

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX031418\
 Data File : VX000321.D
 Acq On : 14 Mar 2018 18:32
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICSVX031418

Manual Integrations
 APPROVED

sam
 3/15/2018 3:37:16 PM

Quant Time: Mar 15 03:42:38 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X031418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 15 03:39:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	133555	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	223538	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	231237	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	148078	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	89134	48.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.48%	
35) Dibromofluoromethane	5.51	113	70620	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	
50) Toluene-d8	8.73	98	296098	50.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.66%	
62) 4-Bromofluorobenzene	11.15	95	118122	50.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	77432	53.82	ug/l	97
3) Chloromethane	1.32	50	77843	53.08	ug/l	99
4) Vinyl Chloride	1.41	62	84308	51.33	ug/l	99
5) Bromomethane	1.64	94	94273	51.43	ug/l	98
6) Chloroethane	1.73	64	55535	47.57	ug/l	95
7) Trichlorofluoromethane	1.93	101	143314	50.23	ug/l	99
8) Diethyl Ether	2.20	74	49421	48.66	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	75916	49.42	ug/l	99
10) Methyl Iodide	2.52	142	76114	49.04	ug/l	100
11) Tert butyl alcohol	3.07	59	146308	244.74	ug/l	99
12) 1,1-Dichloroethene	2.38	96	71119	48.78	ug/l	99
13) Acrolein	2.30	56	65566	254.93	ug/l	99
14) Allyl chloride	2.73	41	124701	47.97	ug/l	99
15) Acrylonitrile	3.16	53	278437	241.56	ug/l	99
16) Acetone	2.45	43	295714	239.71	ug/l	99
17) Carbon Disulfide	2.57	76	212200	49.83	ug/l	99
18) Methyl Acetate	2.78	43	130887	47.41	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	251689	49.04	ug/l	99
20) Methylene Chloride	2.86	84	75454	47.24	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	77839	48.29	ug/l	94
22) Diisopropyl ether	3.88	45	195933	45.28	ug/l	98
23) Vinyl Acetate	3.84	43	941324	228.25	ug/l	100
24) 1,1-Dichloroethane	3.71	63	124994	45.92	ug/l	99
25) 2-Butanone	4.72	43	368142	249.68	ug/l	100
26) 2,2-Dichloropropane	4.60	77	98941	50.36	ug/l	100
27) cis-1,2-Dichloroethene	4.61	96	69959	47.52	ug/l	99
28) Bromochloromethane	5.03	49	60454	52.84	ug/l	99
29) Tetrahydrofuran	5.18	42	231350	243.78	ug/l	99
30) Chloroform	5.23	83	129001	50.20	ug/l	99
31) Cyclohexane	5.59	56	103318	49.47	ug/l	98
32) 1,1,1-Trichloroethane	5.51	97	115959	51.06	ug/l	100
36) 1,1-Dichloropropene	5.81	75	98175	48.34	ug/l	99
37) Ethyl Acetate	4.87	43	129307	47.90	ug/l	99
38) Carbon Tetrachloride	5.79	117	101763	49.70	ug/l	96

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	116838	49.32	ug/l	99
40) Benzene	6.16	78	282842	49.08	ug/l	99
41) Methacrylonitrile	5.07	41	66338	46.80	ug/l	98
42) 1,2-Dichloroethane	6.21	62	108535	47.52	ug/l	98
43) Isopropyl Acetate	6.48	43	195655	50.22	ug/l	99
44) Trichloroethene	7.23	130	81004	48.51	ug/l	98
45) 1,2-Dichloropropane	7.52	63	70693	49.74	ug/l	100
46) Dibromomethane	7.67	93	56119	49.16	ug/l	100
47) Bromodichloromethane	7.91	83	103371	51.01	ug/l	98
48) Methyl methacrylate	7.79	41	95839	48.65	ug/l	99
49) 1,4-Dioxane	7.77	88	43646	984.76	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	753051	248.89	ug/l	99
52) Toluene	8.79	92	203529	50.28	ug/l	98
53) t-1,3-Dichloropropene	8.45	75	120998	51.73	ug/l	96
54) cis-1,3-Dichloropropene	9.05	75	121057	52.93	ug/l	98
55) 1,1,2-Trichloroethane	9.23	97	79855	49.17	ug/l	97
56) Ethyl methacrylate	9.19	69	126845	52.74	ug/l	98
57) 1,3-Dichloropropane	9.38	76	131033	49.80	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.32	63	303029	295.38	ug/l	100
59) 2-Hexanone	9.51	43	640853	251.40	ug/l	99
60) Dibromochloromethane	9.59	129	92522	53.87	ug/l	99
61) 1,2-Dibromoethane	9.68	107	91749	50.96	ug/l	99
64) Tetrachloroethene	9.34	164	77176	51.99	ug/l	98
65) Chlorobenzene	10.15	112	239520	50.86	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	82257	51.94	ug/l	100
67) Ethyl Benzene	10.26	91	403145	50.22	ug/l	99
68) m/p-Xylenes	10.37	106	330808	105.76	ug/l	98
69) o-Xylene	10.71	106	155851	51.29	ug/l	100
70) Styrene	10.72	104	270810	53.71	ug/l	96
71) Bromoform	10.87	173	72986	45.84	ug/l #	97
73) Isopropylbenzene	11.02	105	431189	48.35	ug/l	99
74) N-amyl acetate	6.48	43	195655	45.83	ug/l #	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	149586	47.12	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	132152m	49.38	ug/l	
77) Bromobenzene	11.26	156	110249	47.10	ug/l	98
78) n-propylbenzene	11.37	91	510621	47.48	ug/l	100
79) 2-Chlorotoluene	11.43	91	286606	46.96	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	373371	49.14	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.09	75	43987	45.08	ug/l	99
82) 4-Chlorotoluene	11.52	91	357345	47.64	ug/l	97
83) tert-Butylbenzene	11.78	119	366310	49.42	ug/l	98
84) 1,2,4-Trimethylbenzene	11.82	105	383610	49.11	ug/l	98
85) sec-Butylbenzene	11.96	105	457414	49.30	ug/l	100
86) p-Isopropyltoluene	12.07	119	416915	50.49	ug/l	99
87) 1,3-Dichlorobenzene	12.04	146	221521	48.22	ug/l	99
88) 1,4-Dichlorobenzene	12.11	146	234147	49.05	ug/l	98
89) n-Butylbenzene	12.40	91	382229	47.60	ug/l	99
90) Hexachloroethane	12.60	117	65199	49.22	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	217332	48.84	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	41302	48.06	ug/l	98

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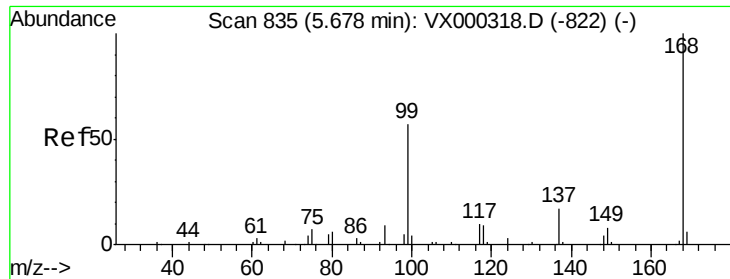
Manual Integrations
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3/15/2018 3:37:16 PM

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.66	180	150432	46.93	ug/l	99
94) Hexachlorobutadiene	13.79	225	58284	46.10	ug/l	98
95) Naphthalene	13.84	128	546396	49.12	ug/l	99
96) 1,2,3-Trichlorobenzene	14.03	180	150817	46.58	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.00 min

Lab File: VX000321.D

Acq: 14 Mar 2018 18:32

Tot Ion: 168 Resp: 133555

Ion Ratio Lower Upper

168 100

99 54.3 45.8 68.6

Instrument :

MSVOA_X

ClientSampled :

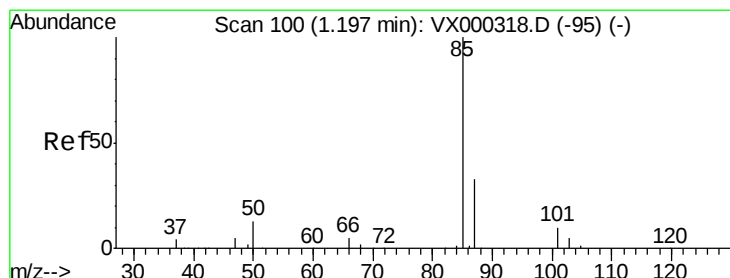
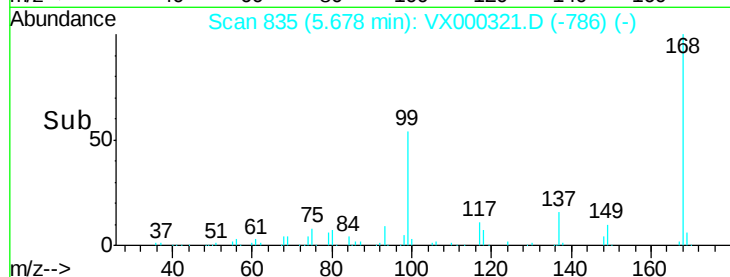
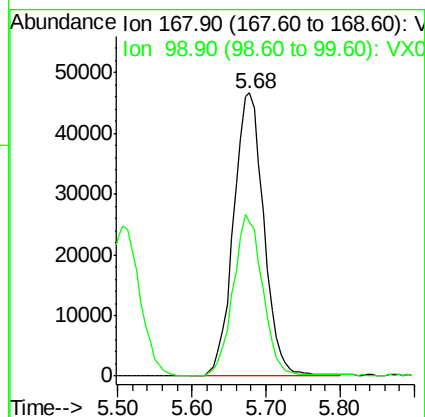
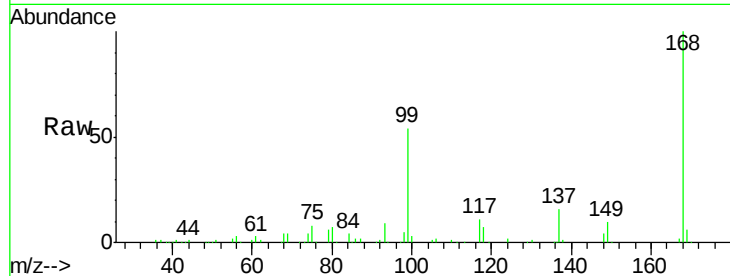
ICVVX031418

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 53.82 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX000321.D

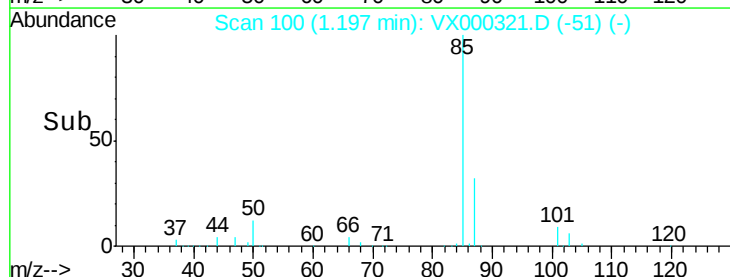
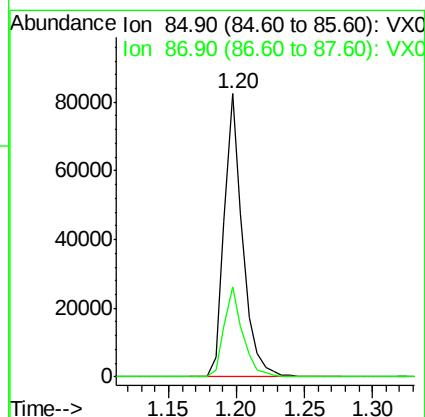
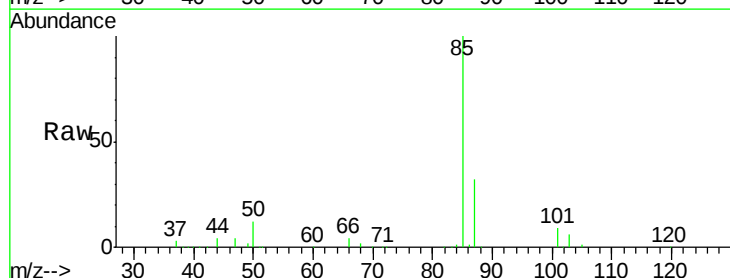
Acq: 14 Mar 2018 18:32

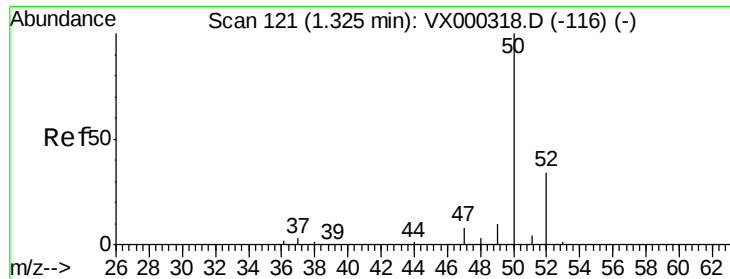
Tgt Ion: 85 Resp: 77432

Ion Ratio Lower Upper

85 100

87 31.9 16.8 50.3





#3

Chloromethane

Concen: 53.08 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX000321.D

Acq: 14 Mar 2018 18:32

Instrument :

MSVOA_X

ClientSampleId :

ICVVX031418

Tot Ion: 50 Resp: 77843

Ion Ratio Lower Upper

50 100

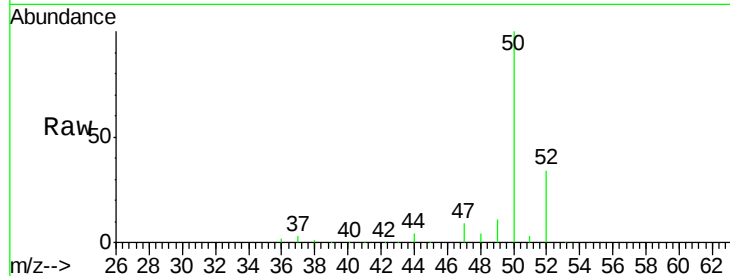
52 33.6 27.5 41.3

Manual Integrations

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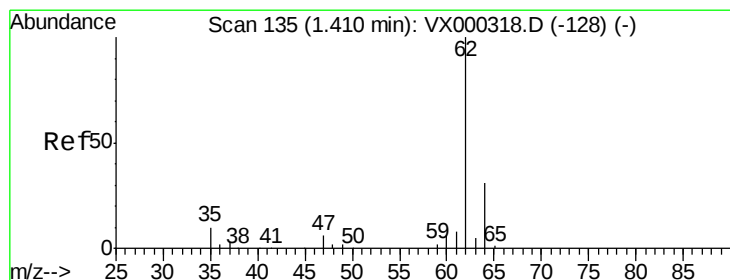
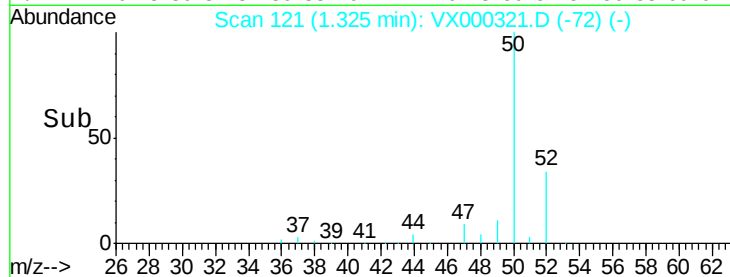
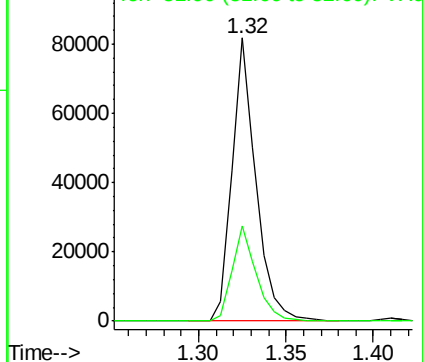
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 51.33 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX000321.D

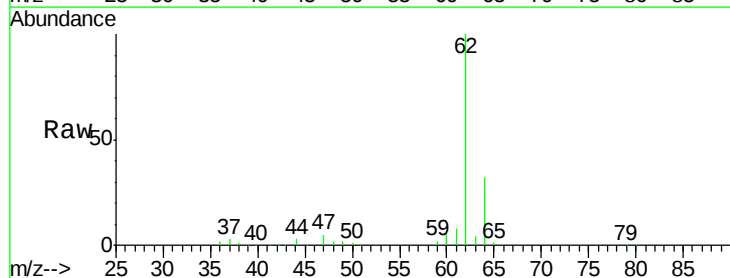
Acq: 14 Mar 2018 18:32

Tgt Ion: 62 Resp: 84308

Ion Ratio Lower Upper

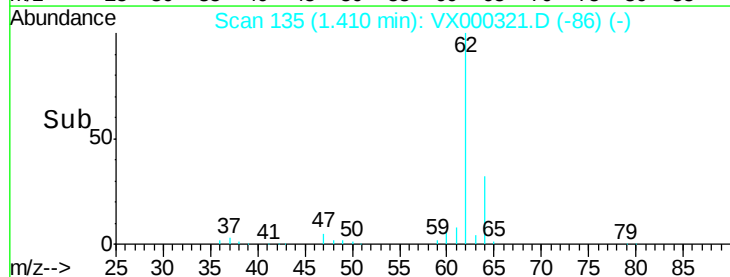
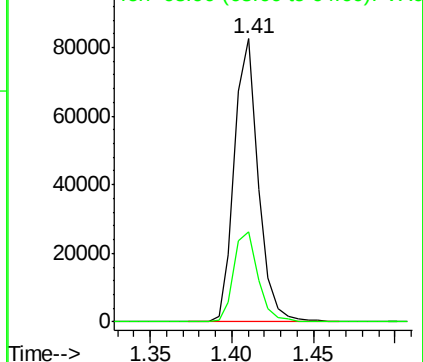
62 100

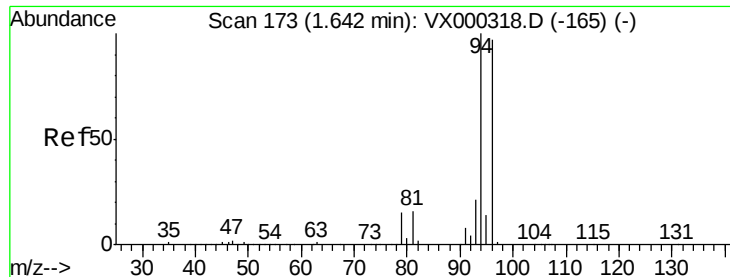
64 31.8 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 51.43 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.00 min

Lab File: VX000321.D

Acq: 14 Mar 2018 18:32

Instrument :

MSVOA_X

ClientSampleId :

ICVVX031418

Tot Ion: 94 Resp: 94273

Ion Ratio Lower Upper

94 100

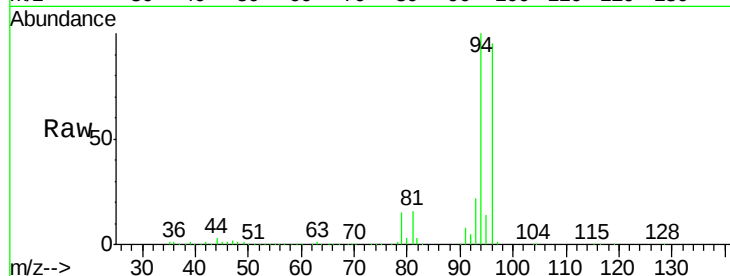
96 95.0 77.7 116.5

Manual Integrations

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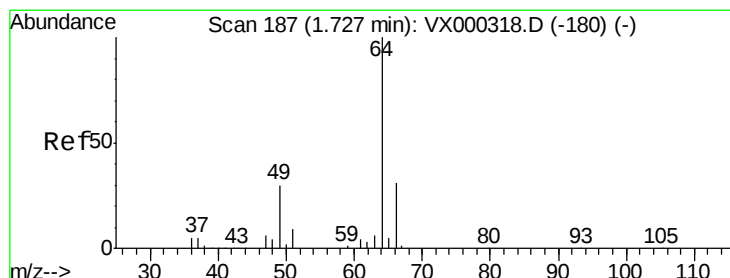
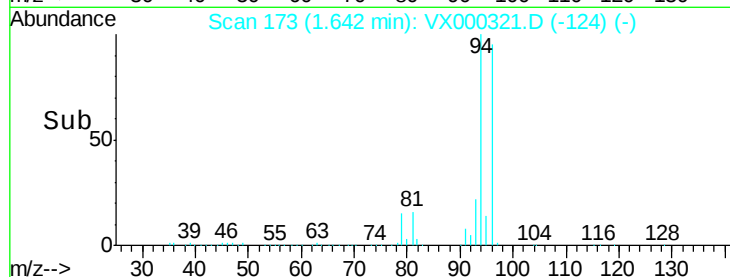
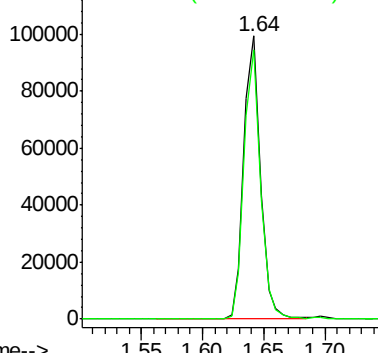
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 47.57 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX000321.D

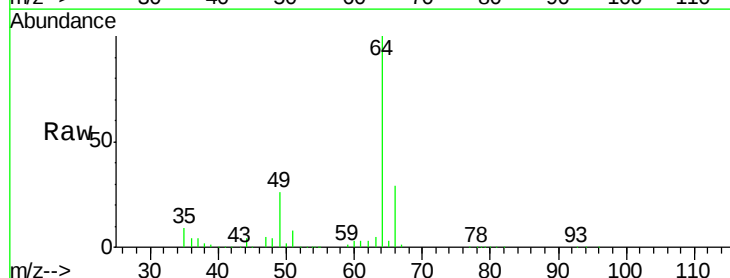
Acq: 14 Mar 2018 18:32

Tgt Ion: 64 Resp: 55535

Ion Ratio Lower Upper

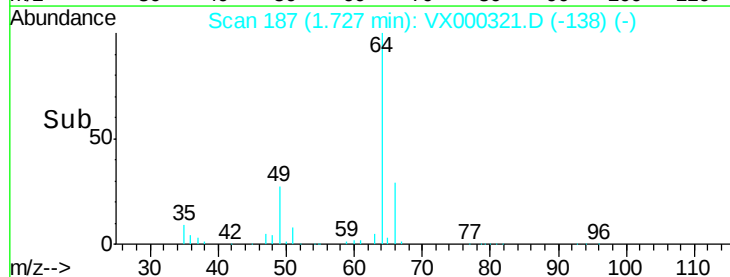
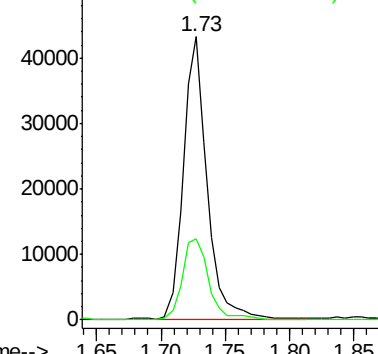
64 100

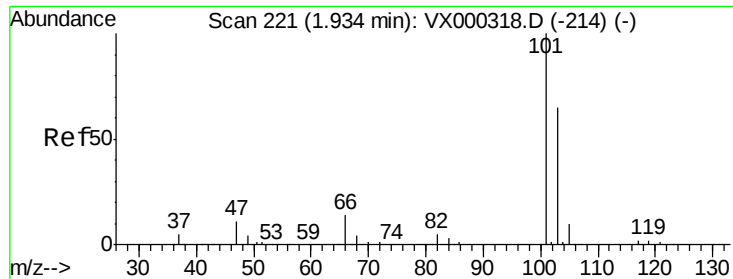
66 28.4 24.8 37.2



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

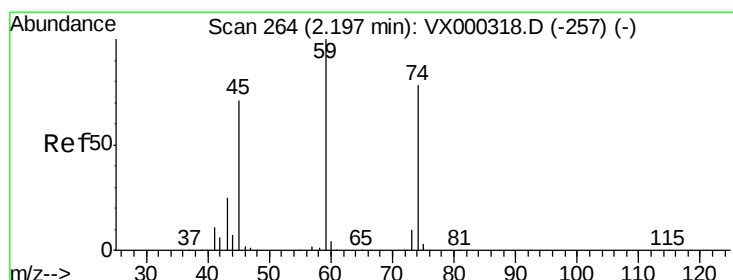
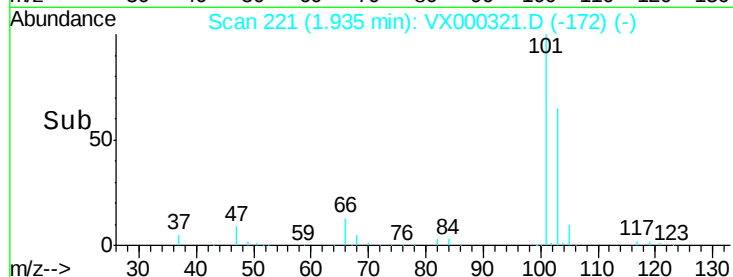
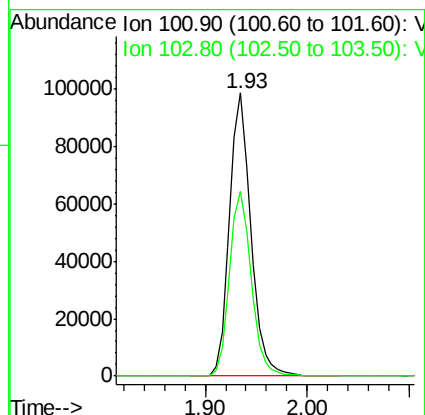
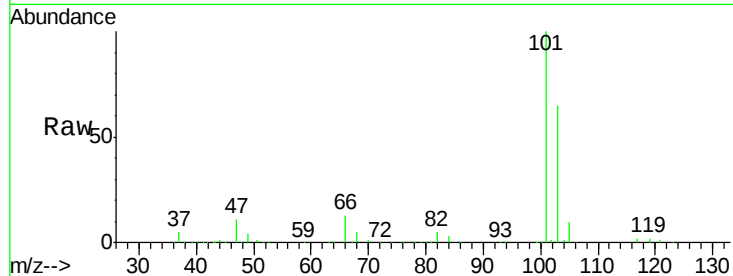
Trichlorofluoromethane
Concen: 50.23 ug/l
RT: 1.93 min Scan# 221
Delta R.T. 0.00 min
Lab File: VX000321.D
Acq: 14 Mar 2018 18:32

Instrument :
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ClientSampleId :
ICV VX031418

Tot Ion:101 Resp: 143314
Ion Ratio Lower Upper
101 100
103 65.2 51.6 77.4

Manual Integrations
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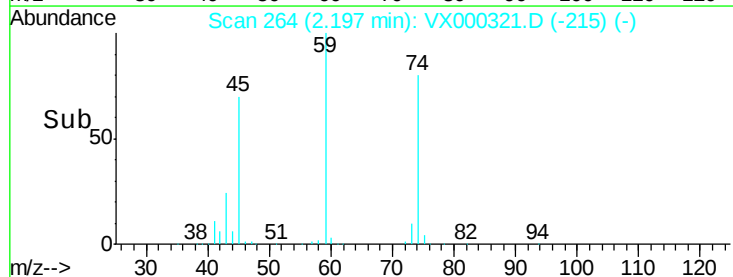
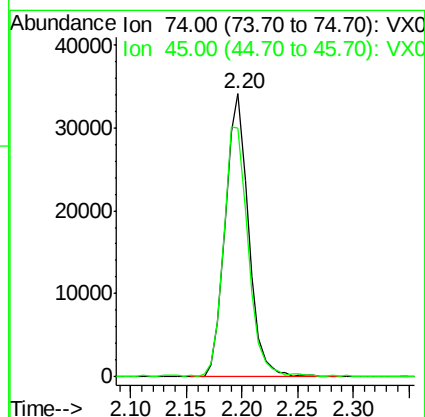
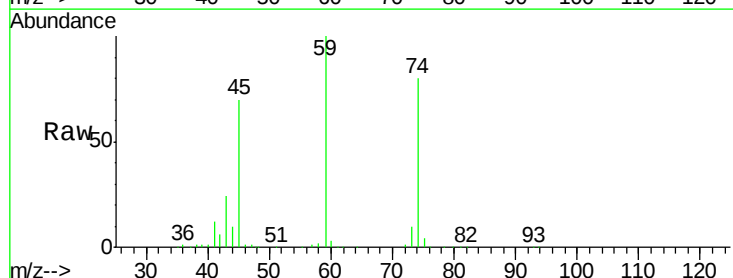
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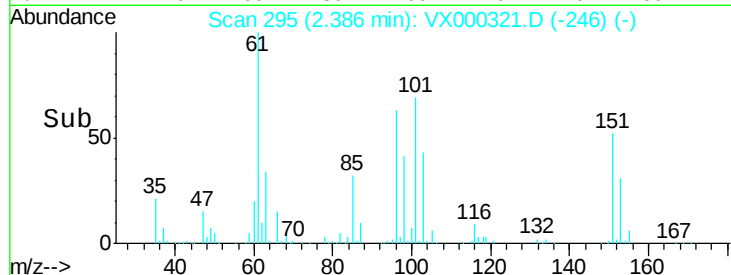
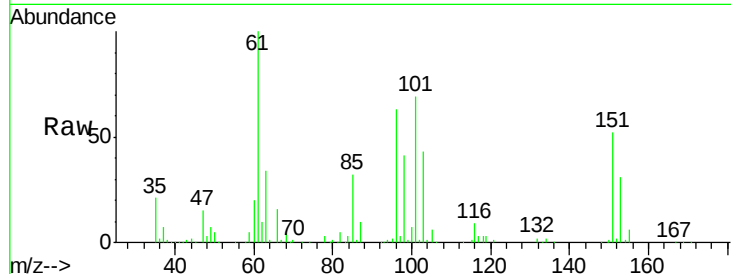
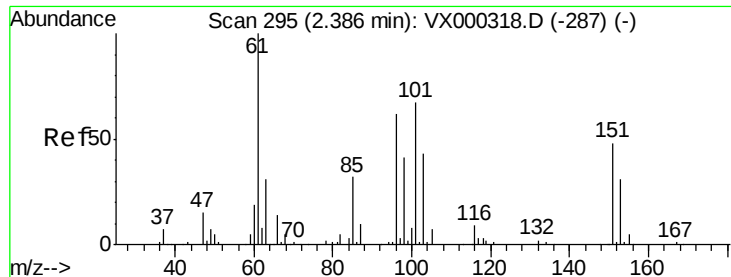


#8

Diethyl Ether
Concen: 48.66 ug/l
RT: 2.20 min Scan# 264
Delta R.T. 0.00 min
Lab File: VX000321.D
Acq: 14 Mar 2018 18:32

Tgt Ion: 74 Resp: 49421
Ion Ratio Lower Upper
74 100
45 92.1 45.1 135.3





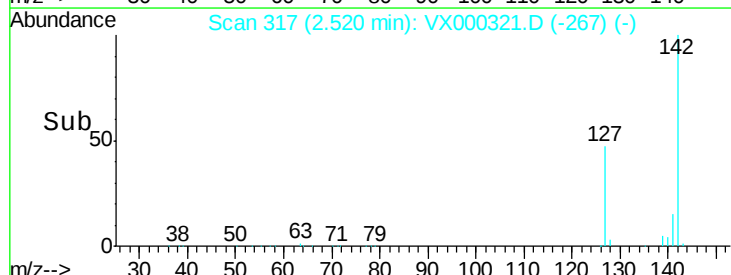
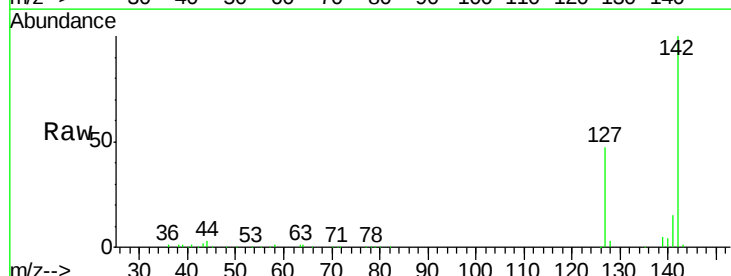
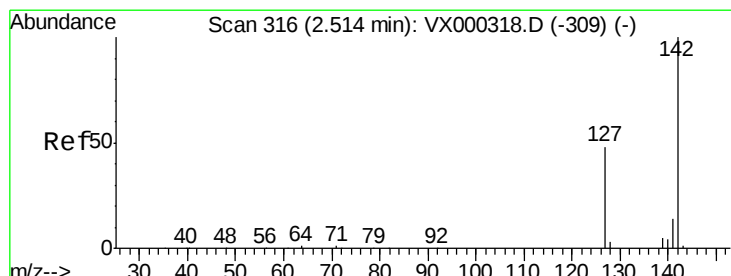
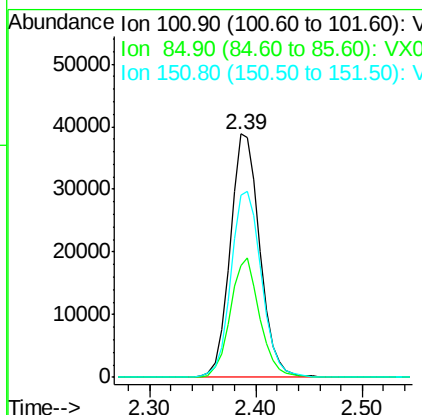
#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.42 ug/l
RT: 2.39 min Scan# 295
Delta R.T. 0.00 min
Lab File: VX000321.D
Acq: 14 Mar 2018 18:32

Instrument :
MSVOA_X
ClientSampleId :
ICVVX031418

Tot Ion	Ratio	Resp	Lower	Upper
101	100	75916		
85	48.4		37.6	56.4
151	79.1		62.6	93.8

