 921

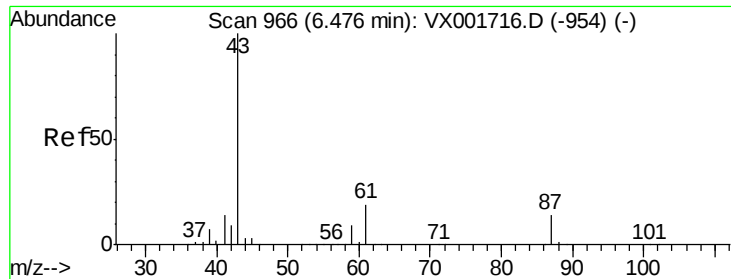
Delta R.T. -0.00 min

Lab File: VX001735.D

Acq: 15 May 2018 10:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	10.1	0.0	20.0		





#43

Isopropyl Acetate

Concen: 53.22 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX001735.D

Acq: 15 May 2018 10:12

Instrument :

MSVOA_X

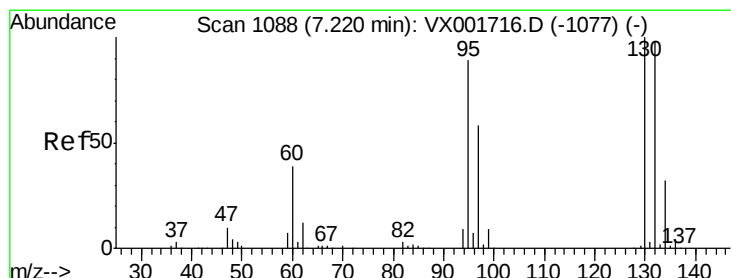
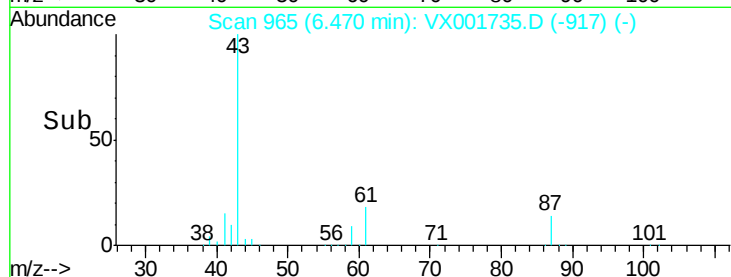
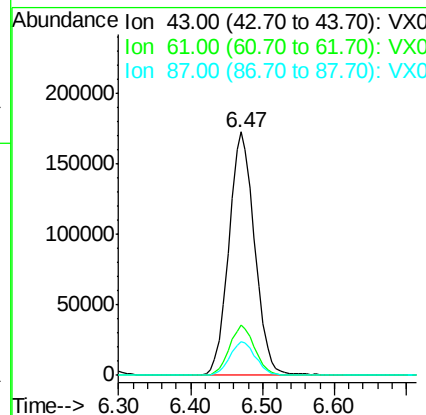
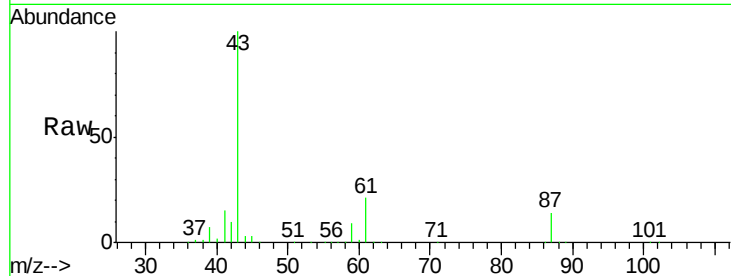
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	429248
Ion	Ratio	Lower	Upper
43	100		
61	20.1	15.8	23.8
87	13.6	11.0	16.4

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#44

Trichloroethene

Concen: 54.86 ug/l

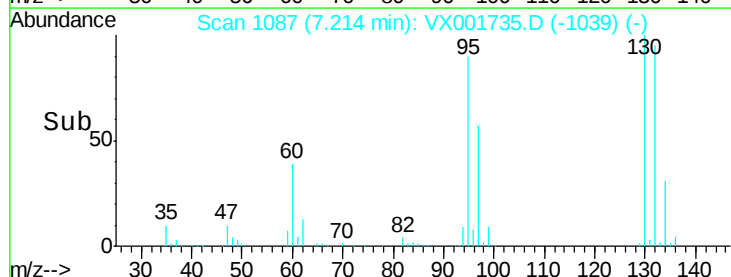
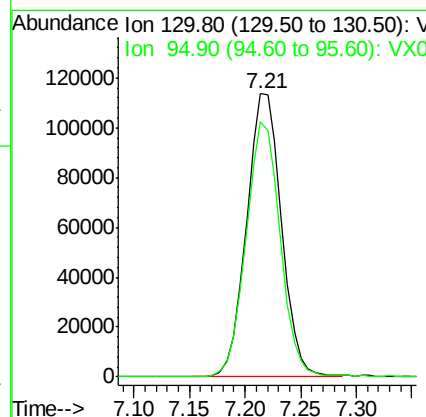
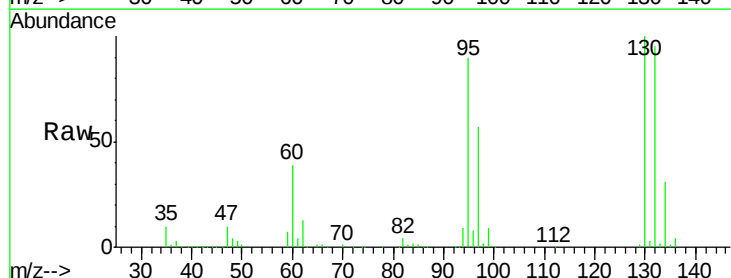
RT: 7.21 min Scan# 1087

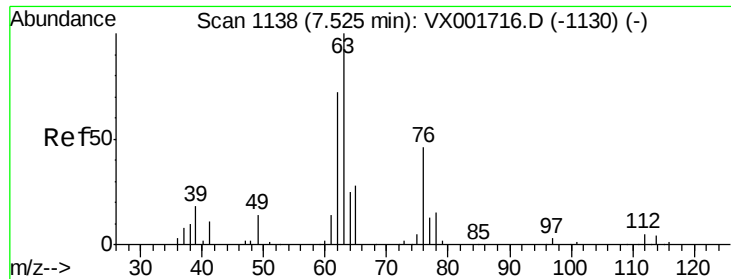
Delta R.T. -0.01 min

Lab File: VX001735.D

Acq: 15 May 2018 10:12

Tgt Ion:	130	Resp:	248059
Ion	Ratio	Lower	Upper
130	100		
95	90.3	0.0	177.2





#45

1,2-Dichloropropane

Concen: 54.91 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.01 min

Lab File: VX001735.D

Acq: 15 May 2018 10:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 196305

Ion Ratio Lower Upper

63 100

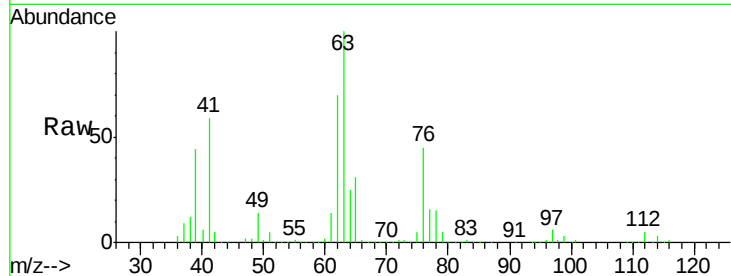
65 30.6 24.2 36.2

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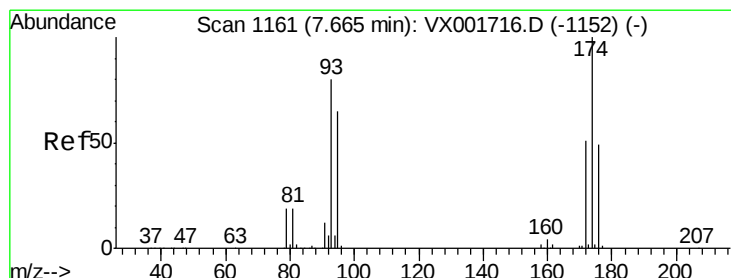
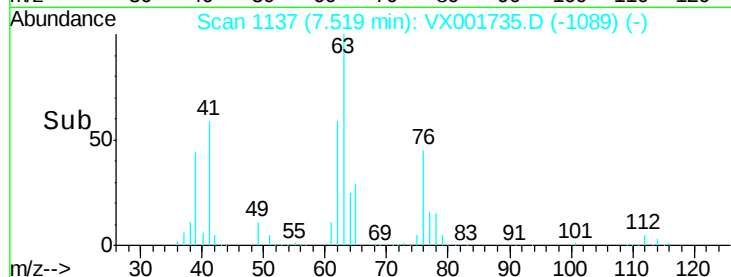
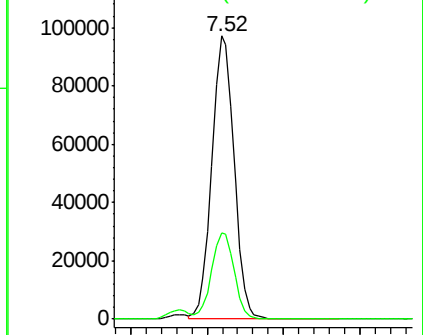
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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 53.08 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VX001735.D

Acq: 15 May 2018 10:12

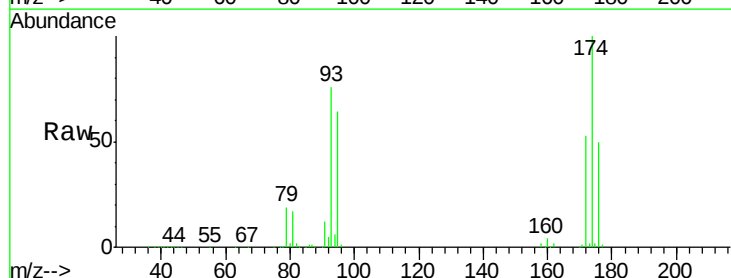
Tgt Ion: 93 Resp: 133237

Ion Ratio Lower Upper

93 100

95 83.7 65.9 98.9

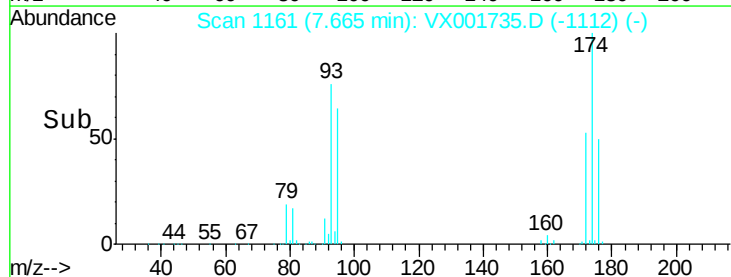
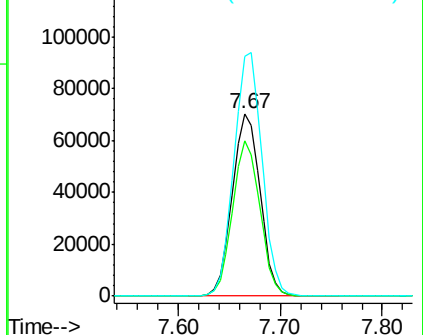
174 134.5 106.2 159.2



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 57.41 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX001735.D

Acq: 15 May 2018 10:12

Instrument :

MSVOA_X

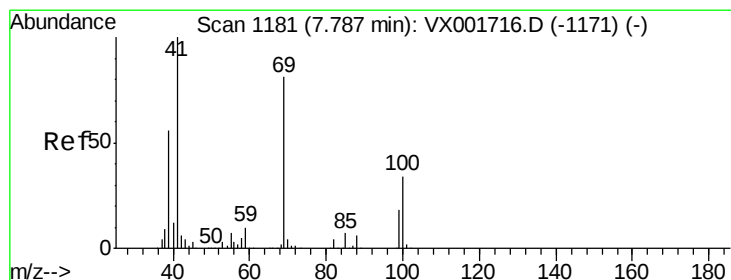
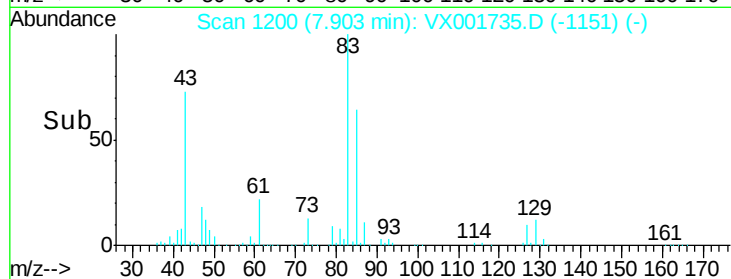
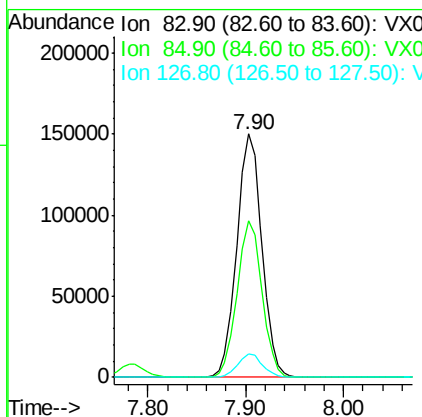
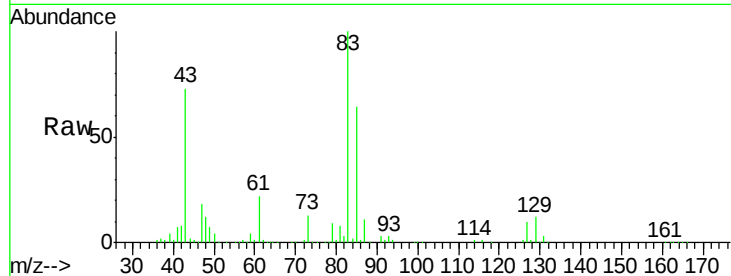
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	267416
Ion	Ratio	Lower	Upper
83	100		
85	64.3	49.6	74.4
127	9.6	7.5	11.3

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#48

Methyl methacrylate

Concen: 54.26 ug/l

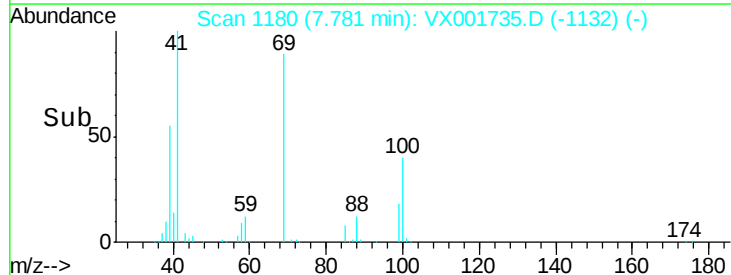
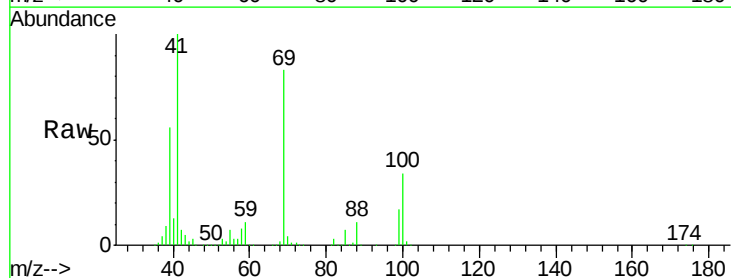
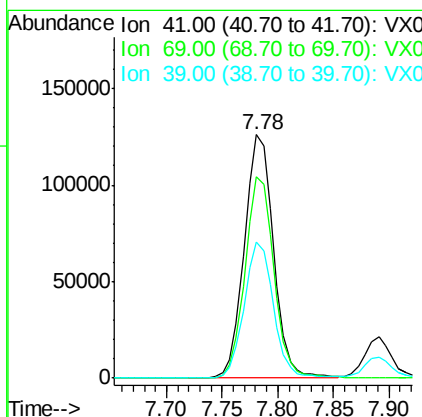
RT: 7.78 min Scan# 1180

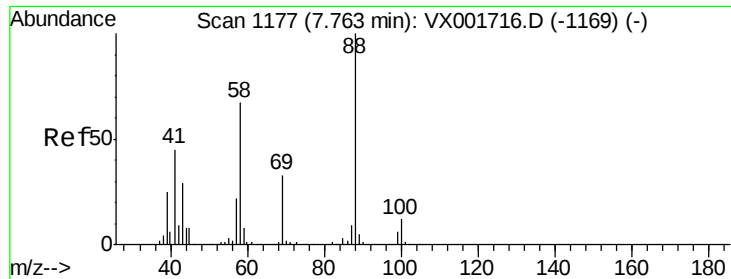
Delta R.T. -0.01 min

Lab File: VX001735.D

Acq: 15 May 2018 10:12

Tgt Ion:	41	Resp:	230351
Ion	Ratio	Lower	Upper
41	100		
69	82.3	65.2	97.8
39	55.7	44.5	66.7





