

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051719\
 Data File : VX009667.D
 Acq On : 17 May 2019 17:21
 Operator : JC/SP
 Sample : VX0517WBS03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0517WBS03

Manual Integrations
 APPROVED

MMDadoda
 5/20/2019 11:12:10 AM

Quant Time: May 18 05:41:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	173826	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	278790	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	251321	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	124308	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	118022	49.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.48%	
35) Dibromofluoromethane	5.50	113	86811	49.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.06%	
50) Toluene-d8	8.71	98	345078	48.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.54%	
62) 4-Bromofluorobenzene	11.13	95	128809	50.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	24982	15.596	ug/l	100
3) Chloromethane	1.32	50	39376	18.005	ug/l	97
4) Vinyl Chloride	1.41	62	38205	17.915	ug/l	99
5) Bromomethane	1.64	94	24337	19.014	ug/l	98
6) Chloroethane	1.71	64	25550	18.661	ug/l	98
7) Trichlorofluoromethane	1.92	101	49337	19.033	ug/l	99
8) Diethyl Ether	2.19	74	23427	19.079	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.38	101	29850	18.337	ug/l	98
10) Methyl Iodide	2.51	142	33468	20.663	ug/l	98
11) Tert butyl alcohol	3.05	59	57485	104.656	ug/l	100
12) 1,1-Dichloroethene	2.37	96	29458	18.061	ug/l	95
13) Acrolein	2.29	56	47227	94.940	ug/l	98
14) Allyl chloride	2.73	41	72948	18.353	ug/l	98
15) Acrylonitrile	3.14	53	137861	102.650	ug/l	100
16) Acetone	2.45	43	137745	108.106	ug/l	97
17) Carbon Disulfide	2.57	76	74480	16.265	ug/l	100
18) Methyl Acetate	2.78	43	60976	20.123	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	123163	19.446	ug/l	97
20) Methylene Chloride	2.85	84	37844	18.344	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	32189	18.198	ug/l	99
22) Diisopropyl ether	3.86	45	149542	19.564	ug/l	95
23) Vinyl Acetate	3.82	43	661806	101.108	ug/l	99
24) 1,1-Dichloroethane	3.70	63	70960	18.818	ug/l	99
25) 2-Butanone	4.68	43	211880	107.009	ug/l	99
26) 2,2-Dichloropropane	4.59	77	53951	19.222	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	39254	18.593	ug/l	99
28) Bromochloromethane	5.02	49	36448	22.504	ug/l	97
29) Tetrahydrofuran	5.13	42	135910	106.668	ug/l	98
30) Chloroform	5.21	83	66975	19.638	ug/l	97
31) Cyclohexane	5.57	56	64316	18.333	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	54235	19.103	ug/l	99
36) 1,1-Dichloropropene	5.80	75	47138	18.194	ug/l	99
37) Ethyl Acetate	4.84	43	74878	20.743	ug/l	99
38) Carbon Tetrachloride	5.79	117	43935	18.664	ug/l	99

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MMDadoda
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Quant Time: May 18 05:41:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	58072	18.251	ug/l	97
40) Benzene	6.14	78	150410	18.759	ug/l	98
41) Methacrylonitrile	5.04	41	42928	19.978	ug/l	98
42) 1,2-Dichloroethane	6.20	62	56818	19.754	ug/l	100
43) Isopropyl Acetate	6.45	43	117730	20.389	ug/l	100
44) Trichloroethene	7.21	130	34864	17.986	ug/l	94
45) 1,2-Dichloropropane	7.51	63	44204	19.470	ug/l	99
46) Dibromomethane	7.66	93	24838	18.839	ug/l	98
47) Bromodichloromethane	7.90	83	50740	19.293	ug/l	96
48) Methyl methacrylate	7.77	41	59306	20.703	ug/l	97
49) 1,4-Dioxane	7.74	88	22552	388.193	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	404118	107.078	ug/l	99
52) Toluene	8.79	92	93239	19.130	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	56932	19.174	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	63101	19.200	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	38777	19.501	ug/l	95
56) Ethyl methacrylate	9.18	69	70382	19.829	ug/l	97
57) 1,3-Dichloropropane	9.37	76	68245	19.503	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	155909	82.798	ug/l	99
59) 2-Hexanone	9.49	43	317082	106.974	ug/l	98
60) Dibromochloromethane	9.58	129	37392	19.253	ug/l	100
61) 1,2-Dibromoethane	9.67	107	38920	19.390	ug/l	99
64) Tetrachloroethene	9.34	164	33107	19.204	ug/l	95
65) Chlorobenzene	10.14	112	97045	19.303	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	35648	19.558	ug/l	99
67) Ethyl Benzene	10.25	91	179231	19.371	ug/l	99
68) m/p-Xylenes	10.36	106	131193	38.801	ug/l	98
69) o-Xylene	10.69	106	64832	19.434	ug/l	99
70) Styrene	10.71	104	113098	19.505	ug/l	99
71) Bromoform	10.85	173	28045	18.934	ug/l #	98
73) Isopropylbenzene	11.02	105	173415	19.184	ug/l	100
74) N-amyl acetate	10.90	43	104992	19.922	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	66830	19.832	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	57665m	19.998	ug/l	
77) Bromobenzene	11.26	156	42840	19.094	ug/l	99
78) n-propylbenzene	11.36	91	198240	19.203	ug/l	99
79) 2-Chlorotoluene	11.42	91	121465	19.071	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	146592	19.260	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	20882	18.529	ug/l	92
82) 4-Chlorotoluene	11.51	91	136081	18.912	ug/l	100
83) tert-Butylbenzene	11.77	119	141017	19.045	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	147770	19.342	ug/l	100
85) sec-Butylbenzene	11.94	105	169192	19.274	ug/l	100
86) p-Isopropyltoluene	12.06	119	152821	19.365	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	76166	19.043	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	75387	18.695	ug/l	98
89) n-Butylbenzene	12.38	91	137214	19.237	ug/l	99
90) Hexachloroethane	12.60	117	24499	18.222	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	77957	19.136	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	14748	19.509	ug/l	99

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VX0517WBS03

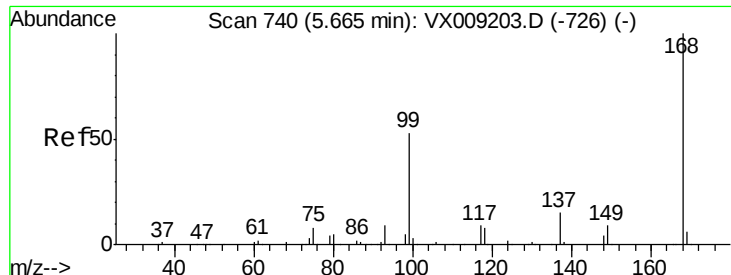
Manual Integrations
APPROVED

MMDadoda
5/20/2019 11:12:10 AM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	54812	19.675	ug/l	98
94) Hexachlorobutadiene	13.78	225	27749	19.505	ug/l	97
95) Naphthalene	13.83	128	175178	19.328	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	55104	19.513	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX009667.D

Acq: 17 May 2019 17:21

Instrument :

MSVOA_X

ClientSampleId :

VX0517WBS03

Tot Ion:168 Resp: 173826

Ion Ratio Lower Upper

168 100

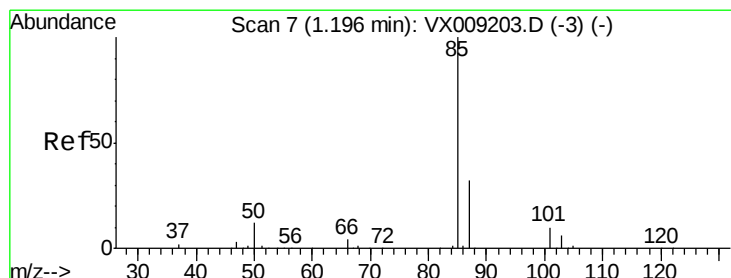
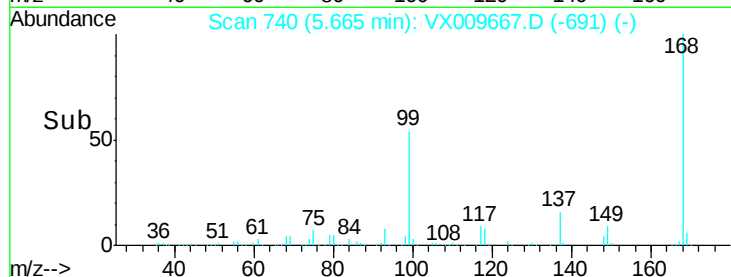
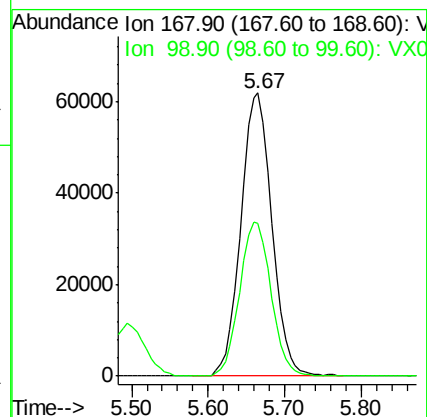
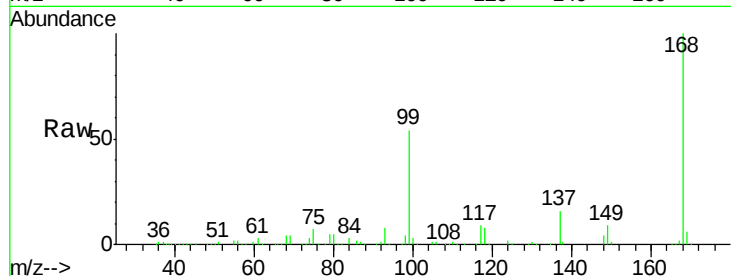
99 54.0 42.3 63.5

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 15.596 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX009667.D

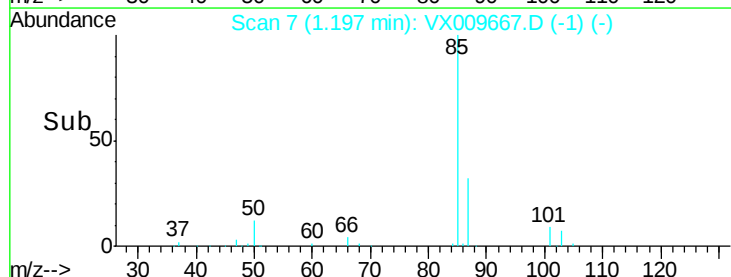
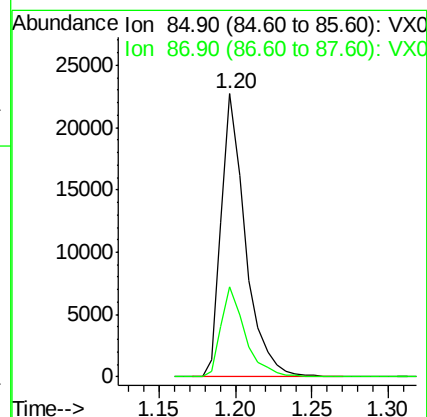
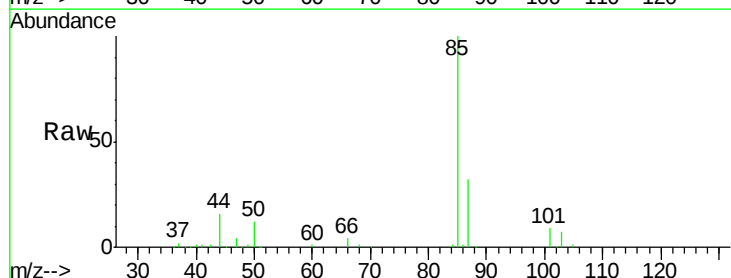
Acq: 17 May 2019 17:21

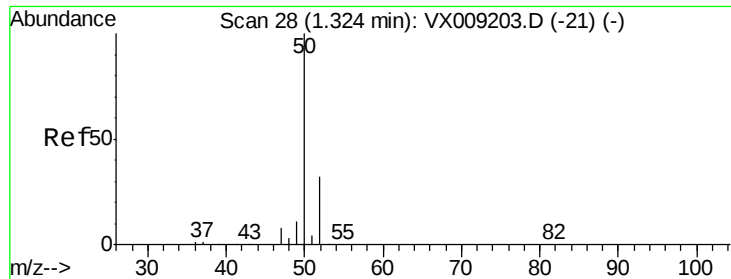
Tgt Ion: 85 Resp: 24982

Ion Ratio Lower Upper

85 100

87 32.0 16.1 48.3





#3

Chloromethane

Concen: 18.005 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009667.D

Acq: 17 May 2019 17:21

Instrument :

MSVOA_X

ClientSampleId :

VX0517WBS03

Tot Ion: 50 Resp: 39376

Ion Ratio Lower Upper

50 100

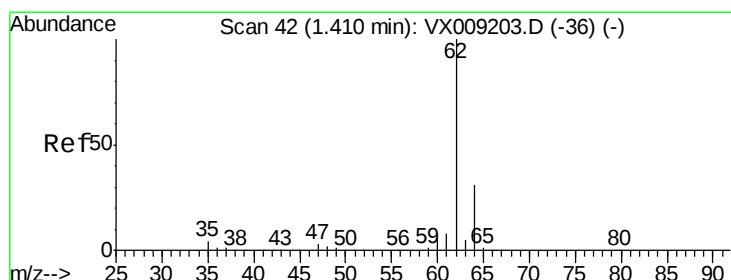
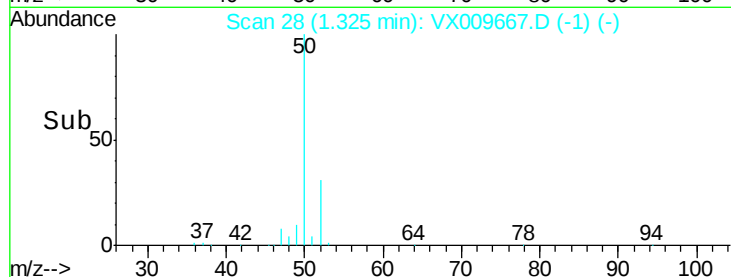
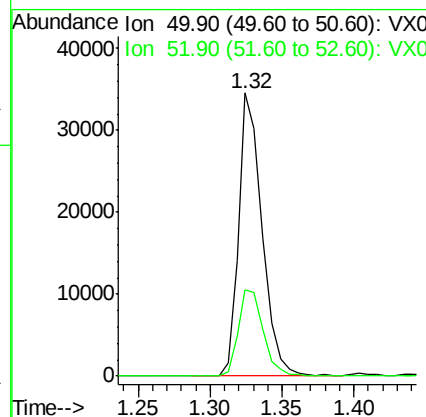
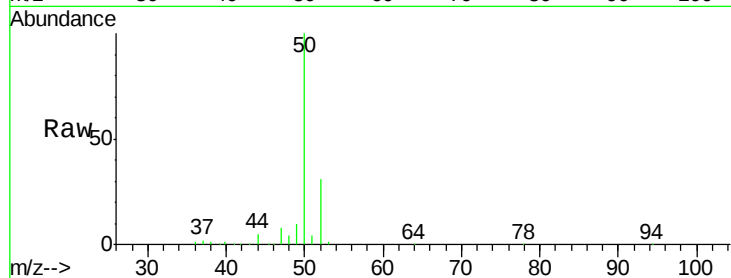
52 30.6 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 17.915 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX009667.D

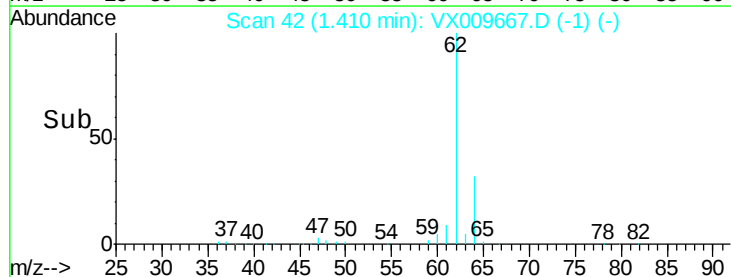
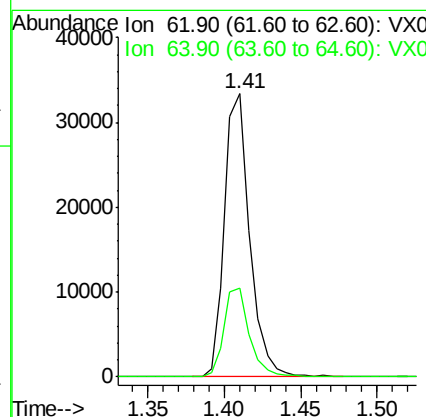
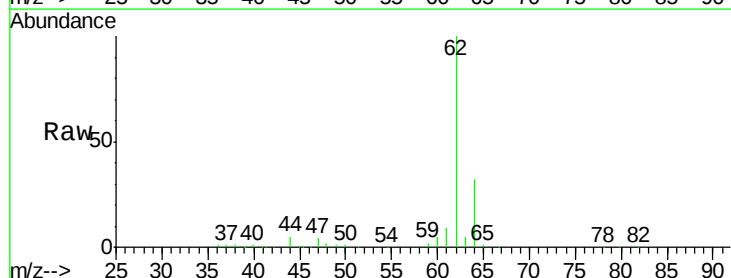
Acq: 17 May 2019 17:21

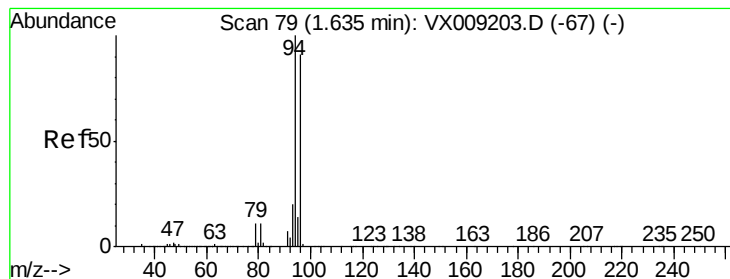
Tgt Ion: 62 Resp: 38205

Ion Ratio Lower Upper

62 100

64 31.4 24.6 36.8





#5

Bromomethane

Concen: 19.014 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009667.D

Acq: 17 May 2019 17:21

Instrument :

MSVOA_X

ClientSampleId :

VX0517WBS03

Tot Ion: 94 Resp: 24337

Ion Ratio Lower Upper

94 100

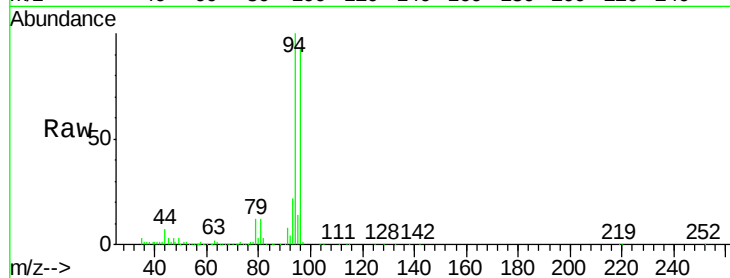
96 92.7 73.0 109.6

Manual Integrations

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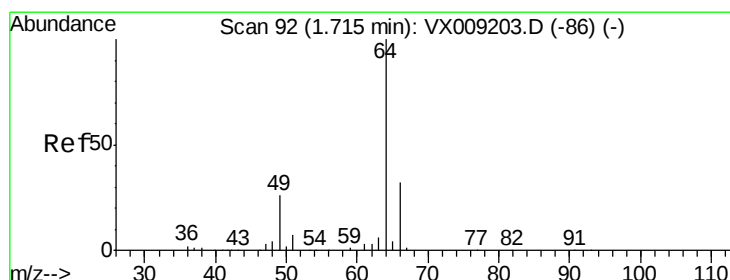
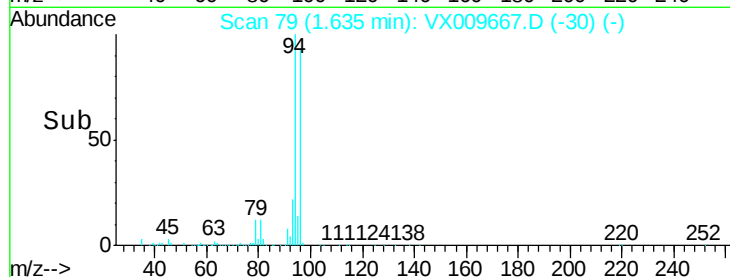
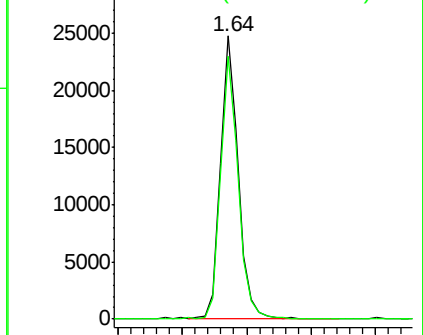
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 18.661 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX009667.D

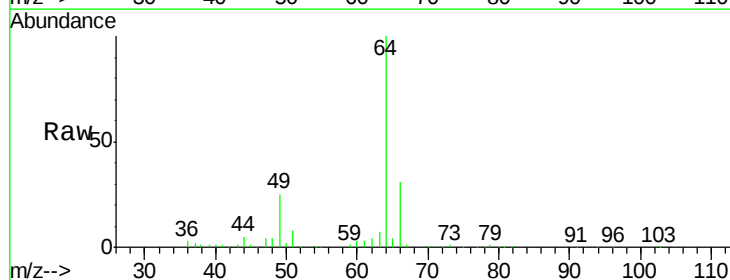
Acq: 17 May 2019 17:21

Tgt Ion: 64 Resp: 25550

Ion Ratio Lower Upper

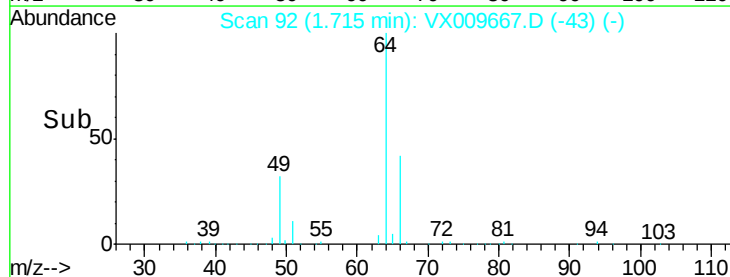
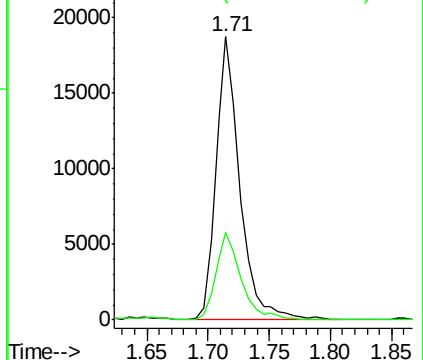
64 100

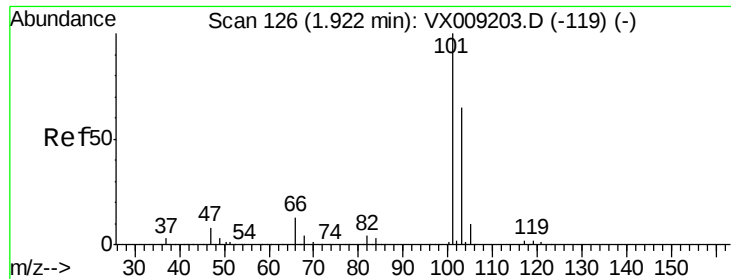
66 30.5 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

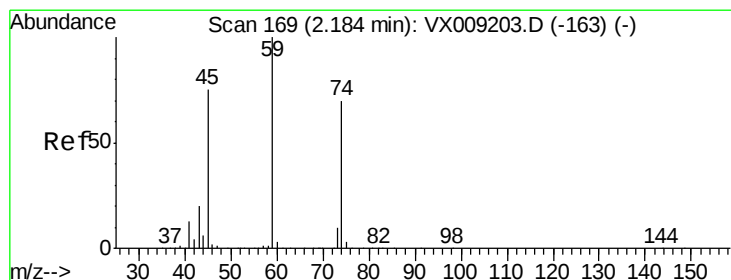
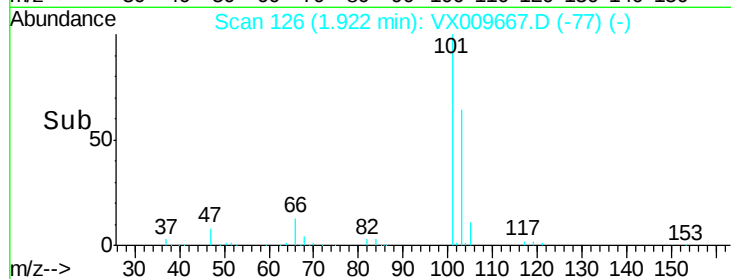
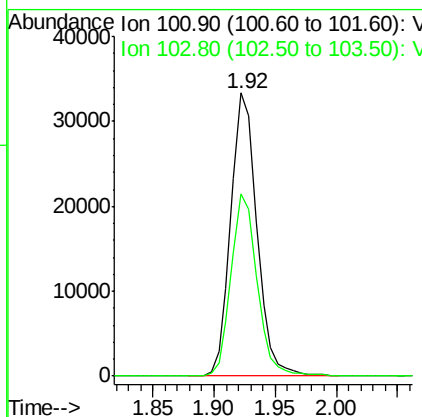
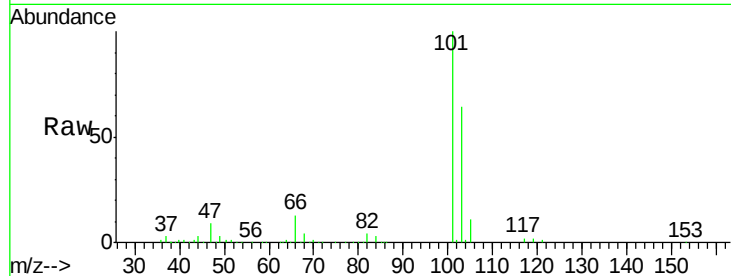
Trichlorofluoromethane
Concen: 19.033 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX009667.D
Acq: 17 May 2019 17:21

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ClientSampleId :
VX0517WBS03

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	52.4	78.6

Manual Integrations
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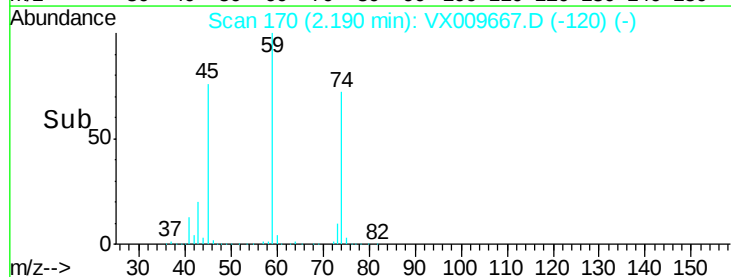
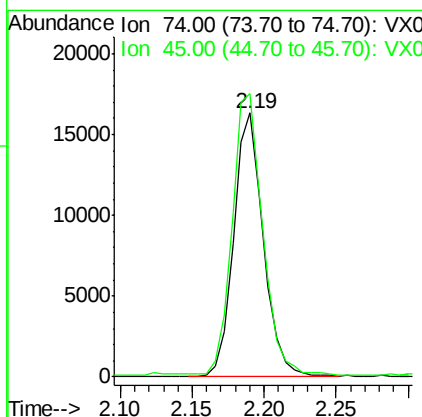
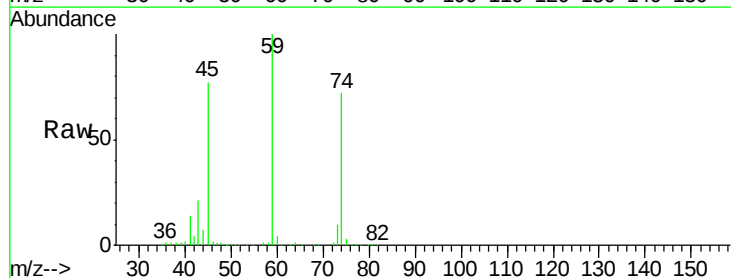
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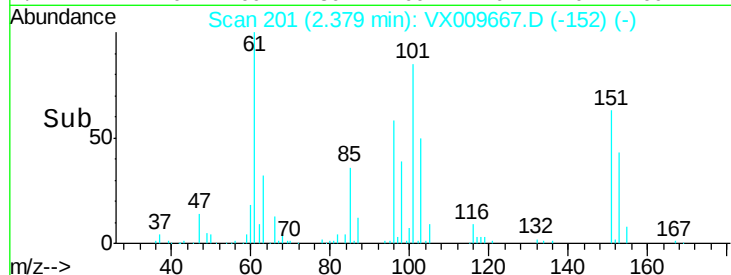
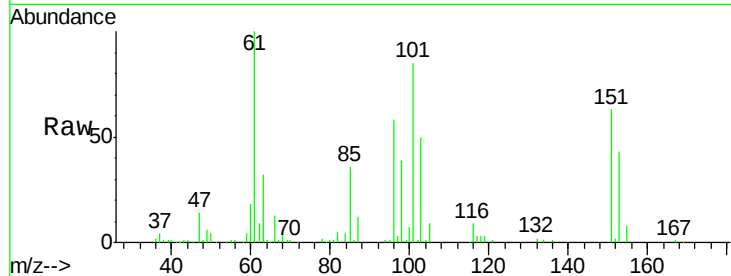


#8

Diethyl Ether
Concen: 19.079 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX009667.D
Acq: 17 May 2019 17:21

Tgt Ion	Ratio	Lower	Upper
74	100		
45	110.3	53.3	159.9





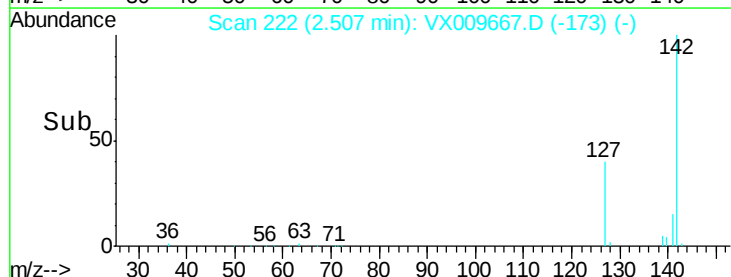
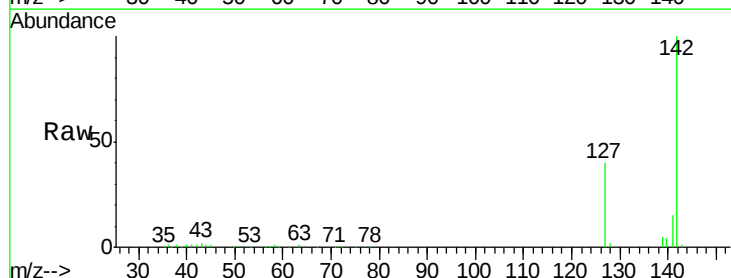
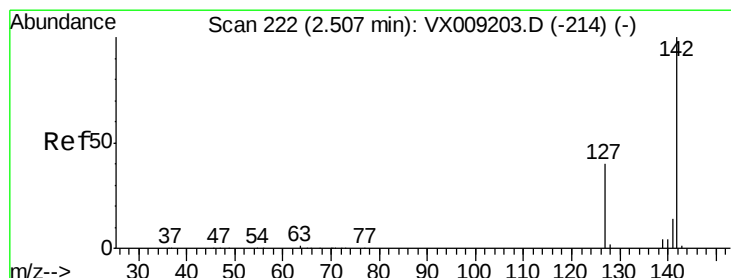
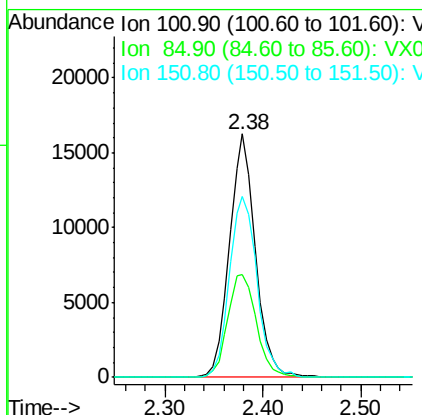
#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.337 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.00 min
Lab File: VX009667.D
Acq: 17 May 2019 17:21

Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS03

Tot Ion	Ratio	Resp	Lower	Upper
101	100	29850		
85	46.8	35.7	53.5	
151	79.4	62.2	93.2	

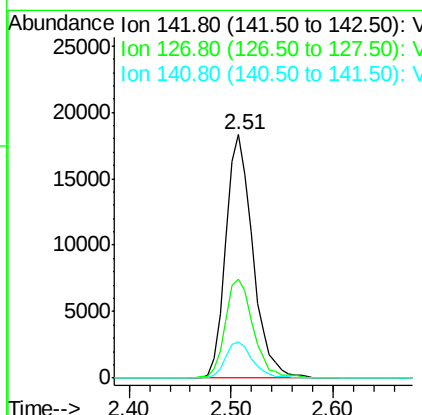
Manual Integrations
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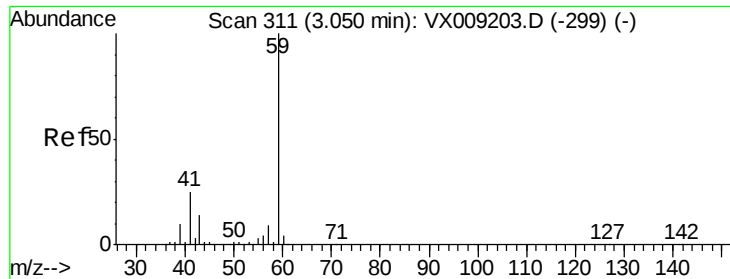
MMDadoda
5/20/2019 11:12:10 AM