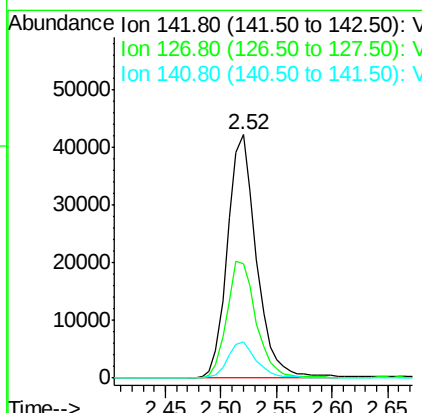
Manual Integrations
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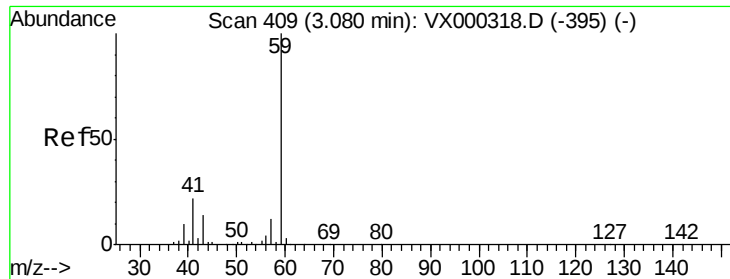
sam
3/15/2018 3:37:16 PM



#10
Methyl Iodide
Concen: 49.04 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX000321.D
Acq: 14 Mar 2018 18:32

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	76114		
127	49.0		39.2	58.8
141	14.7		11.7	17.5





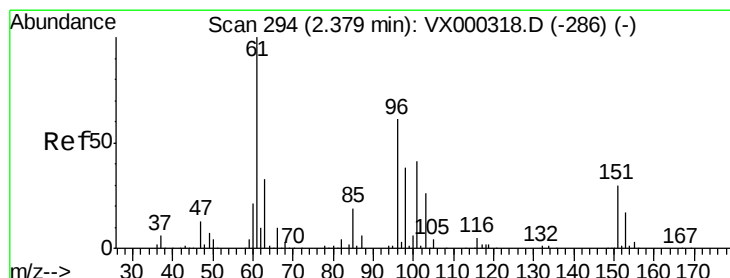
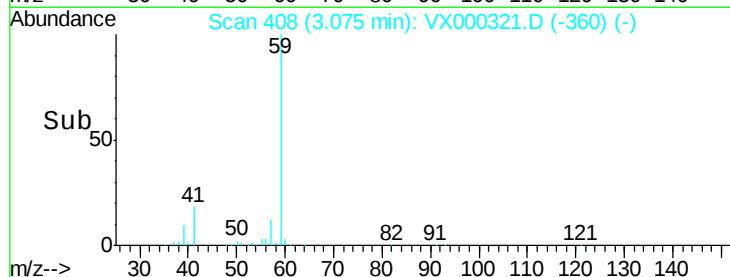
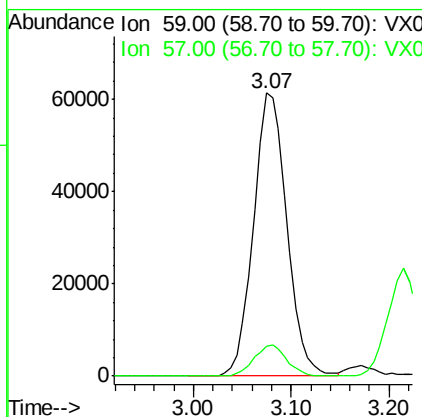
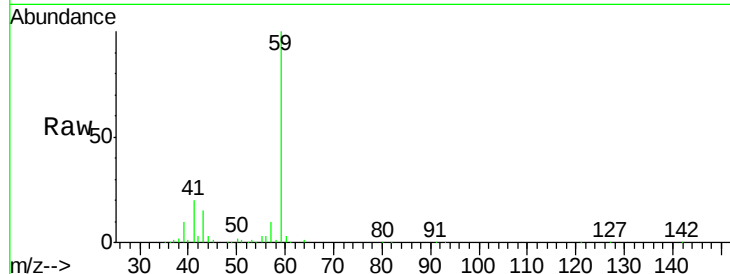
#11
Tert butyl alcohol
Concen: 244.74 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX000321.D
Acq: 14 Mar 2018 18:32

Instrument :
MSVOA_X
ClientSampleId :
ICVVX031418

Tot Ion	59	Resp	146308
Ion Ratio	100	Lower	Upper
57	10.7	8.4	12.6

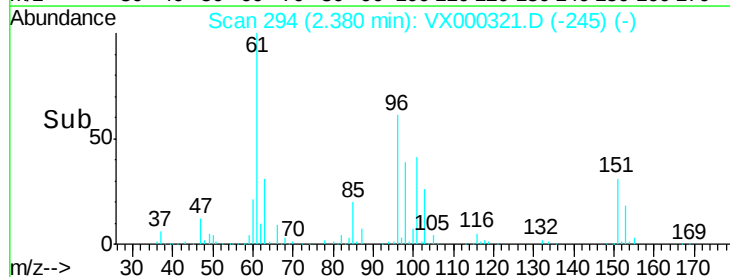
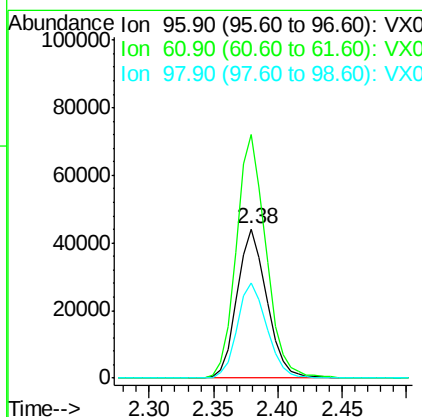
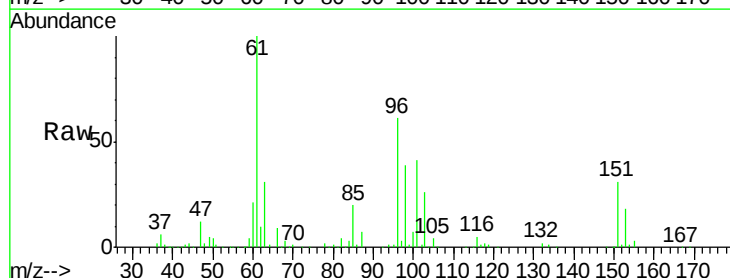
Manual Integrations
APPROVED

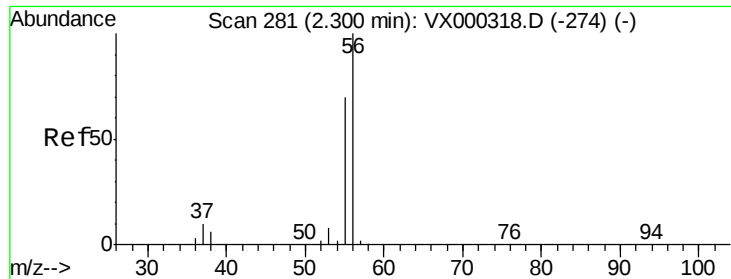
sam
3/15/2018 3:37:16 PM



#12
1,1-Dichloroethene
Concen: 48.78 ug/l
RT: 2.38 min Scan# 294
Delta R.T. 0.00 min
Lab File: VX000321.D
Acq: 14 Mar 2018 18:32

Tgt Ion	96	Resp	71119
Ion Ratio	100	Lower	Upper
61	163.0	131.2	196.8
98	64.1	49.8	74.8





#13

Acrolein

Concen: 254.93 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX000321.D

Acq: 14 Mar 2018 18:32

Instrument :

MSVOA_X

ClientSampleId :

ICVVX031418

Tot Ion: 56 Resp: 65566

Ion Ratio Lower Upper

56 100

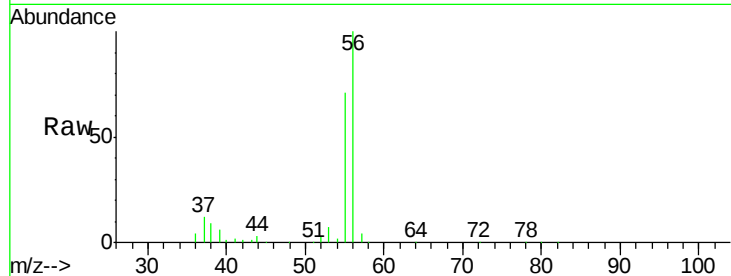
55 72.6 58.8 88.2

Manual Integrations

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sam

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.30

40000

30000

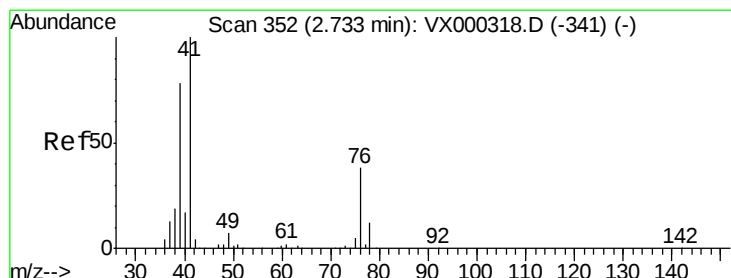
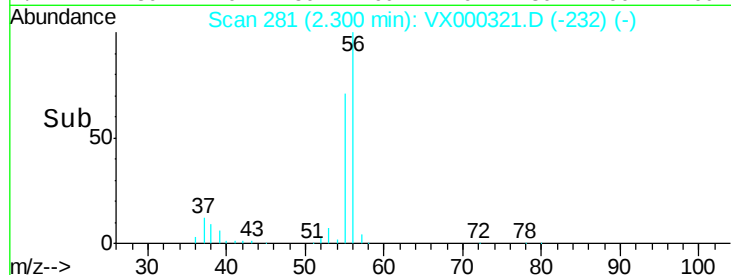
20000

10000

0

Time-->

2.20 2.30 2.40



#14

Allyl chloride

Concen: 47.97 ug/l

RT: 2.73 min Scan# 352

Delta R.T. 0.00 min

Lab File: VX000321.D

Acq: 14 Mar 2018 18:32

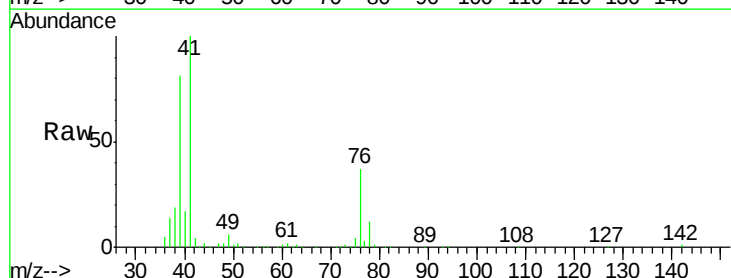
Tgt Ion: 41 Resp: 124701

Ion Ratio Lower Upper

41 100

39 73.3 57.6 86.4

76 34.1 27.3 40.9



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

2.73

80000

60000

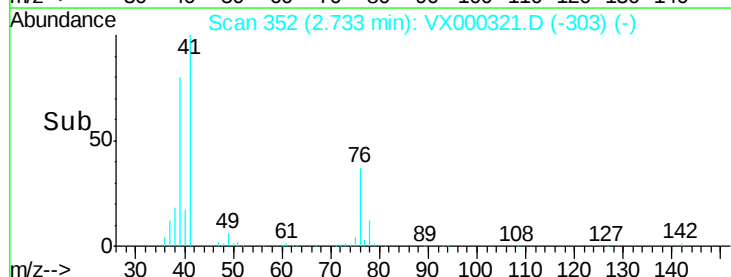
40000

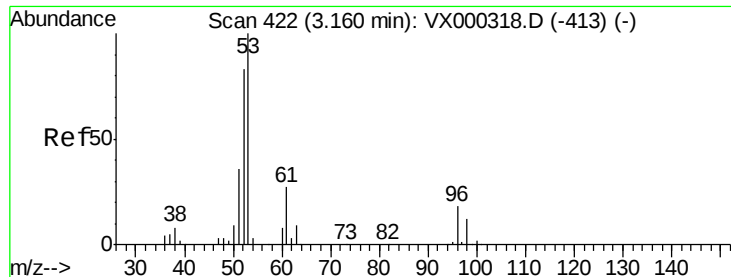
20000

0

Time-->

2.60 2.70 2.80





#15

Acrylonitrile

Concen: 241.56 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.00 min

Lab File: VX000321.D

Acq: 14 Mar 2018 18:32

Instrument :

MSVOA_X

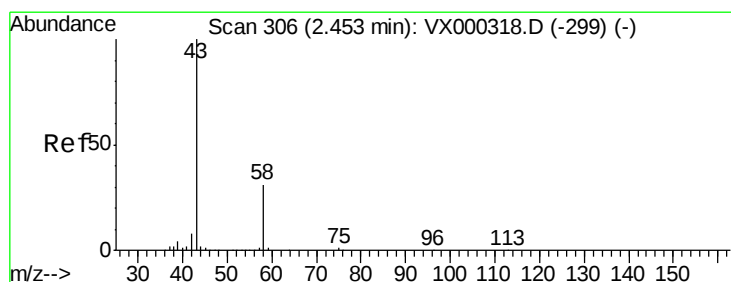
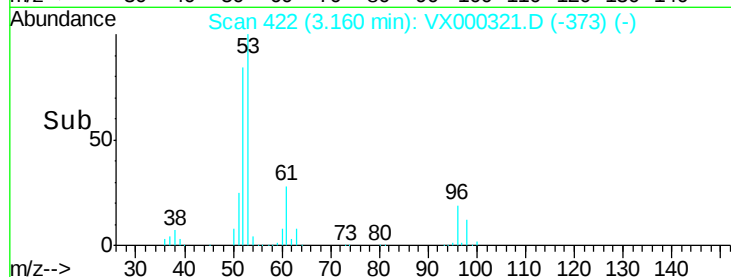
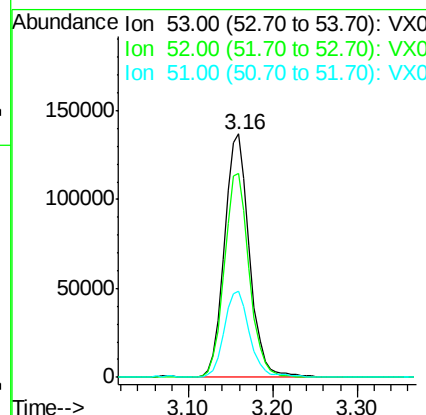
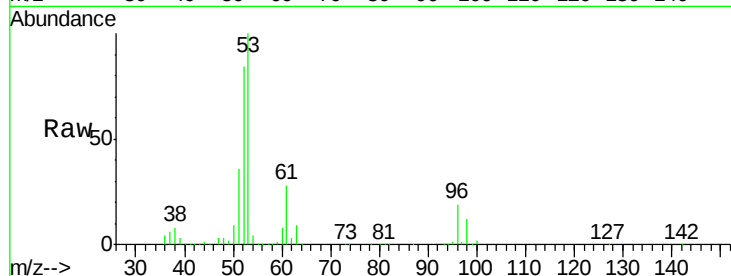
ClientSampleId :

ICVX031418

Tot Ion:	53	Resp:	278437
Ion Ratio		Lower	Upper
53	100		
52	83.8	66.6	99.8
51	36.5	29.3	43.9

Manual Integrations
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#16

Acetone

Concen: 239.71 ug/l

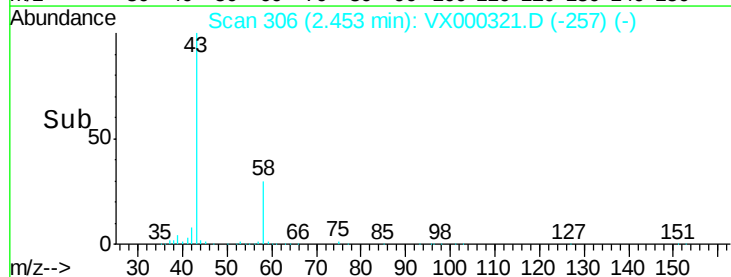
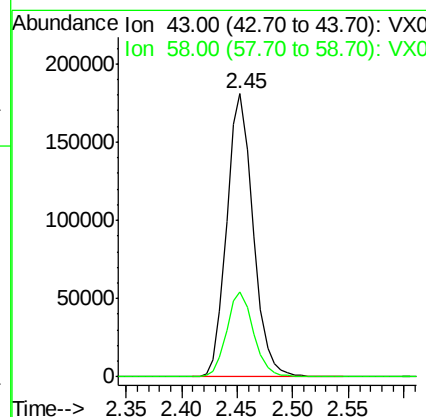
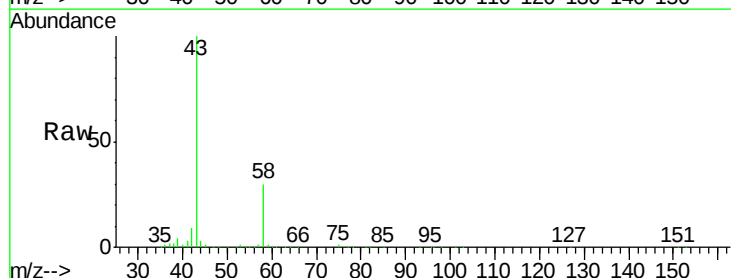
RT: 2.45 min Scan# 306

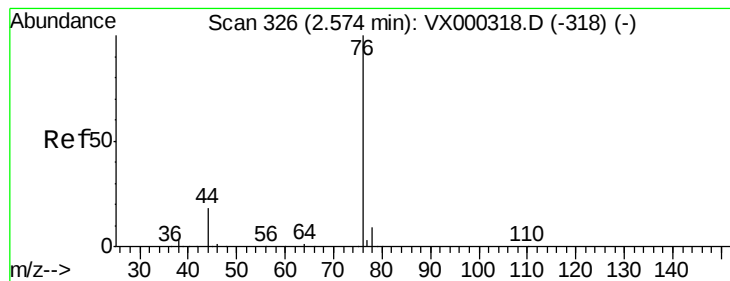
Delta R.T. 0.00 min

Lab File: VX000321.D

Acq: 14 Mar 2018 18:32

Tgt Ion:	43	Resp:	295714
Ion Ratio		Lower	Upper
43	100		
58	30.2	24.7	37.1





#17

Carbon Disulfide

Concen: 49.83 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX000321.D

Acq: 14 Mar 2018 18:32

Instrument :

MSVOA_X

ClientSampleId :

ICVVX031418

Tot Ion: 76 Resp: 212200

Ion Ratio Lower Upper

76 100

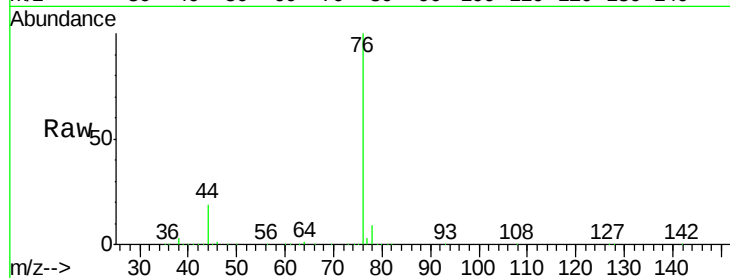
78 9.0 7.0 10.6

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

150000

100000

50000

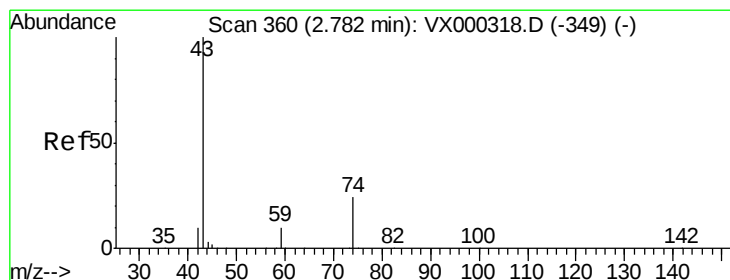
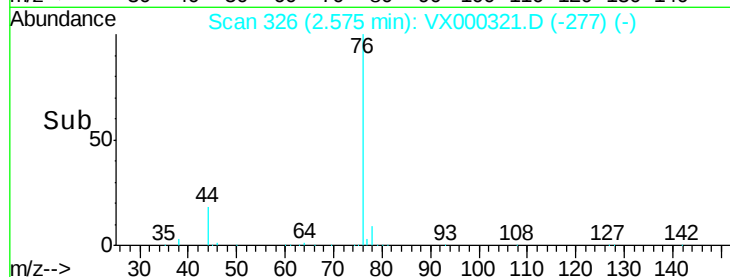
0

2.57

2.60

2.70

Time-->



#18

Methyl Acetate

Concen: 47.41 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX000321.D

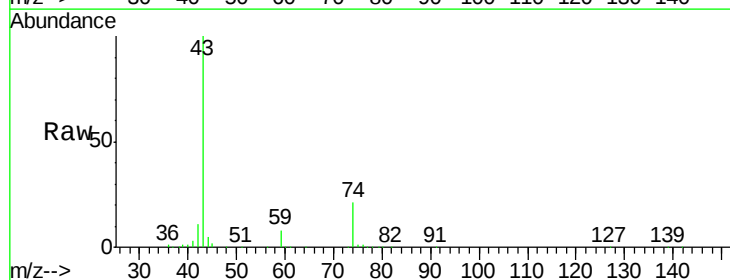
Acq: 14 Mar 2018 18:32

Tgt Ion: 43 Resp: 130887

Ion Ratio Lower Upper

43 100

74 23.5 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

80000

60000

40000

20000

0

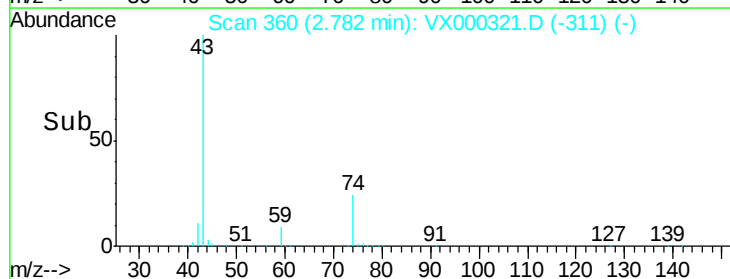
2.78

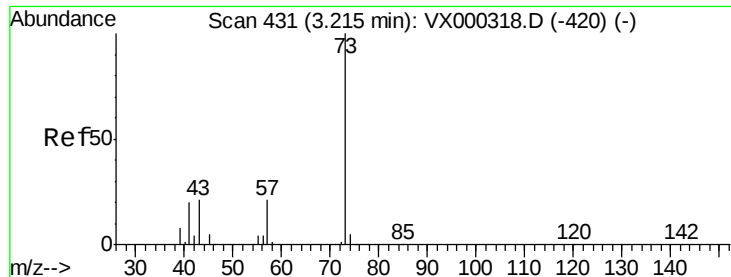
2.80

2.85

2.90

Time-->





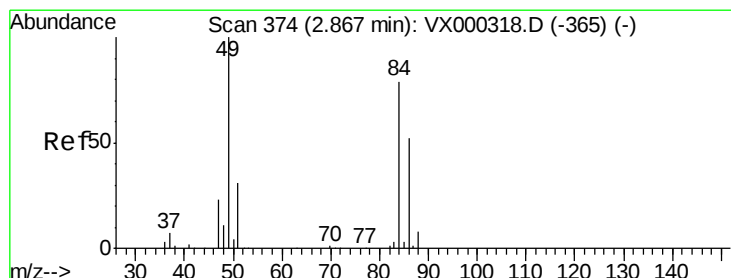
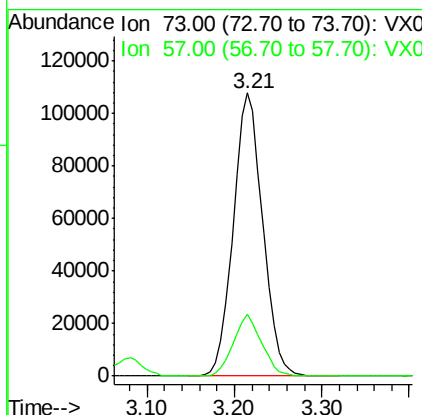
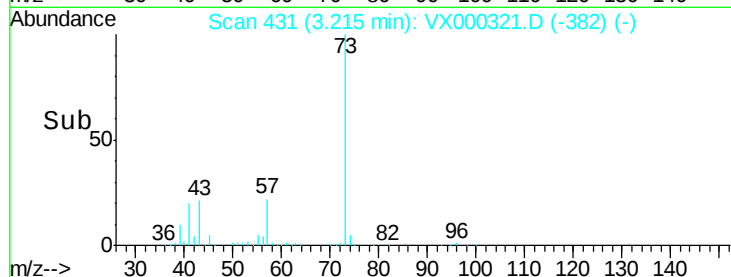
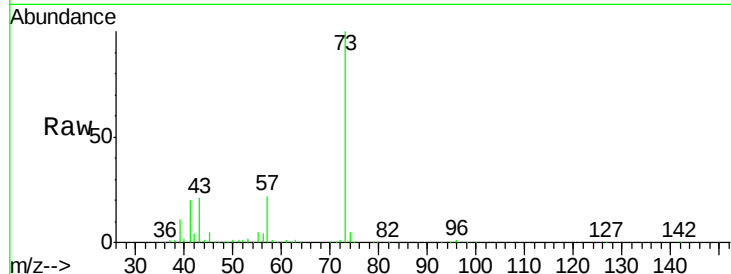
#19
Methyl tert-butyl Ether
Concen: 49.04 ug/l
RT: 3.21 min Scan# 431
Delta R.T. 0.00 min
Lab File: VX000321.D
Acq: 14 Mar 2018 18:32

Instrument :
MSVOA_X
ClientSampleId :
ICVVX031418

Tot Ion: 73 Resp: 251689
Ion Ratio Lower Upper
73 100
57 21.8 17.2 25.8

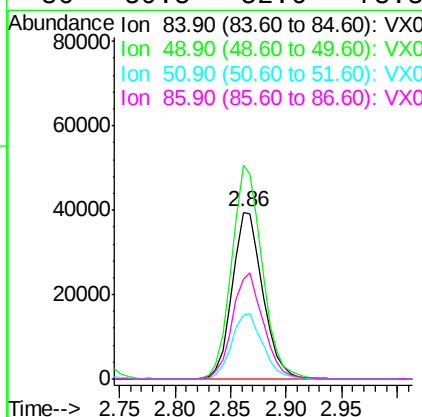
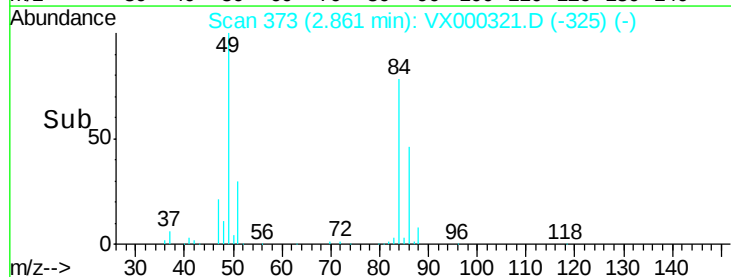
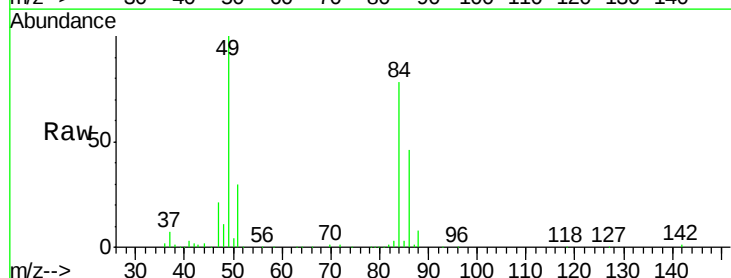
Manual Integrations
APPROVED

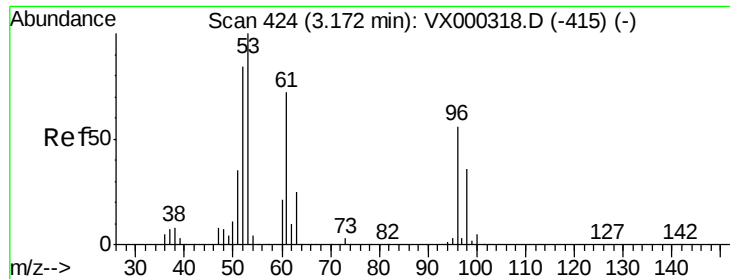
sam
3/15/2018 3:37:16 PM



#20
Methylene Chloride
Concen: 47.24 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.01 min
Lab File: VX000321.D
Acq: 14 Mar 2018 18:32

Tgt Ion: 84 Resp: 75454
Ion Ratio Lower Upper
84 100
49 127.9 100.6 151.0
51 38.0 31.6 47.4
86 59.5 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 48.29 ug/l

RT: 3.17 min Scan# 424

Delta R.T. 0.00 min

Lab File: VX000321.D

Acq: 14 Mar 2018 18:32

Instrument :

MSVOA_X

ClientSampleId :

ICVVX031418

Tot Ion: 96 Resp: 77839

Ion Ratio Lower Upper

96 100

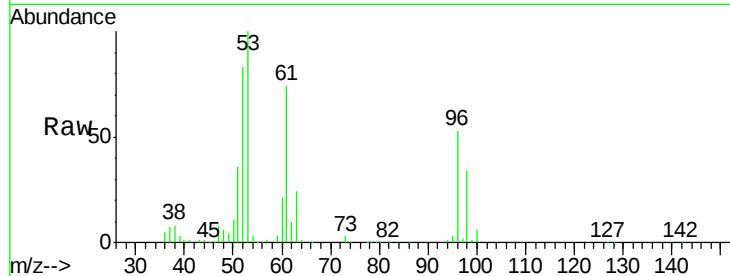
61 139.5 104.0 156.0

98 63.9 52.1 78.1

Manual Integrations
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sam

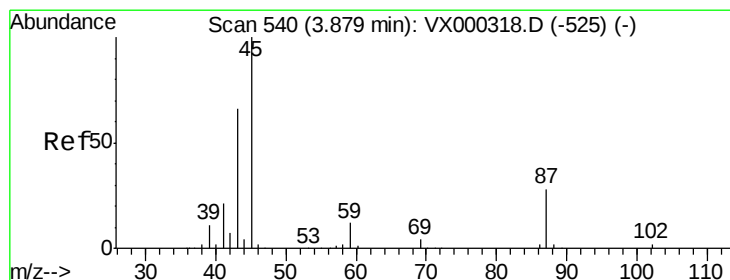
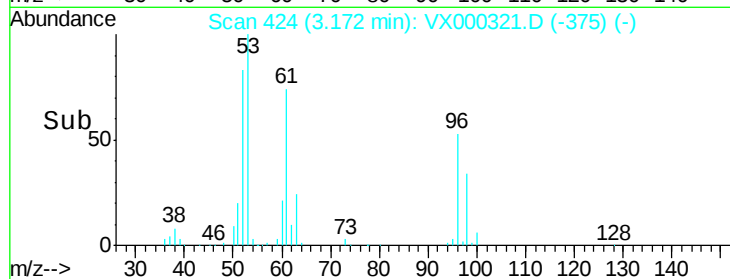
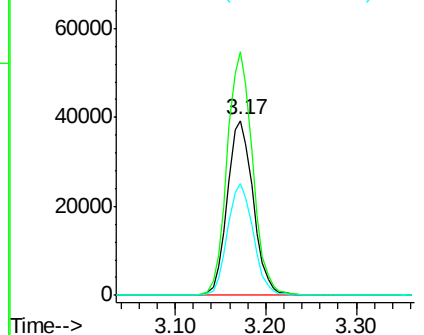
3/15/2018 3:37:16 PM



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



#22

Diisopropyl ether

Concen: 45.28 ug/l

RT: 3.88 min Scan# 540

Delta R.T. 0.00 min

Lab File: VX000321.D

Acq: 14 Mar 2018 18:32

Tgt Ion: 45 Resp: 195933

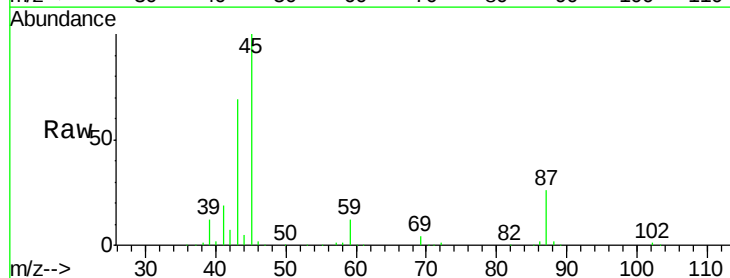
Ion Ratio Lower Upper

45 100

43 68.4 53.9 80.9

87 25.6 22.6 34.0

59 11.7 9.5 14.3

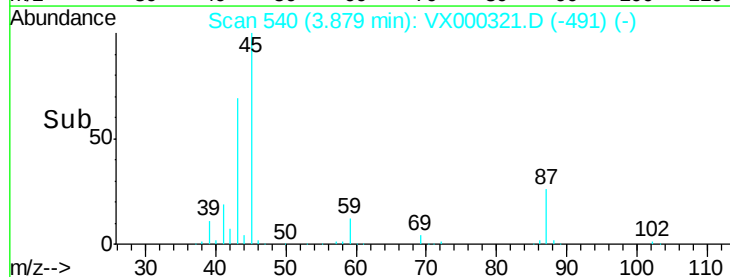
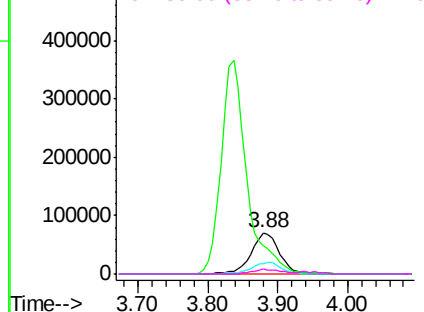


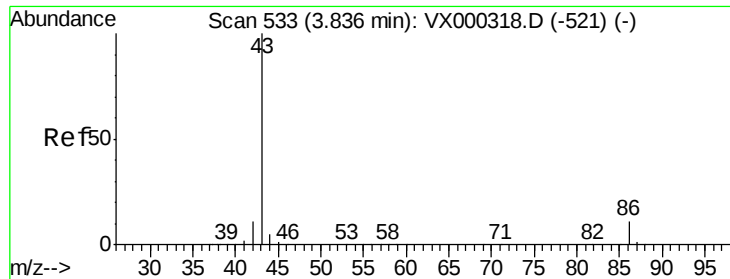
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 228.25 ug/l

RT: 3.84 min Scan# 533

Delta R.T. 0.00 min

Lab File: VX000321.D

Acq: 14 Mar 2018 18:32

Instrument :

