

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052419\
 Data File : VX009900.D
 Acq On : 24 May 2019 20:28
 Operator : JC/SP
 Sample : K3032-03MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S32-0657MSD

Manual Integrations
 APPROVED

MMDadoda
 5/28/2019 9:52:22 AM

Quant Time: May 25 01:50:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	167698	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	272177	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	250441	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	125084	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	110275	48.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.34%	
35) Dibromofluoromethane	5.50	113	78163	45.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.36%	
50) Toluene-d8	8.71	98	320561	46.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.82%	
62) 4-Bromofluorobenzene	11.13	95	118200	47.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	62841	40.664	ug/l	98
3) Chloromethane	1.32	50	95619	45.321	ug/l	100
4) Vinyl Chloride	1.41	62	123166	59.867	ug/l	98
5) Bromomethane	1.64	94	54586	44.205	ug/l	96
6) Chloroethane	1.71	64	60556	45.845	ug/l	98
7) Trichlorofluoromethane	1.92	101	113401	45.346	ug/l	98
8) Diethyl Ether	2.19	74	53700	45.332	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.38	101	67648	43.076	ug/l	100
10) Methyl Iodide	2.51	142	75148	41.994	ug/l	99
11) Tert butyl alcohol	3.06	59	118790	224.169	ug/l	99
12) 1,1-Dichloroethene	2.37	96	73333	46.605	ug/l	96
13) Acrolein	2.29	56	99551	207.439	ug/l	99
14) Allyl chloride	2.73	41	175628	45.801	ug/l	99
15) Acrylonitrile	3.14	53	301940	233.037	ug/l	99
16) Acetone	2.45	43	302094	245.754	ug/l	97
17) Carbon Disulfide	2.57	76	203778	46.128	ug/l	100
18) Methyl Acetate	2.78	43	119344	40.824	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	279771	45.787	ug/l	99
20) Methylene Chloride	2.85	84	87199	43.811	ug/l	93
21) trans-1,2-Dichloroethene	3.17	96	314976	184.579	ug/l	97
22) Diisopropyl ether	3.85	45	347961	47.185	ug/l	98
23) Vinyl Acetate	3.82	43	1381983	218.849	ug/l	99
24) 1,1-Dichloroethane	3.70	63	165740	45.560	ug/l	100
25) 2-Butanone	4.67	43	461665	241.682	ug/l	97
26) 2,2-Dichloropropane	4.59	77	97964	36.178	ug/l #	44
27) cis-1,2-Dichloroethene	4.60	96	801612	393.555	ug/l	93
28) Bromochloromethane	5.01	49	84350	58.040	ug/l	96
29) Tetrahydrofuran	5.13	42	300808	244.715	ug/l	97
30) Chloroform	5.21	83	149775	45.521	ug/l	99
31) Cyclohexane	5.58	56	157999	46.682	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	123518	45.097	ug/l	99
36) 1,1-Dichloropropene	5.80	75	114435	45.242	ug/l	98
37) Ethyl Acetate	4.84	43	151539	43.000	ug/l #	80
38) Carbon Tetrachloride	5.79	117	103395	44.991	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	138494	44.585	ug/l	95
40) Benzene	6.14	78	354754	45.319	ug/l	99
41) Methacrylonitrile	5.04	41	98426	46.918	ug/l	98
42) 1,2-Dichloroethane	6.20	62	131479	46.823	ug/l	99
43) Isopropyl Acetate	6.45	43	255310	45.291	ug/l	98
44) Trichloroethene	7.21	130	1949490	1030.152	ug/l	96
45) 1,2-Dichloropropane	7.51	63	101081	45.602	ug/l	98
46) Dibromomethane	7.66	93	58602	45.528	ug/l	98
47) Bromodichloromethane	7.90	83	117879	45.910	ug/l	99
48) Methyl methacrylate	7.77	41	138434	49.499	ug/l	97
49) 1,4-Dioxane	7.74	88	44292	780.933	ug/l	94
51) 4-Methyl-2-Pentanone	8.64	43	919193	249.474	ug/l	98
52) Toluene	8.79	92	217229	45.651	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	134821	46.509	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	145108	45.225	ug/l	94
55) 1,1,2-Trichloroethane	9.21	97	87053	44.843	ug/l	96
56) Ethyl methacrylate	9.18	69	164815	47.561	ug/l	95
57) 1,3-Dichloropropane	9.37	76	156118	45.699	ug/l	100
59) 2-Hexanone	9.49	43	713850	246.684	ug/l	97
60) Dibromochloromethane	9.58	129	86854	45.808	ug/l	98
61) 1,2-Dibromoethane	9.67	107	89654	45.751	ug/l	99
64) Tetrachloroethene	9.34	164	69957	40.722	ug/l	99
65) Chlorobenzene	10.14	112	223605	44.632	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	80490	44.315	ug/l	99
67) Ethyl Benzene	10.25	91	419285	45.475	ug/l	99
68) m/p-Xylenes	10.36	106	304094	90.253	ug/l	97
69) o-Xylene	10.69	106	149197	44.880	ug/l	98
70) Stvrene	10.71	104	262840	45.490	ug/l	98
71) Bromoform	10.85	173	67668	45.845	ug/l #	98
73) Isopropylbenzene	11.02	105	397018	43.648	ug/l	100
74) N-amyl acetate	10.90	43	228769	43.139	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	151119	44.567	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	128868m	44.414	ug/l	
77) Bromobenzene	11.26	156	99136	43.911	ug/l	98
78) n-propylbenzene	11.36	91	461896	44.464	ug/l	100
79) 2-Chlorotoluene	11.42	91	277332	43.273	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	337826	44.109	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	48295	42.588	ug/l	97
82) 4-Chlorotoluene	11.51	91	321592	44.417	ug/l	99
83) tert-Butylbenzene	11.77	119	328081	44.035	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	341110	44.372	ug/l	99
85) sec-Butylbenzene	11.94	105	387956	43.921	ug/l	100
86) p-Isopropyltoluene	12.06	119	352998	44.453	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	175519	43.611	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	176808	43.574	ug/l	99
89) n-Butylbenzene	12.38	91	326620	45.508	ug/l	100
90) Hexachloroethane	12.60	117	59829	44.224	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	176201	42.983	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	34057	44.773	ug/l	96
93) 1,2,4-Trichlorobenzene	13.65	180	124275	44.332	ug/l	98

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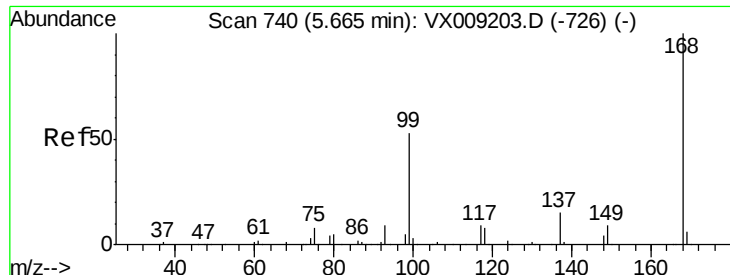
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	62079	43.366	ug/l	100
95) Naphthalene	13.83	128	403329	44.224	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	125682	44.230	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX009900.D

Acq: 24 May 2019 20:28

Instrument :

MSVOA_X

ClientSampleId :

S32-0657MSD

Tot Ion:168 Resp: 167698

Ion Ratio Lower Upper

168 100

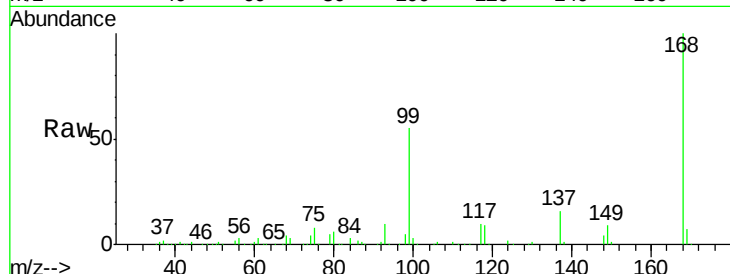
99 55.2 42.3 63.5

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

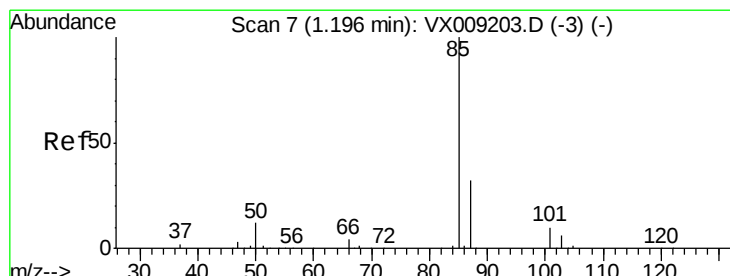
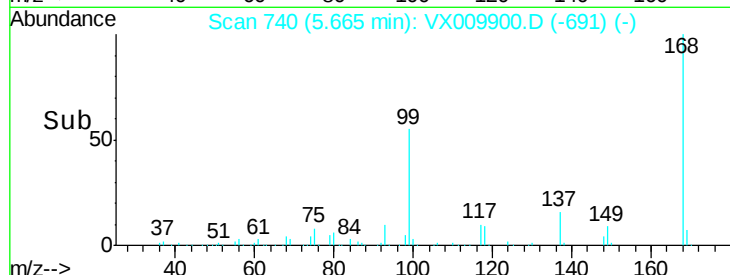
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 40.664 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX009900.D

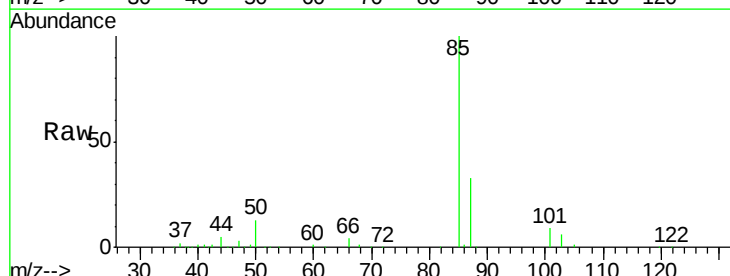
Acq: 24 May 2019 20:28

Tgt Ion: 85 Resp: 62841

Ion Ratio Lower Upper

85 100

87 33.2 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

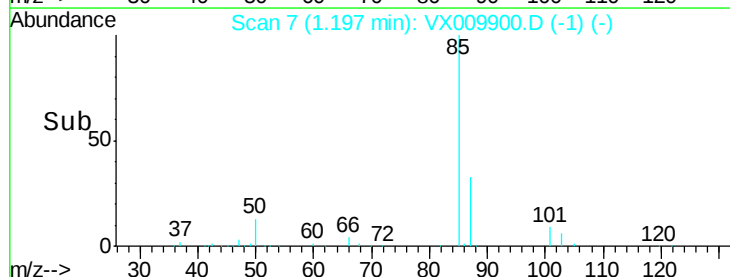
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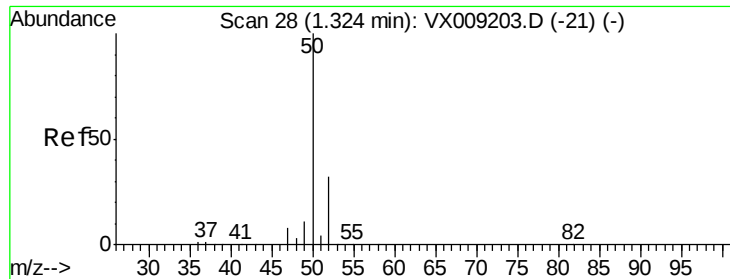
40000

20000

0

Time--> 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 45.321 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009900.D

Acq: 24 May 2019 20:28

Instrument :

MSVOA_X

ClientSampleId :

S32-0657MSD

Tot Ion: 50 Resp: 95619

Ion Ratio Lower Upper

50 100

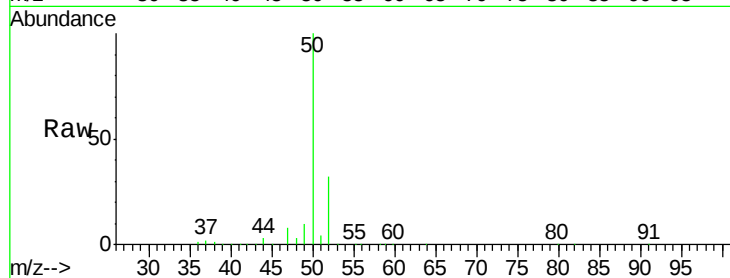
52 32.2 25.9 38.9

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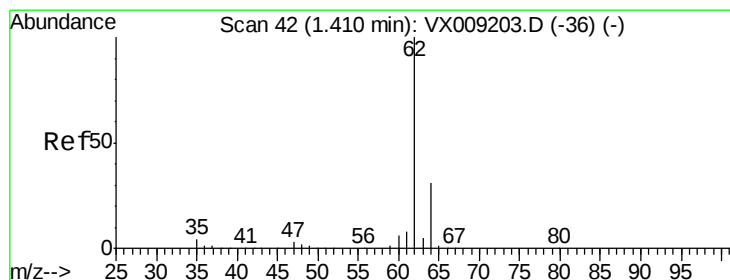
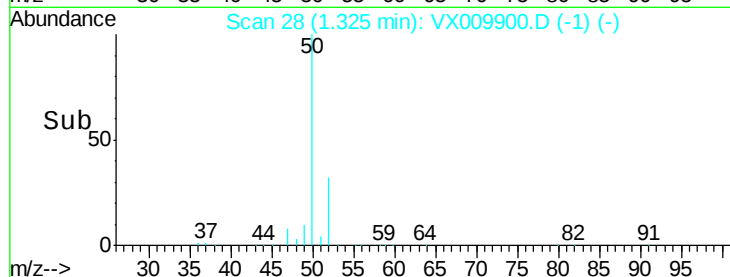
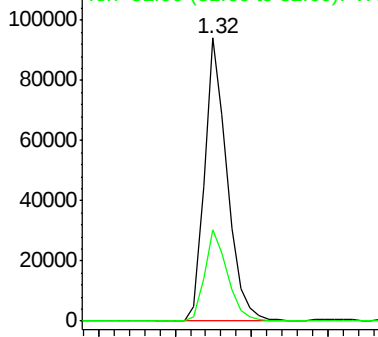
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 59.867 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX009900.D

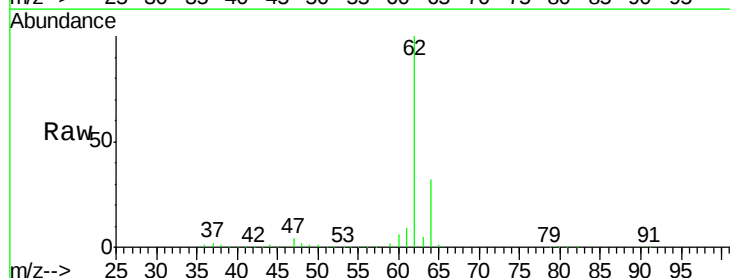
Acq: 24 May 2019 20:28

Tgt Ion: 62 Resp: 123166

Ion Ratio Lower Upper

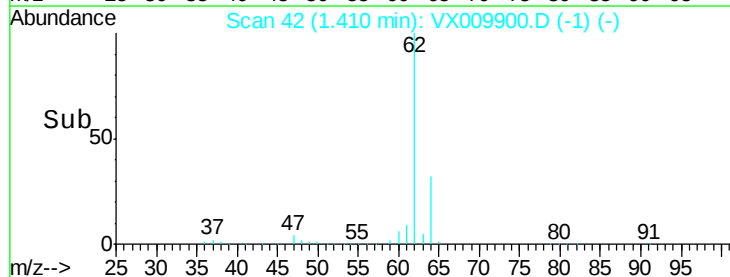
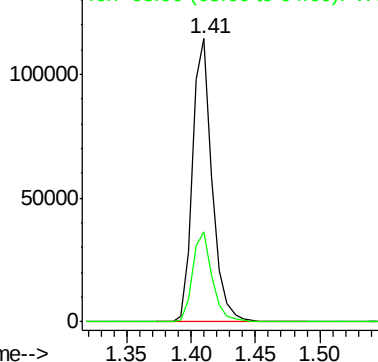
62 100

64 32.0 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 44.205 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009900.D

Acq: 24 May 2019 20:28

Instrument :

MSVOA_X

ClientSampleId :

S32-0657MSD

Tot Ion: 94 Resp: 54586

Ion Ratio Lower Upper

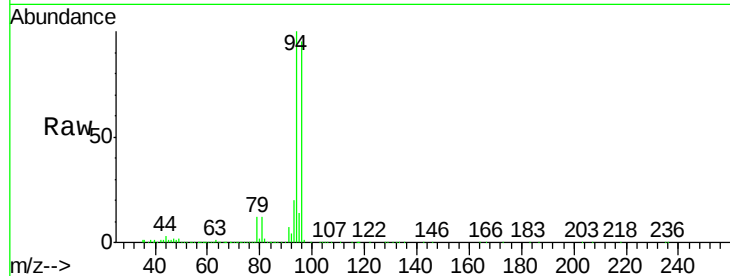
94 100

96 95.3 73.0 109.6

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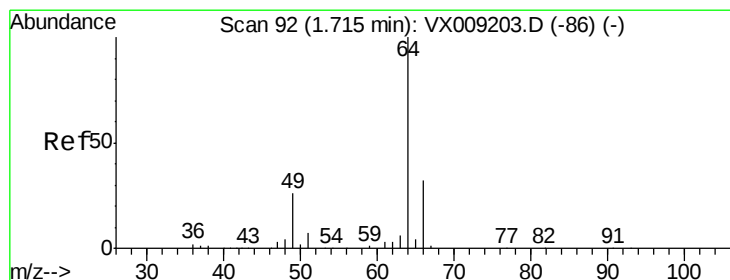
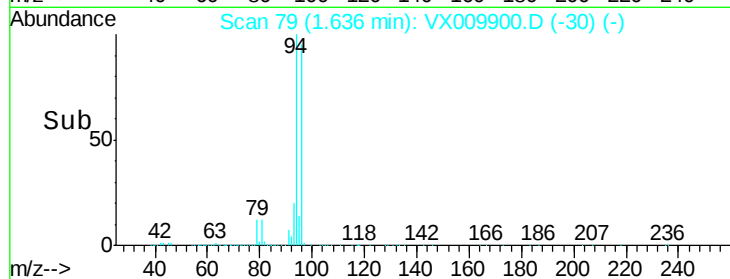
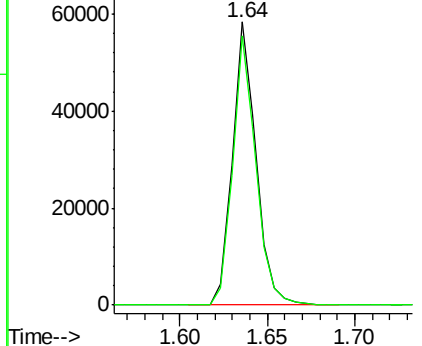
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 45.845 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX009900.D

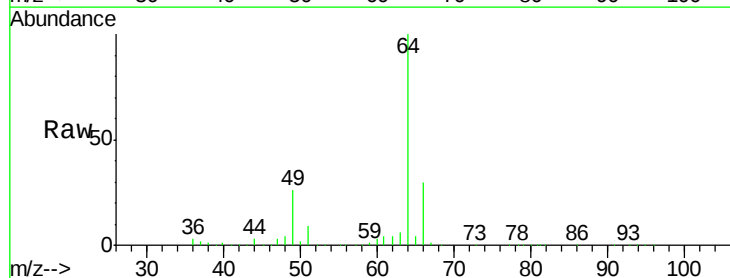
Acq: 24 May 2019 20:28

Tgt Ion: 64 Resp: 60556

Ion Ratio Lower Upper

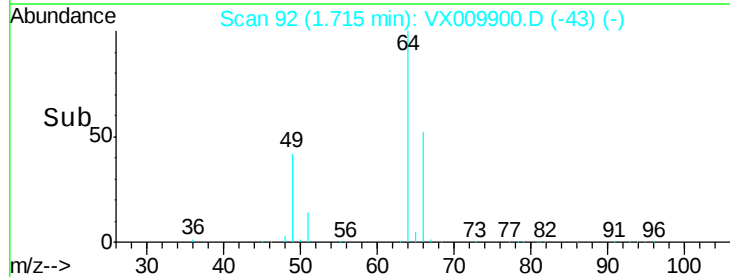
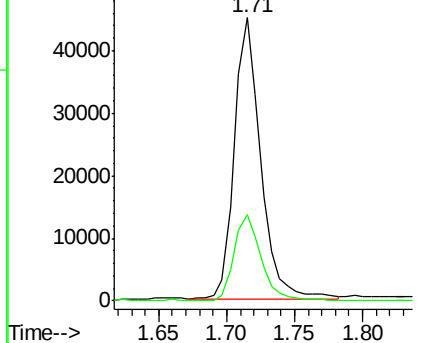
64 100

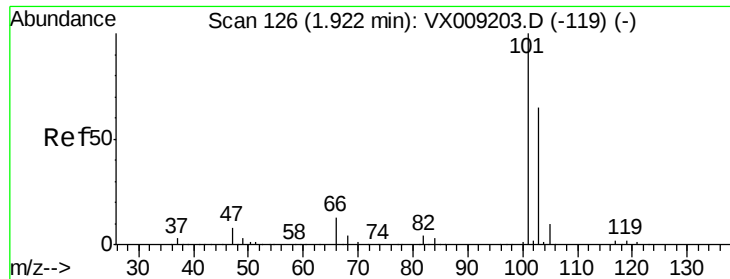
66 30.4 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

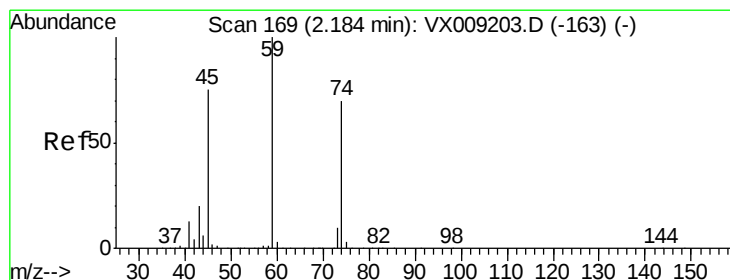
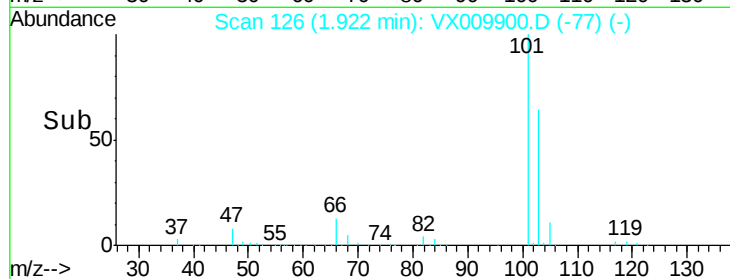
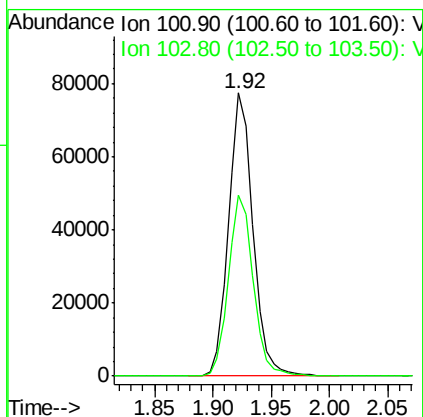
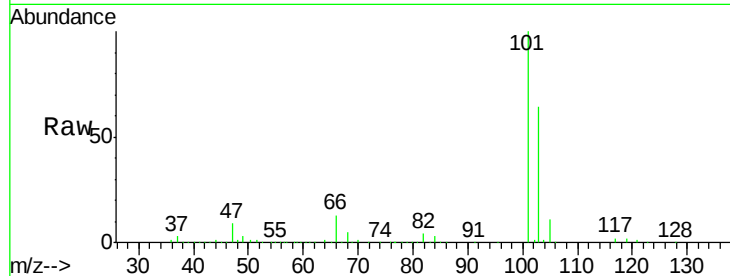
Trichlorofluoromethane
Concen: 45.346 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX009900.D
Acq: 24 May 2019 20:28

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		113401		
103	64.1	52.4	78.6		

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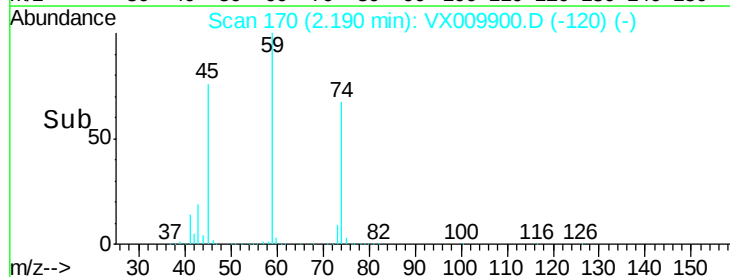
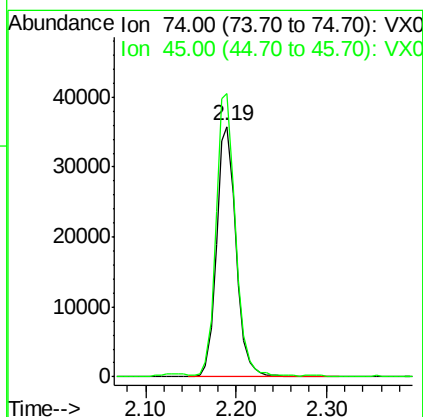
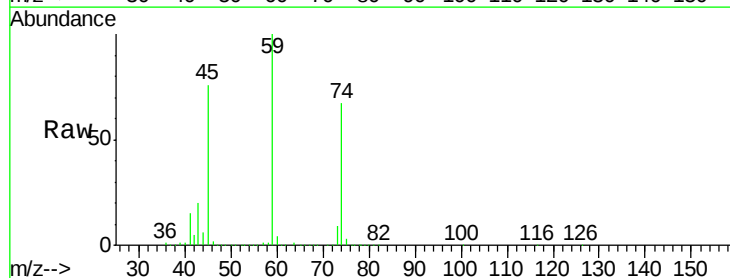
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5/28/2019 9:52:22 AM



#8

Diethyl Ether
Concen: 45.332 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX009900.D
Acq: 24 May 2019 20:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		53700		
45	112.1	53.3	159.9		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.076 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX009900.D

Acq: 24 May 2019 20:28

Instrument :

MSVOA_X

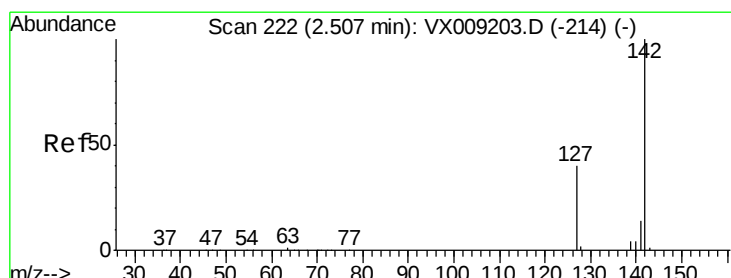
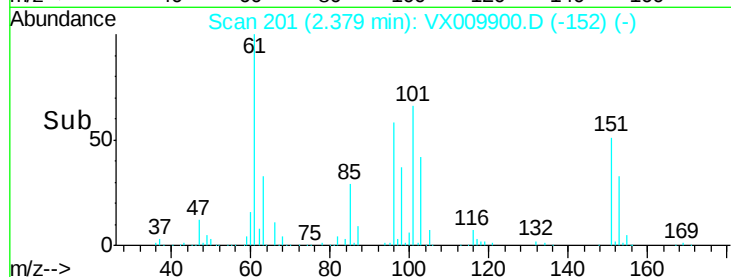
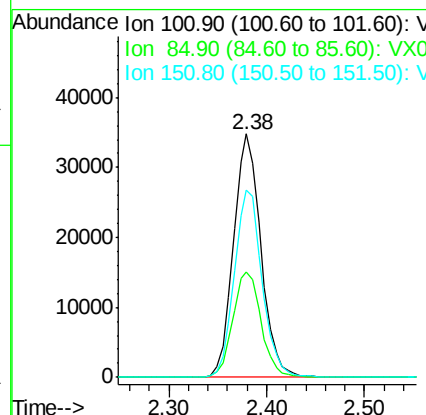
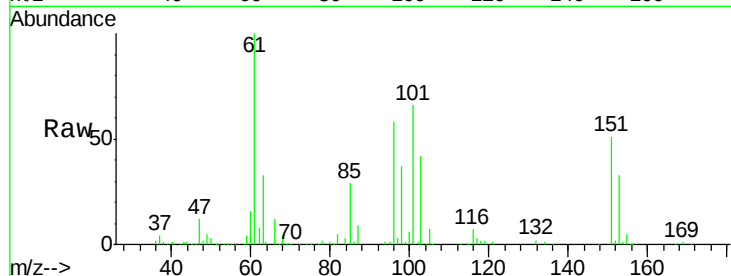
ClientSampleId :

S32-0657MSD

Tot Ion:	101	Resp:	67648
Ion Ratio	Lower	Upper	
101	100		
85	44.8	35.7	53.5
151	78.0	62.2	93.2

Manual Integrations
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#10

Methyl Iodide

Concen: 41.994 ug/l

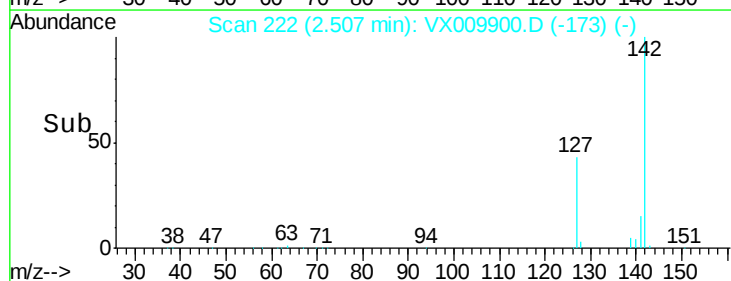
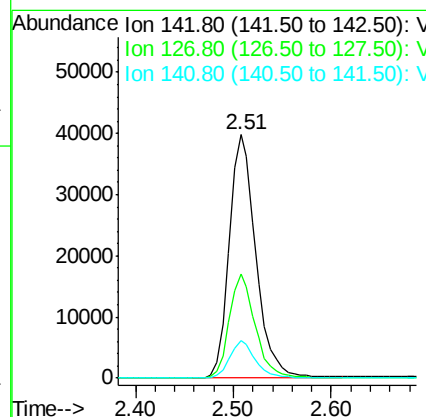
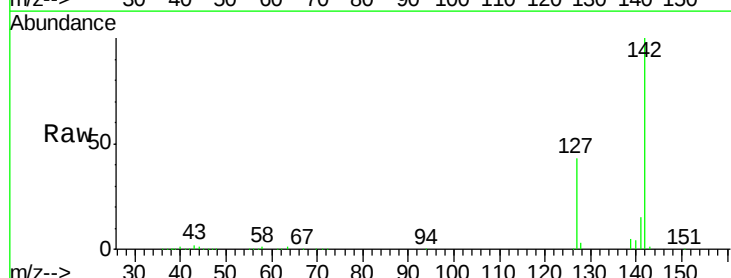
RT: 2.51 min Scan# 222

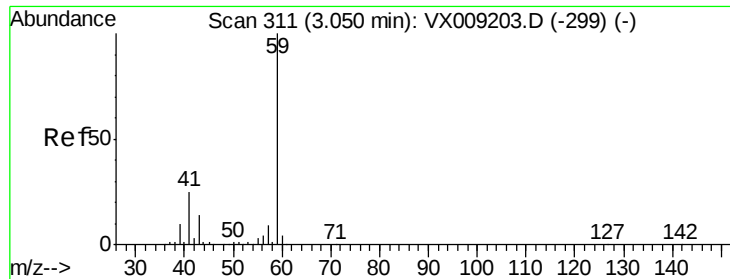
Delta R.T. 0.00 min

Lab File: VX009900.D

Acq: 24 May 2019 20:28

Tgt Ion:	142	Resp:	75148
Ion Ratio	Lower	Upper	
142	100		
127	41.6	32.7	49.1
141	14.7	11.5	17.3