#10
Methyl Iodide
Concen: 20.663 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.00 min
Lab File: VX009667.D
Acq: 17 May 2019 17:21

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	33468		
127	42.1	32.7	49.1	
141	15.1	11.5	17.3	





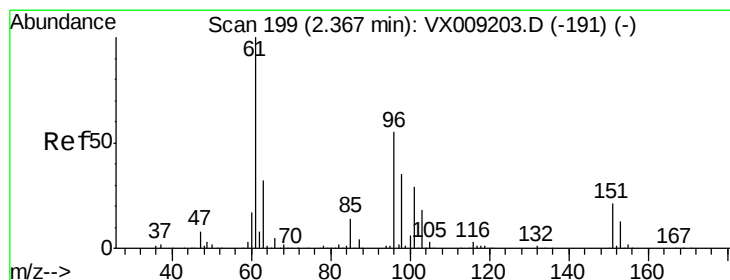
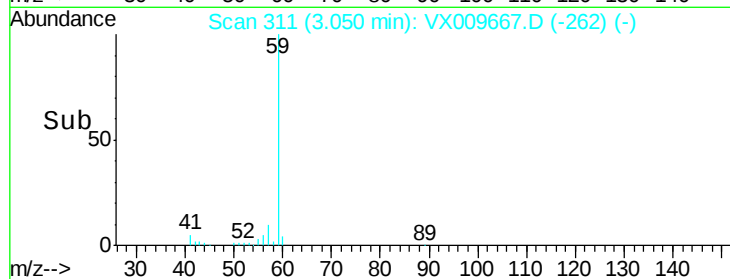
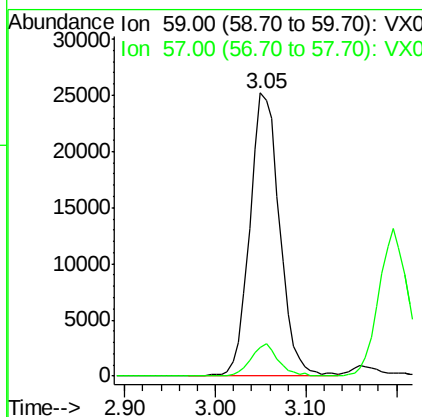
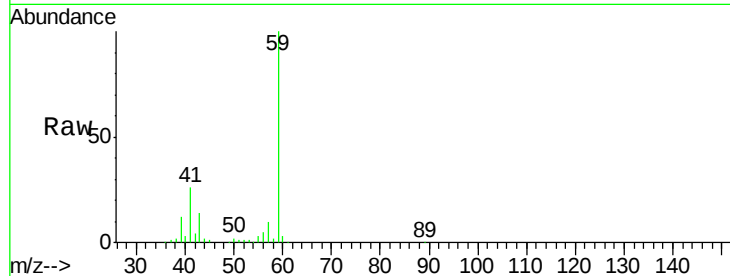
#11
Tert butyl alcohol
Concen: 104.656 ug/l
RT: 3.05 min Scan# 311
Delta R.T. 0.00 min
Lab File: VX009667.D
Acq: 17 May 2019 17:21

Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS03

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.2	12.2

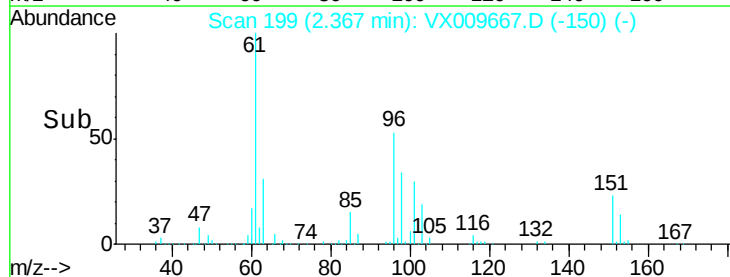
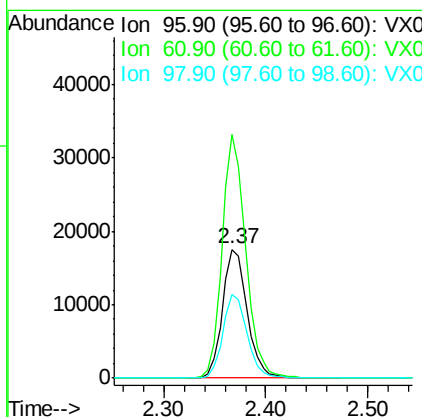
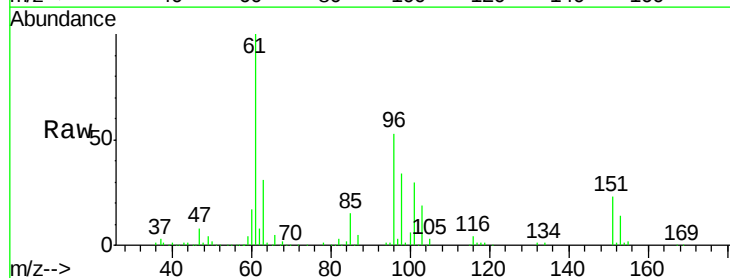
Manual Integrations
APPROVED

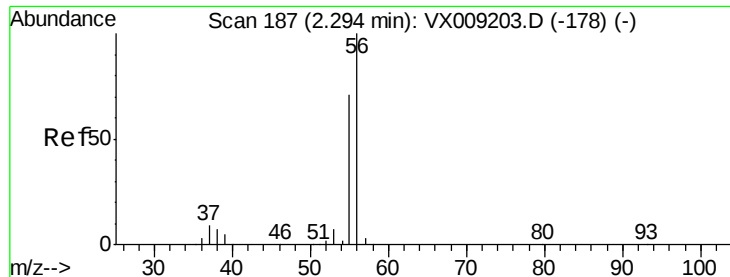
MMDadoda
5/20/2019 11:12:10 AM



#12
1,1-Dichloroethene
Concen: 18.061 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.00 min
Lab File: VX009667.D
Acq: 17 May 2019 17:21

Tgt Ion	Ratio	Lower	Upper
96	100		
61	189.3	144.3	216.5
98	64.6	50.3	75.5





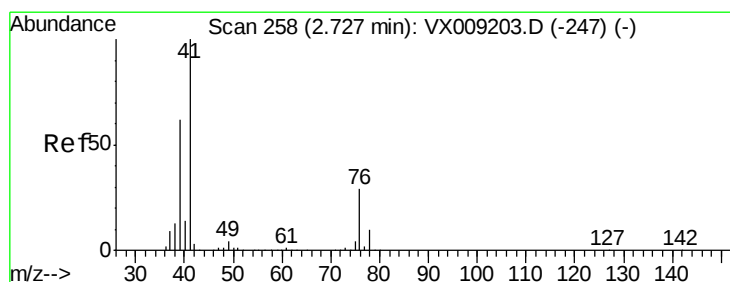
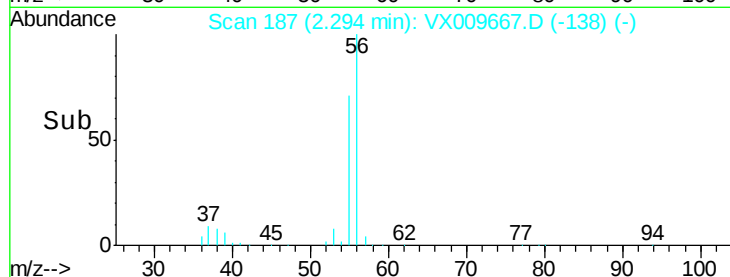
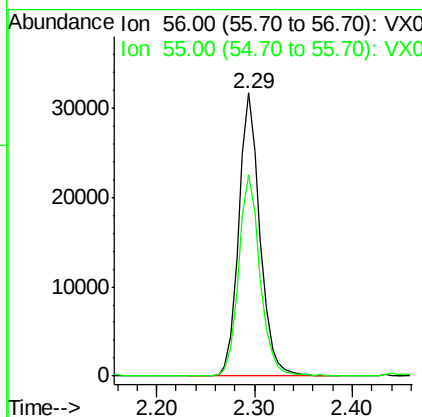
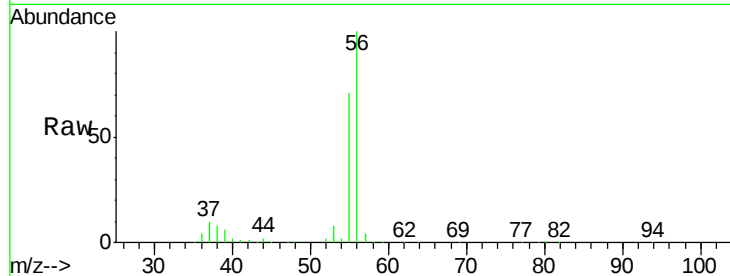
#13
Acrolein
Concen: 94.940 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX009667.D
Acq: 17 May 2019 17:21

Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS03

Tot Ion	56	55	Ratio	Lower	Upper
47227	100	72.8		56.6	85.0

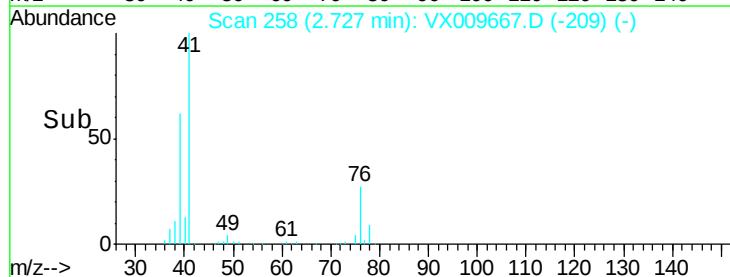
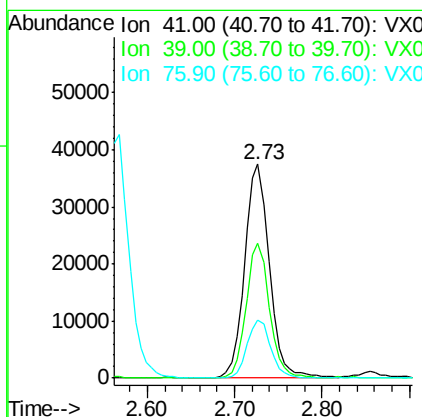
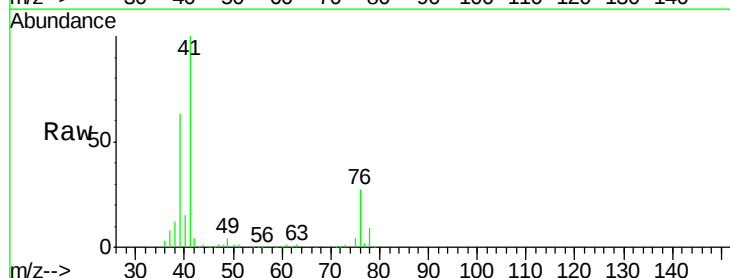
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#14
Allyl chloride
Concen: 18.353 ug/l
RT: 2.73 min Scan# 258
Delta R.T. 0.00 min
Lab File: VX009667.D
Acq: 17 May 2019 17:21

Tgt Ion	41	39	76	Ratio	Lower	Upper
72948	100	60.1	26.1		46.7	70.1
					21.8	32.8





#15

Acrylonitrile

Concen: 102.650 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX009667.D

Acq: 17 May 2019 17:21

Instrument :

MSVOA_X

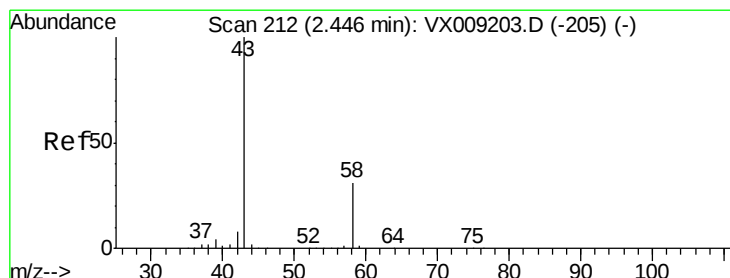
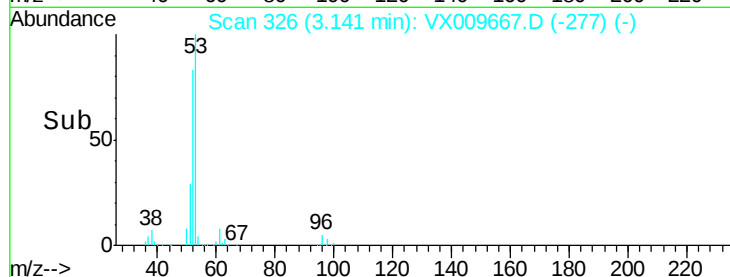
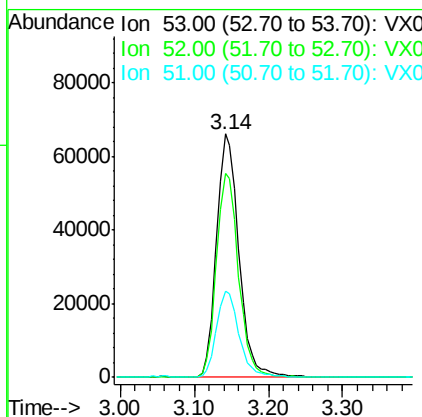
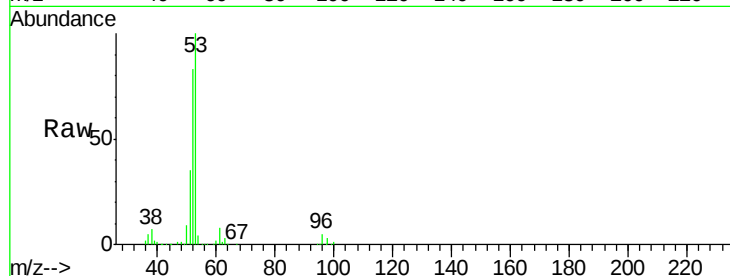
ClientSampleId :

VX0517WBS03

Tot Ion:	53	Resp:	137861
Ion	Ratio	Lower	Upper
53	100		
52	83.4	66.9	100.3
51	35.7	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 108.106 ug/l

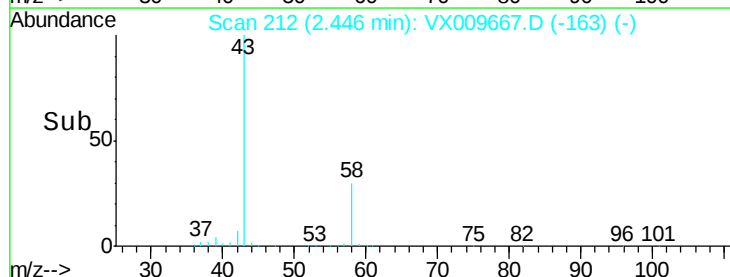
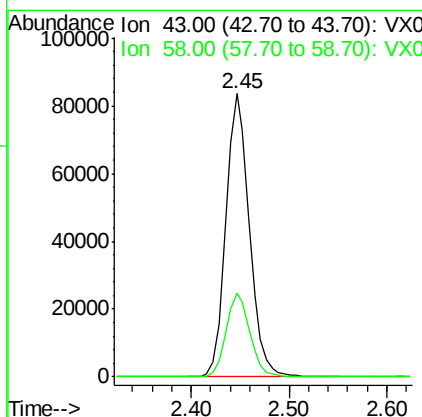
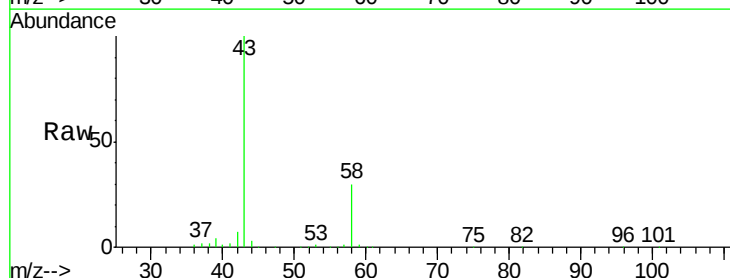
RT: 2.45 min Scan# 212

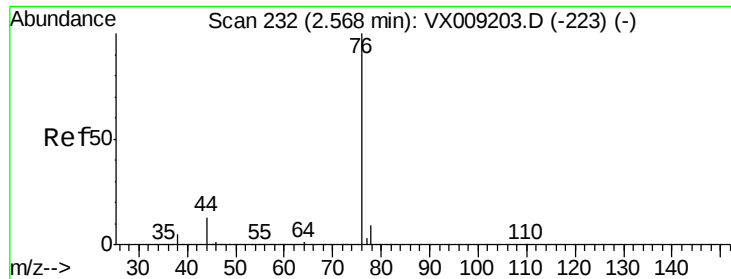
Delta R.T. 0.00 min

Lab File: VX009667.D

Acq: 17 May 2019 17:21

Tgt Ion:	43	Resp:	137745
Ion	Ratio	Lower	Upper
43	100		
58	29.7	24.9	37.3





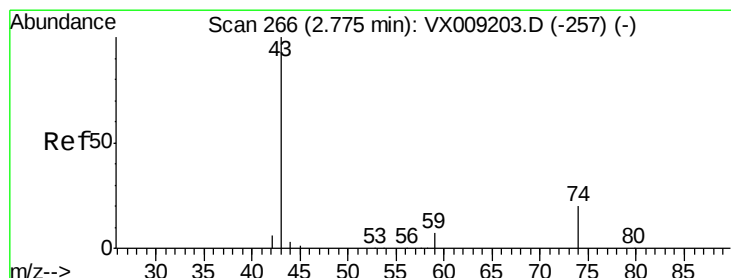
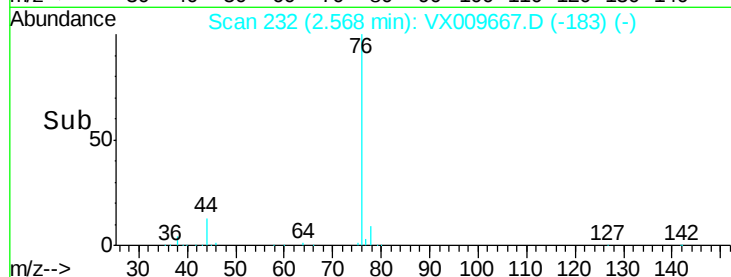
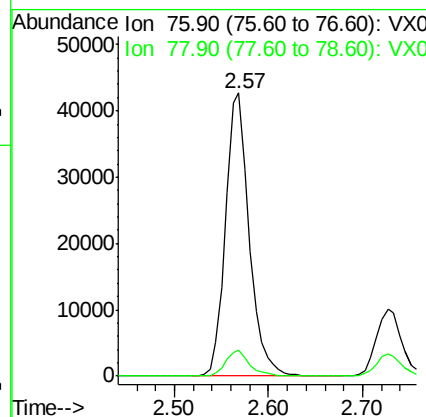
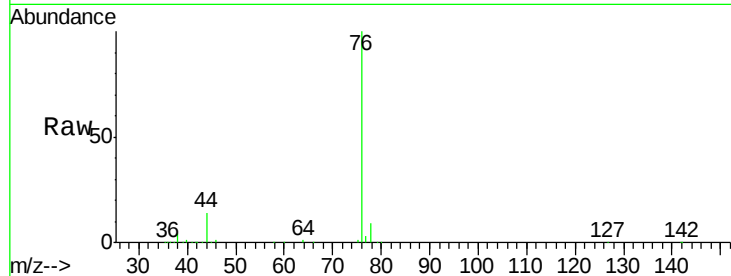
#17
Carbon Disulfide
Concen: 16.265 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX009667.D
Acq: 17 May 2019 17:21

Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS03

Tot Ion: 76 Resp: 74480
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.0

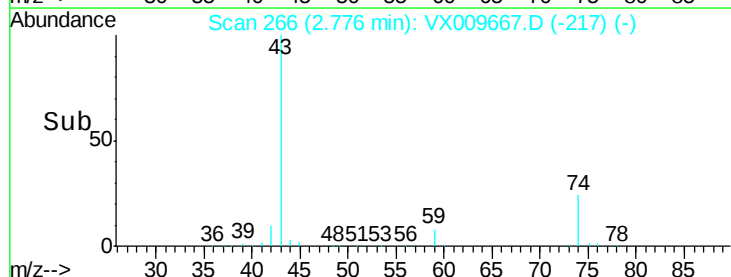
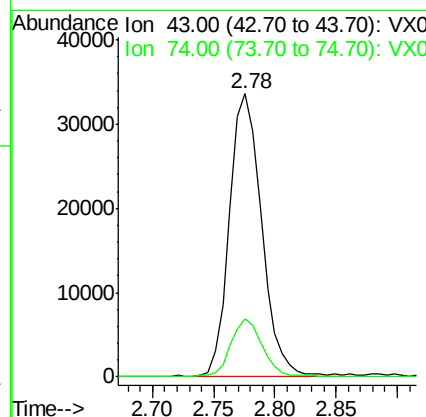
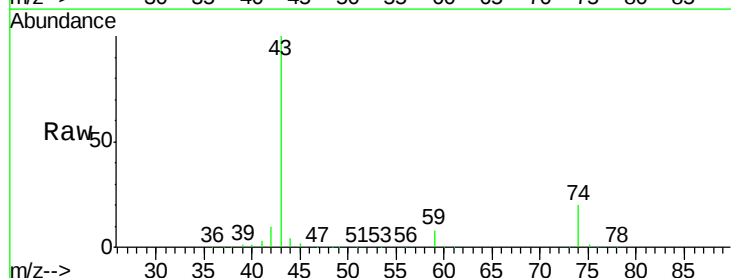
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#18
Methyl Acetate
Concen: 20.123 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX009667.D
Acq: 17 May 2019 17:21

Tgt Ion: 43 Resp: 60976
Ion Ratio Lower Upper
43 100
74 20.6 16.2 24.4





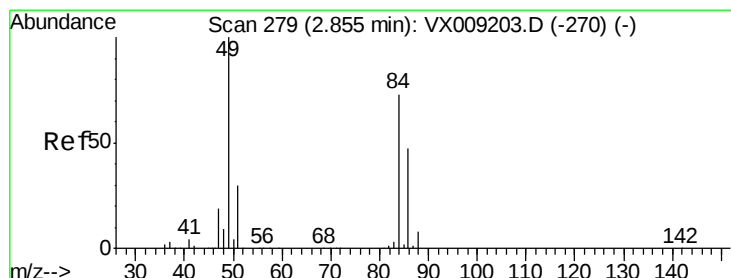
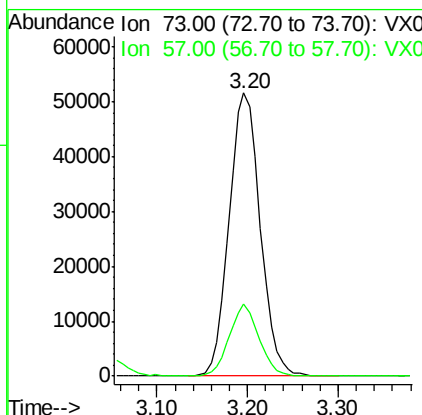
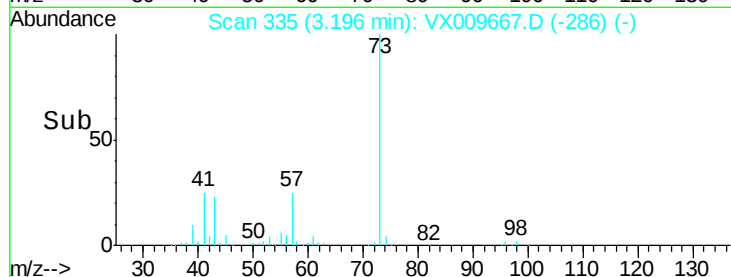
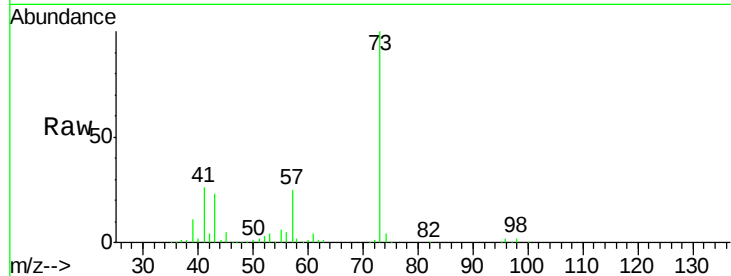
#19
Methvl tert-butvl Ether
Concen: 19.446 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX009667.D
Acq: 17 May 2019 17:21

Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS03

Tot Ion	Ratio	Lower	Upper
73	100		
57	25.4	19.3	28.9

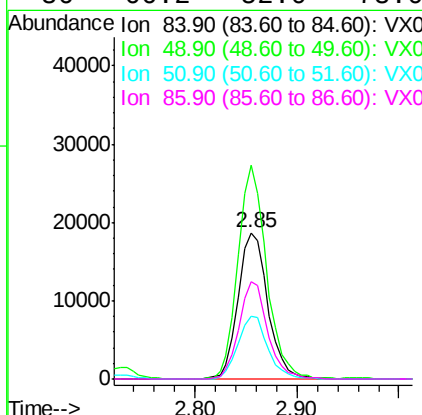
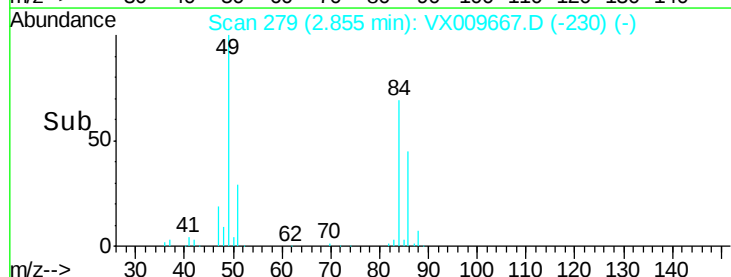
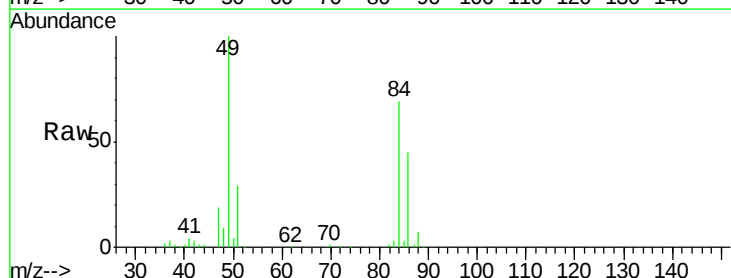
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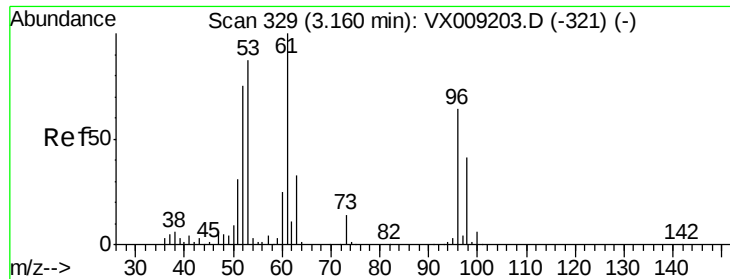
MMDadoda
5/20/2019 11:12:10 AM



#20
Methylene Chloride
Concen: 18.344 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX009667.D
Acq: 17 May 2019 17:21

Tgt Ion	Ratio	Lower	Upper
84	100		
49	145.5	109.9	164.9
51	42.7	32.7	49.1
86	66.2	52.0	78.0





#21

trans-1,2-Dichloroethene

Concen: 18.198 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009667.D

Acq: 17 May 2019 17:21

Instrument :

MSVOA_X

ClientSampleId :

VX0517WBS03

Tot Ion: 96 Resp: 32189

Ion Ratio Lower Upper

96 100

61 154.2 124.5 186.7

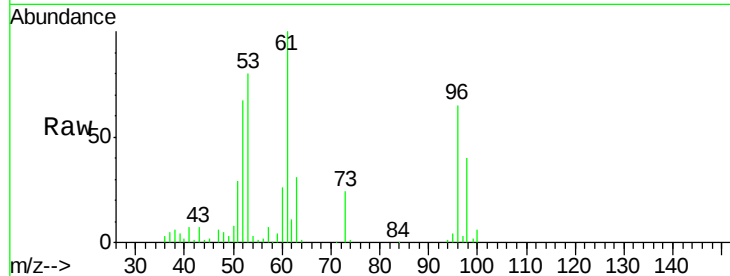
98 61.6 50.4 75.6

Manual Integrations

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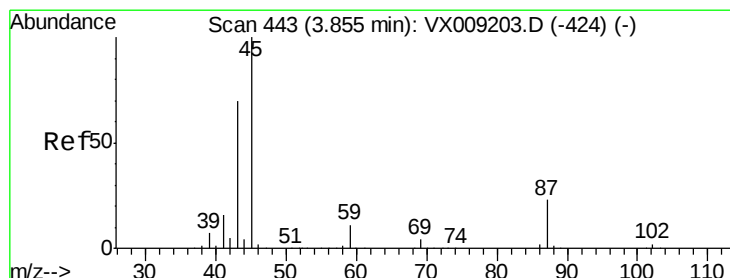
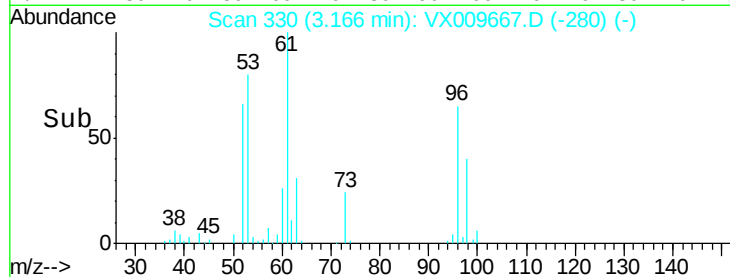
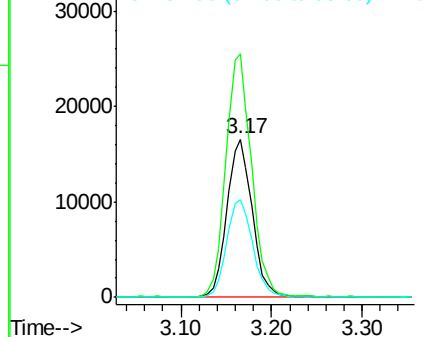
5/20/2019 11:12:10 AM



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 19.564 ug/l

RT: 3.86 min Scan# 444

Delta R.T. 0.01 min

Lab File: VX009667.D

Acq: 17 May 2019 17:21

Tgt Ion: 45 Resp: 149542

Ion Ratio Lower Upper

45 100

43 64.4 56.1 84.1

87 23.0 18.1 27.1

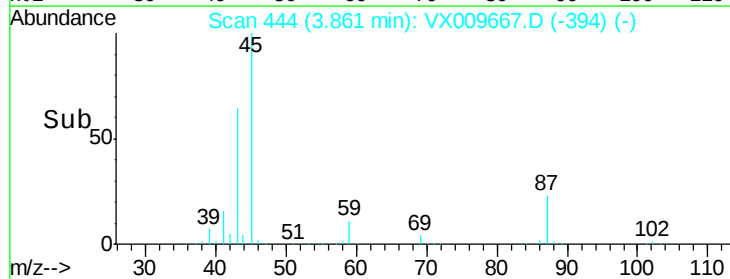
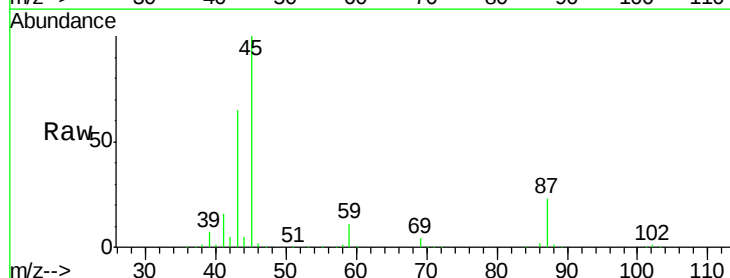
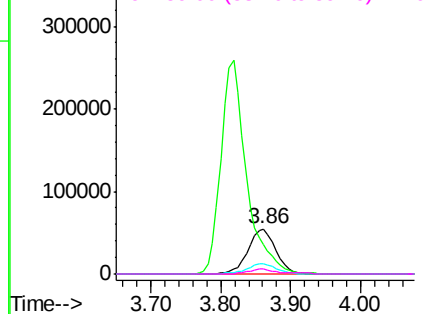
59 10.7 8.5 12.7

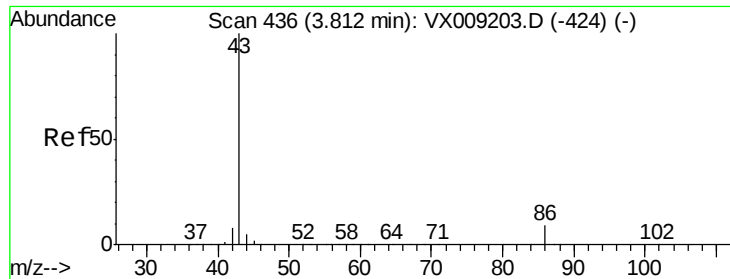
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 101.108 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.01 min