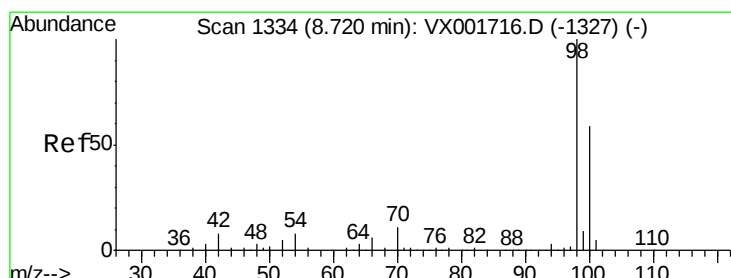
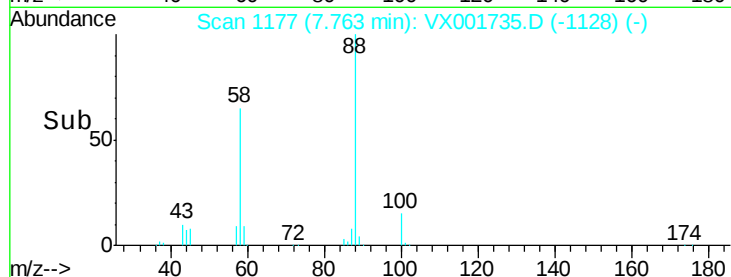
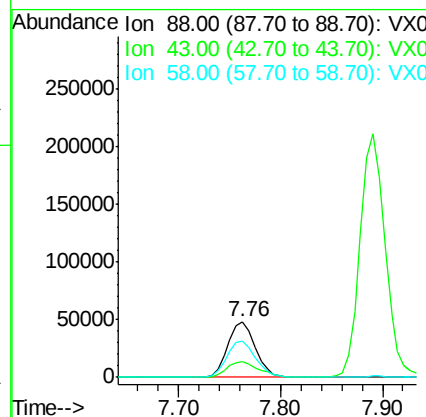
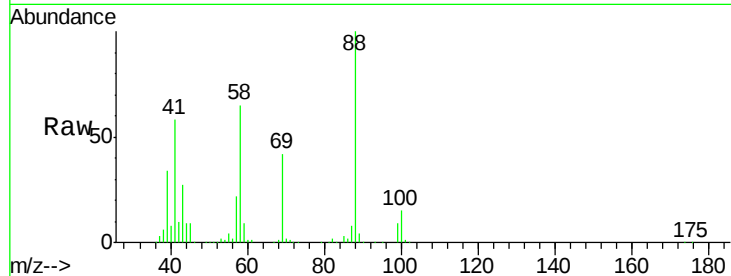
#49
1,4-Dioxane
Concen: 1106.78 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VX001735.D
Acq: 15 May 2018 10:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.2	27.3	40.9
58	68.8	55.9	83.9

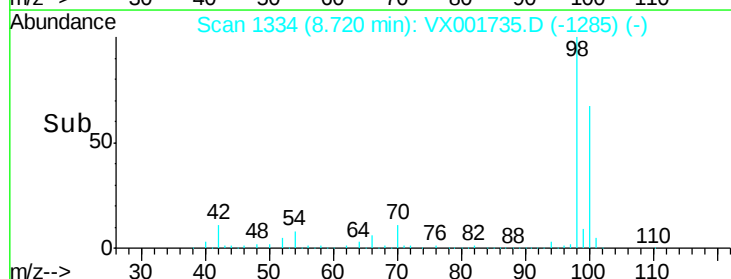
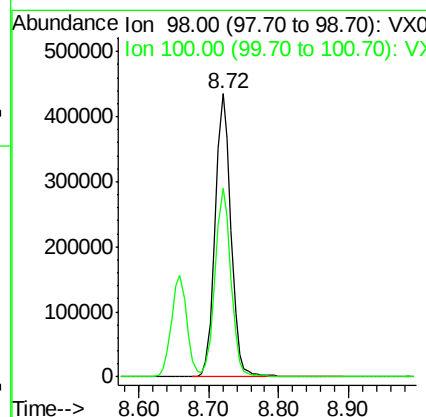
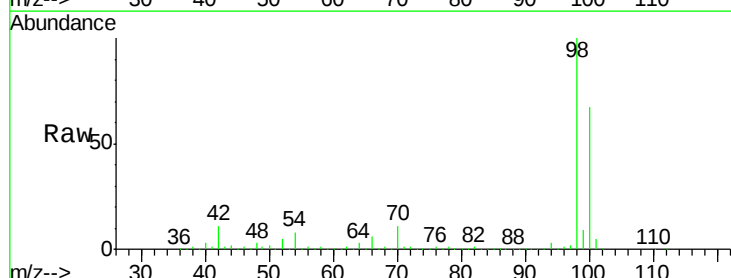
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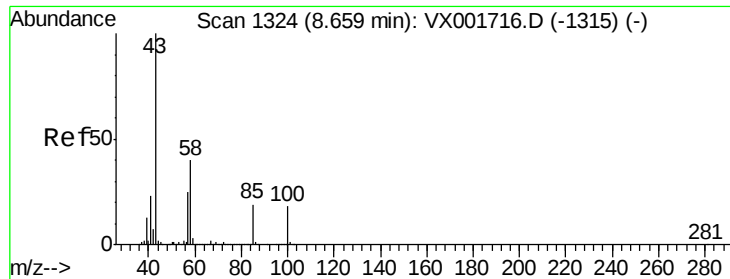
MMDadoda
5/16/2018 11:54:12 AM



#50
Toluene-d8
Concen: 52.80 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX001735.D
Acq: 15 May 2018 10:12

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.1	54.0	81.0





#51

4-Methyl-2-Pentanone

Concen: 270.83 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VX001735.D

Acq: 15 May 2018 10:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1384241

Ion Ratio Lower Upper

43 100

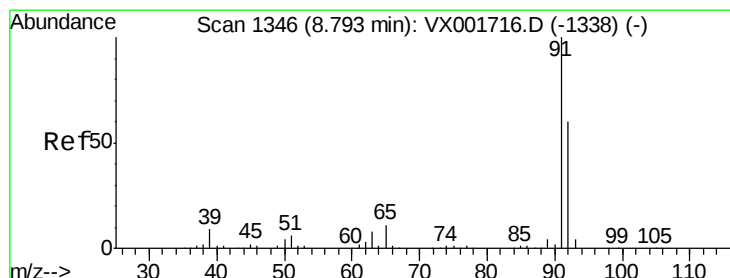
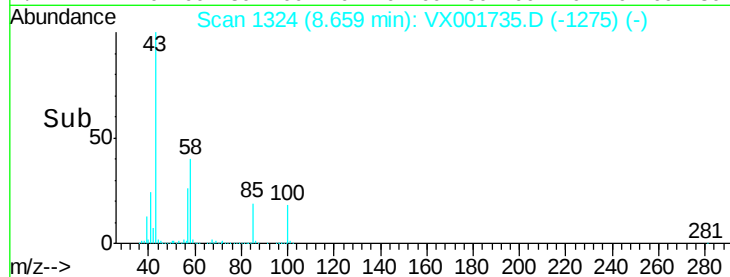
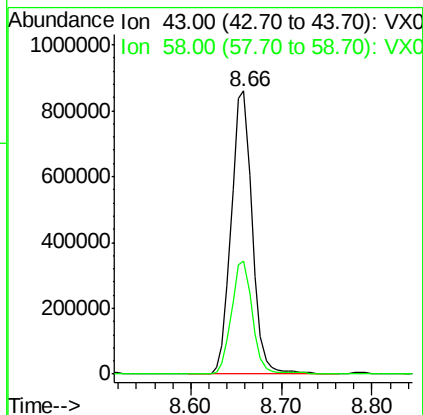
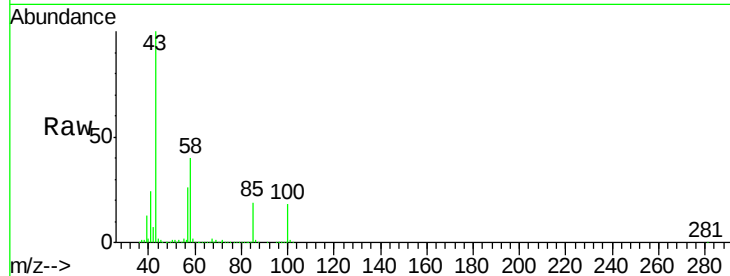
58 39.4 31.4 47.0

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#52

Toluene

Concen: 56.64 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.01 min

Lab File: VX001735.D

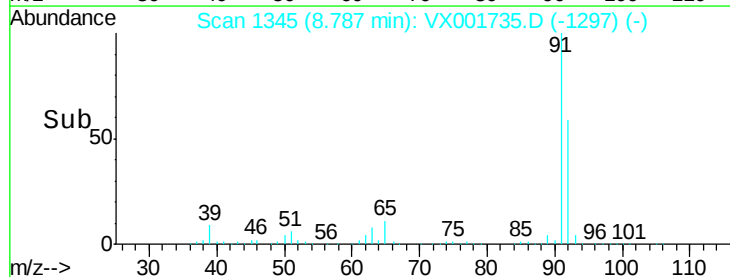
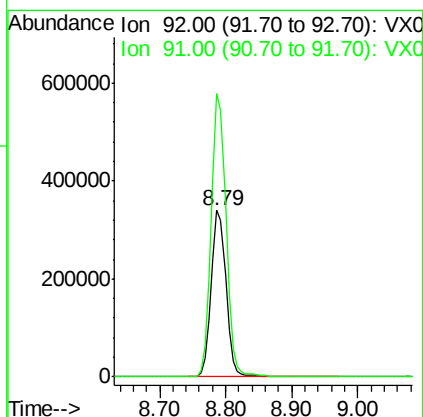
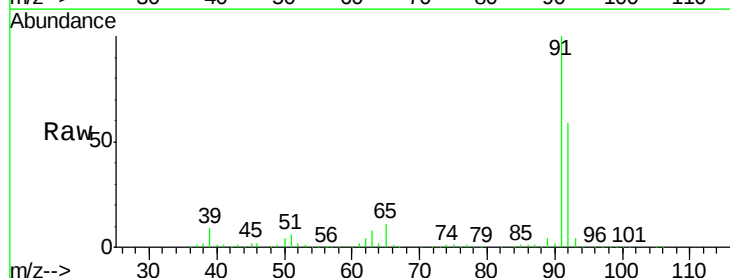
Acq: 15 May 2018 10:12

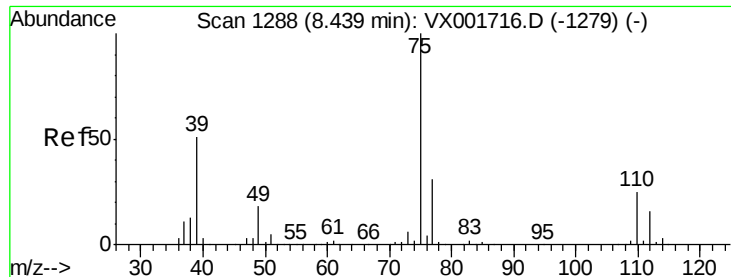
Tgt Ion: 92 Resp: 530243

Ion Ratio Lower Upper

92 100

91 170.1 135.5 203.3





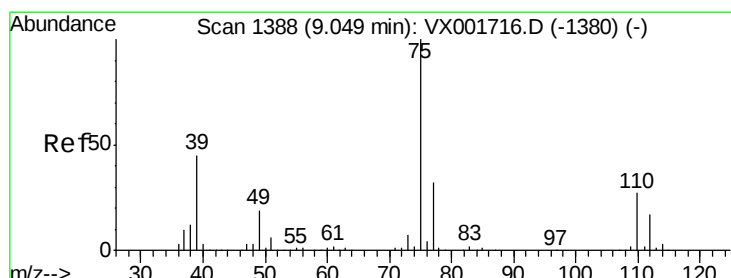
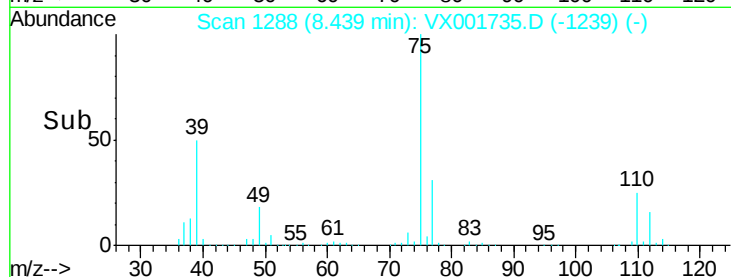
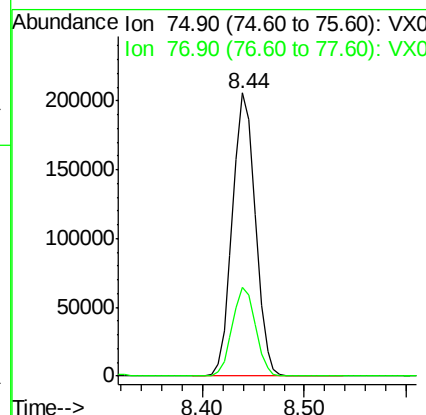
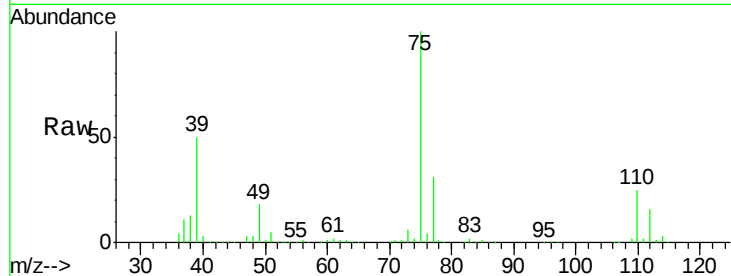
#53
t-1,3-Dichloropropene
Concen: 58.64 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VX001735.D
Acq: 15 May 2018 10:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 321382
Ion Ratio Lower Upper
75 100
77 31.3 25.0 37.6

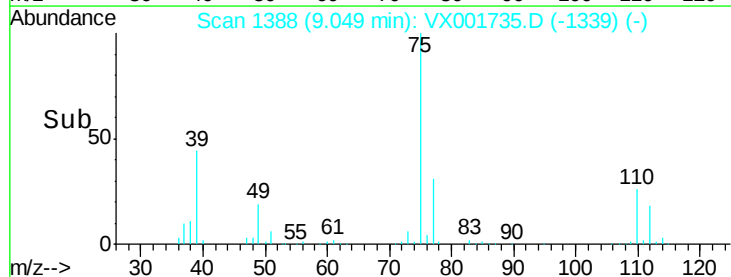
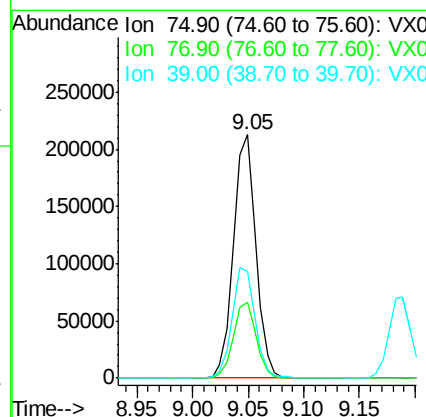
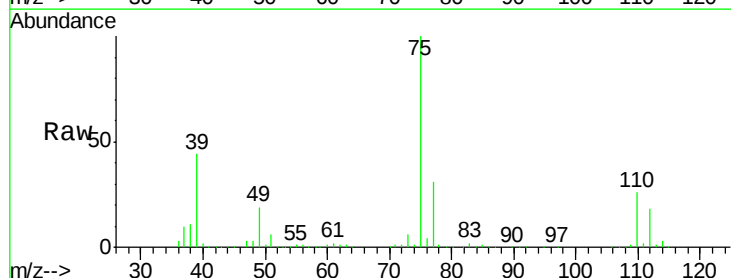
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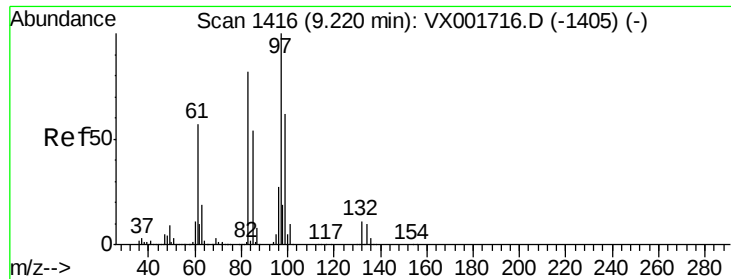
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#54
cis-1,3-Dichloropropene
Concen: 61.43 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. -0.00 min
Lab File: VX001735.D
Acq: 15 May 2018 10:12

Tgt Ion: 75 Resp: 296759
Ion Ratio Lower Upper
75 100
77 31.4 25.4 38.2
39 43.8 36.1 54.1





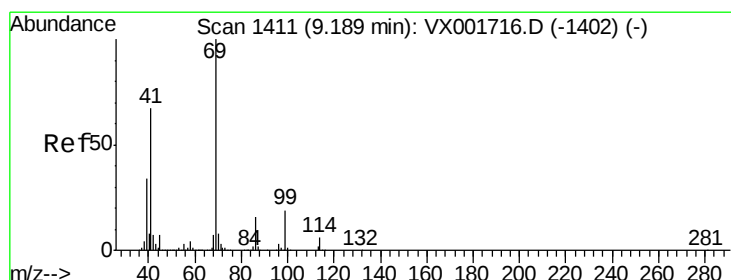
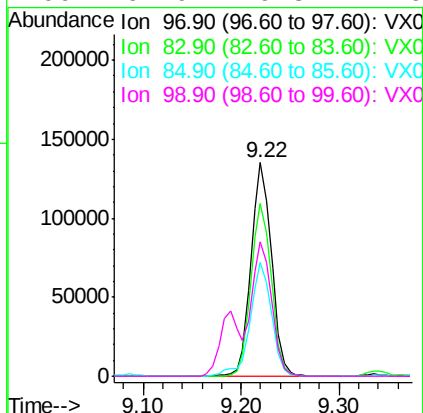
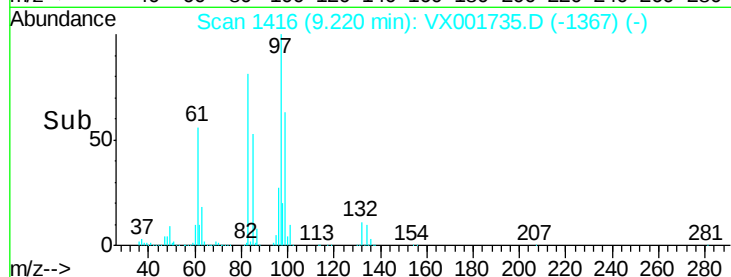
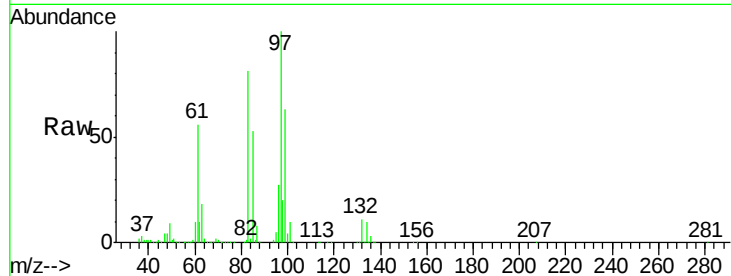
#55
 1,1,2-Trichloroethane
 Concen: 55.00 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX001735.D
 Acq: 15 May 2018 10:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		196819		
83	81.0	65.8	98.8		
85	53.4	43.4	65.0		
99	62.9	49.8	74.6		

