

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX051519\
 Data File : VX009589.D
 Acq On : 15 May 2019 18:44
 Operator : JC/SP
 Sample : VX0515WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0515WBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/16/2019 12:32:49 PM

Quant Time: May 16 02:18:47 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	5.66	168	145596	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	234682	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	211437	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	102920	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	95342	47.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.94%	
35) Dibromofluoromethane	5.50	113	70126	47.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.06%	
50) Toluene-d8	8.71	98	277543	46.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.20%	
62) 4-Bromofluorobenzene	11.13	95	100756	46.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	22969	17.119	ug/l	99
3) Chloromethane	1.32	50	36078	19.696	ug/l	99
4) Vinyl Chloride	1.40	62	34694	19.423	ug/l	98
5) Bromomethane	1.64	94	21895	20.423	ug/l	95
6) Chloroethane	1.71	64	22629	19.732	ug/l	99
7) Trichlorofluoromethane	1.93	101	43860	20.201	ug/l	94
8) Diethyl Ether	2.19	74	20343	19.780	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	27184	19.938	ug/l	99
10) Methyl Iodide	2.51	142	29913	21.741	ug/l	99
11) Tert butyl alcohol	3.05	59	51446	111.822	ug/l	98
12) 1,1-Dichloroethene	2.37	96	26950	19.728	ug/l	96
13) Acrolein	2.29	56	36274	87.060	ug/l	97
14) Allyl chloride	2.73	41	64290	19.311	ug/l	98
15) Acrylonitrile	3.14	53	119818	106.514	ug/l	100
16) Acetone	2.45	43	106014	99.335	ug/l	99
17) Carbon Disulfide	2.57	76	72843	18.992	ug/l	98
18) Methyl Acetate	2.78	43	52509	20.688	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	106960	20.162	ug/l	99
20) Methylene Chloride	2.85	84	34042	19.700	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	29146	19.673	ug/l	95
22) Diisopropyl ether	3.85	45	130227	20.340	ug/l	92
23) Vinyl Acetate	3.82	43	572357	104.397	ug/l	99
24) 1,1-Dichloroethane	3.70	63	62595	19.818	ug/l	100
25) 2-Butanone	4.67	43	178784	107.801	ug/l	98
26) 2,2-Dichloropropane	4.58	77	38694	16.459	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	35472	20.059	ug/l	98
28) Bromochloromethane	5.01	49	22208	15.580	ug/l	99
29) Tetrahydrofuran	5.13	42	117709	110.296	ug/l	100
30) Chloroform	5.21	83	58172	20.364	ug/l	100
31) Cyclohexane	5.58	56	58494	19.906	ug/l	93
32) 1,1,1-Trichloroethane	5.49	97	47150	19.828	ug/l	99
36) 1,1-Dichloropropene	5.81	75	42337	19.412	ug/l	99
37) Ethyl Acetate	4.84	43	65298	21.489	ug/l	98
38) Carbon Tetrachloride	5.79	117	38642	19.501	ug/l	98

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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)
39) Methylcyclohexane	7.46	83	51765	19.327	ug/l	98
40) Benzene	6.14	78	135534	20.080	ug/l	99
41) Methacrylonitrile	5.04	41	37085	20.502	ug/l	97
42) 1,2-Dichloroethane	6.20	62	51005	21.066	ug/l	99
43) Isopropyl Acetate	6.45	43	102400	21.068	ug/l	99
44) Trichloroethene	7.21	130	31801	19.489	ug/l	100
45) 1,2-Dichloropropane	7.51	63	38929	20.369	ug/l	98
46) Dibromomethane	7.66	93	22335	20.124	ug/l	99
47) Bromodichloromethane	7.90	83	43423	19.614	ug/l	99
48) Methyl methacrylate	7.77	41	50394	20.898	ug/l	98
49) 1,4-Dioxane	7.74	88	21872	447.248	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	344692	108.498	ug/l	100
52) Toluene	8.79	92	83196	20.277	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	47813	19.129	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	53709	19.414	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	34202	20.433	ug/l	97
56) Ethyl methacrylate	9.18	69	61012	20.419	ug/l	98
57) 1,3-Dichloropropane	9.37	76	59806	20.304	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	146280	92.285	ug/l	100
59) 2-Hexanone	9.49	43	270509	108.415	ug/l	97
60) Dibromochloromethane	9.58	129	32019	19.585	ug/l	99
61) 1,2-Dibromoethane	9.67	107	34602	20.479	ug/l	99
64) Tetrachloroethene	9.34	164	29748	20.511	ug/l	95
65) Chlorobenzene	10.14	112	85331	20.174	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	30345	19.789	ug/l	99
67) Ethyl Benzene	10.25	91	155087	19.923	ug/l	100
68) m/p-Xylenes	10.36	106	115027	40.437	ug/l	99
69) o-Xylene	10.69	106	56226	20.033	ug/l	100
70) Styrene	10.71	104	96268	19.735	ug/l	98
71) Bromoform	10.85	173	24504	19.664	ug/l #	97
73) Isopropylbenzene	11.02	105	148679	19.866	ug/l	99
74) N-amyl acetate	10.90	43	89320	20.470	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	56867	20.382	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	49445m	20.711	ug/l	
77) Bromobenzene	11.26	156	37183	20.017	ug/l	99
78) n-propylbenzene	11.36	91	167248	19.567	ug/l	100
79) 2-Chlorotoluene	11.42	91	102683	19.472	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	127243	20.192	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	17145	18.375	ug/l	93
82) 4-Chlorotoluene	11.51	91	117048	19.648	ug/l	99
83) tert-Butylbenzene	11.77	119	118706	19.364	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	126145	19.943	ug/l	100
85) sec-Butylbenzene	11.94	105	142707	19.635	ug/l	100
86) p-Isopropyltoluene	12.06	119	127469	19.509	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	64720	19.544	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	65277	19.552	ug/l	98
89) n-Butylbenzene	12.38	91	109984	18.624	ug/l	100
90) Hexachloroethane	12.59	117	21015	18.879	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	66682	19.770	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	13767	21.996	ug/l	95

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Instrument :
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ClientSampleId :
VX0515WBSD01

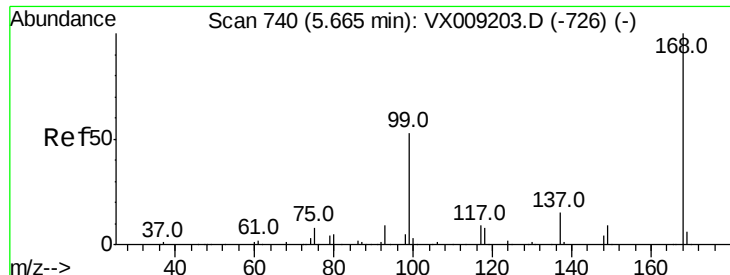
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	44509	19.297	ug/l	100
94) Hexachlorobutadiene	13.78	225	22934	19.471	ug/l	98
95) Naphthalene	13.83	128	155074	20.665	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	47174	20.177	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009589.D

Acq: 15 May 2019 18:44

Instrument :

MSVOA_X

ClientSampleId :

VX0515WBSD01

Tot Ion:168 Resp: 145596

Ion Ratio Lower Upper

168 100

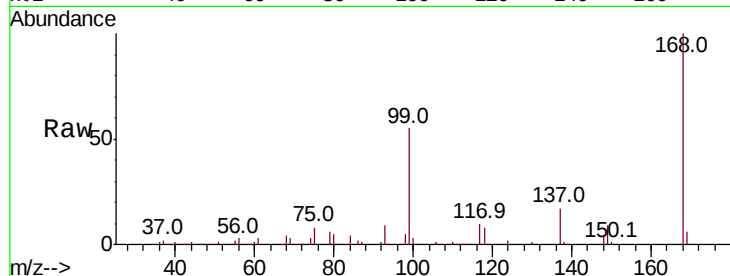
99 55.0 42.3 63.5

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

60000

50000

40000

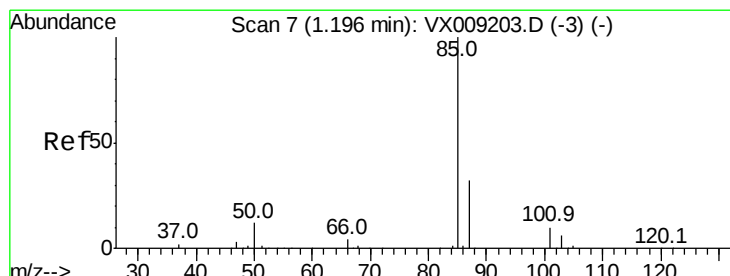
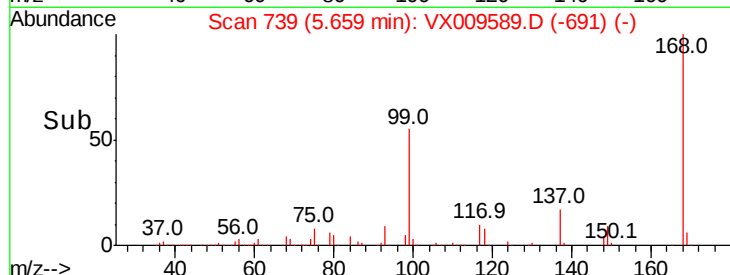
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 17.119 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX009589.D

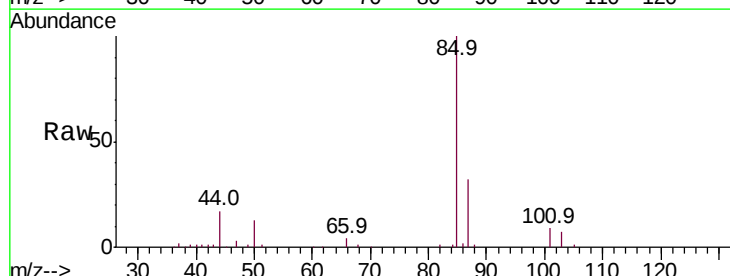
Acq: 15 May 2019 18:44

Tgt Ion: 85 Resp: 22969

Ion Ratio Lower Upper

85 100

87 31.7 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

20000

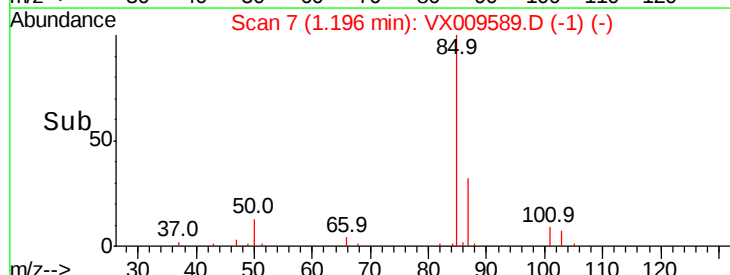
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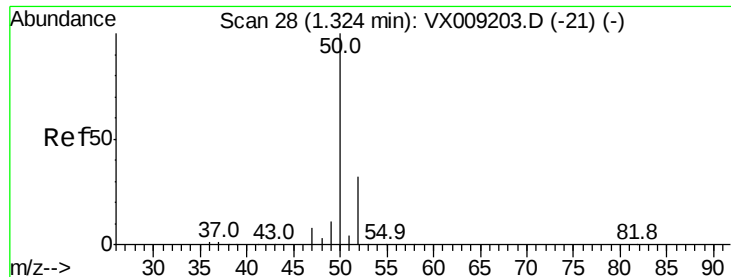
10000

5000

0

Time--> 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 19.696 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009589.D

Acq: 15 May 2019 18:44

Instrument :

MSVOA_X

ClientSampled :

VX0515WBSD01

Tot Ion: 50 Resp: 36078

Ion Ratio Lower Upper

50 100

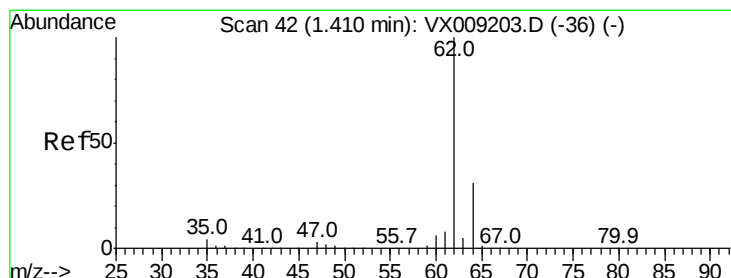
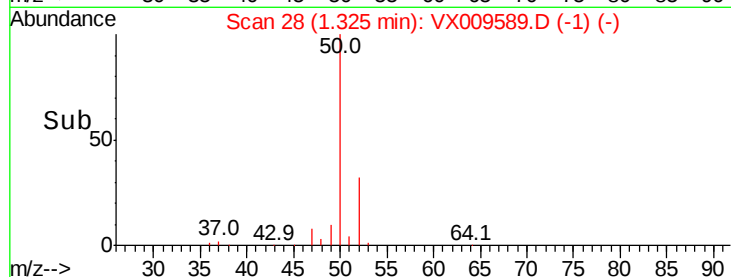
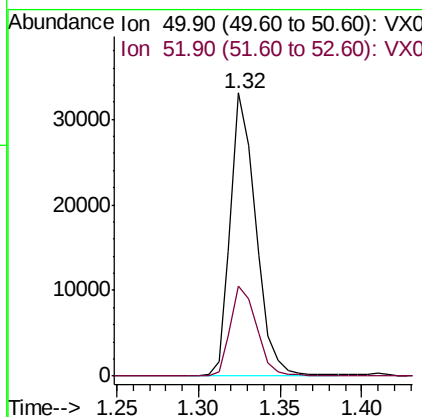
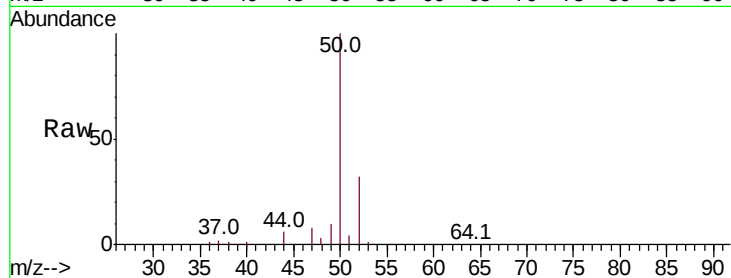
52 31.8 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.423 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX009589.D

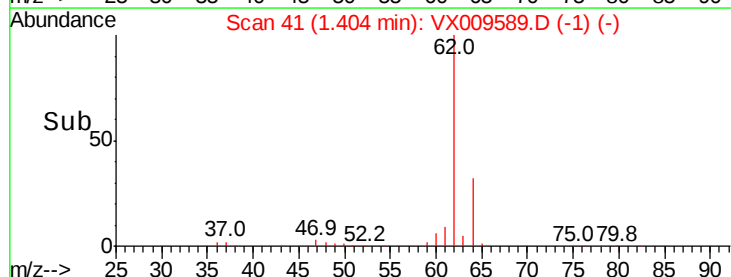
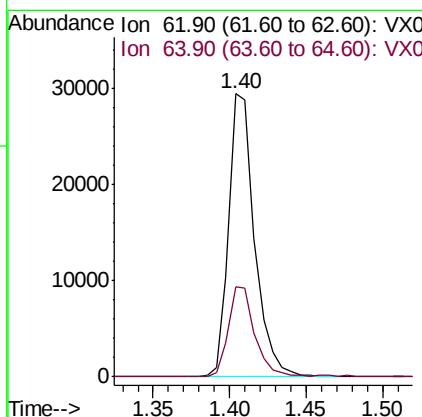
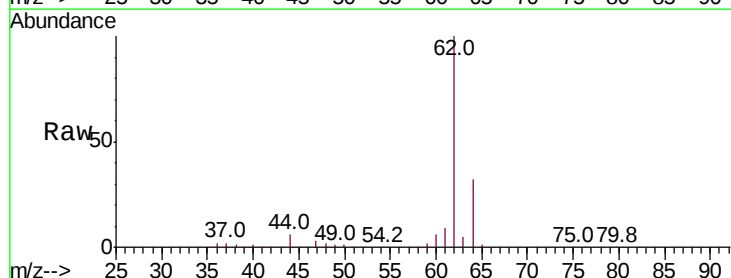
Acq: 15 May 2019 18:44

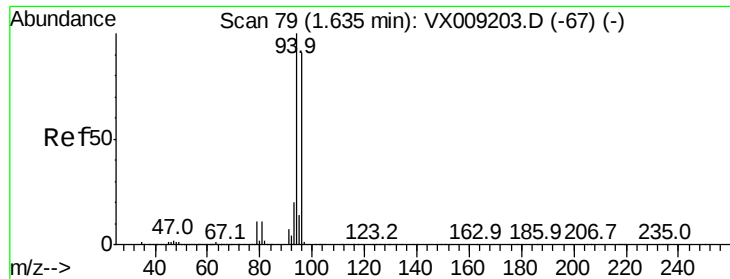
Tgt Ion: 62 Resp: 34694

Ion Ratio Lower Upper

62 100

64 31.7 24.6 36.8





#5

Bromomethane

Concen: 20.423 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009589.D

Acq: 15 May 2019 18:44

Instrument :

MSVOA_X

ClientSampleId :

VX0515WBSD01

Tot Ion: 94 Resp: 21895

Ion Ratio Lower Upper

94 100

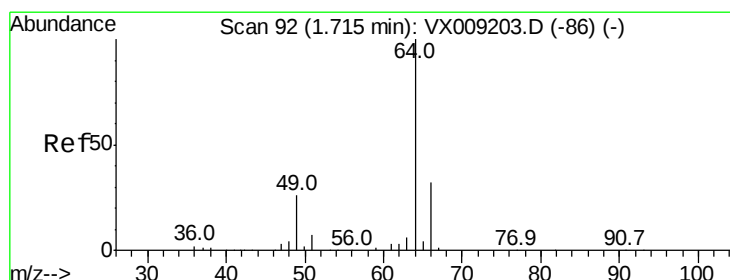
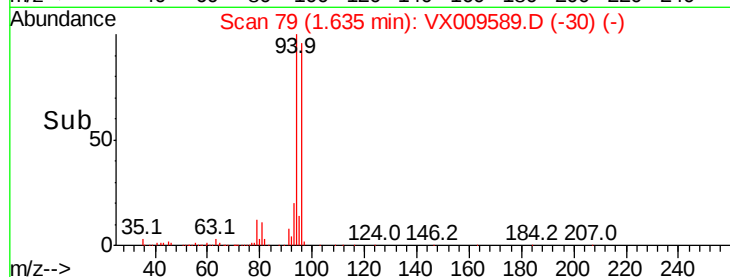
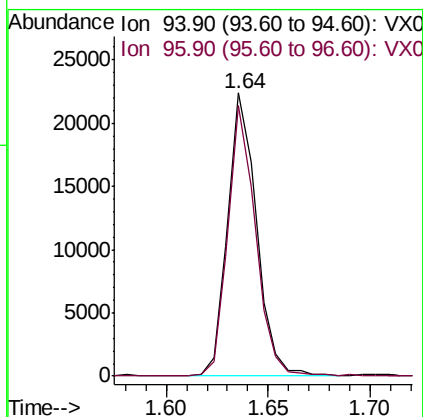
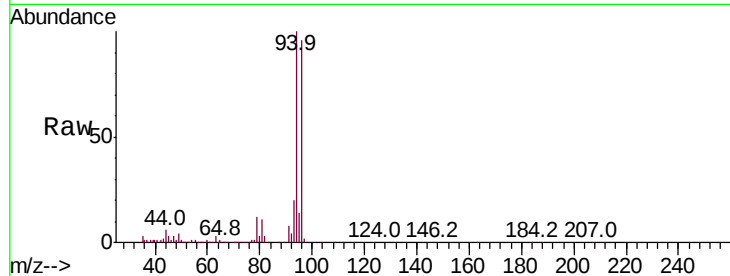
96 95.7 73.0 109.6

Manual Integrations

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#6

Chloroethane

Concen: 19.732 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX009589.D

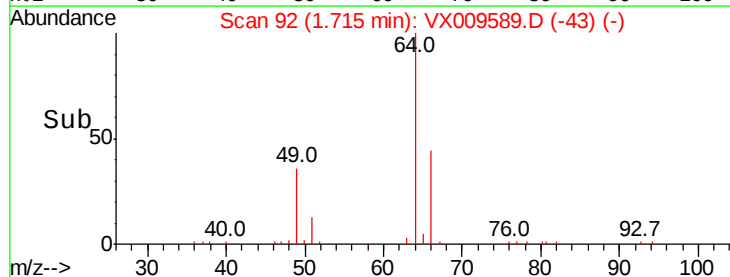
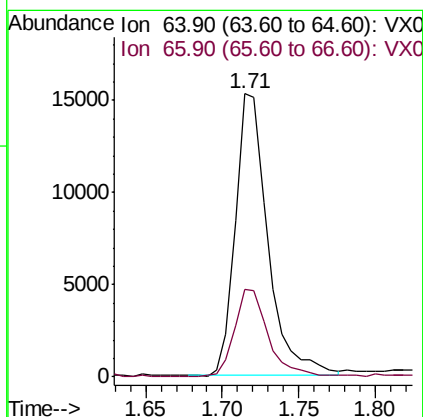
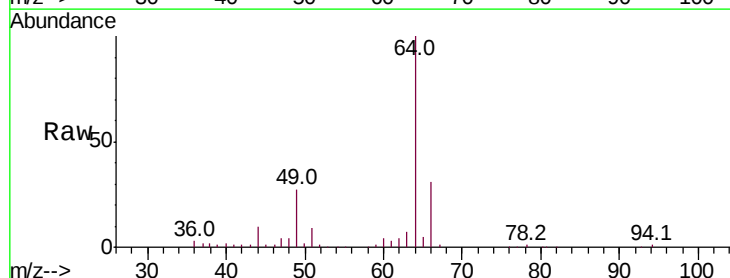
Acq: 15 May 2019 18:44

Tgt Ion: 64 Resp: 22629

Ion Ratio Lower Upper

64 100

66 31.2 25.3 37.9





#7

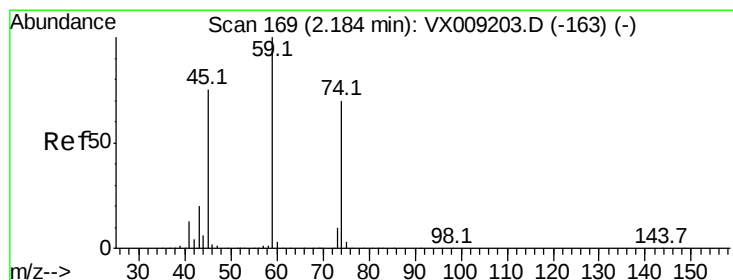
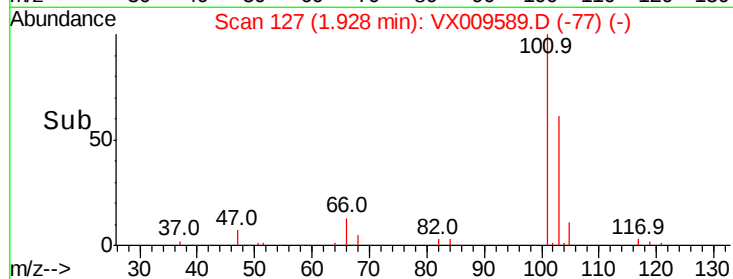
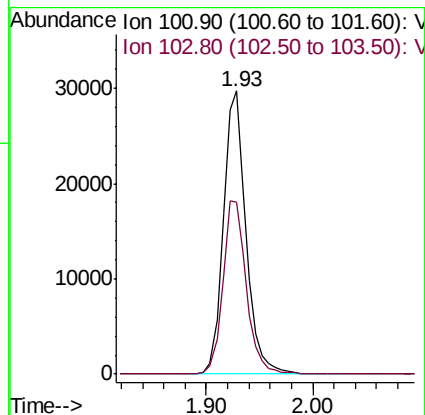
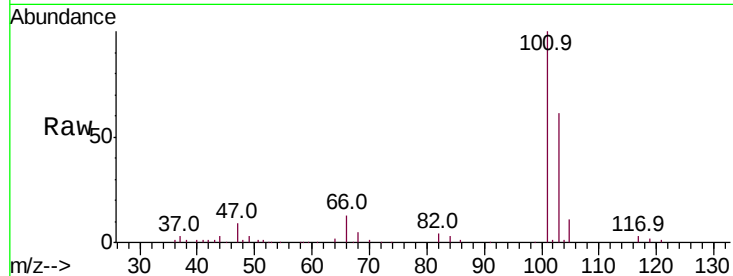
Trichlorofluoromethane
 Concen: 20.201 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX009589.D
 Acq: 15 May 2019 18:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0515WBSD01

Tot Ion:101 Resp: 43860
 Ion Ratio Lower Upper
 101 100
 103 60.6 52.4 78.6

Manual Integrations
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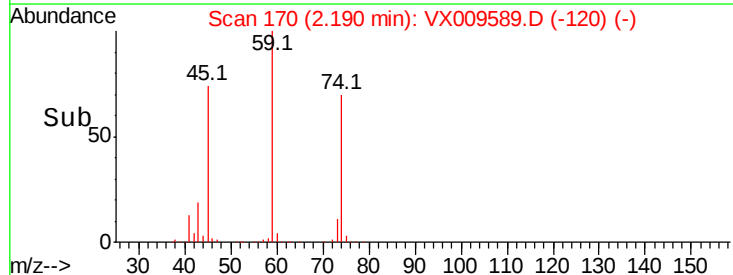
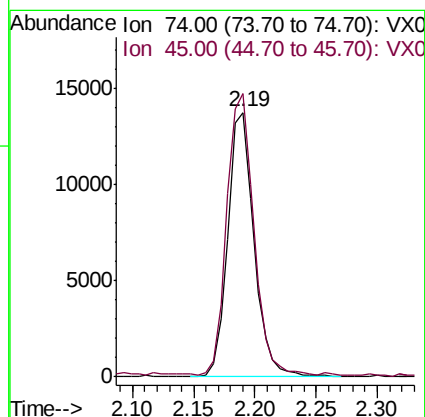
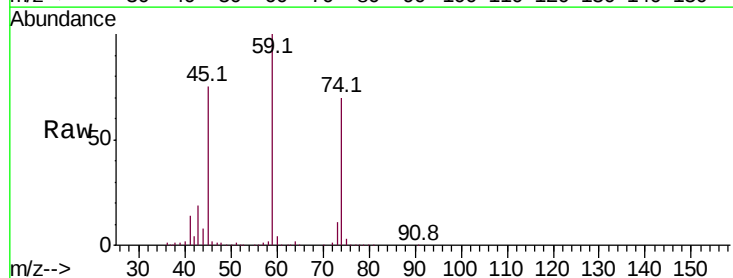
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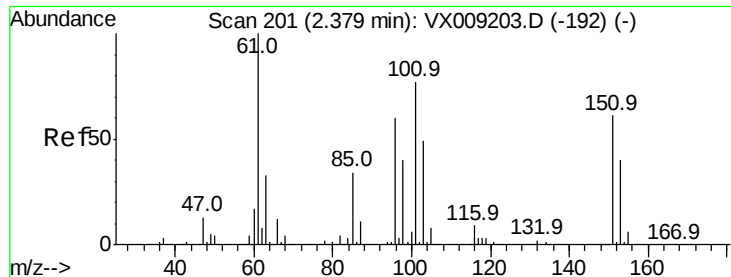


#8

Diethyl Ether
 Concen: 19.780 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX009589.D
 Acq: 15 May 2019 18:44

Tgt Ion: 74 Resp: 20343
 Ion Ratio Lower Upper
 74 100
 45 108.7 53.3 159.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.938 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX009589.D

Acq: 15 May 2019 18:44

Instrument :

MSVOA_X

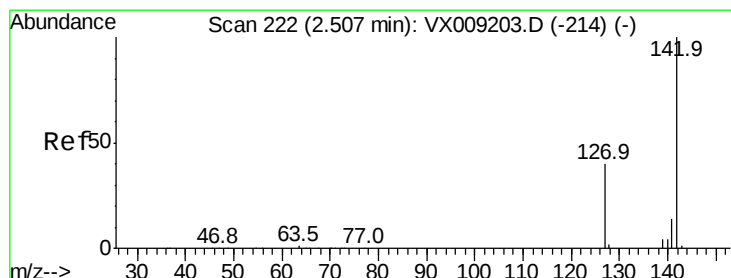
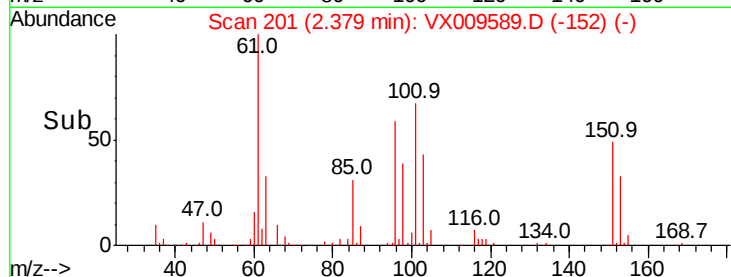
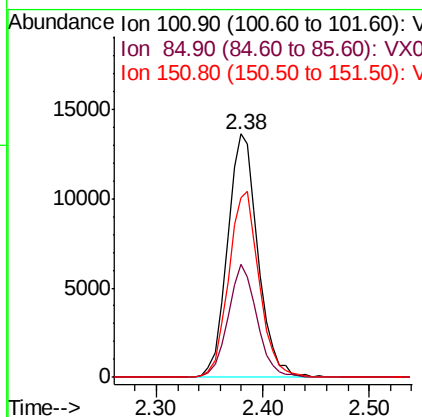
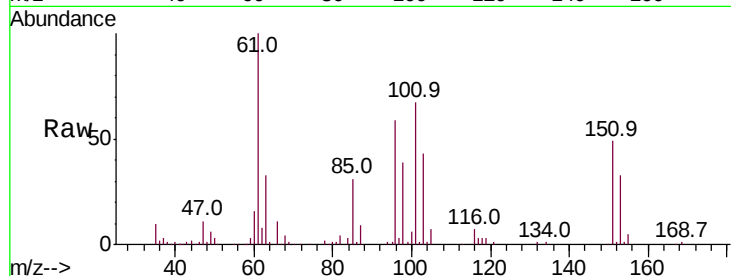
ClientSampleId :

VX0515WBSD01

Tot Ion:	101	Resp:	27184
Ion Ratio	Lower	Upper	
101	100		
85	44.3	35.7	53.5
151	76.8	62.2	93.2

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#10

Methyl Iodide

Concen: 21.741 ug/l

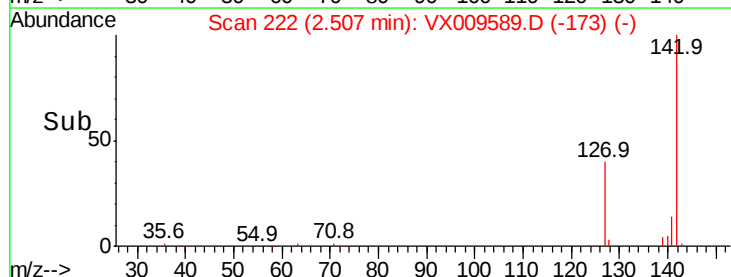
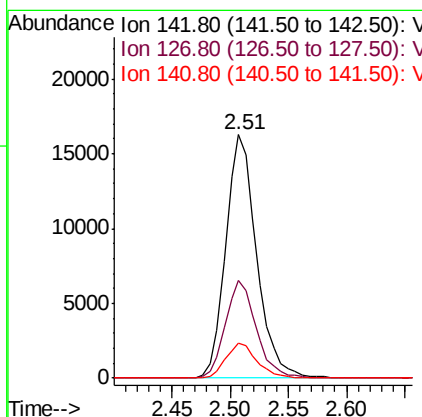
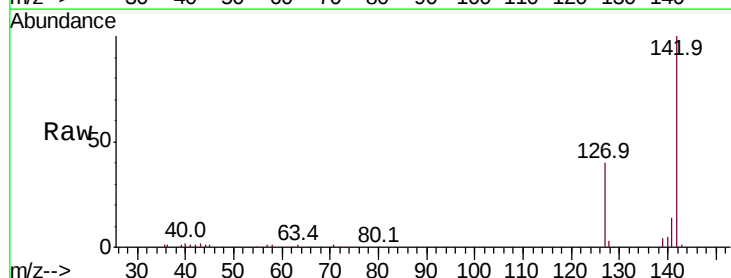
RT: 2.51 min Scan# 222

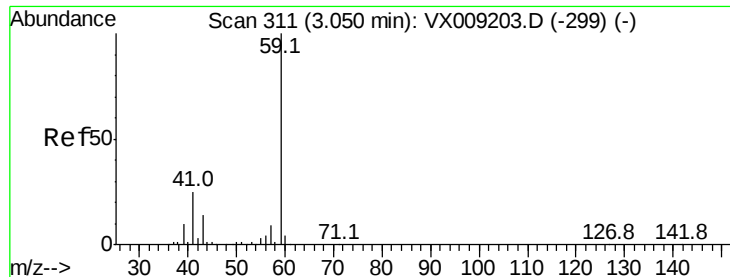
Delta R.T. 0.00 min

Lab File: VX009589.D

Acq: 15 May 2019 18:44

Tgt Ion:	142	Resp:	29913
Ion Ratio	Lower	Upper	
142	100		
127	40.3	32.7	49.1
141	14.3	11.5	17.3





