

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052819\
 Data File : VX009905.D
 Acq On : 28 May 2019 10:44
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Quant Time: May 29 03:45:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 29 03:39:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	177662	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	282499	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	254428	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	122425	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	46780	19.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.92%	
35) Dibromofluoromethane	5.50	113	34537	19.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.24%	
50) Toluene-d8	8.71	98	138797	19.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.98%	
62) 4-Bromofluorobenzene	11.13	95	48865	18.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	47405	26.774	ug/l	100
3) Chloromethane	1.33	50	56525	24.088	ug/l	100
4) Vinyl Chloride	1.41	62	51495	22.744	ug/l	99
5) Bromomethane	1.64	94	27391	20.188	ug/l	97
6) Chloroethane	1.72	64	30626	21.410	ug/l	100
7) Trichlorofluoromethane	1.93	101	57703	21.306	ug/l	98
8) Diethyl Ether	2.19	74	25164	19.851	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	33805	20.108	ug/l	100
10) Methyl Iodide	2.51	142	34813	19.534	ug/l	98
11) Tert butyl alcohol	3.04	59	58725	103.304	ug/l	99
12) 1,1-Dichloroethene	2.37	96	34491	20.490	ug/l	95
13) Acrolein	2.29	56	42058	84.919	ug/l	99
14) Allyl chloride	2.73	41	82098	19.887	ug/l	99
15) Acrylonitrile	3.14	53	136236	98.184	ug/l	99
16) Acetone	2.45	43	140961	106.336	ug/l	99
17) Carbon Disulfide	2.57	76	103242	21.557	ug/l	99
18) Methyl Acetate	2.78	43	60447	19.362	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	126691	19.462	ug/l	99
20) Methylene Chloride	2.86	84	40592	19.126	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	36665	20.134	ug/l	96
22) Diisopropyl ether	3.85	45	158760	20.100	ug/l	98
23) Vinyl Acetate	3.82	43	707656	104.168	ug/l	100
24) 1,1-Dichloroethane	3.70	63	76116	19.583	ug/l	98
25) 2-Butanone	4.67	43	213690	103.956	ug/l	99
26) 2,2-Dichloropropane	4.59	77	58179	20.089	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	41492	19.149	ug/l	99
28) Bromochloromethane	5.02	49	36366	20.649	ug/l	99
29) Tetrahydrofuran	5.13	42	136901	103.728	ug/l	100
30) Chloroform	5.21	83	68745	19.599	ug/l	99
31) Cyclohexane	5.58	56	75700	20.680	ug/l	95
32) 1,1,1-Trichloroethane	5.50	97	57081	19.502	ug/l	99
36) 1,1-Dichloropropene	5.80	75	53346	20.073	ug/l	99
37) Ethyl Acetate	4.84	43	77699	20.848	ug/l	99
38) Carbon Tetrachloride	5.79	117	48167	19.960	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	66696	20.374	ug/l	100
40) Benzene	6.15	78	163275	19.901	ug/l	97
41) Methacrylonitrile	5.04	41	43438	19.693	ug/l	99
42) 1,2-Dichloroethane	6.20	62	58785	19.895	ug/l	99
43) Isopropyl Acetate	6.45	43	118004	19.863	ug/l	99
44) Trichloroethene	7.21	130	38385	19.381	ug/l	100
45) 1,2-Dichloropropane	7.51	63	46282	19.926	ug/l	98
46) Dibromomethane	7.66	93	26045	19.320	ug/l	99
47) Bromodichloromethane	7.90	83	51833	19.311	ug/l	98
48) Methyl methacrylate	7.77	41	60706	20.526	ug/l	100
49) 1,4-Dioxane	7.74	88	23346	394.528	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	399622	102.649	ug/l	100
52) Toluene	8.79	92	97967	19.639	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	60900	19.937	ug/l	96
54) cis-1,3-Dichloropropene	8.43	75	67980	20.185	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	39174	19.348	ug/l	97
56) Ethyl methacrylate	9.18	69	69700	19.148	ug/l	99
57) 1,3-Dichloropropane	9.37	76	70594	19.726	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	190207	99.529	ug/l	100
59) 2-Hexanone	9.49	43	315150	103.166	ug/l	100
60) Dibromochloromethane	9.58	129	38463	19.376	ug/l	99
61) 1,2-Dibromoethane	9.67	107	40197	19.636	ug/l	99
64) Tetrachloroethene	9.34	164	34685	19.721	ug/l	99
65) Chlorobenzene	10.13	112	99783	19.485	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	35697	19.252	ug/l	99
67) Ethyl Benzene	10.25	91	186433	19.774	ug/l	100
68) m/p-Xylenes	10.36	106	138272	40.095	ug/l	99
69) o-Xylene	10.69	106	65675	19.314	ug/l	99
70) Styrene	10.71	104	115660	19.620	ug/l	99
71) Bromoform	10.85	173	28482	18.873	ug/l #	99
73) Isopropylbenzene	11.02	105	177320	19.795	ug/l	100
74) N-amyl acetate	10.90	43	104426	19.926	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	65101	19.588	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	76796	26.863	ug/l	82
77) Bromobenzene	11.26	156	42897	19.316	ug/l	99
78) n-propylbenzene	11.36	91	205501	20.050	ug/l	100
79) 2-Chlorotoluene	11.42	91	124479	19.675	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	151650	20.078	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	21163	18.841	ug/l	94
82) 4-Chlorotoluene	11.51	91	139794	19.541	ug/l	98
83) tert-Butylbenzene	11.77	119	142500	19.429	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	151292	19.954	ug/l	99
85) sec-Butylbenzene	11.94	105	171428	19.709	ug/l	100
86) p-Isopropyltoluene	12.06	119	156160	19.949	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	77252	19.525	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	77123	19.324	ug/l	99
89) n-Butylbenzene	12.38	91	140884	19.826	ug/l	100
90) Hexachloroethane	12.60	117	25655	19.271	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	76753	19.107	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	15002	20.126	ug/l	95

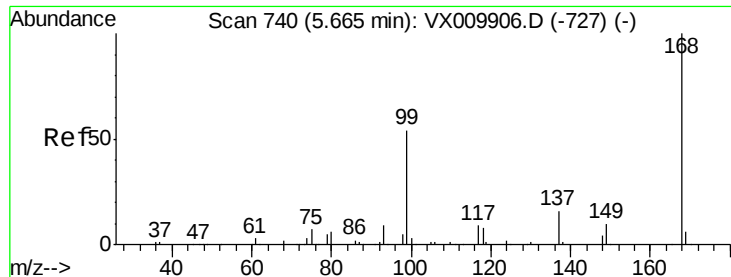
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052819\
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	54335	19.724	ug/l	99
94) Hexachlorobutadiene	13.78	225	27836	19.739	ug/l	99
95) Naphthalene	13.83	128	177214	19.917	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	54937	19.720	ug/l	98

(#) = 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: VX009905.D

Acq: 28 May 2019 10:44

Instrument :

MSVOA_X

ClientSampleId :

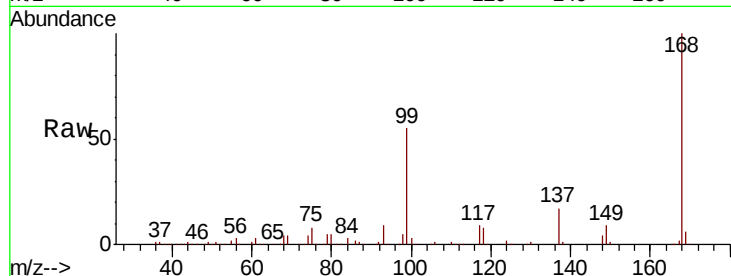
VSTDIC020

Tot Ion:168 Resp: 177662

Ion Ratio Lower Upper

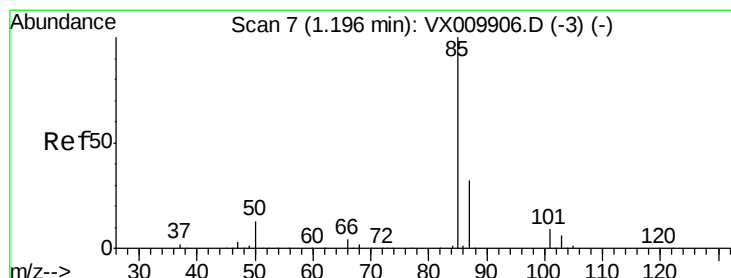
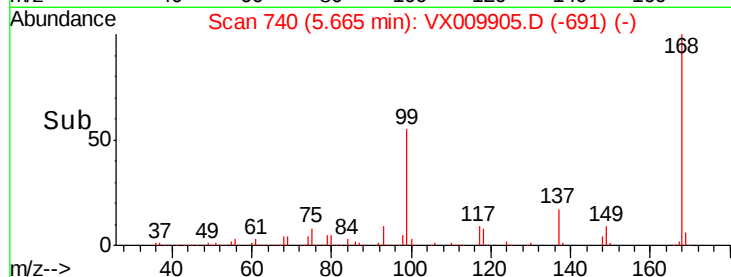
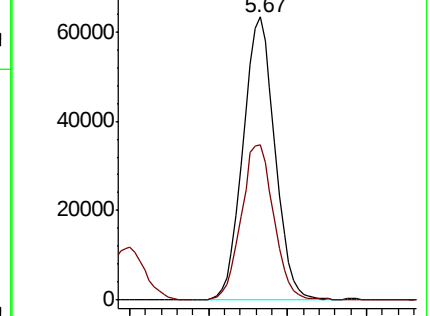
168 100

99 54.6 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 26.774 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX009905.D

