

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052718\
 Data File : VX002061.D
 Acq On : 27 May 2018 11:34
 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
 5/30/2018 1:50:33 PM

Quant Time: May 29 03:14:26 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 24 13:09:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	244650	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	350254	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	334056	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	237049	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	202152	46.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.46%	
35) Dibromofluoromethane	5.51	113	160835	45.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.84%	
50) Toluene-d8	8.72	98	596577	47.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.10%	
62) 4-Bromofluorobenzene	11.14	95	241010	48.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	130522	42.32	ug/l	98
3) Chloromethane	1.32	50	220880	58.68	ug/l	100
4) Vinyl Chloride	1.41	62	168366	46.32	ug/l	99
5) Bromomethane	1.64	94	79222	47.30	ug/l	97
6) Chloroethane	1.72	64	109766	51.23	ug/l	99
7) Trichlorofluoromethane	1.93	101	271102	49.67	ug/l	99
8) Diethyl Ether	2.19	74	111094	56.10	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	152694	50.13	ug/l	98
10) Methyl Iodide	2.51	142	176185	42.75	ug/l	99
11) Tert butyl alcohol	3.07	59	217776	253.70	ug/l	99
12) 1,1-Dichloroethene	2.37	96	138785	48.67	ug/l	95
13) Acrolein	2.30	56	63532	171.18	ug/l	100
14) Allyl chloride	2.73	41	317639	53.07	ug/l	98
15) Acrylonitrile	3.15	53	460539	260.90	ug/l	99
16) Acetone	2.45	43	460576	272.90	ug/l	100
17) Carbon Disulfide	2.57	76	364584	44.42	ug/l	99
18) Methyl Acetate	2.78	43	239391	59.09	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	585586	54.60	ug/l	99
20) Methylene Chloride	2.86	84	295199	102.78	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	151409	54.69	ug/l	98
22) Diisopropyl ether	3.87	45	611224	50.20	ug/l	97
23) Vinyl Acetate	3.82	43	2709671	268.42	ug/l	99
24) 1,1-Dichloroethane	3.70	63	315068	54.48	ug/l	100
25) 2-Butanone	4.71	43	678397	219.31	ug/l	98
26) 2,2-Dichloropropane	4.59	77	255917	43.72	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	172001	46.26	ug/l	99
28) Bromochloromethane	5.02	49	130010	53.64	ug/l	99
29) Tetrahydrofuran	5.16	42	435338	216.31	ug/l	100
30) Chloroform	5.22	83	302202	46.38	ug/l	98
31) Cyclohexane	5.58	56	248209	41.19	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	263696	43.41	ug/l	99
36) 1,1-Dichloropropene	5.80	75	211084	43.33	ug/l	99
37) Ethyl Acetate	4.86	43	267945	42.19	ug/l	100
38) Carbon Tetrachloride	5.78	117	232882	40.99	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Thu May 24 13:09:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	257663	43.05	ug/l	98
40) Benzene	6.15	78	655682	45.94	ug/l	100
41) Methacrylonitrile	5.06	41	152244	45.29	ug/l	98
42) 1,2-Dichloroethane	6.20	62	260476	45.69	ug/l	100
43) Isopropyl Acetate	6.46	43	473331	44.73	ug/l	99
44) Trichloroethene	7.21	130	188520	45.33	ug/l	99
45) 1,2-Dichloropropane	7.52	63	184629	47.63	ug/l	99
46) Dibromomethane	7.67	93	122339	47.67	ug/l	99
47) Bromodichloromethane	7.90	83	245038	44.78	ug/l	100
48) Methyl methacrylate	7.78	41	238873	44.35	ug/l	99
49) 1,4-Dioxane	7.76	88	83930	884.25	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	1450314	227.34	ug/l	100
52) Toluene	8.79	92	423858	46.66	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	294422	46.72	ug/l	99
54) cis-1,3-Dichloropropene	9.04	75	284023	46.25	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	179381	47.27	ug/l	98
56) Ethyl methacrylate	9.18	69	296610	45.44	ug/l	99
57) 1,3-Dichloropropane	9.38	76	300467	48.07	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	724010	250.27	ug/l	100
59) 2-Hexanone	9.50	43	1122950	228.28	ug/l	100
60) Dibromochloromethane	9.59	129	206308	45.90	ug/l	99
61) 1,2-Dibromoethane	9.68	107	190047	47.73	ug/l	99
64) Tetrachloroethene	9.34	164	218757	45.67	ug/l	99
65) Chlorobenzene	10.14	112	493116	46.59	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	193457	45.27	ug/l	100
67) Ethyl Benzene	10.26	91	846905	46.06	ug/l	99
68) m/p-Xylenes	10.36	106	656587	93.41	ug/l	100
69) o-Xylene	10.70	106	326859	46.57	ug/l	100
70) Styrene	10.71	104	553316	47.54	ug/l	99
71) Bromoform	10.86	173	171905	42.42	ug/l #	99
73) Isopropylbenzene	11.02	105	864739	43.08	ug/l	100
74) N-amyl acetate	6.46	43	473331	45.15	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	264786	48.18	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	284933m	50.04	ug/l	
77) Bromobenzene	11.26	156	240926	45.24	ug/l	97
78) n-propylbenzene	11.37	91	996130	44.31	ug/l	100
79) 2-Chlorotoluene	11.43	91	604101	48.93	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	753285	43.91	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	93894	39.63	ug/l	95
82) 4-Chlorotoluene	11.51	91	716903	45.21	ug/l	100
83) tert-Butylbenzene	11.77	119	722456	42.92	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	788235	44.46	ug/l	100
85) sec-Butylbenzene	11.95	105	889985	43.98	ug/l	100
86) p-Isopropyltoluene	12.07	119	811564	44.82	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	438227	45.95	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	445407	46.71	ug/l	99
89) n-Butylbenzene	12.39	91	709207	46.22	ug/l	99
90) Hexachloroethane	12.60	117	142675	39.94	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	450675	46.38	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	68813	38.56	ug/l	100

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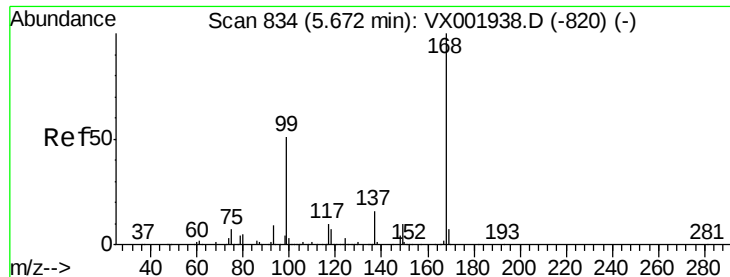
Manual Integrations
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5/30/2018 1:50:33 PM

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Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
Quant Title : SW846 8260
QLast Update : Thu May 24 13:09:03 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	335307	48.25	ug/l	100
94) Hexachlorobutadiene	13.79	225	167231	44.74	ug/l	99
95) Naphthalene	13.84	128	966727	45.15	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	340179	47.31	ug/l	99

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



#1

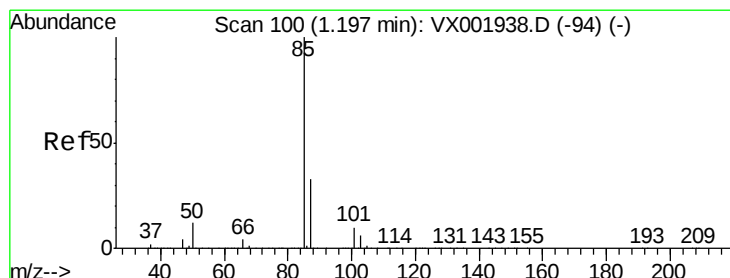
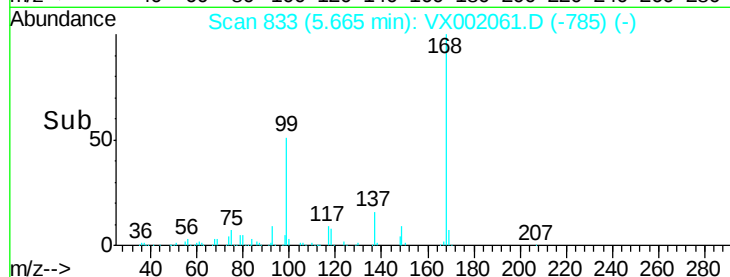
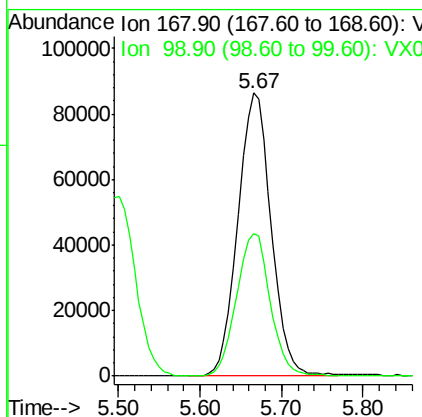
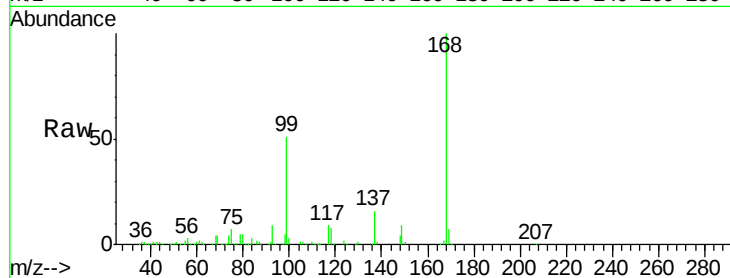
Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.01 min
 Lab File: VX002061.D
 Acq: 27 May 2018 11:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
168	100	244650		
99	50.3	41.0	61.4	

Manual Integrations
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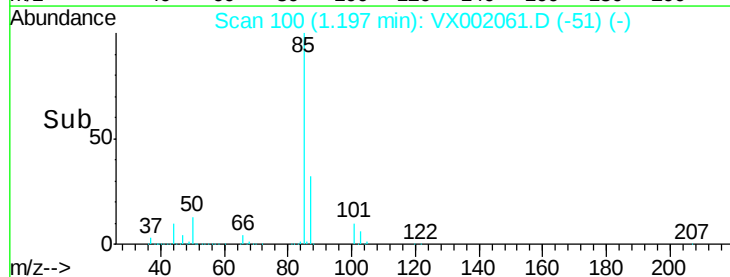
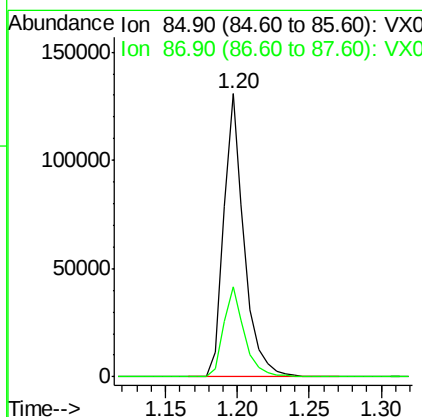
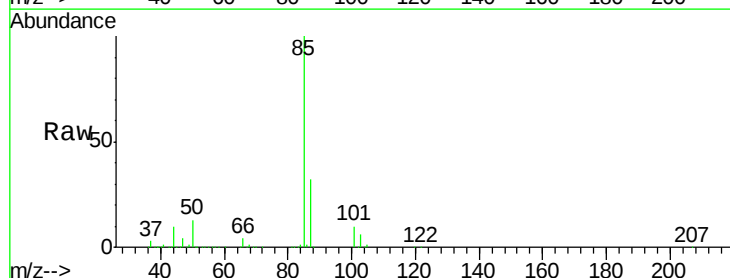
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#2

Dichlorodifluoromethane
 Concen: 42.32 ug/l
 RT: 1.20 min Scan# 100
 Delta R.T. 0.00 min
 Lab File: VX002061.D
 Acq: 27 May 2018 11:34

Tgt Ion	Ratio	Resp	Lower	Upper
85	100	130522		
87	32.0	16.7	50.0	





#3

Chloromethane

Concen: 58.68 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX002061.D

Acq: 27 May 2018 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 220880

Ion Ratio Lower Upper

50 100

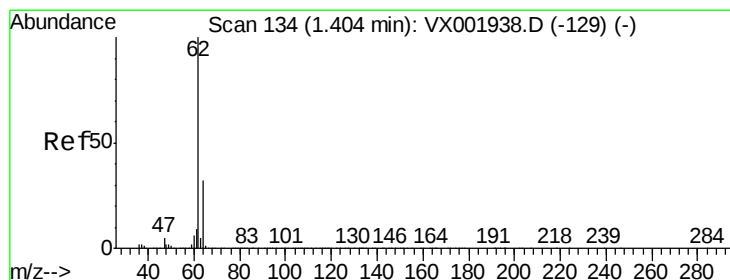
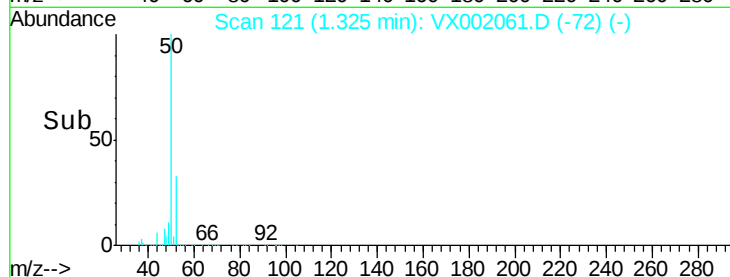
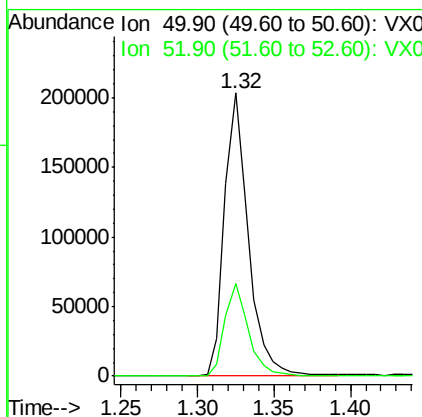
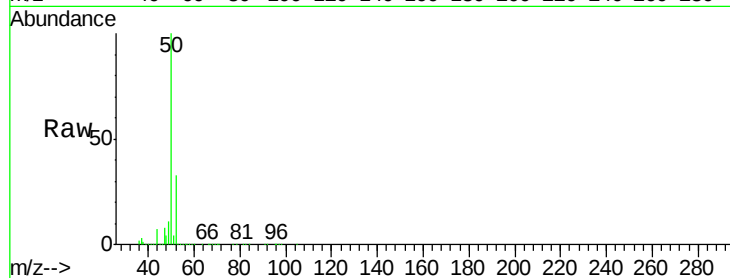
52 32.6 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 46.32 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX002061.D

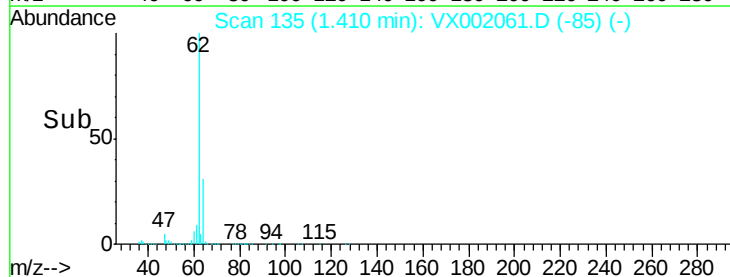
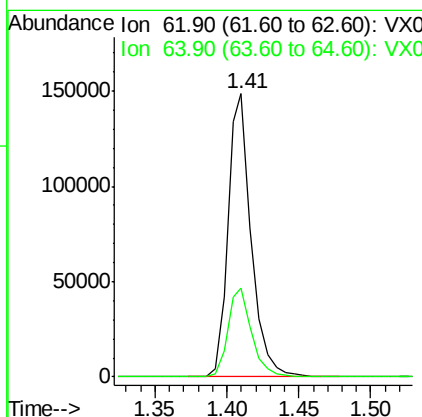
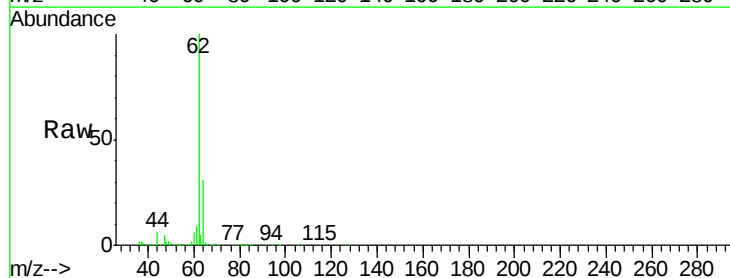
Acq: 27 May 2018 11:34

Tgt Ion: 62 Resp: 168366

Ion Ratio Lower Upper

62 100

64 31.2 25.4 38.0





#5

Bromomethane

Concen: 47.30 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002061.D

Acq: 27 May 2018 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 79222

Ion Ratio Lower Upper

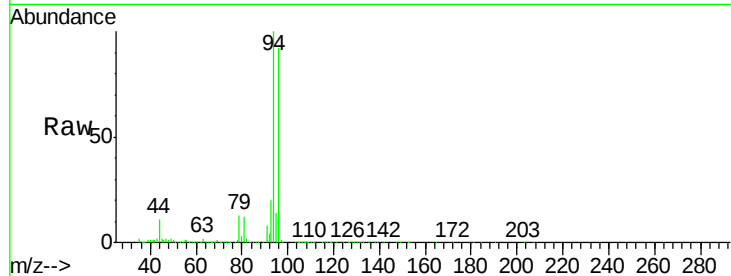
94 100

96 91.9 75.9 113.9

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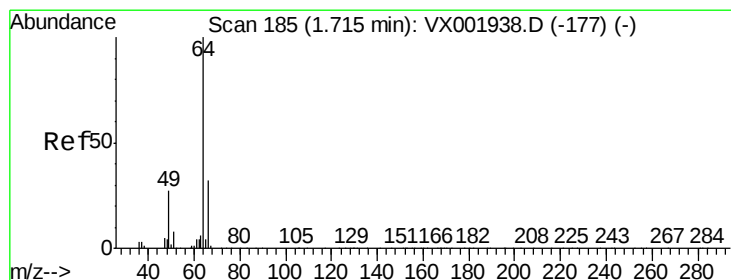
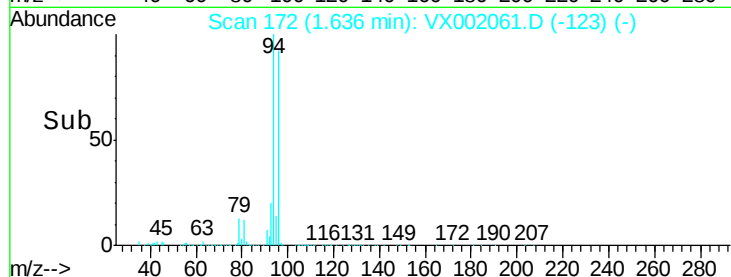
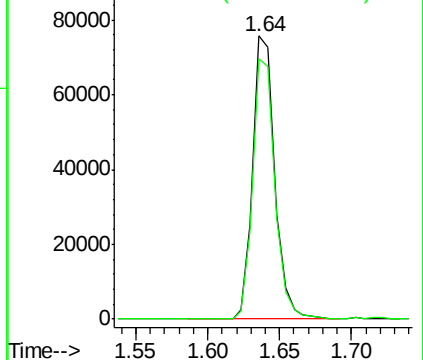
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 51.23 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX002061.D

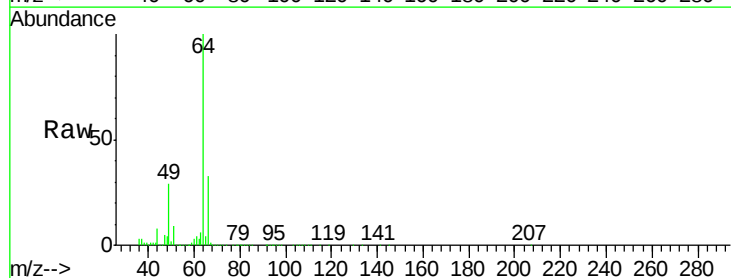
Acq: 27 May 2018 11:34

Tgt Ion: 64 Resp: 109766

Ion Ratio Lower Upper

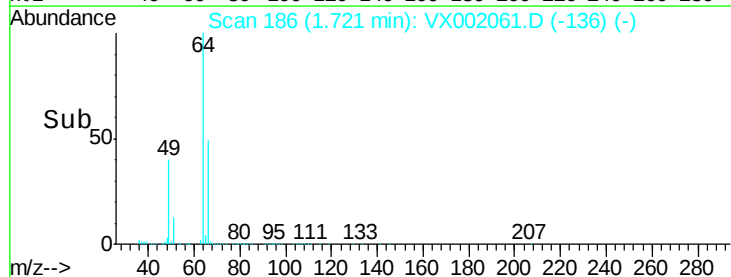
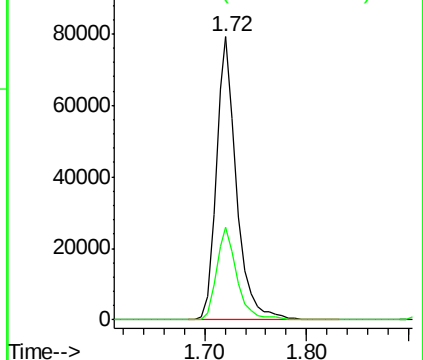
64 100

66 32.6 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

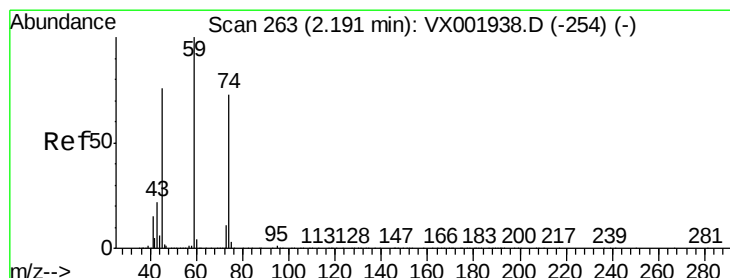
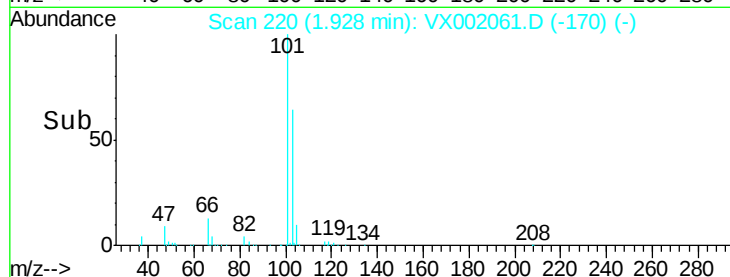
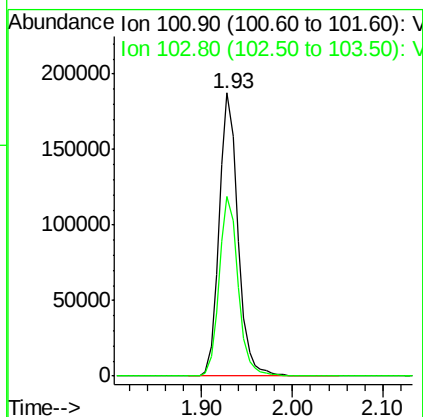
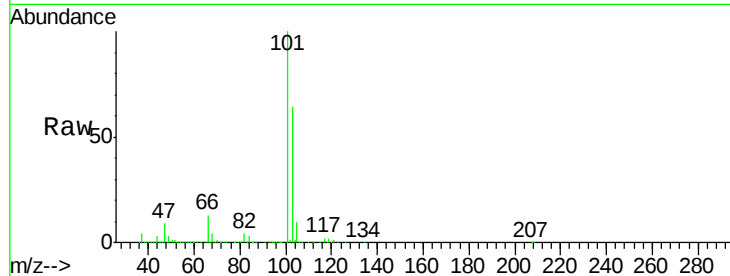
Trichlorofluoromethane
Concen: 49.67 ug/l
RT: 1.93 min Scan# 220
Delta R.T. 0.01 min
Lab File: VX002061.D
Acq: 27 May 2018 11:34

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	51.4	77.0

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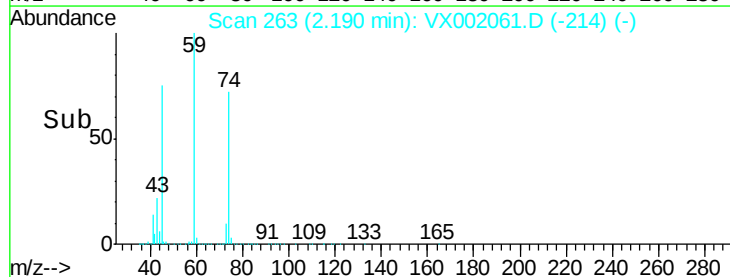
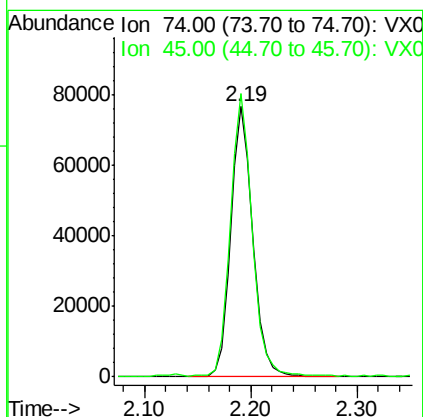
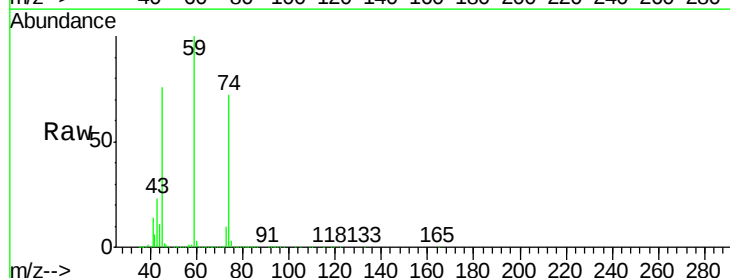
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5/30/2018 1:50:33 PM



#8

Diethyl Ether
Concen: 56.10 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.00 min
Lab File: VX002061.D
Acq: 27 May 2018 11:34

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.2	51.5	154.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.13 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX002061.D

Acq: 27 May 2018 11:34

Instrument :

MSVOA_X

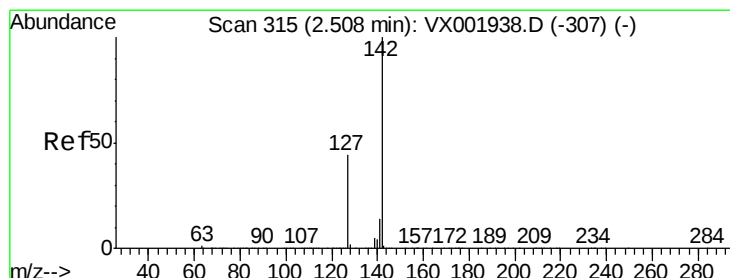
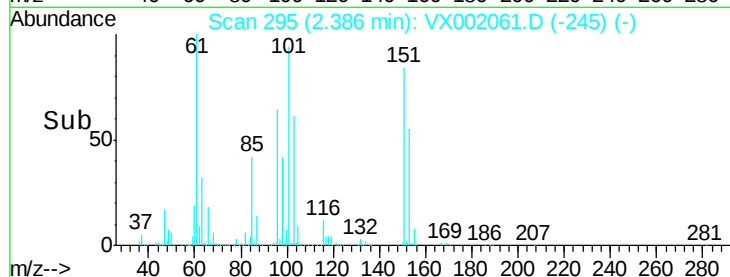
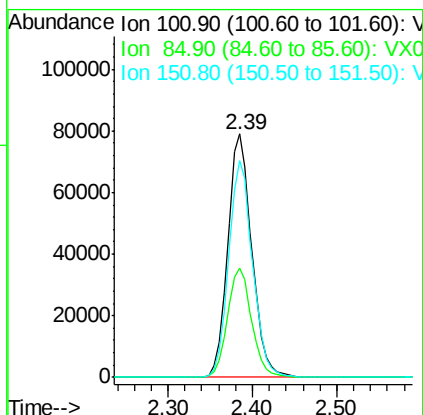
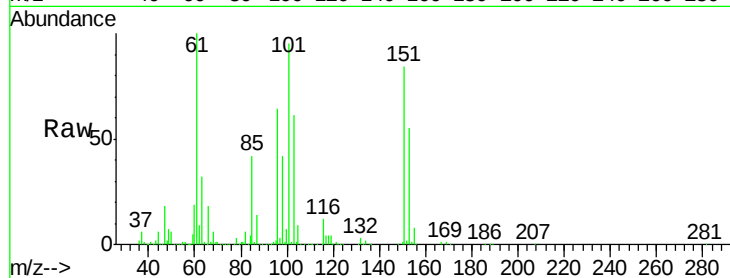
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	152694
Ion Ratio	Lower	Upper	
101	100		
85	45.4	35.6	53.4
151	89.0	73.2	109.8

Manual Integrations
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5/30/2018 1:50:33 PM



#10

Methyl Iodide

Concen: 42.75 ug/l

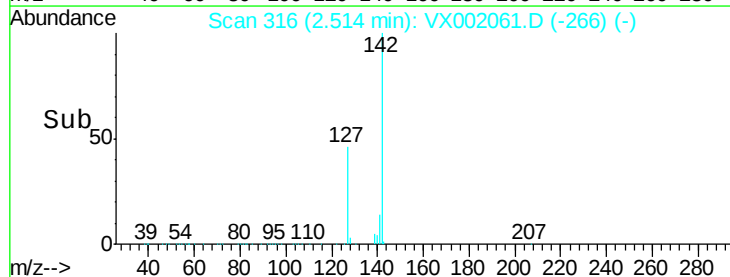
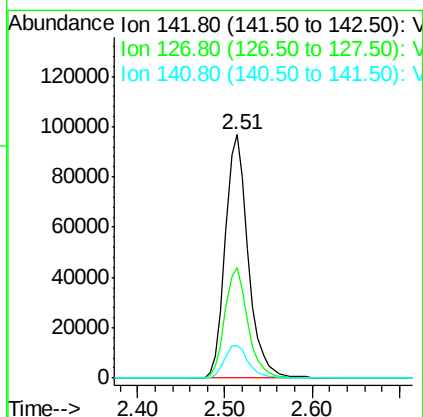
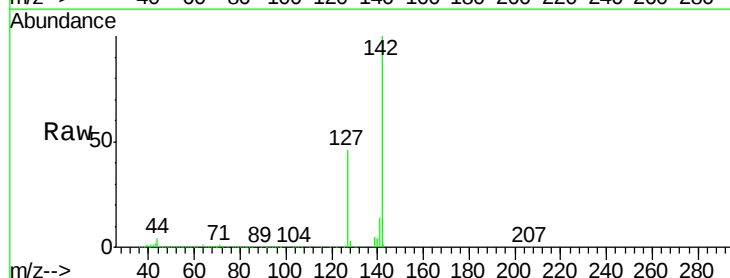
RT: 2.51 min Scan# 316

Delta R.T. 0.01 min

Lab File: VX002061.D

Acq: 27 May 2018 11:34

Tgt Ion:	142	Resp:	176185
Ion Ratio	Lower	Upper	
142	100		
127	45.6	35.5	53.3
141	14.2	11.3	16.9





