

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX040718\
 Data File : VX000714.D
 Acq On : 07 Apr 2018 13:30
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

sam
 4/9/2018 2:02:38 PM

Quant Time: Apr 07 16:53:43 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X040718W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 07 16:39:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	276729	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	385720	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	366481	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	223938	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	437115	143.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	286.92%	
35) Dibromofluoromethane	5.51	113	365221	144.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	289.92%	
50) Toluene-d8	8.73	98	1346885	145.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	291.22%	
62) 4-Bromofluorobenzene	11.15	95	559251	149.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	298.24%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	351051	141.419	ug/l	100
3) Chloromethane	1.32	50	291489	142.792	ug/l	98
4) Vinyl Chloride	1.41	62	308952	144.885	ug/l	98
5) Bromomethane	1.64	94	155188	131.655	ug/l	99
6) Chloroethane	1.71	64	183007	140.531	ug/l	99
7) Trichlorofluoromethane	1.92	101	486513	139.369	ug/l	100
8) Diethyl Ether	2.19	74	189062	145.313	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	283855	138.777	ug/l	99
10) Methyl Iodide	2.51	142	384330	172.117	ug/l	99
11) Tert butyl alcohol	3.10	59	393381	690.368	ug/l	100
12) 1,1-Dichloroethene	2.37	96	260905	141.720	ug/l	99
13) Acrolein	2.30	56	189445	860.454	ug/l	100
14) Allyl chloride	2.73	41	527760	143.515	ug/l	98
15) Acrylonitrile	3.16	53	839281	736.253	ug/l	100
16) Acetone	2.45	43	673961	704.335	ug/l	100
17) Carbon Disulfide	2.57	76	635316	145.195	ug/l	99
18) Methyl Acetate	2.78	43	437348	143.595	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	1016988	142.970	ug/l	100
20) Methylene Chloride	2.86	84	304959	145.007	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	283083	143.470	ug/l	99
22) Diisopropyl ether	3.88	45	1081144	142.898	ug/l	98
23) Vinyl Acetate	3.83	43	4628131	703.550	ug/l	100
24) 1,1-Dichloroethane	3.70	63	578347	146.826	ug/l	98
25) 2-Butanone	4.72	43	1243930	705.573	ug/l	97
26) 2,2-Dichloropropane	4.59	77	546417	139.638	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	361831	142.746	ug/l	99
28) Bromochloromethane	5.03	49	220209	126.674	ug/l	98
29) Tetrahydrofuran	5.18	42	789485	701.958	ug/l	99
30) Chloroform	5.23	83	606996	143.402	ug/l	99
31) Cyclohexane	5.58	56	455855	138.639	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	565915	140.297	ug/l	99
36) 1,1-Dichloropropene	5.81	75	430829	141.002	ug/l	100
37) Ethyl Acetate	4.87	43	486728	140.322	ug/l	99
38) Carbon Tetrachloride	5.79	117	519679	140.121	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	494085	140.704	ug/l	97
40) Benzene	6.15	78	1275441	143.168	ug/l	100
41) Methacrylonitrile	5.07	41	289009	141.427	ug/l	99
42) 1,2-Dichloroethane	6.21	62	501047	141.263	ug/l	99
43) Isopropyl Acetate	6.48	43	862583	141.601	ug/l	100
44) Trichloroethene	7.22	130	385885	140.818	ug/l	99
45) 1,2-Dichloropropane	7.52	63	342590	142.636	ug/l	98
46) Dibromomethane	7.67	93	236994	143.949	ug/l	98
47) Bromodichloromethane	7.91	83	504859	145.319	ug/l	99
48) Methyl methacrylate	7.79	41	447948	143.260	ug/l	99
49) 1,4-Dioxane	7.77	88	178870	2822.482	ug/l	98
51) 4-Methyl-2-Pentanone	8.66	43	2611671	720.824	ug/l	100
52) Toluene	8.79	92	849832	142.817	ug/l	99
53) t-1,3-Dichloropropene	8.45	75	596340	144.532	ug/l	100
54) cis-1,3-Dichloropropene	9.05	75	599363	144.323	ug/l	100
55) 1,1,2-Trichloroethane	9.23	97	360071	146.384	ug/l	100
56) Ethyl methacrylate	9.19	69	582439	145.656	ug/l	99
57) 1,3-Dichloropropane	9.38	76	578759	146.380	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	1424295	841.118	ug/l	99
59) 2-Hexanone	9.51	43	2021362	725.547	ug/l	98
60) Dibromochloromethane	9.59	129	458262	148.272	ug/l	100
61) 1,2-Dibromoethane	9.68	107	384063	146.765	ug/l	98
64) Tetrachloroethene	9.34	164	379060	137.942	ug/l	99
65) Chlorobenzene	10.15	112	1035037	142.795	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	409923	143.741	ug/l	99
67) Ethyl Benzene	10.26	91	1701654	139.829	ug/l	98
68) m/p-Xylenes	10.37	106	1346638	283.091	ug/l	99
69) o-Xylene	10.71	106	666063	142.619	ug/l	98
70) Styrene	10.72	104	1156018	144.794	ug/l	99
71) Bromoform	10.87	173	422449	151.009	ug/l #	99
73) Isopropylbenzene	11.02	105	1781784	136.448	ug/l	100
74) N-amyl acetate	6.48	43	862583	134.324	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	570112	145.939	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	511979m	135.443	ug/l	
77) Bromobenzene	11.26	156	529352	141.584	ug/l	99
78) n-propylbenzene	11.37	91	2042470	137.637	ug/l	99
79) 2-Chlorotoluene	11.43	91	1235179	140.222	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	1543116	137.342	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	209644	144.409	ug/l	99
82) 4-Chlorotoluene	11.52	91	1465445	137.603	ug/l	99
83) tert-Butylbenzene	11.78	119	1595533	137.641	ug/l	99
84) 1,2,4-Trimethylbenzene	11.82	105	1599378	137.403	ug/l	99
85) sec-Butylbenzene	11.96	105	1850128	136.185	ug/l	100
86) p-Isopropyltoluene	12.07	119	1735392	137.058	ug/l	100
87) 1,3-Dichlorobenzene	12.04	146	980148	141.051	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	1001042	141.483	ug/l	99
89) n-Butylbenzene	12.40	91	1539507	137.252	ug/l	100
90) Hexachloroethane	12.60	117	325026	140.321	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	976247	142.541	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	146549	139.764	ug/l	97

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	812886	141.410	ug/l	100
94) Hexachlorobutadiene	13.79	225	391068	138.647	ug/l	99
95) Naphthalene	13.84	128	2165480	138.838	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	796601	141.669	ug/l	100

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

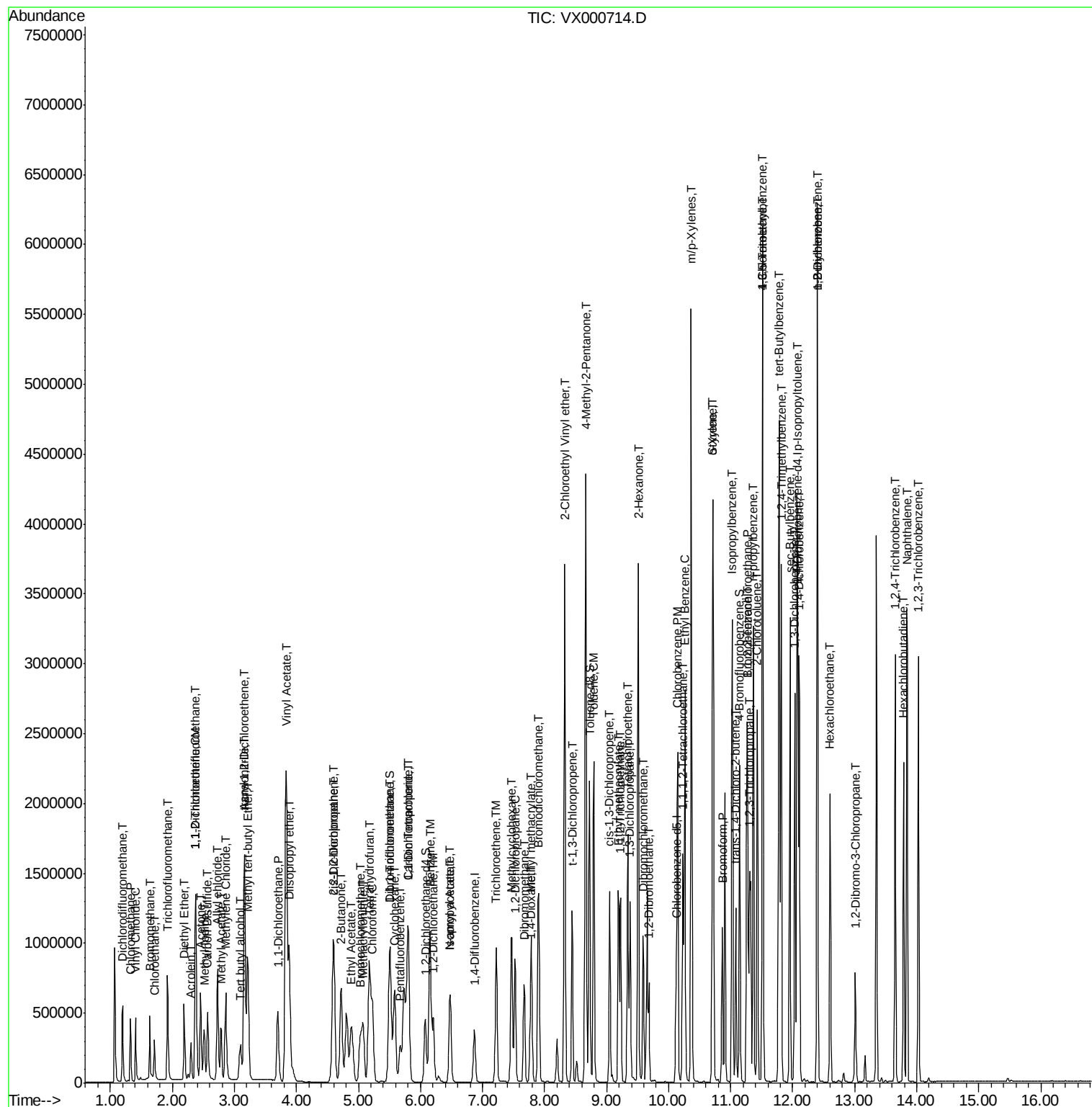
Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX040718\
 Data File : VX000714.D
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 Operator : JC/MD
 Sample : VSTDICC150
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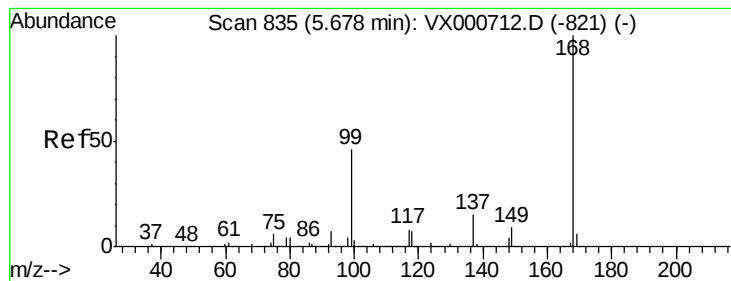
Instrument :
 MSVOA_X
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.01 min

Lab File: VX000714.D

Acq: 07 Apr 2018 13:30

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tgt Ion:168 Resp: 276729

Ion Ratio Lower Upper

168 100

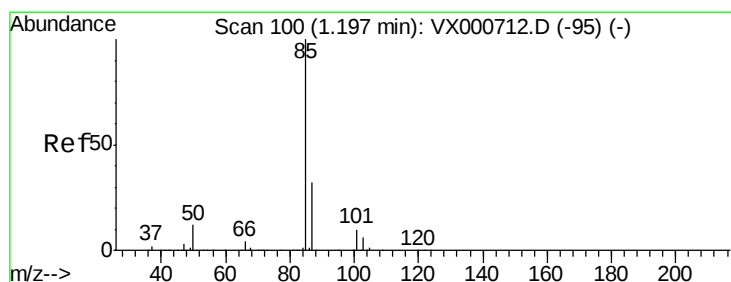
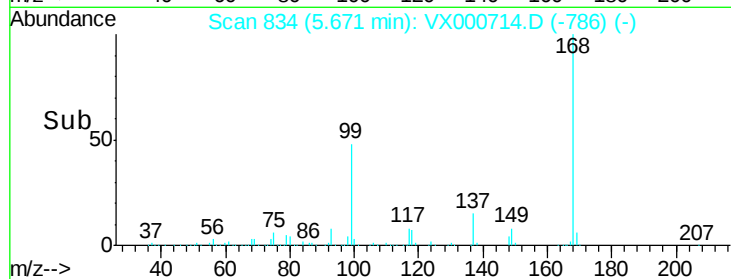
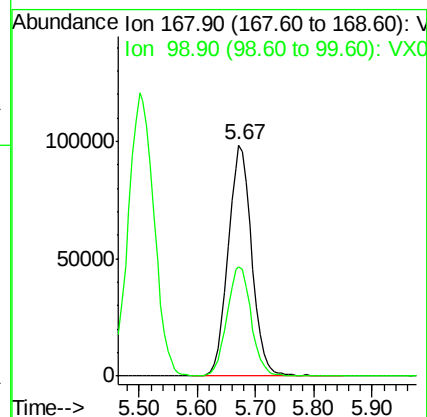
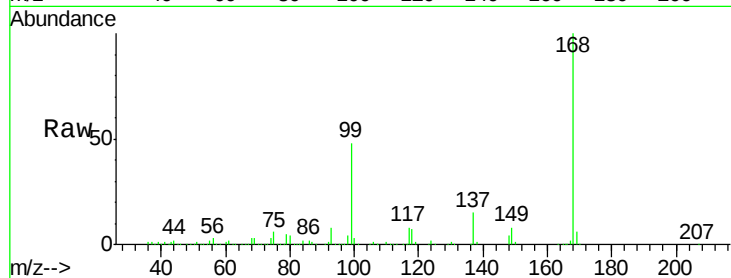
99 47.4 37.2 55.8

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 141.419 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX000714.D

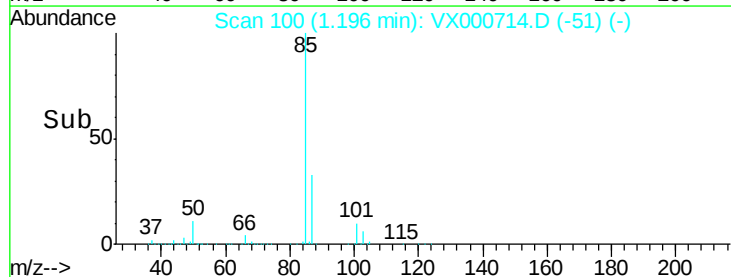
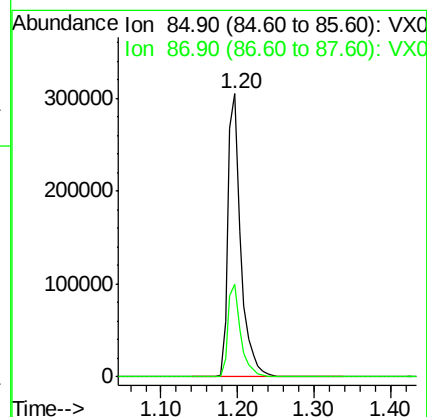
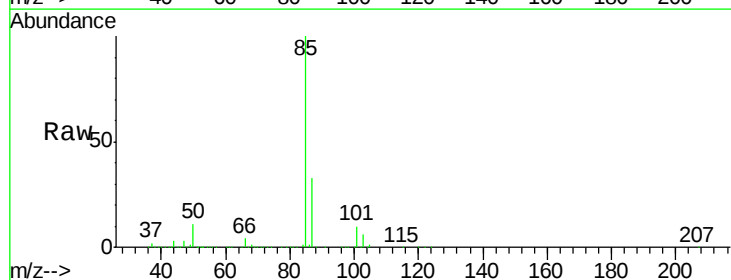
Acq: 07 Apr 2018 13:30

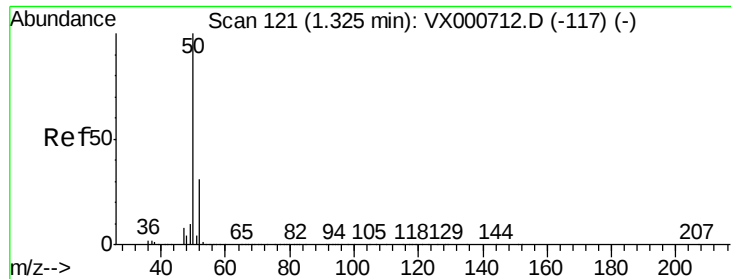
Tgt Ion: 85 Resp: 351051

Ion Ratio Lower Upper

85 100

87 32.5 16.2 48.6





#3

Chloromethane

Concen: 142.792 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX000714.D

Acq: 07 Apr 2018 13:30

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tgt Ion: 50 Resp: 291489

Ion Ratio Lower Upper

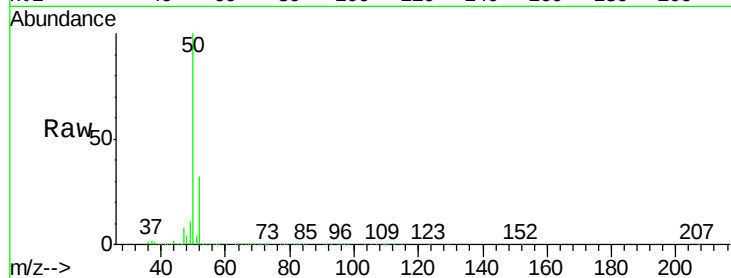
50 100

52 32.3 24.9 37.3

Manual Integrations
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

250000

200000

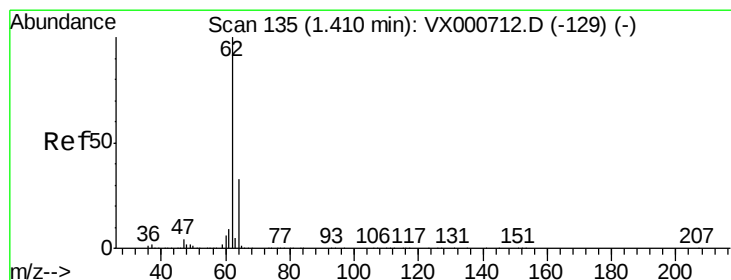
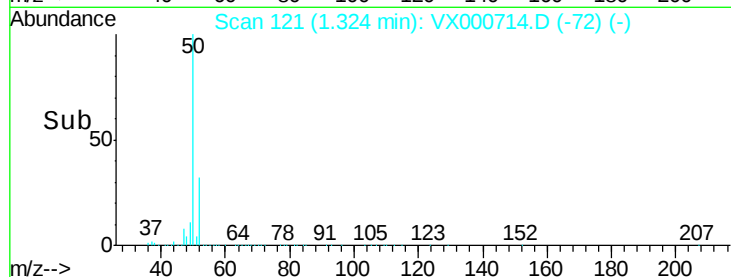
150000

100000

50000

0

Time--> 1.25 1.30 1.35 1.40



#4

Vinyl Chloride

Concen: 144.885 ug/l

RT: 1.41 min Scan# 135

Delta R.T. -0.00 min

Lab File: VX000714.D

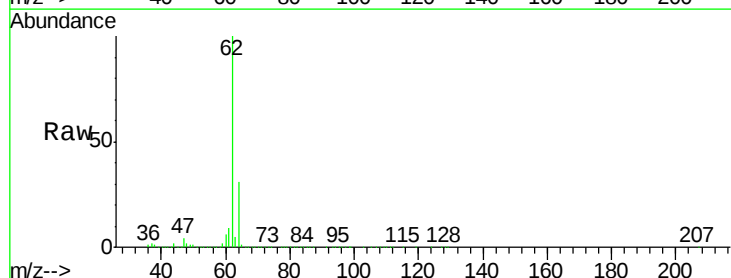
Acq: 07 Apr 2018 13:30

Tgt Ion: 62 Resp: 308952

Ion Ratio Lower Upper

62 100

64 31.5 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.41

300000

250000

200000

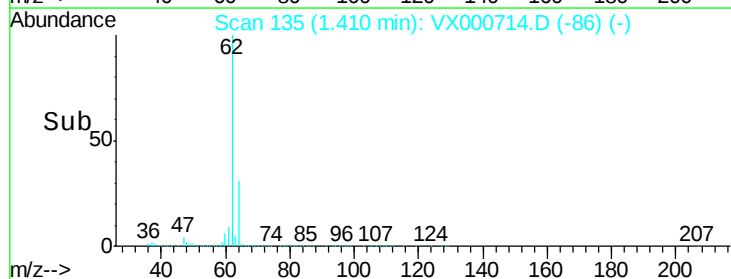
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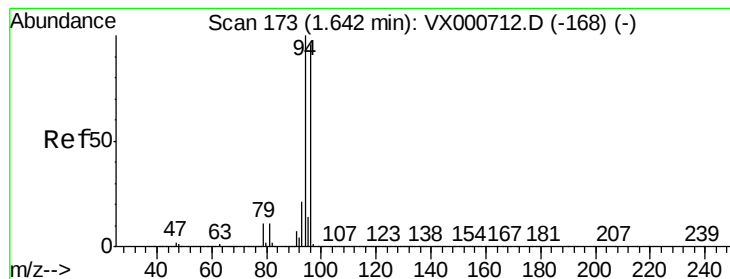
100000

50000

0

Time--> 1.30 1.40 1.50





#5

Bromomethane

Concen: 131.655 ug/l

RT: 1.64 min Scan# 172

Delta R.T. -0.01 min

Lab File: VX000714.D

Acq: 07 Apr 2018 13:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion: 94 Resp: 155188

Ion Ratio Lower Upper

94 100

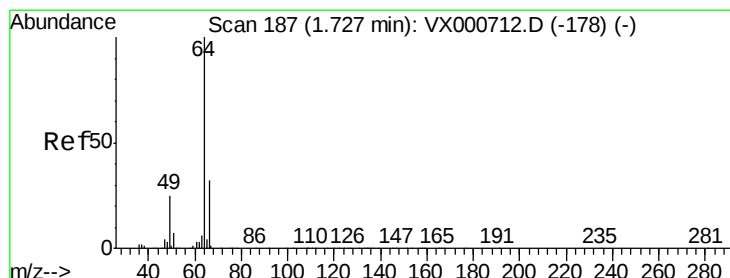
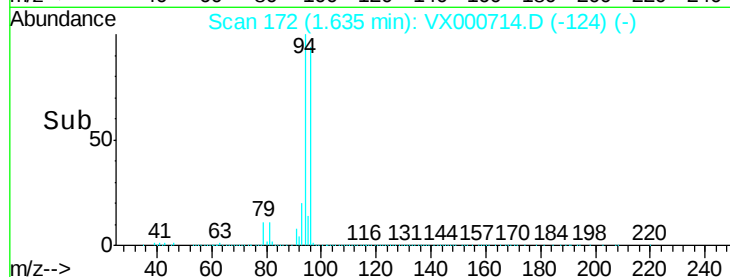
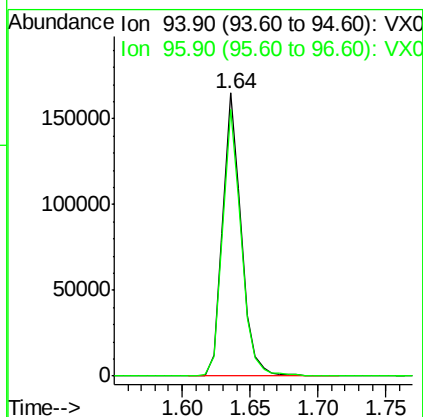
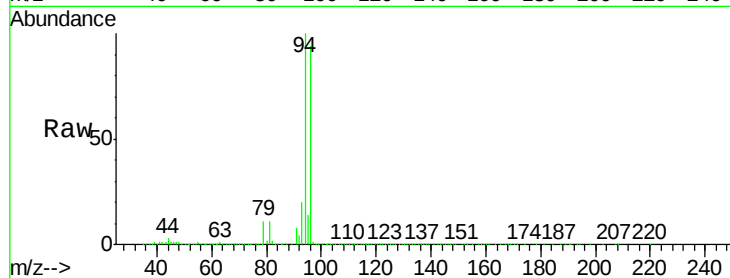
96 94.2 76.5 114.7

Manual Integrations

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#6

Chloroethane

Concen: 140.531 ug/l

RT: 1.71 min Scan# 184

Delta R.T. -0.02 min

Lab File: VX000714.D

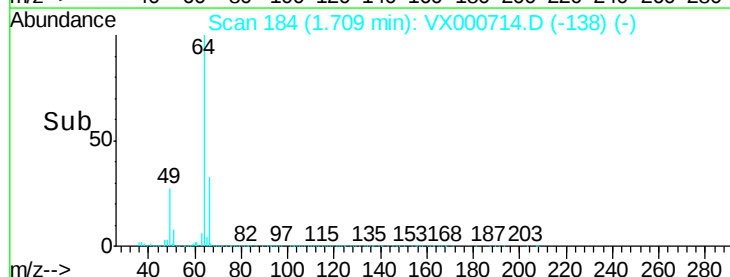
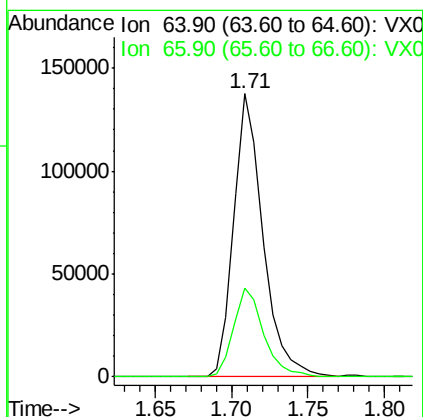
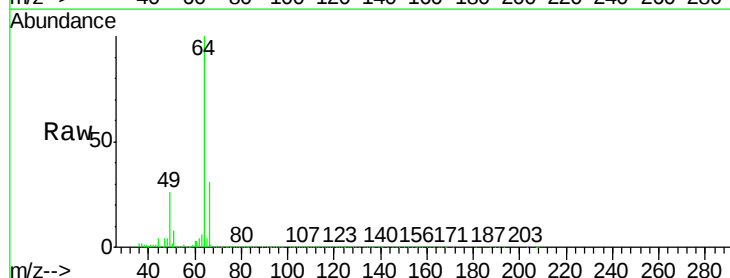
Acq: 07 Apr 2018 13:30

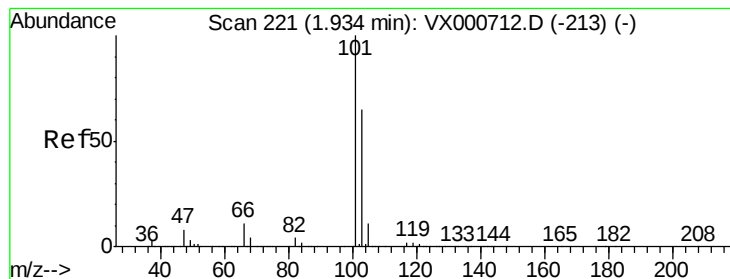
Tgt Ion: 64 Resp: 183007

Ion Ratio Lower Upper

64 100

66 31.4 25.4 38.2





#7

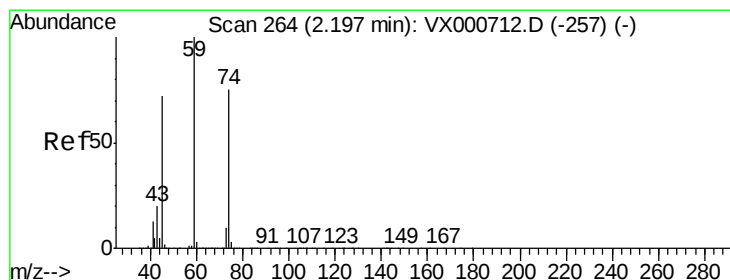
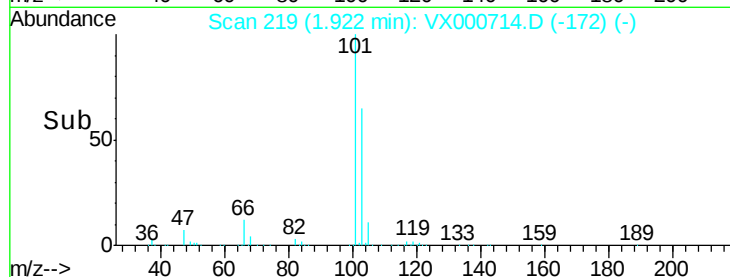
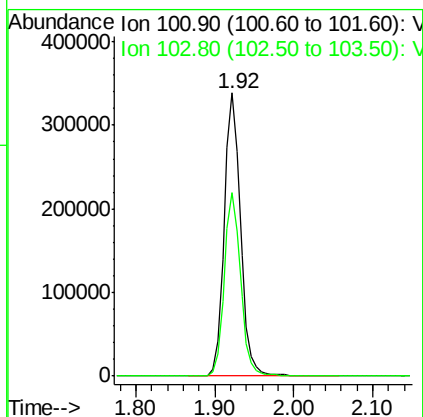
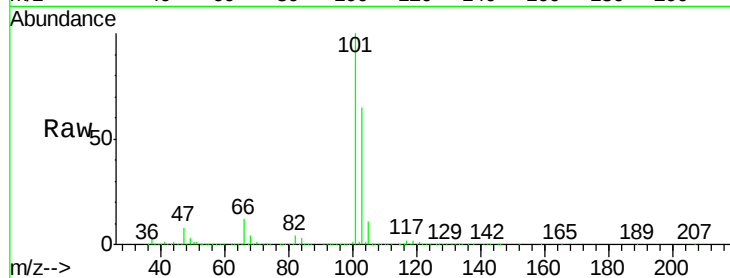
Trichlorofluoromethane
Concen: 139.369 ug/l
RT: 1.92 min Scan# 219
Delta R.T. -0.01 min
Lab File: VX000714.D
Acq: 07 Apr 2018 13:30

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Tgt Ion	Ratio	Resp	Lower	Upper
101	100	486513		
103	64.7	52.1	78.1	

Manual Integrations
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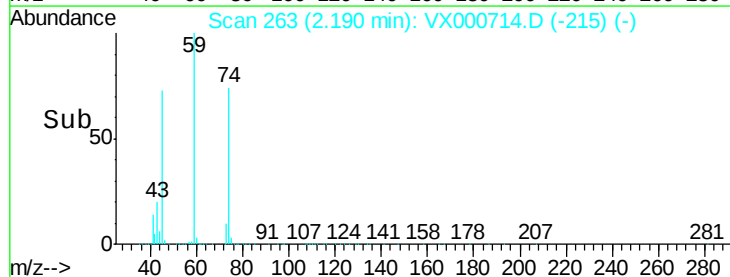
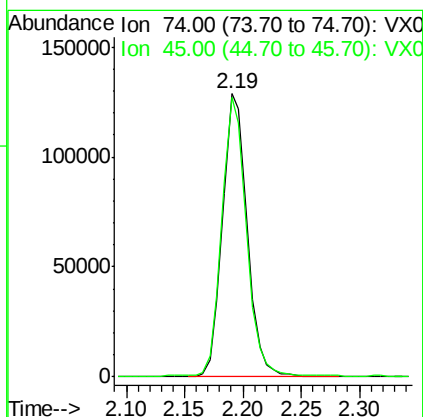
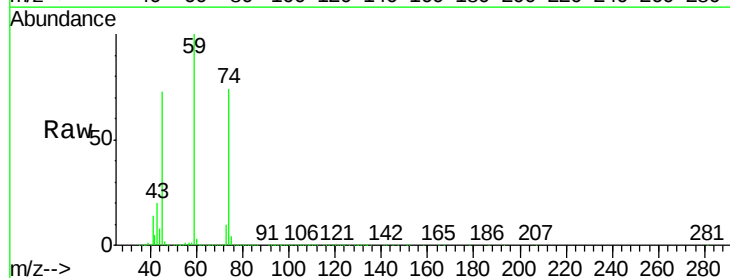
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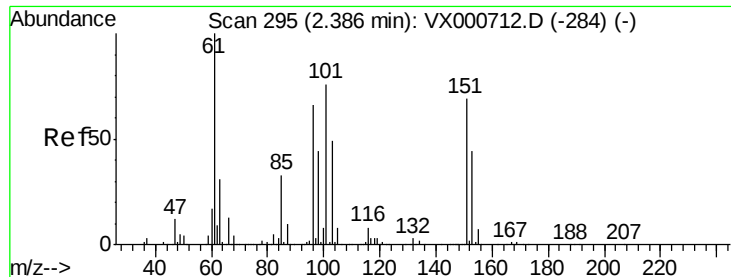


#8

Diethyl Ether
Concen: 145.313 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.01 min
Lab File: VX000714.D
Acq: 07 Apr 2018 13:30

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	189062		
45	98.1	48.4	145.3	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 138.777 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.01 min

Lab File: VX000714.D

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Instrument :

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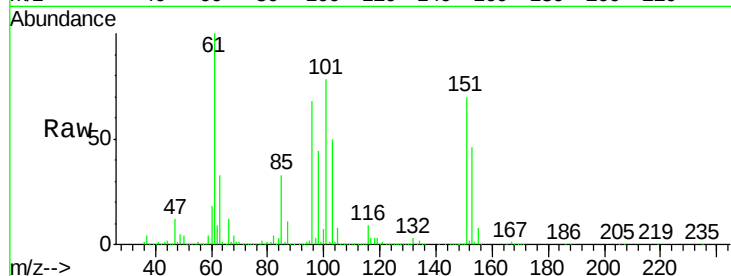
ClientSampleId :

VSTDIC150

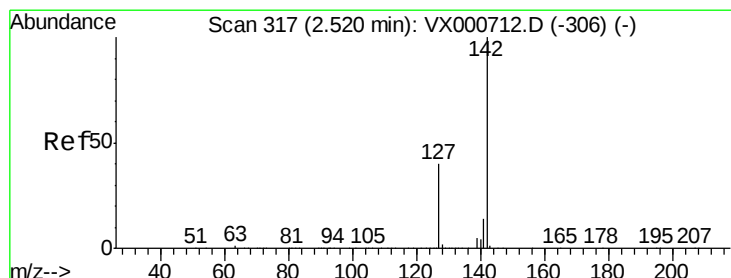
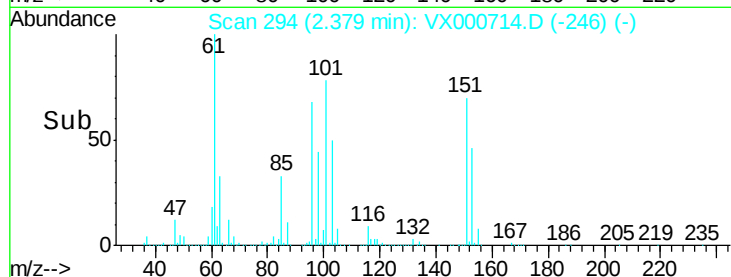
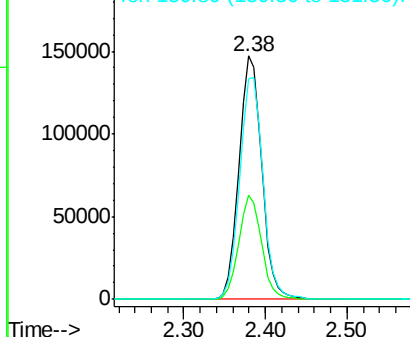
Tgt	Ion	101	Resp:	283855
Ion	Ratio	Lower	Upper	
101	100			
85	42.3	34.3	51.5	
151	93.5	73.8	110.8	