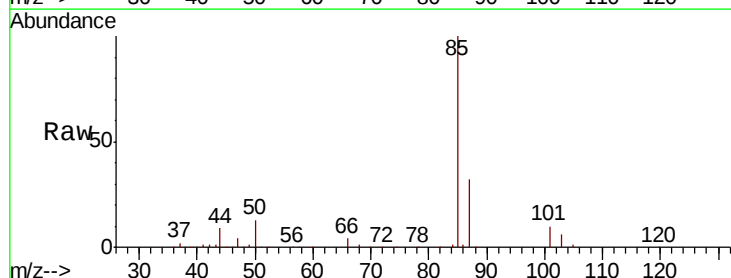
Acq: 28 May 2019 10:44

Tgt Ion: 85 Resp: 47405

Ion Ratio Lower Upper

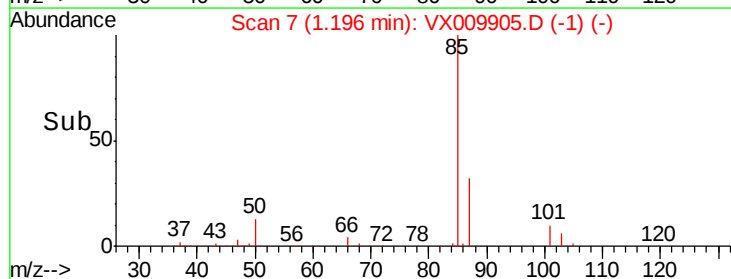
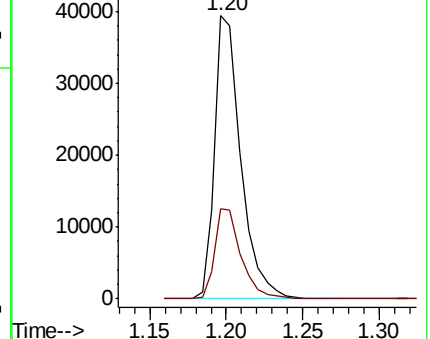
85 100

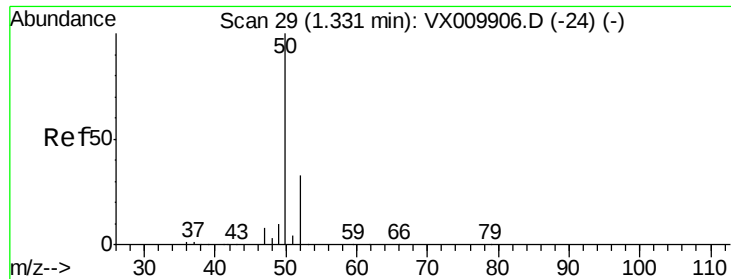
87 32.0 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 24.088 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX009905.D

Acq: 28 May 2019 10:44

Instrument :

MSVOA_X

ClientSampleId :

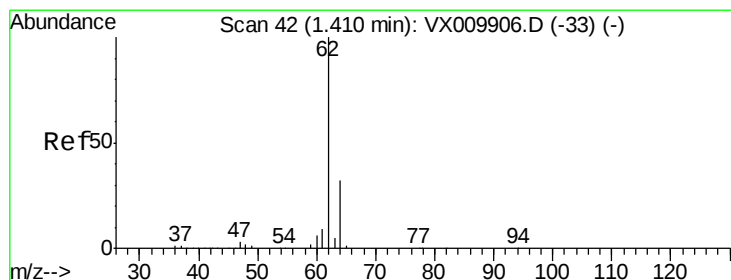
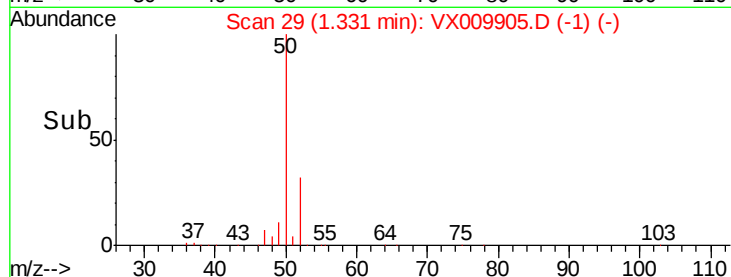
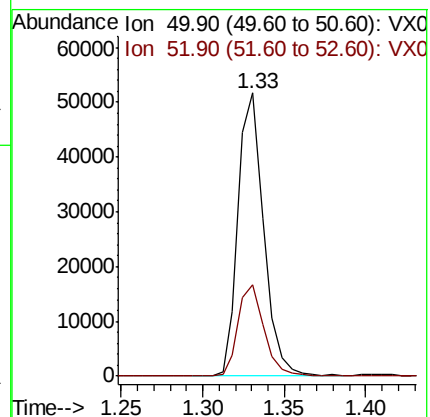
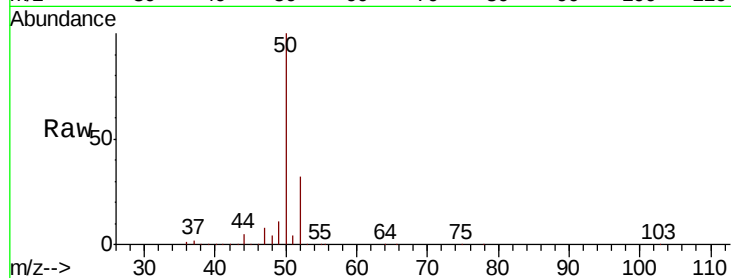
VSTDIC020

Tot Ion: 50 Resp: 56525

Ion Ratio Lower Upper

50 100

52 32.3 26.0 39.0



#4

Vinyl Chloride

Concen: 22.744 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX009905.D

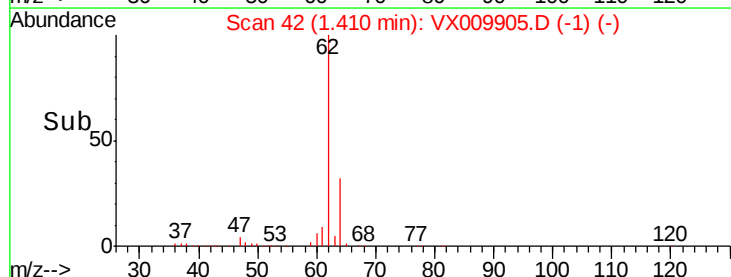
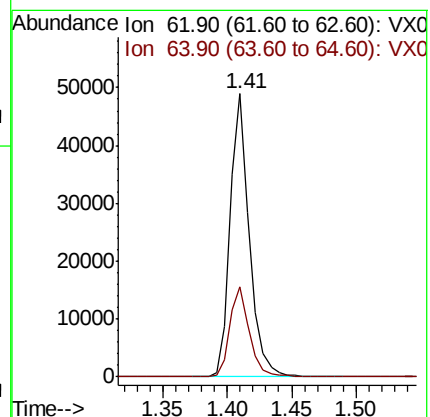
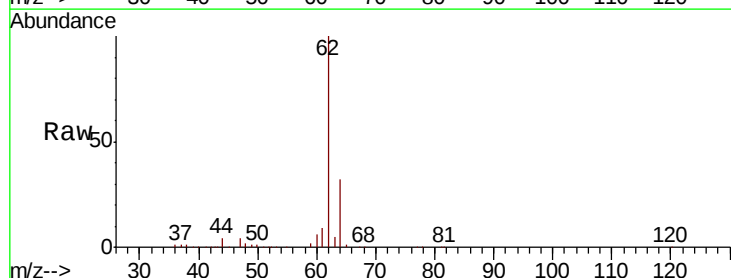
Acq: 28 May 2019 10:44

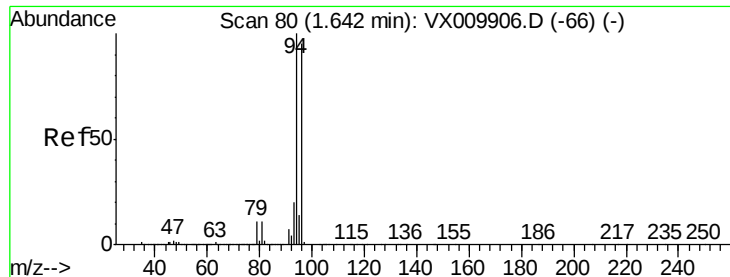
Tgt Ion: 62 Resp: 51495

Ion Ratio Lower Upper

62 100

64 31.8 25.7 38.5





#5

Bromomethane

Concen: 20.188 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.00 min

Lab File: VX009905.D

Acq: 28 May 2019 10:44

Instrument :

MSVOA_X

ClientSampleId :

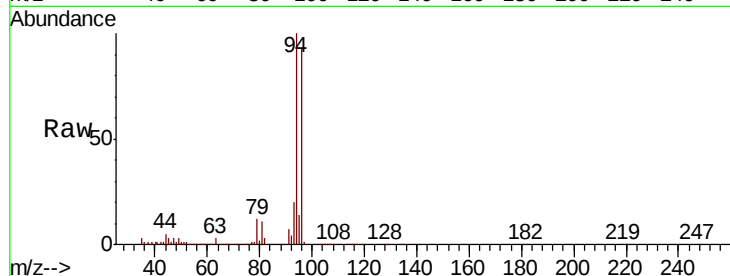
VSTDIC020

Tot Ion: 94 Resp: 27391

Ion Ratio Lower Upper

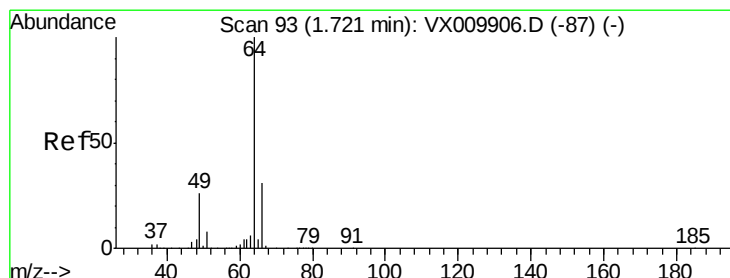
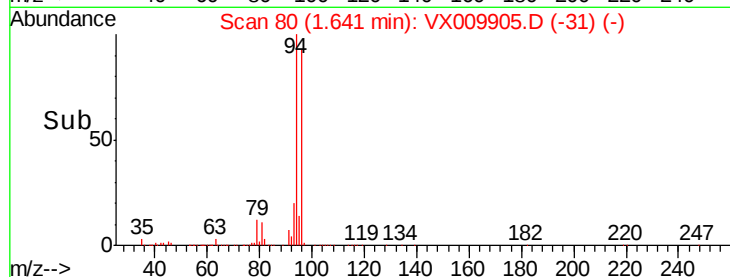
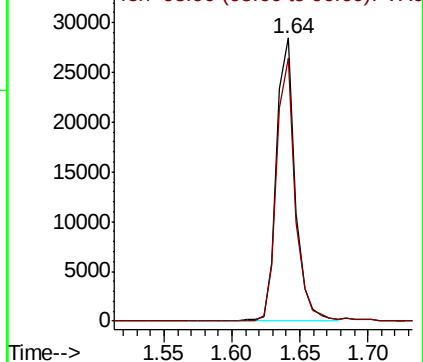
94 100

