

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX022818\
 Data File : VX000163.D
 Acq On : 28 Feb 2018 12:53
 Operator : JC/MD
 Sample : VX0228WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0228WBSD01

Manual Integrations
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 3/1/2018 12:52:59 PM

Quant Time: Mar 01 06:46:47 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X021418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 15 12:46:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	128581	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	219305	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	216170	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	120861	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	95683	59.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.18%	
35) Dibromofluoromethane	5.51	113	75198	54.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.66%	
50) Toluene-d8	8.73	98	293623	53.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.56%	
62) 4-Bromofluorobenzene	11.15	95	115472	53.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	24446	18.46	ug/l	98
3) Chloromethane	1.32	50	23312	17.95	ug/l	100
4) Vinyl Chloride	1.41	62	29229	20.21	ug/l	92
5) Bromomethane	1.64	94	25621	20.99	ug/l	97
6) Chloroethane	1.73	64	20569	21.17	ug/l	93
7) Trichlorofluoromethane	1.93	101	54500	21.07	ug/l	95
8) Diethyl Ether	2.20	74	19532	21.88	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	29585	20.46	ug/l	98
10) Methyl Iodide	2.51	142	22450	14.18	ug/l	97
11) Tert butyl alcohol	3.08	59	71932	116.25	ug/l	100
12) 1,1-Dichloroethene	2.38	96	27015	20.06	ug/l	94
13) Acrolein	2.30	56	8500	28.76	ug/l	100
14) Allyl chloride	2.73	41	50315	22.32	ug/l	97
15) Acrylonitrile	3.15	53	121723	115.19	ug/l	99
16) Acetone	2.45	43	145788	139.99	ug/l	99
17) Carbon Disulfide	2.57	76	61396	15.49	ug/l	98
18) Methyl Acetate	2.79	43	64111	26.25	ug/l	96
19) Methyl tert-butyl Ether	3.21	73	105199	22.76	ug/l	99
20) Methylene Chloride	2.87	84	31341	22.73	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	29018	19.88	ug/l	82
22) Diisopropyl ether	3.89	45	79657	20.22	ug/l	99
23) Vinyl Acetate	3.84	43	367531	100.41	ug/l	98
24) 1,1-Dichloroethane	3.70	63	54497	23.35	ug/l	98
25) 2-Butanone	4.72	43	171334	117.85	ug/l	93
26) 2,2-Dichloropropane	4.60	77	41638	20.53	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	29452	21.18	ug/l	99
28) Bromochloromethane	5.03	49	24568	23.48	ug/l	95
29) Tetrahydrofuran	5.18	42	104256	110.12	ug/l	97
30) Chloroform	5.23	83	54004	21.99	ug/l	100
31) Cyclohexane	5.59	56	37723	18.80	ug/l	97
32) 1,1,1-Trichloroethane	5.51	97	46262	20.47	ug/l	97
36) 1,1-Dichloropropene	5.81	75	37894	19.26	ug/l	95
37) Ethyl Acetate	4.87	43	54652	20.21	ug/l	98
38) Carbon Tetrachloride	5.79	117	39481	18.57	ug/l	95

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Quant Time: Mar 01 06:46:47 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X021418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 15 12:46:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	43077	18.18	ug/l	97
40) Benzene	6.15	78	110359	19.63	ug/l	98
41) Methacrylonitrile	5.07	41	28479	21.65	ug/l	97
42) 1,2-Dichloroethane	6.21	62	44157	21.40	ug/l	98
43) Isopropyl Acetate	6.48	43	83959	21.53	ug/l	97
44) Trichloroethene	7.22	130	31276	18.89	ug/l	93
45) 1,2-Dichloropropane	7.52	63	28689	20.82	ug/l	95
46) Dibromomethane	7.68	93	22237	20.68	ug/l	96
47) Bromodichloromethane	7.91	83	41076	20.68	ug/l	96
48) Methyl methacrylate	7.79	41	40240	21.05	ug/l	96
49) 1,4-Dioxane	7.76	88	20106	401.20	ug/l	94
51) 4-Methyl-2-Pentanone	8.66	43	316425	111.02	ug/l	95
52) Toluene	8.79	92	74402	19.81	ug/l	97
53) t-1,3-Dichloropropene	8.45	75	47516	20.34	ug/l	96
54) cis-1,3-Dichloropropene	9.05	75	46712	20.14	ug/l	94
55) 1,1,2-Trichloroethane	9.23	97	33179	21.36	ug/l	94
56) Ethyl methacrylate	9.19	69	49929	20.94	ug/l	94
57) 1,3-Dichloropropane	9.38	76	53751	21.79	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	126155	104.70	ug/l	96
59) 2-Hexanone	9.51	43	271143	112.36	ug/l	97
60) Dibromochloromethane	9.59	129	33935	19.29	ug/l	97
61) 1,2-Dibromoethane	9.68	107	35993	20.88	ug/l	96
64) Tetrachloroethene	9.34	164	27435	17.43	ug/l	98
65) Chlorobenzene	10.15	112	91139	19.97	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	31672	19.83	ug/l	98
67) Ethyl Benzene	10.26	91	154721	20.20	ug/l	100
68) m/p-Xylenes	10.37	106	119241	39.31	ug/l	98
69) o-Xylene	10.71	106	58480	19.99	ug/l	95
70) Styrene	10.72	104	96412	20.15	ug/l	98
71) Bromoform	10.87	173	25693	17.72	ug/l #	100
73) Isopropylbenzene	11.02	105	160120	20.90	ug/l	97
74) N-amyl acetate	6.48	43	83959	21.70	ug/l #	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	58027	21.75	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	53707m	21.45	ug/l	
77) Bromobenzene	11.26	156	39676	19.11	ug/l	89
78) n-propylbenzene	11.37	91	186171	20.62	ug/l	98
79) 2-Chlorotoluene	11.43	91	108113	20.92	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	134015	20.69	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.09	75	16594	18.88	ug/l	88
82) 4-Chlorotoluene	11.52	91	130812	20.93	ug/l	95
83) tert-Butylbenzene	11.78	119	135750	20.76	ug/l	98
84) 1,2,4-Trimethylbenzene	11.82	105	137840	20.50	ug/l	99
85) sec-Butylbenzene	11.96	105	170865	21.04	ug/l	98
86) p-Isopropyltoluene	12.07	119	148635	20.48	ug/l	97
87) 1,3-Dichlorobenzene	12.04	146	77918	19.56	ug/l	99
88) 1,4-Dichlorobenzene	12.11	146	81008	19.69	ug/l	98
89) n-Butylbenzene	12.40	91	142304	20.80	ug/l	97
90) Hexachloroethane	12.60	117	24005	20.32	ug/l	89
91) 1,2-Dichlorobenzene	12.40	146	78219	19.96	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.01	75	17227	23.27	ug/l	84

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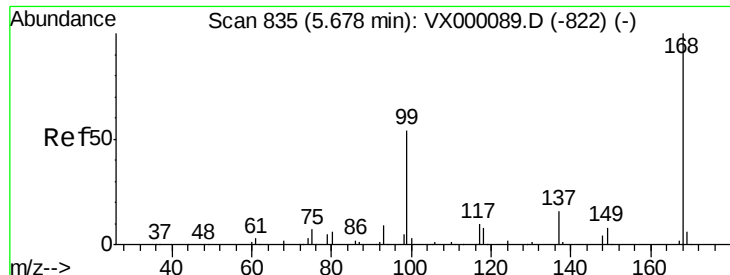
Manual Integrations
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Quant Time: Mar 01 06:46:47 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X021418W.M
Quant Title : SW846 8260
QLast Update : Thu Feb 15 12:46:41 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	55252	18.79	ug/l	98
94) Hexachlorobutadiene	13.79	225	22573	17.59	ug/l	98
95) Naphthalene	13.84	128	206153	20.67	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	56548	19.48	ug/l	96

(#) = 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: VX000163.D

Acq: 28 Feb 2018 12:53

Instrument :

MSVOA_X

ClientSampleId :

VX0228WBSD01

Tot Ion:168 Resp: 128581

Ion Ratio Lower Upper

168 100

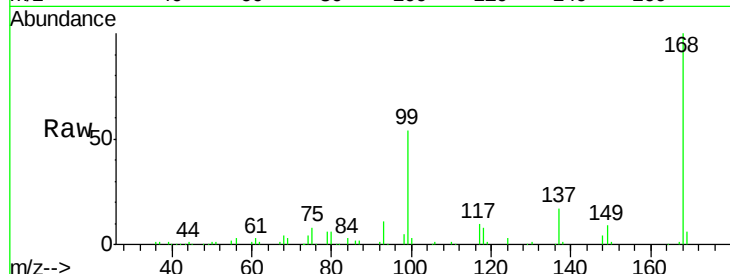
99 54.4 43.1 64.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.68

40000

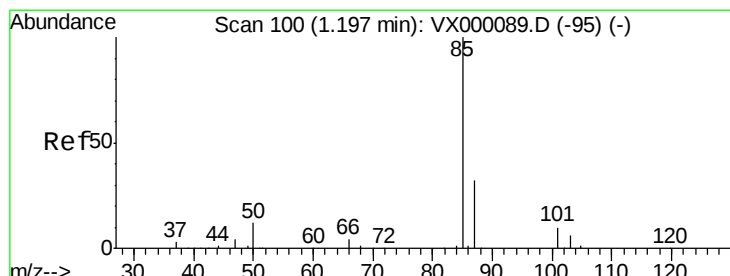
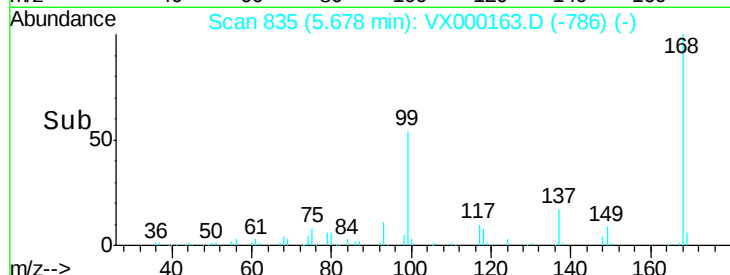
30000

20000

10000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.46 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX000163.D

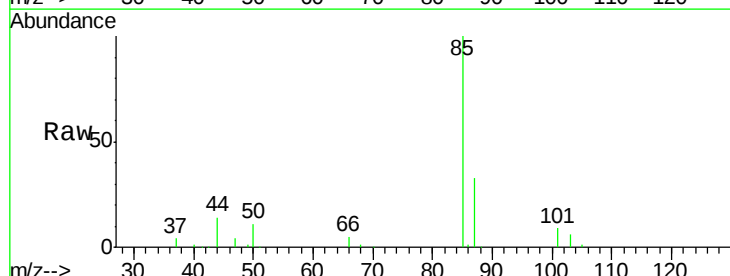
Acq: 28 Feb 2018 12:53

Tgt Ion: 85 Resp: 24446

Ion Ratio Lower Upper

85 100

87 32.9 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

25000

20000

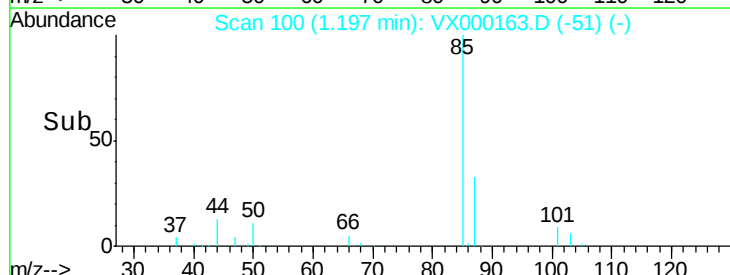
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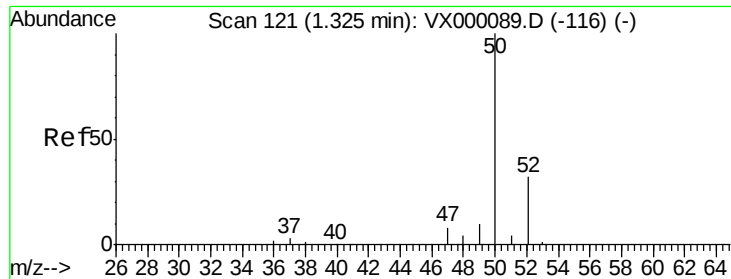
10000

5000

0

Time-->





#3

Chloromethane

Concen: 17.95 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX000163.D

Acq: 28 Feb 2018 12:53

Instrument :

MSVOA_X

ClientSampleId :

VX0228WBSD01

Tot Ion: 50 Resp: 23312

Ion Ratio Lower Upper

50 100

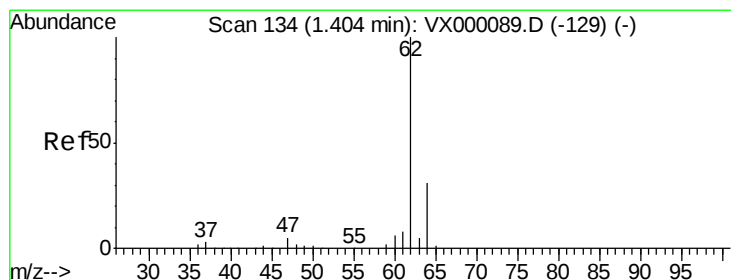
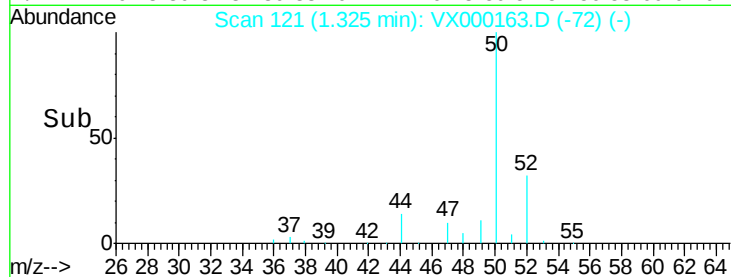
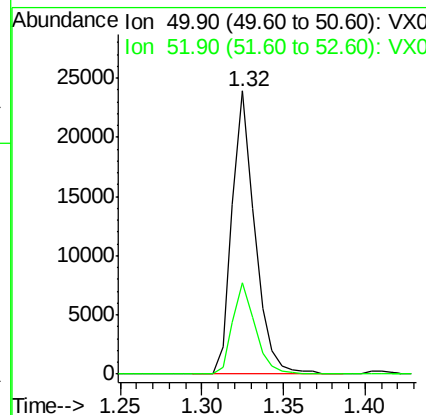
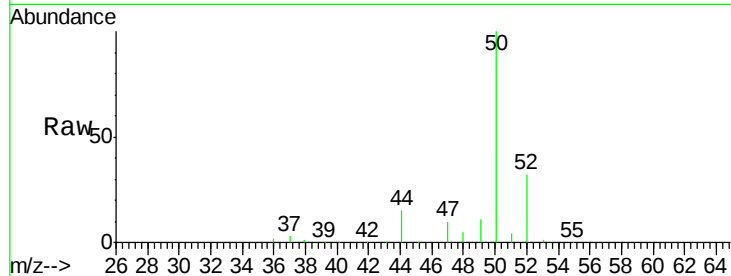
52 32.4 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.21 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX000163.D

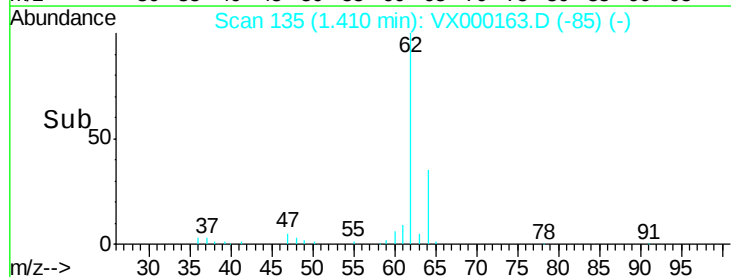
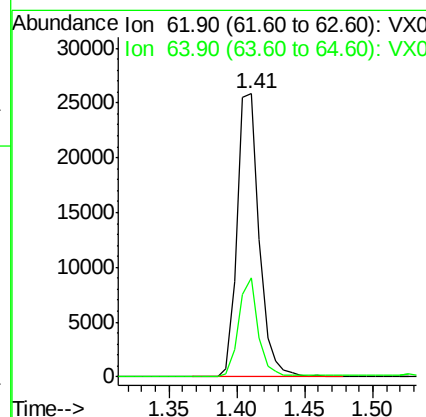
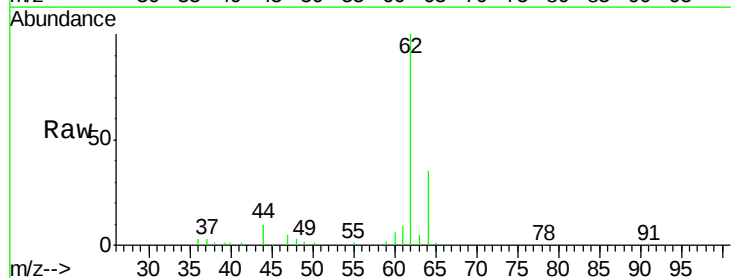
Acq: 28 Feb 2018 12:53

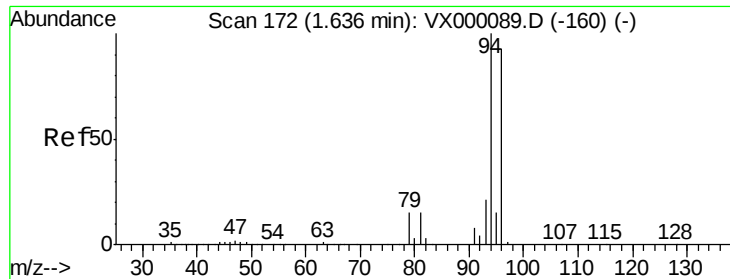
Tgt Ion: 62 Resp: 29229

Ion Ratio Lower Upper

62 100

64 34.9 24.6 37.0





#5

Bromomethane

Concen: 20.99 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX000163.D

Acq: 28 Feb 2018 12:53

Instrument :

MSVOA_X

ClientSampleId :

VX0228WBSD01

Tot Ion: 94 Resp: 25621

Ion Ratio Lower Upper

94 100

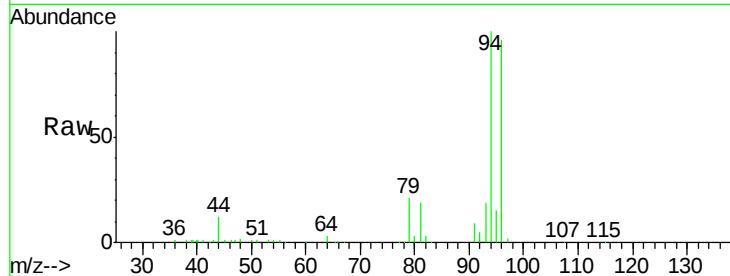
96 96.0 74.6 112.0

Manual Integrations

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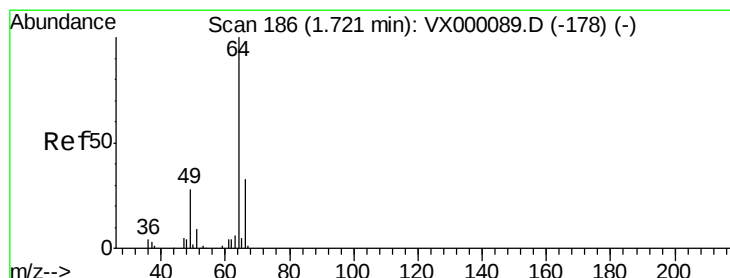
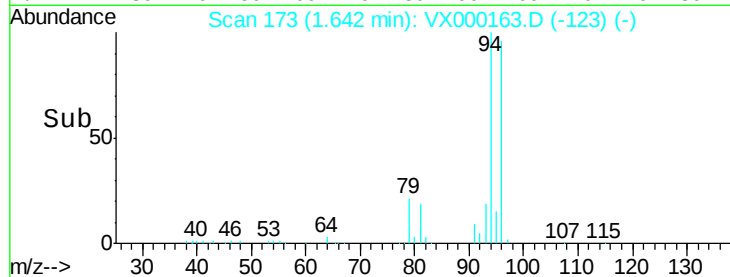
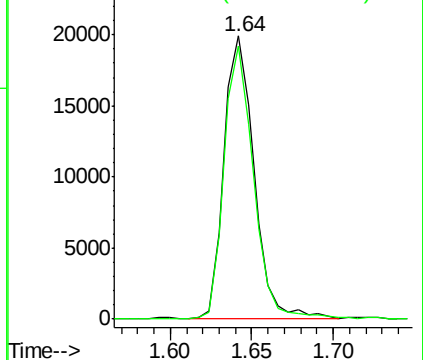
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 21.17 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX000163.D

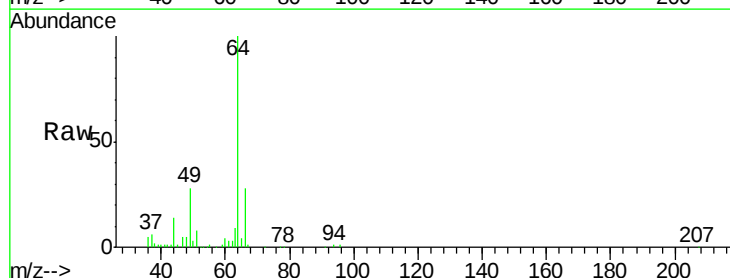
Acq: 28 Feb 2018 12:53

Tgt Ion: 64 Resp: 20569

Ion Ratio Lower Upper

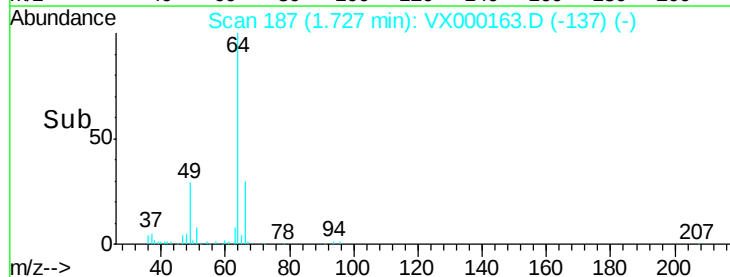
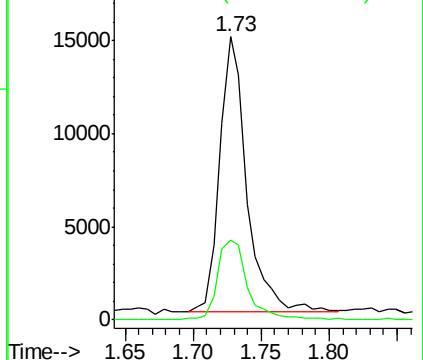
64 100

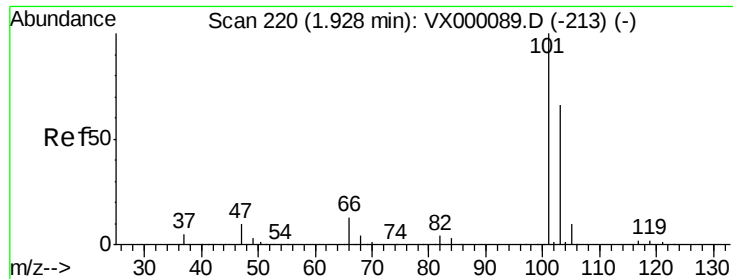
66 28.4 26.0 39.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

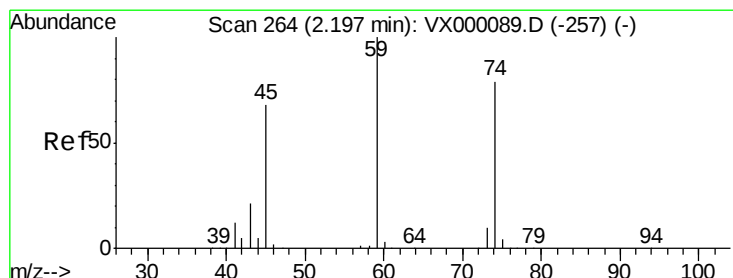
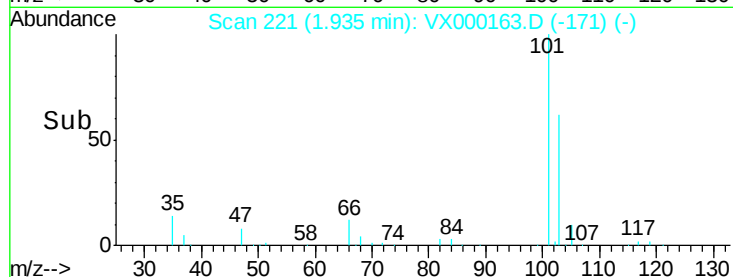
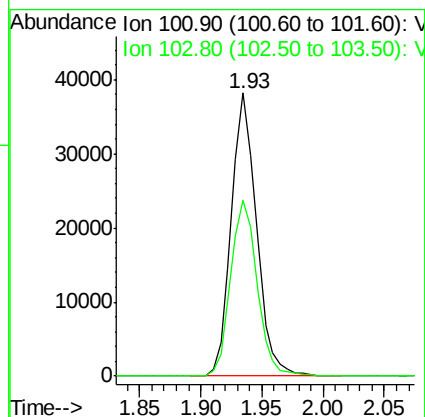
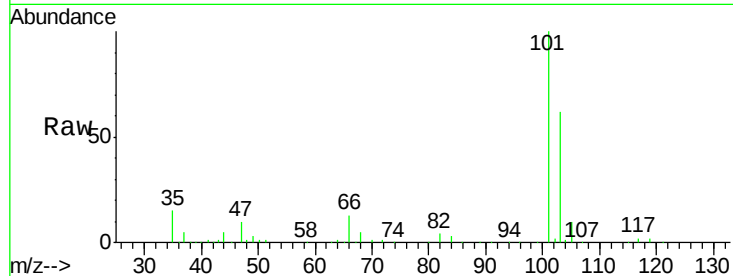
Trichlorofluoromethane
 Concen: 21.07 ug/l
 RT: 1.93 min Scan# 221
 Delta R.T. 0.01 min
 Lab File: VX000163.D
 Acq: 28 Feb 2018 12:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0228WBSD01

Tot Ion:101 Resp: 54500
 Ion Ratio Lower Upper
 101 100
 103 62.3 52.7 79.1

Manual Integrations
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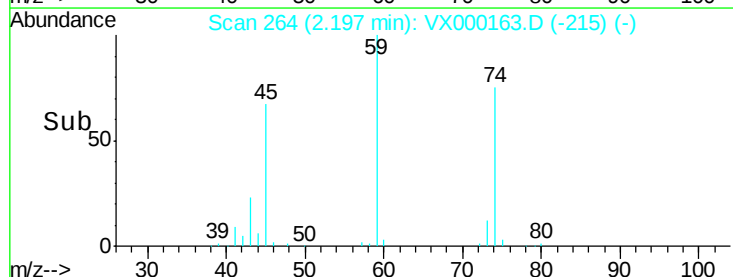
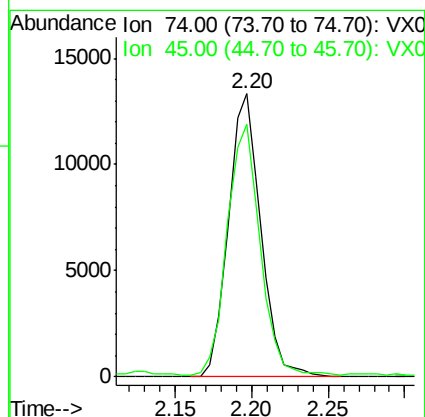
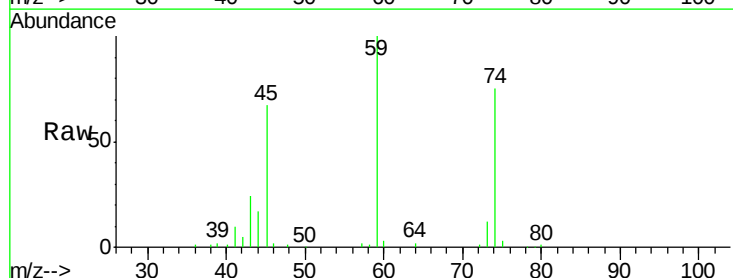
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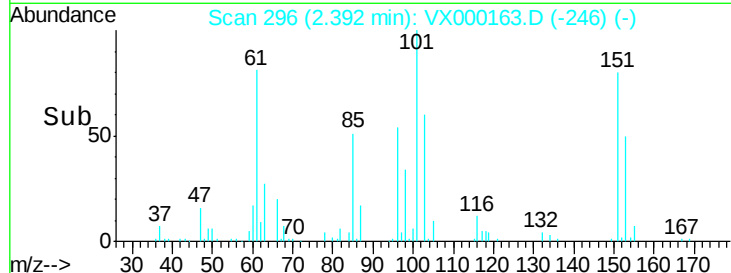
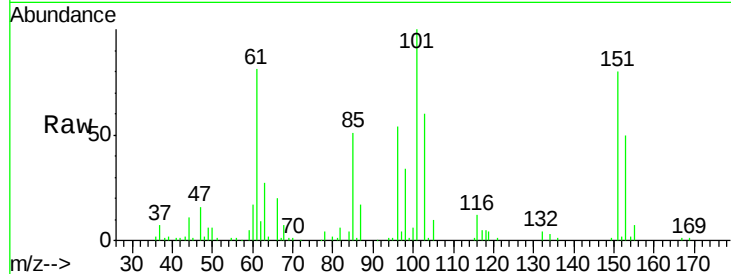
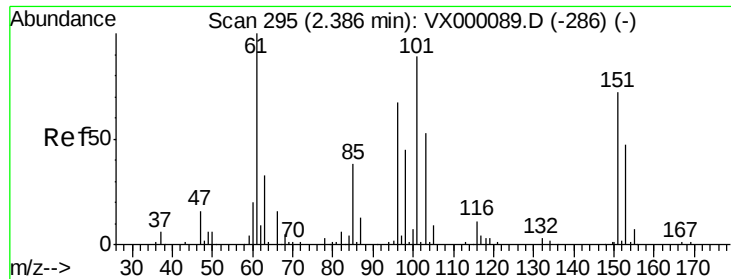


#8

Diethyl Ether
 Concen: 21.88 ug/l
 RT: 2.20 min Scan# 264
 Delta R.T. -0.00 min
 Lab File: VX000163.D
 Acq: 28 Feb 2018 12:53

Tgt Ion: 74 Resp: 19532
 Ion Ratio Lower Upper
 74 100
 45 90.0 44.7 134.1





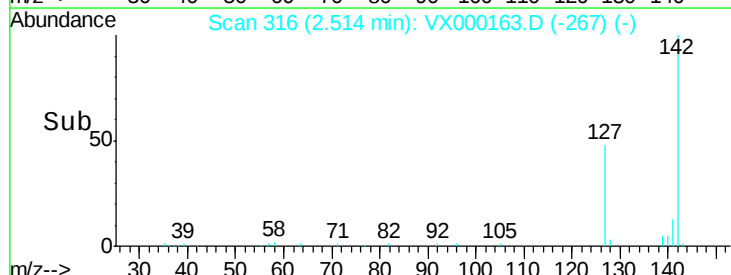
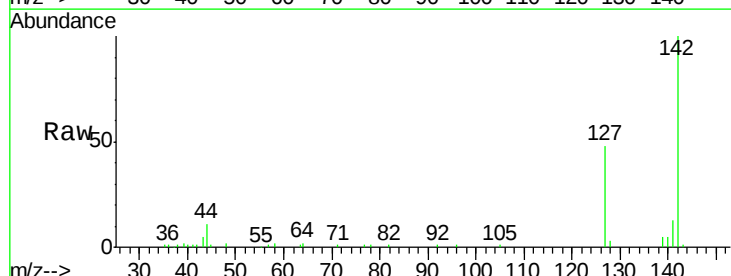
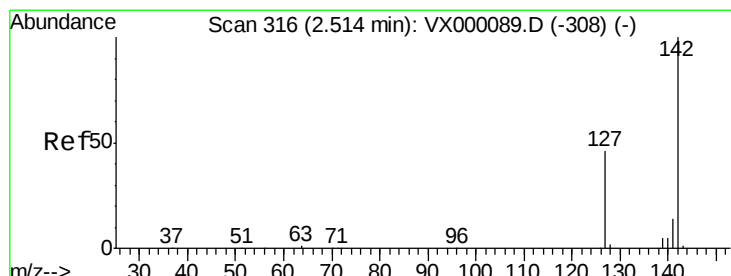
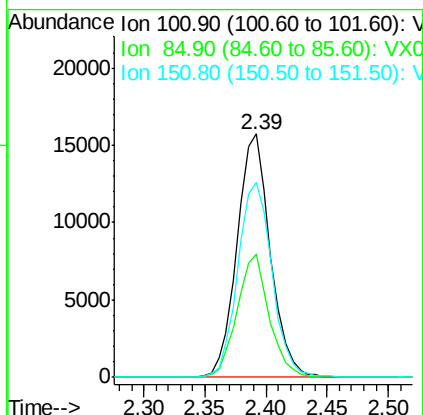
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.46 ug/l
RT: 2.39 min Scan# 296
Delta R.T. 0.01 min
Lab File: VX000163.D
Acq: 28 Feb 2018 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	29585		
85	48.8	36.7	55.1	
151	83.0	65.8	98.6	

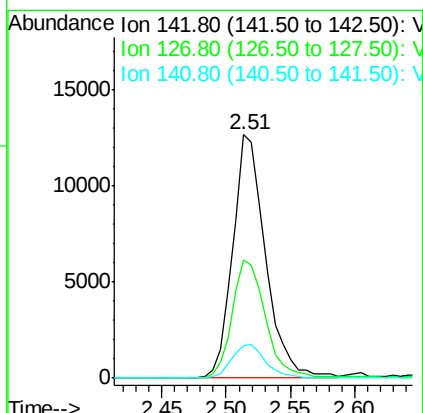
Manual Integrations
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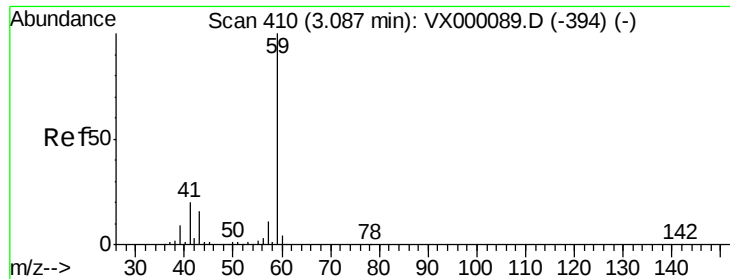
apatel
3/1/2018 12:52:59 PM