Lab File: VX009667.D

Acq: 17 May 2019 17:21

Instrument :

MSVOA_X

ClientSampleId :

VX0517WBS03

Tot Ion: 43 Resp: 661806

Ion Ratio Lower Upper

43 100

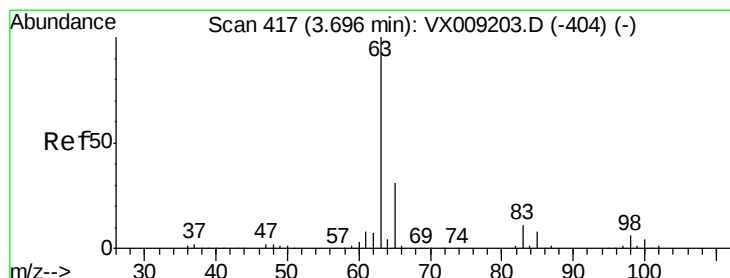
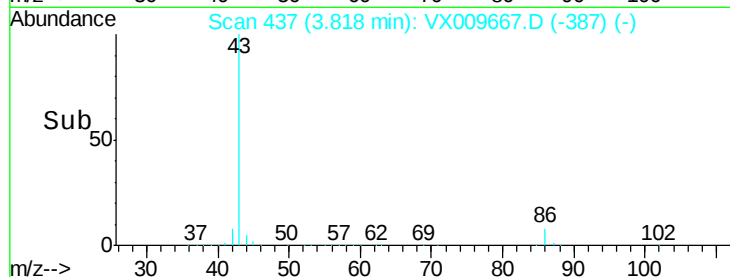
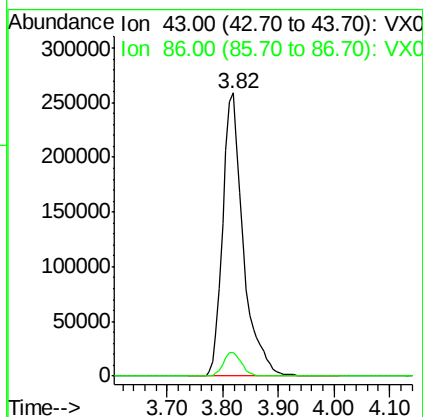
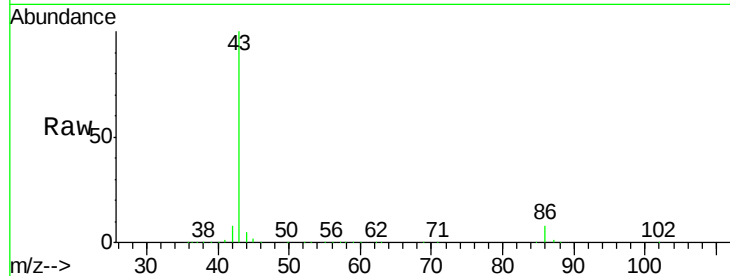
86 8.2 6.9 10.3

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#24

1,1-Dichloroethane

Concen: 18.818 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX009667.D

Acq: 17 May 2019 17:21

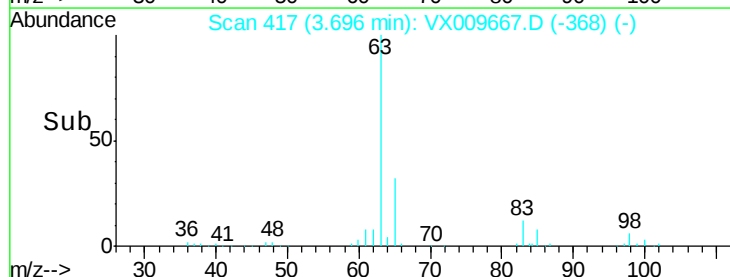
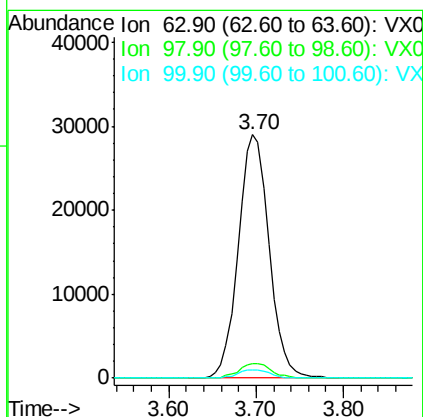
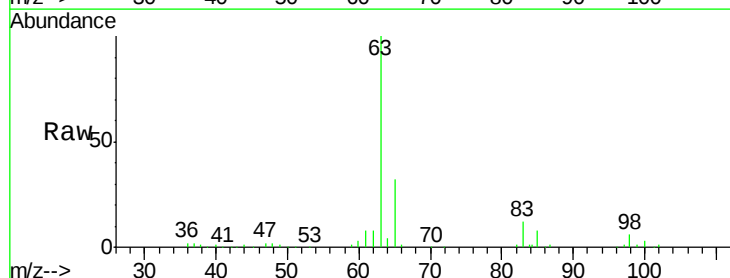
Tgt Ion: 63 Resp: 70960

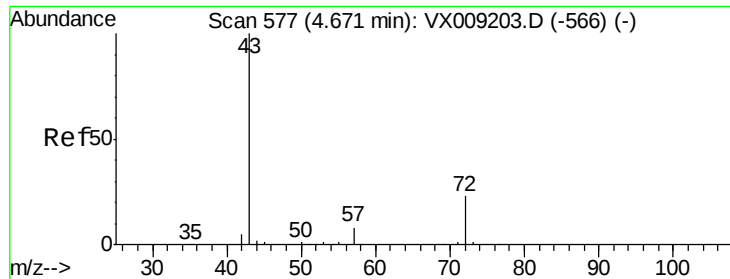
Ion Ratio Lower Upper

63 100

98 5.7 3.0 9.2

100 3.4 2.0 6.0





#25

2-Butanone

Concen: 107.009 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX009667.D

Acq: 17 May 2019 17:21

Instrument :

MSVOA_X

ClientSampleId :

VX0517WBS03

Tot Ion: 43 Resp: 211880

Ion Ratio Lower Upper

43 100

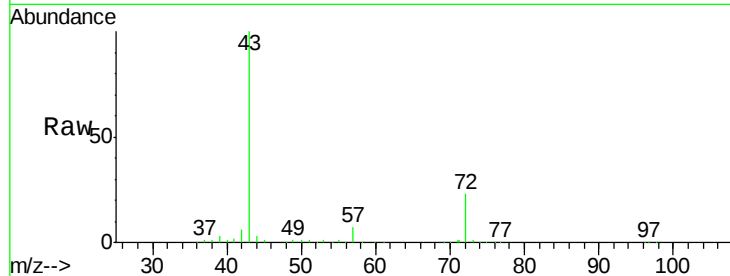
72 23.1 18.2 27.2

Manual Integrations

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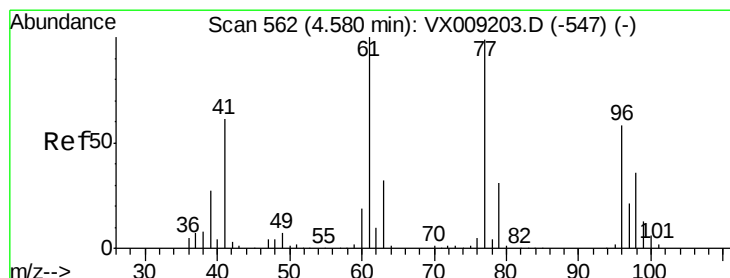
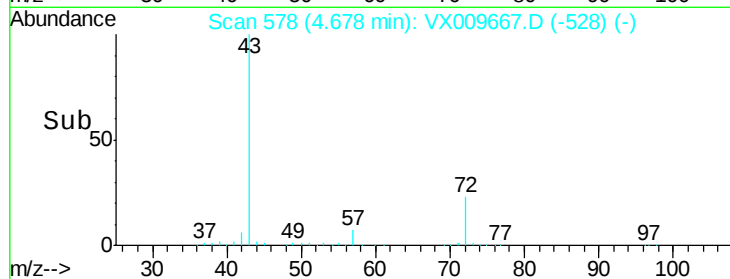
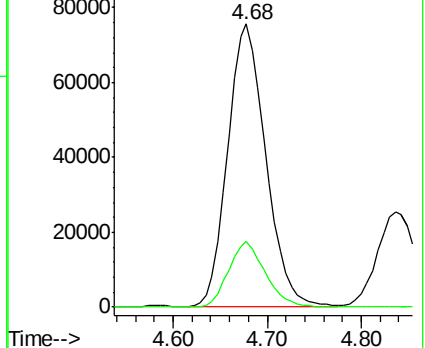
MMDadoda

5/20/2019 11:12:10 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 19.222 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX009667.D

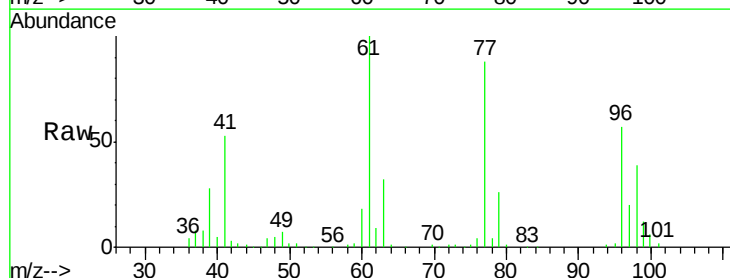
Acq: 17 May 2019 17:21

Tgt Ion: 77 Resp: 53951

Ion Ratio Lower Upper

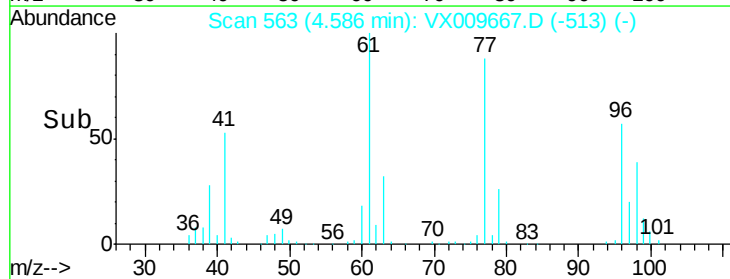
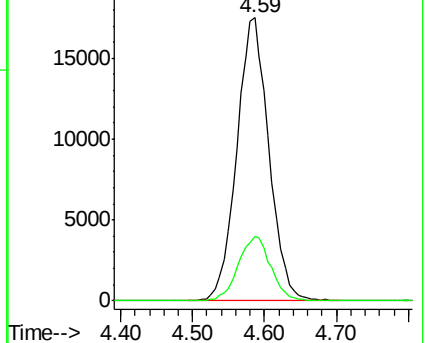
77 100

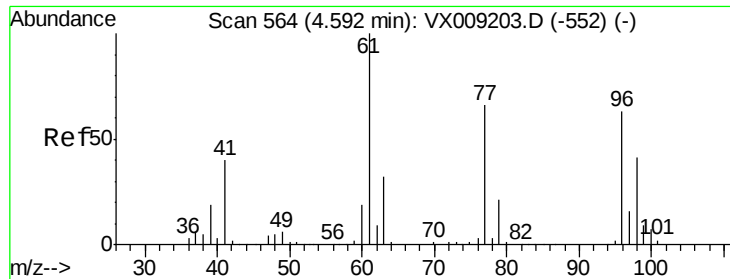
97 23.0 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

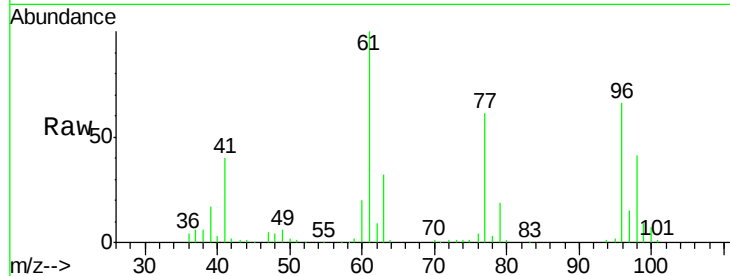
cis-1,2-Dichloroethene
Concen: 18.593 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX009667.D
Acq: 17 May 2019 17:21

Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS03

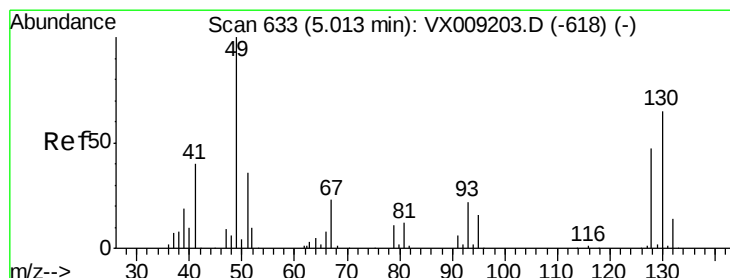
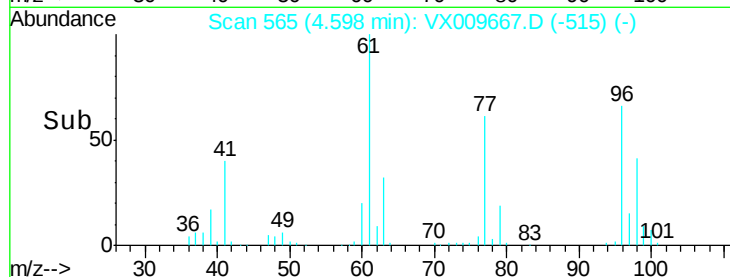
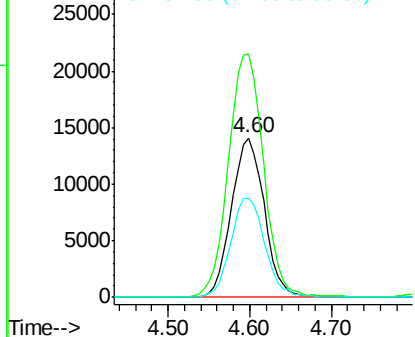
Tot Ion	Ratio	Resp	Lower	Upper
96	100	39254		
61	163.9	0.0	324.0	
98	64.6	0.0	130.4	

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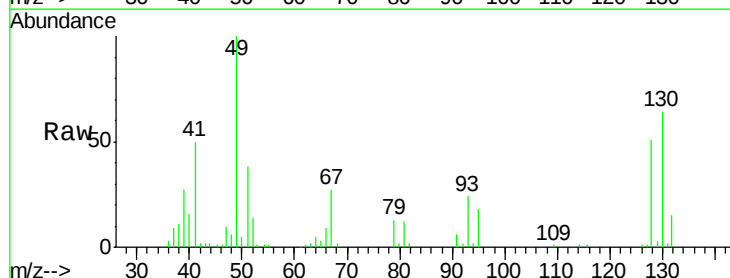
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



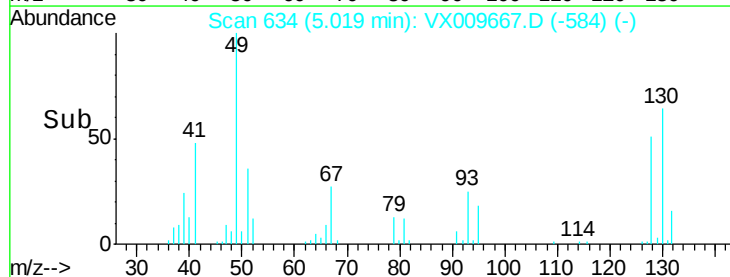
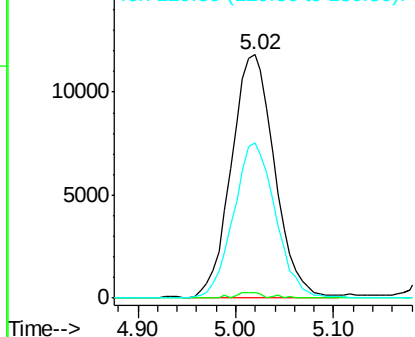
#28

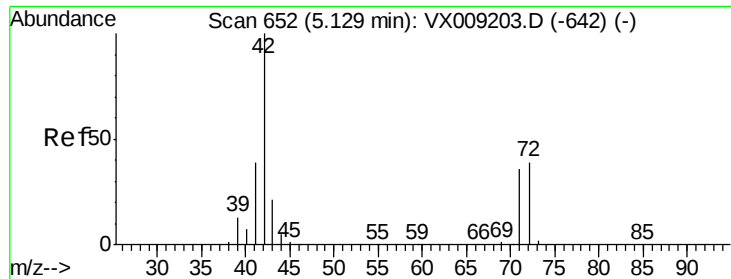
Bromochloromethane
Concen: 22.504 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX009667.D
Acq: 17 May 2019 17:21

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	36448		
129	1.3	0.0	3.8	
130	61.8	51.2	76.8	



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





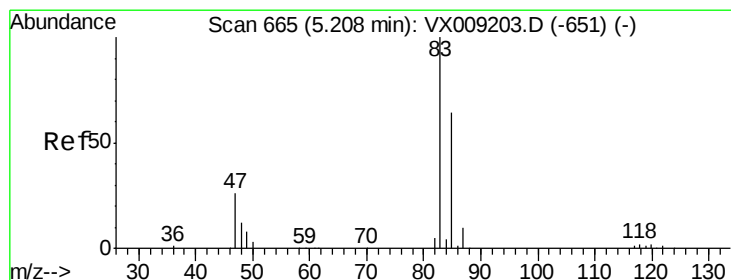
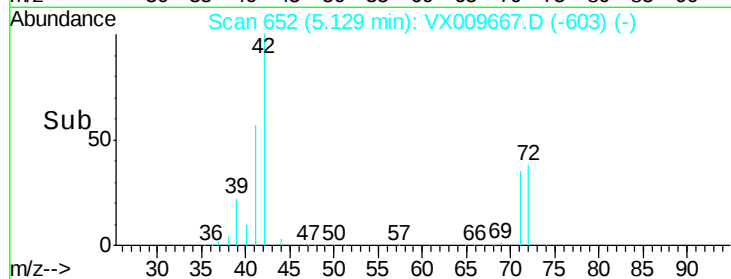
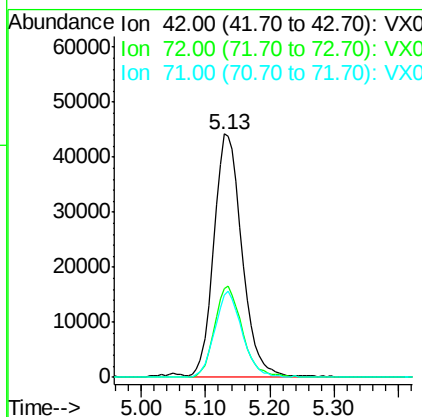
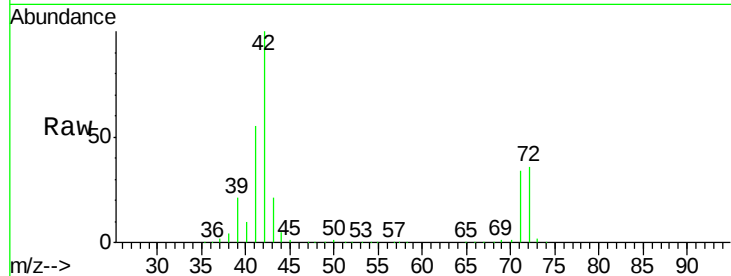
#29
Tetrahydrofuran
Concen: 106.668 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX009667.D
Acq: 17 May 2019 17:21

Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS03

Tot Ion:	42	Resp:	135910
Ion	Ratio	Lower	Upper
42	100		
72	37.1	30.4	45.6
71	34.4	28.6	43.0

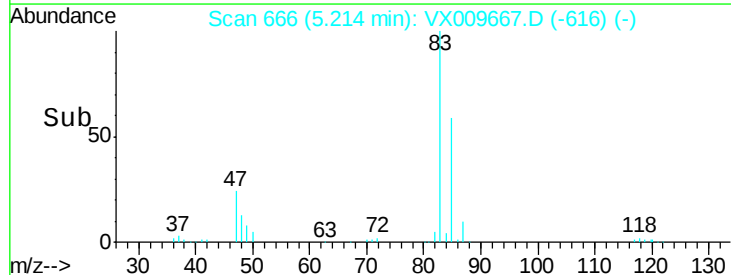
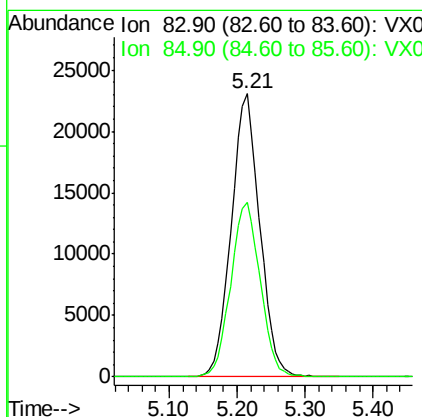
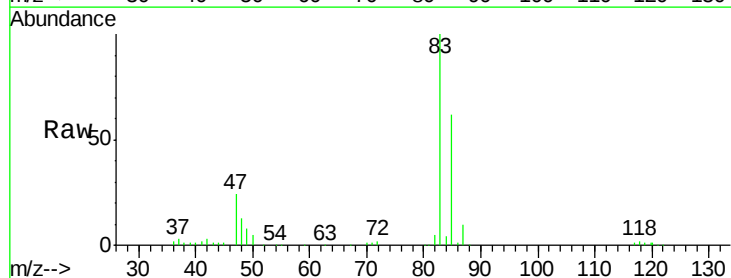
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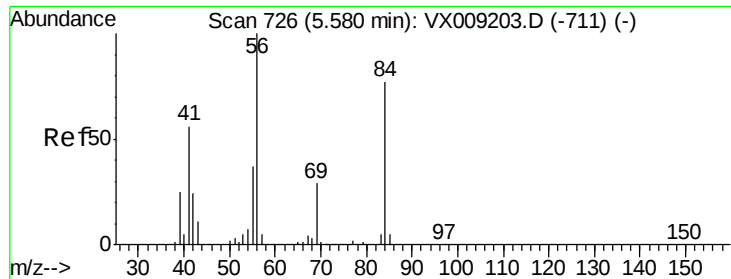
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#30
Chloroform
Concen: 19.638 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX009667.D
Acq: 17 May 2019 17:21

Tgt Ion:	83	Resp:	66975
Ion	Ratio	Lower	Upper
83	100		
85	61.8	51.5	77.3





#31

Cyclohexane

Concen: 18.333 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX009667.D

Acq: 17 May 2019 17:21

Instrument :

MSVOA_X

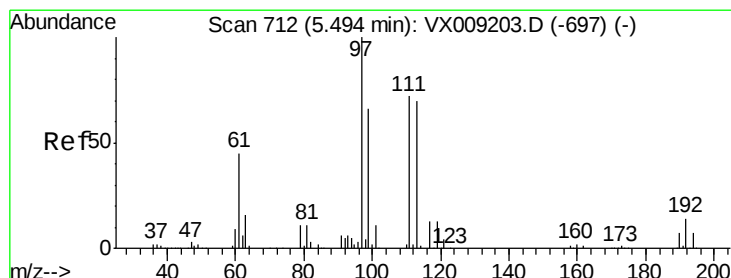
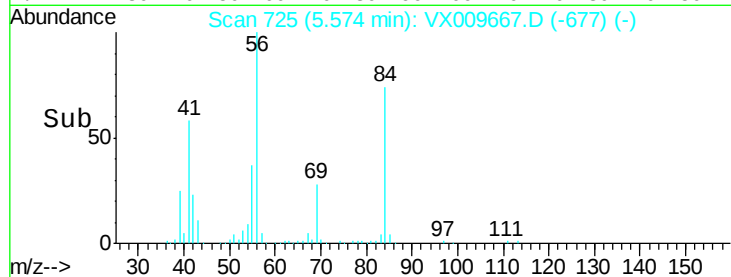
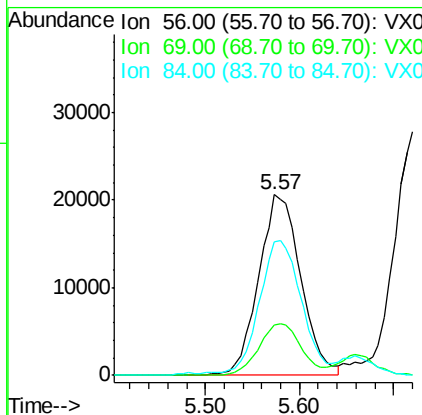
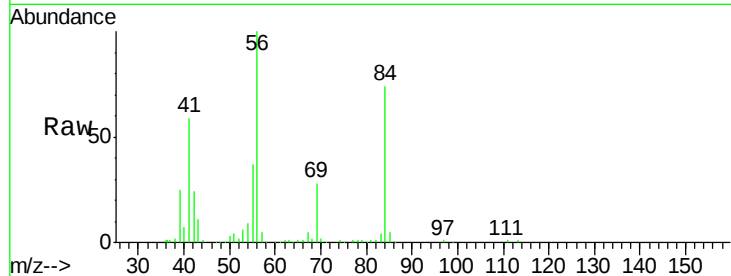
ClientSampleId :

VX0517WBS03

Tot Ion:	56	Resp:	64316
Ion Ratio	Lower	Upper	
56	100		
69	28.0	23.4	35.0
84	72.6	61.9	92.9

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#32

1,1,1-Trichloroethane

Concen: 19.103 ug/l

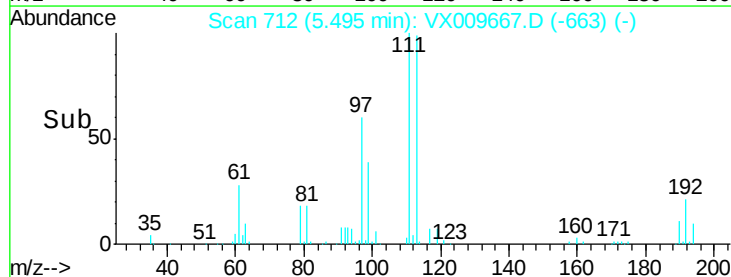
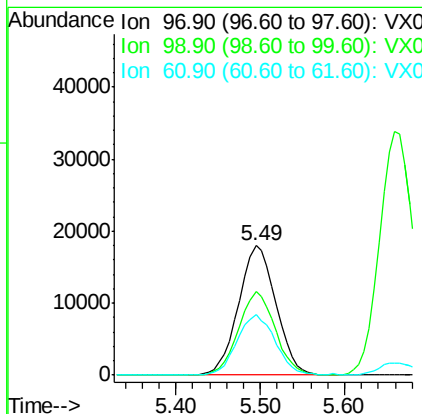
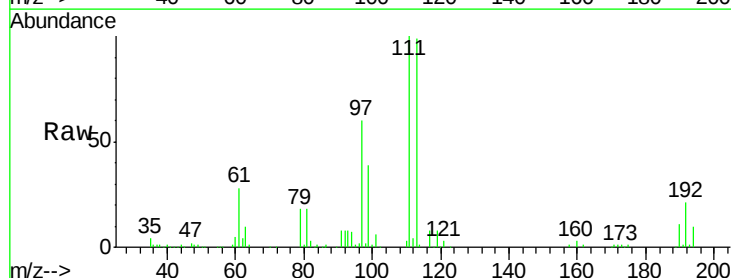
RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX009667.D

Acq: 17 May 2019 17:21

Tgt Ion:	97	Resp:	54235
Ion Ratio	Lower	Upper	
97	100		
99	63.2	51.8	77.8
61	47.7	37.8	56.8





#33

1,2-Dichloroethane-d4

Concen: 49.737 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009667.D

Acq: 17 May 2019 17:21

Tot Ion: 65 Resp: 118022

Ion Ratio Lower Upper

65 100

67 54.2 0.0 106.6

Instrument :

MSVOA_X

ClientSampled :

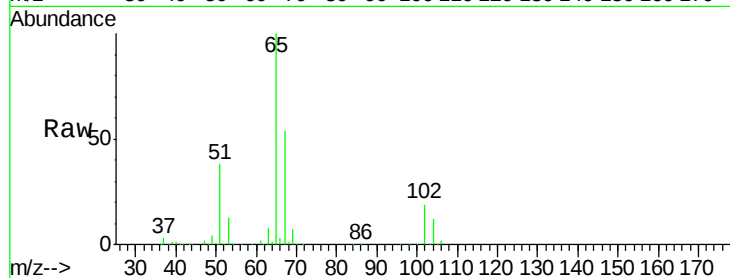
VX0517WBS03

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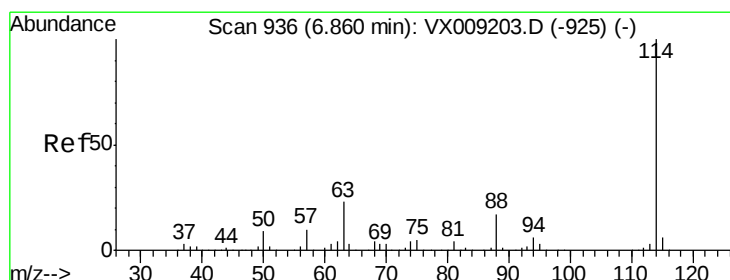
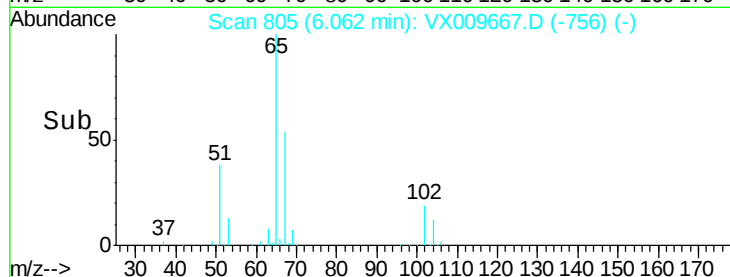
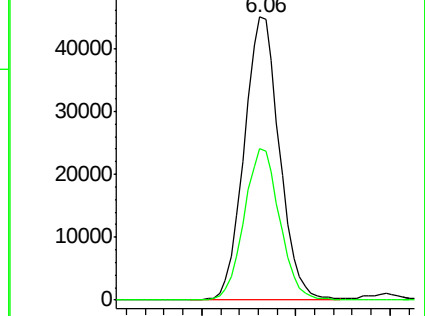
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX009667.D

Acq: 17 May 2019 17:21

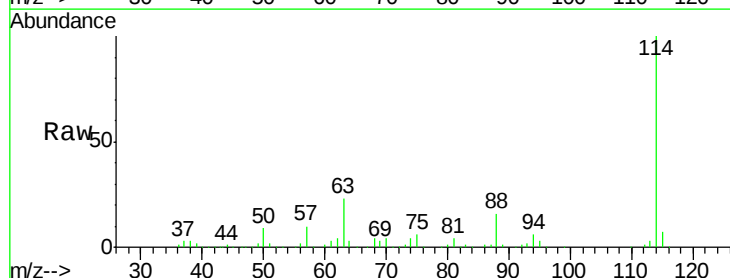
Tgt Ion:114 Resp: 278790

Ion Ratio Lower Upper

114 100

63 22.9 0.0 45.6

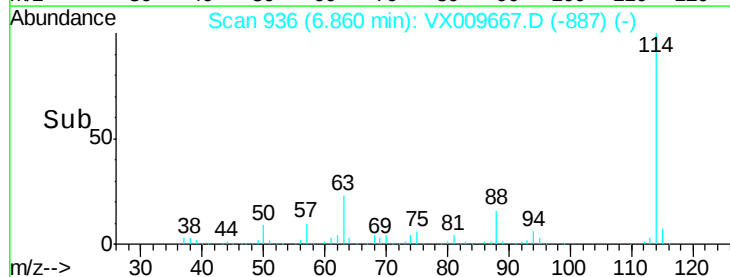
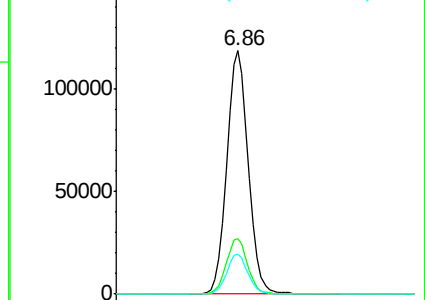
88 16.4 0.0 33.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.533 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009667.D

Acq: 17 May 2019 17:21

Instrument :