96 92.7 76.2 114.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 21.410 ug/l

RT: 1.72 min Scan# 93

Delta R.T. -0.00 min

Lab File: VX009905.D

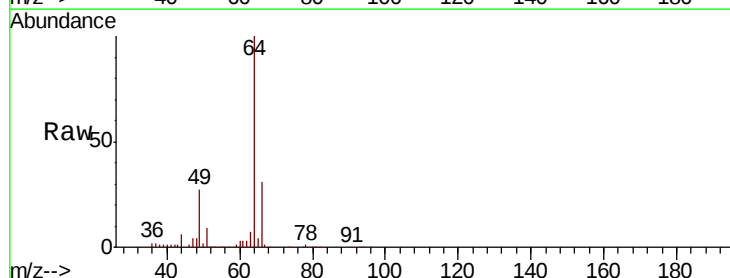
Acq: 28 May 2019 10:44

Tgt Ion: 64 Resp: 30626

Ion Ratio Lower Upper

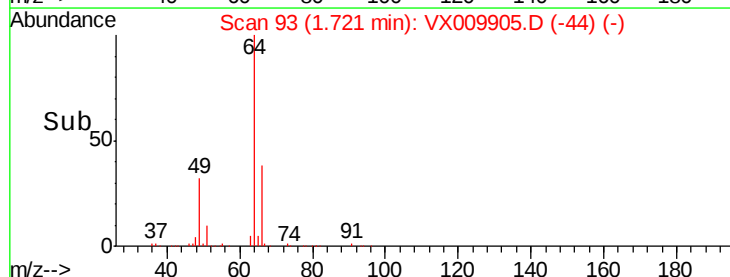
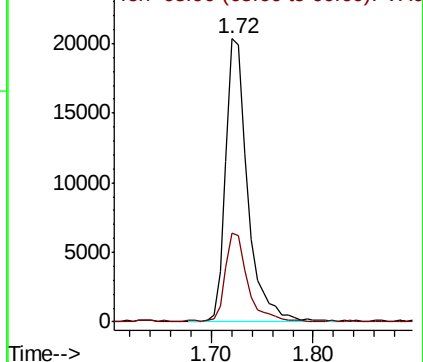
64 100

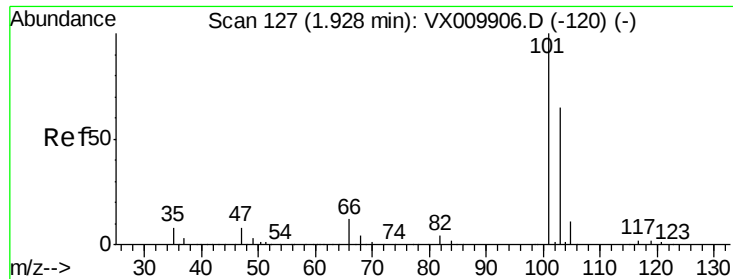
66 31.3 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



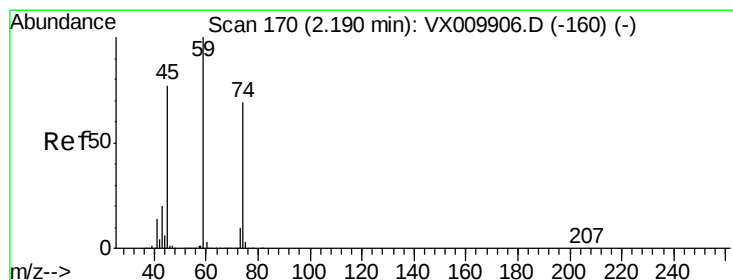
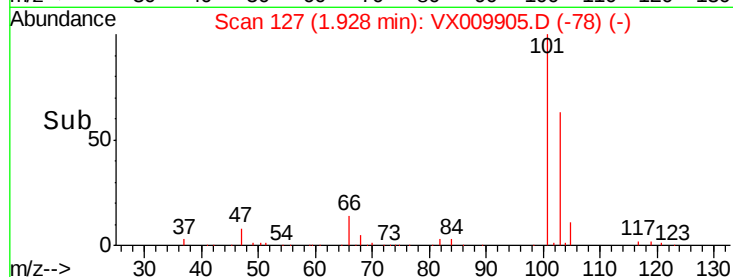
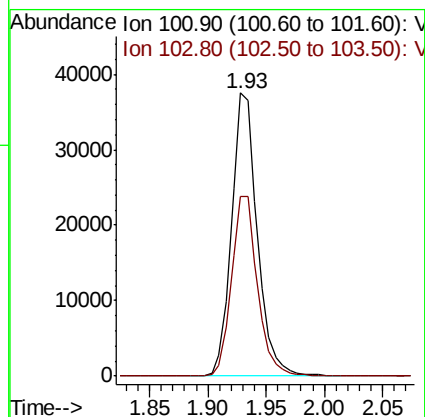
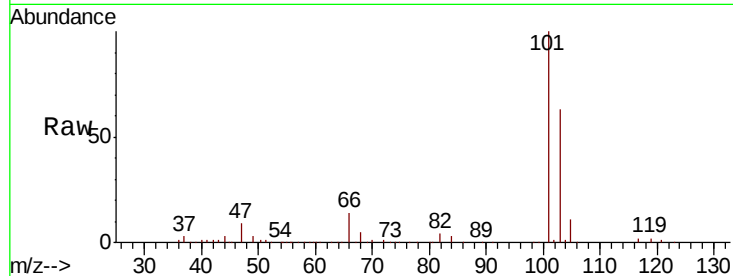


#7

Trichlorofluoromethane
 Concen: 21.306 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. -0.00 min
 Lab File: VX009905.D
 Acq: 28 May 2019 10:44

Instrument :
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 ClientSampleId :
 VSTDIC020

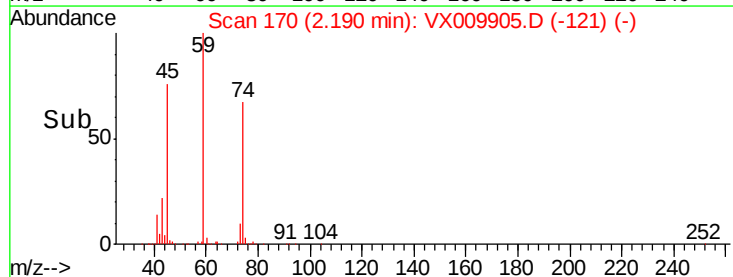
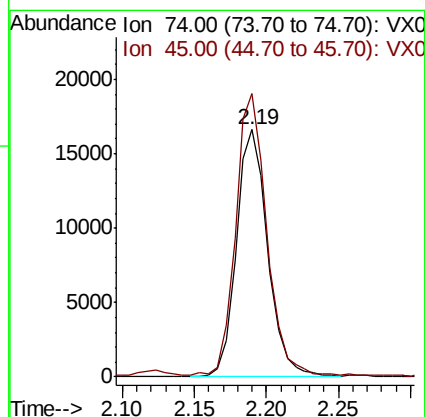
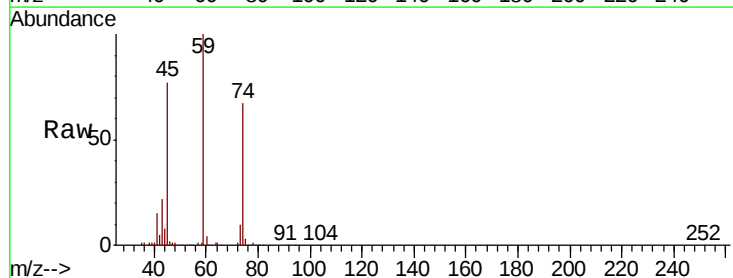
Tot Ion:101 Resp: 57703
 Ion Ratio Lower Upper
 101 100
 103 63.4 52.2 78.4

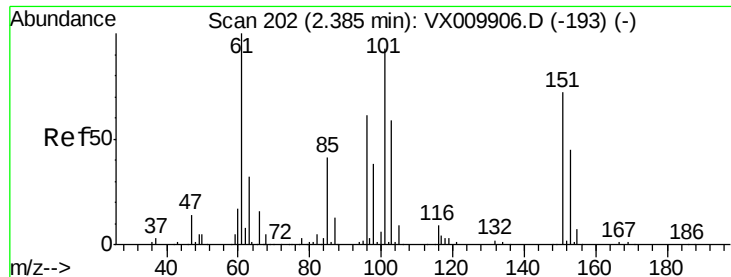


#8

Diethyl Ether
 Concen: 19.851 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX009905.D
 Acq: 28 May 2019 10:44

Tgt Ion: 74 Resp: 25164
 Ion Ratio Lower Upper
 74 100
 45 114.3 56.1 168.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.108 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX009905.D