#11

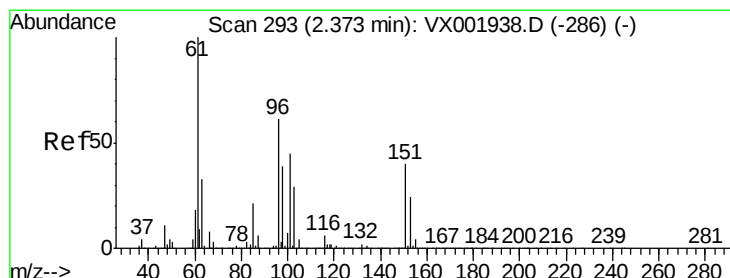
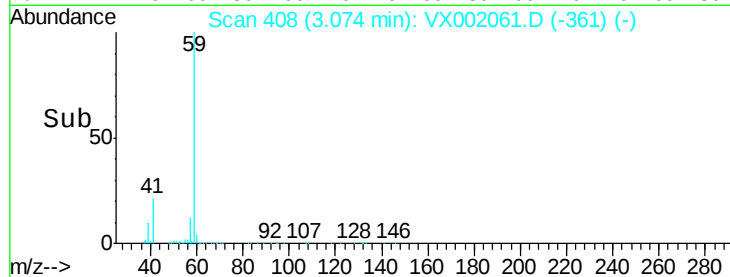
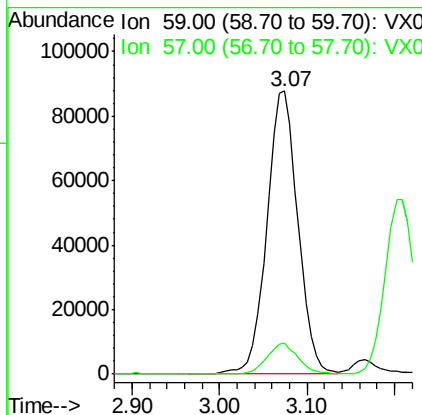
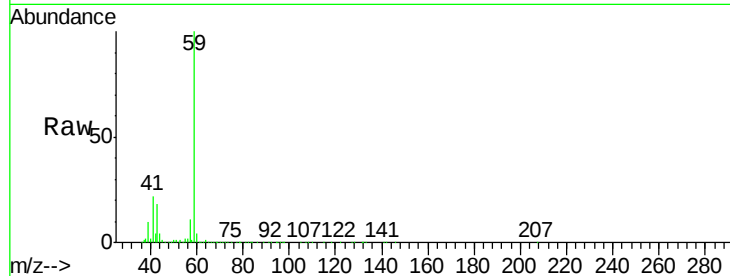
Tert butyl alcohol
Concen: 253.70 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX002061.D
Acq: 27 May 2018 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.9	13.3

Manual Integrations
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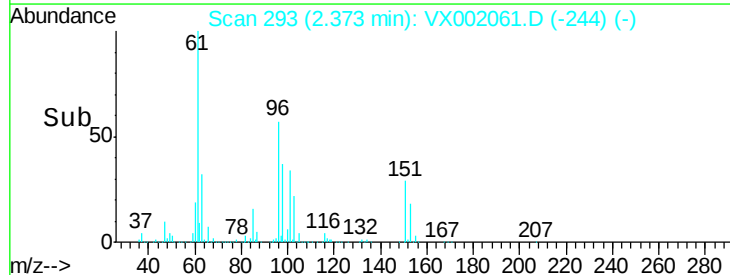
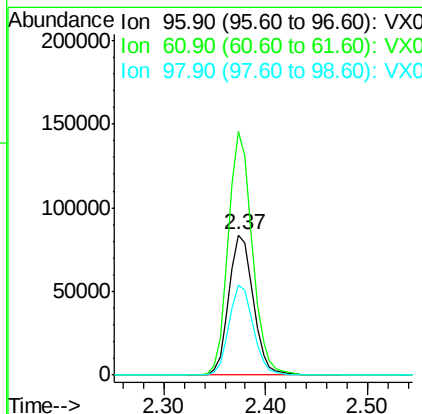
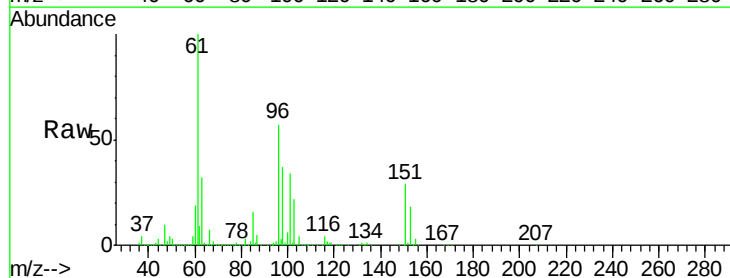
MMDadoda
5/30/2018 1:50:33 PM



#12

1,1-Dichloroethene
Concen: 48.67 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.00 min
Lab File: VX002061.D
Acq: 27 May 2018 11:34

Tgt Ion	Ratio	Lower	Upper
96	100		
61	174.0	131.7	197.5
98	64.3	51.6	77.4





#13

Acrolein

Concen: 171.18 ug/l

RT: 2.30 min Scan# 281

Delta R.T. -0.00 min

Lab File: VX002061.D

Acq: 27 May 2018 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 63532

Ion Ratio Lower Upper

56 100

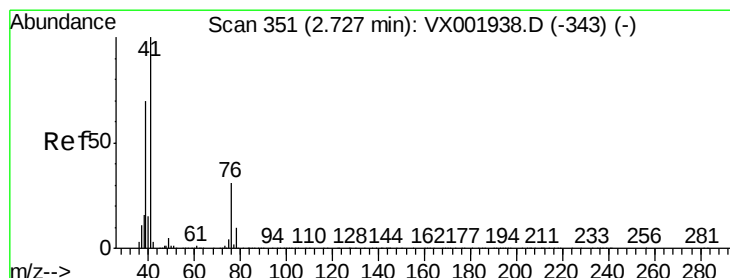
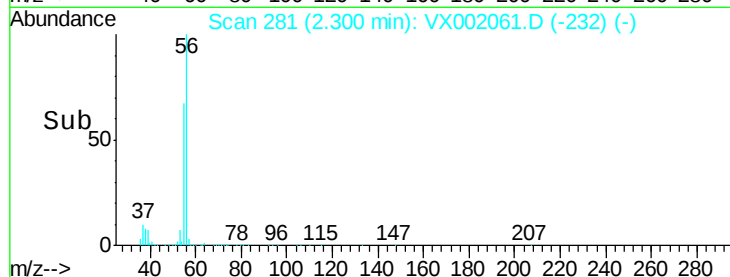
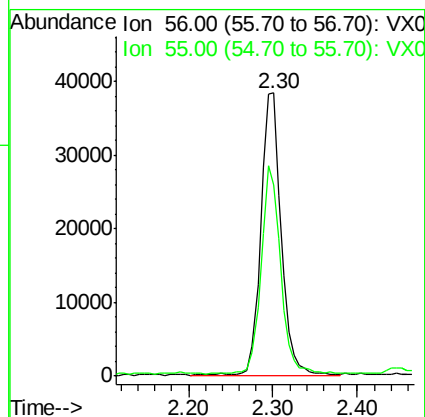
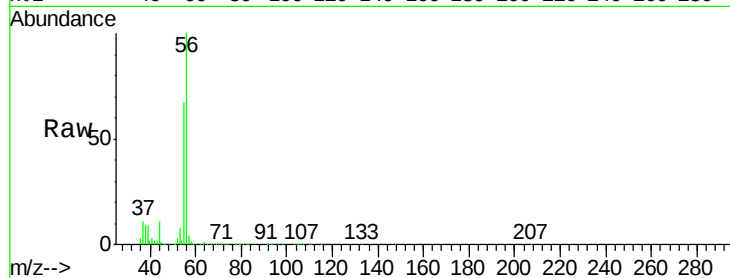
55 70.9 56.8 85.2

Manual Integrations

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MMDadoda

5/30/2018 1:50:33 PM



#14

Allyl chloride

Concen: 53.07 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX002061.D

Acq: 27 May 2018 11:34

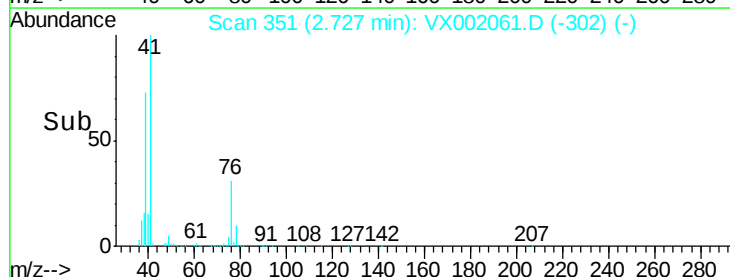
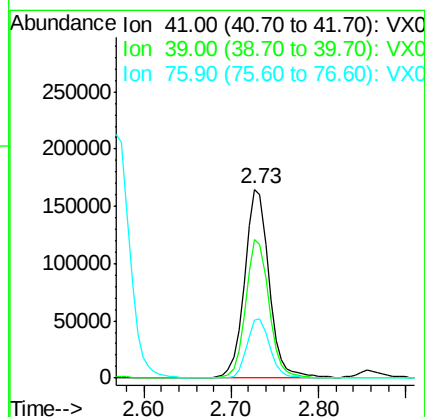
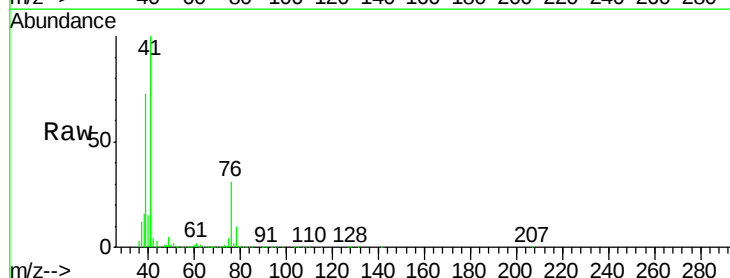
Tgt Ion: 41 Resp: 317639

Ion Ratio Lower Upper

41 100

39 69.6 54.3 81.5

76 29.5 24.2 36.4





#15

Acrylonitrile

Concen: 260.90 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX002061.D

Acq: 27 May 2018 11:34

Instrument :

MSVOA_X

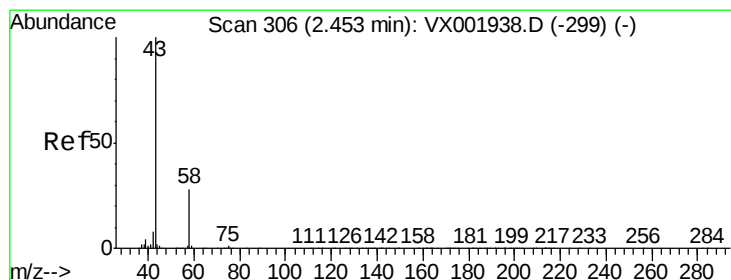
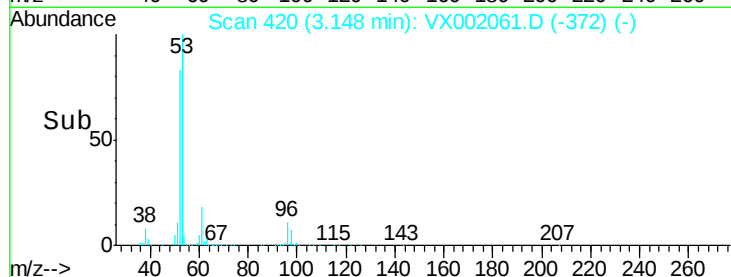
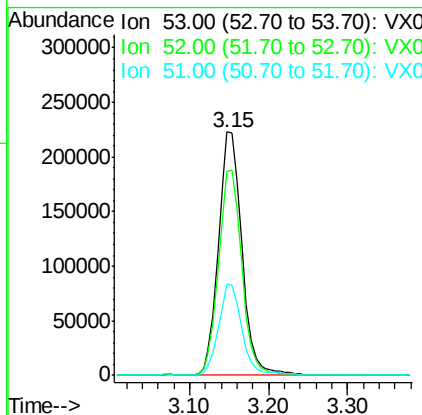
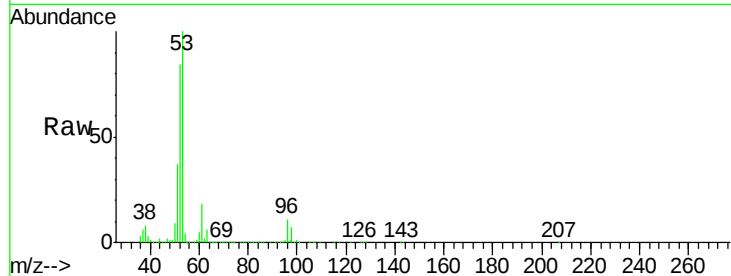
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	460539
Ion Ratio		Lower	Upper
53	100		
52	83.9	66.4	99.6
51	37.5	29.3	43.9

Manual Integrations
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5/30/2018 1:50:33 PM



#16

Acetone

Concen: 272.90 ug/l

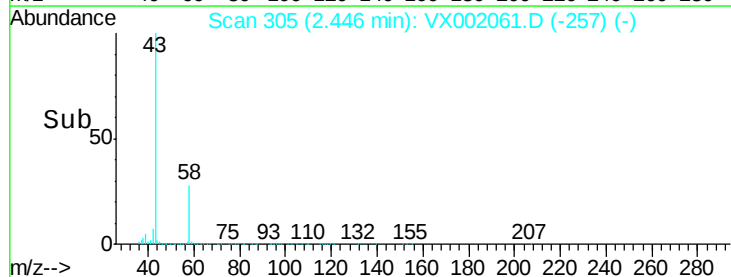
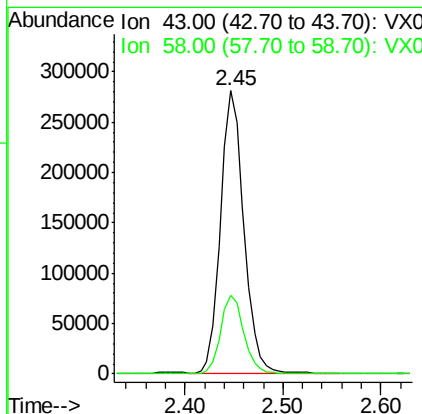
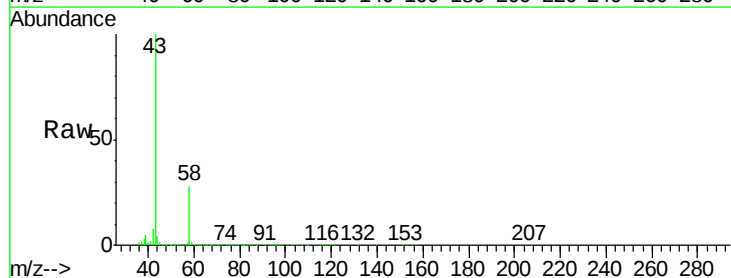
RT: 2.45 min Scan# 305

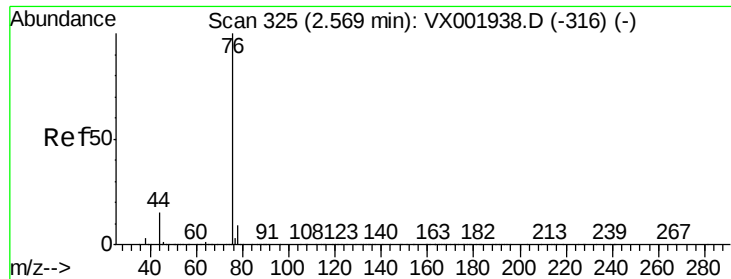
Delta R.T. -0.01 min

Lab File: VX002061.D

Acq: 27 May 2018 11:34

Tgt Ion:	43	Resp:	460576
Ion Ratio		Lower	Upper
43	100		
58	27.8	22.3	33.5





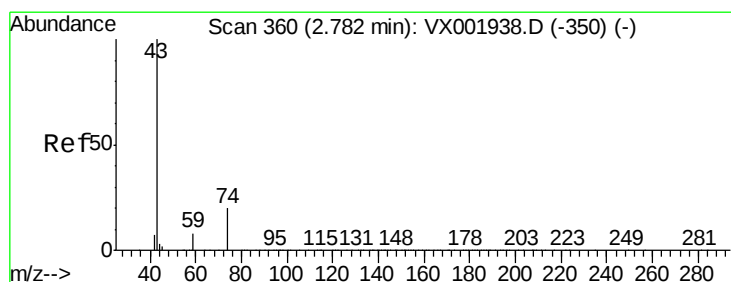
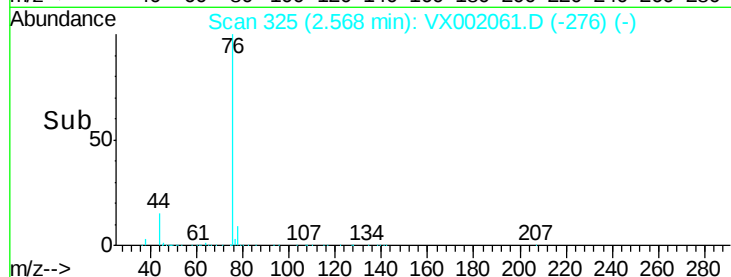
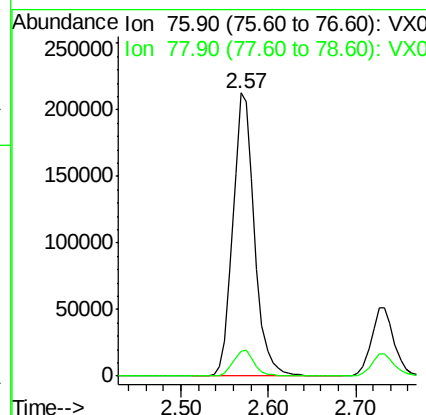
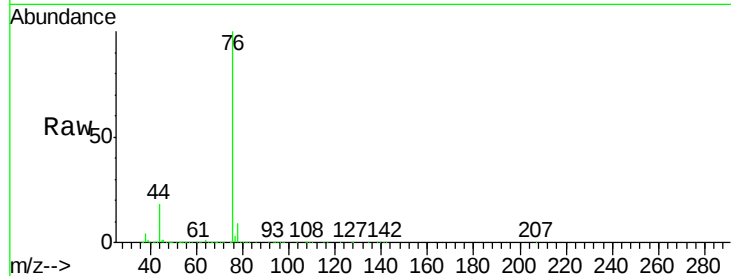
#17
Carbon Disulfide
Concen: 44.42 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.00 min
Lab File: VX002061.D
Acq: 27 May 2018 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.4	11.2

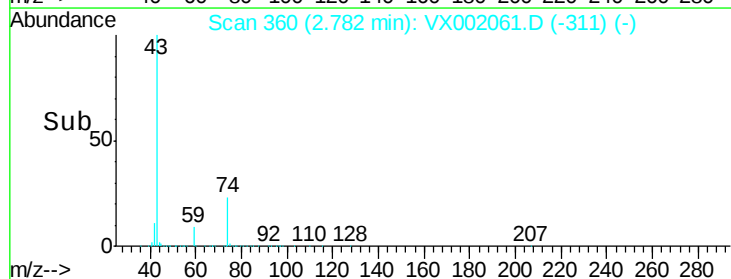
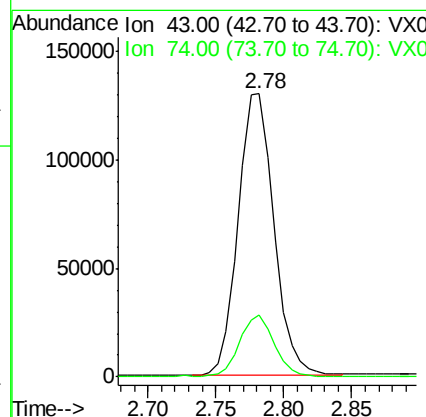
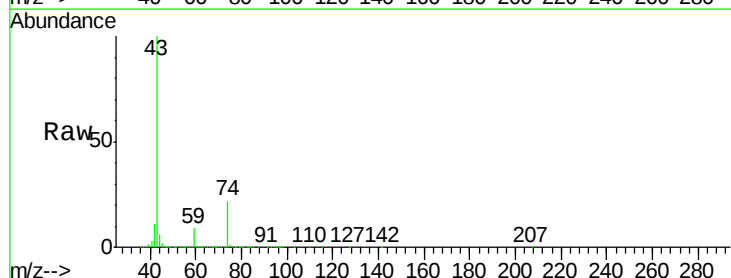
Manual Integrations
APPROVED

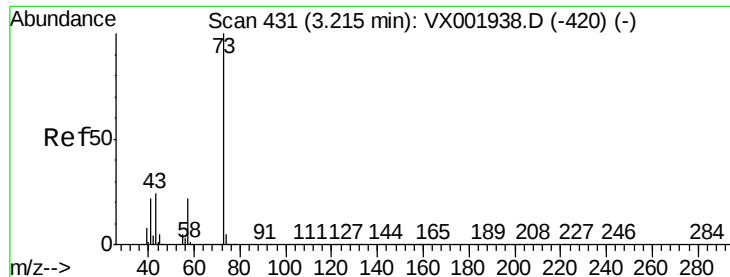
MMDadoda
5/30/2018 1:50:33 PM



#18
Methyl Acetate
Concen: 59.09 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX002061.D
Acq: 27 May 2018 11:34

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.9	16.8	25.2





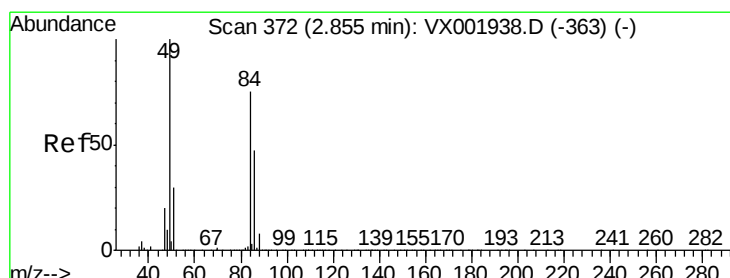
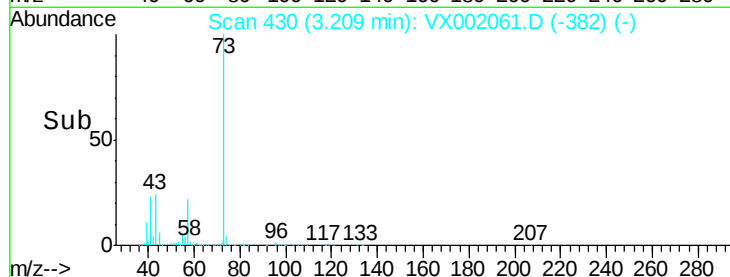
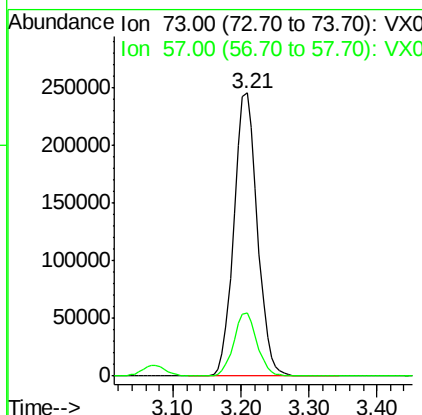
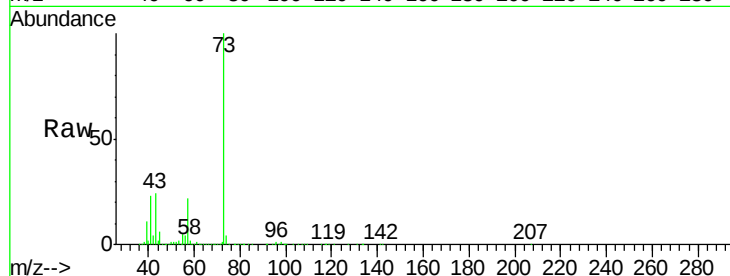
#19
Methyl tert-butyl Ether
Concen: 54.60 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.01 min
Lab File: VX002061.D
Acq: 27 May 2018 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.0	17.4	26.0

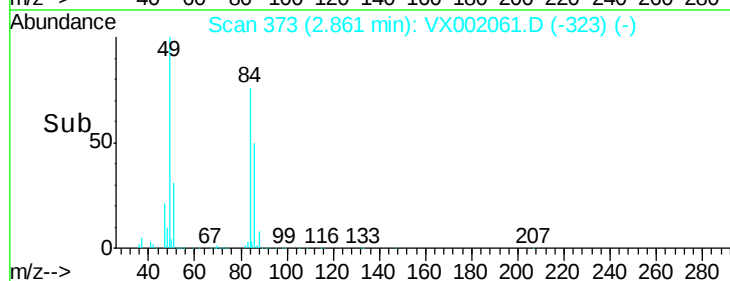
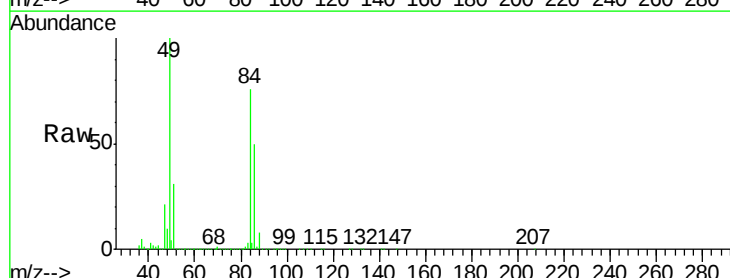
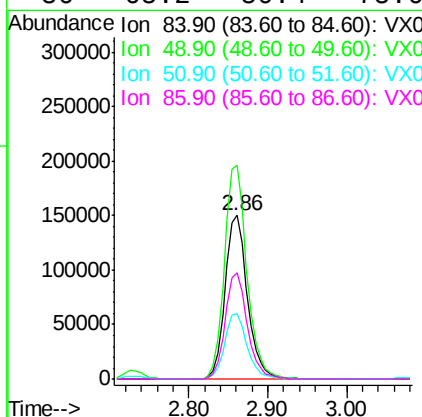
Manual Integrations
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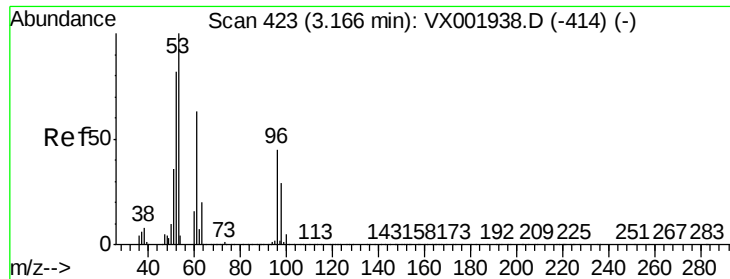
MMDadoda
5/30/2018 1:50:33 PM



#20
Methylene Chloride
Concen: 102.78 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX002061.D
Acq: 27 May 2018 11:34

Tgt Ion	Ratio	Lower	Upper
84	100		
49	130.8	107.2	160.8
51	40.2	32.4	48.6
86	65.2	50.4	75.6





#21

trans-1,2-Dichloroethene

Concen: 54.69 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX002061.D

Acq: 27 May 2018 11:34

Instrument :

MSVOA_X

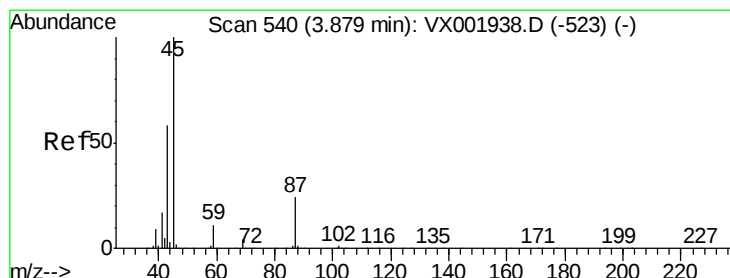
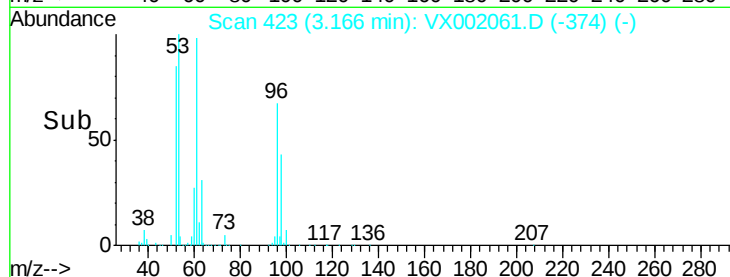
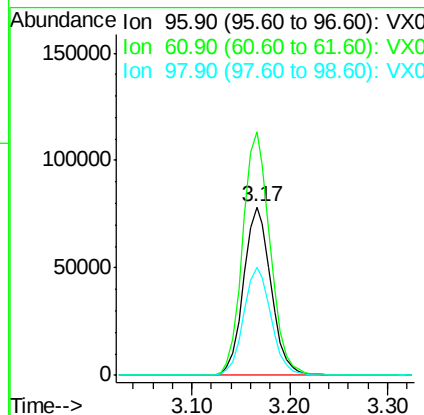
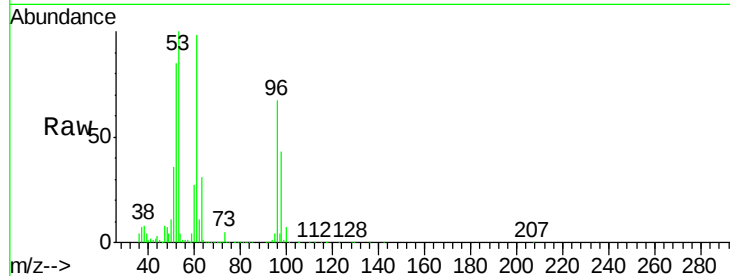
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	151409
Ion	Ratio	Lower	Upper
96	100		
61	144.9	113.3	169.9
98	64.3	51.7	77.5

Manual Integrations
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MMDadoda
5/30/2018 1:50:33 PM



#22

Diisopropyl ether

Concen: 50.20 ug/l

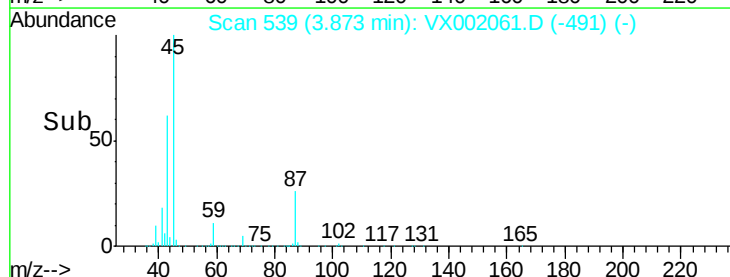
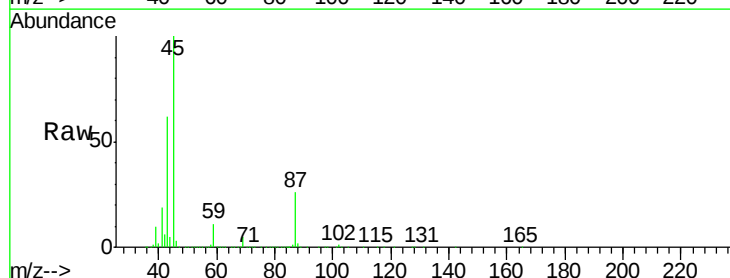
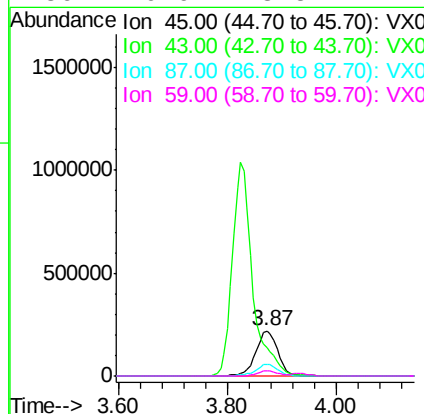
RT: 3.87 min Scan# 539