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



#10

Methyl Iodide

Concen: 172.117 ug/l

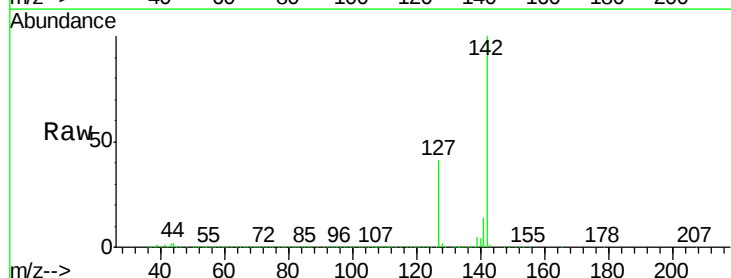
RT: 2.51 min Scan# 316

Delta R.T. -0.01 min

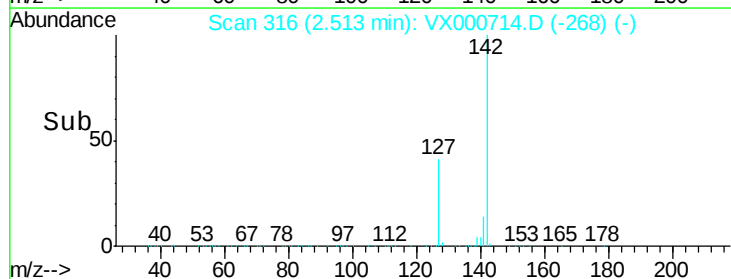
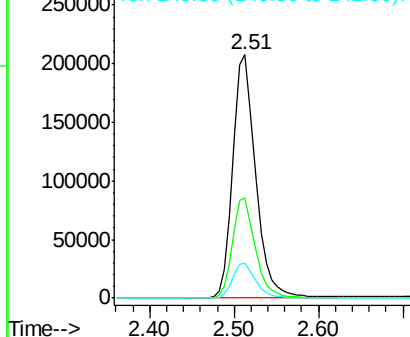
Lab File: VX000714.D

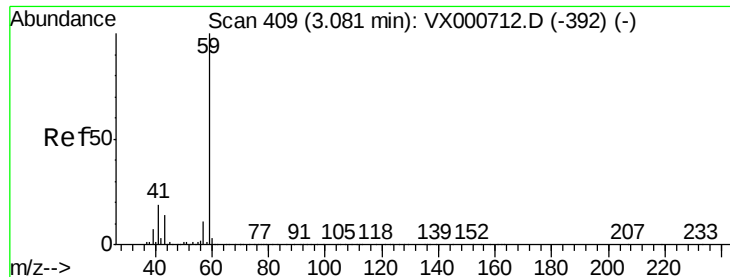
Acq: 07 Apr 2018 13:30

Tgt	Ion	142	Resp:	384330
Ion	Ratio	Lower	Upper	
142	100			
127	41.5	33.9	50.9	
141	14.6	11.4	17.0	



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





#11

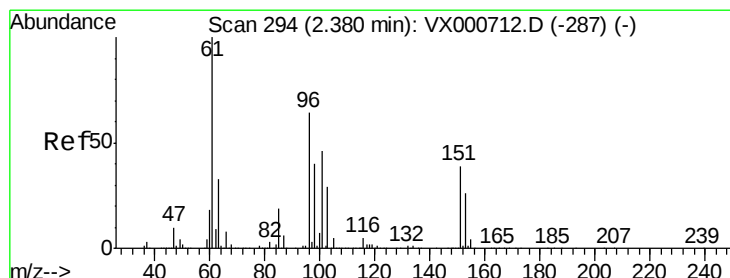
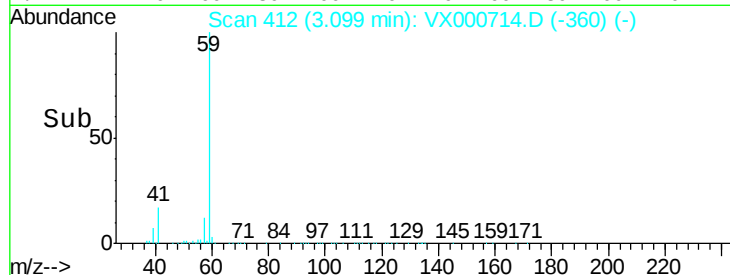
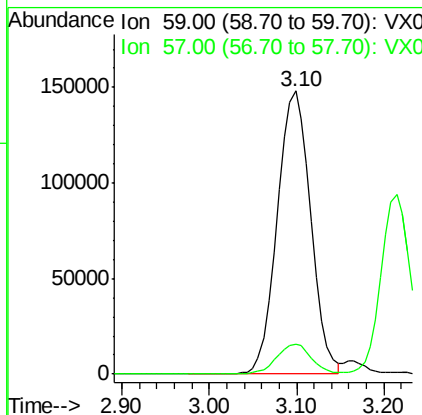
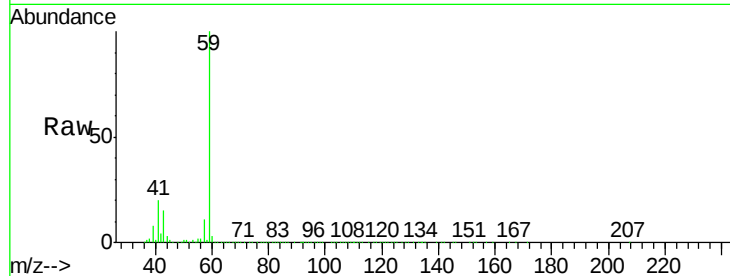
Tert butyl alcohol
 Concen: 690.368 ug/l
 RT: 3.10 min Scan# 412
 Delta R.T. 0.02 min
 Lab File: VX000714.D
 Acq: 07 Apr 2018 13:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.4	12.6

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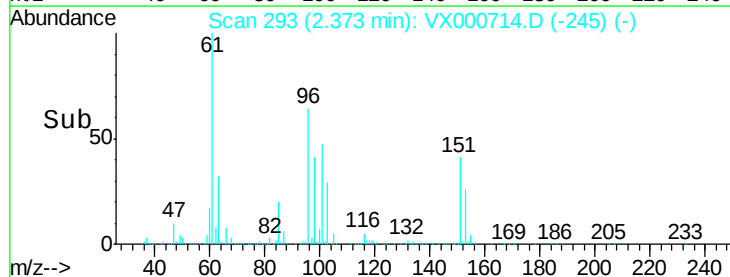
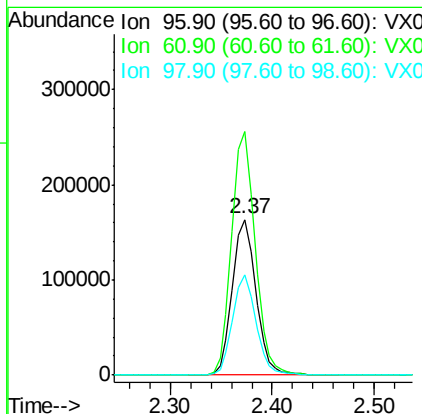
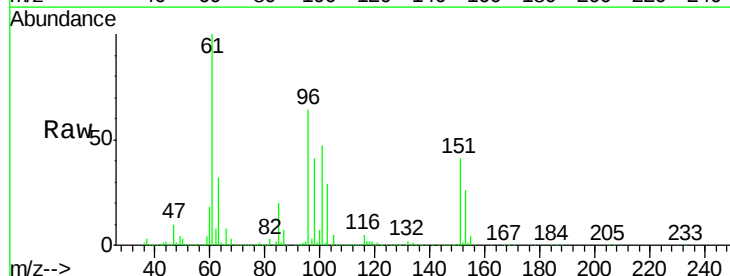
sam
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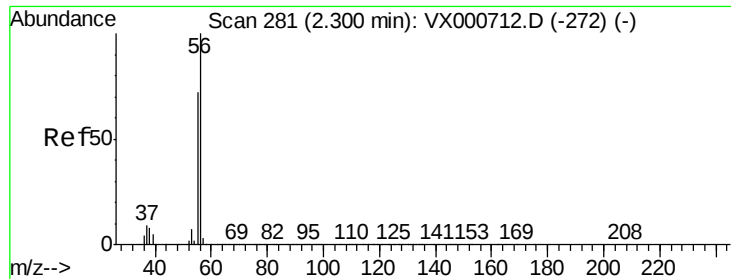


#12

1,1-Dichloroethene
 Concen: 141.720 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. -0.01 min
 Lab File: VX000714.D
 Acq: 07 Apr 2018 13:30

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.3	125.0	187.4
98	64.6	50.5	75.7





#13

Acrolein

Concen: 860.454 ug/l

RT: 2.30 min Scan# 281

Delta R.T. -0.00 min

Lab File: VX000714.D

Acq: 07 Apr 2018 13:30

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tgt Ion: 56 Resp: 189445

Ion Ratio Lower Upper

56 100

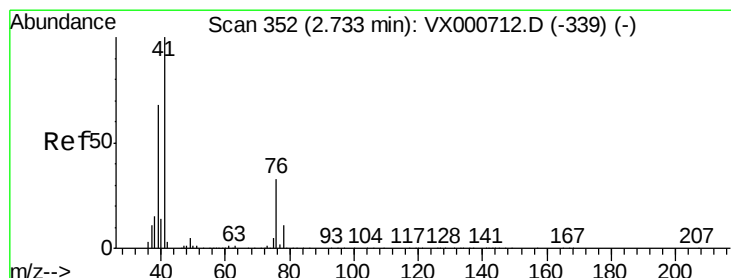
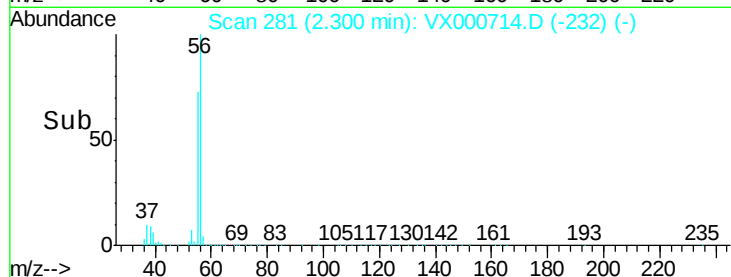
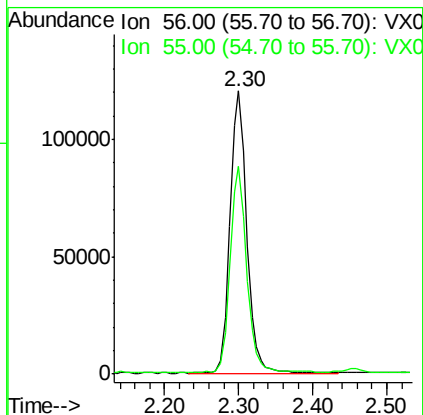
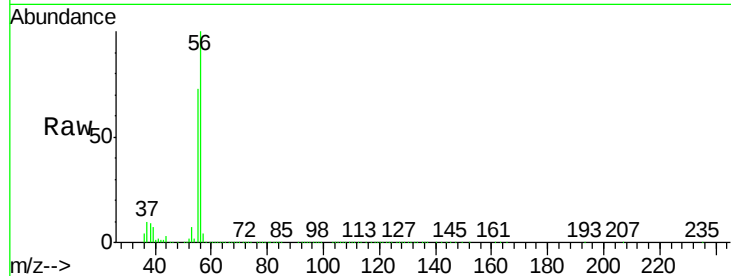
55 72.1 57.4 86.2

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#14

Allyl chloride

Concen: 143.515 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.01 min

Lab File: VX000714.D

Acq: 07 Apr 2018 13:30

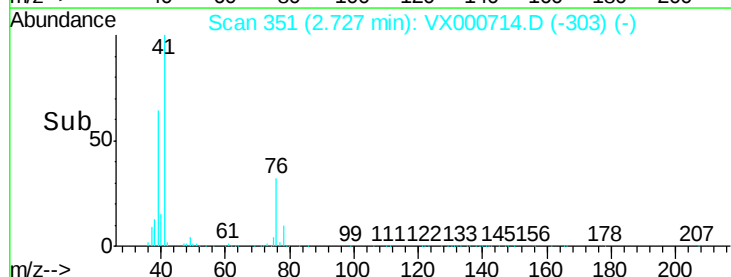
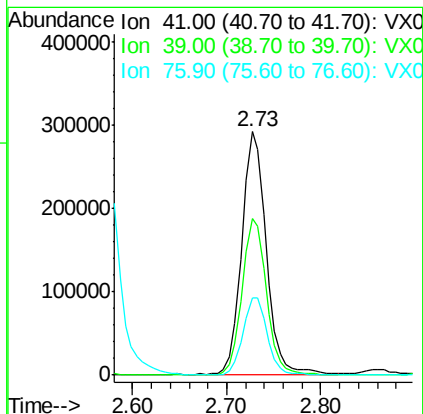
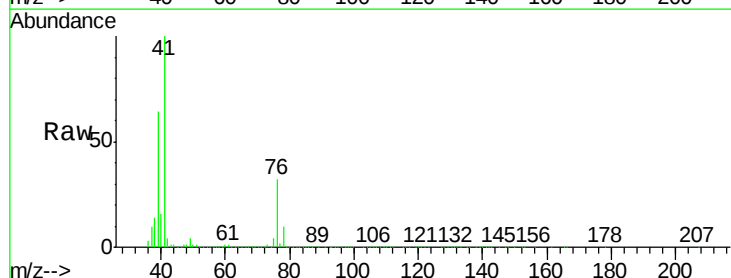
Tgt Ion: 41 Resp: 527760

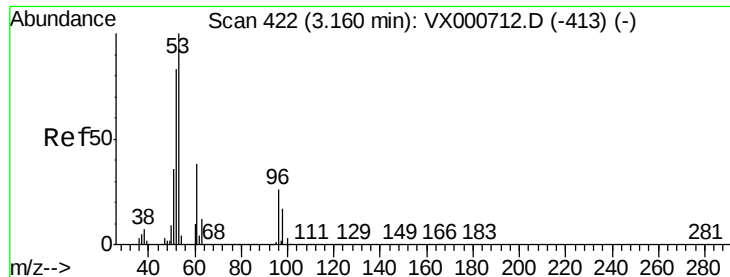
Ion Ratio Lower Upper

41 100

39 63.9 52.4 78.6

76 31.9 25.9 38.9





#15

Acrylonitrile

Concen: 736.253 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.00 min

Lab File: VX000714.D

Acq: 07 Apr 2018 13:30

Instrument :

MSVOA_X

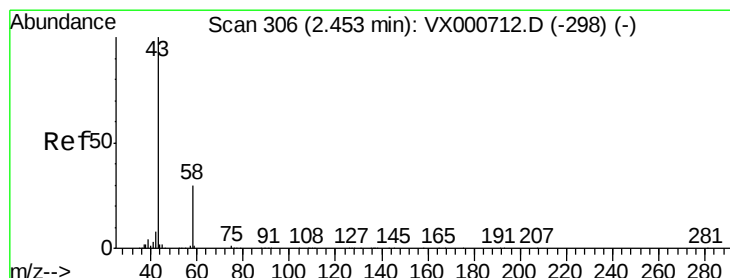
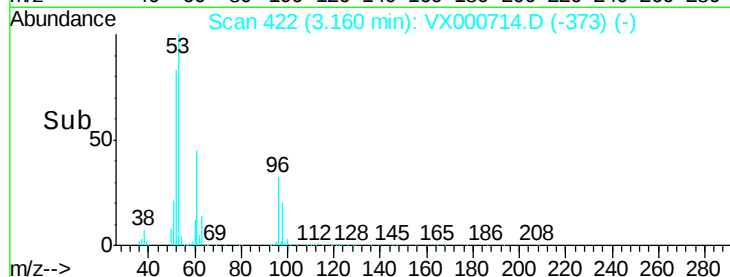
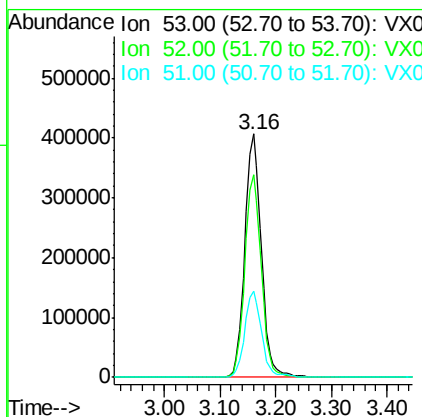
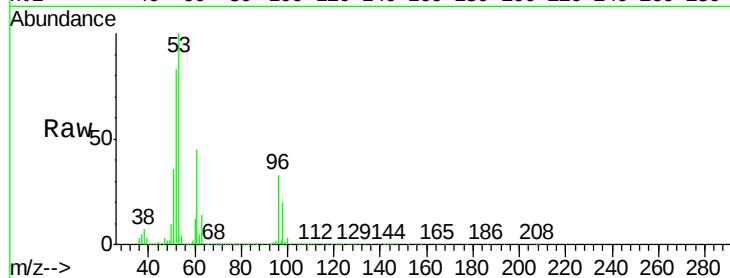
ClientSampled :

VSTDICC150

Tgt Ion:	53	Resp:	839281
Ion Ratio	Lower	Upper	
53	100		
52	82.9	66.1	99.1
51	36.3	29.1	43.7

Manual Integrations
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#16

Acetone

Concen: 704.335 ug/l

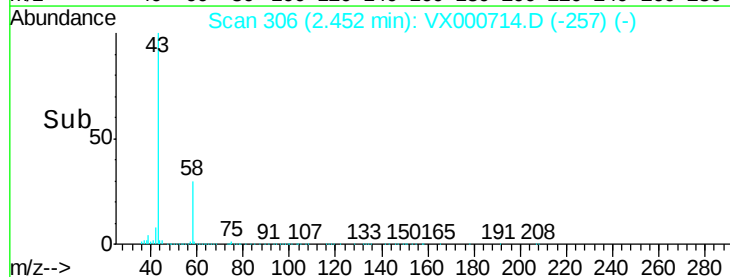
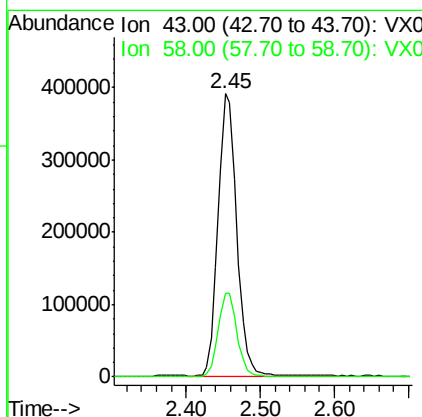
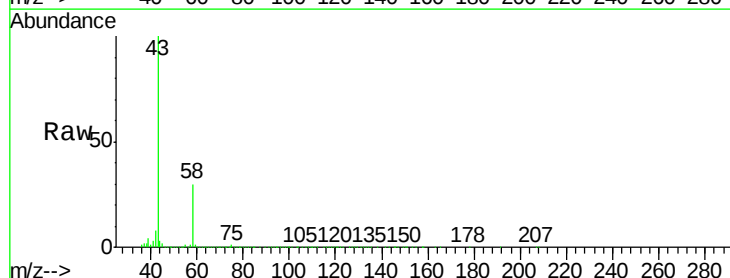
RT: 2.45 min Scan# 306

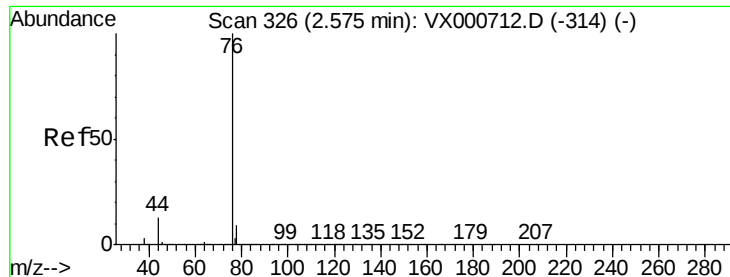
Delta R.T. -0.00 min

Lab File: VX000714.D

Acq: 07 Apr 2018 13:30

Tgt Ion:	43	Resp:	673961
Ion Ratio	Lower	Upper	
43	100		
58	29.8	24.0	36.0





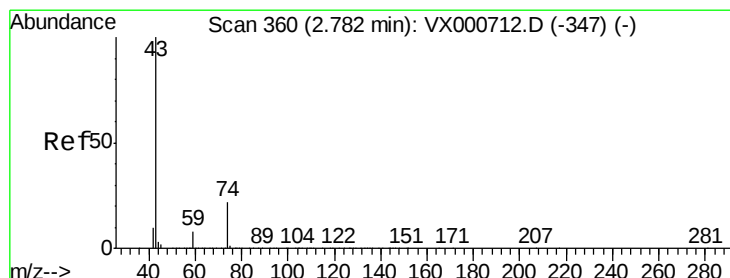
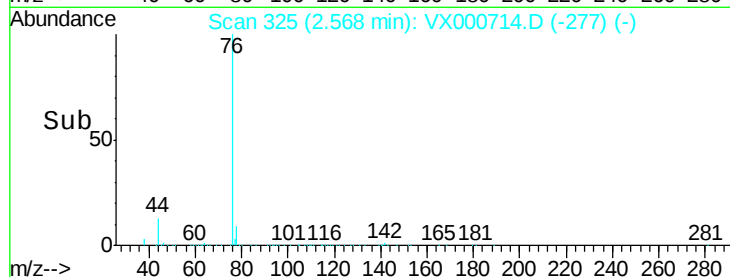
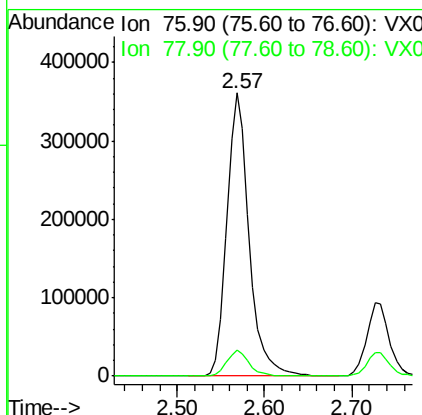
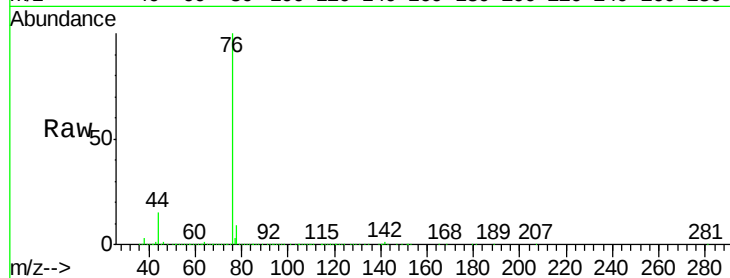
#17
Carbon Disulfide
Concen: 145.195 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.01 min
Lab File: VX000714.D
Acq: 07 Apr 2018 13:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.1	10.7

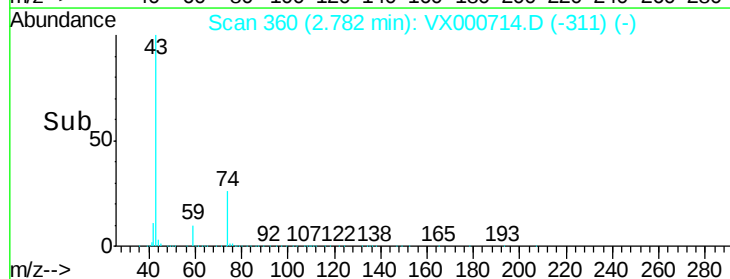
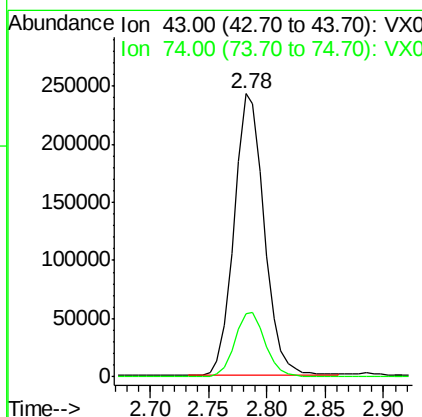
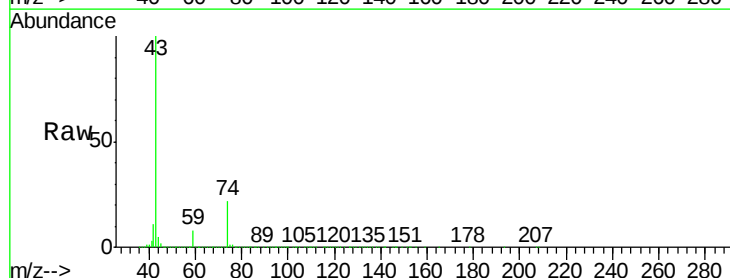
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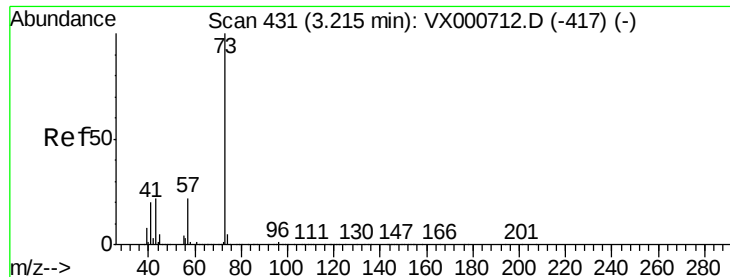
sam
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#18
Methyl Acetate
Concen: 143.595 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX000714.D
Acq: 07 Apr 2018 13:30

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.1	19.0	28.6





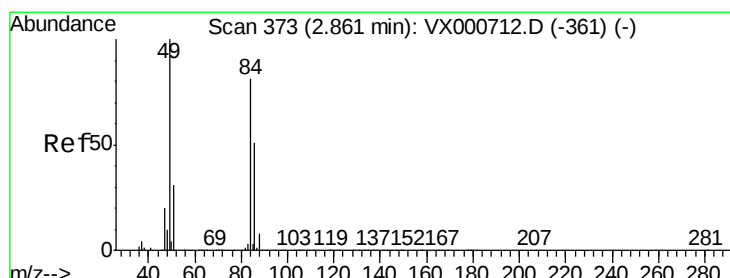
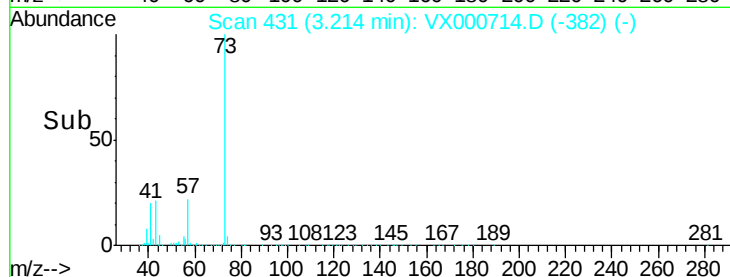
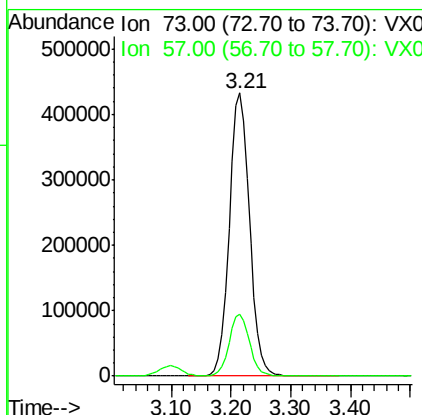
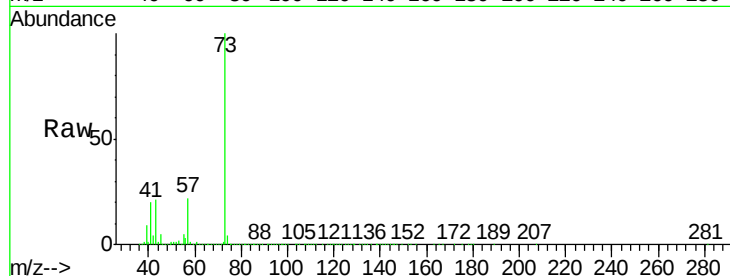
#19
Methyl tert-butyl Ether
Concen: 142.970 ug/l
RT: 3.21 min Scan# 431
Delta R.T. -0.00 min
Lab File: VX000714.D
Acq: 07 Apr 2018 13:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tgt Ion: 73 Resp: 1016988
Ion Ratio Lower Upper
73 100
57 21.6 17.3 25.9

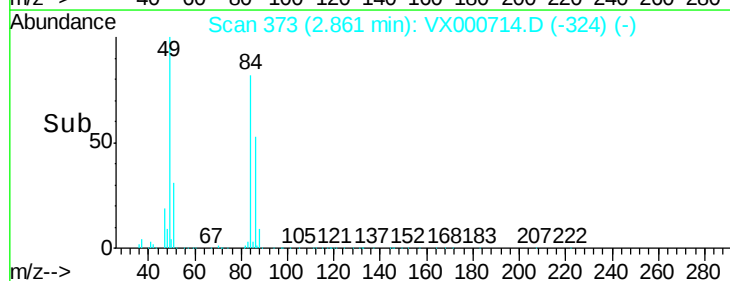
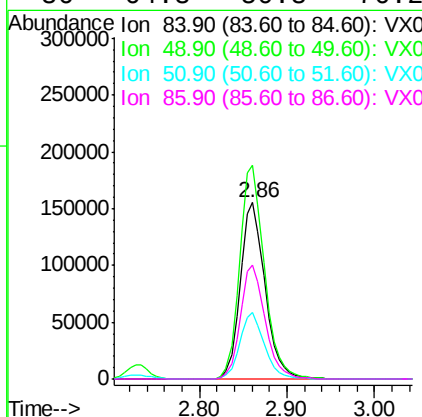
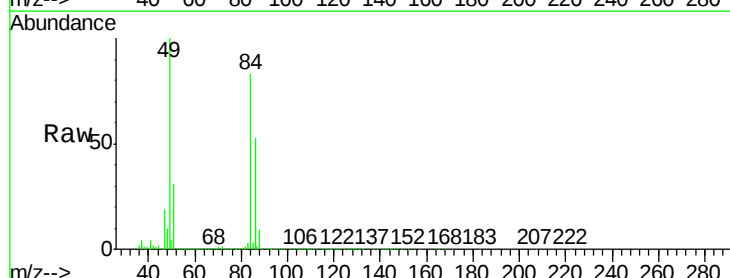
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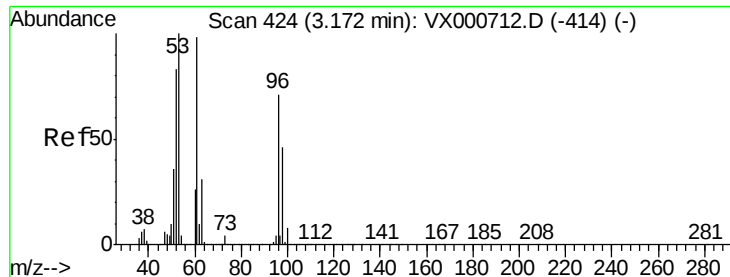
sam
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#20
Methylene Chloride
Concen: 145.007 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX000714.D
Acq: 07 Apr 2018 13:30

Tgt Ion: 84 Resp: 304959
Ion Ratio Lower Upper
84 100
49 121.1 98.6 148.0
51 37.9 30.8 46.2
86 64.8 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 143.470 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX000714.D

Acq: 07 Apr 2018 13:30

Instrument :

MSVOA_X

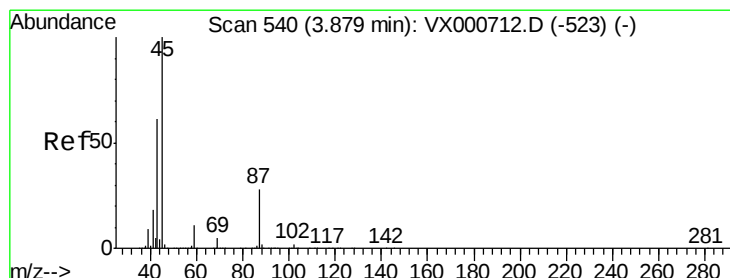
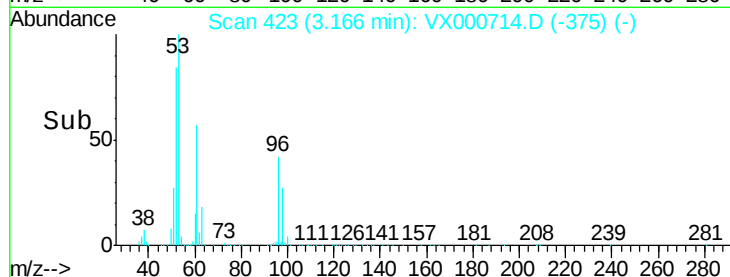
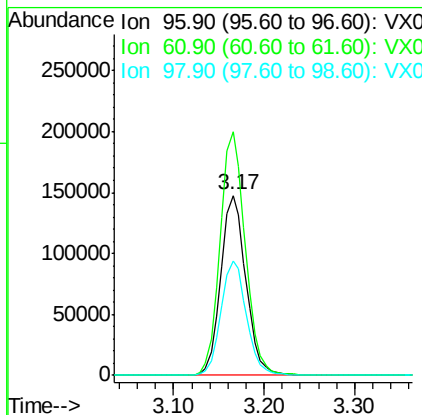
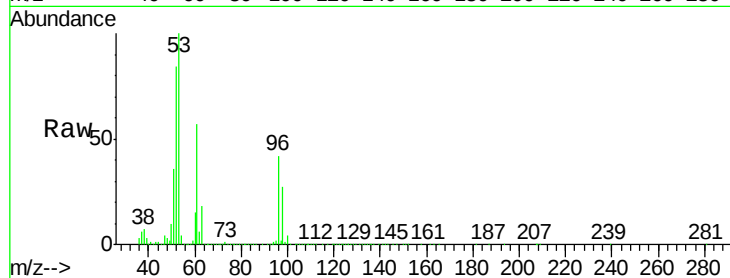
ClientSampleId :

VSTDIC150

Tgt Ion:	96	Resp:	283083
Ion	Ratio	Lower	Upper
96	100		
61	135.7	109.8	164.6
98	63.8	51.5	77.3