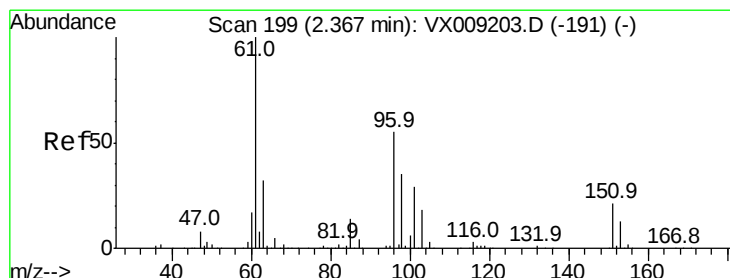
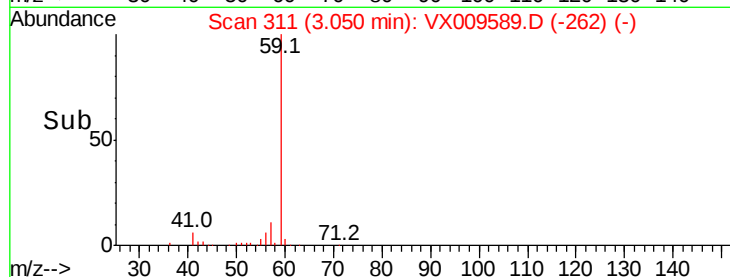
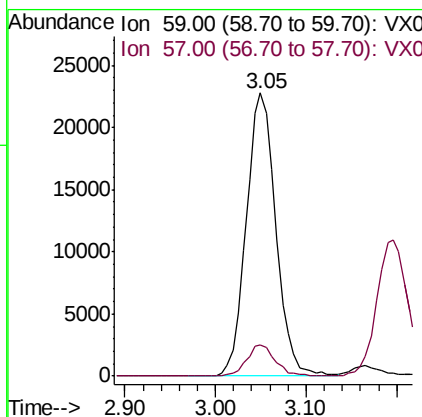
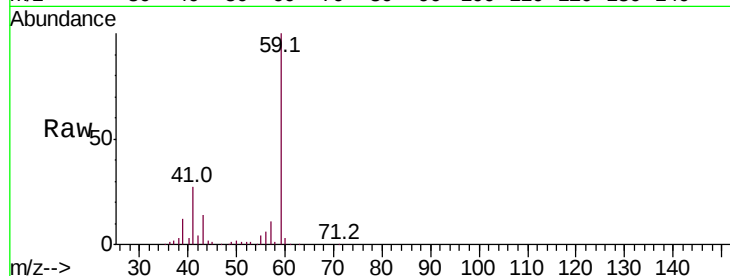
#11
Tert butyl alcohol
Concen: 111.822 ug/l
RT: 3.05 min Scan# 311
Delta R.T. 0.00 min
Lab File: VX009589.D
Acq: 15 May 2019 18:44

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

Tot Ion: 59 Resp: 51446
Ion Ratio Lower Upper
59 100
57 10.8 8.2 12.2

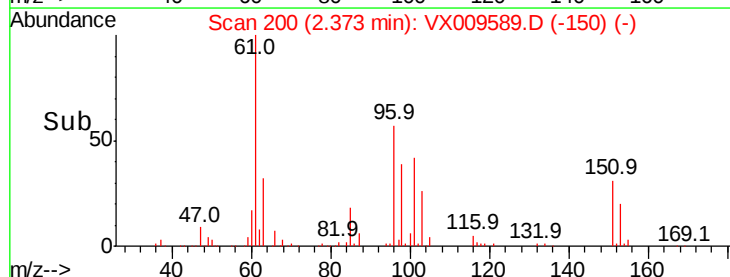
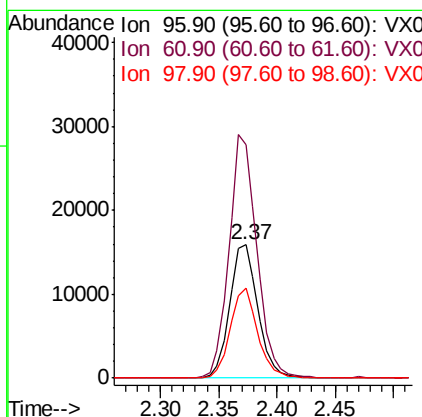
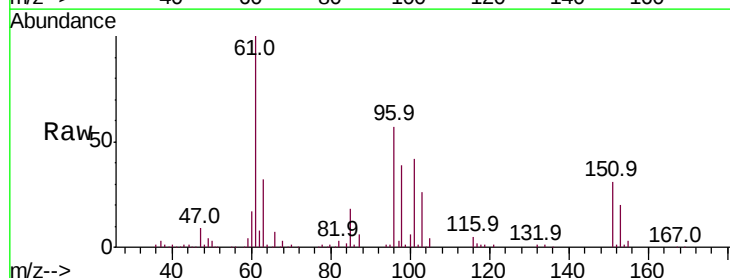
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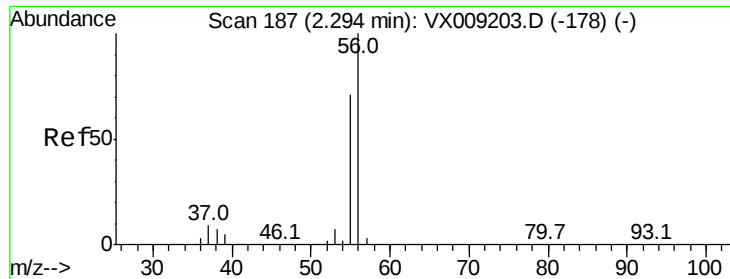
MMDadoda
5/16/2019 12:32:49 PM



#12
1,1-Dichloroethene
Concen: 19.728 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX009589.D
Acq: 15 May 2019 18:44

Tgt Ion: 96 Resp: 26950
Ion Ratio Lower Upper
96 100
61 175.1 144.3 216.5
98 67.4 50.3 75.5





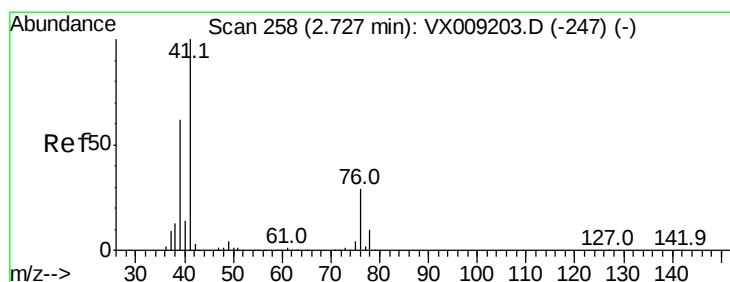
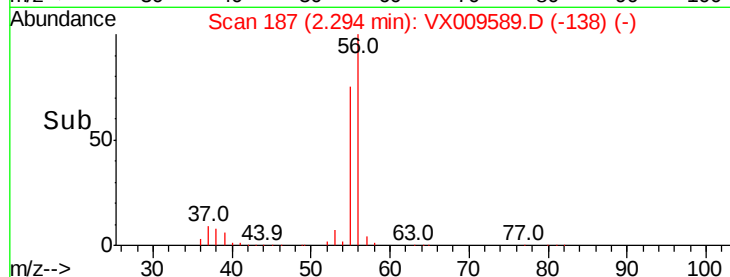
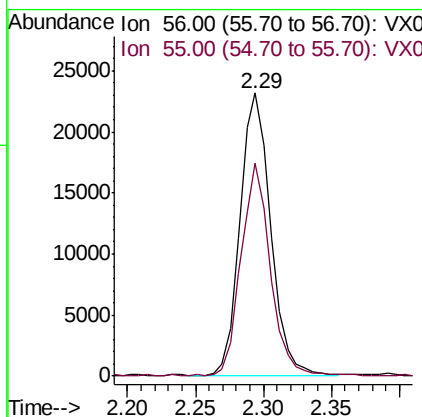
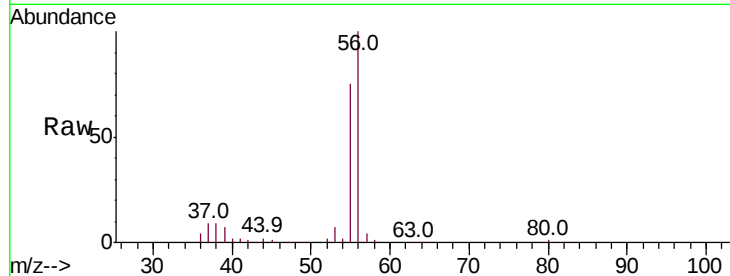
#13
Acrolein
Concen: 87.060 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX009589.D
Acq: 15 May 2019 18:44

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

Tot Ion: 56 Resp: 36274
Ion Ratio Lower Upper
56 100
55 73.0 56.6 85.0

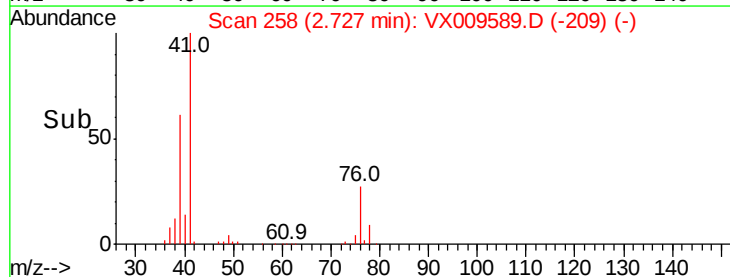
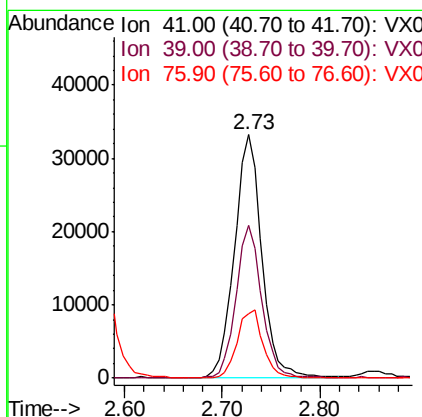
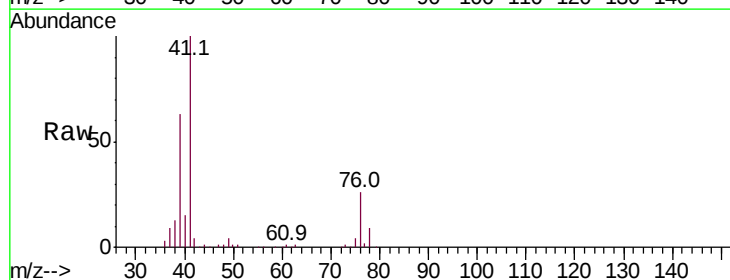
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#14
Allyl chloride
Concen: 19.311 ug/l
RT: 2.73 min Scan# 258
Delta R.T. 0.00 min
Lab File: VX009589.D
Acq: 15 May 2019 18:44

Tgt Ion: 41 Resp: 64290
Ion Ratio Lower Upper
41 100
39 59.6 46.7 70.1
76 26.5 21.8 32.8





#15

Acrylonitrile

Concen: 106.514 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX009589.D

Acq: 15 May 2019 18:44

Instrument :

MSVOA_X

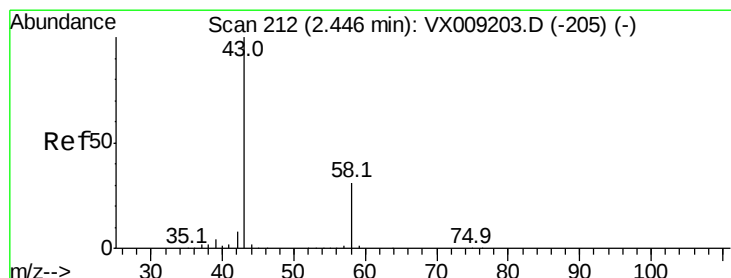
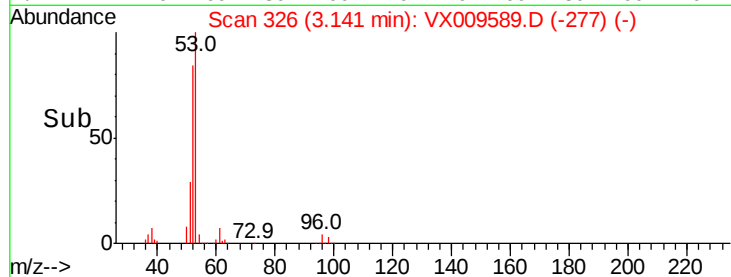
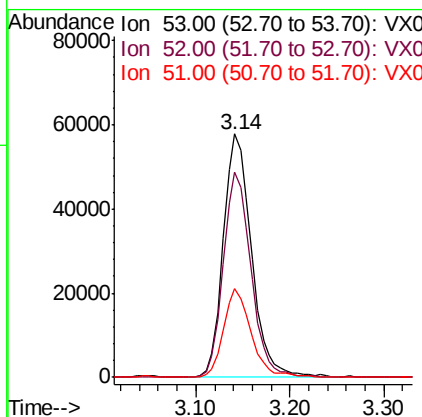
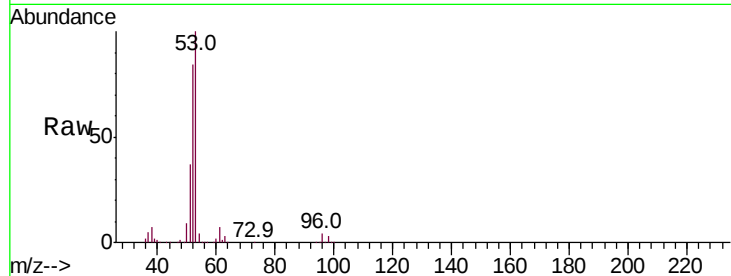
ClientSampleId :

VX0515WBSD01

Tot Ion:	53	Resp:	119818
Ion	Ratio	Lower	Upper
53	100		
52	83.3	66.9	100.3
51	35.6	28.2	42.2

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#16

Acetone

Concen: 99.335 ug/l

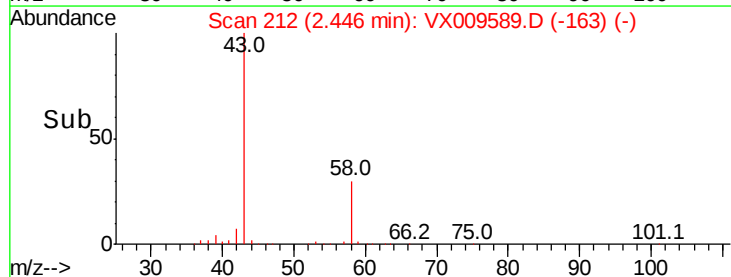
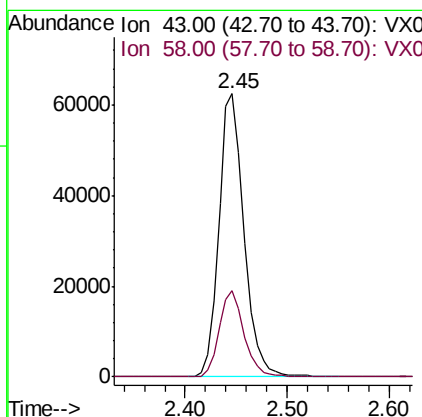
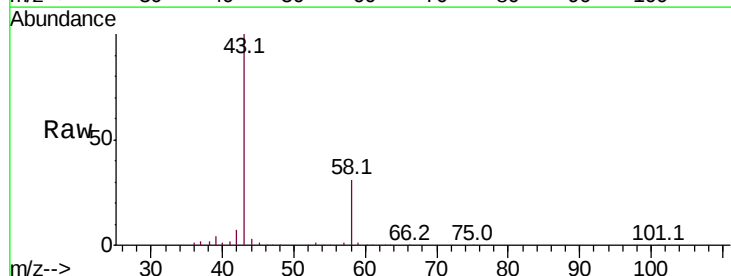
RT: 2.45 min Scan# 212

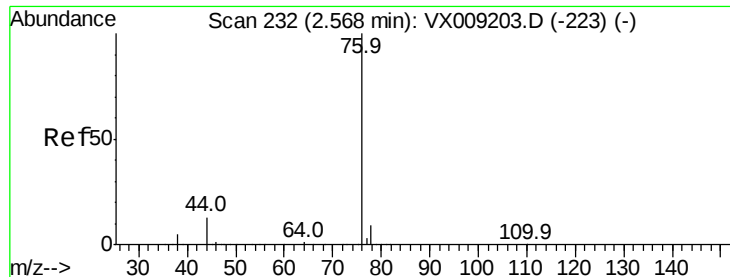
Delta R.T. 0.00 min

Lab File: VX009589.D

Acq: 15 May 2019 18:44

Tgt Ion:	43	Resp:	106014
Ion	Ratio	Lower	Upper
43	100		
58	30.4	24.9	37.3





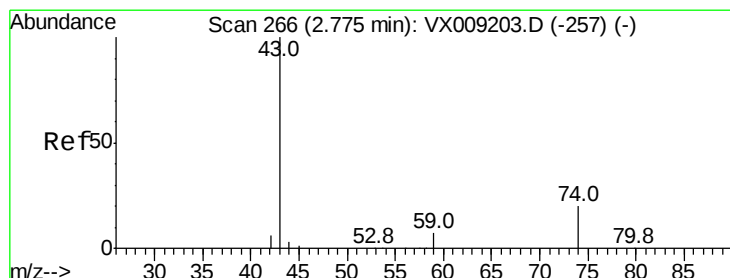
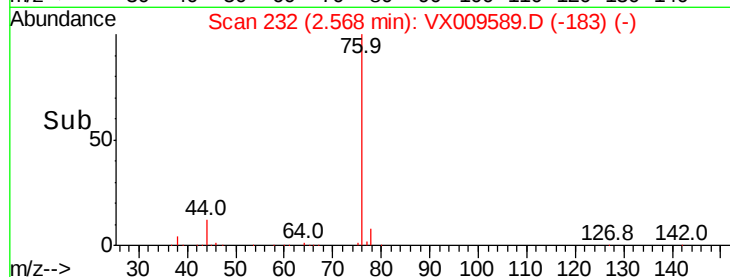
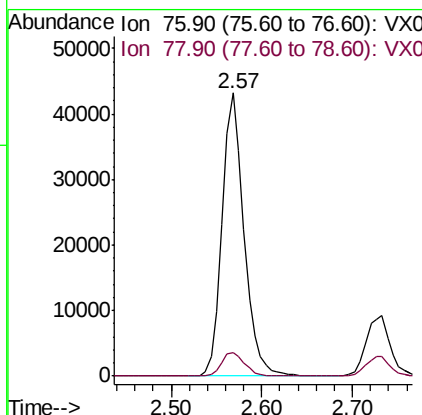
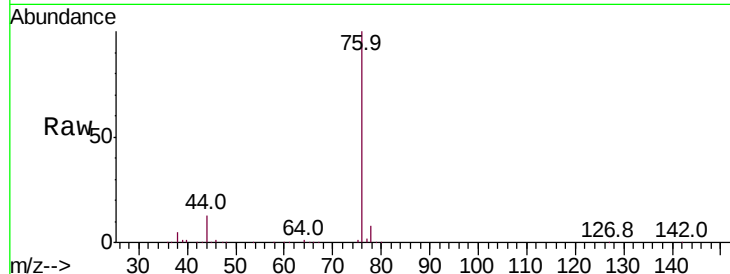
#17
Carbon Disulfide
Concen: 18.992 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX009589.D
Acq: 15 May 2019 18:44

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.4	7.4	11.0

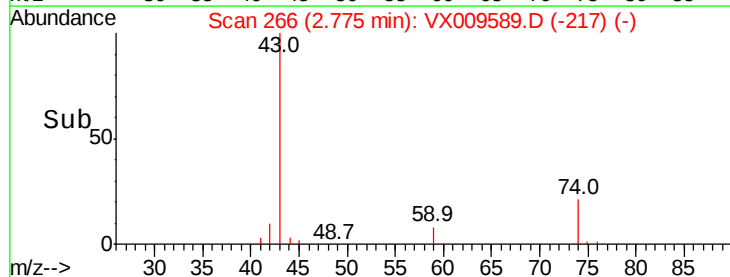
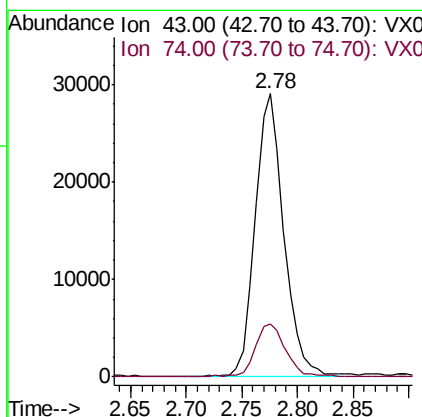
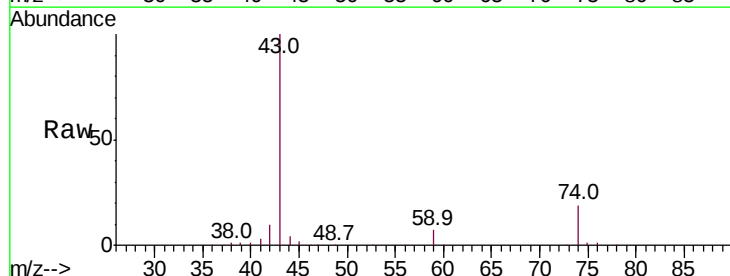
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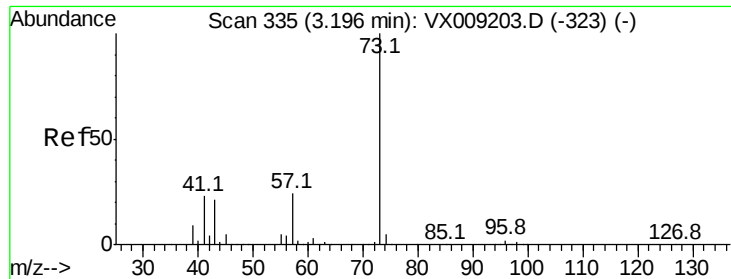
MMDadoda
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#18
Methyl Acetate
Concen: 20.688 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX009589.D
Acq: 15 May 2019 18:44

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.0	16.2	24.4





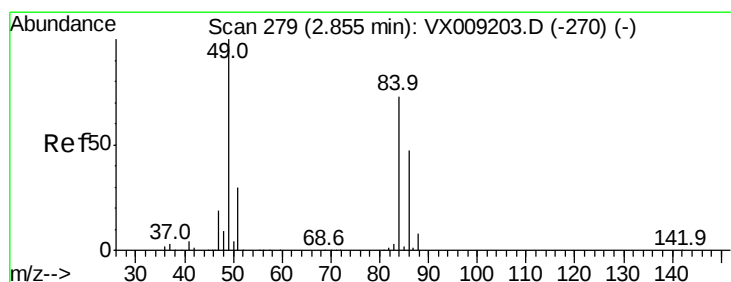
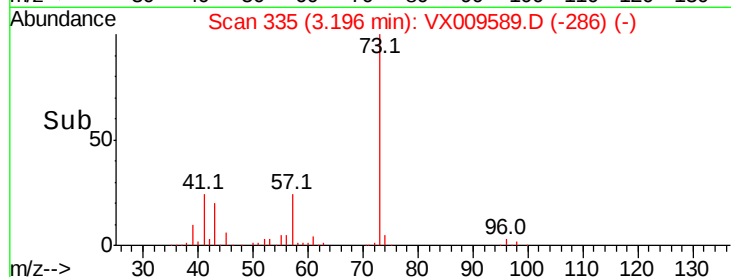
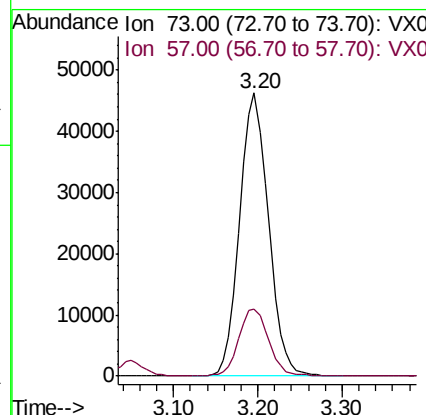
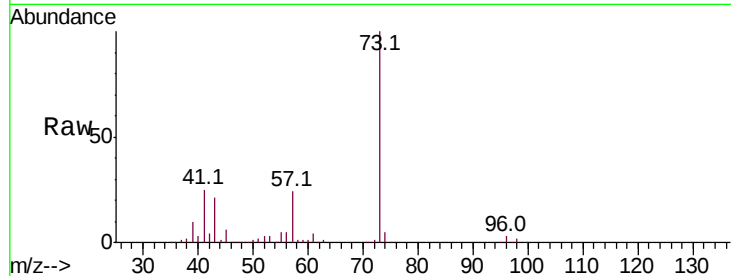
#19
Methvl tert-butvl Ether
Concen: 20.162 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX009589.D
Acq: 15 May 2019 18:44

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

Tot Ion: 73 Resp: 106960
Ion Ratio Lower Upper
73 100
57 23.6 19.3 28.9

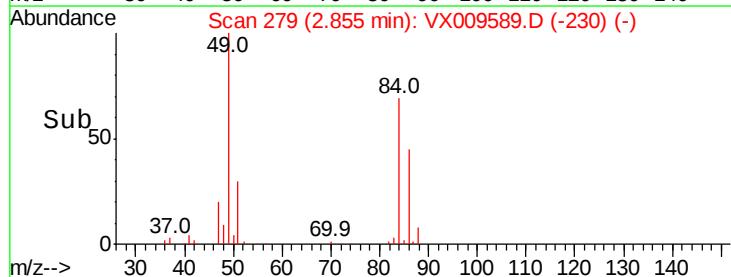
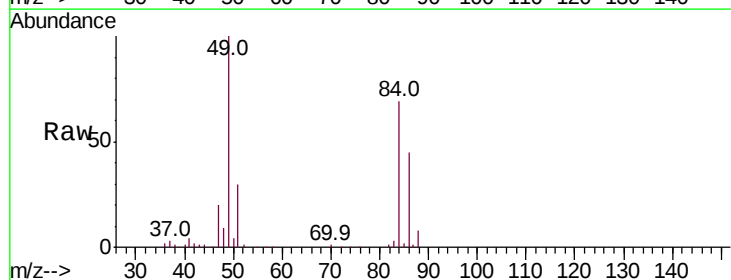
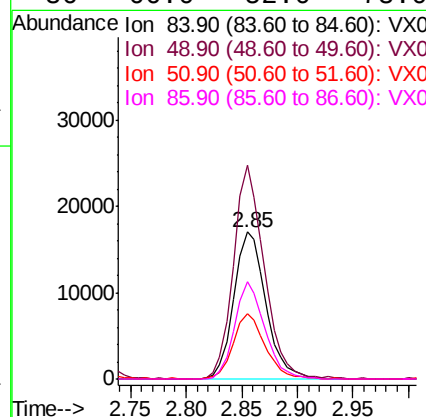
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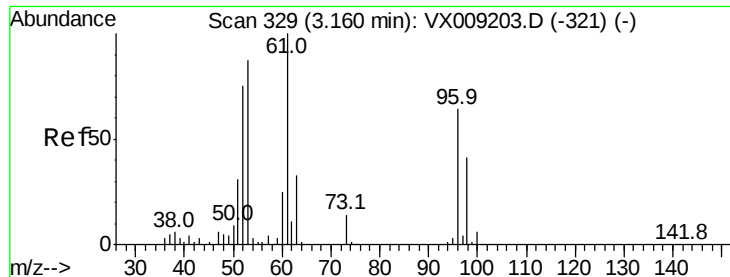
MMDadoda
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#20
Methylene Chloride
Concen: 19.700 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX009589.D
Acq: 15 May 2019 18:44

Tgt Ion: 84 Resp: 34042
Ion Ratio Lower Upper
84 100
49 145.6 109.9 164.9
51 44.3 32.7 49.1
86 66.0 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 19.673 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009589.D

Acq: 15 May 2019 18:44

Instrument :

MSVOA_X

ClientSampleId :

VX0515WBSD01

Tot Ion: 96 Resp: 29146

Ion Ratio Lower Upper

96 100

61 161.6 124.5 186.7

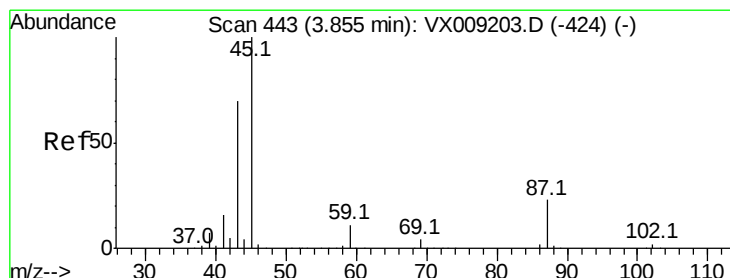
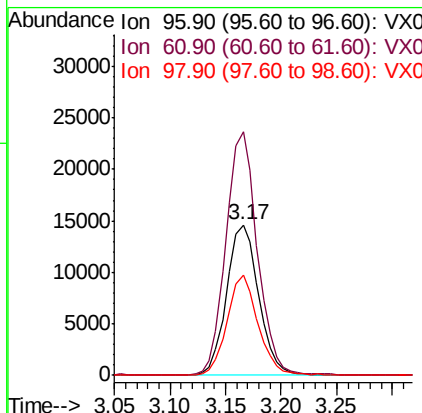
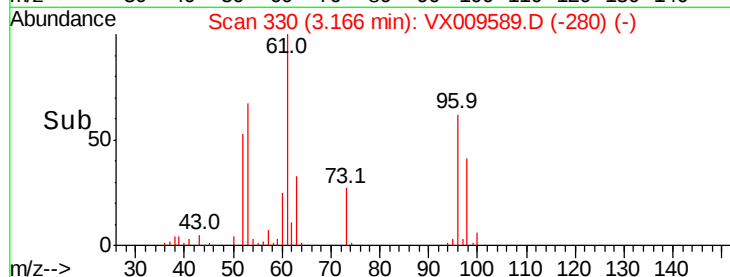
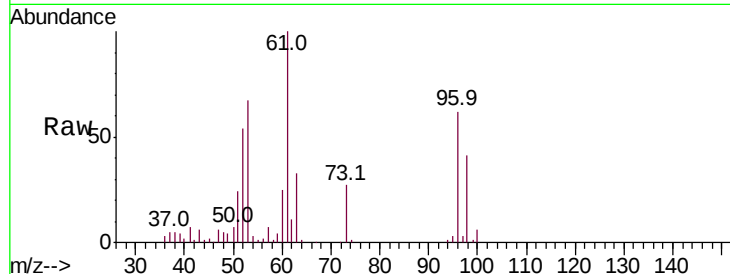
98 66.3 50.4 75.6

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#22

Diisopropyl ether

Concen: 20.340 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX009589.D

Acq: 15 May 2019 18:44

Tgt Ion: 45 Resp: 130227

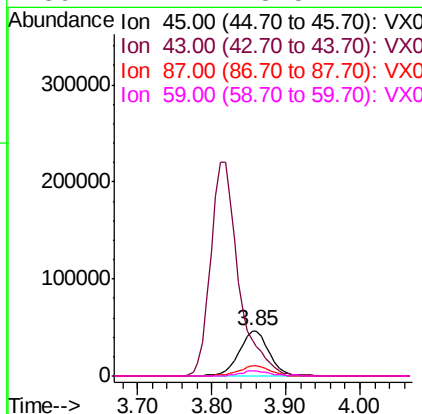
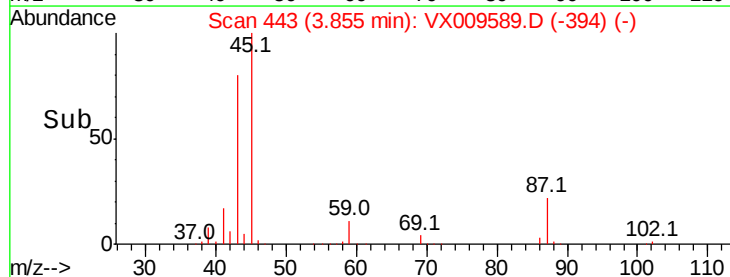
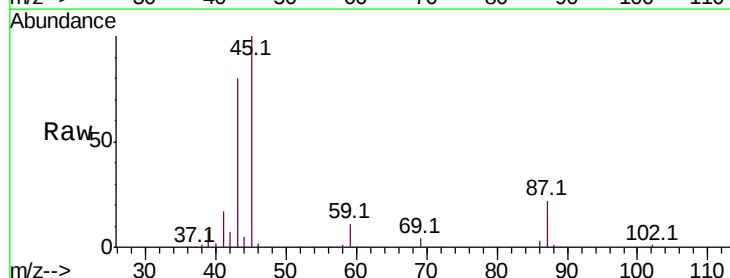
Ion Ratio Lower Upper

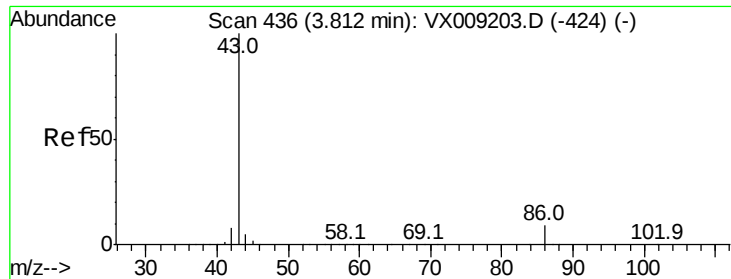
45 100

43 79.2 56.1 84.1

87 21.6 18.1 27.1

59 11.2 8.5 12.7





#23

Vinyl Acetate

Concen: 104.397 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.01 min

Lab File: VX009589.D

Acq: 15 May 2019 18:44

Instrument :

MSVOA_X

ClientSampleID :

