

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091418\
 Data File : VX004557.D
 Acq On : 15 Sep 2018 02:17
 Operator : JC/MD
 Sample : VX0914WBS03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0914WBS03

Manual Integrations
 APPROVED

sam
 9/17/2018 6:17:39 PM

Quant Time: Sep 15 06:21:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	271473	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	333404	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	311636	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	182909	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	178170	50.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.80%	
35) Dibromofluoromethane	5.51	113	150715	49.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.80%	
50) Toluene-d8	8.72	98	531534	51.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.90%	
62) 4-Bromofluorobenzene	11.14	95	179470	49.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.28%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.20	85	50833	19.98	ug/l	93
3) Chloromethane	1.32	50	67397	19.25	ug/l	100
4) Vinyl Chloride	1.40	62	69797	19.42	ug/l	98
5) Bromomethane	1.64	94	32567	20.96	ug/l	90
6) Chloroethane	1.72	64	42850	18.44	ug/l	96
7) Trichlorofluoromethane	1.93	101	92117	19.34	ug/l	97
8) Diethyl Ether	2.19	74	41741	19.54	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	57656	19.08	ug/l	97
10) Methyl Iodide	2.51	142	55725	18.37	ug/l	98
11) Tert butyl alcohol	3.06	59	79150	94.76	ug/l	99
12) 1,1-Dichloroethene	2.37	96	57081	20.12	ug/l	97
13) Acrolein	2.29	56	39230	118.98	ug/l	98
14) Allyl chloride	2.72	41	107669	18.46	ug/l	96
15) Acrylonitrile	3.15	53	189836	94.38	ug/l	98
16) Acetone	2.44	43	148706	87.04	ug/l	94
17) Carbon Disulfide	2.57	76	156364	19.07	ug/l	100
18) Methyl Acetate	2.78	43	92424	19.28	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	196937	19.79	ug/l	99
20) Methylene Chloride	2.85	84	68251	19.47	ug/l	93
21) trans-1,2-Dichloroethene	3.17	96	59359	18.94	ug/l	99
22) Diisopropyl ether	3.87	45	212178	20.20	ug/l	98
23) Vinyl Acetate	3.82	43	829812	97.63	ug/l	98
24) 1,1-Dichloroethane	3.70	63	116622	19.67	ug/l	100
25) 2-Butanone	4.70	43	231383	85.10	ug/l	99
26) 2,2-Dichloropropane	4.59	77	63263	15.53	ug/l	95
27) cis-1,2-Dichloroethene	4.60	96	69208	19.78	ug/l	98
28) Bromochloromethane	5.02	49	57059	21.04	ug/l	98
29) Tetrahydrofuran	5.15	42	155977	95.12	ug/l	98
30) Chloroform	5.21	83	118019	20.39	ug/l	96
31) Cyclohexane	5.57	56	98718	19.50	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	93760	20.11	ug/l	99
36) 1,1-Dichloropropene	5.80	75	81647	20.17	ug/l	97
37) Ethyl Acetate	4.85	43	89441	19.43	ug/l	99
38) Carbon Tetrachloride	5.78	117	82748	20.93	ug/l	92

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	84460	20.00	ug/l	96
40) Benzene	6.14	78	259280	21.59	ug/l	95
41) Methacrylonitrile	5.06	41	50768	20.02	ug/l	98
42) 1,2-Dichloroethane	6.20	62	88303	22.17	ug/l	99
43) Isopropyl Acetate	6.46	43	129895	21.24	ug/l	99
44) Trichloroethene	7.21	130	64417	20.65	ug/l	94
45) 1,2-Dichloropropane	7.51	63	60980	21.10	ug/l	93
46) Dibromomethane	7.66	93	36630	20.06	ug/l	99
47) Bromodichloromethane	7.90	83	67854	19.65	ug/l	97
48) Methyl methacrylate	7.78	41	58933	19.48	ug/l	98
49) 1,4-Dioxane	7.75	88	28729	401.13	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	402097	93.19	ug/l	99
52) Toluene	8.79	92	152283	21.52	ug/l	96
53) t-1,3-Dichloropropene	9.04	75	87100	21.60	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	79815	19.41	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	66566	21.85	ug/l	96
56) Ethyl methacrylate	9.18	69	94992	22.04	ug/l	98
57) 1,3-Dichloropropane	9.37	76	109478	22.12	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	205787	98.26	ug/l	96
59) 2-Hexanone	9.50	43	342914	103.61	ug/l	95
60) Dibromochloromethane	9.59	129	59108	20.61	ug/l	98
61) 1,2-Dibromoethane	9.67	107	65119	22.37	ug/l	94
64) Tetrachloroethene	9.34	164	82086	21.10	ug/l	93
65) Chlorobenzene	10.14	112	159141	20.56	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.23	131	55114	20.65	ug/l	98
67) Ethyl Benzene	10.26	91	254341	20.21	ug/l	99
68) m/p-Xylenes	10.36	106	202361	41.74	ug/l	98
69) o-Xylene	10.70	106	97286	20.87	ug/l	99
70) Styrene	10.71	104	160415	20.77	ug/l	98
71) Bromoform	10.86	173	43962	20.06	ug/l #	99
73) Isopropylbenzene	11.02	105	263118	21.84	ug/l	100
74) N-amyl acetate	10.90	43	103737	20.46	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	78334	20.16	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	74988m	20.38	ug/l	
77) Bromobenzene	11.26	156	70491	21.17	ug/l	98
78) n-propylbenzene	11.36	91	296800	21.43	ug/l	99
79) 2-Chlorotoluene	11.42	91	179789	21.40	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	217821	21.51	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	20329	17.61	ug/l	98
82) 4-Chlorotoluene	11.51	91	206852	21.10	ug/l	100
83) tert-Butylbenzene	11.77	119	207966	21.57	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	227696	22.02	ug/l	98
85) sec-Butylbenzene	11.94	105	262437	21.36	ug/l	99
86) p-Isopropyltoluene	12.07	119	233146	21.49	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	128657	20.71	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	129212	20.13	ug/l	99
89) n-Butylbenzene	12.39	91	189283	19.15	ug/l	97
90) Hexachloroethane	12.60	117	34683	19.97	ug/l	97
91) 1,2-Dichlorobenzene	12.40	146	129126	20.54	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	16722	20.16	ug/l	99

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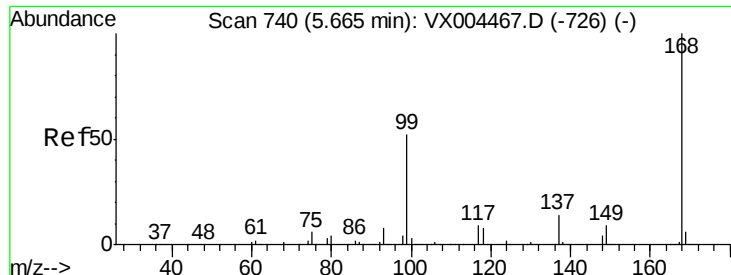
Manual Integrations
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9/17/2018 6:17:39 PM

Quant Time: Sep 15 06:21:16 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 12 02:17:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	97292	21.85	ug/l	98
94) Hexachlorobutadiene	13.79	225	46812	20.13	ug/l	96
95) Naphthalene	13.83	128	268607	21.51	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	97259	21.26	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX004557.D

Acq: 15 Sep 2018 02:17

Instrument :

MSVOA_X

ClientSampleId :

VX0914WBS03

Tot Ion:168 Resp: 271473

Ion Ratio Lower Upper

168 100

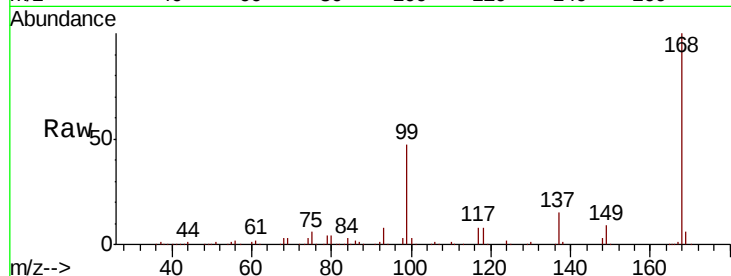
99 46.8 39.9 59.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

60000

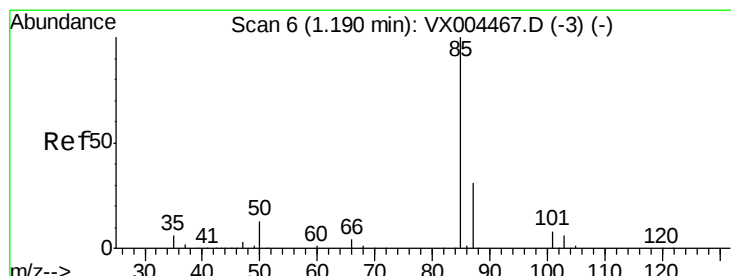
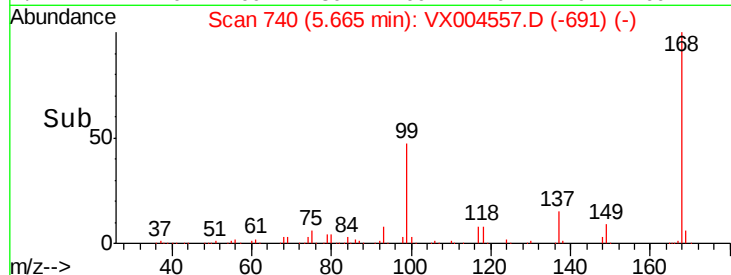
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.98 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.01 min

Lab File: VX004557.D

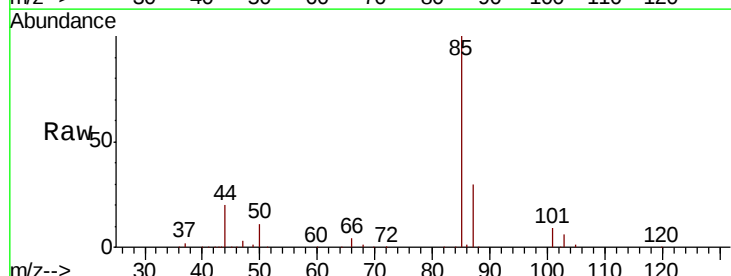
Acq: 15 Sep 2018 02:17

Tgt Ion: 85 Resp: 50833

Ion Ratio Lower Upper

85 100

87 30.0 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

60000

50000

40000

30000

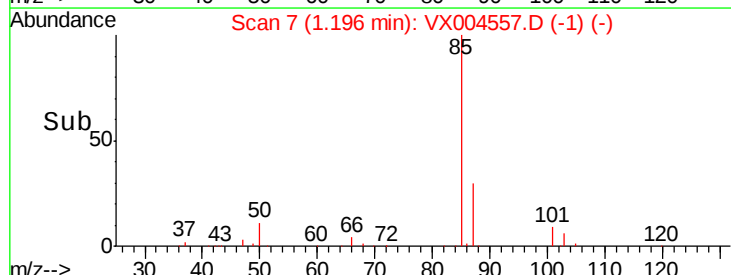
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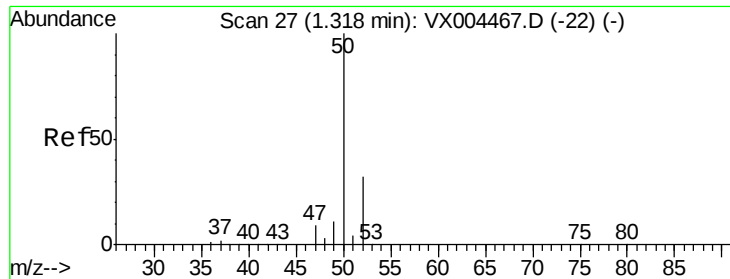
10000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 19.25 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX004557.D

Acq: 15 Sep 2018 02:17

Instrument :

MSVOA_X

ClientSampleId :

VX0914WBS03

Tot Ion: 50 Resp: 67397

Ion Ratio Lower Upper

50 100

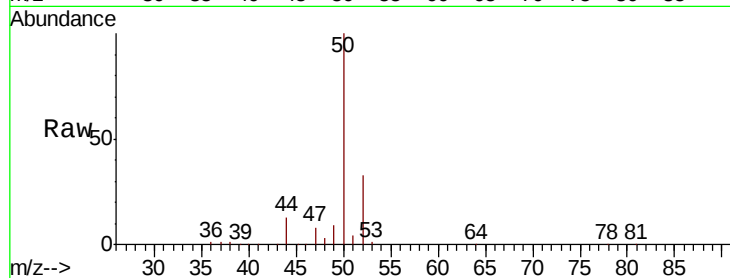
52 32.9 26.2 39.2

Manual Integrations

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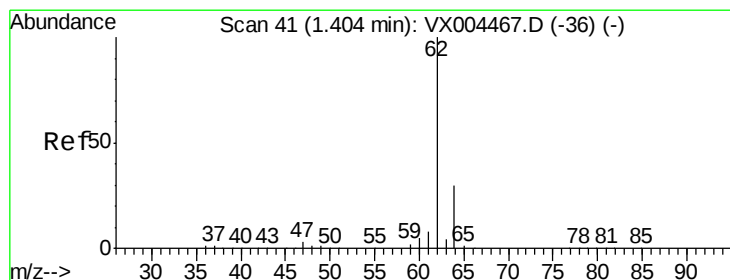
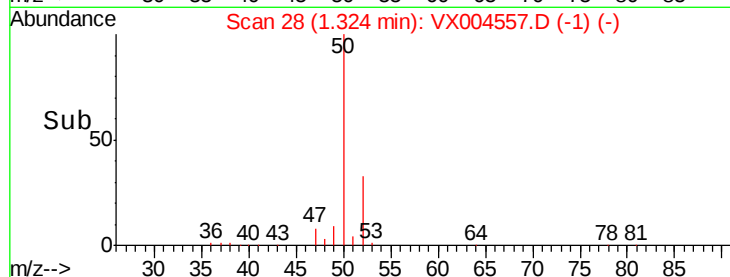
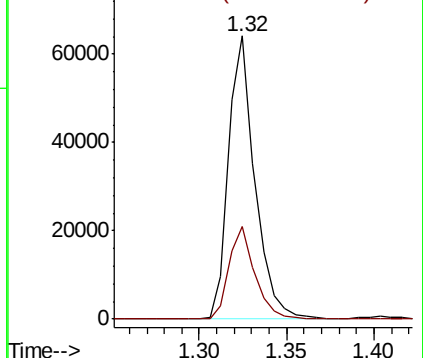
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 19.42 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX004557.D

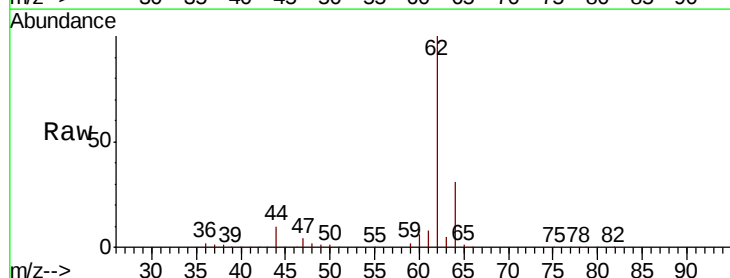
Acq: 15 Sep 2018 02:17

Tgt Ion: 62 Resp: 69797

Ion Ratio Lower Upper

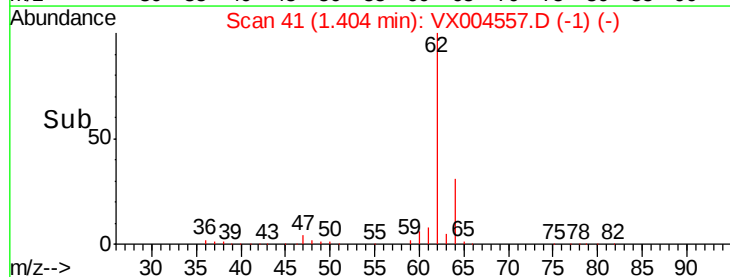
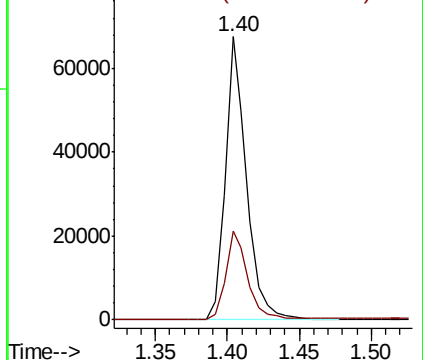
62 100

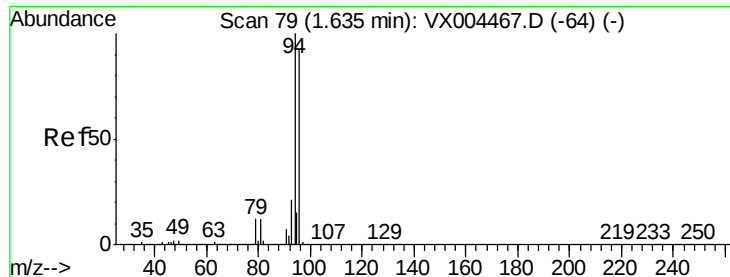
64 31.3 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 20.96 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004557.D

Acq: 15 Sep 2018 02:17

Instrument :

MSVOA_X

ClientSampleId :

VX0914WBS03

Tot Ion: 94 Resp: 32567

Ion Ratio Lower Upper

94 100

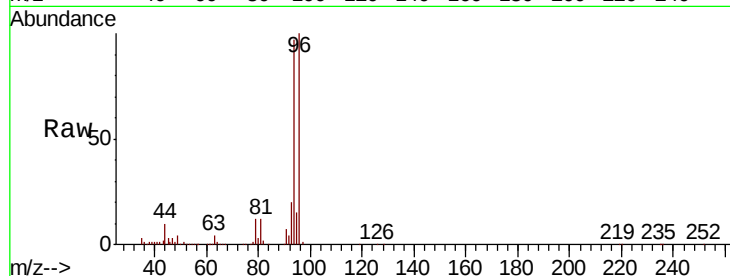
96 103.1 74.5 111.7

Manual Integrations

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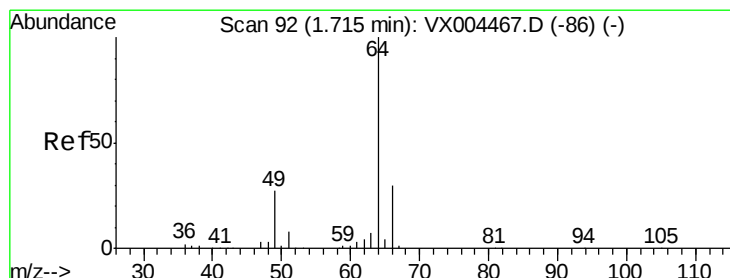
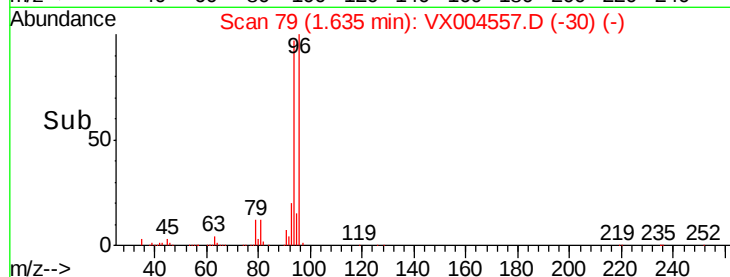
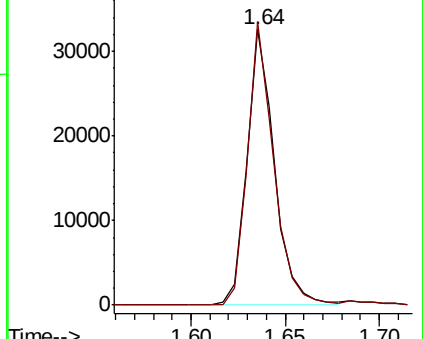
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 18.44 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX004557.D

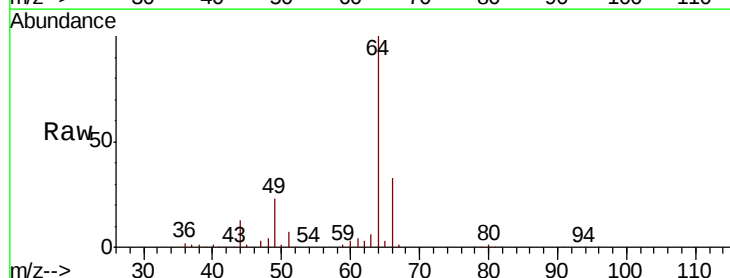
Acq: 15 Sep 2018 02:17

Tgt Ion: 64 Resp: 42850

Ion Ratio Lower Upper

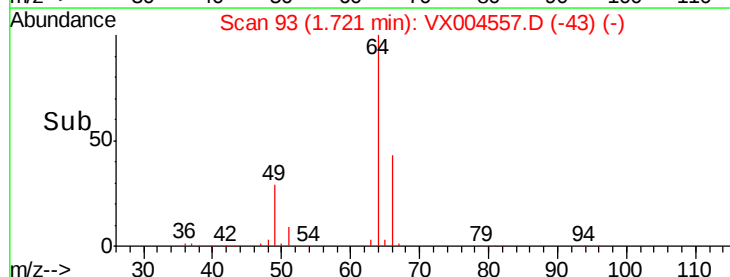
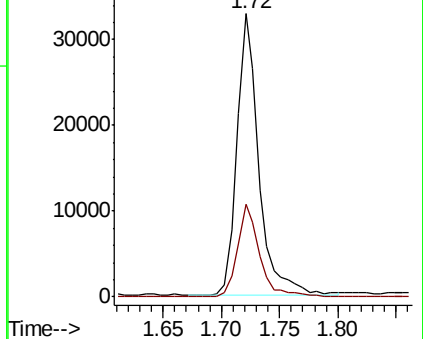
64 100

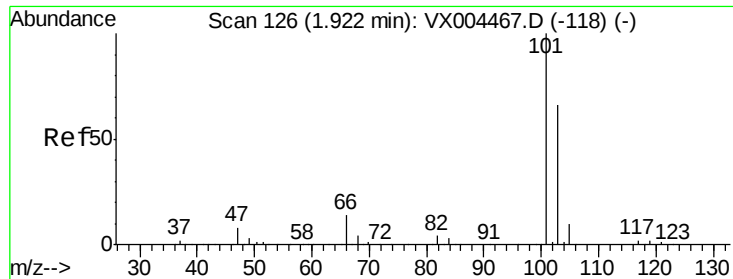
66 33.1 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

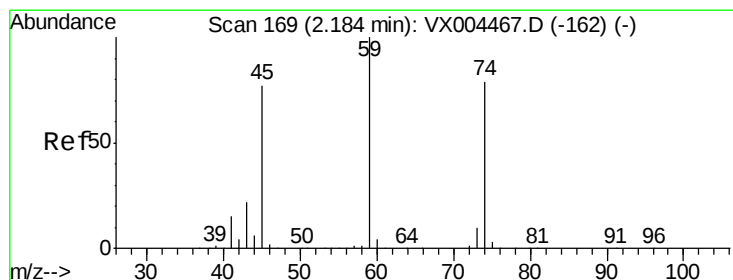
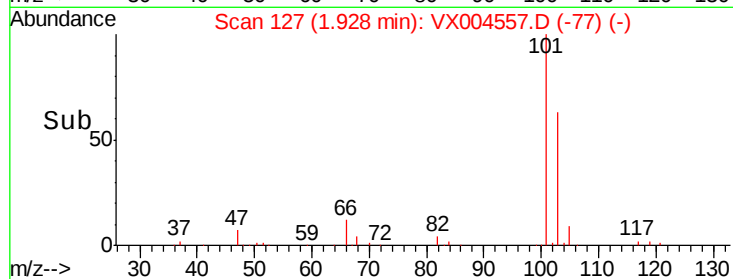
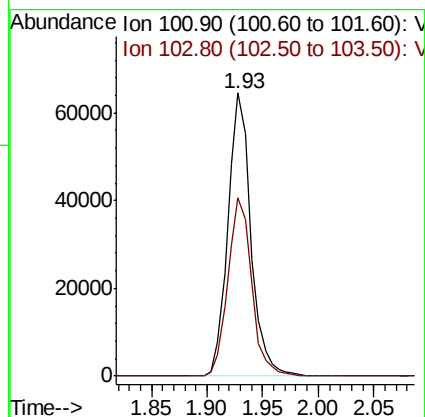
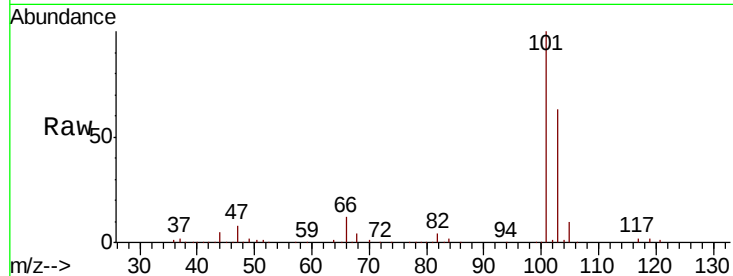
Trichlorofluoromethane
 Concen: 19.34 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX004557.D
 Acq: 15 Sep 2018 02:17

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 VX0914WBS03

Tot Ion:101 Resp: 92117
 Ion Ratio Lower Upper
 101 100
 103 63.0 48.9 73.3

Manual Integrations
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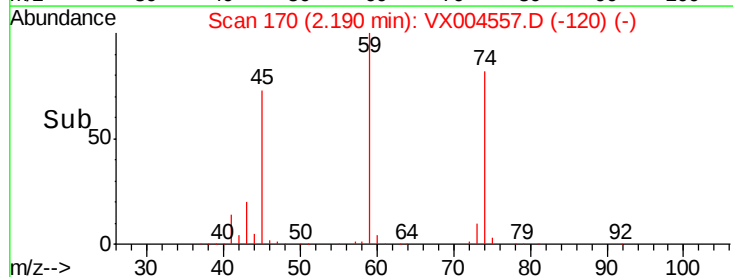
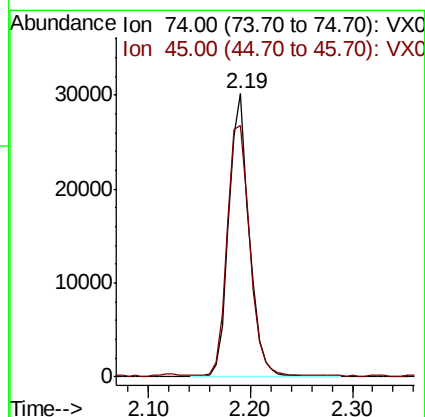
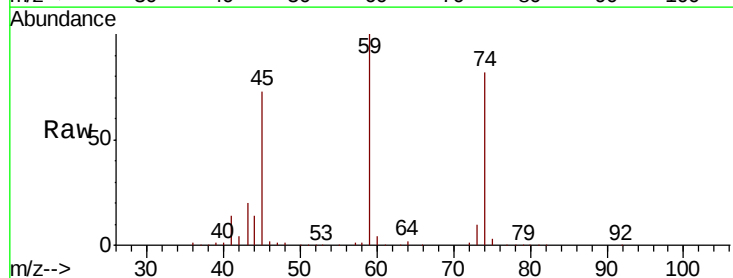
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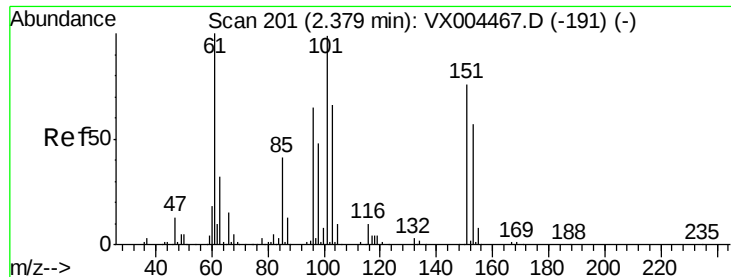


#8

Diethyl Ether
 Concen: 19.54 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX004557.D
 Acq: 15 Sep 2018 02:17

Tgt Ion: 74 Resp: 41741
 Ion Ratio Lower Upper
 74 100
 45 97.6 48.3 144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.08 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX004557.D

Acq: 15 Sep 2018 02:17

Instrument :

MSVOA_X

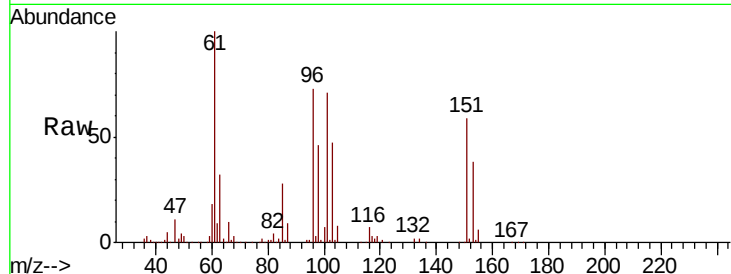
ClientSampleId :

VX0914WBS03

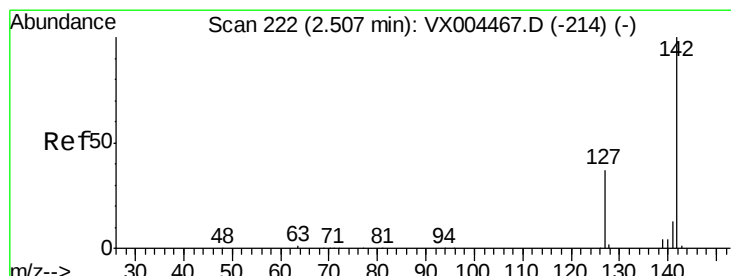
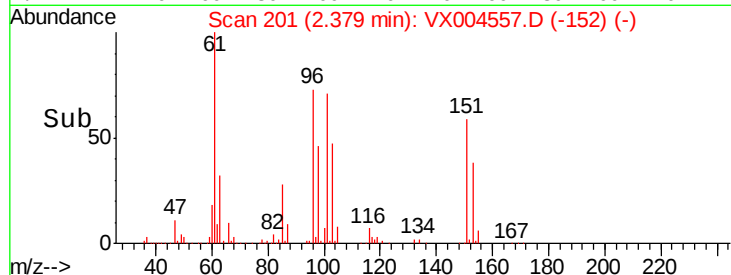
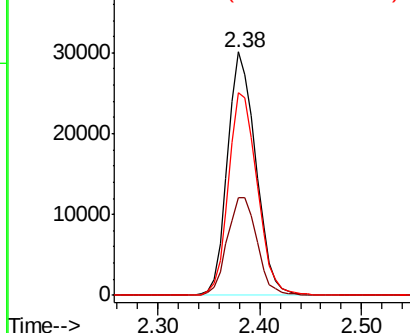
Tot Ion:	101	Resp:	57656
Ion Ratio	Lower	Upper	
101	100		
85	42.2	34.2	51.4
151	84.4	65.0	97.6

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



#10

Methyl Iodide

Concen: 18.37 ug/l

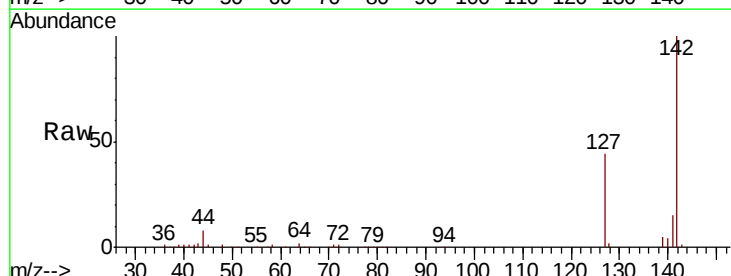
RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

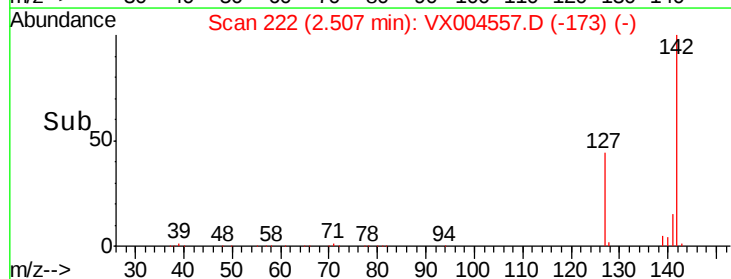
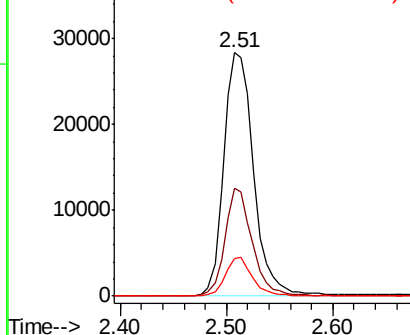
Lab File: VX004557.D

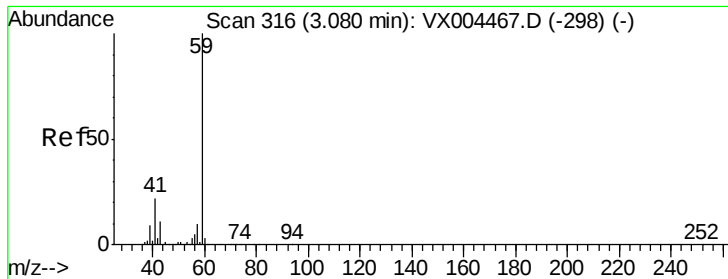
Acq: 15 Sep 2018 02:17

Tgt Ion:	142	Resp:	55725
Ion Ratio	Lower	Upper	
142	100		
127	40.7	33.8	50.6
141	14.3	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





