

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX073018\
 Data File : VX003731.D
 Acq On : 30 Jul 2018 18:31
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00G/5.0mL/MSVOA X/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICSVX073018

Manual Integrations
 APPROVED

MMDadoda
 8/1/2018 10:40:22 AM

Quant Time: Jul 31 11:38:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 11:17:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	124375	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	185075	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	167685	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	95536	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	64445	51.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.46%	
35) Dibromofluoromethane	5.50	113	57454	52.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.44%	
50) Toluene-d8	8.72	98	234920	51.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.40%	
62) 4-Bromofluorobenzene	11.14	95	85792	51.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	48321	46.03	ug/l	99
3) Chloromethane	1.32	50	64566	48.93	ug/l	100
4) Vinyl Chloride	1.40	62	65811	46.36	ug/l #	88
5) Bromomethane	1.63	94	42706	55.39	ug/l	99
6) Chloroethane	1.71	64	41070	43.75	ug/l	100
7) Trichlorofluoromethane	1.92	101	89248	47.95	ug/l	94
8) Diethyl Ether	2.18	74	36324	51.64	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	57212	48.45	ug/l	99
10) Methyl Iodide	2.51	142	70753	52.12	ug/l	100
11) Tert butyl alcohol	3.08	59	48367	237.46	ug/l	99
12) 1,1-Dichloroethene	2.37	96	53729	48.33	ug/l	95
13) Acrolein	2.29	56	10605	159.14	ug/l	92
14) Allyl chloride	2.72	41	99101	50.29	ug/l	99
15) Acrylonitrile	3.15	53	127390	245.93	ug/l	100
16) Acetone	2.45	43	118835	247.33	ug/l	100
17) Carbon Disulfide	2.56	76	172604	47.72	ug/l	100
18) Methyl Acetate	2.78	43	60155	44.55	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	157363	52.00	ug/l	99
20) Methylene Chloride	2.85	84	65526	51.91	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	59322	48.70	ug/l	94
22) Diisopropyl ether	3.87	45	181126	50.91	ug/l	98
23) Vinyl Acetate	3.82	43	685703	267.25	ug/l	99
24) 1,1-Dichloroethane	3.70	63	104668	50.45	ug/l	96
25) 2-Butanone	4.70	43	180158	257.21	ug/l	94
26) 2,2-Dichloropropane	4.59	77	82913	50.74	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	66508	50.66	ug/l	99
28) Bromochloromethane	5.02	49	47445	50.98	ug/l	98
29) Tetrahydrofuran	5.15	42	108975	244.14	ug/l	99
30) Chloroform	5.21	83	103797	50.77	ug/l	98
31) Cyclohexane	5.57	56	97784	48.79	ug/l #	87
32) 1,1,1-Trichloroethane	5.50	97	89595	50.99	ug/l	99
36) 1,1-Dichloropropene	5.80	75	84514	48.76	ug/l	99
37) Ethyl Acetate	4.85	43	65683	49.33	ug/l	99
38) Carbon Tetrachloride	5.78	117	78338	48.86	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	105306	49.49	ug/l	96
40) Benzene	6.14	78	254857	51.31	ug/l	98
41) Methacrylonitrile	5.06	41	37266	49.66	ug/l	100
42) 1,2-Dichloroethane	6.20	62	75226	50.15	ug/l	99
43) Isopropyl Acetate	6.46	43	106864	50.38	ug/l	98
44) Trichloroethene	7.21	130	68921	48.64	ug/l	96
45) 1,2-Dichloropropane	7.52	63	62086	50.83	ug/l	98
46) Dibromomethane	7.67	93	35993	51.14	ug/l	97
47) Bromodichloromethane	7.90	83	73572	52.45	ug/l	99
48) Methyl methacrylate	7.78	41	54220	50.96	ug/l	100
49) 1,4-Dioxane	7.75	88	20700	963.86	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	330000	253.13	ug/l	100
52) Toluene	8.79	92	155201	50.09	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	84960	53.03	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	95200	53.31	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	54858	51.45	ug/l	97
56) Ethyl methacrylate	9.18	69	78620	53.68	ug/l	99
57) 1,3-Dichloropropane	9.37	76	92188	51.50	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	197333	252.30	ug/l	100
59) 2-Hexanone	9.50	43	250228	251.95	ug/l	100
60) Dibromochloromethane	9.59	129	56615	52.72	ug/l	100
61) 1,2-Dibromoethane	9.68	107	55932	51.38	ug/l	99
64) Tetrachloroethene	9.34	164	63529	48.20	ug/l	96
65) Chlorobenzene	10.14	112	175531	50.09	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	59659	52.21	ug/l	100
67) Ethyl Benzene	10.26	91	300497	50.79	ug/l	100
68) m/p-Xylenes	10.36	106	234766	101.43	ug/l	99
69) o-Xylene	10.70	106	110716	51.52	ug/l	99
70) Styrene	10.71	104	189751	52.48	ug/l	100
71) Bromoform	10.86	173	42148	53.64	ug/l #	97
73) Isopropylbenzene	11.02	105	303544	50.75	ug/l	100
74) N-amyl acetate	6.46	43	106864	50.41	ug/l #	57
75) 1,1,2,2-Tetrachloroethane	11.27	83	77570	49.89	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	66666m	50.63	ug/l	
77) Bromobenzene	11.26	156	80052	51.34	ug/l	99
78) n-propylbenzene	11.36	91	362918	50.09	ug/l	100
79) 2-Chlorotoluene	11.42	91	205626	49.99	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	259810	50.89	ug/l #	67
81) trans-1,4-Dichloro-2-buten	11.08	75	23781	53.49	ug/l	99
82) 4-Chlorotoluene	11.51	91	247127	49.53	ug/l	99
83) tert-Butylbenzene	11.77	119	259886	51.47	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	267554	50.92	ug/l	100
85) sec-Butylbenzene	11.95	105	323077	50.01	ug/l	100
86) p-Isopropyltoluene	12.07	119	294575	50.17	ug/l #	69
87) 1,3-Dichlorobenzene	12.03	146	156321	49.56	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	157697	49.00	ug/l	100
89) n-Butylbenzene	12.39	91	279962	50.10	ug/l	99
90) Hexachloroethane	12.60	117	44644	51.21	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	147463	50.20	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	15531	50.34	ug/l	99

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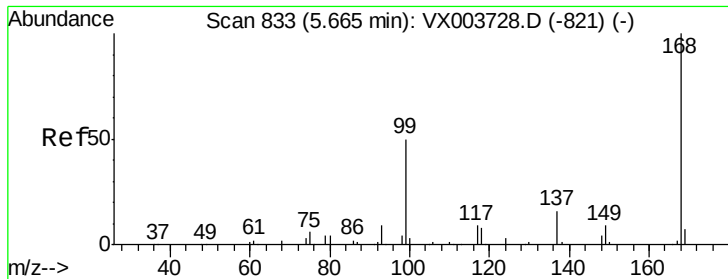
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	120098	51.54	ug/l	100
94) Hexachlorobutadiene	13.79	225	73110	49.06	ug/l	99
95) Naphthalene	13.83	128	270495	54.32	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	110507	52.24	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. 0.00 min

Lab File: VX003731.D

Acq: 30 Jul 2018 18:31

Instrument :

MSVOA_X

ClientSampled :

ICVVX073018

Tot Ion:168 Resp: 124375

Ion Ratio Lower Upper

168 100

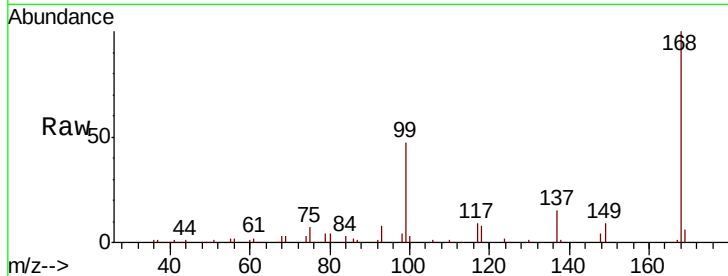
99 47.0 40.2 60.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

40000

30000

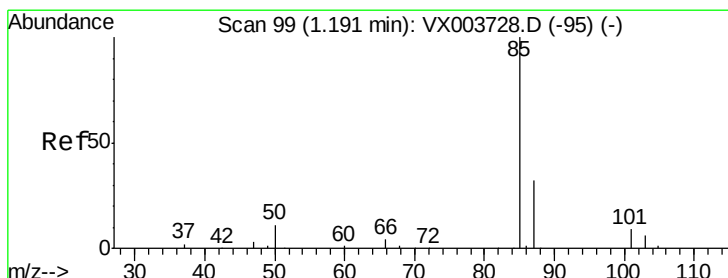
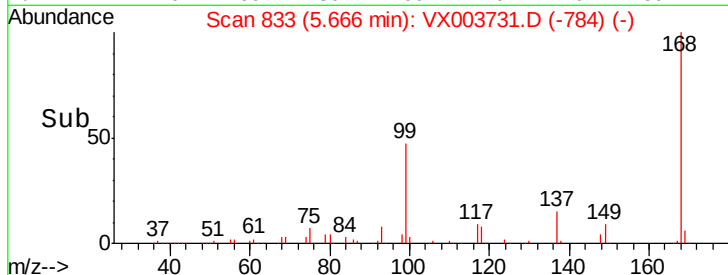
20000

10000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 46.03 ug/l

RT: 1.19 min Scan# 99

Delta R.T. 0.00 min

Lab File: VX003731.D

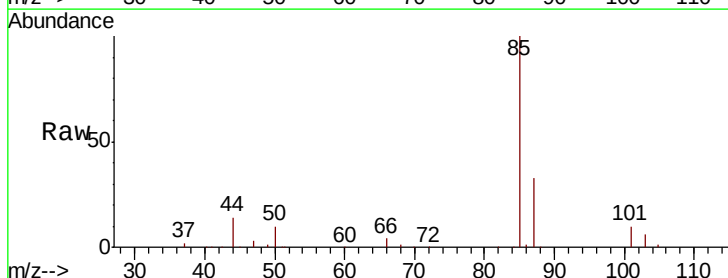
Acq: 30 Jul 2018 18:31

Tgt Ion: 85 Resp: 48321

Ion Ratio Lower Upper

85 100

87 32.6 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

40000

30000

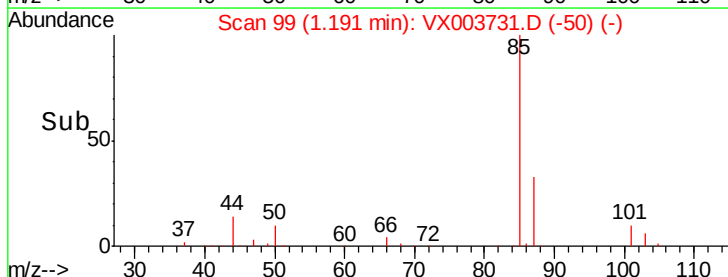
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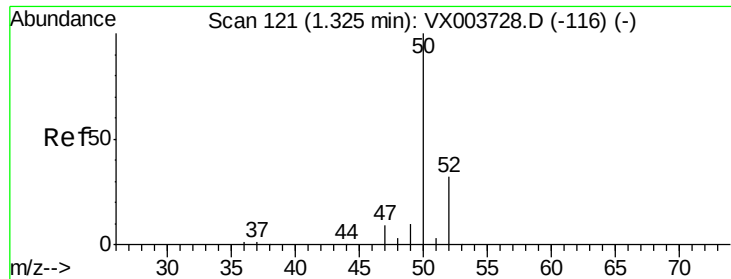
10000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 48.93 ug/l

RT: 1.32 min Scan# 120

Delta R.T. -0.01 min

Lab File: VX003731.D

Acq: 30 Jul 2018 18:31

Instrument :

MSVOA_X

ClientSampleId :

ICVVX073018

Tot Ion: 50 Resp: 64566

Ion Ratio Lower Upper

50 100

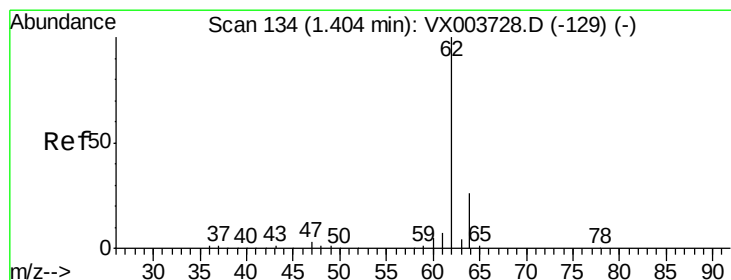
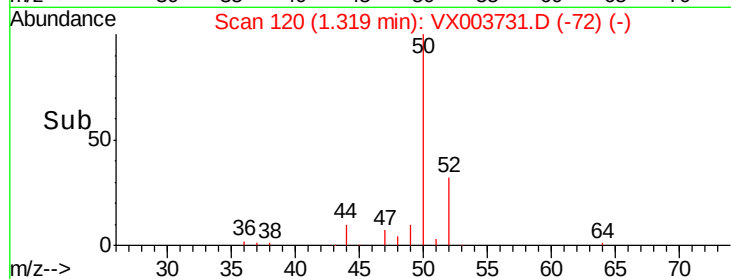
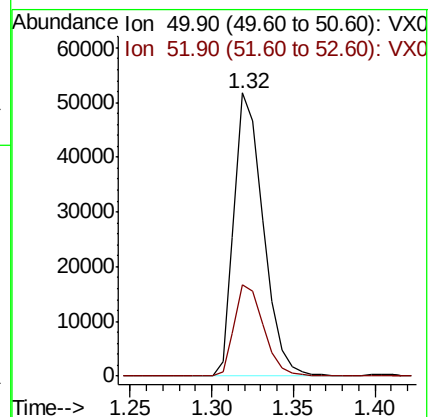
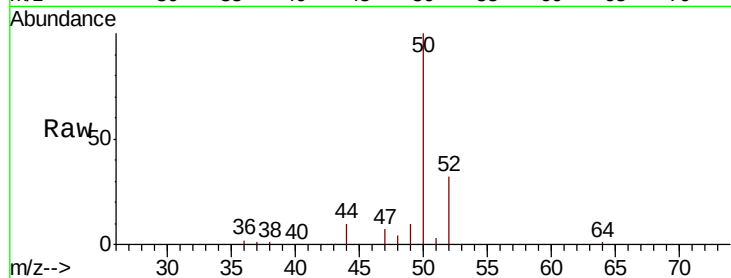
52 32.5 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 46.36 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003731.D

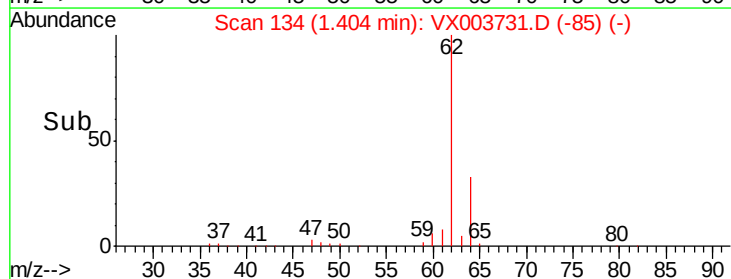
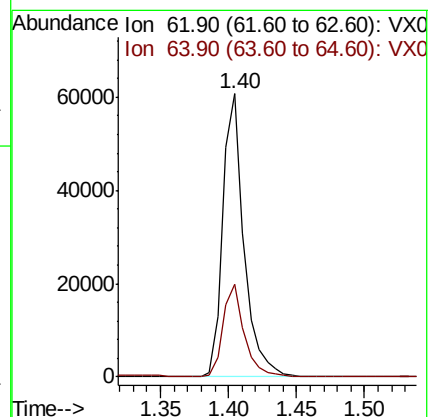
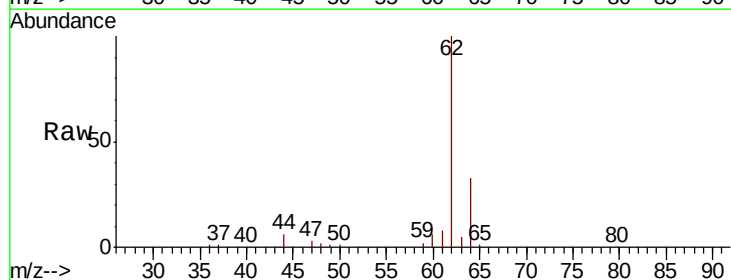
Acq: 30 Jul 2018 18:31

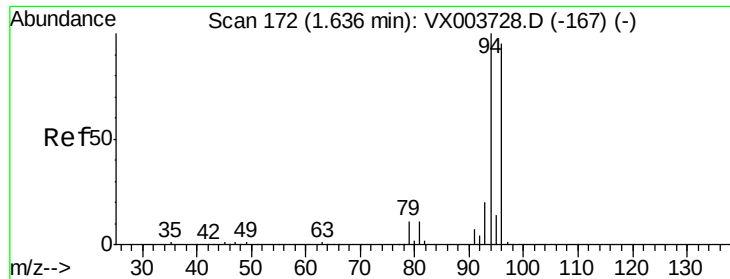
Tgt Ion: 62 Resp: 65811

Ion Ratio Lower Upper

62 100

64 32.5 21.0 31.4#





#5

Bromomethane

Concen: 55.39 ug/l

RT: 1.63 min Scan# 171

Delta R.T. -0.01 min

Lab File: VX003731.D

Acq: 30 Jul 2018 18:31

Instrument :

MSVOA_X

ClientSampleId :

ICVVX073018

Tot Ion: 94 Resp: 42706

Ion Ratio Lower Upper

94 100

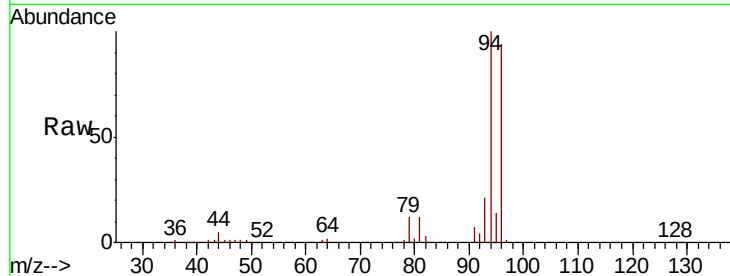
96 94.4 76.0 114.0

Manual Integrations

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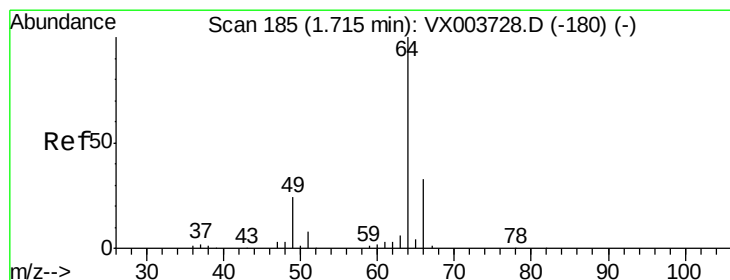
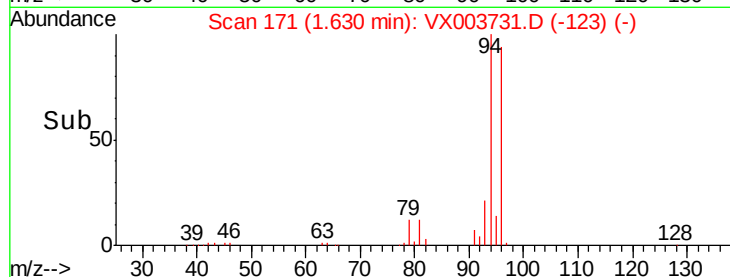
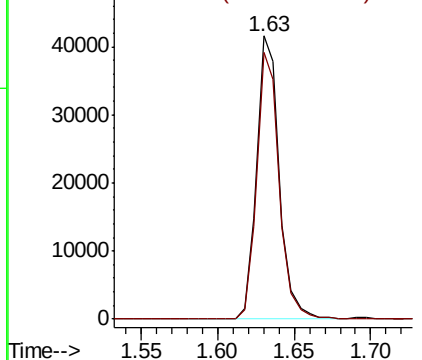
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 43.75 ug/l

RT: 1.71 min Scan# 184

Delta R.T. -0.00 min

Lab File: VX003731.D

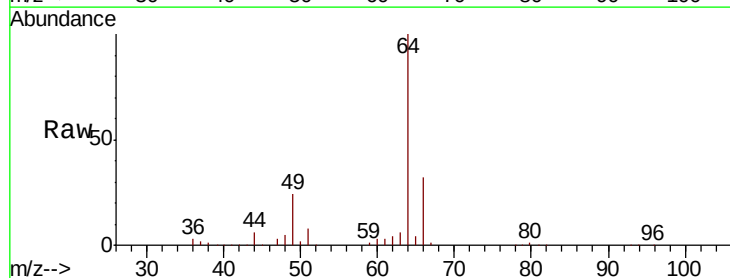
Acq: 30 Jul 2018 18:31

Tgt Ion: 64 Resp: 41070

Ion Ratio Lower Upper

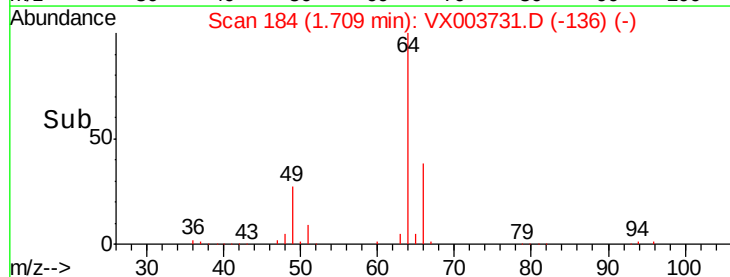
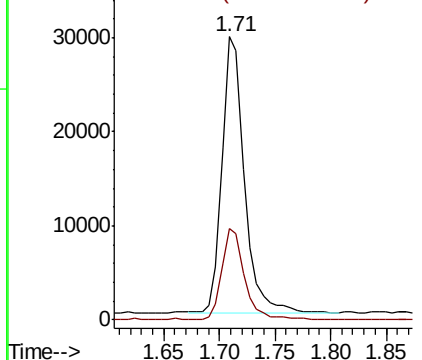
64 100

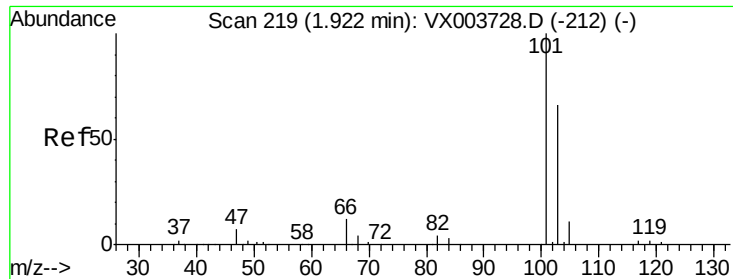
66 32.9 26.4 39.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

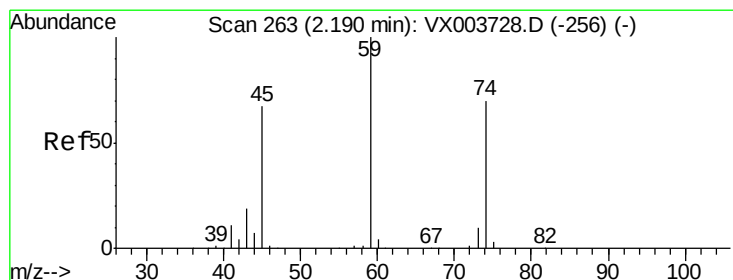
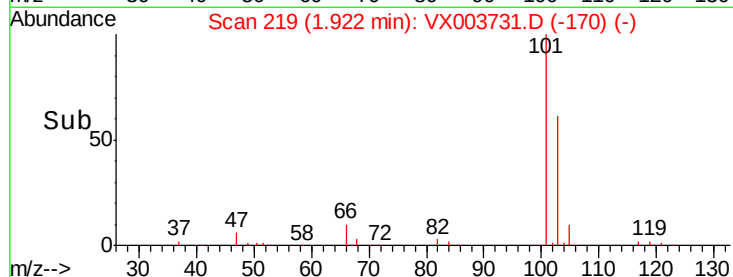
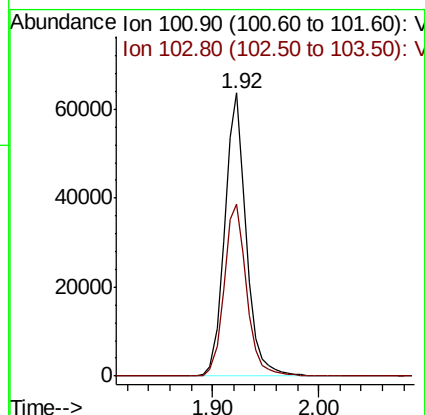
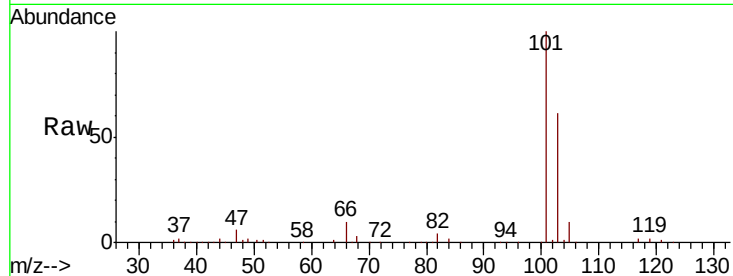
Trichlorofluoromethane
Concen: 47.95 ug/l
RT: 1.92 min Scan# 219
Delta R.T. 0.00 min
Lab File: VX003731.D
Acq: 30 Jul 2018 18:31

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ClientSampleId :
ICVVX073018

Tot Ion:101 Resp: 89248
Ion Ratio Lower Upper
101 100
103 60.9 52.6 78.8

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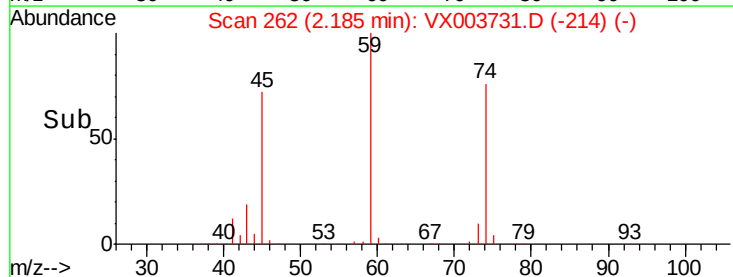
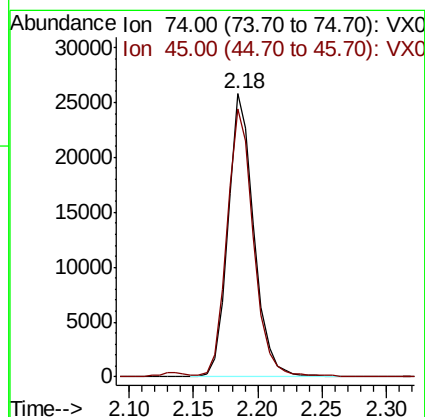
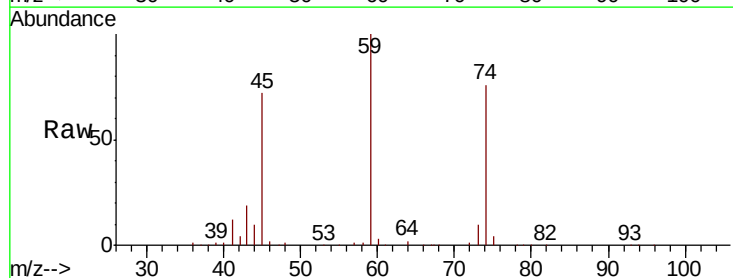
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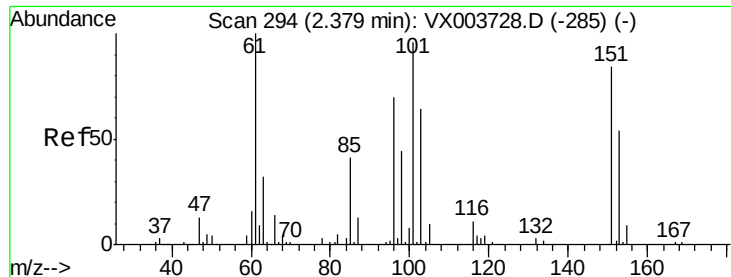


#8

Diethyl Ether
Concen: 51.64 ug/l
RT: 2.18 min Scan# 262
Delta R.T. -0.01 min
Lab File: VX003731.D
Acq: 30 Jul 2018 18:31

Tgt Ion: 74 Resp: 36324
Ion Ratio Lower Upper
74 100
45 97.9 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.45 ug/l

RT: 2.37 min Scan# 293

Delta R.T. -0.01 min

Lab File: VX003731.D

Acq: 30 Jul 2018 18:31

Instrument :

MSVOA_X

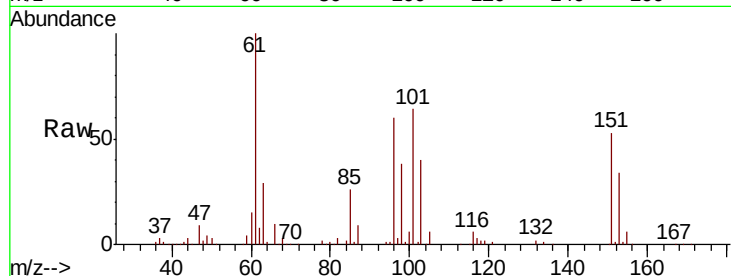
ClientSampleId :

ICVVX073018

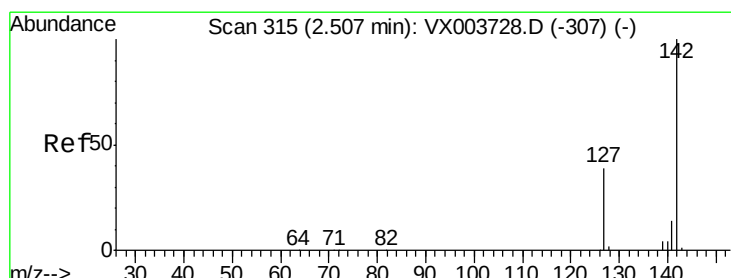
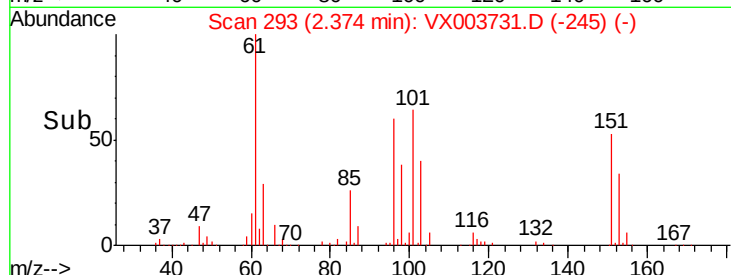
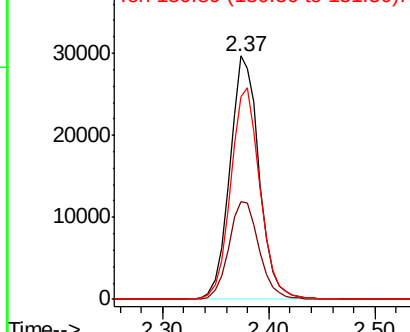
Tot Ion:	101	Resp:	57212
Ion Ratio	Lower	Upper	
101	100		
85	41.7	33.3	49.9
151	86.9	68.8	103.2

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 52.12 ug/l

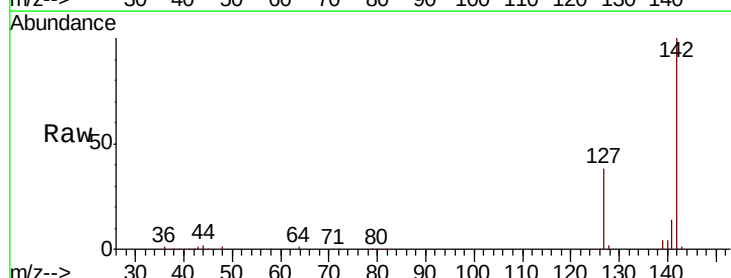
RT: 2.51 min Scan# 315

Delta R.T. 0.00 min

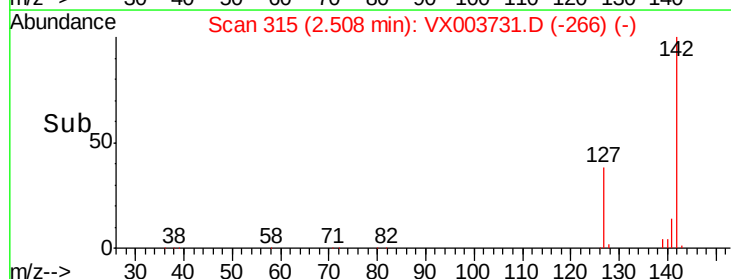
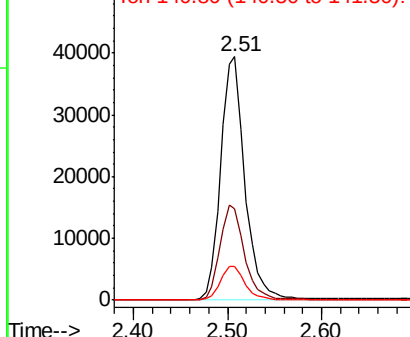
Lab File: VX003731.D

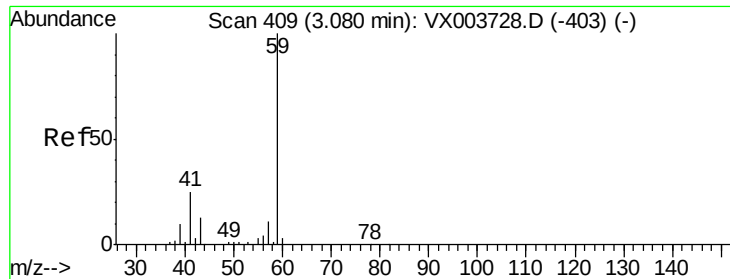
Acq: 30 Jul 2018 18:31

Tgt Ion:	142	Resp:	70753
Ion Ratio	Lower	Upper	
142	100		
127	39.7	32.0	48.0
141	14.0	11.3	16.9