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#22

Diisopropyl ether

Concen: 142.898 ug/l

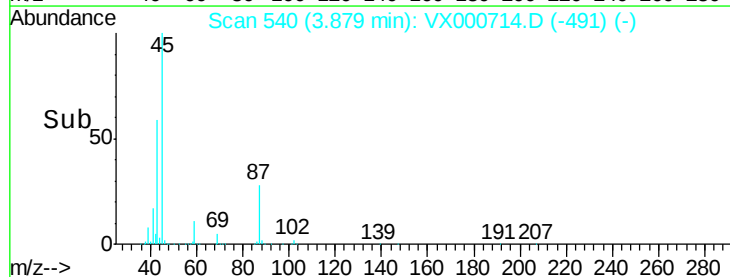
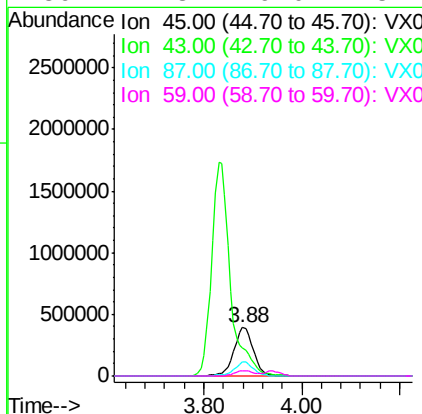
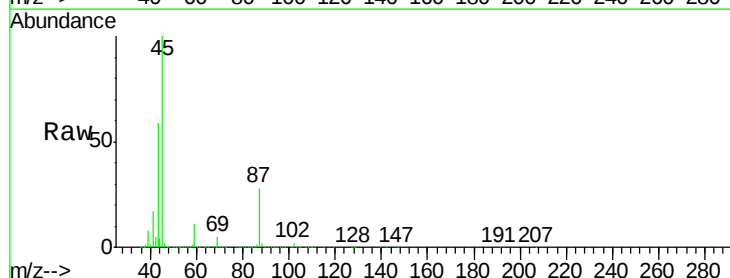
RT: 3.88 min Scan# 540

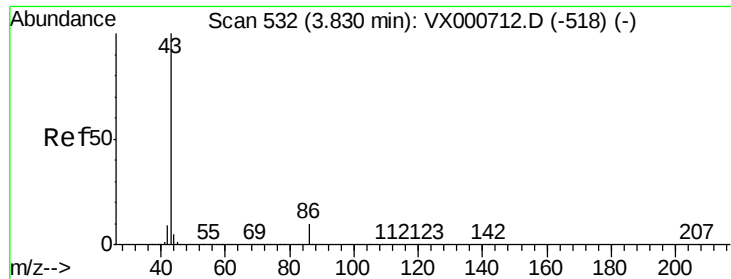
Delta R.T. -0.00 min

Lab File: VX000714.D

Acq: 07 Apr 2018 13:30

Tgt Ion:	45	Resp:	1081144
Ion	Ratio	Lower	Upper
45	100		
43	59.1	49.2	73.8
87	28.2	22.7	34.1
59	11.3	9.0	13.4





#23

Vinyl Acetate

Concen: 703.550 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX000714.D

Acq: 07 Apr 2018 13:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 43 Resp: 4628131

Ion Ratio Lower Upper

43 100

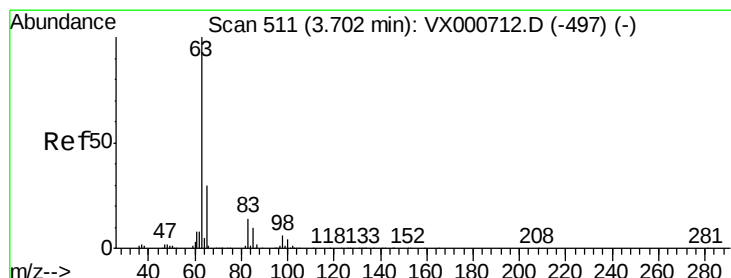
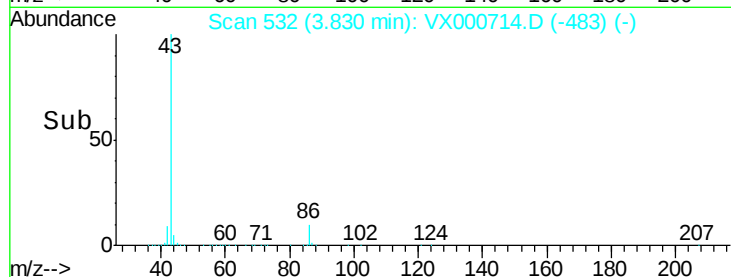
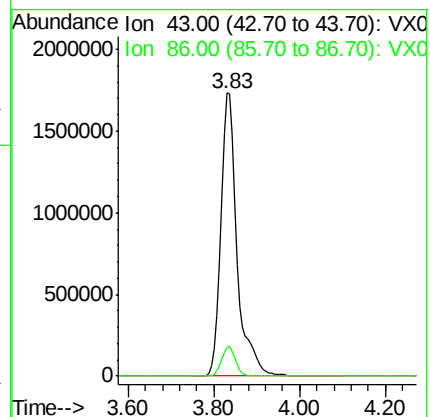
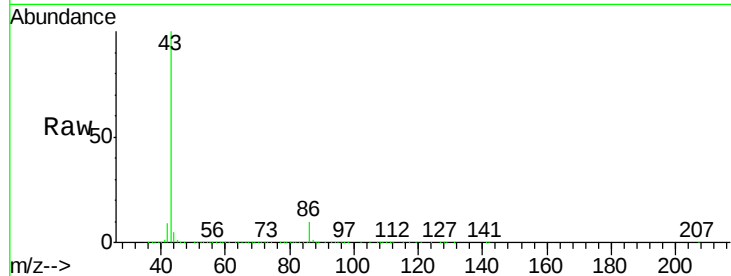
86 10.2 8.0 12.0

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#24

1,1-Dichloroethane

Concen: 146.826 ug/l

RT: 3.70 min Scan# 511

Delta R.T. -0.00 min

Lab File: VX000714.D

Acq: 07 Apr 2018 13:30

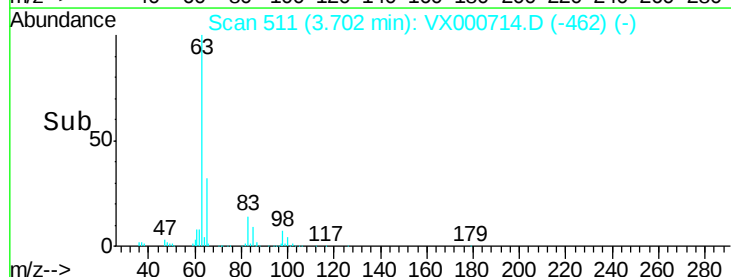
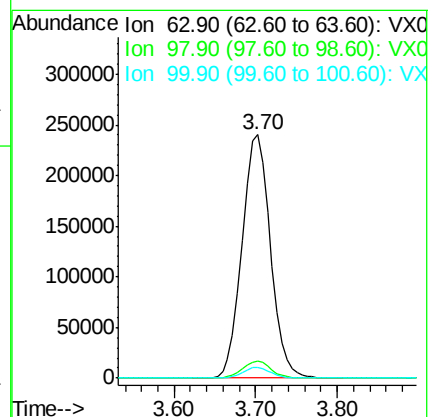
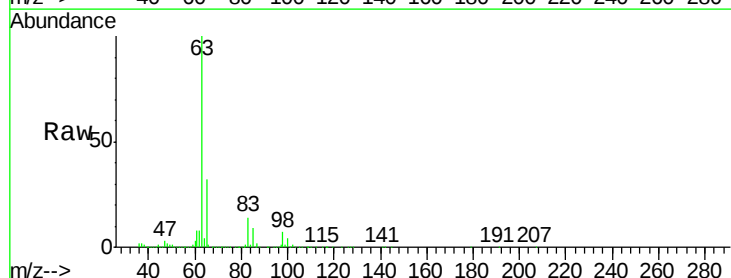
Tgt Ion: 63 Resp: 578347

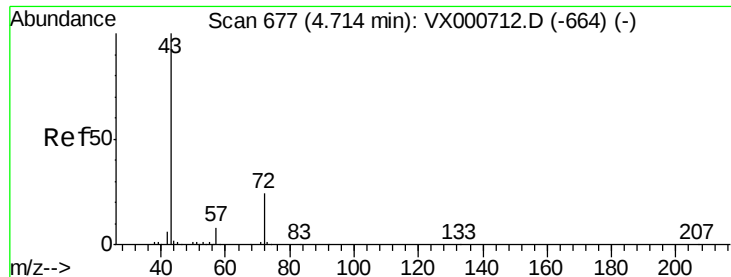
Ion Ratio Lower Upper

63 100

98 6.9 2.9 8.8

100 4.3 2.1 6.3





#25

2-Butanone

Concen: 705.573 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX000714.D

Acq: 07 Apr 2018 13:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 43 Resp: 1243930

Ion Ratio Lower Upper

43 100

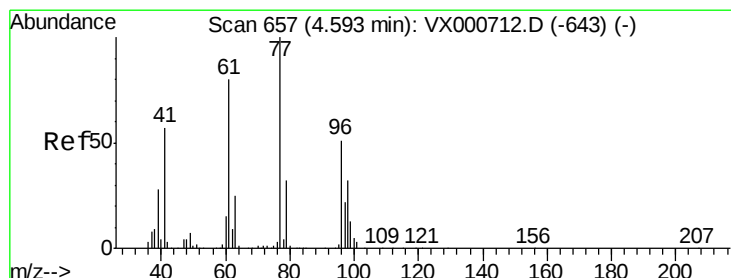
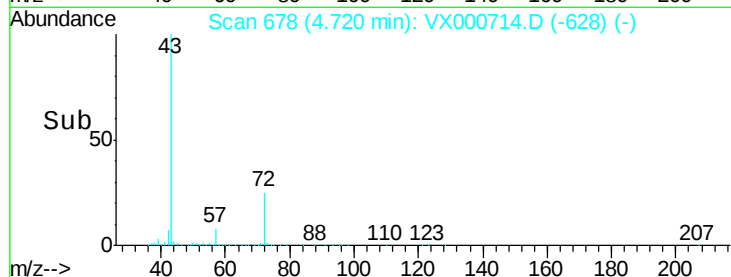
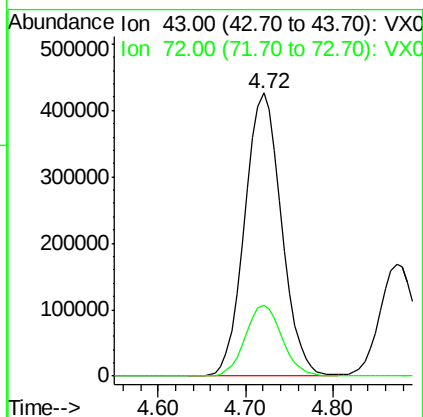
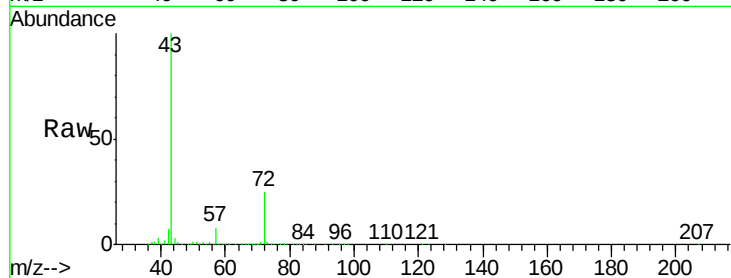
72 24.9 19.0 28.4

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#26

2,2-Dichloropropane

Concen: 139.638 ug/l

RT: 4.59 min Scan# 657

Delta R.T. -0.00 min

Lab File: VX000714.D

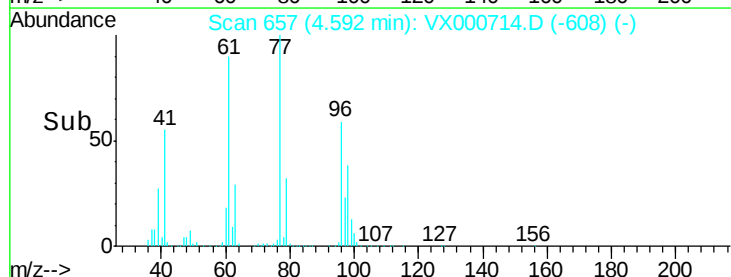
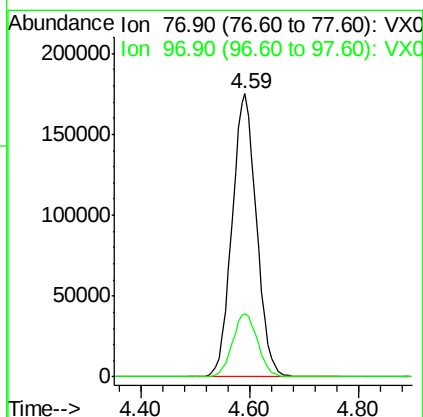
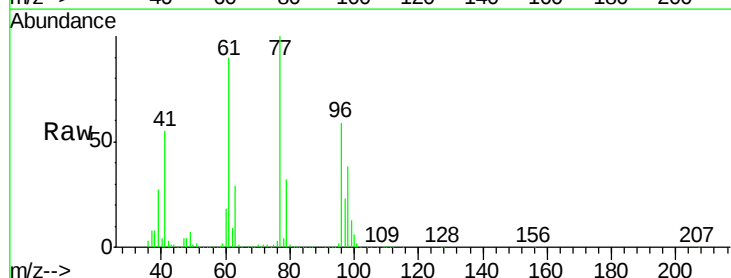
Acq: 07 Apr 2018 13:30

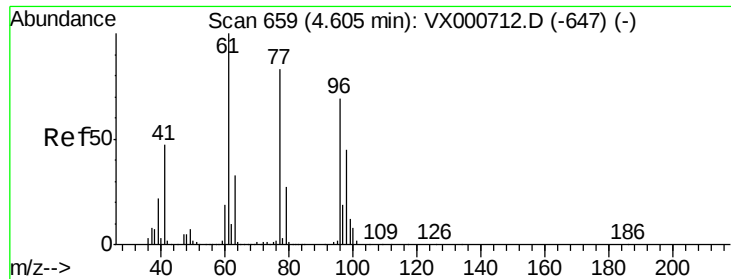
Tgt Ion: 77 Resp: 546417

Ion Ratio Lower Upper

77 100

97 22.9 11.3 33.9





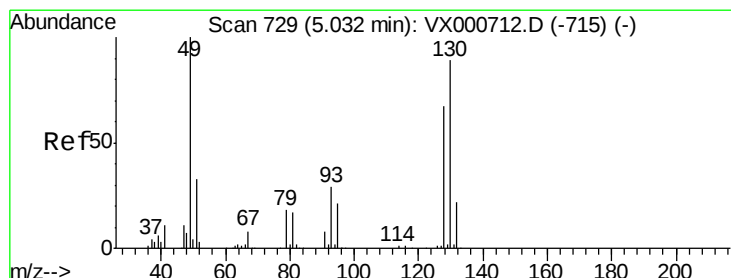
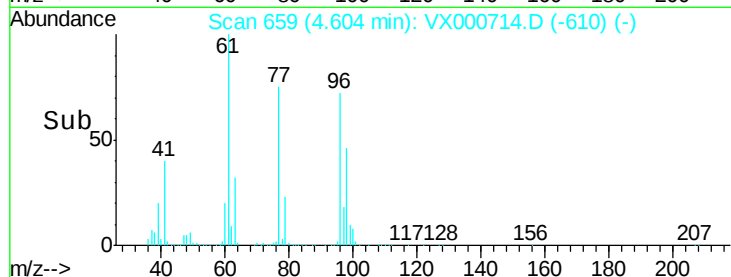
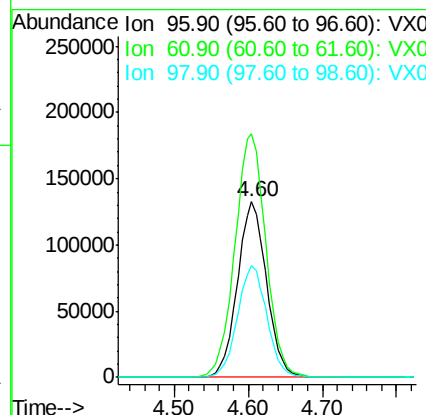
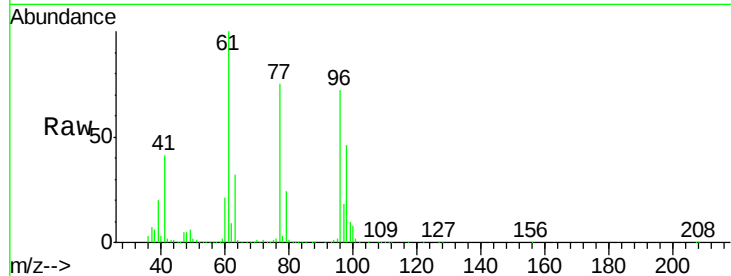
#27
 cis-1,2-Dichloroethene
 Concen: 142.746 ug/l
 RT: 4.60 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VX000714.D
 Acq: 07 Apr 2018 13:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	361831		
61	148.1	0.0	301.0	
98	64.4	0.0	129.6	

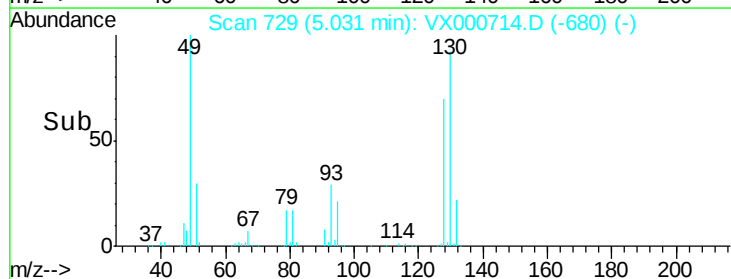
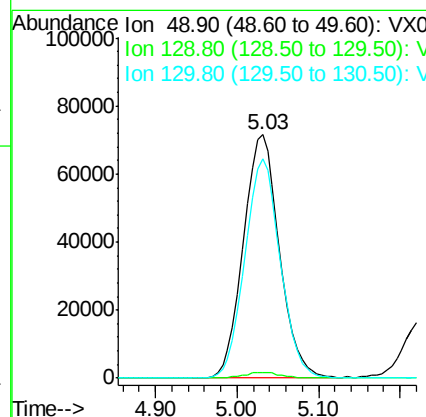
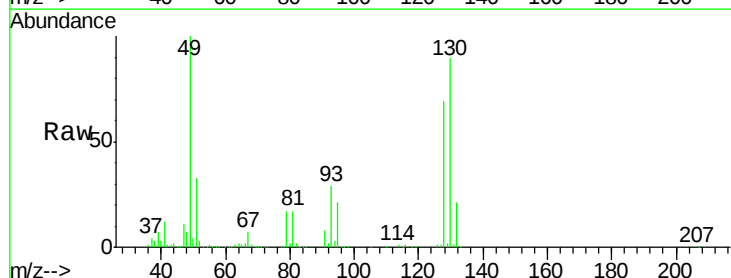
Manual Integrations
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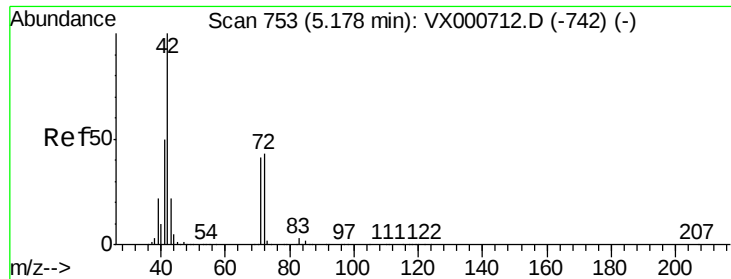
sam
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#28
 Bromochloromethane
 Concen: 126.674 ug/l
 RT: 5.03 min Scan# 729
 Delta R.T. -0.00 min
 Lab File: VX000714.D
 Acq: 07 Apr 2018 13:30

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	220209		
129	2.5	0.0	5.4	
130	88.4	69.0	103.4	





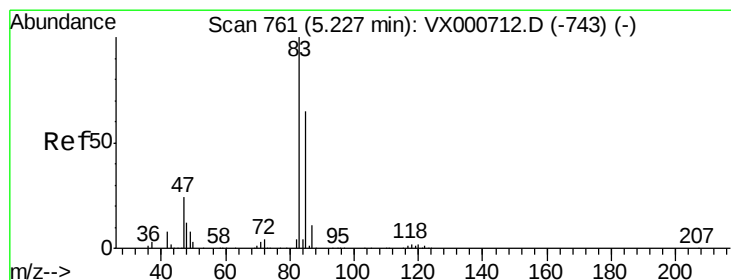
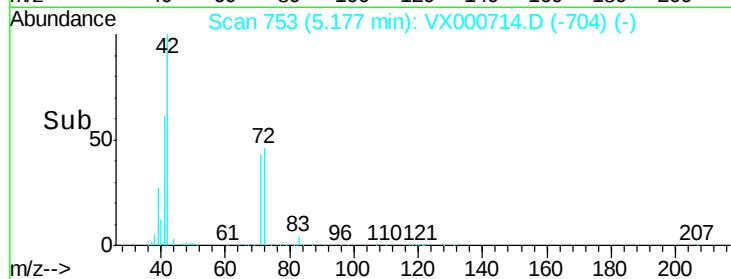
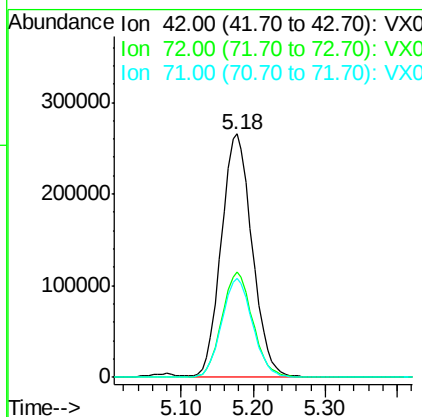
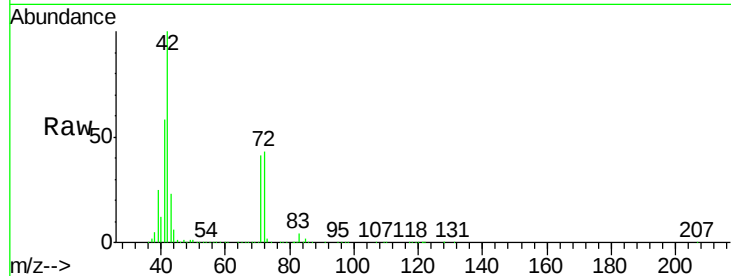
#29
Tetrahydrofuran
Concen: 701.958 ug/l
RT: 5.18 min Scan# 753
Delta R.T. -0.00 min
Lab File: VX000714.D
Acq: 07 Apr 2018 13:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
42	100		
72	43.4	34.4	51.6
71	40.6	32.0	48.0

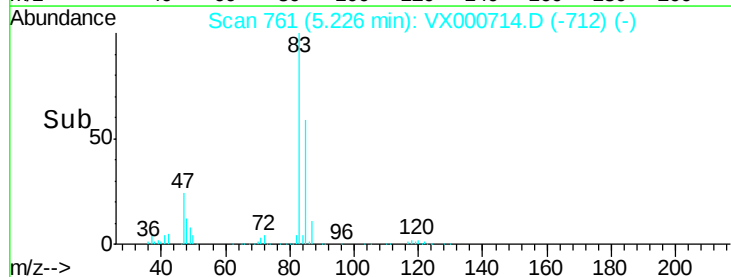
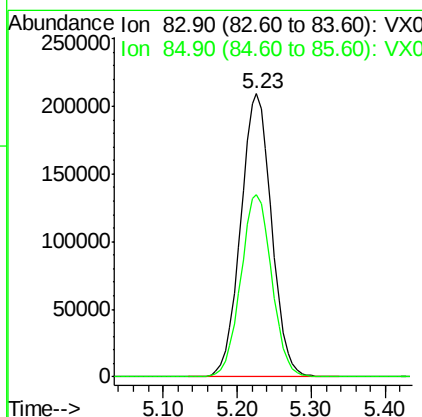
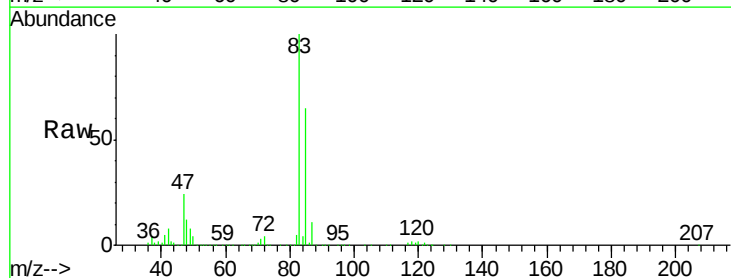
Manual Integrations
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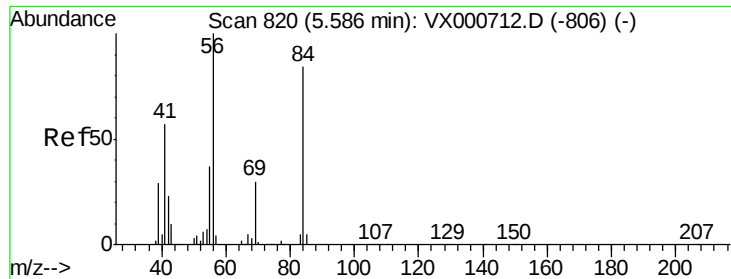
sam
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#30
Chloroform
Concen: 143.402 ug/l
RT: 5.23 min Scan# 761
Delta R.T. -0.00 min
Lab File: VX000714.D
Acq: 07 Apr 2018 13:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.3	78.5





#31

Cyclohexane

Concen: 138.639 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.01 min

Lab File: VX000714.D

Acq: 07 Apr 2018 13:30

Instrument :

MSVOA_X

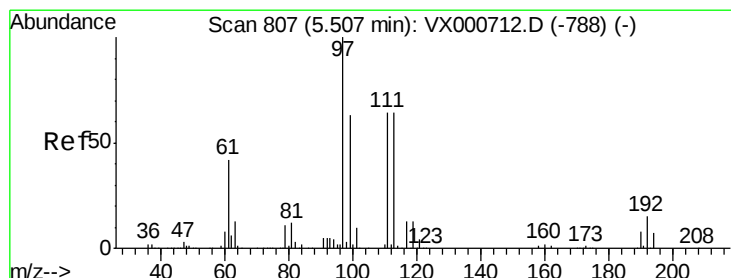
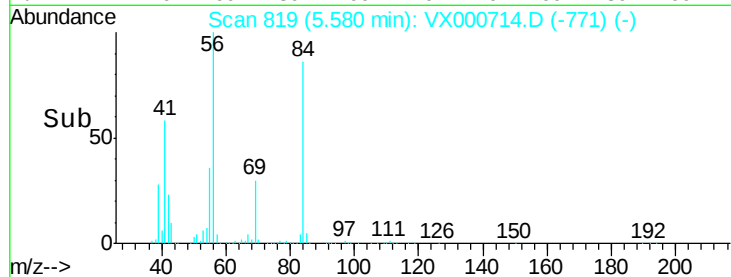
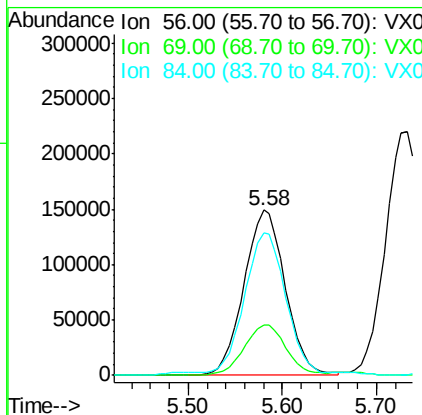
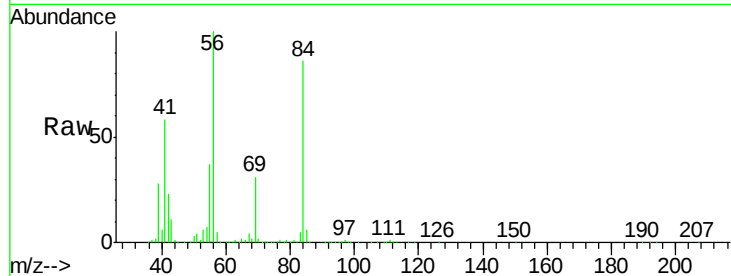
ClientSampleId :

VSTDIC150

Tgt Ion:	56	Resp:	455855
Ion Ratio		Lower	Upper
56	100		
69	30.4	23.8	35.6
84	84.6	67.4	101.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 140.297 ug/l

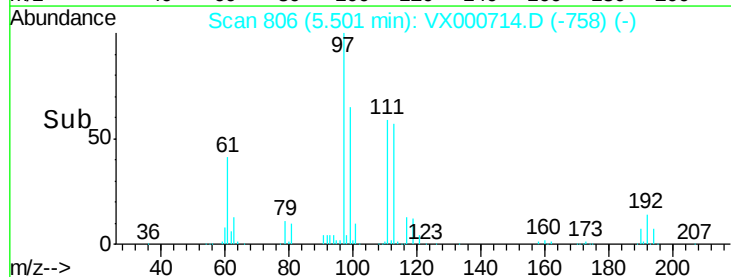
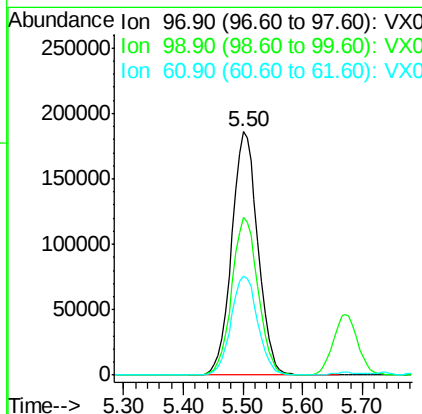
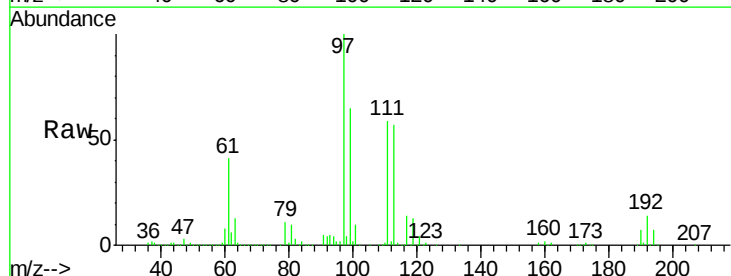
RT: 5.50 min Scan# 806

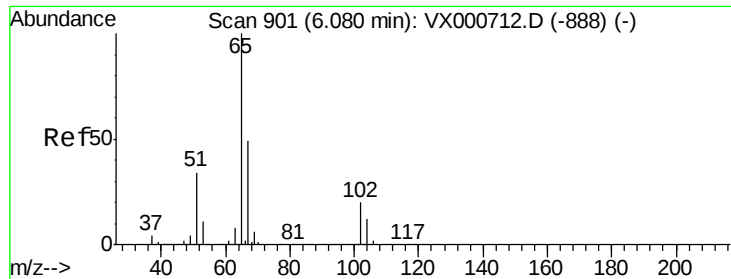
Delta R.T. -0.01 min

Lab File: VX000714.D

Acq: 07 Apr 2018 13:30

Tgt Ion:	97	Resp:	565915
Ion Ratio		Lower	Upper
97	100		
99	65.3	51.4	77.2
61	41.7	34.2	51.4





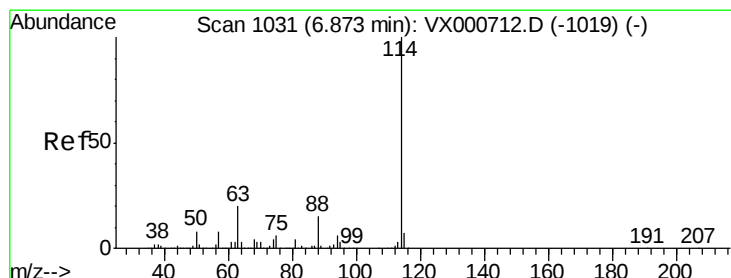
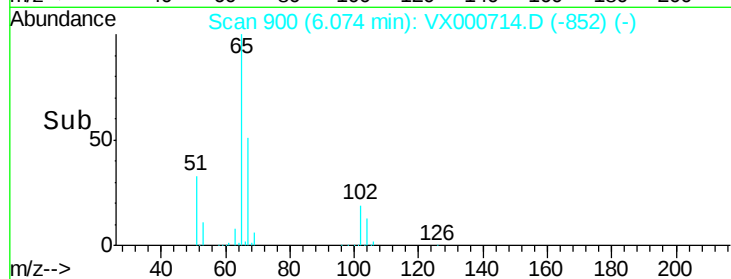
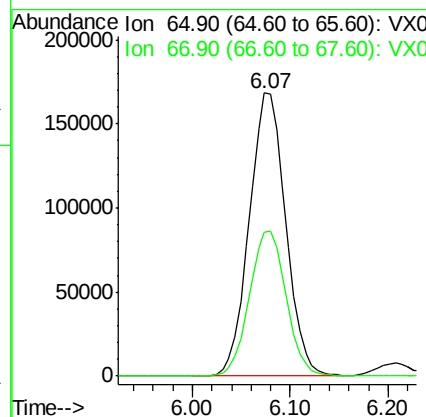
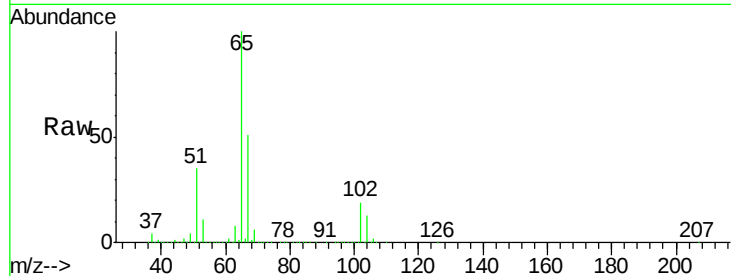
#33
 1,2-Dichloroethane-d4
 Concen: 143.457 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: VX000714.D
 Acq: 07 Apr 2018 13:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	437115		
67	51.6	0.0	102.6	