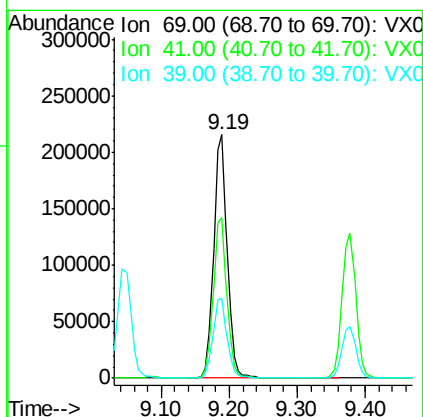
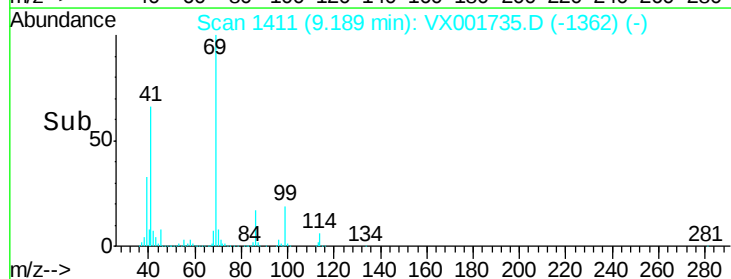
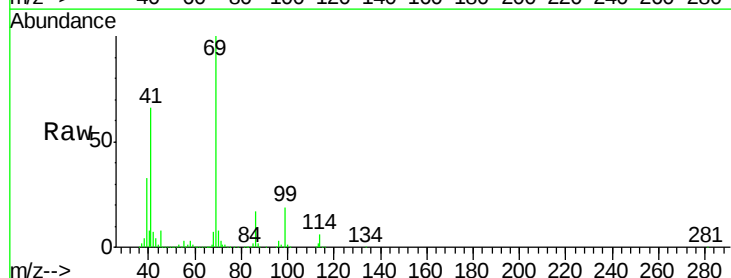
Manual Integrations
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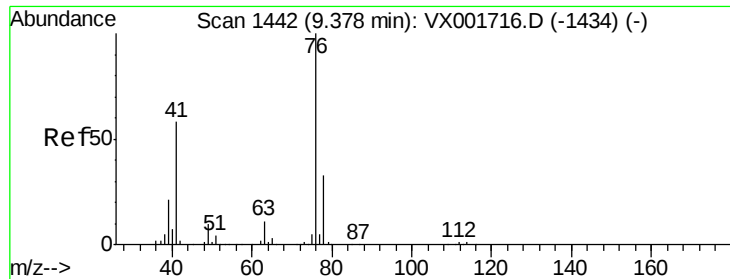
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#56
 Ethyl methacrylate
 Concen: 58.82 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. -0.00 min
 Lab File: VX001735.D
 Acq: 15 May 2018 10:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		298497		
41	66.4	53.5	80.3		
39	34.0	27.2	40.8		





#57

1,3-Dichloropropane

Concen: 52.46 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX001735.D

Acq: 15 May 2018 10:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 314275

Ion Ratio Lower Upper

76 100

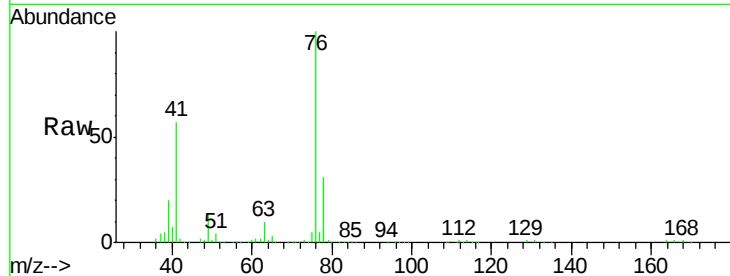
78 32.2 25.8 38.6

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.38

250000

200000

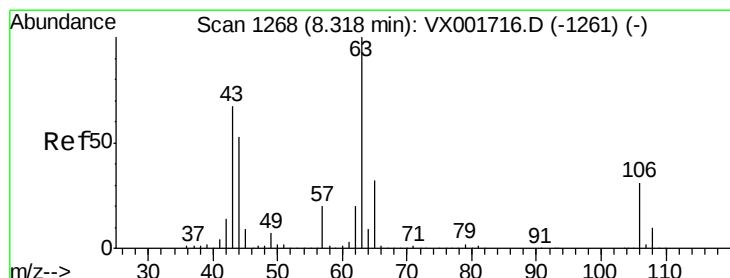
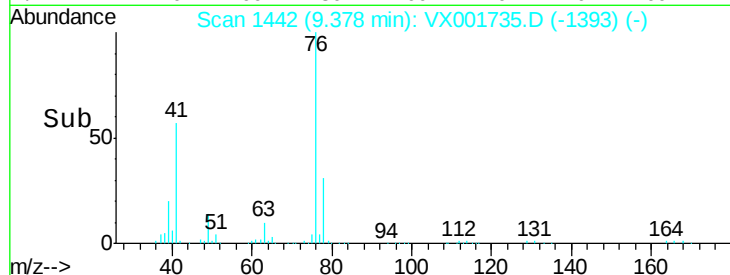
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 298.42 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VX001735.D

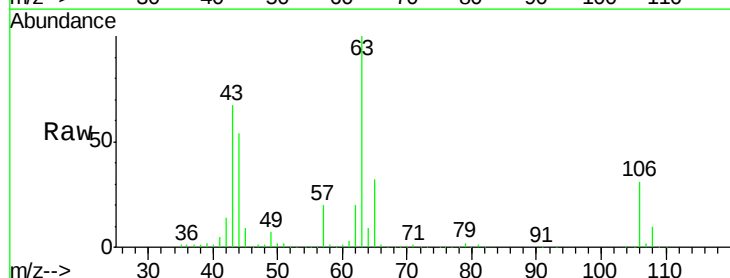
Acq: 15 May 2018 10:12

Tgt Ion: 63 Resp: 778968

Ion Ratio Lower Upper

63 100

106 31.4 25.1 37.7



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.32

600000

500000

400000

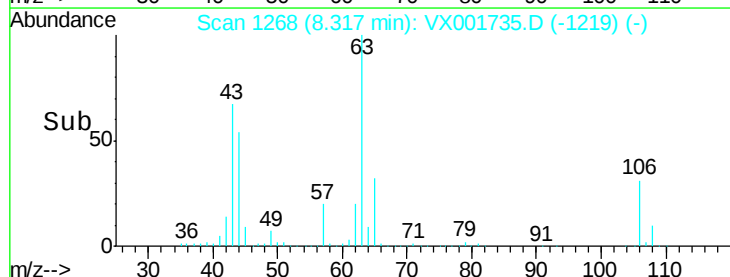
300000

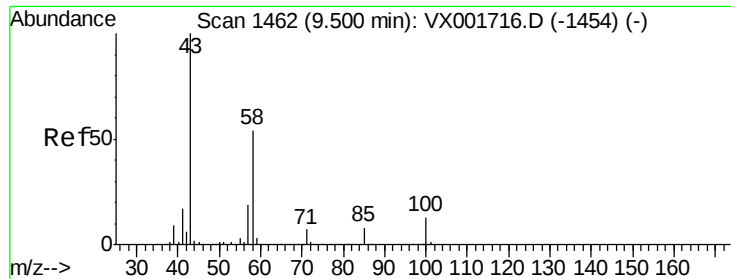
200000

100000

0

Time-->





#59

2-Hexanone

Concen: 272.46 ug/l

RT: 9.50 min Scan# 1462

Delta R.T. -0.00 min

Lab File: VX001735.D

Acq: 15 May 2018 10:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 996851

Ion Ratio Lower Upper

43 100

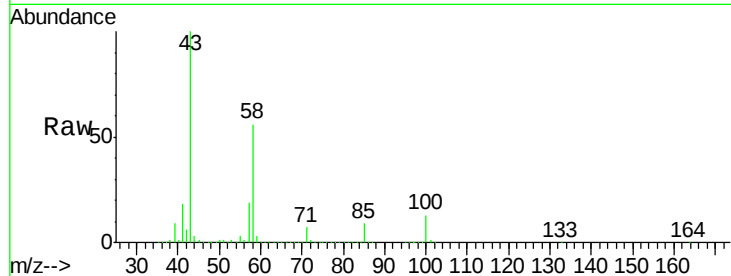
58 55.7 27.7 83.1

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Abundance Ion 43.00 (42.70 to 43.70): VX001716.D (-1454) (-)

Ion 58.00 (57.70 to 58.70): VX001716.D (-1454) (-)

9.50

800000

600000

400000

200000

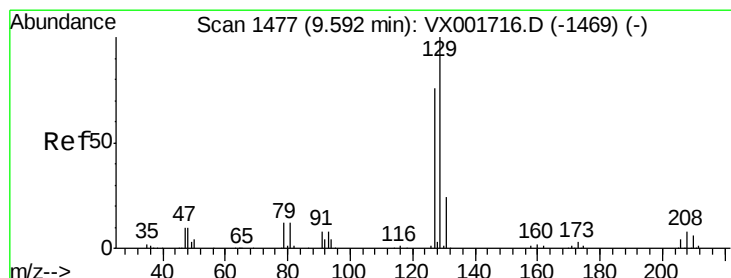
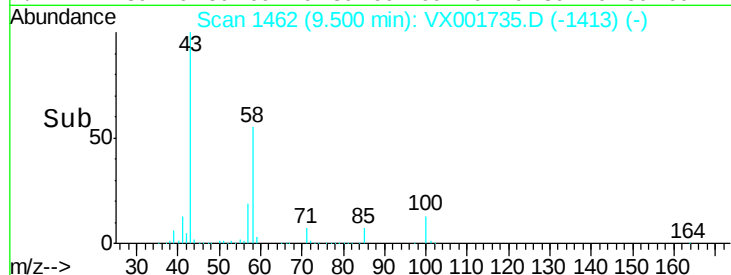
0

Time-->

9.40

9.50

9.60



#60

Dibromochloromethane

Concen: 57.75 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. -0.01 min

Lab File: VX001735.D

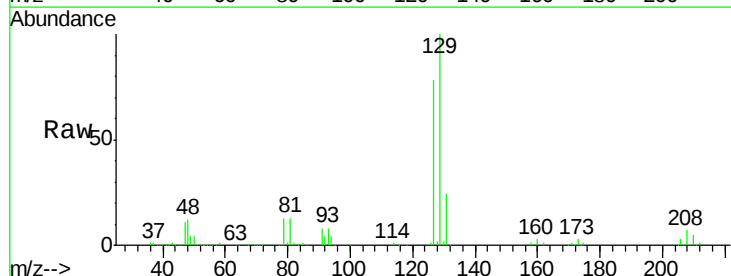
Acq: 15 May 2018 10:12

Tgt Ion: 129 Resp: 211599

Ion Ratio Lower Upper

129 100

127 76.7 38.7 116.1



Abundance Ion 128.80 (128.50 to 129.50): VX001716.D (-1469) (-)

Ion 126.80 (126.50 to 127.50): VX001716.D (-1469) (-)

9.59

150000

100000

50000

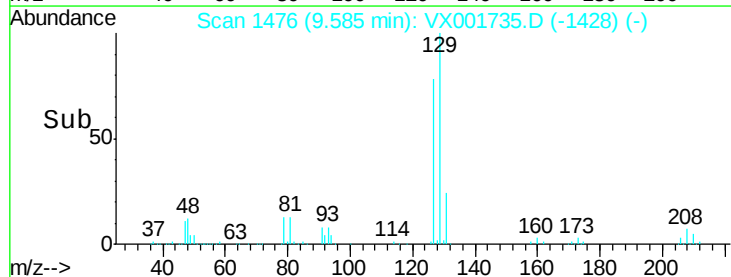
0

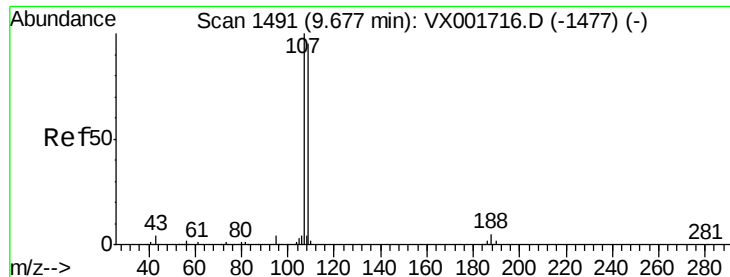
Time-->

9.50

9.60

9.70





#61

1,2-Dibromoethane

Concen: 53.49 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX001735.D

Acq: 15 May 2018 10:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 200374

Ion Ratio Lower Upper

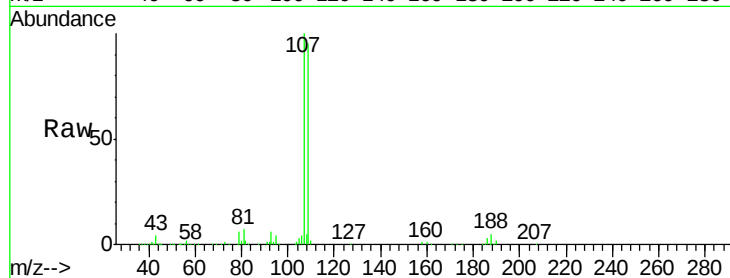
107 100

109 95.8 76.2 114.2

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

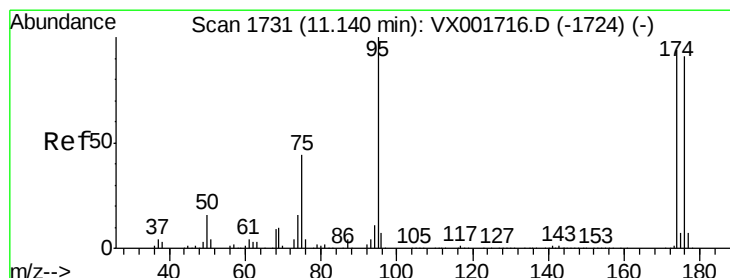
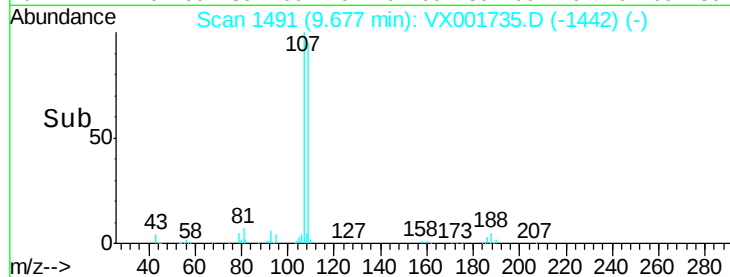
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 50.75 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX001735.D

Acq: 15 May 2018 10:12

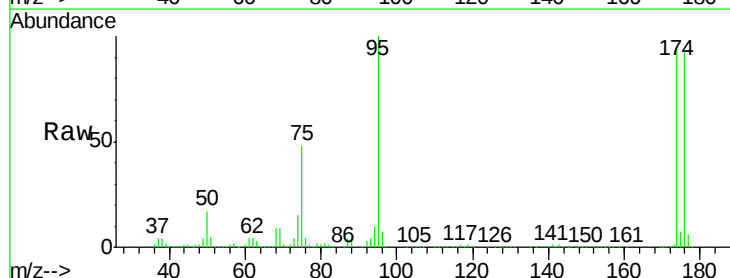
Tgt Ion: 95 Resp: 237231

Ion Ratio Lower Upper

95 100

174 102.0 0.0 201.8

176 99.6 0.0 196.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

250000

200000

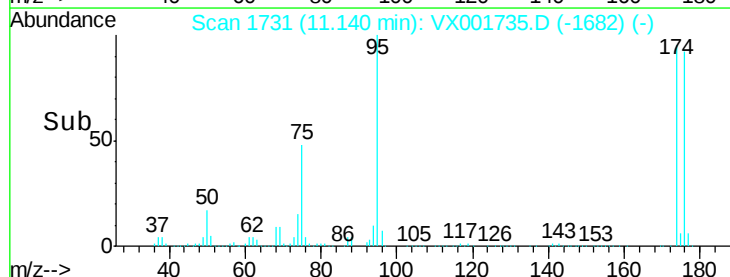
150000

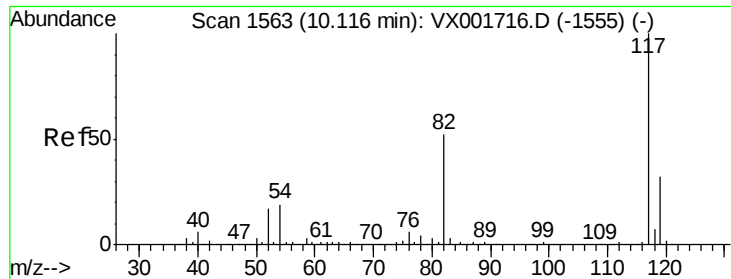
100000

50000

0

Time-->





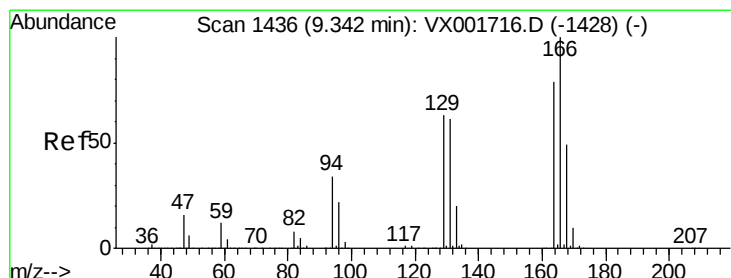
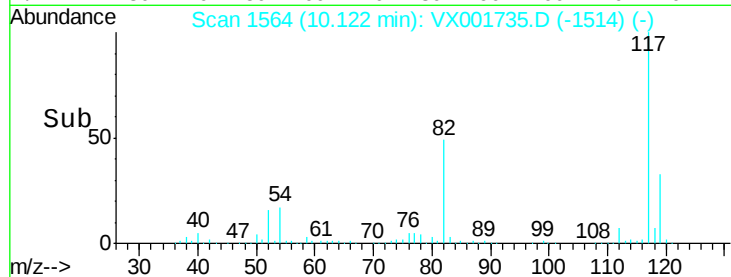
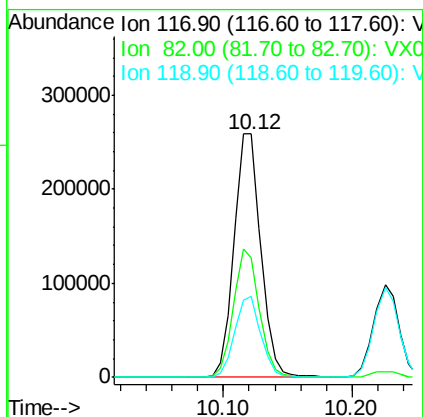
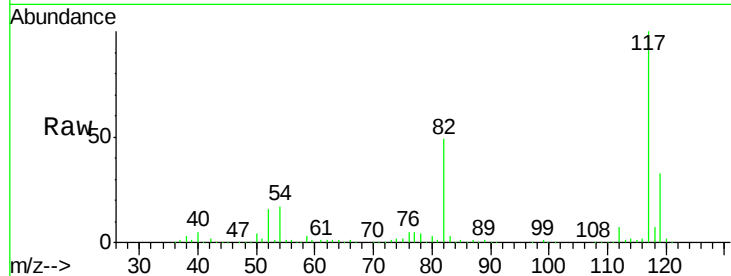
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VX001735.D
Acq: 15 May 2018 10:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	376090		
82	49.1		41.4	62.2
119	33.1		25.6	38.4