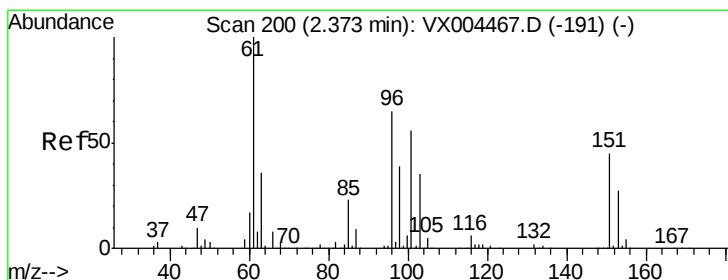
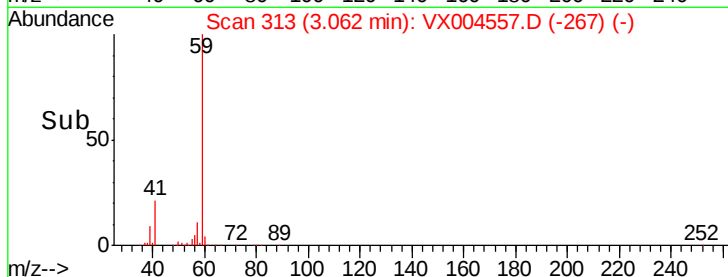
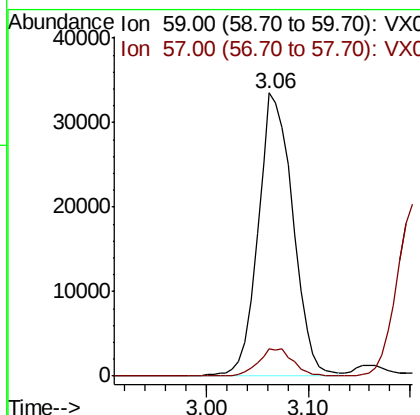
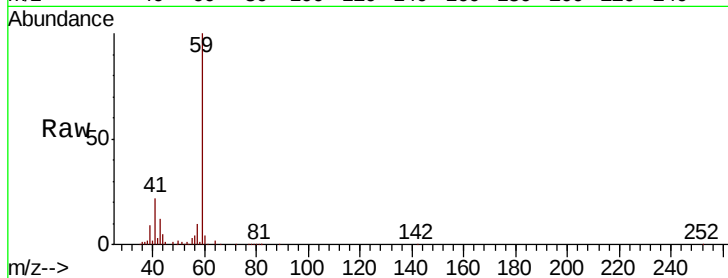
#11
Tert butyl alcohol
Concen: 94.76 ug/l
RT: 3.06 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX004557.D
Acq: 15 Sep 2018 02:17

Instrument :
MSVOA_X
ClientSampleId :
VX0914WBS03

Tot Ion: 59 Resp: 79150
Ion Ratio Lower Upper
59 100
57 9.9 8.2 12.4

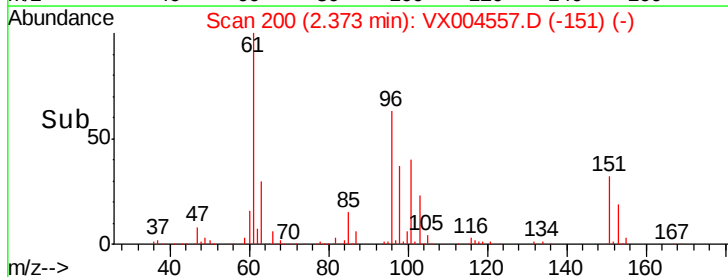
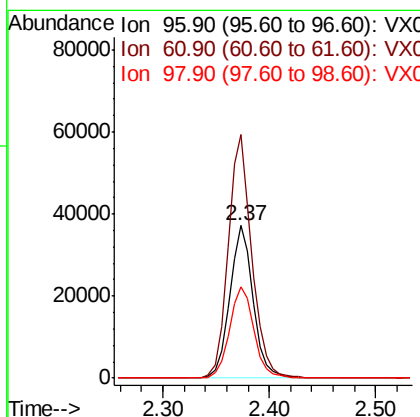
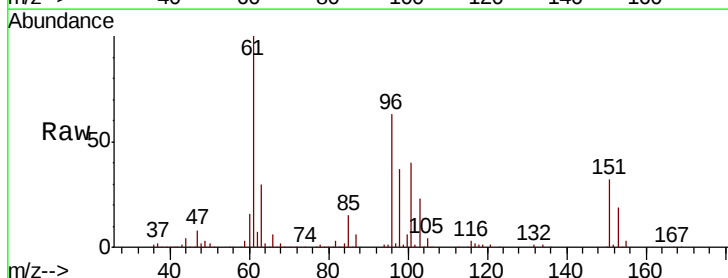
Manual Integrations
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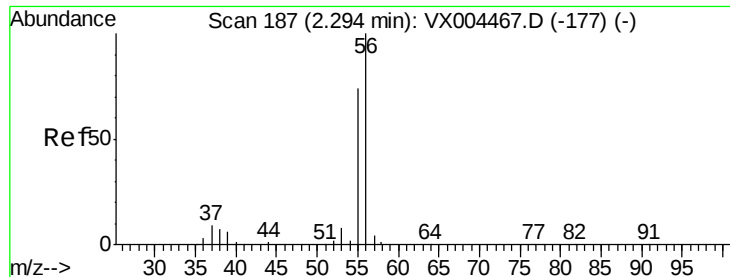
sam
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#12
1,1-Dichloroethene
Concen: 20.12 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX004557.D
Acq: 15 Sep 2018 02:17

Tgt Ion: 96 Resp: 57081
Ion Ratio Lower Upper
96 100
61 160.0 128.8 193.2
98 59.8 52.2 78.2





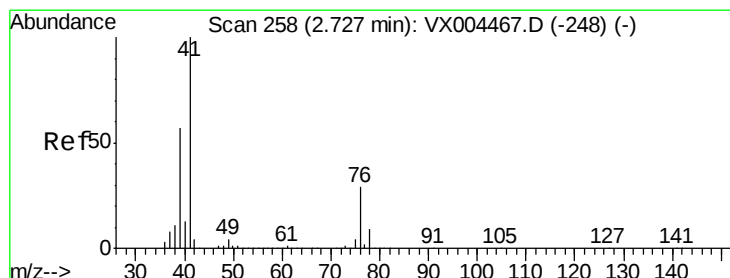
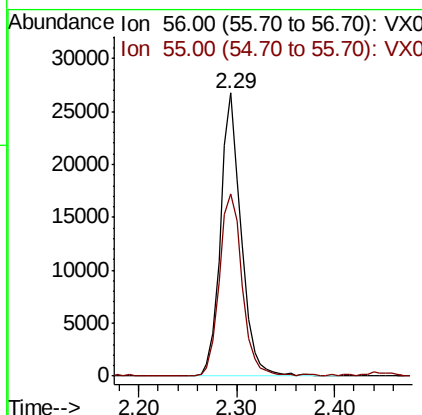
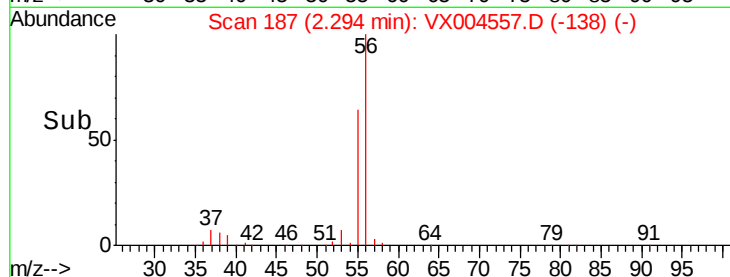
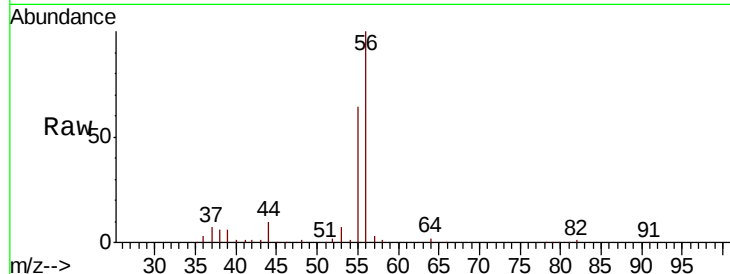
#13
Acrolein
Concen: 118.98 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX004557.D
Acq: 15 Sep 2018 02:17

Instrument :
MSVOA_X
ClientSampleId :
VX0914WBS03

Tot Ion: 56 Resp: 39230
Ion Ratio Lower Upper
56 100
55 69.9 54.7 82.1

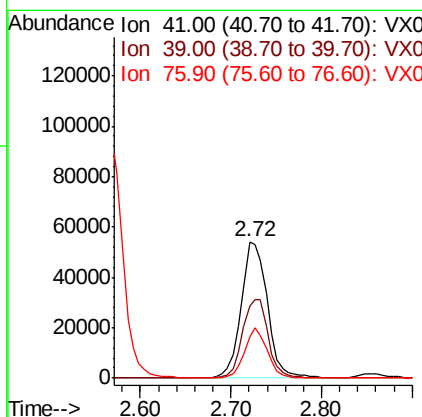
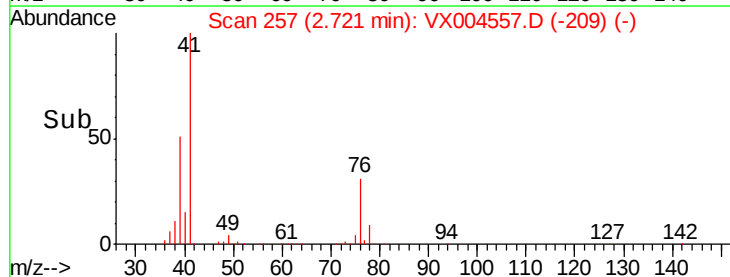
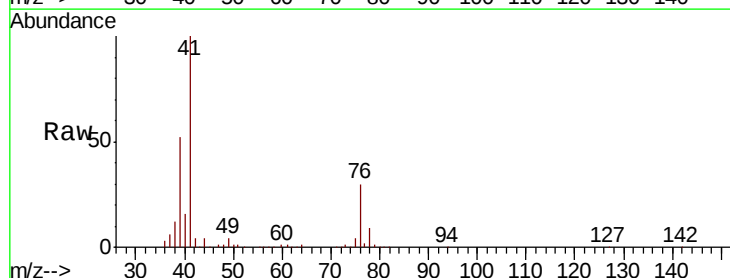
Manual Integrations
APPROVED

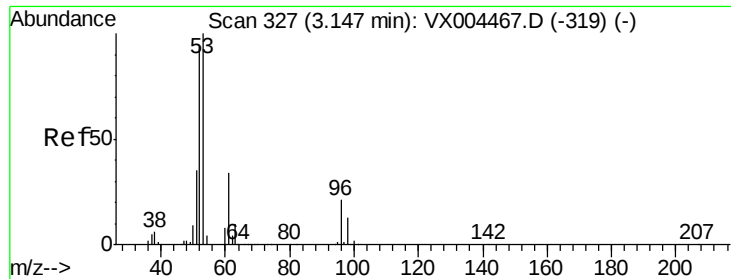
sam
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#14
Allyl chloride
Concen: 18.46 ug/l
RT: 2.72 min Scan# 257
Delta R.T. -0.01 min
Lab File: VX004557.D
Acq: 15 Sep 2018 02:17

Tgt Ion: 41 Resp: 107669
Ion Ratio Lower Upper
41 100
39 56.9 48.9 73.3
76 32.0 26.7 40.1





#15

Acrylonitrile

Concen: 94.38 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX004557.D

Acq: 15 Sep 2018 02:17

Instrument :

MSVOA_X

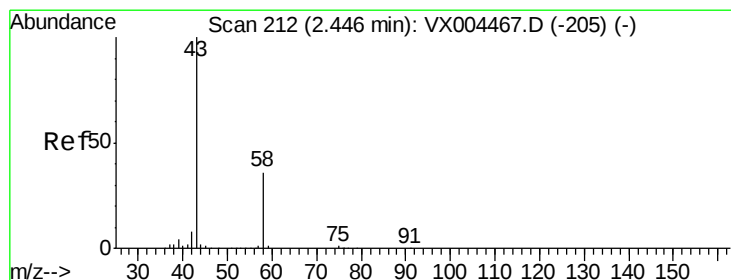
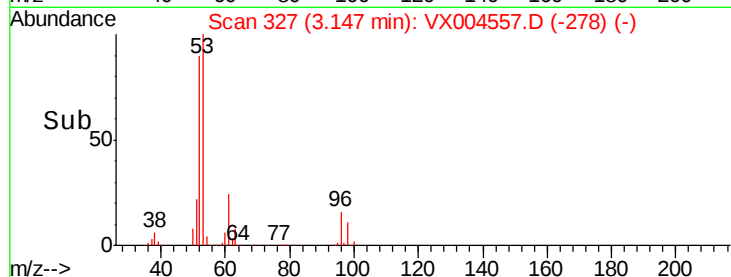
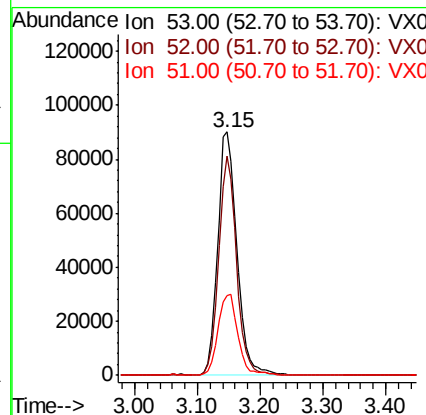
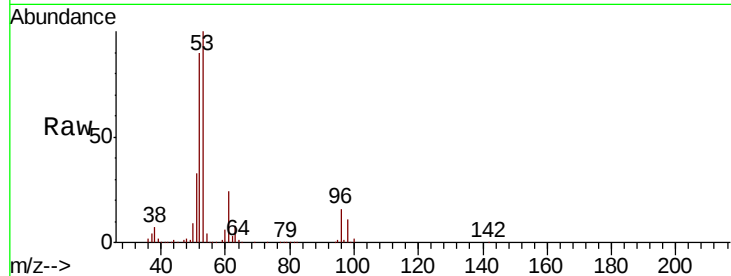
ClientSampleId :

VX0914WBS03

Tot Ion:	53	Resp:	189836
Ion Ratio	Lower	Upper	
53	100		
52	83.7	65.2	97.8
51	34.6	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 87.04 ug/l

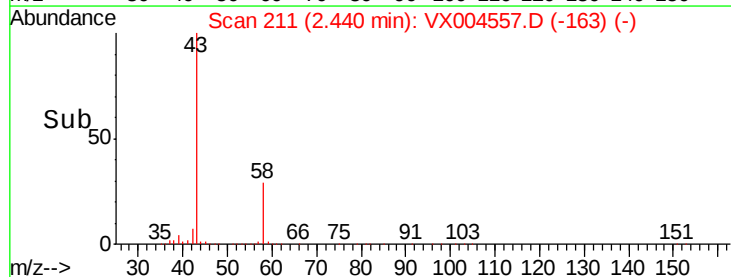
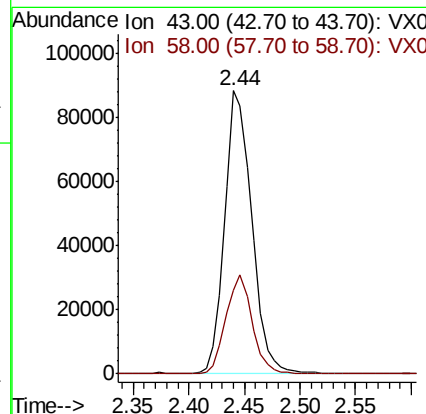
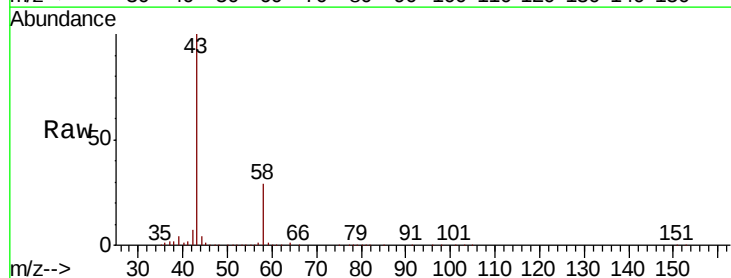
RT: 2.44 min Scan# 211

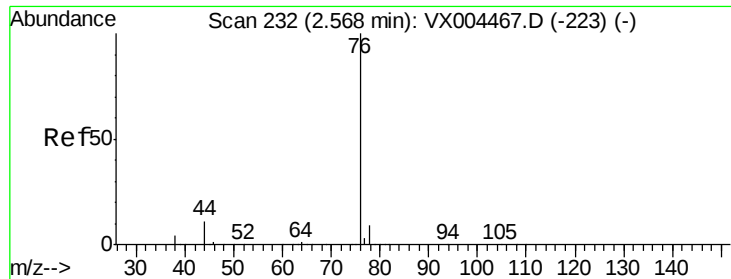
Delta R.T. -0.01 min

Lab File: VX004557.D

Acq: 15 Sep 2018 02:17

Tgt Ion:	43	Resp:	148706
Ion Ratio	Lower	Upper	
43	100		
58	29.5	26.2	39.4





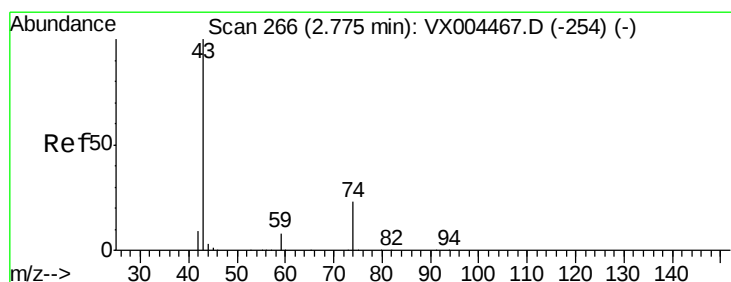
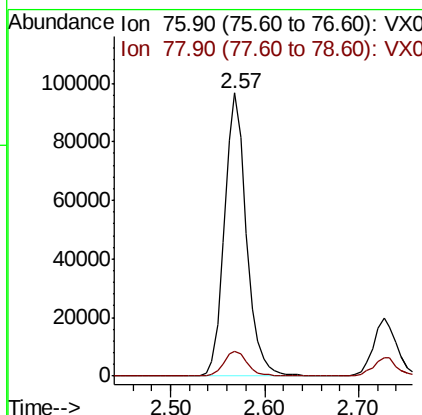
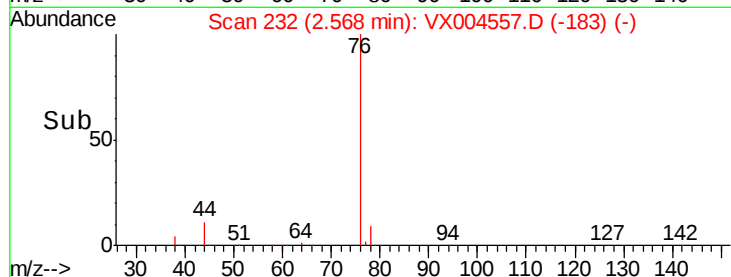
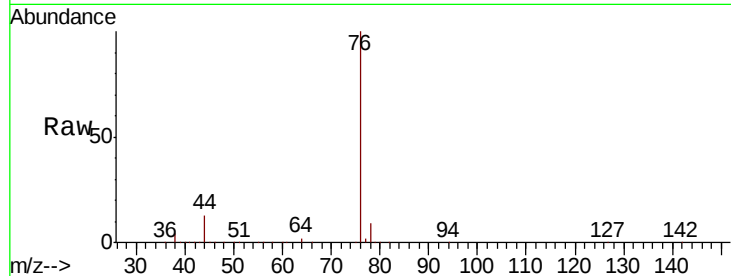
#17
Carbon Disulfide
Concen: 19.07 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX004557.D
Acq: 15 Sep 2018 02:17

Instrument :
MSVOA_X
ClientSampled :
VX0914WBS03

Tot Ion: 76 Resp: 156364
Ion Ratio Lower Upper
76 100
78 8.9 7.0 10.6

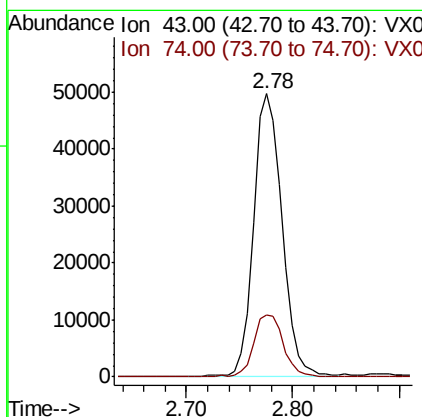
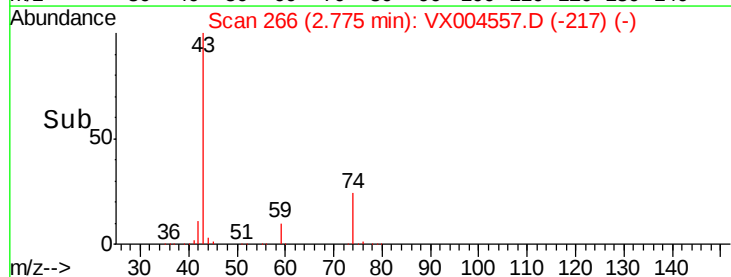
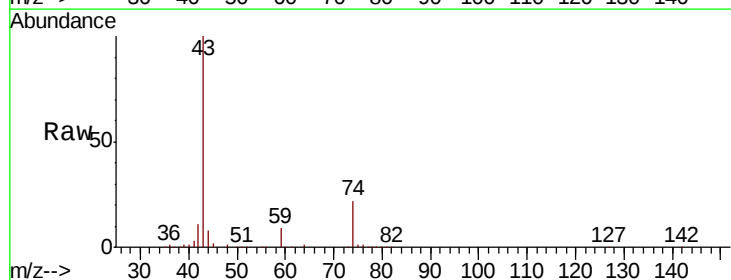
Manual Integrations
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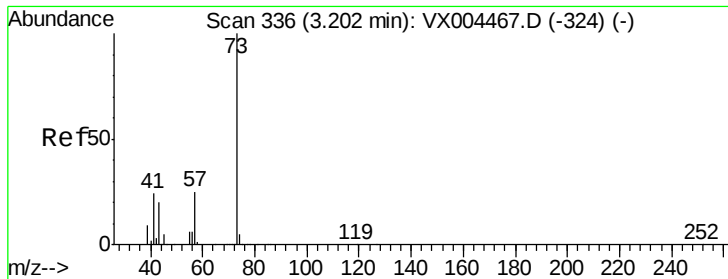
sam
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#18
Methyl Acetate
Concen: 19.28 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX004557.D
Acq: 15 Sep 2018 02:17

Tgt Ion: 43 Resp: 92424
Ion Ratio Lower Upper
43 100
74 23.3 19.4 29.2





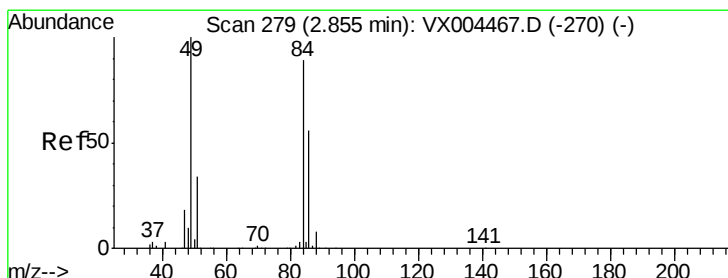
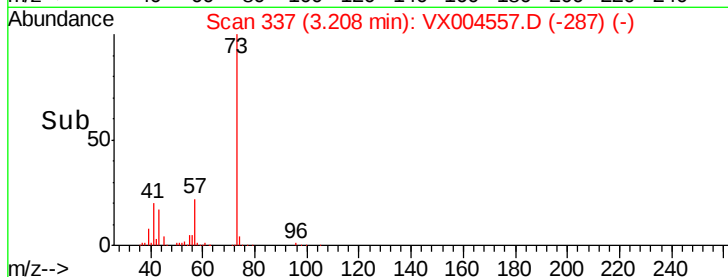
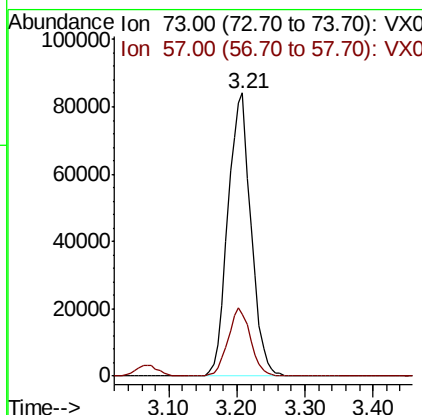
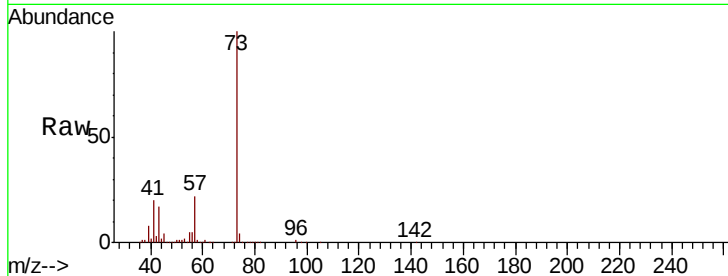
#19
Methyl tert-butyl Ether
Concen: 19.79 ug/l
RT: 3.21 min Scan# 337
Delta R.T. 0.01 min
Lab File: VX004557.D
Acq: 15 Sep 2018 02:17

Instrument :
MSVOA_X
ClientSampleId :
VX0914WBS03

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.1	25.7

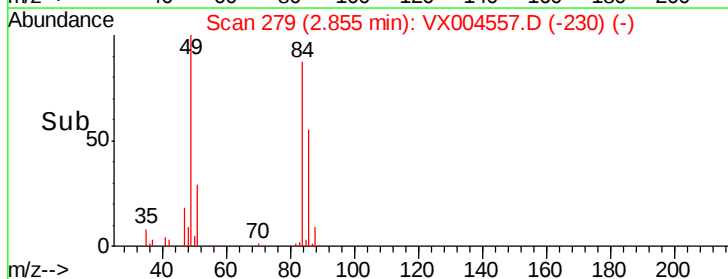
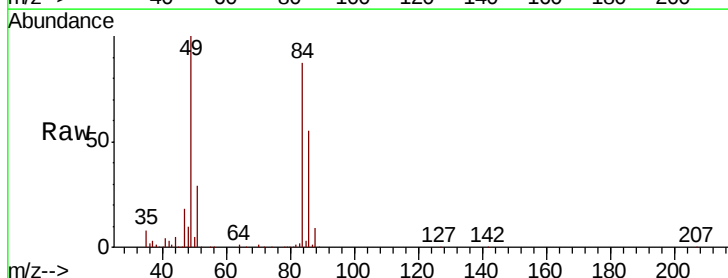
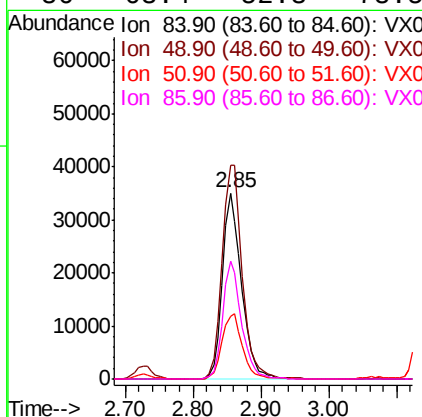
Manual Integrations
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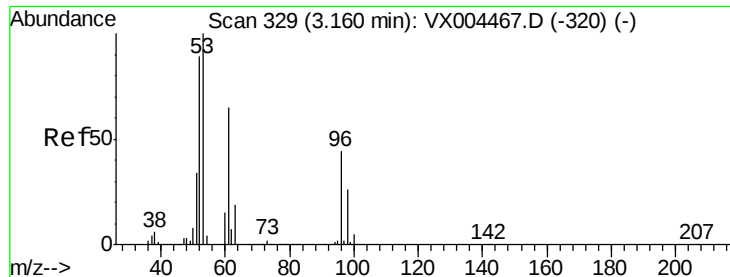
sam
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#20
Methylene Chloride
Concen: 19.47 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX004557.D
Acq: 15 Sep 2018 02:17

Tgt Ion	Ratio	Lower	Upper
84	100		
49	114.9	101.2	151.8
51	33.6	29.5	44.3
86	63.4	52.3	78.5





#21

trans-1,2-Dichloroethene

Concen: 18.94 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX004557.D

Acq: 15 Sep 2018 02:17

Instrument :

MSVOA_X

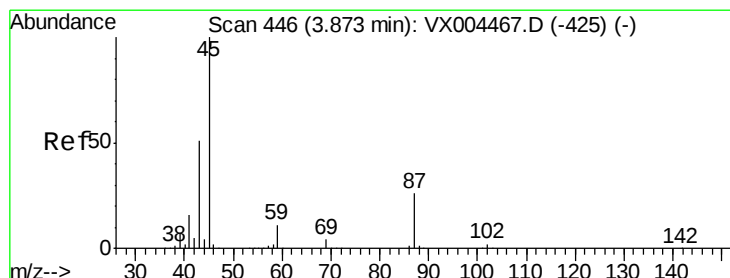
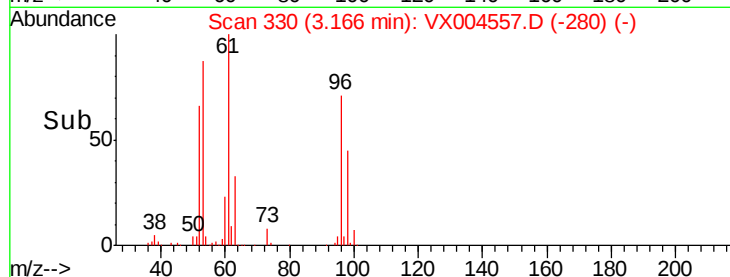
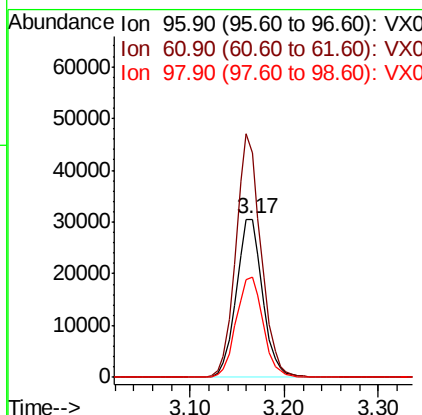
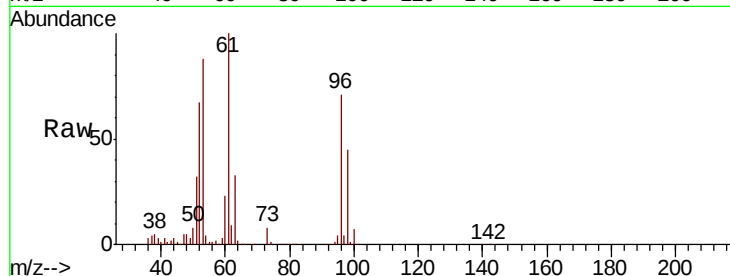
ClientSampleId :

VX0914WBS03

Tot Ion:	96	Resp:	59359
Ion	Ratio	Lower	Upper
96	100		
61	141.7	113.8	170.6
98	63.2	51.8	77.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.20 ug/l

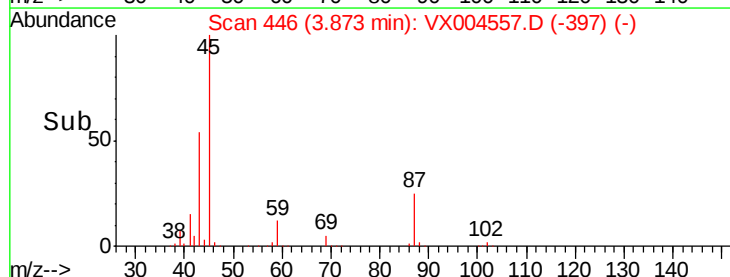
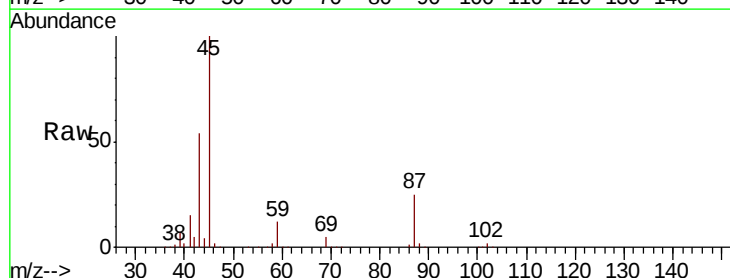
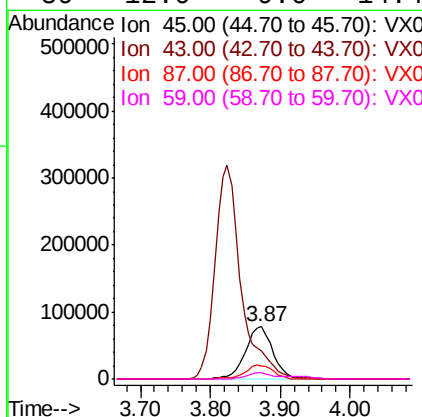
RT: 3.87 min Scan# 446

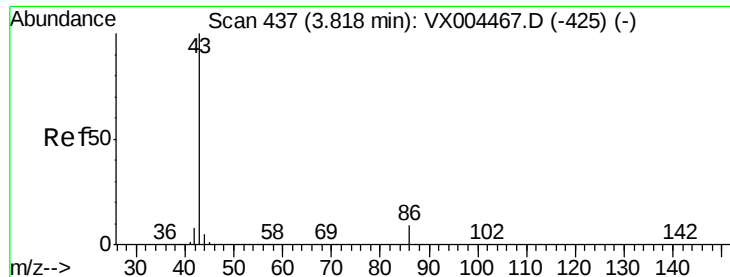
Delta R.T. -0.00 min

Lab File: VX004557.D

Acq: 15 Sep 2018 02:17

Tgt Ion:	45	Resp:	212178
Ion	Ratio	Lower	Upper
45	100		
43	53.1	42.8	64.2
87	25.0	22.6	34.0
59	12.0	9.6	14.4





#23

Vinyl Acetate

Concen: 97.63 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX004557.D

Acq: 15 Sep 2018 02:17

Instrument :

MSVOA_X

ClientSampleId :

