

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052418\
 Data File : VX001941.D
 Acq On : 24 May 2018 13:29
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICSVX052418

Manual Integrations
 APPROVED

MMDadoda
 5/25/2018 2:25:53 PM

Quant Time: May 25 03:40:24 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	370278	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	493995	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	459358	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	320895	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	329306	49.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.50%	
35) Dibromofluoromethane	5.51	113	259739	52.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.16%	
50) Toluene-d8	8.72	98	956702	53.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.98%	
62) 4-Bromofluorobenzene	11.14	95	385341	55.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	249483	54.00	ug/l	98
3) Chloromethane	1.32	50	271420	47.64	ug/l	99
4) Vinyl Chloride	1.40	62	259563	47.19	ug/l	98
5) Bromomethane	1.64	94	147842	58.55	ug/l	98
6) Chloroethane	1.72	64	153071	47.20	ug/l	100
7) Trichlorofluoromethane	1.92	101	399959	48.42	ug/l	100
8) Diethyl Ether	2.19	74	143107	47.74	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	230883	50.09	ug/l	100
10) Methyl Iodide	2.51	142	277577	44.50	ug/l	100
11) Tert butyl alcohol	3.09	59	304517	234.39	ug/l	99
12) 1,1-Dichloroethene	2.37	96	205172	47.54	ug/l	98
13) Acrolein	2.30	56	133163	237.06	ug/l	96
14) Allyl chloride	2.73	41	429006	47.35	ug/l	100
15) Acrylonitrile	3.15	53	630238	235.90	ug/l	100
16) Acetone	2.45	43	616416	241.32	ug/l	100
17) Carbon Disulfide	2.57	76	607510	48.91	ug/l	99
18) Methyl Acetate	2.78	43	306570	49.82	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	770550	47.47	ug/l	99
20) Methylene Chloride	2.86	84	225620	51.05	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	219740	52.37	ug/l	99
22) Diisopropyl ether	3.88	45	789434	42.84	ug/l	98
23) Vinyl Acetate	3.83	43	3495479	228.78	ug/l	99
24) 1,1-Dichloroethane	3.70	63	414980	47.41	ug/l	100
25) 2-Butanone	4.72	43	1107183	236.49	ug/l	99
26) 2,2-Dichloropropane	4.59	77	437016	49.32	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	269252	47.84	ug/l	96
28) Bromochloromethane	5.02	49	176752	47.97	ug/l	99
29) Tetrahydrofuran	5.17	42	701782	230.40	ug/l	99
30) Chloroform	5.22	83	457968	46.44	ug/l	98
31) Cyclohexane	5.57	56	432296	47.40	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	434504	47.26	ug/l	99
36) 1,1-Dichloropropene	5.80	75	347581	50.58	ug/l	99
37) Ethyl Acetate	4.87	43	431254	48.14	ug/l	100
38) Carbon Tetrachloride	5.78	117	398159	49.69	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	442559	52.43	ug/l	98
40) Benzene	6.15	78	1003540	49.85	ug/l	100
41) Methacrylonitrile	5.07	41	244665	51.81	ug/l	99
42) 1,2-Dichloroethane	6.20	62	391589	48.70	ug/l	99
43) Isopropyl Acetate	6.48	43	734419	49.20	ug/l	100
44) Trichloroethene	7.21	130	292145	49.80	ug/l	97
45) 1,2-Dichloropropane	7.52	63	266747	48.79	ug/l	100
46) Dibromomethane	7.67	93	179224	49.52	ug/l	100
47) Bromodichloromethane	7.90	83	379877	49.22	ug/l	99
48) Methyl methacrylate	7.79	41	373703	49.19	ug/l	99
49) 1,4-Dioxane	7.76	88	131739	984.08	ug/l	98
51) 4-Methyl-2-Pentanone	8.66	43	2196546	244.12	ug/l	100
52) Toluene	8.79	92	639950	49.95	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	452548	50.91	ug/l	100
54) cis-1,3-Dichloropropene	9.05	75	443754	51.23	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	259111	48.41	ug/l	99
56) Ethyl methacrylate	9.19	69	444001	48.23	ug/l	100
57) 1,3-Dichloropropane	9.38	76	434859	49.32	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	1247751	305.81	ug/l	99
59) 2-Hexanone	9.51	43	1734040	249.94	ug/l	100
60) Dibromochloromethane	9.59	129	321657	50.74	ug/l	99
61) 1,2-Dibromoethane	9.68	107	278630	49.62	ug/l	100
64) Tetrachloroethene	9.34	164	327746	49.76	ug/l	100
65) Chlorobenzene	10.15	112	727958	50.02	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	289067	49.19	ug/l	100
67) Ethyl Benzene	10.26	91	1280097	50.62	ug/l	100
68) m/p-Xylenes	10.37	106	988172	102.23	ug/l	100
69) o-Xylene	10.70	106	484607	50.21	ug/l	100
70) Styrene	10.72	104	814996	50.92	ug/l	100
71) Bromoform	10.86	173	280493	50.34	ug/l #	99
73) Isopropylbenzene	11.02	105	1315587	48.41	ug/l	100
74) N-amyl acetate	6.48	43	734419	52.24	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	385584	51.93	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	412897m	53.57	ug/l	
77) Bromobenzene	11.26	156	350847	48.66	ug/l	99
78) n-propylbenzene	11.37	91	1515656	49.80	ug/l	100
79) 2-Chlorotoluene	11.43	91	897641	53.95	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	1136349	48.93	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	147937	46.13	ug/l #	95
82) 4-Chlorotoluene	11.52	91	1058509	49.31	ug/l	100
83) tert-Butylbenzene	11.77	119	1110165	48.72	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	1173233	48.89	ug/l	100
85) sec-Butylbenzene	11.95	105	1372971	50.12	ug/l	100
86) p-Isopropyltoluene	12.07	119	1250725	51.02	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	643837	49.87	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	650126	50.36	ug/l	100
89) n-Butylbenzene	12.39	91	1098983	52.91	ug/l	100
90) Hexachloroethane	12.60	117	234638	48.53	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	648175	49.27	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	112109	46.40	ug/l	98

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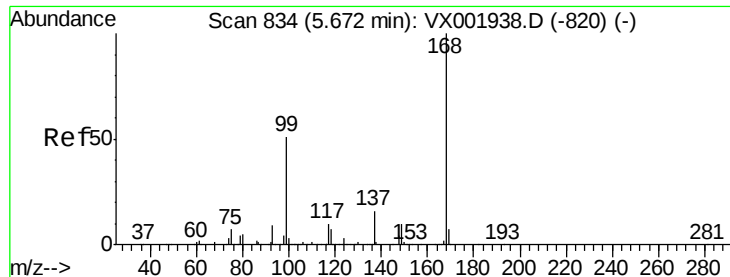
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	498474	52.99	ug/l	100
94) Hexachlorobutadiene	13.79	225	269993	53.36	ug/l	99
95) Naphthalene	13.84	128	1451504	50.08	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	501026	51.47	ug/l	100

(#) = 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: VX001941.D

Acq: 24 May 2018 13:29

Instrument :

MSVOA_X

ClientSampleId :

ICVVX052418

Tot Ion:168 Resp: 370278

Ion Ratio Lower Upper

168 100

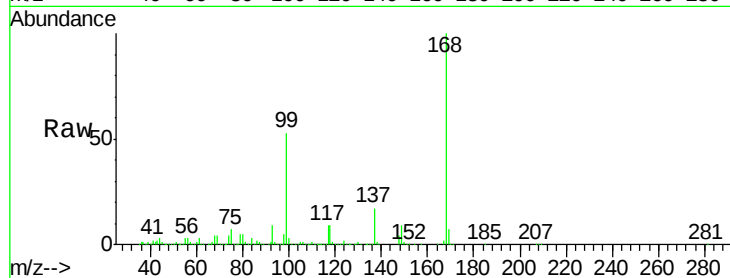
99 52.7 41.0 61.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

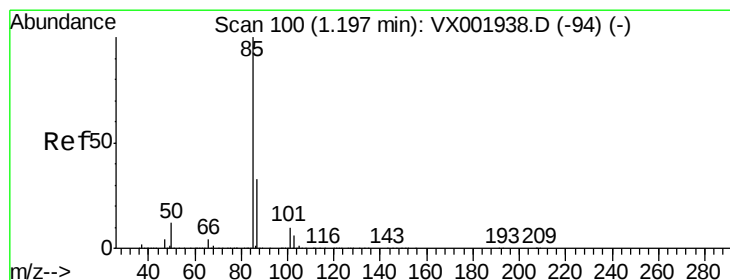
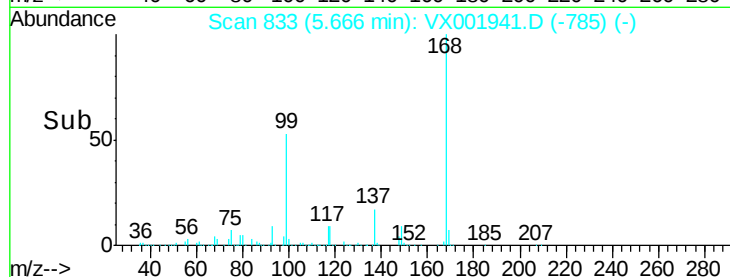
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 54.00 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX001941.D

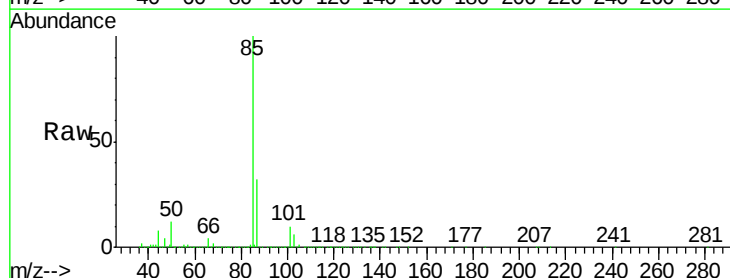
Acq: 24 May 2018 13:29

Tgt Ion: 85 Resp: 249483

Ion Ratio Lower Upper

85 100

87 32.4 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

250000

200000

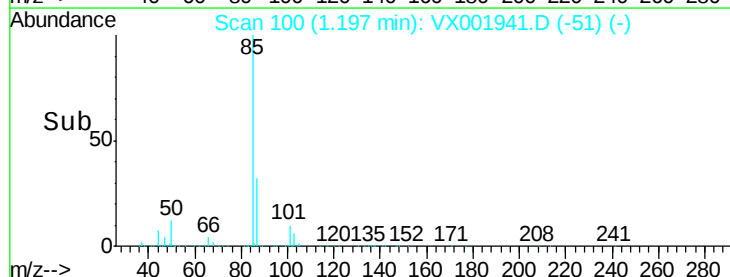
150000

100000

50000

0

Time-->





#3

Chloromethane

Concen: 47.64 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX001941.D

Acq: 24 May 2018 13:29

Instrument :

MSVOA_X

ClientSampleId :

ICVVX052418

Tot Ion: 50 Resp: 271420

Ion Ratio Lower Upper

50 100

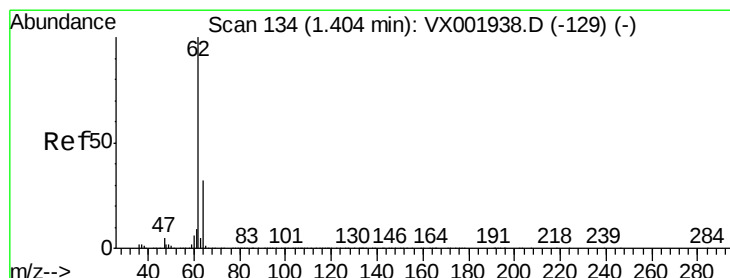
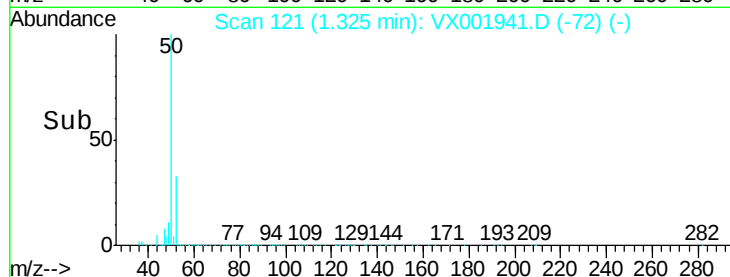
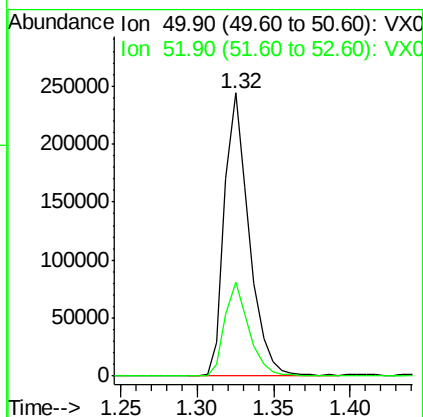
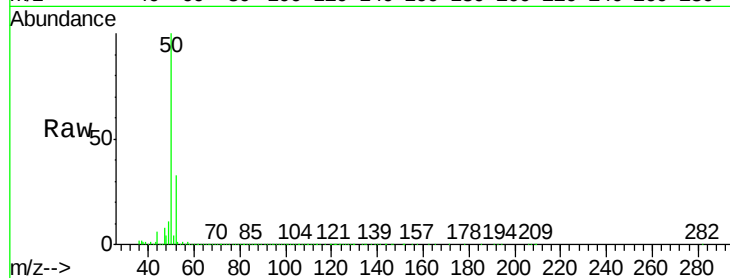
52 33.2 26.0 39.0

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#4

Vinyl Chloride

Concen: 47.19 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX001941.D

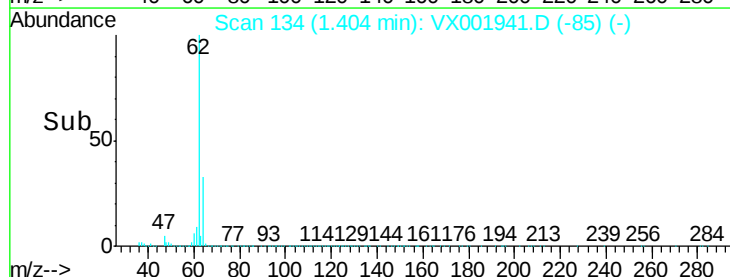
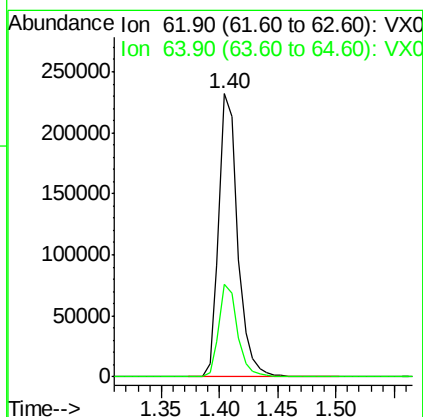
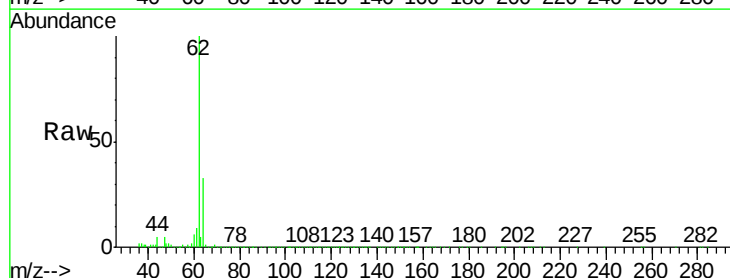
Acq: 24 May 2018 13:29

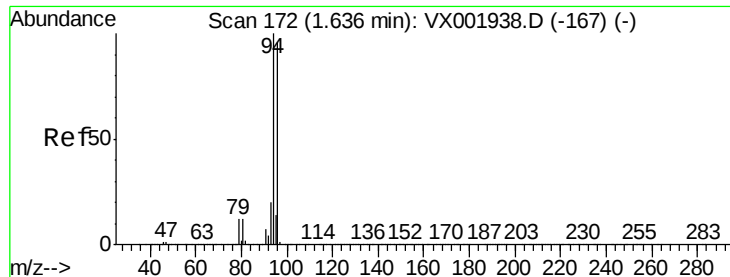
Tgt Ion: 62 Resp: 259563

Ion Ratio Lower Upper

62 100

64 32.6 25.4 38.0





#5

Bromomethane

Concen: 58.55 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX001941.D

Acq: 24 May 2018 13:29

Instrument :

MSVOA_X

ClientSampleId :

ICVVX052418

Tot Ion: 94 Resp: 147842

Ion Ratio Lower Upper

94 100

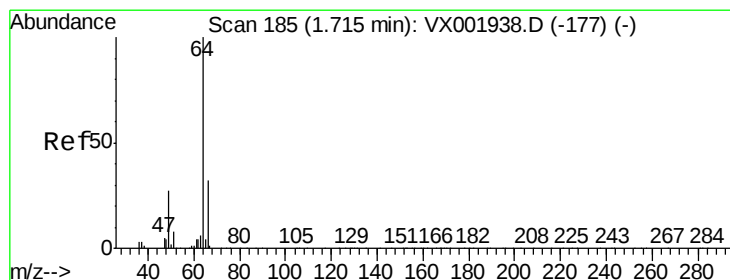
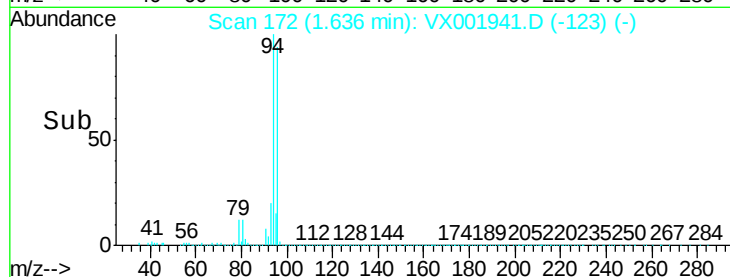
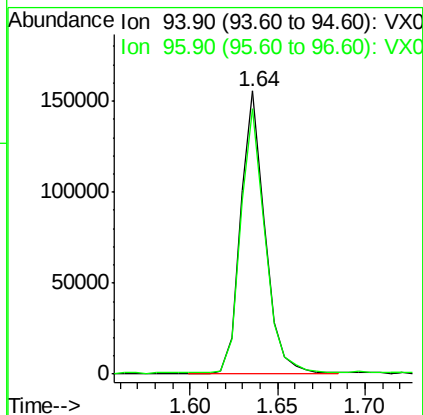
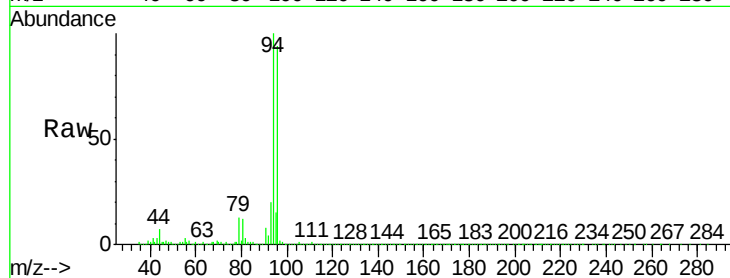
96 93.4 75.9 113.9

Manual Integrations

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#6

Chloroethane

Concen: 47.20 ug/l

RT: 1.72 min Scan# 185

Delta R.T. 0.00 min

Lab File: VX001941.D

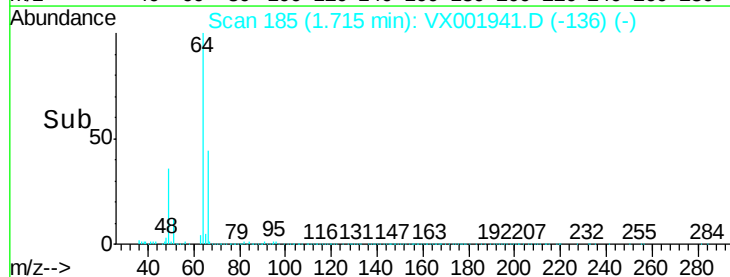
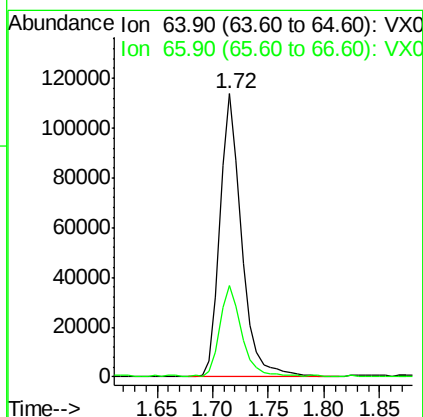
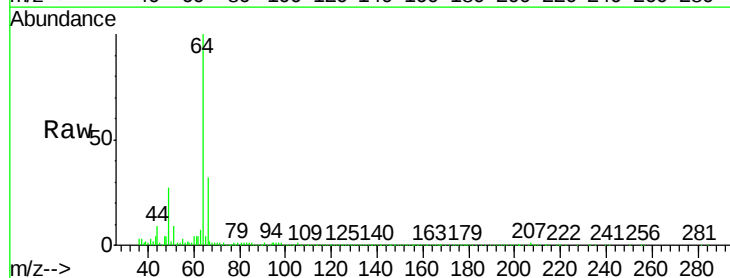
Acq: 24 May 2018 13:29

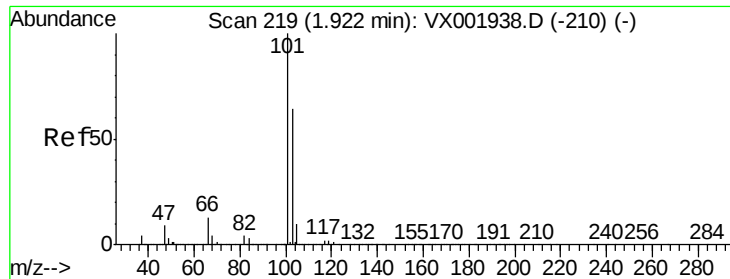
Tgt Ion: 64 Resp: 153071

Ion Ratio Lower Upper

64 100

66 31.9 25.6 38.4





#7

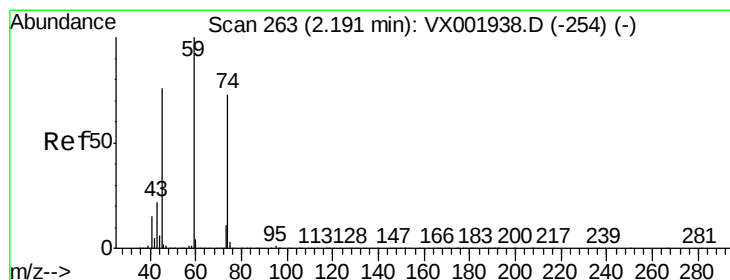
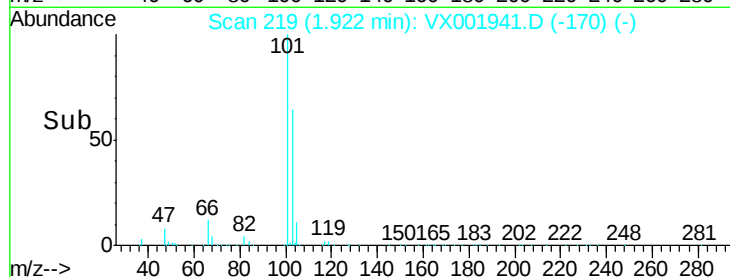
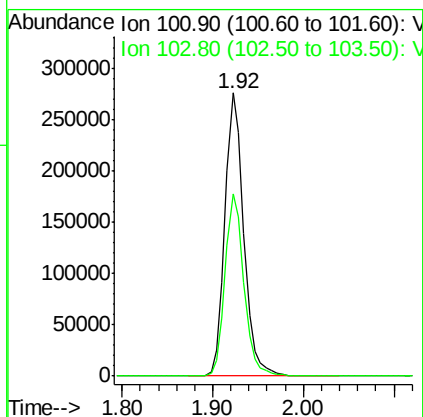
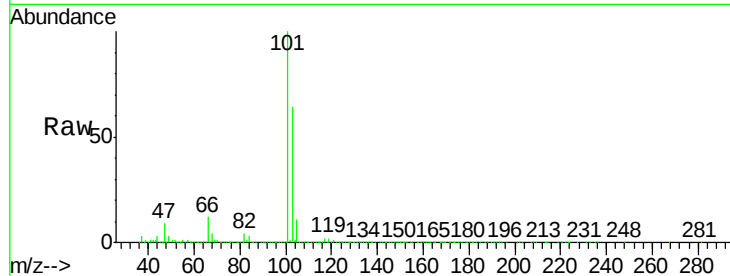
Trichlorofluoromethane
Concen: 48.42 ug/l
RT: 1.92 min Scan# 219
Delta R.T. -0.00 min
Lab File: VX001941.D
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	399959		
103	64.4	51.4	77.0	

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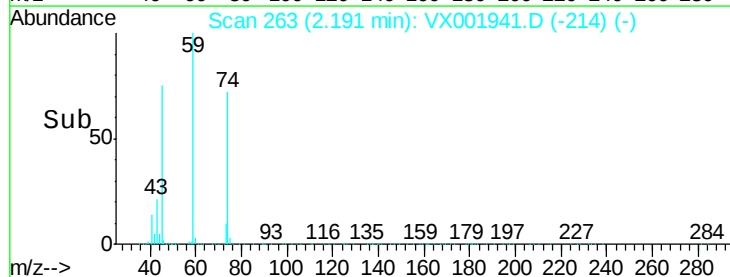
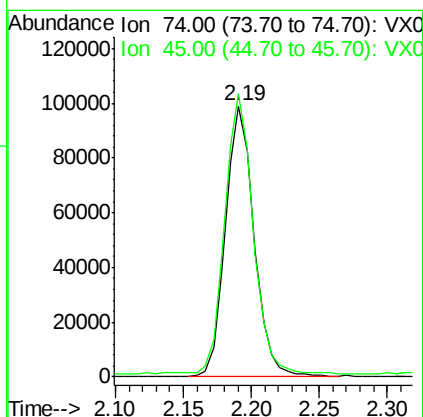
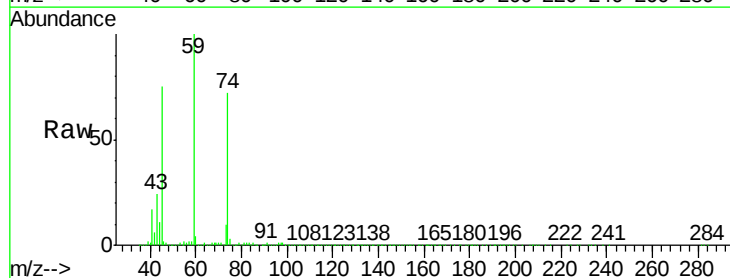
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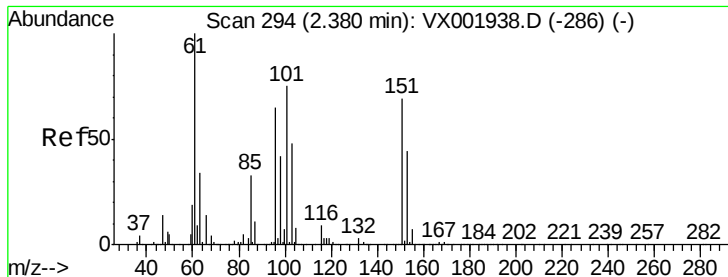


#8

Diethyl Ether
Concen: 47.74 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.00 min
Lab File: VX001941.D
Acq: 24 May 2018 13:29

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	143107		
45	103.5	51.5	154.7	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.09 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.00 min

Lab File: VX001941.D

Acq: 24 May 2018 13:29

Instrument :

MSVOA_X

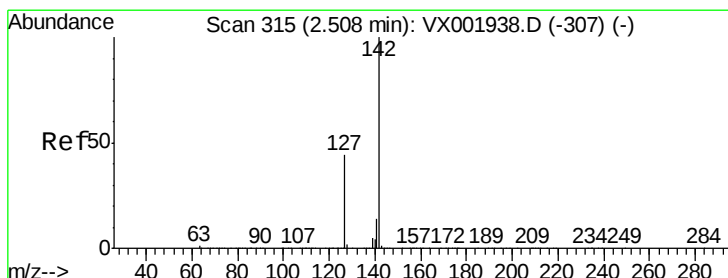
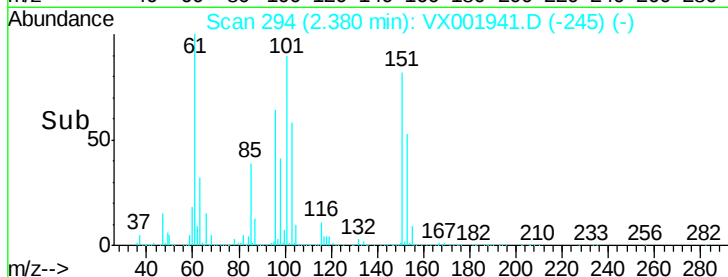
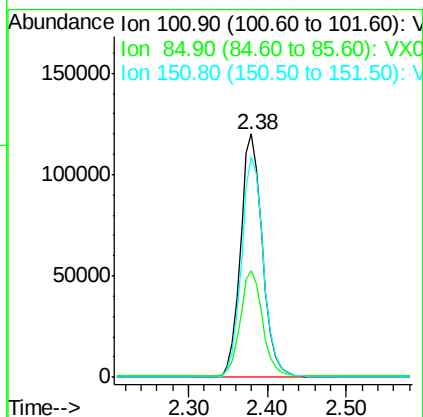
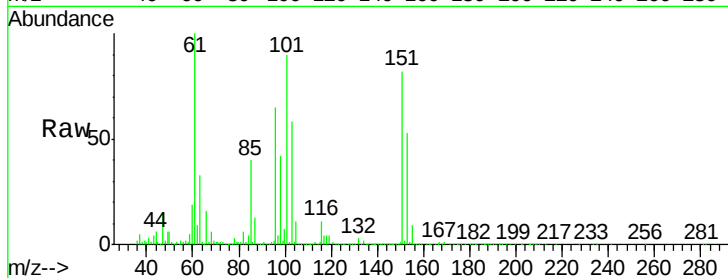
ClientSampleId :

ICVVX052418

Tot Ion:	101	Resp:	230883
Ion Ratio	Lower	Upper	
101	100		
85	43.9	35.6	53.4
151	91.3	73.2	109.8

Manual Integrations
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#10

Methyl Iodide

Concen: 44.50 ug/l

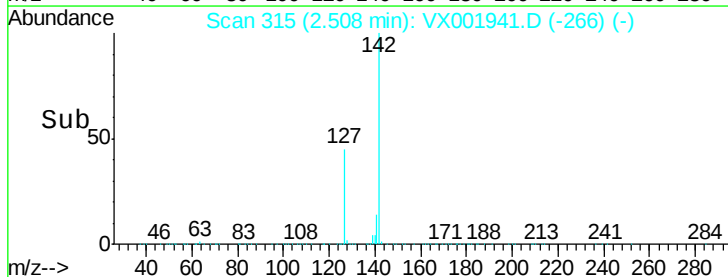
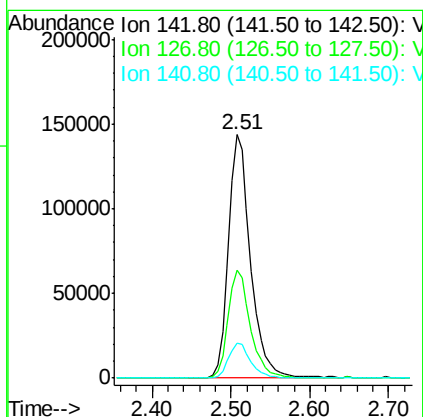
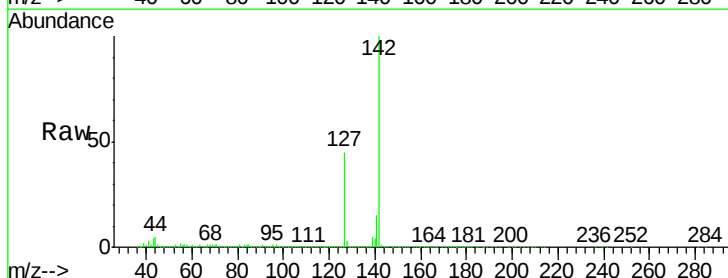
RT: 2.51 min Scan# 315

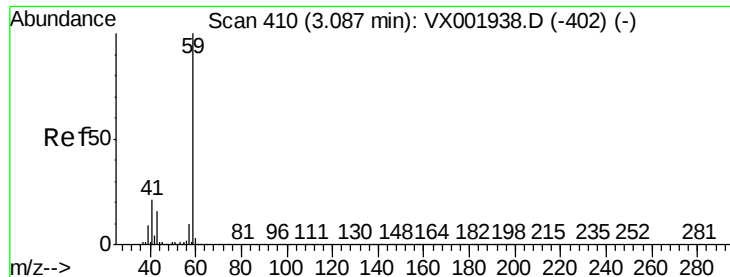
Delta R.T. -0.00 min

Lab File: VX001941.D

Acq: 24 May 2018 13:29

Tgt Ion:	142	Resp:	277577
Ion Ratio	Lower	Upper	
142	100		
127	44.5	35.5	53.3
141	14.4	11.3	16.9





