

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061318\
 Data File : VX002527.D
 Acq On : 14 Jun 2018 00:28
 Operator : JC/MD
 Sample : VX0613MBSD01
 Misc : 5.00µg/10mL/100µL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0613MBSD01

Manual Integrations
 APPROVED

MMDadoda
 6/14/2018 11:29:27 AM

Quant Time: Jun 14 03:53:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 05 03:22:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	178267	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	269821	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	262851	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	163623	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	138001	54.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.88%	
35) Dibromofluoromethane	5.51	113	103299	48.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.36%	
50) Toluene-d8	8.72	98	382168	46.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.98%	
62) 4-Bromofluorobenzene	11.14	95	145314	46.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	31212	16.843	ug/l	97
3) Chloromethane	1.32	50	42249	18.063	ug/l	98
4) Vinyl Chloride	1.40	62	45431	19.452	ug/l	98
5) Bromomethane	1.64	94	30157	20.872	ug/l	99
6) Chloroethane	1.72	64	32131	21.268	ug/l	97
7) Trichlorofluoromethane	1.93	101	78529	22.068	ug/l	98
8) Diethyl Ether	2.19	74	32282	24.297	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	42898	22.339	ug/l	99
10) Methyl Iodide	2.51	142	50078	18.540	ug/l	98
11) Tert butyl alcohol	3.08	59	73748	131.800	ug/l	98
12) 1,1-Dichloroethene	2.37	96	40398	21.287	ug/l	92
13) Acrolein	2.29	56	18646	66.505	ug/l	99
14) Allyl chloride	2.73	41	84603	20.542	ug/l	99
15) Acrylonitrile	3.15	53	150061	133.810	ug/l	100
16) Acetone	2.45	43	141841	119.356	ug/l	100
17) Carbon Disulfide	2.57	76	80173	16.029	ug/l	99
18) Methyl Acetate	2.78	43	73553	27.591	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	172564	24.912	ug/l	100
20) Methylene Chloride	2.86	84	50539	23.615	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	43710	20.886	ug/l	98
22) Diisopropyl ether	3.88	45	150217	20.969	ug/l	97
23) Vinyl Acetate	3.83	43	644340	96.509	ug/l	100
24) 1,1-Dichloroethane	3.70	63	78072	19.180	ug/l	99
25) 2-Butanone	4.71	43	185052	105.871	ug/l	99
26) 2,2-Dichloropropane	4.59	77	44640	14.030	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	45182	19.852	ug/l	95
28) Bromochloromethane	5.03	49	39413	20.679	ug/l	98
29) Tetrahydrofuran	5.17	42	120309	106.757	ug/l	99
30) Chloroform	5.22	83	82012	20.879	ug/l	97
31) Cyclohexane	5.58	56	57031	17.718	ug/l	95
32) 1,1,1-Trichloroethane	5.50	97	64956	19.500	ug/l	99
36) 1,1-Dichloropropene	5.81	75	51750	18.244	ug/l	98
37) Ethyl Acetate	4.87	43	72014	21.110	ug/l	98
38) Carbon Tetrachloride	5.78	117	53605	18.064	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Tue Jun 05 03:22:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	56014	16.162	ug/l	99
40) Benzene	6.15	78	169017	19.433	ug/l	100
41) Methacrylonitrile	5.07	41	40092	20.530	ug/l	96
42) 1,2-Dichloroethane	6.20	62	71180	20.599	ug/l	100
43) Isopropyl Acetate	6.47	43	114869	19.825	ug/l	100
44) Trichloroethene	7.22	130	46380	19.214	ug/l	95
45) 1,2-Dichloropropane	7.52	63	45763	19.490	ug/l	99
46) Dibromomethane	7.67	93	33257	20.894	ug/l	96
47) Bromodichloromethane	7.90	83	54994	19.103	ug/l	98
48) Methyl methacrylate	7.78	41	59341	20.389	ug/l	98
49) 1,4-Dioxane	7.76	88	24563	451.371	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	393141	108.955	ug/l	99
52) Toluene	8.79	92	108320	19.582	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	62034	17.969	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	56615	17.382	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	48531	21.331	ug/l	98
56) Ethyl methacrylate	9.18	69	70691	19.462	ug/l	98
57) 1,3-Dichloropropane	9.38	76	79713	20.884	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	176638	105.068	ug/l	100
59) 2-Hexanone	9.50	43	299149	107.335	ug/l	100
60) Dibromochloromethane	9.59	129	43583	19.045	ug/l	99
61) 1,2-Dibromoethane	9.68	107	49554	20.889	ug/l	100
64) Tetrachloroethene	9.34	164	51607	19.037	ug/l	96
65) Chlorobenzene	10.14	112	129625	19.819	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.23	131	45920	19.390	ug/l	98
67) Ethyl Benzene	10.26	91	213038	19.463	ug/l	99
68) m/p-Xylenes	10.36	106	162464	38.183	ug/l	100
69) o-Xylene	10.70	106	81910	19.345	ug/l	98
70) Styrene	10.71	104	135708	19.605	ug/l	99
71) Bromoform	10.86	173	32630	17.778	ug/l #	97
73) Isopropylbenzene	11.02	105	217492	19.108	ug/l	100
74) N-amyl acetate	6.47	43	114869	18.729	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	73804	20.616	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	63139m	17.586	ug/l	
77) Bromobenzene	11.26	156	61262	19.171	ug/l	100
78) n-propylbenzene	11.37	91	248180	19.617	ug/l	99
79) 2-Chlorotoluene	11.43	91	150243	18.808	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	186064	19.058	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	14223	13.886	ug/l #	80
82) 4-Chlorotoluene	11.51	91	177558	19.257	ug/l	100
83) tert-Butylbenzene	11.77	119	179037	18.832	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	191848	19.090	ug/l	99
85) sec-Butylbenzene	11.95	105	216953	19.466	ug/l	100
86) p-Isopropyltoluene	12.07	119	194344	19.144	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	110597	19.357	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	113473	19.268	ug/l	99
89) n-Butylbenzene	12.39	91	164611	19.334	ug/l	99
90) Hexachloroethane	12.60	117	26170	16.149	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	116114	19.642	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	15245	19.473	ug/l	95

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ClientSampleId :
VX0613MBSD01

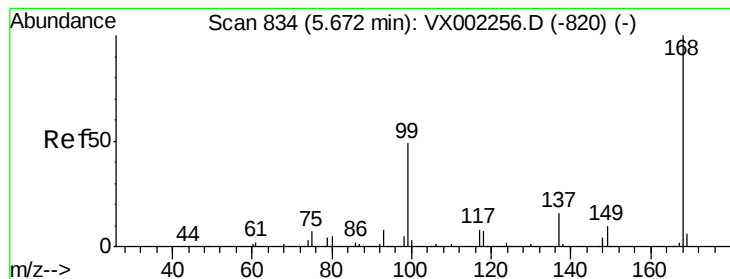
Manual Integrations
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6/14/2018 11:29:27 AM

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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	80919	19.521	ug/l	99
94) Hexachlorobutadiene	13.79	225	40636	19.839	ug/l	99
95) Naphthalene	13.84	128	235258	19.753	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	84945	20.094	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX002527.D

Acq: 14 Jun 2018 00:28

Instrument :

MSVOA_X

ClientSampleId :

VX0613MBSD01

Tot Ion:168 Resp: 178267

Ion Ratio Lower Upper

168 100

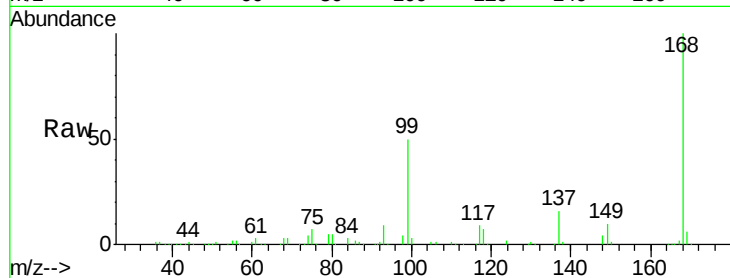
99 50.4 39.3 58.9

Manual Integrations

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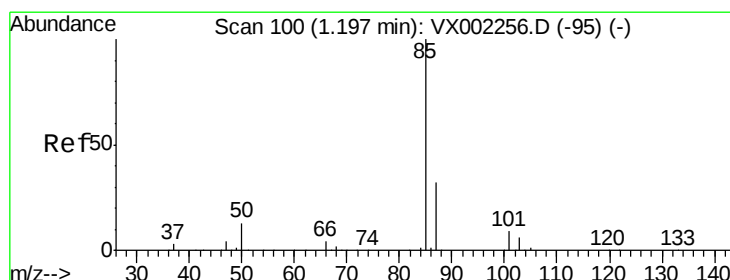
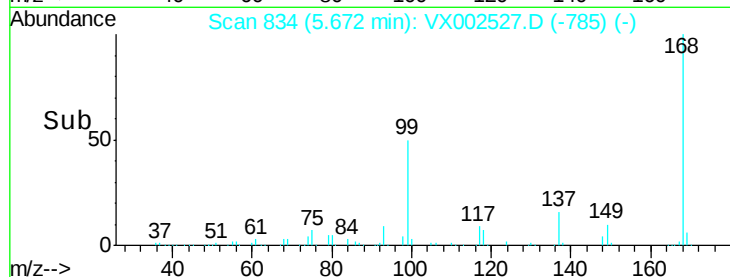
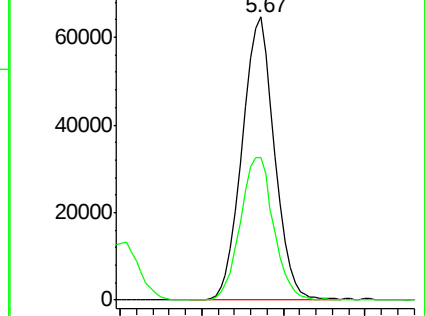
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 16.843 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX002527.D

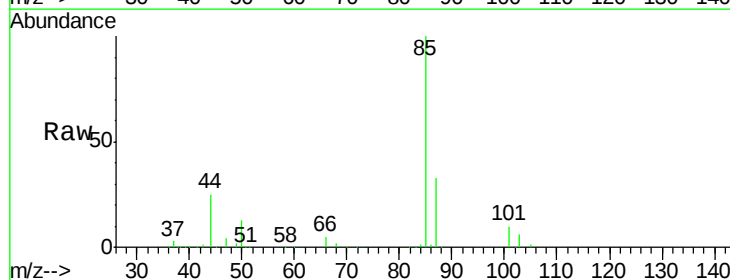
Acq: 14 Jun 2018 00:28

Tgt Ion: 85 Resp: 31212

Ion Ratio Lower Upper

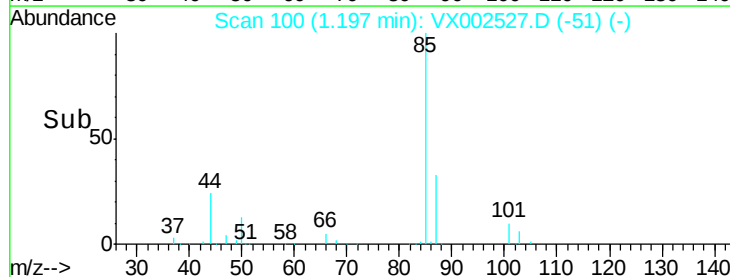
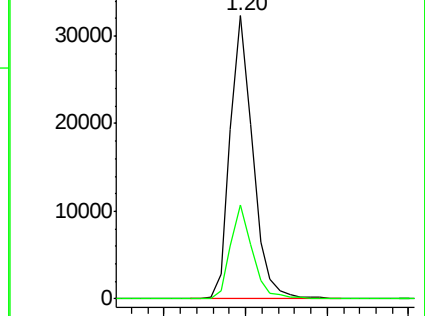
85 100

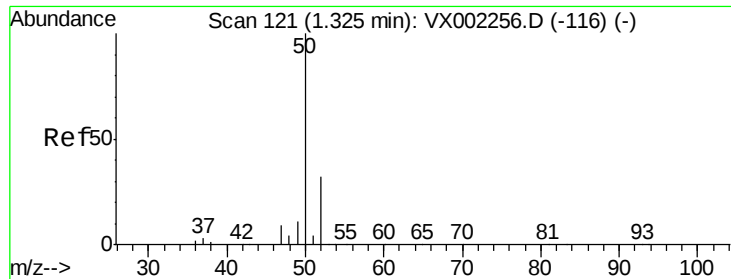
87 33.3 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 18.063 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002527.D

Acq: 14 Jun 2018 00:28

Instrument :

MSVOA_X

ClientSampleId :

VX0613MBSD01

Tot Ion: 50 Resp: 42249

Ion Ratio Lower Upper

50 100

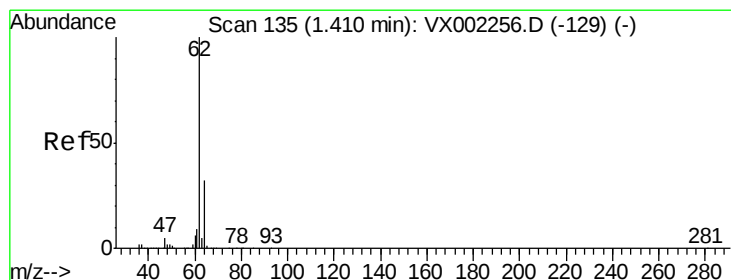
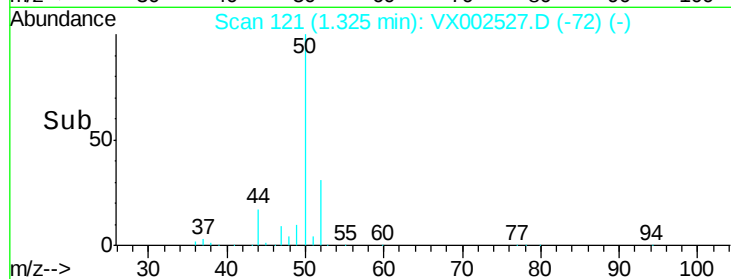
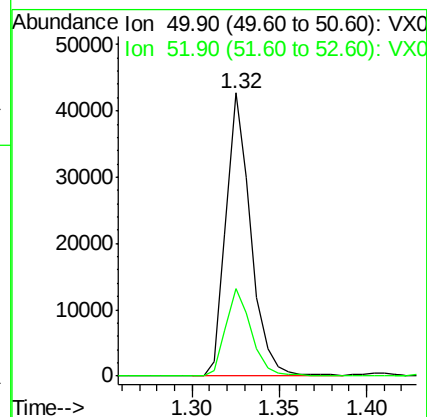
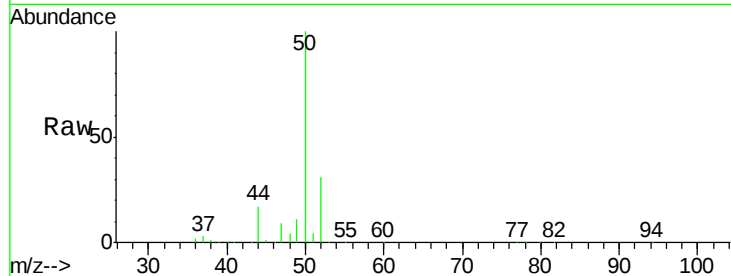
52 31.0 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.452 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX002527.D

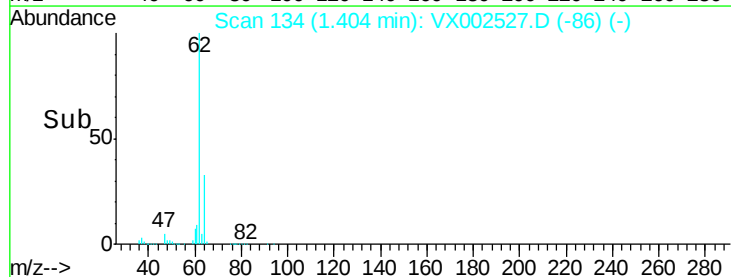
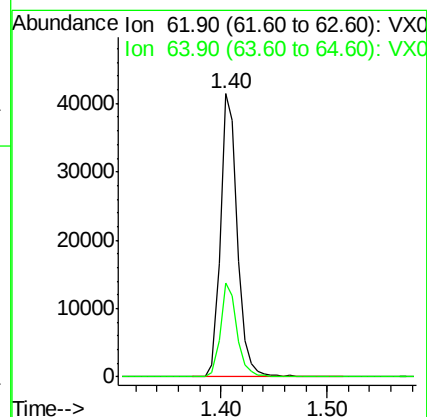
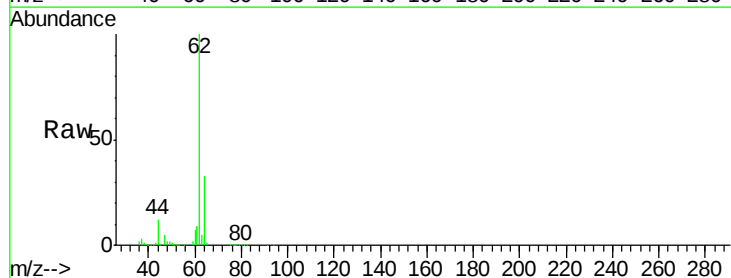
Acq: 14 Jun 2018 00:28

Tgt Ion: 62 Resp: 45431

Ion Ratio Lower Upper

62 100

64 33.0 25.4 38.2





#5

Bromomethane

Concen: 20.872 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002527.D

Acq: 14 Jun 2018 00:28

Instrument :

MSVOA_X

ClientSampleId :

VX0613MBSD01

Tot Ion: 94 Resp: 30157

Ion Ratio Lower Upper

94 100

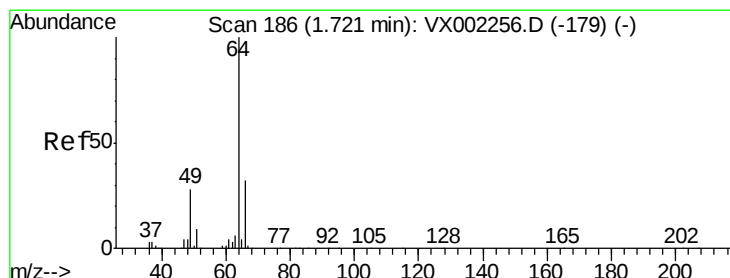
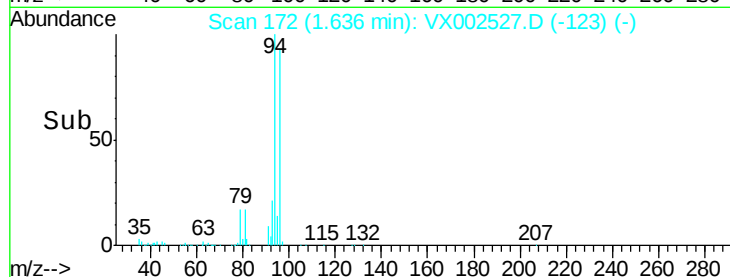
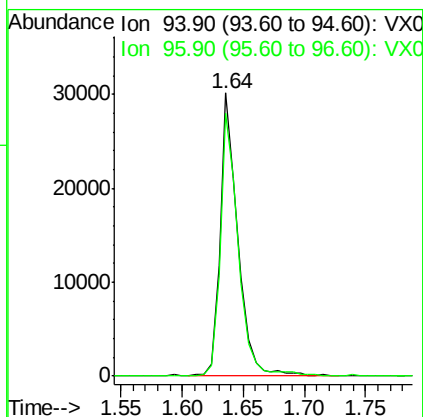
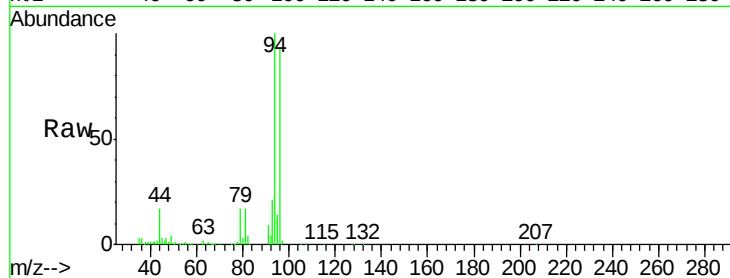
96 93.0 74.9 112.3

Manual Integrations

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#6

Chloroethane

Concen: 21.268 ug/l

RT: 1.72 min Scan# 186

Delta R.T. -0.00 min

Lab File: VX002527.D

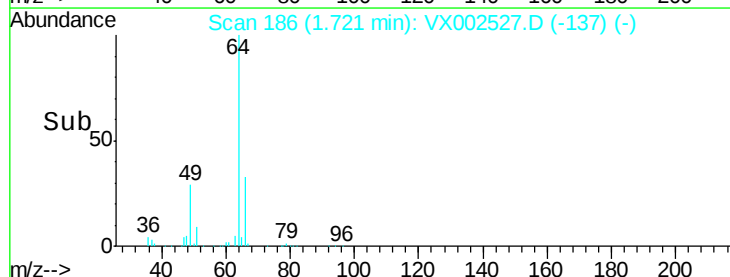
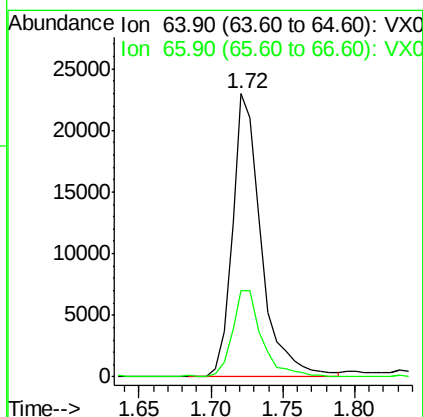
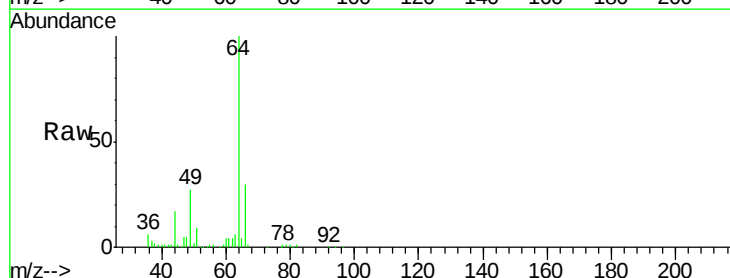
Acq: 14 Jun 2018 00:28

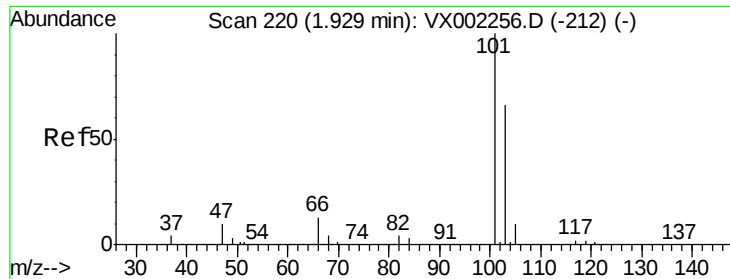
Tgt Ion: 64 Resp: 32131

Ion Ratio Lower Upper

64 100

66 30.0 25.5 38.3





#7

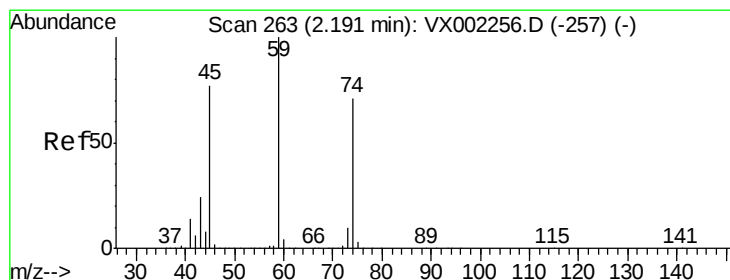
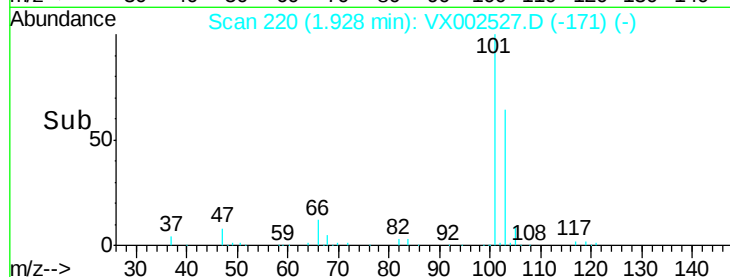
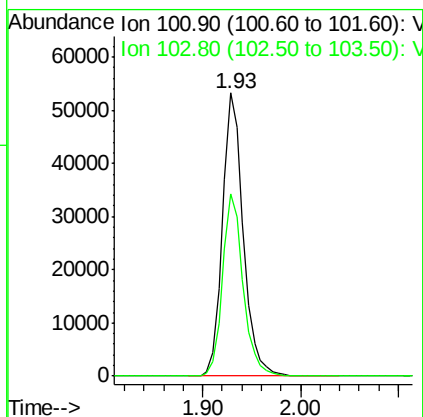
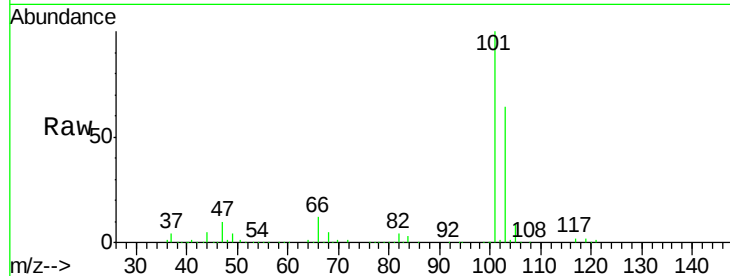
Trichlorofluoromethane
Concen: 22.068 ug/l
RT: 1.93 min Scan# 220
Delta R.T. -0.00 min
Lab File: VX002527.D
Acq: 14 Jun 2018 00:28

Instrument :
MSVOA_X
ClientSampleId :
VX0613MBS01

Tot Ion:101 Resp: 78529
Ion Ratio Lower Upper
101 100
103 64.3 52.8 79.2

Manual Integrations
APPROVED

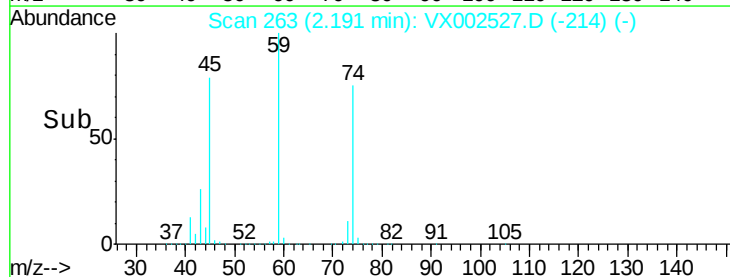
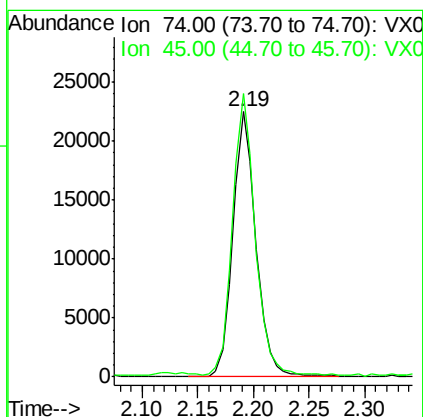
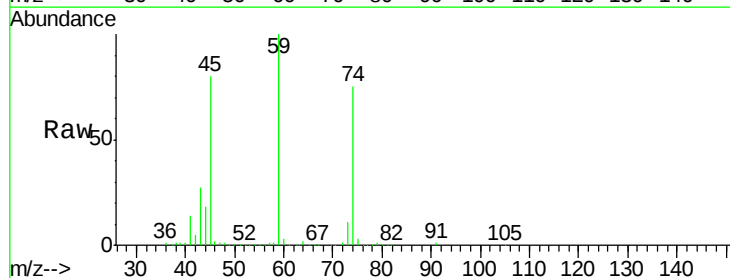
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6/14/2018 11:29:27 AM

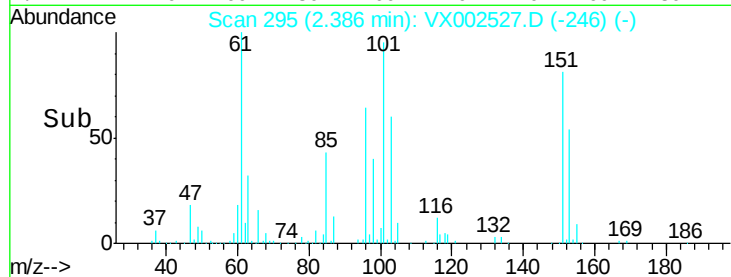
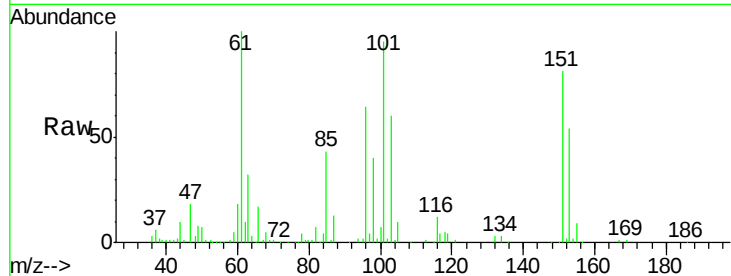
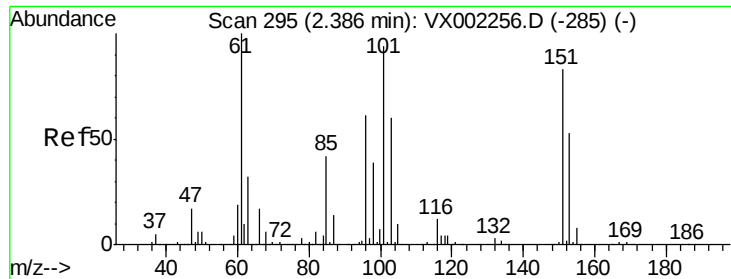


#8

Diethyl Ether
Concen: 24.297 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX002527.D
Acq: 14 Jun 2018 00:28

Tgt Ion: 74 Resp: 32282
Ion Ratio Lower Upper
74 100
45 104.0 53.1 159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.339 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX002527.D

Acq: 14 Jun 2018 00:28

Instrument :

MSVOA_X

ClientSampleId :

VX0613MBS01

Tot Ion:101 Resp: 42898

Ion Ratio Lower Upper

101 100

85 45.5 36.0 54.0

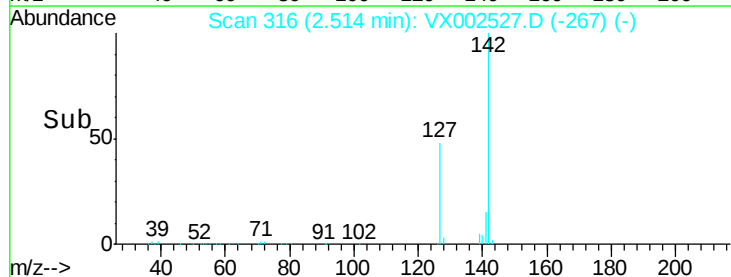
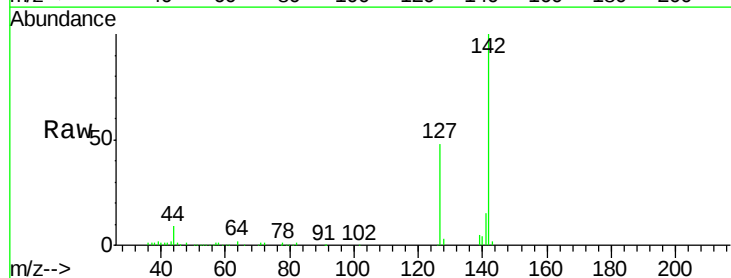
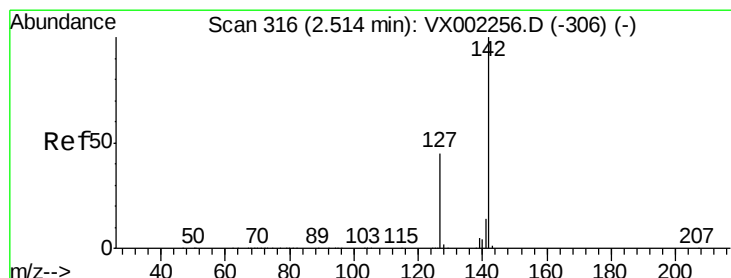
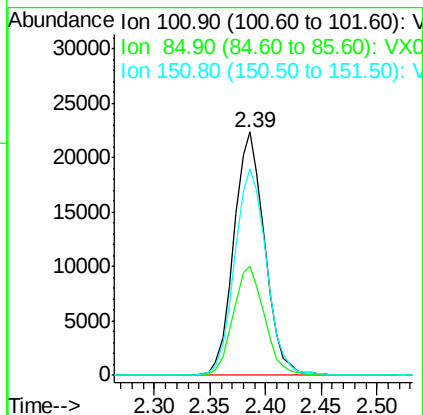
151 87.9 70.9 106.3