#10
Methyl Iodide
Concen: 14.18 ug/l
RT: 2.51 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX000163.D
Acq: 28 Feb 2018 12:53

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	22450		
127	48.7	36.8	55.2	
141	14.2	11.6	17.4	





#11

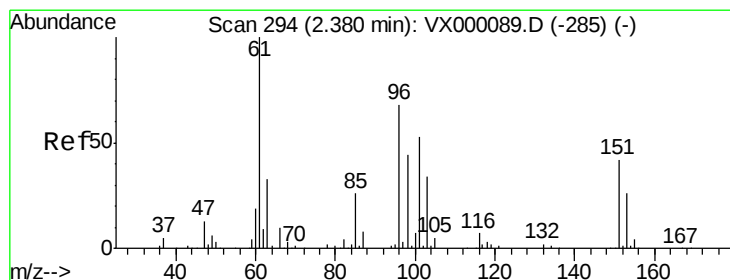
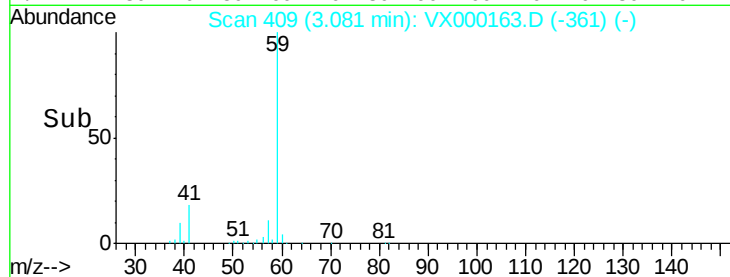
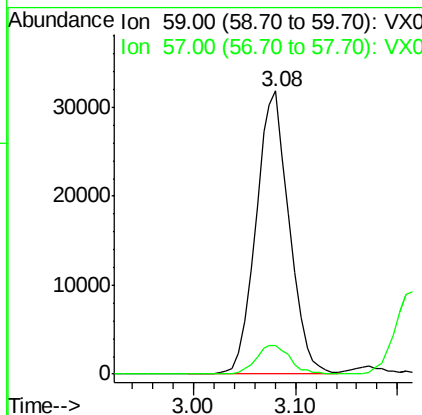
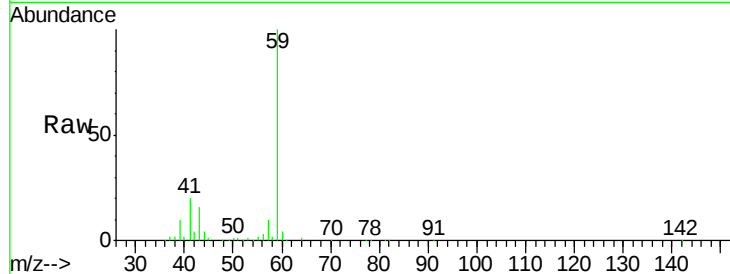
Tert butyl alcohol
Concen: 116.25 ug/l
RT: 3.08 min Scan# 409
Delta R.T. -0.01 min
Lab File: VX000163.D
Acq: 28 Feb 2018 12:53

Instrument :
MSVOA_X
ClientSampled :
VX0228WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.3	12.5

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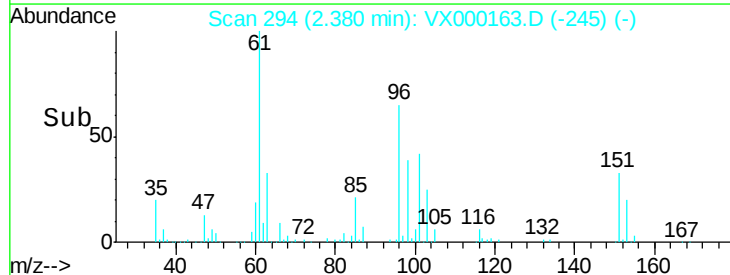
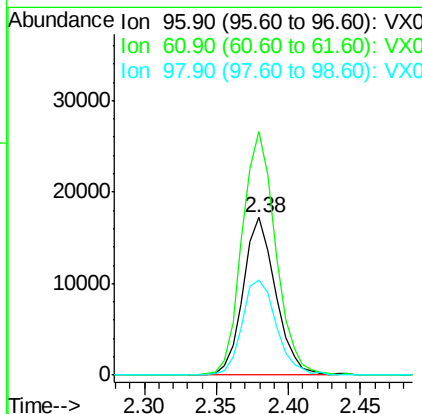
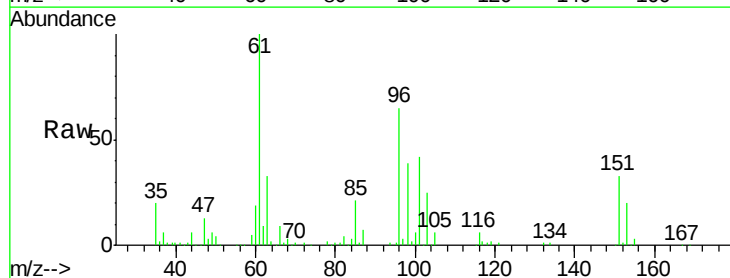
apatel
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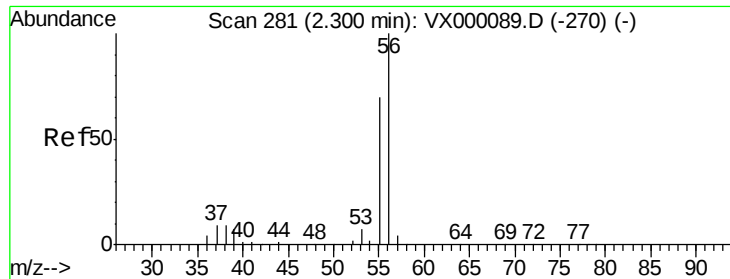


#12

1,1-Dichloroethene
Concen: 20.06 ug/l
RT: 2.38 min Scan# 294
Delta R.T. -0.00 min
Lab File: VX000163.D
Acq: 28 Feb 2018 12:53

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.6	117.7	176.5
98	60.5	51.3	76.9





#13

Acrolein

Concen: 28.76 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX000163.D

Acq: 28 Feb 2018 12:53

Instrument :

MSVOA_X

ClientSampleId :

VX0228WBSD01

Tot Ion: 56 Resp: 8500

Ion Ratio Lower Upper

56 100

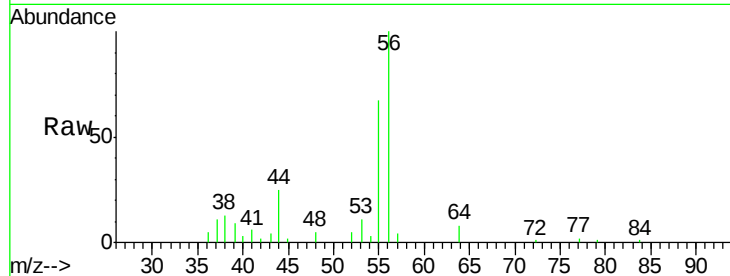
55 70.6 56.2 84.4

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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

6000

5000

4000

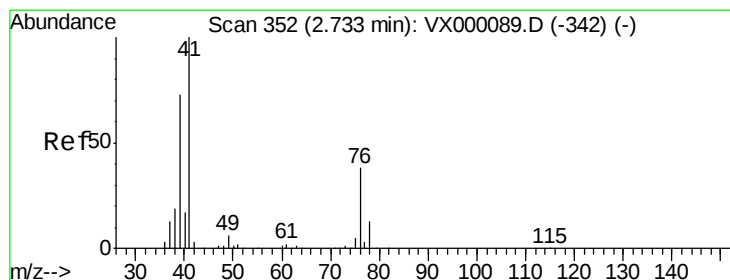
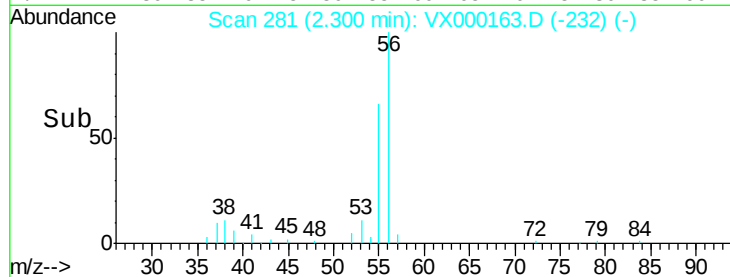
3000

2000

1000

0

Time-->



#14

Allyl chloride

Concen: 22.32 ug/l

RT: 2.73 min Scan# 352

Delta R.T. -0.00 min

Lab File: VX000163.D

Acq: 28 Feb 2018 12:53

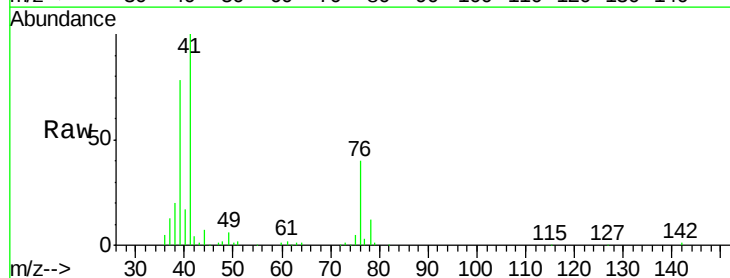
Tgt Ion: 41 Resp: 50315

Ion Ratio Lower Upper

41 100

39 70.6 55.1 82.7

76 33.4 28.5 42.7



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

40000

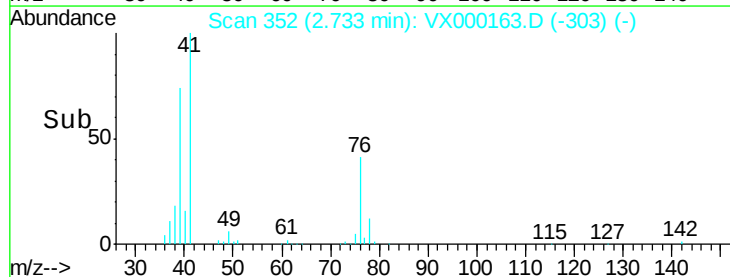
30000

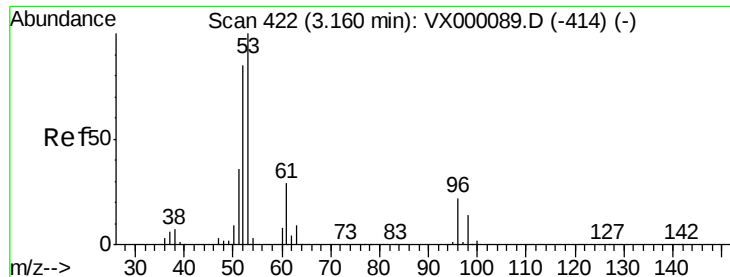
20000

10000

0

Time-->





#15

Acrylonitrile

Concen: 115.19 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.01 min

Lab File: VX000163.D

Acq: 28 Feb 2018 12:53

Instrument :

MSVOA_X

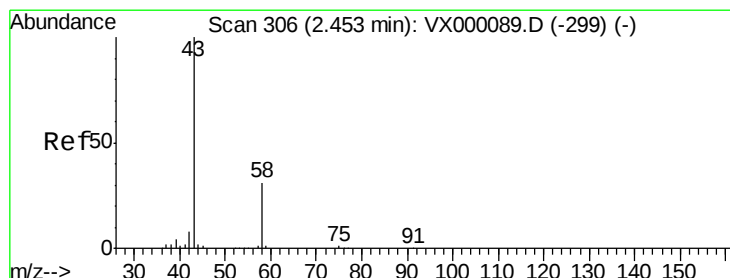
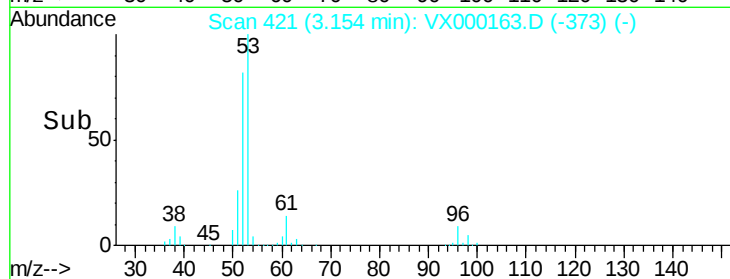
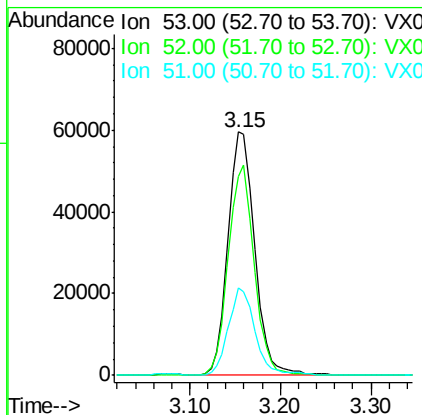
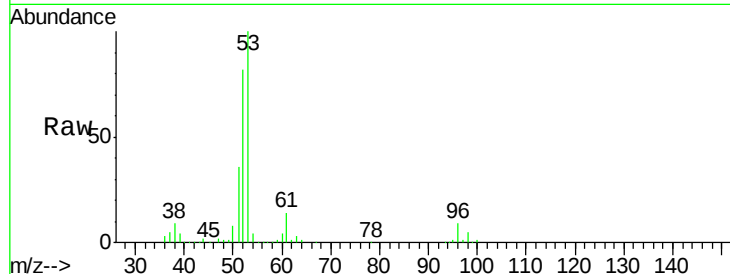
ClientSampled :

VX0228WBSD01

Tot Ion:	53	Resp:	121723
Ion Ratio	Lower	Upper	
53	100		
52	84.3	66.5	99.7
51	35.8	29.0	43.6

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#16

Acetone

Concen: 139.99 ug/l

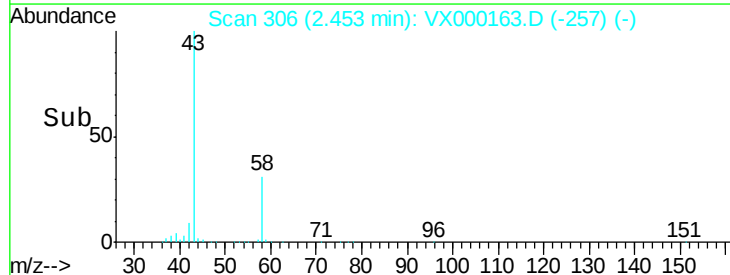
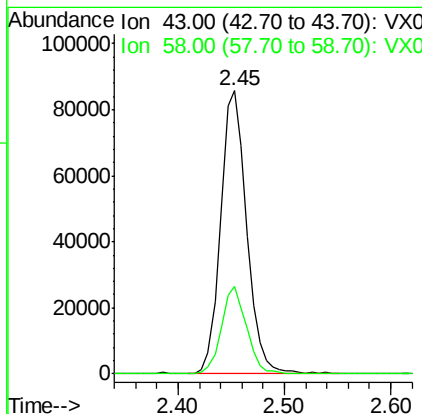
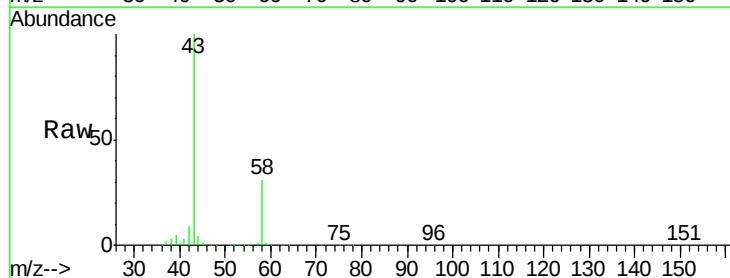
RT: 2.45 min Scan# 306

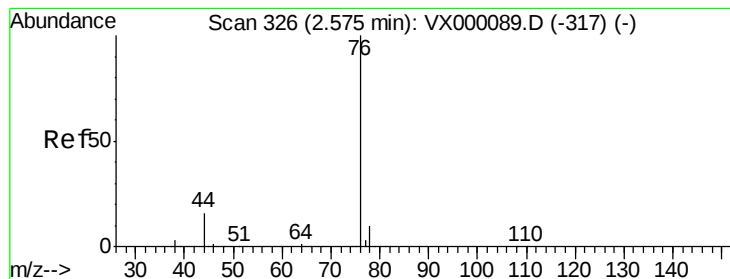
Delta R.T. -0.00 min

Lab File: VX000163.D

Acq: 28 Feb 2018 12:53

Tgt Ion:	43	Resp:	145788
Ion Ratio	Lower	Upper	
43	100		
58	30.8	25.0	37.4





#17

Carbon Disulfide

Concen: 15.49 ug/l

RT: 2.57 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX000163.D

Acq: 28 Feb 2018 12:53

Instrument :

MSVOA_X

ClientSampleId :

VX0228WBSD01

Tot Ion: 76 Resp: 61396

Ion Ratio Lower Upper

76 100

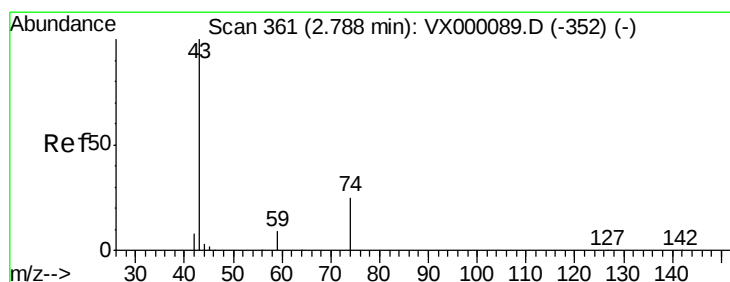
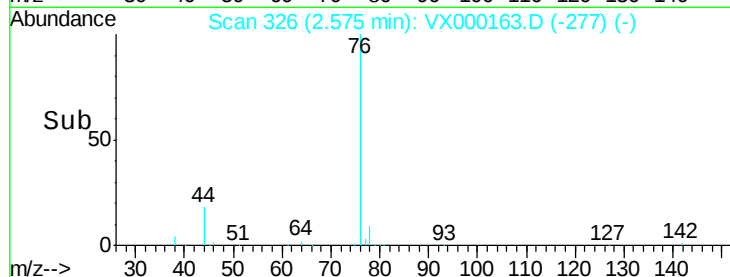
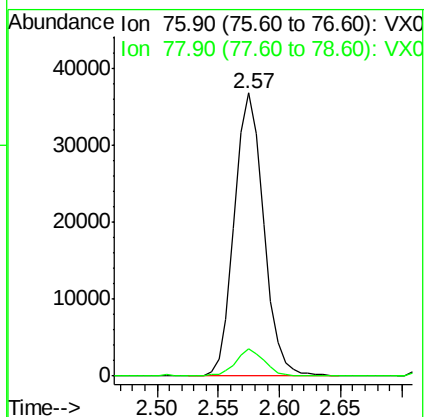
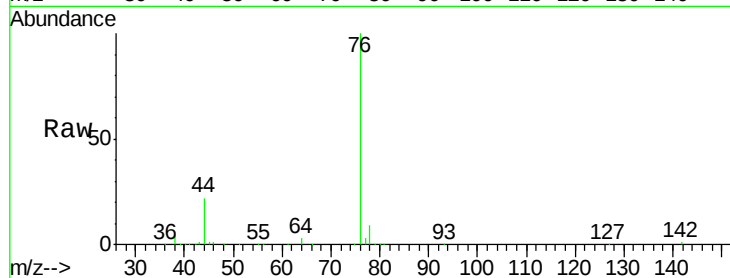
78 9.2 7.8 11.8

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#18

Methyl Acetate

Concen: 26.25 ug/l

RT: 2.79 min Scan# 361

Delta R.T. -0.00 min

Lab File: VX000163.D

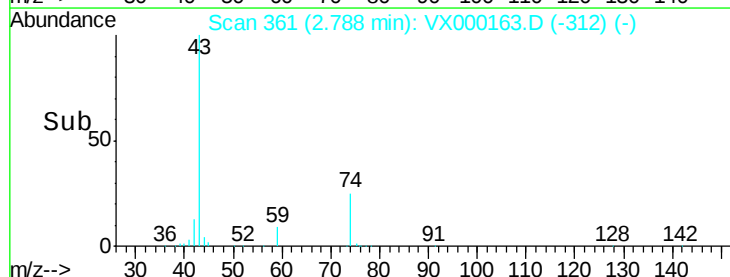
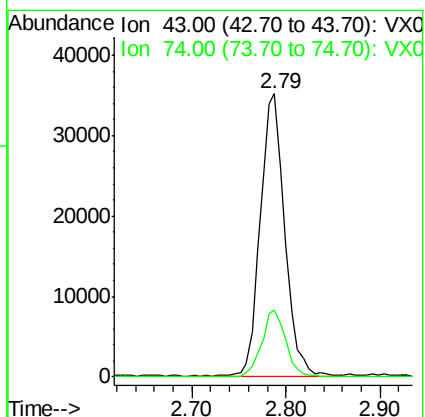
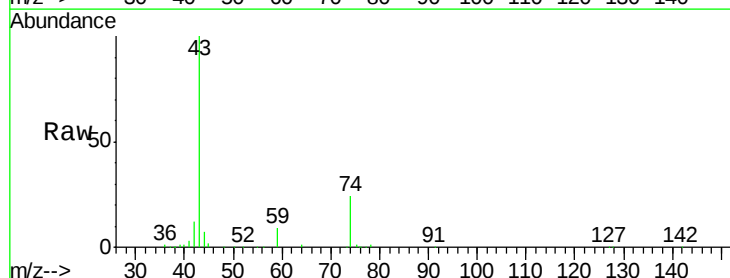
Acq: 28 Feb 2018 12:53

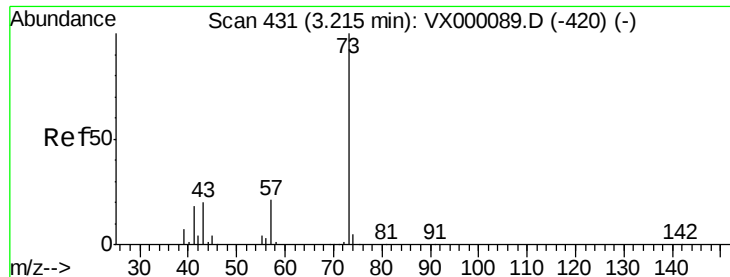
Tgt Ion: 43 Resp: 64111

Ion Ratio Lower Upper

43 100

74 23.3 20.2 30.4





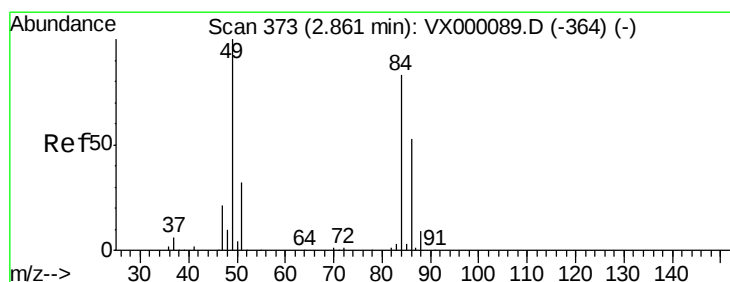
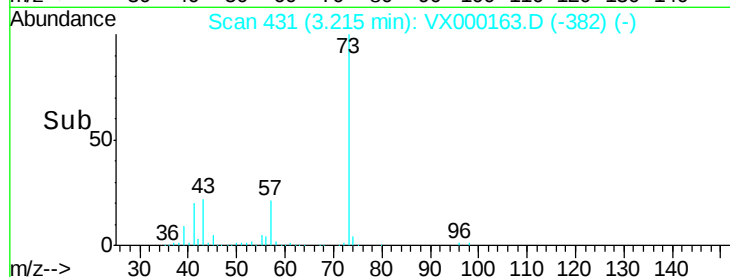
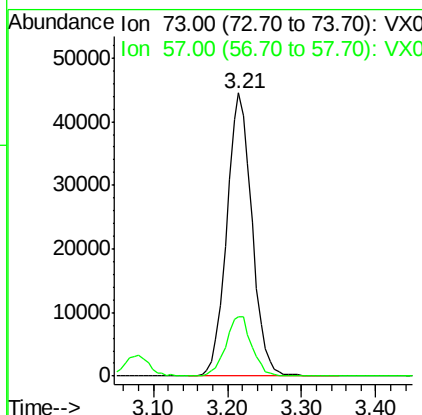
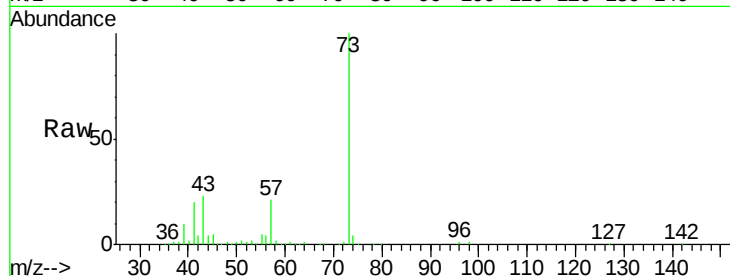
#19
Methvl tert-butvl Ether
Concen: 22.76 ug/l
RT: 3.21 min Scan# 431
Delta R.T. -0.00 min
Lab File: VX000163.D
Acq: 28 Feb 2018 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBSD01

Tot Ion: 73 Resp: 105199
Ion Ratio Lower Upper
73 100
57 20.8 16.4 24.6

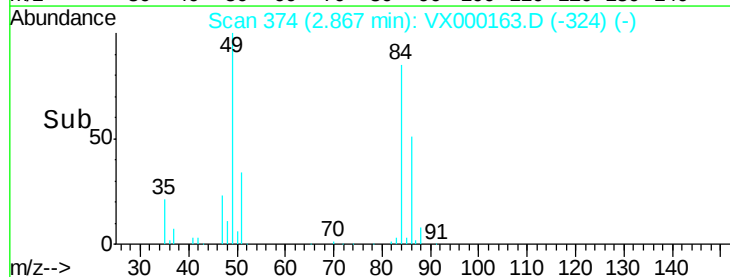
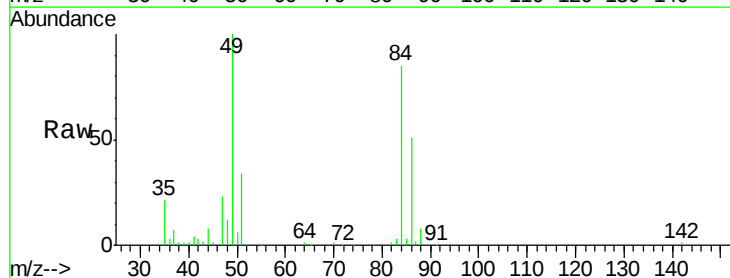
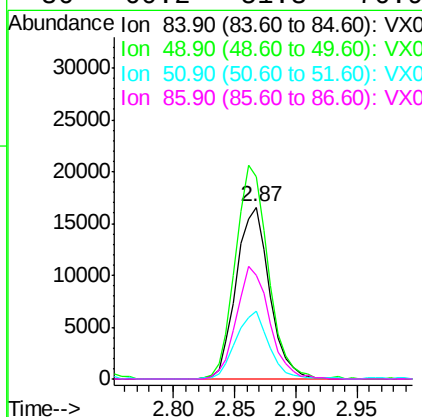
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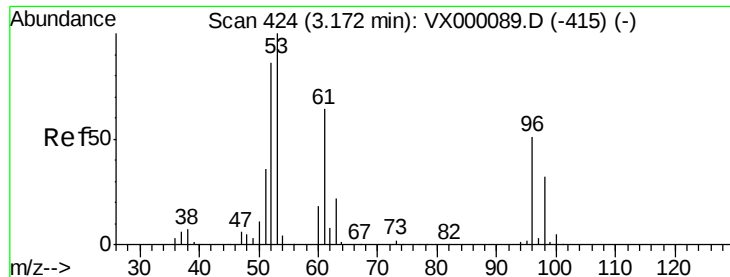
apatel
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#20
Methylene Chloride
Concen: 22.73 ug/l
RT: 2.87 min Scan# 374
Delta R.T. 0.01 min
Lab File: VX000163.D
Acq: 28 Feb 2018 12:53

Tgt Ion: 84 Resp: 31341
Ion Ratio Lower Upper
84 100
49 117.6 96.1 144.1
51 39.9 30.5 45.7
86 60.2 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 19.88 ug/l

RT: 3.17 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX000163.D

Acq: 28 Feb 2018 12:53

Instrument :

MSVOA_X

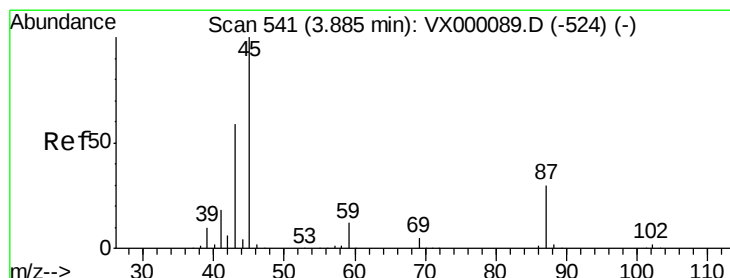
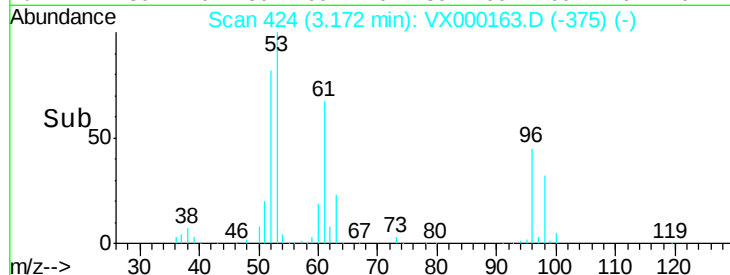
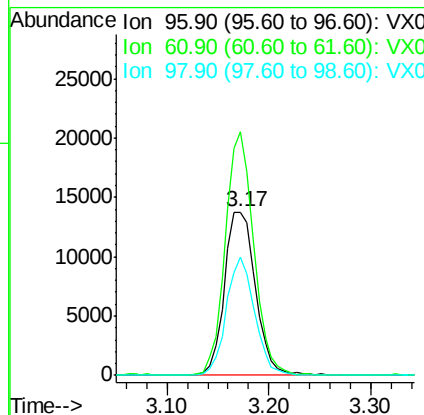
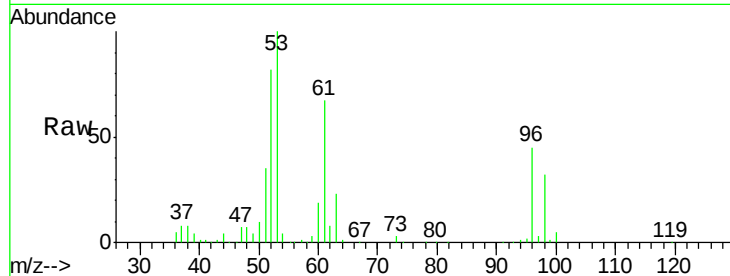
ClientSampleId :

VX0228WBSD01

Tot Ion:	96	Resp:	29018
Ion	Ratio	Lower	Upper
96	100		
61	149.2	100.3	150.5
98	72.3	50.6	75.8

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#22

Diisopropyl ether

Concen: 20.22 ug/l

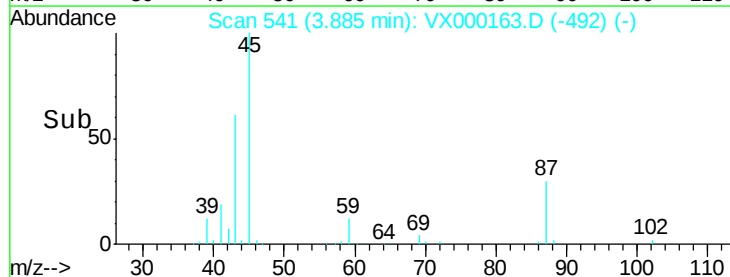
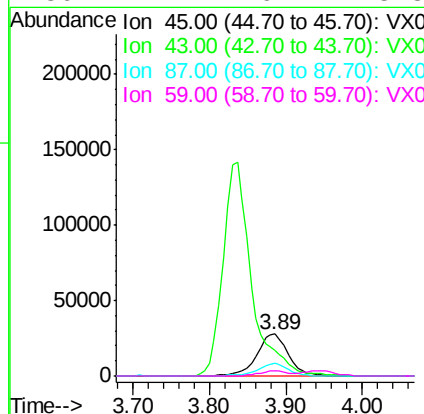
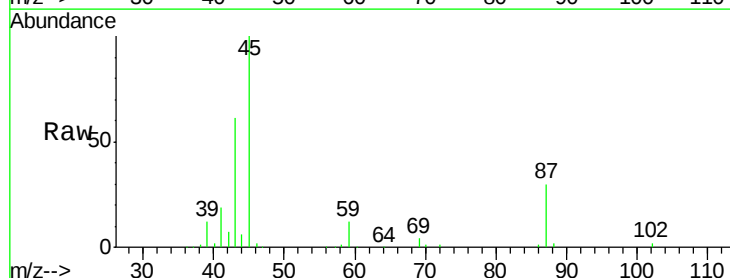
RT: 3.89 min Scan# 541

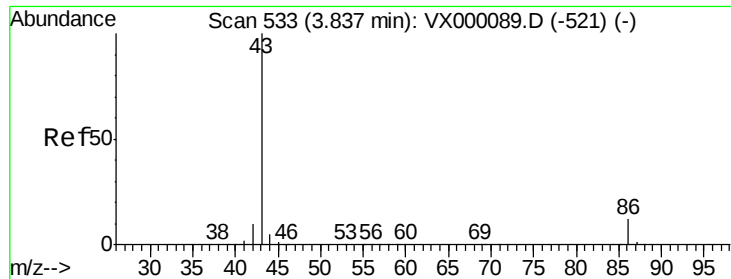
Delta R.T. -0.00 min

Lab File: VX000163.D

Acq: 28 Feb 2018 12:53

Tgt Ion:	45	Resp:	79657
Ion	Ratio	Lower	Upper
45	100		
43	60.7	47.4	71.2
87	30.0	24.2	36.2
59	12.2	9.2	13.8