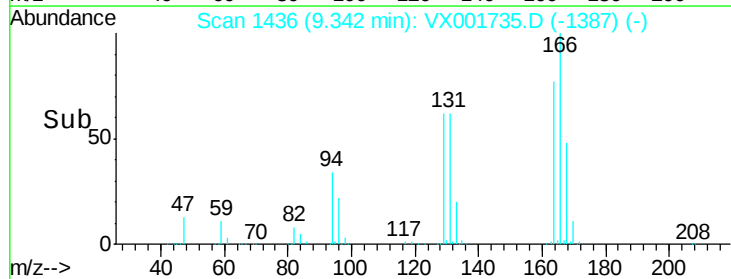
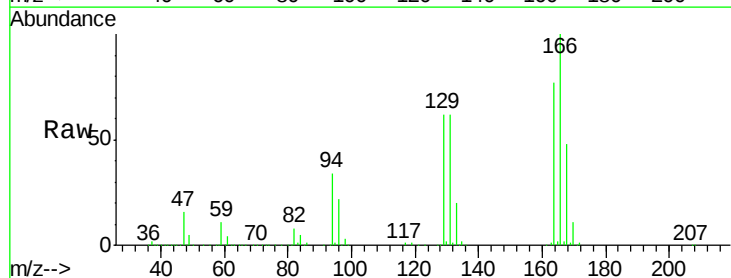
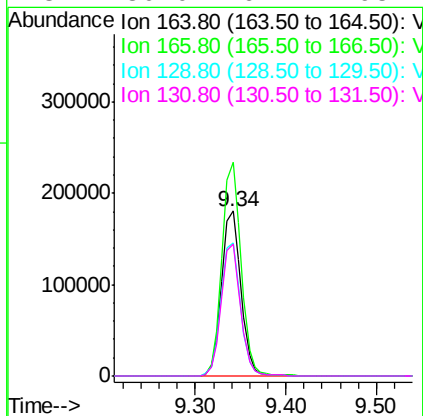
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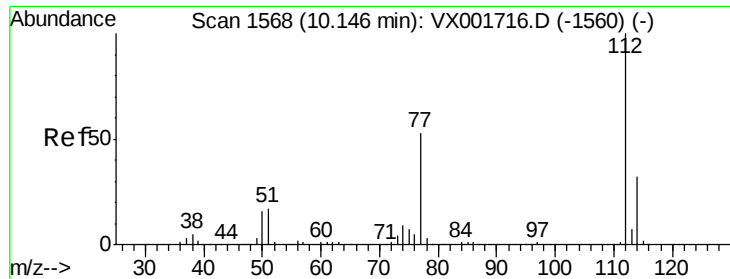
MMDadoda
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#64
Tetrachloroethene
Concen: 55.42 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX001735.D
Acq: 15 May 2018 10:12

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	271343		
166	129.7		101.8	152.8
129	81.1		63.8	95.6
131	80.0		62.2	93.2





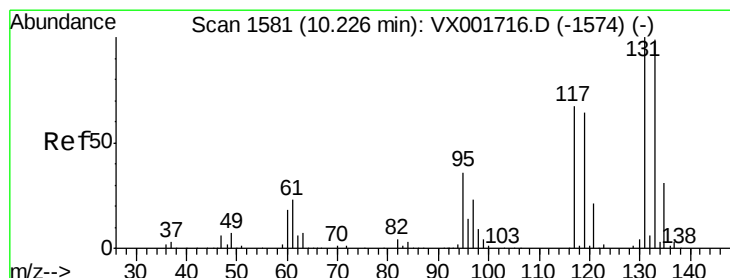
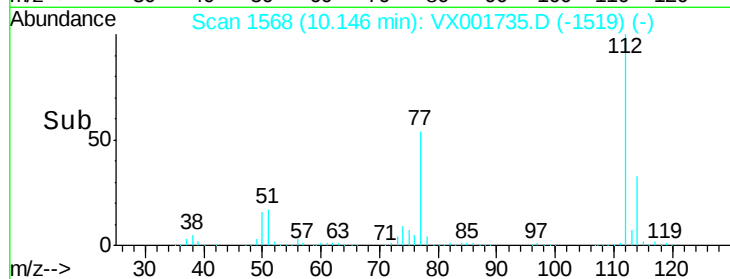
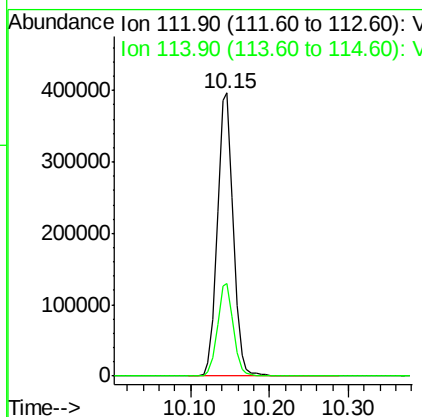
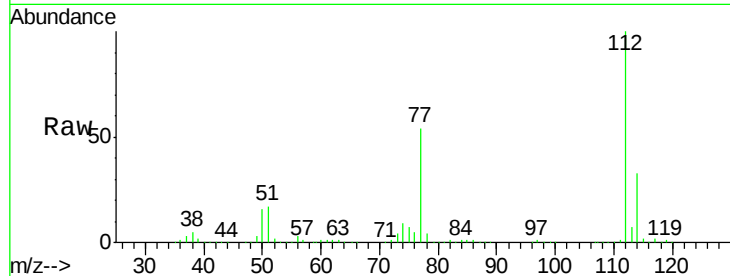
#65
Chlorobenzene
Concen: 53.81 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX001735.D
Acq: 15 May 2018 10:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 556681
Ion Ratio Lower Upper
112 100
114 32.8 25.6 38.4

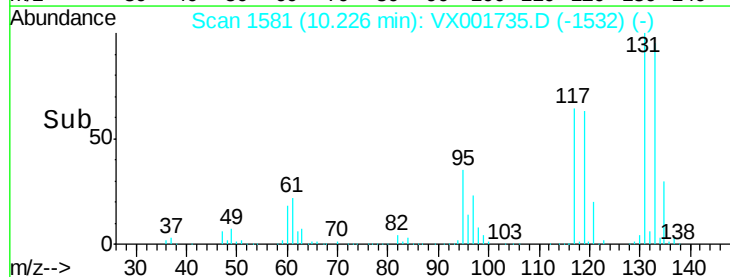
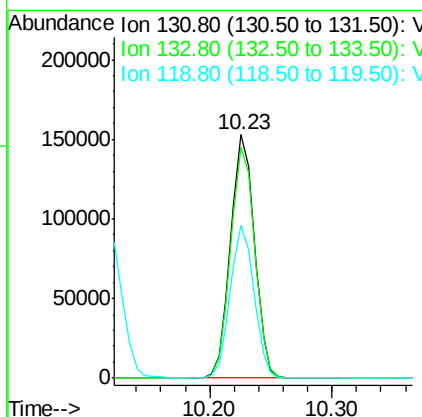
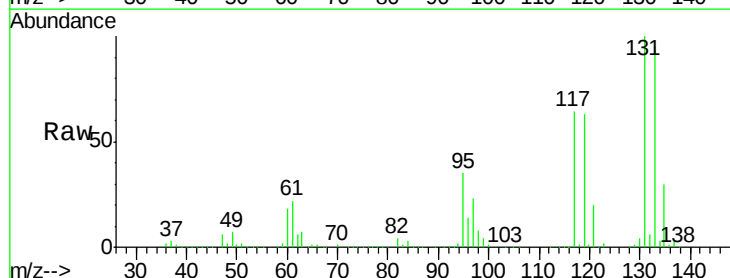
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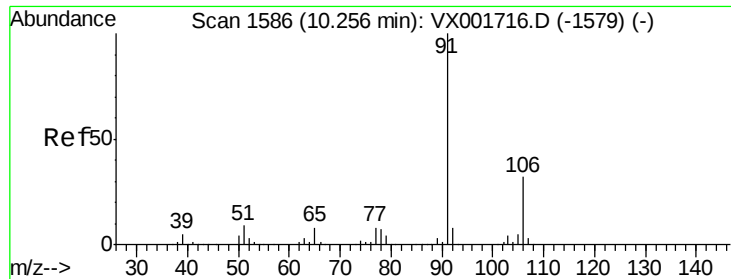
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#66
1,1,1,2-Tetrachloroethane
Concen: 56.25 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX001735.D
Acq: 15 May 2018 10:12

Tgt Ion:131 Resp: 205519
Ion Ratio Lower Upper
131 100
133 95.8 48.5 145.6
119 62.6 31.9 95.5





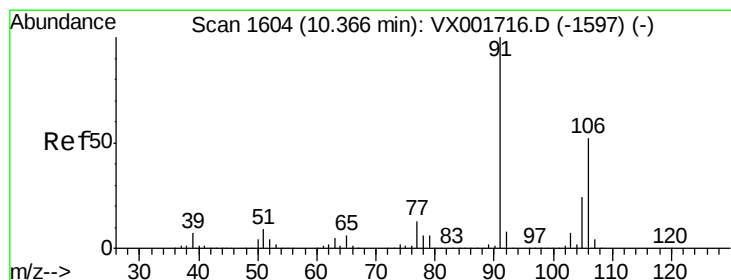
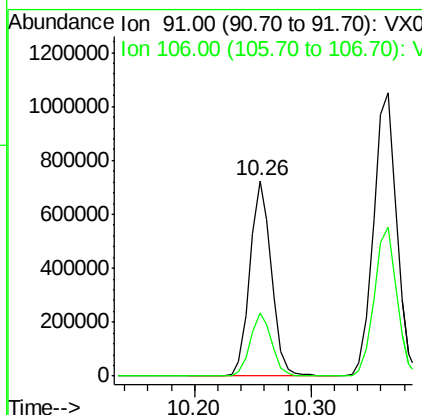
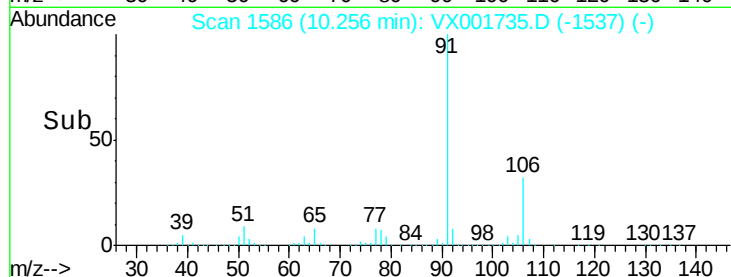
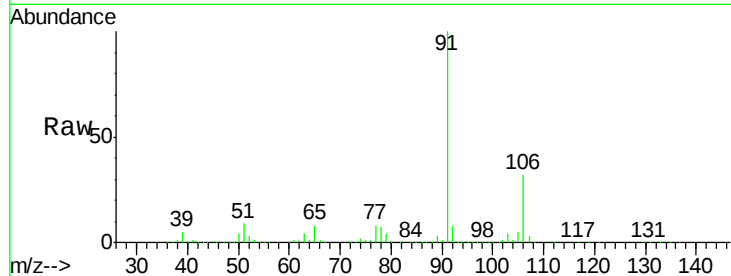
#67
Ethyl Benzene
Concen: 56.56 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX001735.D
Acq: 15 May 2018 10:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 935056
Ion Ratio Lower Upper
91 100
106 32.4 25.7 38.5

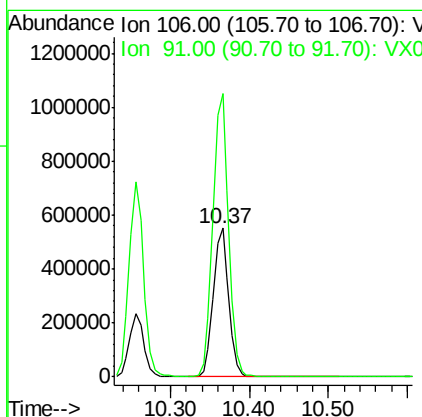
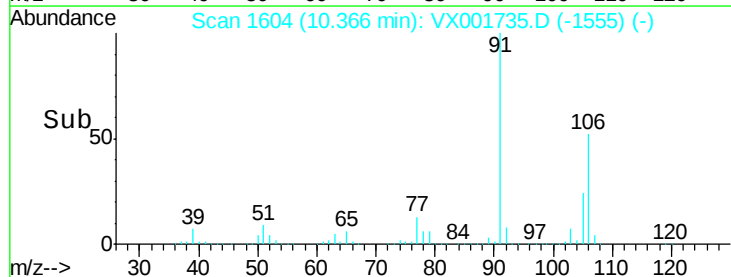
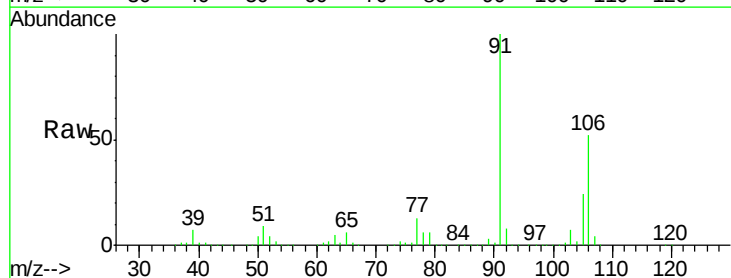
Manual Integrations
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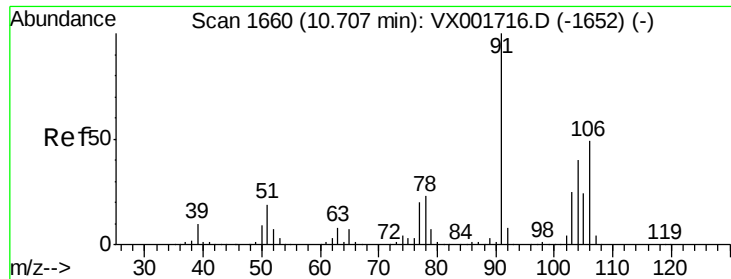
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#68
m/p-Xylenes
Concen: 115.27 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX001735.D
Acq: 15 May 2018 10:12

Tgt Ion: 106 Resp: 751926
Ion Ratio Lower Upper
106 100
91 193.6 155.4 233.2





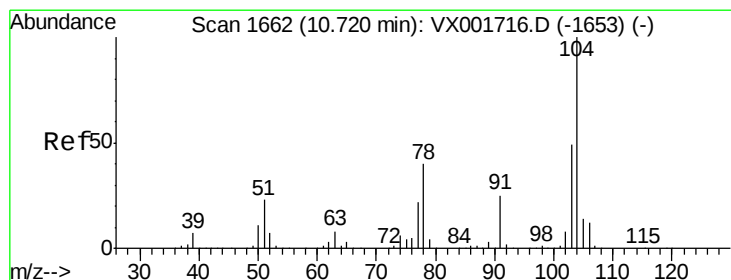
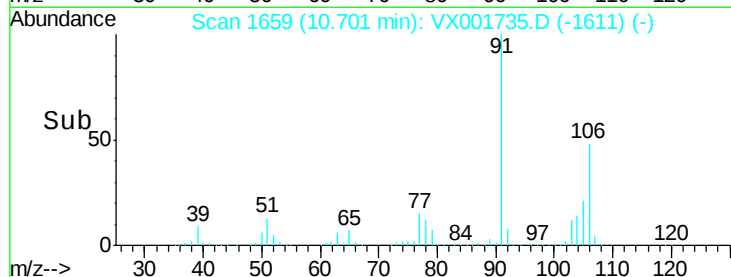
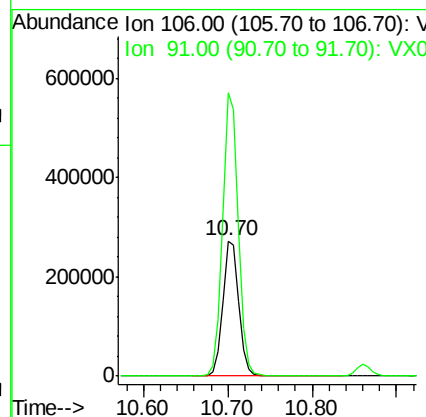
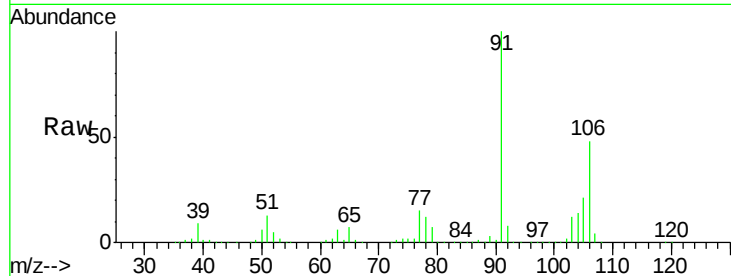
#69
o-Xylene
Concen: 57.47 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.01 min
Lab File: VX001735.D
Acq: 15 May 2018 10:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 359041
Ion Ratio Lower Upper
106 100
91 205.7 103.4 310.2