VX0914WBS03

Tot Ion: 43 Resp: 829812

Ion Ratio Lower Upper

43 100

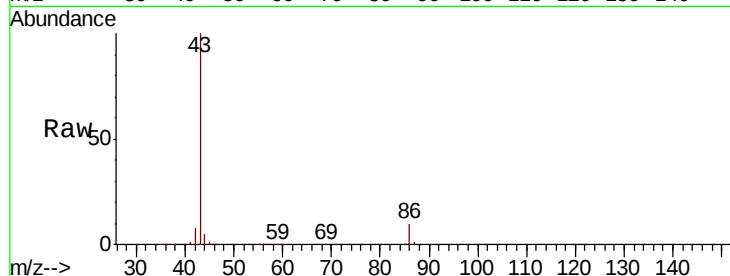
86 10.3 8.9 13.3

Manual Integrations

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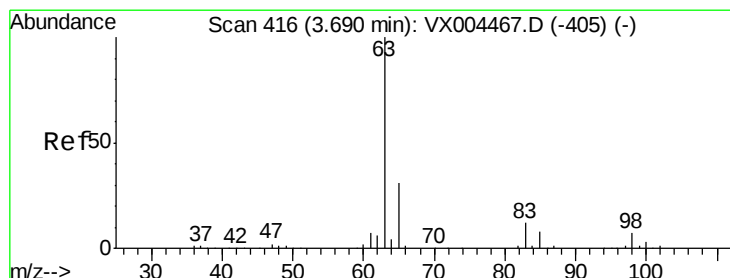
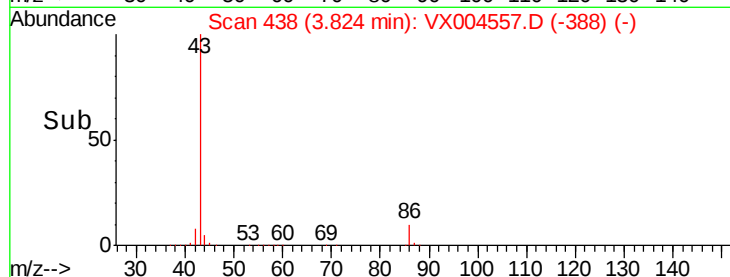
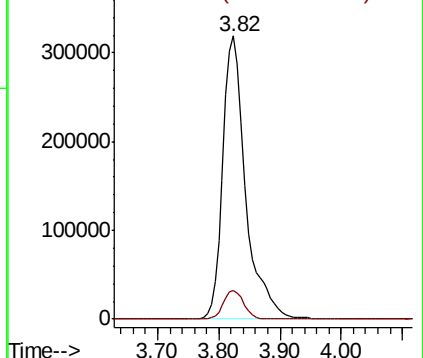
sam

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 19.67 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX004557.D

Acq: 15 Sep 2018 02:17

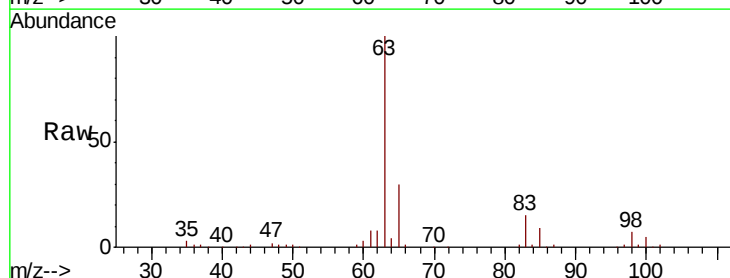
Tgt Ion: 63 Resp: 116622

Ion Ratio Lower Upper

63 100

98 6.7 3.5 10.4

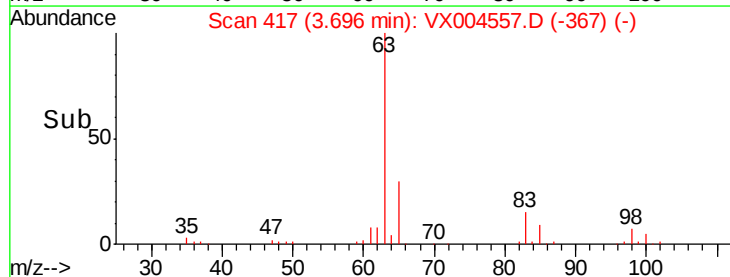
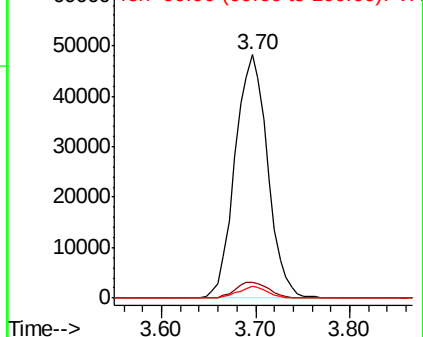
100 4.8 2.4 7.1

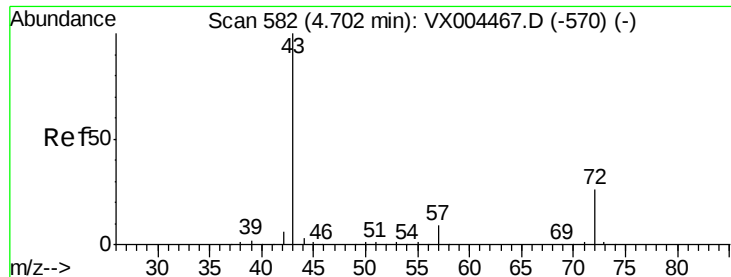


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 85.10 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX004557.D

Acq: 15 Sep 2018 02:17

Instrument :

MSVOA_X

ClientSampled :

VX0914WBS03

Tot Ion: 43 Resp: 231383

Ion Ratio Lower Upper

43 100

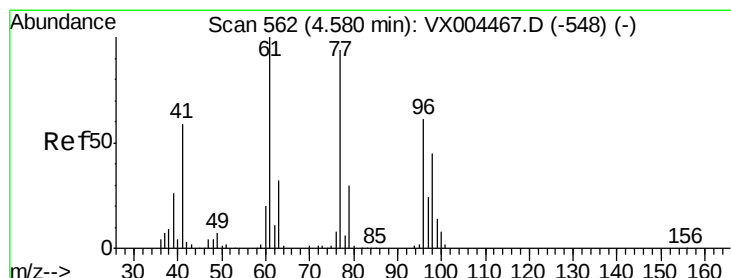
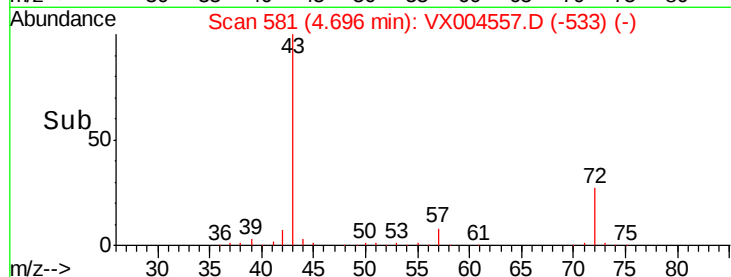
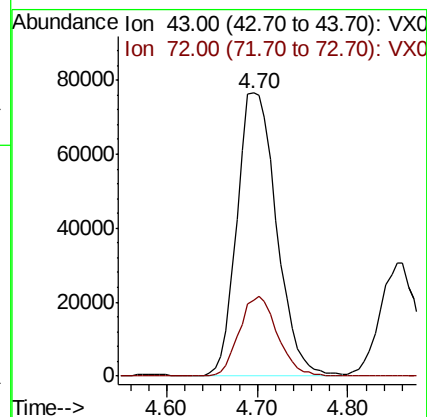
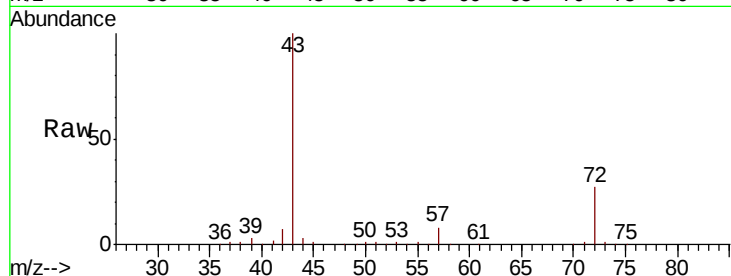
72 26.8 22.0 33.0

Manual Integrations

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sam

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#26

2,2-Dichloropropane

Concen: 15.53 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX004557.D

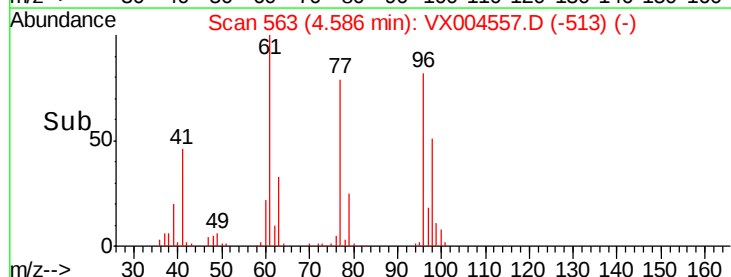
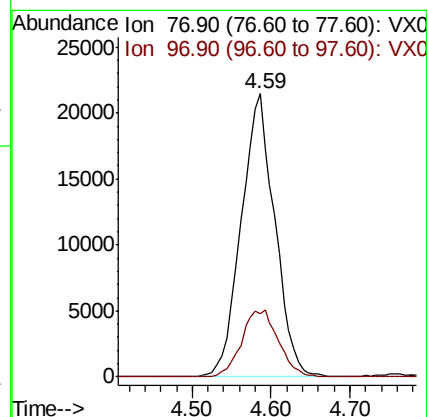
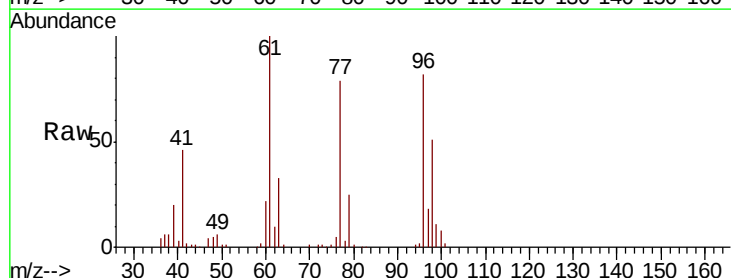
Acq: 15 Sep 2018 02:17

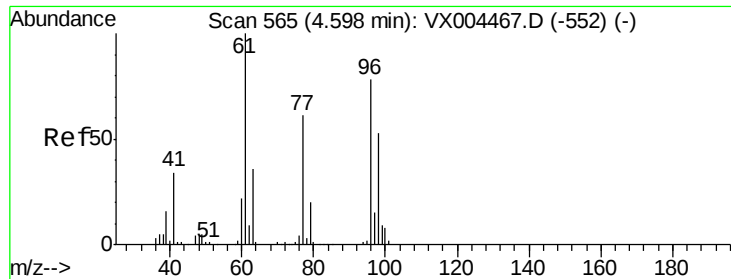
Tgt Ion: 77 Resp: 63263

Ion Ratio Lower Upper

77 100

97 25.8 11.7 35.0





#27

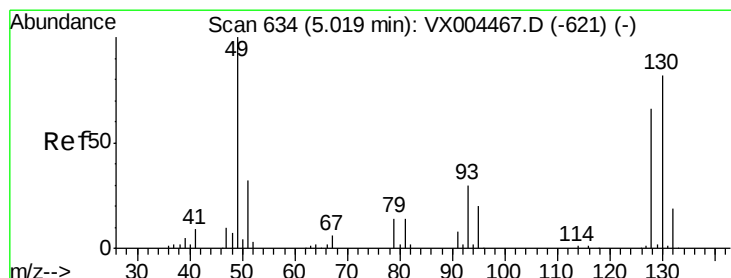
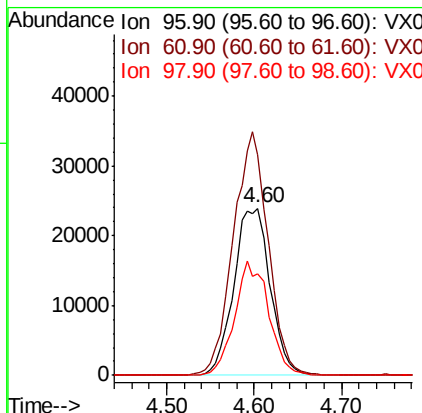
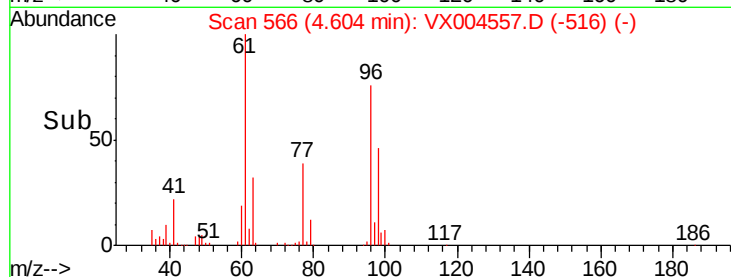
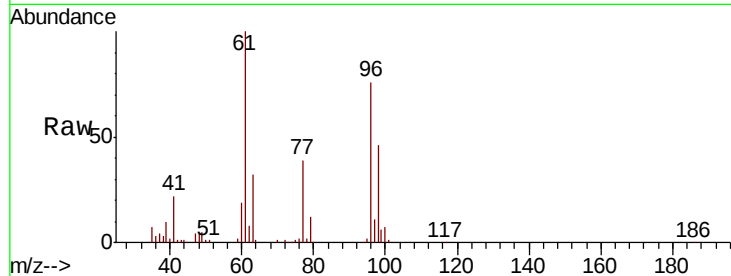
cis-1,2-Dichloroethene
Concen: 19.78 ug/l
RT: 4.60 min Scan# 566
Delta R.T. 0.01 min
Lab File: VX004557.D
Acq: 15 Sep 2018 02:17

Instrument :
MSVOA_X
ClientSampleId :
VX0914WBS03

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.7	0.0	282.6
98	63.4	0.0	130.2

Manual Integrations
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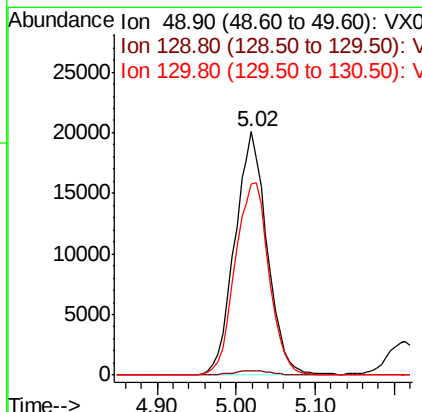
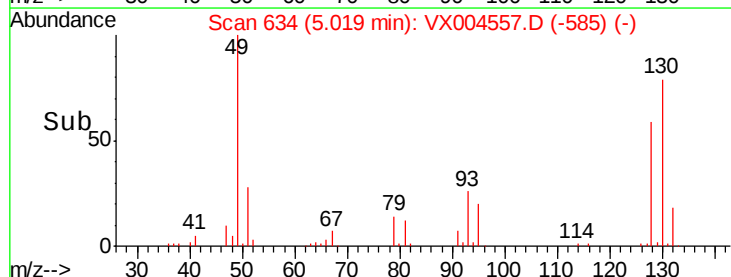
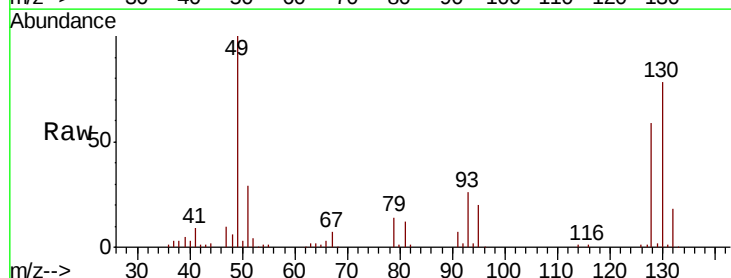
sam
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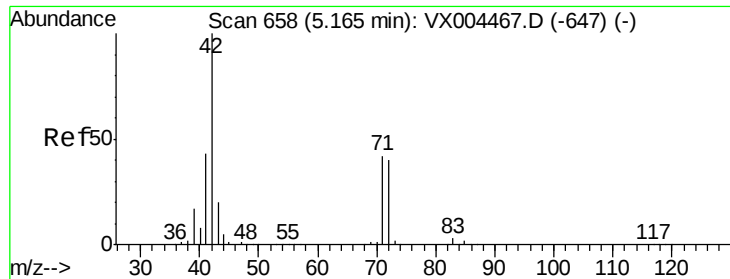


#28

Bromochloromethane
Concen: 21.04 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX004557.D
Acq: 15 Sep 2018 02:17

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.2
130	83.0	67.5	101.3





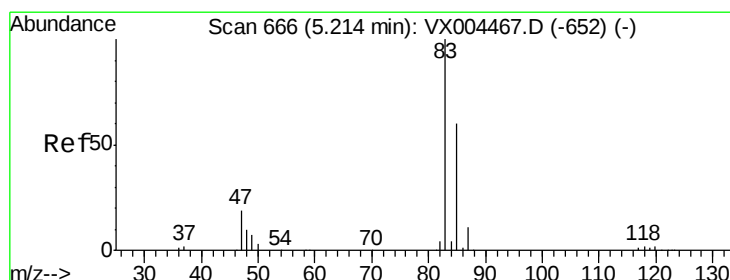
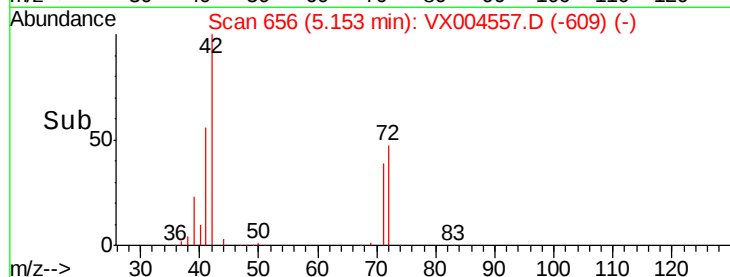
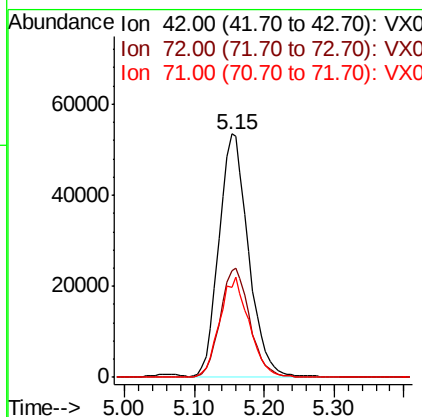
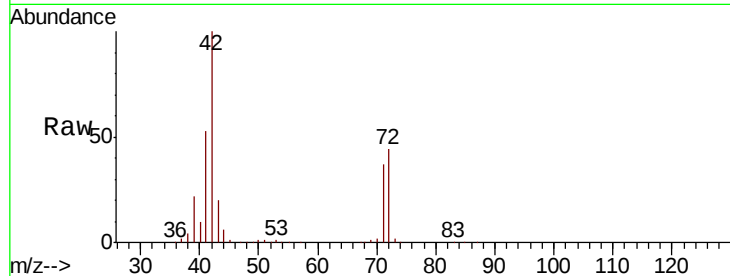
#29
Tetrahydrofuran
Concen: 95.12 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.01 min
Lab File: VX004557.D
Acq: 15 Sep 2018 02:17

Instrument :
MSVOA_X
ClientSampleId :
VX0914WBS03

Tot Ion:	42	Resp:	155977
Ion Ratio		Lower	Upper
42	100		
72	45.3	37.4	56.0
71	41.5	34.5	51.7

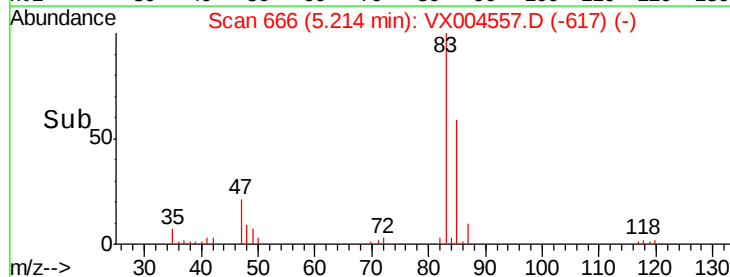
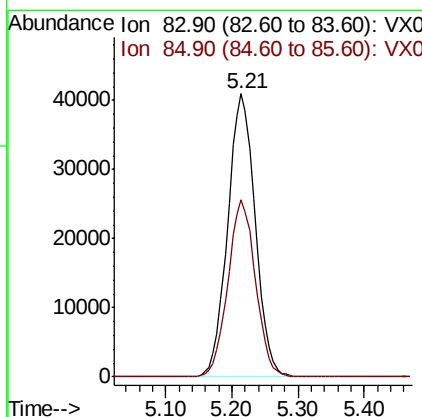
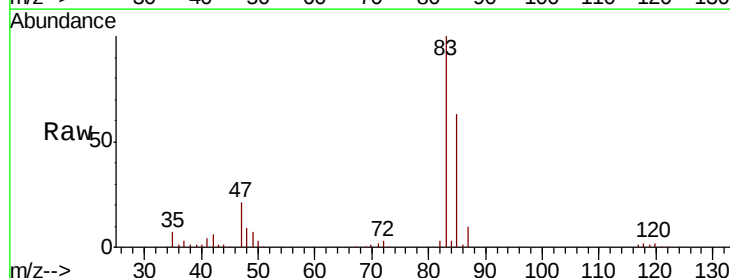
Manual Integrations
APPROVED

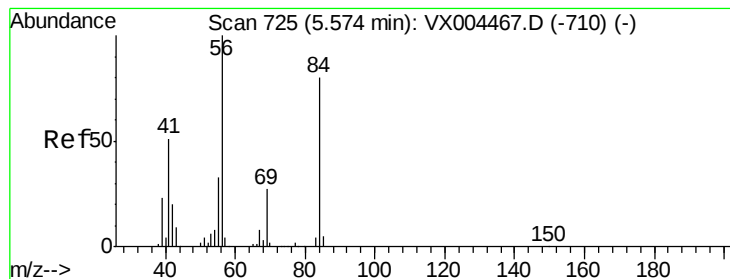
sam
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#30
Chloroform
Concen: 20.39 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX004557.D
Acq: 15 Sep 2018 02:17

Tgt Ion:	83	Resp:	118019
Ion Ratio		Lower	Upper
83	100		
85	62.7	52.6	79.0





#31

Cyclohexane

Concen: 19.50 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.00 min

Lab File: VX004557.D

Acq: 15 Sep 2018 02:17

Instrument :

MSVOA_X

ClientSampleId :

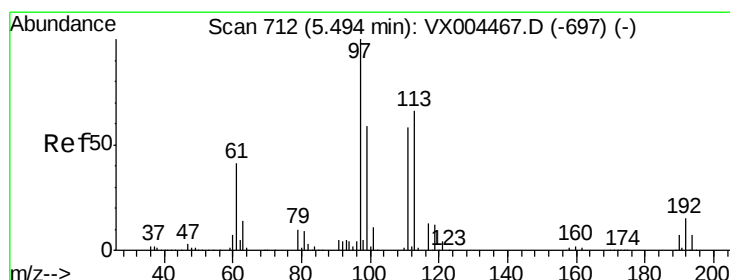
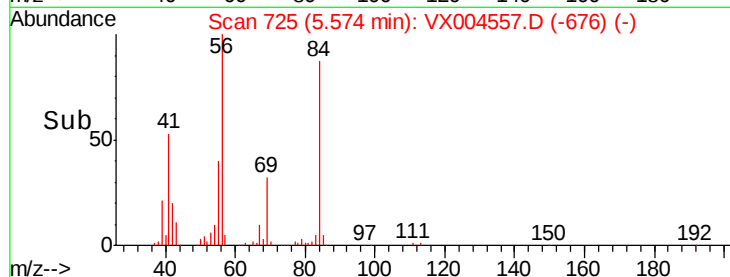
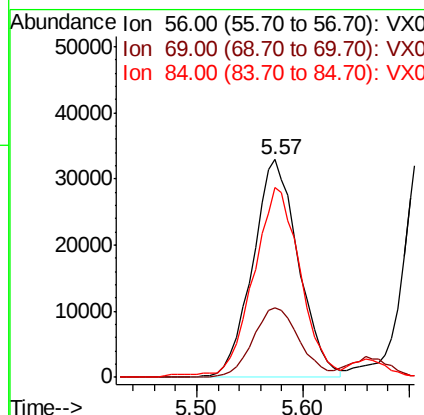
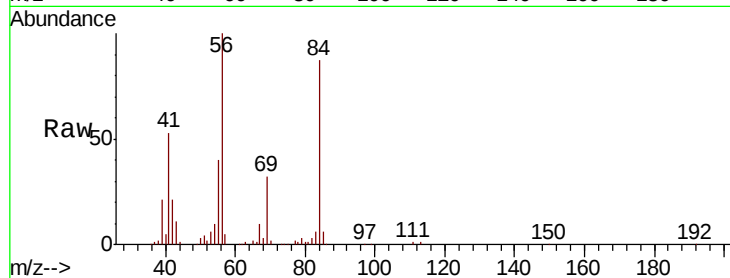
VX0914WBS03

Tot Ion:	56	Resp:	98718
Ion	Ratio	Lower	Upper
56	100		
69	31.9	25.4	38.2
84	85.7	71.4	107.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.11 ug/l

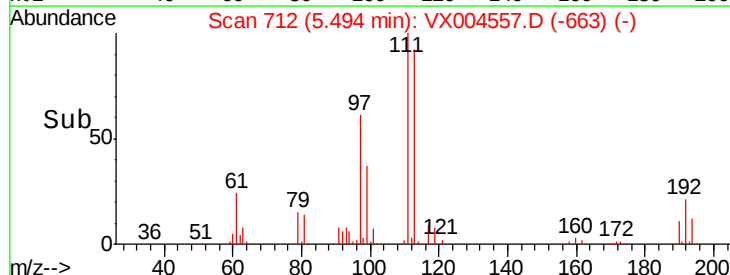
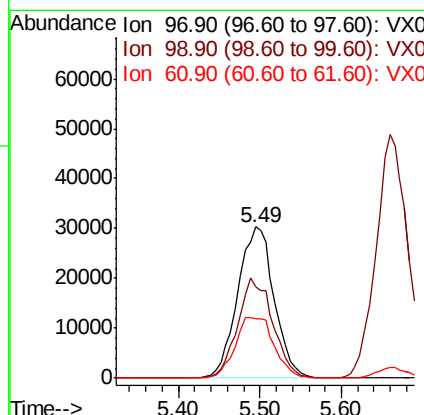
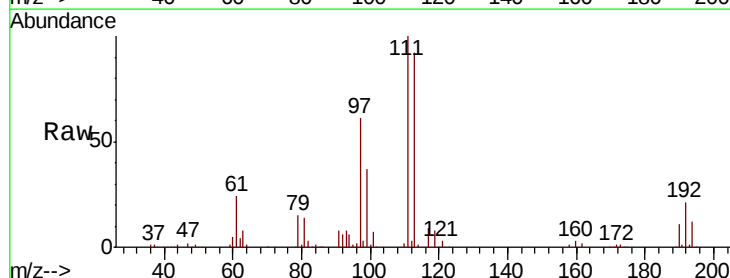
RT: 5.49 min Scan# 712

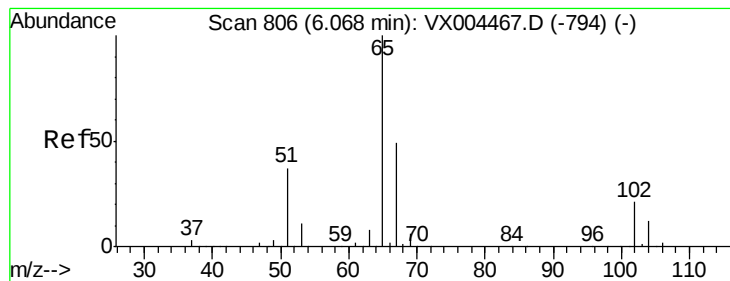
Delta R.T. -0.00 min

Lab File: VX004557.D

Acq: 15 Sep 2018 02:17

Tgt Ion:	97	Resp:	93760
Ion	Ratio	Lower	Upper
97	100		
99	64.2	52.0	78.0
61	43.0	34.9	52.3





#33

1,2-Dichloroethane-d4

Concen: 50.90 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX004557.D

Acq: 15 Sep 2018 02:17

Tot Ion: 65 Resp: 178170

Ion Ratio Lower Upper

65 100

67 54.4 0.0 106.8

Instrument :

MSVOA_X

ClientSampleId :

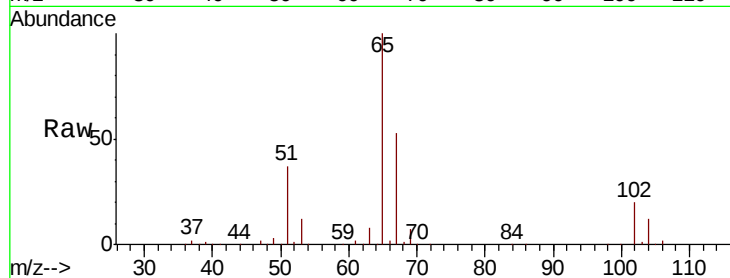
VX0914WBS03

Manual Integrations

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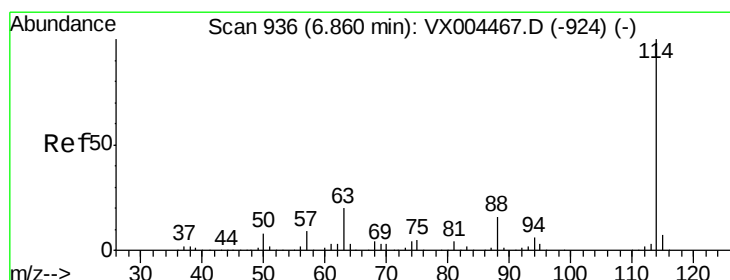
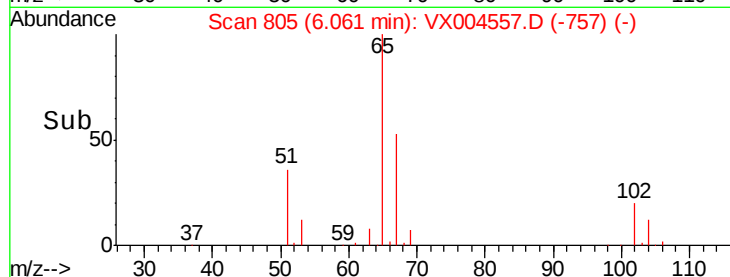
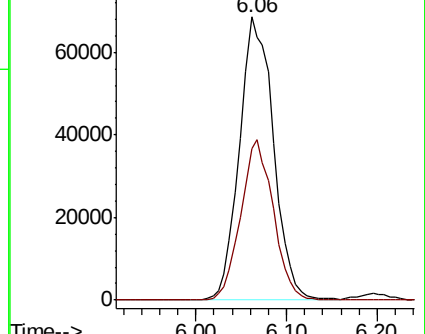
sam

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX004557.D

Acq: 15 Sep 2018 02:17

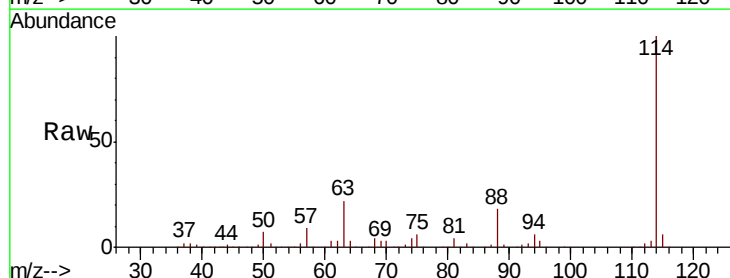
Tgt Ion:114 Resp: 333404

Ion Ratio Lower Upper

114 100

63 21.6 0.0 39.0

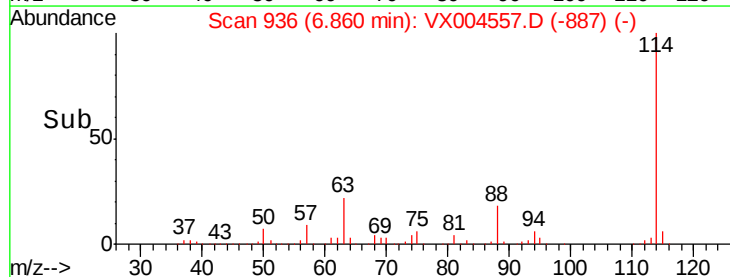
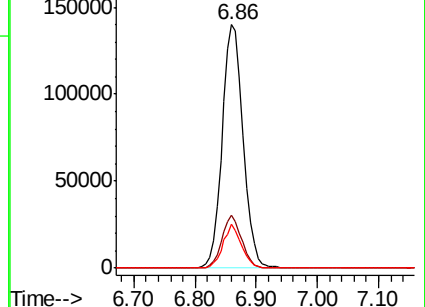
88 17.8 0.0 30.4