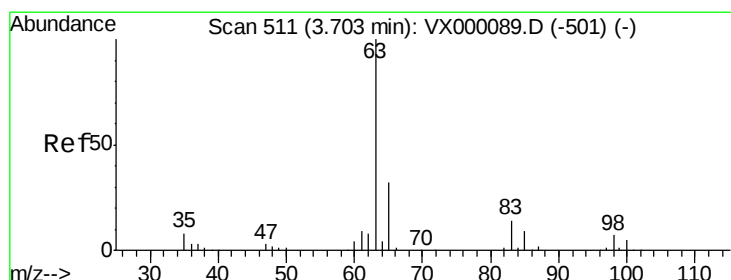
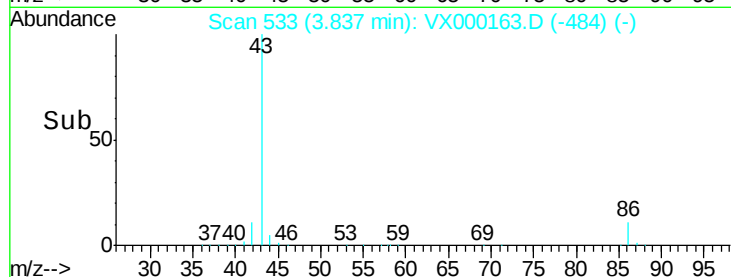
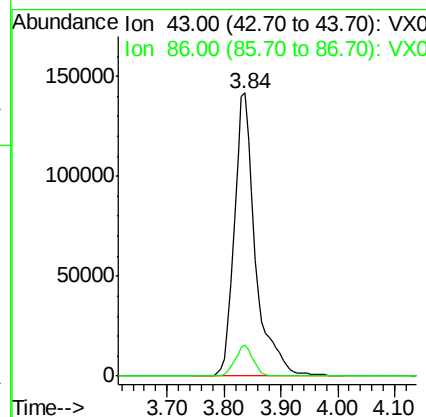
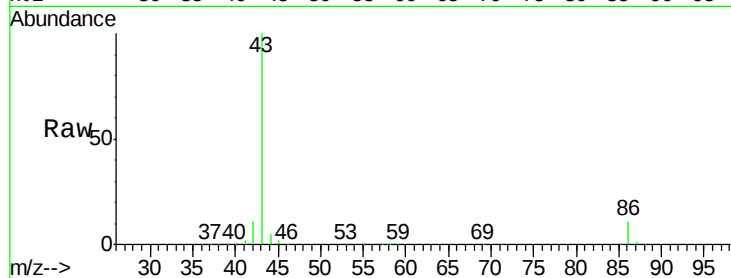
#23
 Vinyl Acetate
 Concen: 100.41 ug/l
 RT: 3.84 min Scan# 533
 Delta R.T. -0.00 min
 Lab File: VX000163.D
 Acq: 28 Feb 2018 12:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0228WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
86	11.0	9.4	14.0

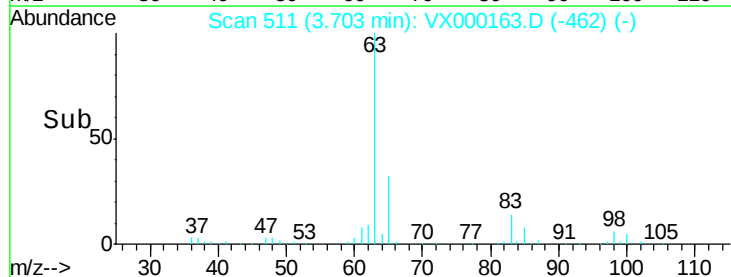
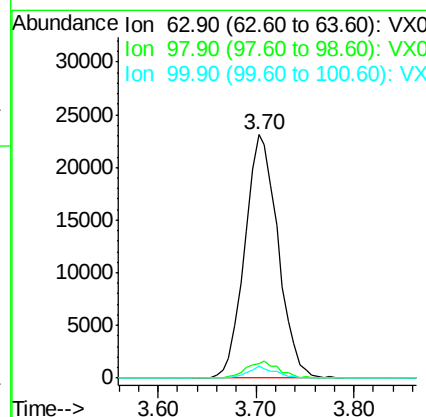
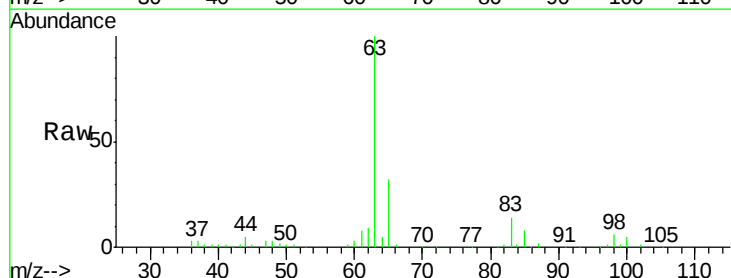
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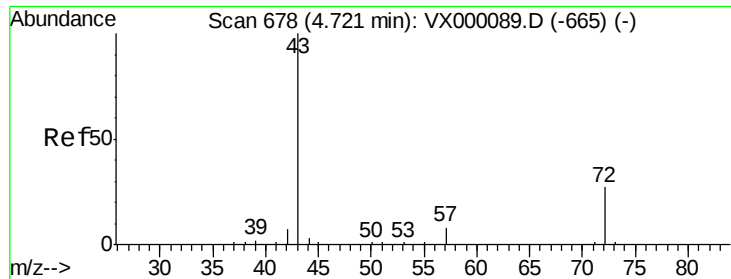
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#24
 1,1-Dichloroethane
 Concen: 23.35 ug/l
 RT: 3.70 min Scan# 511
 Delta R.T. -0.00 min
 Lab File: VX000163.D
 Acq: 28 Feb 2018 12:53

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.1	3.5	10.5
100	5.0	2.4	7.1





#25

2-Butanone

Concen: 117.85 ug/l

RT: 4.72 min Scan# 678

Delta R.T. -0.00 min

Lab File: VX000163.D

Acq: 28 Feb 2018 12:53

Instrument :

MSVOA_X

ClientSampled :

VX0228WBSD01

Tot Ion: 43 Resp: 171334

Ion Ratio Lower Upper

43 100

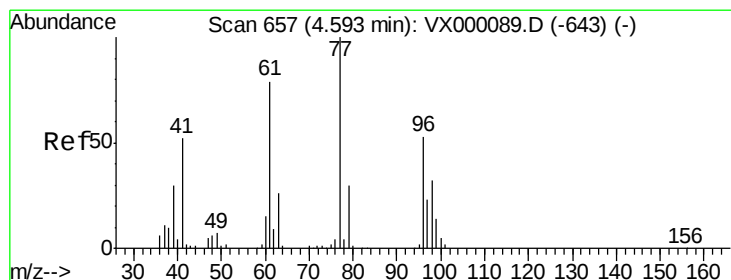
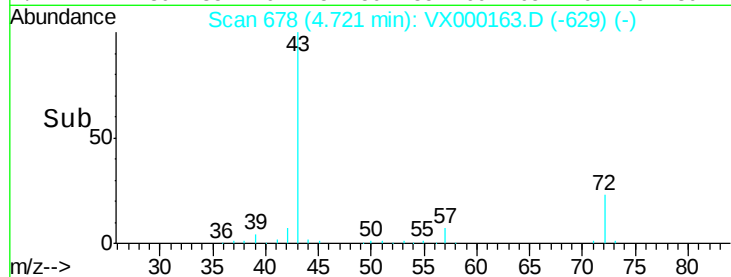
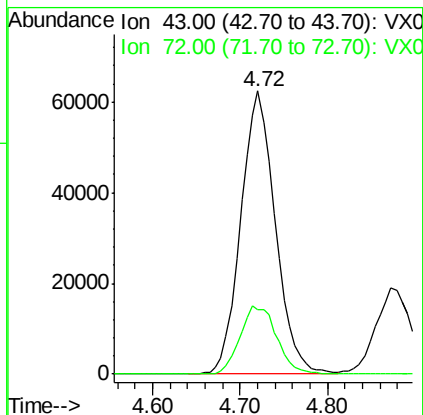
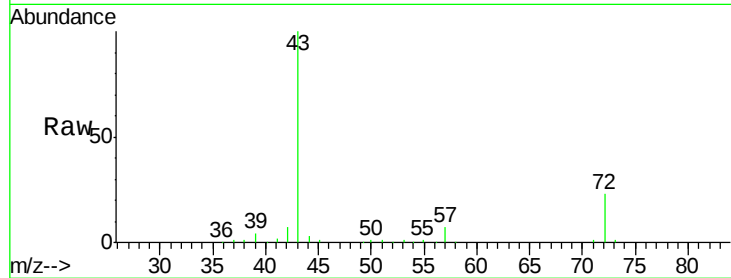
72 22.9 21.3 31.9

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#26

2,2-Dichloropropane

Concen: 20.53 ug/l

RT: 4.60 min Scan# 658

Delta R.T. 0.01 min

Lab File: VX000163.D

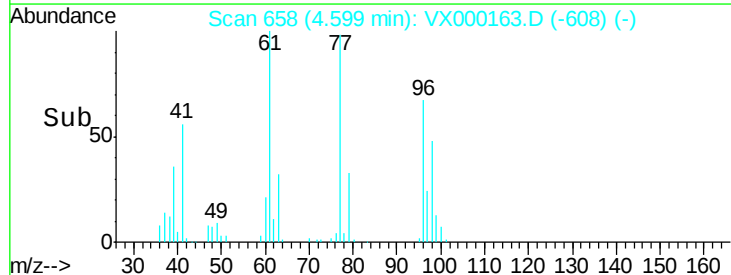
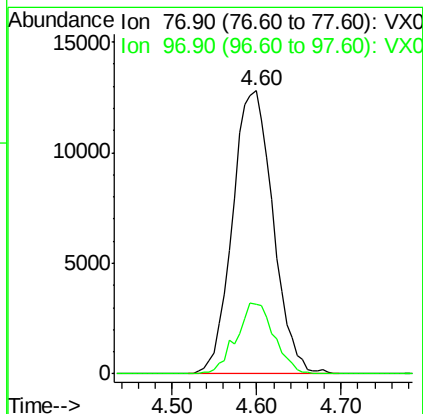
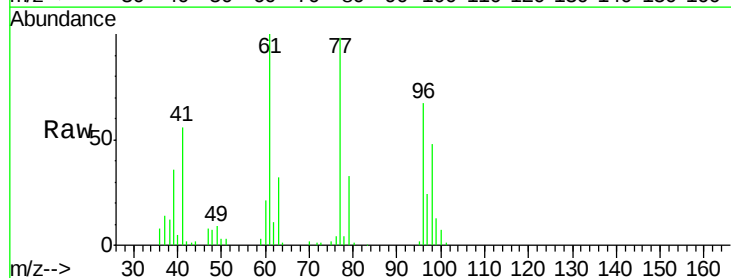
Acq: 28 Feb 2018 12:53

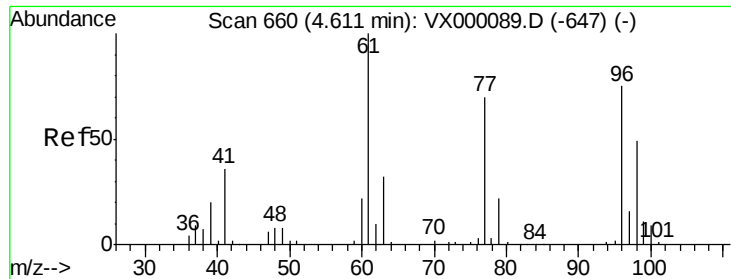
Tgt Ion: 77 Resp: 41638

Ion Ratio Lower Upper

77 100

97 23.3 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 21.18 ug/l

RT: 4.60 min Scan# 659

Delta R.T. -0.01 min

Lab File: VX000163.D

Acq: 28 Feb 2018 12:53

Instrument :

MSVOA_X

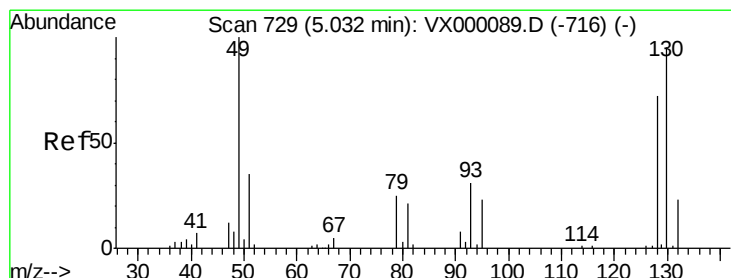
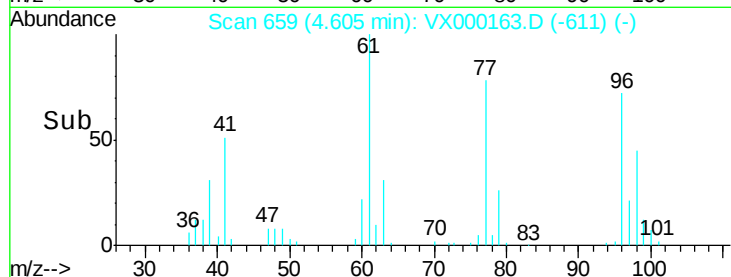
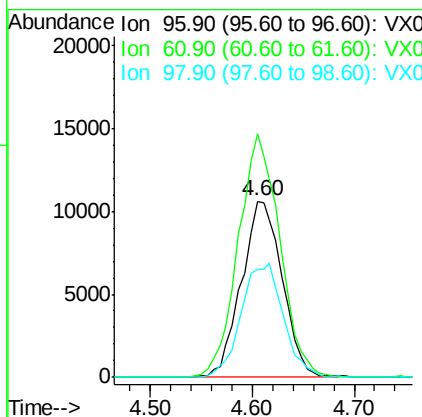
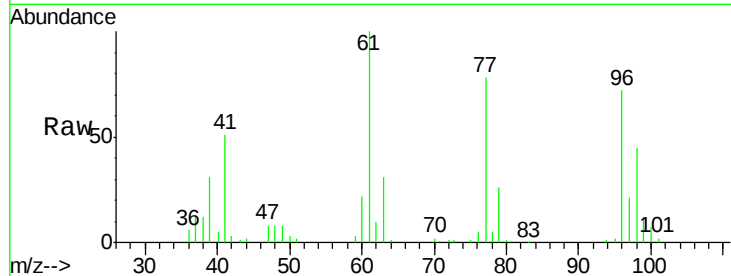
ClientSampleId :

VX0228WBSD01

Tot Ion:	96	Resp:	29452
Ion	Ratio	Lower	Upper
96	100		
61	140.8	0.0	285.6
98	66.8	0.0	131.8

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#28

Bromochloromethane

Concen: 23.48 ug/l

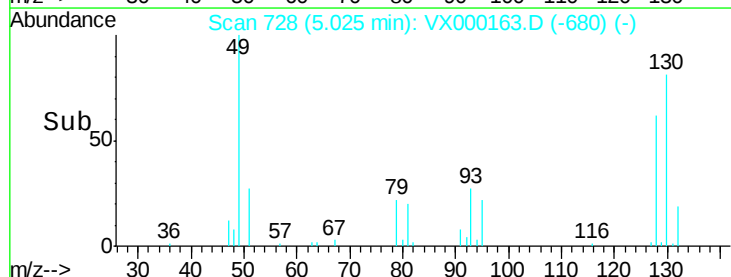
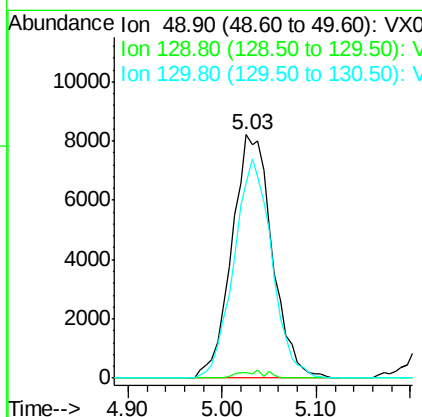
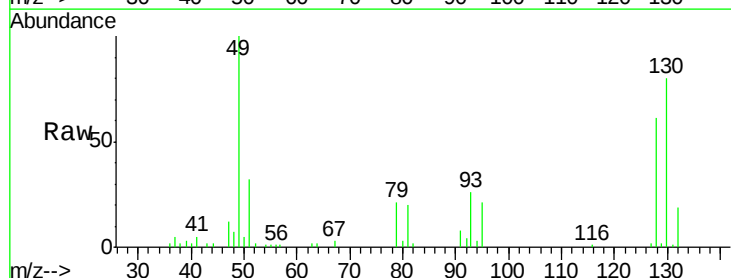
RT: 5.03 min Scan# 728

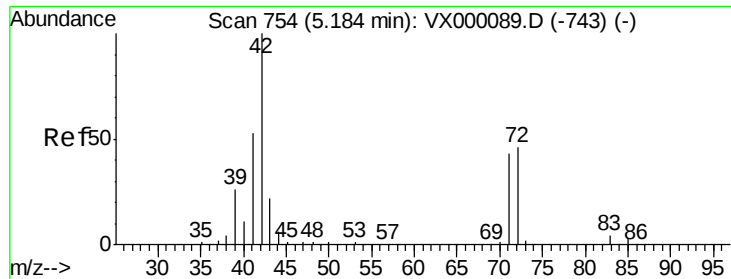
Delta R.T. -0.01 min

Lab File: VX000163.D

Acq: 28 Feb 2018 12:53

Tgt Ion:	49	Resp:	24568
Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	5.0
130	84.8	71.9	107.9





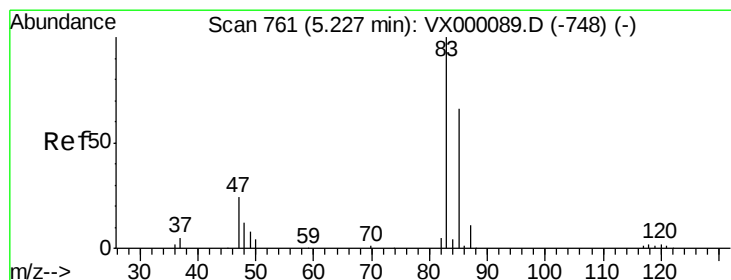
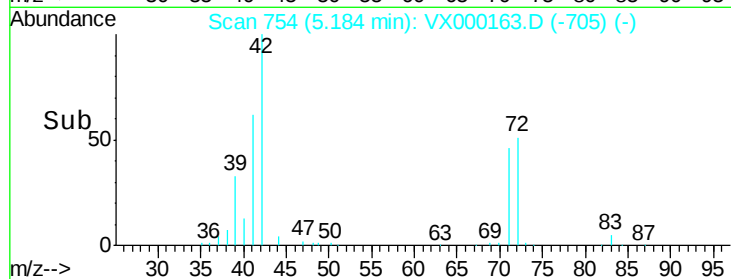
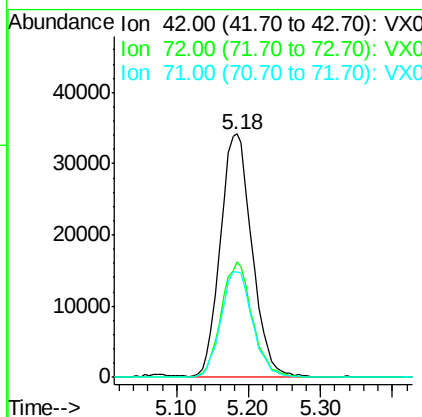
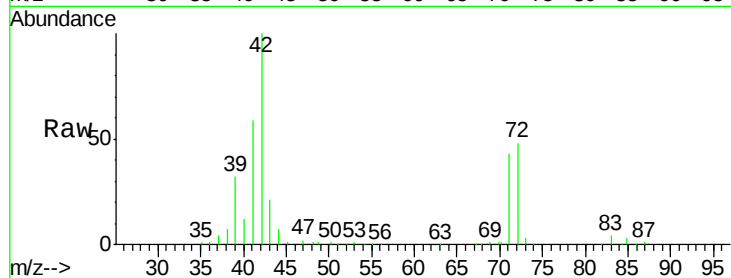
#29
Tetrahydrofuran
Concen: 110.12 ug/l
RT: 5.18 min Scan# 754
Delta R.T. -0.00 min
Lab File: VX000163.D
Acq: 28 Feb 2018 12:53

Instrument :
MSVOA_X
ClientSampled :
VX0228WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.5	38.6	58.0
71	43.4	36.2	54.4

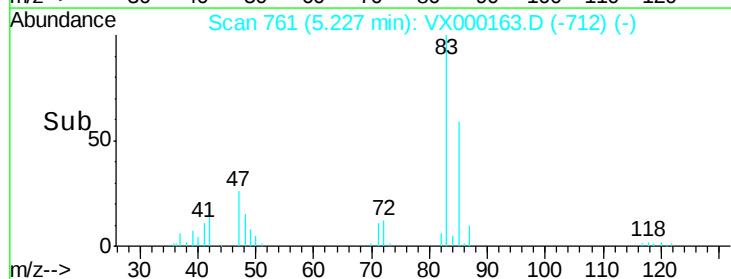
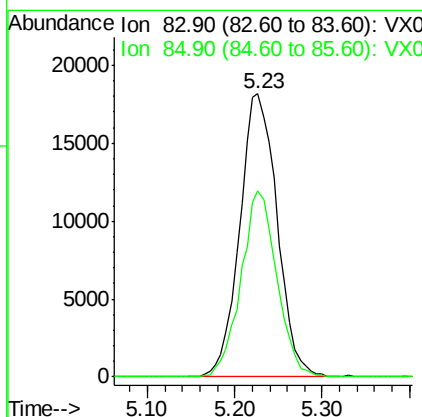
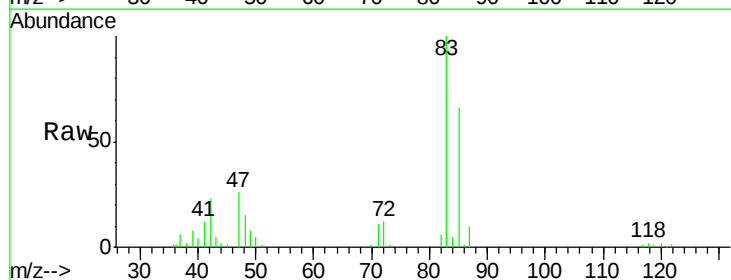
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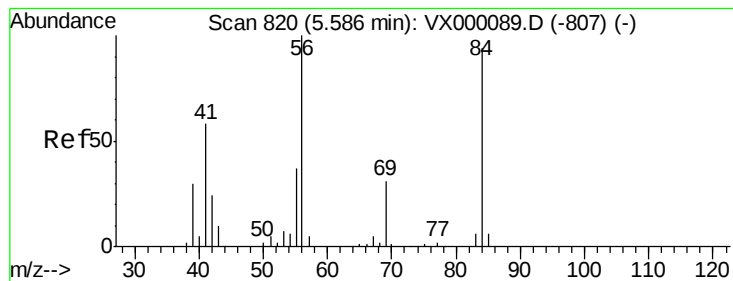
apatel
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#30
Chloroform
Concen: 21.99 ug/l
RT: 5.23 min Scan# 761
Delta R.T. -0.00 min
Lab File: VX000163.D
Acq: 28 Feb 2018 12:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	52.7	79.1





#31

Cyclohexane

Concen: 18.80 ug/l

RT: 5.59 min Scan# 820

Delta R.T. -0.00 min

Lab File: VX000163.D

Acq: 28 Feb 2018 12:53

Instrument :

MSVOA_X

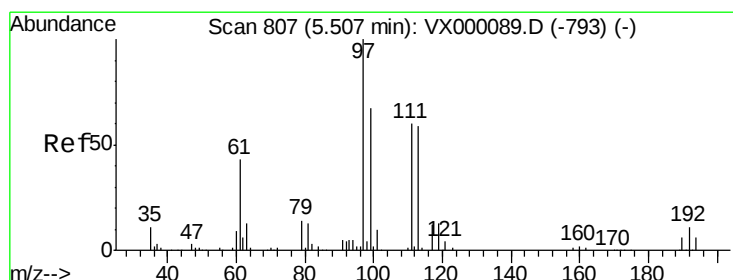
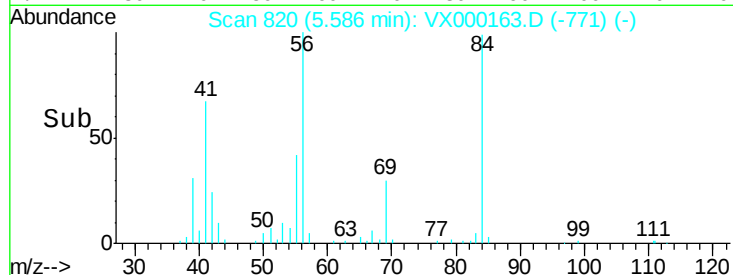
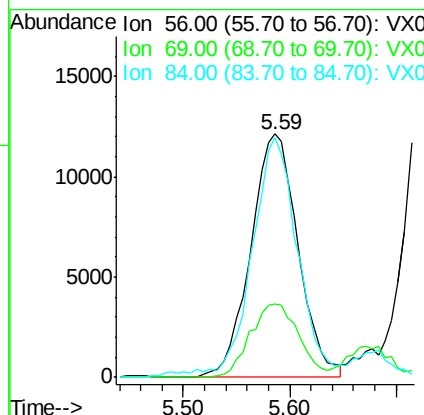
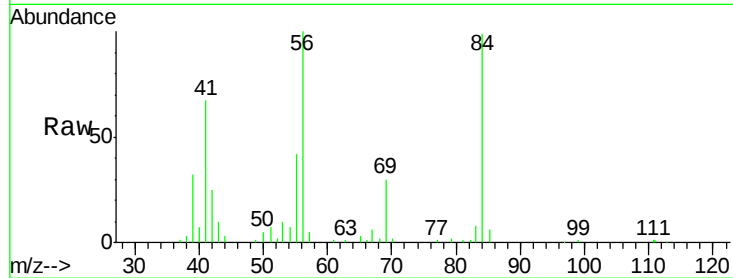
ClientSampleId :

VX0228WBSD01

Tot Ion:	56	Resp:	37723
Ion	Ratio	Lower	Upper
56	100		
69	30.1	24.9	37.3
84	96.8	75.0	112.4

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#32

1,1,1-Trichloroethane

Concen: 20.47 ug/l

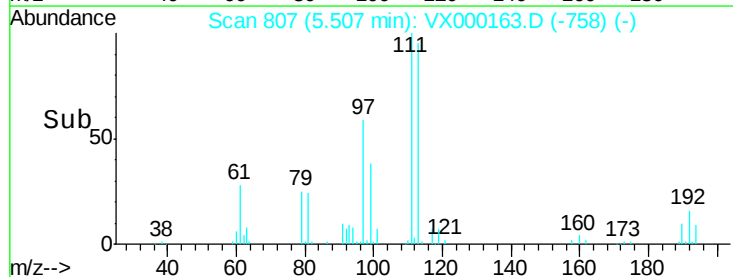
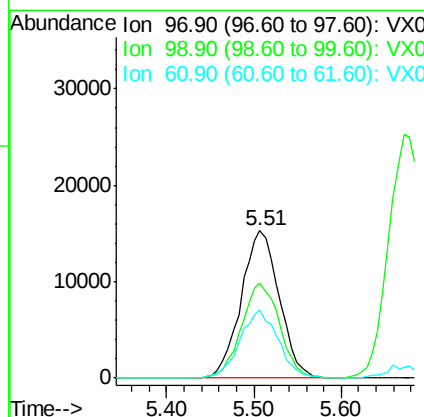
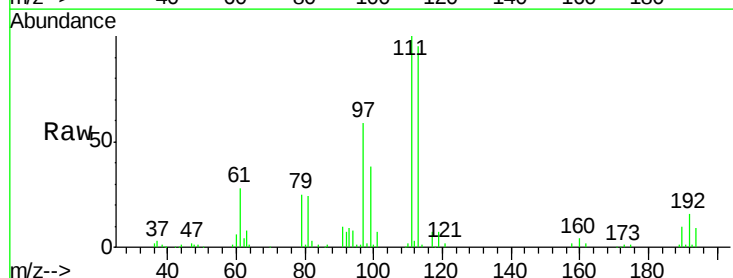
RT: 5.51 min Scan# 807

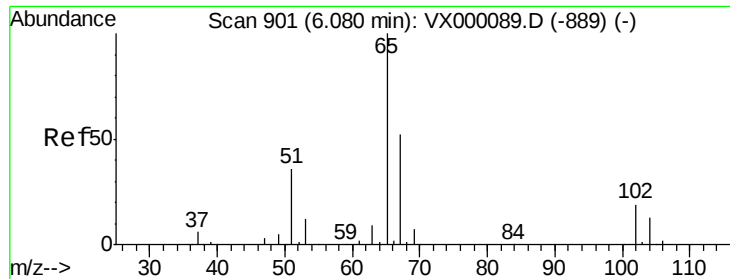
Delta R.T. -0.00 min

Lab File: VX000163.D

Acq: 28 Feb 2018 12:53

Tgt Ion:	97	Resp:	46262
Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.1	76.7
61	46.4	33.4	50.0





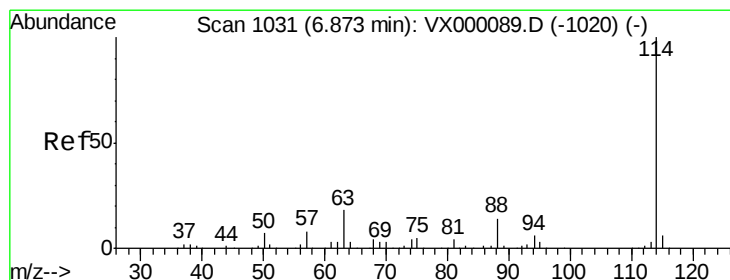
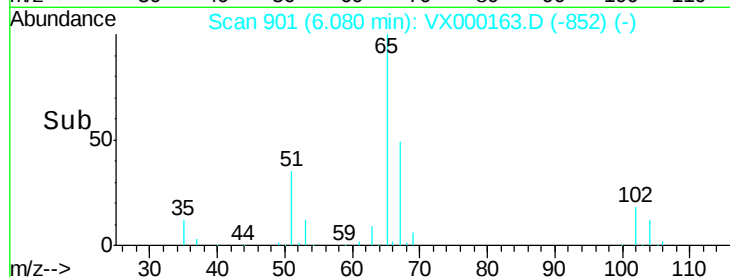
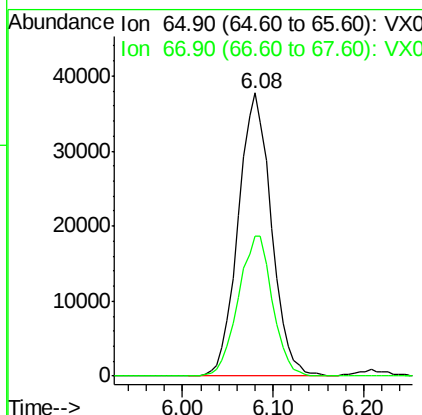
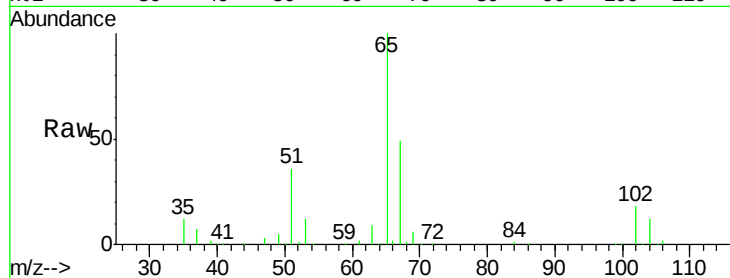
#33
 1,2-Dichloroethane-d4
 Concen: 59.59 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. -0.00 min
 Lab File: VX000163.D
 Acq: 28 Feb 2018 12:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0228WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	95683		
67	51.0		0.0	104.8

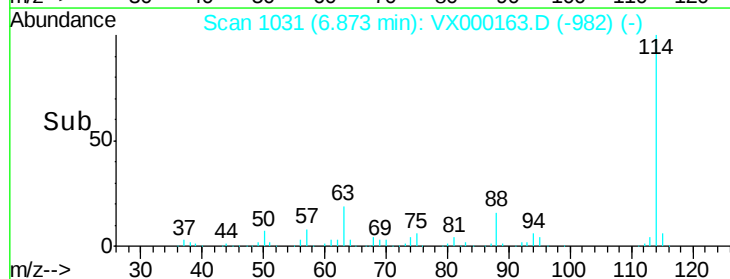
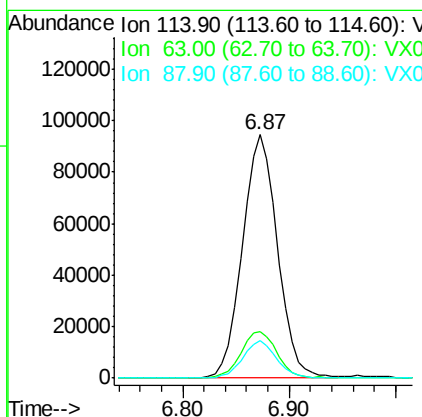
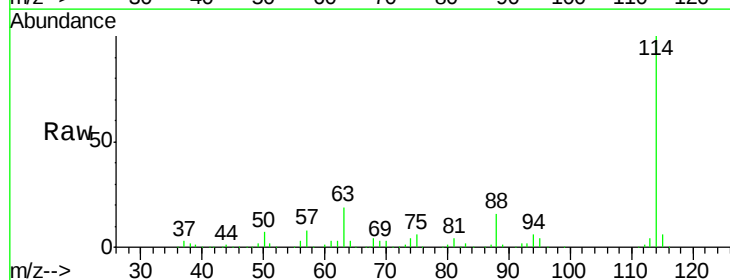
Manual Integrations
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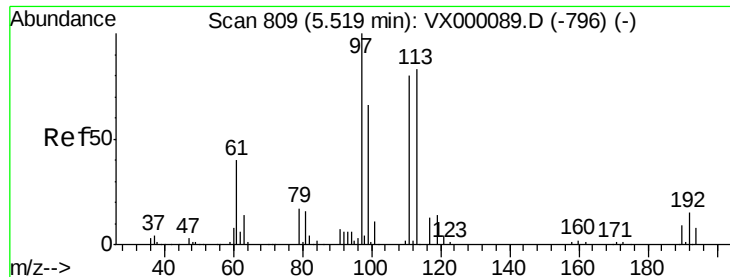
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. -0.00 min
 Lab File: VX000163.D
 Acq: 28 Feb 2018 12:53