MSVOA_X

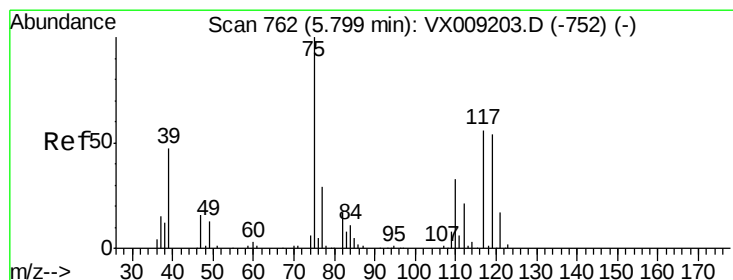
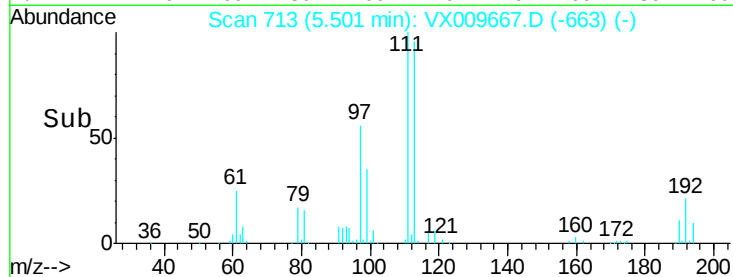
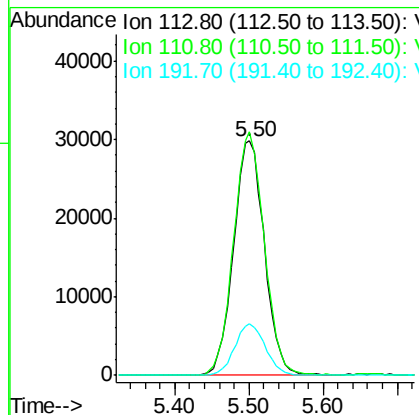
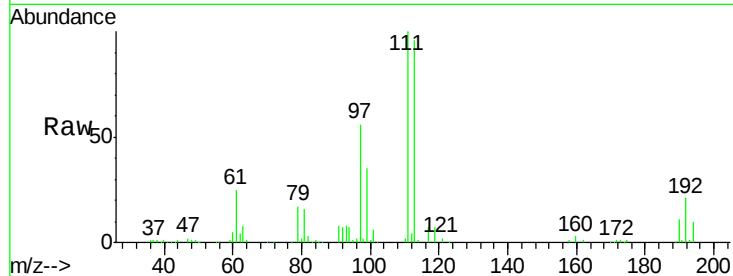
ClientSampleId :

VX0517WBS03

Tot Ion:	113	Resp:	86811
Ion Ratio	Lower	Upper	
113	100		
111	103.0	82.8	124.2
192	21.7	17.0	25.6

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#36

1,1-Dichloropropene

Concen: 18.194 ug/l

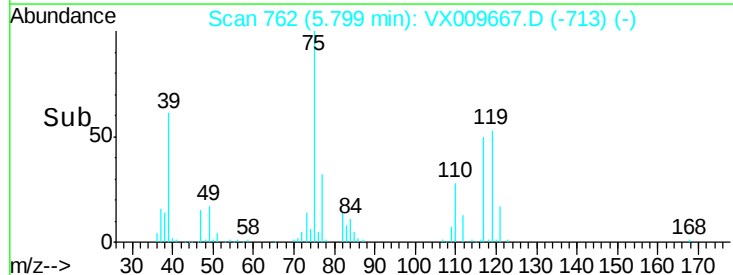
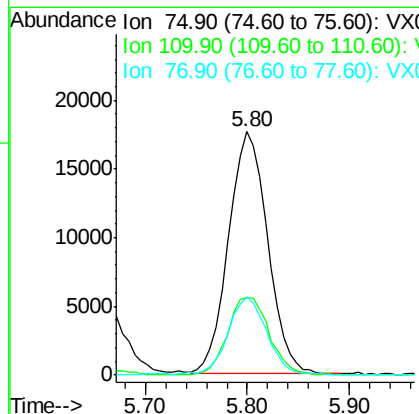
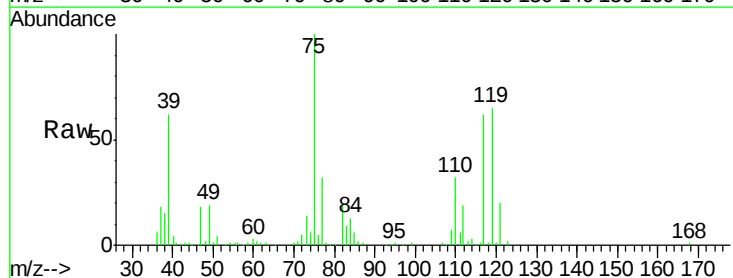
RT: 5.80 min Scan# 762

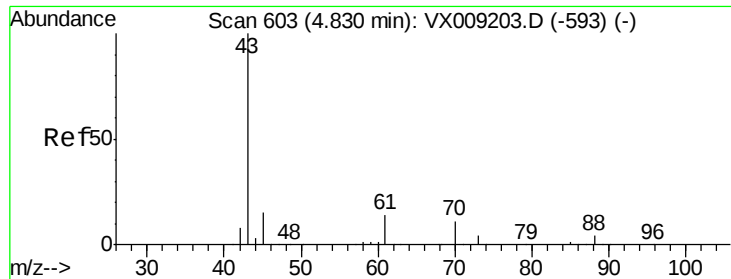
Delta R.T. 0.00 min

Lab File: VX009667.D

Acq: 17 May 2019 17:21

Tgt Ion:	75	Resp:	47138
Ion Ratio	Lower	Upper	
75	100		
110	34.1	16.9	50.6
77	32.2	24.8	37.2





#37

Ethyl Acetate

Concen: 20.743 ug/l

RT: 4.84 min Scan# 604

Delta R.T. 0.01 min

Lab File: VX009667.D

Acq: 17 May 2019 17:21

Instrument :

MSVOA_X

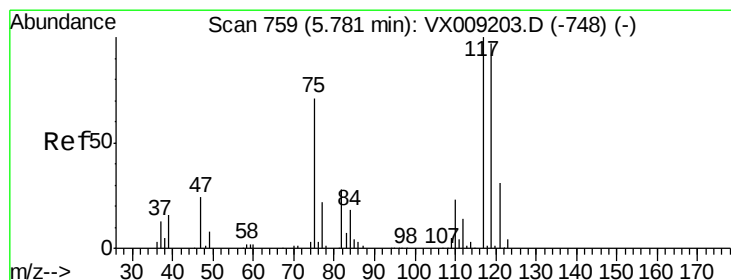
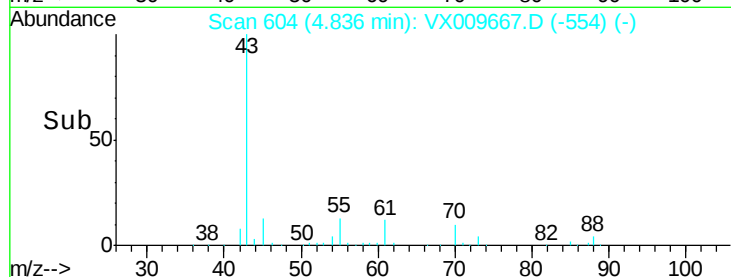
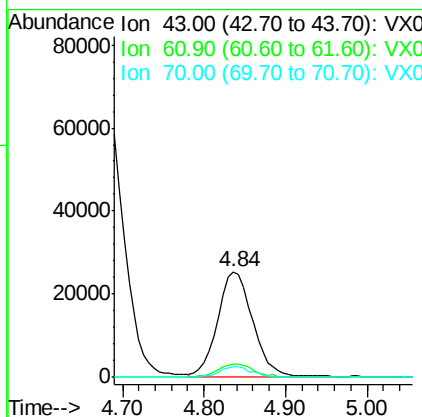
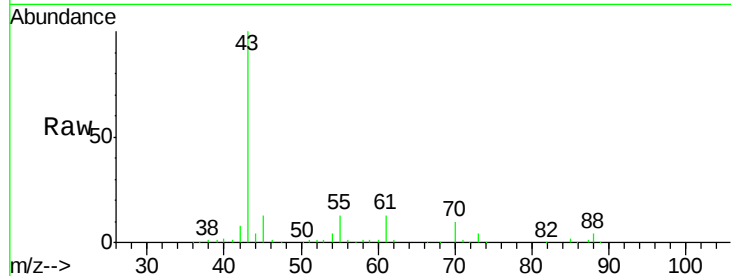
ClientSampleId :

VX0517WBS03

Tot Ion:	43	Resp:	74878
Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.5	15.7
70	9.6	7.9	11.9

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#38

Carbon Tetrachloride

Concen: 18.664 ug/l

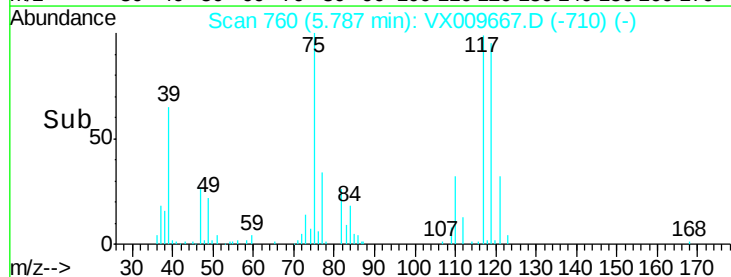
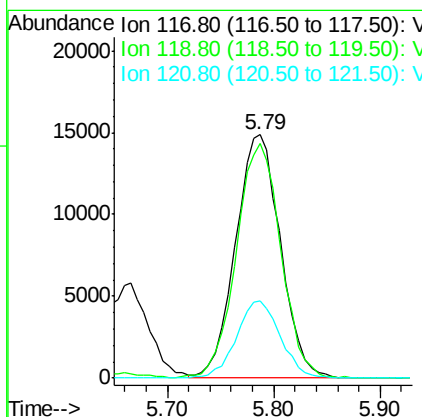
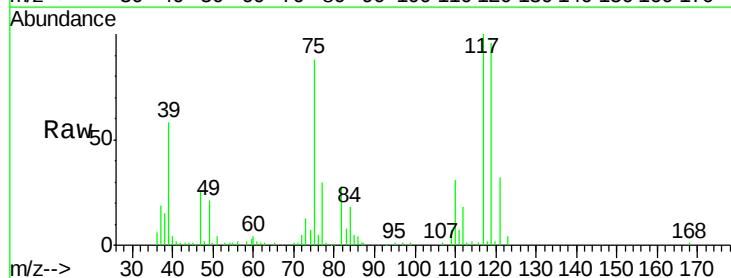
RT: 5.79 min Scan# 760

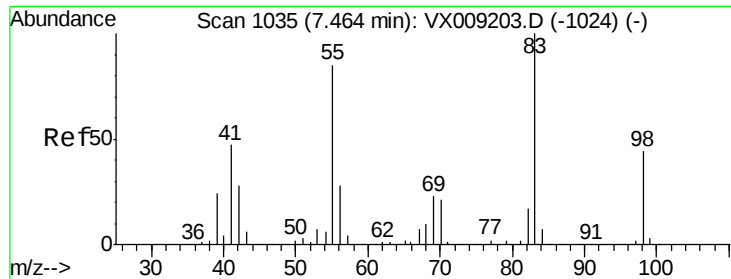
Delta R.T. 0.01 min

Lab File: VX009667.D

Acq: 17 May 2019 17:21

Tgt Ion:	117	Resp:	43935
Ion	Ratio	Lower	Upper
117	100		
119	96.3	77.5	116.3
121	31.6	24.7	37.1





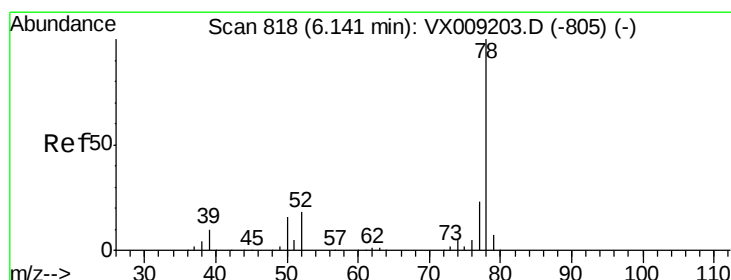
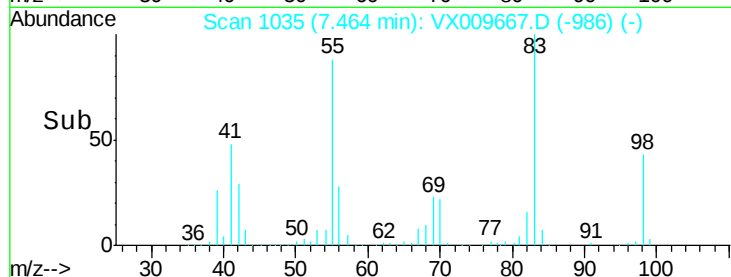
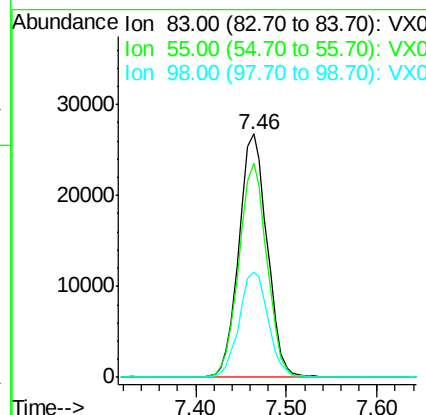
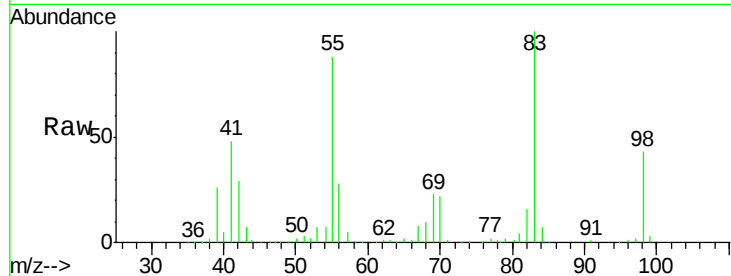
#39
Methvlcvclohexane
Concen: 18.251 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX009667.D
Acq: 17 May 2019 17:21

Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS03

Tot Ion	83	Resp	58072
Ion Ratio	Lower	Upper	
83	100		
55	87.8	67.7	101.5
98	43.4	35.5	53.3

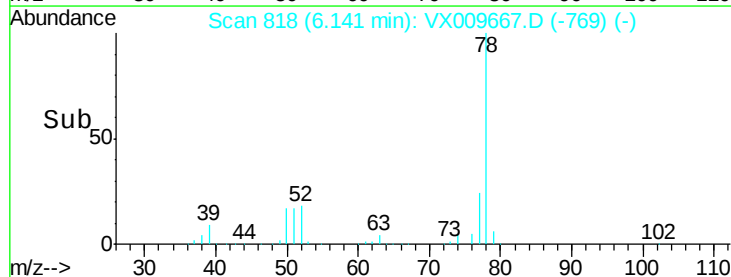
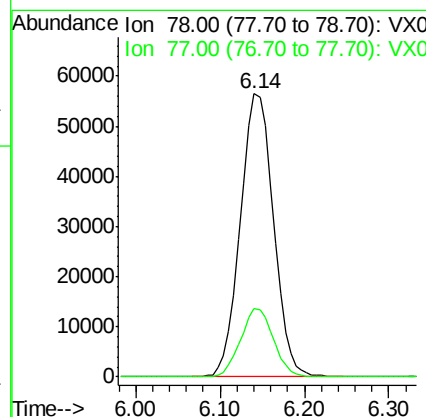
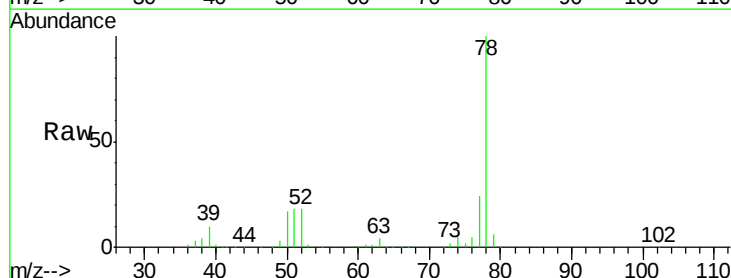
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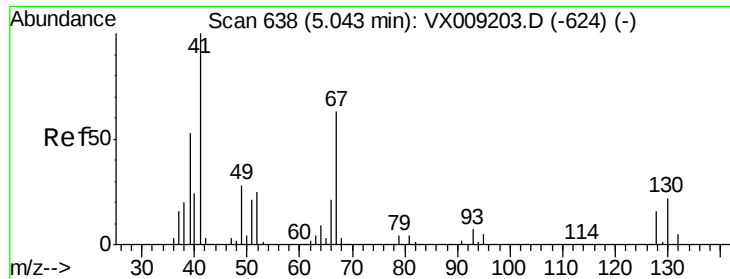
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#40
Benzene
Concen: 18.759 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX009667.D
Acq: 17 May 2019 17:21

Tgt Ion	78	Resp	150410
Ion Ratio	Lower	Upper	
78	100		
77	24.3	18.8	28.2





#41

Methacrylonitrile

Concen: 19.978 ug/l

RT: 5.04 min Scan# 638

Delta R.T. 0.00 min

Lab File: VX009667.D

Acq: 17 May 2019 17:21

Instrument :

MSVOA_X

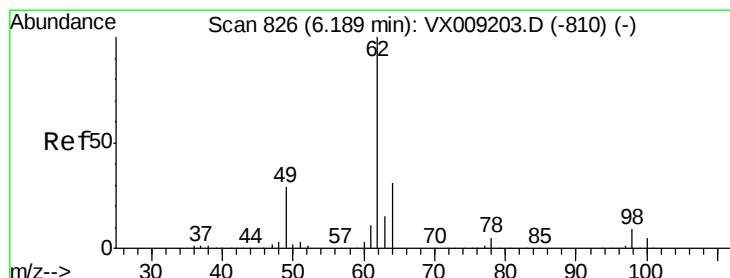
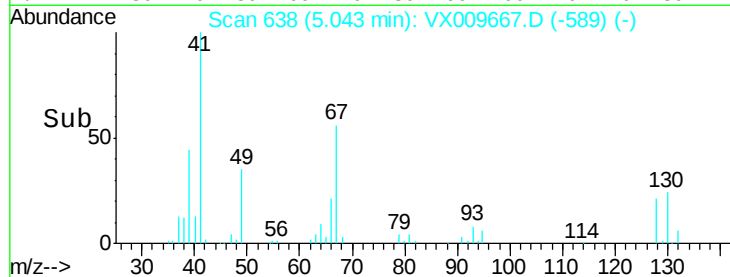
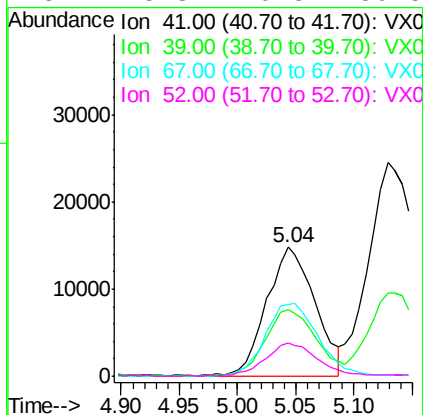
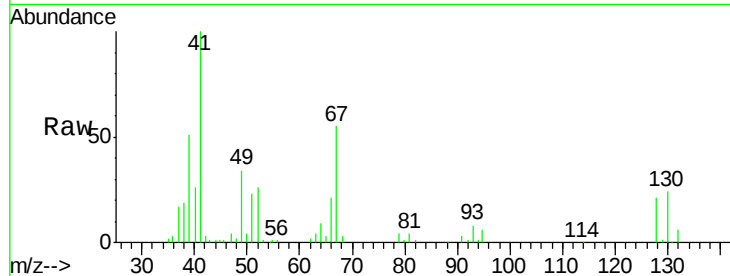
ClientSampleId :

VX0517WBS03

Tot Ion:	41	Resp:	42928
Ion	Ratio	Lower	Upper
41	100		
39	54.8	42.0	63.0
67	62.1	49.8	74.8
52	28.3	20.3	30.5

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#42

1,2-Dichloroethane

Concen: 19.754 ug/l

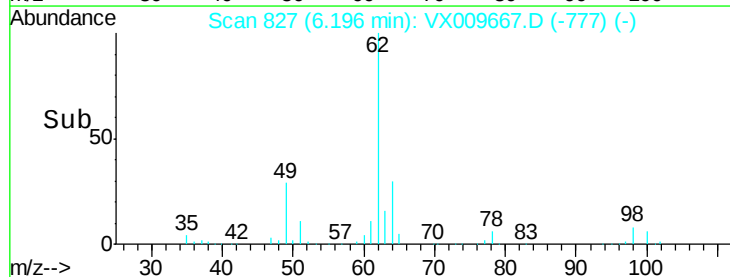
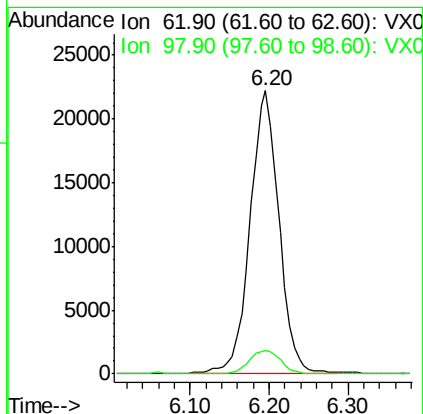
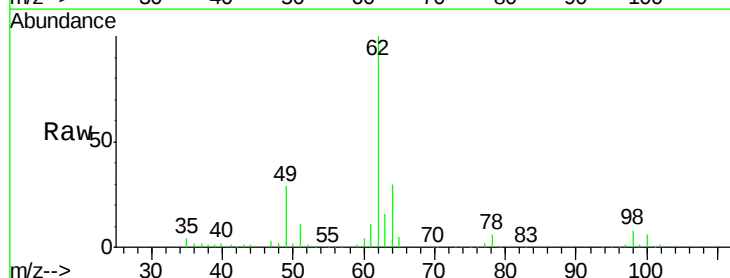
RT: 6.20 min Scan# 827

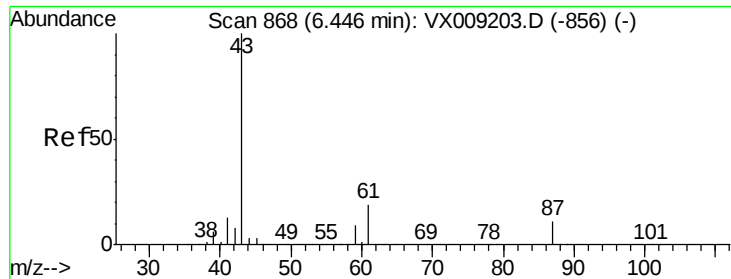
Delta R.T. 0.01 min

Lab File: VX009667.D

Acq: 17 May 2019 17:21

Tgt Ion:	62	Resp:	56818
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.2





#43

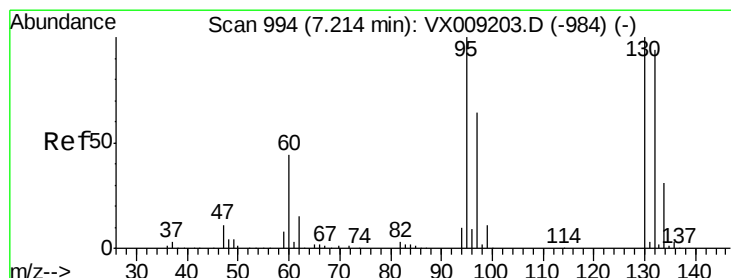
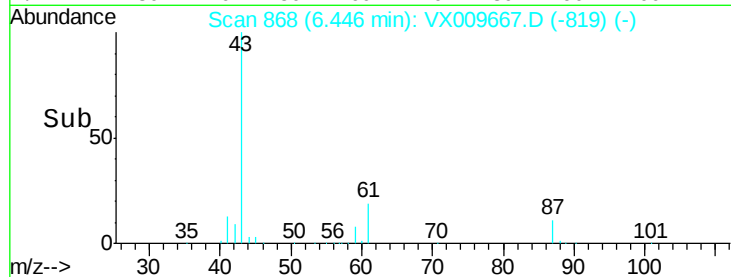
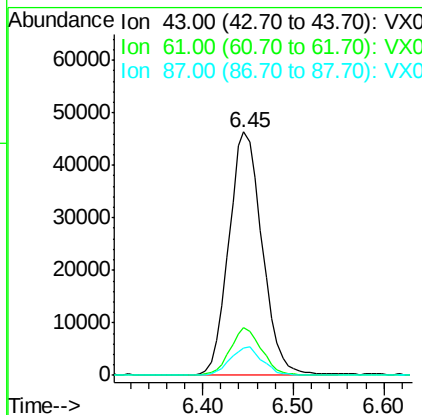
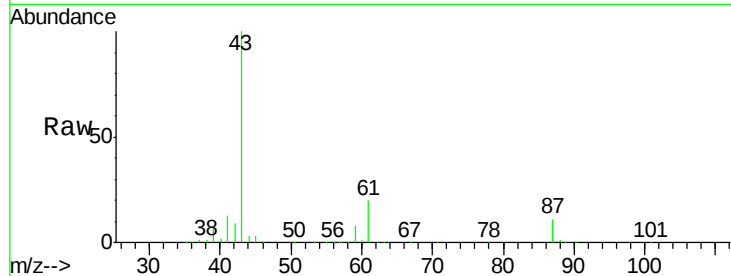
Isopropyl Acetate
 Concen: 20.389 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. 0.00 min
 Lab File: VX009667.D
 Acq: 17 May 2019 17:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0517WBS03

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.8	15.1	22.7
87	11.2	9.0	13.6

Manual Integrations
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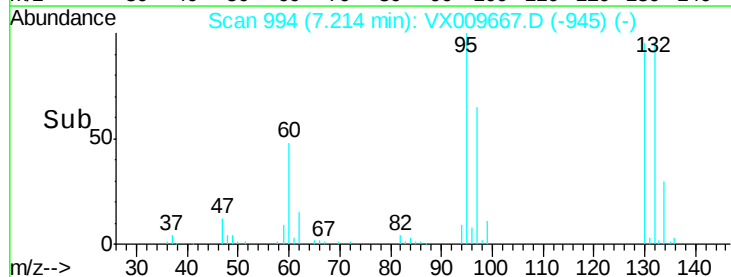
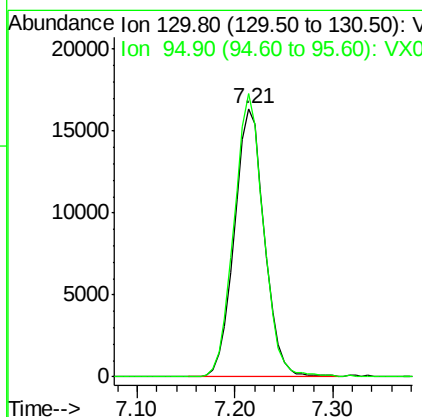
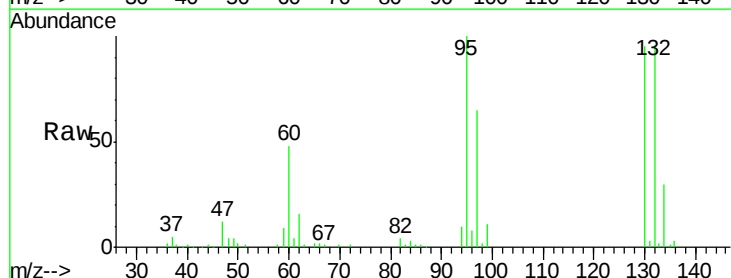
MMDadoda
 5/20/2019 11:12:10 AM

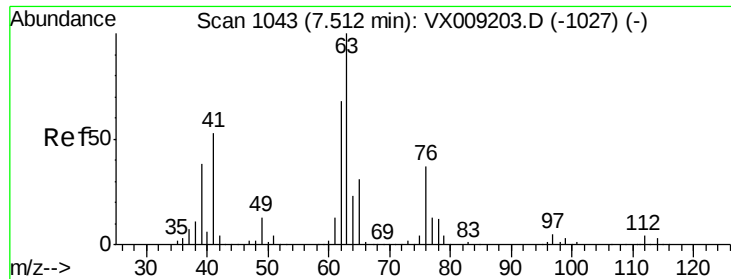


#44

Trichloroethene
 Concen: 17.986 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX009667.D
 Acq: 17 May 2019 17:21

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.6	0.0	199.2





#45

1,2-Dichloropropane

Concen: 19.470 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX009667.D

Acq: 17 May 2019 17:21

Instrument :

MSVOA_X

ClientSampleId :

VX0517WBS03

Tot Ion: 63 Resp: 44204

Ion Ratio Lower Upper

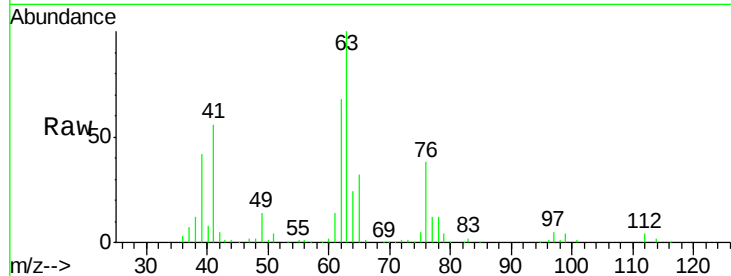
63 100

65 31.7 25.0 37.6

Manual Integrations
APPROVED

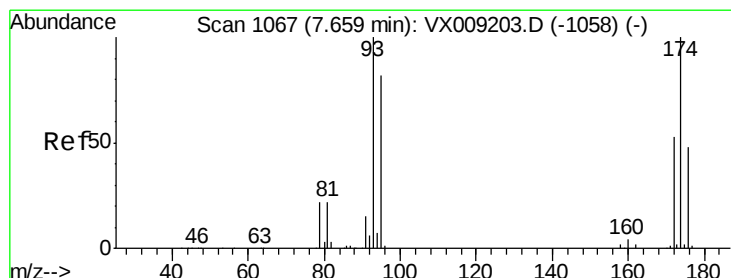
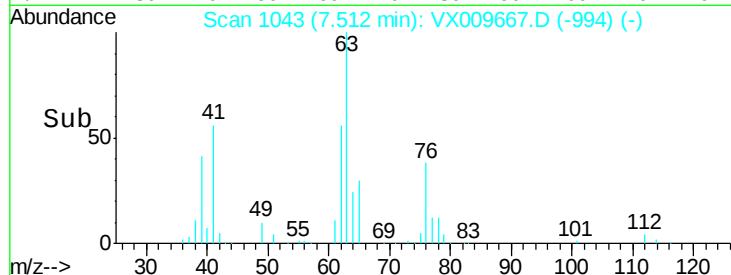
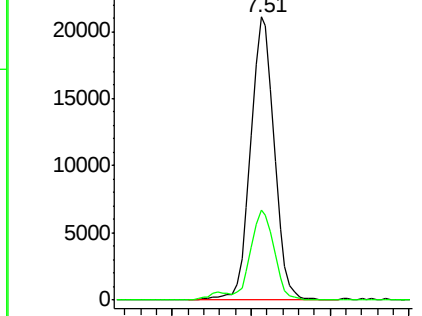
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 18.839 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX009667.D

Acq: 17 May 2019 17:21

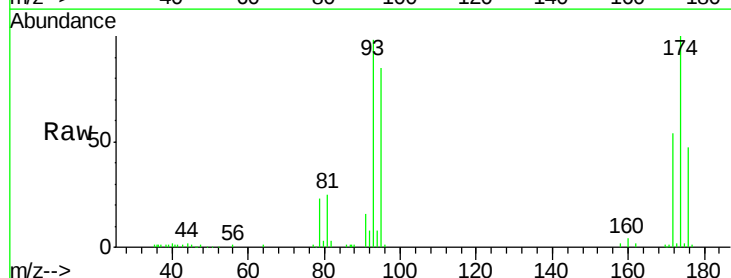
Tgt Ion: 93 Resp: 24838

Ion Ratio Lower Upper

93 100

95 83.4 66.5 99.7

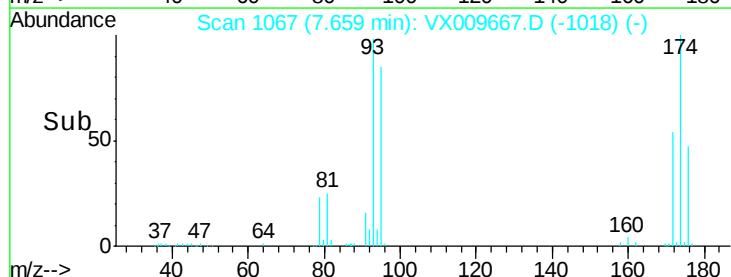
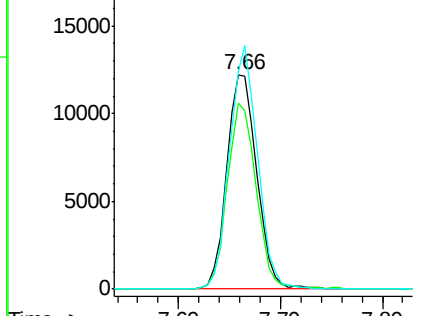
174 106.1 82.1 123.1

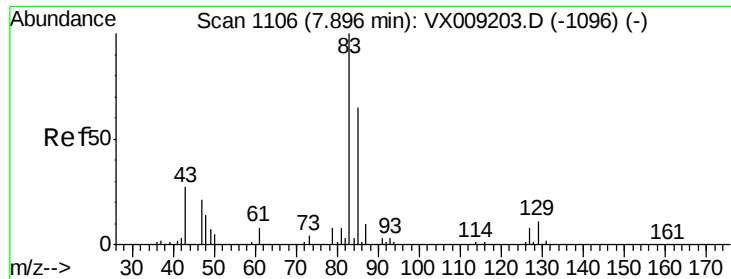


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.293 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX009667.D

Acq: 17 May 2019 17:21

Instrument :