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





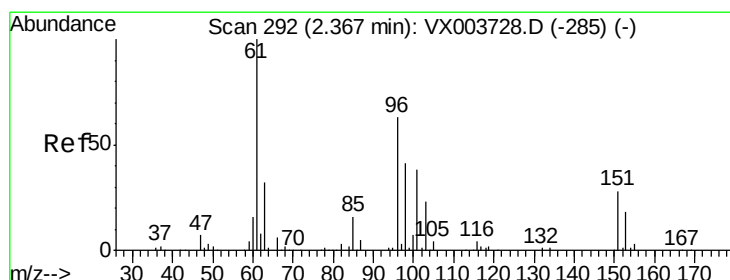
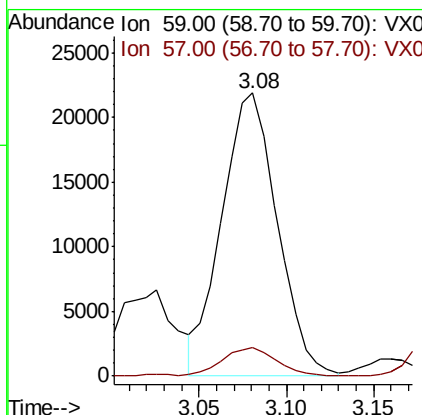
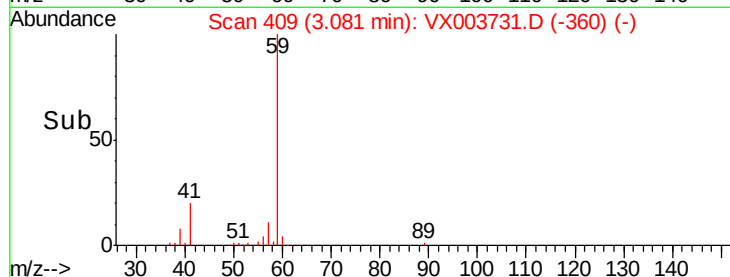
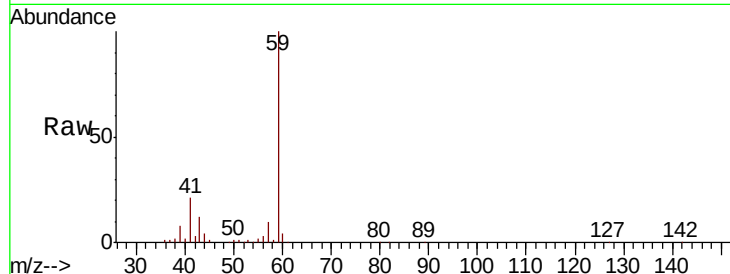
#11
Tert butyl alcohol
Concen: 237.46 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.00 min
Lab File: VX003731.D
Acq: 30 Jul 2018 18:31

Instrument :
MSVOA_X
ClientSampleId :
ICVVX073018

Tot Ion: 59 Resp: 48367
Ion Ratio Lower Upper
59 100
57 10.6 8.1 12.1

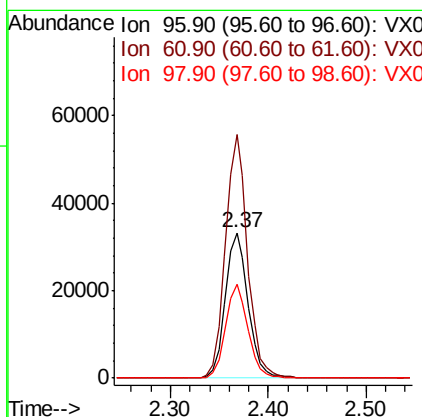
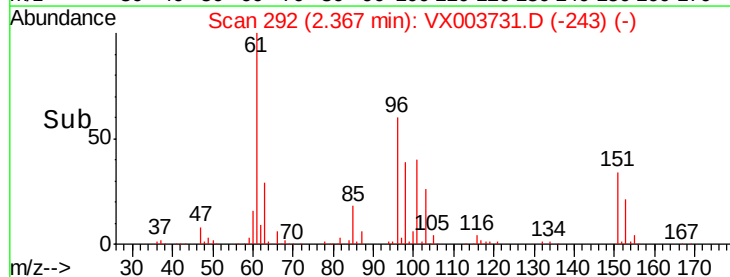
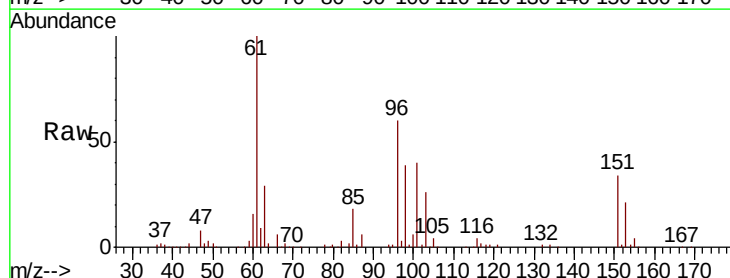
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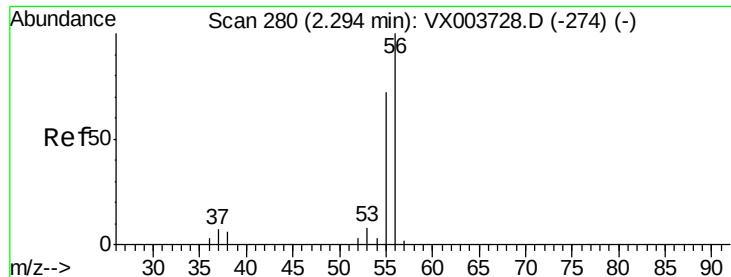
MMDadoda
8/1/2018 10:40:22 AM



#12
1,1-Dichloroethene
Concen: 48.33 ug/l
RT: 2.37 min Scan# 292
Delta R.T. 0.00 min
Lab File: VX003731.D
Acq: 30 Jul 2018 18:31

Tgt Ion: 96 Resp: 53729
Ion Ratio Lower Upper
96 100
61 167.5 127.1 190.7
98 64.9 52.0 78.0





#13

Acrolein

Concen: 159.14 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003731.D

Acq: 30 Jul 2018 18:31

Instrument :

MSVOA_X

ClientSampleId :

ICVVX073018

Tot Ion: 56 Resp: 10605

Ion Ratio Lower Upper

56 100

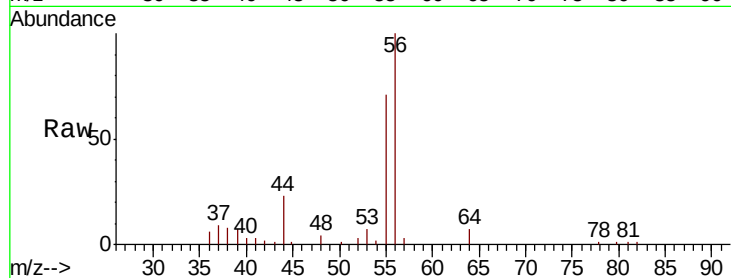
55 70.1 61.4 92.0

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

8000

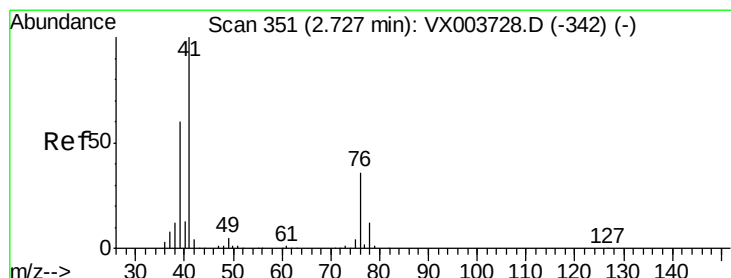
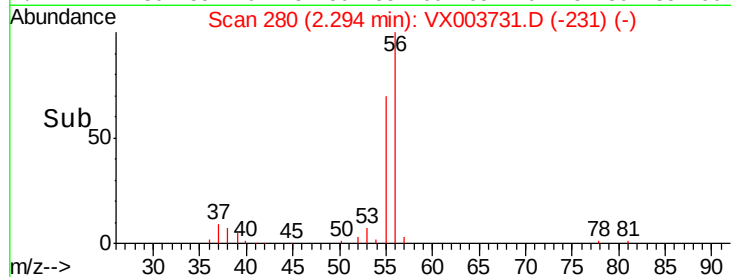
6000

4000

2000

0

Time--> 2.20 2.25 2.30 2.35 2.40



#14

Allyl chloride

Concen: 50.29 ug/l

RT: 2.72 min Scan# 350

Delta R.T. -0.01 min

Lab File: VX003731.D

Acq: 30 Jul 2018 18:31

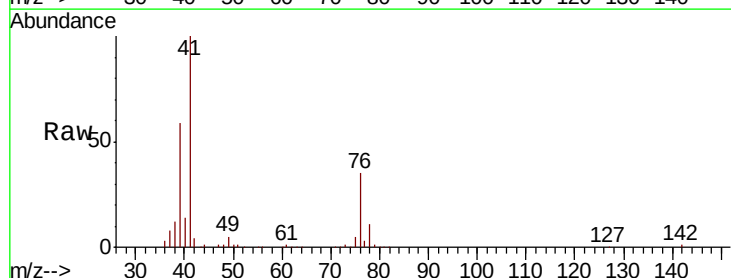
Tgt Ion: 41 Resp: 99101

Ion Ratio Lower Upper

41 100

39 58.2 47.7 71.5

76 33.8 27.0 40.6



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

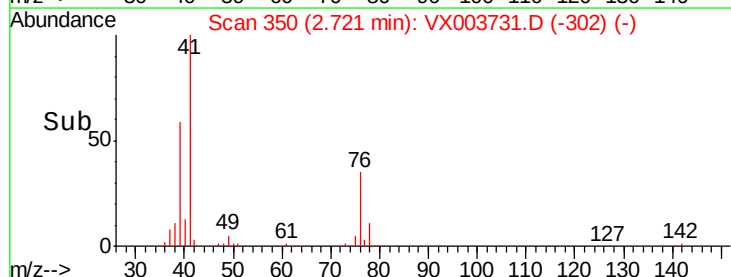
60000

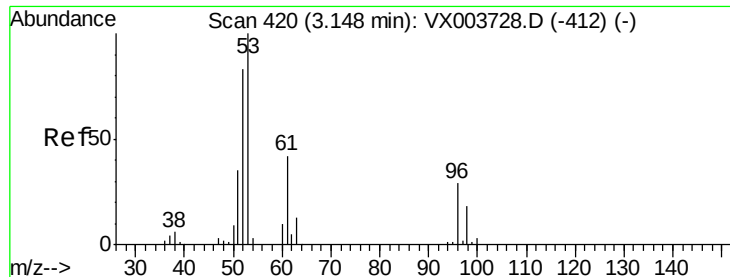
40000

20000

0

Time--> 2.60 2.70 2.80





#15

Acrylonitrile

Concen: 245.93 ug/l

RT: 3.15 min Scan# 420

Delta R.T. 0.00 min

Lab File: VX003731.D

Acq: 30 Jul 2018 18:31

Instrument :

MSVOA_X

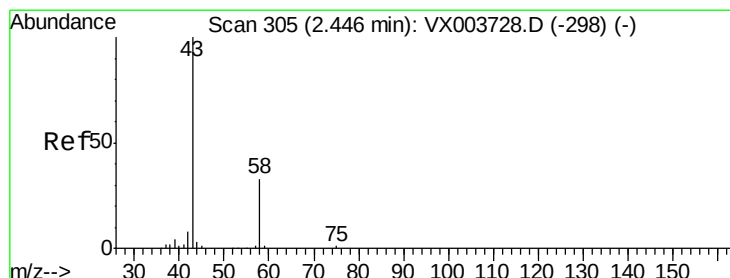
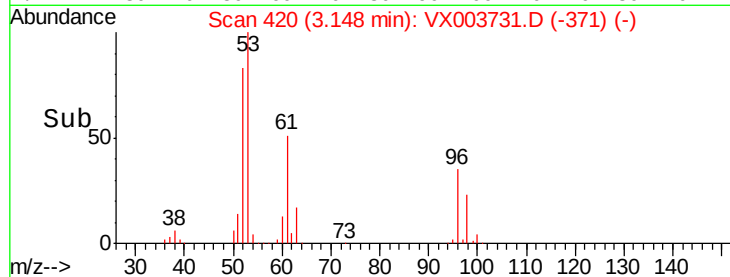
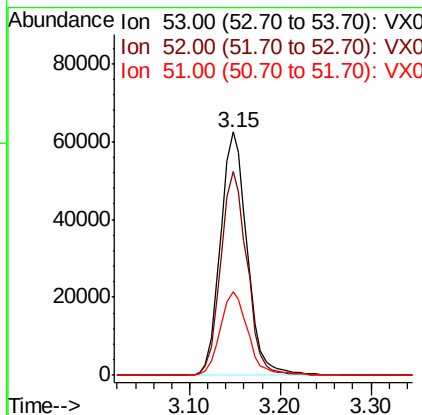
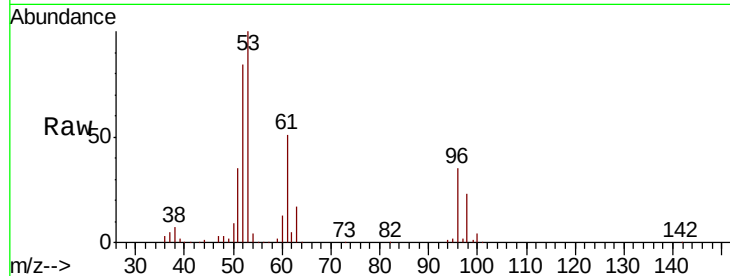
ClientSampleId :

ICVVX073018

Tot Ion:	53	Resp:	127390
Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.2	99.2
51	35.9	28.5	42.7

Manual Integrations
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#16

Acetone

Concen: 247.33 ug/l

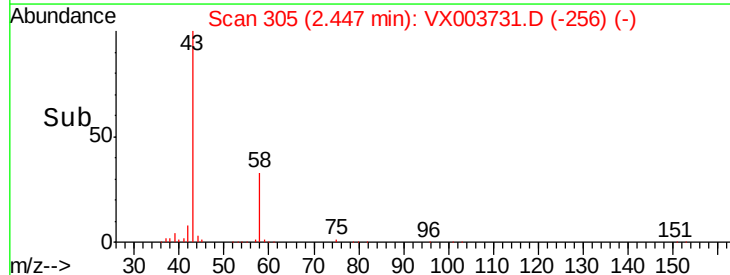
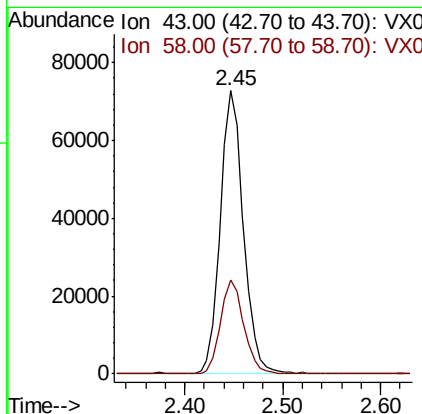
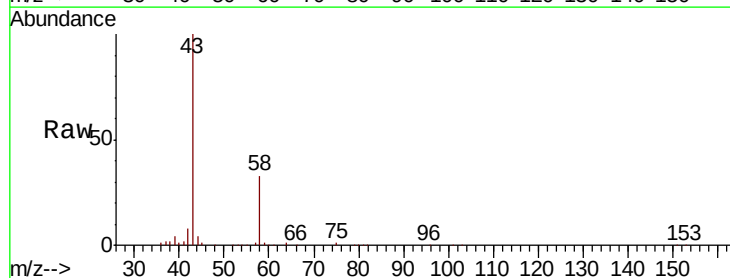
RT: 2.45 min Scan# 305

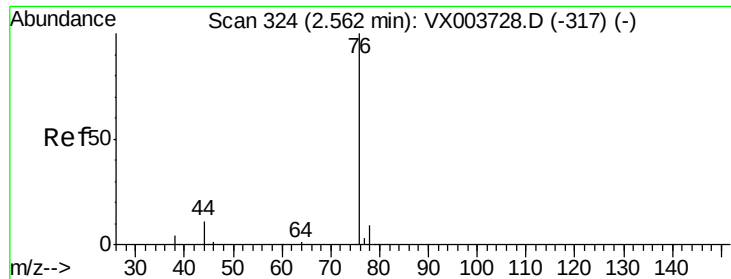
Delta R.T. 0.00 min

Lab File: VX003731.D

Acq: 30 Jul 2018 18:31

Tgt Ion:	43	Resp:	118835
Ion	Ratio	Lower	Upper
43	100		
58	33.2	26.7	40.1





#17

Carbon Disulfide

Concen: 47.72 ug/l

RT: 2.56 min Scan# 324

Delta R.T. 0.00 min

Lab File: VX003731.D

Acq: 30 Jul 2018 18:31

Instrument :

MSVOA_X

ClientSampled :

ICVVX073018

Tot Ion: 76 Resp: 172604

Ion Ratio Lower Upper

76 100

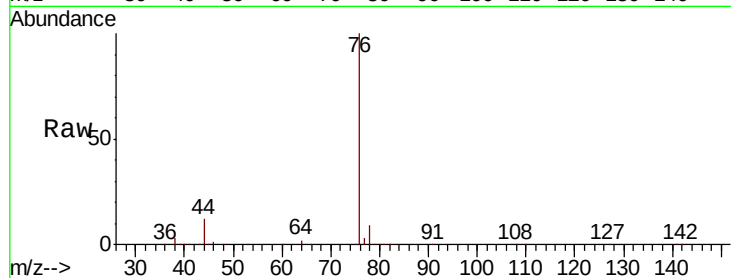
78 9.1 7.3 10.9

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

120000

100000

80000

60000

40000

20000

0

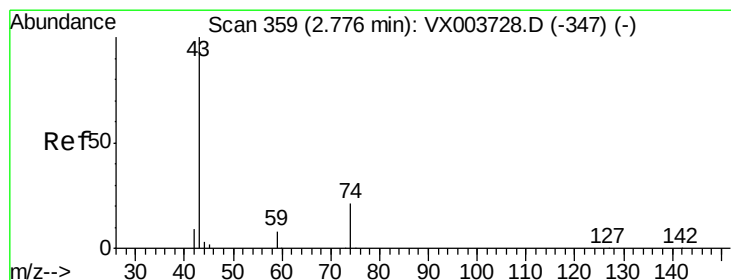
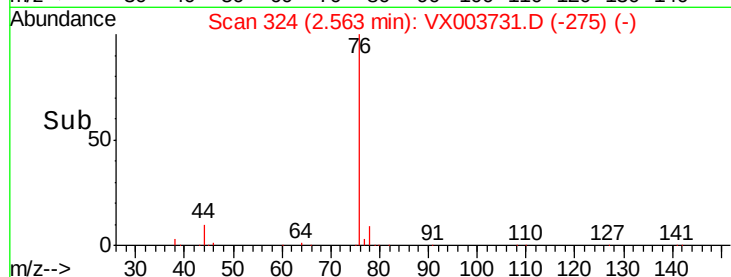
2.56

2.50

2.60

2.70

Time-->



#18

Methyl Acetate

Concen: 44.55 ug/l

RT: 2.78 min Scan# 359

Delta R.T. 0.00 min

Lab File: VX003731.D

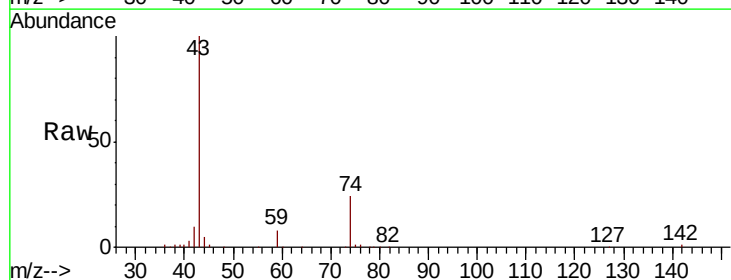
Acq: 30 Jul 2018 18:31

Tgt Ion: 43 Resp: 60155

Ion Ratio Lower Upper

43 100

74 23.3 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

40000

30000

20000

10000

0

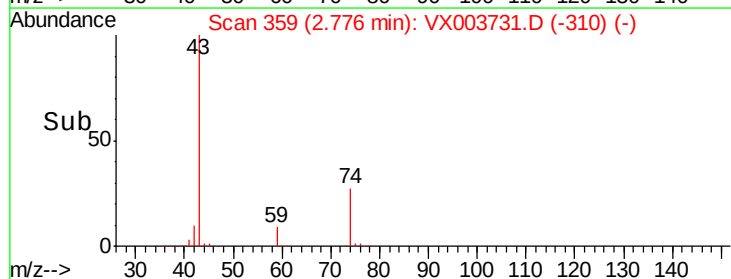
2.78

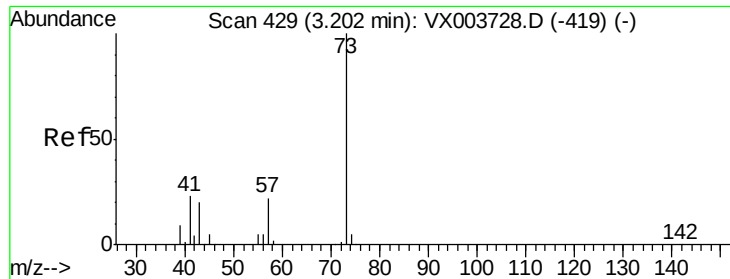
2.70

2.80

2.85

Time-->





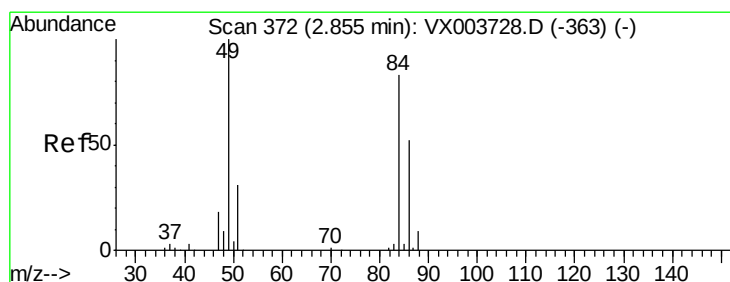
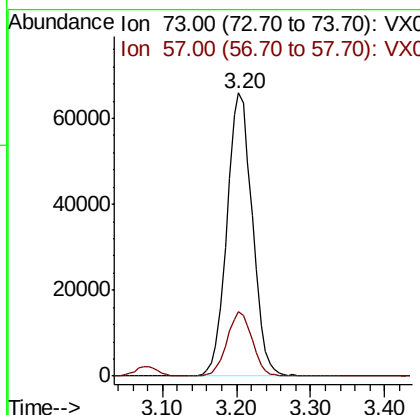
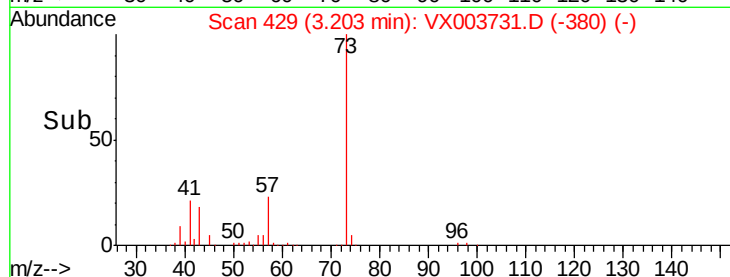
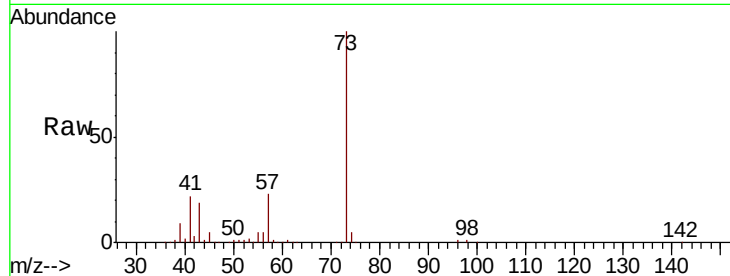
#19
Methyl tert-butyl Ether
Concen: 52.00 ug/l
RT: 3.20 min Scan# 429
Delta R.T. 0.00 min
Lab File: VX003731.D
Acq: 30 Jul 2018 18:31

Instrument :
MSVOA_X
ClientSampleId :
ICVVX073018

Tot Ion: 73 Resp: 157363
Ion Ratio Lower Upper
73 100
57 22.9 18.0 27.0

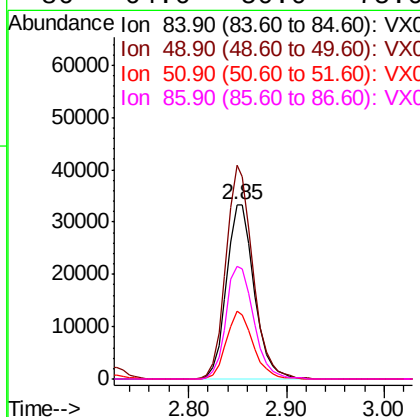
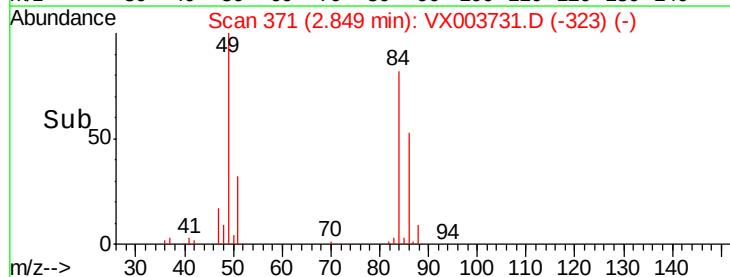
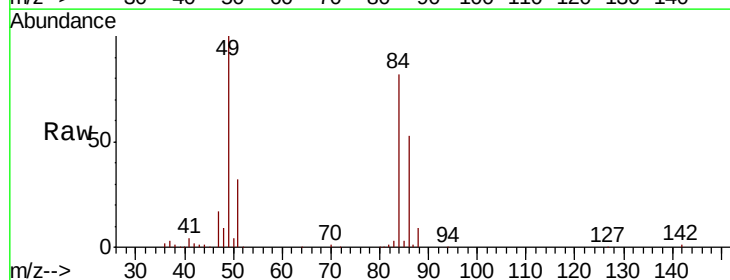
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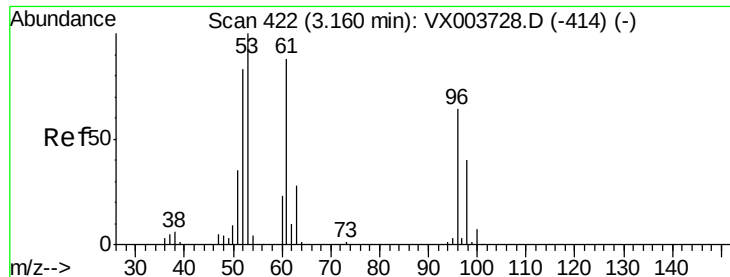
MMDadoda
8/1/2018 10:40:22 AM



#20
Methylene Chloride
Concen: 51.91 ug/l
RT: 2.85 min Scan# 371
Delta R.T. -0.00 min
Lab File: VX003731.D
Acq: 30 Jul 2018 18:31

Tgt Ion: 84 Resp: 65526
Ion Ratio Lower Upper
84 100
49 122.3 95.8 143.8
51 38.7 29.6 44.4
86 64.6 50.0 75.0





#21

trans-1,2-Dichloroethene

Concen: 48.70 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.00 min

Lab File: VX003731.D

Acq: 30 Jul 2018 18:31

Instrument :

MSVOA_X

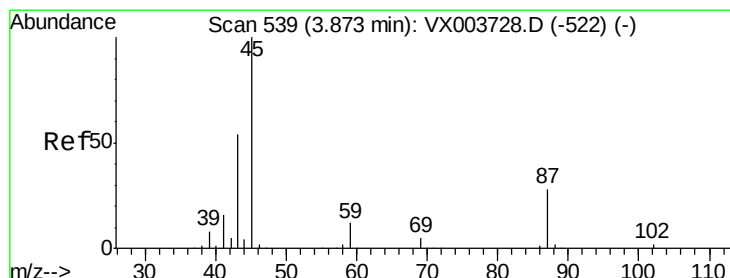
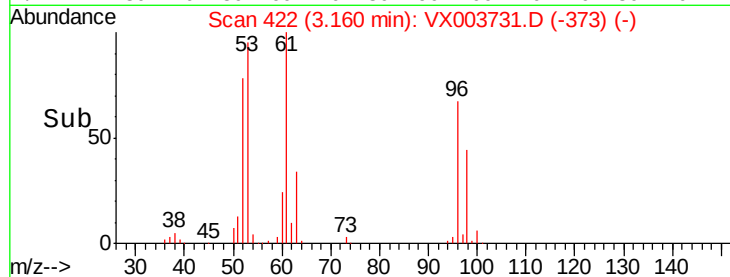
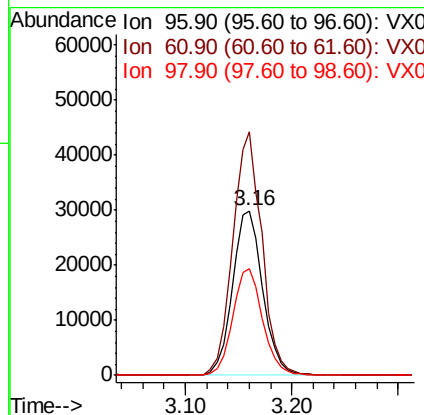
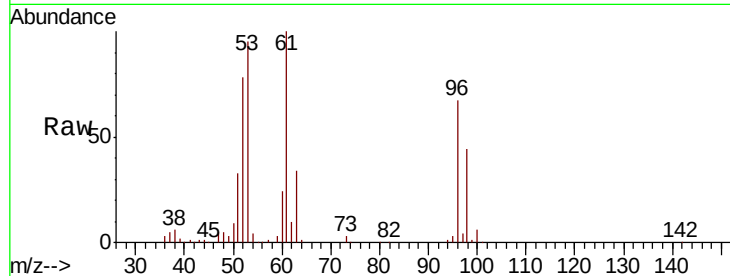
ClientSampleId :

ICVVX073018

Tot Ion:	96	Resp:	59322
Ion	Ratio	Lower	Upper
96	100		
61	148.2	110.9	166.3
98	65.0	50.2	75.4

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#22

Diisopropyl ether

Concen: 50.91 ug/l

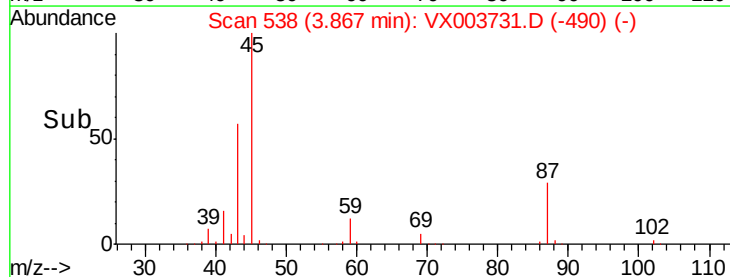
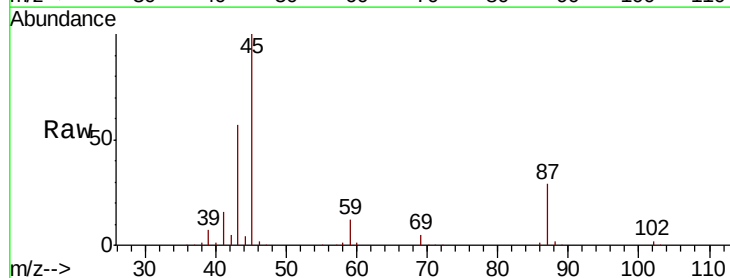
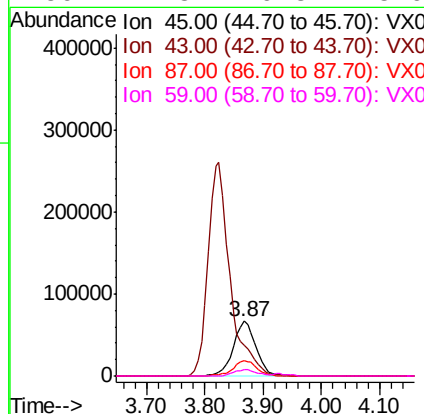
RT: 3.87 min Scan# 538

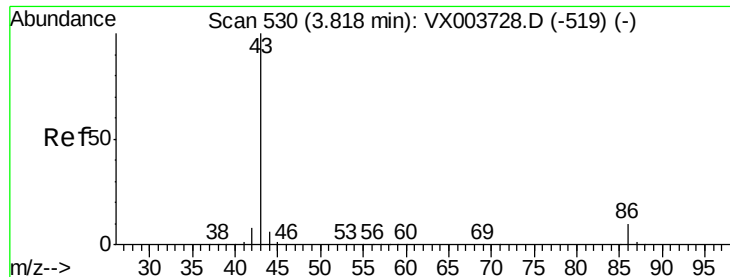
Delta R.T. -0.01 min

Lab File: VX003731.D

Acq: 30 Jul 2018 18:31

Tgt Ion:	45	Resp:	181126
Ion	Ratio	Lower	Upper
45	100		
43	57.2	43.5	65.3
87	28.5	22.6	33.8
59	11.8	9.3	13.9





#23

Vinyl Acetate

Concen: 267.25 ug/l

RT: 3.82 min Scan# 531

Delta R.T. 0.01 min

Lab File: VX003731.D

Acq: 30 Jul 2018 18:31

Instrument :

MSVOA_X

ClientSampleId :