MSVOA_X

ClientSampleId :

ICVVX031418

Tot Ion: 43 Resp: 941324

Ion Ratio Lower Upper

43 100

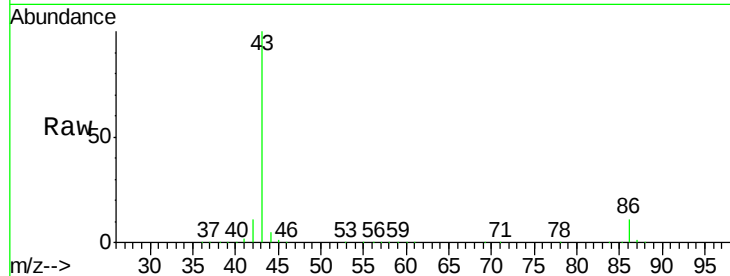
86 10.6 8.6 12.8

Manual Integrations

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sam

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.84

400000

300000

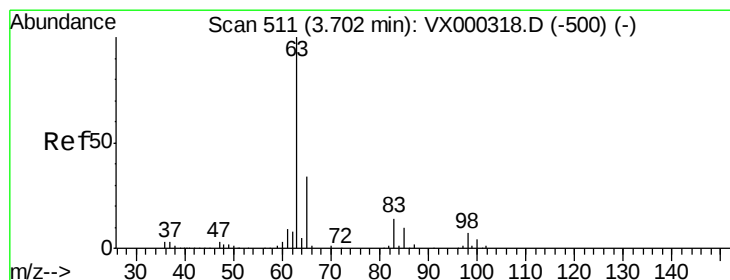
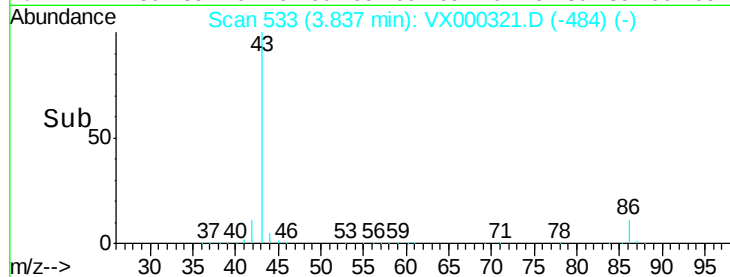
200000

100000

0

3.70 3.80 3.90 4.00

Time-->



#24

1,1-Dichloroethane

Concen: 45.92 ug/l

RT: 3.71 min Scan# 512

Delta R.T. 0.01 min

Lab File: VX000321.D

Acq: 14 Mar 2018 18:32

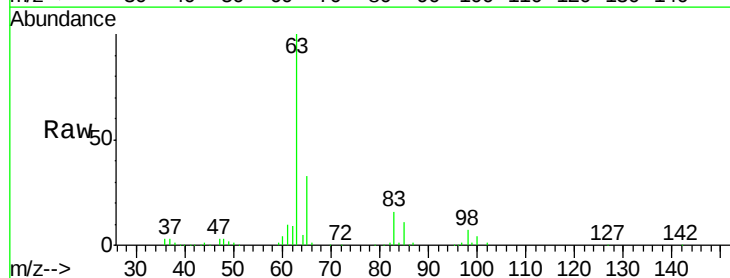
Tgt Ion: 63 Resp: 124994

Ion Ratio Lower Upper

63 100

98 6.5 3.3 9.9

100 4.3 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

3.71

60000

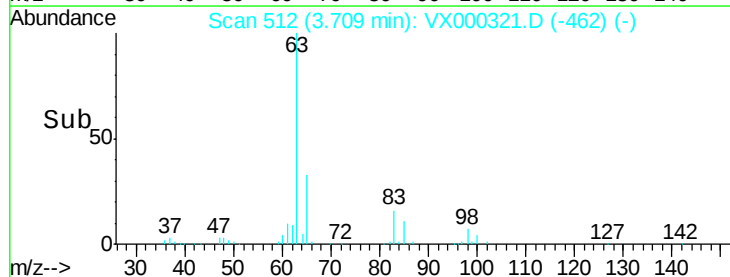
40000

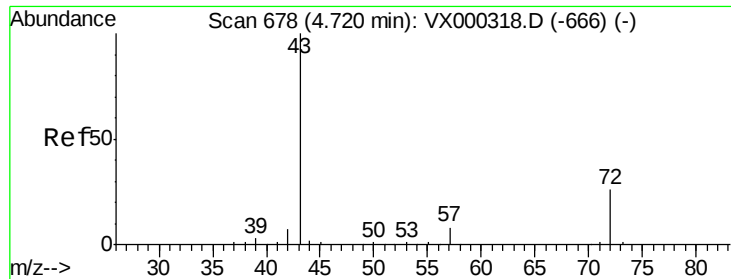
20000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 249.68 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.00 min

Lab File: VX000321.D

Acq: 14 Mar 2018 18:32

Instrument :

MSVOA_X

ClientSampleId :

ICVVX031418

Tot Ion: 43 Resp: 368142

Ion Ratio Lower Upper

43 100

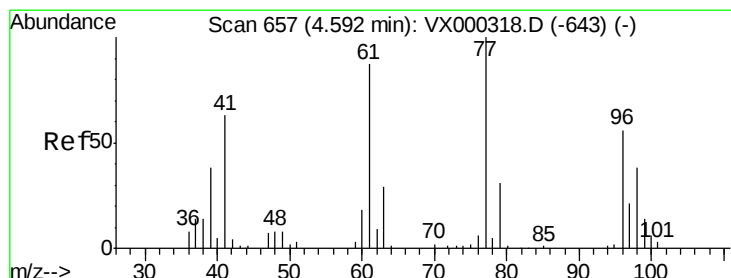
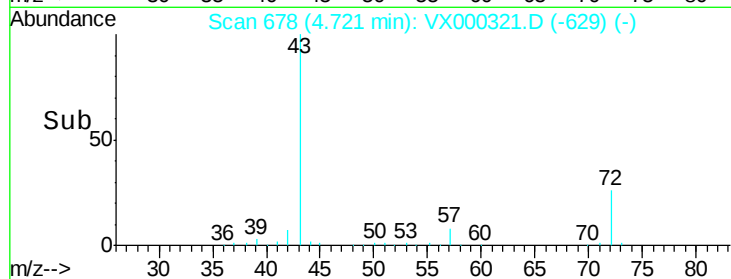
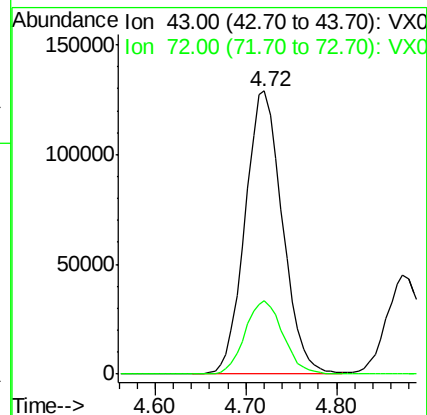
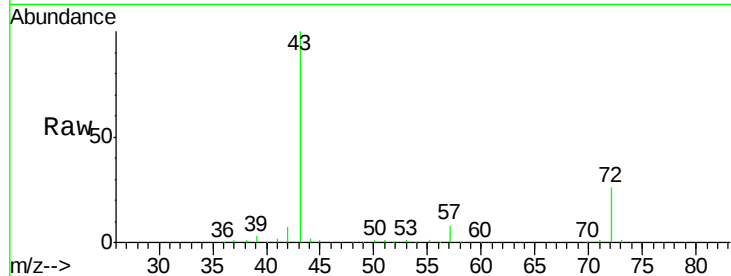
72 26.1 21.0 31.6

Manual Integrations

APPROVED

sam

3/15/2018 3:37:16 PM



#26

2,2-Dichloropropane

Concen: 50.36 ug/l

RT: 4.60 min Scan# 658

Delta R.T. 0.01 min

Lab File: VX000321.D

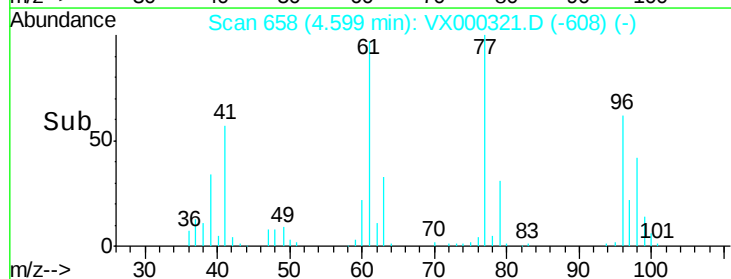
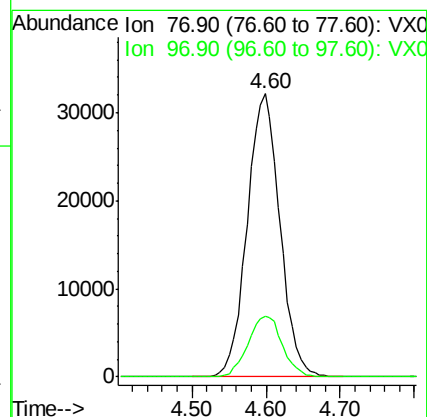
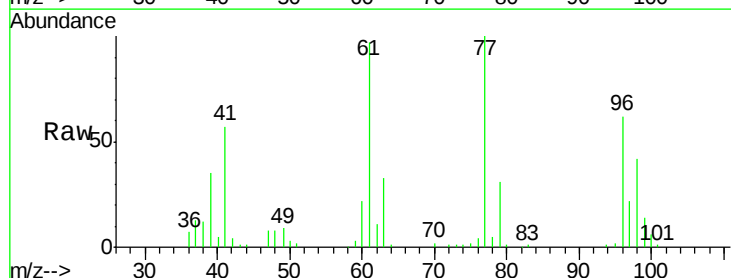
Acq: 14 Mar 2018 18:32

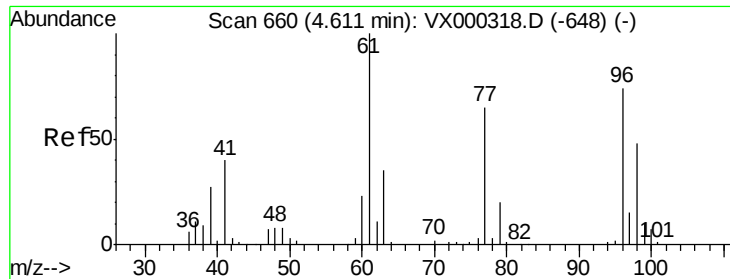
Tgt Ion: 77 Resp: 98941

Ion Ratio Lower Upper

77 100

97 22.4 11.3 33.8





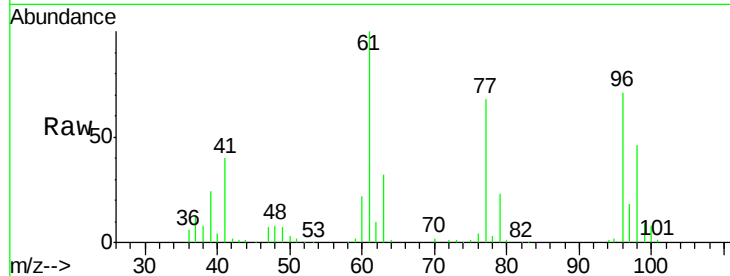
#27
 cis-1,2-Dichloroethene
 Concen: 47.52 ug/l
 RT: 4.61 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VX000321.D
 Acq: 14 Mar 2018 18:32

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX031418

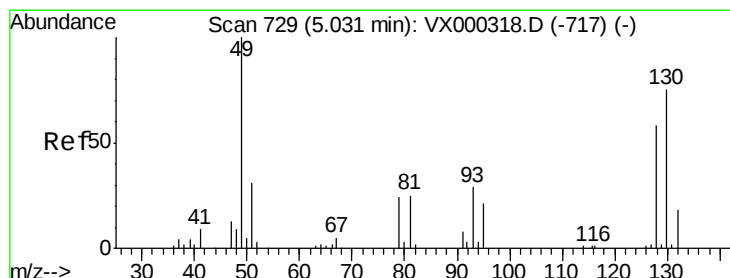
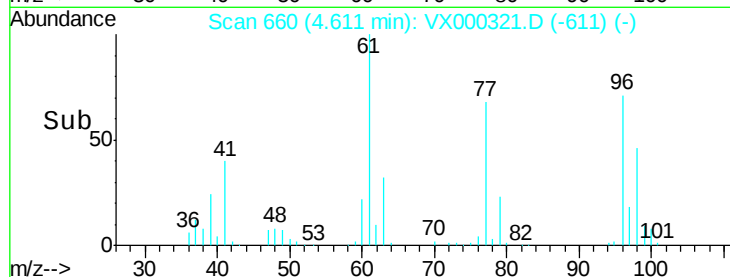
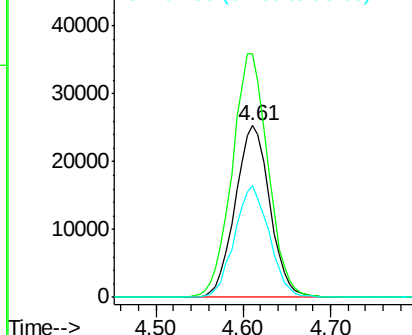
Tot Ion	Ratio	Resp	Lower	Upper
96	100	69959		
61	146.9	0.0	291.6	
98	64.9	0.0	132.0	

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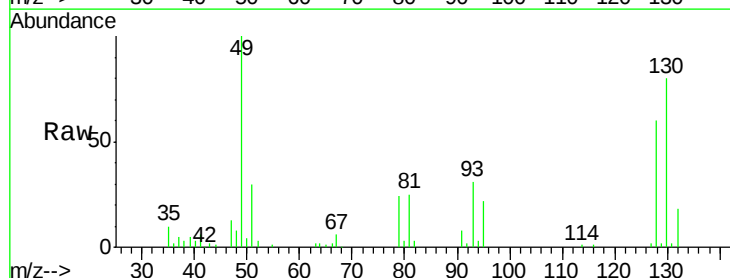


Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0

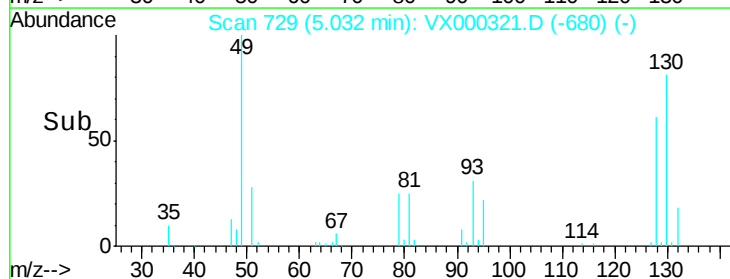
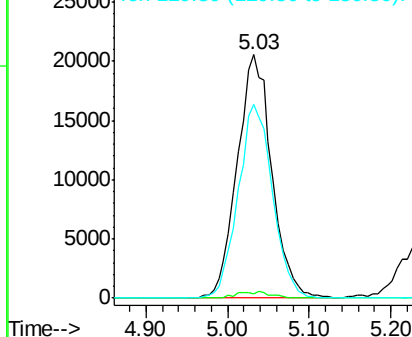


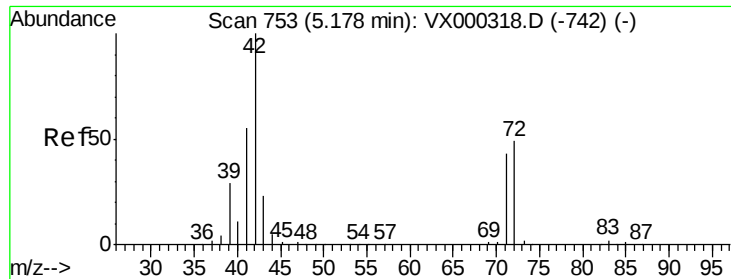
#28
 Bromochloromethane
 Concen: 52.84 ug/l
 RT: 5.03 min Scan# 729
 Delta R.T. 0.00 min
 Lab File: VX000321.D
 Acq: 14 Mar 2018 18:32

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	60454		
129	1.3	0.0	5.0	
130	79.4	64.0	96.0	



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





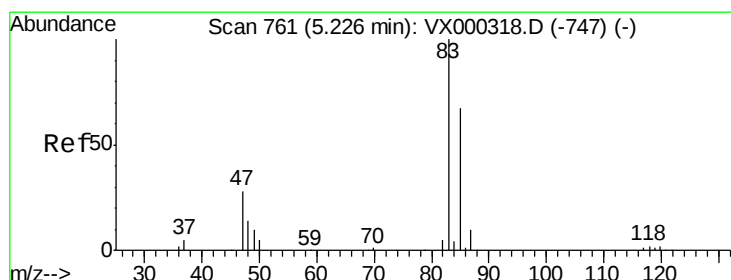
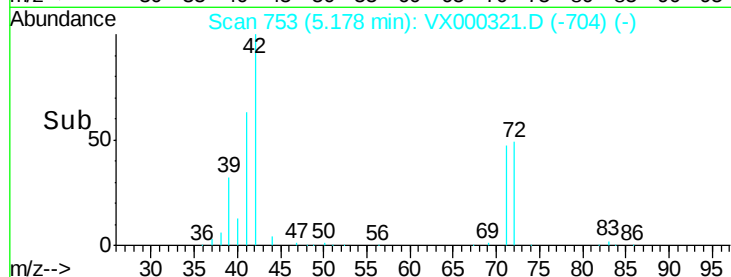
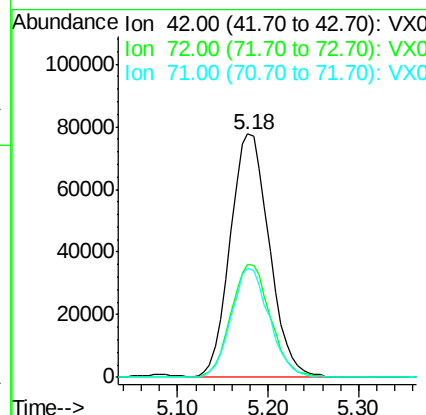
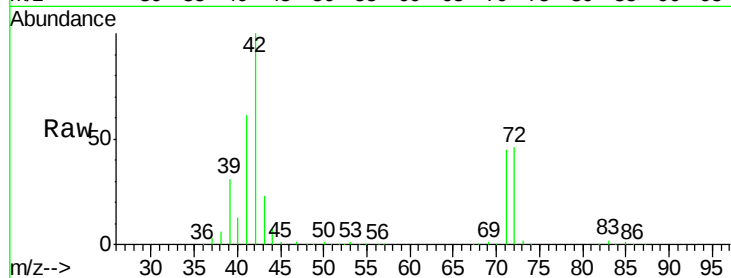
#29
Tetrahydrofuran
Concen: 243.78 ug/l
RT: 5.18 min Scan# 753
Delta R.T. 0.00 min
Lab File: VX000321.D
Acq: 14 Mar 2018 18:32

Instrument :
MSVOA_X
ClientSampleId :
ICVVX031418

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.2	37.9	56.9
71	44.1	34.4	51.6

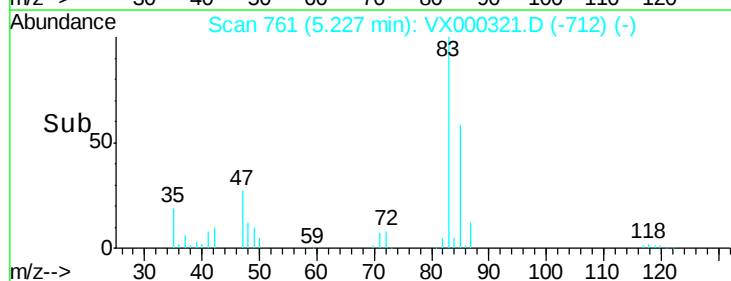
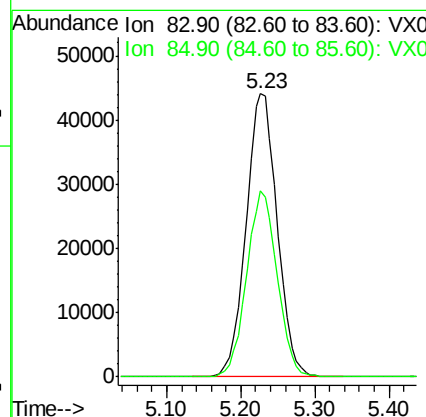
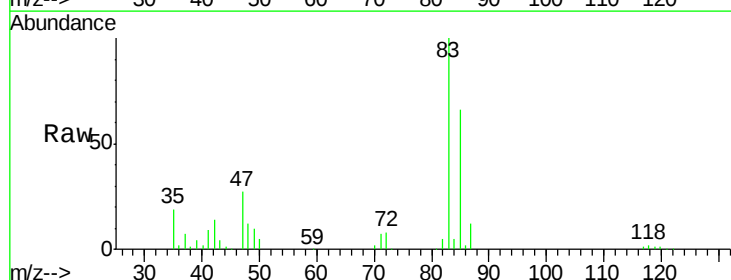
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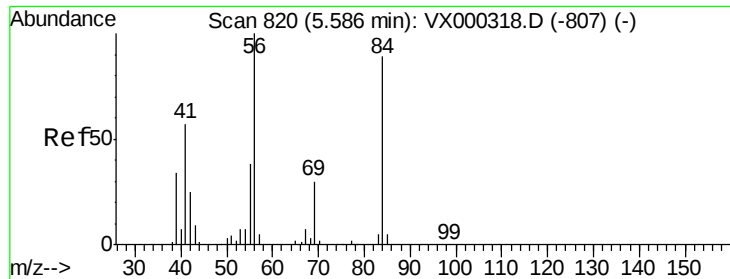
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#30
Chloroform
Concen: 50.20 ug/l
RT: 5.23 min Scan# 761
Delta R.T. 0.00 min
Lab File: VX000321.D
Acq: 14 Mar 2018 18:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	53.3	79.9





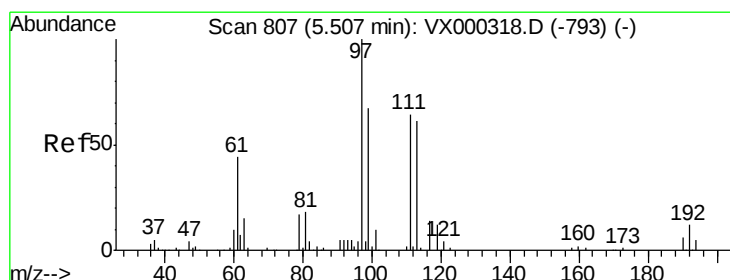
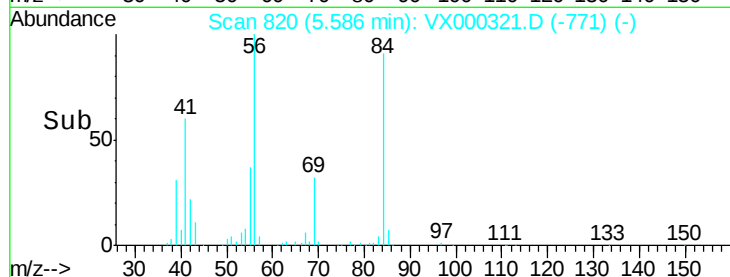
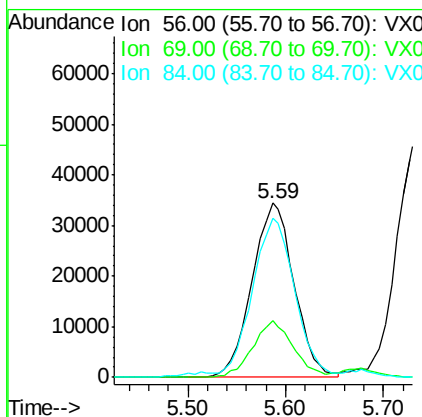
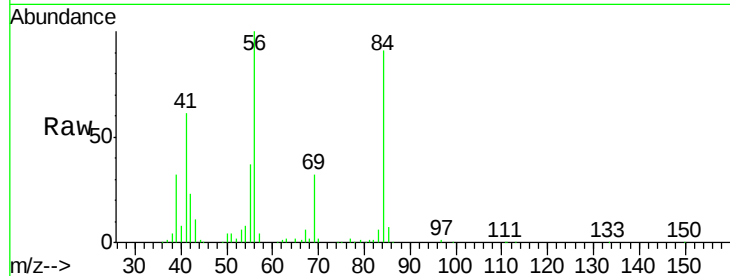
#31
Cyclohexane
Concen: 49.47 ug/l
RT: 5.59 min Scan# 820
Delta R.T. 0.00 min
Lab File: VX000321.D
Acq: 14 Mar 2018 18:32

Instrument :
MSVOA_X
ClientSampleId :
ICVVX031418

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.4	23.4	35.0
84	89.2	71.0	106.4

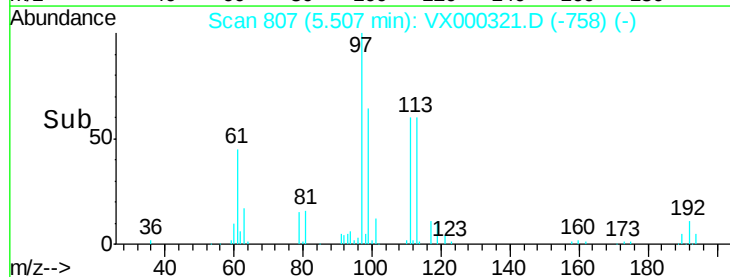
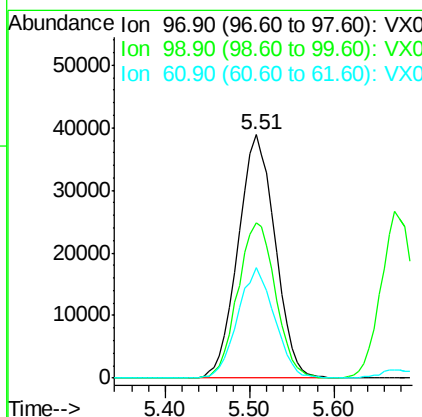
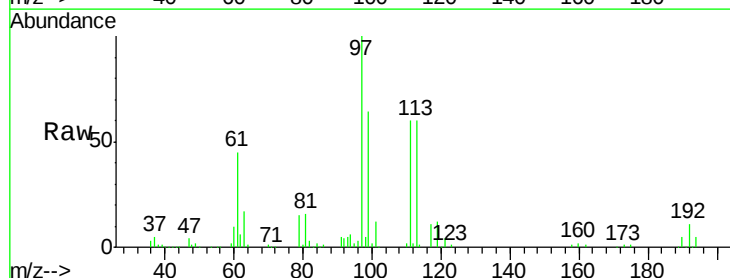
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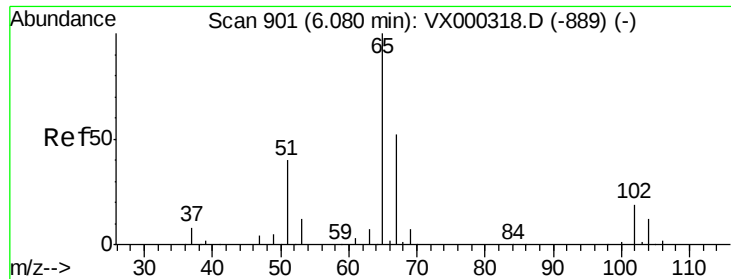
sam
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#32
1,1,1-Trichloroethane
Concen: 51.06 ug/l
RT: 5.51 min Scan# 807
Delta R.T. 0.00 min
Lab File: VX000321.D
Acq: 14 Mar 2018 18:32

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	52.1	78.1
61	45.0	36.2	54.4





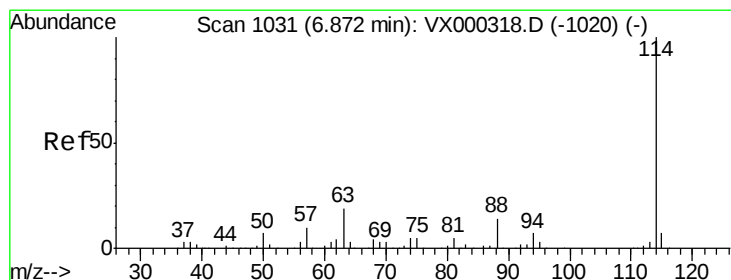
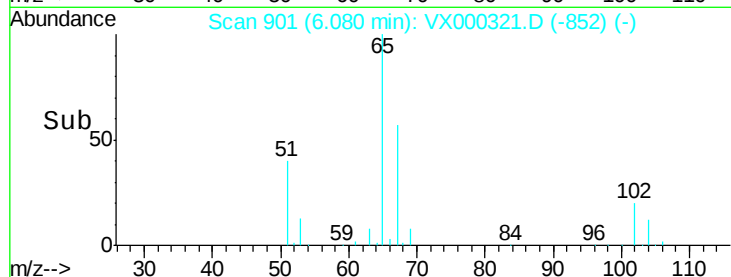
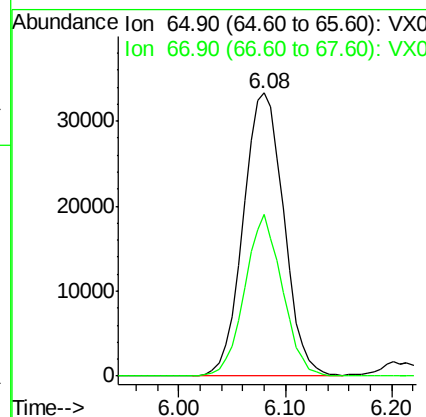
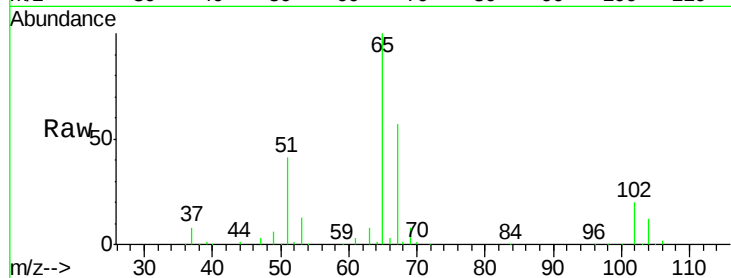
#33
 1,2-Dichloroethane-d4
 Concen: 48.24 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.00 min
 Lab File: VX000321.D
 Acq: 14 Mar 2018 18:32

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX031418

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	103.2

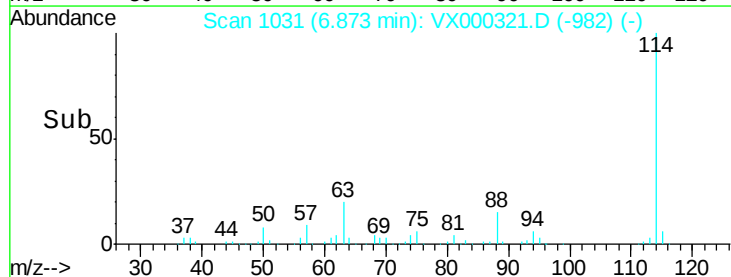
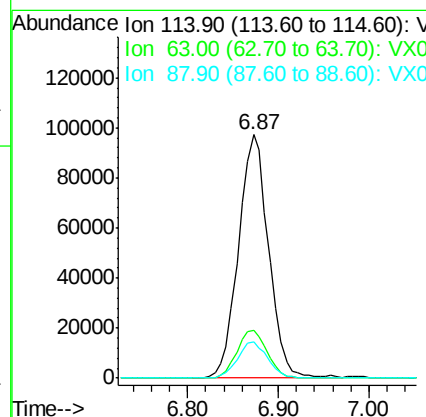
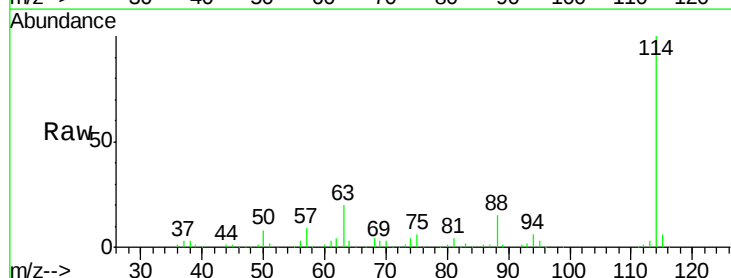
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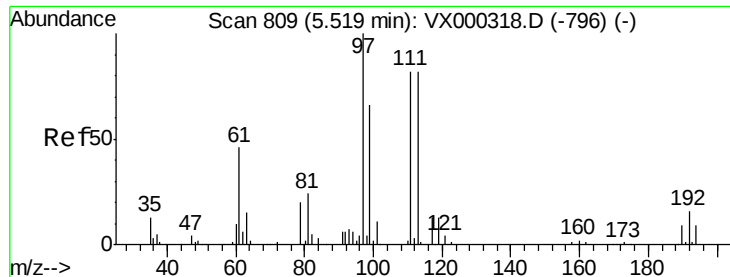
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.00 min
 Lab File: VX000321.D
 Acq: 14 Mar 2018 18:32

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	38.4
88	14.7	0.0	27.0





#35

Dibromofluoromethane

Concen: 50.07 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.01 min

Lab File: VX000321.D

Acq: 14 Mar 2018 18:32

Instrument :

MSVOA_X

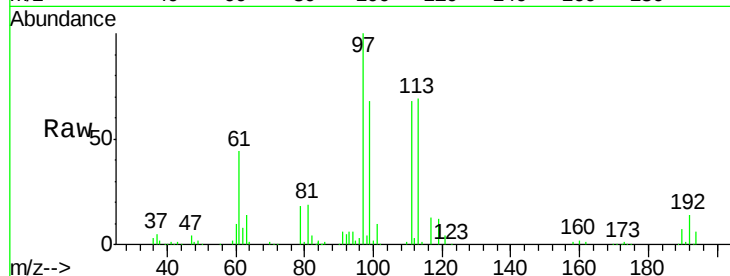
ClientSampleId :