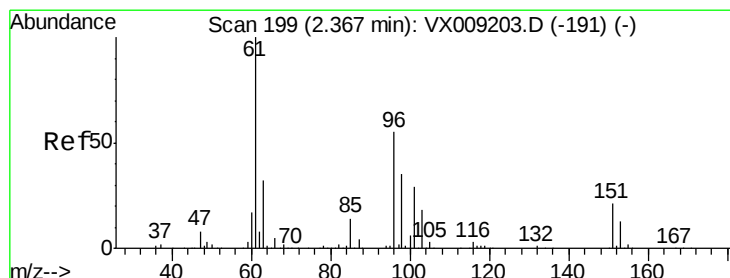
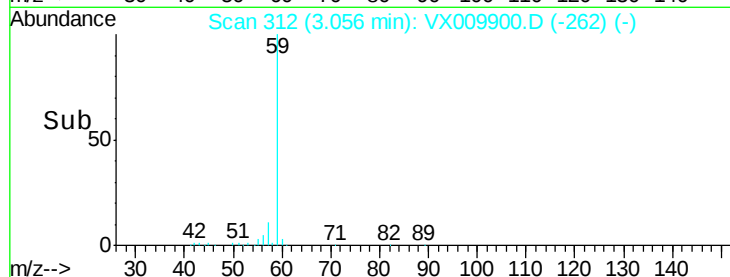
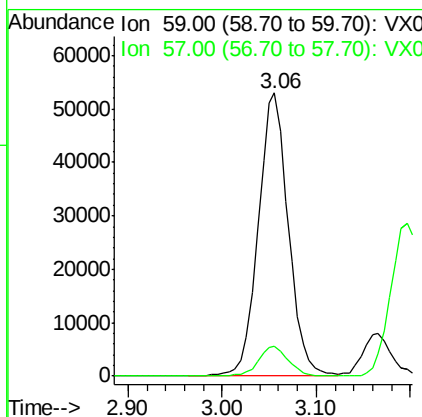
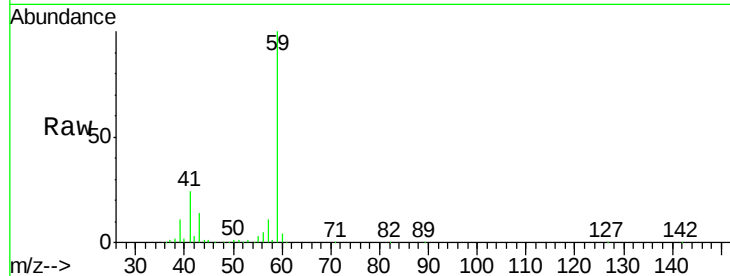
#11
Tert butyl alcohol
Concen: 224.169 ug/l
RT: 3.06 min Scan# 312
Delta R.T. 0.01 min
Lab File: VX009900.D
Acq: 24 May 2019 20:28

Instrument :
MSVOA_X
ClientSampleId :
S32-0657MSD

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.2	12.2

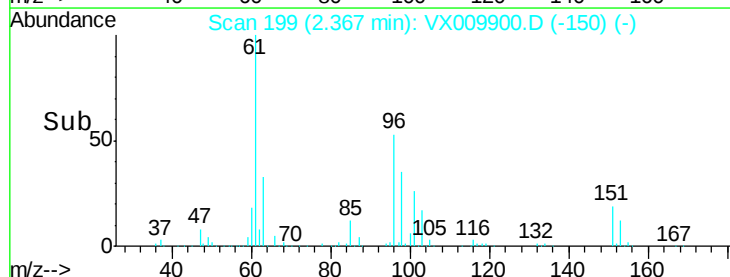
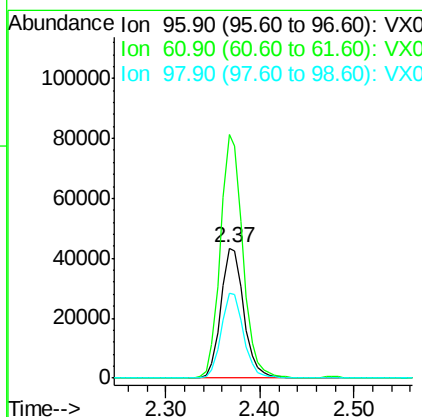
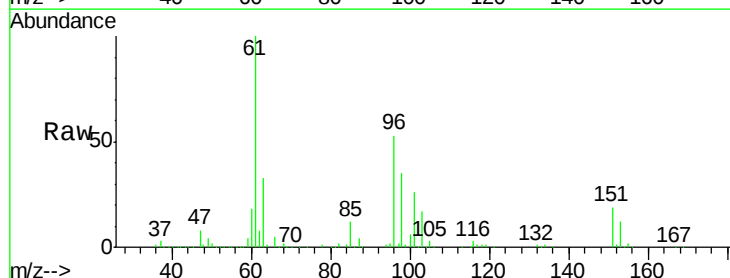
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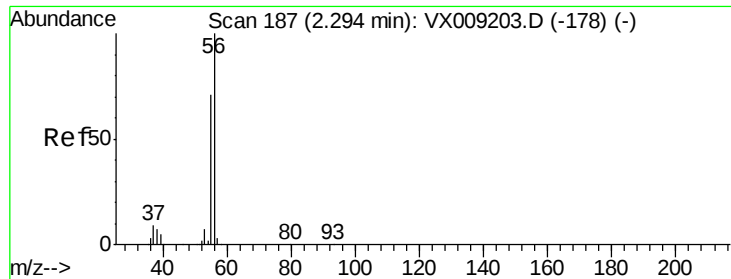
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#12
1,1-Dichloroethene
Concen: 46.605 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.00 min
Lab File: VX009900.D
Acq: 24 May 2019 20:28

Tgt Ion	Ratio	Lower	Upper
96	100		
61	186.9	144.3	216.5
98	65.7	50.3	75.5





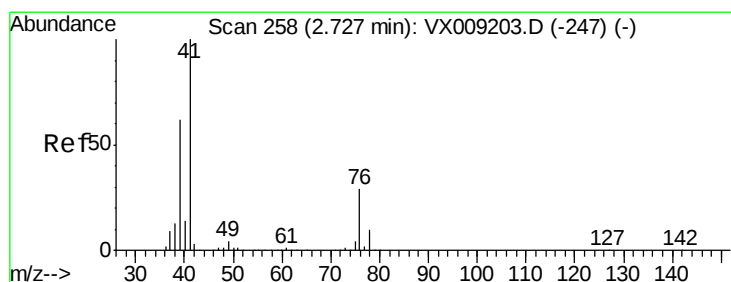
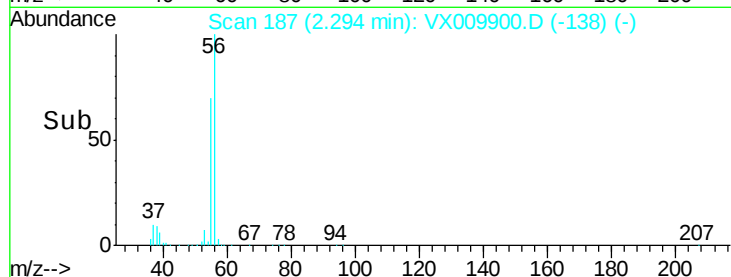
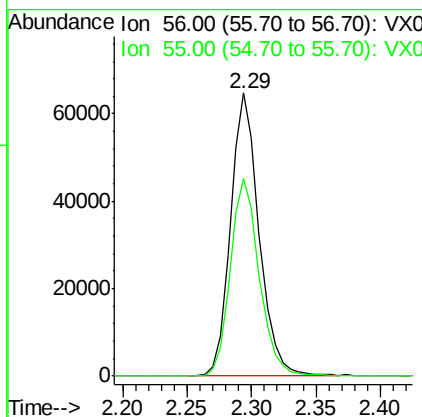
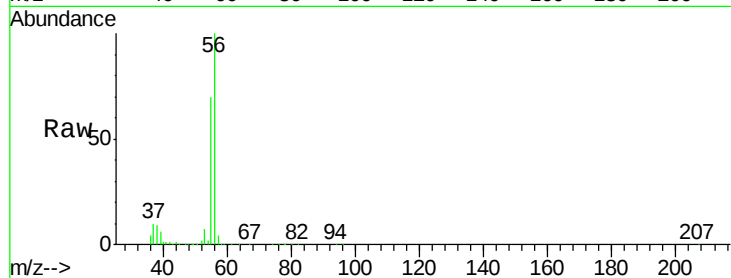
#13
Acrolein
Concen: 207.439 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX009900.D
Acq: 24 May 2019 20:28

Instrument :
MSVOA_X
ClientSampleId :
S32-0657MSD

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.3	56.6	85.0

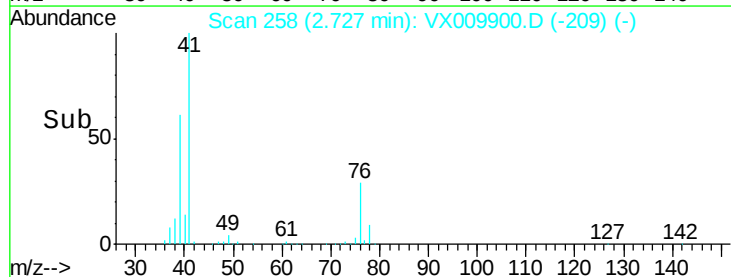
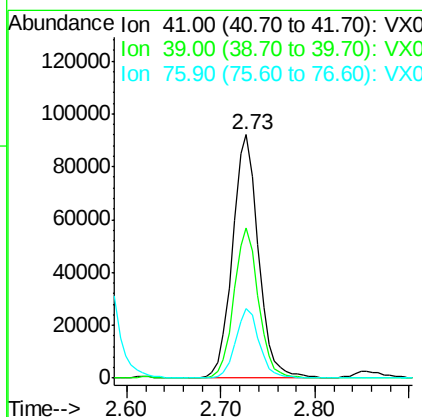
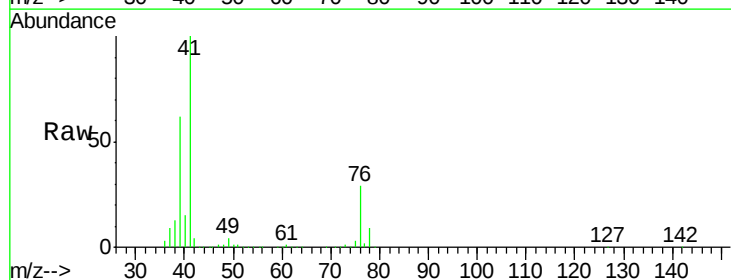
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#14
Allyl chloride
Concen: 45.801 ug/l
RT: 2.73 min Scan# 258
Delta R.T. 0.00 min
Lab File: VX009900.D
Acq: 24 May 2019 20:28

Tgt Ion	Ratio	Lower	Upper
41	100		
39	58.8	46.7	70.1
76	25.9	21.8	32.8





#15

Acrylonitrile

Concen: 233.037 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX009900.D

Acq: 24 May 2019 20:28

Instrument :

MSVOA_X

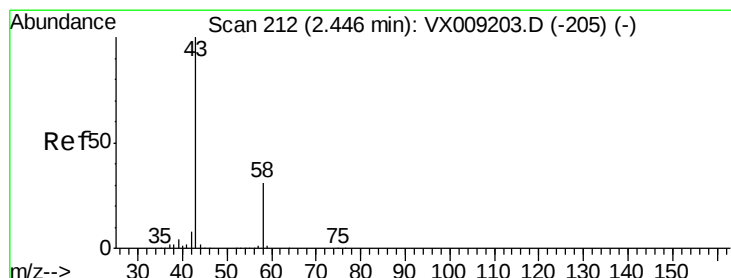
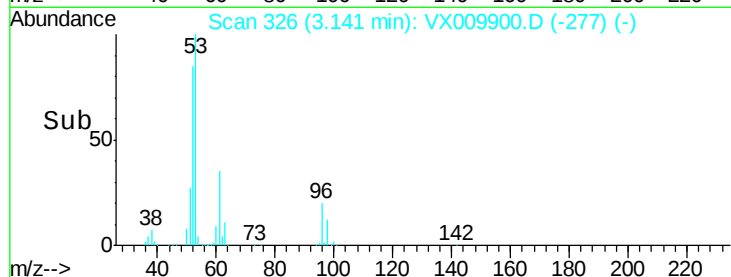
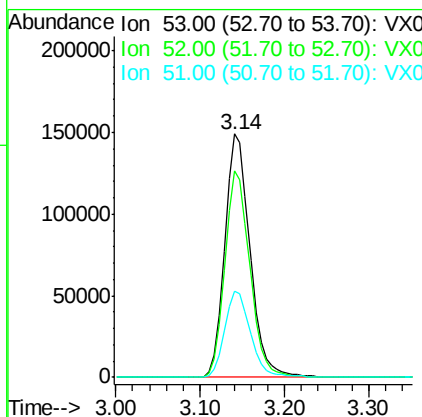
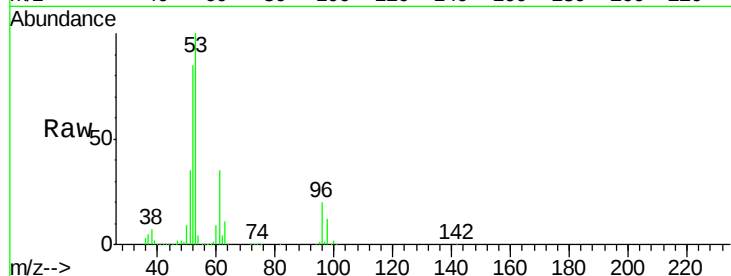
ClientSampleId :

S32-0657MSD

Tot Ion:	53	Resp:	301940
Ion Ratio		Lower	Upper
53	100		
52	84.5	66.9	100.3
51	36.4	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 245.754 ug/l

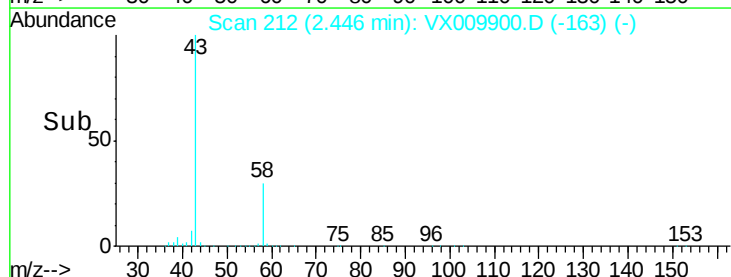
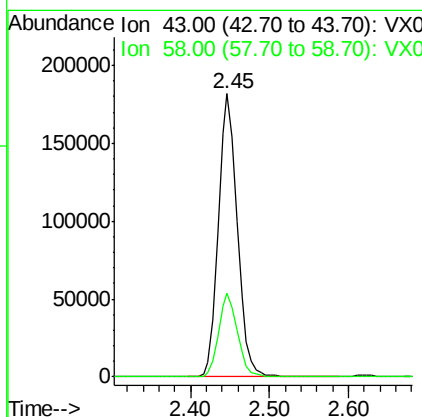
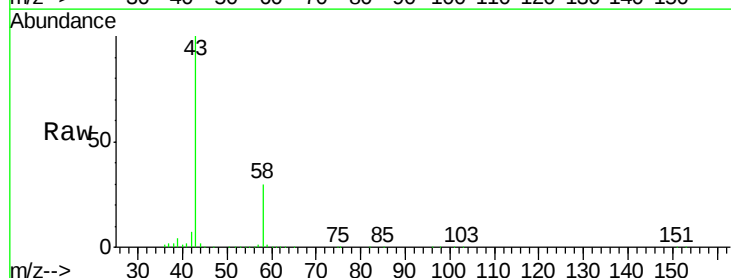
RT: 2.45 min Scan# 212

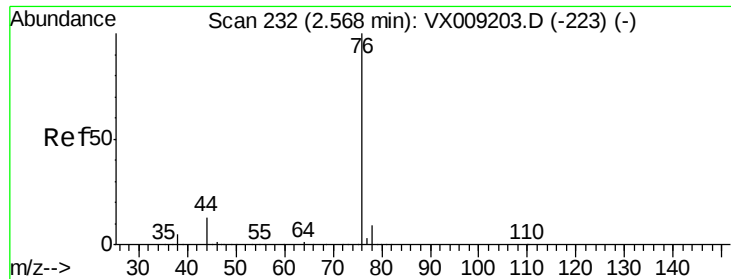
Delta R.T. 0.00 min

Lab File: VX009900.D

Acq: 24 May 2019 20:28

Tgt Ion:	43	Resp:	302094
Ion Ratio		Lower	Upper
43	100		
58	29.6	24.9	37.3





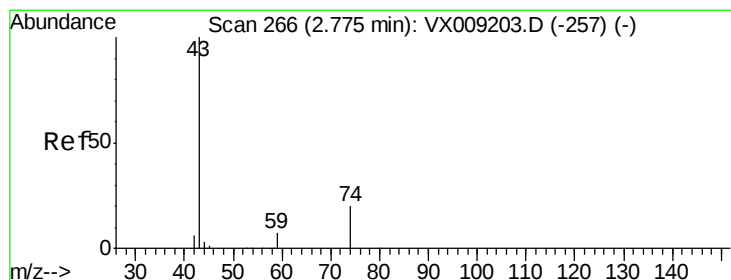
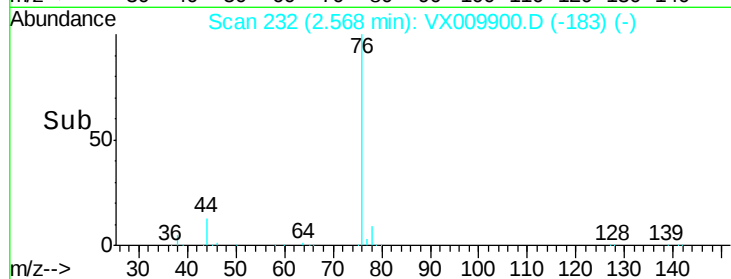
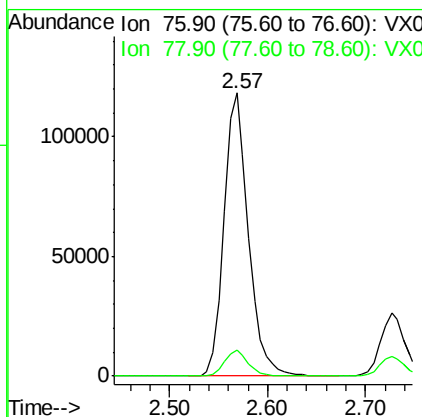
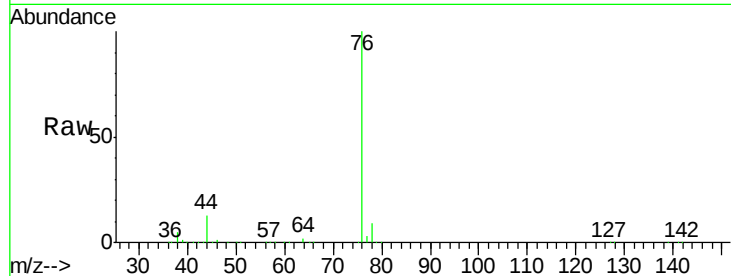
#17
Carbon Disulfide
Concen: 46.128 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX009900.D
Acq: 24 May 2019 20:28

Instrument :
MSVOA_X
ClientSampleId :
S32-0657MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.4	11.0

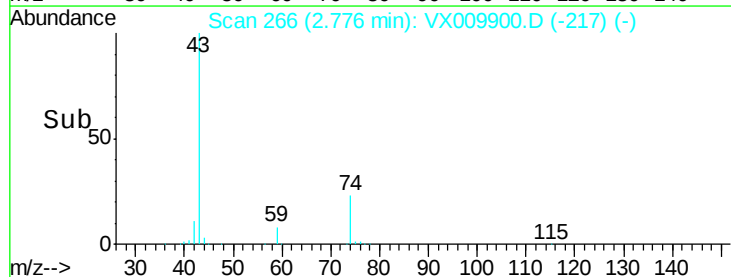
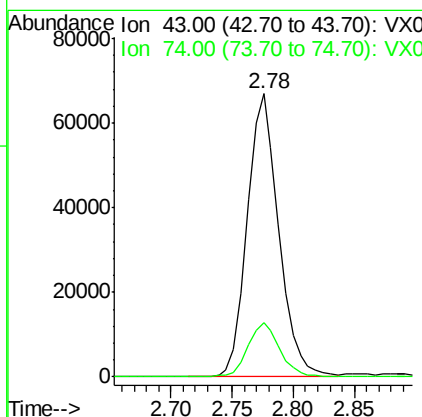
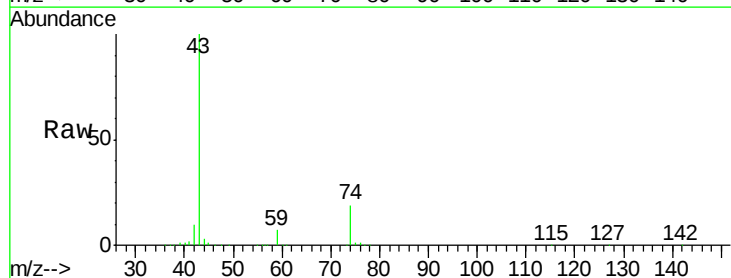
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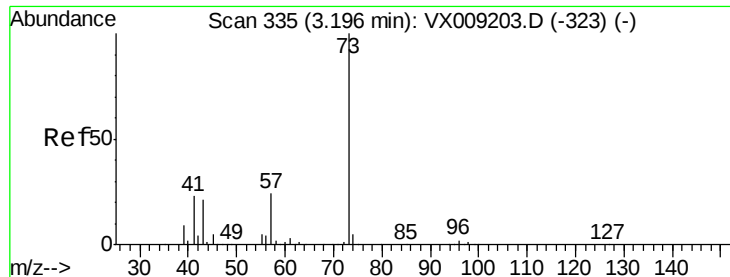
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#18
Methyl Acetate
Concen: 40.824 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX009900.D
Acq: 24 May 2019 20:28

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.0	16.2	24.4





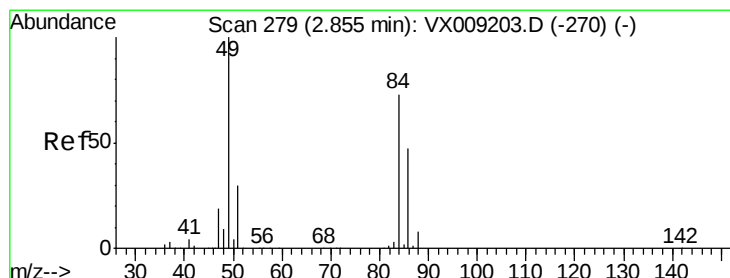
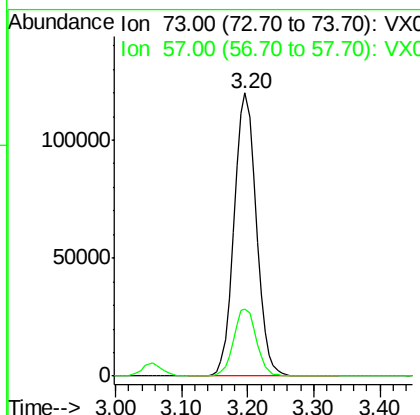
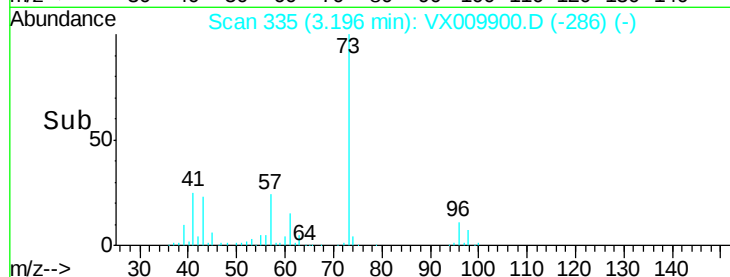
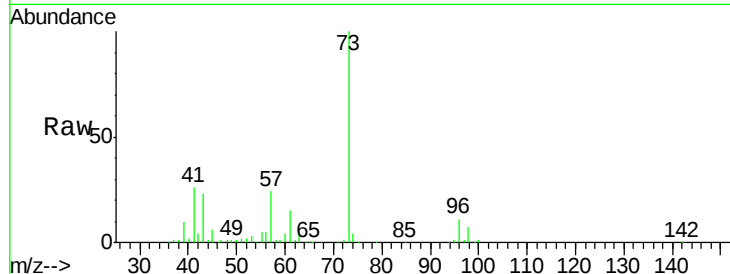
#19
Methyl tert-butyl Ether
Concen: 45.787 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX009900.D
Acq: 24 May 2019 20:28

Instrument :
MSVOA_X
ClientSampleId :
S32-0657MSD

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.8	19.3	28.9

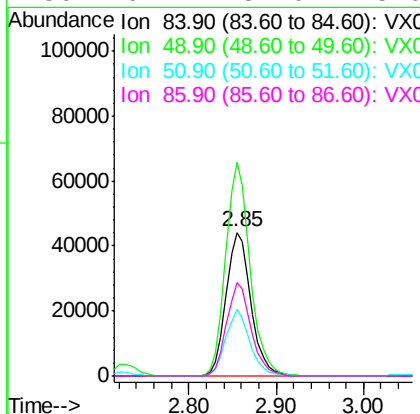
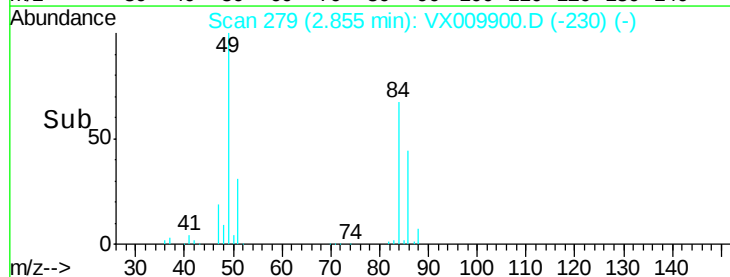
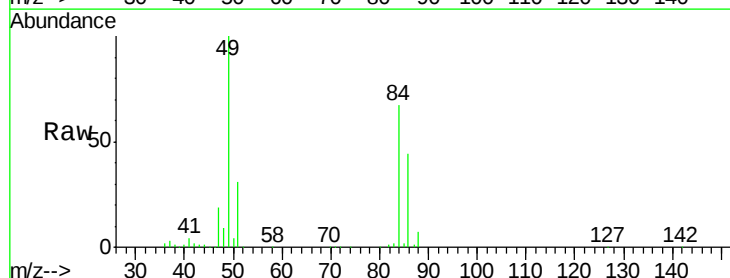
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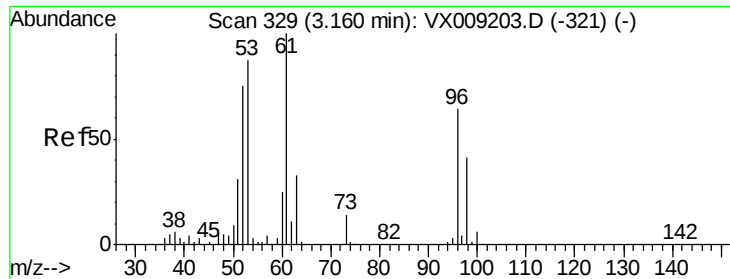
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#20
Methylene Chloride
Concen: 43.811 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX009900.D
Acq: 24 May 2019 20:28

Tgt Ion	Ratio	Lower	Upper
84	100		
49	148.5	109.9	164.9
51	46.7	32.7	49.1
86	64.7	52.0	78.0





#21

trans-1,2-Dichloroethene

Concen: 184.579 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009900.D

Acq: 24 May 2019 20:28

Instrument :

MSVOA_X

ClientSampleId :

S32-0657MSD

Tot Ion: 96 Resp: 314976

Ion Ratio Lower Upper

96 100

61 159.7 124.5 186.7

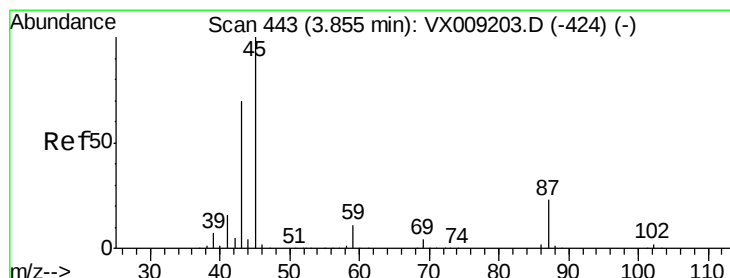
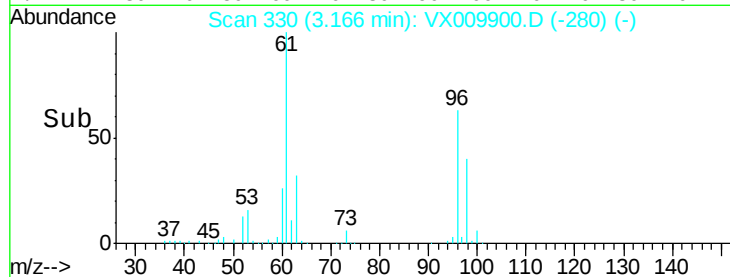
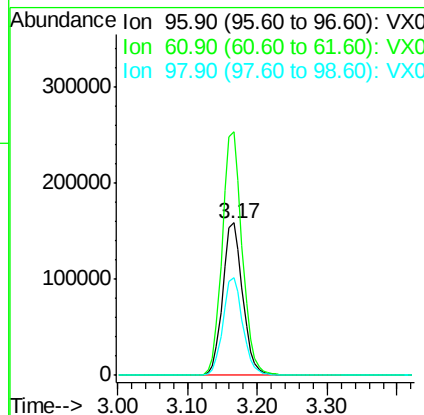
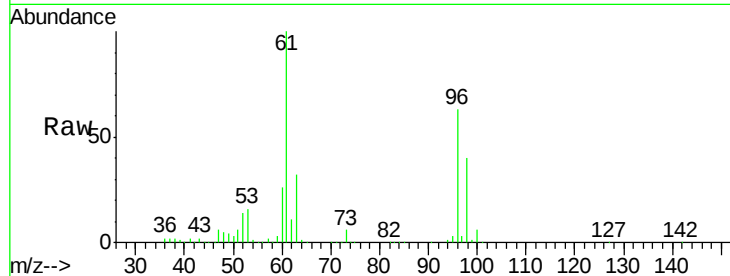
98 63.7 50.4 75.6

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#22

Diisopropyl ether

Concen: 47.185 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX009900.D

Acq: 24 May 2019 20:28

Tgt Ion: 45 Resp: 347961

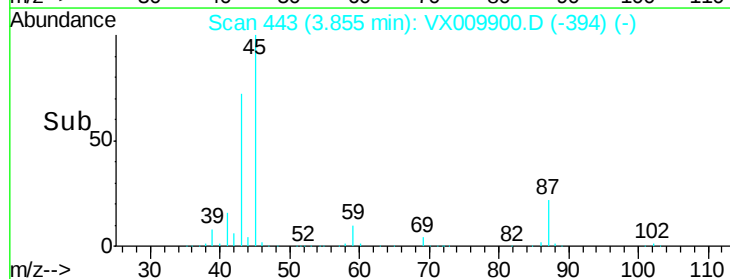
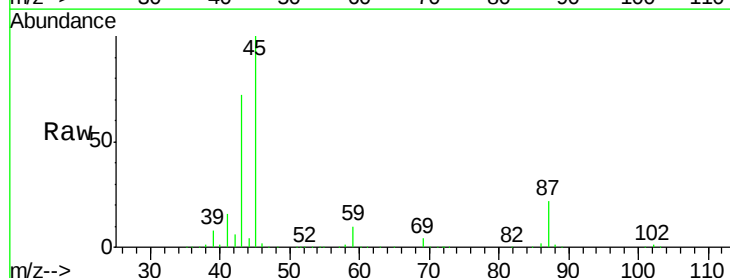
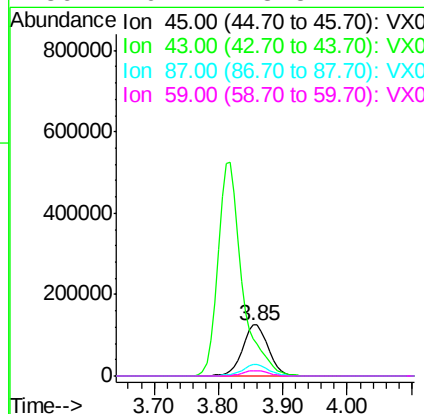
Ion Ratio Lower Upper

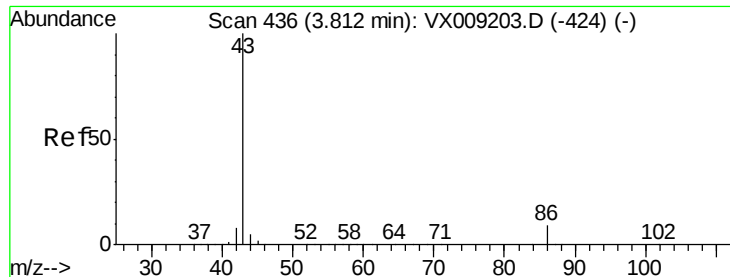
45 100

43 72.2 56.1 84.1

87 21.7 18.1 27.1

59 10.1 8.5 12.7





#23

Vinyl Acetate

Concen: 218.849 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.01 min

Lab File: VX009900.D

Acq: 24 May 2019 20:28

Instrument :

MSVOA_X

ClientSampleId :