VX0515WBSD01

Tot Ion: 43 Resp: 572357

Ion Ratio Lower Upper

43 100

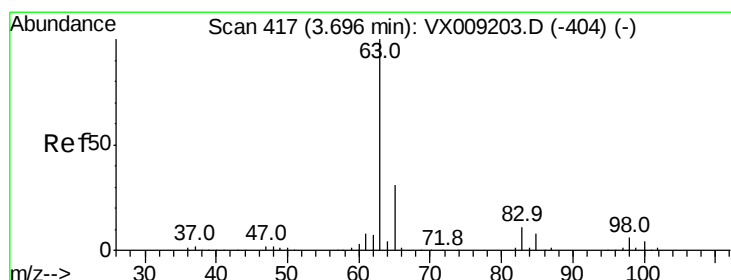
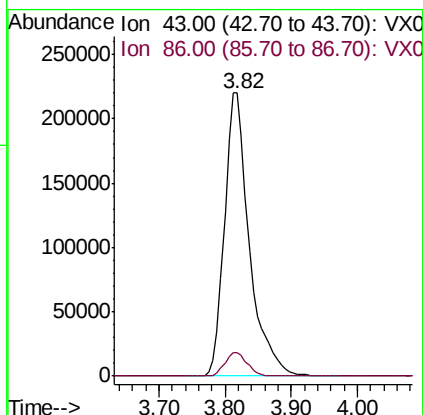
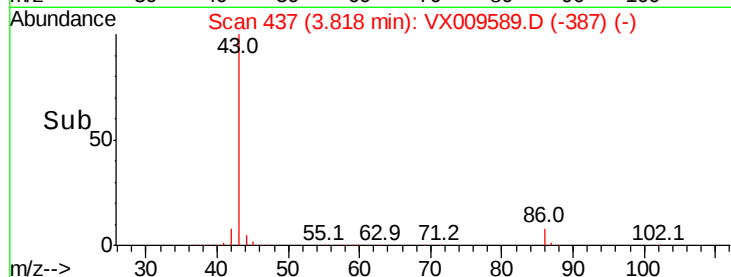
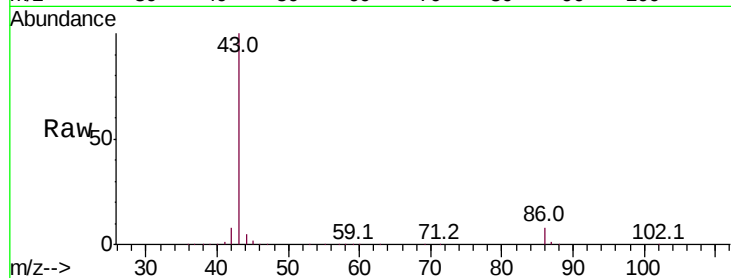
86 8.3 6.9 10.3

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#24

1,1-Dichloroethane

Concen: 19.818 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX009589.D

Acq: 15 May 2019 18:44

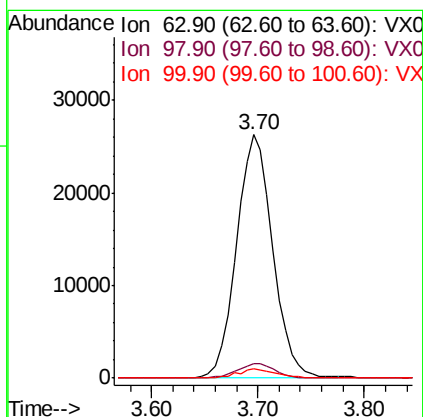
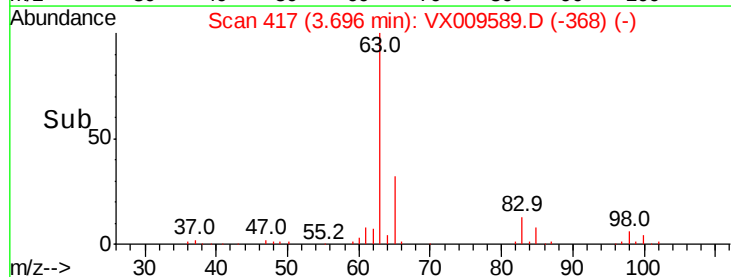
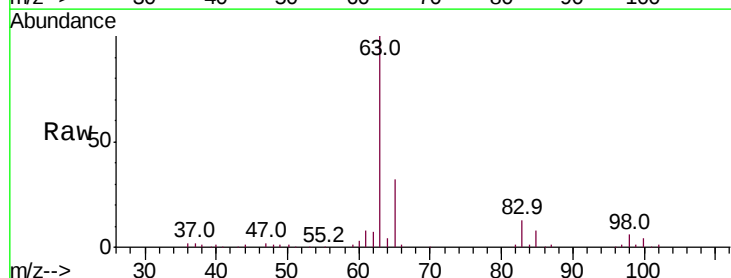
Tgt Ion: 63 Resp: 62595

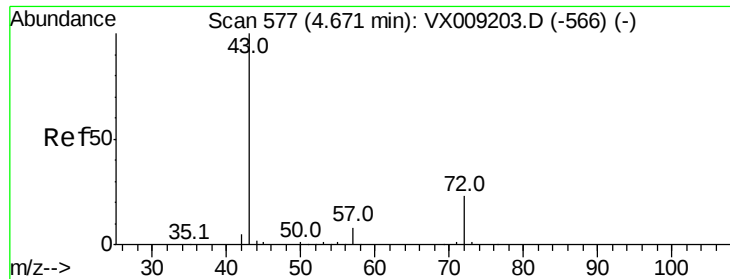
Ion Ratio Lower Upper

63 100

98 6.1 3.0 9.2

100 3.7 2.0 6.0





#25

2-Butanone

Concen: 107.801 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX009589.D

Acq: 15 May 2019 18:44

Instrument :

MSVOA_X

ClientSampleId :

VX0515WBSD01

Tot Ion: 43 Resp: 178784

Ion Ratio Lower Upper

43 100

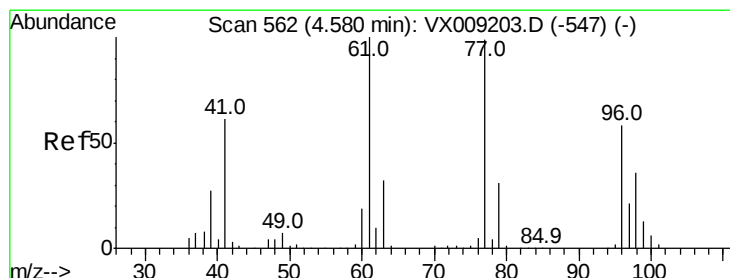
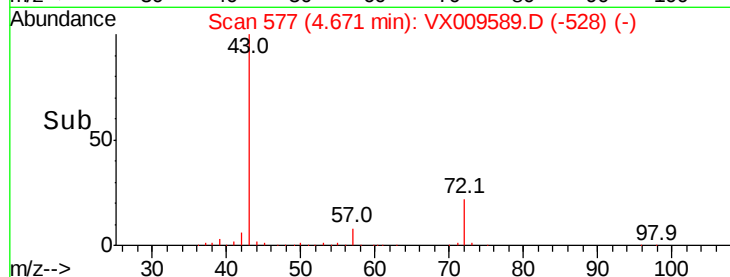
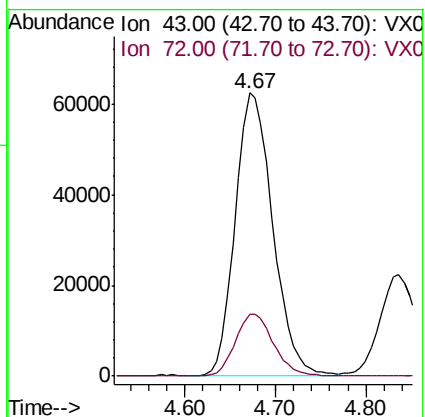
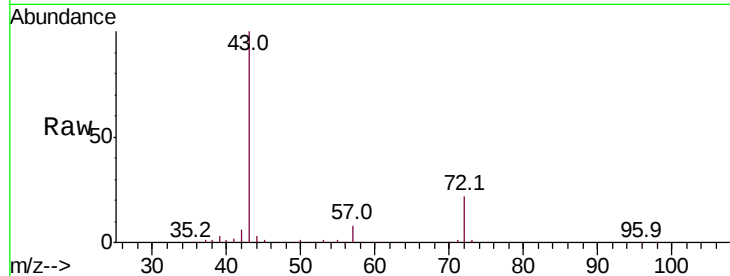
72 21.8 18.2 27.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 16.459 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX009589.D

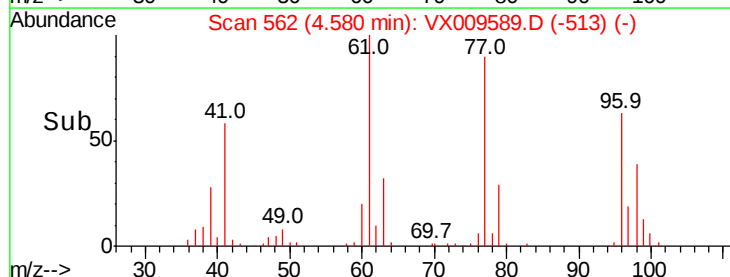
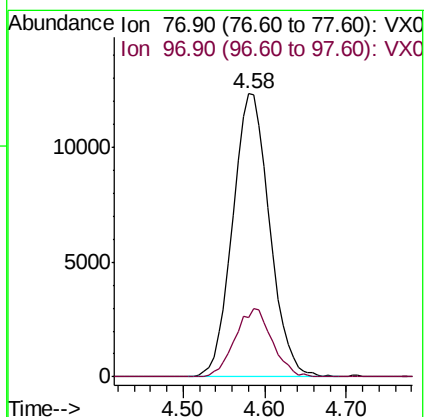
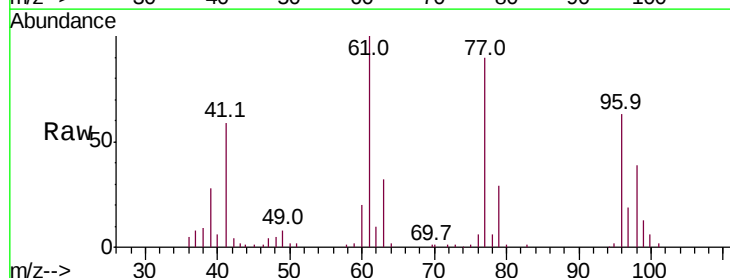
Acq: 15 May 2019 18:44

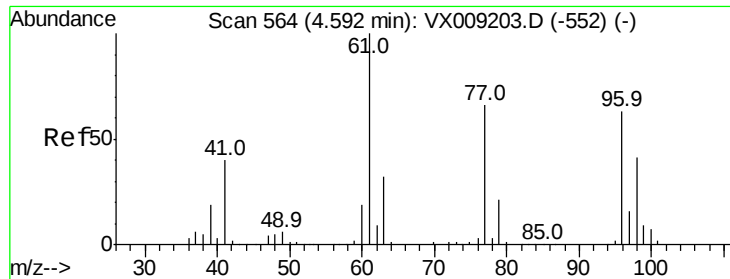
Tgt Ion: 77 Resp: 38694

Ion Ratio Lower Upper

77 100

97 24.1 11.5 34.4





#27

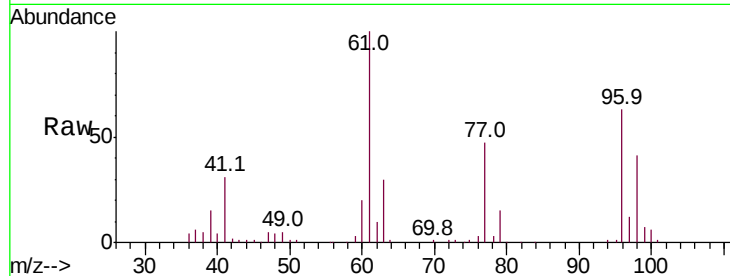
cis-1,2-Dichloroethene
Concen: 20.059 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX009589.D
Acq: 15 May 2019 18:44

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	159.0	0.0	324.0
98	64.3	0.0	130.4

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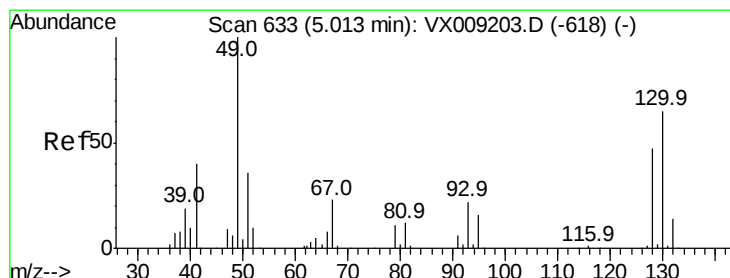
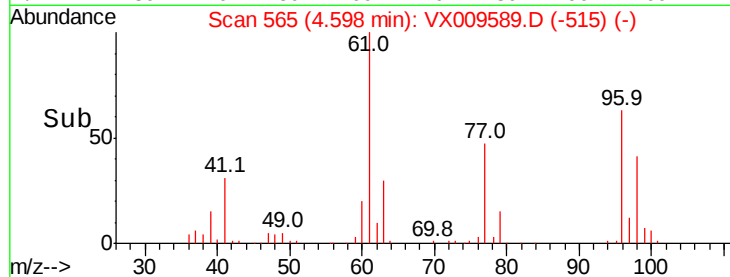
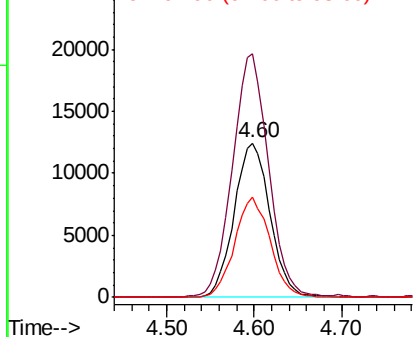


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

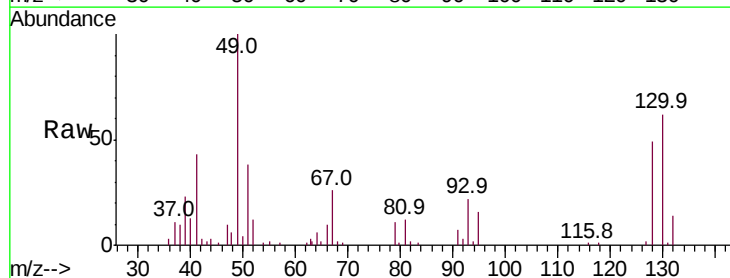
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane
Concen: 15.580 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX009589.D
Acq: 15 May 2019 18:44

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	3.8
130	63.7	51.2	76.8

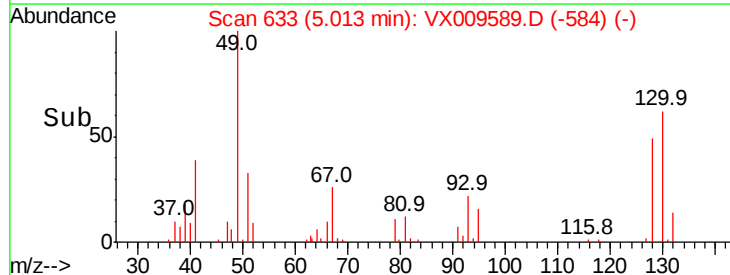
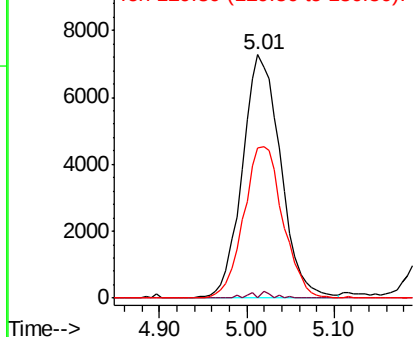


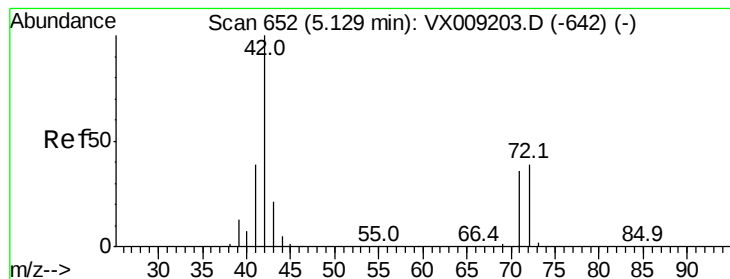
Abundance

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: 110.296 ug/l

RT: 5.13 min Scan# 653

Delta R.T. 0.01 min

Lab File: VX009589.D

Acq: 15 May 2019 18:44

Instrument :

MSVOA_X

ClientSampleId :

VX0515WBSD01

Tot Ion: 42 Resp: 117709

Ion Ratio Lower Upper

42 100

72 37.7 30.4 45.6

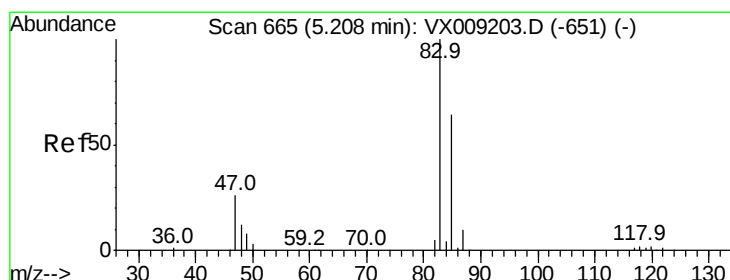
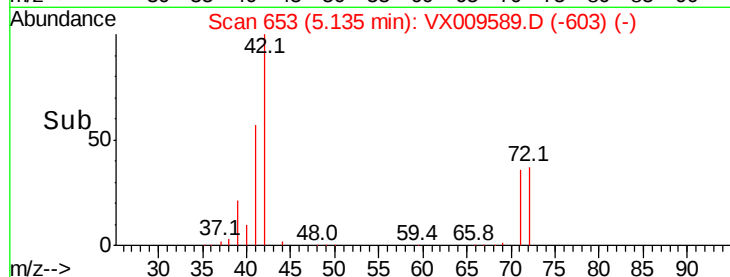
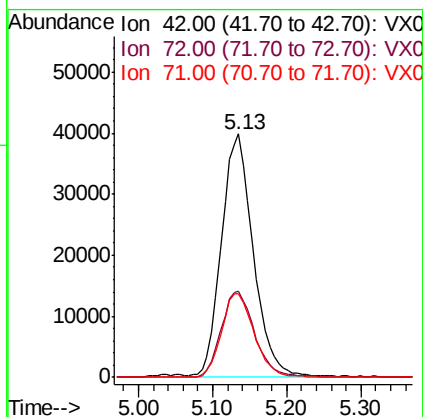
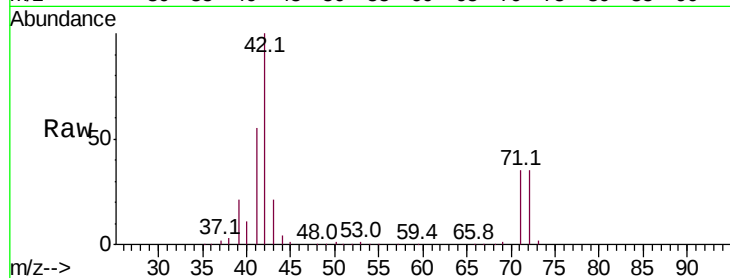
71 35.8 28.6 43.0

Manual Integrations

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#30

Chloroform

Concen: 20.364 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.01 min

Lab File: VX009589.D

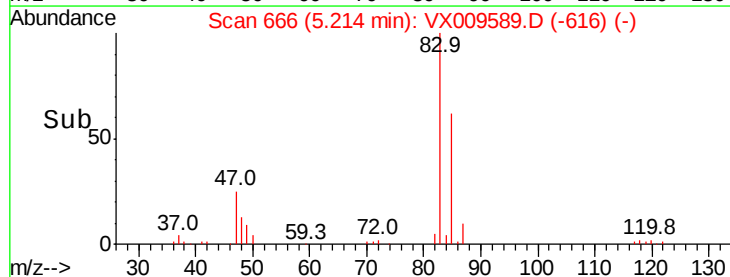
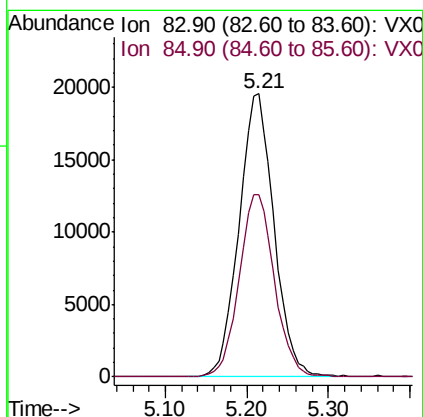
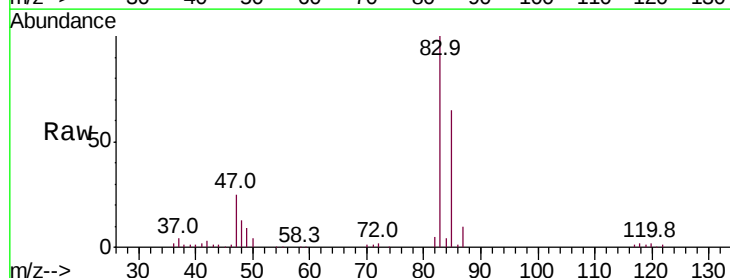
Acq: 15 May 2019 18:44

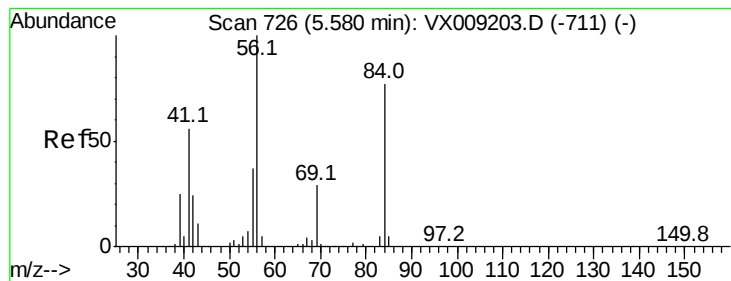
Tgt Ion: 83 Resp: 58172

Ion Ratio Lower Upper

83 100

85 64.6 51.5 77.3





#31

Cyclohexane

Concen: 19.906 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX009589.D

Acq: 15 May 2019 18:44

Instrument :

MSVOA_X

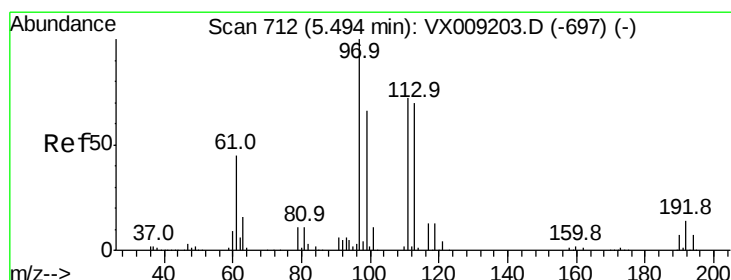
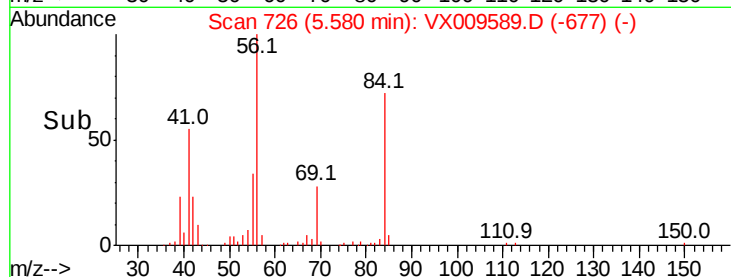
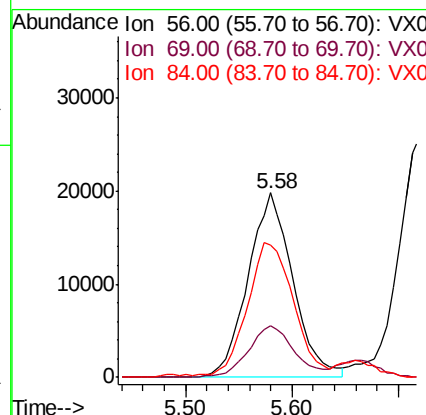
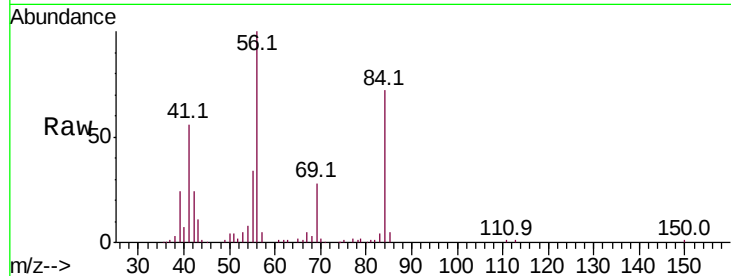
ClientSampleId :

VX0515WBSD01

Tot Ion:	56	Resp:	58494
Ion Ratio	Lower	Upper	
56	100		
69	27.7	23.4	35.0
84	70.5	61.9	92.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.828 ug/l

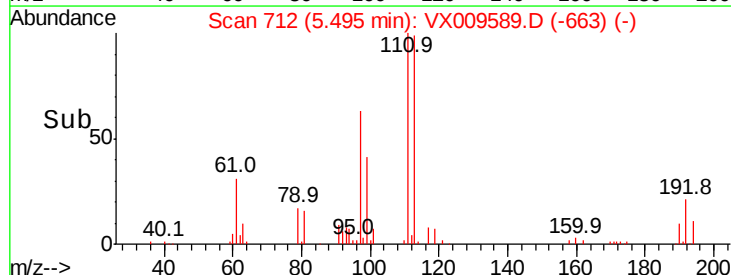
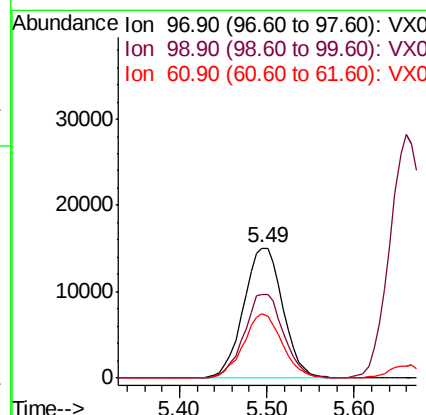
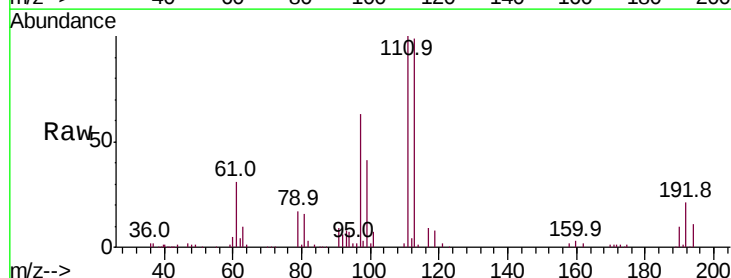
RT: 5.49 min Scan# 712

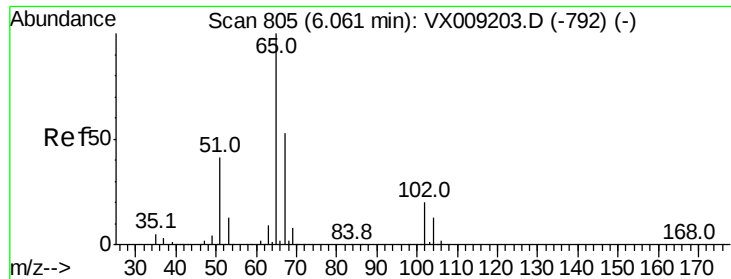
Delta R.T. 0.00 min

Lab File: VX009589.D

Acq: 15 May 2019 18:44

Tgt Ion:	97	Resp:	47150
Ion Ratio	Lower	Upper	
97	100		
99	64.5	51.8	77.8
61	49.0	37.8	56.8





#33

1,2-Dichloroethane-d4

Concen: 47.969 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009589.D

Acq: 15 May 2019 18:44

Instrument :

MSVOA_X

ClientSampleId :

VX0515WBSD01

Tot Ion: 65 Resp: 95342

Ion Ratio Lower Upper

65 100

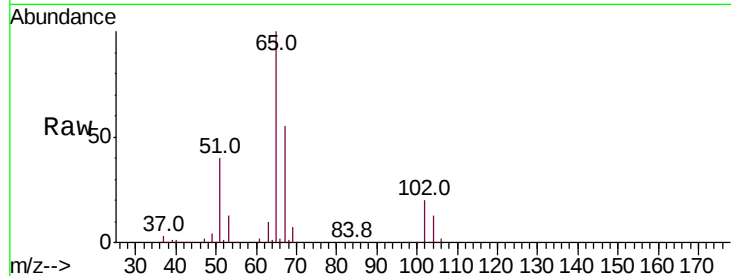
67 53.7 0.0 106.6

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

40000

30000

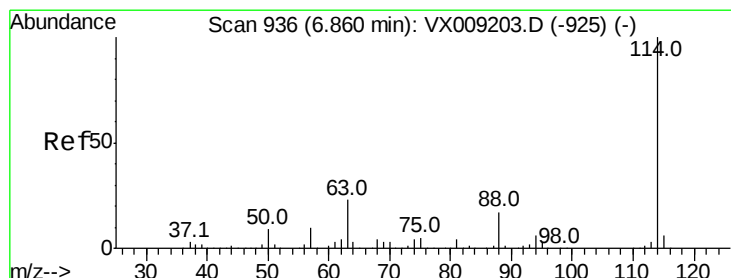
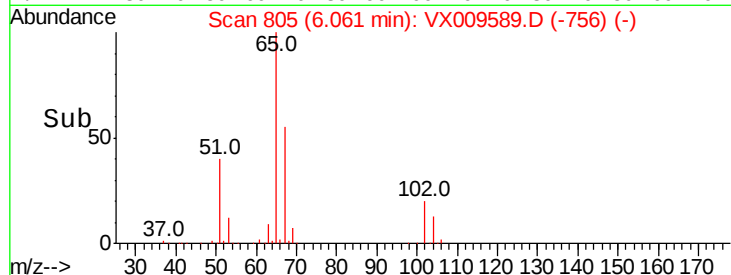
20000

10000

0

6.00 6.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX009589.D

Acq: 15 May 2019 18:44

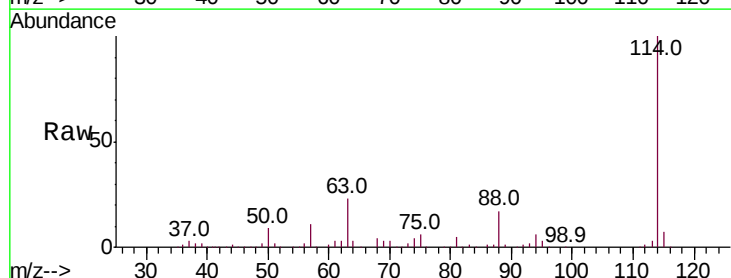
Tgt Ion:114 Resp: 234682

Ion Ratio Lower Upper

114 100

63 23.1 0.0 45.6

88 16.6 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

6.86

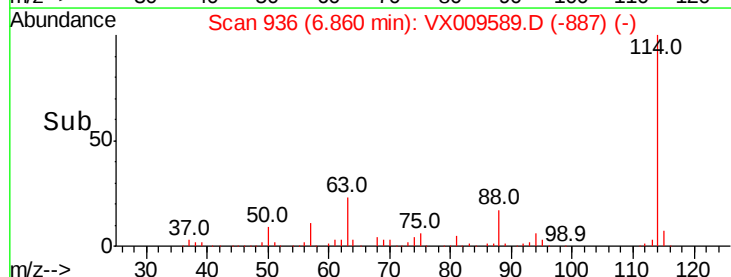
100000

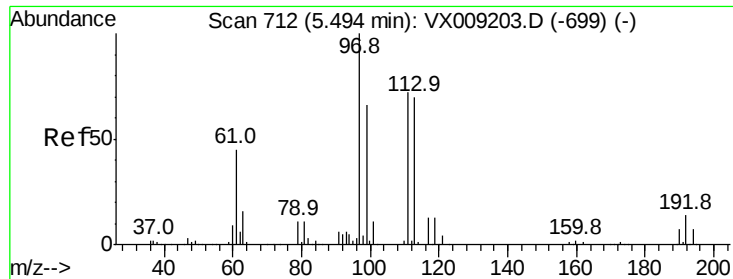
50000

0

6.80 6.90 7.00

Time-->





#35

Dibromofluoromethane

Concen: 47.533 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009589.D

Acq: 15 May 2019 18:44

Instrument :

MSVOA_X

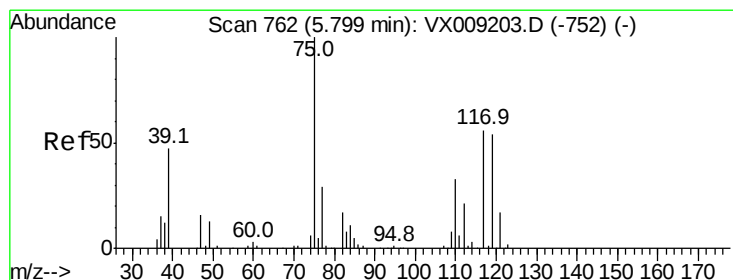
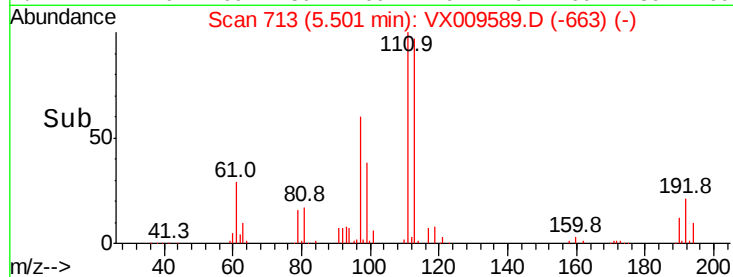
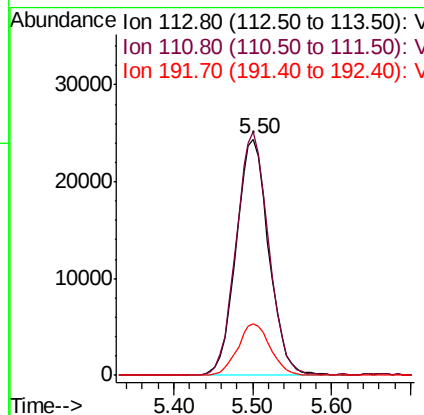
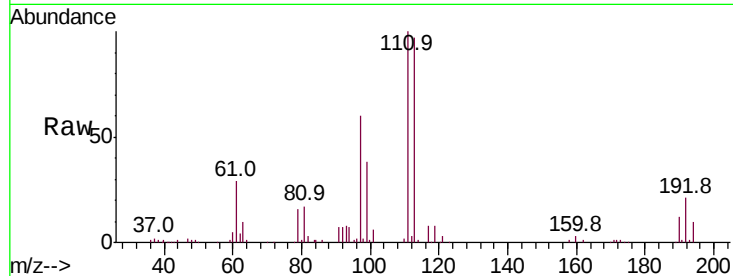
ClientSampleId :