Delta R.T. -0.01 min

Lab File: VX002061.D

Acq: 27 May 2018 11:34

Tgt Ion:	45	Resp:	611224
Ion	Ratio	Lower	Upper
45	100		
43	61.6	47.0	70.6
87	26.1	19.4	29.0
59	10.9	8.5	12.7





#23

Vinyl Acetate

Concen: 268.42 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.01 min

Lab File: VX002061.D

Acq: 27 May 2018 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2709671

Ion Ratio Lower Upper

43 100

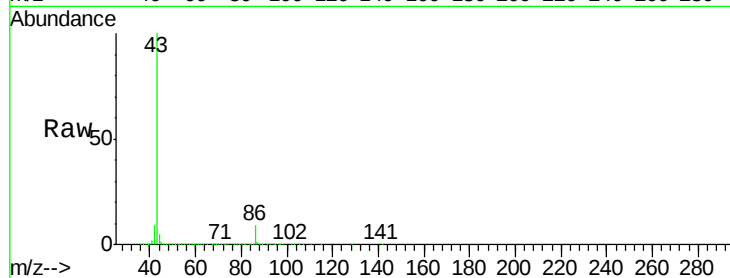
86 9.3 7.6 11.4

Manual Integrations

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5/30/2018 1:50:33 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

1200000

1000000

800000

600000

400000

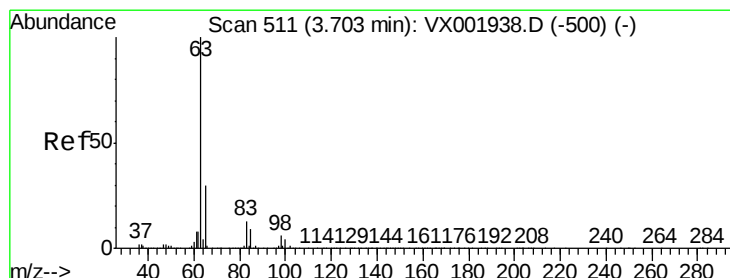
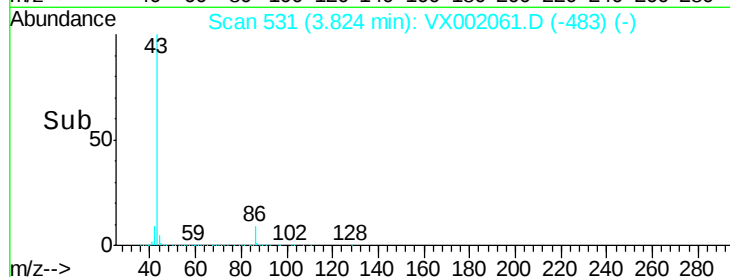
200000

0

3.82

3.60 3.80 4.00

Time-->



#24

1,1-Dichloroethane

Concen: 54.48 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.01 min

Lab File: VX002061.D

Acq: 27 May 2018 11:34

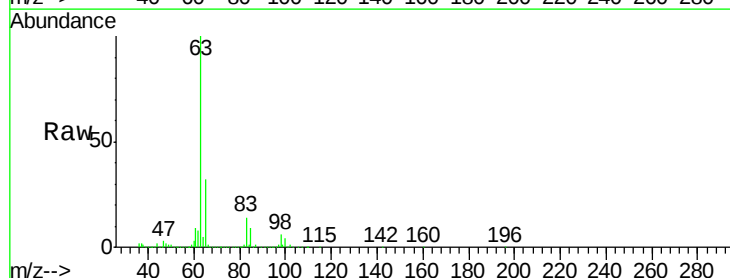
Tgt Ion: 63 Resp: 315068

Ion Ratio Lower Upper

63 100

98 6.4 3.3 9.8

100 4.1 2.1 6.5



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

150000

100000

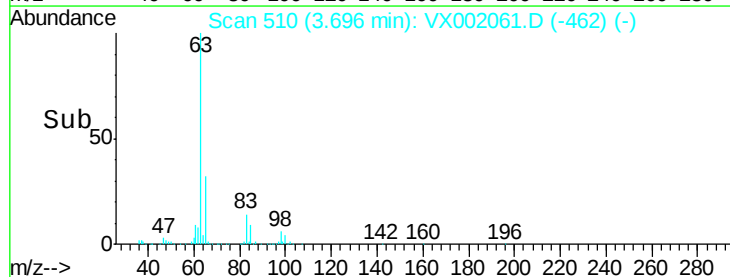
50000

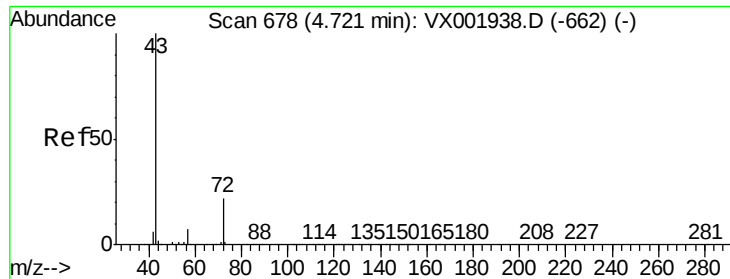
0

3.70

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 219.31 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.01 min

Lab File: VX002061.D

Acq: 27 May 2018 11:34

Tot Ion: 43 Resp: 678397

Ion Ratio Lower Upper

43 100

72 23.2 17.9 26.9

Instrument :

MSVOA_X

ClientSampleId :

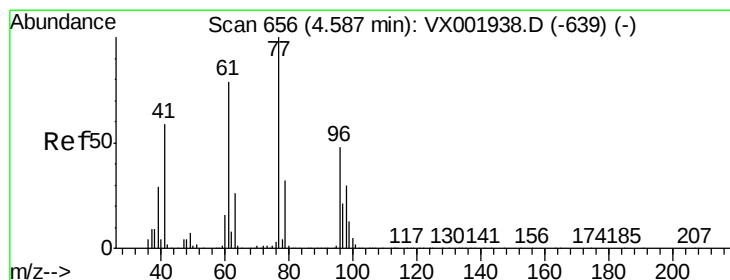
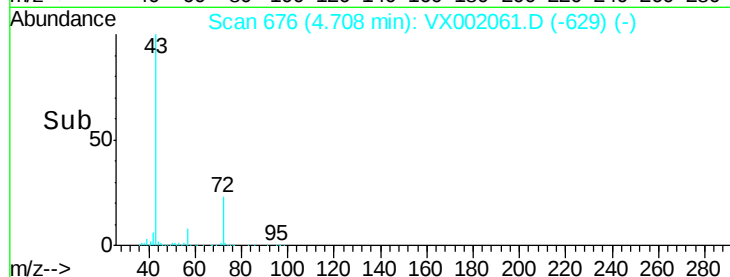
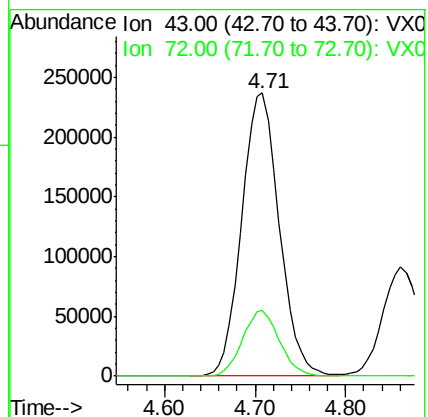
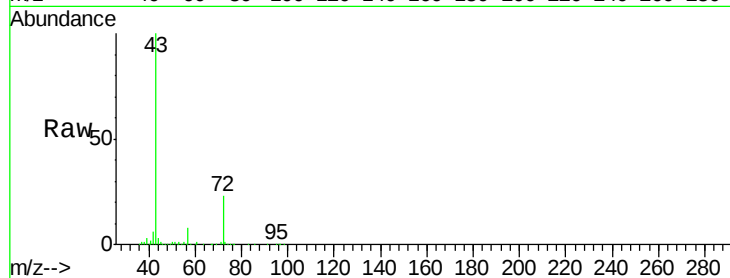
VSTDCCC050

Manual Integrations

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MMDadoda

5/30/2018 1:50:33 PM



#26

2,2-Dichloropropane

Concen: 43.72 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX002061.D

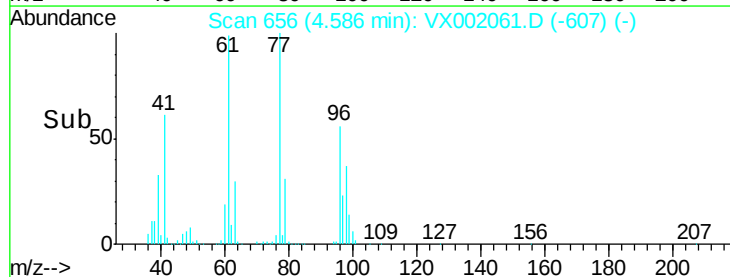
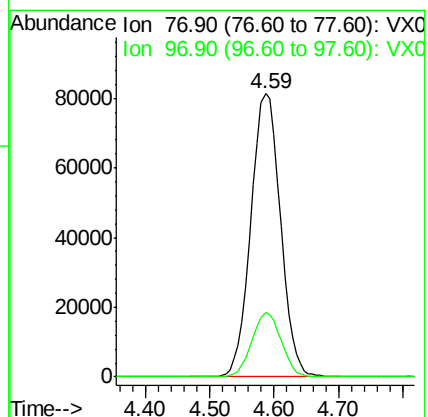
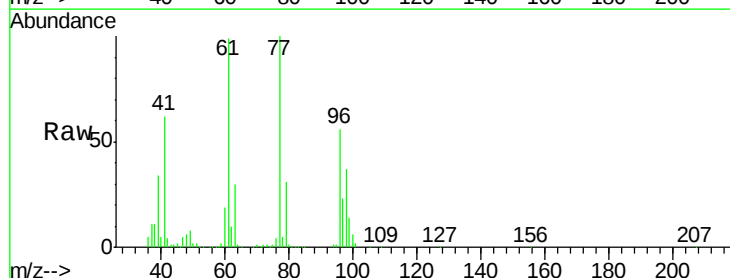
Acq: 27 May 2018 11:34

Tgt Ion: 77 Resp: 255917

Ion Ratio Lower Upper

77 100

97 22.6 11.2 33.5





#27

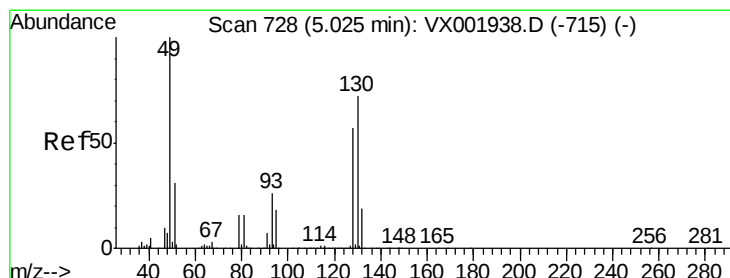
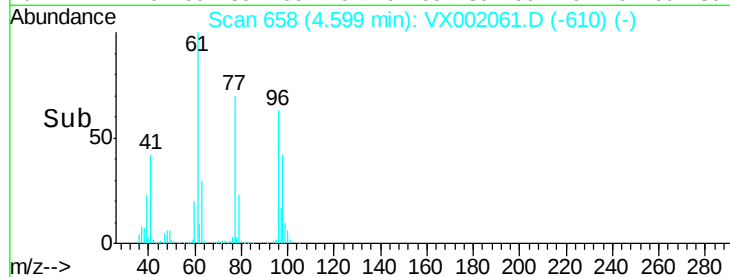
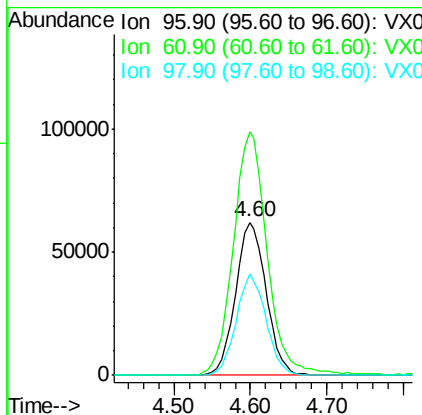
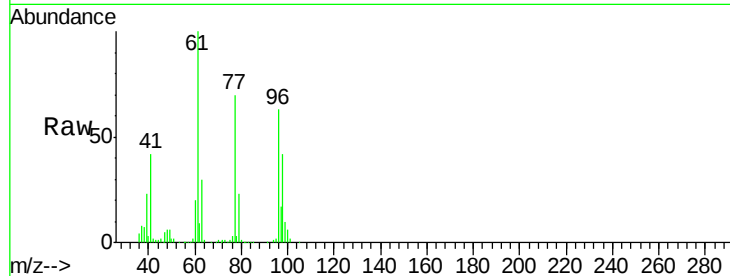
cis-1,2-Dichloroethene
Concen: 46.26 ug/l
RT: 4.60 min Scan# 658
Delta R.T. -0.01 min
Lab File: VX002061.D
Acq: 27 May 2018 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	172001		
61	175.8		0.0	348.4
98	65.0		0.0	128.6

Manual Integrations
APPROVED

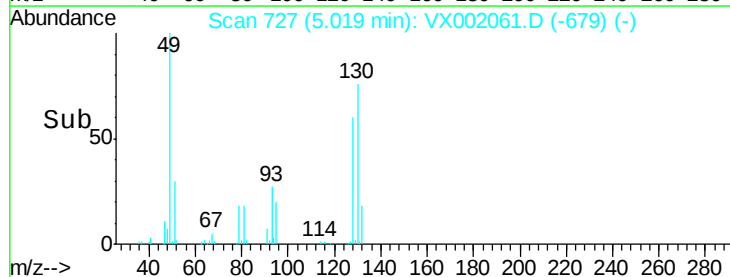
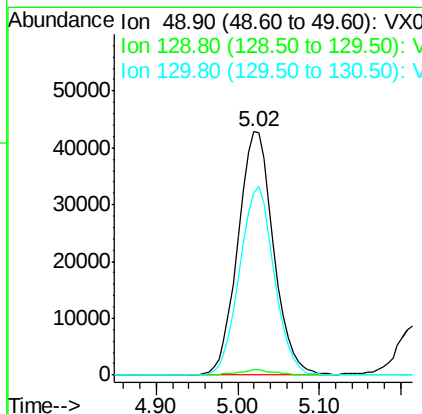
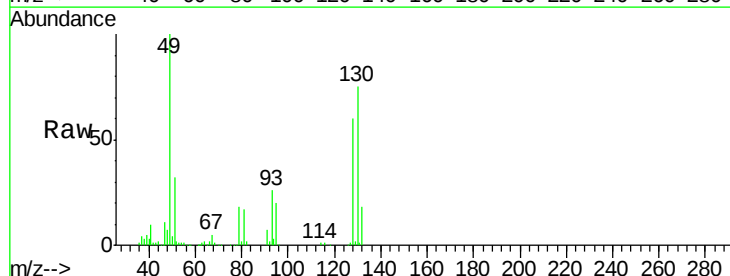
MMDadoda
5/30/2018 1:50:33 PM



#28

Bromochloromethane
Concen: 53.64 ug/l
RT: 5.02 min Scan# 727
Delta R.T. -0.01 min
Lab File: VX002061.D
Acq: 27 May 2018 11:34

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	130010		
129	2.2		0.0	3.8
130	75.2		59.4	89.2





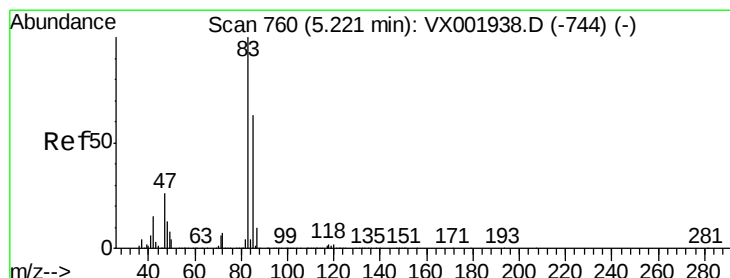
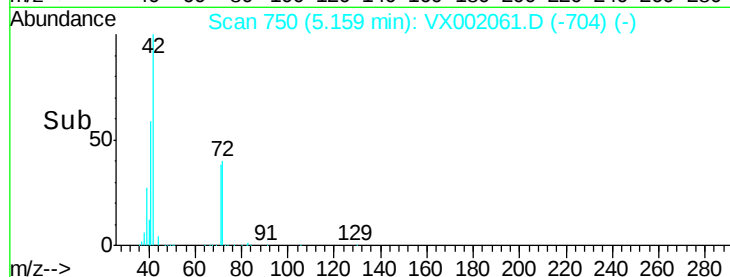
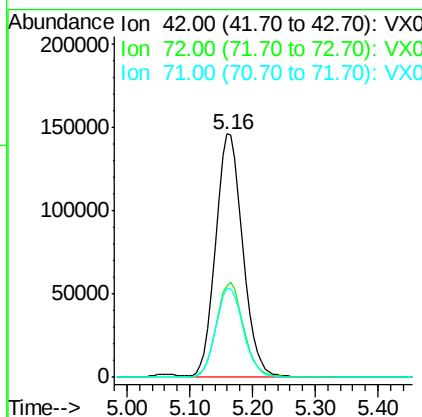
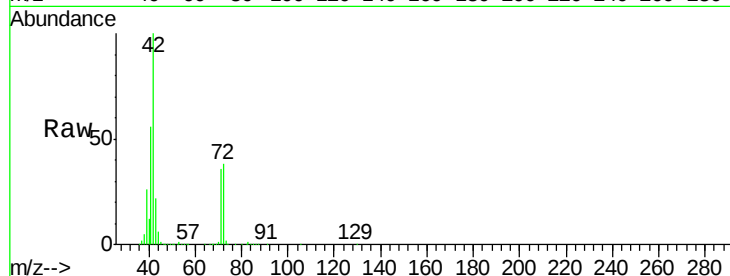
#29
Tetrahydrofuran
Concen: 216.31 ug/l
RT: 5.16 min Scan# 750
Delta R.T. -0.02 min
Lab File: VX002061.D
Acq: 27 May 2018 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp Lower	Upper
42	100		
72	39.4	31.4	47.0
71	37.2	29.5	44.3

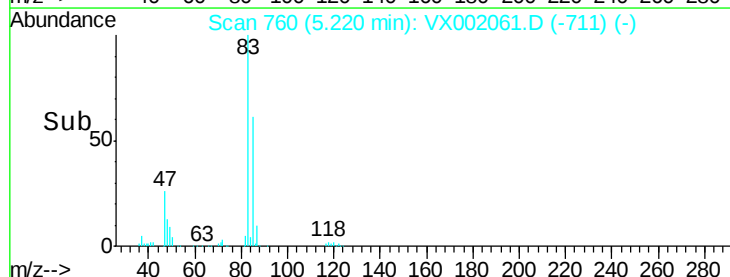
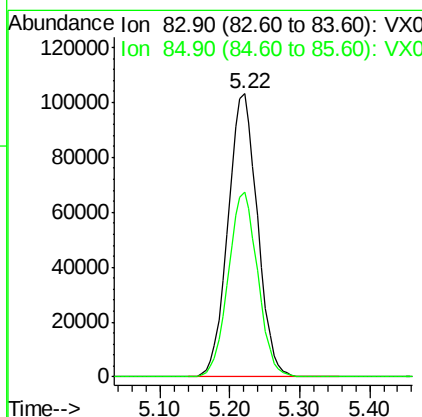
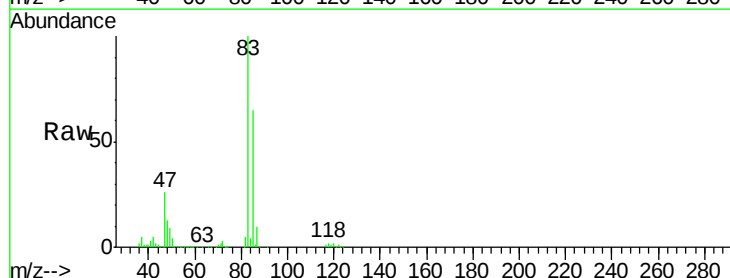
Manual Integrations
APPROVED

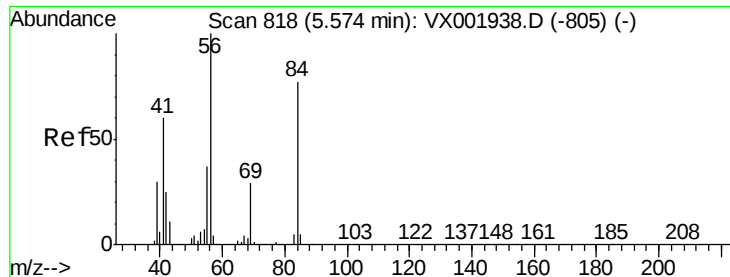
MMDadoda
5/30/2018 1:50:33 PM



#30
Chloroform
Concen: 46.38 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX002061.D
Acq: 27 May 2018 11:34

Tgt Ion	Ratio	Resp Lower	Upper
83	100		
85	65.2	50.9	76.3





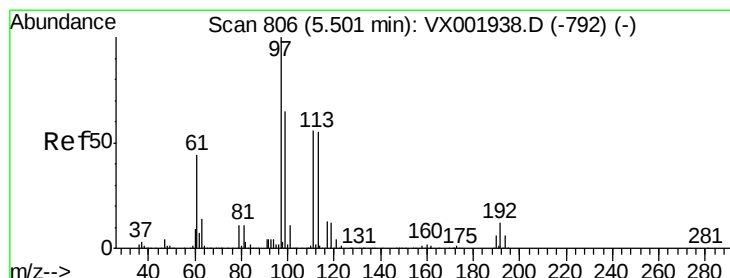
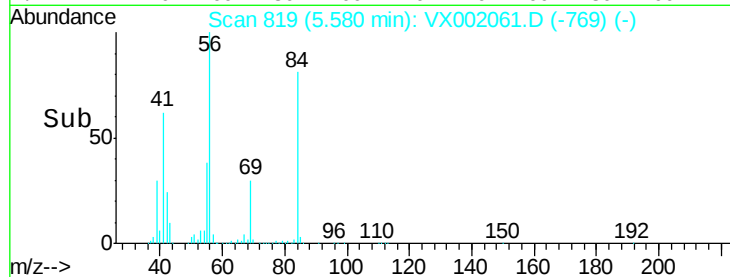
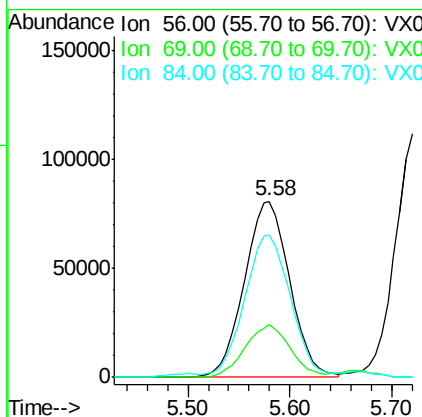
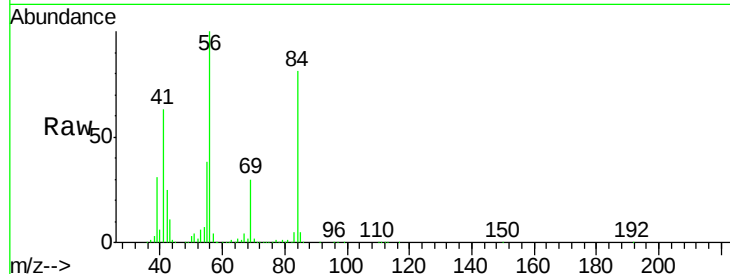
#31
Cyclohexane
Concen: 41.19 ug/l
RT: 5.58 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX002061.D
Acq: 27 May 2018 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.8	23.1	34.7
84	78.8	62.0	93.0

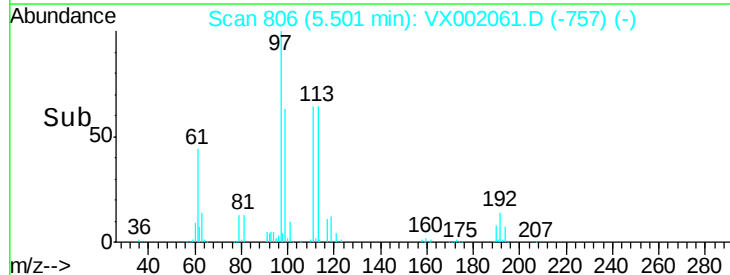
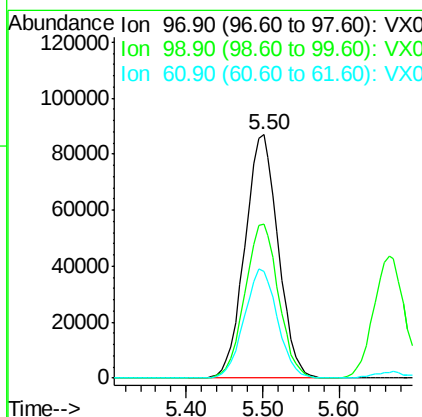
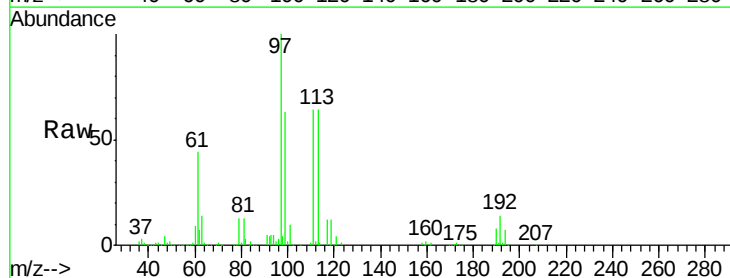
Manual Integrations
APPROVED

MMDadoda
5/30/2018 1:50:33 PM



#32
1,1,1-Trichloroethane
Concen: 43.41 ug/l
RT: 5.50 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX002061.D
Acq: 27 May 2018 11:34

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.9	77.9
61	44.9	35.9	53.9





#33

1,2-Dichloroethane-d4

Concen: 46.23 ug/l

RT: 6.07 min Scan# 899

Delta R.T. -0.01 min

Lab File: VX002061.D

Acq: 27 May 2018 11:34

Tot Ion: 65 Resp: 202152

Ion Ratio Lower Upper

65 100

67 51.7 0.0 104.0

Instrument :

MSVOA_X

ClientSampleId :

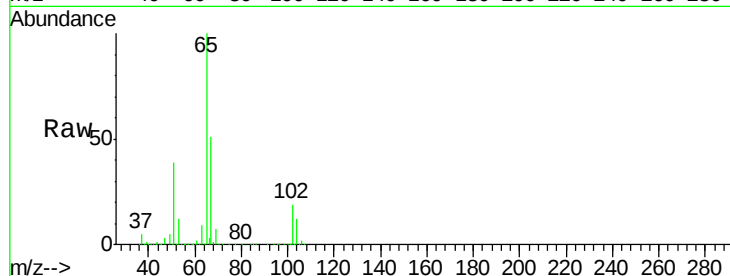
VSTDCCC050

Manual Integrations

APPROVED

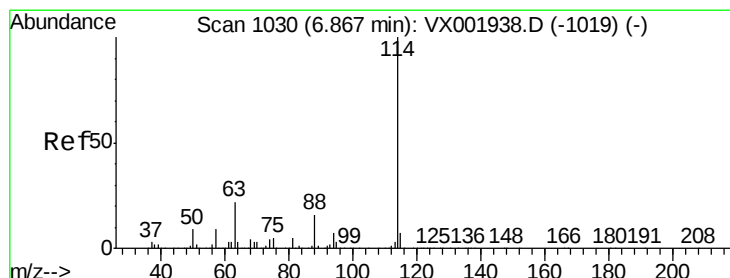
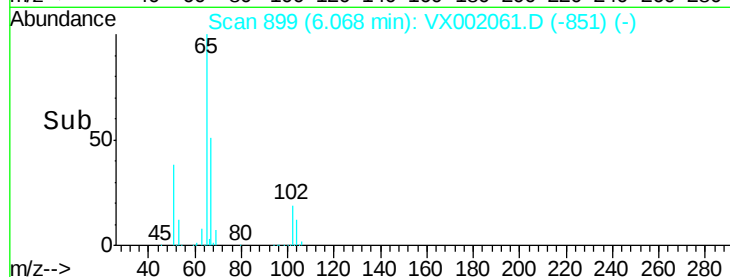
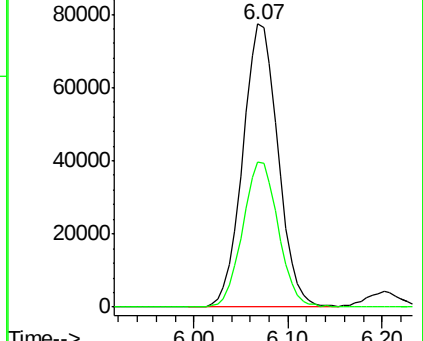
MMDadoda

5/30/2018 1:50:33 PM



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: 6.86 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VX002061.D

Acq: 27 May 2018 11:34

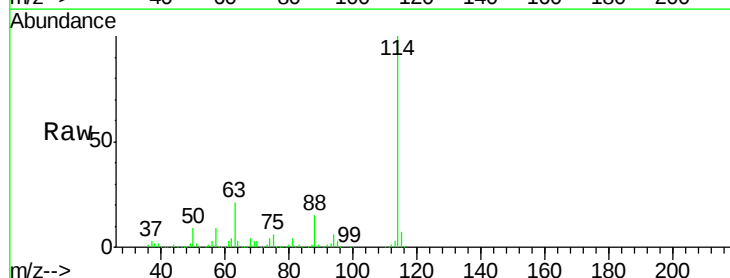
Tgt Ion: 114 Resp: 350254

Ion Ratio Lower Upper

114 100

63 21.2 0.0 43.2

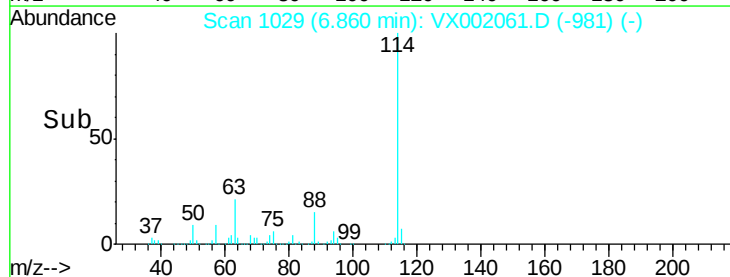
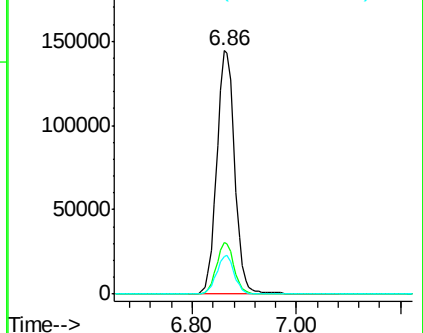
88 15.2 0.0 31.6