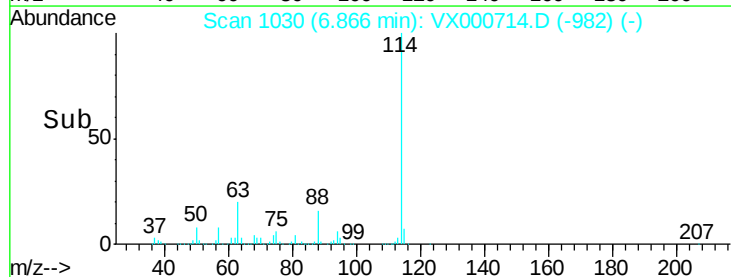
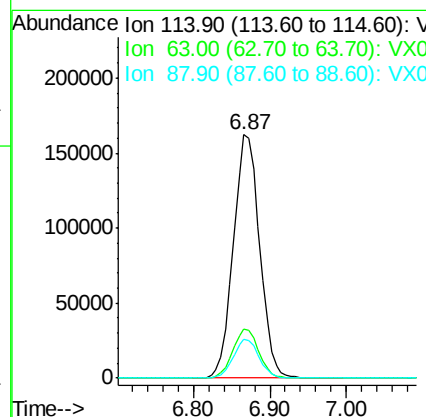
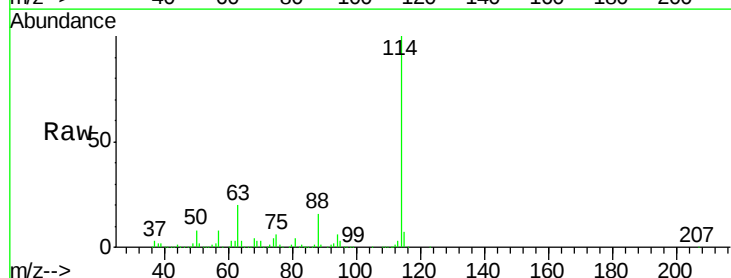
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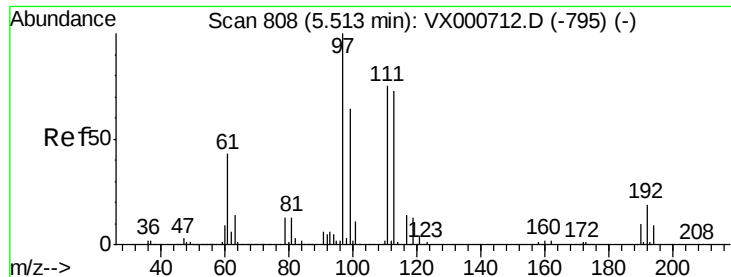
sam
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.01 min
 Lab File: VX000714.D
 Acq: 07 Apr 2018 13:30

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	385720		
63	19.9	0.0	39.6	
88	15.8	0.0	30.6	





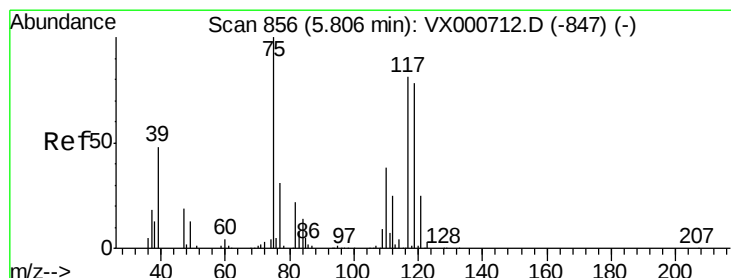
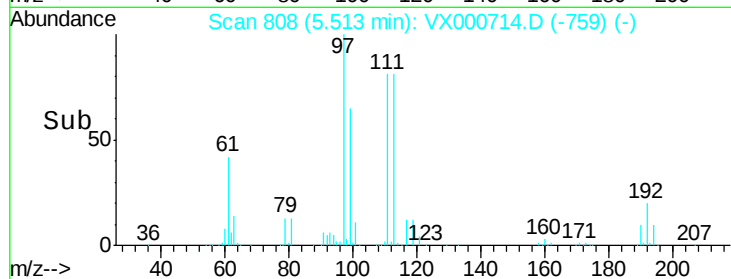
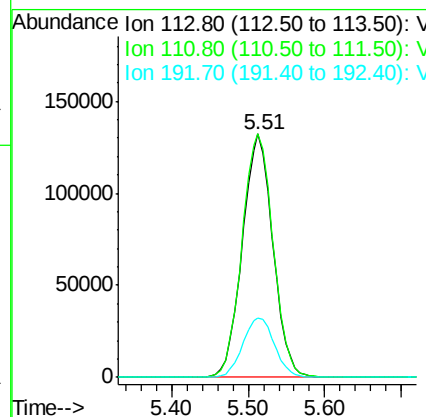
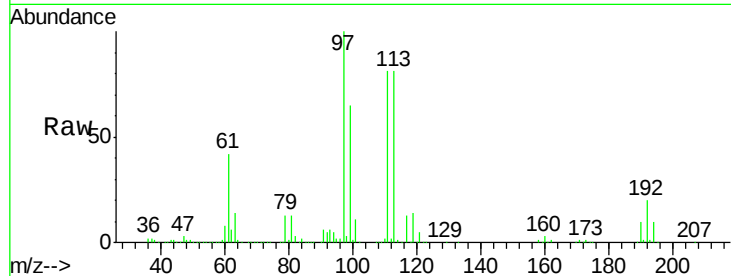
#35
 Dibromofluoromethane
 Concen: 144.962 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX000714.D
 Acq: 07 Apr 2018 13:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	365221		
111	102.2	81.5	122.3	
192	25.5	20.0	30.0	

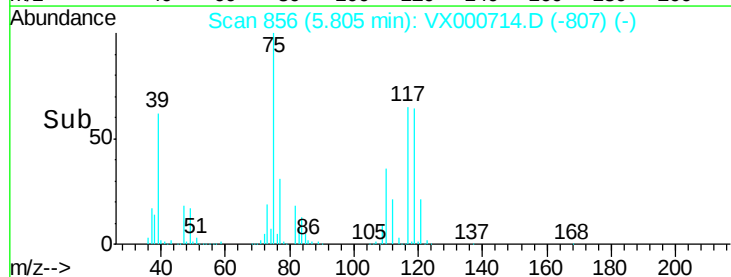
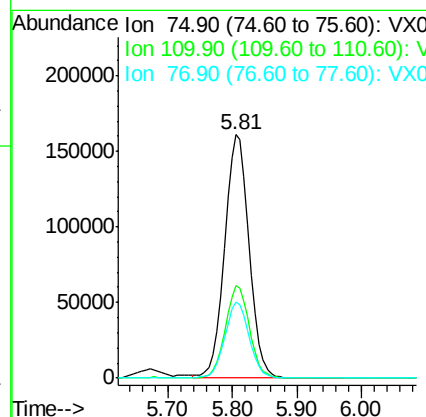
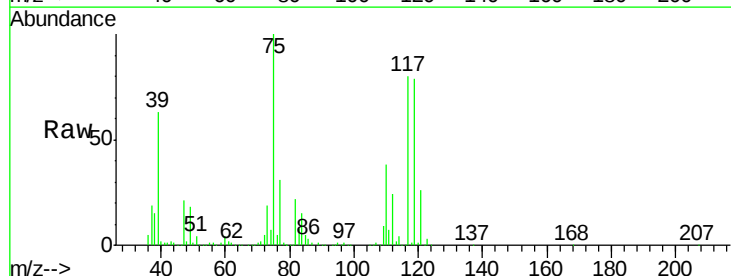
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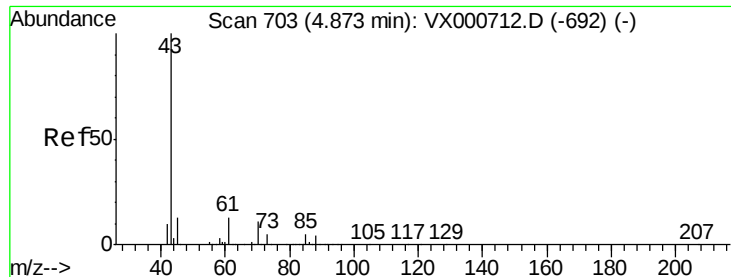
sam
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#36
 1,1-Dichloropropene
 Concen: 141.002 ug/l
 RT: 5.81 min Scan# 856
 Delta R.T. -0.00 min
 Lab File: VX000714.D
 Acq: 07 Apr 2018 13:30

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	430829		
110	37.2	18.6	56.0	
77	30.7	24.6	37.0	





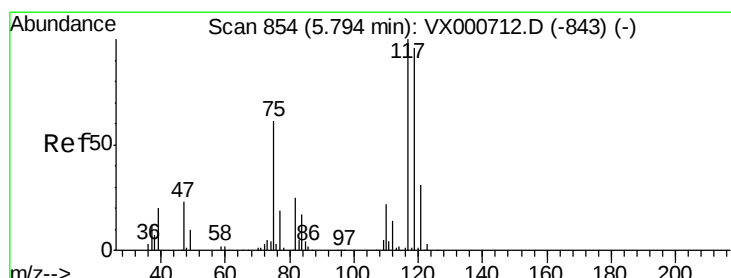
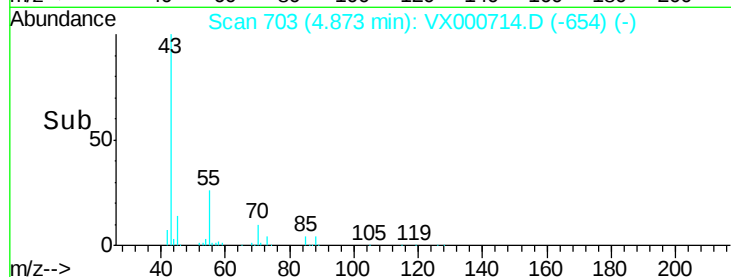
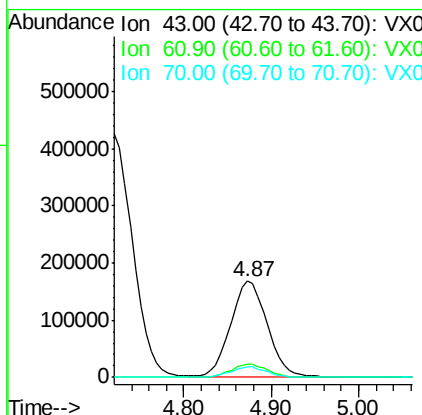
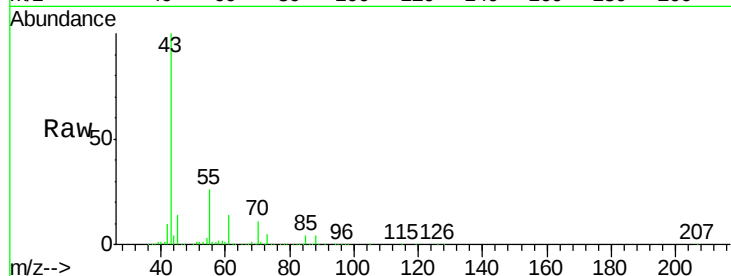
#37
Ethyl Acetate
Concen: 140.322 ug/l
RT: 4.87 min Scan# 703
Delta R.T. -0.00 min
Lab File: VX000714.D
Acq: 07 Apr 2018 13:30

Instrument :
MSVOA_X
ClientSampled :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.5	15.7
70	10.8	8.4	12.6

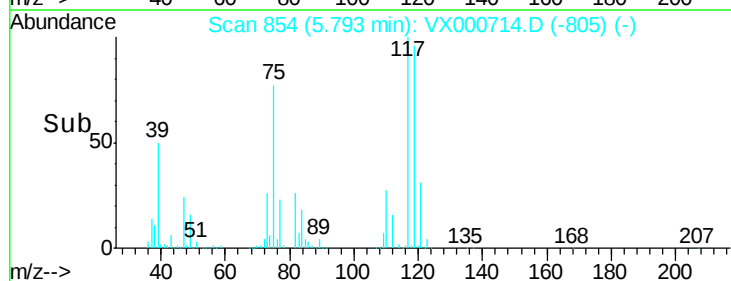
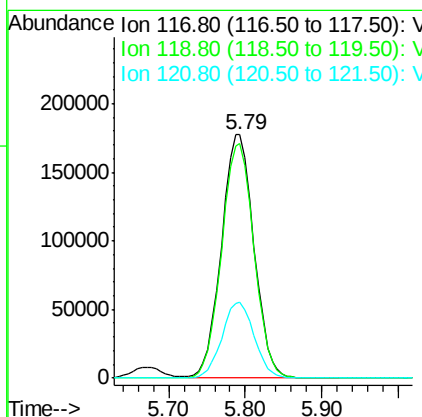
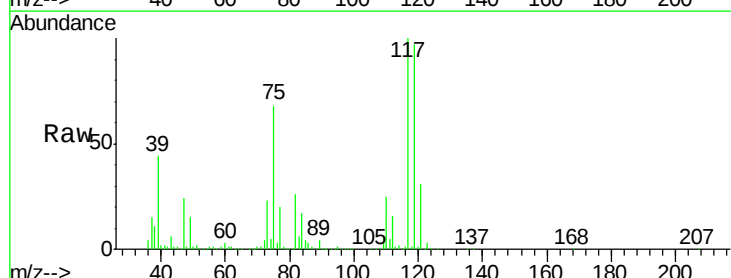
Manual Integrations
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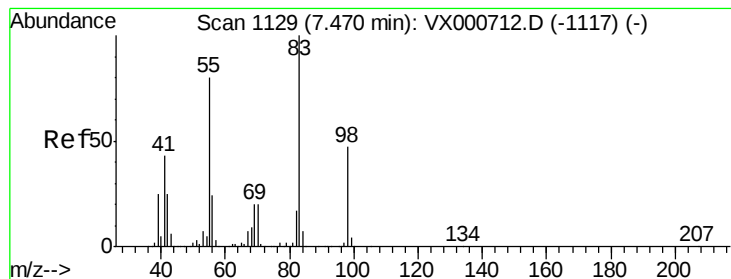
sam
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#38
Carbon Tetrachloride
Concen: 140.121 ug/l
RT: 5.79 min Scan# 854
Delta R.T. -0.00 min
Lab File: VX000714.D
Acq: 07 Apr 2018 13:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.6	76.7	115.1
121	31.2	24.7	37.1





#39

Methylcyclohexane

Concen: 140.704 ug/l

RT: 7.47 min Scan# 1129

Delta R.T. -0.00 min

Lab File: VX000714.D

Acq: 07 Apr 2018 13:30

Instrument :

MSVOA_X

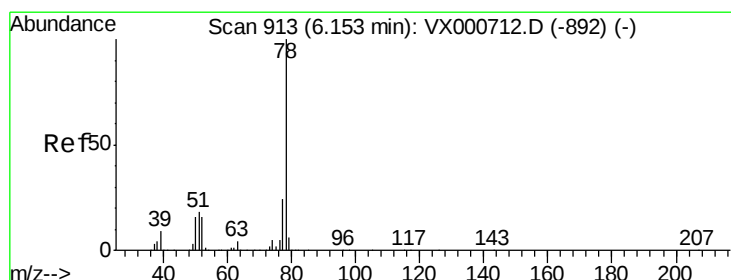
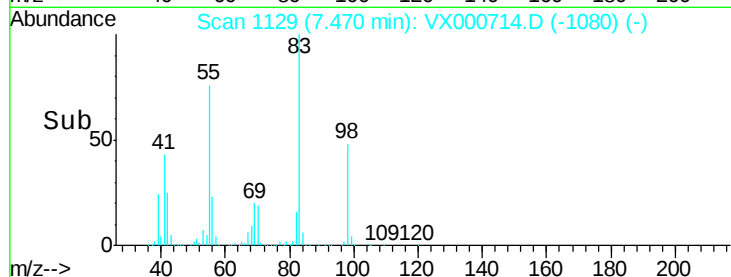
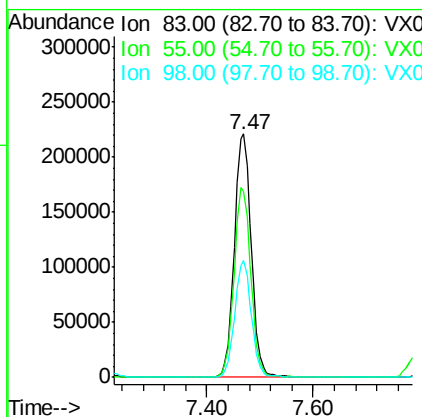
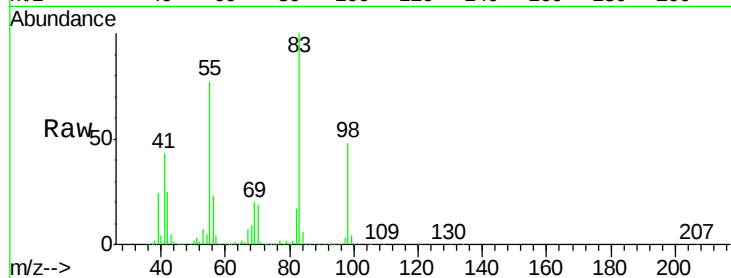
ClientSampleId :

VSTDIC150

Tgt Ion:	83	Resp:	494085
Ion Ratio	Lower	Upper	
83	100		
55	76.4	63.7	95.5
98	47.8	37.2	55.8

Manual Integrations
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#40

Benzene

Concen: 143.168 ug/l

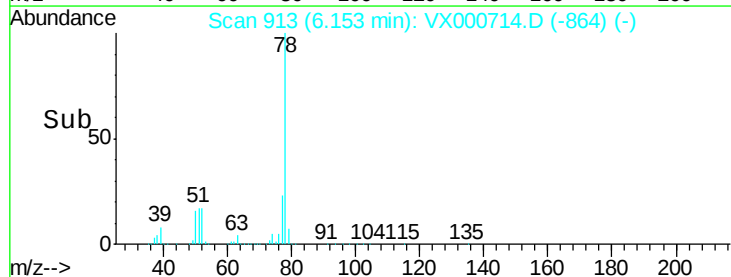
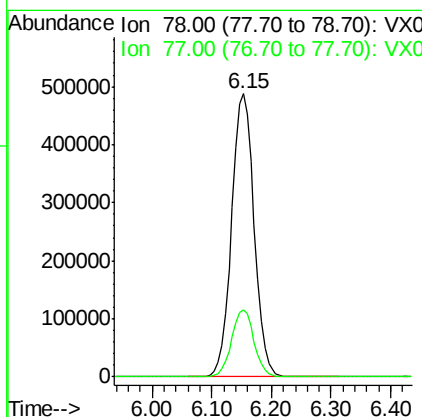
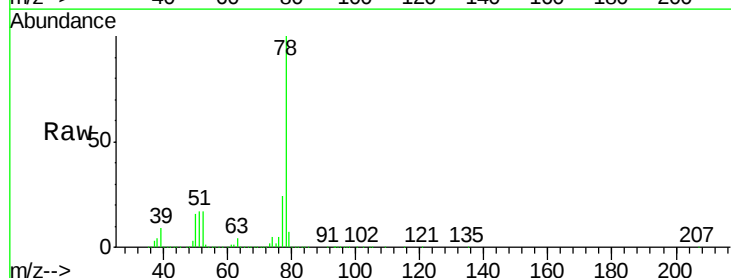
RT: 6.15 min Scan# 913

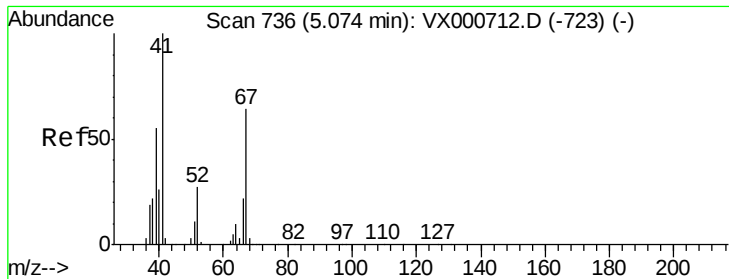
Delta R.T. -0.00 min

Lab File: VX000714.D

Acq: 07 Apr 2018 13:30

Tgt Ion:	78	Resp:	1275441
Ion Ratio	Lower	Upper	
78	100		
77	23.8	19.0	28.4





#41

Methacrylonitrile

Concen: 141.427 ug/l

RT: 5.07 min Scan# 736

Delta R.T. -0.00 min

Lab File: VX000714.D

Acq: 07 Apr 2018 13:30

Instrument :

MSVOA_X

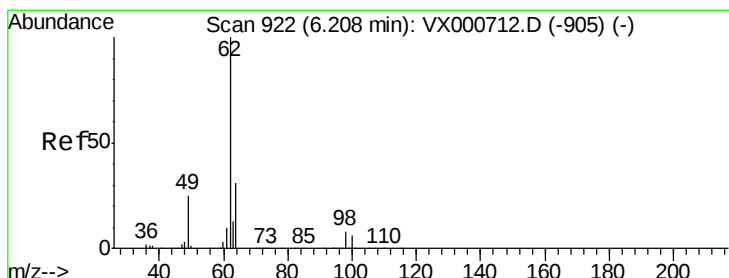
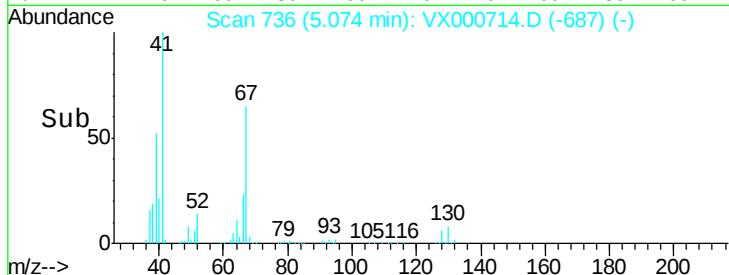
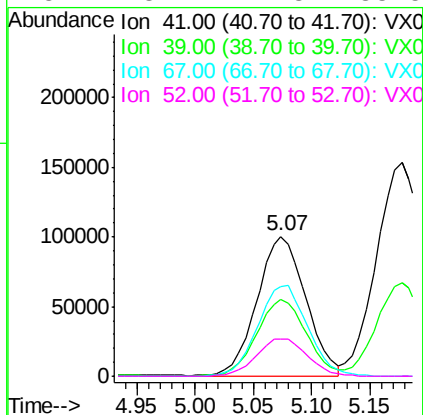
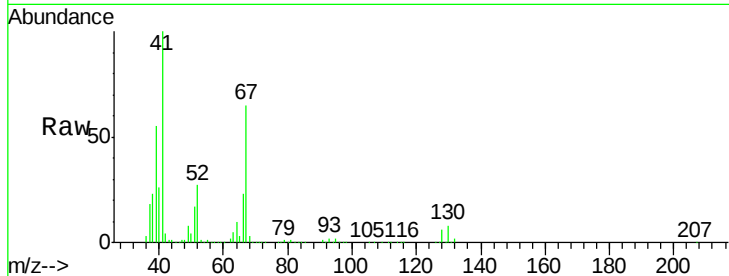
ClientSampleId :

VSTDIC150

Tgt Ion:	41	Resp:	289009
Ion	Ratio	Lower	Upper
41	100		
39	55.9	45.3	67.9
67	66.9	52.7	79.1
52	28.1	22.3	33.5

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#42

1,2-Dichloroethane

Concen: 141.263 ug/l

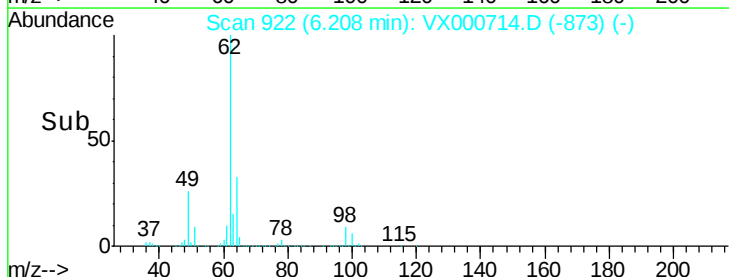
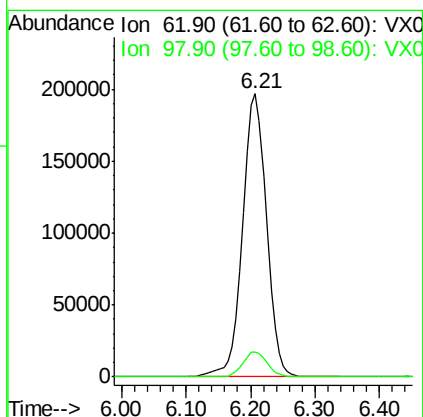
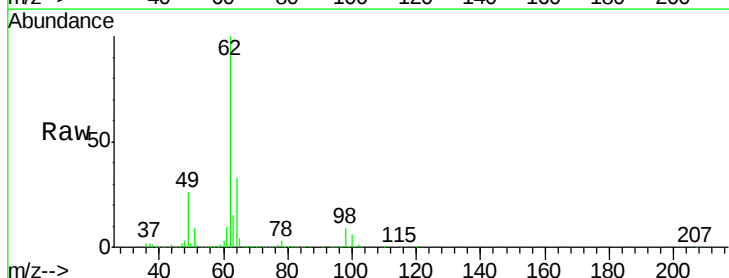
RT: 6.21 min Scan# 922

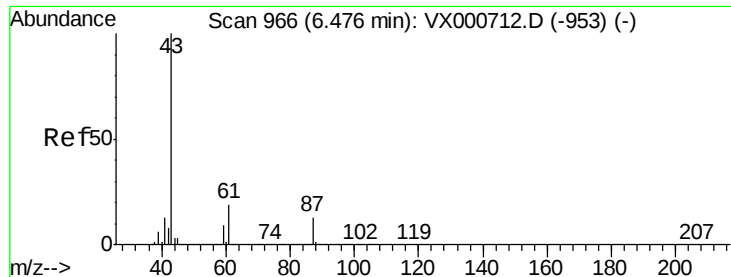
Delta R.T. -0.00 min

Lab File: VX000714.D

Acq: 07 Apr 2018 13:30

Tgt Ion:	62	Resp:	501047
Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	17.2





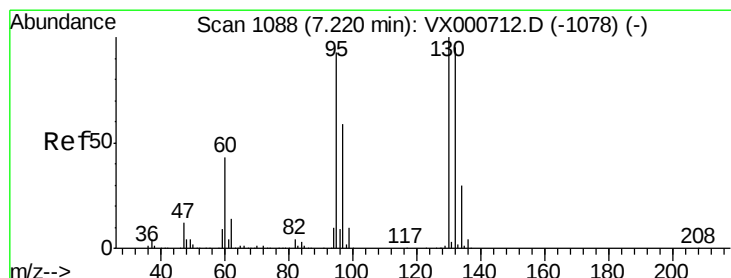
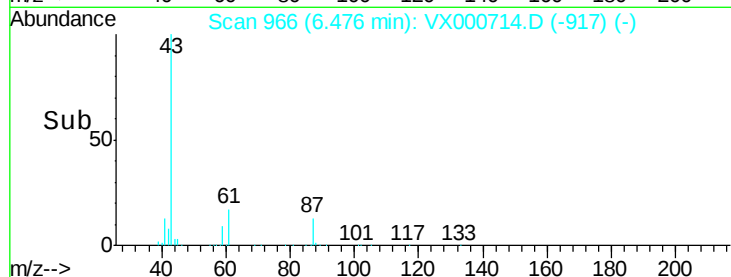
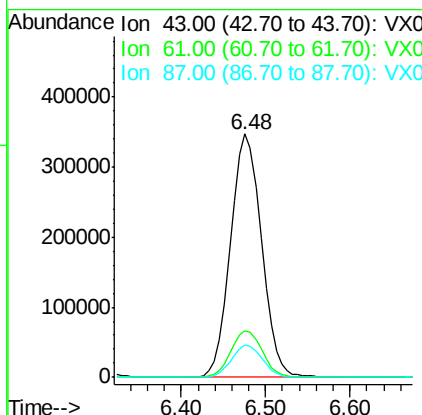
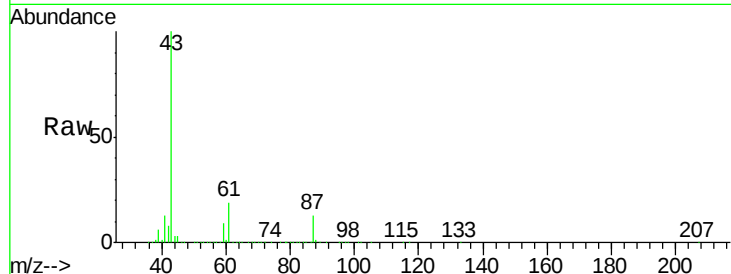
#43
Isopropyl Acetate
Concen: 141.601 ug/l
RT: 6.48 min Scan# 966
Delta R.T. -0.00 min
Lab File: VX000714.D
Acq: 07 Apr 2018 13:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
43	100		
61	19.4	15.4	23.0
87	13.2	10.4	15.6

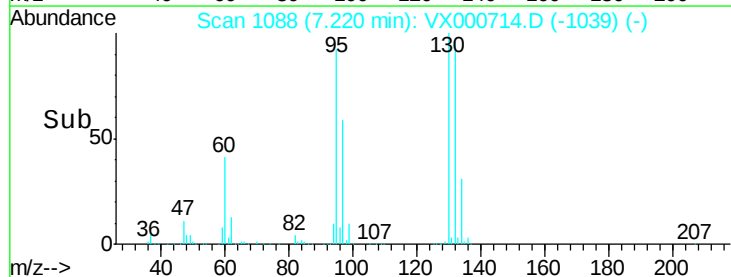
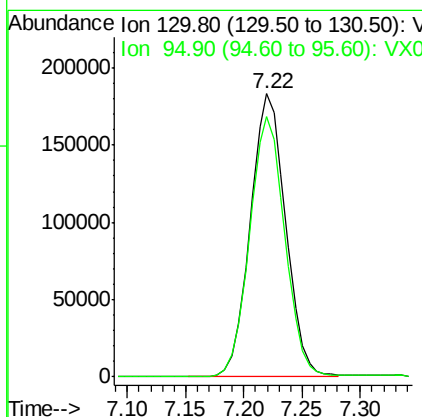
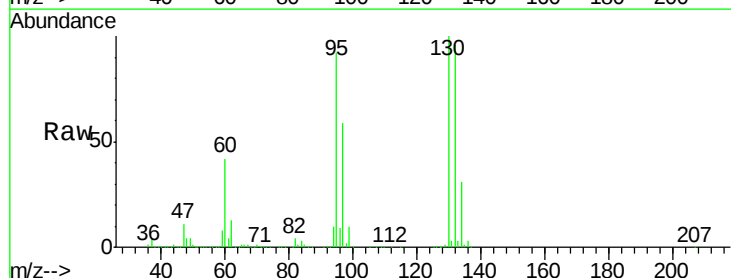
Manual Integrations
APPROVED

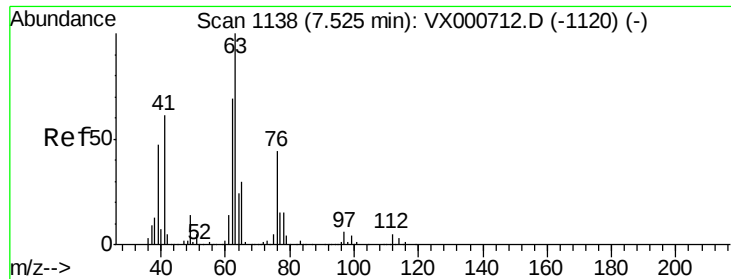
sam
4/9/2018 2:02:38 PM



#44
Trichloroethene
Concen: 140.818 ug/l
RT: 7.22 min Scan# 1088
Delta R.T. -0.00 min
Lab File: VX000714.D
Acq: 07 Apr 2018 13:30

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.7	0.0	185.4





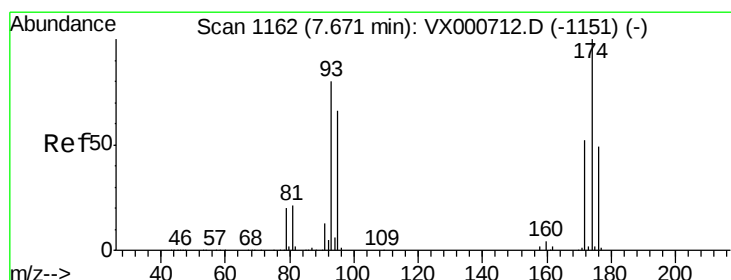
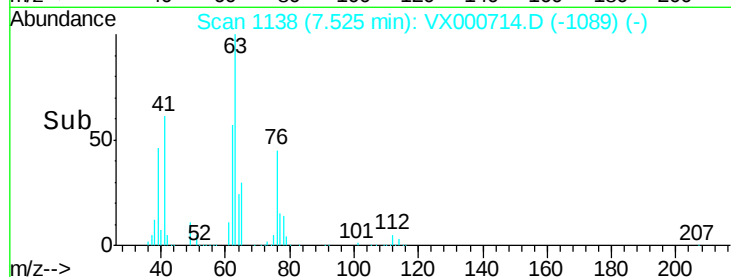
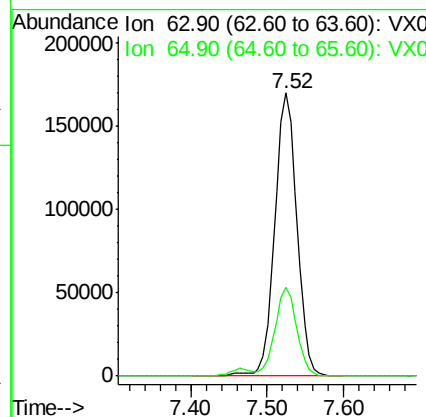
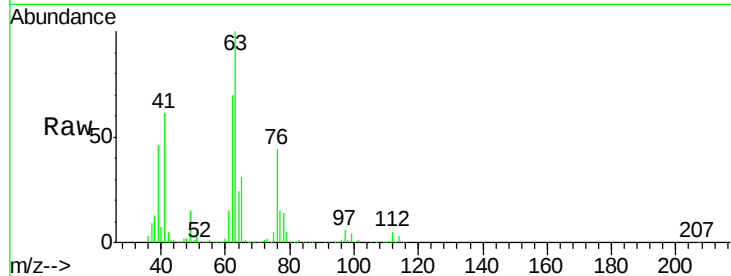
#45
 1,2-Dichloropropane
 Concen: 142.636 ug/l
 RT: 7.52 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VX000714.D
 Acq: 07 Apr 2018 13:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tgt Ion: 63 Resp: 342590
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.2 36.2

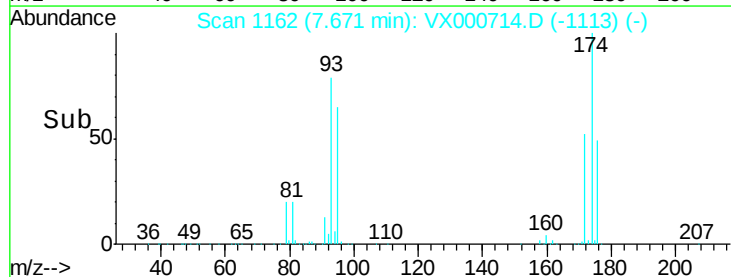
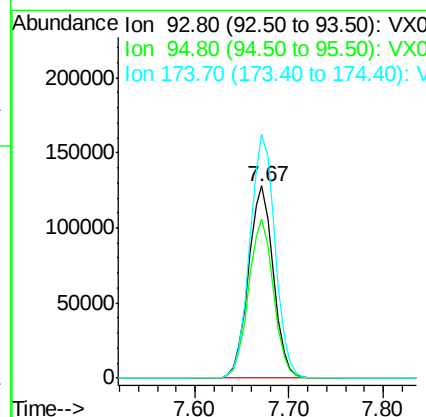
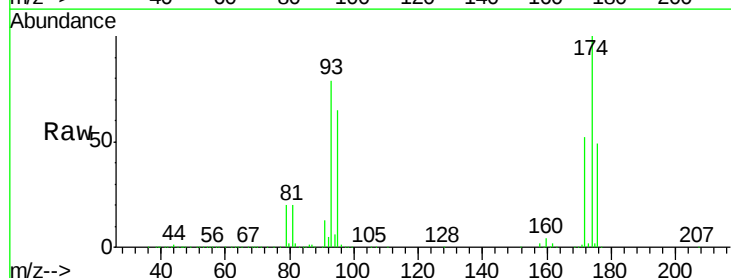
Manual Integrations
 APPROVED