MSVOA_X

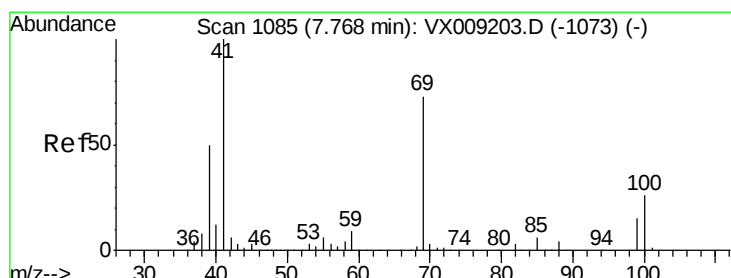
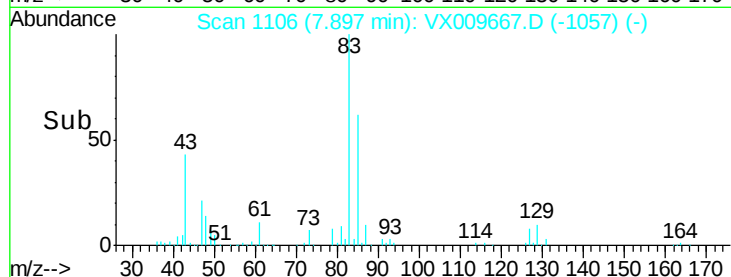
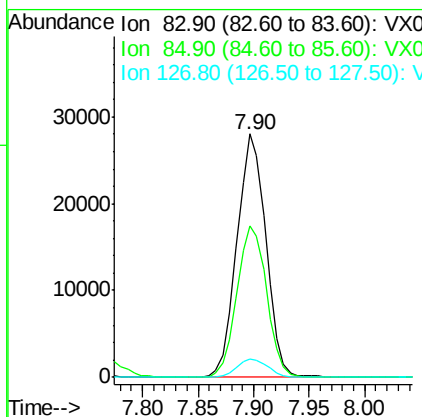
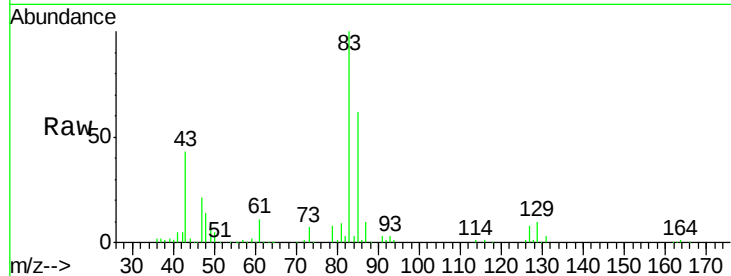
ClientSampleId :

VX0517WBS03

Tot Ion:	83	Resp:	50740
Ion Ratio	Lower	Upper	
83	100		
85	62.4	52.4	78.6
127	7.7	6.6	10.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.703 ug/l

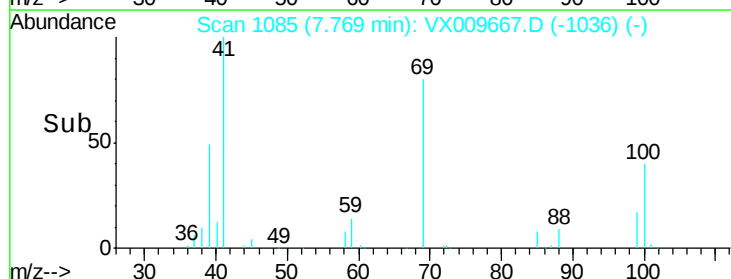
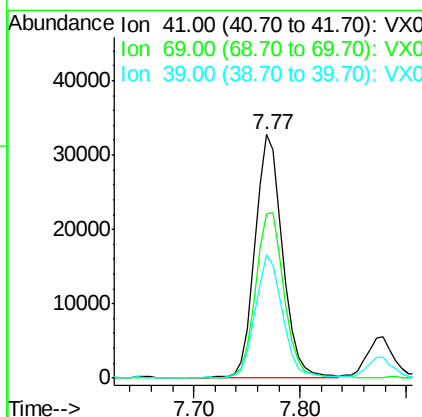
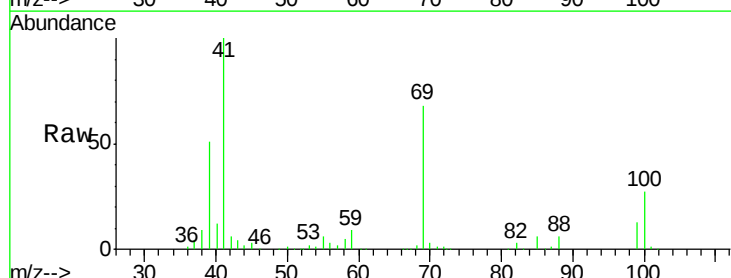
RT: 7.77 min Scan# 1085

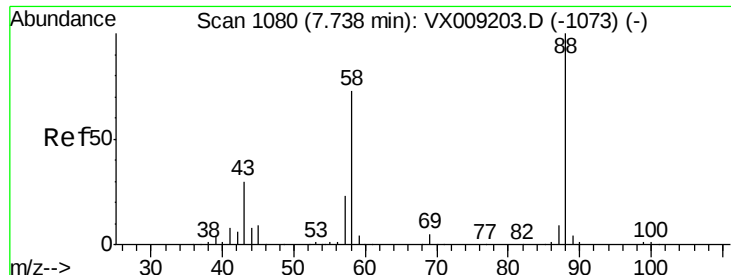
Delta R.T. 0.00 min

Lab File: VX009667.D

Acq: 17 May 2019 17:21

Tgt Ion:	41	Resp:	59306
Ion Ratio	Lower	Upper	
41	100		
69	71.0	59.1	88.7
39	49.6	40.4	60.6





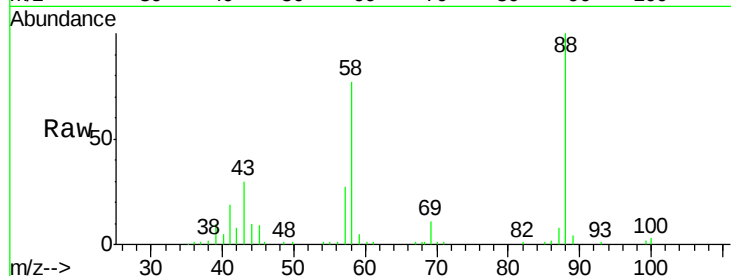
#49
1,4-Dioxane
Concen: 388.193 ug/l
RT: 7.74 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VX009667.D
Acq: 17 May 2019 17:21

Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS03

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.1	28.6	42.8
58	79.2	61.7	92.5

Manual Integrations
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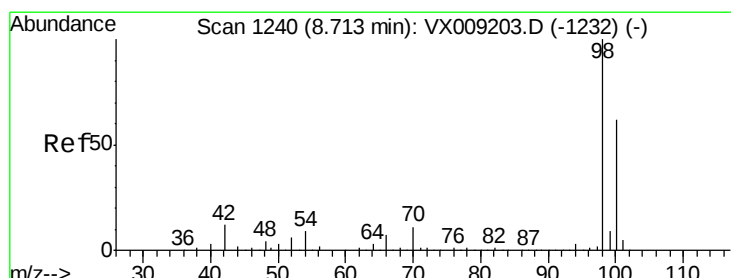
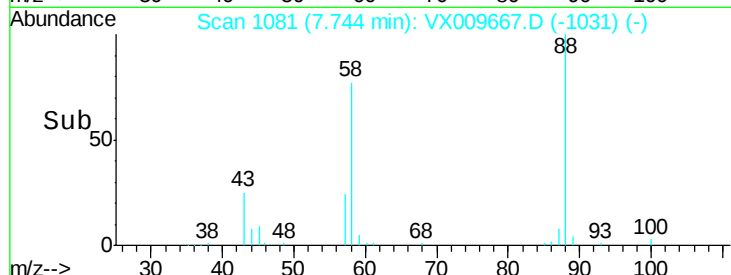
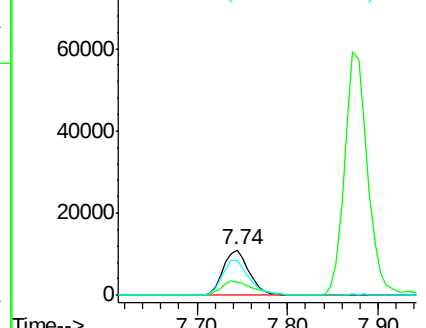


Abundance

Ion 88.00 (87.70 to 88.70): VX0

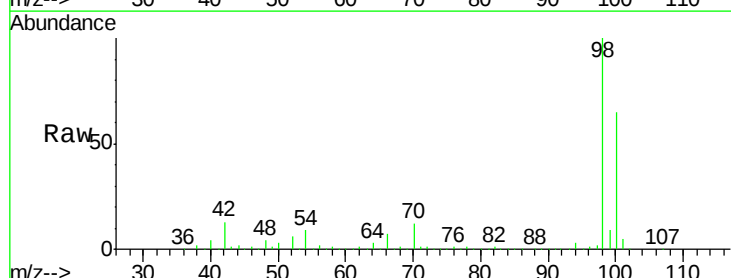
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
Toluene-d8
Concen: 48.770 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009667.D
Acq: 17 May 2019 17:21

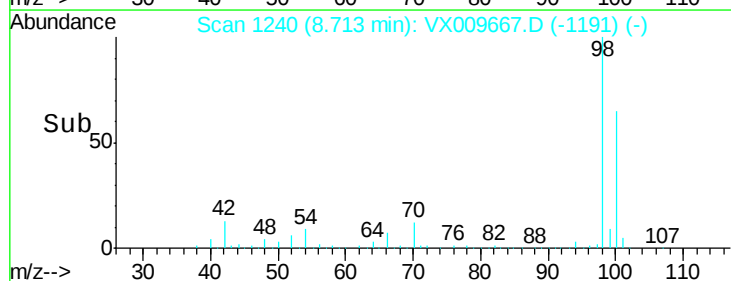
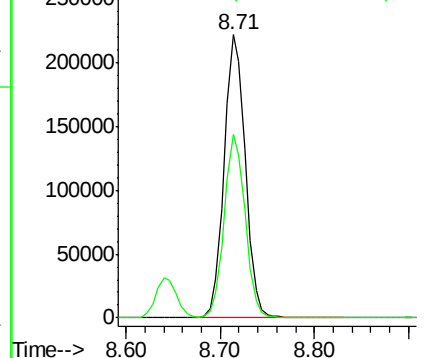
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.2	76.8

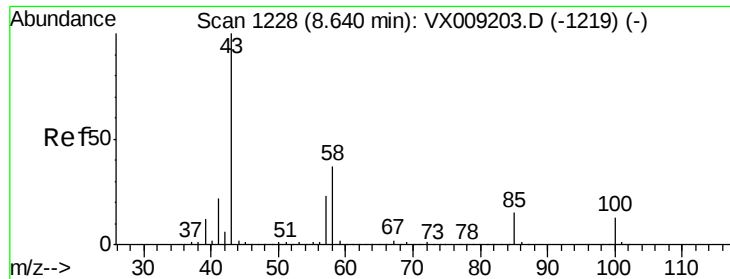


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 107.078 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX009667.D

Acq: 17 May 2019 17:21

Instrument :

MSVOA_X

ClientSampleId :

VX0517WBS03

Tot Ion: 43 Resp: 404118

Ion Ratio Lower Upper

43 100

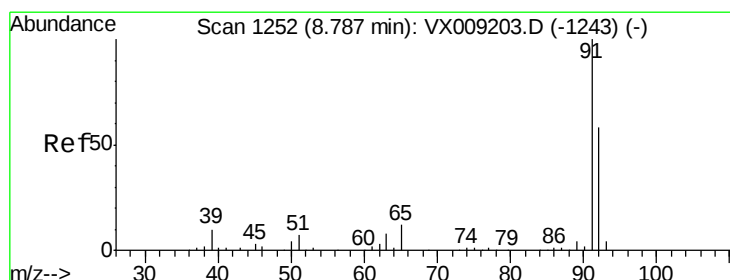
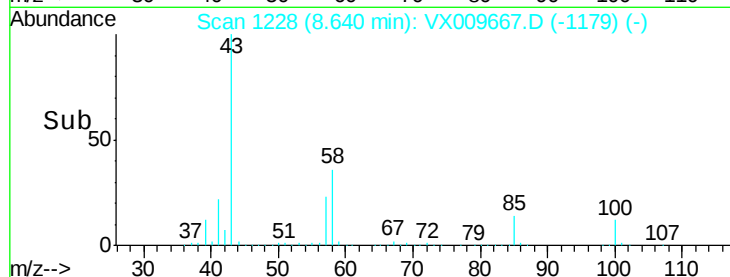
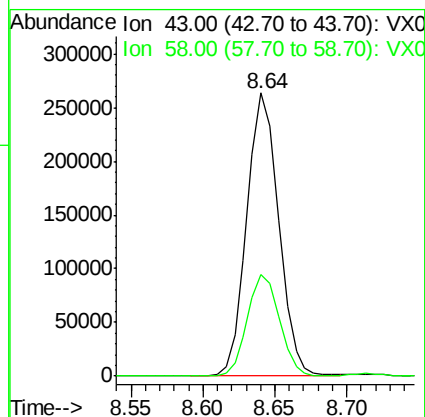
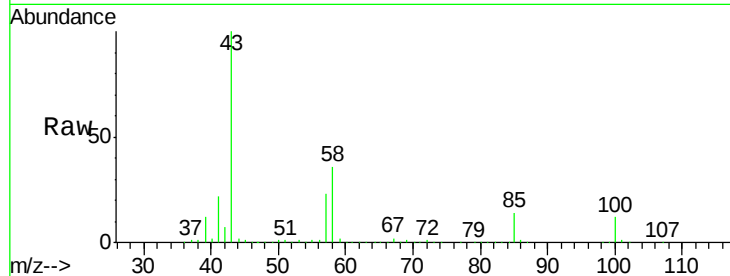
58 36.4 29.5 44.3

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#52

Toluene

Concen: 19.130 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX009667.D

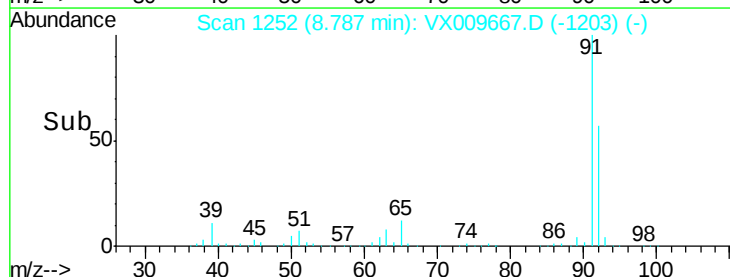
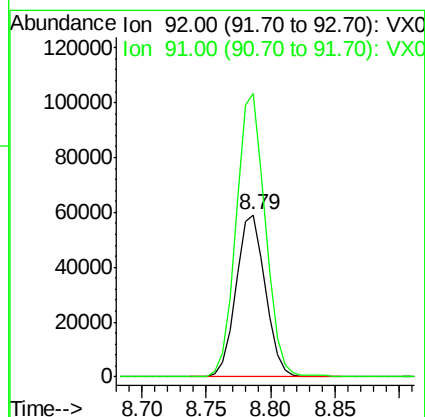
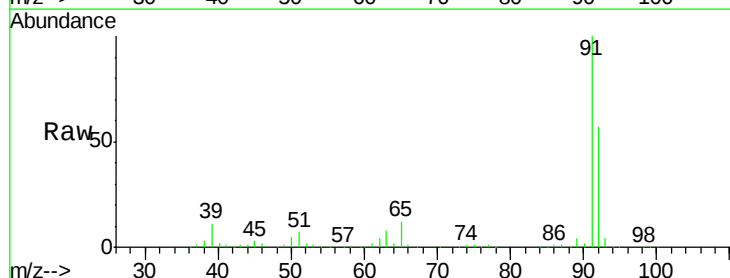
Acq: 17 May 2019 17:21

Tgt Ion: 92 Resp: 93239

Ion Ratio Lower Upper

92 100

91 174.2 138.8 208.2





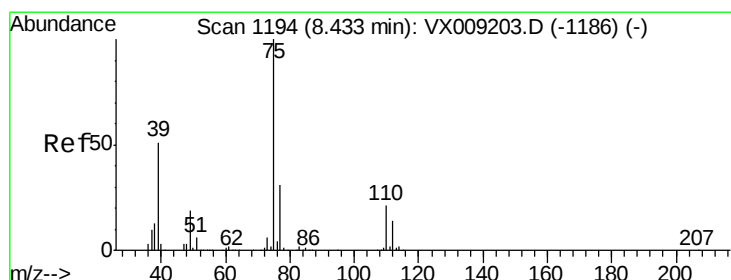
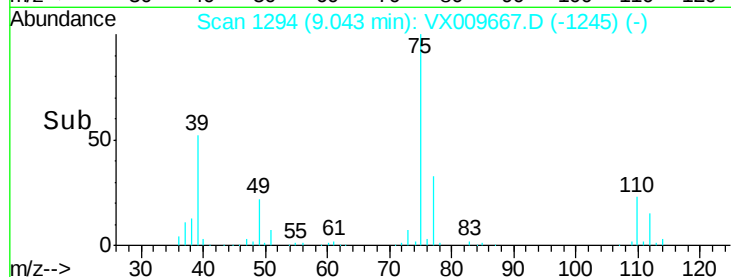
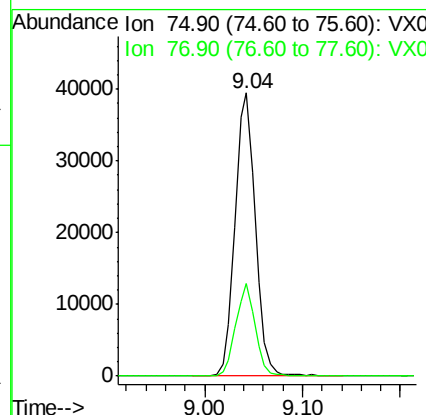
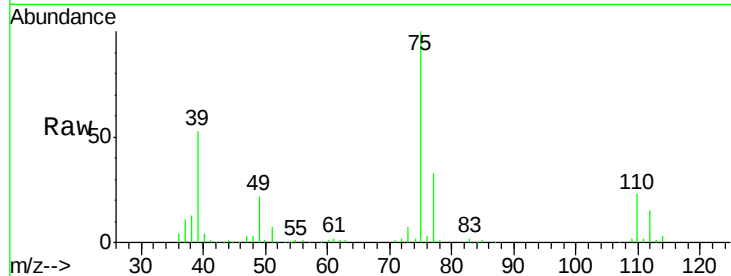
#53
t-1,3-Dichloropropene
Concen: 19.174 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX009667.D
Acq: 17 May 2019 17:21

Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS03

Tot Ion: 75 Resp: 56932
Ion Ratio Lower Upper
75 100
77 32.9 25.0 37.6

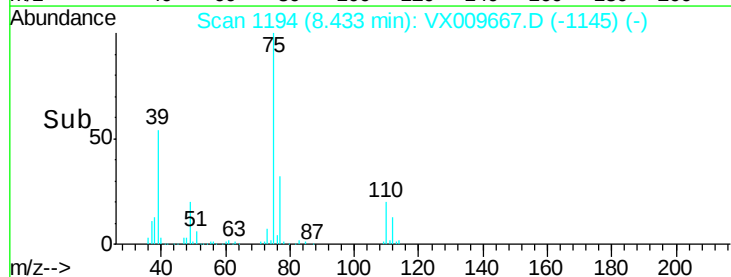
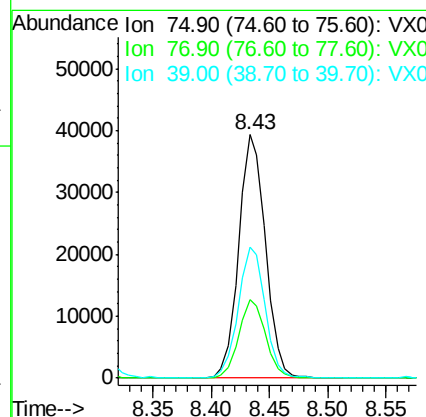
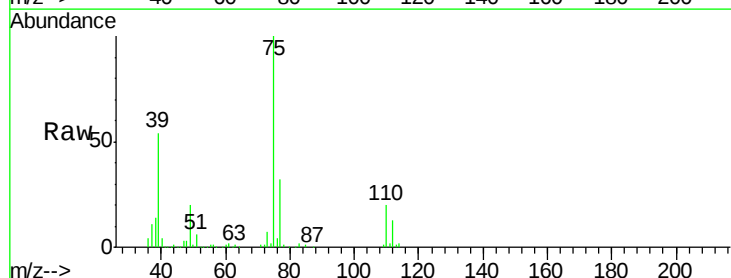
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#54
cis-1,3-Dichloropropene
Concen: 19.200 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX009667.D
Acq: 17 May 2019 17:21

Tgt Ion: 75 Resp: 63101
Ion Ratio Lower Upper
75 100
77 32.0 24.6 36.8
39 53.5 40.6 60.8





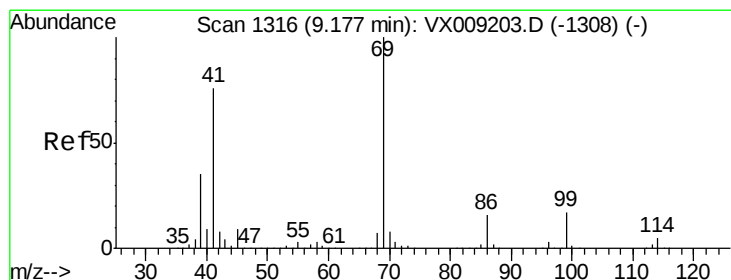
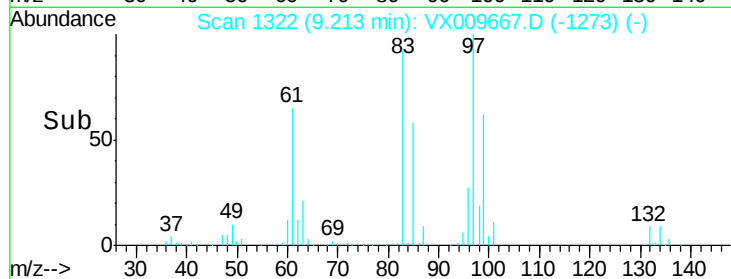
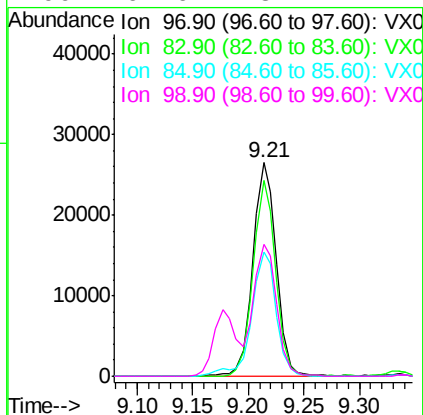
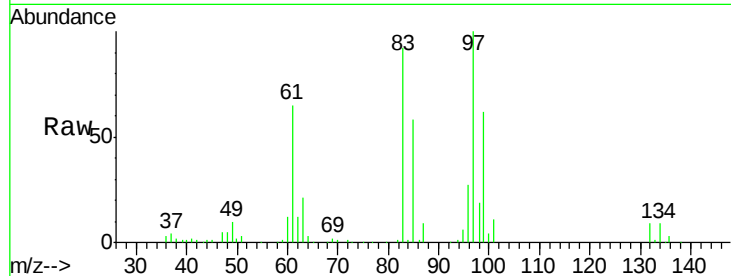
#55
1,1,2-Trichloroethane
Concen: 19.501 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VX009667.D
Acq: 17 May 2019 17:21

Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS03

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		38777		
83	92.0		68.9	103.3	
85	58.1		43.8	65.6	
99	61.6		48.2	72.2	

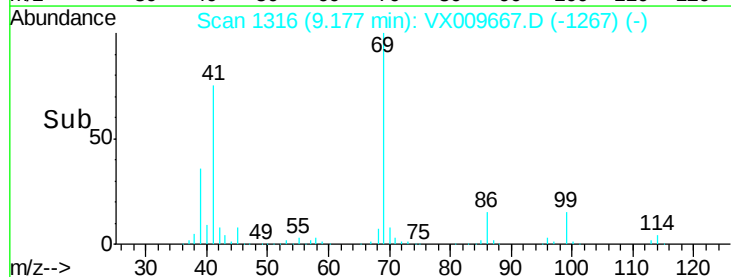
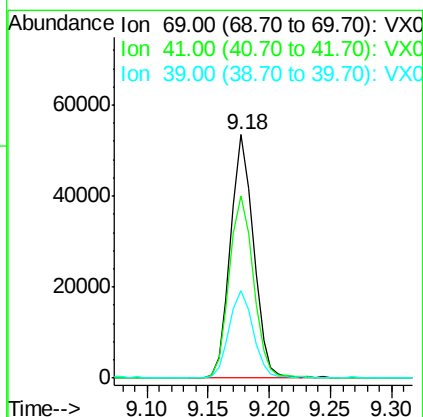
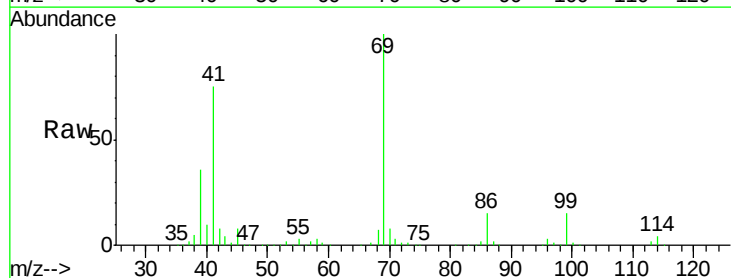
Manual Integrations
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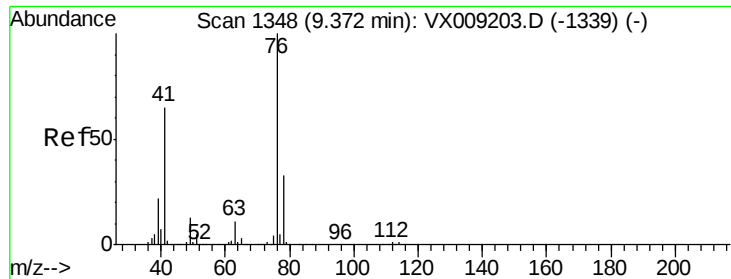
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#56
Ethyl methacrylate
Concen: 19.829 ug/l
RT: 9.18 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VX009667.D
Acq: 17 May 2019 17:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		70382		
41	78.0		60.6	90.8	
39	37.0		28.2	42.4	





#57

1,3-Dichloropropane

Concen: 19.503 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX009667.D

Acq: 17 May 2019 17:21

Instrument :

MSVOA_X

ClientSampleId :

VX0517WBS03

Tot Ion: 76 Resp: 68245

Ion Ratio Lower Upper

76 100

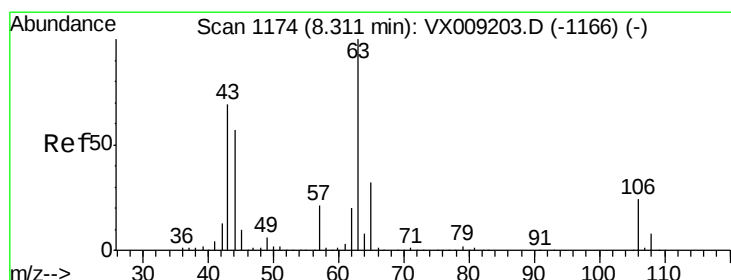
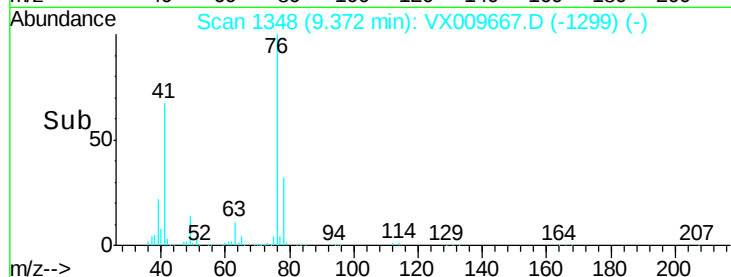
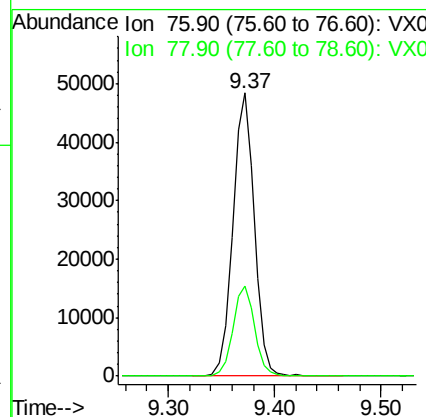
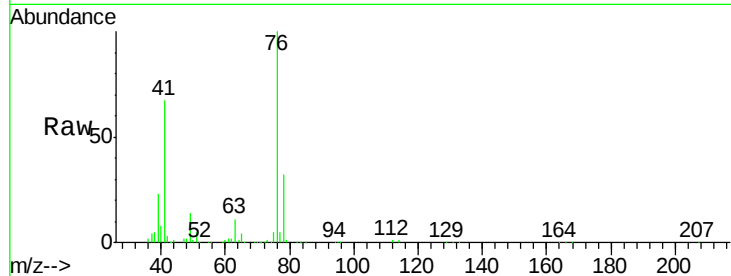
78 32.0 25.5 38.3

Manual Integrations

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5/20/2019 11:12:10 AM



#58

2-Chloroethyl Vinyl ether

Concen: 82.798 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX009667.D

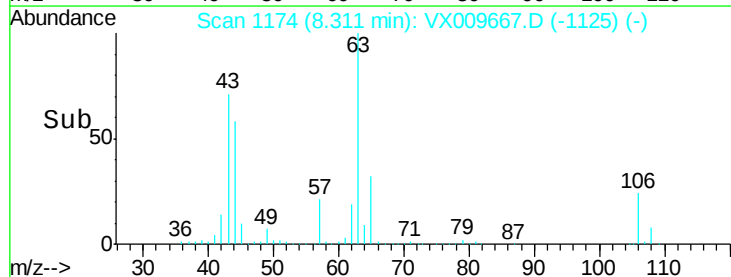
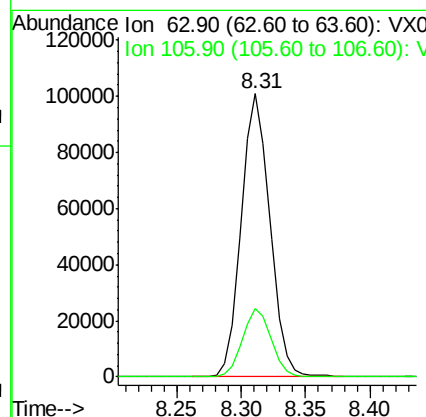
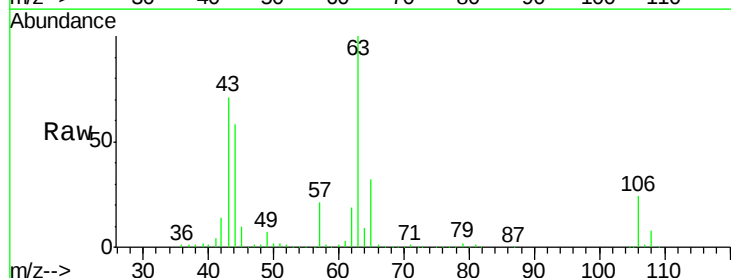
Acq: 17 May 2019 17:21

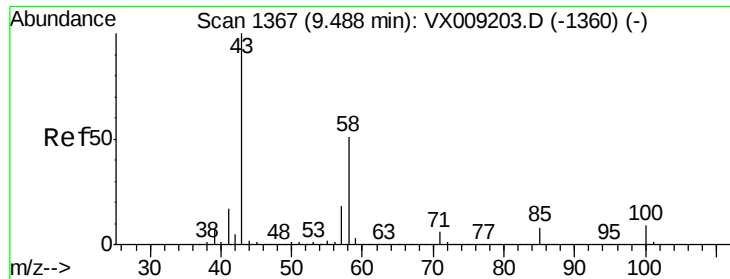
Tgt Ion: 63 Resp: 155909

Ion Ratio Lower Upper

63 100

106 24.3 19.7 29.5





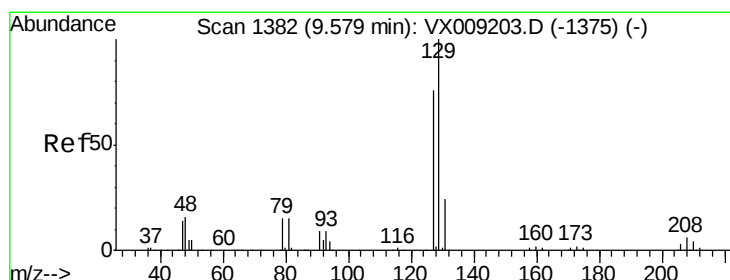
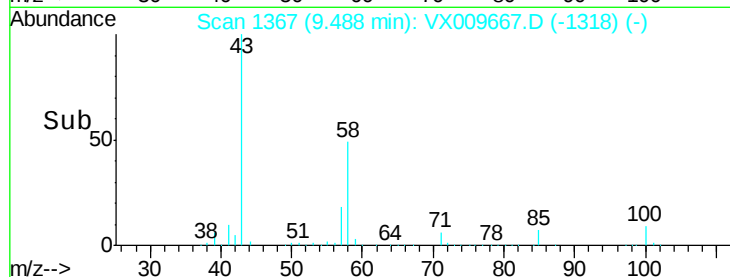
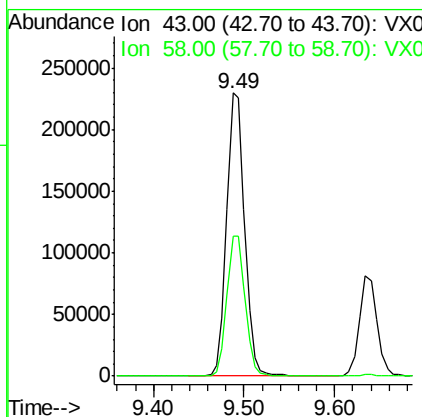
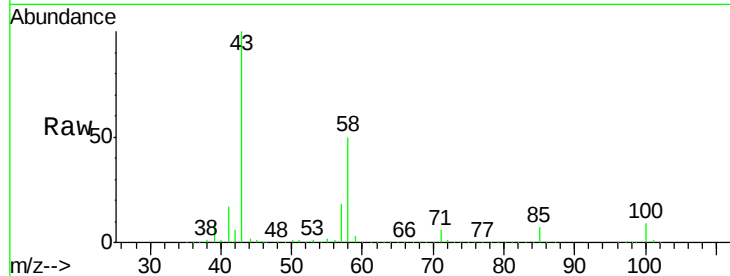
#59
2-Hexanone
Concen: 106.974 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX009667.D
Acq: 17 May 2019 17:21