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	219305		
63	19.2		0.0	36.4
88	15.5		0.0	29.0





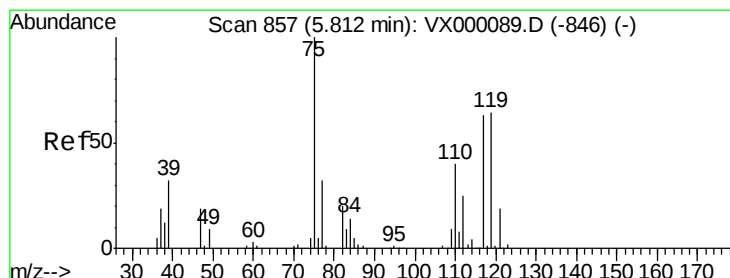
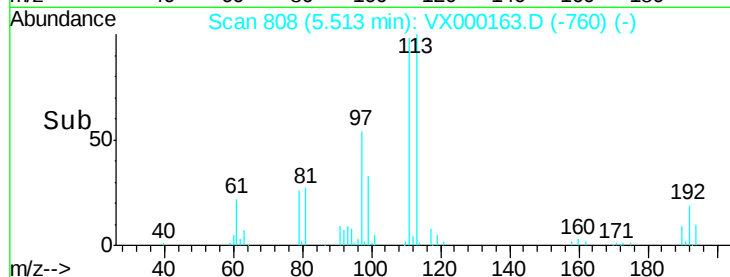
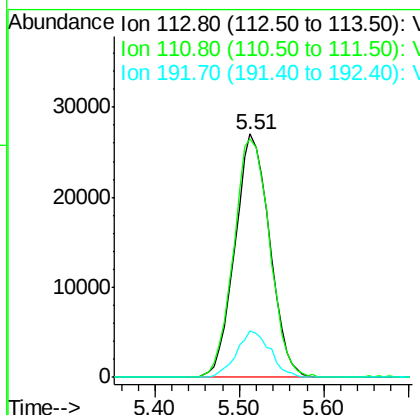
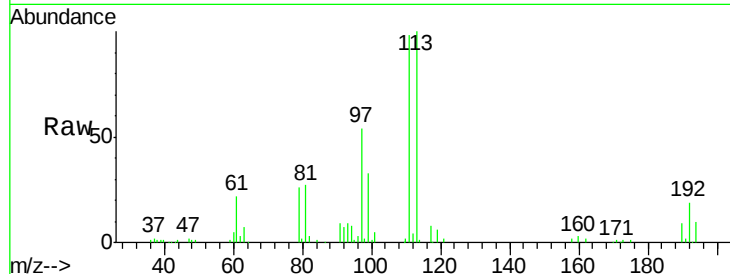
#35
 Dibromofluoromethane
 Concen: 54.33 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.01 min
 Lab File: VX000163.D
 Acq: 28 Feb 2018 12:53

Instrument :
 MSVOA_X
 ClientSampled :
 VX0228WBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.0	121.6
192	18.5	15.7	23.5

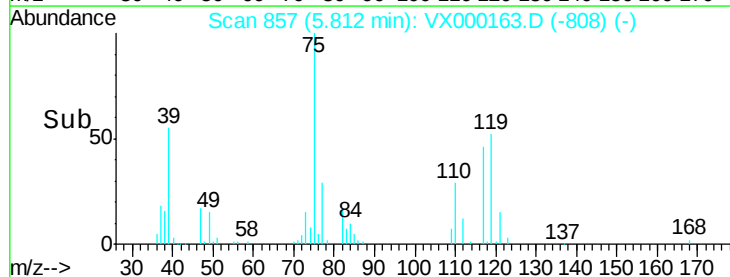
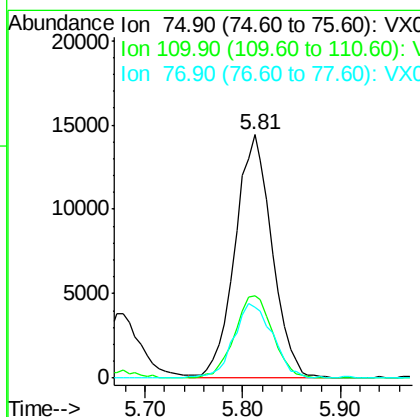
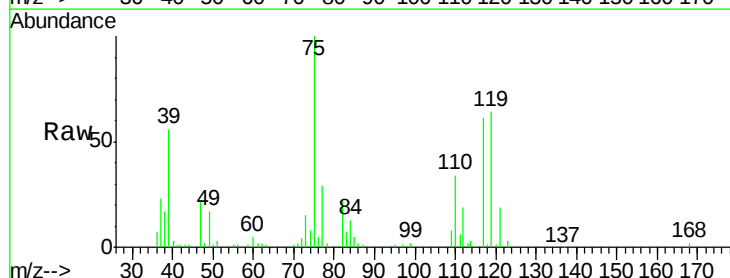
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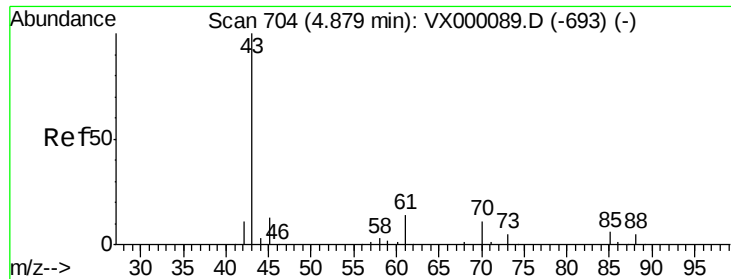
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#36
 1,1-Dichloropropene
 Concen: 19.26 ug/l
 RT: 5.81 min Scan# 857
 Delta R.T. -0.00 min
 Lab File: VX000163.D
 Acq: 28 Feb 2018 12:53

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.9	19.5	58.5
77	32.0	24.7	37.1





#37

Ethyl Acetate

Concen: 20.21 ug/l

RT: 4.87 min Scan# 703

Delta R.T. -0.01 min

Lab File: VX000163.D

Acq: 28 Feb 2018 12:53

Instrument :

MSVOA_X

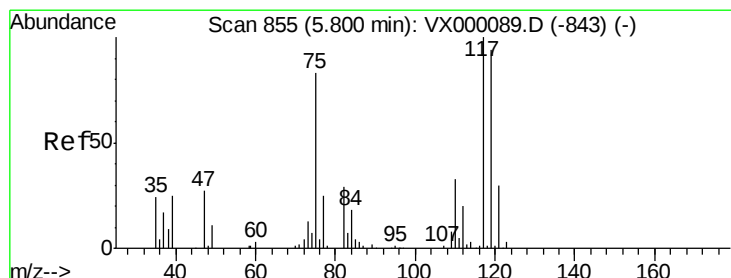
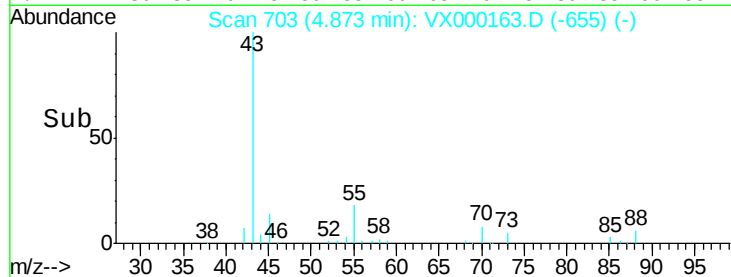
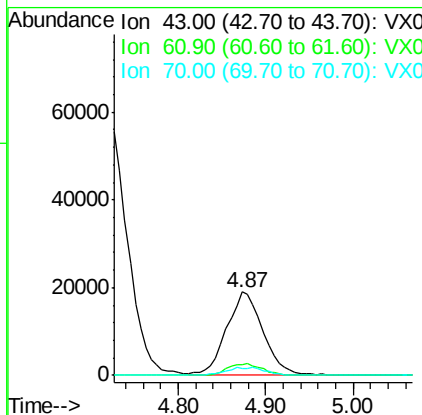
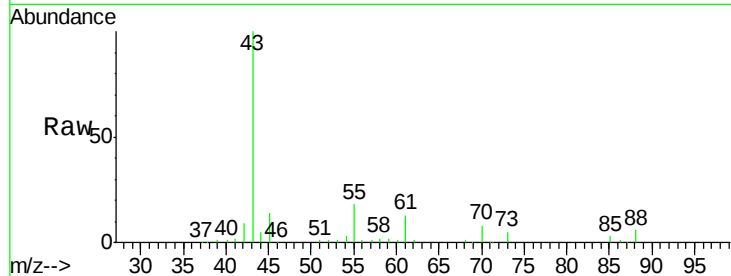
ClientSampled :

VX0228WBSD01

Tot Ion:	43	Resp:	54652
Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.5	17.3
70	10.0	9.0	13.4

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 18.57 ug/l

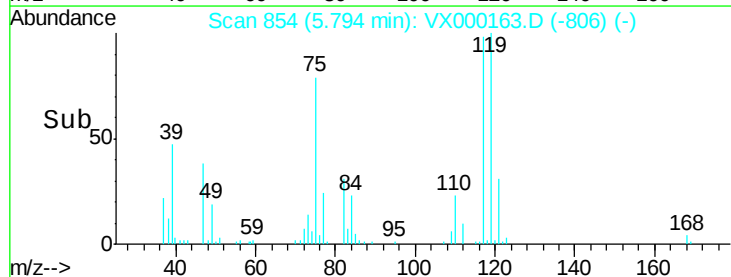
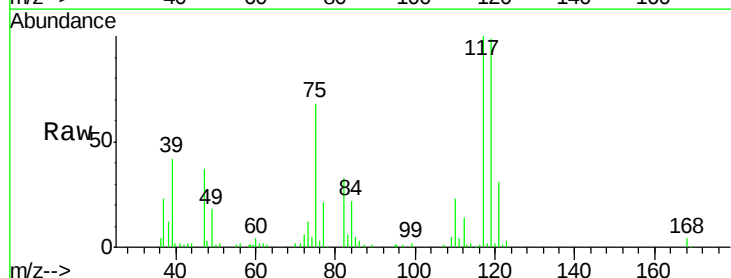
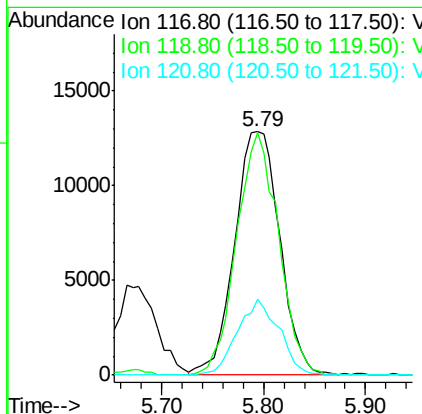
RT: 5.79 min Scan# 854

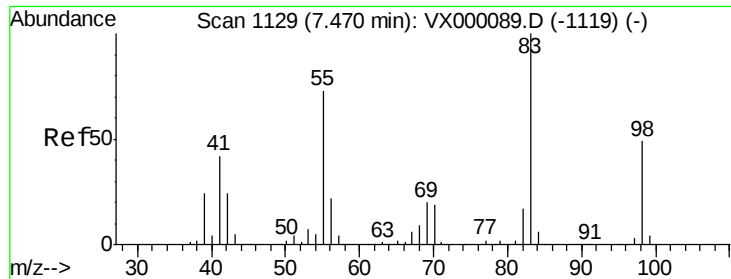
Delta R.T. -0.01 min

Lab File: VX000163.D

Acq: 28 Feb 2018 12:53

Tgt Ion:	117	Resp:	39481
Ion	Ratio	Lower	Upper
117	100		
119	99.3	75.3	112.9
121	31.0	23.7	35.5





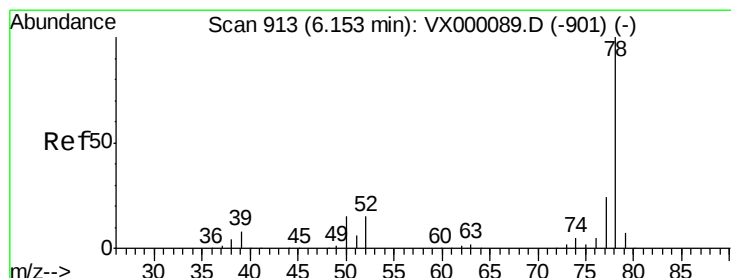
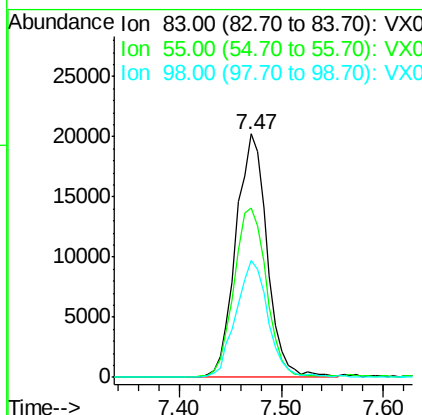
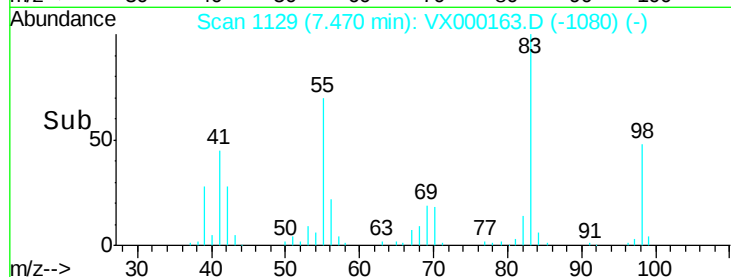
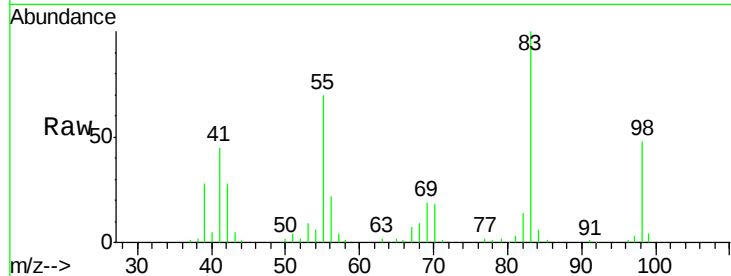
#39
Methvlcvclohexane
Concen: 18.18 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VX000163.D
Acq: 28 Feb 2018 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.7	58.2	87.2
98	47.9	39.0	58.6

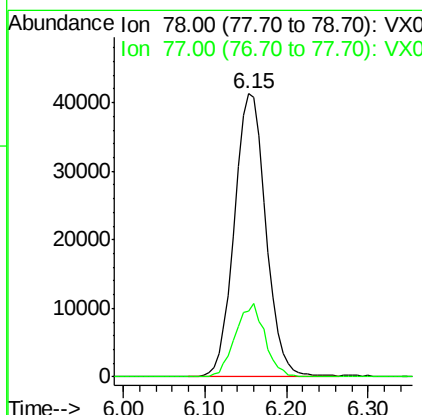
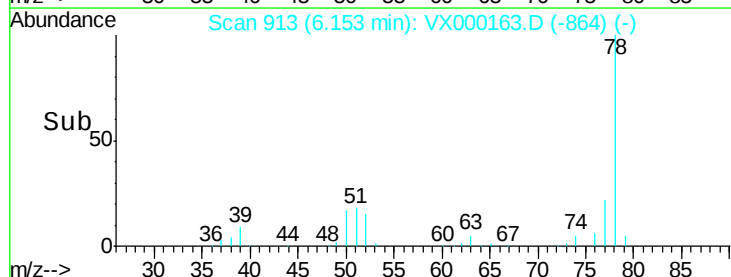
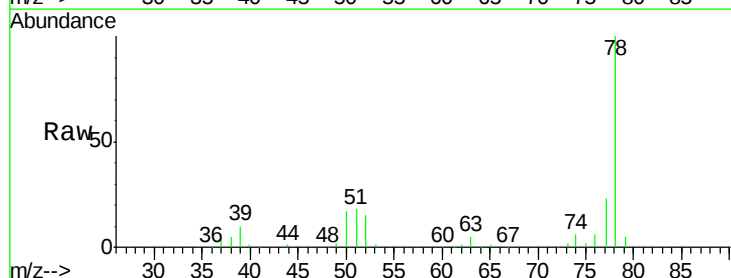
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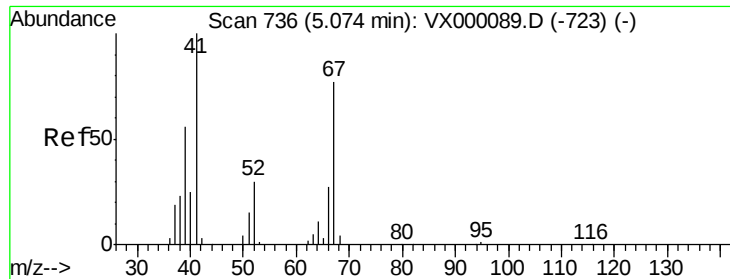
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#40
Benzene
Concen: 19.63 ug/l
RT: 6.15 min Scan# 913
Delta R.T. -0.00 min
Lab File: VX000163.D
Acq: 28 Feb 2018 12:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.4	29.0





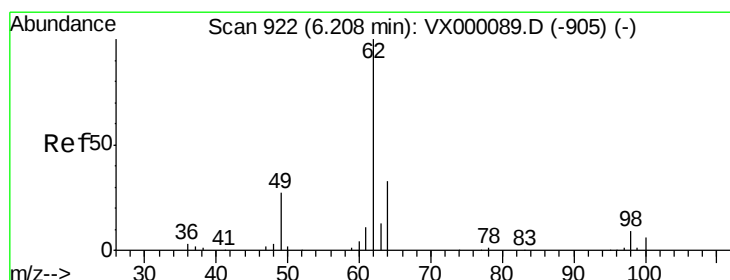
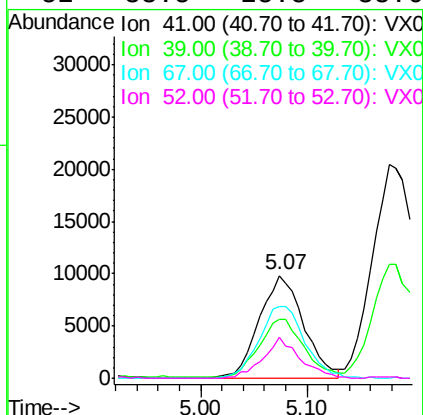
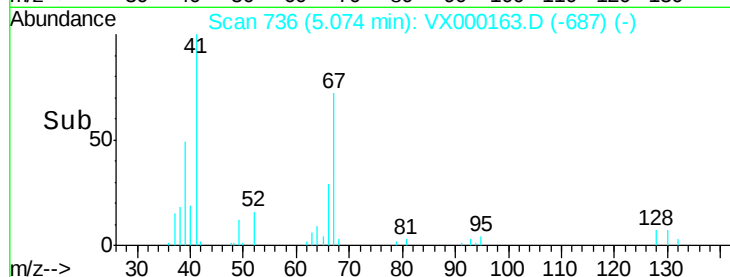
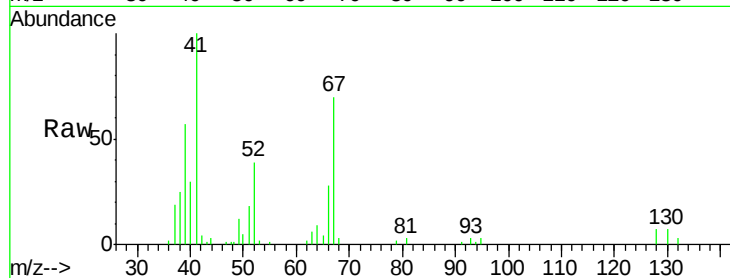
#41
Methacrylonitrile
Concen: 21.65 ug/l
RT: 5.07 min Scan# 736
Delta R.T. 0.00 min
Lab File: VX000163.D
Acq: 28 Feb 2018 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		28479		
39	57.9	45.1	67.7		
67	72.6	61.0	91.4		
52	33.5	25.8	38.6		

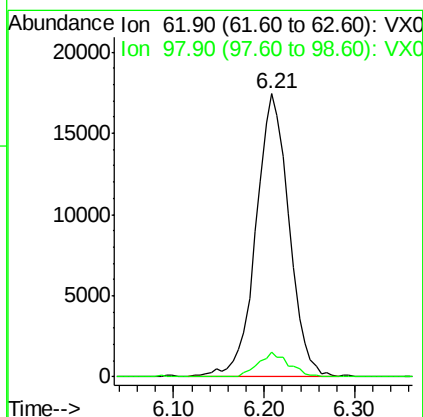
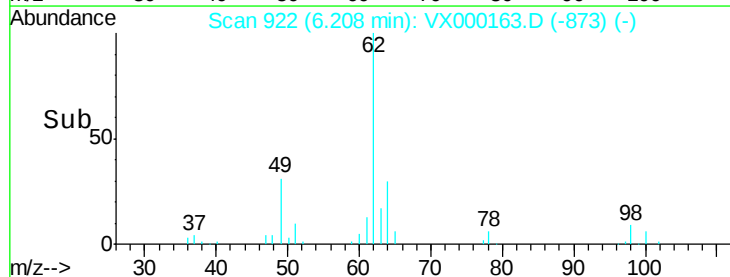
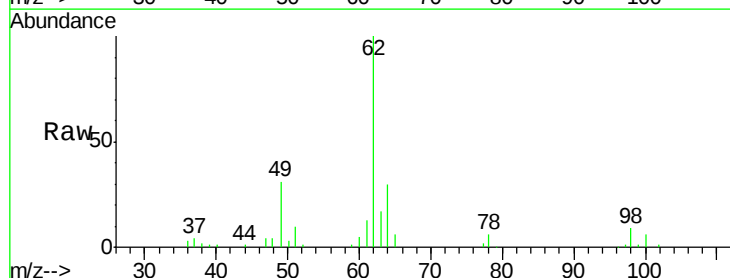
Manual Integrations
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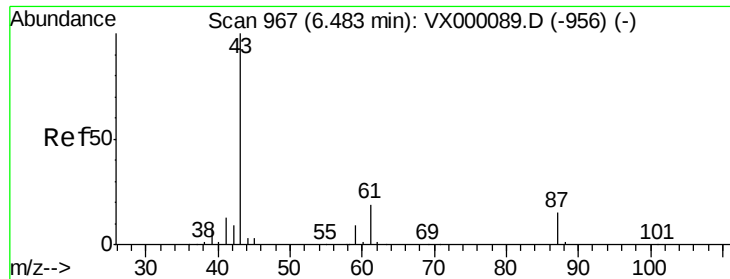
apatel
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#42
1,2-Dichloroethane
Concen: 21.40 ug/l
RT: 6.21 min Scan# 922
Delta R.T. -0.00 min
Lab File: VX000163.D
Acq: 28 Feb 2018 12:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		44157		
98	8.2	0.0	17.8		





#43

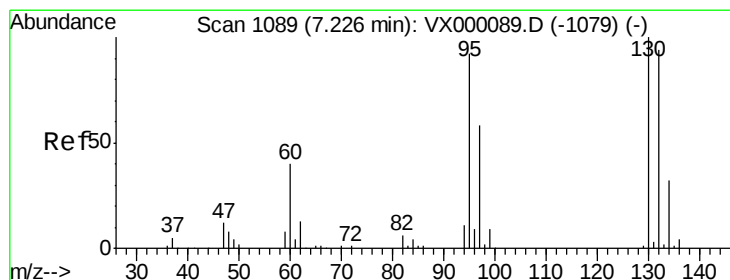
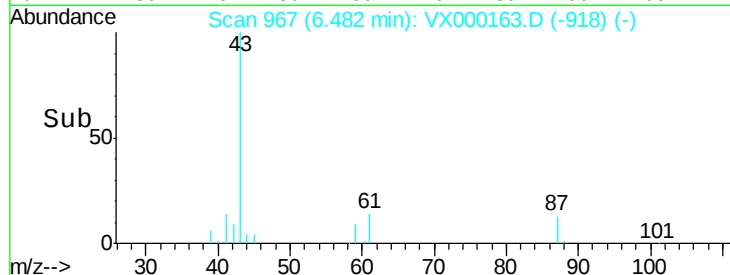
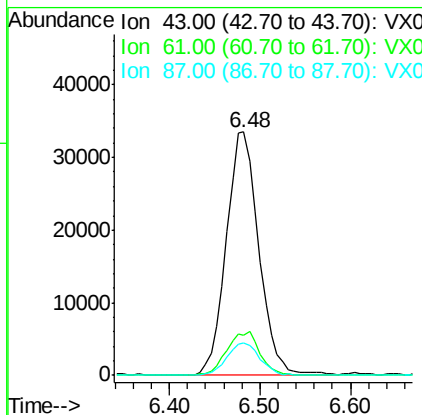
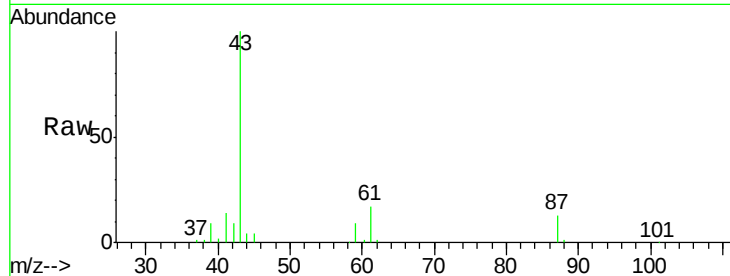
Isopropyl Acetate
 Concen: 21.53 ug/l
 RT: 6.48 min Scan# 967
 Delta R.T. -0.00 min
 Lab File: VX000163.D
 Acq: 28 Feb 2018 12:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0228WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.1	15.6	23.4
87	13.4	11.7	17.5

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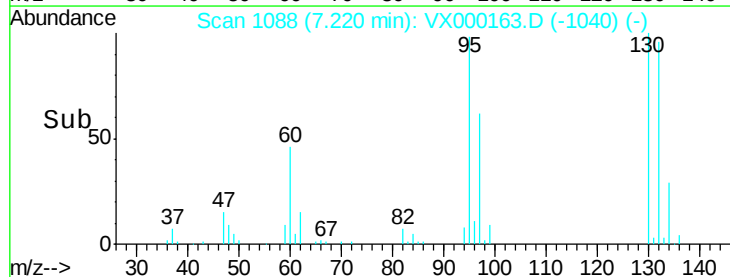
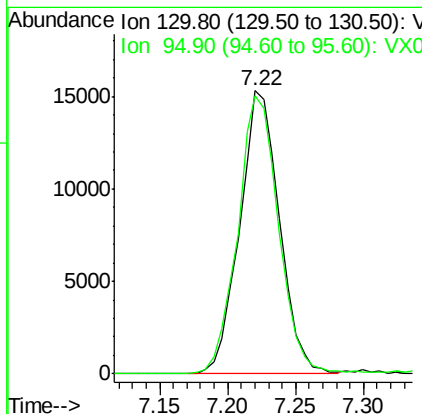
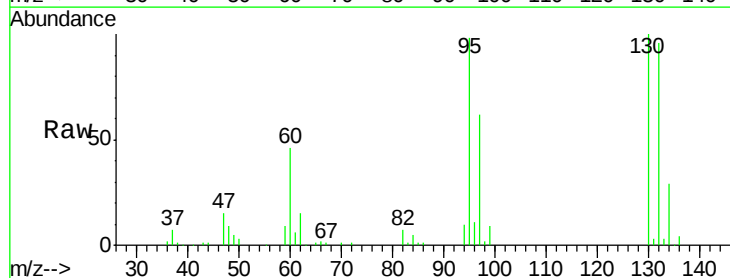
apatel
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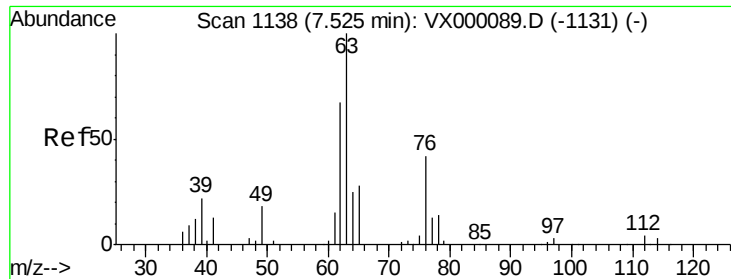


#44

Trichloroethene
 Concen: 18.89 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. -0.01 min
 Lab File: VX000163.D
 Acq: 28 Feb 2018 12:53

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.2	0.0	183.4





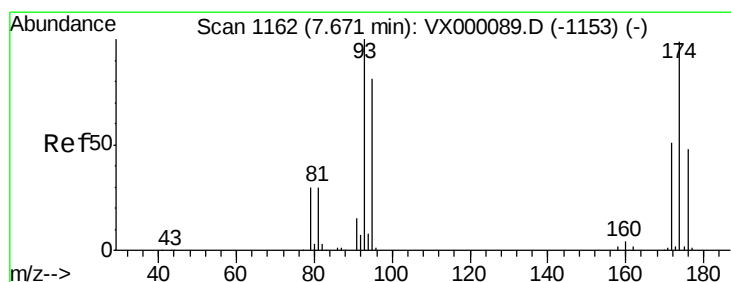
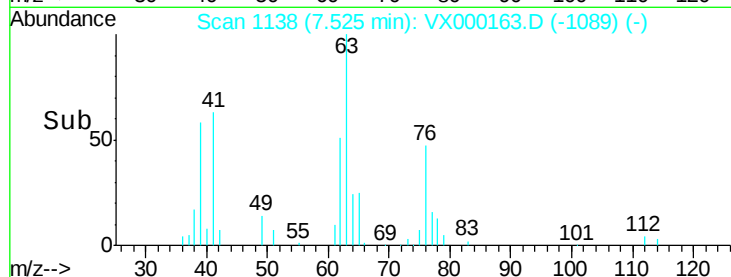
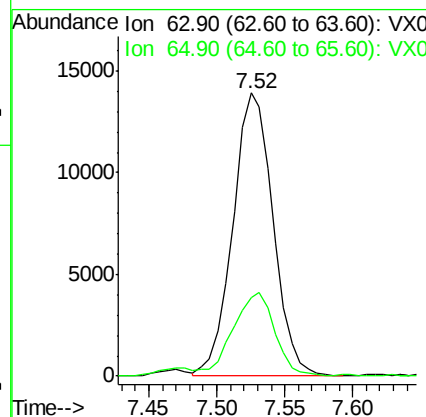
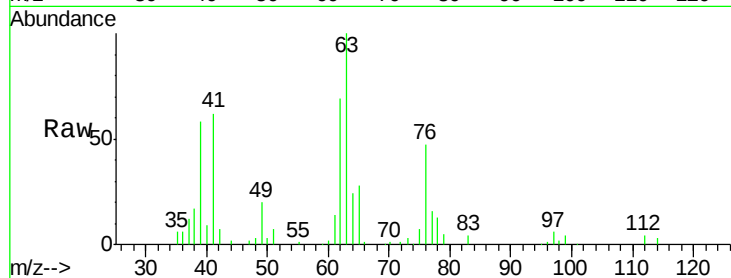
#45
 1,2-Dichloropropane
 Concen: 20.82 ug/l
 RT: 7.52 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VX000163.D
 Acq: 28 Feb 2018 12:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0228WBSD01

Tot Ion: 63 Resp: 28689
 Ion Ratio Lower Upper
 63 100
 65 27.1 23.8 35.8

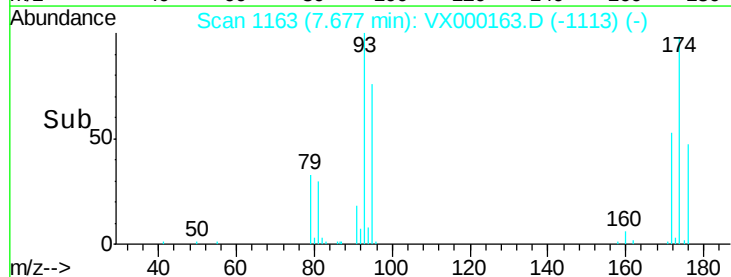
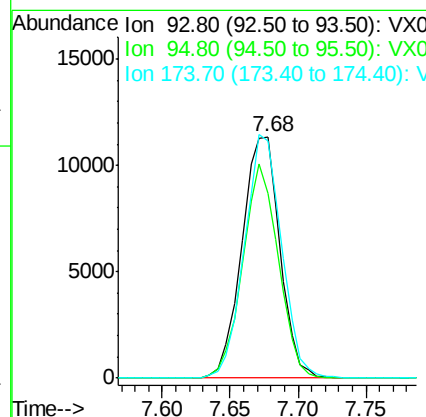
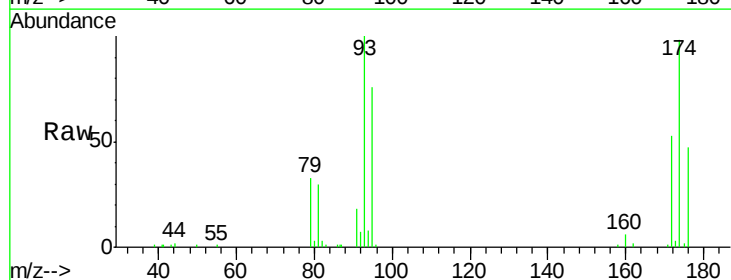
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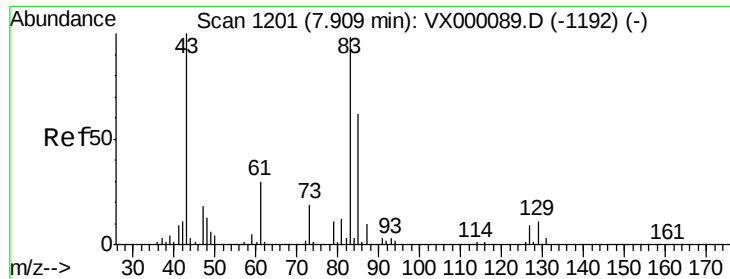
apatel
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#46
 Dibromomethane
 Concen: 20.68 ug/l
 RT: 7.68 min Scan# 1163
 Delta R.T. 0.01 min
 Lab File: VX000163.D
 Acq: 28 Feb 2018 12:53