S32-0657MSD

Tot Ion: 43 Resp: 1381983

Ion Ratio Lower Upper

43 100

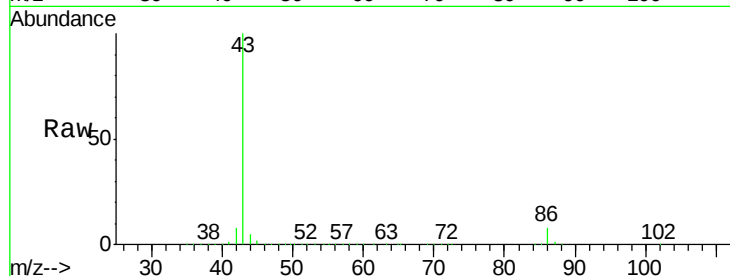
86 8.1 6.9 10.3

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.82

600000

500000

400000

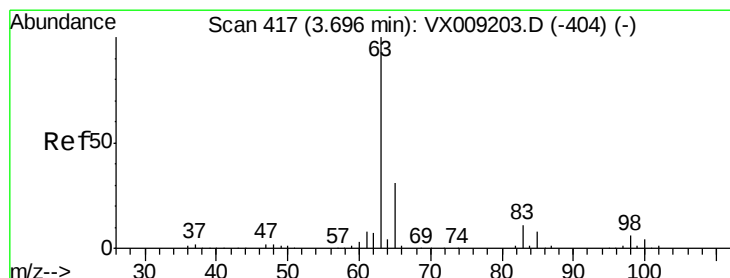
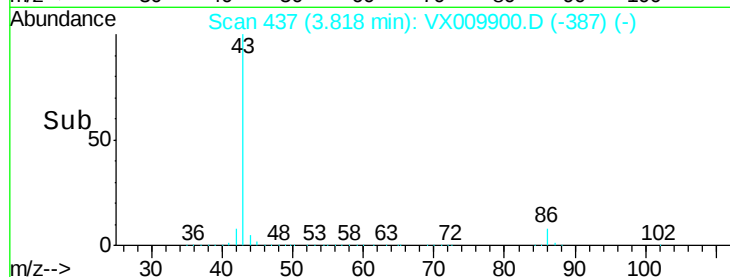
300000

200000

100000

0

Time--> 3.60 3.80 4.00



#24

1,1-Dichloroethane

Concen: 45.560 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX009900.D

Acq: 24 May 2019 20:28

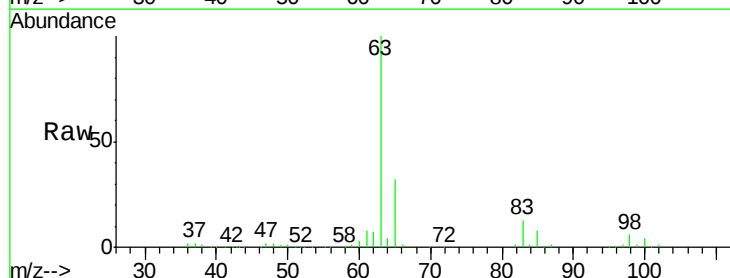
Tgt Ion: 63 Resp: 165740

Ion Ratio Lower Upper

63 100

98 5.9 3.0 9.2

100 4.0 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

3.70

80000

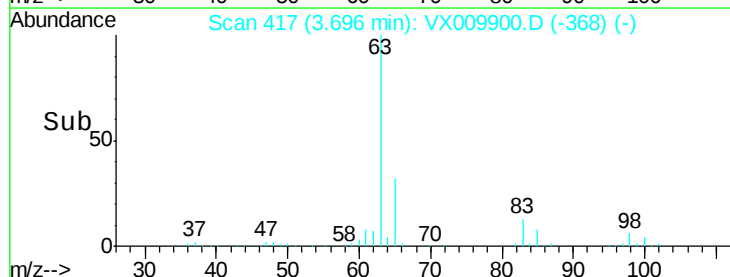
60000

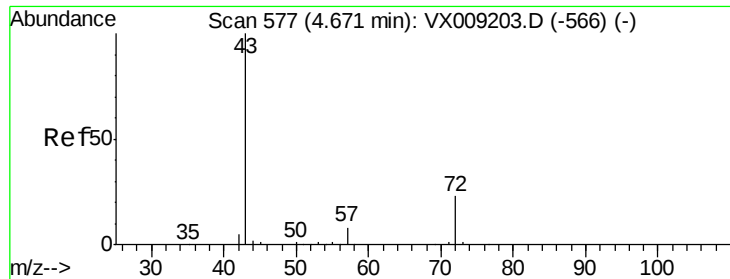
40000

20000

0

Time--> 3.60 3.70 3.80 3.90





#25

2-Butanone

Concen: 241.682 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX009900.D

Acq: 24 May 2019 20:28

Instrument :

MSVOA_X

ClientSampleId :

S32-0657MSD

Tot Ion: 43 Resp: 461665

Ion Ratio Lower Upper

43 100

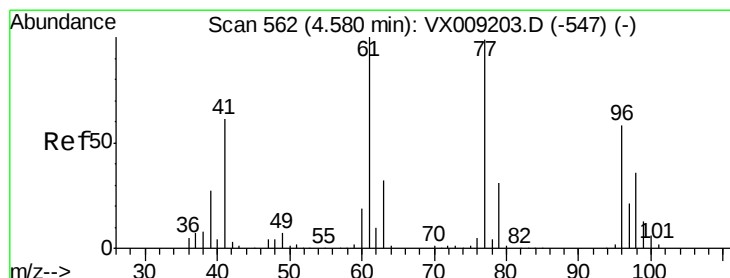
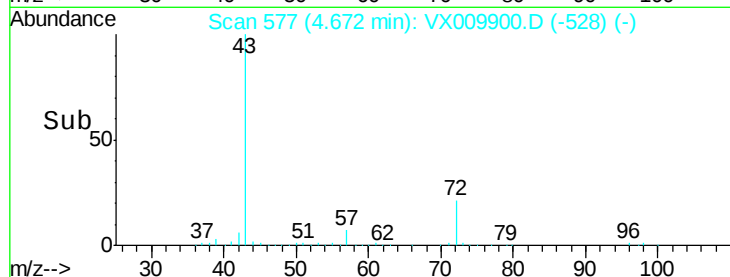
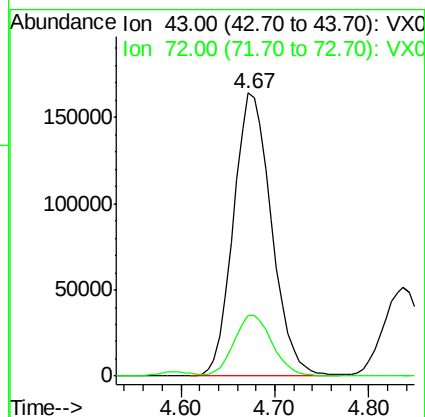
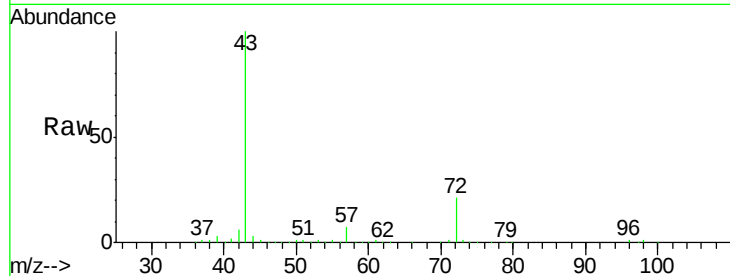
72 21.2 18.2 27.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 36.178 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX009900.D

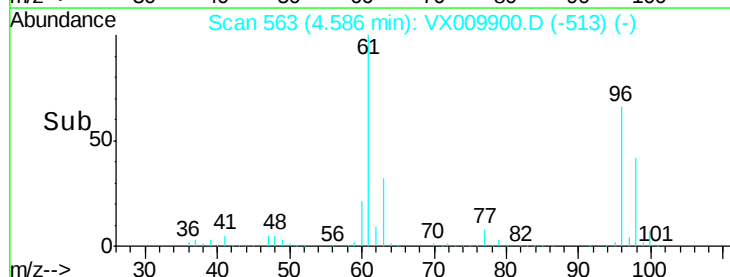
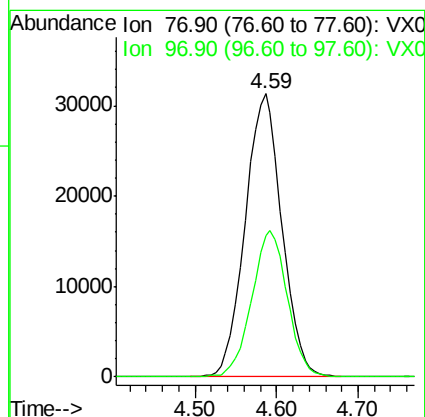
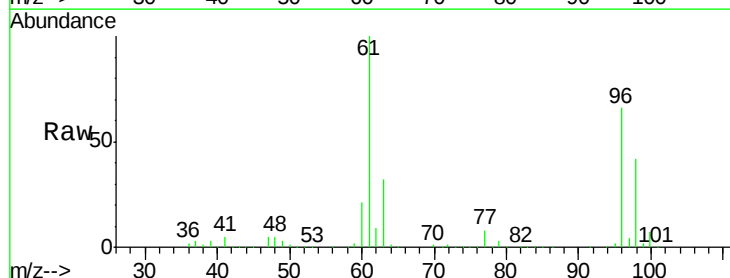
Acq: 24 May 2019 20:28

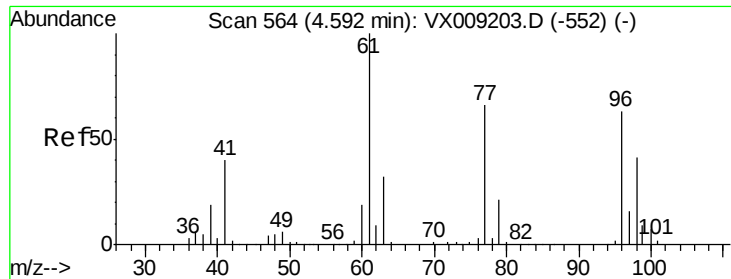
Tgt Ion: 77 Resp: 97964

Ion Ratio Lower Upper

77 100

97 50.2 11.5 34.4#





#27

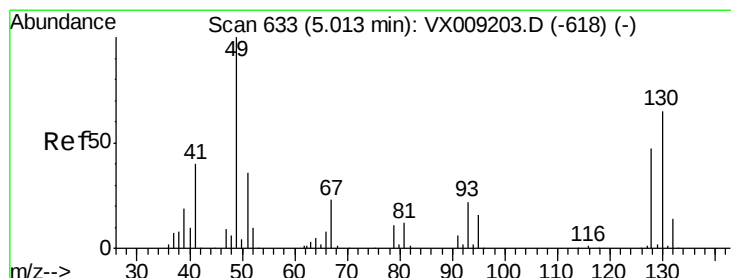
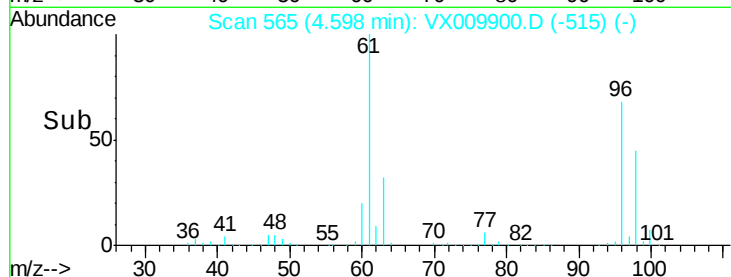
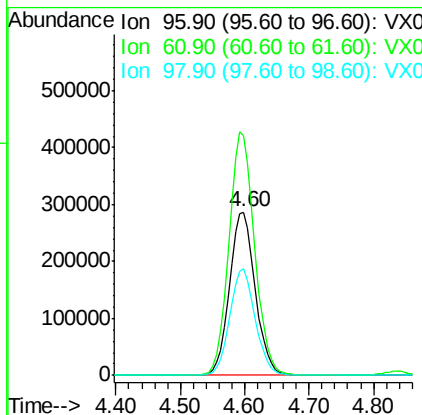
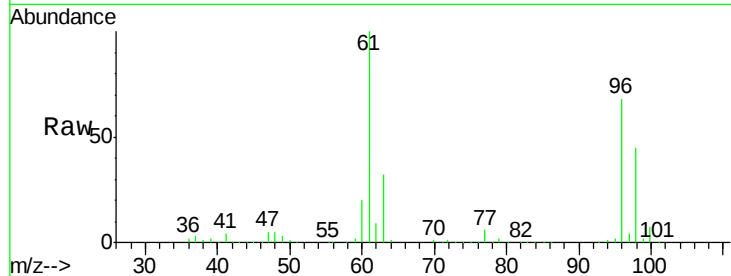
cis-1,2-Dichloroethene
Concen: 393.555 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX009900.D
Acq: 24 May 2019 20:28

Instrument :
MSVOA_X
ClientSampleId :
S32-0657MSD

Tot Ion	Ratio	Resp	Lower	Upper
96	100	801612		
61	148.9		0.0	324.0
98	64.6		0.0	130.4

Manual Integrations
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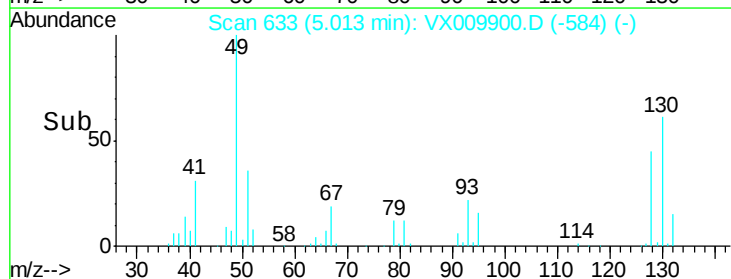
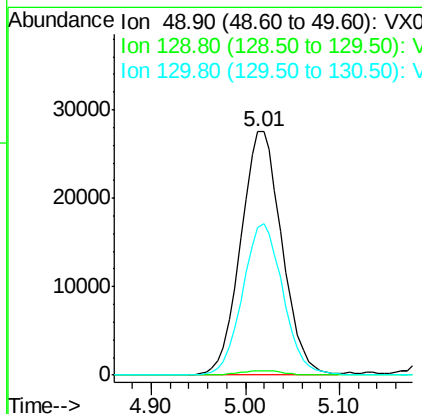
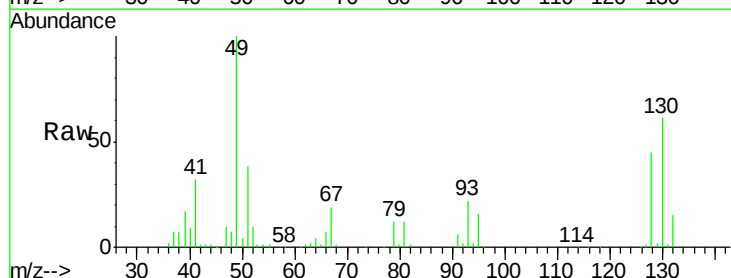
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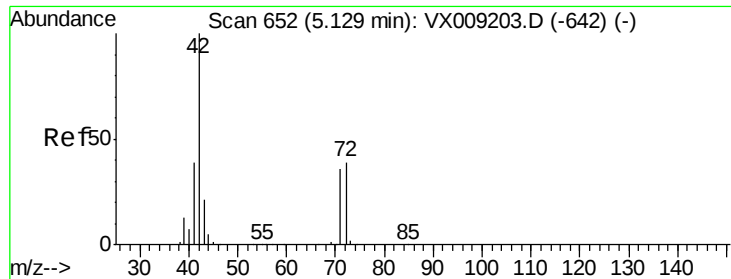


#28

Bromochloromethane
Concen: 58.040 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX009900.D
Acq: 24 May 2019 20:28

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	84350		
129	1.8		0.0	3.8
130	60.9		51.2	76.8





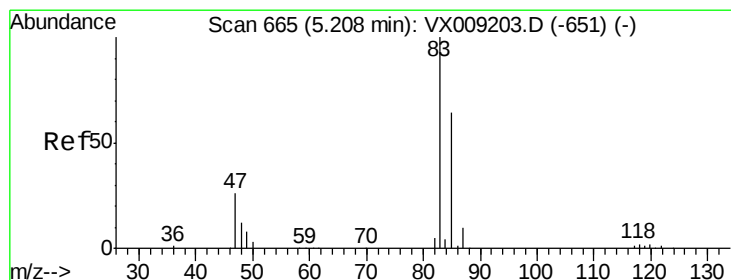
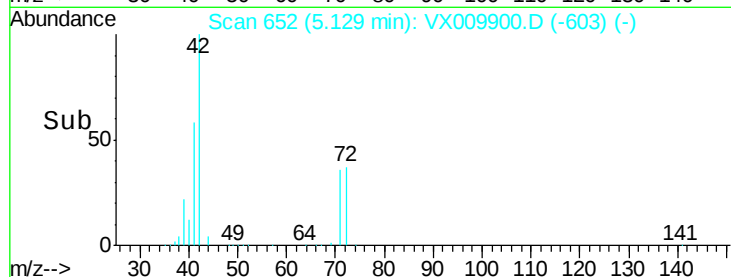
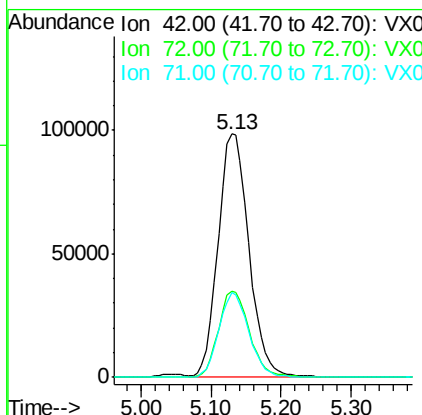
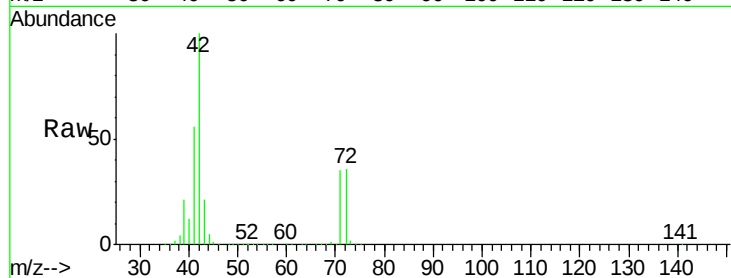
#29
Tetrahydrofuran
Concen: 244.715 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX009900.D
Acq: 24 May 2019 20:28

Instrument :
MSVOA_X
ClientSampleId :
S32-0657MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.0	30.4	45.6
71	34.1	28.6	43.0

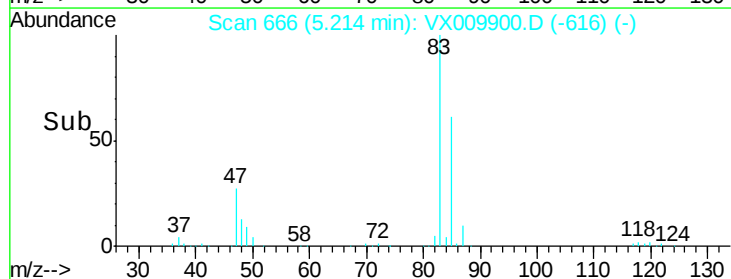
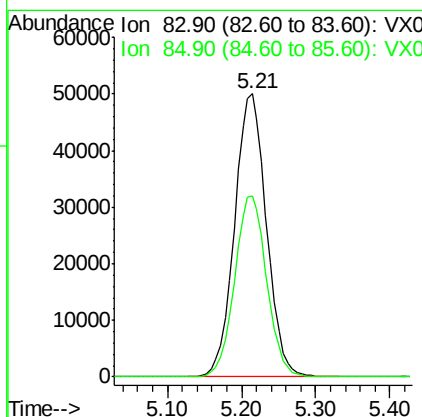
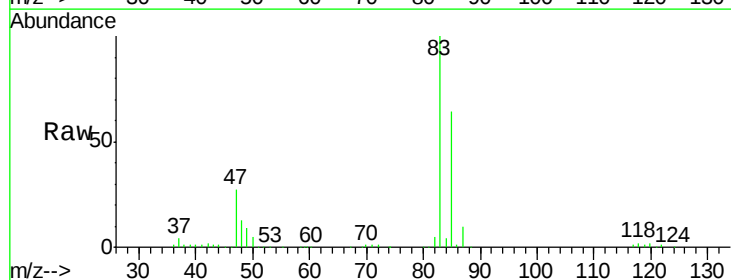
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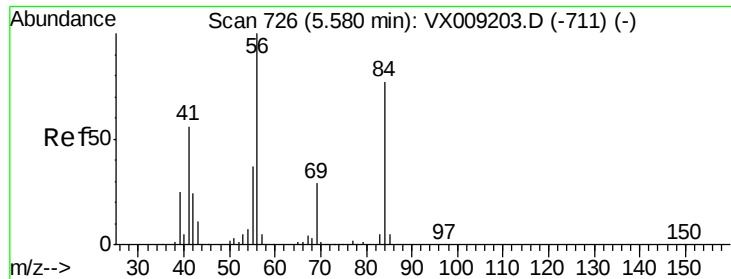
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#30
Chloroform
Concen: 45.521 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX009900.D
Acq: 24 May 2019 20:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.5	77.3





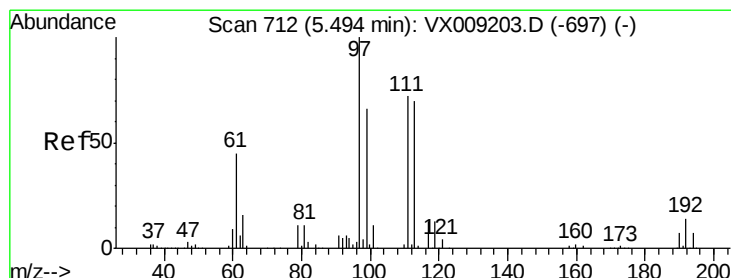
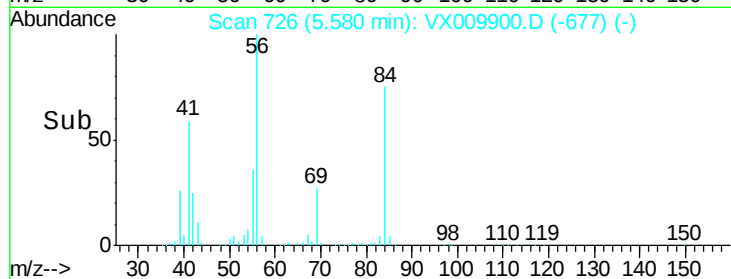
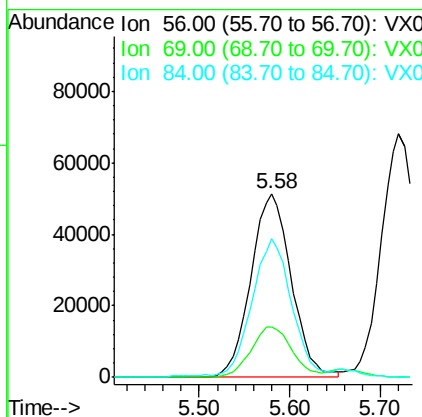
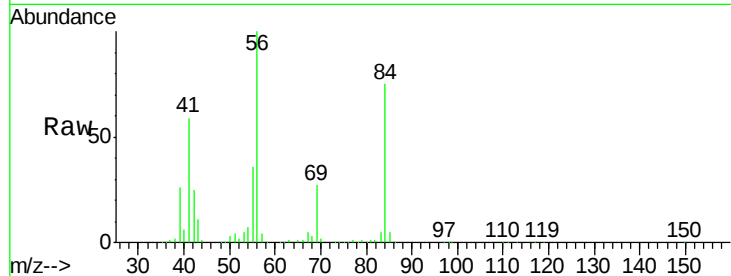
#31
Cyclohexane
Concen: 46.682 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.00 min
Lab File: VX009900.D
Acq: 24 May 2019 20:28

Instrument :
MSVOA_X
ClientSampleId :
S32-0657MSD

Tot Ion	Ratio	Lower	Upper
56	100		
69	27.2	23.4	35.0
84	74.1	61.9	92.9

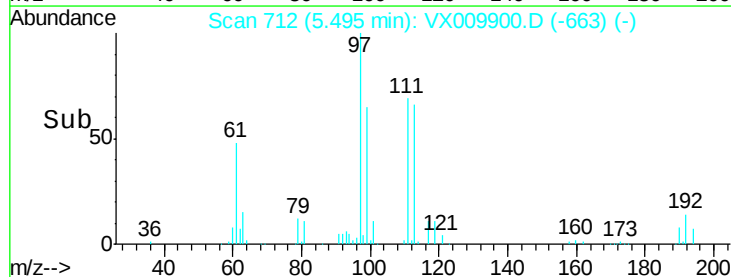
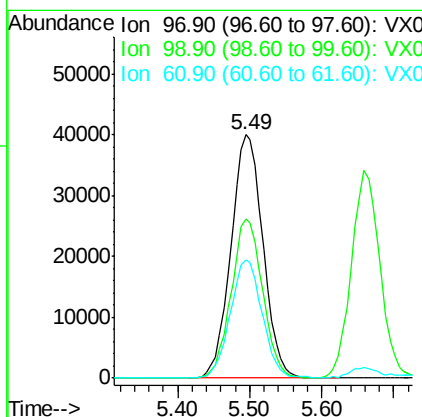
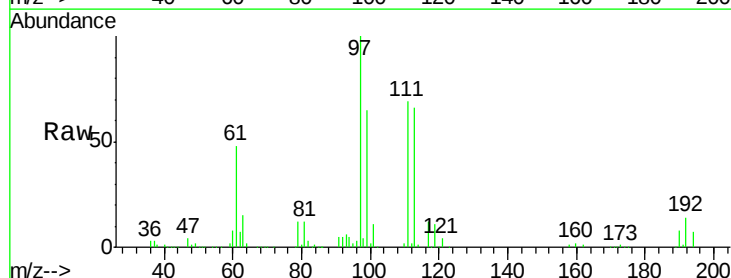
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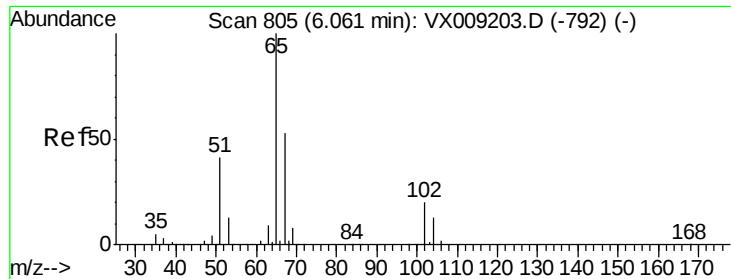
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#32
1,1,1-Trichloroethane
Concen: 45.097 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX009900.D
Acq: 24 May 2019 20:28

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.8	77.8
61	48.6	37.8	56.8





#33

1,2-Dichloroethane-d4

Concen: 48.170 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009900.D

Acq: 24 May 2019 20:28

Instrument :

MSVOA_X

ClientSampleId :

S32-0657MSD

Tot Ion: 65 Resp: 110275

Ion Ratio Lower Upper

65 100

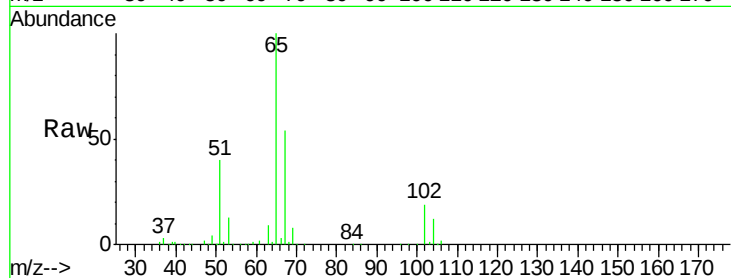
67 53.4 0.0 106.6

Manual Integrations

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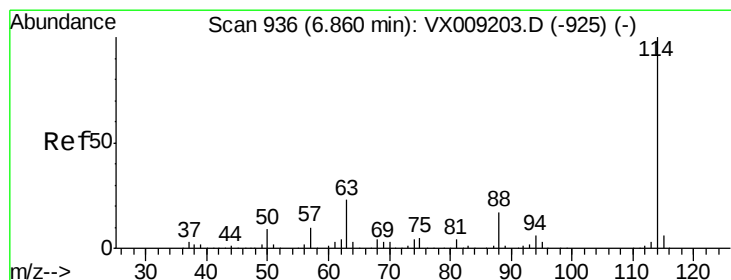
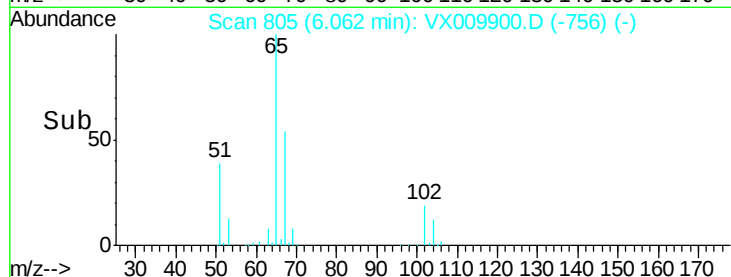
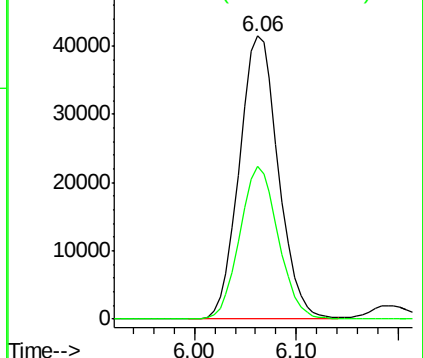
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX009900.D

Acq: 24 May 2019 20:28

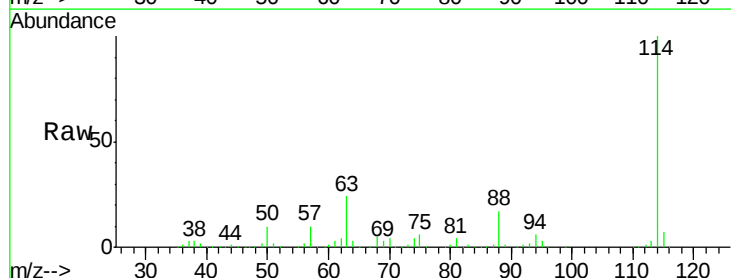
Tgt Ion: 114 Resp: 272177

Ion Ratio Lower Upper

114 100

63 24.2 0.0 45.6

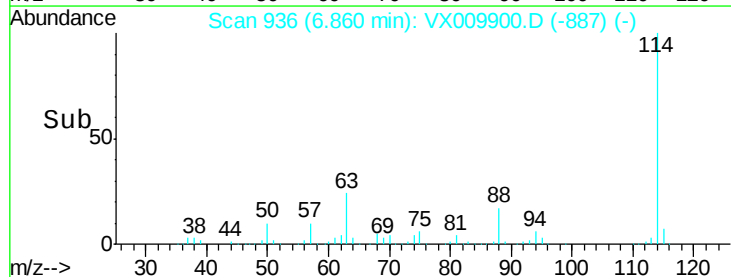
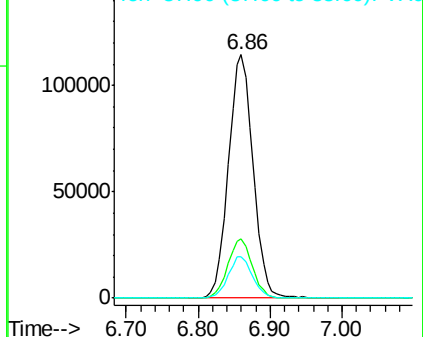
88 16.9 0.0 33.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





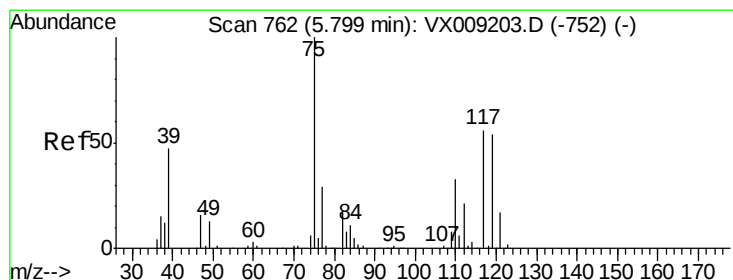
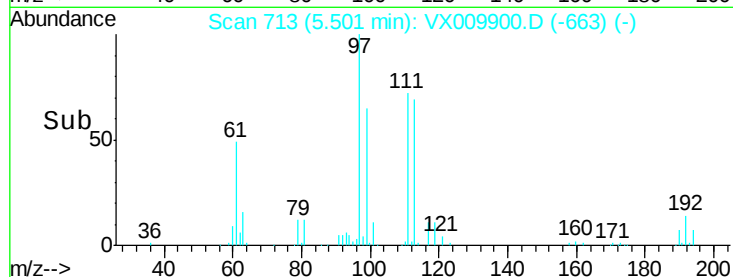
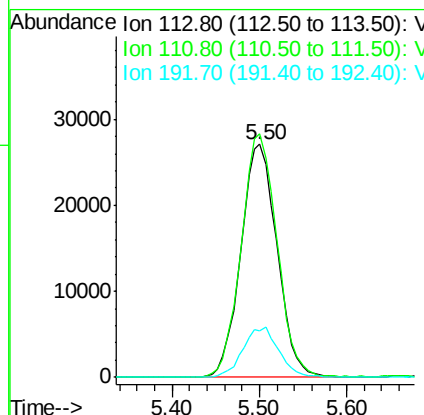
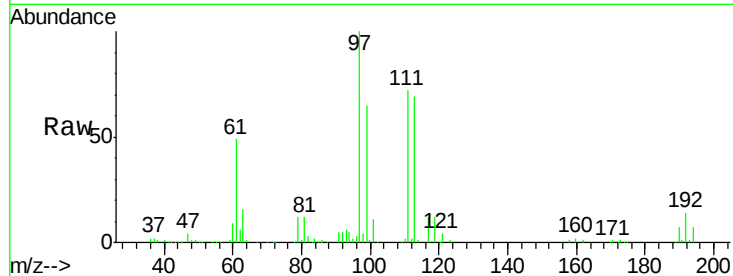
#35
 Dibromofluoromethane
 Concen: 45.682 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009900.D
 Acq: 24 May 2019 20:28