ICVVX073018

Tot Ion: 43 Resp: 685703

Ion Ratio Lower Upper

43 100

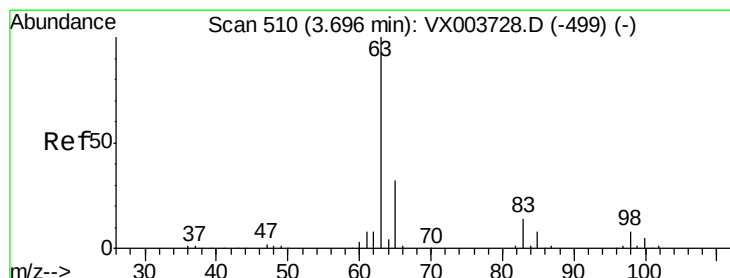
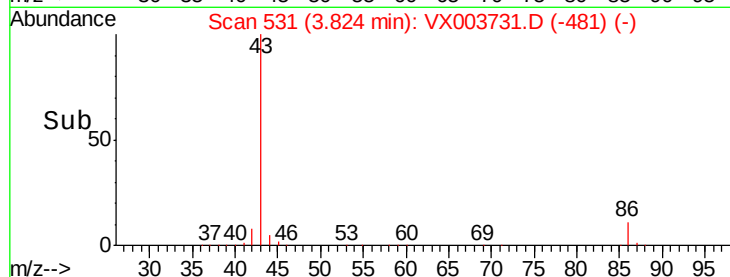
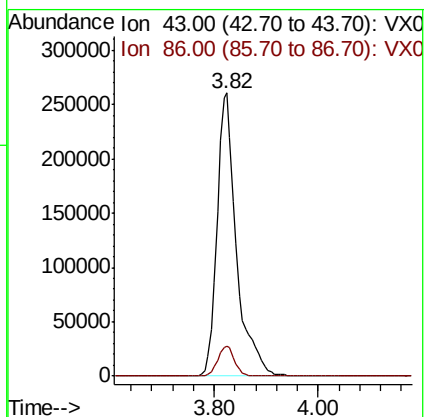
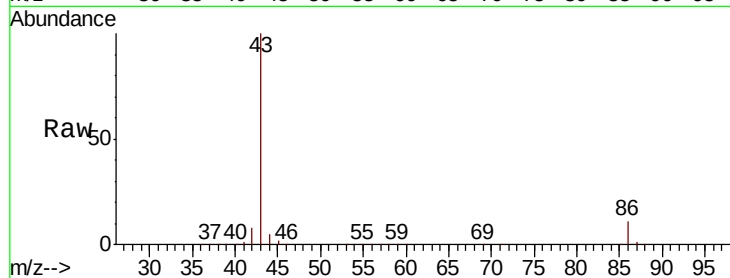
86 10.6 8.2 12.2

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#24

1,1-Dichloroethane

Concen: 50.45 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003731.D

Acq: 30 Jul 2018 18:31

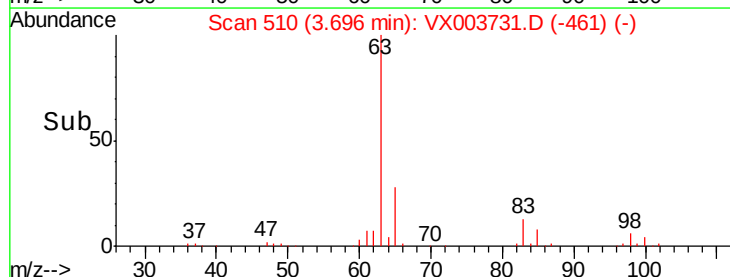
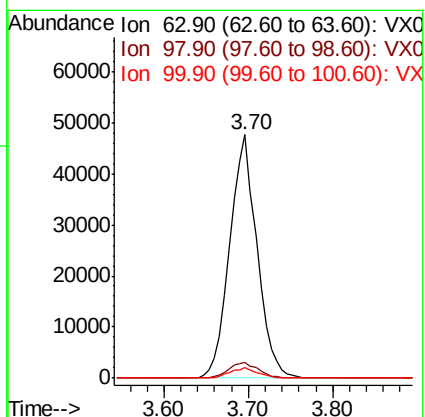
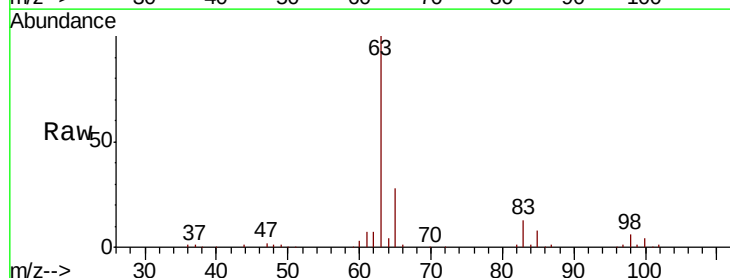
Tgt Ion: 63 Resp: 104668

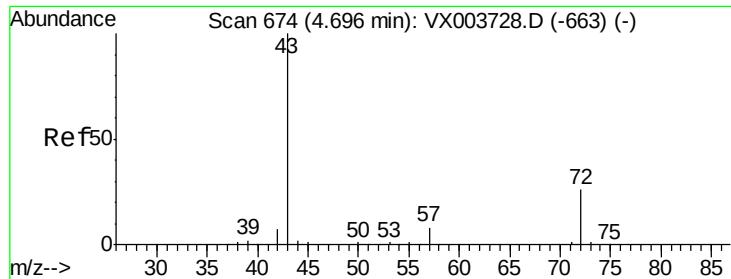
Ion Ratio Lower Upper

63 100

98 6.4 4.0 12.0

100 4.1 2.4 7.2





#25

2-Butanone

Concen: 257.21 ug/l

RT: 4.70 min Scan# 675

Delta R.T. 0.01 min

Lab File: VX003731.D

Acq: 30 Jul 2018 18:31

Instrument :

MSVOA_X

ClientSampleId :

ICVVX073018

Tot Ion: 43 Resp: 180158

Ion Ratio Lower Upper

43 100

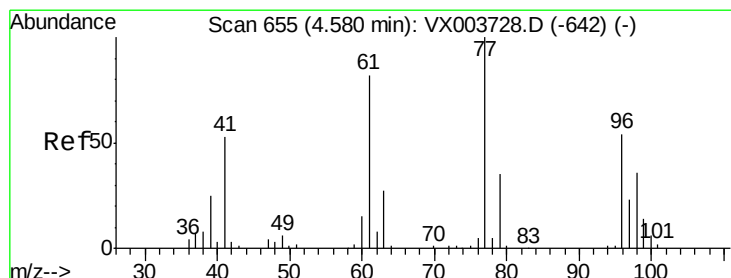
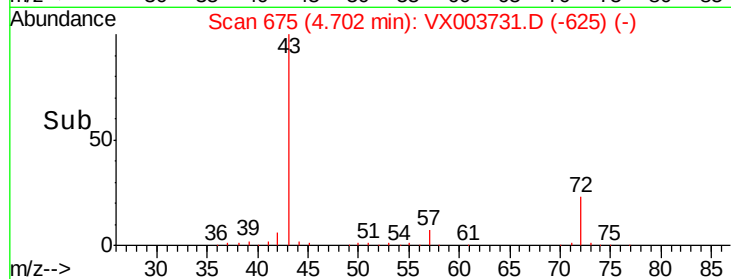
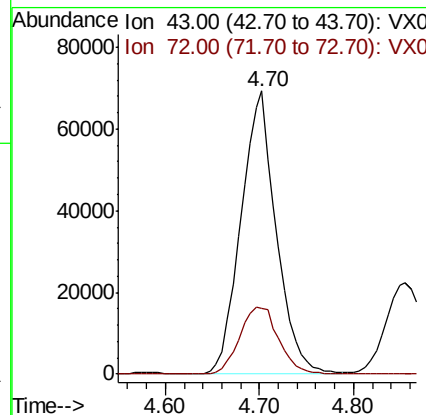
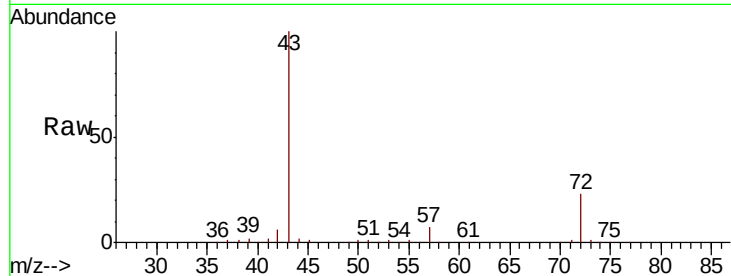
72 23.2 20.9 31.3

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 50.74 ug/l

RT: 4.59 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX003731.D

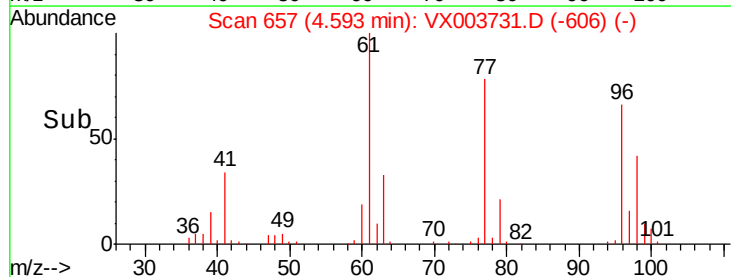
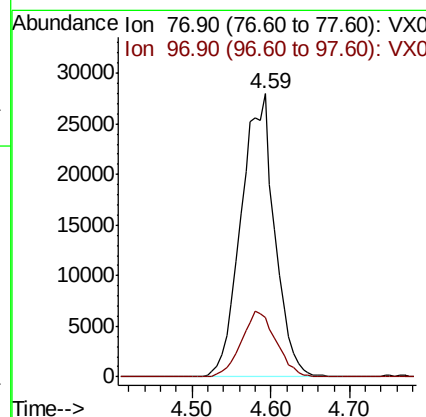
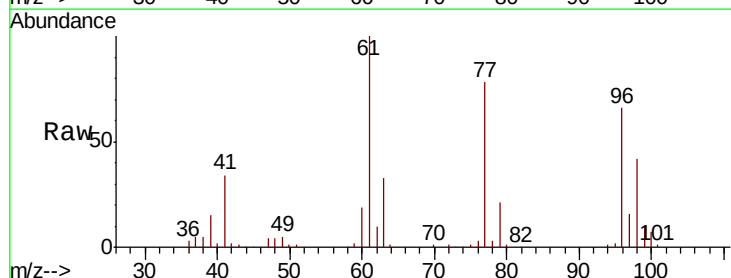
Acq: 30 Jul 2018 18:31

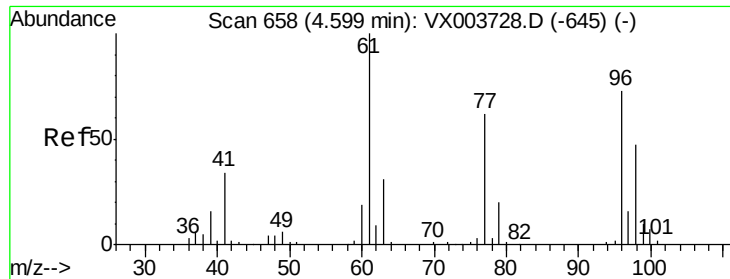
Tgt Ion: 77 Resp: 82913

Ion Ratio Lower Upper

77 100

97 23.8 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 50.66 ug/l

RT: 4.60 min Scan# 658

Delta R.T. 0.00 min

Lab File: VX003731.D

Acq: 30 Jul 2018 18:31

Instrument :

MSVOA_X

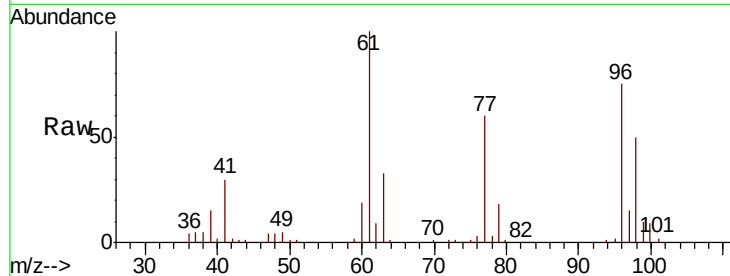
ClientSampleId :

ICVVX073018

Tot Ion:	96	Resp:	66508
Ion	Ratio	Lower	Upper
96	100		
61	144.1	0.0	285.6
98	64.9	0.0	131.0

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8/1/2018 10:40:22 AM

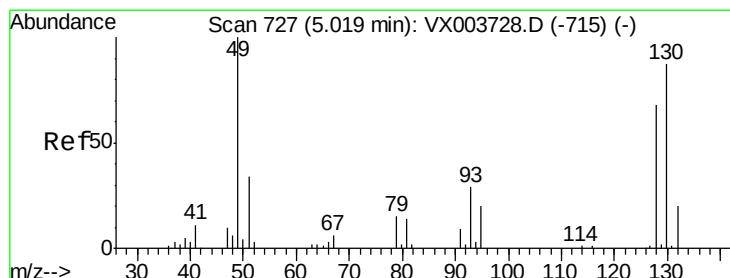
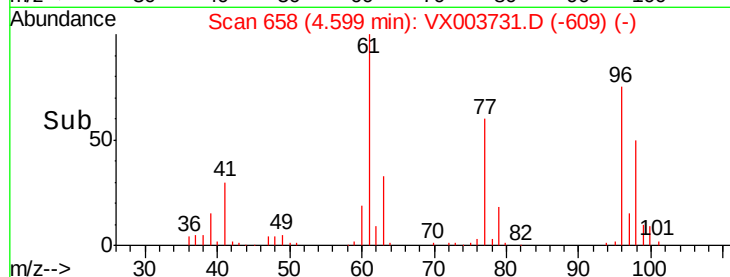
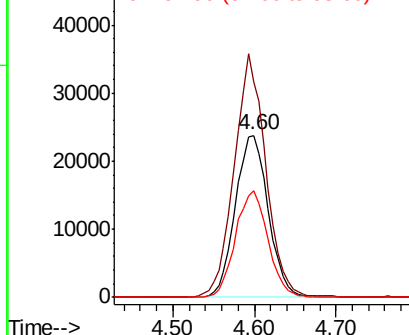


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane

Concen: 50.98 ug/l

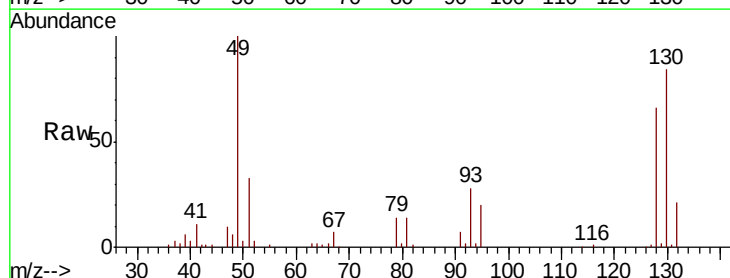
RT: 5.02 min Scan# 727

Delta R.T. 0.00 min

Lab File: VX003731.D

Acq: 30 Jul 2018 18:31

Tgt Ion:	49	Resp:	47445
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.0
130	84.3	68.9	103.3

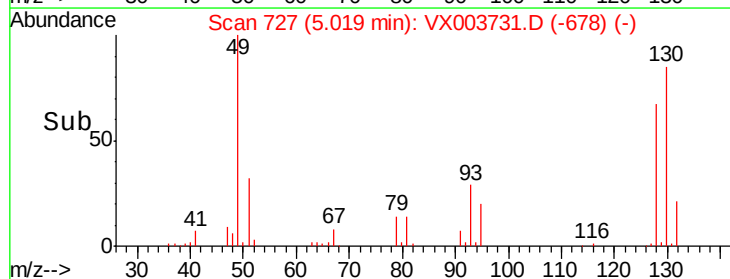
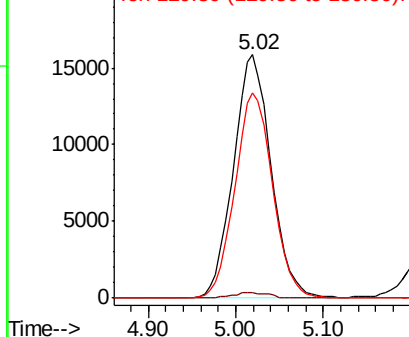


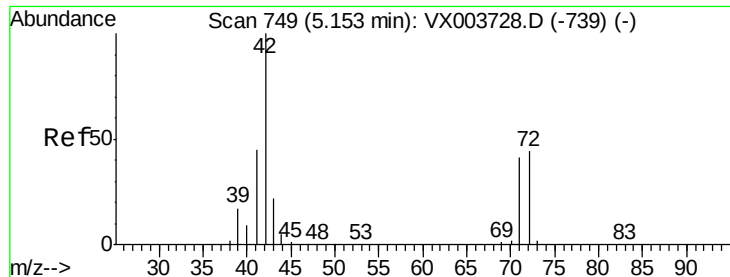
Abundance

Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





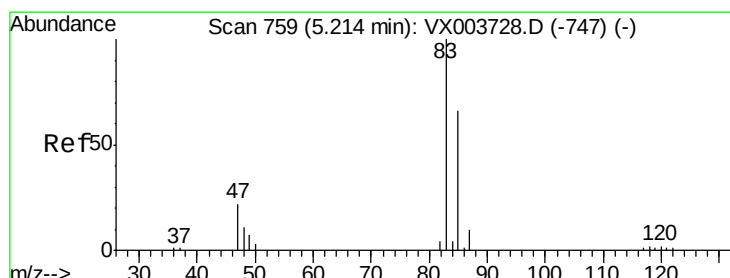
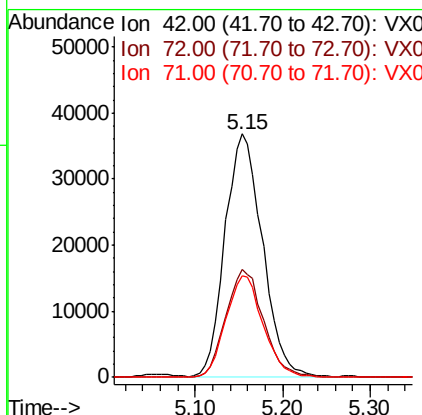
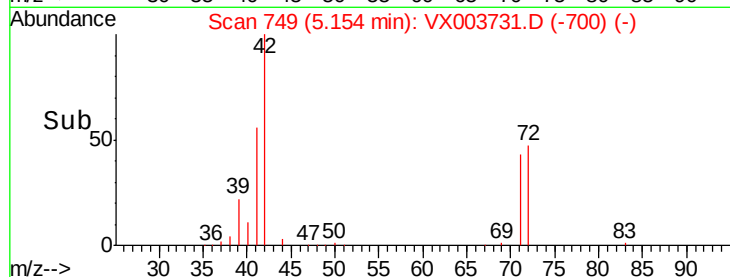
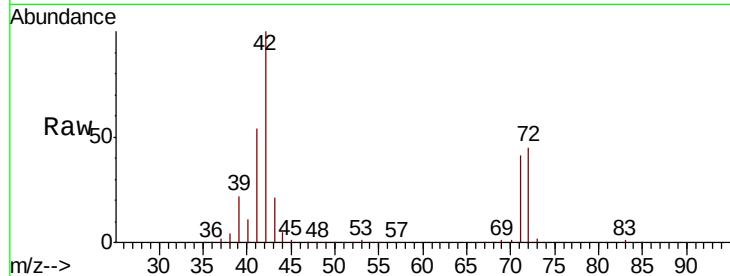
#29
Tetrahydrofuran
Concen: 244.14 ug/l
RT: 5.15 min Scan# 749
Delta R.T. 0.00 min
Lab File: VX003731.D
Acq: 30 Jul 2018 18:31

Instrument :
MSVOA_X
ClientSampleId :
ICVVX073018

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.1	35.6	53.4
71	41.8	33.4	50.0

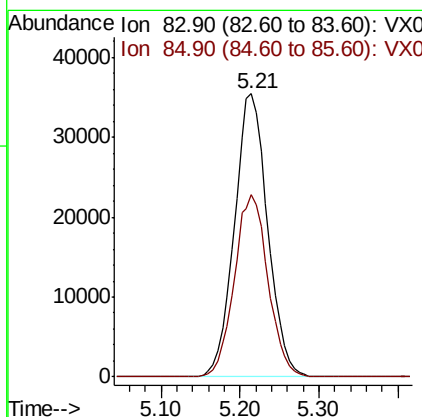
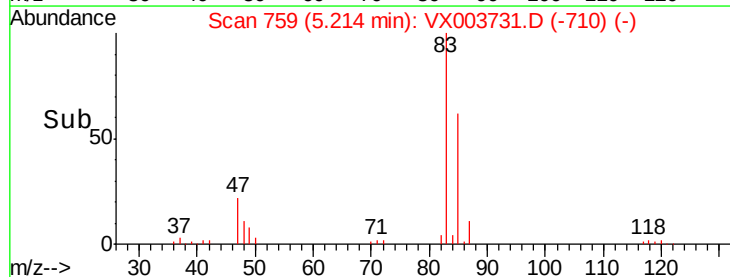
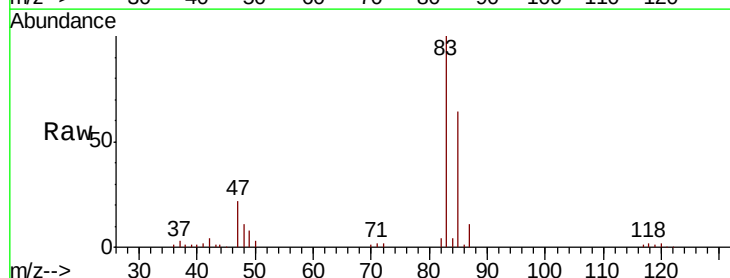
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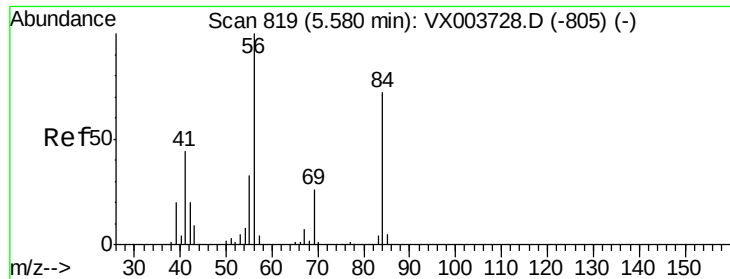
MMDadoda
8/1/2018 10:40:22 AM



#30
Chloroform
Concen: 50.77 ug/l
RT: 5.21 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX003731.D
Acq: 30 Jul 2018 18:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	52.8	79.2





#31

Cyclohexane

Concen: 48.79 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX003731.D

Acq: 30 Jul 2018 18:31

Instrument :

MSVOA_X

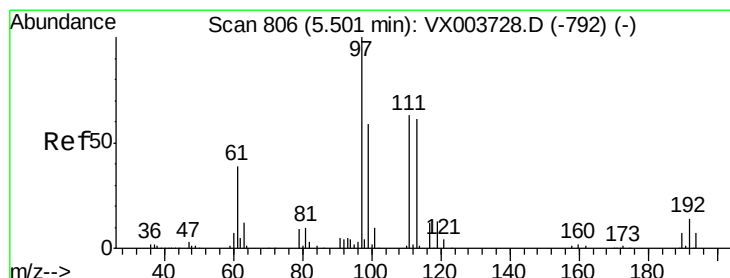
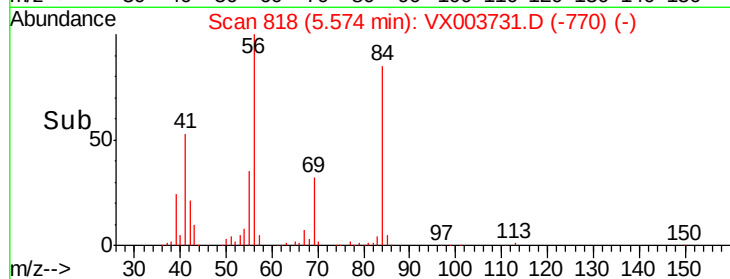
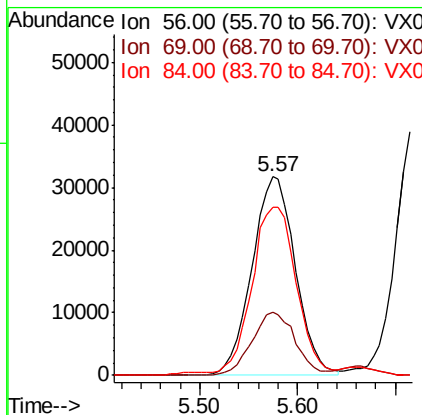
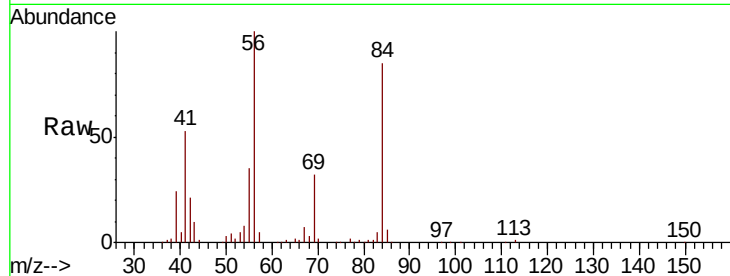
ClientSampled :

ICVVX073018

Tot Ion:	56	Resp:	97784
Ion Ratio	Lower	Upper	
56	100		
69	31.8	20.6	30.8#
84	83.6	57.9	86.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 50.99 ug/l

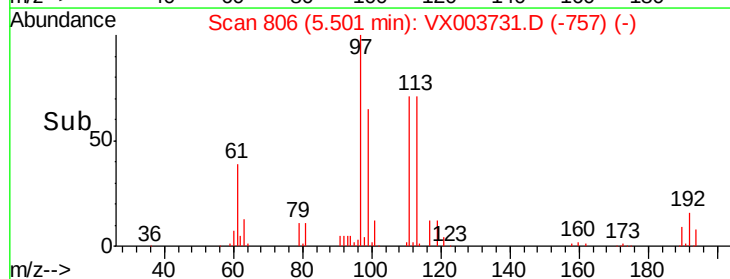
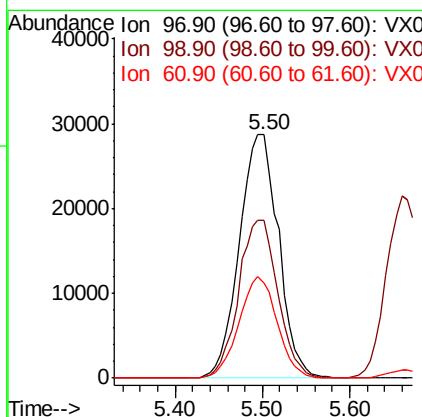
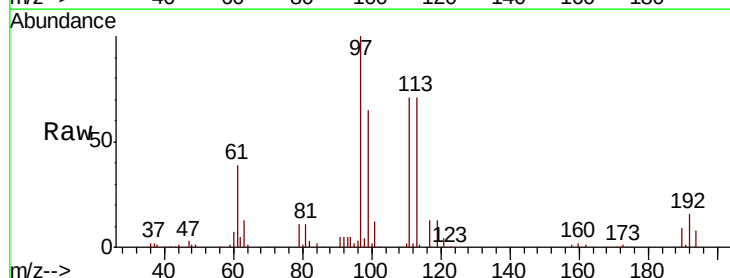
RT: 5.50 min Scan# 806

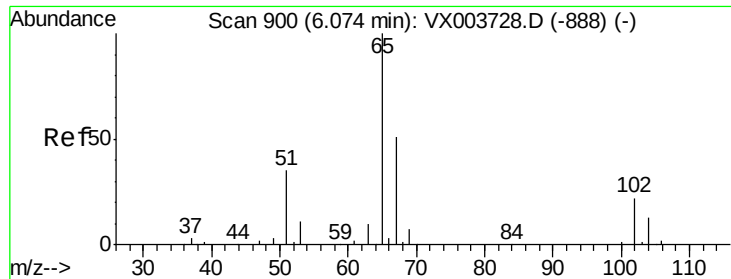
Delta R.T. 0.00 min

Lab File: VX003731.D

Acq: 30 Jul 2018 18:31

Tgt Ion:	97	Resp:	89595
Ion Ratio	Lower	Upper	
97	100		
99	64.8	51.4	77.2
61	40.8	33.4	50.2





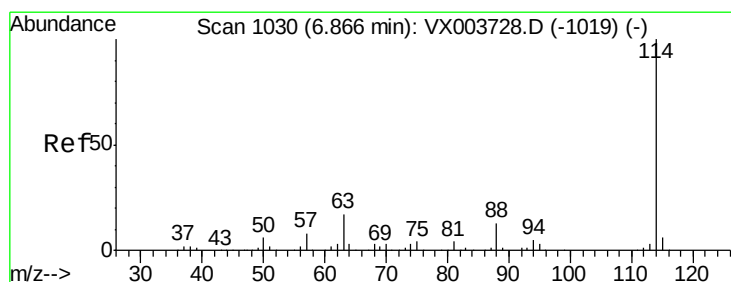
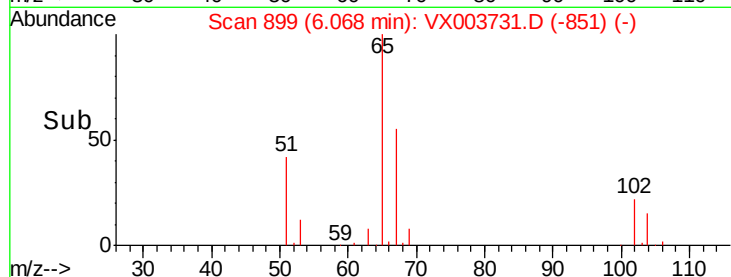
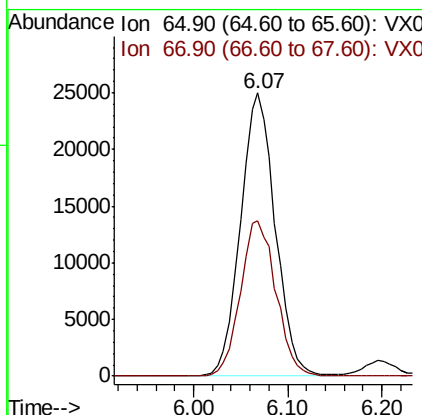
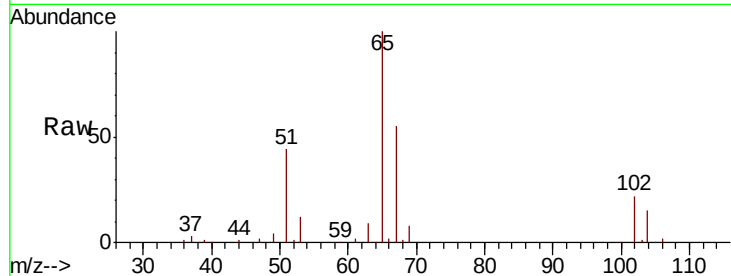
#33
 1,2-Dichloroethane-d4
 Concen: 51.23 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VX003731.D
 Acq: 30 Jul 2018 18:31

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX073018

Tot Ion: 65 Resp: 64445
 Ion Ratio Lower Upper
 65 100
 67 56.2 0.0 107.0

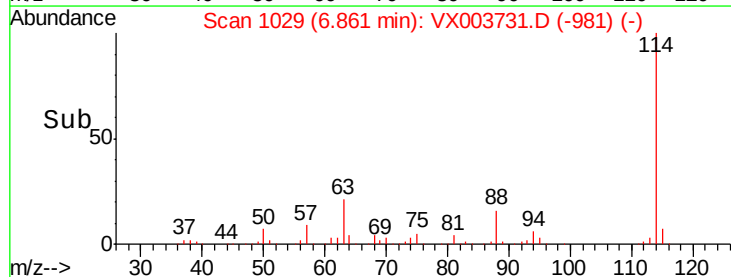
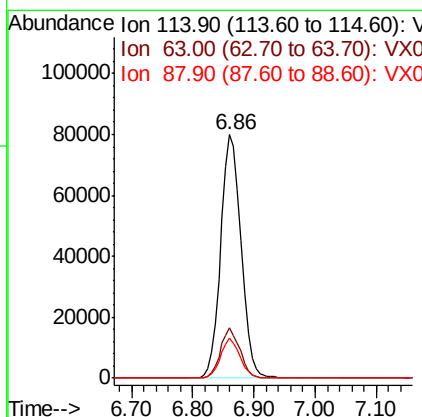
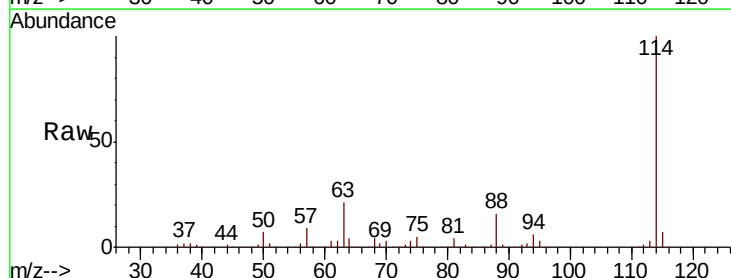
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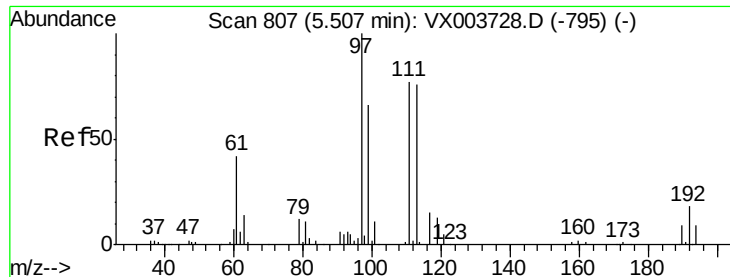
MMDadoda
 8/1/2018 10:40:22 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX003731.D
 Acq: 30 Jul 2018 18:31

Tgt Ion: 114 Resp: 185075
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 34.0
 88 16.3 0.0 26.4