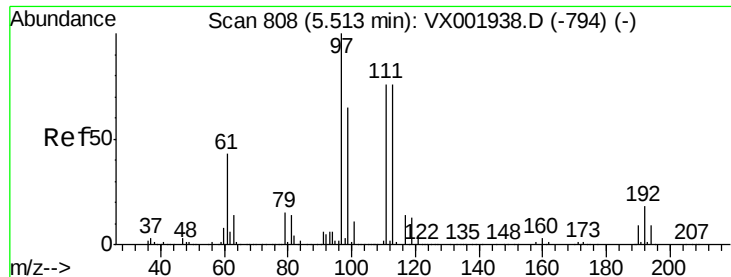


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





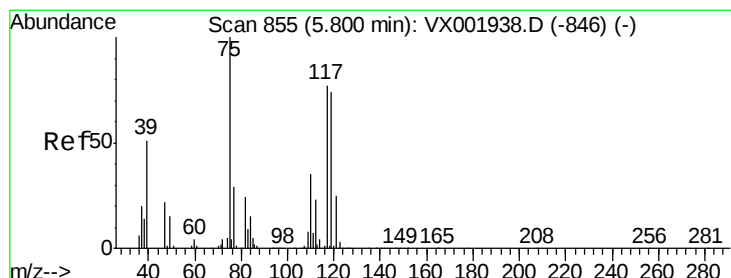
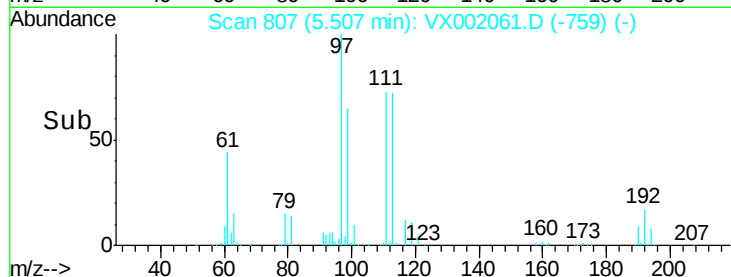
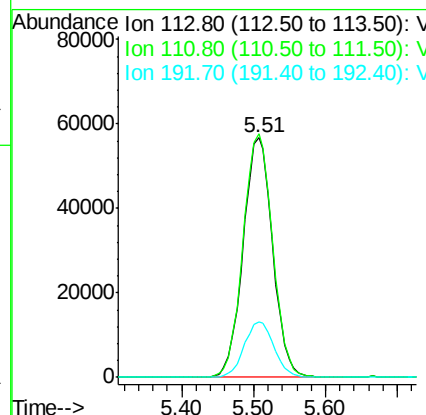
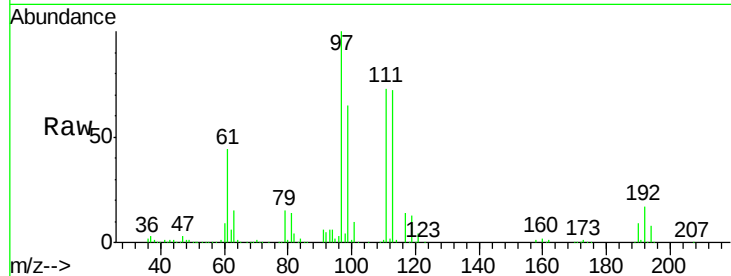
#35
Dibromofluoromethane
Concen: 45.92 ug/l
RT: 5.51 min Scan# 807
Delta R.T. -0.01 min
Lab File: VX002061.D
Acq: 27 May 2018 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	160835		
111	102.2	82.0	123.0	
192	23.5	18.9	28.3	

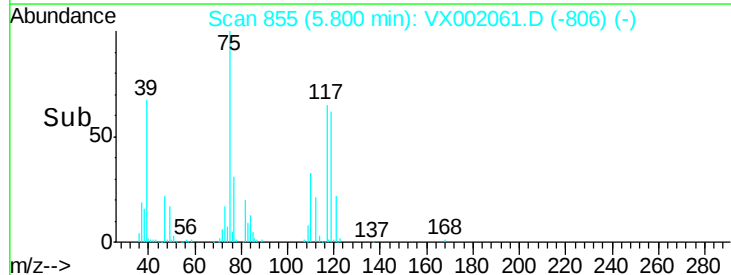
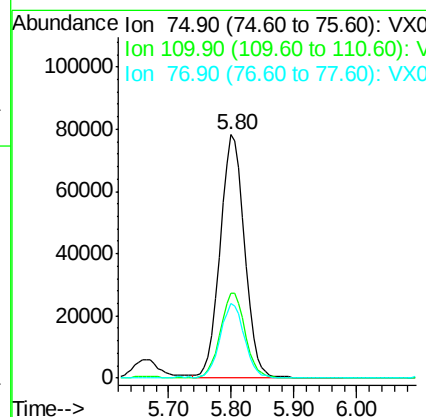
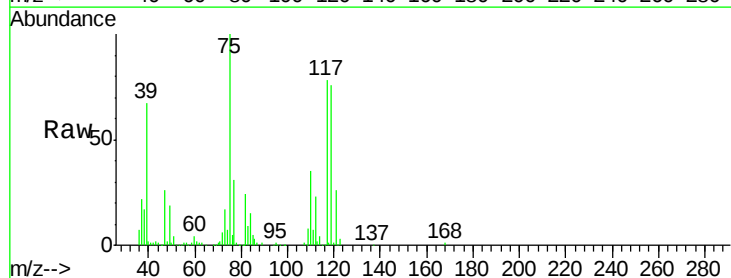
Manual Integrations
APPROVED

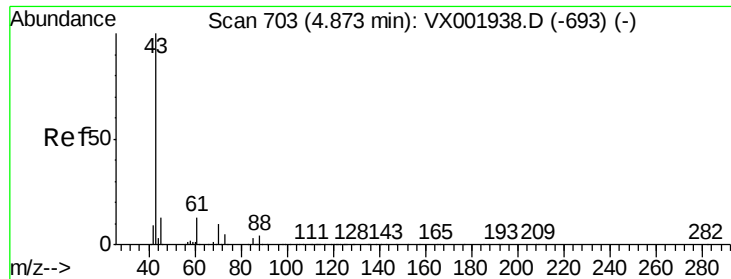
MMDadoda
5/30/2018 1:50:33 PM



#36
1,1-Dichloropropene
Concen: 43.33 ug/l
RT: 5.80 min Scan# 855
Delta R.T. -0.00 min
Lab File: VX002061.D
Acq: 27 May 2018 11:34

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	211084		
110	35.6	17.4	52.2	
77	30.3	24.4	36.6	





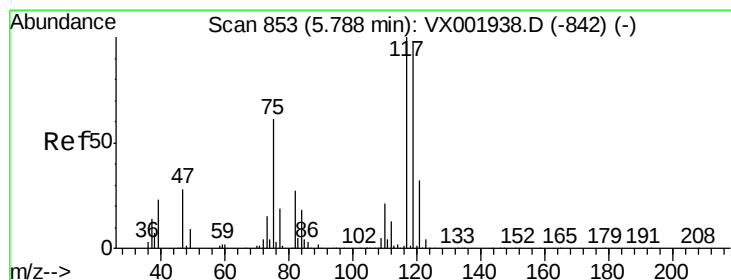
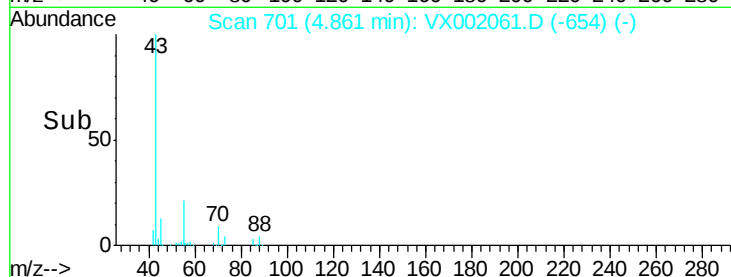
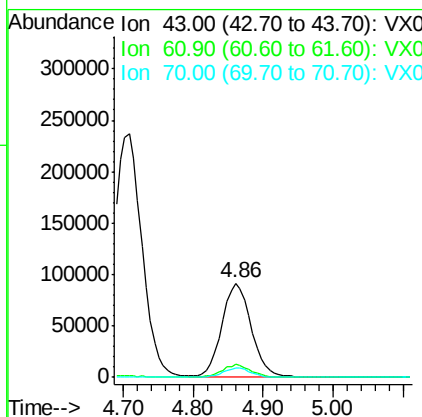
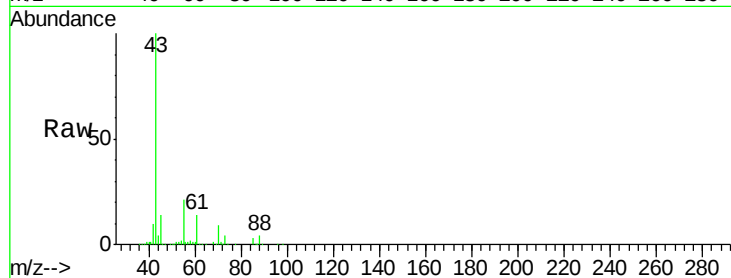
#37
Ethyl Acetate
Concen: 42.19 ug/l
RT: 4.86 min Scan# 701
Delta R.T. -0.01 min
Lab File: VX002061.D
Acq: 27 May 2018 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.6	10.2	15.2
70	9.6	7.8	11.8

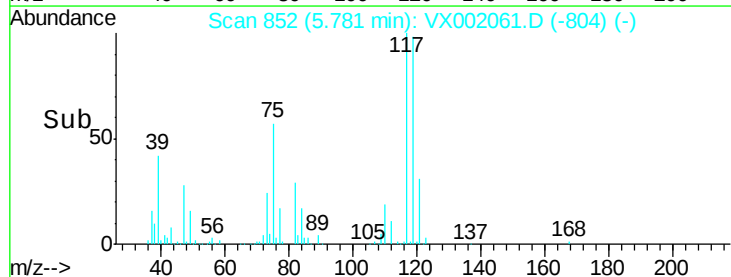
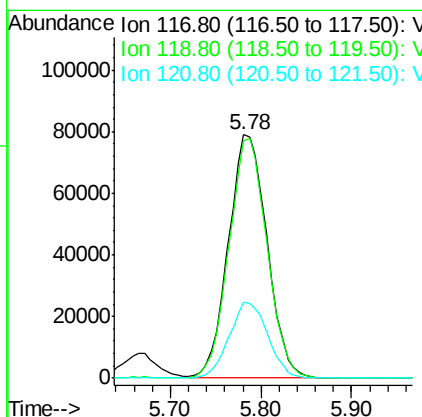
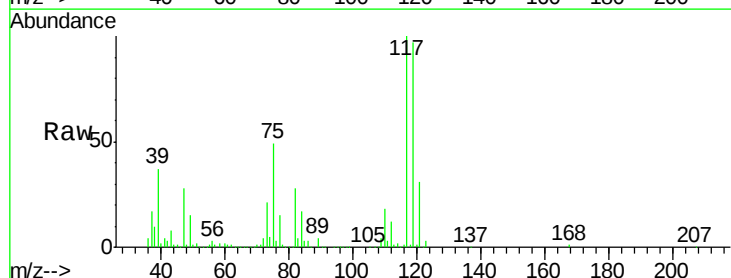
Manual Integrations
APPROVED

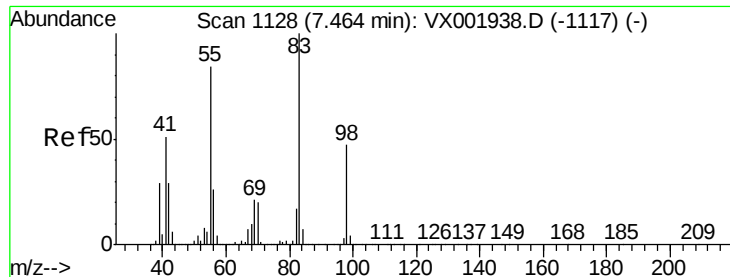
MMDadoda
5/30/2018 1:50:33 PM



#38
Carbon Tetrachloride
Concen: 40.99 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.01 min
Lab File: VX002061.D
Acq: 27 May 2018 11:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.3	78.5	117.7
121	31.2	25.5	38.3





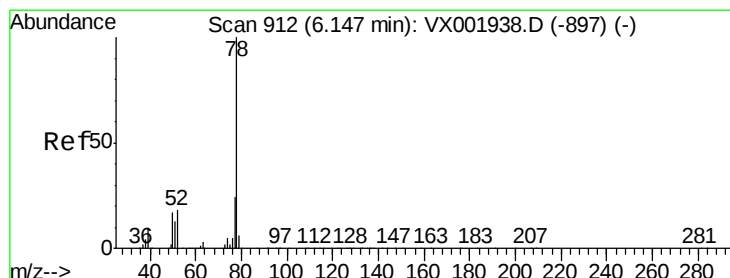
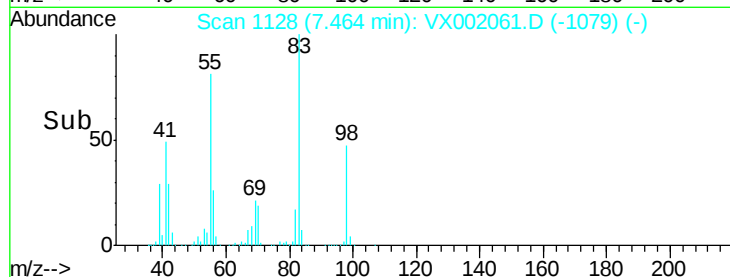
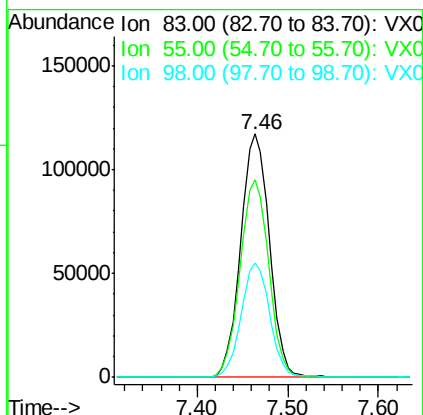
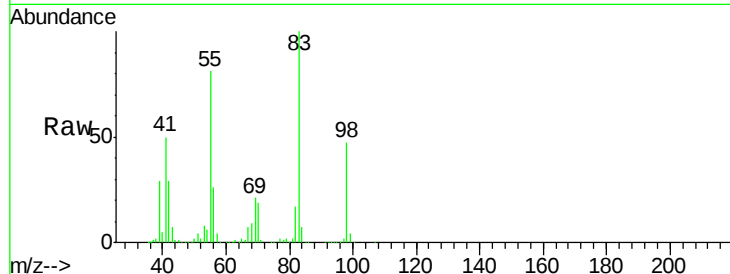
#39
Methvlcvclohexane
Concen: 43.05 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX002061.D
Acq: 27 May 2018 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.8	67.3	100.9
98	47.0	37.5	56.3

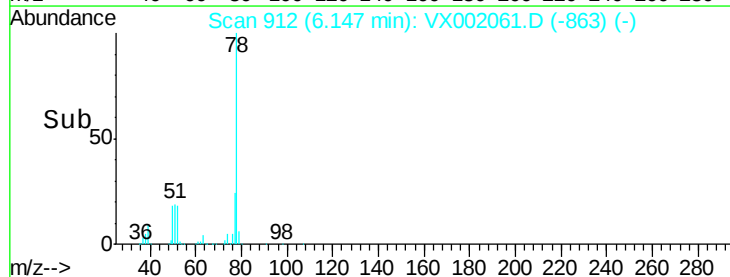
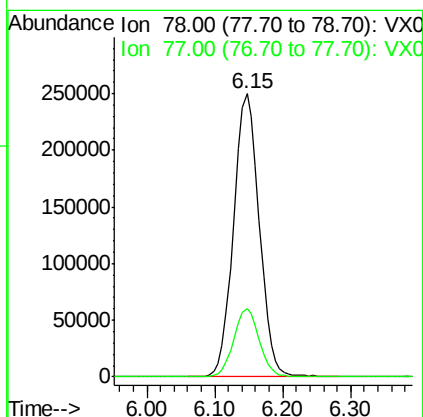
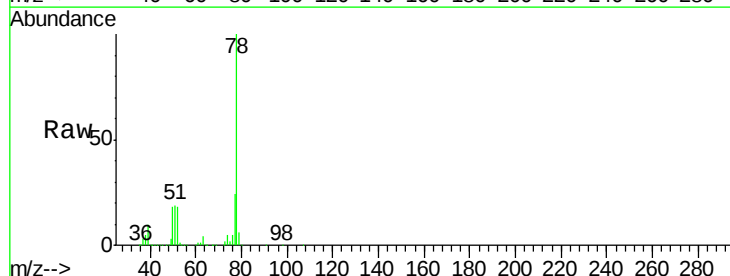
Manual Integrations
APPROVED

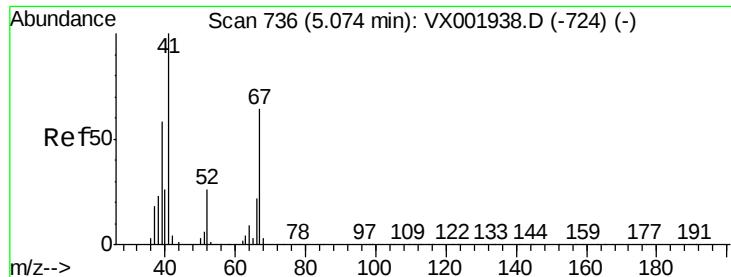
MMDadoda
5/30/2018 1:50:33 PM



#40
Benzene
Concen: 45.94 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX002061.D
Acq: 27 May 2018 11:34

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.1	28.7





#41

Methacrylonitrile

Concen: 45.29 ug/l

RT: 5.06 min Scan# 734

Delta R.T. -0.01 min

Lab File: VX002061.D

Acq: 27 May 2018 11:34

Instrument :

MSVOA_X

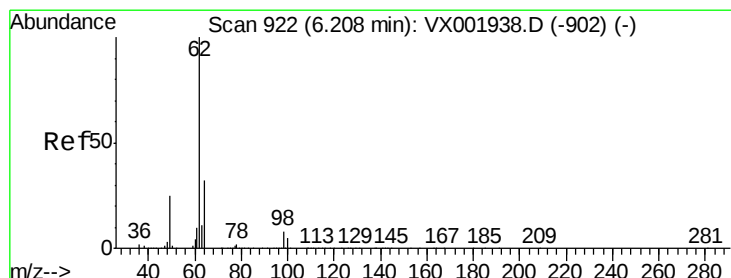
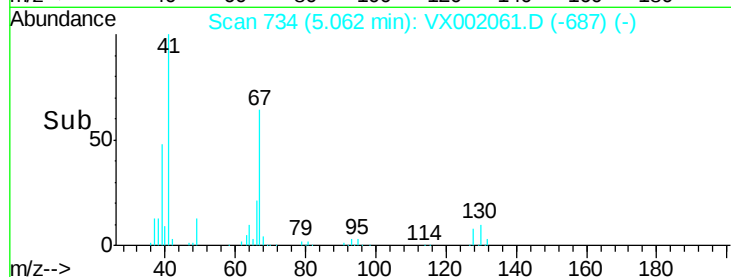
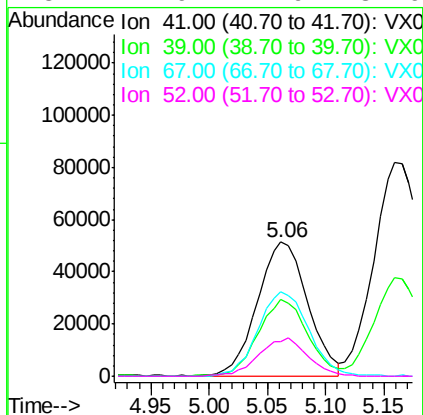
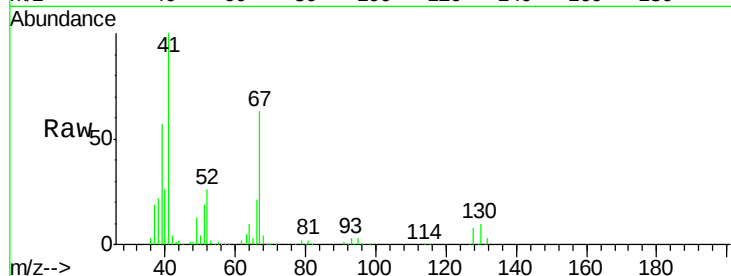
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.0	46.0	69.0	
67	64.5	50.6	75.8	
52	27.9	21.9	32.9	

Manual Integrations
APPROVED

MMDadoda
5/30/2018 1:50:33 PM



#42

1,2-Dichloroethane

Concen: 45.69 ug/l

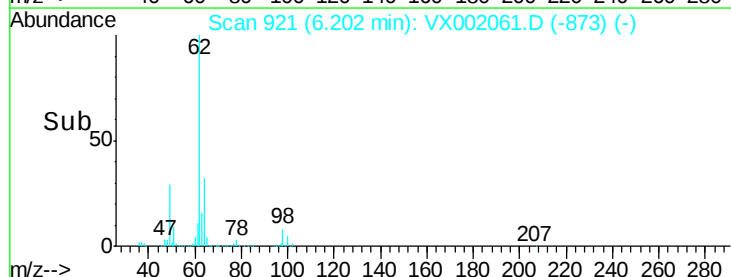
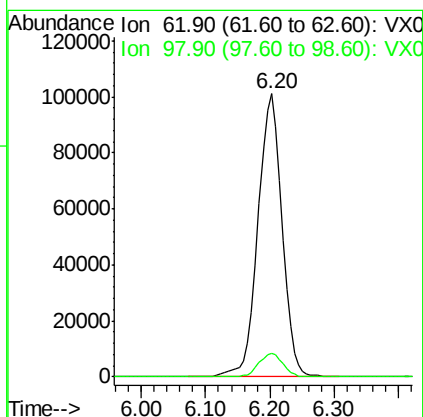
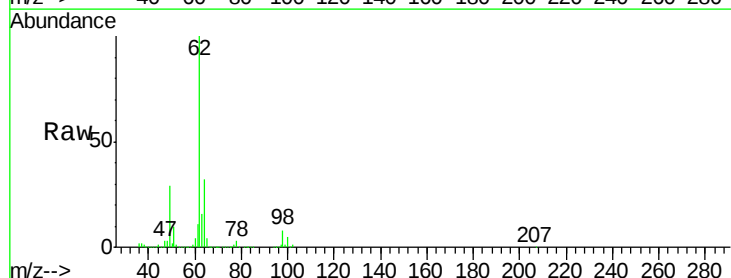
RT: 6.20 min Scan# 921

Delta R.T. -0.01 min

Lab File: VX002061.D

Acq: 27 May 2018 11:34

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.4	0.0	17.0	





#43

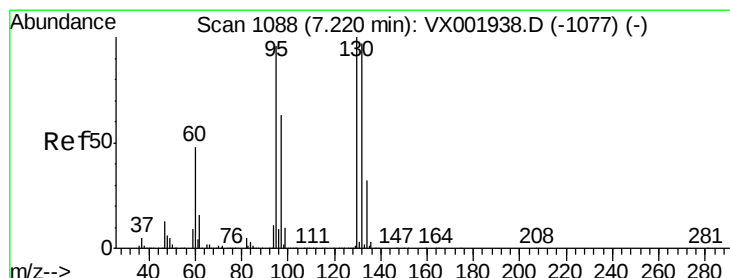
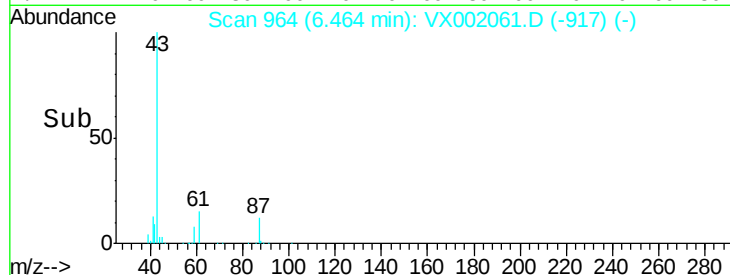
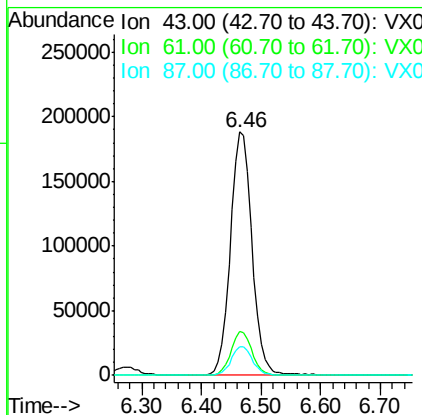
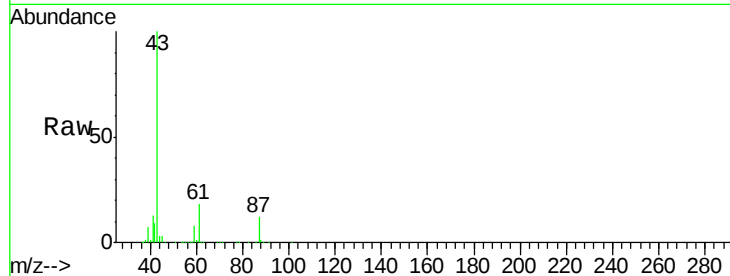
Isopropyl Acetate
 Concen: 44.73 ug/l
 RT: 6.46 min Scan# 964
 Delta R.T. -0.01 min
 Lab File: VX002061.D
 Acq: 27 May 2018 11:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.6	14.5	21.7
87	11.7	9.5	14.3

Manual Integrations
 APPROVED

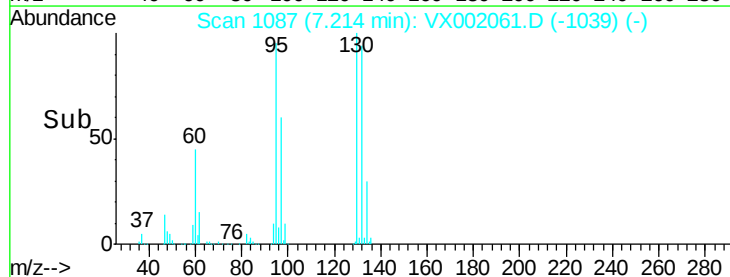
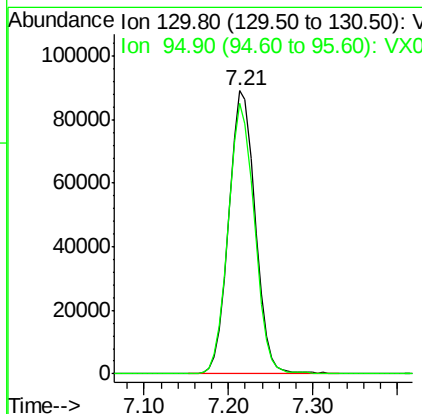
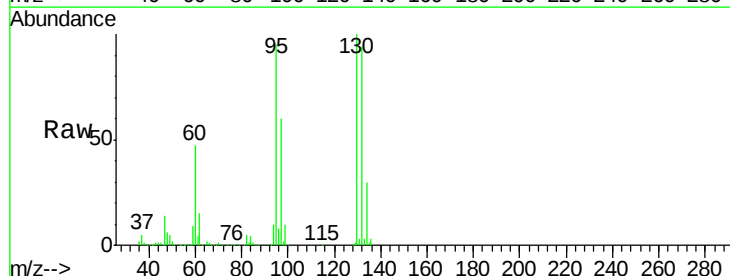
MMDadoda
 5/30/2018 1:50:33 PM



#44

Trichloroethene
 Concen: 45.33 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.01 min
 Lab File: VX002061.D
 Acq: 27 May 2018 11:34

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.4	0.0	192.0





#45

1,2-Dichloropropane

Concen: 47.63 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VX002061.D

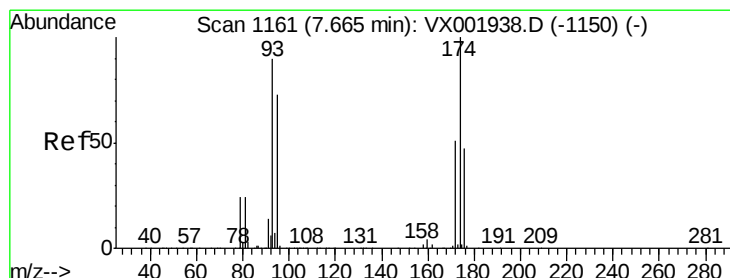
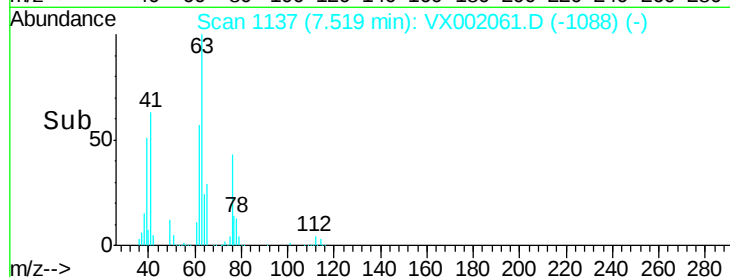
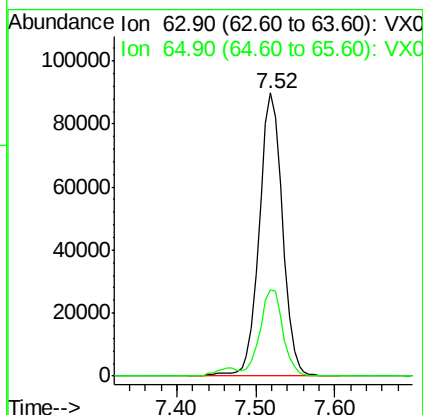
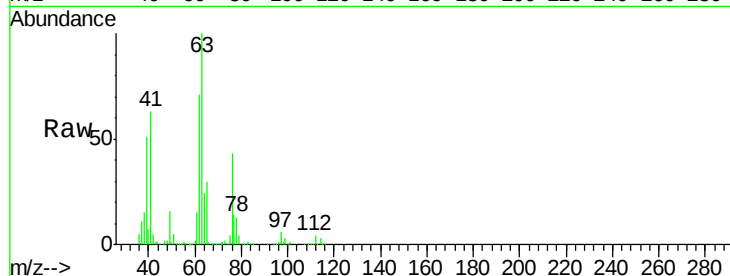
Acq: 27 May 2018 11:34

Tot Ion:	63	Resp:	184629
Ion Ratio	Lower	Upper	
63	100		
65	30.4	24.1	36.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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MMDadoda
5/30/2018 1:50:33 PM



#46

Dibromomethane

Concen: 47.67 ug/l

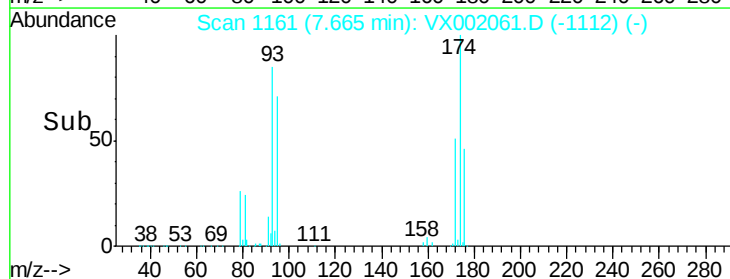
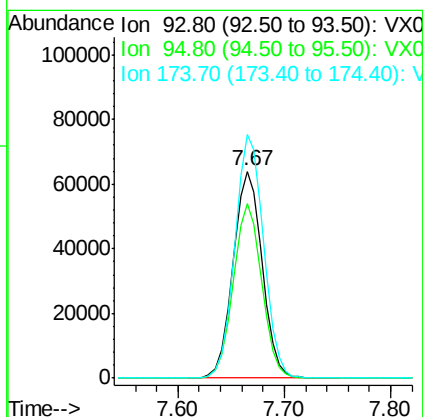
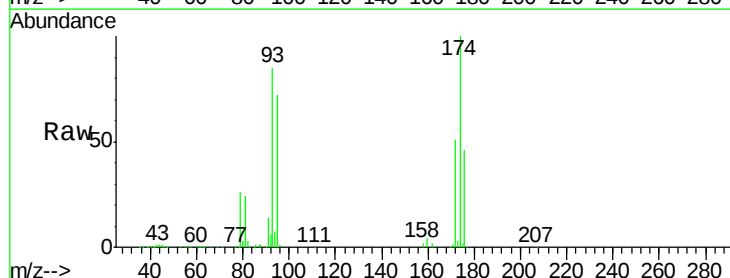
RT: 7.67 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VX002061.D