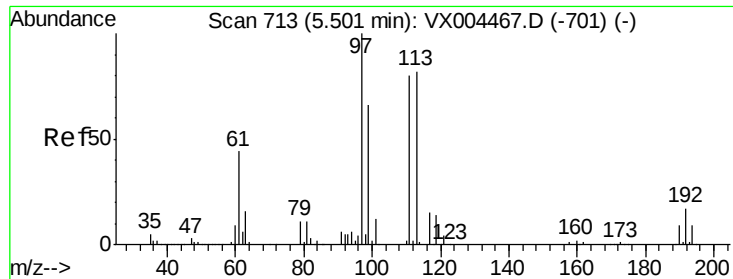


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





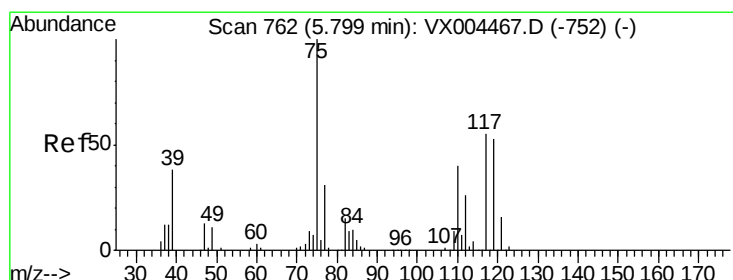
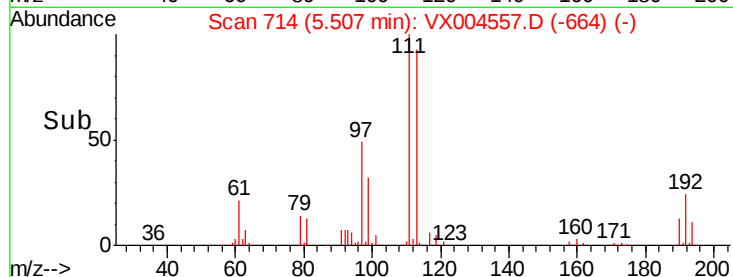
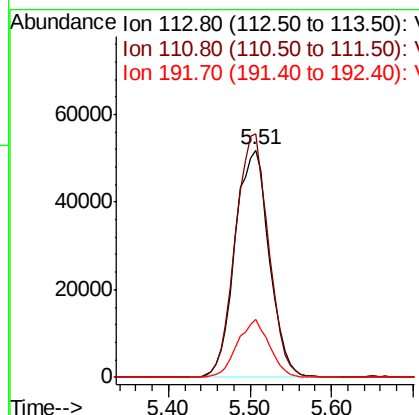
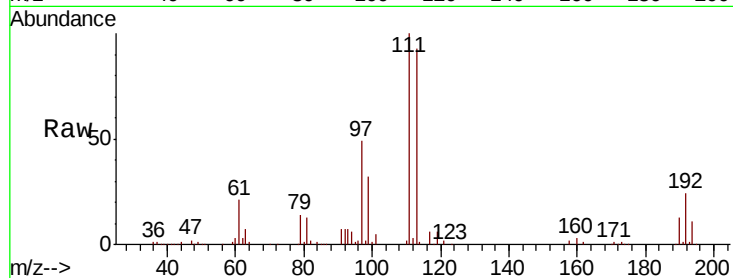
#35
 Dibromofluoromethane
 Concen: 49.40 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX004557.D
 Acq: 15 Sep 2018 02:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0914WBS03

Tot Ion	Ratio	Resp	Lower	Upper
113	100	150715		
111	104.2	82.4	123.6	
192	23.9	19.4	29.2	

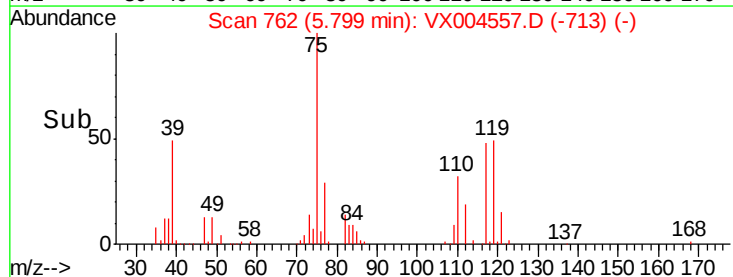
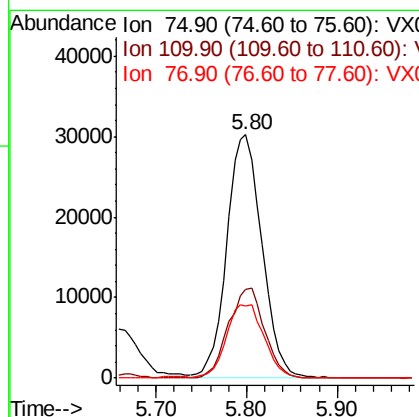
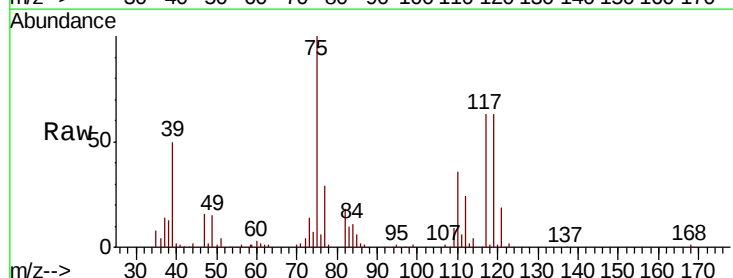
Manual Integrations
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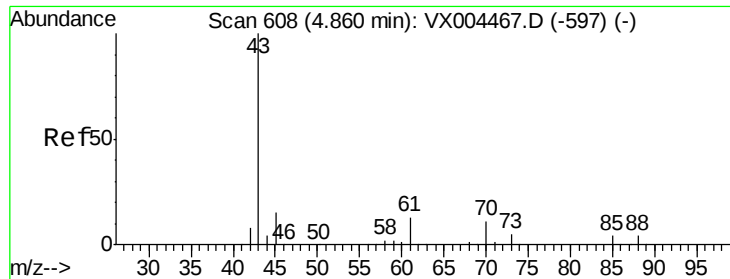
sam
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#36
 1,1-Dichloropropene
 Concen: 20.17 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX004557.D
 Acq: 15 Sep 2018 02:17

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	81647		
110	37.9	18.0	54.0	
77	32.0	24.6	36.8	





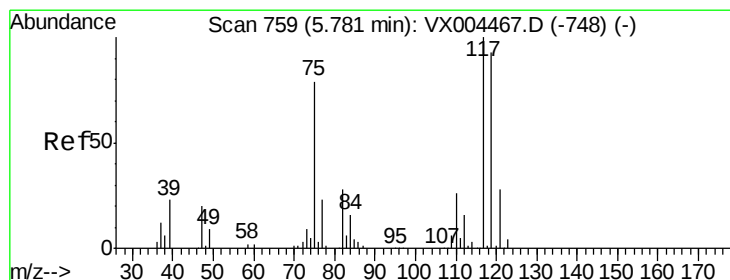
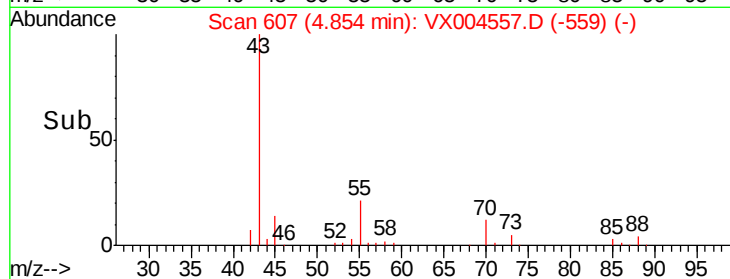
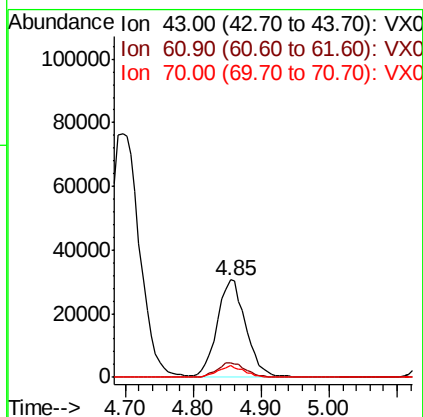
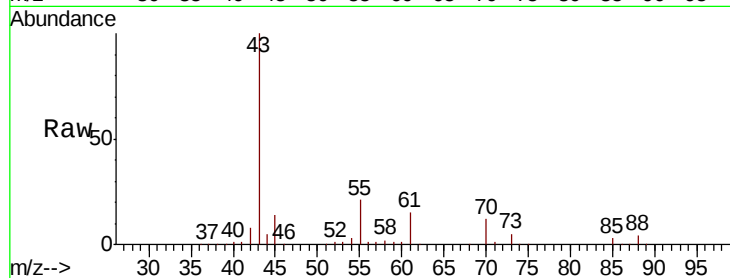
#37
Ethyl Acetate
Concen: 19.43 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.01 min
Lab File: VX004557.D
Acq: 15 Sep 2018 02:17

Instrument :
MSVOA_X
ClientSampled :
VX0914WBS03

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.5	17.3
70	11.0	9.0	13.6

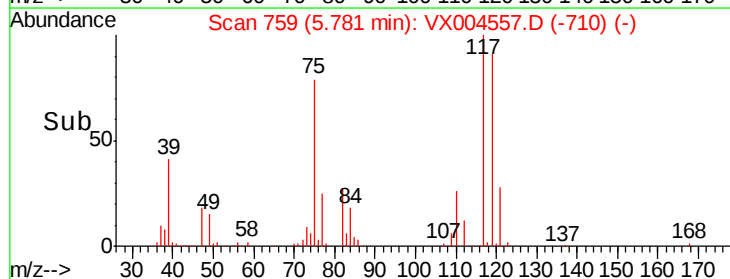
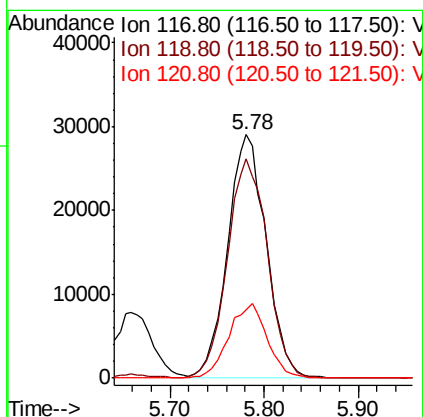
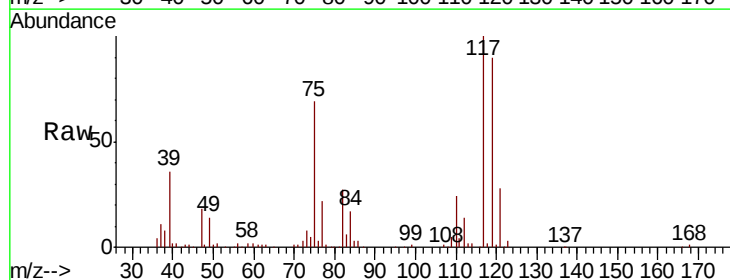
Manual Integrations
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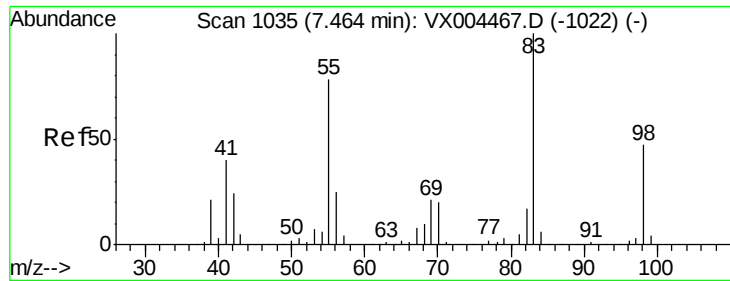
sam
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#38
Carbon Tetrachloride
Concen: 20.93 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX004557.D
Acq: 15 Sep 2018 02:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.1	78.8	118.2
121	28.1	24.9	37.3





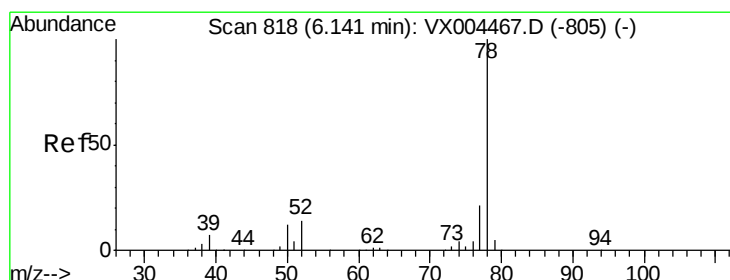
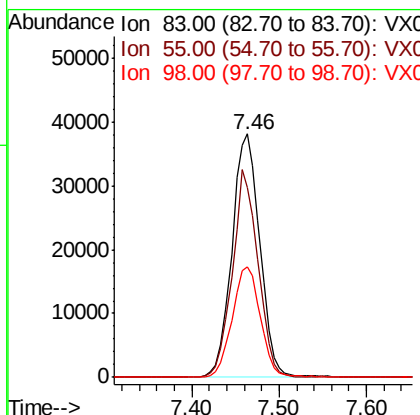
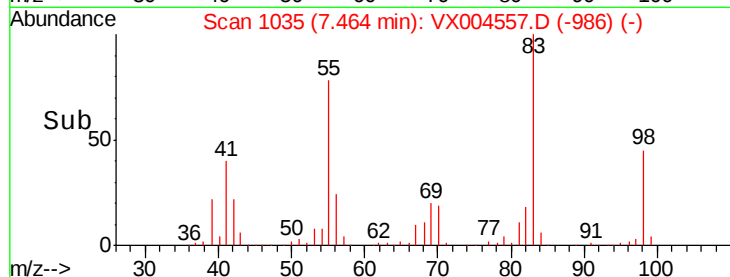
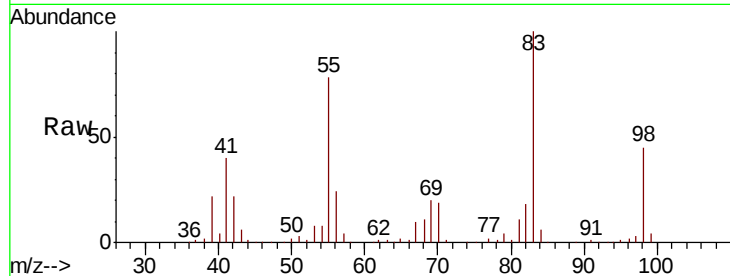
#39
Methvlcvclohexane
Concen: 20.00 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX004557.D
Acq: 15 Sep 2018 02:17

Instrument :
MSVOA_X
ClientSampleId :
VX0914WBS03

Tot Ion	83	Resp	84460
Ion Ratio	100	Lower	Upper
83	100		
55	77.9	61.0	91.4
98	45.3	39.6	59.4

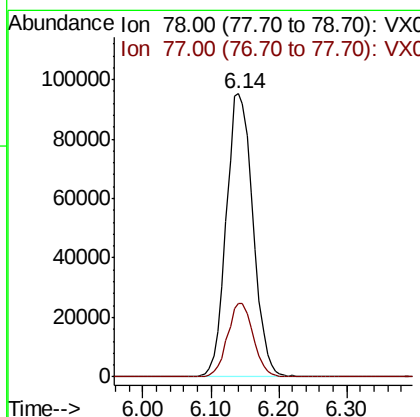
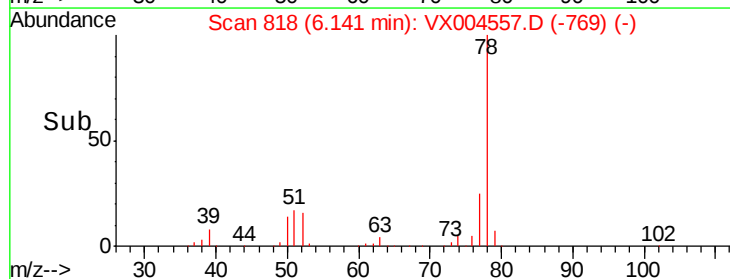
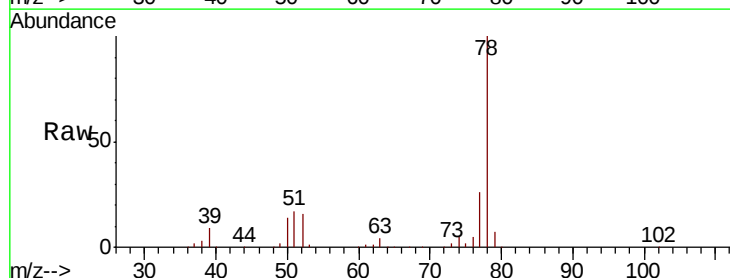
Manual Integrations
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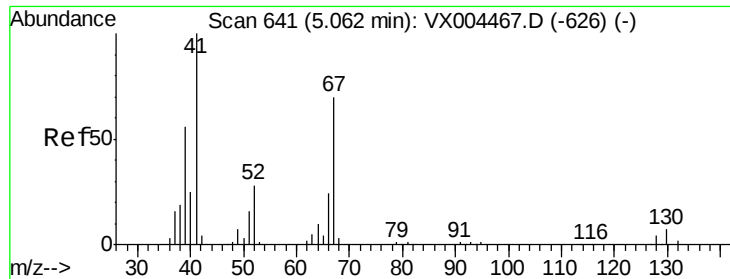
sam
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#40
Benzene
Concen: 21.59 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX004557.D
Acq: 15 Sep 2018 02:17

Tgt Ion	78	Resp	259280
Ion Ratio	100	Lower	Upper
78	100		
77	25.9	19.0	28.4





#41

Methacrylonitrile

Concen: 20.02 ug/l

RT: 5.06 min Scan# 641

Delta R.T. -0.00 min

Lab File: VX004557.D

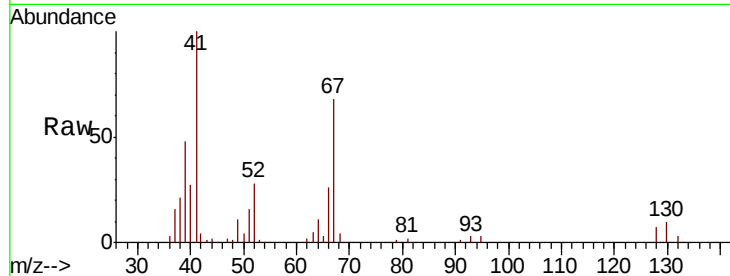
Acq: 15 Sep 2018 02:17

Tot Ion:	41	Resp:	50768
Ion	Ratio	Lower	Upper
41	100		
39	50.4	42.4	63.6
67	73.7	59.2	88.8
52	29.3	23.0	34.4

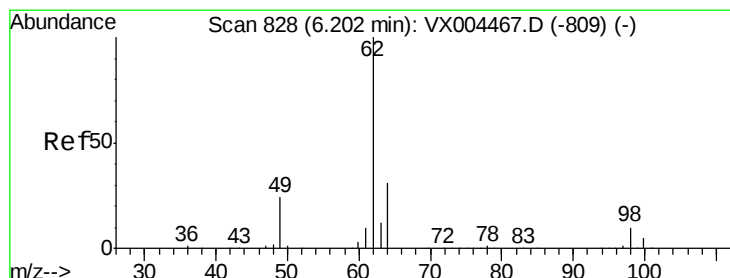
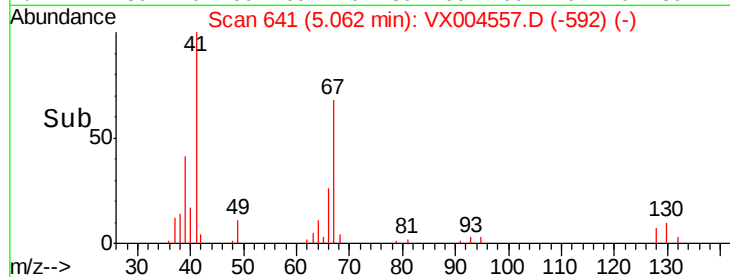
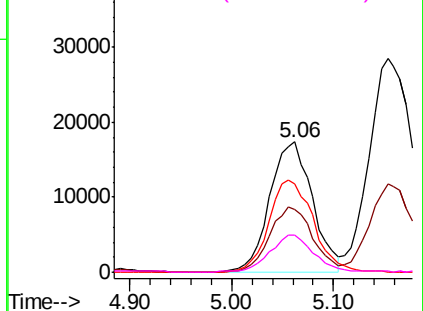
Instrument :
MSVOA_X
ClientSampleId :
VX0914WBS03

Manual Integrations
APPROVED

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Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 22.17 ug/l

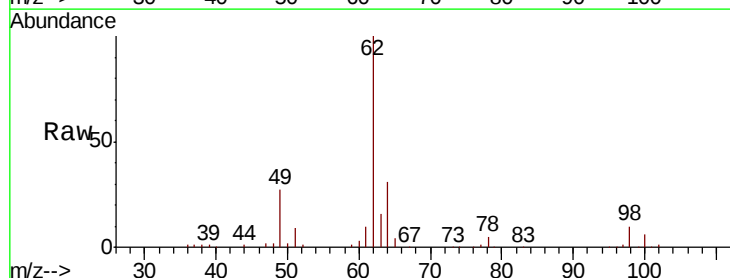
RT: 6.20 min Scan# 827

Delta R.T. -0.01 min

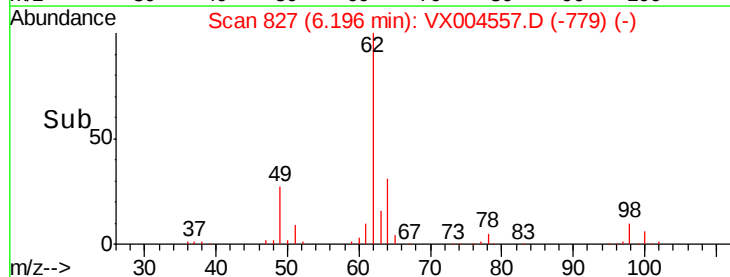
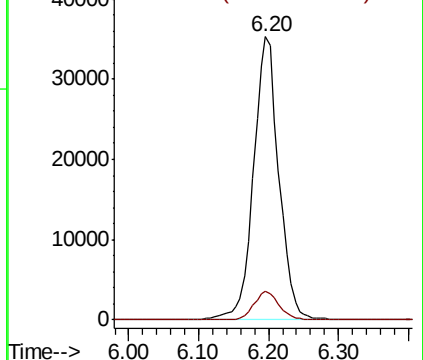
Lab File: VX004557.D

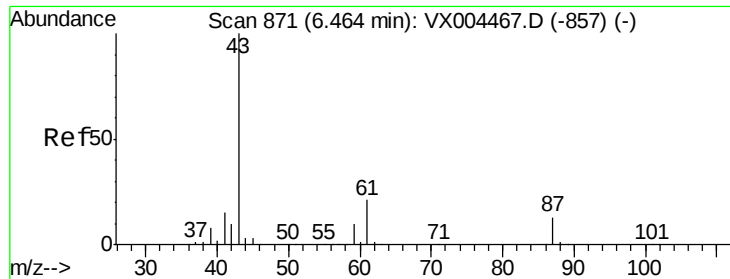
Acq: 15 Sep 2018 02:17

Tgt Ion:	62	Resp:	88303
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	20.6



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#43

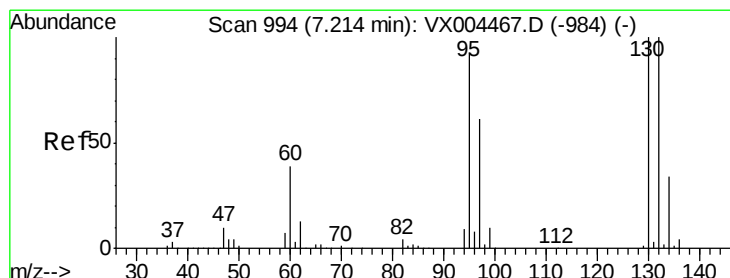
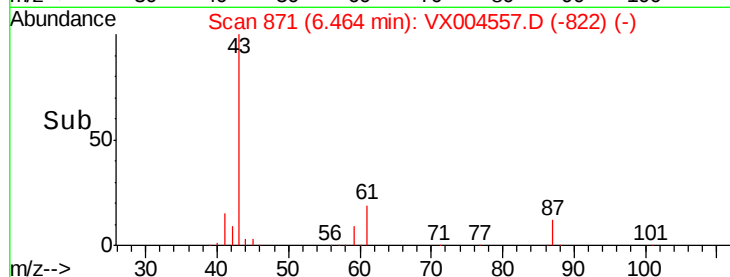
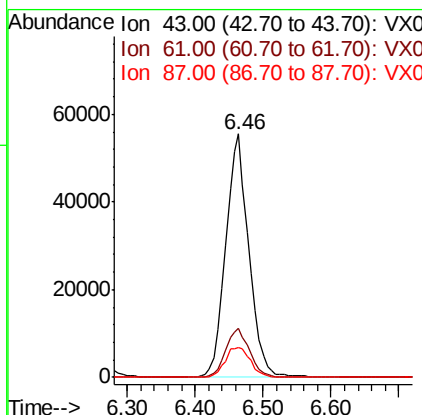
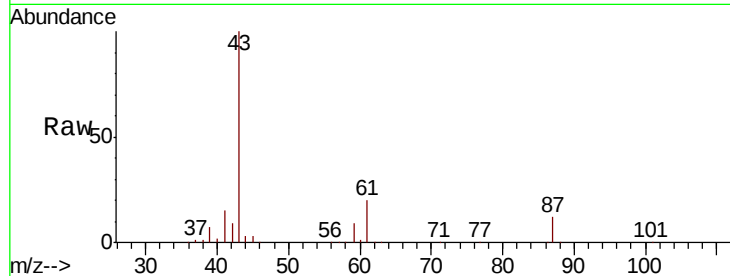
Isopropyl Acetate
 Concen: 21.24 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. -0.00 min
 Lab File: VX004557.D
 Acq: 15 Sep 2018 02:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0914WBS03

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.8	17.0	25.4
87	13.5	11.4	17.2

Manual Integrations
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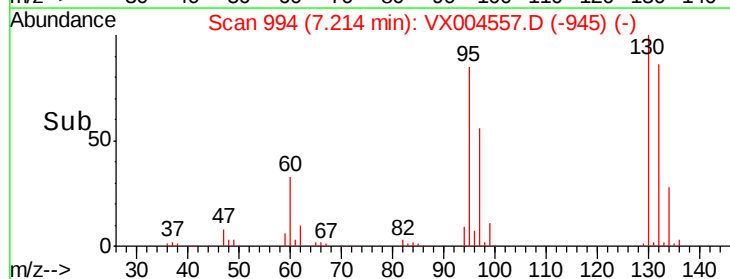
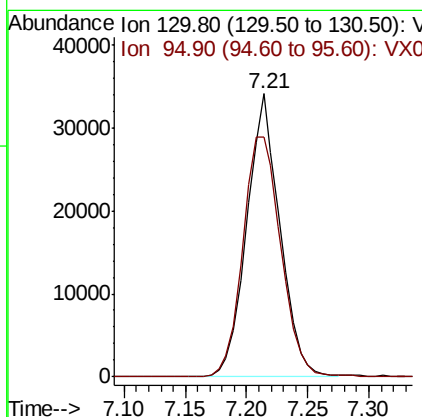
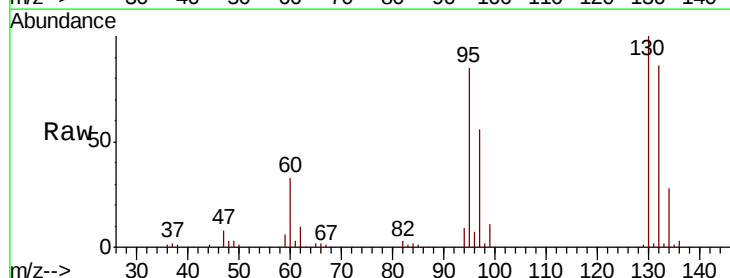
Sam
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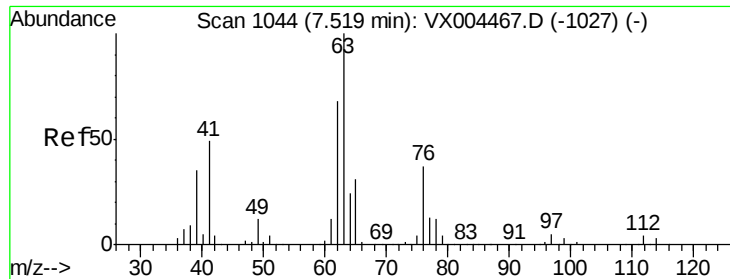


#44

Trichloroethene
 Concen: 20.65 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX004557.D
 Acq: 15 Sep 2018 02:17

Tgt Ion	Ratio	Lower	Upper
130	100		
95	84.7	0.0	181.6





#45

1,2-Dichloropropane

Concen: 21.10 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX004557.D

Acq: 15 Sep 2018 02:17

Instrument :

MSVOA_X

ClientSampleId :

VX0914WBS03

Tot Ion: 63 Resp: 60980

Ion Ratio Lower Upper

63 100

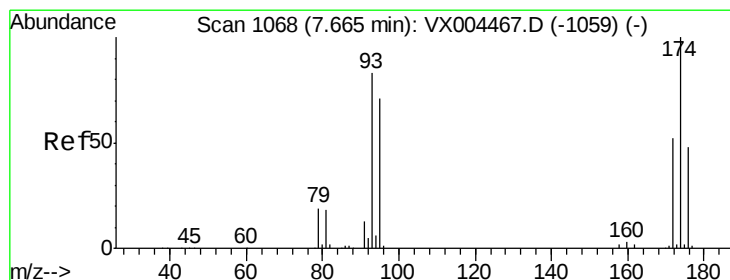
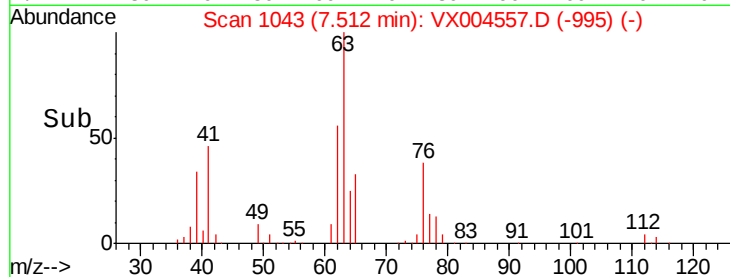
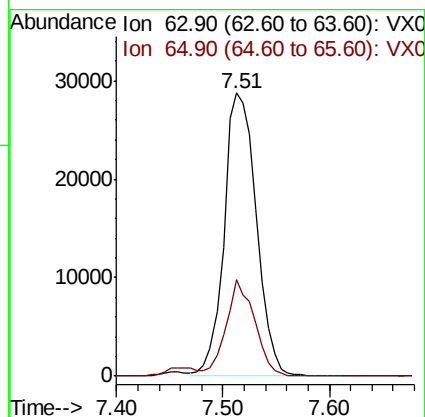
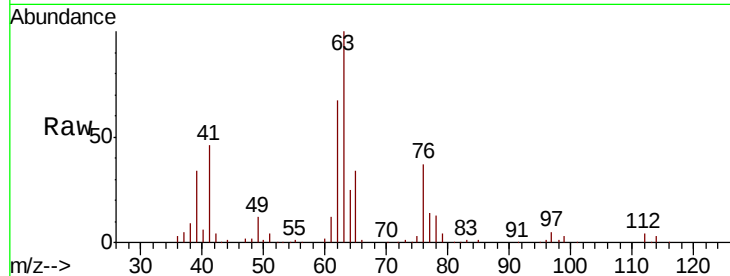
65 34.0 24.3 36.5

Manual Integrations

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#46

Dibromomethane

Concen: 20.06 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. -0.00 min

Lab File: VX004557.D

Acq: 15 Sep 2018 02:17

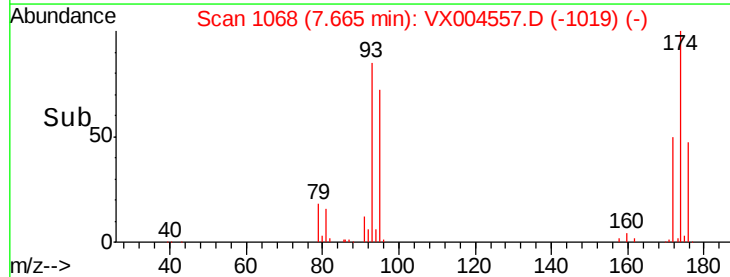
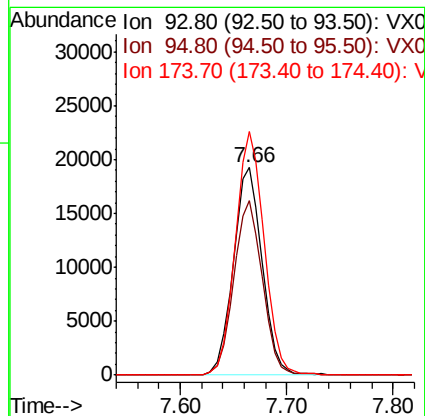
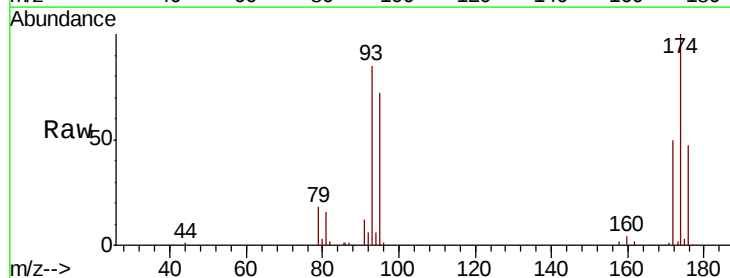
Tgt Ion: 93 Resp: 36630

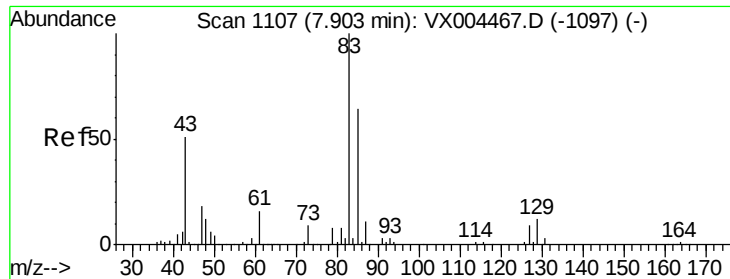
Ion Ratio Lower Upper

93 100

95 83.4 65.5 98.3

174 117.2 94.2 141.4





#47

Bromodichloromethane

Concen: 19.65 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VX004557.D

Acq: 15 Sep 2018 02:17

Instrument :

MSVOA_X

ClientSampleId :

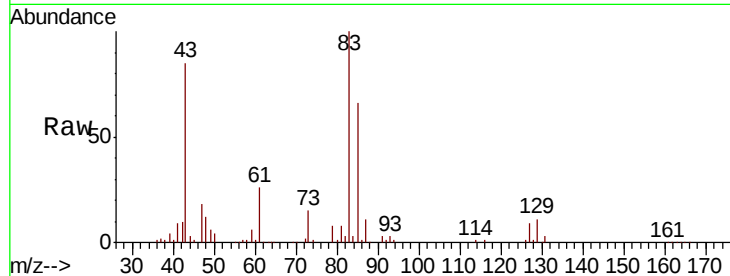
VX0914WBS03

Tot Ion:	83	Resp:	67854
Ion	Ratio	Lower	Upper
83	100		
85	66.0	50.9	76.3
127	9.1	7.3	10.9