ICVVX031418

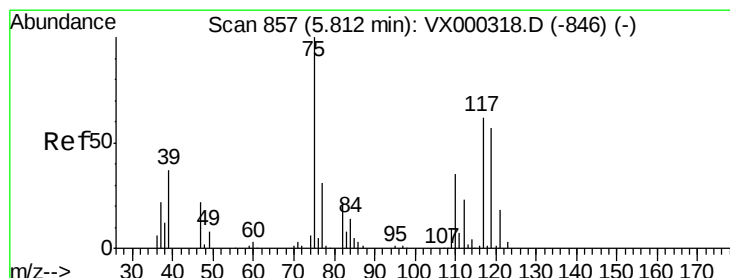
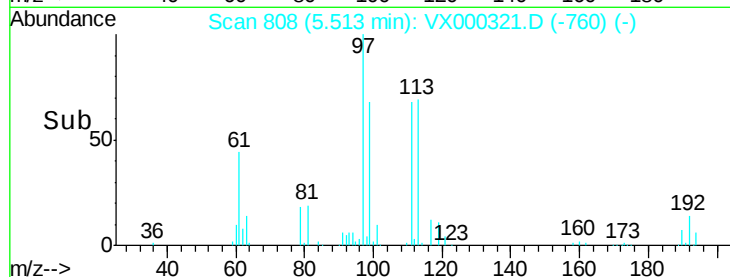
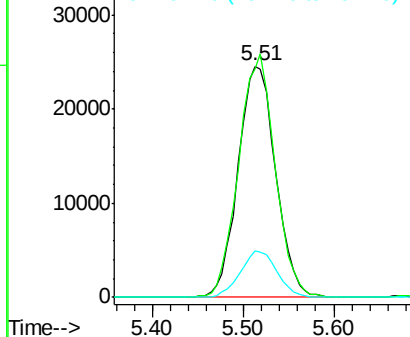
Tot Ion:	113	Resp:	70620
Ion	Ratio	Lower	Upper
113	100		
111	101.8	82.4	123.6
192	19.5	15.8	23.6

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Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 48.34 ug/l

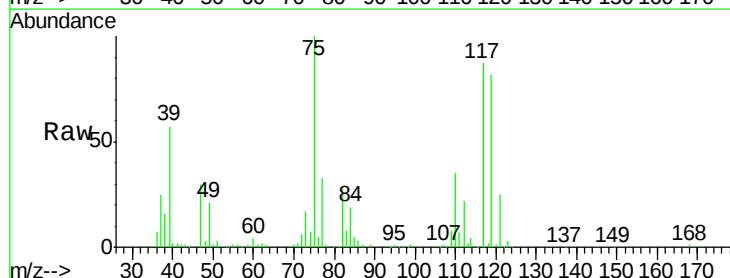
RT: 5.81 min Scan# 856

Delta R.T. -0.01 min

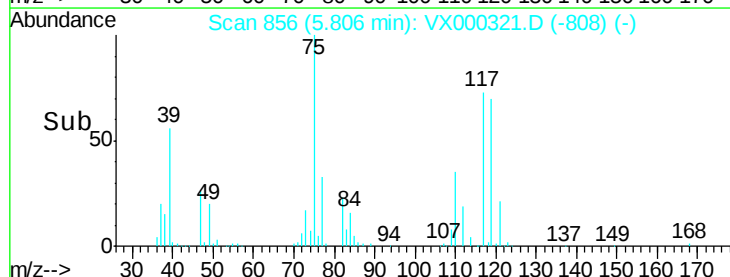
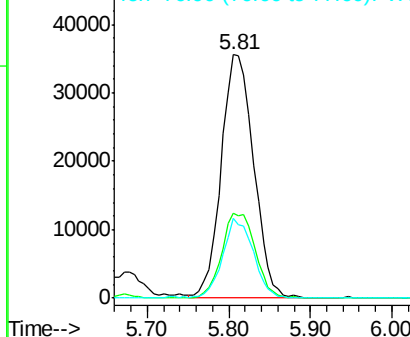
Lab File: VX000321.D

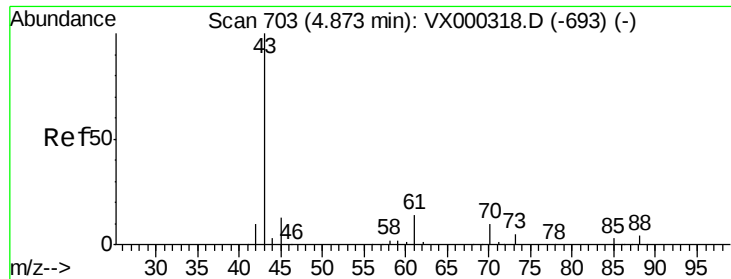
Acq: 14 Mar 2018 18:32

Tgt Ion:	75	Resp:	98175
Ion	Ratio	Lower	Upper
75	100		
110	35.9	17.9	53.7
77	30.7	24.0	36.0



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VX0





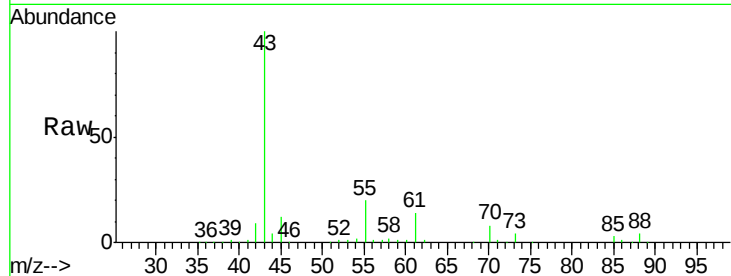
#37
Ethyl Acetate
Concen: 47.90 ug/l
RT: 4.87 min Scan# 703
Delta R.T. 0.00 min
Lab File: VX000321.D
Acq: 14 Mar 2018 18:32

Instrument :
MSVOA_X
ClientSampled :
ICVX031418

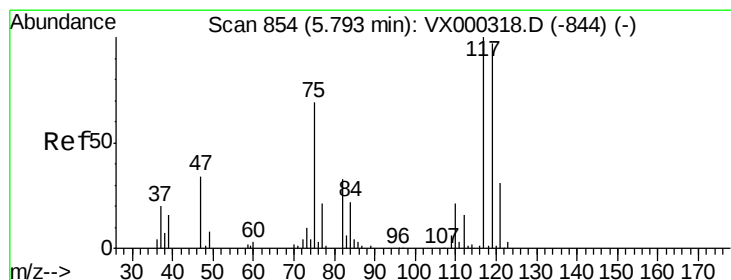
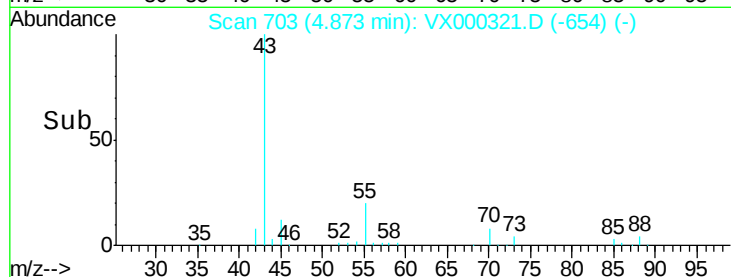
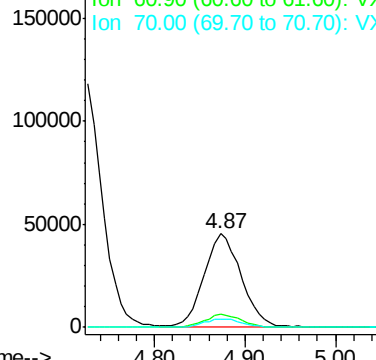
Tot Ion	43	Resp	129307
Ion Ratio	100	Lower	Upper
43	100		
61	13.5	11.1	16.7
70	9.3	7.7	11.5

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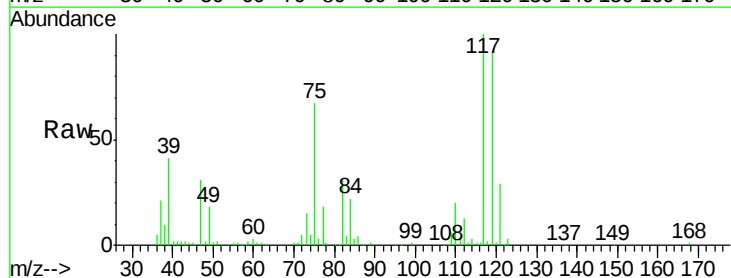


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

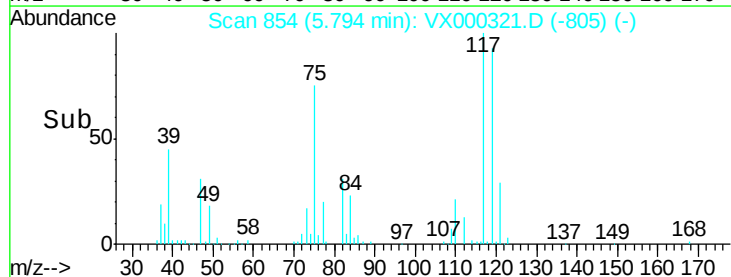
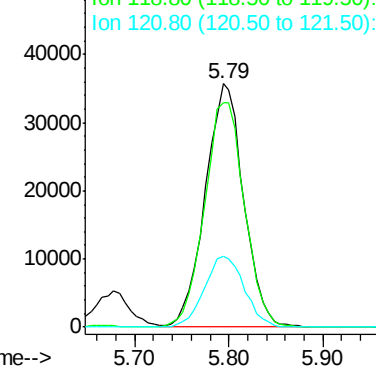


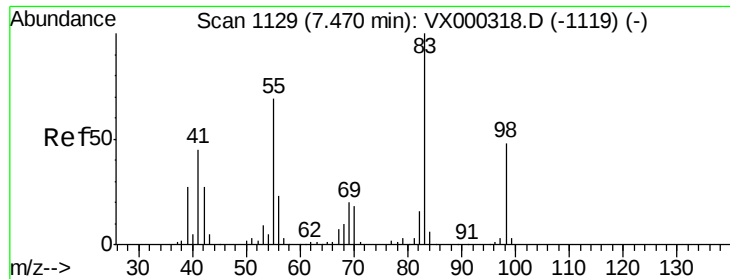
#38
Carbon Tetrachloride
Concen: 49.70 ug/l
RT: 5.79 min Scan# 854
Delta R.T. 0.00 min
Lab File: VX000321.D
Acq: 14 Mar 2018 18:32

Tgt Ion	117	Resp	101763
Ion Ratio	100	Lower	Upper
117	100		
119	92.1	77.4	116.2
121	29.3	24.8	37.2



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





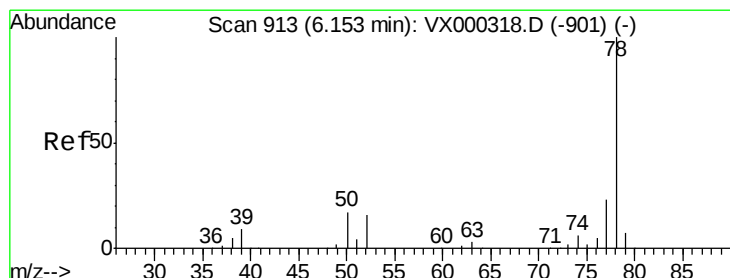
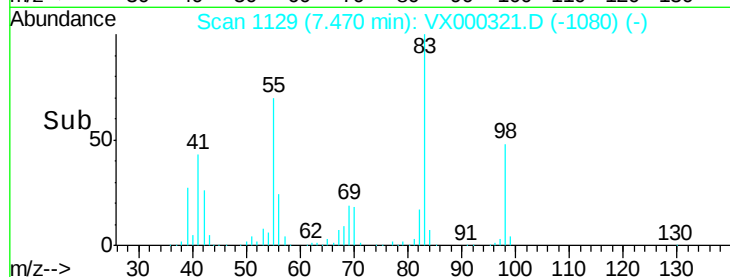
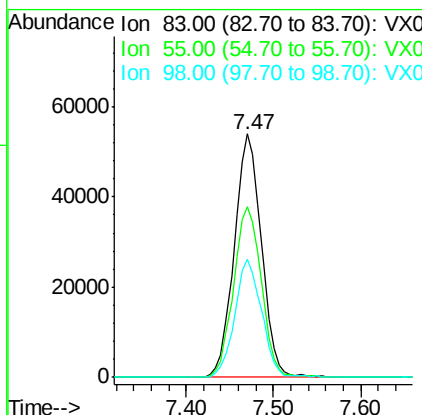
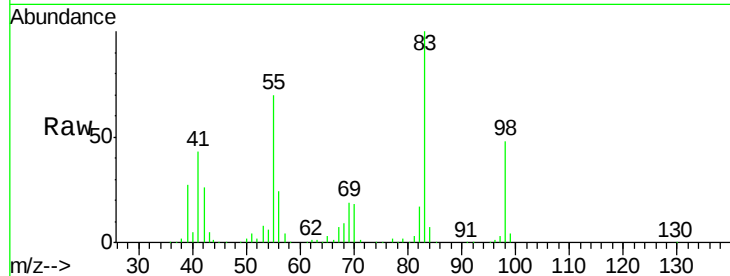
#39
Methvlcvclohexane
Concen: 49.32 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. 0.00 min
Lab File: VX000321.D
Acq: 14 Mar 2018 18:32

Instrument :
MSVOA_X
ClientSampleId :
ICVVX031418

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	69.9	55.5	83.3	
98	48.3	38.2	57.4	

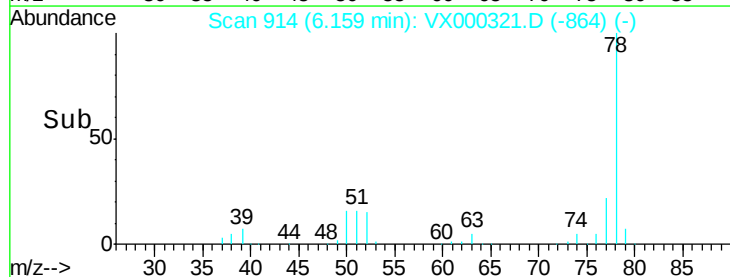
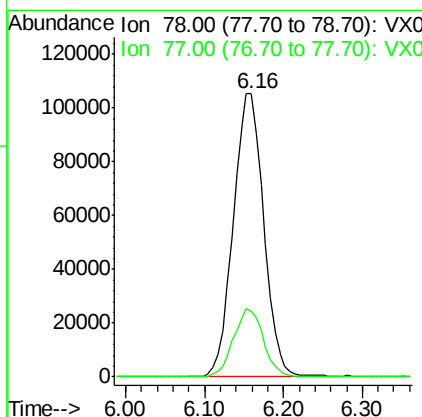
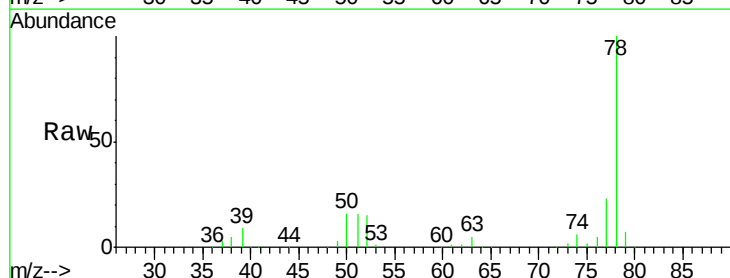
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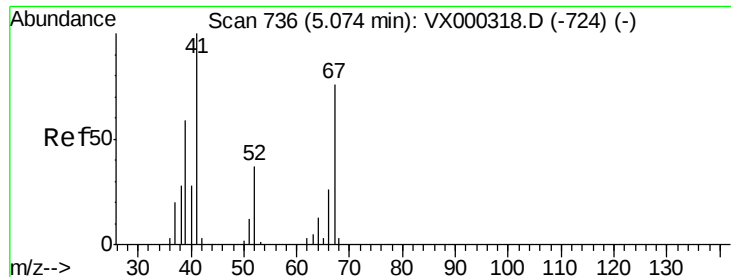
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#40
Benzene
Concen: 49.08 ug/l
RT: 6.16 min Scan# 914
Delta R.T. 0.01 min
Lab File: VX000321.D
Acq: 14 Mar 2018 18:32

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.1	18.7	28.1	





#41

Methacrylonitrile

Concen: 46.80 ug/l

RT: 5.07 min Scan# 736

Delta R.T. 0.00 min

Lab File: VX000321.D

Acq: 14 Mar 2018 18:32

Instrument :

MSVOA_X

ClientSampleId :

ICVVX031418

Tot Ion: 41 Resp: 66338

Ion Ratio Lower Upper

41 100

39 58.5 45.7 68.5

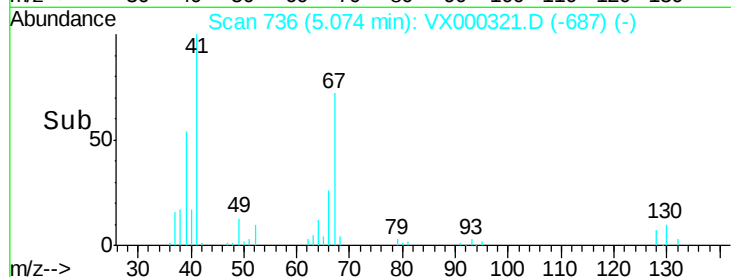
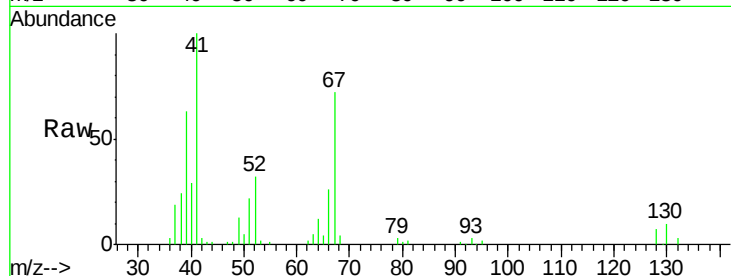
67 74.4 57.8 86.8

52 33.3 26.7 40.1

Manual Integrations
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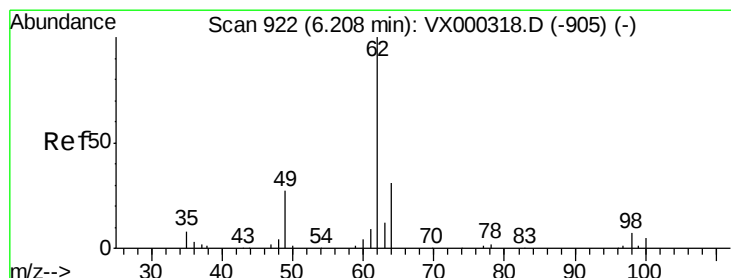
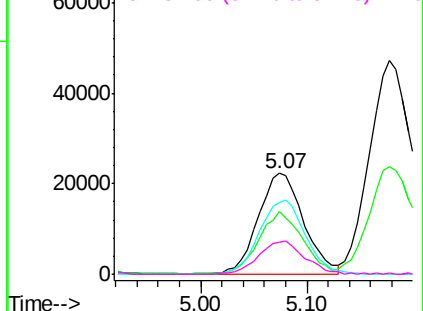


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 47.52 ug/l

RT: 6.21 min Scan# 922

Delta R.T. 0.00 min

Lab File: VX000321.D

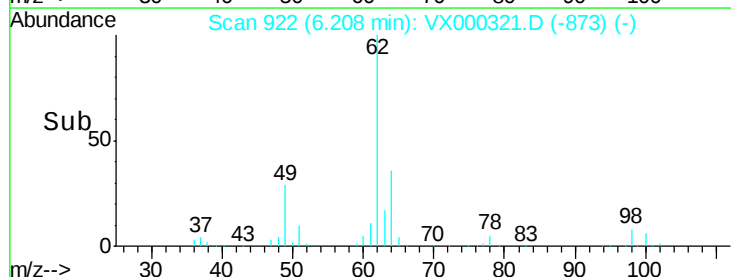
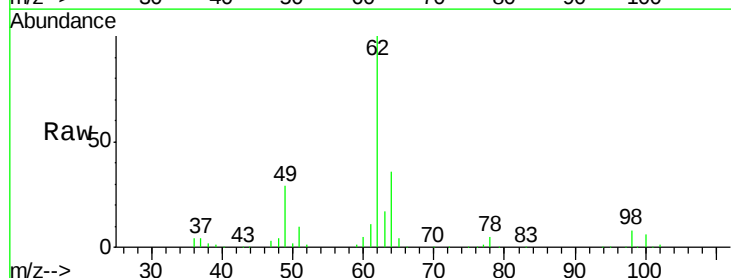
Acq: 14 Mar 2018 18:32

Tgt Ion: 62 Resp: 108535

Ion Ratio Lower Upper

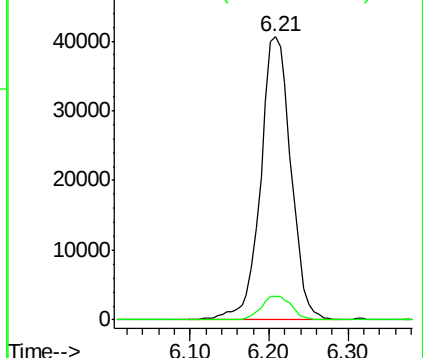
62 100

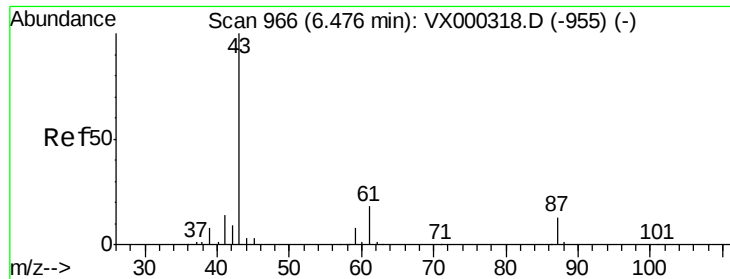
98 8.5 0.0 15.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

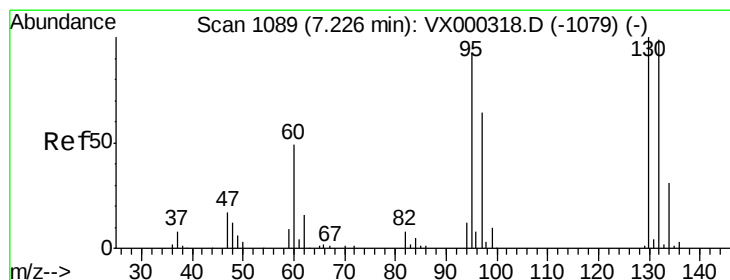
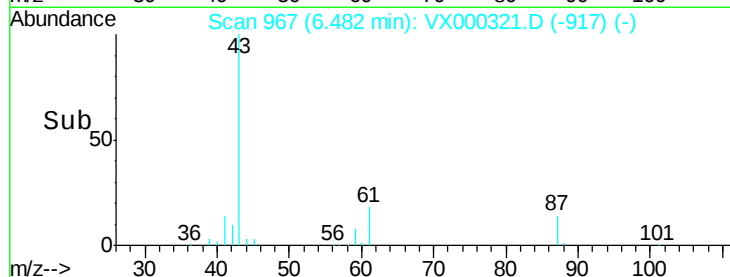
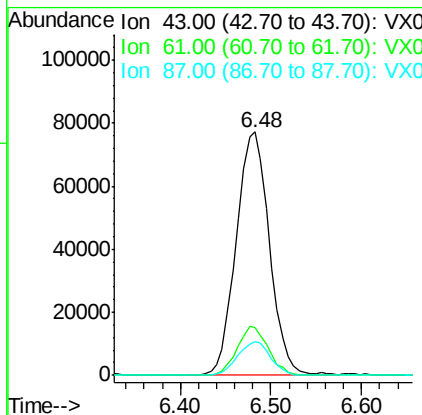
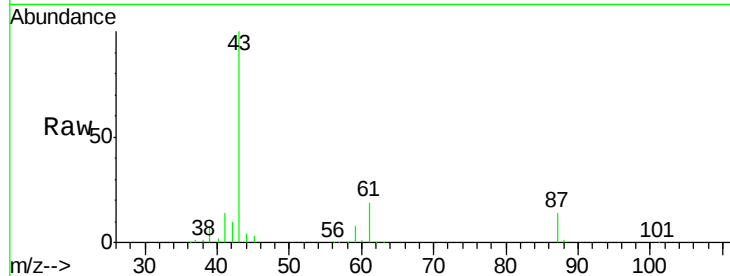
Isopropyl Acetate
 Concen: 50.22 ug/l
 RT: 6.48 min Scan# 967
 Delta R.T. 0.01 min
 Lab File: VX000321.D
 Acq: 14 Mar 2018 18:32

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX031418

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.0	14.4	21.6
87	13.7	11.0	16.4

Manual Integrations
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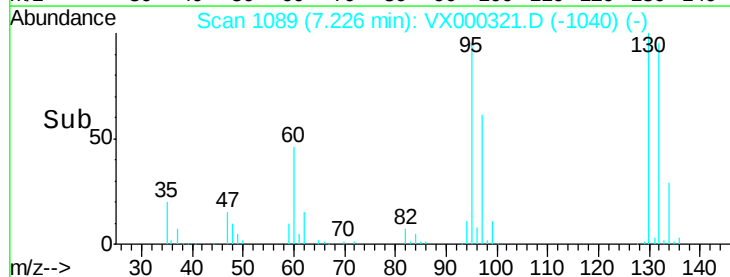
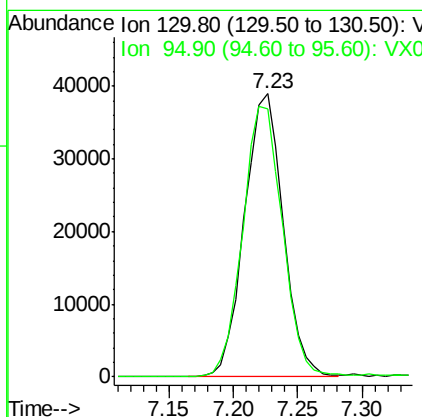
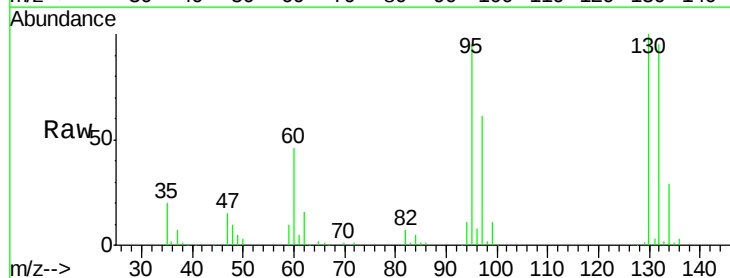
sam
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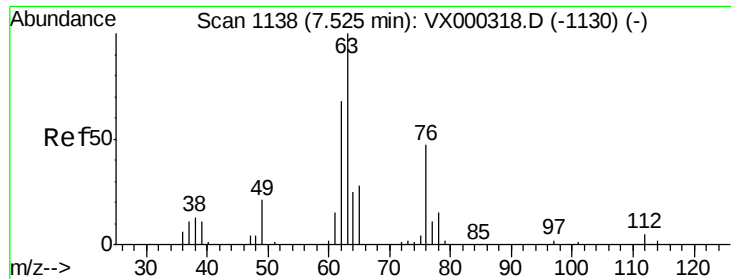


#44

Trichloroethene
 Concen: 48.51 ug/l
 RT: 7.23 min Scan# 1089
 Delta R.T. 0.00 min
 Lab File: VX000321.D
 Acq: 14 Mar 2018 18:32

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.8	0.0	186.0





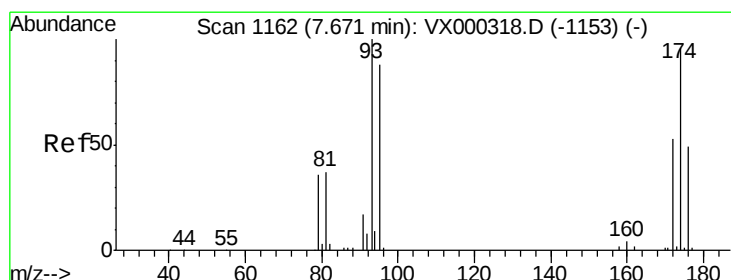
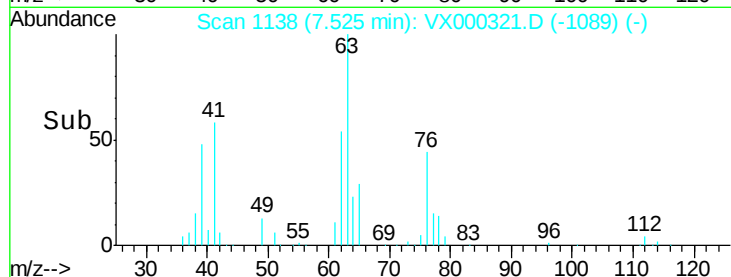
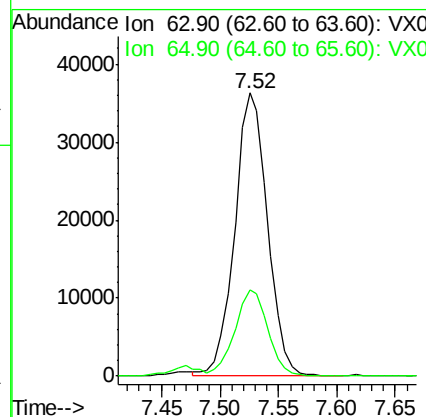
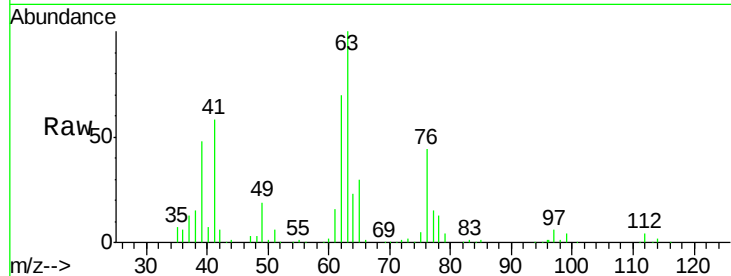
#45
 1,2-Dichloropropane
 Concen: 49.74 ug/l
 RT: 7.52 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VX000321.D
 Acq: 14 Mar 2018 18:32

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX031418

Tot Ion: 63 Resp: 70693
 Ion Ratio Lower Upper
 63 100
 65 30.5 24.6 36.8

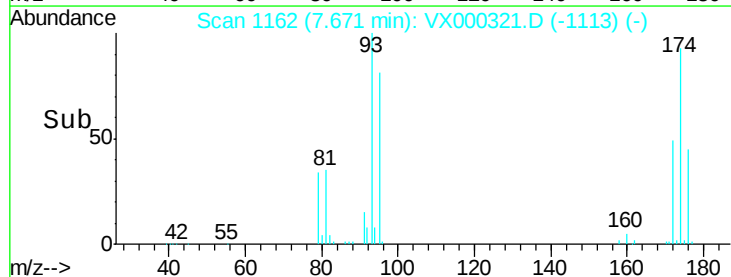
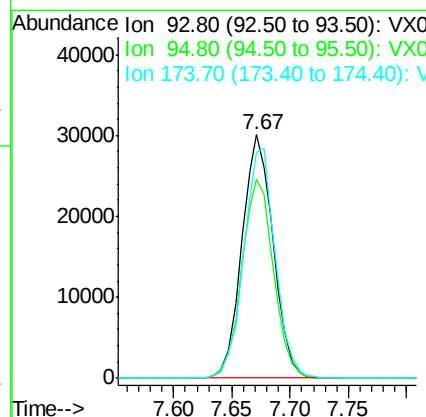
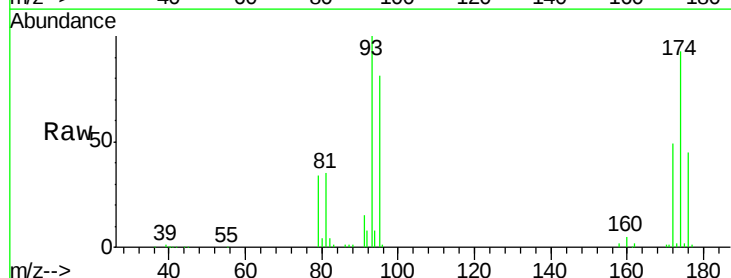
Manual Integrations
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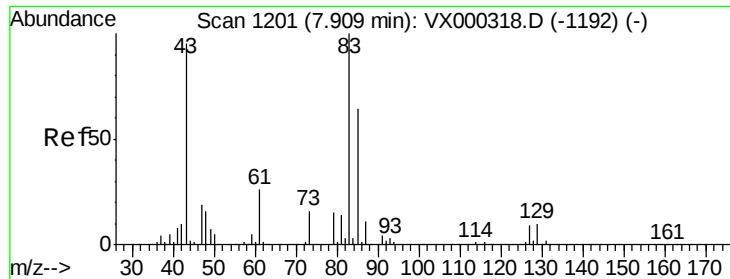
sam
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#46
 Dibromomethane
 Concen: 49.16 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. 0.00 min
 Lab File: VX000321.D
 Acq: 14 Mar 2018 18:32

Tgt Ion: 93 Resp: 56119
 Ion Ratio Lower Upper
 93 100
 95 83.2 66.5 99.7
 174 94.8 76.0 114.0





#47

Bromodichloromethane

Concen: 51.01 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VX000321.D

Acq: 14 Mar 2018 18:32

Instrument :

MSVOA_X

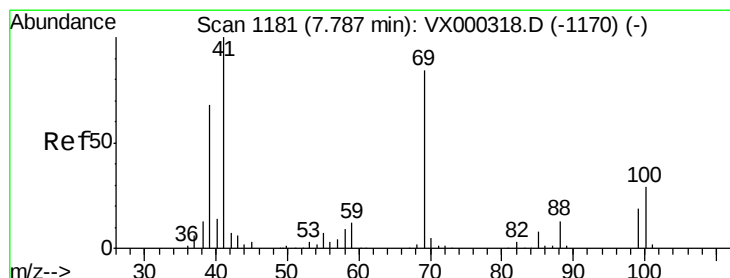
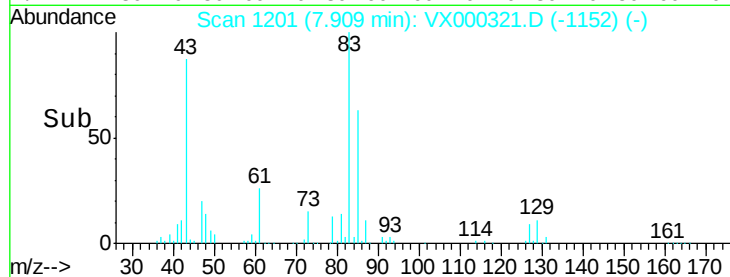
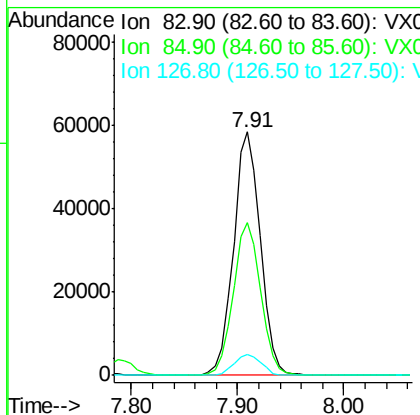
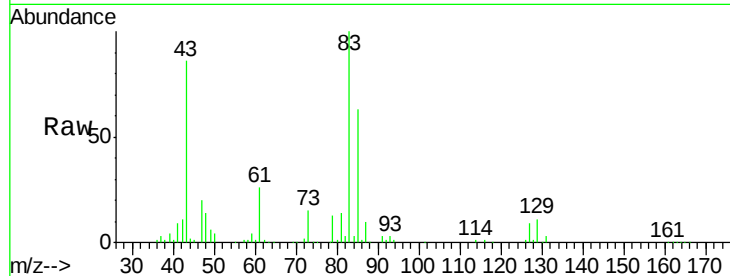
ClientSampleId :