Acq: 27 May 2018 11:34

Tgt Ion:	93	Resp:	122339
Ion Ratio	Lower	Upper	
93	100		
95	82.7	66.1	99.1
174	117.2	92.5	138.7





#47

Bromodichloromethane

Concen: 44.78 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX002061.D

Acq: 27 May 2018 11:34

Instrument :

MSVOA_X

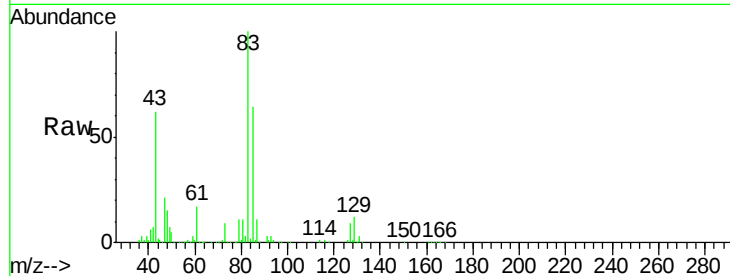
ClientSampleId :

VSTDCCC050

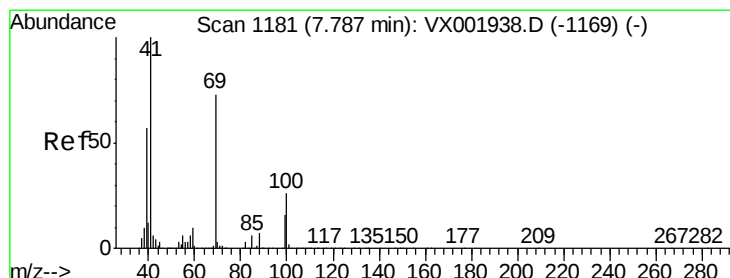
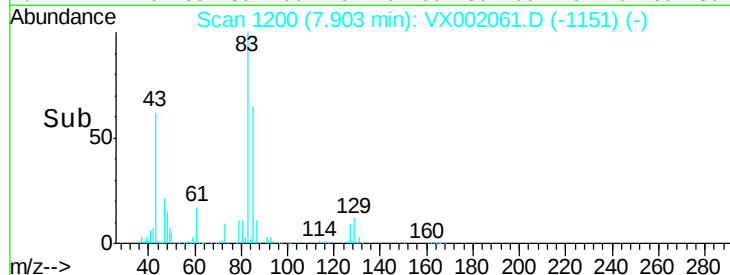
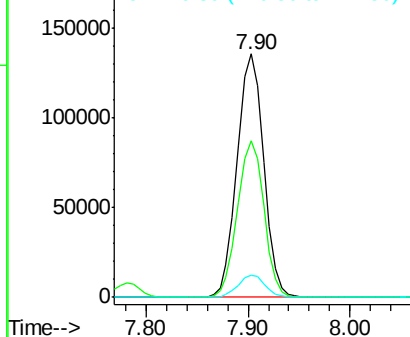
Tot Ion:	83	Resp:	245038
Ion Ratio	Lower	Upper	
83	100		
85	64.4	51.4	77.2
127	8.9	7.1	10.7

Manual Integrations
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5/30/2018 1:50:33 PM



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 44.35 ug/l

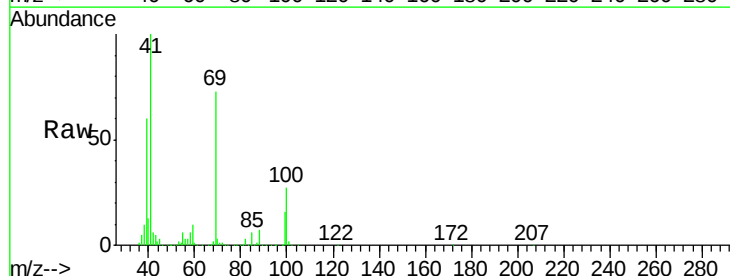
RT: 7.78 min Scan# 1180

Delta R.T. -0.01 min

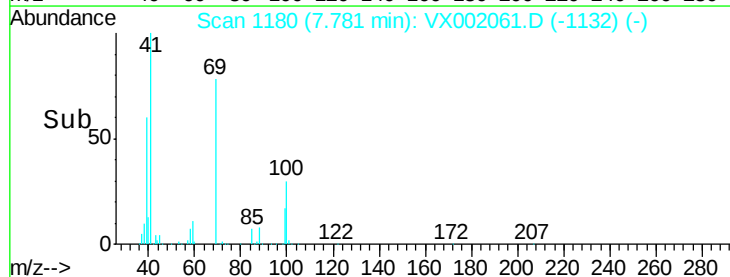
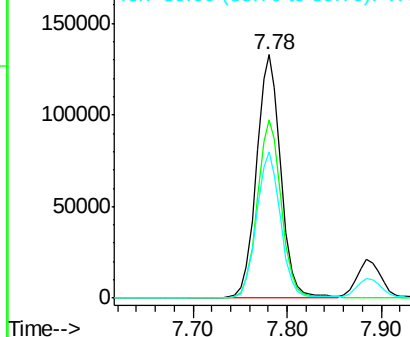
Lab File: VX002061.D

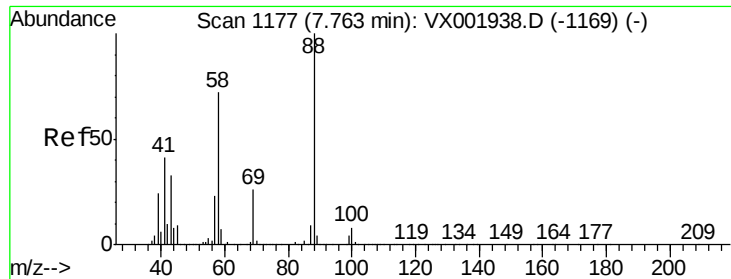
Acq: 27 May 2018 11:34

Tgt Ion:	41	Resp:	238873
Ion Ratio	Lower	Upper	
41	100		
69	73.7	58.6	87.8
39	59.8	46.3	69.5



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0





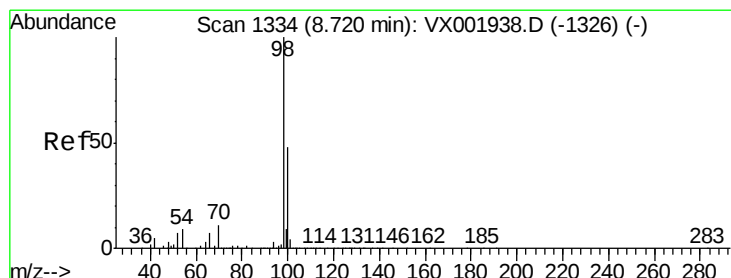
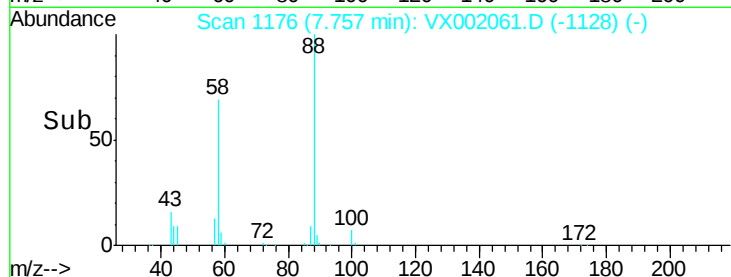
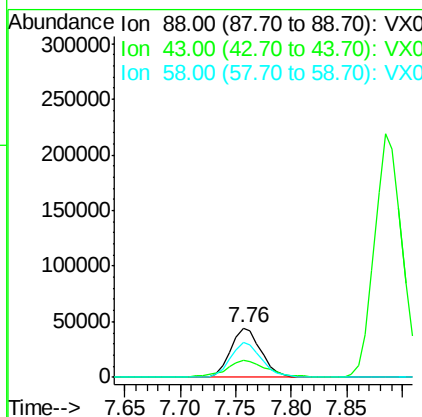
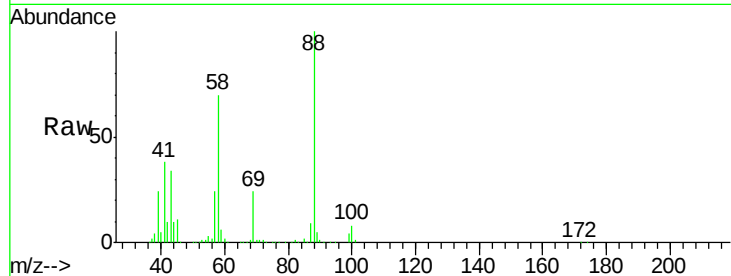
#49
1,4-Dioxane
Concen: 884.25 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.01 min
Lab File: VX002061.D
Acq: 27 May 2018 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	43.2	29.8	44.8
58	72.2	58.7	88.1

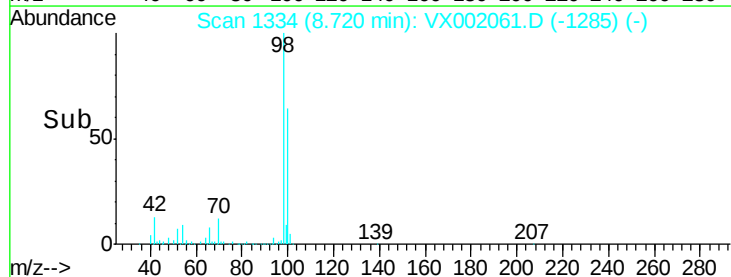
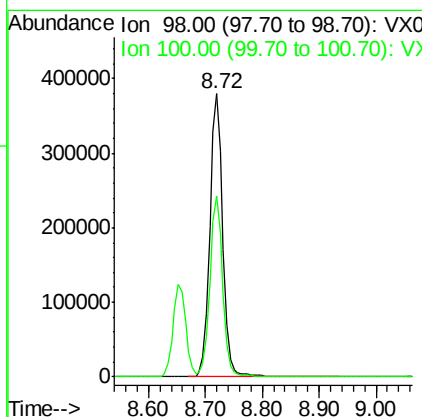
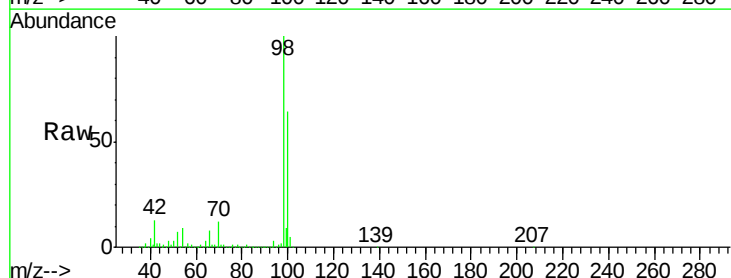
Manual Integrations
APPROVED

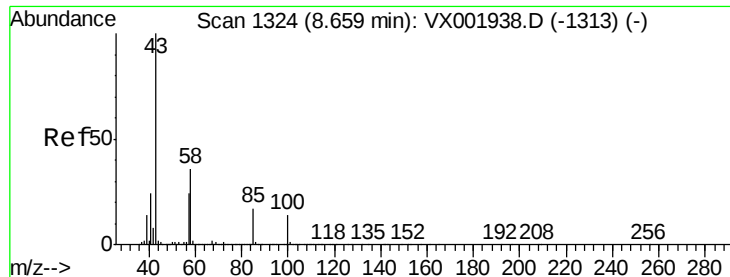
MMDadoda
5/30/2018 1:50:33 PM



#50
Toluene-d8
Concen: 47.05 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002061.D
Acq: 27 May 2018 11:34

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 227.34 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.01 min

Lab File: VX002061.D

Acq: 27 May 2018 11:34

Tot Ion: 43 Resp: 1450314

Ion Ratio Lower Upper

43 100

58 35.4 28.5 42.7

Instrument :

MSVOA_X

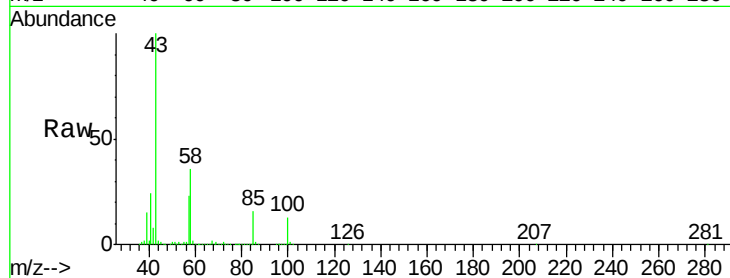
ClientSampleId :

VSTDCCC050

Manual Integrations
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5/30/2018 1:50:33 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.65

1000000

800000

600000

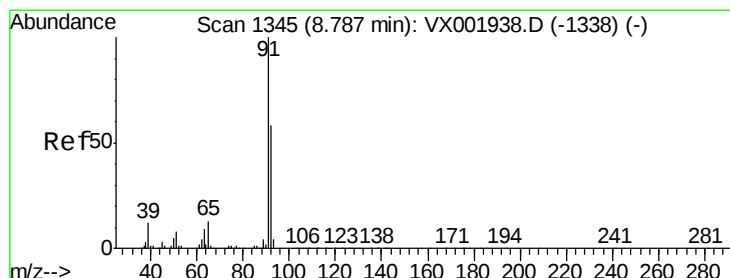
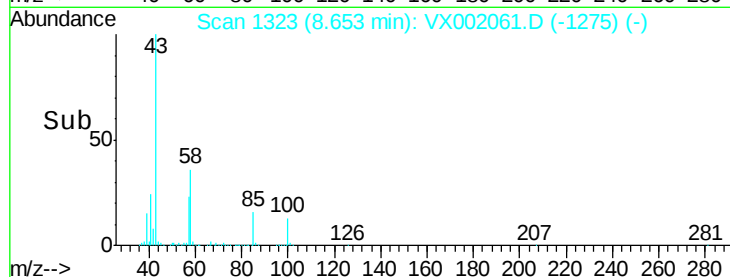
400000

200000

0

8.60 8.70 8.80

Time-->



#52

Toluene

Concen: 46.66 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX002061.D

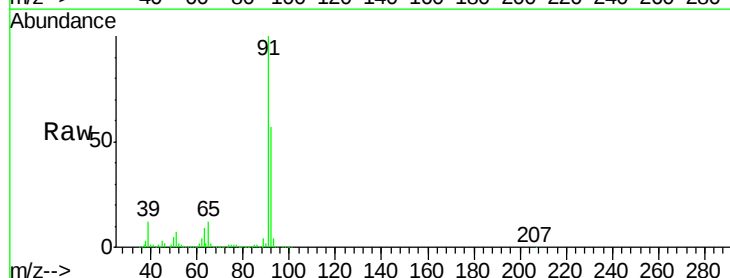
Acq: 27 May 2018 11:34

Tgt Ion: 92 Resp: 423858

Ion Ratio Lower Upper

92 100

91 175.8 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

500000

400000

300000

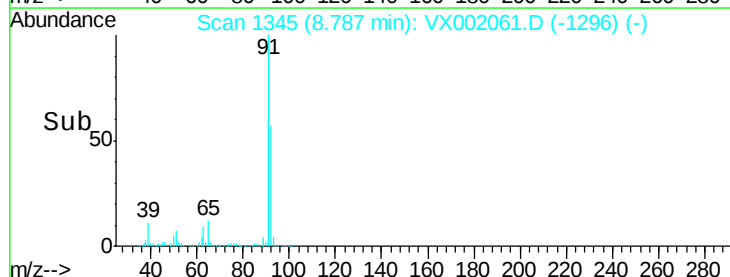
200000

100000

0

8.70 8.80 8.90 9.00

Time-->





#53

t-1,3-Dichloropropene

Concen: 46.72 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX002061.D

Acq: 27 May 2018 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 294422

Ion Ratio Lower Upper

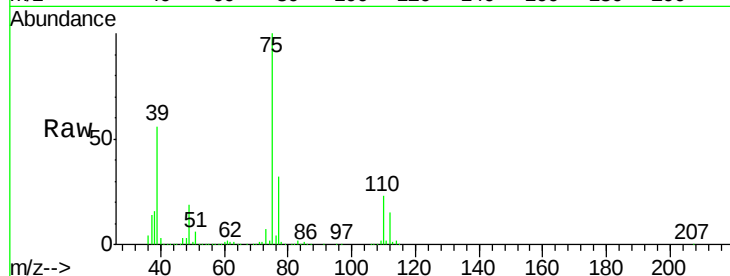
75 100

77 31.5 25.5 38.3

Manual Integrations
APPROVED

MMDadoda

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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

8.44

200000

150000

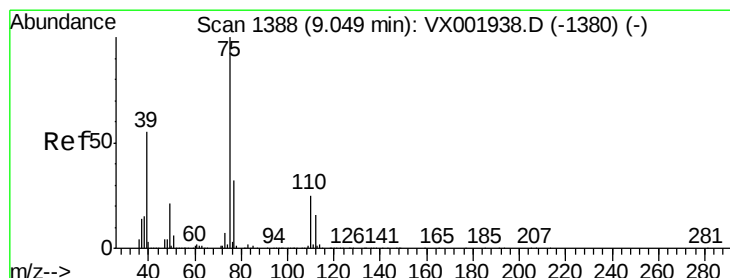
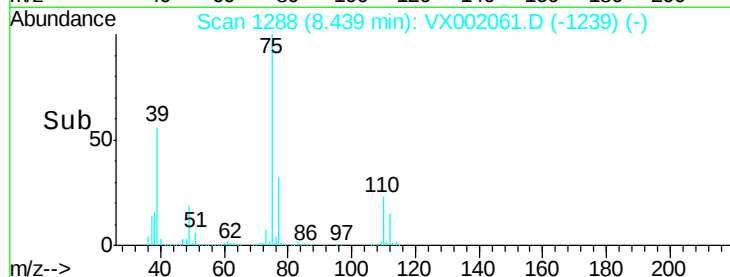
100000

50000

0

8.40 8.50

Time-->



#54

cis-1,3-Dichloropropene

Concen: 46.25 ug/l

RT: 9.04 min Scan# 1387

Delta R.T. -0.01 min

Lab File: VX002061.D

Acq: 27 May 2018 11:34

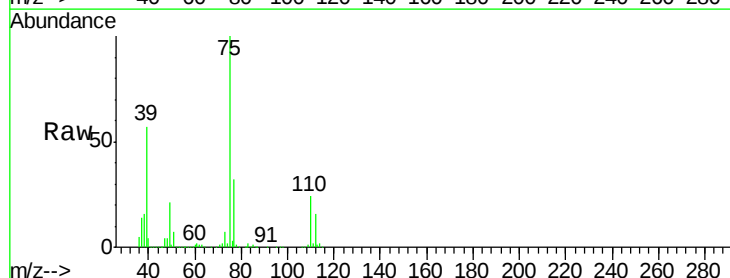
Tgt Ion: 75 Resp: 284023

Ion Ratio Lower Upper

75 100

77 31.6 25.4 38.0

39 56.9 44.1 66.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

250000

200000

150000

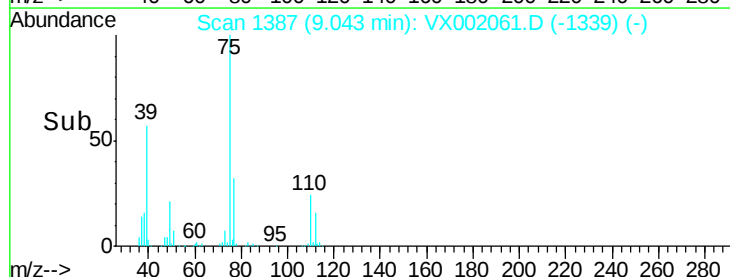
100000

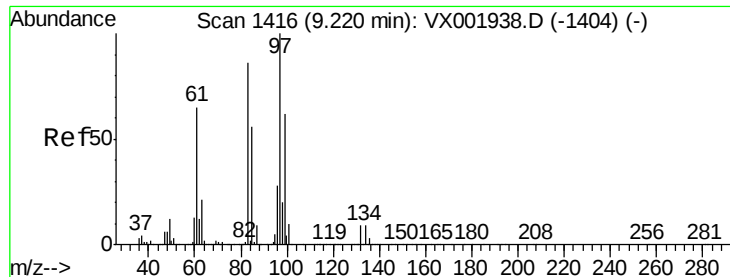
50000

0

8.95 9.00 9.05 9.10 9.15

Time-->





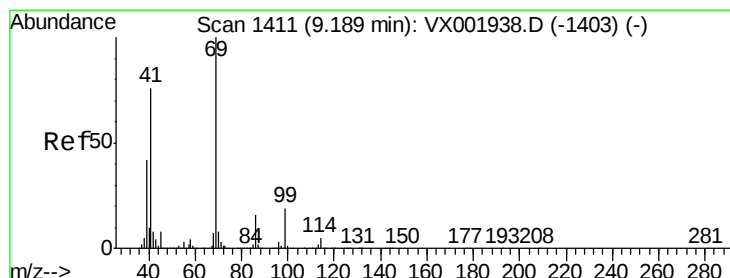
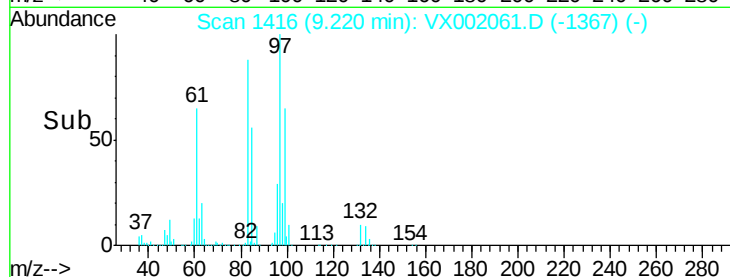
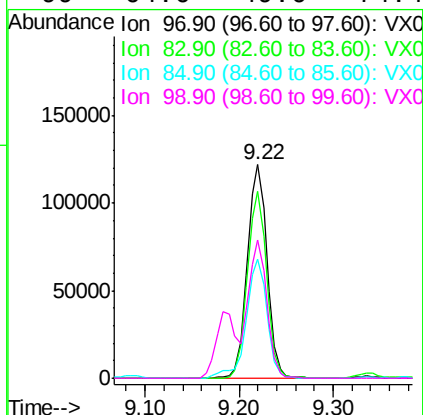
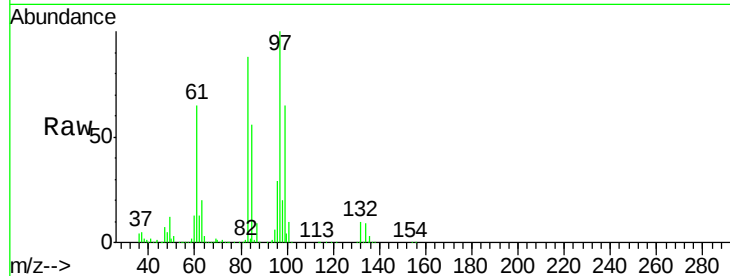
#55
 1,1,2-Trichloroethane
 Concen: 47.27 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX002061.D
 Acq: 27 May 2018 11:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	179381
Ion	Ratio	Lower	Upper
97	100		
83	87.6	69.1	103.7
85	56.0	45.2	67.8
99	64.6	49.6	74.4

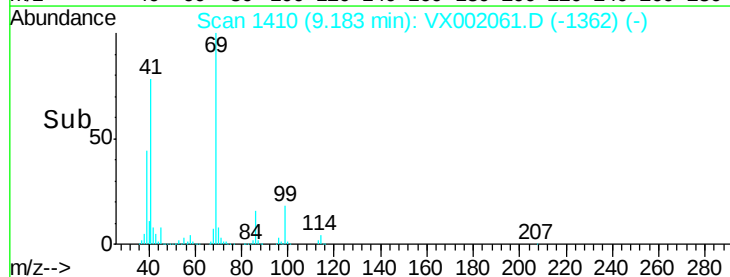
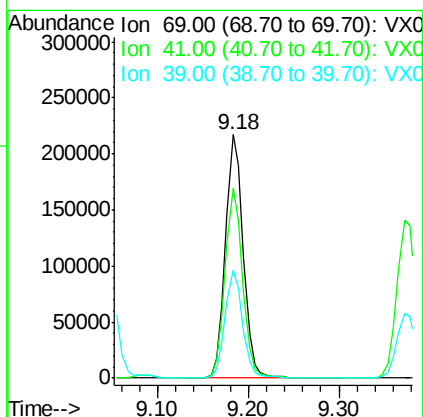
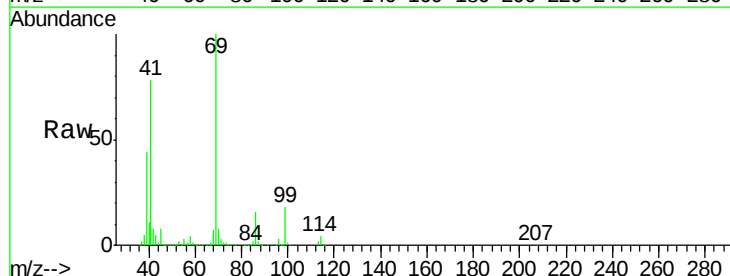
Manual Integrations
 APPROVED

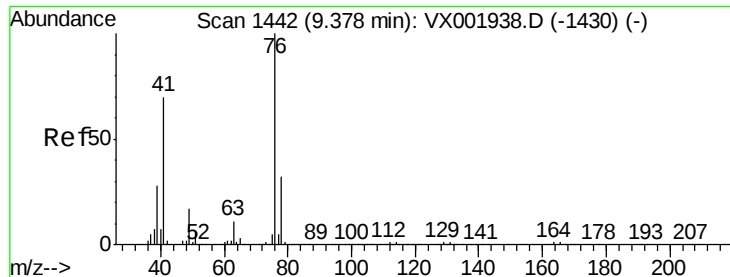
MMDadoda
 5/30/2018 1:50:33 PM



#56
 Ethyl methacrylate
 Concen: 45.44 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.01 min
 Lab File: VX002061.D
 Acq: 27 May 2018 11:34

Tgt Ion:	69	Resp:	296610
Ion	Ratio	Lower	Upper
69	100		
41	76.9	61.0	91.6
39	43.7	34.4	51.6





#57

1,3-Dichloropropane

Concen: 48.07 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX002061.D

Acq: 27 May 2018 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 300467

Ion Ratio Lower Upper

76 100

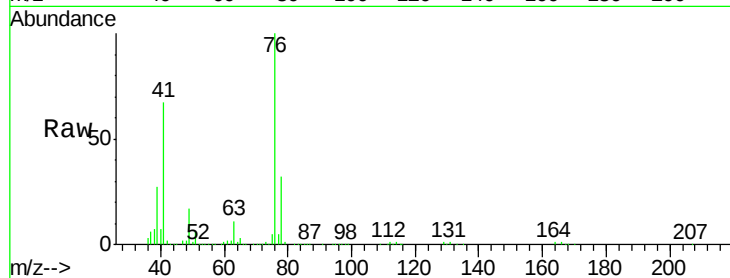
78 32.1 25.6 38.4

Manual Integrations

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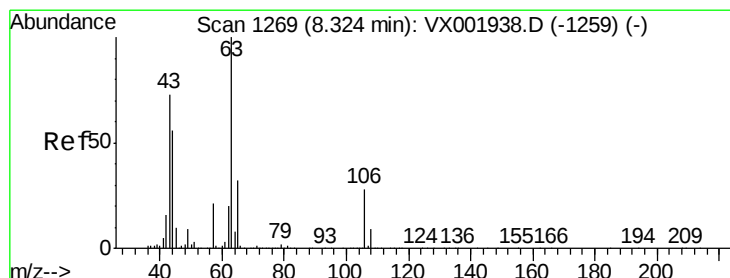
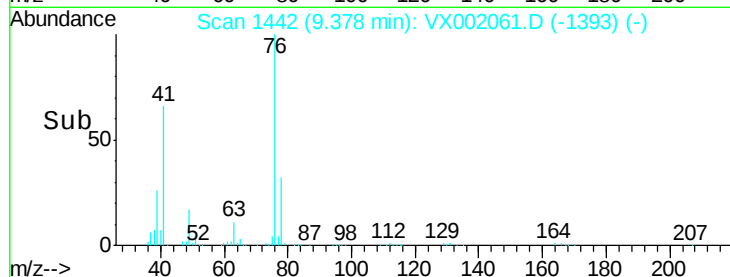
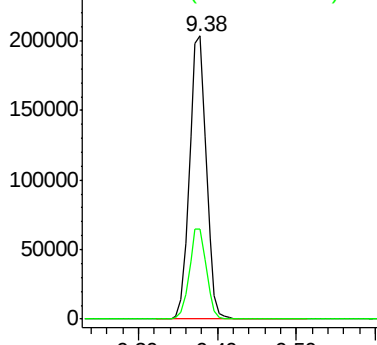
MMDadoda

5/30/2018 1:50:33 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 250.27 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VX002061.D

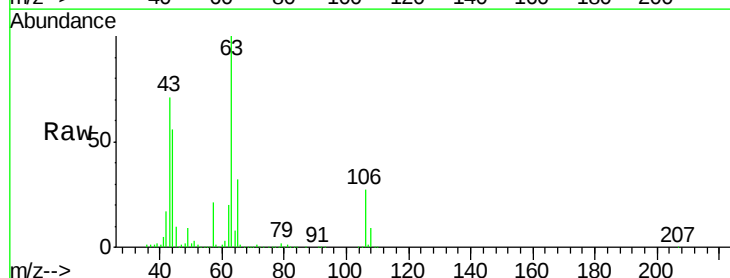
Acq: 27 May 2018 11:34

Tgt Ion: 63 Resp: 724010

Ion Ratio Lower Upper

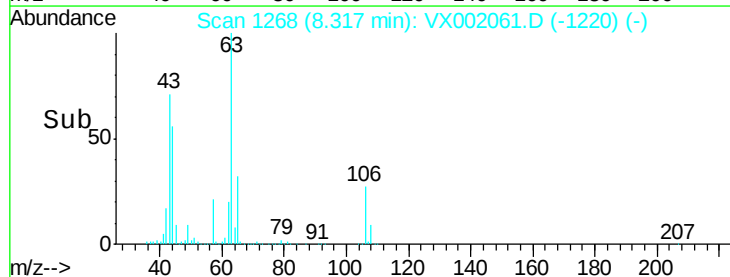
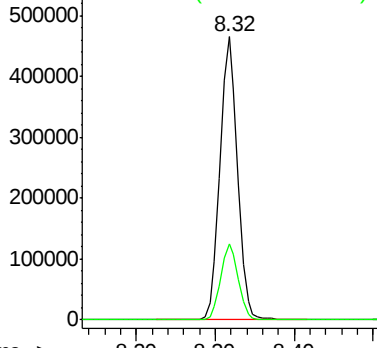
63 100

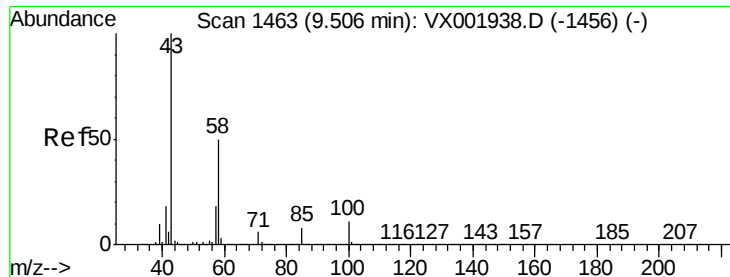
106 27.2 21.7 32.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