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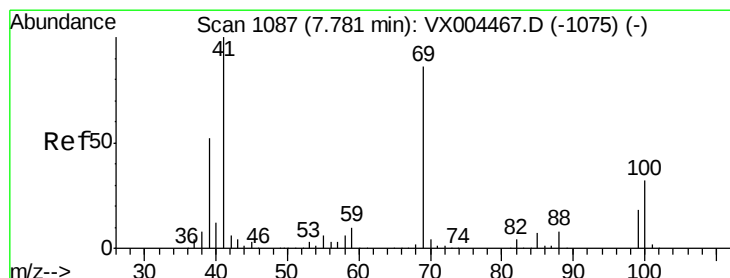
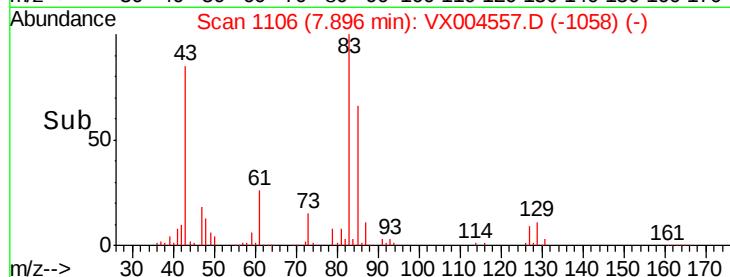
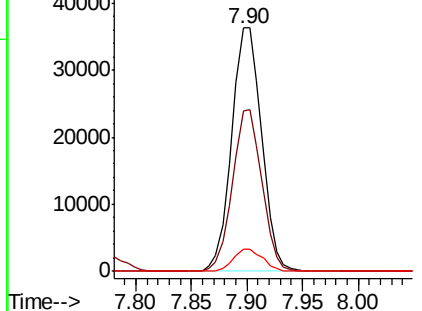


Abundance

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 19.48 ug/l

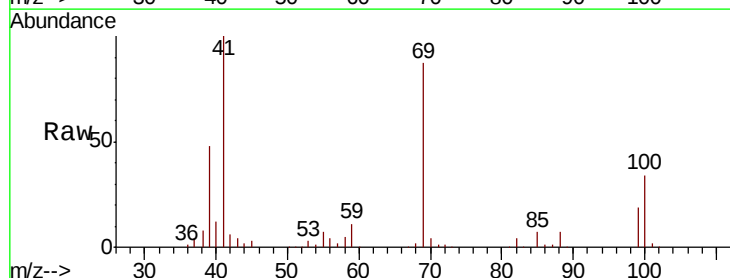
RT: 7.78 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VX004557.D

Acq: 15 Sep 2018 02:17

Tgt Ion:	41	Resp:	58933
Ion	Ratio	Lower	Upper
41	100		
69	86.7	70.2	105.4
39	51.0	42.7	64.1

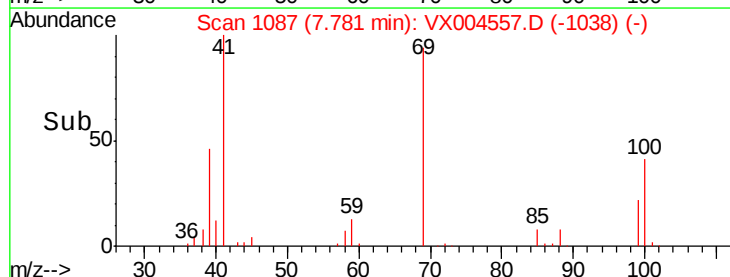
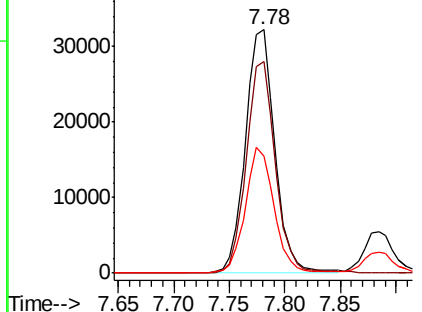


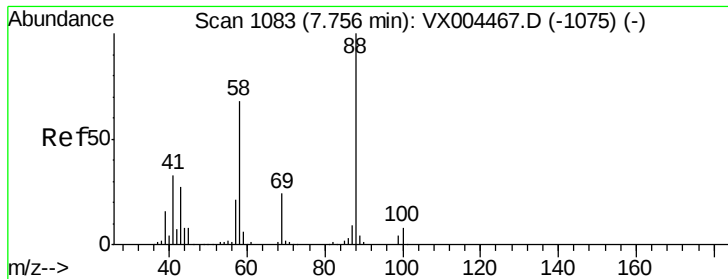
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 401.13 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. -0.01 min

Lab File: VX004557.D

Acq: 15 Sep 2018 02:17

Instrument :

MSVOA_X

ClientSampleId :

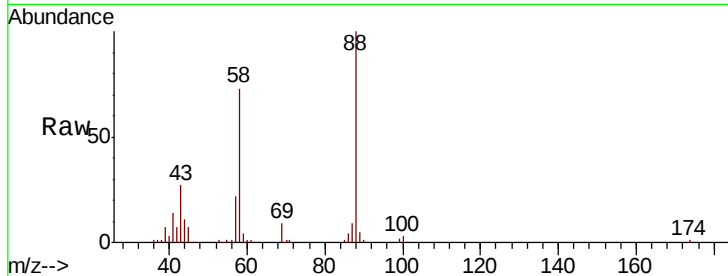
VX0914WBS03

Tot Ion:	88	Resp:	28729
Ion	Ratio	Lower	Upper
88	100		
43	32.0	24.7	37.1
58	72.9	55.3	82.9

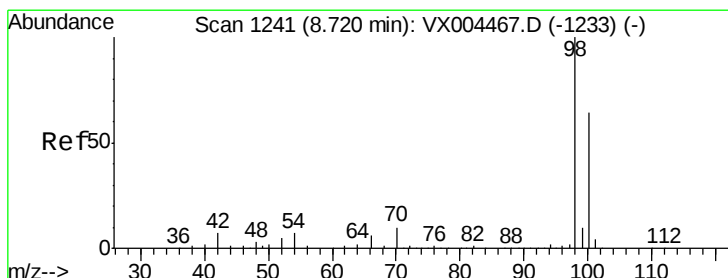
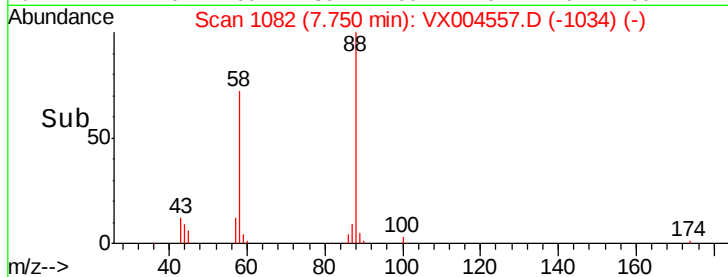
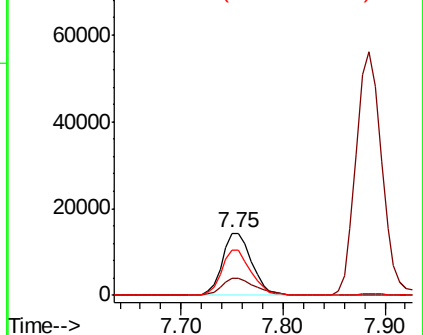
Manual Integrations
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Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 51.95 ug/l

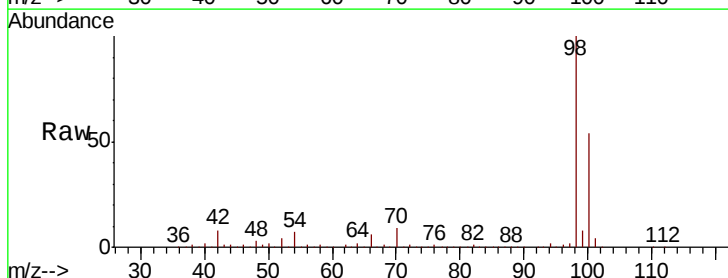
RT: 8.72 min Scan# 1241

Delta R.T. -0.00 min

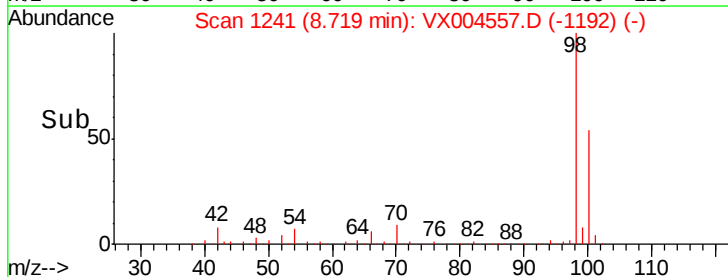
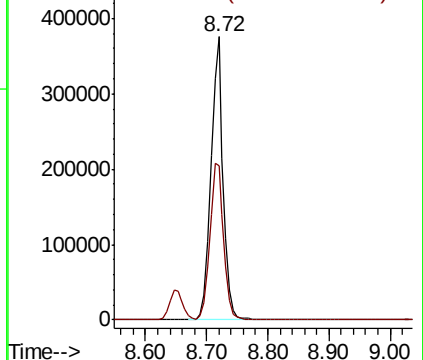
Lab File: VX004557.D

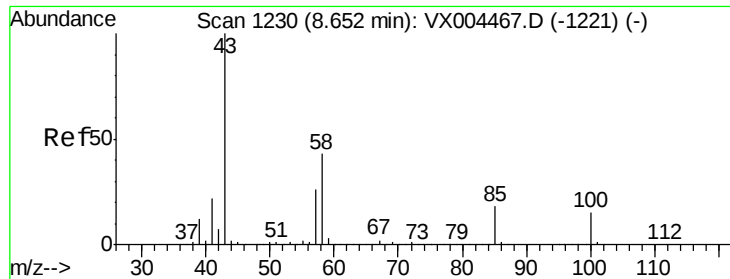
Acq: 15 Sep 2018 02:17

Tgt Ion:	98	Resp:	531534
Ion	Ratio	Lower	Upper
98	100		
100	62.6	52.9	79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





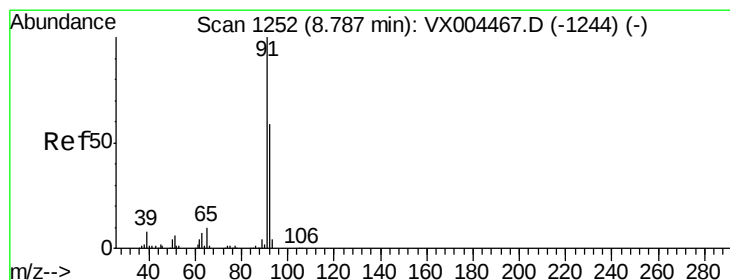
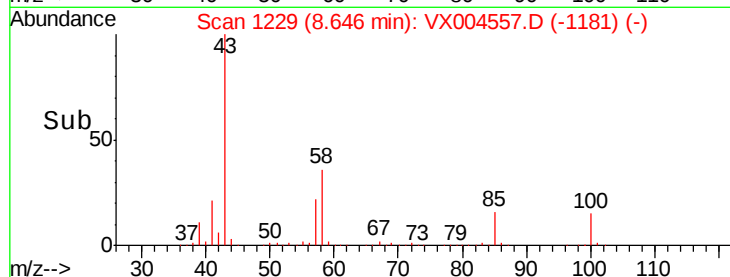
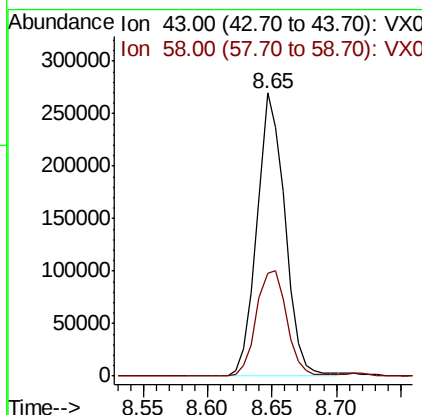
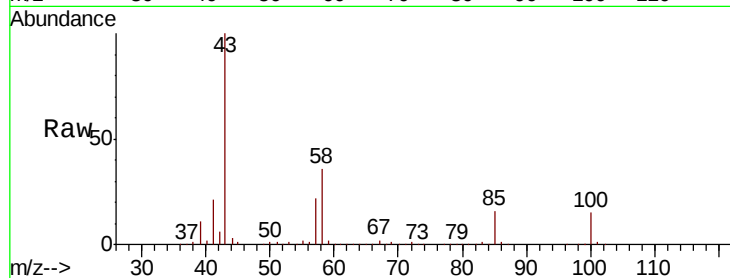
#51
4-Methyl-2-Pentanone
Concen: 93.19 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. -0.01 min
Lab File: VX004557.D
Acq: 15 Sep 2018 02:17

Instrument :
MSVOA_X
ClientSampled :
VX0914WBS03

Tot Ion	43	58	Ratio	Lower	Upper
43	100				
58	40.6		33.1	49.7	

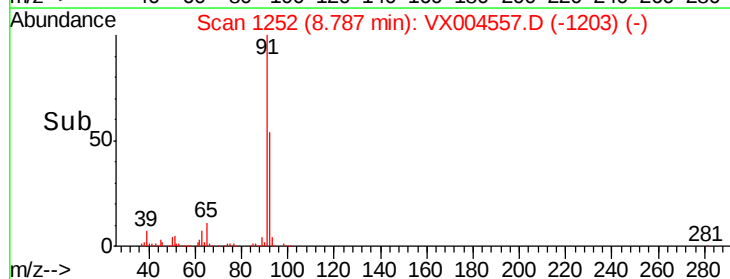
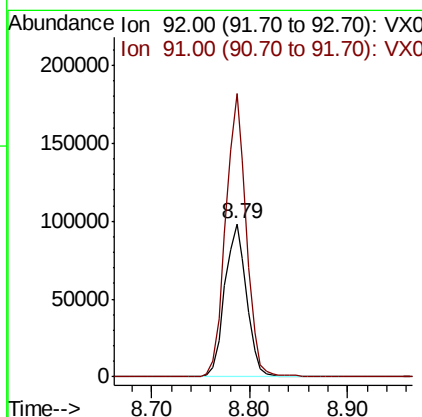
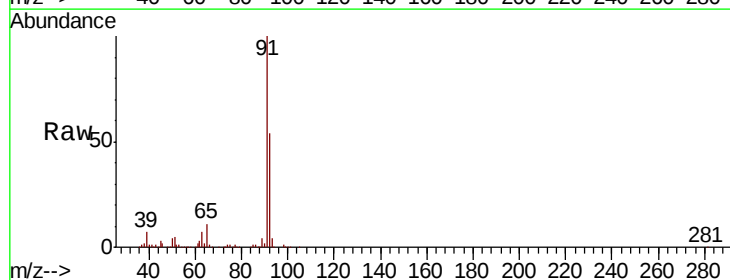
Manual Integrations
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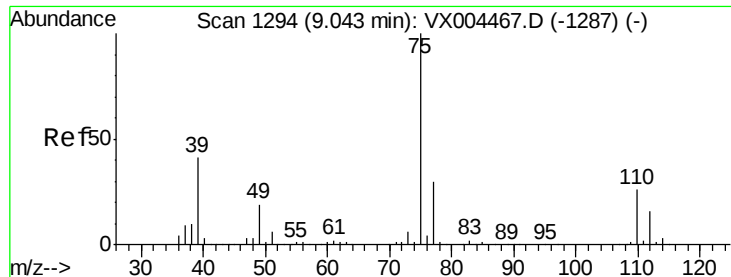
sam
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#52
Toluene
Concen: 21.52 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX004557.D
Acq: 15 Sep 2018 02:17

Tgt Ion	92	91	Ratio	Lower	Upper
92	100				
91	175.4		136.4	204.6	





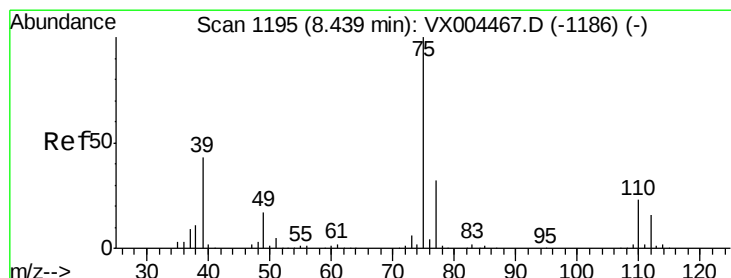
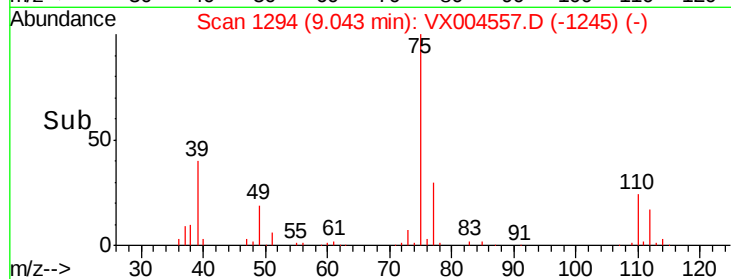
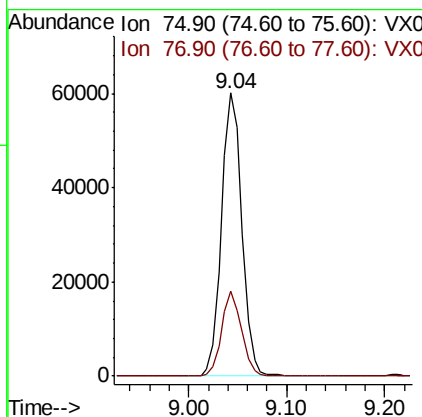
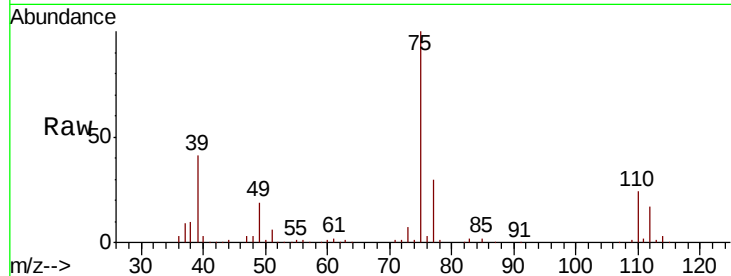
#53
 t-1,3-Dichloropropene
 Concen: 21.60 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. -0.00 min
 Lab File: VX004557.D
 Acq: 15 Sep 2018 02:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0914WBS03

Tot Ion: 75 Resp: 87100
 Ion Ratio Lower Upper
 75 100
 77 30.1 24.6 37.0

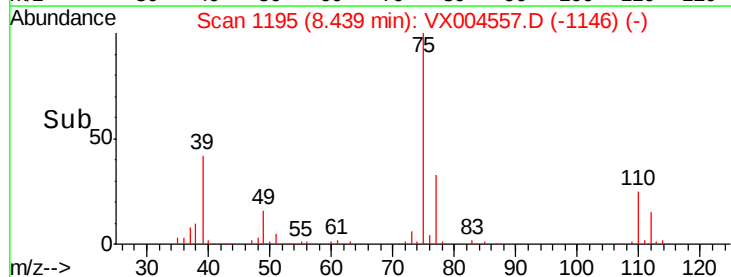
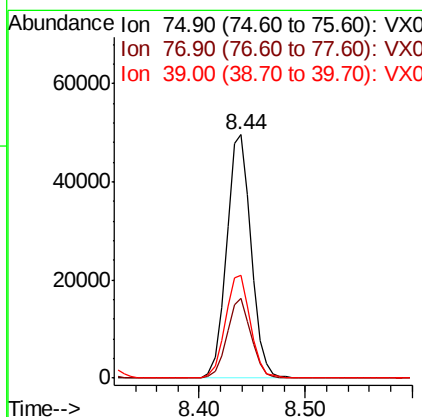
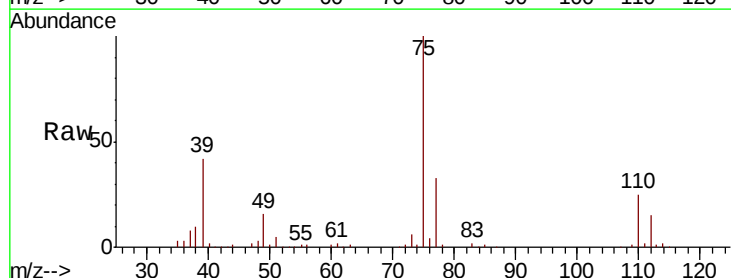
Manual Integrations
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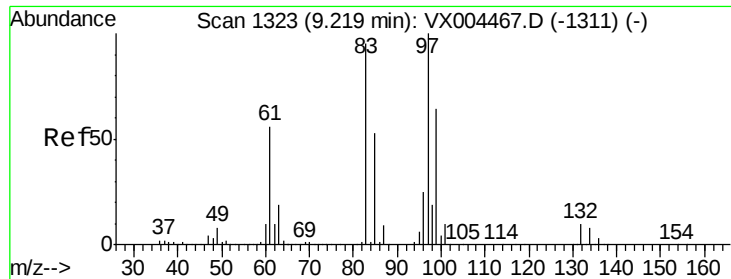
sam
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#54
 cis-1,3-Dichloropropene
 Concen: 19.41 ug/l
 RT: 8.44 min Scan# 1195
 Delta R.T. -0.00 min
 Lab File: VX004557.D
 Acq: 15 Sep 2018 02:17

Tgt Ion: 75 Resp: 79815
 Ion Ratio Lower Upper
 75 100
 77 32.5 26.2 39.2
 39 42.2 36.4 54.6





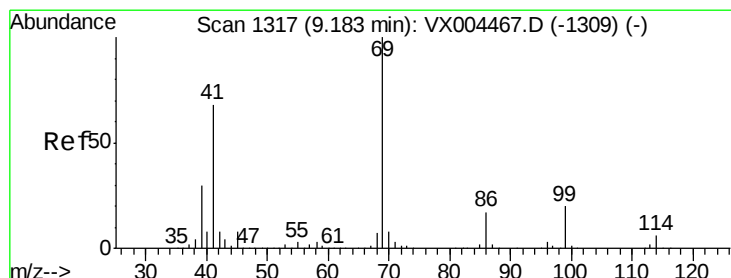
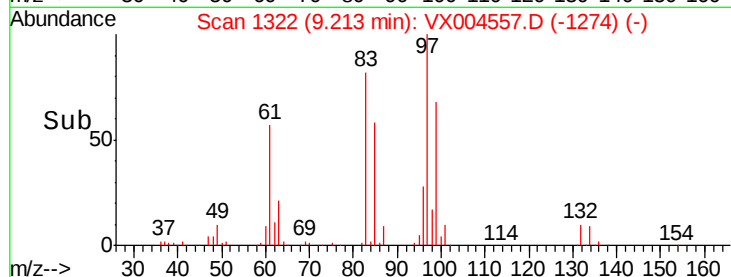
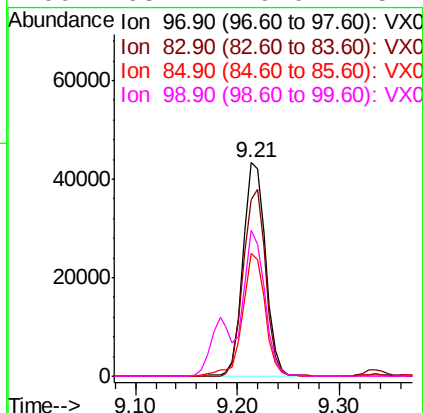
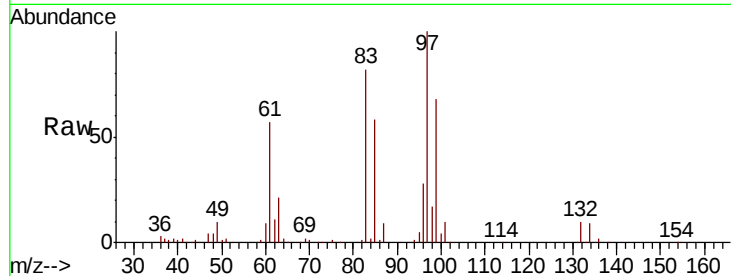
#55
 1,1,2-Trichloroethane
 Concen: 21.85 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: VX004557.D
 Acq: 15 Sep 2018 02:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0914WBS03

Tot Ion:	97	Resp:	66566
Ion	Ratio	Lower	Upper
97	100		
83	82.5	66.4	99.6
85	57.8	43.3	64.9
99	68.1	49.0	73.4

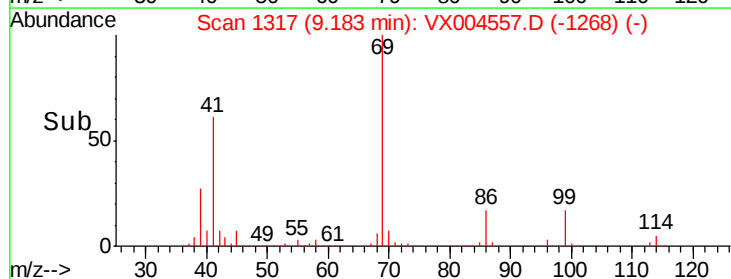
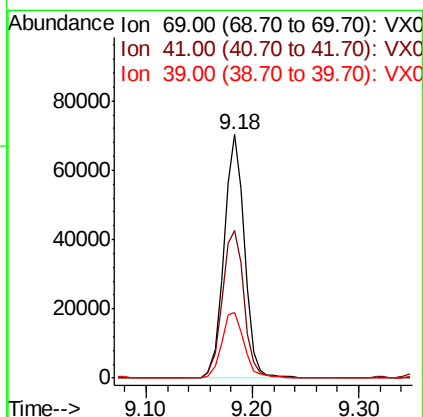
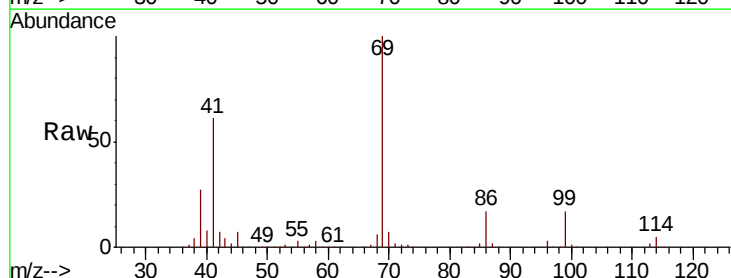
Manual Integrations
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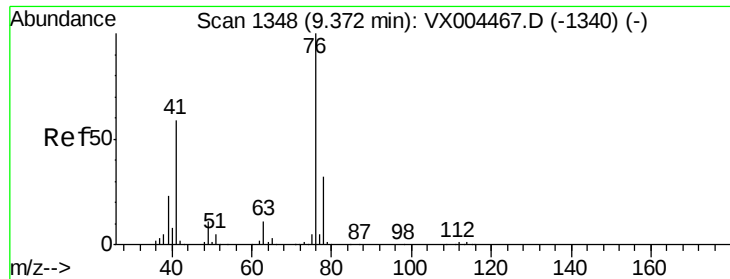
sam
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#56
 Ethyl methacrylate
 Concen: 22.04 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX004557.D
 Acq: 15 Sep 2018 02:17

Tgt Ion:	69	Resp:	94992
Ion	Ratio	Lower	Upper
69	100		
41	64.0	51.0	76.4
39	29.0	26.1	39.1





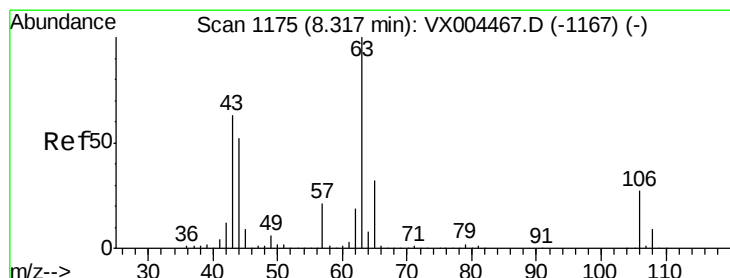
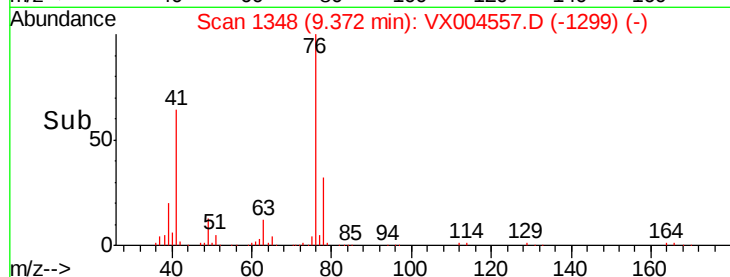
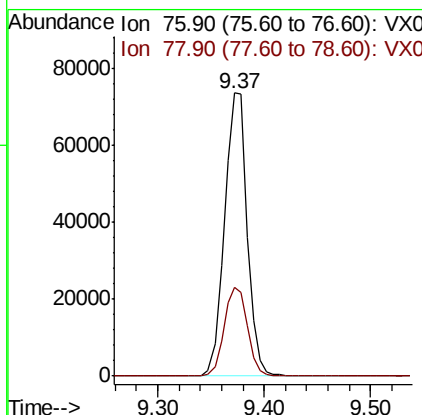
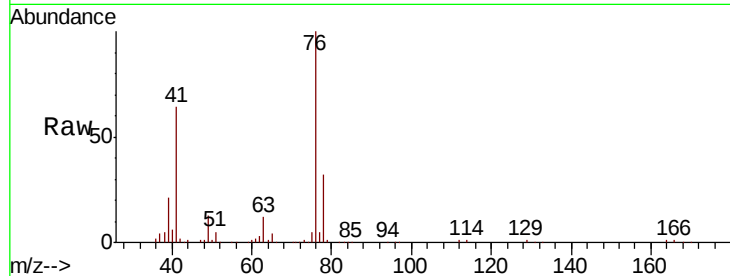
#57
 1,3-Dichloropropane
 Concen: 22.12 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX004557.D
 Acq: 15 Sep 2018 02:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0914WBS03

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.5	38.3

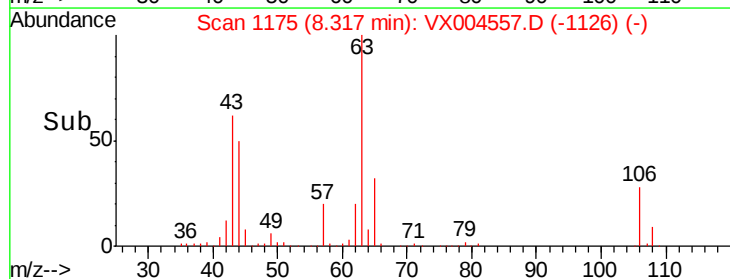
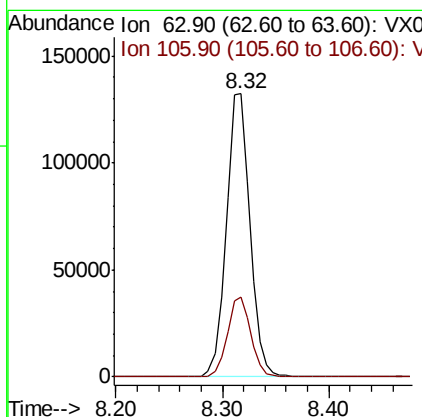
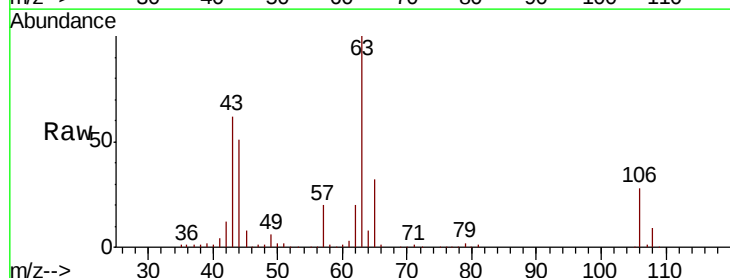
Manual Integrations
 APPROVED

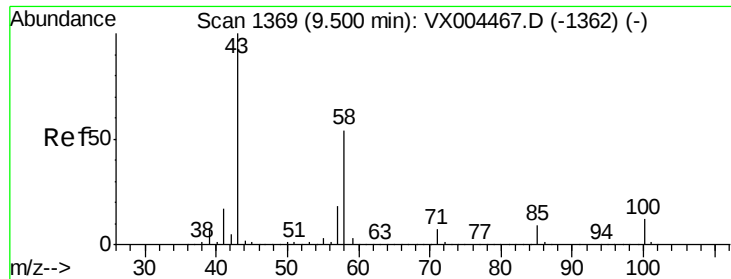
sam
 9/17/2018 6:17:39 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 98.26 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: VX004557.D
 Acq: 15 Sep 2018 02:17

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.9	23.9	35.9





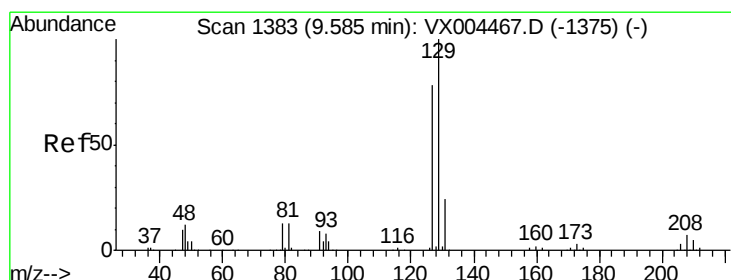
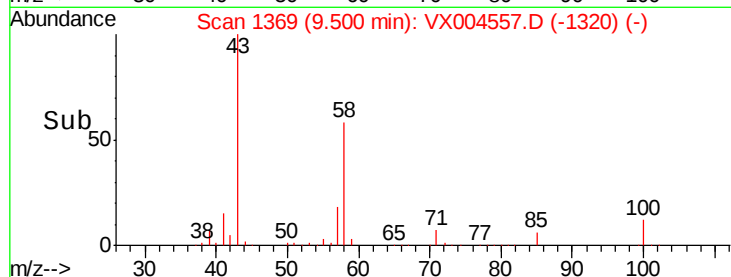
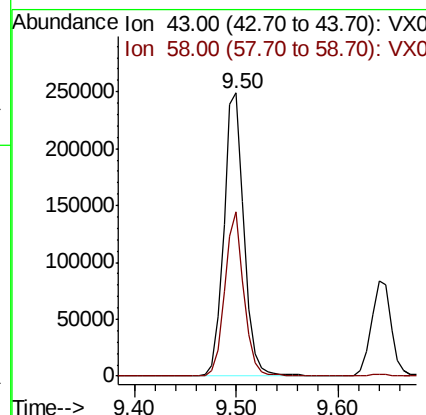
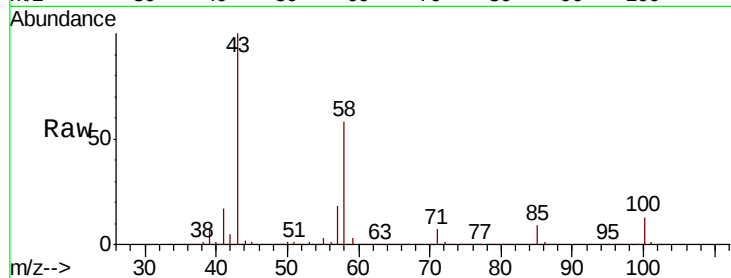
#59
2-Hexanone
Concen: 103.61 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VX004557.D
Acq: 15 Sep 2018 02:17