Manual Integrations

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#10

Methyl Iodide

Concen: 18.540 ug/l

RT: 2.51 min Scan# 316

Delta R.T. -0.00 min

Lab File: VX002527.D

Acq: 14 Jun 2018 00:28

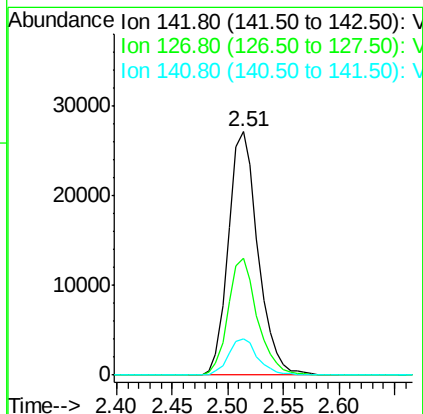
Tgt Ion:142 Resp: 50078

Ion Ratio Lower Upper

142 100

127 47.4 36.6 55.0

141 15.0 11.3 16.9





#11

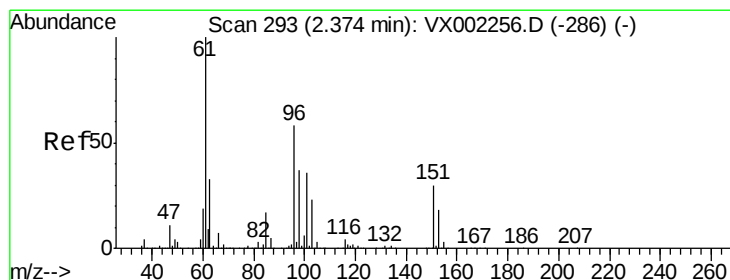
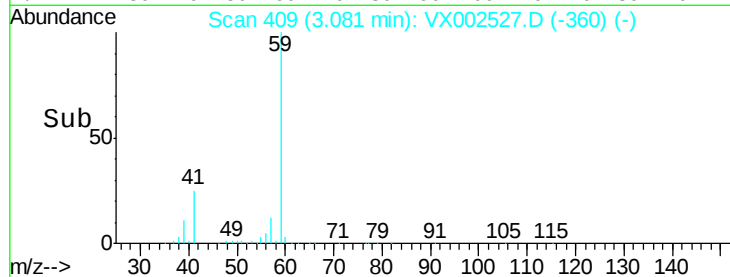
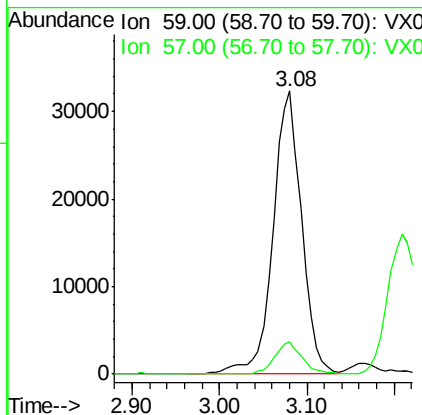
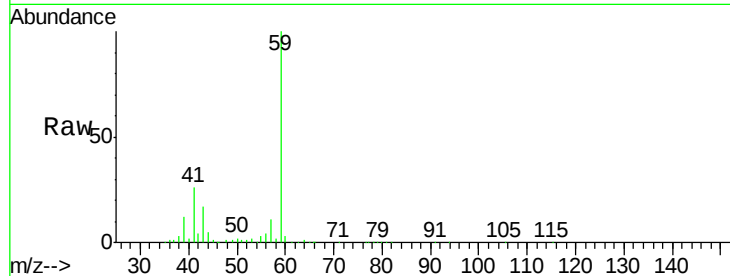
Tert butyl alcohol
Concen: 131.800 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.00 min
Lab File: VX002527.D
Acq: 14 Jun 2018 00:28

Instrument :
MSVOA_X
ClientSampleId :
VX0613MBS01

Tot Ion	59	Resp	73748
Ion Ratio	100	Lower	Upper
57	11.1	8.2	12.2

Manual Integrations
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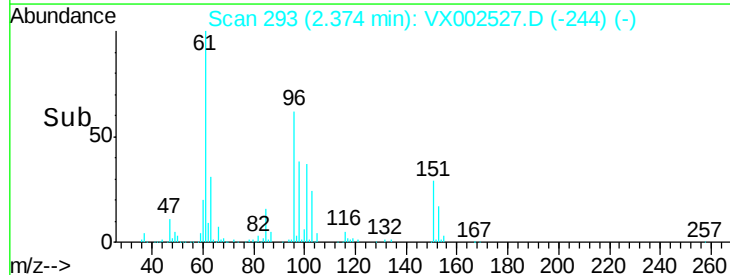
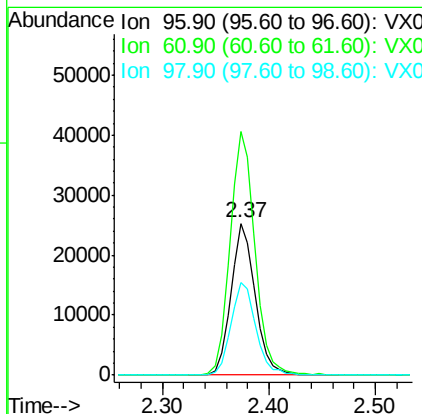
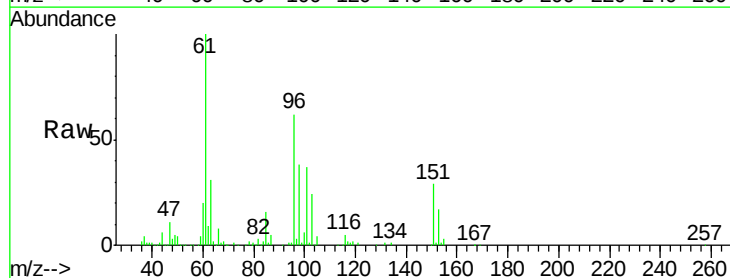
MMDadoda
6/14/2018 11:29:27 AM

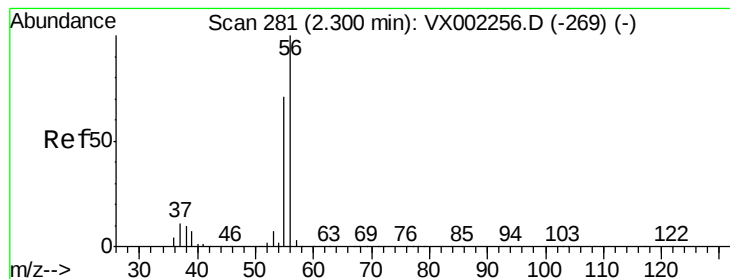


#12

1,1-Dichloroethene
Concen: 21.287 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.00 min
Lab File: VX002527.D
Acq: 14 Jun 2018 00:28

Tgt Ion	96	Resp	40398
Ion Ratio	100	Lower	Upper
61	160.5	137.9	206.9
98	60.8	51.6	77.4





#13

Acrolein

Concen: 66.505 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX002527.D

Acq: 14 Jun 2018 00:28

Instrument :

MSVOA_X

ClientSampleId :

VX0613MBS01

Tot Ion: 56 Resp: 18646

Ion Ratio Lower Upper

56 100

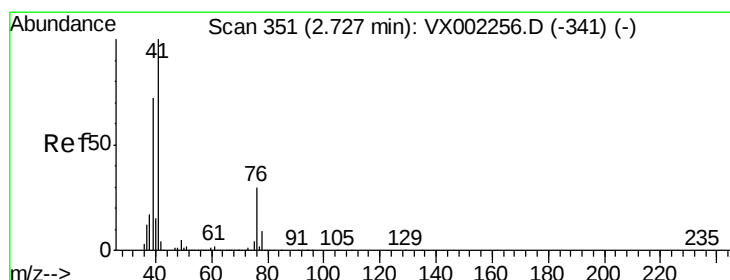
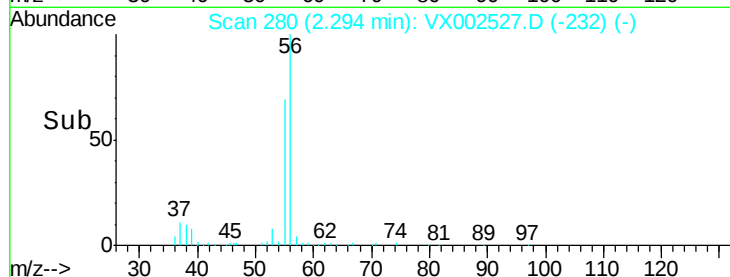
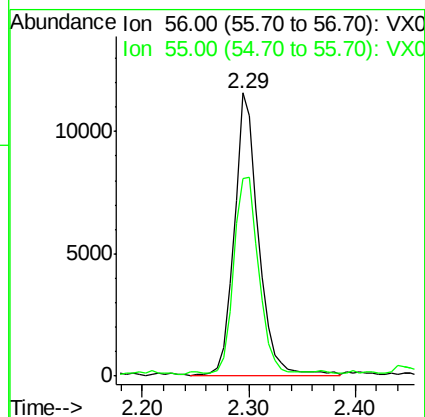
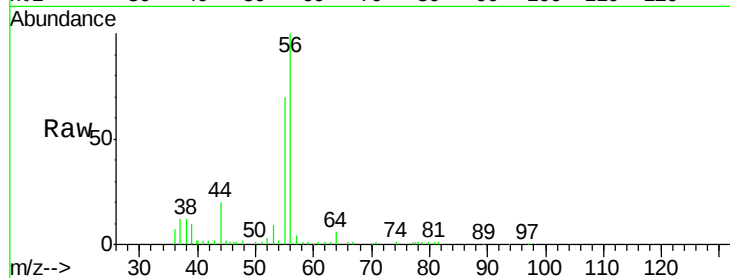
55 70.2 57.0 85.4

Manual Integrations

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#14

Allyl chloride

Concen: 20.542 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX002527.D

Acq: 14 Jun 2018 00:28

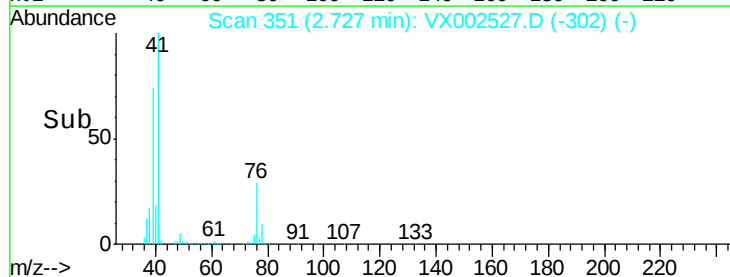
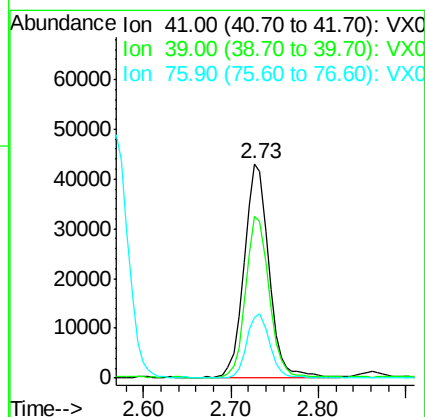
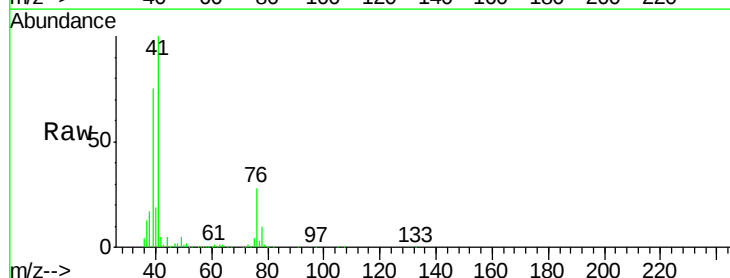
Tgt Ion: 41 Resp: 84603

Ion Ratio Lower Upper

41 100

39 71.5 56.8 85.2

76 27.9 23.8 35.8





#15

Acrylonitrile

Concen: 133.810 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX002527.D

Acq: 14 Jun 2018 00:28

Instrument :

MSVOA_X

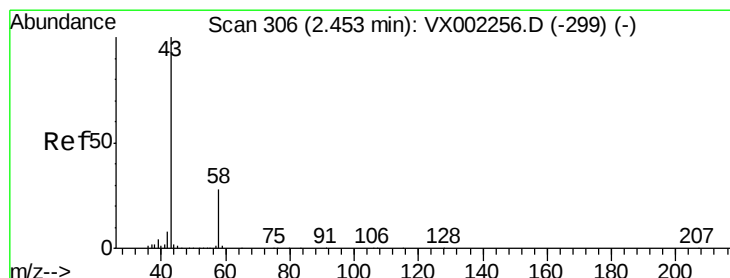
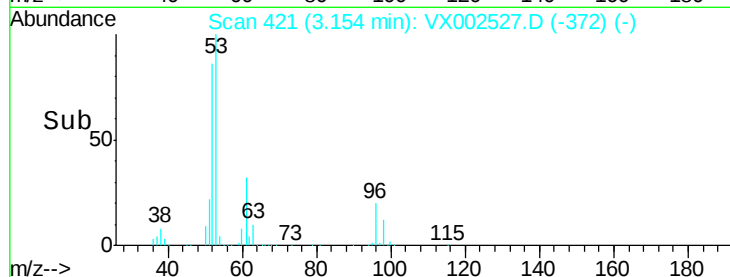
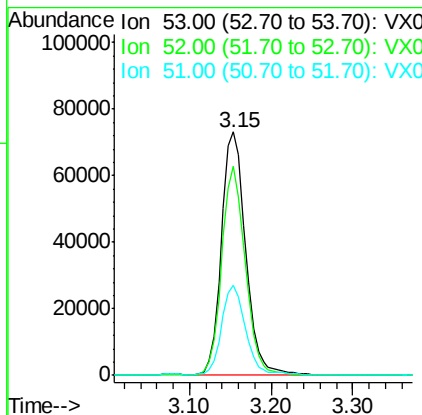
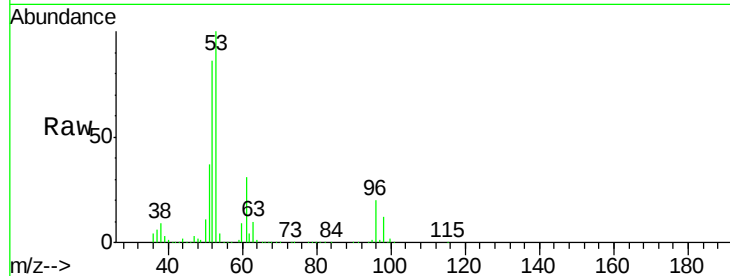
ClientSampleId :

VX0613MBS01

Tot Ion:	53	Resp:	150061
Ion Ratio	Lower	Upper	
53	100		
52	83.4	66.7	100.1
51	36.8	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 119.356 ug/l

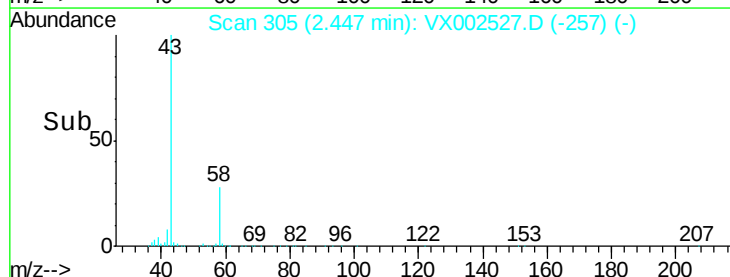
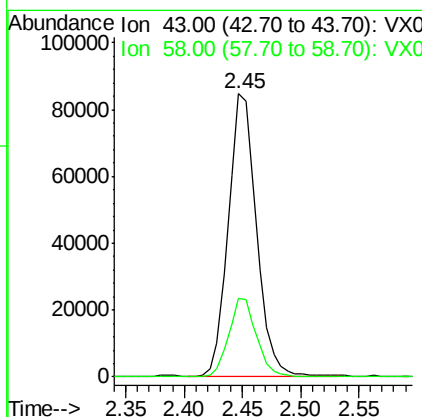
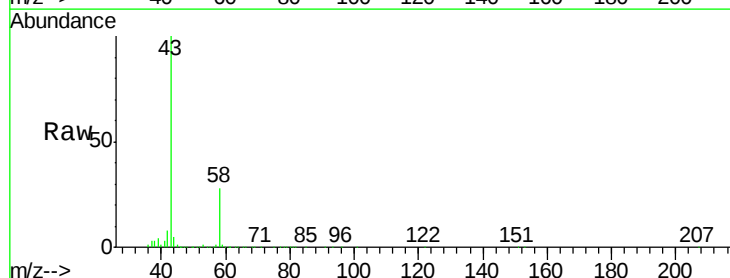
RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX002527.D

Acq: 14 Jun 2018 00:28

Tgt Ion:	43	Resp:	141841
Ion Ratio	Lower	Upper	
43	100		
58	27.6	22.1	33.1





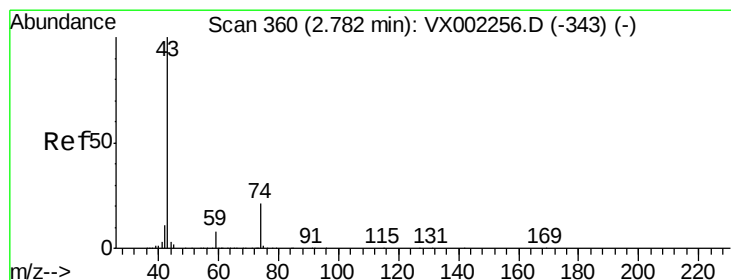
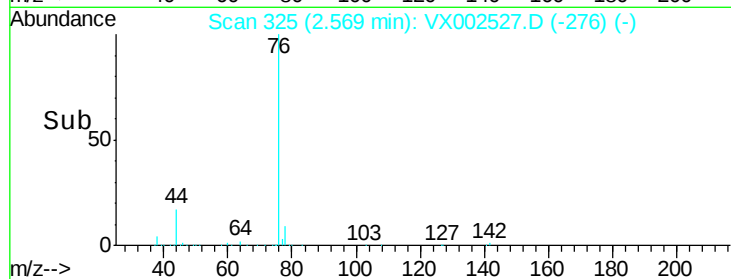
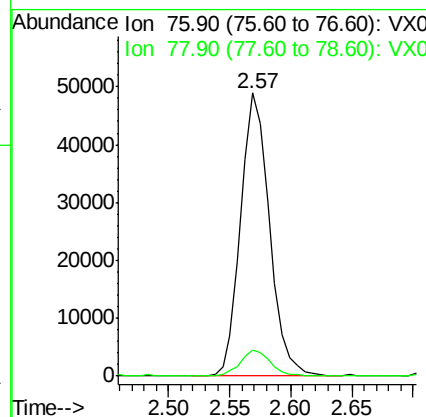
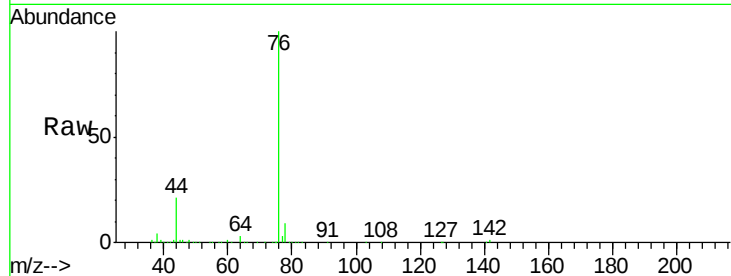
#17
Carbon Disulfide
Concen: 16.029 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.00 min
Lab File: VX002527.D
Acq: 14 Jun 2018 00:28

Instrument :
MSVOA_X
ClientSampleId :
VX0613MBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	6.9	10.3

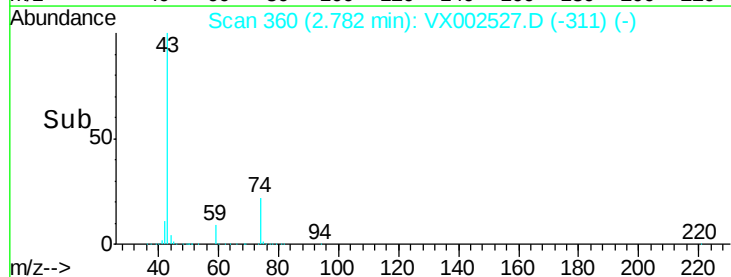
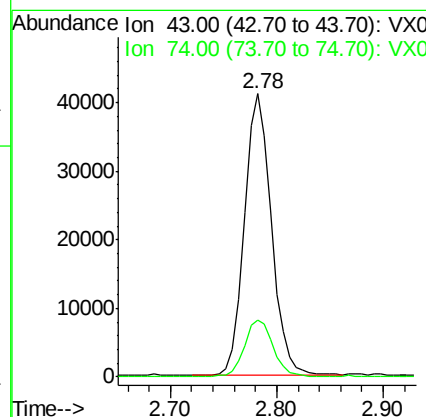
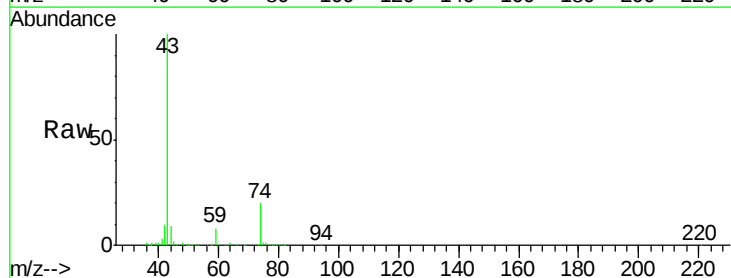
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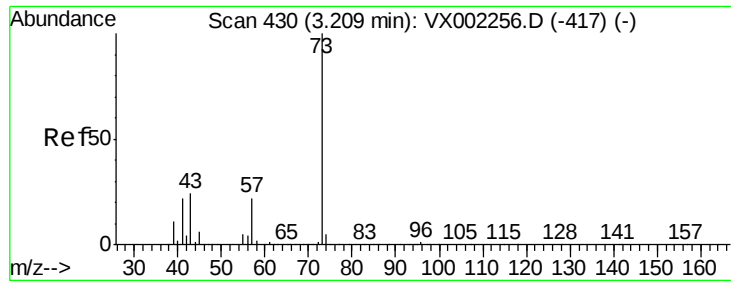
MMDadoda
6/14/2018 11:29:27 AM



#18
Methyl Acetate
Concen: 27.591 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX002527.D
Acq: 14 Jun 2018 00:28

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.9	16.7	25.1





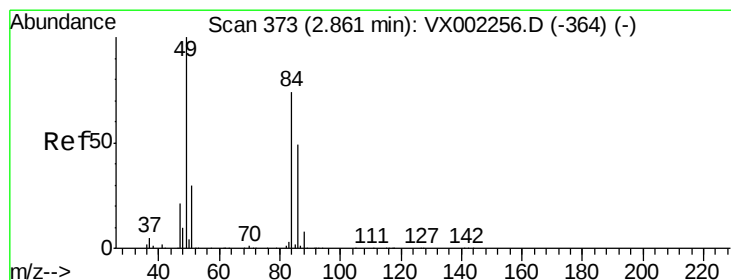
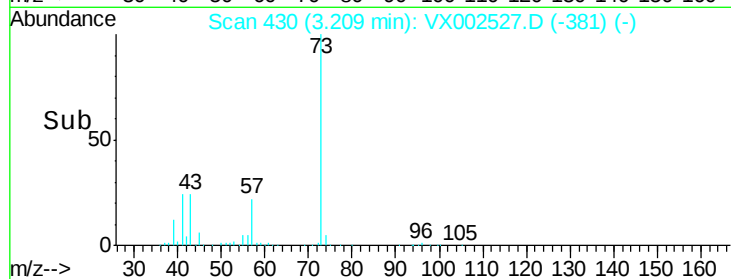
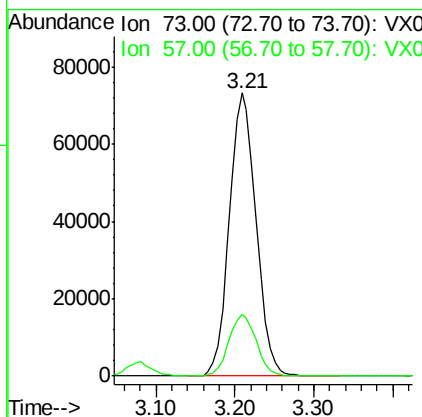
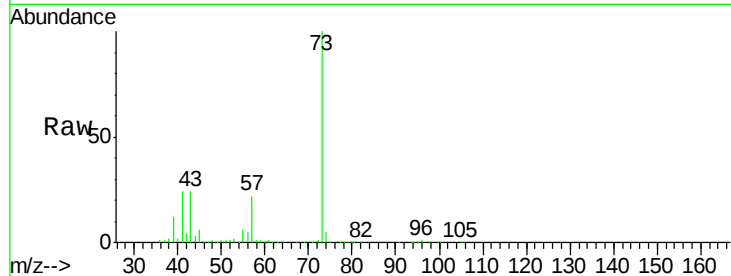
#19
Methvl tert-butvl Ether
Concen: 24.912 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX002527.D
Acq: 14 Jun 2018 00:28

Instrument :
MSVOA_X
ClientSampleId :
VX0613MBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.7	26.5

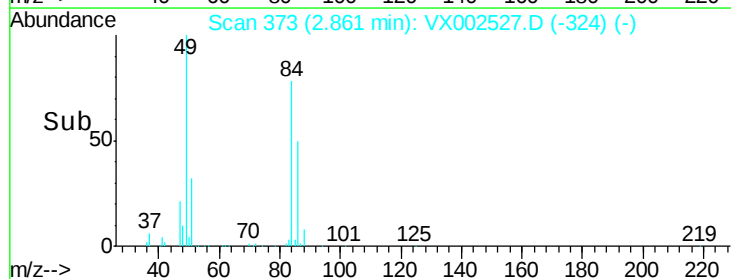
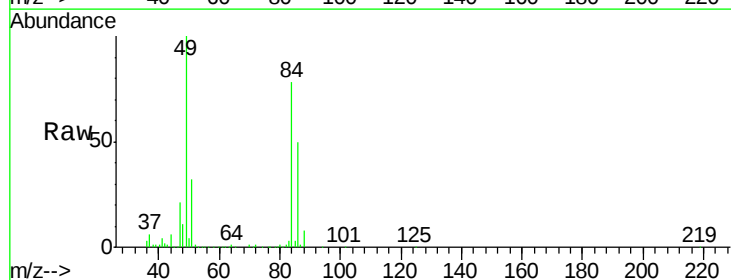
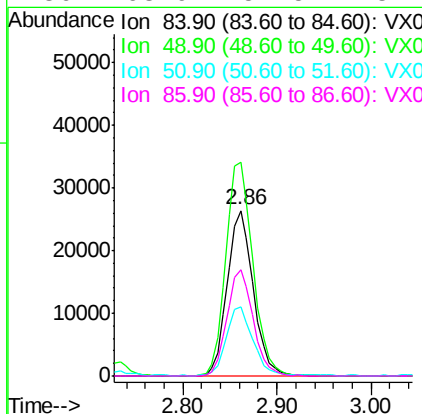
Manual Integrations
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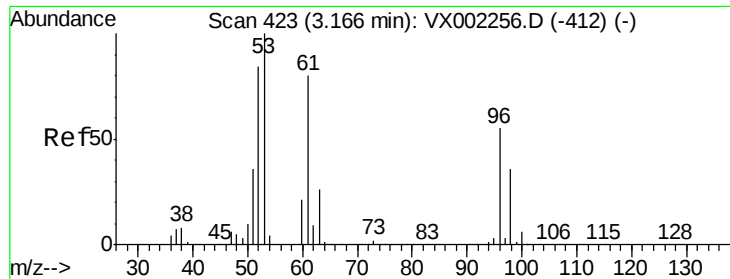
MMDadoda
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#20
Methylene Chloride
Concen: 23.615 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX002527.D
Acq: 14 Jun 2018 00:28

Tgt Ion	Ratio	Lower	Upper
84	100		
49	128.6	107.8	161.6
51	41.2	32.8	49.2
86	63.9	52.5	78.7





#21

trans-1,2-Dichloroethene

Concen: 20.886 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX002527.D

Acq: 14 Jun 2018 00:28

Instrument :

MSVOA_X

ClientSampleId :

VX0613MBSD01

Tot Ion: 96 Resp: 43710

Ion Ratio Lower Upper

96 100

61 146.7 117.0 175.4

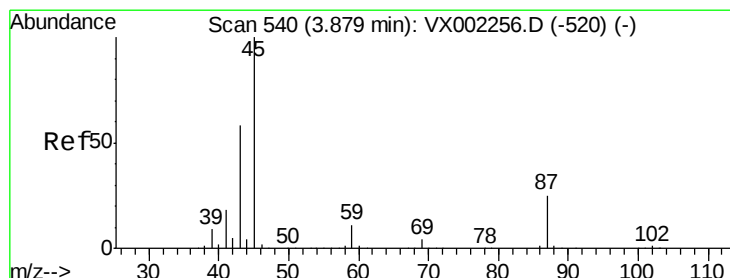
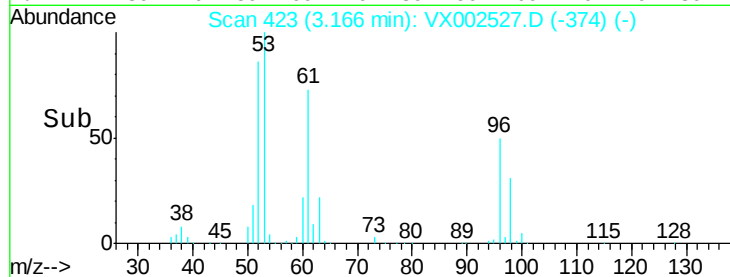
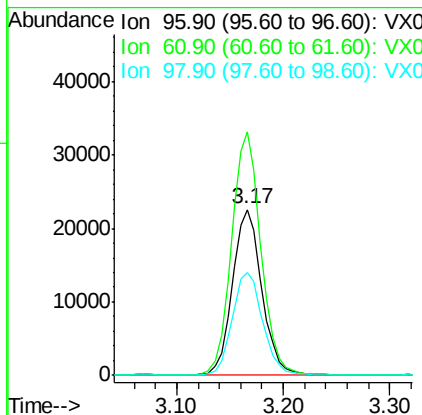
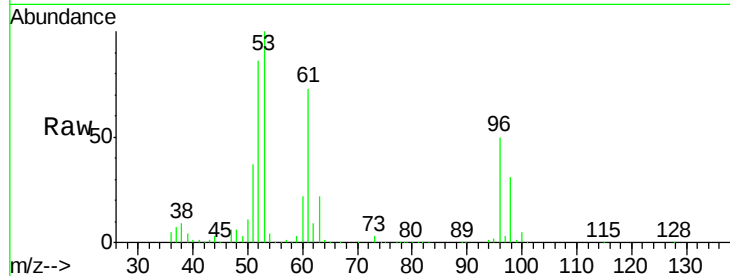
98 62.2 52.4 78.6

Manual Integrations

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6/14/2018 11:29:27 AM



#22

Diisopropyl ether

Concen: 20.969 ug/l

RT: 3.88 min Scan# 540

Delta R.T. 0.00 min

Lab File: VX002527.D

Acq: 14 Jun 2018 00:28

Tgt Ion: 45 Resp: 150217

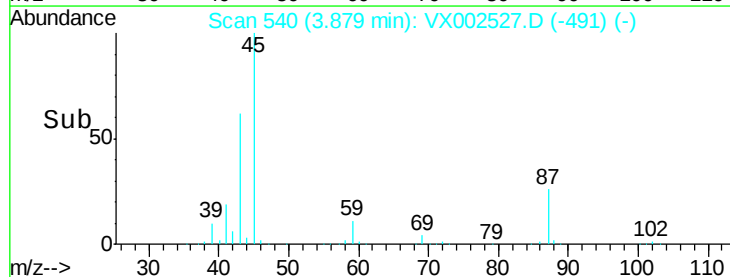
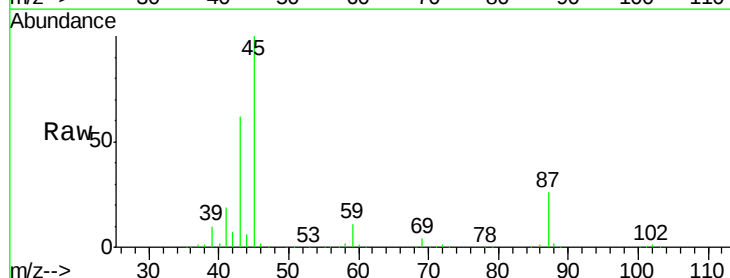
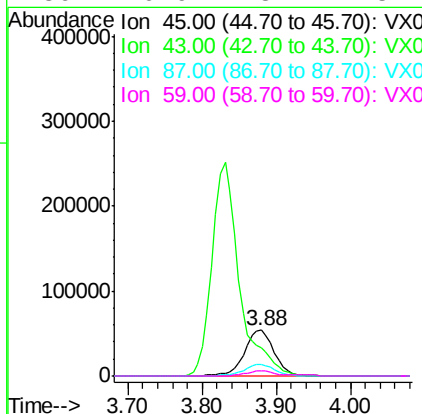
Ion Ratio Lower Upper