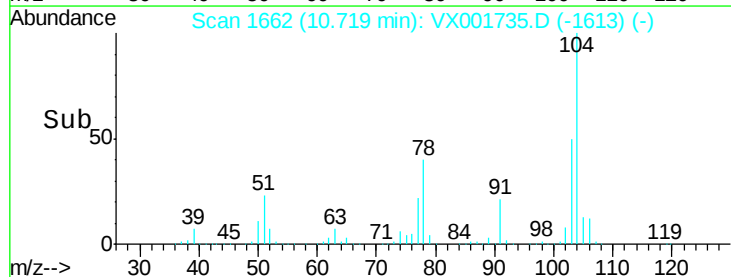
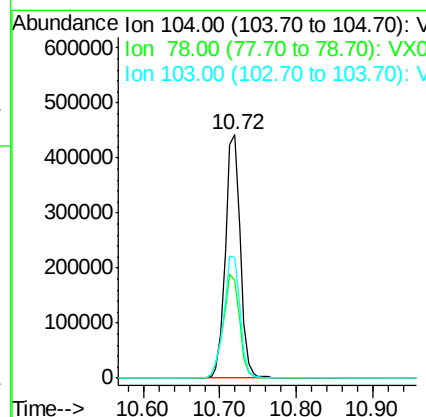
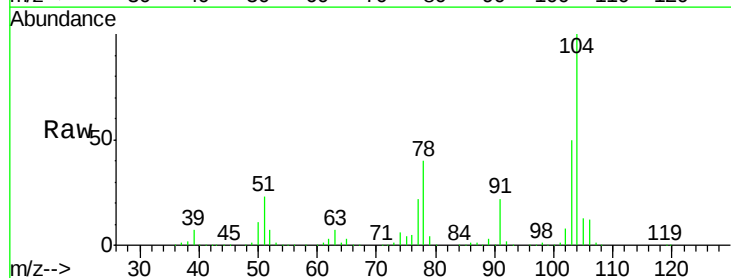
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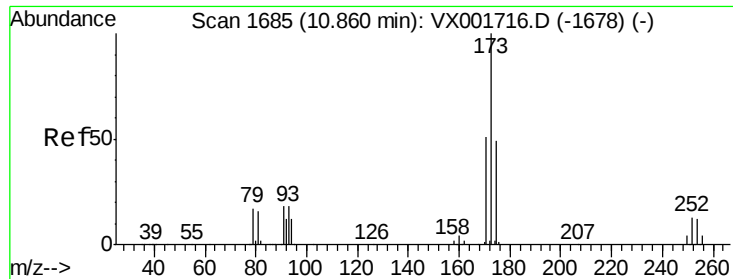
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#70
Styrene
Concen: 57.83 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX001735.D
Acq: 15 May 2018 10:12

Tgt Ion:104 Resp: 595793
Ion Ratio Lower Upper
104 100
78 46.8 37.3 55.9
103 54.9 43.7 65.5





#71

Bromoform

Concen: 50.50 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX001735.D

Acq: 15 May 2018 10:12

Instrument :

MSVOA_X

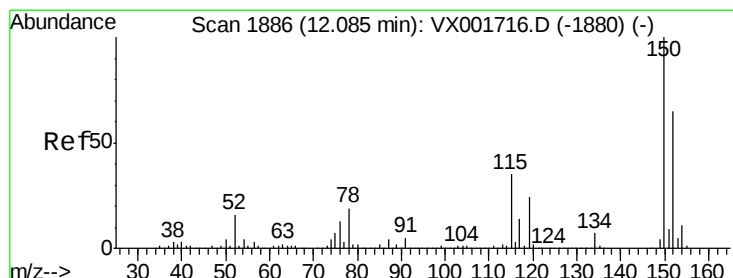
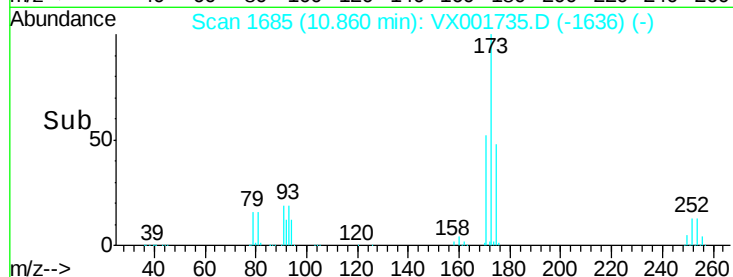
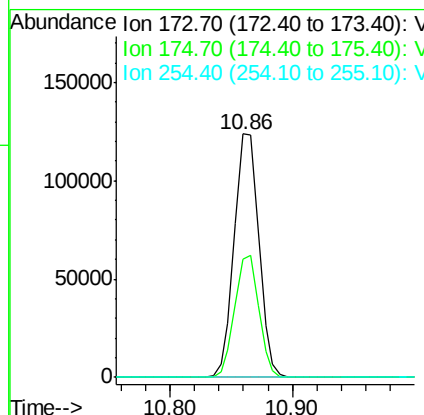
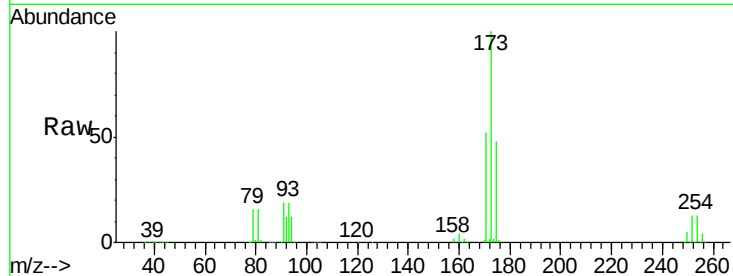
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.3	72.8
254	0.2	0.2	0.2

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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

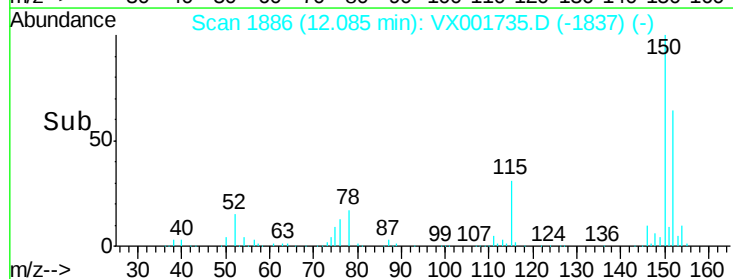
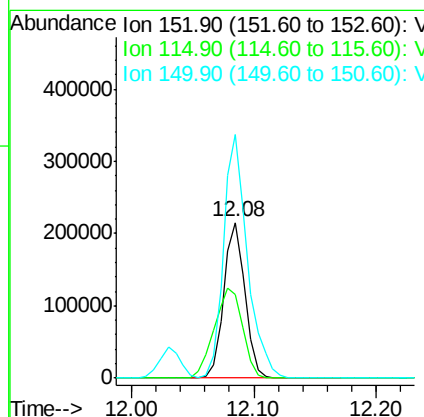
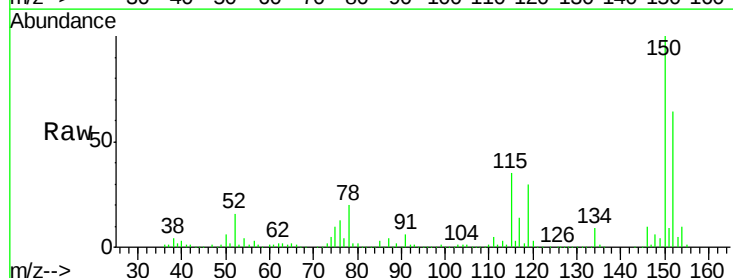
RT: 12.08 min Scan# 1886

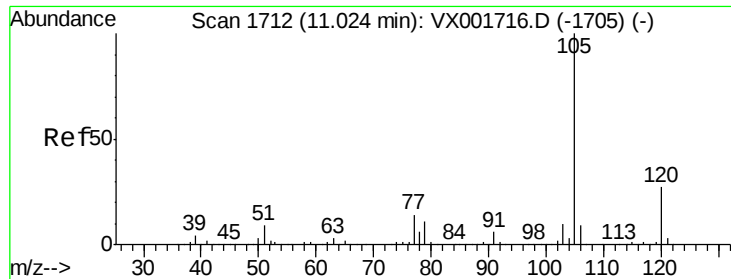
Delta R.T. -0.00 min

Lab File: VX001735.D

Acq: 15 May 2018 10:12

Tgt Ion	Ratio	Lower	Upper
152	100		
115	77.8	37.4	112.2
150	176.7	0.0	344.8





#73

Isopropylbenzene

Concen: 56.80 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX001735.D

Acq: 15 May 2018 10:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 962819

Ion Ratio Lower Upper

105 100

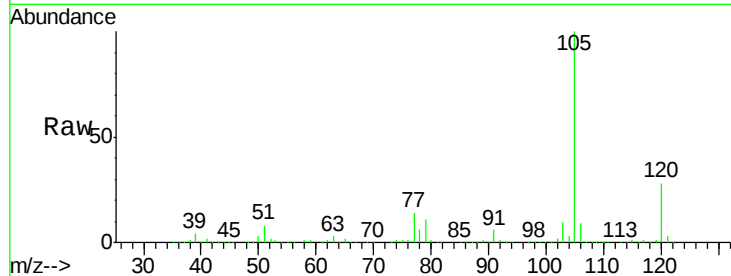
120 27.5 13.8 41.3

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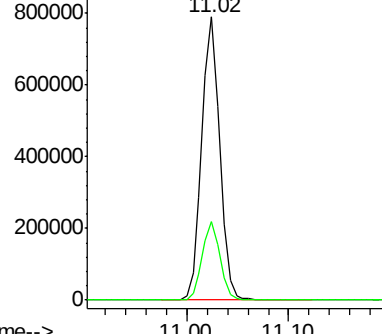
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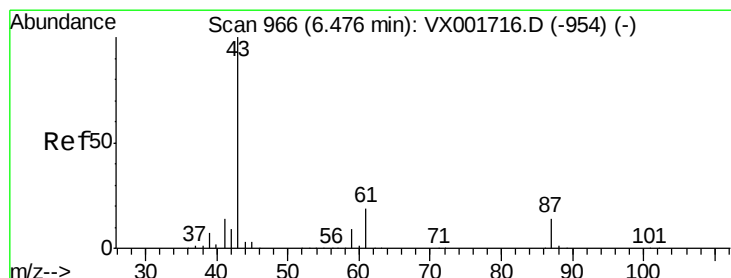
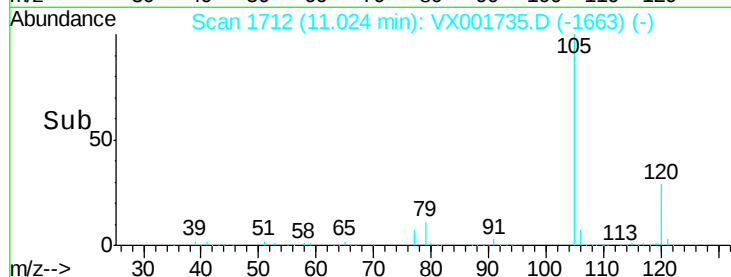


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->



#74

N-ethyl acetate

Concen: 52.82 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX001735.D

Acq: 15 May 2018 10:12

Tgt Ion: 43 Resp: 429248

Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.1 0.1 0.1#

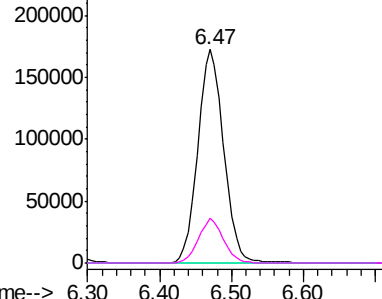
61 20.1 15.8 23.8

Abundance Ion 43.00 (42.70 to 43.70): VX0

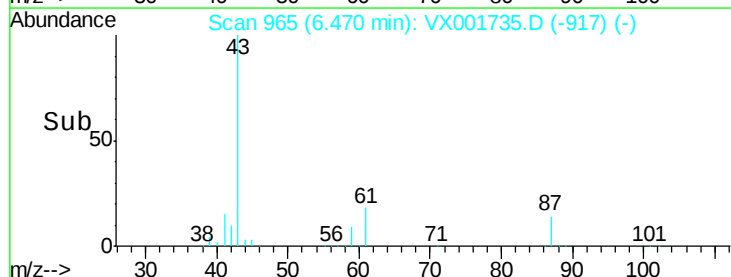
Ion 70.00 (69.70 to 70.70): VX0

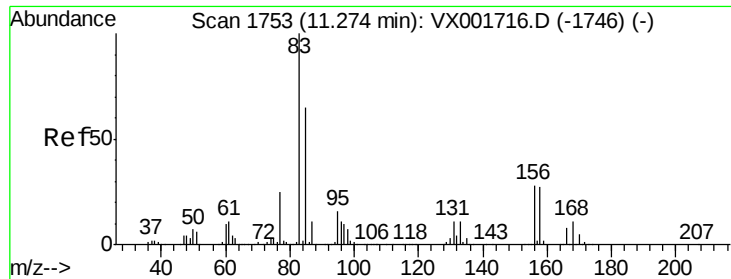
Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 51.41 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX001735.D

Acq: 15 May 2018 10:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 261428

Ion Ratio Lower Upper

83 100

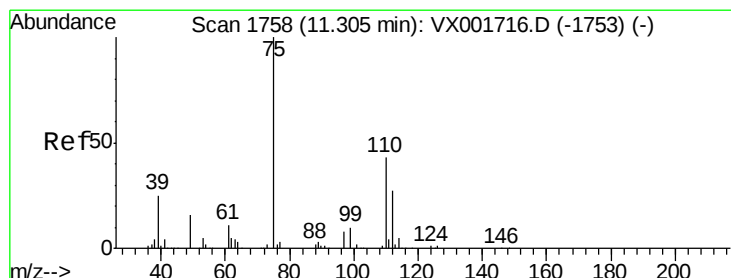
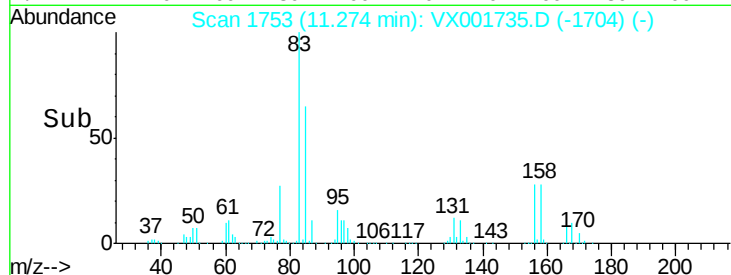
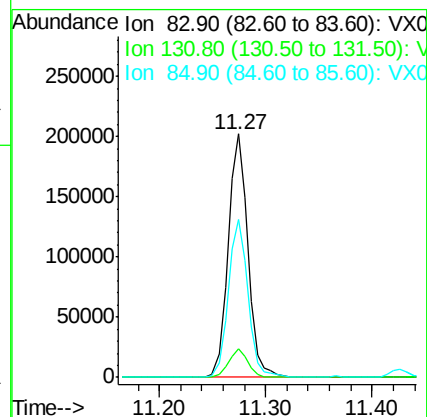
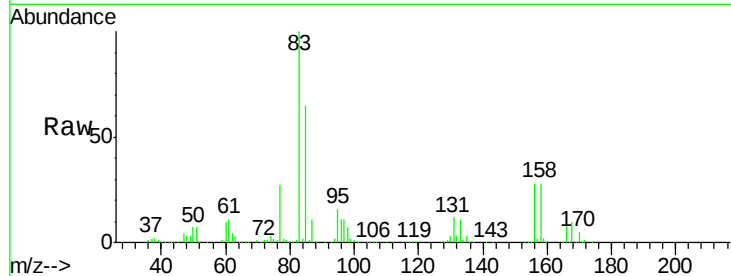
131 11.4 5.7 17.0

85 64.8 32.7 98.1

Manual Integrations
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MMDadoda

5/16/2018 11:54:12 AM



#76

1,2,3-Trichloropropane

Concen: 53.33 ug/l m

RT: 11.30 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VX001735.D

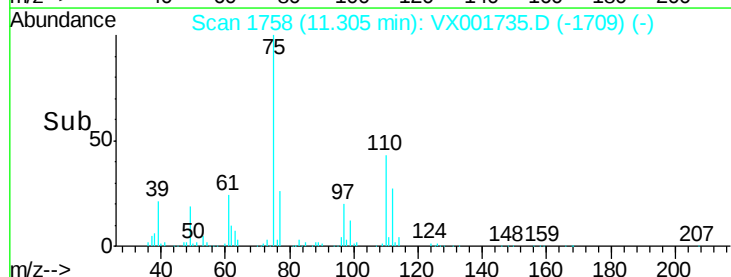
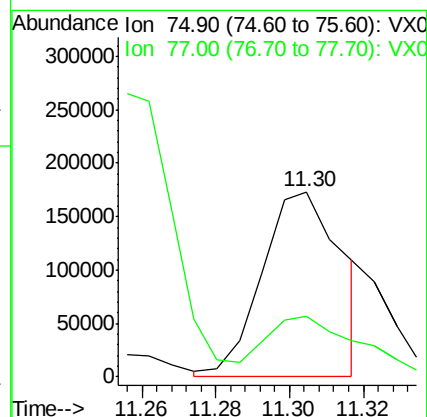
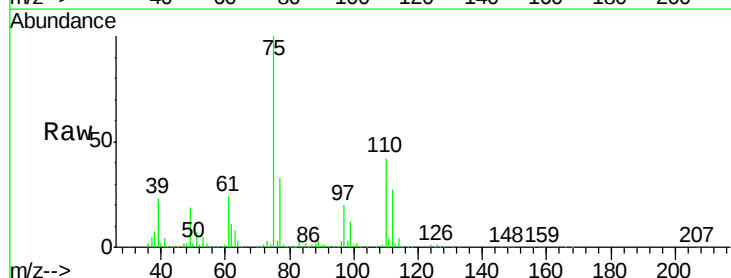
Acq: 15 May 2018 10:12