VX0515WBSD01

Tot Ion:	113	Resp:	70126
Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.8	124.2
192	21.8	17.0	25.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 19.412 ug/l

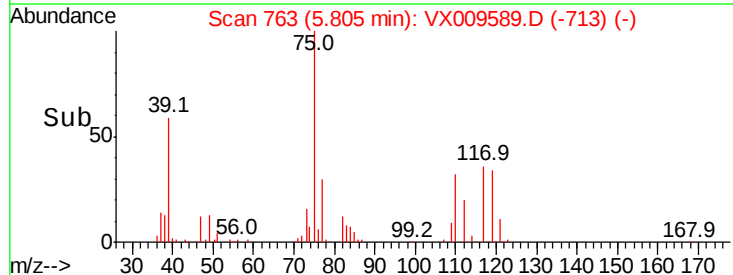
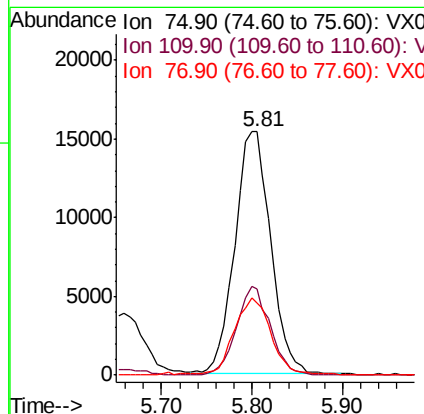
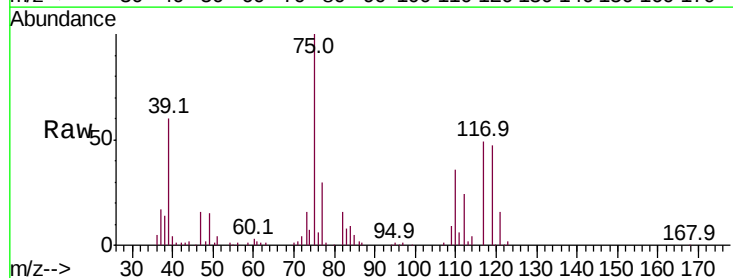
RT: 5.81 min Scan# 763

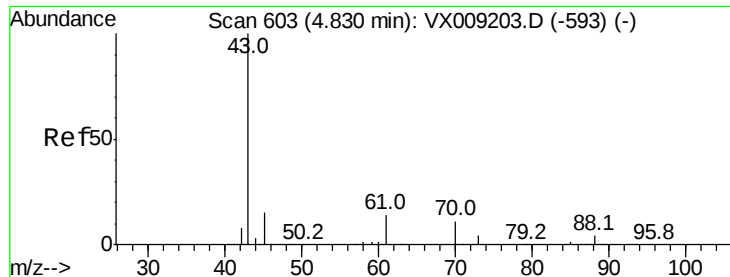
Delta R.T. 0.01 min

Lab File: VX009589.D

Acq: 15 May 2019 18:44

Tgt Ion:	75	Resp:	42337
Ion	Ratio	Lower	Upper
75	100		
110	34.6	16.9	50.6
77	31.4	24.8	37.2





#37

Ethyl Acetate

Concen: 21.489 ug/l

RT: 4.84 min Scan# 604

Delta R.T. 0.01 min

Lab File: VX009589.D

Acq: 15 May 2019 18:44

Instrument :

MSVOA_X

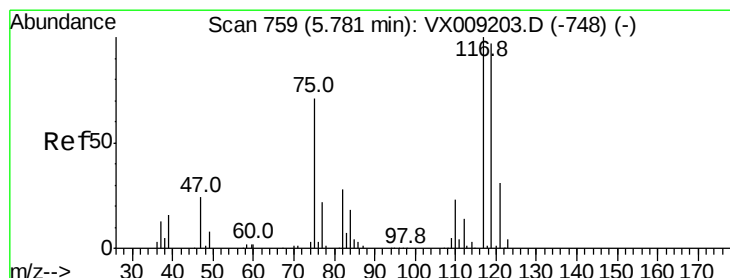
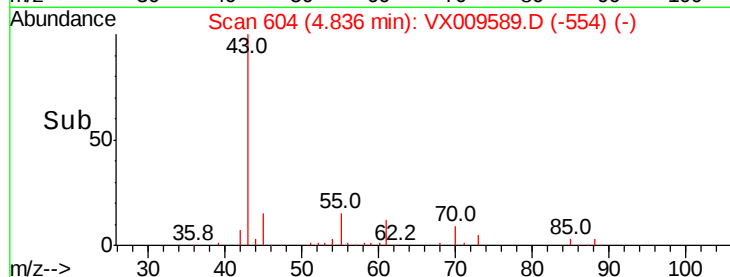
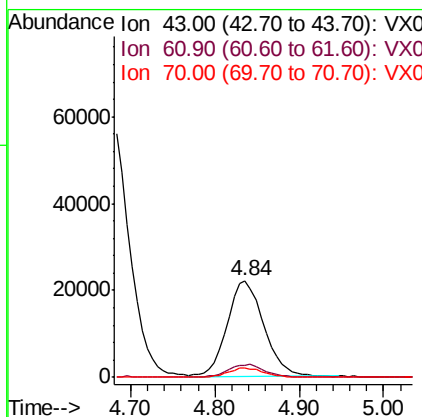
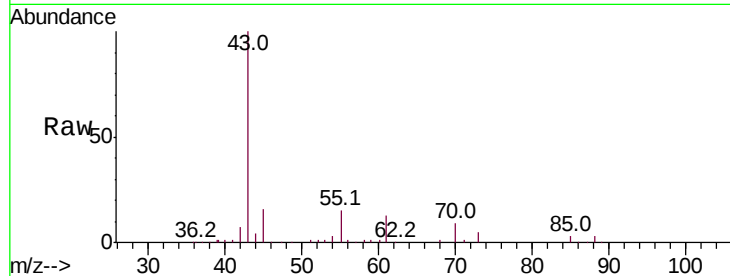
ClientSampleId :

VX0515WBSD01

Tot Ion:	43	Resp:	65298
Ion Ratio	Lower	Upper	
43	100		
61	13.9	10.5	15.7
70	9.4	7.9	11.9

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 19.501 ug/l

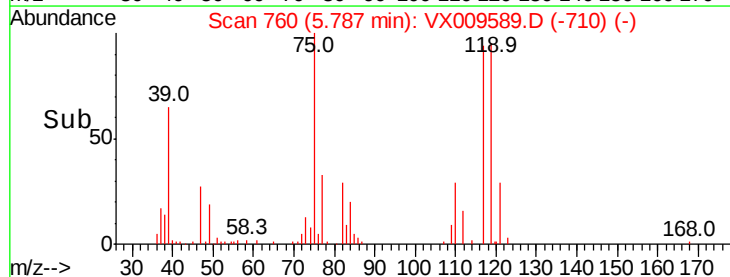
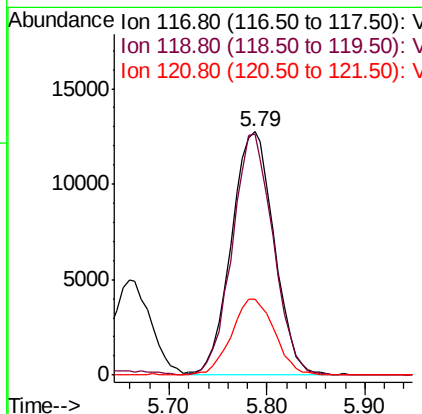
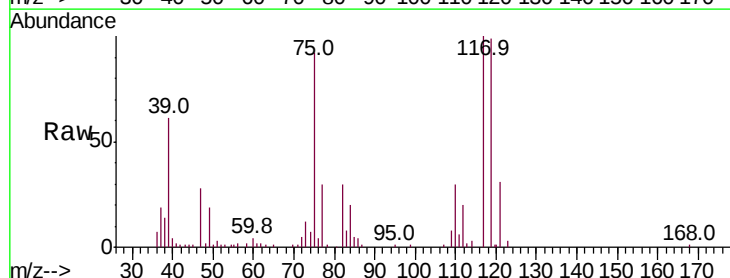
RT: 5.79 min Scan# 760

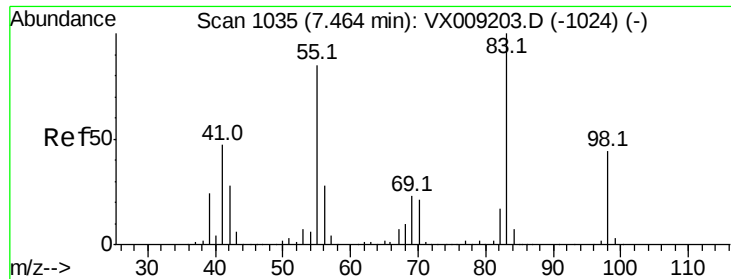
Delta R.T. 0.01 min

Lab File: VX009589.D

Acq: 15 May 2019 18:44

Tgt Ion:	117	Resp:	38642
Ion Ratio	Lower	Upper	
117	100		
119	99.1	77.5	116.3
121	31.0	24.7	37.1





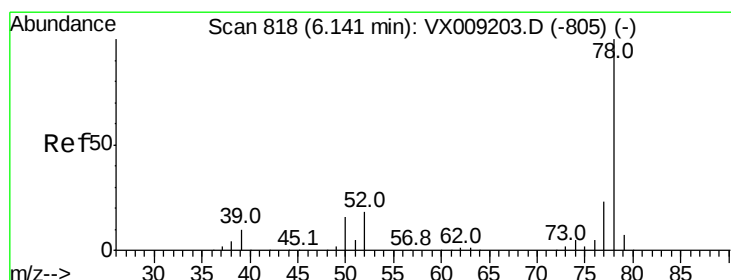
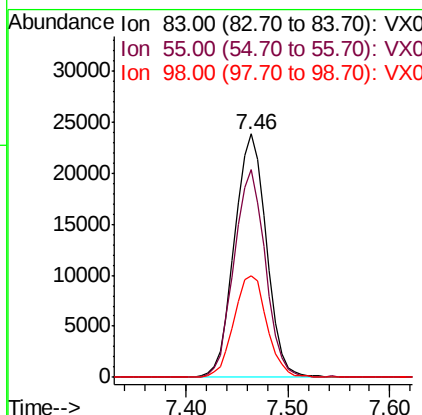
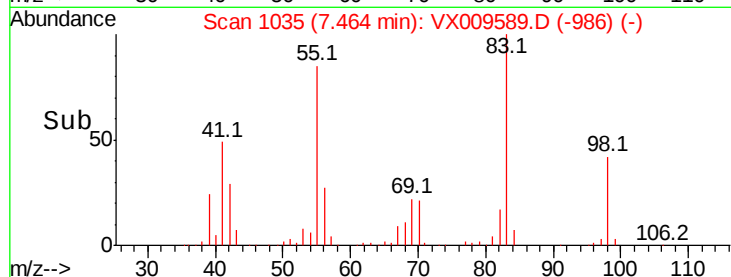
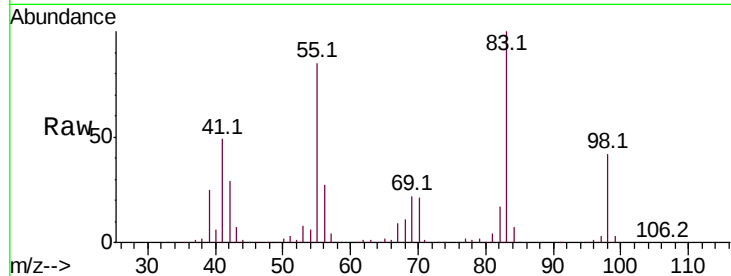
#39
Methvlcvclohexane
Concen: 19.327 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX009589.D
Acq: 15 May 2019 18:44

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

Tot Ion: 83 Resp: 51765
Ion Ratio Lower Upper
83 100
55 85.2 67.7 101.5
98 41.6 35.5 53.3

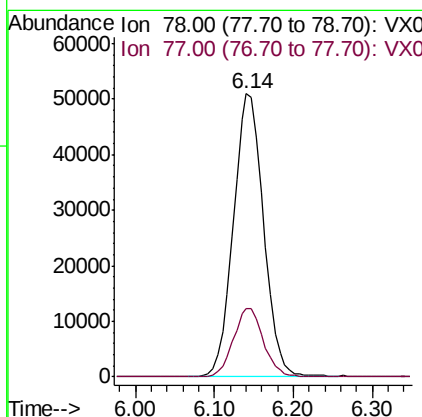
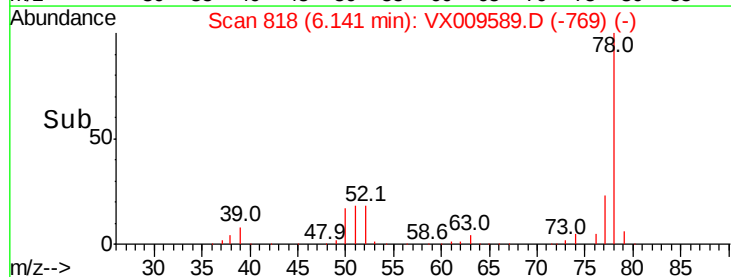
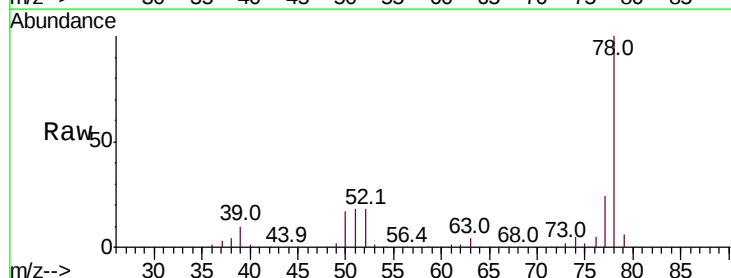
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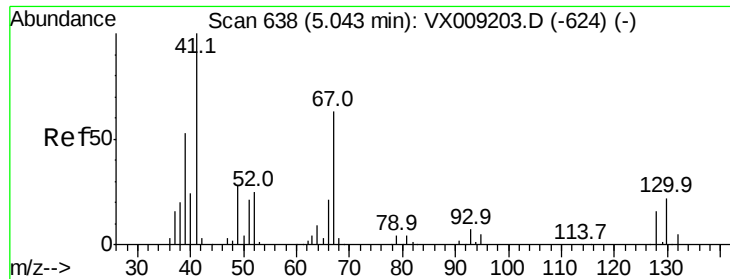
MMDadoda
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#40
Benzene
Concen: 20.080 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX009589.D
Acq: 15 May 2019 18:44

Tgt Ion: 78 Resp: 135534
Ion Ratio Lower Upper
78 100
77 24.0 18.8 28.2





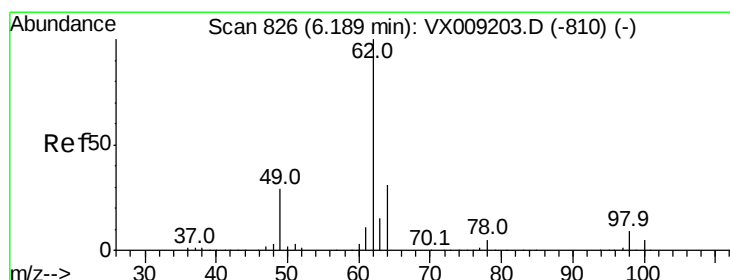
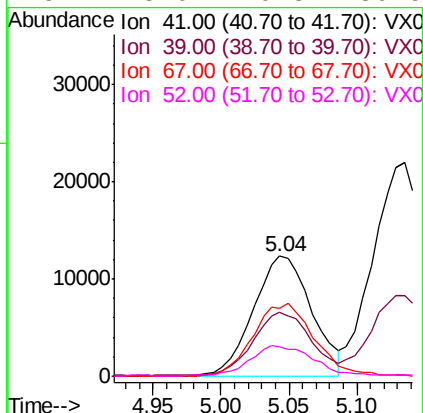
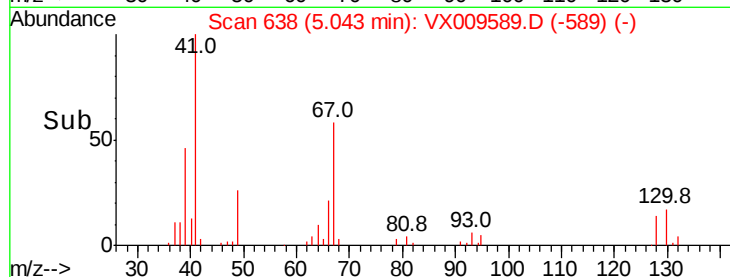
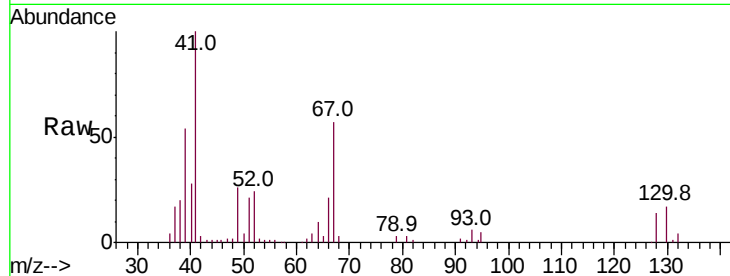
#41
Methacrylonitrile
Concen: 20.502 ug/l
RT: 5.04 min Scan# 638
Delta R.T. 0.00 min
Lab File: VX009589.D
Acq: 15 May 2019 18:44

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	54.3	42.0	63.0
67	63.6	49.8	74.8
52	28.0	20.3	30.5

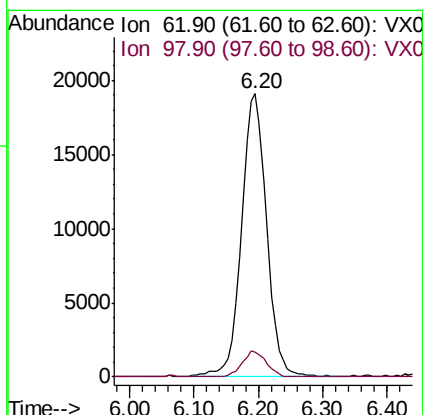
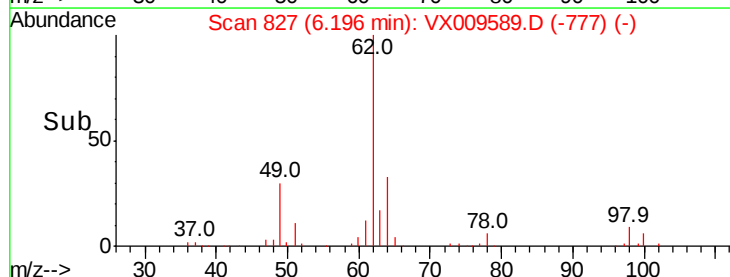
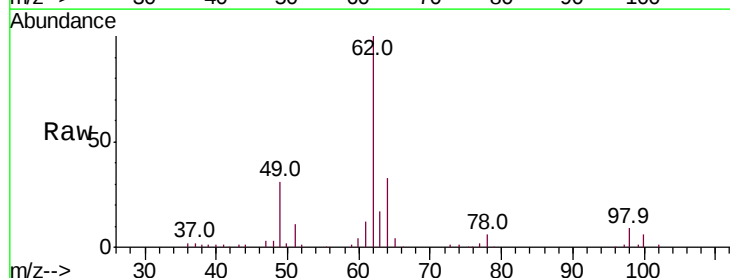
Manual Integrations
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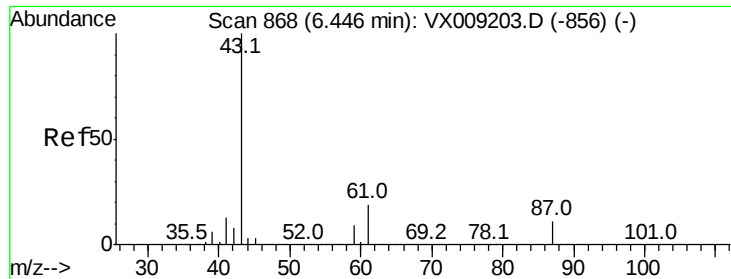
MMDadoda
5/16/2019 12:32:49 PM



#42
1,2-Dichloroethane
Concen: 21.066 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.01 min
Lab File: VX009589.D
Acq: 15 May 2019 18:44

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	18.2





#43

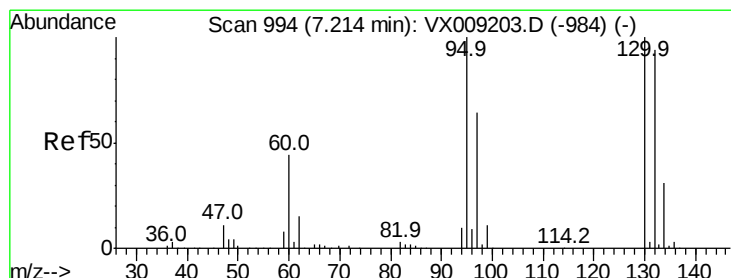
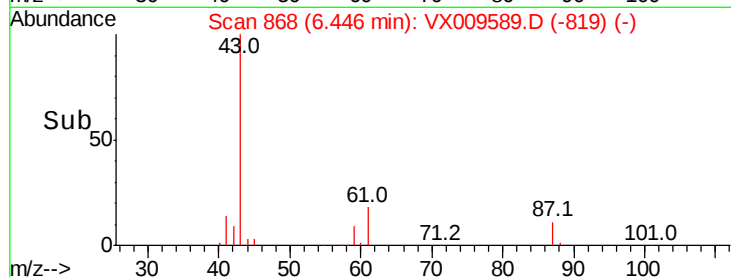
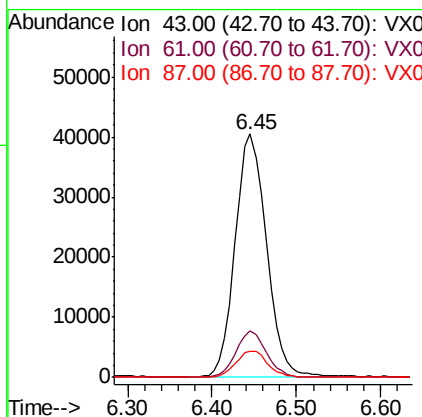
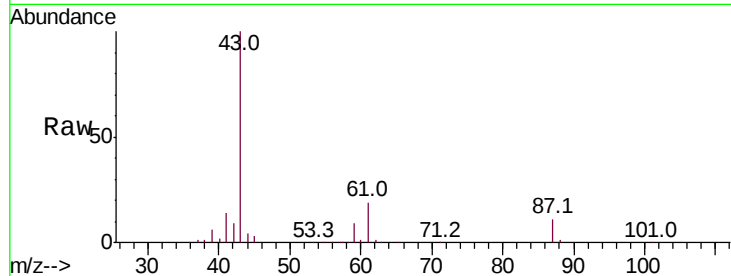
Isopropyl Acetate
 Concen: 21.068 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. 0.00 min
 Lab File: VX009589.D
 Acq: 15 May 2019 18:44

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0515WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.3	15.1	22.7
87	11.1	9.0	13.6

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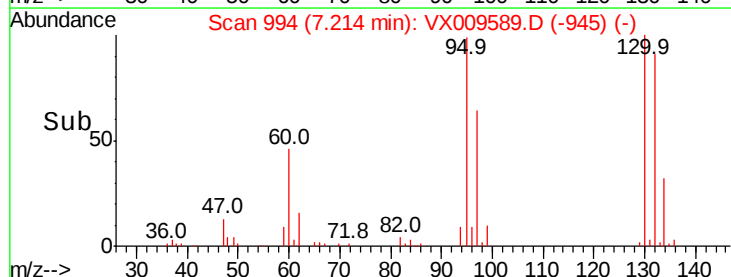
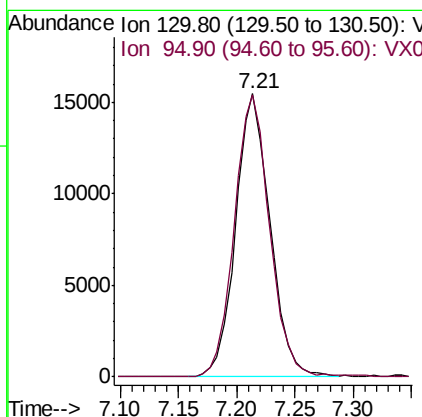
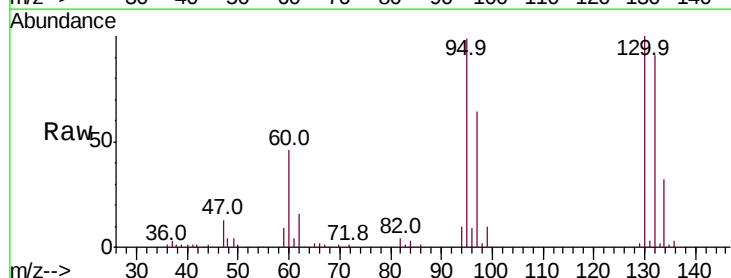
MMDadoda
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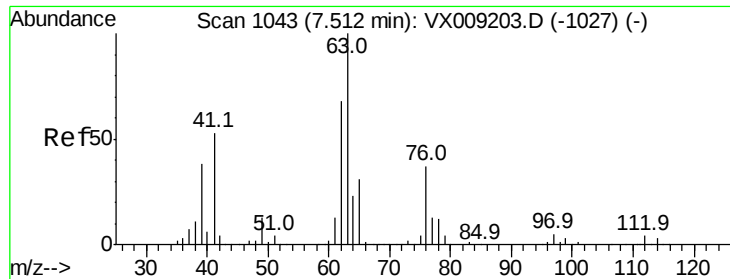


#44

Trichloroethene
 Concen: 19.489 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX009589.D
 Acq: 15 May 2019 18:44

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.5	0.0	199.2





#45

1,2-Dichloropropane

Concen: 20.369 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX009589.D

Acq: 15 May 2019 18:44

Instrument :

MSVOA_X

ClientSampleId :

VX0515WBSD01

Tot Ion: 63 Resp: 38929

Ion Ratio Lower Upper

63 100

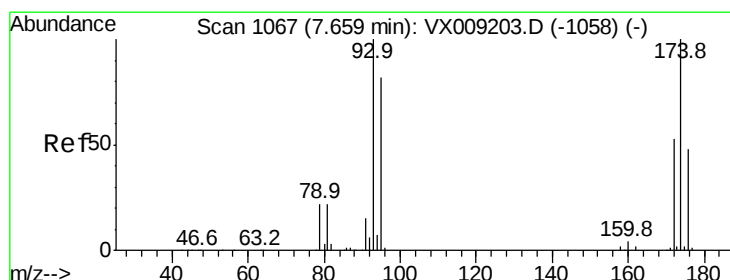
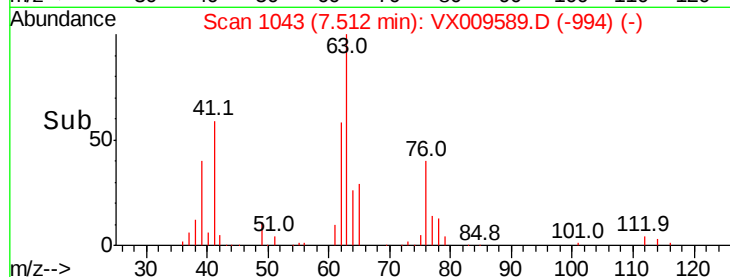
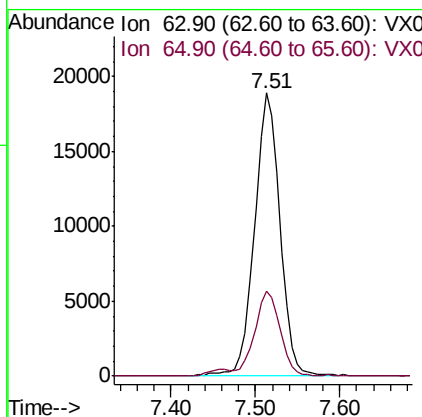
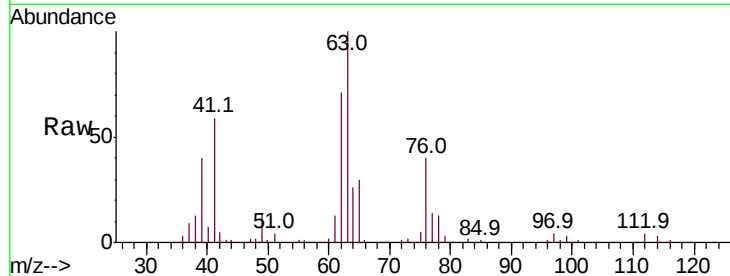
65 30.1 25.0 37.6

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#46

Dibromomethane

Concen: 20.124 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX009589.D

Acq: 15 May 2019 18:44

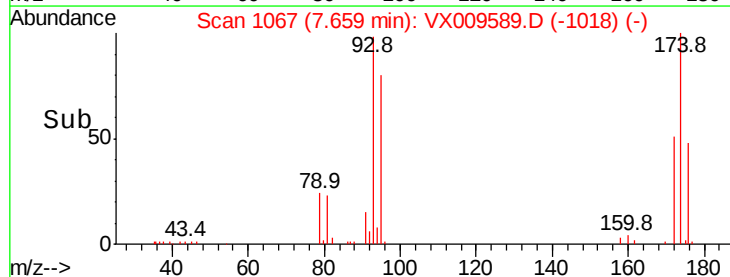
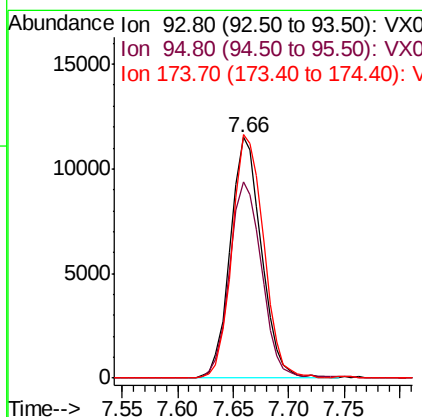
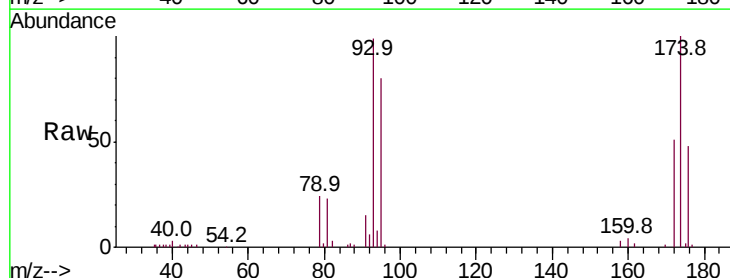
Tgt Ion: 93 Resp: 22335

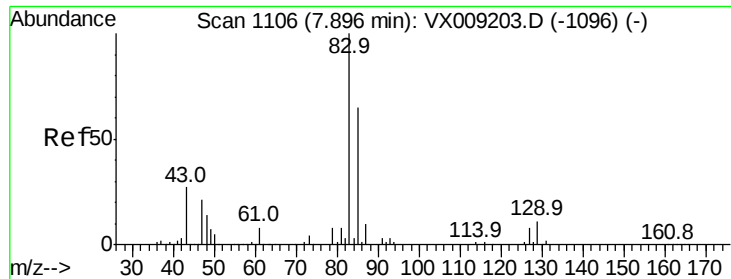
Ion Ratio Lower Upper

93 100

95 84.3 66.5 99.7

174 102.4 82.1 123.1





#47

Bromodichloromethane

Concen: 19.614 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX009589.D

Acq: 15 May 2019 18:44

Instrument :

