

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071918\
 Data File : VX003475.D
 Acq On : 19 Jul 2018 21:01
 Operator : JC/SP
 Sample : VX0719WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0719WBSD01

Manual Integrations
 APPROVED

MMDadoda
 7/20/2018 5:22:14 PM

Quant Time: Jul 20 04:17:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 17:09:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	311542	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	448144	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	421364	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	249467	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	199649	54.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.28%	
35) Dibromofluoromethane	5.51	113	179682	52.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.28%	
50) Toluene-d8	8.72	98	685477	53.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.86%	
62) 4-Bromofluorobenzene	11.14	95	246834	52.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	53288	21.13	ug/l	99
3) Chloromethane	1.32	50	68465	21.67	ug/l	99
4) Vinyl Chloride	1.40	62	77790	19.66	ug/l	98
5) Bromomethane	1.64	94	40511	24.46	ug/l	98
6) Chloroethane	1.72	64	50696	21.65	ug/l	100
7) Trichlorofluoromethane	1.93	101	107631	20.38	ug/l	98
8) Diethyl Ether	2.19	74	46849	20.66	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.39	101	68235	19.74	ug/l	97
10) Methyl Iodide	2.51	142	79830	19.23	ug/l	93
11) Tert butyl alcohol	3.07	59	85130	116.66	ug/l	99
12) 1,1-Dichloroethene	2.37	96	65323	20.53	ug/l	88
13) Acrolein	2.29	56	35382	107.31	ug/l	99
14) Allyl chloride	2.73	41	120743	21.44	ug/l	87
15) Acrylonitrile	3.15	53	200858	108.11	ug/l	97
16) Acetone	2.45	43	157647	113.17	ug/l	91
17) Carbon Disulfide	2.57	76	177744	20.65	ug/l	100
18) Methyl Acetate	2.78	43	97503	22.20	ug/l	95
19) Methyl tert-butyl Ether	3.21	73	222280	21.39	ug/l	100
20) Methylene Chloride	2.85	84	75646	21.72	ug/l	91
21) trans-1,2-Dichloroethene	3.16	96	70736	19.98	ug/l	95
22) Diisopropyl ether	3.87	45	224993	21.23	ug/l	98
23) Vinyl Acetate	3.82	43	907443	103.94	ug/l	96
24) 1,1-Dichloroethane	3.70	63	131892	21.21	ug/l	99
25) 2-Butanone	4.71	43	250965	107.38	ug/l	93
26) 2,2-Dichloropropane	4.59	77	87353	18.49	ug/l	94
27) cis-1,2-Dichloroethene	4.60	96	79088	20.06	ug/l	90
28) Bromochloromethane	5.03	49	59097	21.74	ug/l	88
29) Tetrahydrofuran	5.17	42	164860	106.78	ug/l	92
30) Chloroform	5.21	83	127718	21.03	ug/l	98
31) Cyclohexane	5.57	56	112049	20.17	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	107909	20.75	ug/l	97
36) 1,1-Dichloropropene	5.80	75	94860	19.61	ug/l	97
37) Ethyl Acetate	4.87	43	96510	21.08	ug/l	95
38) Carbon Tetrachloride	5.78	117	94969	20.01	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	112822	19.69	ug/l	94
40) Benzene	6.15	78	294713	20.17	ug/l	99
41) Methacrylonitrile	5.07	41	55363	20.57	ug/l	92
42) 1,2-Dichloroethane	6.21	62	97711	21.23	ug/l	96
43) Isopropyl Acetate	6.47	43	152721	20.97	ug/l	94
44) Trichloroethene	7.21	130	85247	19.57	ug/l	96
45) 1,2-Dichloropropane	7.52	63	76998	20.76	ug/l	100
46) Dibromomethane	7.67	93	49462	20.71	ug/l	96
47) Bromodichloromethane	7.90	83	89914	20.57	ug/l	94
48) Methyl methacrylate	7.78	41	75790	20.64	ug/l #	84
49) 1,4-Dioxane	7.76	88	35725	429.28	ug/l	95
51) 4-Methyl-2-Pentanone	8.65	43	500216	108.71	ug/l	92
52) Toluene	8.79	92	187152	20.35	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	110181	20.48	ug/l	100
54) cis-1,3-Dichloropropene	9.04	75	97527	20.15	ug/l	90
55) 1,1,2-Trichloroethane	9.22	97	75743	20.70	ug/l	97
56) Ethyl methacrylate	9.18	69	107989	20.95	ug/l #	82
57) 1,3-Dichloropropane	9.37	76	124209	21.00	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	266505	106.35	ug/l	98
59) 2-Hexanone	9.50	43	376140	110.33	ug/l	90
60) Dibromochloromethane	9.59	129	74277	20.51	ug/l	100
61) 1,2-Dibromoethane	9.68	107	78622	20.73	ug/l	99
64) Tetrachloroethene	9.34	164	99175	19.32	ug/l	99
65) Chlorobenzene	10.14	112	213889	19.70	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	74115	19.84	ug/l	98
67) Ethyl Benzene	10.26	91	349753	20.04	ug/l	98
68) m/p-Xylenes	10.36	106	274243	40.07	ug/l	97
69) o-Xylene	10.70	106	131387	19.85	ug/l	97
70) Styrene	10.71	104	221433	20.34	ug/l	97
71) Bromoform	10.86	173	56095	19.33	ug/l #	99
73) Isopropylbenzene	11.02	105	353161	20.47	ug/l	100
74) N-amyl acetate	6.47	43	152721	20.85	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	11.27	83	105977	20.96	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	95579m	21.33	ug/l	
77) Bromobenzene	11.26	156	98026	19.75	ug/l	97
78) n-propylbenzene	11.36	91	396533	20.68	ug/l	99
79) 2-Chlorotoluene	11.42	91	238317	20.47	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	291218	20.54	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	27244	18.82	ug/l	93
82) 4-Chlorotoluene	11.51	91	276986	20.30	ug/l	98
83) tert-Butylbenzene	11.77	119	280358	20.19	ug/l	95
84) 1,2,4-Trimethylbenzene	11.81	105	298684	20.70	ug/l	98
85) sec-Butylbenzene	11.95	105	340435	20.18	ug/l	100
86) p-Isopropyltoluene	12.07	119	305718	20.20	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	175986	19.29	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	178218	18.97	ug/l	99
89) n-Butylbenzene	12.39	91	250284	19.47	ug/l	99
90) Hexachloroethane	12.60	117	41393	19.24	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	177334	19.73	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	20292	20.62	ug/l	92

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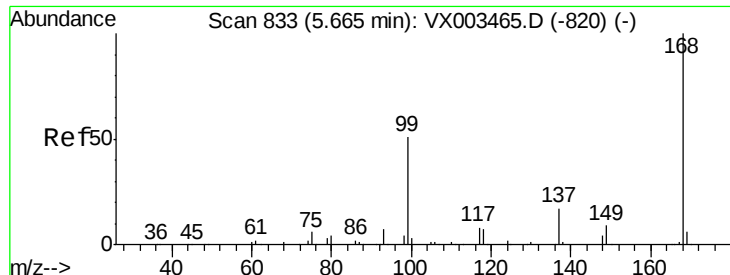
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	121950	18.51	ug/l	99
94) Hexachlorobutadiene	13.79	225	59025	18.63	ug/l	98
95) Naphthalene	13.84	128	352400	20.35	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	124405	19.07	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX003475.D

Acq: 19 Jul 2018 21:01

Instrument :

MSVOA_X

ClientSampleId :

VX0719WBSD01

Tot Ion:168 Resp: 311542

Ion Ratio Lower Upper

168 100

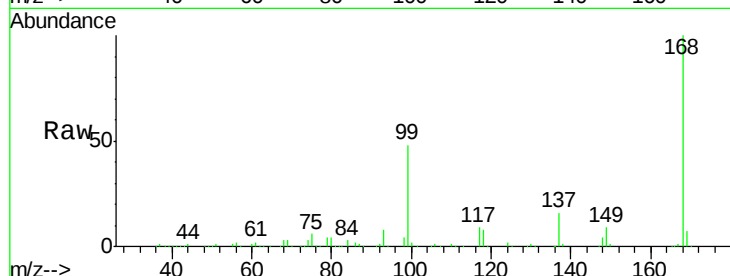
99 48.1 39.3 58.9

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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

120000

100000

80000

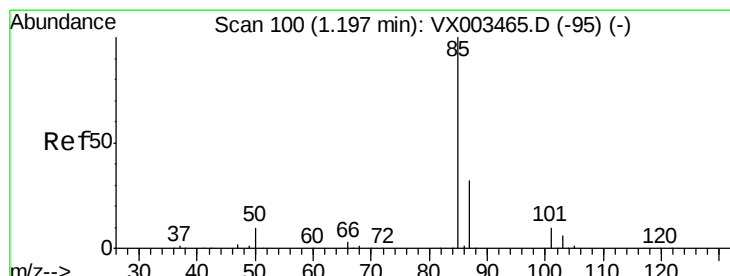
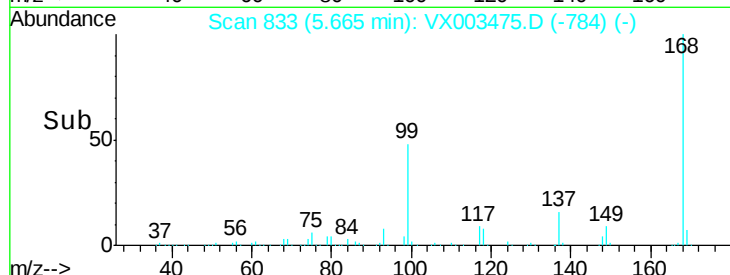
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 21.13 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003475.D

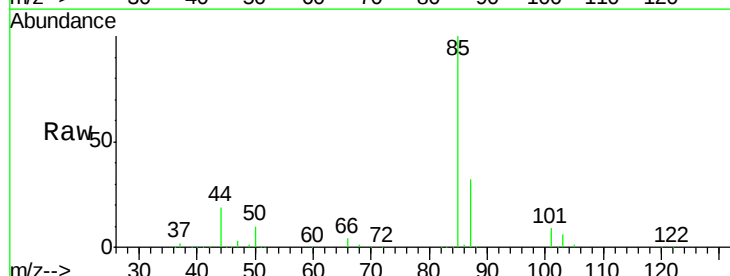
Acq: 19 Jul 2018 21:01

Tgt Ion: 85 Resp: 53288

Ion Ratio Lower Upper

85 100

87 32.4 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

60000

50000

40000

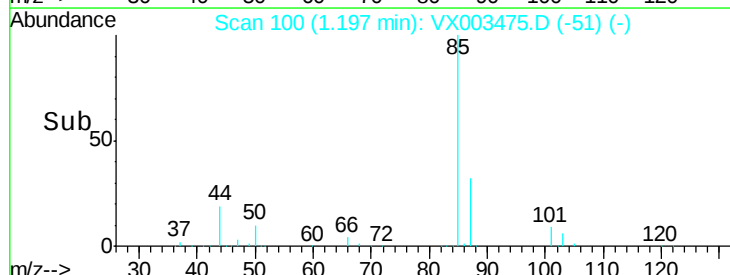
30000

20000

10000

0

Time-->





#3

Chloromethane

Concen: 21.67 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003475.D

Acq: 19 Jul 2018 21:01

Instrument :

MSVOA_X

ClientSampleId :

VX0719WBSD01

Tot Ion: 50 Resp: 68465

Ion Ratio Lower Upper

50 100

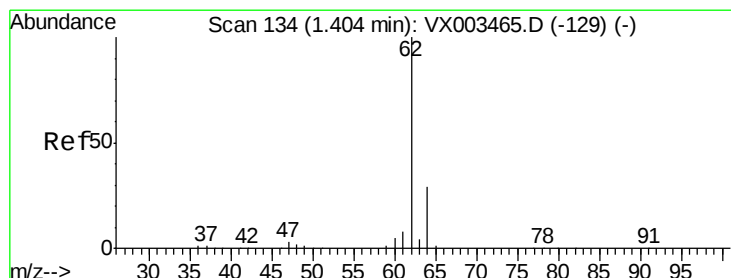
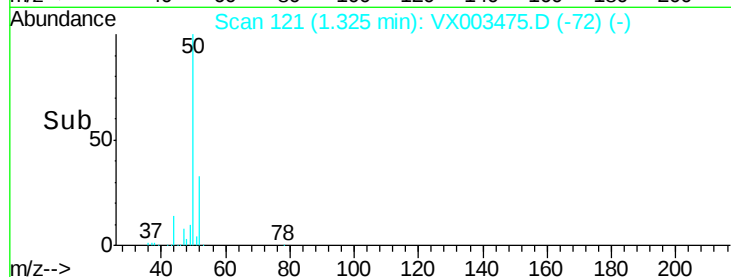
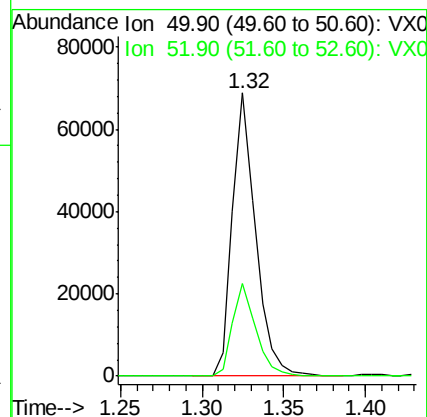
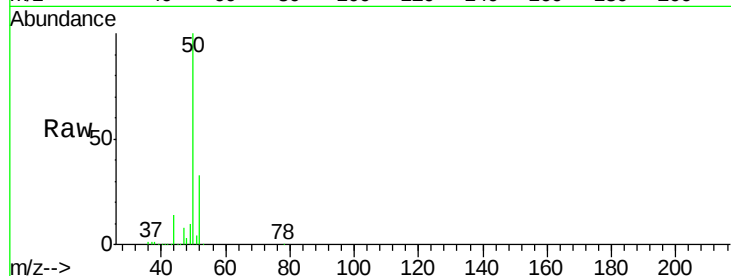
52 32.6 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.66 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX003475.D

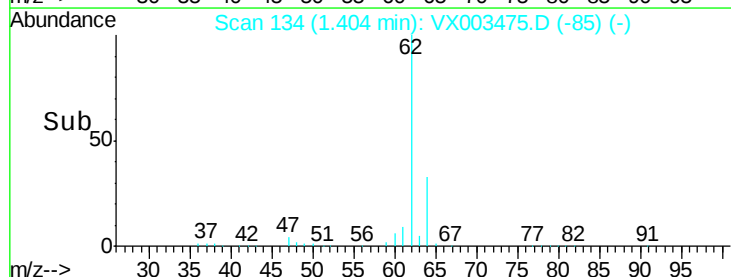
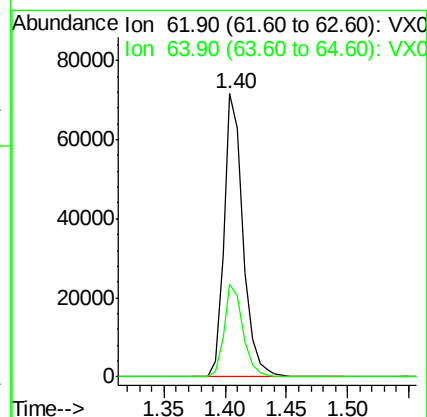
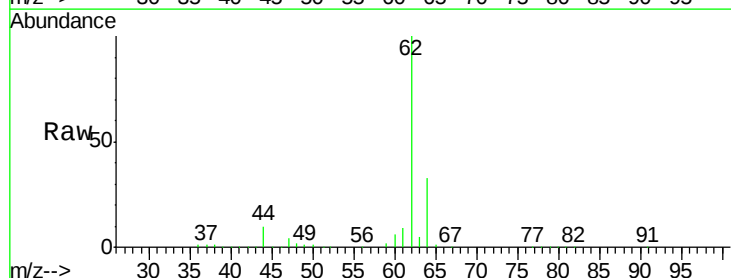
Acq: 19 Jul 2018 21:01

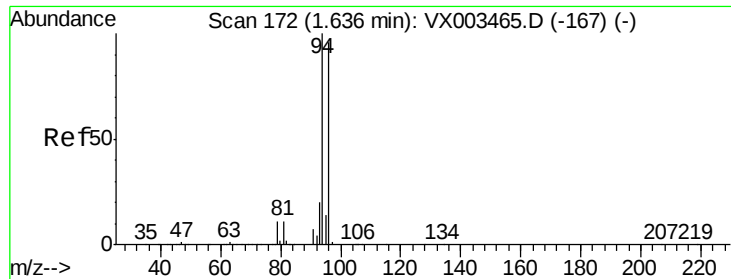
Tgt Ion: 62 Resp: 77790

Ion Ratio Lower Upper

62 100

64 32.9 25.4 38.2





#5

Bromomethane

Concen: 24.46 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003475.D

Acq: 19 Jul 2018 21:01

Instrument :

MSVOA_X

ClientSampleId :

VX0719WBSD01

Tot Ion: 94 Resp: 40511

Ion Ratio Lower Upper

94 100

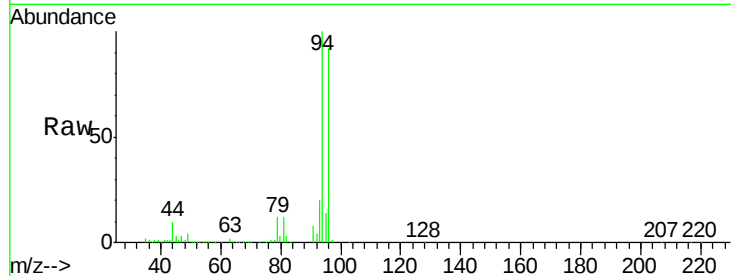
96 92.1 74.9 112.3

Manual Integrations

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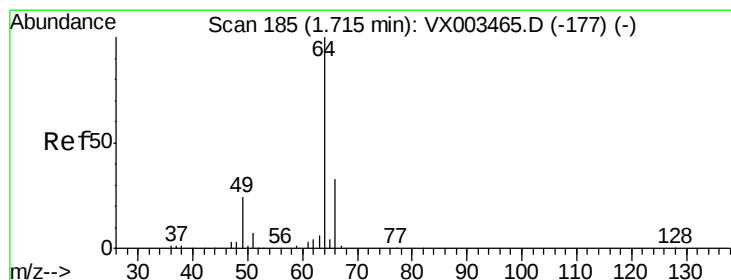
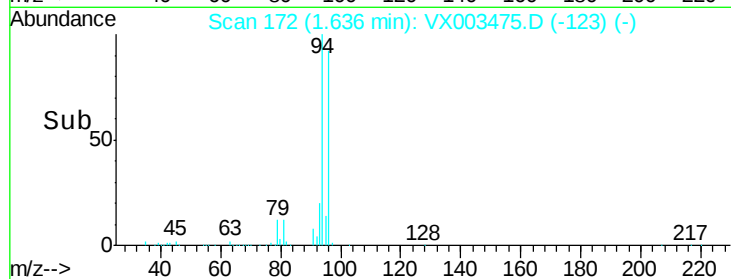
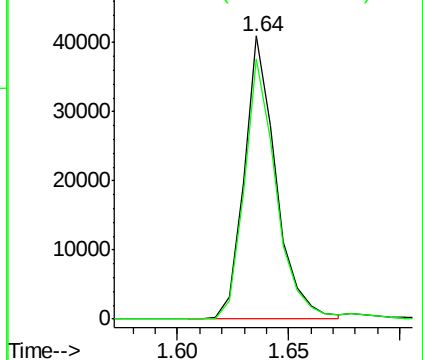
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 21.65 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX003475.D

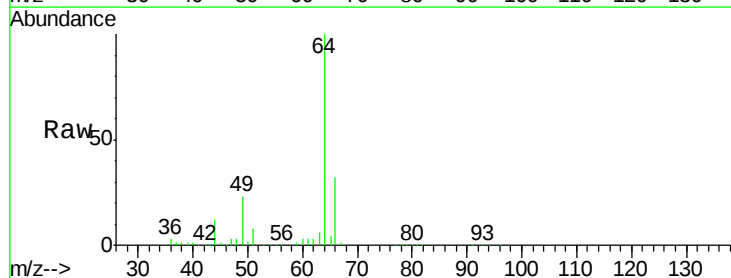
Acq: 19 Jul 2018 21:01

Tgt Ion: 64 Resp: 50696

Ion Ratio Lower Upper

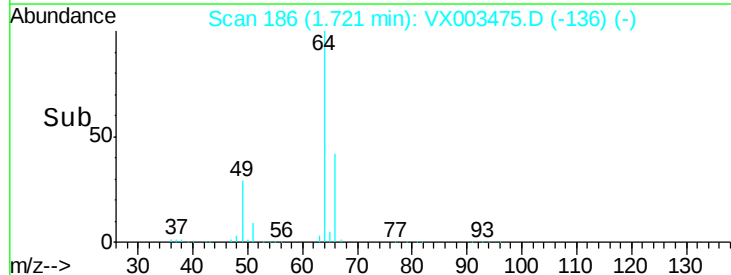
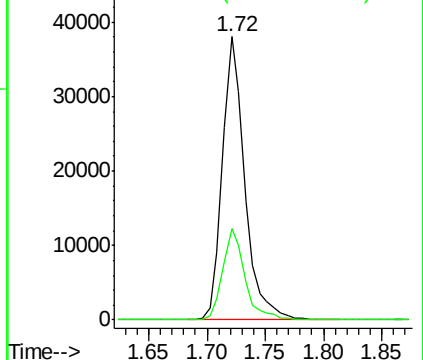
64 100

66 32.1 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

Trichlorofluoromethane

Concen: 20.38 ug/l

RT: 1.93 min Scan# 220

Delta R.T. -0.00 min

Lab File: VX003475.D

Acq: 19 Jul 2018 21:01

Instrument :

MSVOA_X

ClientSampleId :

VX0719WBSD01

Tot Ion:101 Resp: 107631

Ion Ratio Lower Upper

101 100

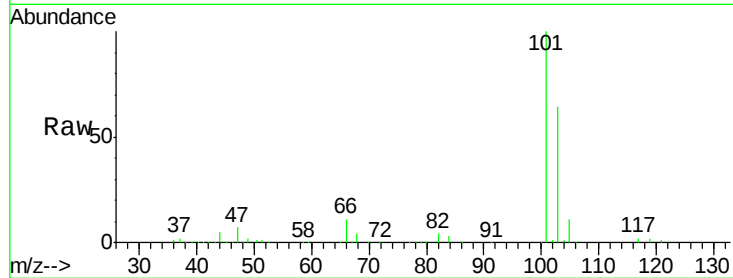
103 64.2 52.8 79.2

Manual Integrations

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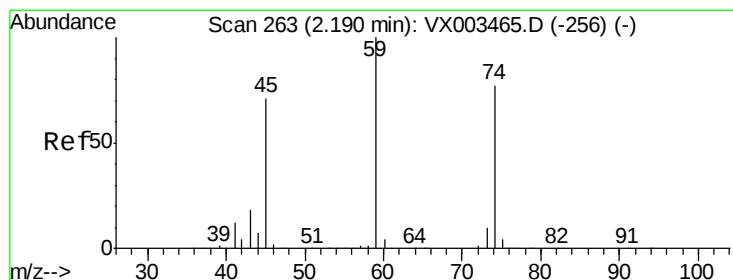
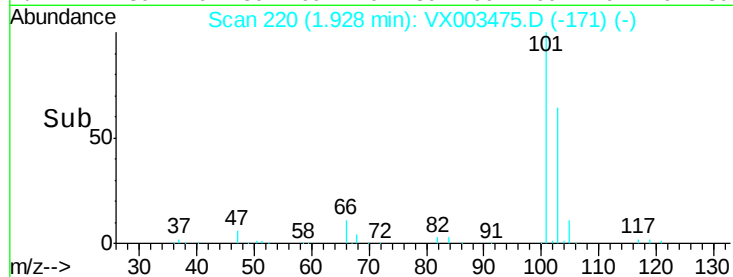
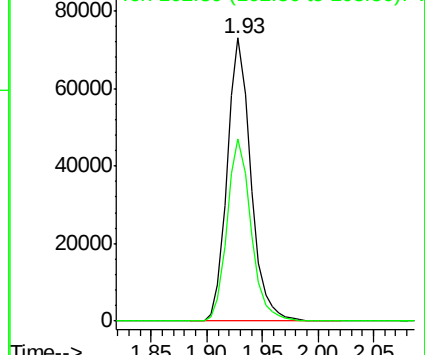
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 20.66 ug/l

RT: 2.19 min Scan# 263

Delta R.T. -0.00 min

Lab File: VX003475.D

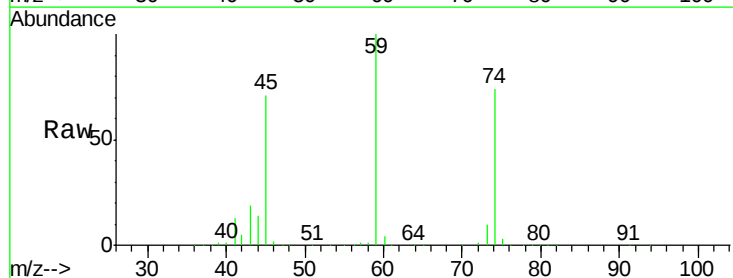
Acq: 19 Jul 2018 21:01

Tgt Ion: 74 Resp: 46849

Ion Ratio Lower Upper

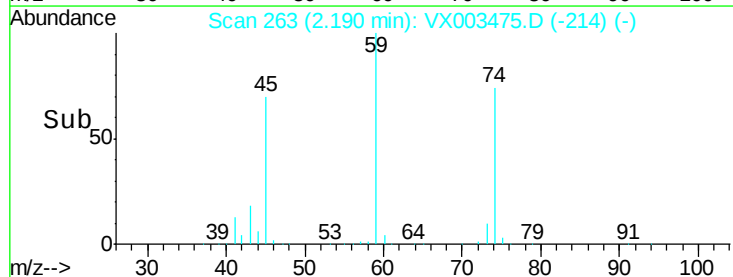
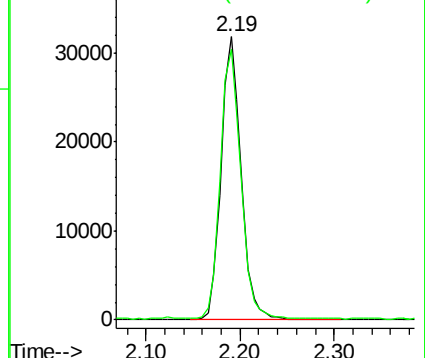
74 100

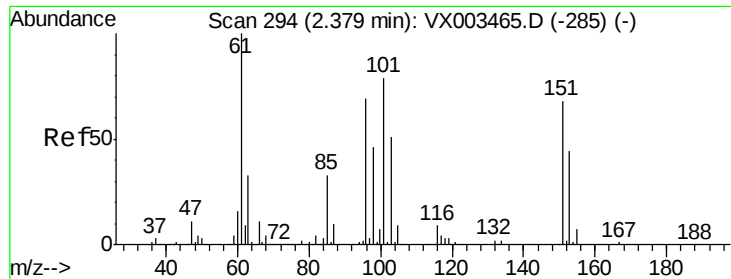
45 97.5 53.1 159.4



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.74 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX003475.D

Acq: 19 Jul 2018 21:01

Instrument :

MSVOA_X

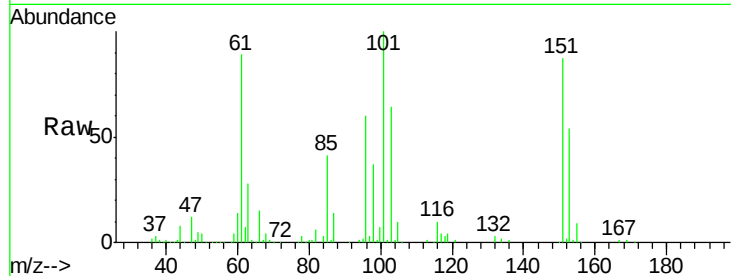
ClientSampleId :

VX0719WBSD01

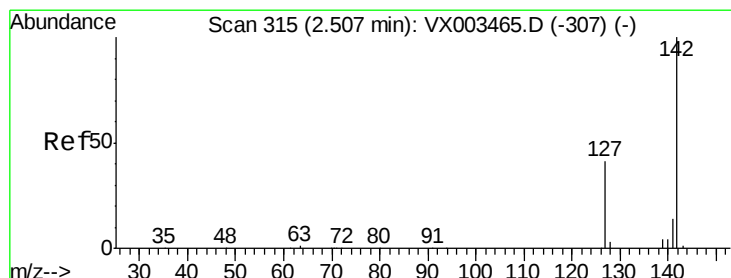
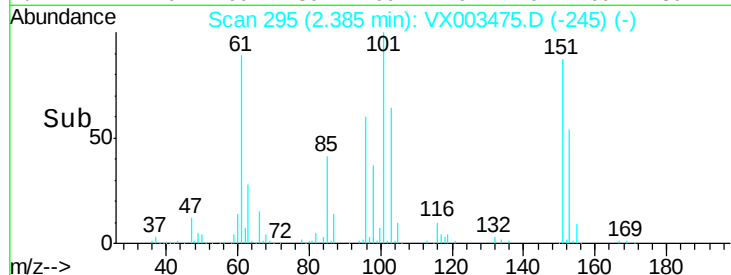
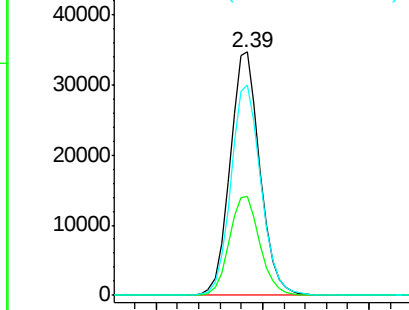
Tot Ion:	101	Resp:	68235
Ion Ratio	Lower	Upper	
101	100		
85	41.6	36.0	54.0
151	87.2	70.9	106.3

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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: 19.23 ug/l

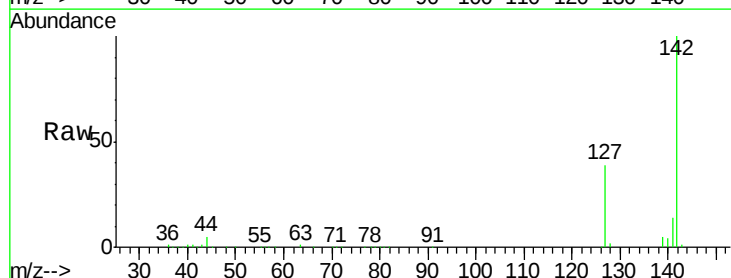
RT: 2.51 min Scan# 316

Delta R.T. 0.01 min

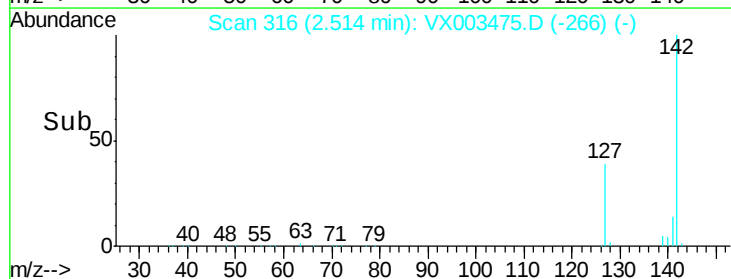
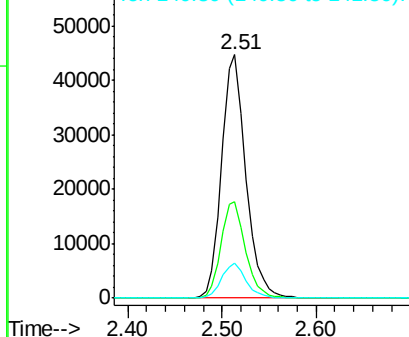
Lab File: VX003475.D

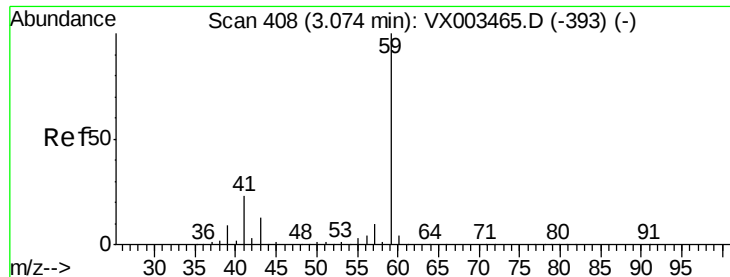
Acq: 19 Jul 2018 21:01

Tgt Ion:	142	Resp:	79830
Ion Ratio	Lower	Upper	
142	100		
127	40.0	36.6	55.0
141	14.3	11.3	16.9