Instrument :
 MSVOA_X
 ClientSampleId :
 S32-0657MSD

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.8	124.2
192	21.3	17.0	25.6

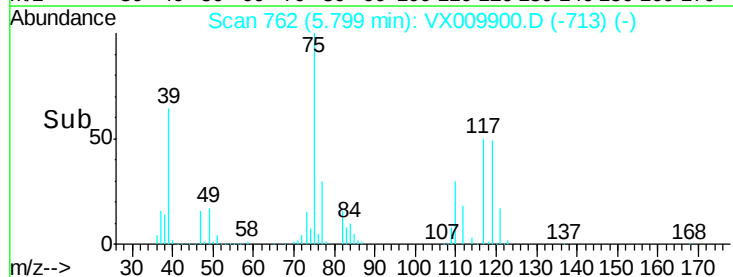
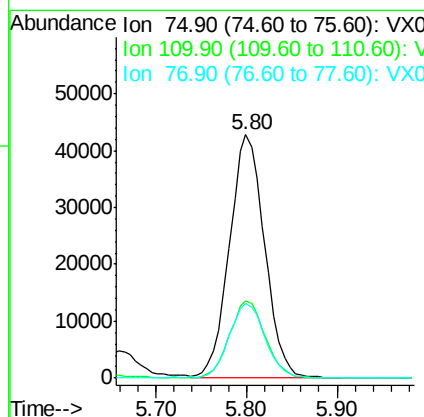
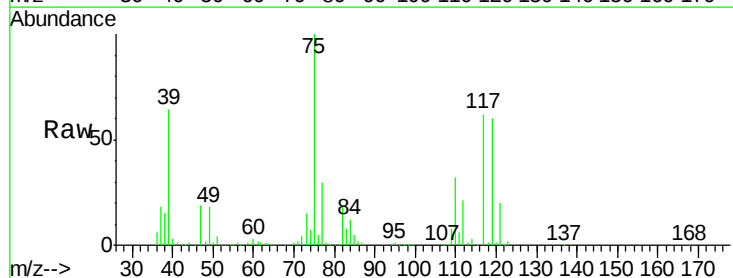
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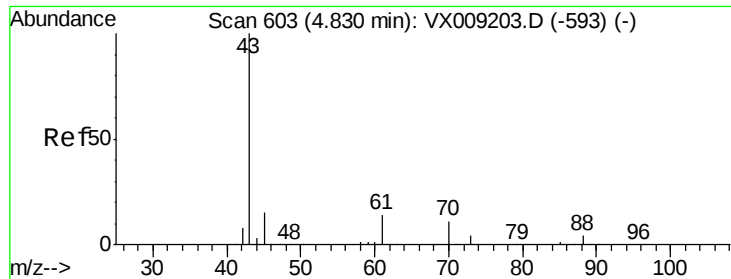
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#36
 1,1-Dichloropropene
 Concen: 45.242 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX009900.D
 Acq: 24 May 2019 20:28

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.7	16.9	50.6
77	32.1	24.8	37.2





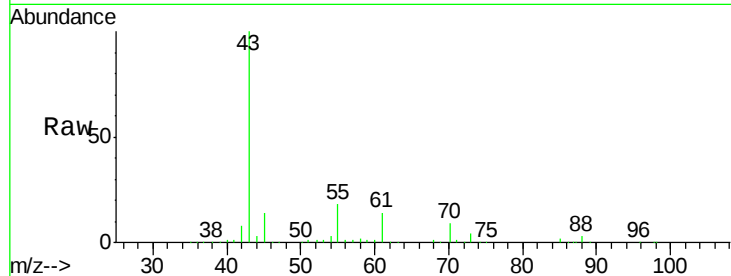
#37
Ethyl Acetate
Concen: 43.000 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX009900.D
Acq: 24 May 2019 20:28

Instrument :
MSVOA_X
ClientSampleId :
S32-0657MSD

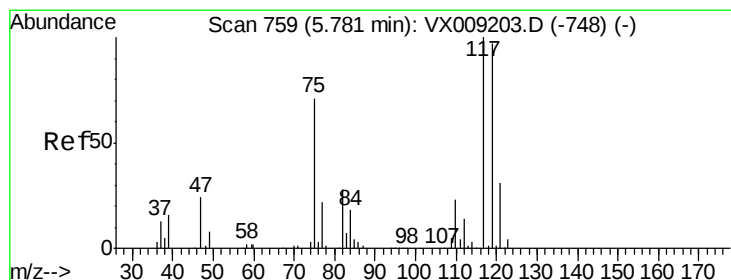
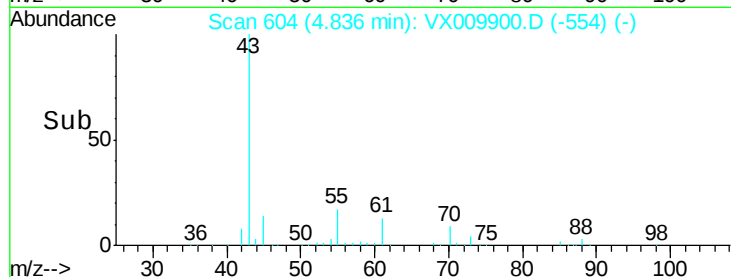
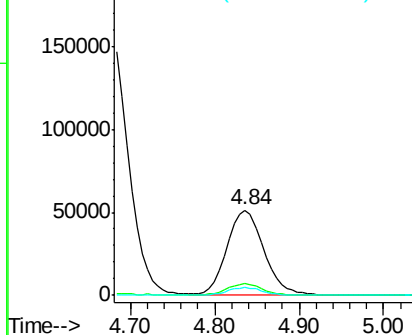
Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.5	15.7#
70	9.1	7.9	11.9

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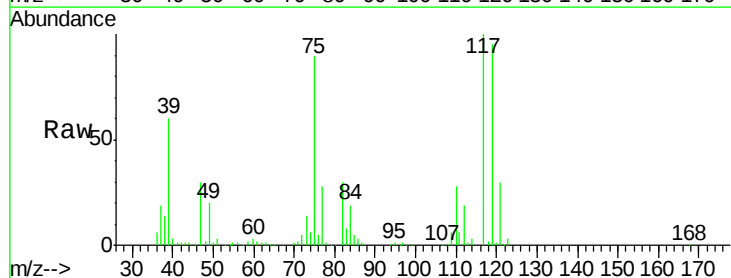


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

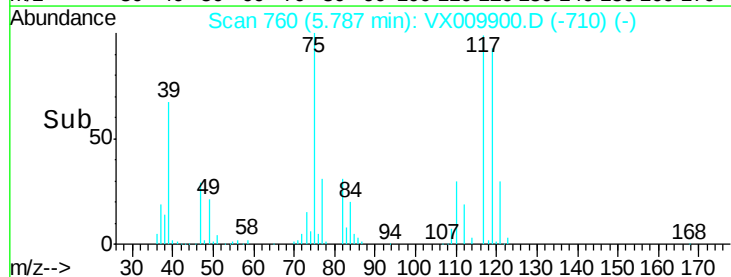
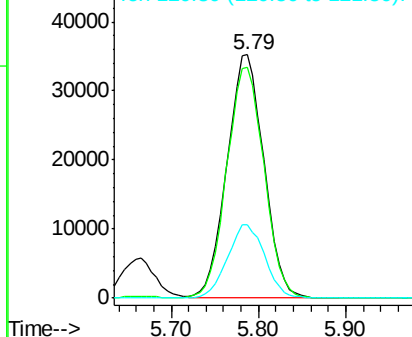


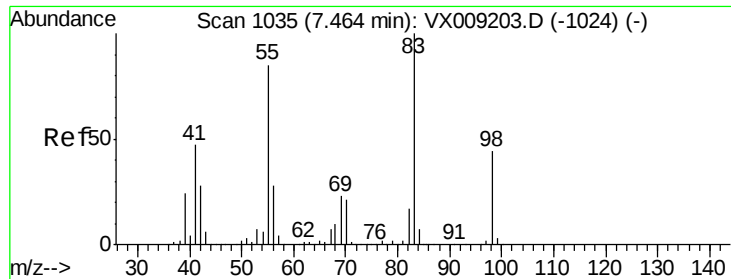
#38
Carbon Tetrachloride
Concen: 44.991 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX009900.D
Acq: 24 May 2019 20:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.7	77.5	116.3
121	30.2	24.7	37.1



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





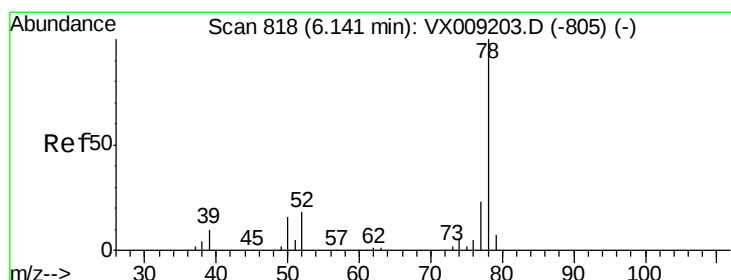
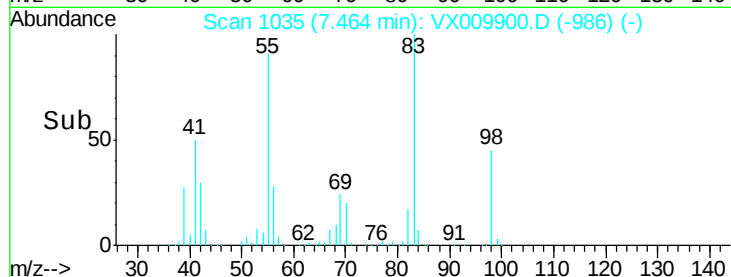
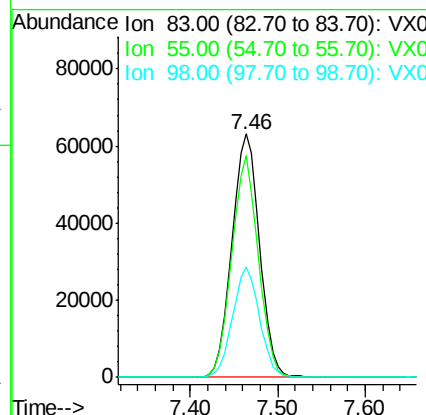
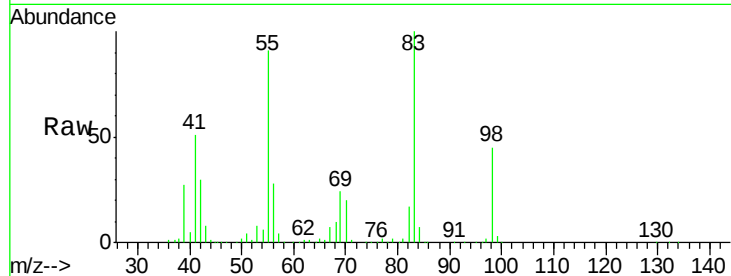
#39
Methvlcvclohexane
Concen: 44.585 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX009900.D
Acq: 24 May 2019 20:28

Instrument :
MSVOA_X
ClientSampleId :
S32-0657MSD

Tot Ion	83.00	Resp	138494
Ion Ratio	Lower	Upper	
83	100		
55	91.0	67.7	101.5
98	45.3	35.5	53.3

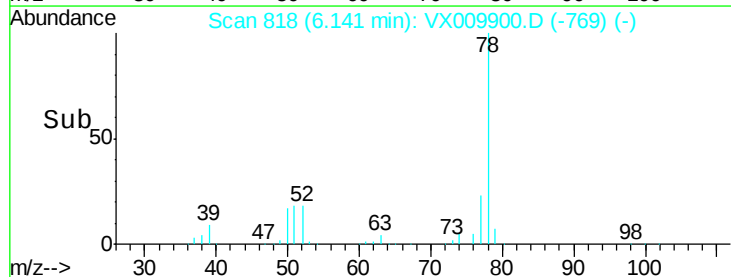
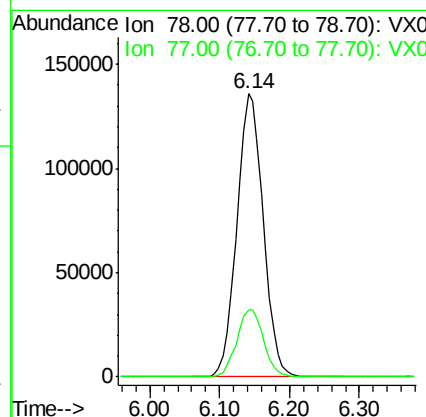
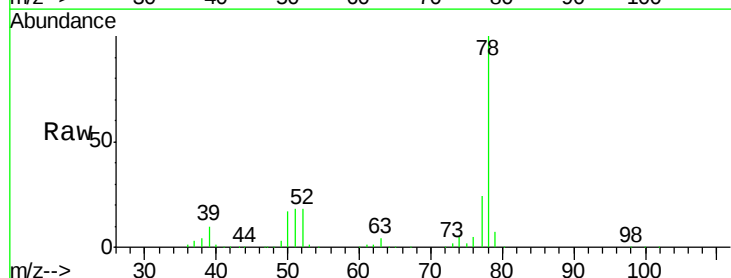
Manual Integrations
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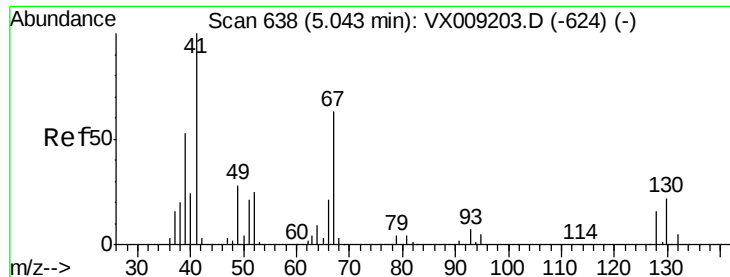
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#40
Benzene
Concen: 45.319 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX009900.D
Acq: 24 May 2019 20:28

Tgt Ion	78.00	Resp	354754
Ion Ratio	Lower	Upper	
78	100		
77	23.8	18.8	28.2





#41

Methacrylonitrile

Concen: 46.918 ug/l

RT: 5.04 min Scan# 638

Delta R.T. 0.00 min

Lab File: VX009900.D

Acq: 24 May 2019 20:28

Instrument :

MSVOA_X

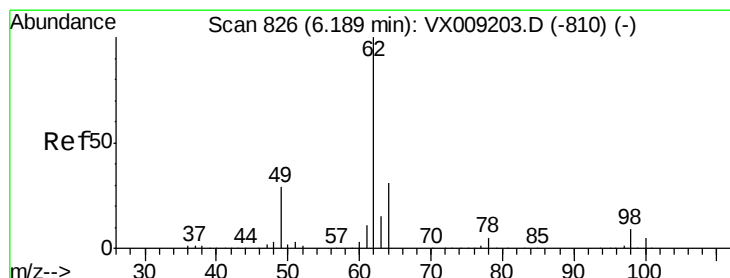
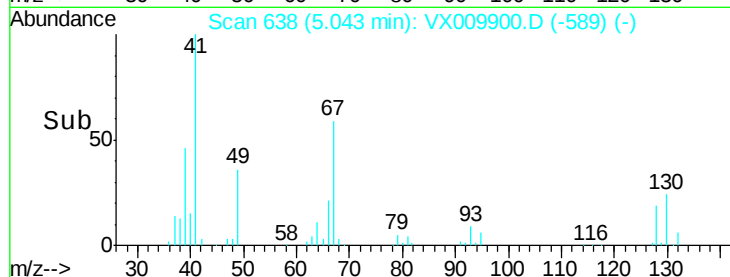
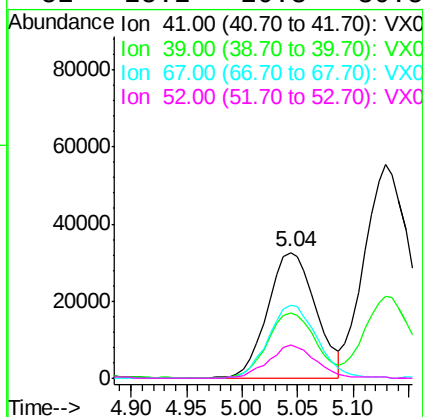
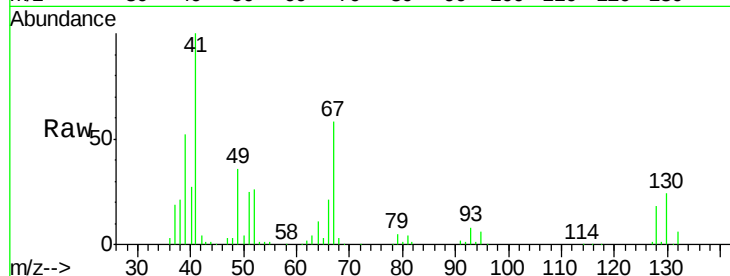
ClientSampleId :

S32-0657MSD

Tot Ion:	41	Resp:	98426
Ion	Ratio	Lower	Upper
41	100		
39	51.8	42.0	63.0
67	58.9	49.8	74.8
52	25.2	20.3	30.5

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#42

1,2-Dichloroethane

Concen: 46.823 ug/l

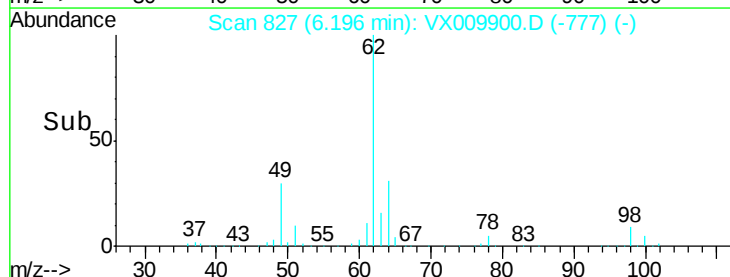
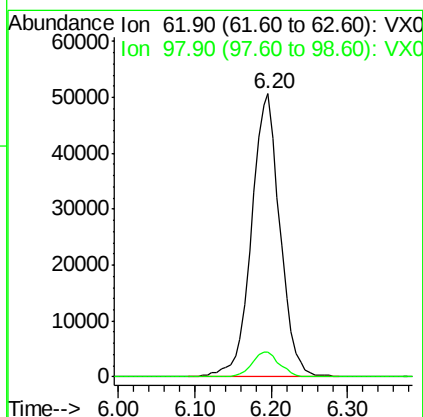
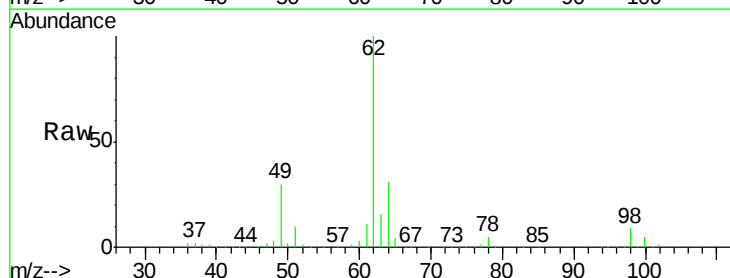
RT: 6.20 min Scan# 827

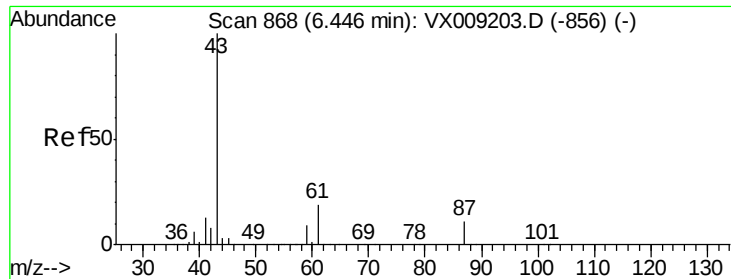
Delta R.T. 0.01 min

Lab File: VX009900.D

Acq: 24 May 2019 20:28

Tgt Ion:	62	Resp:	131479
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	18.2





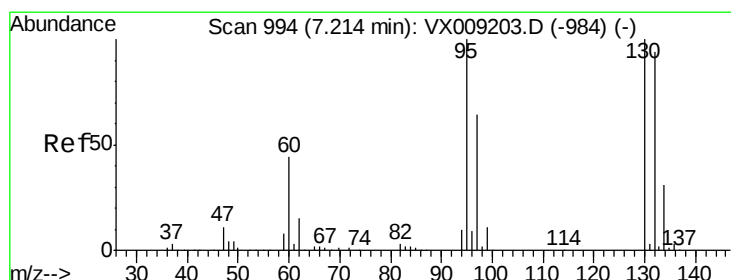
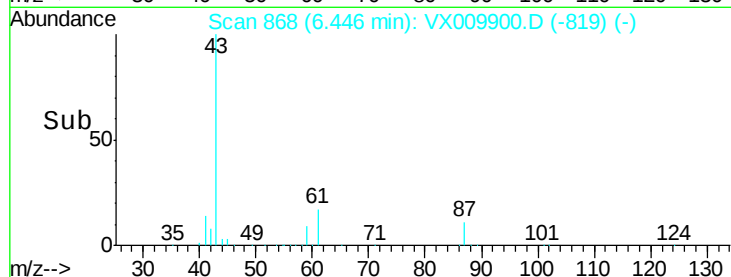
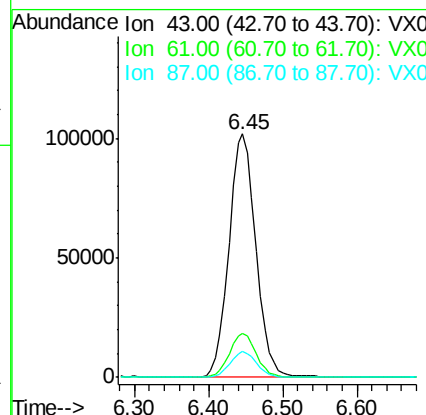
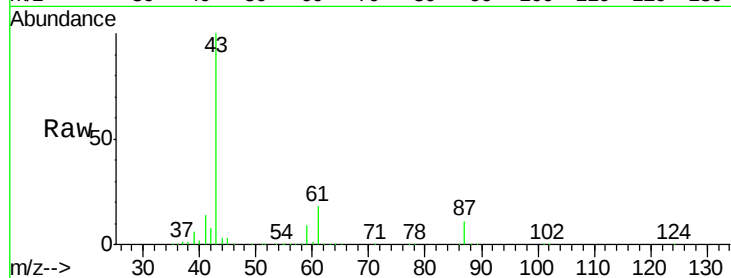
#43
Isopropyl Acetate
Concen: 45.291 ug/l
RT: 6.45 min Scan# 868
Delta R.T. 0.00 min
Lab File: VX009900.D
Acq: 24 May 2019 20:28

Instrument :
MSVOA_X
ClientSampleId :
S32-0657MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.2	15.1	22.7
87	10.6	9.0	13.6

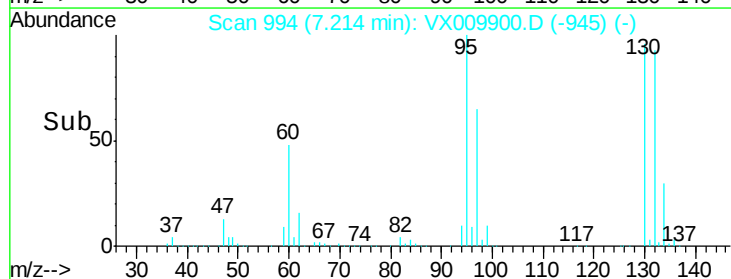
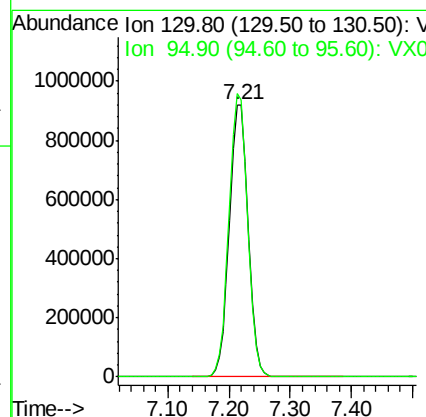
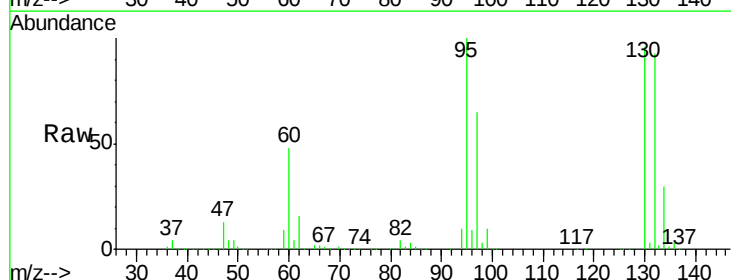
Manual Integrations
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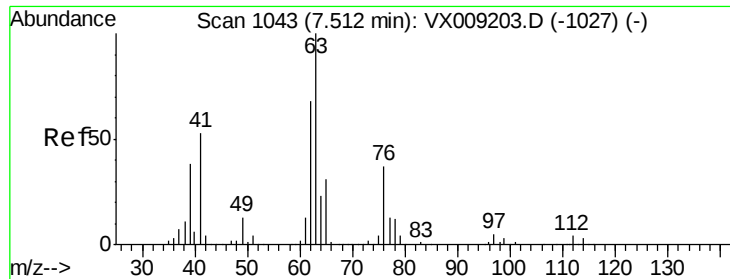
MMDadoda
5/28/2019 9:52:22 AM



#44
Trichloroethene
Concen: 1030.152 ug/l
RT: 7.21 min Scan# 994
Delta R.T. 0.00 min
Lab File: VX009900.D
Acq: 24 May 2019 20:28

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.0	0.0	199.2





#45

1,2-Dichloropropane

Concen: 45.602 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX009900.D

Acq: 24 May 2019 20:28

Instrument :

MSVOA_X

ClientSampleId :

S32-0657MSD

Tot Ion: 63 Resp: 101081

Ion Ratio Lower Upper

63 100

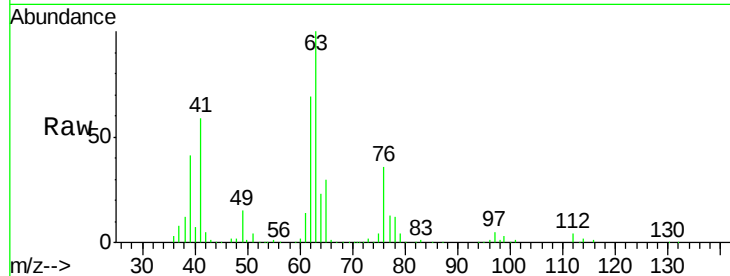
65 30.2 25.0 37.6

Manual Integrations

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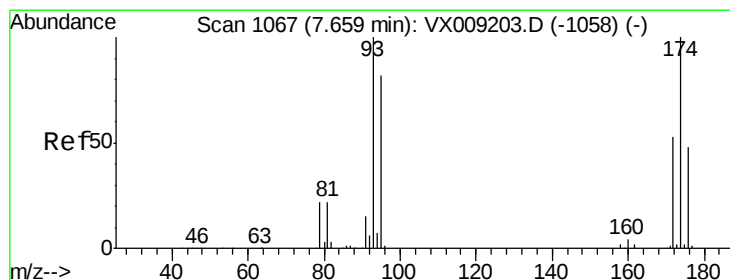
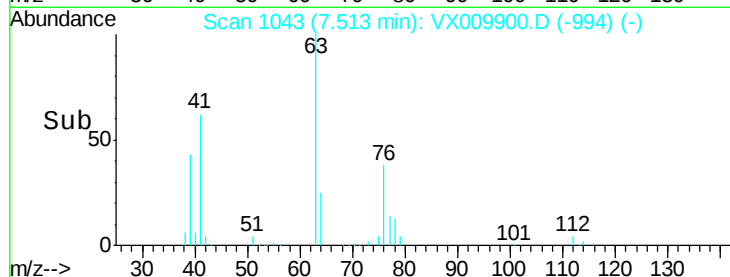
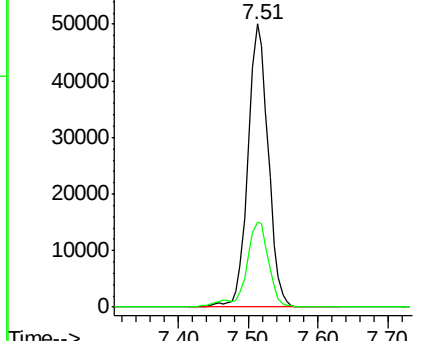
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 45.528 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX009900.D

Acq: 24 May 2019 20:28

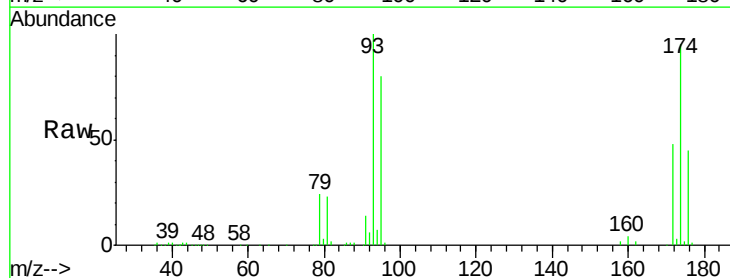
Tgt Ion: 93 Resp: 58602

Ion Ratio Lower Upper

93 100

95 82.2 66.5 99.7

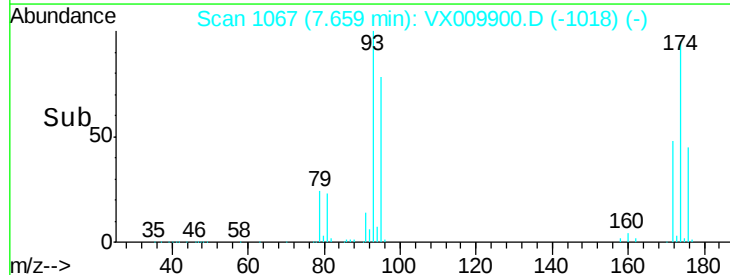
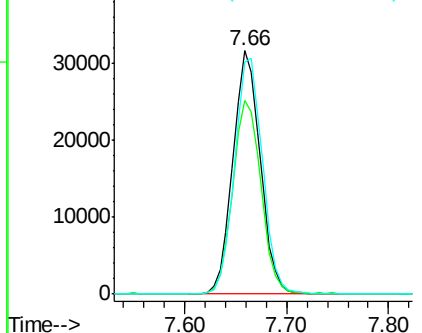
174 99.4 82.1 123.1

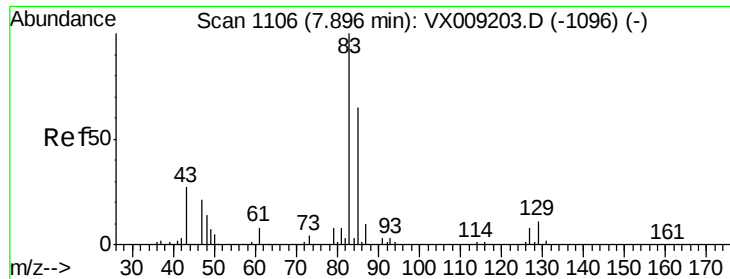


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 45.910 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX009900.D

Acq: 24 May 2019 20:28

Instrument :

MSVOA_X

ClientSampleId :

S32-0657MSD

Tot Ion: 83 Resp: 117879

Ion Ratio Lower Upper

83 100

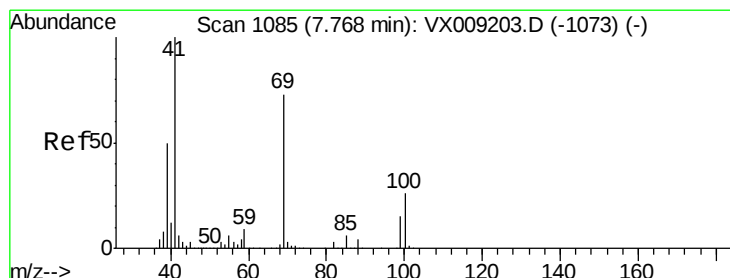
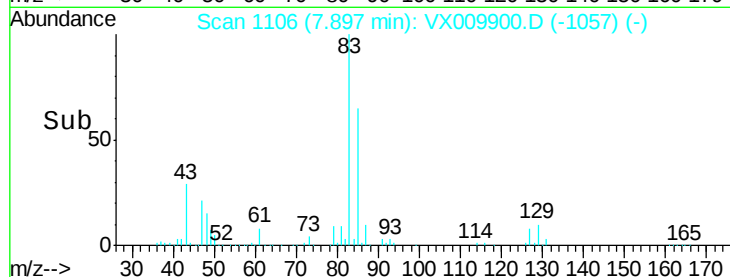
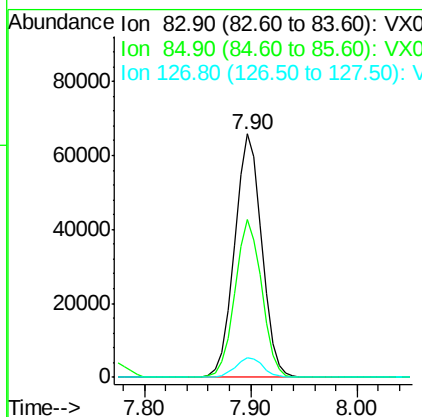
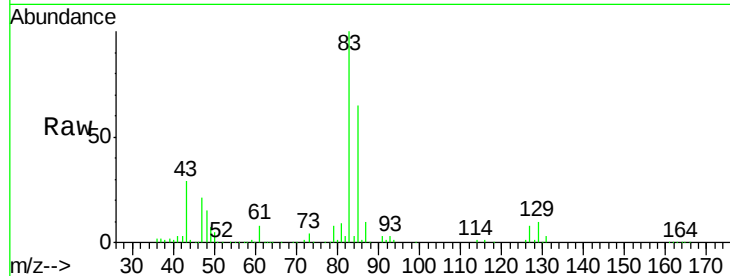
85 65.1 52.4 78.6