Instrument :
MSVOA_X
ClientSampled :
VX0517WBS03

Tot Ion: 43 Resp: 317082
Ion Ratio Lower Upper
43 100
58 50.5 25.9 77.7

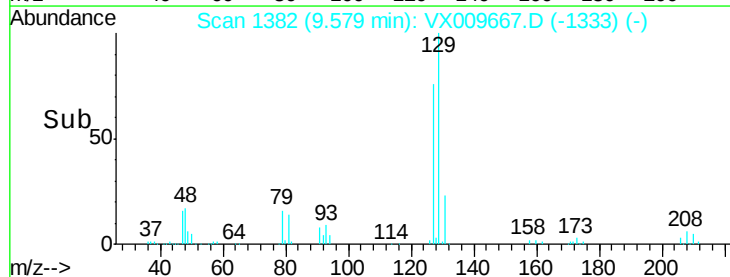
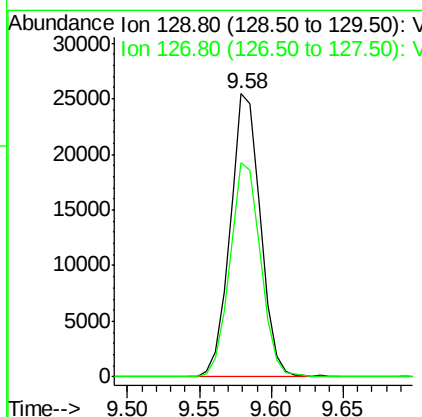
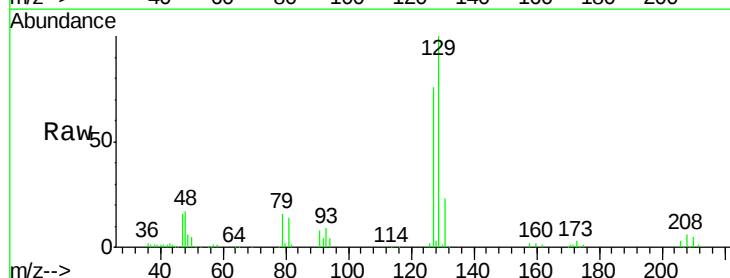
Manual Integrations
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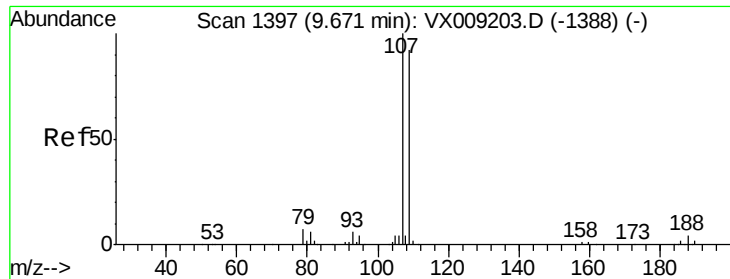
MMDadoda
5/20/2019 11:12:10 AM



#60
Dibromochloromethane
Concen: 19.253 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX009667.D
Acq: 17 May 2019 17:21

Tgt Ion: 129 Resp: 37392
Ion Ratio Lower Upper
129 100
127 76.6 38.4 115.1





#61

1,2-Dibromoethane

Concen: 19.390 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX009667.D

Acq: 17 May 2019 17:21

Instrument :

MSVOA_X

ClientSampleId :

VX0517WBS03

Tot Ion:107 Resp: 38920

Ion Ratio Lower Upper

107 100

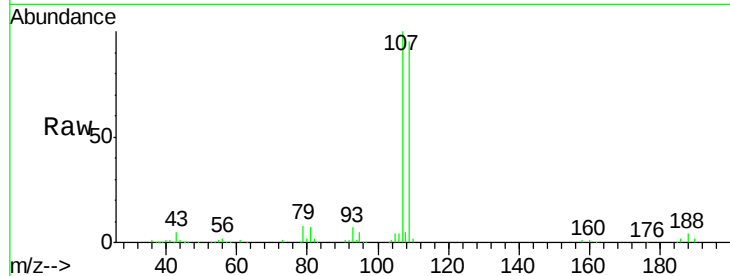
109 94.6 75.2 112.8

Manual Integrations

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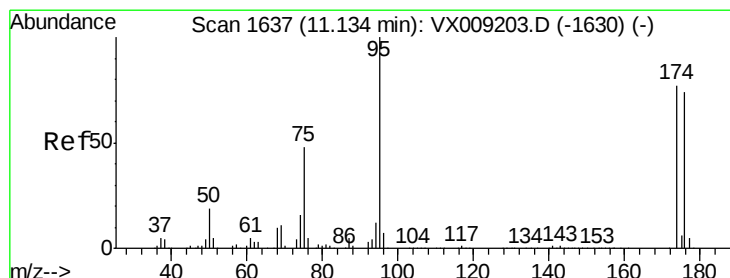
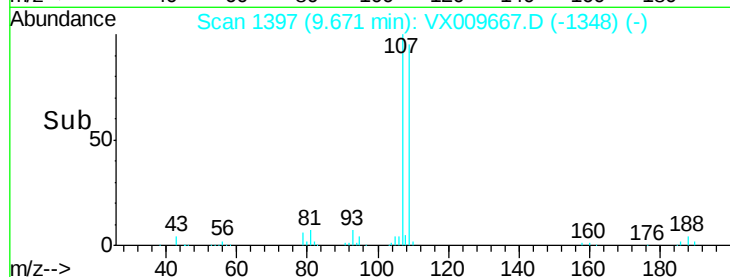
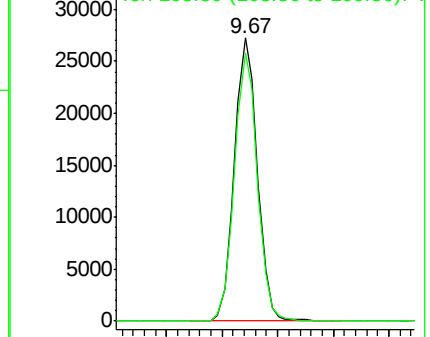
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.101 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009667.D

Acq: 17 May 2019 17:21

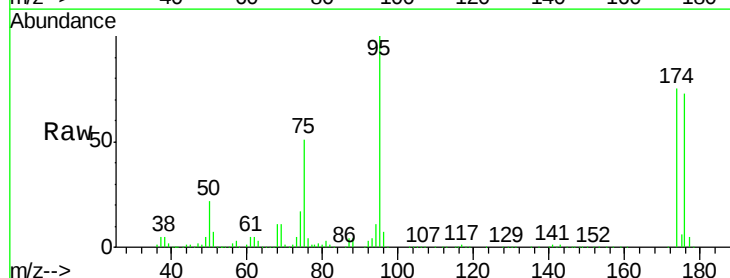
Tgt Ion: 95 Resp: 128809

Ion Ratio Lower Upper

95 100

174 81.3 0.0 161.6

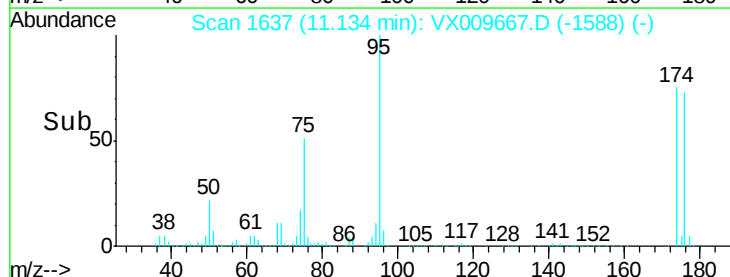
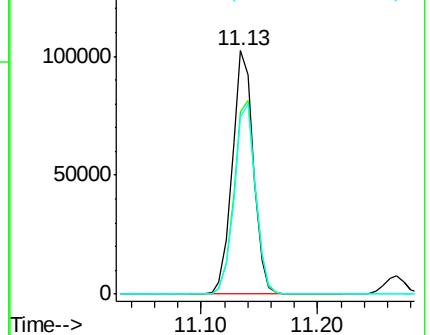
176 78.9 0.0 159.2

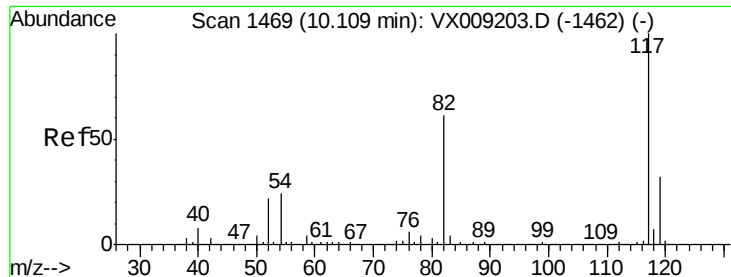


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





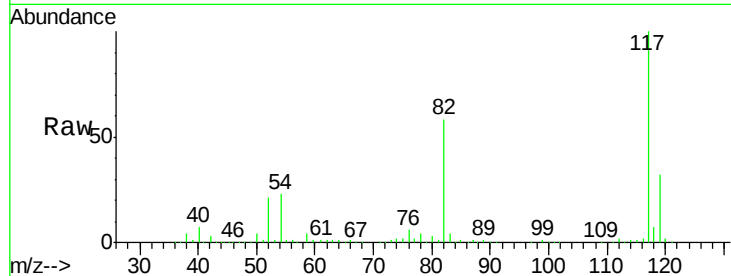
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX009667.D
Acq: 17 May 2019 17:21

Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS03

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.8	48.8	73.2
119	32.1	25.8	38.6

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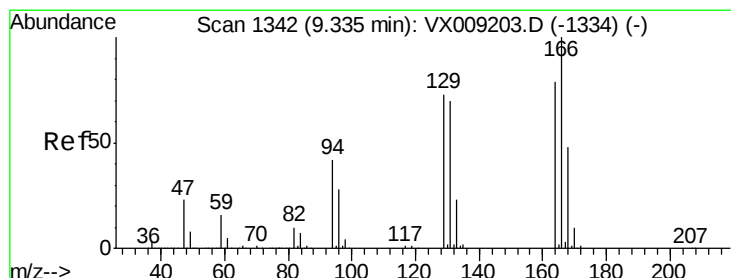
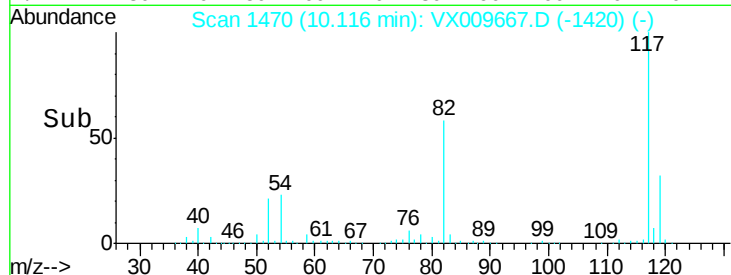
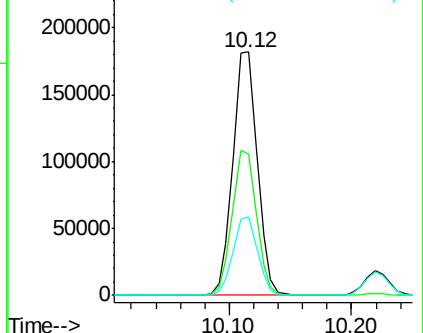


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 19.204 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009667.D
Acq: 17 May 2019 17:21

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.1	101.2	151.8
129	88.7	74.3	111.5
131	83.0	71.0	106.6

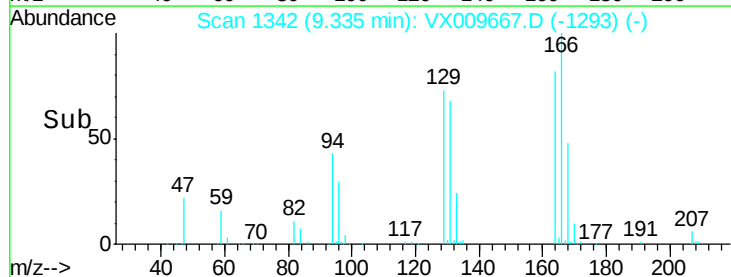
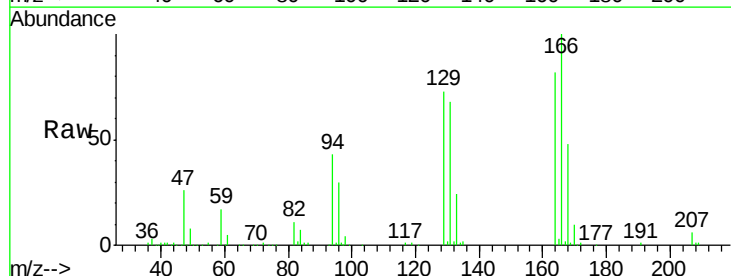
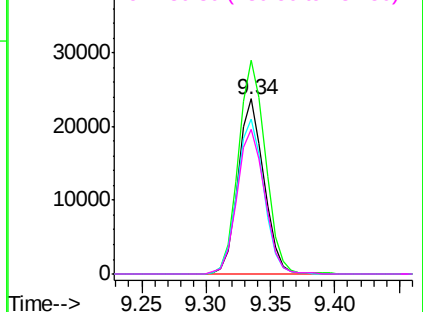
Abundance

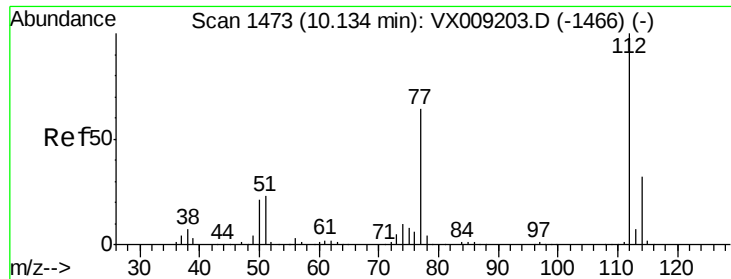
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





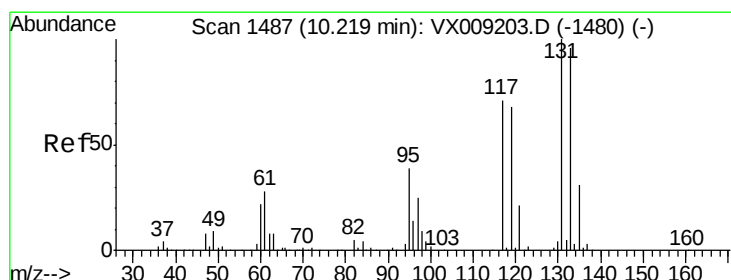
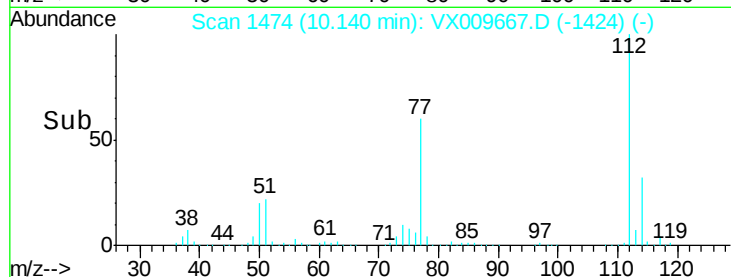
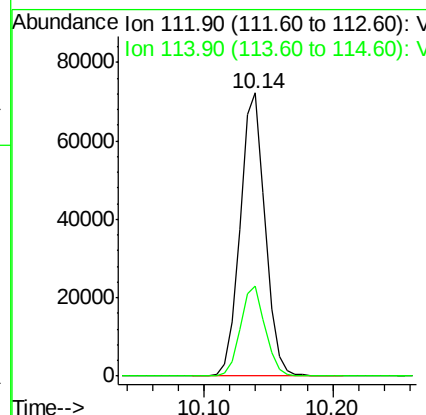
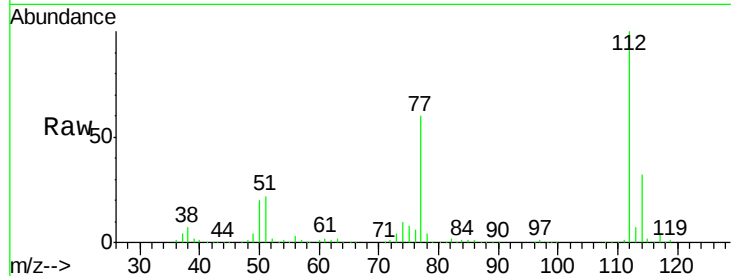
#65
Chlorobenzene
Concen: 19.303 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX009667.D
Acq: 17 May 2019 17:21

Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS03

Tot Ion:112 Resp: 97045
Ion Ratio Lower Upper
112 100
114 32.0 25.5 38.3

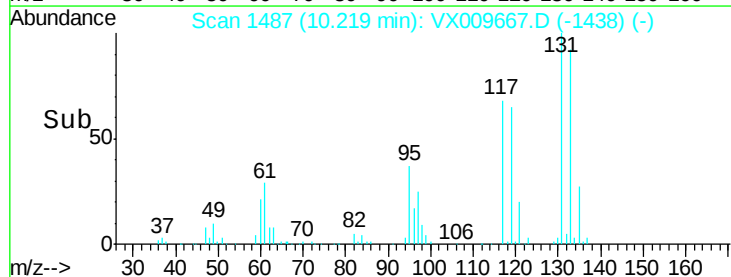
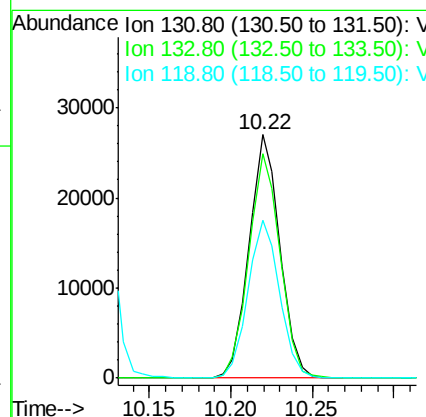
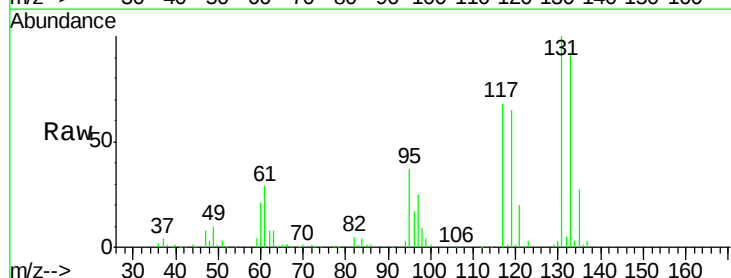
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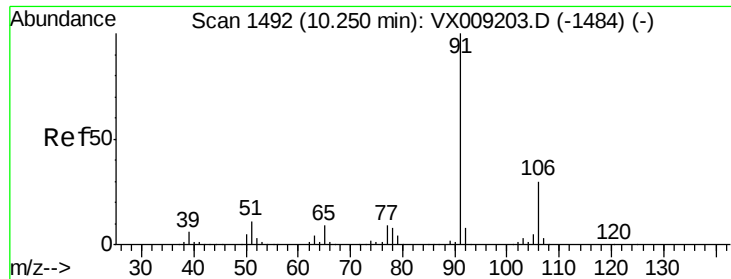
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.558 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX009667.D
Acq: 17 May 2019 17:21

Tgt Ion:131 Resp: 35648
Ion Ratio Lower Upper
131 100
133 93.9 47.7 143.1
119 66.6 33.5 100.4





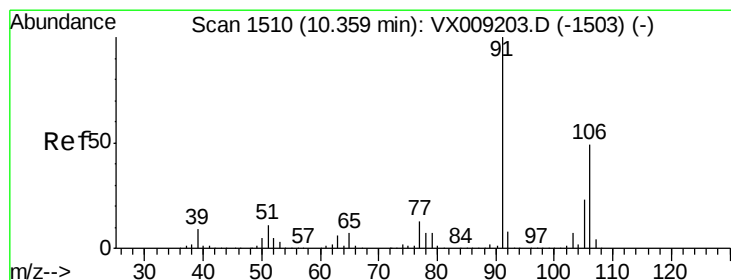
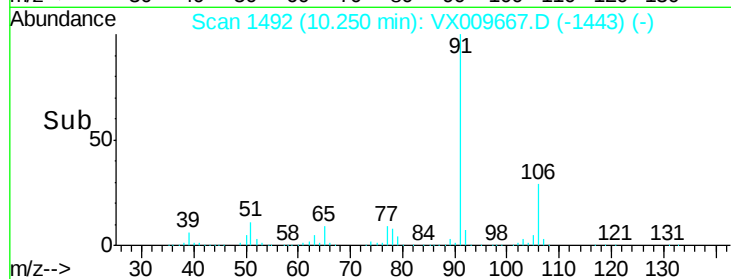
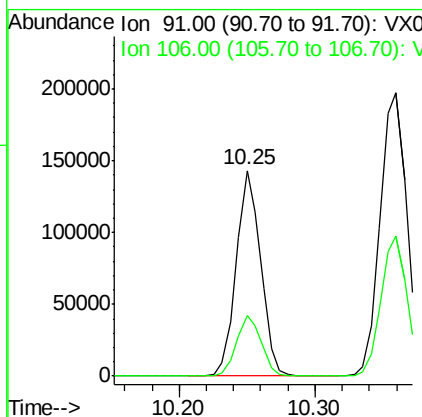
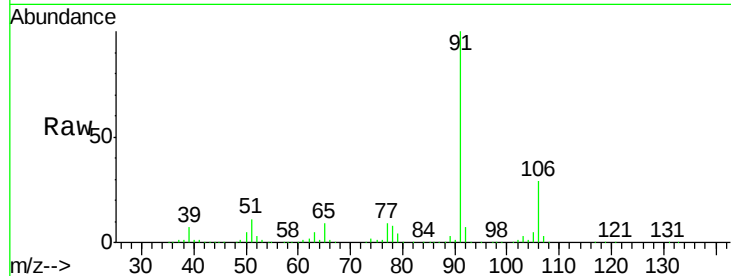
#67
Ethyl Benzene
Concen: 19.371 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX009667.D
Acq: 17 May 2019 17:21

Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS03

Tot Ion: 91 Resp: 179231
Ion Ratio Lower Upper
91 100
106 29.3 24.0 36.0

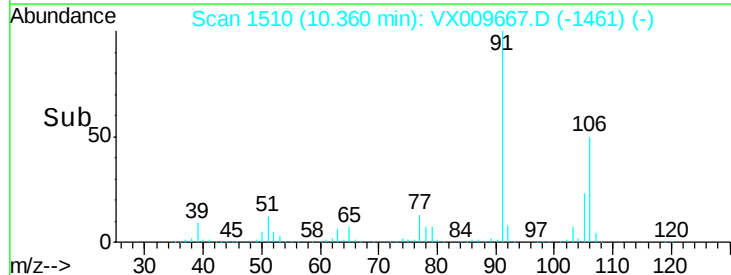
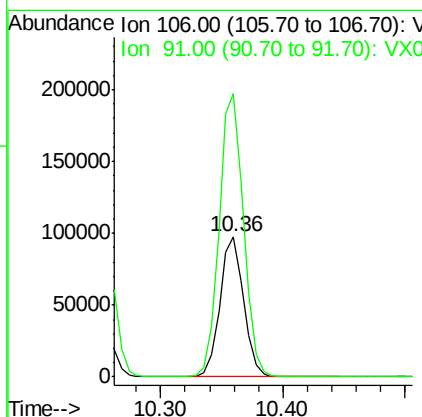
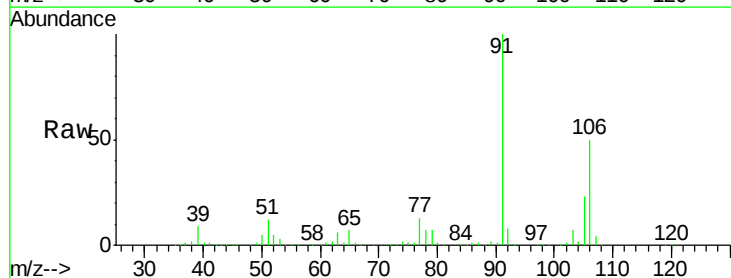
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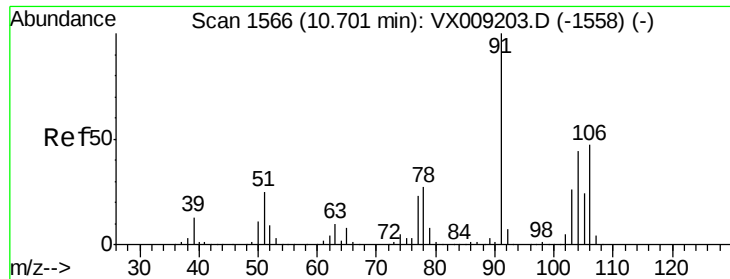
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#68
m/p-Xylenes
Concen: 38.801 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX009667.D
Acq: 17 May 2019 17:21

Tgt Ion: 106 Resp: 131193
Ion Ratio Lower Upper
106 100
91 207.3 164.0 246.0





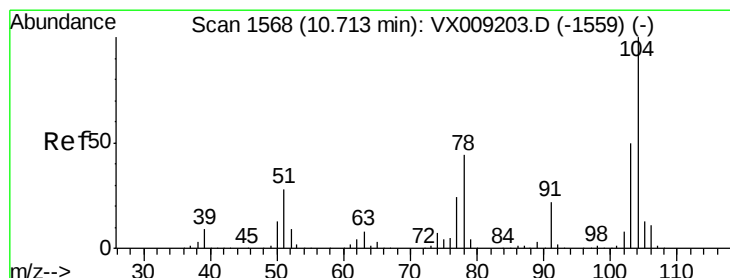
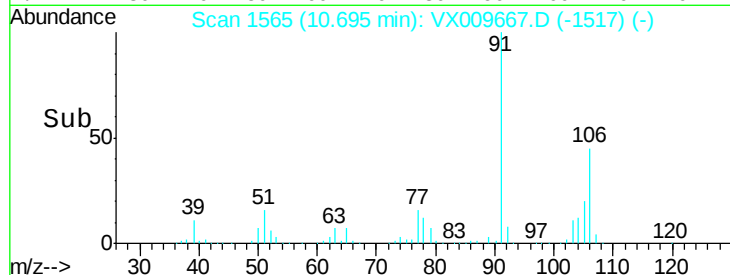
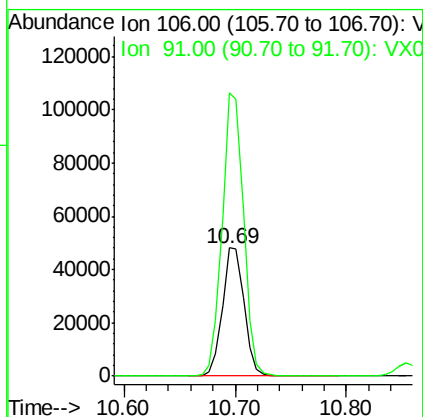
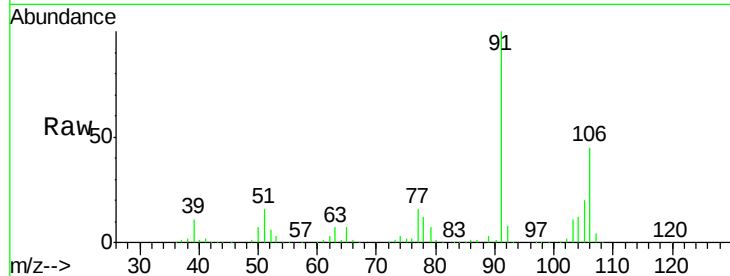
#69
o-Xylene
Concen: 19.434 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009667.D
Acq: 17 May 2019 17:21

Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS03

Tot Ion:106 Resp: 64832
Ion Ratio Lower Upper
106 100
91 217.7 109.5 328.4

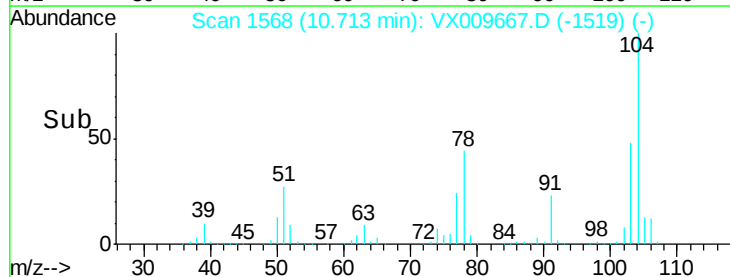
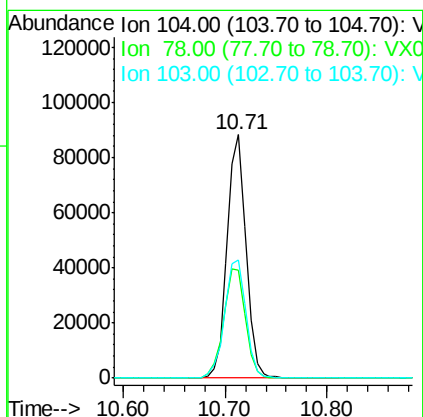
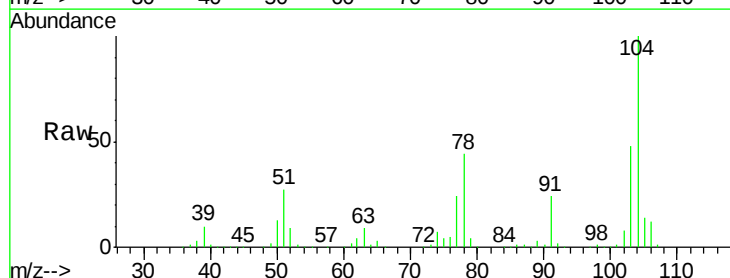
Manual Integrations
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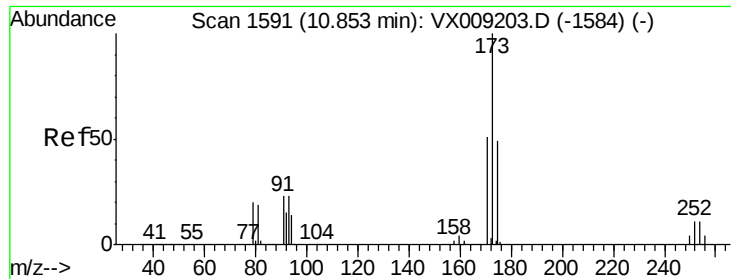
MMDadoda
5/20/2019 11:12:10 AM



#70
Styrene
Concen: 19.505 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX009667.D
Acq: 17 May 2019 17:21

Tgt Ion:104 Resp: 113098
Ion Ratio Lower Upper
104 100
78 52.1 41.0 61.4
103 55.1 43.8 65.6





#71

Bromoform

Concen: 18.934 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX009667.D

Acq: 17 May 2019 17:21

Instrument :

MSVOA_X

ClientSampleId :