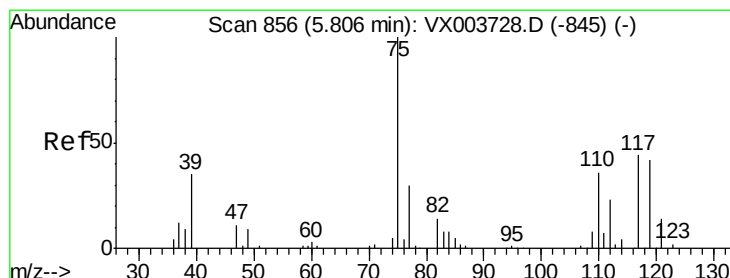
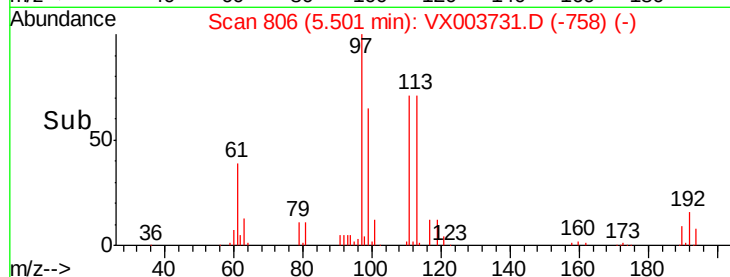
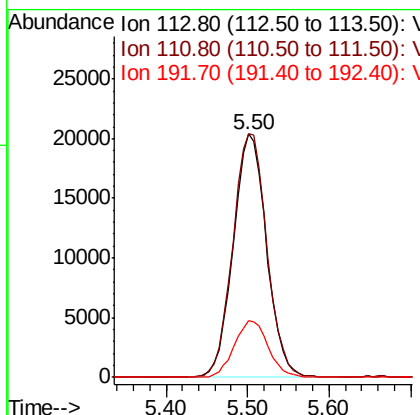
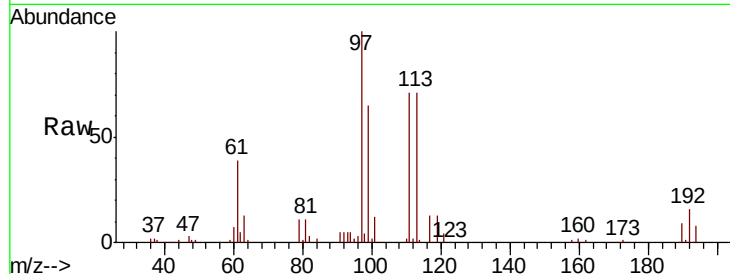
#35
 Dibromofluoromethane
 Concen: 52.72 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. -0.01 min
 Lab File: VX003731.D
 Acq: 30 Jul 2018 18:31

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX073018

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.8	122.6
192	23.6	18.8	28.2

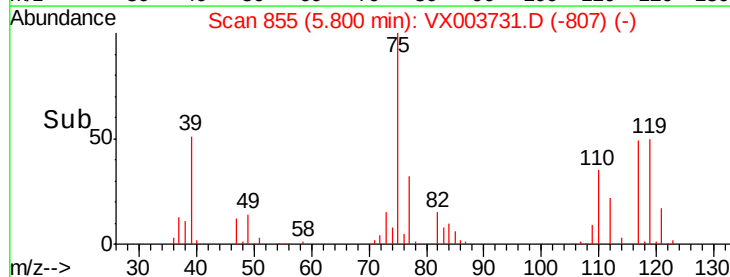
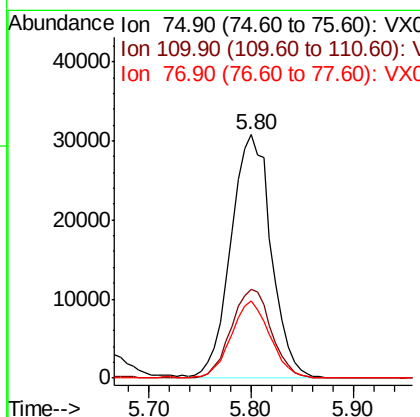
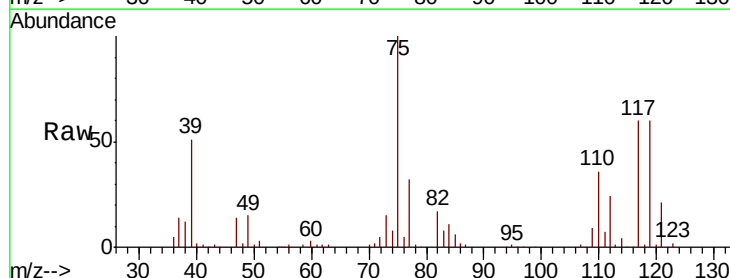
Manual Integrations
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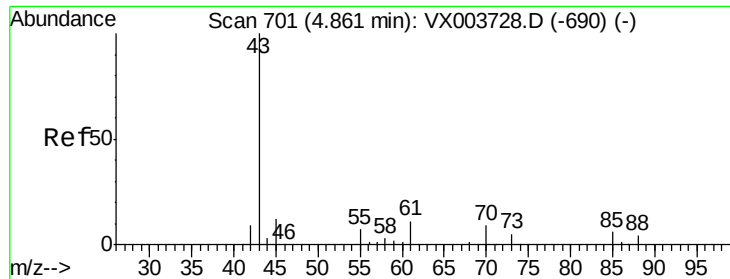
MMDadoda
 8/1/2018 10:40:22 AM



#36
 1,1-Dichloropropene
 Concen: 48.76 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. -0.01 min
 Lab File: VX003731.D
 Acq: 30 Jul 2018 18:31

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.4	18.3	54.8
77	30.5	25.1	37.7





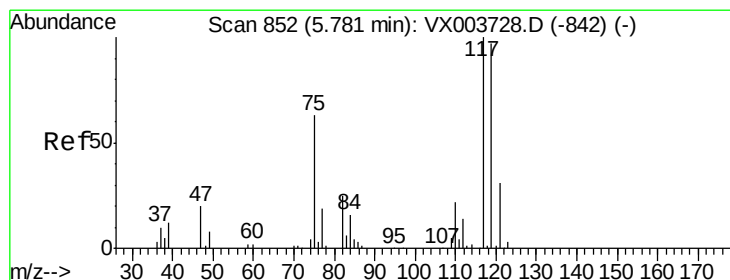
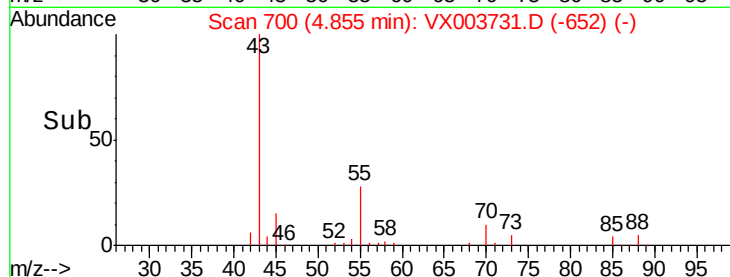
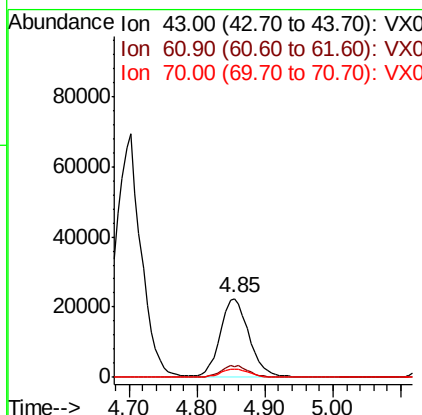
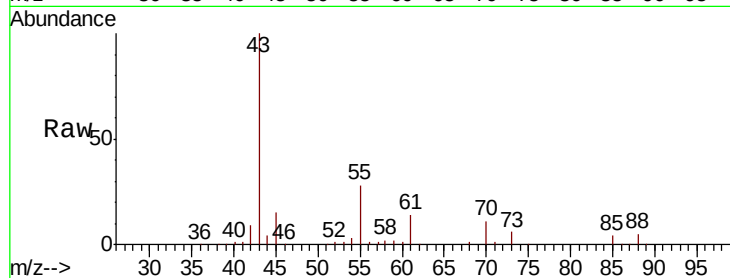
#37
Ethyl Acetate
Concen: 49.33 ug/l
RT: 4.85 min Scan# 700
Delta R.T. -0.01 min
Lab File: VX003731.D
Acq: 30 Jul 2018 18:31

Instrument :
MSVOA_X
ClientSampleId :
ICVVX073018

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.4	17.0
70	10.9	8.2	12.2

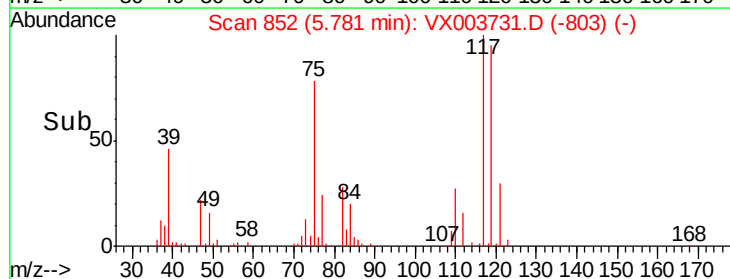
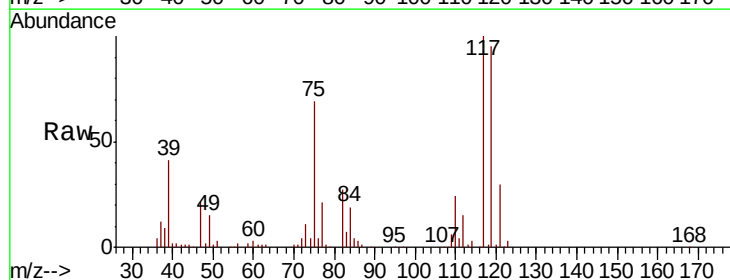
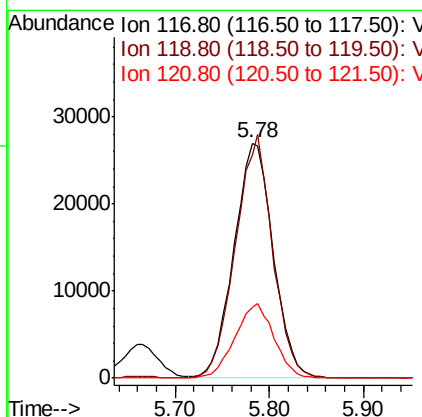
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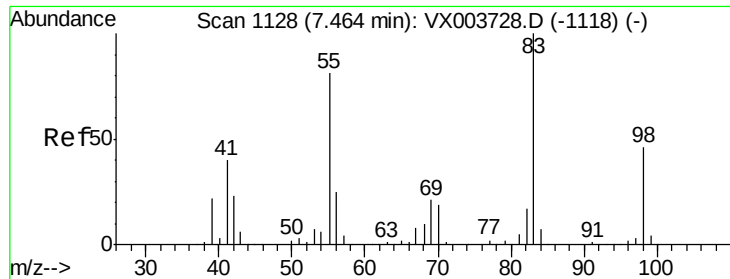
MMDadoda
8/1/2018 10:40:22 AM



#38
Carbon Tetrachloride
Concen: 48.86 ug/l
RT: 5.78 min Scan# 852
Delta R.T. 0.00 min
Lab File: VX003731.D
Acq: 30 Jul 2018 18:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.2	77.2	115.8
121	30.2	25.0	37.4





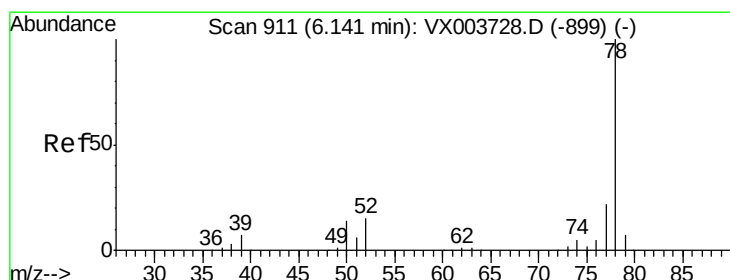
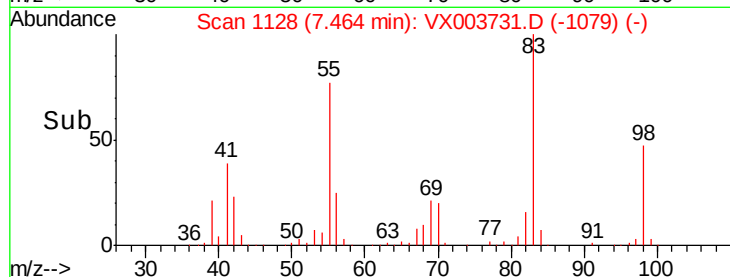
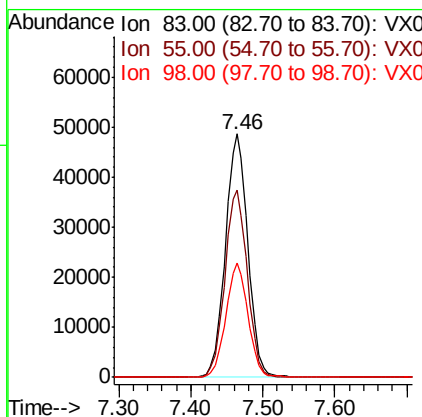
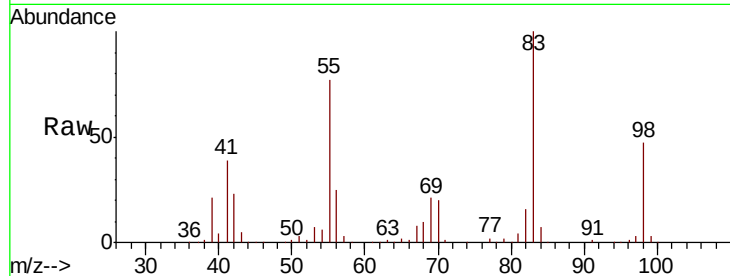
#39
Methylvlcyclohexane
Concen: 49.49 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003731.D
Acq: 30 Jul 2018 18:31

Instrument :
MSVOA_X
ClientSampleId :
ICVVX073018

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.8	65.0	97.6
98	46.9	37.1	55.7

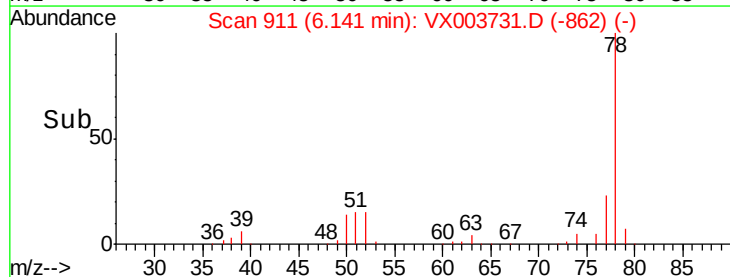
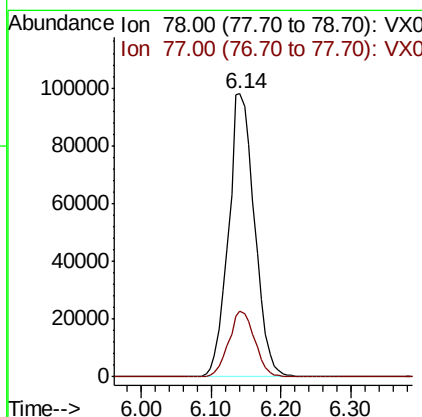
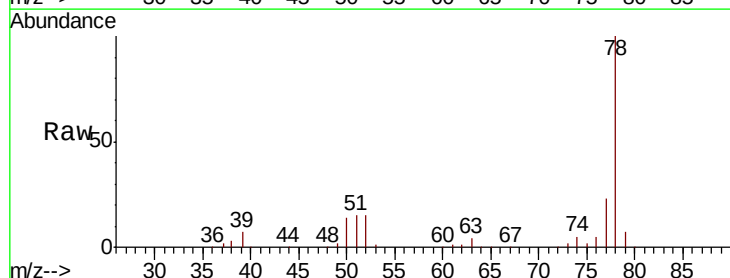
Manual Integrations
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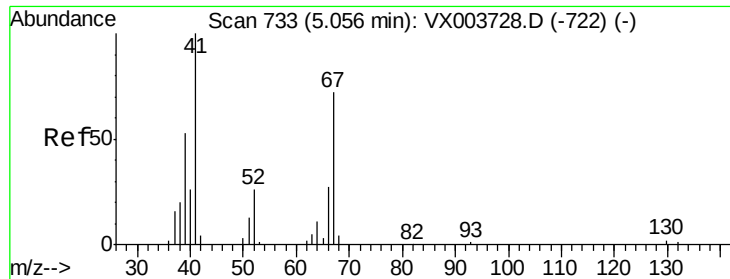
MMDadoda
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#40
Benzene
Concen: 51.31 ug/l
RT: 6.14 min Scan# 911
Delta R.T. 0.00 min
Lab File: VX003731.D
Acq: 30 Jul 2018 18:31

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	17.9	26.9





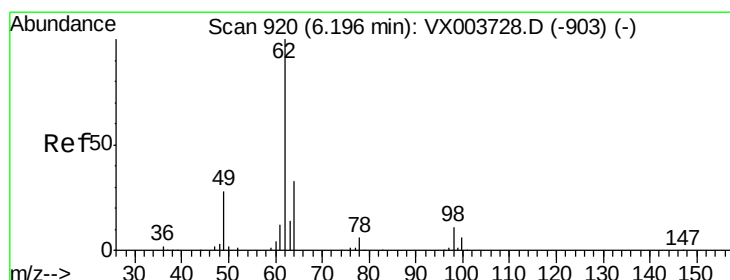
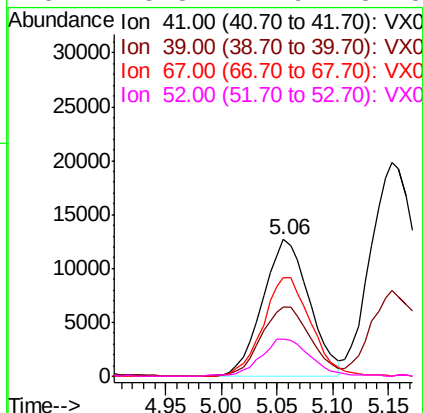
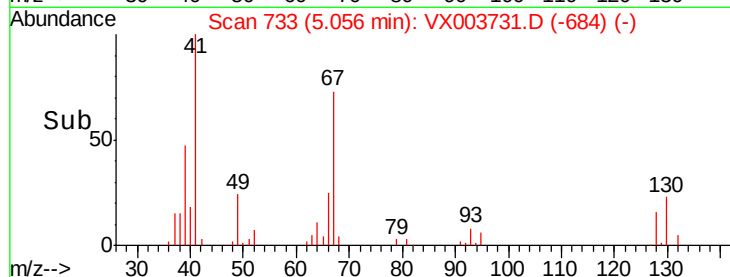
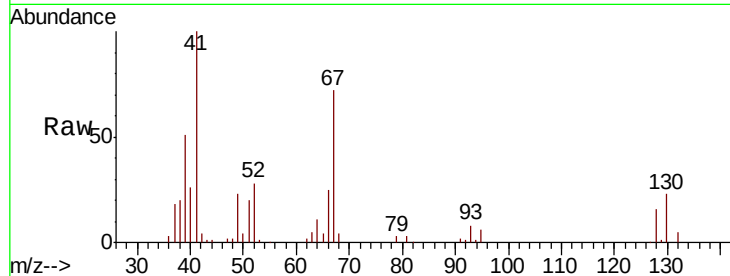
#41
Methacrylonitrile
Concen: 49.66 ug/l
RT: 5.06 min Scan# 733
Delta R.T. 0.00 min
Lab File: VX003731.D
Acq: 30 Jul 2018 18:31

Instrument :
MSVOA_X
ClientSampleId :
ICVVX073018

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.2	42.6	64.0	
67	73.4	58.9	88.3	
52	28.8	22.9	34.3	

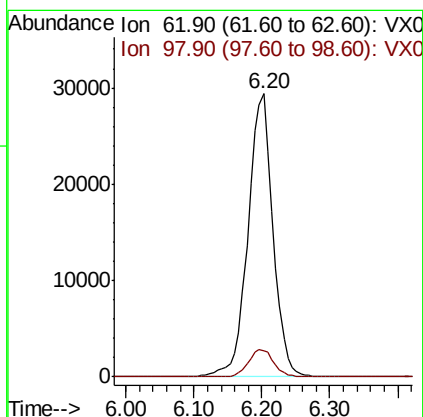
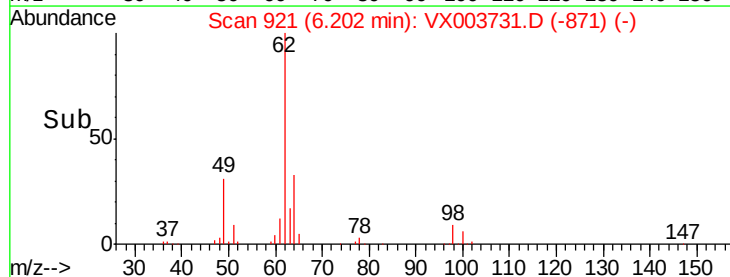
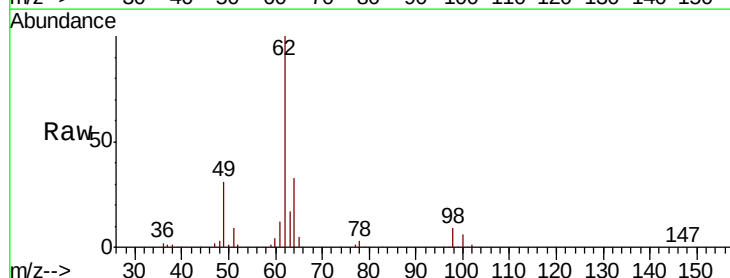
Manual Integrations
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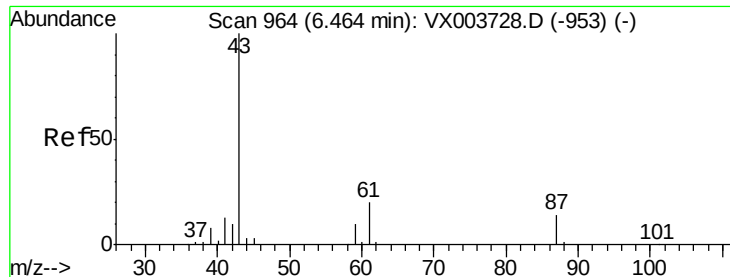
MMDadoda
8/1/2018 10:40:22 AM



#42
1,2-Dichloroethane
Concen: 50.15 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.01 min
Lab File: VX003731.D
Acq: 30 Jul 2018 18:31

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.7	0.0	20.4	





#43

Isopropyl Acetate

Concen: 50.38 ug/l

RT: 6.46 min Scan# 964

Delta R.T. 0.00 min

Lab File: VX003731.D

Acq: 30 Jul 2018 18:31

Instrument :

MSVOA_X

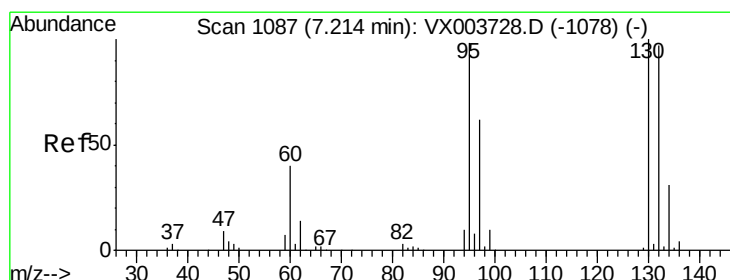
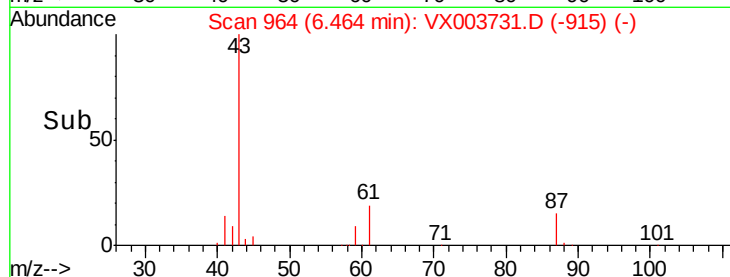
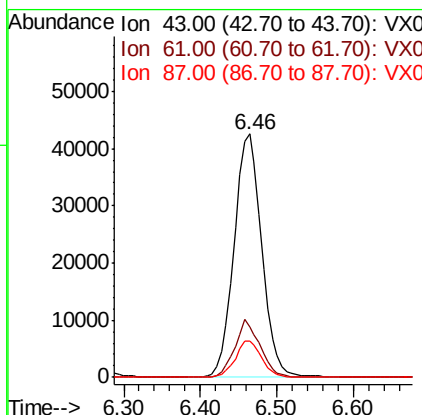
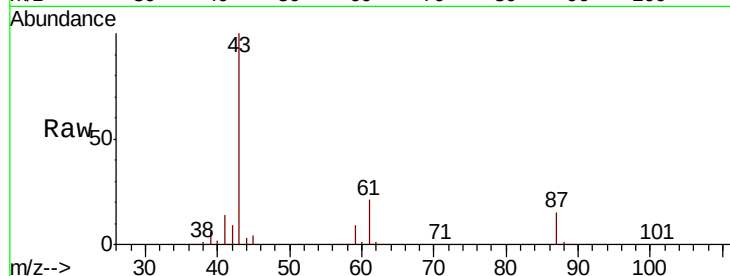
ClientSampleId :

ICVVX073018

Tot Ion:	43	Resp:	106864
Ion	Ratio	Lower	Upper
43	100		
61	21.4	16.5	24.7
87	14.2	10.7	16.1

Manual Integrations
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8/1/2018 10:40:22 AM



#44

Trichloroethene

Concen: 48.64 ug/l

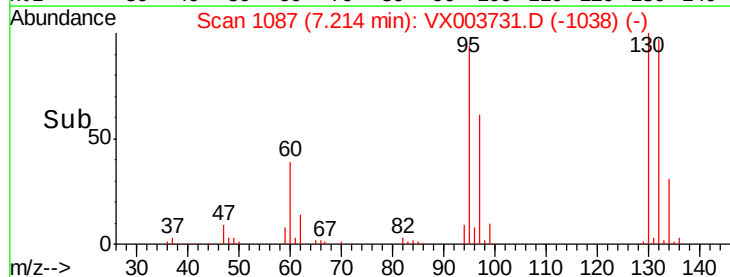
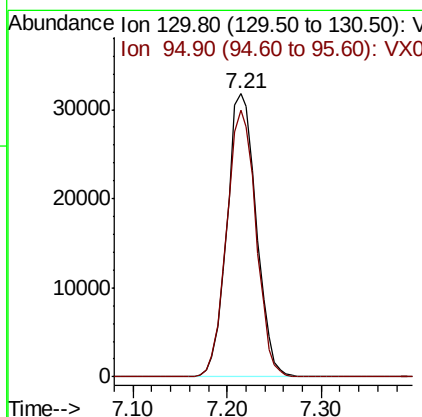
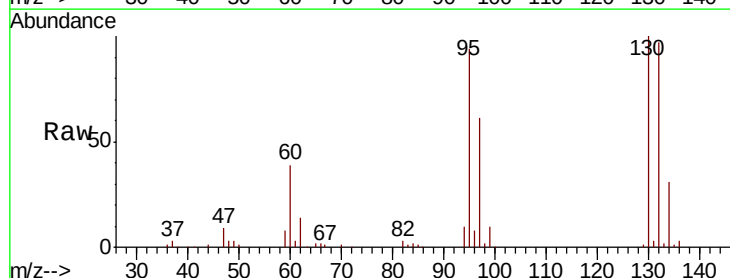
RT: 7.21 min Scan# 1087

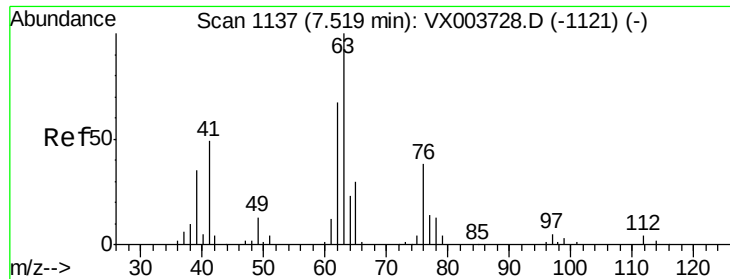
Delta R.T. 0.00 min

Lab File: VX003731.D

Acq: 30 Jul 2018 18:31

Tgt Ion:	130	Resp:	68921
Ion	Ratio	Lower	Upper
130	100		
95	94.2	0.0	196.2





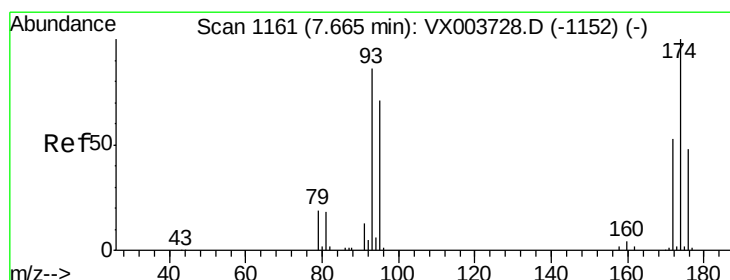
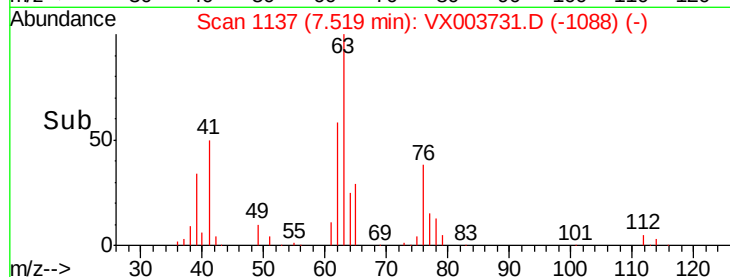
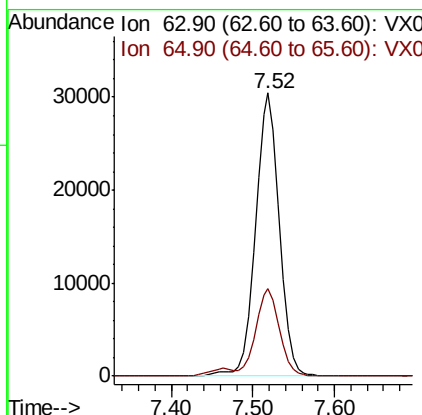
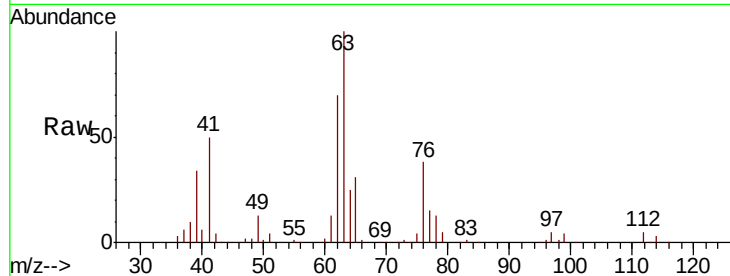
#45
 1,2-Dichloropropane
 Concen: 50.83 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VX003731.D
 Acq: 30 Jul 2018 18:31

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX073018

Tot Ion: 63 Resp: 62086
 Ion Ratio Lower Upper
 63 100
 65 30.9 23.7 35.5

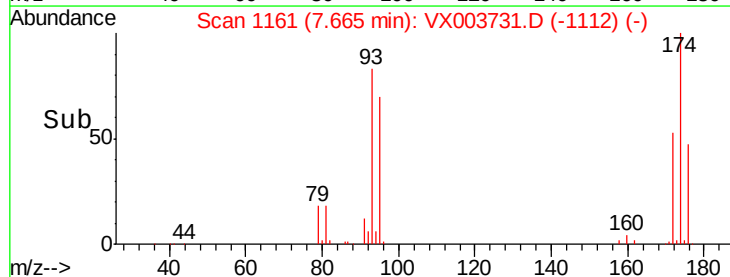
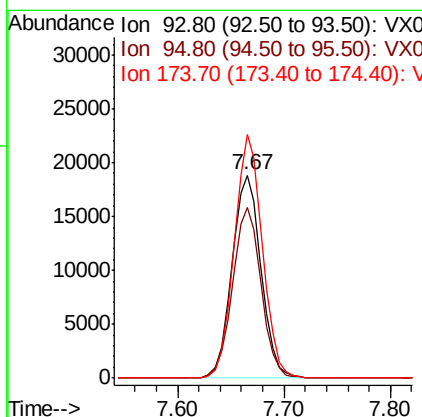
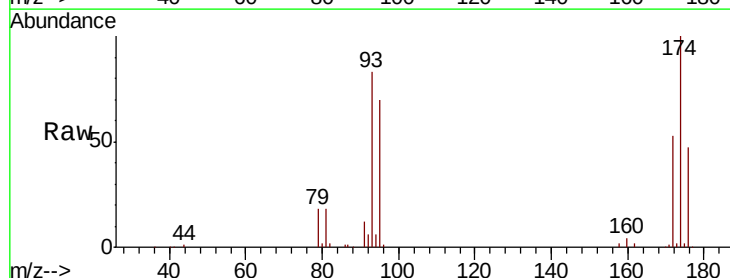
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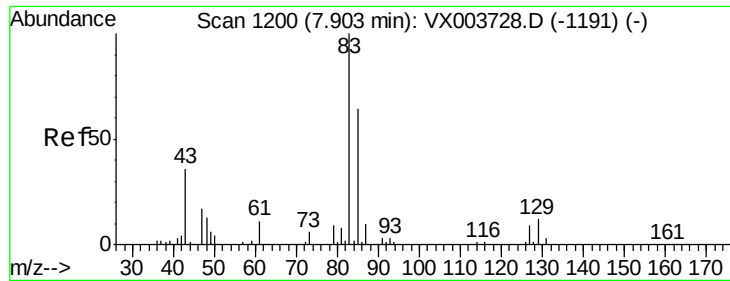
MMDadoda
 8/1/2018 10:40:22 AM



#46
 Dibromomethane
 Concen: 51.14 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX003731.D
 Acq: 30 Jul 2018 18:31

Tgt Ion: 93 Resp: 35993
 Ion Ratio Lower Upper
 93 100
 95 82.9 68.1 102.1
 174 116.7 96.2 144.4





#47

Bromodichloromethane

Concen: 52.45 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003731.D

Acq: 30 Jul 2018 18:31

Instrument :