MSVOA_X

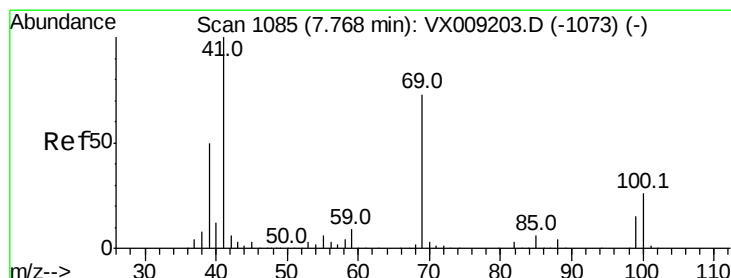
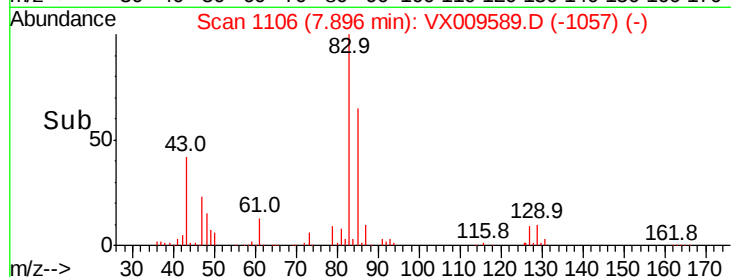
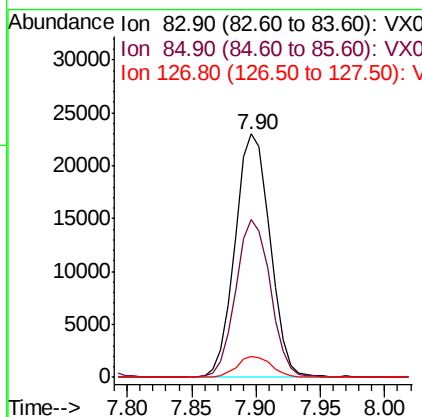
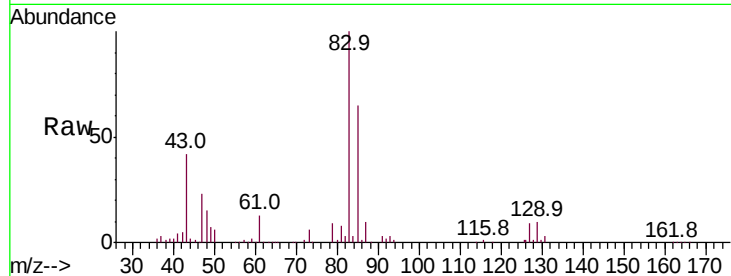
ClientSampleId :

VX0515WBSD01

Tot Ion:	83	Resp:	43423
Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.4	78.6
127	8.6	6.6	10.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.898 ug/l

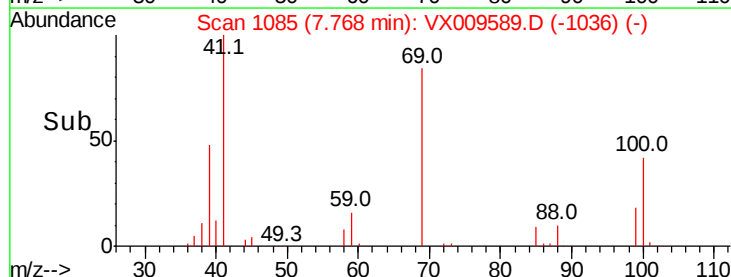
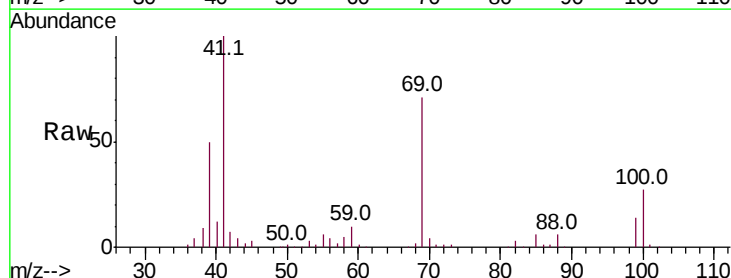
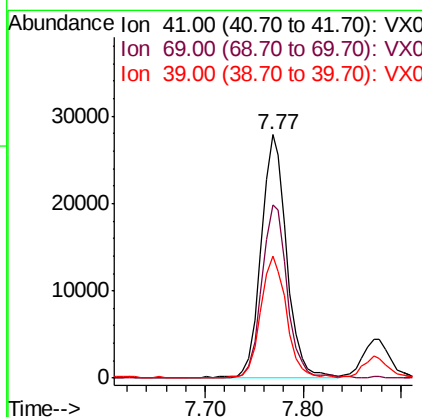
RT: 7.77 min Scan# 1085

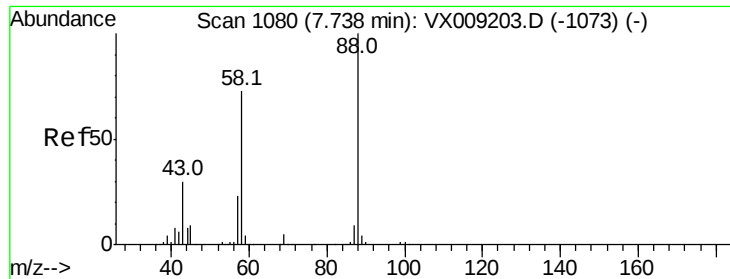
Delta R.T. 0.00 min

Lab File: VX009589.D

Acq: 15 May 2019 18:44

Tgt Ion:	41	Resp:	50394
Ion	Ratio	Lower	Upper
41	100		
69	72.1	59.1	88.7
39	51.4	40.4	60.6





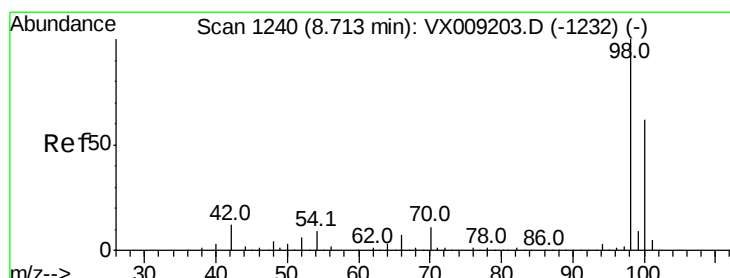
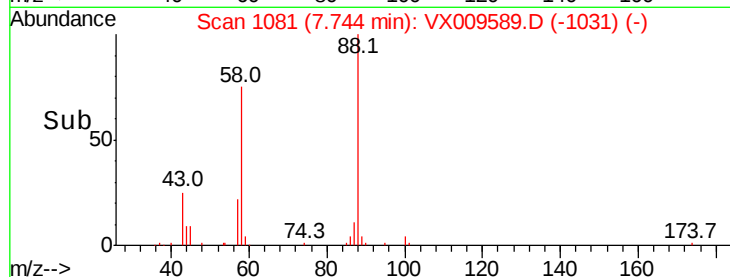
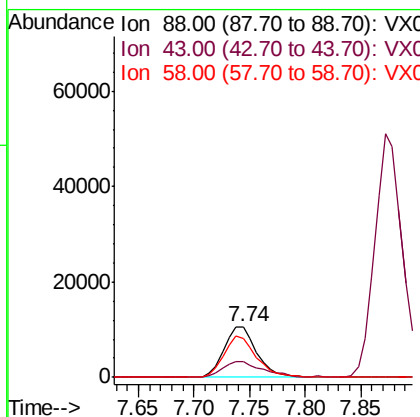
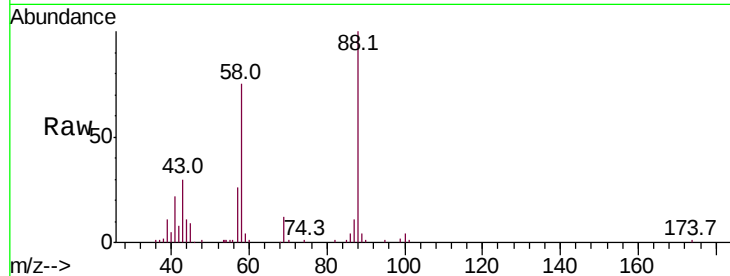
#49
1,4-Dioxane
Concen: 447.248 ug/l
RT: 7.74 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VX009589.D
Acq: 15 May 2019 18:44

Instrument :
MSVOA_X
ClientSampled :
VX0515WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.8	28.6	42.8
58	80.4	61.7	92.5

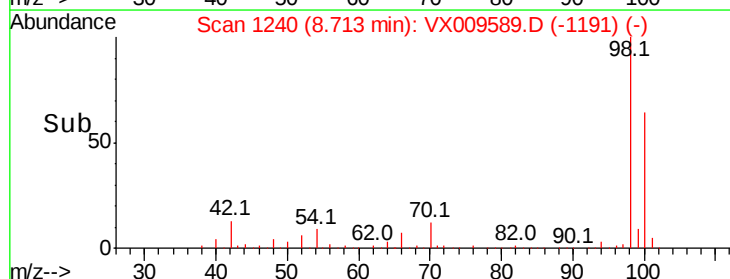
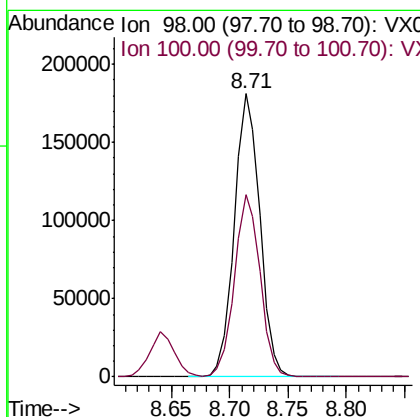
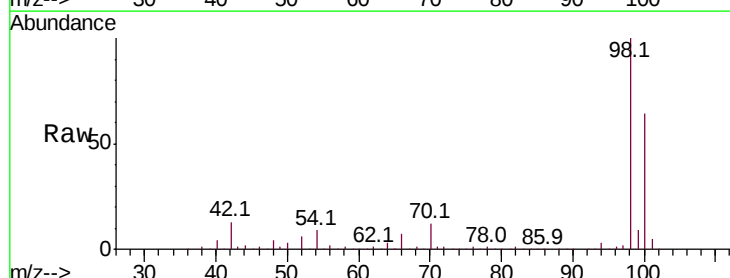
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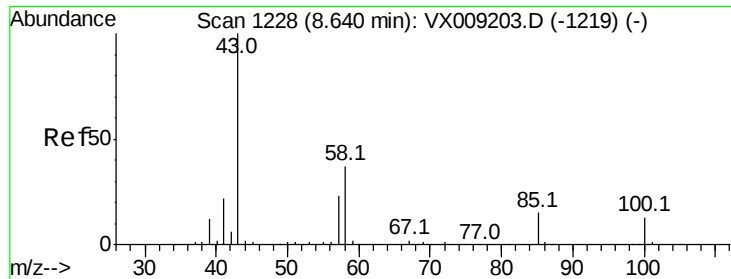
MMDadoda
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#50
Toluene-d8
Concen: 46.598 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009589.D
Acq: 15 May 2019 18:44

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.2	76.8





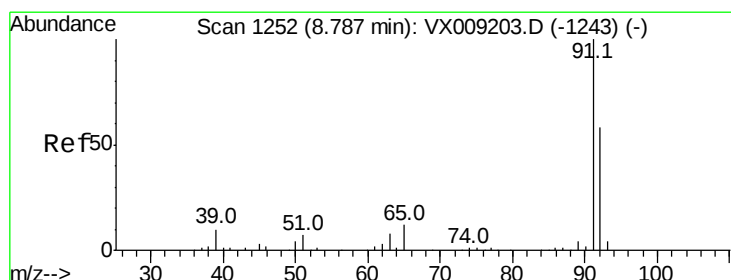
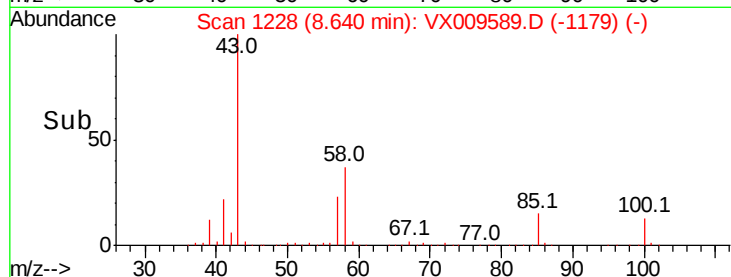
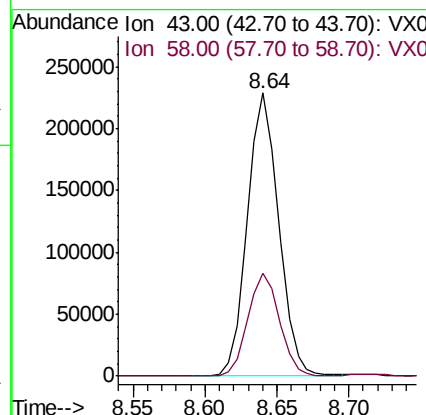
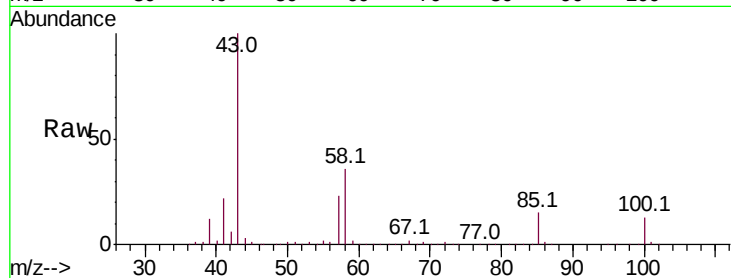
#51
 4-Methyl-2-Pentanone
 Concen: 108.498 ug/l
 RT: 8.64 min Scan# 1228
 Delta R.T. 0.00 min
 Lab File: VX009589.D
 Acq: 15 May 2019 18:44

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0515WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	36.7	29.5	44.3

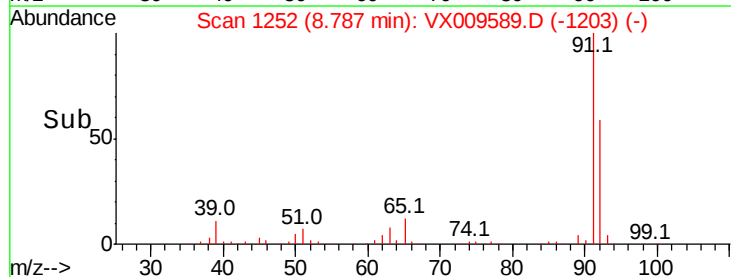
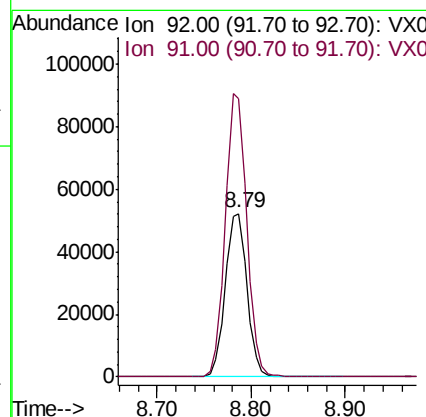
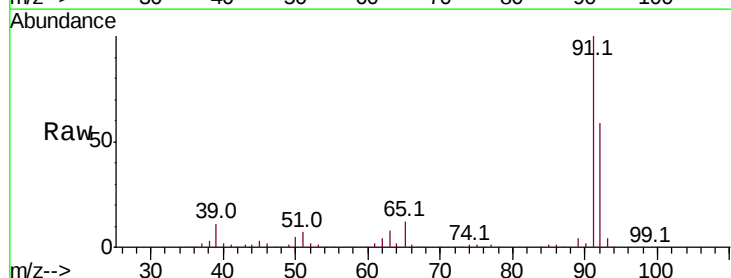
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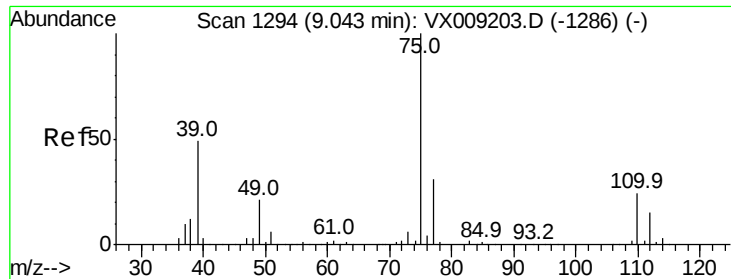
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#52
 Toluene
 Concen: 20.277 ug/l
 RT: 8.79 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VX009589.D
 Acq: 15 May 2019 18:44

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.0	138.8	208.2





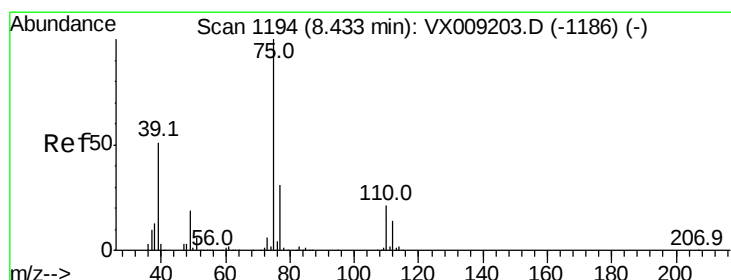
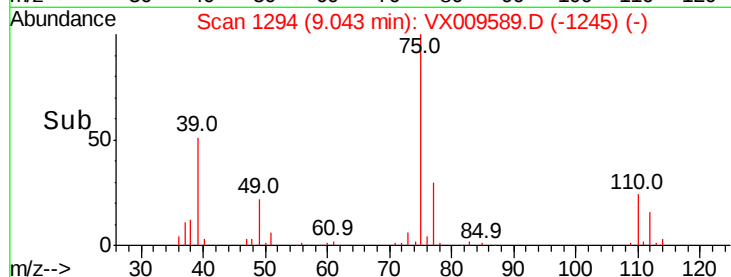
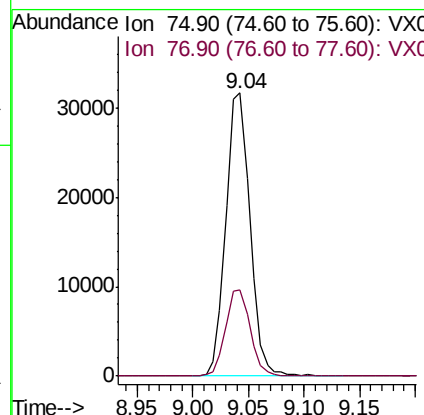
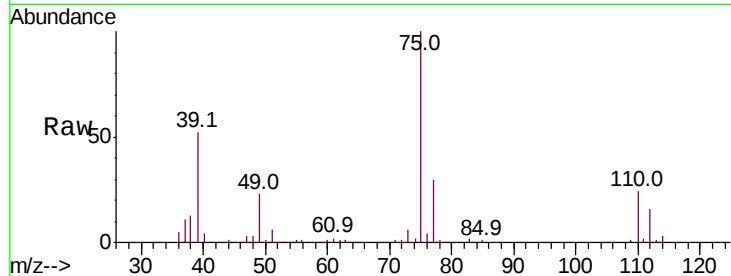
#53
t-1,3-Dichloropropene
Concen: 19.129 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX009589.D
Acq: 15 May 2019 18:44

Instrument :
MSVOA_X
ClientSampled :
VX0515WBSD01

Tot Ion: 75 Resp: 47813
Ion Ratio Lower Upper
75 100
77 30.3 25.0 37.6

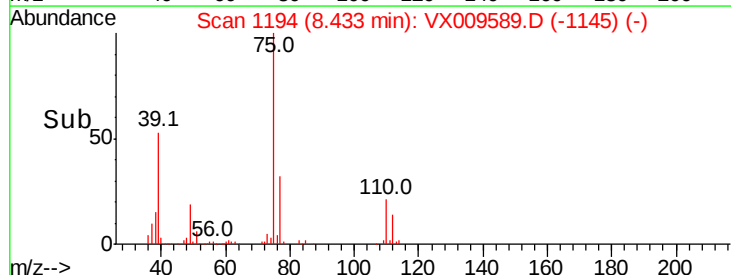
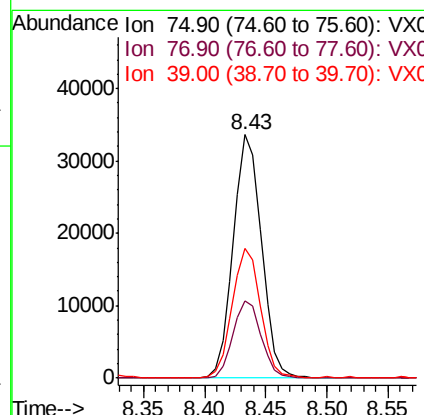
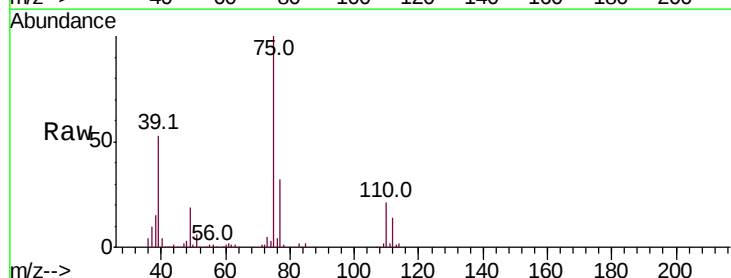
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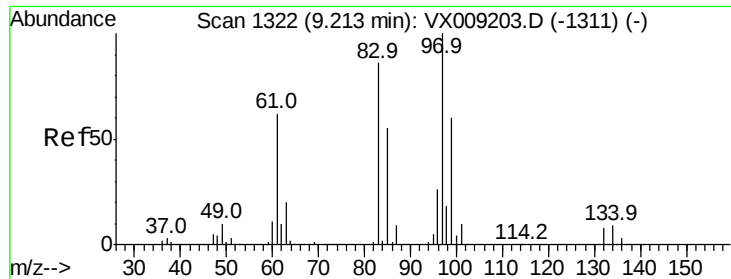
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#54
cis-1,3-Dichloropropene
Concen: 19.414 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX009589.D
Acq: 15 May 2019 18:44

Tgt Ion: 75 Resp: 53709
Ion Ratio Lower Upper
75 100
77 31.7 24.6 36.8
39 53.0 40.6 60.8





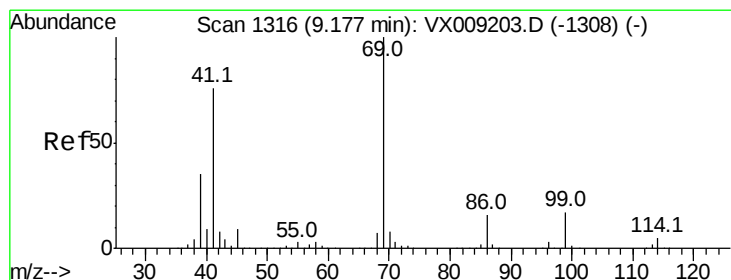
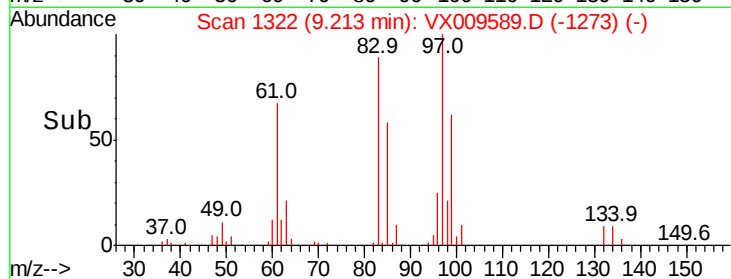
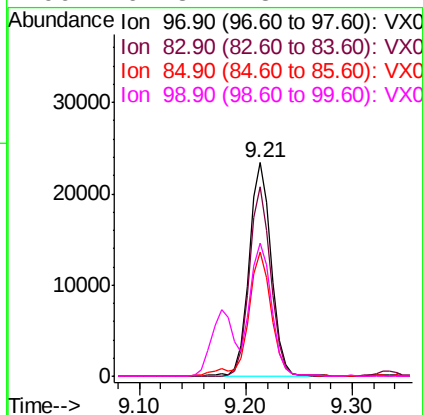
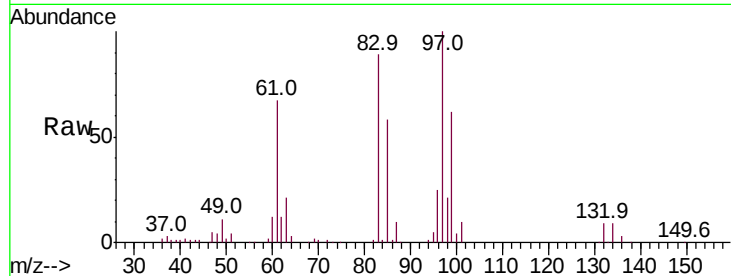
#55
 1,1,2-Trichloroethane
 Concen: 20.433 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX009589.D
 Acq: 15 May 2019 18:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0515WBSD01

Tot Ion:	97	Resp:	34202
Ion	Ratio	Lower	Upper
97	100		
83	88.9	68.9	103.3
85	58.1	43.8	65.6
99	62.3	48.2	72.2

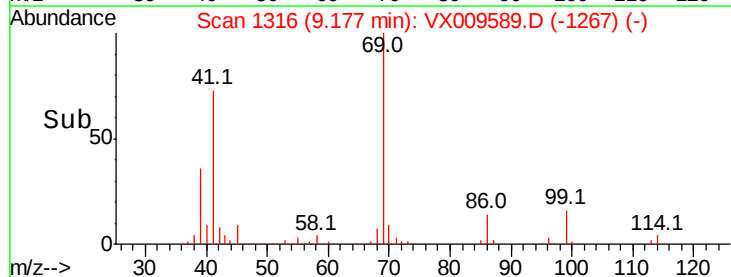
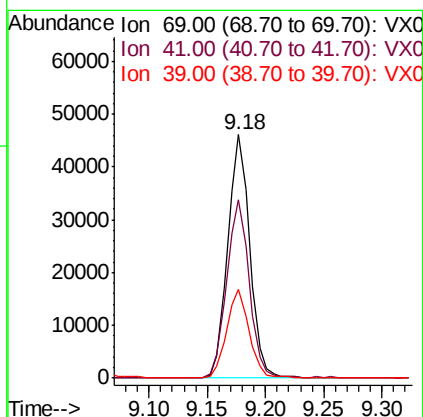
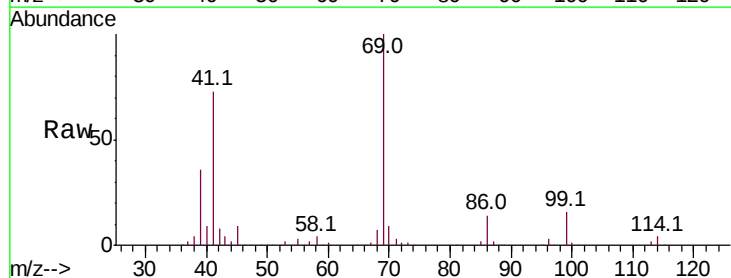
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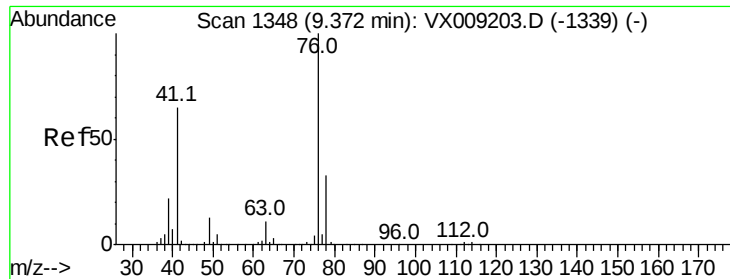
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#56
 Ethyl methacrylate
 Concen: 20.419 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX009589.D
 Acq: 15 May 2019 18:44

Tgt Ion:	69	Resp:	61012
Ion	Ratio	Lower	Upper
69	100		
41	74.1	60.6	90.8
39	36.6	28.2	42.4





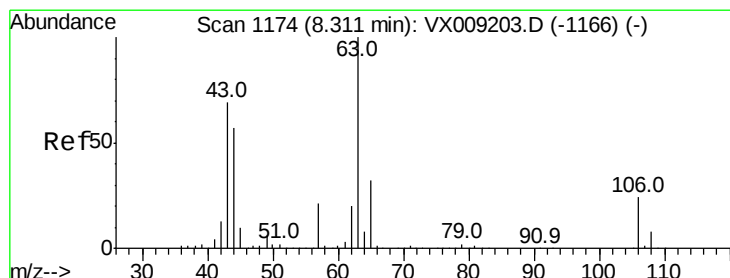
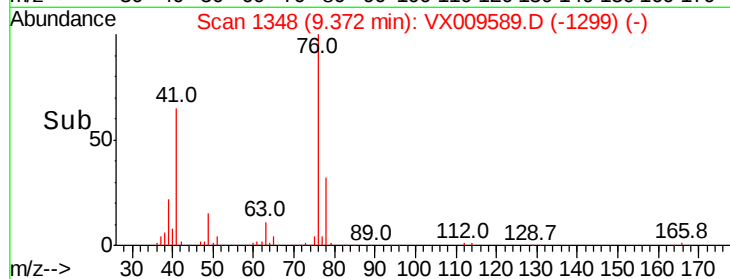
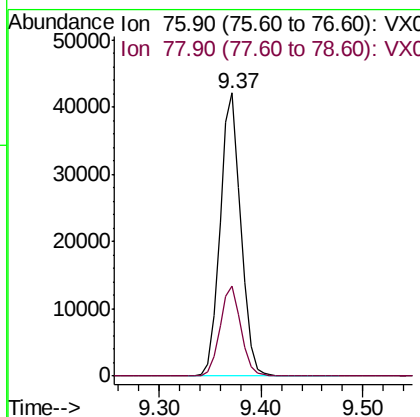
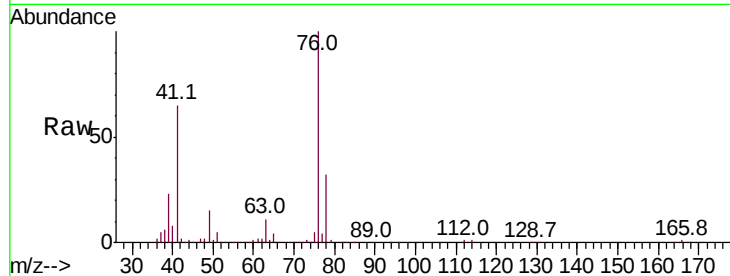
#57
 1,3-Dichloropropane
 Concen: 20.304 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX009589.D
 Acq: 15 May 2019 18:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0515WBSD01

Tot Ion: 76 Resp: 59806
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.5 38.3

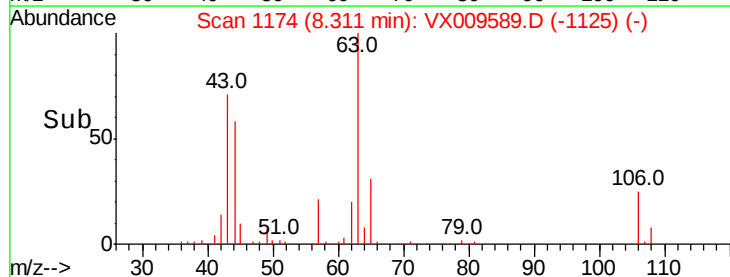
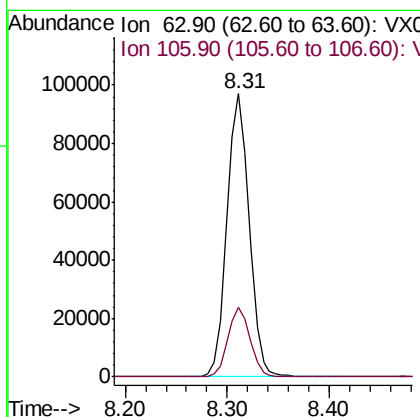
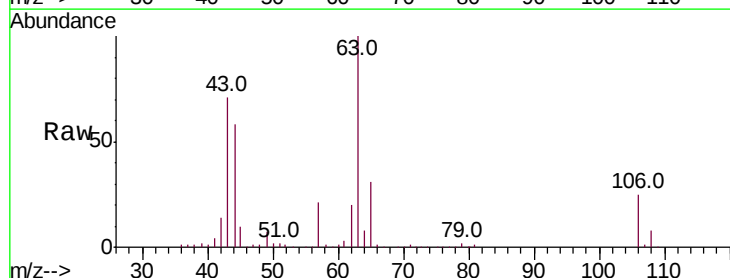
Manual Integrations
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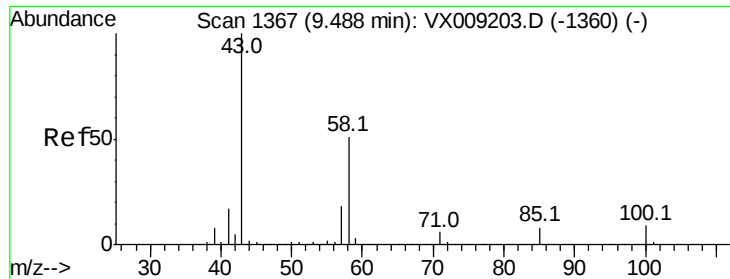
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#58
 2-Chloroethyl Vinyl ether
 Concen: 92.285 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX009589.D
 Acq: 15 May 2019 18:44

Tgt Ion: 63 Resp: 146280
 Ion Ratio Lower Upper
 63 100
 106 24.5 19.7 29.5





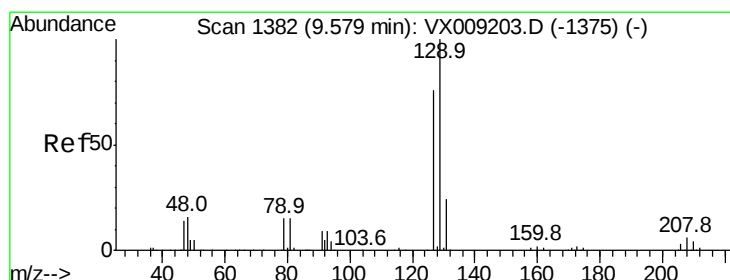
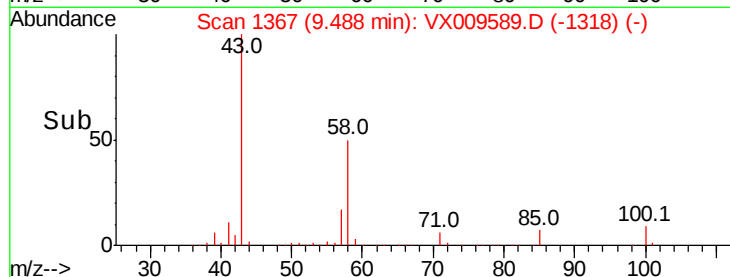
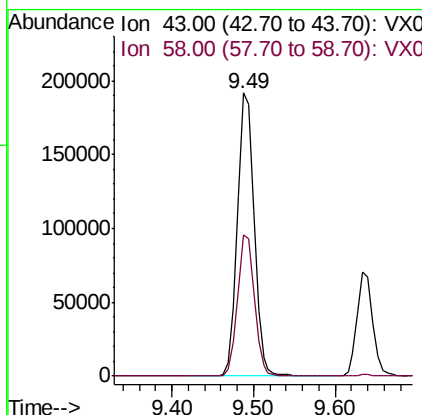
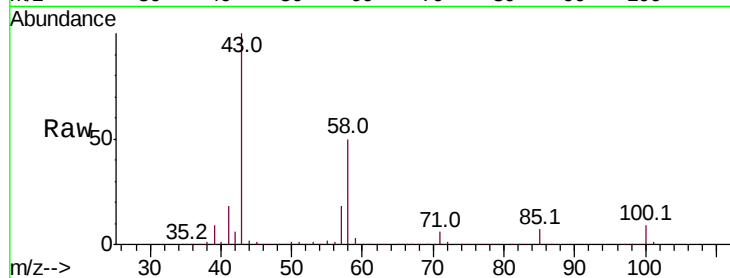
#59
2-Hexanone
Concen: 108.415 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX009589.D
Acq: 15 May 2019 18:44