Instrument :
MSVOA_X
ClientSampleId :
VX0914WBS03

Tot Ion: 43 Resp: 342914
Ion Ratio Lower Upper
43 100
58 54.6 29.0 87.0

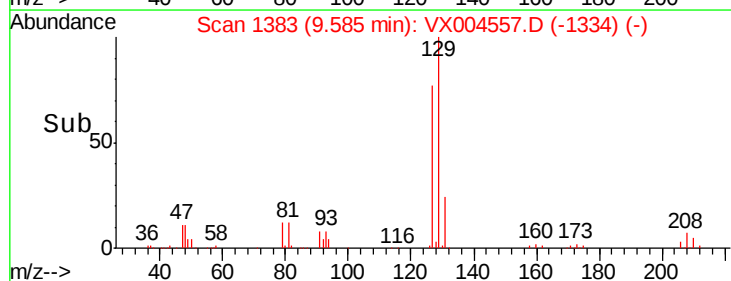
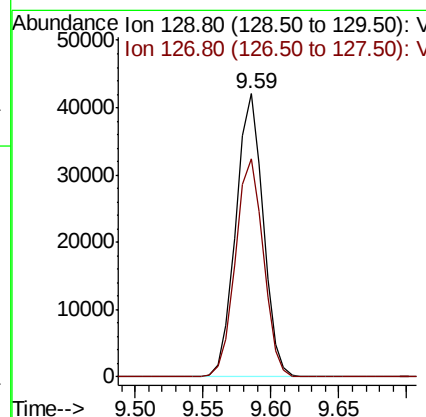
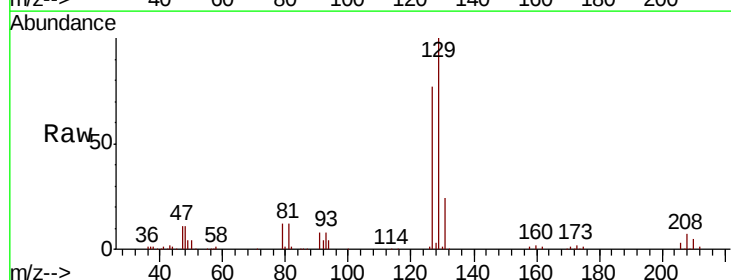
Manual Integrations
APPROVED

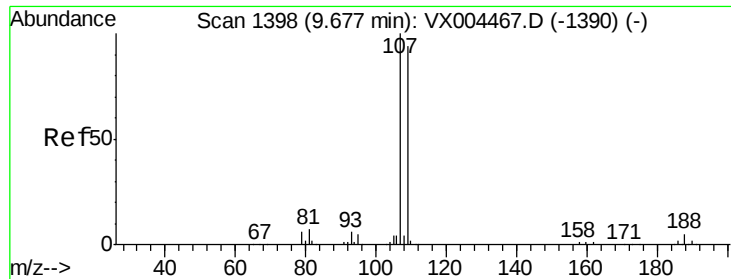
sam
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#60
Dibromochloromethane
Concen: 20.61 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX004557.D
Acq: 15 Sep 2018 02:17

Tgt Ion: 129 Resp: 59108
Ion Ratio Lower Upper
129 100
127 78.4 38.5 115.5





#61

1,2-Dibromoethane

Concen: 22.37 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.01 min

Lab File: VX004557.D

Acq: 15 Sep 2018 02:17

Instrument :

MSVOA_X

ClientSampleId :

VX0914WBS03

Tot Ion: 107 Resp: 65119

Ion Ratio Lower Upper

107 100

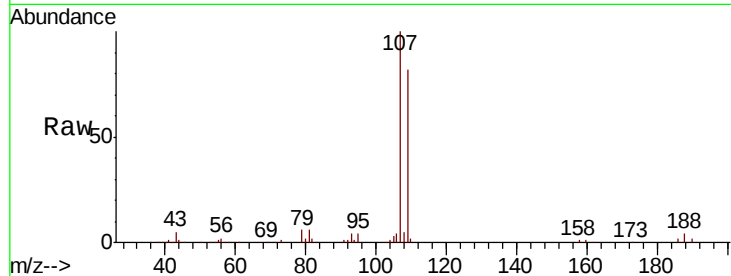
109 89.3 76.0 114.0

Manual Integrations

APPROVED

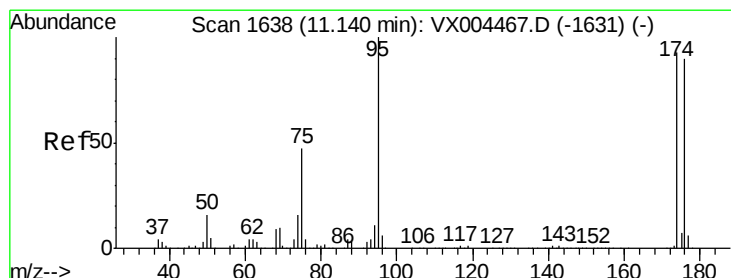
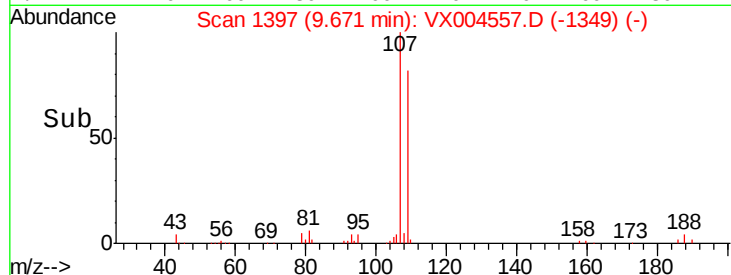
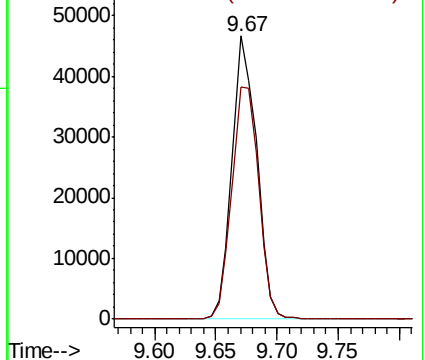
sam

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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: 49.14 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX004557.D

Acq: 15 Sep 2018 02:17

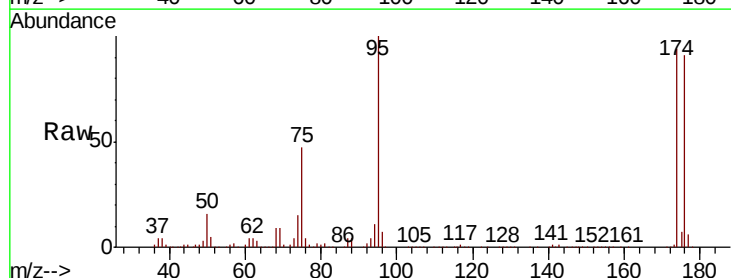
Tgt Ion: 95 Resp: 179470

Ion Ratio Lower Upper

95 100

174 92.5 0.0 185.2

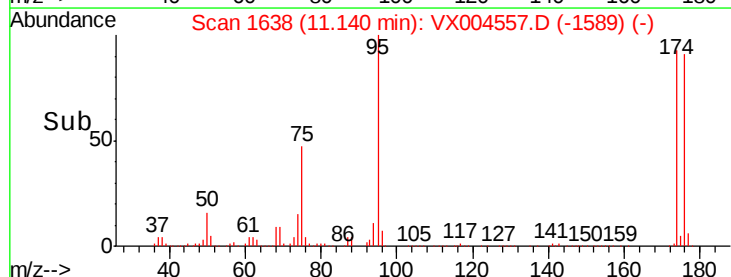
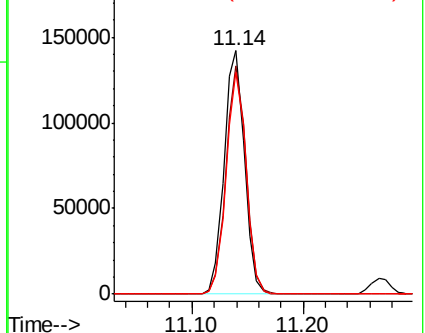
176 89.6 0.0 178.6

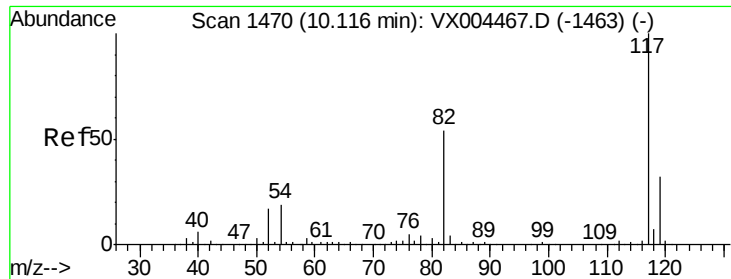


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





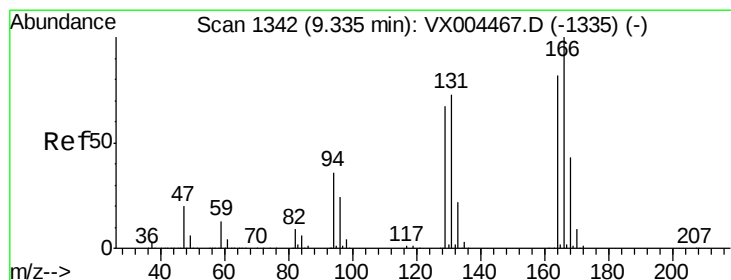
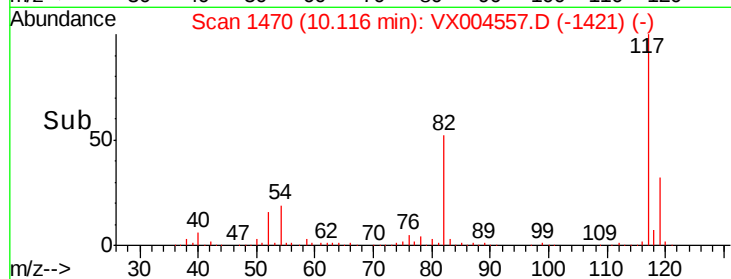
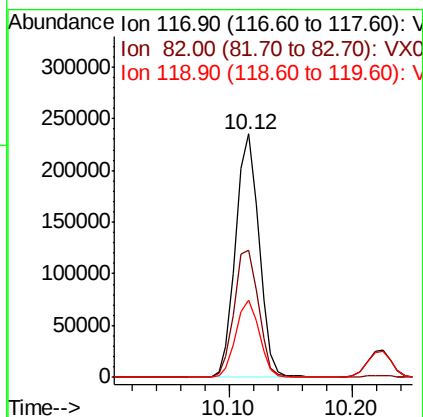
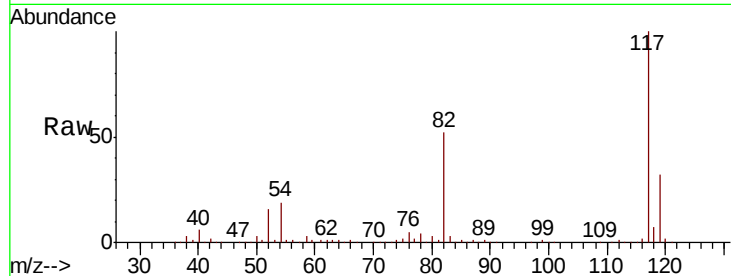
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004557.D
Acq: 15 Sep 2018 02:17

Instrument :
MSVOA_X
ClientSampleId :
VX0914WBS03

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.2	47.8	71.6
119	31.9	29.3	43.9

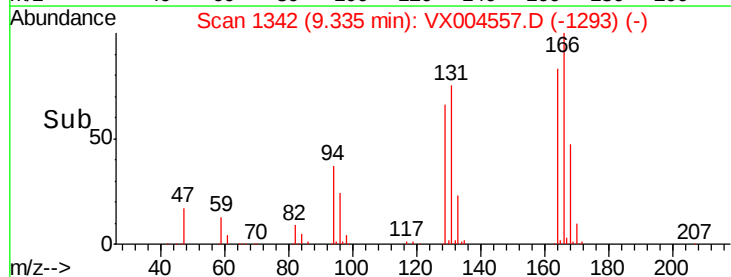
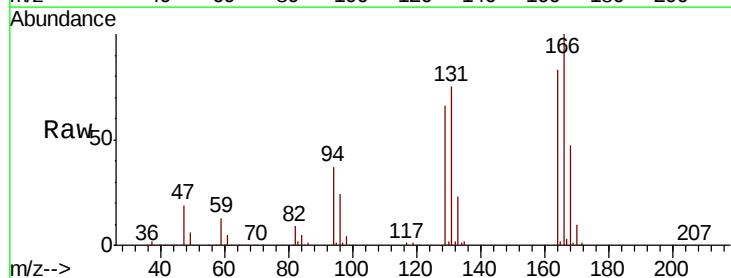
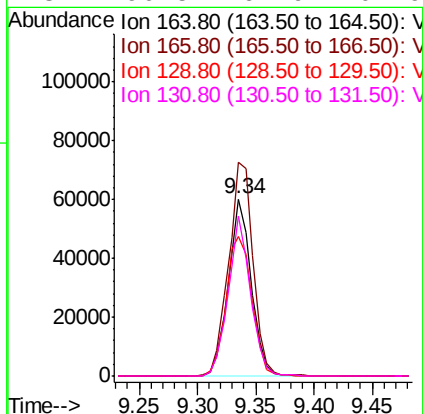
Manual Integrations
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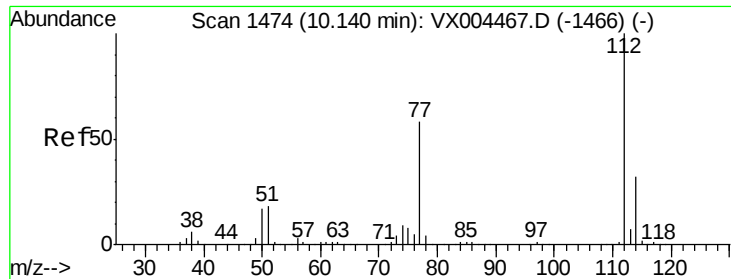
sam
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#64
Tetrachloroethene
Concen: 21.10 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX004557.D
Acq: 15 Sep 2018 02:17

Tgt Ion	Ratio	Lower	Upper
164	100		
166	120.6	102.8	154.2
129	79.2	69.4	104.0
131	90.5	67.9	101.9





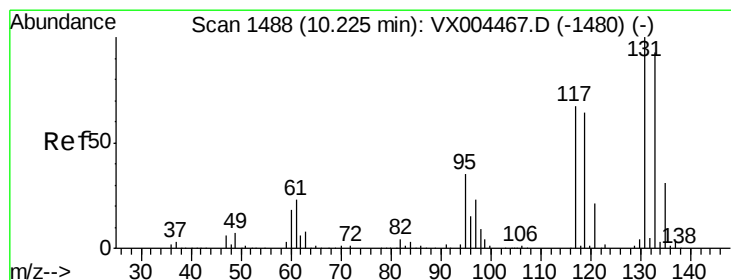
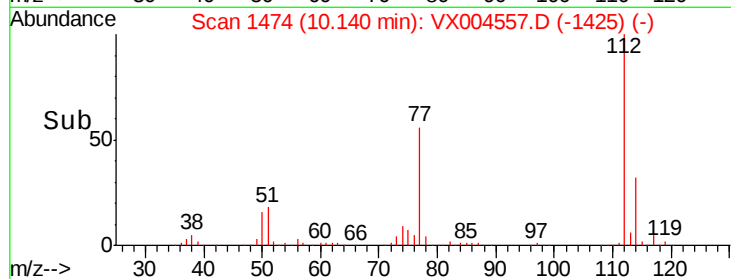
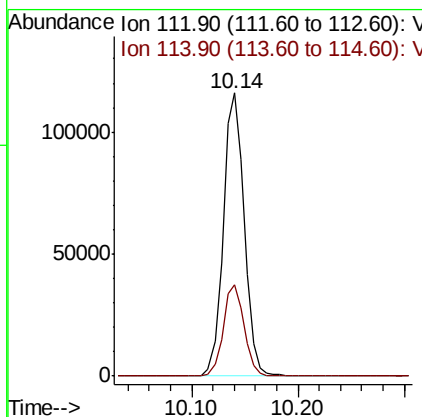
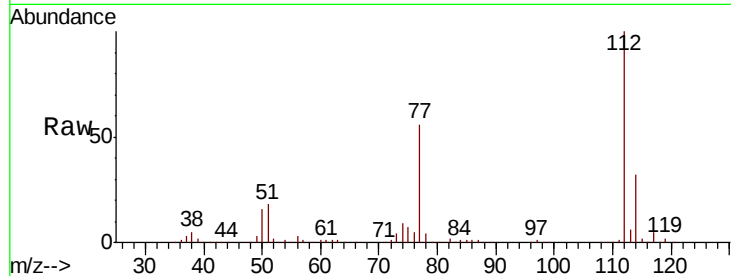
#65
Chlorobenzene
Concen: 20.56 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX004557.D
Acq: 15 Sep 2018 02:17

Instrument :
MSVOA_X
ClientSampled :
VX0914WBS03

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.2	27.8	41.8

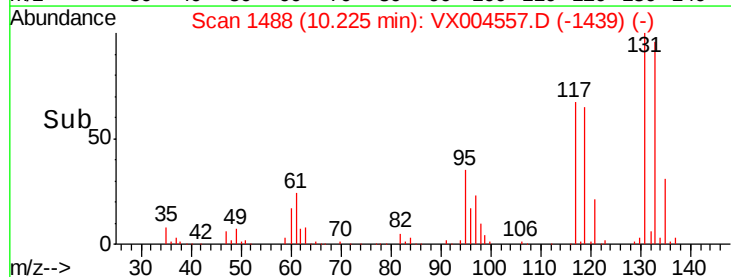
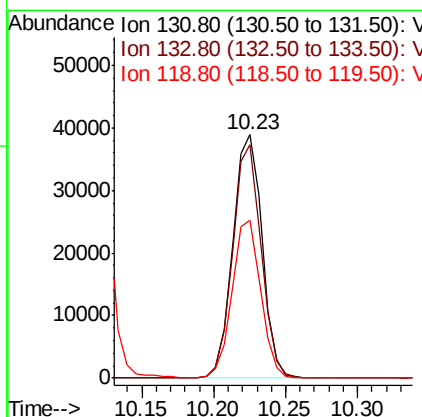
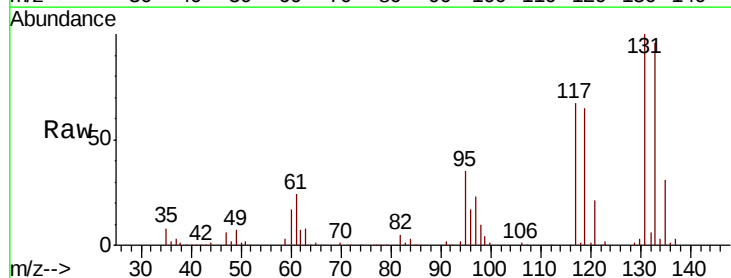
Manual Integrations
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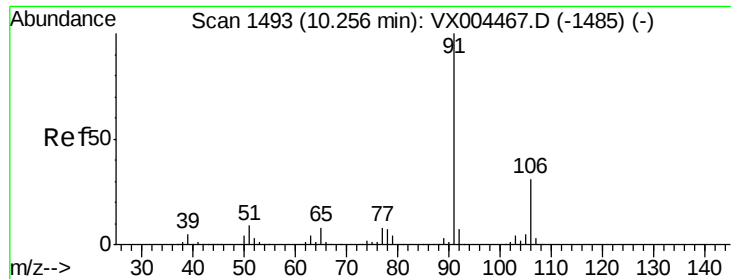
sam
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.65 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. -0.00 min
Lab File: VX004557.D
Acq: 15 Sep 2018 02:17

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.9	48.1	144.4
119	64.3	32.9	98.6





#67

Ethyl Benzene

Concen: 20.21 ug/l

RT: 10.26 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VX004557.D

Acq: 15 Sep 2018 02:17

Instrument :

MSVOA_X

ClientSampled :

VX0914WBS03

Tot Ion: 91 Resp: 254341

Ion Ratio Lower Upper

91 100

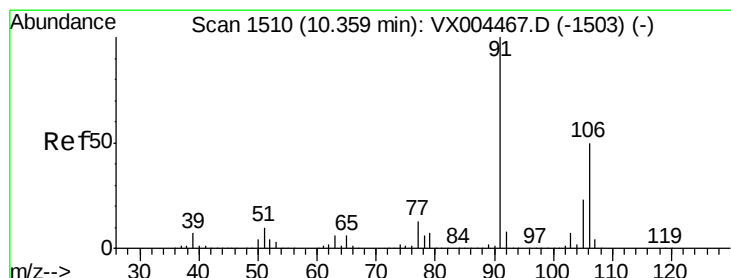
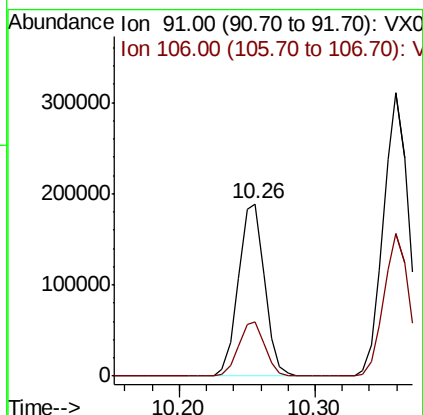
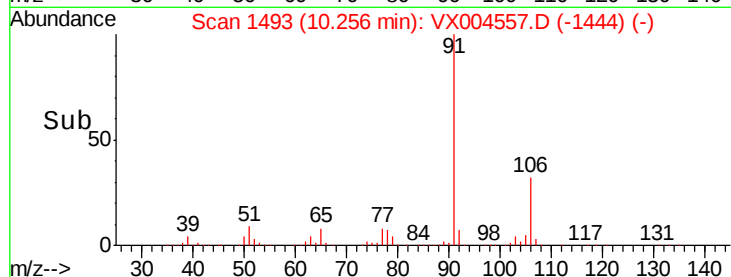
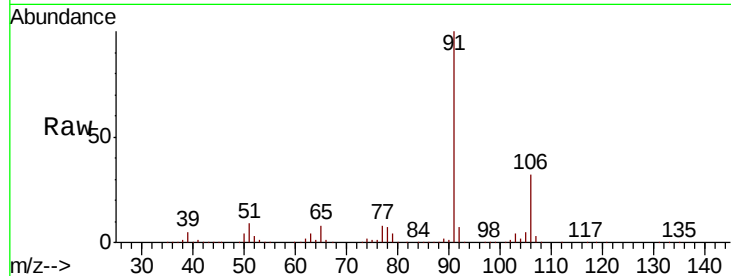
106 31.6 25.9 38.9

Manual Integrations

APPROVED

sam

9/17/2018 6:17:39 PM



#68

m/p-Xylenes

Concen: 41.74 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX004557.D

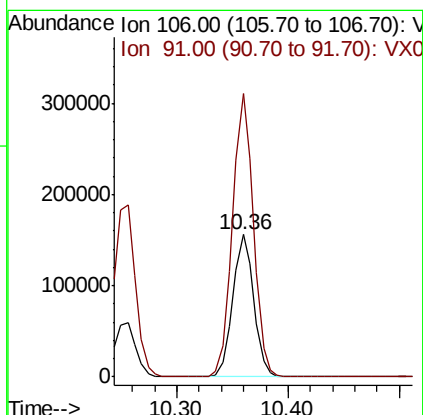
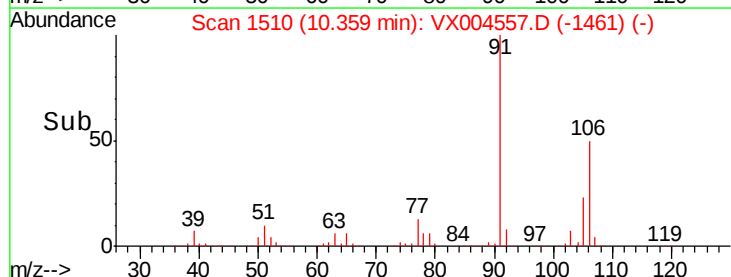
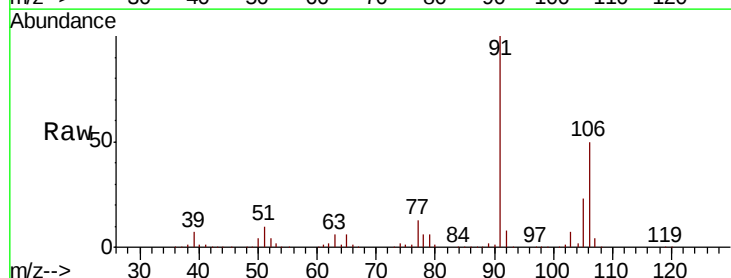
Acq: 15 Sep 2018 02:17

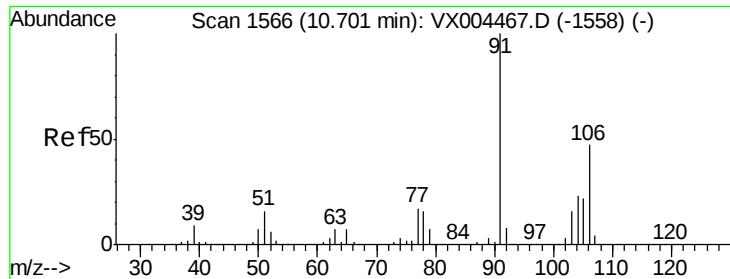
Tgt Ion: 106 Resp: 202361

Ion Ratio Lower Upper

106 100

91 199.5 157.1 235.7





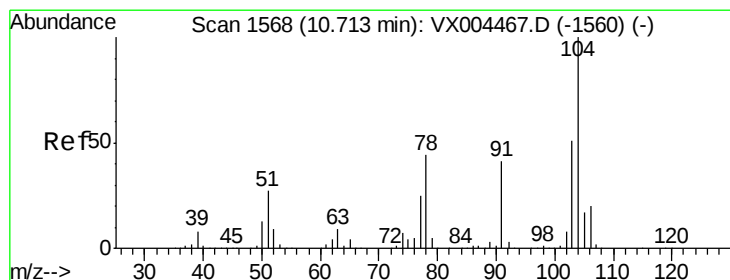
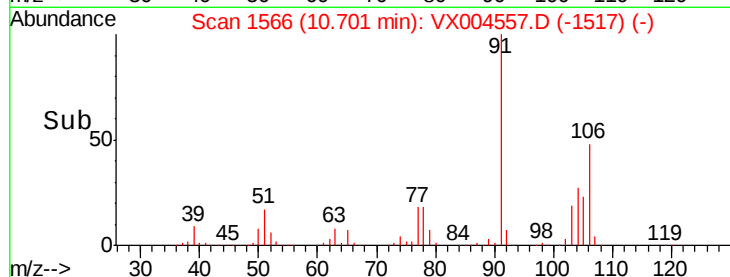
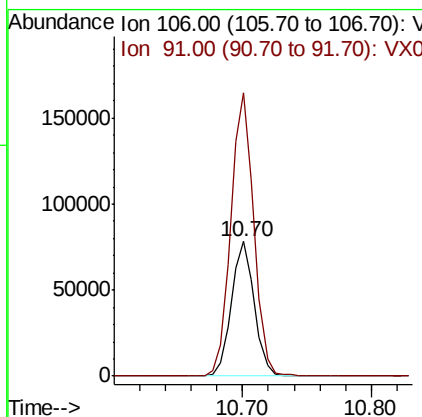
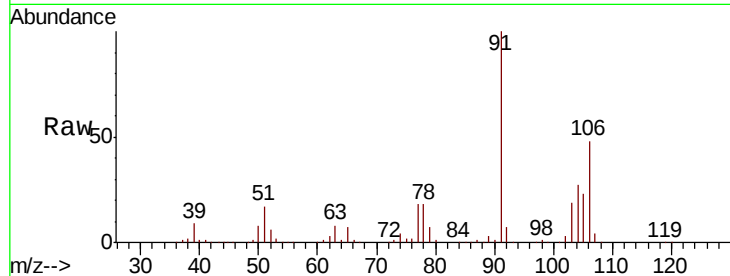
#69
o-Xylene
Concen: 20.87 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX004557.D
Acq: 15 Sep 2018 02:17

Instrument :
MSVOA_X
ClientSampleId :
VX0914WBS03

Tot Ion:106 Resp: 97286
Ion Ratio Lower Upper
106 100
91 211.3 105.1 315.1

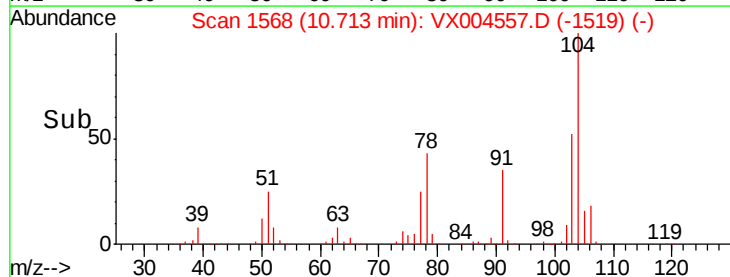
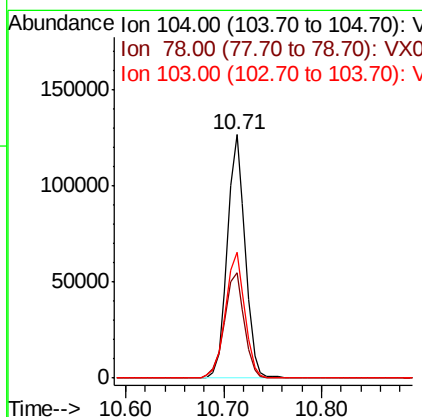
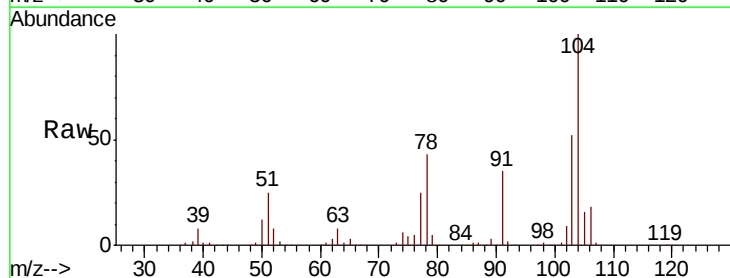
Manual Integrations
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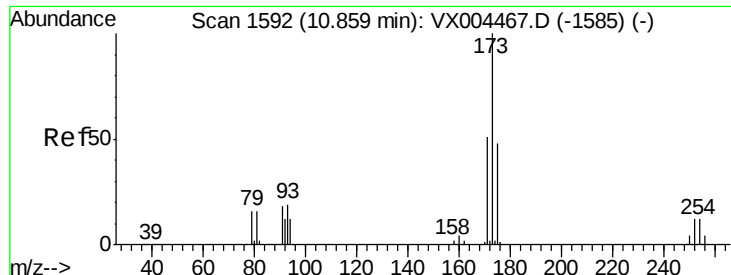
sam
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#70
Styrene
Concen: 20.77 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX004557.D
Acq: 15 Sep 2018 02:17

Tgt Ion:104 Resp: 160415
Ion Ratio Lower Upper
104 100
78 48.2 37.4 56.0
103 56.0 43.8 65.6





#71

Bromoform

Concen: 20.06 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX004557.D

Acq: 15 Sep 2018 02:17

Instrument :

MSVOA_X

ClientSampleId :

VX0914WBS03

Tot Ion:173 Resp: 43962

Ion Ratio Lower Upper

173 100

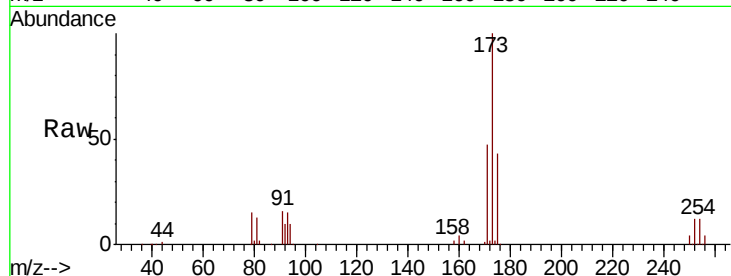
175 47.5 24.1 72.3

254 0.1 0.2 0.2#

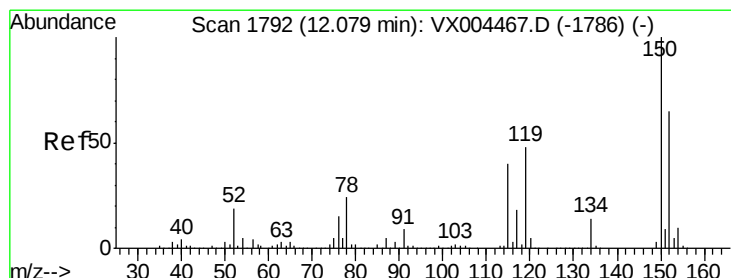
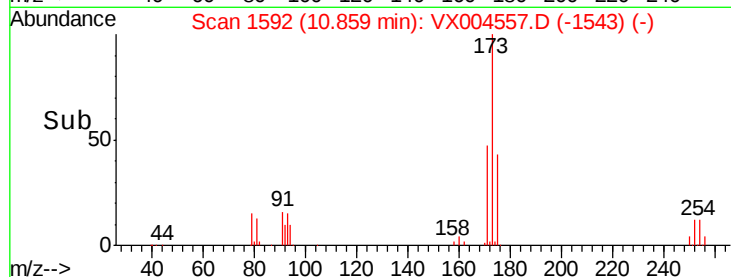
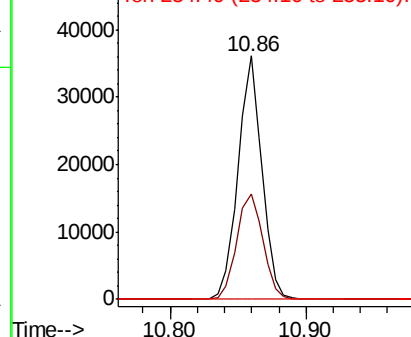
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX004557.D