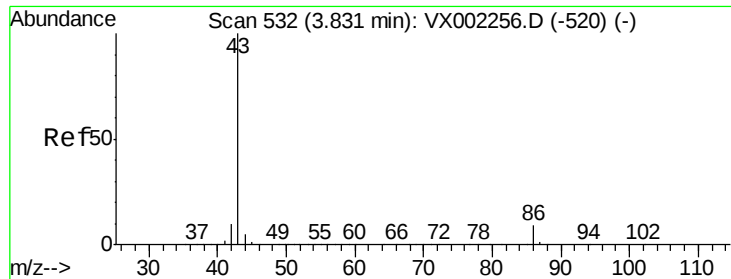
45 100

43 61.8 46.8 70.2

87 26.1 20.2 30.4

59 10.9 8.7 13.1





#23

Vinyl Acetate

Concen: 96.509 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX002527.D

Acq: 14 Jun 2018 00:28

Instrument :

MSVOA_X

ClientSampleId :

VX0613MBS01

Tot Ion: 43 Resp: 644340

Ion Ratio Lower Upper

43 100

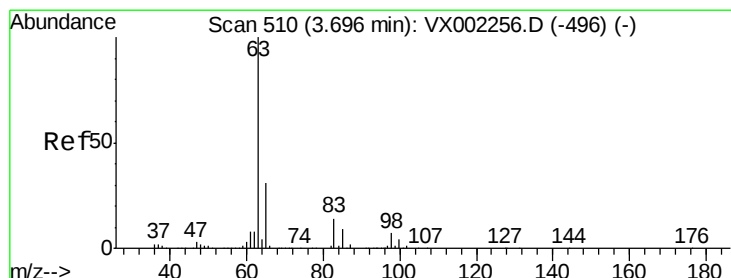
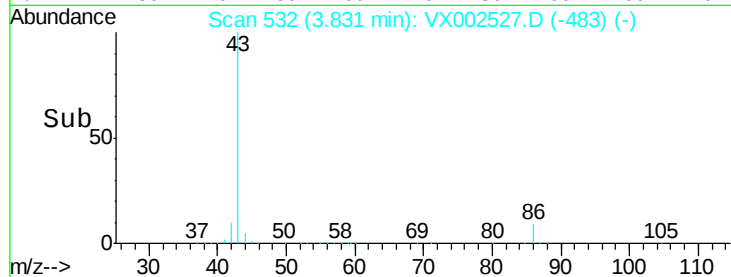
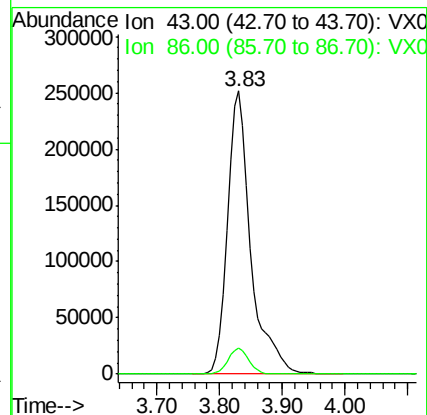
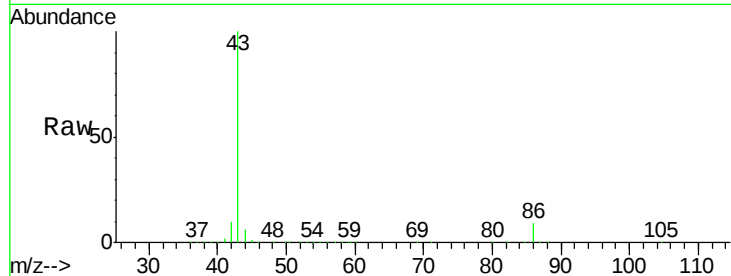
86 9.0 7.4 11.0

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#24

1,1-Dichloroethane

Concen: 19.180 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX002527.D

Acq: 14 Jun 2018 00:28

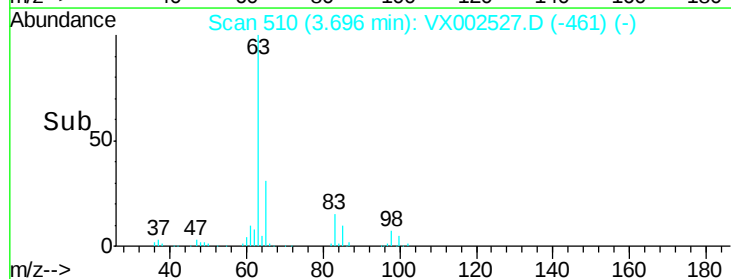
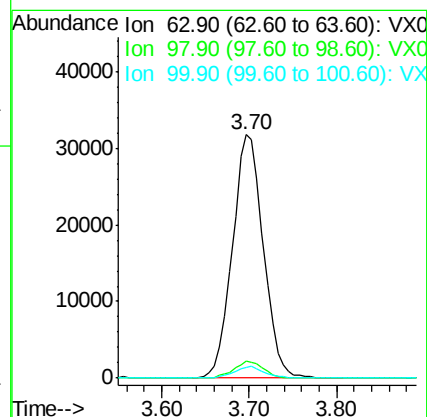
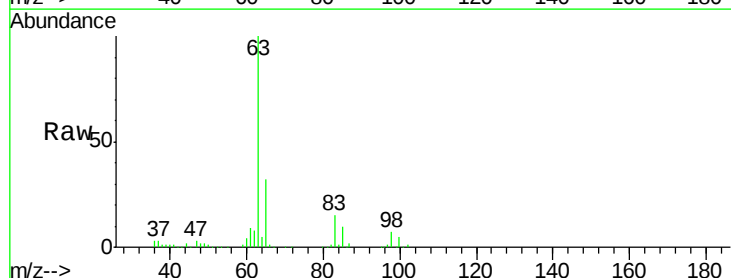
Tgt Ion: 63 Resp: 78072

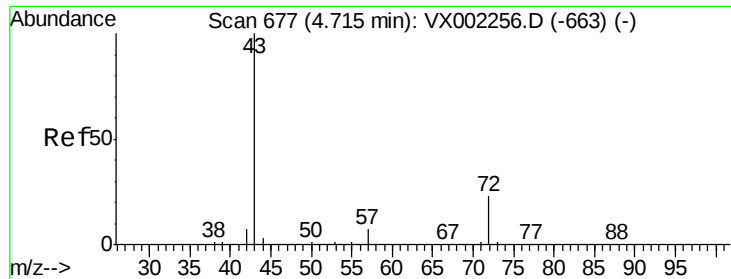
Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.2

100 4.6 2.0 6.0





#25

2-Butanone

Concen: 105.871 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.00 min

Lab File: VX002527.D

Acq: 14 Jun 2018 00:28

Instrument :

MSVOA_X

ClientSampleId :

VX0613MBSD01

Tot Ion: 43 Resp: 185052

Ion Ratio Lower Upper

43 100

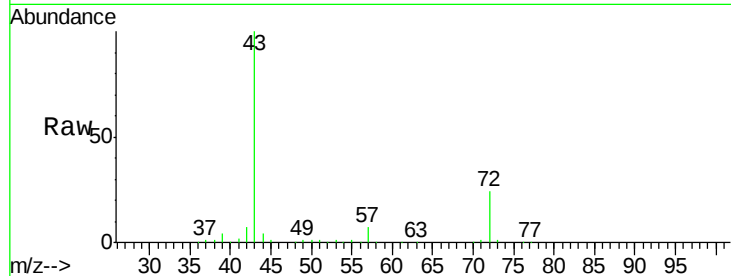
72 23.6 18.5 27.7

Manual Integrations

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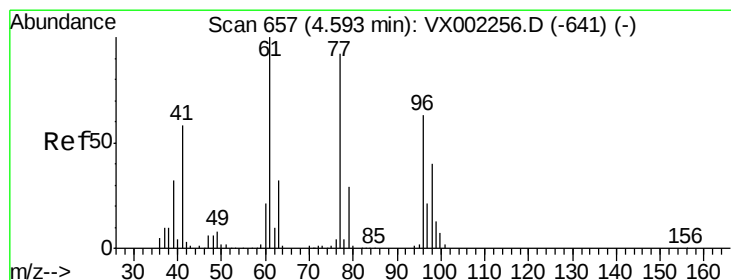
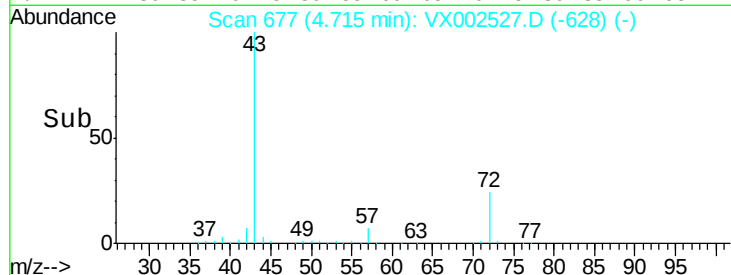
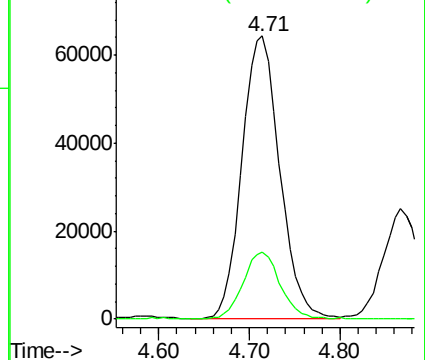
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 14.030 ug/l

RT: 4.59 min Scan# 657

Delta R.T. -0.00 min

Lab File: VX002527.D

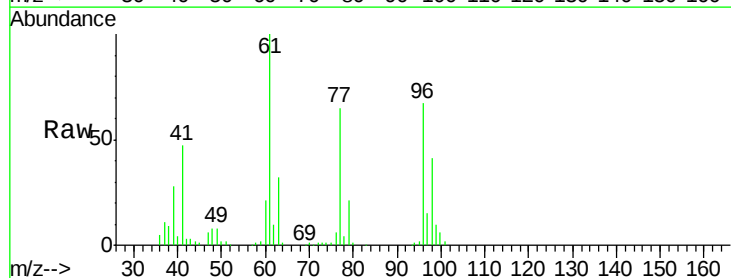
Acq: 14 Jun 2018 00:28

Tgt Ion: 77 Resp: 44640

Ion Ratio Lower Upper

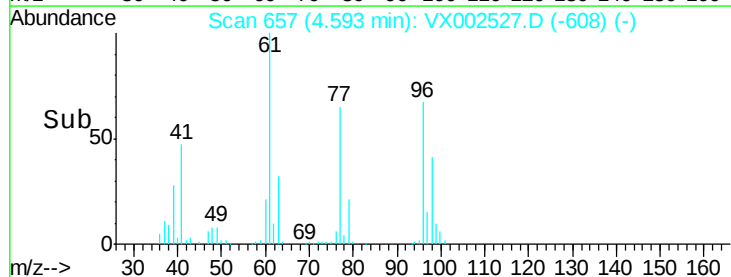
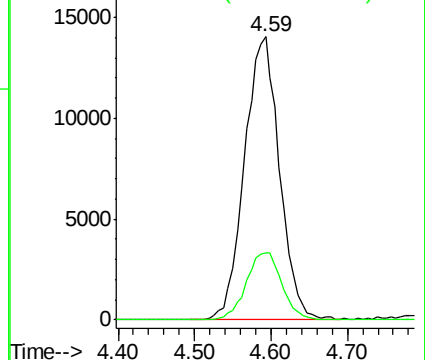
77 100

97 24.1 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

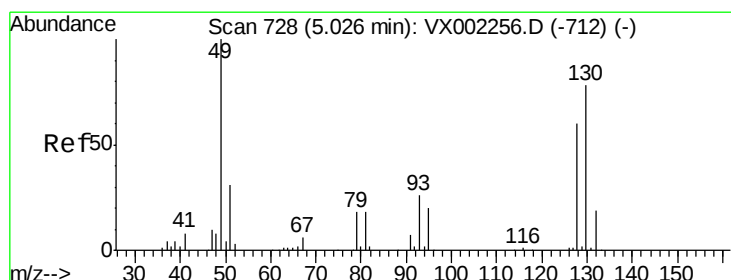
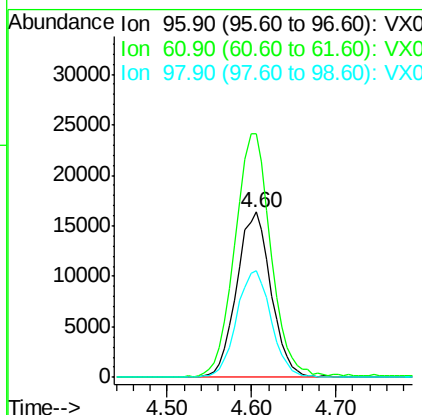
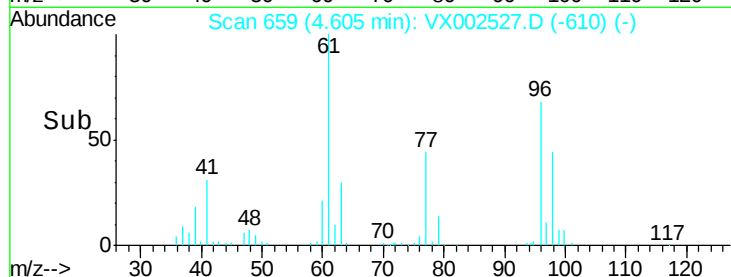
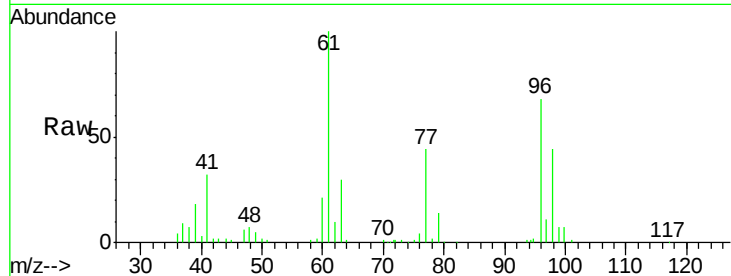
cis-1,2-Dichloroethene
Concen: 19.852 ug/l
RT: 4.60 min Scan# 659
Delta R.T. -0.00 min
Lab File: VX002527.D
Acq: 14 Jun 2018 00:28

Instrument :
MSVOA_X
ClientSampleId :
VX0613MBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	155.7	0.0	330.2
98	64.9	0.0	130.2

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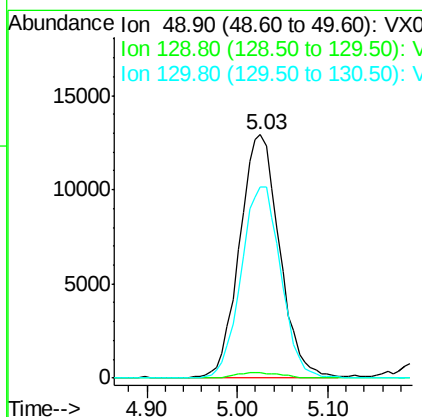
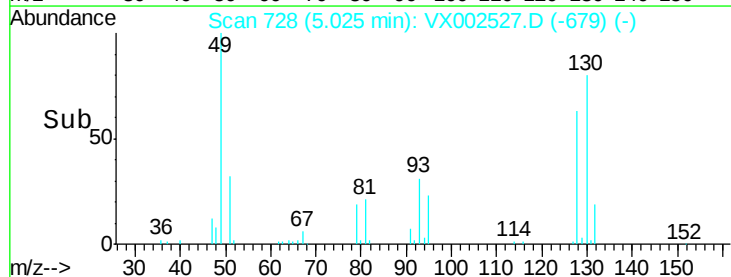
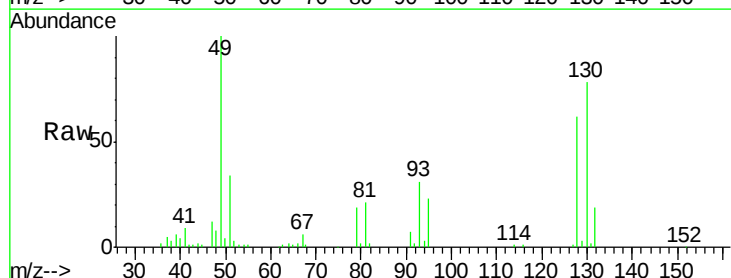
MMDadoda
6/14/2018 11:29:27 AM

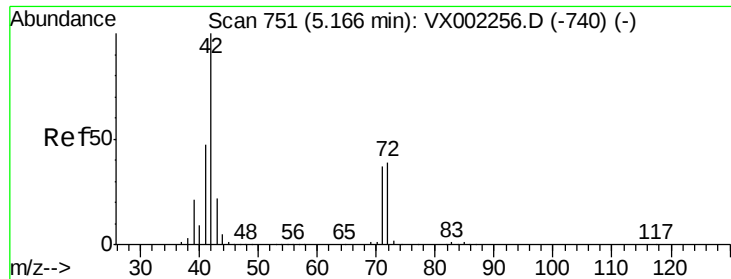


#28

Bromochloromethane
Concen: 20.679 ug/l
RT: 5.03 min Scan# 728
Delta R.T. 0.00 min
Lab File: VX002527.D
Acq: 14 Jun 2018 00:28

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.2
130	78.0	61.2	91.8





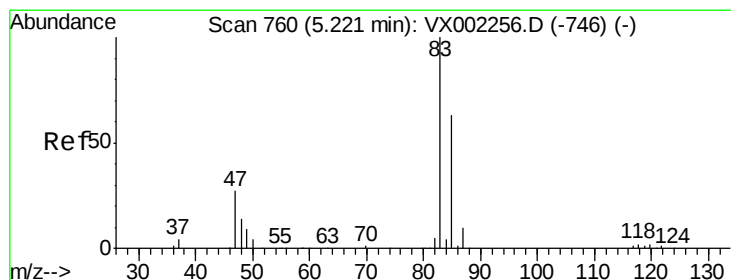
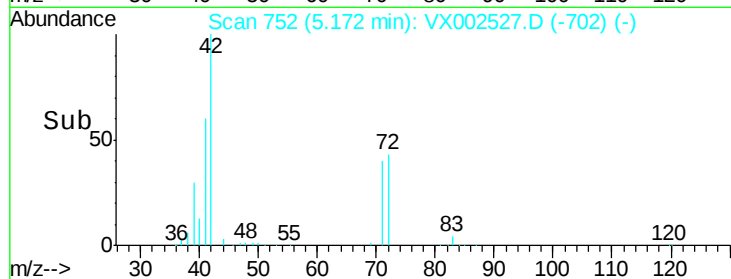
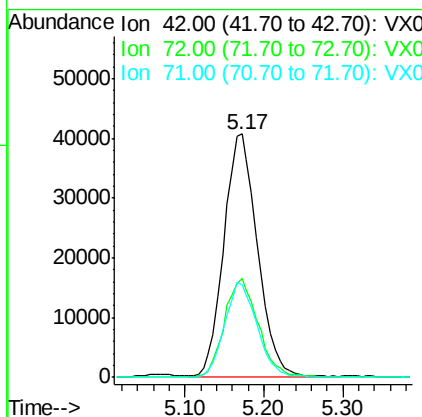
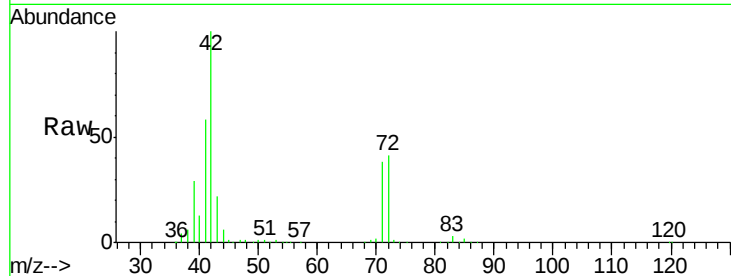
#29
Tetrahydrofuran
Concen: 106.757 ug/l
RT: 5.17 min Scan# 752
Delta R.T. 0.01 min
Lab File: VX002527.D
Acq: 14 Jun 2018 00:28

Instrument :
MSVOA_X
ClientSampleId :
VX0613MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.0	32.0	48.0
71	38.0	30.1	45.1

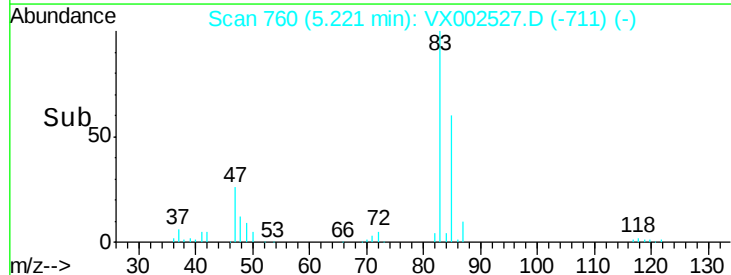
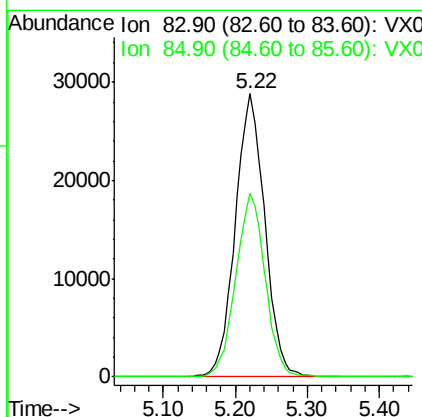
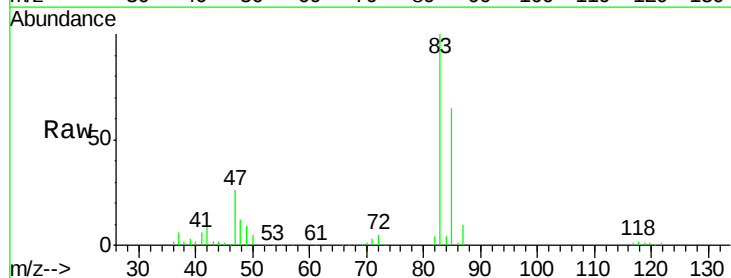
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#30
Chloroform
Concen: 20.879 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX002527.D
Acq: 14 Jun 2018 00:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	50.4	75.6





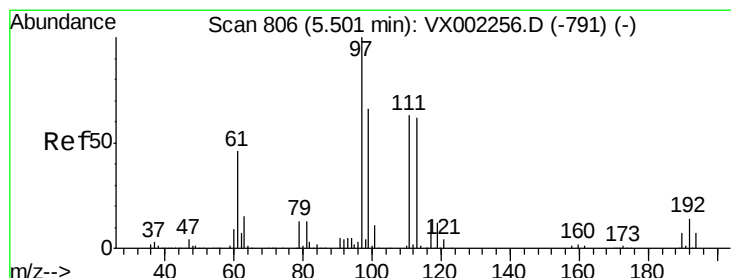
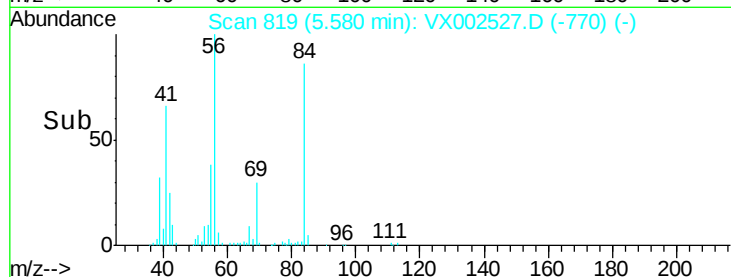
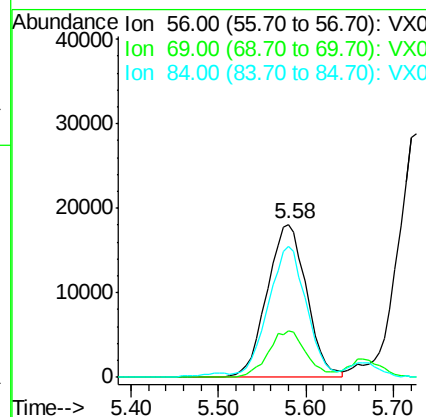
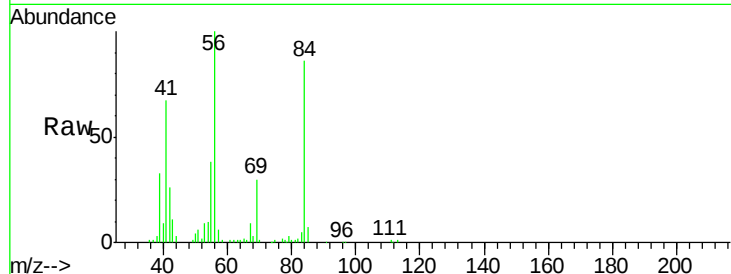
#31
Cyclohexane
Concen: 17.718 ug/l
RT: 5.58 min Scan# 819
Delta R.T. -0.00 min
Lab File: VX002527.D
Acq: 14 Jun 2018 00:28

Instrument :
MSVOA_X
ClientSampleId :
VX0613MBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.4	23.7	35.5
84	85.1	64.1	96.1

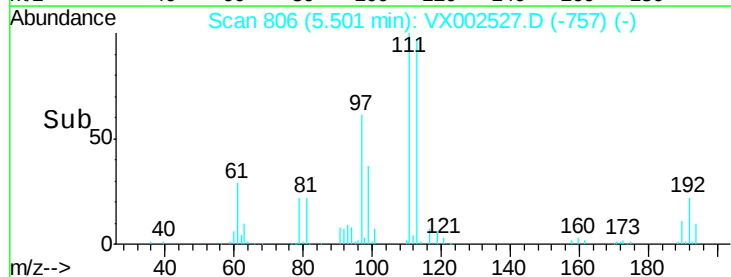
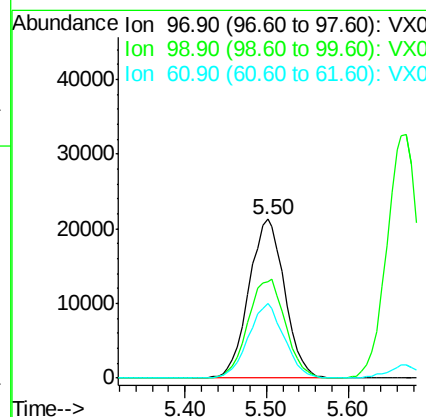
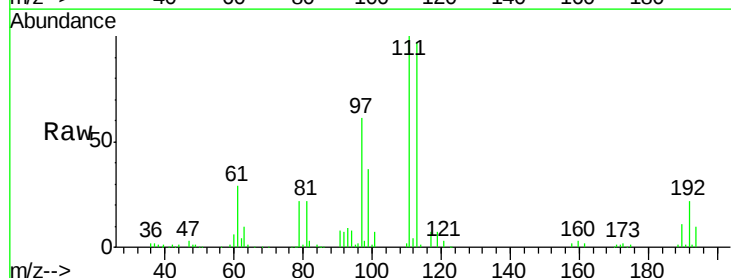
Manual Integrations
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#32
1,1,1-Trichloroethane
Concen: 19.500 ug/l
RT: 5.50 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX002527.D
Acq: 14 Jun 2018 00:28

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.6	77.4
61	47.0	36.4	54.6





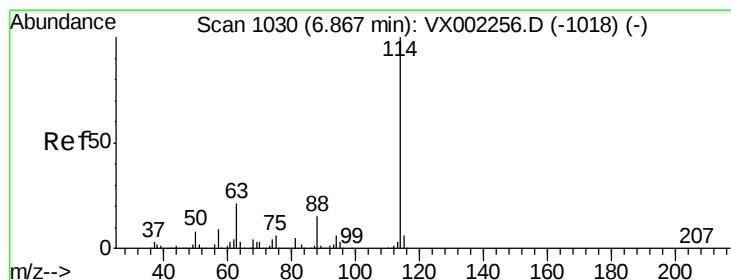
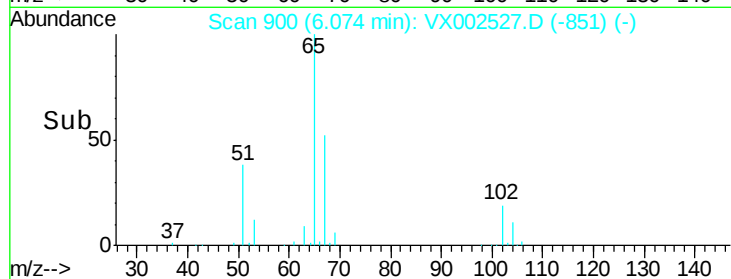
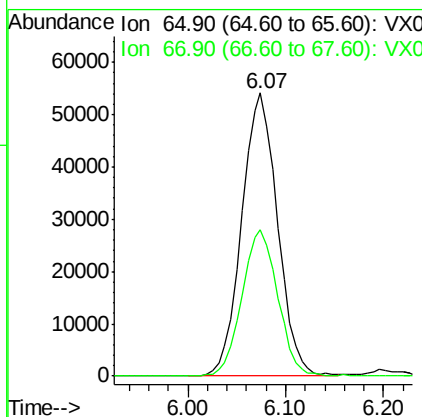
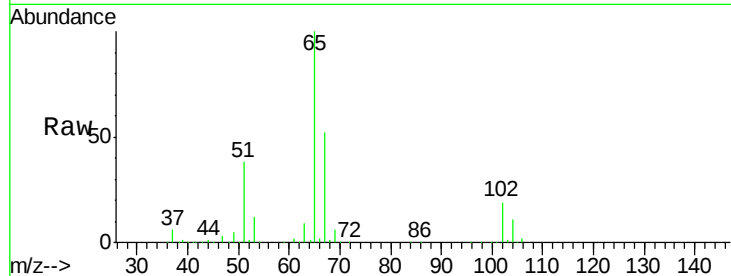
#33
 1,2-Dichloroethane-d4
 Concen: 54.442 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX002527.D
 Acq: 14 Jun 2018 00:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0613MBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	102.6

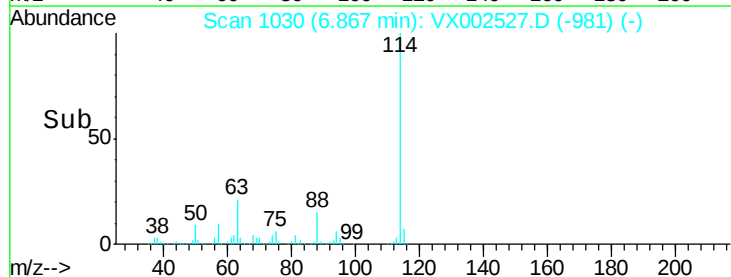
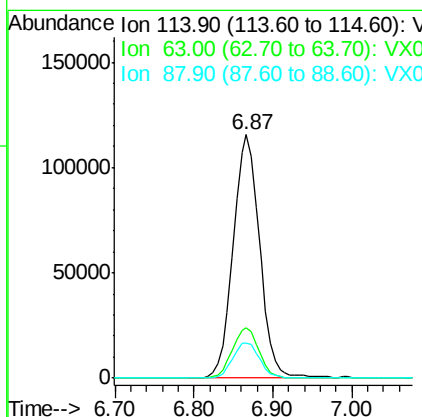
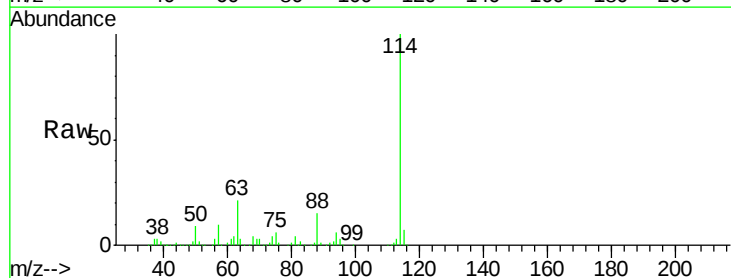
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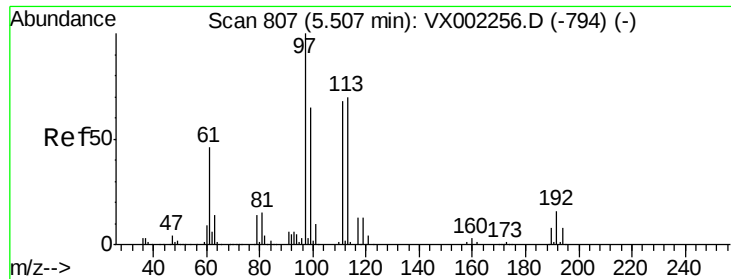
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX002527.D
 Acq: 14 Jun 2018 00:28

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	41.4
88	14.6	0.0	30.0





#35

Dibromofluoromethane

Concen: 48.682 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX002527.D

Acq: 14 Jun 2018 00:28

Instrument :