#11

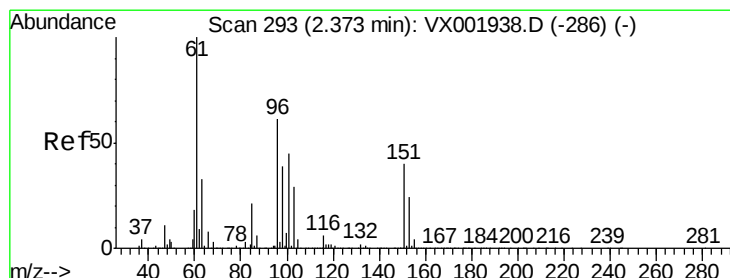
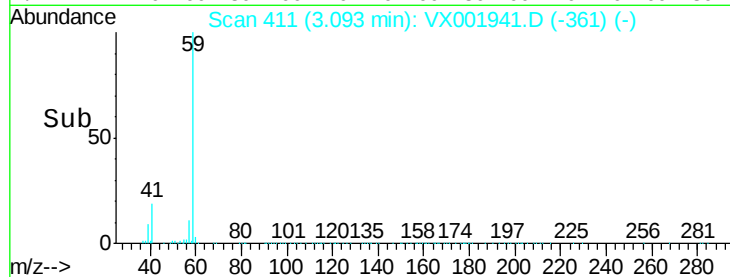
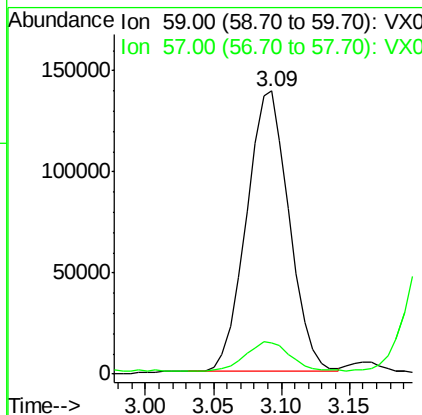
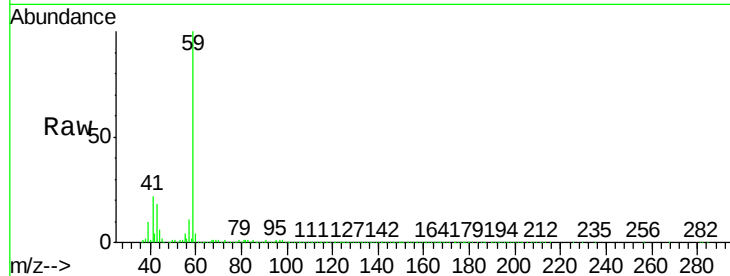
Tert butyl alcohol
Concen: 234.39 ug/l
RT: 3.09 min Scan# 411
Delta R.T. 0.01 min
Lab File: VX001941.D
Acq: 24 May 2018 13:29

Instrument :
MSVOA_X
ClientSampleId :
ICVVX052418

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.9	13.3

Manual Integrations
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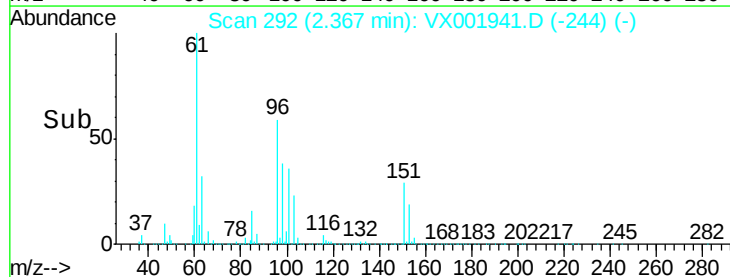
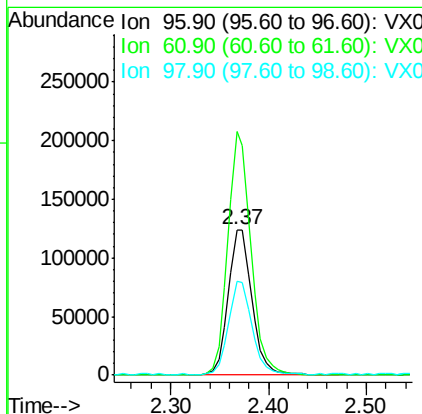
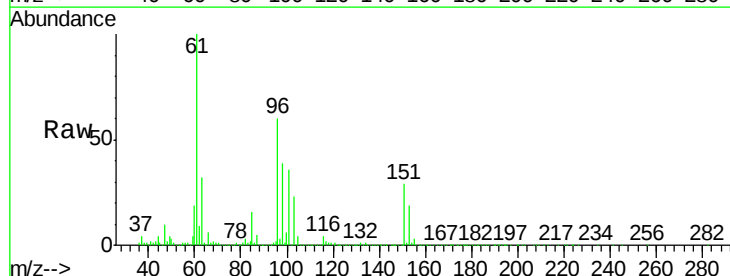
MMDadoda
5/25/2018 2:25:53 PM



#12

1,1-Dichloroethene
Concen: 47.54 ug/l
RT: 2.37 min Scan# 292
Delta R.T. -0.01 min
Lab File: VX001941.D
Acq: 24 May 2018 13:29

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.9	131.7	197.5
98	64.4	51.6	77.4





#13

Acrolein

Concen: 237.06 ug/l

RT: 2.30 min Scan# 281

Delta R.T. -0.00 min

Lab File: VX001941.D

Acq: 24 May 2018 13:29

Instrument :

MSVOA_X

ClientSampleId :

ICVVX052418

Tot Ion: 56 Resp: 133163

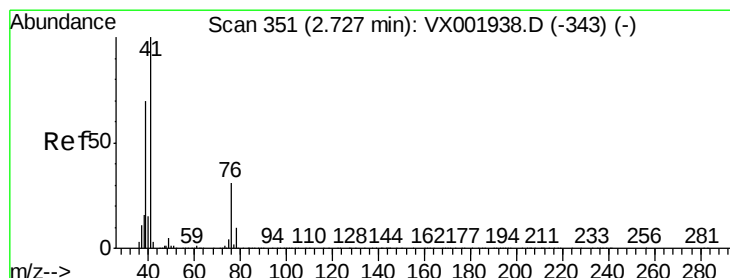
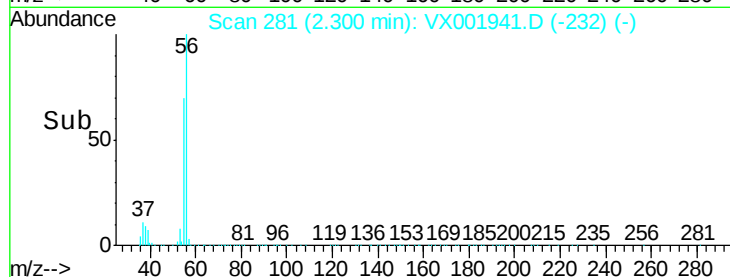
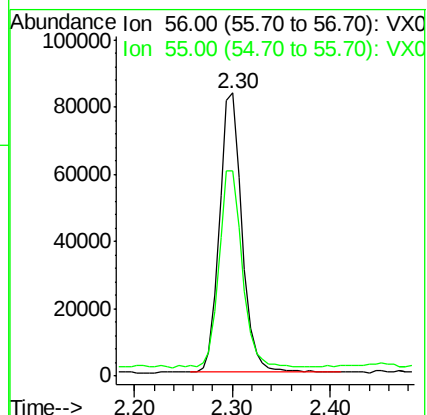
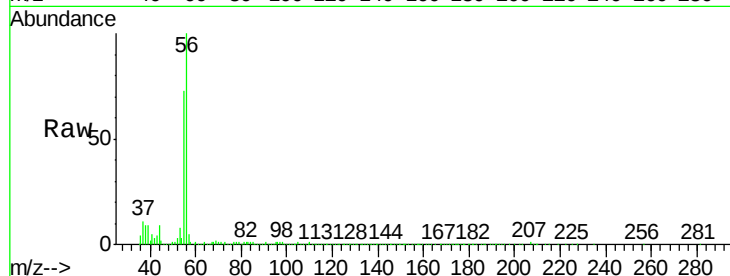
Ion Ratio Lower Upper

56 100

55 73.9 56.8 85.2

Manual Integrations
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#14

Allyl chloride

Concen: 47.35 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX001941.D

Acq: 24 May 2018 13:29

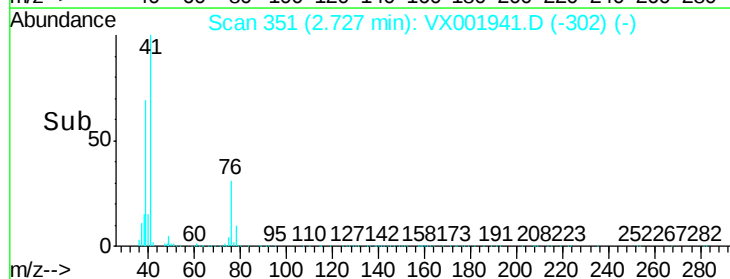
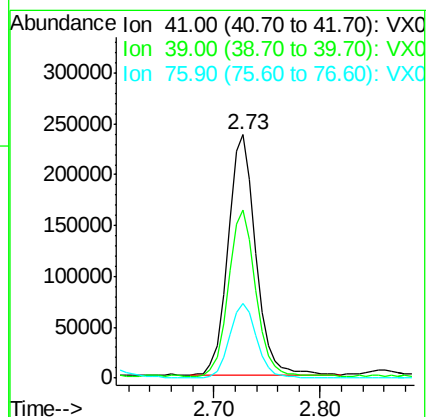
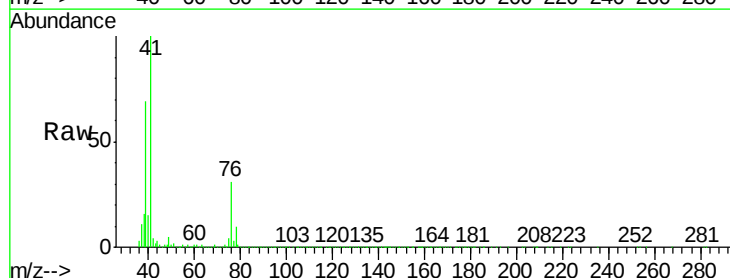
Tgt Ion: 41 Resp: 429006

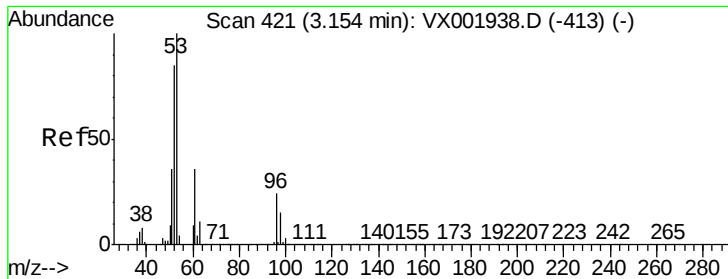
Ion Ratio Lower Upper

41 100

39 67.8 54.3 81.5

76 30.6 24.2 36.4





#15

Acrylonitrile

Concen: 235.90 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX001941.D

Acq: 24 May 2018 13:29

Instrument :

MSVOA_X

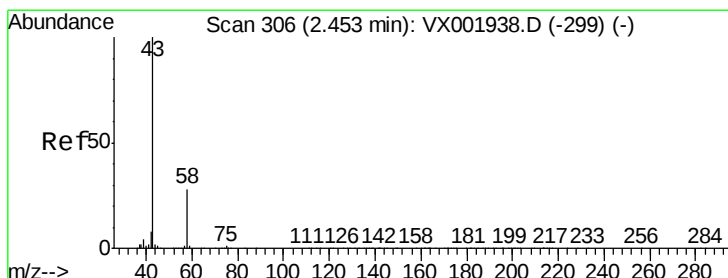
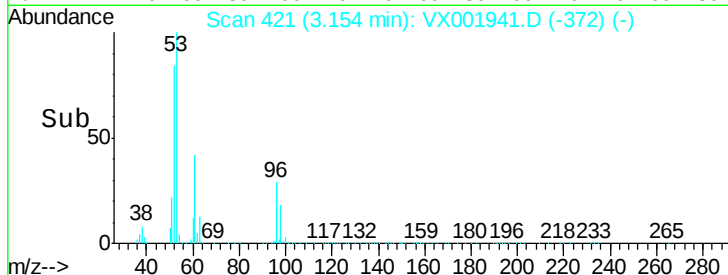
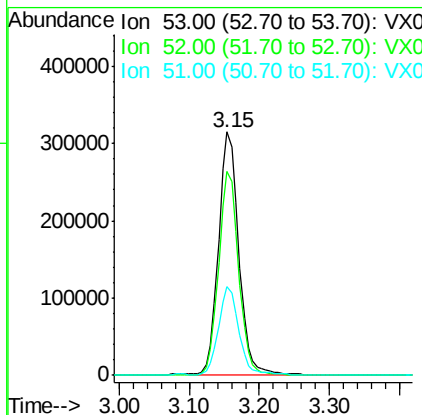
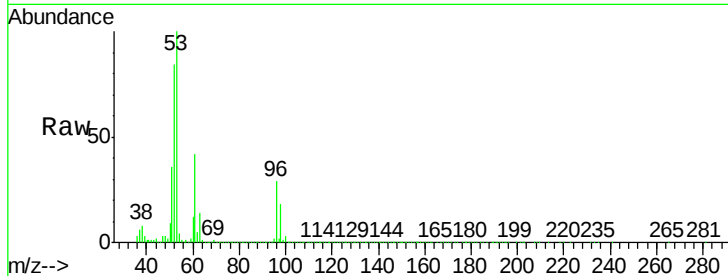
ClientSampleId :

ICVVX052418

Tot Ion:	53	Resp:	630238
Ion Ratio		Lower	Upper
53	100		
52	83.0	66.4	99.6
51	36.4	29.3	43.9

Manual Integrations
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#16

Acetone

Concen: 241.32 ug/l

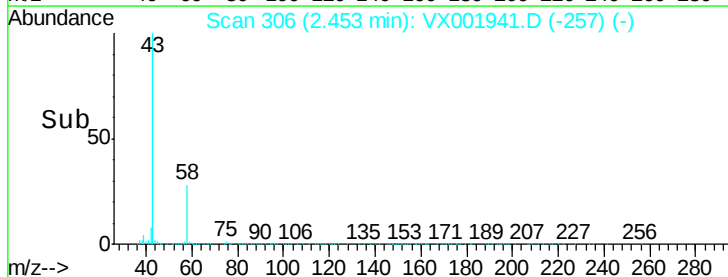
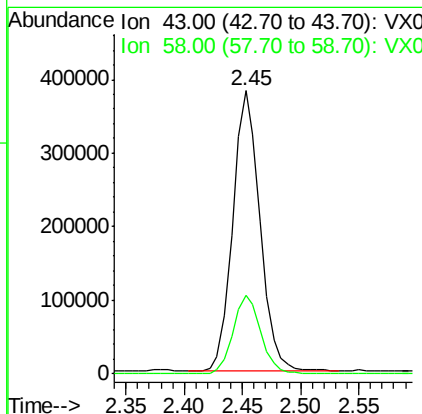
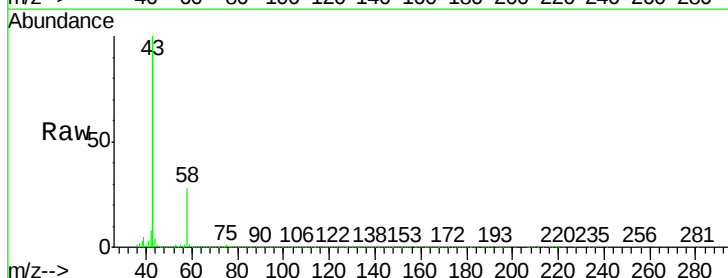
RT: 2.45 min Scan# 306

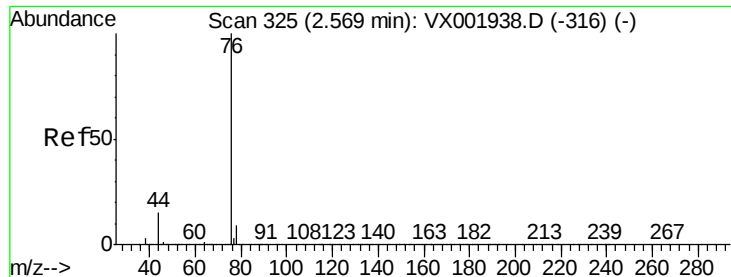
Delta R.T. -0.00 min

Lab File: VX001941.D

Acq: 24 May 2018 13:29

Tgt Ion:	43	Resp:	616416
Ion Ratio		Lower	Upper
43	100		
58	28.1	22.3	33.5





#17

Carbon Disulfide

Concen: 48.91 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.00 min

Lab File: VX001941.D

Acq: 24 May 2018 13:29

Instrument :

MSVOA_X

ClientSampleId :

ICVVX052418

Tot Ion: 76 Resp: 607510

Ion Ratio Lower Upper

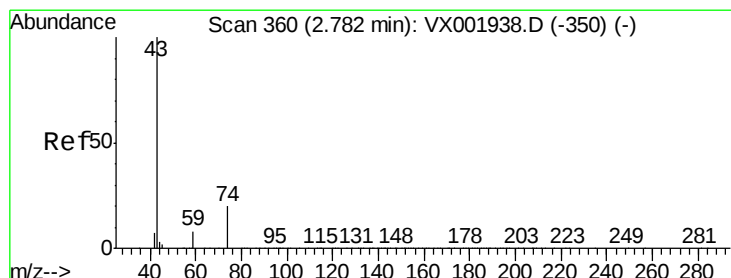
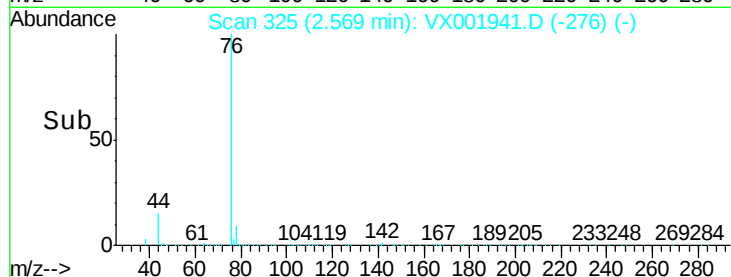
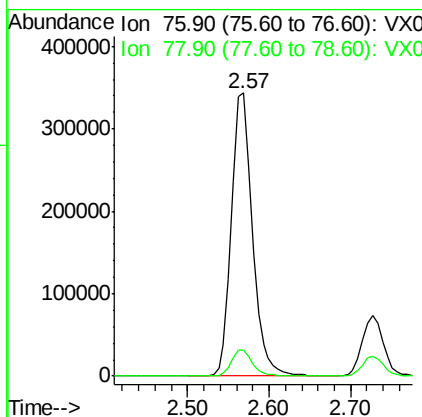
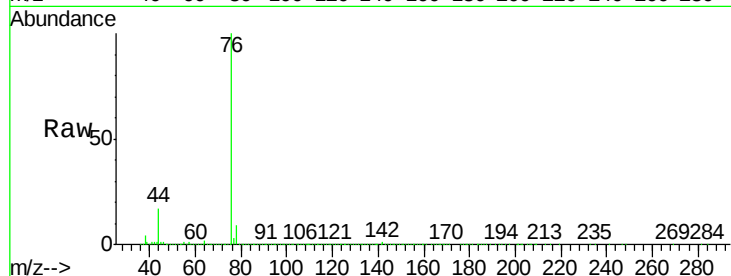
76 100

78 8.9 7.4 11.2

Manual Integrations
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#18

Methyl Acetate

Concen: 49.82 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX001941.D

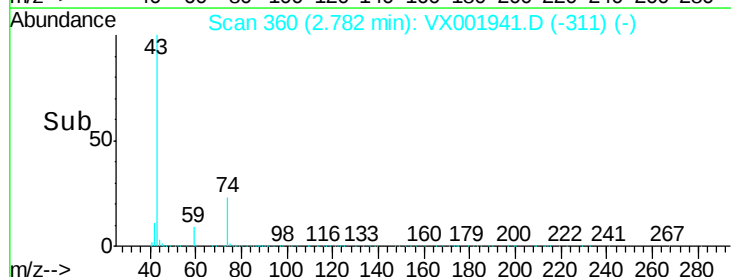
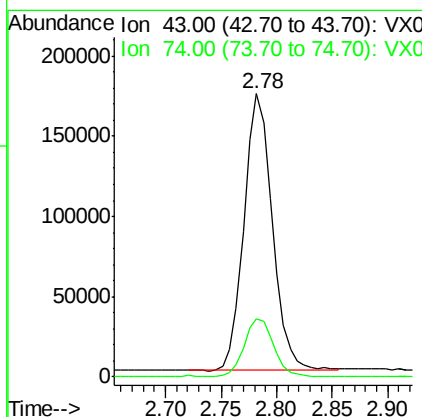
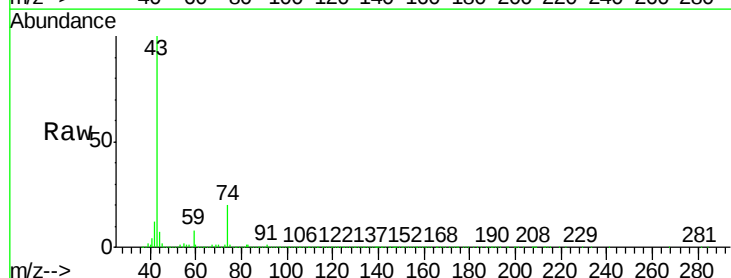
Acq: 24 May 2018 13:29

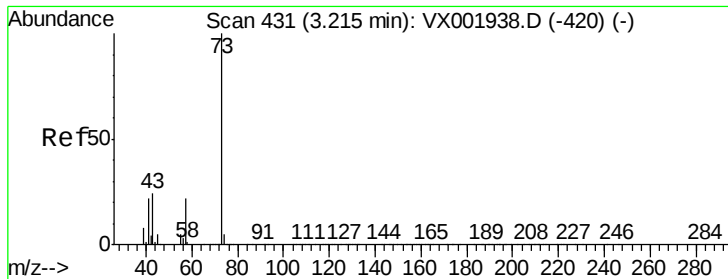
Tgt Ion: 43 Resp: 306570

Ion Ratio Lower Upper

43 100

74 21.0 16.8 25.2





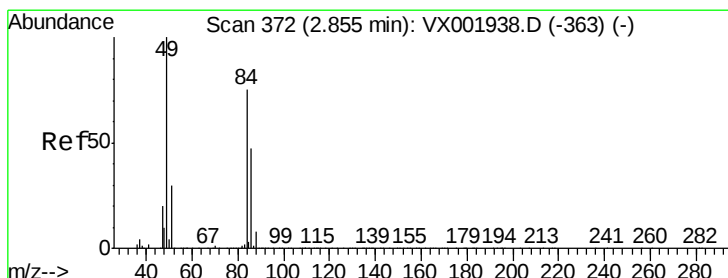
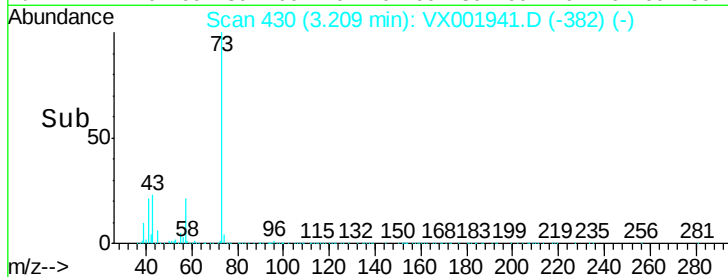
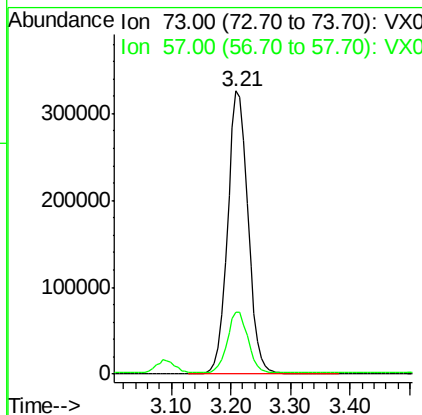
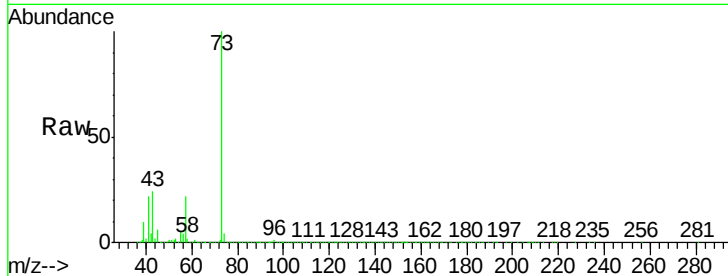
#19
Methvl tert-butvl Ether
Concen: 47.47 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.01 min
Lab File: VX001941.D
Acq: 24 May 2018 13:29

Instrument :
MSVOA_X
ClientSampleId :
ICVVX052418

Tot Ion: 73 Resp: 770550
Ion Ratio Lower Upper
73 100
57 21.3 17.4 26.0

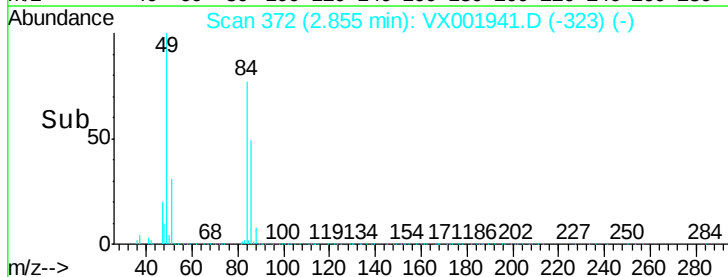
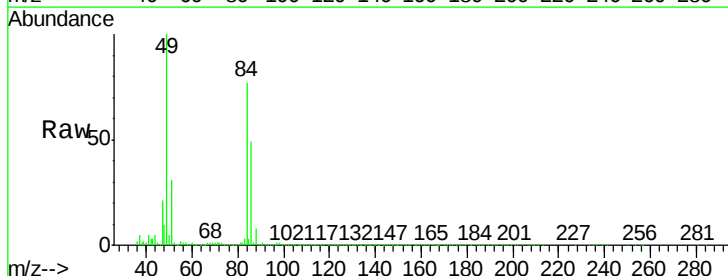
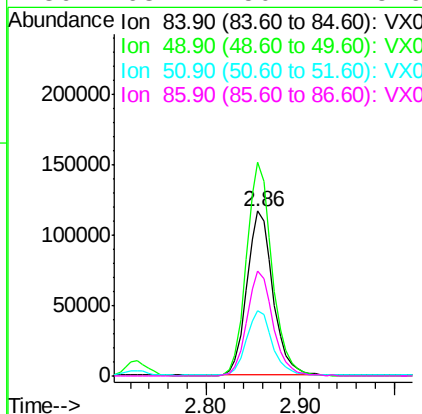
Manual Integrations
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#20
Methylene Chloride
Concen: 51.05 ug/l
RT: 2.86 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX001941.D
Acq: 24 May 2018 13:29

Tgt Ion: 84 Resp: 225620
Ion Ratio Lower Upper
84 100
49 129.9 107.2 160.8
51 39.7 32.4 48.6
86 63.4 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 52.37 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.01 min

Lab File: VX001941.D

Acq: 24 May 2018 13:29

Instrument :

MSVOA_X

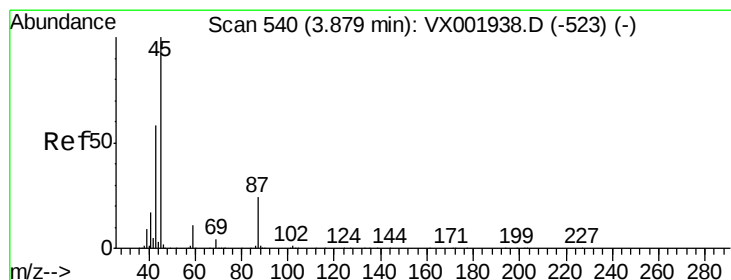
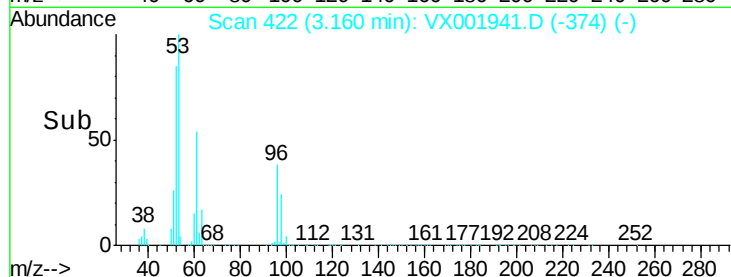
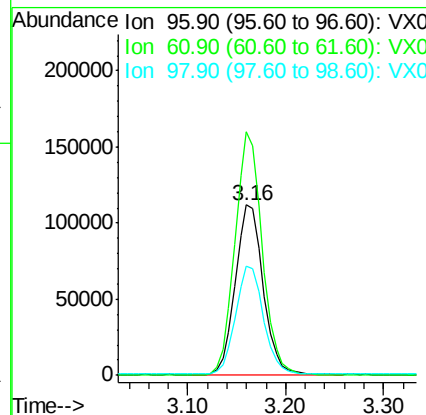
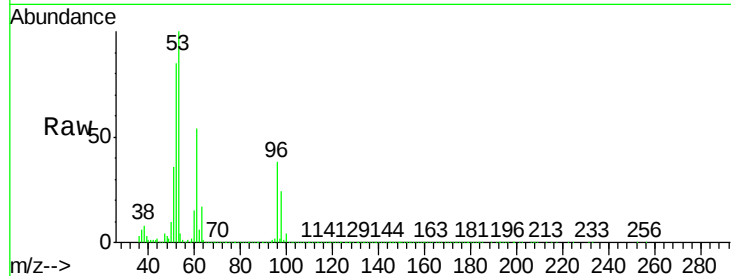
ClientSampleId :

ICVVX052418

Tot Ion:	96	Resp:	219740
Ion	Ratio	Lower	Upper
96	100		
61	143.3	113.3	169.9
98	63.6	51.7	77.5

Manual Integrations
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#22

Diisopropyl ether

Concen: 42.84 ug/l

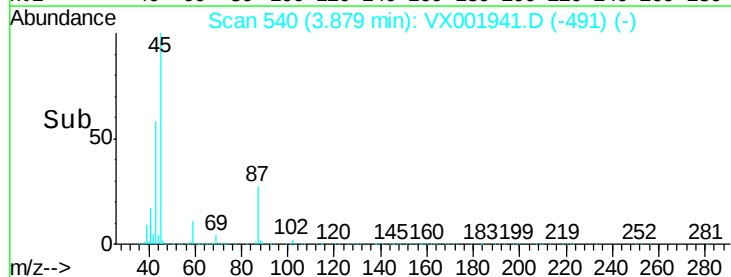
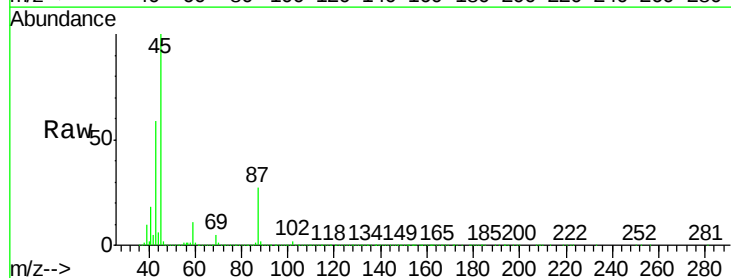
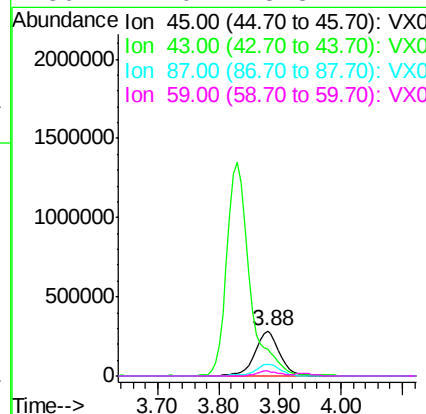
RT: 3.88 min Scan# 540

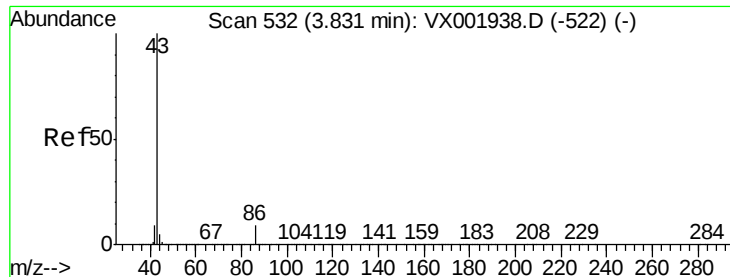
Delta R.T. -0.00 min

Lab File: VX001941.D

Acq: 24 May 2018 13:29

Tgt Ion:	45	Resp:	789434
Ion	Ratio	Lower	Upper
45	100		
43	57.9	47.0	70.6
87	26.9	19.4	29.0
59	11.0	8.5	12.7





#23

Vinyl Acetate

Concen: 228.78 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX001941.D

Acq: 24 May 2018 13:29

Instrument :

MSVOA_X

ClientSampleId :