ICVVX031418

Tot Ion:	83	Resp:	103371
Ion Ratio	Lower	Upper	
83	100		
85	62.5	51.4	77.0
127	8.6	7.0	10.6

Manual Integrations
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sam
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#48

Methyl methacrylate

Concen: 48.65 ug/l

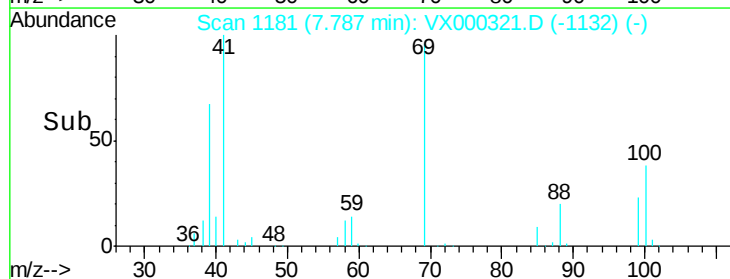
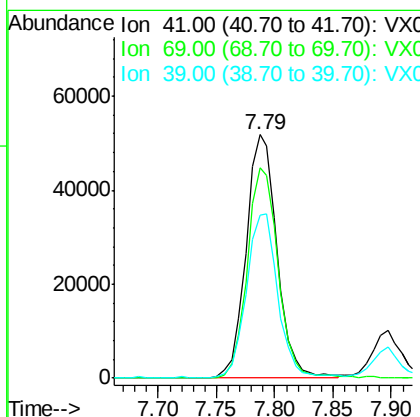
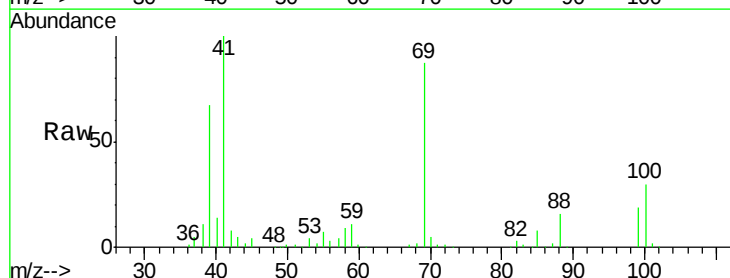
RT: 7.79 min Scan# 1181

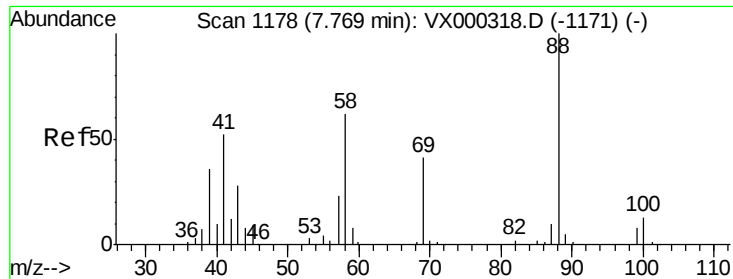
Delta R.T. 0.00 min

Lab File: VX000321.D

Acq: 14 Mar 2018 18:32

Tgt Ion:	41	Resp:	95839
Ion Ratio	Lower	Upper	
41	100		
69	86.3	68.2	102.4
39	68.5	54.6	81.8





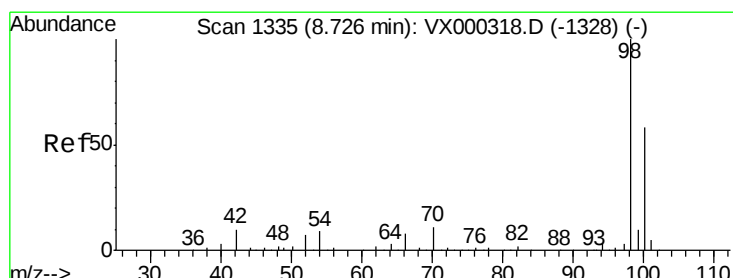
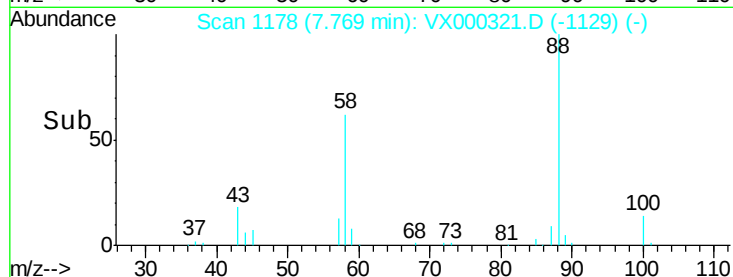
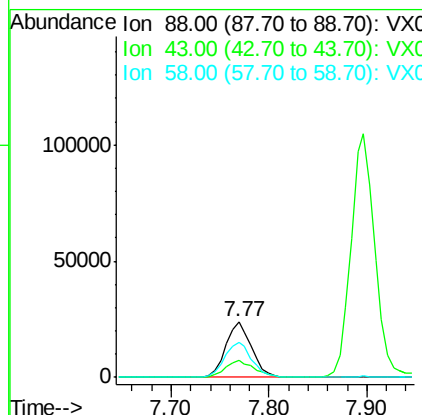
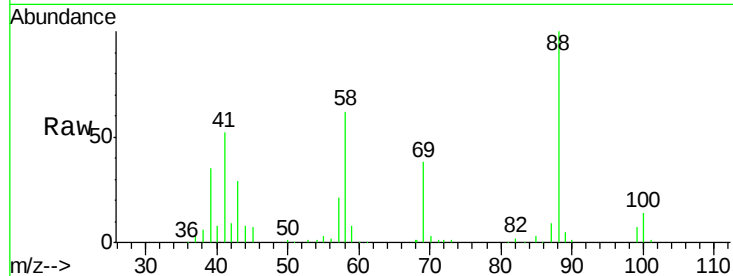
#49
1,4-Dioxane
Concen: 984.76 ug/l
RT: 7.77 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VX000321.D
Acq: 14 Mar 2018 18:32

Instrument :
MSVOA_X
ClientSampleId :
ICVVX031418

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.1	26.8	40.2
58	66.0	52.2	78.2

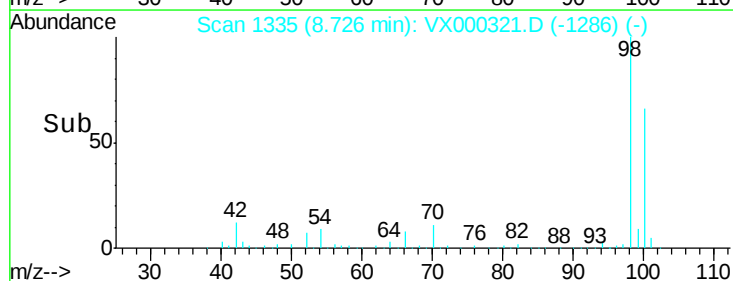
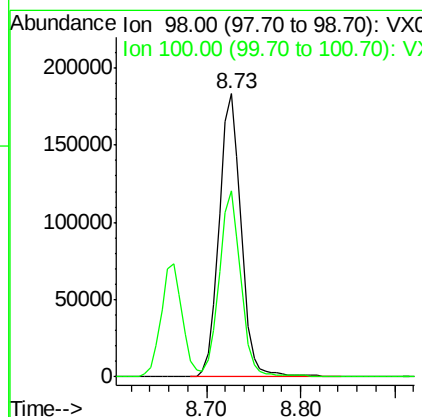
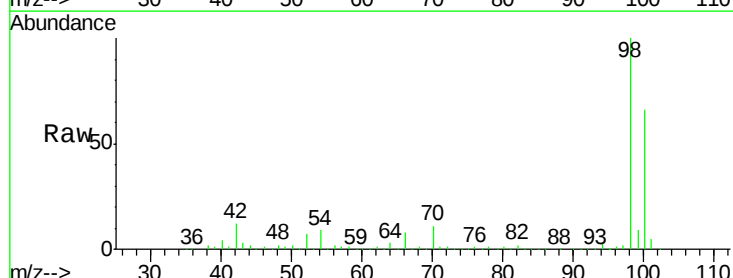
Manual Integrations
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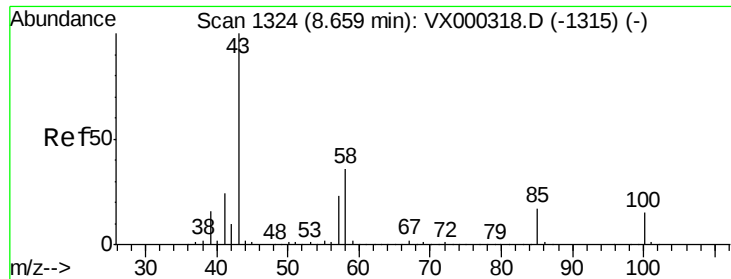
sam
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#50
Toluene-d8
Concen: 50.33 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VX000321.D
Acq: 14 Mar 2018 18:32

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 248.89 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX000321.D

Acq: 14 Mar 2018 18:32

Instrument :

MSVOA_X

ClientSampleId :

ICVVX031418

Tot Ion: 43 Resp: 753051

Ion Ratio Lower Upper

43 100

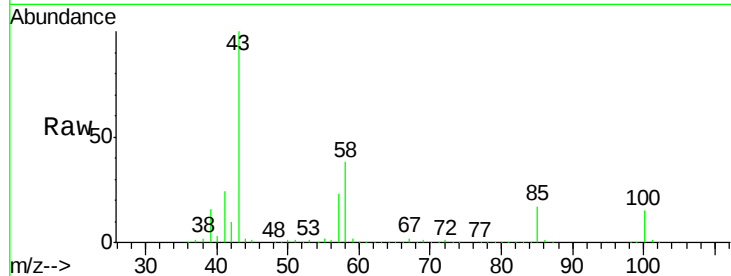
58 37.4 30.3 45.5

Manual Integrations

APPROVED

sam

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.66

400000

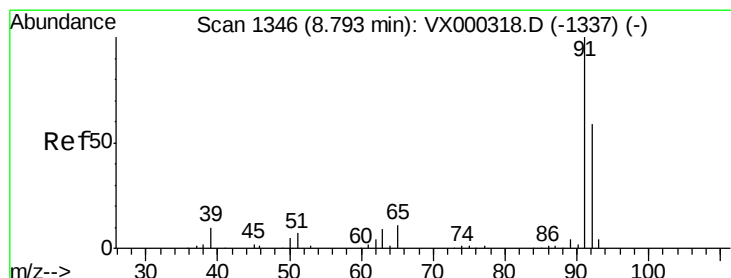
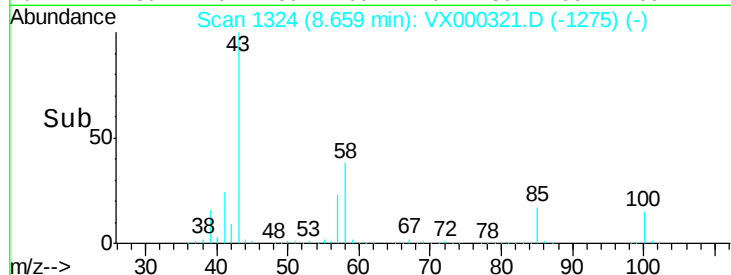
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 50.28 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VX000321.D

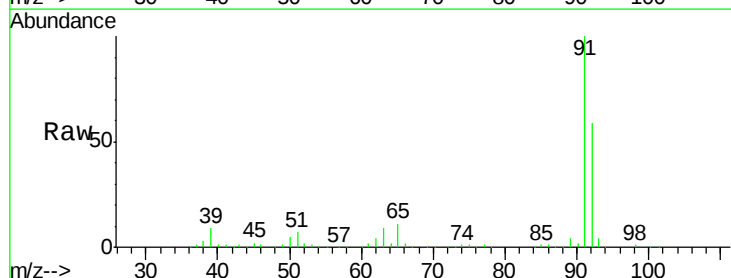
Acq: 14 Mar 2018 18:32

Tgt Ion: 92 Resp: 203529

Ion Ratio Lower Upper

92 100

91 172.1 140.2 210.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

250000

200000

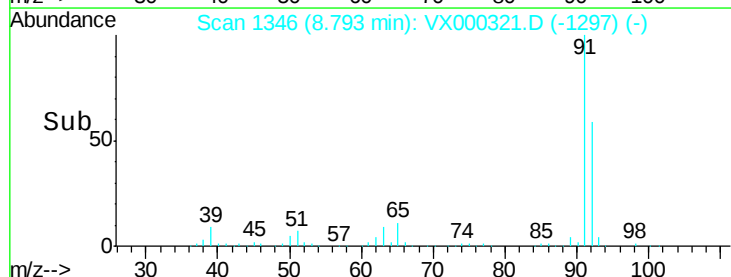
150000

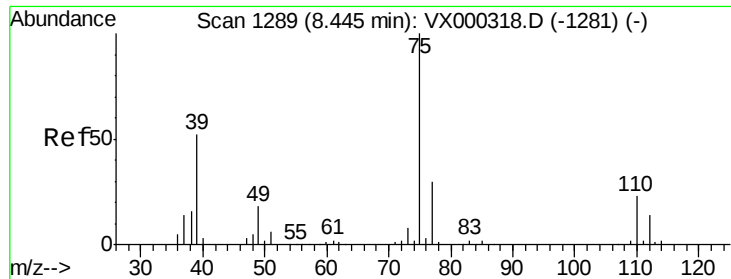
100000

50000

0

Time-->





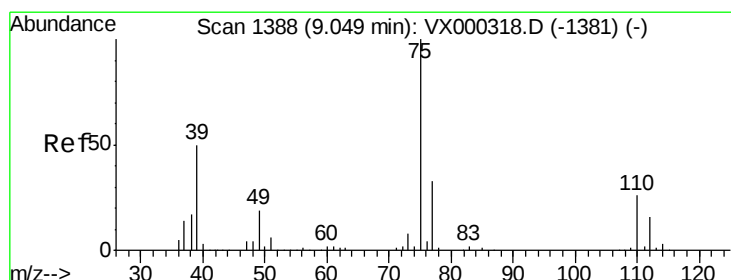
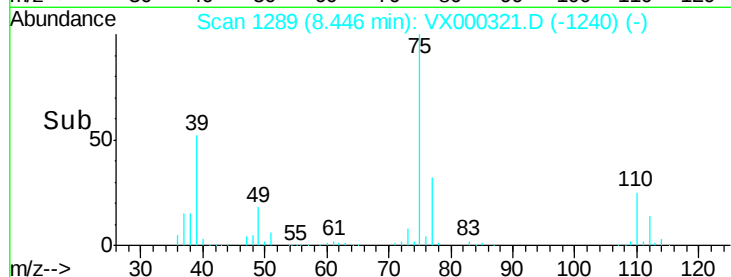
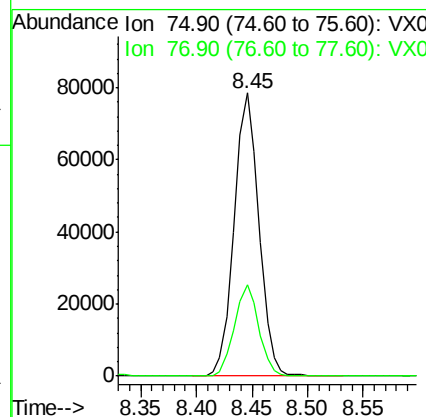
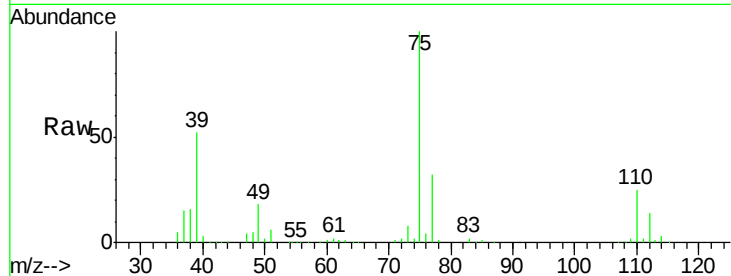
#53
t-1,3-Dichloropropene
Concen: 51.73 ug/l
RT: 8.45 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VX000321.D
Acq: 14 Mar 2018 18:32

Instrument :
MSVOA_X
ClientSampleId :
ICVVX031418

Tot Ion: 75 Resp: 120998
Ion Ratio Lower Upper
75 100
77 32.1 24.0 36.0

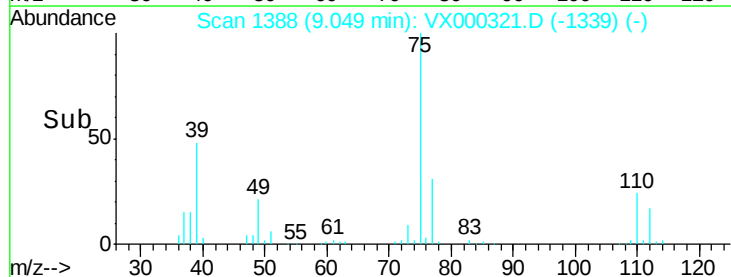
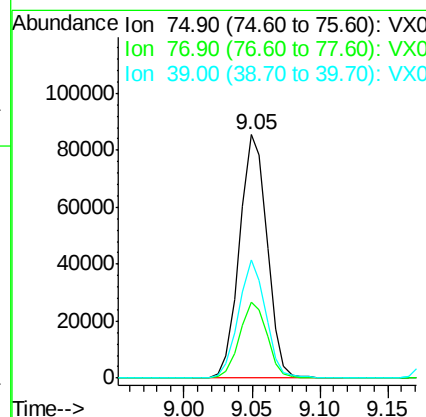
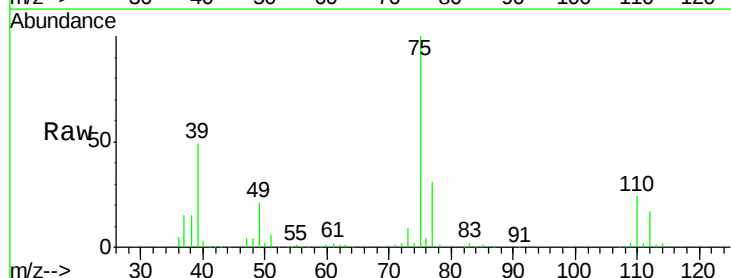
Manual Integrations
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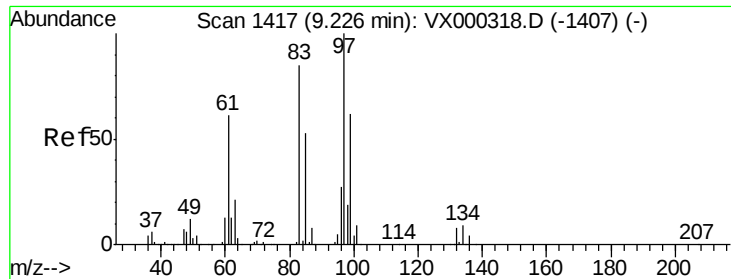
sam
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#54
cis-1,3-Dichloropropene
Concen: 52.93 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. 0.00 min
Lab File: VX000321.D
Acq: 14 Mar 2018 18:32

Tgt Ion: 75 Resp: 121057
Ion Ratio Lower Upper
75 100
77 31.2 26.1 39.1
39 48.4 39.8 59.6





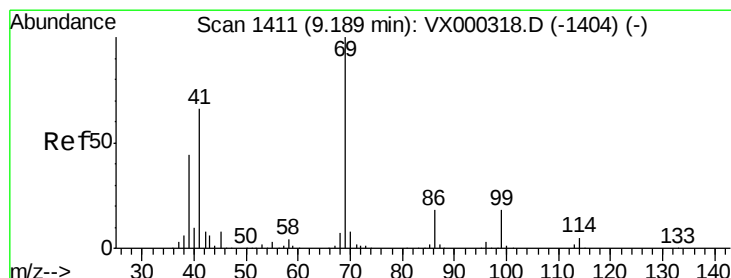
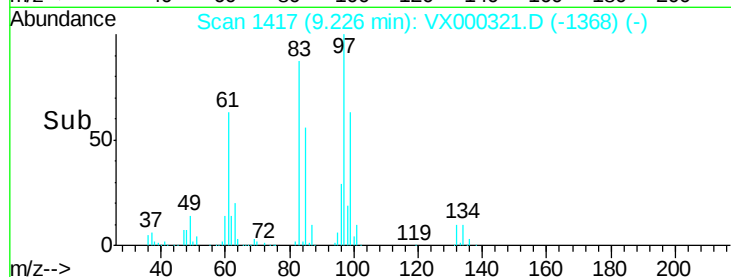
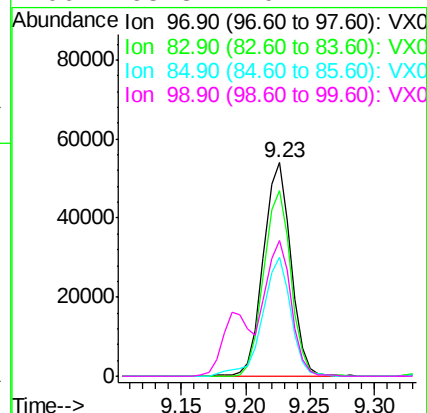
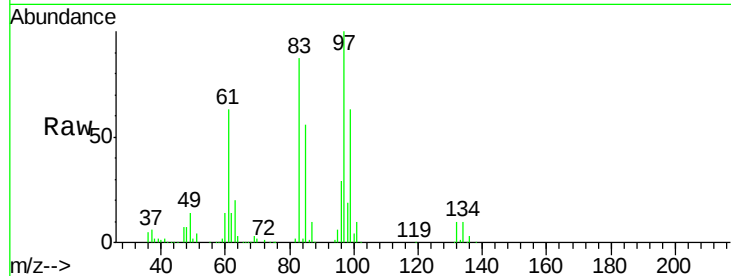
#55
 1,1,2-Trichloroethane
 Concen: 49.17 ug/l
 RT: 9.23 min Scan# 1417
 Delta R.T. 0.00 min
 Lab File: VX000321.D
 Acq: 14 Mar 2018 18:32

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX031418

Tot Ion	Ratio	Lower	Upper
97	100		
83	87.0	67.9	101.9
85	56.0	42.8	64.2
99	63.3	49.4	74.2

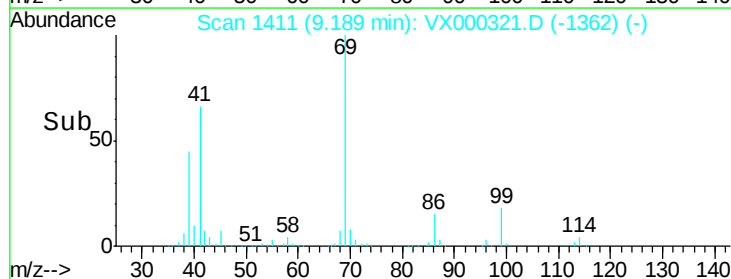
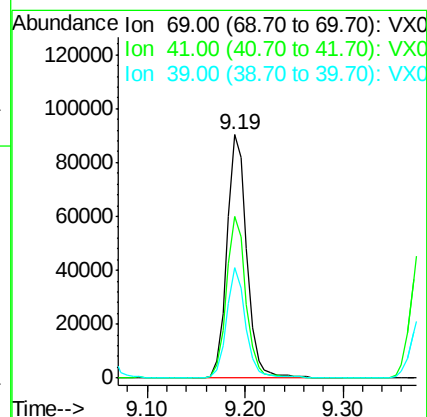
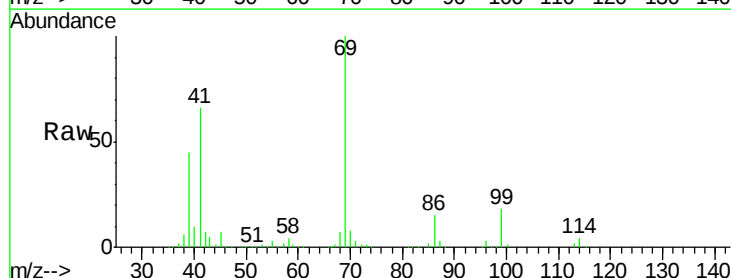
Manual Integrations
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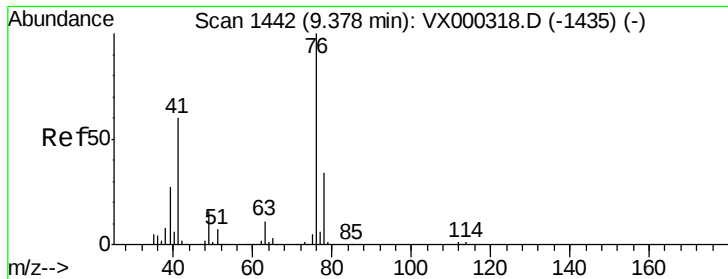
sam
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#56
 Ethyl methacrylate
 Concen: 52.74 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX000321.D
 Acq: 14 Mar 2018 18:32

Tgt Ion	Ratio	Lower	Upper
69	100		
41	65.3	53.0	79.6
39	42.3	35.3	52.9





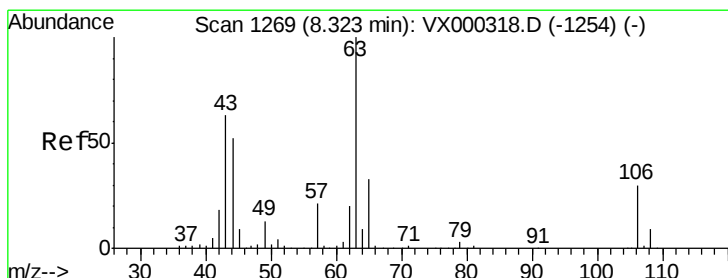
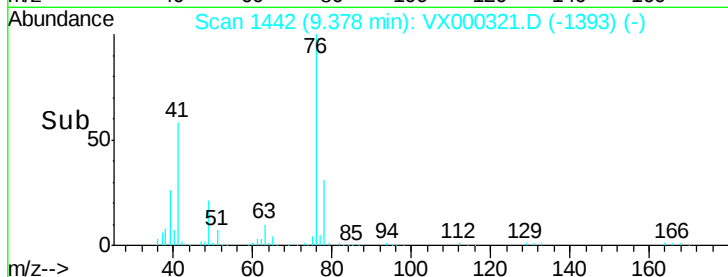
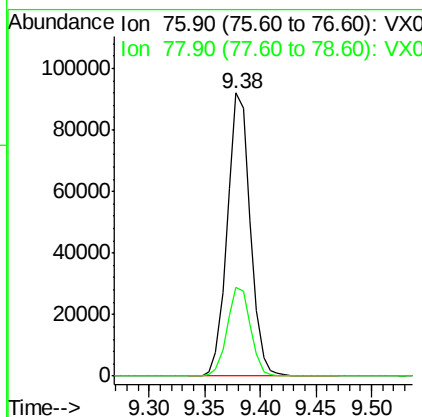
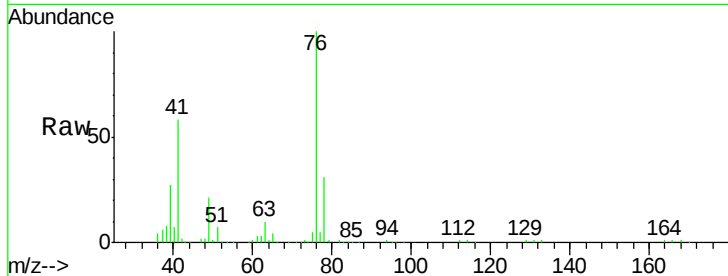
#57
 1,3-Dichloropropane
 Concen: 49.80 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VX000321.D
 Acq: 14 Mar 2018 18:32

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX031418

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.8	26.4	39.6

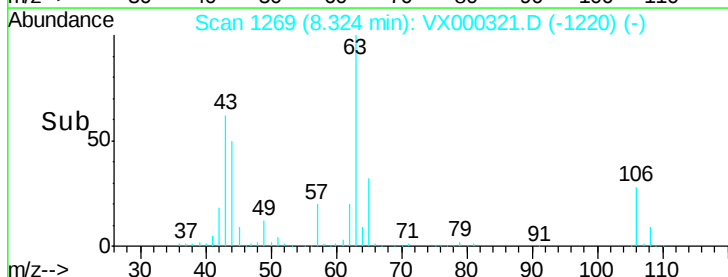
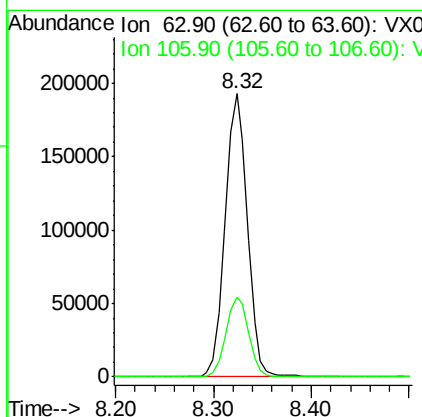
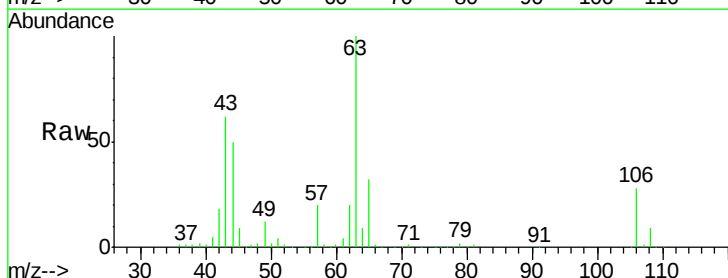
Manual Integrations
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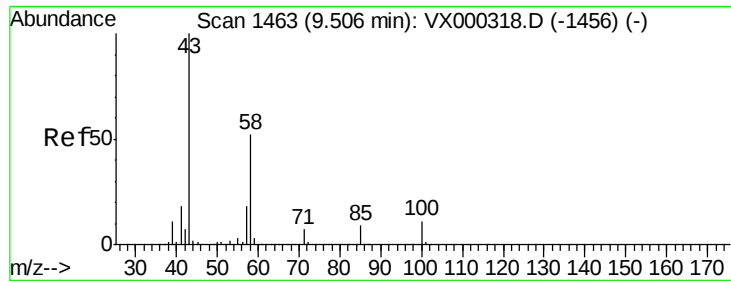
sam
 3/15/2018 3:37:16 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 295.38 ug/l
 RT: 8.32 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VX000321.D
 Acq: 14 Mar 2018 18:32

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.9	23.2	34.8





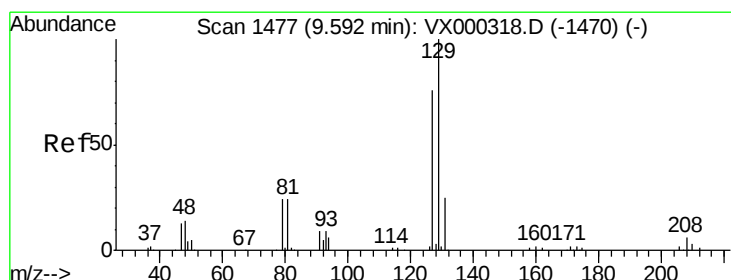
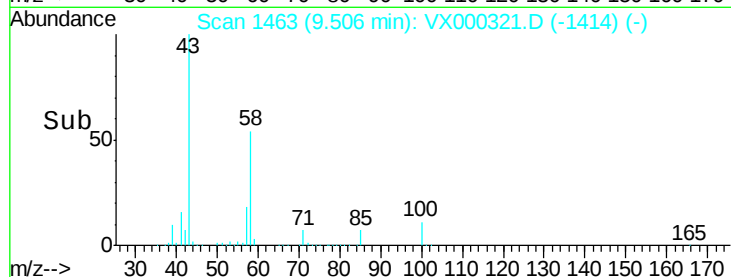
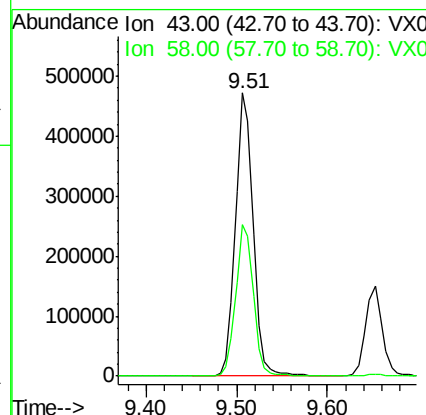
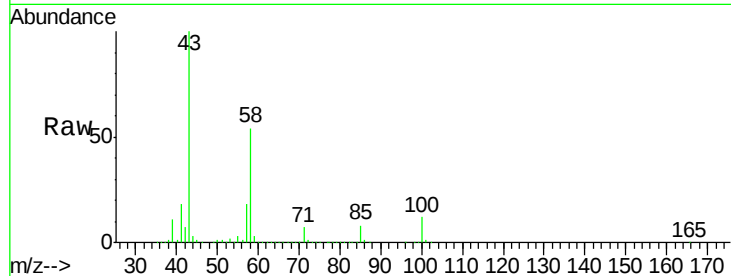
#59
2-Hexanone
Concen: 251.40 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.00 min
Lab File: VX000321.D
Acq: 14 Mar 2018 18:32