Acq: 28 May 2019 10:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

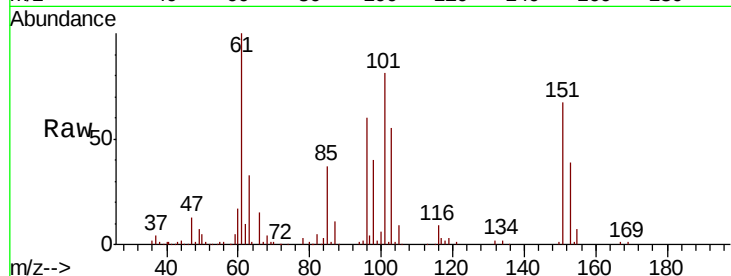
Tot Ion:101 Resp: 33805

Ion Ratio Lower Upper

101 100

85 44.4 35.2 52.8

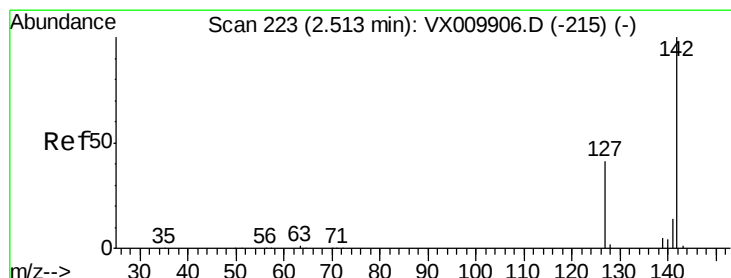
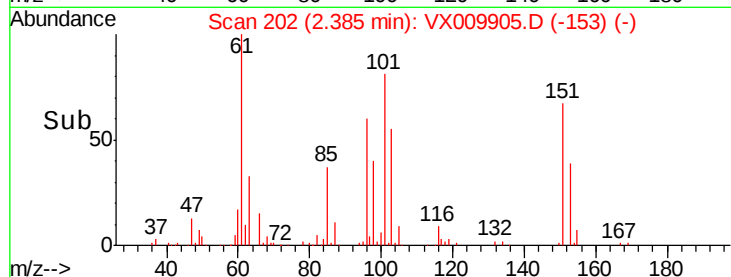
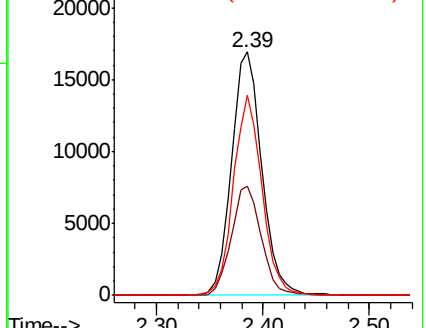
151 77.7 61.9 92.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.534 ug/l

RT: 2.51 min Scan# 223

Delta R.T. -0.00 min

Lab File: VX009905.D

Acq: 28 May 2019 10:44

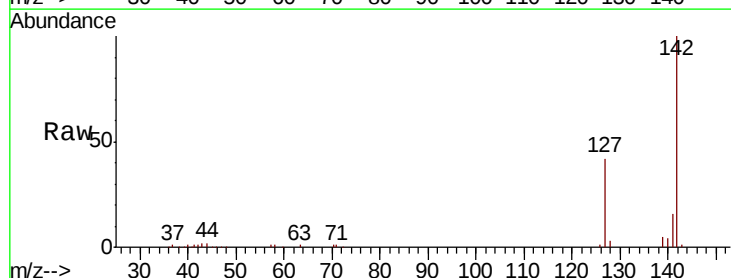
Tgt Ion:142 Resp: 34813

Ion Ratio Lower Upper

142 100

127 42.4 33.0 49.4

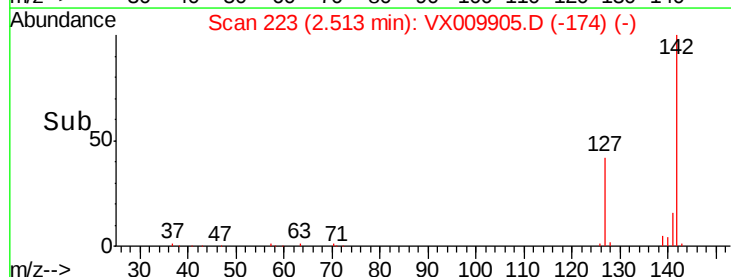
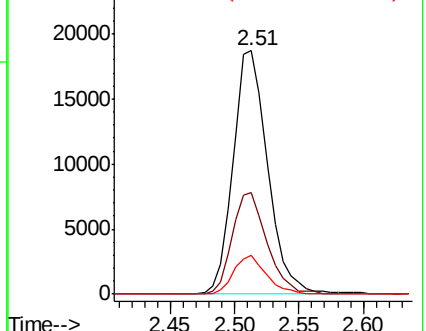
141 15.1 11.4 17.0

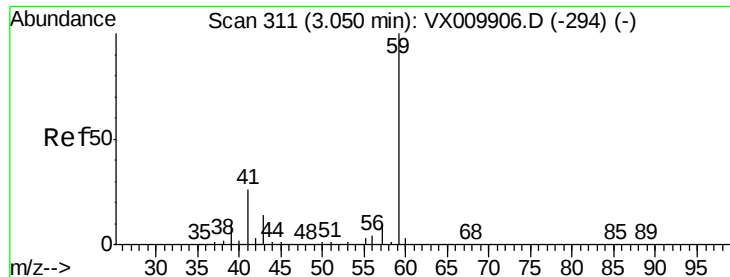


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



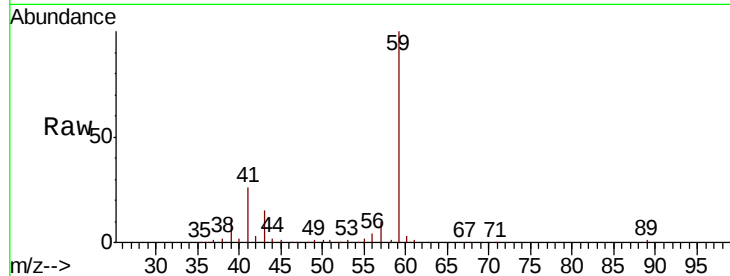


#11

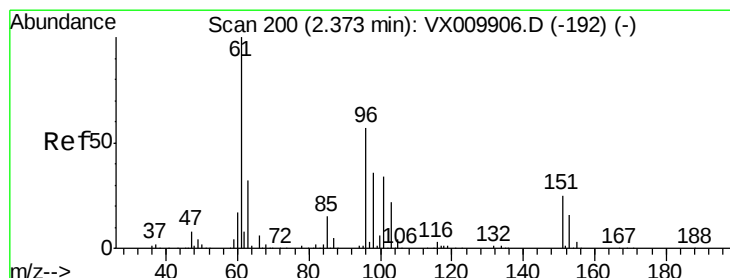
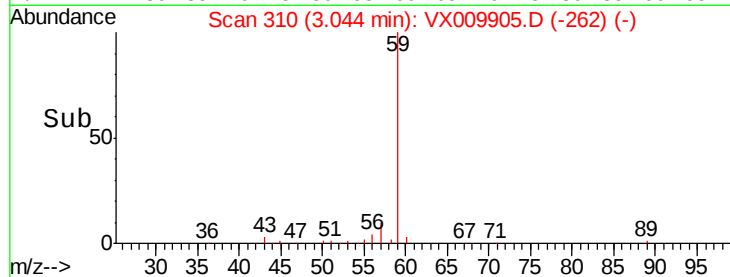
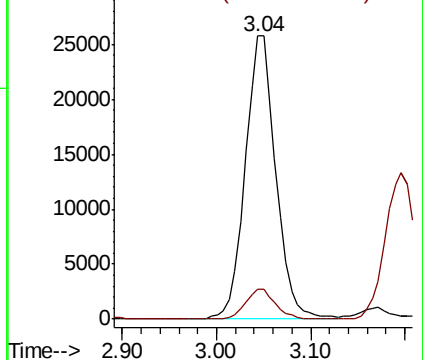
Tert butyl alcohol
 Concen: 103.304 ug/l
 RT: 3.04 min Scan# 310
 Delta R.T. -0.01 min
 Lab File: VX009905.D
 Acq: 28 May 2019 10:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion: 59 Resp: 58725
 Ion Ratio Lower Upper
 59 100
 57 10.5 8.2 12.2



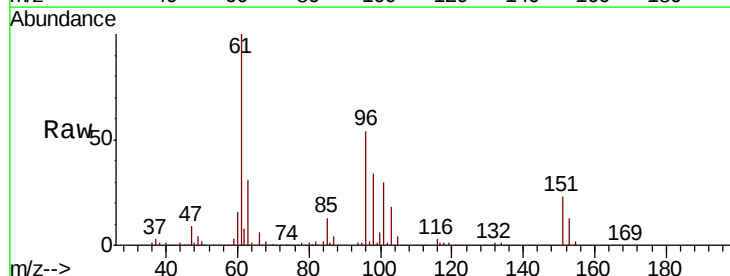
Abundance Ion 59.00 (58.70 to 59.70): VX0
 Ion 57.00 (56.70 to 57.70): VX0



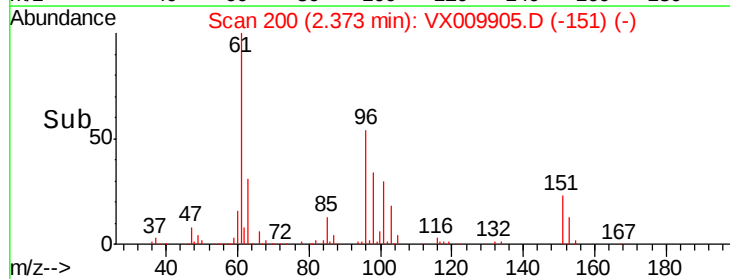
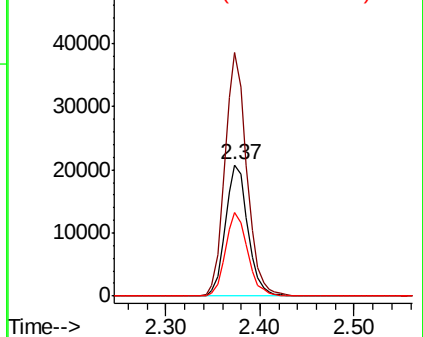
#12