ICVVX052418

Tot Ion: 43 Resp: 3495479

Ion Ratio Lower Upper

43 100

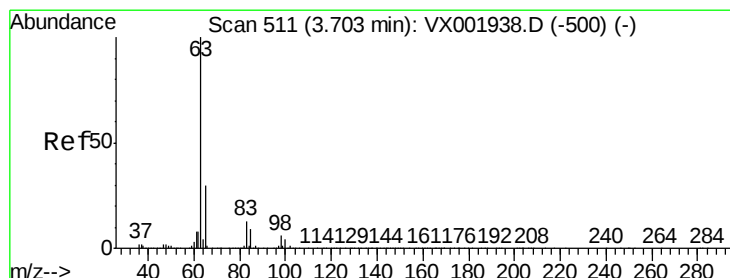
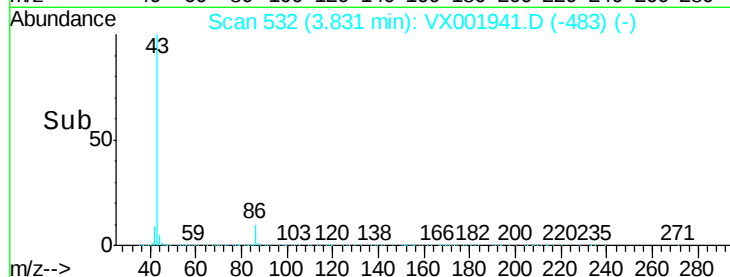
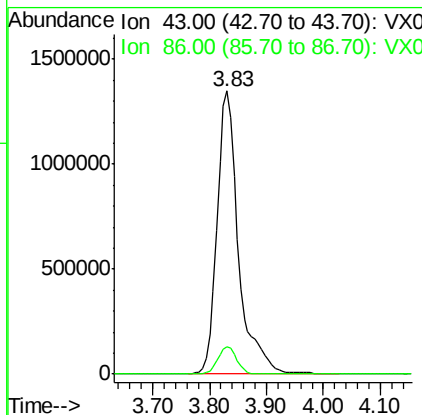
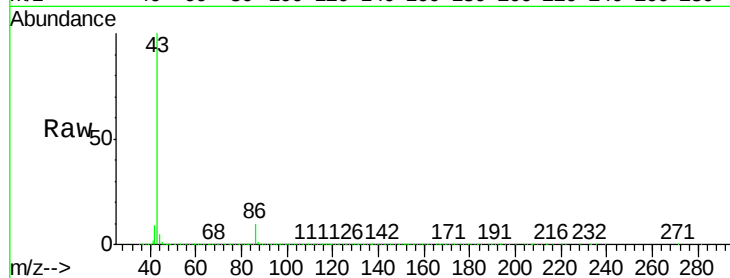
86 9.8 7.6 11.4

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 47.41 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.01 min

Lab File: VX001941.D

Acq: 24 May 2018 13:29

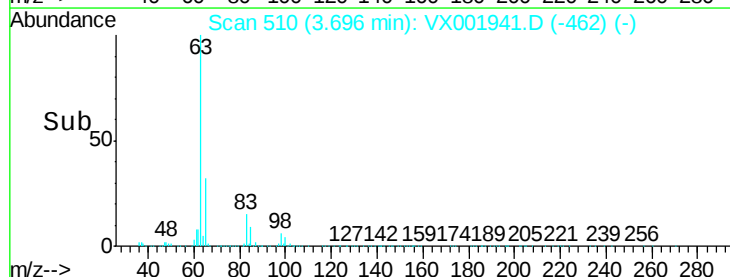
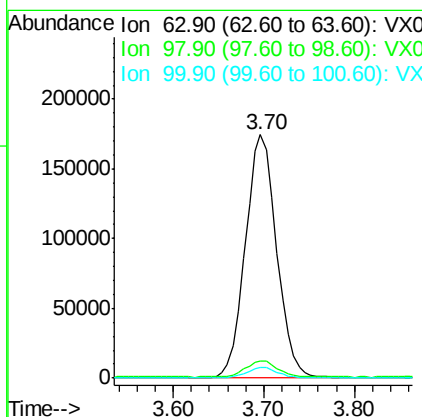
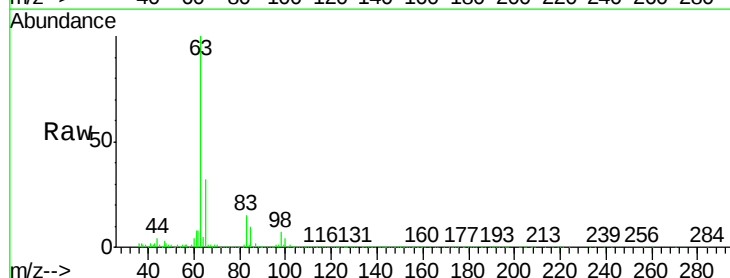
Tgt Ion: 63 Resp: 414980

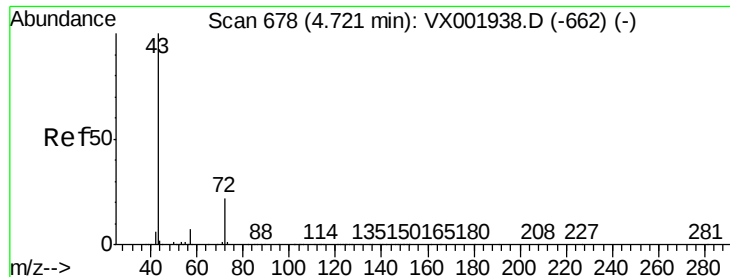
Ion Ratio Lower Upper

63 100

98 6.5 3.3 9.8

100 4.3 2.1 6.5





#25

2-Butanone

Concen: 236.49 ug/l

RT: 4.72 min Scan# 678

Delta R.T. -0.00 min

Lab File: VX001941.D

Acq: 24 May 2018 13:29

Tot Ion: 43 Resp: 1107183

Ion Ratio Lower Upper

43 100

72 22.8 17.9 26.9

Instrument :

MSVOA_X

ClientSampleId :

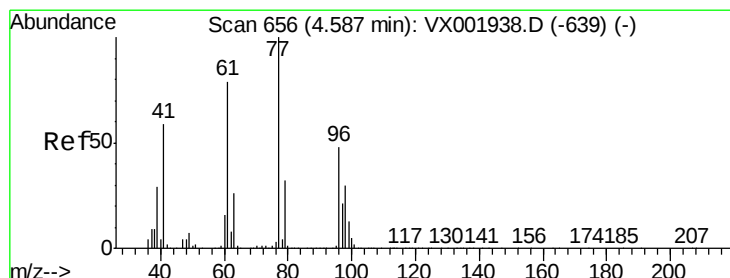
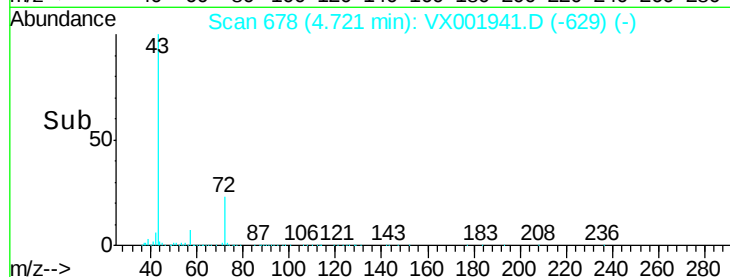
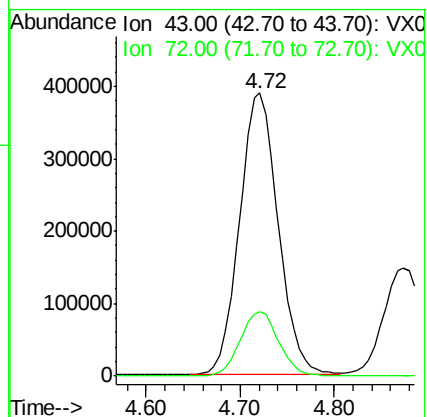
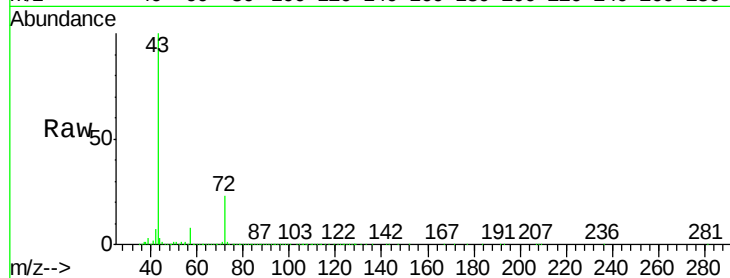
ICVVX052418

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 49.32 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX001941.D

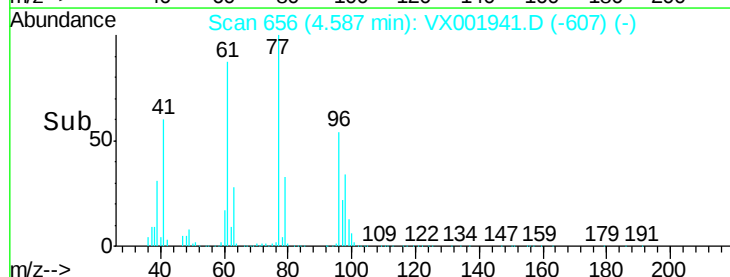
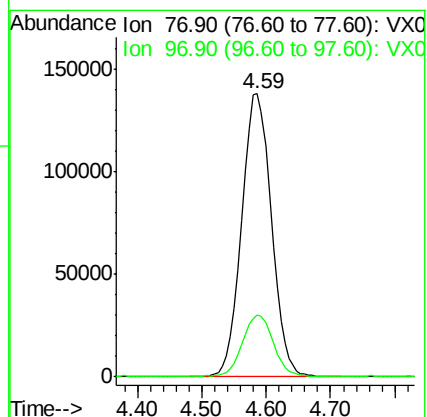
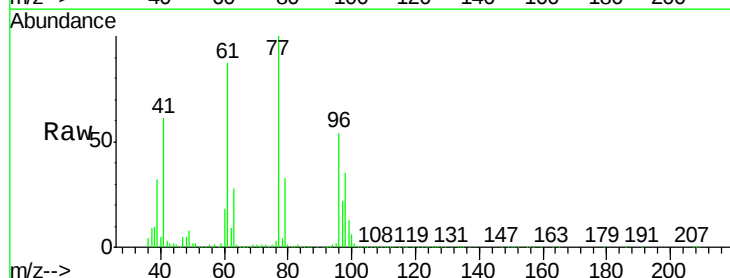
Acq: 24 May 2018 13:29

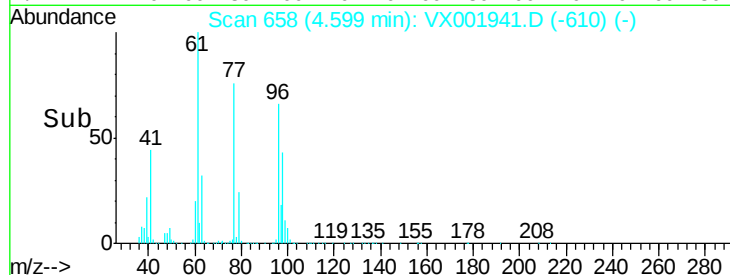
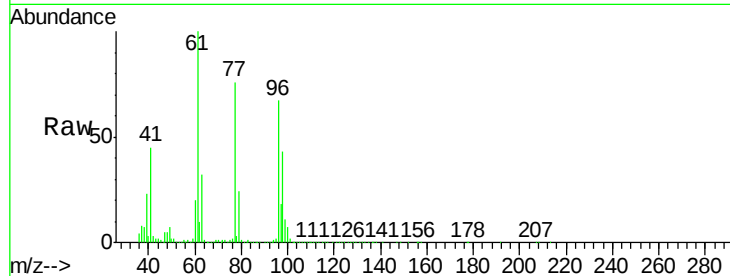
Tgt Ion: 77 Resp: 437016

Ion Ratio Lower Upper

77 100

97 22.2 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 47.84 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.01 min

Lab File: VX001941.D

Acq: 24 May 2018 13:29

Tot Ion	Ratio	Resp	Lower	Upper
96	100	269252		
61	166.4	0.0	348.4	
98	65.2	0.0	128.6	

Instrument :

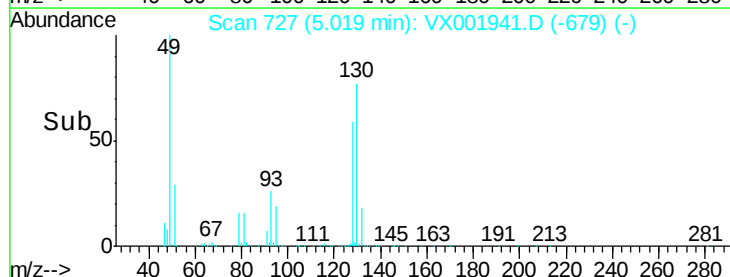
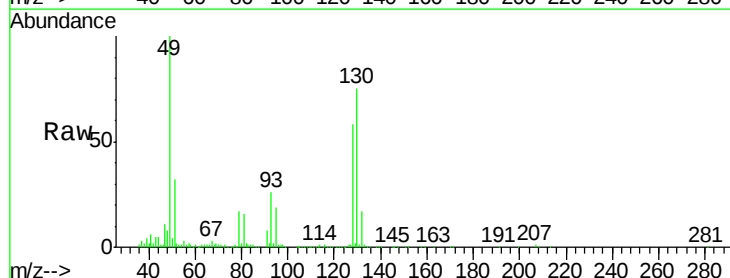
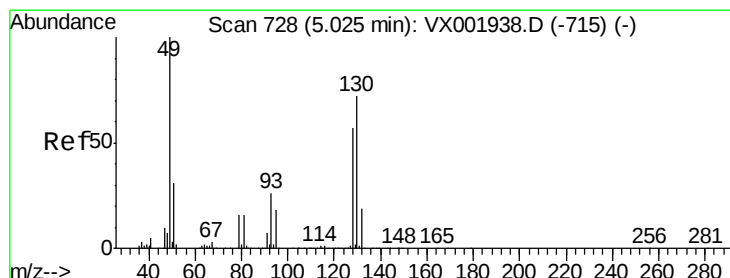
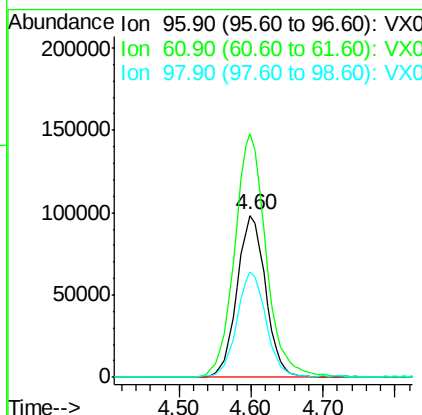
MSVOA_X

ClientSampleId :

ICVVX052418

Manual Integrations
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5/25/2018 2:25:53 PM



#28

Bromochloromethane

Concen: 47.97 ug/l

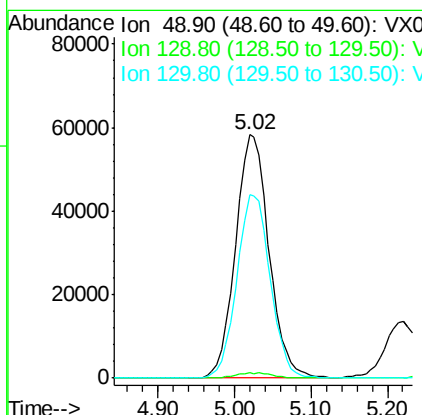
RT: 5.02 min Scan# 727

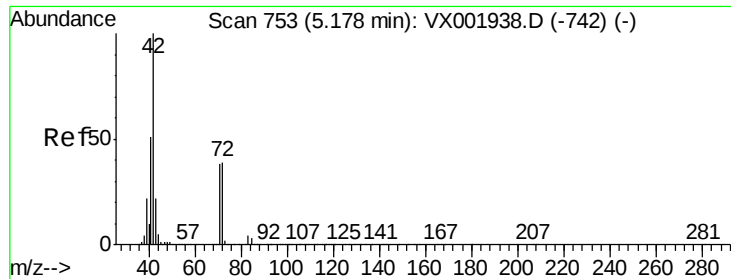
Delta R.T. -0.01 min

Lab File: VX001941.D

Acq: 24 May 2018 13:29

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	176752		
129	2.2	0.0	3.8	
130	75.2	59.4	89.2	





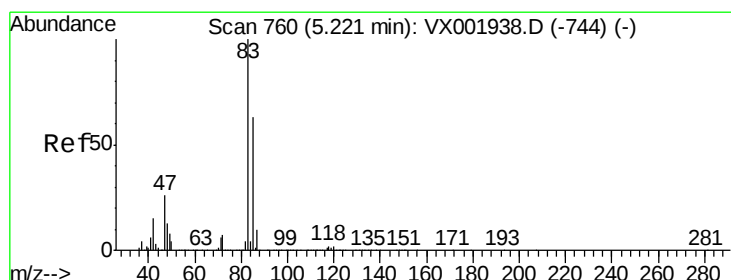
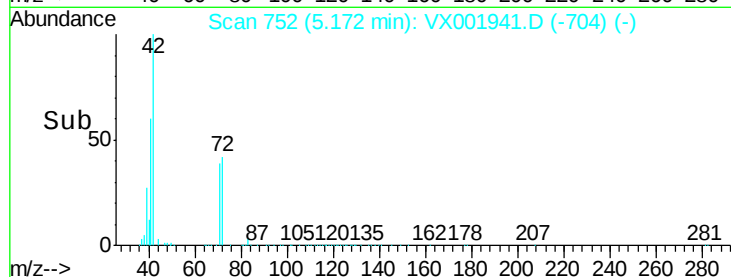
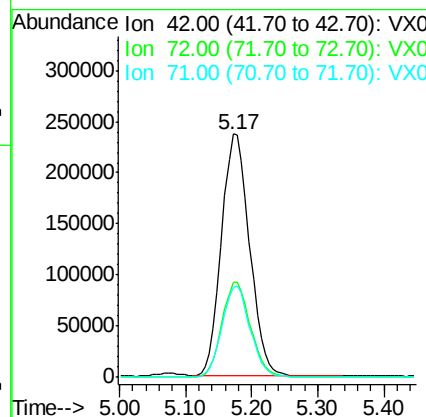
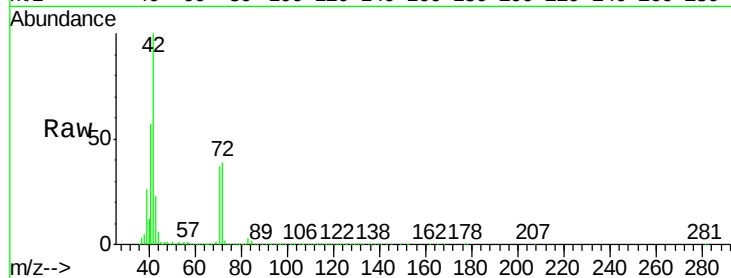
#29
Tetrahydrofuran
Concen: 230.40 ug/l
RT: 5.17 min Scan# 752
Delta R.T. -0.01 min
Lab File: VX001941.D
Acq: 24 May 2018 13:29

Instrument :
MSVOA_X
ClientSampleId :
ICVX052418

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.8	31.4	47.0
71	37.2	29.5	44.3

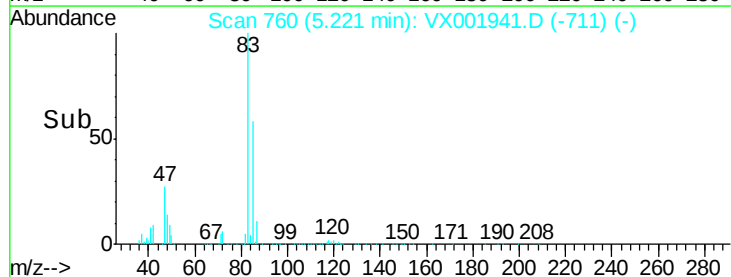
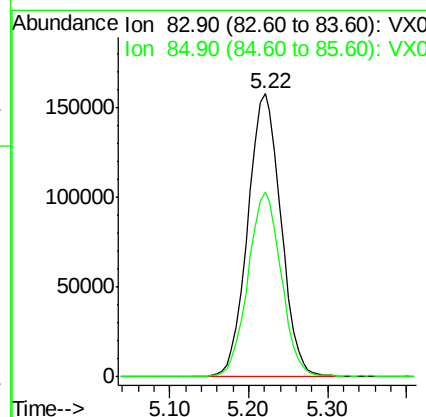
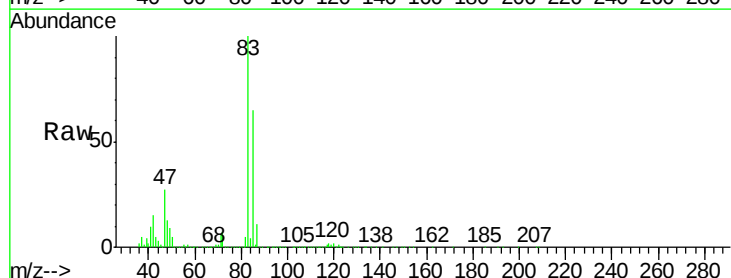
Manual Integrations
APPROVED

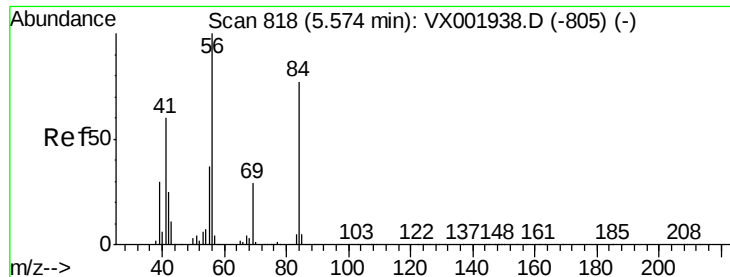
MMDadoda
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#30
Chloroform
Concen: 46.44 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX001941.D
Acq: 24 May 2018 13:29

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	50.9	76.3





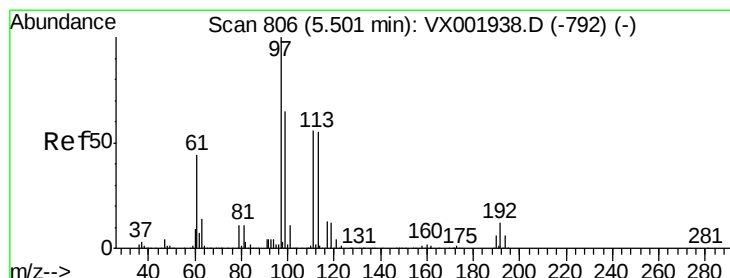
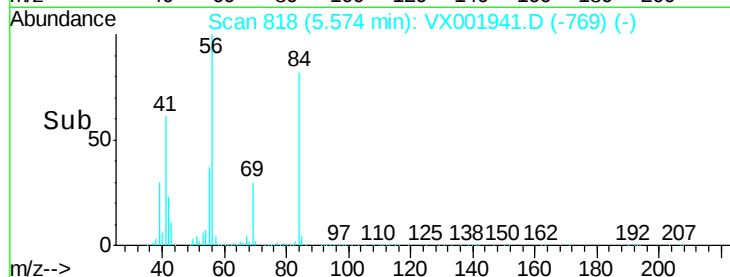
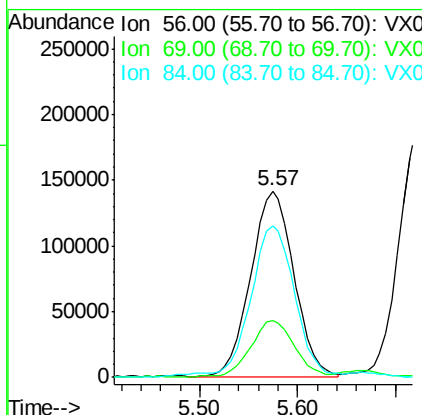
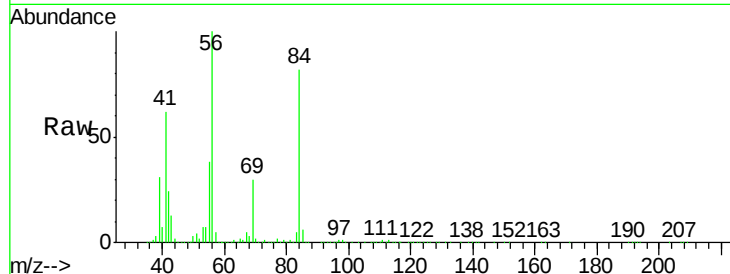
#31
Cyclohexane
Concen: 47.40 ug/l
RT: 5.57 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX001941.D
Acq: 24 May 2018 13:29

Instrument :
MSVOA_X
ClientSampleId :
ICVVX052418

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.1	23.1	34.7
84	80.5	62.0	93.0

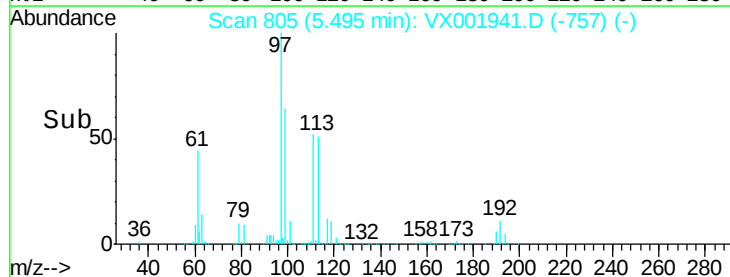
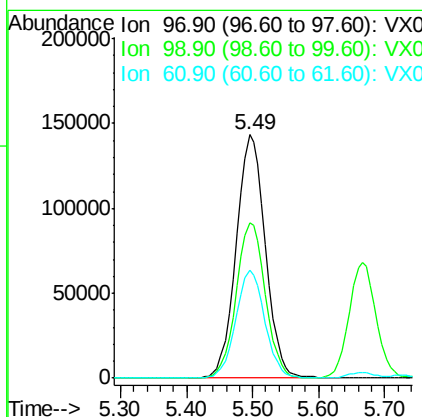
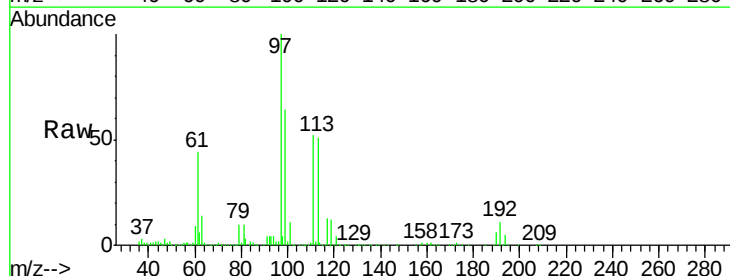
Manual Integrations
APPROVED

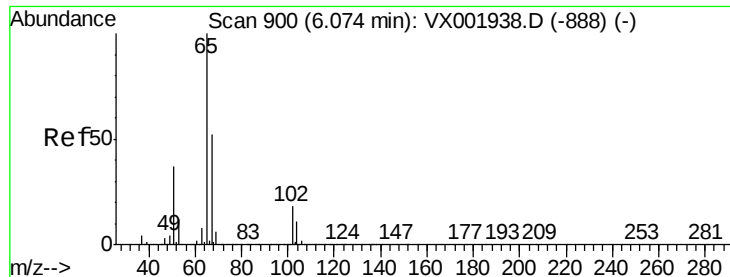
MMDadoda
5/25/2018 2:25:53 PM



#32
1,1,1-Trichloroethane
Concen: 47.26 ug/l
RT: 5.49 min Scan# 805
Delta R.T. -0.01 min
Lab File: VX001941.D
Acq: 24 May 2018 13:29

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.9	77.9
61	44.4	35.9	53.9





#33

1,2-Dichloroethane-d4

Concen: 49.75 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX001941.D

Acq: 24 May 2018 13:29

Instrument :

MSVOA_X

ClientSampleId :

ICVVX052418

Tot Ion: 65 Resp: 329306

Ion Ratio Lower Upper

65 100

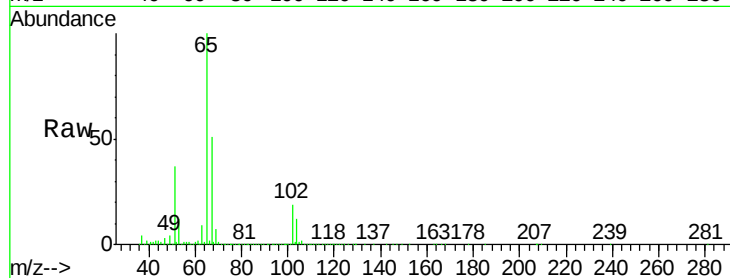
67 52.1 0.0 104.0

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

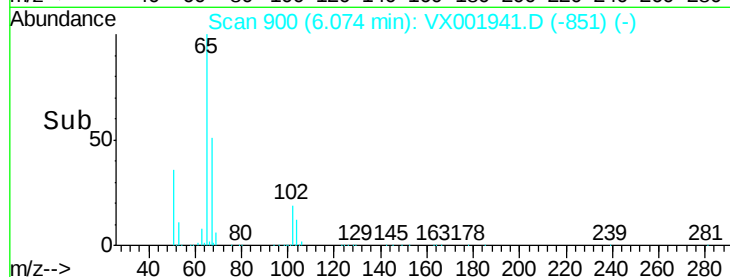
150000

100000

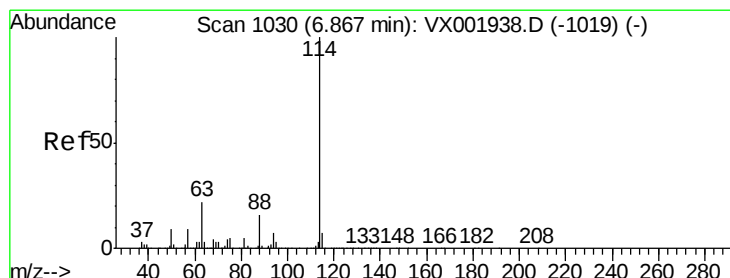
50000

0

Time-->



Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX001941.D

Acq: 24 May 2018 13:29

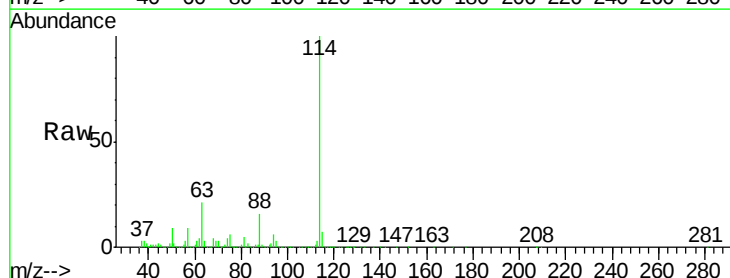
Tgt Ion: 114 Resp: 493995

Ion Ratio Lower Upper

114 100

63 21.0 0.0 43.2

88 16.0 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

250000

200000

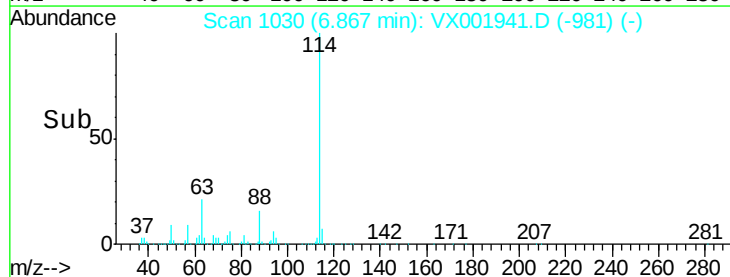
150000

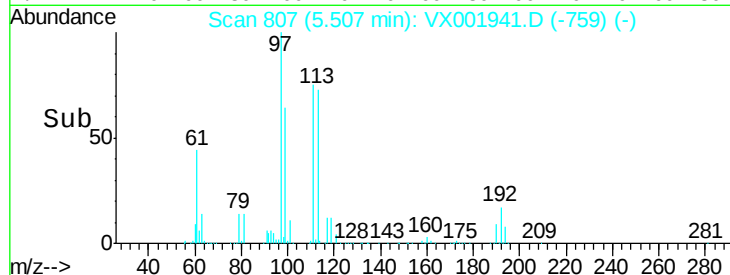
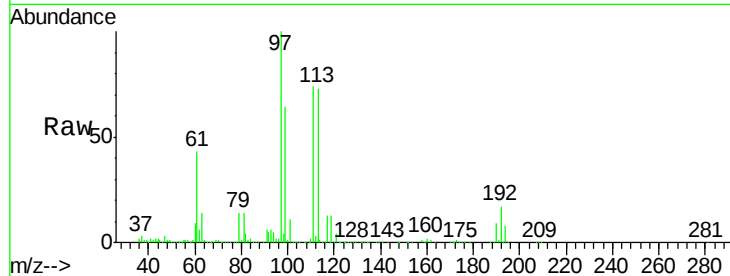
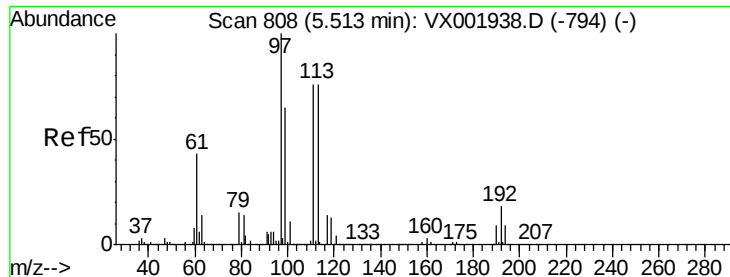
100000