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

Tot Ion: 43 Resp: 270509
Ion Ratio Lower Upper
43 100
58 50.0 25.9 77.7

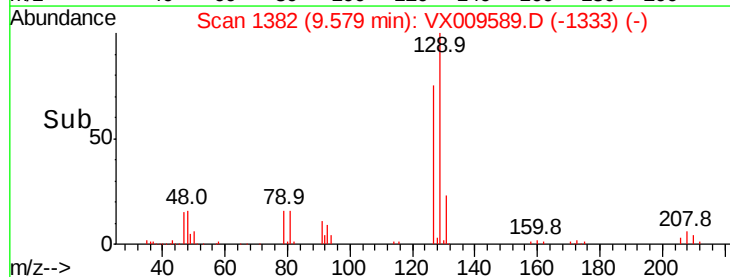
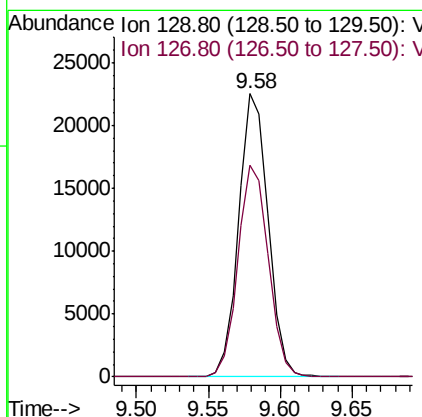
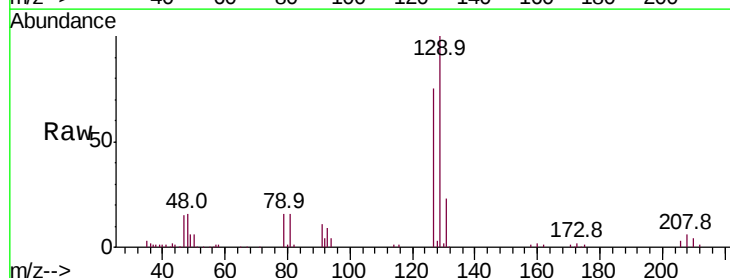
Manual Integrations
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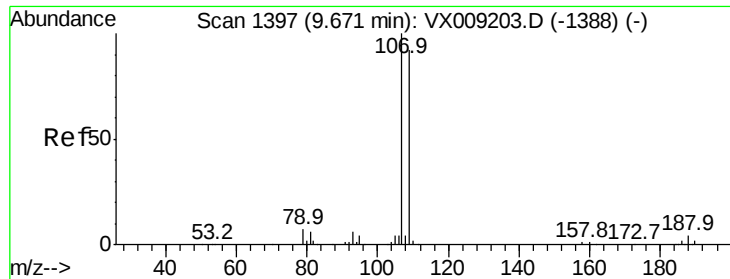
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#60
Dibromochloromethane
Concen: 19.585 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX009589.D
Acq: 15 May 2019 18:44

Tgt Ion: 129 Resp: 32019
Ion Ratio Lower Upper
129 100
127 77.3 38.4 115.1





#61

1,2-Dibromoethane

Concen: 20.479 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX009589.D

Acq: 15 May 2019 18:44

Instrument :

MSVOA_X

ClientSampleId :

VX0515WBSD01

Tot Ion:107 Resp: 34602

Ion Ratio Lower Upper

107 100

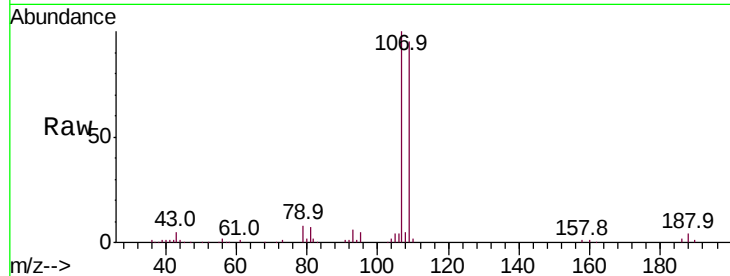
109 93.4 75.2 112.8

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

25000

20000

15000

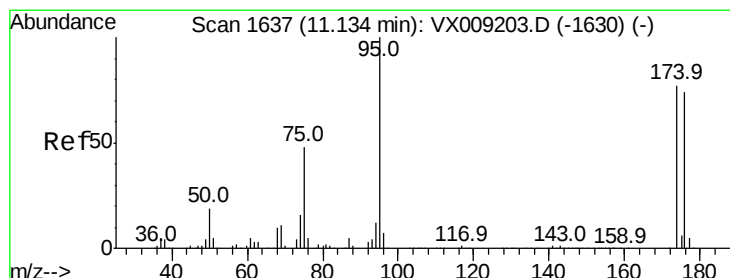
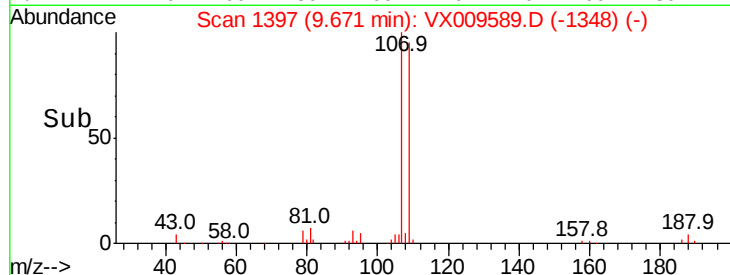
10000

5000

0

Time-->

9.60 9.65 9.70 9.75



#62

4-Bromofluorobenzene

Concen: 46.555 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009589.D

Acq: 15 May 2019 18:44

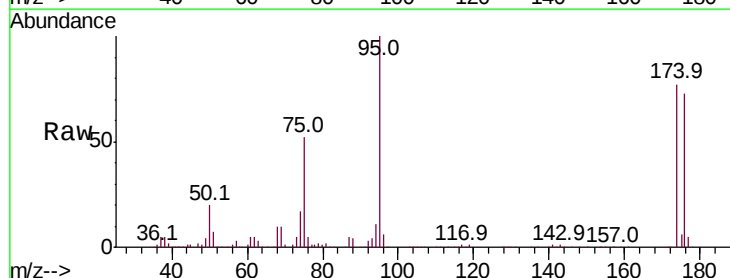
Tgt Ion: 95 Resp: 100756

Ion Ratio Lower Upper

95 100

174 83.2 0.0 161.6

176 79.9 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

11.13

100000

80000

60000

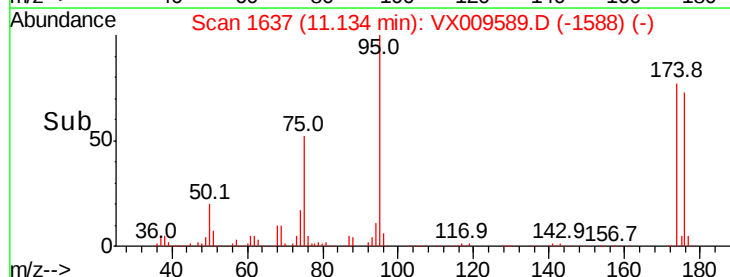
40000

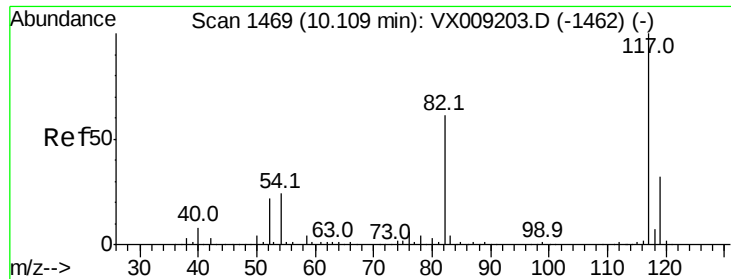
20000

0

Time-->

11.10 11.20





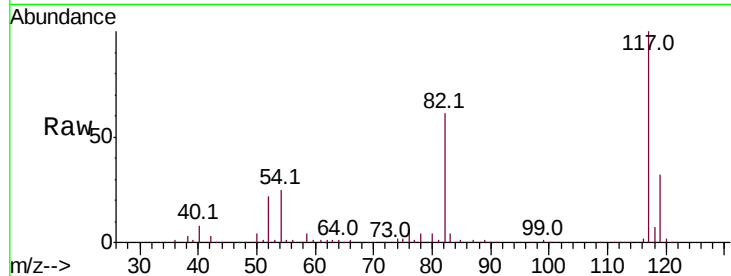
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009589.D
Acq: 15 May 2019 18:44

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	211437		
82	60.6	48.8	73.2	
119	32.3	25.8	38.6	

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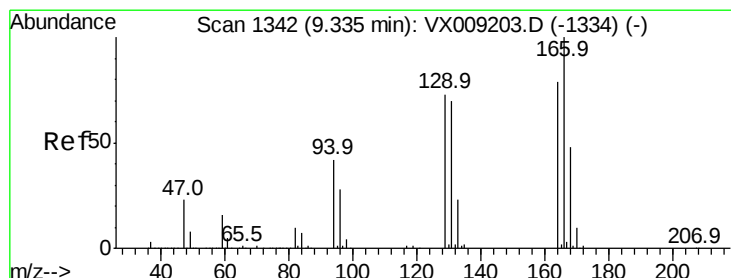
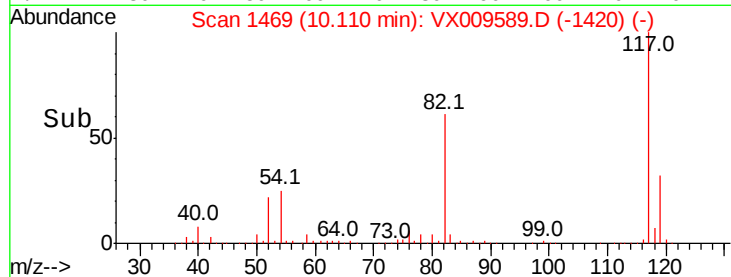
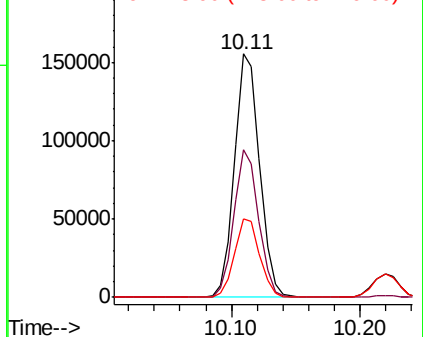


Abundance

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: 20.511 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009589.D
Acq: 15 May 2019 18:44

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	29748		
166	133.3	101.2	151.8	
129	96.7	74.3	111.5	
131	91.9	71.0	106.6	

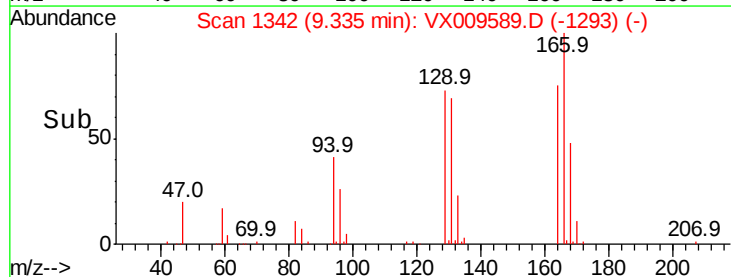
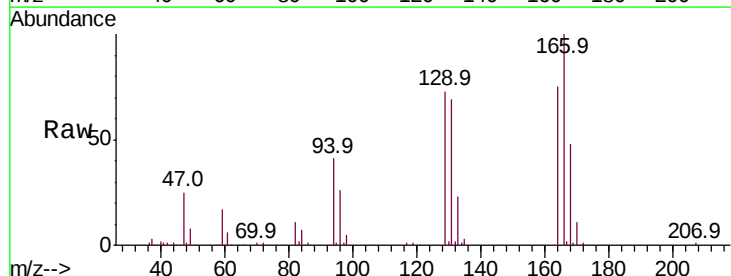
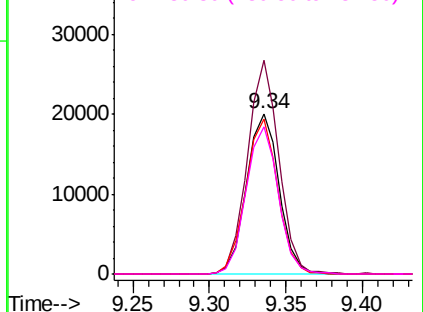
Abundance

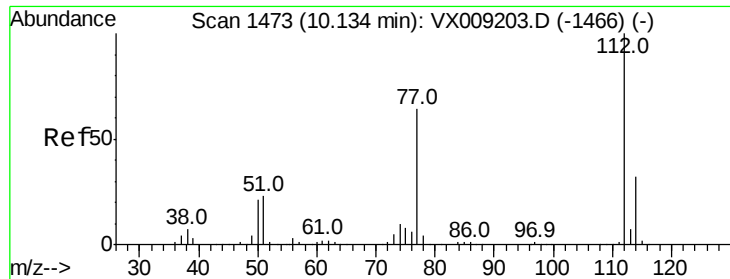
Ion 163.80 (163.50 to 164.50): V

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





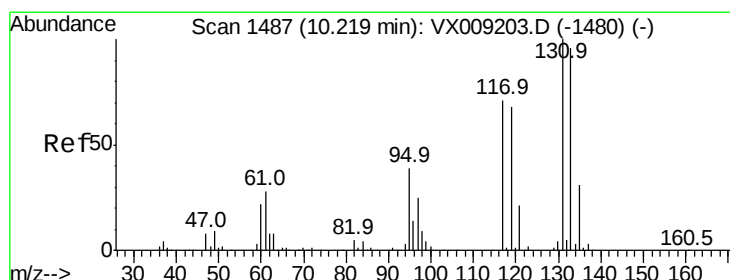
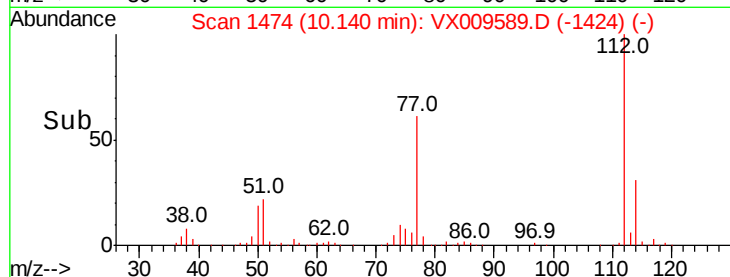
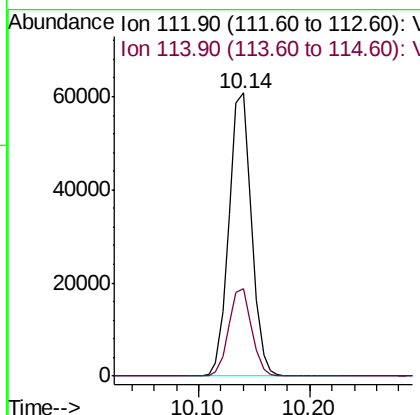
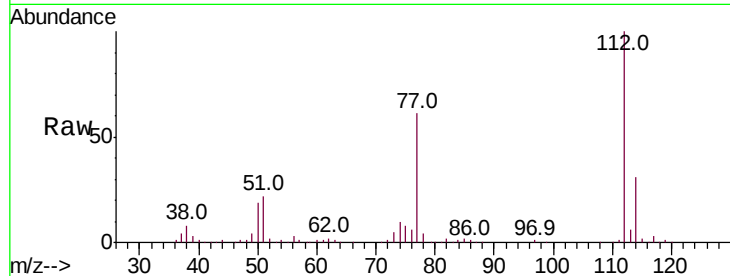
#65
Chlorobenzene
Concen: 20.174 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX009589.D
Acq: 15 May 2019 18:44

Instrument :
MSVOA_X
ClientSampled :
VX0515WBSD01

Tot Ion:112 Resp: 85331
Ion Ratio Lower Upper
112 100
114 30.9 25.5 38.3

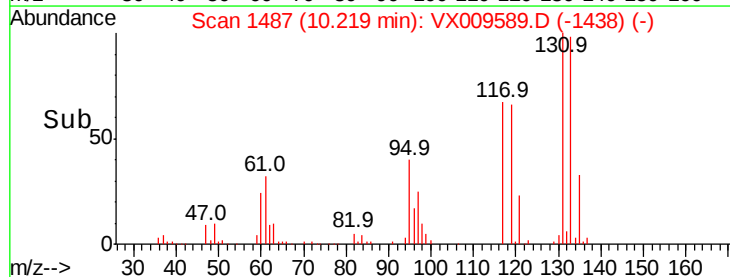
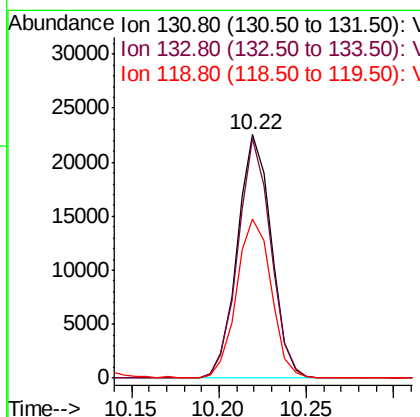
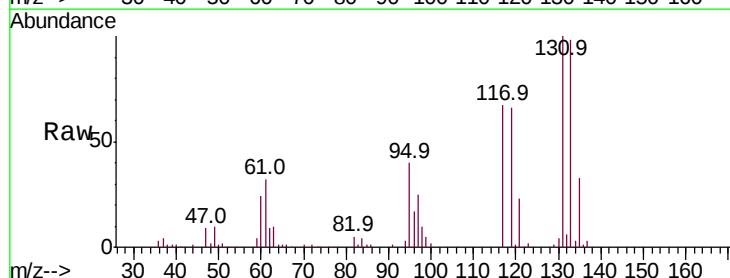
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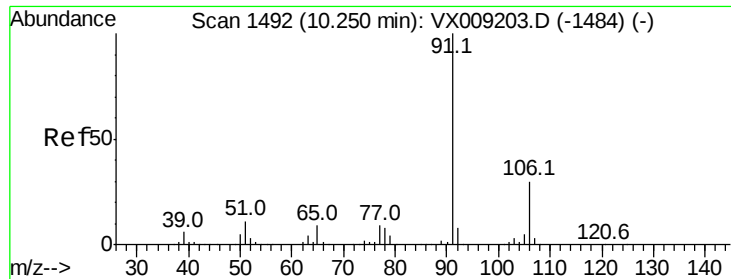
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.789 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX009589.D
Acq: 15 May 2019 18:44

Tgt Ion:131 Resp: 30345
Ion Ratio Lower Upper
131 100
133 96.1 47.7 143.1
119 67.5 33.5 100.4





#67

Ethyl Benzene

Concen: 19.923 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX009589.D

Acq: 15 May 2019 18:44

Instrument :

MSVOA_X

ClientSampleId :

VX0515WBSD01

Tot Ion: 91 Resp: 155087

Ion Ratio Lower Upper

91 100

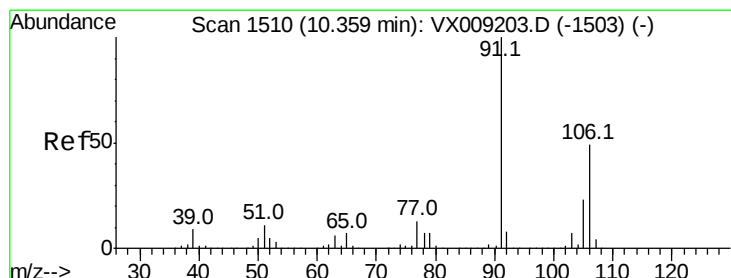
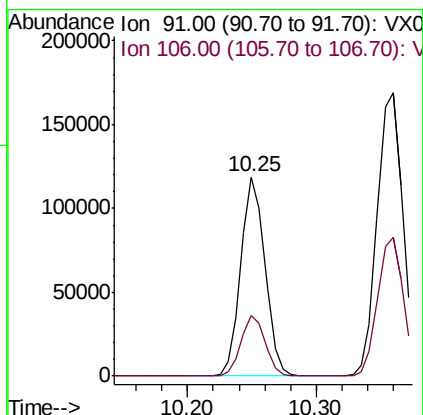
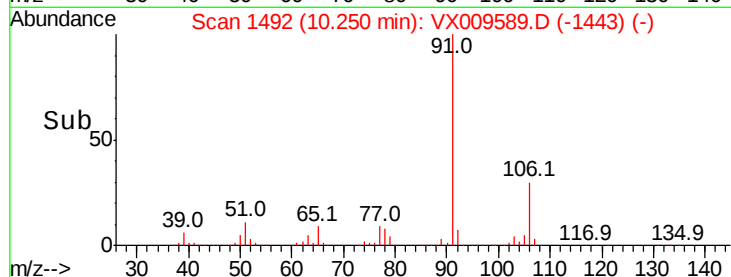
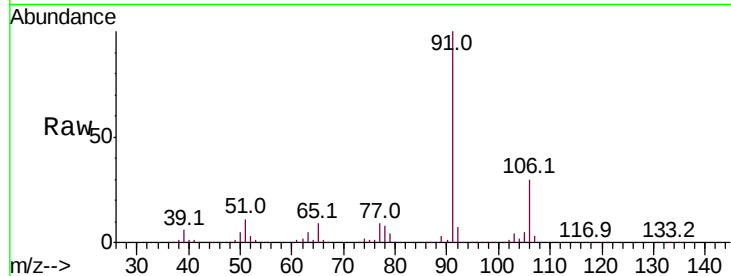
106 30.2 24.0 36.0

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#68

m/p-Xylenes

Concen: 40.437 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX009589.D

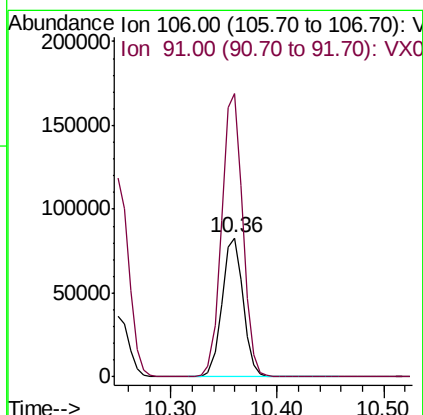
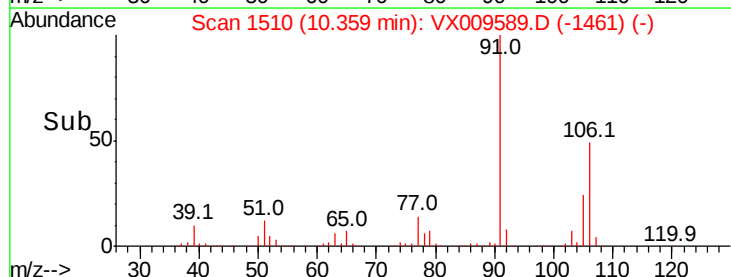
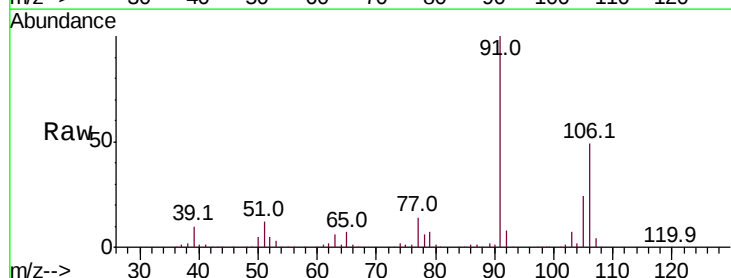
Acq: 15 May 2019 18:44

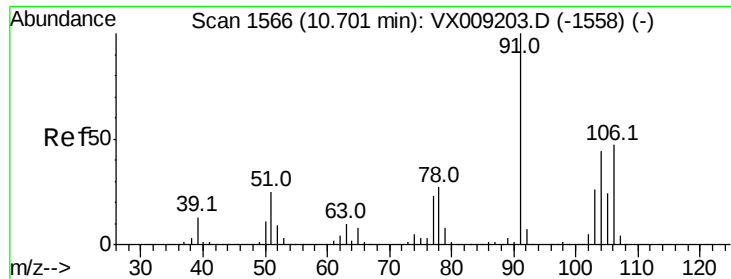
Tgt Ion: 106 Resp: 115027

Ion Ratio Lower Upper

106 100

91 204.1 164.0 246.0





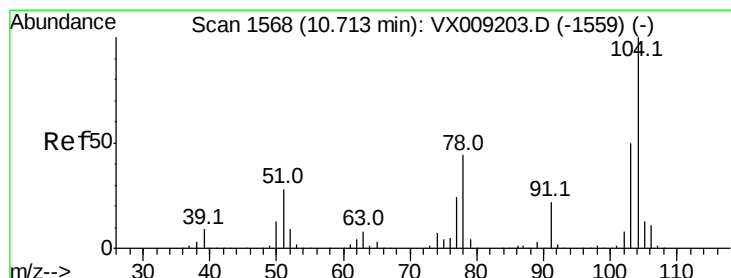
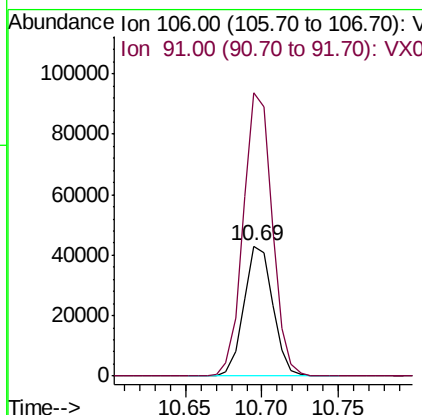
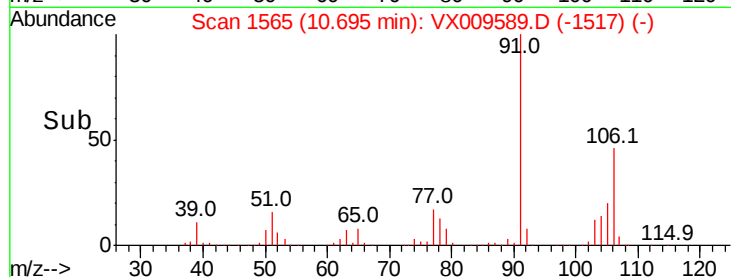
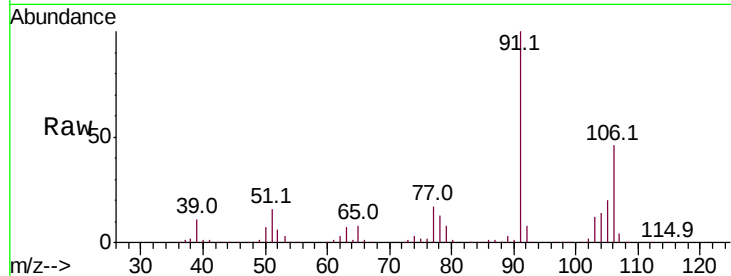
#69
o-Xylene
Concen: 20.033 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009589.D
Acq: 15 May 2019 18:44

Instrument :
MSVOA_X
ClientSampled :
VX0515WBSD01

Tot Ion:106 Resp: 56226
Ion Ratio Lower Upper
106 100
91 219.1 109.5 328.4

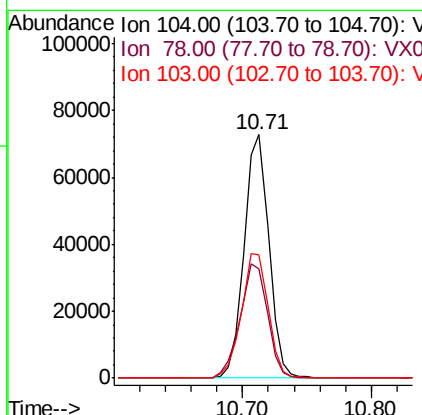
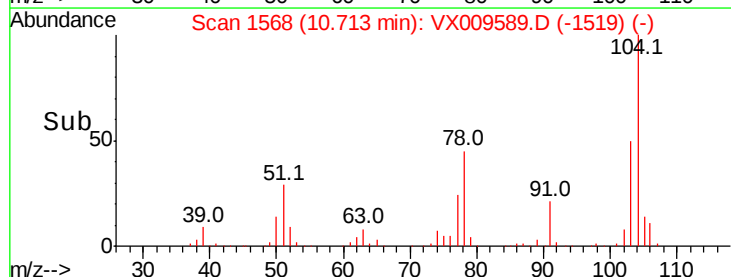
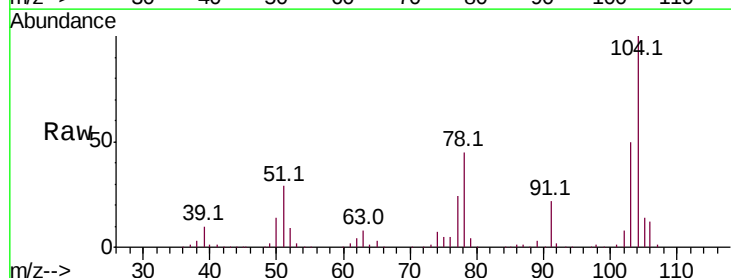
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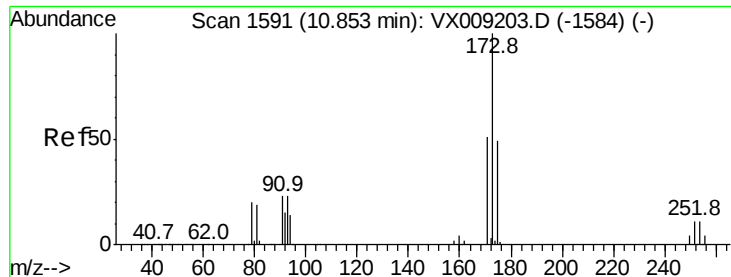
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#70
Styrene
Concen: 19.735 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX009589.D
Acq: 15 May 2019 18:44

Tgt Ion:104 Resp: 96268
Ion Ratio Lower Upper
104 100
78 52.4 41.0 61.4
103 56.2 43.8 65.6





#71

Bromoform

Concen: 19.664 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX009589.D

Acq: 15 May 2019 18:44

Instrument :

MSVOA_X

ClientSampleId :

VX0515WBSD01

Tot Ion:173 Resp: 24504

Ion Ratio Lower Upper

173 100

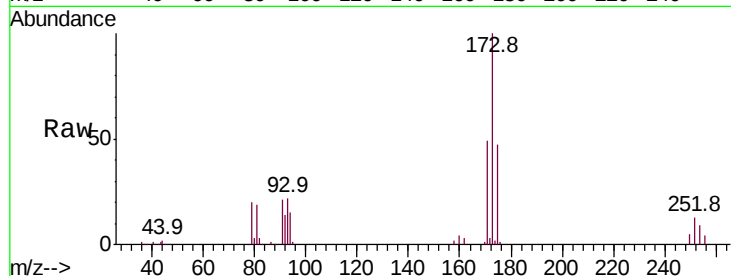
175 46.8 24.5 73.5

254 0.0 0.1 0.1#

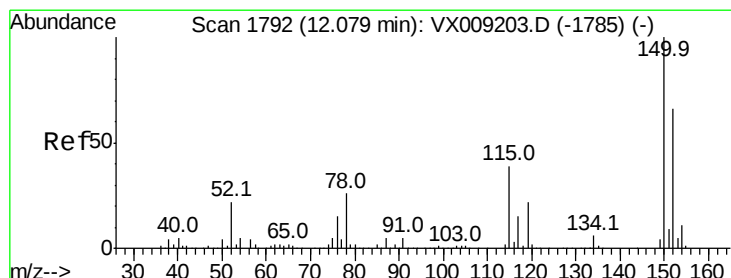
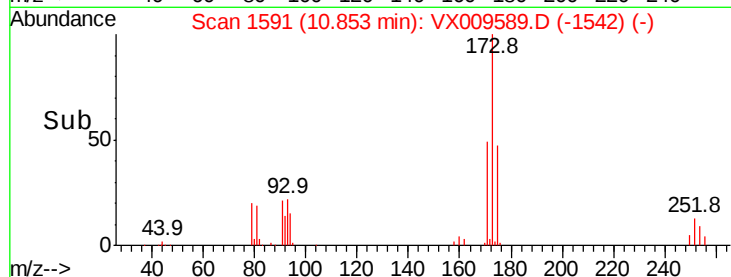
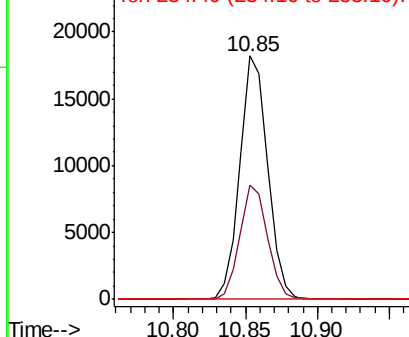
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009589.D