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





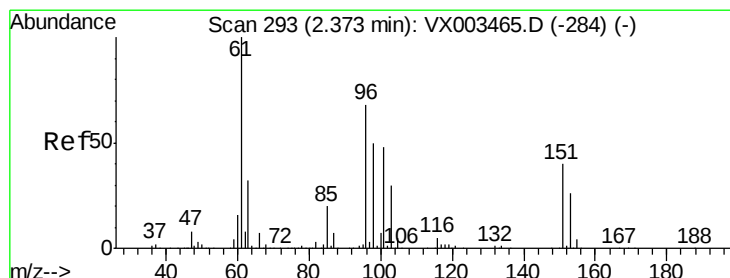
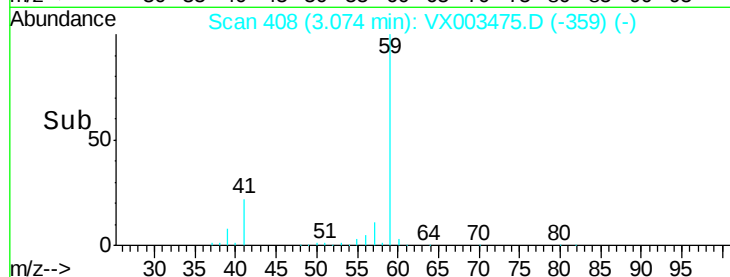
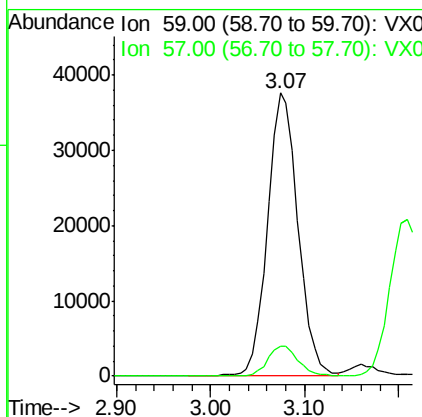
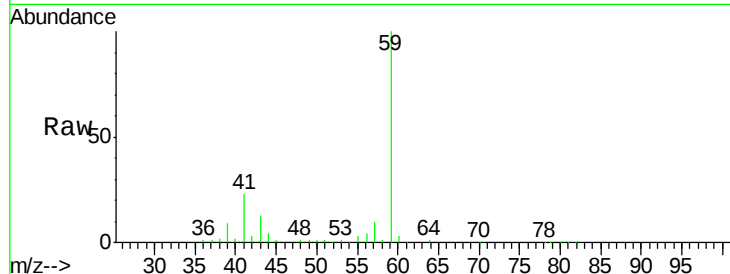
#11
Tert butyl alcohol
Concen: 116.66 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.00 min
Lab File: VX003475.D
Acq: 19 Jul 2018 21:01

Instrument :
MSVOA_X
ClientSampleId :
VX0719WBSD01

Tot Ion: 59 Resp: 85130
Ion Ratio Lower Upper
59 100
57 10.6 8.2 12.2

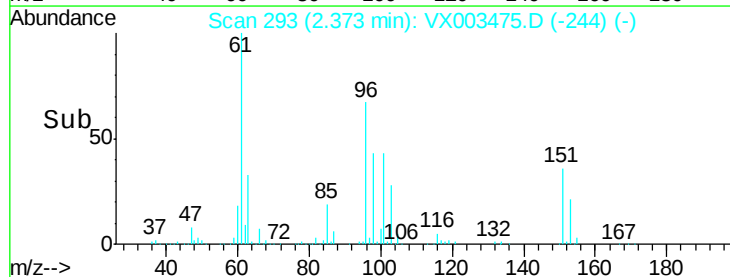
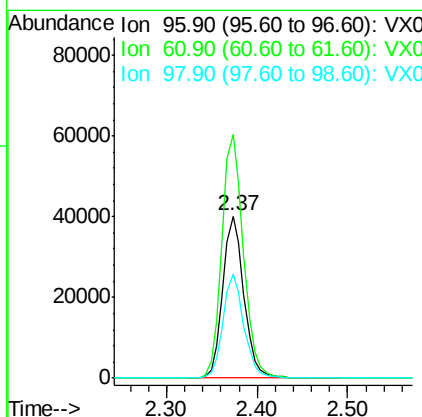
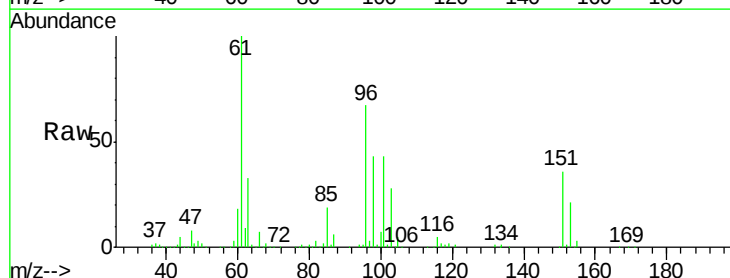
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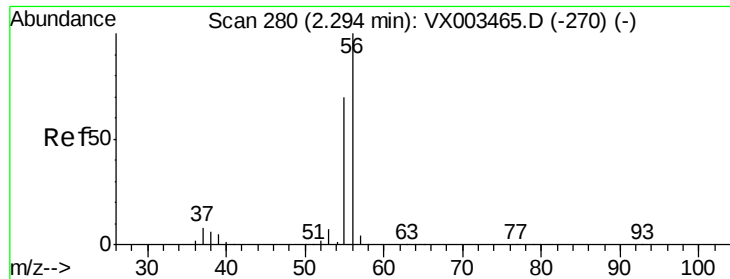
MMDadoda
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#12
1,1-Dichloroethene
Concen: 20.53 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.00 min
Lab File: VX003475.D
Acq: 19 Jul 2018 21:01

Tgt Ion: 96 Resp: 65323
Ion Ratio Lower Upper
96 100
61 150.4 137.9 206.9
98 64.2 51.6 77.4





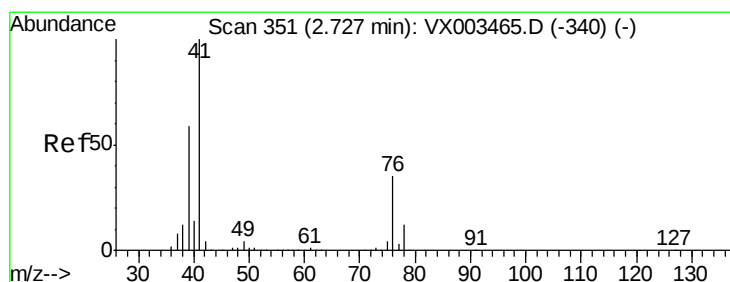
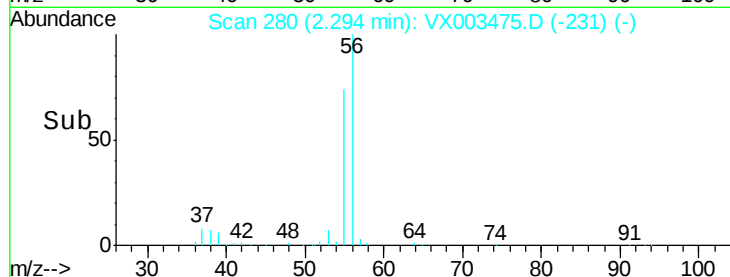
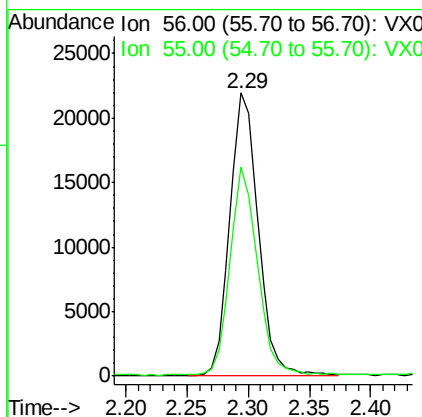
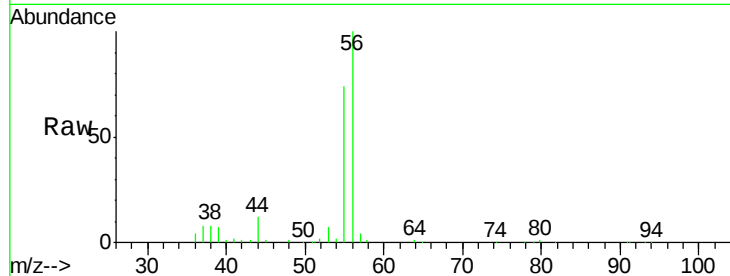
#13
Acrolein
Concen: 107.31 ug/l
RT: 2.29 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX003475.D
Acq: 19 Jul 2018 21:01

Instrument :
MSVOA_X
ClientSampleId :
VX0719WBSD01

Tot Ion	56	Resp	35382
Ion Ratio	100	Lower	Upper
56	100		
55	70.7	57.0	85.4

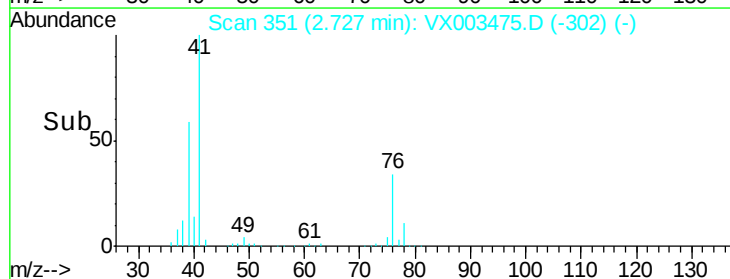
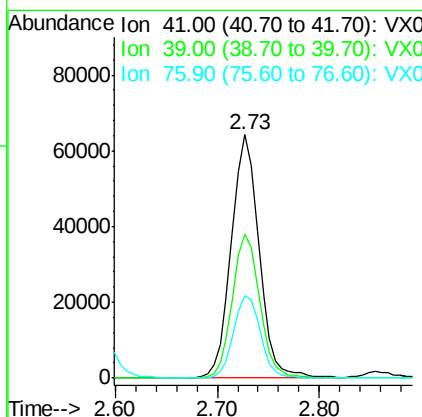
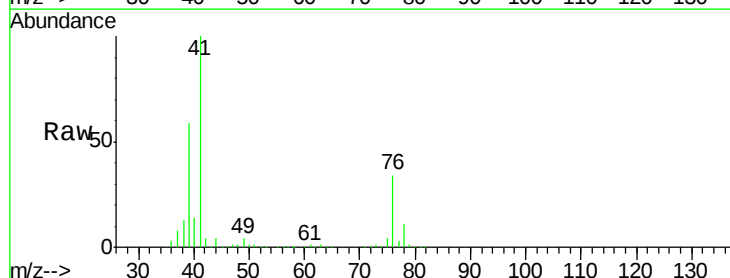
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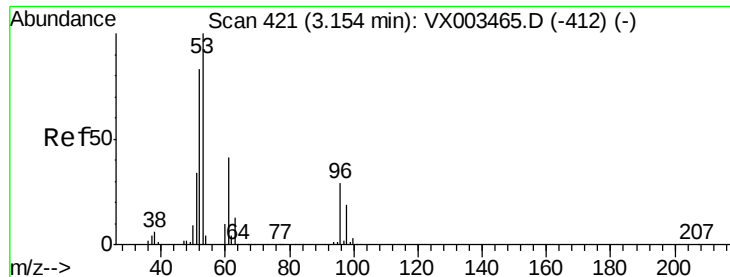
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#14
Allyl chloride
Concen: 21.44 ug/l
RT: 2.73 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX003475.D
Acq: 19 Jul 2018 21:01

Tgt Ion	41	Resp	120743
Ion Ratio	100	Lower	Upper
41	100		
39	57.6	56.8	85.2
76	33.2	23.8	35.8





#15

Acrylonitrile

Concen: 108.11 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX003475.D

Acq: 19 Jul 2018 21:01

Instrument :

MSVOA_X

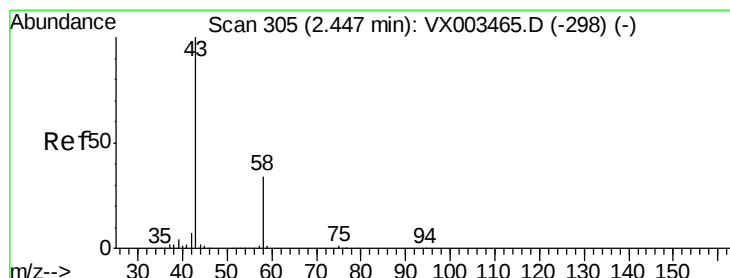
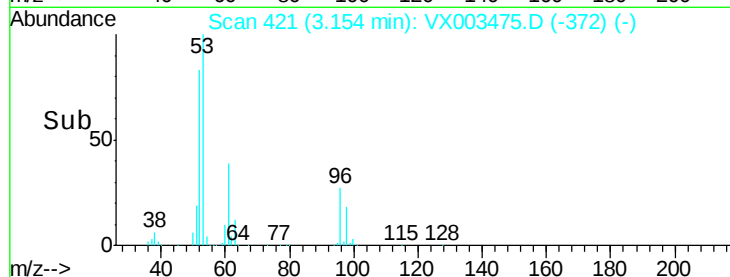
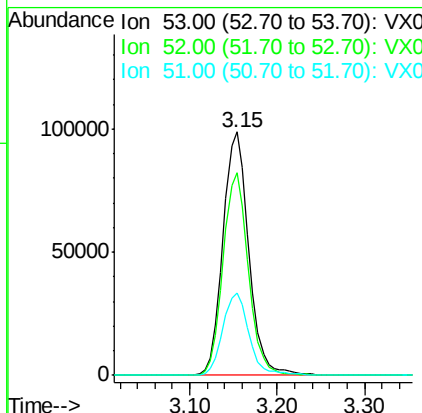
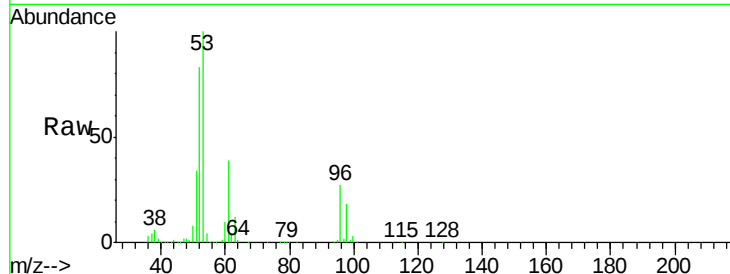
ClientSampleId :

VX0719WBSD01

Tot Ion:	53	Resp:	200858
Ion Ratio	Lower	Upper	
53	100		
52	81.8	66.7	100.1
51	34.5	29.9	44.9

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#16

Acetone

Concen: 113.17 ug/l

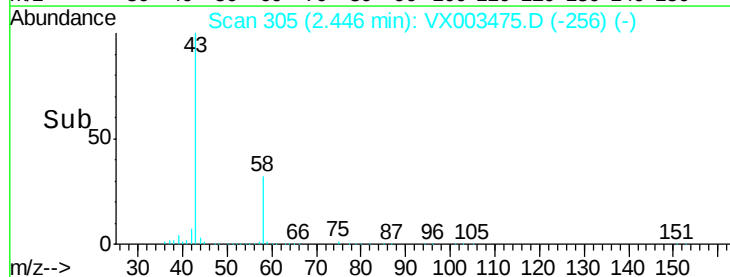
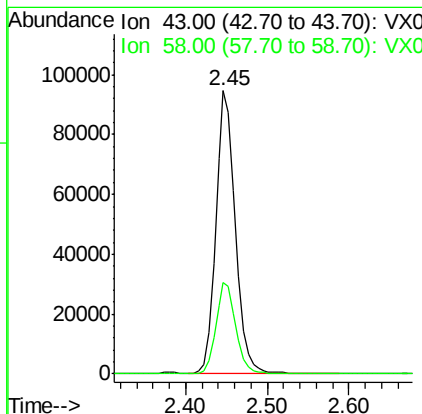
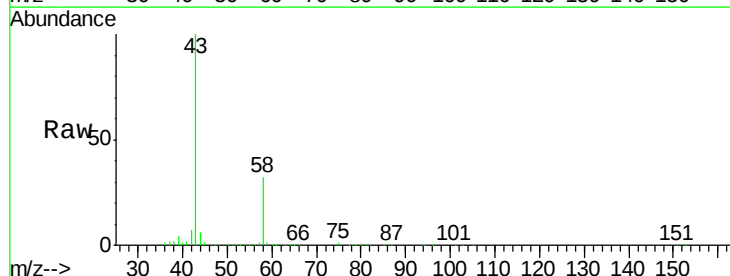
RT: 2.45 min Scan# 305

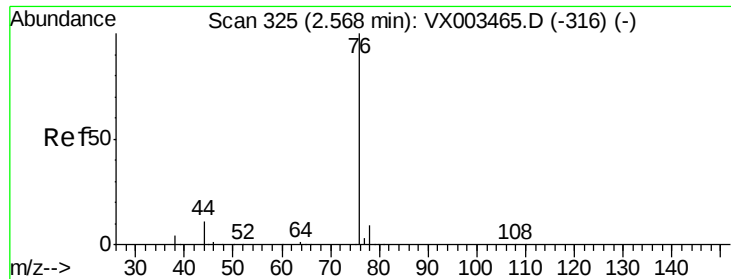
Delta R.T. -0.00 min

Lab File: VX003475.D

Acq: 19 Jul 2018 21:01

Tgt Ion:	43	Resp:	157647
Ion Ratio	Lower	Upper	
43	100		
58	32.4	22.1	33.1





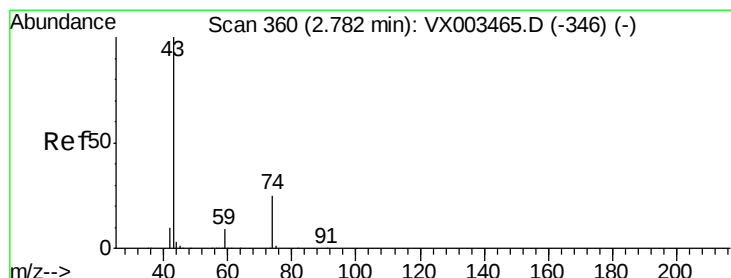
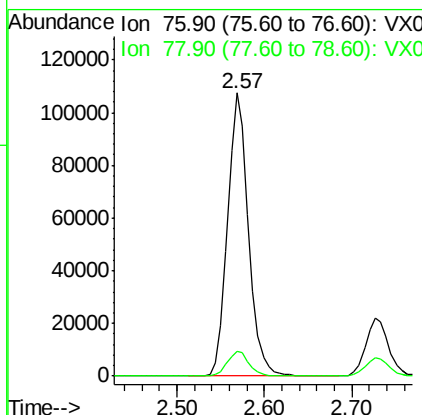
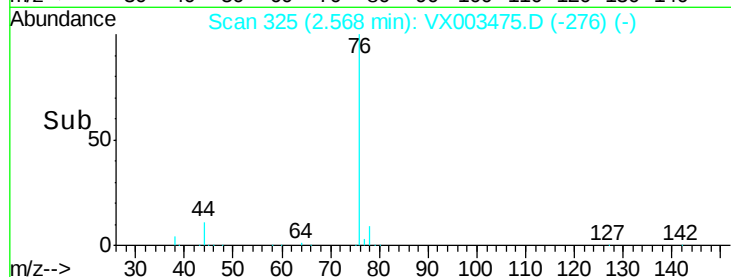
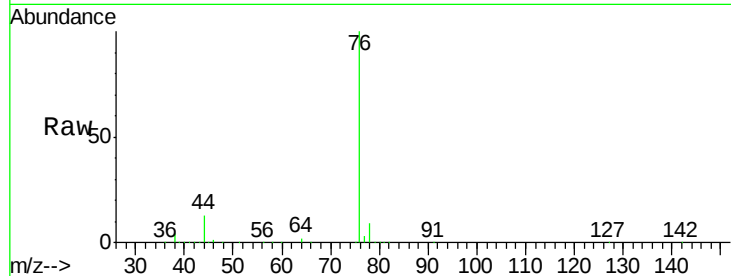
#17
Carbon Disulfide
Concen: 20.65 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX003475.D
Acq: 19 Jul 2018 21:01

Instrument :
MSVOA_X
ClientSampleId :
VX0719WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	6.9	10.3

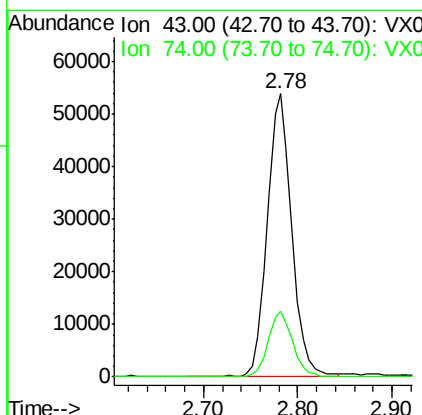
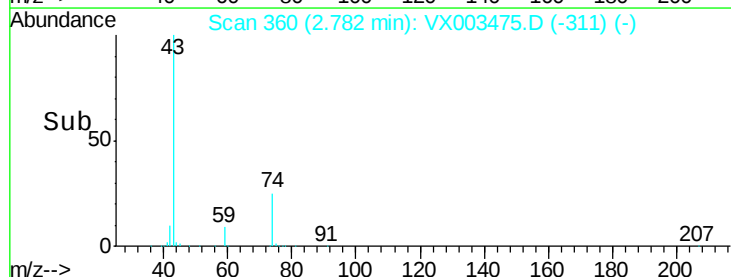
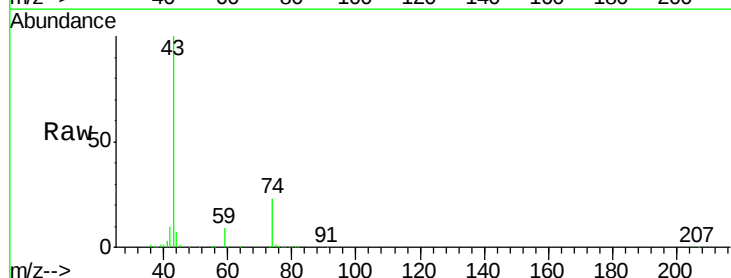
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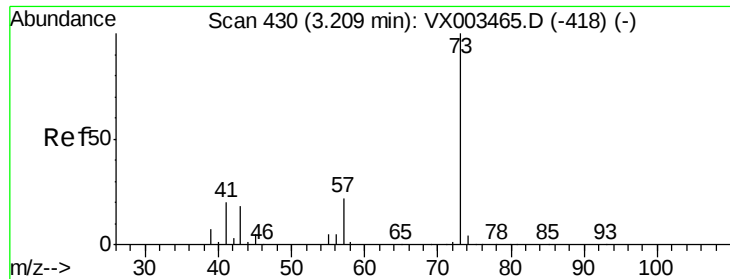
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#18
Methyl Acetate
Concen: 22.20 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX003475.D
Acq: 19 Jul 2018 21:01

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.4	16.7	25.1





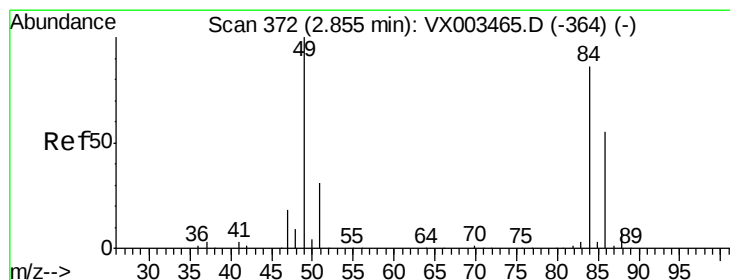
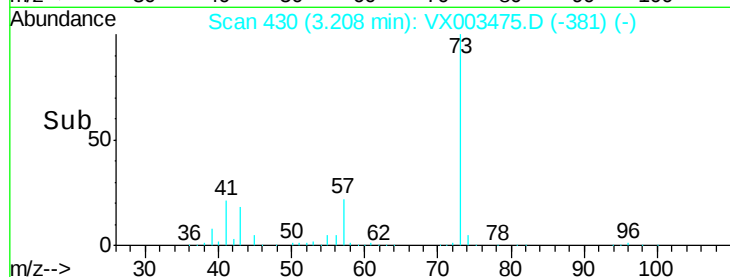
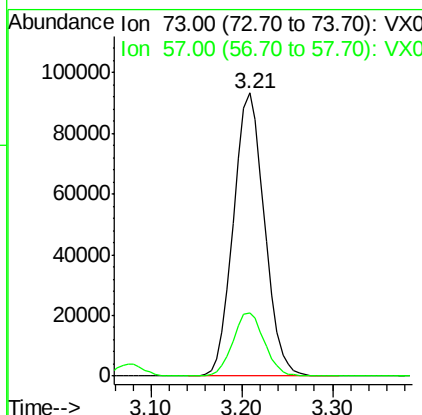
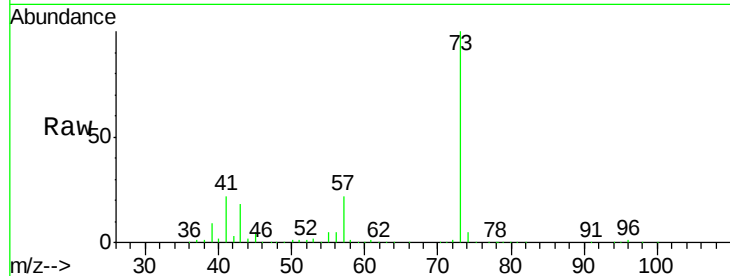
#19
Methvl tert-butvl Ether
Concen: 21.39 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.00 min
Lab File: VX003475.D
Acq: 19 Jul 2018 21:01

Instrument :
MSVOA_X
ClientSampleId :
VX0719WBSD01

Tot Ion: 73 Resp: 222280
Ion Ratio Lower Upper
73 100
57 22.2 17.7 26.5

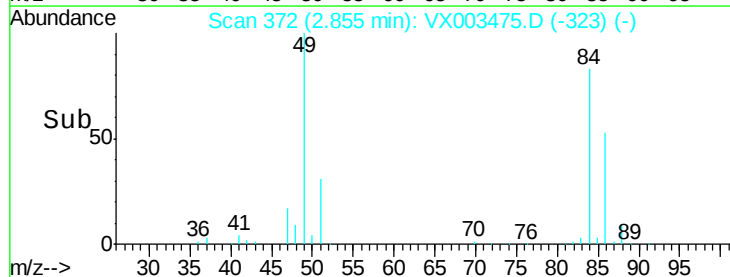
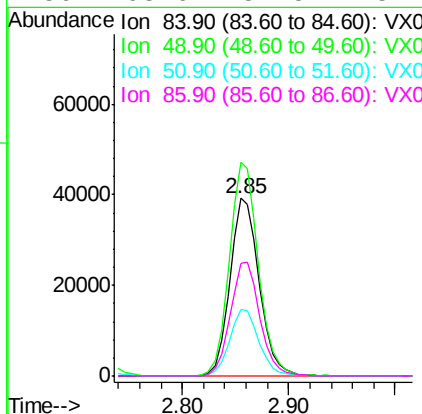
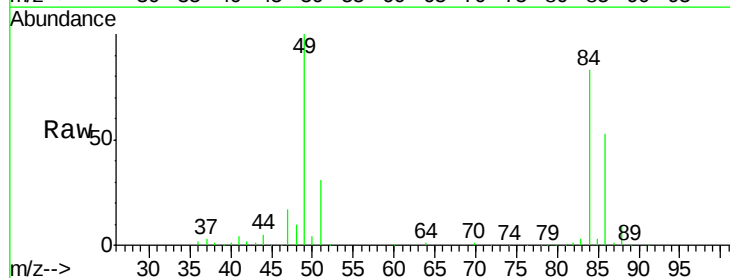
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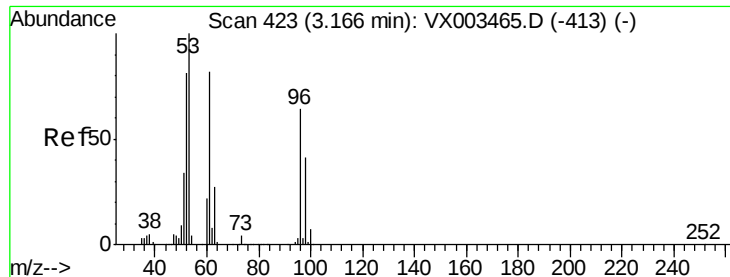
MMDadoda
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#20
Methylene Chloride
Concen: 21.72 ug/l
RT: 2.85 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003475.D
Acq: 19 Jul 2018 21:01

Tgt Ion: 84 Resp: 75646
Ion Ratio Lower Upper
84 100
49 120.1 107.8 161.6
51 37.2 32.8 49.2
86 63.6 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 19.98 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.01 min

Lab File: VX003475.D

Acq: 19 Jul 2018 21:01

Instrument :

MSVOA_X

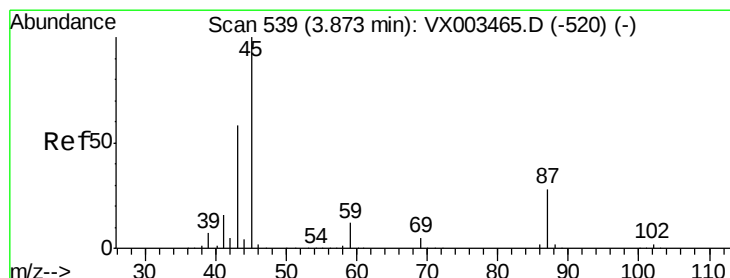
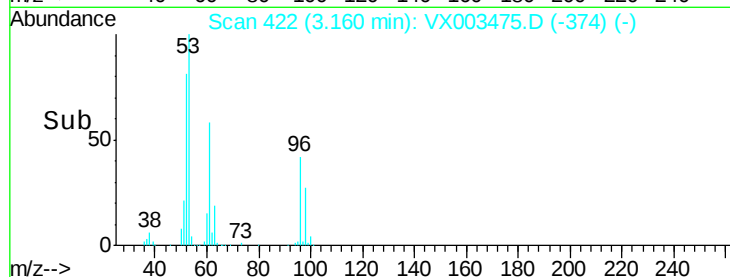
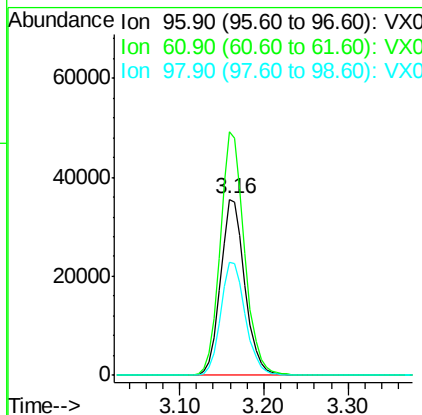
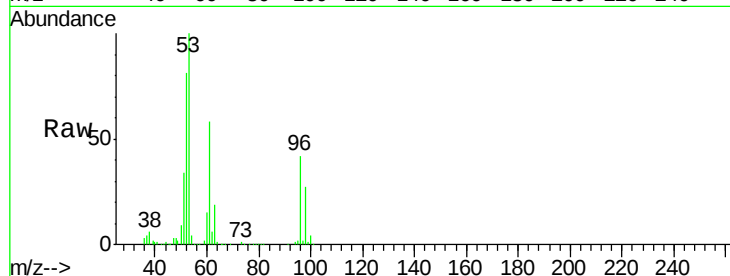
ClientSampleId :

VX0719WBSD01

Tot Ion:	96	Resp:	70736
Ion	Ratio	Lower	Upper
96	100		
61	138.1	117.0	175.4
98	63.9	52.4	78.6

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#22

Diisopropyl ether

Concen: 21.23 ug/l

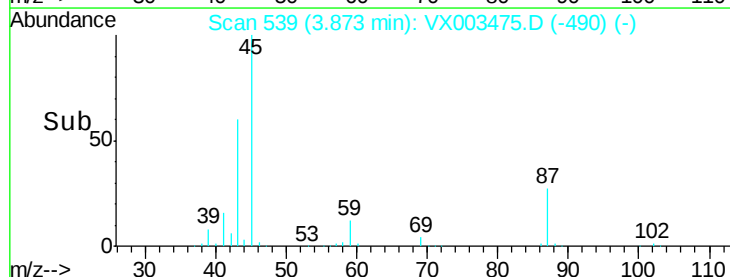
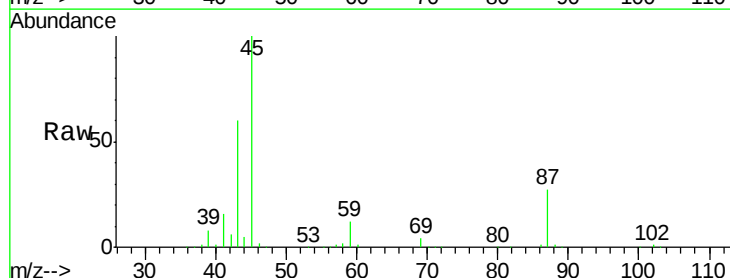
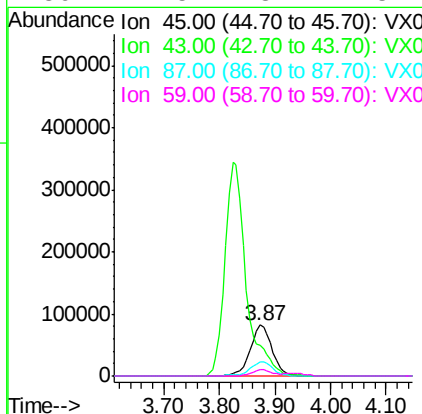
RT: 3.87 min Scan# 539

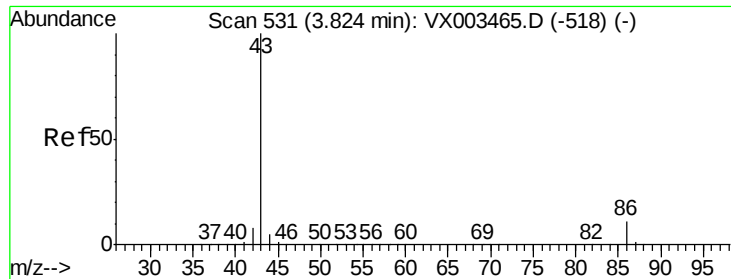
Delta R.T. -0.00 min

Lab File: VX003475.D

Acq: 19 Jul 2018 21:01

Tgt Ion:	45	Resp:	224993
Ion	Ratio	Lower	Upper
45	100		
43	59.8	46.8	70.2
87	27.5	20.2	30.4
59	11.5	8.7	13.1