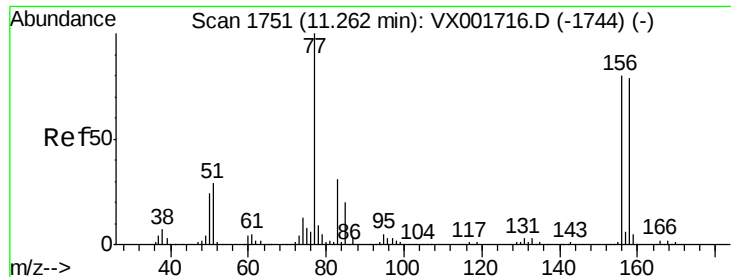
Tgt Ion: 75 Resp: 261016

Ion Ratio Lower Upper

75 100

77 38.1 18.9 56.7





#77

Bromobenzene

Concen: 54.68 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX001735.D

Acq: 15 May 2018 10:12

Instrument :

MSVOA_X

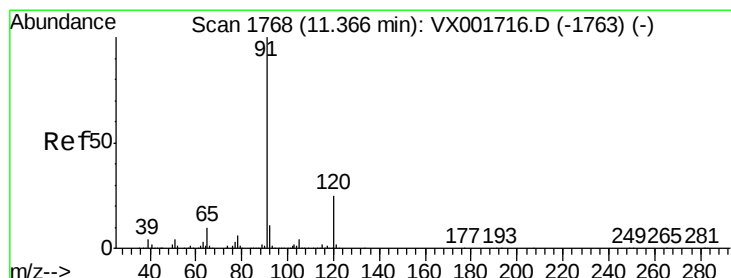
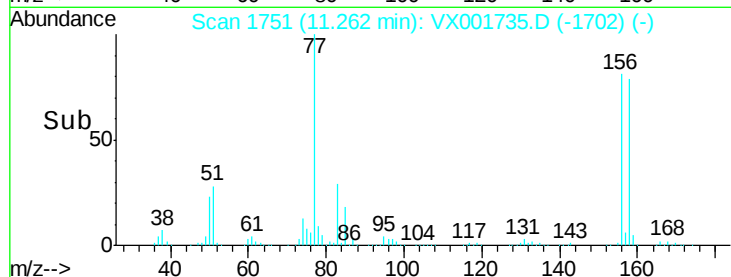
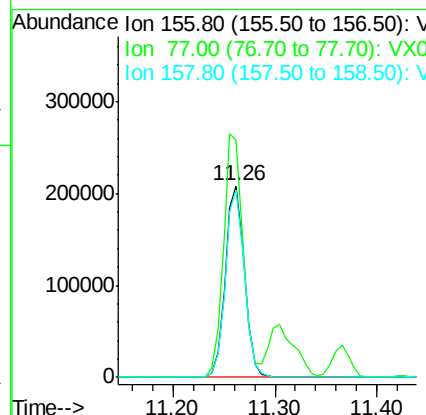
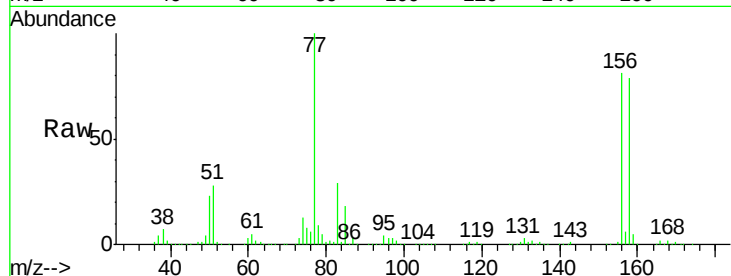
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	272342
Ion Ratio	Lower	Upper	
156	100		
77	131.7	65.3	196.0
158	97.5	49.1	147.3

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#78

n-propylbenzene

Concen: 58.06 ug/l

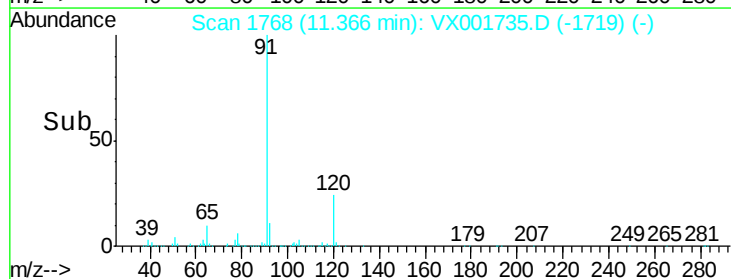
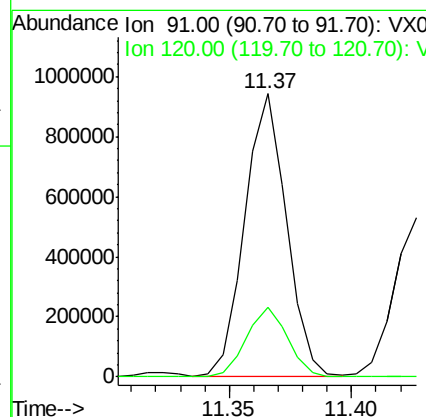
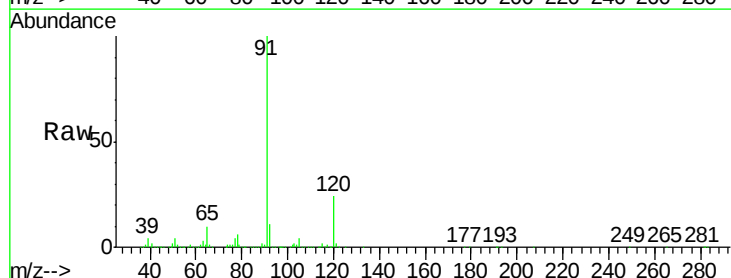
RT: 11.37 min Scan# 1768

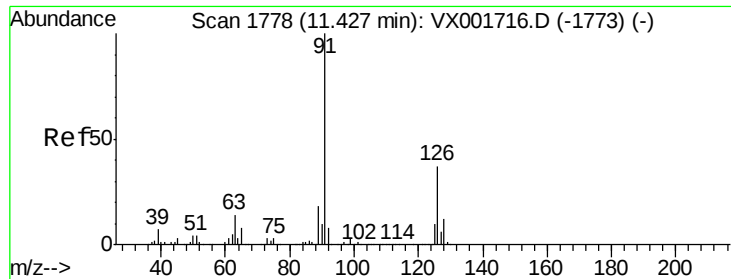
Delta R.T. -0.00 min

Lab File: VX001735.D

Acq: 15 May 2018 10:12

Tgt Ion:	91	Resp:	1108713
Ion Ratio	Lower	Upper	
91	100		
120	24.7	12.5	37.5





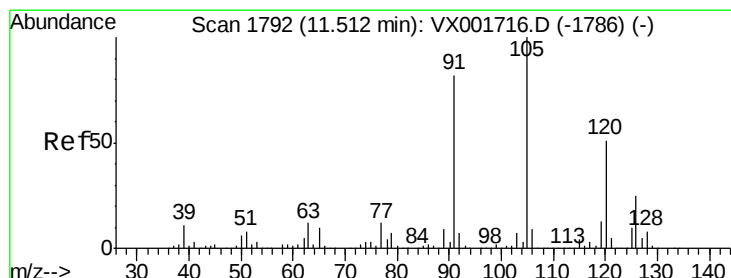
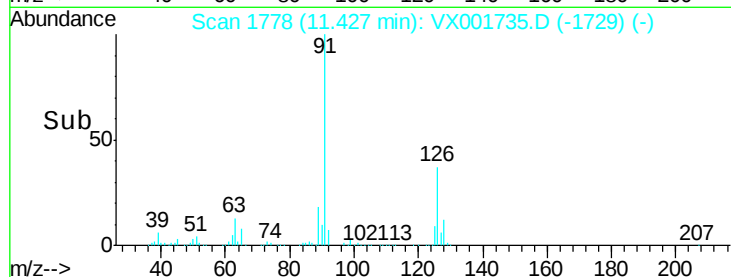
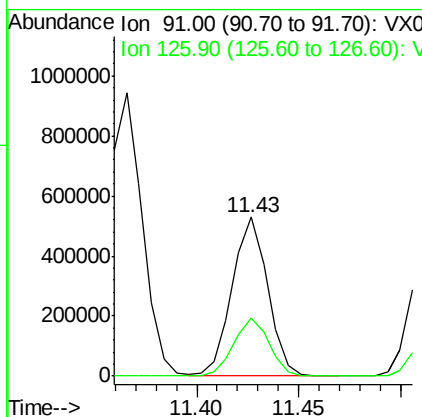
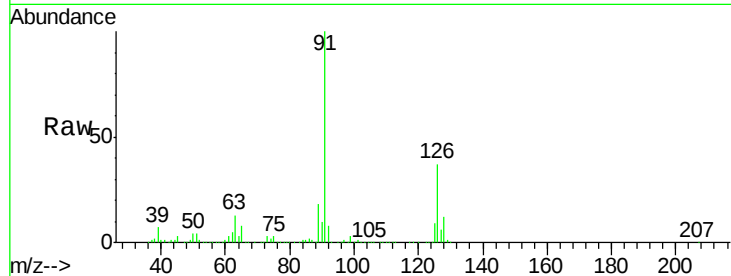
#79
 2-Chlorotoluene
 Concen: 55.58 ug/l
 RT: 11.43 min Scan# 1778
 Delta R.T. -0.00 min
 Lab File: VX001735.D
 Acq: 15 May 2018 10:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 634845
 Ion Ratio Lower Upper
 91 100
 126 36.9 18.4 55.4

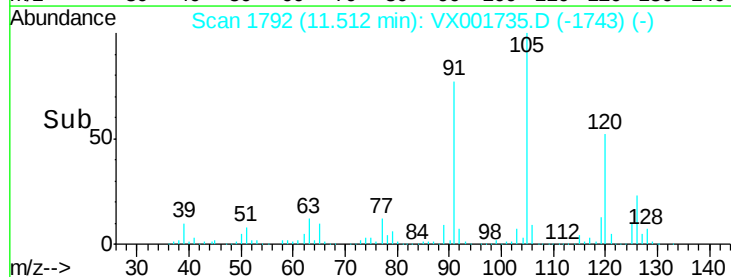
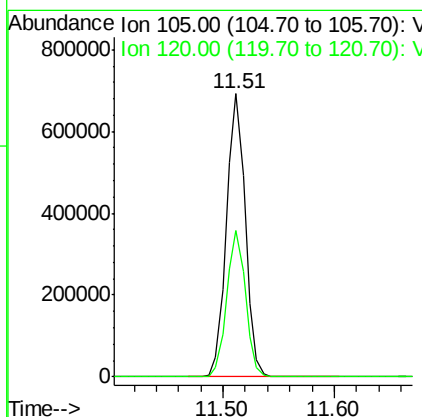
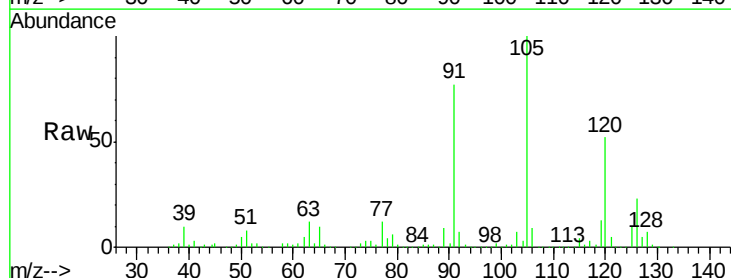
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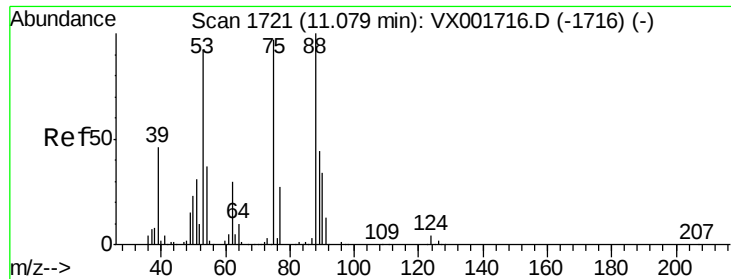
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#80
 1,3,5-Trimethylbenzene
 Concen: 58.03 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX001735.D
 Acq: 15 May 2018 10:12

Tgt Ion: 105 Resp: 806964
 Ion Ratio Lower Upper
 105 100
 120 51.7 25.7 77.0





#81

trans-1,4-Dichloro-2-butene

Concen: 49.09 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX001735.D

Acq: 15 May 2018 10:12

Instrument :

MSVOA_X

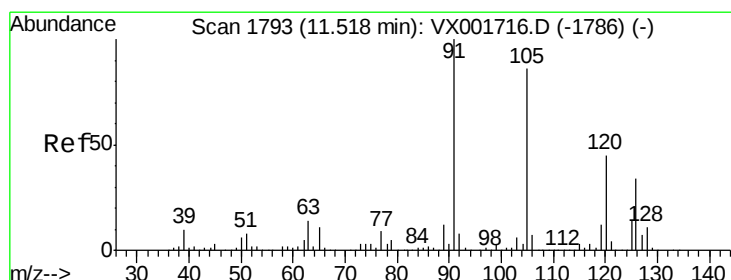
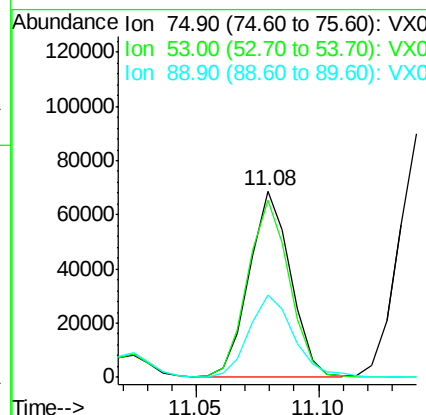
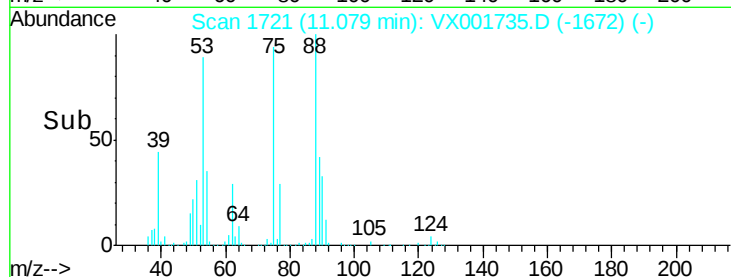
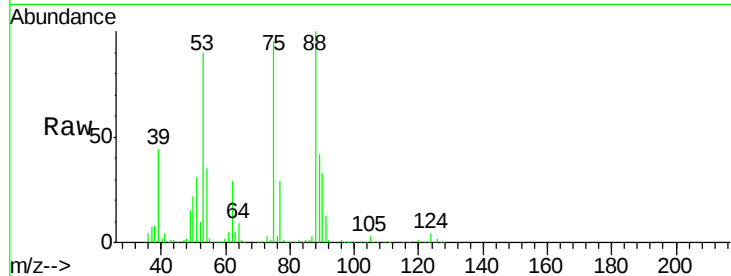
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.3	79.4	119.2
89	48.0	38.8	58.2

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#82

4-Chlorotoluene

Concen: 55.75 ug/l

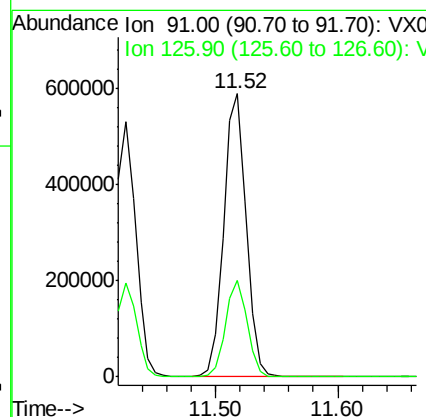
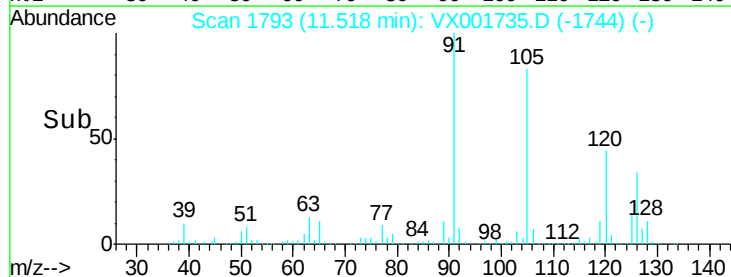
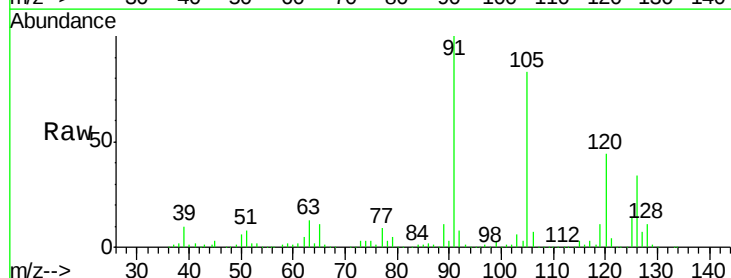
RT: 11.52 min Scan# 1793