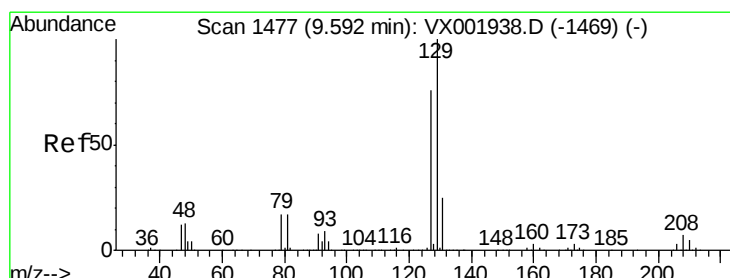
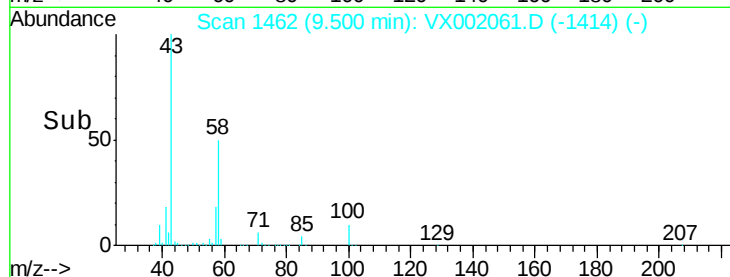
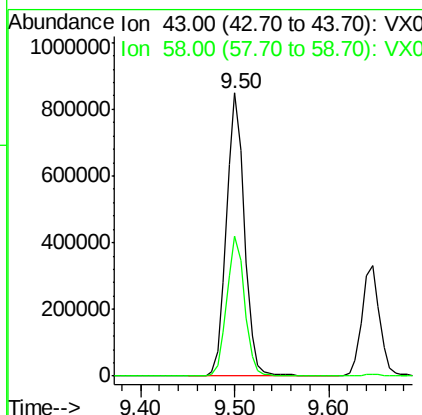
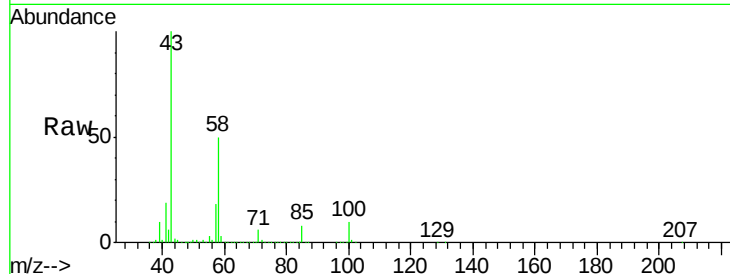
#59
2-Hexanone
Concen: 228.28 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.01 min
Lab File: VX002061.D
Acq: 27 May 2018 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1122950
Ion Ratio Lower Upper
43 100
58 49.5 24.9 74.6

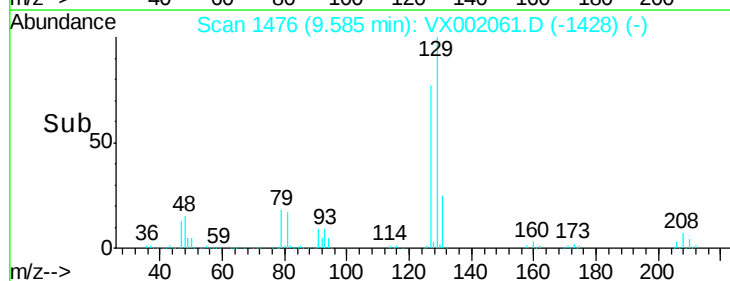
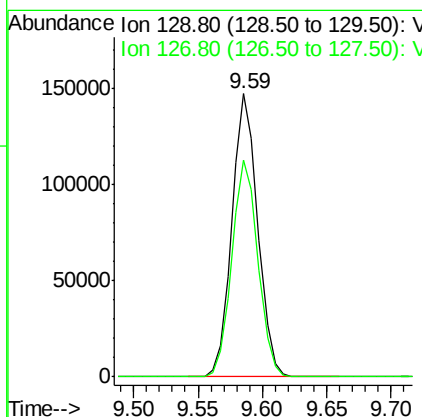
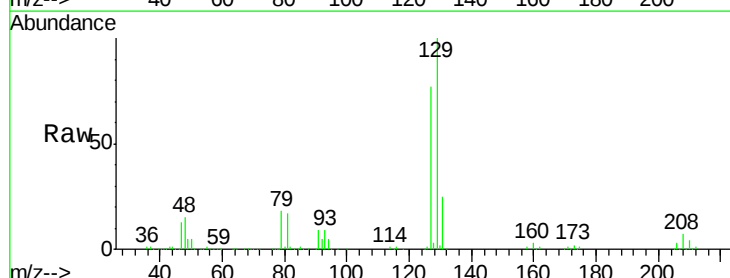
Manual Integrations
APPROVED

MMDadoda
5/30/2018 1:50:33 PM



#60
Dibromochloromethane
Concen: 45.90 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.01 min
Lab File: VX002061.D
Acq: 27 May 2018 11:34

Tgt Ion: 129 Resp: 206308
Ion Ratio Lower Upper
129 100
127 77.5 38.3 114.9





#61

1,2-Dibromoethane

Concen: 47.73 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX002061.D

Acq: 27 May 2018 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 190047

Ion Ratio Lower Upper

107 100

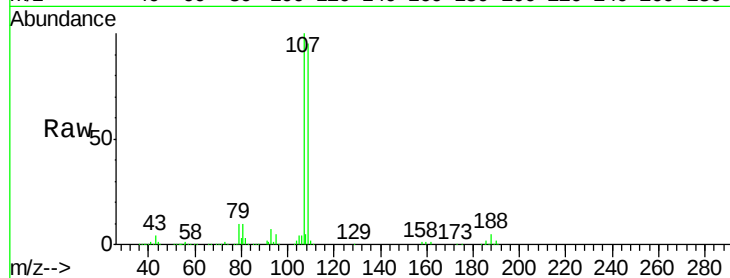
109 93.2 75.3 112.9

Manual Integrations

APPROVED

MMDadoda

5/30/2018 1:50:33 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

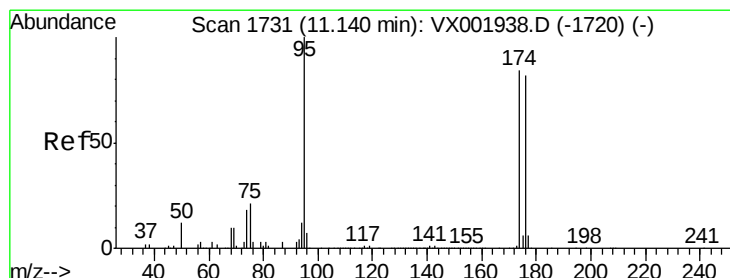
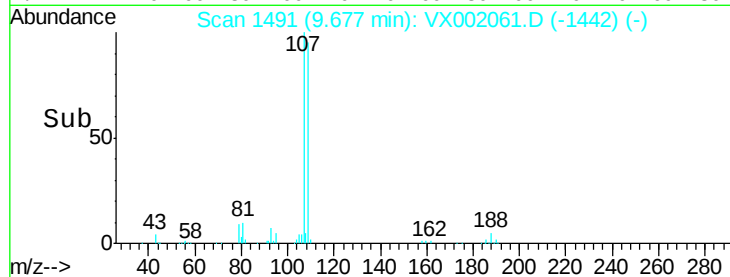
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 48.58 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002061.D

Acq: 27 May 2018 11:34

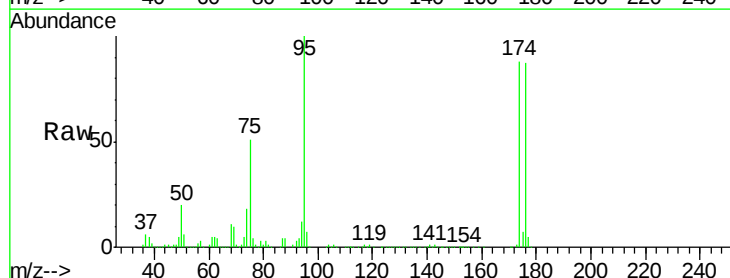
Tgt Ion: 95 Resp: 241010

Ion Ratio Lower Upper

95 100

174 92.2 0.0 178.8

176 90.6 0.0 175.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

250000

200000

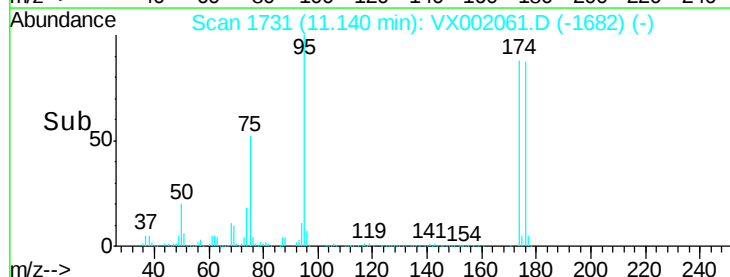
150000

100000

50000

0

Time-->





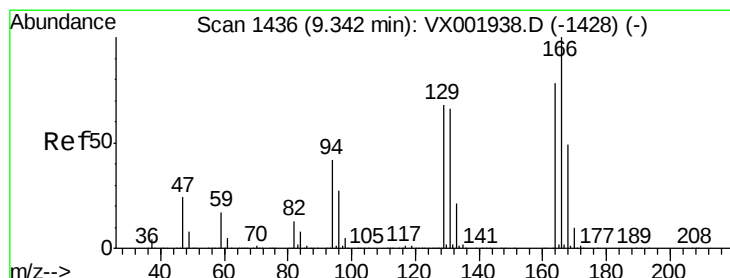
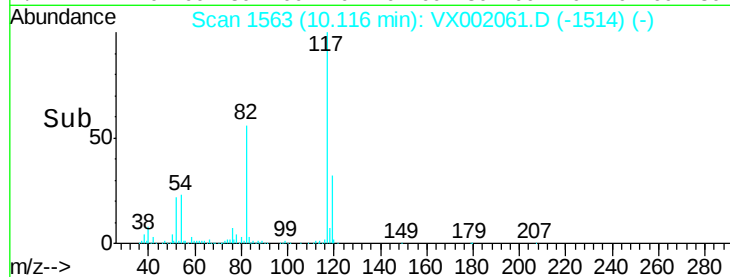
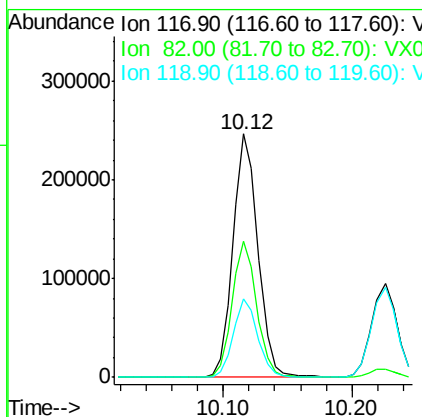
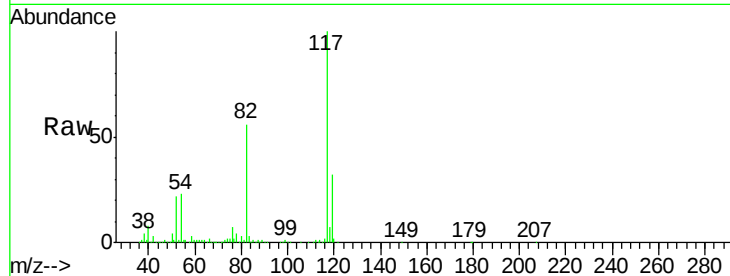
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002061.D
Acq: 27 May 2018 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	334056		
82	55.8		44.8	67.2
119	32.1		25.5	38.3

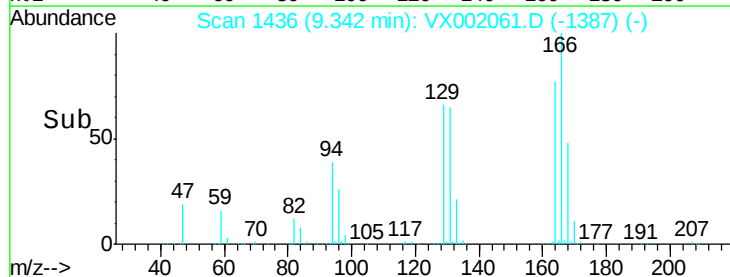
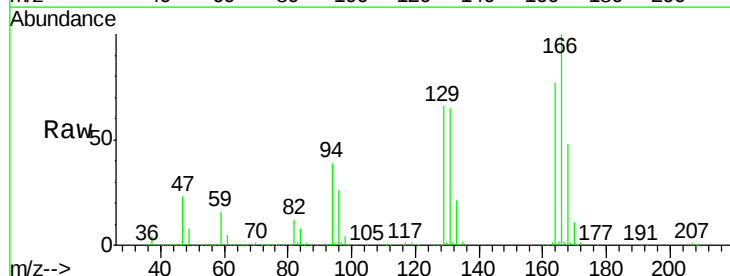
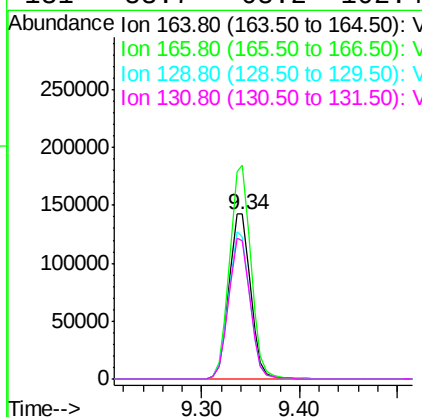
Manual Integrations
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#64
Tetrachloroethene
Concen: 45.67 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX002061.D
Acq: 27 May 2018 11:34

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	218757		
166	129.4		102.7	154.1
129	86.0		70.3	105.5
131	83.7		68.2	102.4





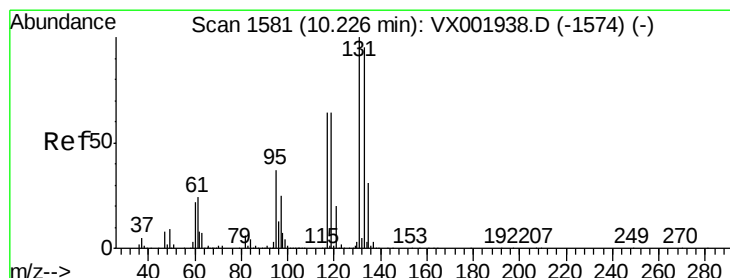
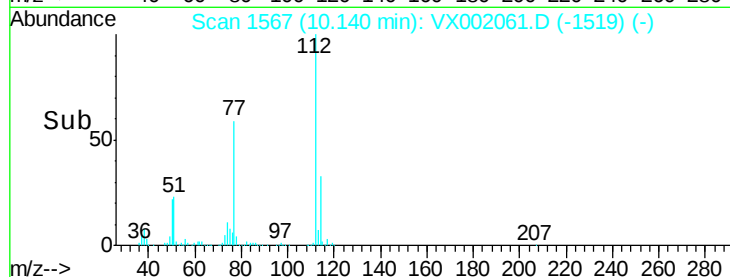
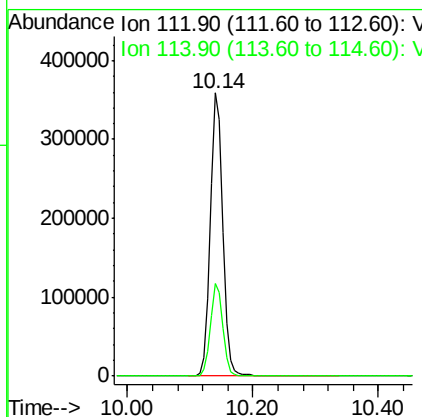
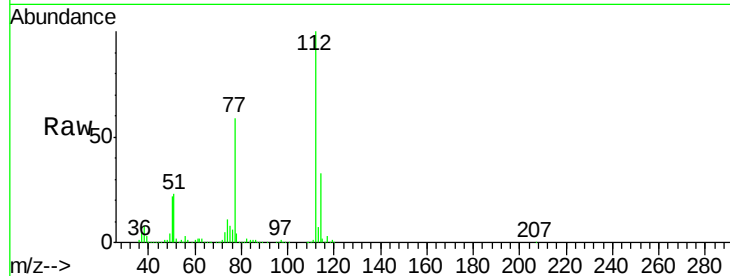
#65
Chlorobenzene
Concen: 46.59 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX002061.D
Acq: 27 May 2018 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.6	25.9	38.9

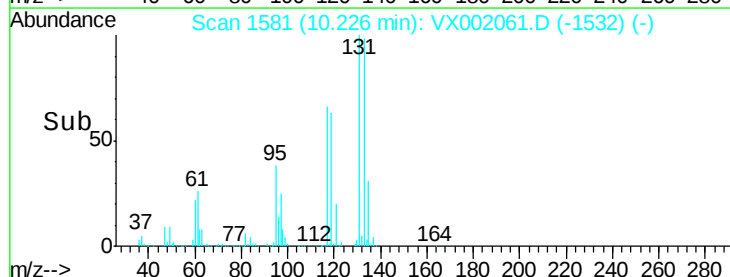
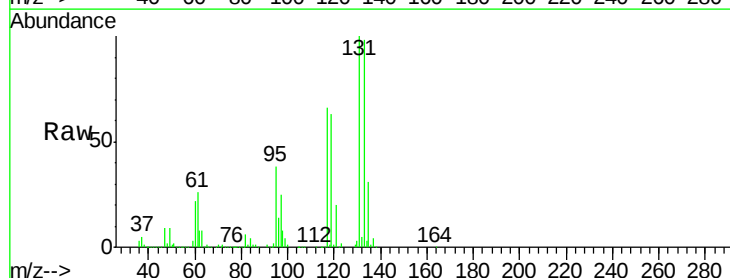
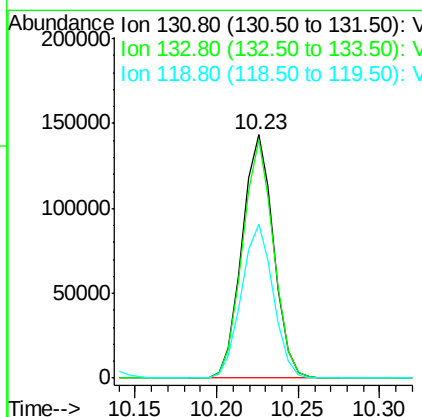
Manual Integrations
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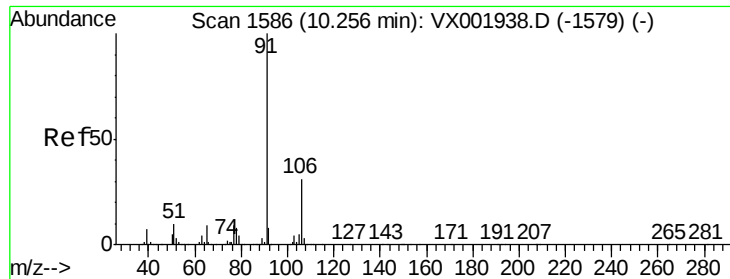
MMDadoda
5/30/2018 1:50:33 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 45.27 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX002061.D
Acq: 27 May 2018 11:34

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.6	48.0	144.0
119	63.8	31.9	95.5





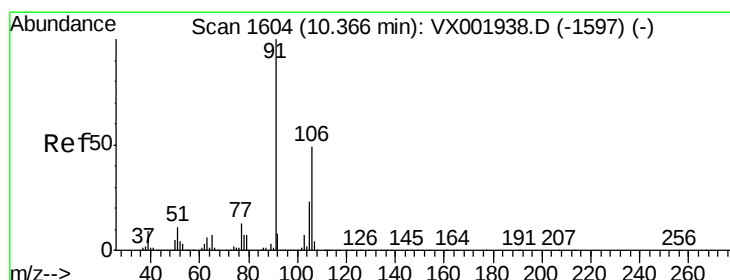
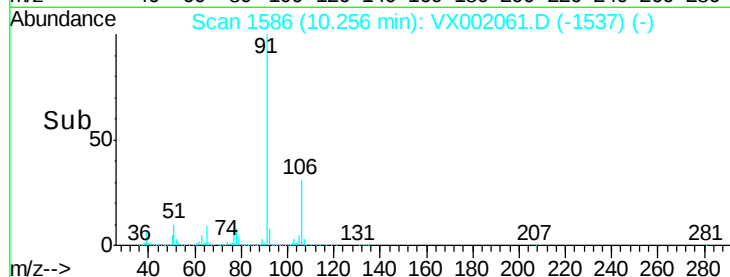
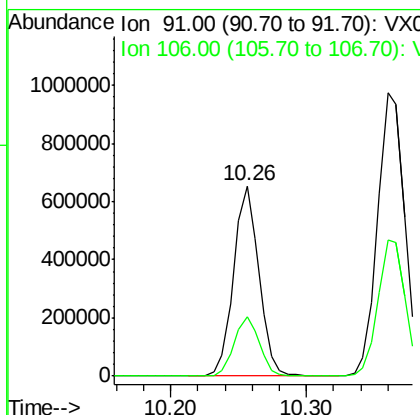
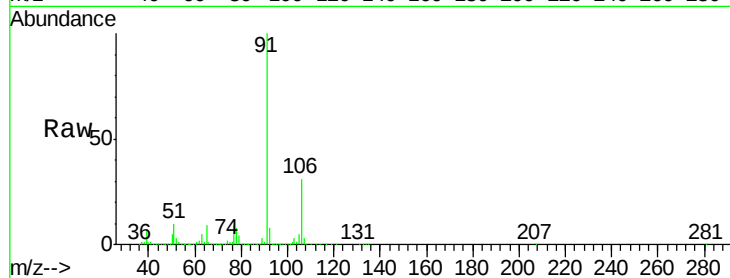
#67
Ethyl Benzene
Concen: 46.06 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX002061.D
Acq: 27 May 2018 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 846905
Ion Ratio Lower Upper
91 100
106 31.0 25.0 37.6

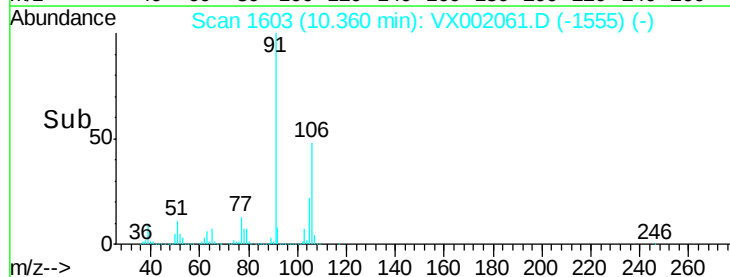
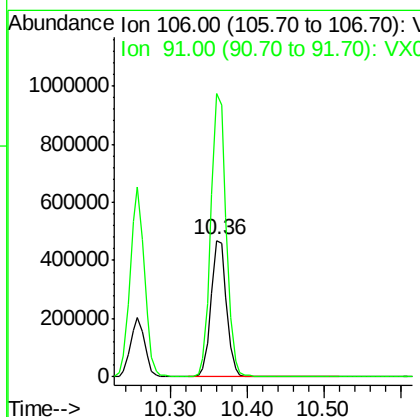
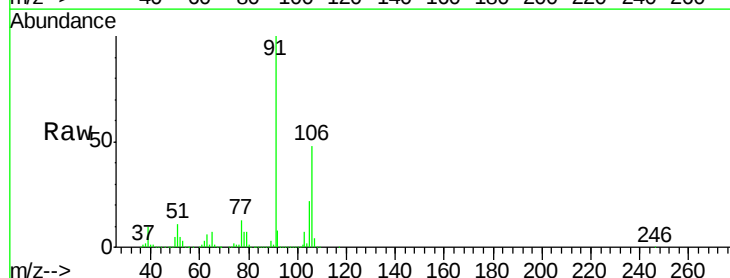
Manual Integrations
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#68
m/p-Xylenes
Concen: 93.41 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.01 min
Lab File: VX002061.D
Acq: 27 May 2018 11:34

Tgt Ion: 106 Resp: 656587
Ion Ratio Lower Upper
106 100
91 205.9 165.0 247.6





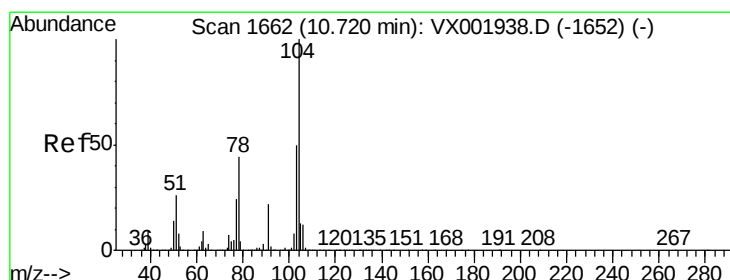
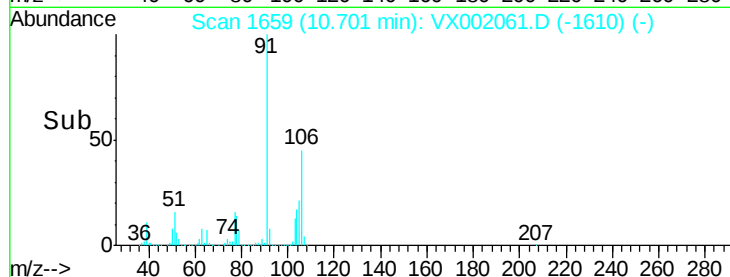
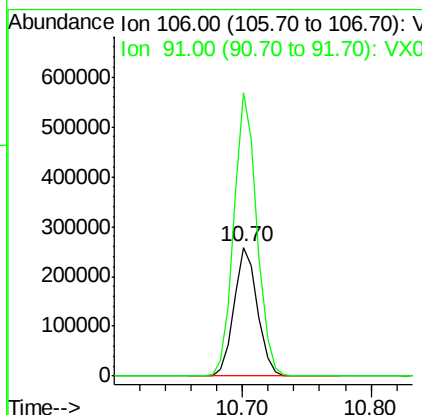
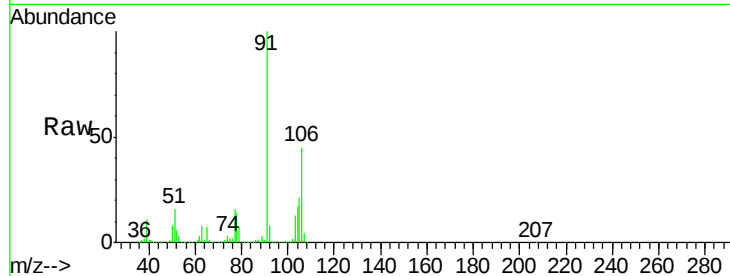
#69
o-Xylene
Concen: 46.57 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002061.D
Acq: 27 May 2018 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 326859
Ion Ratio Lower Upper
106 100
91 217.5 108.7 325.9

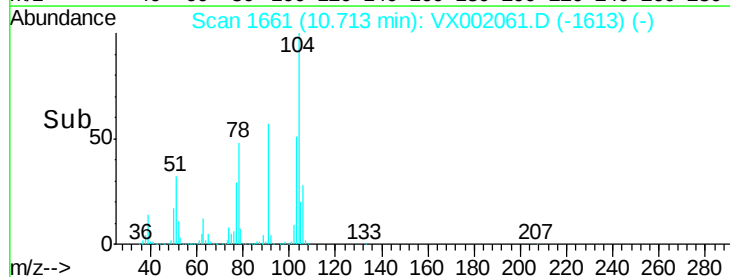
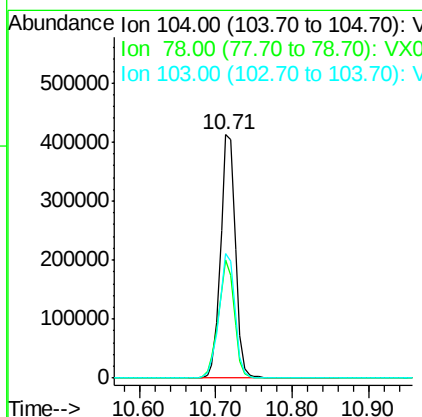
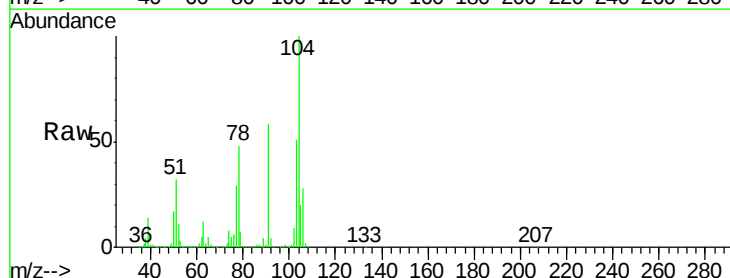
Manual Integrations
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#70
Styrene
Concen: 47.54 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.01 min
Lab File: VX002061.D
Acq: 27 May 2018 11:34

Tgt Ion:104 Resp: 553316
Ion Ratio Lower Upper
104 100
78 52.0 41.8 62.6
103 55.2 44.6 67.0





#71

Bromoform

Concen: 42.42 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.01 min

Lab File: VX002061.D

Acq: 27 May 2018 11:34

Instrument :

MSVOA_X

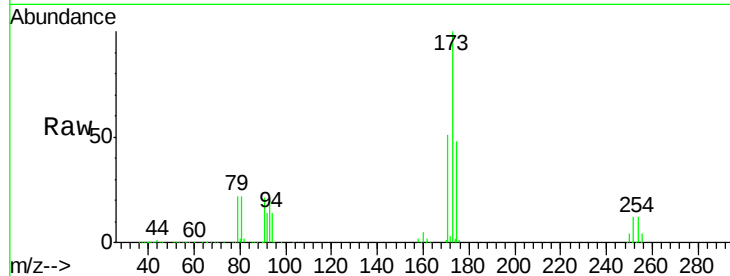
ClientSampleId :

VSTDCCC050

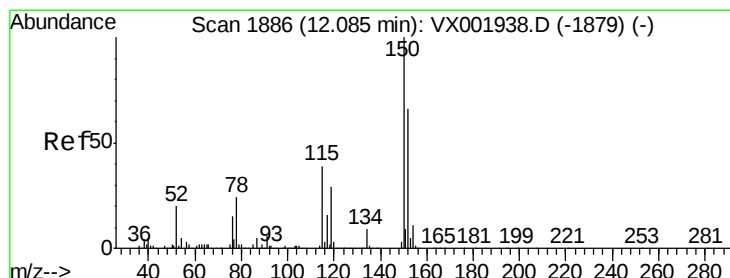
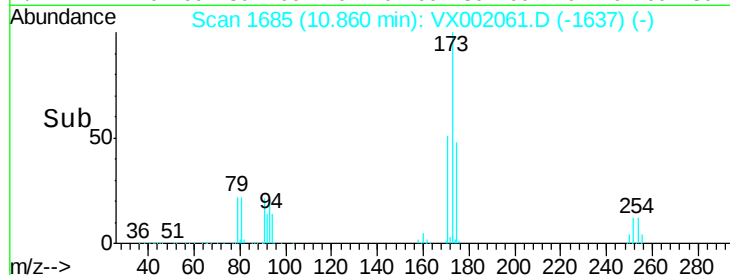
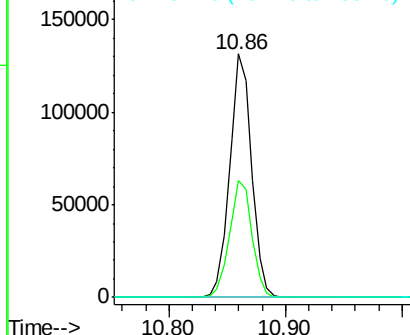
Tot Ion	Ratio	Resp	Lower	Upper
173	100	171905		
175	49.0	24.3	72.9	
254	0.2	0.1	0.1#	