#23

Vinyl Acetate

Concen: 103.94 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.00 min

Lab File: VX003475.D

Acq: 19 Jul 2018 21:01

Instrument :

MSVOA_X

ClientSampleId :

VX0719WBSD01

Tot Ion: 43 Resp: 907443

Ion Ratio Lower Upper

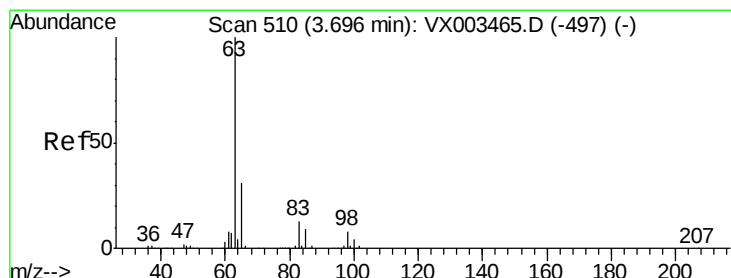
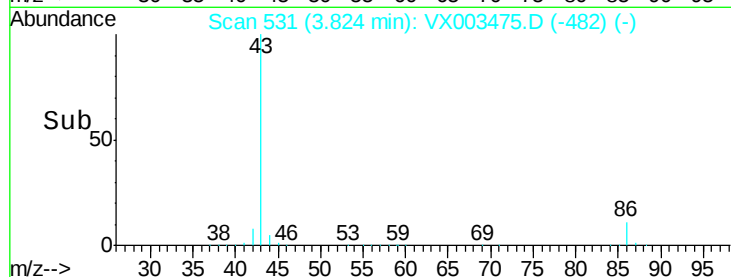
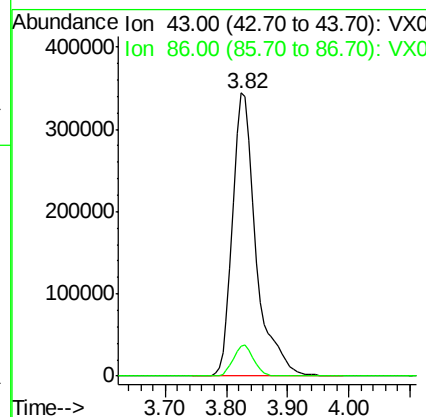
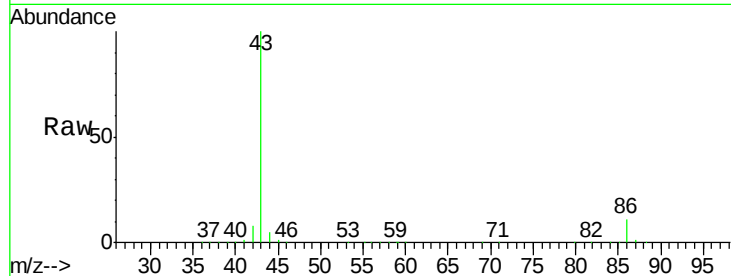
43 100

86 10.8 7.4 11.0

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#24

1,1-Dichloroethane

Concen: 21.21 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX003475.D

Acq: 19 Jul 2018 21:01

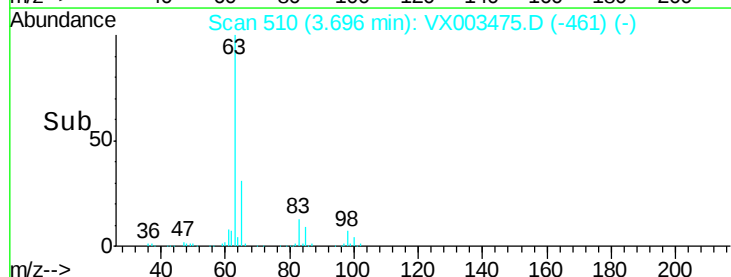
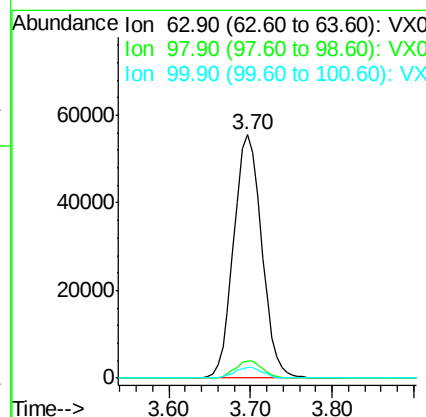
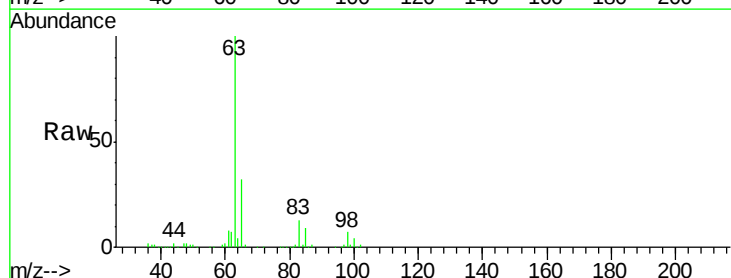
Tgt Ion: 63 Resp: 131892

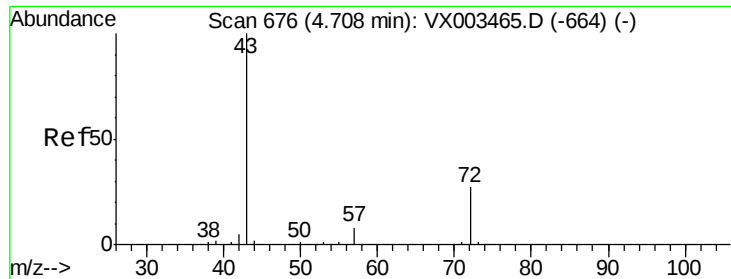
Ion Ratio Lower Upper

63 100

98 7.3 3.4 10.2

100 4.3 2.0 6.0





#25

2-Butanone

Concen: 107.38 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.00 min

Lab File: VX003475.D

Acq: 19 Jul 2018 21:01

Instrument :

MSVOA_X

ClientSampleId :

VX0719WBSD01

Tot Ion: 43 Resp: 250965

Ion Ratio Lower Upper

43 100

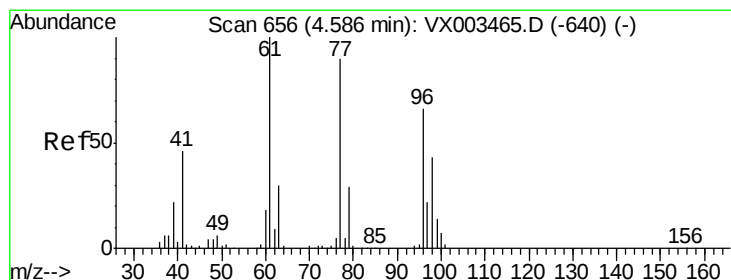
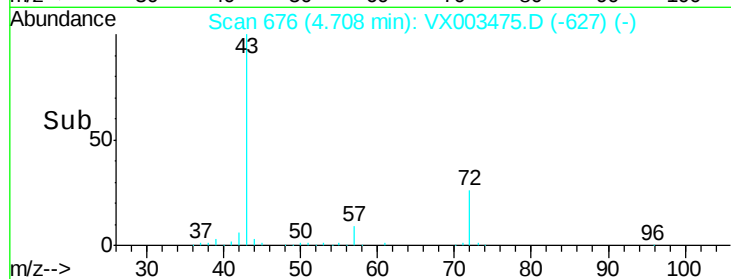
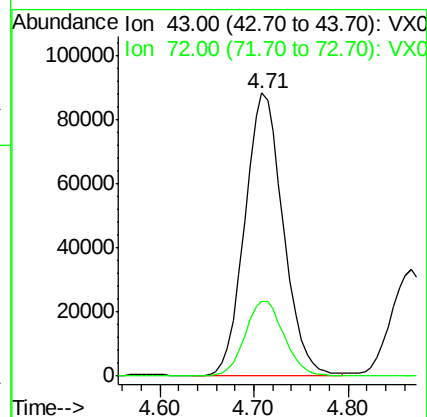
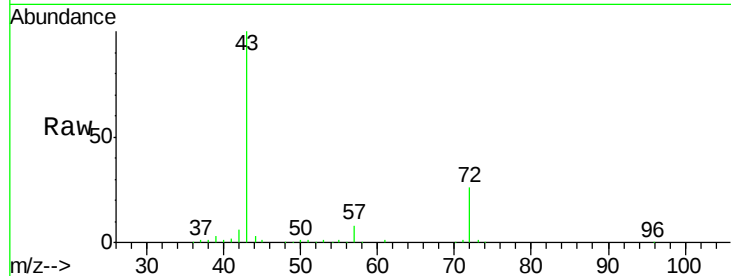
72 26.3 18.5 27.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.49 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX003475.D

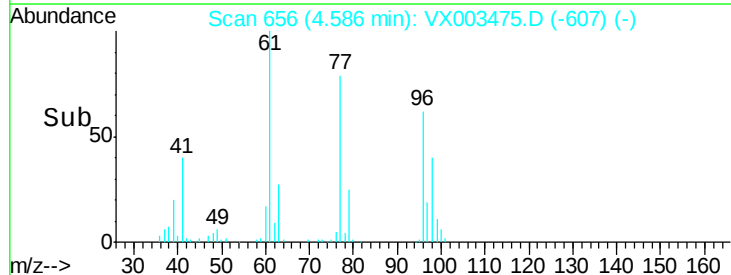
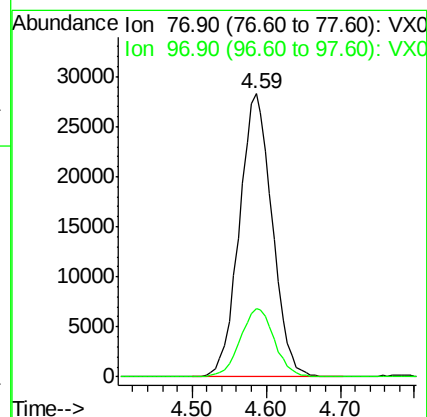
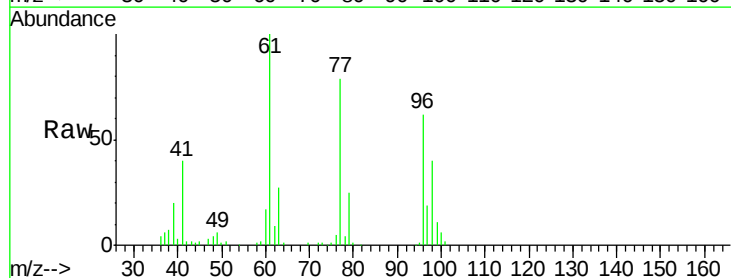
Acq: 19 Jul 2018 21:01

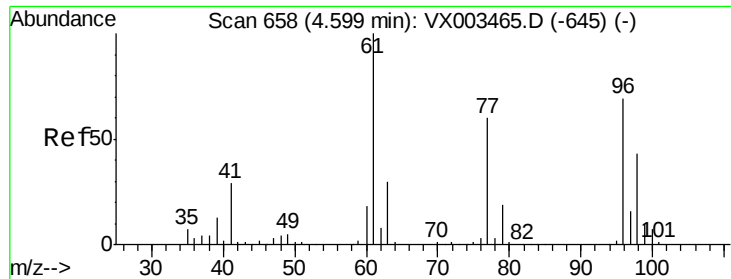
Tgt Ion: 77 Resp: 87353

Ion Ratio Lower Upper

77 100

97 25.0 11.2 33.5





#27

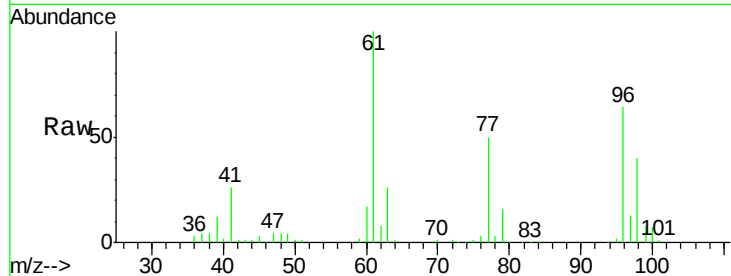
cis-1,2-Dichloroethene
 Concen: 20.06 ug/l
 RT: 4.60 min Scan# 658
 Delta R.T. -0.00 min
 Lab File: VX003475.D
 Acq: 19 Jul 2018 21:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0719WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	184.0	0.0	330.2
98	64.9	0.0	130.2

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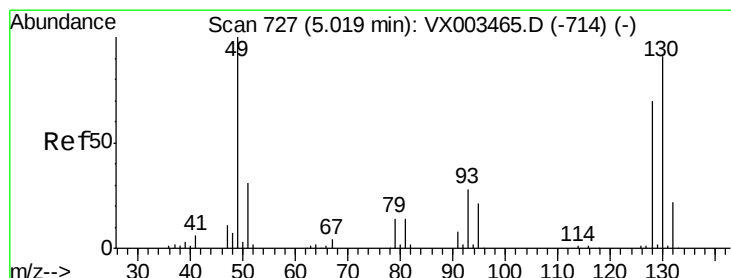
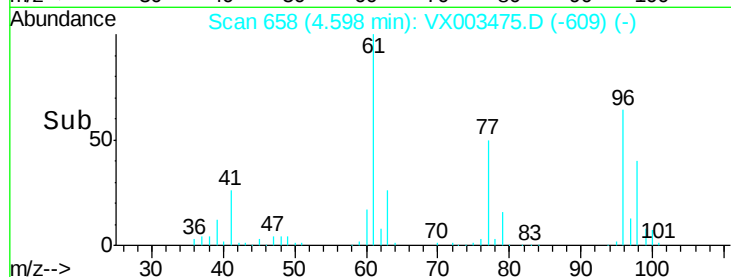
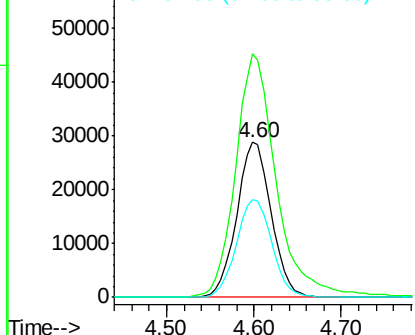


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

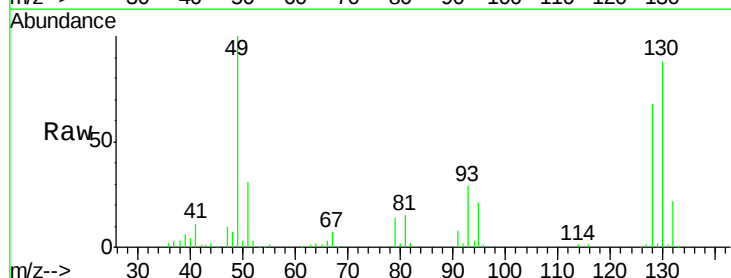
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane
 Concen: 21.74 ug/l
 RT: 5.03 min Scan# 728
 Delta R.T. 0.01 min
 Lab File: VX003475.D
 Acq: 19 Jul 2018 21:01

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	87.0	61.2	91.8

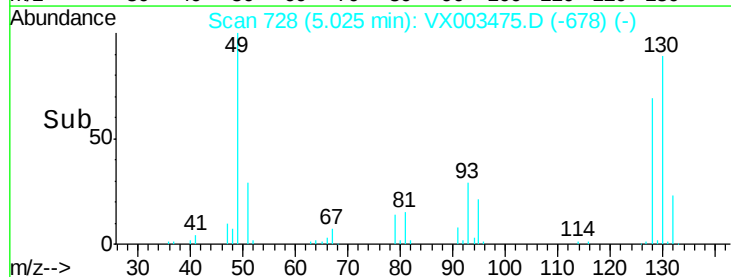
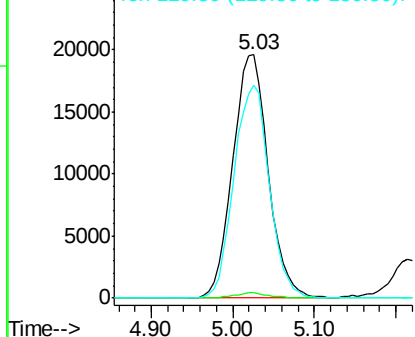


Abundance

Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





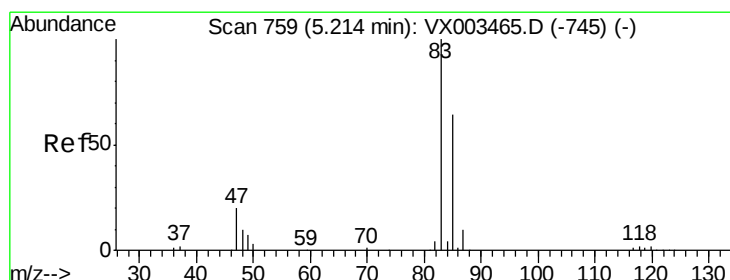
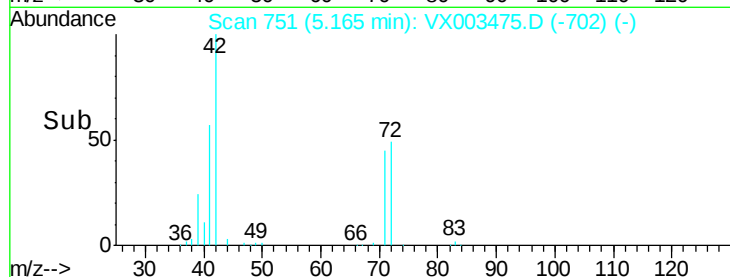
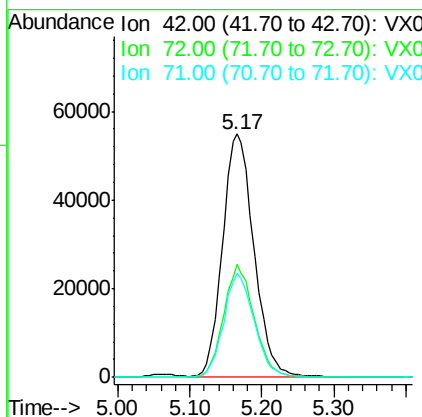
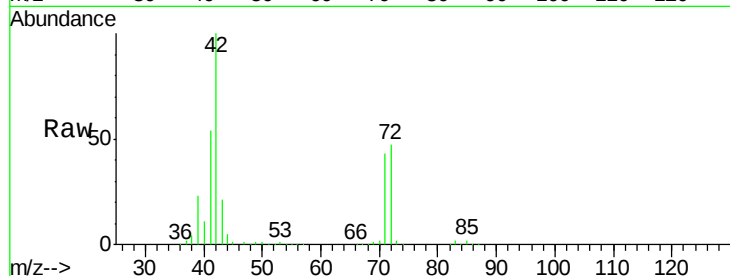
#29
Tetrahydrofuran
Concen: 106.78 ug/l
RT: 5.17 min Scan# 751
Delta R.T. -0.00 min
Lab File: VX003475.D
Acq: 19 Jul 2018 21:01

Instrument :
MSVOA_X
ClientSampleId :
VX0719WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.4	32.0	48.0
71	42.0	30.1	45.1

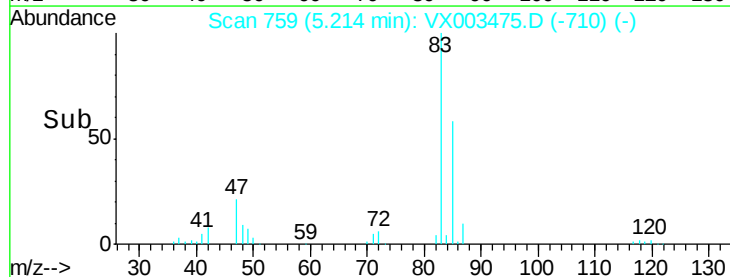
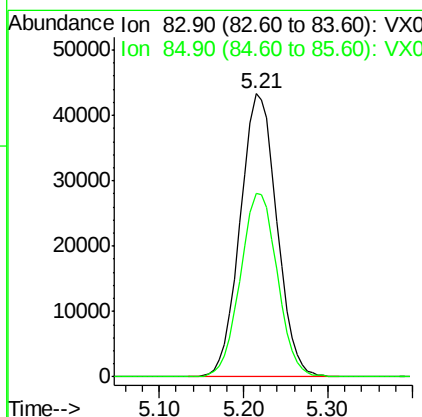
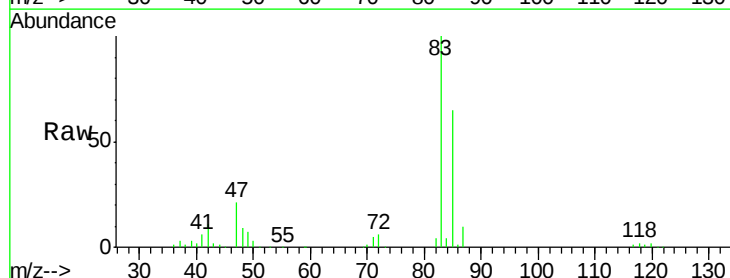
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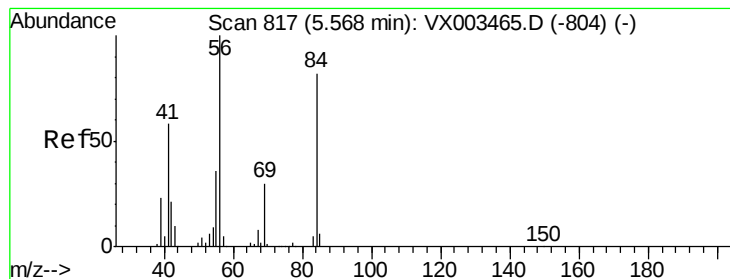
MMDadoda
7/20/2018 5:22:14 PM



#30
Chloroform
Concen: 21.03 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX003475.D
Acq: 19 Jul 2018 21:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	50.4	75.6





#31

Cyclohexane

Concen: 20.17 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.01 min

Lab File: VX003475.D

Acq: 19 Jul 2018 21:01

Instrument :

MSVOA_X

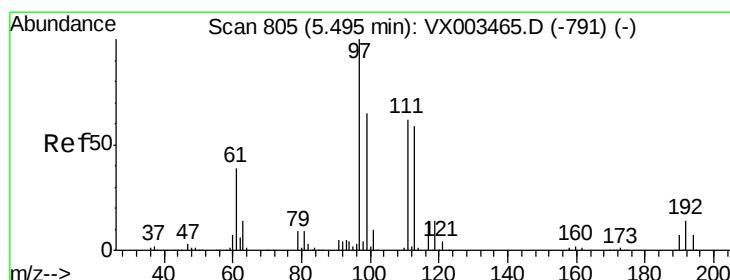
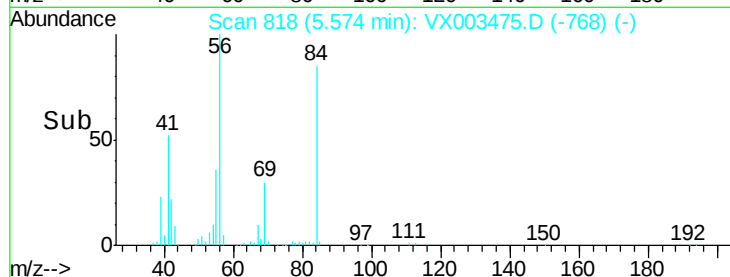
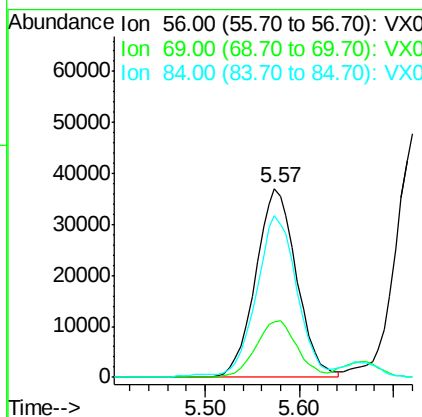
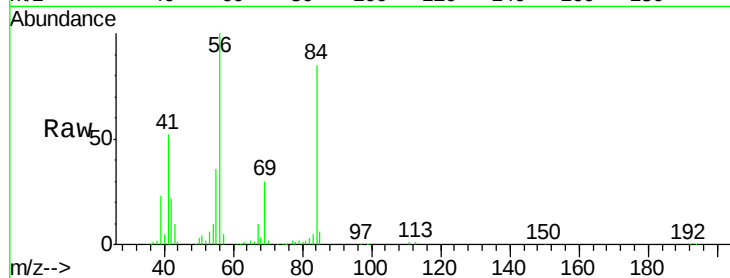
ClientSampleId :

VX0719WBSD01

Tot Ion:	56	Resp:	112049
Ion	Ratio	Lower	Upper
56	100		
69	29.6	23.7	35.5
84	84.4	64.1	96.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.75 ug/l

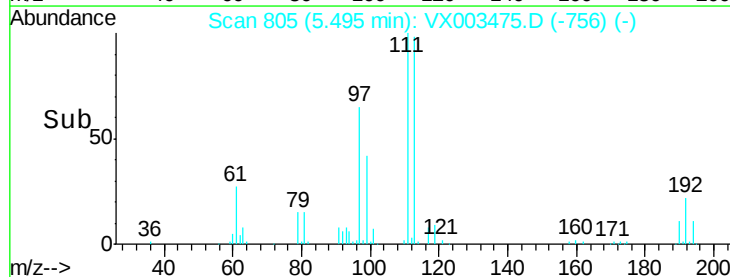
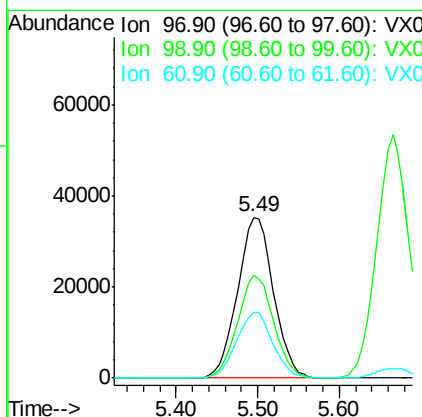
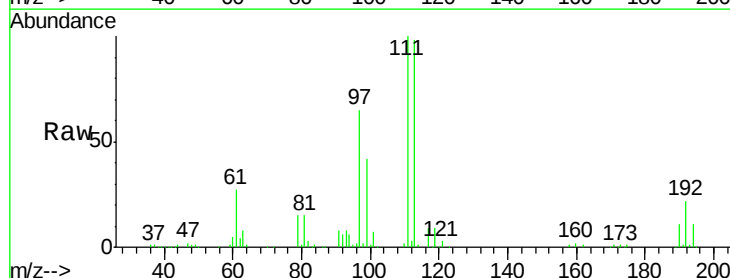
RT: 5.49 min Scan# 805

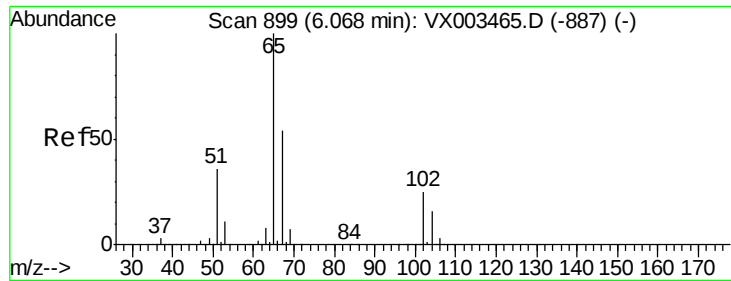
Delta R.T. -0.00 min

Lab File: VX003475.D

Acq: 19 Jul 2018 21:01

Tgt Ion:	97	Resp:	107909
Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.6	77.4
61	41.3	36.4	54.6





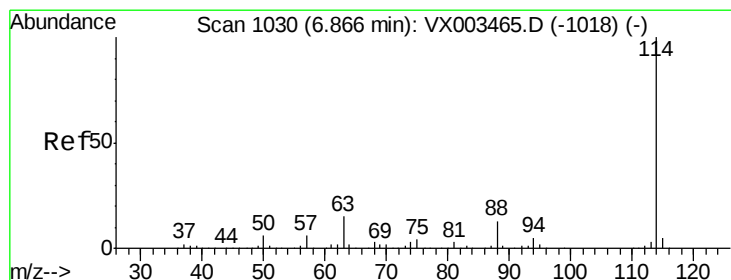
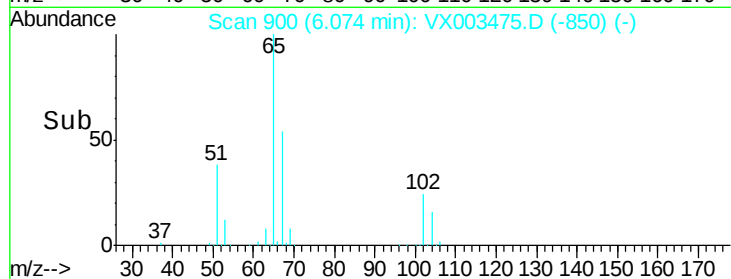
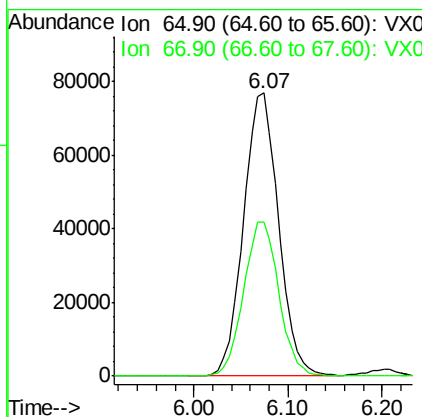
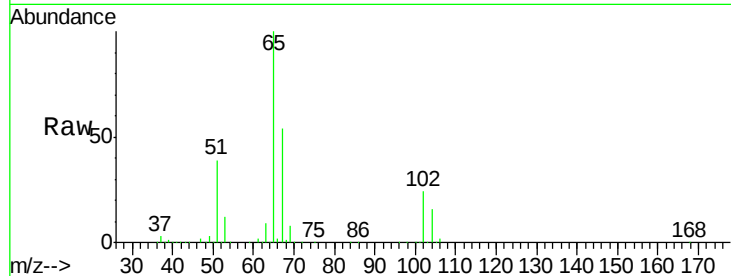
#33
 1,2-Dichloroethane-d4
 Concen: 54.14 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX003475.D
 Acq: 19 Jul 2018 21:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0719WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	199649		
67	54.8	0.0	102.6	

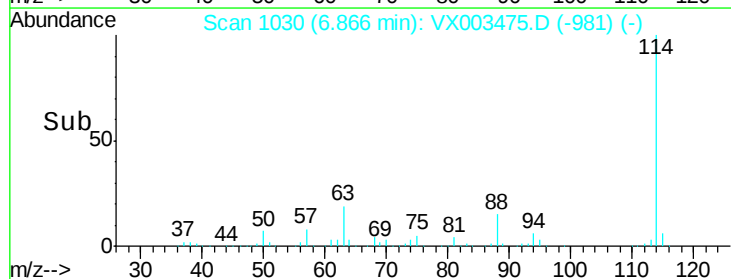
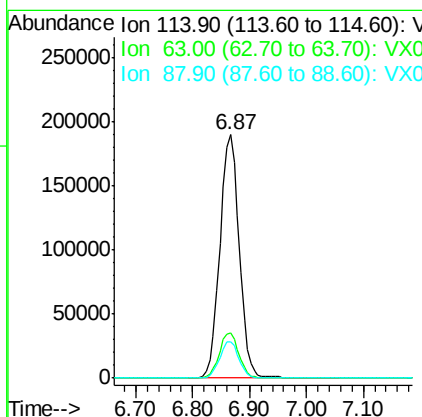
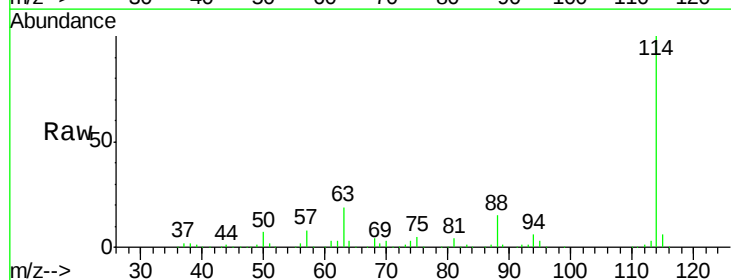
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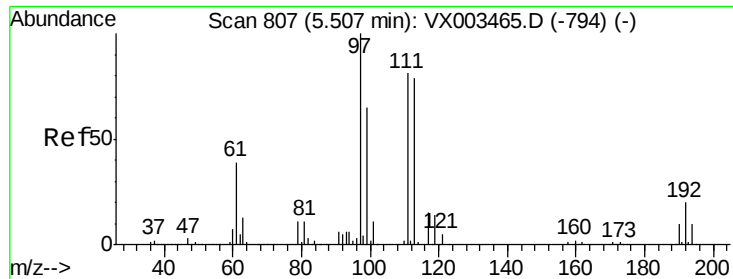
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX003475.D
 Acq: 19 Jul 2018 21:01

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	448144		
63	18.7	0.0	41.4	
88	15.1	0.0	30.0	