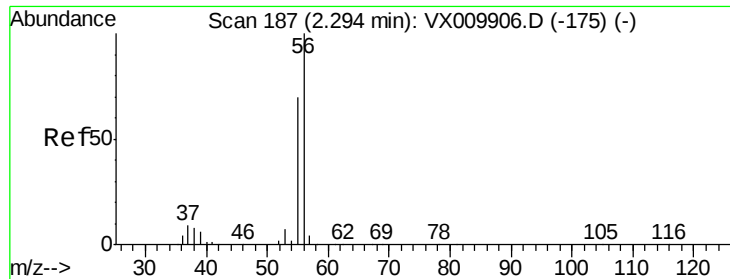
1,1-Dichloroethene
 Concen: 20.490 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. -0.00 min
 Lab File: VX009905.D
 Acq: 28 May 2019 10:44

Tgt Ion: 96 Resp: 34491
 Ion Ratio Lower Upper
 96 100
 61 185.2 140.7 211.1
 98 63.1 50.1 75.1



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





#13

Acrolein

Concen: 84.919 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX009905.D

Acq: 28 May 2019 10:44

Instrument :

MSVOA_X

ClientSampleId :

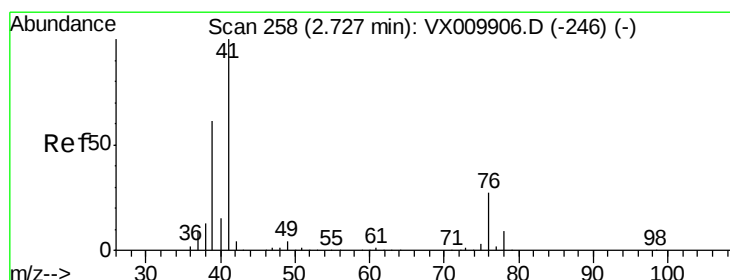
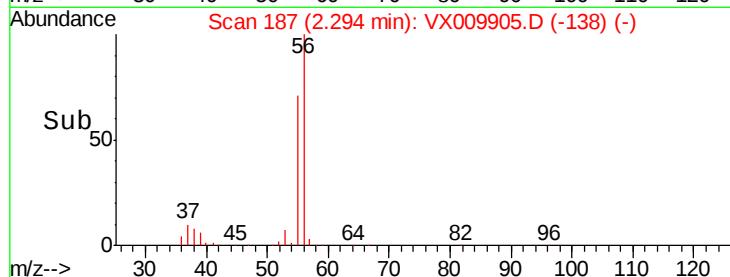
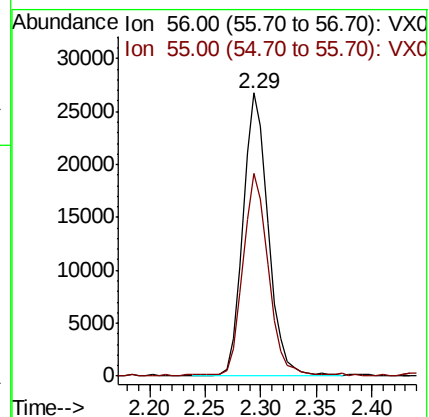
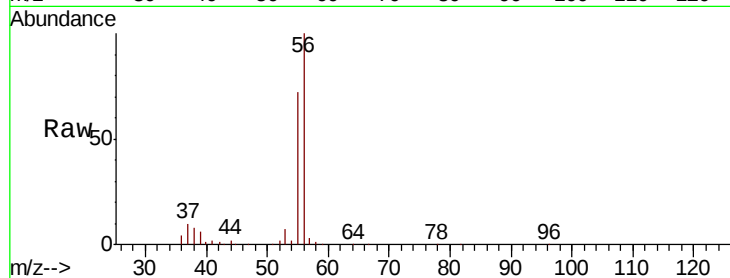
VSTDIC020

Tot Ion: 56 Resp: 42058

Ion Ratio Lower Upper

56 100

55 70.4 57.0 85.4



#14

Allyl chloride

Concen: 19.887 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX009905.D

Acq: 28 May 2019 10:44

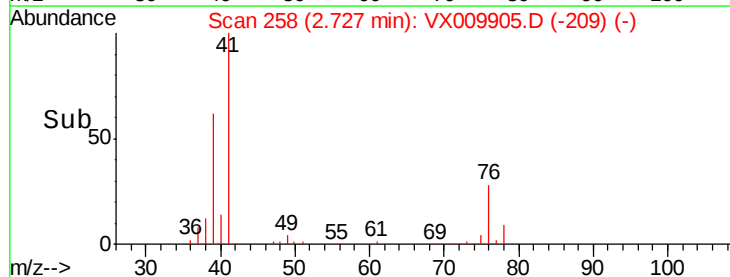
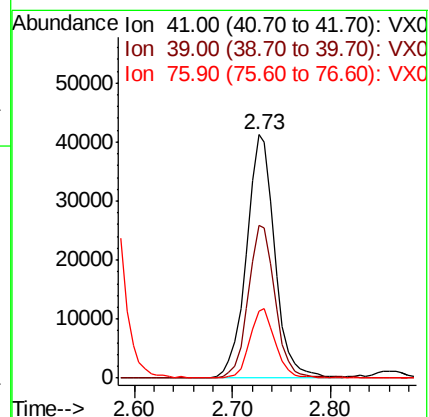
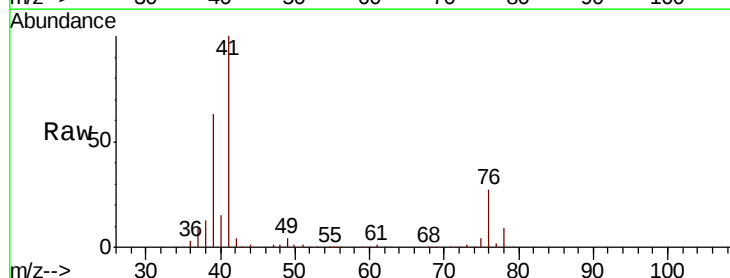
Tgt Ion: 41 Resp: 82098

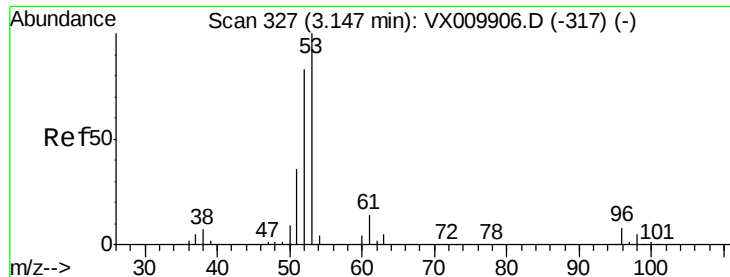
Ion Ratio Lower Upper

41 100

39 59.2 46.7 70.1

76 26.1 21.0 31.4





#15

Acrylonitrile

Concen: 98.184 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX009905.D

Acq: 28 May 2019 10:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

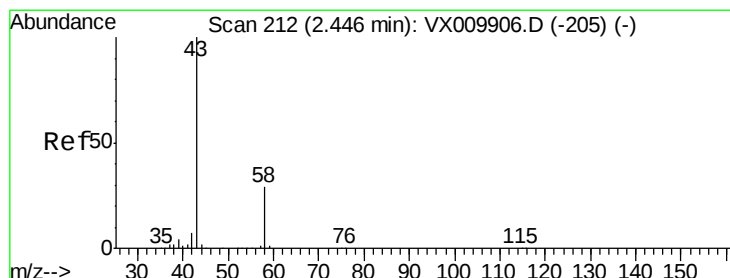
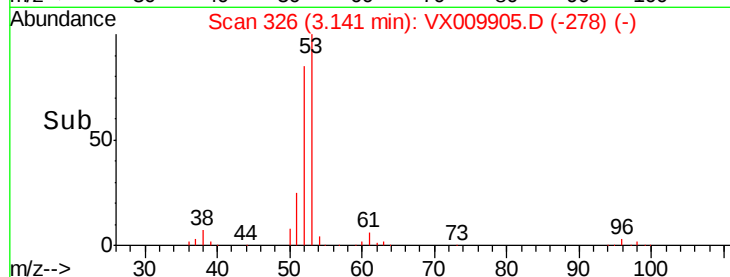
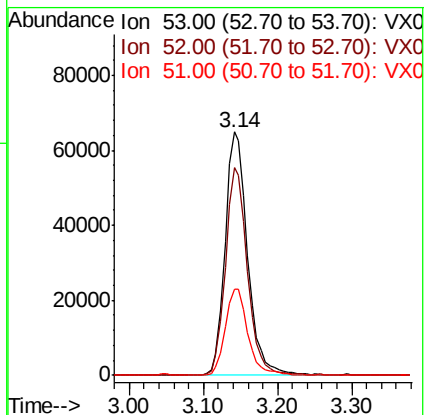
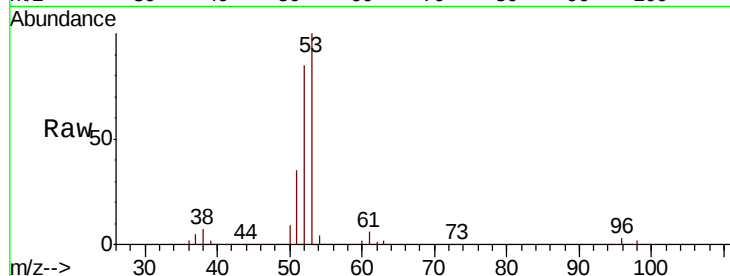
Tot Ion: 53 Resp: 136236