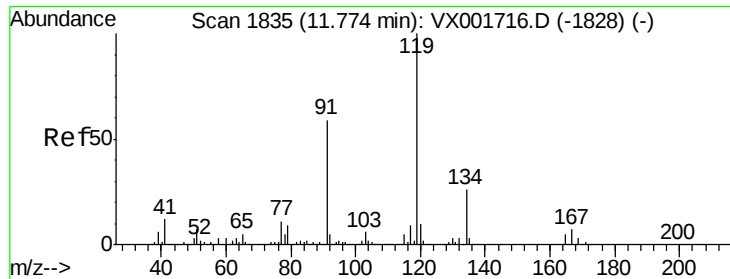
Delta R.T. -0.00 min

Lab File: VX001735.D

Acq: 15 May 2018 10:12

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.4	49.1





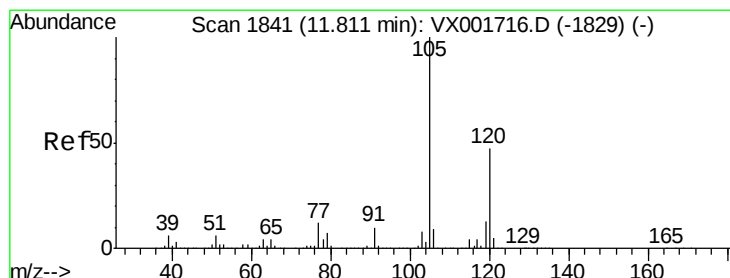
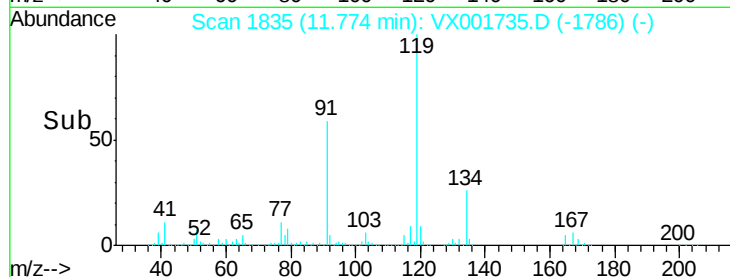
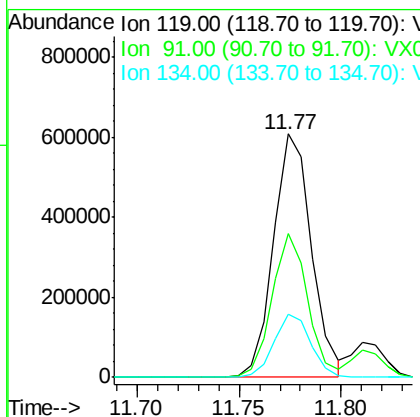
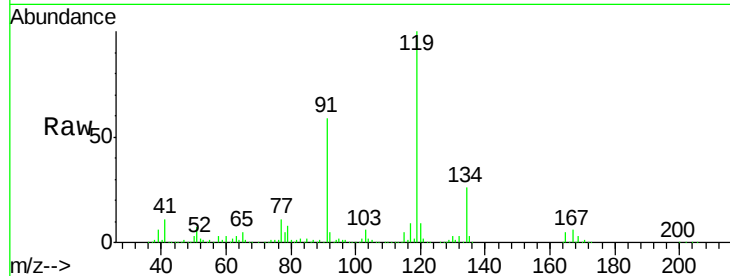
#83
 tert-Butylbenzene
 Concen: 57.15 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX001735.D
 Acq: 15 May 2018 10:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	55.5	27.7	83.0
134	25.3	12.7	38.1

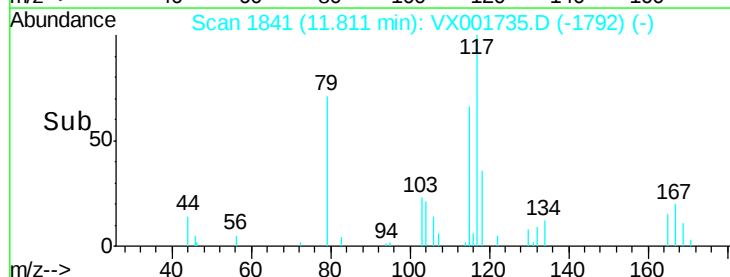
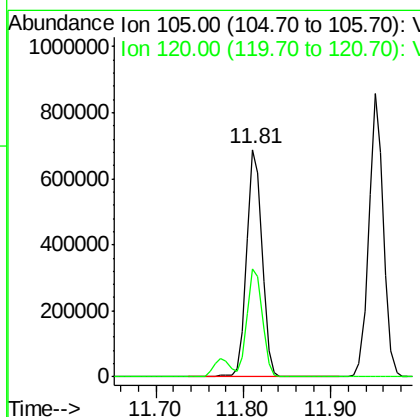
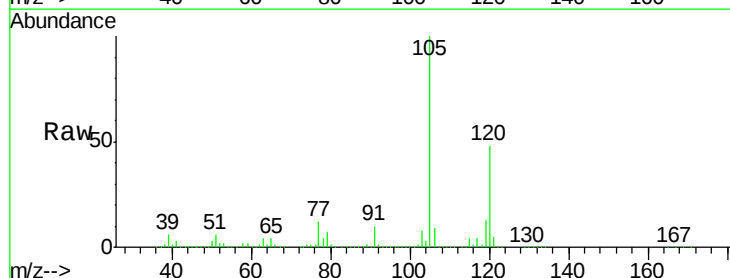
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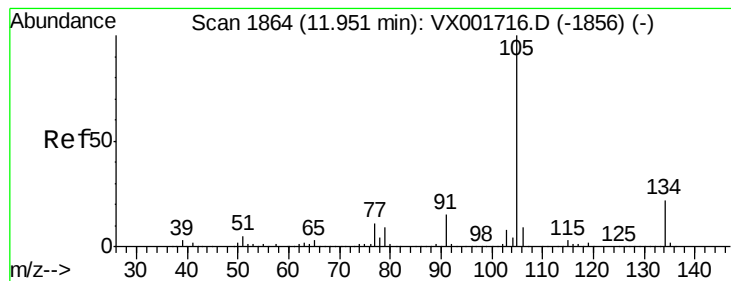
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#84
 1,2,4-Trimethylbenzene
 Concen: 58.19 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX001735.D
 Acq: 15 May 2018 10:12

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.1	23.5	70.5





#85

sec-Butylbenzene

Concen: 58.49 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX001735.D

Acq: 15 May 2018 10:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 999174

Ion Ratio Lower Upper

105 100

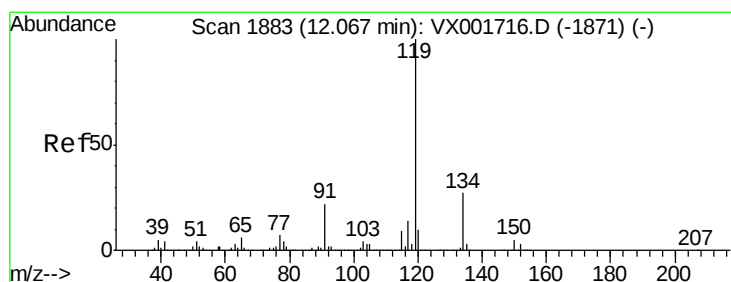
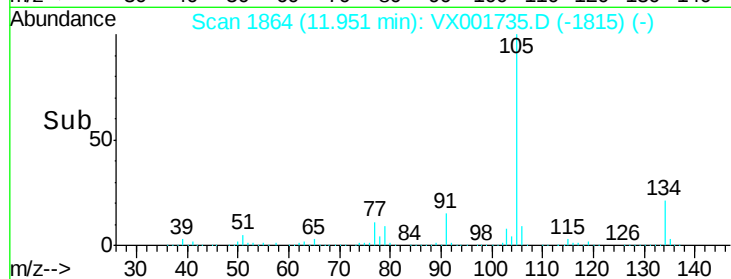
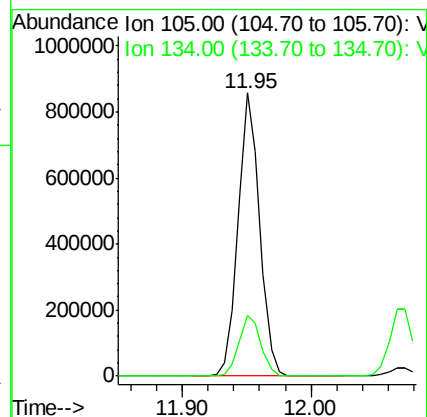
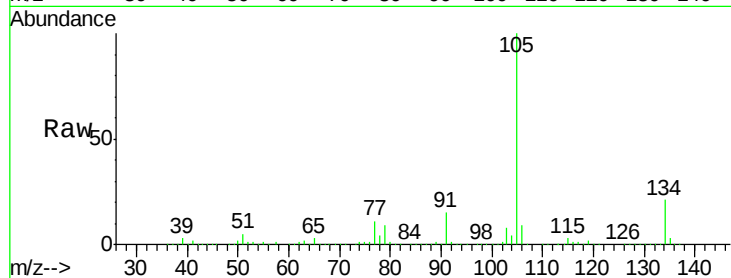
134 21.9 10.9 32.6

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 59.03 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX001735.D

Acq: 15 May 2018 10:12

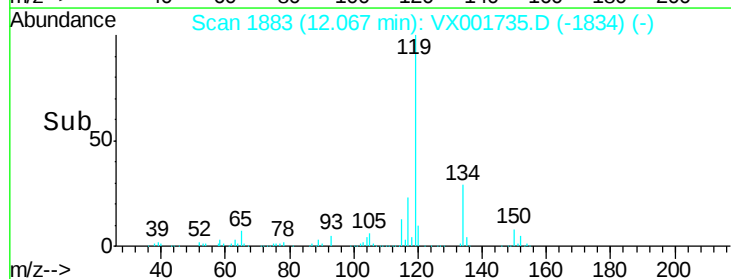
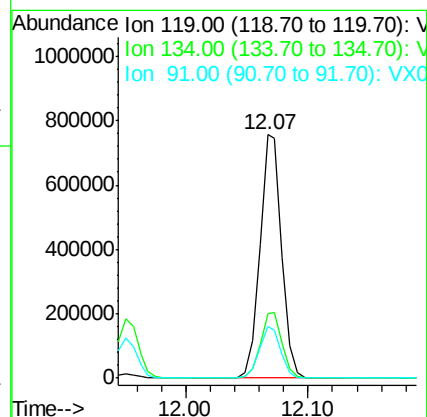
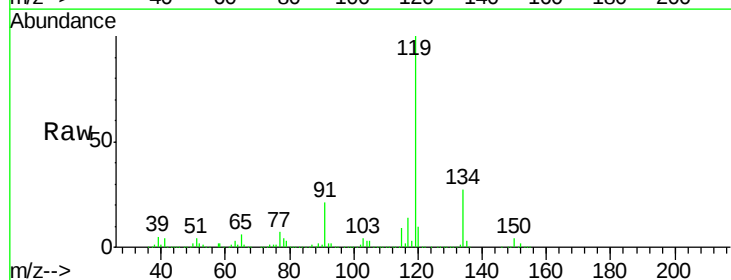
Tgt Ion:119 Resp: 933143

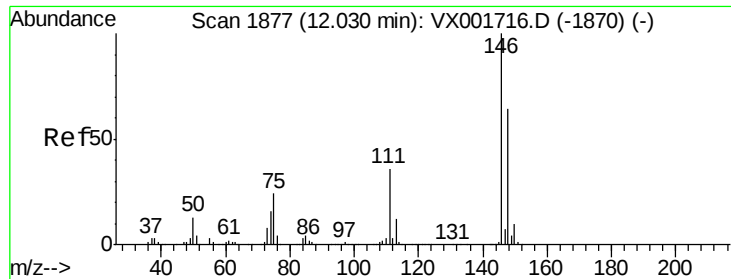
Ion Ratio Lower Upper

119 100

134 27.0 13.6 40.8

91 20.9 10.7 32.1





#87

1,3-Dichlorobenzene

Concen: 54.94 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX001735.D

Acq: 15 May 2018 10:12

Instrument :

MSVOA_X

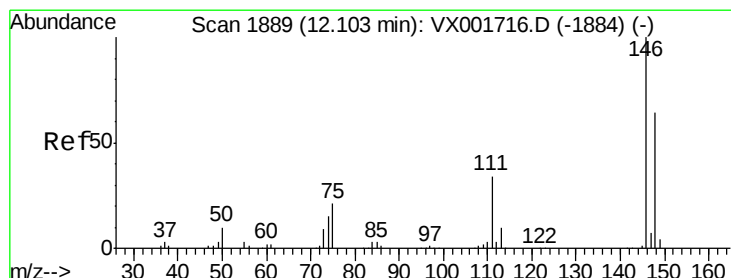
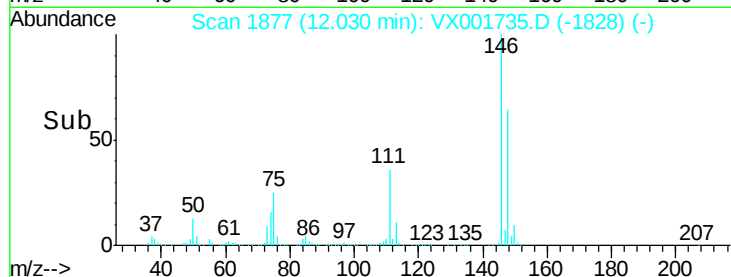
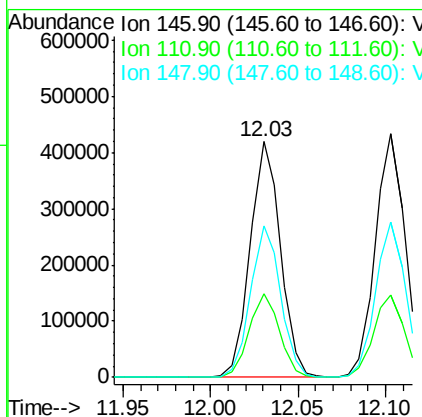
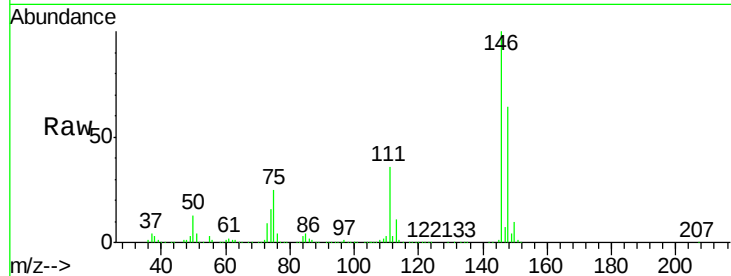
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	506105
Ion Ratio	Lower	Upper	
146	100		
111	35.6	17.8	53.4
148	63.8	32.1	96.3

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#88

1,4-Dichlorobenzene

Concen: 53.88 ug/l

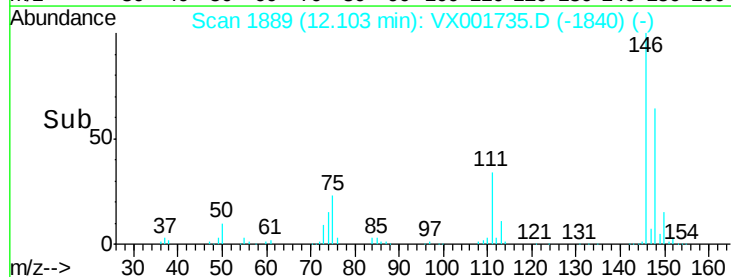
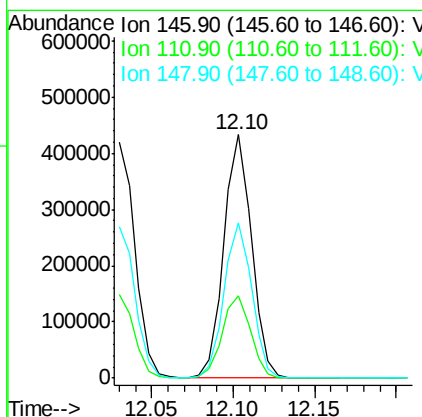
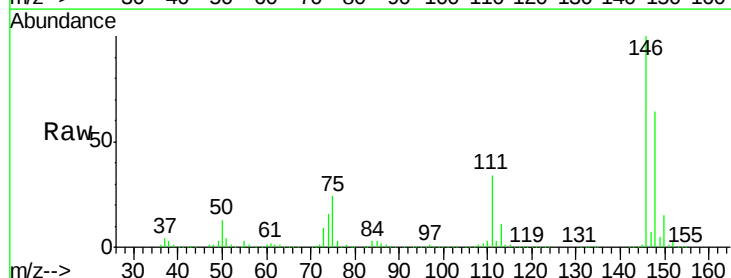
RT: 12.10 min Scan# 1889

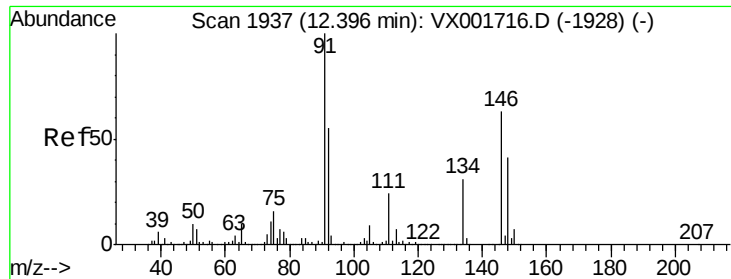
Delta R.T. -0.00 min

Lab File: VX001735.D

Acq: 15 May 2018 10:12

Tgt Ion:	146	Resp:	513164
Ion Ratio	Lower	Upper	
146	100		
111	34.9	17.3	52.0
148	63.9	32.3	96.9





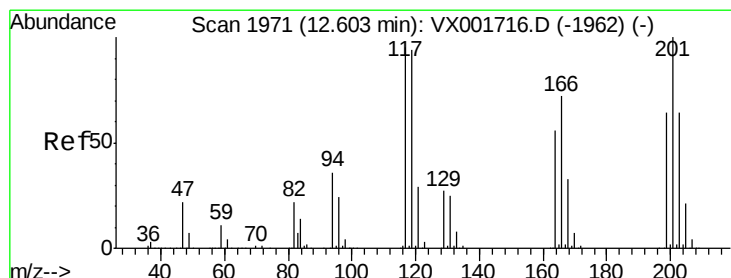
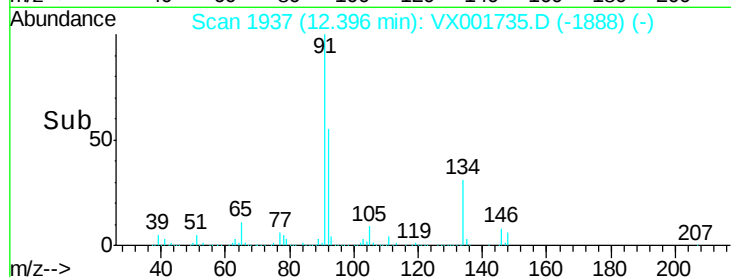
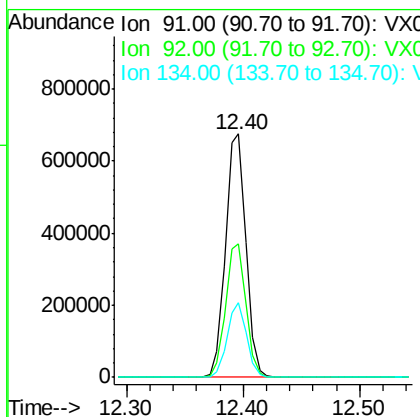
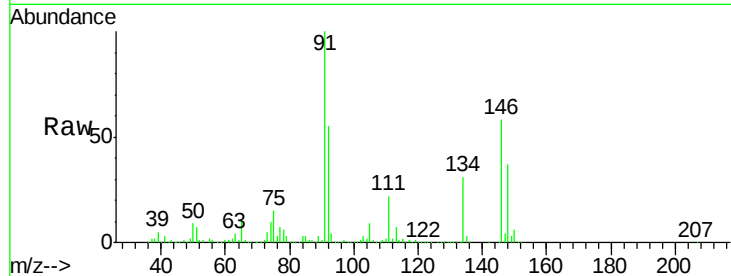
#89
n-Butylbenzene
Concen: 59.54 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX001735.D
Acq: 15 May 2018 10:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	54.5	27.3	81.9	
134	29.4	14.7	44.1	