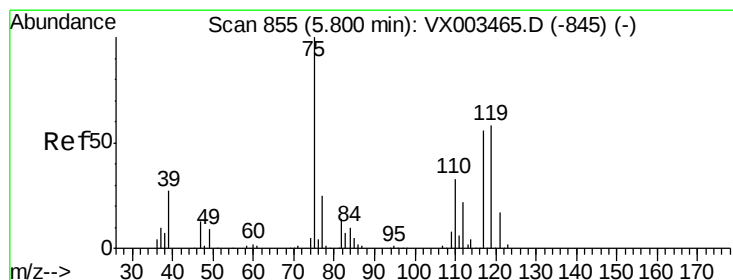
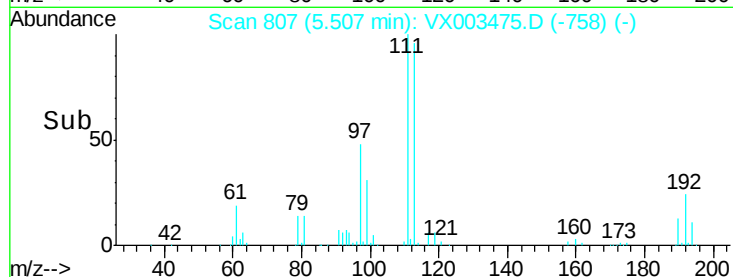
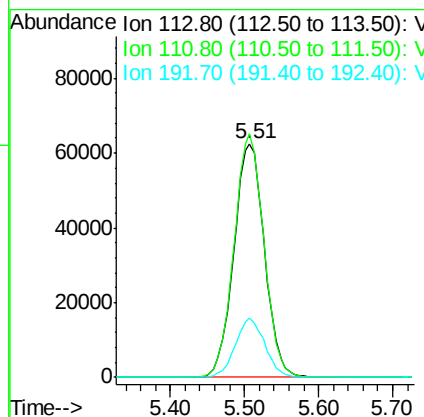
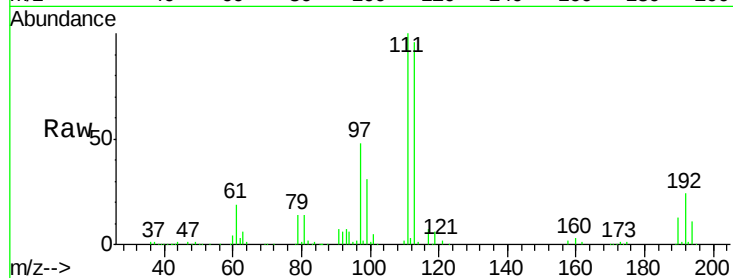
#35
Dibromofluoromethane
Concen: 52.64 ug/l
RT: 5.51 min Scan# 807
Delta R.T. -0.00 min
Lab File: VX003475.D
Acq: 19 Jul 2018 21:01

Instrument :
MSVOA_X
ClientSampleId :
VX0719WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	179682		
111	102.0	81.4	122.0	
192	24.4	19.1	28.7	

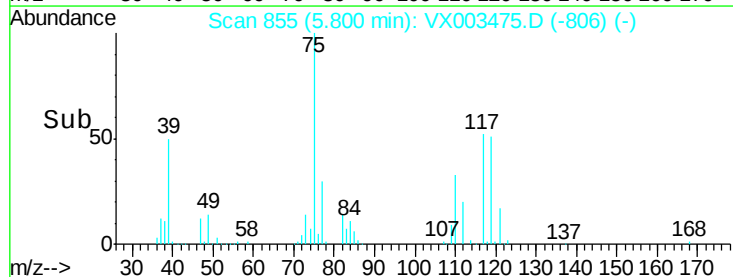
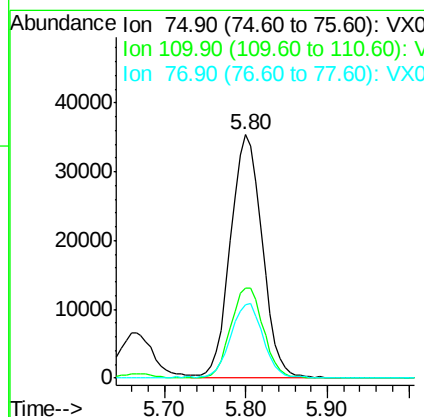
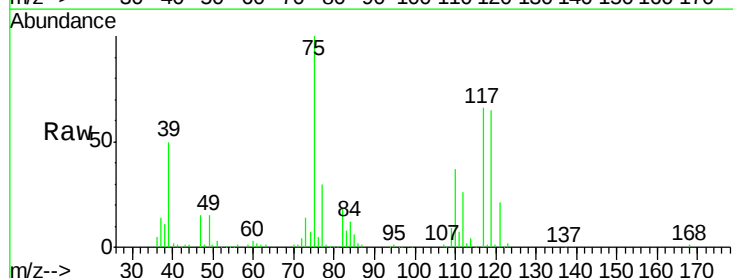
Manual Integrations
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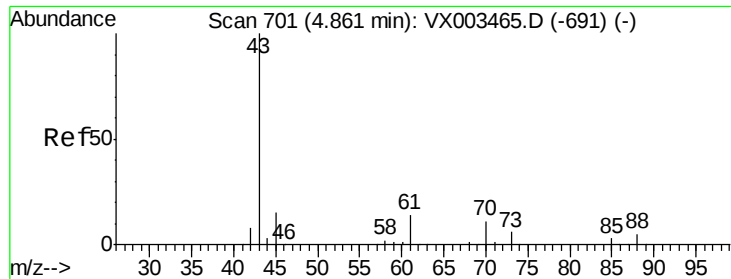
MMDadoda
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#36
1,1-Dichloropropene
Concen: 19.61 ug/l
RT: 5.80 min Scan# 855
Delta R.T. -0.00 min
Lab File: VX003475.D
Acq: 19 Jul 2018 21:01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	94860		
110	38.4	18.1	54.4	
77	31.2	24.3	36.5	





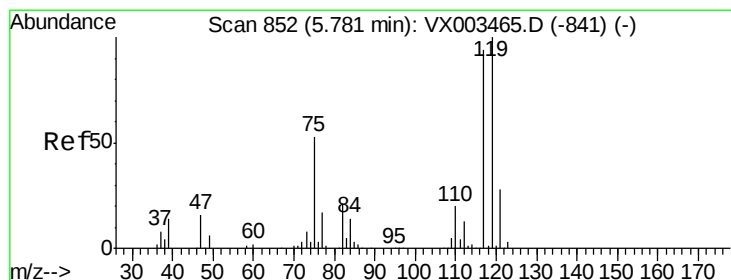
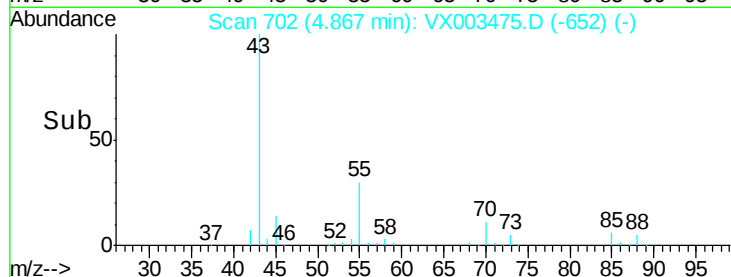
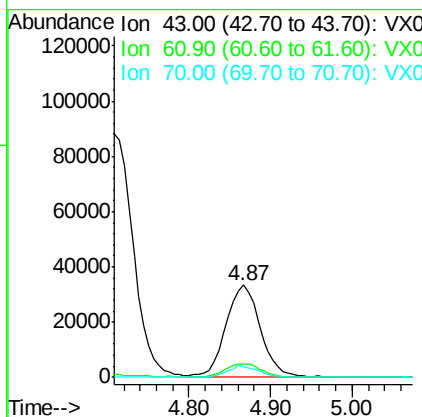
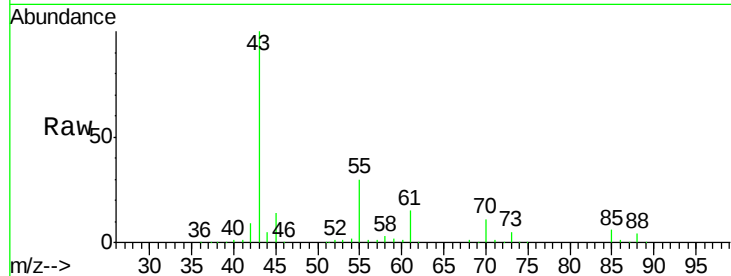
#37
Ethyl Acetate
Concen: 21.08 ug/l
RT: 4.87 min Scan# 702
Delta R.T. 0.01 min
Lab File: VX003475.D
Acq: 19 Jul 2018 21:01

Instrument :
MSVOA_X
ClientSampleId :
VX0719WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.3	10.4	15.6
70	11.3	7.6	11.4

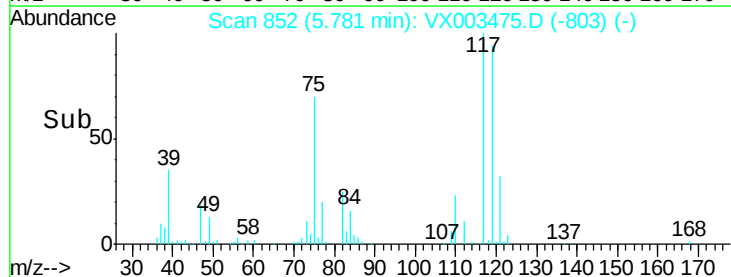
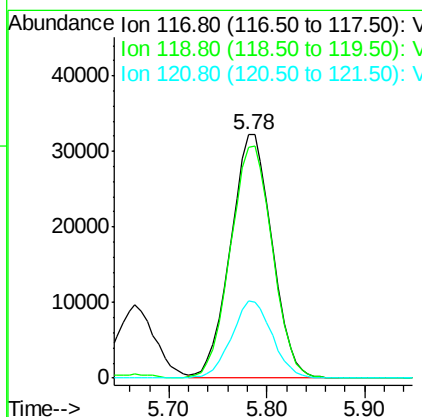
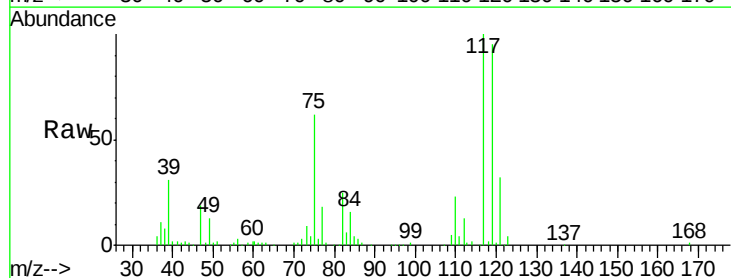
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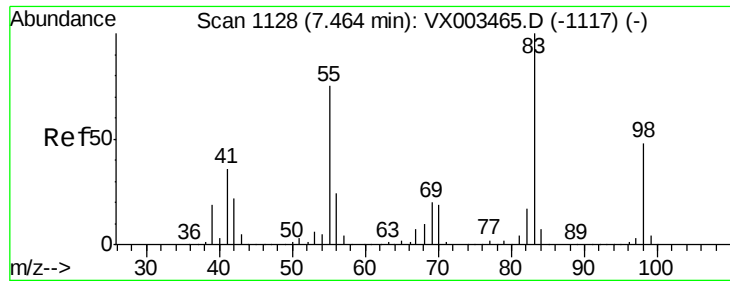
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#38
Carbon Tetrachloride
Concen: 20.01 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.00 min
Lab File: VX003475.D
Acq: 19 Jul 2018 21:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.3	77.4	116.0
121	31.9	24.4	36.6





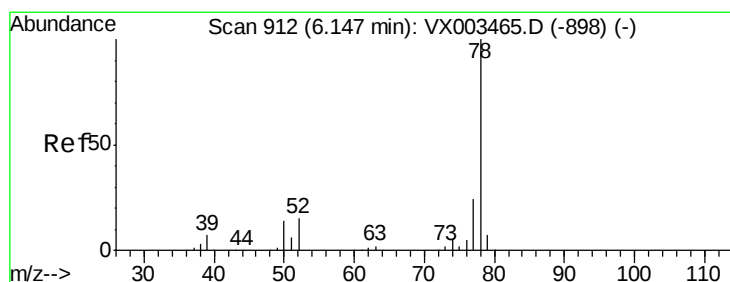
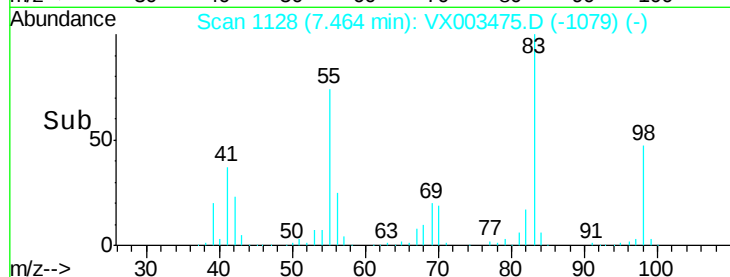
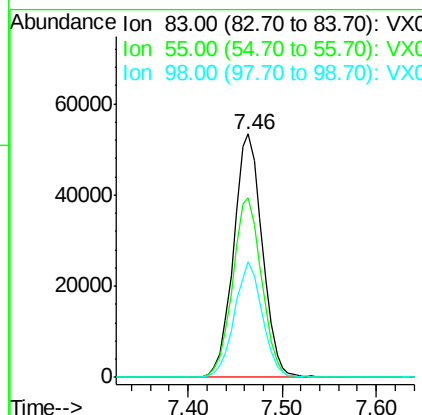
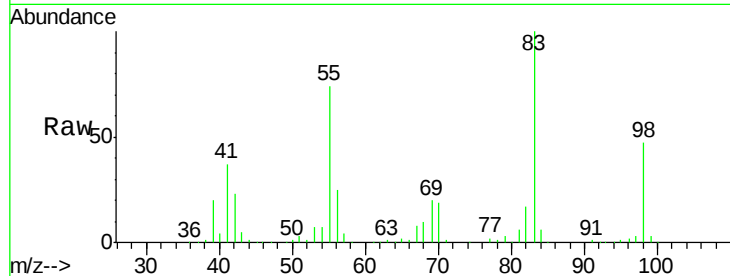
#39
Methvlcvclohexane
Concen: 19.69 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX003475.D
Acq: 19 Jul 2018 21:01

Instrument :
MSVOA_X
ClientSampleId :
VX0719WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.0	65.4	98.0
98	47.4	37.4	56.0

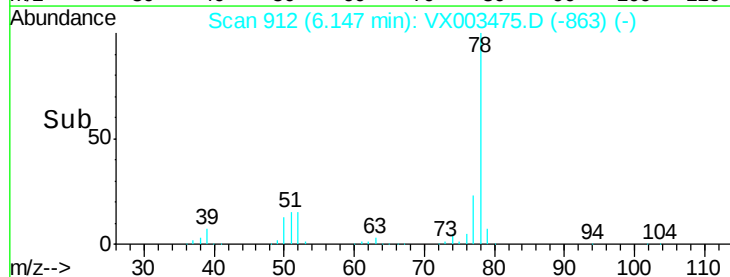
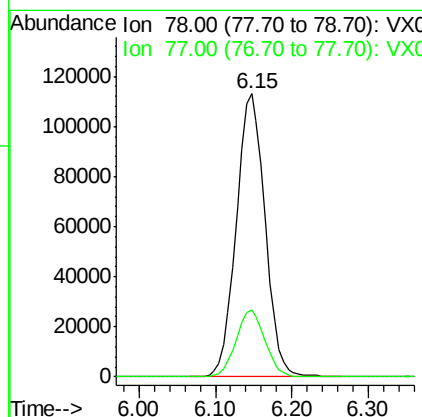
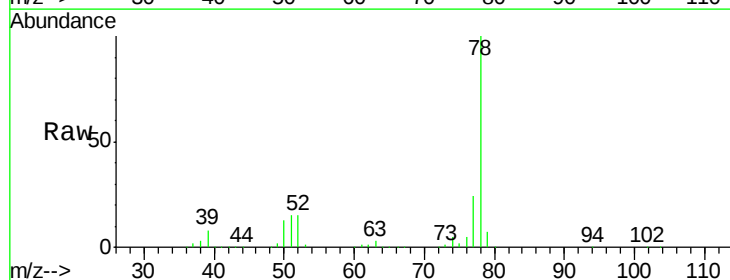
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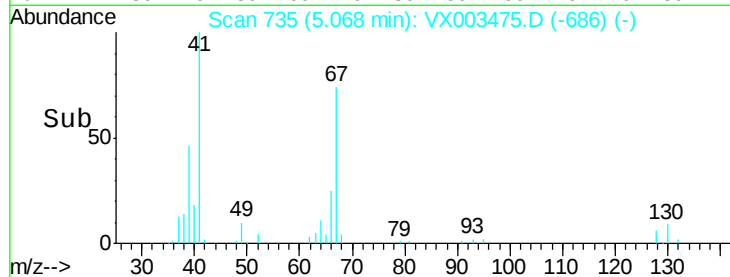
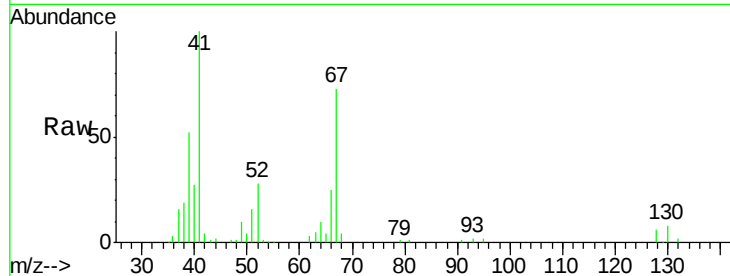
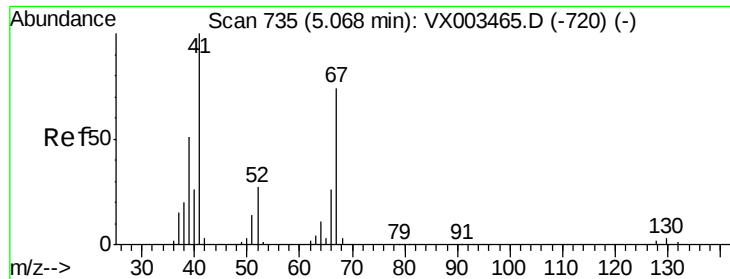
MMDadoda
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#40
Benzene
Concen: 20.17 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX003475.D
Acq: 19 Jul 2018 21:01

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.1	28.7





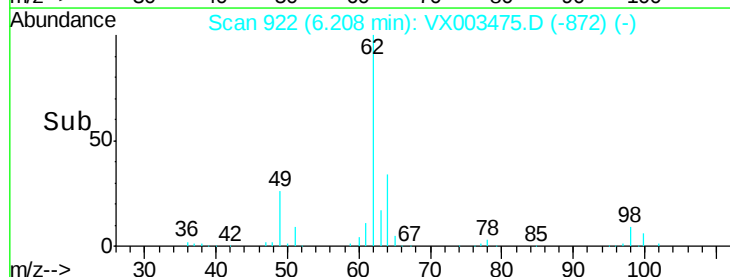
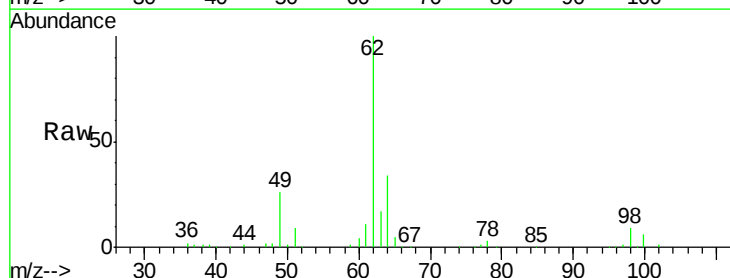
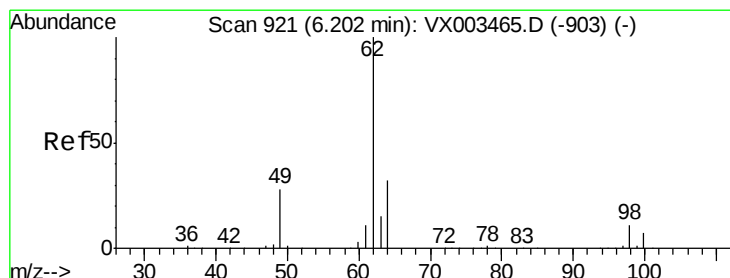
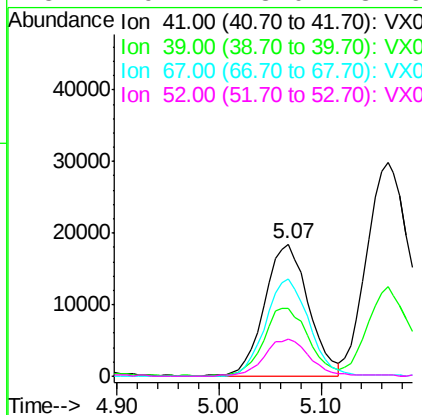
#41
Methacrylonitrile
Concen: 20.57 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.00 min
Lab File: VX003475.D
Acq: 19 Jul 2018 21:01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		55363		
39	52.4	45.8	68.6		
67	73.3	51.3	76.9		
52	29.2	23.0	34.6		

Instrument :
MSVOA_X
ClientSampleId :
VX0719WBSD01

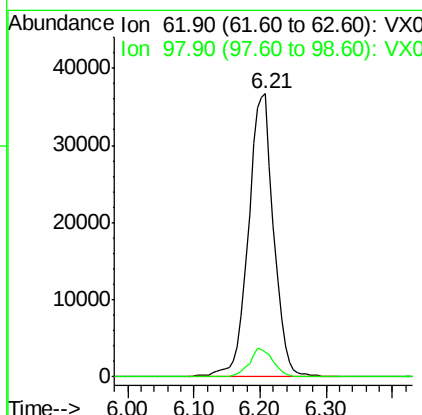
Manual Integrations
APPROVED

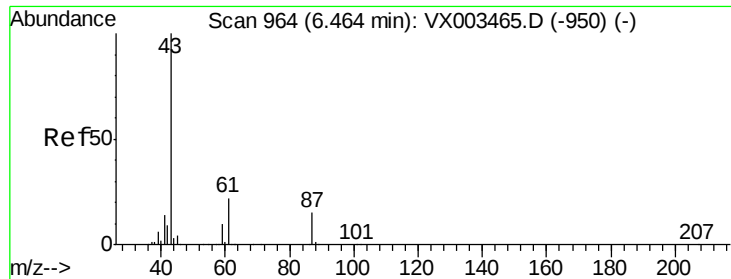
MMDadoda
7/20/2018 5:22:14 PM



#42
1,2-Dichloroethane
Concen: 21.23 ug/l
RT: 6.21 min Scan# 922
Delta R.T. 0.01 min
Lab File: VX003475.D
Acq: 19 Jul 2018 21:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		97711		
98	9.6	0.0	16.6		





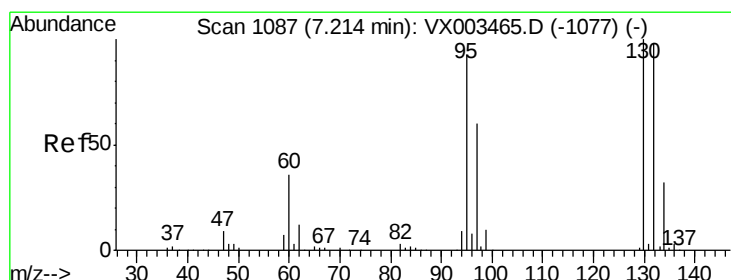
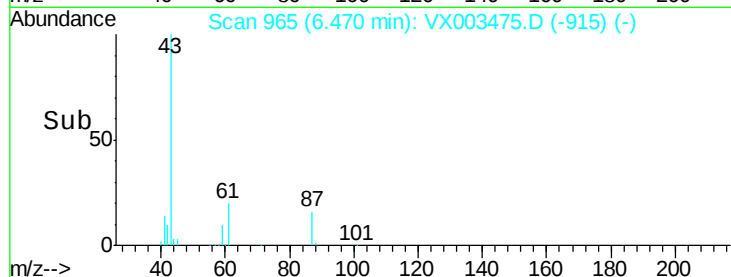
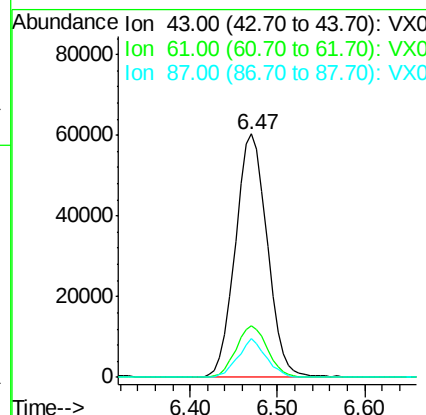
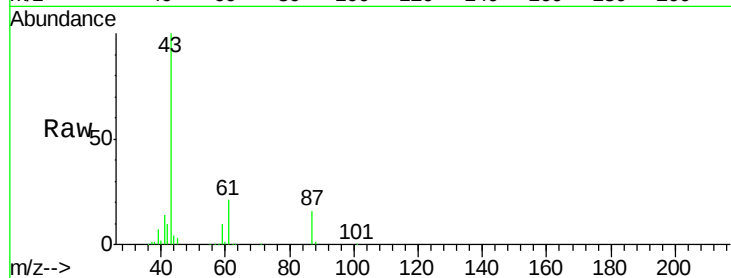
#43
Isopropyl Acetate
Concen: 20.97 ug/l
RT: 6.47 min Scan# 965
Delta R.T. 0.01 min
Lab File: VX003475.D
Acq: 19 Jul 2018 21:01

Instrument :
MSVOA_X
ClientSampleId :
VX0719WBSD01

Tot Ion	43	Resp	152721
Ion Ratio	Lower	Upper	
43	100		
61	21.0	14.4	21.6
87	14.2	9.5	14.3

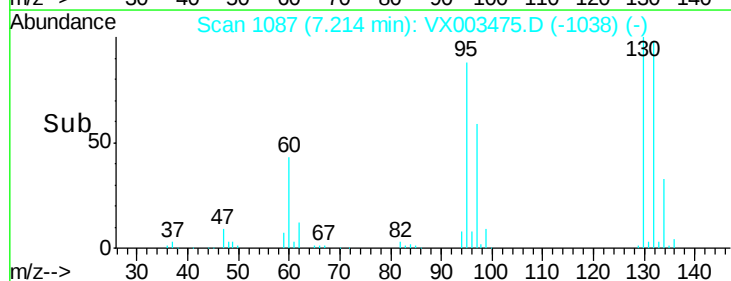
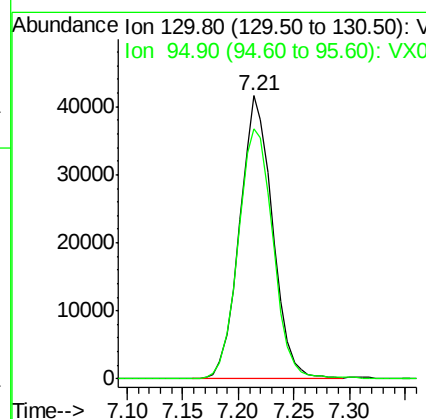
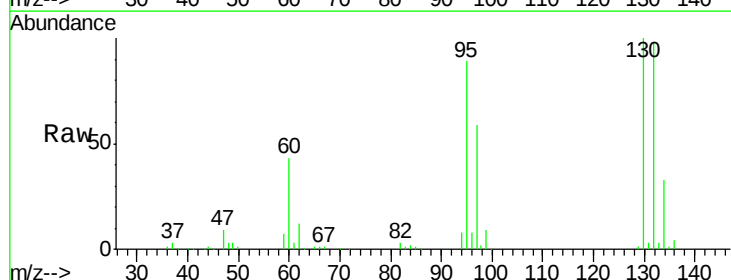
Manual Integrations
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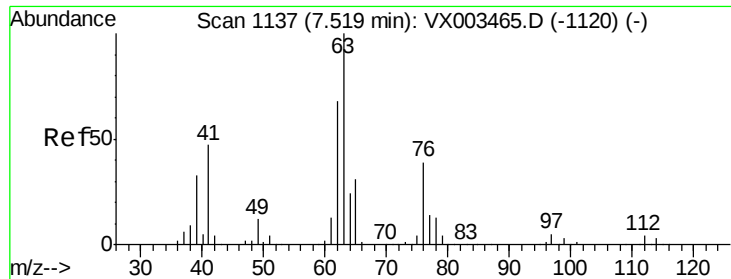
MMDadoda
7/20/2018 5:22:14 PM



#44
Trichloroethene
Concen: 19.57 ug/l
RT: 7.21 min Scan# 1087
Delta R.T. -0.00 min
Lab File: VX003475.D
Acq: 19 Jul 2018 21:01

Tgt Ion	130	Resp	85247
Ion Ratio	Lower	Upper	
130	100		
95	88.5	0.0	185.4





#45

1,2-Dichloropropane

Concen: 20.76 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VX003475.D

Acq: 19 Jul 2018 21:01

Instrument :

MSVOA_X

ClientSampleId :

VX0719WBSD01

Tot Ion: 63 Resp: 76998

Ion Ratio Lower Upper

63 100

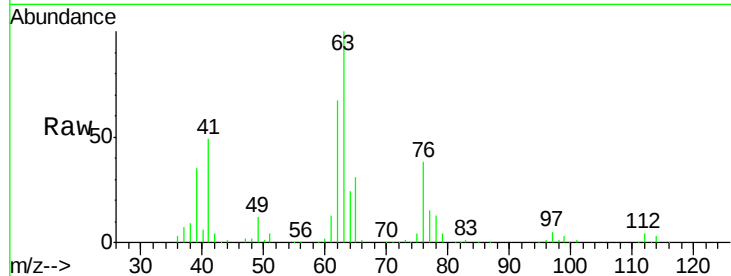
65 30.7 24.7 37.1

Manual Integrations

APPROVED

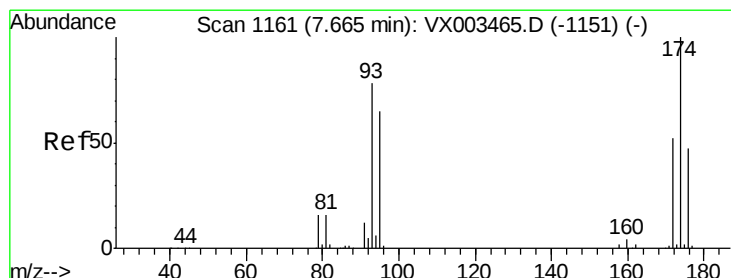
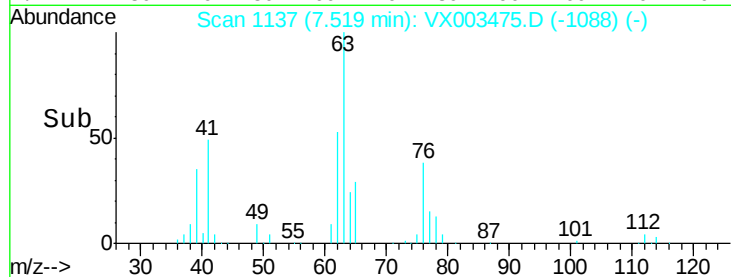
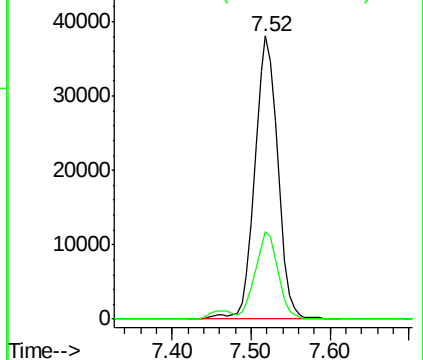
MMDadoda

7/20/2018 5:22:14 PM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 20.71 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VX003475.D

Acq: 19 Jul 2018 21:01

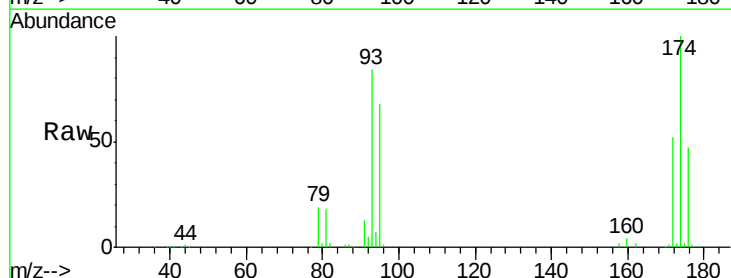
Tgt Ion: 93 Resp: 49462

Ion Ratio Lower Upper

93 100

95 83.7 65.9 98.9

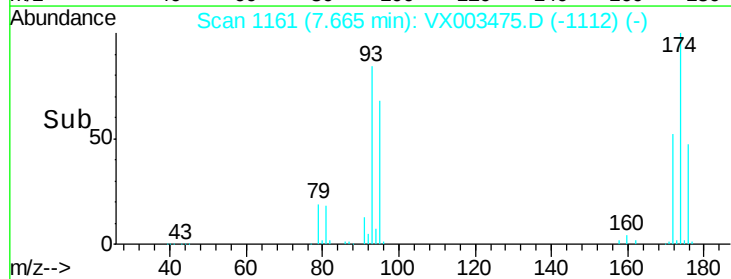
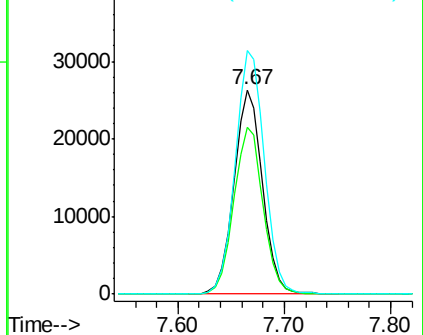
174 122.0 92.4 138.6