Tgt Ion: 93 Resp: 22237
 Ion Ratio Lower Upper
 93 100
 95 83.0 65.0 97.6
 174 98.2 83.1 124.7





#47

Bromodichloromethane

Concen: 20.68 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VX000163.D

Acq: 28 Feb 2018 12:53

Instrument :

MSVOA_X

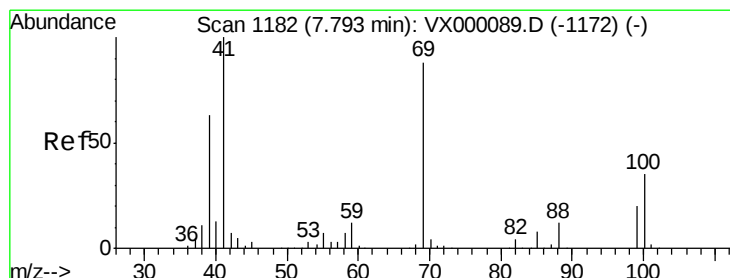
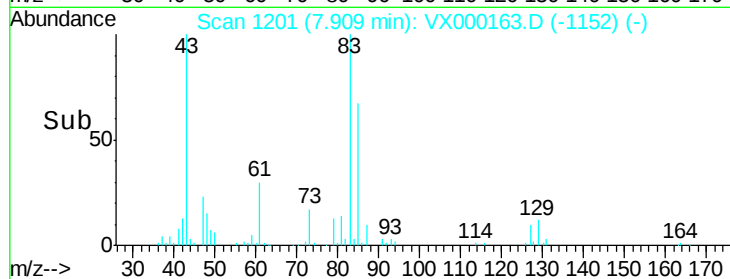
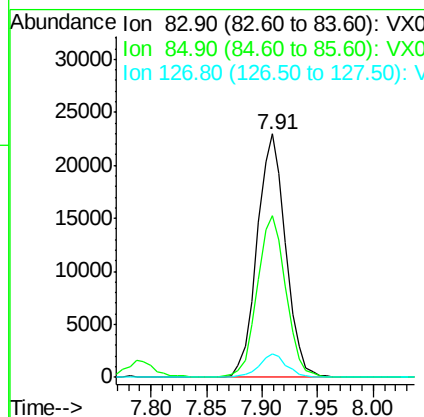
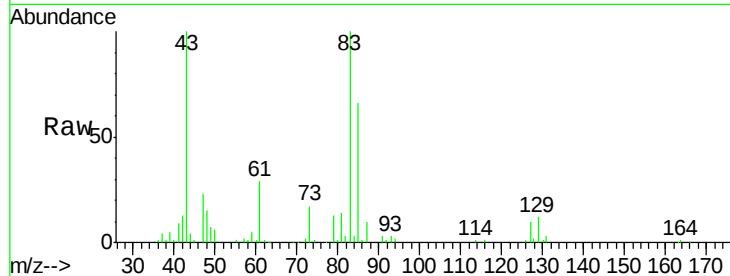
ClientSampleId :

VX0228WBSD01

Tot Ion:	83	Resp:	41076
Ion	Ratio	Lower	Upper
83	100		
85	66.4	50.4	75.6
127	9.5	7.2	10.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.05 ug/l

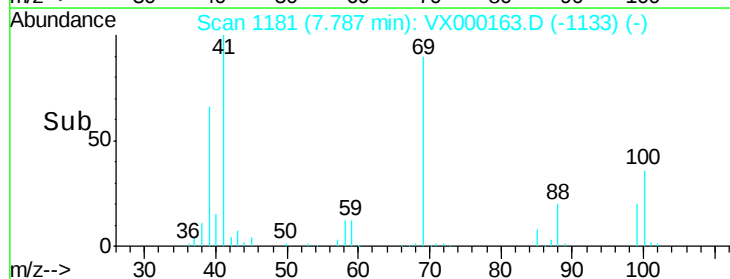
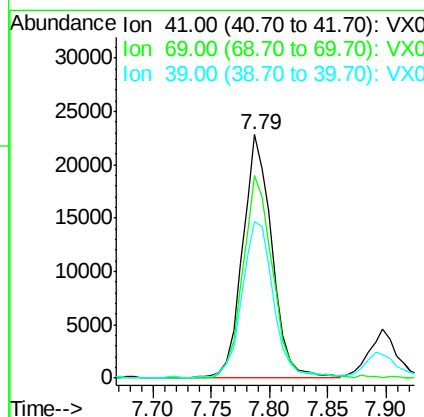
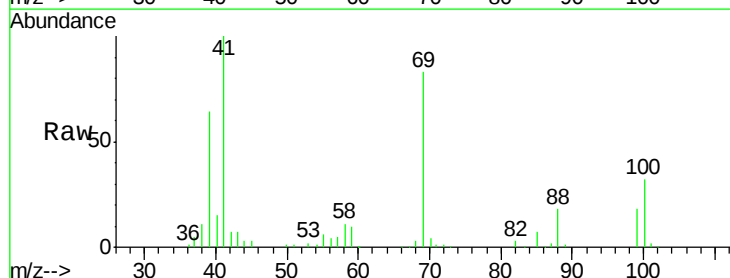
RT: 7.79 min Scan# 1181

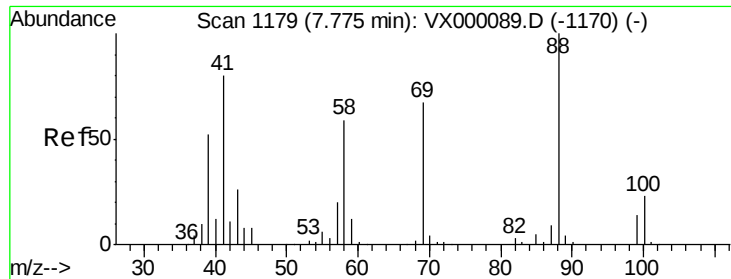
Delta R.T. -0.01 min

Lab File: VX000163.D

Acq: 28 Feb 2018 12:53

Tgt Ion:	41	Resp:	40240
Ion	Ratio	Lower	Upper
41	100		
69	84.3	70.2	105.4
39	67.7	51.0	76.6





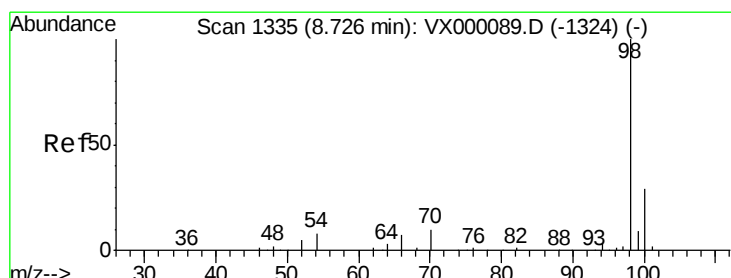
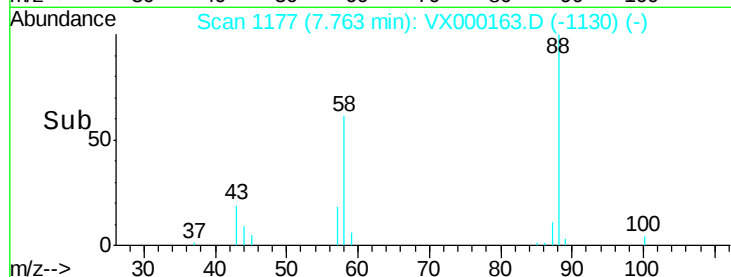
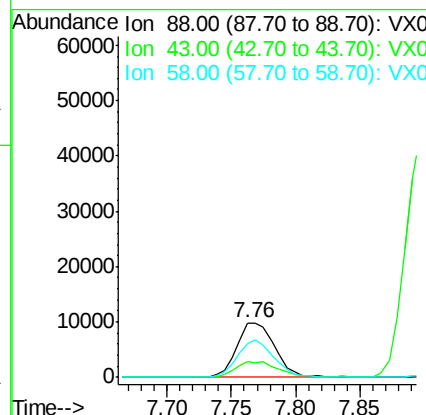
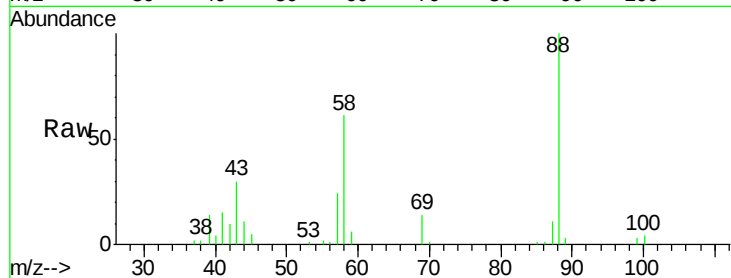
#49
 1,4-Dioxane
 Concen: 401.20 ug/l
 RT: 7.76 min Scan# 1177
 Delta R.T. -0.01 min
 Lab File: VX000163.D
 Acq: 28 Feb 2018 12:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0228WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.4	24.1	36.1
58	66.1	49.0	73.6

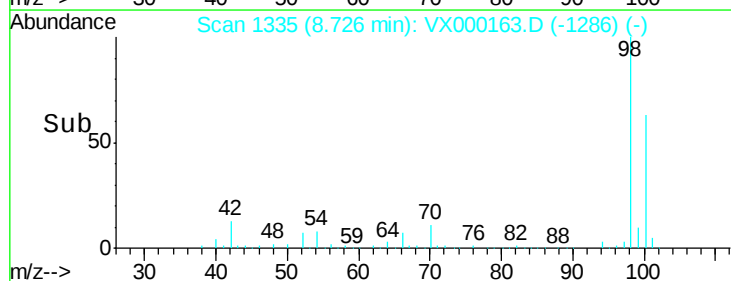
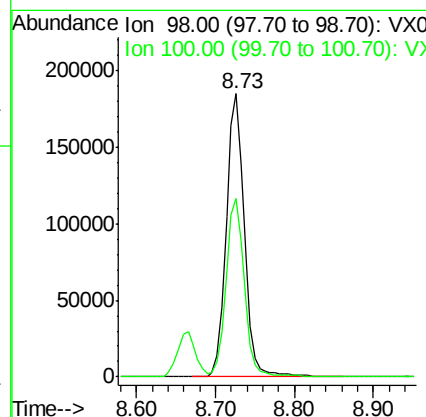
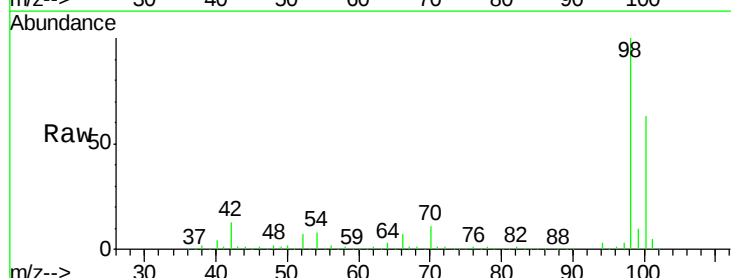
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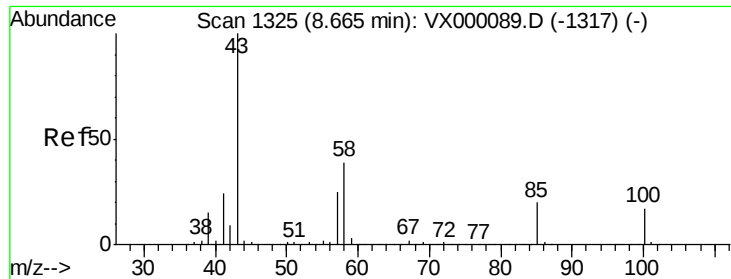
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#50
 Toluene-d8
 Concen: 53.78 ug/l
 RT: 8.73 min Scan# 1335
 Delta R.T. -0.00 min
 Lab File: VX000163.D
 Acq: 28 Feb 2018 12:53

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 111.02 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. -0.01 min

Lab File: VX000163.D

Acq: 28 Feb 2018 12:53

Instrument :

MSVOA_X

ClientSampled :

VX0228WBSD01

Tot Ion: 43 Resp: 316425

Ion Ratio Lower Upper

43 100

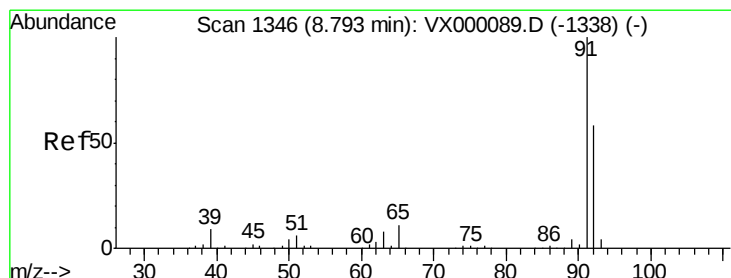
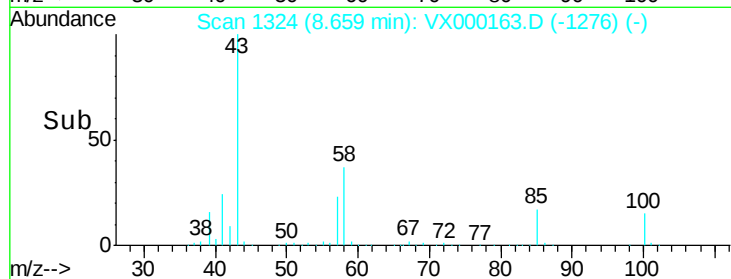
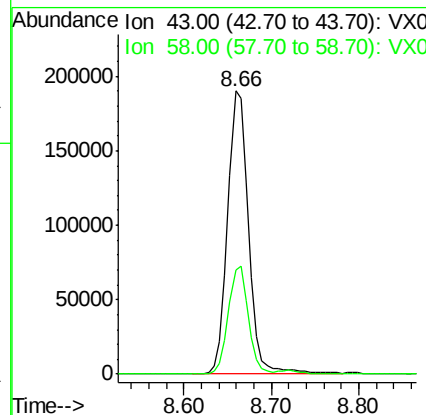
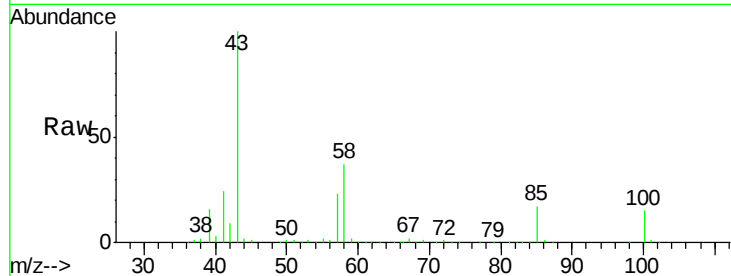
58 36.2 31.6 47.4

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#52

Toluene

Concen: 19.81 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VX000163.D

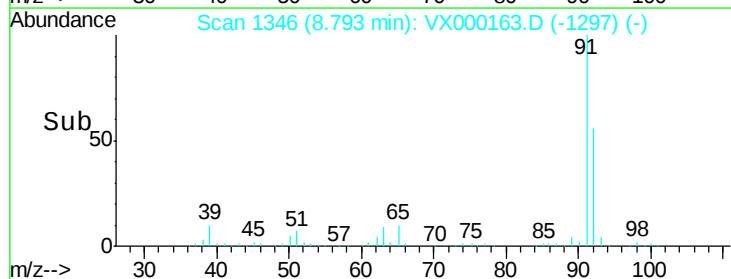
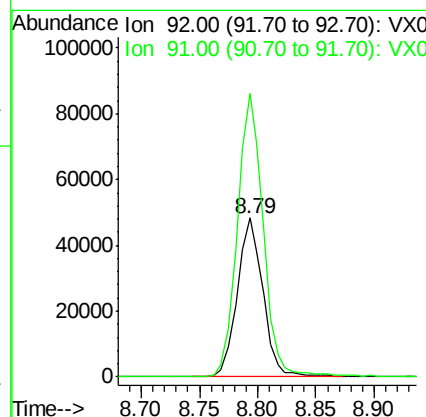
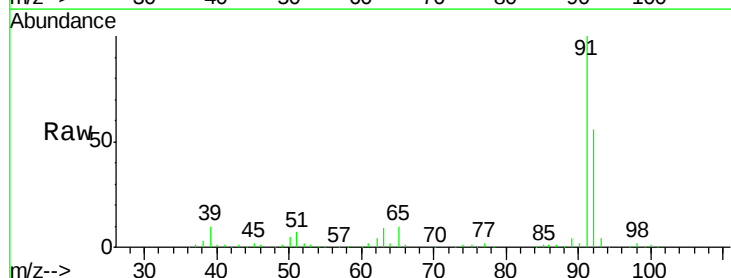
Acq: 28 Feb 2018 12:53

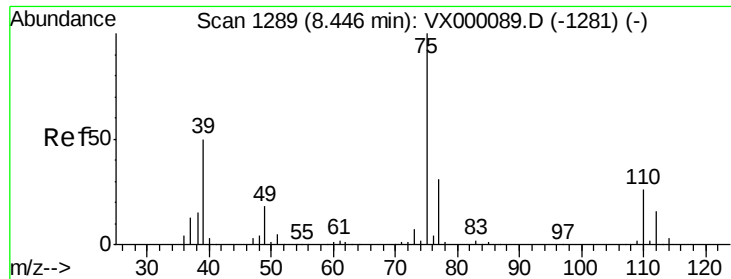
Tgt Ion: 92 Resp: 74402

Ion Ratio Lower Upper

92 100

91 178.5 139.8 209.6





#53

t-1,3-Dichloropropene

Concen: 20.34 ug/l

RT: 8.45 min Scan# 1289

Delta R.T. -0.00 min

Lab File: VX000163.D

Acq: 28 Feb 2018 12:53

Tot Ion: 75 Resp: 47516

Ion Ratio Lower Upper

75 100

77 33.4 25.0 37.6

Instrument :

MSVOA_X

ClientSampled :

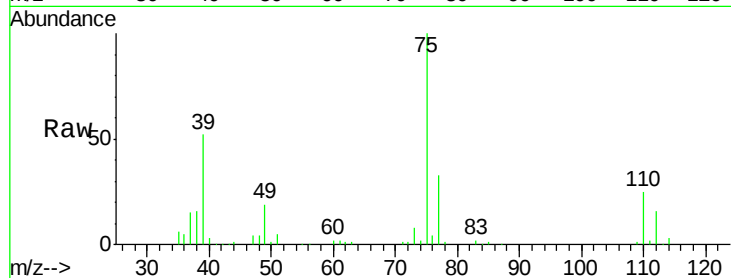
VX0228WBSD01

Manual Integrations

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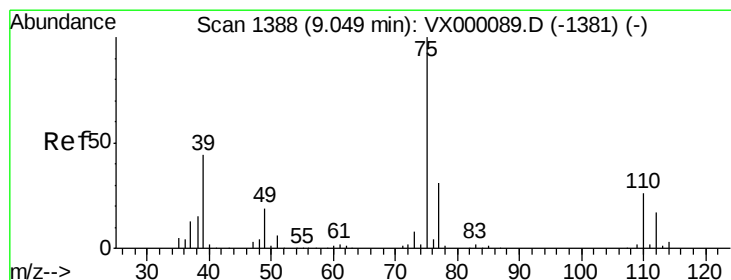
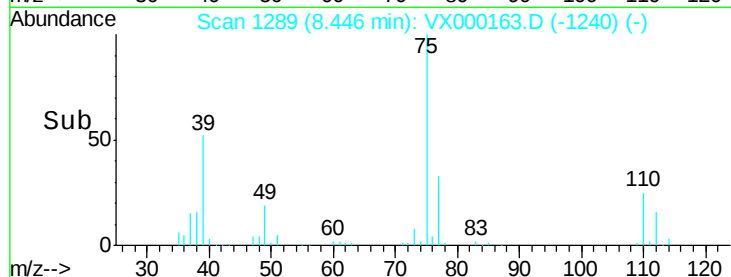
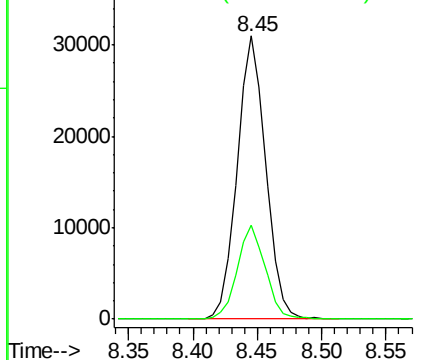
apatel

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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 20.14 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. -0.00 min

Lab File: VX000163.D

Acq: 28 Feb 2018 12:53

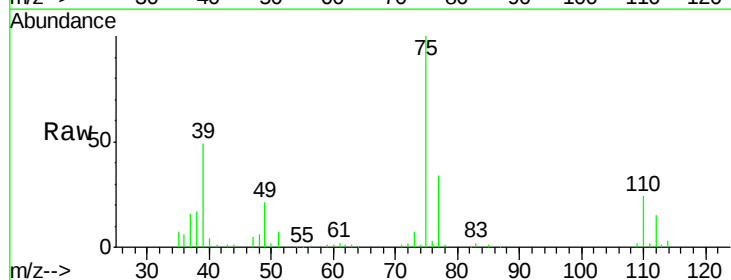
Tgt Ion: 75 Resp: 46712

Ion Ratio Lower Upper

75 100

77 33.8 25.0 37.6

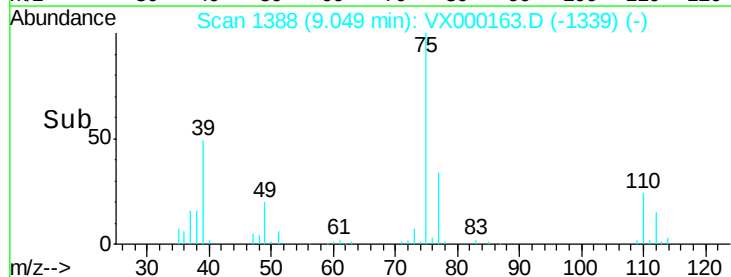
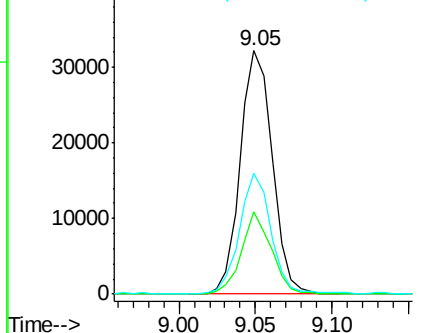
39 49.1 35.4 53.0

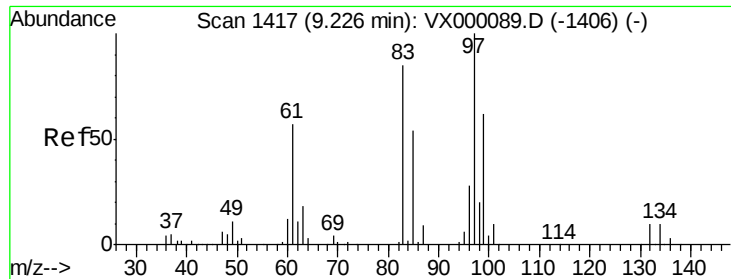


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





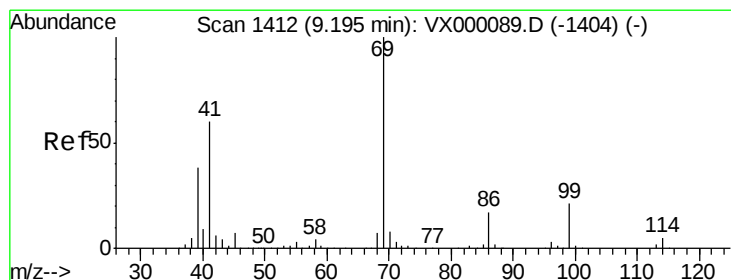
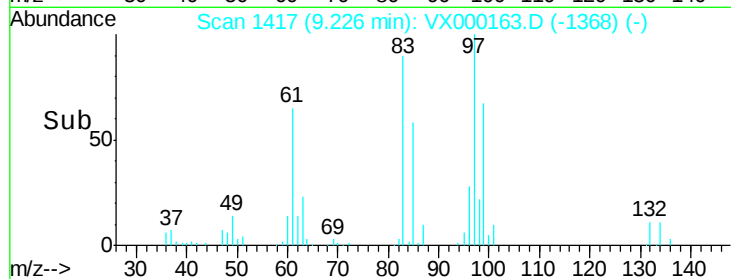
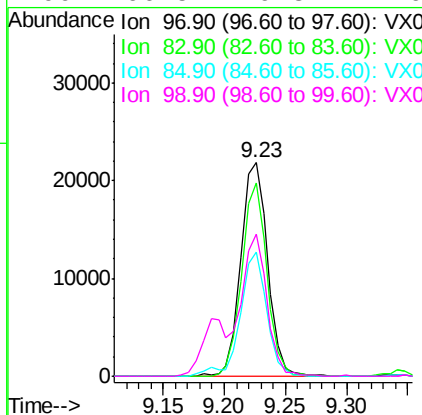
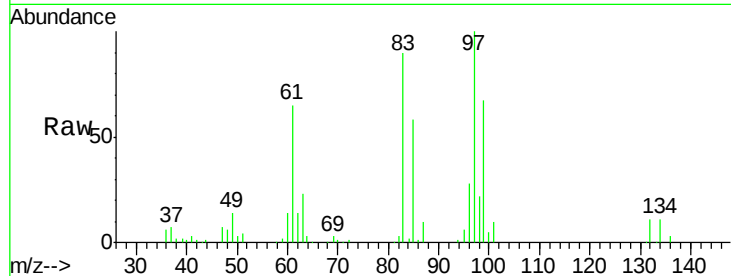
#55
 1,1,2-Trichloroethane
 Concen: 21.36 ug/l
 RT: 9.23 min Scan# 1417
 Delta R.T. -0.00 min
 Lab File: VX000163.D
 Acq: 28 Feb 2018 12:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0228WBSD01

Tot Ion	97	Resp:	33179
Ion	Ratio	Lower	Upper
97	100		
83	90.4	67.6	101.4
85	58.1	42.9	64.3
99	66.5	49.8	74.6

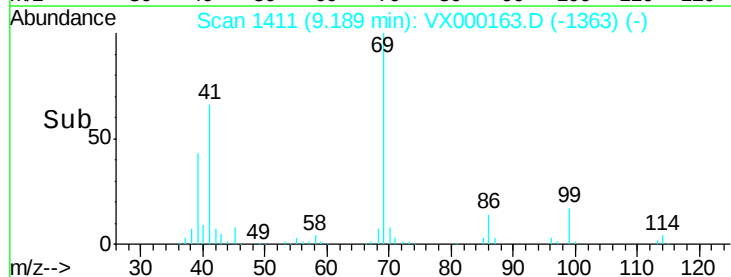
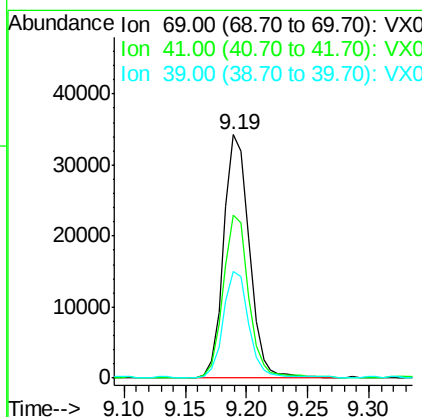
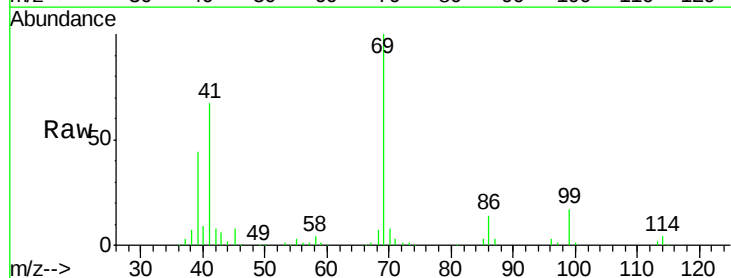
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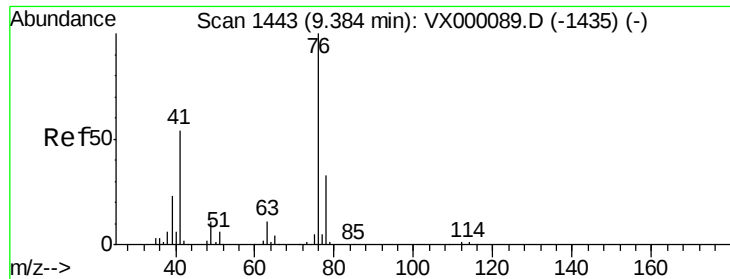
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#56
 Ethyl methacrylate
 Concen: 20.94 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. -0.01 min
 Lab File: VX000163.D
 Acq: 28 Feb 2018 12:53

Tgt Ion	69	Resp:	49929
Ion	Ratio	Lower	Upper
69	100		
41	66.5	49.4	74.0
39	43.1	31.3	46.9





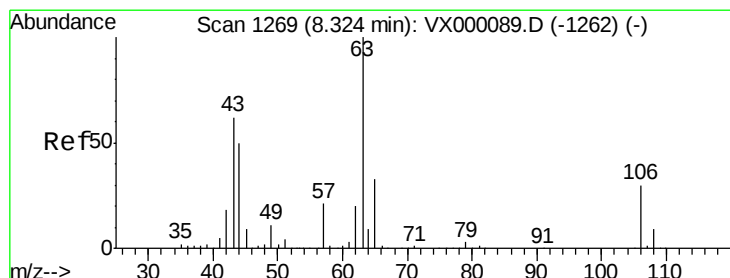
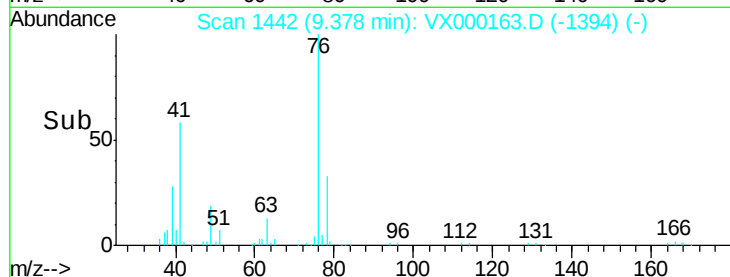
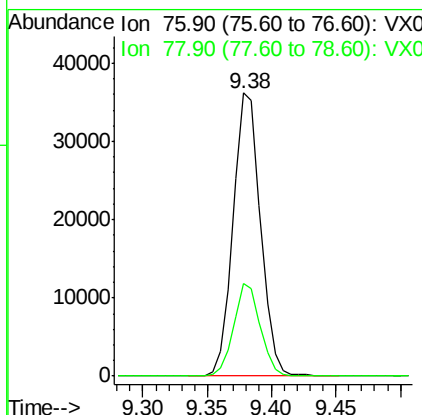
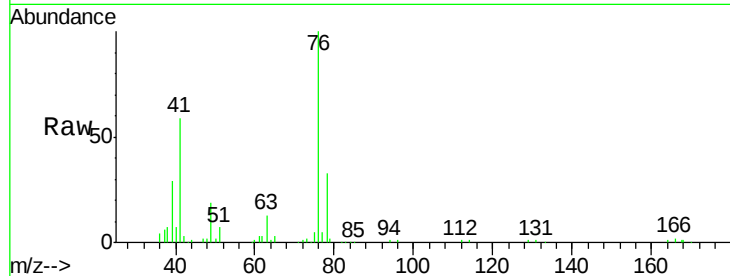
#57
 1,3-Dichloropropane
 Concen: 21.79 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: VX000163.D
 Acq: 28 Feb 2018 12:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0228WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.7	25.8	38.8

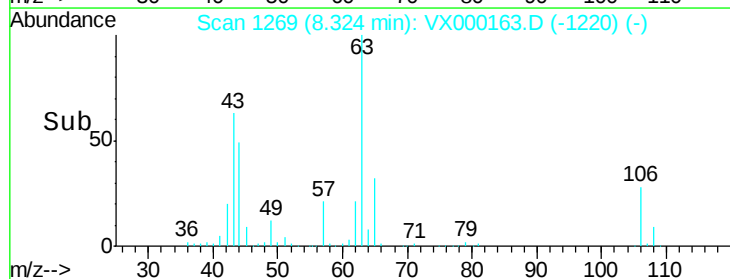
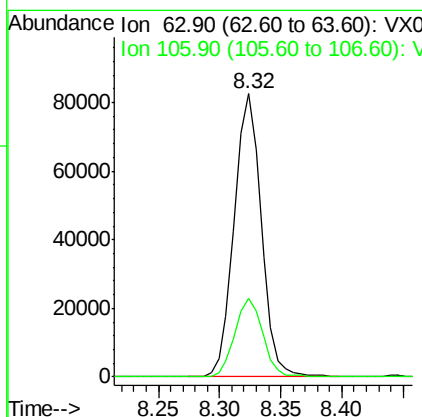
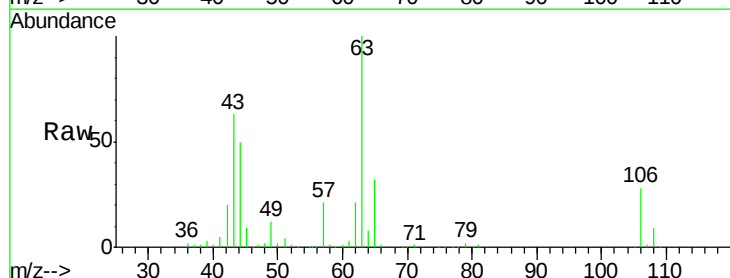
Manual Integrations
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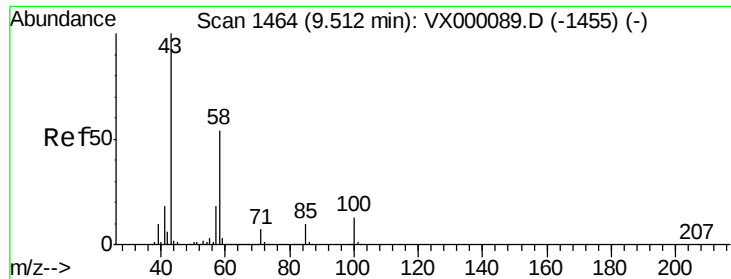
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#58
 2-Chloroethyl Vinyl ether
 Concen: 104.70 ug/l
 RT: 8.32 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VX000163.D
 Acq: 28 Feb 2018 12:53