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

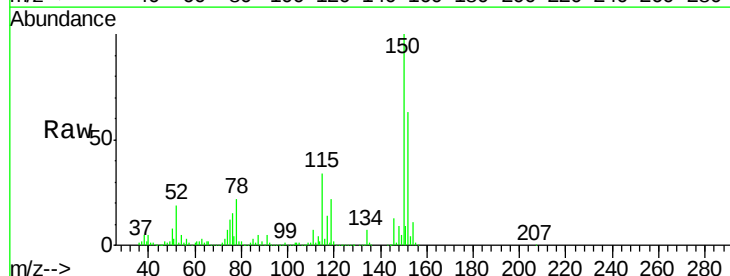
RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

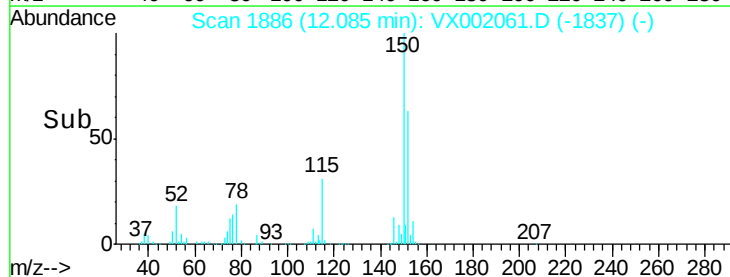
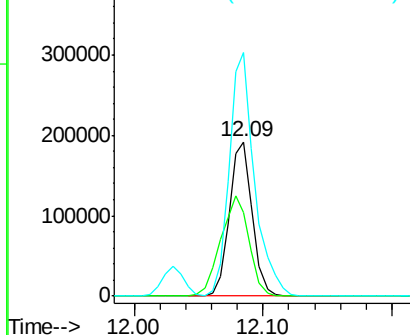
Lab File: VX002061.D

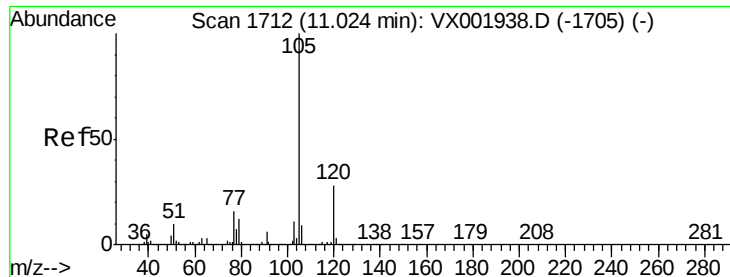
Acq: 27 May 2018 11:34

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	237049		
115	80.9	42.3	126.8	
150	174.7	0.0	351.0	



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 43.08 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002061.D

Acq: 27 May 2018 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 864739

Ion Ratio Lower Upper

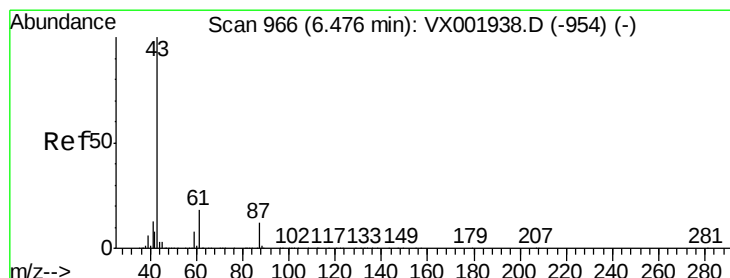
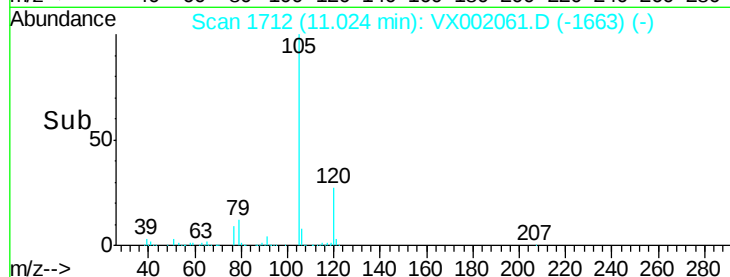
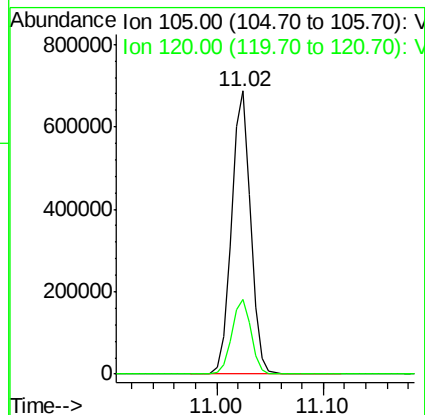
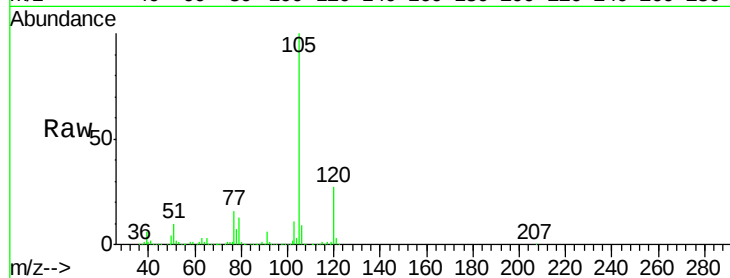
105 100

120 26.9 13.6 40.7

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#74

N-ethyl acetate

Concen: 45.15 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.01 min

Lab File: VX002061.D

Acq: 27 May 2018 11:34

Tgt Ion: 43 Resp: 473331

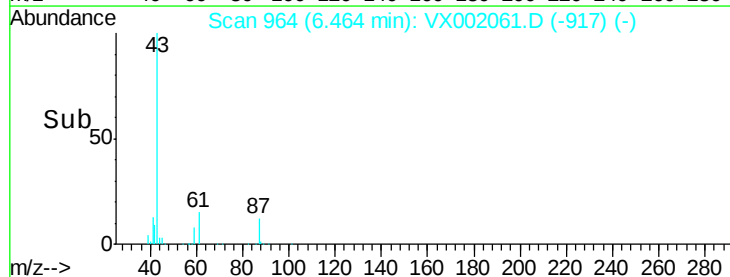
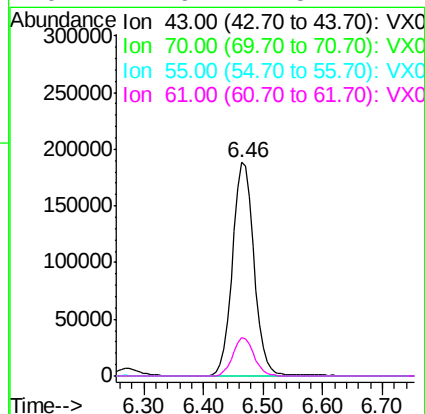
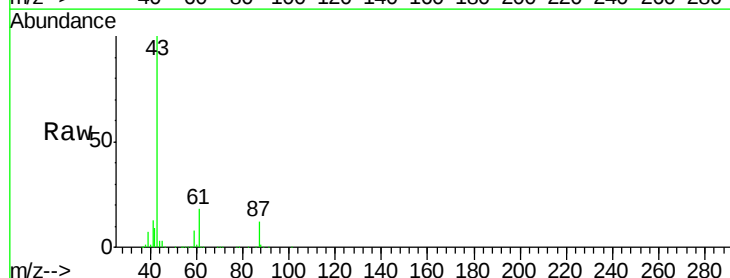
Ion Ratio Lower Upper

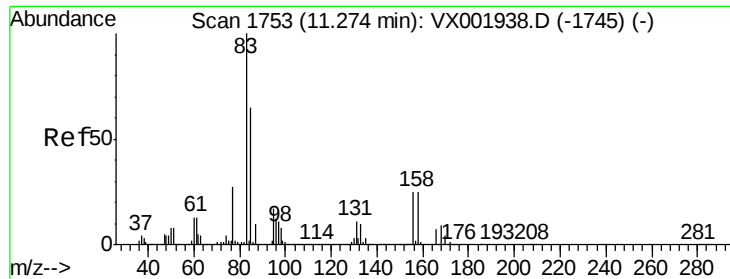
43 100

70 0.0 0.1 0.1#

55 0.0 0.1 0.1#

61 17.6 14.5 21.7





#75

1,1,2,2-Tetrachloroethane

Concen: 48.18 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX002061.D

Acq: 27 May 2018 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 264786

Ion Ratio Lower Upper

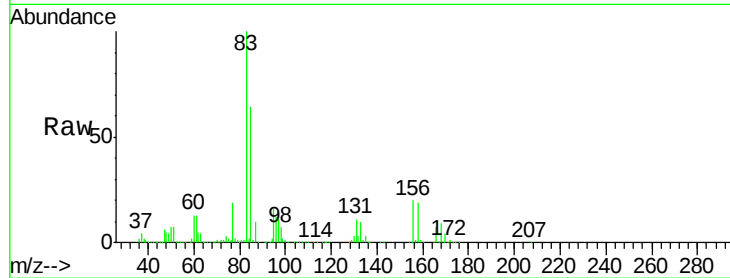
83 100

131 10.9 5.7 17.0

85 64.4 32.6 97.7

Manual Integrations
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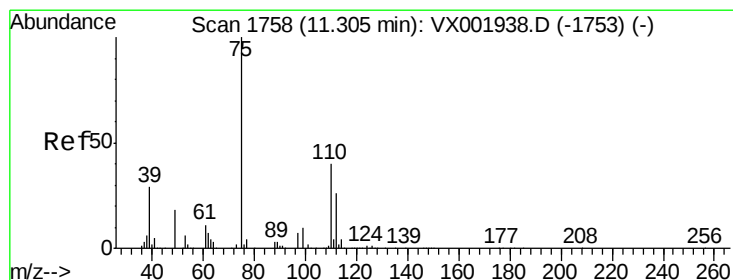
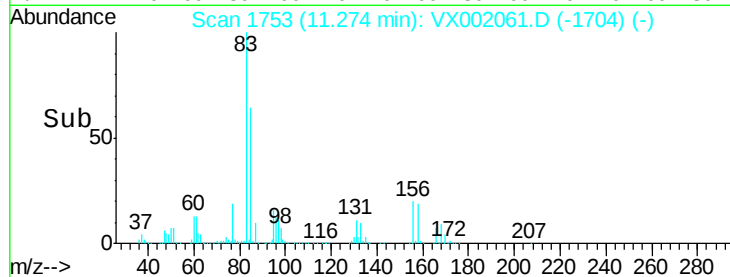
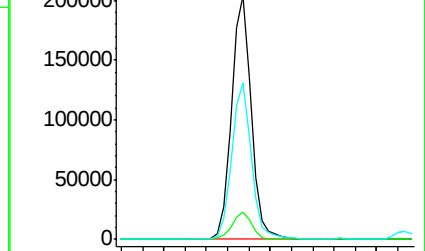
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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 50.04 ug/l m

RT: 11.30 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VX002061.D

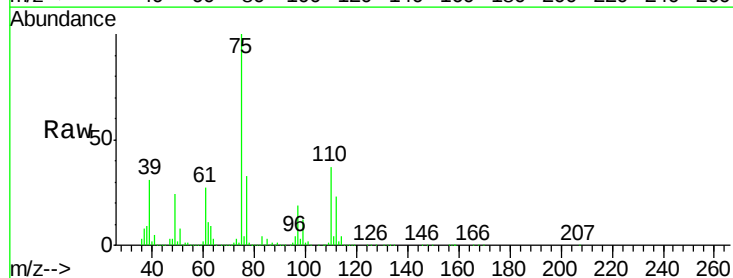
Acq: 27 May 2018 11:34

Tgt Ion: 75 Resp: 284933

Ion Ratio Lower Upper

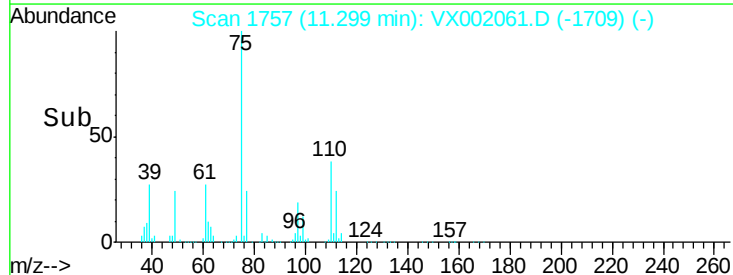
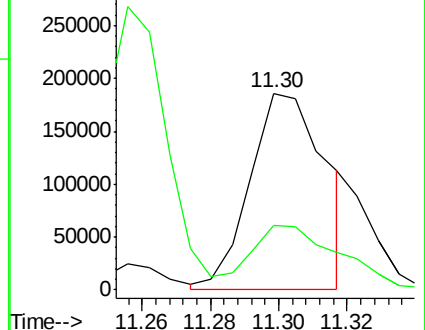
75 100

77 38.9 22.8 68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 45.24 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX002061.D

Acq: 27 May 2018 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 240926

Ion Ratio Lower Upper

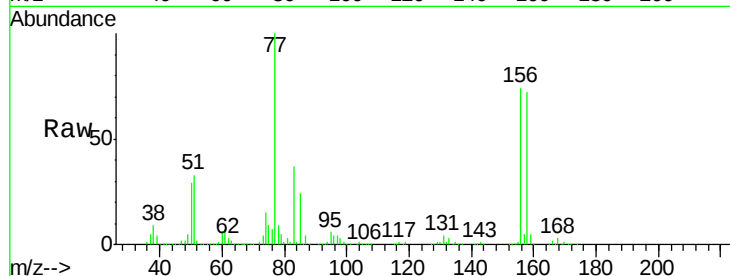
156 100

77 143.3 75.2 225.6

158 97.2 48.6 145.8

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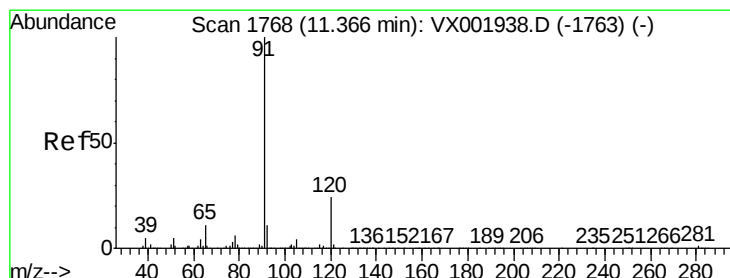
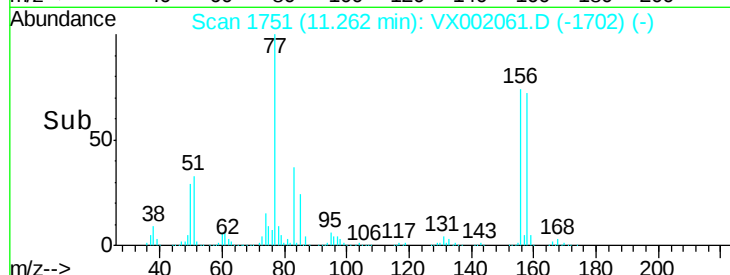
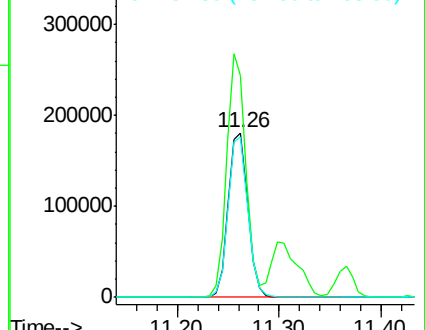
MMDadoda
5/30/2018 1:50:33 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 44.31 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002061.D

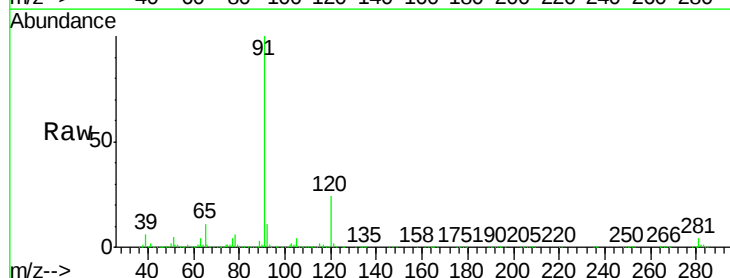
Acq: 27 May 2018 11:34

Tgt Ion: 91 Resp: 996130

Ion Ratio Lower Upper

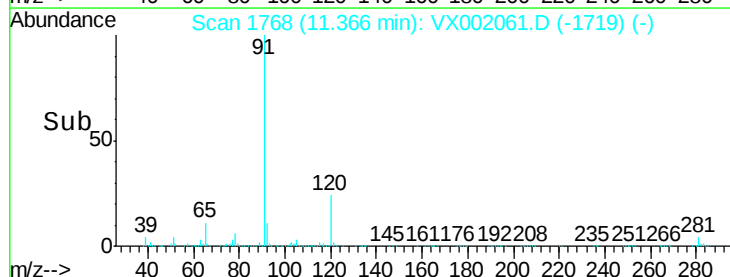
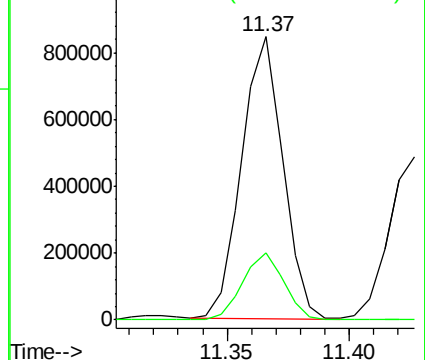
91 100

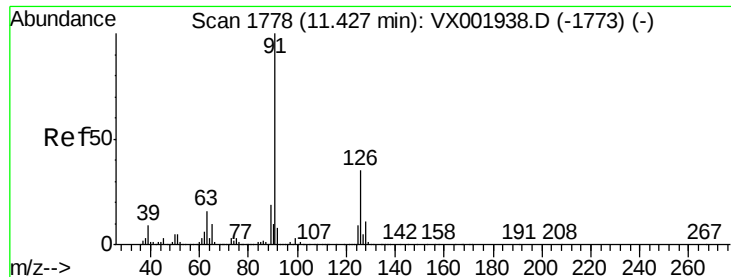
120 23.8 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.93 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX002061.D

Acq: 27 May 2018 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 604101

Ion Ratio Lower Upper

91 100

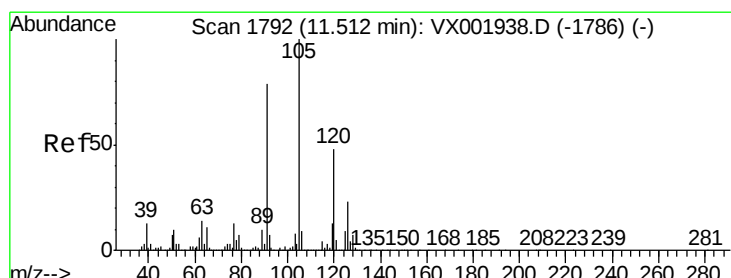
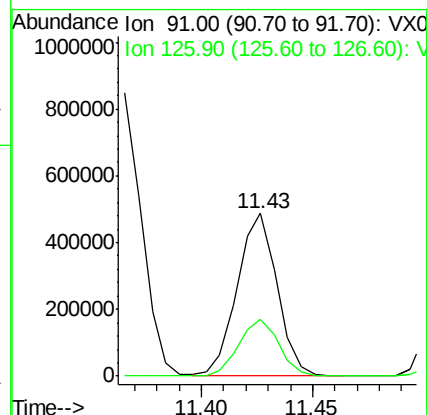
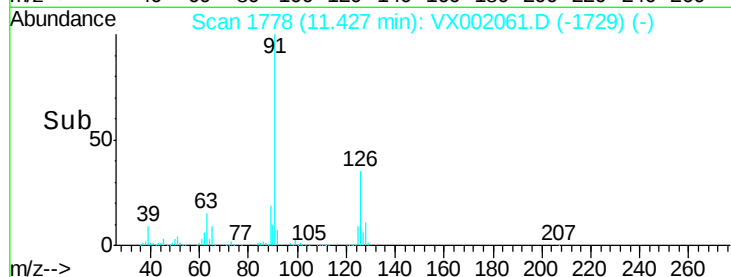
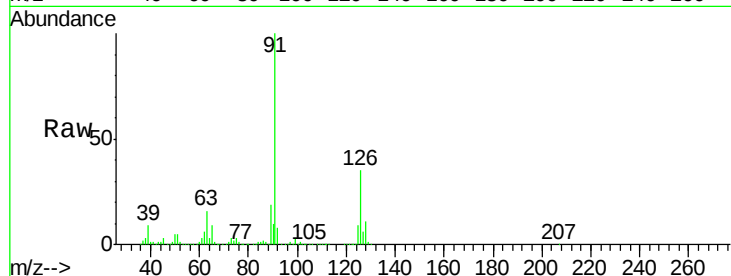
126 35.0 17.4 52.2

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 43.91 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002061.D

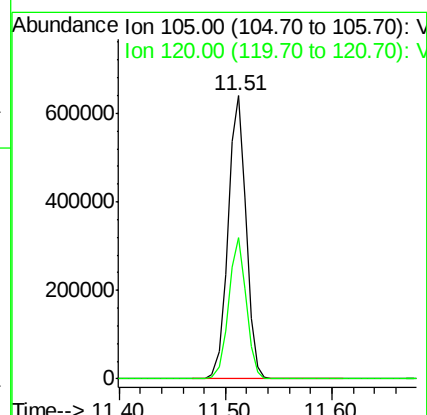
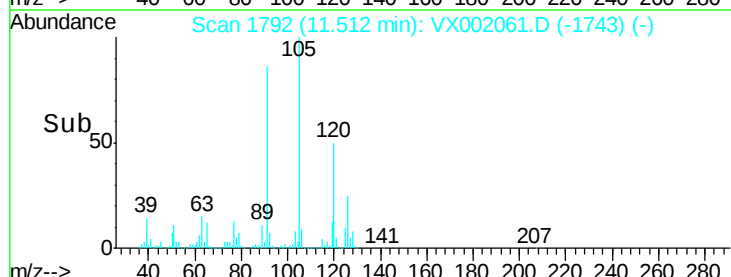
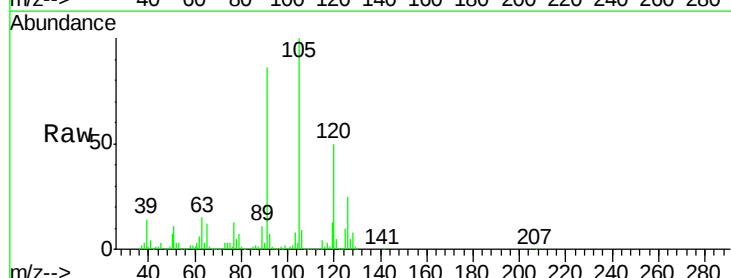
Acq: 27 May 2018 11:34

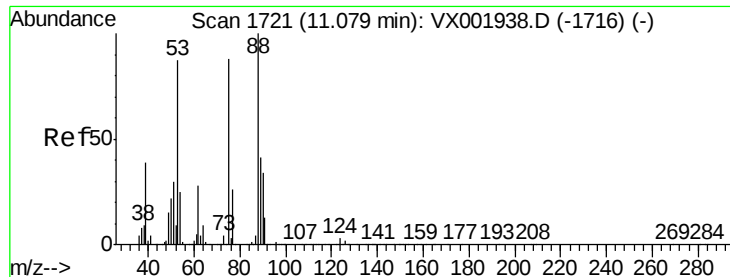
Tgt Ion: 105 Resp: 753285

Ion Ratio Lower Upper

105 100

120 48.8 24.1 72.4





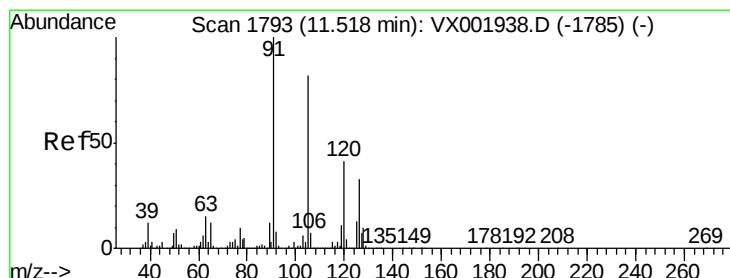
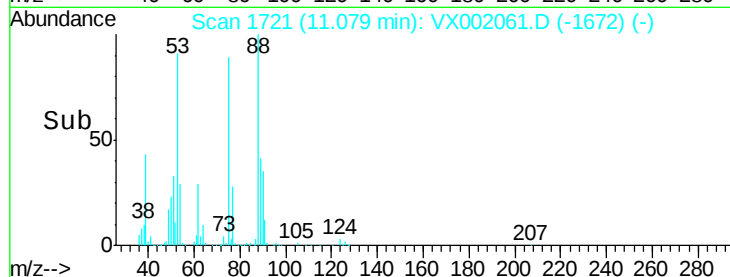
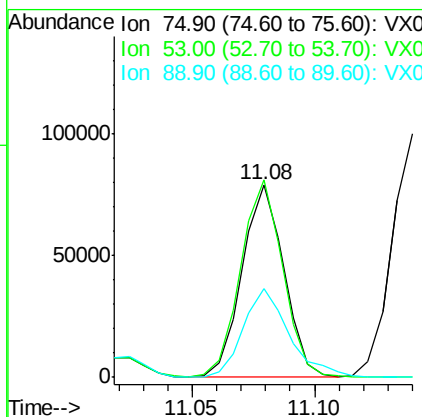
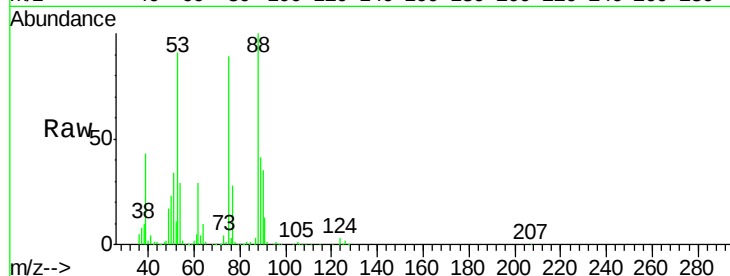
#81
trans-1,4-Dichloro-2-butene
Concen: 39.63 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. -0.00 min
Lab File: VX002061.D
Acq: 27 May 2018 11:34

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	103.9	78.0	117.0
89	51.3	39.4	59.2

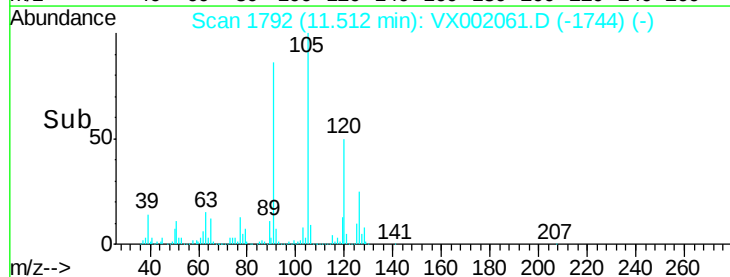
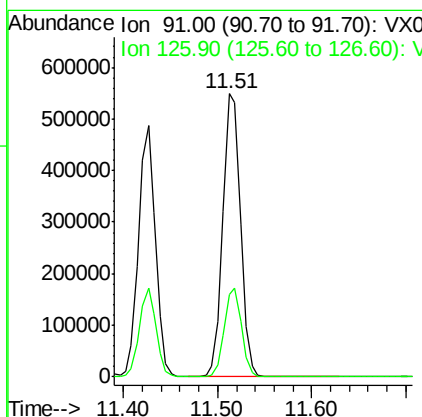
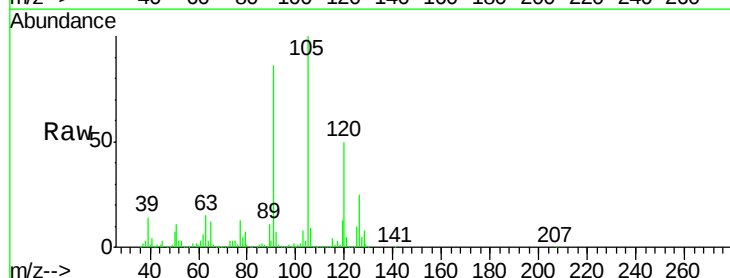
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#82
4-Chlorotoluene
Concen: 45.21 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.01 min
Lab File: VX002061.D
Acq: 27 May 2018 11:34

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.6	15.3	45.8





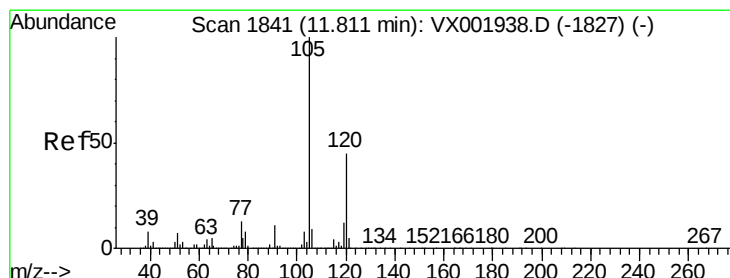
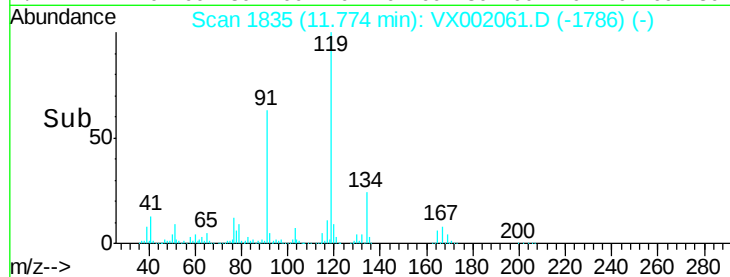
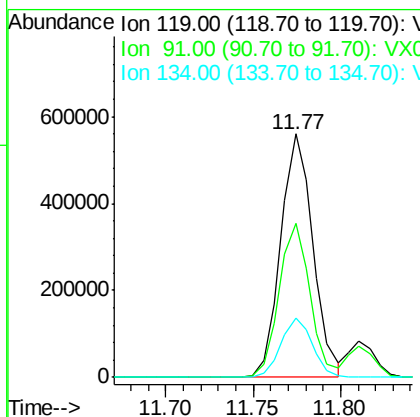
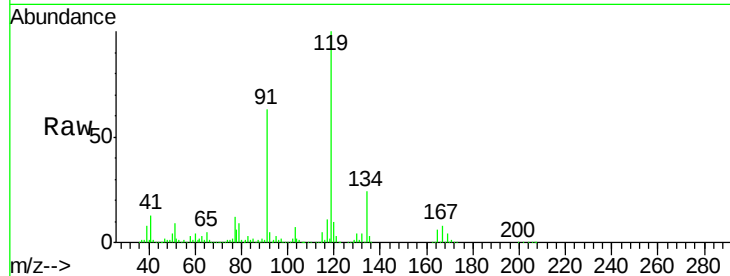
#83
 tert-Butylbenzene
 Concen: 42.92 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX002061.D
 Acq: 27 May 2018 11:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	722456		
91	61.0		30.6	91.8
134	23.5		11.7	35.0