MSVOA_X

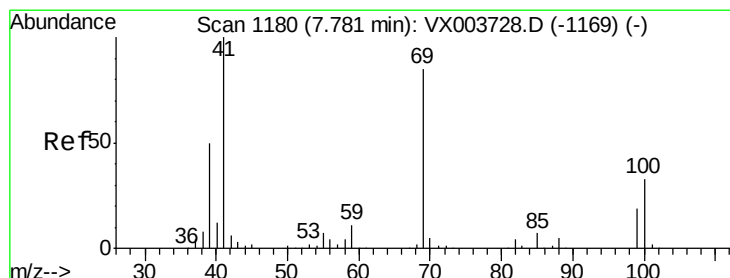
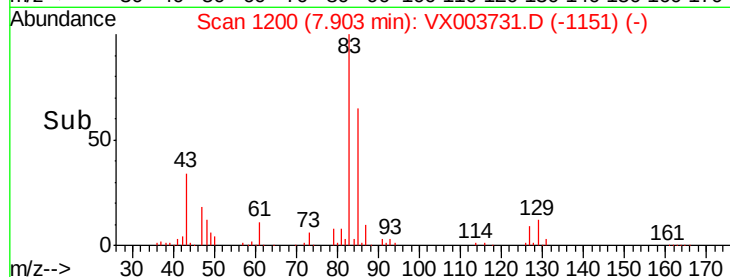
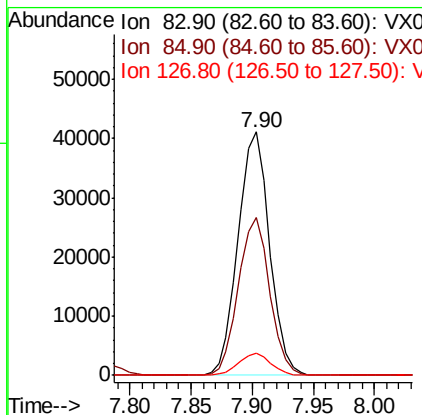
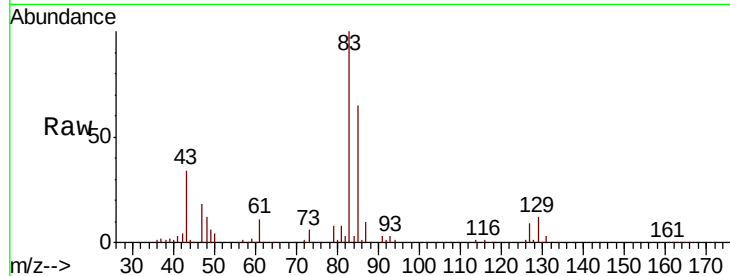
ClientSampleId :

ICVVX073018

Tot Ion:	83	Resp:	73572
Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.1	76.7
127	9.1	7.1	10.7

Manual Integrations
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MMDadoda
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#48

Methyl methacrylate

Concen: 50.96 ug/l

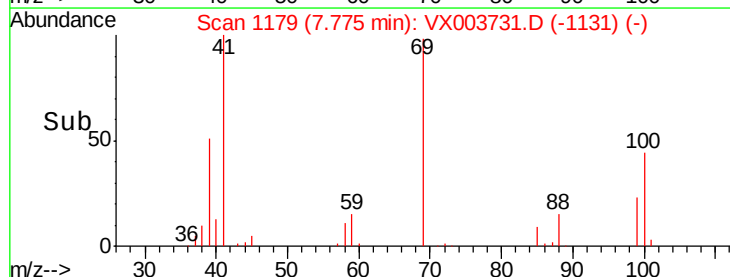
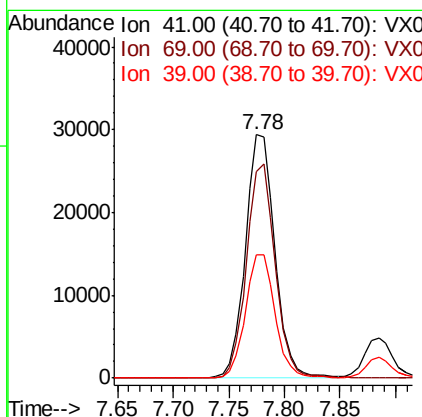
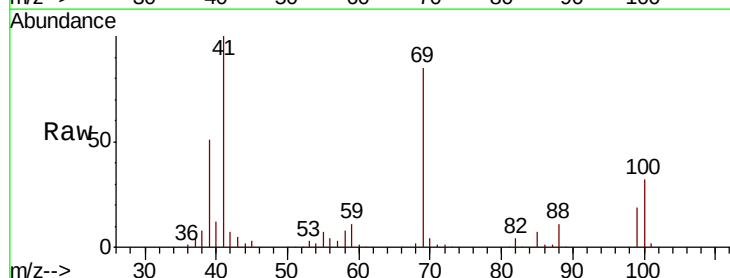
RT: 7.78 min Scan# 1179

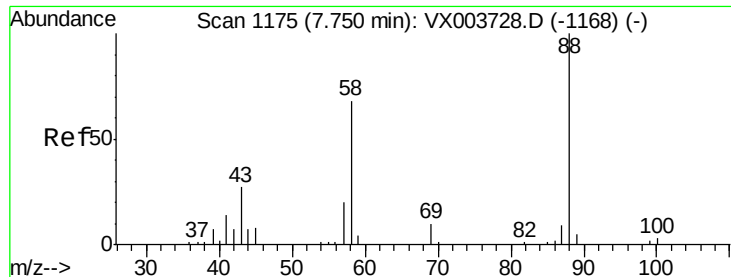
Delta R.T. -0.01 min

Lab File: VX003731.D

Acq: 30 Jul 2018 18:31

Tgt Ion:	41	Resp:	54220
Ion	Ratio	Lower	Upper
41	100		
69	86.0	68.7	103.1
39	51.0	40.8	61.2





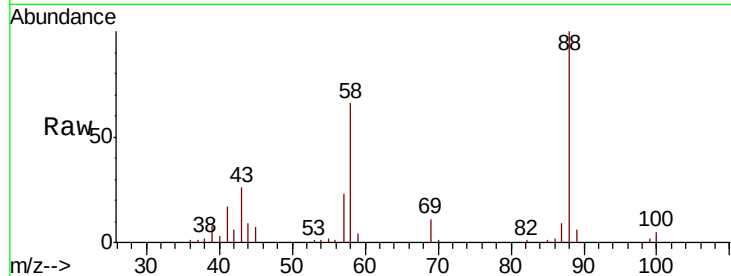
#49
1,4-Dioxane
Concen: 963.86 ug/l
RT: 7.75 min Scan# 1175
Delta R.T. 0.00 min
Lab File: VX003731.D
Acq: 30 Jul 2018 18:31

Instrument :
MSVOA_X
ClientSampled :
ICVVX073018

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.7	26.0	39.0
58	69.3	57.1	85.7

Manual Integrations
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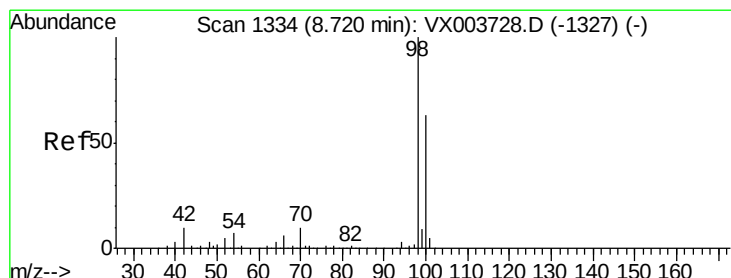
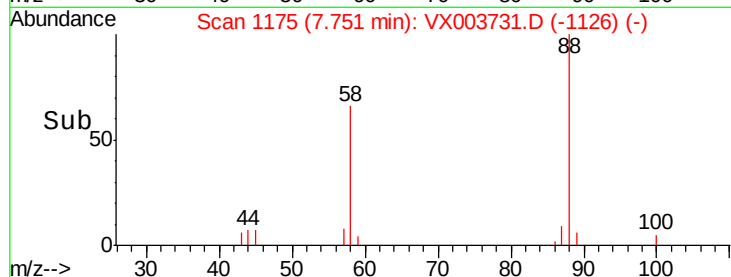
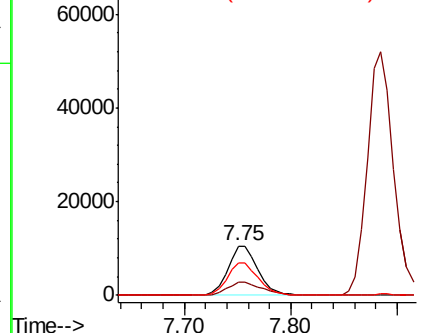


Abundance

Ion 88.00 (87.70 to 88.70): VX0

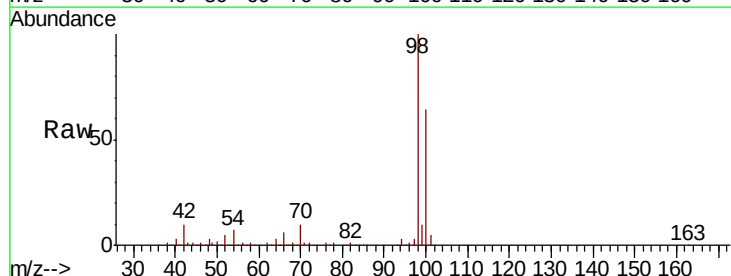
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
Toluene-d8
Concen: 51.70 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003731.D
Acq: 30 Jul 2018 18:31

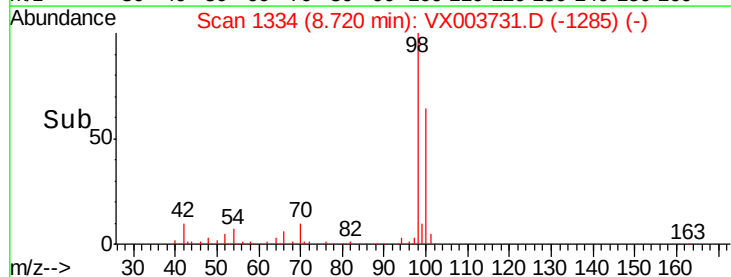
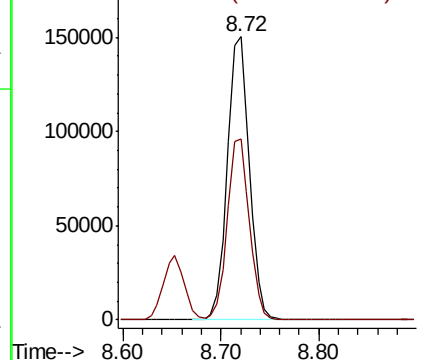
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.4	77.0

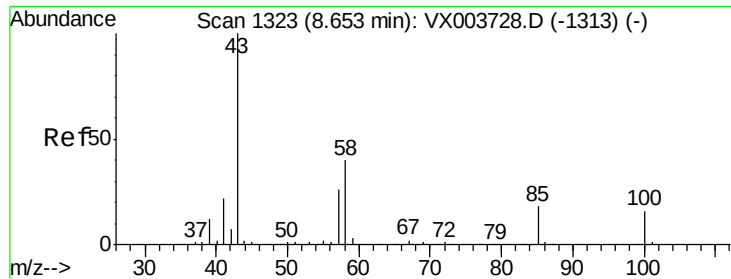


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 253.13 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX003731.D

Acq: 30 Jul 2018 18:31

Instrument :

MSVOA_X

ClientSampleId :

ICVVX073018

Tot Ion: 43 Resp: 330000

Ion Ratio Lower Upper

43 100

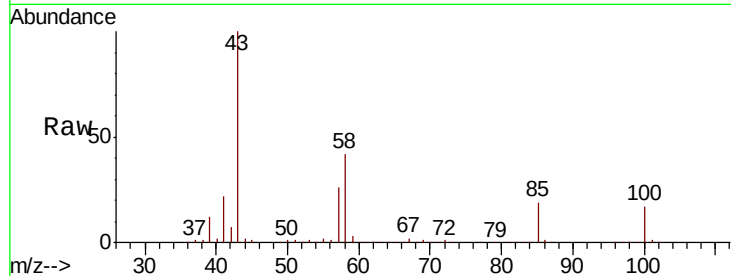
58 40.0 32.1 48.1

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.65

200000

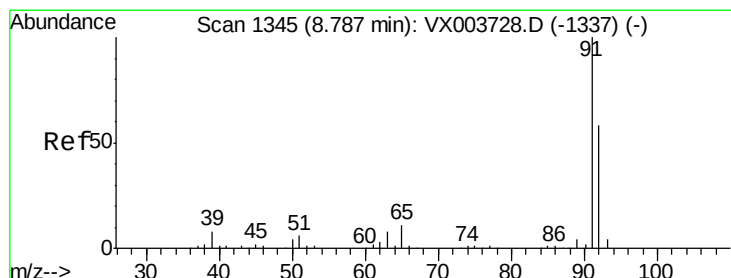
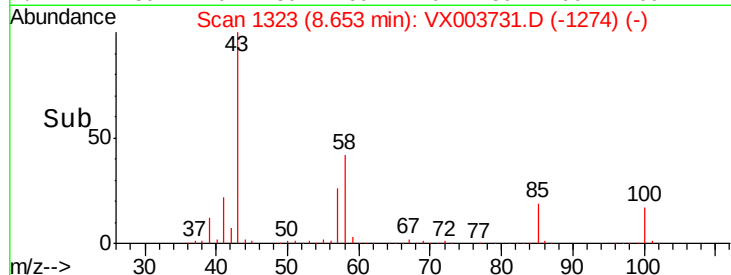
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 50.09 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003731.D

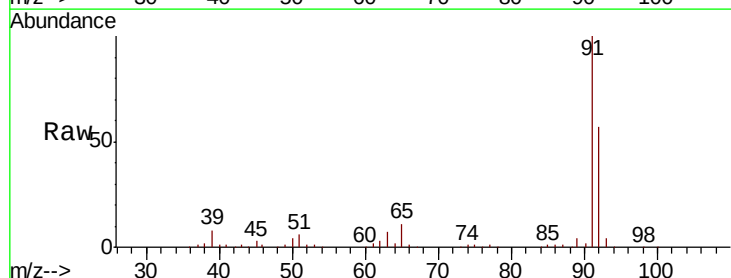
Acq: 30 Jul 2018 18:31

Tgt Ion: 92 Resp: 155201

Ion Ratio Lower Upper

92 100

91 174.4 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

200000

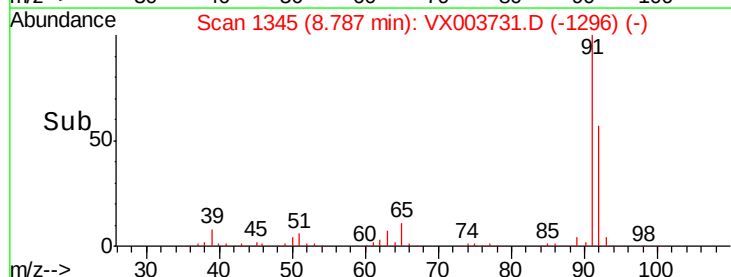
150000

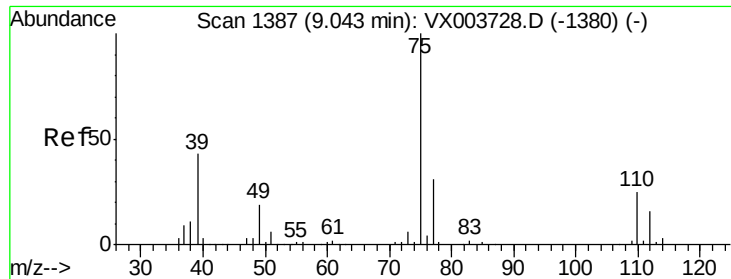
100000

50000

0

Time-->





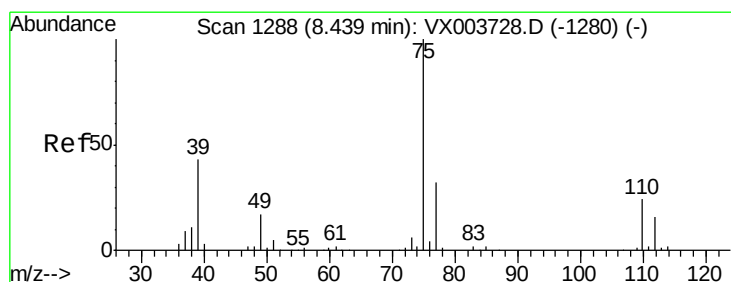
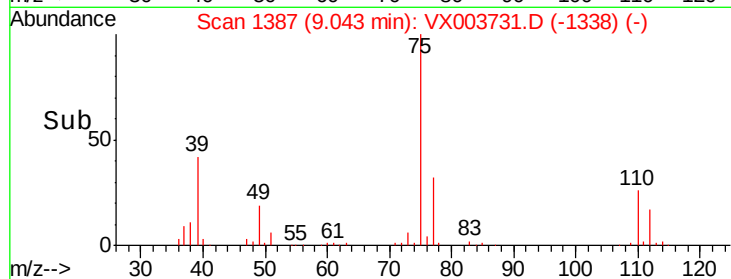
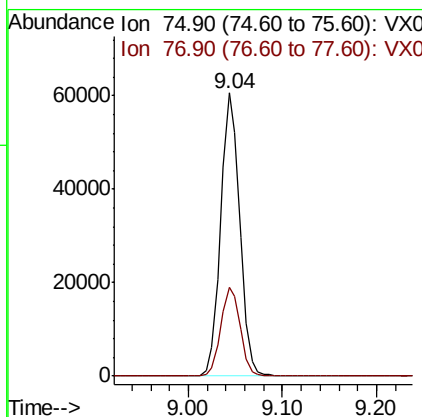
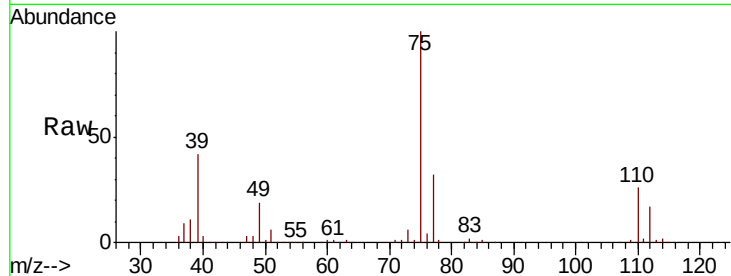
#53
 t-1,3-Dichloropropene
 Concen: 53.03 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. 0.00 min
 Lab File: VX003731.D
 Acq: 30 Jul 2018 18:31

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX073018

Tot Ion: 75 Resp: 84960
 Ion Ratio Lower Upper
 75 100
 77 31.5 24.9 37.3

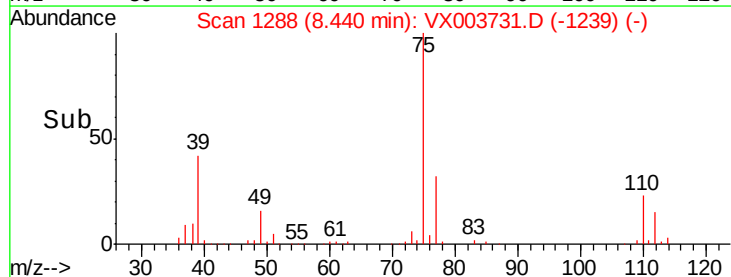
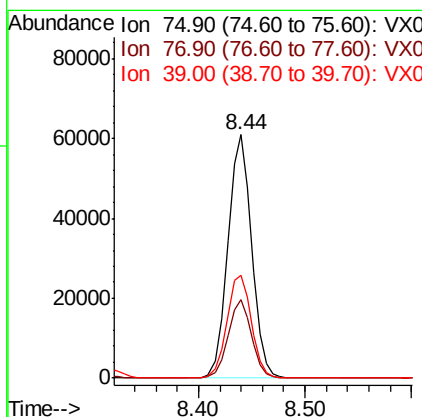
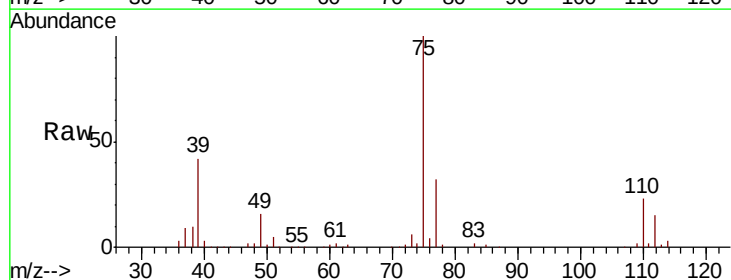
Manual Integrations
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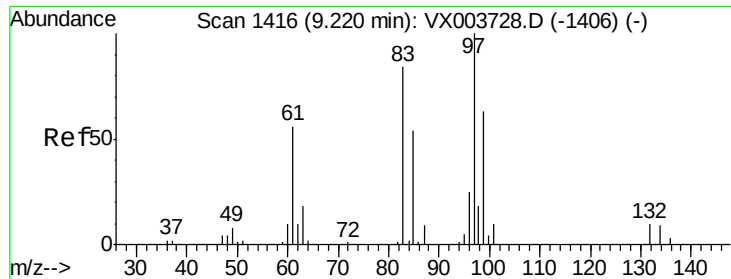
MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 53.31 ug/l
 RT: 8.44 min Scan# 1288
 Delta R.T. 0.00 min
 Lab File: VX003731.D
 Acq: 30 Jul 2018 18:31

Tgt Ion: 75 Resp: 95200
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.3 37.9
 39 41.9 34.1 51.1





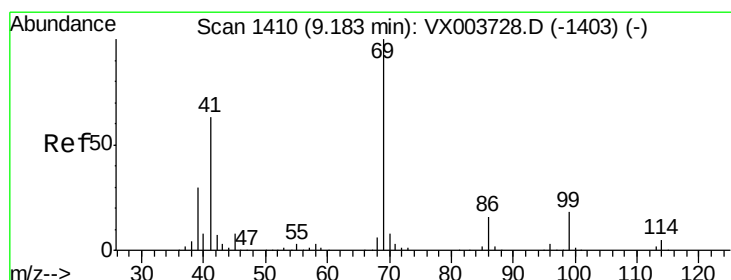
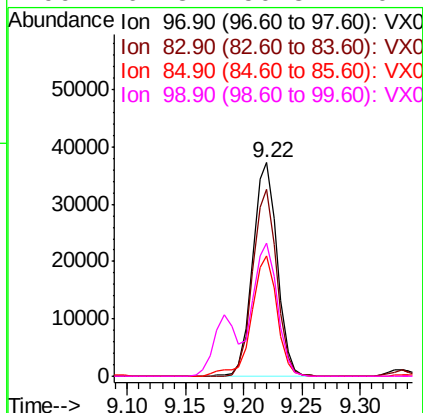
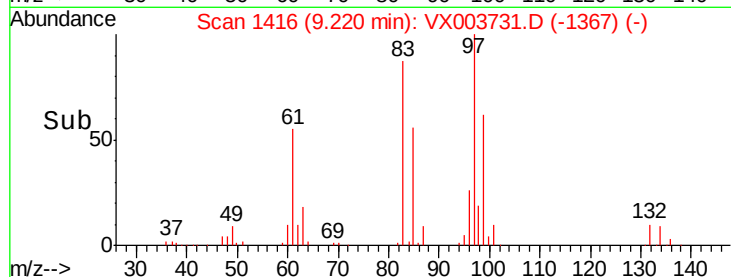
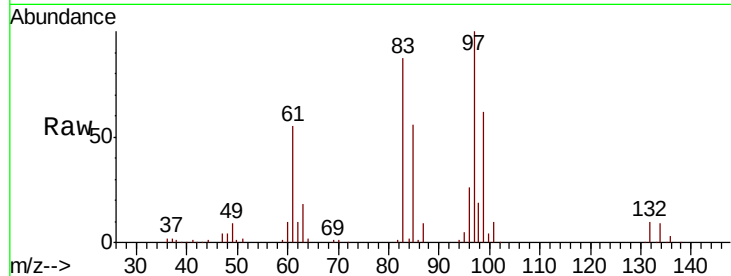
#55
 1,1,2-Trichloroethane
 Concen: 51.45 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003731.D
 Acq: 30 Jul 2018 18:31

Instrument :
 MSVOA_X
 ClientSampled :
 ICVVX073018

Tot Ion:	97	Resp:	54858
Ion	Ratio	Lower	Upper
97	100		
83	87.4	67.4	101.0
85	56.2	43.3	64.9
99	62.3	50.8	76.2

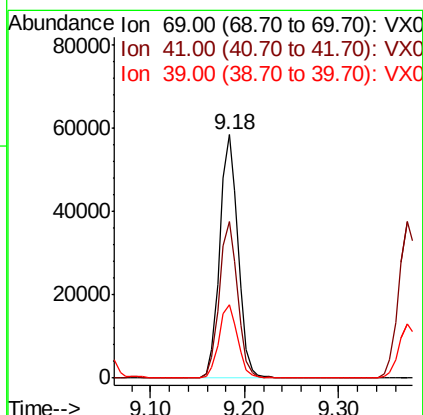
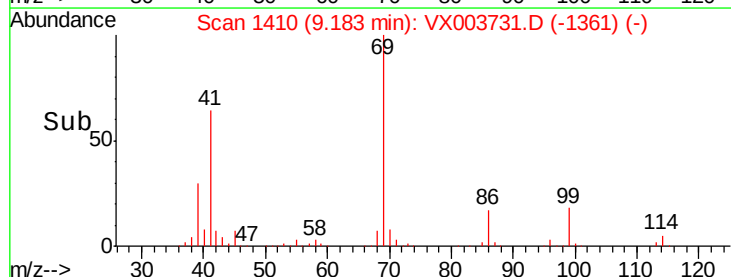
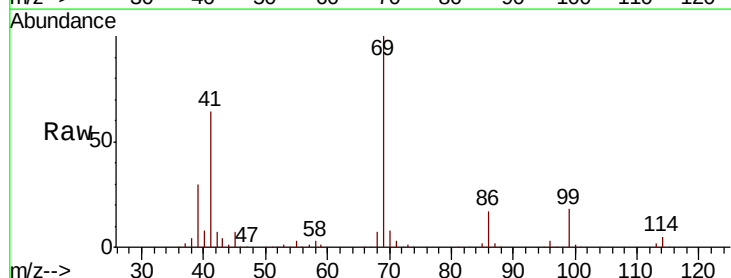
Manual Integrations
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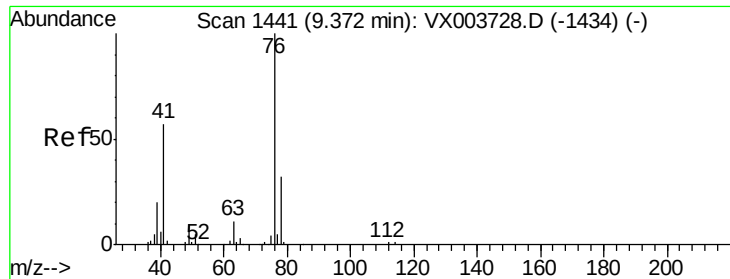
MMDadoda
 8/1/2018 10:40:22 AM



#56
 Ethyl methacrylate
 Concen: 53.68 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX003731.D
 Acq: 30 Jul 2018 18:31

Tgt Ion:	69	Resp:	78620
Ion	Ratio	Lower	Upper
69	100		
41	65.1	51.6	77.4
39	31.0	25.1	37.7





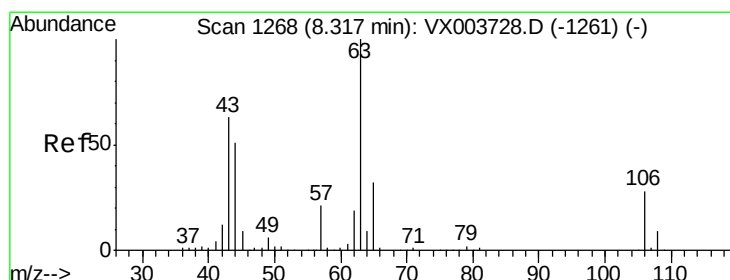
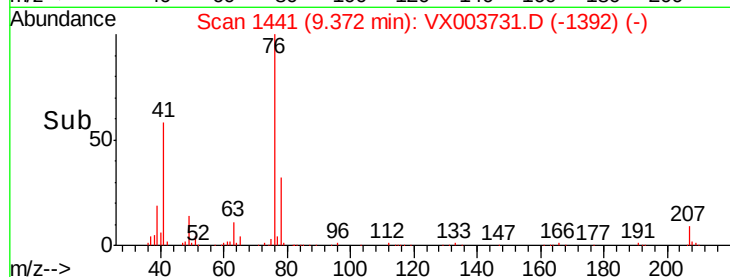
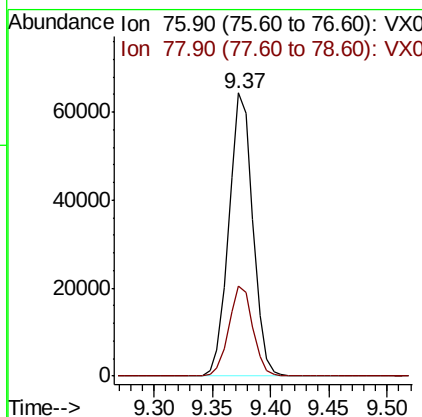
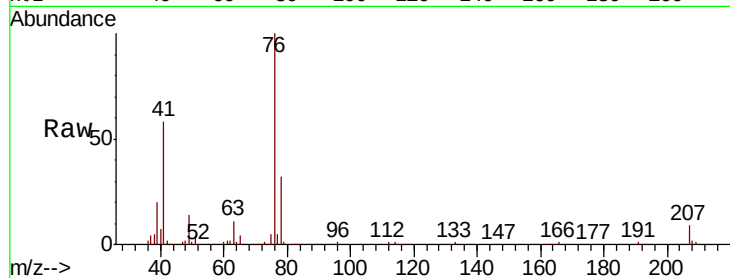
#57
 1,3-Dichloropropane
 Concen: 51.50 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VX003731.D
 Acq: 30 Jul 2018 18:31

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX073018

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.7	38.5

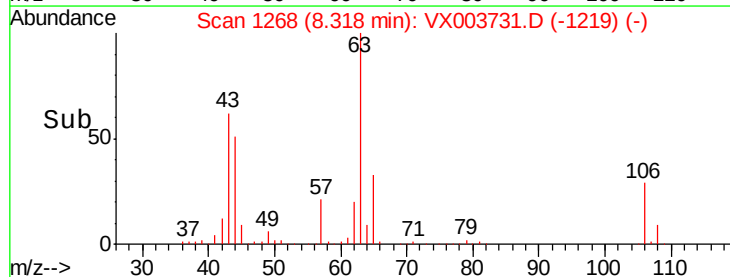
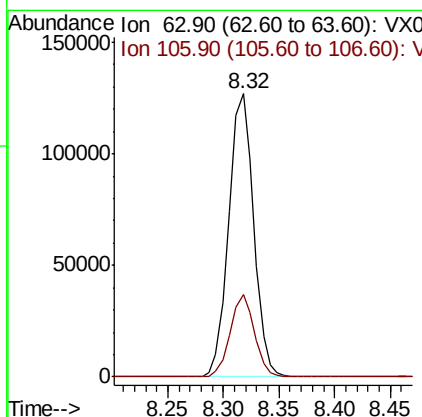
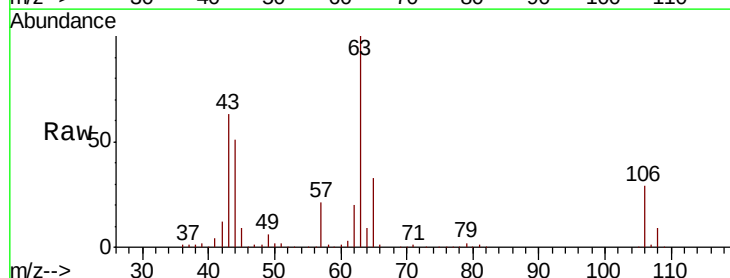
Manual Integrations
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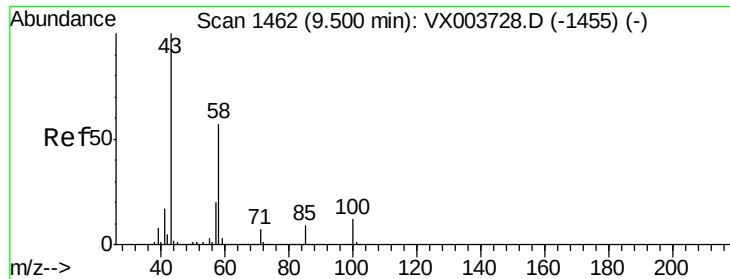
MMDadoda
 8/1/2018 10:40:22 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 252.30 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VX003731.D
 Acq: 30 Jul 2018 18:31

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.2	22.5	33.7





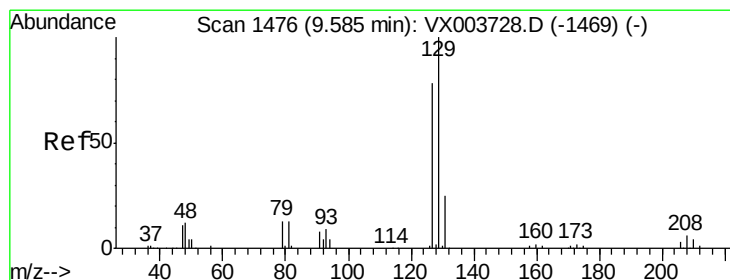
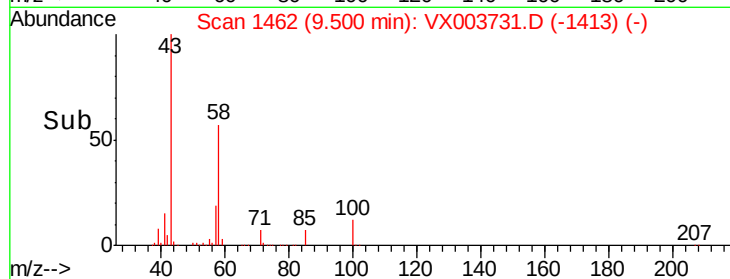
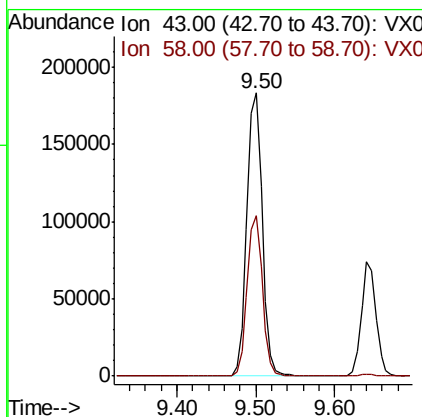
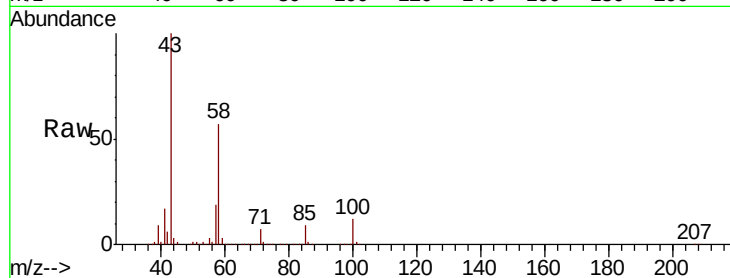
#59
2-Hexanone
Concen: 251.95 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003731.D
Acq: 30 Jul 2018 18:31