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.7	24.6	37.0





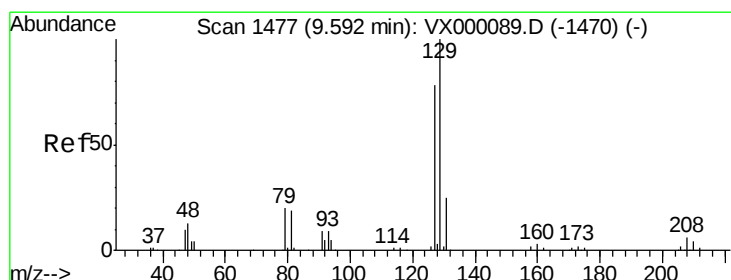
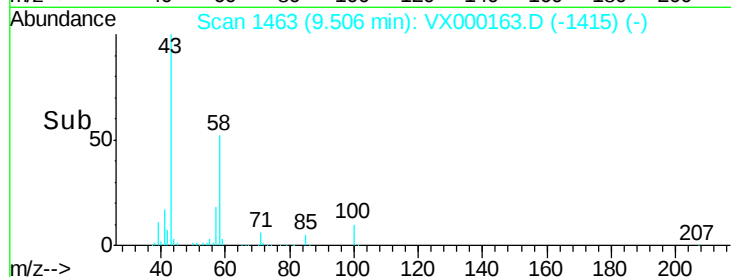
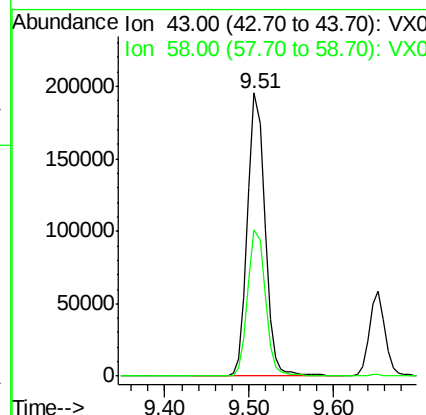
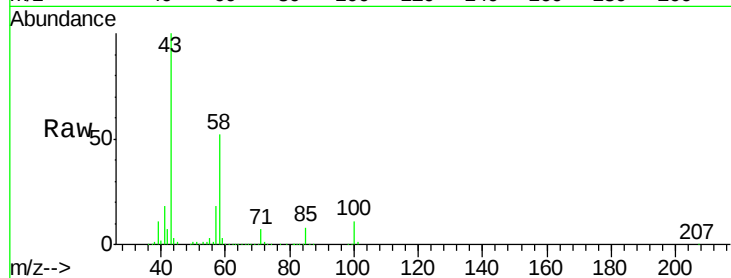
#59
2-Hexanone
Concen: 112.36 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. -0.01 min
Lab File: VX000163.D
Acq: 28 Feb 2018 12:53

Instrument :
MSVOA_X
ClientSampled :
VX0228WBSD01

Tot Ion: 43 Resp: 271143
Ion Ratio Lower Upper
43 100
58 52.3 27.1 81.3

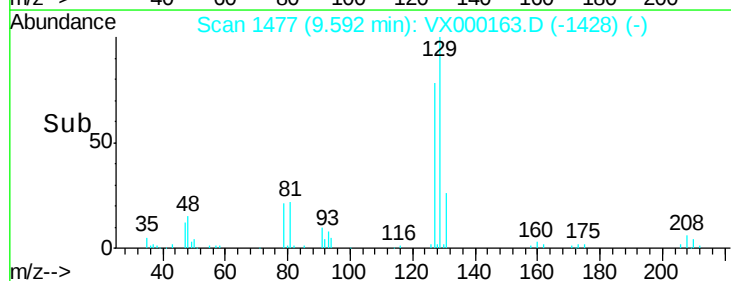
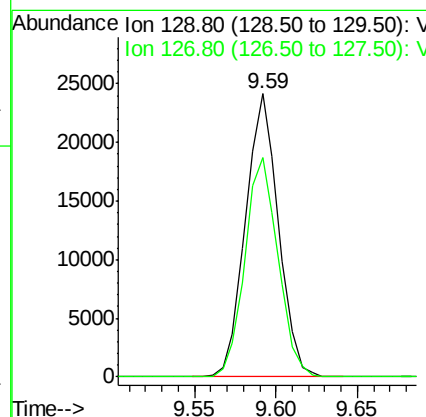
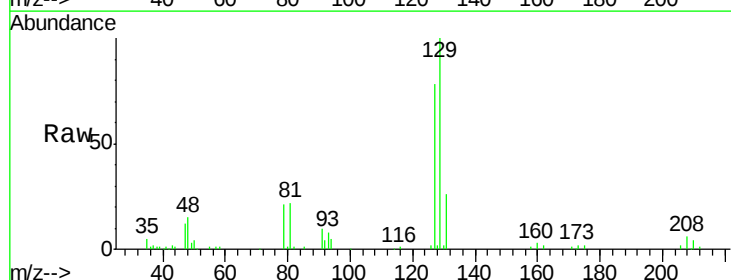
Manual Integrations
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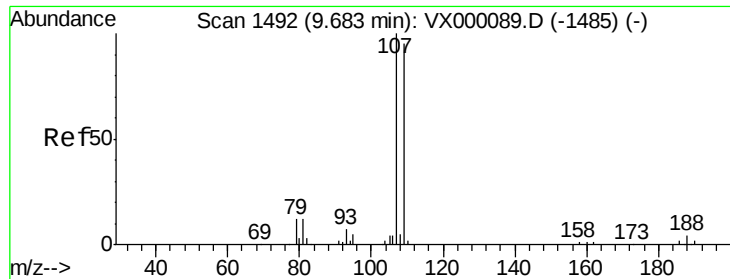
apatel
3/1/2018 12:52:59 PM



#60
Dibromochloromethane
Concen: 19.29 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. -0.00 min
Lab File: VX000163.D
Acq: 28 Feb 2018 12:53

Tgt Ion:129 Resp: 33935
Ion Ratio Lower Upper
129 100
127 77.9 37.6 112.9





#61

1,2-Dibromoethane

Concen: 20.88 ug/l

RT: 9.68 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX000163.D

Acq: 28 Feb 2018 12:53

Instrument :

MSVOA_X

ClientSampleId :

VX0228WBSD01

Tot Ion:107 Resp: 35993

Ion Ratio Lower Upper

107 100

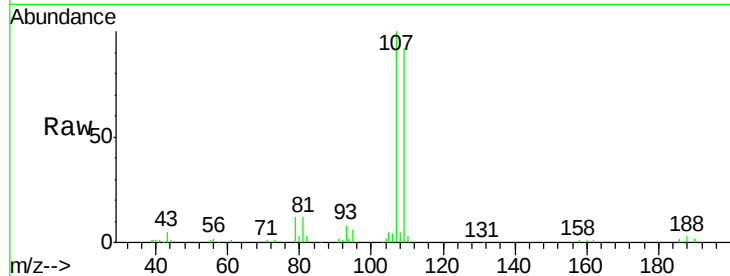
109 92.0 76.4 114.6

Manual Integrations

APPROVED

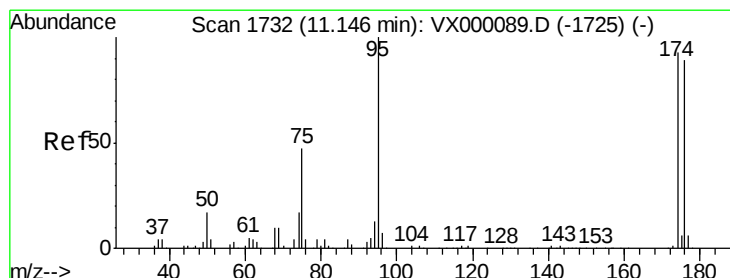
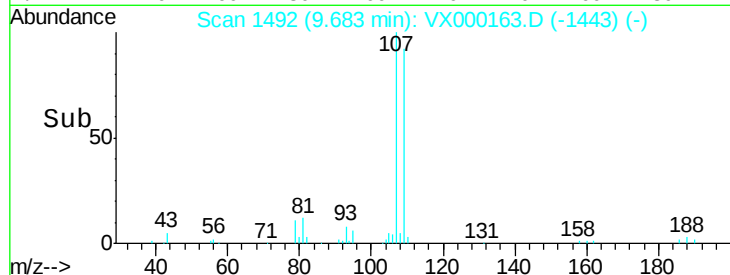
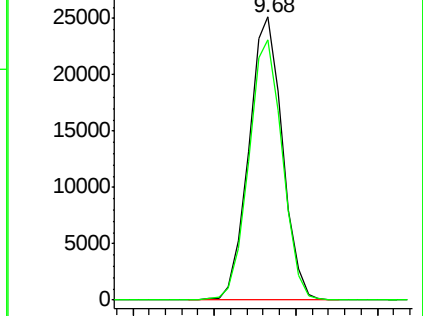
apatel

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 53.94 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VX000163.D

Acq: 28 Feb 2018 12:53

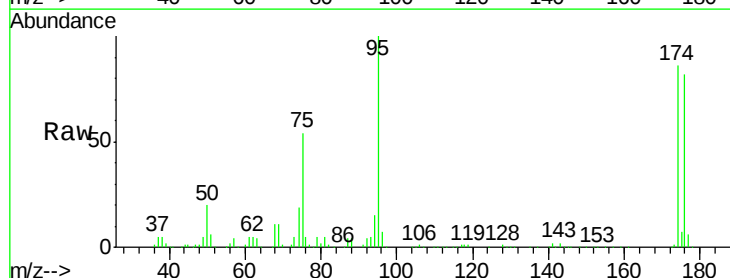
Tgt Ion: 95 Resp: 115472

Ion Ratio Lower Upper

95 100

174 84.5 0.0 187.8

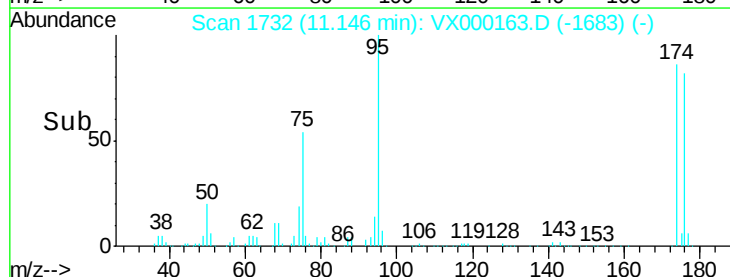
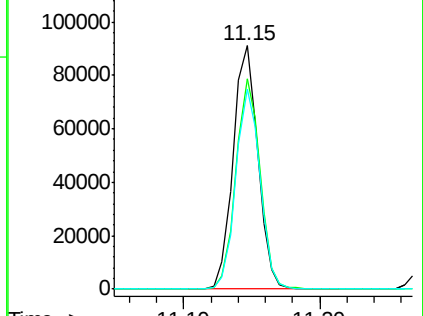
176 80.7 0.0 181.2

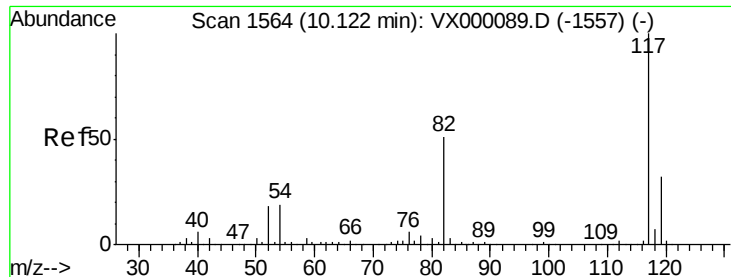


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





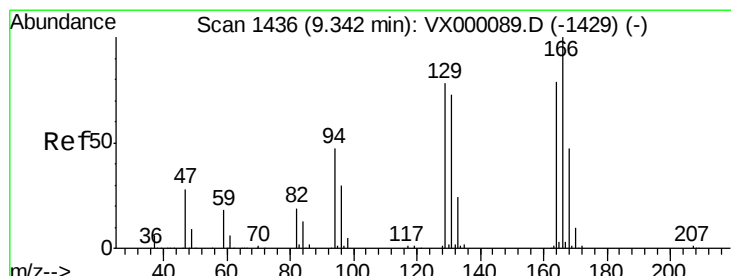
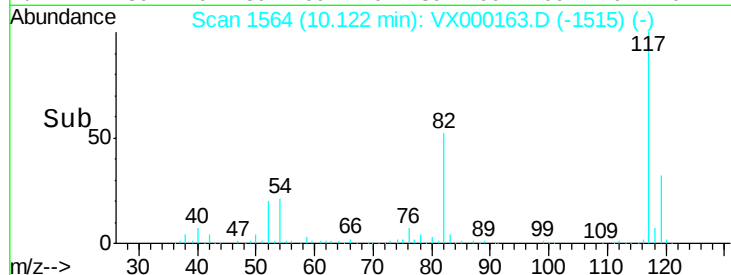
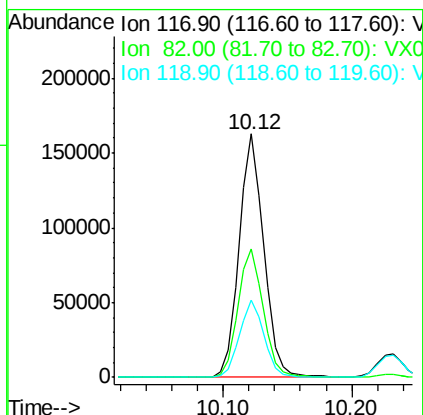
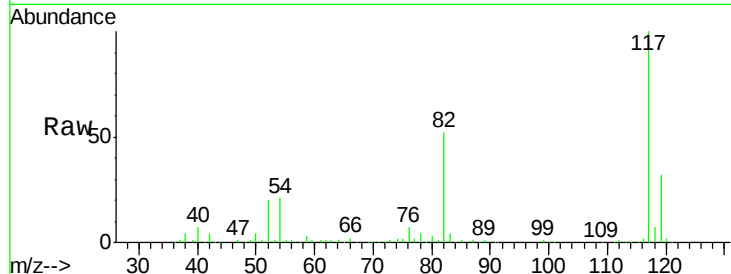
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000163.D
Acq: 28 Feb 2018 12:53

Instrument :
MSVOA_X
ClientSampled :
VX0228WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.5	41.0	61.6
119	31.7	25.5	38.3

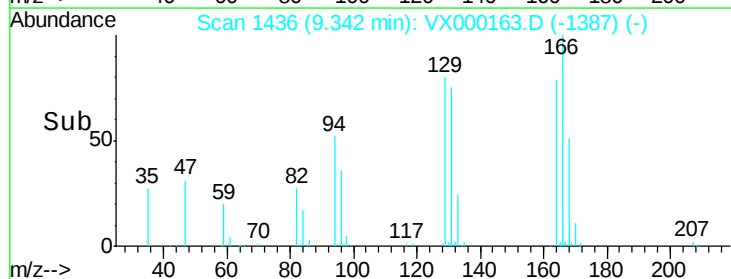
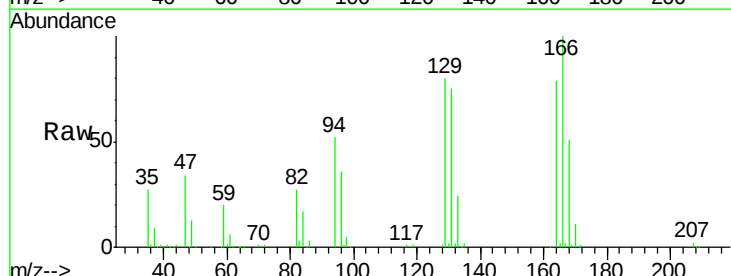
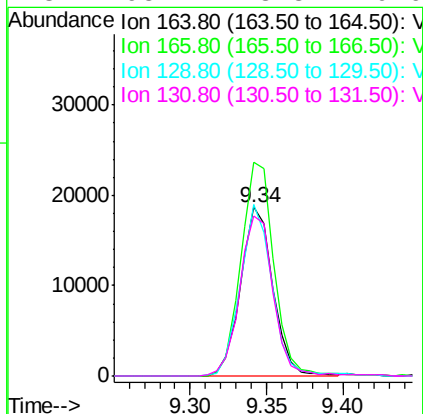
Manual Integrations
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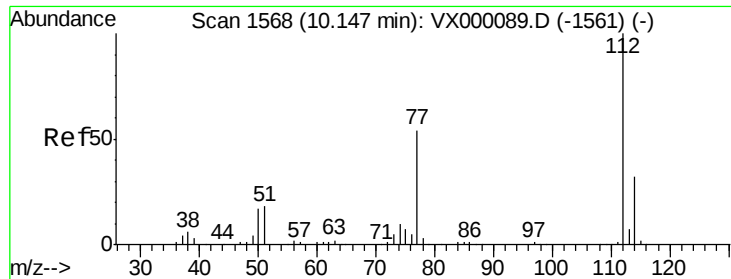
apatel
3/1/2018 12:52:59 PM



#64
Tetrachloroethene
Concen: 17.43 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX000163.D
Acq: 28 Feb 2018 12:53

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.5	101.4	152.2
129	101.2	78.6	118.0
131	95.1	73.8	110.6





#65

Chlorobenzene

Concen: 19.97 ug/l

RT: 10.15 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VX000163.D

Acq: 28 Feb 2018 12:53

Instrument :

MSVOA_X

ClientSampleId :

VX0228WBSD01

Tot Ion:112 Resp: 91139

Ion Ratio Lower Upper

112 100

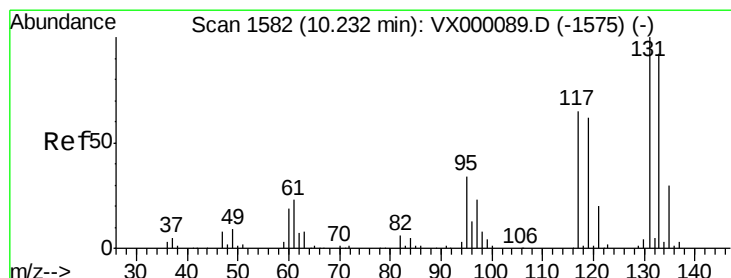
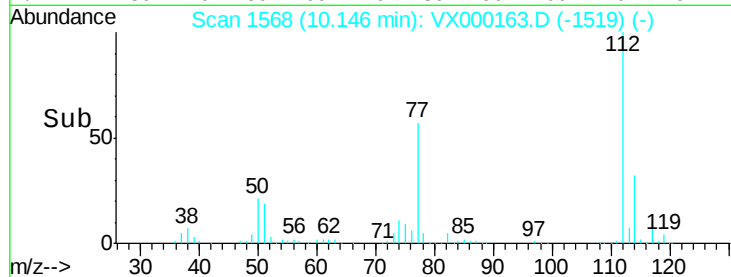
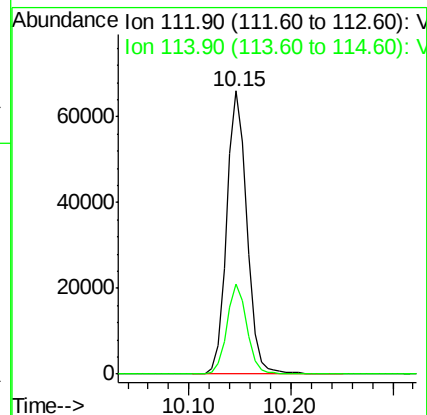
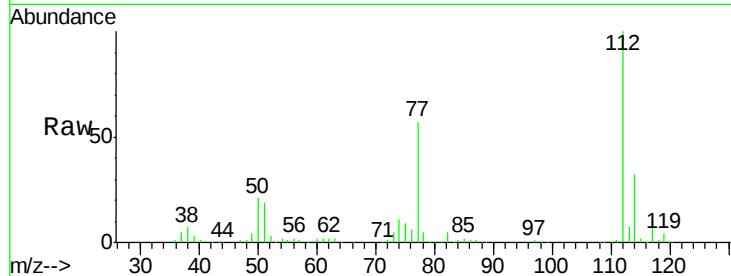
114 31.8 25.6 38.4

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 19.83 ug/l

RT: 10.23 min Scan# 1582

Delta R.T. -0.00 min

Lab File: VX000163.D

Acq: 28 Feb 2018 12:53

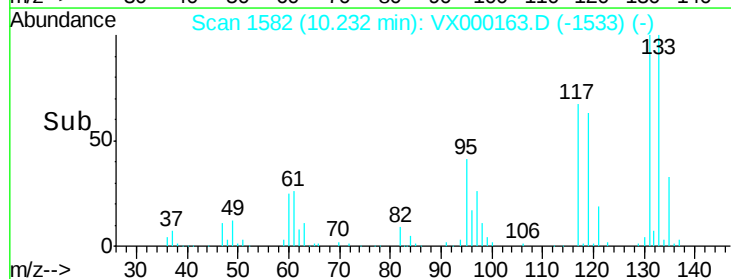
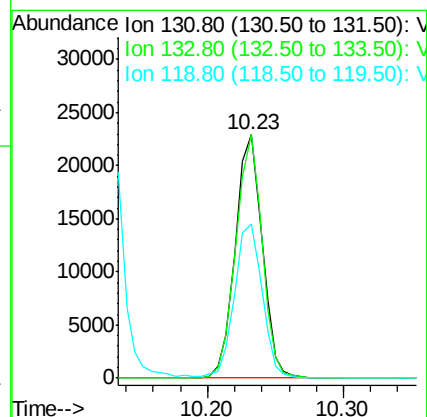
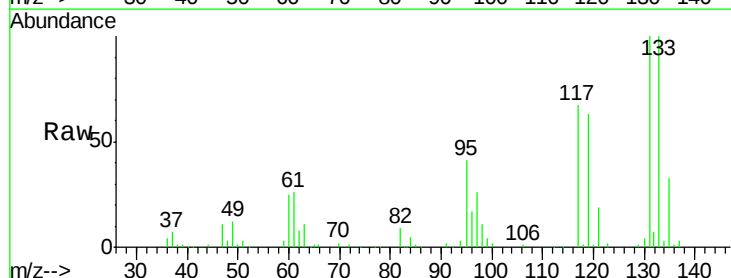
Tgt Ion:131 Resp: 31672

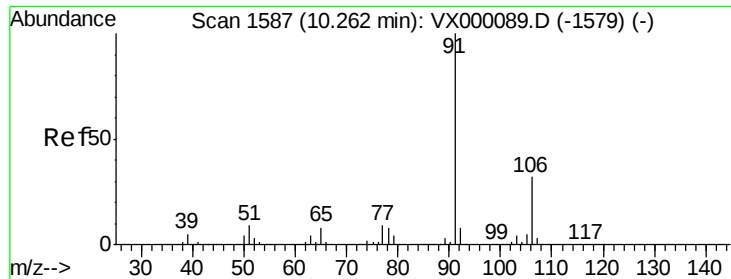
Ion Ratio Lower Upper

131 100

133 97.2 47.4 142.3

119 65.1 31.7 95.1





#67

Ethyl Benzene

Concen: 20.20 ug/l

RT: 10.26 min Scan# 1587

Delta R.T. -0.00 min

Lab File: VX000163.D

Acq: 28 Feb 2018 12:53

Instrument :

MSVOA_X

ClientSampled :

VX0228WBSD01

Tot Ion: 91 Resp: 154721

Ion Ratio Lower Upper

91 100

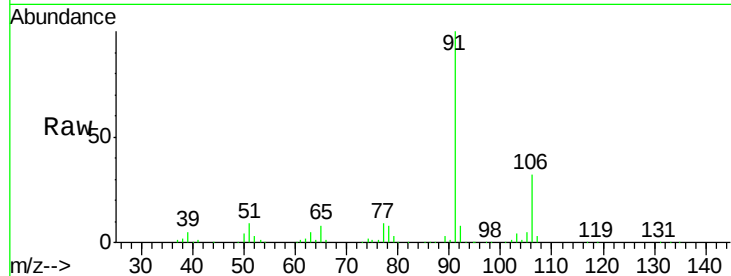
106 32.0 25.8 38.6

Manual Integrations

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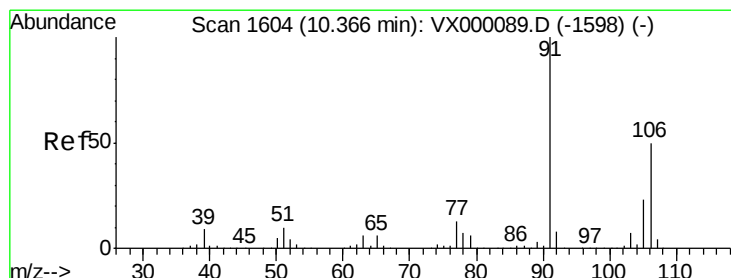
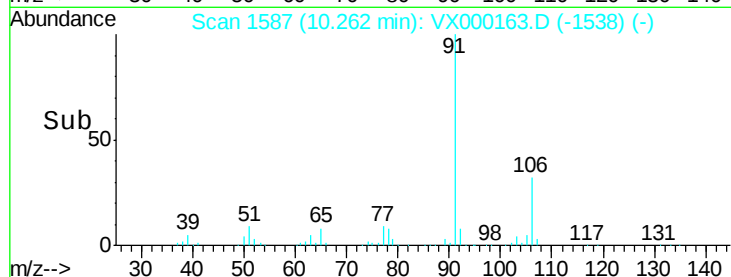
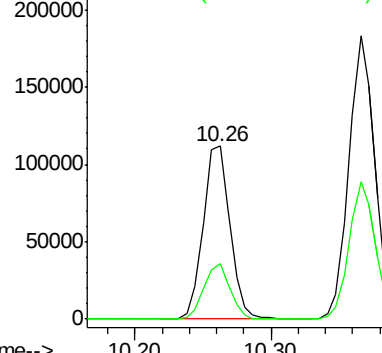
apatel

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 39.31 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VX000163.D

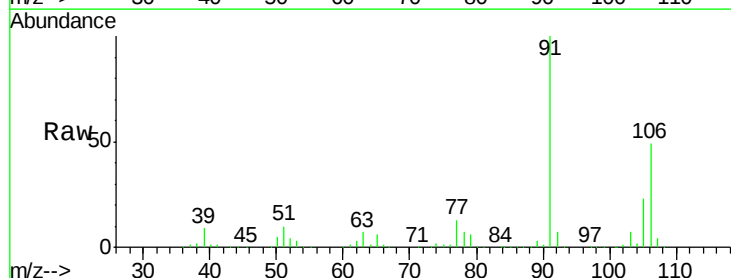
Acq: 28 Feb 2018 12:53

Tgt Ion: 106 Resp: 119241

Ion Ratio Lower Upper

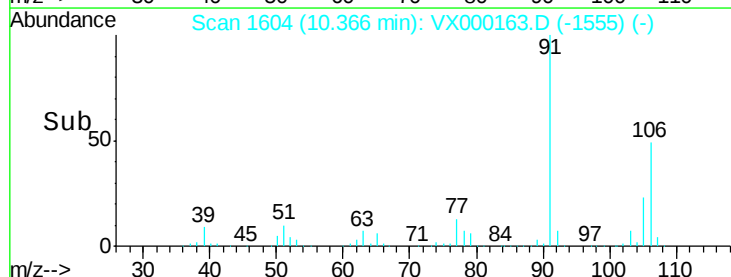
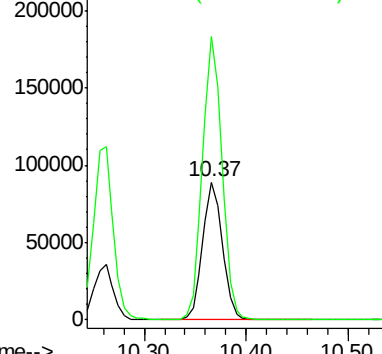
106 100

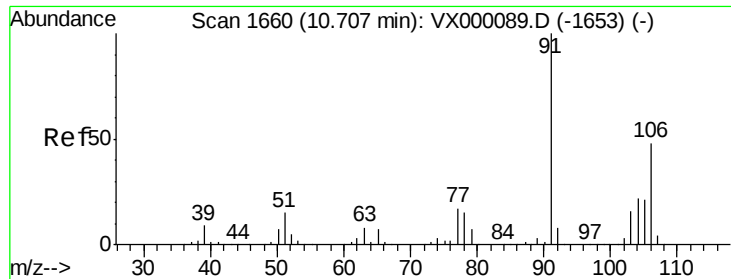
91 202.0 159.1 238.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





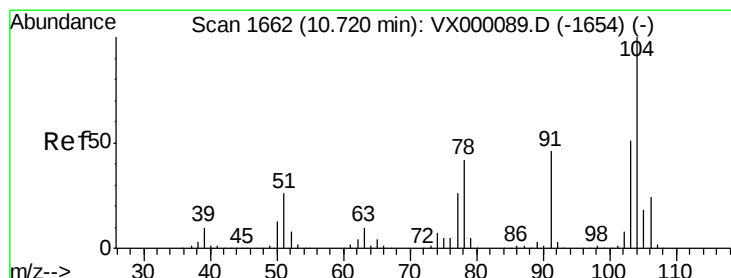
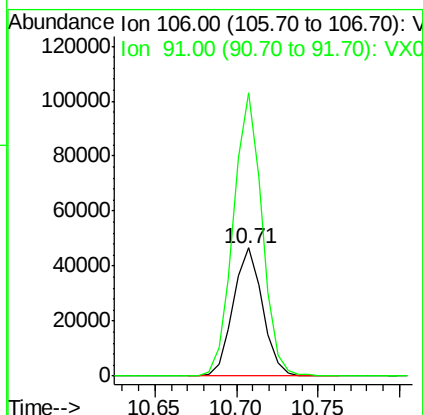
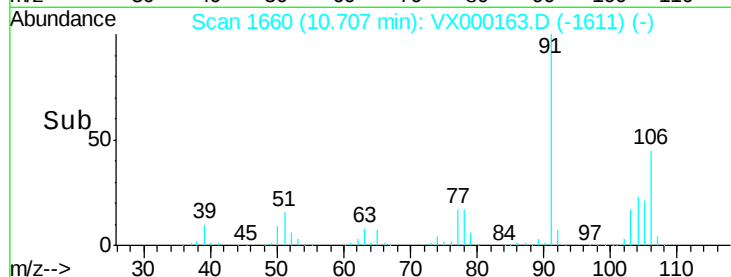
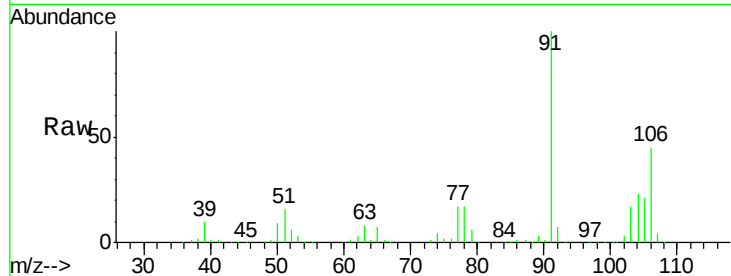
#69
o-Xylene
Concen: 19.99 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX000163.D
Acq: 28 Feb 2018 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBSD01

Tot Ion:106 Resp: 58480
Ion Ratio Lower Upper
106 100
91 214.8 103.8 311.6

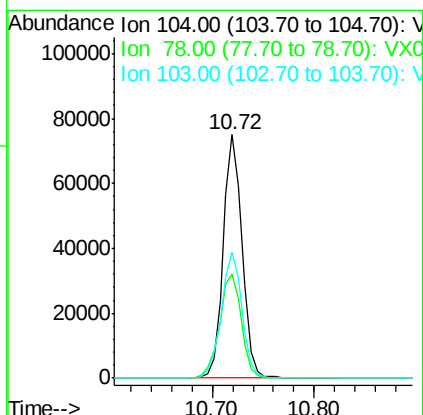
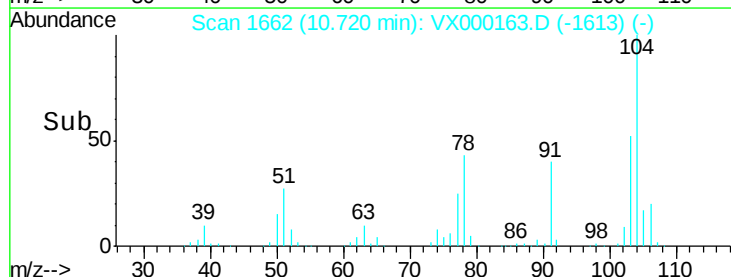
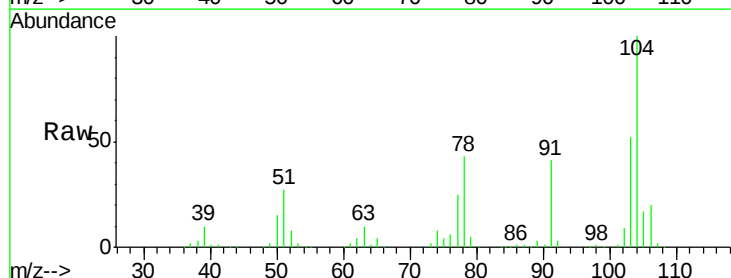
Manual Integrations
APPROVED

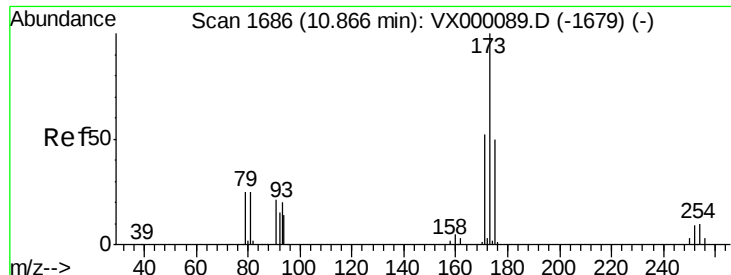
apatel
3/1/2018 12:52:59 PM



#70
Styrene
Concen: 20.15 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX000163.D
Acq: 28 Feb 2018 12:53

Tgt Ion:104 Resp: 96412
Ion Ratio Lower Upper
104 100
78 49.4 38.2 57.4
103 56.9 44.2 66.4





#71

Bromoform

Concen: 17.72 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VX000163.D

Acq: 28 Feb 2018 12:53

Instrument :