Instrument :
MSVOA_X
ClientSampleId :
ICVVX031418

Tot Ion: 43 Resp: 640853
Ion Ratio Lower Upper
43 100
58 53.6 26.6 79.7

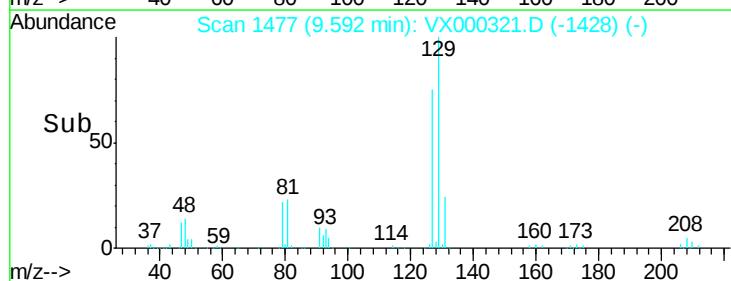
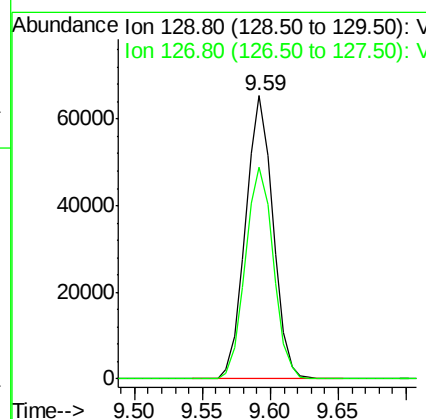
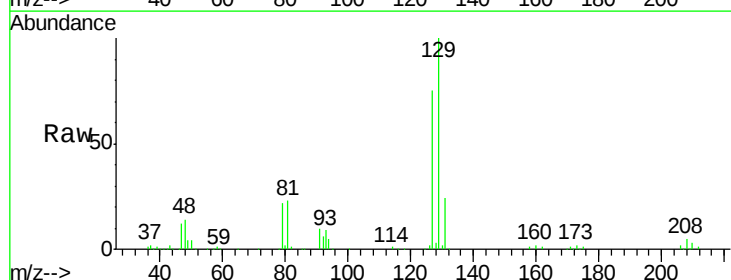
Manual Integrations
APPROVED

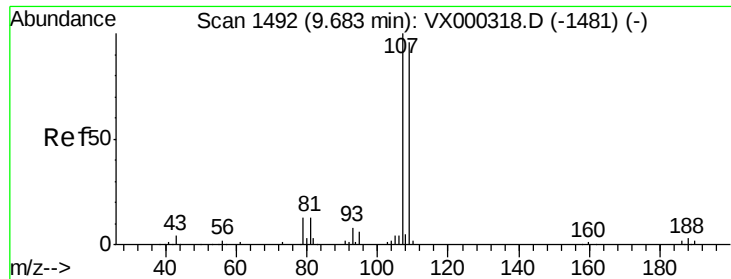
sam
3/15/2018 3:37:16 PM



#60
Dibromochloromethane
Concen: 53.87 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX000321.D
Acq: 14 Mar 2018 18:32

Tgt Ion: 129 Resp: 92522
Ion Ratio Lower Upper
129 100
127 76.6 37.9 113.6





#61

1,2-Dibromoethane

Concen: 50.96 ug/l

RT: 9.68 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX000321.D

Acq: 14 Mar 2018 18:32

Instrument :

MSVOA_X

ClientSampleId :

ICVVX031418

Tot Ion:107 Resp: 91749

Ion Ratio Lower Upper

107 100

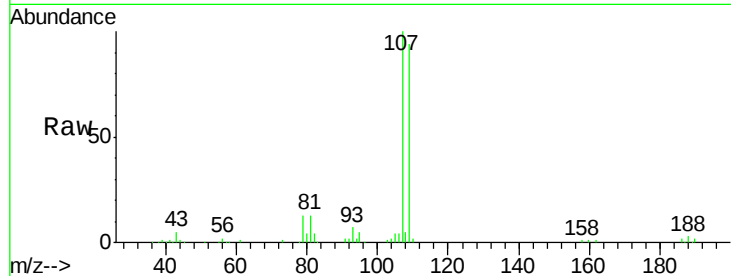
109 94.5 76.1 114.1

Manual Integrations

APPROVED

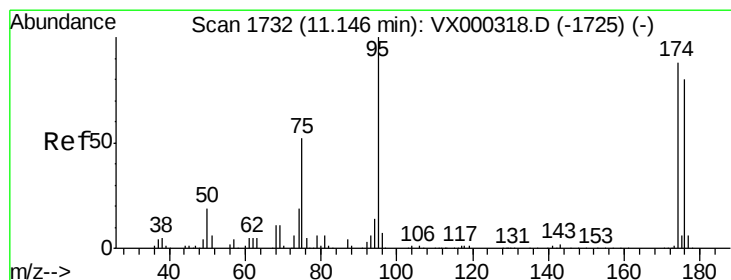
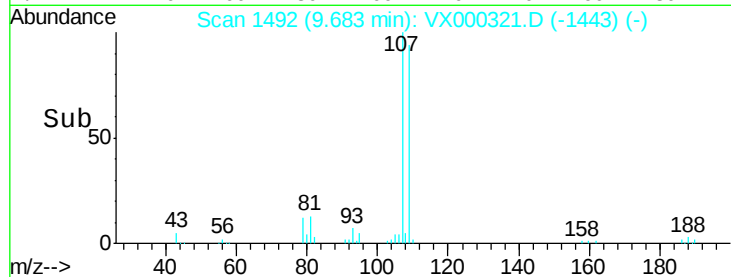
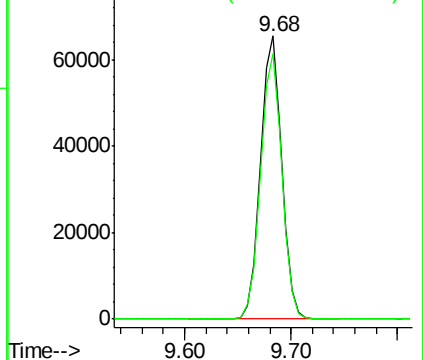
sam

3/15/2018 3:37:16 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.06 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000321.D

Acq: 14 Mar 2018 18:32

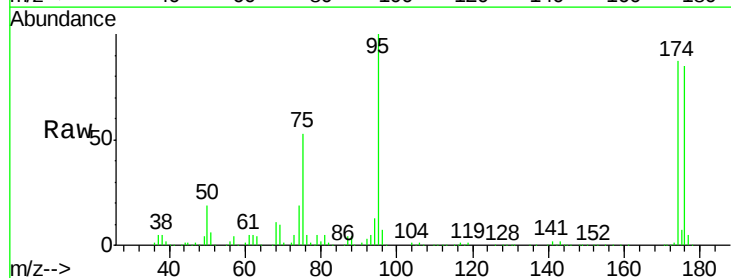
Tgt Ion: 95 Resp: 118122

Ion Ratio Lower Upper

95 100

174 87.7 0.0 173.6

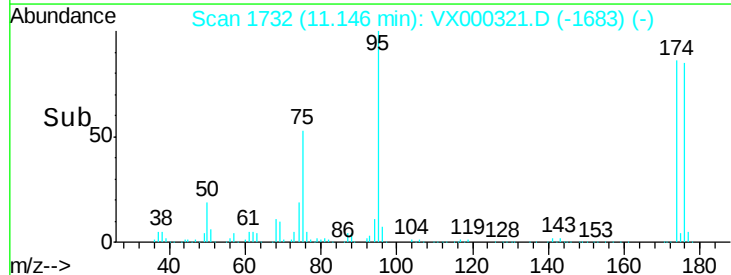
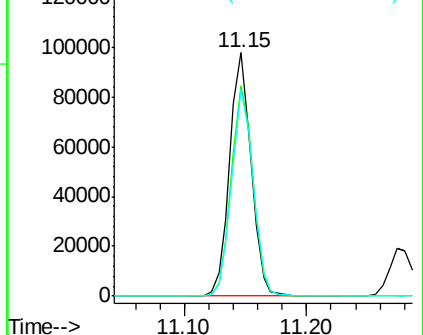
176 85.5 0.0 164.6

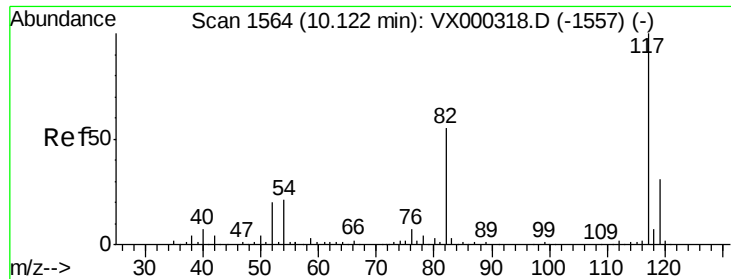


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





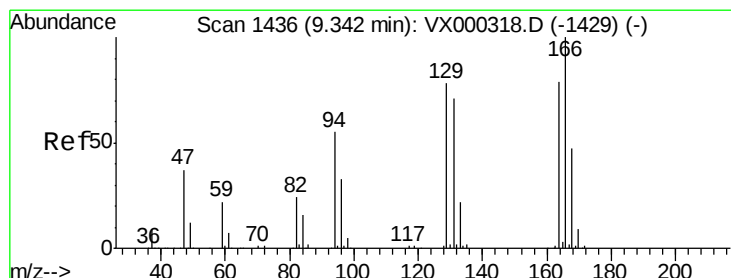
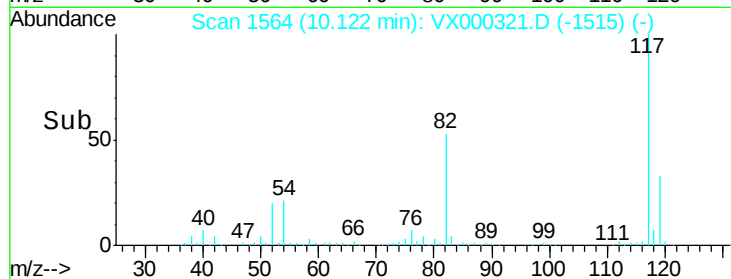
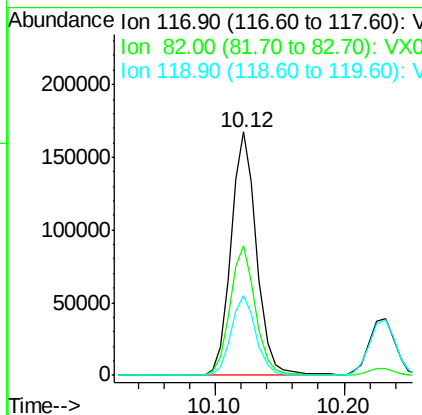
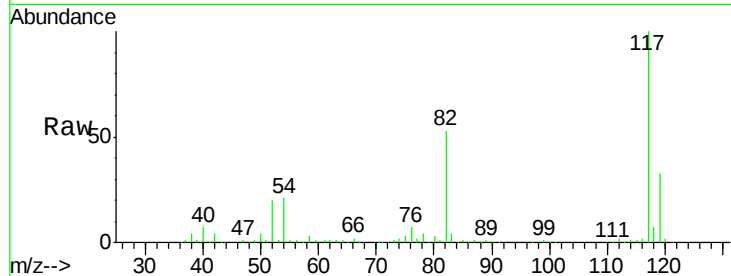
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX000321.D
Acq: 14 Mar 2018 18:32

Instrument :
MSVOA_X
ClientSampleId :
ICVVX031418

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.3	43.8	65.8
119	32.6	24.9	37.3

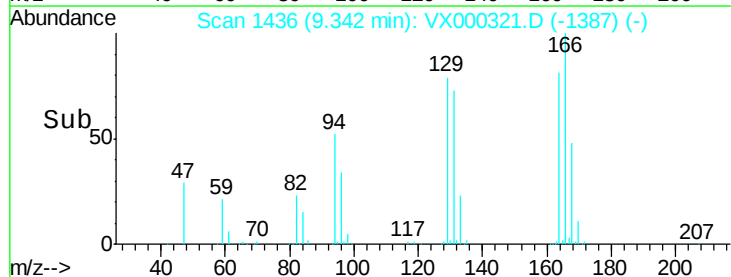
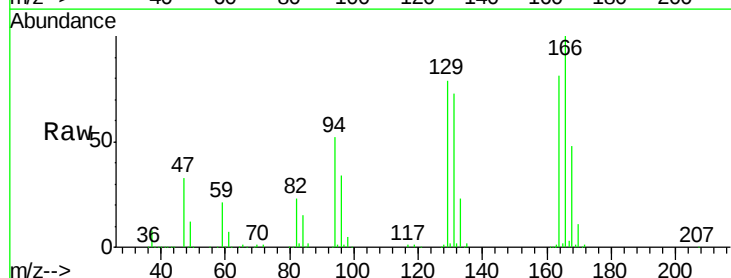
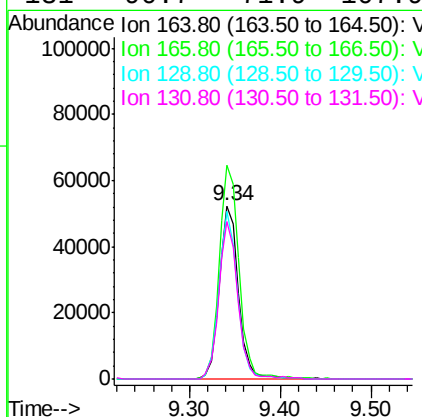
Manual Integrations
APPROVED

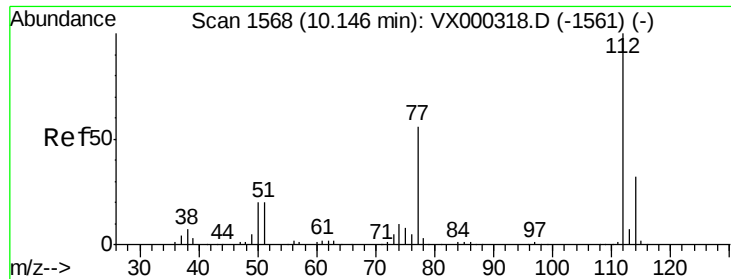
sam
3/15/2018 3:37:16 PM



#64
Tetrachloroethene
Concen: 51.99 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX000321.D
Acq: 14 Mar 2018 18:32

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.4	101.0	151.6
129	97.0	79.0	118.4
131	90.7	71.9	107.9





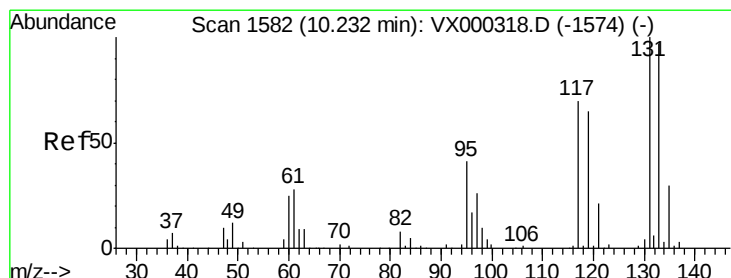
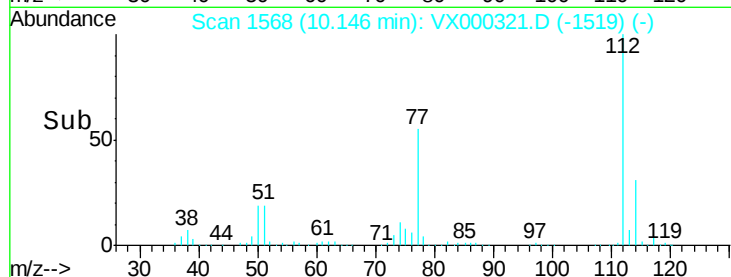
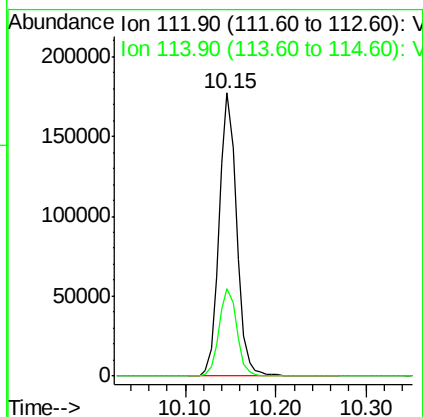
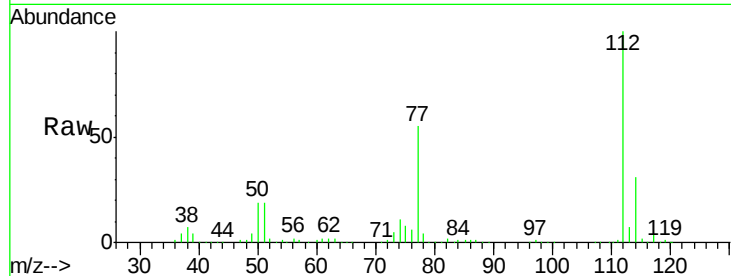
#65
Chlorobenzene
Concen: 50.86 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX000321.D
Acq: 14 Mar 2018 18:32

Instrument :
MSVOA_X
ClientSampleId :
ICVVX031418

Tot Ion:112 Resp: 239520
Ion Ratio Lower Upper
112 100
114 30.7 25.7 38.5

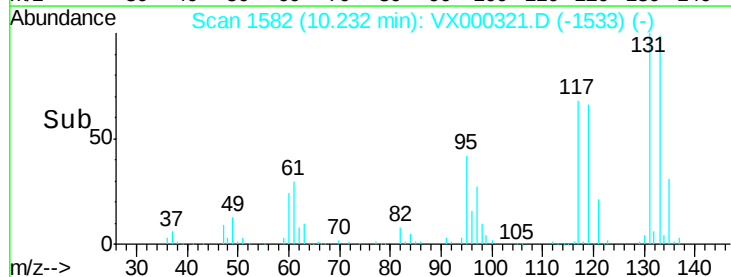
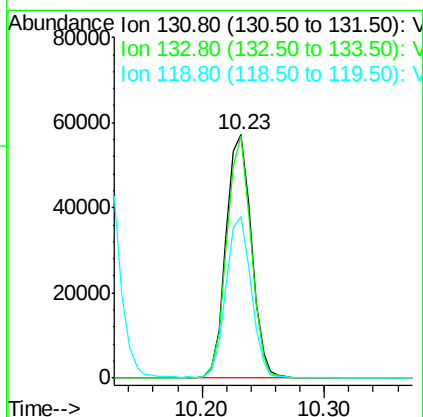
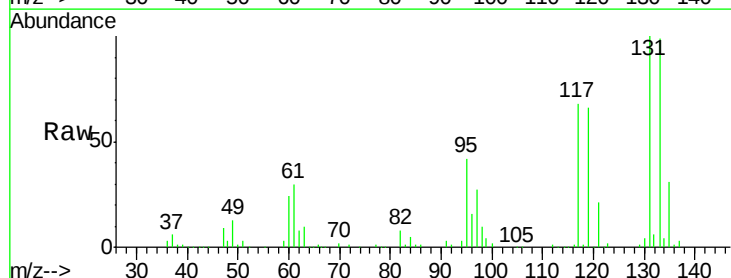
Manual Integrations
APPROVED

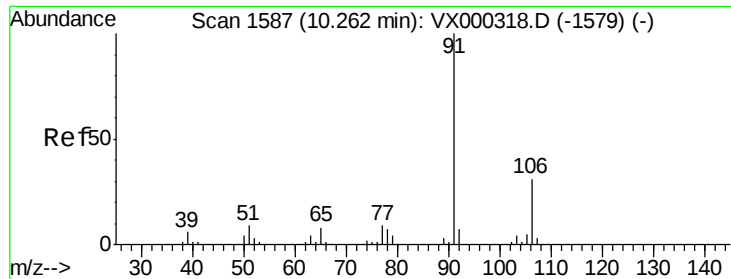
sam
3/15/2018 3:37:16 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.94 ug/l
RT: 10.23 min Scan# 1582
Delta R.T. 0.00 min
Lab File: VX000321.D
Acq: 14 Mar 2018 18:32

Tgt Ion:131 Resp: 82257
Ion Ratio Lower Upper
131 100
133 94.8 47.1 141.3
119 65.8 33.1 99.2





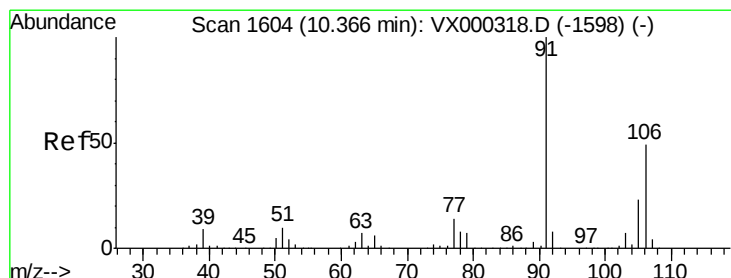
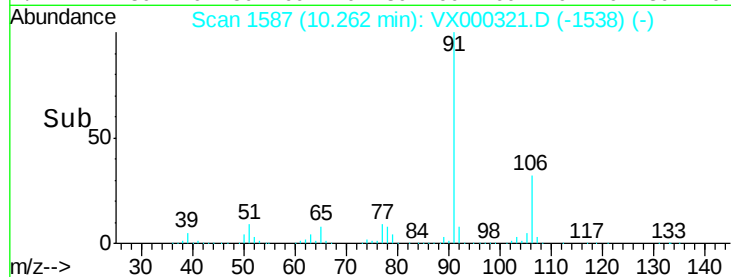
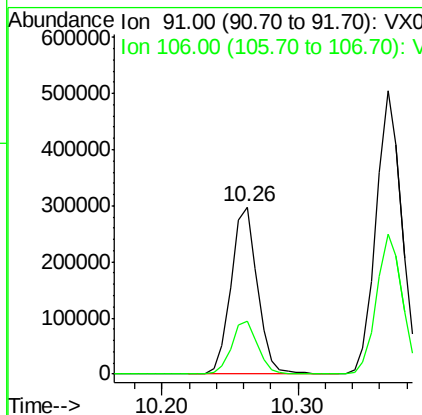
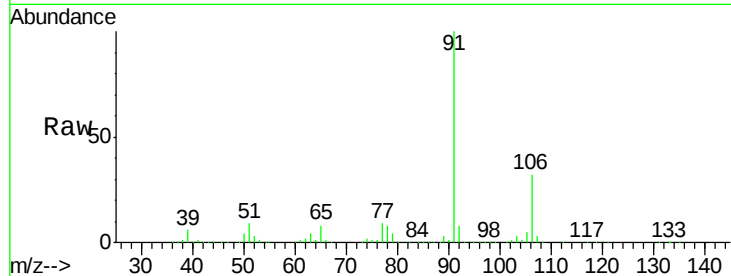
#67
Ethyl Benzene
Concen: 50.22 ug/l
RT: 10.26 min Scan# 1587
Delta R.T. 0.00 min
Lab File: VX000321.D
Acq: 14 Mar 2018 18:32

Instrument :
MSVOA_X
ClientSampleId :
ICVVX031418

Tot Ion: 91 Resp: 403145
Ion Ratio Lower Upper
91 100
106 31.7 25.0 37.6

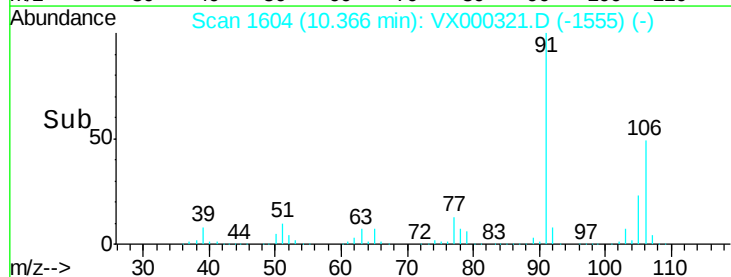
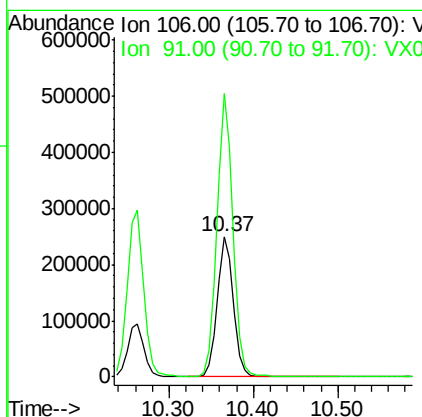
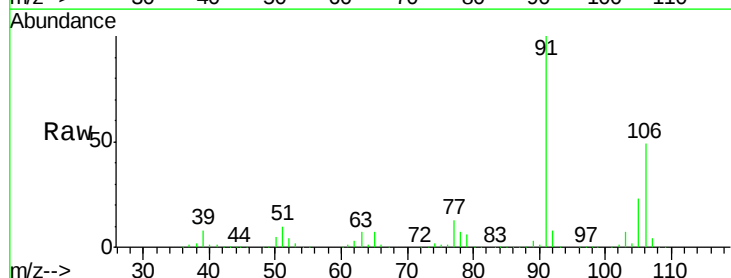
Manual Integrations
APPROVED

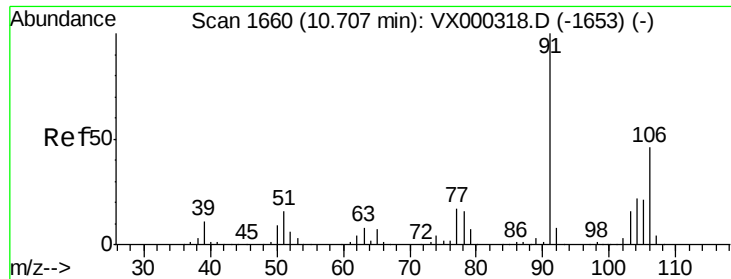
sam
3/15/2018 3:37:16 PM



#68
m/p-Xylenes
Concen: 105.76 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VX000321.D
Acq: 14 Mar 2018 18:32

Tgt Ion: 106 Resp: 330808
Ion Ratio Lower Upper
106 100
91 200.6 163.4 245.2





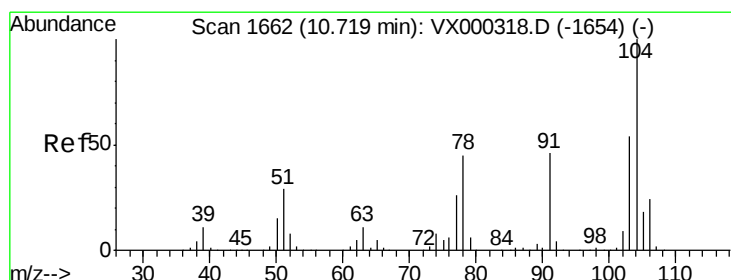
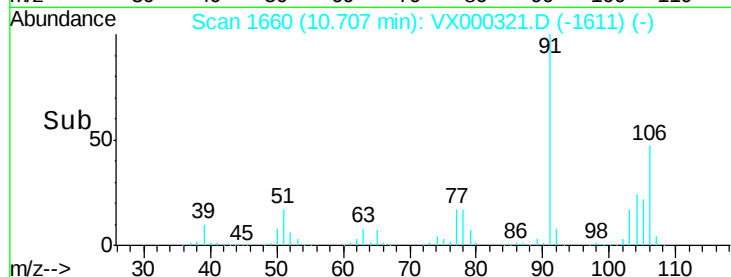
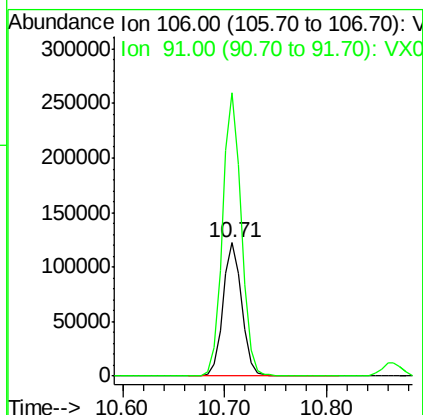
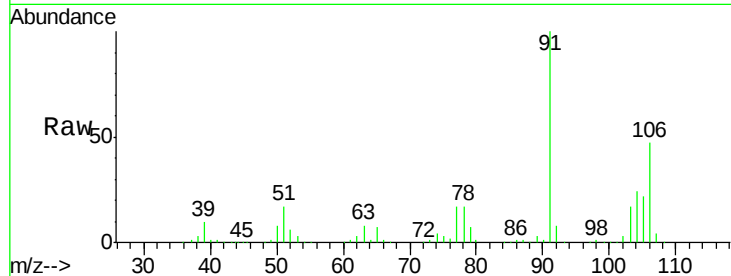
#69
o-Xylene
Concen: 51.29 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.00 min
Lab File: VX000321.D
Acq: 14 Mar 2018 18:32

Instrument :
MSVOA_X
ClientSampled :
ICVVX031418

Tot Ion:106 Resp: 155851
Ion Ratio Lower Upper
106 100
91 213.8 106.5 319.6

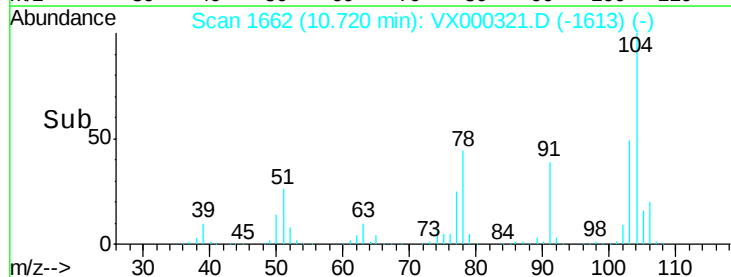
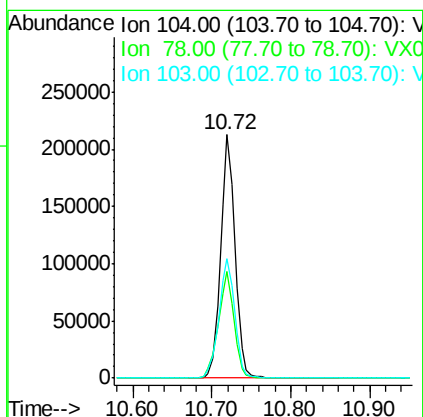
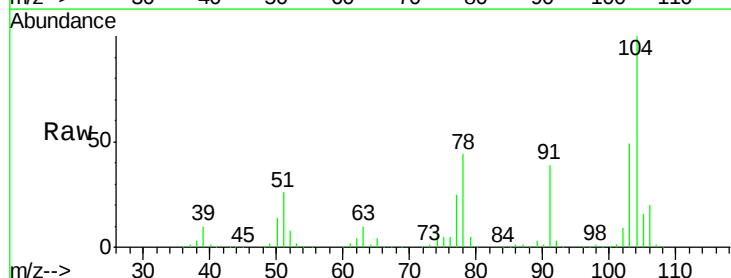
Manual Integrations
APPROVED

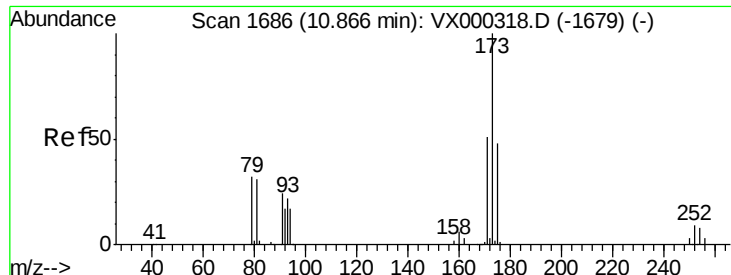
sam
3/15/2018 3:37:16 PM



#70
Styrene
Concen: 53.71 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX000321.D
Acq: 14 Mar 2018 18:32

Tgt Ion:104 Resp: 270810
Ion Ratio Lower Upper
104 100
78 47.7 40.5 60.7
103 54.1 45.7 68.5





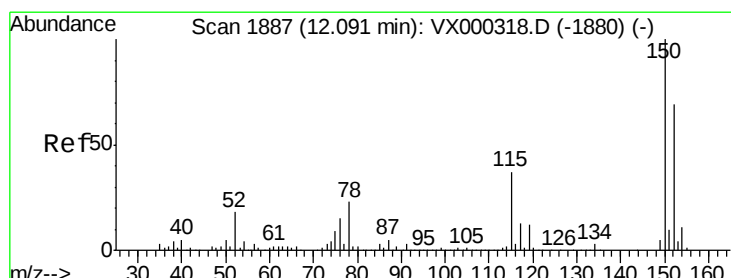
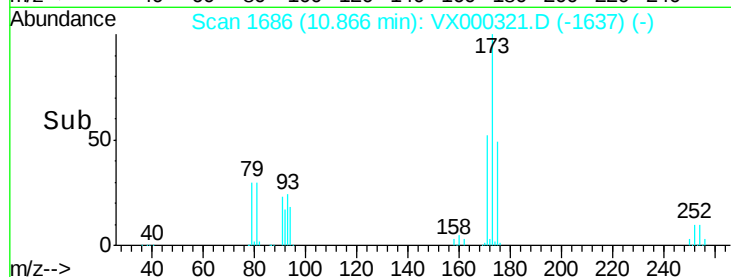
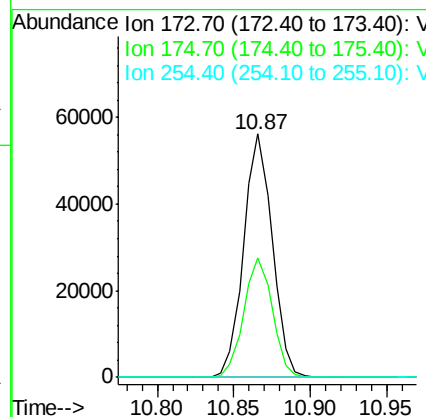
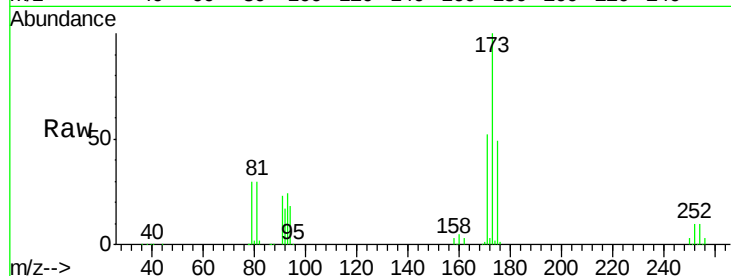
#71
Bromoform
Concen: 45.84 ug/l
RT: 10.87 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VX000321.D
Acq: 14 Mar 2018 18:32