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.57 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX003475.D

Acq: 19 Jul 2018 21:01

Instrument :

MSVOA_X

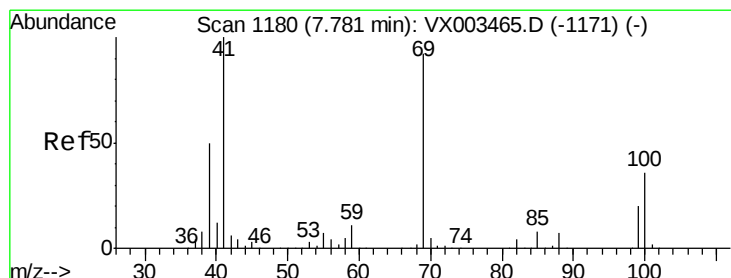
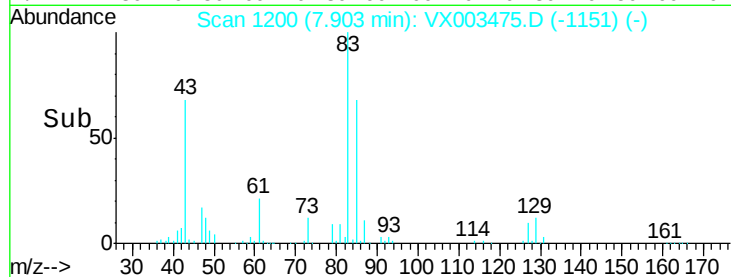
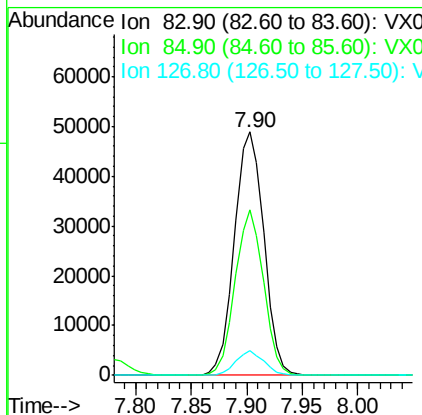
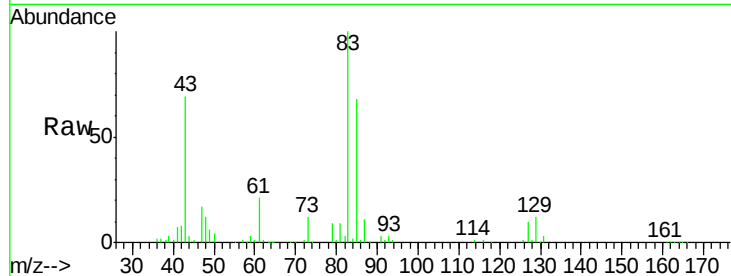
ClientSampleId :

VX0719WBSD01

Tot Ion:	83	Resp:	89914
Ion	Ratio	Lower	Upper
83	100		
85	67.8	50.3	75.5
127	10.1	7.0	10.4

Manual Integrations
APPROVED

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#48

Methyl methacrylate

Concen: 20.64 ug/l

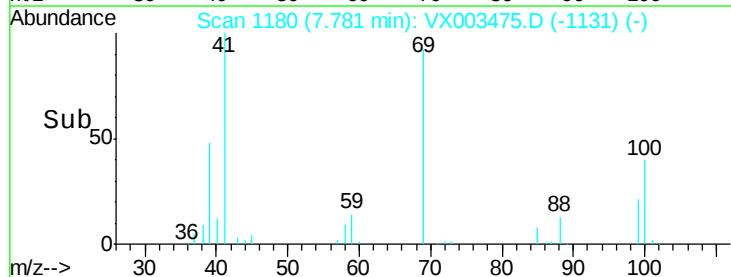
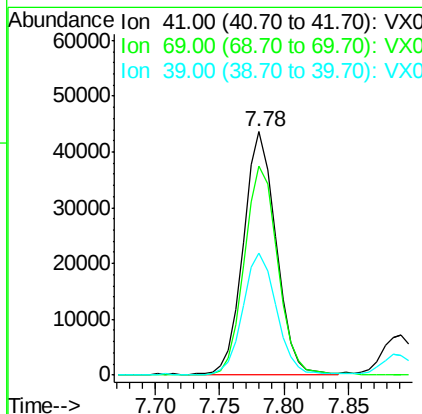
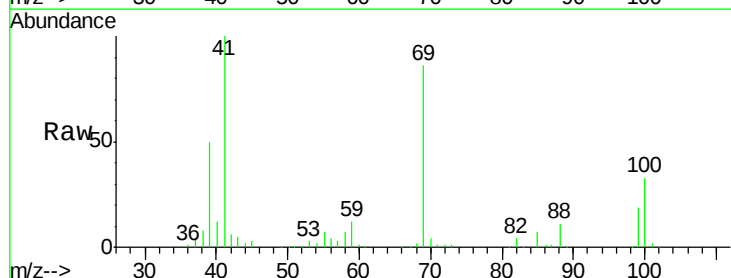
RT: 7.78 min Scan# 1180

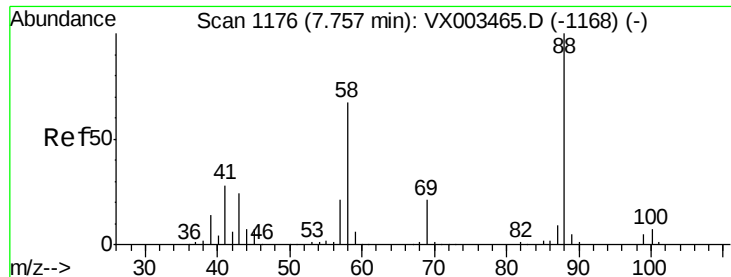
Delta R.T. -0.00 min

Lab File: VX003475.D

Acq: 19 Jul 2018 21:01

Tgt Ion:	41	Resp:	75790
Ion	Ratio	Lower	Upper
41	100		
69	89.1	59.1	88.7#
39	51.5	48.9	73.3





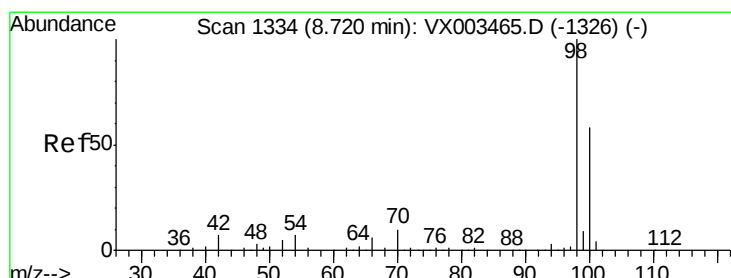
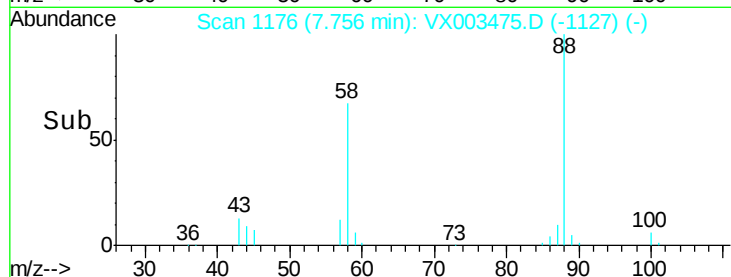
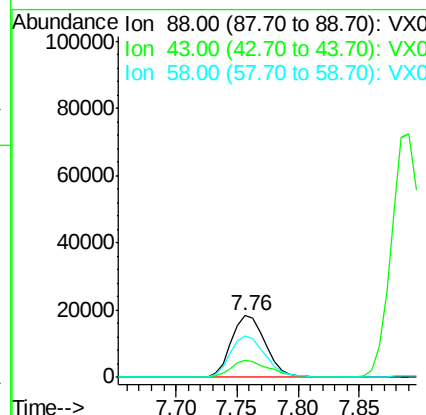
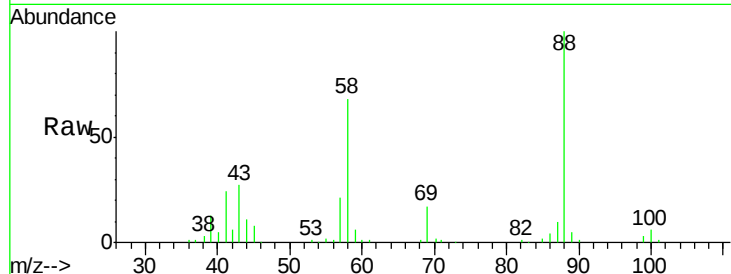
#49
1,4-Dioxane
Concen: 429.28 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VX003475.D
Acq: 19 Jul 2018 21:01

Instrument :
MSVOA_X
ClientSampleId :
VX0719WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.5	29.8	44.6
58	70.5	57.1	85.7

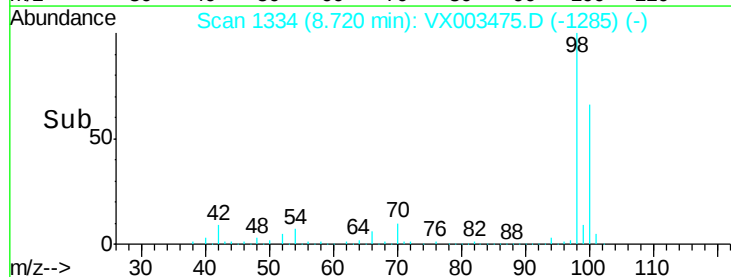
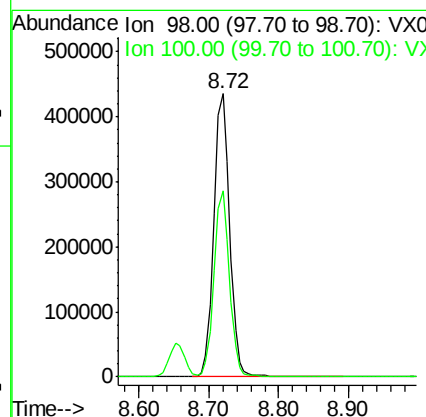
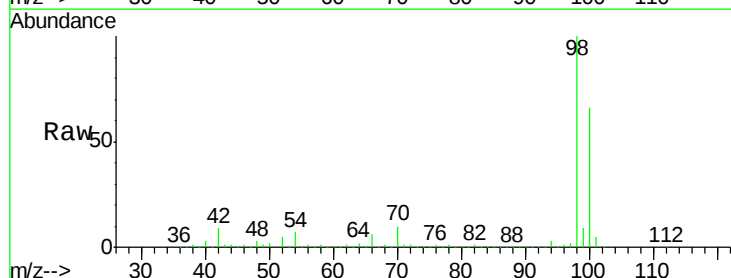
Manual Integrations
APPROVED

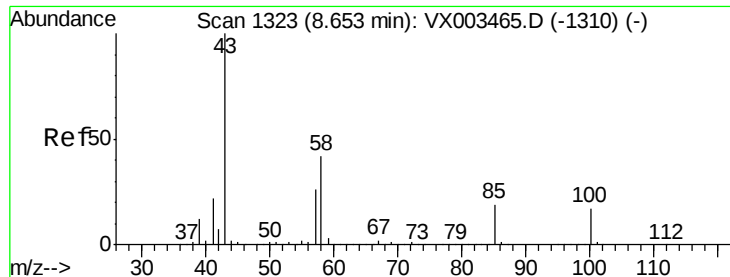
MMDadoda
7/20/2018 5:22:14 PM



#50
Toluene-d8
Concen: 53.43 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003475.D
Acq: 19 Jul 2018 21:01

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 108.71 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX003475.D

Acq: 19 Jul 2018 21:01

Instrument :

MSVOA_X

ClientSampled :

VX0719WBSD01

Tot Ion: 43 Resp: 500216

Ion Ratio Lower Upper

43 100

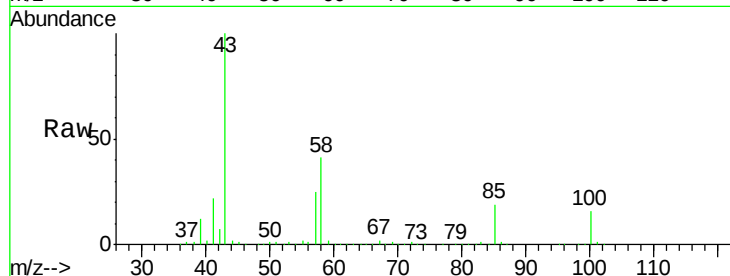
58 40.4 28.6 42.8

Manual Integrations

APPROVED

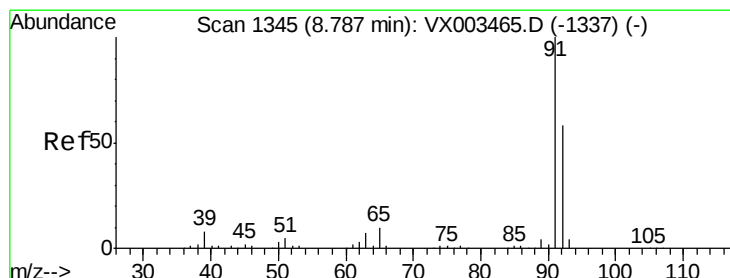
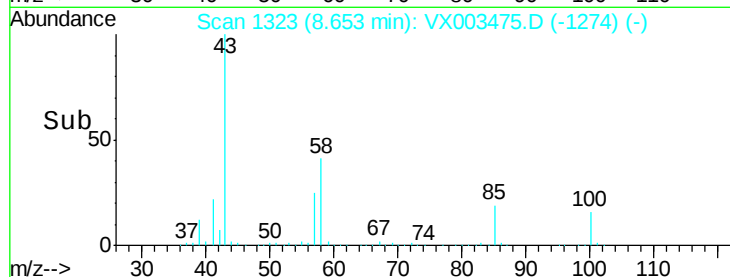
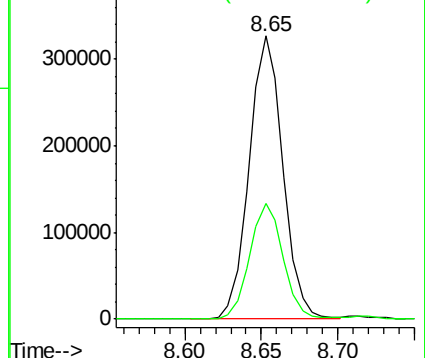
MMDadoda

7/20/2018 5:22:14 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 20.35 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX003475.D

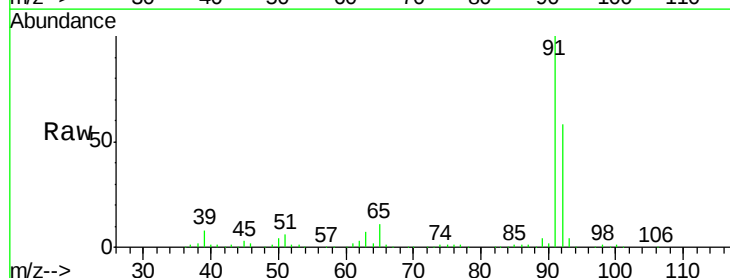
Acq: 19 Jul 2018 21:01

Tgt Ion: 92 Resp: 187152

Ion Ratio Lower Upper

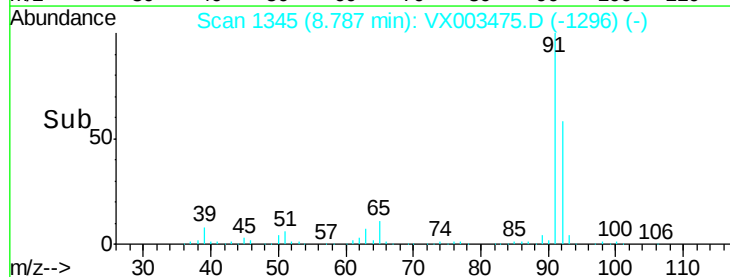
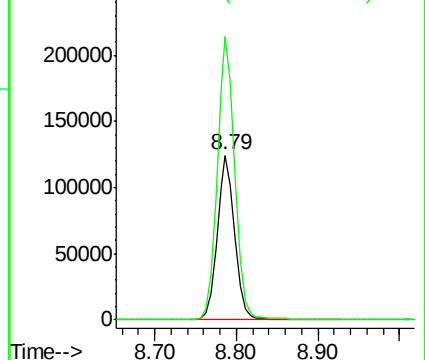
92 100

91 174.3 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





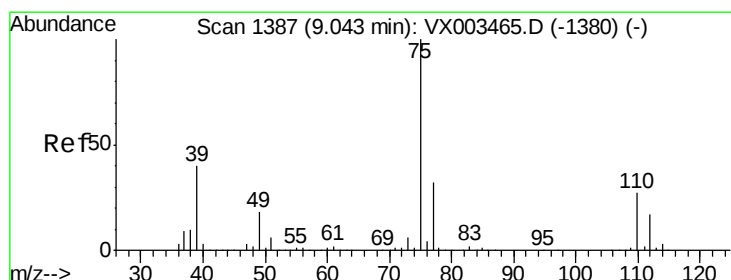
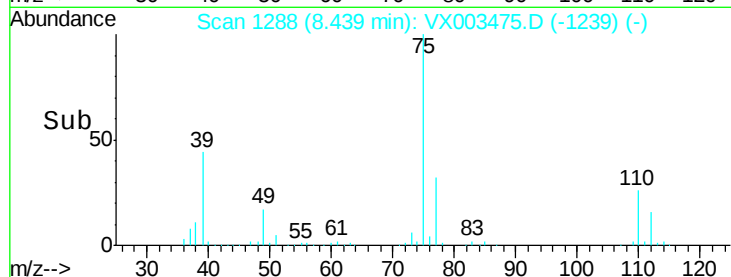
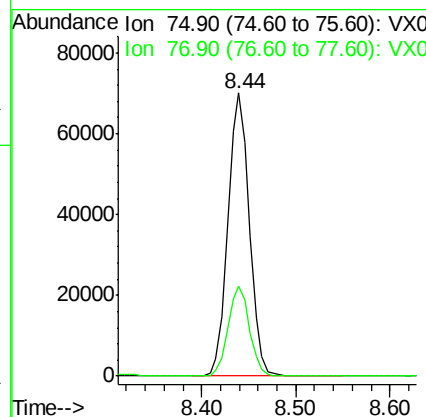
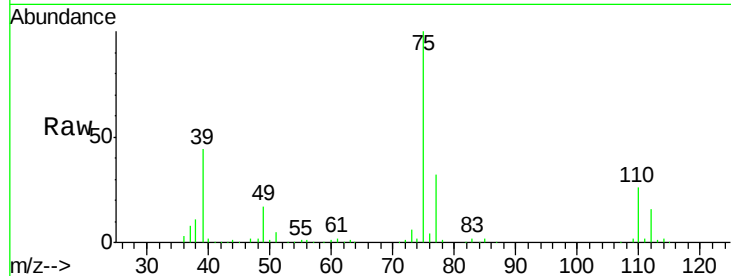
#53
t-1,3-Dichloropropene
Concen: 20.48 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VX003475.D
Acq: 19 Jul 2018 21:01

Instrument :
MSVOA_X
ClientSampleId :
VX0719WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.2

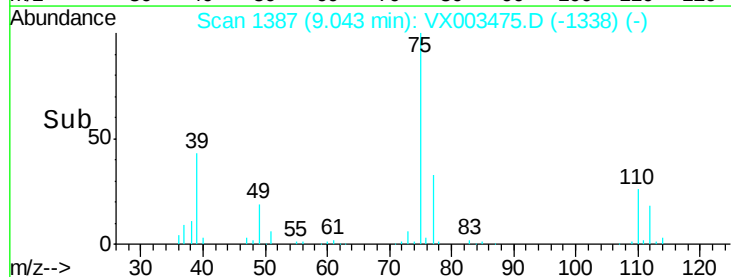
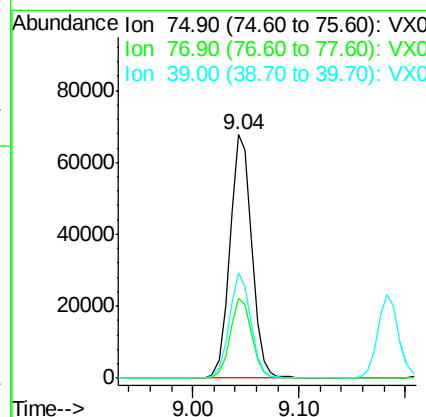
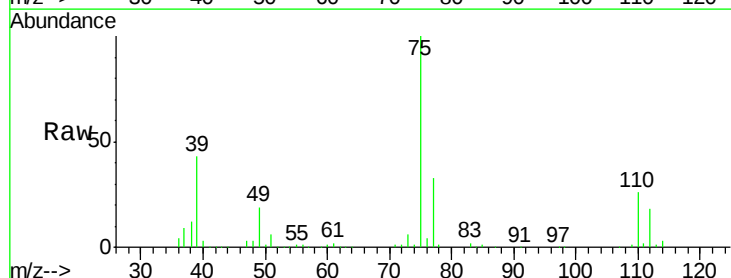
Manual Integrations
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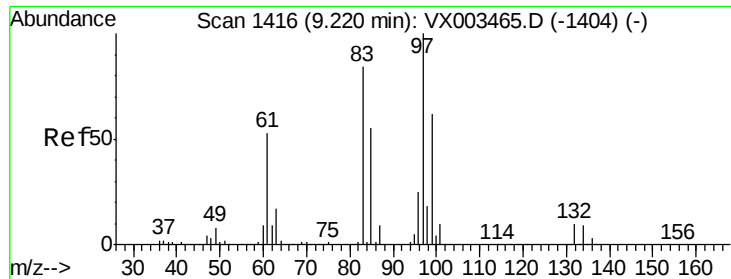
MMDadoda
7/20/2018 5:22:14 PM



#54
cis-1,3-Dichloropropene
Concen: 20.15 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. -0.00 min
Lab File: VX003475.D
Acq: 19 Jul 2018 21:01

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.7	24.8	37.2
39	43.2	42.4	63.6





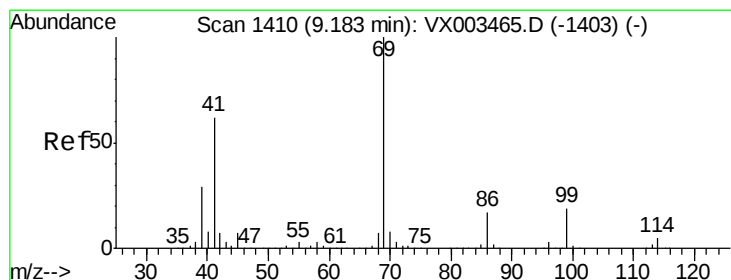
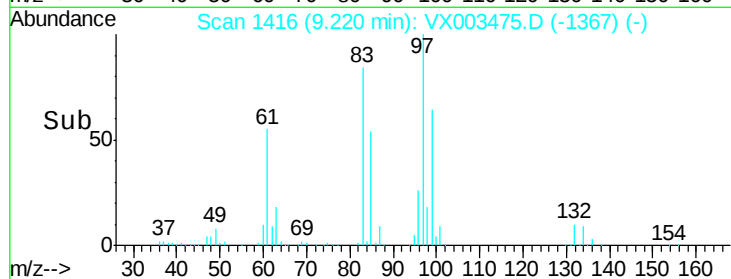
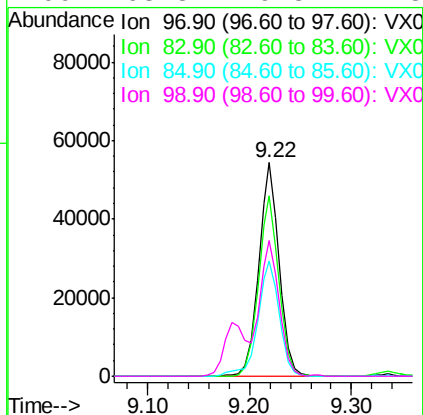
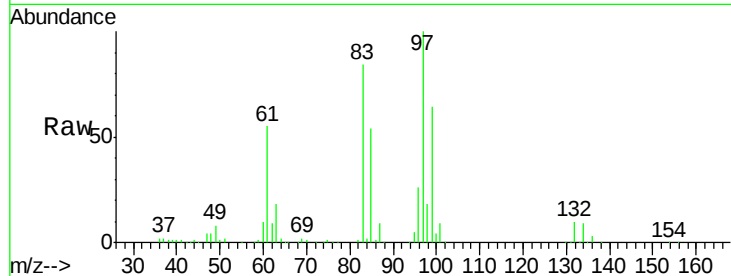
#55
 1,1,2-Trichloroethane
 Concen: 20.70 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX003475.D
 Acq: 19 Jul 2018 21:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0719WBSD01

Tot Ion	Ratio	Lower	Upper
97	100		
83	84.3	70.2	105.2
85	54.0	44.9	67.3
99	63.8	49.8	74.8

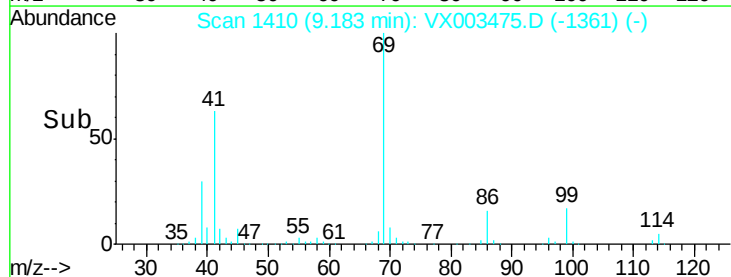
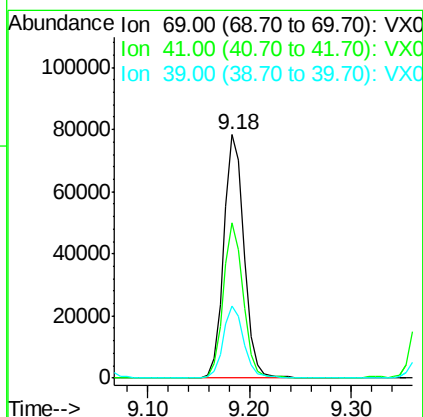
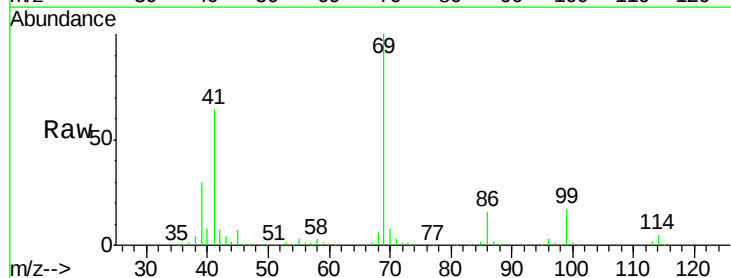
Manual Integrations
 APPROVED

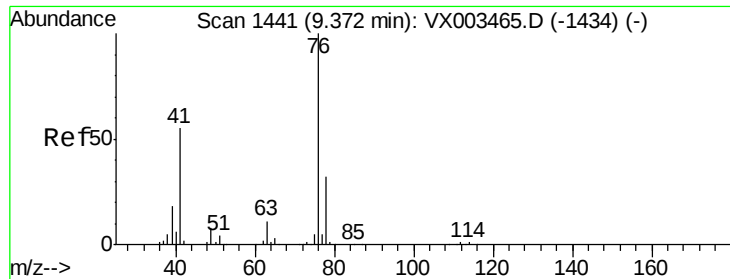
MMDadoda
 7/20/2018 5:22:14 PM



#56
 Ethyl methacrylate
 Concen: 20.95 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX003475.D
 Acq: 19 Jul 2018 21:01

Tgt Ion	Ratio	Lower	Upper
69	100		
41	62.4	60.3	90.5
39	29.8	35.8	53.8#





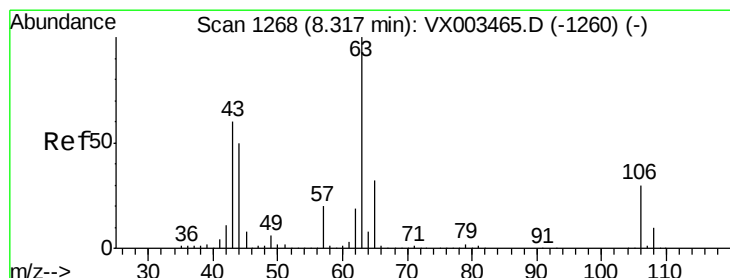
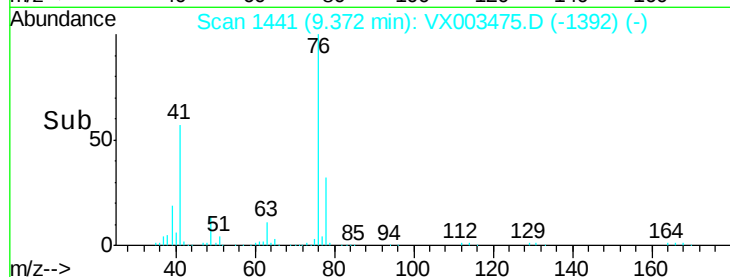
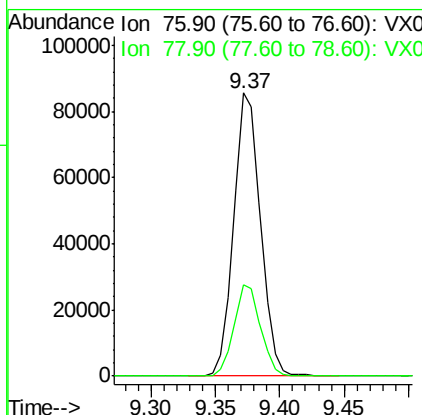
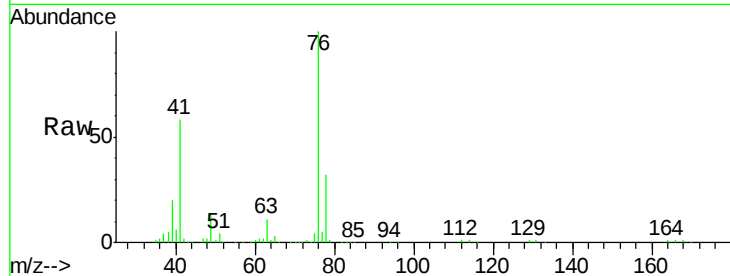
#57
 1,3-Dichloropropane
 Concen: 21.00 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VX003475.D
 Acq: 19 Jul 2018 21:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0719WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.8	38.6

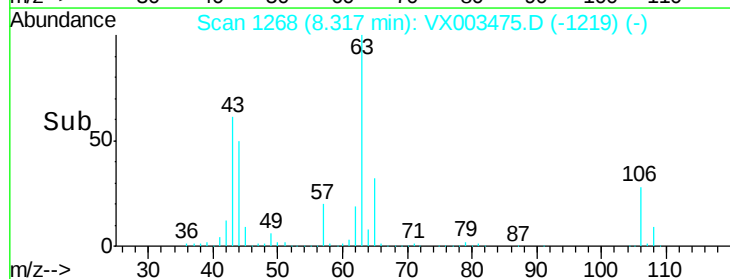
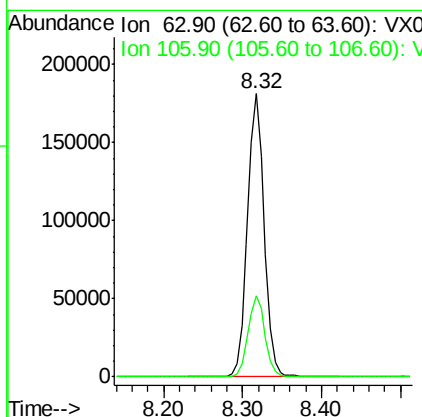
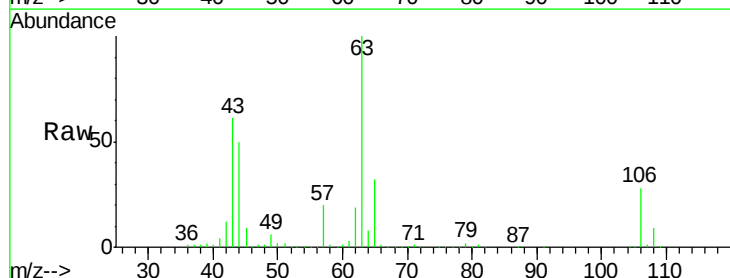
Manual Integrations
 APPROVED

MMDadoda
 7/20/2018 5:22:14 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 106.35 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VX003475.D
 Acq: 19 Jul 2018 21:01