127 7.9 6.6 10.0

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#48

Methyl methacrylate

Concen: 49.499 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VX009900.D

Acq: 24 May 2019 20:28

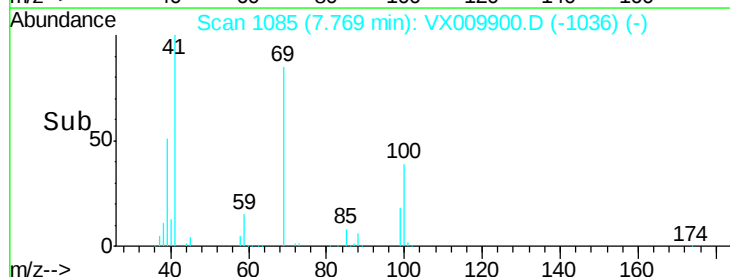
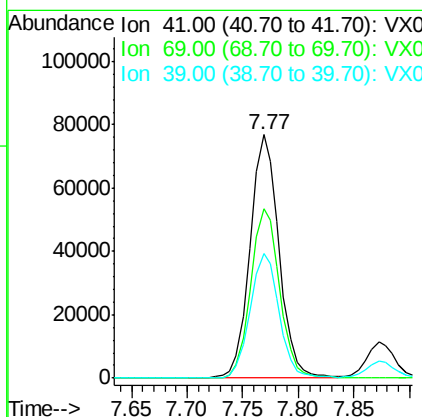
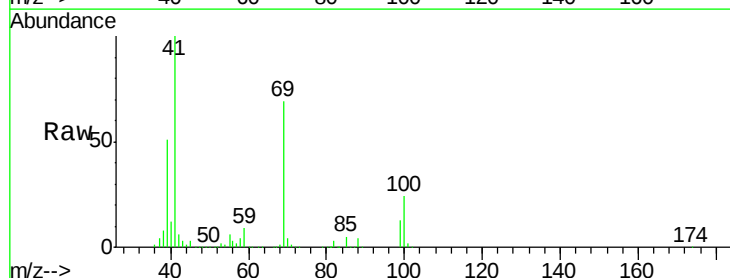
Tgt Ion: 41 Resp: 138434

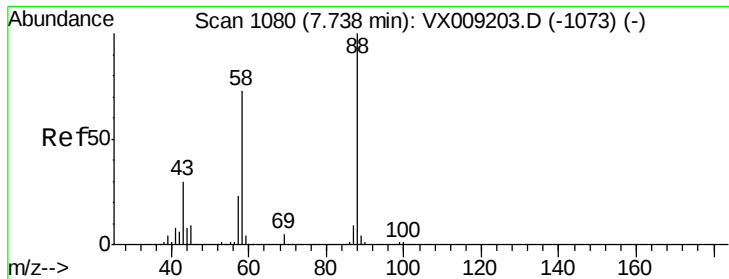
Ion Ratio Lower Upper

41 100

69 70.5 59.1 88.7

39 51.8 40.4 60.6





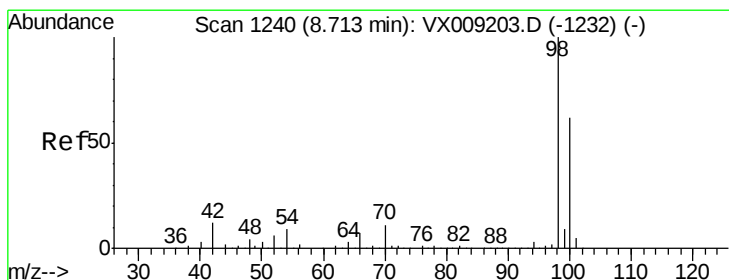
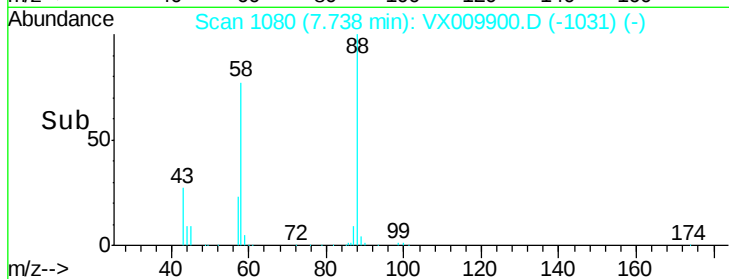
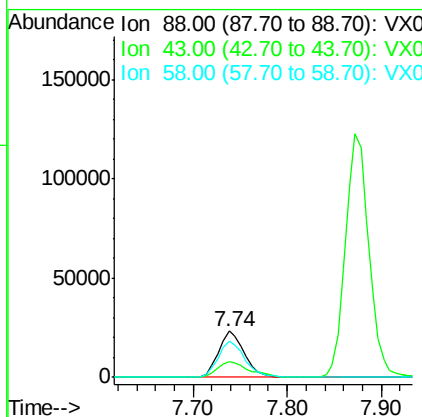
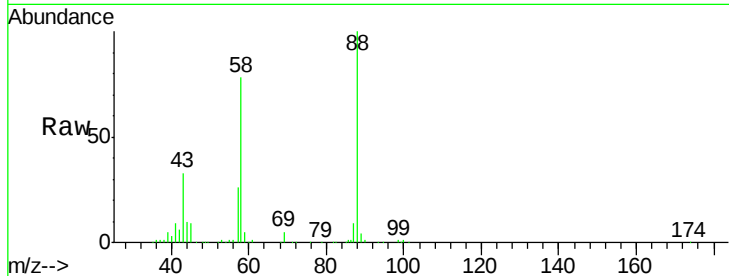
#49
1,4-Dioxane
Concen: 780.933 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX009900.D
Acq: 24 May 2019 20:28

Instrument :
MSVOA_X
ClientSampleId :
S32-0657MSD

Tot Ion	88	Resp	44292
Ion Ratio	100	Lower	Upper
88	100		
43	40.3	28.6	42.8
58	81.6	61.7	92.5

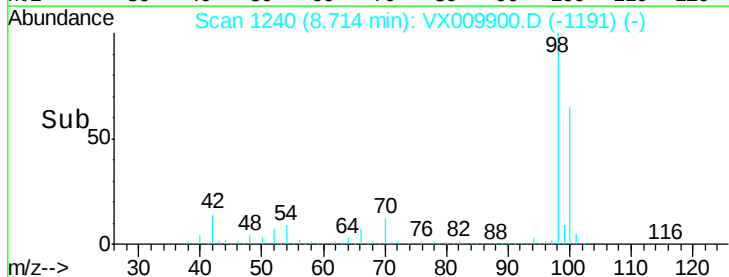
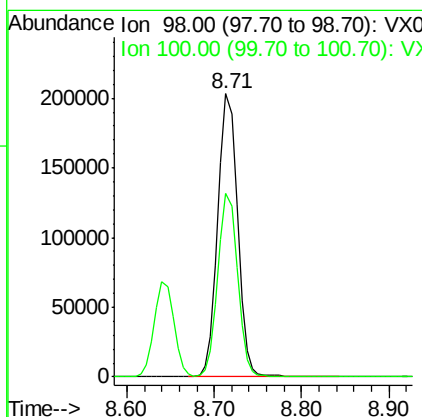
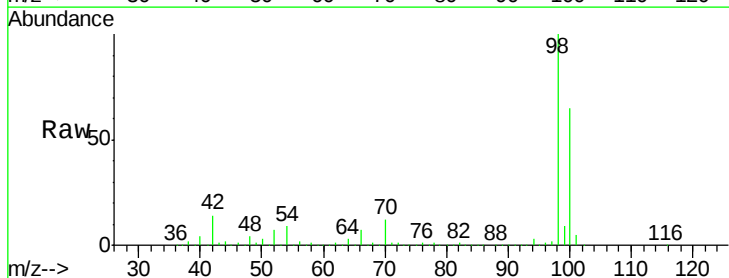
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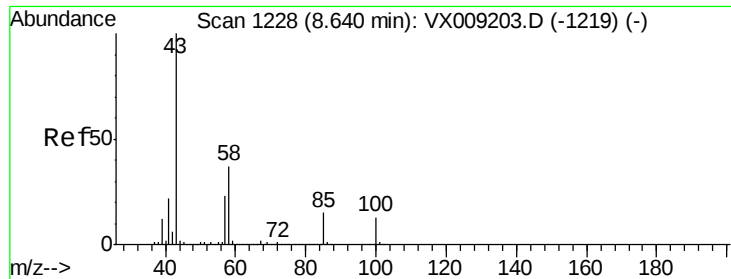
MMDadoda
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#50
Toluene-d8
Concen: 46.406 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009900.D
Acq: 24 May 2019 20:28

Tgt Ion	98	Resp	320561
Ion Ratio	100	Lower	Upper
98	100		
100	64.5	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 249.474 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX009900.D

Acq: 24 May 2019 20:28

Instrument :

MSVOA_X

ClientSampleId :

S32-0657MSD

Tot Ion: 43 Resp: 919193

Ion Ratio Lower Upper

43 100

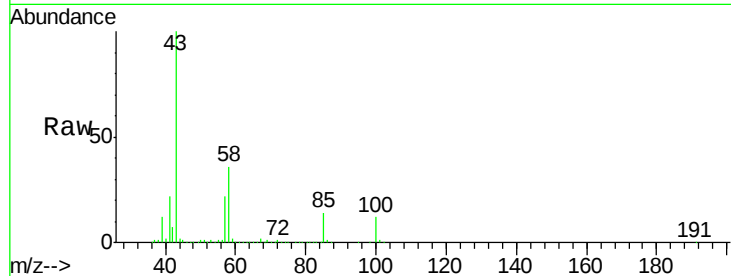
58 35.8 29.5 44.3

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.64

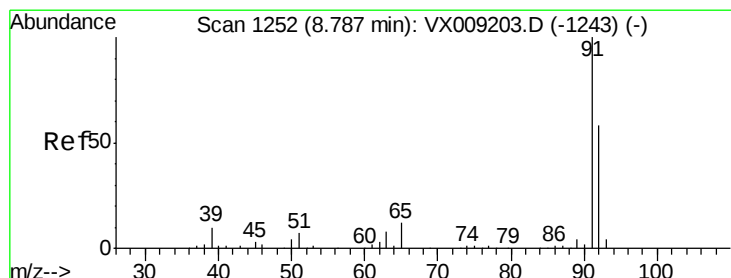
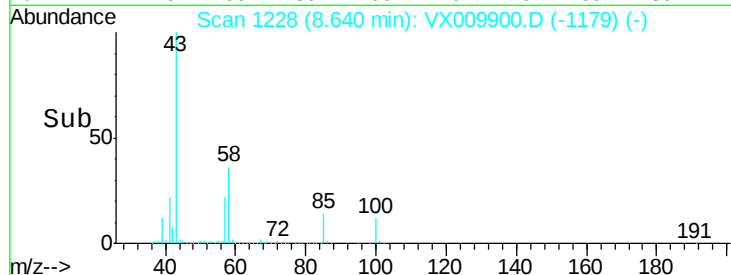
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 45.651 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX009900.D

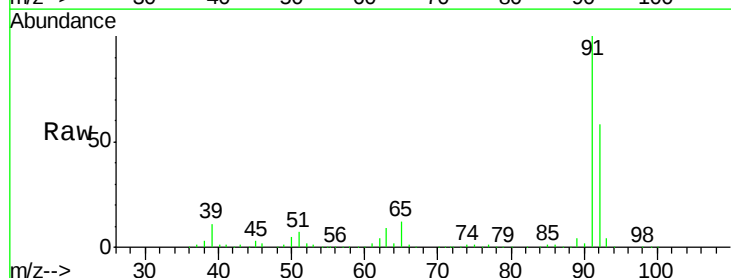
Acq: 24 May 2019 20:28

Tgt Ion: 92 Resp: 217229

Ion Ratio Lower Upper

92 100

91 173.4 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

250000

200000

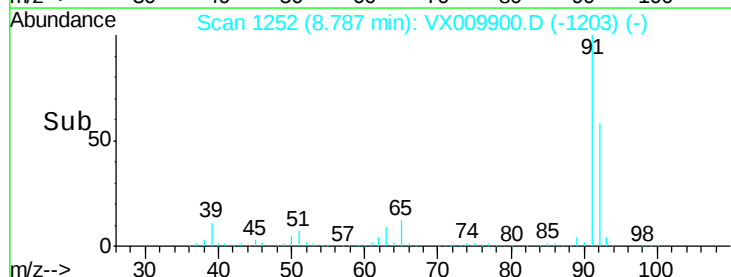
150000

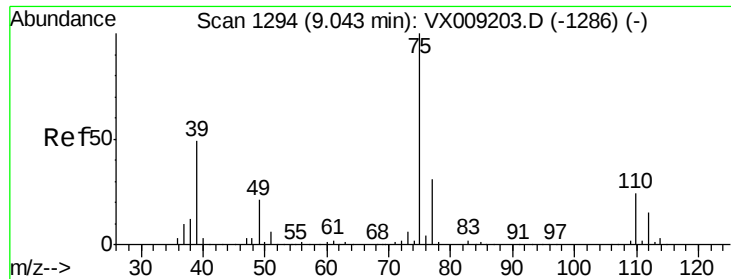
100000

50000

0

Time-->





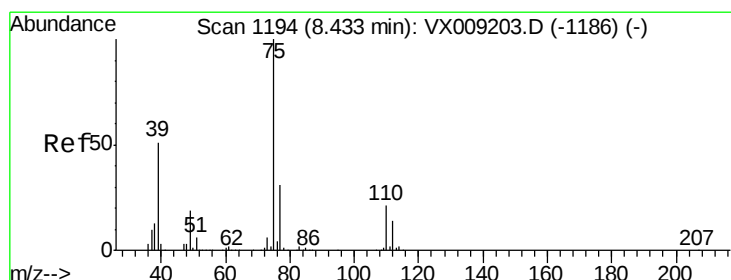
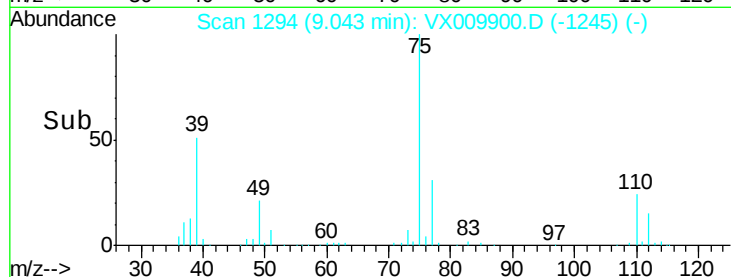
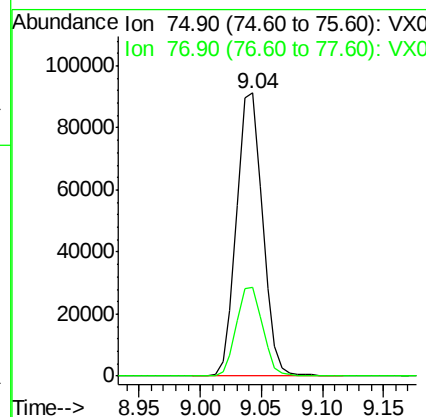
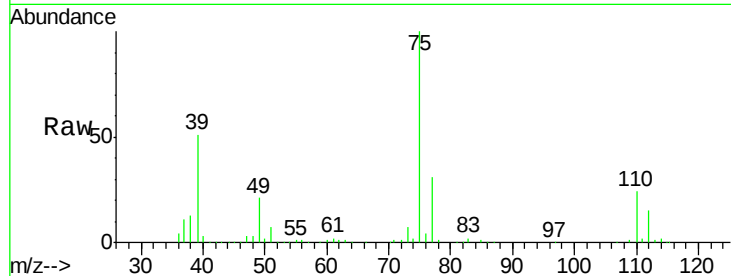
#53
t-1,3-Dichloropropene
Concen: 46.509 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX009900.D
Acq: 24 May 2019 20:28

Instrument :
MSVOA_X
ClientSampleId :
S32-0657MSD

Tot Ion	75	Resp	134821
Ion Ratio	Lower	Upper	
75	100		
77	31.3	25.0	37.6

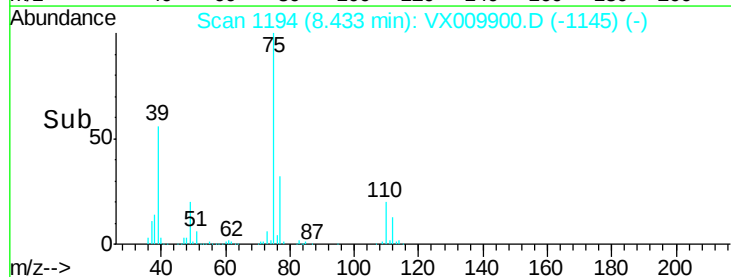
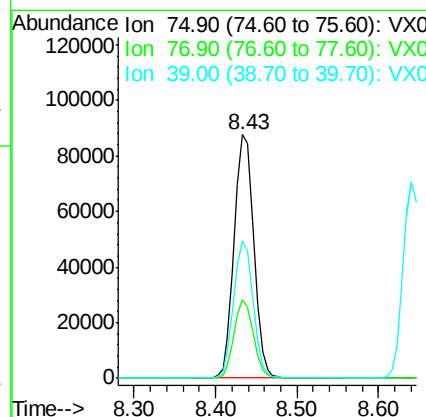
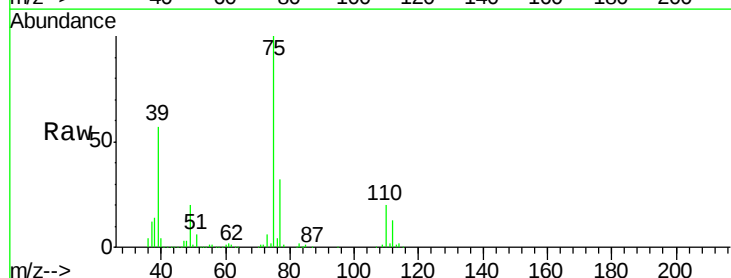
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#54
cis-1,3-Dichloropropene
Concen: 45.225 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX009900.D
Acq: 24 May 2019 20:28

Tgt Ion	75	Resp	145108
Ion Ratio	Lower	Upper	
75	100		
77	32.1	24.6	36.8
39	56.5	40.6	60.8





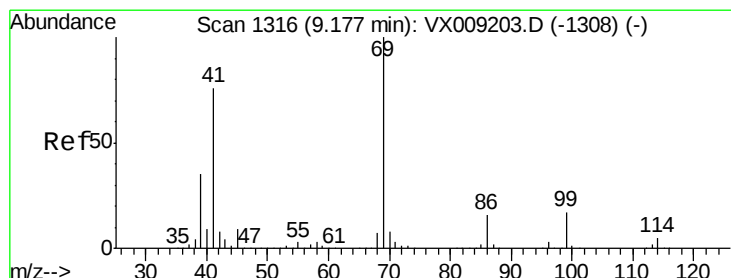
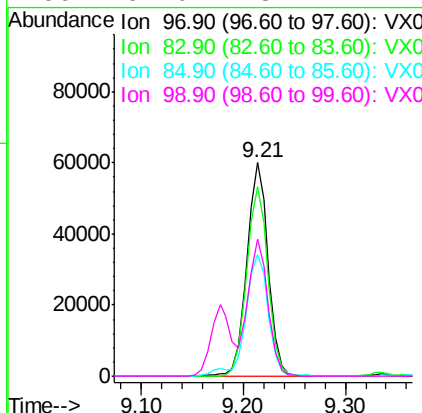
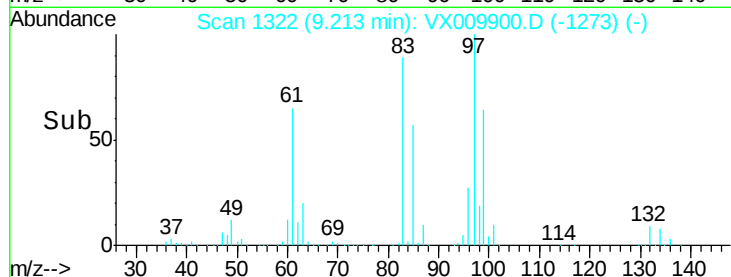
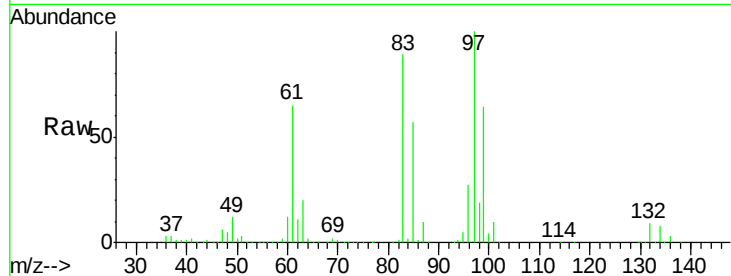
#55
 1,1,2-Trichloroethane
 Concen: 44.843 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX009900.D
 Acq: 24 May 2019 20:28

Instrument :
 MSVOA_X
 ClientSampleId :
 S32-0657MSD

Tot Ion:	97	Resp:	87053
Ion	Ratio	Lower	Upper
97	100		
83	88.9	68.9	103.3
85	57.0	43.8	65.6
99	64.0	48.2	72.2

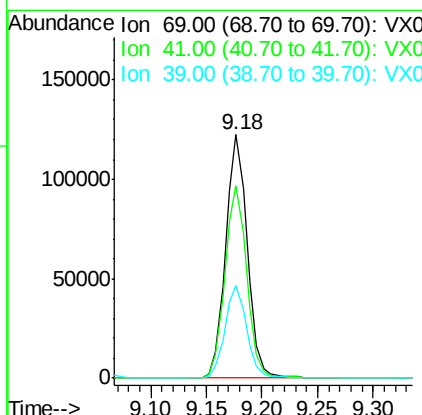
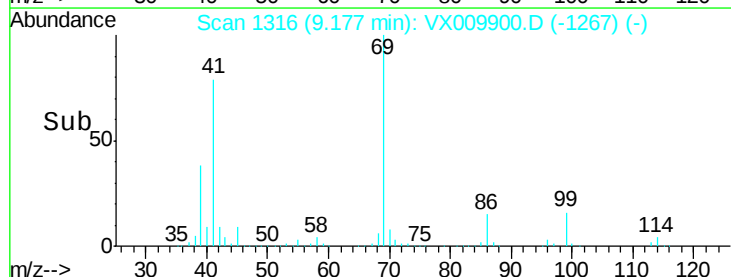
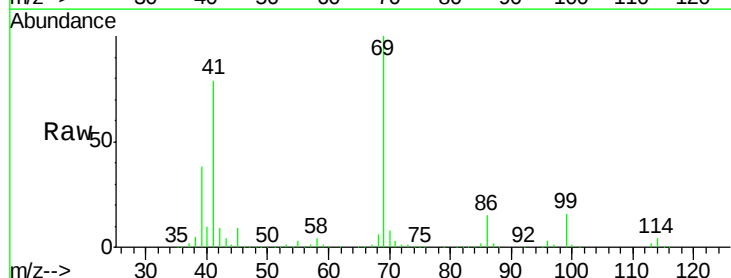
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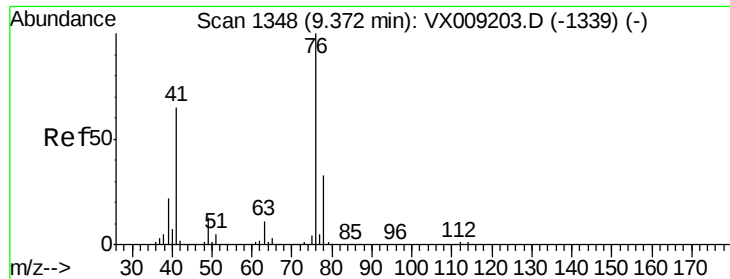
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#56
 Ethyl methacrylate
 Concen: 47.561 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX009900.D
 Acq: 24 May 2019 20:28

Tgt Ion:	69	Resp:	164815
Ion	Ratio	Lower	Upper
69	100		
41	79.6	60.6	90.8
39	38.0	28.2	42.4





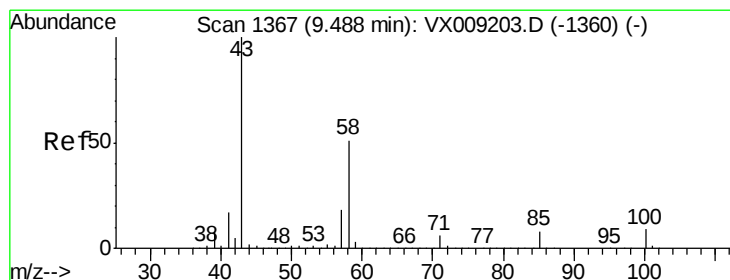
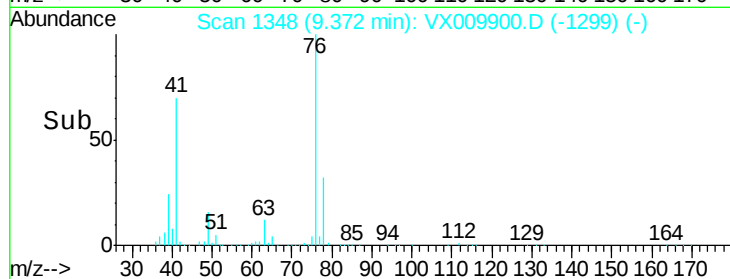
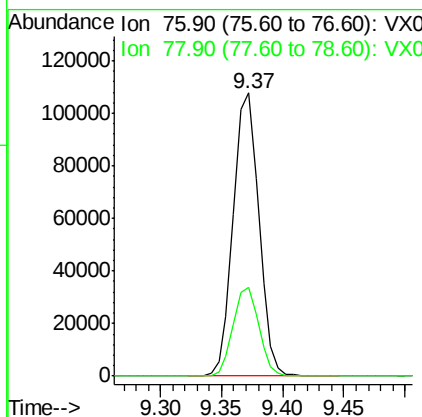
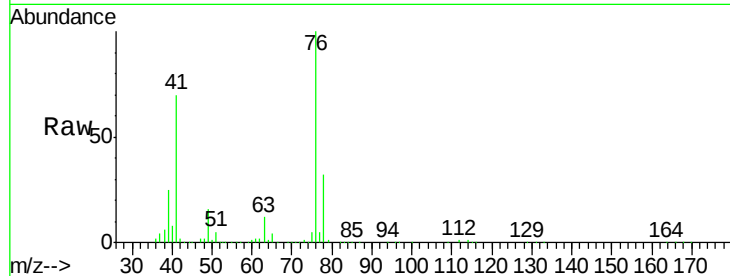
#57
 1,3-Dichloropropane
 Concen: 45.699 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX009900.D
 Acq: 24 May 2019 20:28

Instrument :
 MSVOA_X
 ClientSampleId :
 S32-0657MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.5	38.3

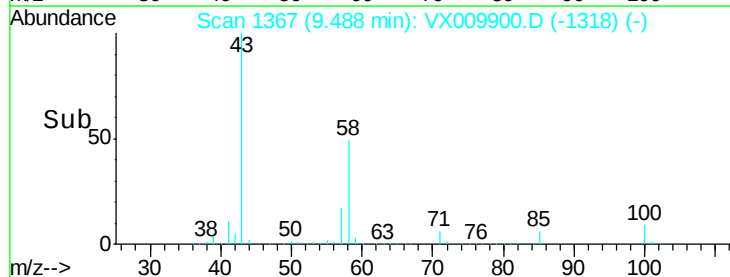
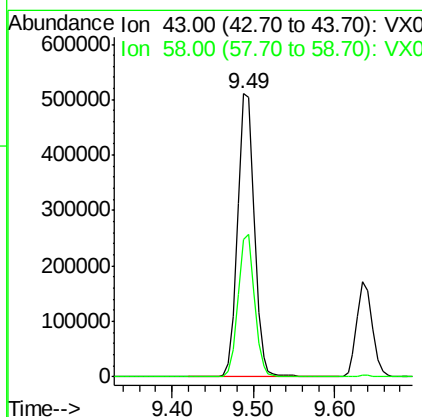
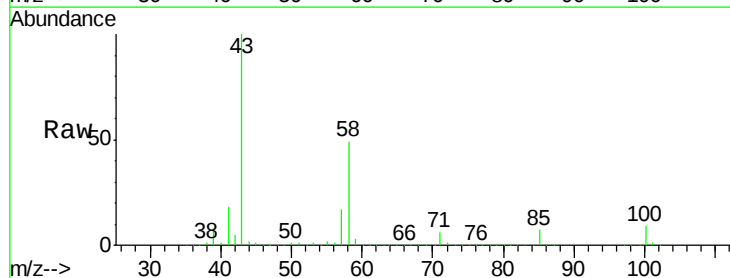
Manual Integrations
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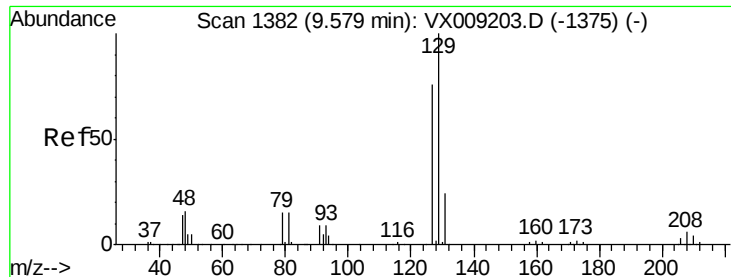
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#59
 2-Hexanone
 Concen: 246.684 ug/l
 RT: 9.49 min Scan# 1367
 Delta R.T. 0.00 min
 Lab File: VX009900.D
 Acq: 24 May 2019 20:28

Tgt Ion	Ratio	Lower	Upper
43	100		
58	49.6	25.9	77.7





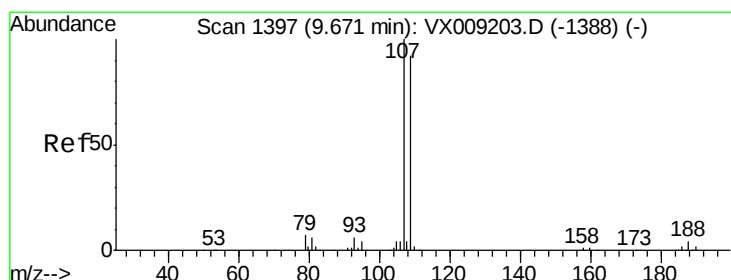
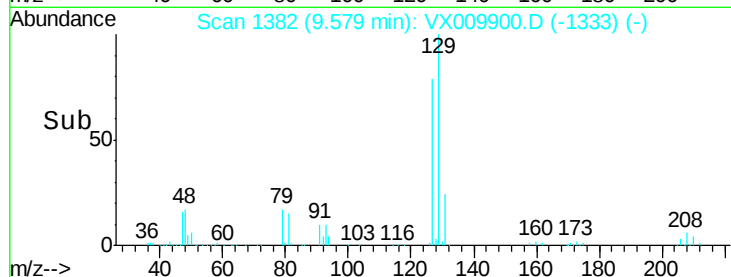
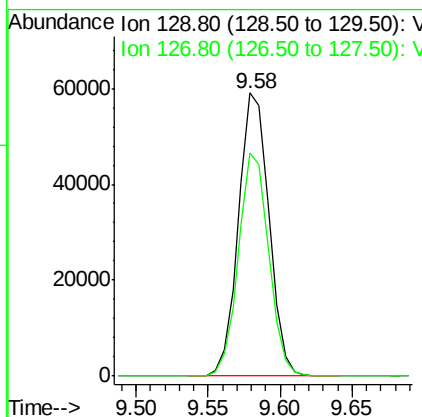
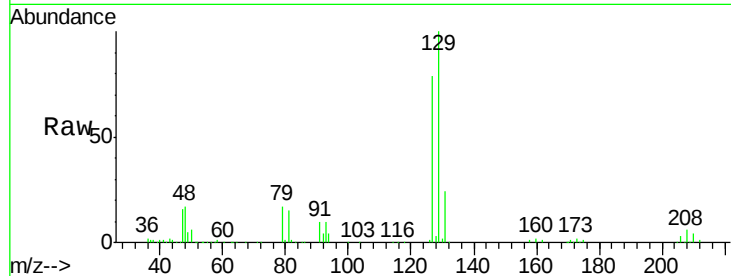
#60
Dibromochloromethane
Concen: 45.808 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX009900.D
Acq: 24 May 2019 20:28