VX0517WBS03

Tot Ion:173 Resp: 28045

Ion Ratio Lower Upper

173 100

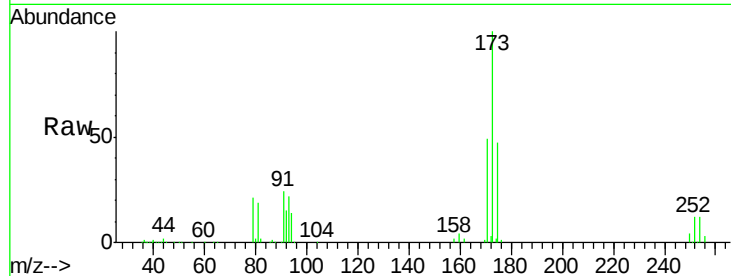
175 47.6 24.5 73.5

254 0.1 0.1 0.1#

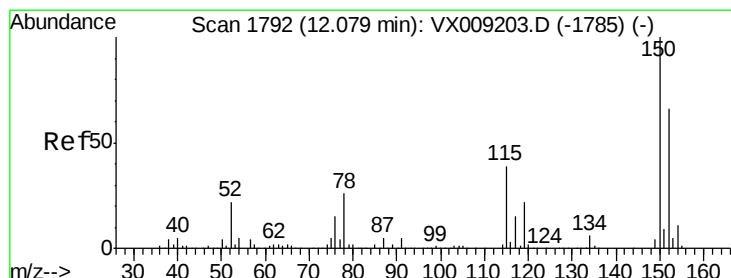
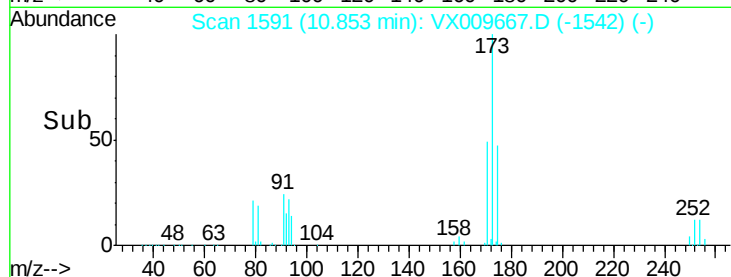
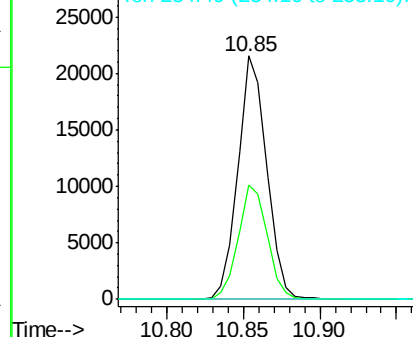
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009667.D

Acq: 17 May 2019 17:21

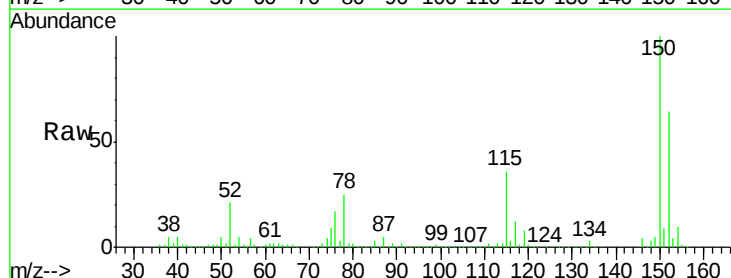
Tgt Ion:152 Resp: 124308

Ion Ratio Lower Upper

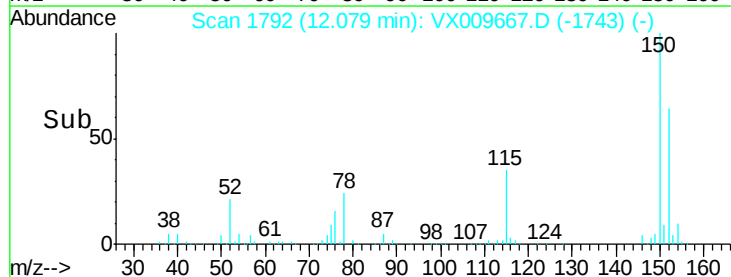
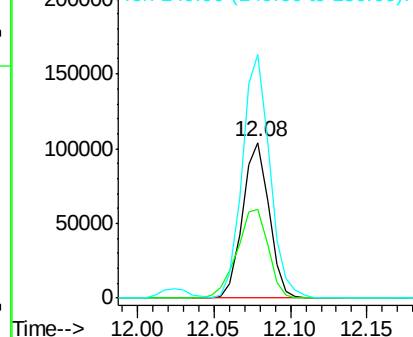
152 100

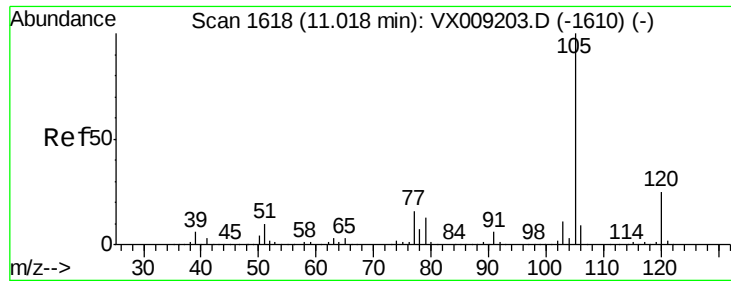
115 67.3 41.2 123.6

150 163.5 0.0 346.4



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





#73

Isopropylbenzene

Concen: 19.184 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX009667.D

Acq: 17 May 2019 17:21

Instrument :

MSVOA_X

ClientSampleId :

VX0517WBS03

Tot Ion: 105 Resp: 173415

Ion Ratio Lower Upper

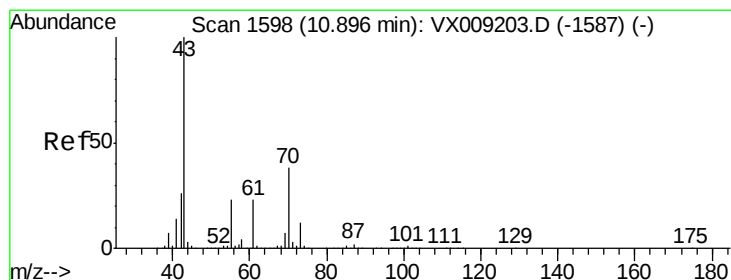
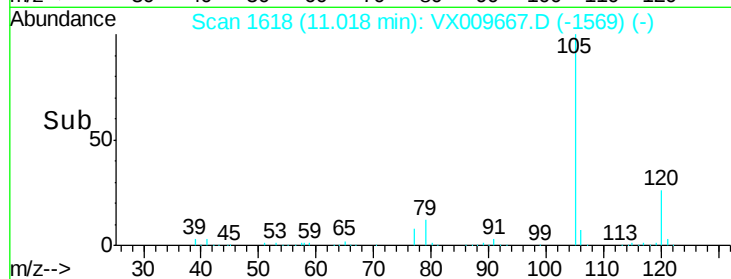
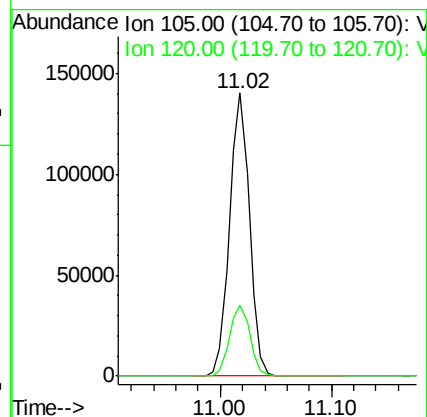
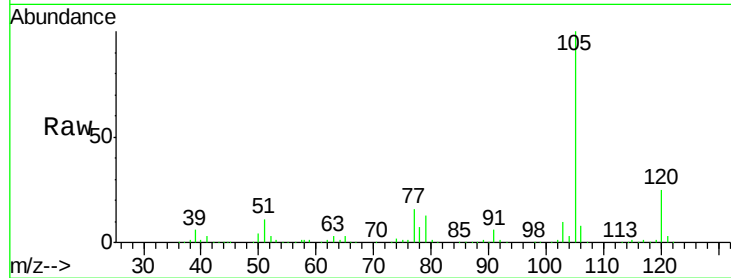
105 100

120 25.7 12.8 38.3

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#74

N-ethyl acetate

Concen: 19.922 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX009667.D

Acq: 17 May 2019 17:21

Tgt Ion: 43 Resp: 104992

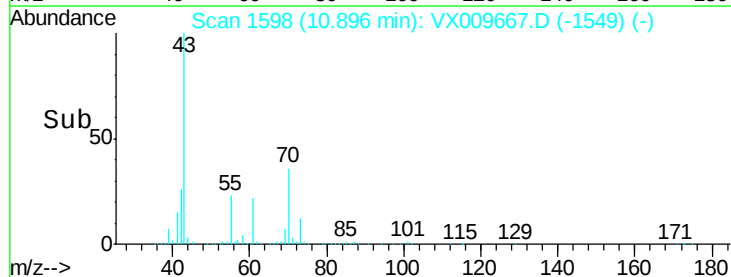
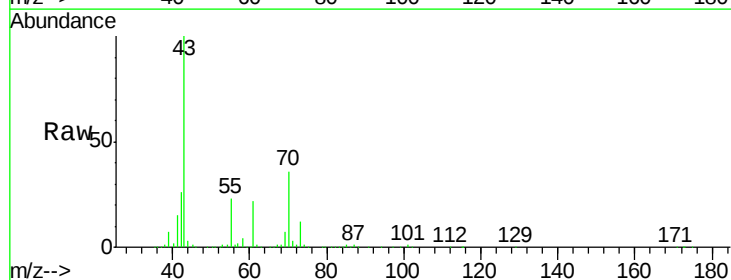
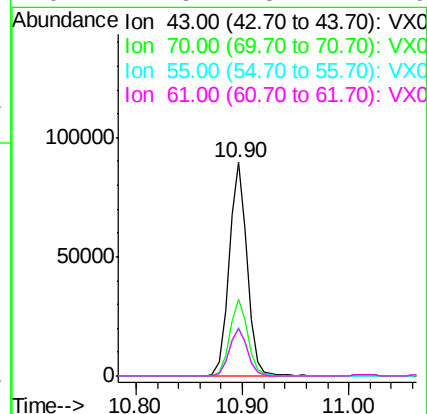
Ion Ratio Lower Upper

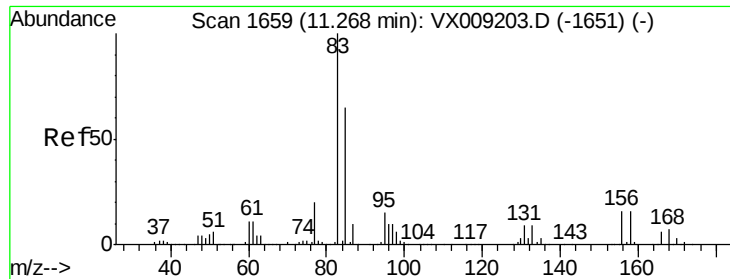
43 100

70 36.3 30.0 45.0

55 22.9 17.9 26.9

61 22.5 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.832 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX009667.D

Acq: 17 May 2019 17:21

Instrument :

MSVOA_X

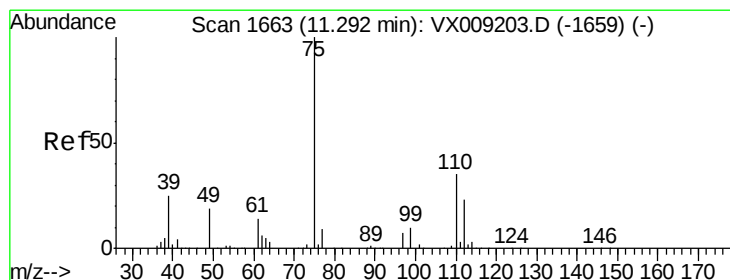
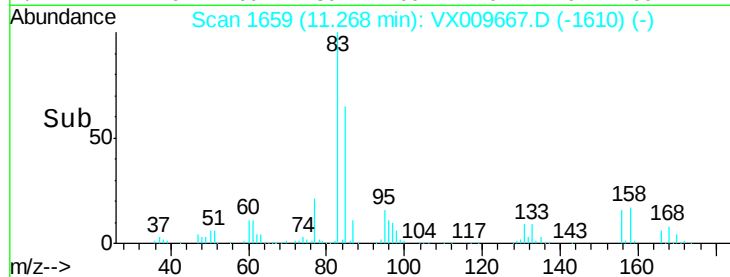
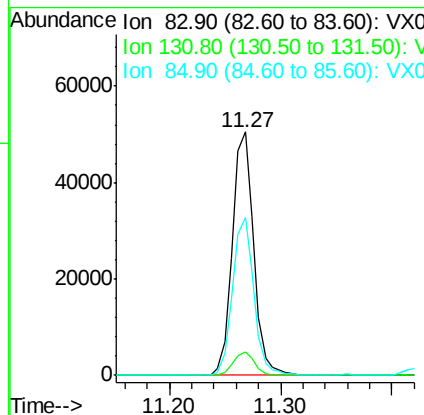
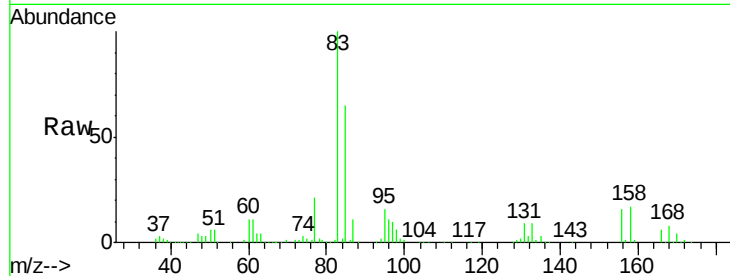
ClientSampleId :

VX0517WBS03

Tot Ion:	83	Resp:	66830
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.6	13.8
85	64.6	32.0	96.2

Manual Integrations
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5/20/2019 11:12:10 AM



#76

1,2,3-Trichloropropane

Concen: 19.998 ug/l m

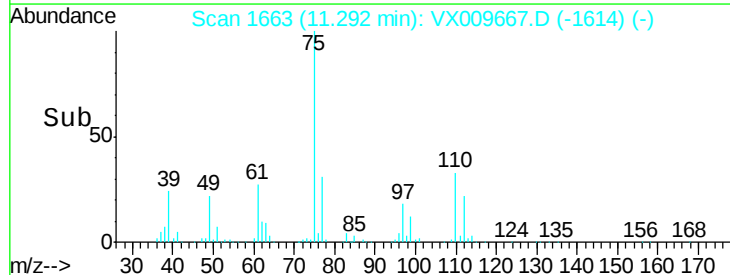
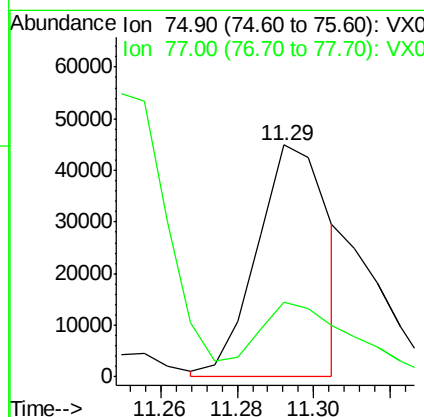
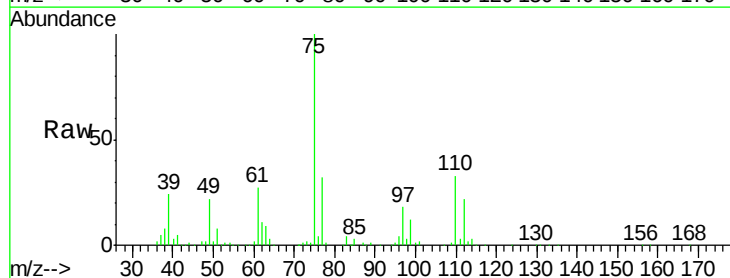
RT: 11.29 min Scan# 1663

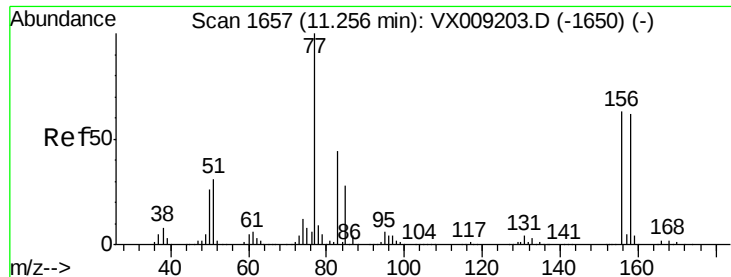
Delta R.T. 0.00 min

Lab File: VX009667.D

Acq: 17 May 2019 17:21

Tgt Ion:	75	Resp:	57665
Ion Ratio	Lower	Upper	
75	100		
77	43.5	22.1	66.1





#77

Bromobenzene

Concen: 19.094 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX009667.D

Acq: 17 May 2019 17:21

Instrument :

MSVOA_X

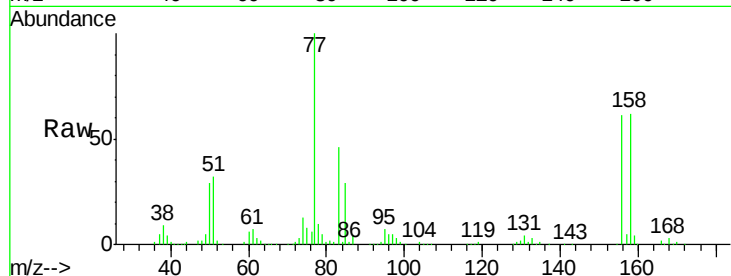
ClientSampleId :

VX0517WBS03

Tot Ion:	156	Resp:	42840
Ion	Ratio	Lower	Upper
156	100		
77	171.1	84.8	254.3
158	96.9	49.1	147.3

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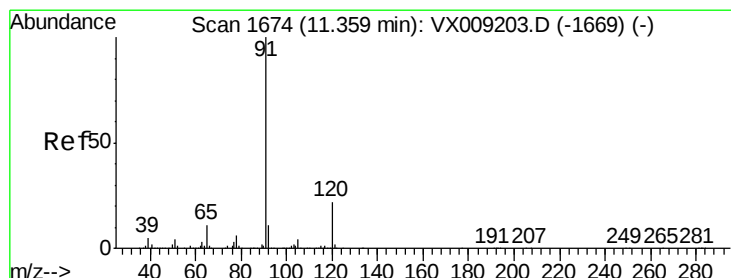
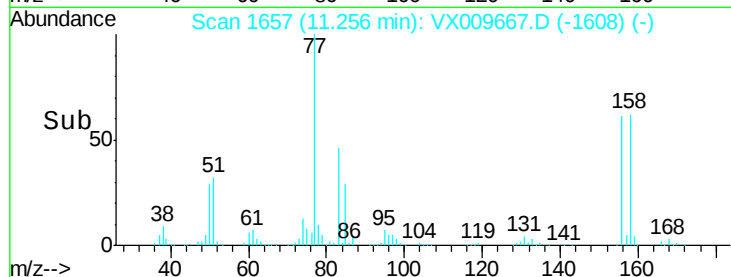
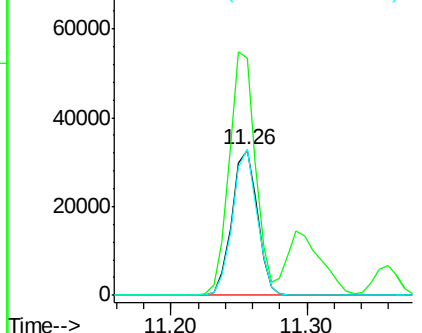
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.203 ug/l

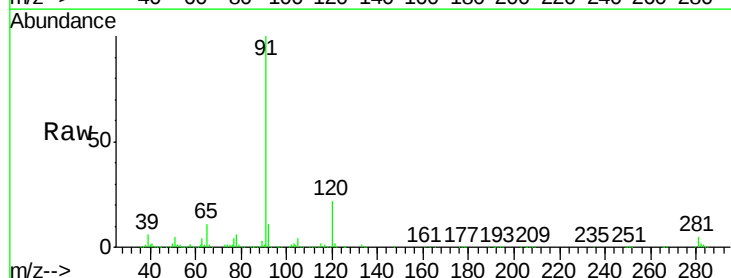
RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX009667.D

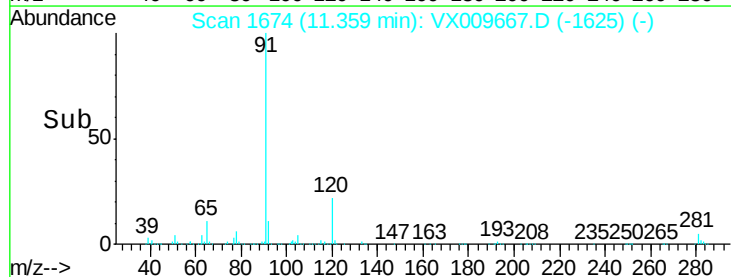
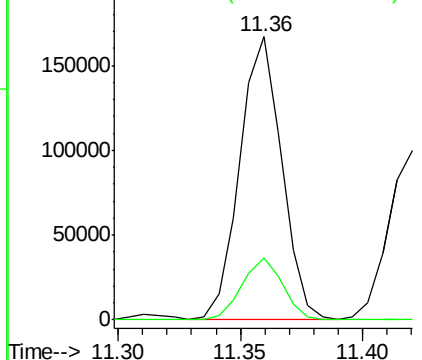
Acq: 17 May 2019 17:21

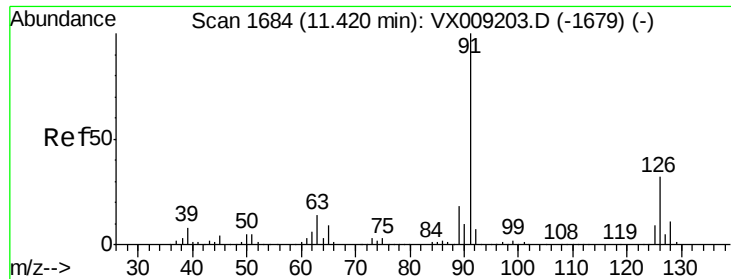
Tgt Ion:	91	Resp:	198240
Ion	Ratio	Lower	Upper
91	100		
120	21.6	11.0	33.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





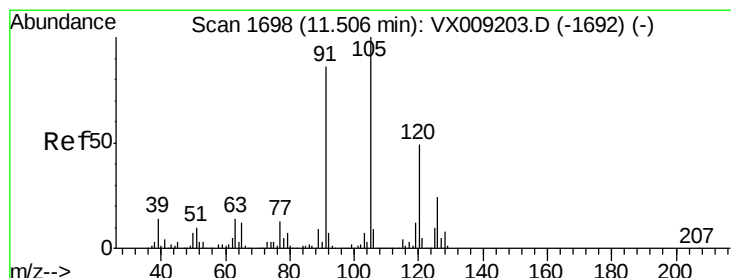
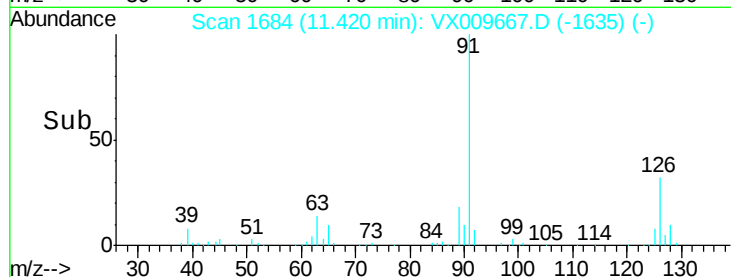
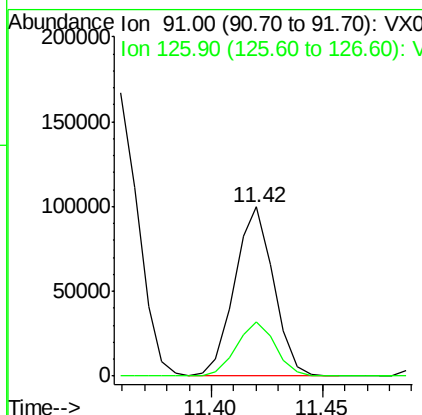
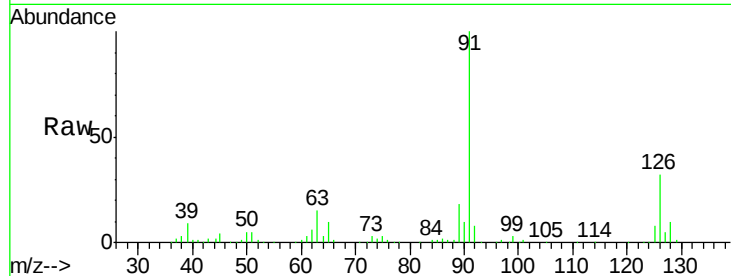
#79
 2-Chlorotoluene
 Concen: 19.071 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: VX009667.D
 Acq: 17 May 2019 17:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0517WBS03

Tot Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.3	48.9

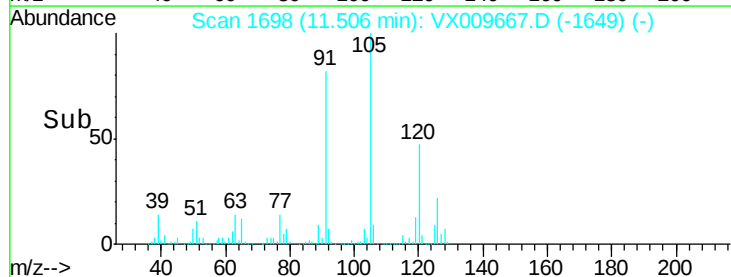
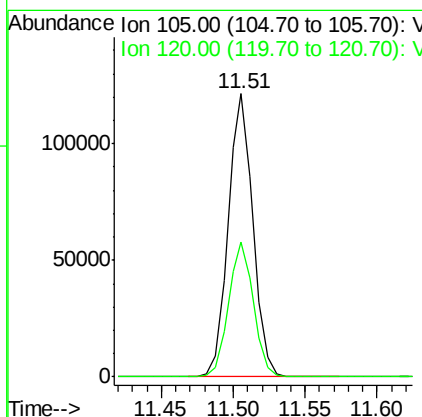
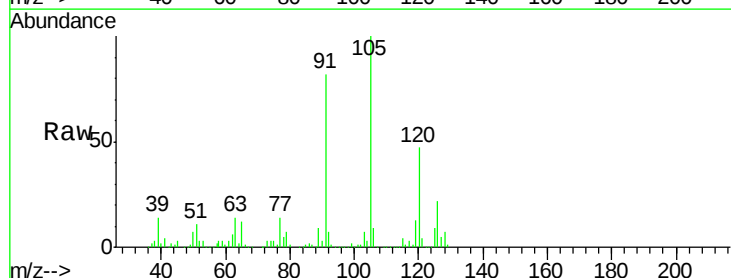
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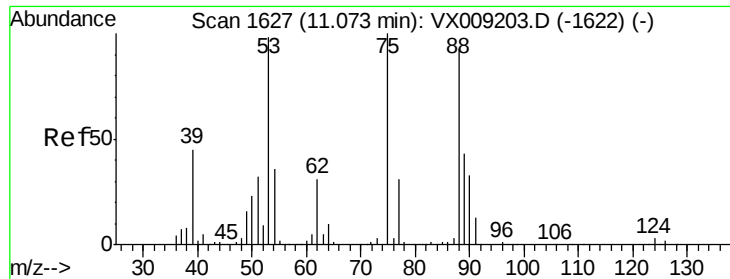
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#80
 1,3,5-Trimethylbenzene
 Concen: 19.260 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX009667.D
 Acq: 17 May 2019 17:21

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.0	24.3	72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 18.529 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX009667.D

Acq: 17 May 2019 17:21

Instrument :

MSVOA_X

ClientSampleId :

VX0517WBS03

Tot Ion: 75 Resp: 20882

Ion Ratio Lower Upper

75 100

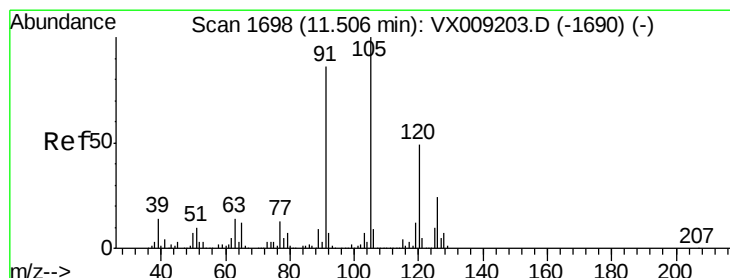
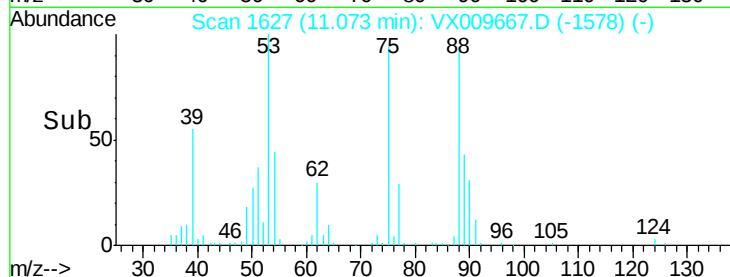
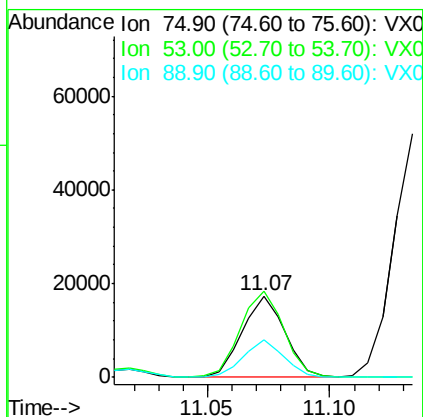
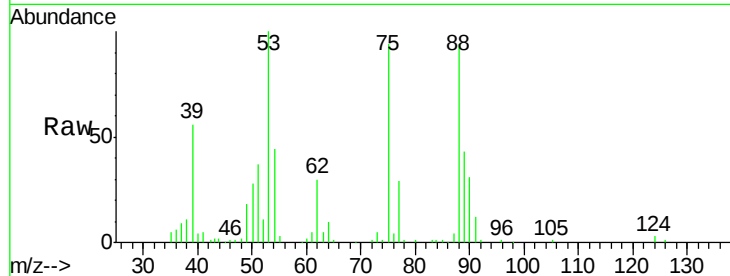
53 110.0 79.0 118.6

89 44.1 34.7 52.1

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#82

4-Chlorotoluene

Concen: 18.912 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.01 min

Lab File: VX009667.D

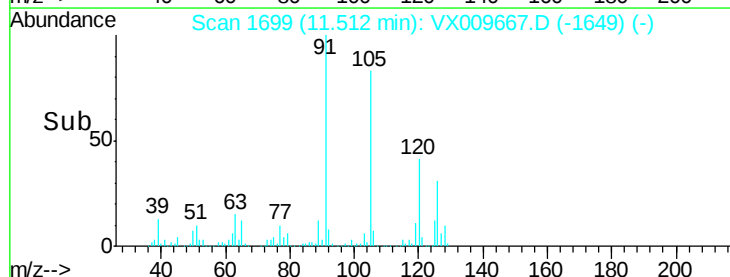
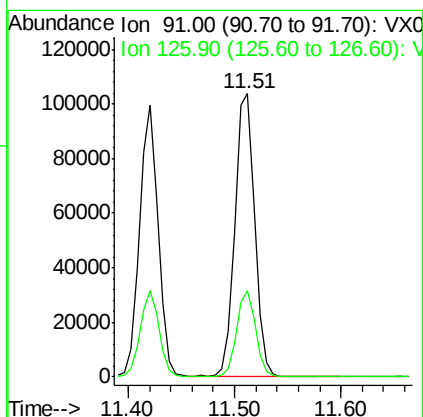
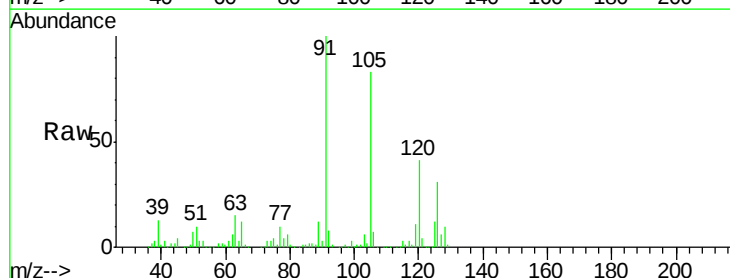
Acq: 17 May 2019 17:21