MSVOA_X

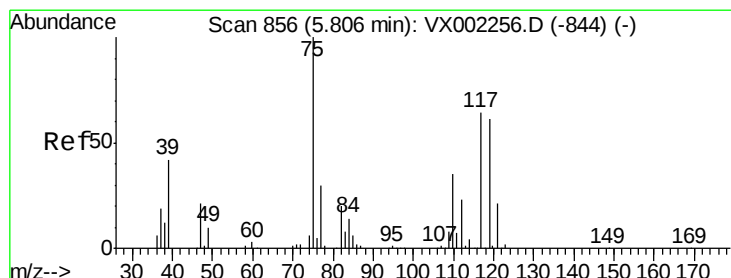
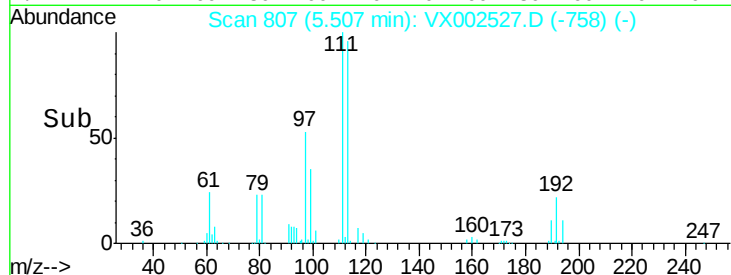
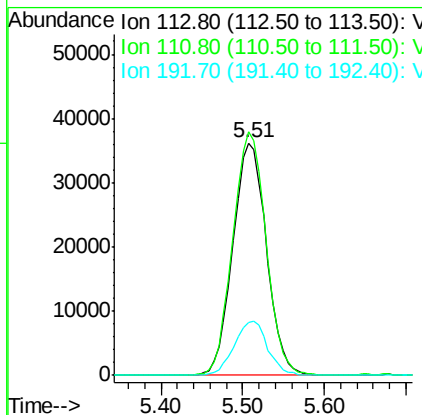
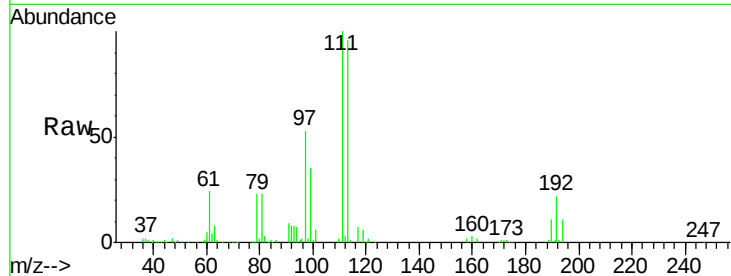
ClientSampleId :

VX0613MBS01

Tot Ion:	113	Resp:	103299
Ion Ratio	Lower	Upper	
113	100		
111	104.0	81.4	122.0
192	23.1	19.1	28.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 18.244 ug/l

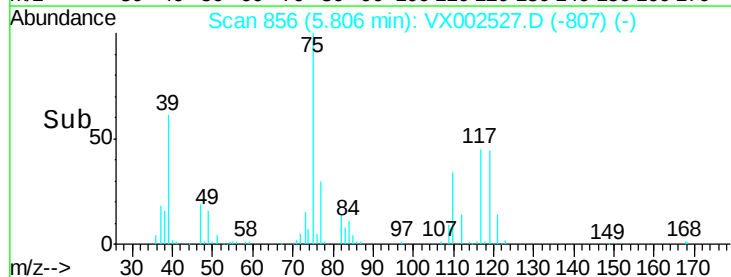
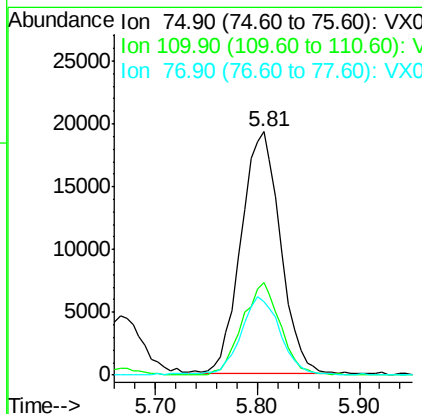
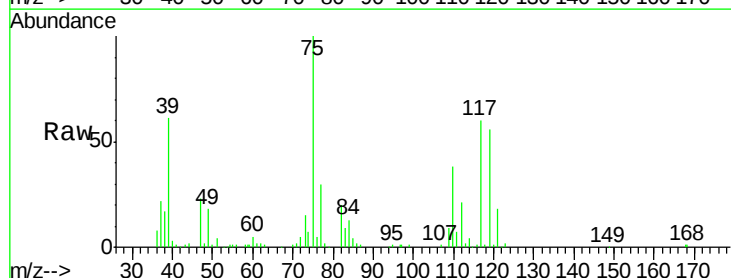
RT: 5.81 min Scan# 856

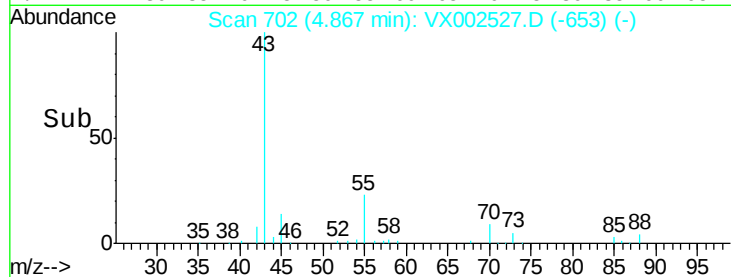
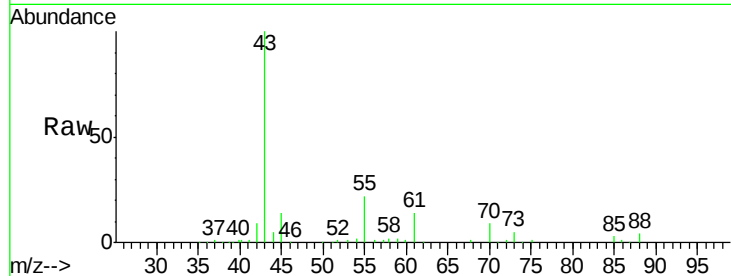
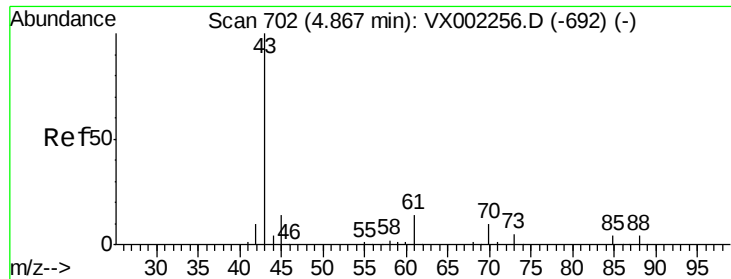
Delta R.T. -0.00 min

Lab File: VX002527.D

Acq: 14 Jun 2018 00:28

Tgt Ion:	75	Resp:	51750
Ion Ratio	Lower	Upper	
75	100		
110	37.0	18.1	54.4
77	32.3	24.3	36.5





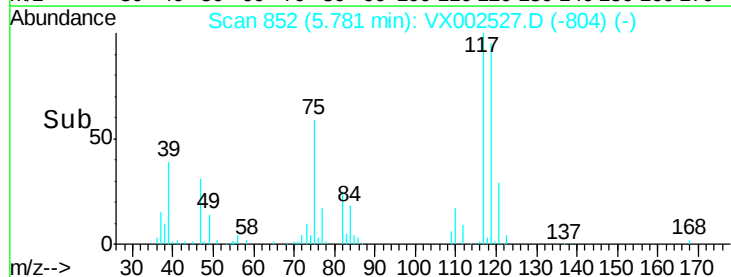
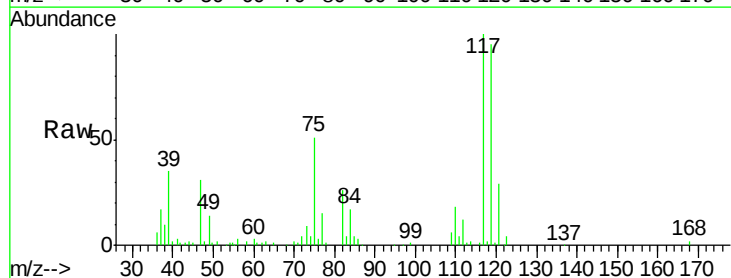
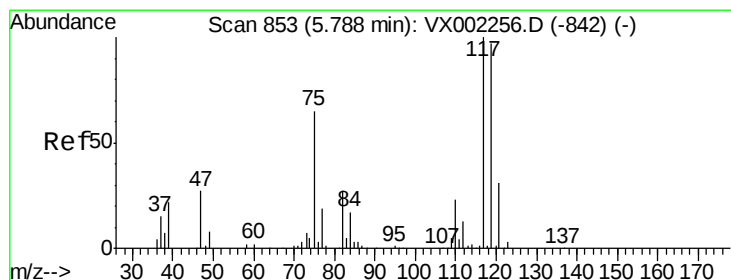
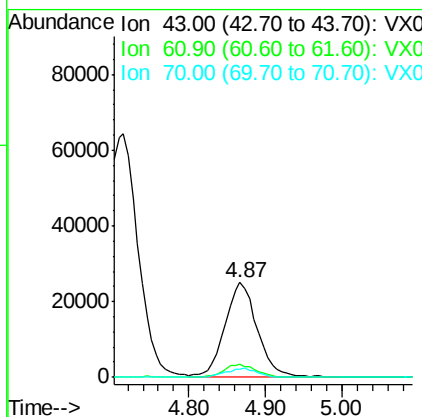
#37
Ethyl Acetate
Concen: 21.110 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.00 min
Lab File: VX002527.D
Acq: 14 Jun 2018 00:28

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	10.4	15.6
70	9.8	7.6	11.4

Instrument :
MSVOA_X
ClientSampleId :
VX0613MBS01

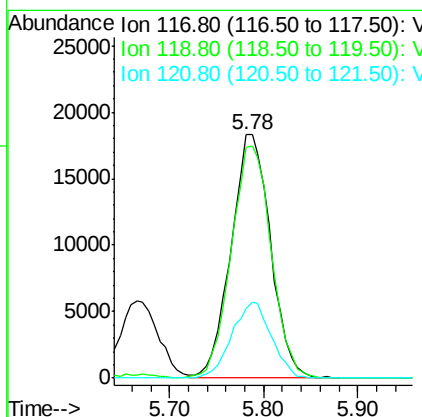
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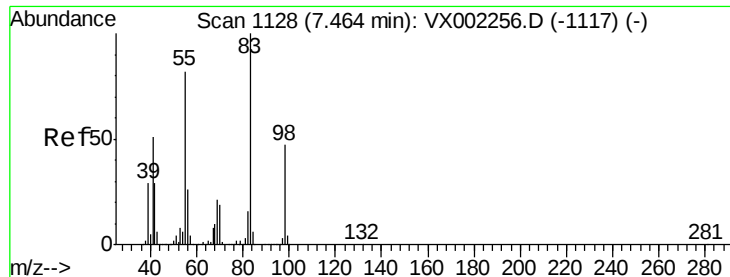
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6/14/2018 11:29:27 AM



#38
Carbon Tetrachloride
Concen: 18.064 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.01 min
Lab File: VX002527.D
Acq: 14 Jun 2018 00:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.5	77.4	116.0
121	28.7	24.4	36.6





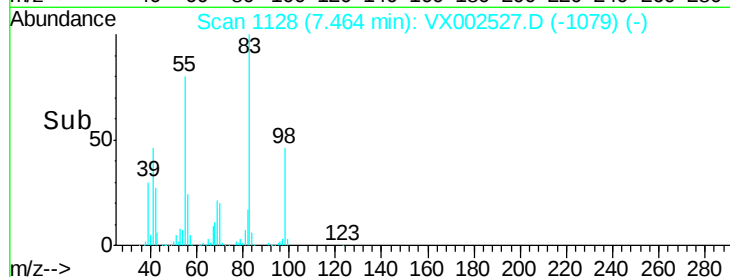
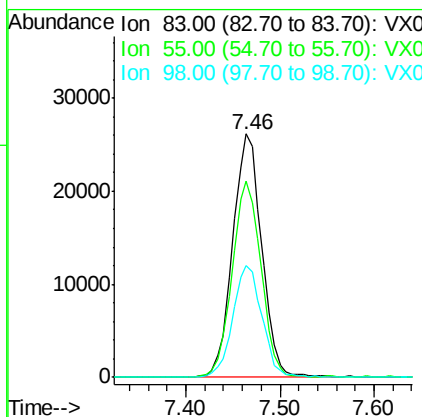
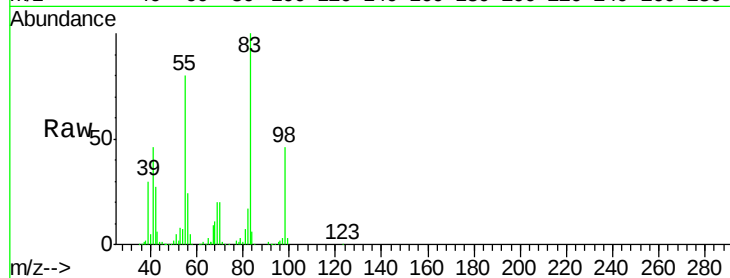
#39
Methvlcvclohexane
Concen: 16.162 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX002527.D
Acq: 14 Jun 2018 00:28

Instrument :
MSVOA_X
ClientSampleId :
VX0613MBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.4	65.4	98.0
98	45.9	37.4	56.0

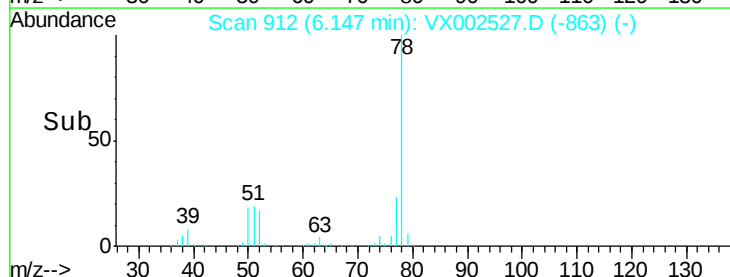
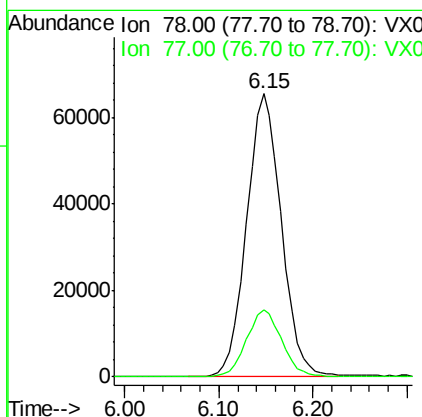
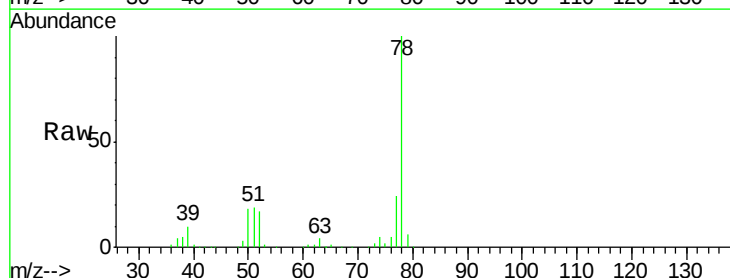
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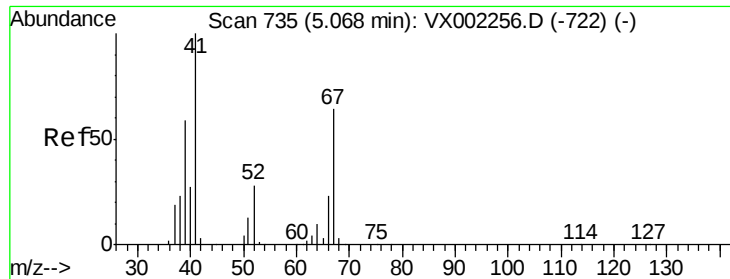
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#40
Benzene
Concen: 19.433 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX002527.D
Acq: 14 Jun 2018 00:28

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.1	28.7





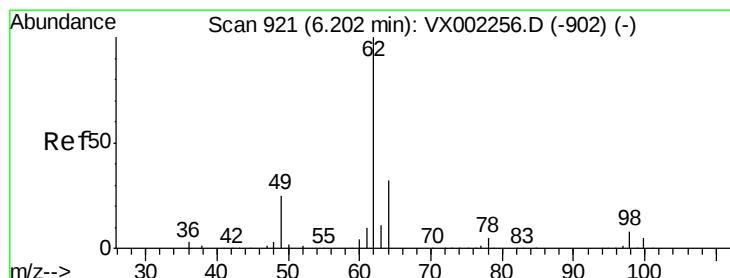
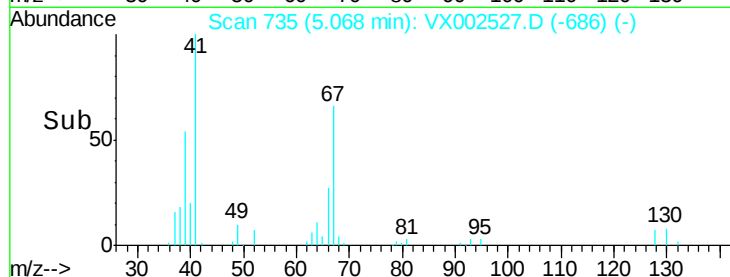
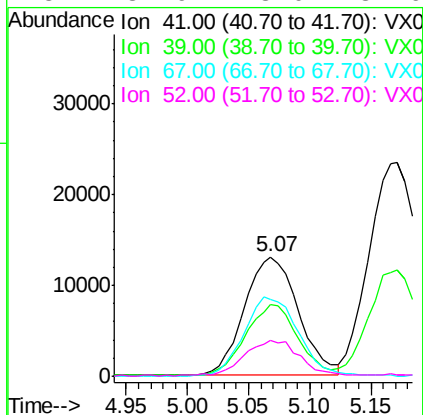
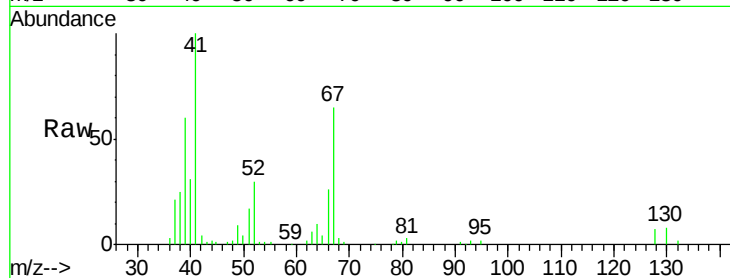
#41
Methacrylonitrile
Concen: 20.530 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.00 min
Lab File: VX002527.D
Acq: 14 Jun 2018 00:28

Instrument :
MSVOA_X
ClientSampleId :
VX0613MBSD01

Tot Ion	41	Resp	40092
Ion Ratio	Lower	Upper	
41	100		
39	57.9	45.8	68.6
67	67.8	51.3	76.9
52	31.9	23.0	34.6

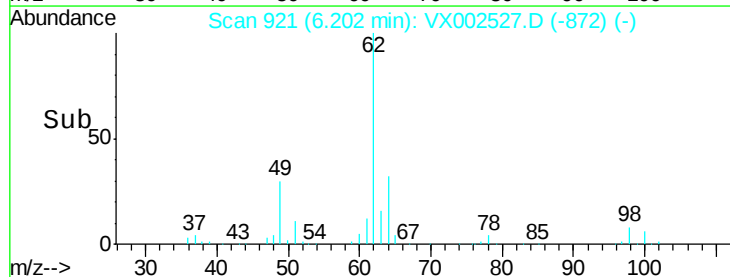
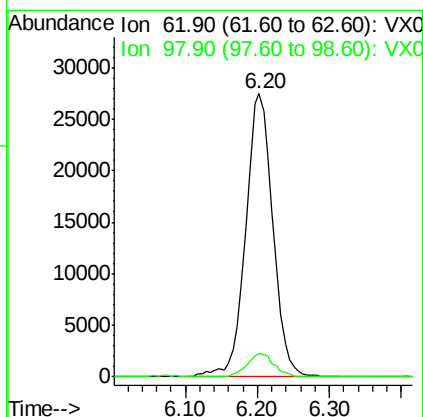
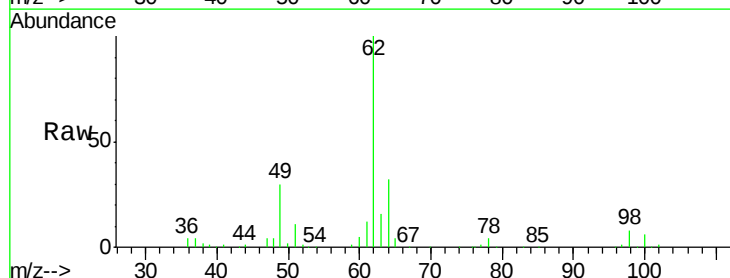
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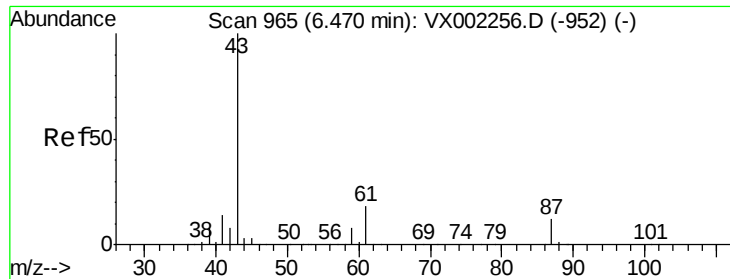
MMDadoda
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#42
1,2-Dichloroethane
Concen: 20.599 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.00 min
Lab File: VX002527.D
Acq: 14 Jun 2018 00:28

Tgt Ion	62	Resp	71180
Ion Ratio	Lower	Upper	
62	100		
98	8.4	0.0	16.6





#43

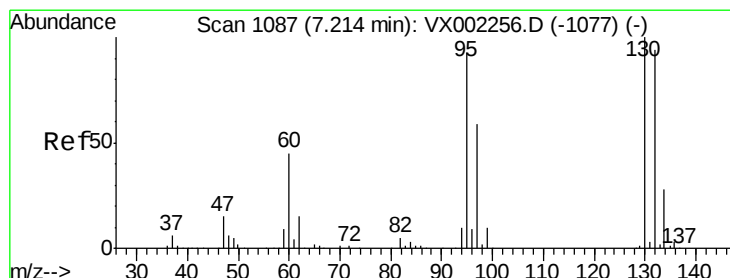
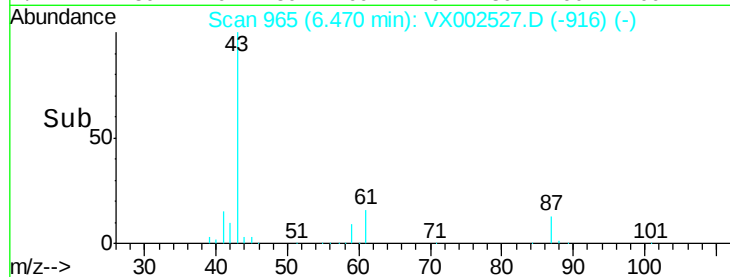
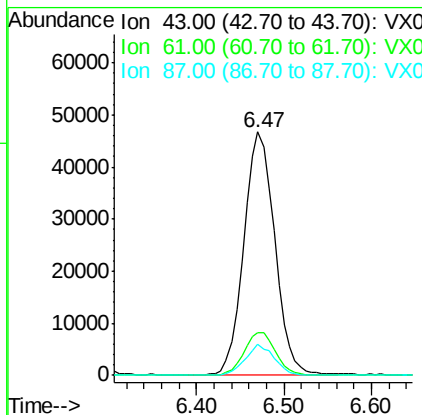
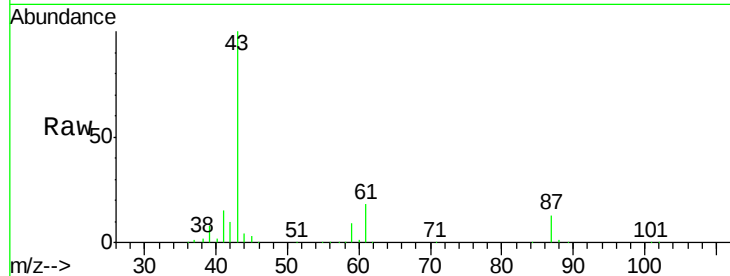
Isopropyl Acetate
 Concen: 19.825 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. -0.00 min
 Lab File: VX002527.D
 Acq: 14 Jun 2018 00:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0613MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.1	14.4	21.6
87	12.0	9.5	14.3

Manual Integrations
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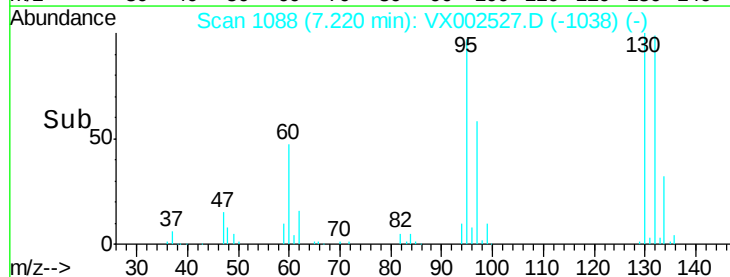
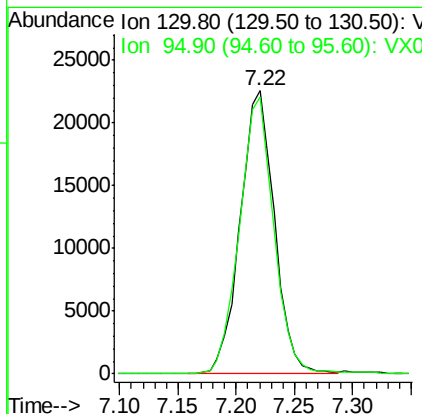
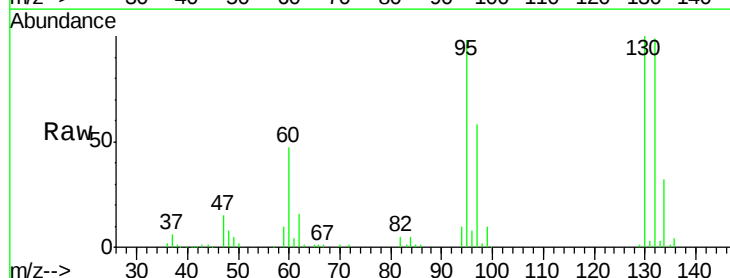
MMDadoda
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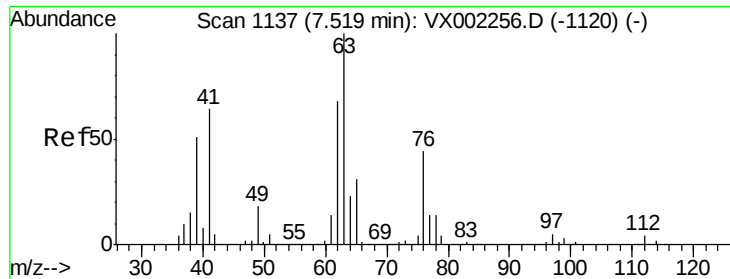


#44

Trichloroethene
 Concen: 19.214 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.01 min
 Lab File: VX002527.D
 Acq: 14 Jun 2018 00:28

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.9	0.0	185.4





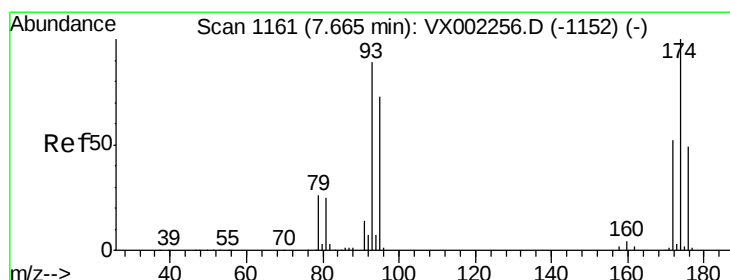
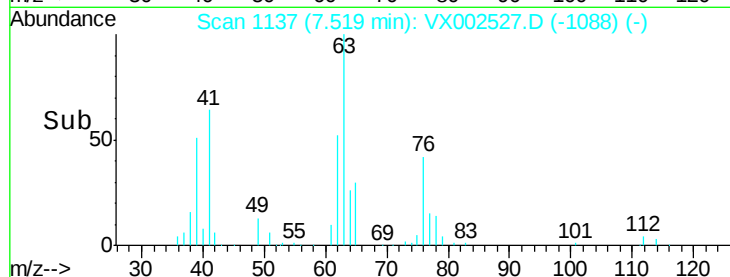
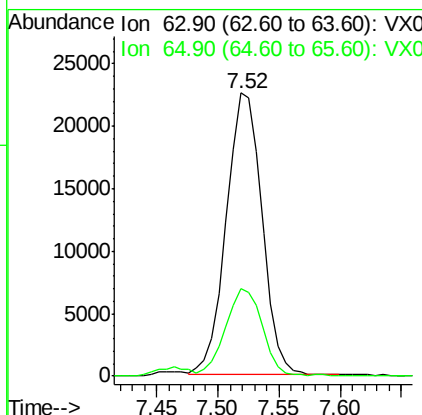
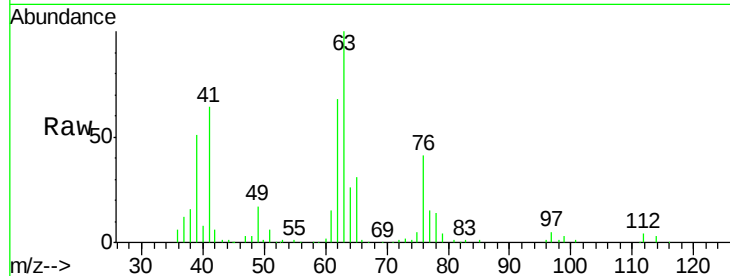
#45
 1,2-Dichloropropane
 Concen: 19.490 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VX002527.D
 Acq: 14 Jun 2018 00:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0613MBS01

Tot Ion: 63 Resp: 45763
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.7 37.1

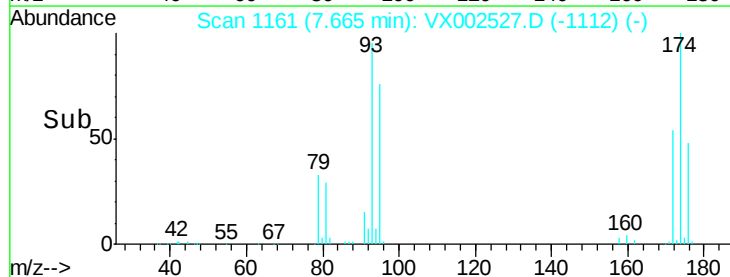
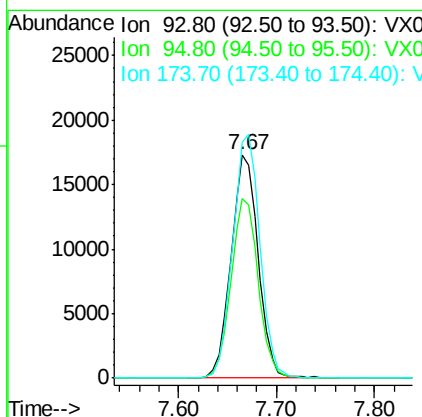
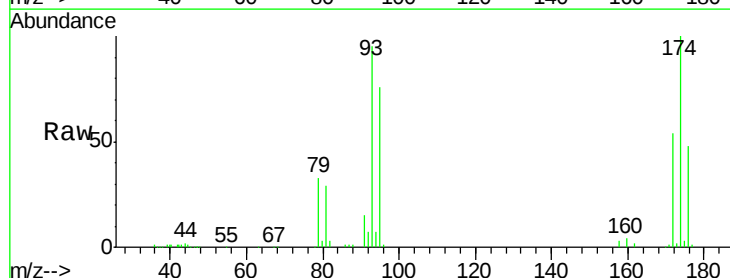
Manual Integrations
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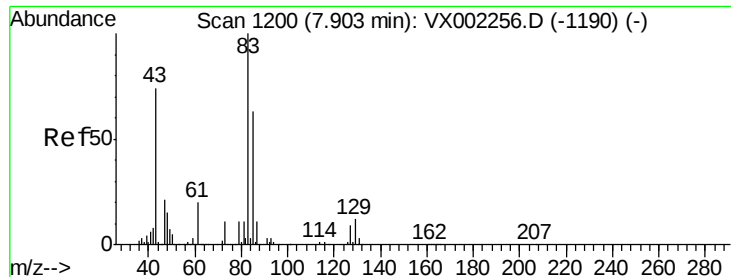
MMDadoda
 6/14/2018 11:29:27 AM



#46
 Dibromomethane
 Concen: 20.894 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX002527.D
 Acq: 14 Jun 2018 00:28

Tgt Ion: 93 Resp: 33257
 Ion Ratio Lower Upper
 93 100
 95 81.0 65.9 98.9
 174 109.7 92.4 138.6