Ion Ratio Lower Upper

53 100

52 84.0 66.7 100.1

51 36.4 28.8 43.2



#16

Acetone

Concen: 106.336 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX009905.D

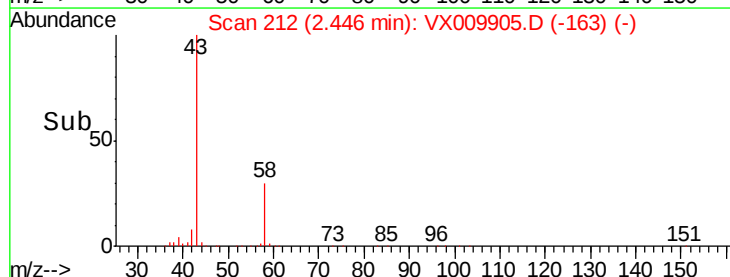
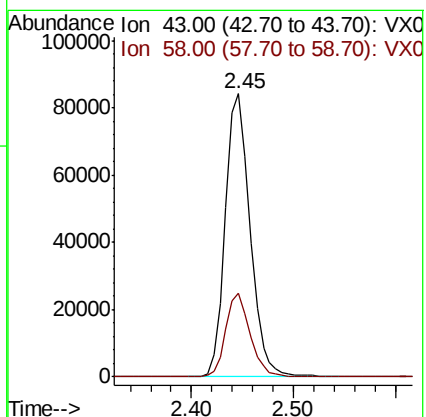
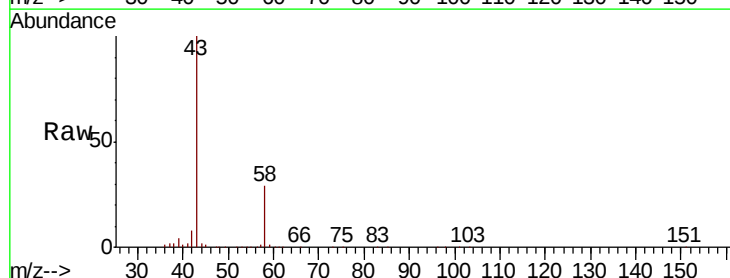
Acq: 28 May 2019 10:44

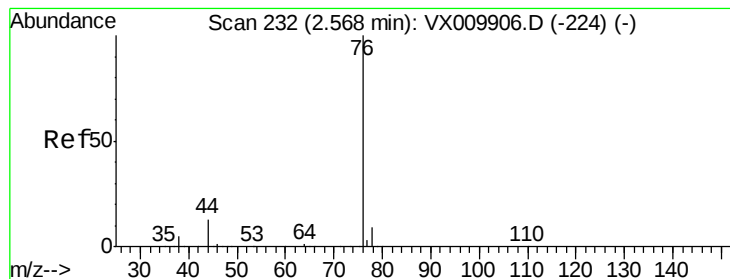
Tgt Ion: 43 Resp: 140961

Ion Ratio Lower Upper

43 100

58 29.5 23.2 34.8





#17

Carbon Disulfide

Concen: 21.557 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX009905.D

Acq: 28 May 2019 10:44

Instrument :

MSVOA_X

ClientSampleId :

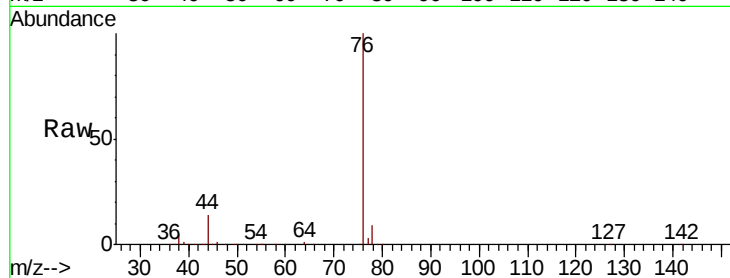
VSTDIC020

Tot Ion: 76 Resp: 103242

Ion Ratio Lower Upper

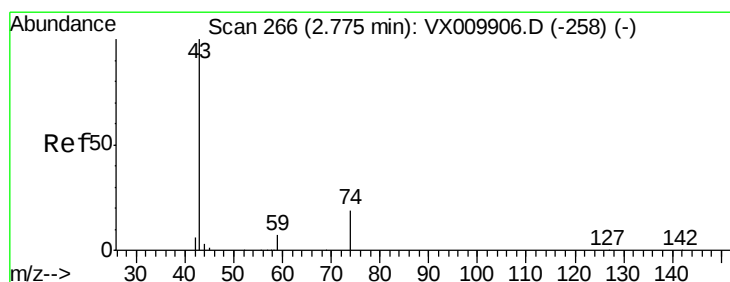
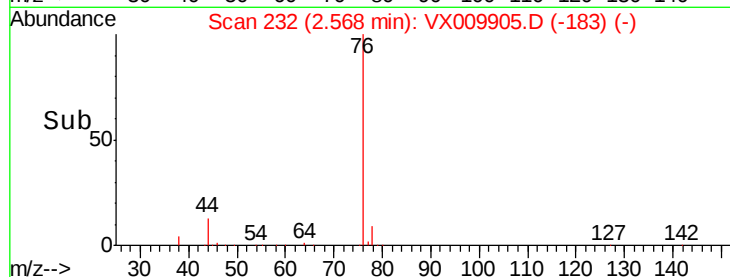
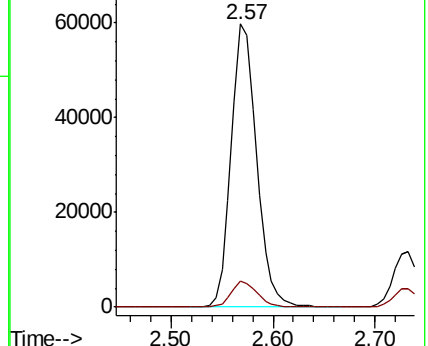
76 100

78 9.0 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 19.362 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX009905.D

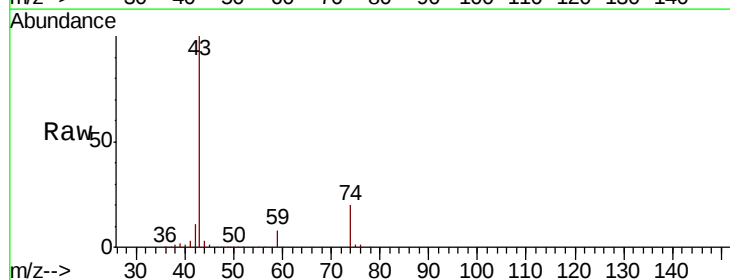
Acq: 28 May 2019 10:44

Tgt Ion: 43 Resp: 60447

Ion Ratio Lower Upper

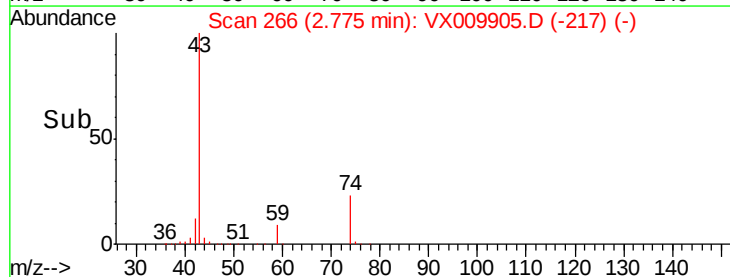
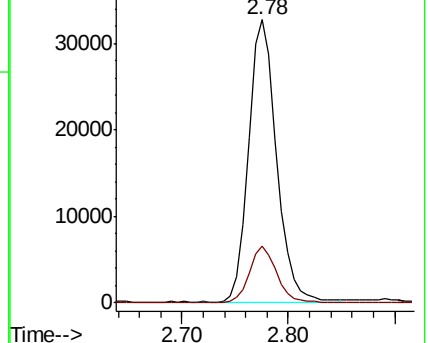
43 100

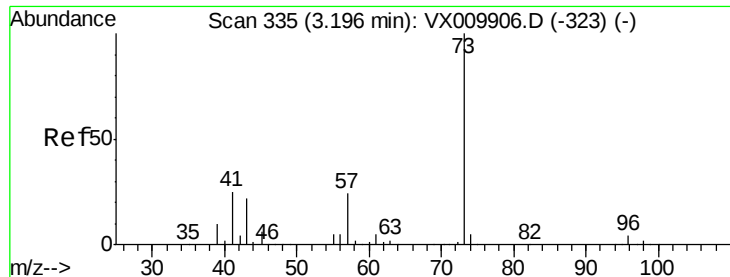
74 19.8 15.8 23.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