Instrument :
MSVOA_X
ClientSampleId :
S32-0657MSD

Tot Ion:129 Resp: 86854
Ion Ratio Lower Upper
129 100
127 78.2 38.4 115.1

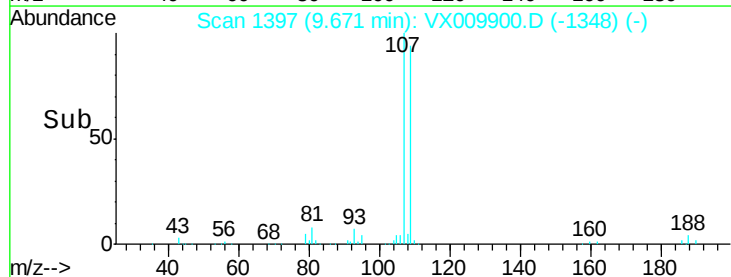
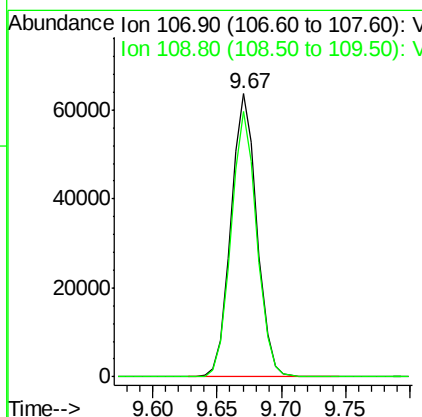
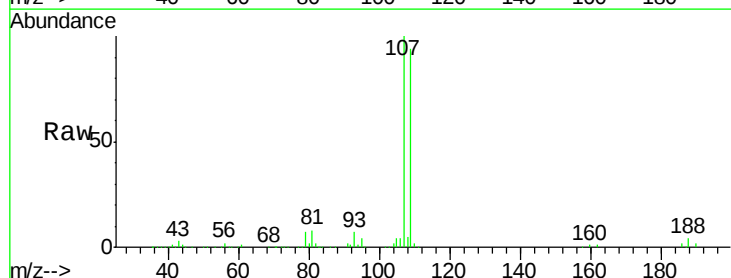
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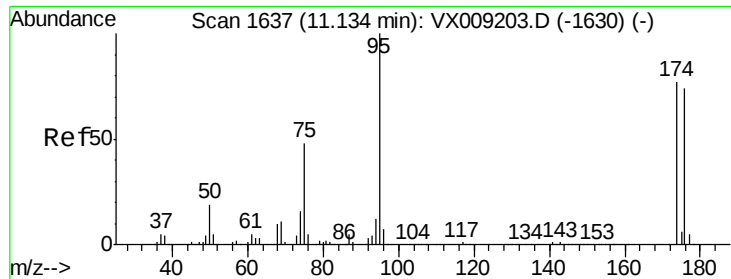
MMDadoda
5/28/2019 9:52:22 AM



#61
1,2-Dibromoethane
Concen: 45.751 ug/l
RT: 9.67 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VX009900.D
Acq: 24 May 2019 20:28

Tgt Ion:107 Resp: 89654
Ion Ratio Lower Upper
107 100
109 92.9 75.2 112.8





#62

4-Bromofluorobenzene

Concen: 47.091 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009900.D

Acq: 24 May 2019 20:28

Instrument :

MSVOA_X

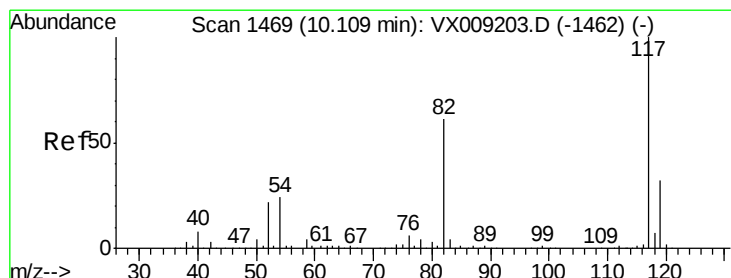
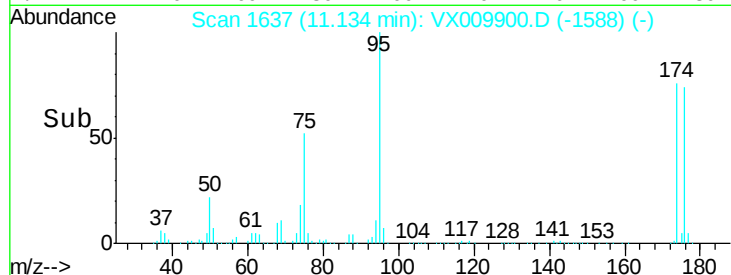
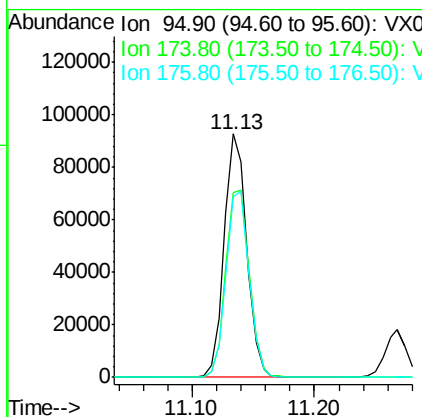
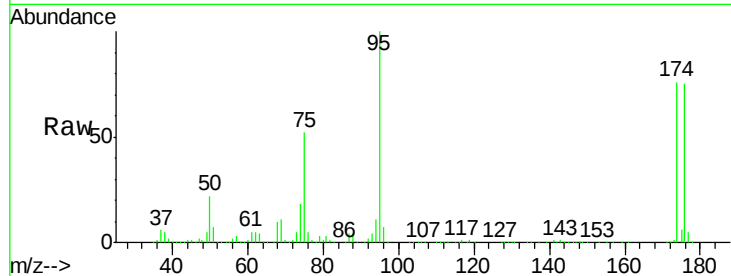
ClientSampleId :

S32-0657MSD

Tot Ion:	95	Resp:	118200
Ion Ratio	Lower	Upper	
95	100		
174	80.7	0.0	161.6
176	78.3	0.0	159.2

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

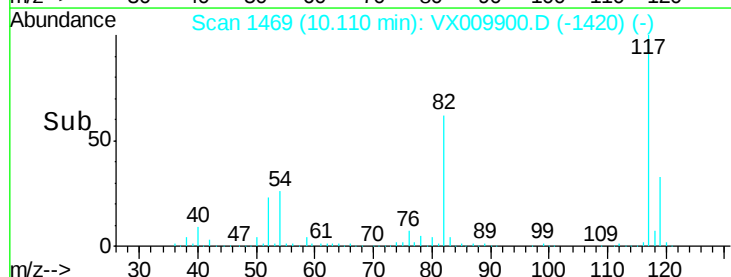
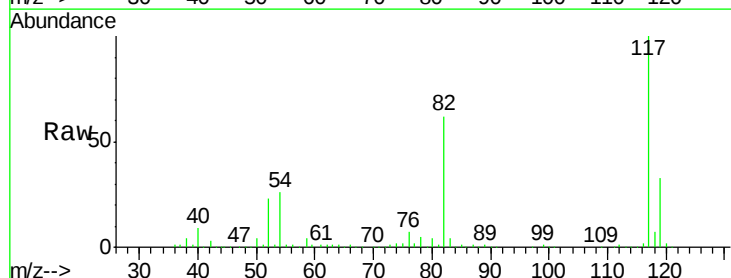
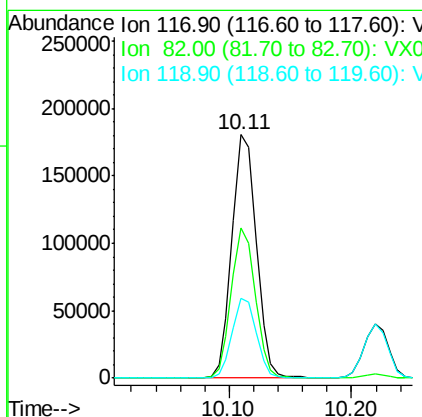
RT: 10.11 min Scan# 1469

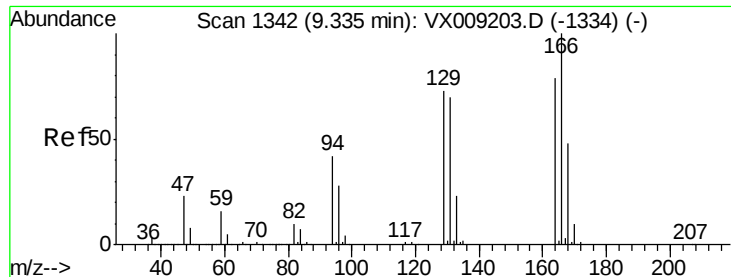
Delta R.T. 0.00 min

Lab File: VX009900.D

Acq: 24 May 2019 20:28

Tgt Ion:	117	Resp:	250441
Ion Ratio	Lower	Upper	
117	100		
82	61.7	48.8	73.2
119	32.7	25.8	38.6





#64

Tetrachloroethene

Concen: 40.722 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX009900.D

Acq: 24 May 2019 20:28

Instrument :

MSVOA_X

ClientSampleId :

S32-0657MSD

Tot Ion:164 Resp: 69957

Ion Ratio Lower Upper

164 100

166 127.4 101.2 151.8

129 93.0 74.3 111.5

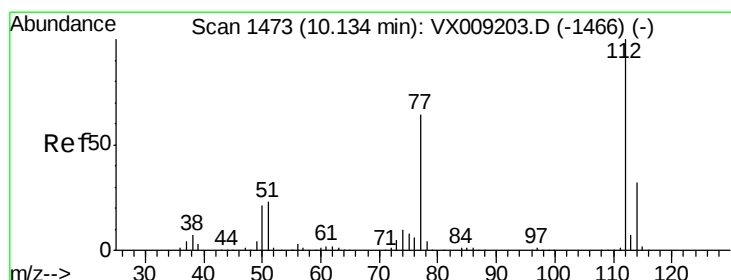
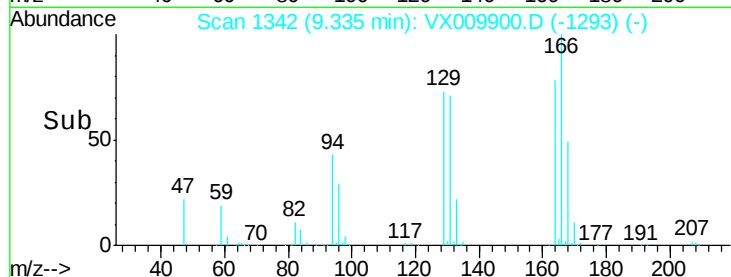
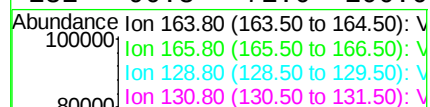
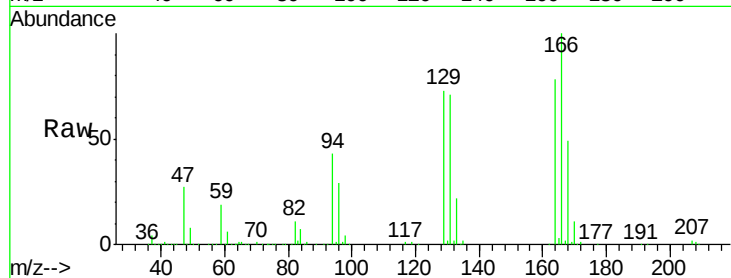
131 90.3 71.0 106.6

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#65

Chlorobenzene

Concen: 44.632 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VX009900.D

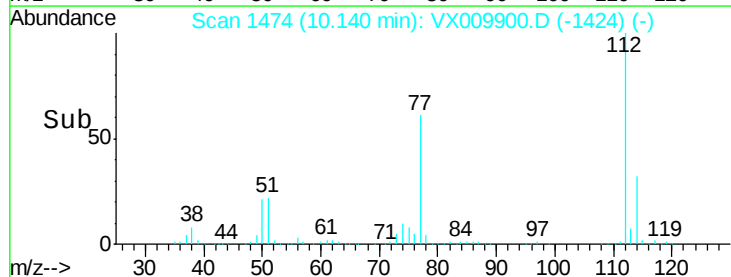
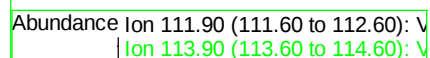
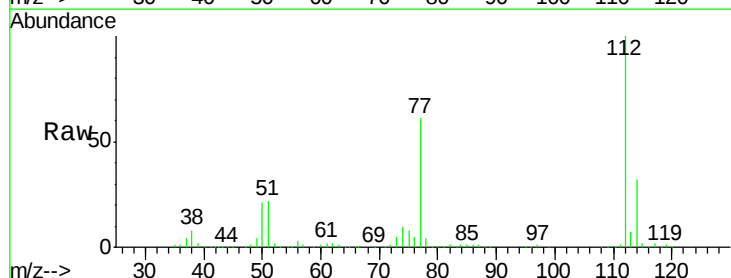
Acq: 24 May 2019 20:28

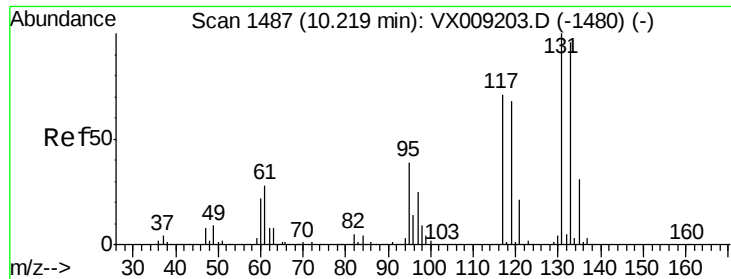
Tgt Ion:112 Resp: 223605

Ion Ratio Lower Upper

112 100

114 31.6 25.5 38.3





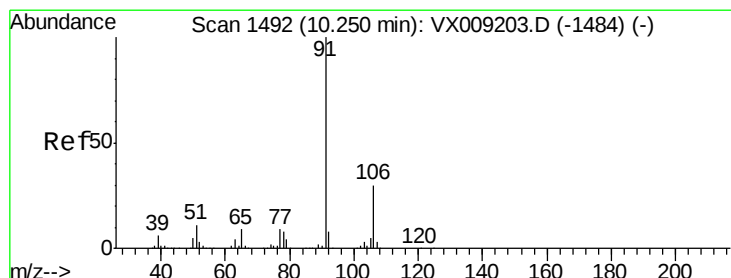
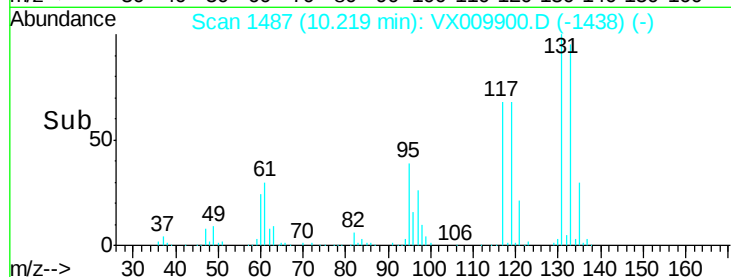
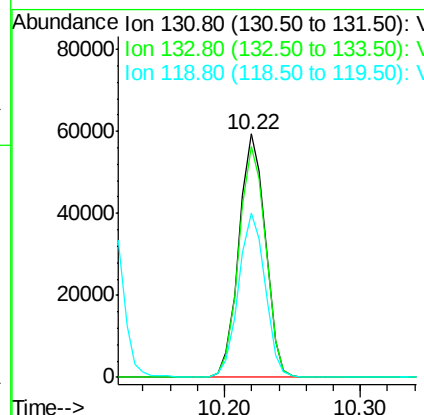
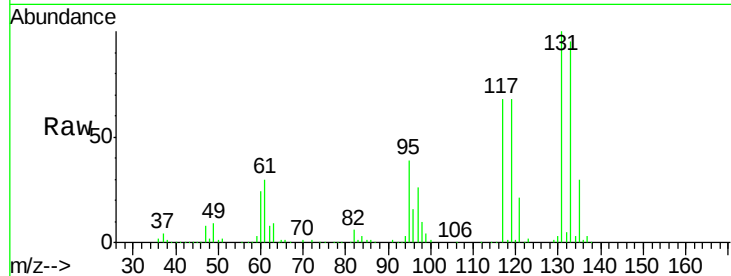
#66
 1,1,1,2-Tetrachloroethane
 Concen: 44.315 ug/l
 RT: 10.22 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VX009900.D
 Acq: 24 May 2019 20:28

Instrument :
 MSVOA_X
 ClientSampleId :
 S32-0657MSD

Tot Ion	Ratio	Lower	Upper
131	100		
133	96.1	47.7	143.1
119	67.8	33.5	100.4

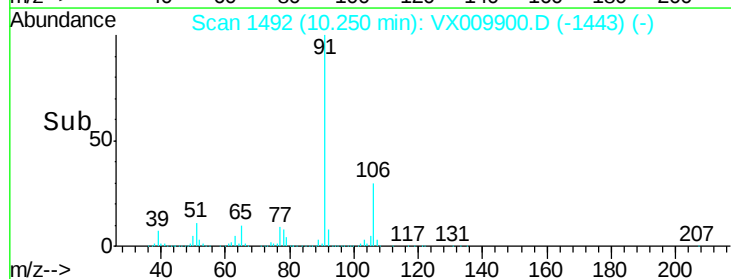
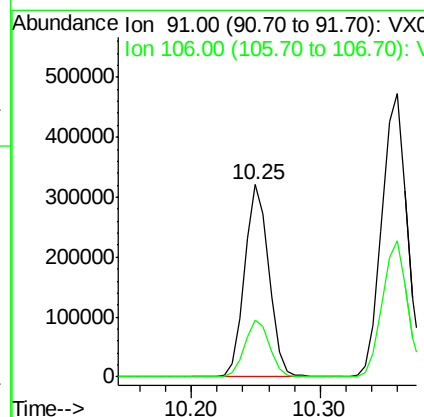
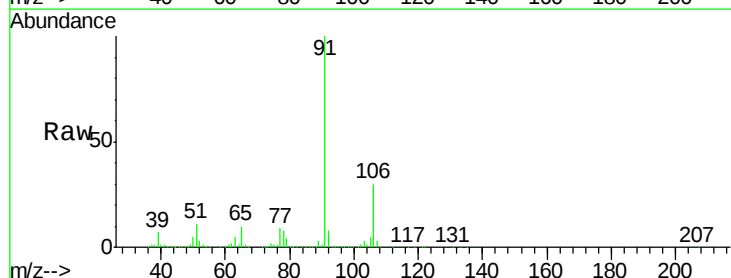
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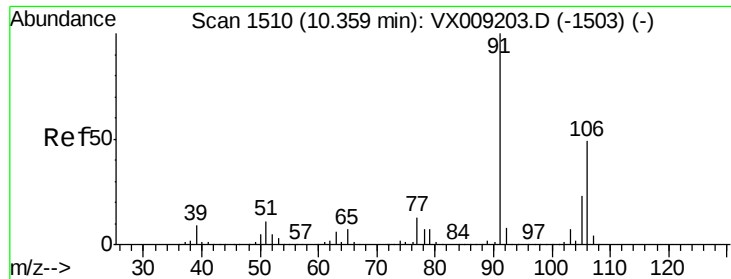
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#67
 Ethyl Benzene
 Concen: 45.475 ug/l
 RT: 10.25 min Scan# 1492
 Delta R.T. 0.00 min
 Lab File: VX009900.D
 Acq: 24 May 2019 20:28

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.7	24.0	36.0





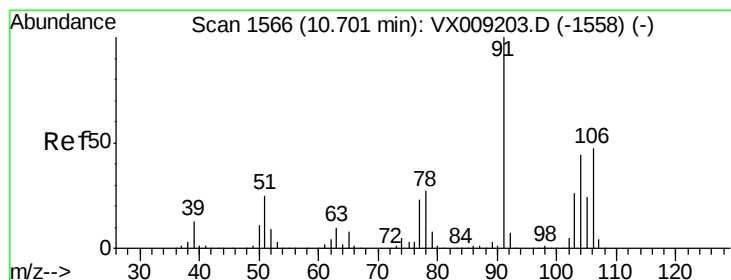
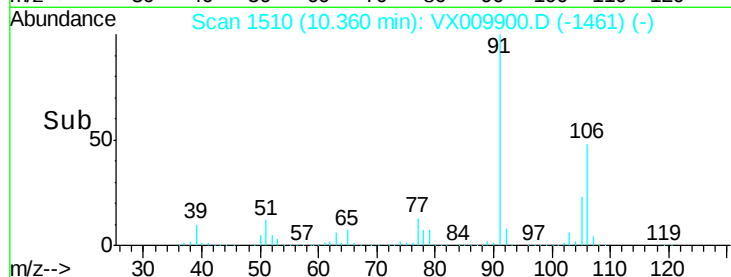
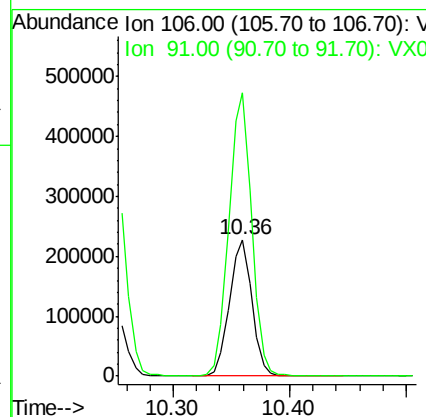
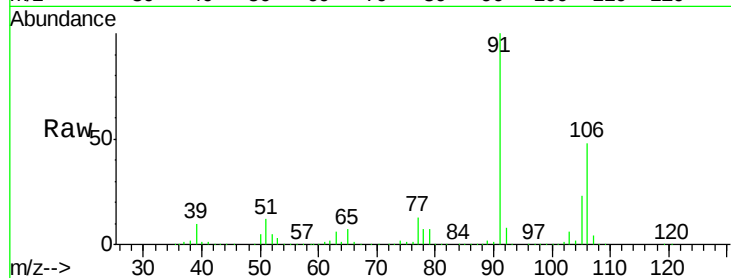
#68
m/p-Xylenes
Concen: 90.253 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX009900.D
Acq: 24 May 2019 20:28

Instrument :
MSVOA_X
ClientSampleId :
S32-0657MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		304094		
91	209.8	164.0	246.0		

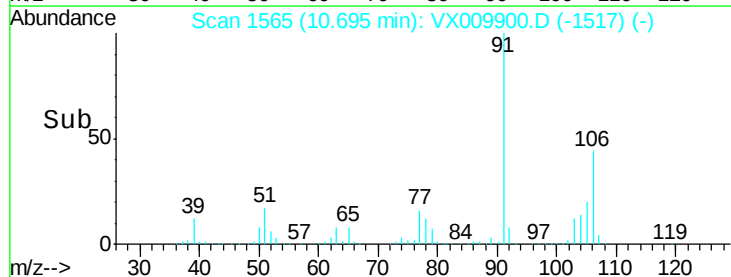
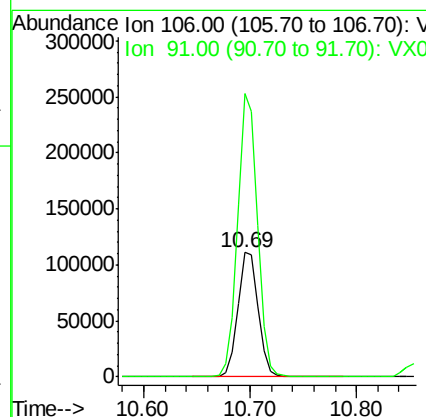
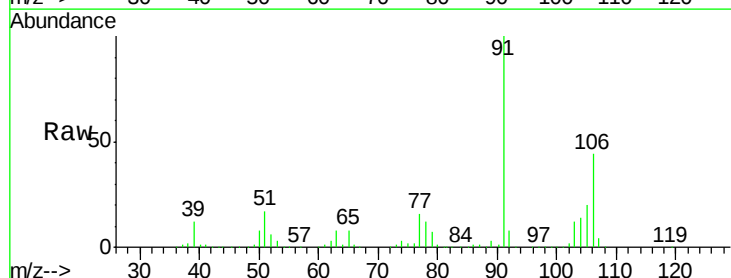
Manual Integrations
APPROVED

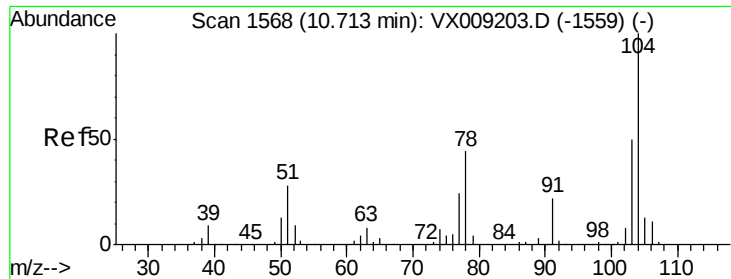
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#69
o-Xylene
Concen: 44.880 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009900.D
Acq: 24 May 2019 20:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		149197		
91	221.9	109.5	328.4		





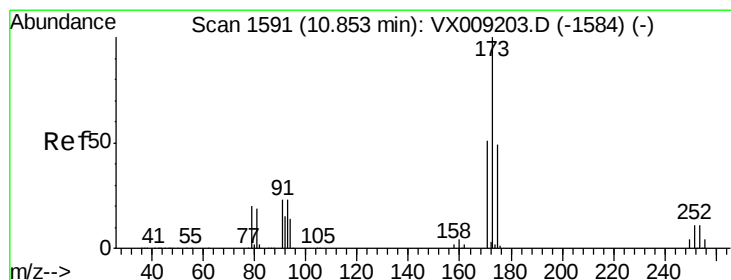
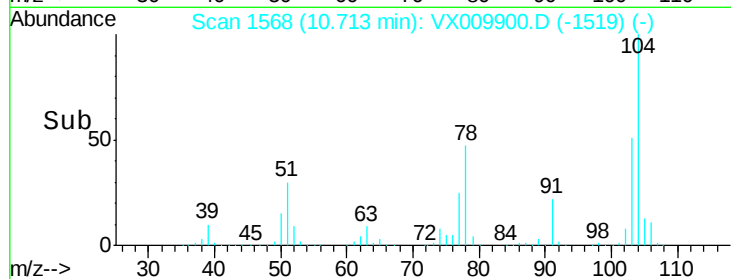
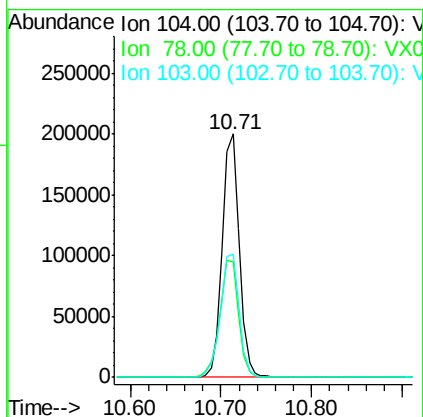
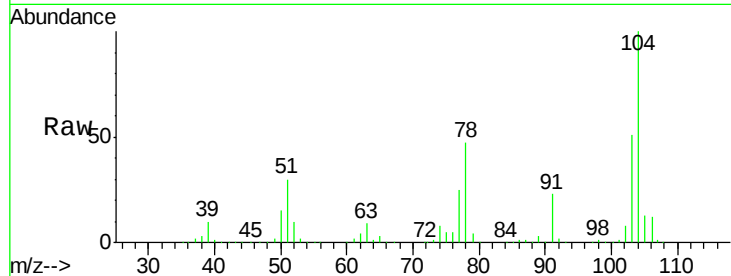
#70
Stvrene
Concen: 45.490 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX009900.D
Acq: 24 May 2019 20:28

Instrument :
MSVOA_X
ClientSampleId :
S32-0657MSD

Tot Ion	Ratio	Lower	Upper
104	100		
78	53.4	41.0	61.4
103	55.6	43.8	65.6

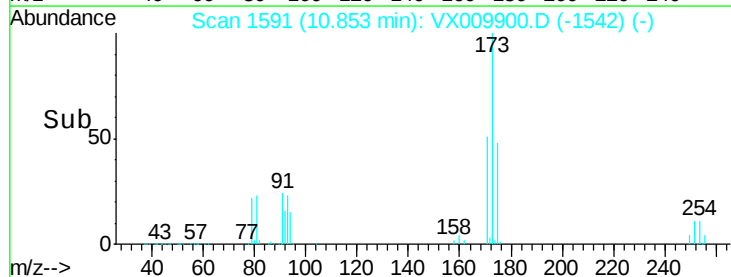
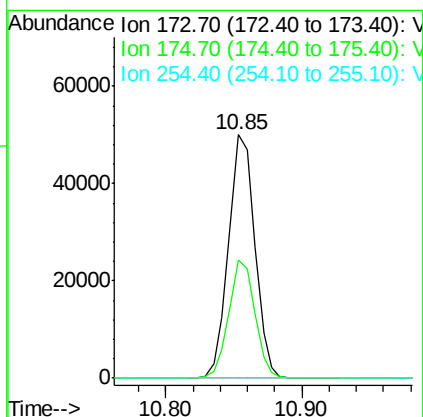
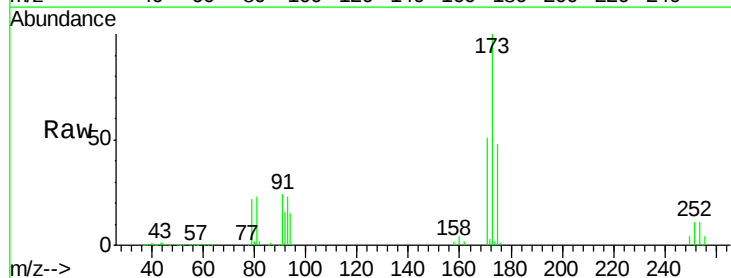
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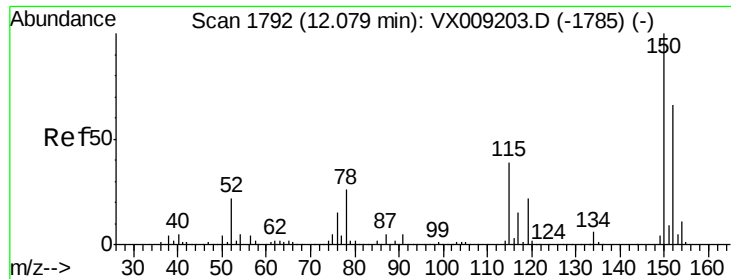
MMDadoda
5/28/2019 9:52:22 AM



#71
Bromoform
Concen: 45.845 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX009900.D
Acq: 24 May 2019 20:28

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.8	24.5	73.5
254	0.2	0.1	0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009900.D

Acq: 24 May 2019 20:28

Instrument :

MSVOA_X

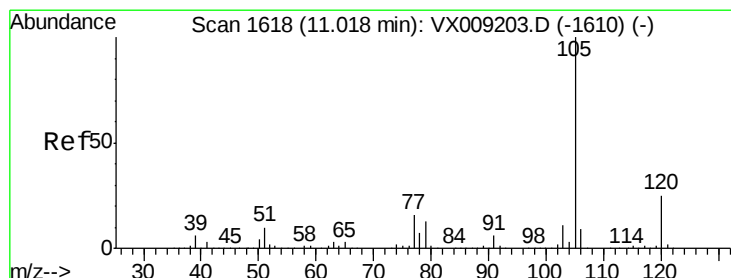
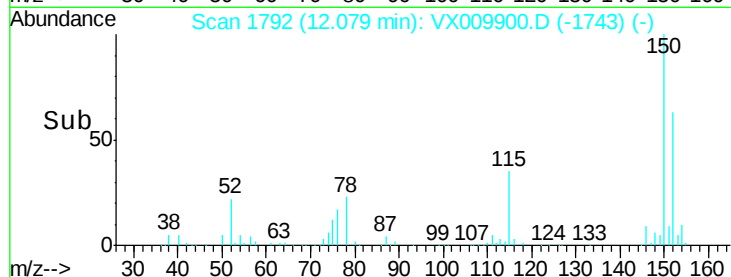
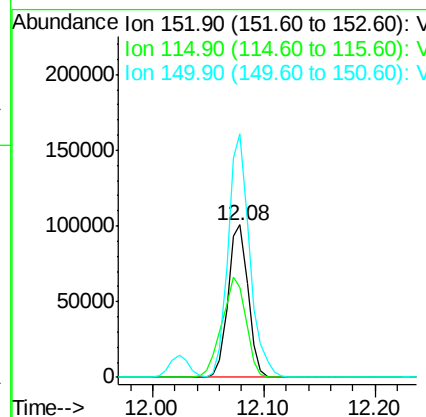
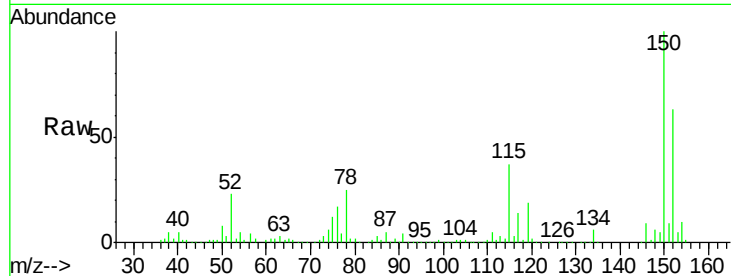
ClientSampleId :

S32-0657MSD

Tot Ion	Ratio	Resp	Lower	Upper
152	100	125084		
115	79.5	41.2	123.6	
150	170.5	0.0	346.4	