MSVOA_X

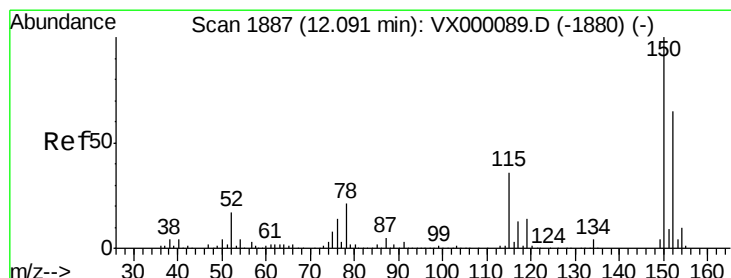
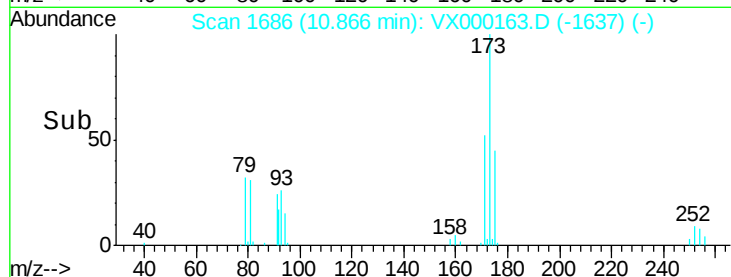
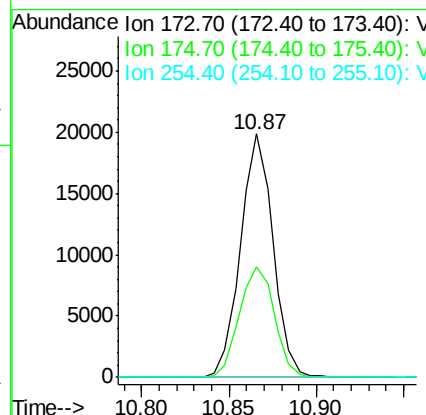
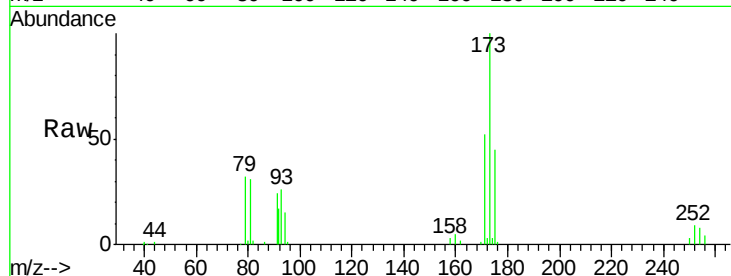
ClientSampled :

VX0228WBSD01

Tot Ion:	173	Resp:	25693
Ion Ratio	Lower	Upper	
173	100		
175	48.9	24.3	73.0
254	0.0	0.0	0.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

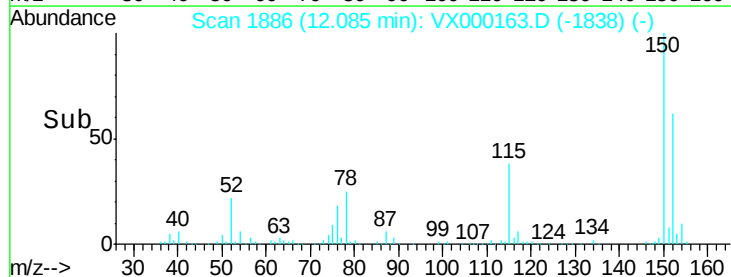
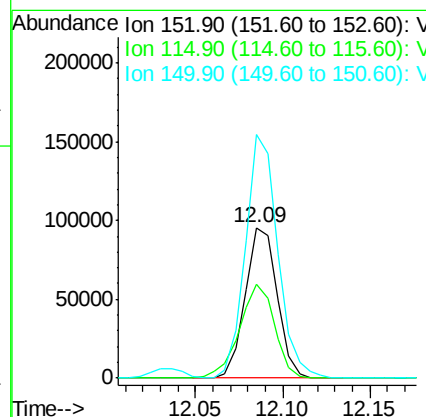
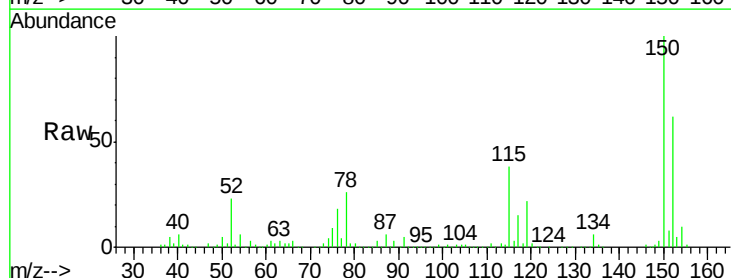
RT: 12.09 min Scan# 1886

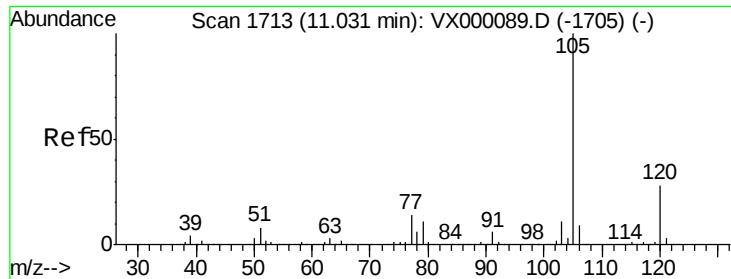
Delta R.T. -0.01 min

Lab File: VX000163.D

Acq: 28 Feb 2018 12:53

Tgt Ion:	152	Resp:	120861
Ion Ratio	Lower	Upper	
152	100		
115	68.6	39.1	117.2
150	164.5	0.0	348.2





#73

Isopropylbenzene

Concen: 20.90 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.01 min

Lab File: VX000163.D

Acq: 28 Feb 2018 12:53

Instrument :

MSVOA_X

ClientSampleId :

VX0228WBSD01

Tot Ion: 105 Resp: 160120

Ion Ratio Lower Upper

105 100

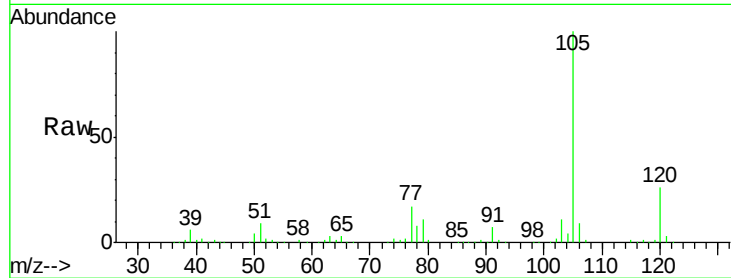
120 26.4 14.0 42.0

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.02

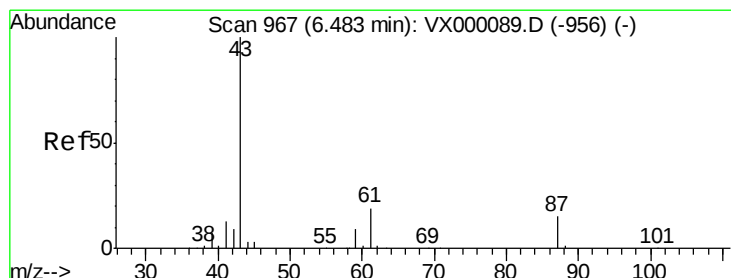
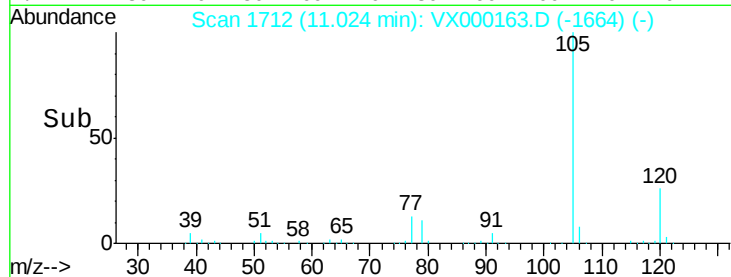
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 21.70 ug/l

RT: 6.48 min Scan# 967

Delta R.T. -0.00 min

Lab File: VX000163.D

Acq: 28 Feb 2018 12:53

Tgt Ion: 43 Resp: 83959

Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.1 0.1#

61 18.1 15.6 23.4

Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

6.48

50000

40000

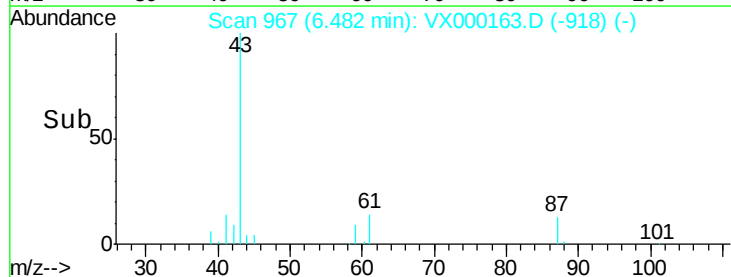
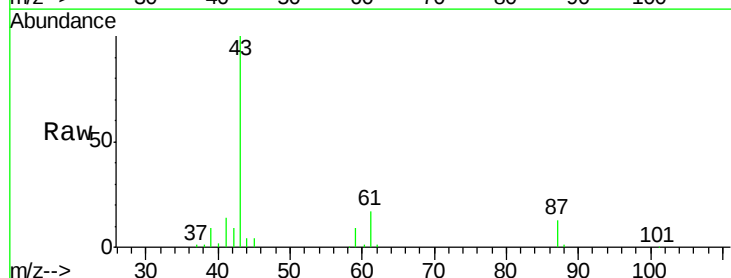
30000

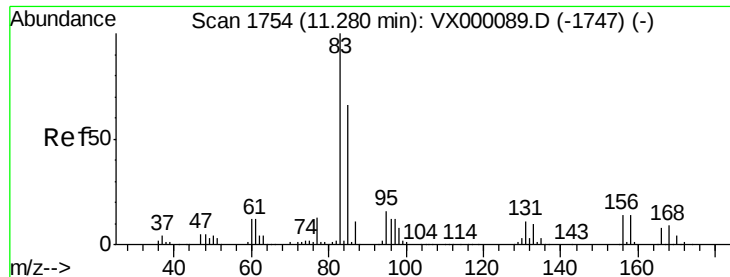
20000

10000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.75 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.01 min

Lab File: VX000163.D

Acq: 28 Feb 2018 12:53

Instrument :

MSVOA_X

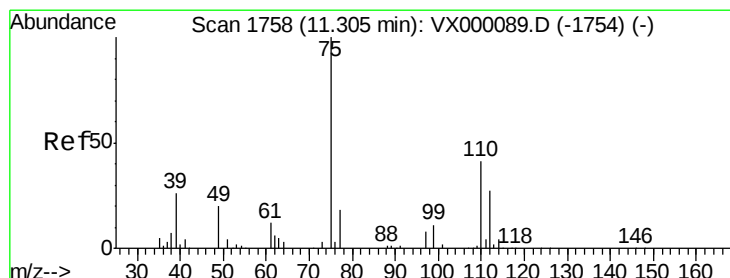
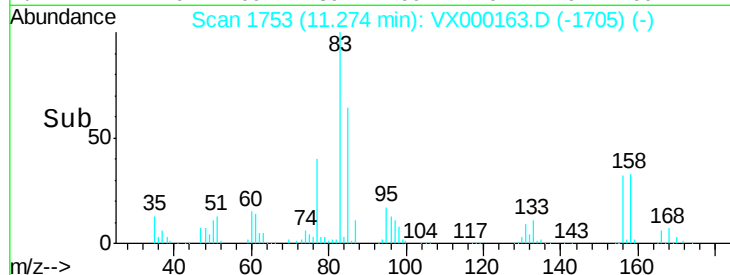
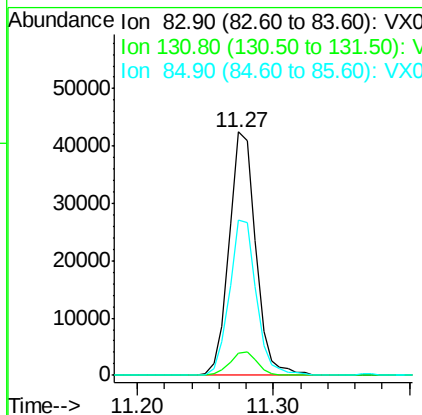
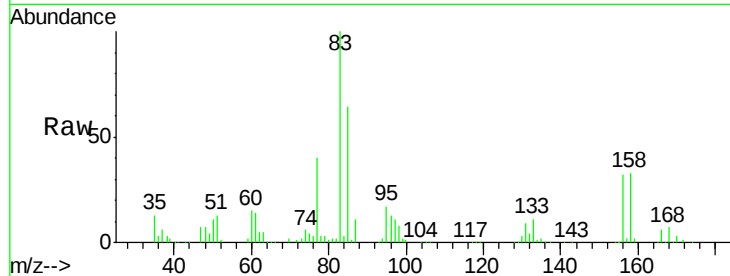
ClientSampled :

VX0228WBSD01

Tot Ion:	83	Resp:	58027
Ion Ratio	Lower	Upper	
83	100		
131	9.7	5.6	16.8
85	64.4	32.3	96.8

Manual Integrations
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3/1/2018 12:52:59 PM



#76

1,2,3-Trichloropropane

Concen: 21.45 ug/l m

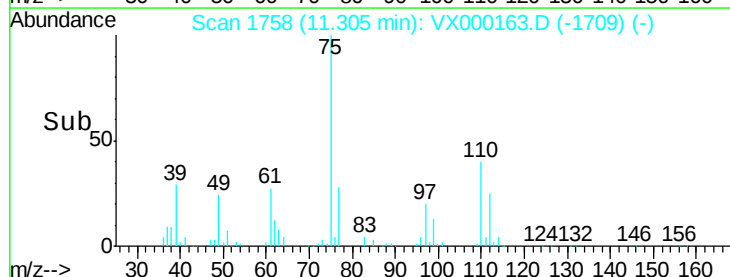
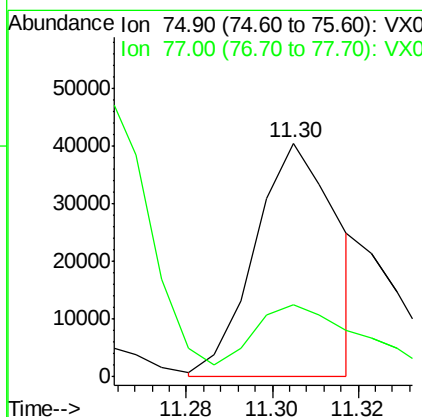
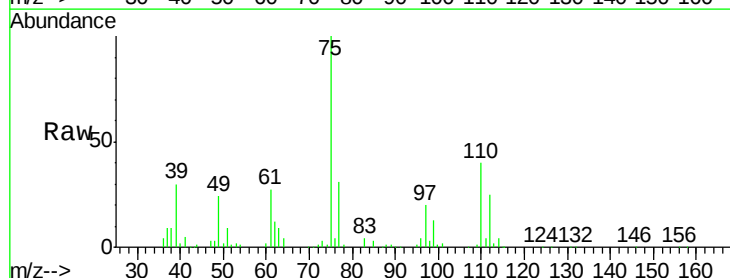
RT: 11.30 min Scan# 1758

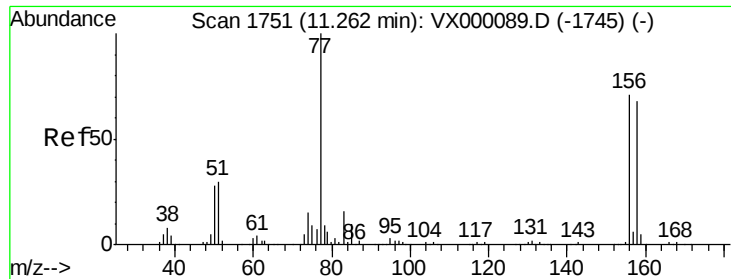
Delta R.T. -0.00 min

Lab File: VX000163.D

Acq: 28 Feb 2018 12:53

Tgt Ion:	75	Resp:	53707
Ion Ratio	Lower	Upper	
75	100		
77	42.0	22.8	68.3





#77

Bromobenzene

Concen: 19.11 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX000163.D

Acq: 28 Feb 2018 12:53

Instrument :

MSVOA_X

ClientSampleId :

VX0228WBSD01

Tot Ion:156 Resp: 39676

Ion Ratio Lower Upper

156 100

77 155.5 67.0 201.0

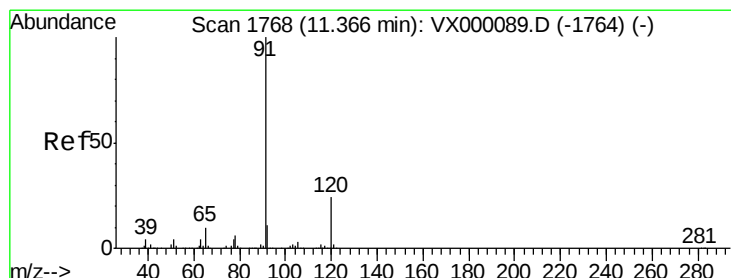
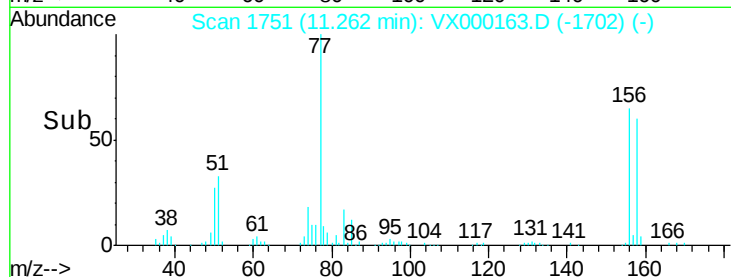
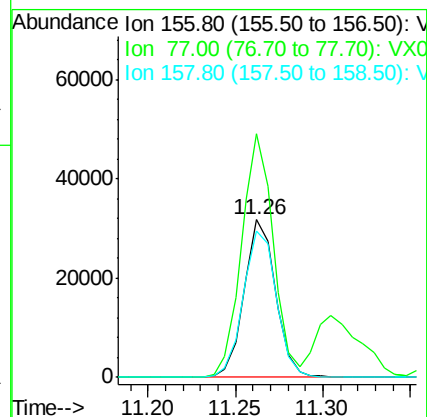
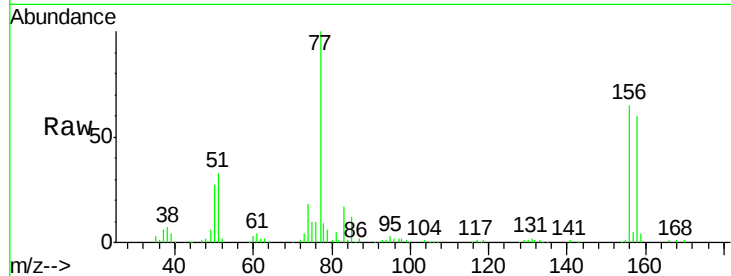
158 98.1 48.3 144.9

Manual Integrations

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#78

n-propylbenzene

Concen: 20.62 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX000163.D

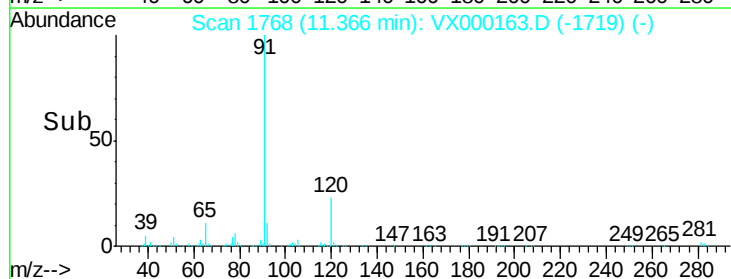
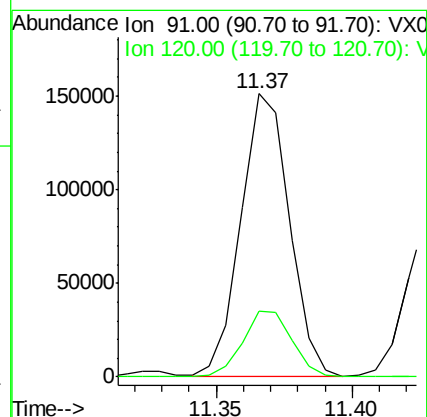
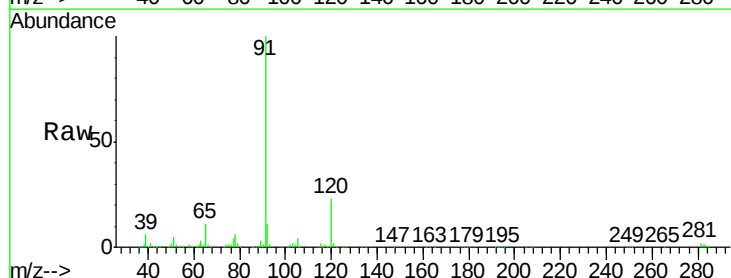
Acq: 28 Feb 2018 12:53

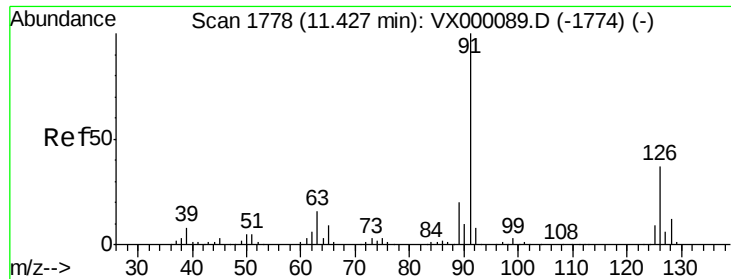
Tgt Ion: 91 Resp: 186171

Ion Ratio Lower Upper

91 100

120 23.7 12.3 36.9





#79

2-Chlorotoluene

Concen: 20.92 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX000163.D

Acq: 28 Feb 2018 12:53

Instrument :

MSVOA_X

ClientSampleId :

VX0228WBSD01

Tot Ion: 91 Resp: 108113

Ion Ratio Lower Upper

91 100

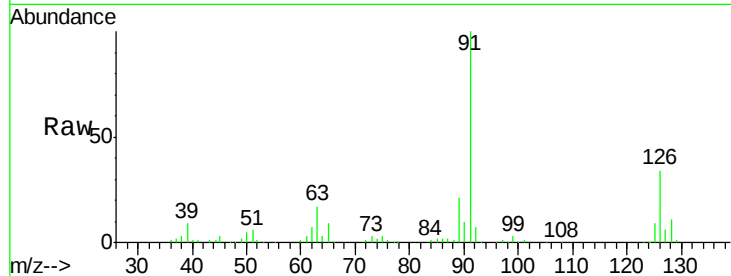
126 35.4 18.4 55.2

Manual Integrations

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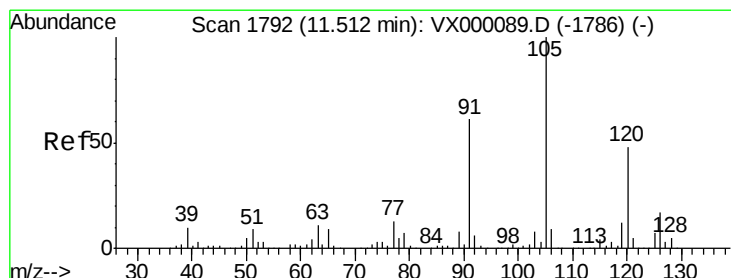
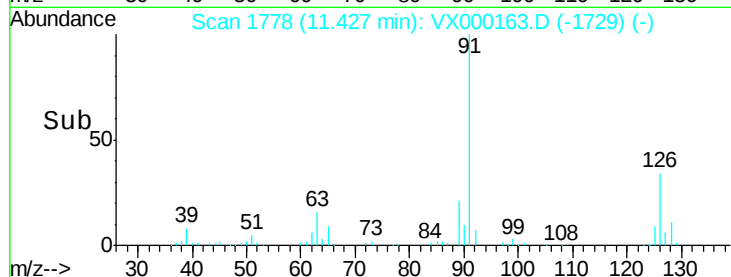
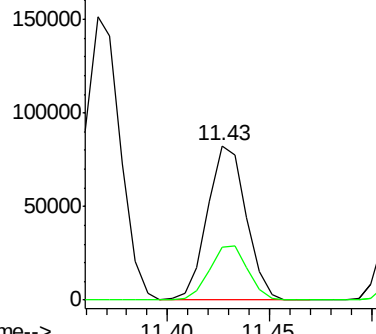
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.69 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX000163.D

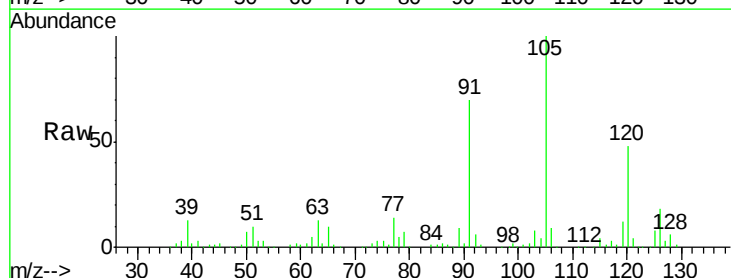
Acq: 28 Feb 2018 12:53

Tgt Ion: 105 Resp: 134015

Ion Ratio Lower Upper

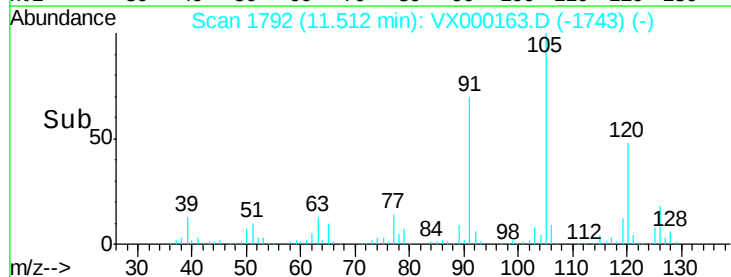
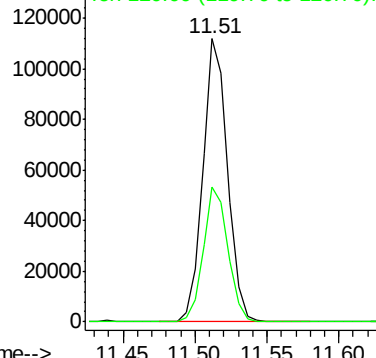
105 100

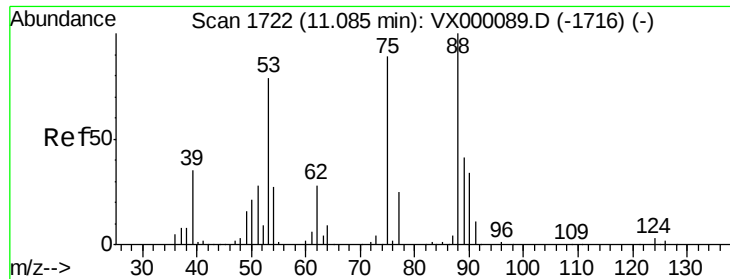
120 47.7 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





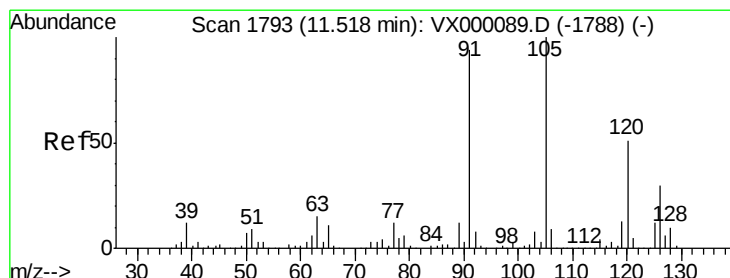
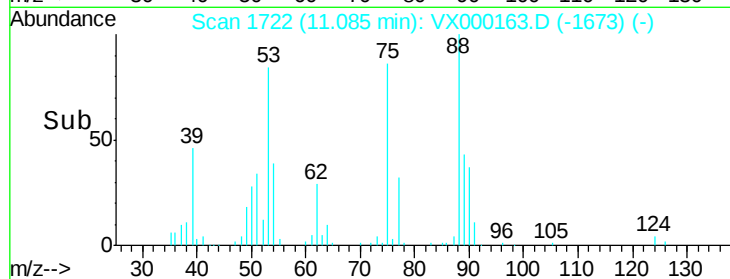
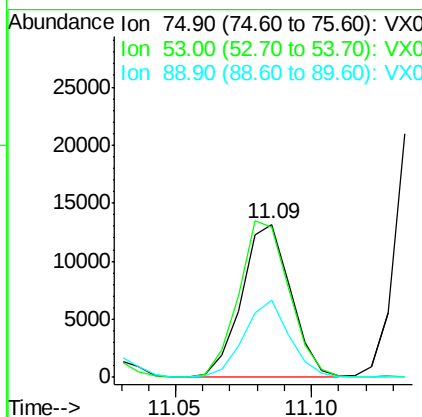
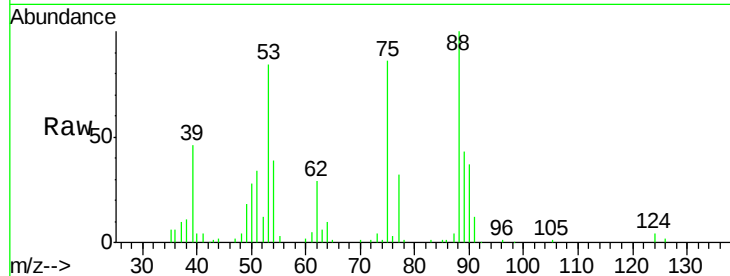
#81
trans-1,4-Dichloro-2-butene
Concen: 18.88 ug/l
RT: 11.09 min Scan# 1722
Delta R.T. -0.00 min
Lab File: VX000163.D
Acq: 28 Feb 2018 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	105.2	72.3	108.5
89	46.6	40.6	60.8

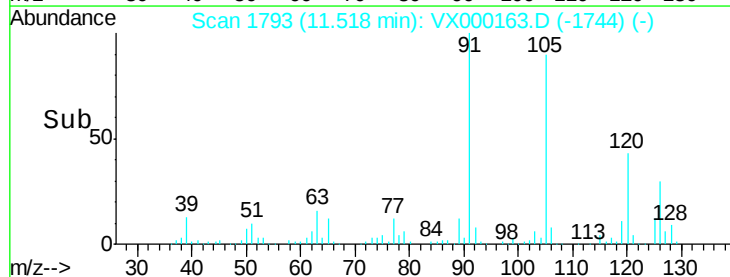
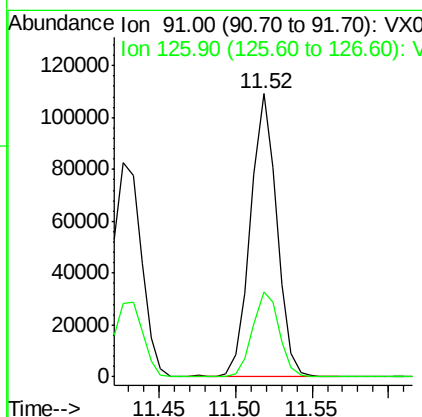
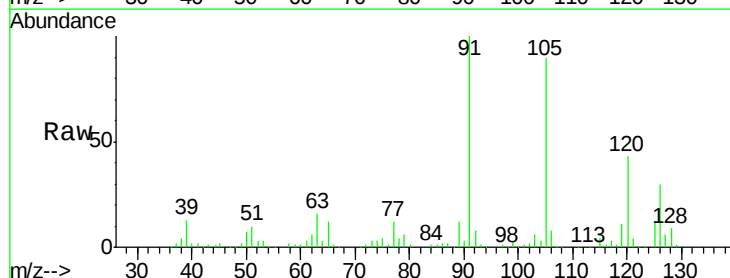
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#82
4-Chlorotoluene
Concen: 20.93 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VX000163.D
Acq: 28 Feb 2018 12:53

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.6	16.7	50.0





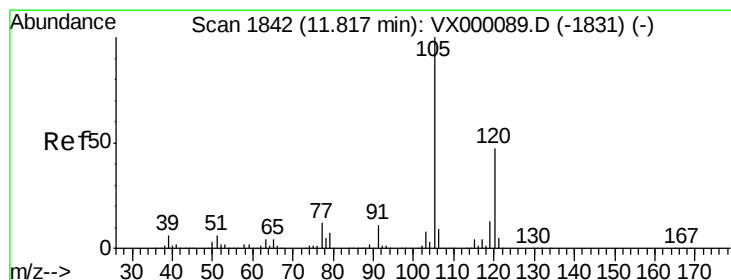
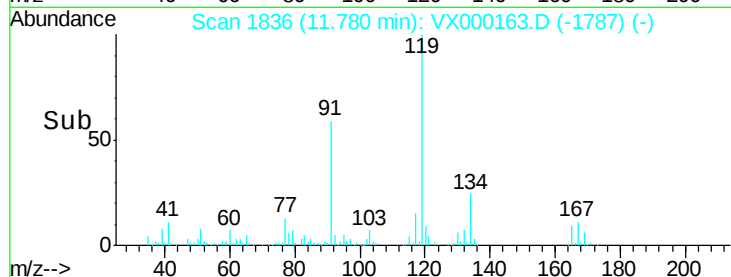
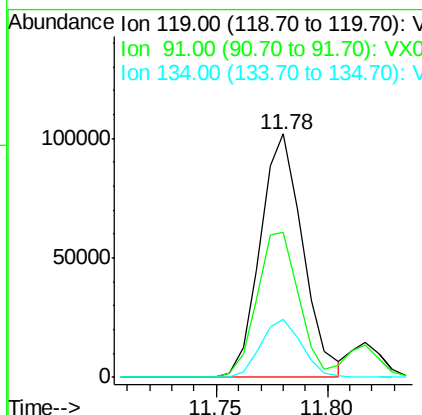
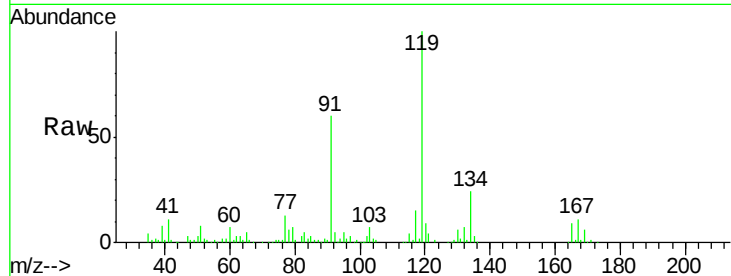
#83
 tert-Butylbenzene
 Concen: 20.76 ug/l
 RT: 11.78 min Scan# 1836
 Delta R.T. -0.00 min
 Lab File: VX000163.D
 Acq: 28 Feb 2018 12:53