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.5	21.8	32.8





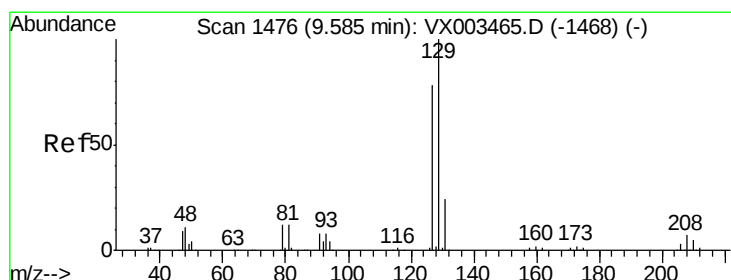
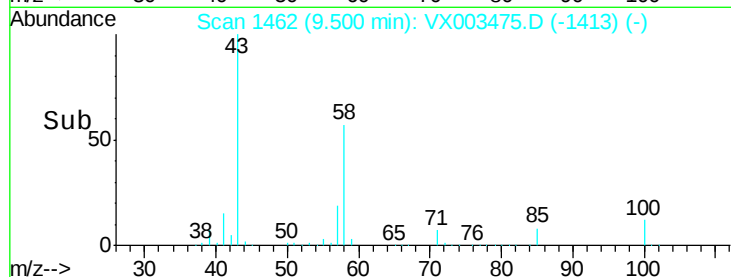
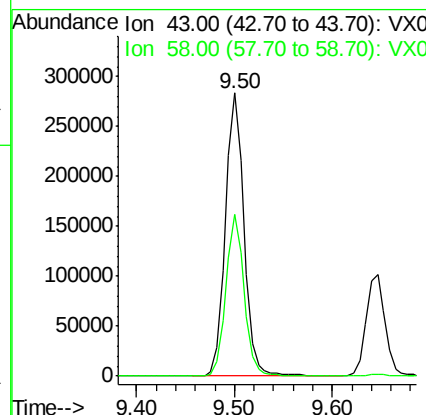
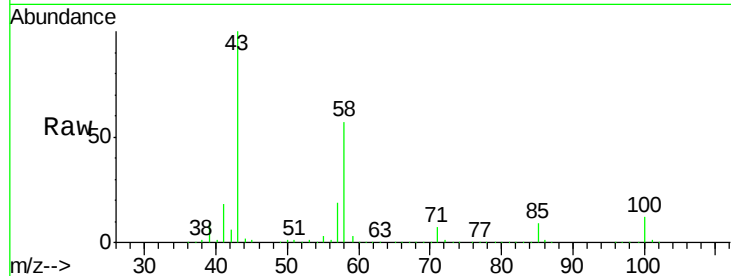
#59
2-Hexanone
Concen: 110.33 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX003475.D
Acq: 19 Jul 2018 21:01

Instrument :
MSVOA_X
ClientSampleId :
VX0719WBSD01

Tot Ion: 43 Resp: 376140
Ion Ratio Lower Upper
43 100
58 55.9 24.6 73.6

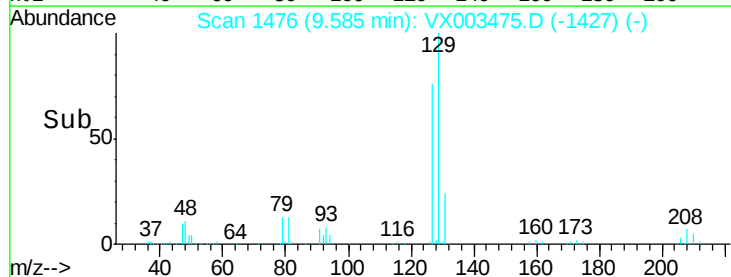
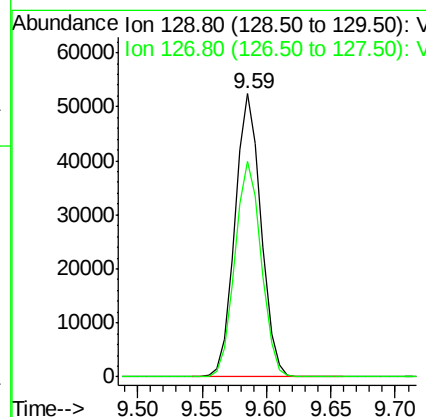
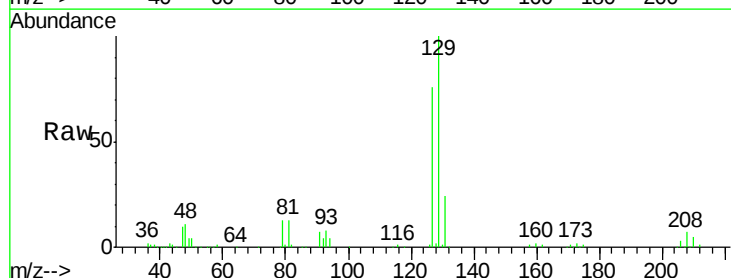
Manual Integrations
APPROVED

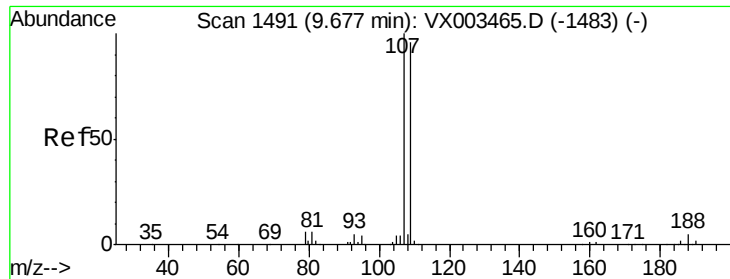
MMDadoda
7/20/2018 5:22:14 PM



#60
Dibromochloromethane
Concen: 20.51 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX003475.D
Acq: 19 Jul 2018 21:01

Tgt Ion: 129 Resp: 74277
Ion Ratio Lower Upper
129 100
127 76.8 38.5 115.3





#61

1,2-Dibromoethane

Concen: 20.73 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX003475.D

Acq: 19 Jul 2018 21:01

Instrument :

MSVOA_X

ClientSampleId :

VX0719WBSD01

Tot Ion:107 Resp: 78622

Ion Ratio Lower Upper

107 100

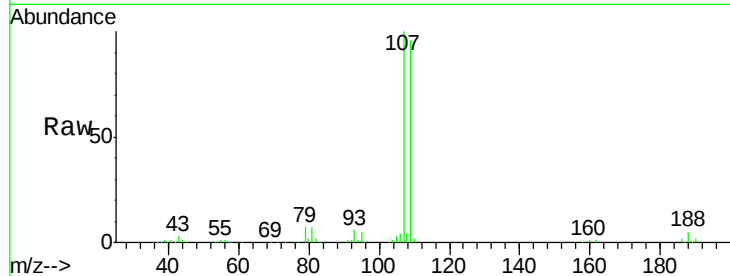
109 94.6 75.3 112.9

Manual Integrations

APPROVED

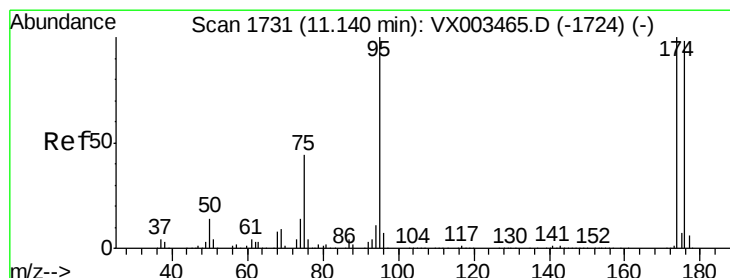
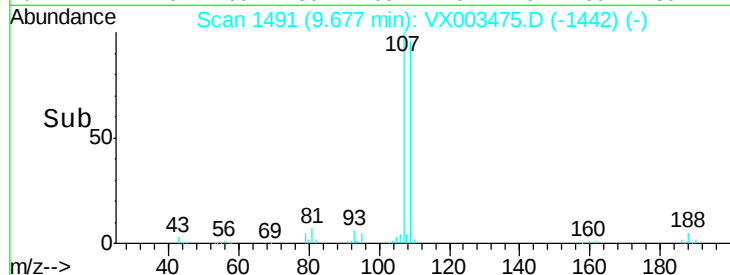
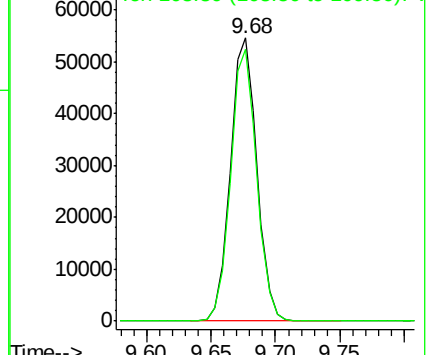
MMDadoda

7/20/2018 5:22:14 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 52.72 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003475.D

Acq: 19 Jul 2018 21:01

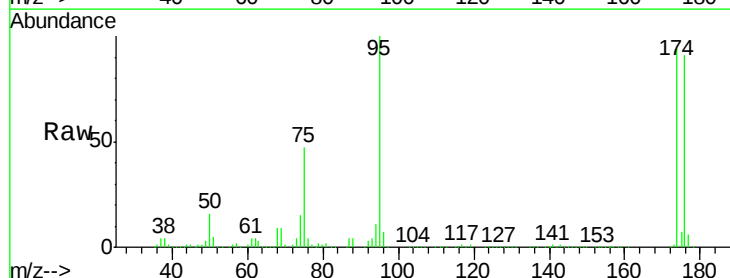
Tgt Ion: 95 Resp: 246834

Ion Ratio Lower Upper

95 100

174 95.2 0.0 187.4

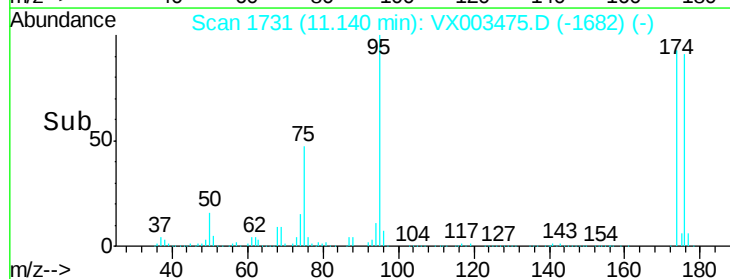
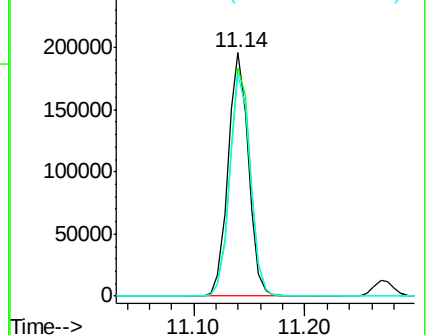
176 91.8 0.0 181.0

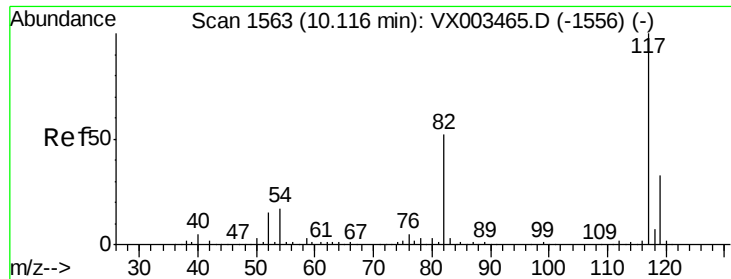


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





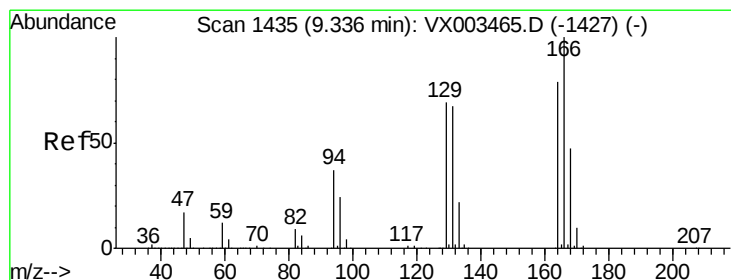
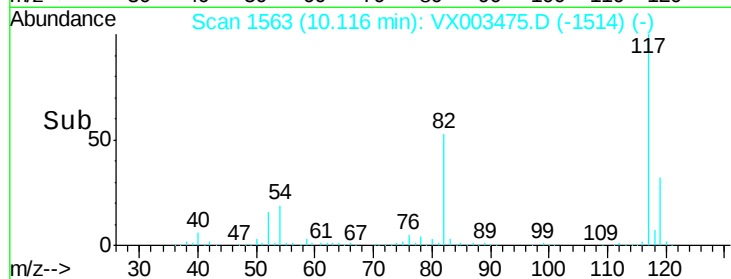
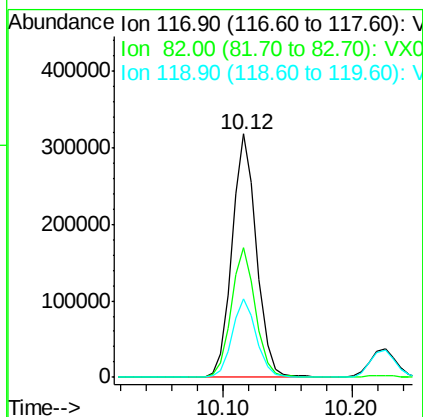
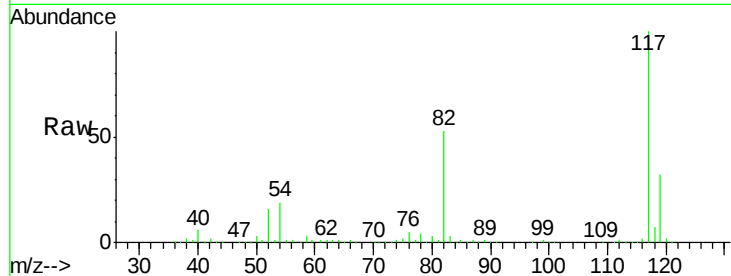
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003475.D
Acq: 19 Jul 2018 21:01

Instrument :
MSVOA_X
ClientSampleId :
VX0719WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.2	45.0	67.4
119	32.1	25.8	38.6

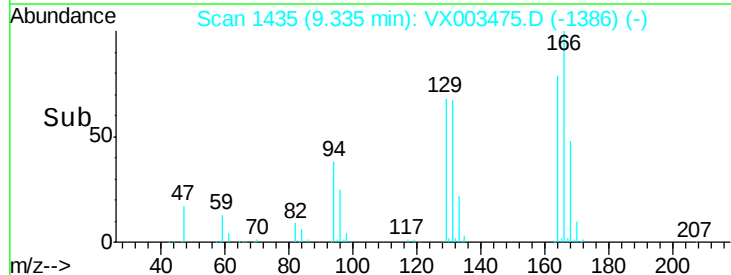
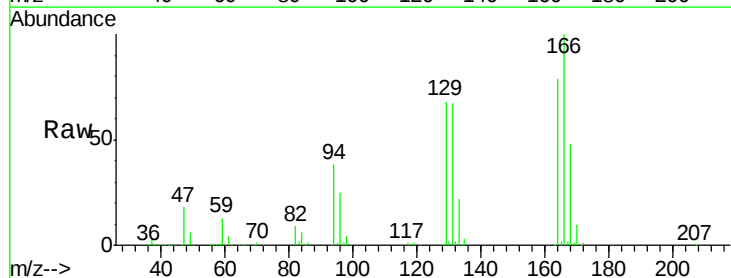
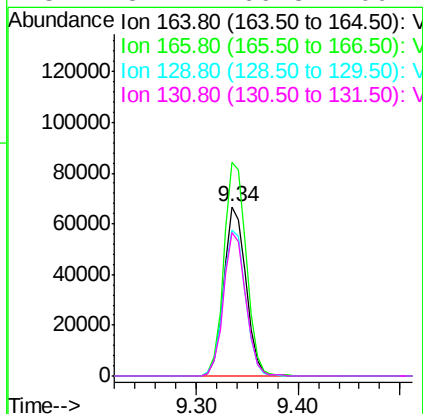
Manual Integrations
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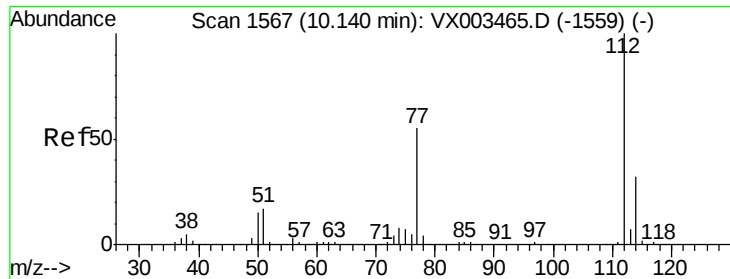
MMDadoda
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#64
Tetrachloroethene
Concen: 19.32 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX003475.D
Acq: 19 Jul 2018 21:01

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.3	102.9	154.3
129	86.4	68.6	102.8
131	84.7	66.8	100.2





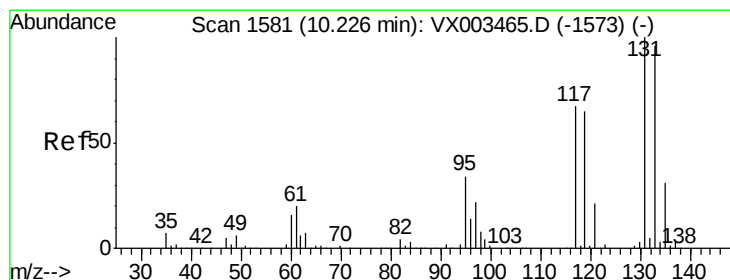
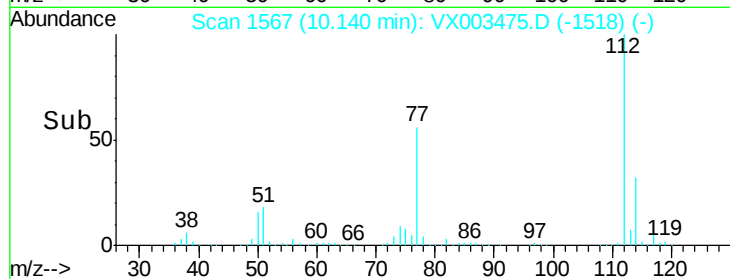
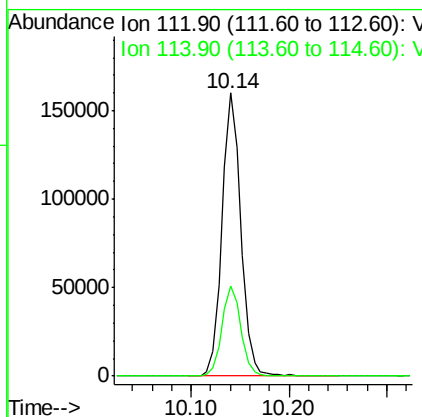
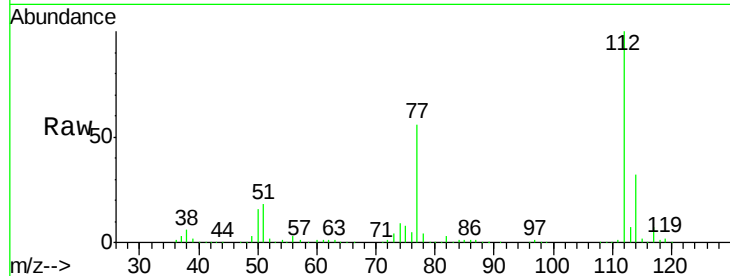
#65
Chlorobenzene
Concen: 19.70 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX003475.D
Acq: 19 Jul 2018 21:01

Instrument :
MSVOA_X
ClientSampled :
VX0719WBSD01

Tot Ion:112 Resp: 213889
Ion Ratio Lower Upper
112 100
114 31.8 25.3 37.9

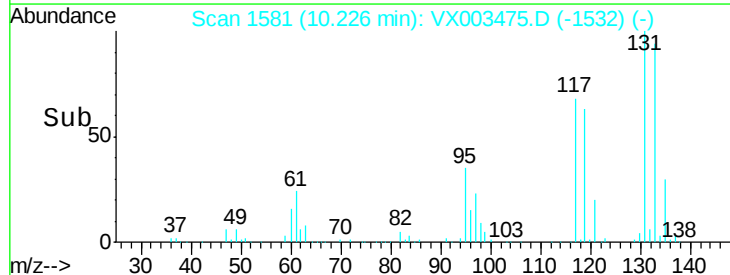
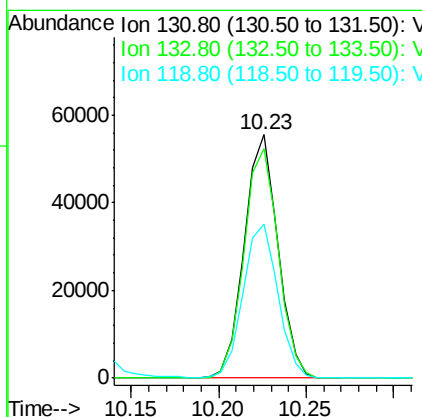
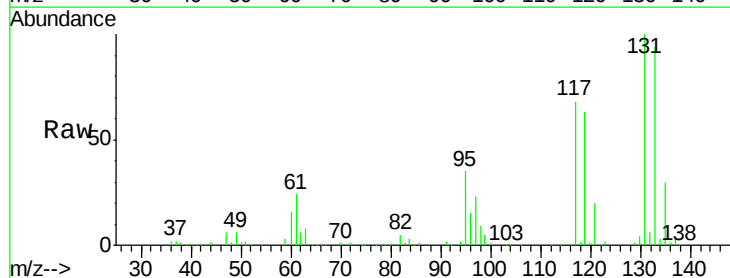
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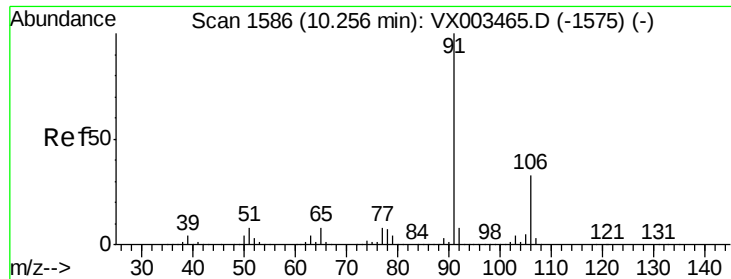
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.84 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX003475.D
Acq: 19 Jul 2018 21:01

Tgt Ion:131 Resp: 74115
Ion Ratio Lower Upper
131 100
133 96.4 47.9 143.6
119 65.9 31.8 95.3





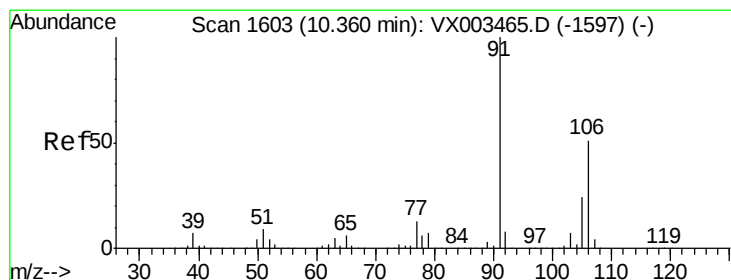
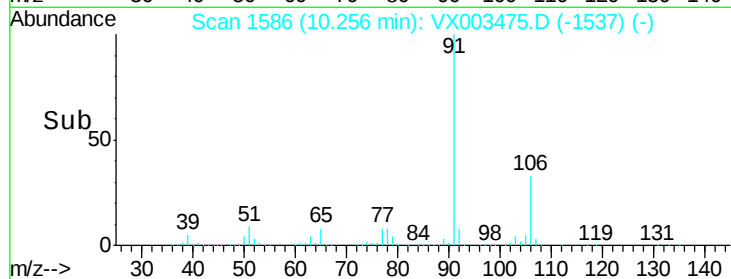
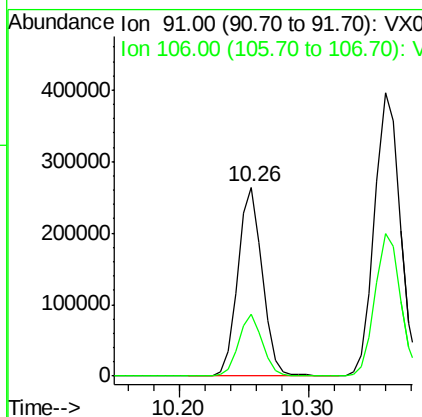
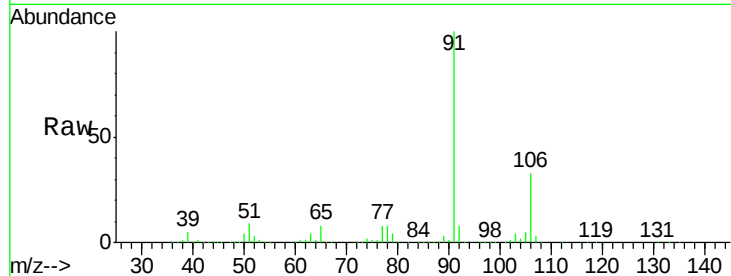
#67
Ethyl Benzene
Concen: 20.04 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX003475.D
Acq: 19 Jul 2018 21:01

Instrument :
MSVOA_X
ClientSampleId :
VX0719WBSD01

Tot Ion: 91 Resp: 349753
Ion Ratio Lower Upper
91 100
106 32.7 25.5 38.3

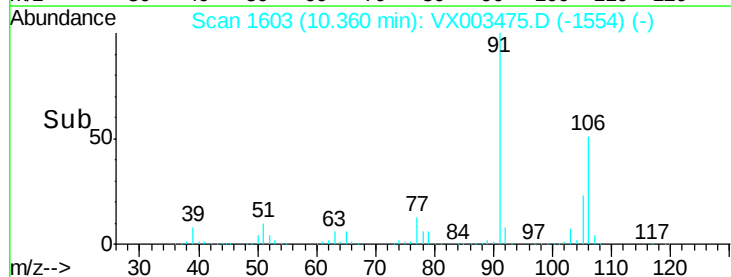
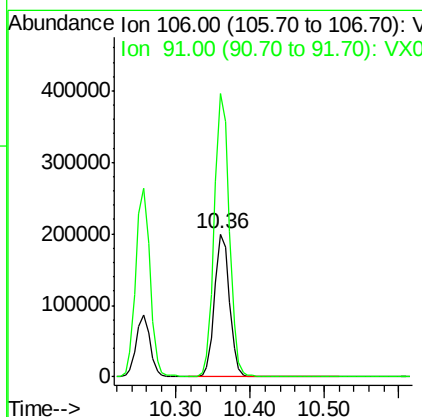
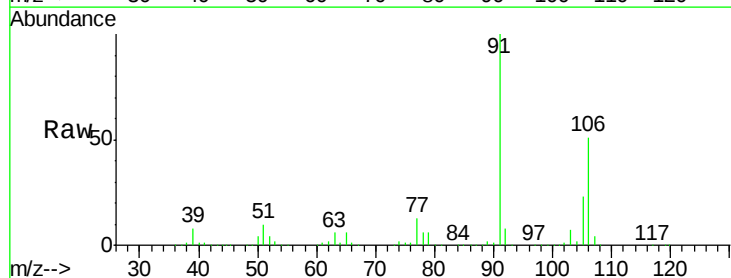
Manual Integrations
APPROVED

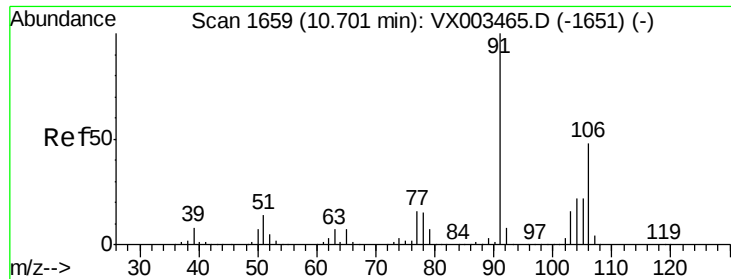
MMDadoda
7/20/2018 5:22:14 PM



#68
m/p-Xylenes
Concen: 40.07 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX003475.D
Acq: 19 Jul 2018 21:01

Tgt Ion: 106 Resp: 274243
Ion Ratio Lower Upper
106 100
91 199.0 163.4 245.2





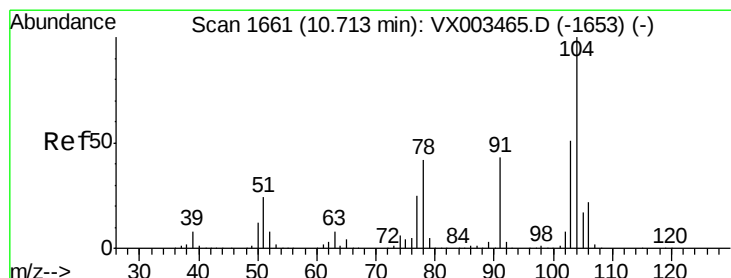
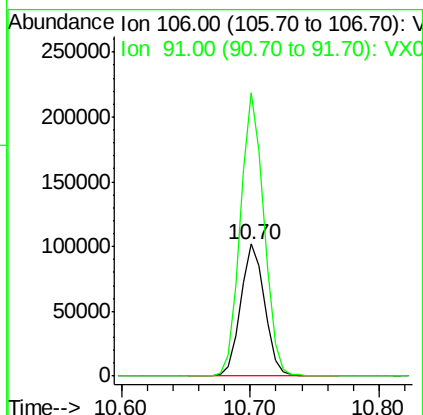
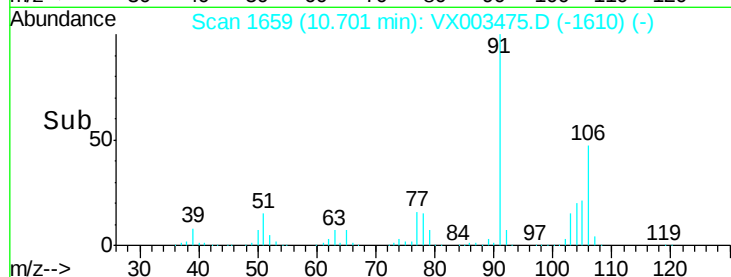
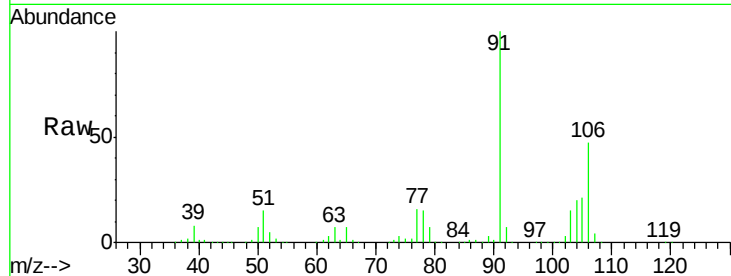
#69
o-Xylene
Concen: 19.85 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX003475.D
Acq: 19 Jul 2018 21:01

Instrument :
MSVOA_X
ClientSampleId :
VX0719WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	211.8	108.2	324.6	

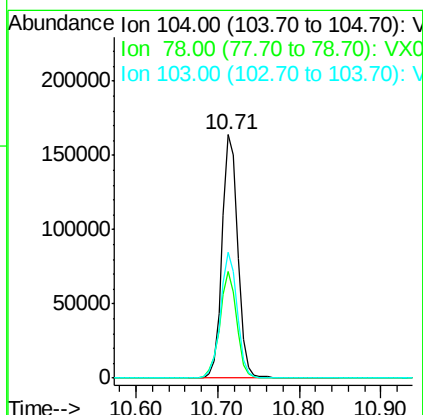
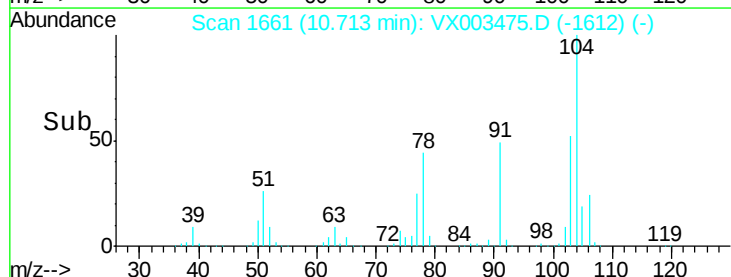
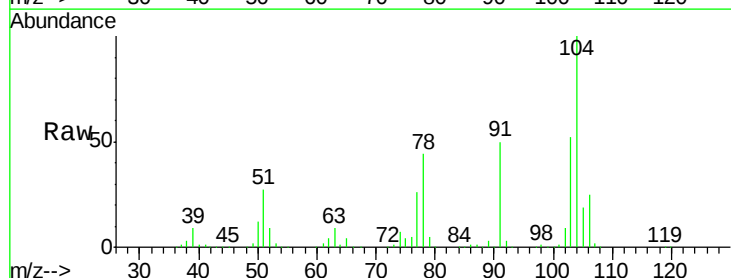
Manual Integrations
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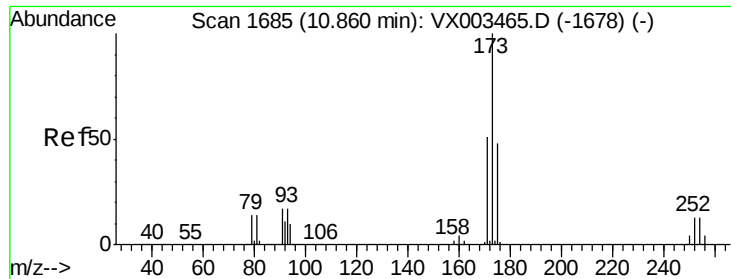
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#70
Styrene
Concen: 20.34 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX003475.D
Acq: 19 Jul 2018 21:01

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	47.3	41.0	61.6	
103	55.1	44.2	66.4	