Instrument :
MSVOA_X
ClientSampleId :
ICVVX073018

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.0	28.0	83.9

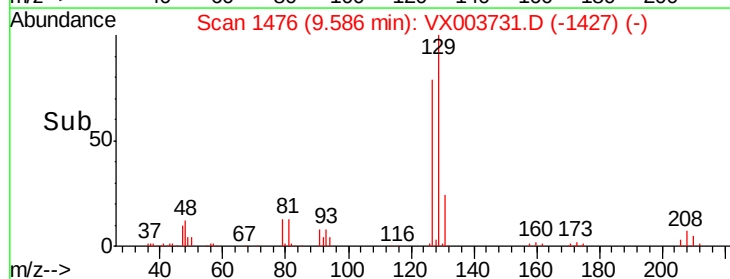
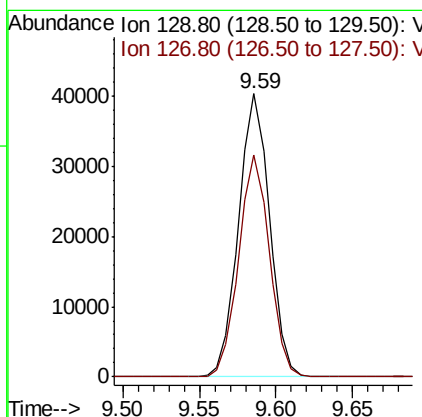
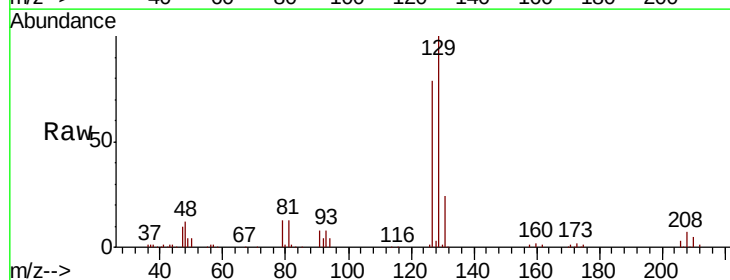
Manual Integrations
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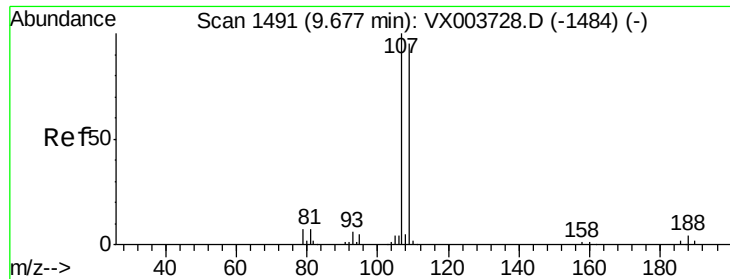
MMDadoda
8/1/2018 10:40:22 AM



#60
Dibromochloromethane
Concen: 52.72 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003731.D
Acq: 30 Jul 2018 18:31

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.7	38.8	116.4





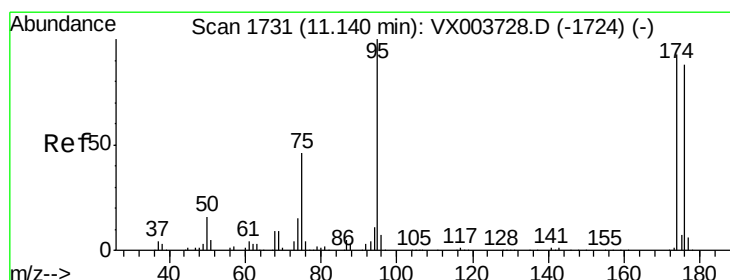
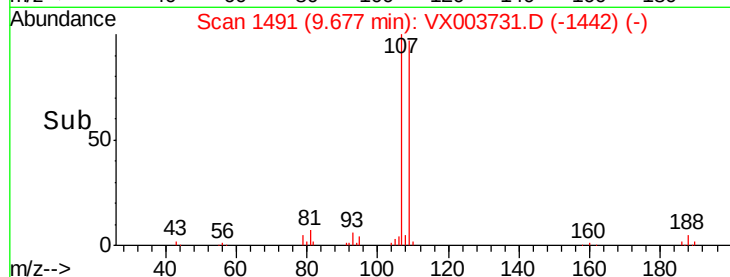
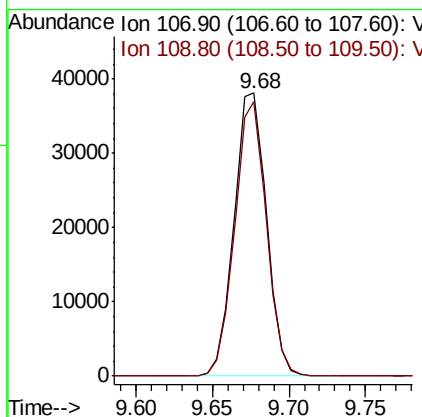
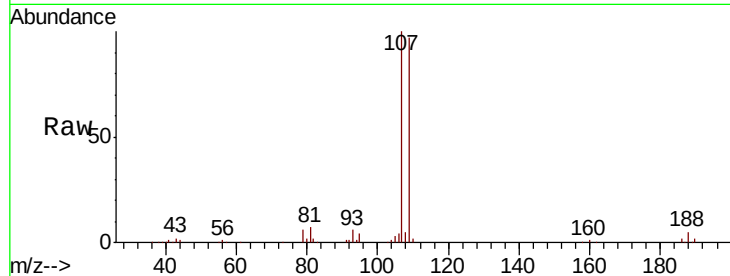
#61
 1,2-Dibromoethane
 Concen: 51.38 ug/l
 RT: 9.68 min Scan# 1491
 Delta R.T. 0.00 min
 Lab File: VX003731.D
 Acq: 30 Jul 2018 18:31

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX073018

Tot Ion:107 Resp: 55932
 Ion Ratio Lower Upper
 107 100
 109 94.6 75.0 112.6

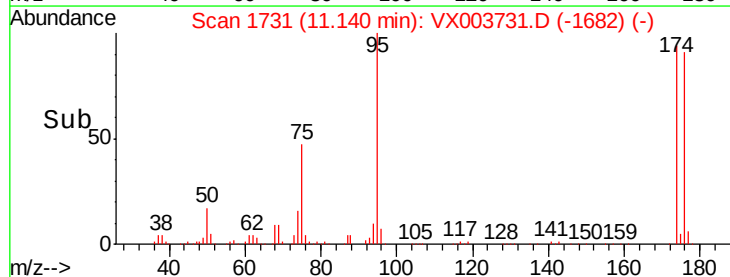
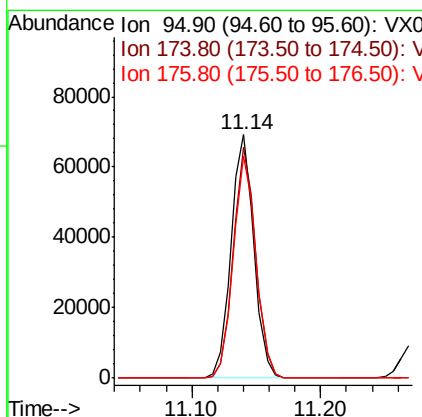
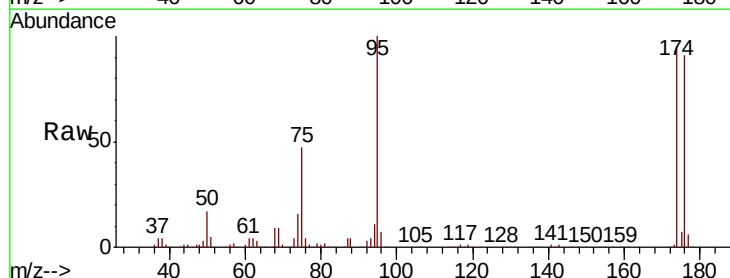
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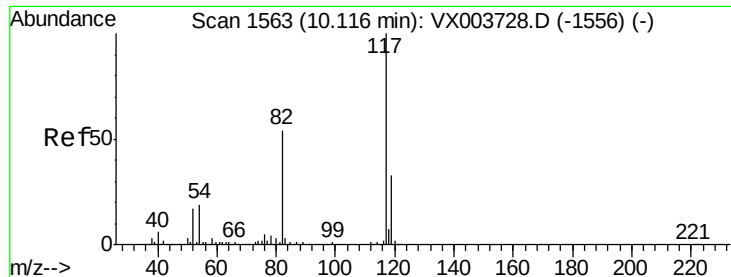
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 51.21 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.00 min
 Lab File: VX003731.D
 Acq: 30 Jul 2018 18:31

Tgt Ion: 95 Resp: 85792
 Ion Ratio Lower Upper
 95 100
 174 93.0 0.0 186.2
 176 90.6 0.0 179.2





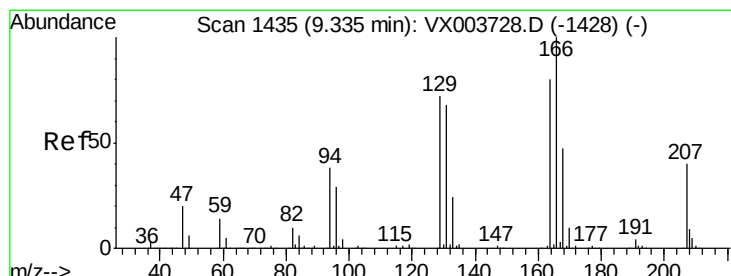
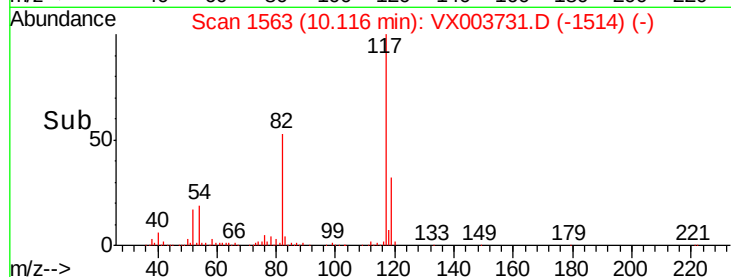
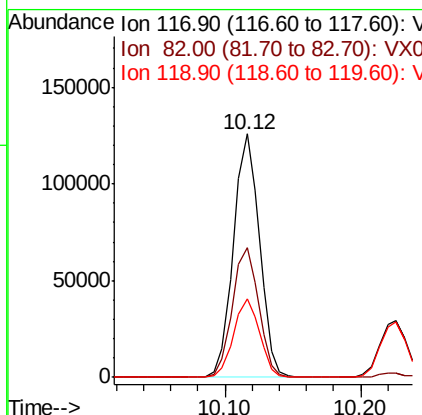
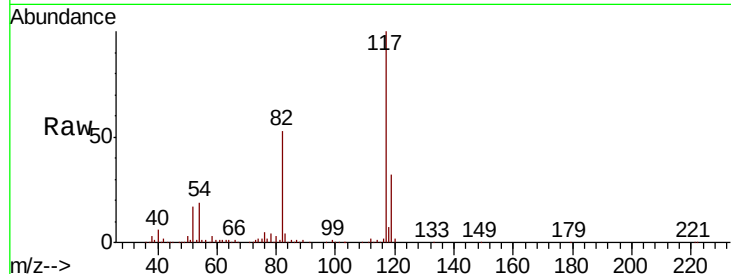
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003731.D
Acq: 30 Jul 2018 18:31

Instrument :
MSVOA_X
ClientSampleId :
ICVVX073018

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.4	43.2	64.8
119	32.4	26.3	39.5

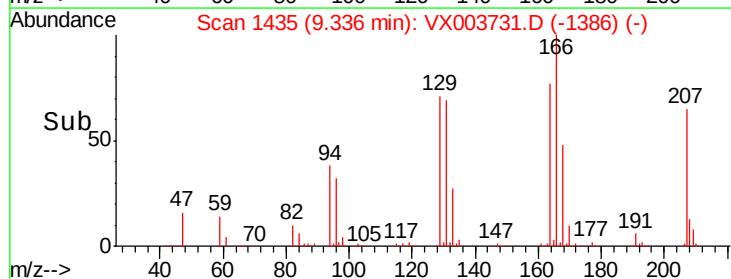
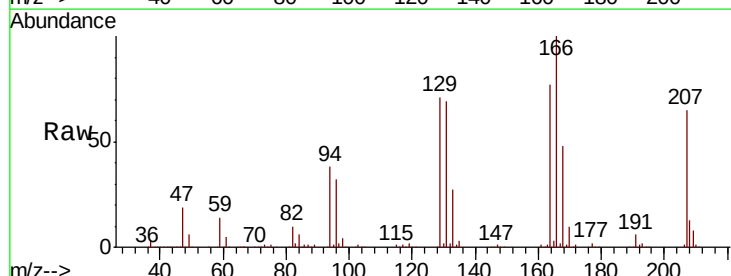
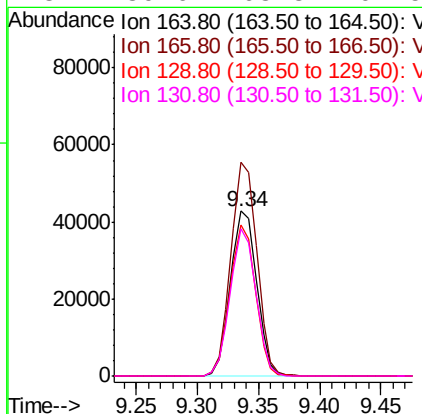
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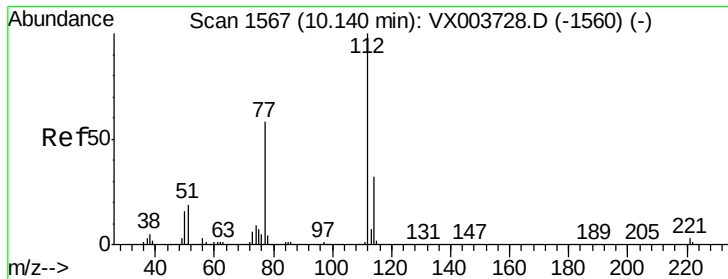
MMDadoda
8/1/2018 10:40:22 AM



#64
Tetrachloroethene
Concen: 48.20 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VX003731.D
Acq: 30 Jul 2018 18:31

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.8	100.4	150.6
129	91.8	71.8	107.8
131	89.6	68.3	102.5





#65

Chlorobenzene

Concen: 50.09 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VX003731.D

Acq: 30 Jul 2018 18:31

Instrument :

MSVOA_X

ClientSampleId :

ICVVX073018

Tot Ion:112 Resp: 175531

Ion Ratio Lower Upper

112 100

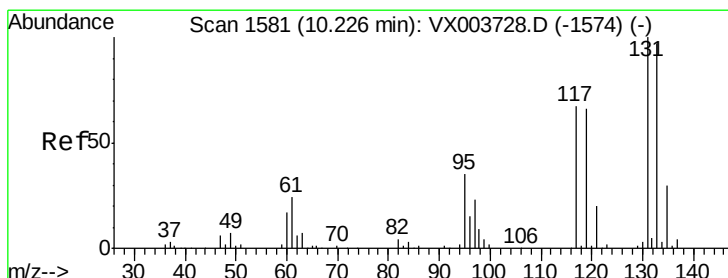
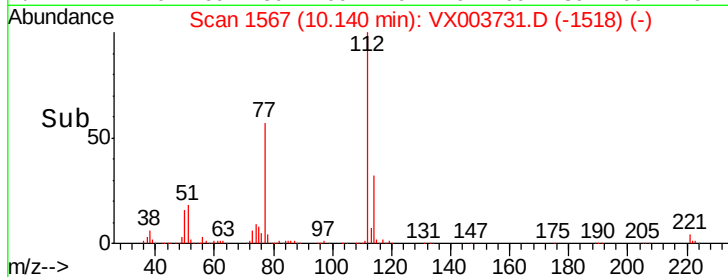
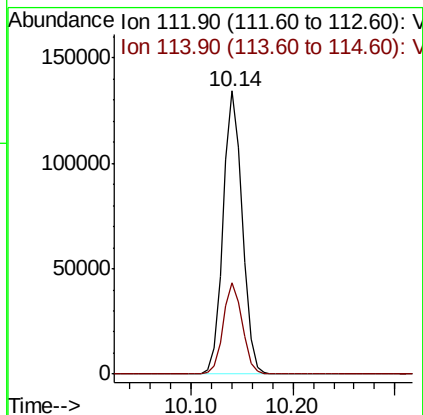
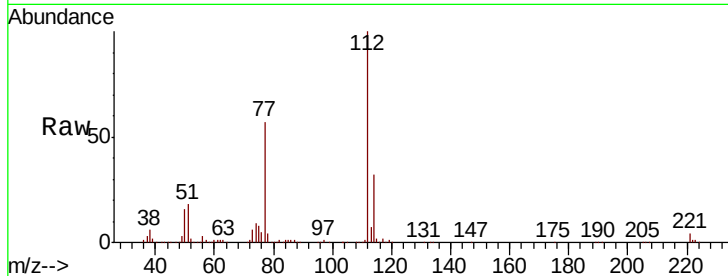
114 32.2 25.7 38.5

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#66

1,1,1,2-Tetrachloroethane

Concen: 52.21 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX003731.D

Acq: 30 Jul 2018 18:31

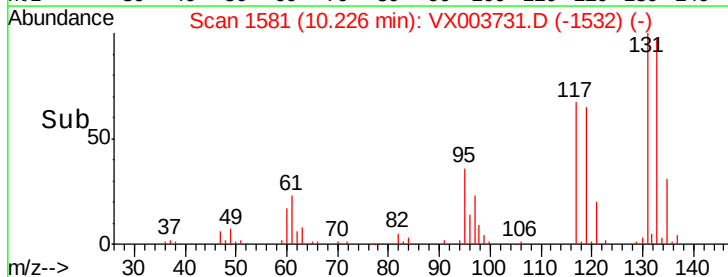
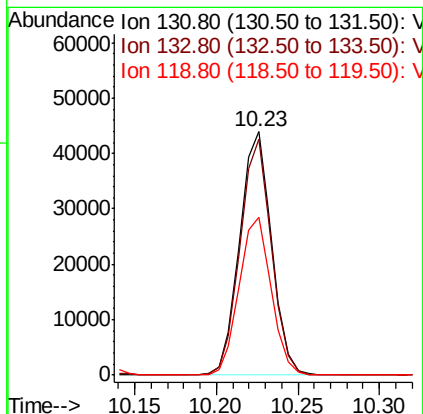
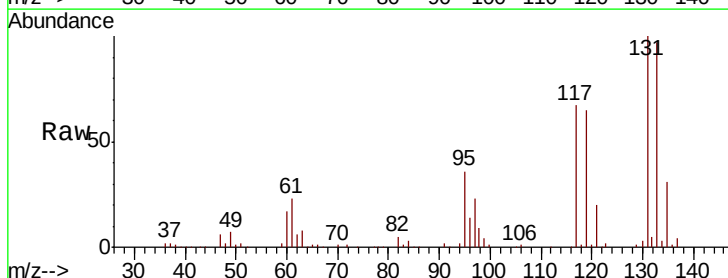
Tgt Ion:131 Resp: 59659

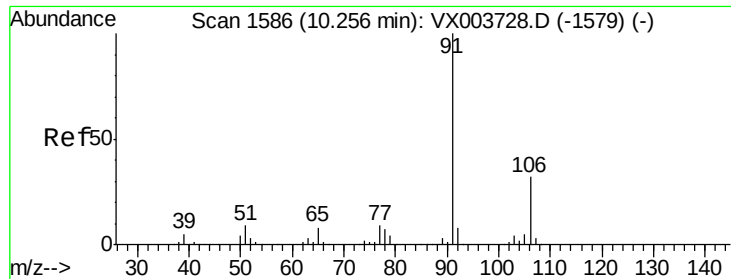
Ion Ratio Lower Upper

131 100

133 95.5 47.6 142.9

119 65.3 32.8 98.3





#67

Ethyl Benzene

Concen: 50.79 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX003731.D

Acq: 30 Jul 2018 18:31

Instrument :

MSVOA_X

ClientSampled :

ICVVX073018

Tot Ion: 91 Resp: 300497

Ion Ratio Lower Upper

91 100

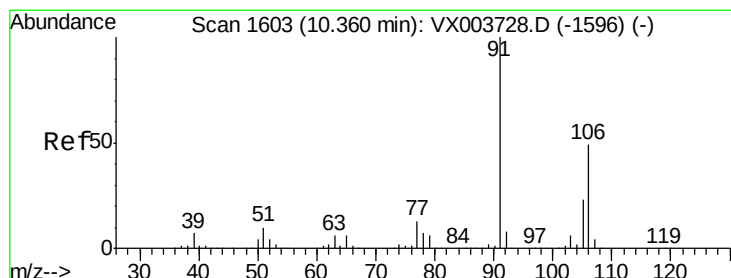
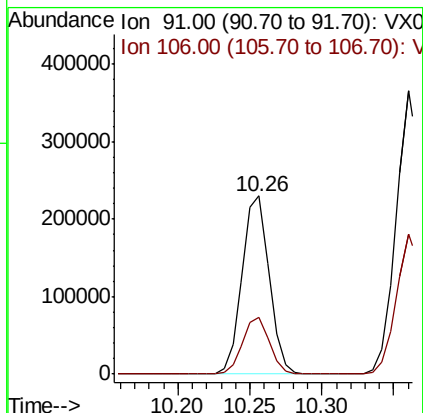
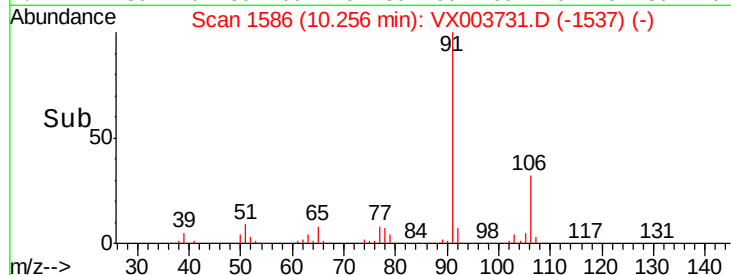
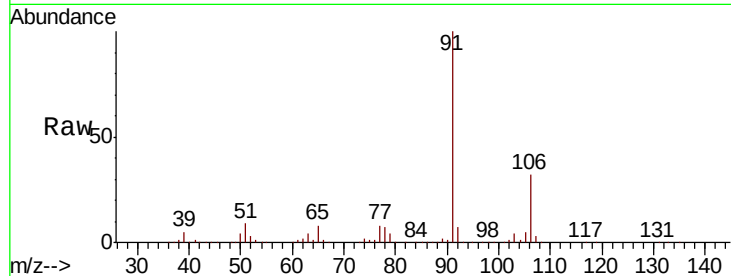
106 32.0 25.4 38.2

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#68

m/p-Xylenes

Concen: 101.43 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VX003731.D

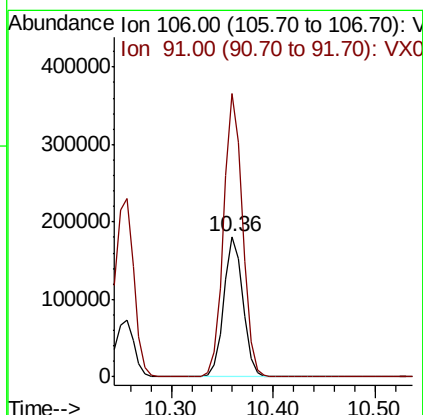
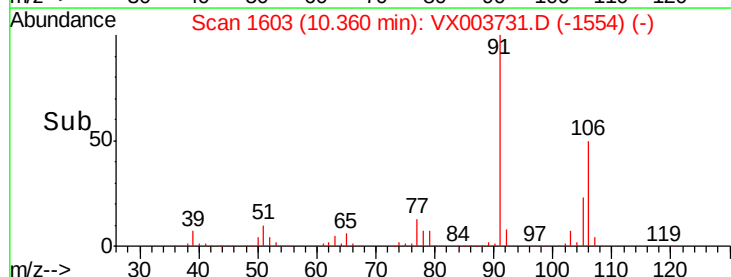
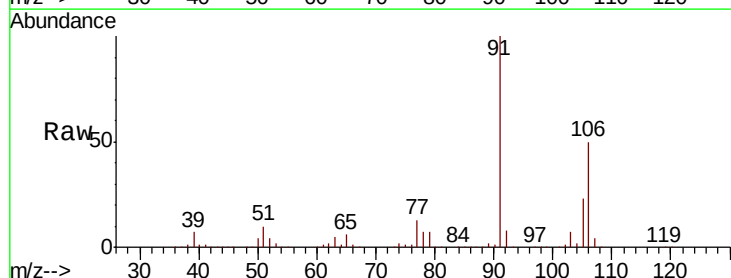
Acq: 30 Jul 2018 18:31

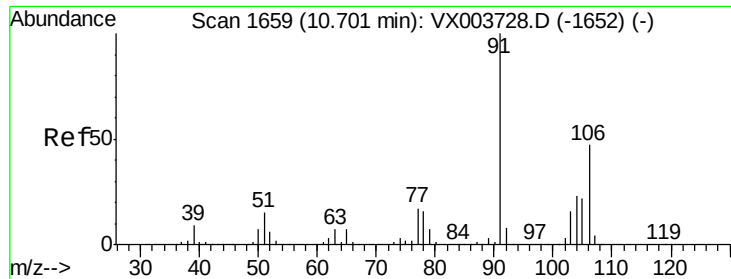
Tgt Ion: 106 Resp: 234766

Ion Ratio Lower Upper

106 100

91 201.1 159.8 239.8





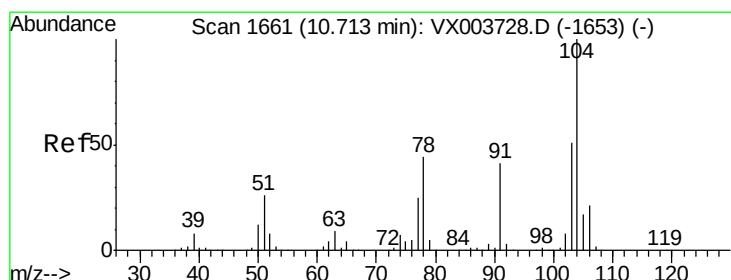
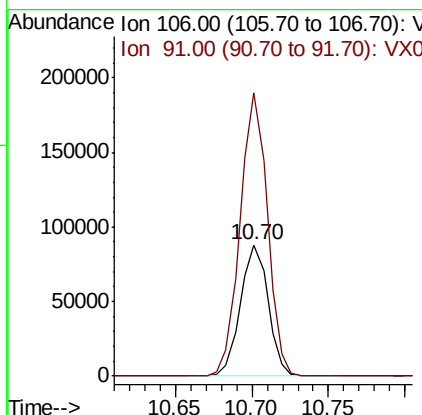
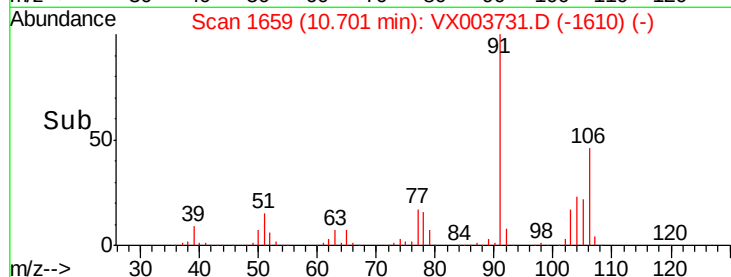
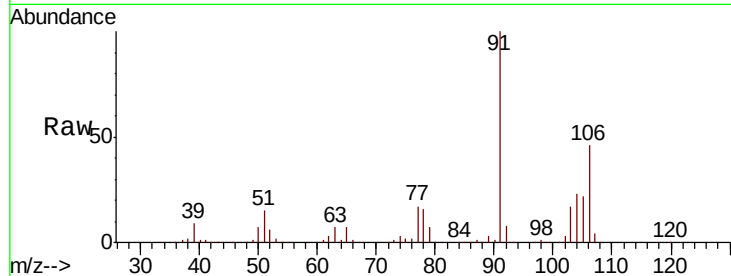
#69
o-Xylene
Concen: 51.52 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003731.D
Acq: 30 Jul 2018 18:31

Instrument :
MSVOA_X
ClientSampled :
ICVVX073018

Tot Ion:106 Resp: 110716
Ion Ratio Lower Upper
106 100
91 212.3 105.6 316.8

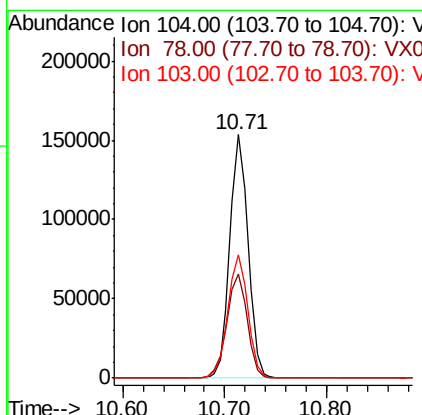
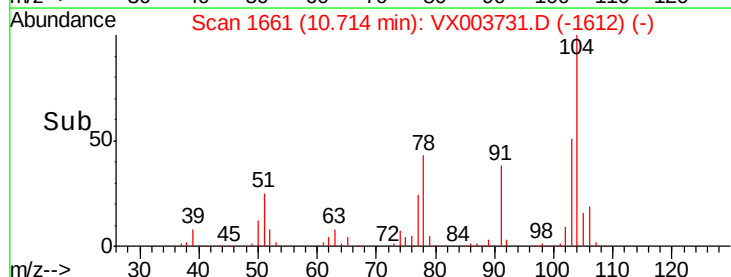
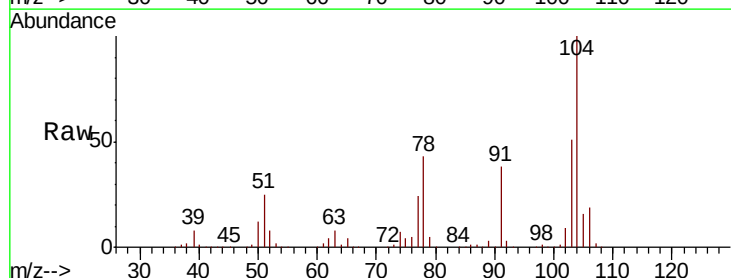
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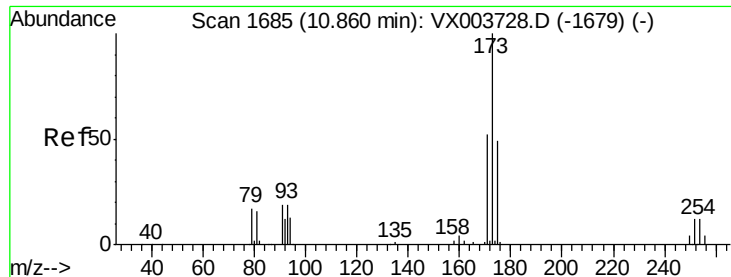
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#70
Styrene
Concen: 52.48 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003731.D
Acq: 30 Jul 2018 18:31

Tgt Ion:104 Resp: 189751
Ion Ratio Lower Upper
104 100
78 47.8 38.2 57.2
103 55.5 44.5 66.7





#71

Bromoform

Concen: 53.64 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX003731.D

Acq: 30 Jul 2018 18:31

Instrument :

MSVOA_X

ClientSampleId :

ICVVX073018

Tot Ion:173 Resp: 42148

Ion Ratio Lower Upper

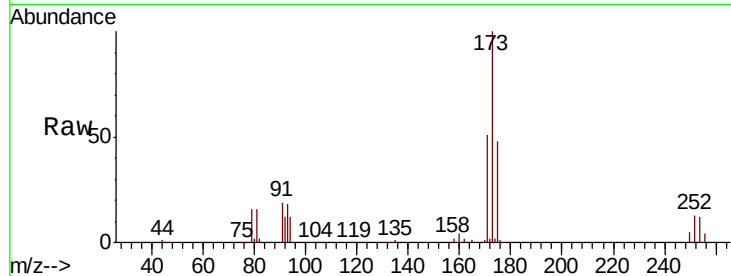
173 100

175 48.0 24.9 74.6

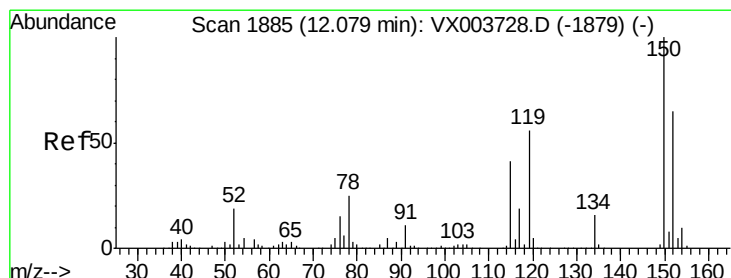
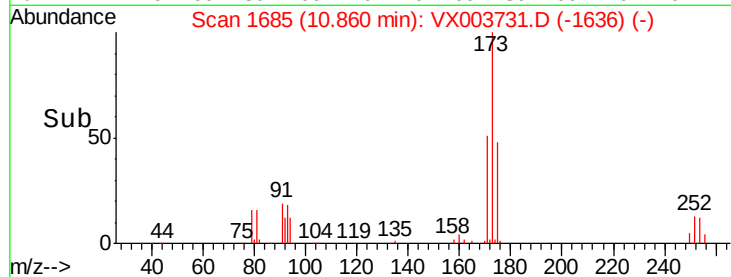
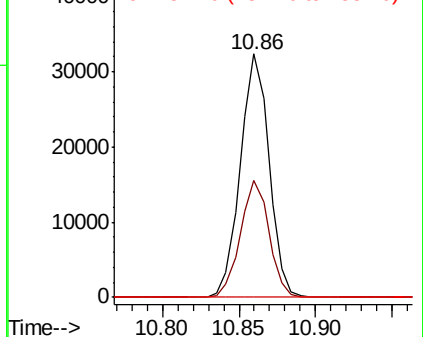
254 0.0 0.0 0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003731.D