Acq: 15 May 2019 18:44

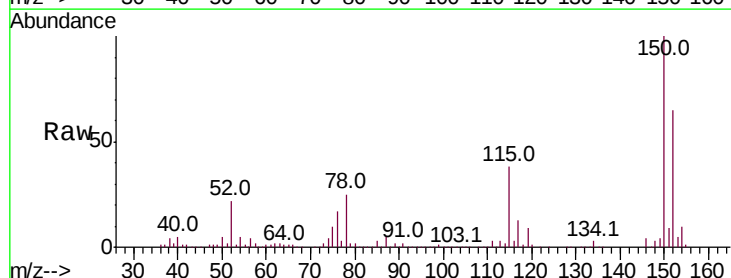
Tgt Ion:152 Resp: 102920

Ion Ratio Lower Upper

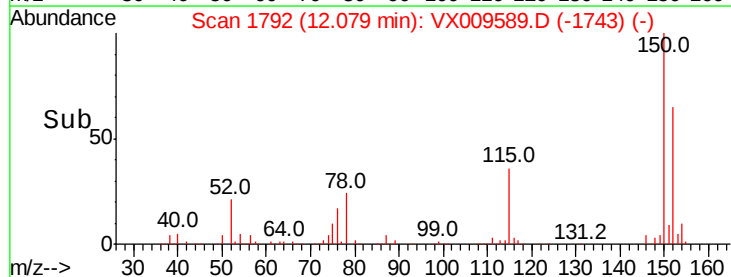
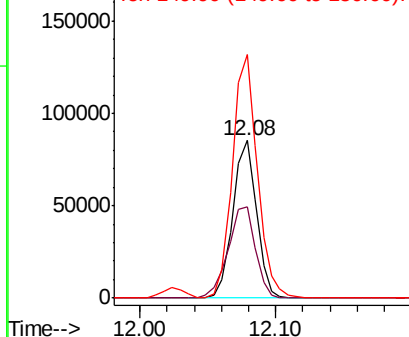
152 100

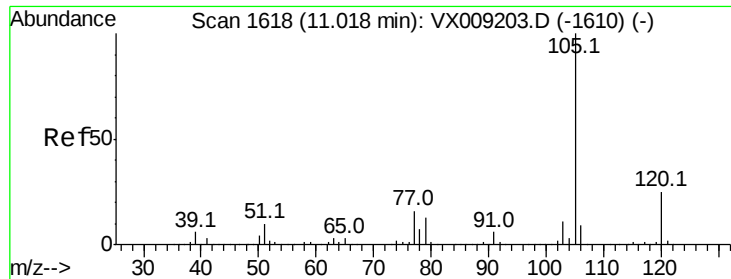
115 67.4 41.2 123.6

150 163.1 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: 19.866 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX009589.D

Acq: 15 May 2019 18:44

Instrument :

MSVOA_X

ClientSampleId :

VX0515WBSD01

Tot Ion:105 Resp: 148679

Ion Ratio Lower Upper

105 100

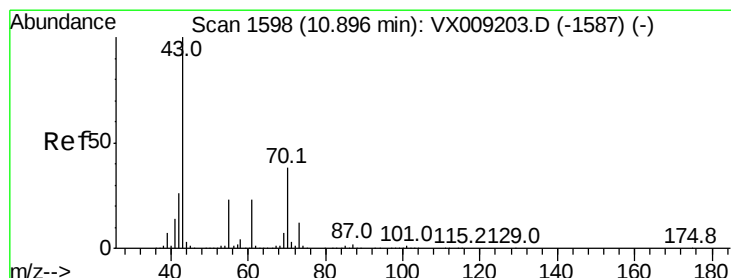
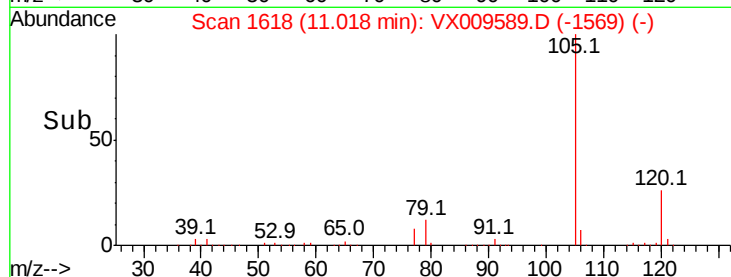
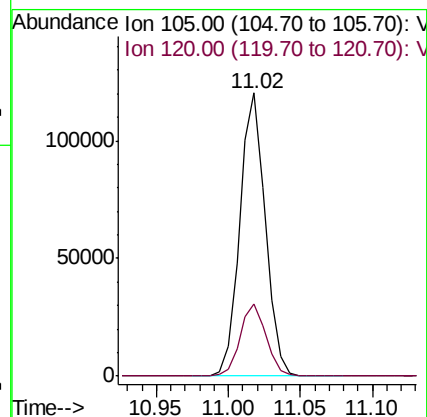
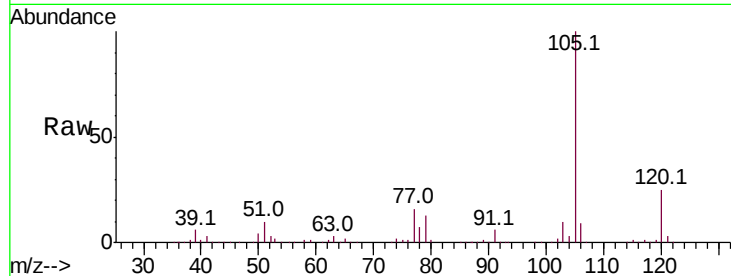
120 25.8 12.8 38.3

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#74

N-ethyl acetate

Concen: 20.470 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX009589.D

Acq: 15 May 2019 18:44

Tgt Ion: 43 Resp: 89320

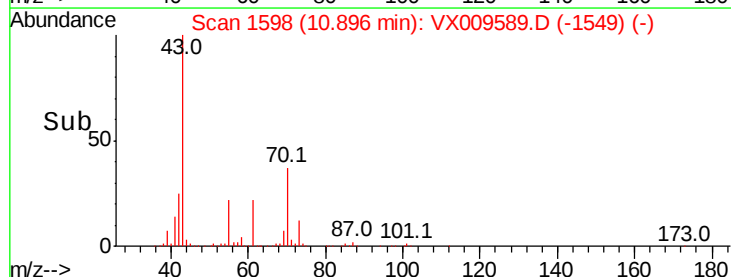
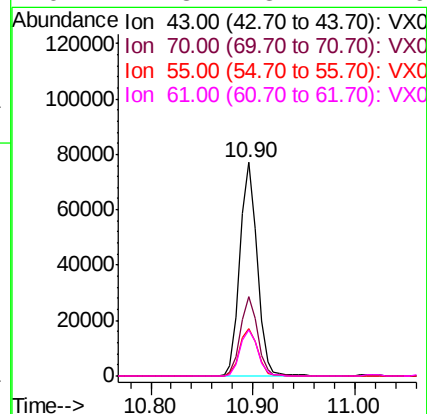
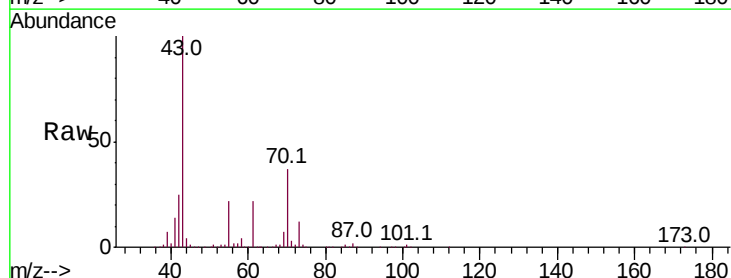
Ion Ratio Lower Upper

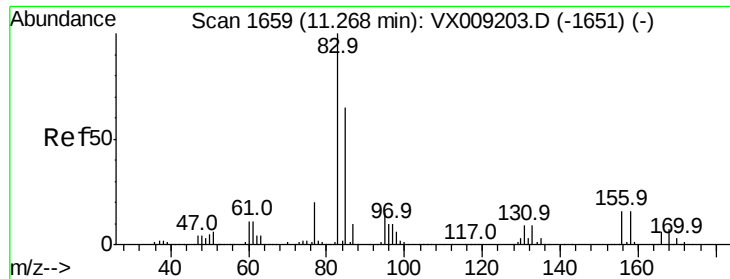
43 100

70 36.6 30.0 45.0

55 23.3 17.9 26.9

61 22.3 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 20.382 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX009589.D

Acq: 15 May 2019 18:44

Instrument :

MSVOA_X

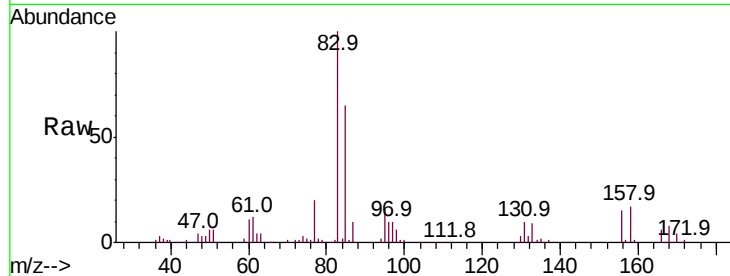
ClientSampleId :

VX0515WBSD01

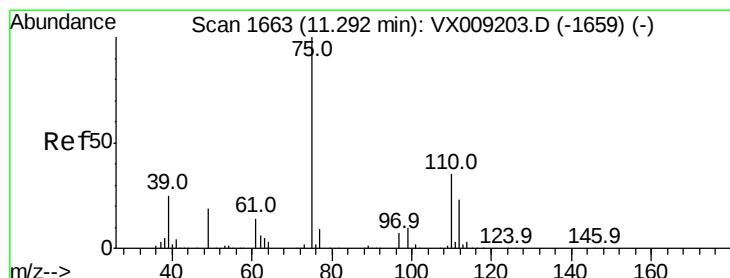
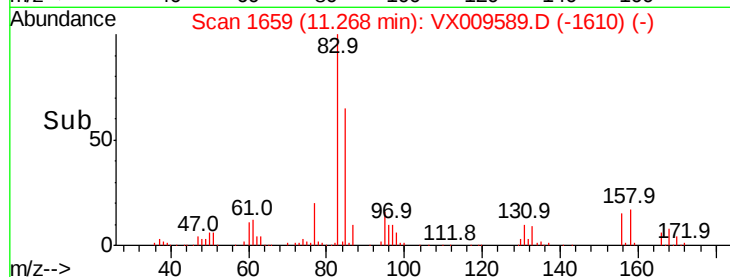
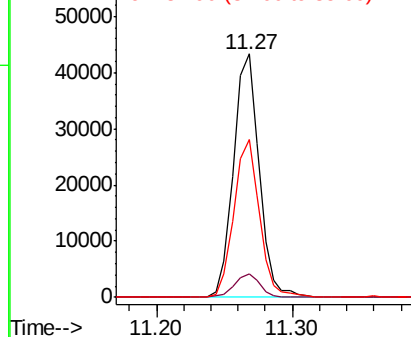
Tot Ion:	83	Resp:	56867
Ion Ratio	Lower	Upper	
83	100		
131	9.6	4.6	13.8
85	64.7	32.0	96.2

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



#76

1,2,3-Trichloropropane

Concen: 20.711 ug/l m

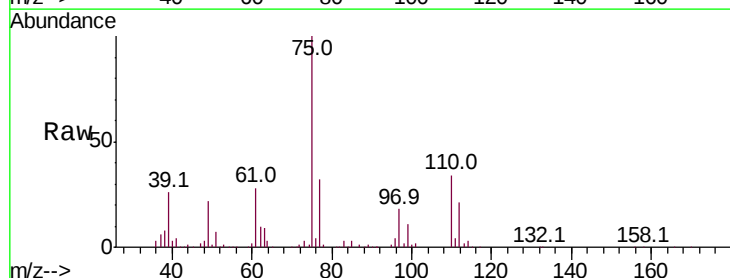
RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

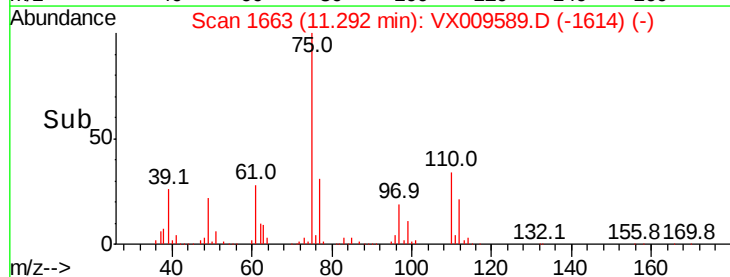
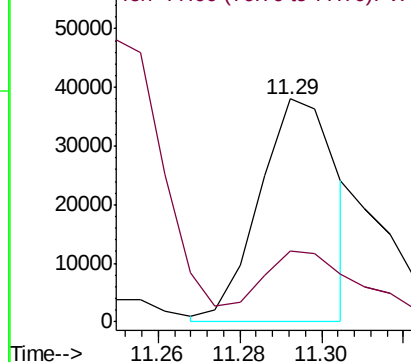
Lab File: VX009589.D

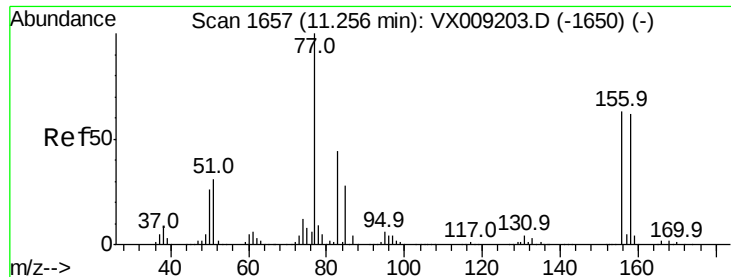
Acq: 15 May 2019 18:44

Tgt Ion:	75	Resp:	49445
Ion Ratio	Lower	Upper	
75	100		
77	42.2	22.1	66.1



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





#77

Bromobenzene

Concen: 20.017 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX009589.D

Acq: 15 May 2019 18:44

Instrument :

MSVOA_X

ClientSampleId :

VX0515WBSD01

Tot Ion:156 Resp: 37183

Ion Ratio Lower Upper

156 100

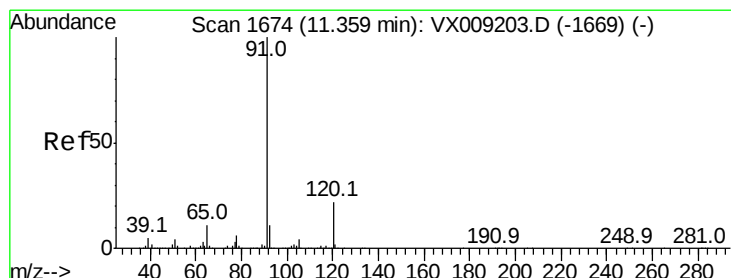
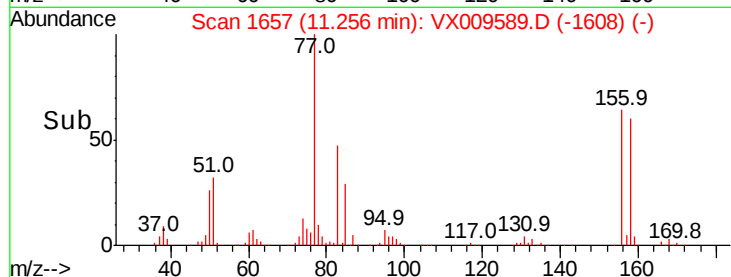
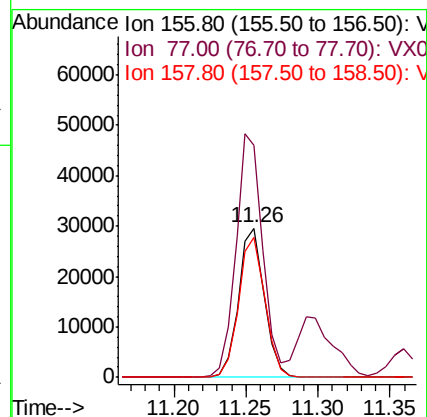
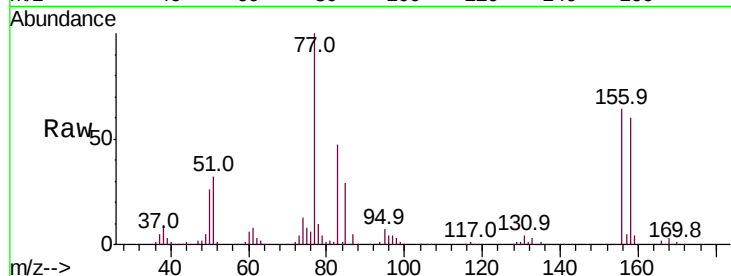
77 168.3 84.8 254.3

158 95.8 49.1 147.3

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#78

n-propylbenzene

Concen: 19.567 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX009589.D

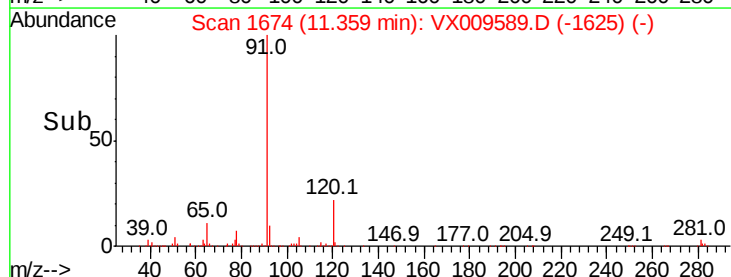
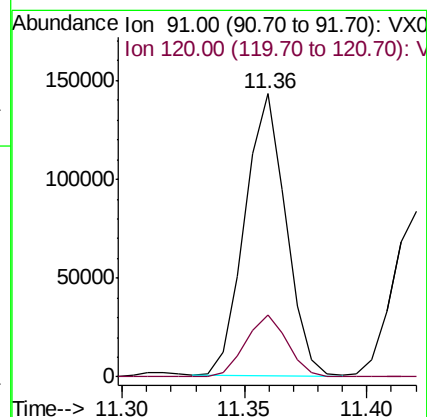
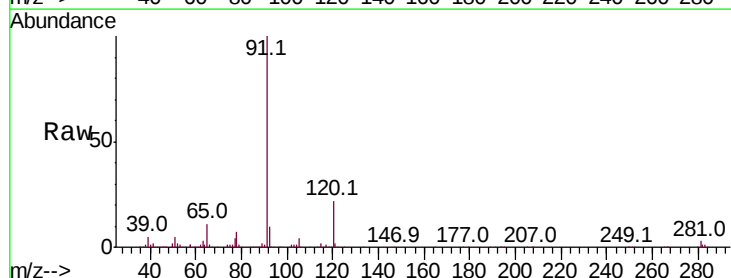
Acq: 15 May 2019 18:44

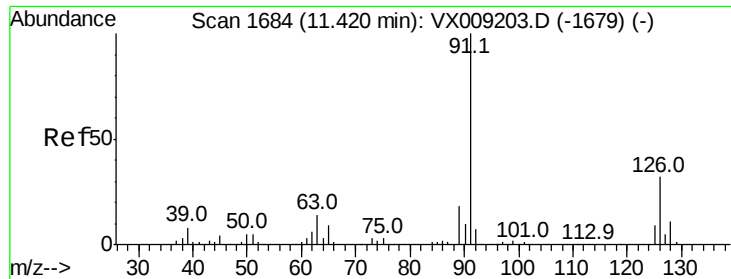
Tgt Ion: 91 Resp: 167248

Ion Ratio Lower Upper

91 100

120 22.2 11.0 33.0





#79

2-Chlorotoluene

Concen: 19.472 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX009589.D

Acq: 15 May 2019 18:44

Instrument :

MSVOA_X

ClientSampleId :

VX0515WBSD01

Tot Ion: 91 Resp: 102683

Ion Ratio Lower Upper

91 100

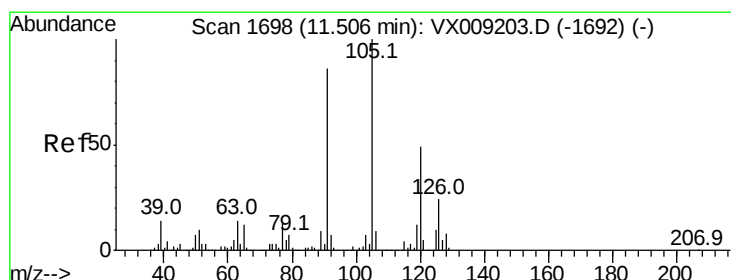
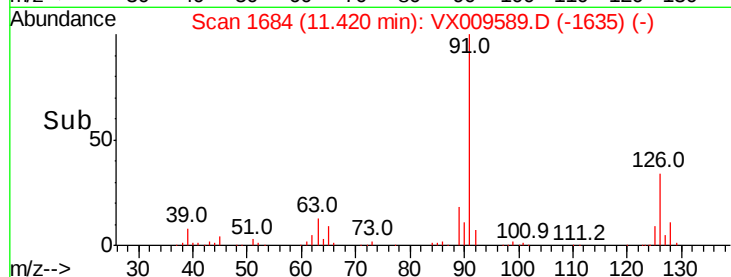
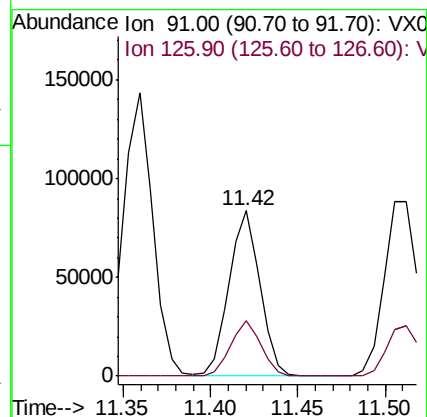
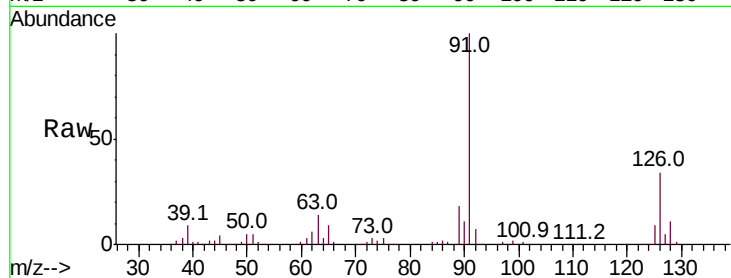
126 33.1 16.3 48.9

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.192 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009589.D

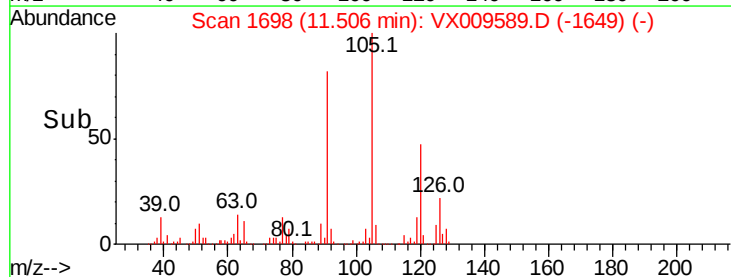
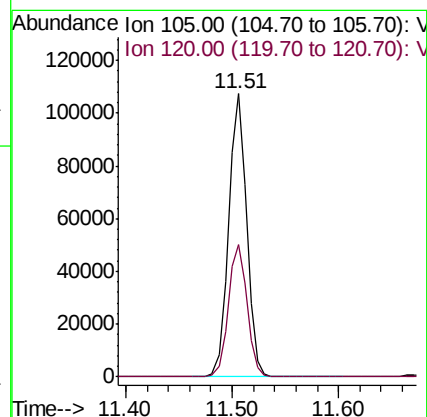
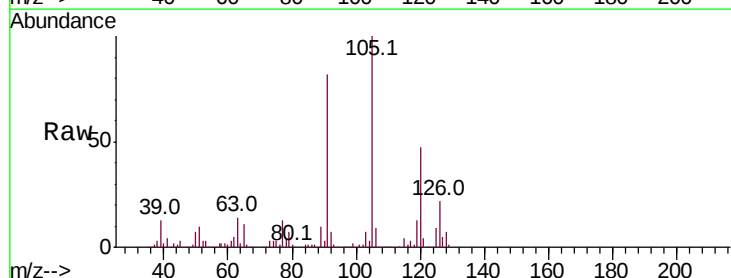
Acq: 15 May 2019 18:44

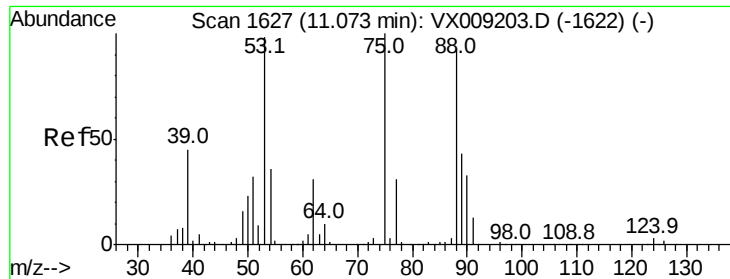
Tgt Ion: 105 Resp: 127243

Ion Ratio Lower Upper

105 100

120 48.1 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 18.375 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX009589.D

Acq: 15 May 2019 18:44

Instrument :

MSVOA_X

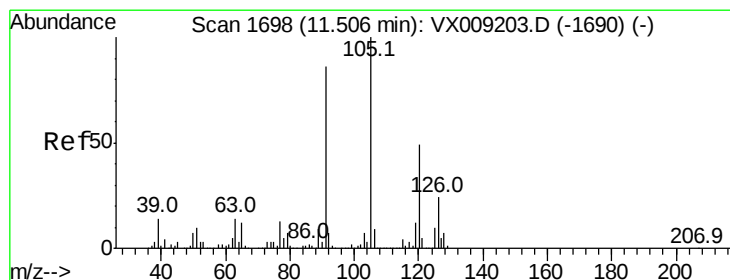
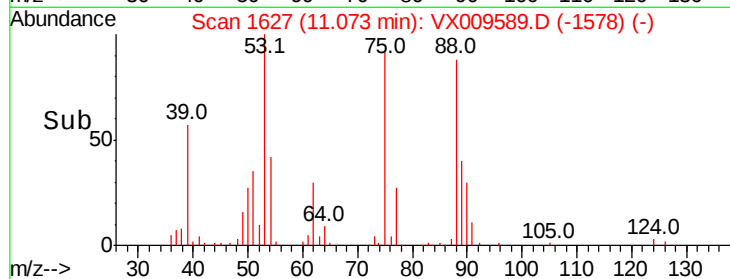
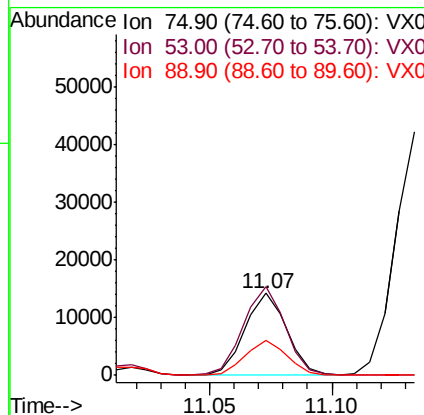
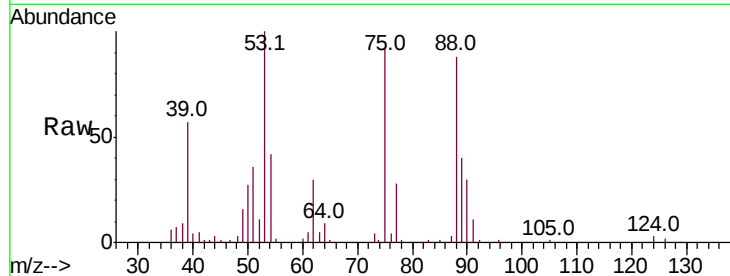
ClientSampleId :

VX0515WBSD01

Tot Ion:	75	Resp:	17145
Ion	Ratio	Lower	Upper
75	100		
53	108.2	79.0	118.6
89	42.8	34.7	52.1

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#82

4-Chlorotoluene

Concen: 19.648 ug/l

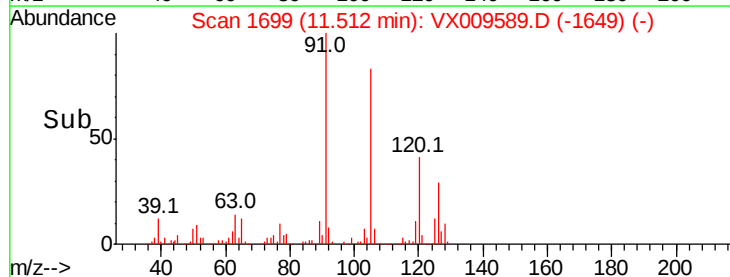
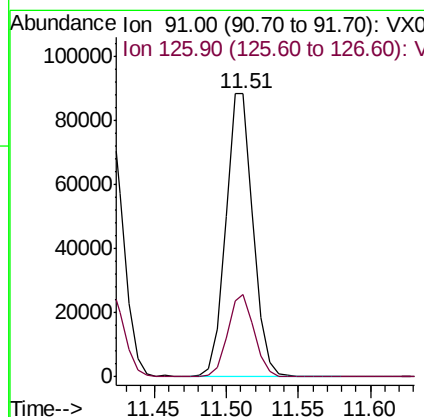
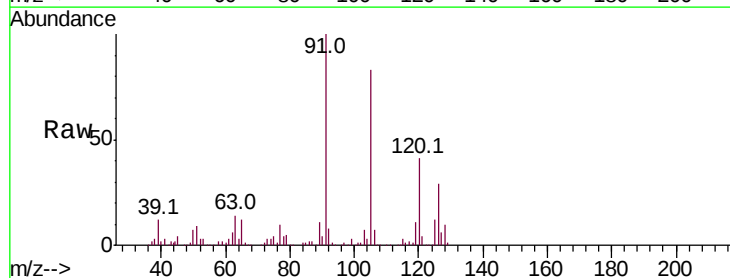
RT: 11.51 min Scan# 1699

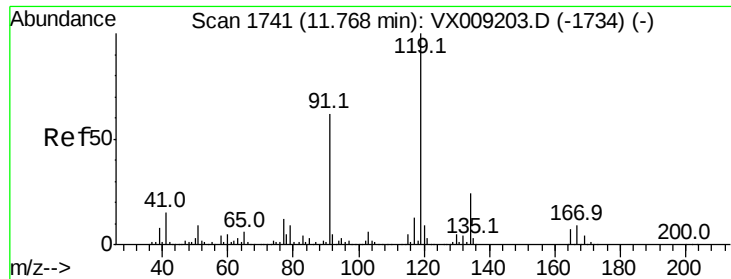
Delta R.T. 0.01 min

Lab File: VX009589.D

Acq: 15 May 2019 18:44

Tgt Ion:	91	Resp:	117048
Ion	Ratio	Lower	Upper
91	100		
126	28.5	14.5	43.6





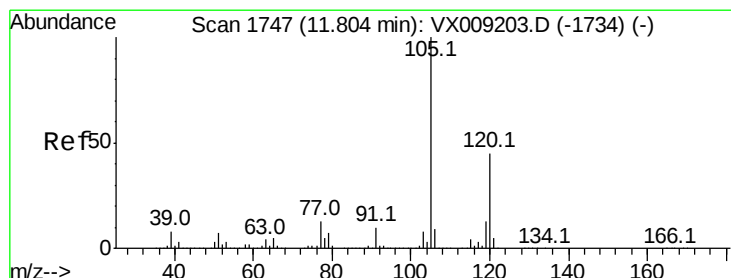
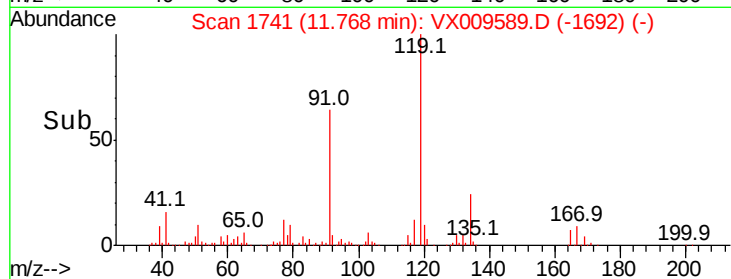
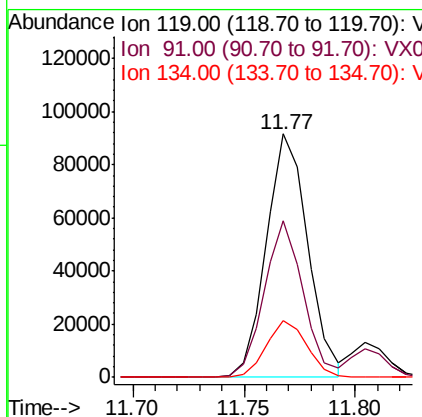
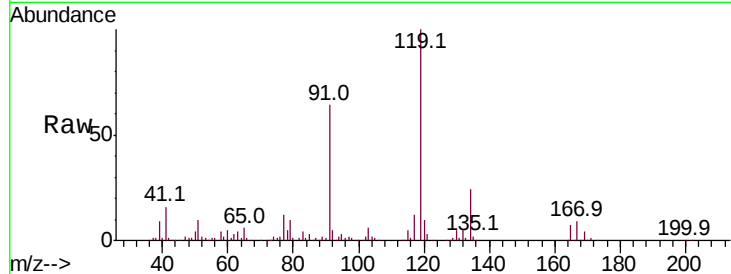
#83
tert-Butylbenzene
Concen: 19.364 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX009589.D
Acq: 15 May 2019 18:44