50000

0

Time-->





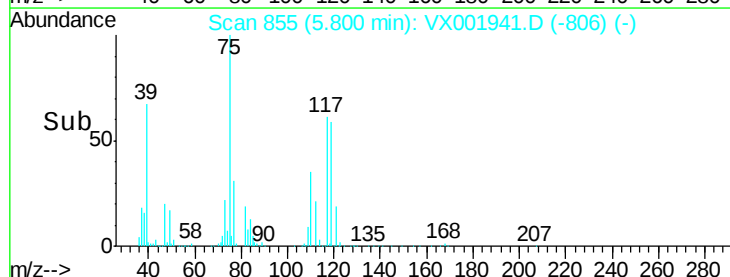
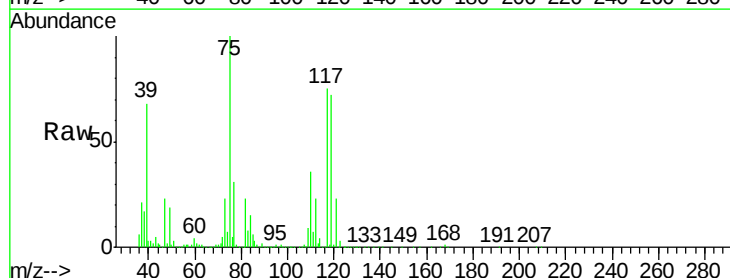
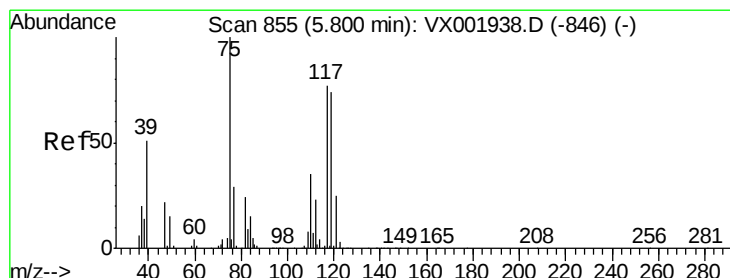
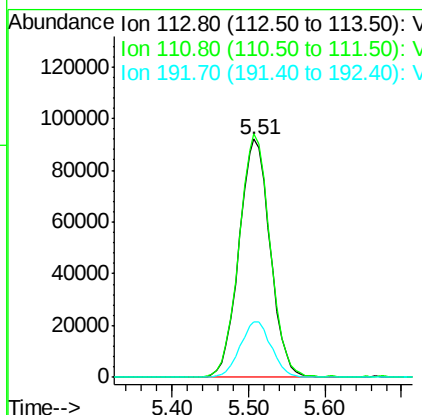
#35
Dibromofluoromethane
Concen: 52.58 ug/l
RT: 5.51 min Scan# 807
Delta R.T. -0.01 min
Lab File: VX001941.D
Acq: 24 May 2018 13:29

Tot Ion	Ratio	Resp	Lower	Upper
113	100	259739		
111	101.2	82.0	123.0	
192	23.6	18.9	28.3	

Instrument :
MSVOA_X
ClientSampleId :
ICVVX052418

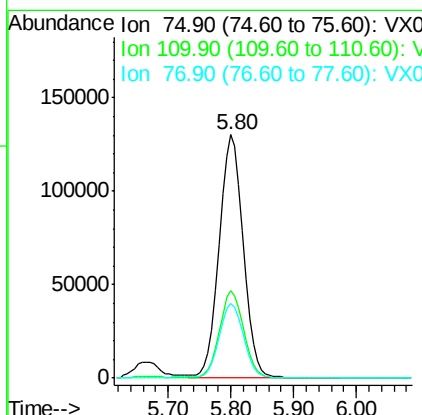
Manual Integrations
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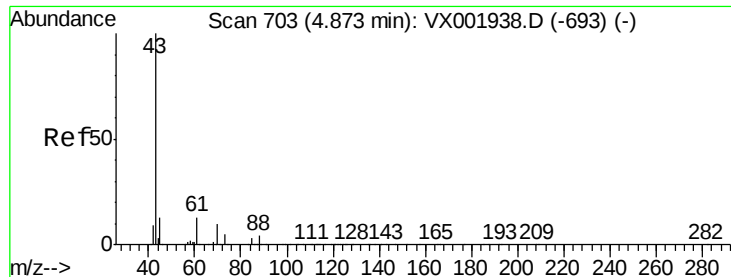
MMDadoda
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#36
1,1-Dichloropropene
Concen: 50.58 ug/l
RT: 5.80 min Scan# 855
Delta R.T. -0.00 min
Lab File: VX001941.D
Acq: 24 May 2018 13:29

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	347581		
110	35.6	17.4	52.2	
77	30.5	24.4	36.6	





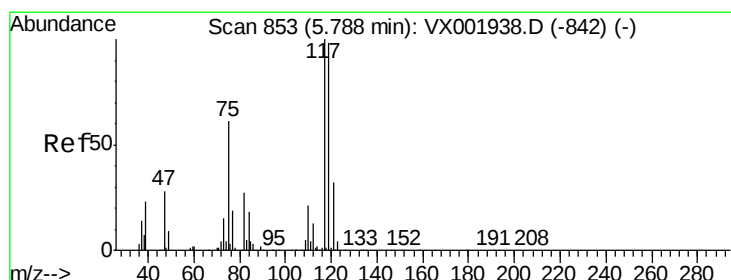
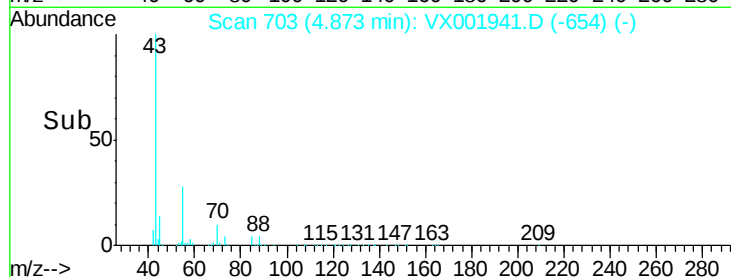
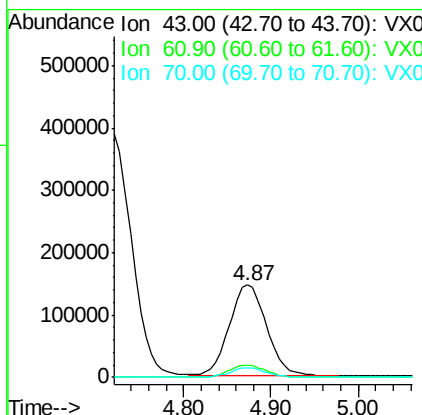
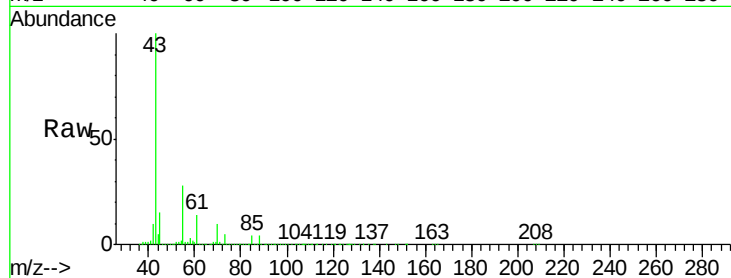
#37
Ethyl Acetate
Concen: 48.14 ug/l
RT: 4.87 min Scan# 703
Delta R.T. -0.00 min
Lab File: VX001941.D
Acq: 24 May 2018 13:29

Instrument :
MSVOA_X
ClientSampleId :
ICVVX052418

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.2	15.2
70	9.7	7.8	11.8

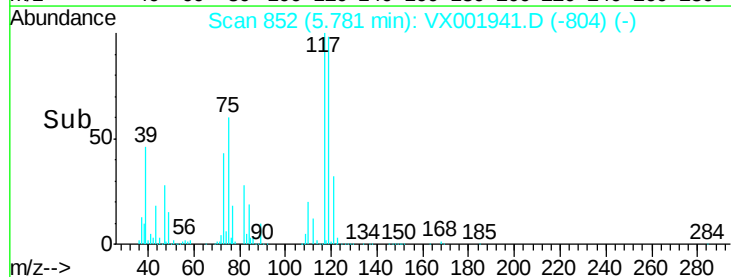
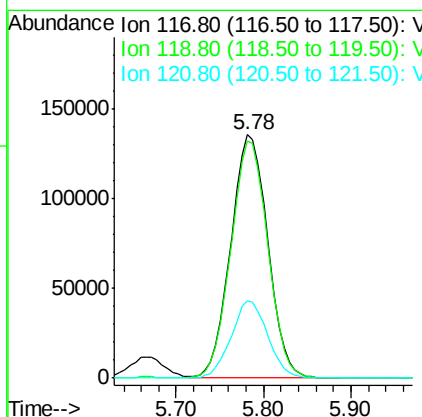
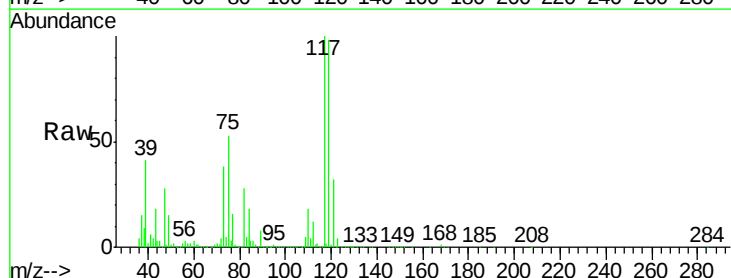
Manual Integrations
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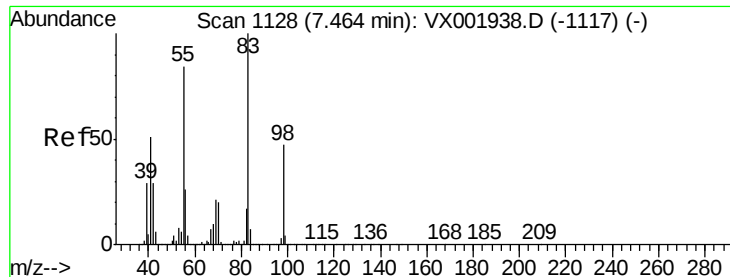
MMDadoda
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#38
Carbon Tetrachloride
Concen: 49.69 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.01 min
Lab File: VX001941.D
Acq: 24 May 2018 13:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.6	78.5	117.7
121	31.7	25.5	38.3





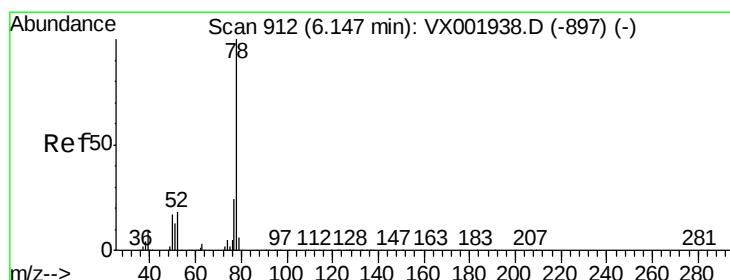
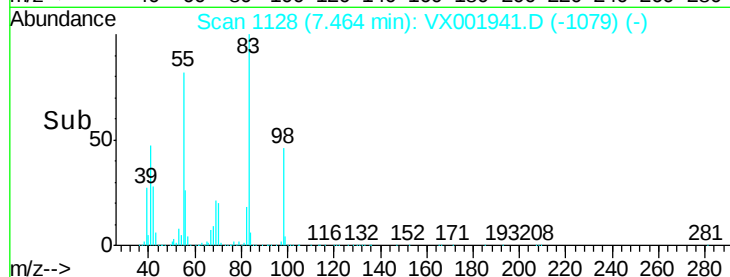
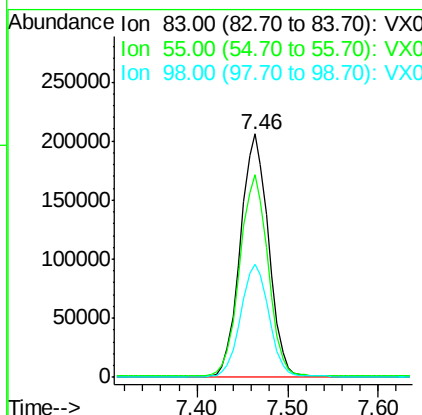
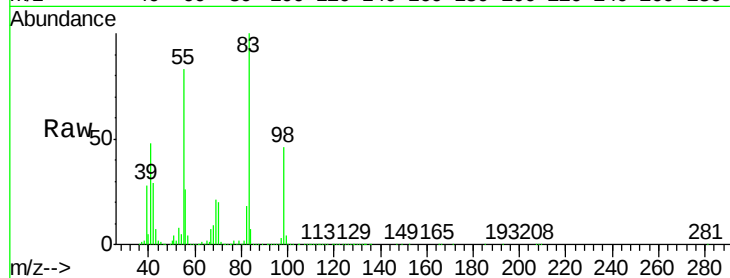
#39
Methvlcvclohexane
Concen: 52.43 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX001941.D
Acq: 24 May 2018 13:29

Instrument :
MSVOA_X
ClientSampleId :
ICVVX052418

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.4	67.3	100.9
98	46.2	37.5	56.3

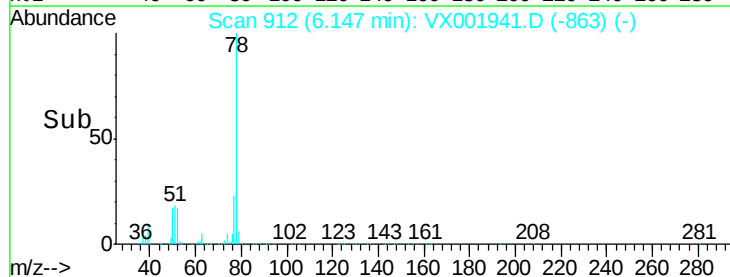
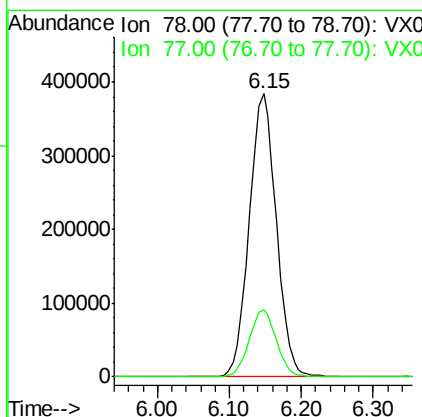
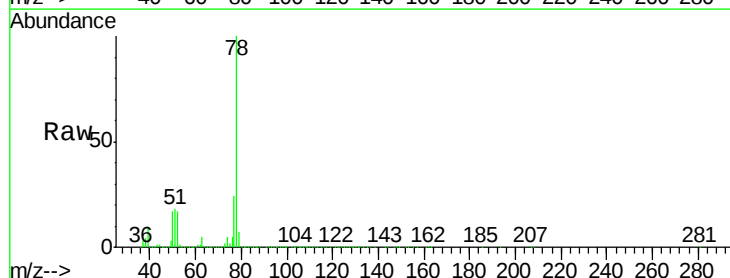
Manual Integrations
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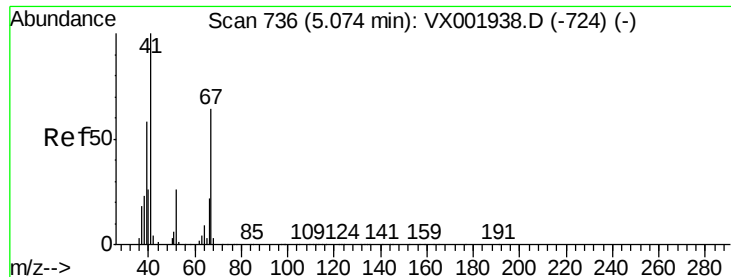
MMDadoda
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#40
Benzene
Concen: 49.85 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX001941.D
Acq: 24 May 2018 13:29

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.1	28.7





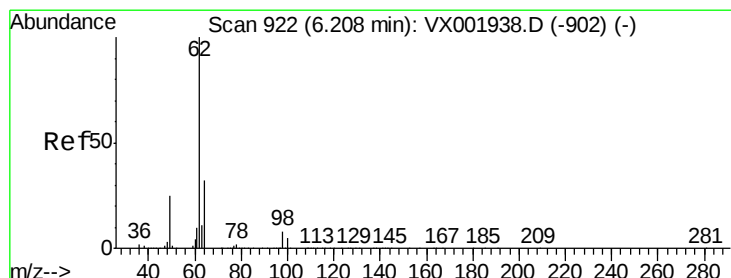
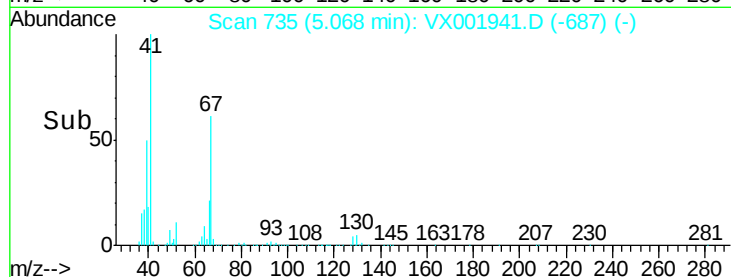
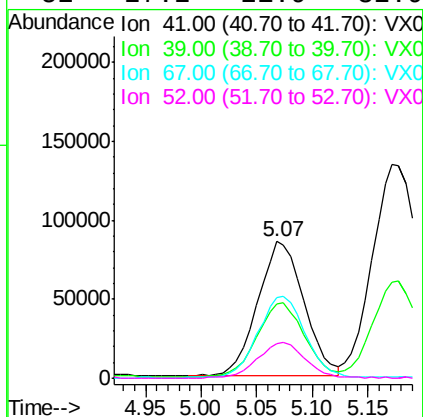
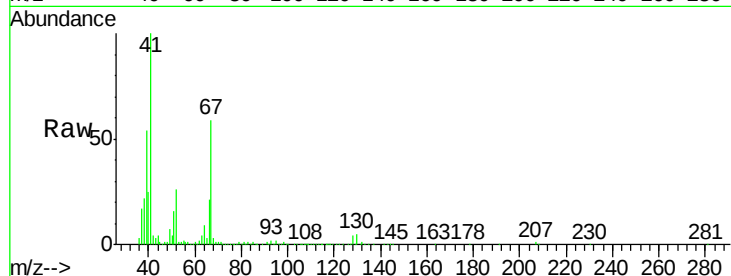
#41
Methacrylonitrile
Concen: 51.81 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.01 min
Lab File: VX001941.D
Acq: 24 May 2018 13:29

Instrument :
MSVOA_X
ClientSampleId :
ICVVX052418

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	56.1	46.0	69.0		
67	62.8	50.6	75.8		
52	27.2	21.9	32.9		

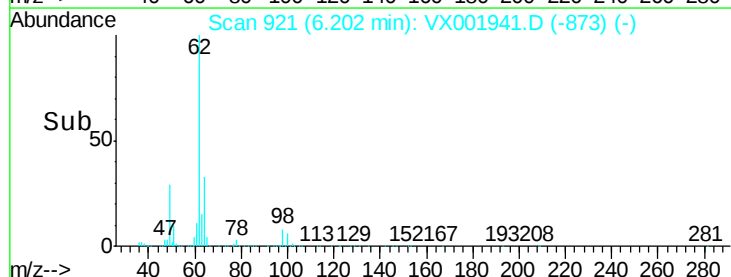
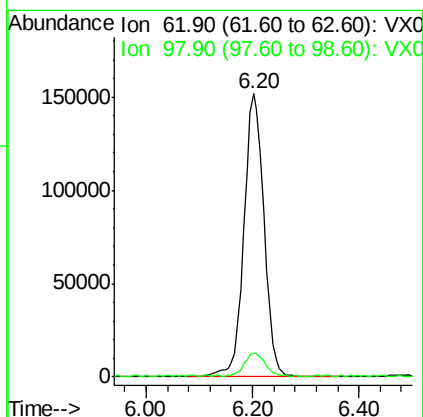
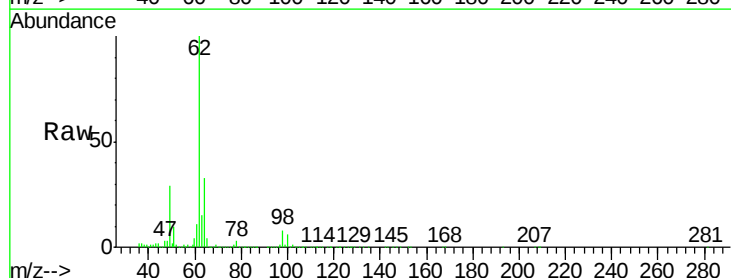
Manual Integrations
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#42
1,2-Dichloroethane
Concen: 48.70 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.01 min
Lab File: VX001941.D
Acq: 24 May 2018 13:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	8.1	0.0	17.0		





#43

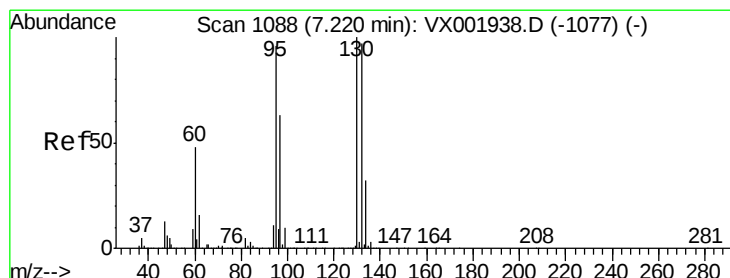
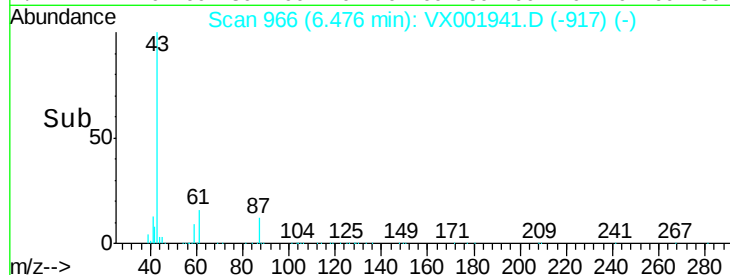
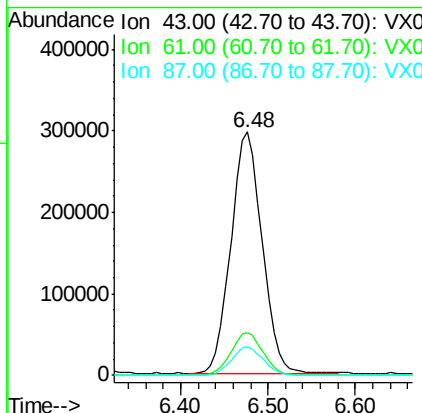
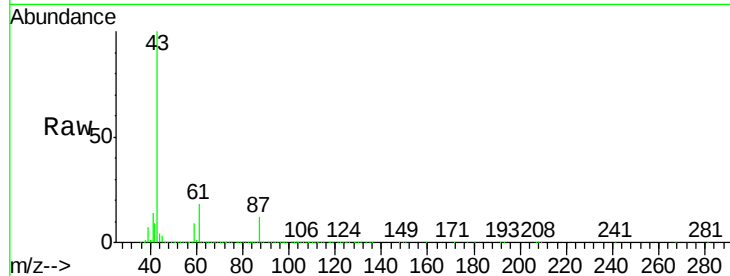
Isopropyl Acetate
 Concen: 49.20 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. -0.00 min
 Lab File: VX001941.D
 Acq: 24 May 2018 13:29

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX052418

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.1	14.5	21.7
87	11.8	9.5	14.3

Manual Integrations
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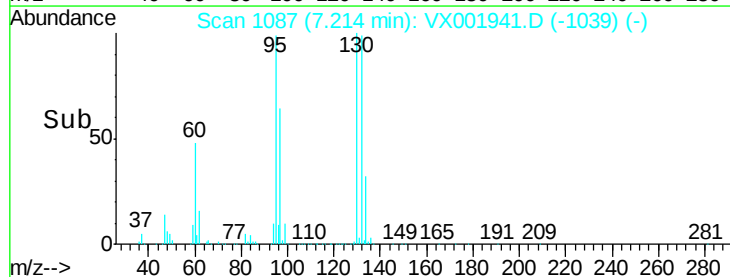
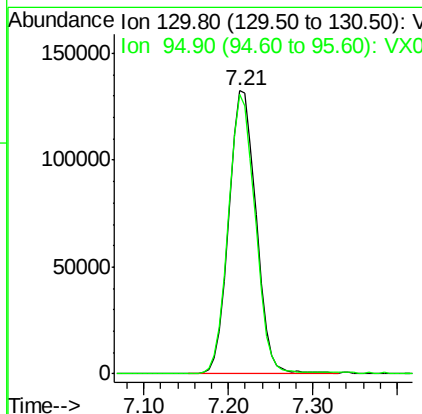
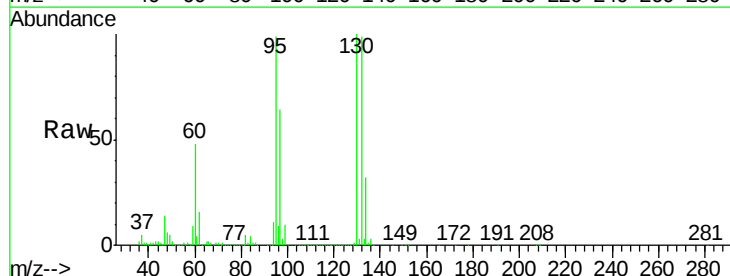
MMDadoda
 5/25/2018 2:25:53 PM



#44

Trichloroethene
 Concen: 49.80 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.01 min
 Lab File: VX001941.D
 Acq: 24 May 2018 13:29

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.6	0.0	192.0





#45

1,2-Dichloropropane

Concen: 48.79 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VX001941.D

Acq: 24 May 2018 13:29

Instrument :

MSVOA_X

ClientSampleId :

ICVVX052418

Tot Ion: 63 Resp: 266747

Ion Ratio Lower Upper

63 100

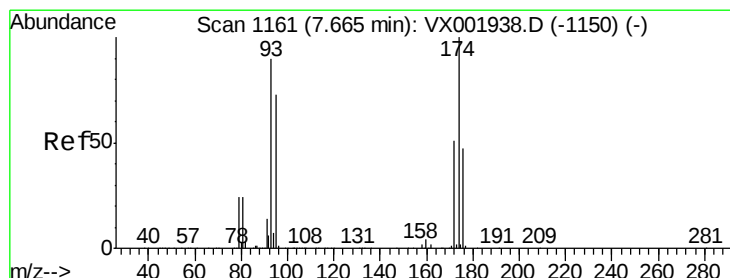
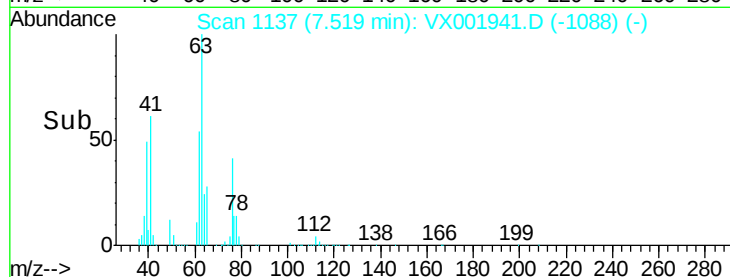
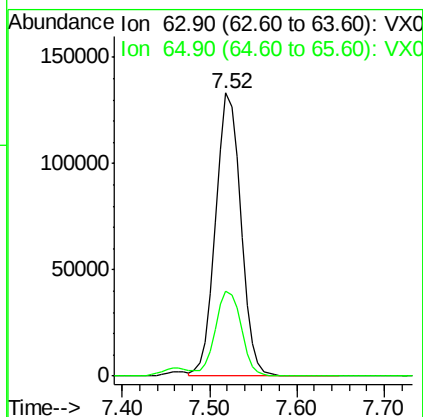
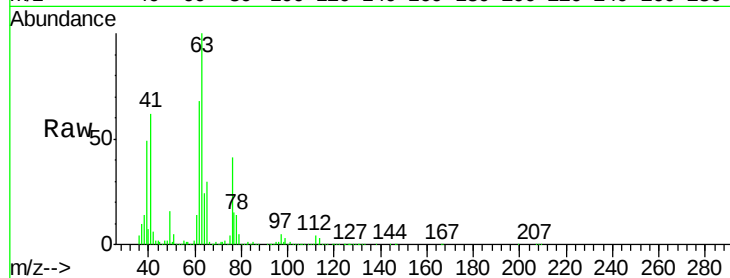
65 29.9 24.1 36.1

Manual Integrations

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MMDadoda

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#46

Dibromomethane

Concen: 49.52 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VX001941.D

Acq: 24 May 2018 13:29

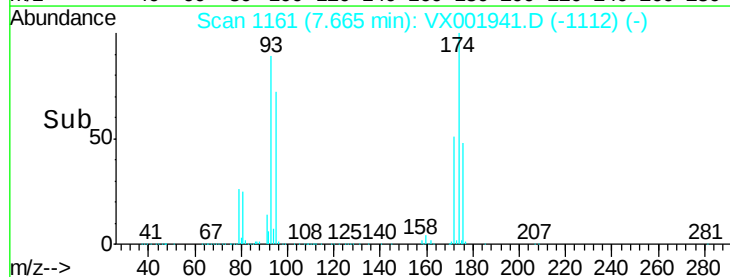
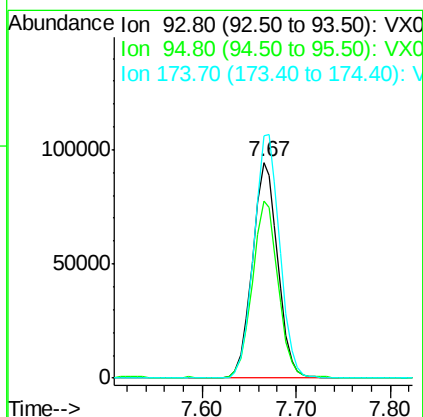
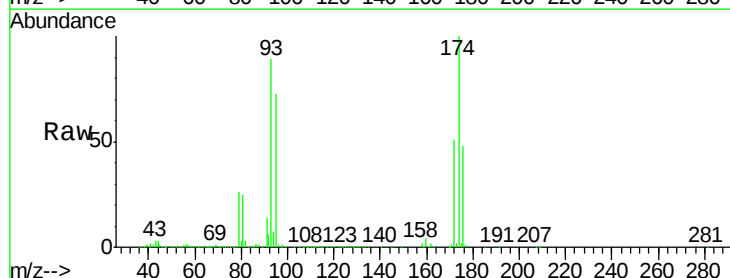
Tgt Ion: 93 Resp: 179224

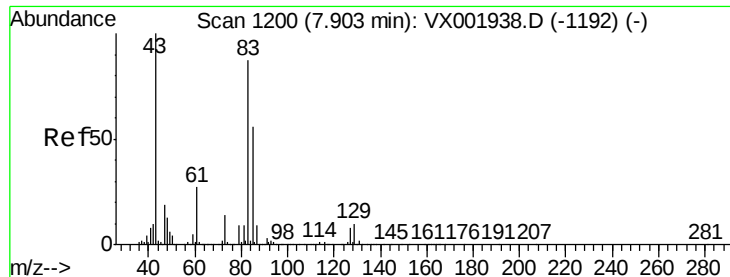
Ion Ratio Lower Upper

93 100

95 82.5 66.1 99.1

174 115.3 92.5 138.7





#47

Bromodichloromethane

Concen: 49.22 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX001941.D

Acq: 24 May 2018 13:29

Instrument :

MSVOA_X

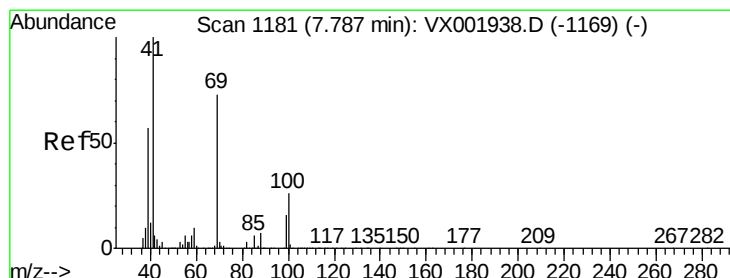
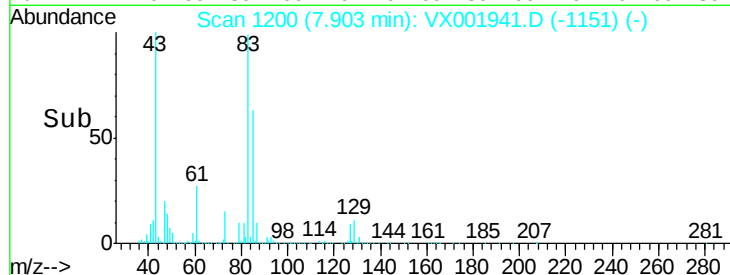
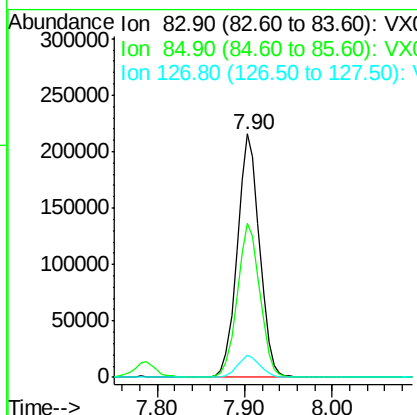
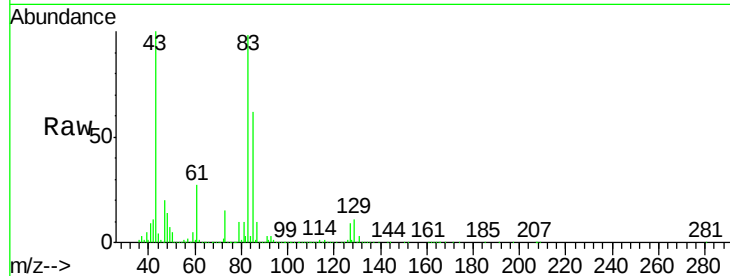
ClientSampleId :