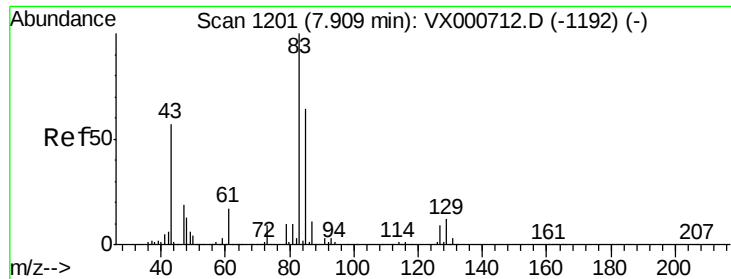
sam
 4/9/2018 2:02:38 PM



#46
 Dibromomethane
 Concen: 143.949 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. -0.00 min
 Lab File: VX000714.D
 Acq: 07 Apr 2018 13:30

Tgt Ion: 93 Resp: 236994
 Ion Ratio Lower Upper
 93 100
 95 82.8 66.0 99.0
 174 128.2 100.2 150.2





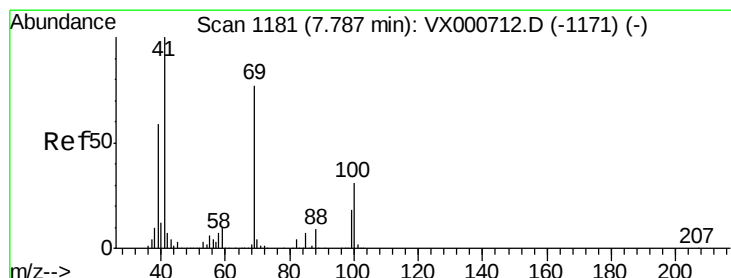
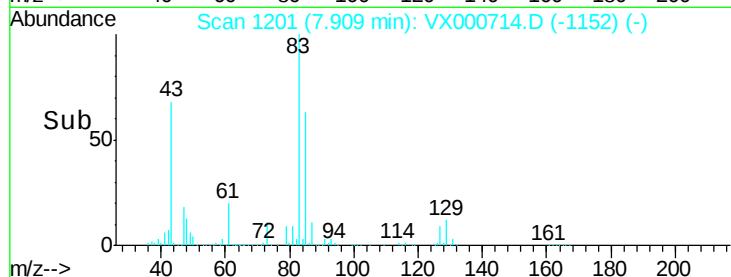
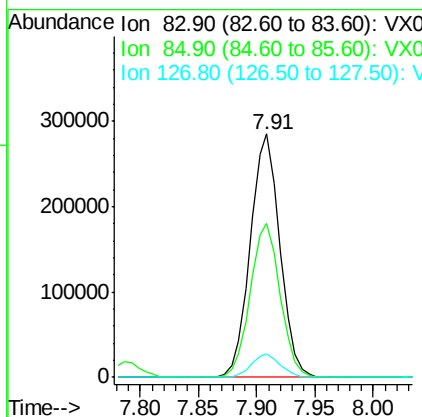
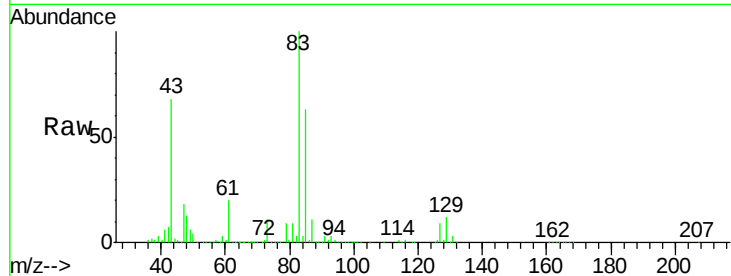
#47
 Bromodichloromethane
 Concen: 145.319 ug/l
 RT: 7.91 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: VX000714.D
 Acq: 07 Apr 2018 13:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.2	51.0	76.4
127	9.5	7.4	11.2

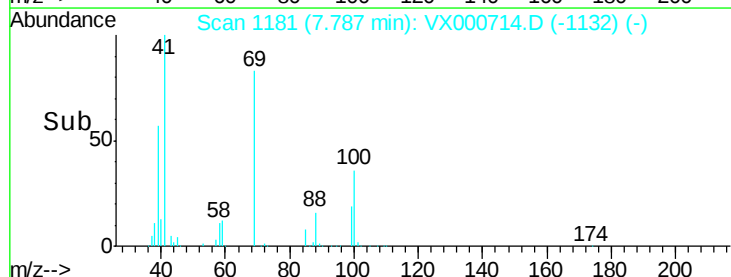
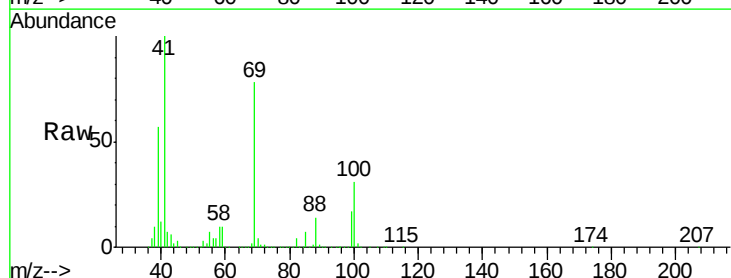
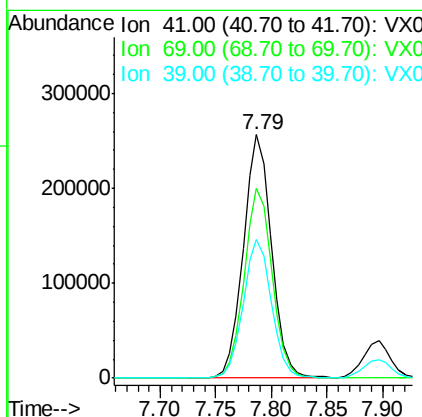
Manual Integrations
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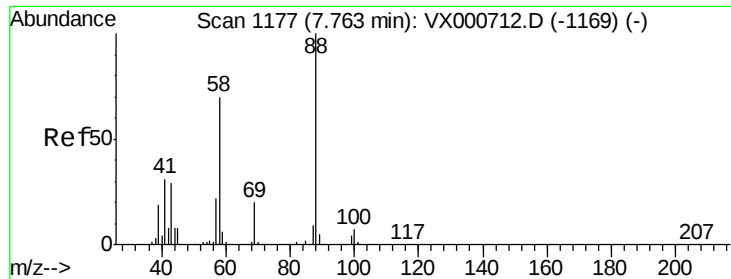
sam
 4/9/2018 2:02:38 PM



#48
 Methyl methacrylate
 Concen: 143.260 ug/l
 RT: 7.79 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VX000714.D
 Acq: 07 Apr 2018 13:30

Tgt Ion	Ratio	Lower	Upper
41	100		
69	78.0	62.0	93.0
39	56.9	47.0	70.4





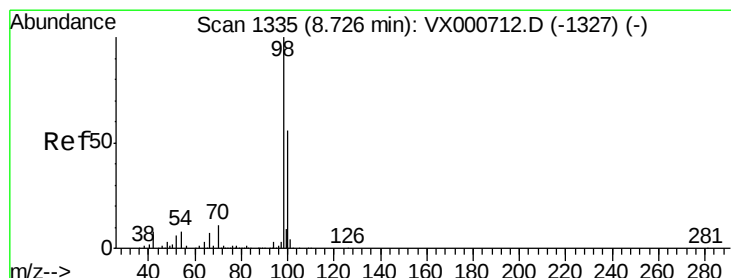
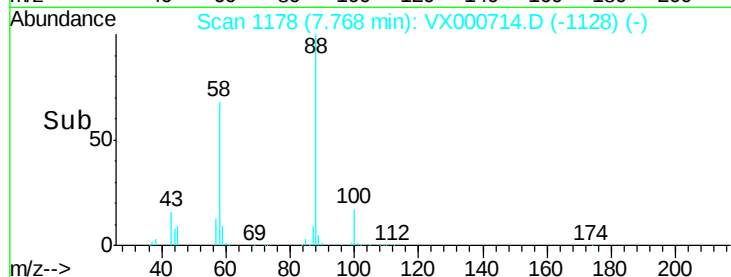
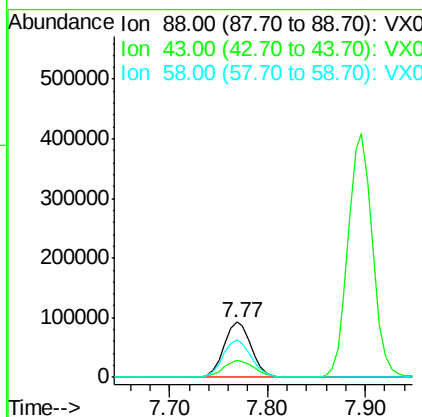
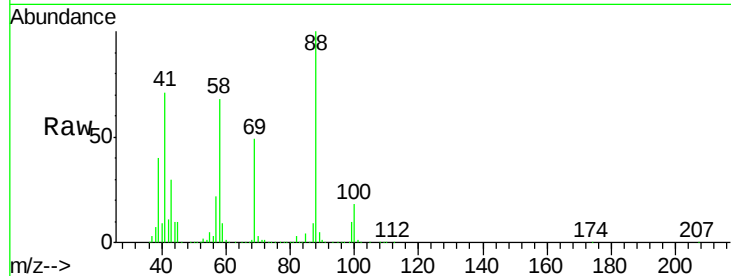
#49
1,4-Dioxane
Concen: 2822.482 ug/l
RT: 7.77 min Scan# 1178
Delta R.T. 0.01 min
Lab File: VX000714.D
Acq: 07 Apr 2018 13:30

Instrument :
MSVOA_X
ClientSampled :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
88	100		
43	34.0	27.9	41.9
58	69.7	57.0	85.4

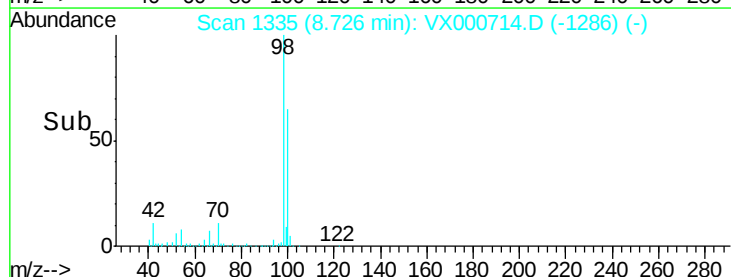
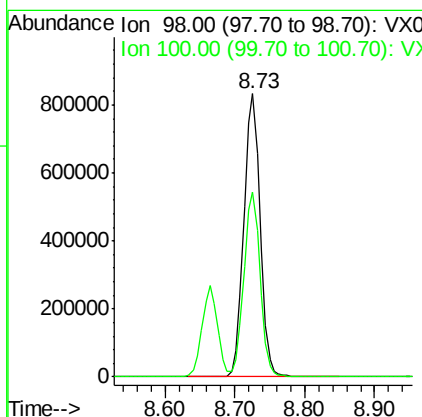
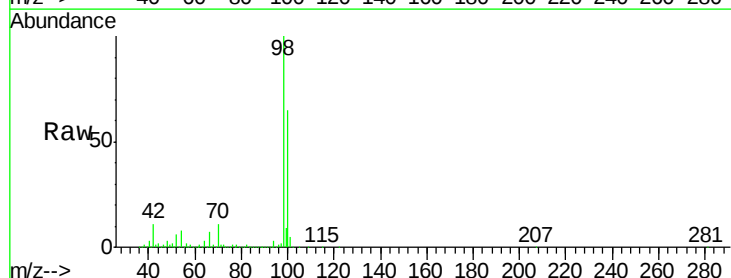
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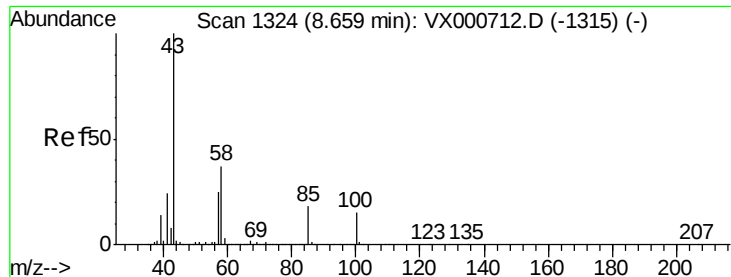
sam
4/9/2018 2:02:38 PM



#50
Toluene-d8
Concen: 145.611 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VX000714.D
Acq: 07 Apr 2018 13:30

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.6	78.8





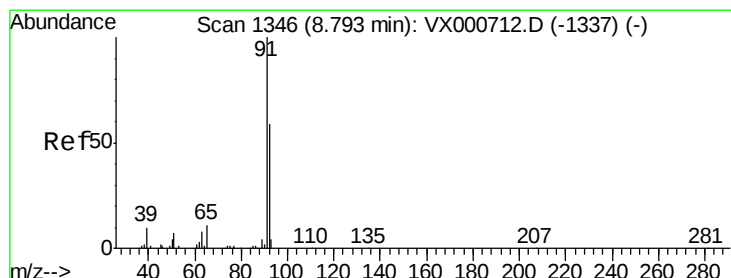
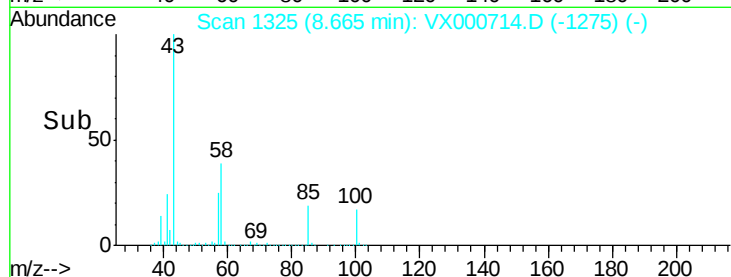
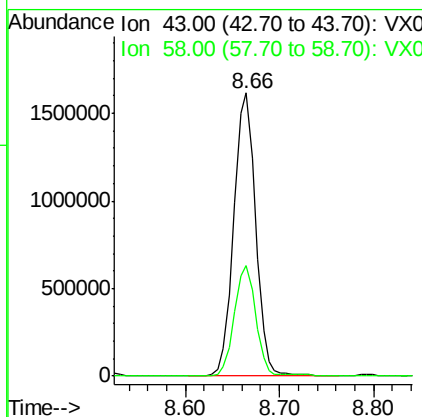
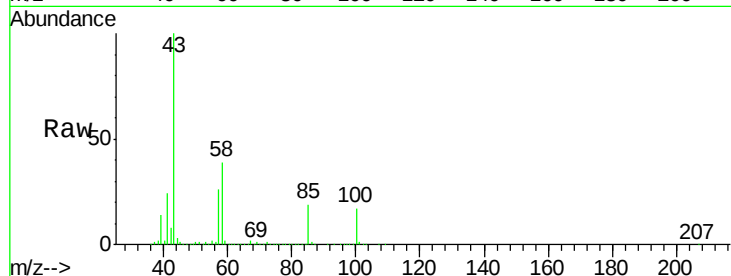
#51
 4-Methyl-2-Pentanone
 Concen: 720.824 ug/l
 RT: 8.66 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: VX000714.D
 Acq: 07 Apr 2018 13:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tgt Ion: 43 Resp: 2611671
 Ion Ratio Lower Upper
 43 100
 58 38.2 30.6 46.0

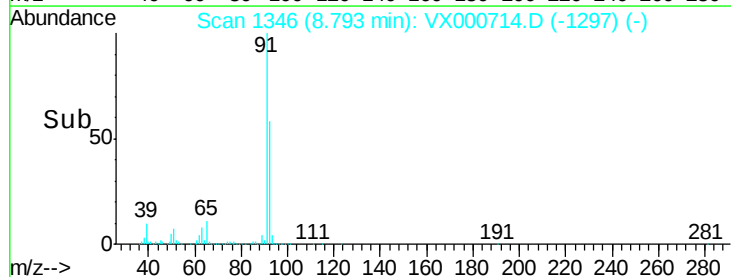
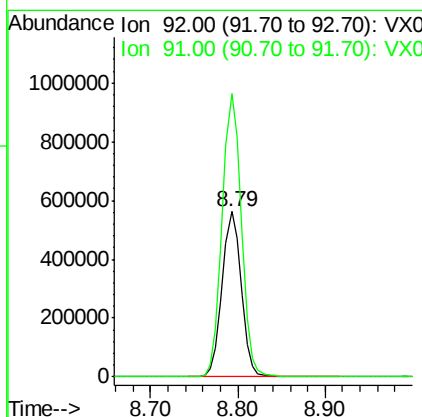
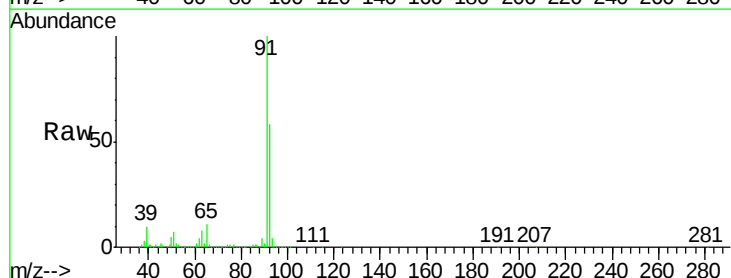
Manual Integrations
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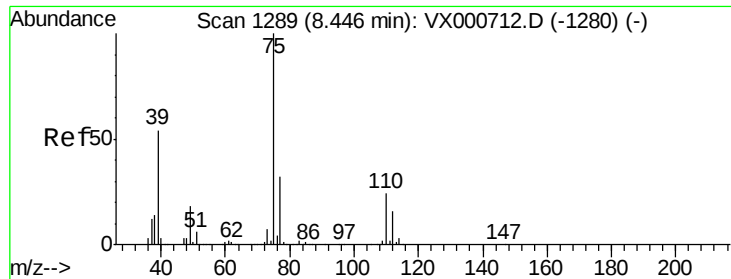
sam
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#52
 Toluene
 Concen: 142.817 ug/l
 RT: 8.79 min Scan# 1346
 Delta R.T. -0.00 min
 Lab File: VX000714.D
 Acq: 07 Apr 2018 13:30

Tgt Ion: 92 Resp: 849832
 Ion Ratio Lower Upper
 92 100
 91 172.3 136.4 204.6





#53

t-1,3-Dichloropropene

Concen: 144.532 ug/l

RT: 8.45 min Scan# 1289

Delta R.T. -0.00 min

Lab File: VX000714.D

Acq: 07 Apr 2018 13:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 75 Resp: 596340

Ion Ratio Lower Upper

75 100

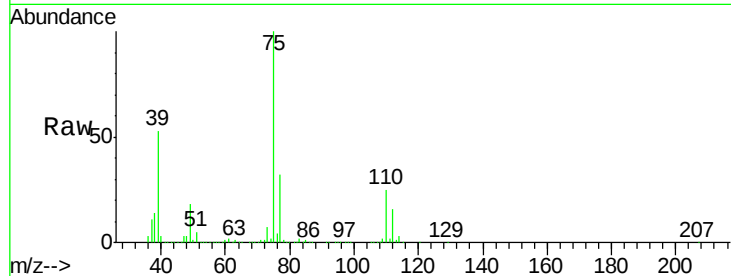
77 31.5 25.4 38.0

Manual Integrations

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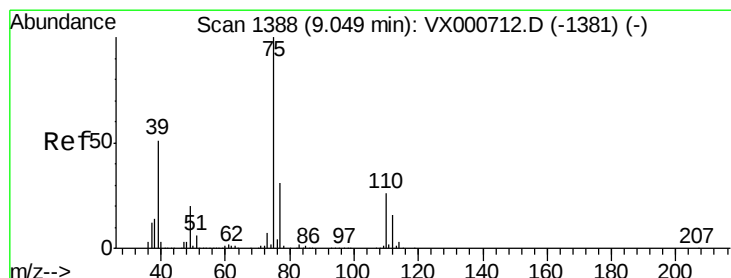
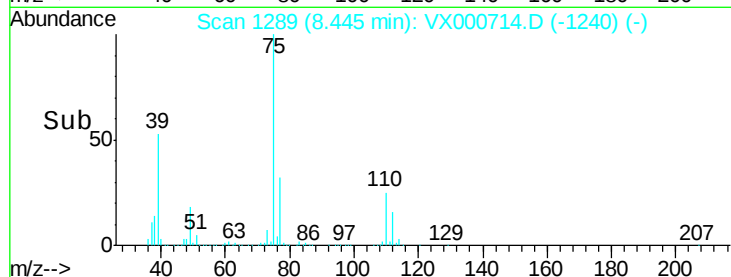
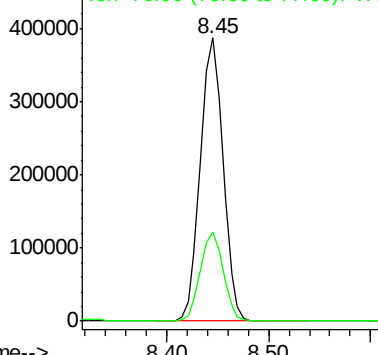
sam

4/9/2018 2:02:38 PM



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: 144.323 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. -0.00 min

Lab File: VX000714.D

Acq: 07 Apr 2018 13:30

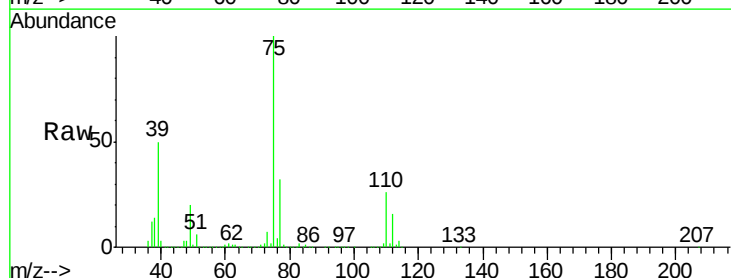
Tgt Ion: 75 Resp: 599363

Ion Ratio Lower Upper

75 100

77 31.6 25.2 37.8

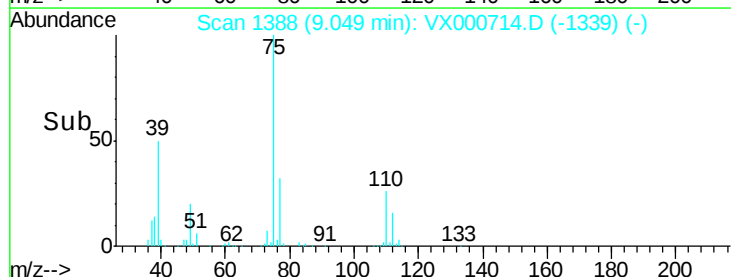
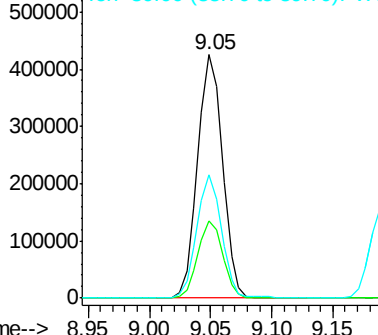
39 50.4 40.5 60.7

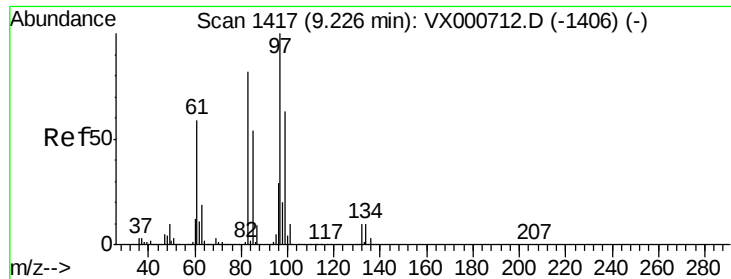


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





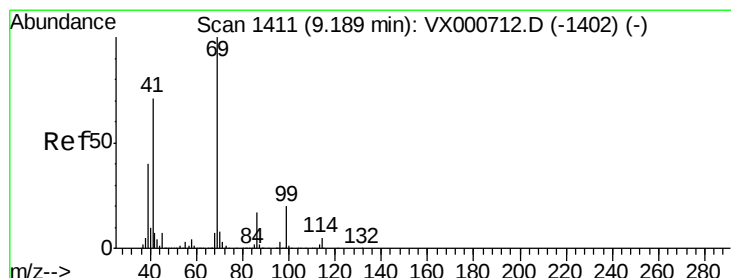
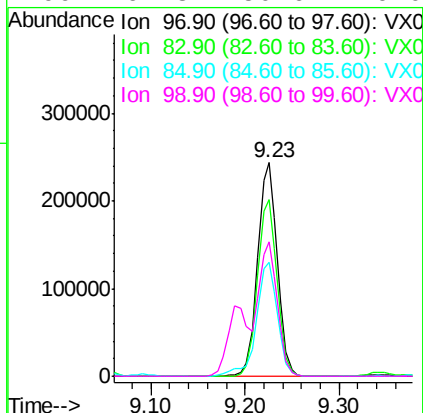
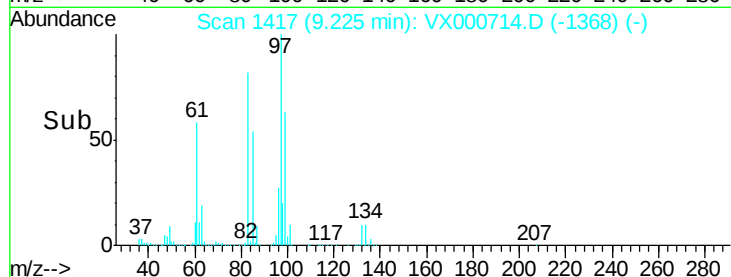
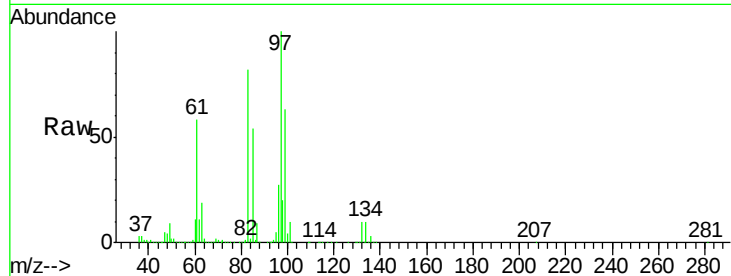
#55
 1,1,2-Trichloroethane
 Concen: 146.384 ug/l
 RT: 9.23 min Scan# 1417
 Delta R.T. -0.00 min
 Lab File: VX000714.D
 Acq: 07 Apr 2018 13:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100		360071		
83	82.4	65.7	98.5		
85	53.5	42.8	64.2		
99	62.8	50.6	76.0		

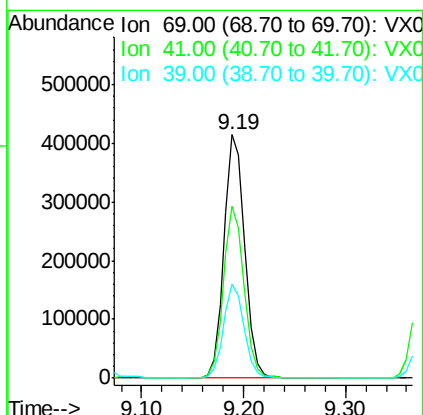
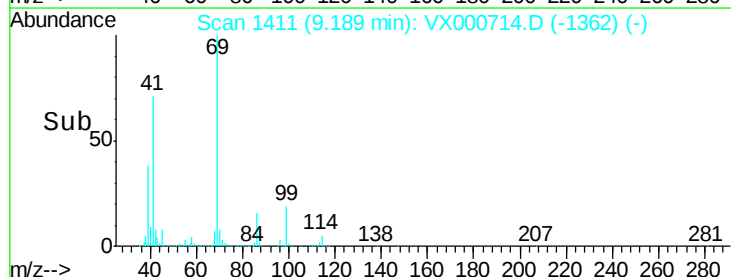
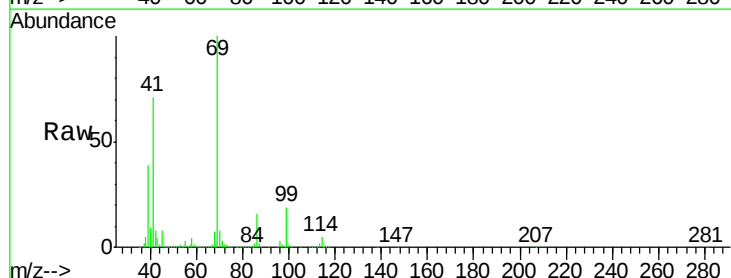
Manual Integrations
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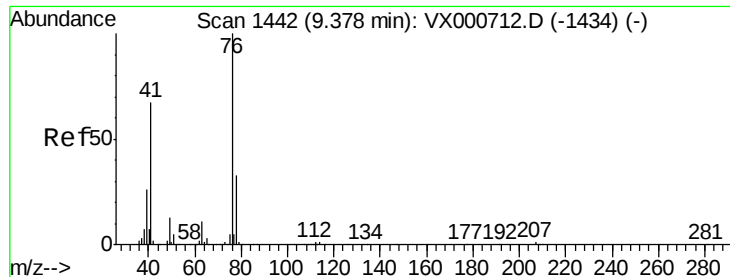
sam
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#56
 Ethyl methacrylate
 Concen: 145.656 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. -0.00 min
 Lab File: VX000714.D
 Acq: 07 Apr 2018 13:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		582439		
41	70.2	56.4	84.6		
39	38.1	31.4	47.2		





#57

1,3-Dichloropropane

Concen: 146.380 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX000714.D

Acq: 07 Apr 2018 13:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 76 Resp: 578759

Ion Ratio Lower Upper

76 100

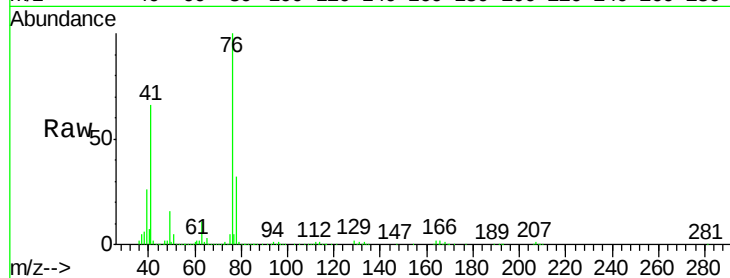
78 32.2 26.2 39.2

Manual Integrations

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sam

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.38

400000

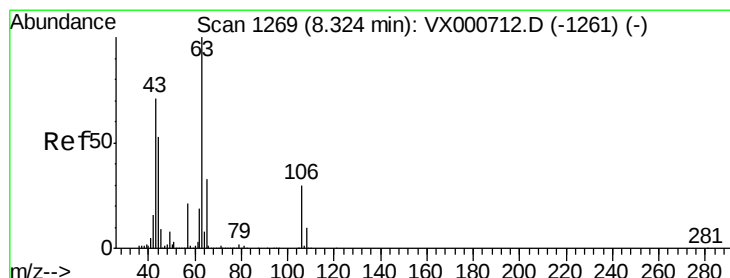
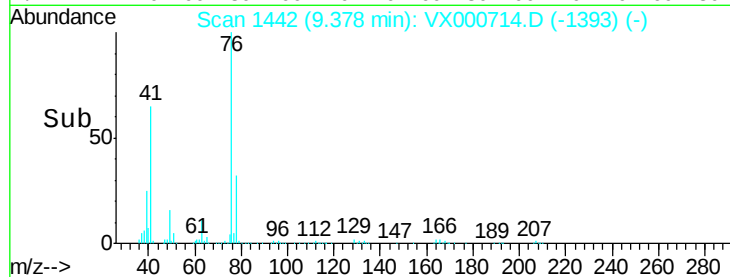
300000