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	118706		
91	60.3	29.5	88.5	
134	22.9	11.4	34.1	

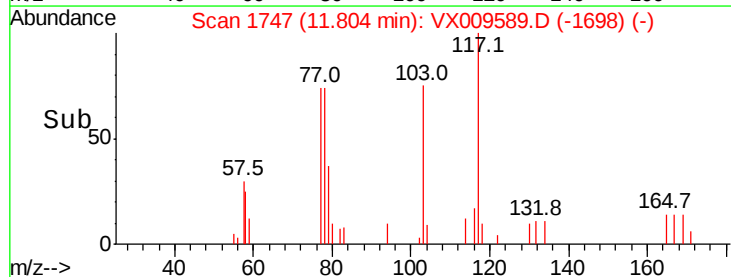
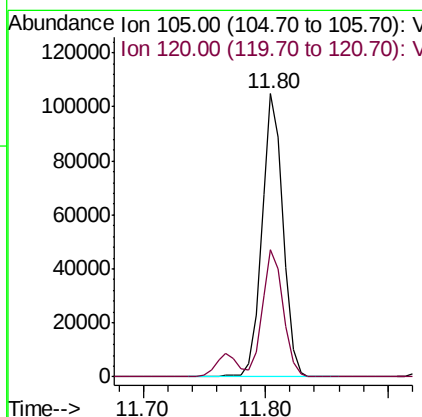
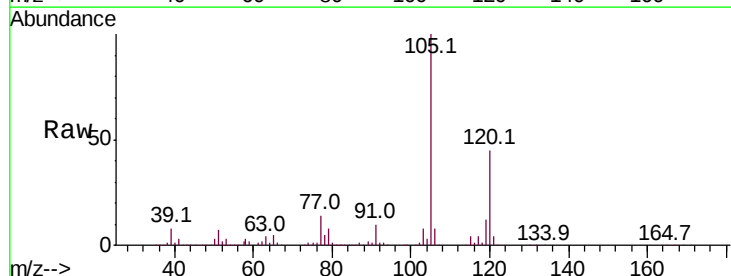
Manual Integrations
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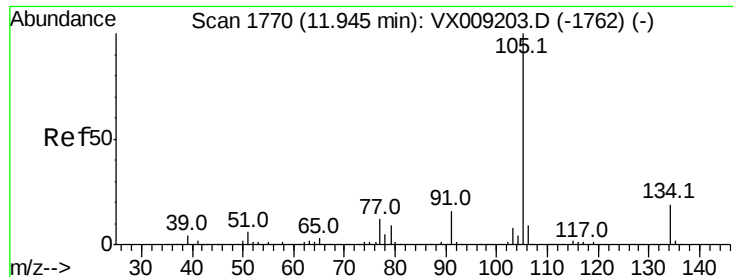
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 19.943 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX009589.D
Acq: 15 May 2019 18:44

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	126145		
120	44.0	22.0	66.0	





#85

sec-Butylbenzene

Concen: 19.635 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX009589.D

Acq: 15 May 2019 18:44

Instrument :

MSVOA_X

ClientSampleId :

VX0515WBSD01

Tot Ion:105 Resp: 142707

Ion Ratio Lower Upper

105 100

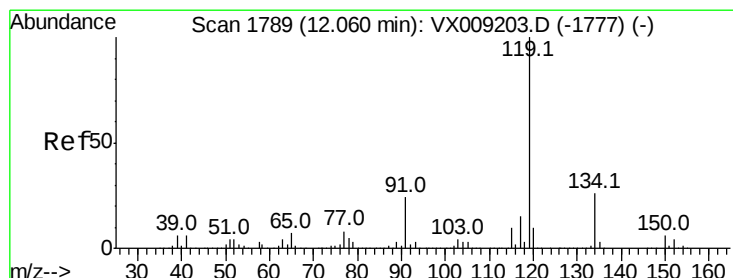
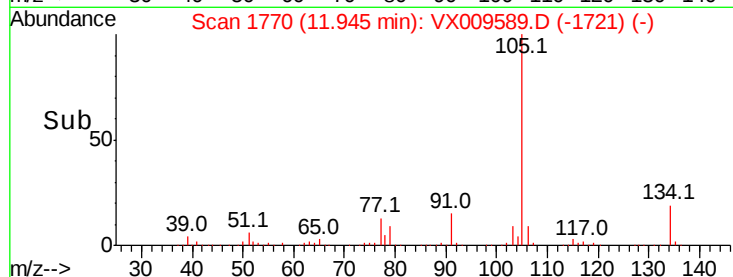
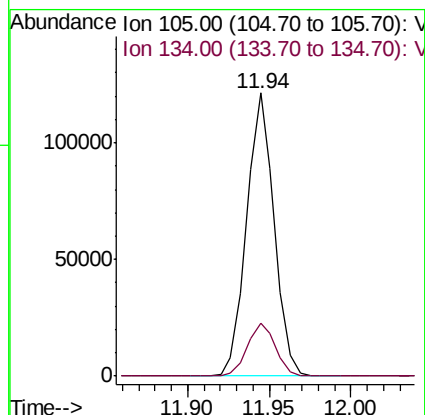
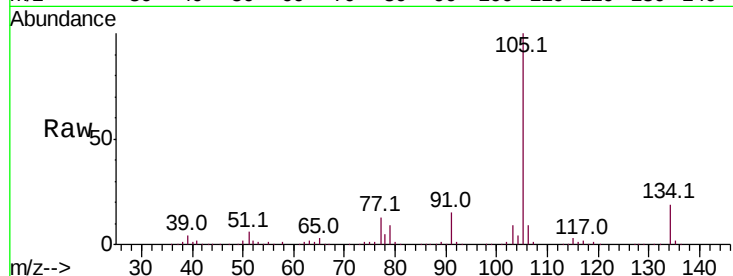
134 19.2 9.7 28.9

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 19.509 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX009589.D

Acq: 15 May 2019 18:44

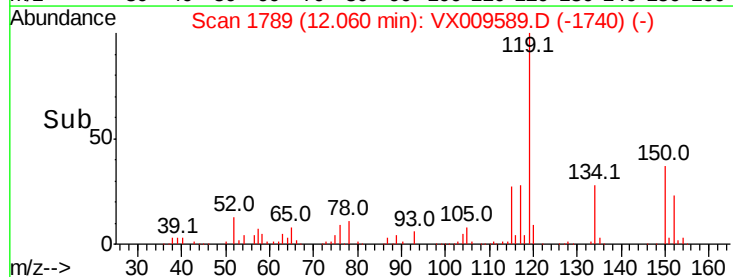
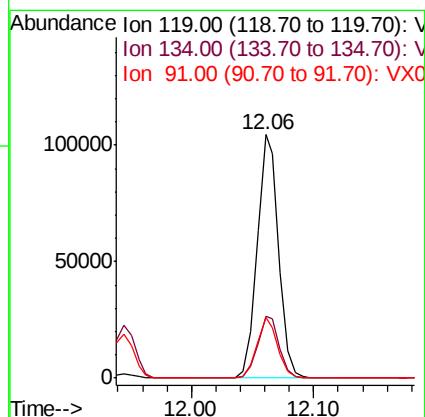
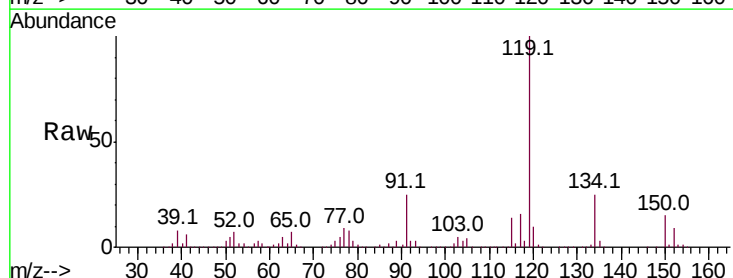
Tgt Ion:119 Resp: 127469

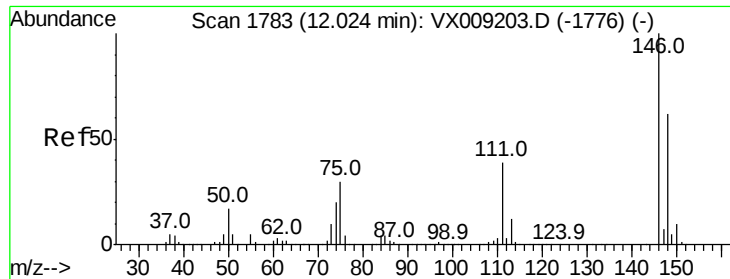
Ion Ratio Lower Upper

119 100

134 25.6 12.9 38.7

91 24.3 11.8 35.4





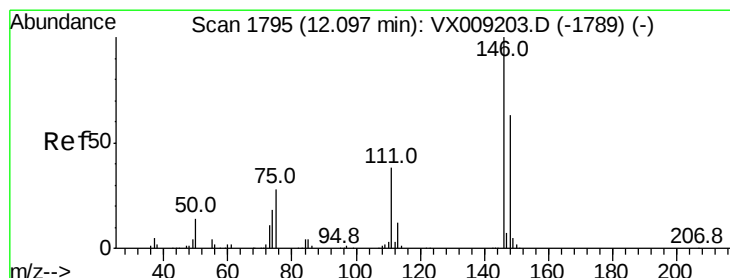
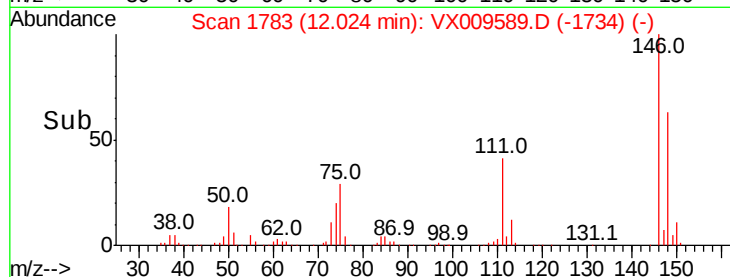
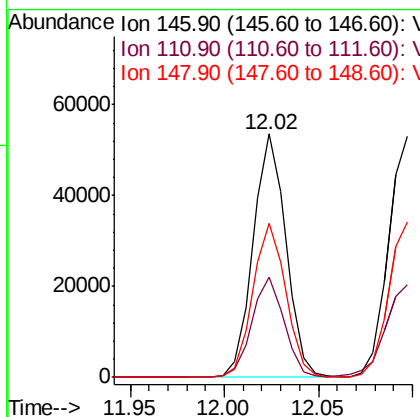
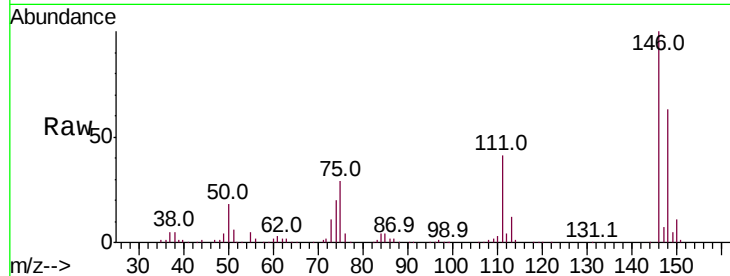
#87
 1,3-Dichlorobenzene
 Concen: 19.544 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX009589.D
 Acq: 15 May 2019 18:44

Instrument :
 MSVOA_X
 ClientSampled :
 VX0515WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.0	59.9
148	63.8	31.8	95.3

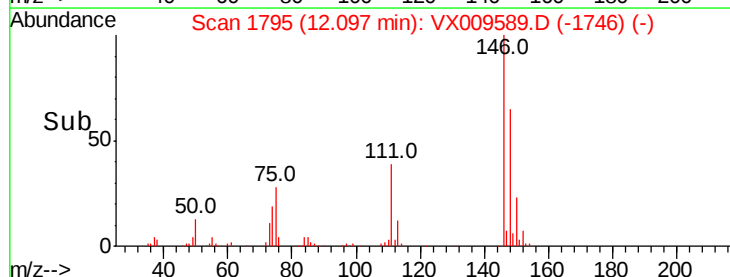
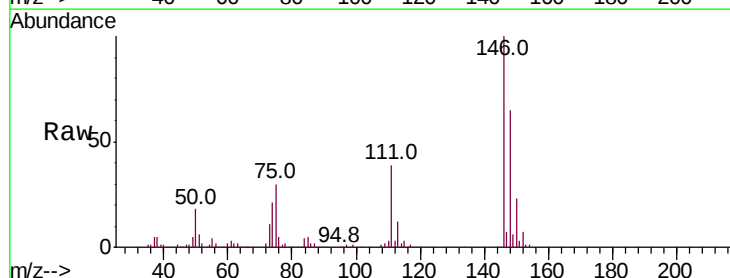
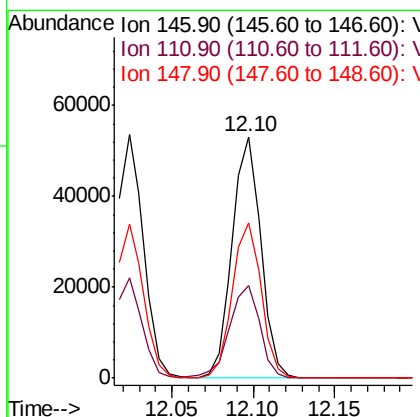
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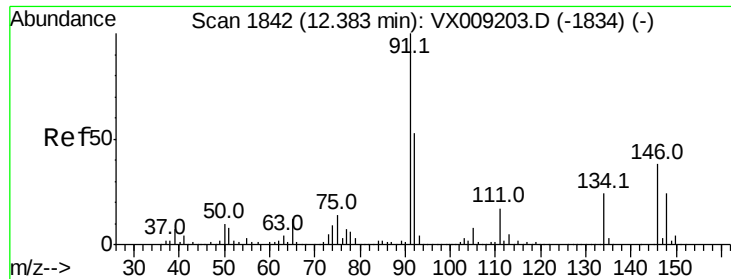
MMDadoda
 5/16/2019 12:32:49 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.552 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX009589.D
 Acq: 15 May 2019 18:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.1	19.6	58.8
148	65.0	31.8	95.3





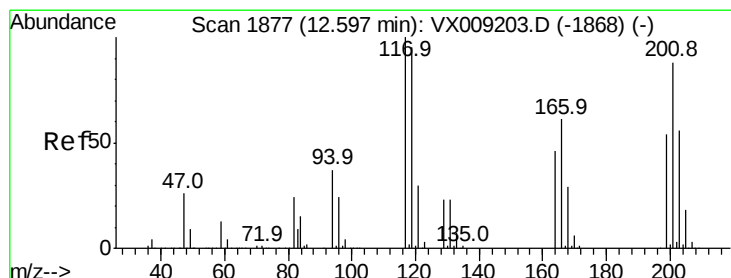
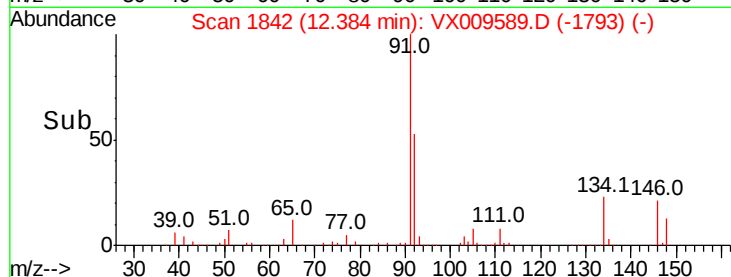
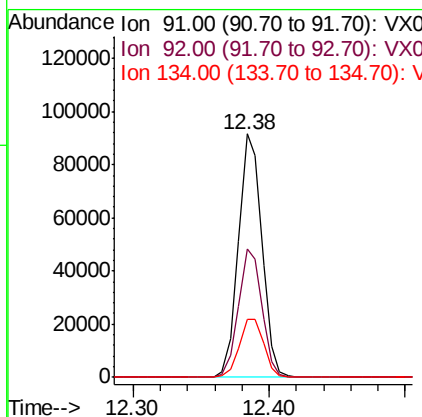
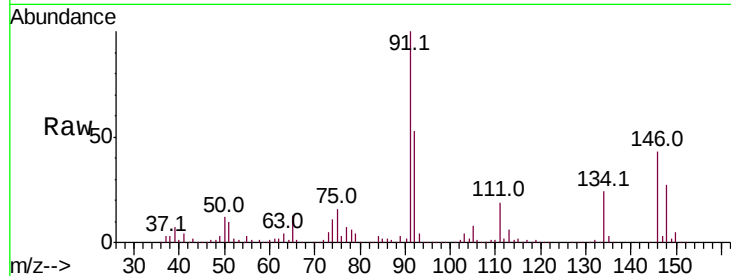
#89
n-Butylbenzene
Concen: 18.624 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX009589.D
Acq: 15 May 2019 18:44

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.5	79.5
134	25.0	12.4	37.2

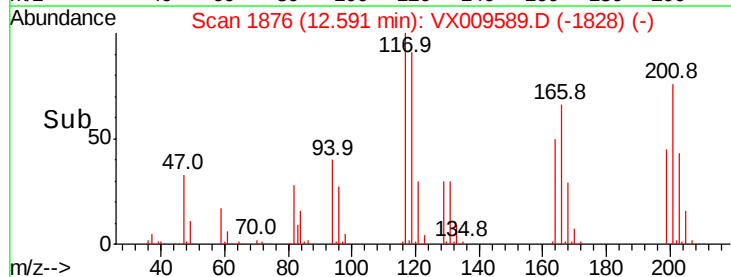
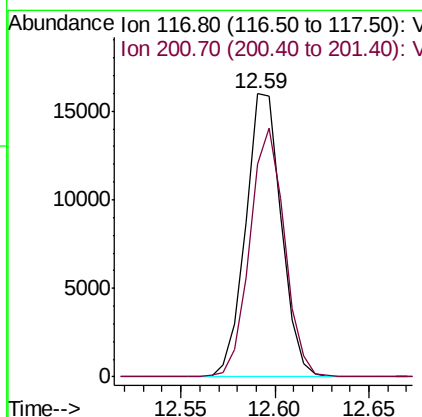
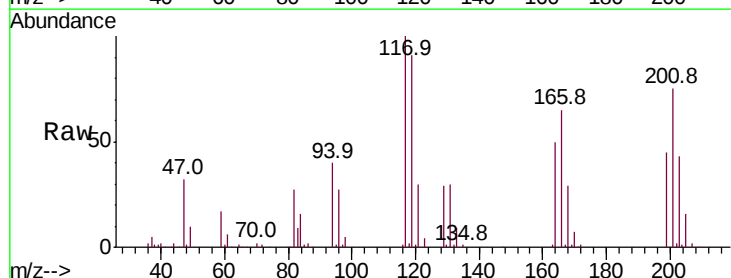
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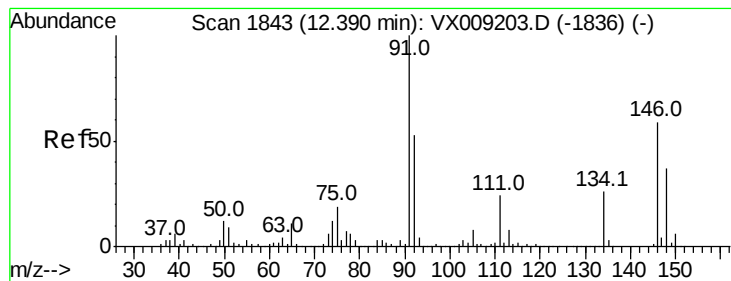
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#90
Hexachloroethane
Concen: 18.879 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX009589.D
Acq: 15 May 2019 18:44

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.1	42.3	126.9





#91

1,2-Dichlorobenzene

Concen: 19.770 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX009589.D

Acq: 15 May 2019 18:44

Instrument :

MSVOA_X

ClientSampleId :

VX0515WBSD01

Tot Ion:146 Resp: 66682

Ion Ratio Lower Upper

146 100

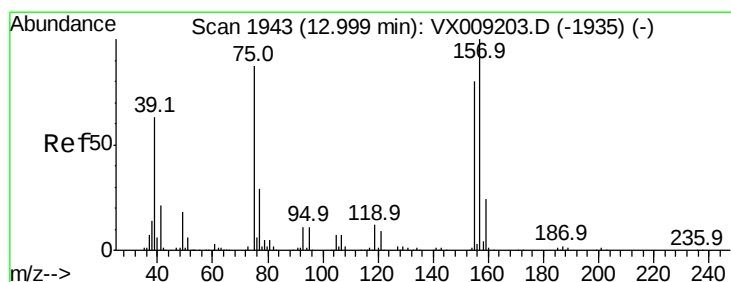
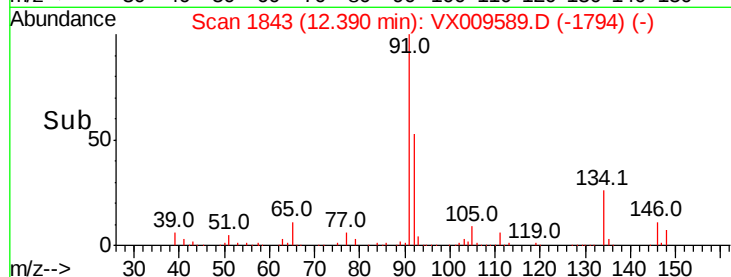
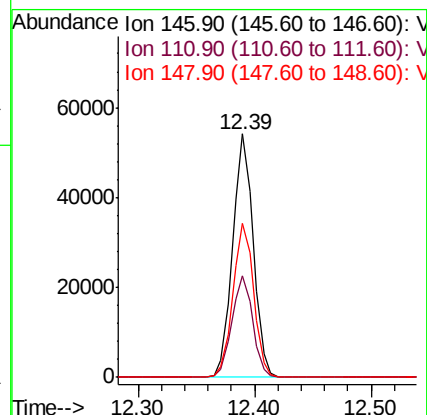
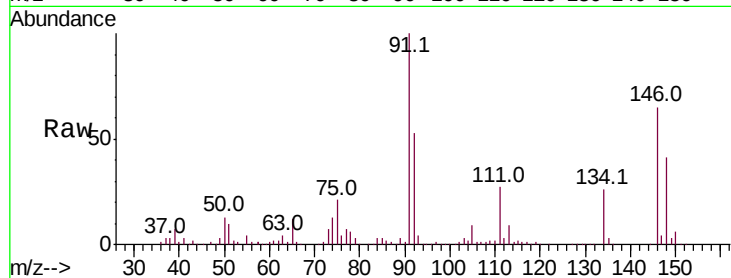
111 42.0 20.8 62.4

148 63.5 31.9 95.9

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 21.996 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX009589.D

Acq: 15 May 2019 18:44

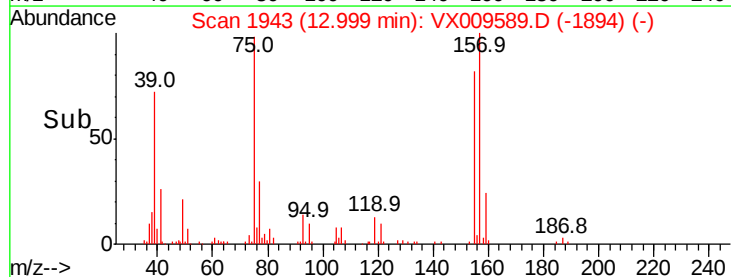
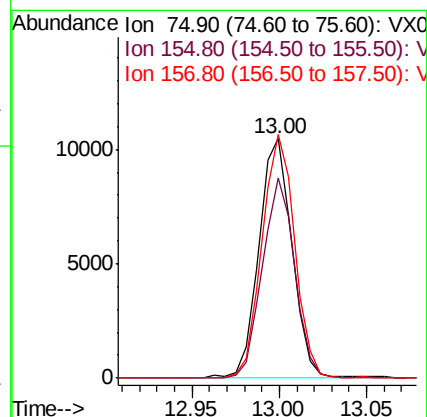
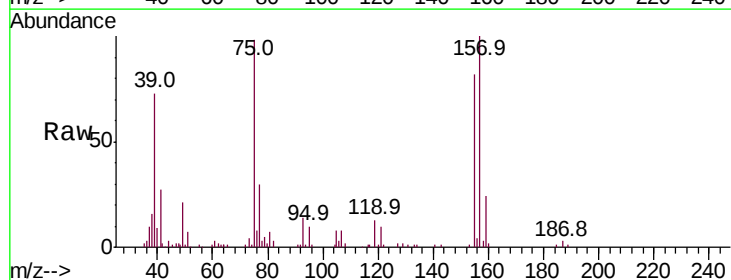
Tgt Ion: 75 Resp: 13767

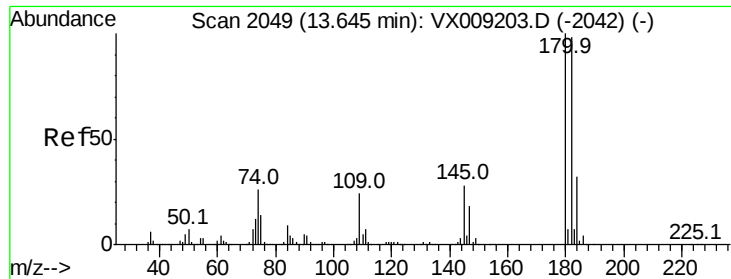
Ion Ratio Lower Upper

75 100

155 81.0 42.0 126.0

157 100.3 53.2 159.6





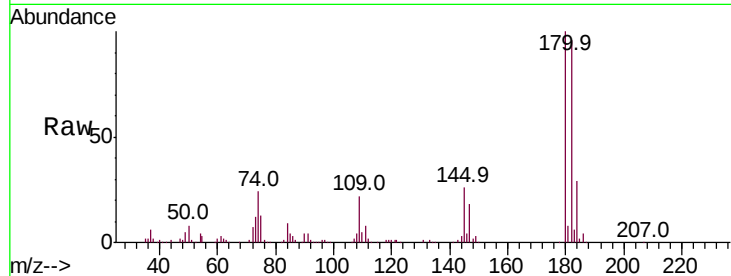
#93
 1,2,4-Trichlorobenzene
 Concen: 19.297 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX009589.D
 Acq: 15 May 2019 18:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0515WBSD01

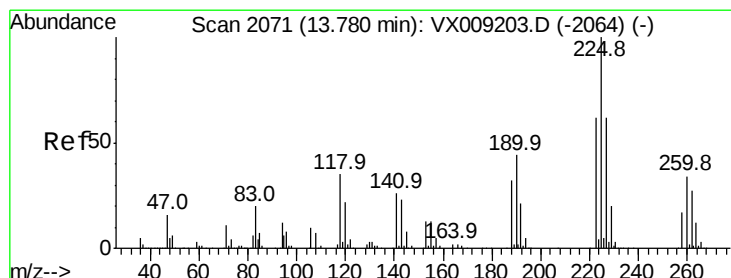
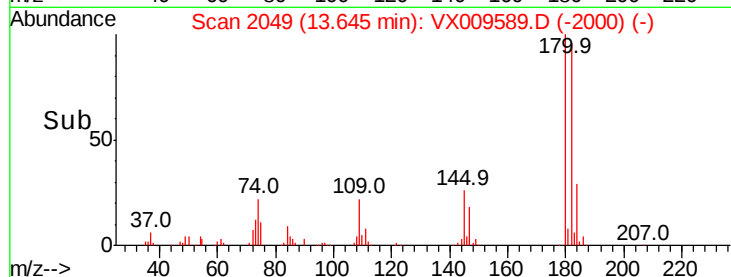
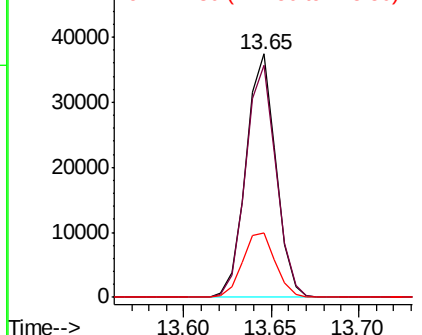
Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	97.0	48.4	145.2	
145	28.6	14.6	43.8	

Manual Integrations
 APPROVED

MMDadoda
 5/16/2019 12:32:49 PM

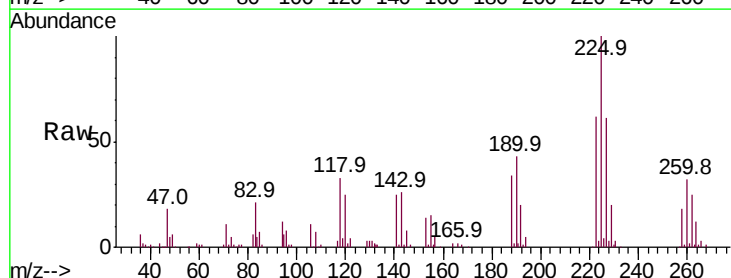


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

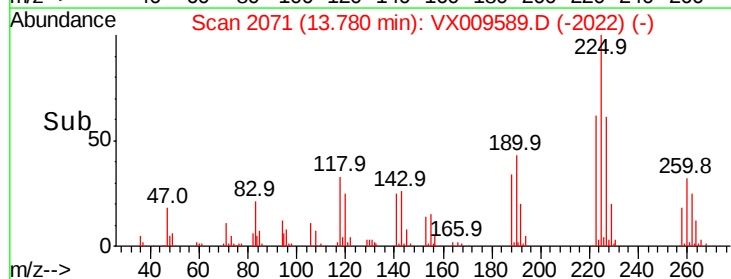
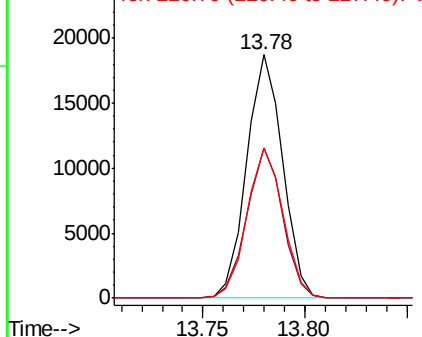


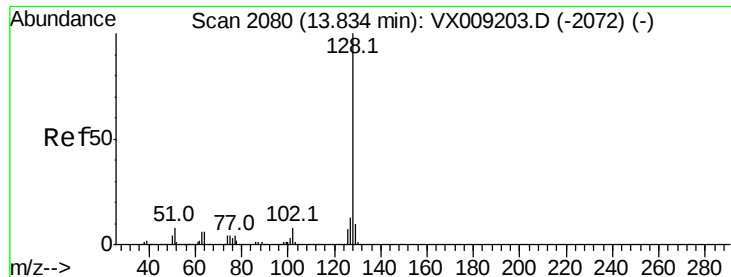
#94
 Hexachlorobutadiene
 Concen: 19.471 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX009589.D
 Acq: 15 May 2019 18:44

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.5	31.3	93.8	
227	61.6	31.8	95.3	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 20.665 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX009589.D

Acq: 15 May 2019 18:44

Instrument :

MSVOA_X

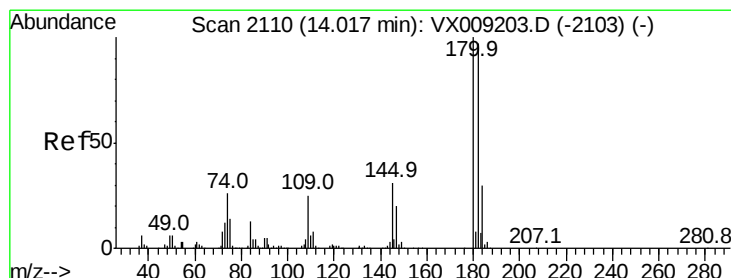
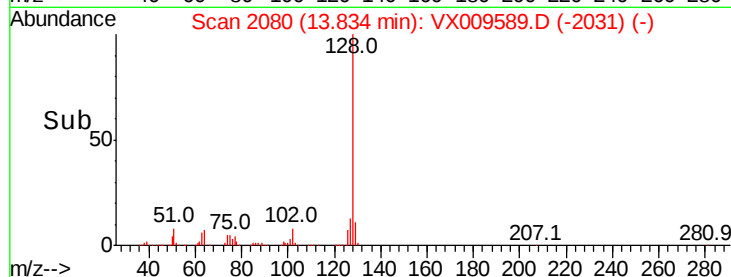
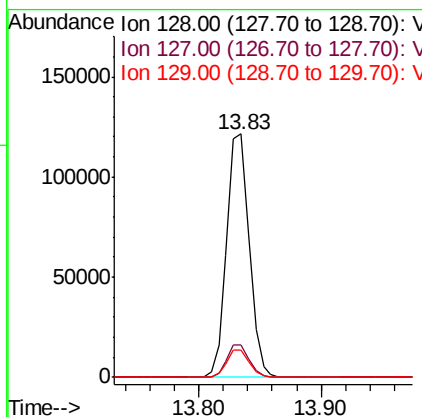
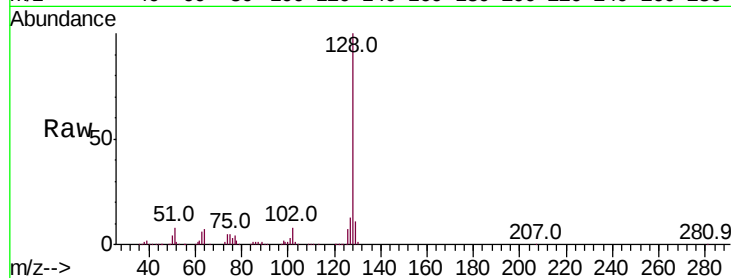
ClientSampleId :

VX0515WBSD01

Tot Ion:	128	Resp:	155074
Ion Ratio	Lower	Upper	
128	100		
127	13.5	10.4	15.6
129	11.2	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
5/16/2019 12:32:49 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.177 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX009589.D

Acq: 15 May 2019 18:44

Tgt Ion:	180	Resp:	47174
Ion Ratio	Lower	Upper	
180	100		
182	95.4	47.8	143.4
145	30.9	15.4	46.4