ICVVX052418

Tot Ion:	83	Resp:	379877
Ion	Ratio	Lower	Upper
83	100		
85	63.0	51.4	77.2
127	9.1	7.1	10.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 49.19 ug/l

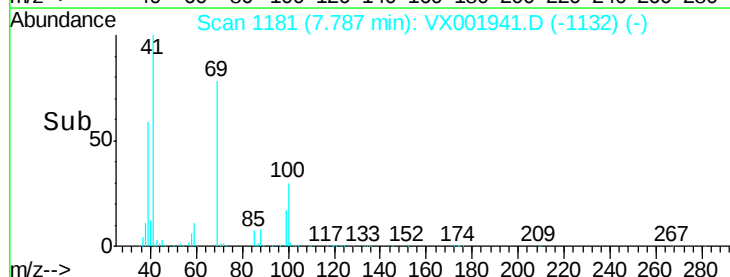
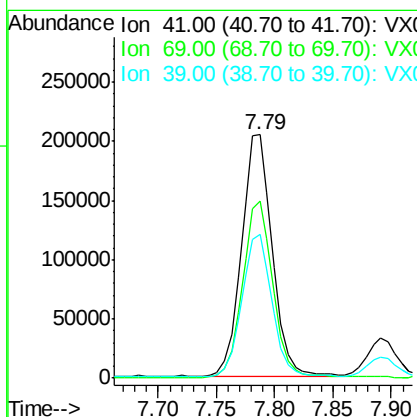
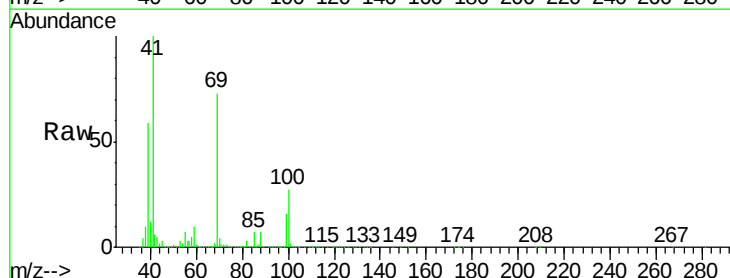
RT: 7.79 min Scan# 1181

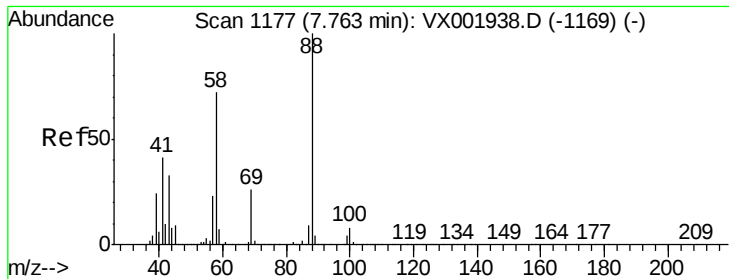
Delta R.T. -0.00 min

Lab File: VX001941.D

Acq: 24 May 2018 13:29

Tgt Ion:	41	Resp:	373703
Ion	Ratio	Lower	Upper
41	100		
69	71.7	58.6	87.8
39	58.1	46.3	69.5





#49

1,4-Dioxane

Concen: 984.08 ug/l

RT: 7.76 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VX001941.D

Acq: 24 May 2018 13:29

Instrument :

MSVOA_X

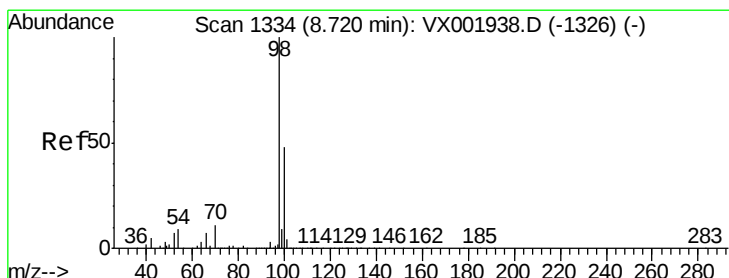
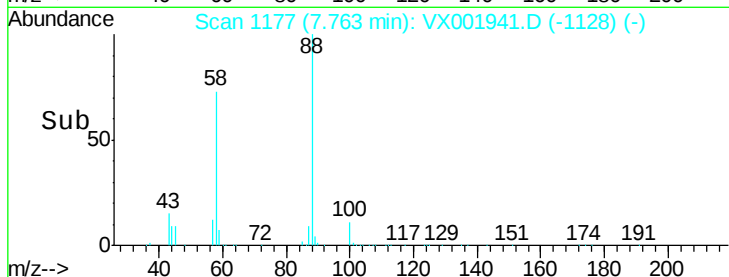
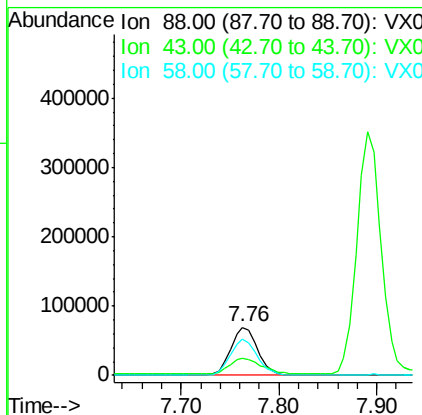
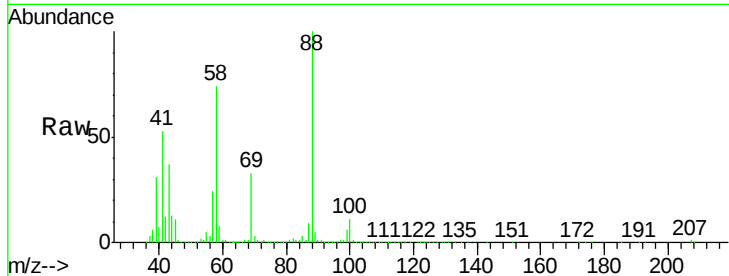
ClientSampleId :

ICVX052418

Tot Ion:	88	Resp:	131739
Ion	Ratio	Lower	Upper
88	100		
43	38.8	29.8	44.8
58	74.5	58.7	88.1

Manual Integrations
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#50

Toluene-d8

Concen: 53.49 ug/l

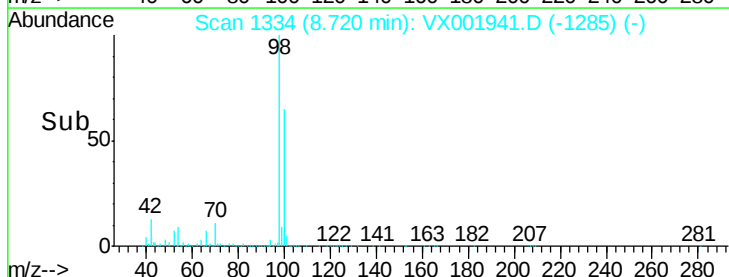
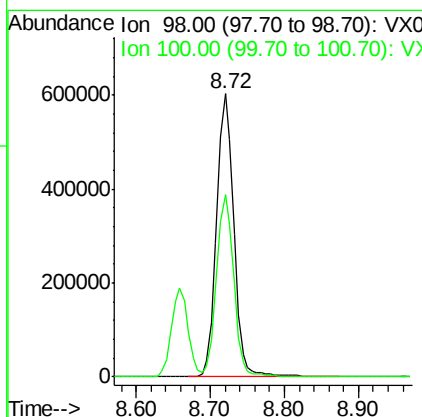
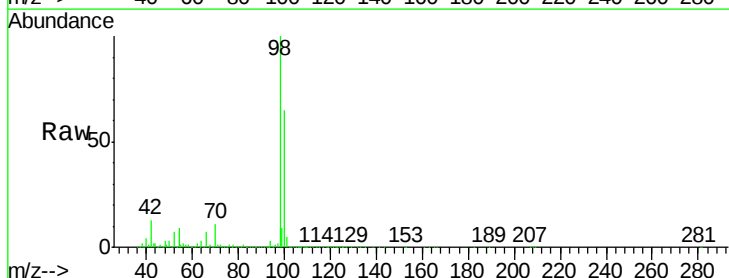
RT: 8.72 min Scan# 1334

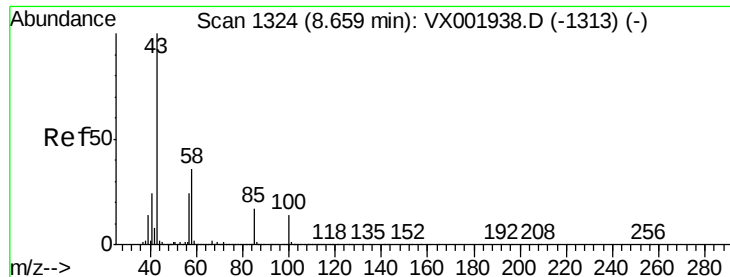
Delta R.T. 0.00 min

Lab File: VX001941.D

Acq: 24 May 2018 13:29

Tgt Ion:	98	Resp:	956702
Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 244.12 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VX001941.D

Acq: 24 May 2018 13:29

Instrument :

MSVOA_X

ClientSampleId :

ICVVX052418

Tot Ion: 43 Resp: 2196546

Ion Ratio Lower Upper

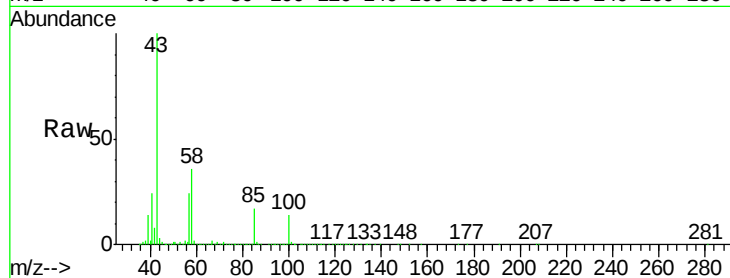
43 100

58 35.7 28.5 42.7

Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

1500000

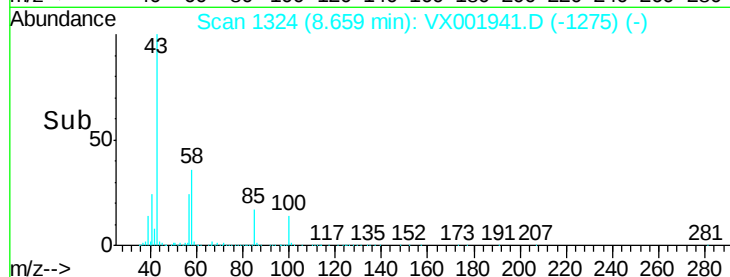
1000000

500000

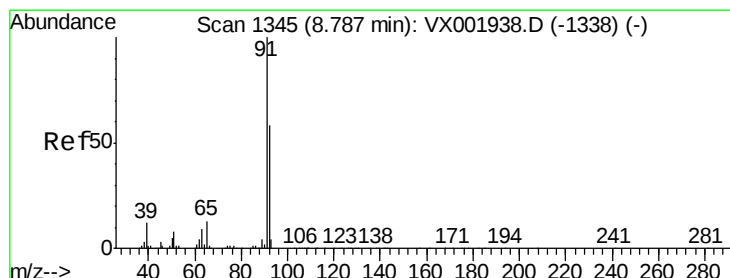
0

8.66

8.60 8.70 8.80



Time-->



#52

Toluene

Concen: 49.95 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX001941.D

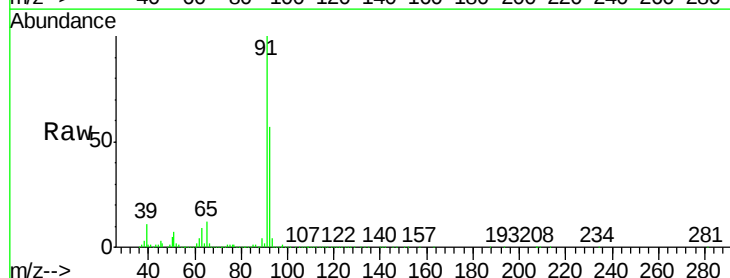
Acq: 24 May 2018 13:29

Tgt Ion: 92 Resp: 639950

Ion Ratio Lower Upper

92 100

91 174.9 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

800000

600000

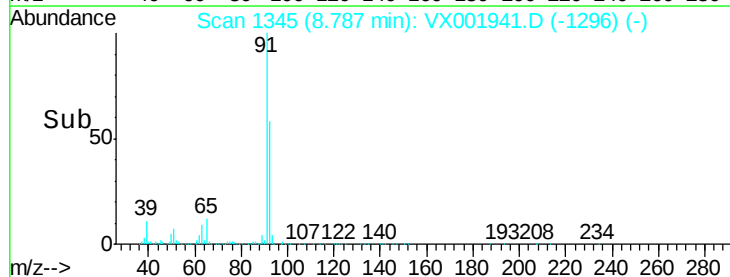
400000

200000

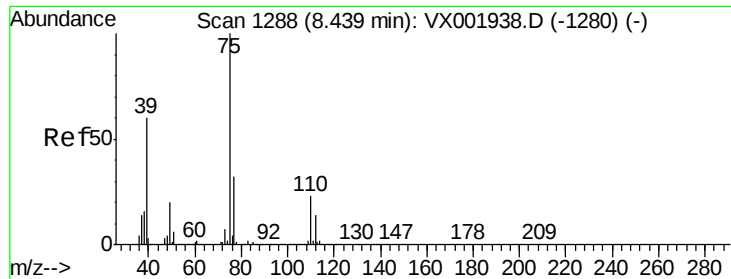
0

8.79

8.70 8.80 8.90



Time-->



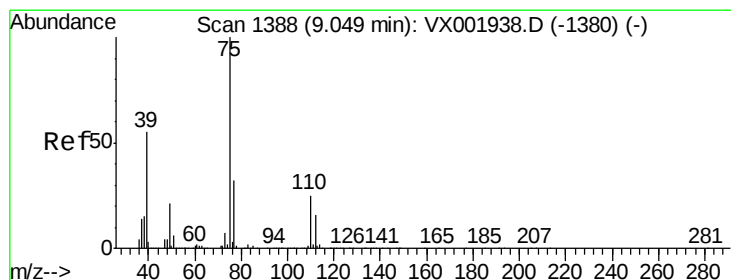
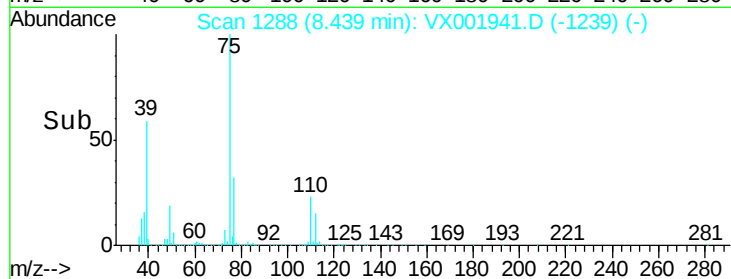
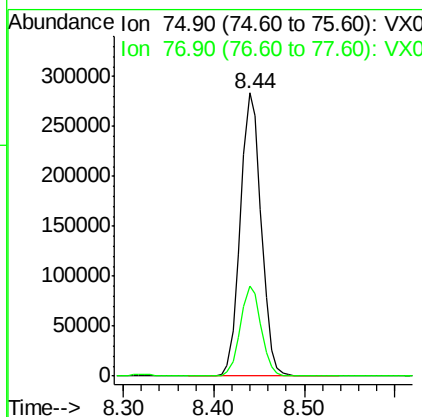
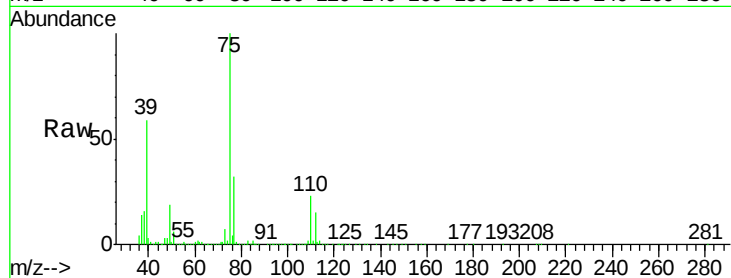
#53
t-1,3-Dichloropropene
Concen: 50.91 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VX001941.D
Acq: 24 May 2018 13:29

Instrument :
MSVOA_X
ClientSampleId :
ICVVX052418

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.5	38.3

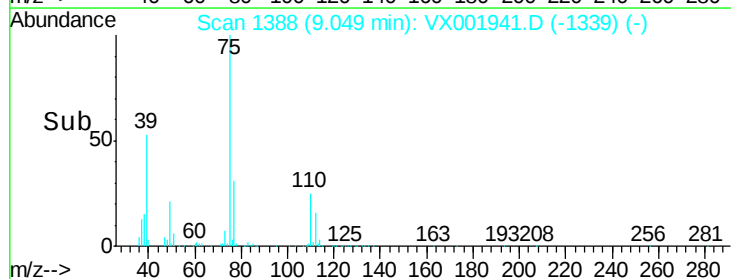
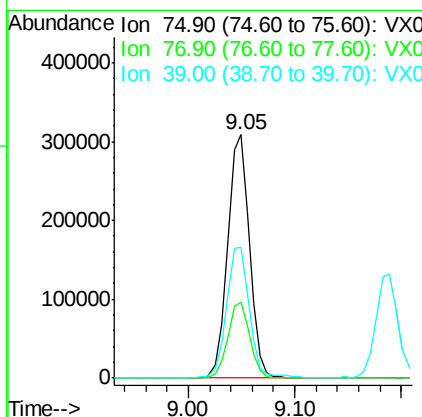
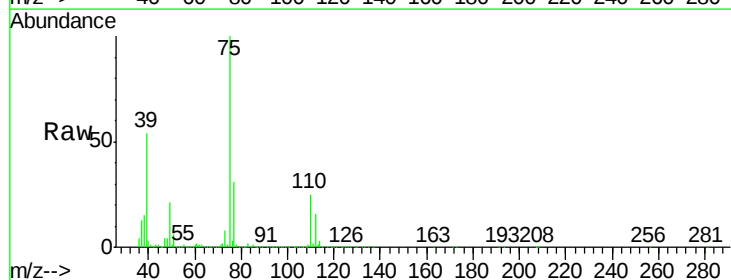
Manual Integrations
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#54
cis-1,3-Dichloropropene
Concen: 51.23 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. -0.00 min
Lab File: VX001941.D
Acq: 24 May 2018 13:29

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.4	38.0
39	53.4	44.1	66.1





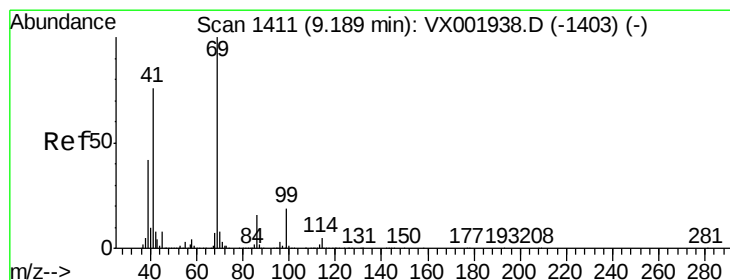
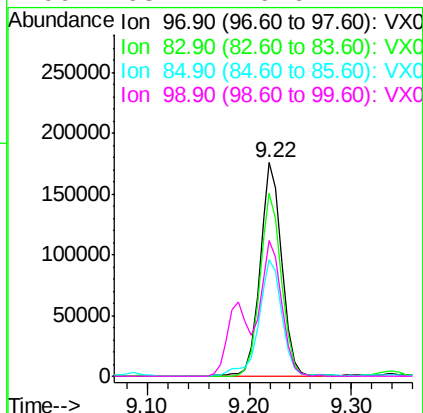
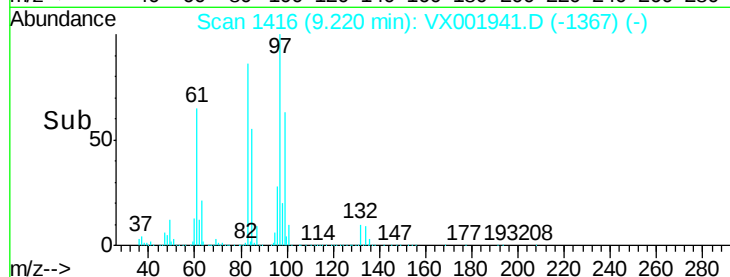
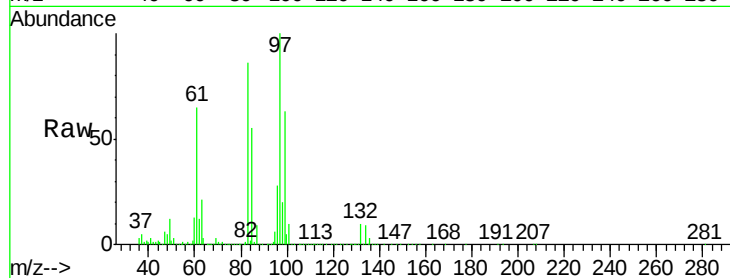
#55
 1,1,2-Trichloroethane
 Concen: 48.41 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX001941.D
 Acq: 24 May 2018 13:29

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX052418

Tot Ion:	97	Resp:	259111
Ion	Ratio	Lower	Upper
97	100		
83	85.9	69.1	103.7
85	54.6	45.2	67.8
99	63.4	49.6	74.4

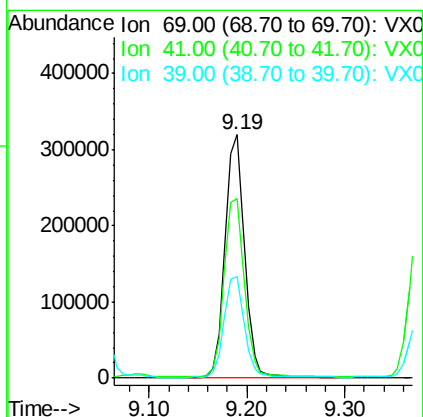
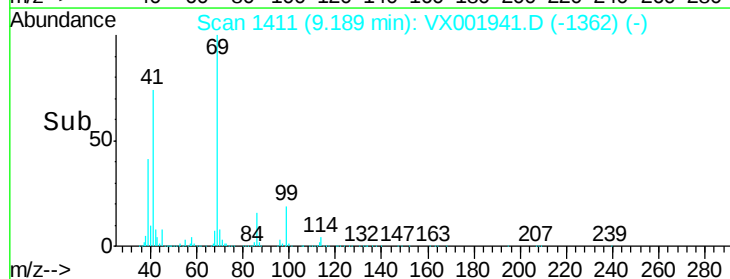
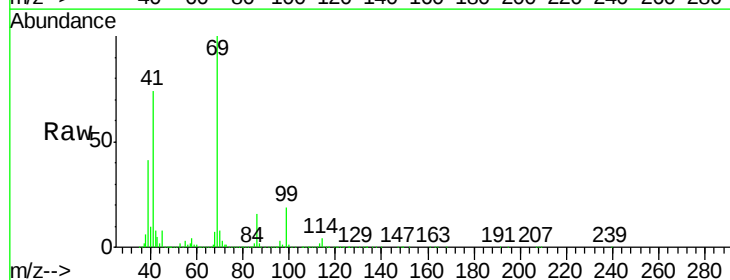
Manual Integrations
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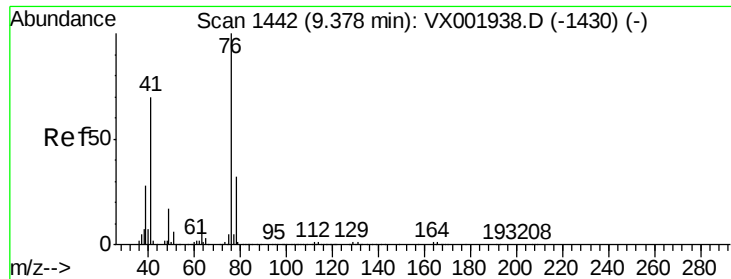
MMDadoda
 5/25/2018 2:25:53 PM



#56
 Ethyl methacrylate
 Concen: 48.23 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. -0.00 min
 Lab File: VX001941.D
 Acq: 24 May 2018 13:29

Tgt Ion:	69	Resp:	444001
Ion	Ratio	Lower	Upper
69	100		
41	76.8	61.0	91.6
39	43.0	34.4	51.6





#57

1,3-Dichloropropane

Concen: 49.32 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX001941.D

Acq: 24 May 2018 13:29

Instrument :

MSVOA_X

ClientSampleId :

ICVVX052418

Tot Ion: 76 Resp: 434859

Ion Ratio Lower Upper

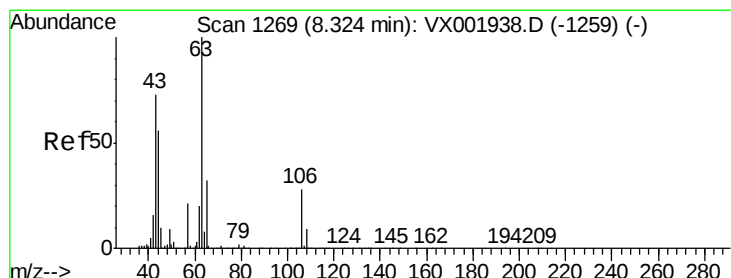
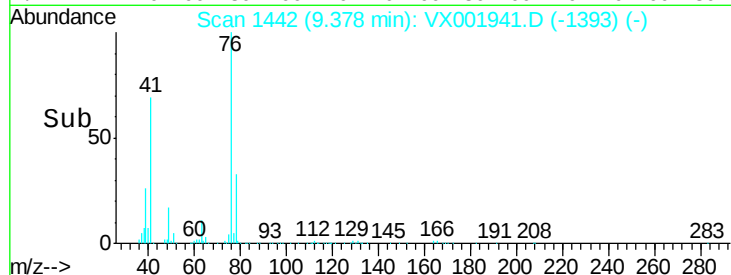
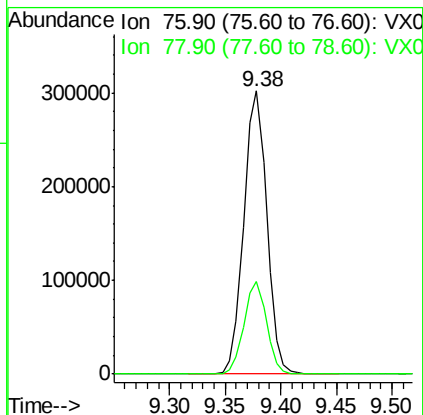
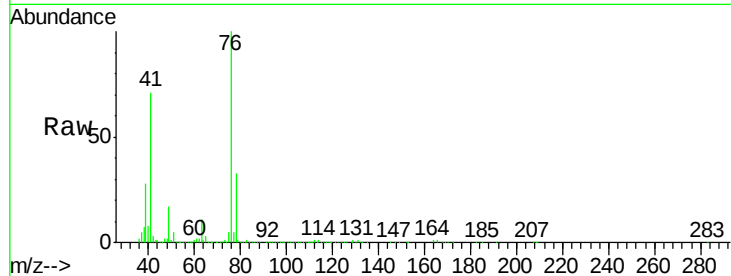
76 100

78 32.2 25.6 38.4

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 305.81 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VX001941.D

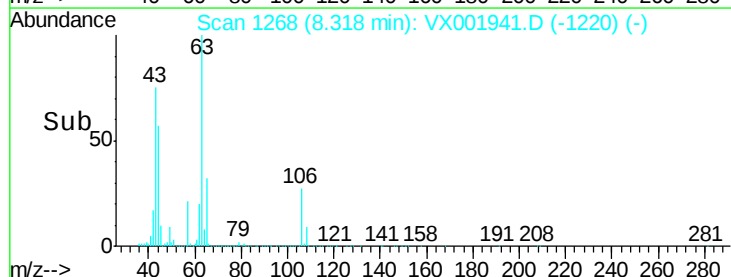
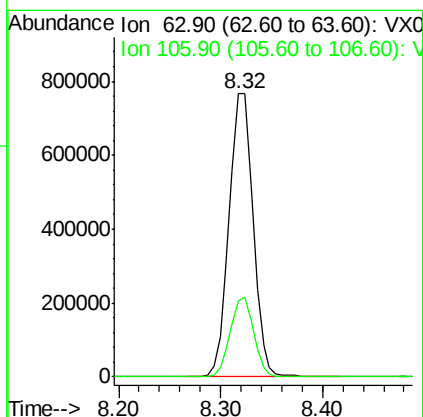
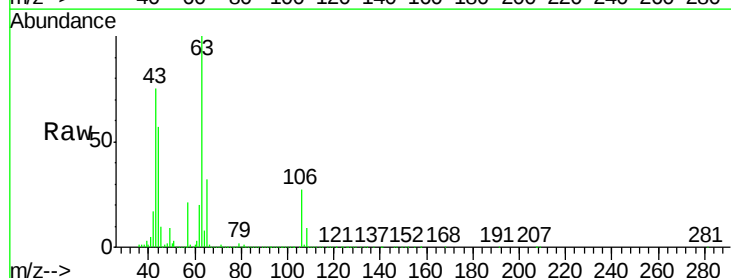
Acq: 24 May 2018 13:29

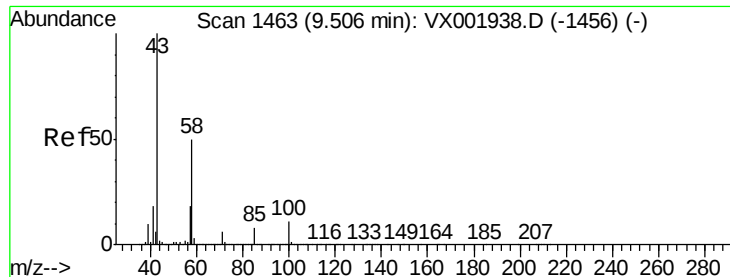
Tgt Ion: 63 Resp: 1247751

Ion Ratio Lower Upper

63 100

106 27.6 21.7 32.5





#59

2-Hexanone

Concen: 249.94 ug/l

RT: 9.51 min Scan# 1463

Delta R.T. -0.00 min

Lab File: VX001941.D

Acq: 24 May 2018 13:29

Tot Ion: 43 Resp: 1734040

Ion Ratio Lower Upper

43 100

58 49.5 24.9 74.6

Instrument :

MSVOA_X

ClientSampled :

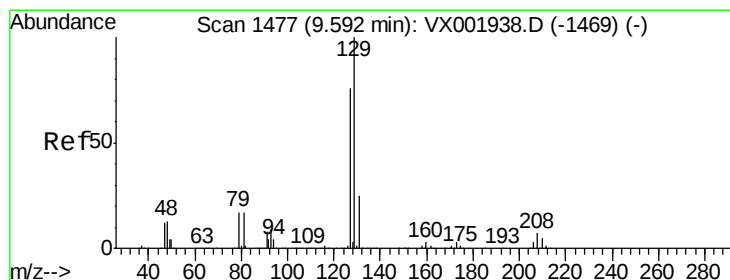
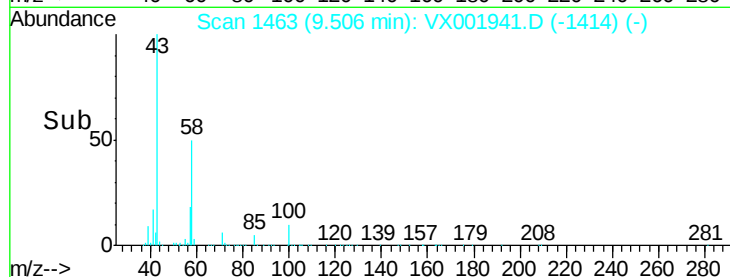
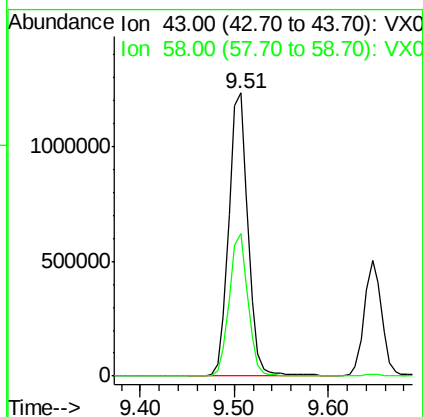
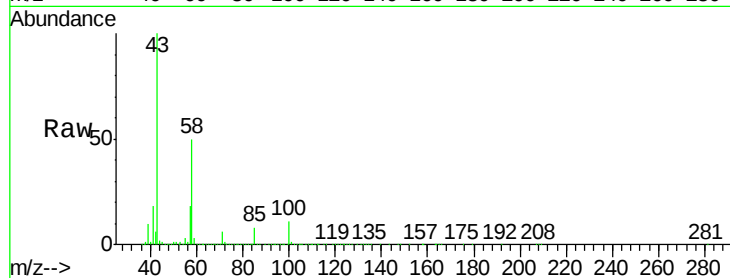
ICVVX052418