Instrument :
MSVOA_X
ClientSampleId :
ICVVX031418

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	25.4	76.4
254	0.2	0.0	0.0#

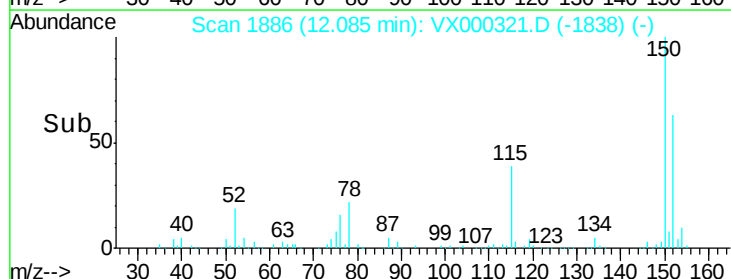
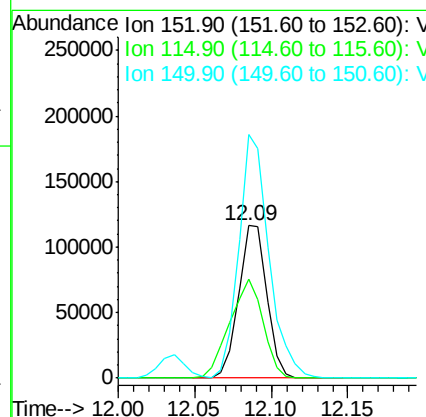
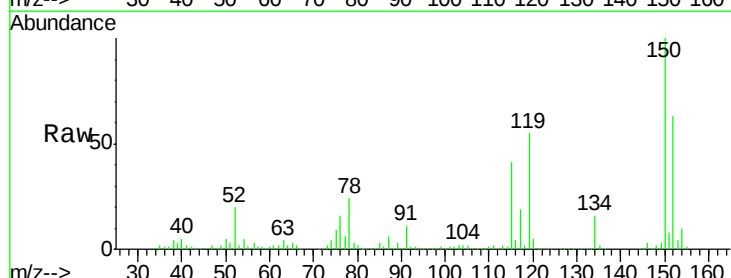
Manual Integrations
APPROVED

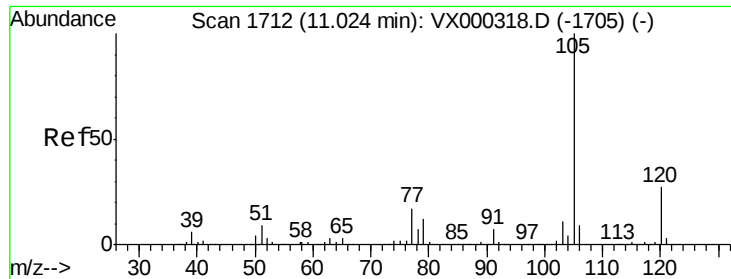
sam
3/15/2018 3:37:16 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.01 min
Lab File: VX000321.D
Acq: 14 Mar 2018 18:32

Tgt Ion	Ratio	Lower	Upper
152	100		
115	77.3	39.8	119.3
150	171.2	0.0	344.4





#73

Isopropylbenzene

Concen: 48.35 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX000321.D

Acq: 14 Mar 2018 18:32

Instrument :

MSVOA_X

ClientSampleId :

ICVVX031418

Tot Ion: 105 Resp: 431189

Ion Ratio Lower Upper

105 100

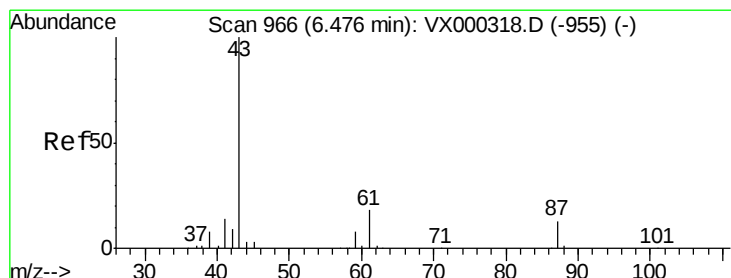
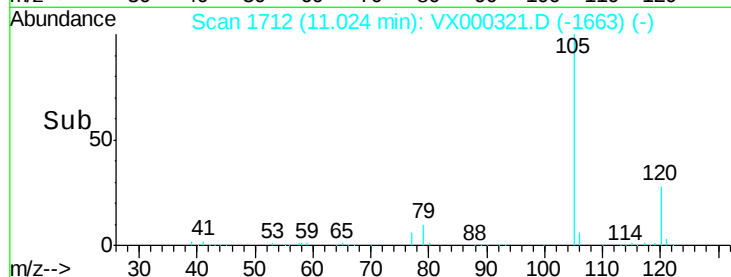
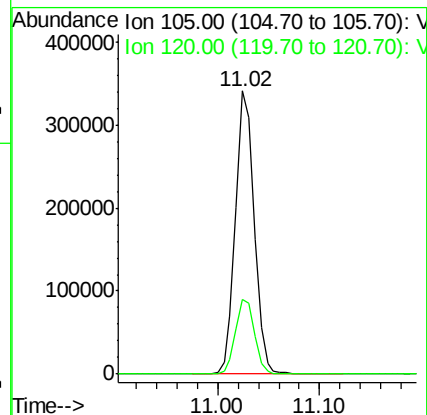
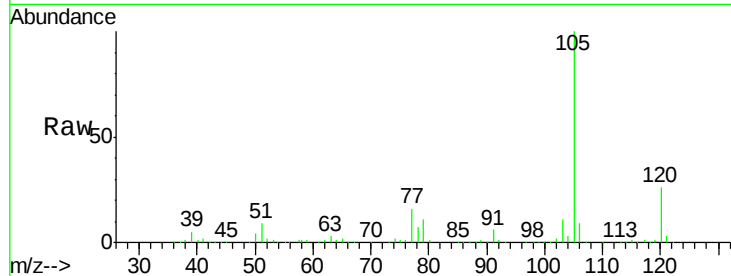
120 26.8 13.6 40.7

Manual Integrations

APPROVED

sam

3/15/2018 3:37:16 PM



#74

N-ethyl acetate

Concen: 45.83 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX000321.D

Acq: 14 Mar 2018 18:32

Tgt Ion: 43 Resp: 195655

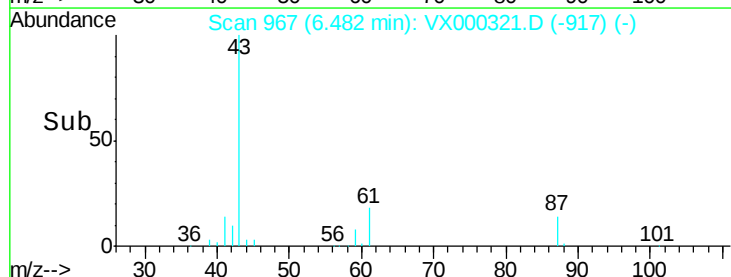
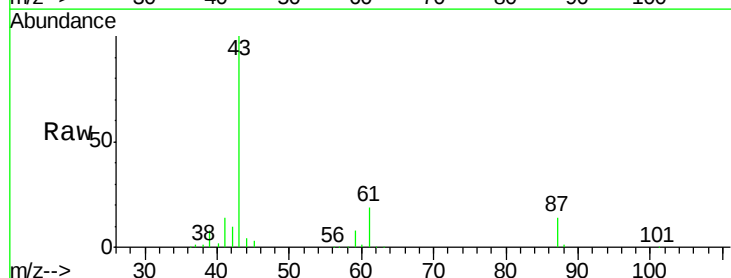
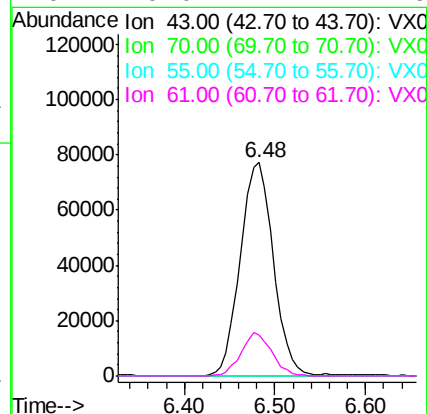
Ion Ratio Lower Upper

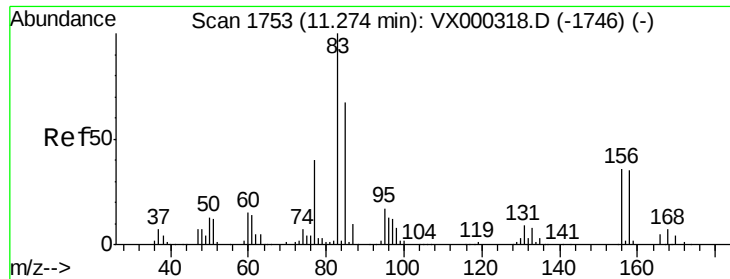
43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 19.0 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 47.12 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX000321.D

Acq: 14 Mar 2018 18:32

Instrument :

MSVOA_X

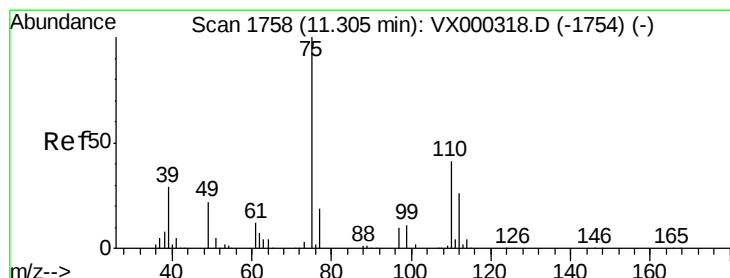
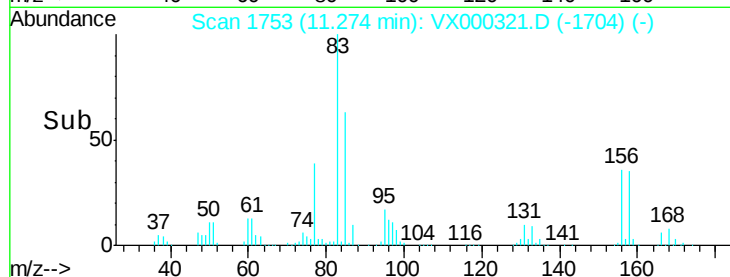
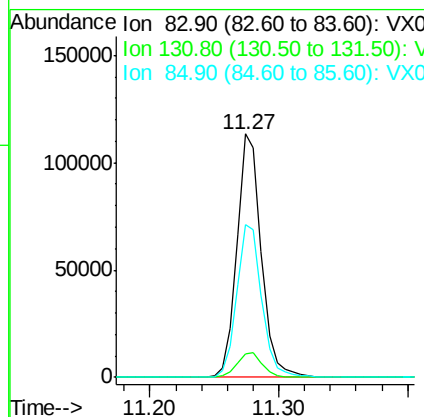
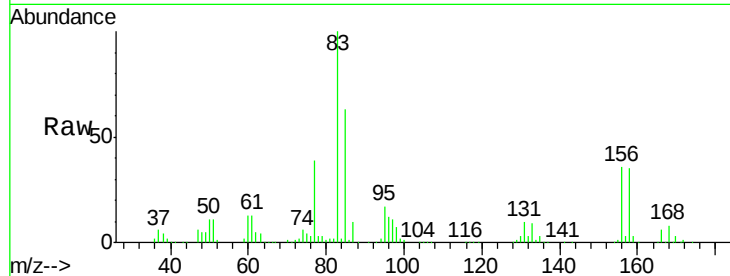
ClientSampleId :

ICVVX031418

Tot Ion:	83	Resp:	149586
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.0	14.9
85	64.5	32.5	97.5

Manual Integrations
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sam
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#76

1,2,3-Trichloropropane

Concen: 49.38 ug/l m

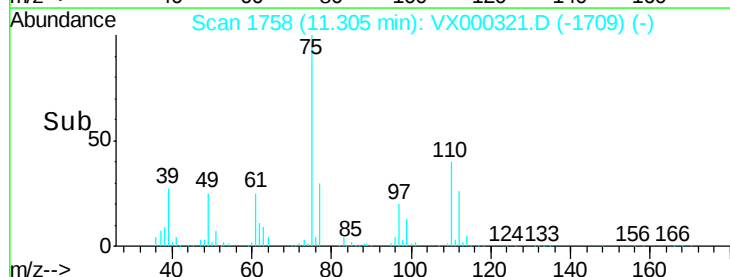
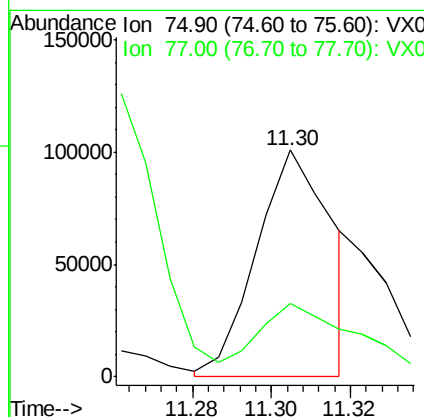
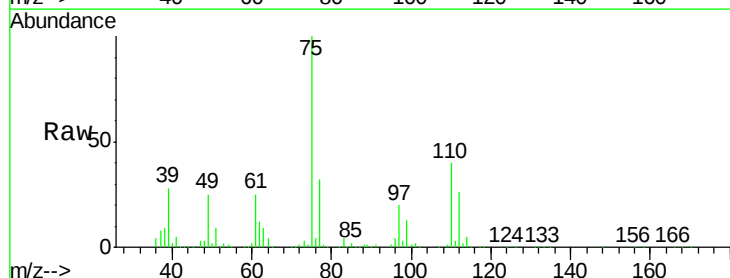
RT: 11.30 min Scan# 1758

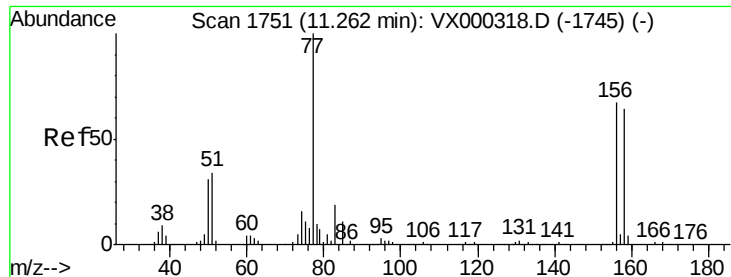
Delta R.T. 0.00 min

Lab File: VX000321.D

Acq: 14 Mar 2018 18:32

Tgt Ion:	75	Resp:	132152
Ion Ratio	Lower	Upper	
75	100		
77	43.6	21.4	64.2





#77

Bromobenzene

Concen: 47.10 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX000321.D

Acq: 14 Mar 2018 18:32

Instrument :

MSVOA_X

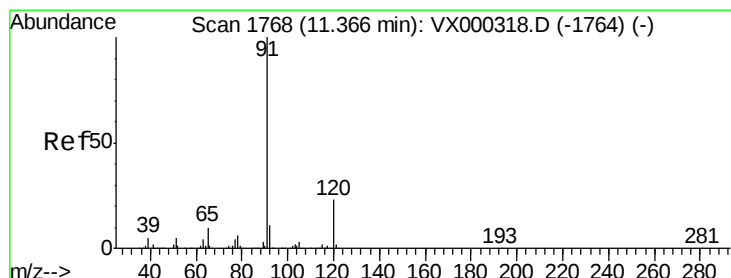
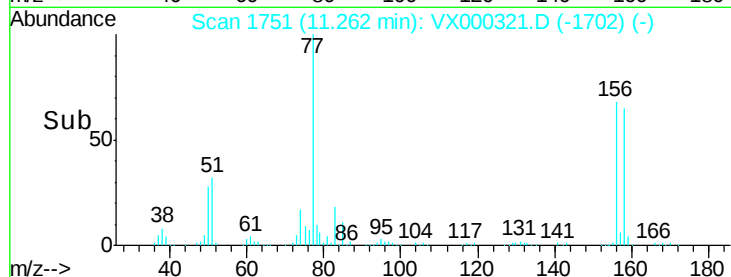
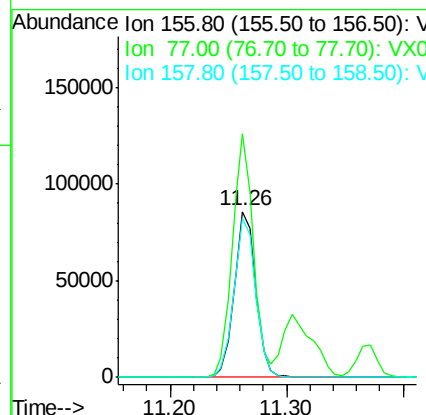
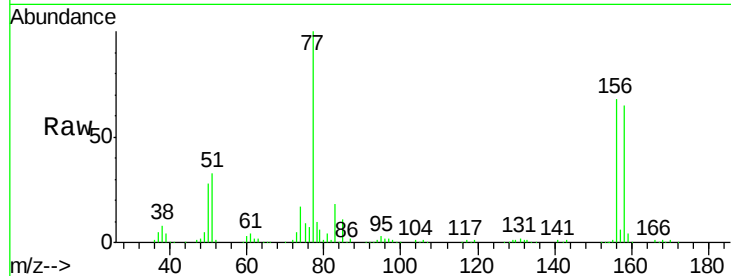
ClientSampleId :

ICVVX031418

Tot Ion	Ratio	Lower	Upper
156	100		
77	143.1	73.4	220.2
158	97.3	48.5	145.6

Manual Integrations
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#78

n-propylbenzene

Concen: 47.48 ug/l

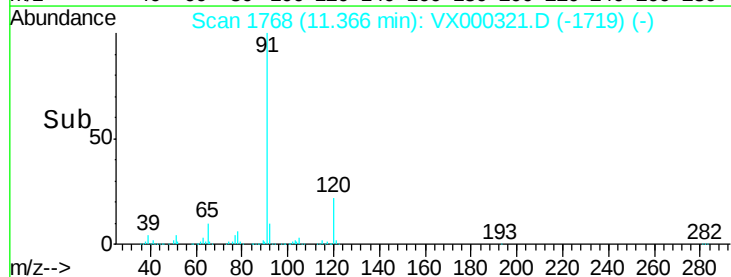
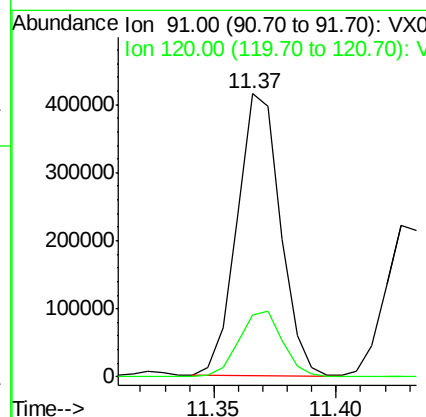
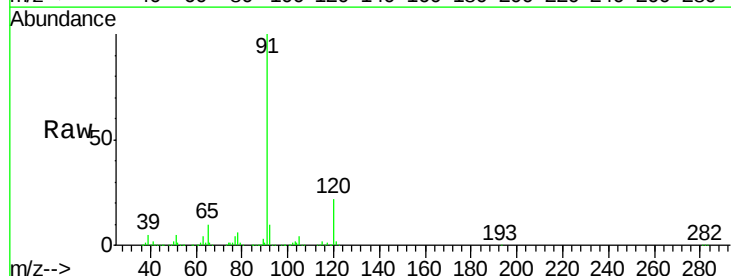
RT: 11.37 min Scan# 1768

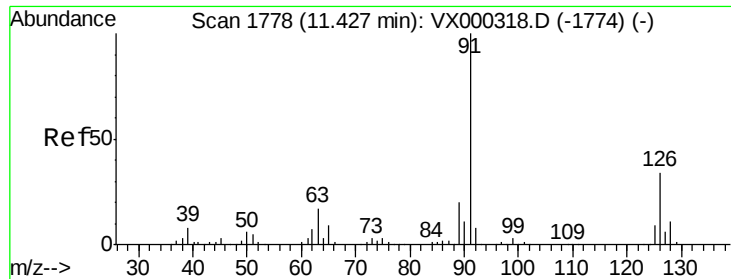
Delta R.T. 0.00 min

Lab File: VX000321.D

Acq: 14 Mar 2018 18:32

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.6	11.8	35.3





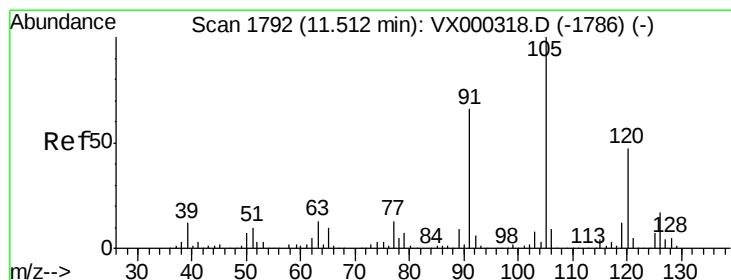
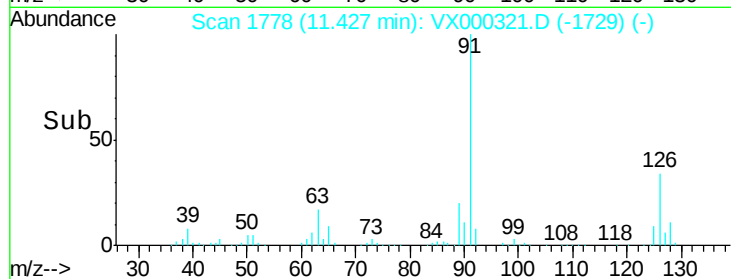
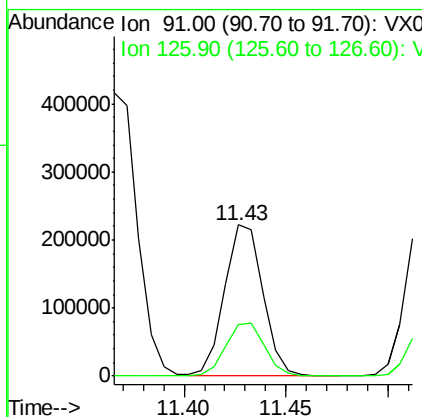
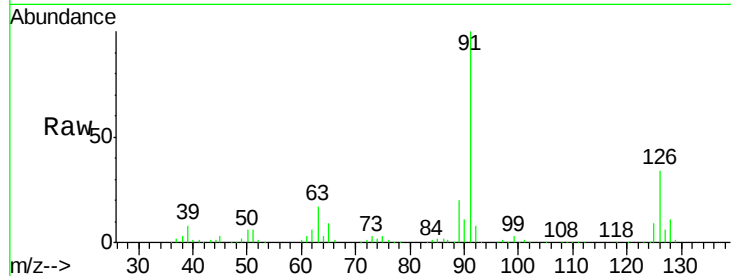
#79
 2-Chlorotoluene
 Concen: 46.96 ug/l
 RT: 11.43 min Scan# 1778
 Delta R.T. 0.00 min
 Lab File: VX000321.D
 Acq: 14 Mar 2018 18:32

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX031418

Tot Ion: 91 Resp: 286606
 Ion Ratio Lower Upper
 91 100
 126 35.9 17.7 53.1

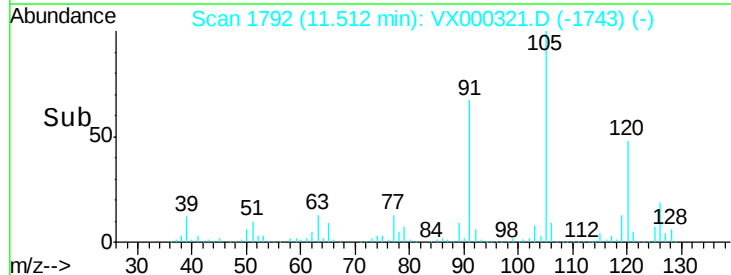
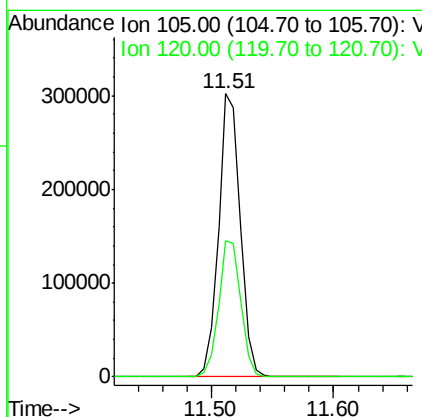
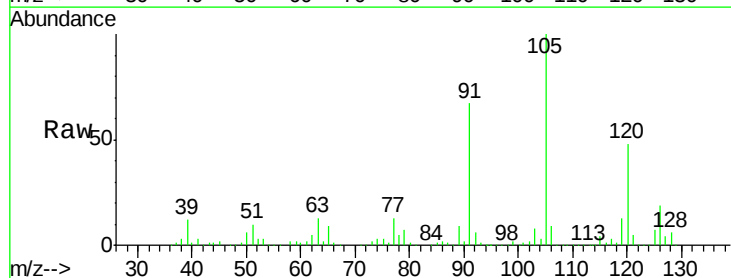
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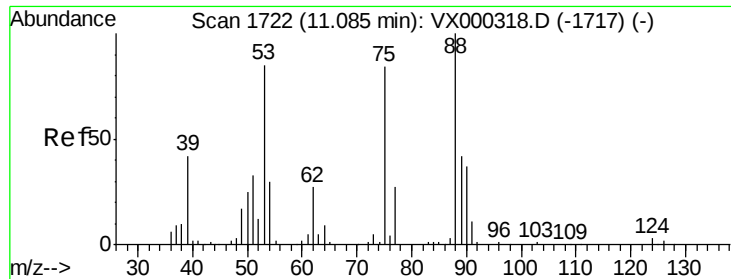
sam
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#80
 1,3,5-Trimethylbenzene
 Concen: 49.14 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX000321.D
 Acq: 14 Mar 2018 18:32

Tgt Ion: 105 Resp: 373371
 Ion Ratio Lower Upper
 105 100
 120 49.3 24.1 72.4





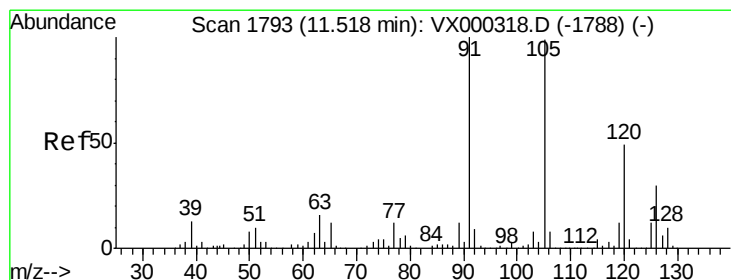
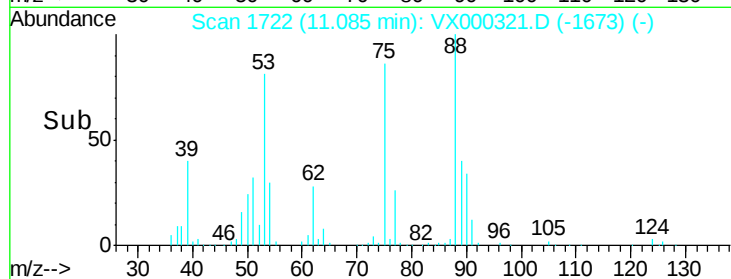
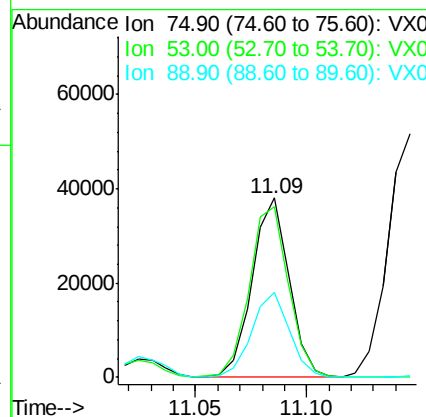
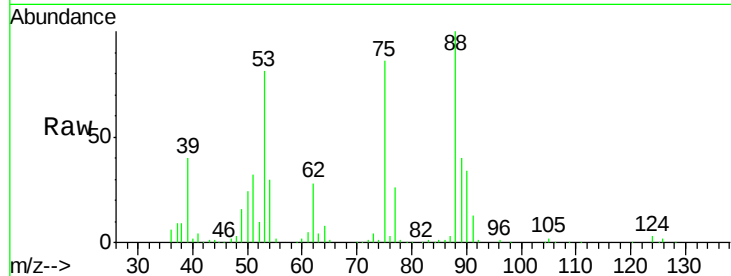
#81
trans-1,4-Dichloro-2-butene
Concen: 45.08 ug/l
RT: 11.09 min Scan# 1722
Delta R.T. 0.00 min
Lab File: VX000321.D
Acq: 14 Mar 2018 18:32

Instrument :
MSVOA_X
ClientSampleId :
ICVVX031418

Tot Ion: 75 Resp: 43987
Ion Ratio Lower Upper
75 100
53 101.9 80.7 121.1
89 48.4 39.4 59.0

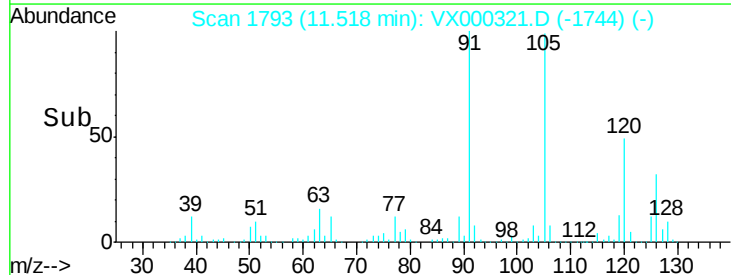
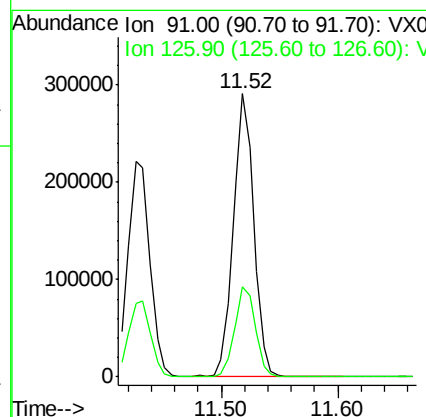
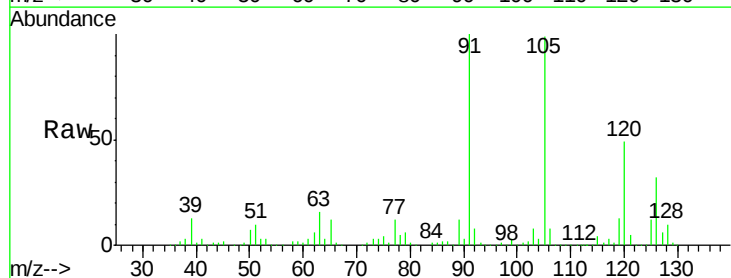
Manual Integrations
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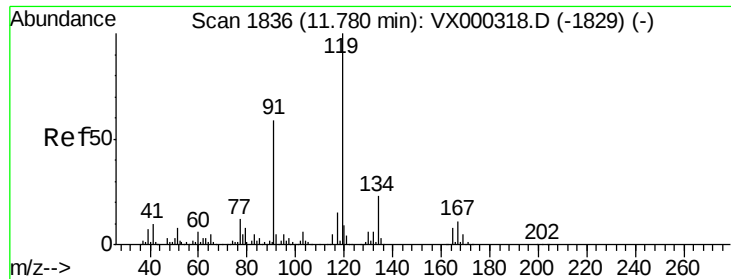
sam
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#82
4-Chlorotoluene
Concen: 47.64 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VX000321.D
Acq: 14 Mar 2018 18:32

Tgt Ion: 91 Resp: 357345
Ion Ratio Lower Upper
91 100
126 32.4 15.4 46.1





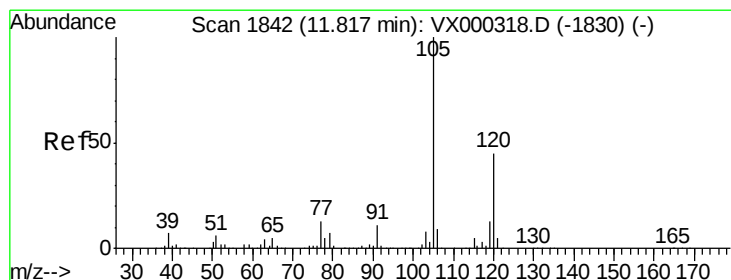
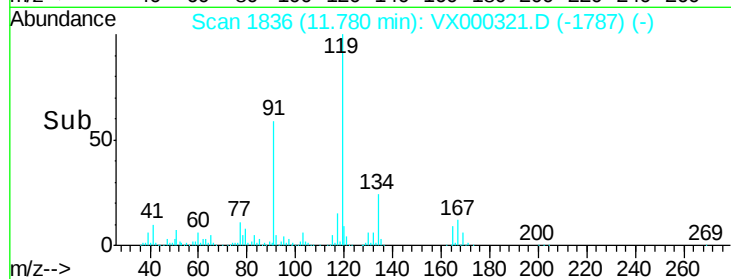
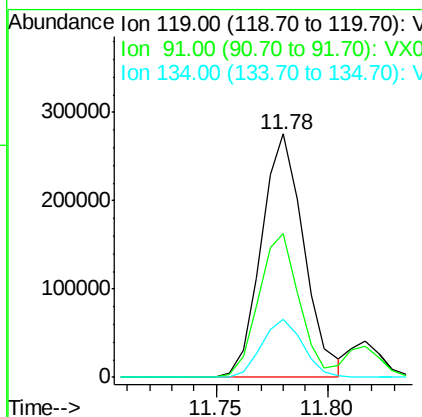
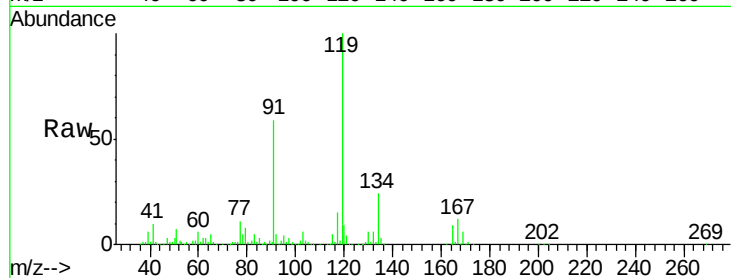
#83
 tert-Butylbenzene
 Concen: 49.42 ug/l
 RT: 11.78 min Scan# 1836
 Delta R.T. 0.00 min
 Lab File: VX000321.D
 Acq: 14 Mar 2018 18:32