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#73

Isopropylbenzene

Concen: 43.648 ug/l

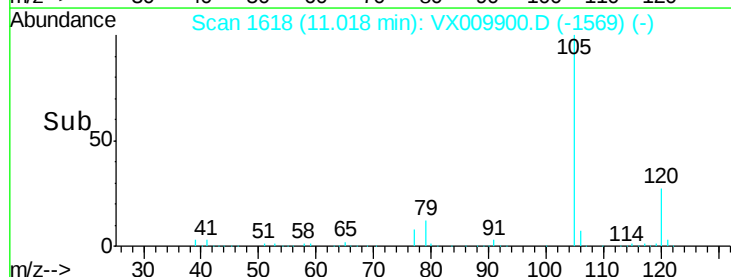
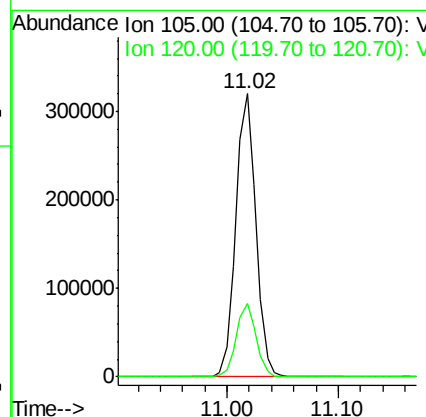
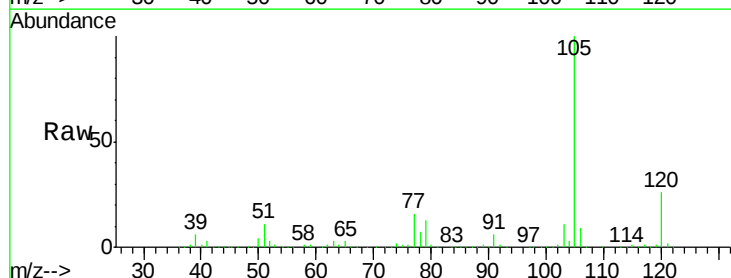
RT: 11.02 min Scan# 1618

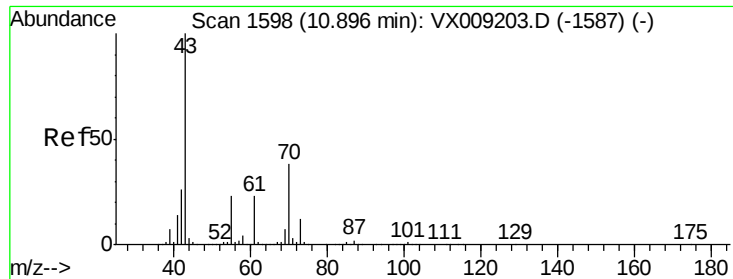
Delta R.T. 0.00 min

Lab File: VX009900.D

Acq: 24 May 2019 20:28

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	397018		
120	25.7	12.8	38.3	





#74

N-amvl acetate

Concen: 43.139 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX009900.D

Acq: 24 May 2019 20:28

Instrument :

MSVOA_X

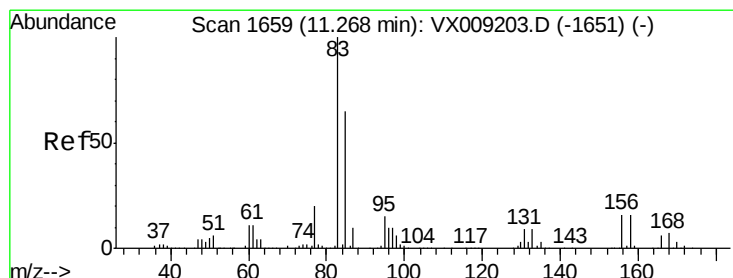
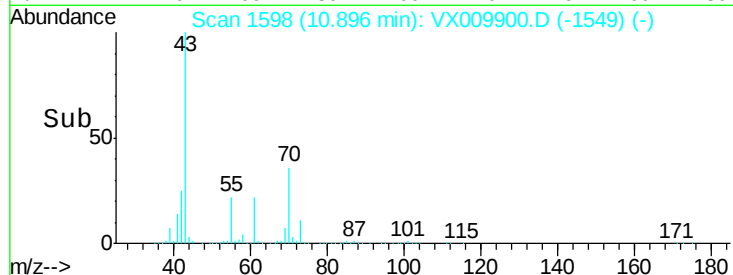
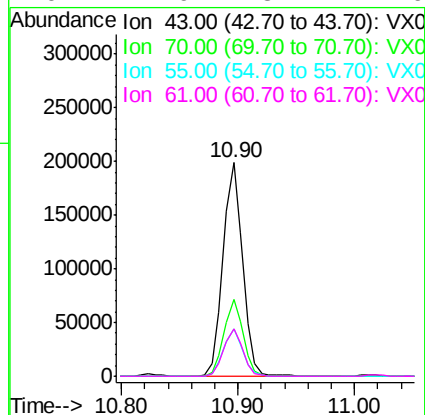
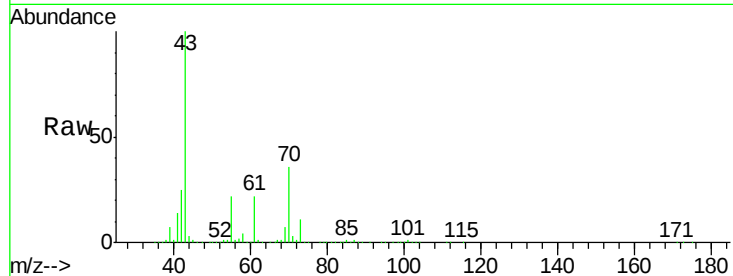
ClientSampleId :

S32-0657MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		228769		
70	35.5	30.0	45.0		
55	22.0	17.9	26.9		
61	21.9	18.4	27.6		

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#75

1,1,2,2-Tetrachloroethane

Concen: 44.567 ug/l

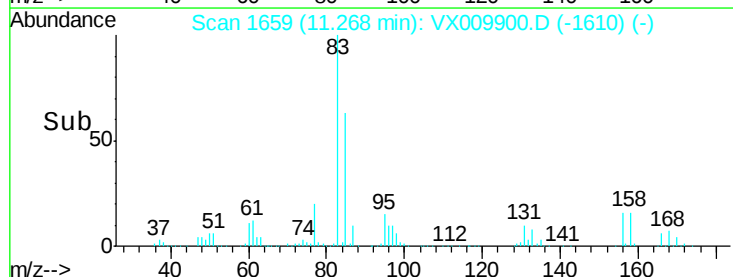
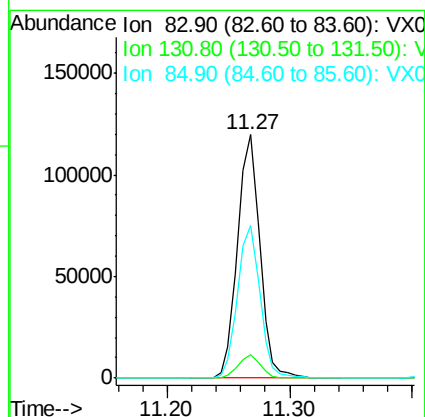
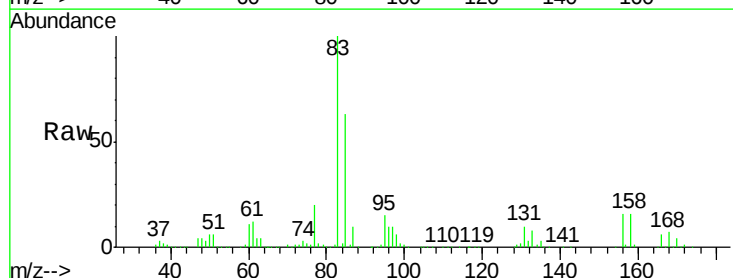
RT: 11.27 min Scan# 1659

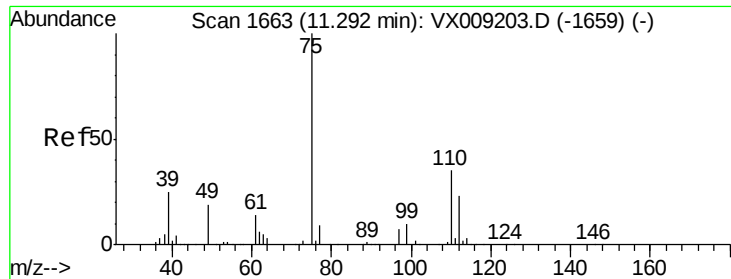
Delta R.T. 0.00 min

Lab File: VX009900.D

Acq: 24 May 2019 20:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		151119		
131	9.5	4.6	13.8		
85	63.2	32.0	96.2		





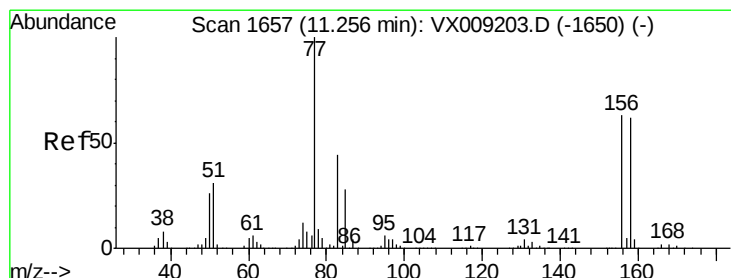
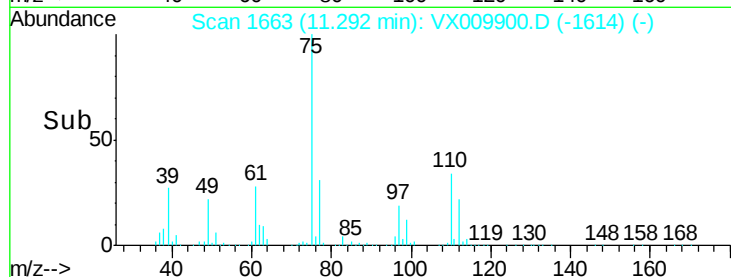
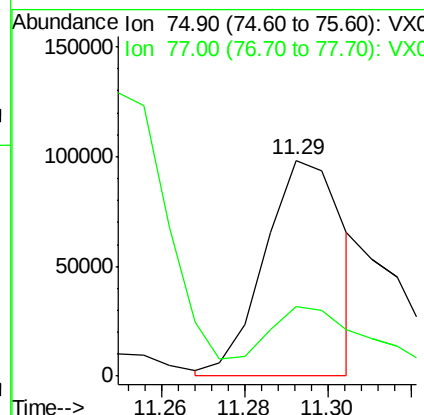
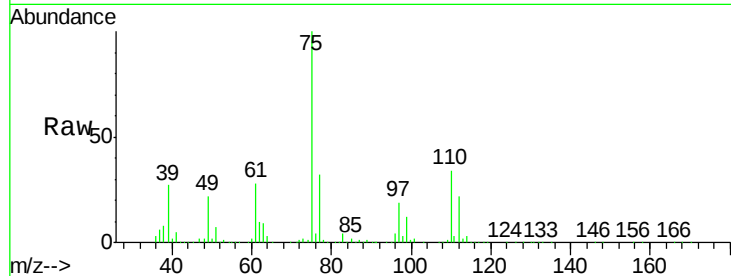
#76
 1,2,3-Trichloropropane
 Concen: 44.414 ug/l m
 RT: 11.29 min Scan# 1663
 Delta R.T. 0.00 min
 Lab File: VX009900.D
 Acq: 24 May 2019 20:28

Instrument :
 MSVOA_X
 ClientSampleId :
 S32-0657MSD

Tot Ion: 75 Resp: 128868
 Ion Ratio Lower Upper
 75 100
 77 43.4 22.1 66.1

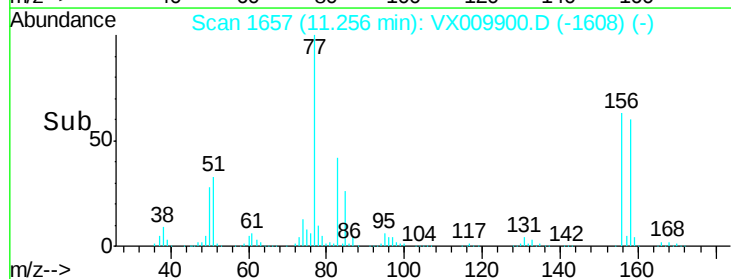
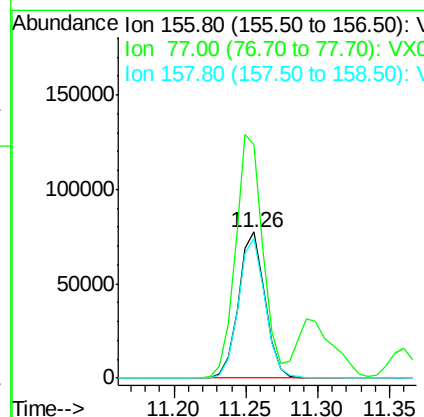
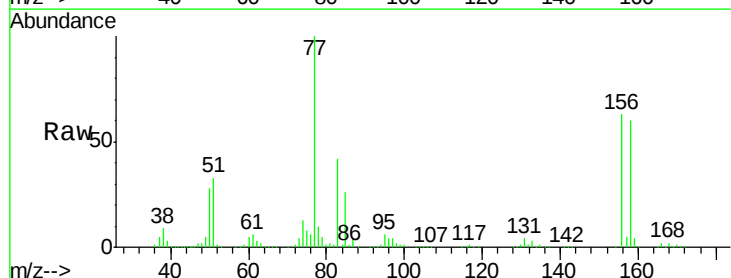
Manual Integrations
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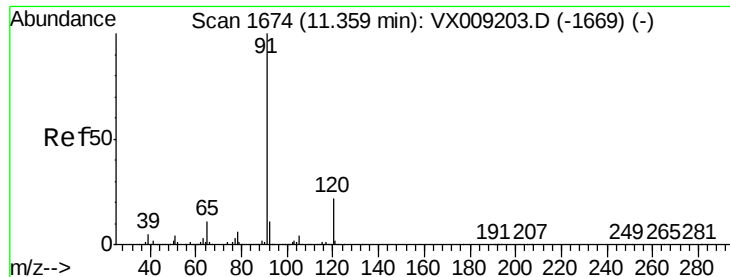
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 5/28/2019 9:52:22 AM



#77
 Bromobenzene
 Concen: 43.911 ug/l
 RT: 11.26 min Scan# 1657
 Delta R.T. 0.00 min
 Lab File: VX009900.D
 Acq: 24 May 2019 20:28

Tgt Ion: 156 Resp: 99136
 Ion Ratio Lower Upper
 156 100
 77 171.8 84.8 254.3
 158 96.8 49.1 147.3





#78

n-propylbenzene

Concen: 44.464 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX009900.D

Acq: 24 May 2019 20:28

Instrument :

MSVOA_X

ClientSampleId :

S32-0657MSD

Tot Ion: 91 Resp: 461896

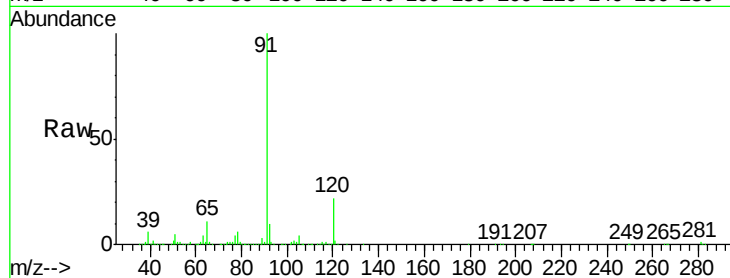
Ion Ratio Lower Upper

91 100

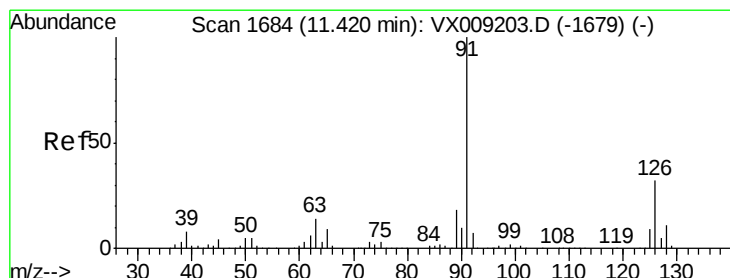
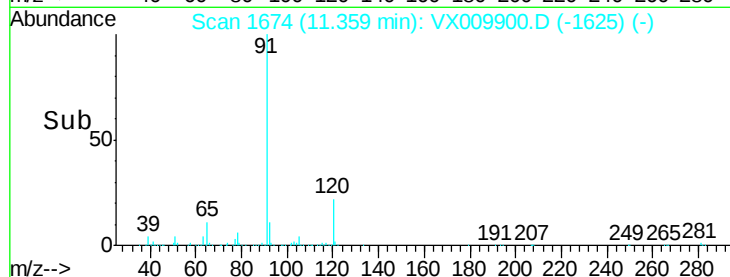
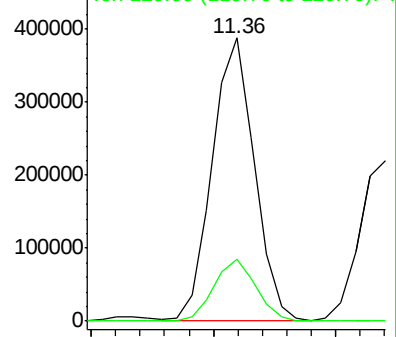
120 22.0 11.0 33.0

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Abundance Ion 91.00 (90.70 to 91.70): VX009203.D (-1669) (-)



#79

2-Chlorotoluene

Concen: 43.273 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX009900.D

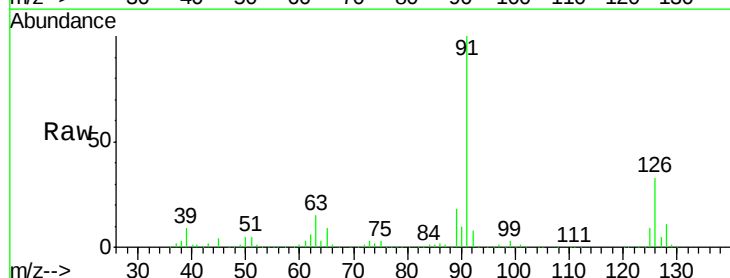
Acq: 24 May 2019 20:28

Tgt Ion: 91 Resp: 277332

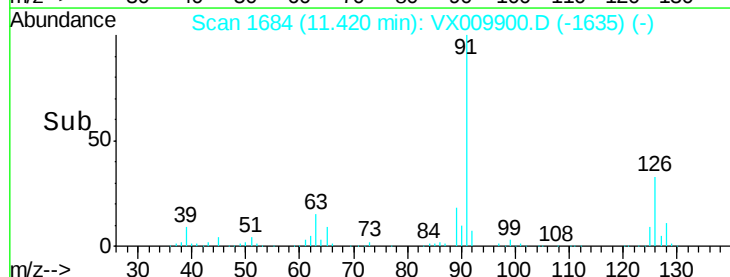
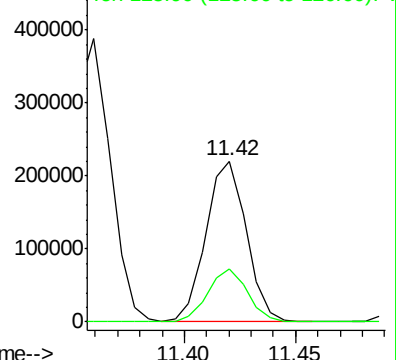
Ion Ratio Lower Upper

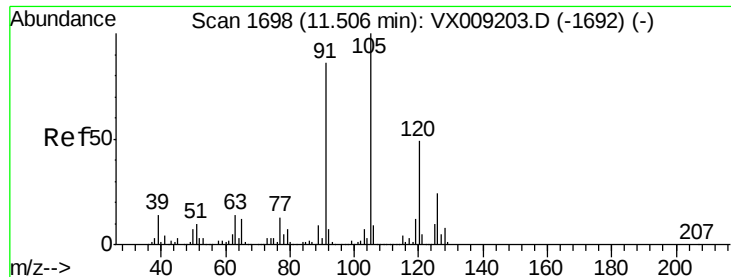
91 100

126 32.7 16.3 48.9



Abundance Ion 91.00 (90.70 to 91.70): VX009203.D (-1679) (-)





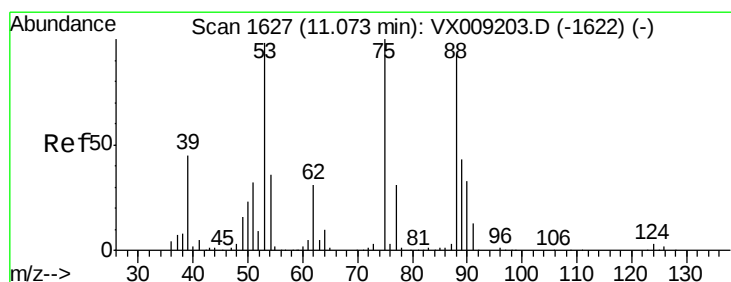
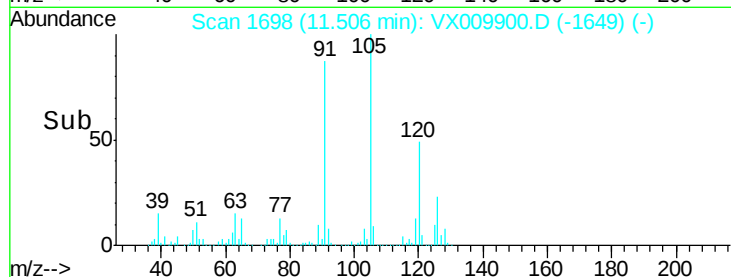
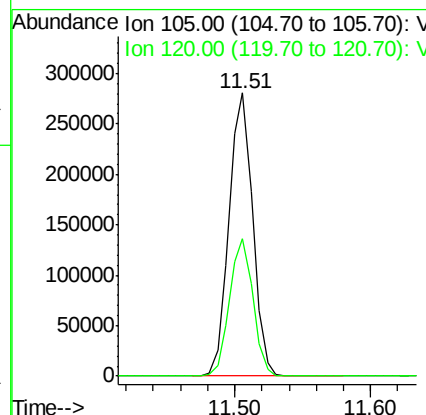
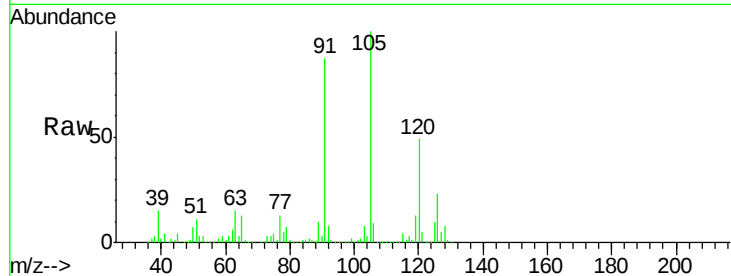
#80
 1,3,5-Trimethylbenzene
 Concen: 44.109 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX009900.D
 Acq: 24 May 2019 20:28

Instrument :
 MSVOA_X
 ClientSampleId :
 S32-0657MSD

Tot Ion	Ratio	Lower	Upper
105	100		
120	48.3	24.3	72.9

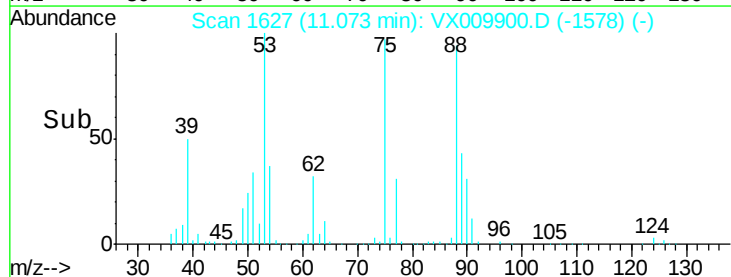
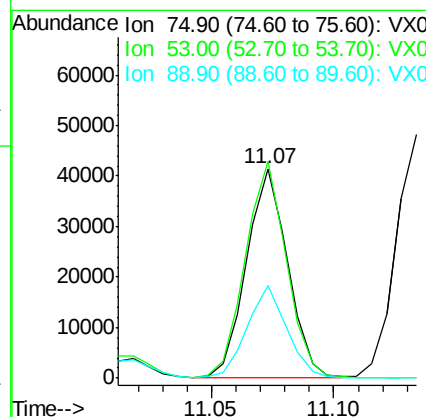
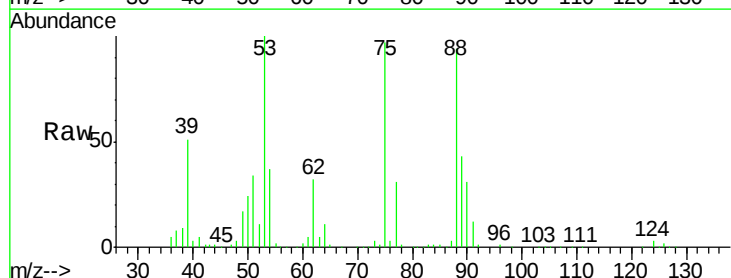
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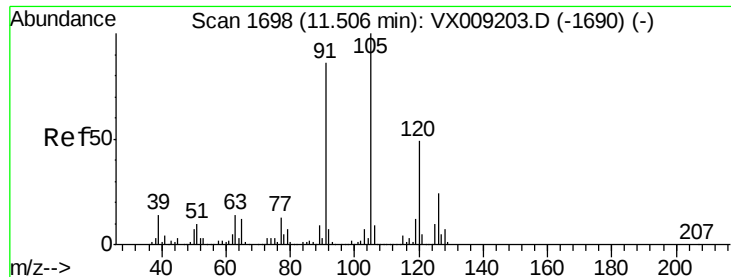
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#81
 trans-1,4-Dichloro-2-butene
 Concen: 42.588 ug/l
 RT: 11.07 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VX009900.D
 Acq: 24 May 2019 20:28

Tgt Ion	Ratio	Lower	Upper
75	100		
53	103.4	79.0	118.6
89	42.9	34.7	52.1





#82

4-Chlorotoluene

Concen: 44.417 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.01 min

Lab File: VX009900.D

Acq: 24 May 2019 20:28

Instrument :

MSVOA_X

ClientSampled :

S32-0657MSD

Tot Ion: 91 Resp: 321592

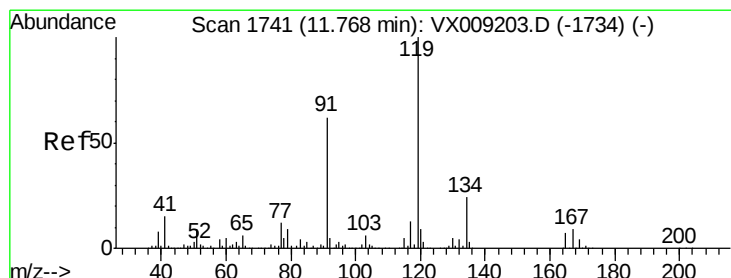
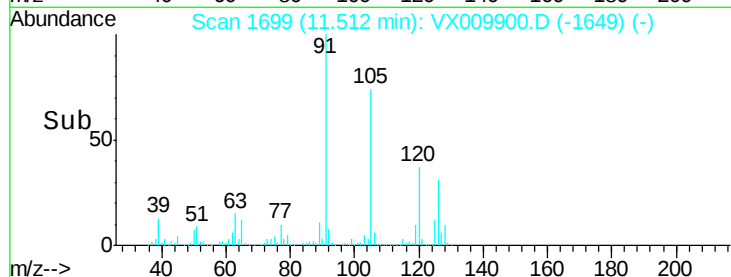
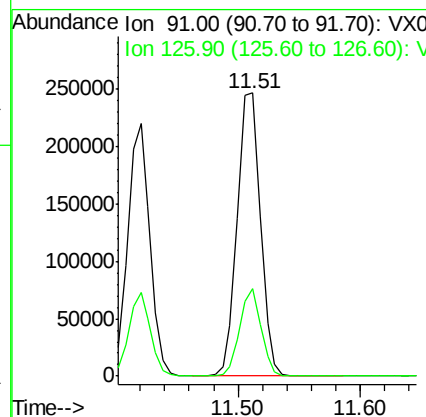
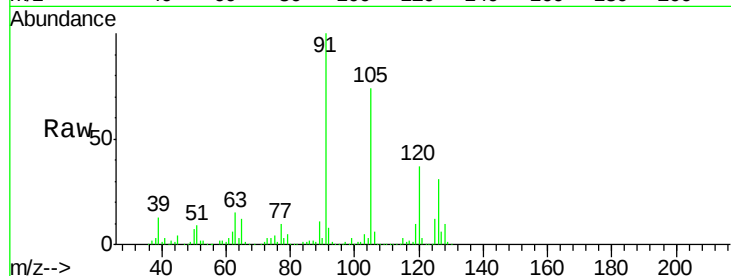
Ion Ratio Lower Upper

91 100

126 28.5 14.5 43.6

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#83

tert-Butylbenzene

Concen: 44.035 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX009900.D

Acq: 24 May 2019 20:28

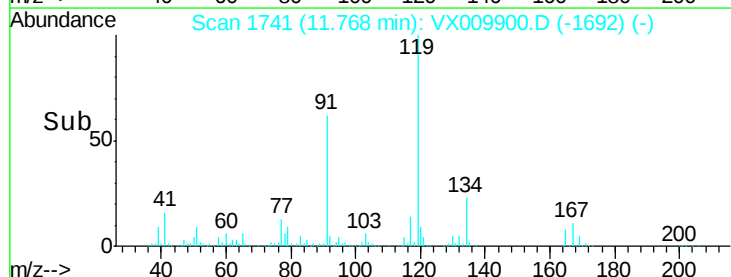
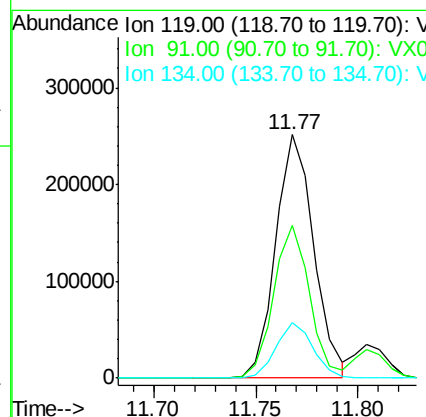
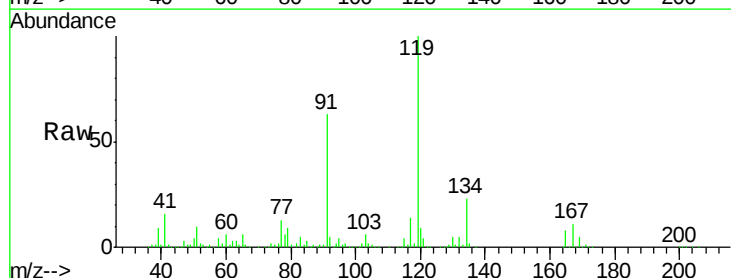
Tgt Ion: 119 Resp: 328081

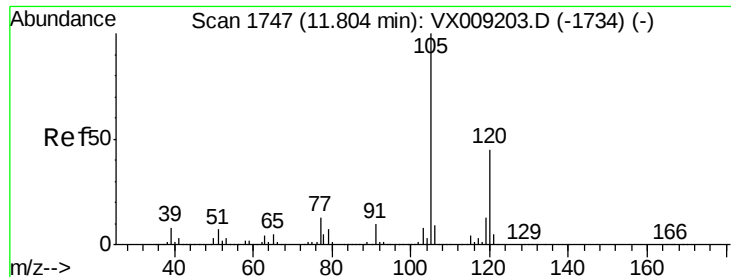
Ion Ratio Lower Upper

119 100

91 59.3 29.5 88.5

134 22.1 11.4 34.1





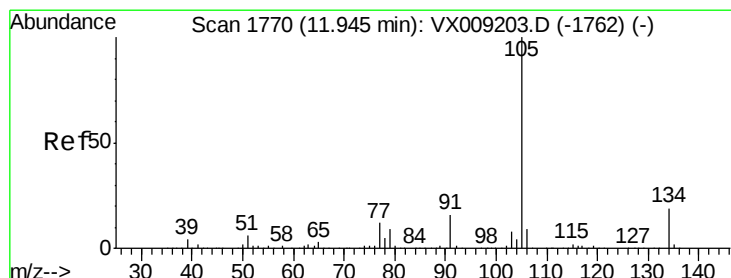
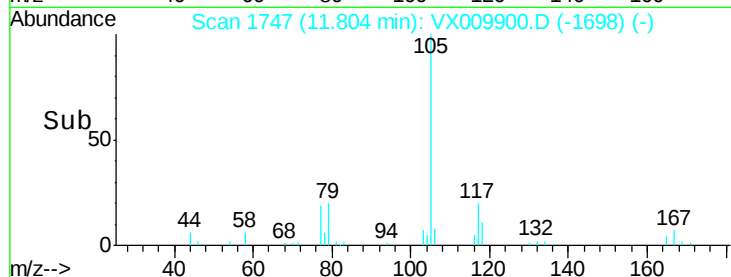
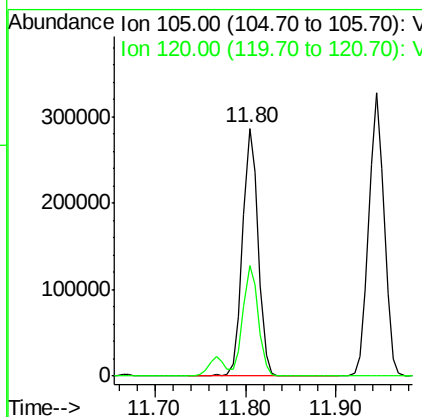
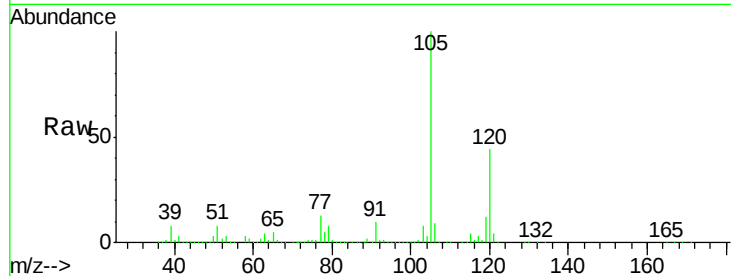
#84
1,2,4-Trimethylbenzene
Concen: 44.372 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX009900.D
Acq: 24 May 2019 20:28