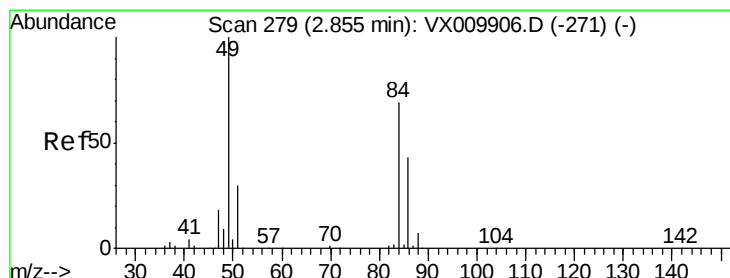
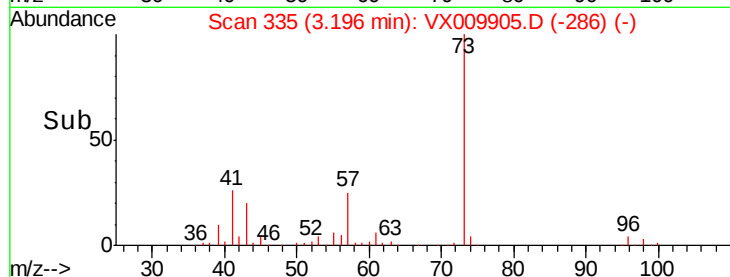
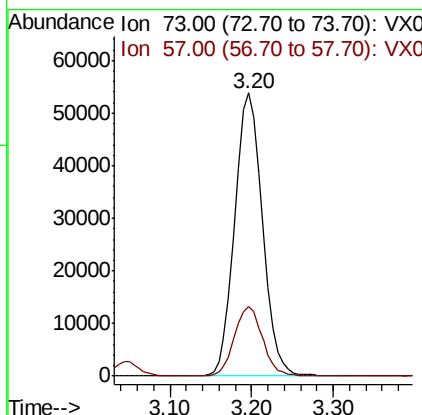
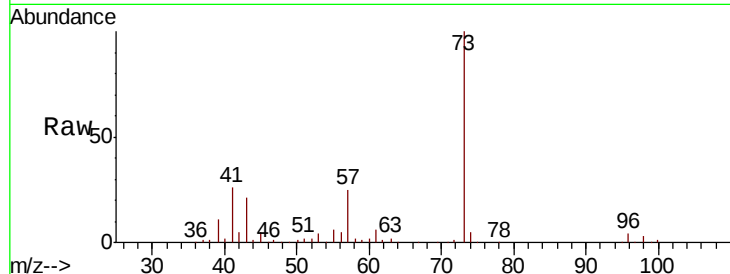




#19
Methvl tert-butvl Ether
Concen: 19.462 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX009905.D
Acq: 28 May 2019 10:44

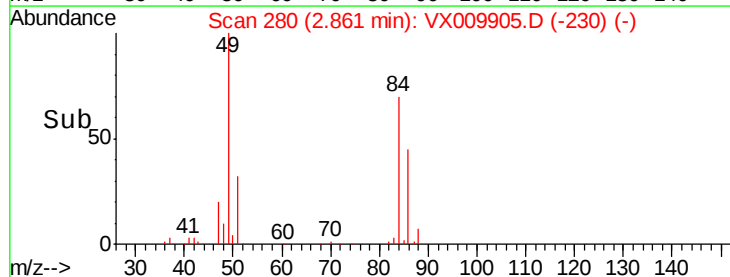
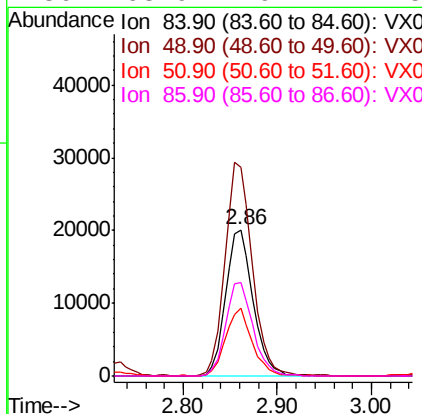
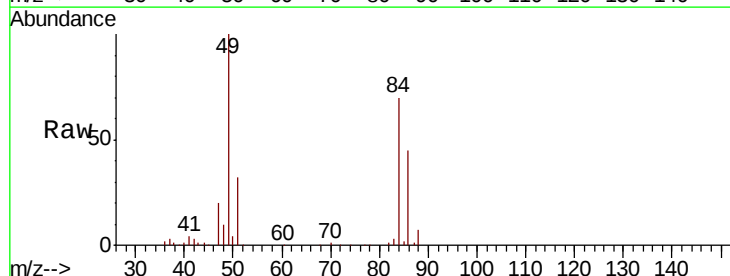
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

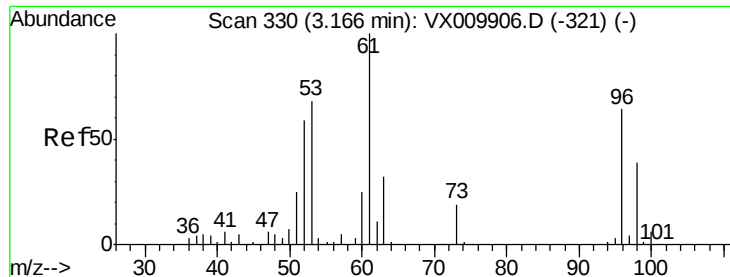
Tot Ion: 73 Resp: 126691
Ion Ratio Lower Upper
73 100
57 24.8 19.4 29.2



#20
Methylene Chloride
Concen: 19.126 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX009905.D
Acq: 28 May 2019 10:44

Tgt Ion: 84 Resp: 40592
Ion Ratio Lower Upper
84 100
49 142.5 115.8 173.6
51 46.3 34.4 51.6
86 63.9 49.7 74.5





#21

trans-1,2-Dichloroethene

Concen: 20.134 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX009905.D

Acq: 28 May 2019 10:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

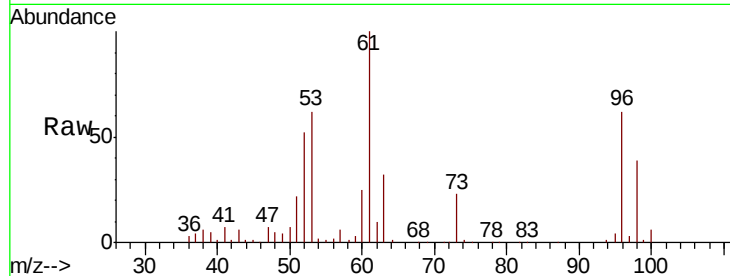
Tot Ion: 96 Resp: 36665

Ion Ratio Lower Upper

96 100

61 162.3 125.7 188.5

98 63.1 49.0 73.6

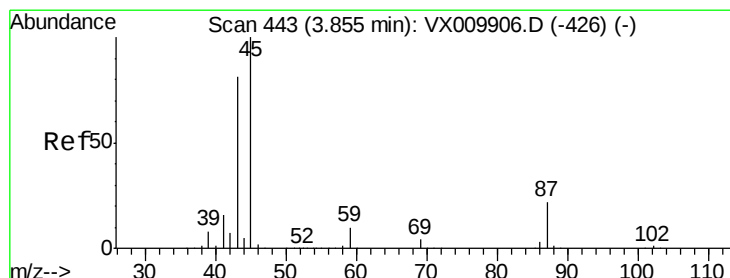
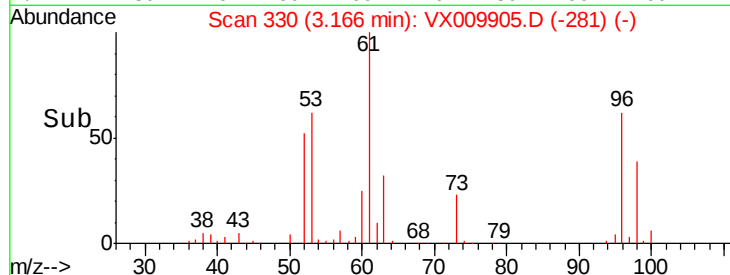
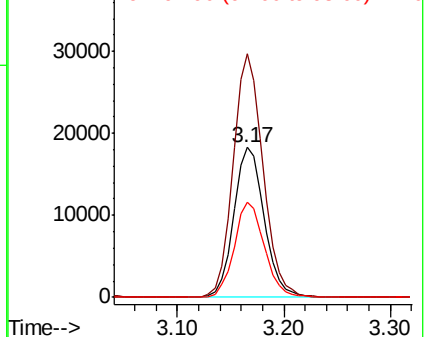


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 20.100 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX009905.D

Acq: 28 May 2019 10:44

Tgt Ion: 45 Resp: 158760

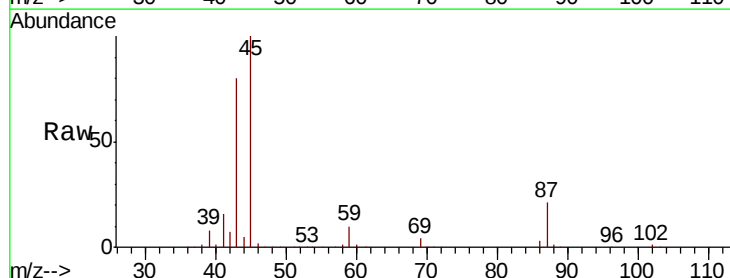
Ion Ratio Lower Upper

45 100

43 79.7 65.0 97.4

87 20.8 17.3 25.9

59 10.1 8.1 12.1



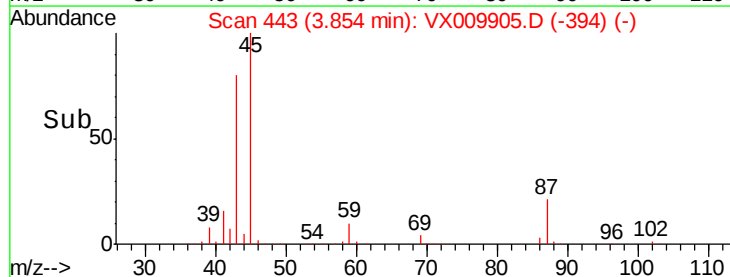
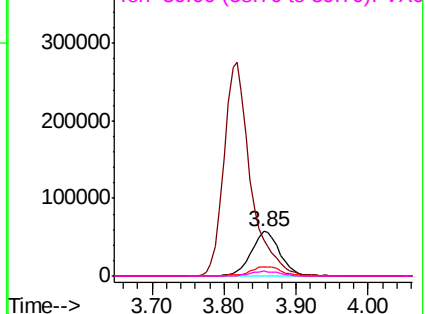
Abundance