200000

100000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 841.118 ug/l

RT: 8.32 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VX000714.D

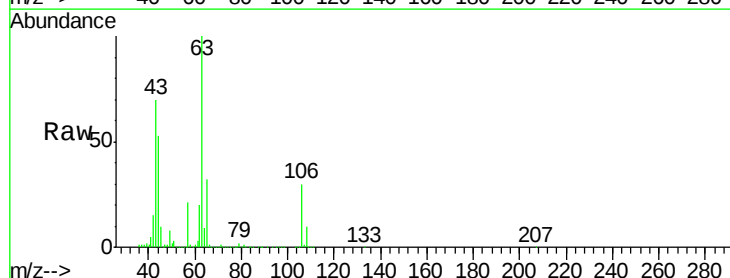
Acq: 07 Apr 2018 13:30

Tgt Ion: 63 Resp: 1424295

Ion Ratio Lower Upper

63 100

106 30.4 24.0 36.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.32

1000000

800000

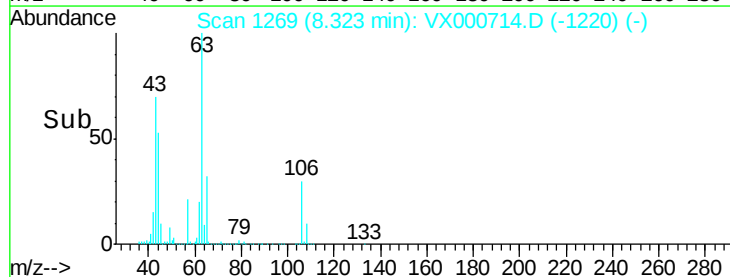
600000

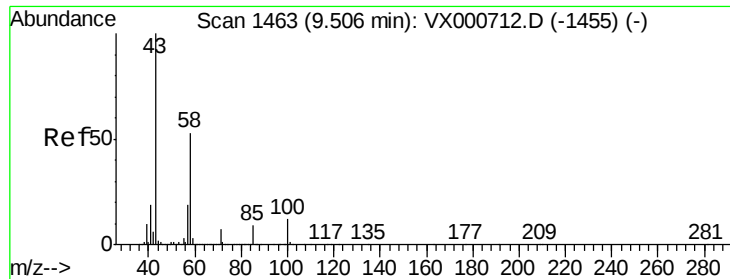
400000

200000

0

Time-->





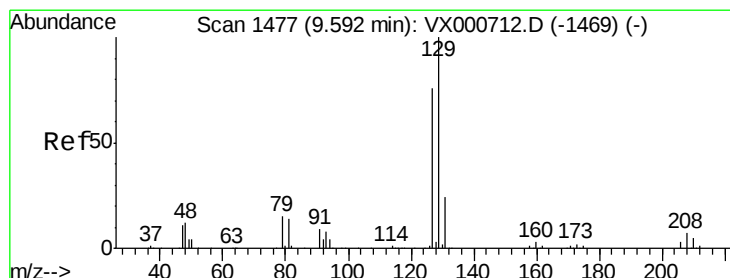
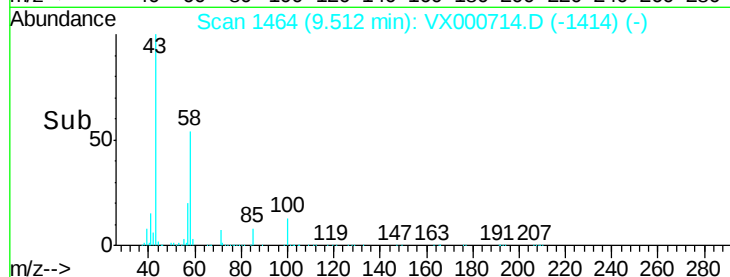
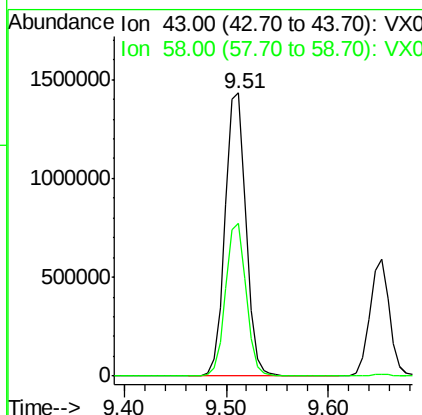
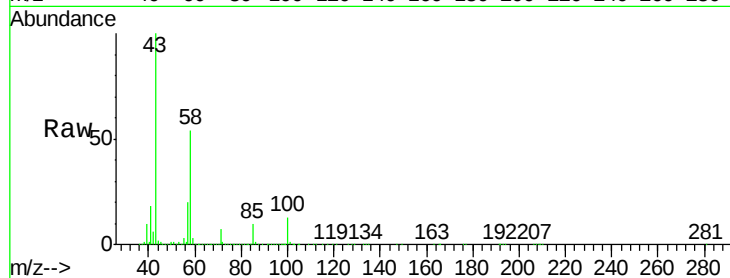
#59
2-Hexanone
Concen: 725.547 ug/l
RT: 9.51 min Scan# 1464
Delta R.T. 0.01 min
Lab File: VX000714.D
Acq: 07 Apr 2018 13:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tgt Ion: 43 Resp: 2021362
Ion Ratio Lower Upper
43 100
58 53.0 25.9 77.8

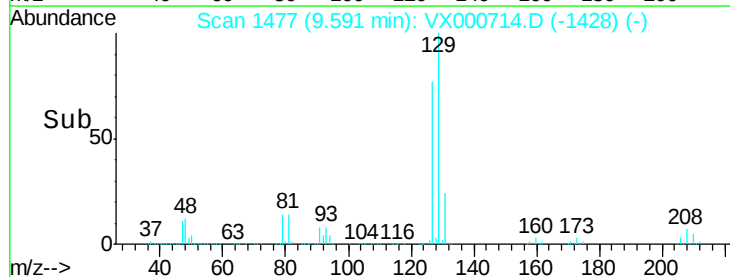
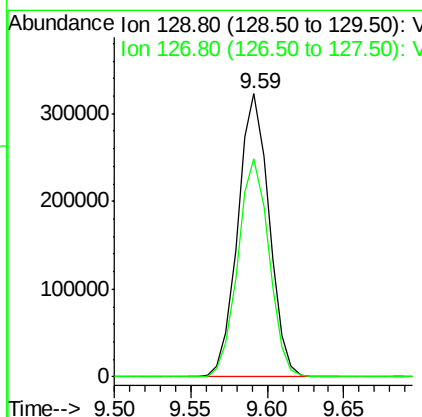
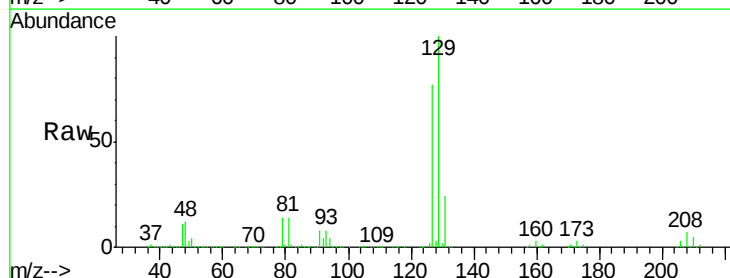
Manual Integrations
APPROVED

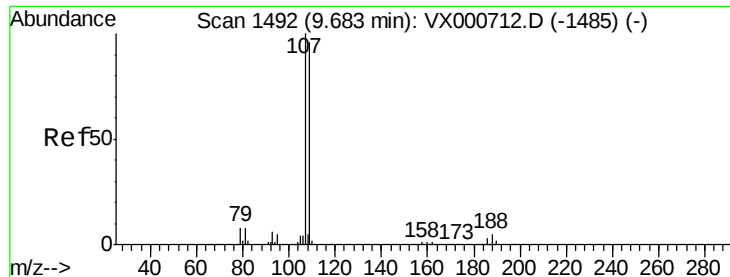
sam
4/9/2018 2:02:38 PM



#60
Dibromochloromethane
Concen: 148.272 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. -0.00 min
Lab File: VX000714.D
Acq: 07 Apr 2018 13:30

Tgt Ion: 129 Resp: 458262
Ion Ratio Lower Upper
129 100
127 76.6 38.2 114.6





#61

1,2-Dibromoethane

Concen: 146.765 ug/l

RT: 9.68 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX000714.D

Acq: 07 Apr 2018 13:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 107 Resp: 384063

Ion Ratio Lower Upper

107 100

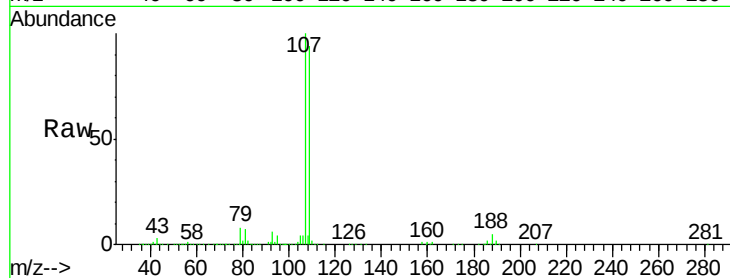
109 94.2 76.6 115.0

Manual Integrations

APPROVED

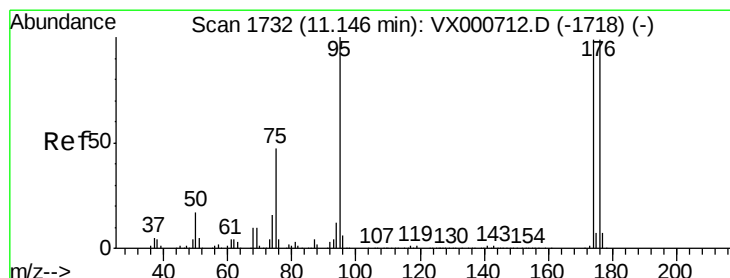
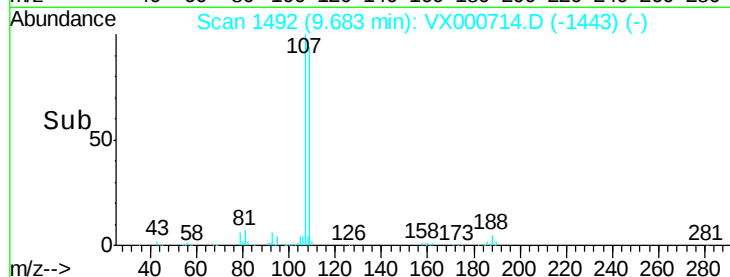
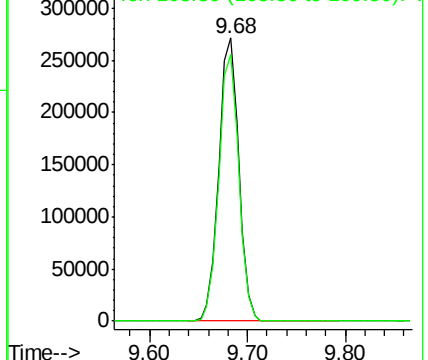
sam

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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: 149.124 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VX000714.D

Acq: 07 Apr 2018 13:30

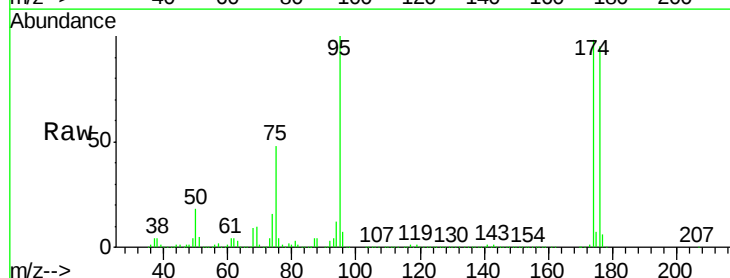
Tgt Ion: 95 Resp: 559251

Ion Ratio Lower Upper

95 100

174 97.7 0.0 191.6

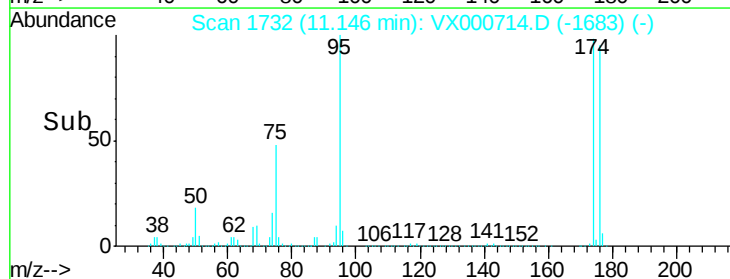
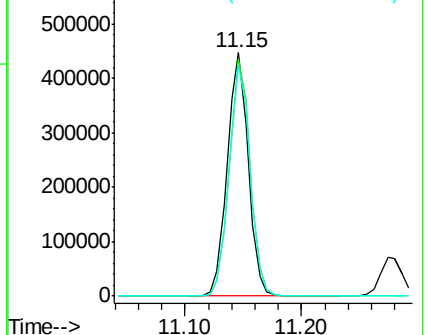
176 95.5 0.0 187.0

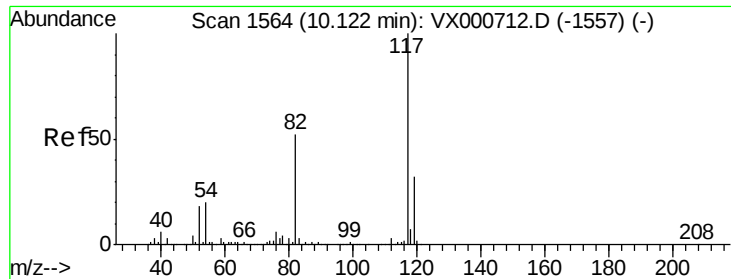


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





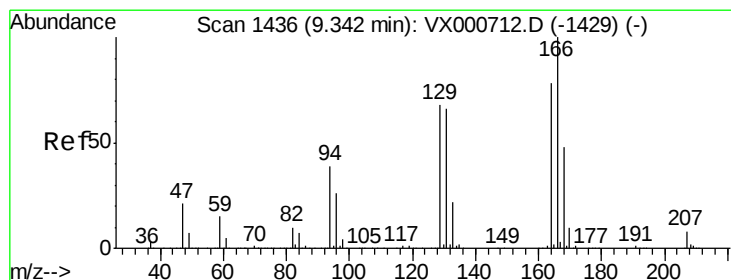
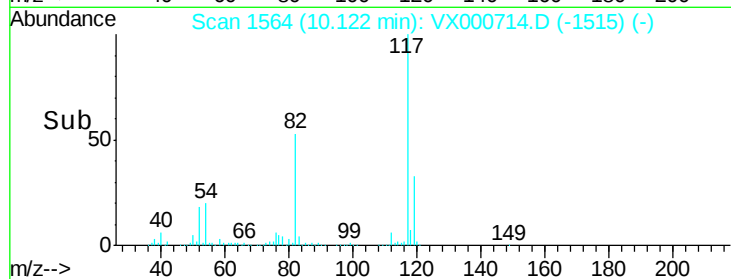
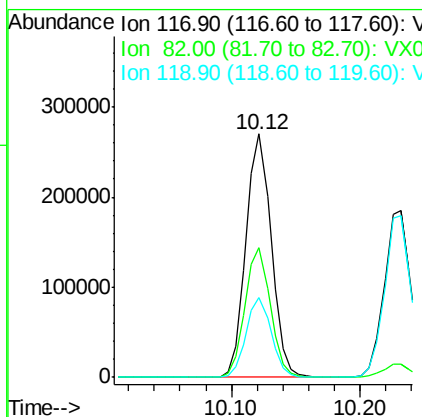
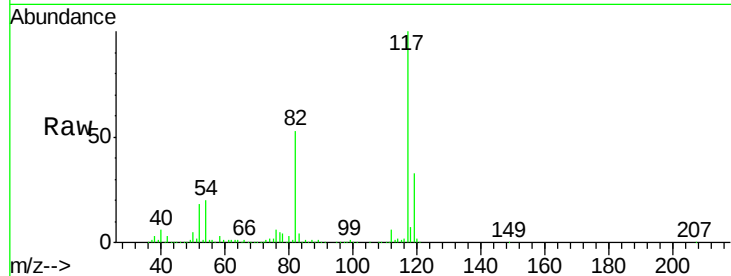
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000714.D
Acq: 07 Apr 2018 13:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	366481		
82	53.1	41.9	62.9	
119	32.6	25.8	38.8	

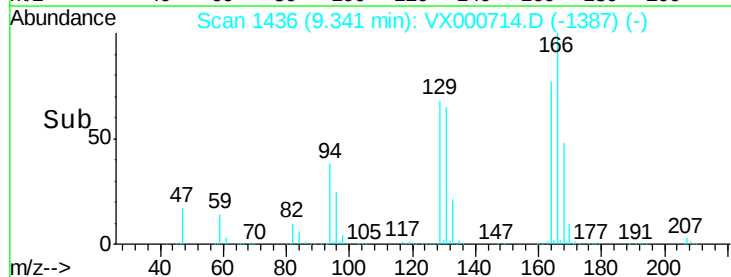
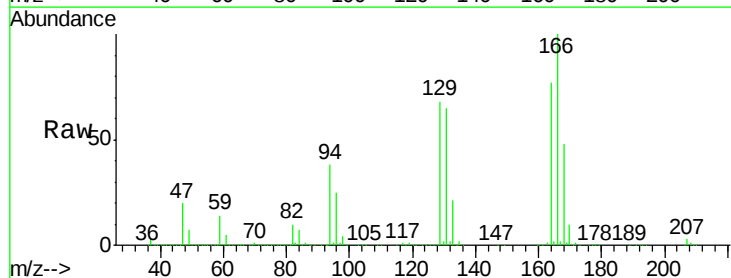
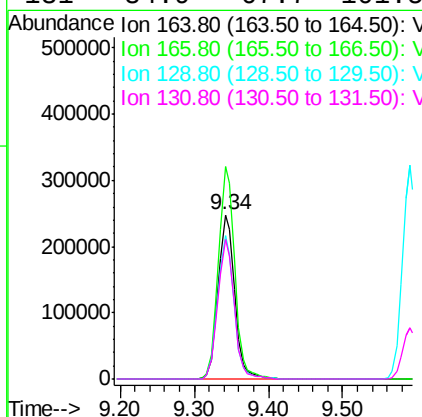
Manual Integrations
APPROVED

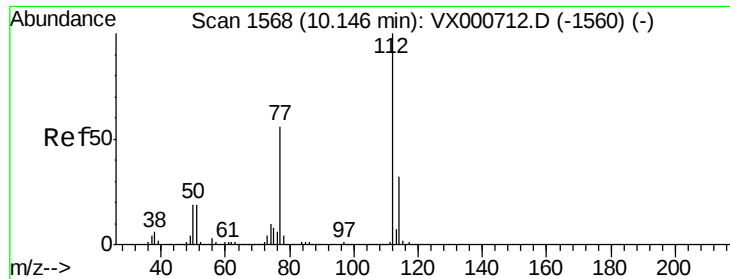
sam
4/9/2018 2:02:38 PM



#64
Tetrachloroethene
Concen: 137.942 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX000714.D
Acq: 07 Apr 2018 13:30

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	379060		
166	130.0	102.4	153.6	
129	87.8	69.3	103.9	
131	84.9	67.7	101.5	





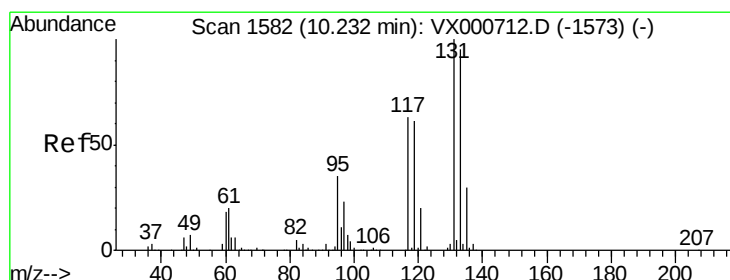
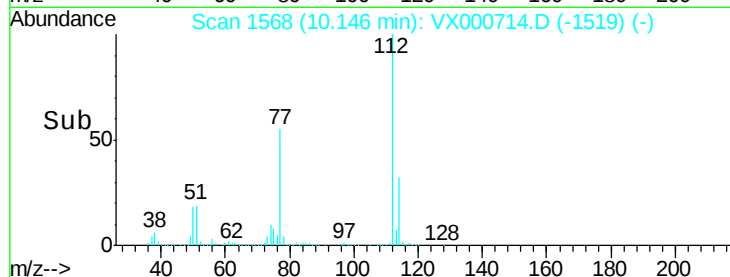
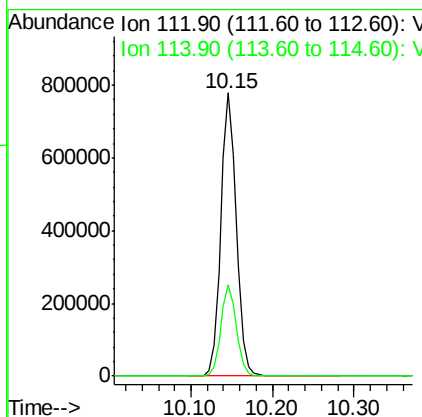
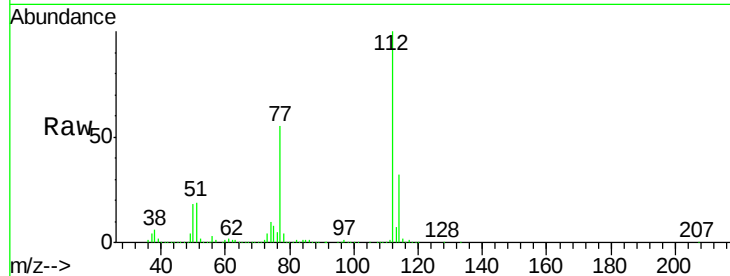
#65
Chlorobenzene
Concen: 142.795 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX000714.D
Acq: 07 Apr 2018 13:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tgt Ion:112 Resp: 1035037
Ion Ratio Lower Upper
112 100
114 32.2 25.8 38.6

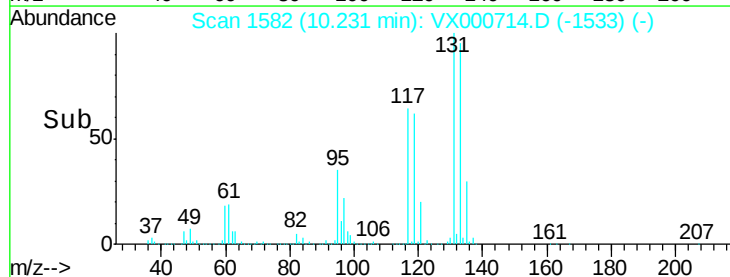
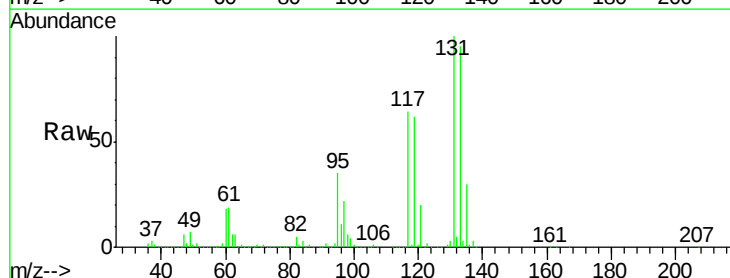
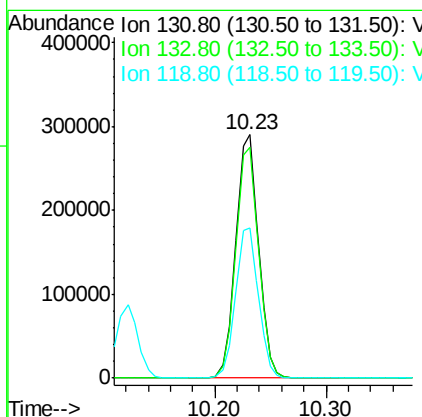
Manual Integrations
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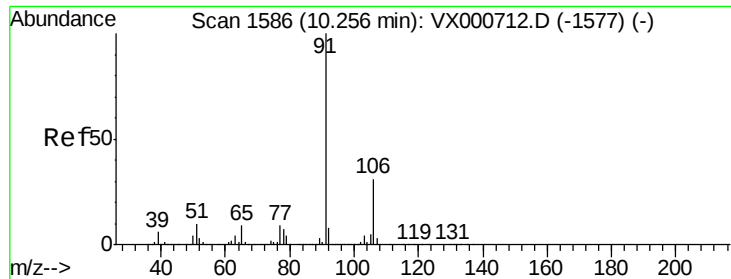
sam
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#66
1,1,1,2-Tetrachloroethane
Concen: 143.741 ug/l
RT: 10.23 min Scan# 1582
Delta R.T. -0.00 min
Lab File: VX000714.D
Acq: 07 Apr 2018 13:30

Tgt Ion:131 Resp: 409923
Ion Ratio Lower Upper
131 100
133 95.7 48.0 144.2
119 62.4 31.5 94.5





#67

Ethyl Benzene

Concen: 139.829 ug/l

RT: 10.26 min Scan# 1587

Delta R.T. 0.01 min

Lab File: VX000714.D

Acq: 07 Apr 2018 13:30

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tgt Ion: 91 Resp: 1701654

Ion Ratio Lower Upper

91 100

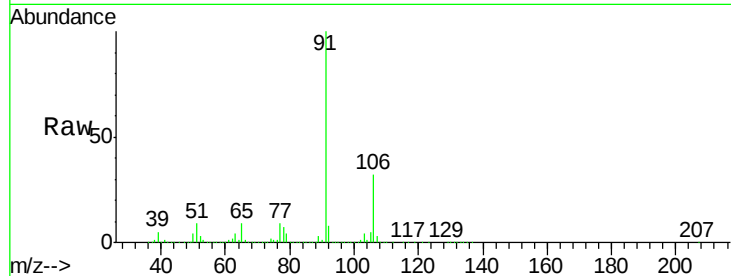
106 32.4 25.1 37.7

Manual Integrations

APPROVED

sam

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Abundance Ion 91.00 (90.70 to 91.70): VX000712.D (-1577) (-)

Ion 106.00 (105.70 to 106.70): VX000712.D (-1577) (-)

2000000

1500000

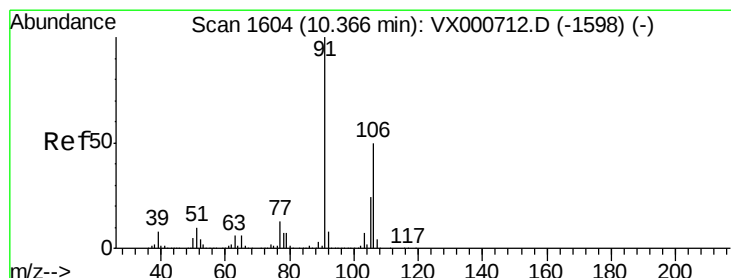
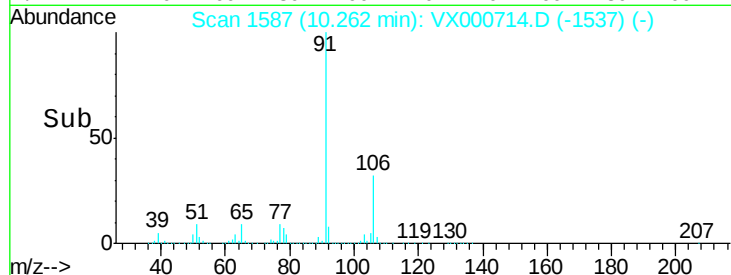
1000000

500000

0

10.20 10.30

Time-->



#68

m/p-Xylenes

Concen: 283.091 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VX000714.D

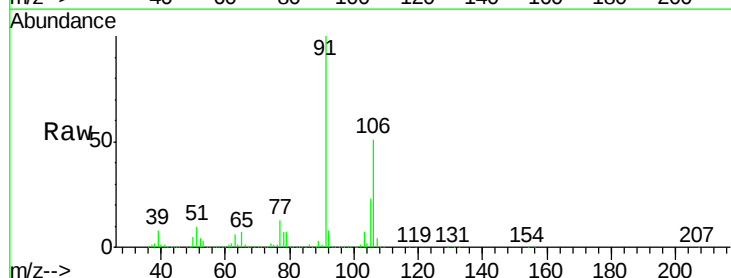
Acq: 07 Apr 2018 13:30

Tgt Ion: 106 Resp: 1346638

Ion Ratio Lower Upper

106 100

91 197.3 159.7 239.5



Abundance Ion 106.00 (105.70 to 106.70): VX000712.D (-1598) (-)

Ion 91.00 (90.70 to 91.70): VX000712.D (-1598) (-)

2000000

1500000

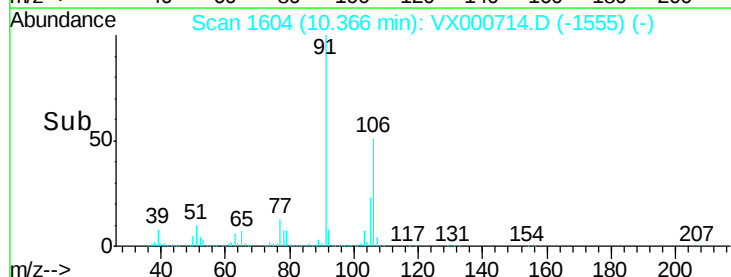
1000000

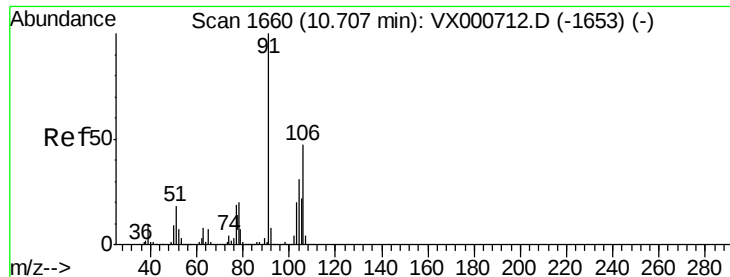
500000

0

10.30 10.40 10.50

Time-->





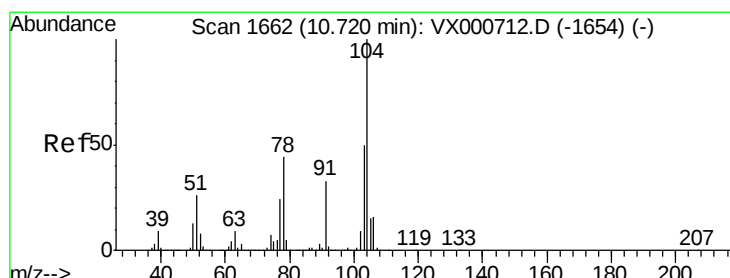
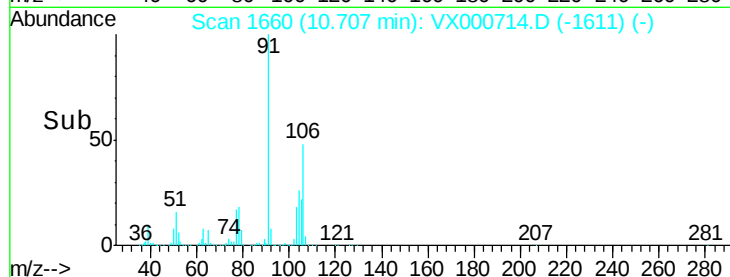
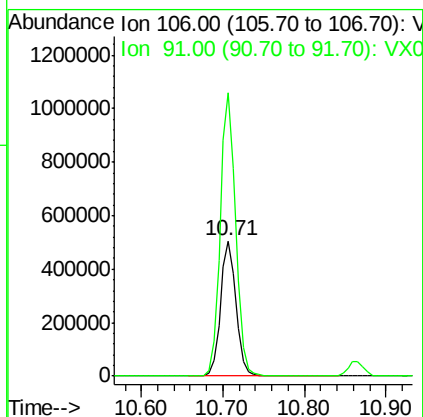
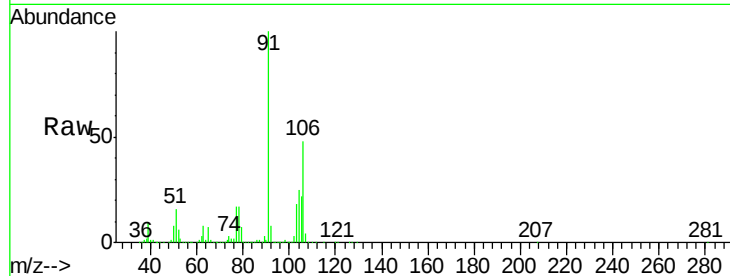
#69
o-Xylene
Concen: 142.619 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX000714.D
Acq: 07 Apr 2018 13:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tgt Ion:106 Resp: 666063
Ion Ratio Lower Upper
106 100
91 209.8 106.1 318.3

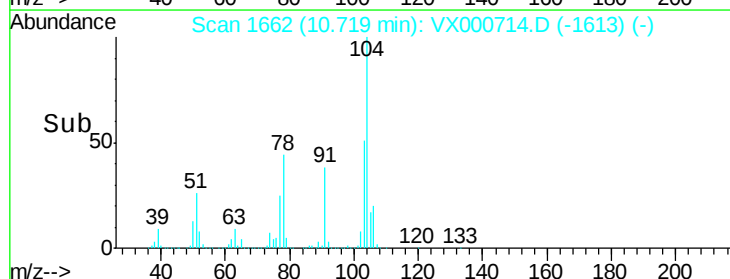
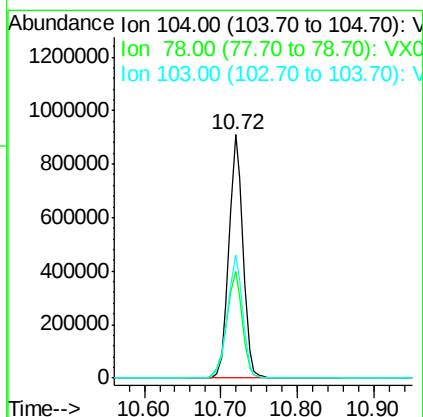
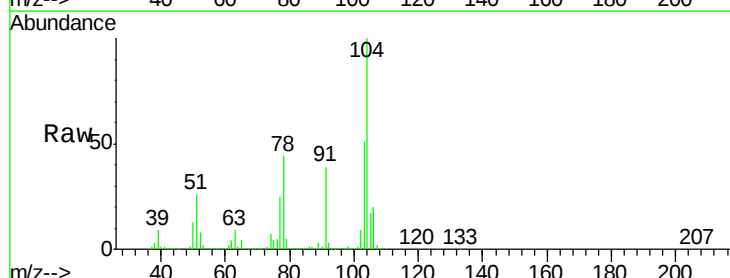
Manual Integrations
APPROVED

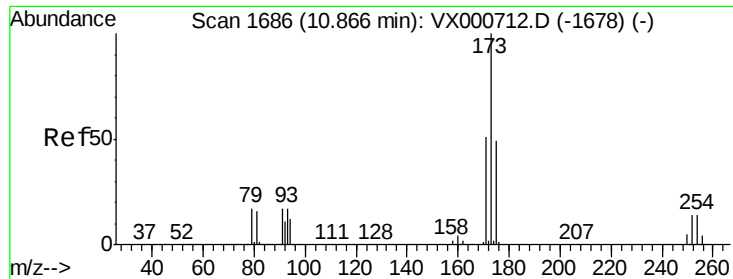
sam
4/9/2018 2:02:38 PM



#70
Styrene
Concen: 144.794 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX000714.D
Acq: 07 Apr 2018 13:30

Tgt Ion:104 Resp: 1156018
Ion Ratio Lower Upper
104 100
78 49.0 39.8 59.6
103 54.8 44.1 66.1





#71

Bromoform

Concen: 151.009 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VX000714.D

Acq: 07 Apr 2018 13:30

Instrument :

MSVOA_X

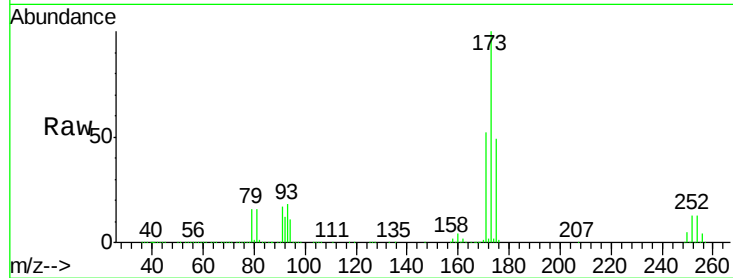
ClientSampleId :

VSTDIC150

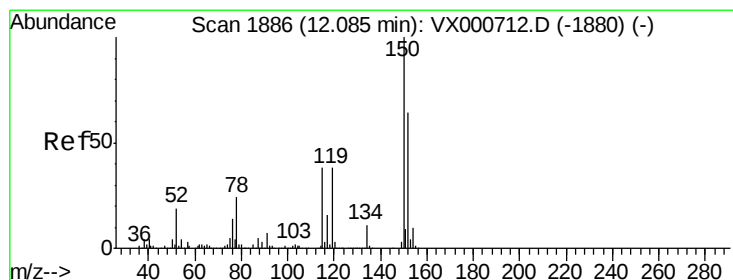
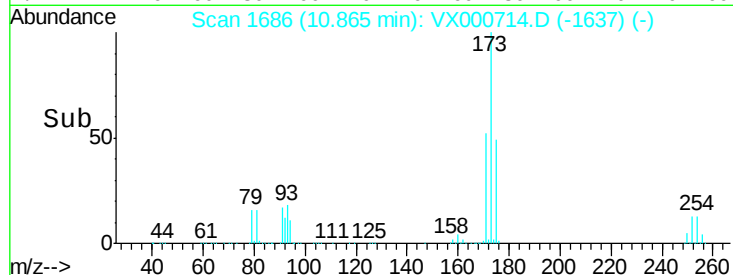
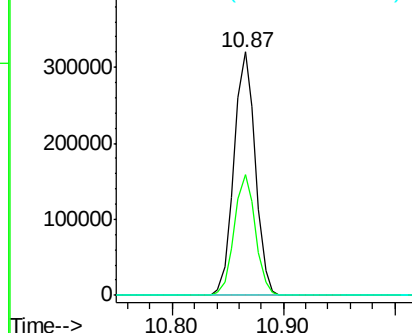
Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.2	72.6
254	0.2	0.1	0.1#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