Manual Integrations

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#60

Dibromochloromethane

Concen: 50.74 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. -0.01 min

Lab File: VX001941.D

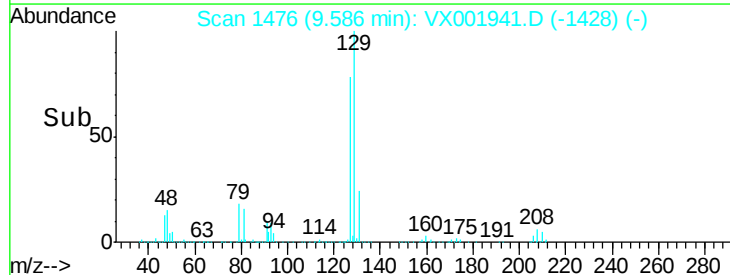
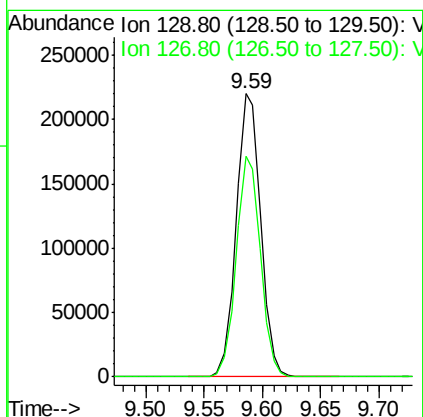
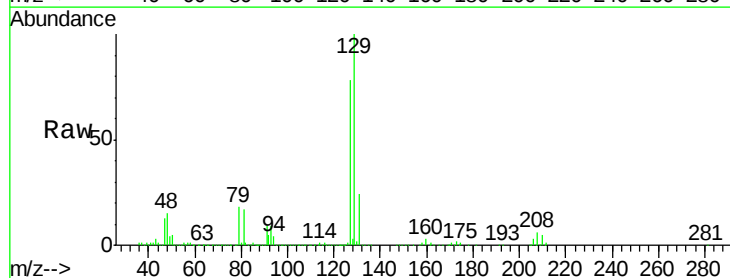
Acq: 24 May 2018 13:29

Tgt Ion: 129 Resp: 321657

Ion Ratio Lower Upper

129 100

127 77.3 38.3 114.9





#61

1,2-Dibromoethane

Concen: 49.62 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX001941.D

Acq: 24 May 2018 13:29

Instrument :

MSVOA_X

ClientSampleId :

ICVVX052418

Tot Ion:107 Resp: 278630

Ion Ratio Lower Upper

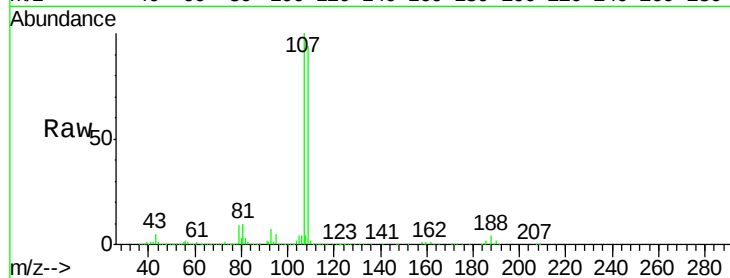
107 100

109 94.0 75.3 112.9

Manual Integrations
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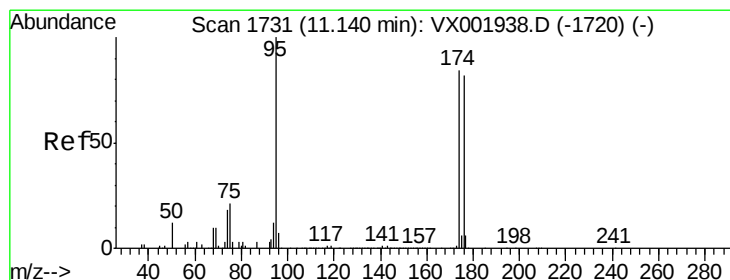
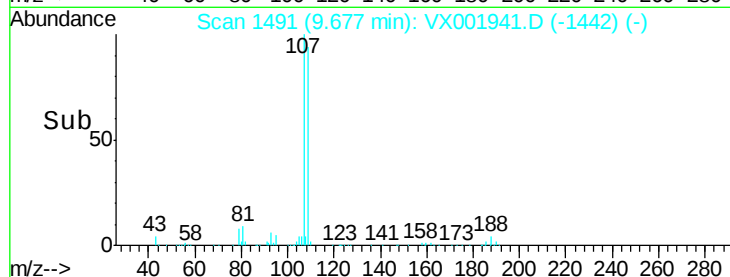
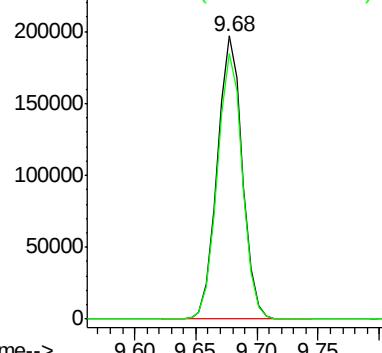
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 55.07 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001941.D

Acq: 24 May 2018 13:29

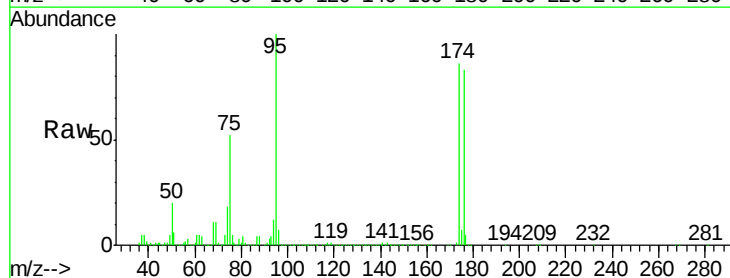
Tgt Ion: 95 Resp: 385341

Ion Ratio Lower Upper

95 100

174 90.3 0.0 178.8

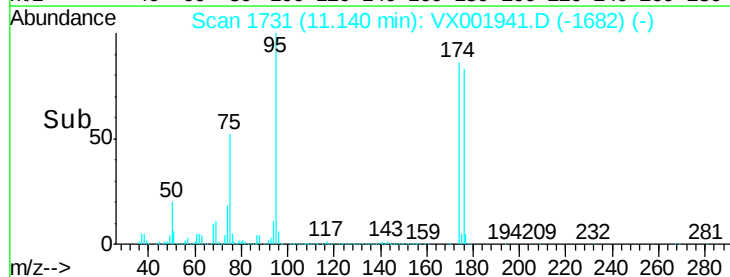
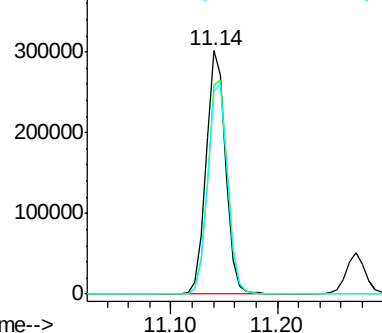
176 88.5 0.0 175.6

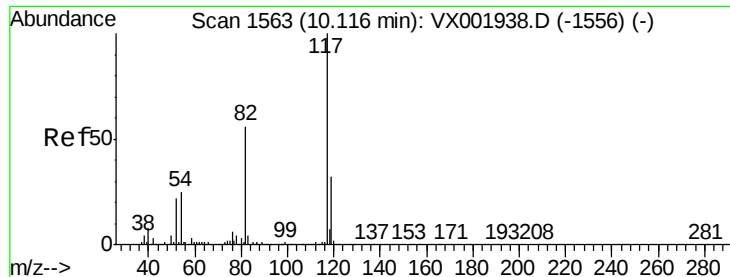


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





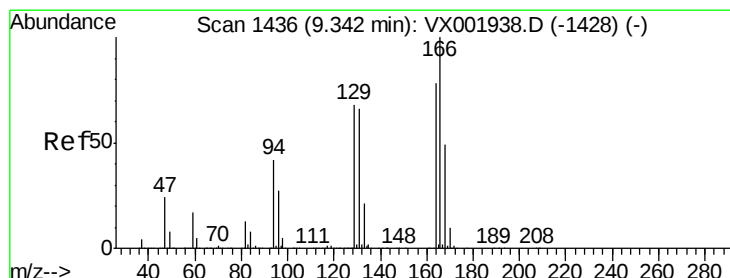
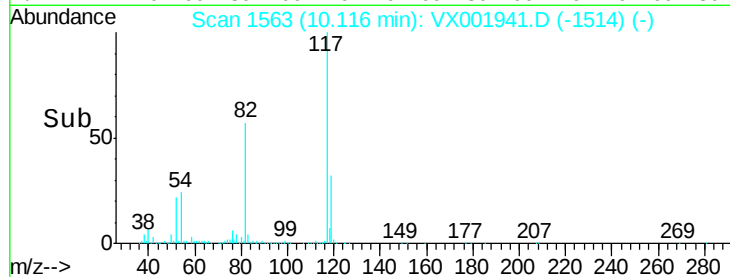
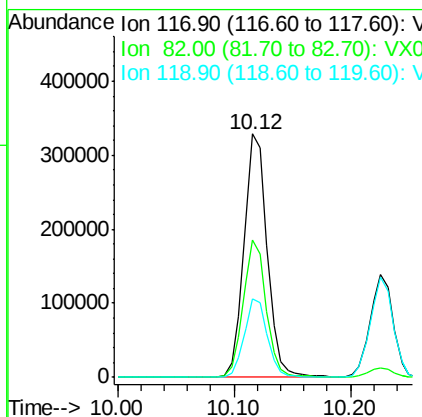
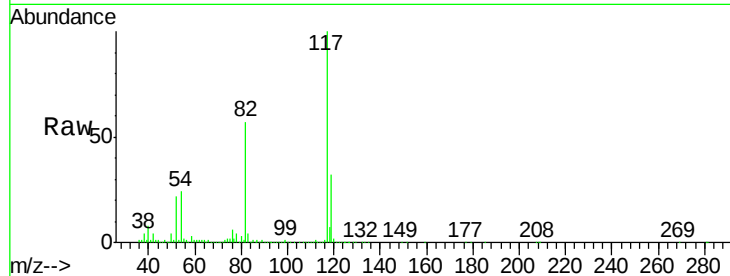
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX001941.D
Acq: 24 May 2018 13:29

Instrument :
MSVOA_X
ClientSampleId :
ICVVX052418

Tot Ion	Ratio	Resp	Lower	Upper
117	100	459358		
82	56.6		44.8	67.2
119	32.0		25.5	38.3

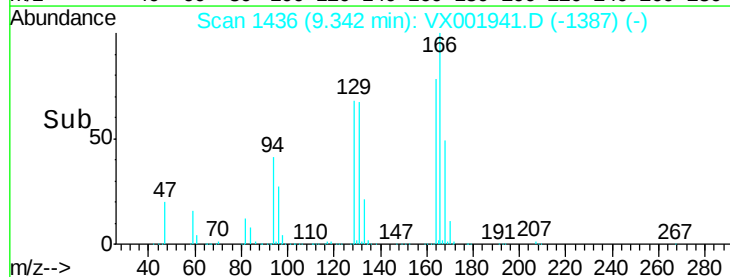
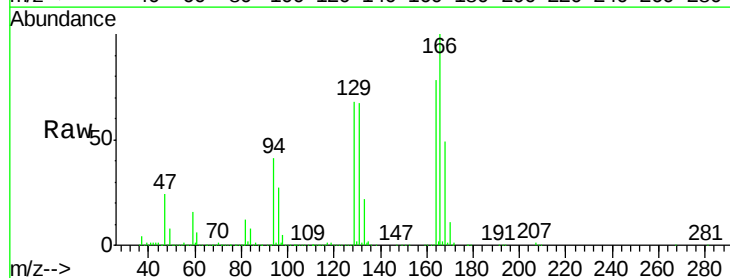
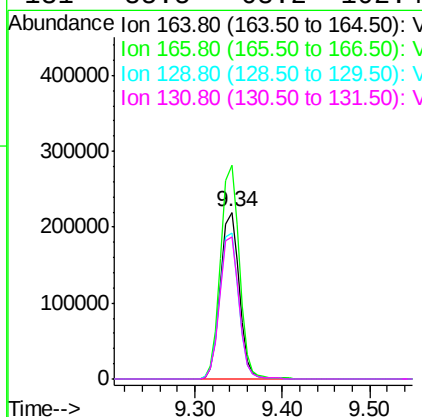
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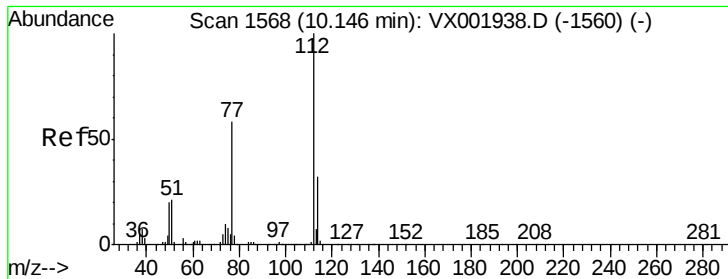
MMDadoda
5/25/2018 2:25:53 PM



#64
Tetrachloroethene
Concen: 49.76 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX001941.D
Acq: 24 May 2018 13:29

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	327746		
166	128.2		102.7	154.1
129	87.5		70.3	105.5
131	85.5		68.2	102.4





#65

Chlorobenzene

Concen: 50.02 ug/l

RT: 10.15 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VX001941.D

Acq: 24 May 2018 13:29

Instrument :

MSVOA_X

ClientSampled :

ICVVX052418

Tot Ion:112 Resp: 727958

Ion Ratio Lower Upper

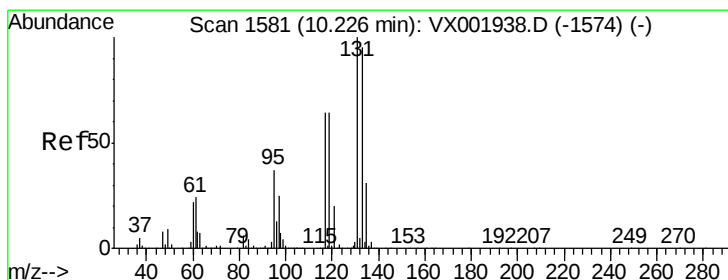
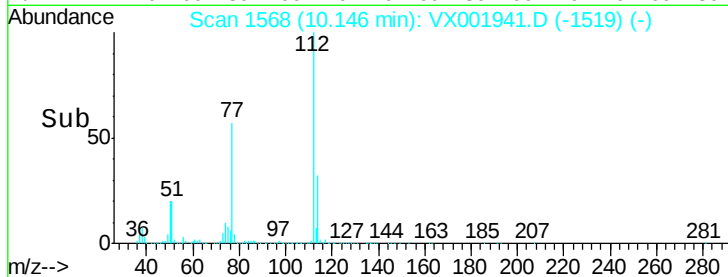
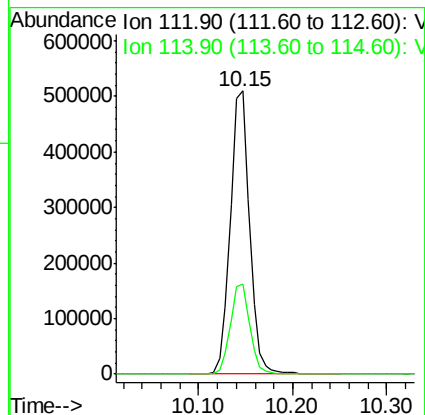
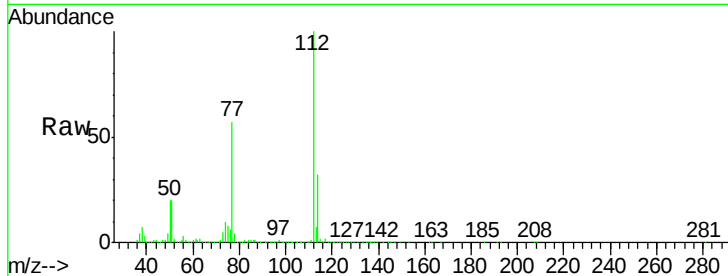
112 100

114 32.0 25.9 38.9

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 49.19 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX001941.D

Acq: 24 May 2018 13:29

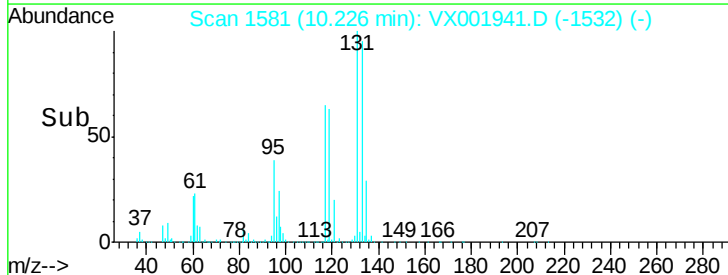
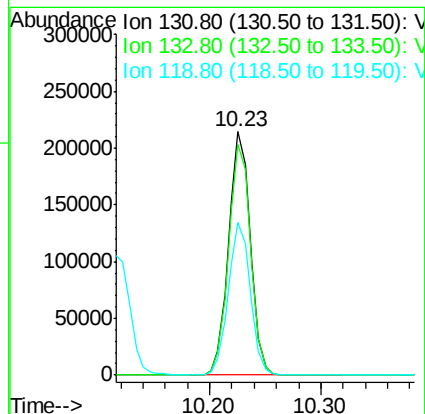
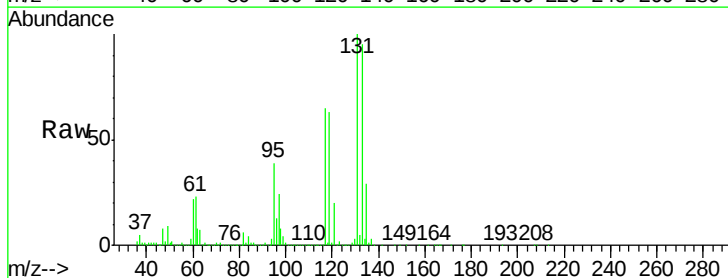
Tgt Ion:131 Resp: 289067

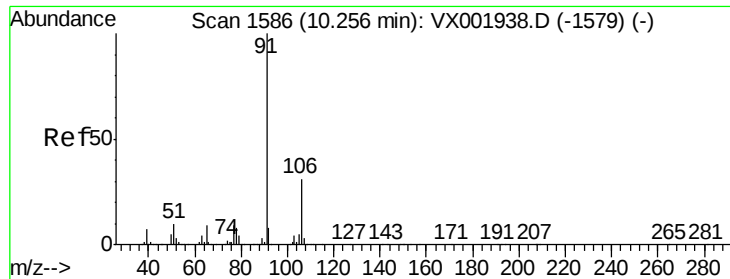
Ion Ratio Lower Upper

131 100

133 95.9 48.0 144.0

119 63.6 31.9 95.5





#67

Ethyl Benzene

Concen: 50.62 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX001941.D

Acq: 24 May 2018 13:29

Instrument :

MSVOA_X

ClientSampleId :

ICVVX052418

Tot Ion: 91 Resp: 1280097

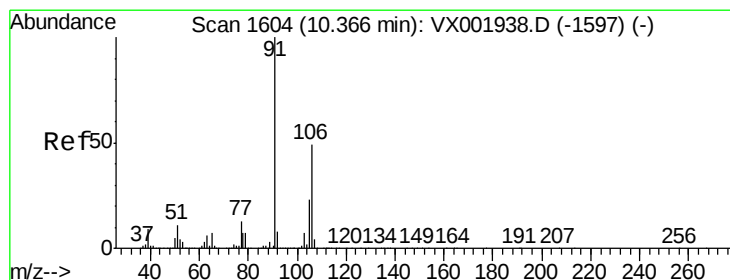
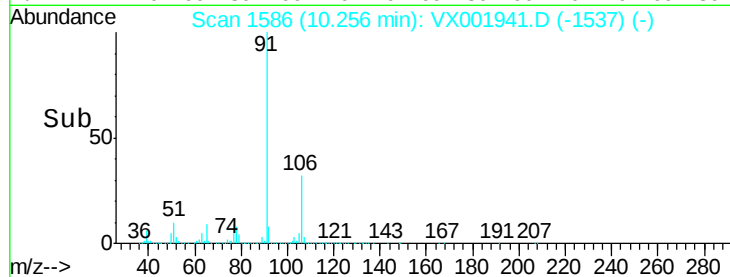
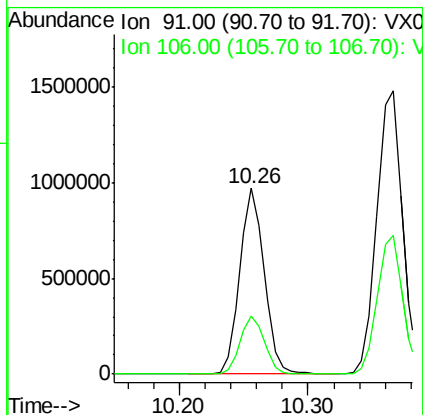
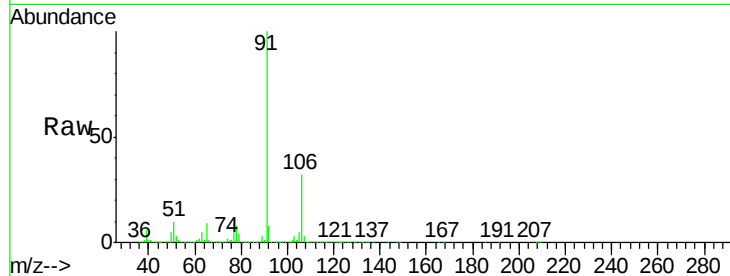
Ion Ratio Lower Upper

91 100

106 31.5 25.0 37.6

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#68

m/p-Xylenes

Concen: 102.23 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VX001941.D

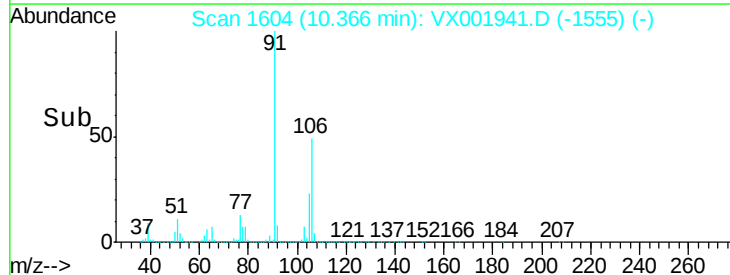
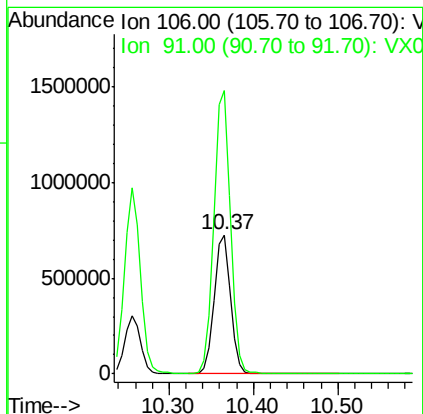
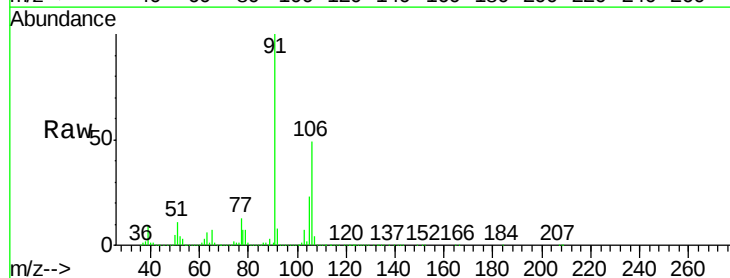
Acq: 24 May 2018 13:29

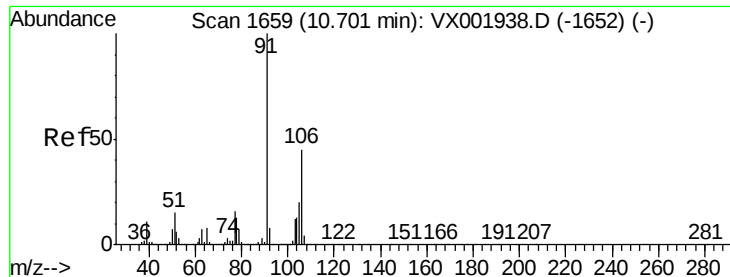
Tgt Ion: 106 Resp: 988172

Ion Ratio Lower Upper

106 100

91 205.8 165.0 247.6





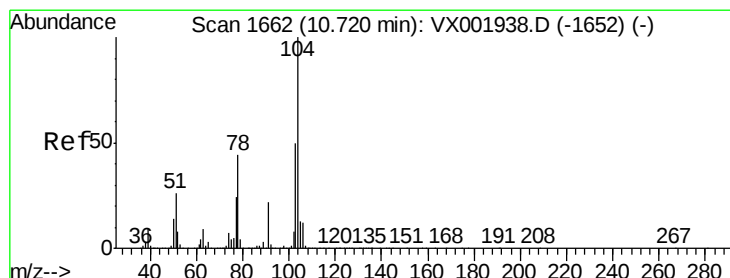
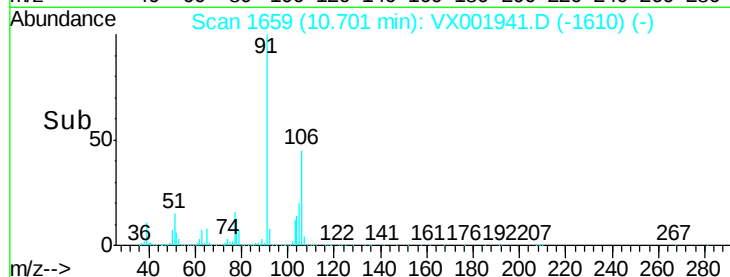
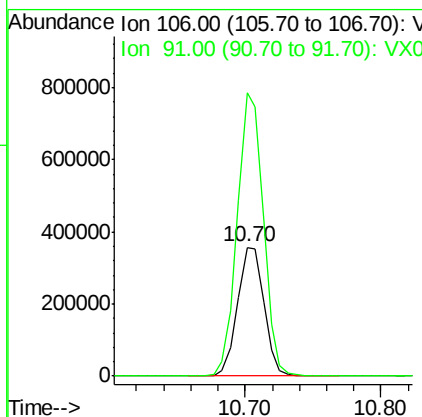
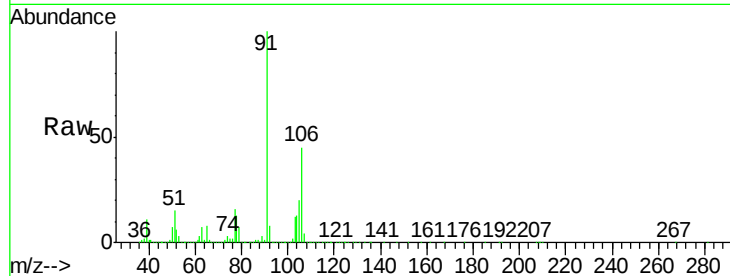
#69
o-Xylene
Concen: 50.21 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX001941.D
Acq: 24 May 2018 13:29

Instrument :
MSVOA_X
ClientSampleId :
ICVVX052418

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		484607		
91	216.6	108.7	325.9		

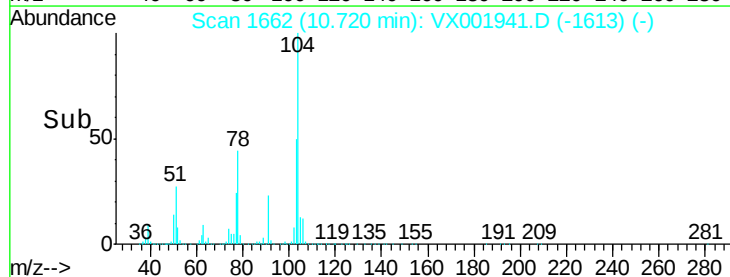
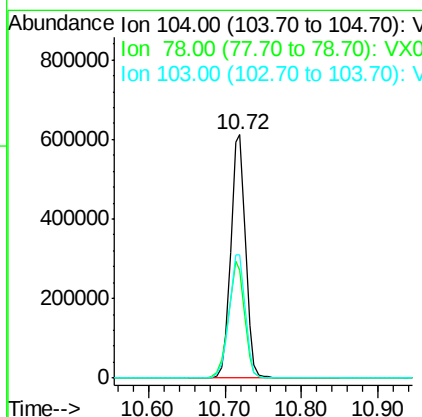
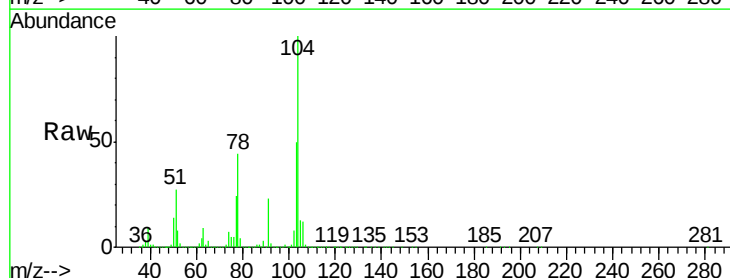
Manual Integrations
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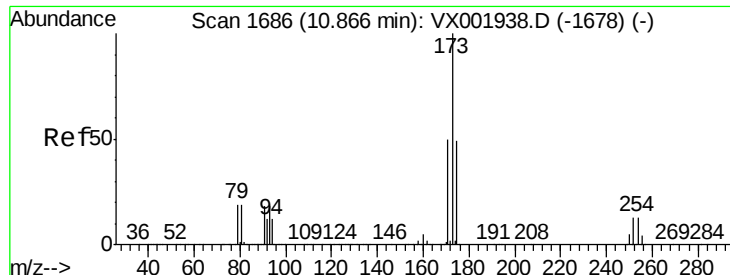
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#70
Styrene
Concen: 50.92 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX001941.D
Acq: 24 May 2018 13:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		814996		
78	52.0	41.8	62.6		
103	55.6	44.6	67.0		





#71

Bromoform

Concen: 50.34 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.01 min

Lab File: VX001941.D

Acq: 24 May 2018 13:29

Instrument :

MSVOA_X

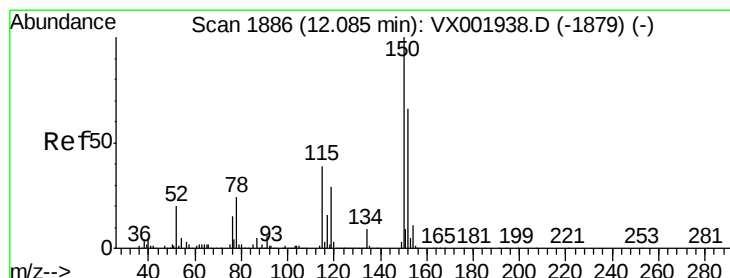
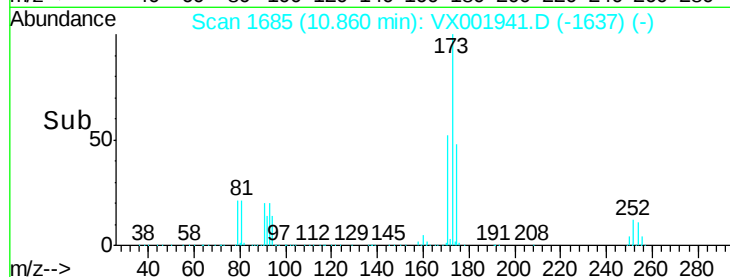
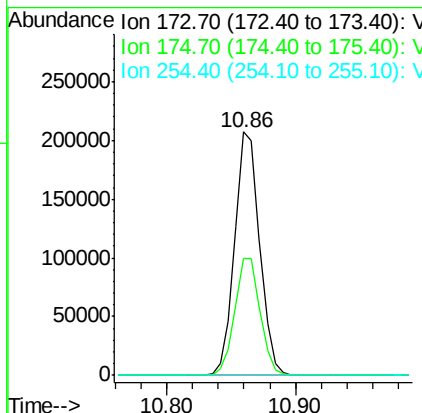
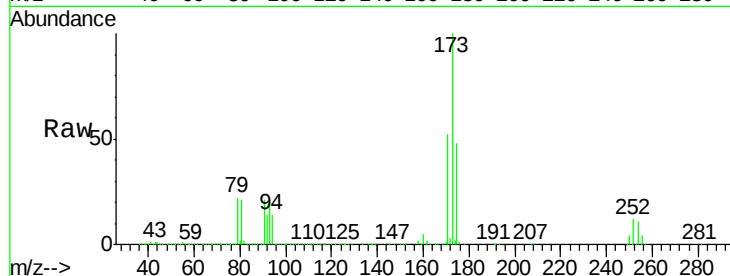
ClientSampleId :

ICVVX052418

Tot Ion	Ratio	Resp	Lower	Upper
173	100	280493		
175	49.1	24.3	72.9	
254	0.2	0.1	0.1#	