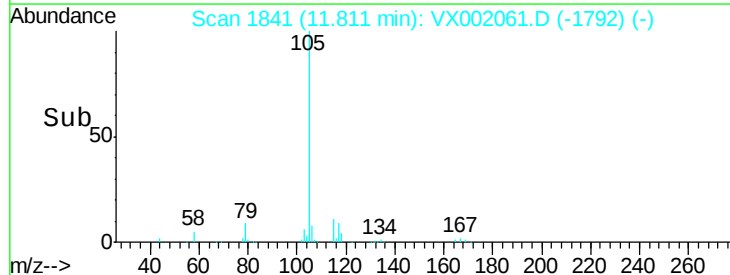
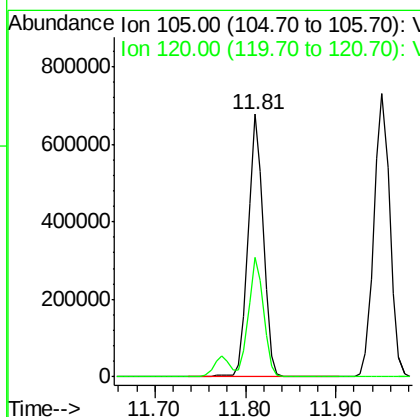
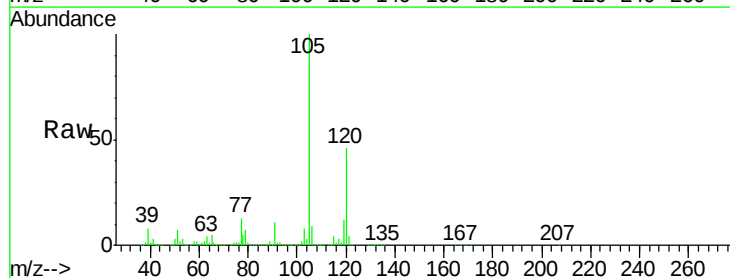
Manual Integrations
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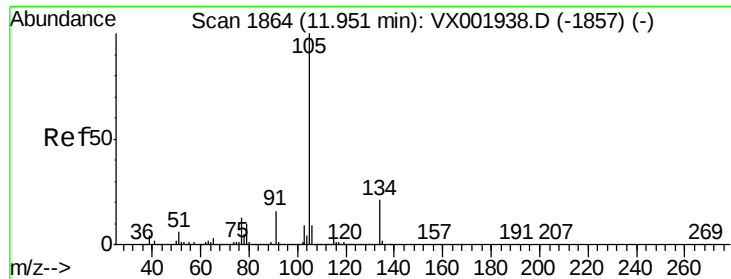
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#84
 1,2,4-Trimethylbenzene
 Concen: 44.46 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX002061.D
 Acq: 27 May 2018 11:34

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	788235		
120	44.6		22.1	66.5





#85

sec-Butylbenzene

Concen: 43.98 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX002061.D

Acq: 27 May 2018 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 889985

Ion Ratio Lower Upper

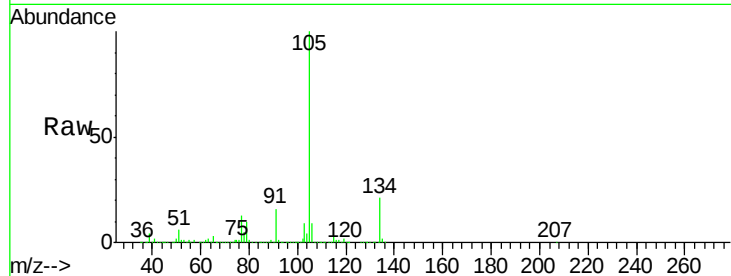
105 100

134 20.8 10.4 31.4

Manual Integrations
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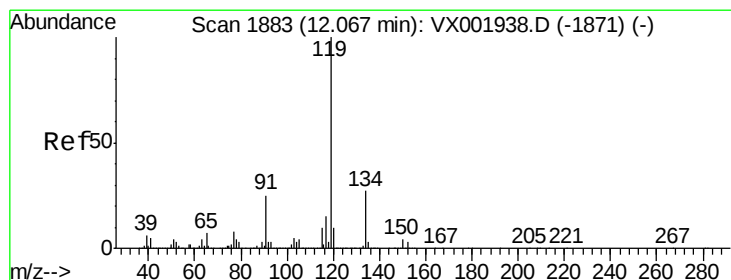
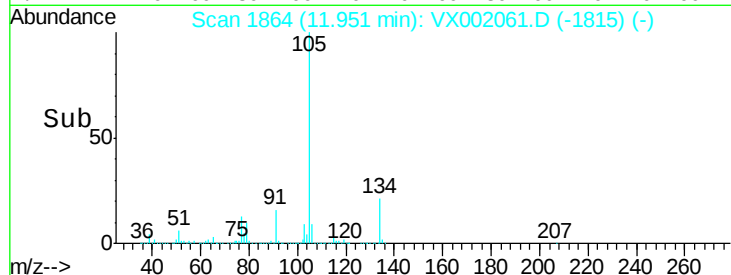
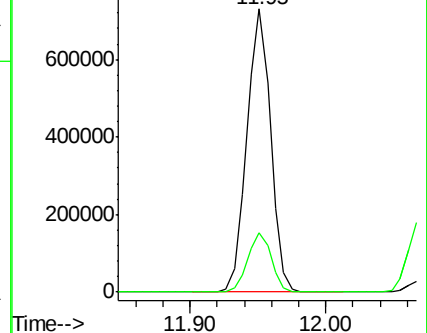
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 44.82 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX002061.D

Acq: 27 May 2018 11:34

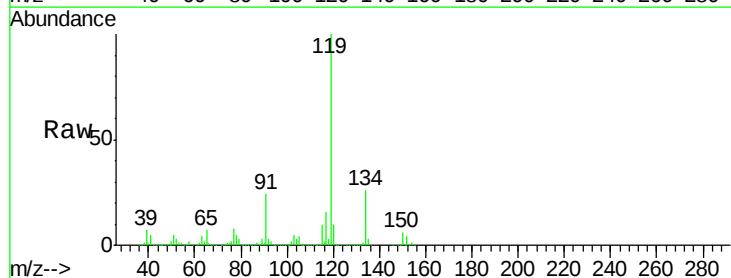
Tgt Ion:119 Resp: 811564

Ion Ratio Lower Upper

119 100

134 26.7 13.6 40.8

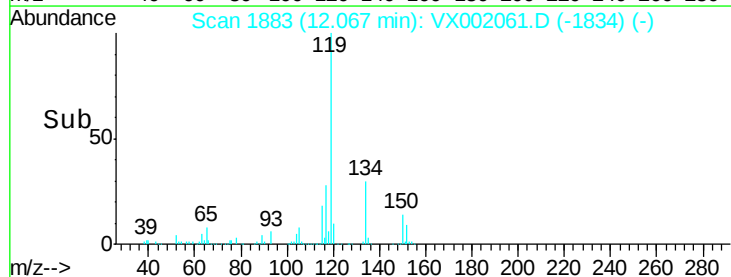
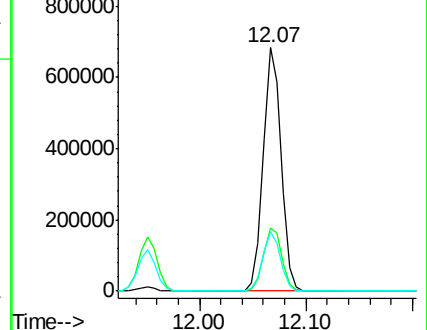
91 24.2 12.2 36.4

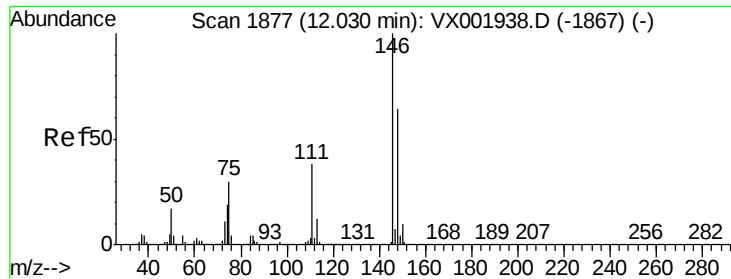


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





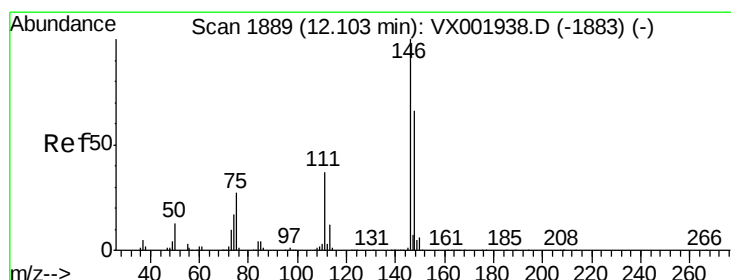
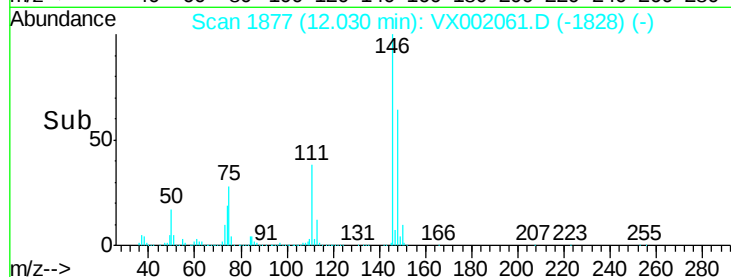
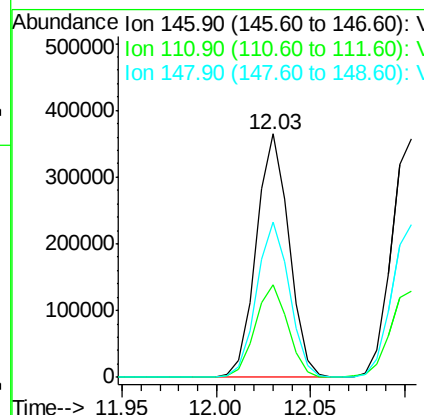
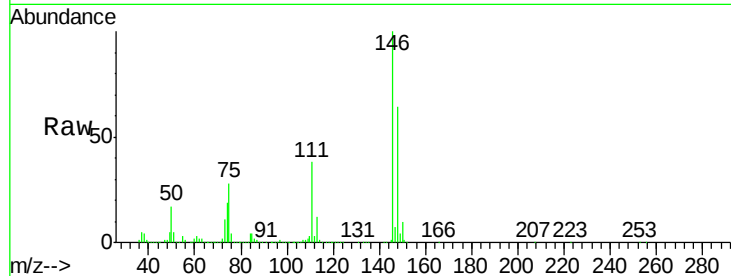
#87
 1,3-Dichlorobenzene
 Concen: 45.95 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX002061.D
 Acq: 27 May 2018 11:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.3	57.8
148	63.9	32.1	96.3

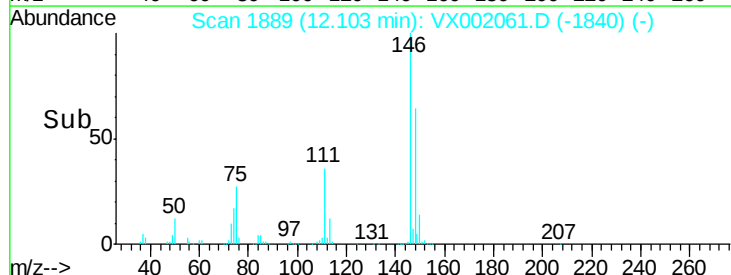
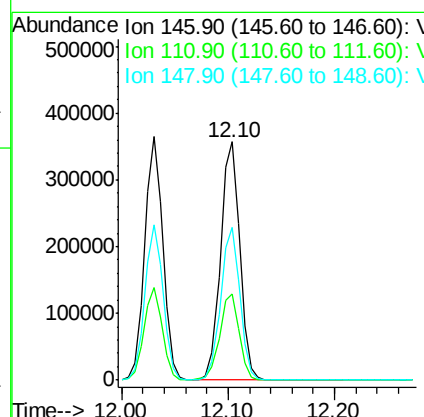
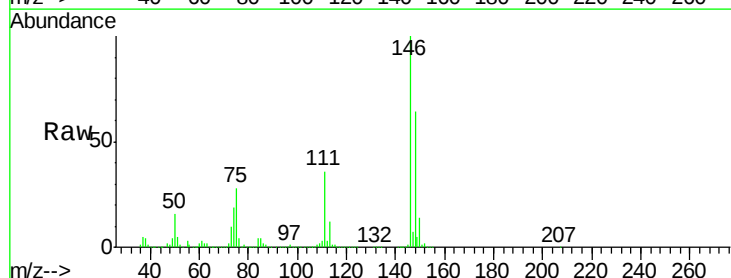
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#88
 1,4-Dichlorobenzene
 Concen: 46.71 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX002061.D
 Acq: 27 May 2018 11:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.9	56.5
148	63.8	32.3	96.8





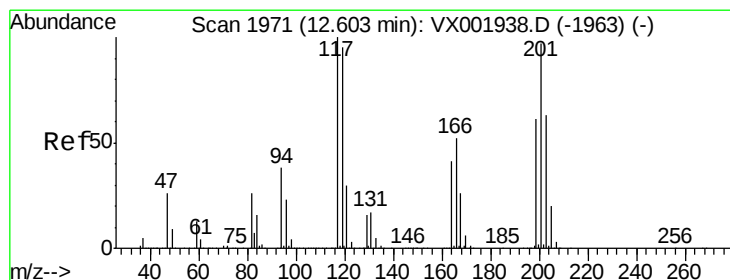
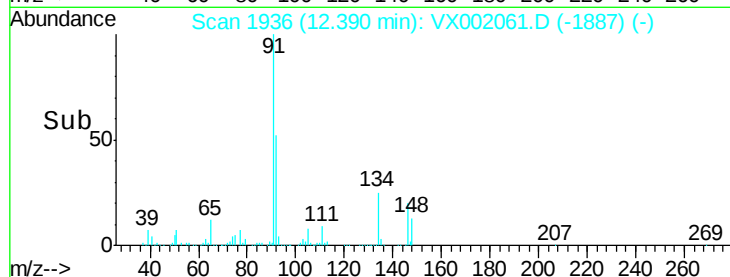
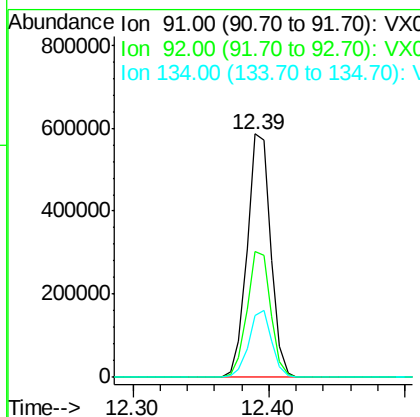
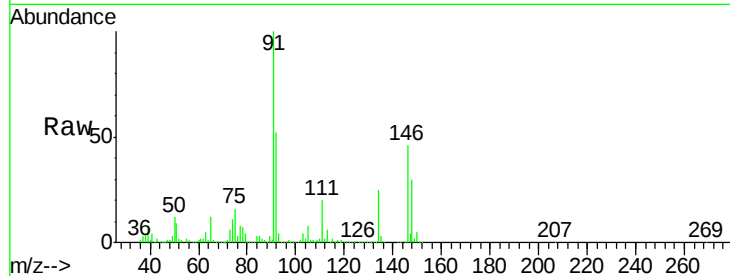
#89
n-Butylbenzene
Concen: 46.22 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX002061.D
Acq: 27 May 2018 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.3	78.9
134	26.7	13.6	40.7

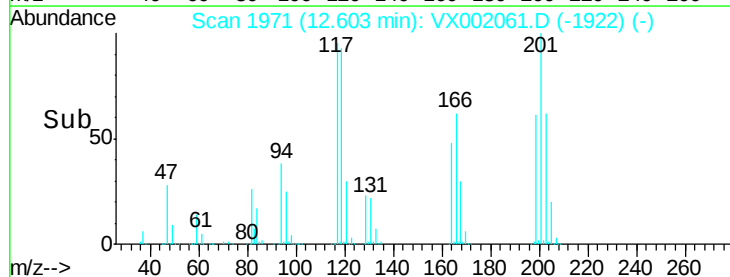
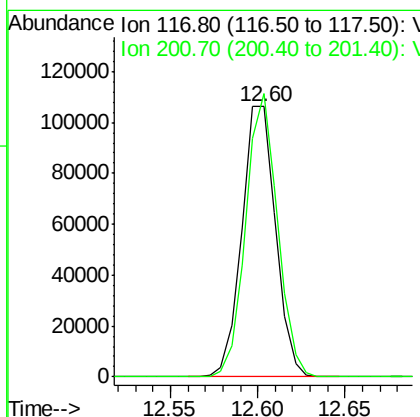
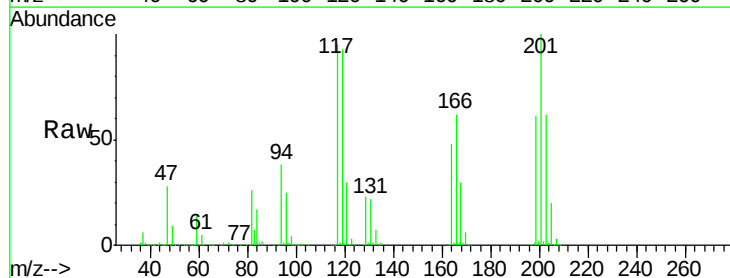
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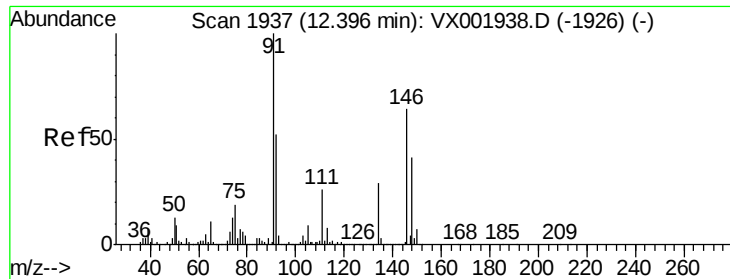
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#90
Hexachloroethane
Concen: 39.94 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX002061.D
Acq: 27 May 2018 11:34

Tgt Ion	Ratio	Lower	Upper
117	100		
201	98.0	48.0	144.0





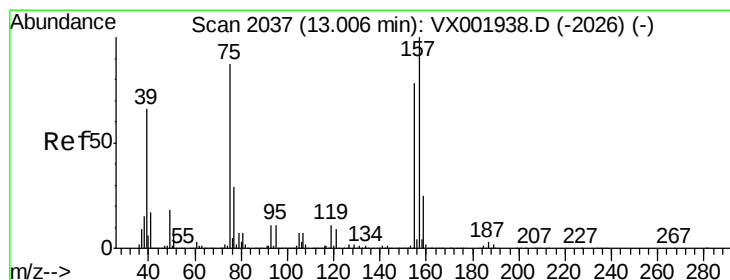
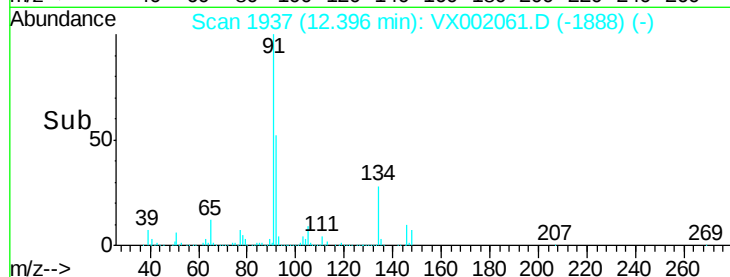
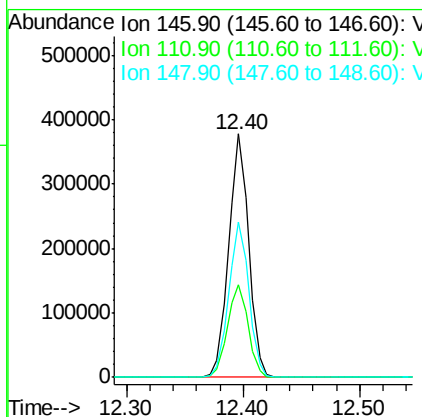
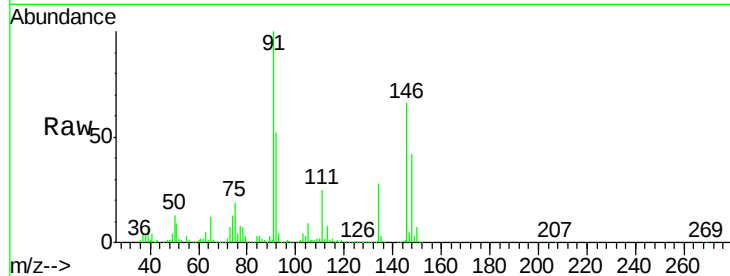
#91
 1,2-Dichlorobenzene
 Concen: 46.38 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX002061.D
 Acq: 27 May 2018 11:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	450675		
111	39.3	19.8	59.3	
148	64.0	32.1	96.5	

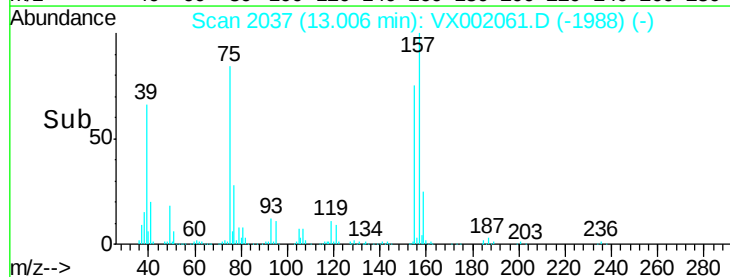
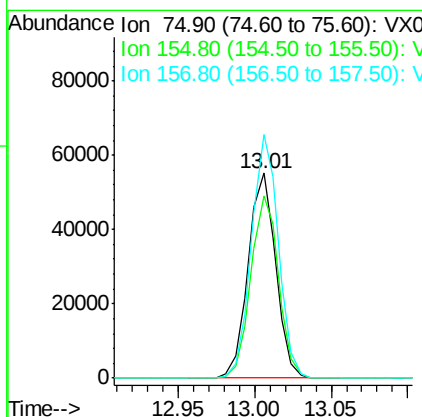
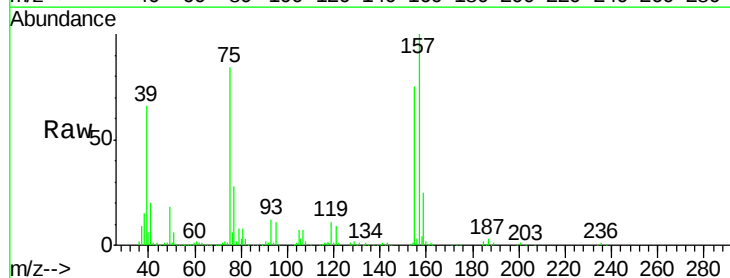
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 38.56 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX002061.D
 Acq: 27 May 2018 11:34

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	68813		
155	89.6	45.1	135.2	
157	116.5	58.1	174.2	





#93

1,2,4-Trichlorobenzene

Concen: 48.25 ug/l

RT: 13.65 min Scan# 2143

Delta R.T. -0.00 min

Lab File: VX002061.D

Acq: 27 May 2018 11:34

Instrument :

MSVOA_X

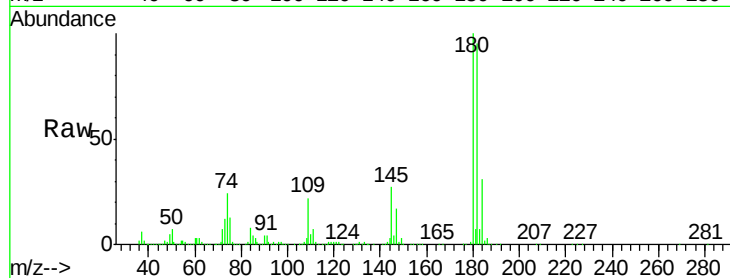
ClientSampleId :

VSTDCCC050

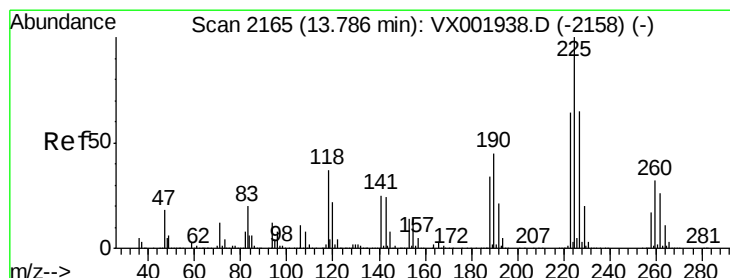
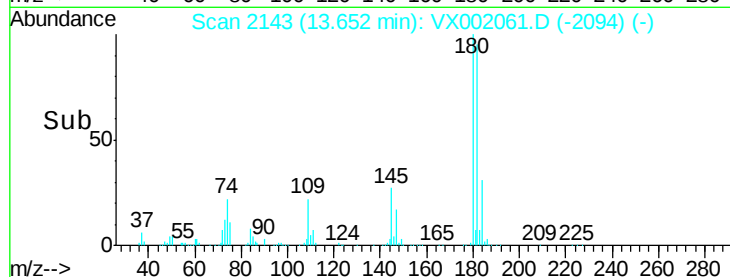
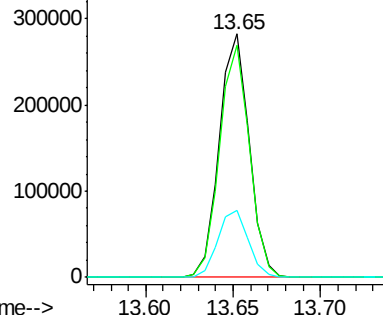
Tot Ion:	180	Resp:	335307
Ion Ratio	Lower	Upper	
180	100		
182	95.3	47.7	143.1
145	28.3	14.4	43.0

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



#94

Hexachlorobutadiene

Concen: 44.74 ug/l

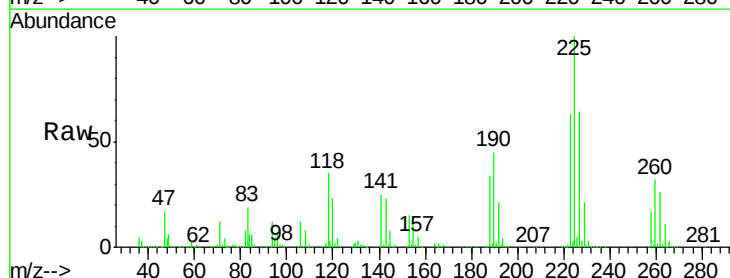
RT: 13.79 min Scan# 2165

Delta R.T. -0.00 min

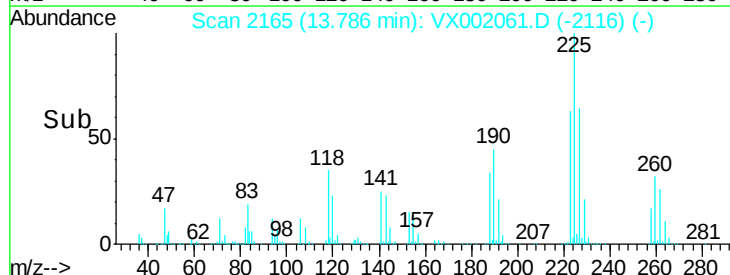
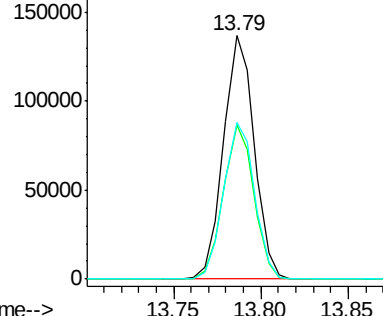
Lab File: VX002061.D

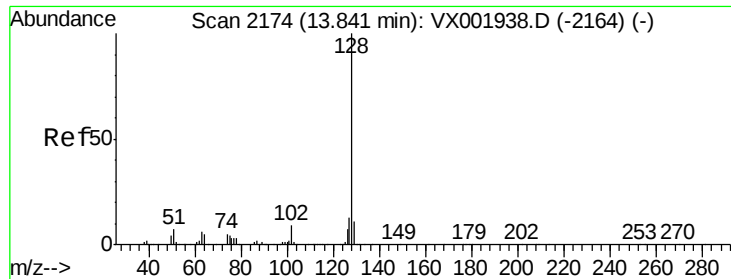
Acq: 27 May 2018 11:34

Tgt Ion:	225	Resp:	167231
Ion Ratio	Lower	Upper	
225	100		
223	62.9	31.1	93.5
227	64.8	32.1	96.5



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





#95

Naphthalene

Concen: 45.15 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX002061.D

Acq: 27 May 2018 11:34

Instrument :

MSVOA_X

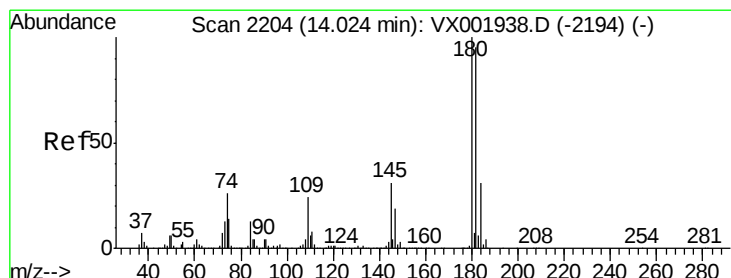
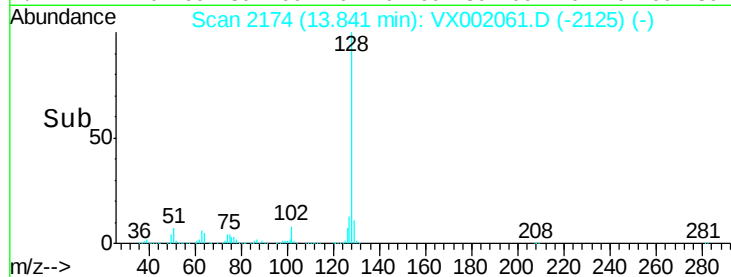
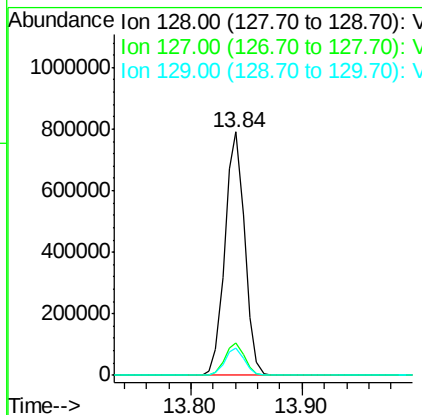
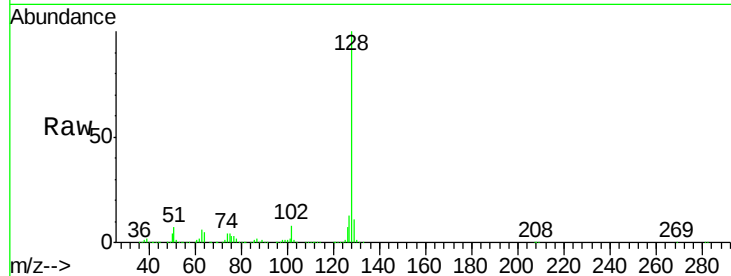
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	966727
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.4	15.6
129	11.0	8.8	13.2

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 47.31 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX002061.D

Acq: 27 May 2018 11:34

Tgt Ion:	180	Resp:	340179
Ion Ratio	Lower	Upper	
180	100		
182	96.1	47.9	143.6
145	29.7	15.1	45.3