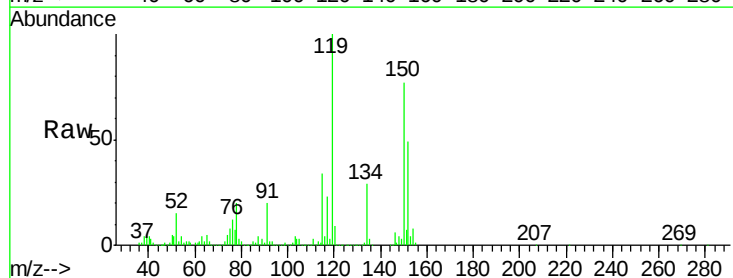
RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

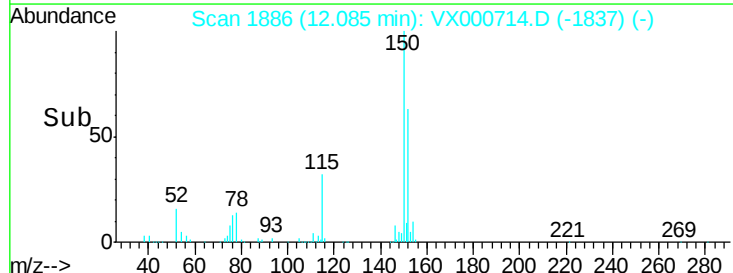
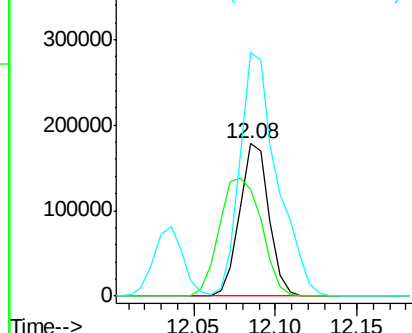
Lab File: VX000714.D

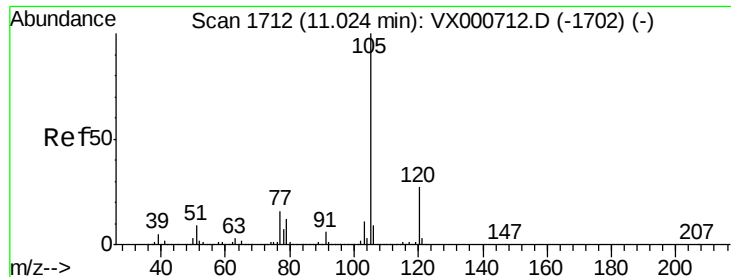
Acq: 07 Apr 2018 13:30

Tgt Ion	Ratio	Lower	Upper
152	100		
115	111.1	37.7	113.1
150	202.2	0.0	345.0



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





#73

Isopropylbenzene

Concen: 136.448 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX000714.D

Acq: 07 Apr 2018 13:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 105 Resp: 1781784

Ion Ratio Lower Upper

105 100

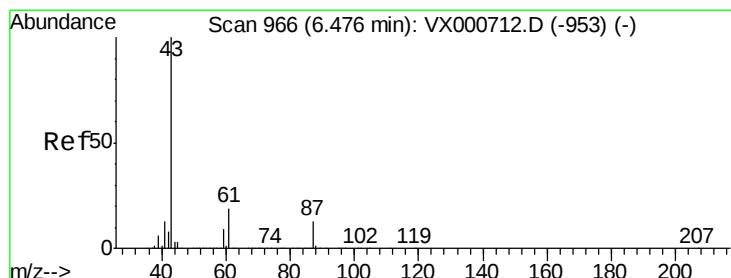
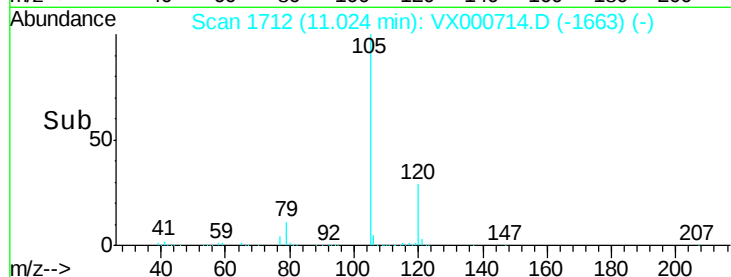
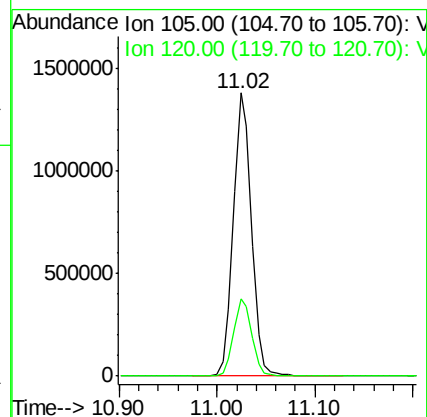
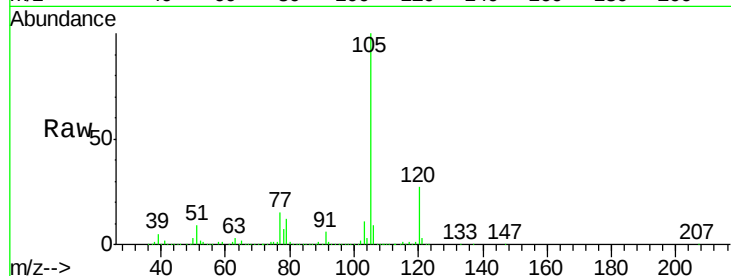
120 27.4 13.7 41.0

Manual Integrations

APPROVED

sam

4/9/2018 2:02:38 PM



#74

N-ethyl acetate

Concen: 134.324 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.00 min

Lab File: VX000714.D

Acq: 07 Apr 2018 13:30

Tgt Ion: 43 Resp: 862583

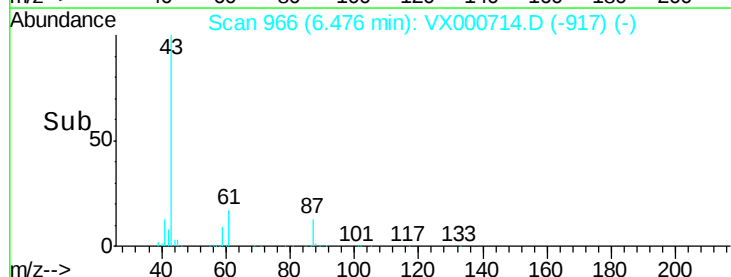
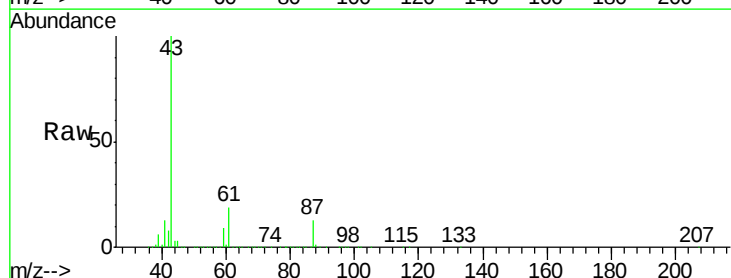
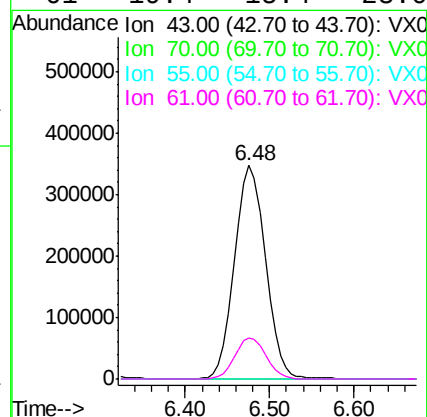
Ion Ratio Lower Upper

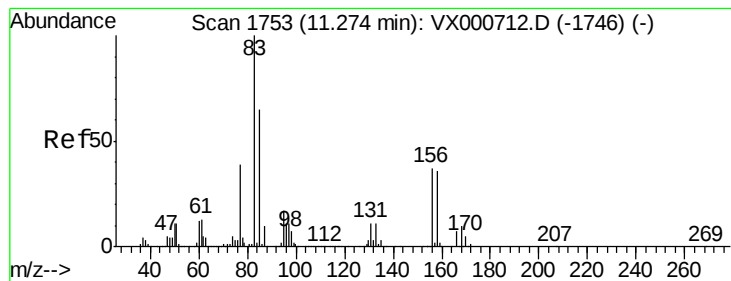
43 100

70 0.0 0.0 0.0#

55 0.0 0.0 0.0#

61 19.4 15.4 23.0





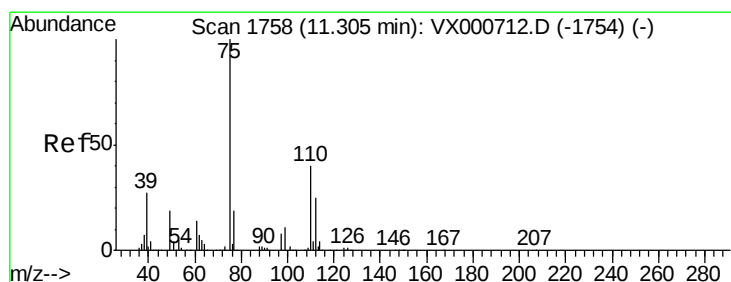
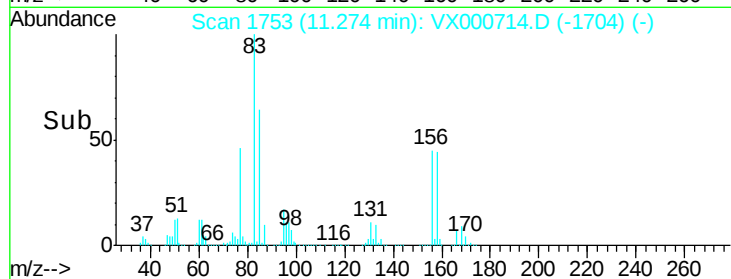
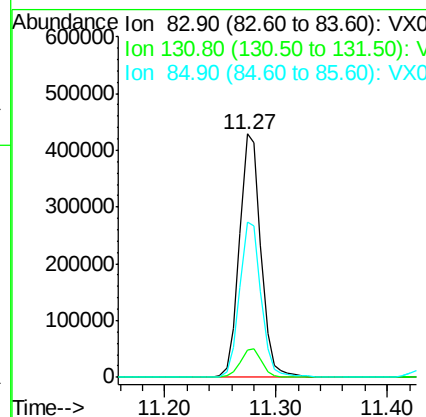
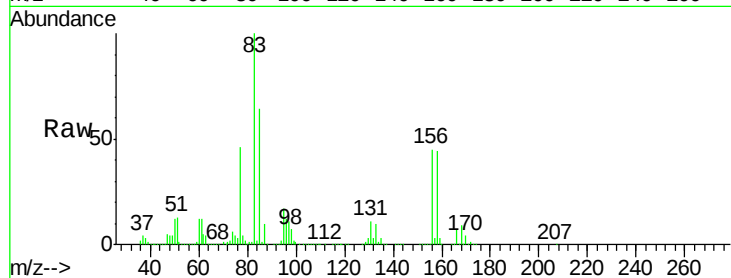
#75
 1,1,2,2-Tetrachloroethane
 Concen: 145.939 ug/l
 RT: 11.27 min Scan# 1753
 Delta R.T. -0.00 min
 Lab File: VX000714.D
 Acq: 07 Apr 2018 13:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Lower	Upper
83	100		
131	11.8	5.9	17.7
85	64.5	32.6	98.0

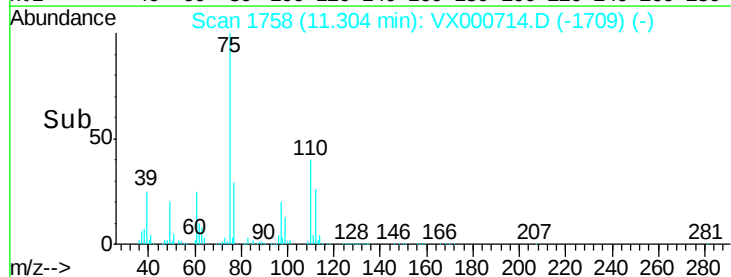
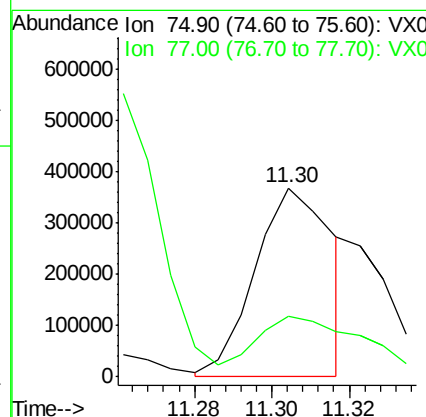
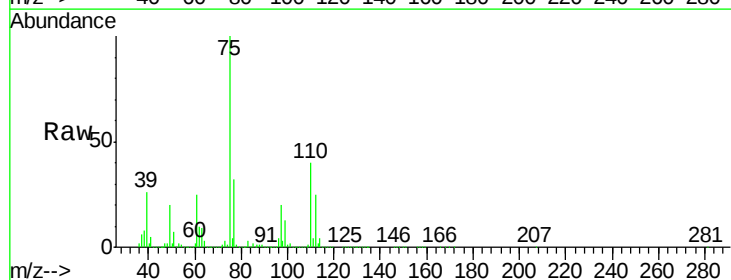
Manual Integrations
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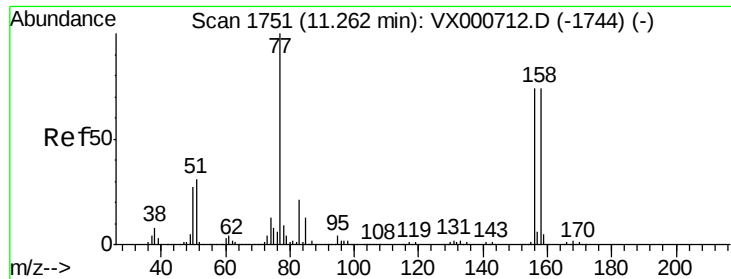
sam
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#76
 1,2,3-Trichloropropane
 Concen: 135.443 ug/l m
 RT: 11.30 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VX000714.D
 Acq: 07 Apr 2018 13:30

Tgt Ion	Ratio	Lower	Upper
75	100		
77	44.9	21.3	63.7





#77

Bromobenzene

Concen: 141.584 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX000714.D

Acq: 07 Apr 2018 13:30

Instrument :

MSVOA_X

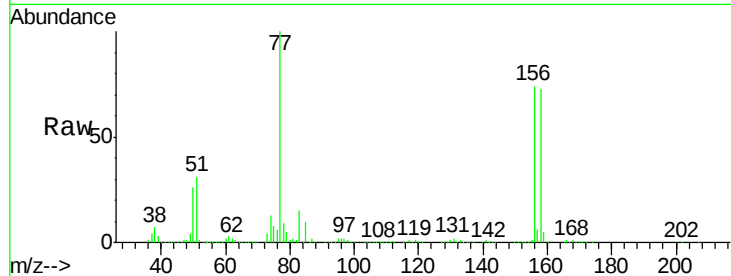
ClientSampleId :

VSTDIC150

Tgt Ion	Ratio	Resp	Lower	Upper
156	100	529352		
77	134.2	68.3	205.1	
158	98.2	49.1	147.3	

Manual Integrations
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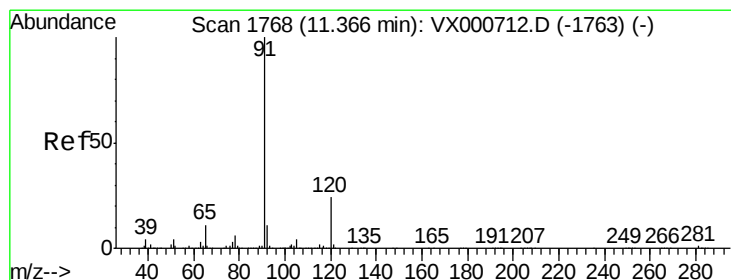
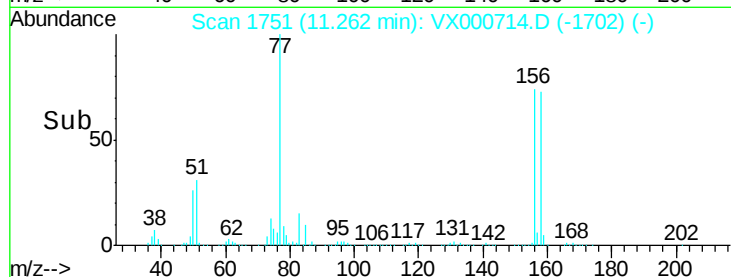
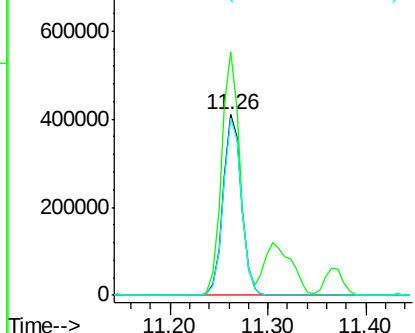
sam
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 137.637 ug/l

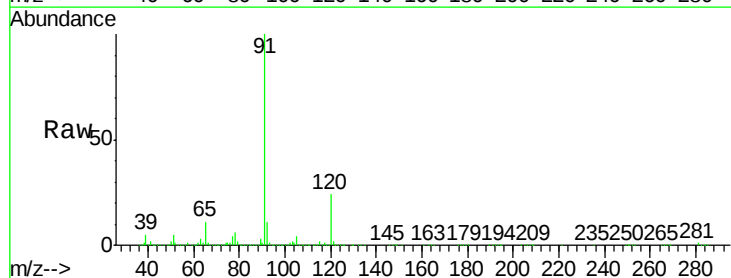
RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX000714.D

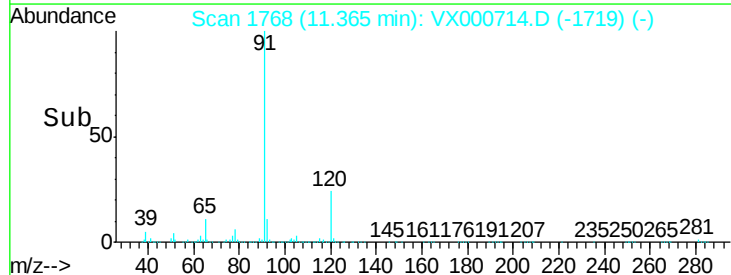
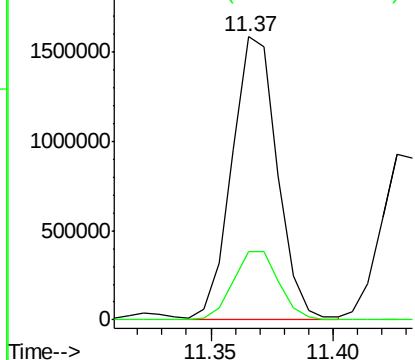
Acq: 07 Apr 2018 13:30

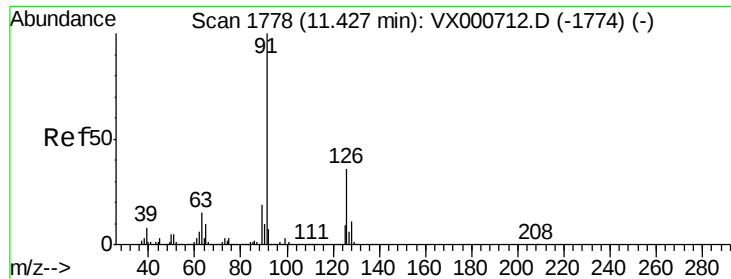
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	2042470		
120	24.7	12.5	37.5	



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 140.222 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX000714.D

Acq: 07 Apr 2018 13:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 91 Resp: 1235179

Ion Ratio Lower Upper

91 100

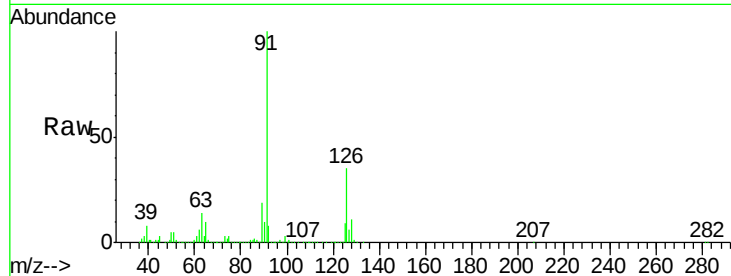
126 36.1 18.3 54.9

Manual Integrations

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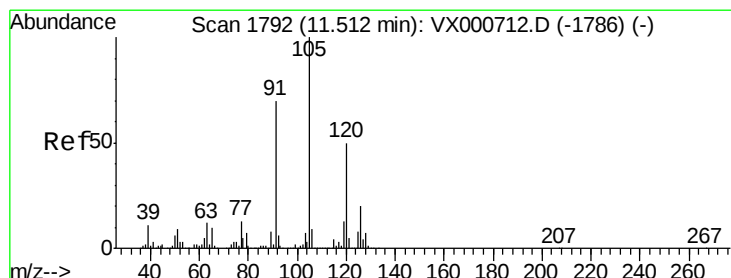
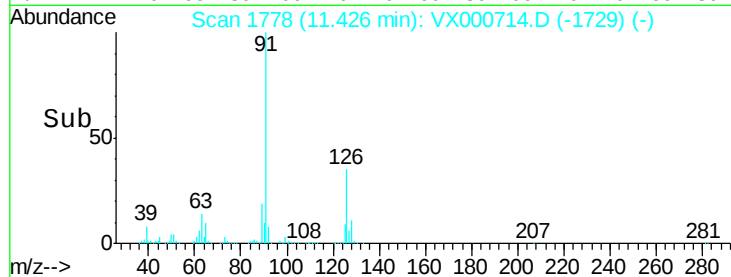
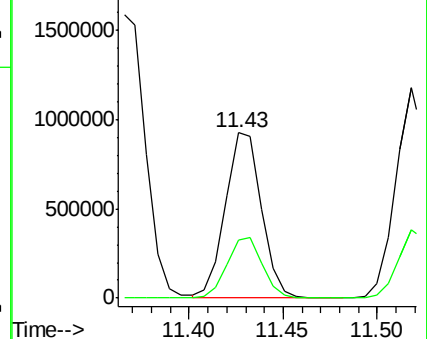
sam

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Abundance Ion 91.00 (90.70 to 91.70): VX000712.D (-1774) (-)

Ion 125.90 (125.60 to 126.60): VX000712.D (-1774) (-)



#80

1,3,5-Trimethylbenzene

Concen: 137.342 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX000714.D

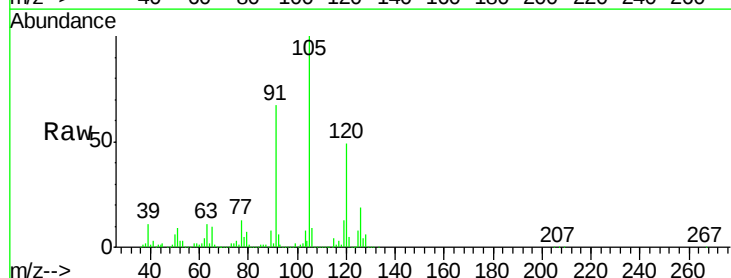
Acq: 07 Apr 2018 13:30

Tgt Ion: 105 Resp: 1543116

Ion Ratio Lower Upper

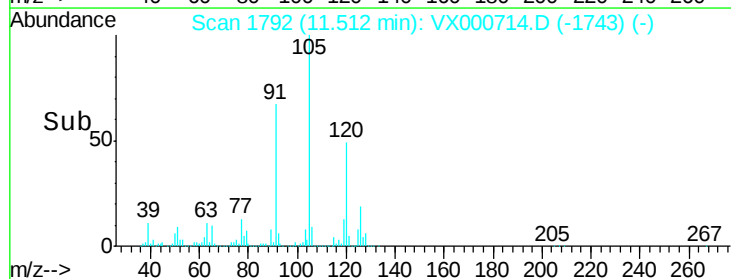
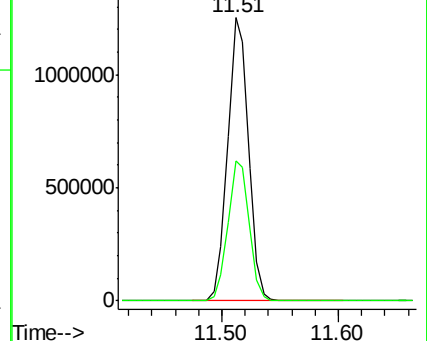
105 100

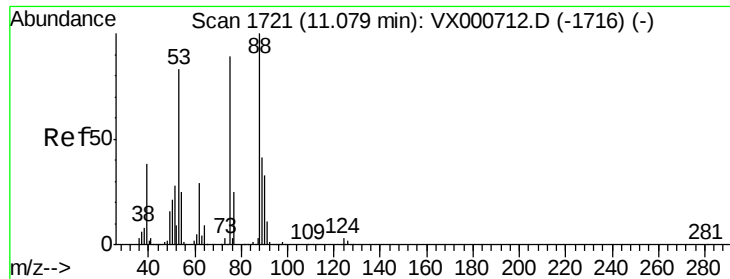
120 50.3 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): VX000712.D (-1786) (-)

Ion 120.00 (119.70 to 120.70): VX000712.D (-1786) (-)





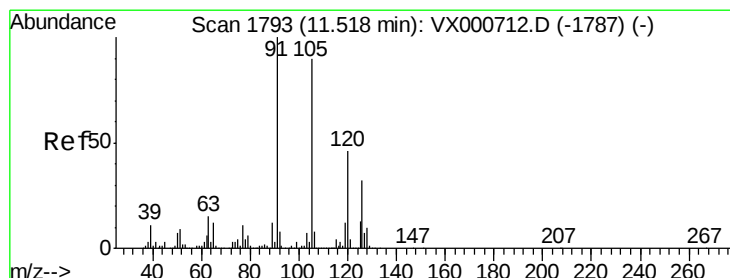
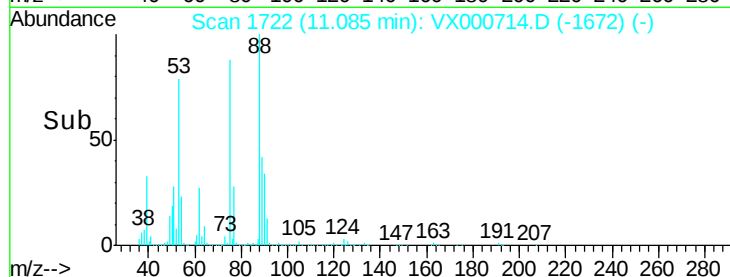
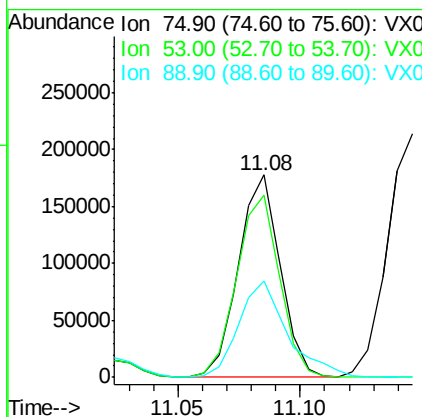
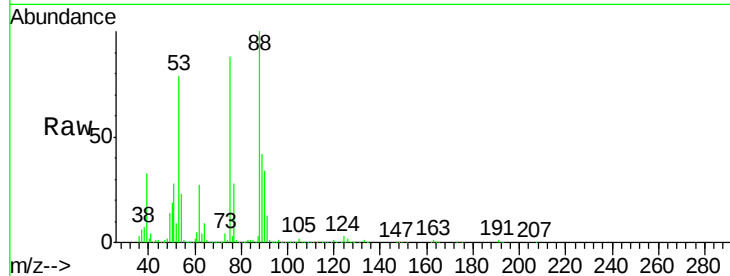
#81
trans-1,4-Dichloro-2-butene
Concen: 144.409 ug/l
RT: 11.08 min Scan# 1722
Delta R.T. 0.01 min
Lab File: VX000714.D
Acq: 07 Apr 2018 13:30

Instrument :
MSVOA_X
ClientSampled :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
75	100		
53	92.9	74.2	111.2
89	55.8	46.6	69.8

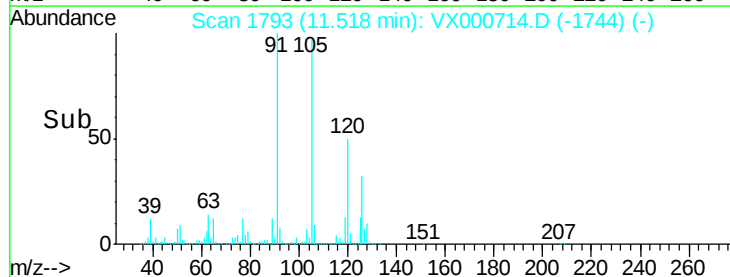
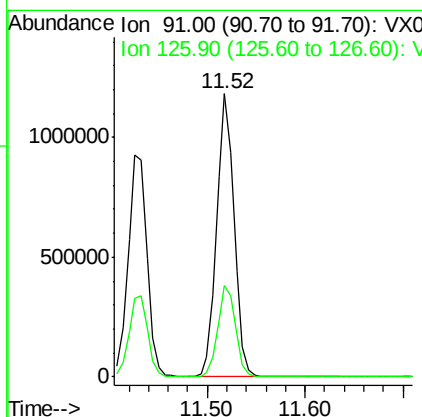
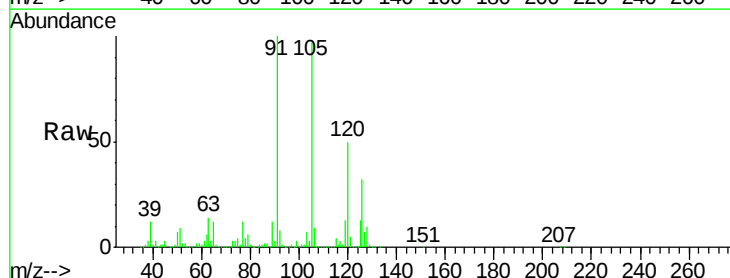
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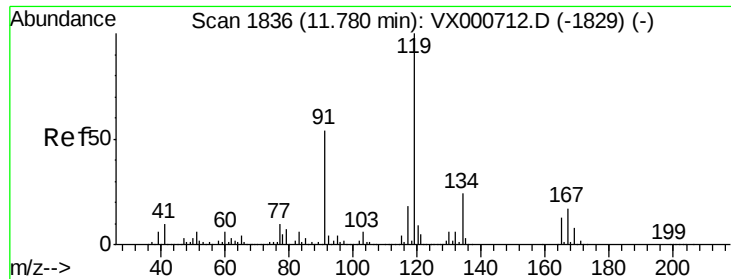
sam
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#82
4-Chlorotoluene
Concen: 137.603 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VX000714.D
Acq: 07 Apr 2018 13:30

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.0	48.0





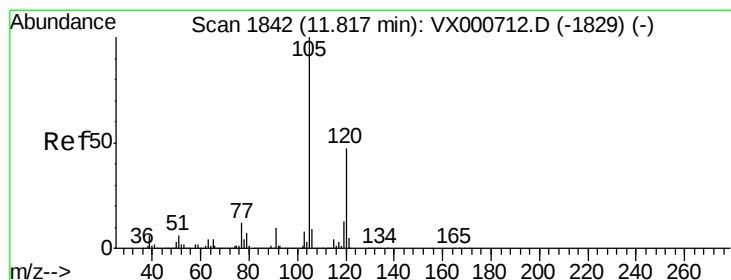
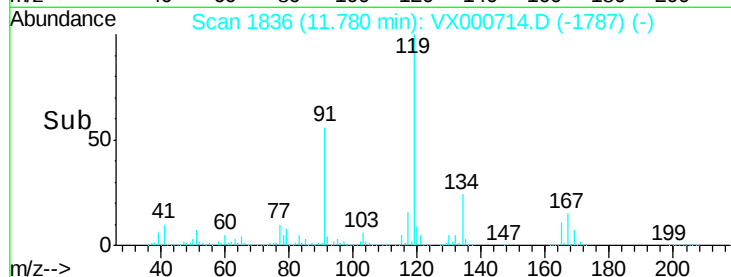
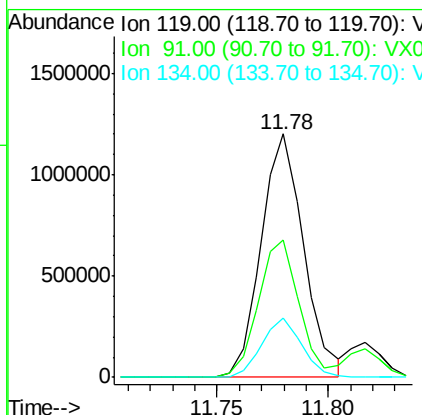
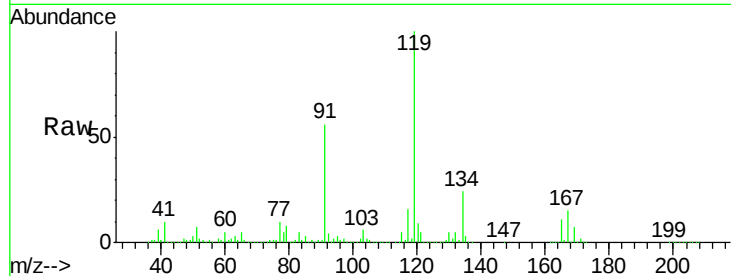
#83
 tert-Butylbenzene
 Concen: 137.641 ug/l
 RT: 11.78 min Scan# 1836
 Delta R.T. -0.00 min
 Lab File: VX000714.D
 Acq: 07 Apr 2018 13:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tgt Ion:119 Resp: 1595533
 Ion Ratio Lower Upper
 119 100
 91 53.7 27.3 81.8
 134 22.9 11.5 34.4