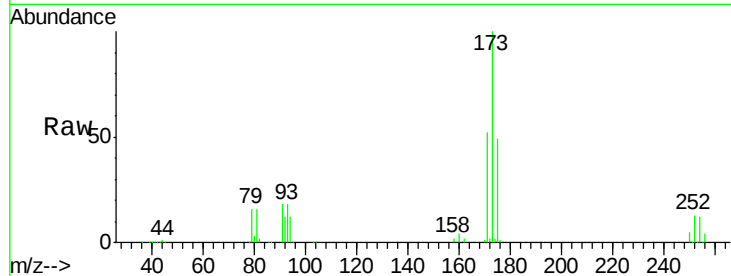
#71
Bromoform
Concen: 19.33 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VX003475.D
Acq: 19 Jul 2018 21:01

Instrument :
MSVOA_X
ClientSampleId :
VX0719WBSD01

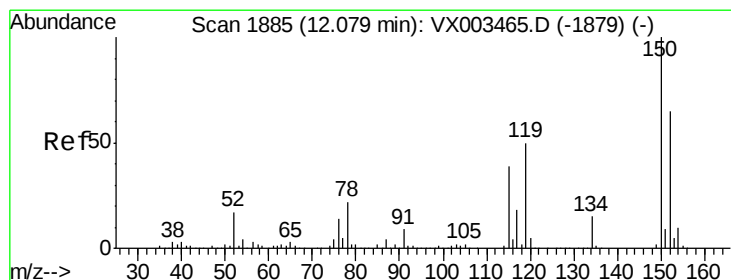
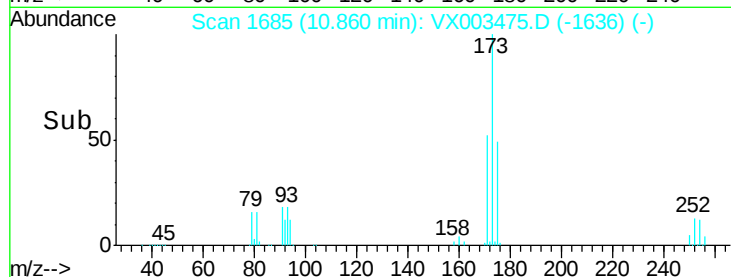
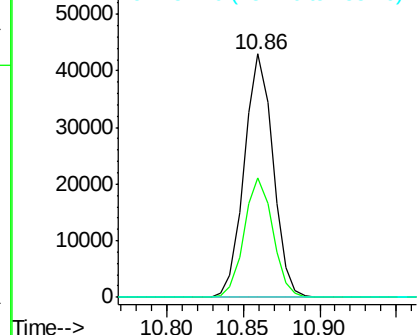
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.7	74.1
254	0.1	0.2	0.2

Manual Integrations
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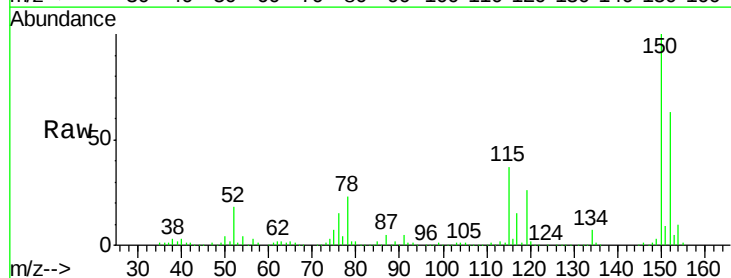


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

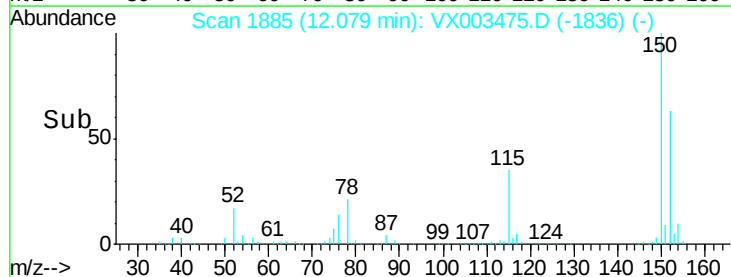
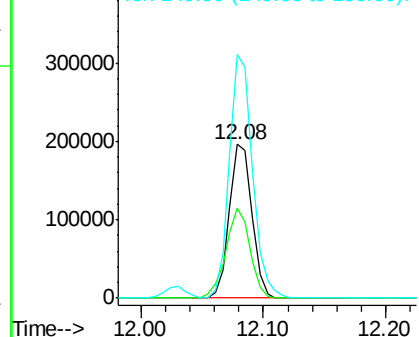


#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX003475.D
Acq: 19 Jul 2018 21:01

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.0	40.1	120.2
150	163.0	0.0	347.2



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





#73

Isopropylbenzene

Concen: 20.47 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.01 min

Lab File: VX003475.D

Acq: 19 Jul 2018 21:01

Instrument :

MSVOA_X

ClientSampleId :

VX0719WBSD01

Tot Ion: 105 Resp: 353161

Ion Ratio Lower Upper

105 100

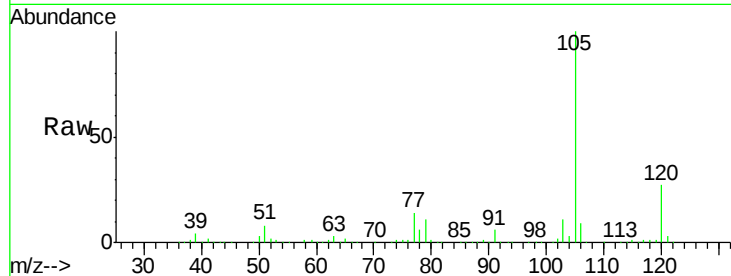
120 26.9 13.5 40.4

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

300000

250000

200000

150000

100000

50000

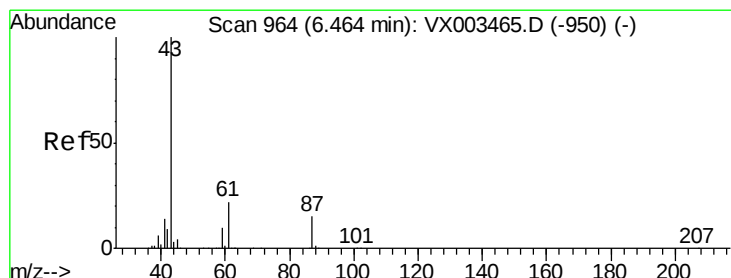
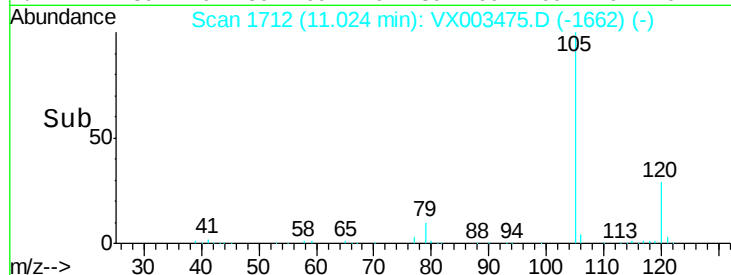
0

11.02

11.00

11.10

Time-->



#74

N-ethyl acetate

Concen: 20.85 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.01 min

Lab File: VX003475.D

Acq: 19 Jul 2018 21:01

Tgt Ion: 43 Resp: 152721

Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

61 21.0 14.4 21.6

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

80000

60000

40000

20000

0

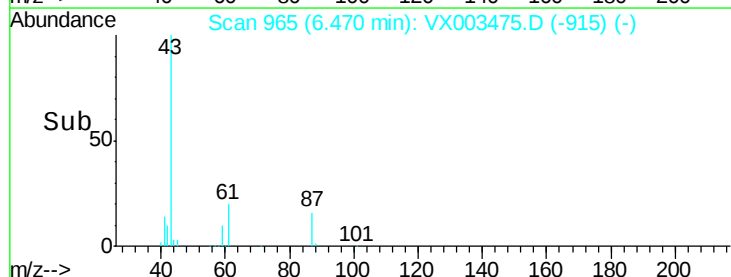
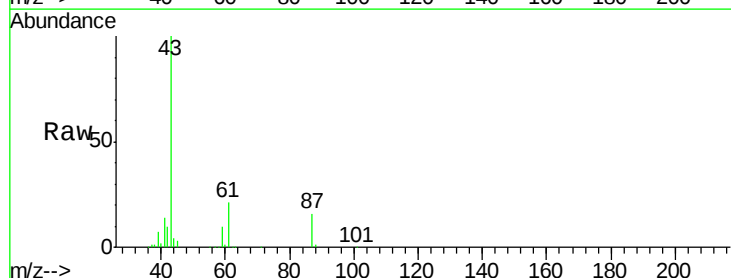
6.47

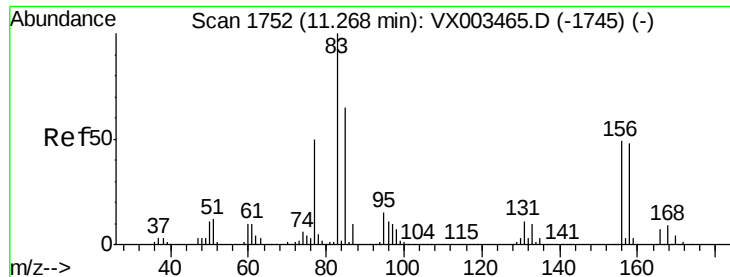
6.40

6.50

6.60

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.96 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.00 min

Lab File: VX003475.D

Acq: 19 Jul 2018 21:01

Instrument :

MSVOA_X

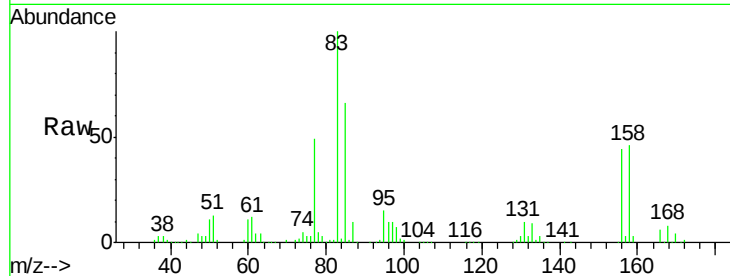
ClientSampleId :

VX0719WBSD01

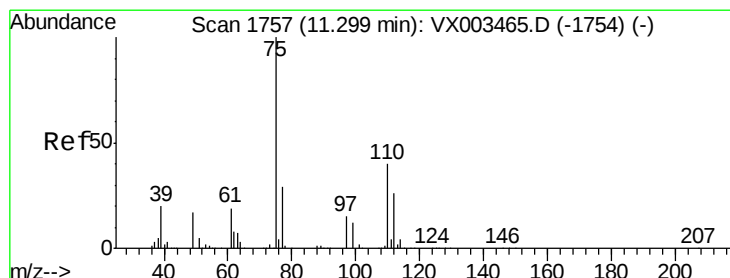
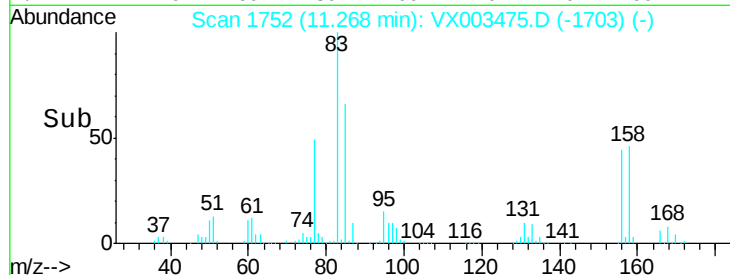
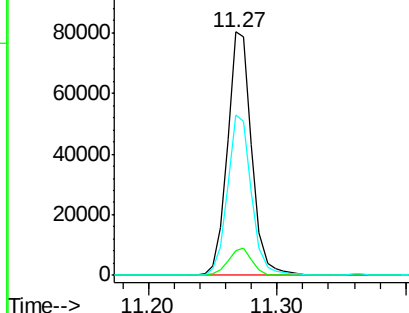
Tot Ion:	83	Resp:	105977
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.6	16.8
85	65.3	32.4	97.2

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 21.33 ug/l m

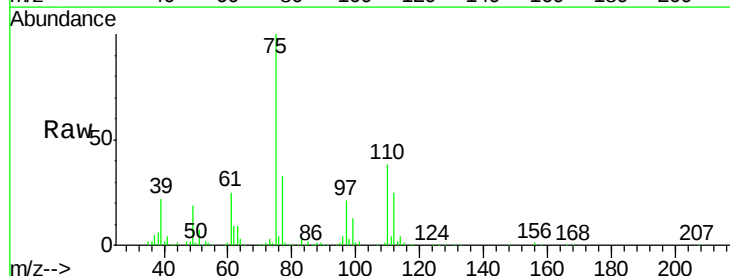
RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

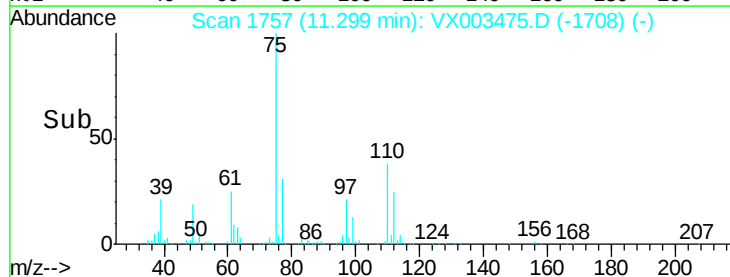
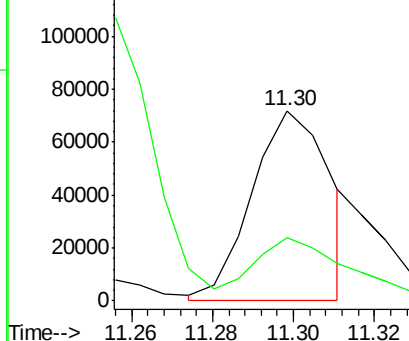
Lab File: VX003475.D

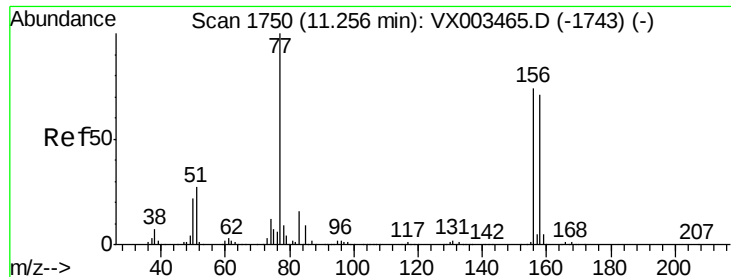
Acq: 19 Jul 2018 21:01

Tgt Ion:	75	Resp:	95579
Ion Ratio	Lower	Upper	
75	100		
77	41.2	22.8	68.3



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





#77

Bromobenzene

Concen: 19.75 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX003475.D

Acq: 19 Jul 2018 21:01

Instrument :

MSVOA_X

ClientSampleId :

VX0719WBSD01

Tot Ion:156 Resp: 98026

Ion Ratio Lower Upper

156 100

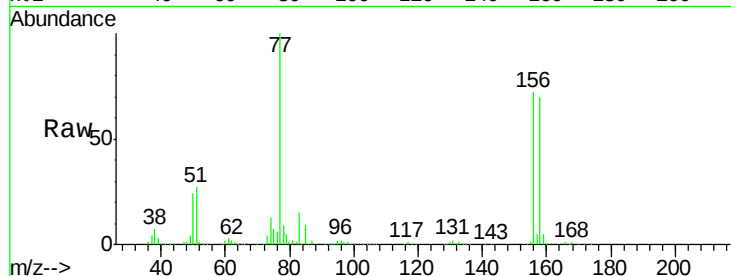
77 137.6 71.4 214.2

158 97.9 48.9 146.6

Manual Integrations
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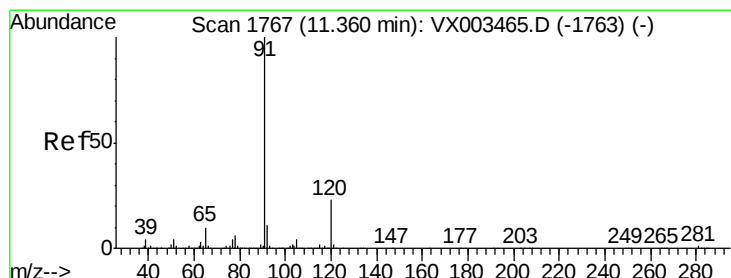
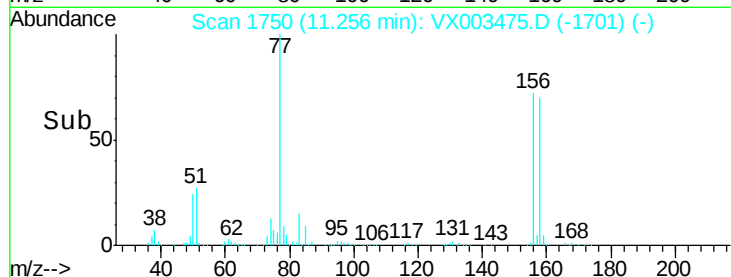
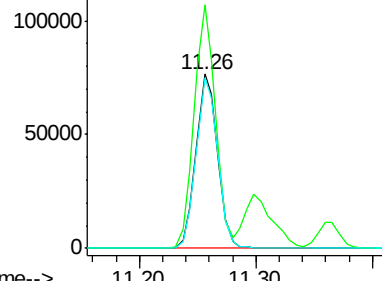
7/20/2018 5:22:14 PM



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: 20.68 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX003475.D

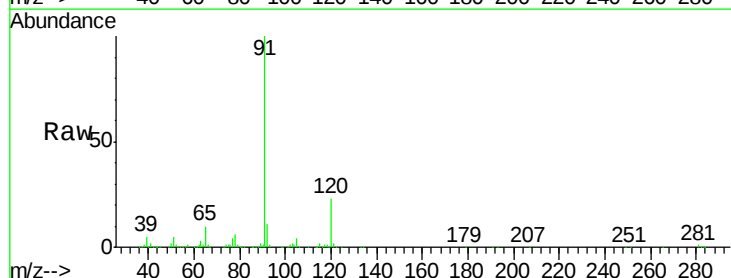
Acq: 19 Jul 2018 21:01

Tgt Ion: 91 Resp: 396533

Ion Ratio Lower Upper

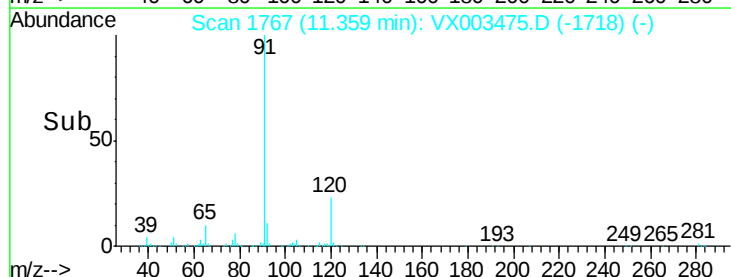
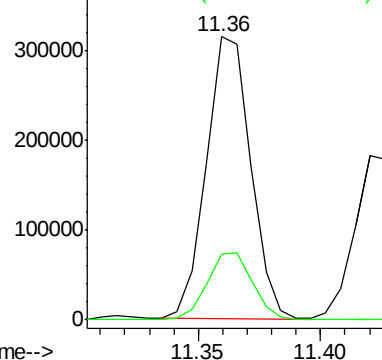
91 100

120 24.3 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





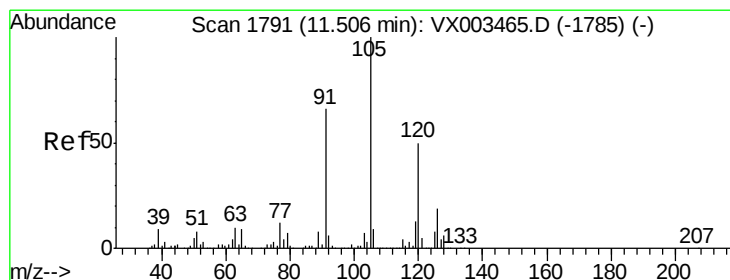
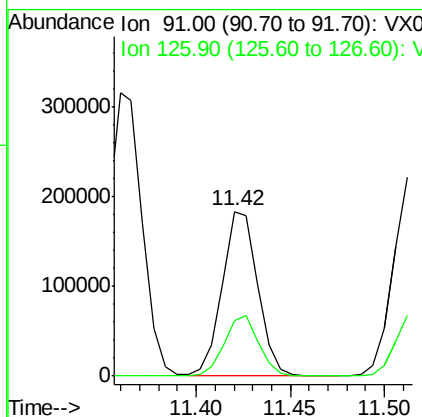
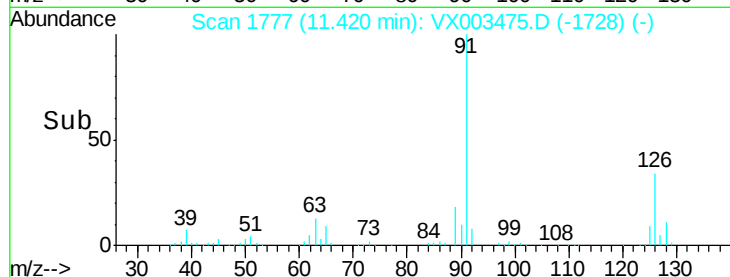
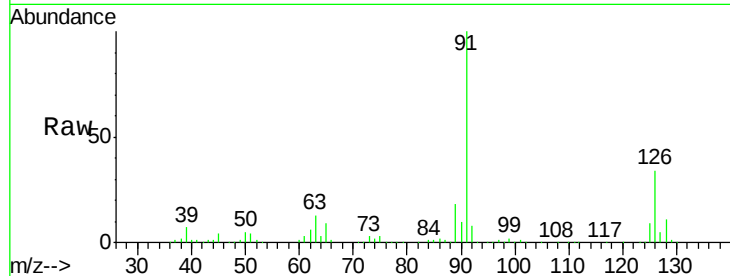
#79
 2-Chlorotoluene
 Concen: 20.47 ug/l
 RT: 11.42 min Scan# 1777
 Delta R.T. -0.00 min
 Lab File: VX003475.D
 Acq: 19 Jul 2018 21:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0719WBSD01

Tot Ion: 91 Resp: 238317
 Ion Ratio Lower Upper
 91 100
 126 35.9 17.7 53.1

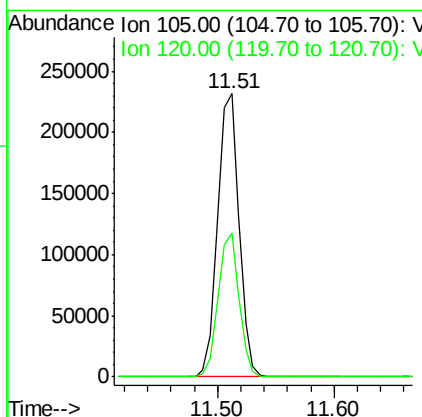
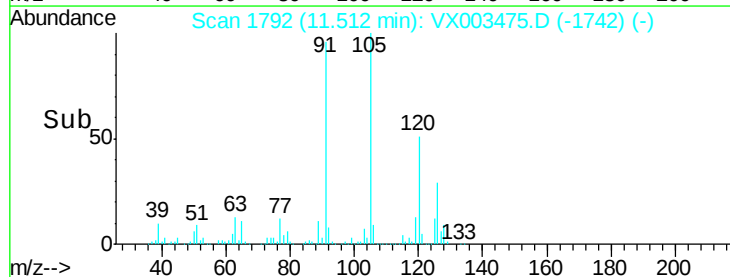
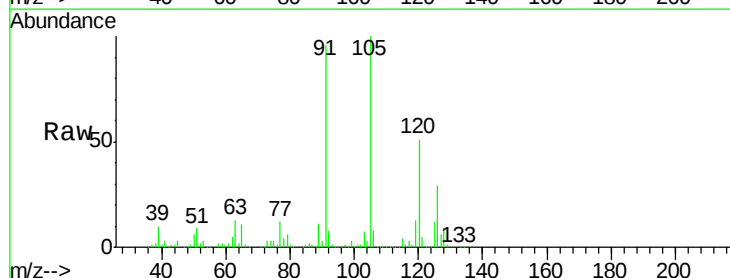
Manual Integrations
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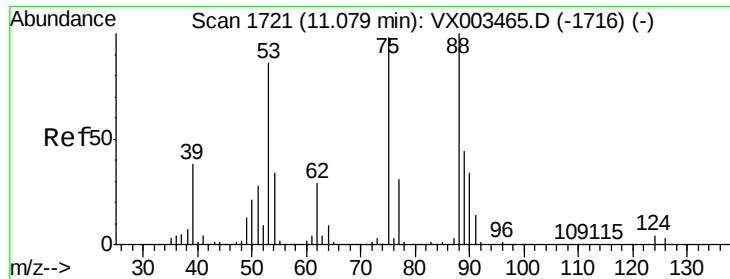
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.54 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. 0.01 min
 Lab File: VX003475.D
 Acq: 19 Jul 2018 21:01

Tgt Ion:105 Resp: 291218
 Ion Ratio Lower Upper
 105 100
 120 49.7 24.4 73.4





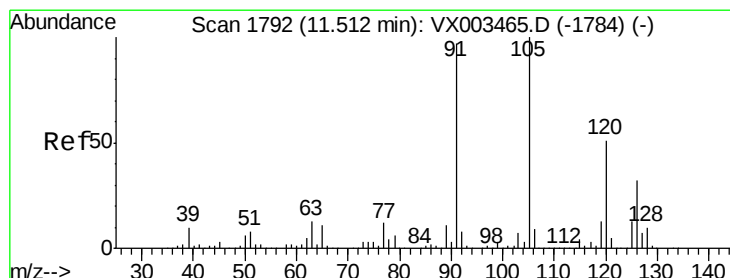
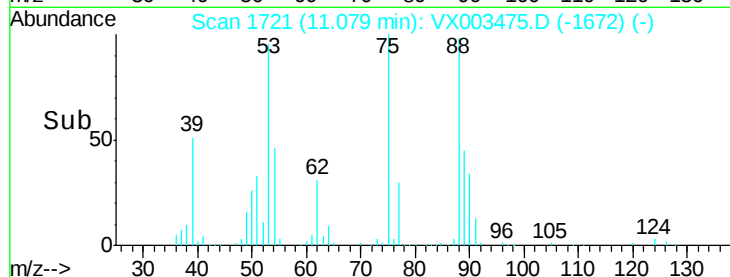
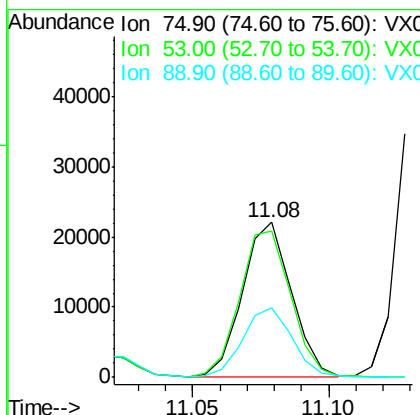
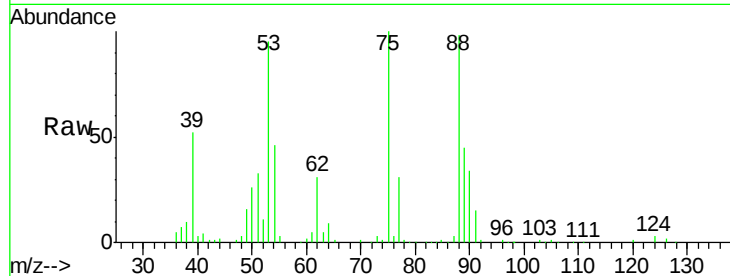
#81
trans-1,4-Dichloro-2-butene
Concen: 18.82 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX003475.D
Acq: 19 Jul 2018 21:01

Instrument :
MSVOA_X
ClientSampleId :
VX0719WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.5	86.8	130.2
89	46.5	38.2	57.2

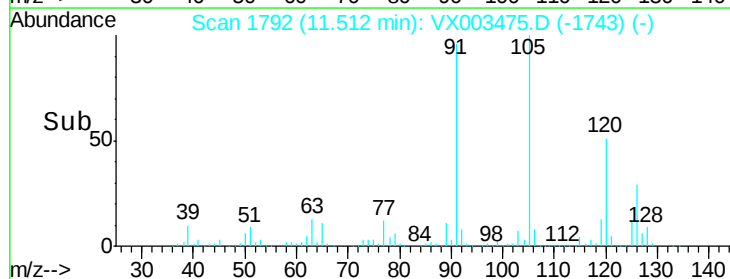
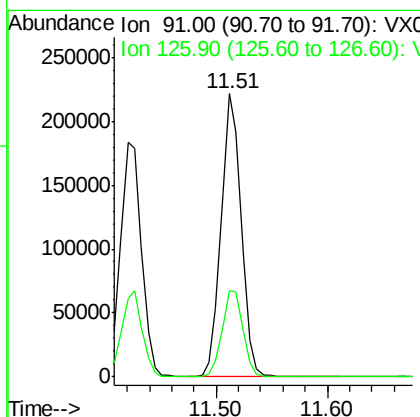
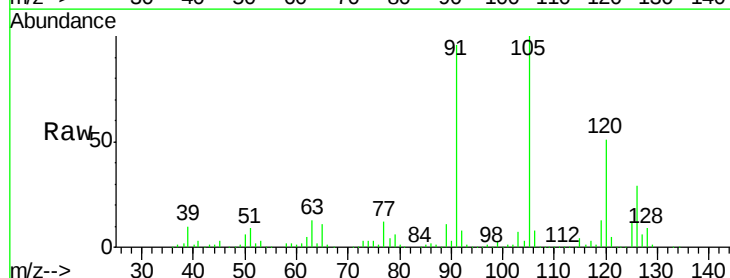
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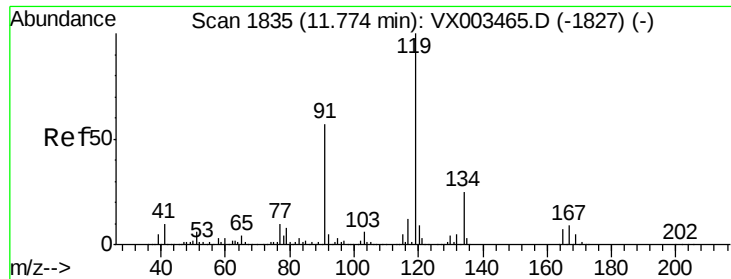
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#82
4-Chlorotoluene
Concen: 20.30 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX003475.D
Acq: 19 Jul 2018 21:01

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.8	15.4	46.4





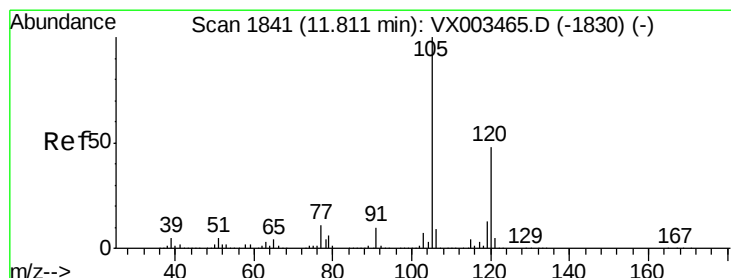
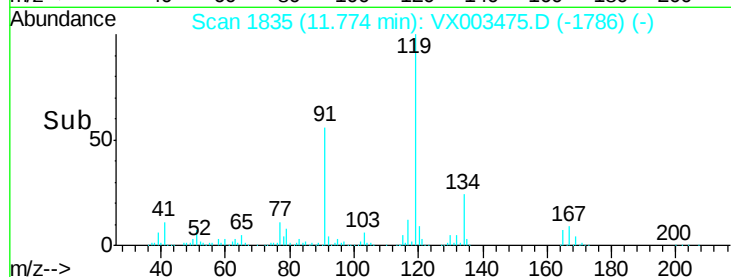
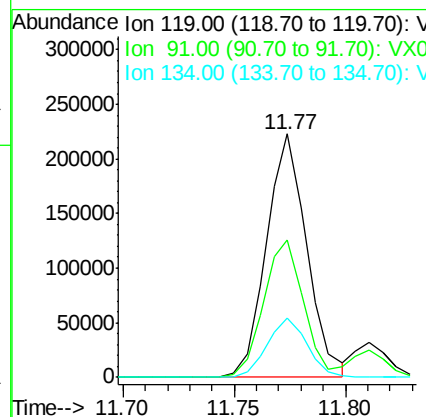
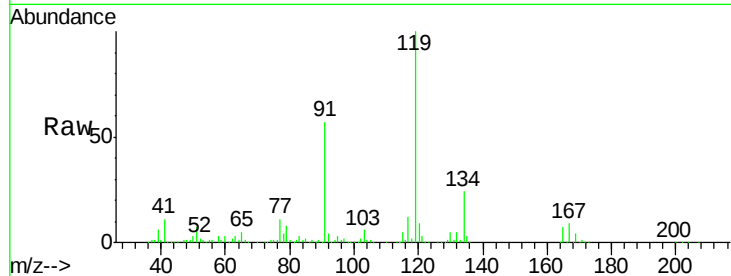
#83
 tert-Butylbenzene
 Concen: 20.19 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX003475.D
 Acq: 19 Jul 2018 21:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0719WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	55.4	30.3	90.9
134	24.1	11.7	35.1