#47

Bromodichloromethane

Concen: 19.103 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX002527.D

Acq: 14 Jun 2018 00:28

Instrument :

MSVOA_X

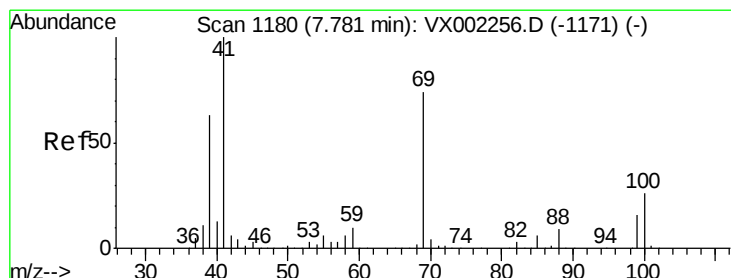
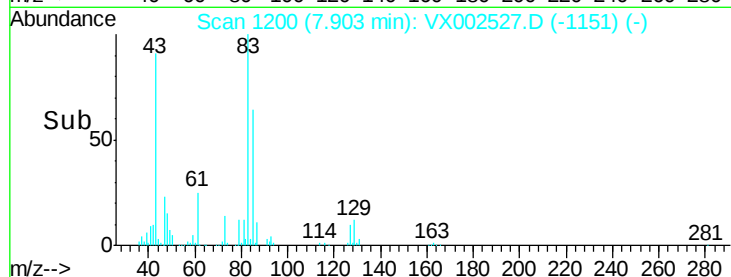
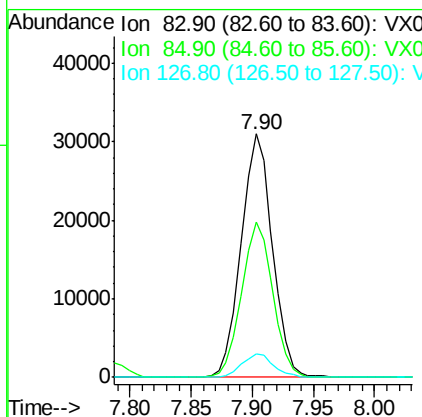
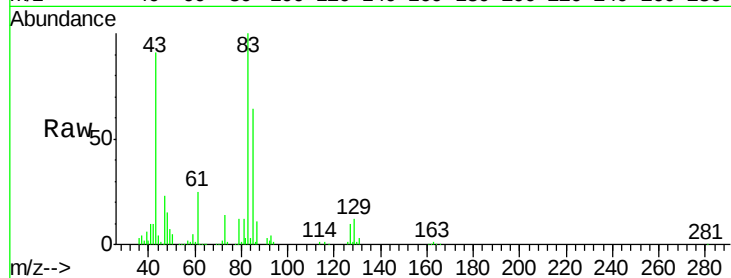
ClientSampleId :

VX0613MBS01

Tot Ion:	83	Resp:	54994
Ion	Ratio	Lower	Upper
83	100		
85	63.9	50.3	75.5
127	9.8	7.0	10.4

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#48

Methyl methacrylate

Concen: 20.389 ug/l

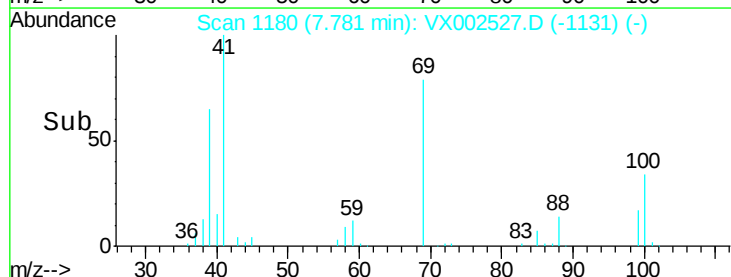
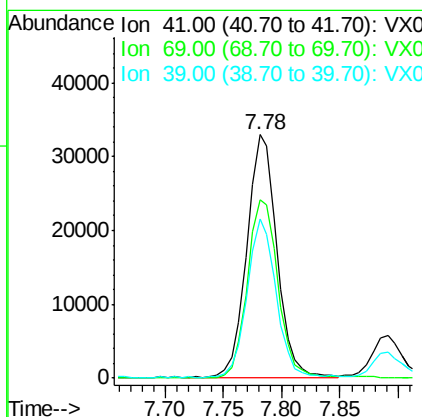
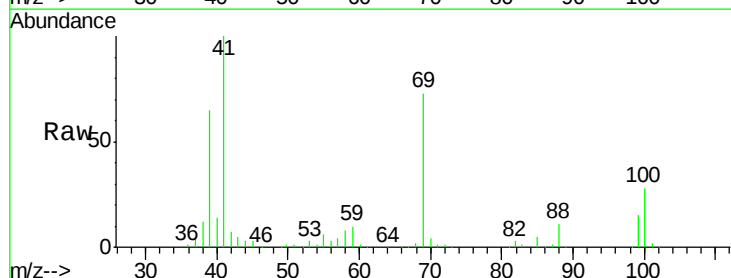
RT: 7.78 min Scan# 1180

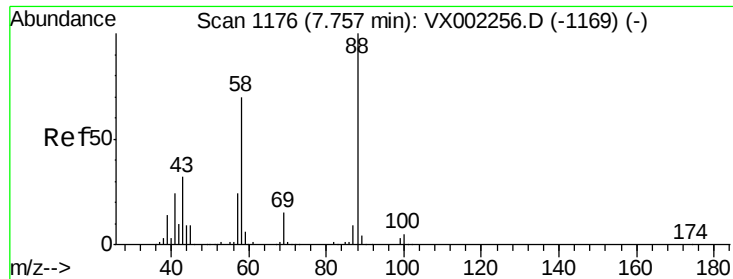
Delta R.T. -0.00 min

Lab File: VX002527.D

Acq: 14 Jun 2018 00:28

Tgt Ion:	41	Resp:	59341
Ion	Ratio	Lower	Upper
41	100		
69	75.6	59.1	88.7
39	62.7	48.9	73.3





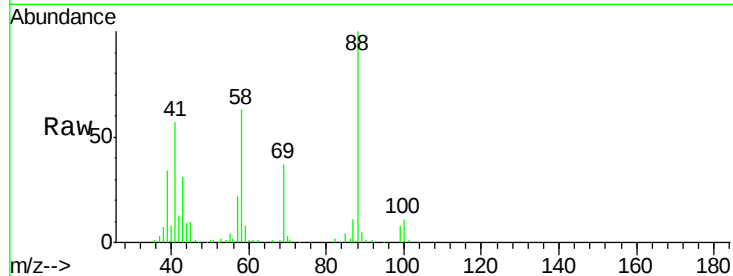
#49
1,4-Dioxane
Concen: 451.371 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.01 min
Lab File: VX002527.D
Acq: 14 Jun 2018 00:28

Instrument :
MSVOA_X
ClientSampleId :
VX0613MBSD01

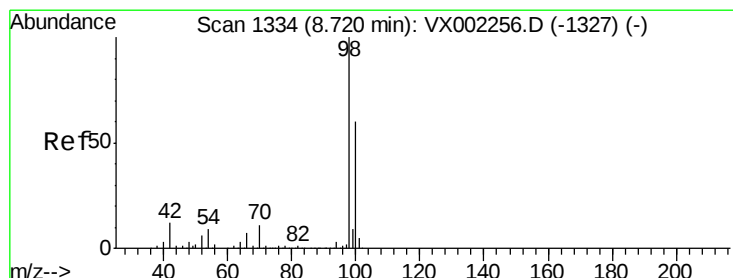
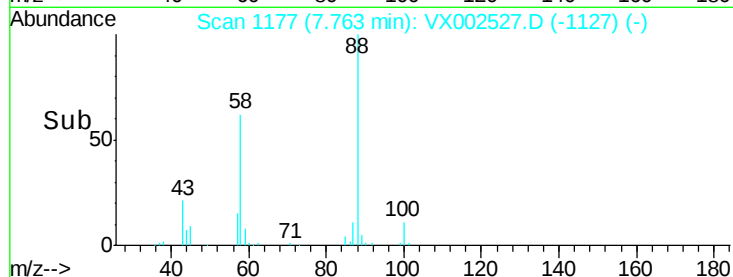
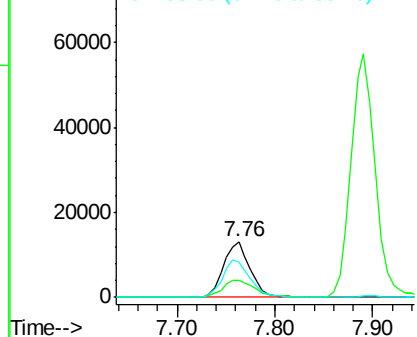
Tot Ion	Ratio	Lower	Upper
88	100		
43	35.7	29.8	44.6
58	69.7	57.1	85.7

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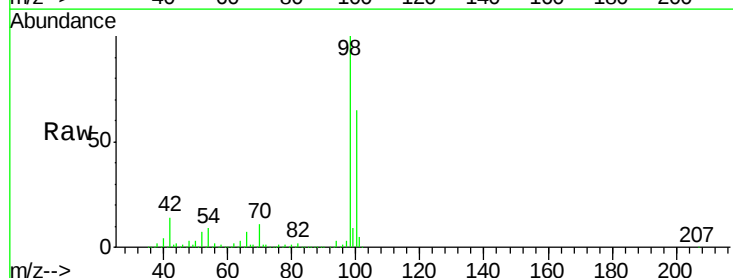


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

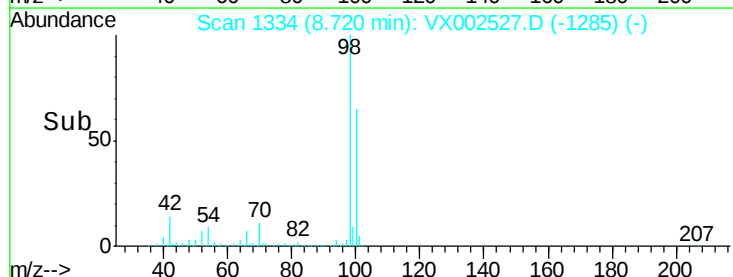
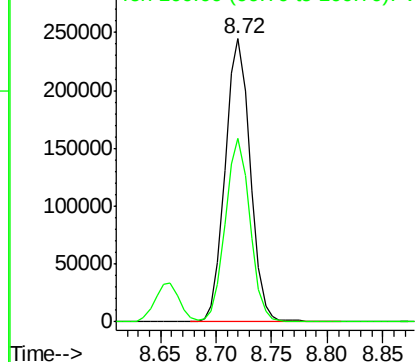


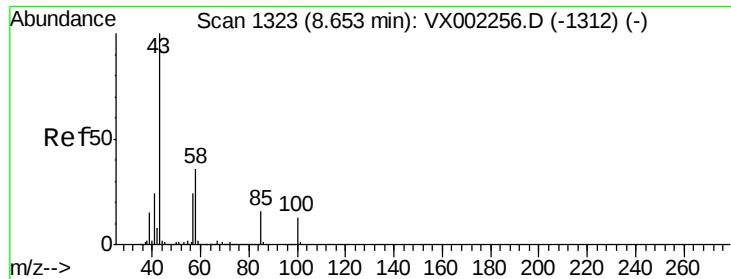
#50
Toluene-d8
Concen: 46.989 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX002527.D
Acq: 14 Jun 2018 00:28

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	50.9	76.3



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





#51

4-Methyl-2-Pentanone

Concen: 108.955 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX002527.D

Acq: 14 Jun 2018 00:28

Instrument :

MSVOA_X

ClientSampleId :

VX0613MBSD01

Tot Ion: 43 Resp: 393141

Ion Ratio Lower Upper

43 100

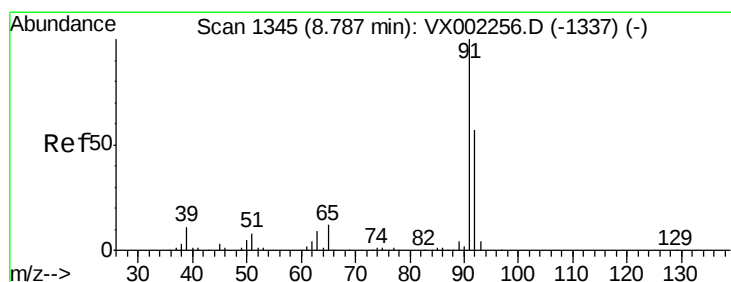
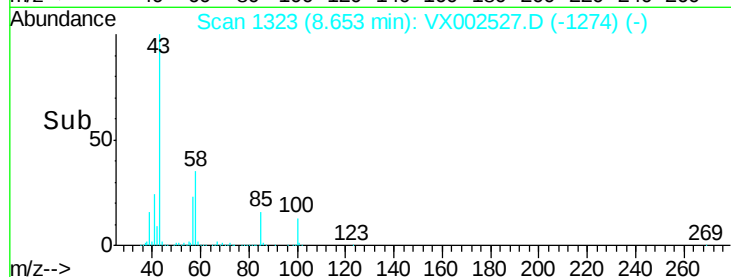
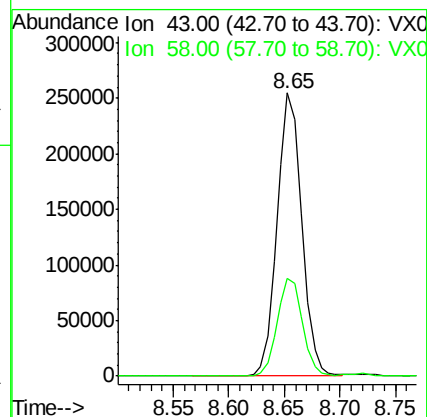
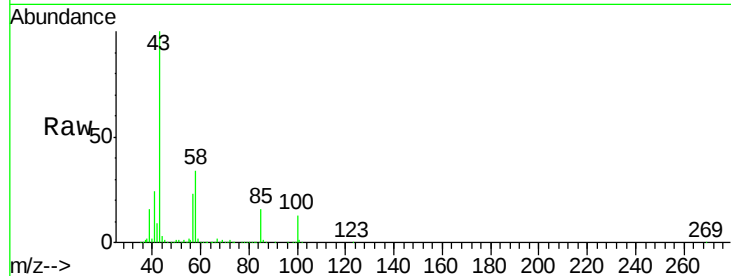
58 35.3 28.6 42.8

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#52

Toluene

Concen: 19.582 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX002527.D

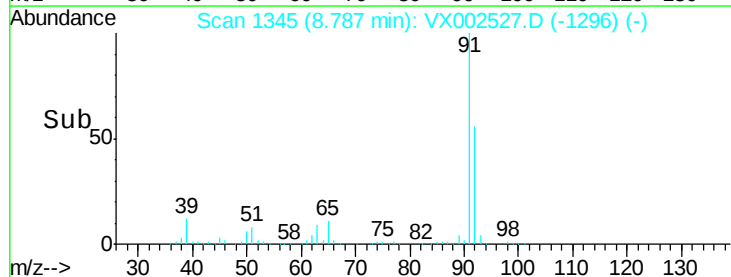
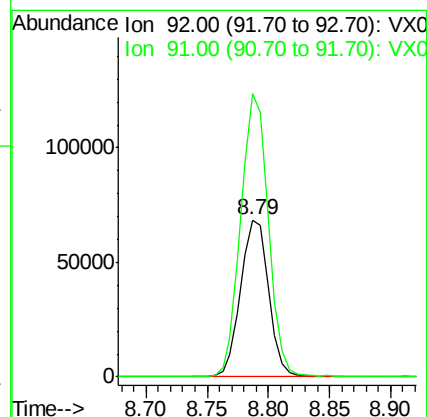
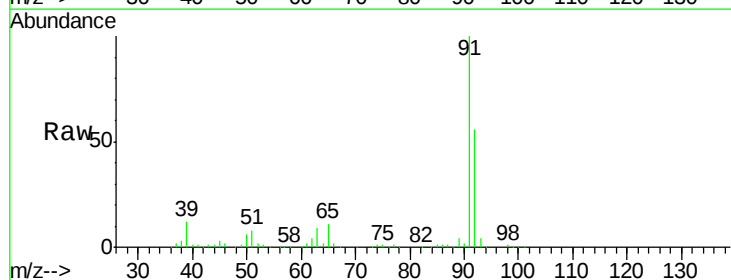
Acq: 14 Jun 2018 00:28

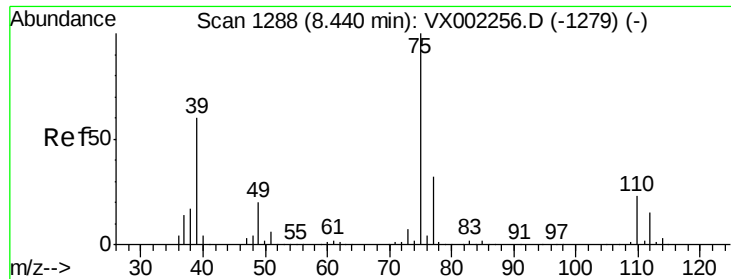
Tgt Ion: 92 Resp: 108320

Ion Ratio Lower Upper

92 100

91 178.8 140.4 210.6





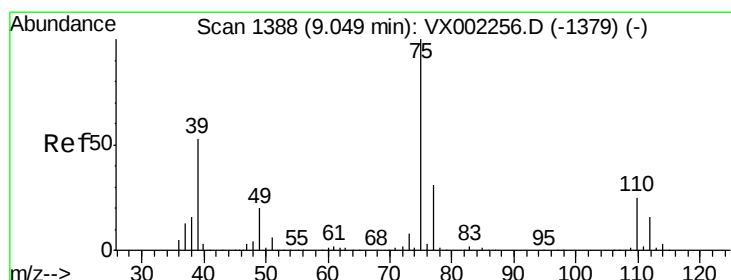
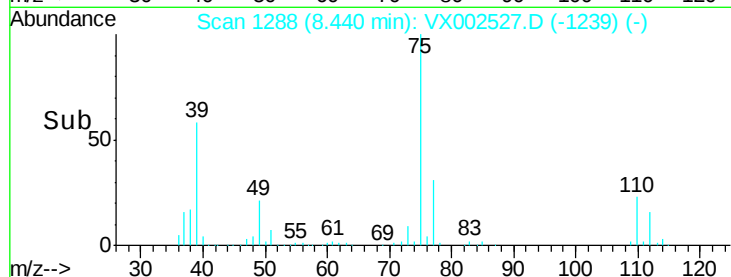
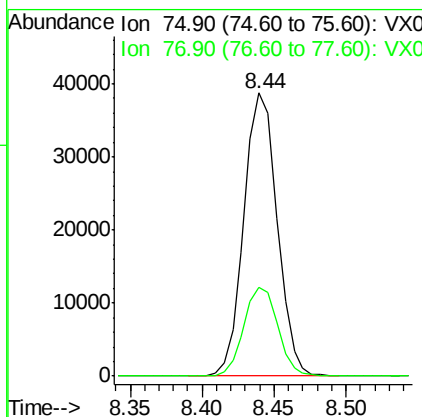
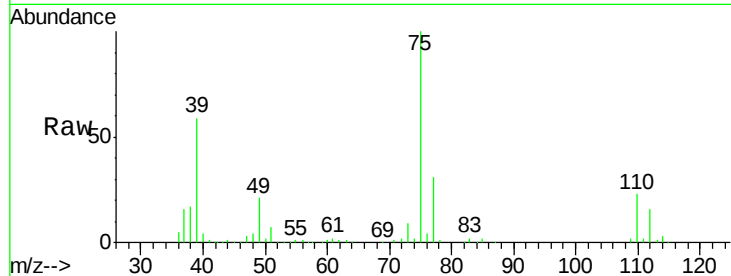
#53
 t-1,3-Dichloropropene
 Concen: 17.969 ug/l
 RT: 8.44 min Scan# 1288
 Delta R.T. -0.00 min
 Lab File: VX002527.D
 Acq: 14 Jun 2018 00:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0613MBS01

Tot Ion: 75 Resp: 62034
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.4 38.2

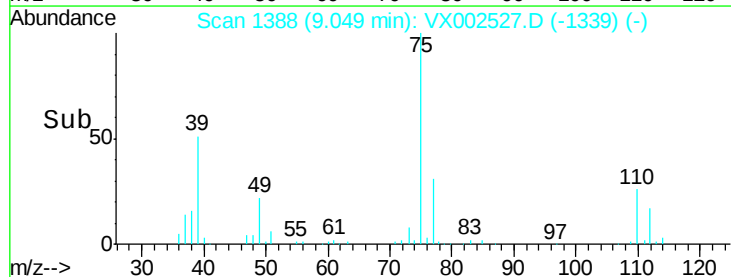
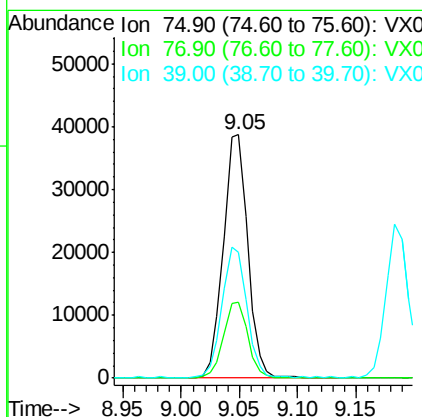
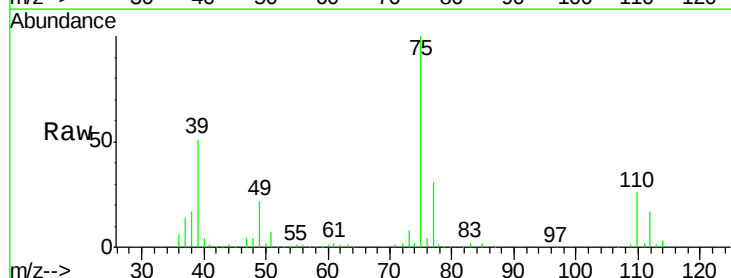
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#54
 cis-1,3-Dichloropropene
 Concen: 17.382 ug/l
 RT: 9.05 min Scan# 1388
 Delta R.T. -0.00 min
 Lab File: VX002527.D
 Acq: 14 Jun 2018 00:28

Tgt Ion: 75 Resp: 56615
 Ion Ratio Lower Upper
 75 100
 77 31.0 24.8 37.2
 39 51.3 42.4 63.6





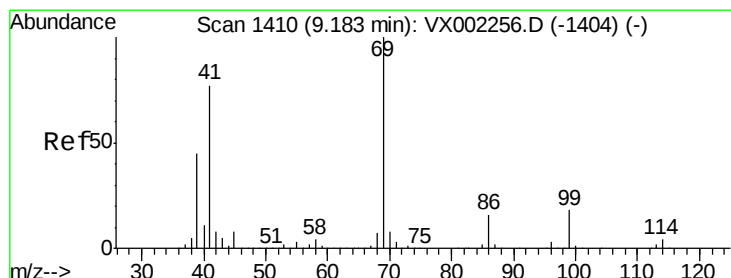
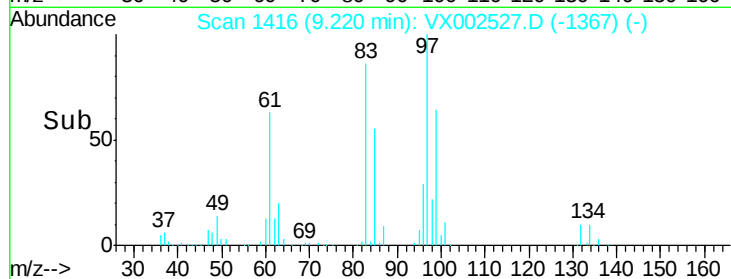
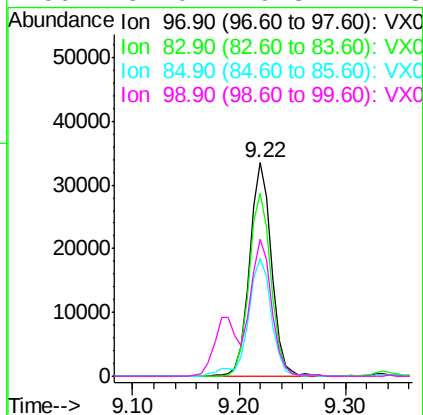
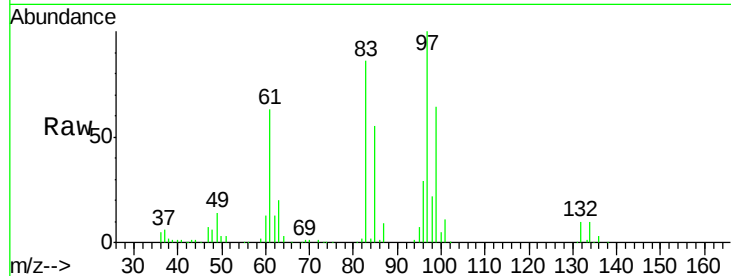
#55
 1,1,2-Trichloroethane
 Concen: 21.331 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX002527.D
 Acq: 14 Jun 2018 00:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0613MBS01

Tot Ion:	97	Resp:	48531
Ion	Ratio	Lower	Upper
97	100		
83	85.9	70.2	105.2
85	55.1	44.9	67.3
99	64.0	49.8	74.8

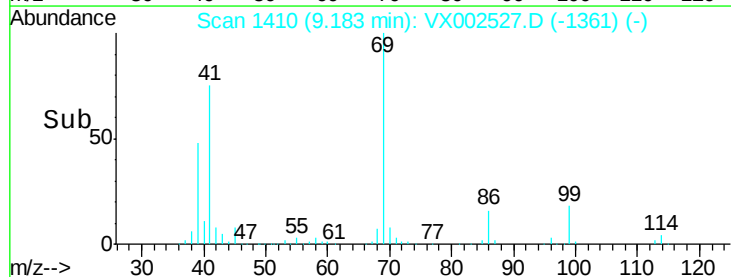
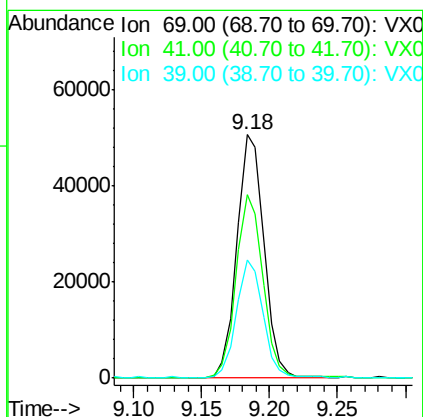
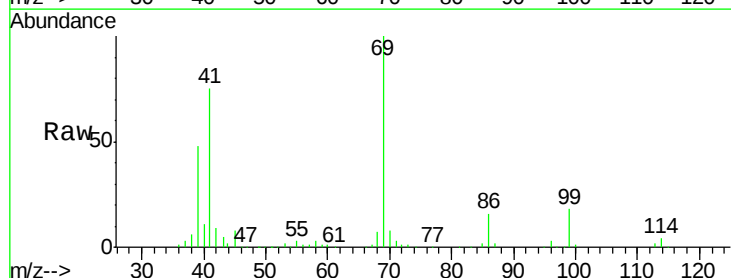
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#56
 Ethyl methacrylate
 Concen: 19.462 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX002527.D
 Acq: 14 Jun 2018 00:28

Tgt Ion:	69	Resp:	70691
Ion	Ratio	Lower	Upper
69	100		
41	74.3	60.3	90.5
39	46.7	35.8	53.8





#57

1,3-Dichloropropane

Concen: 20.884 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX002527.D

Acq: 14 Jun 2018 00:28

Instrument :

MSVOA_X

ClientSampleId :

VX0613MBS01

Tot Ion: 76 Resp: 79713

Ion Ratio Lower Upper

76 100

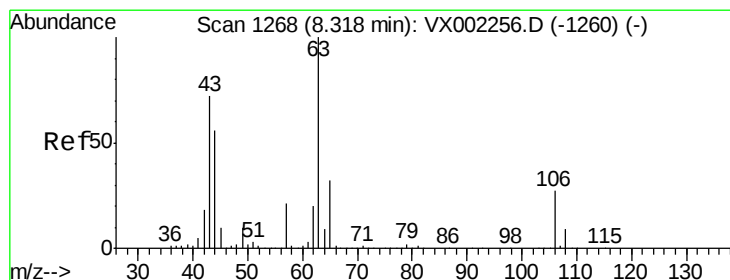
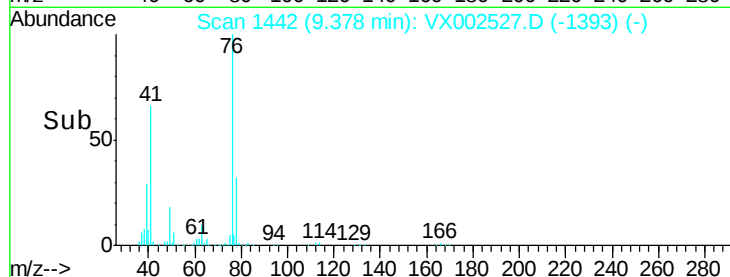
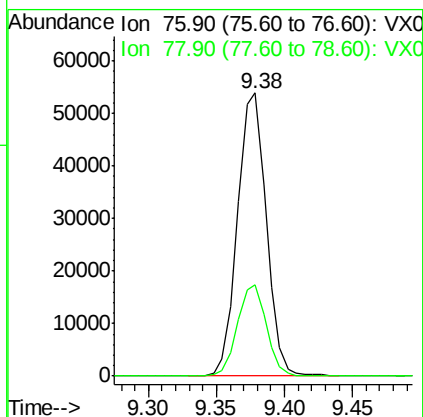
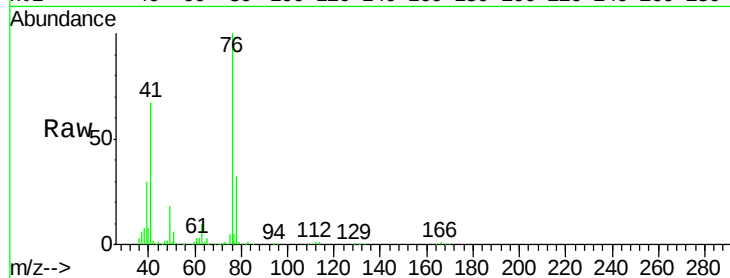
78 32.4 25.8 38.6

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#58

2-Chloroethyl Vinyl ether

Concen: 105.068 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VX002527.D

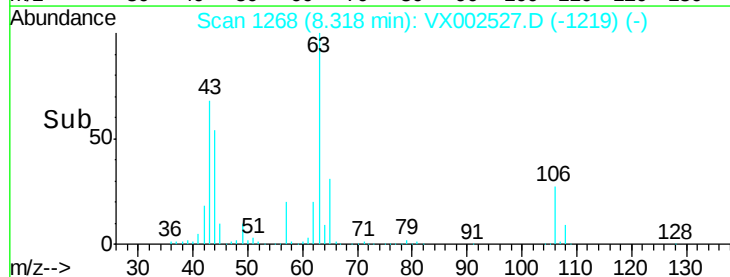
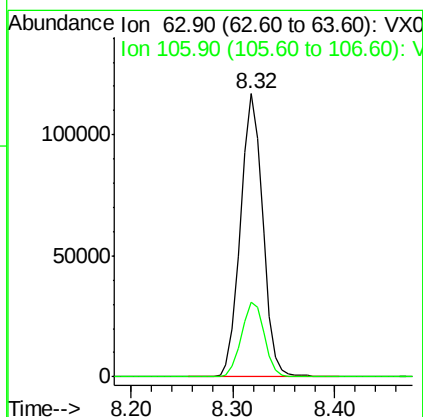
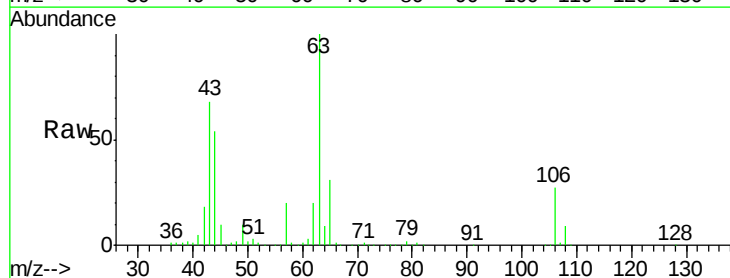
Acq: 14 Jun 2018 00:28