Acq: 15 Sep 2018 02:17

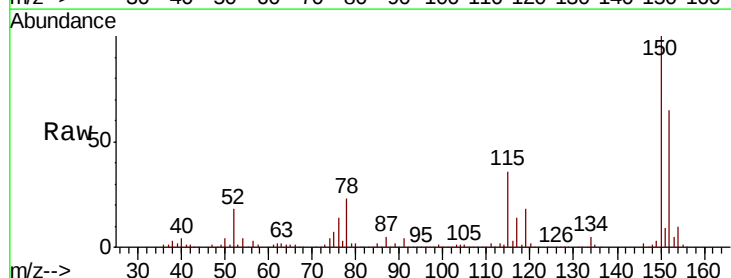
Tgt Ion:152 Resp: 182909

Ion Ratio Lower Upper

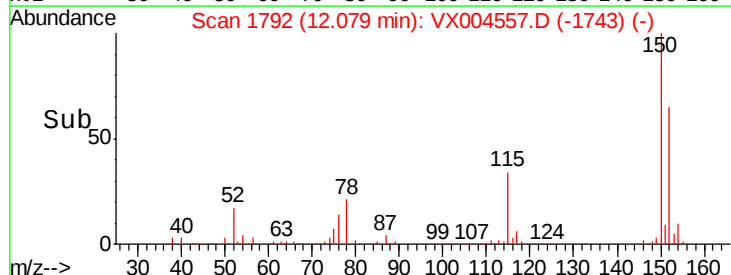
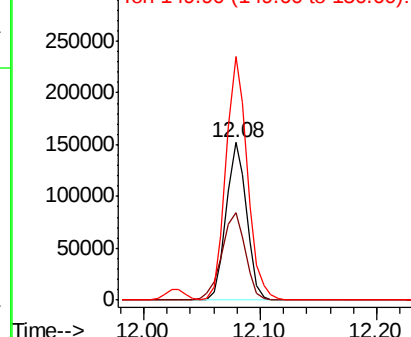
152 100

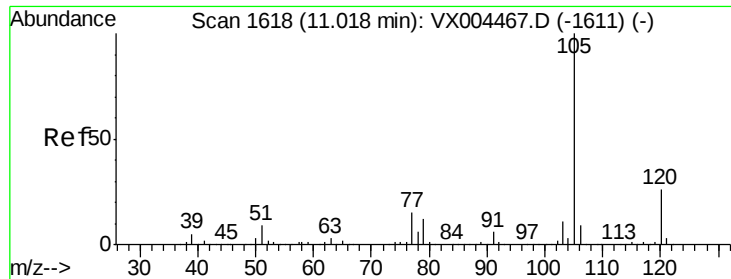
115 63.8 39.0 117.0

150 163.0 0.0 351.0



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: 21.84 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX004557.D

Acq: 15 Sep 2018 02:17

Instrument :

MSVOA_X

ClientSampleId :

VX0914WBS03

Tot Ion: 105 Resp: 263118

Ion Ratio Lower Upper

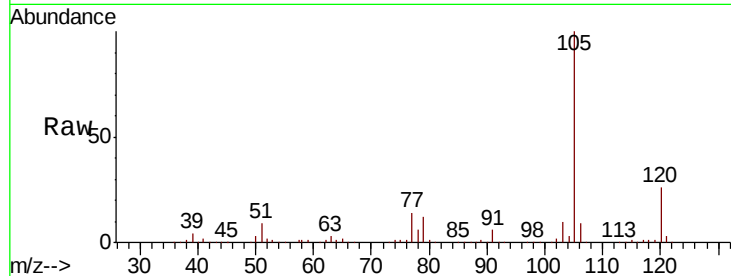
105 100

120 26.8 13.5 40.4

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

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

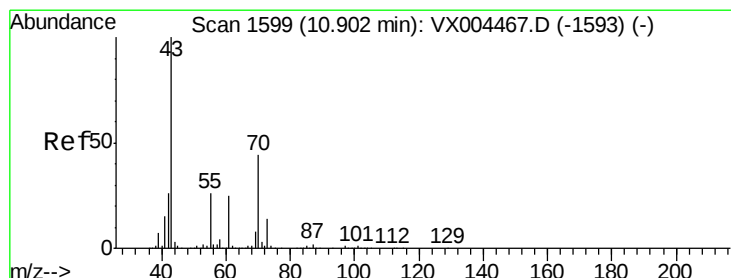
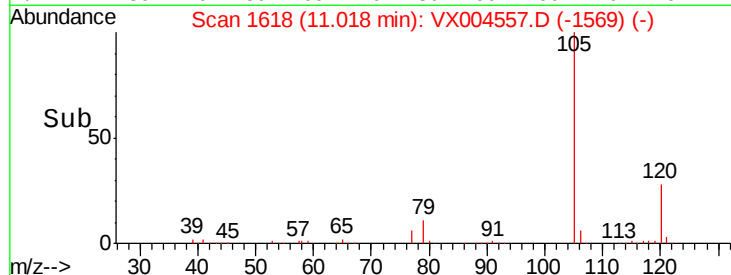
50000

0

11.02

11.10

Time-->



#74

N-ethyl acetate

Concen: 20.46 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. -0.00 min

Lab File: VX004557.D

Acq: 15 Sep 2018 02:17

Tgt Ion: 43 Resp: 103737

Ion Ratio Lower Upper

43 100

70 44.2 37.4 56.0

55 27.2 21.8 32.8

61 24.3 20.6 30.8

Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

120000

100000

80000

60000

40000

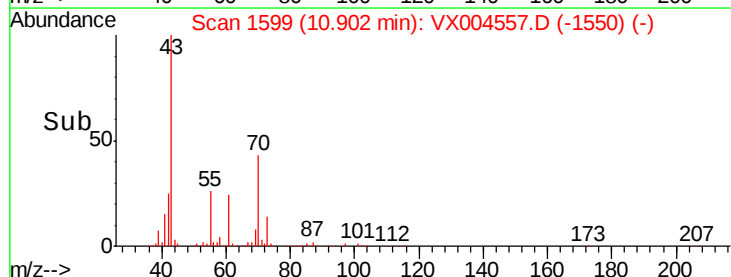
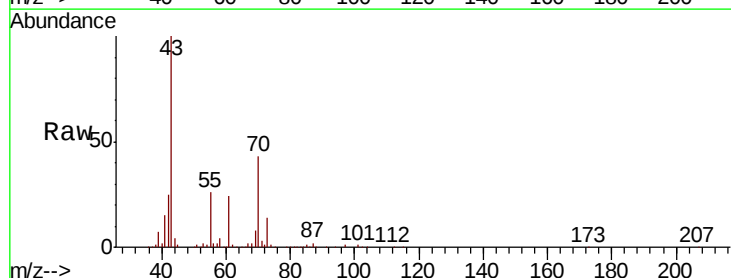
20000

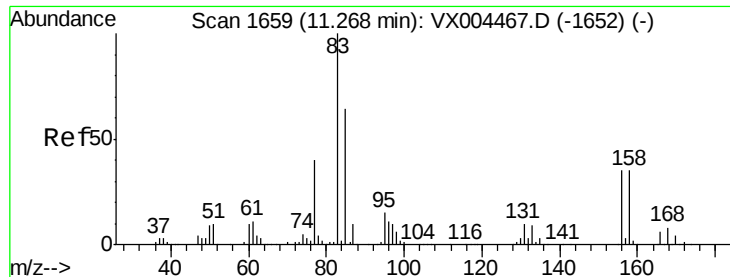
0

10.90

11.00

Time-->





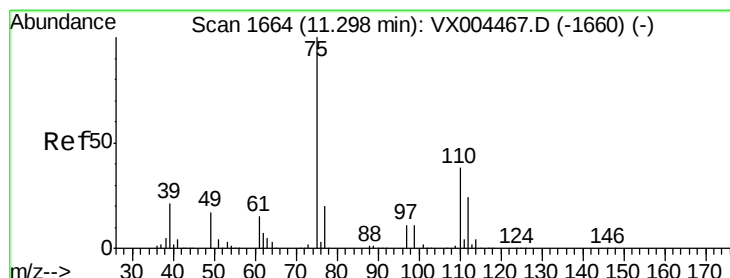
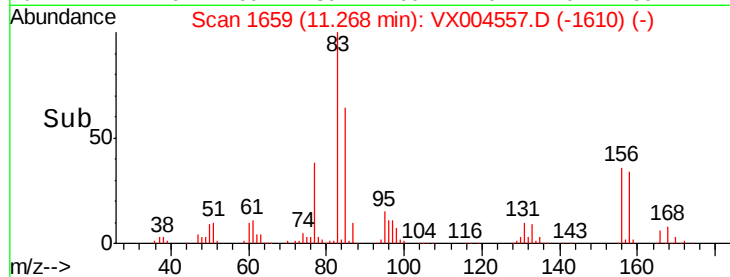
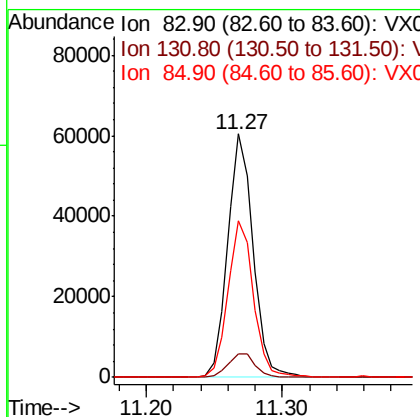
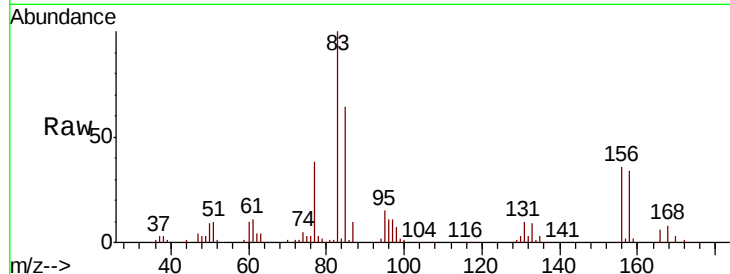
#75
 1,1,2,2-Tetrachloroethane
 Concen: 20.16 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. -0.00 min
 Lab File: VX004557.D
 Acq: 15 Sep 2018 02:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0914WBS03

Tot Ion	83	Resp	78334
Ion Ratio	100	Lower	Upper
83	100		
131	10.3	5.2	15.6
85	64.6	32.3	96.8

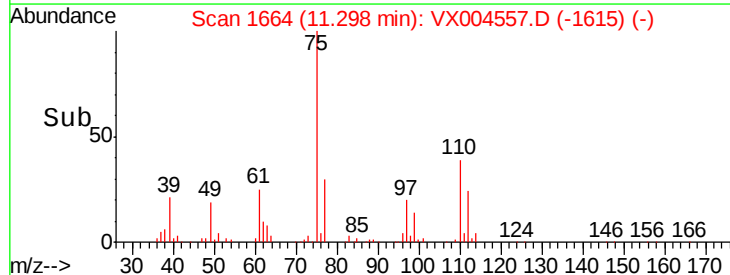
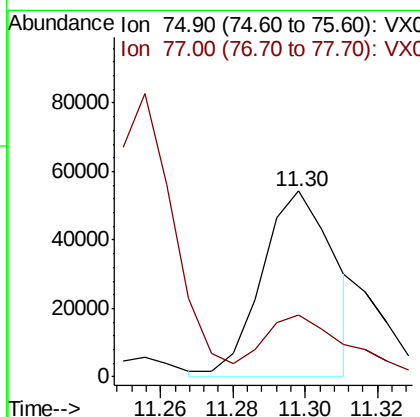
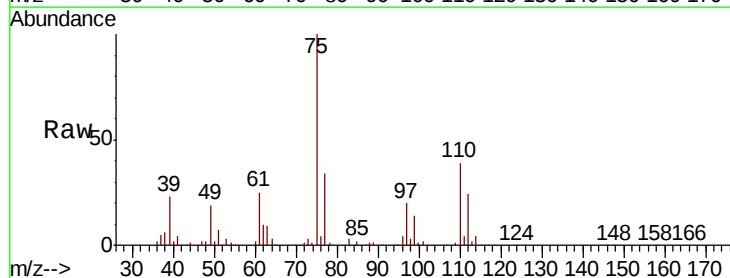
Manual Integrations
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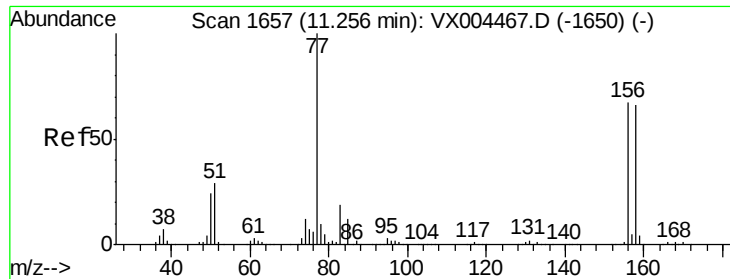
sam
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#76
 1,2,3-Trichloropropane
 Concen: 20.38 ug/l m
 RT: 11.30 min Scan# 1664
 Delta R.T. -0.00 min
 Lab File: VX004557.D
 Acq: 15 Sep 2018 02:17

Tgt Ion	75	Resp	74988
Ion Ratio	100	Lower	Upper
75	100		
77	39.4	20.2	60.6





#77

Bromobenzene

Concen: 21.17 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX004557.D

Acq: 15 Sep 2018 02:17

Instrument :

MSVOA_X

ClientSampled :

VX0914WBS03

Tot Ion:156 Resp: 70491

Ion Ratio Lower Upper

156 100

77 146.8 71.5 214.3

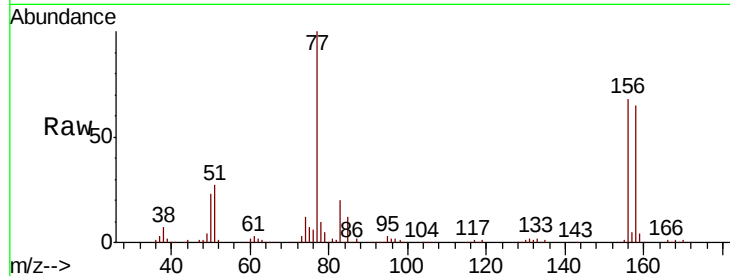
158 96.6 48.9 146.8

Manual Integrations

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sam

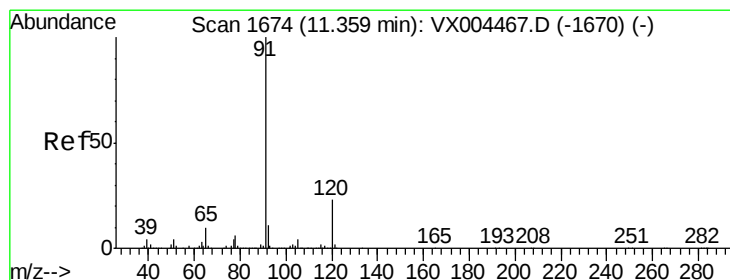
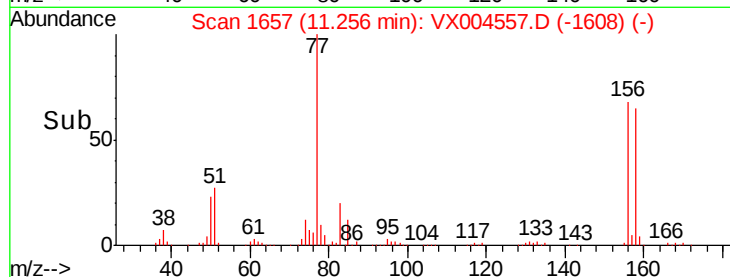
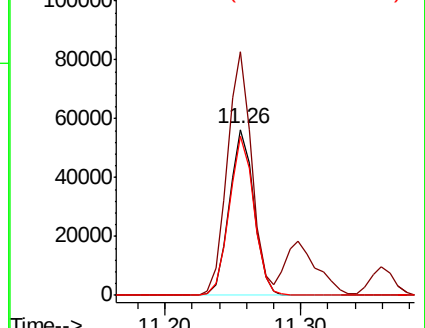
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.43 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX004557.D

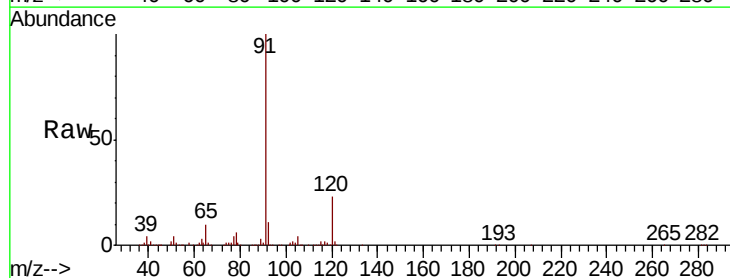
Acq: 15 Sep 2018 02:17

Tgt Ion: 91 Resp: 296800

Ion Ratio Lower Upper

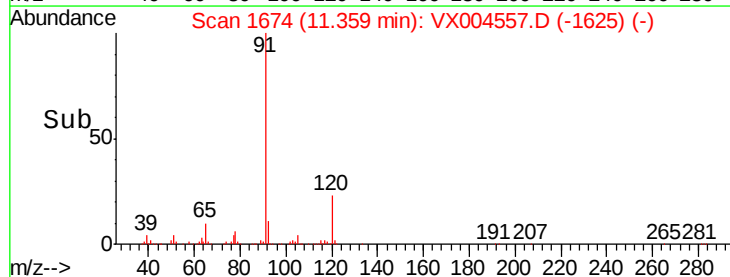
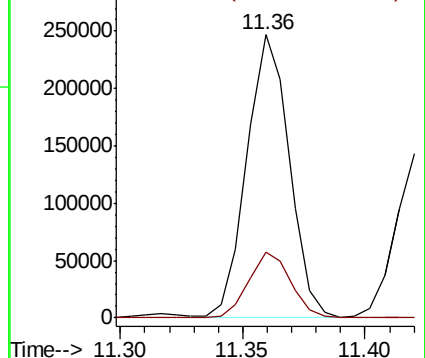
91 100

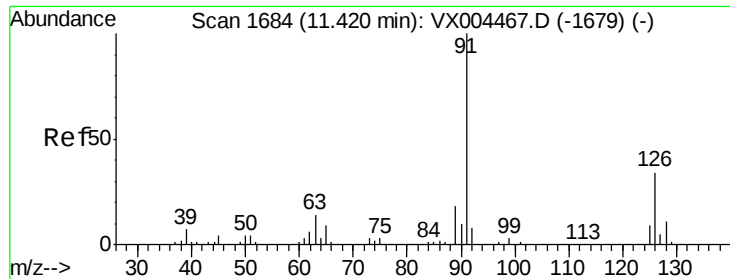
120 23.3 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





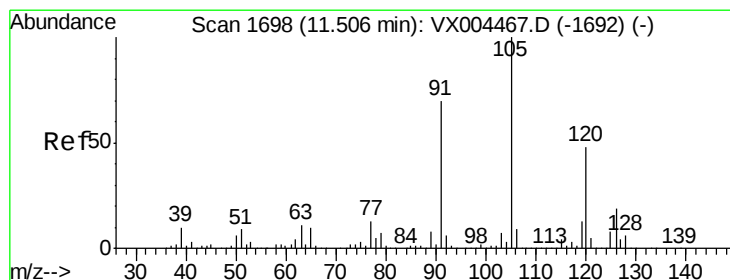
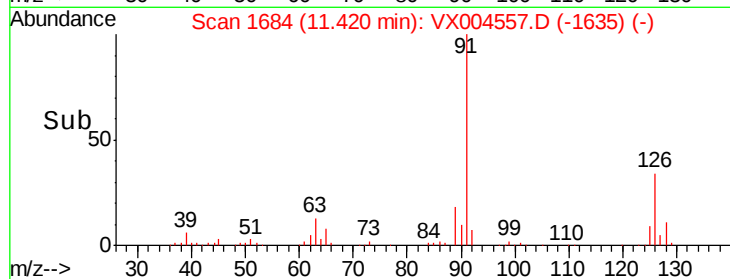
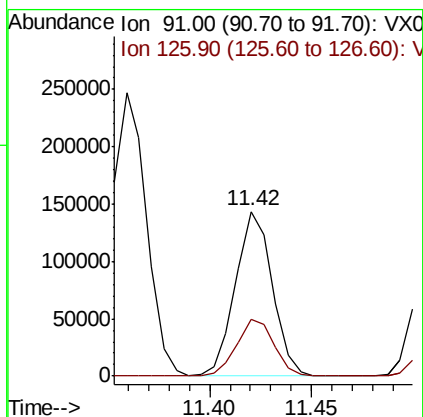
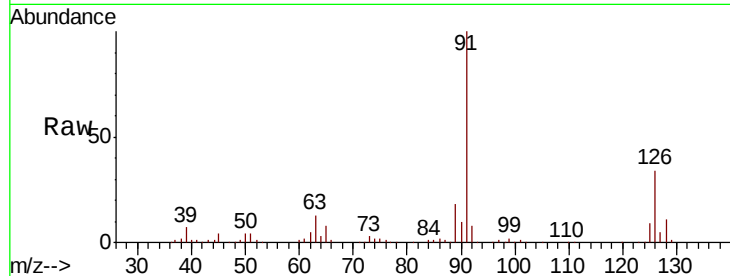
#79
 2-Chlorotoluene
 Concen: 21.40 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX004557.D
 Acq: 15 Sep 2018 02:17

Instrument :
 MSVOA_X
 ClientSampled :
 VX0914WBS03

Tot Ion: 91 Resp: 179789
 Ion Ratio Lower Upper
 91 100
 126 35.4 17.9 53.7

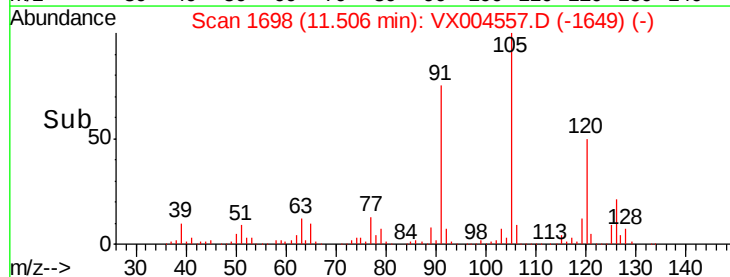
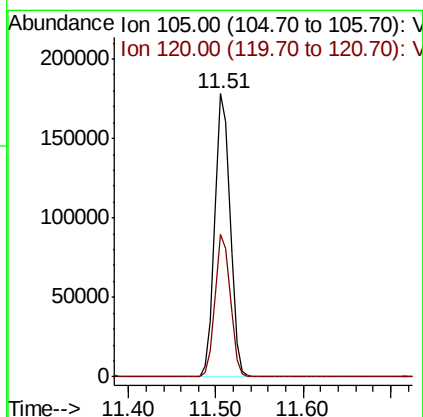
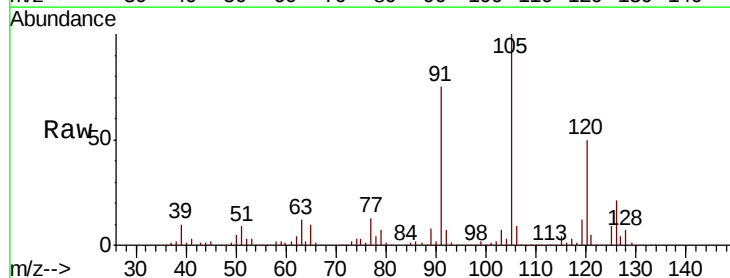
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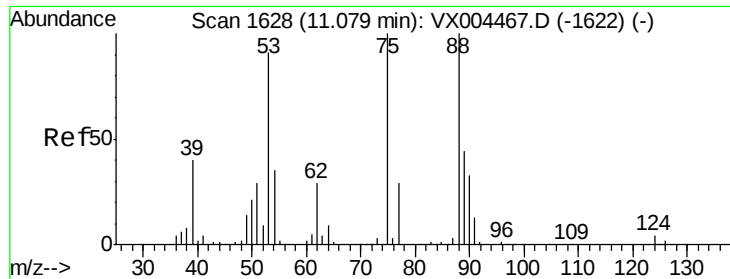
sam
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#80
 1,3,5-Trimethylbenzene
 Concen: 21.51 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX004557.D
 Acq: 15 Sep 2018 02:17

Tgt Ion: 105 Resp: 217821
 Ion Ratio Lower Upper
 105 100
 120 49.9 25.6 76.8





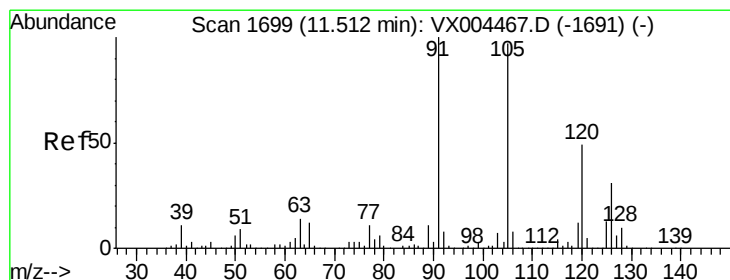
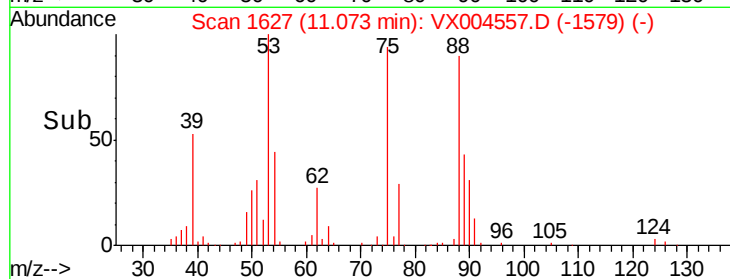
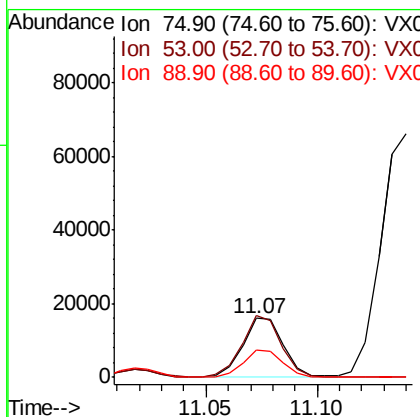
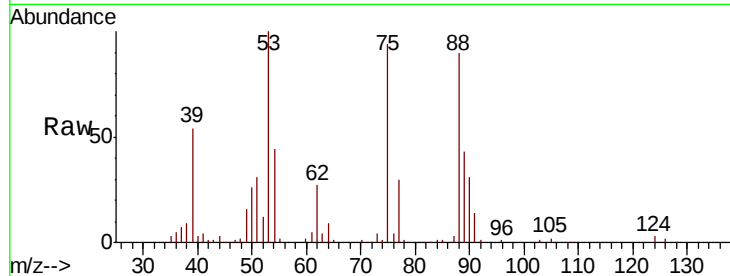
#81
trans-1,4-Dichloro-2-butene
Concen: 17.61 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.01 min
Lab File: VX004557.D
Acq: 15 Sep 2018 02:17

Instrument :
MSVOA_X
ClientSampleId :
VX0914WBS03

Tot Ion: 75 Resp: 20329
Ion Ratio Lower Upper
75 100
53 101.8 80.1 120.1
89 45.6 37.2 55.8

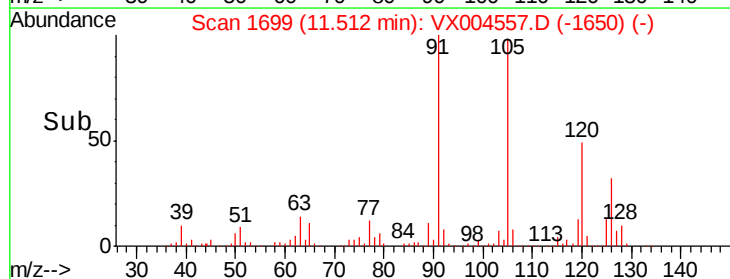
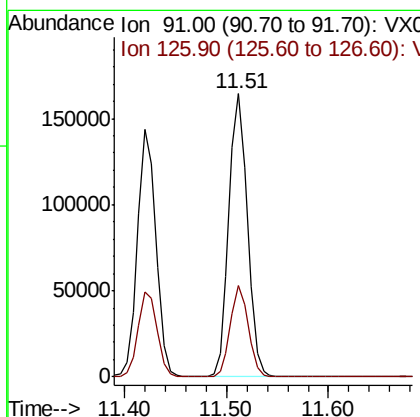
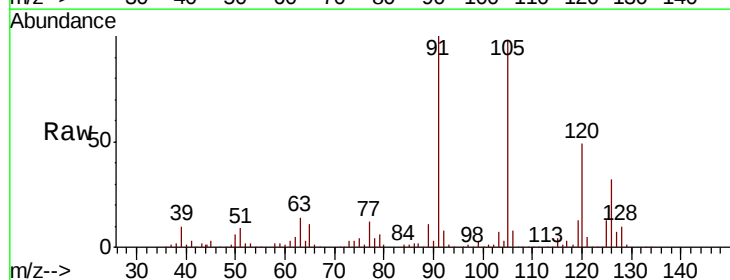
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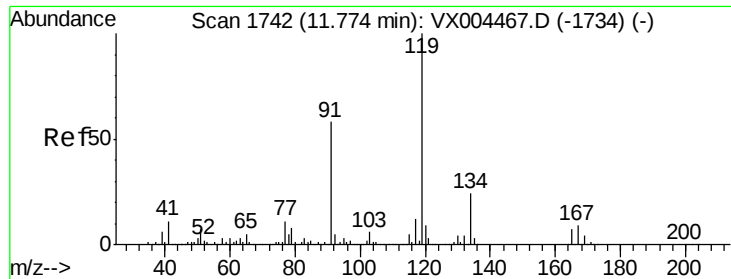
sam
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#82
4-Chlorotoluene
Concen: 21.10 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX004557.D
Acq: 15 Sep 2018 02:17

Tgt Ion: 91 Resp: 206852
Ion Ratio Lower Upper
91 100
126 31.1 15.5 46.5





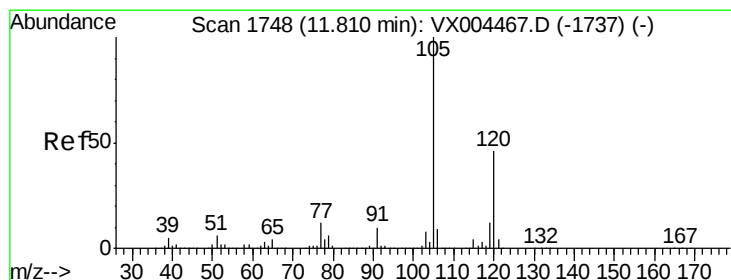
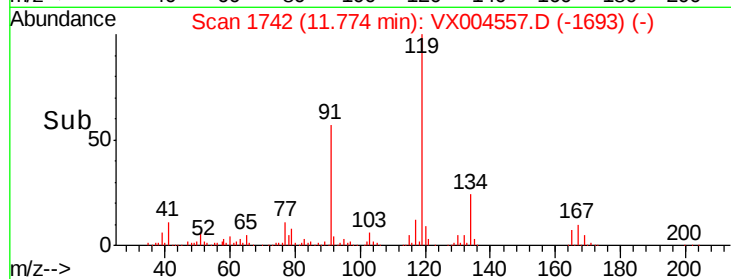
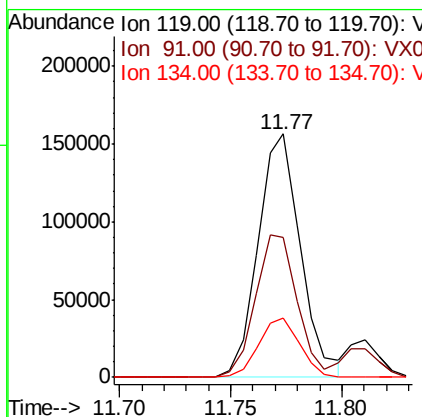
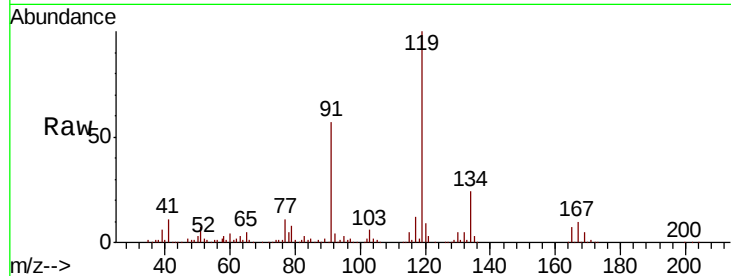
#83
 tert-Butylbenzene
 Concen: 21.57 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VX004557.D
 Acq: 15 Sep 2018 02:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0914WBS03

Tot Ion	Ratio	Resp	Lower	Upper
119	100	207966		
91	57.4		27.0	81.0
134	23.6		11.7	35.1