Instrument :
MSVOA_X
ClientSampleId :
S32-0657MSD

Tot Ion	Ratio	Lower	Upper
105	100		
120	43.5	22.0	66.0

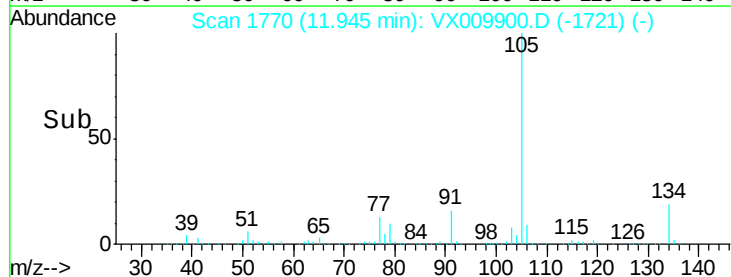
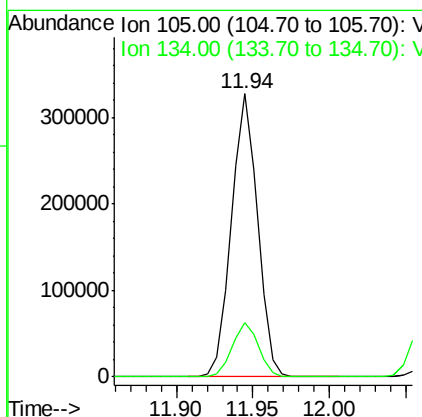
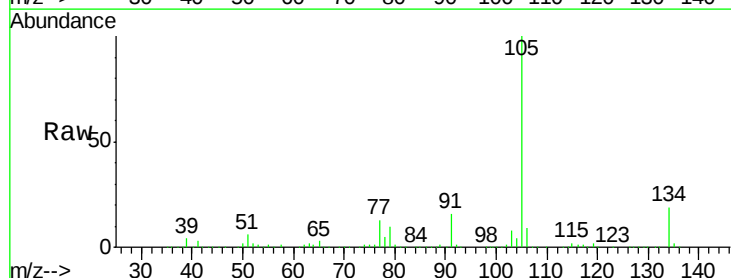
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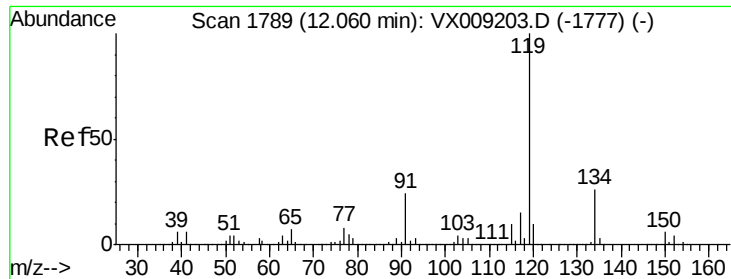
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#85
sec-Butylbenzene
Concen: 43.921 ug/l
RT: 11.94 min Scan# 1770
Delta R.T. 0.00 min
Lab File: VX009900.D
Acq: 24 May 2019 20:28

Tgt Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.7	28.9





#86

p-Isopropyltoluene

Concen: 44.453 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX009900.D

Acq: 24 May 2019 20:28

Instrument :

MSVOA_X

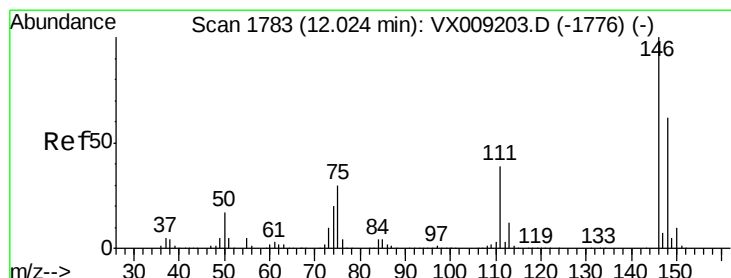
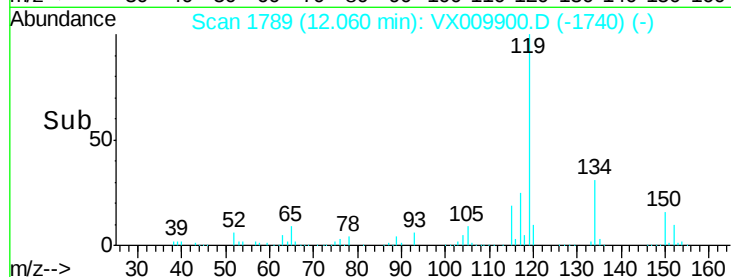
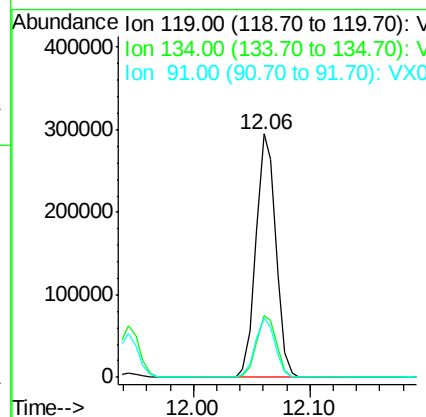
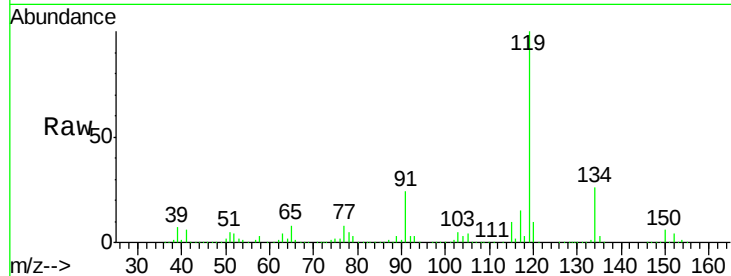
ClientSampleId :

S32-0657MSD

Tot Ion:	119	Resp:	352998
Ion Ratio	Lower	Upper	
119	100		
134	25.8	12.9	38.7
91	24.1	11.8	35.4

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#87

1,3-Dichlorobenzene

Concen: 43.611 ug/l

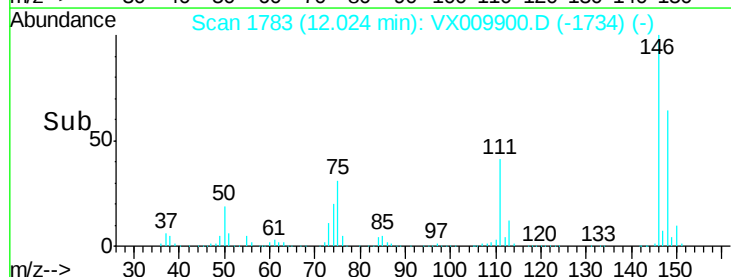
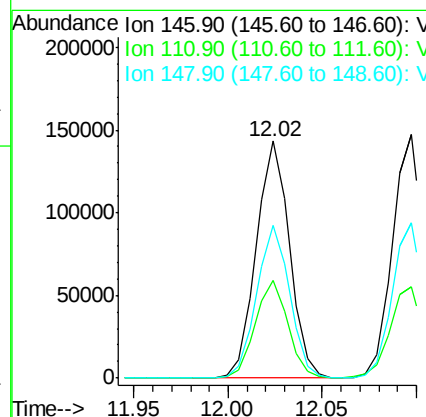
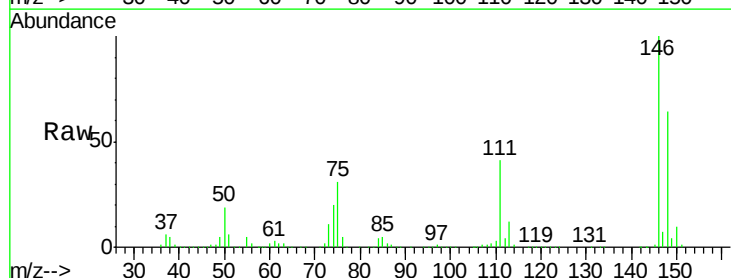
RT: 12.02 min Scan# 1783

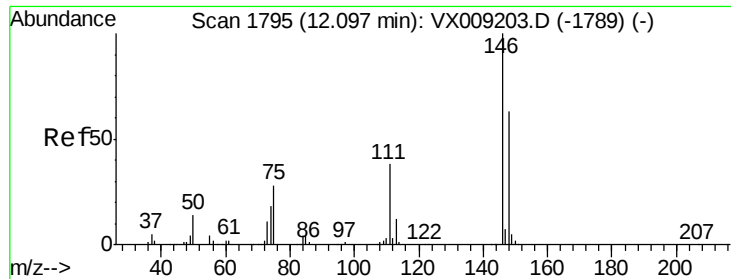
Delta R.T. 0.00 min

Lab File: VX009900.D

Acq: 24 May 2019 20:28

Tgt Ion:	146	Resp:	175519
Ion Ratio	Lower	Upper	
146	100		
111	40.6	20.0	59.9
148	63.9	31.8	95.3





#88

1,4-Dichlorobenzene

Concen: 43.574 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX009900.D

Acq: 24 May 2019 20:28

Instrument :

MSVOA_X

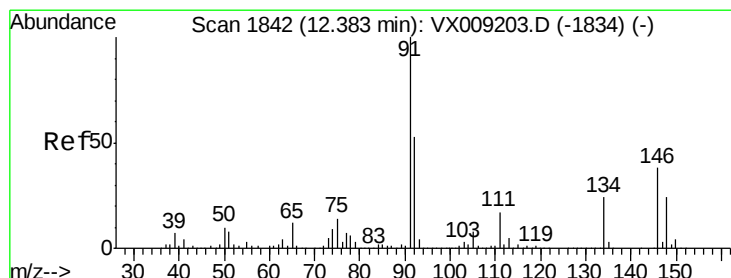
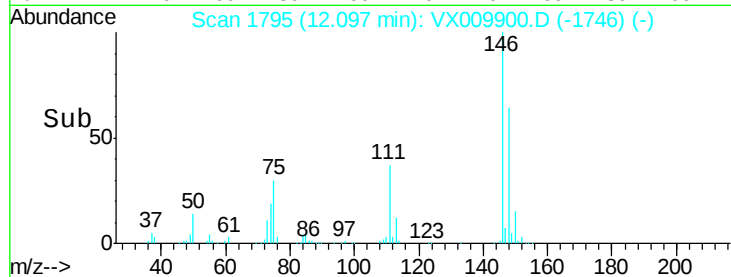
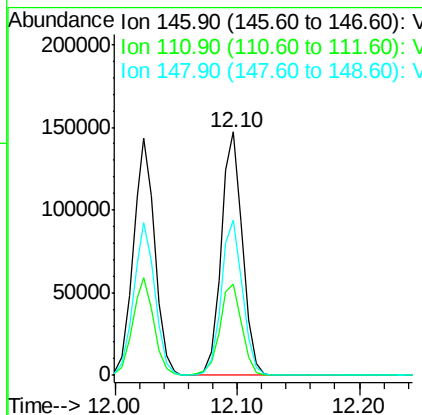
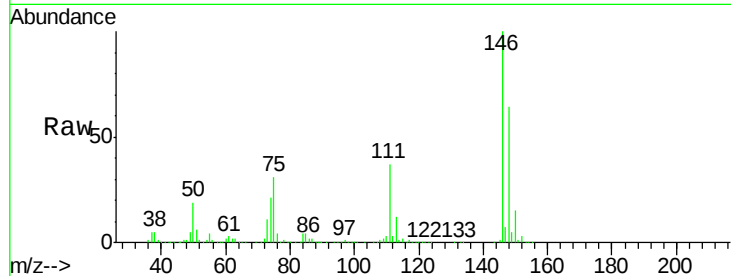
ClientSampleId :

S32-0657MSD

Tot Ion:	146	Resp:	176808
Ion Ratio	Lower	Upper	
146	100		
111	39.1	19.6	58.8
148	64.1	31.8	95.3

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#89

n-Butylbenzene

Concen: 45.508 ug/l

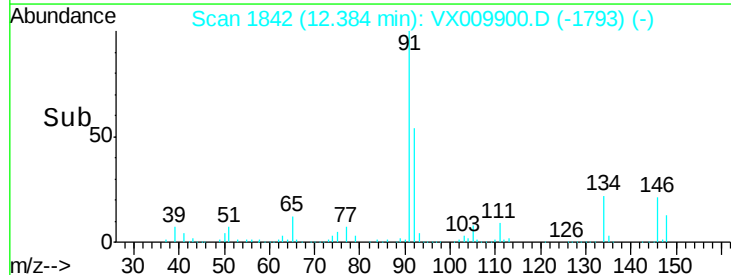
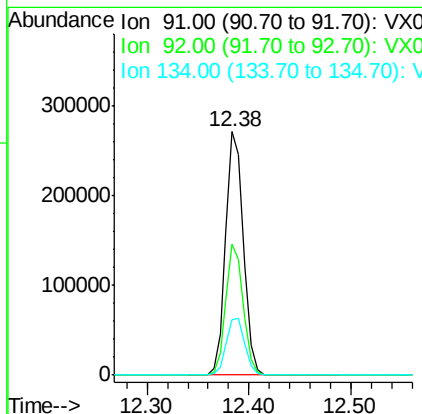
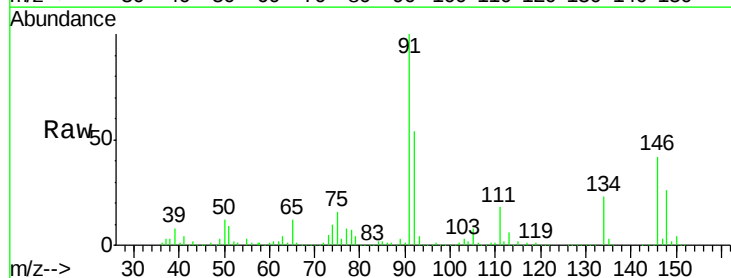
RT: 12.38 min Scan# 1842

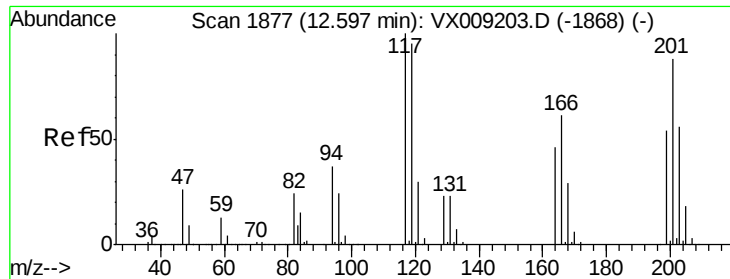
Delta R.T. 0.00 min

Lab File: VX009900.D

Acq: 24 May 2019 20:28

Tgt Ion:	91	Resp:	326620
Ion Ratio	Lower	Upper	
91	100		
92	53.0	26.5	79.5
134	24.3	12.4	37.2





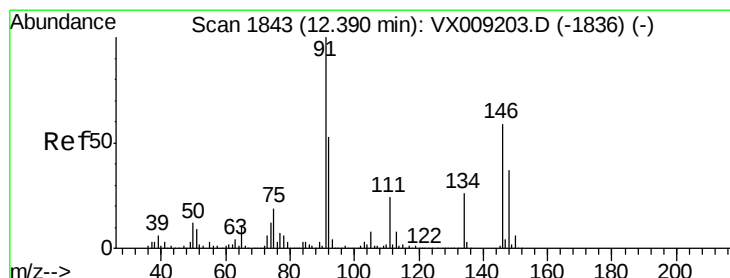
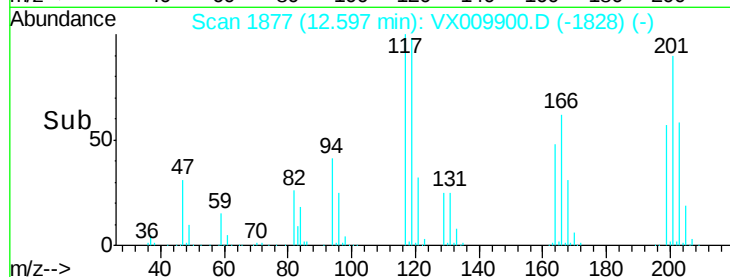
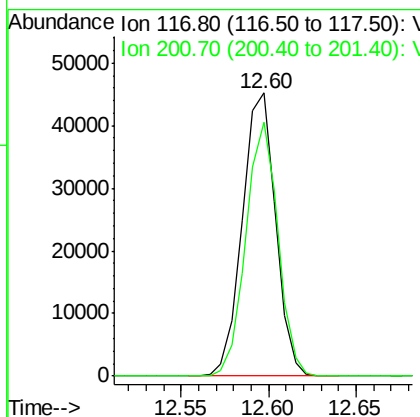
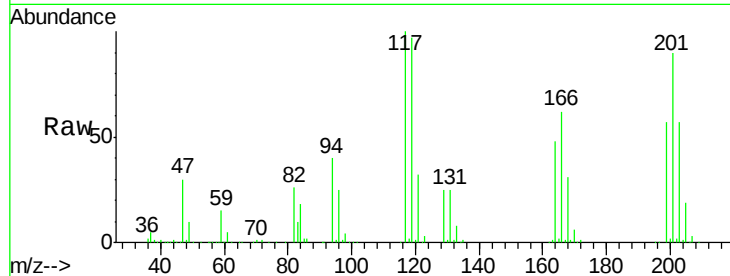
#90
Hexachloroethane
Concen: 44.224 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX009900.D
Acq: 24 May 2019 20:28

Instrument :
MSVOA_X
ClientSampleId :
S32-0657MSD

Tot Ion:117 Resp: 59829
Ion Ratio Lower Upper
117 100
201 86.4 42.3 126.9

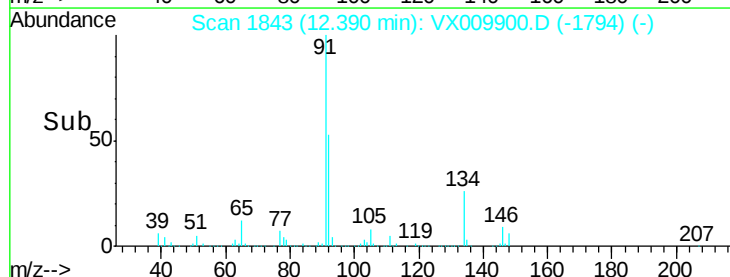
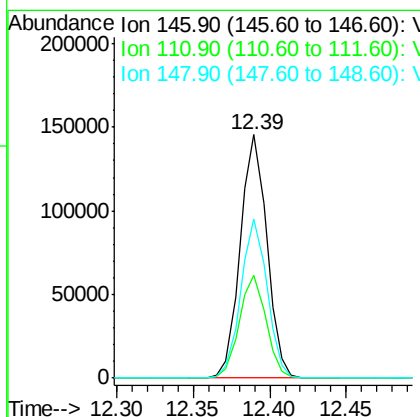
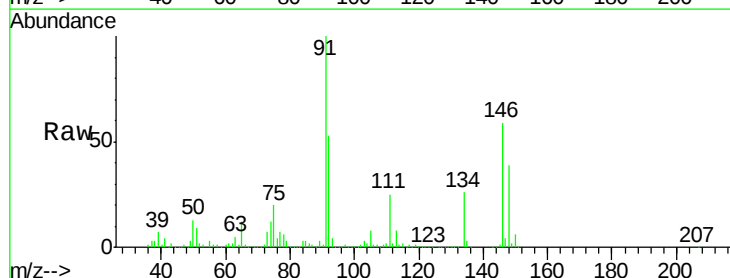
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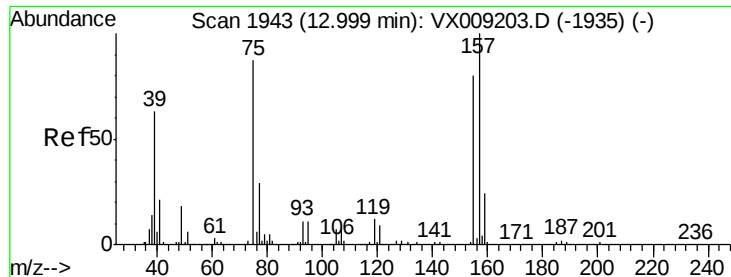
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#91
1,2-Dichlorobenzene
Concen: 42.983 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX009900.D
Acq: 24 May 2019 20:28

Tgt Ion:146 Resp: 176201
Ion Ratio Lower Upper
146 100
111 42.1 20.8 62.4
148 64.4 31.9 95.9





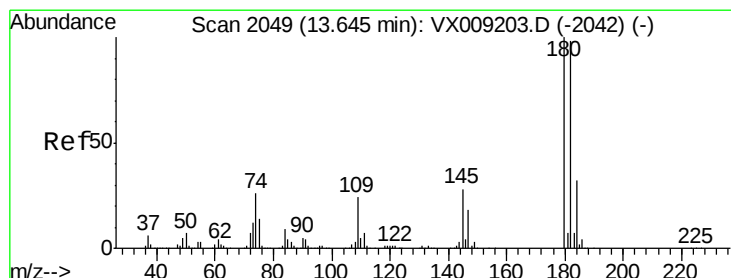
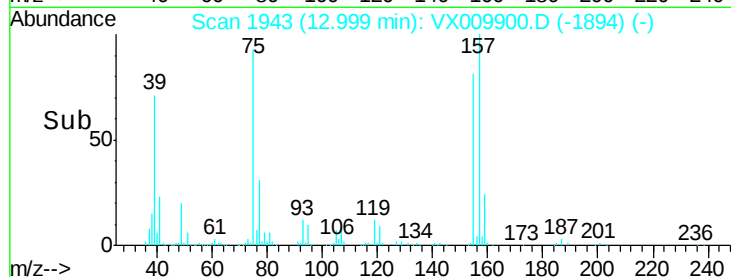
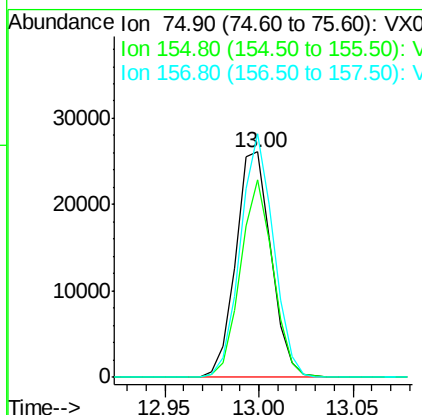
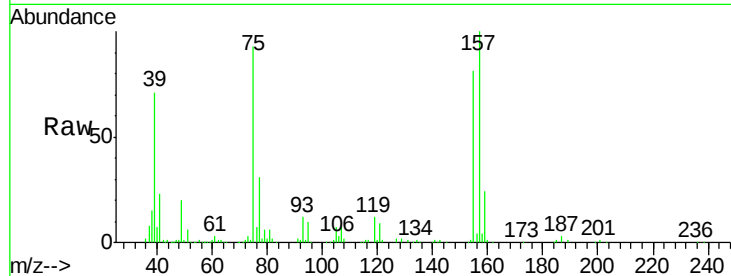
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.773 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX009900.D
 Acq: 24 May 2019 20:28

Instrument :
 MSVOA_X
 ClientSampleId :
 S32-0657MSD

Tot Ion	Ratio	Lower	Upper
75	100		
155	80.6	42.0	126.0
157	101.1	53.2	159.6

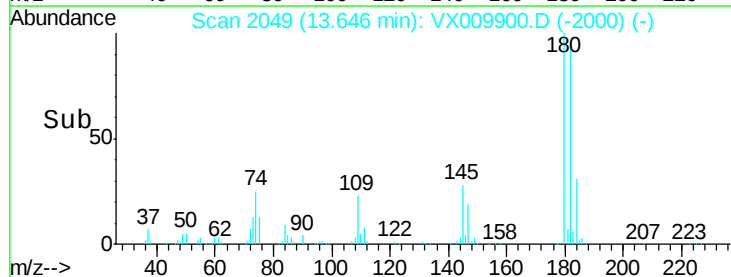
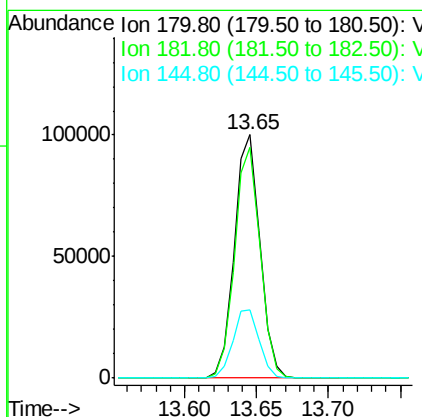
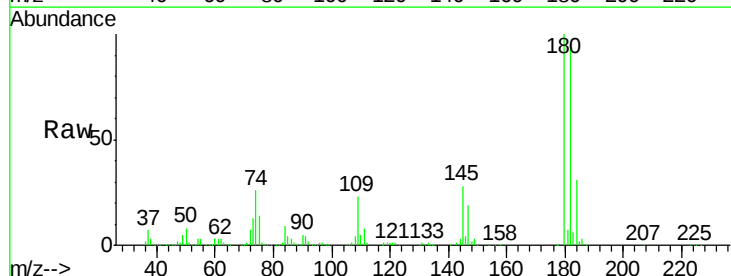
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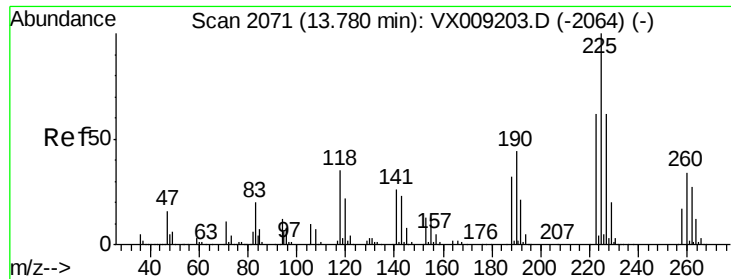
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#93
 1,2,4-Trichlorobenzene
 Concen: 44.332 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX009900.D
 Acq: 24 May 2019 20:28

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	48.4	145.2
145	29.3	14.6	43.8





#94

Hexachlorobutadiene

Concen: 43.366 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VX009900.D

Acq: 24 May 2019 20:28

Instrument :

MSVOA_X

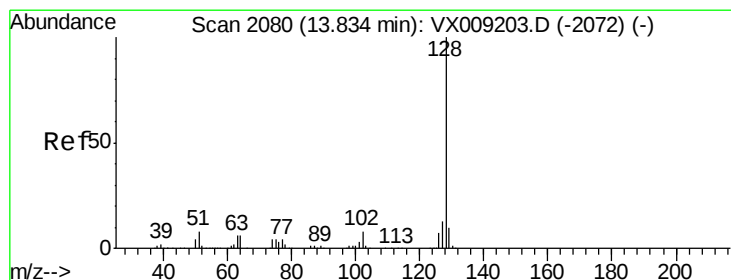
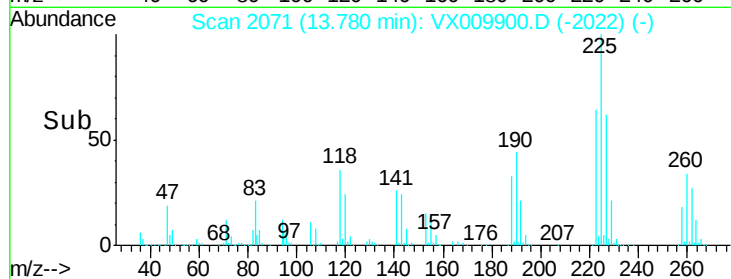
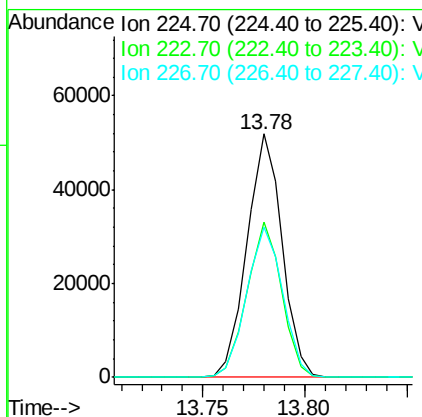
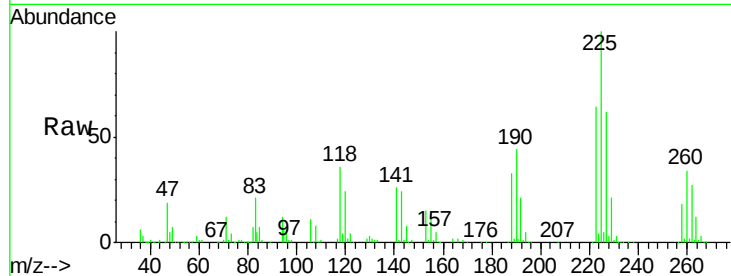
ClientSampleId :

S32-0657MSD

Tot Ion:	225	Resp:	62079
Ion Ratio	Lower	Upper	
225	100		
223	62.8	31.3	93.8
227	63.3	31.8	95.3

Manual Integrations
APPROVED

MMDadoda
5/28/2019 9:52:22 AM



#95

Naphthalene

Concen: 44.224 ug/l

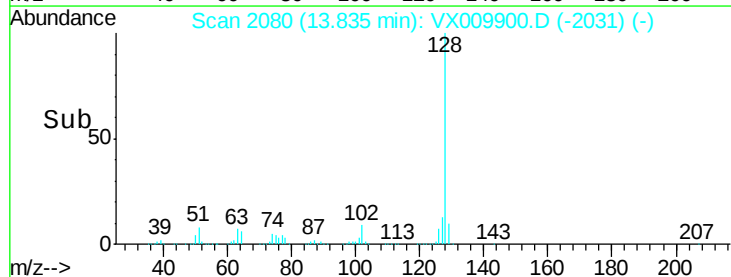
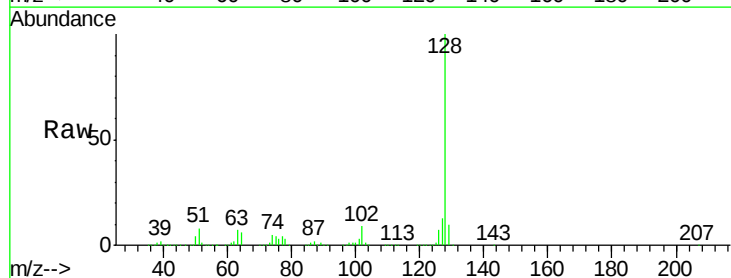
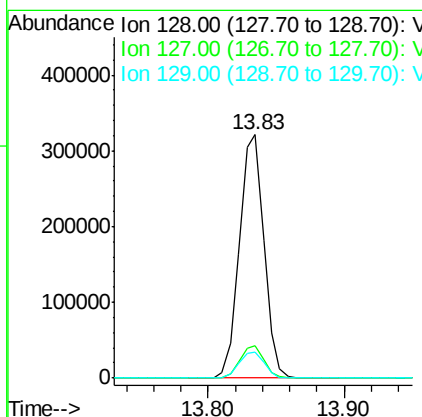
RT: 13.83 min Scan# 2080

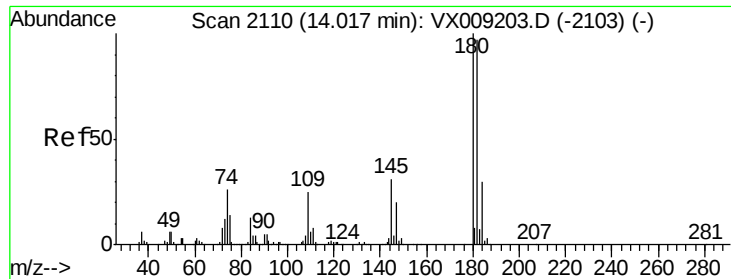
Delta R.T. 0.00 min

Lab File: VX009900.D

Acq: 24 May 2019 20:28

Tgt Ion:	128	Resp:	403329
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.4	15.6
129	10.8	8.6	13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 44.230 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. 0.00 min
 Lab File: VX009900.D
 Acq: 24 May 2019 20:28

Instrument :
 MSVOA_X
 ClientSampleId :
 S32-0657MSD

Tot Ion	Ratio	Resp Lower	Upper
180	100		
182	96.1	47.8	143.4
145	31.1	15.4	46.4

Manual Integrations
 APPROVED

MMDadoda
 5/28/2019 9:52:22 AM