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

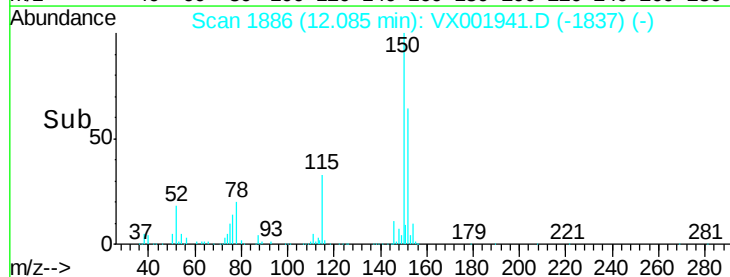
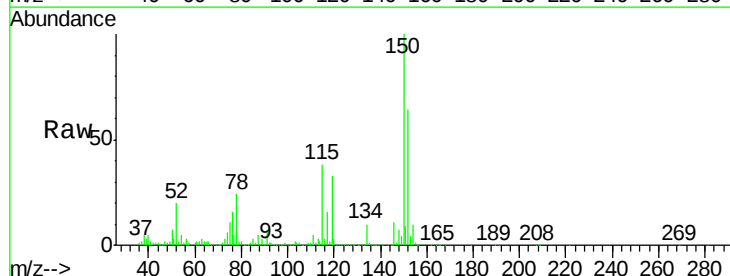
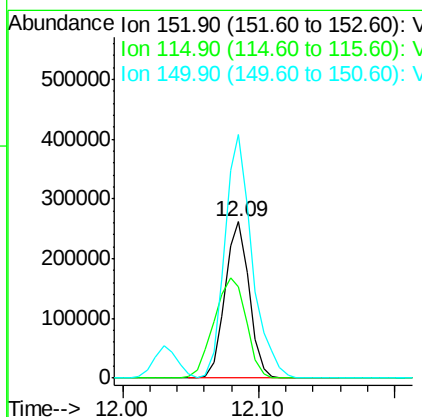
RT: 12.09 min Scan# 1886

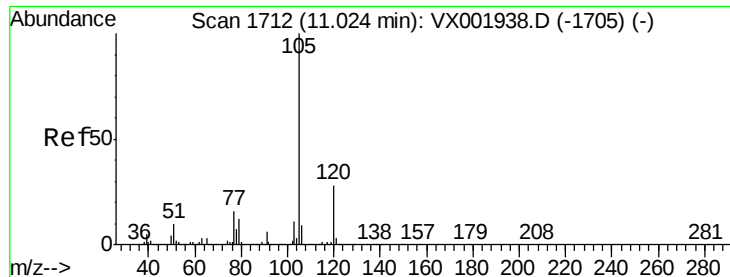
Delta R.T. -0.00 min

Lab File: VX001941.D

Acq: 24 May 2018 13:29

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	320895		
115	85.7	42.3	126.8	
150	176.5	0.0	351.0	





#73

Isopropylbenzene

Concen: 48.41 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX001941.D

Acq: 24 May 2018 13:29

Instrument :

MSVOA_X

ClientSampleId :

ICVVX052418

Tot Ion:105 Resp: 1315587

Ion Ratio Lower Upper

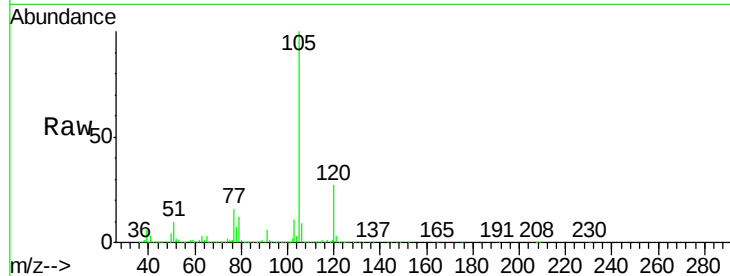
105 100

120 27.1 13.6 40.7

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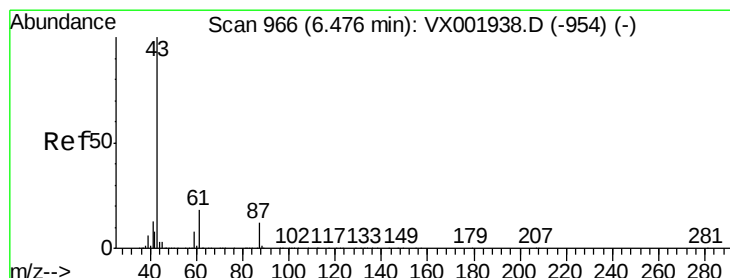
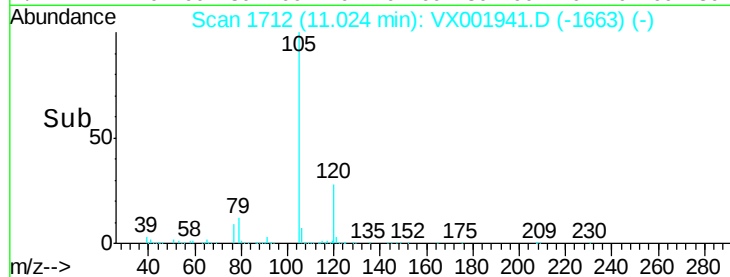
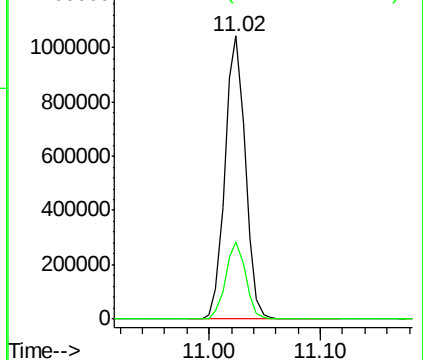
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 52.24 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX001941.D

Acq: 24 May 2018 13:29

Tgt Ion: 43 Resp: 734419

Ion Ratio Lower Upper

43 100

70 0.0 0.1 0.1#

55 0.0 0.1 0.1#

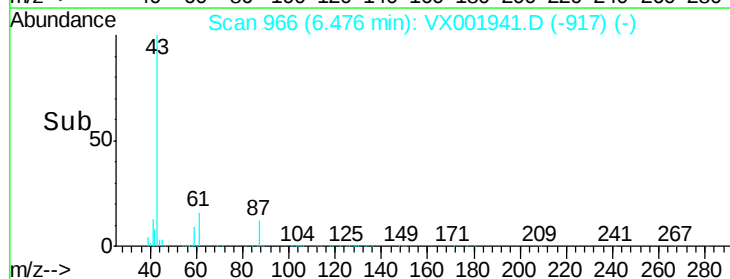
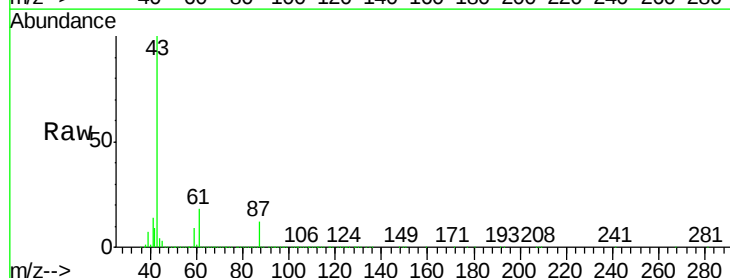
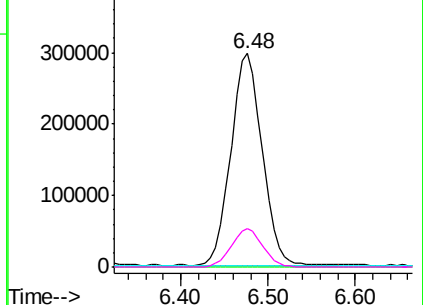
61 18.1 14.5 21.7

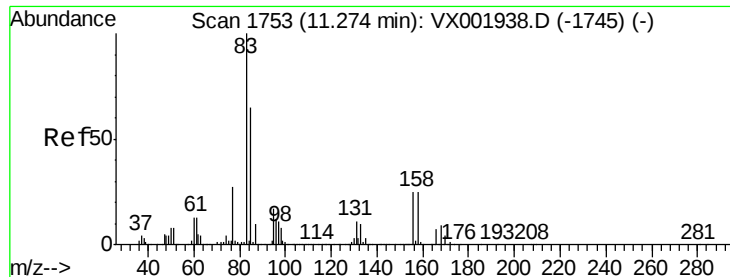
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 51.93 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX001941.D

Acq: 24 May 2018 13:29

Instrument :

MSVOA_X

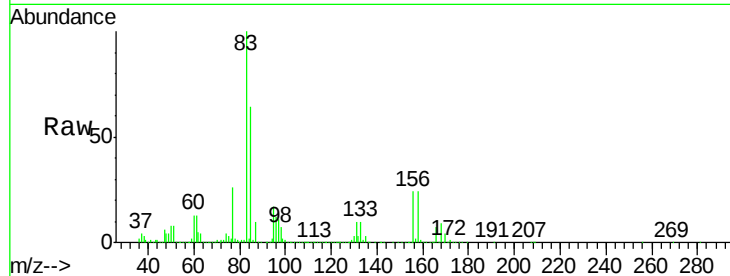
ClientSampleId :

ICVVX052418

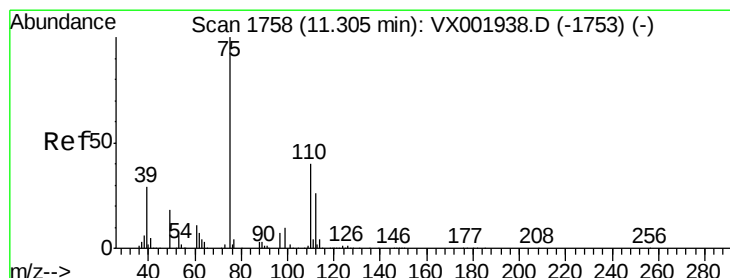
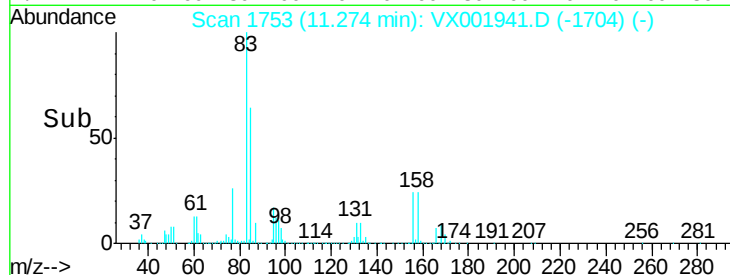
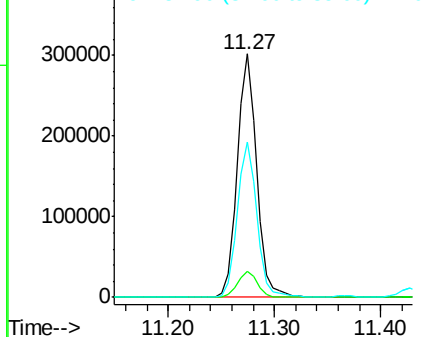
Tot Ion:	83	Resp:	385584
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.7	17.0
85	64.6	32.6	97.7

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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 53.57 ug/l m

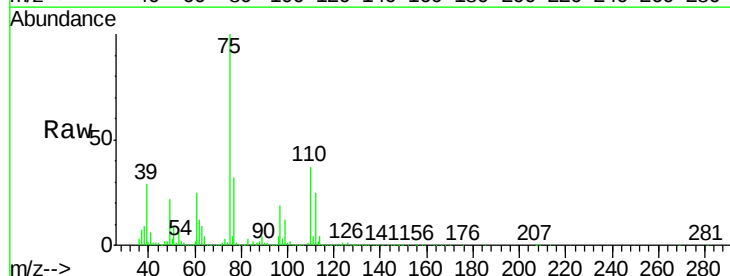
RT: 11.30 min Scan# 1758

Delta R.T. -0.00 min

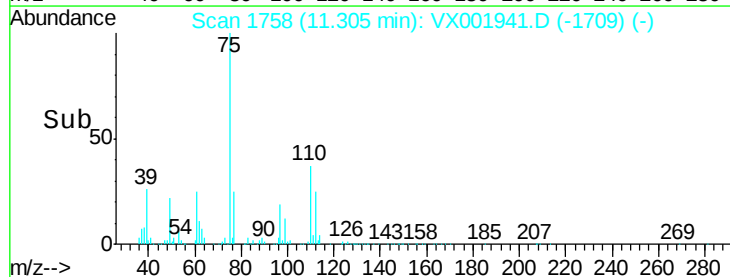
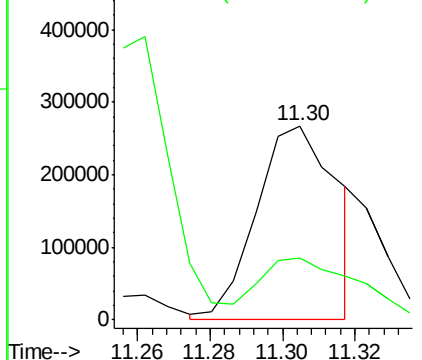
Lab File: VX001941.D

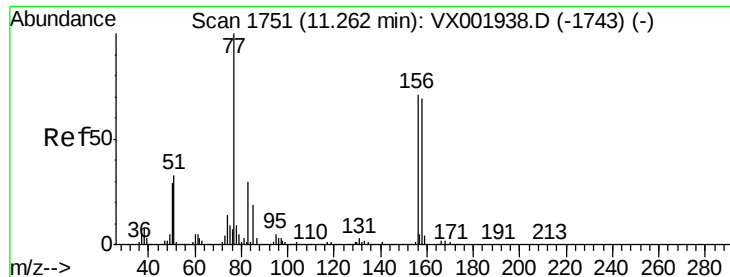
Acq: 24 May 2018 13:29

Tgt Ion:	75	Resp:	412897
Ion Ratio	Lower	Upper	
75	100		
77	38.6	22.8	68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





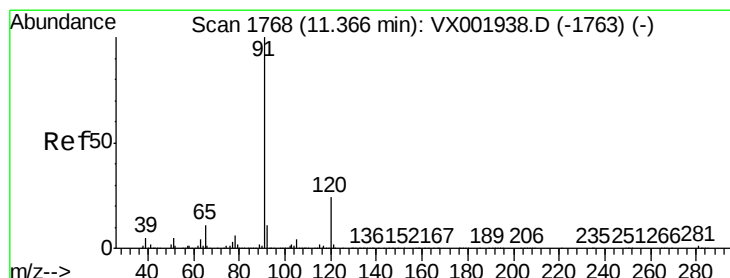
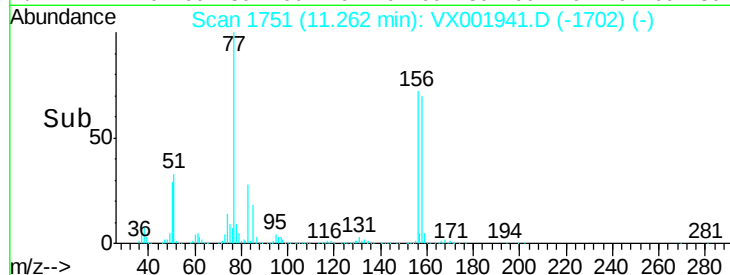
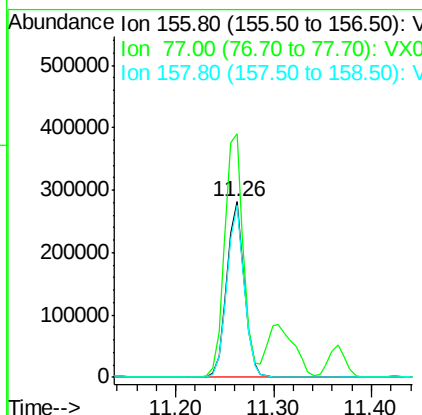
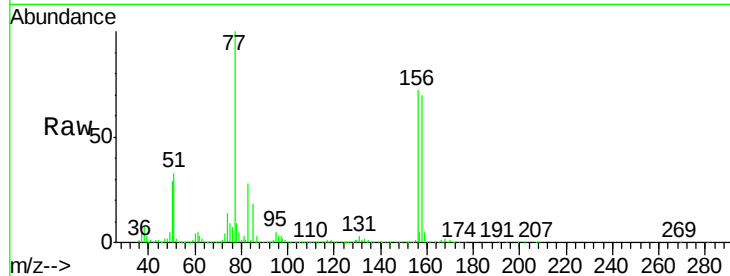
#77
Bromobenzene
Concen: 48.66 ug/l
RT: 11.26 min Scan# 1751
Delta R.T. -0.00 min
Lab File: VX001941.D
Acq: 24 May 2018 13:29

Instrument :
MSVOA_X
ClientSampleId :
ICVVX052418

Tot Ion	Ratio	Lower	Upper
156	100		
77	148.0	75.2	225.6
158	97.5	48.6	145.8

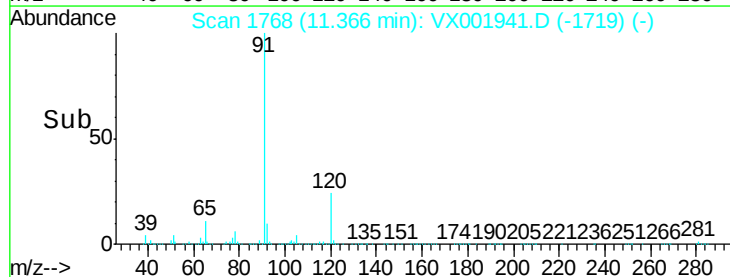
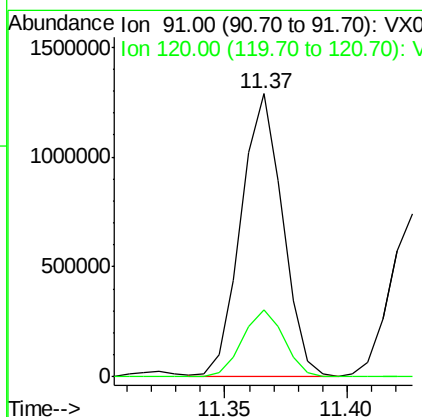
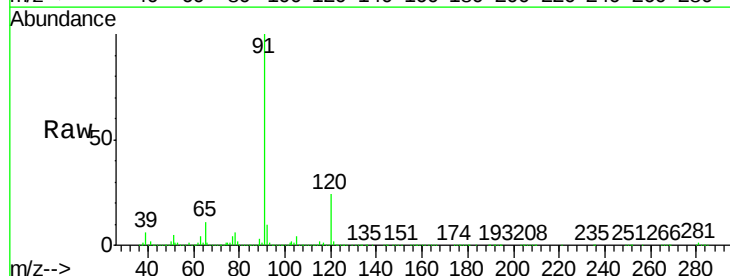
Manual Integrations
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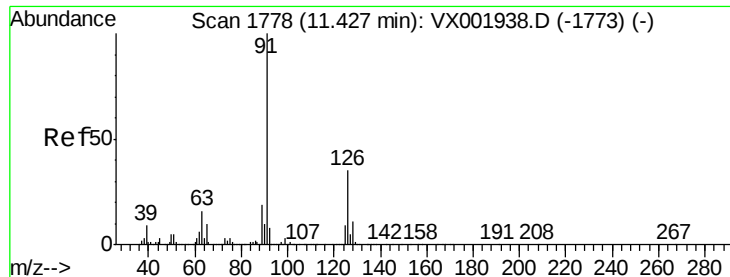
MMDadoda
5/25/2018 2:25:53 PM



#78
n-propylbenzene
Concen: 49.80 ug/l
RT: 11.37 min Scan# 1768
Delta R.T. -0.00 min
Lab File: VX001941.D
Acq: 24 May 2018 13:29

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.9	11.9	35.7





#79

2-Chlorotoluene

Concen: 53.95 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX001941.D

Acq: 24 May 2018 13:29

Instrument :

MSVOA_X

ClientSampleId :

ICVVX052418

Tot Ion: 91 Resp: 897641

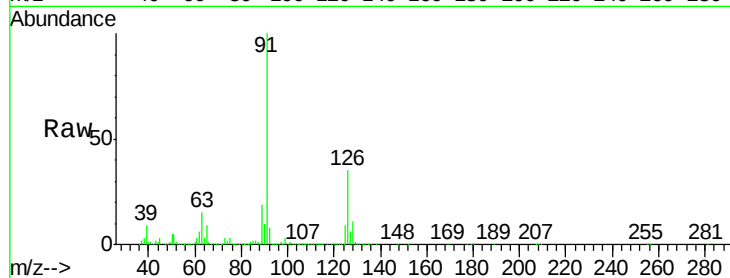
Ion Ratio Lower Upper

91 100

126 34.9 17.4 52.2

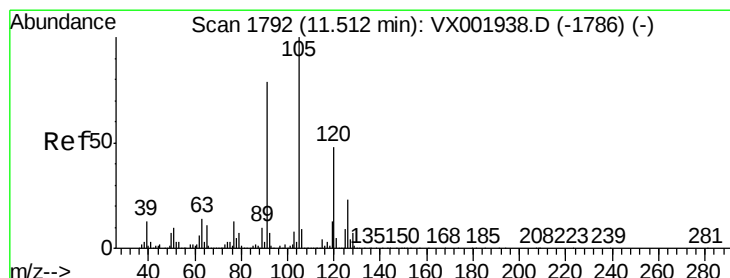
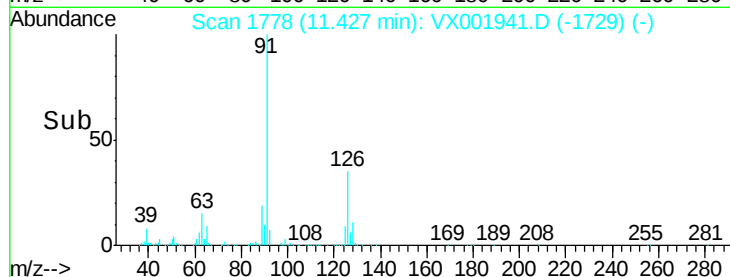
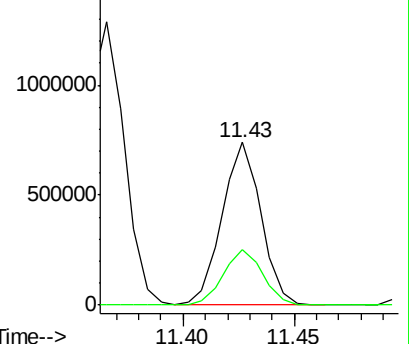
Manual Integrations
APPROVED

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5/25/2018 2:25:53 PM



Abundance Ion 91.00 (90.70 to 91.70): VX001938.D (-1773) (-)

Ion 125.90 (125.60 to 126.60): VX001938.D (-1773) (-)



#80

1,3,5-Trimethylbenzene

Concen: 48.93 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX001941.D

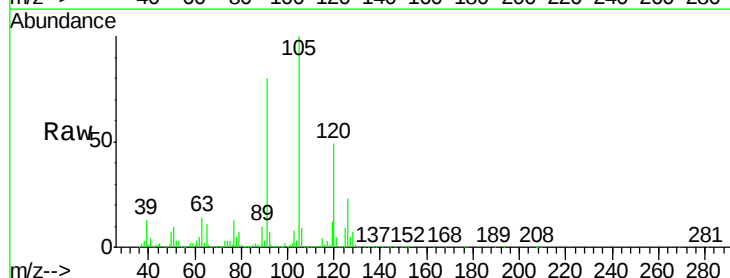
Acq: 24 May 2018 13:29

Tgt Ion: 105 Resp: 1136349

Ion Ratio Lower Upper

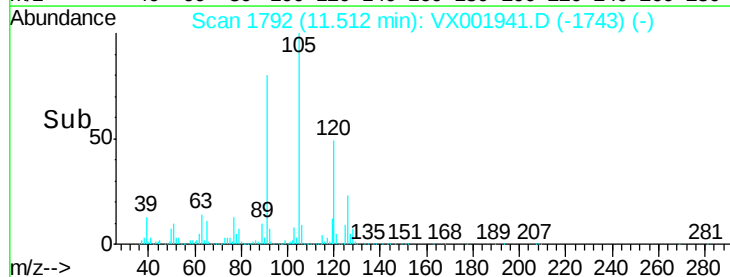
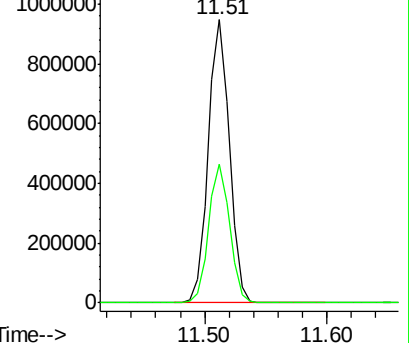
105 100

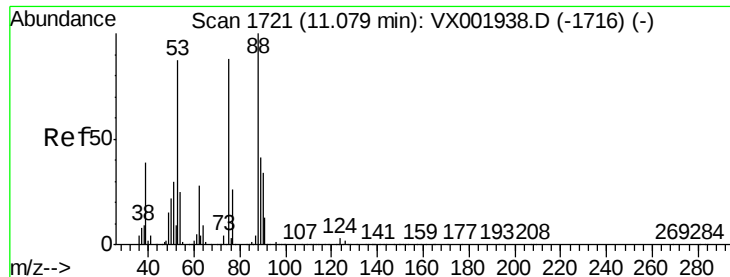
120 48.6 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VX001938.D (-1786) (-)

Ion 120.00 (119.70 to 120.70): VX001938.D (-1786) (-)





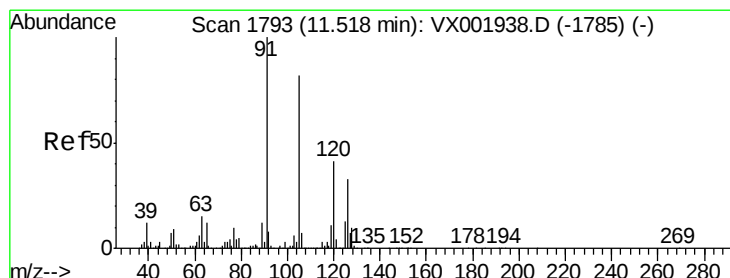
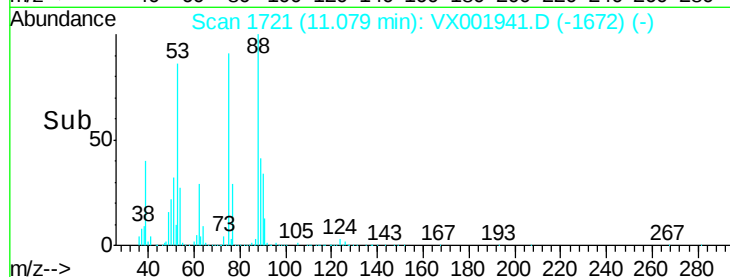
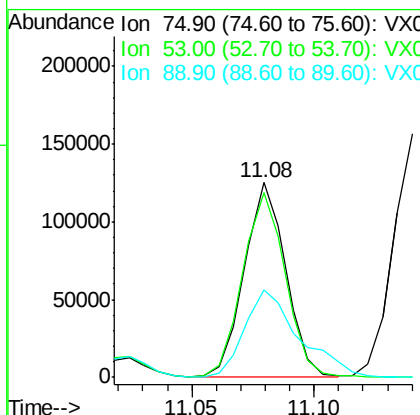
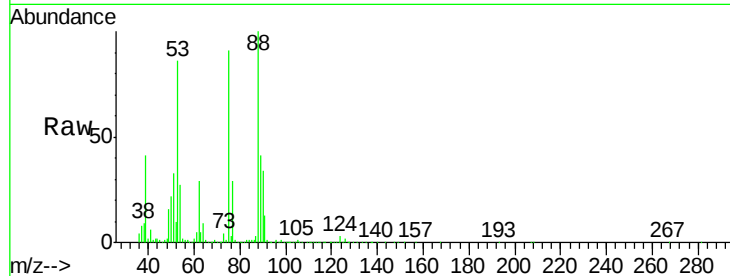
#81
trans-1,4-Dichloro-2-butene
Concen: 46.13 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. -0.00 min
Lab File: VX001941.D
Acq: 24 May 2018 13:29

Instrument :
MSVOA_X
ClientSampleId :
ICVVX052418

Tot Ion	Ratio	Lower	Upper
75	100		
53	97.1	78.0	117.0
89	59.5	39.4	59.2#

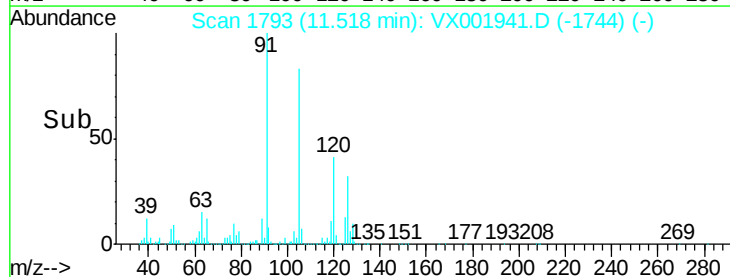
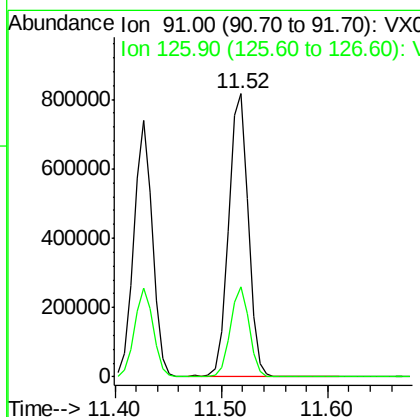
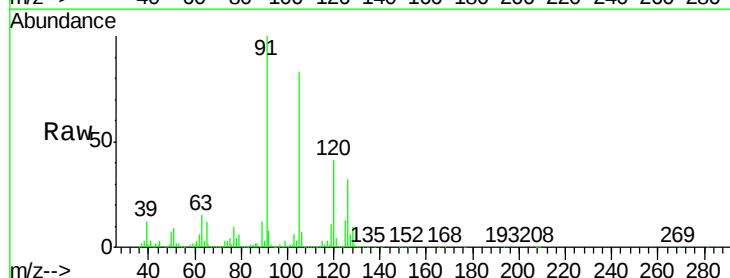
Manual Integrations
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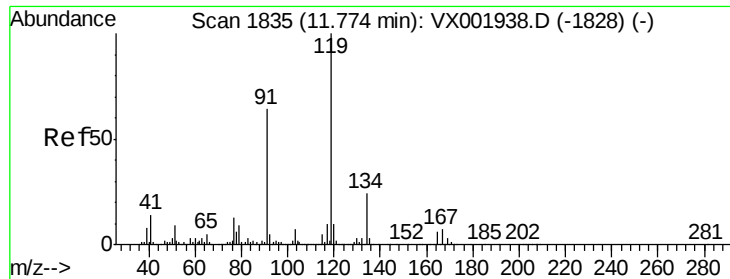
MMDadoda
5/25/2018 2:25:53 PM



#82
4-Chlorotoluene
Concen: 49.31 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VX001941.D
Acq: 24 May 2018 13:29

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.4	15.3	45.8





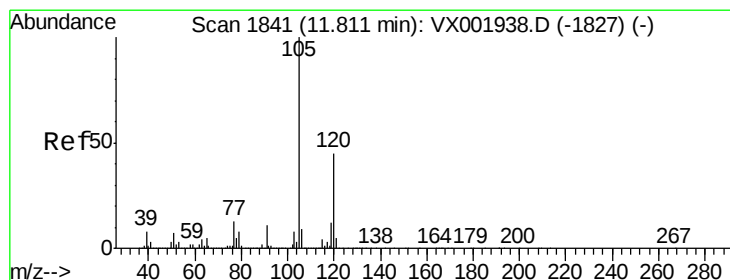
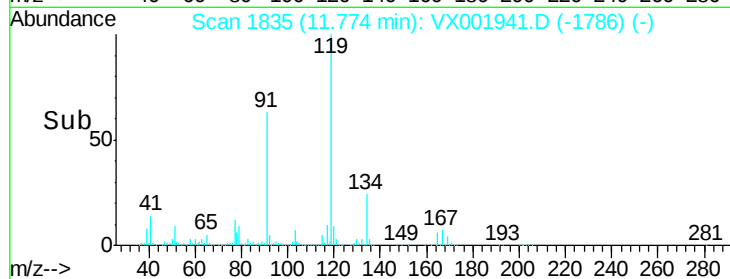
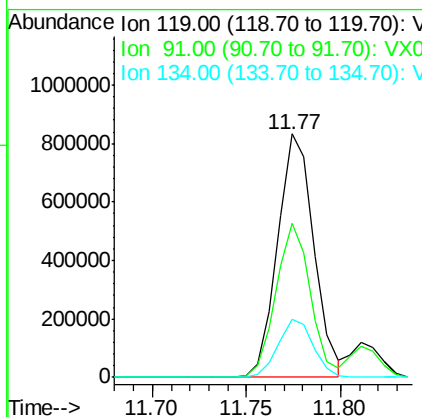
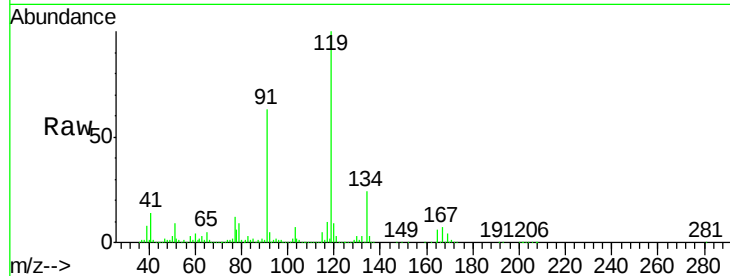
#83
 tert-Butylbenzene
 Concen: 48.72 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX001941.D
 Acq: 24 May 2018 13:29

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX052418

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.2	30.6	91.8
134	23.2	11.7	35.0