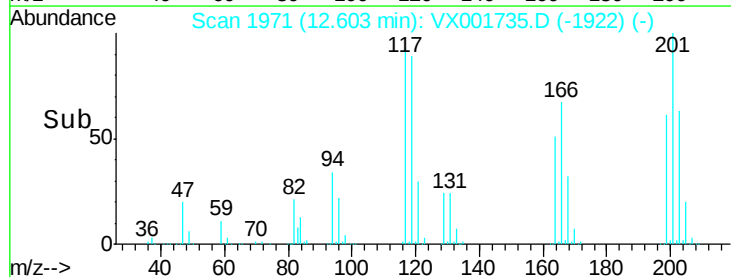
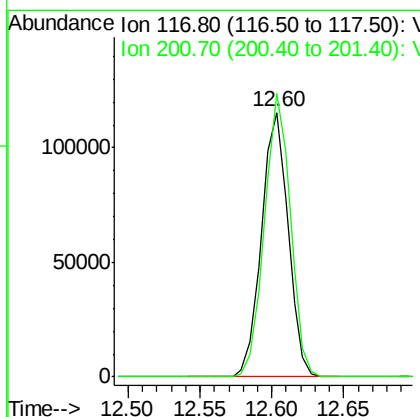
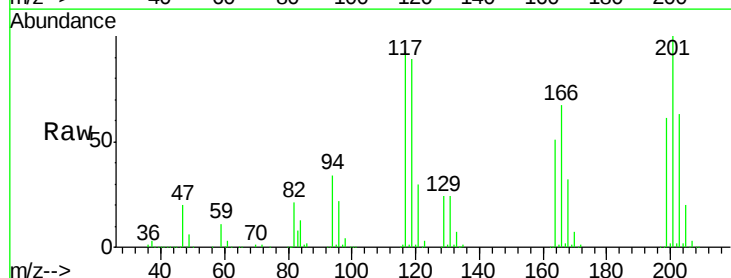
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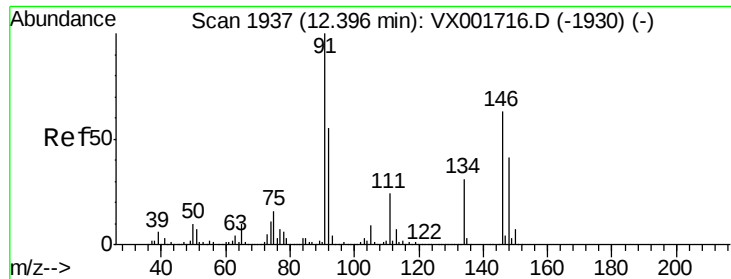
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#90
Hexachloroethane
Concen: 59.80 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX001735.D
Acq: 15 May 2018 10:12

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	104.7	51.9	155.7	





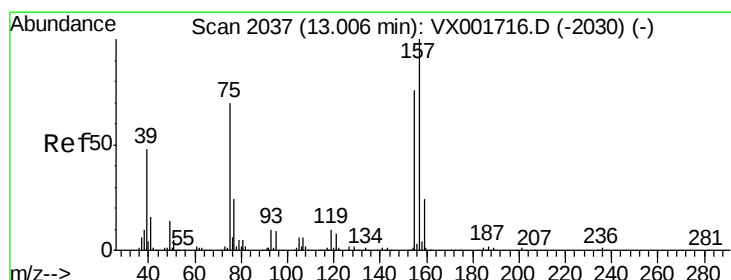
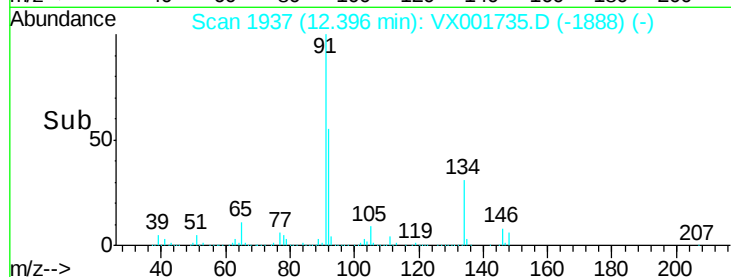
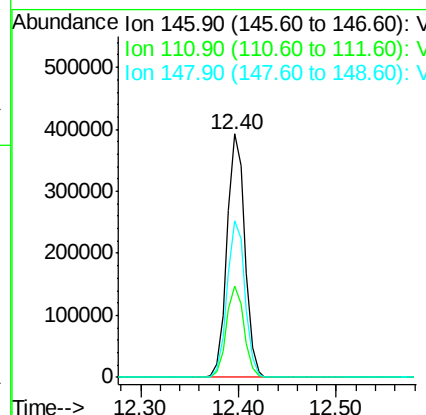
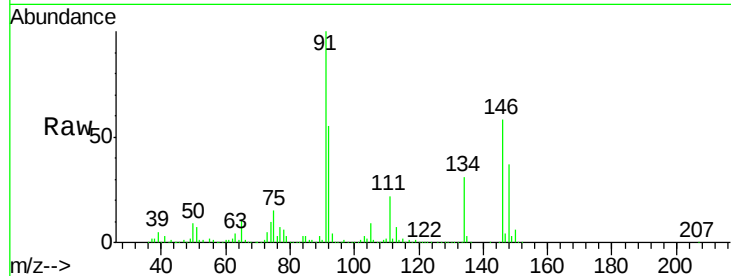
#91
 1,2-Dichlorobenzene
 Concen: 54.01 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX001735.D
 Acq: 15 May 2018 10:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.6	56.0
148	64.3	32.4	97.0

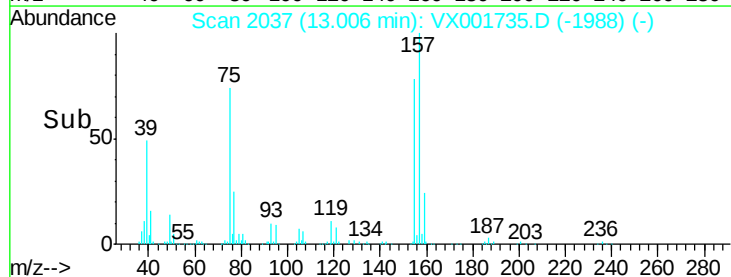
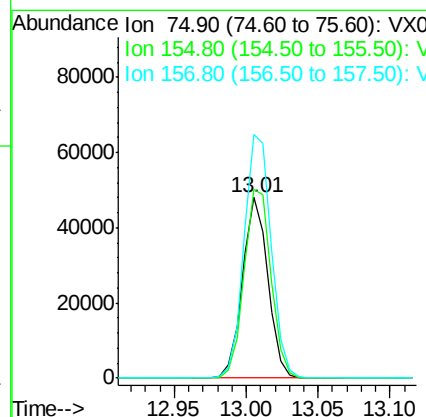
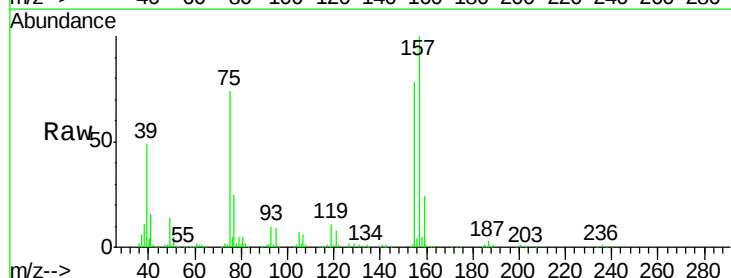
Manual Integrations
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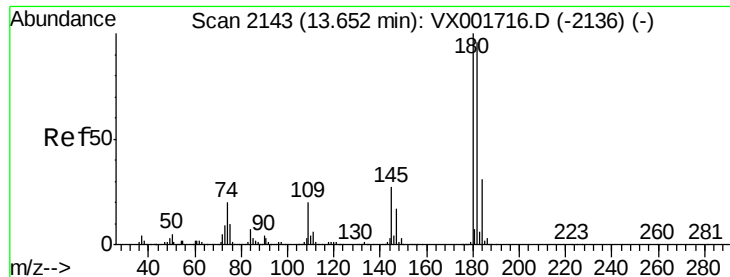
MMDadoda
 5/16/2018 11:54:12 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.41 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX001735.D
 Acq: 15 May 2018 10:12

Tgt Ion	Ratio	Lower	Upper
75	100		
155	110.2	53.9	161.8
157	142.6	71.0	213.2





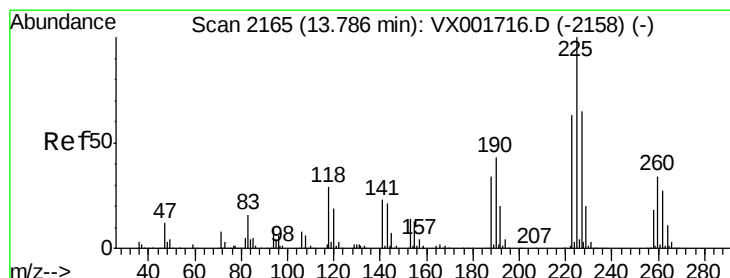
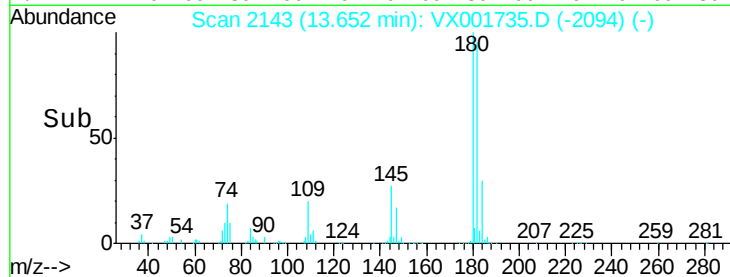
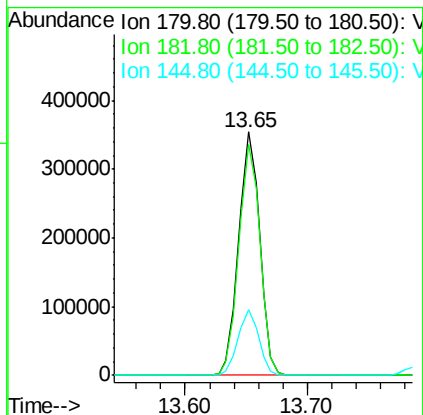
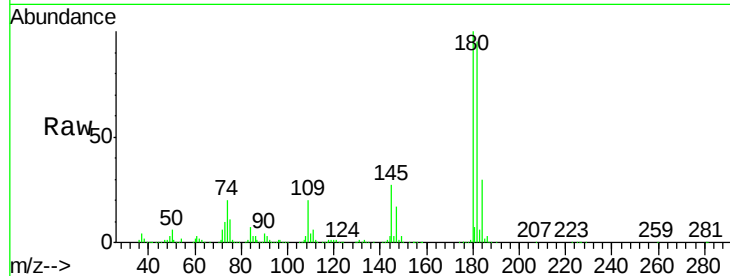
#93
 1,2,4-Trichlorobenzene
 Concen: 57.20 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX001735.D
 Acq: 15 May 2018 10:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.6	47.6	142.9	
145	26.8	13.4	40.1	

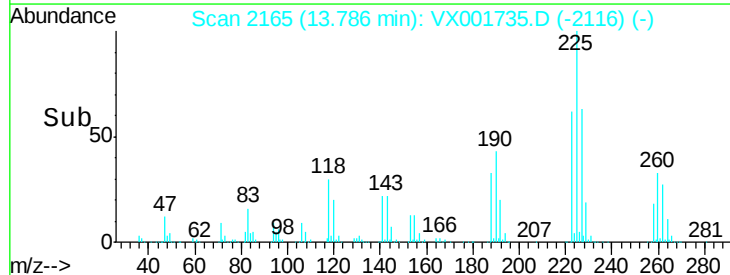
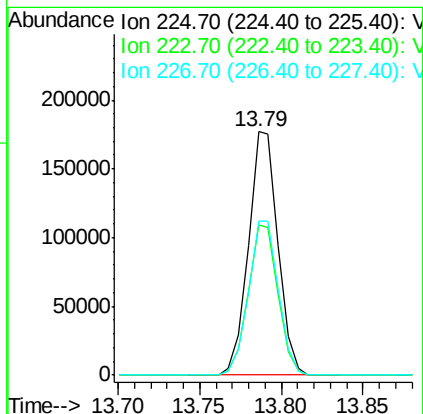
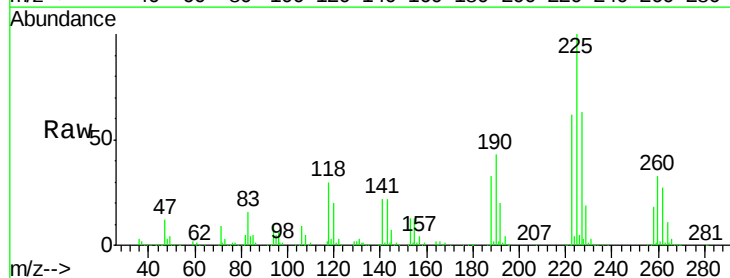
Manual Integrations
 APPROVED

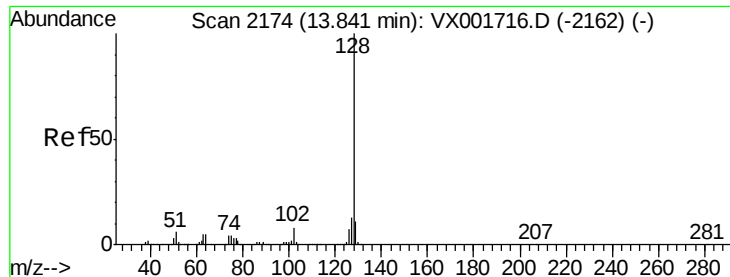
MMDadoda
 5/16/2018 11:54:12 AM



#94
 Hexachlorobutadiene
 Concen: 56.81 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX001735.D
 Acq: 15 May 2018 10:12

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.4	31.1	93.5	
227	64.1	31.9	95.5	





#95

Naphthalene

Concen: 55.90 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX001735.D

Acq: 15 May 2018 10:12

Instrument :

MSVOA_X

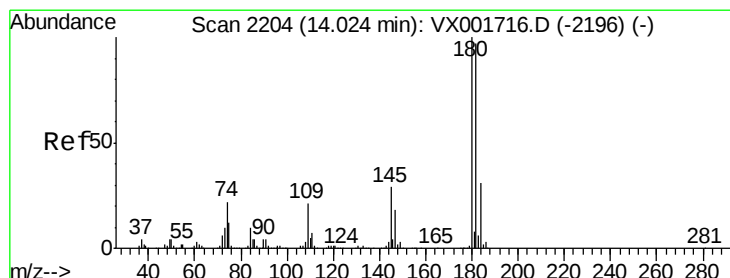
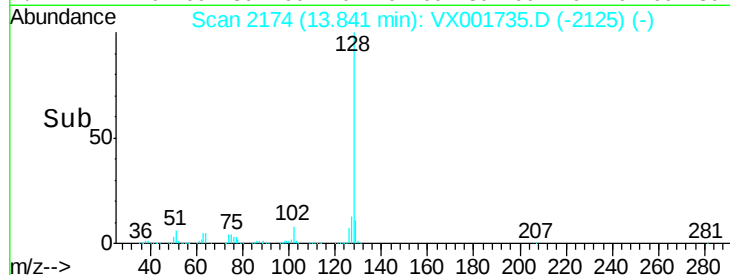
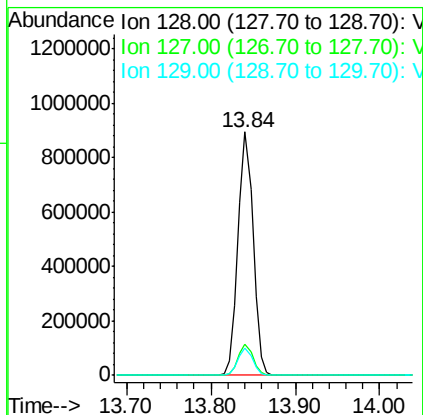
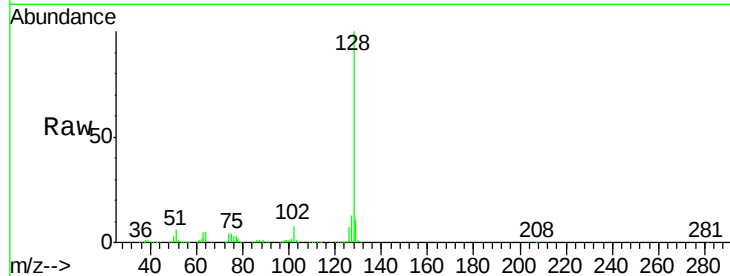
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	1063060
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	11.0	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
5/16/2018 11:54:12 AM



#96

1,2,3-Trichlorobenzene

Concen: 55.76 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX001735.D

Acq: 15 May 2018 10:12

Tgt Ion:	180	Resp:	410771
Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.9	143.7
145	28.4	14.2	42.8