Acq: 30 Jul 2018 18:31

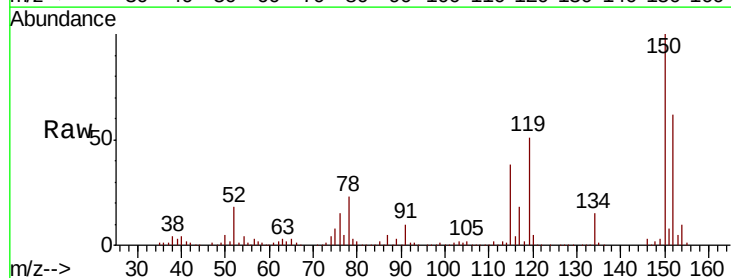
Tgt Ion:152 Resp: 95536

Ion Ratio Lower Upper

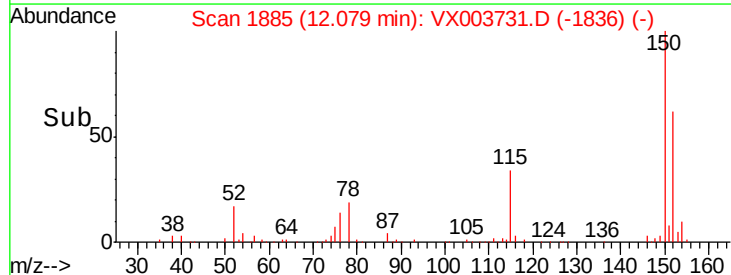
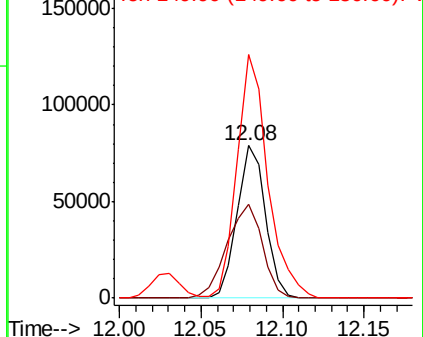
152 100

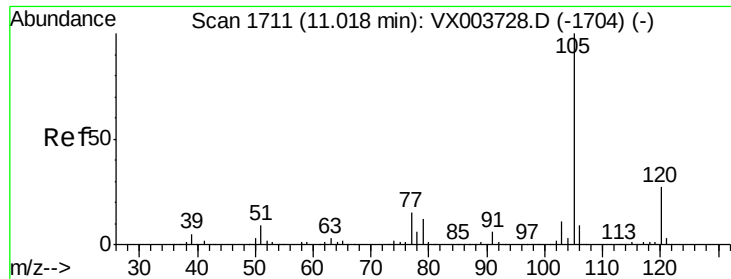
115 76.8 38.5 115.3

150 173.5 0.0 346.2



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





#73

Isopropylbenzene

Concen: 50.75 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. 0.00 min

Lab File: VX003731.D

Acq: 30 Jul 2018 18:31

Instrument :

MSVOA_X

ClientSampled :

ICVVX073018

Tot Ion: 105 Resp: 303544

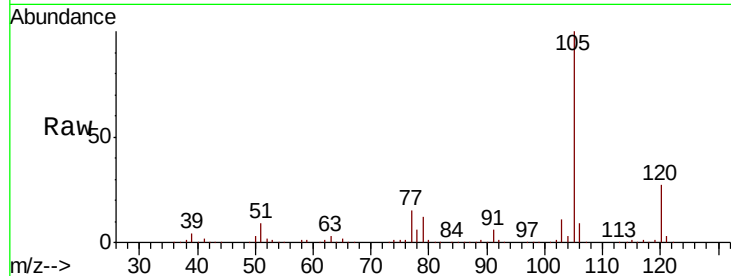
Ion Ratio Lower Upper

105 100

120 26.9 13.5 40.5

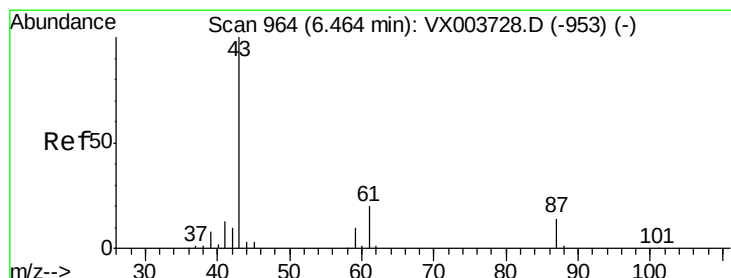
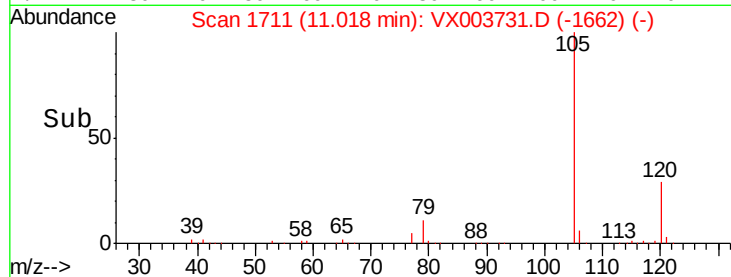
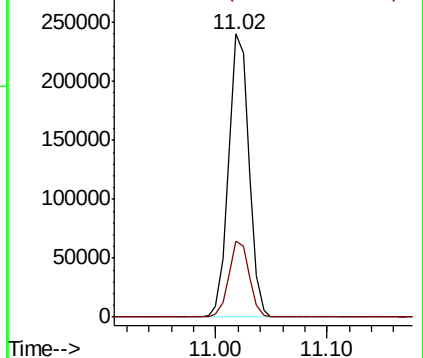
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.41 ug/l

RT: 6.46 min Scan# 964

Delta R.T. 0.00 min

Lab File: VX003731.D

Acq: 30 Jul 2018 18:31

Tgt Ion: 43 Resp: 106864

Ion Ratio Lower Upper

43 100

70 0.0 31.0 46.6#

55 0.0 18.9 28.3#

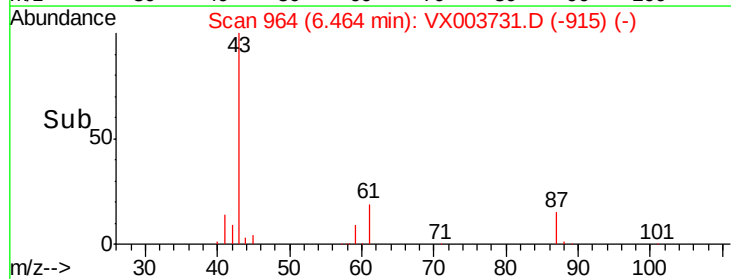
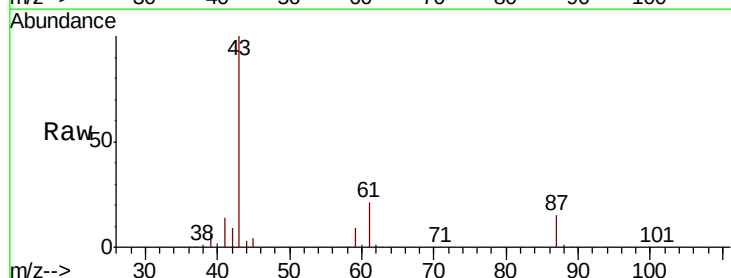
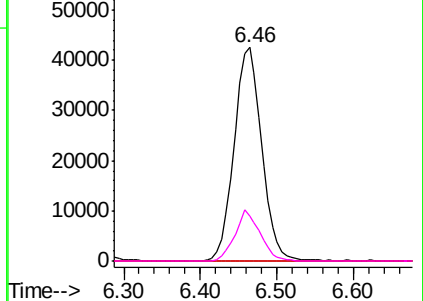
61 21.4 17.8 26.8

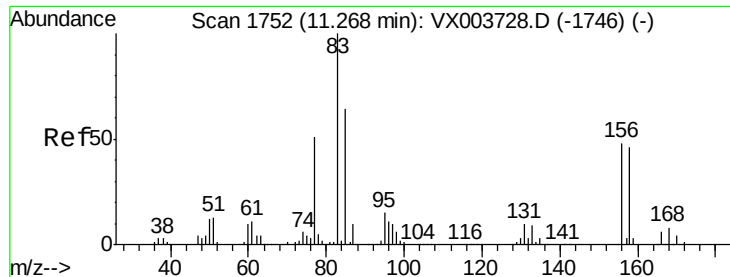
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 49.89 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. 0.00 min

Lab File: VX003731.D

Acq: 30 Jul 2018 18:31

Instrument :

MSVOA_X

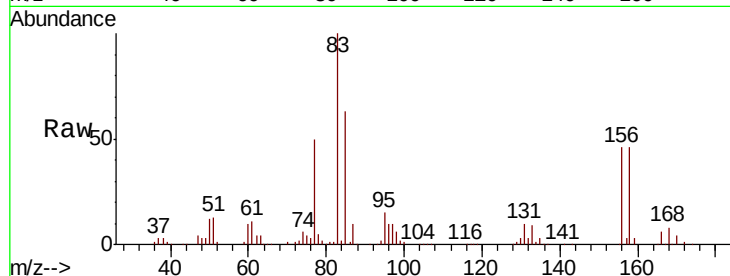
ClientSampleId :

ICVVX073018

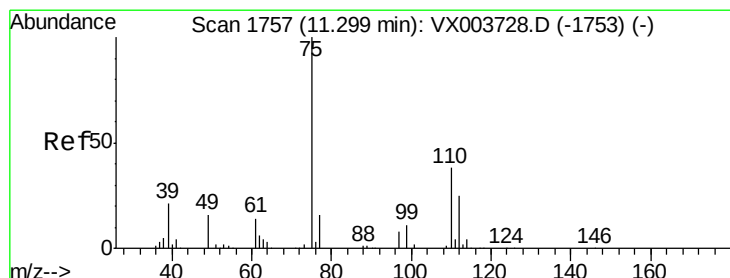
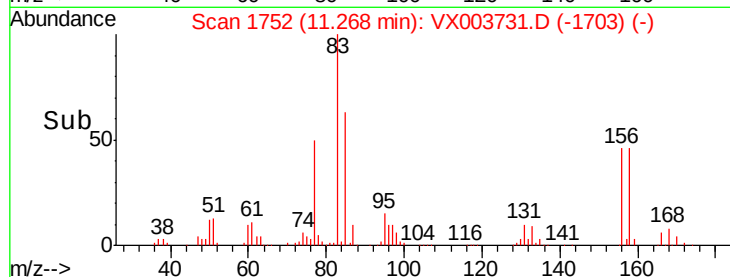
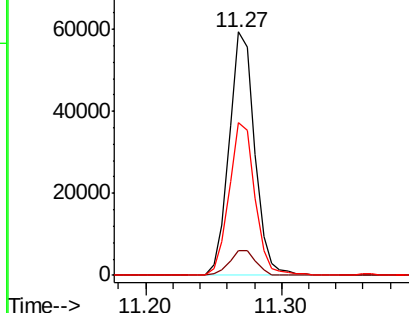
Tot Ion:	83	Resp:	77570
Ion	Ratio	Lower	Upper
83	100		
131	10.7	5.3	15.9
85	63.8	32.0	96.2

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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: 50.63 ug/l m

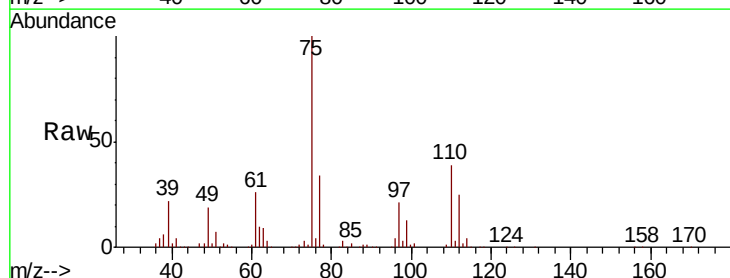
RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

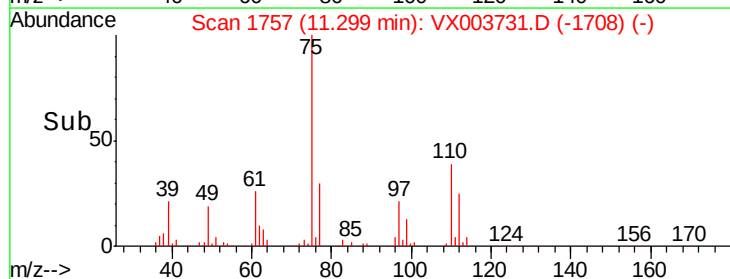
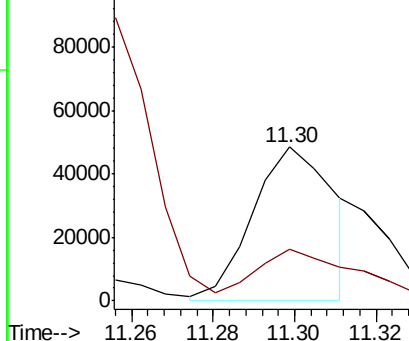
Lab File: VX003731.D

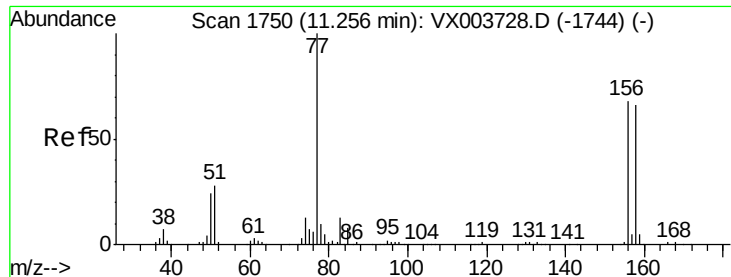
Acq: 30 Jul 2018 18:31

Tgt Ion:	75	Resp:	66666
Ion	Ratio	Lower	Upper
75	100		
77	42.8	21.6	65.0



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





#77

Bromobenzene

Concen: 51.34 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003731.D

Acq: 30 Jul 2018 18:31

Instrument :

MSVOA_X

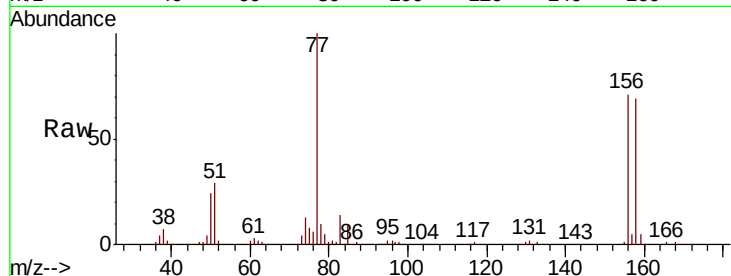
ClientSampleId :

ICVVX073018

Tot Ion	Ratio	Lower	Upper
156	100		
77	141.4	71.8	215.3
158	98.1	48.8	146.4

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MMDadoda
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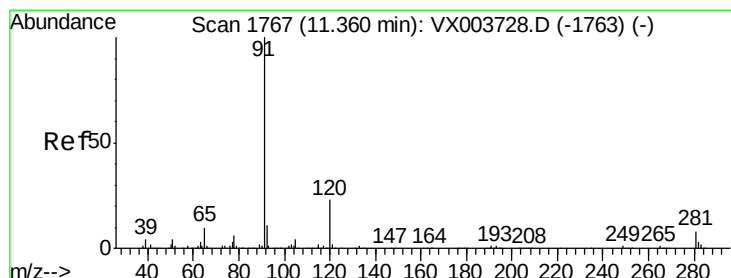
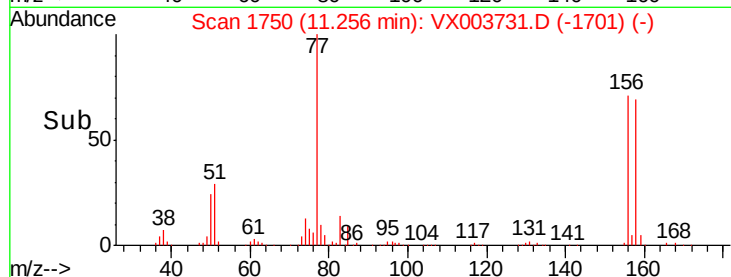
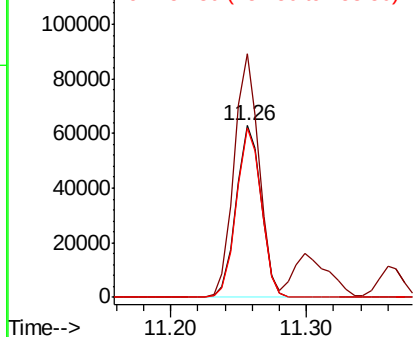


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.09 ug/l

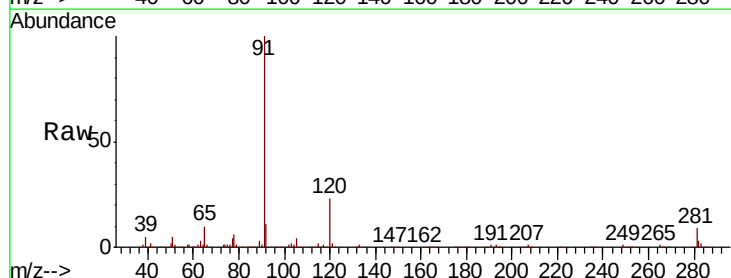
RT: 11.36 min Scan# 1767

Delta R.T. 0.00 min

Lab File: VX003731.D

Acq: 30 Jul 2018 18:31

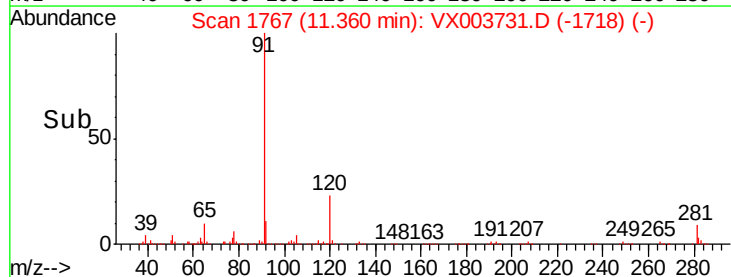
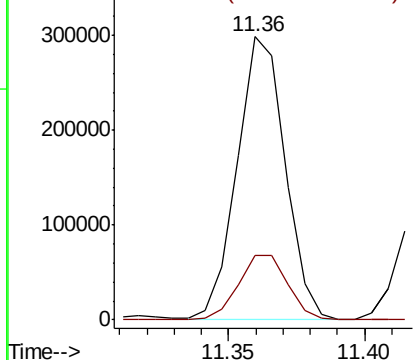
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.8	11.9	35.5

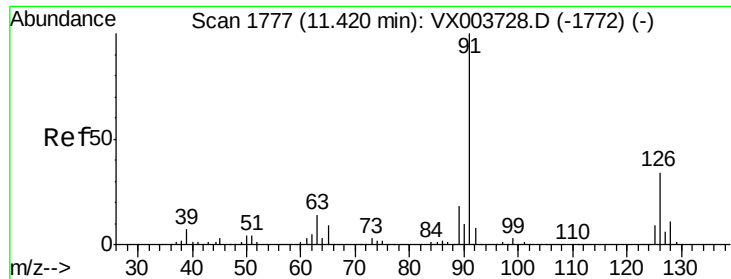


Abundance

Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





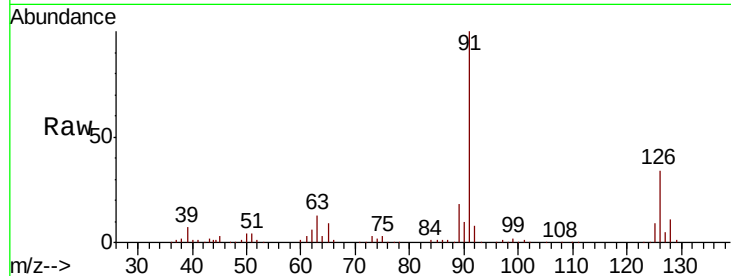
#79
 2-Chlorotoluene
 Concen: 49.99 ug/l
 RT: 11.42 min Scan# 1777
 Delta R.T. 0.00 min
 Lab File: VX003731.D
 Acq: 30 Jul 2018 18:31

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX073018

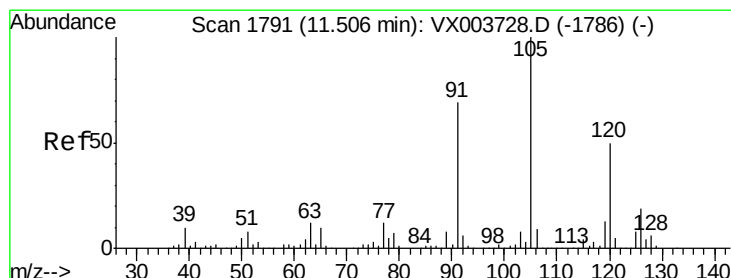
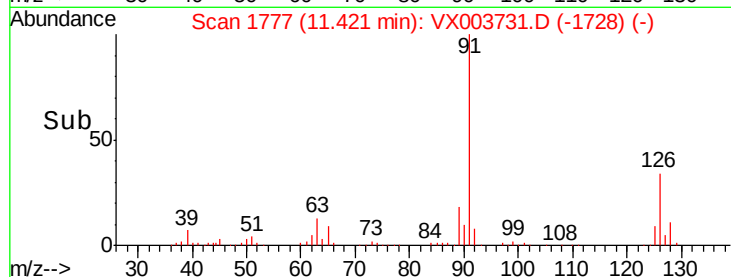
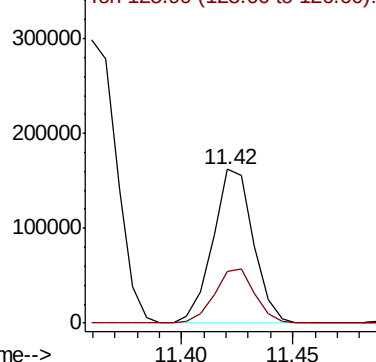
Tot Ion: 91 Resp: 205626
 Ion Ratio Lower Upper
 91 100
 126 35.3 17.6 52.8

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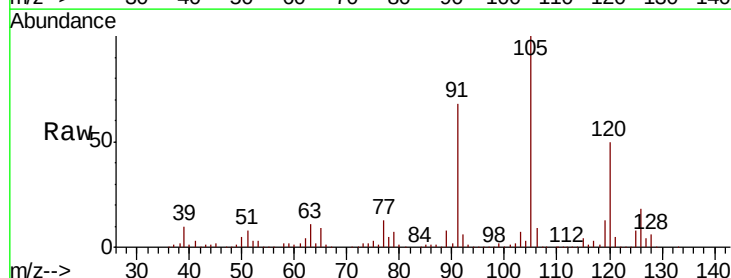


Abundance Ion 91.00 (90.70 to 91.70): VX0
 Ion 125.90 (125.60 to 126.60): V

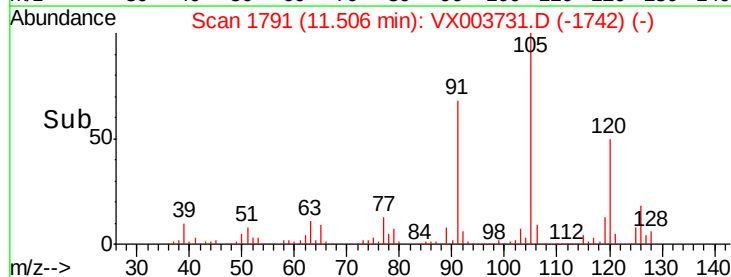
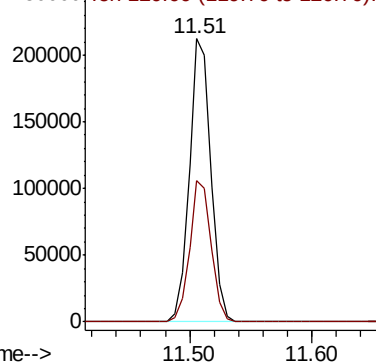


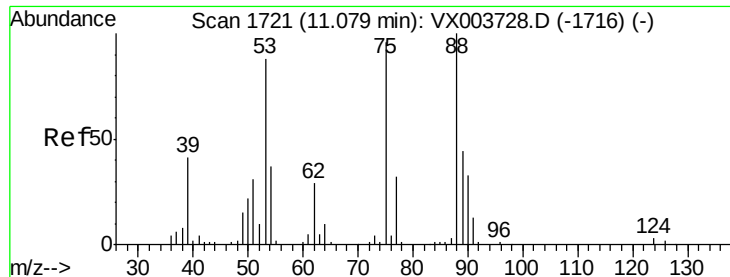
#80
 1,3,5-Trimethylbenzene
 Concen: 50.89 ug/l
 RT: 11.51 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX003731.D
 Acq: 30 Jul 2018 18:31

Tgt Ion:105 Resp: 259810
 Ion Ratio Lower Upper
 105 100
 120 49.7 15.8 47.4#



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 53.49 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX003731.D

Acq: 30 Jul 2018 18:31

Instrument :

MSVOA_X

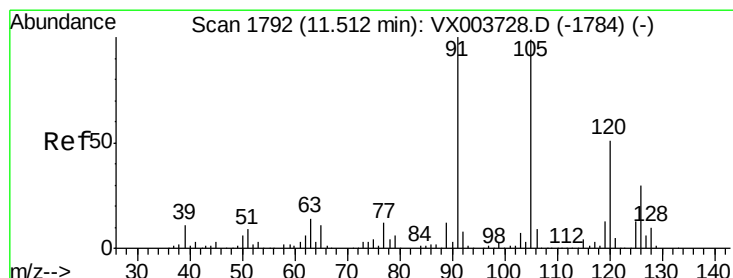
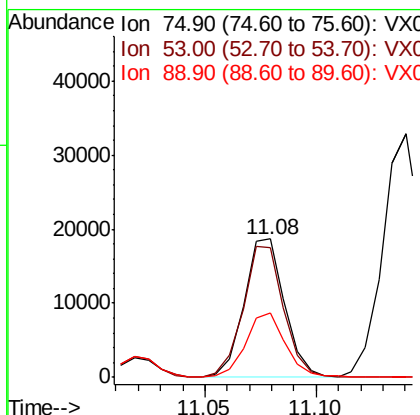
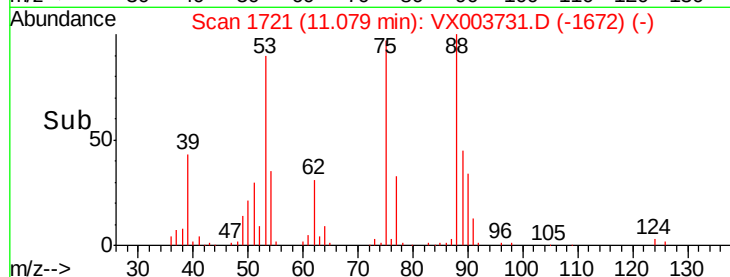
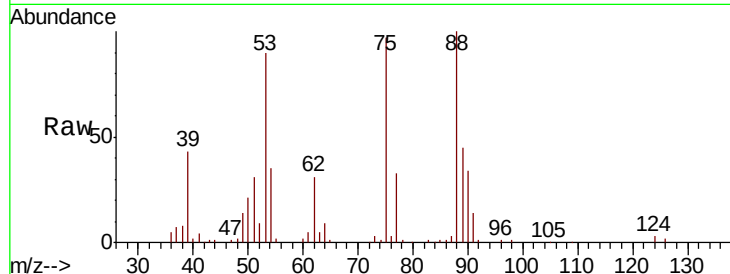
ClientSampled :

ICVVX073018

Tot Ion:	75	Resp:	23781
Ion	Ratio	Lower	Upper
75	100		
53	94.6	75.8	113.8
89	46.1	39.1	58.7

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#82

4-Chlorotoluene

Concen: 49.53 ug/l

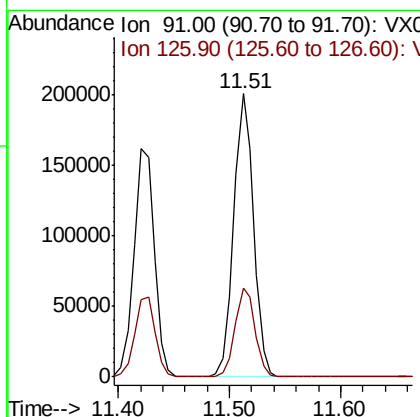
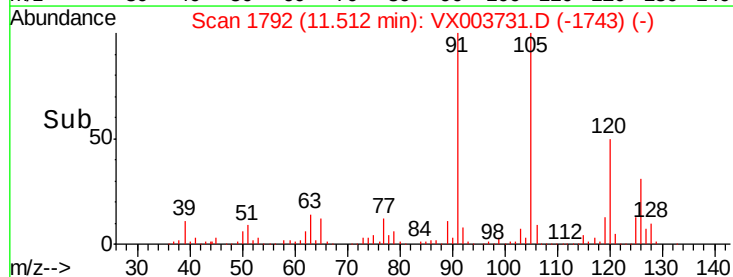
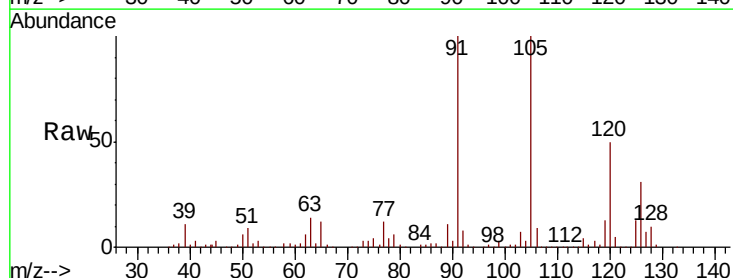
RT: 11.51 min Scan# 1792

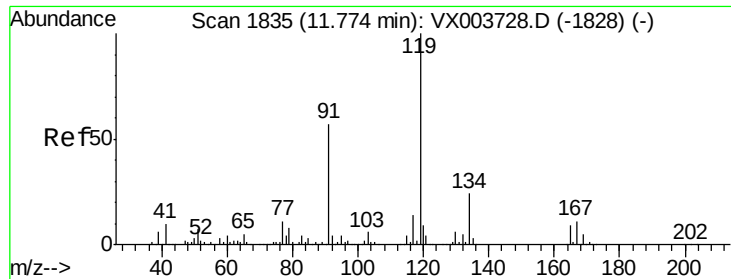
Delta R.T. 0.00 min

Lab File: VX003731.D

Acq: 30 Jul 2018 18:31

Tgt Ion:	91	Resp:	247127
Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.6	46.7





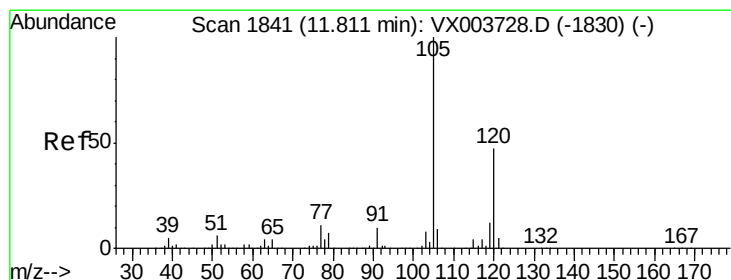
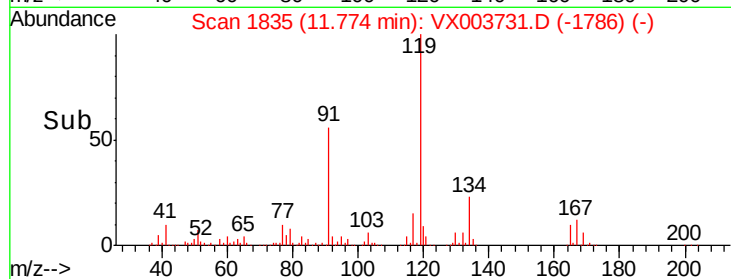
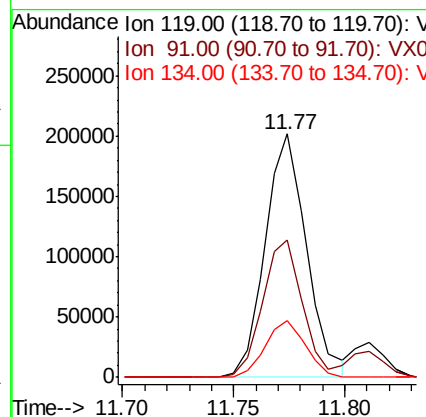
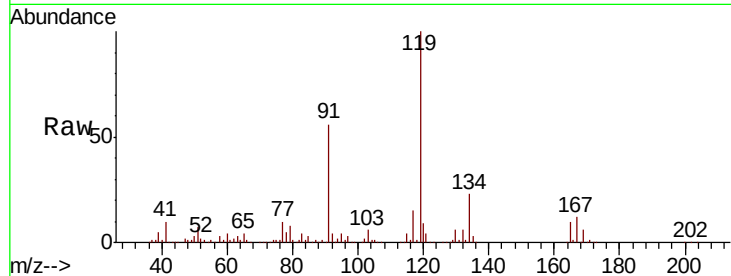
#83
 tert-Butylbenzene
 Concen: 51.47 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX003731.D
 Acq: 30 Jul 2018 18:31