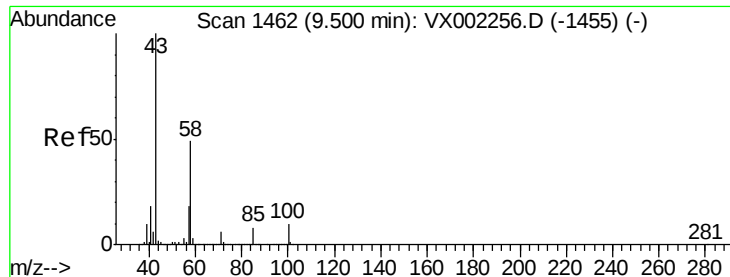
Tgt Ion: 63 Resp: 176638

Ion Ratio Lower Upper

63 100

106 27.3 21.8 32.8





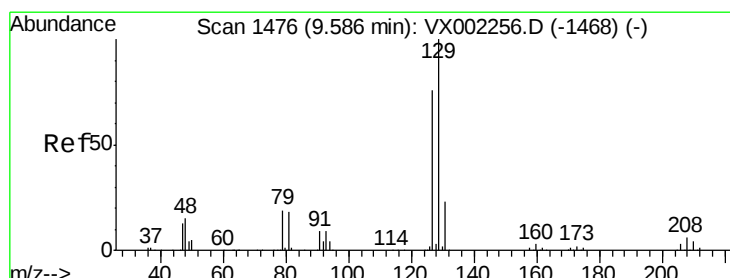
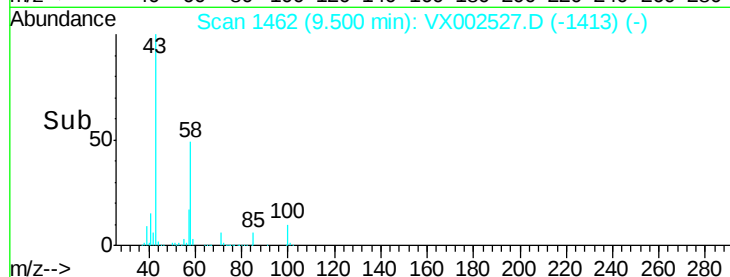
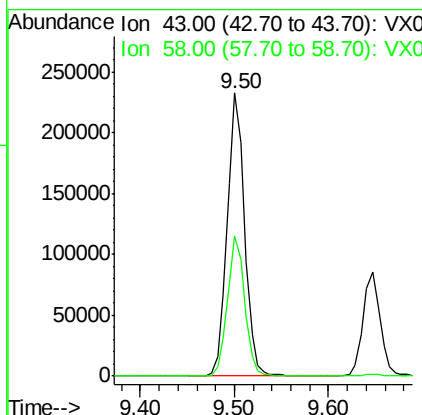
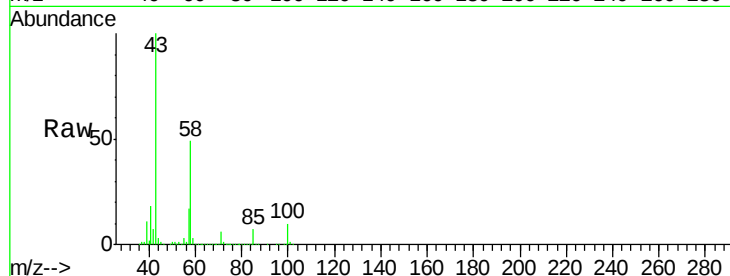
#59
2-Hexanone
Concen: 107.335 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX002527.D
Acq: 14 Jun 2018 00:28

Instrument :
MSVOA_X
ClientSampleId :
VX0613MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.2	24.6	73.6

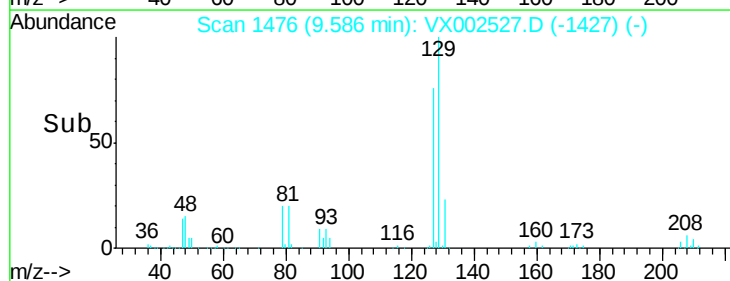
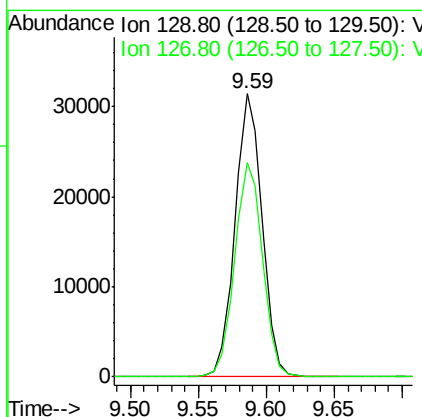
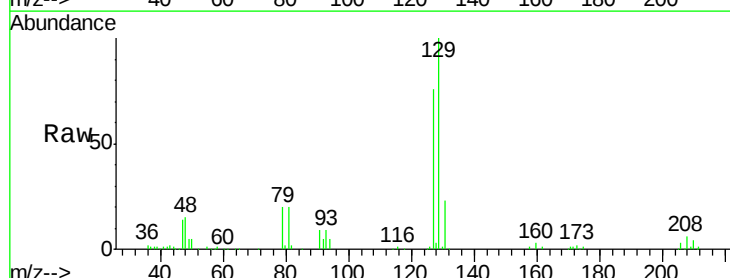
Manual Integrations
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6/14/2018 11:29:27 AM



#60
Dibromochloromethane
Concen: 19.045 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX002527.D
Acq: 14 Jun 2018 00:28

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.0	38.5	115.3





#61

1,2-Dibromoethane

Concen: 20.889 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX002527.D

Acq: 14 Jun 2018 00:28

Instrument :

MSVOA_X

ClientSampleId :

VX0613MBSD01

Tot Ion:107 Resp: 49554

Ion Ratio Lower Upper

107 100

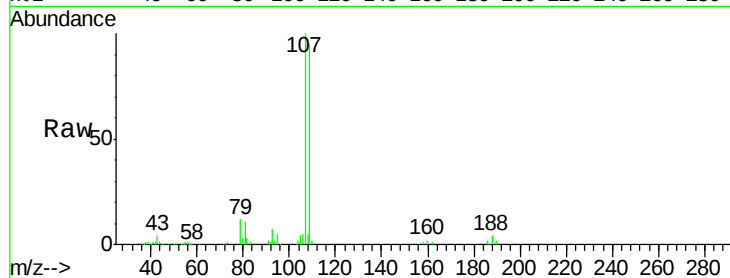
109 94.0 75.3 112.9

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

40000

30000

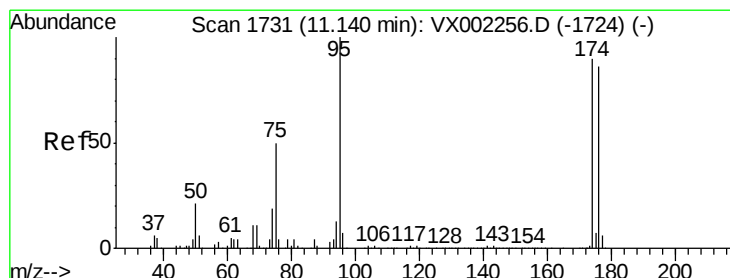
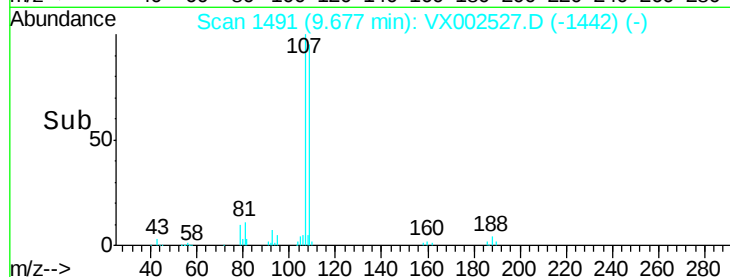
20000

10000

0

9.60 9.65 9.70 9.75 9.80

Time-->



#62

4-Bromofluorobenzene

Concen: 46.334 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX002527.D

Acq: 14 Jun 2018 00:28

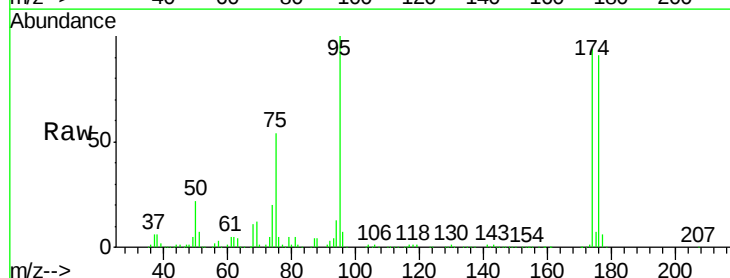
Tgt Ion: 95 Resp: 145314

Ion Ratio Lower Upper

95 100

174 95.9 0.0 187.4

176 92.3 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

11.14

150000

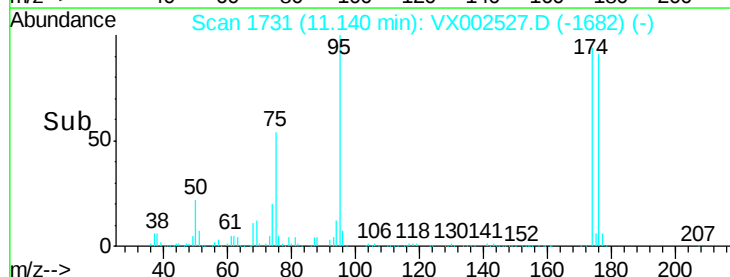
100000

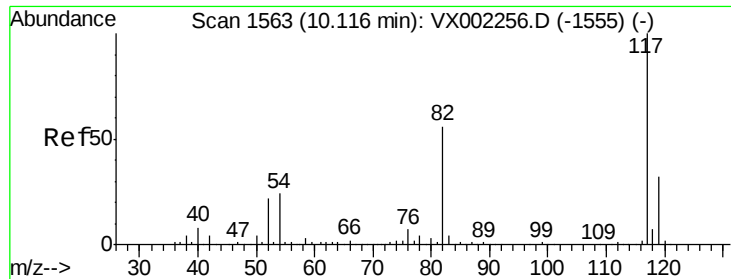
50000

0

11.10 11.20

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX002527.D

Acq: 14 Jun 2018 00:28

Instrument :

MSVOA_X

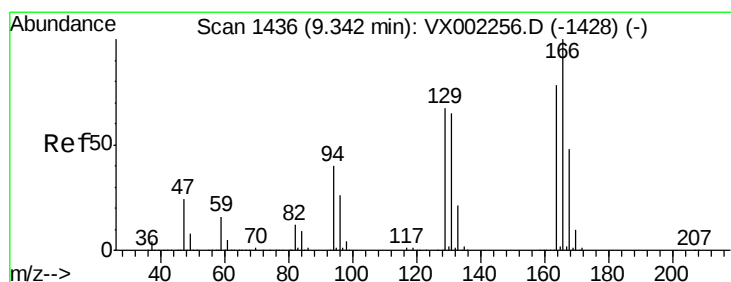
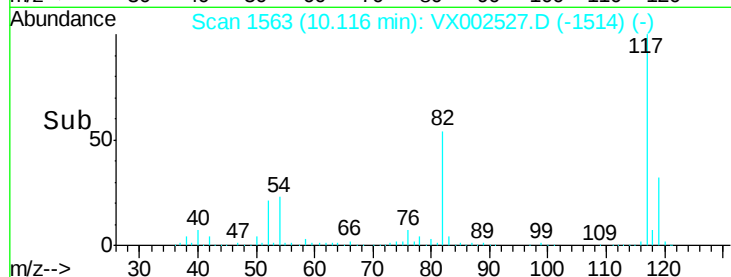
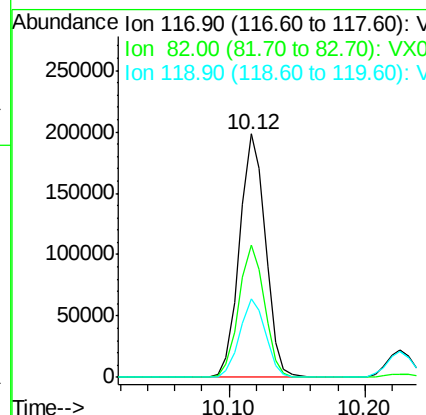
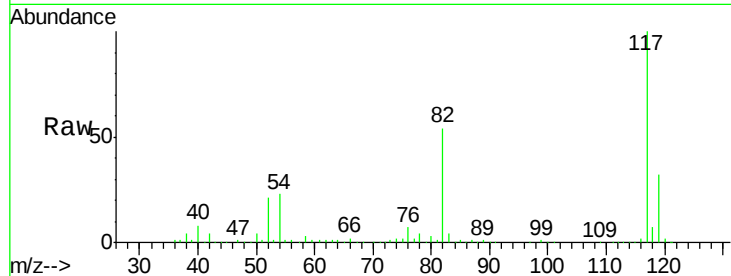
ClientSampleId :

VX0613MBS01

Tot Ion:	117	Resp:	262851
Ion Ratio	Lower	Upper	
117	100		
82	54.1	45.0	67.4
119	32.2	25.8	38.6

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#64

Tetrachloroethene

Concen: 19.037 ug/l

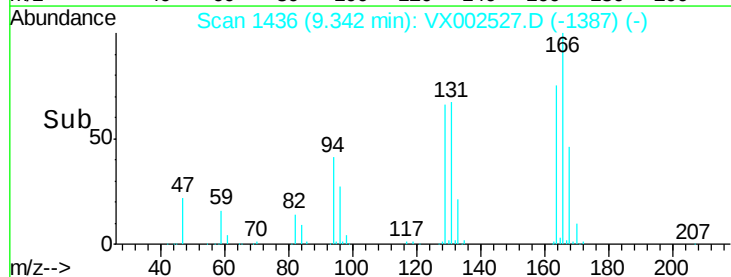
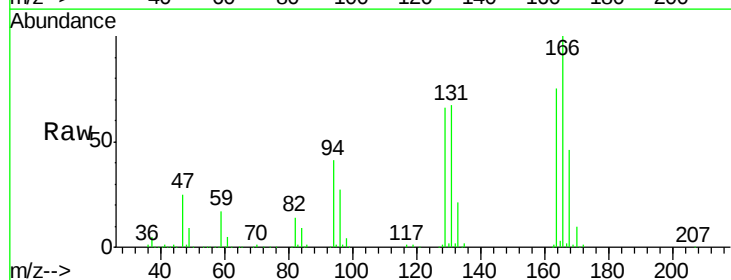
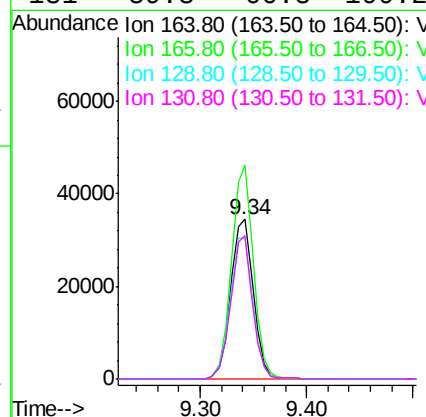
RT: 9.34 min Scan# 1436

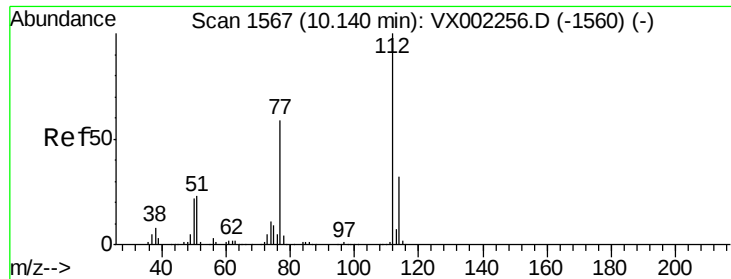
Delta R.T. -0.00 min

Lab File: VX002527.D

Acq: 14 Jun 2018 00:28

Tgt Ion:	164	Resp:	51607
Ion Ratio	Lower	Upper	
164	100		
166	133.6	102.9	154.3
129	87.7	68.6	102.8
131	89.3	66.8	100.2





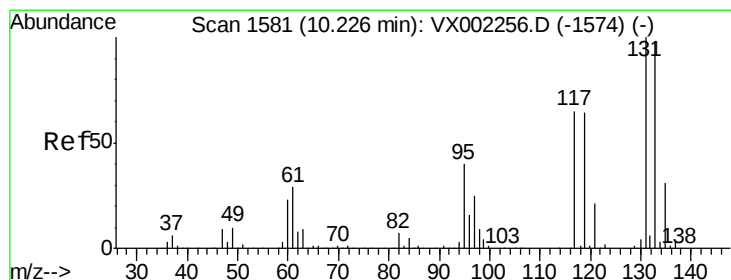
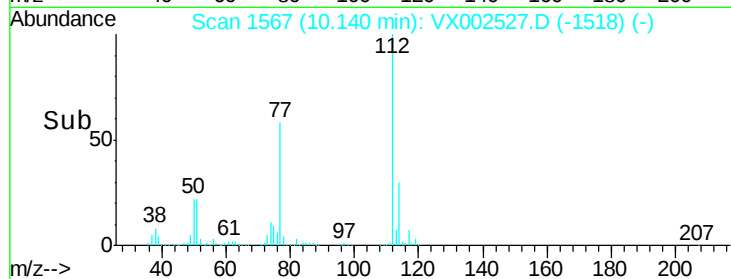
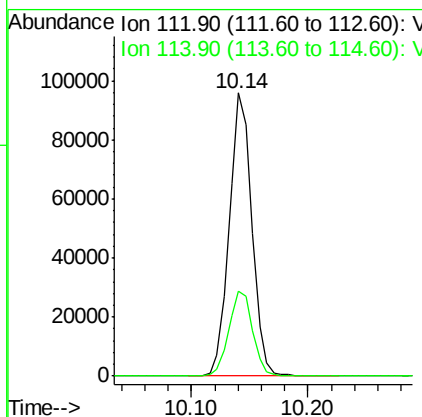
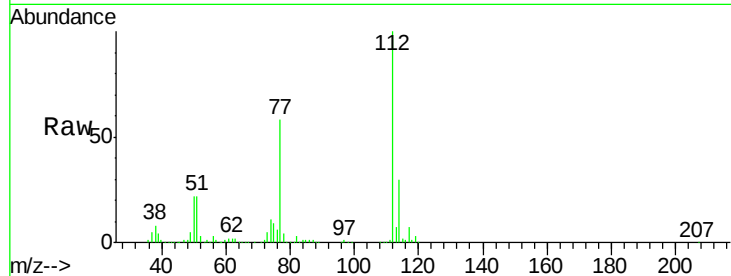
#65
Chlorobenzene
Concen: 19.819 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX002527.D
Acq: 14 Jun 2018 00:28

Instrument :
MSVOA_X
ClientSampleId :
VX0613MBS01

Tot Ion:112 Resp: 129625
Ion Ratio Lower Upper
112 100
114 30.0 25.3 37.9

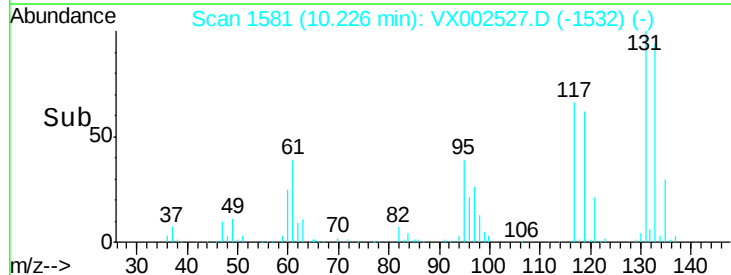
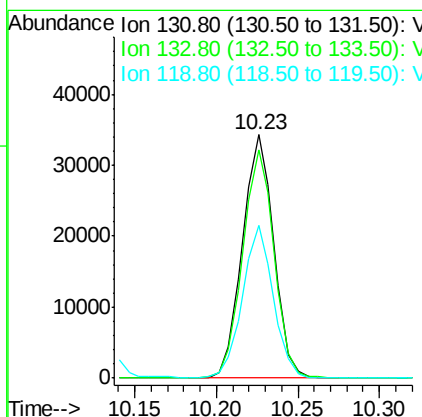
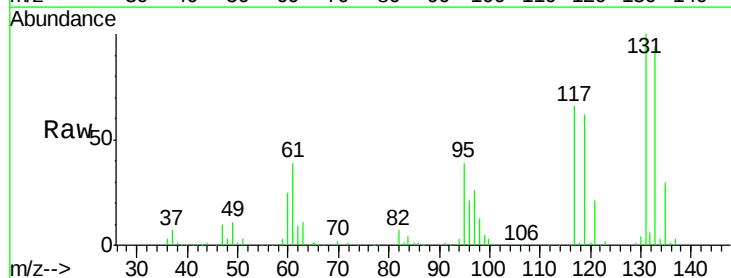
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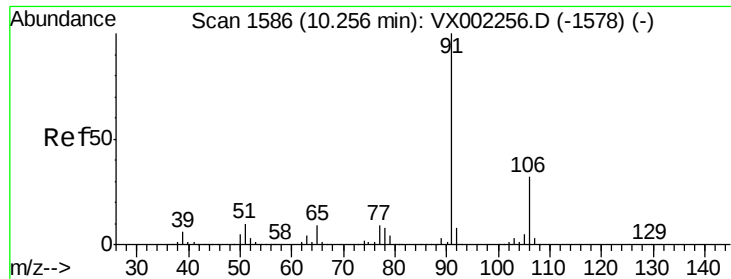
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.390 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX002527.D
Acq: 14 Jun 2018 00:28

Tgt Ion:131 Resp: 45920
Ion Ratio Lower Upper
131 100
133 94.1 47.9 143.6
119 61.7 31.8 95.3





#67

Ethyl Benzene

Concen: 19.463 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX002527.D

Acq: 14 Jun 2018 00:28

Instrument :

MSVOA_X

ClientSampleId :

VX0613MBS01

Tot Ion: 91 Resp: 213038

Ion Ratio Lower Upper

91 100

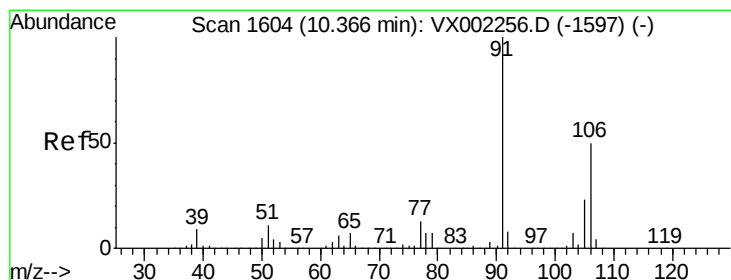
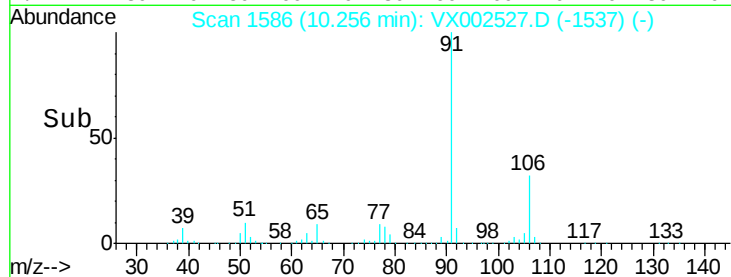
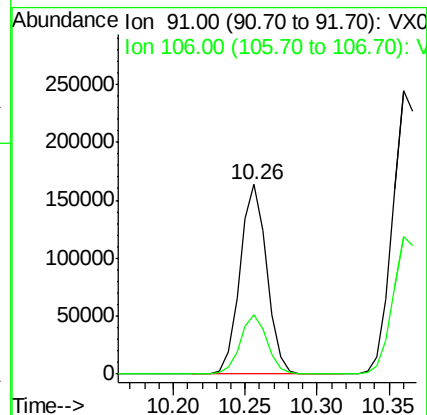
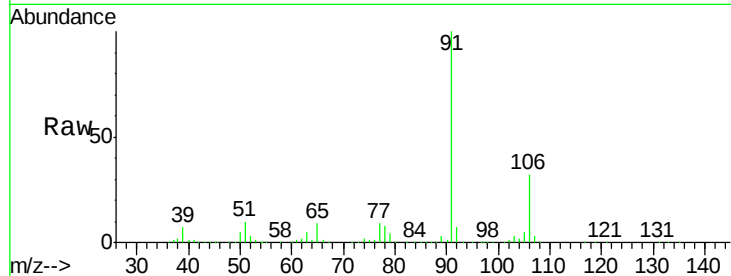
106 31.6 25.5 38.3

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#68

m/p-Xylenes

Concen: 38.183 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.01 min

Lab File: VX002527.D

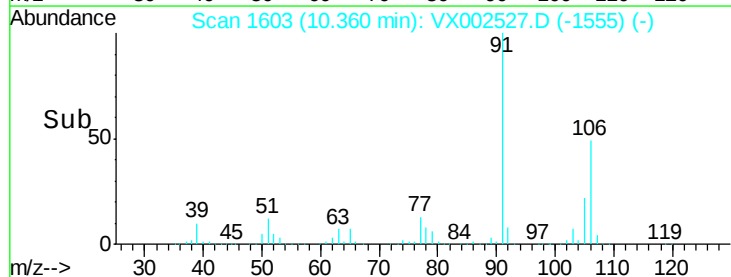
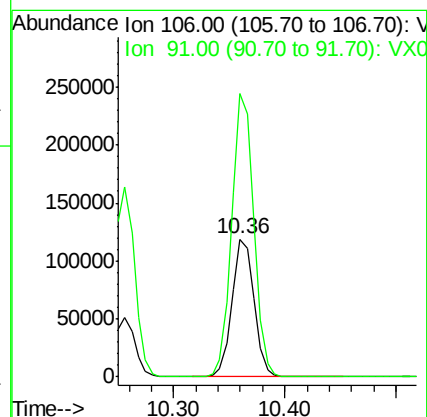
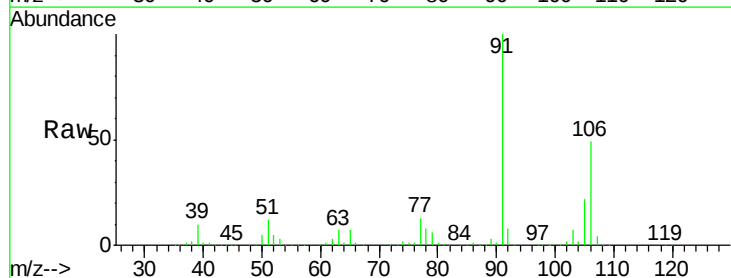
Acq: 14 Jun 2018 00:28

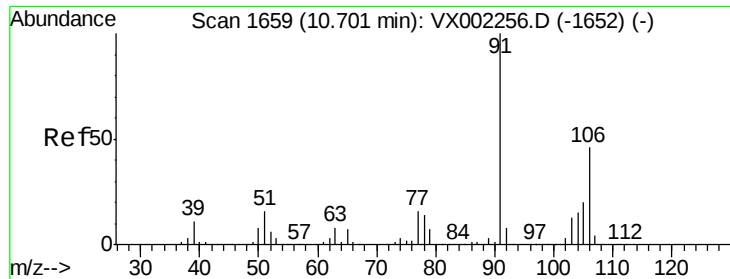
Tgt Ion: 106 Resp: 162464

Ion Ratio Lower Upper

106 100

91 204.9 163.4 245.2





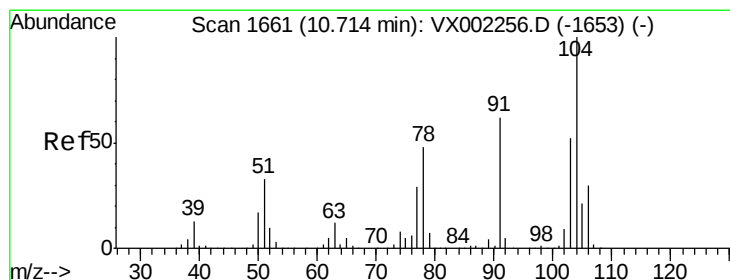
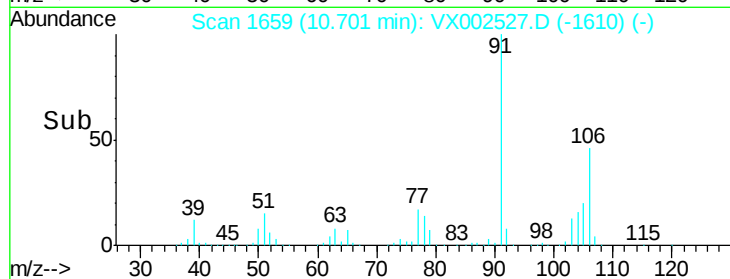
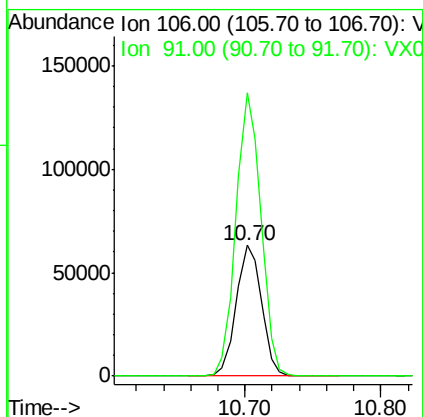
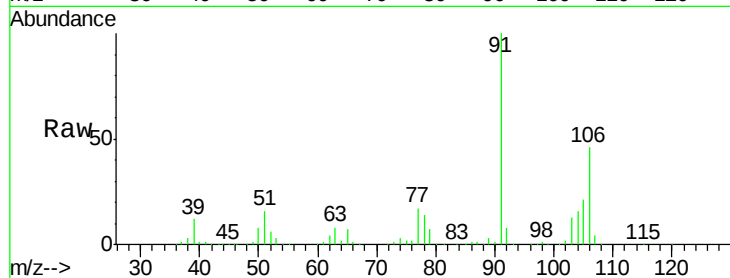
#69
o-Xylene
Concen: 19.345 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002527.D
Acq: 14 Jun 2018 00:28

Instrument :
MSVOA_X
ClientSampleId :
VX0613MBS01

Tot Ion:106 Resp: 81910
Ion Ratio Lower Upper
106 100
91 213.6 108.2 324.6

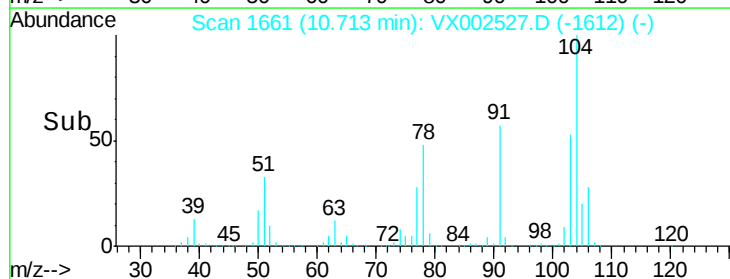
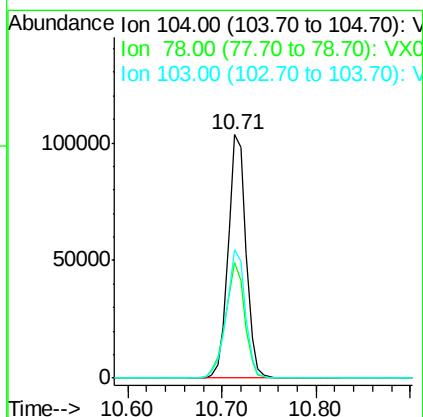
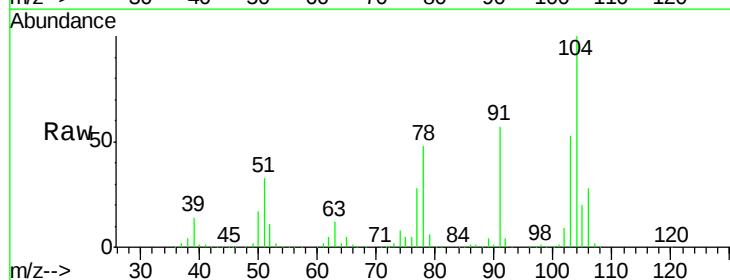
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#70
Styrene
Concen: 19.605 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX002527.D
Acq: 14 Jun 2018 00:28

Tgt Ion:104 Resp: 135708
Ion Ratio Lower Upper
104 100
78 51.2 41.0 61.6
103 56.0 44.2 66.4