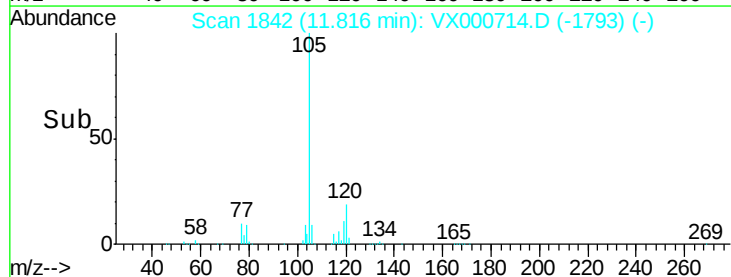
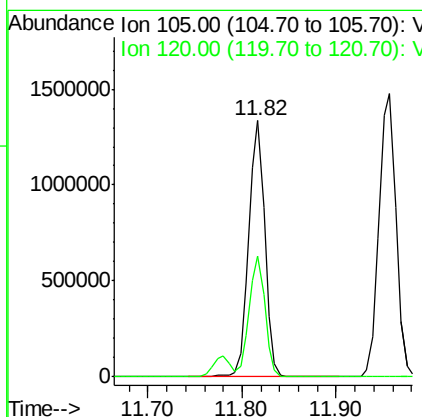
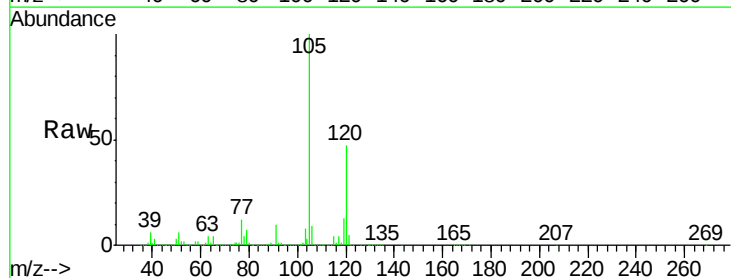
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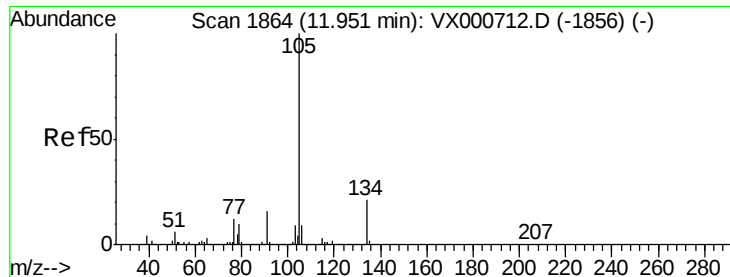
sam
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#84
 1,2,4-Trimethylbenzene
 Concen: 137.403 ug/l
 RT: 11.82 min Scan# 1842
 Delta R.T. -0.00 min
 Lab File: VX000714.D
 Acq: 07 Apr 2018 13:30

Tgt Ion:105 Resp: 1599378
 Ion Ratio Lower Upper
 105 100
 120 46.5 22.9 68.5





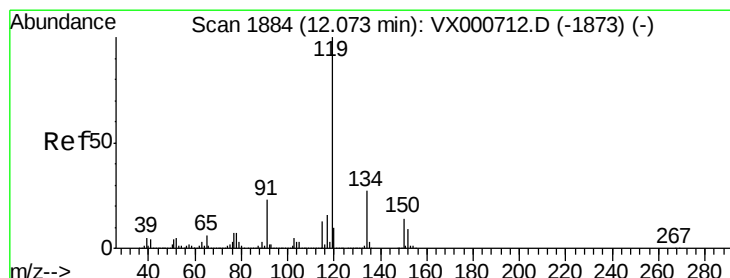
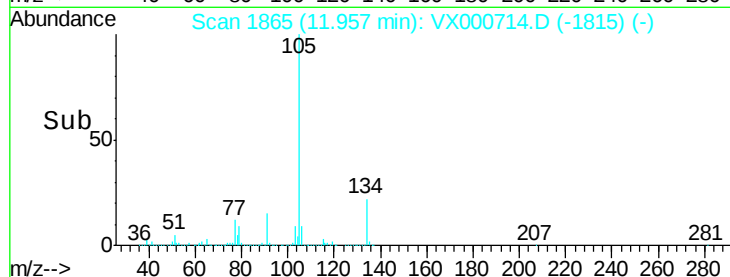
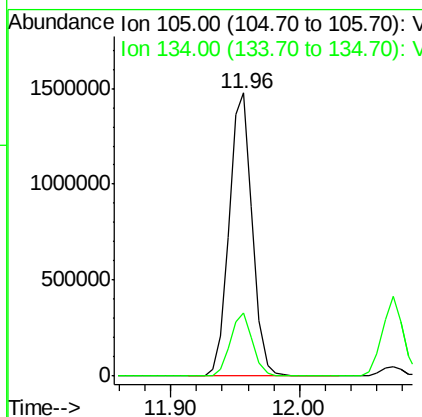
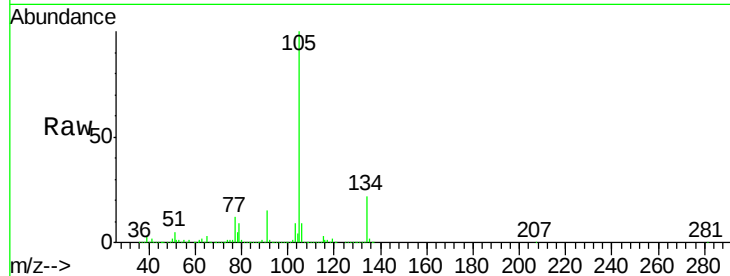
#85
 sec-Butylbenzene
 Concen: 136.185 ug/l
 RT: 11.96 min Scan# 1865
 Delta R.T. 0.01 min
 Lab File: VX000714.D
 Acq: 07 Apr 2018 13:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tgt Ion:105 Resp: 1850128
 Ion Ratio Lower Upper
 105 100
 134 21.6 10.7 32.1

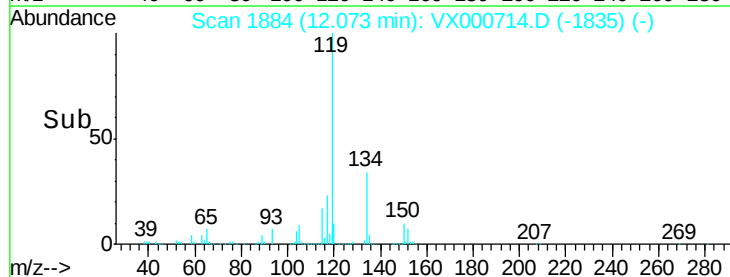
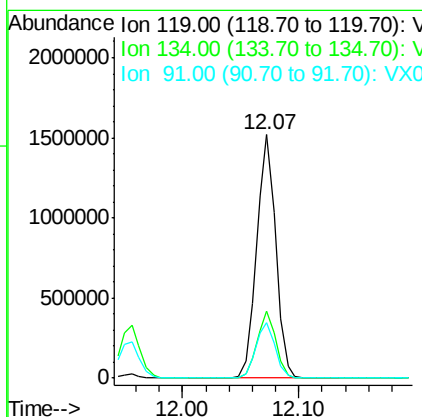
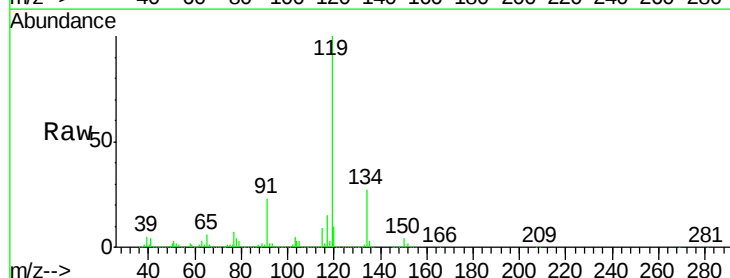
Manual Integrations
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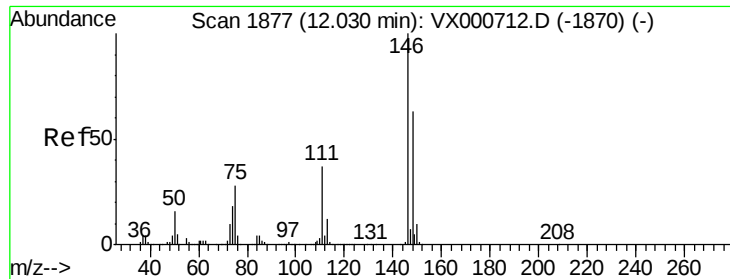
sam
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#86
 p-Isopropyltoluene
 Concen: 137.058 ug/l
 RT: 12.07 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VX000714.D
 Acq: 07 Apr 2018 13:30

Tgt Ion:119 Resp: 1735392
 Ion Ratio Lower Upper
 119 100
 134 27.0 13.4 40.2
 91 22.8 11.5 34.4





#87

1,3-Dichlorobenzene

Concen: 141.051 ug/l

RT: 12.04 min Scan# 1878

Delta R.T. 0.01 min

Lab File: VX000714.D

Acq: 07 Apr 2018 13:30

Instrument :

MSVOA_X

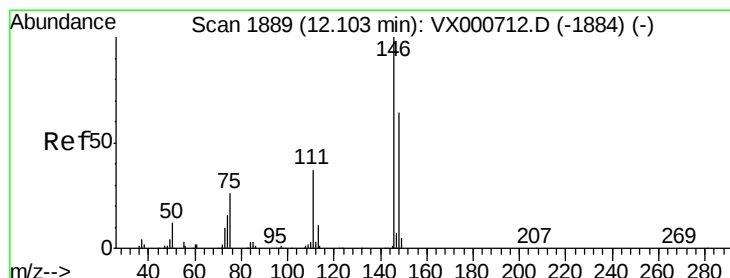
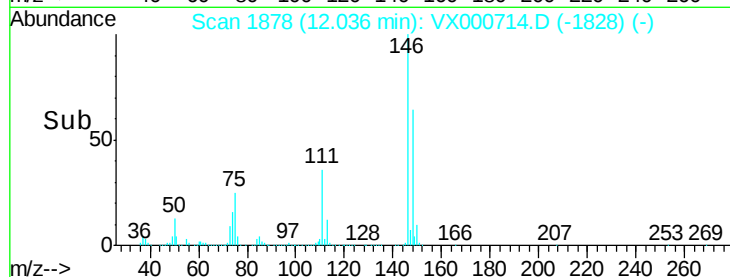
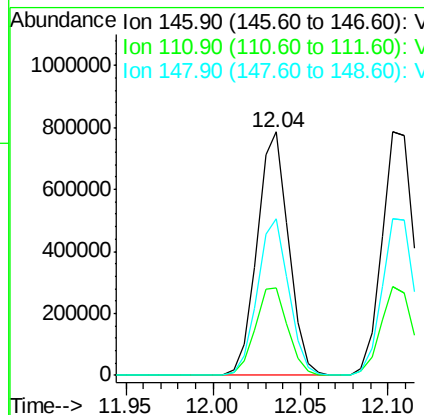
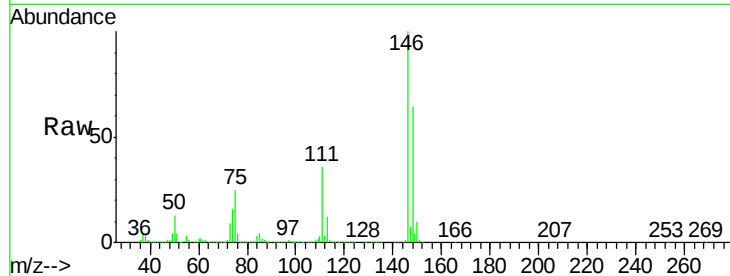
ClientSampled :

VSTDIC150

Tgt Ion:	146	Resp:	980148
Ion Ratio	Lower	Upper	
146	100		
111	37.2	18.6	55.8
148	64.2	32.0	96.2

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 141.483 ug/l

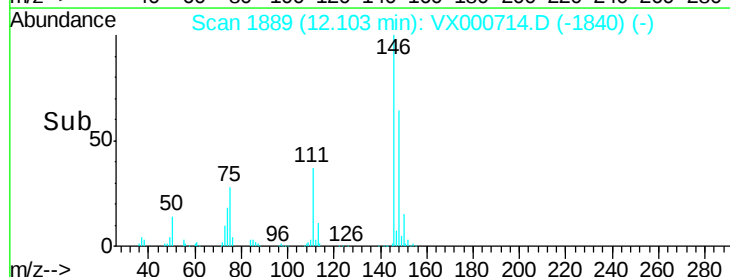
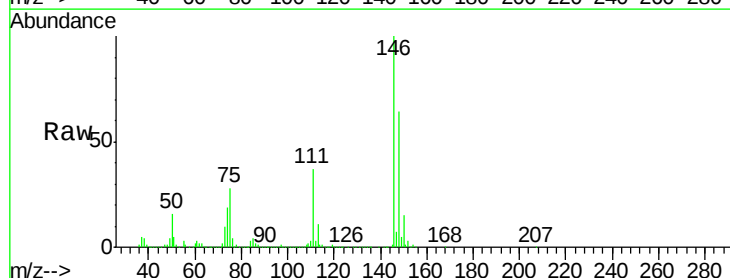
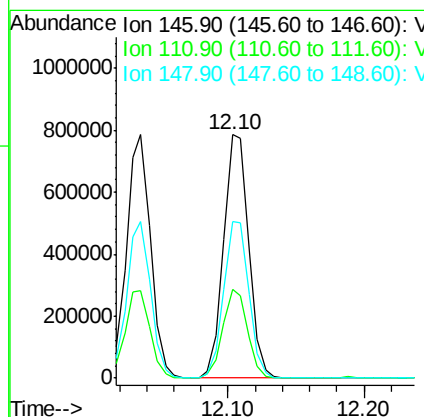
RT: 12.10 min Scan# 1889

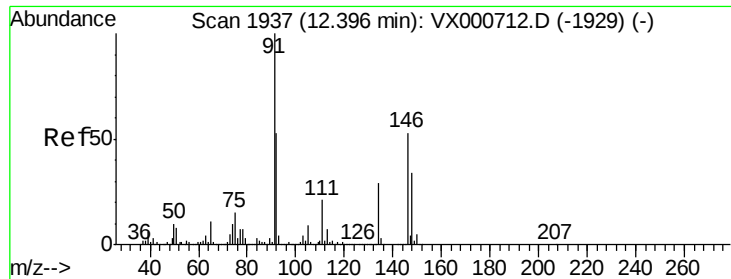
Delta R.T. -0.00 min

Lab File: VX000714.D

Acq: 07 Apr 2018 13:30

Tgt Ion:	146	Resp:	1001042
Ion Ratio	Lower	Upper	
146	100		
111	35.9	18.2	54.6
148	64.6	32.1	96.5





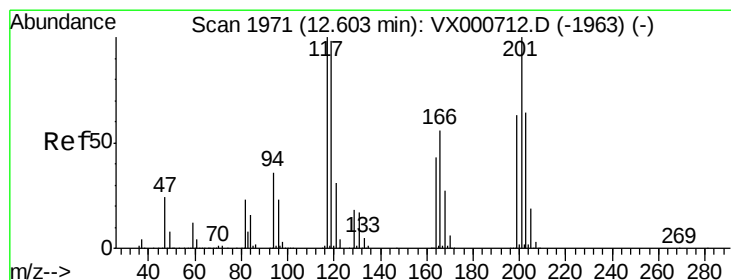
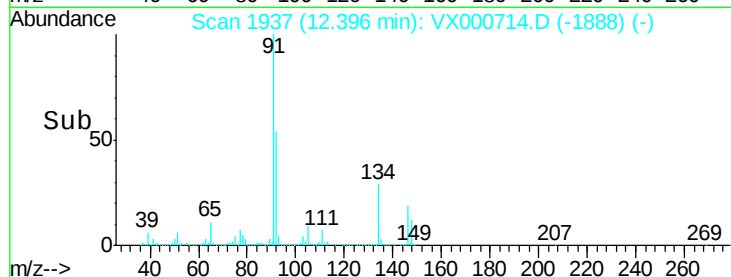
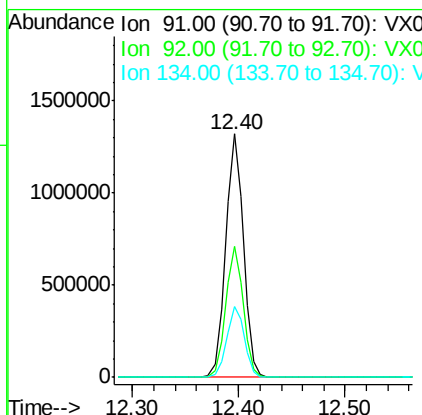
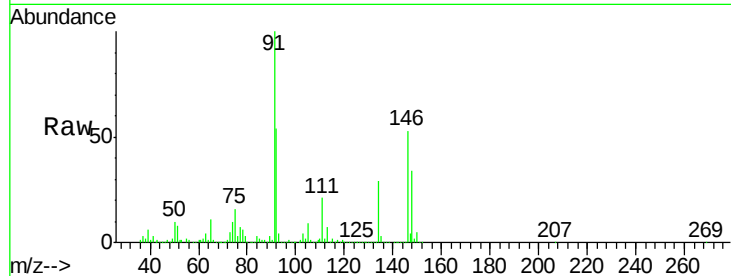
#89
n-Butylbenzene
Concen: 137.252 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX000714.D
Acq: 07 Apr 2018 13:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tgt Ion: 91 Resp: 1539507
Ion Ratio Lower Upper
91 100
92 53.4 26.7 80.0
134 29.2 14.4 43.0

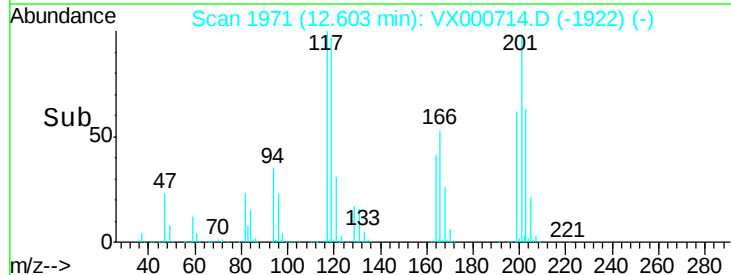
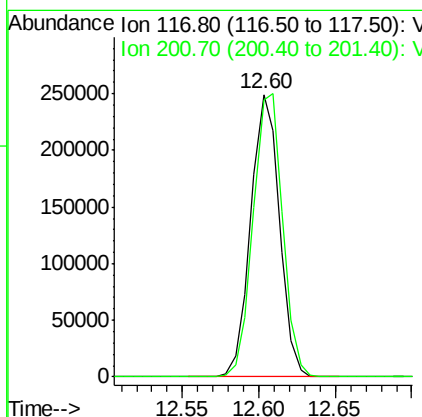
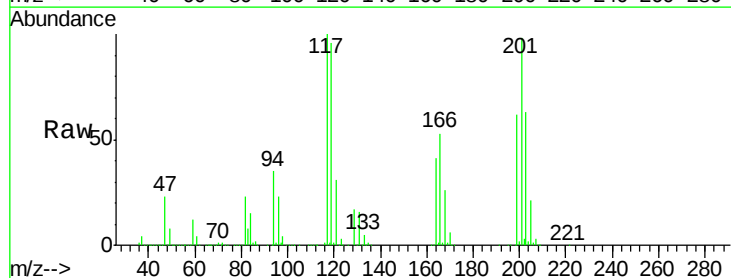
Manual Integrations
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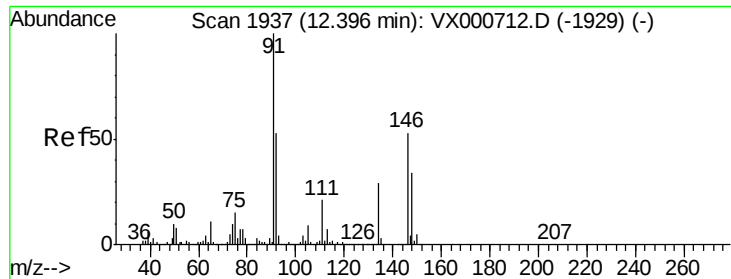
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#90
Hexachloroethane
Concen: 140.321 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX000714.D
Acq: 07 Apr 2018 13:30

Tgt Ion: 117 Resp: 325026
Ion Ratio Lower Upper
117 100
201 103.2 51.2 153.6





#91

1,2-Dichlorobenzene

Concen: 142.541 ug/l

RT: 12.40 min Scan# 1938

Delta R.T. 0.01 min

Lab File: VX000714.D

Acq: 07 Apr 2018 13:30

Instrument :

MSVOA_X

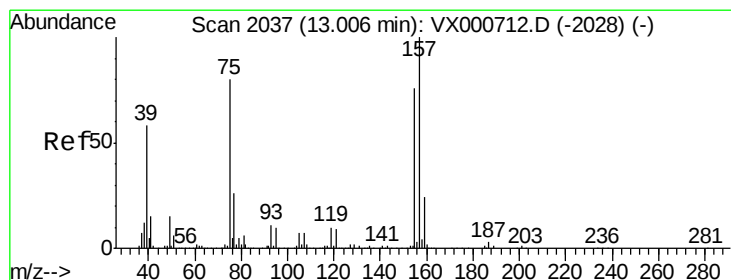
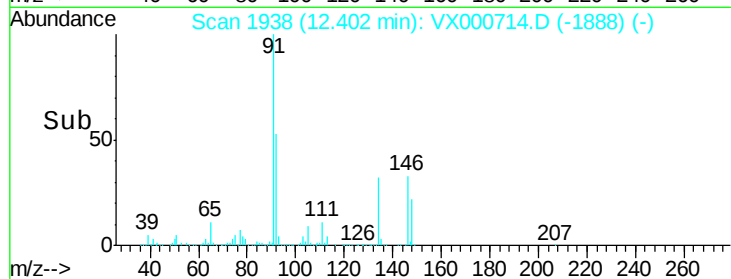
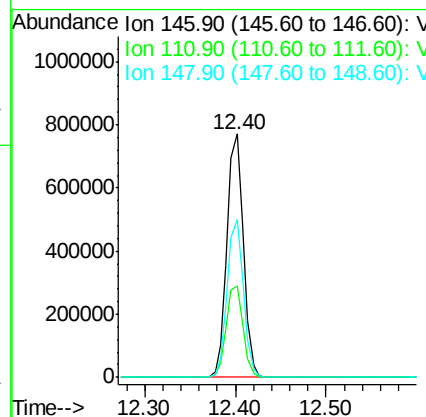
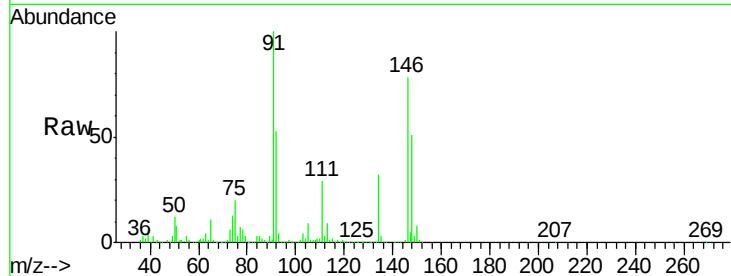
ClientSampled :

VSTDIC150

Tgt Ion:	146	Resp:	976247
Ion Ratio	Lower	Upper	
146	100		
111	38.3	19.3	57.9
148	64.3	31.9	95.7

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 139.764 ug/l

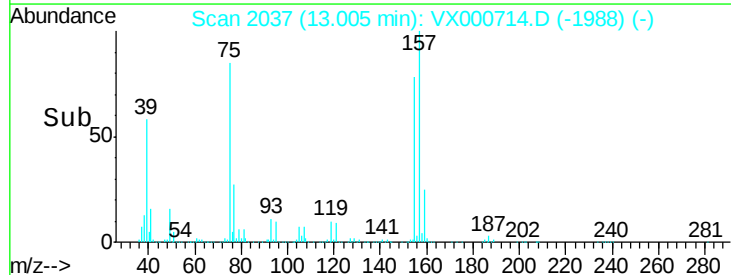
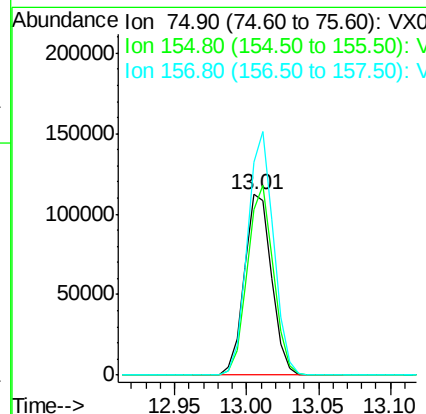
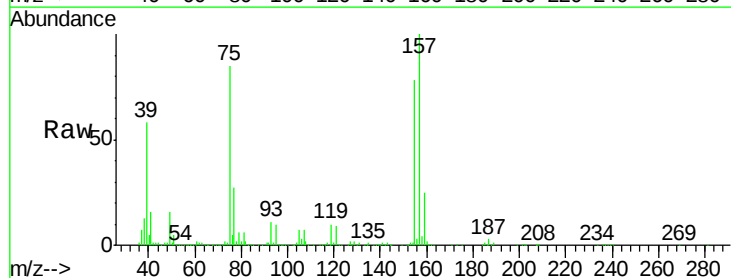
RT: 13.01 min Scan# 2037

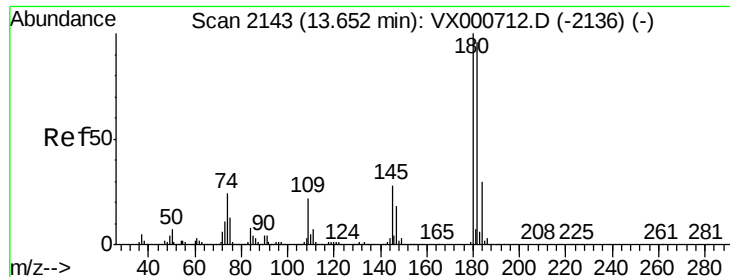
Delta R.T. -0.00 min

Lab File: VX000714.D

Acq: 07 Apr 2018 13:30

Tgt Ion:	75	Resp:	146549
Ion Ratio	Lower	Upper	
75	100		
155	99.8	48.4	145.0
157	128.3	62.8	188.5





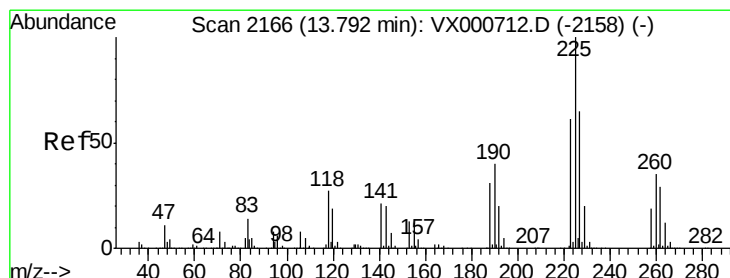
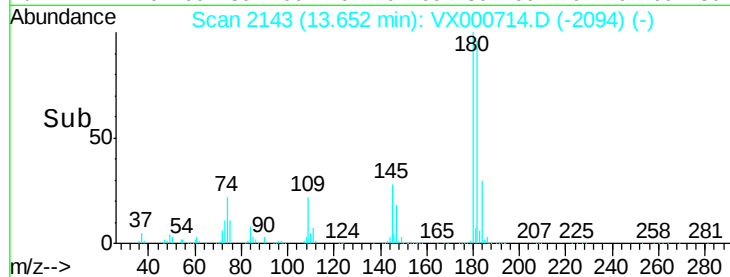
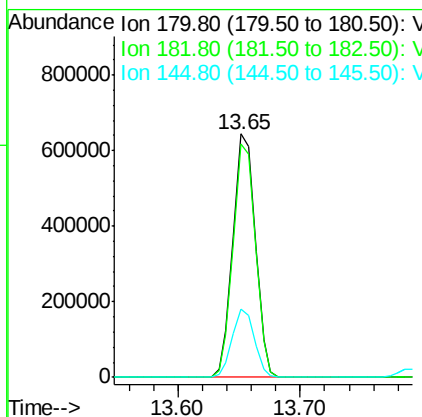
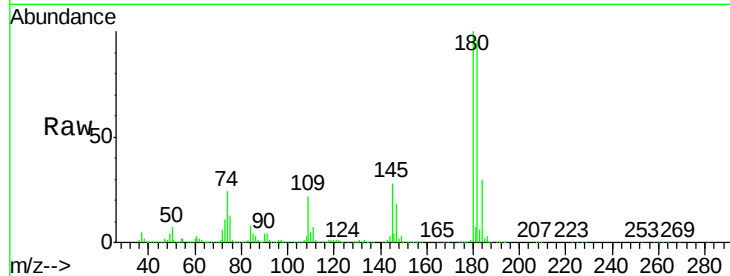
#93
 1,2,4-Trichlorobenzene
 Concen: 141.410 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX000714.D
 Acq: 07 Apr 2018 13:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	812886		
182	96.1	47.9	143.7	
145	27.9	14.1	42.3	

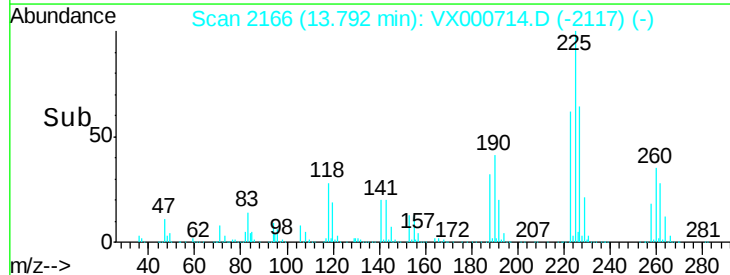
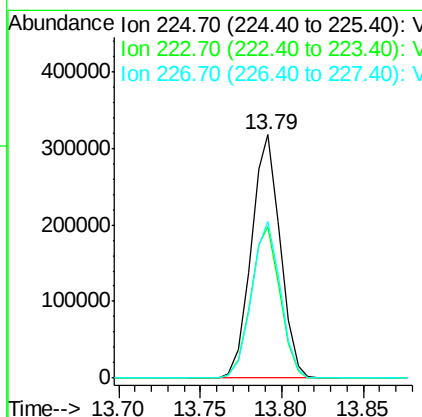
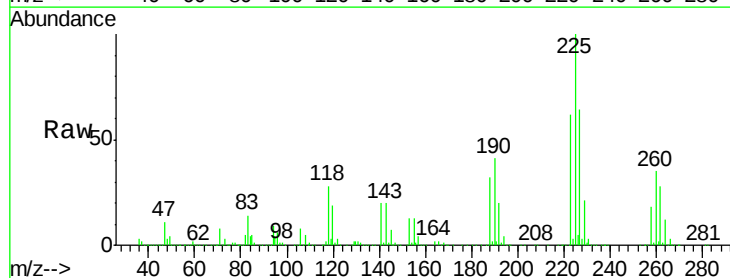
Manual Integrations
 APPROVED

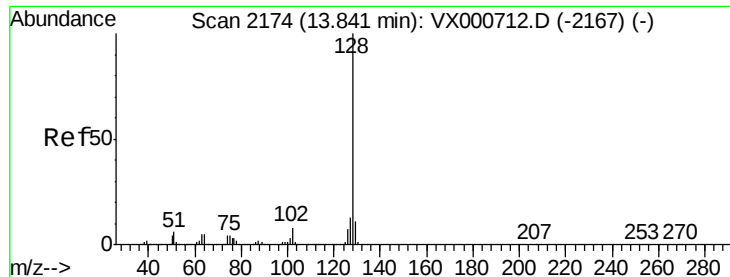
sam
 4/9/2018 2:02:38 PM



#94
 Hexachlorobutadiene
 Concen: 138.647 ug/l
 RT: 13.79 min Scan# 2166
 Delta R.T. -0.00 min
 Lab File: VX000714.D
 Acq: 07 Apr 2018 13:30

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	391068		
223	62.7	30.9	92.8	
227	64.4	31.9	95.7	





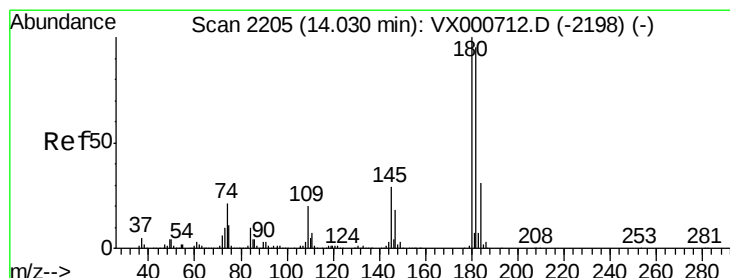
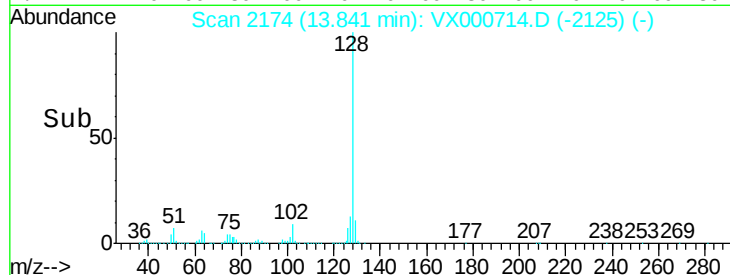
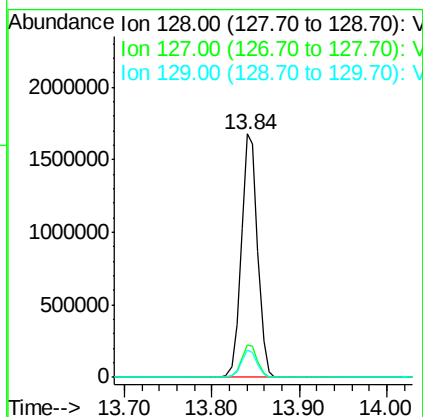
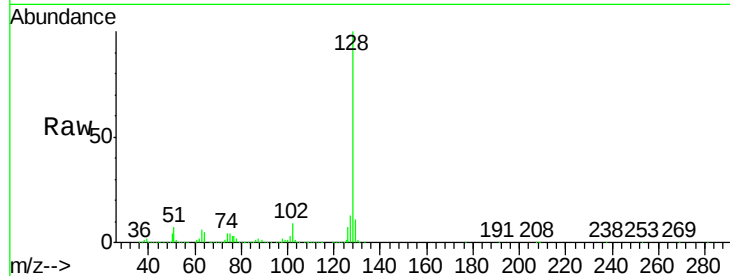
#95
Naphthalene
Concen: 138.838 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX000714.D
Acq: 07 Apr 2018 13:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

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

Manual Integrations
APPROVED

sam
4/9/2018 2:02:38 PM



#96
1,2,3-Trichlorobenzene
Concen: 141.669 ug/l
RT: 14.03 min Scan# 2205
Delta R.T. -0.00 min
Lab File: VX000714.D
Acq: 07 Apr 2018 13:30

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.8	143.3
145	29.6	14.9	44.9