Instrument :
 MSVOA_X
 ClientSampled :
 ICVVX073018

Tot Ion	Ratio	Resp	Lower	Upper
119	100	259886		
91	54.2		27.2	81.6
134	22.9		11.6	34.8

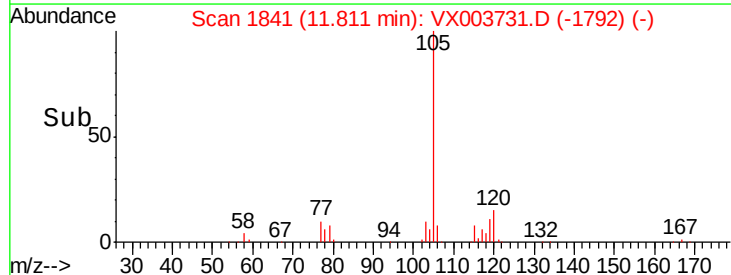
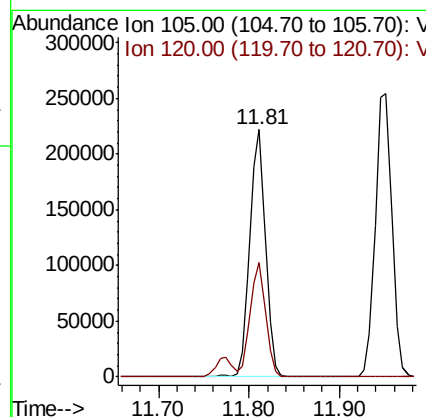
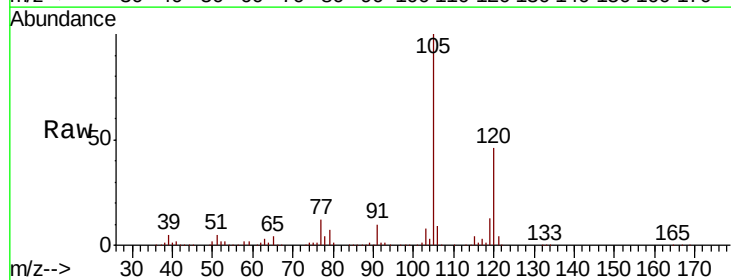
Manual Integrations
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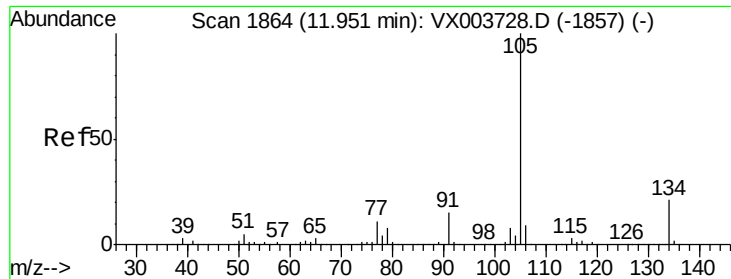
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.92 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003731.D
 Acq: 30 Jul 2018 18:31

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	267554		
120	45.8		23.1	69.2





#85

sec-Butylbenzene

Concen: 50.01 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003731.D

Acq: 30 Jul 2018 18:31

Instrument :

MSVOA_X

ClientSampleId :

ICVVX073018

Tot Ion:105 Resp: 323077

Ion Ratio Lower Upper

105 100

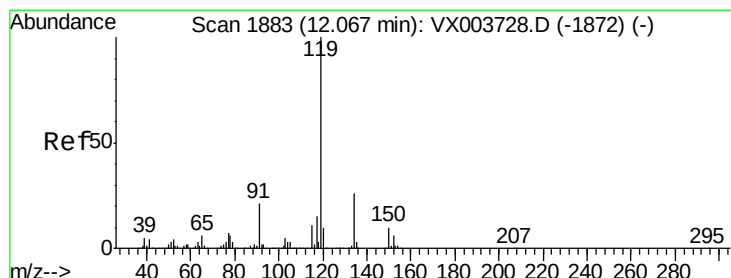
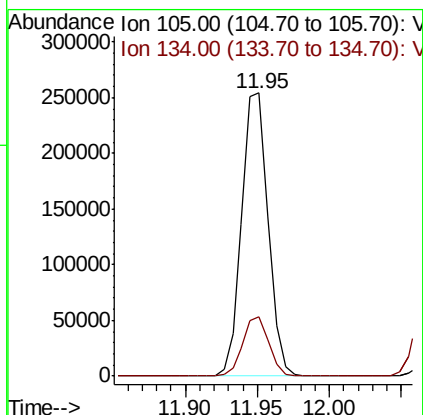
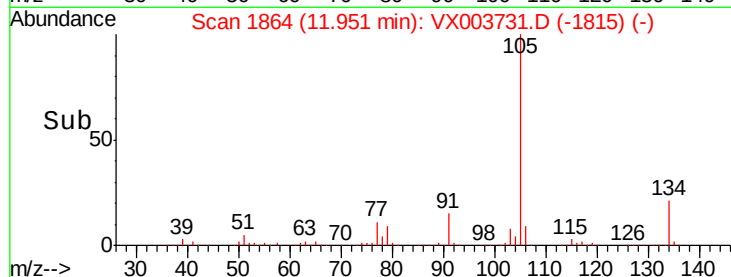
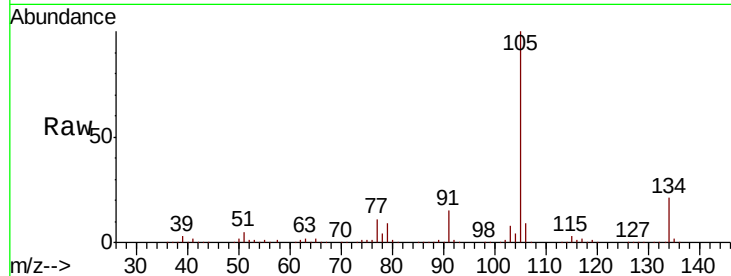
134 20.6 10.3 30.8

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#86

p-Isopropyltoluene

Concen: 50.17 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003731.D

Acq: 30 Jul 2018 18:31

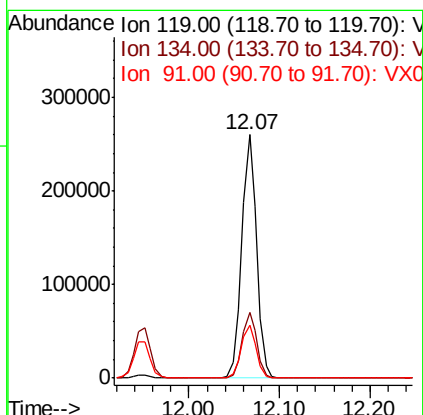
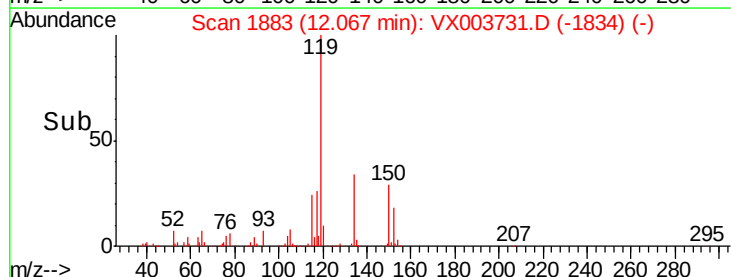
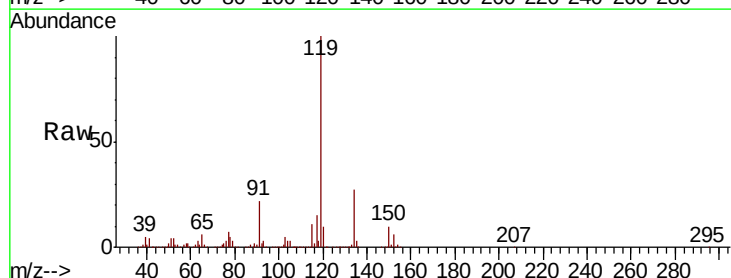
Tgt Ion:119 Resp: 294575

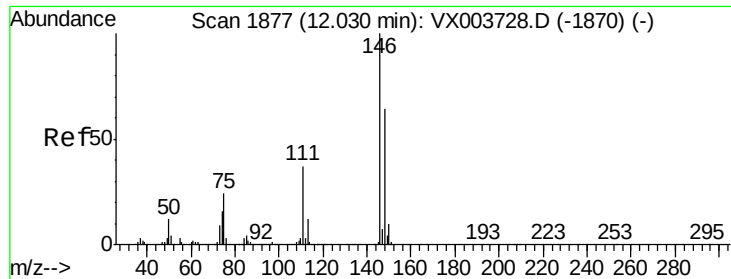
Ion Ratio Lower Upper

119 100

134 26.8 10.1 30.1

91 21.9 23.6 70.8#





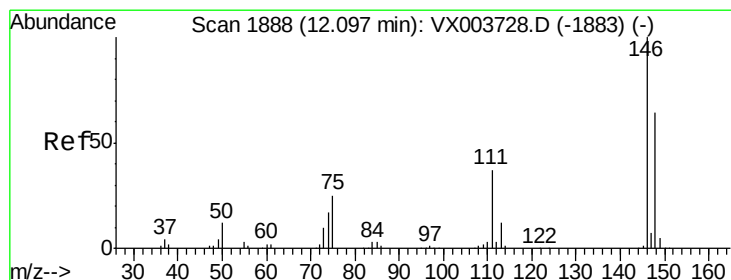
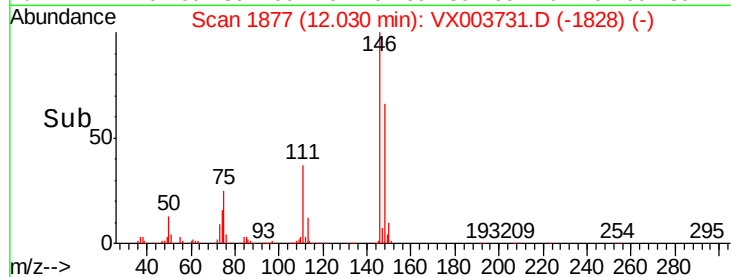
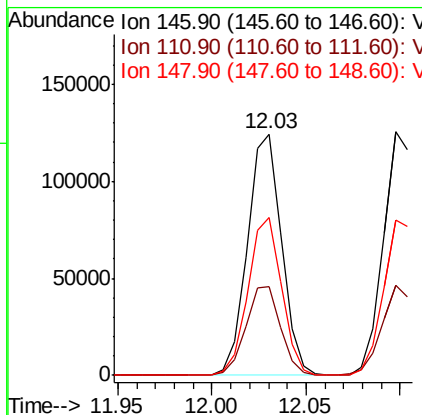
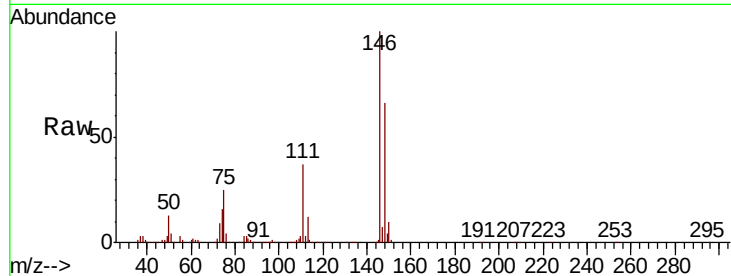
#87
 1,3-Dichlorobenzene
 Concen: 49.56 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX003731.D
 Acq: 30 Jul 2018 18:31

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX073018

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.8	56.3
148	64.3	31.9	95.9

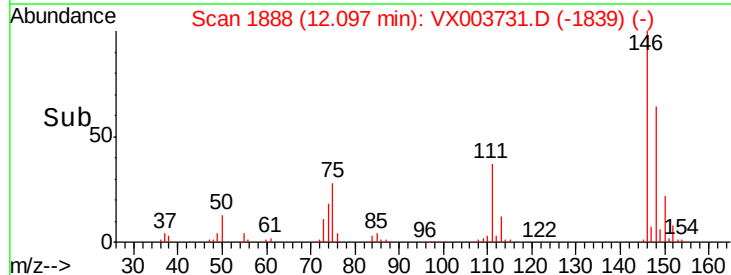
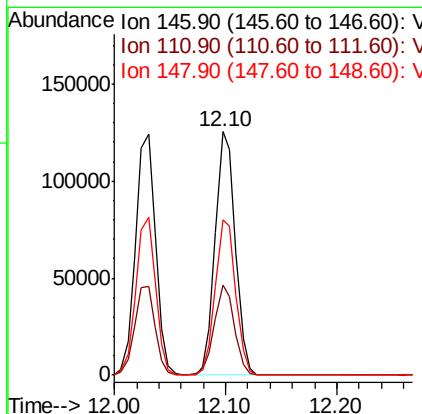
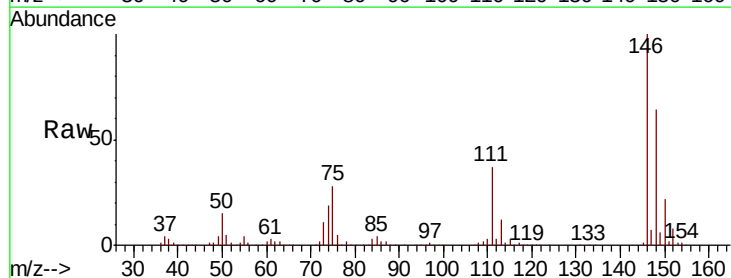
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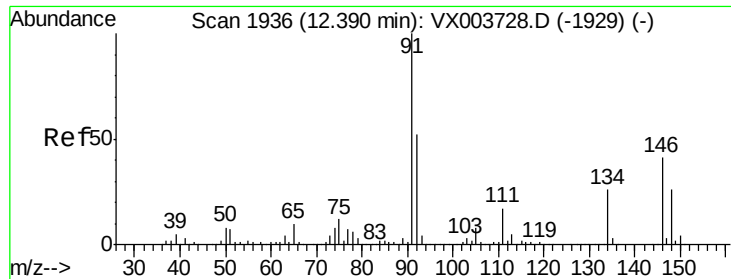
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#88
 1,4-Dichlorobenzene
 Concen: 49.00 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. 0.00 min
 Lab File: VX003731.D
 Acq: 30 Jul 2018 18:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.3	54.9
148	64.6	32.0	96.2





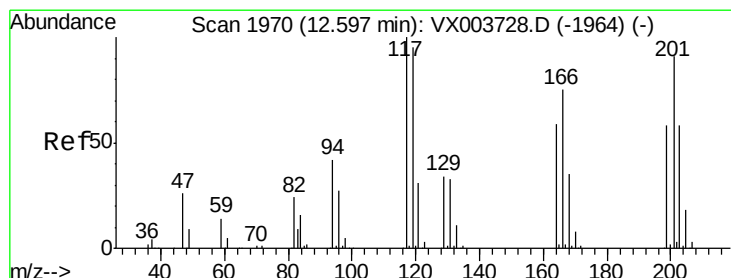
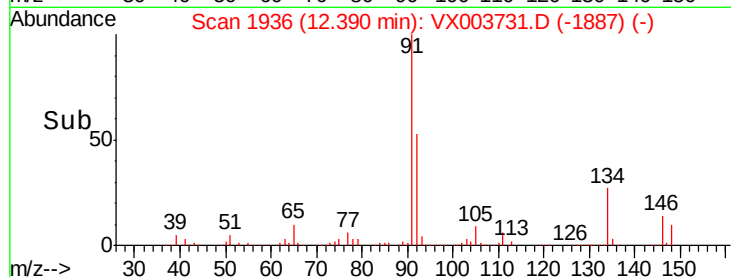
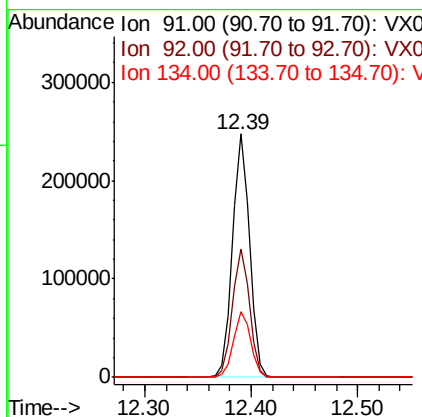
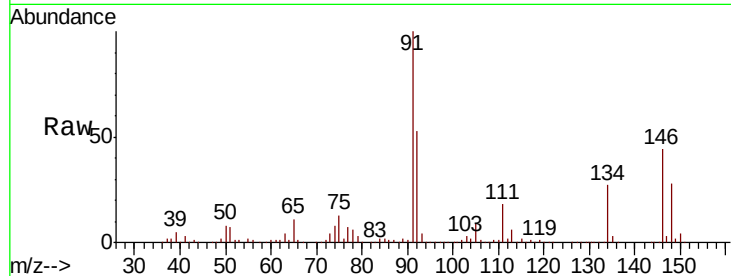
#89
n-Butylbenzene
Concen: 50.10 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003731.D
Acq: 30 Jul 2018 18:31

Instrument :
MSVOA_X
ClientSampleId :
ICVVX073018

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.2	78.5
134	27.3	13.6	40.7

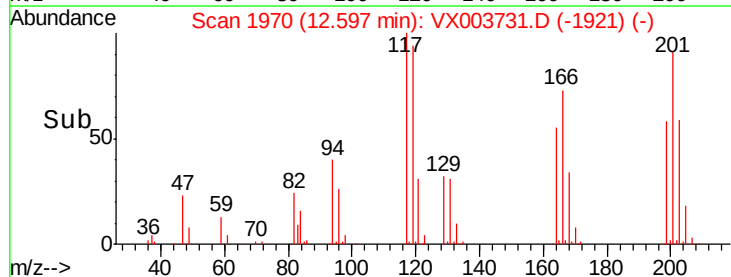
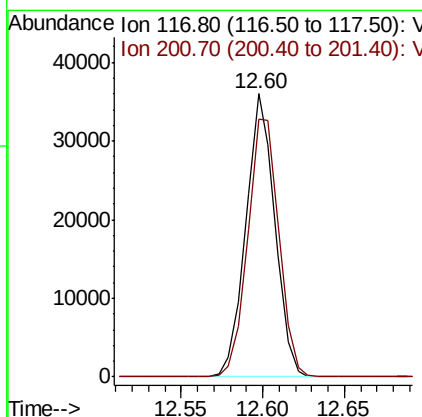
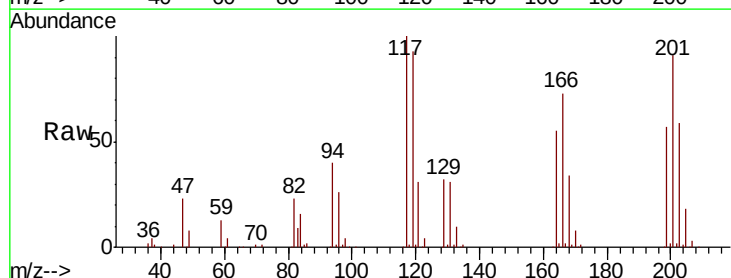
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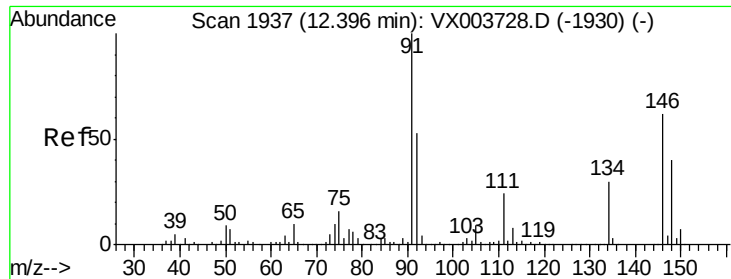
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#90
Hexachloroethane
Concen: 51.21 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX003731.D
Acq: 30 Jul 2018 18:31

Tgt Ion	Ratio	Lower	Upper
117	100		
201	98.2	49.3	147.8





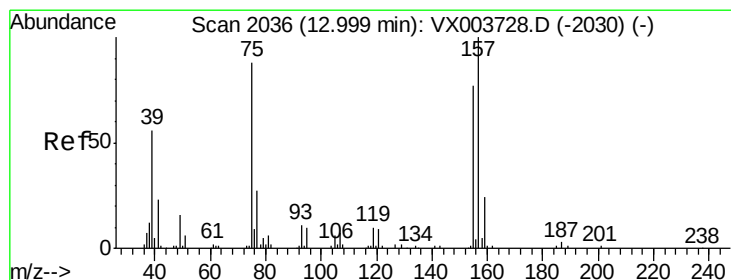
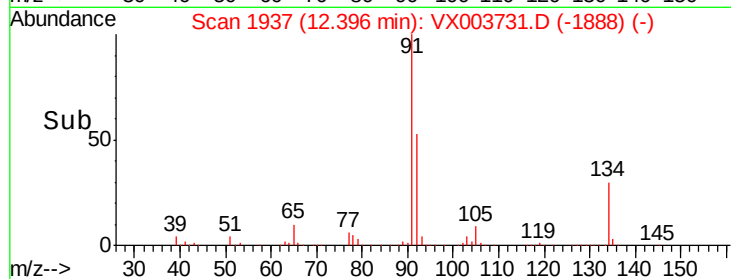
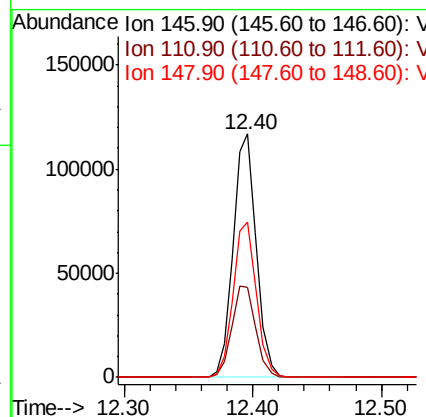
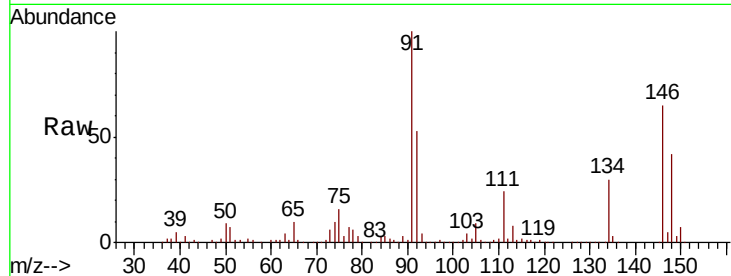
#91
 1,2-Dichlorobenzene
 Concen: 50.20 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX003731.D
 Acq: 30 Jul 2018 18:31

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX073018

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.4	58.4
148	63.9	32.0	96.0

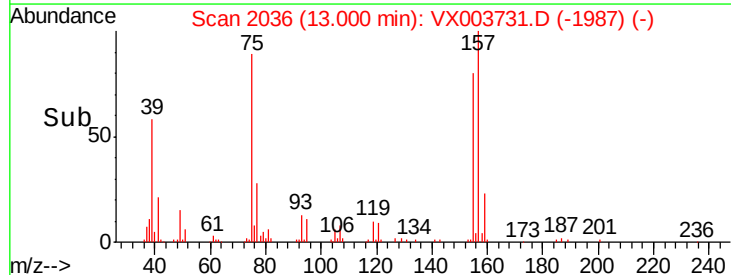
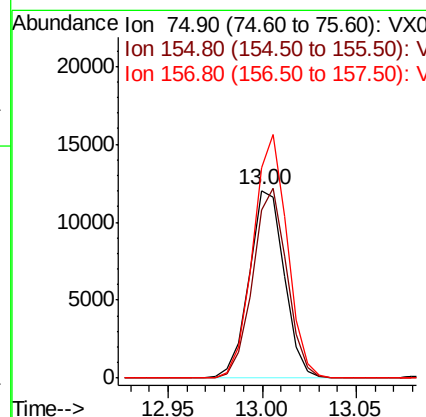
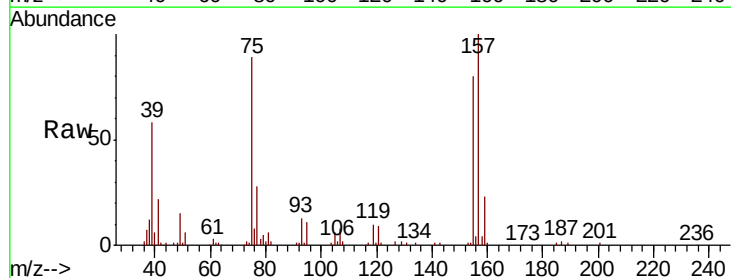
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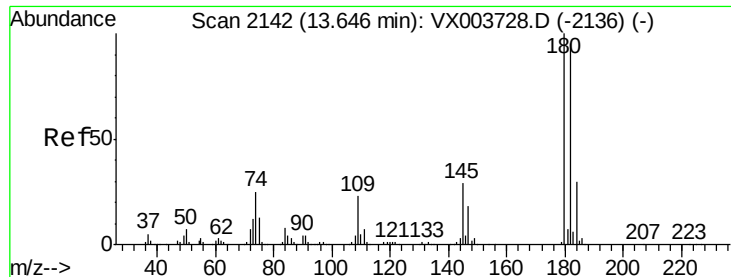
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.34 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VX003731.D
 Acq: 30 Jul 2018 18:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.7	48.9	146.7
157	125.6	63.7	191.1





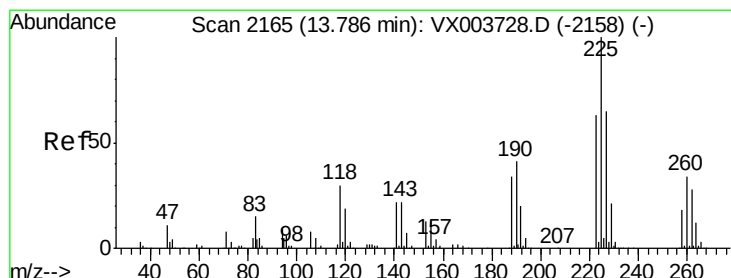
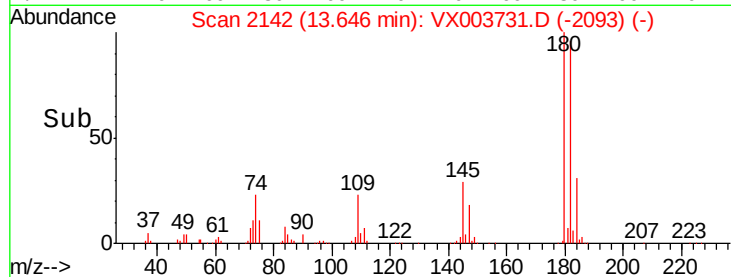
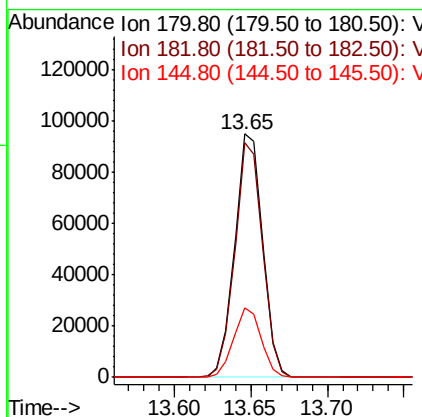
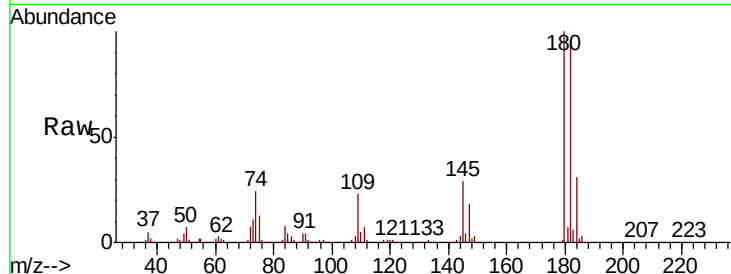
#93
1,2,4-Trichlorobenzene
Concen: 51.54 ug/l
RT: 13.65 min Scan# 2142
Delta R.T. 0.00 min
Lab File: VX003731.D
Acq: 30 Jul 2018 18:31

Instrument :
MSVOA_X
ClientSampleId :
ICVVX073018

Tot Ion	Ratio	Resp	Lower	Upper
180	100	120098		
182	95.2	47.6	142.9	
145	28.1	14.1	42.2	

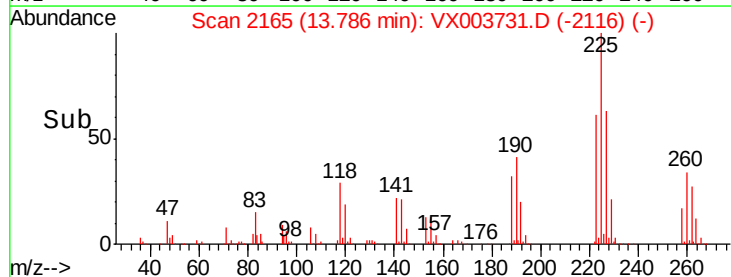
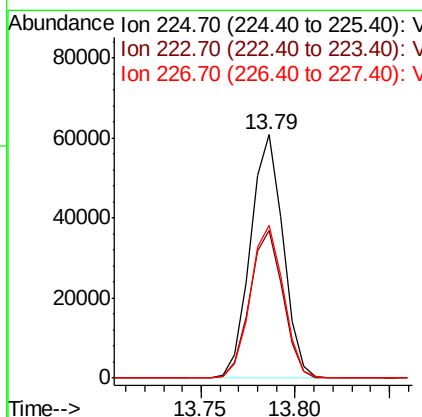
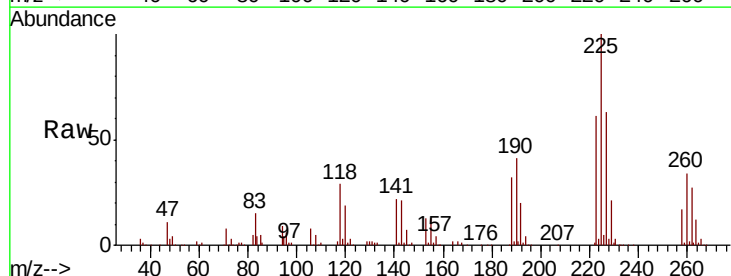
Manual Integrations
APPROVED

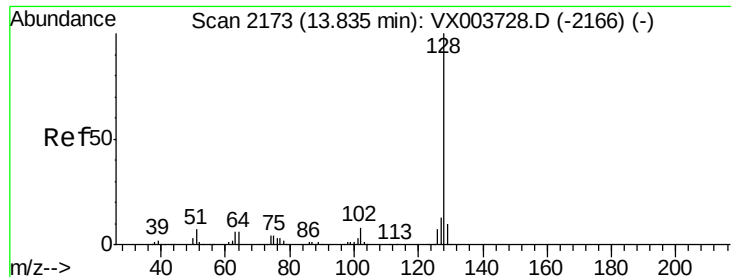
MMDadoda
8/1/2018 10:40:22 AM



#94
Hexachlorobutadiene
Concen: 49.06 ug/l
RT: 13.79 min Scan# 2165
Delta R.T. 0.00 min
Lab File: VX003731.D
Acq: 30 Jul 2018 18:31

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	73110		
223	61.5	31.1	93.5	
227	63.7	31.9	95.9	





#95

Naphthalene

Concen: 54.32 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. 0.00 min

Lab File: VX003731.D

Acq: 30 Jul 2018 18:31

Instrument :

MSVOA_X

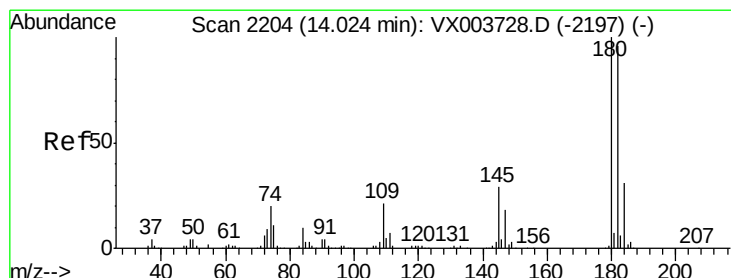
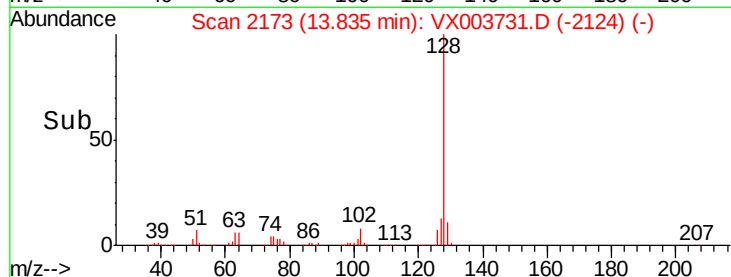
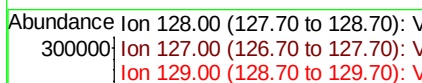
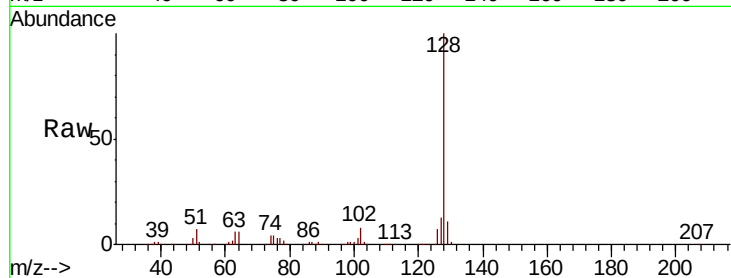
ClientSampleId :

ICVX073018

Tot Ion:	128	Resp:	270495
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.2	15.2
129	11.1	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
8/1/2018 10:40:22 AM



#96

1,2,3-Trichlorobenzene

Concen: 52.24 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX003731.D

Acq: 30 Jul 2018 18:31

Tgt Ion:	180	Resp:	110507
Ion Ratio	Lower	Upper	
180	100		
182	95.6	47.9	143.8
145	29.7	14.7	44.1