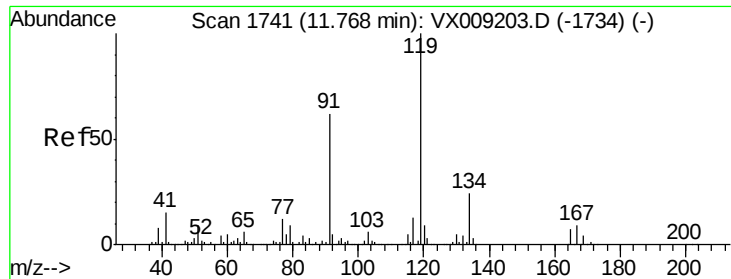
Tgt Ion: 91 Resp: 136081

Ion Ratio Lower Upper

91 100

126 29.3 14.5 43.6





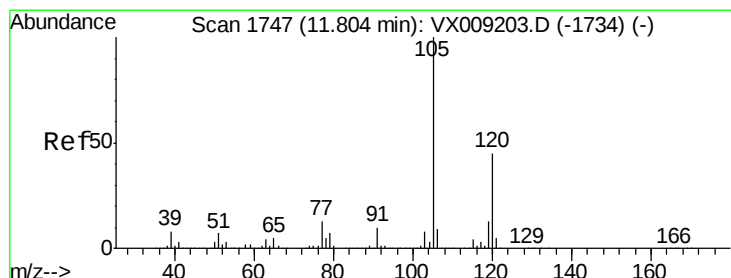
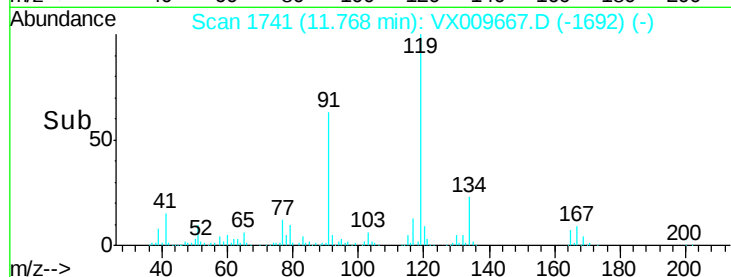
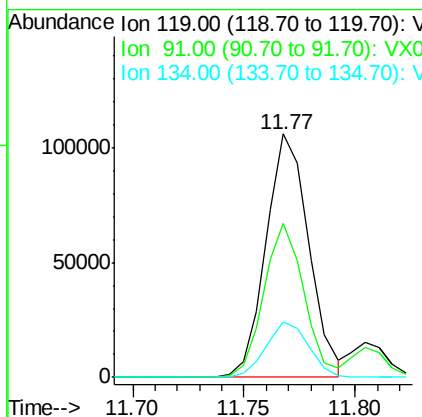
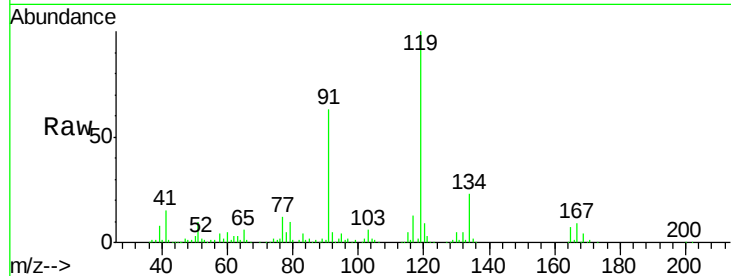
#83
tert-Butylbenzene
Concen: 19.045 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX009667.D
Acq: 17 May 2019 17:21

Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS03

Tot Ion	Ratio	Resp	Lower	Upper
119	100	141017		
91	59.7	29.5	88.5	
134	22.7	11.4	34.1	

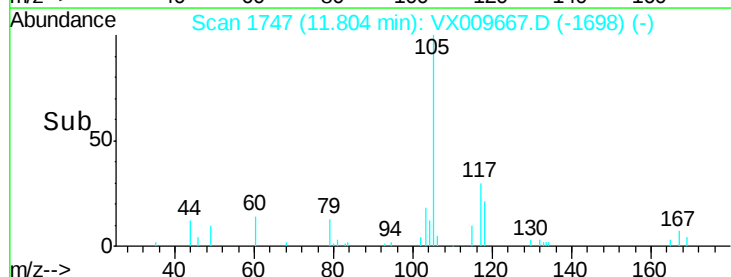
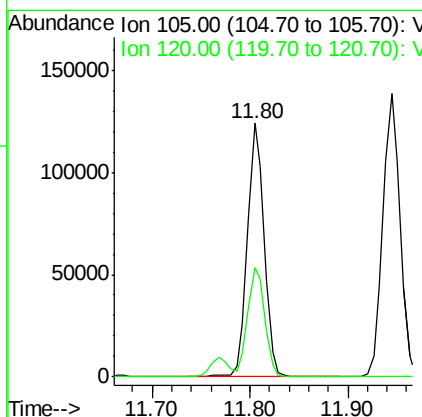
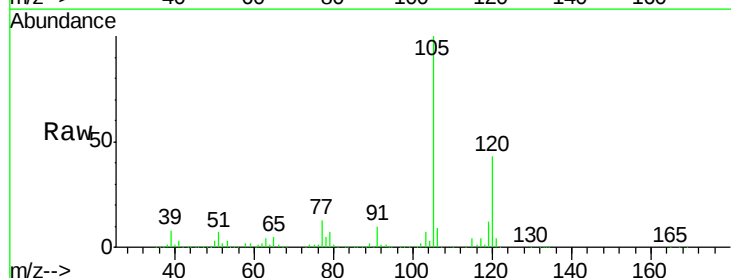
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#84
1,2,4-Trimethylbenzene
Concen: 19.342 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX009667.D
Acq: 17 May 2019 17:21

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	147770		
120	44.0	22.0	66.0	





#85

sec-Butylbenzene

Concen: 19.274 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX009667.D

Acq: 17 May 2019 17:21

Instrument :

MSVOA_X

ClientSampleId :

VX0517WBS03

Tot Ion:105 Resp: 169192

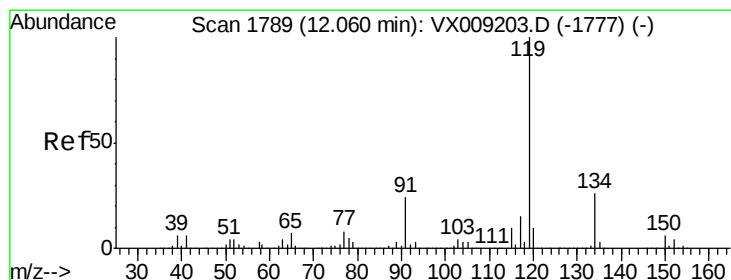
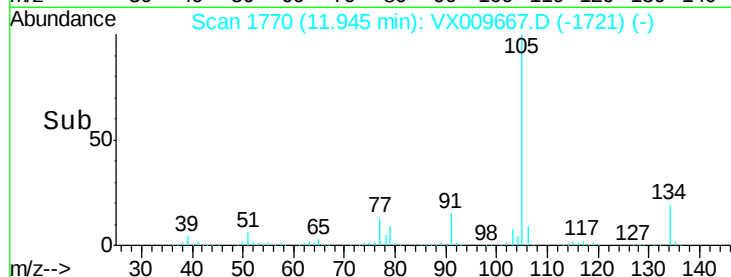
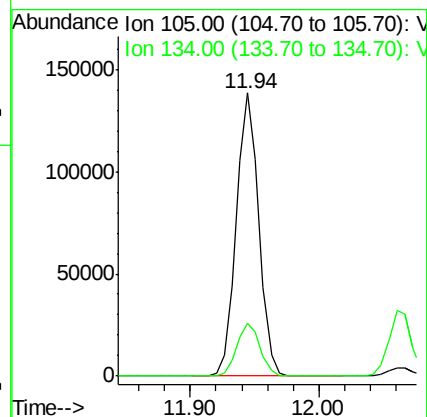
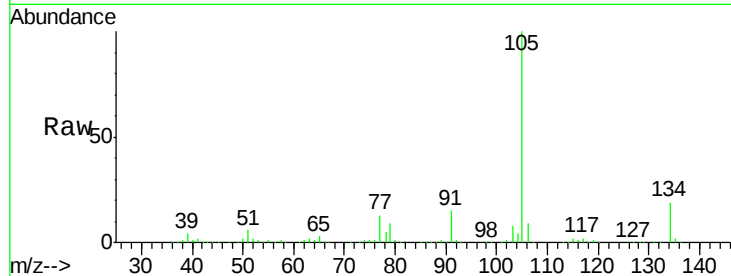
Ion Ratio Lower Upper

105 100

134 19.2 9.7 28.9

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#86

p-Isopropyltoluene

Concen: 19.365 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX009667.D

Acq: 17 May 2019 17:21

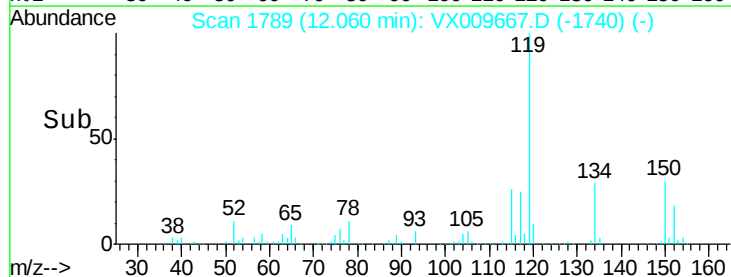
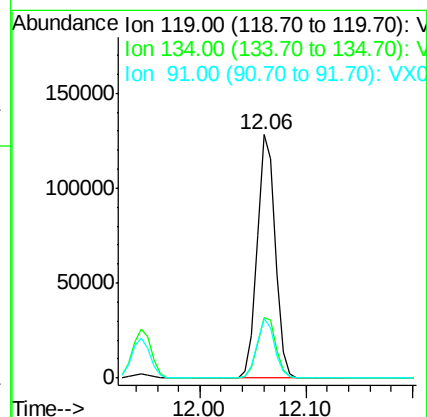
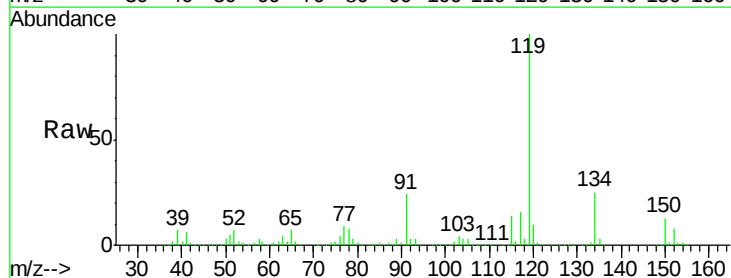
Tgt Ion:119 Resp: 152821

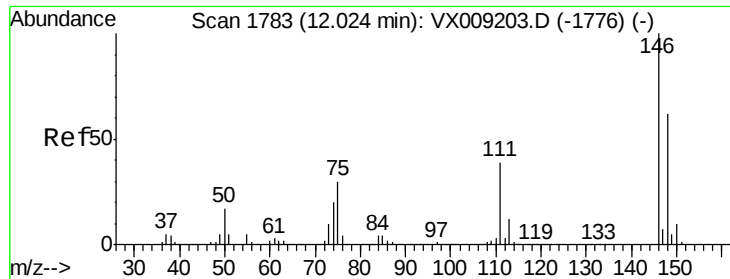
Ion Ratio Lower Upper

119 100

134 25.6 12.9 38.7

91 24.2 11.8 35.4





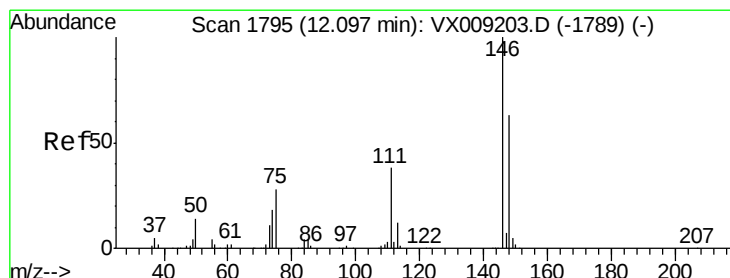
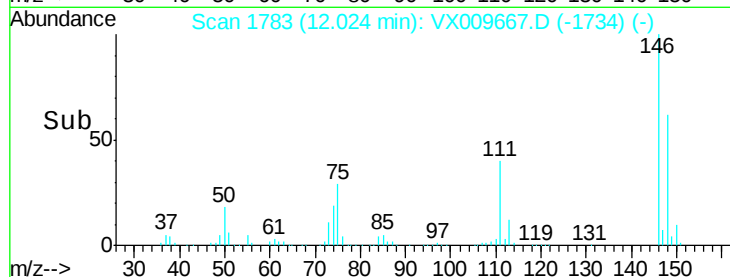
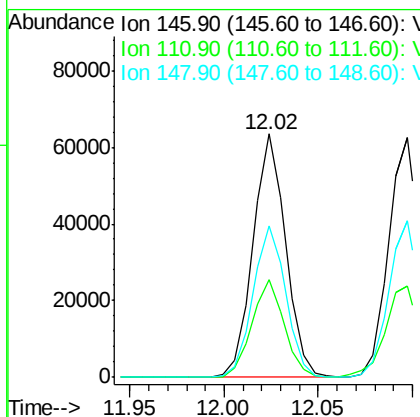
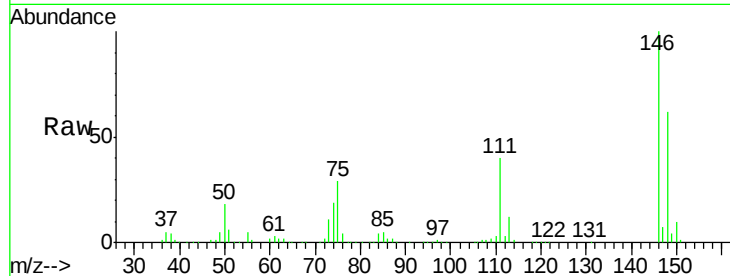
#87
 1,3-Dichlorobenzene
 Concen: 19.043 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX009667.D
 Acq: 17 May 2019 17:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0517WBS03

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.0	59.9
148	62.8	31.8	95.3

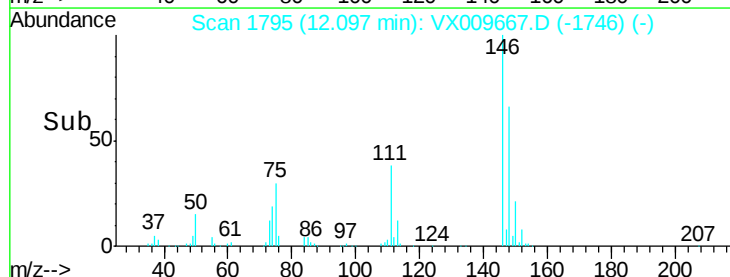
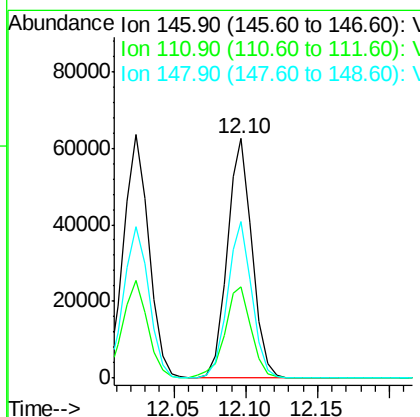
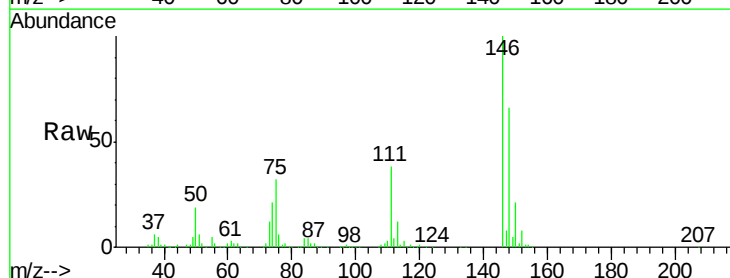
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#88
 1,4-Dichlorobenzene
 Concen: 18.695 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX009667.D
 Acq: 17 May 2019 17:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.7	19.6	58.8
148	64.7	31.8	95.3





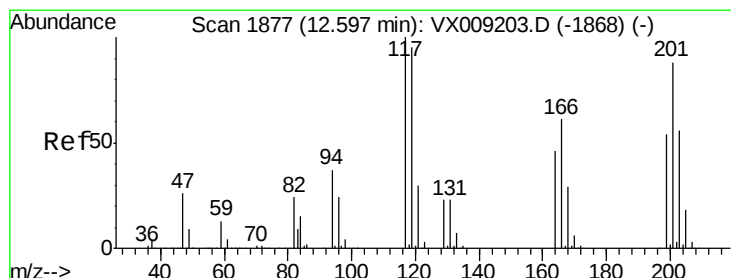
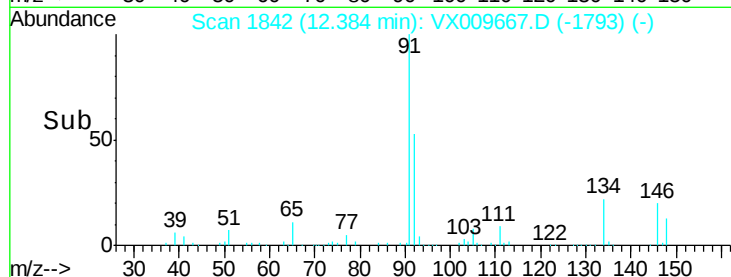
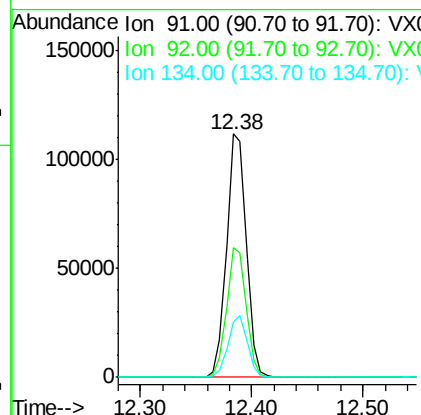
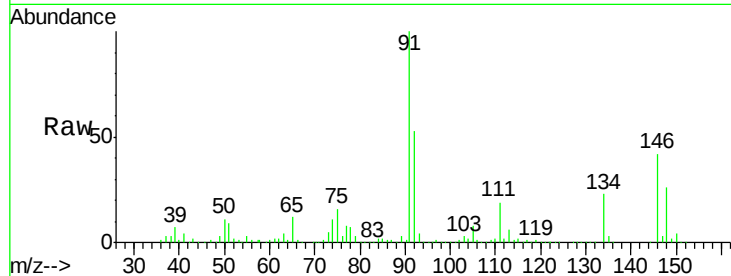
#89
n-Butylbenzene
Concen: 19.237 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX009667.D
Acq: 17 May 2019 17:21

Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS03

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.5	79.5
134	24.9	12.4	37.2

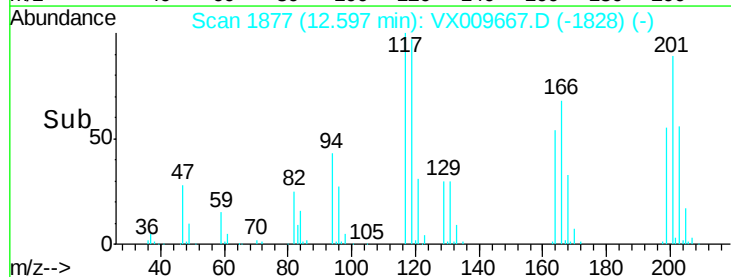
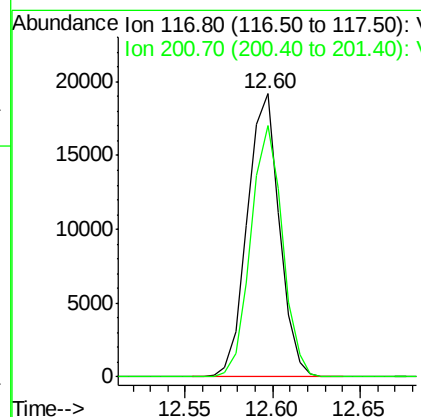
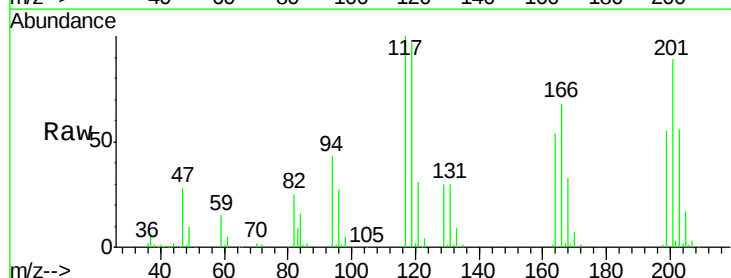
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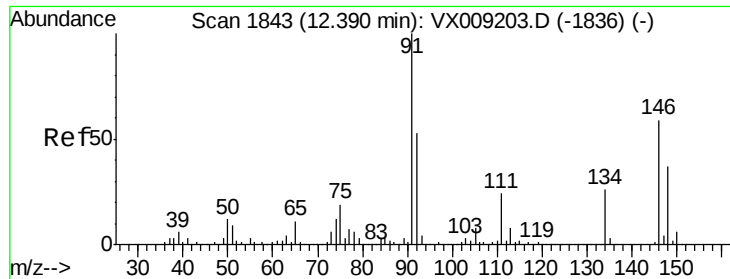
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#90
Hexachloroethane
Concen: 18.222 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX009667.D
Acq: 17 May 2019 17:21

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.5	42.3	126.9





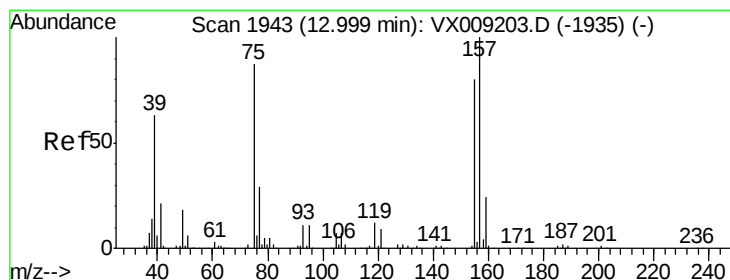
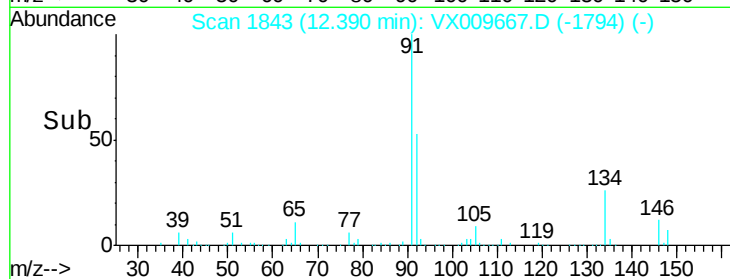
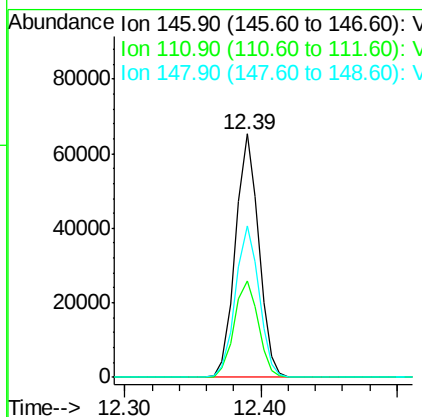
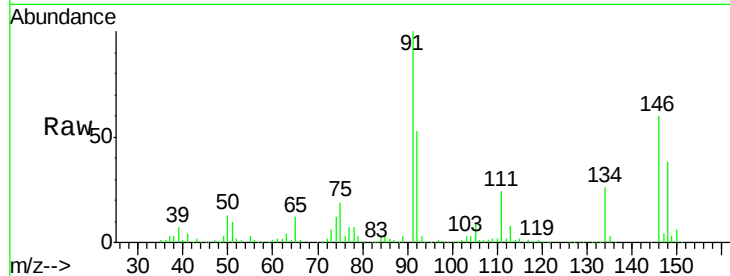
#91
 1,2-Dichlorobenzene
 Concen: 19.136 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX009667.D
 Acq: 17 May 2019 17:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0517WBS03

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.8	62.4
148	63.1	31.9	95.9

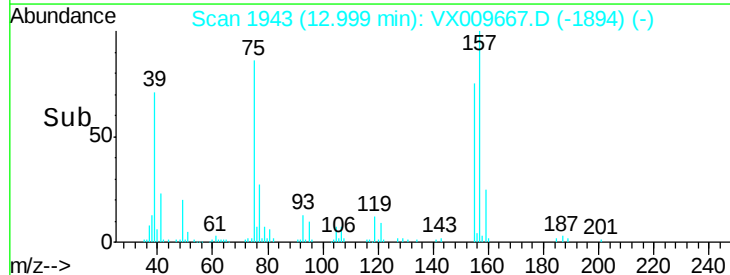
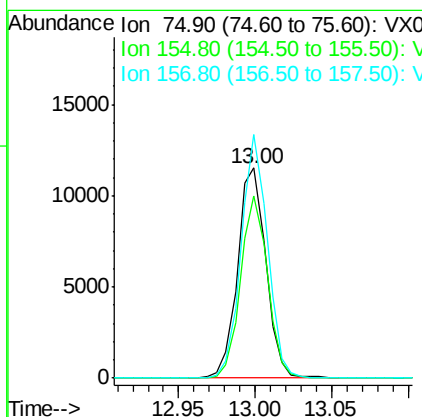
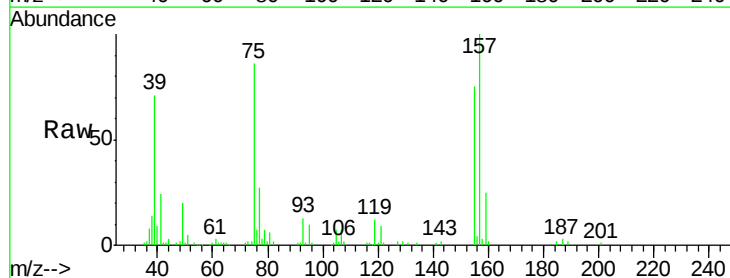
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.509 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX009667.D
 Acq: 17 May 2019 17:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.4	42.0	126.0
157	107.6	53.2	159.6





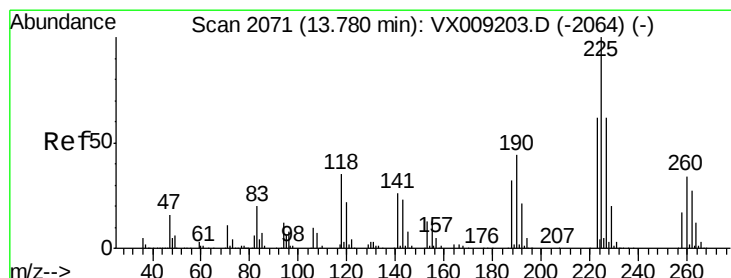
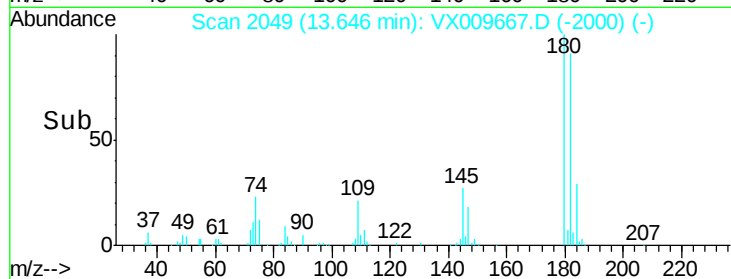
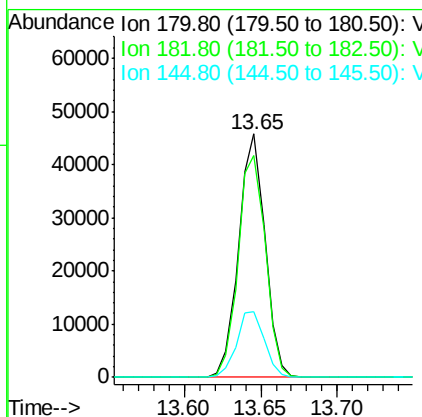
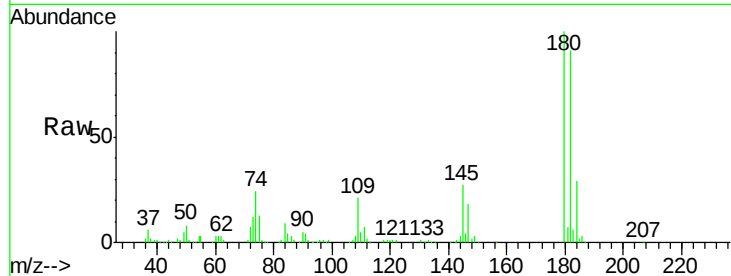
#93
 1,2,4-Trichlorobenzene
 Concen: 19.675 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX009667.D
 Acq: 17 May 2019 17:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0517WBS03

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	48.4	145.2
145	28.4	14.6	43.8

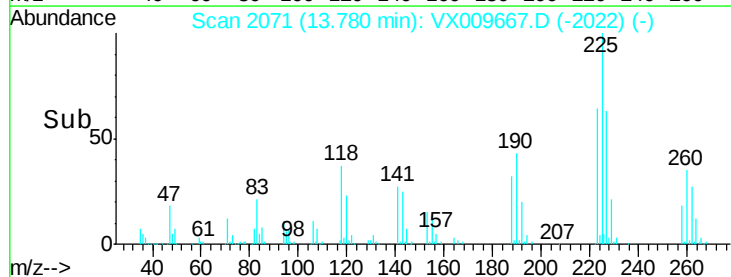
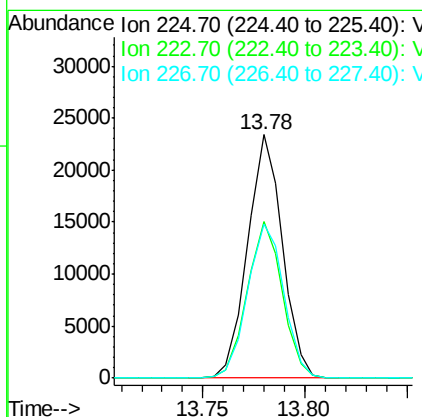
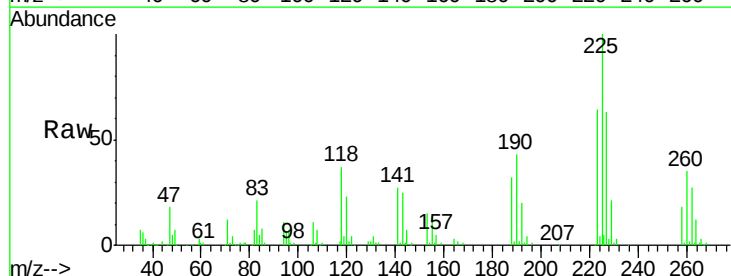
Manual Integrations
 APPROVED

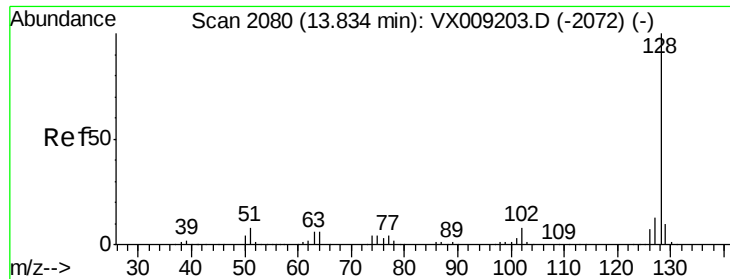
MMDadoda
 5/20/2019 11:12:10 AM



#94
 Hexachlorobutadiene
 Concen: 19.505 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX009667.D
 Acq: 17 May 2019 17:21

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.8	31.3	93.8
227	65.8	31.8	95.3





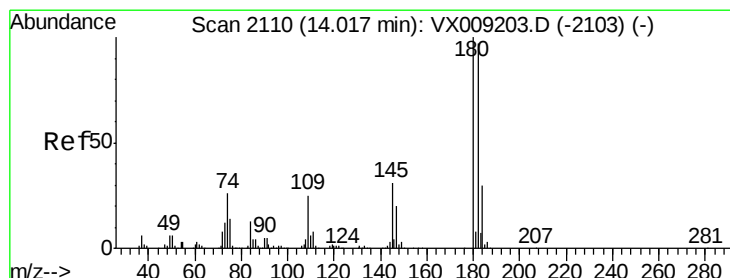
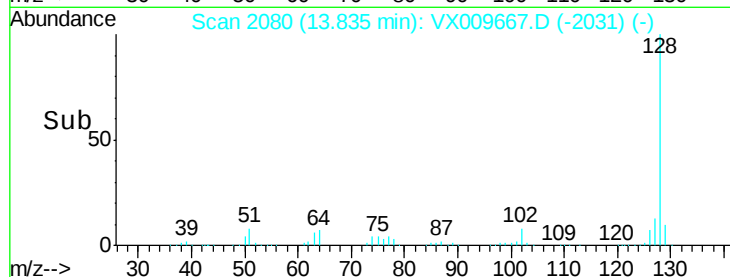
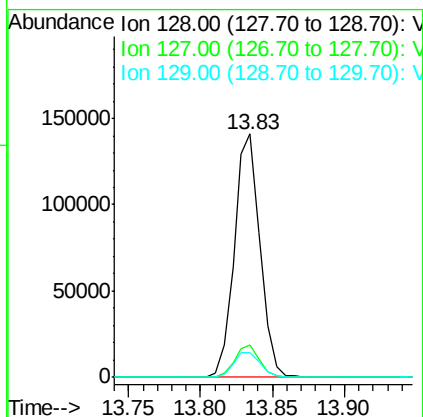
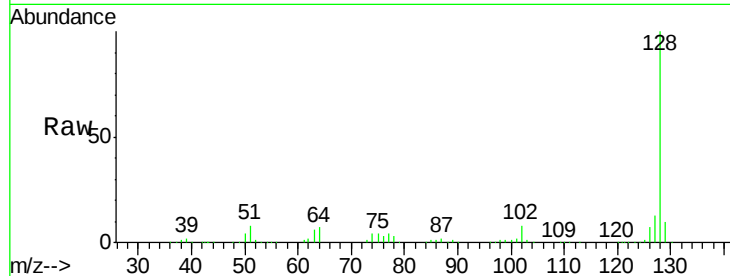
#95
Naphthalene
Concen: 19.328 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX009667.D
Acq: 17 May 2019 17:21

Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS03

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
5/20/2019 11:12:10 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.513 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX009667.D
Acq: 17 May 2019 17:21

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.8	143.4
145	30.3	15.4	46.4