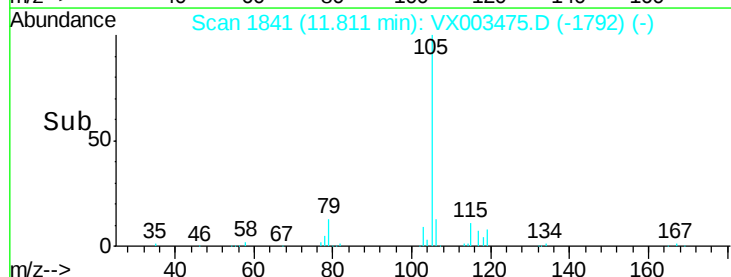
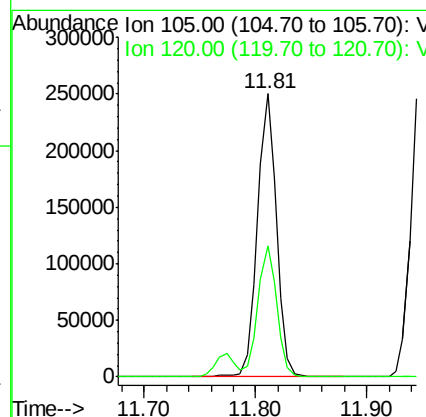
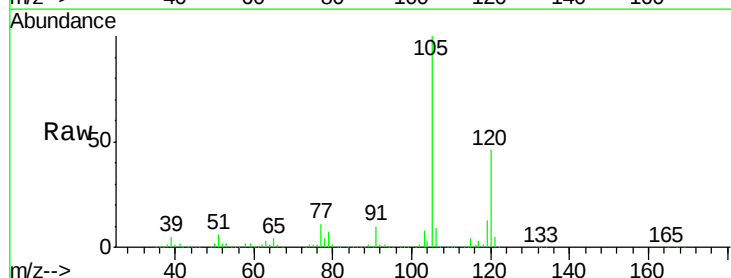
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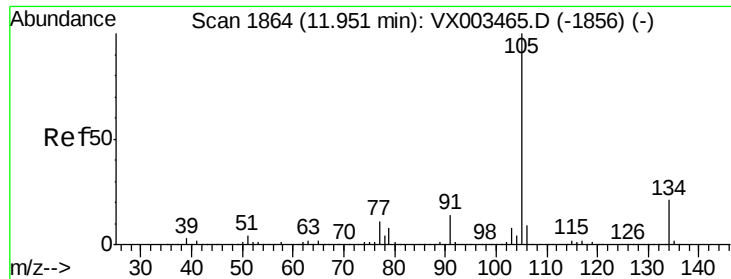
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.70 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX003475.D
 Acq: 19 Jul 2018 21:01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	22.3	66.8





#85

sec-Butylbenzene

Concen: 20.18 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX003475.D

Acq: 19 Jul 2018 21:01

Instrument :

MSVOA_X

ClientSampleId :

VX0719WBSD01

Tot Ion:105 Resp: 340435

Ion Ratio Lower Upper

105 100

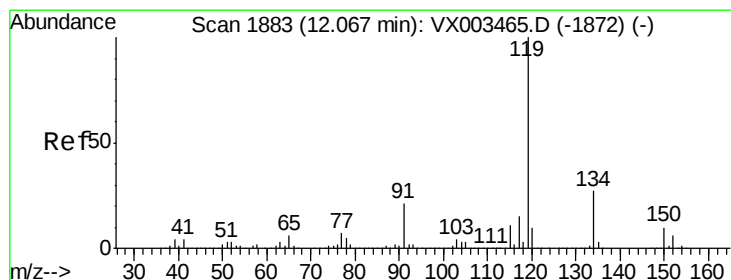
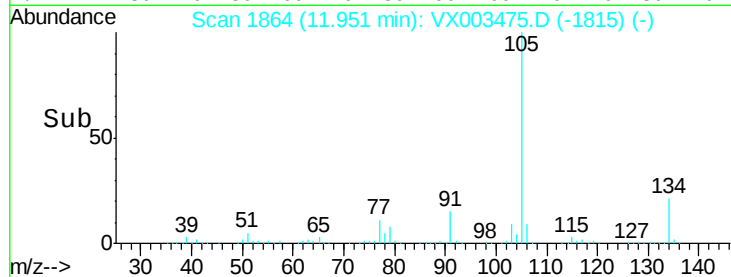
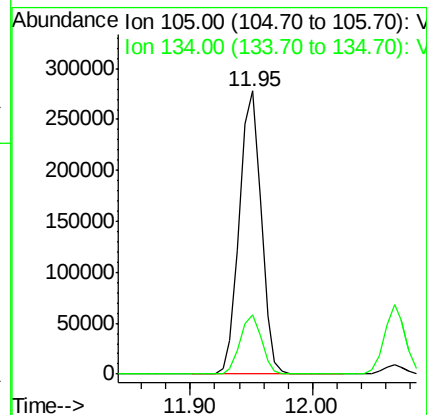
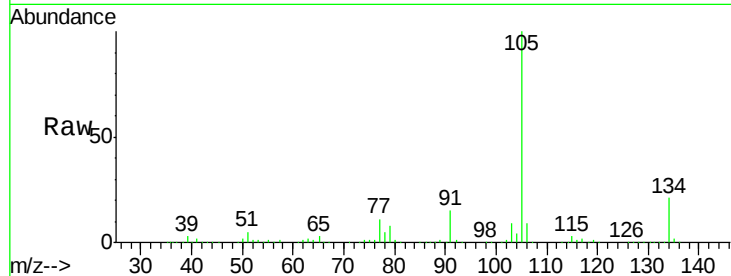
134 20.7 10.4 31.1

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#86

p-Isopropyltoluene

Concen: 20.20 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX003475.D

Acq: 19 Jul 2018 21:01

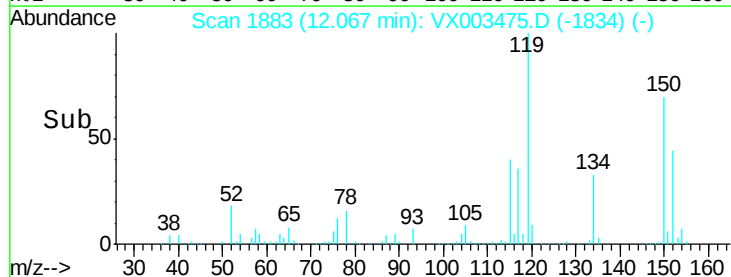
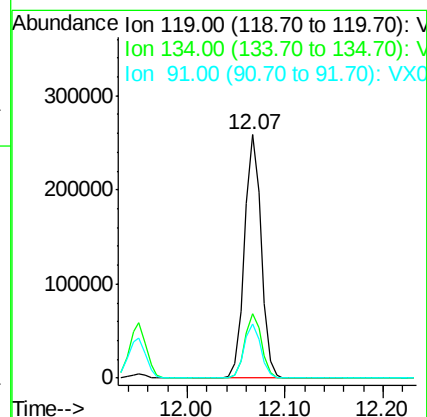
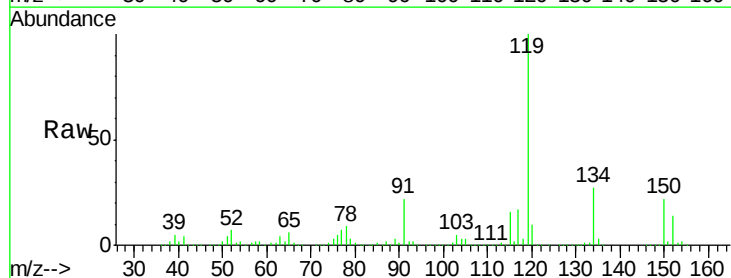
Tgt Ion:119 Resp: 305718

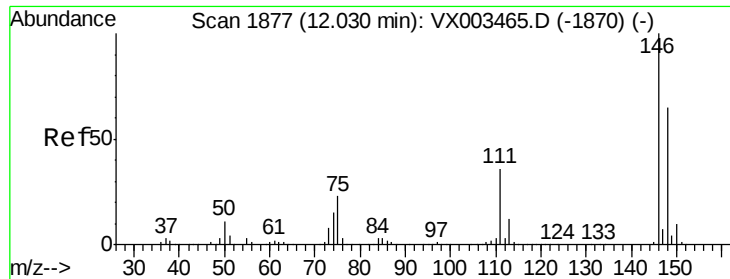
Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.1

91 22.1 11.9 35.7





#87

1,3-Dichlorobenzene

Concen: 19.29 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX003475.D

Acq: 19 Jul 2018 21:01

Instrument :

MSVOA_X

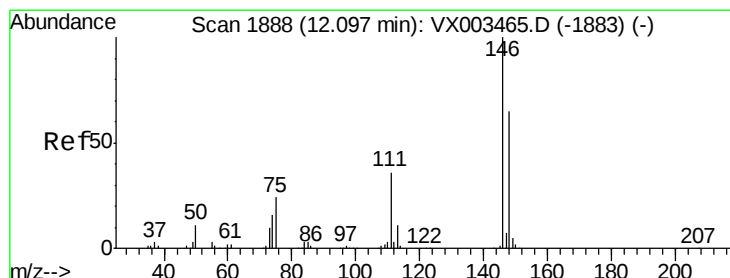
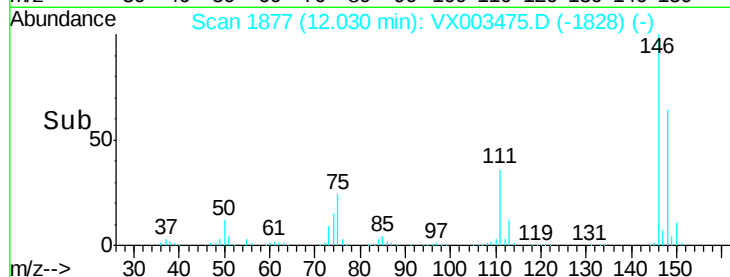
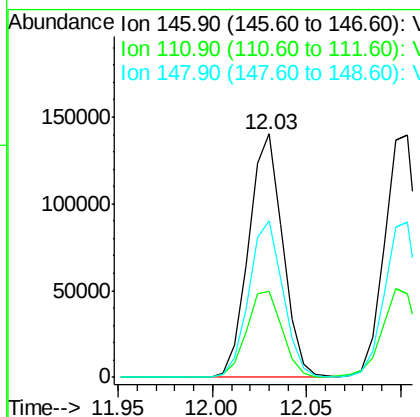
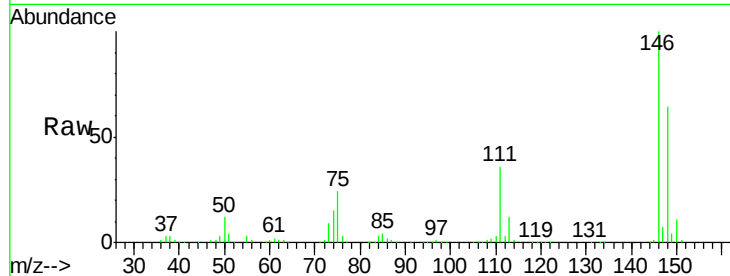
ClientSampled :

VX0719WBSD01

Tot Ion:	146	Resp:	175986
Ion Ratio	Lower	Upper	
146	100		
111	37.0	18.9	56.7
148	64.4	32.1	96.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 18.97 ug/l

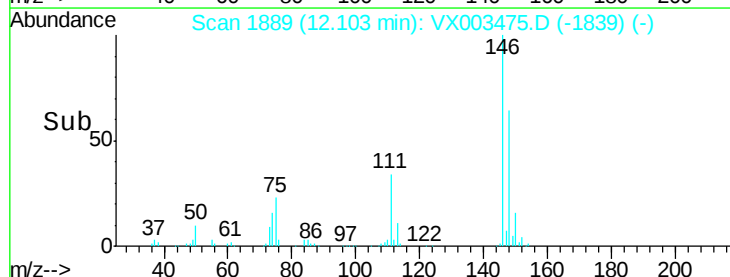
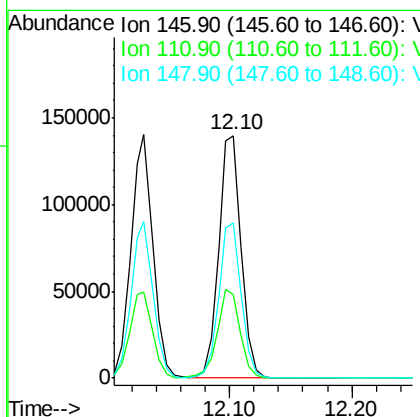
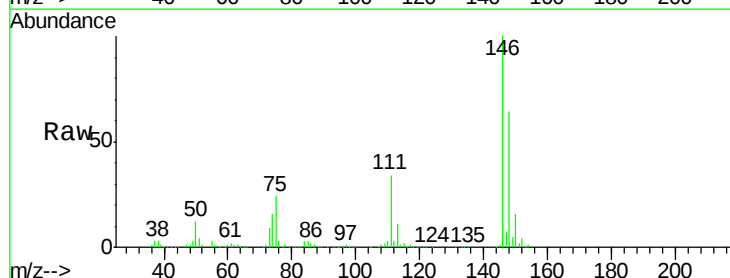
RT: 12.10 min Scan# 1889

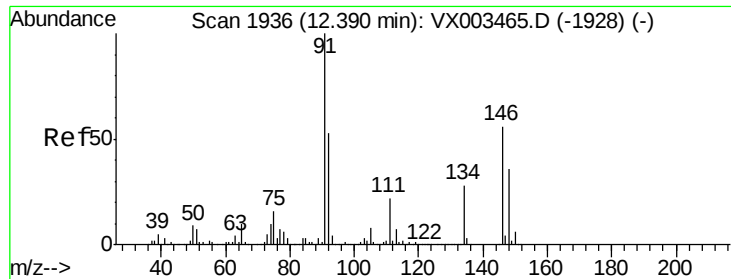
Delta R.T. 0.01 min

Lab File: VX003475.D

Acq: 19 Jul 2018 21:01

Tgt Ion:	146	Resp:	178218
Ion Ratio	Lower	Upper	
146	100		
111	37.3	18.7	56.1
148	64.1	32.4	97.0





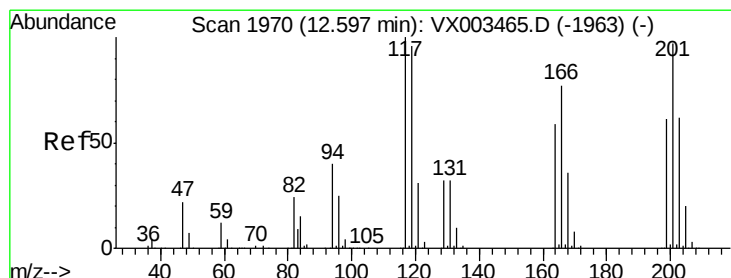
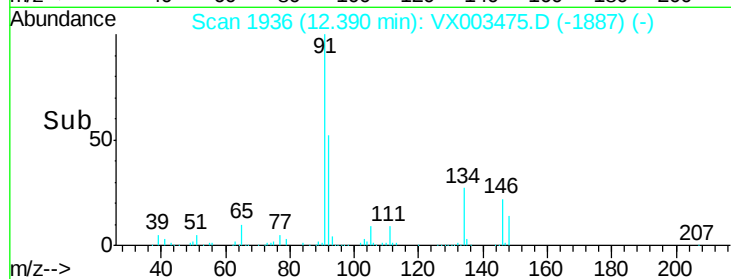
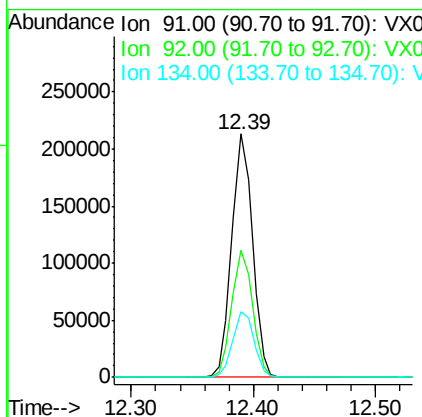
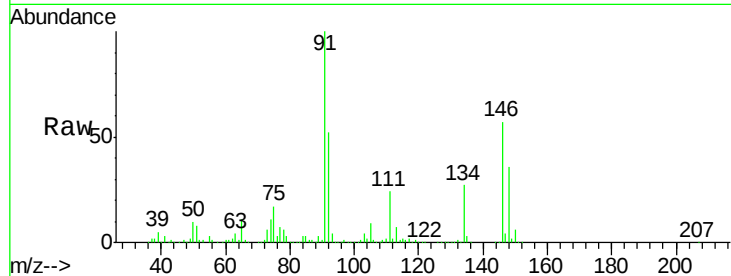
#89
n-Butylbenzene
Concen: 19.47 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX003475.D
Acq: 19 Jul 2018 21:01

Instrument :
MSVOA_X
ClientSampleId :
VX0719WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.0	78.0
134	27.7	13.5	40.5

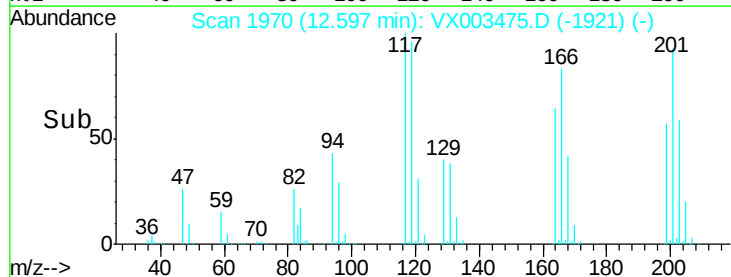
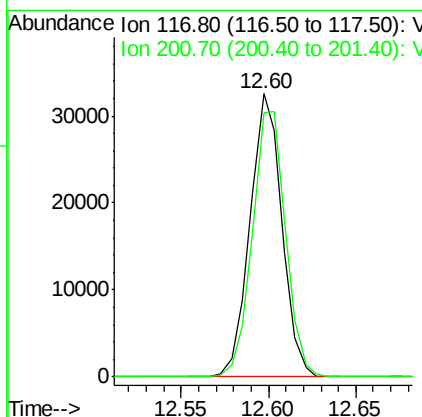
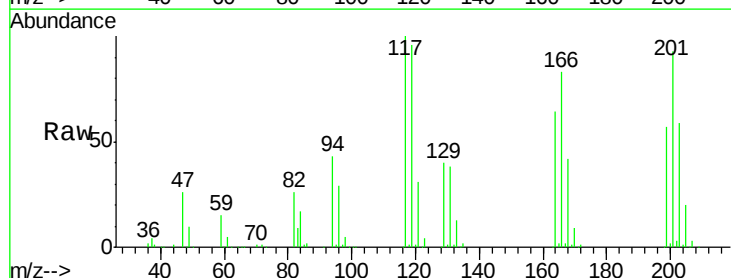
Manual Integrations
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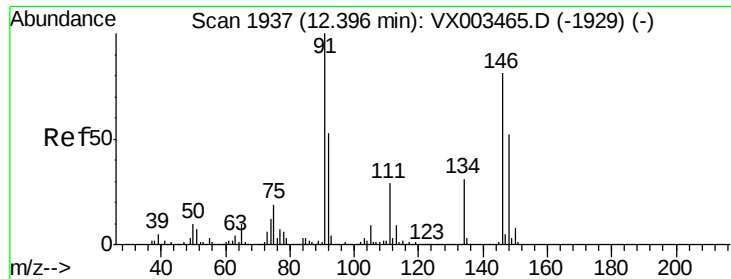
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#90
Hexachloroethane
Concen: 19.24 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX003475.D
Acq: 19 Jul 2018 21:01

Tgt Ion	Ratio	Lower	Upper
117	100		
201	98.1	49.0	147.0





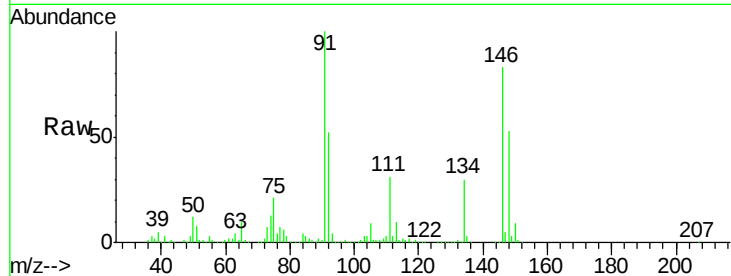
#91
1,2-Dichlorobenzene
Concen: 19.73 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX003475.D
Acq: 19 Jul 2018 21:01

Instrument :
MSVOA_X
ClientSampleId :
VX0719WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.4	58.1
148	64.6	31.7	95.1

Manual Integrations
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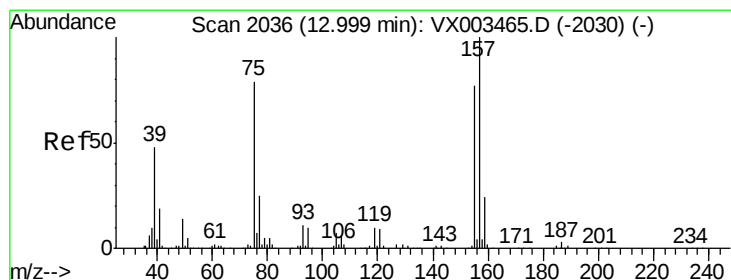
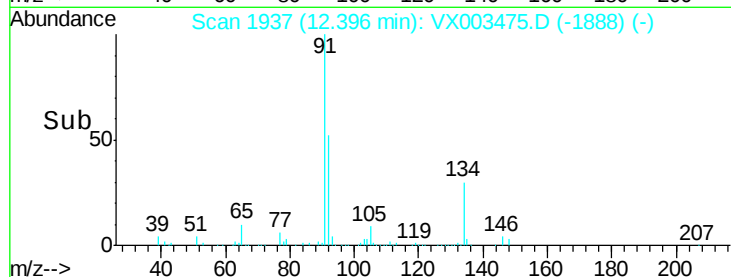
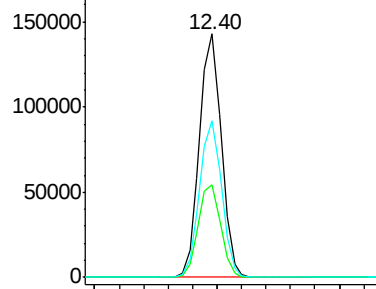


Abundance

Ion 145.90 (145.60 to 146.60): V

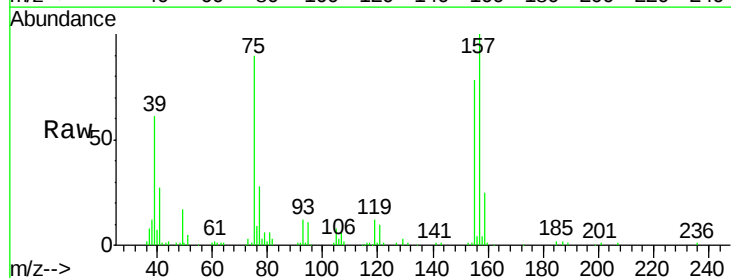
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
1,2-Dibromo-3-Chloropropane
Concen: 20.62 ug/l
RT: 13.00 min Scan# 2036
Delta R.T. -0.00 min
Lab File: VX003475.D
Acq: 19 Jul 2018 21:01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.4	45.8	137.4
157	128.6	60.1	180.3

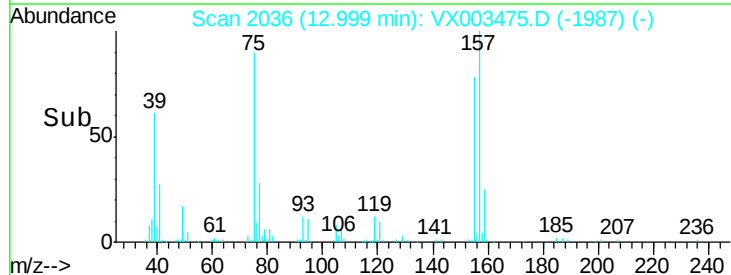
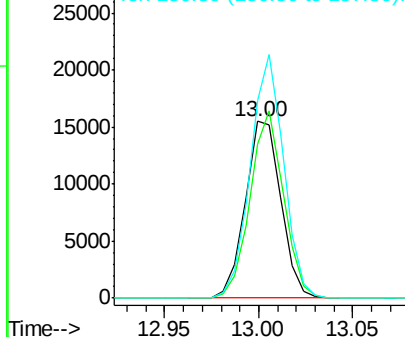


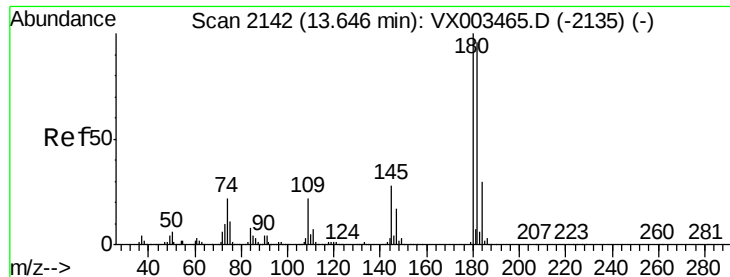
Abundance

Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





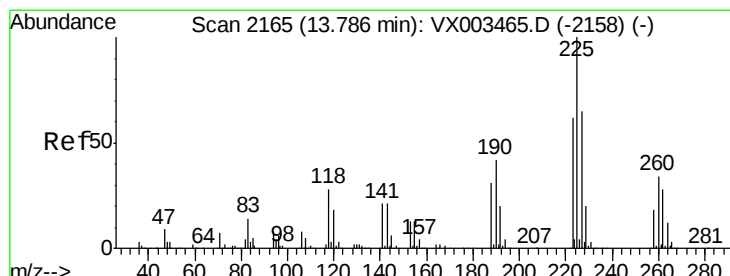
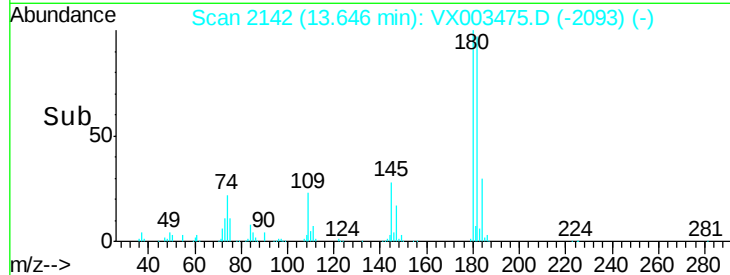
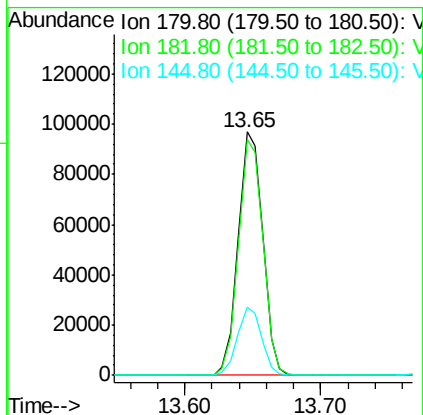
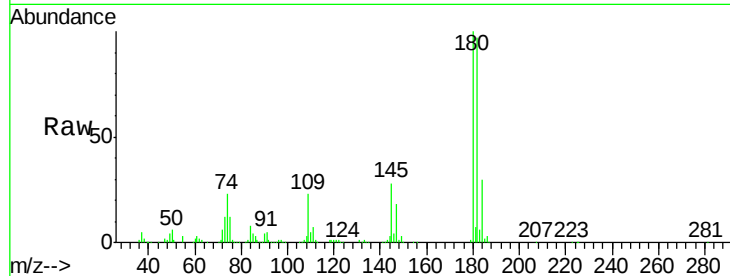
#93
 1,2,4-Trichlorobenzene
 Concen: 18.51 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VX003475.D
 Acq: 19 Jul 2018 21:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0719WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	121950		
182	96.3	47.7	143.1	
145	27.6	14.1	42.4	

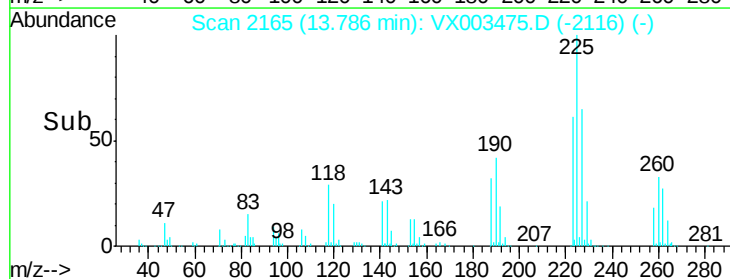
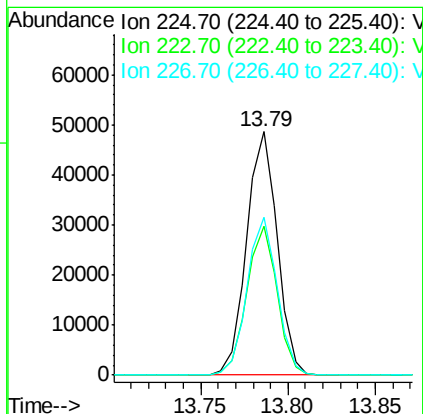
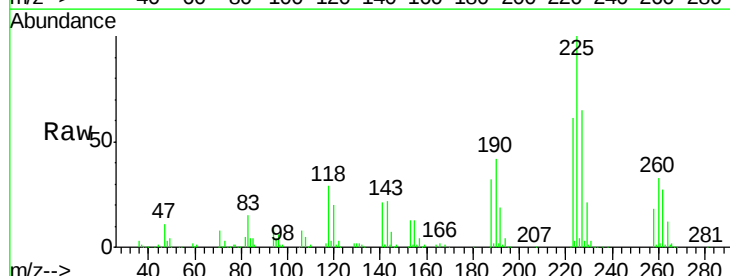
Manual Integrations
 APPROVED

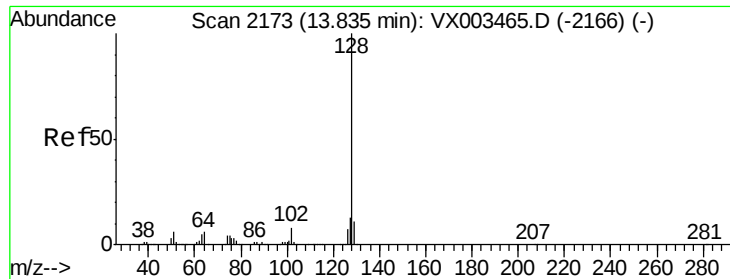
MMDadoda
 7/20/2018 5:22:14 PM



#94
 Hexachlorobutadiene
 Concen: 18.63 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX003475.D
 Acq: 19 Jul 2018 21:01

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	59025		
223	61.0	31.6	95.0	
227	63.7	32.4	97.2	





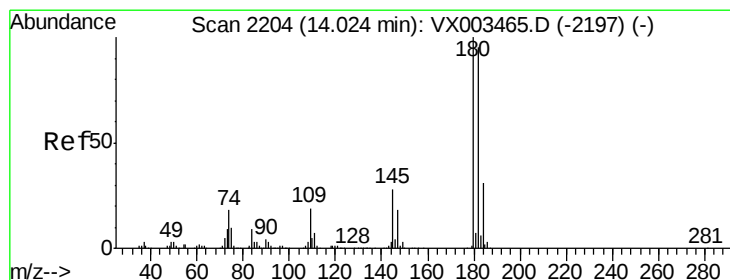
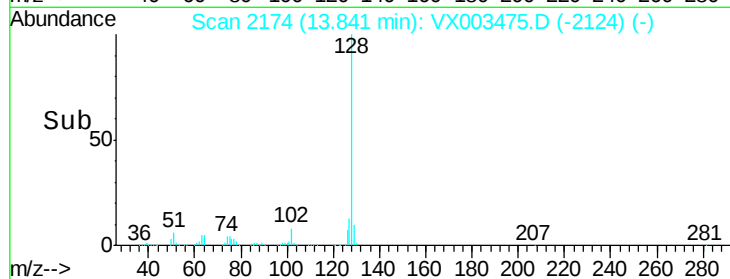
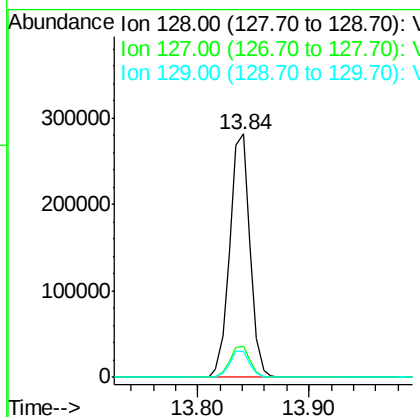
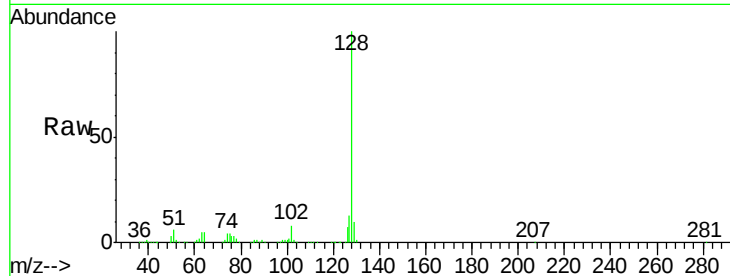
#95
Naphthalene
Concen: 20.35 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.01 min
Lab File: VX003475.D
Acq: 19 Jul 2018 21:01

Instrument :
MSVOA_X
ClientSampleId :
VX0719WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	352400		
127	12.9		10.4	15.6
129	10.8		8.6	13.0

Manual Integrations
APPROVED

MMDadoda
7/20/2018 5:22:14 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.07 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VX003475.D
Acq: 19 Jul 2018 21:01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	124405		
182	97.1		48.0	144.0
145	29.9		14.8	44.3