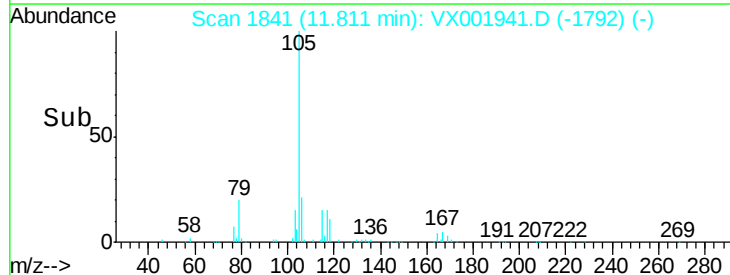
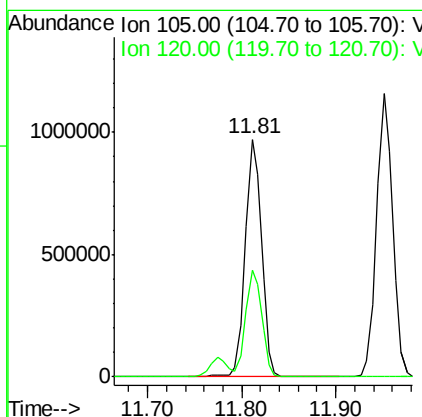
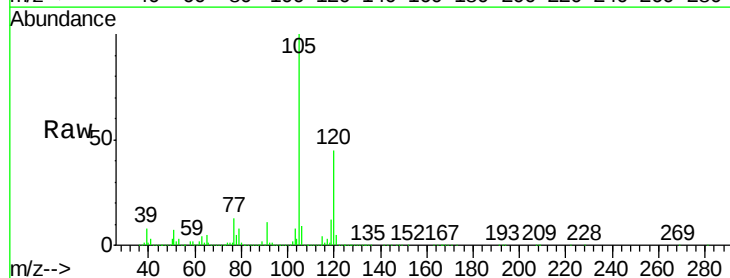
Manual Integrations
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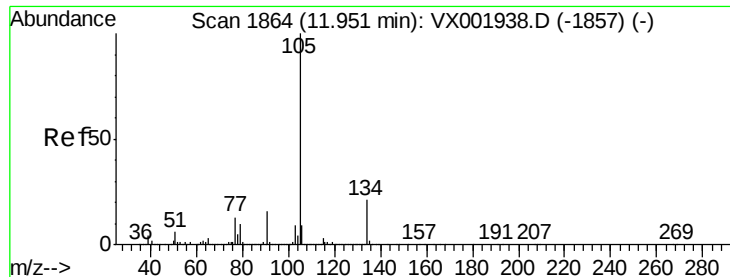
MMDadoda
 5/25/2018 2:25:53 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 48.89 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX001941.D
 Acq: 24 May 2018 13:29

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.1	66.5





#85

sec-Butylbenzene

Concen: 50.12 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX001941.D

Acq: 24 May 2018 13:29

Instrument :

MSVOA_X

ClientSampleId :

ICVVX052418

Tot Ion:105 Resp: 1372971

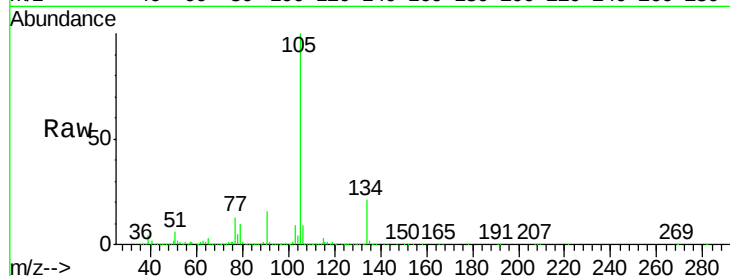
Ion Ratio Lower Upper

105 100

134 20.9 10.4 31.4

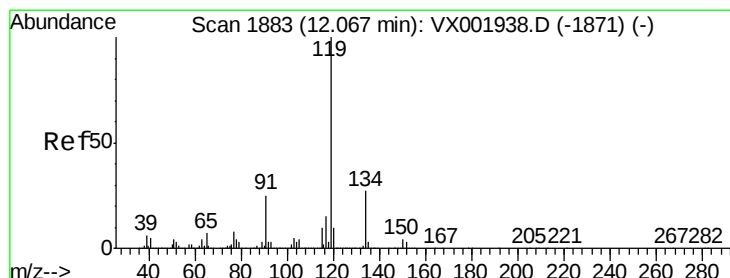
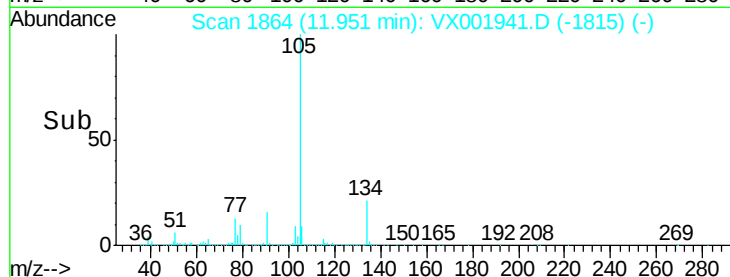
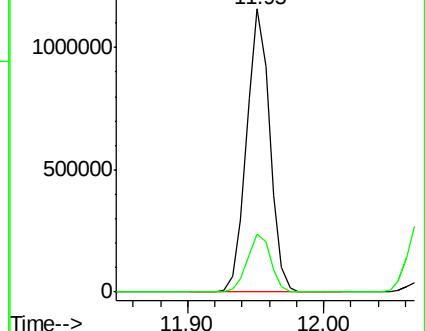
Manual Integrations
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5/25/2018 2:25:53 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.02 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX001941.D

Acq: 24 May 2018 13:29

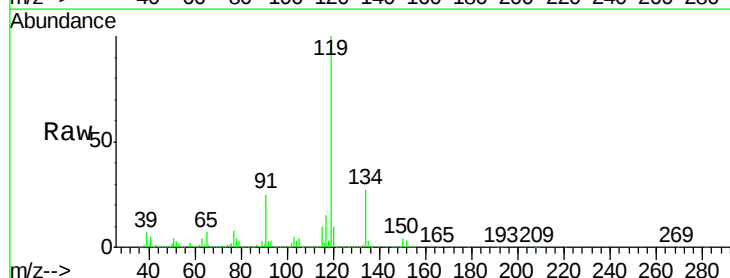
Tgt Ion:119 Resp: 1250725

Ion Ratio Lower Upper

119 100

134 26.9 13.6 40.8

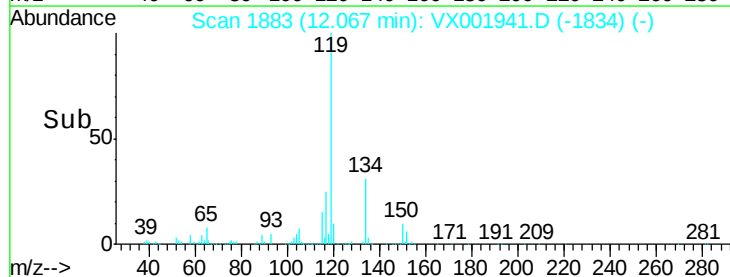
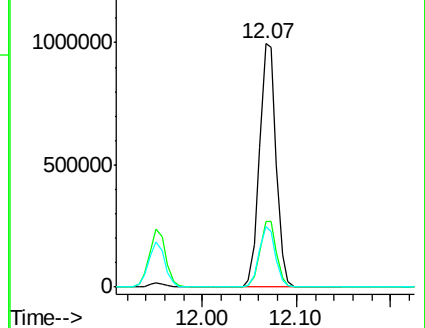
91 24.1 12.2 36.4

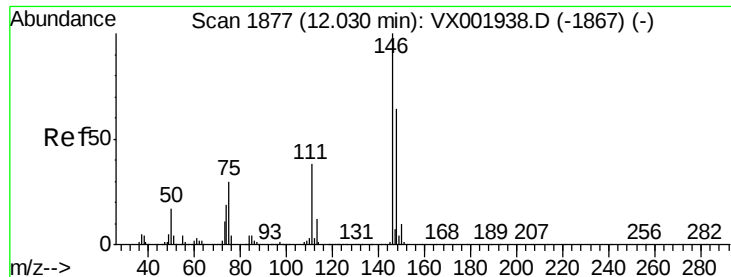


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





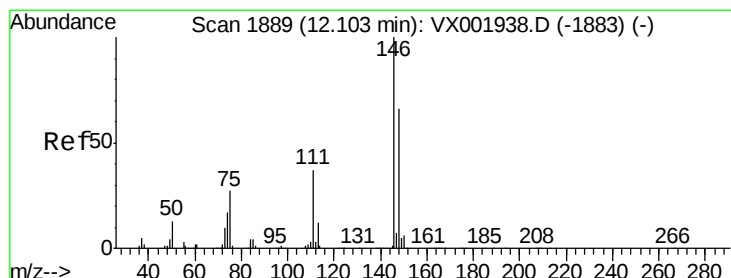
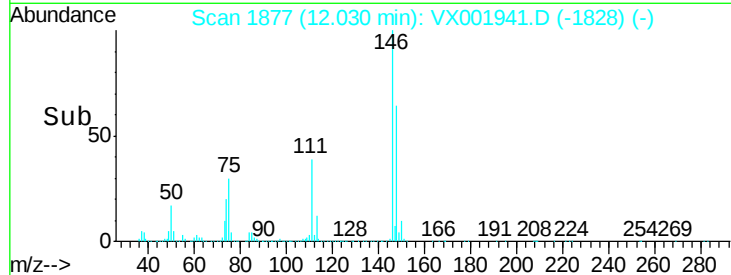
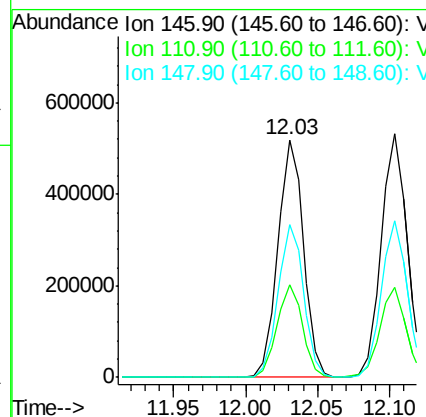
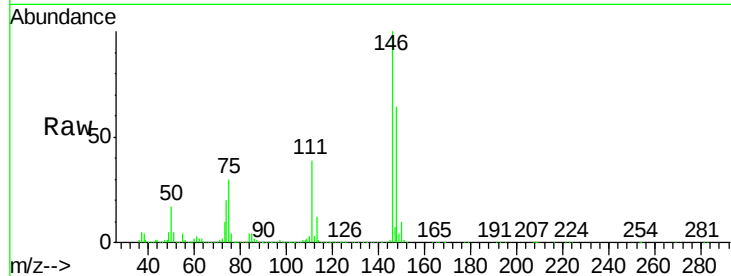
#87
 1,3-Dichlorobenzene
 Concen: 49.87 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX001941.D
 Acq: 24 May 2018 13:29

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX052418

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.3	57.8
148	64.3	32.1	96.3

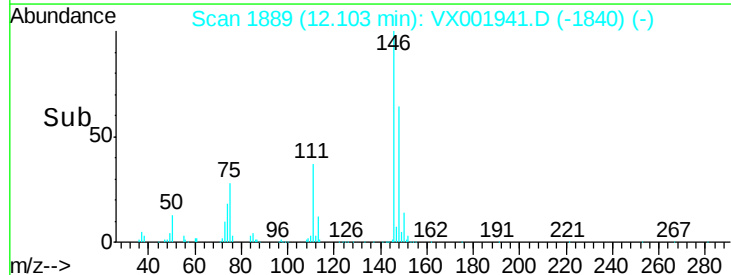
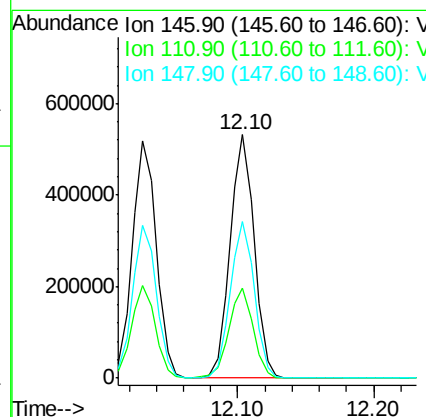
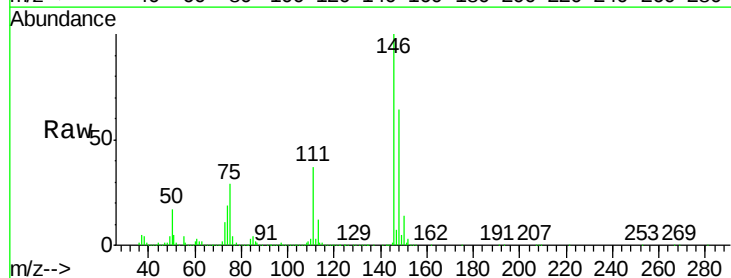
Manual Integrations
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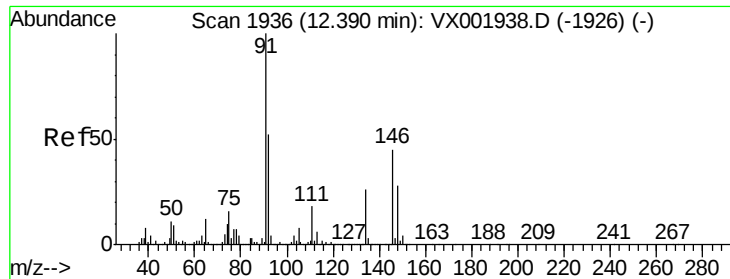
MMDadoda
 5/25/2018 2:25:53 PM



#88
 1,4-Dichlorobenzene
 Concen: 50.36 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX001941.D
 Acq: 24 May 2018 13:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.9	56.5
148	64.3	32.3	96.8





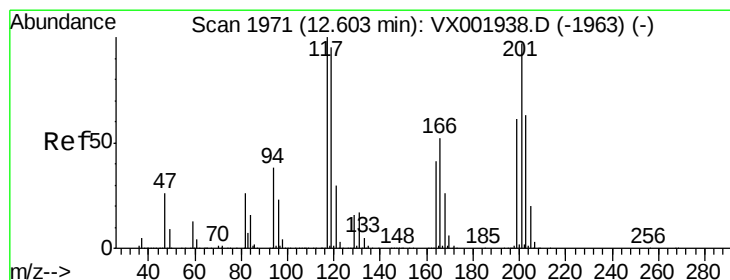
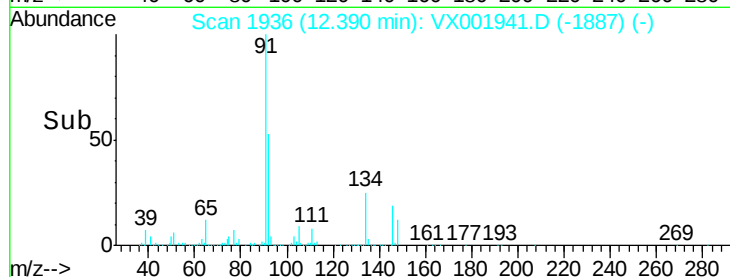
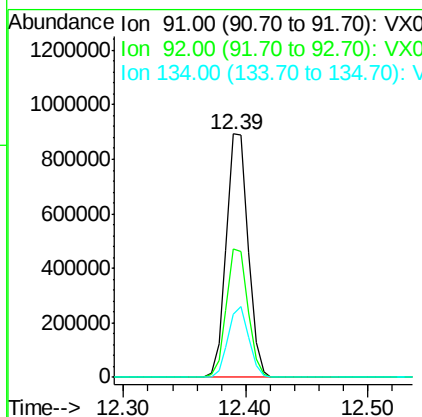
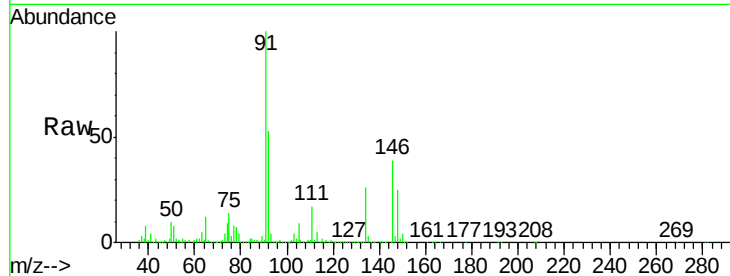
#89
n-Butylbenzene
Concen: 52.91 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX001941.D
Acq: 24 May 2018 13:29

Instrument :
MSVOA_X
ClientSampleId :
ICVVX052418

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.3	78.9
134	27.7	13.6	40.7

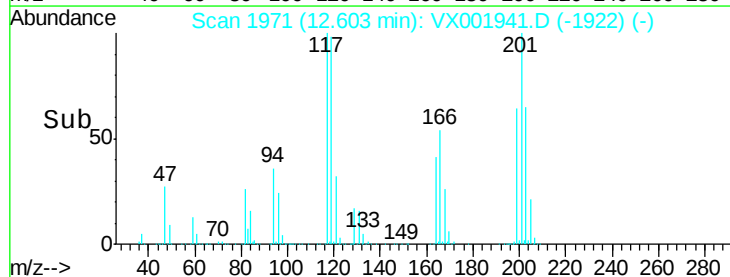
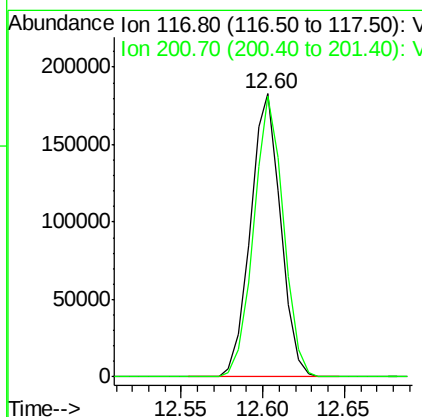
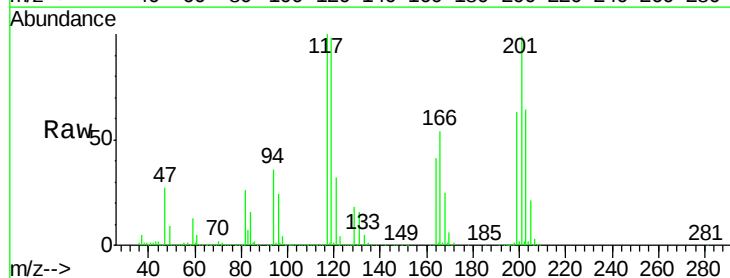
Manual Integrations
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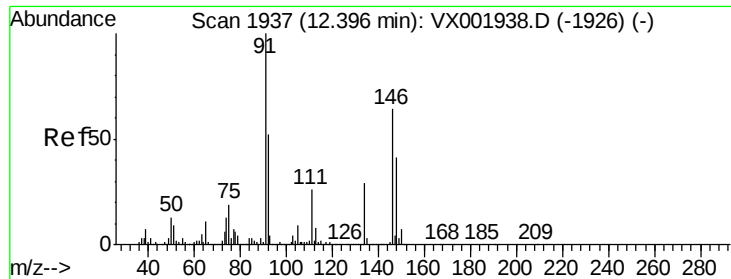
MMDadoda
5/25/2018 2:25:53 PM



#90
Hexachloroethane
Concen: 48.53 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX001941.D
Acq: 24 May 2018 13:29

Tgt Ion	Ratio	Lower	Upper
117	100		
201	97.5	48.0	144.0





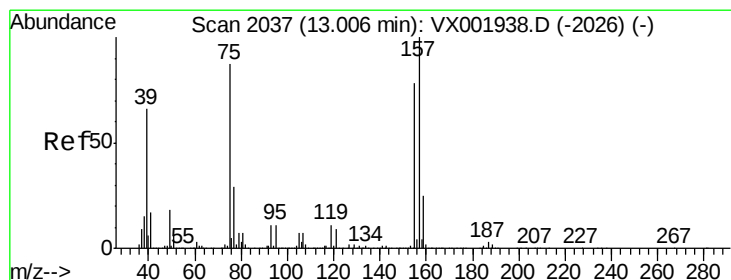
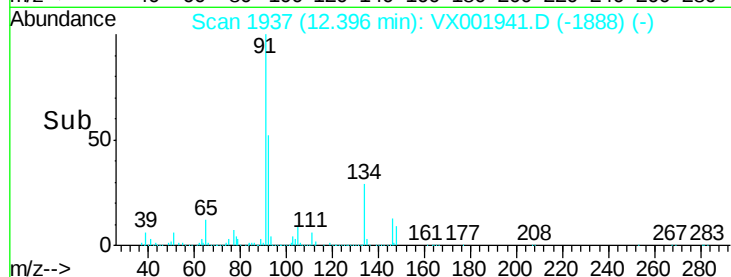
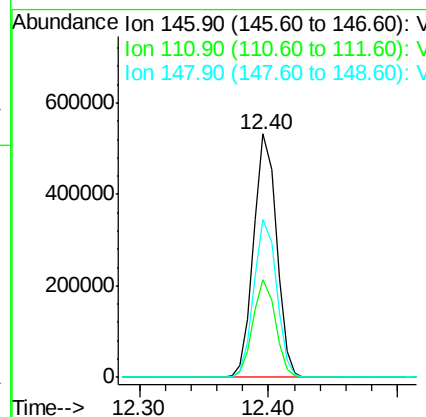
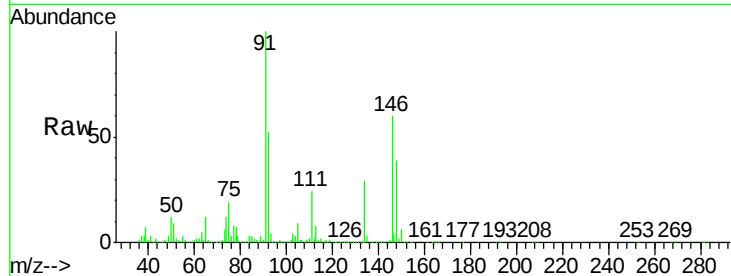
#91
 1,2-Dichlorobenzene
 Concen: 49.27 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX001941.D
 Acq: 24 May 2018 13:29

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX052418

Tot Ion	Ratio	Resp	Lower	Upper
146	100	648175		
111	39.5	19.8	59.3	
148	64.7	32.1	96.5	

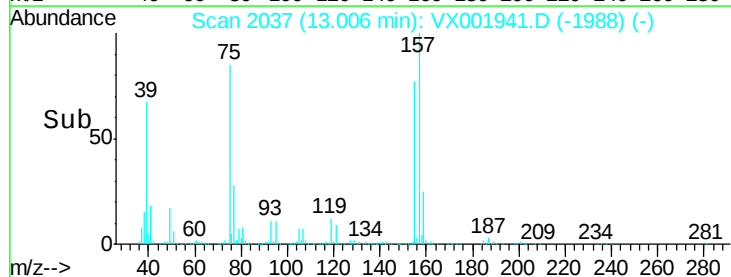
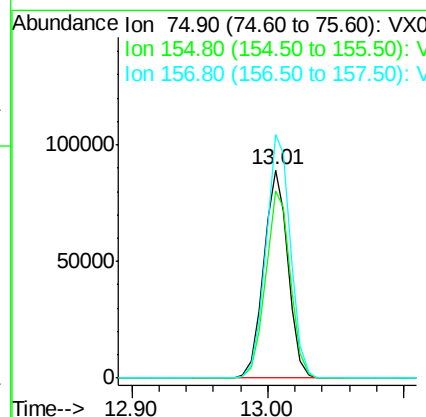
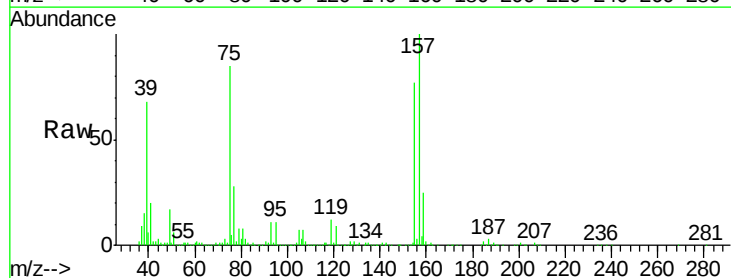
Manual Integrations
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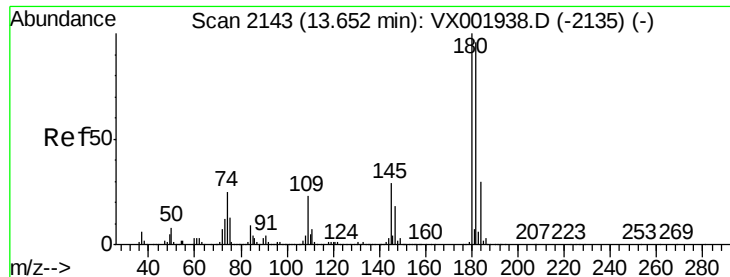
MMDadoda
 5/25/2018 2:25:53 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.40 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX001941.D
 Acq: 24 May 2018 13:29

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	112109		
155	91.3	45.1	135.2	
157	118.3	58.1	174.2	





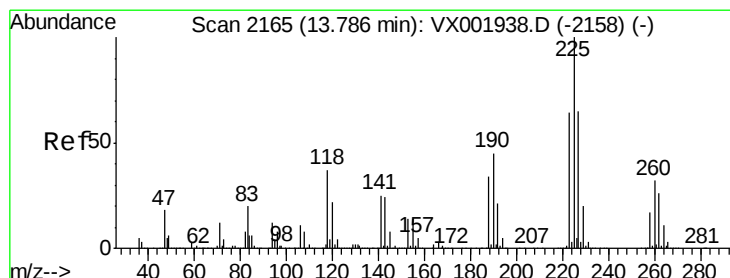
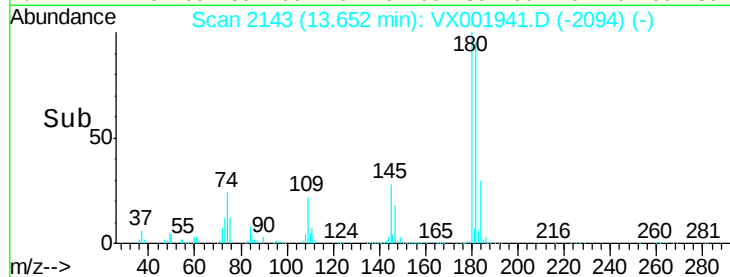
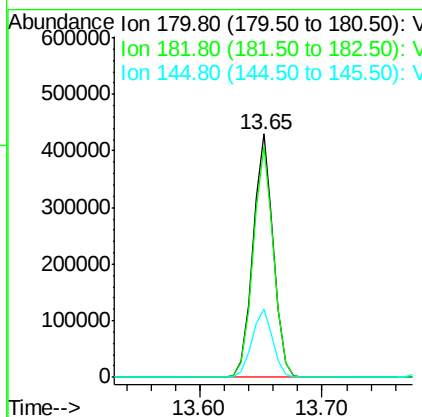
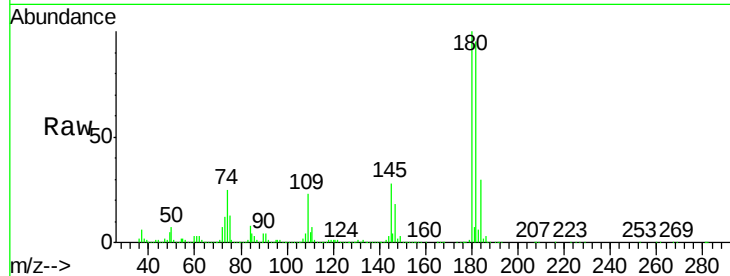
#93
 1,2,4-Trichlorobenzene
 Concen: 52.99 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX001941.D
 Acq: 24 May 2018 13:29

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX052418

Tot Ion	Ratio	Resp	Lower	Upper
180	100	498474		
182	95.3	47.7	143.1	
145	28.7	14.4	43.0	

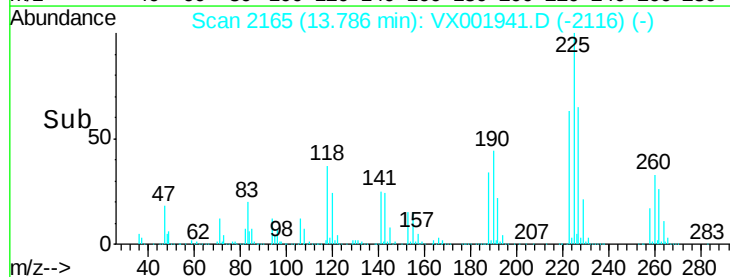
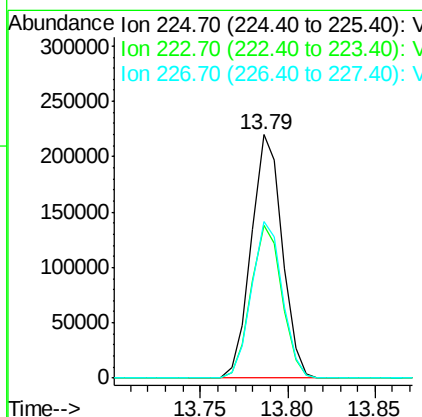
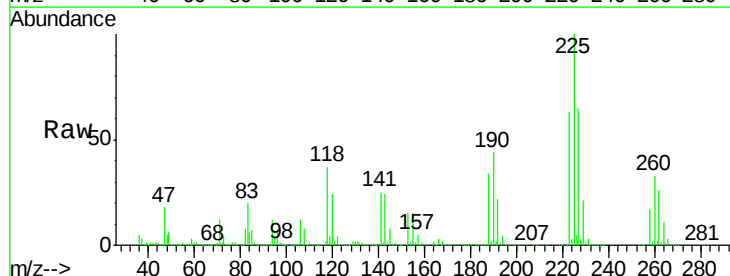
Manual Integrations
 APPROVED

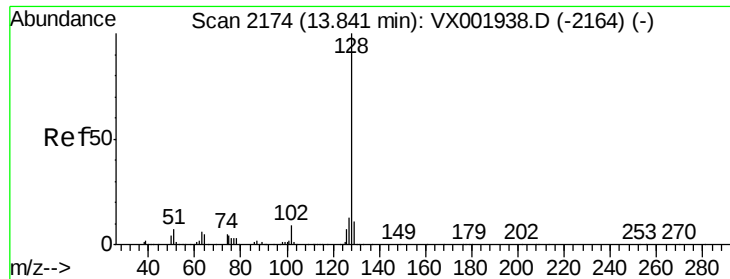
MMDadoda
 5/25/2018 2:25:53 PM



#94
 Hexachlorobutadiene
 Concen: 53.36 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX001941.D
 Acq: 24 May 2018 13:29

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	269993		
223	63.0	31.1	93.5	
227	64.5	32.1	96.5	





#95

Naphthalene

Concen: 50.08 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX001941.D

Acq: 24 May 2018 13:29

Instrument :

MSVOA_X

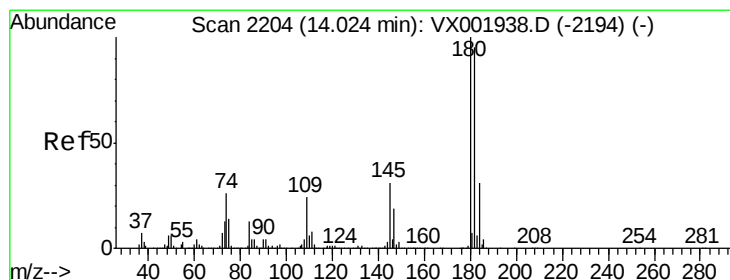
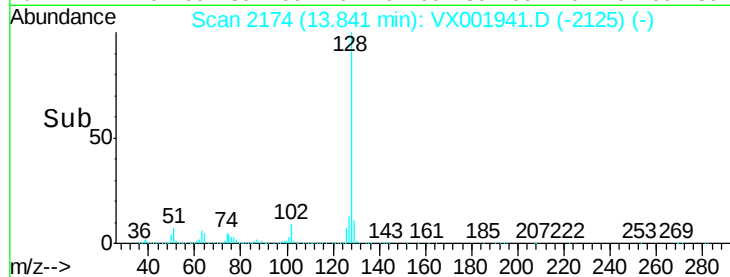
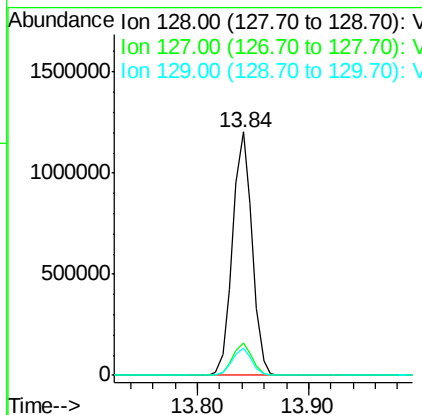
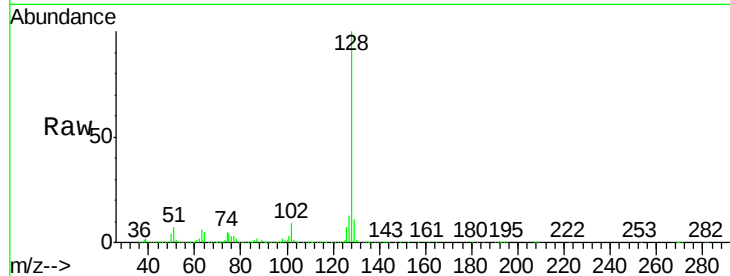
ClientSampleId :

ICVVX052418

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

Manual Integrations
APPROVED

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#96

1,2,3-Trichlorobenzene

Concen: 51.47 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX001941.D

Acq: 24 May 2018 13:29

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.9	143.6
145	30.5	15.1	45.3