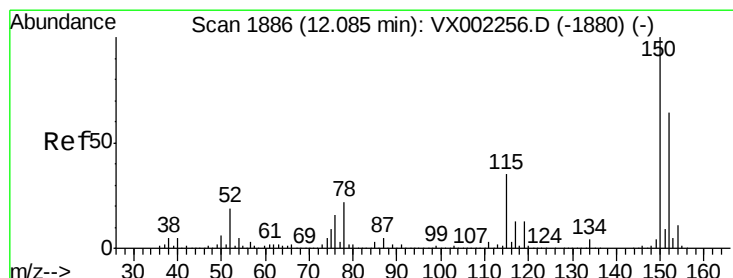
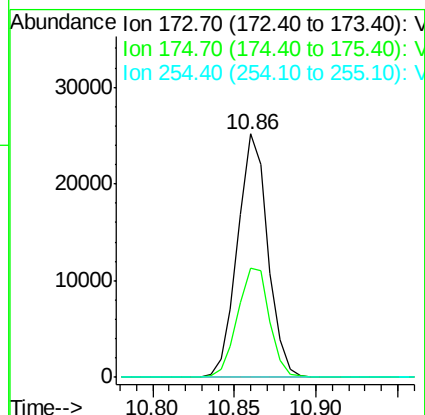
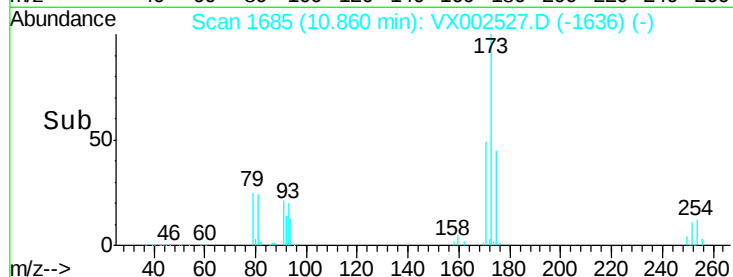
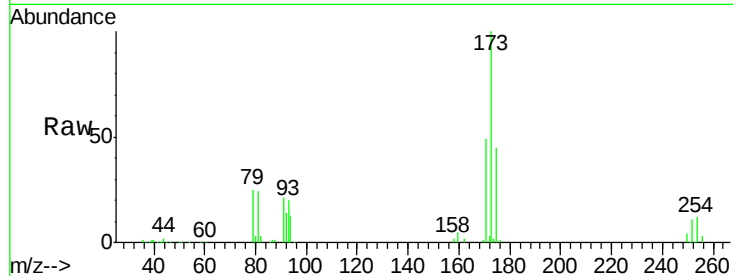
#71
Bromoform
Concen: 17.778 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX002527.D
Acq: 14 Jun 2018 00:28

Instrument :
MSVOA_X
ClientSampleId :
VX0613MBSD01

Tot Ion:173 Resp: 32630
Ion Ratio Lower Upper
173 100
175 47.5 24.7 74.1
254 0.0 0.2 0.2#

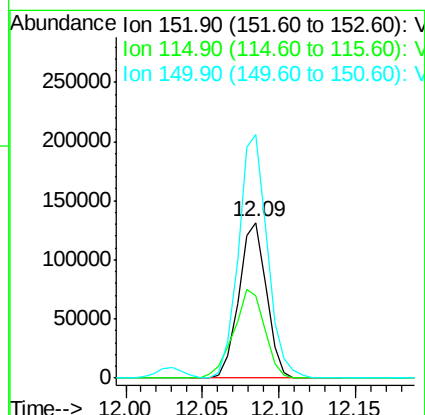
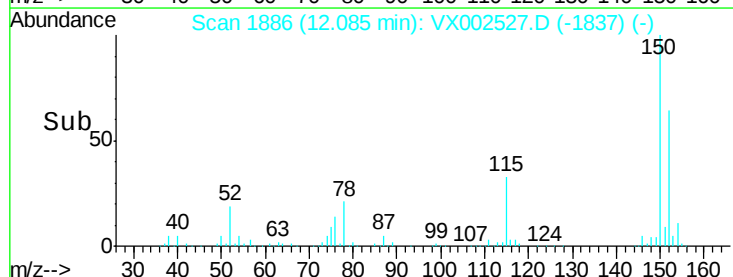
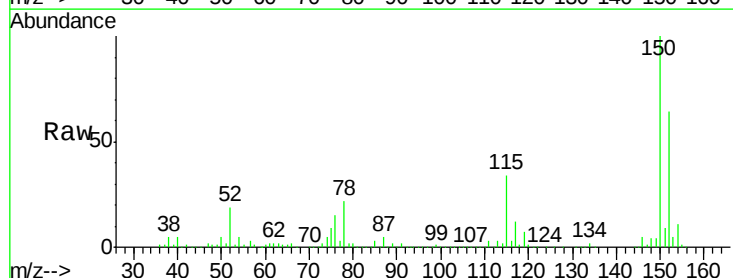
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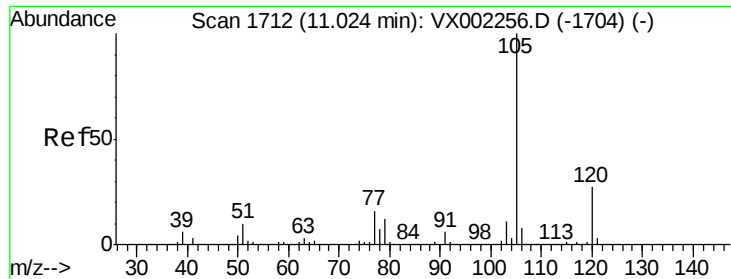
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX002527.D
Acq: 14 Jun 2018 00:28

Tgt Ion:152 Resp: 163623
Ion Ratio Lower Upper
152 100
115 64.1 40.1 120.2
150 163.9 0.0 347.2





#73

Isopropylbenzene

Concen: 19.108 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002527.D

Acq: 14 Jun 2018 00:28

Instrument :

MSVOA_X

ClientSampleId :

VX0613MBS01

Tot Ion:105 Resp: 217492

Ion Ratio Lower Upper

105 100

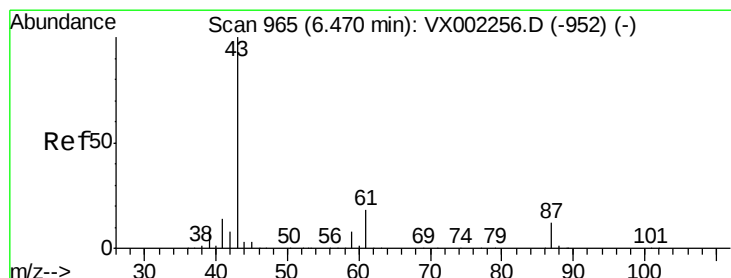
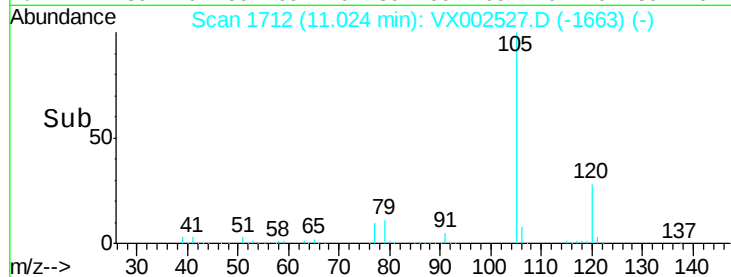
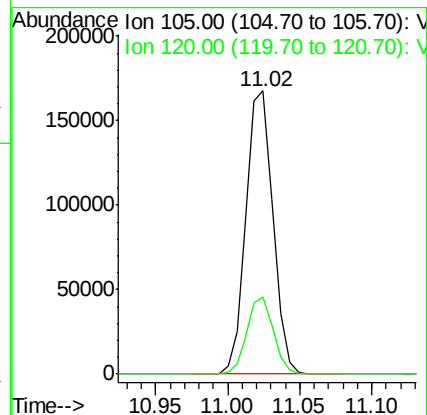
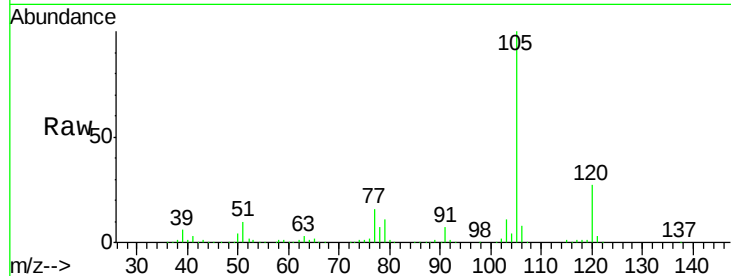
120 26.7 13.5 40.4

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#74

N-ethyl acetate

Concen: 18.729 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX002527.D

Acq: 14 Jun 2018 00:28

Tgt Ion: 43 Resp: 114869

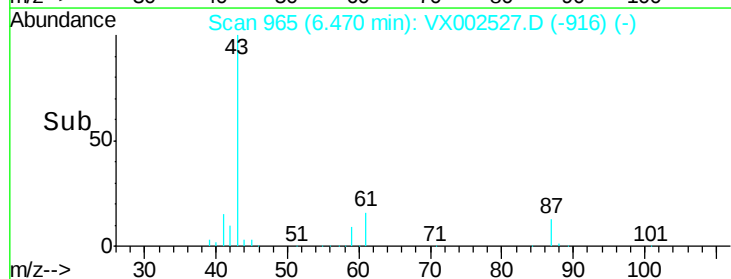
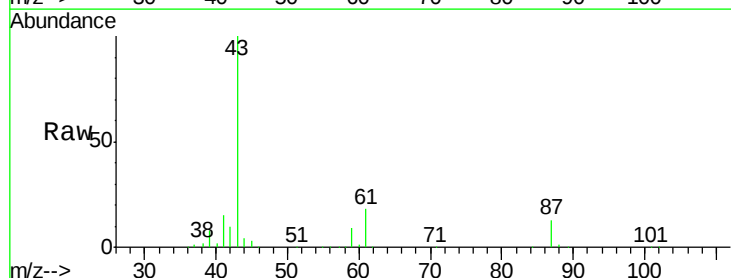
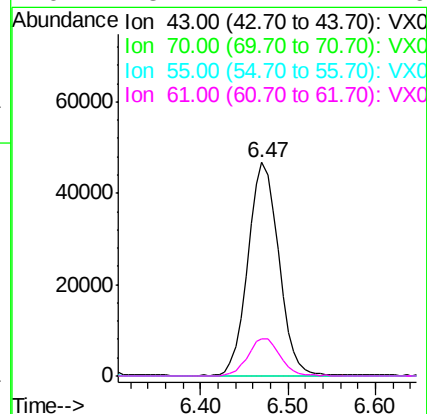
Ion Ratio Lower Upper

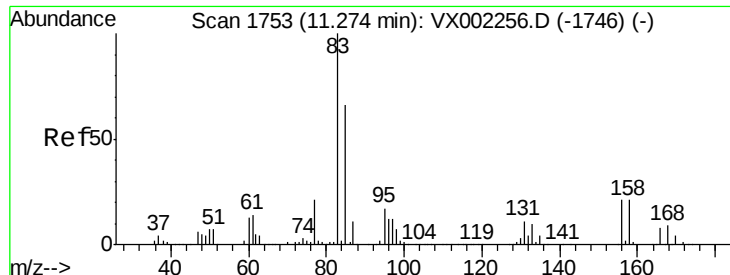
43 100

70 0.0 0.0 0.0

55 0.2 0.0 0.0#

61 18.1 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 20.616 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX002527.D

Acq: 14 Jun 2018 00:28

Instrument :

MSVOA_X

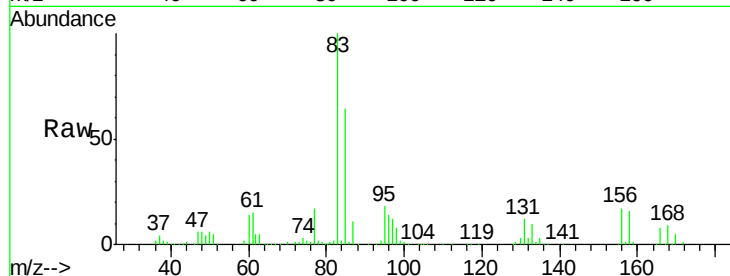
ClientSampleId :

VX0613MBSD01

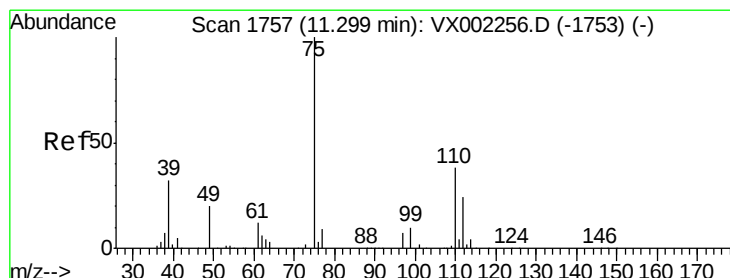
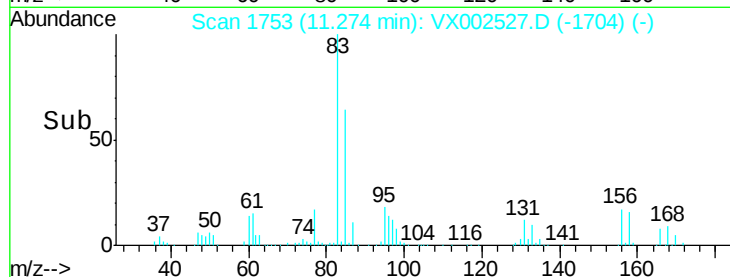
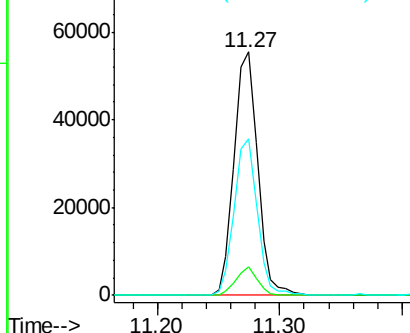
Tot Ion:	83	Resp:	73804
Ion	Ratio	Lower	Upper
83	100		
131	10.8	5.6	16.8
85	63.1	32.4	97.2

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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: 17.586 ug/l m

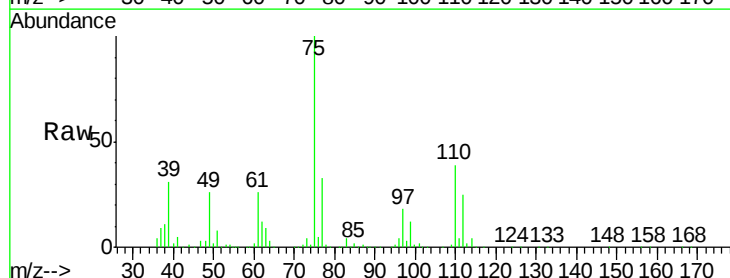
RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

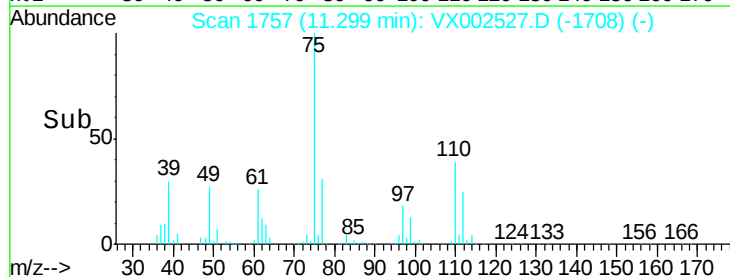
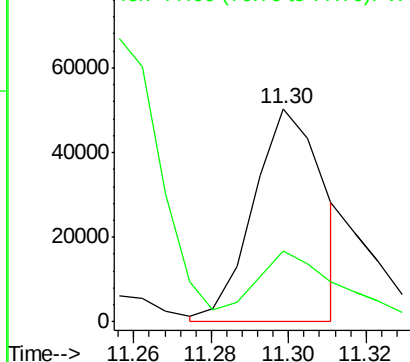
Lab File: VX002527.D

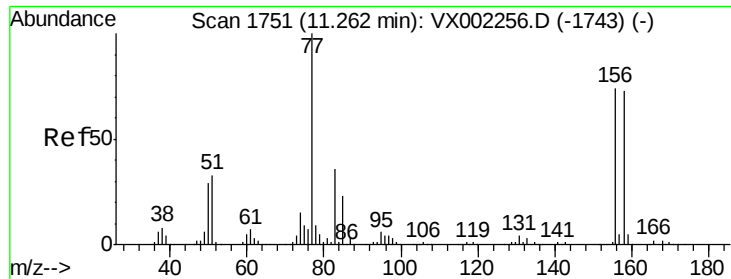
Acq: 14 Jun 2018 00:28

Tgt Ion:	75	Resp:	63139
Ion	Ratio	Lower	Upper
75	100		
77	40.6	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: 19.171 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX002527.D

Acq: 14 Jun 2018 00:28

Instrument :

MSVOA_X

ClientSampleId :

VX0613MBS01

Tot Ion:156 Resp: 61262

Ion Ratio Lower Upper

156 100

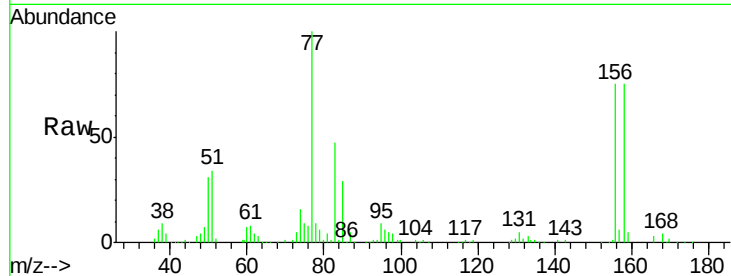
77 142.4 71.4 214.2

158 98.1 48.9 146.6

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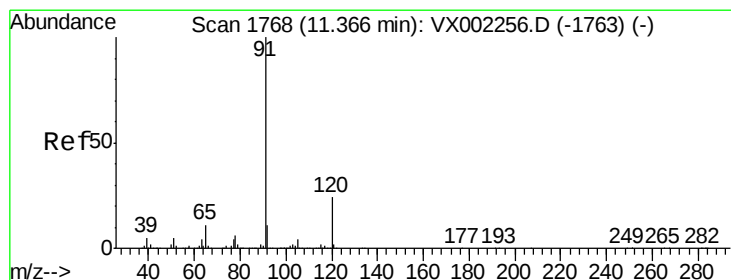
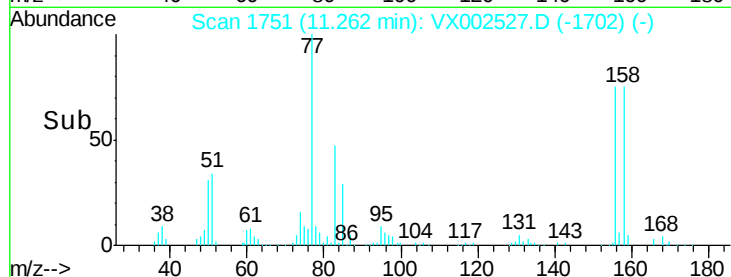
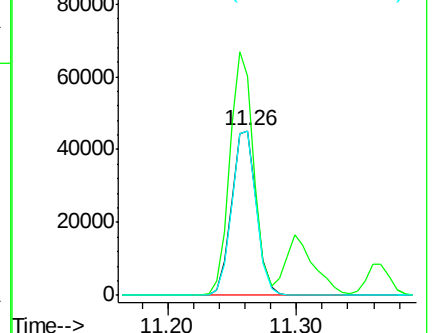
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.617 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002527.D

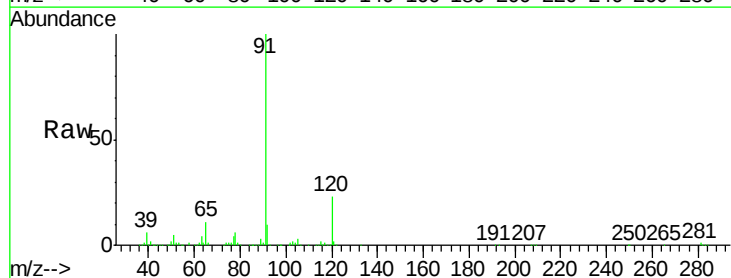
Acq: 14 Jun 2018 00:28

Tgt Ion: 91 Resp: 248180

Ion Ratio Lower Upper

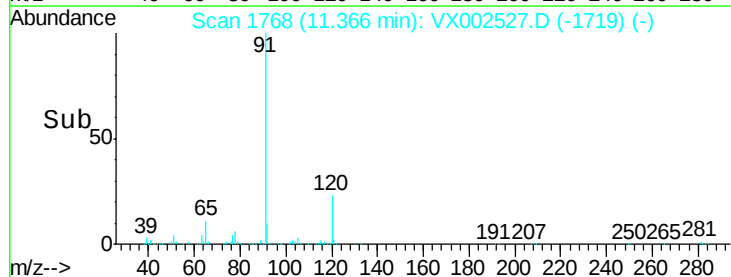
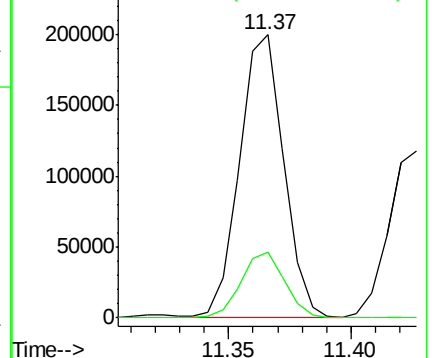
91 100

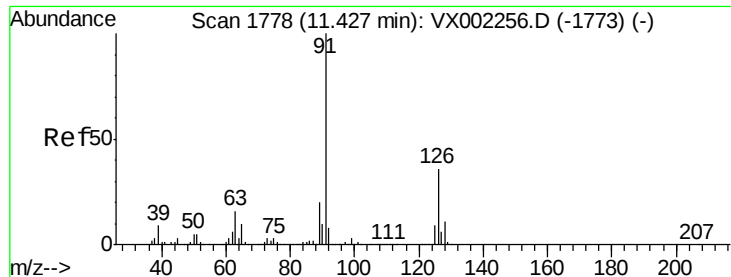
120 23.2 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.808 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX002527.D

Acq: 14 Jun 2018 00:28

Instrument :

MSVOA_X

ClientSampleId :

VX0613MBSD01

Tot Ion: 91 Resp: 150243

Ion Ratio Lower Upper

91 100

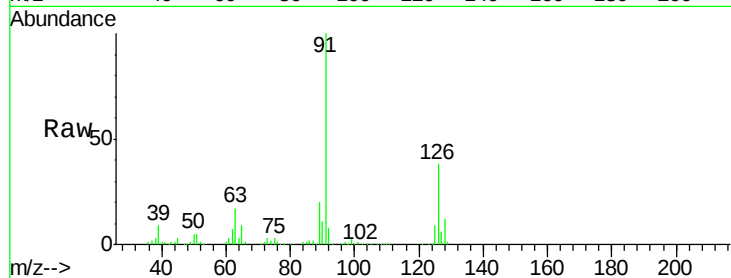
126 35.9 17.7 53.1

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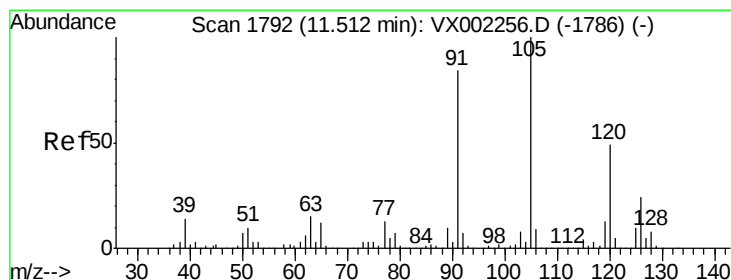
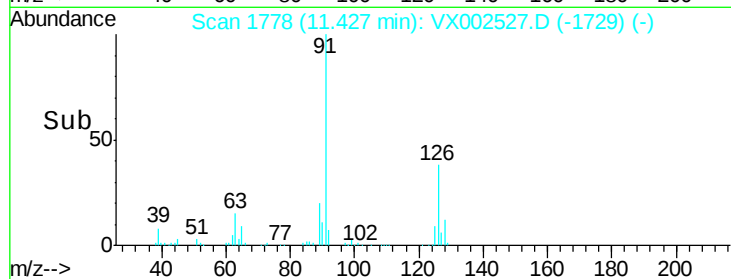
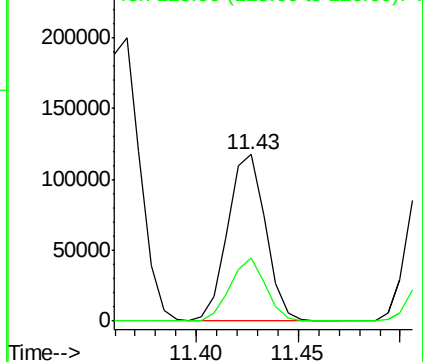
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.058 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002527.D

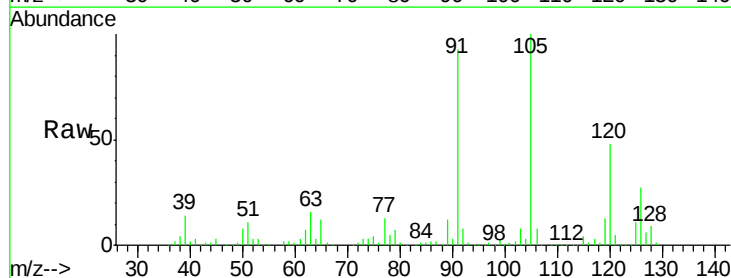
Acq: 14 Jun 2018 00:28

Tgt Ion:105 Resp: 186064

Ion Ratio Lower Upper

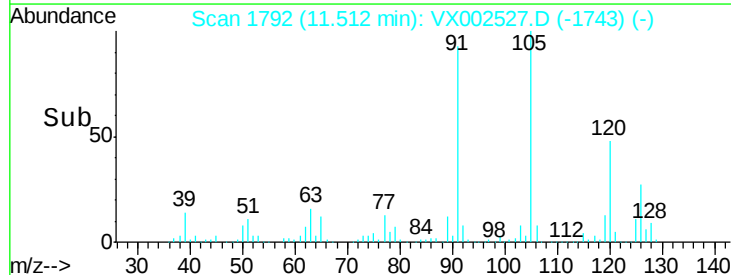
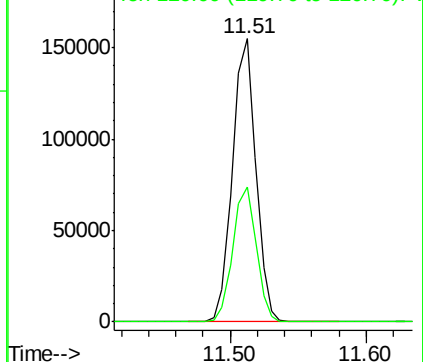
105 100

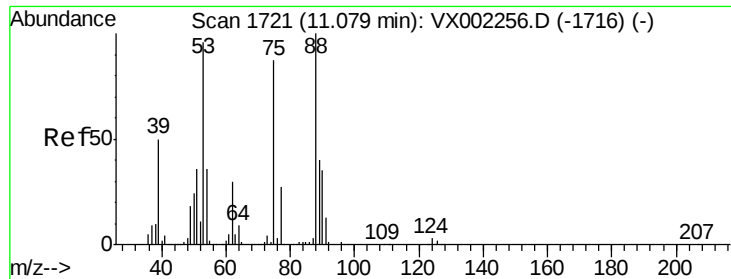
120 47.9 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





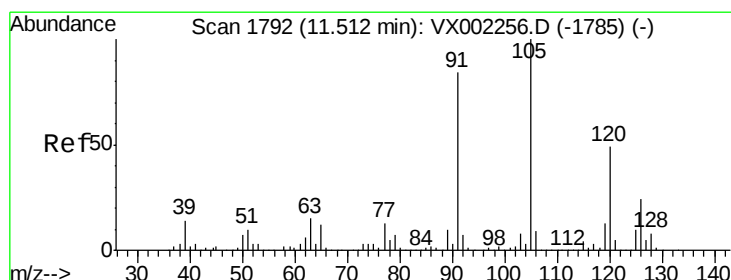
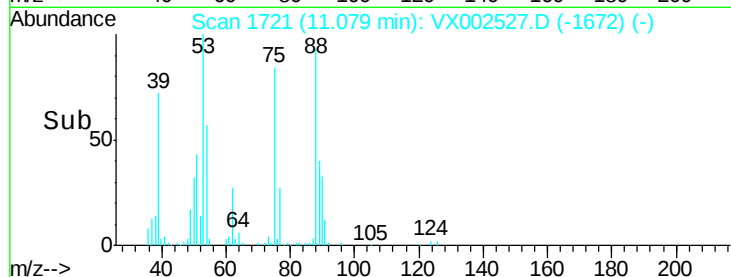
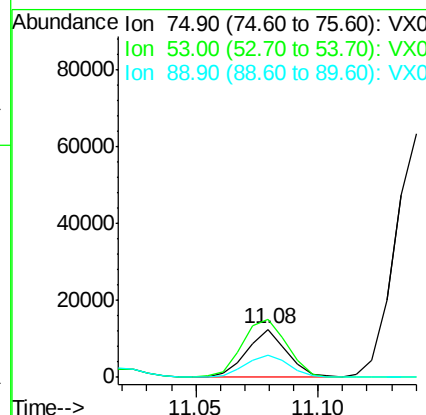
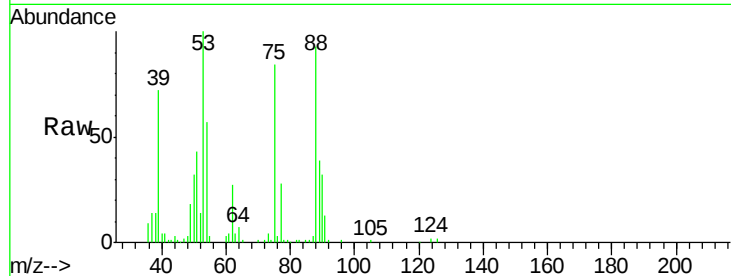
#81
trans-1,4-Dichloro-2-butene
Concen: 13.886 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. -0.00 min
Lab File: VX002527.D
Acq: 14 Jun 2018 00:28

Instrument :
MSVOA_X
ClientSampleId :
VX0613MBSD01

Tot Ion: 75 Resp: 14223
Ion Ratio Lower Upper
75 100
53 136.9 86.8 130.2#
89 51.0 38.2 57.2

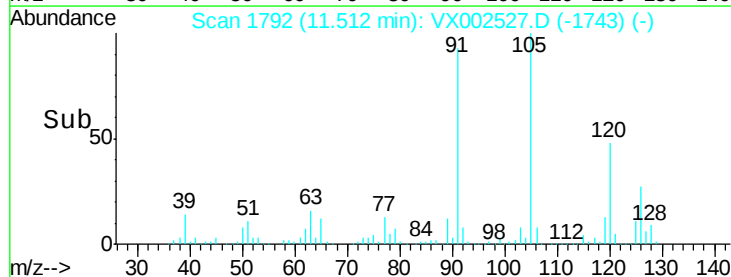
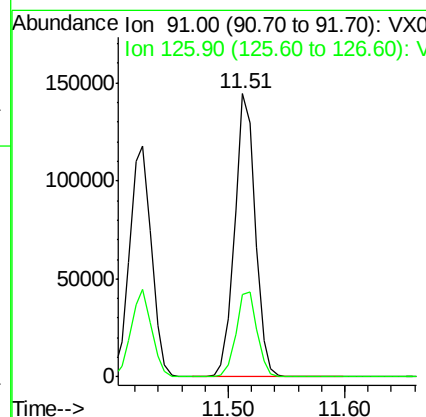
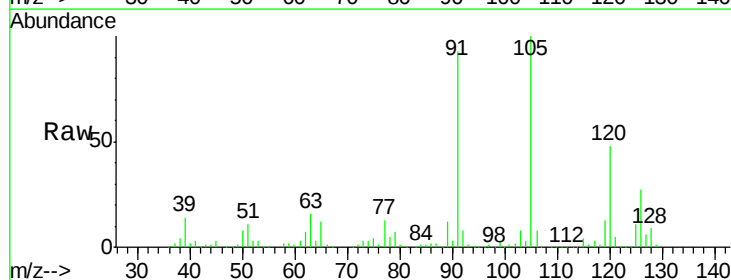
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#82
4-Chlorotoluene
Concen: 19.257 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX002527.D
Acq: 14 Jun 2018 00:28

Tgt Ion: 91 Resp: 177558
Ion Ratio Lower Upper
91 100
126 30.8 15.4 46.4





#83

tert-Butylbenzene

Concen: 18.832 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX002527.D

Acq: 14 Jun 2018 00:28

Instrument :

MSVOA_X

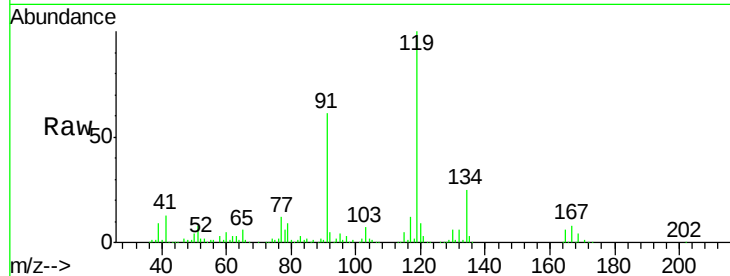
ClientSampleId :