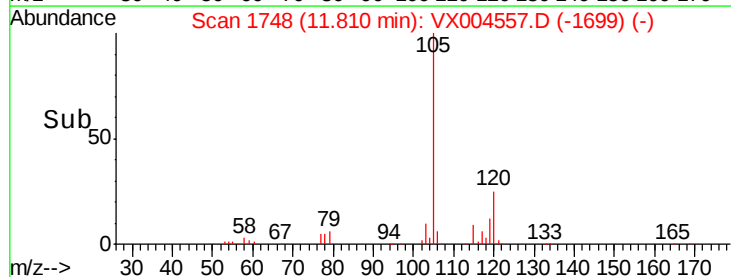
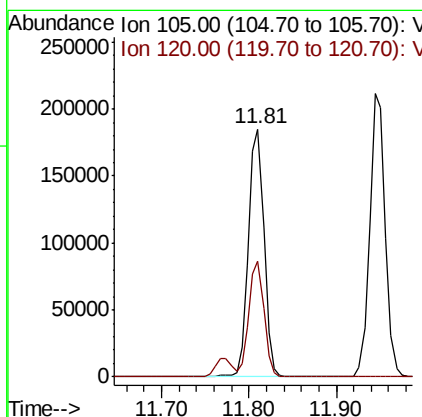
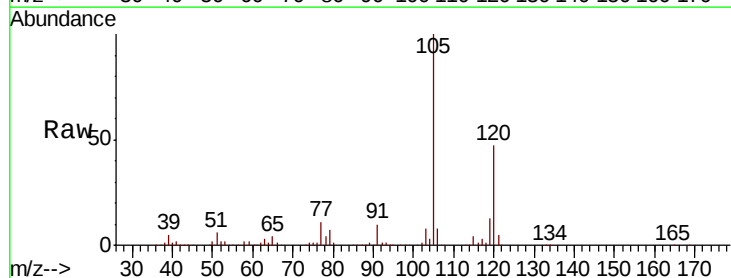
Manual Integrations
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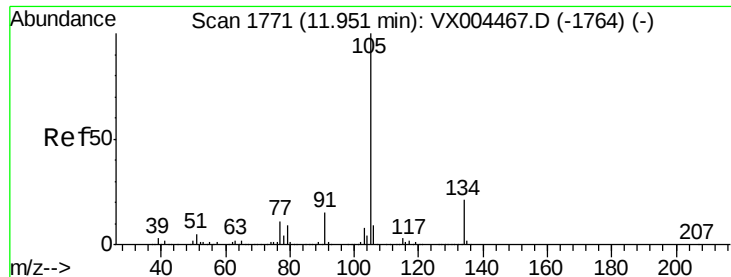
sam
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#84
 1,2,4-Trimethylbenzene
 Concen: 22.02 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. -0.00 min
 Lab File: VX004557.D
 Acq: 15 Sep 2018 02:17

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	227696		
120	45.2		23.2	69.6





#85

sec-Butylbenzene

Concen: 21.36 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX004557.D

Acq: 15 Sep 2018 02:17

Instrument :

MSVOA_X

ClientSampleId :

VX0914WBS03

Tot Ion:105 Resp: 262437

Ion Ratio Lower Upper

105 100

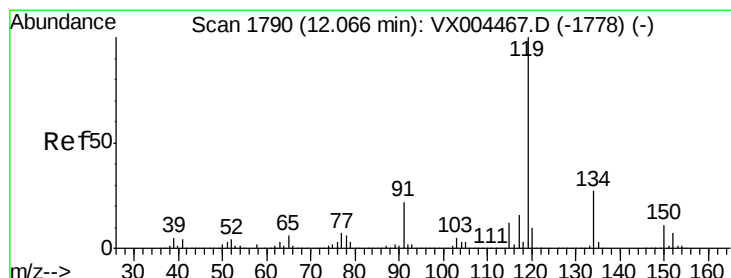
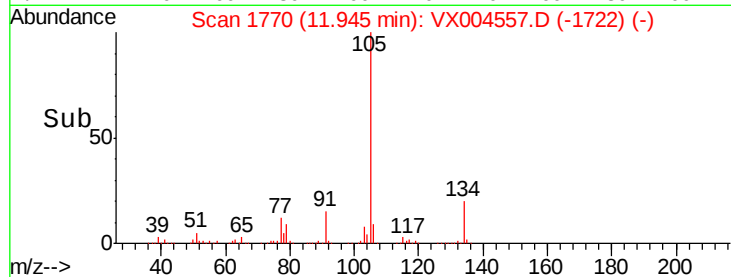
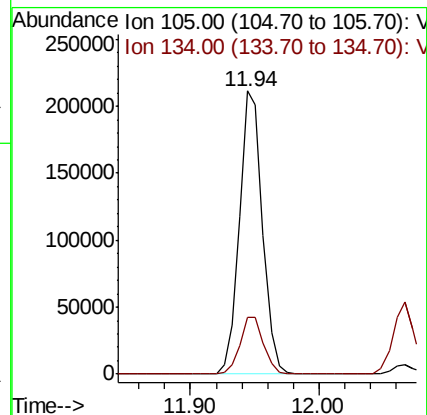
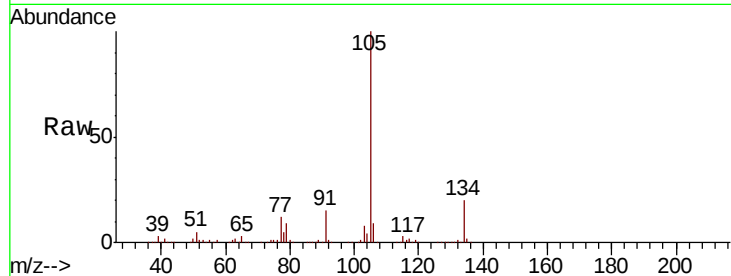
134 20.4 10.5 31.5

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 21.49 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX004557.D

Acq: 15 Sep 2018 02:17

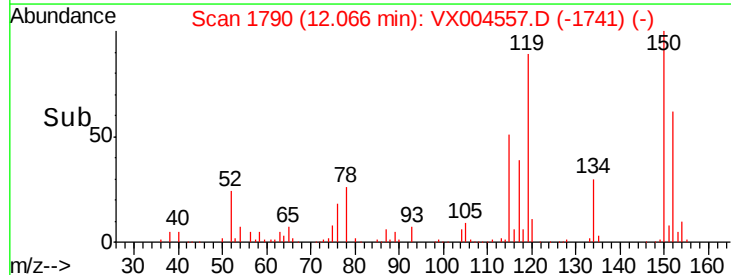
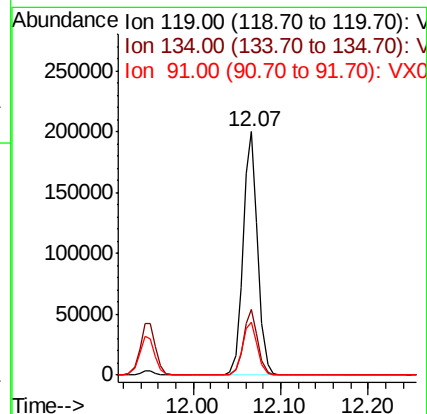
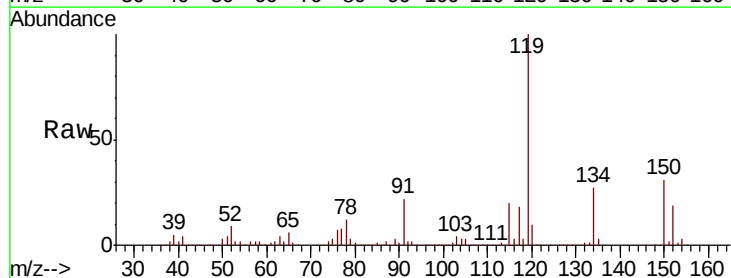
Tgt Ion:119 Resp: 233146

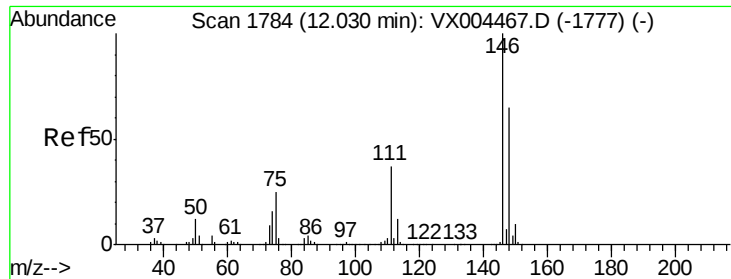
Ion Ratio Lower Upper

119 100

134 26.3 13.4 40.2

91 22.3 10.9 32.7





#87

1,3-Dichlorobenzene

Concen: 20.71 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.01 min

Lab File: VX004557.D

Acq: 15 Sep 2018 02:17

Instrument :

MSVOA_X

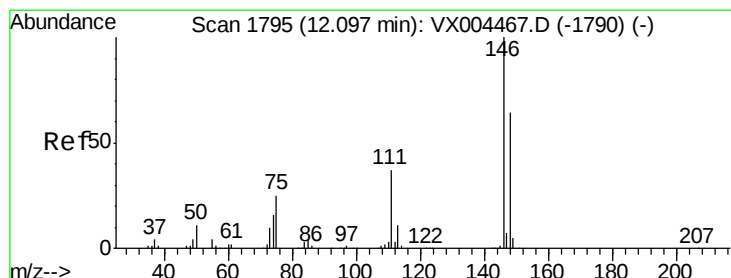
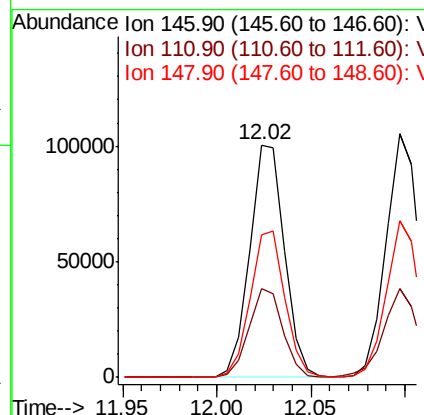
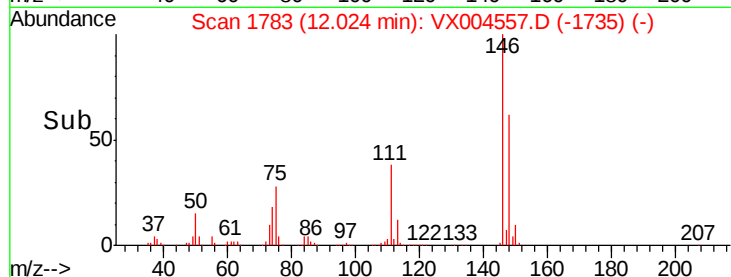
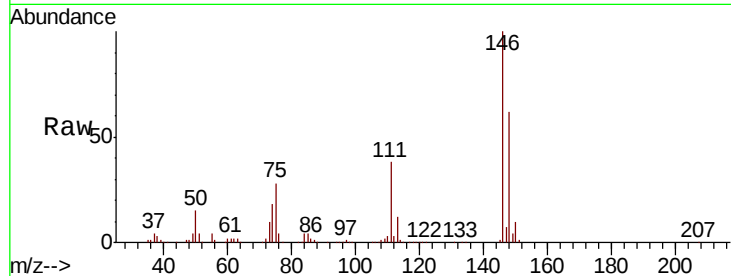
ClientSampled :

VX0914WBS03

Tot Ion:	146	Resp:	128657
Ion Ratio	Lower	Upper	
146	100		
111	37.4	18.7	56.1
148	62.8	32.1	96.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 20.13 ug/l

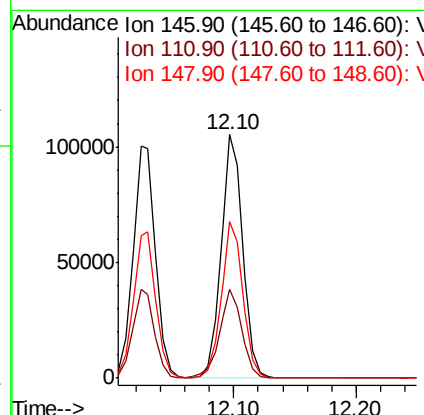
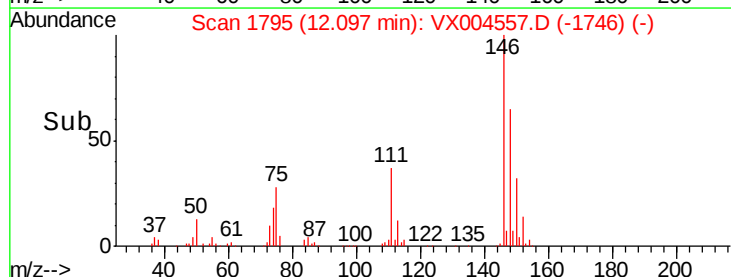
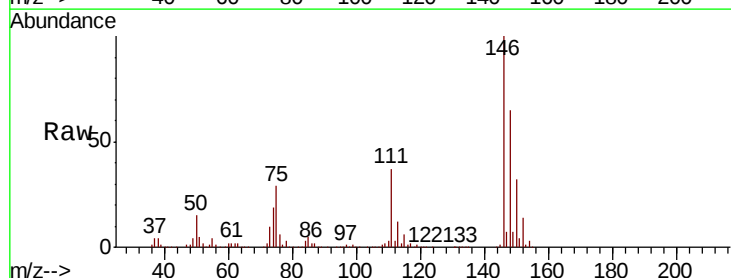
RT: 12.10 min Scan# 1795

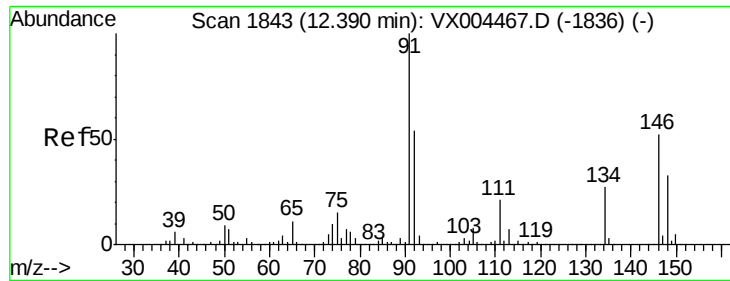
Delta R.T. -0.00 min

Lab File: VX004557.D

Acq: 15 Sep 2018 02:17

Tgt Ion:	146	Resp:	129212
Ion Ratio	Lower	Upper	
146	100		
111	37.5	18.1	54.1
148	64.2	32.0	96.0





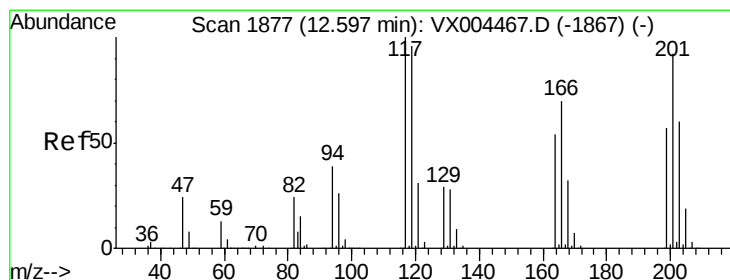
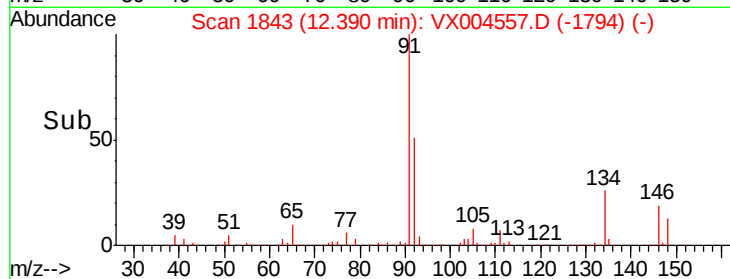
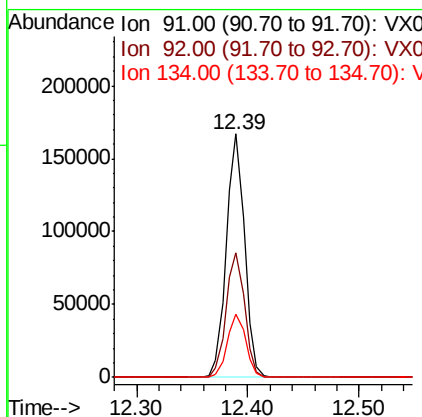
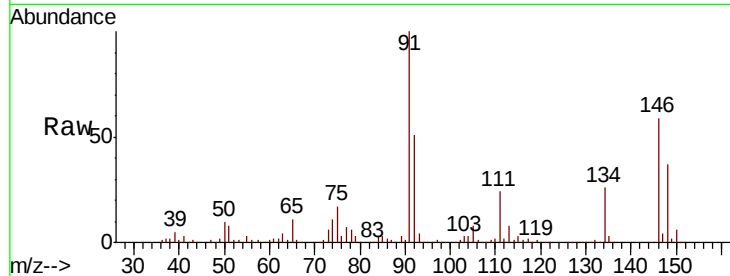
#89
n-Butylbenzene
Concen: 19.15 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX004557.D
Acq: 15 Sep 2018 02:17

Instrument :
MSVOA_X
ClientSampled :
VX0914WBS03

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	27.3	81.9
134	26.7	13.6	40.7

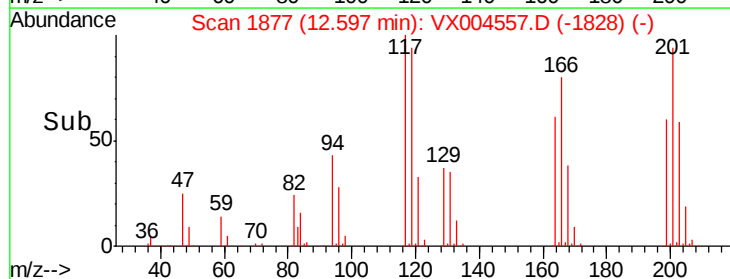
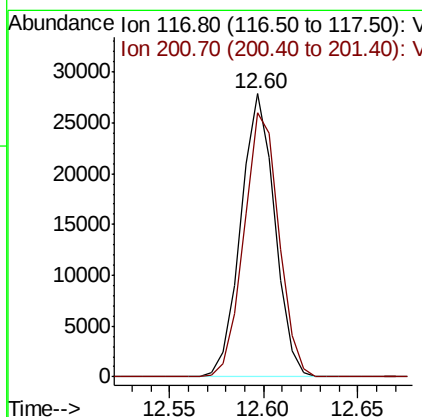
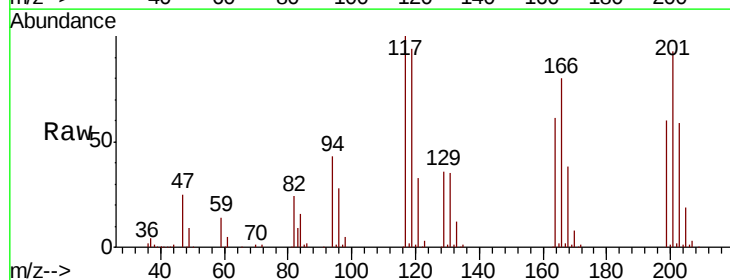
Manual Integrations
APPROVED

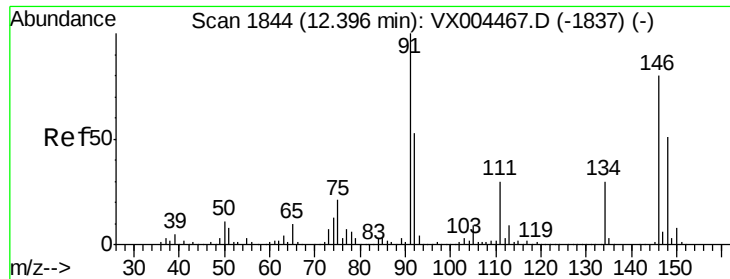
Sam
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#90
Hexachloroethane
Concen: 19.97 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX004557.D
Acq: 15 Sep 2018 02:17

Tgt Ion	Ratio	Lower	Upper
117	100		
201	96.2	46.9	140.6





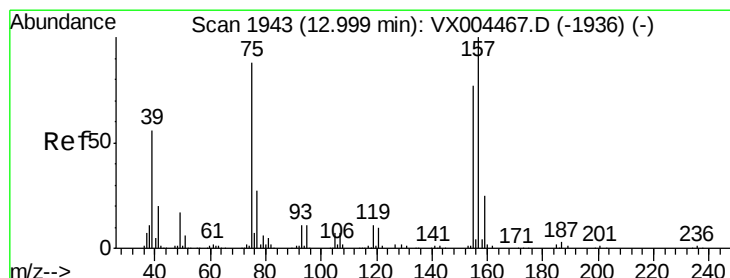
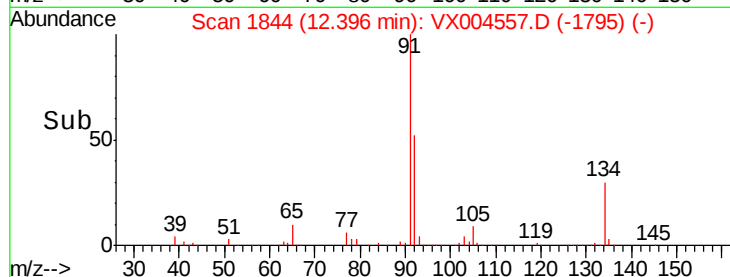
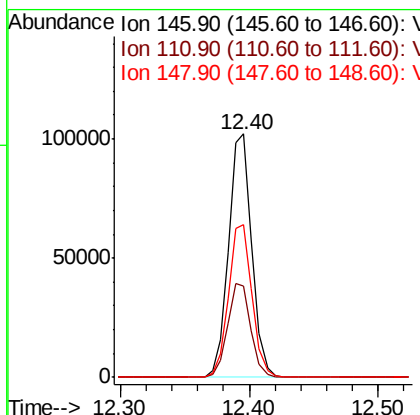
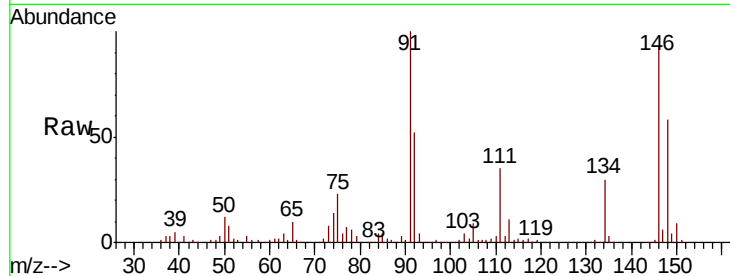
#91
 1,2-Dichlorobenzene
 Concen: 20.54 ug/l
 RT: 12.40 min Scan# 1844
 Delta R.T. -0.00 min
 Lab File: VX004557.D
 Acq: 15 Sep 2018 02:17

Instrument :
 MSVOA_X
 ClientSampled :
 VX0914WBS03

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.4	58.1
148	63.6	32.8	98.3

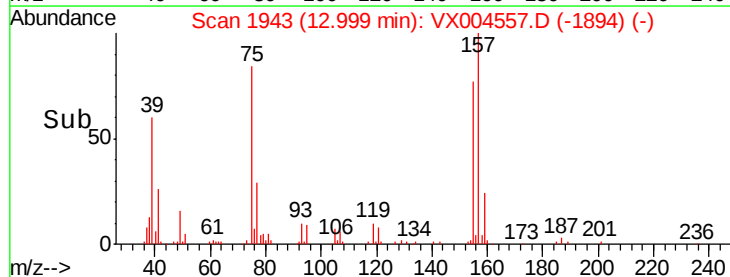
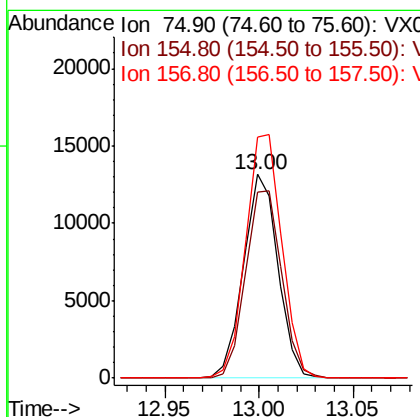
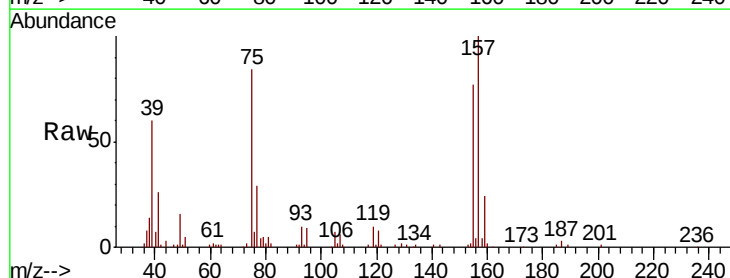
Manual Integrations
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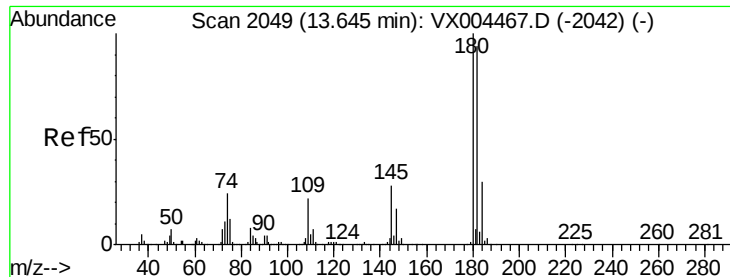
sam
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.16 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX004557.D
 Acq: 15 Sep 2018 02:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.0	48.0	144.2
157	125.4	61.4	184.1





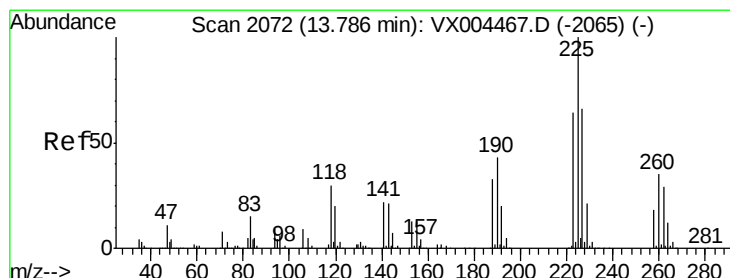
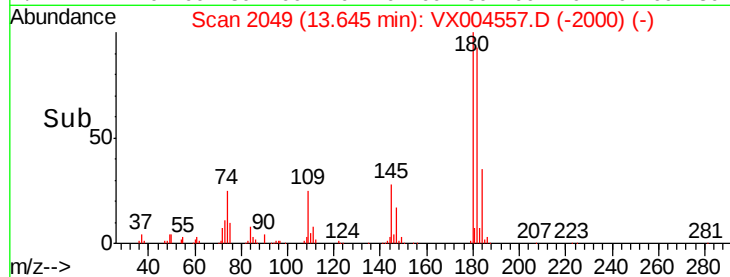
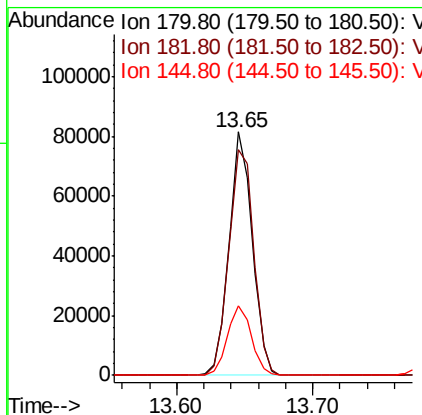
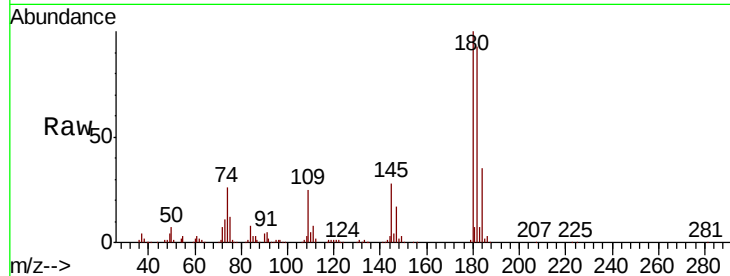
#93
 1,2,4-Trichlorobenzene
 Concen: 21.85 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX004557.D
 Acq: 15 Sep 2018 02:17

Instrument :
 MSVOA_X
 ClientSampled :
 VX0914WBS03

Tot Ion	Ratio	Resp	Lower	Upper
180	100	97292		
182	99.4	48.4	145.0	
145	29.3	14.3	42.9	

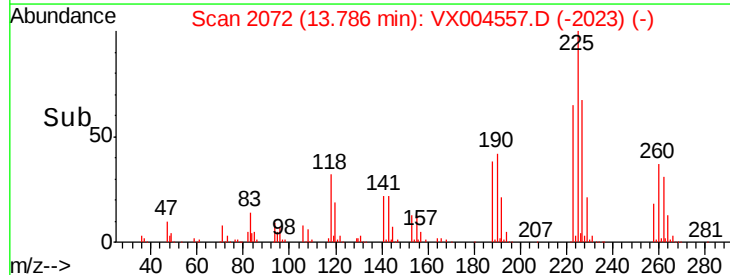
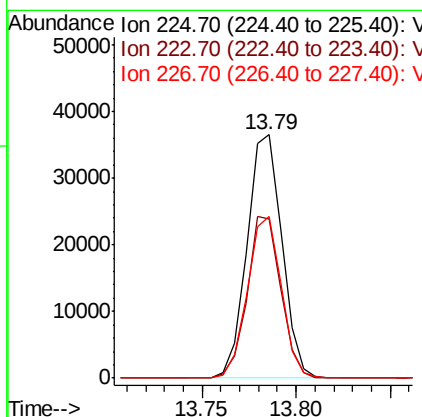
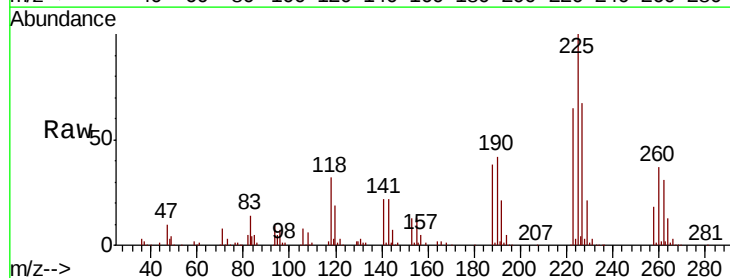
Manual Integrations
 APPROVED

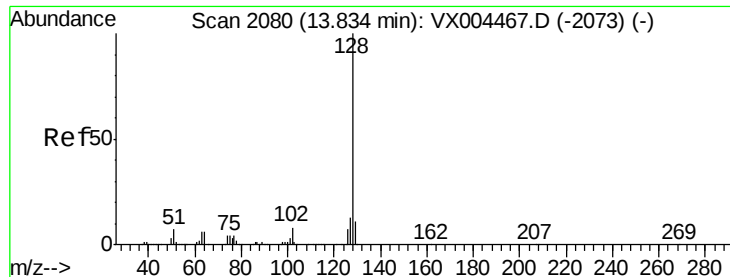
sam
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#94
 Hexachlorobutadiene
 Concen: 20.13 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX004557.D
 Acq: 15 Sep 2018 02:17

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	46812		
223	64.2	30.1	90.5	
227	64.5	30.8	92.4	





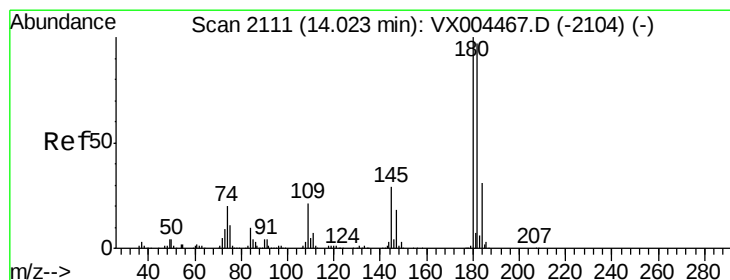
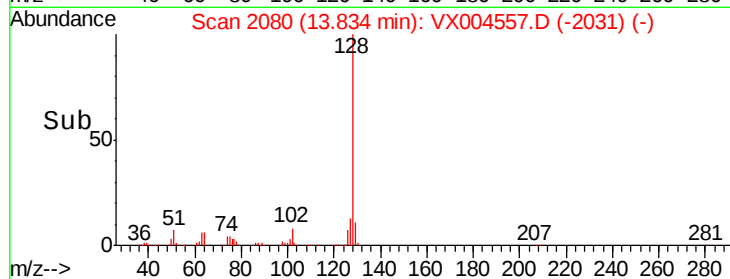
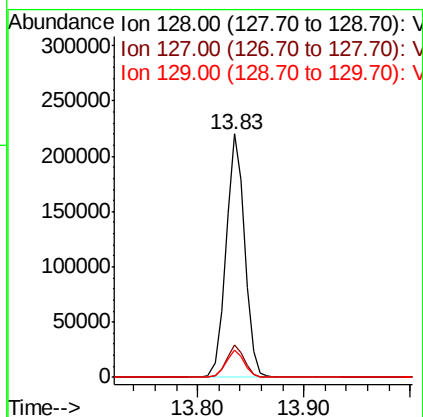
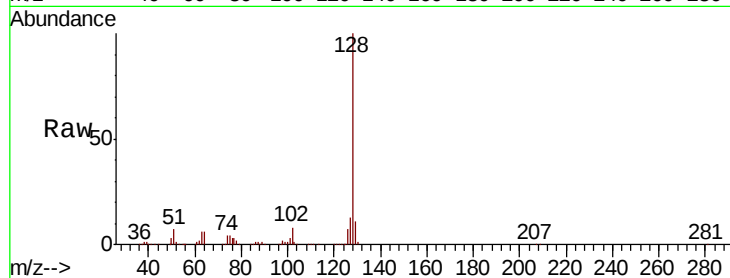
#95
Naphthalene
Concen: 21.51 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX004557.D
Acq: 15 Sep 2018 02:17

Instrument :
MSVOA_X
ClientSampleId :
VX0914WBS03

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	11.0	8.6	12.8

Manual Integrations
APPROVED

sam
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#96
1,2,3-Trichlorobenzene
Concen: 21.26 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. -0.00 min
Lab File: VX004557.D
Acq: 15 Sep 2018 02:17

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.6	48.5	145.6
145	29.9	14.9	44.9