Instrument :
 MSVOA_X
 ClientSampled :
 VX0228WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	135750		
91	58.5	28.4	85.2	
134	22.9	11.8	35.4	

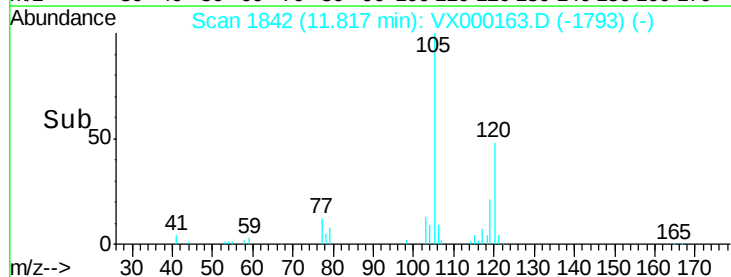
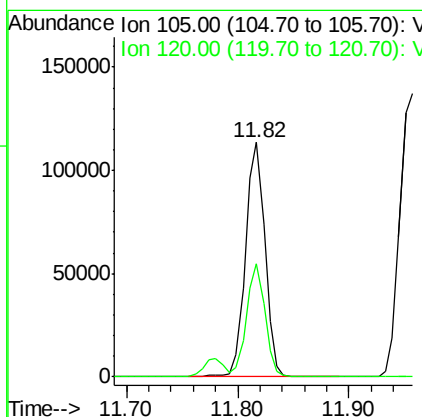
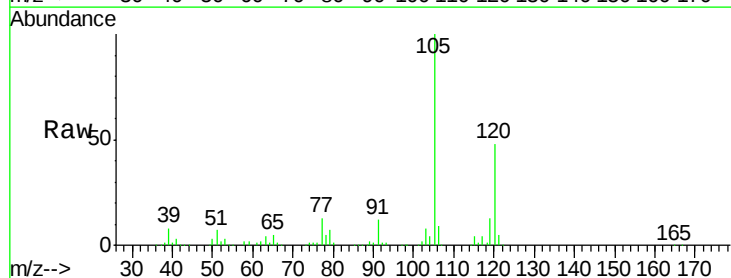
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.50 ug/l
 RT: 11.82 min Scan# 1842
 Delta R.T. -0.00 min
 Lab File: VX000163.D
 Acq: 28 Feb 2018 12:53

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	137840		
120	45.5	23.1	69.2	





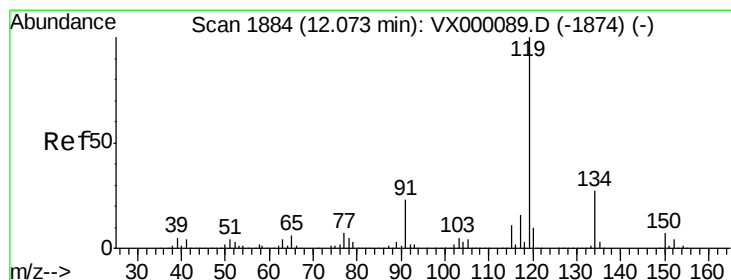
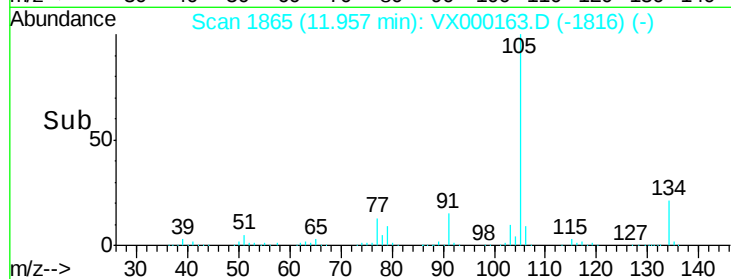
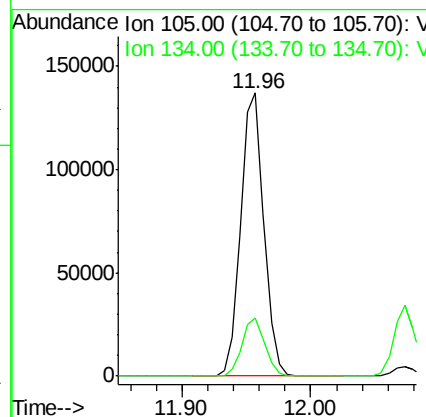
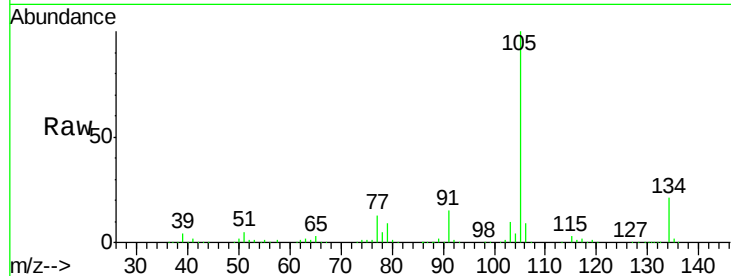
#85
 sec-Butylbenzene
 Concen: 21.04 ug/l
 RT: 11.96 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VX000163.D
 Acq: 28 Feb 2018 12:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0228WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.1	10.5	31.6

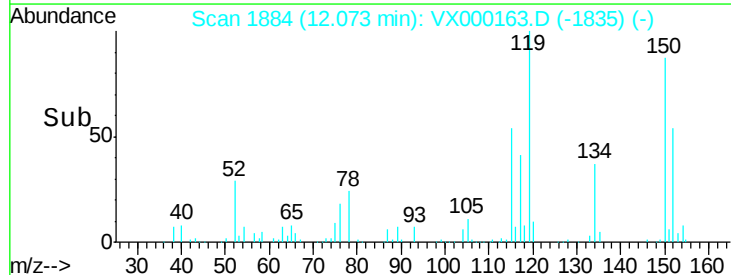
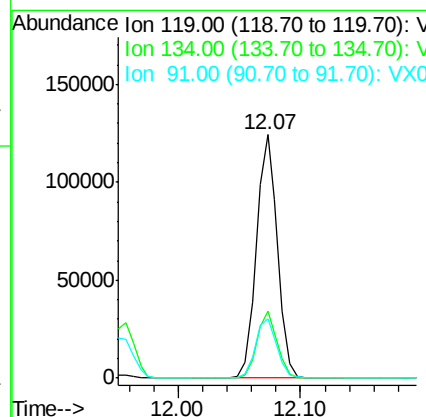
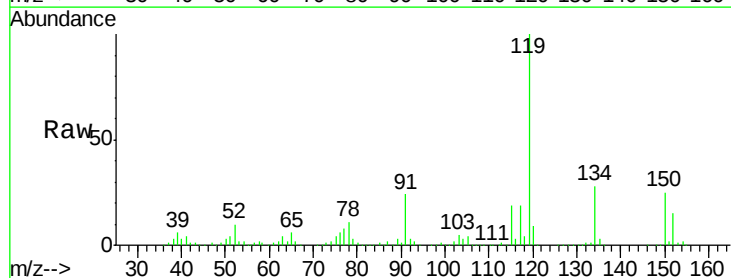
Manual Integrations
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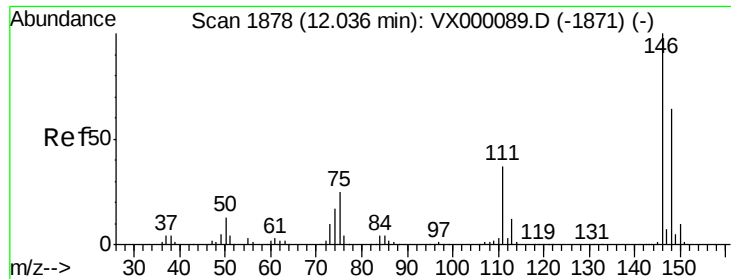
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#86
 p-Isopropyltoluene
 Concen: 20.48 ug/l
 RT: 12.07 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VX000163.D
 Acq: 28 Feb 2018 12:53

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.7	41.0
91	25.2	11.7	35.0





#87

1,3-Dichlorobenzene

Concen: 19.56 ug/l

RT: 12.04 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VX000163.D

Acq: 28 Feb 2018 12:53

Instrument :

MSVOA_X

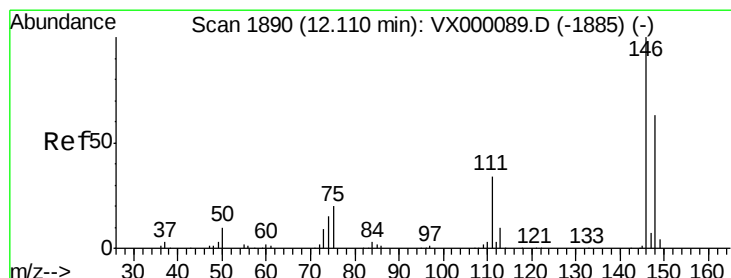
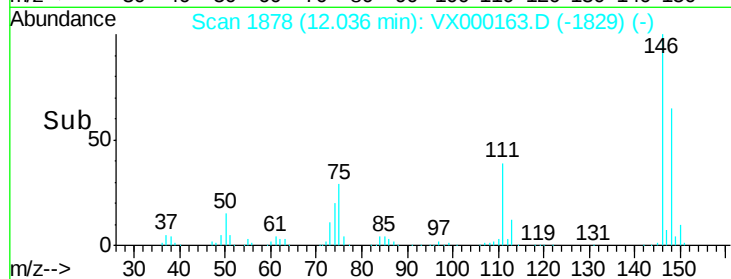
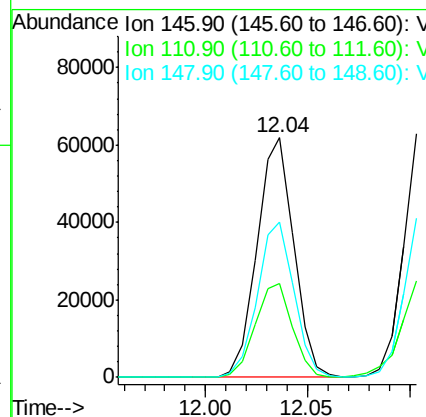
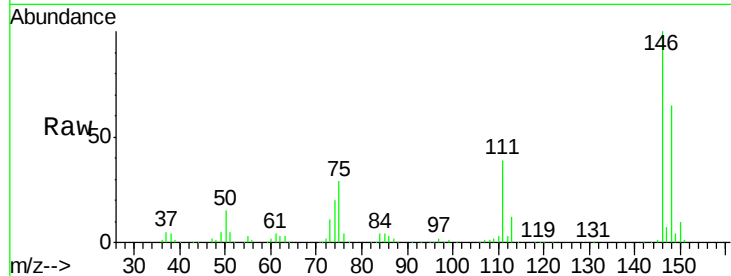
ClientSampleId :

VX0228WBSD01

Tot Ion:	146	Resp:	77918
Ion Ratio	Lower	Upper	
146	100		
111	39.8	19.1	57.3
148	64.4	32.2	96.6

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#88

1,4-Dichlorobenzene

Concen: 19.69 ug/l

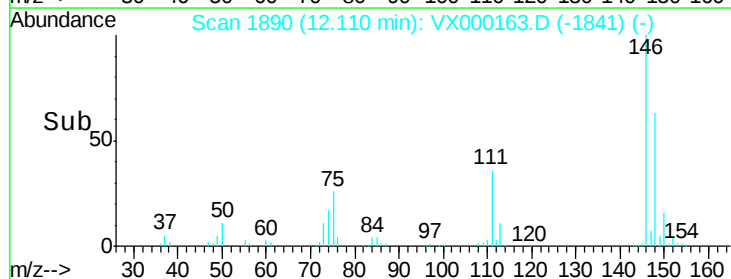
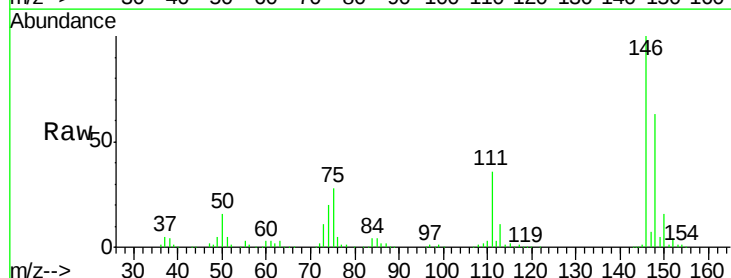
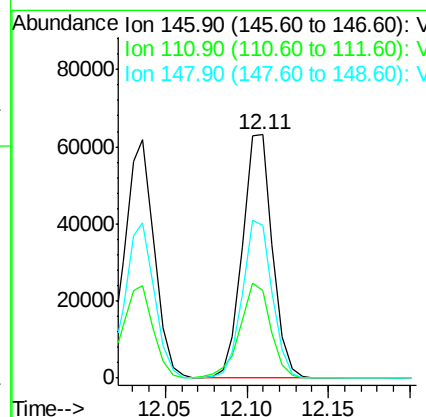
RT: 12.11 min Scan# 1890

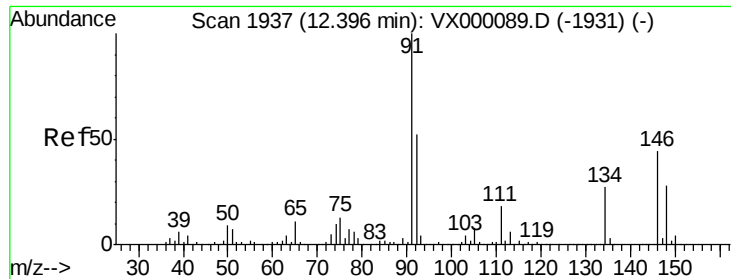
Delta R.T. -0.00 min

Lab File: VX000163.D

Acq: 28 Feb 2018 12:53

Tgt Ion:	146	Resp:	81008
Ion Ratio	Lower	Upper	
146	100		
111	39.8	18.4	55.0
148	64.2	31.9	95.9





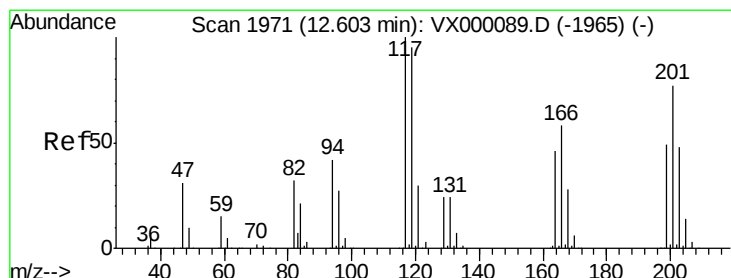
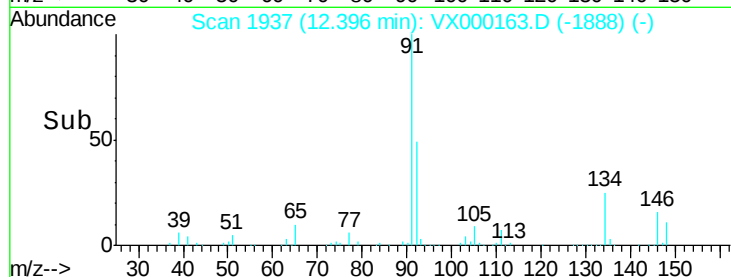
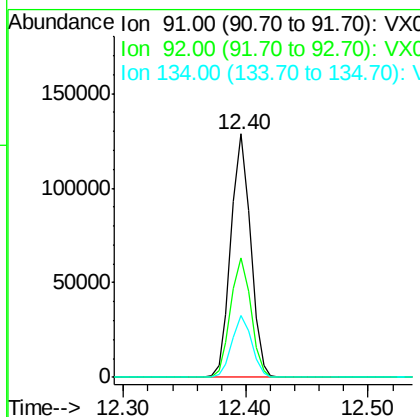
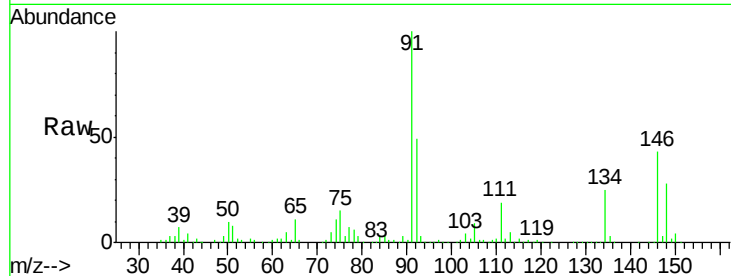
#89
n-Butylbenzene
Concen: 20.80 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX000163.D
Acq: 28 Feb 2018 12:53

Instrument :
MSVOA_X
ClientSampled :
VX0228WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.1	26.2	78.6
134	25.5	14.3	42.9

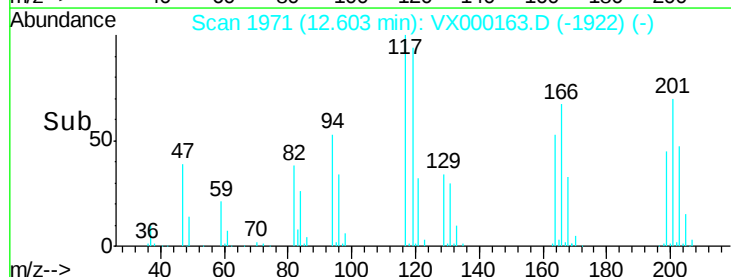
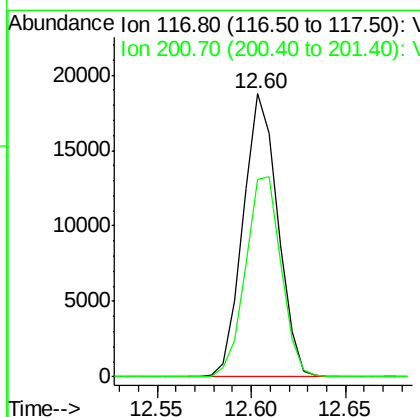
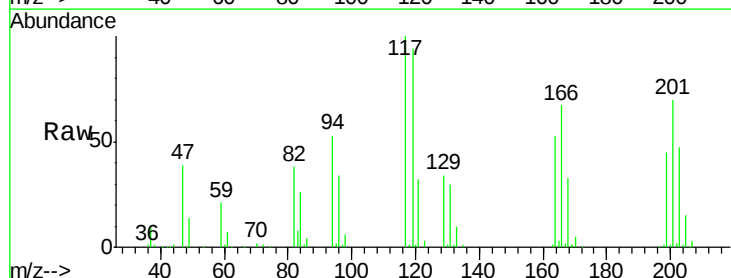
Manual Integrations
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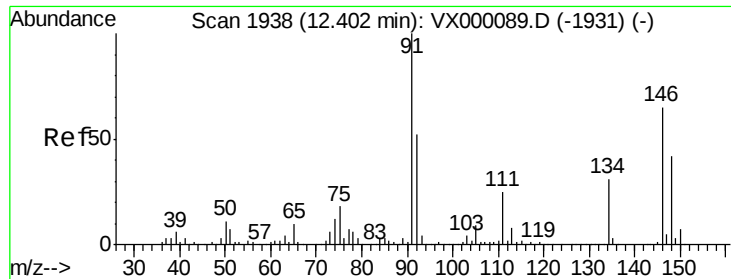
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#90
Hexachloroethane
Concen: 20.32 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX000163.D
Acq: 28 Feb 2018 12:53

Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.2	41.1	123.4





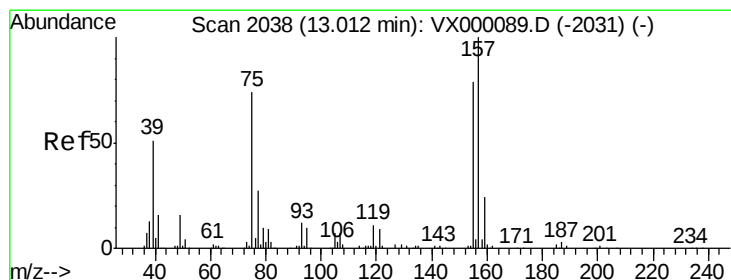
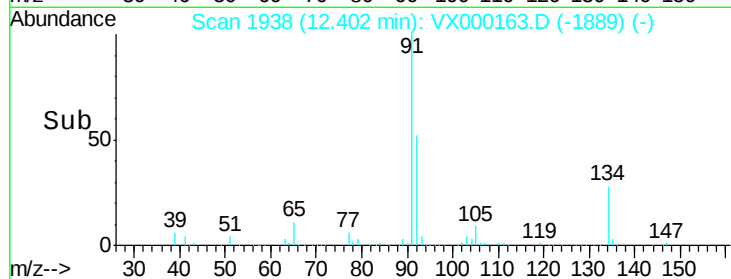
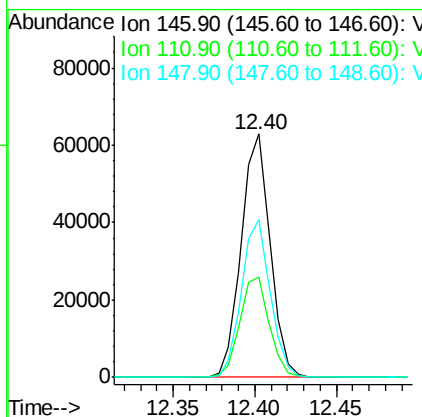
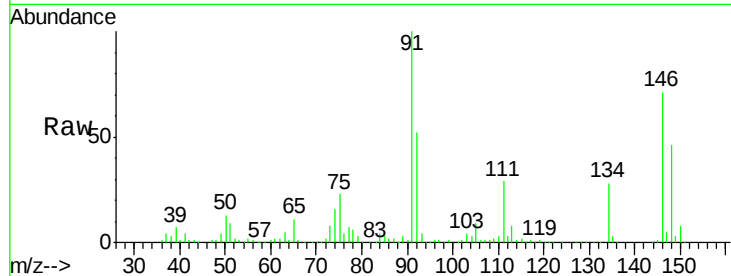
#91
 1,2-Dichlorobenzene
 Concen: 19.96 ug/l
 RT: 12.40 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VX000163.D
 Acq: 28 Feb 2018 12:53

Instrument :
 MSVOA_X
 ClientSampled :
 VX0228WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	19.6	58.8
148	64.5	32.4	97.0

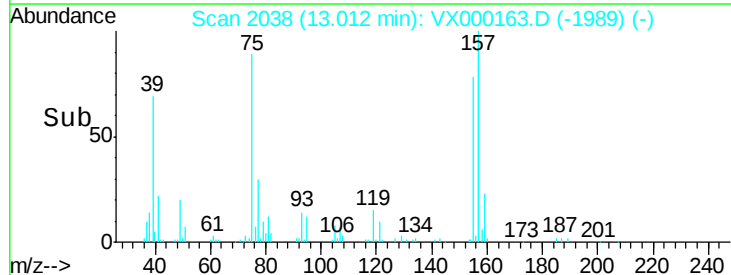
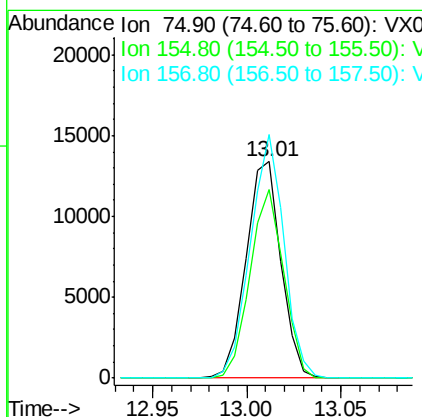
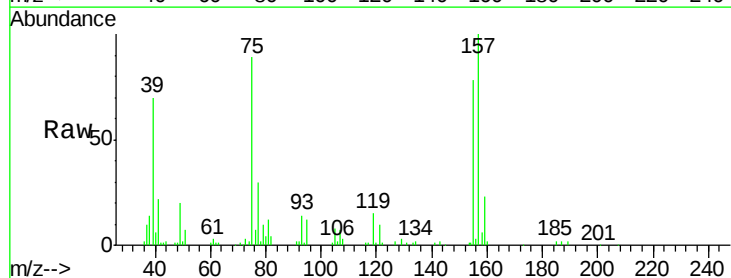
Manual Integrations
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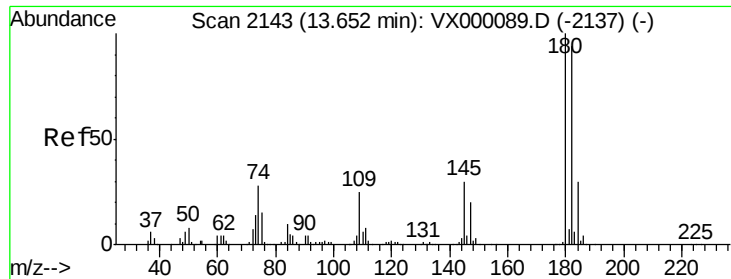
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.27 ug/l
 RT: 13.01 min Scan# 2038
 Delta R.T. -0.00 min
 Lab File: VX000163.D
 Acq: 28 Feb 2018 12:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.9	49.3	147.9
157	108.1	63.7	191.1





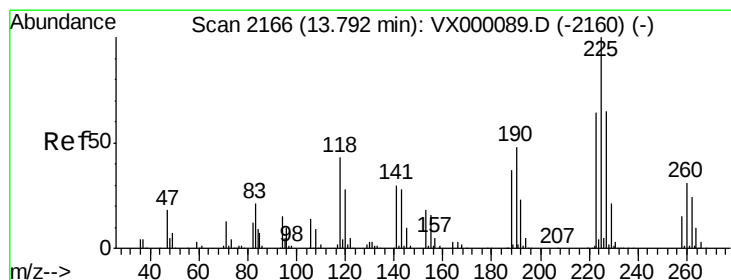
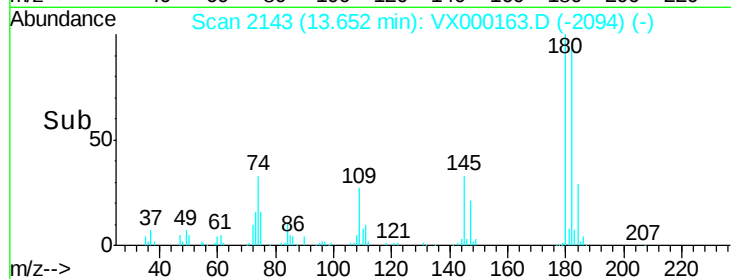
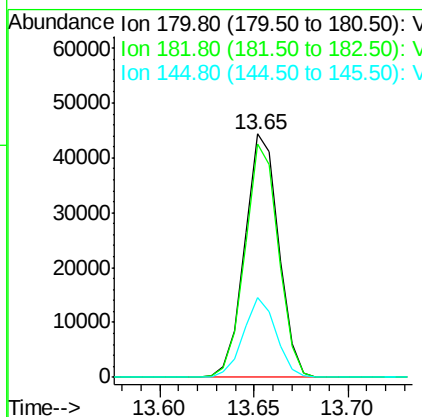
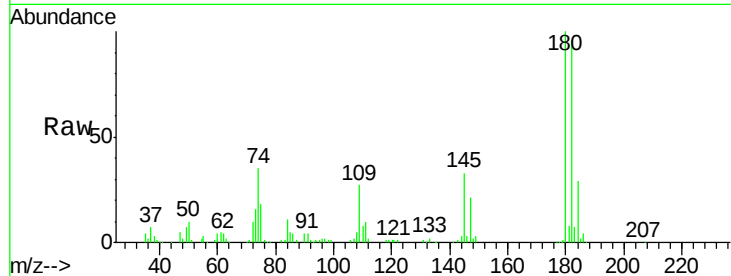
#93
 1,2,4-Trichlorobenzene
 Concen: 18.79 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX000163.D
 Acq: 28 Feb 2018 12:53

Instrument :
 MSVOA_X
 ClientSampled :
 VX0228WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.8	143.4
145	31.7	14.7	44.1

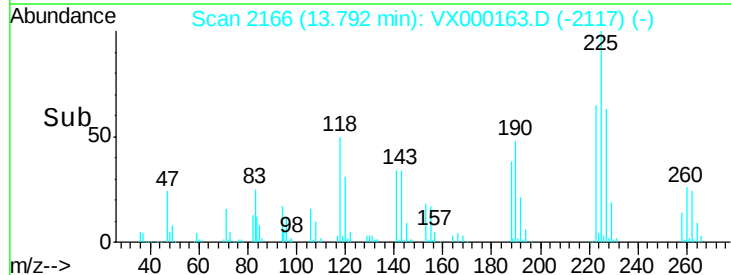
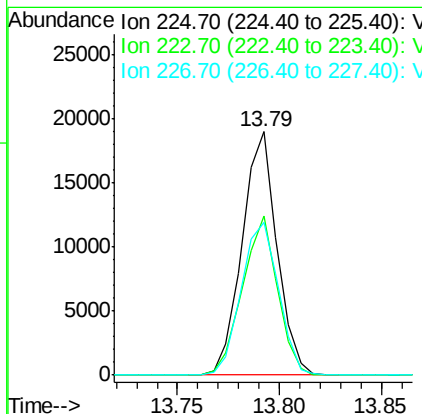
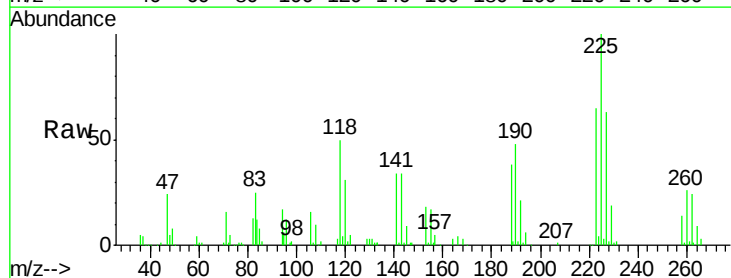
Manual Integrations
 APPROVED

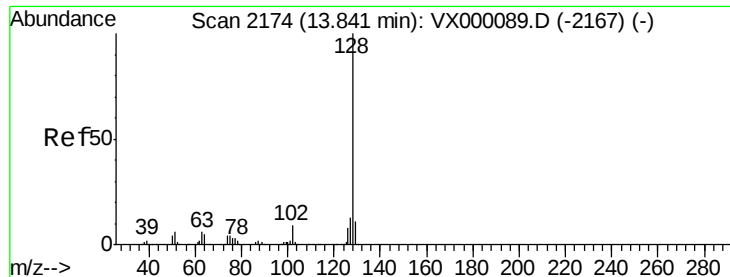
apatel
 3/1/2018 12:52:59 PM



#94
 Hexachlorobutadiene
 Concen: 17.59 ug/l
 RT: 13.79 min Scan# 2166
 Delta R.T. -0.00 min
 Lab File: VX000163.D
 Acq: 28 Feb 2018 12:53

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.5	31.9	95.7
227	67.1	32.8	98.4





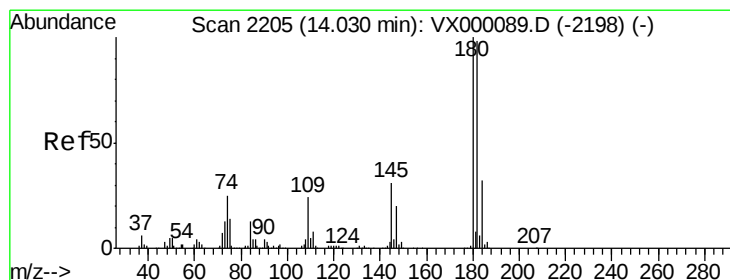
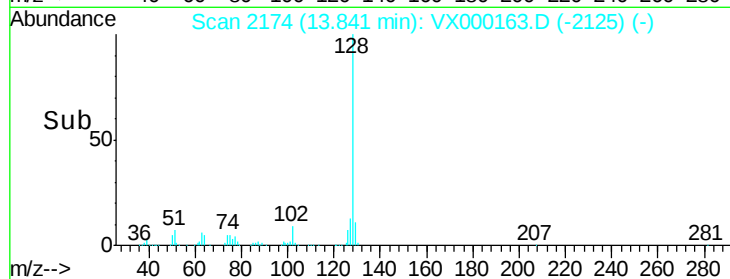
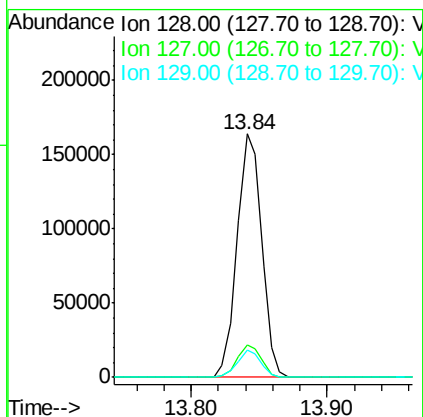
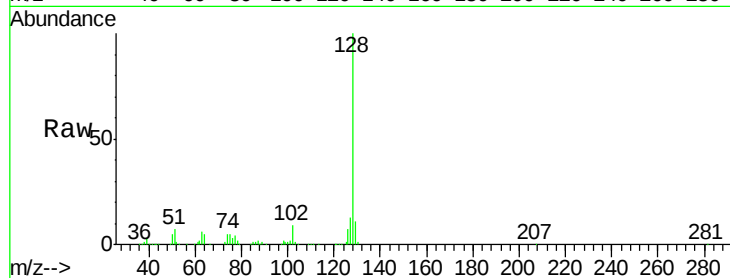
#95
Naphthalene
Concen: 20.67 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX000163.D
Acq: 28 Feb 2018 12:53

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.8	8.7	13.1

Manual Integrations
APPROVED

apatel
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#96
1,2,3-Trichlorobenzene
Concen: 19.48 ug/l
RT: 14.03 min Scan# 2205
Delta R.T. -0.00 min
Lab File: VX000163.D
Acq: 28 Feb 2018 12:53

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.3	48.2	144.6
145	32.3	15.3	45.9