VX0613MBSD01

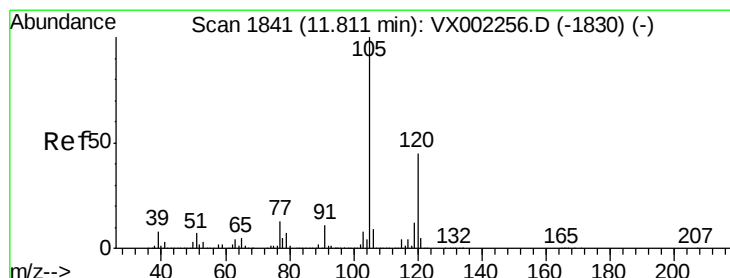
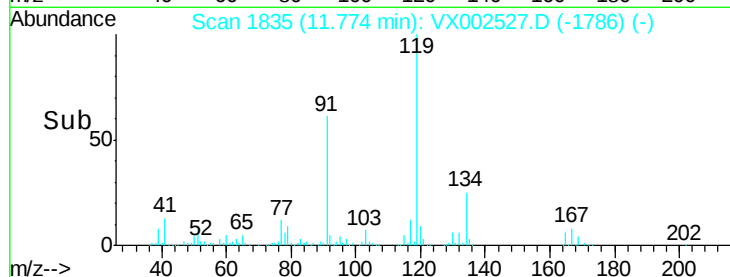
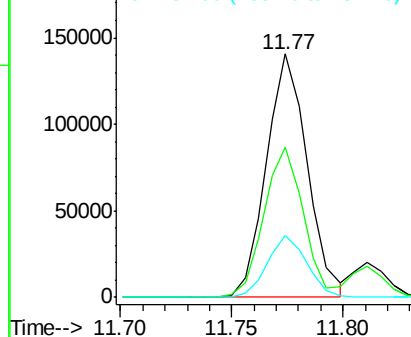
Tot Ion:	119	Resp:	179037
Ion Ratio	Lower	Upper	
119	100		
91	60.3	30.3	90.9
134	24.6	11.7	35.1

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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VX0
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 19.090 ug/l

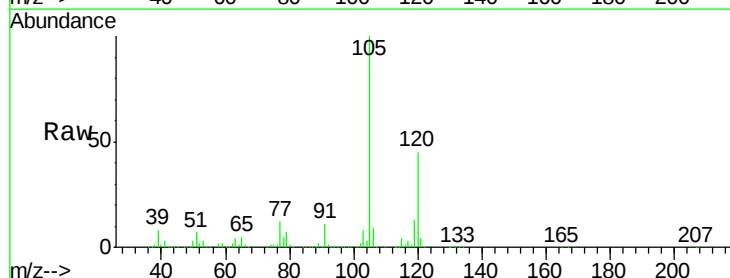
RT: 11.81 min Scan# 1841

Delta R.T. -0.00 min

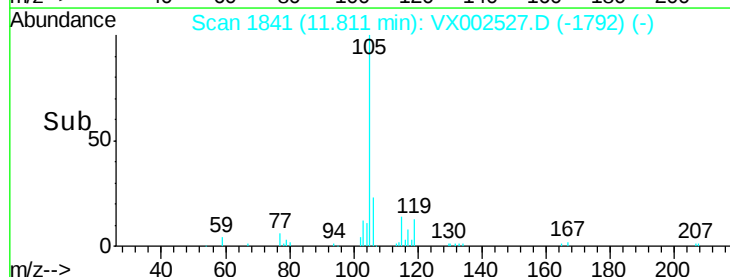
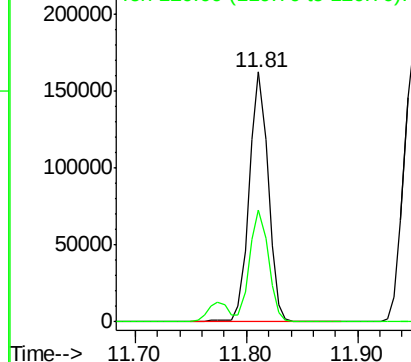
Lab File: VX002527.D

Acq: 14 Jun 2018 00:28

Tgt Ion:	105	Resp:	191848
Ion Ratio	Lower	Upper	
105	100		
120	45.1	22.3	66.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





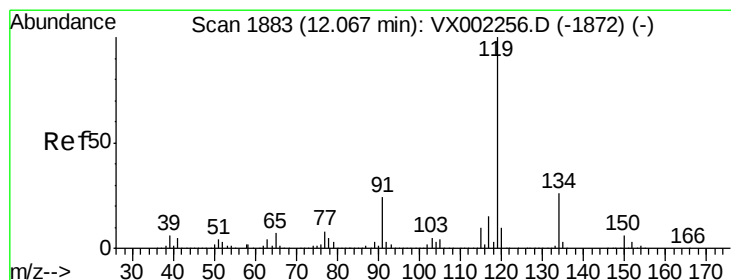
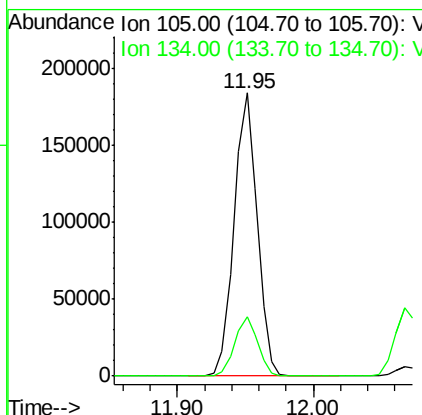
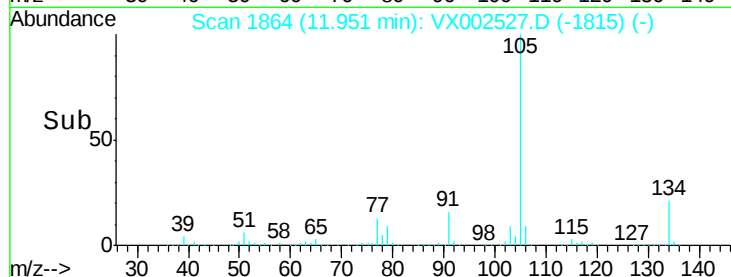
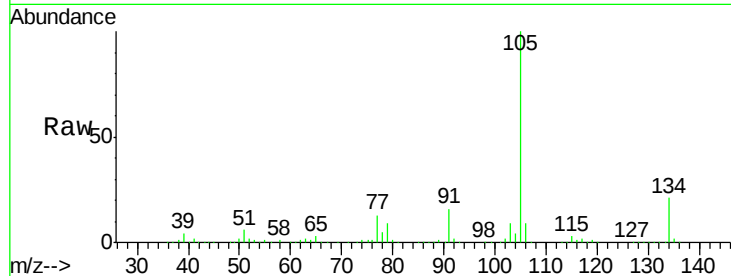
#85
 sec-Butylbenzene
 Concen: 19.466 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VX002527.D
 Acq: 14 Jun 2018 00:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0613MBS01

Tot Ion:105 Resp: 216953
 Ion Ratio Lower Upper
 105 100
 134 20.8 10.4 31.1

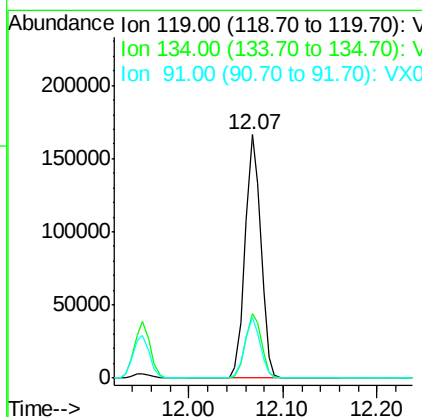
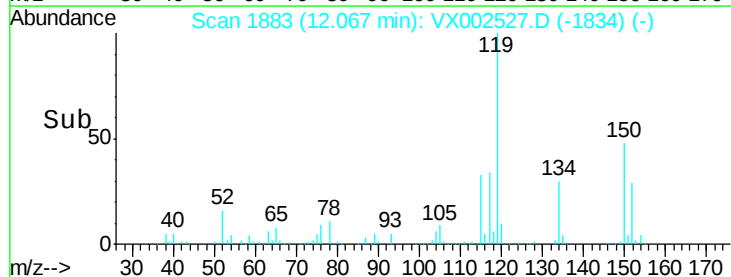
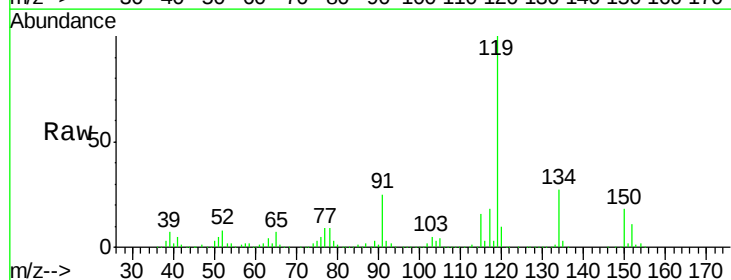
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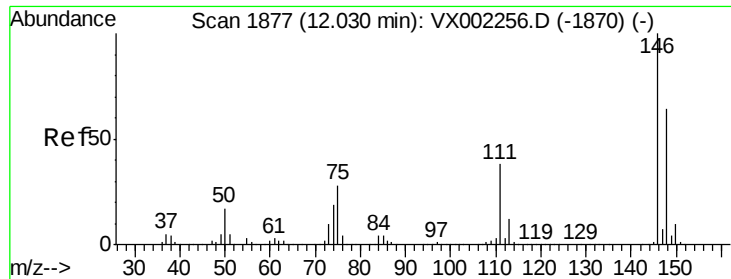
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#86
 p-Isopropyltoluene
 Concen: 19.144 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX002527.D
 Acq: 14 Jun 2018 00:28

Tgt Ion:119 Resp: 194344
 Ion Ratio Lower Upper
 119 100
 134 27.1 13.4 40.1
 91 24.4 11.9 35.7





#87

1,3-Dichlorobenzene

Concen: 19.357 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX002527.D

Acq: 14 Jun 2018 00:28

Instrument :

MSVOA_X

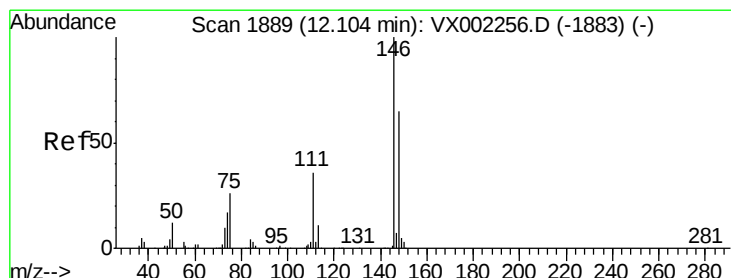
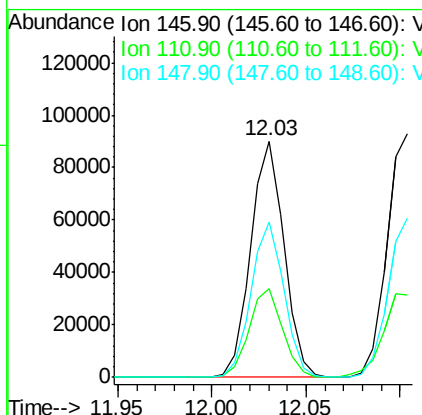
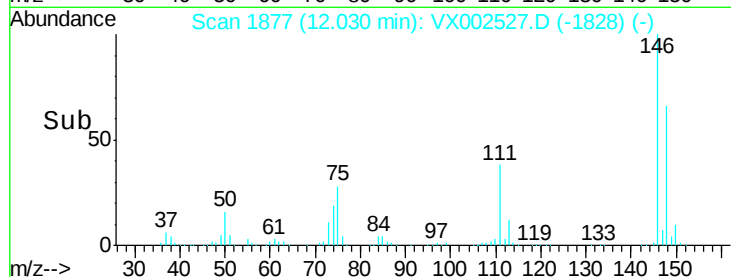
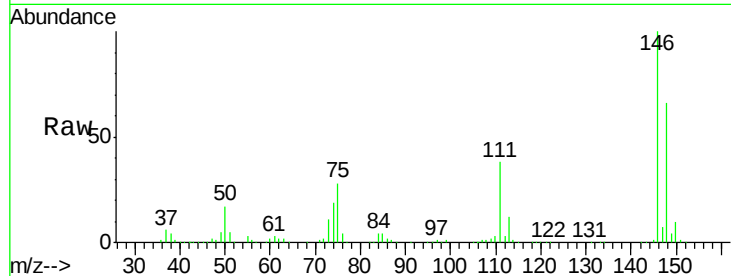
ClientSampleId :

VX0613MBSD01

Tot Ion:	146	Resp:	110597
Ion Ratio	Lower	Upper	
146	100		
111	37.8	18.9	56.7
148	64.8	32.1	96.3

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#88

1,4-Dichlorobenzene

Concen: 19.268 ug/l

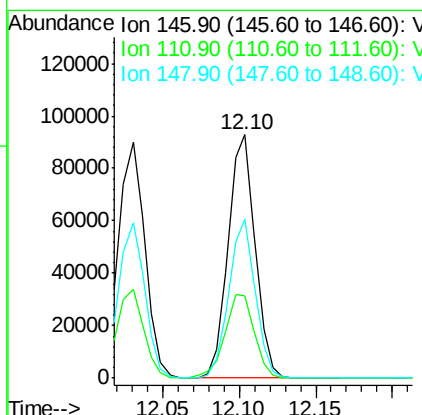
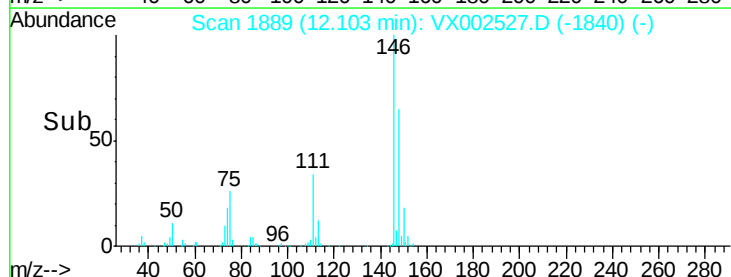
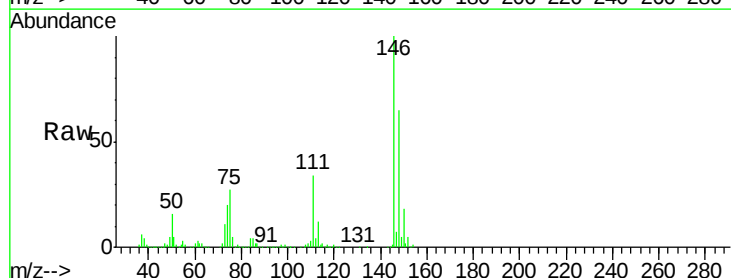
RT: 12.10 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VX002527.D

Acq: 14 Jun 2018 00:28

Tgt Ion:	146	Resp:	113473
Ion Ratio	Lower	Upper	
146	100		
111	37.6	18.7	56.1
148	64.0	32.4	97.0





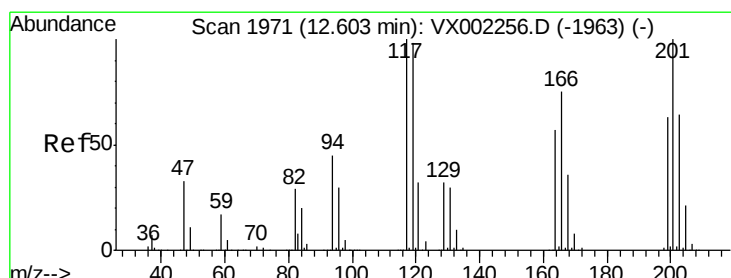
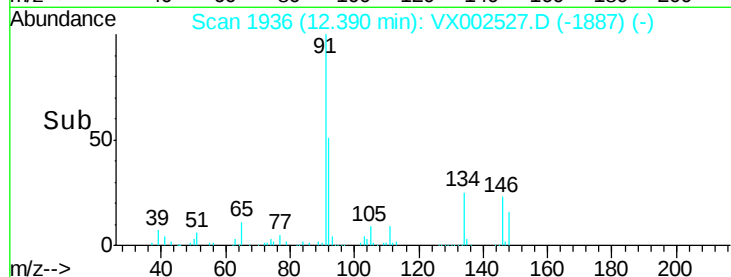
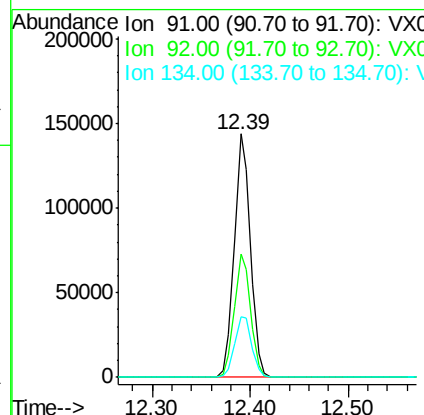
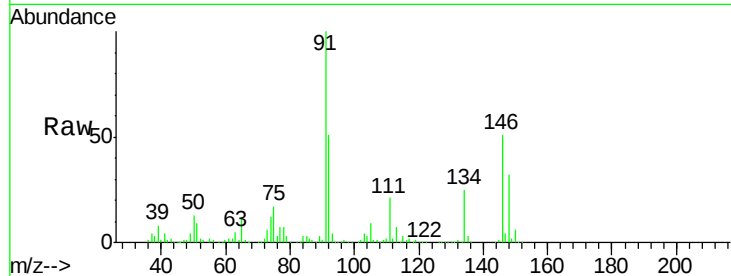
#89
n-Butylbenzene
Concen: 19.334 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX002527.D
Acq: 14 Jun 2018 00:28

Instrument :
MSVOA_X
ClientSampleId :
VX0613MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.0	26.0	78.0
134	26.4	13.5	40.5

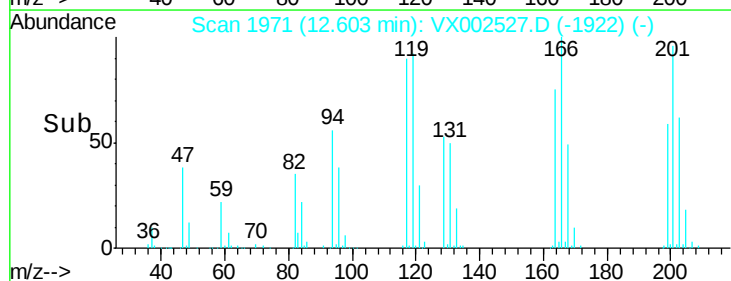
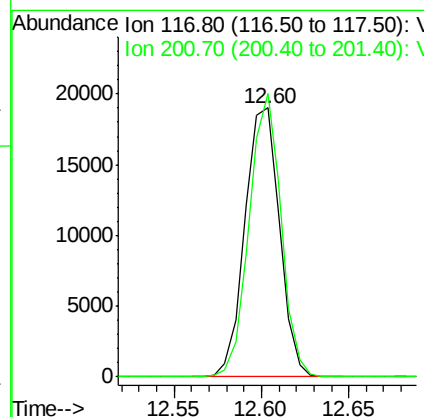
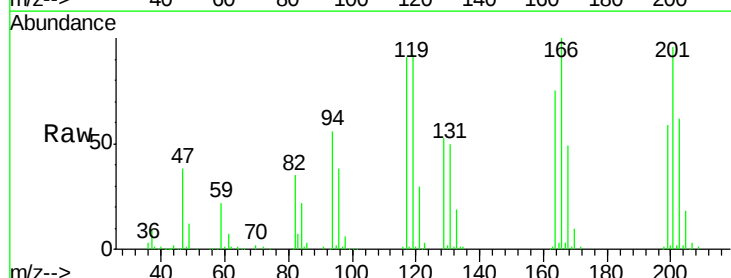
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#90
Hexachloroethane
Concen: 16.149 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX002527.D
Acq: 14 Jun 2018 00:28

Tgt Ion	Ratio	Lower	Upper
117	100		
201	96.1	49.0	147.0





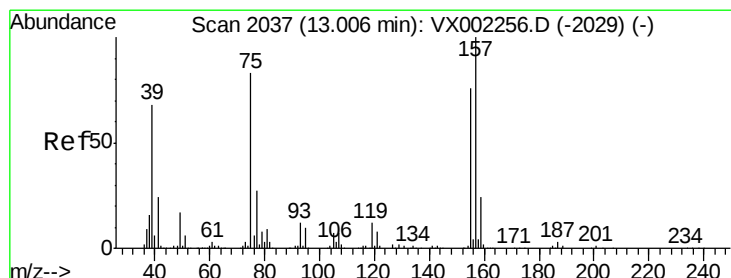
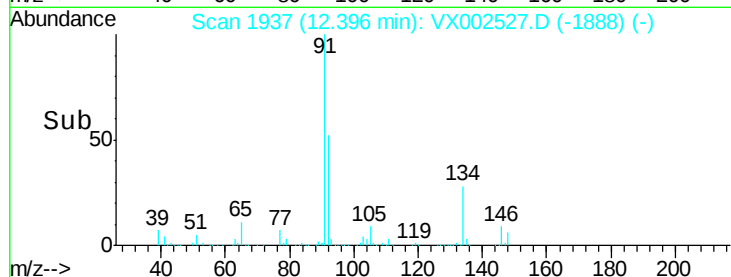
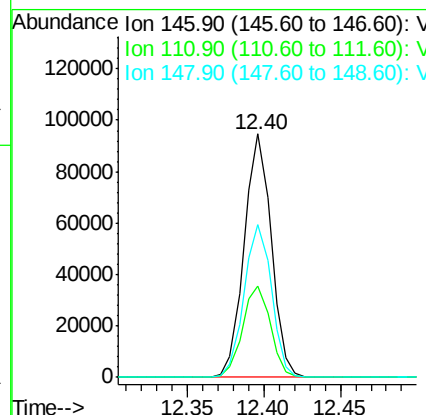
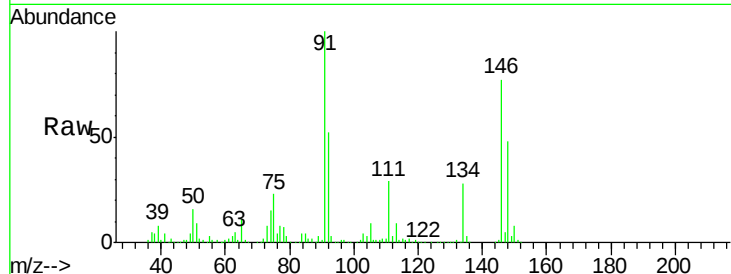
#91
 1,2-Dichlorobenzene
 Concen: 19.642 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX002527.D
 Acq: 14 Jun 2018 00:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0613MBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.4	58.1
148	63.4	31.7	95.1

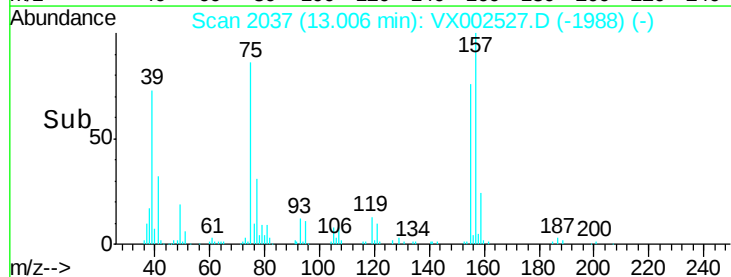
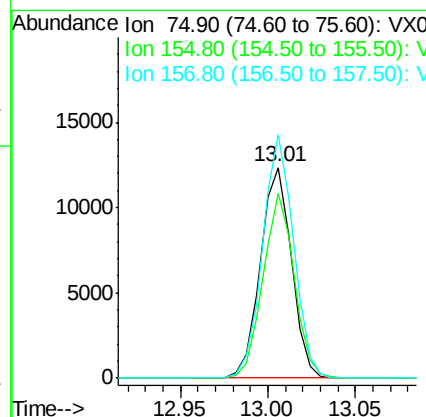
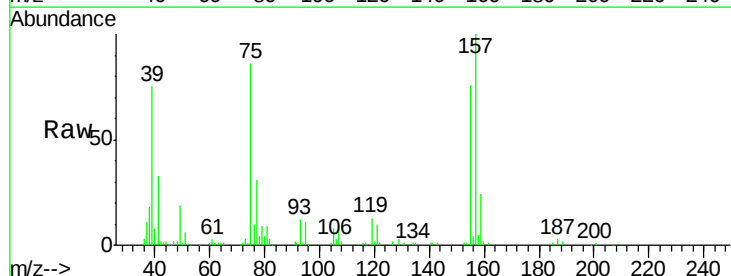
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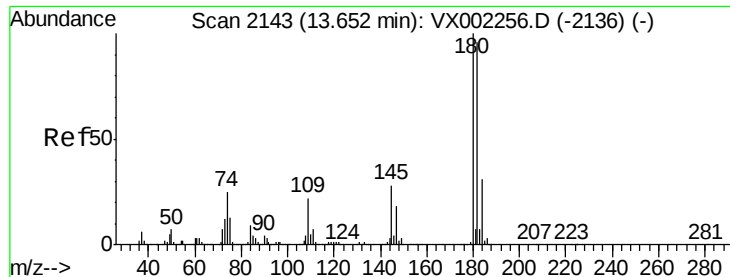
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.473 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX002527.D
 Acq: 14 Jun 2018 00:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.4	45.8	137.4
157	114.8	60.1	180.3





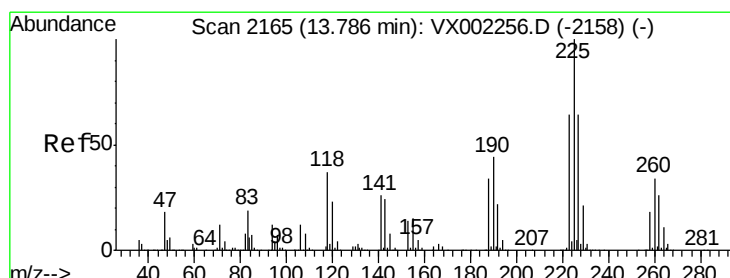
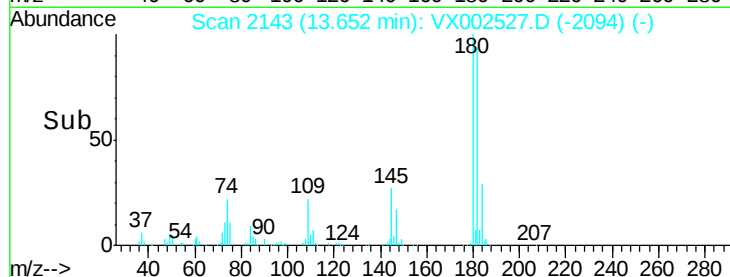
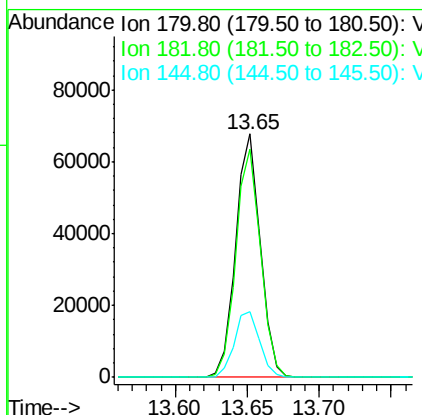
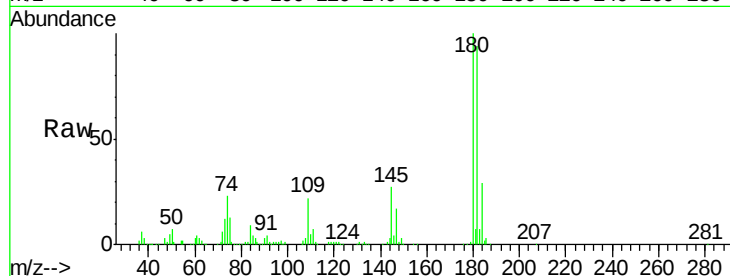
#93
 1,2,4-Trichlorobenzene
 Concen: 19.521 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX002527.D
 Acq: 14 Jun 2018 00:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0613MBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	80919		
182	94.3		47.7	143.1
145	28.0		14.1	42.4

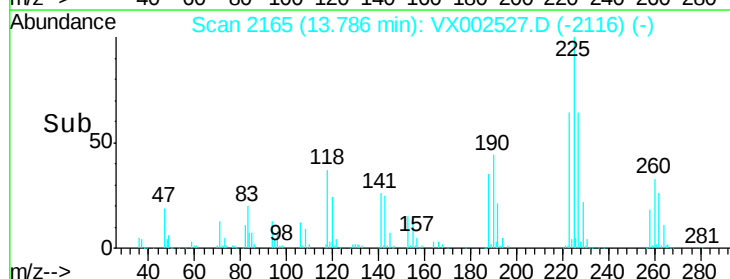
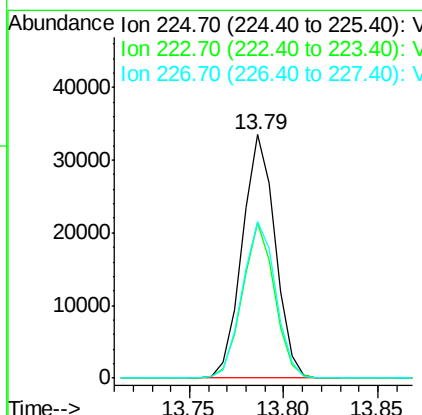
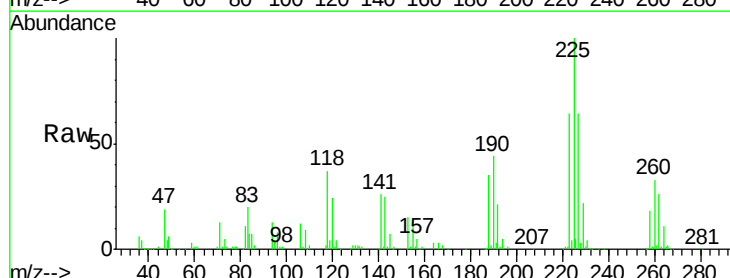
Manual Integrations
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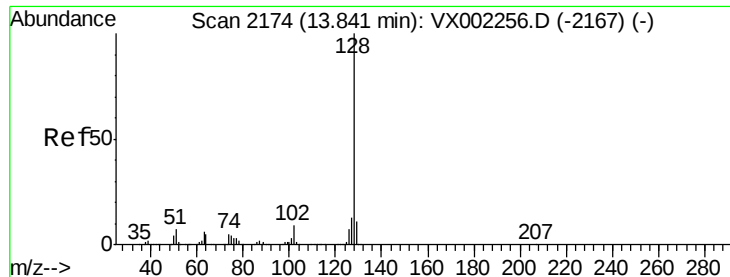
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#94
 Hexachlorobutadiene
 Concen: 19.839 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX002527.D
 Acq: 14 Jun 2018 00:28

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	40636		
223	62.1		31.6	95.0
227	65.2		32.4	97.2





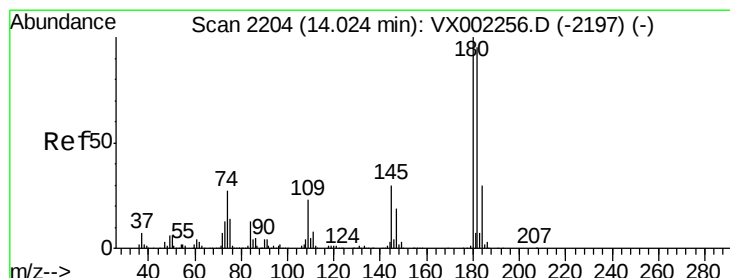
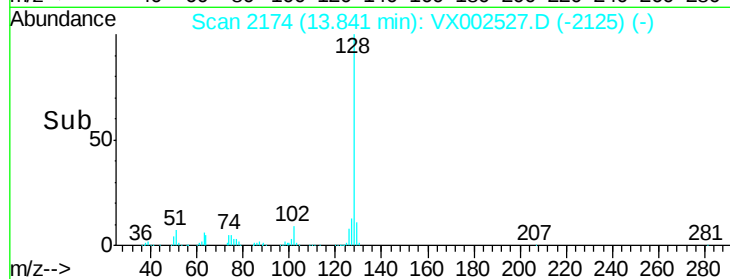
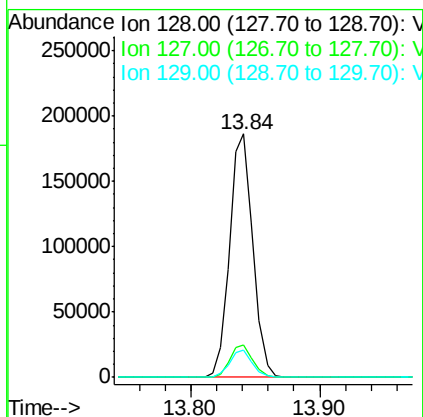
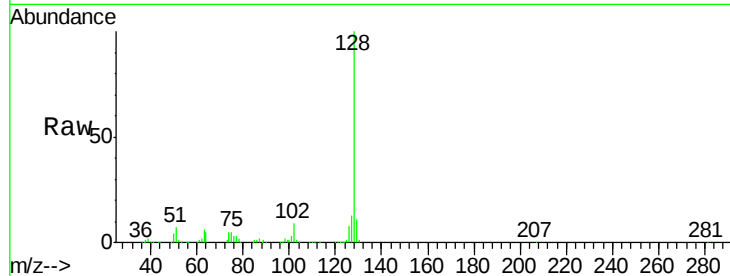
#95
Naphthalene
Concen: 19.753 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX002527.D
Acq: 14 Jun 2018 00:28

Instrument :
MSVOA_X
ClientSampleId :
VX0613MBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
6/14/2018 11:29:27 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.094 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VX002527.D
Acq: 14 Jun 2018 00:28

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	48.0	144.0
145	29.5	14.8	44.3