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX031418

Tot Ion	Ratio	Resp	Lower	Upper
119	100	366310		
91	56.0	28.8	86.4	
134	23.0	11.4	34.1	

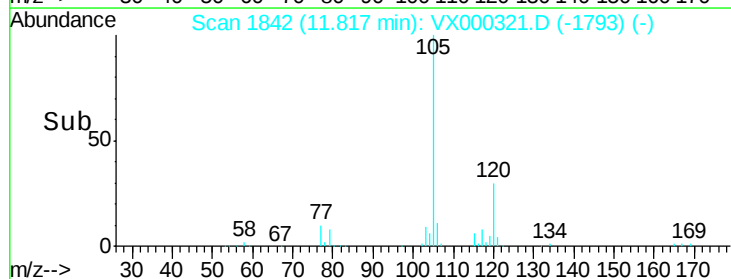
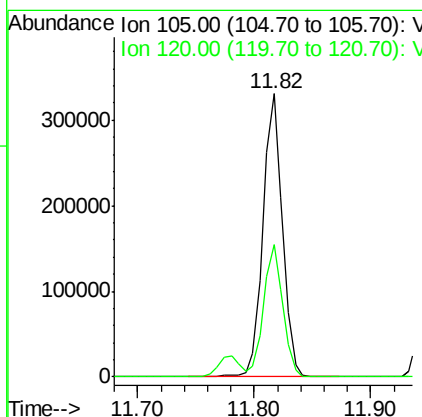
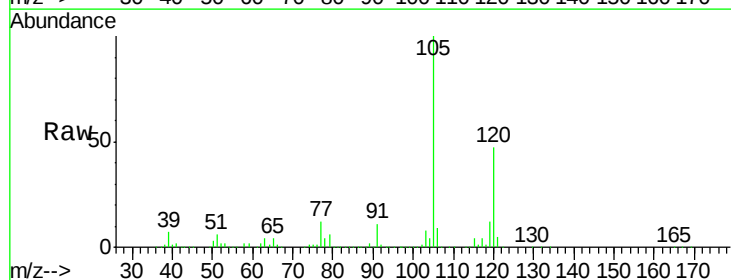
Manual Integrations
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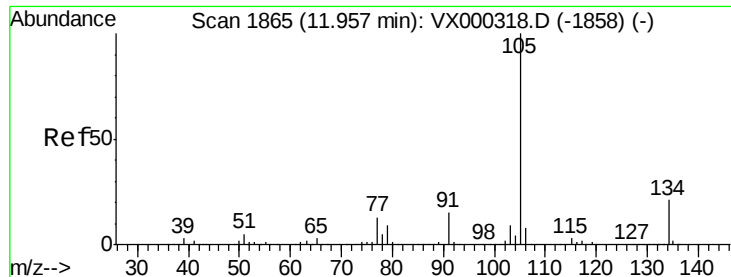
sam
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#84
 1,2,4-Trimethylbenzene
 Concen: 49.11 ug/l
 RT: 11.82 min Scan# 1842
 Delta R.T. 0.00 min
 Lab File: VX000321.D
 Acq: 14 Mar 2018 18:32

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	383610		
120	45.9	22.4	67.3	





#85

sec-Butylbenzene

Concen: 49.30 ug/l

RT: 11.96 min Scan# 1865

Delta R.T. 0.00 min

Lab File: VX000321.D

Acq: 14 Mar 2018 18:32

Instrument :

MSVOA_X

ClientSampleId :

ICVX031418

Tot Ion:105 Resp: 457414

Ion Ratio Lower Upper

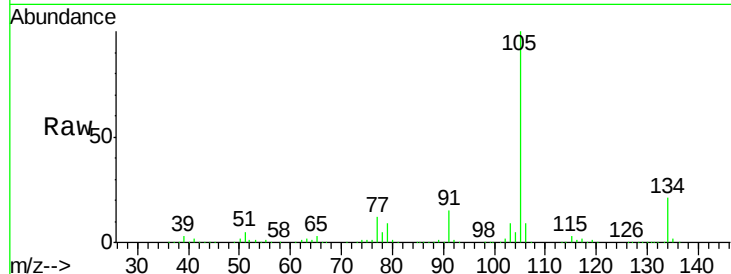
105 100

134 20.7 10.3 30.8

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

Ion 134.00 (133.70 to 134.70): V

11.96

400000

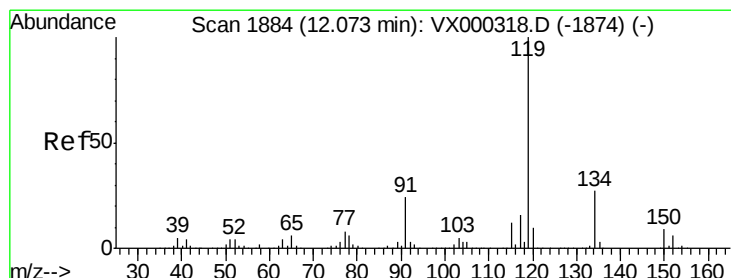
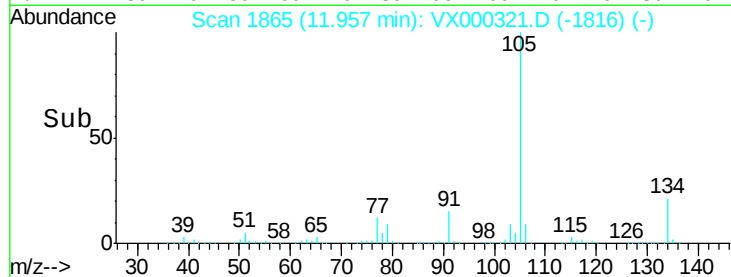
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 50.49 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VX000321.D

Acq: 14 Mar 2018 18:32

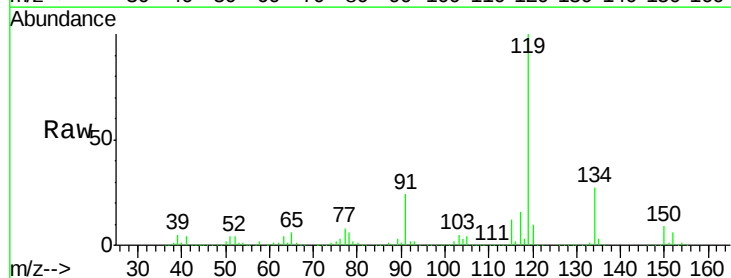
Tgt Ion:119 Resp: 416915

Ion Ratio Lower Upper

119 100

134 27.0 13.3 39.9

91 23.6 12.0 36.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

12.07

500000

400000

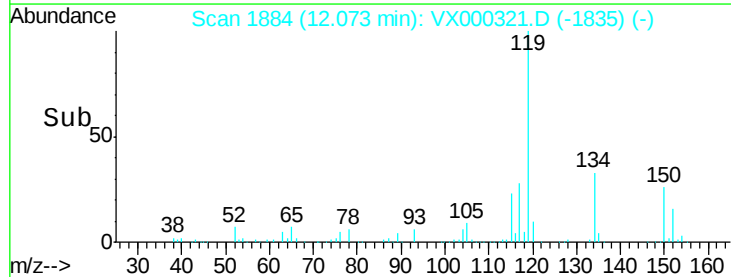
300000

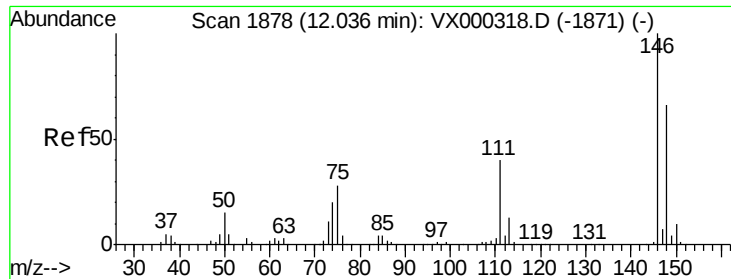
200000

100000

0

Time-->





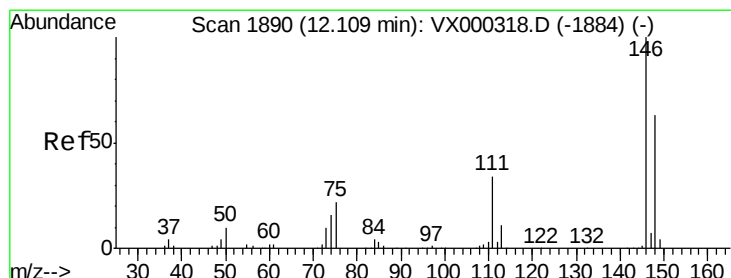
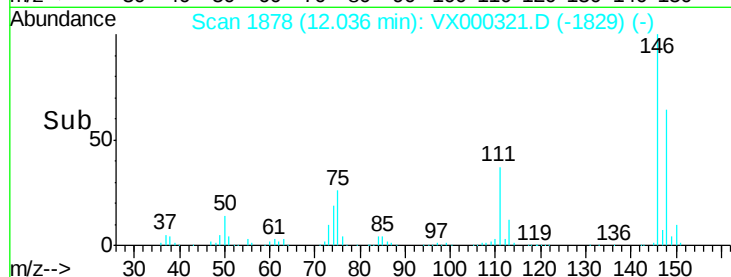
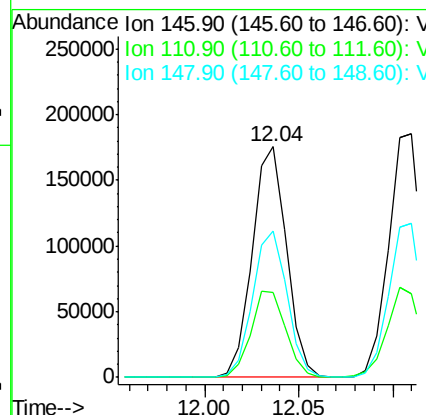
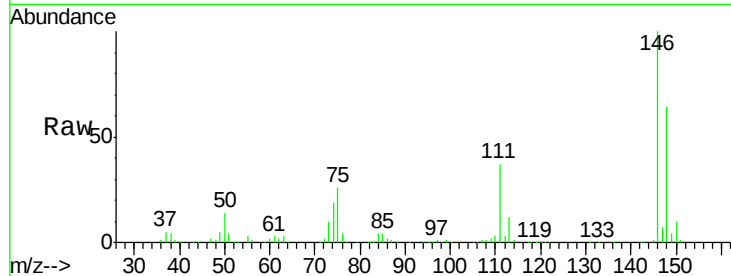
#87
 1,3-Dichlorobenzene
 Concen: 48.22 ug/l
 RT: 12.04 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VX000321.D
 Acq: 14 Mar 2018 18:32

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX031418

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.5	58.5
148	63.8	32.4	97.0

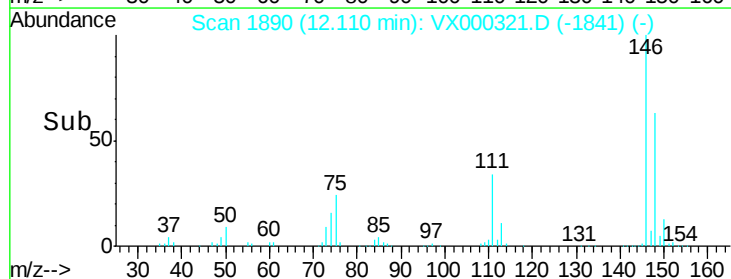
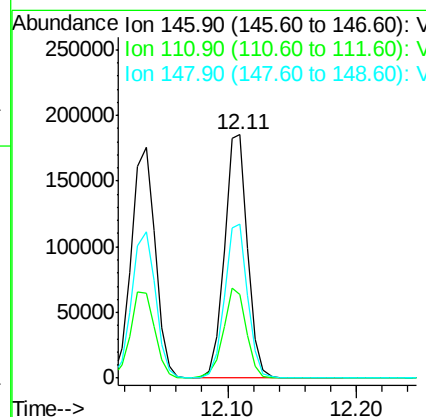
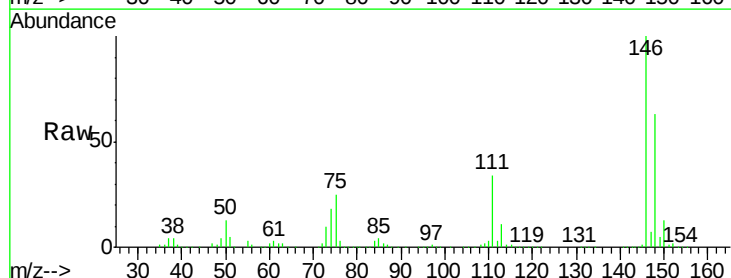
Manual Integrations
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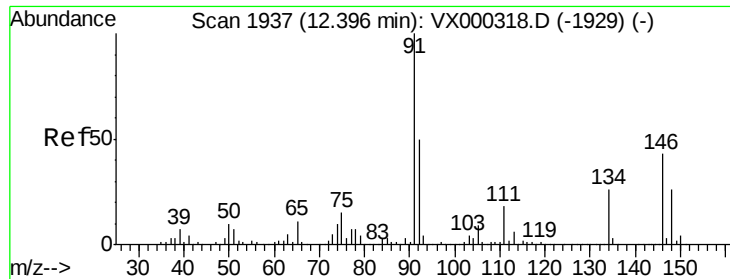
sam
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#88
 1,4-Dichlorobenzene
 Concen: 49.05 ug/l
 RT: 12.11 min Scan# 1890
 Delta R.T. 0.00 min
 Lab File: VX000321.D
 Acq: 14 Mar 2018 18:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.9	56.9
148	63.4	31.0	93.0





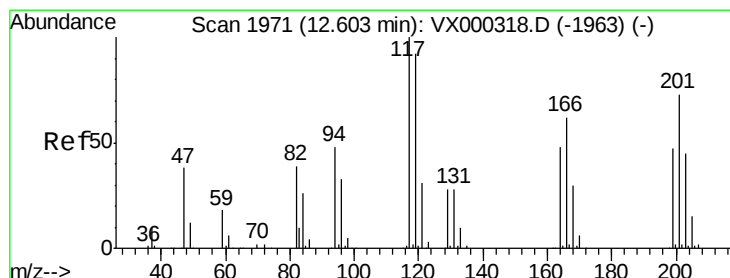
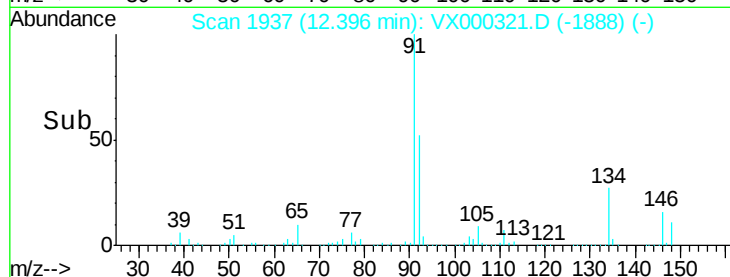
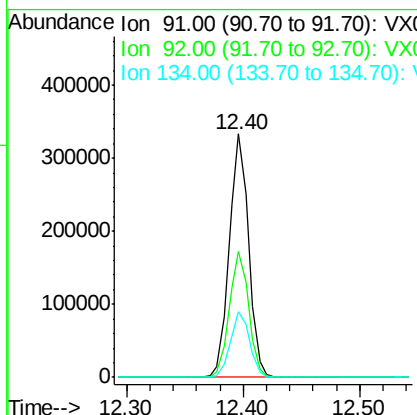
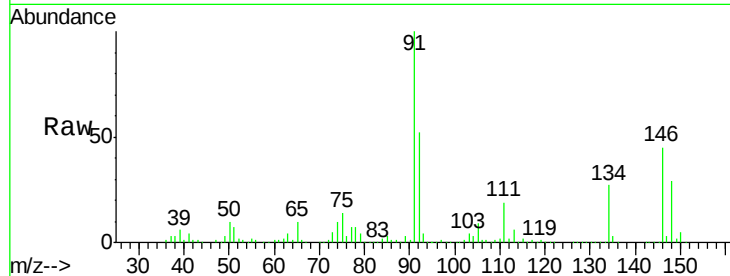
#89
n-Butylbenzene
Concen: 47.60 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VX000321.D
Acq: 14 Mar 2018 18:32

Instrument :
MSVOA_X
ClientSampled :
ICVX031418

Tot Ion	Ratio	Resp	Lower	Upper
91	100	382229		
92	52.0		25.9	77.8
134	26.9		13.1	39.3

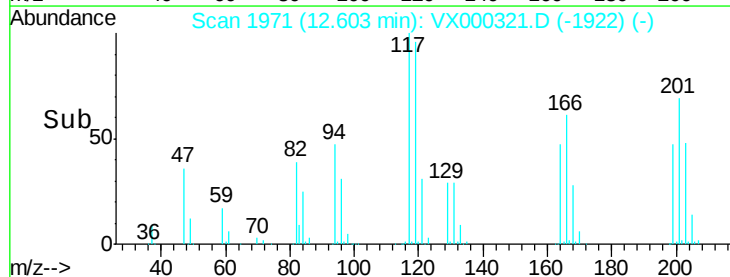
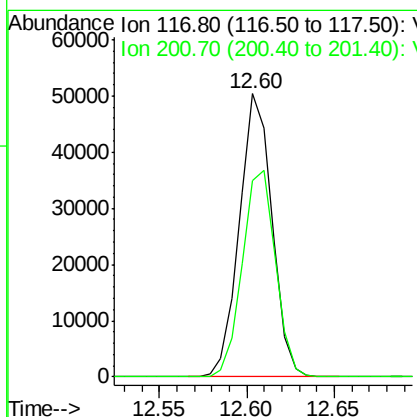
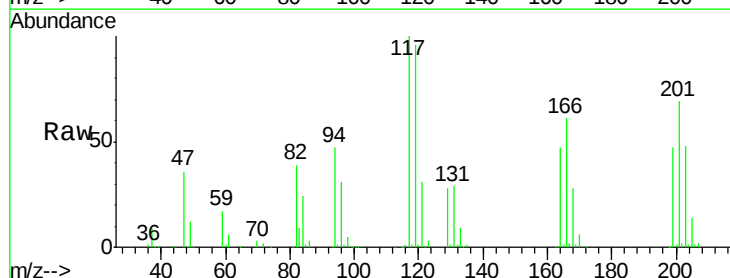
Manual Integrations
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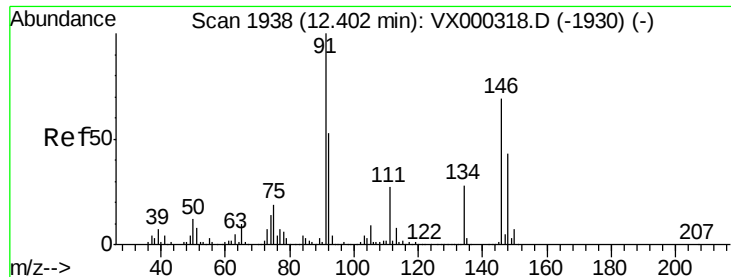
sam
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#90
Hexachloroethane
Concen: 49.22 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VX000321.D
Acq: 14 Mar 2018 18:32

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	65199		
201	74.5		37.9	113.6





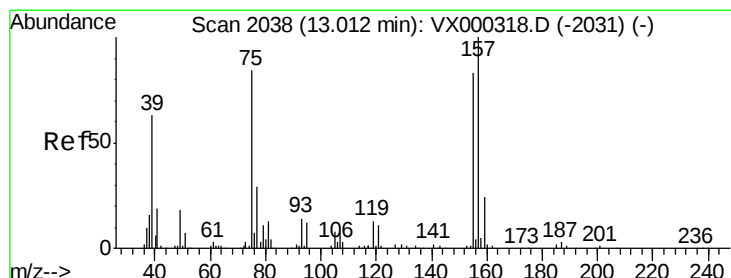
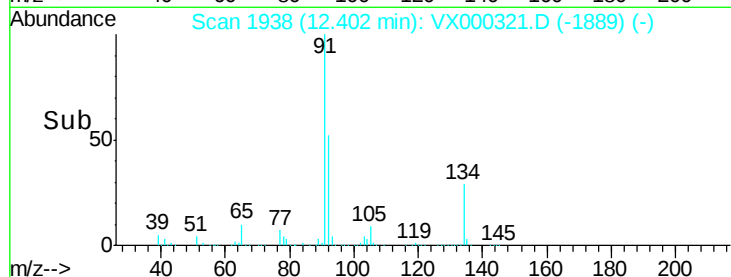
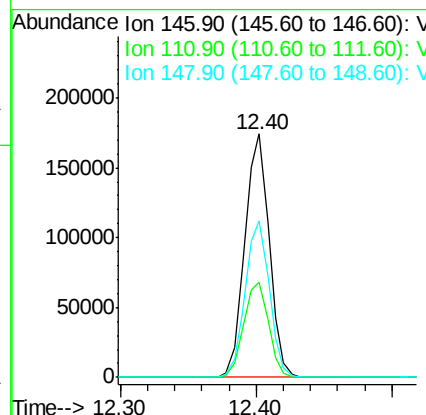
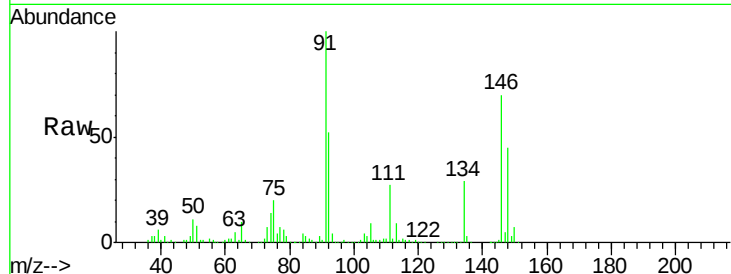
#91
1,2-Dichlorobenzene
Concen: 48.84 ug/l
RT: 12.40 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VX000321.D
Acq: 14 Mar 2018 18:32

Instrument :
MSVOA_X
ClientSampleId :
ICVVX031418

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.1	60.2
148	63.8	31.2	93.6

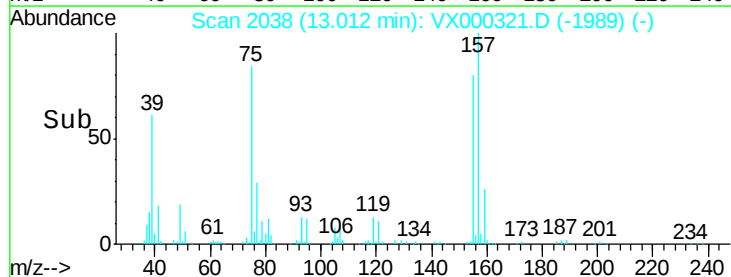
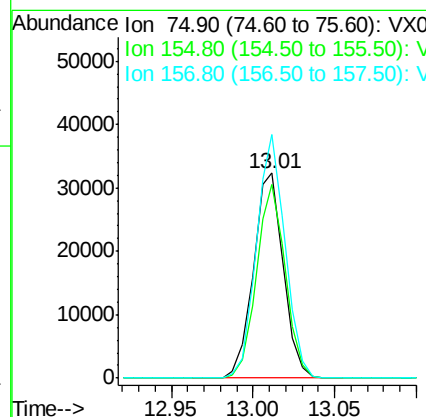
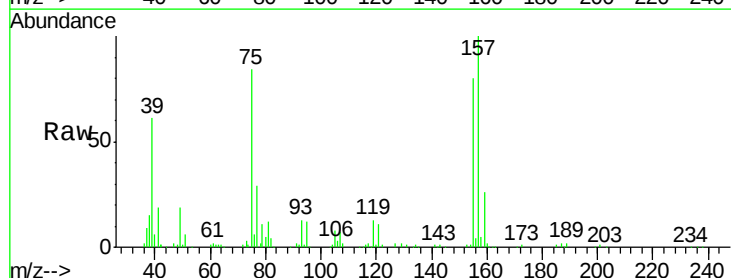
Manual Integrations
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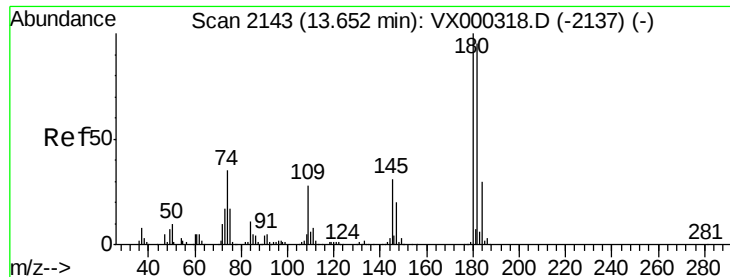
sam
3/15/2018 3:37:16 PM



#92
1,2-Dibromo-3-Chloropropane
Concen: 48.06 ug/l
RT: 13.01 min Scan# 2038
Delta R.T. 0.00 min
Lab File: VX000321.D
Acq: 14 Mar 2018 18:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.5	45.0	134.8
157	113.5	58.1	174.2





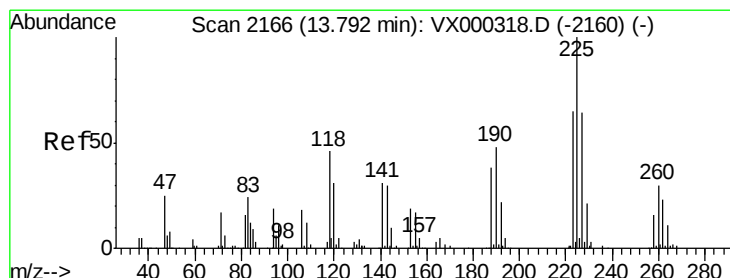
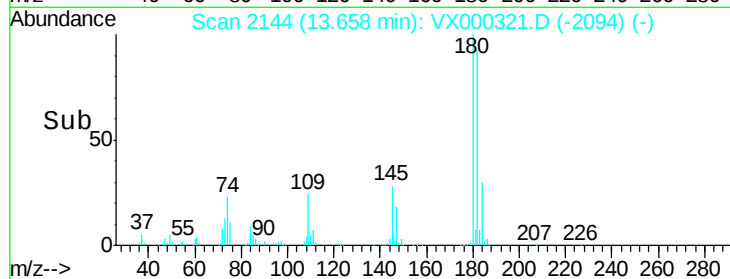
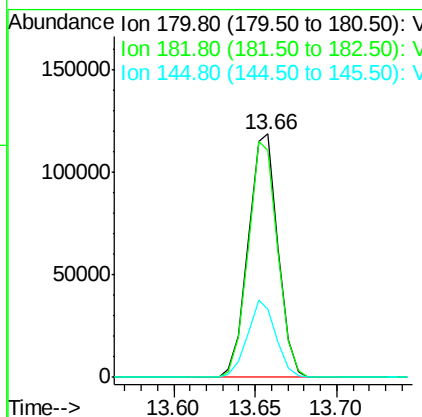
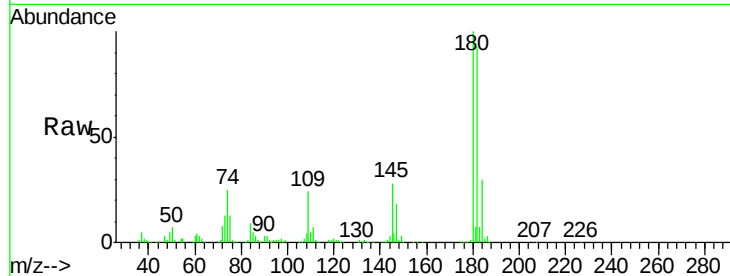
#93
 1,2,4-Trichlorobenzene
 Concen: 46.93 ug/l
 RT: 13.66 min Scan# 2144
 Delta R.T. 0.01 min
 Lab File: VX000321.D
 Acq: 14 Mar 2018 18:32

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX031418

Tot Ion	Ratio	Resp	Lower	Upper
180	100	150432		
182	96.3	47.6	142.9	
145	30.3	15.1	45.3	

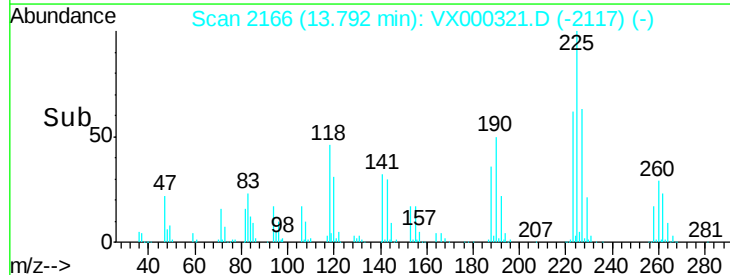
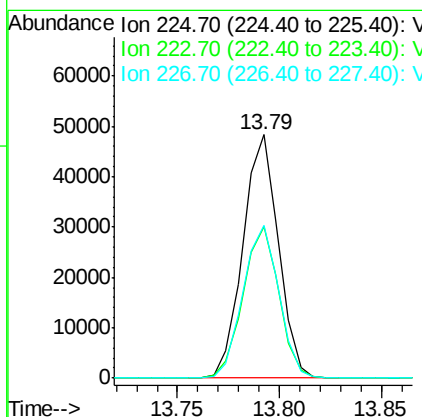
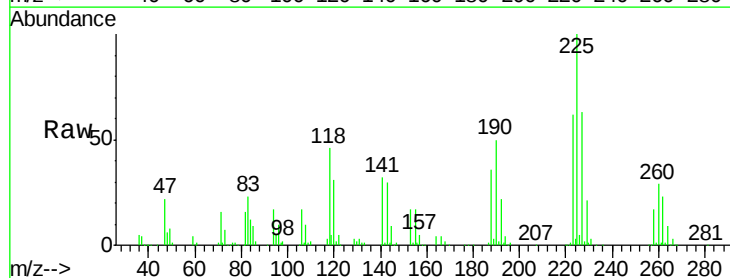
Manual Integrations
 APPROVED

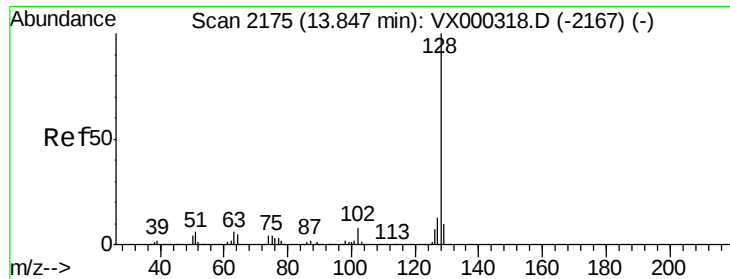
sam
 3/15/2018 3:37:16 PM



#94
 Hexachlorobutadiene
 Concen: 46.10 ug/l
 RT: 13.79 min Scan# 2166
 Delta R.T. 0.00 min
 Lab File: VX000321.D
 Acq: 14 Mar 2018 18:32

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	58284		
223	62.7	32.0	96.0	
227	63.5	32.6	98.0	





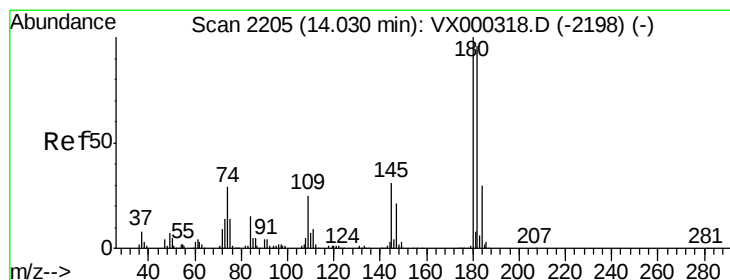
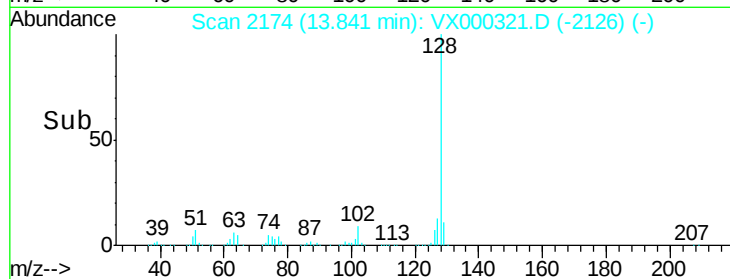
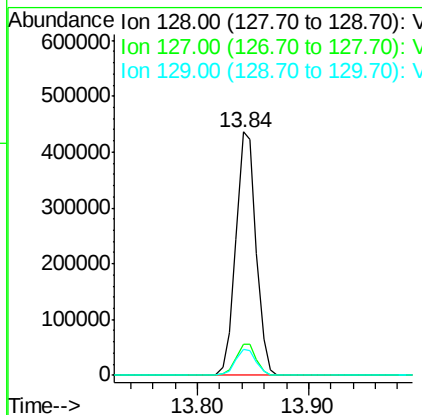
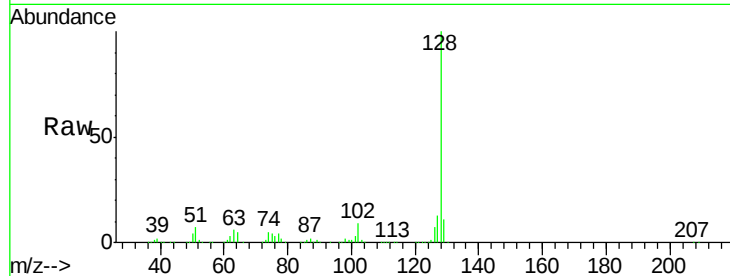
#95
Naphthalene
Concen: 49.12 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.01 min
Lab File: VX000321.D
Acq: 14 Mar 2018 18:32

Instrument :
MSVOA_X
ClientSampled :
ICVVX031418

Tot Ion	Ratio	Resp	Lower	Upper
128	100	546396		
127	13.0		10.6	15.8
129	10.7		8.9	13.3

Manual Integrations
APPROVED

sam
3/15/2018 3:37:16 PM



#96
1,2,3-Trichlorobenzene
Concen: 46.58 ug/l
RT: 14.03 min Scan# 2205
Delta R.T. 0.00 min
Lab File: VX000321.D
Acq: 14 Mar 2018 18:32

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	150817		
182	91.2		47.4	142.3
145	31.3		15.8	47.3