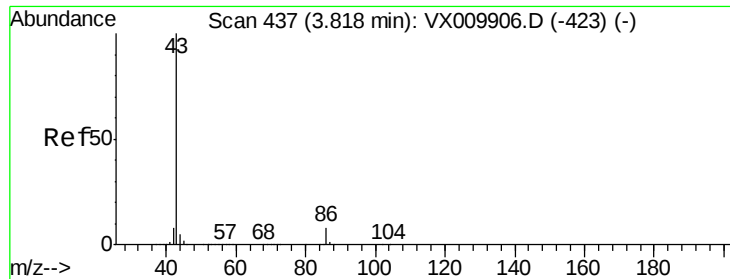
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 104.168 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.00 min

Lab File: VX009905.D

Acq: 28 May 2019 10:44

Instrument :

MSVOA_X

ClientSampleId :

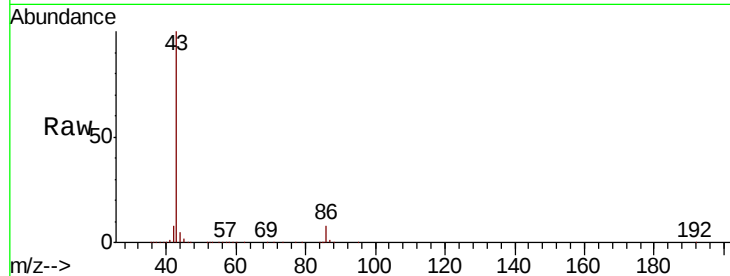
VSTDIC020

Tot Ion: 43 Resp: 707656

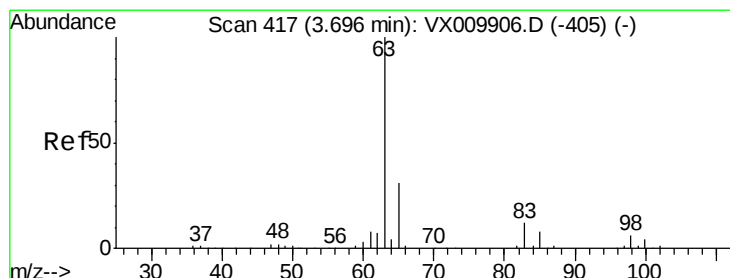
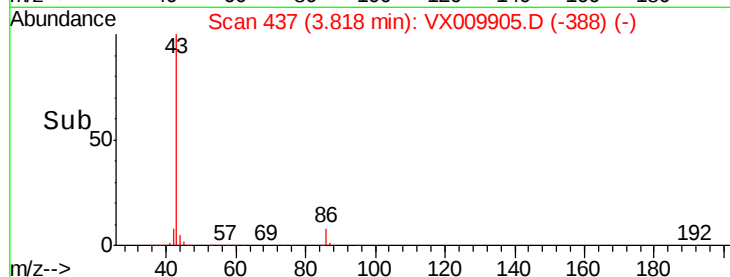
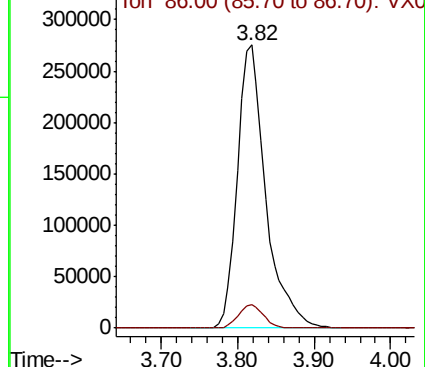
Ion Ratio Lower Upper

43 100

86 8.2 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VX0



#24

1,1-Dichloroethane

Concen: 19.583 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009905.D

Acq: 28 May 2019 10:44

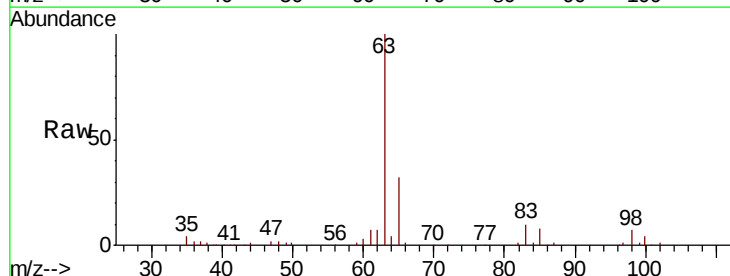
Tgt Ion: 63 Resp: 76116

Ion Ratio Lower Upper

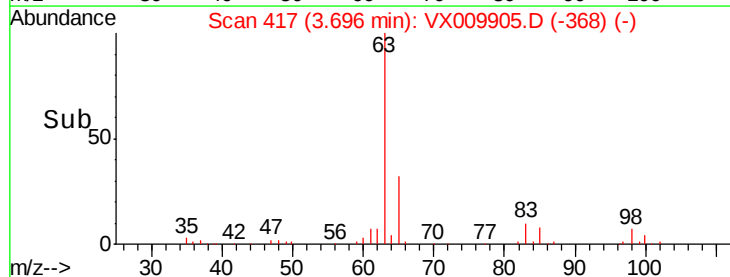
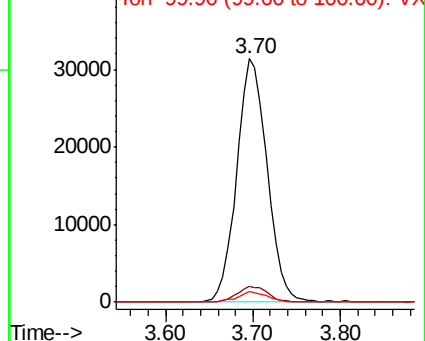
63 100

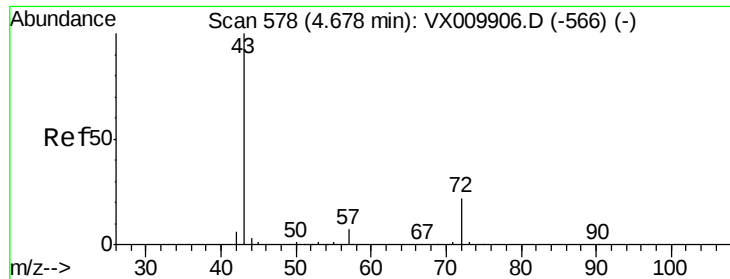
98 6.5 2.9 8.8

100 4.1 1.8 5.4



Abundance Ion 62.90 (62.60 to 63.60): VX0





#25

2-Butanone

Concen: 103.956 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.01 min

Lab File: VX009905.D

Acq: 28 May 2019 10:44

Instrument :

MSVOA_X

ClientSampleId :

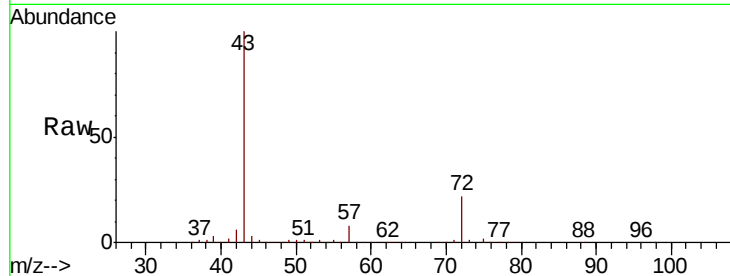
VSTDIC020

Tot Ion: 43 Resp: 213690

Ion Ratio Lower Upper

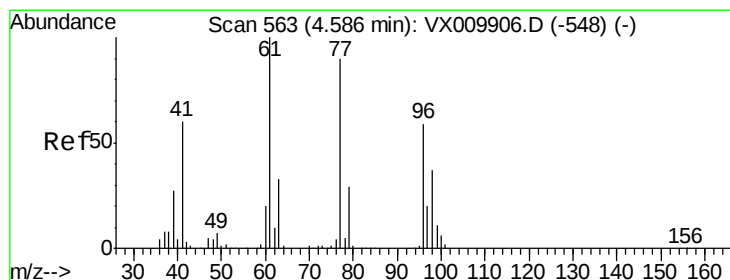
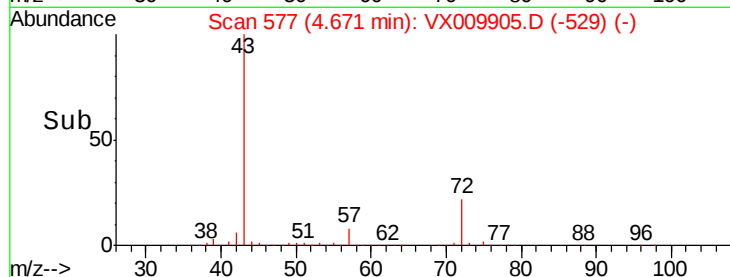
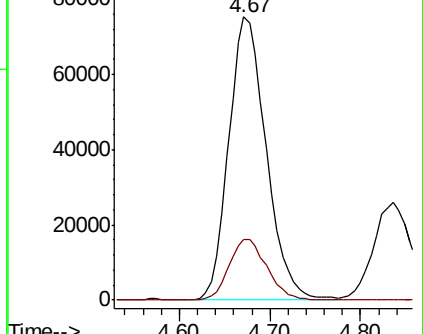
43 100

72 21.5 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 20.089 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX009905.D

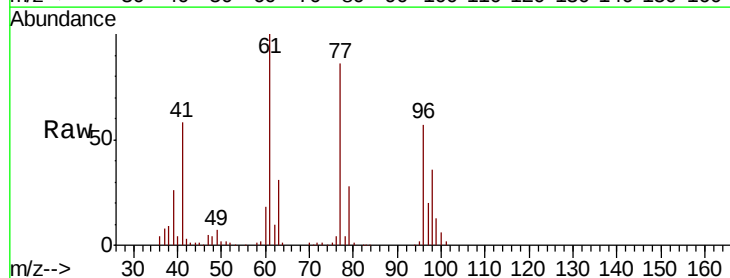
Acq: 28 May 2019 10:44

Tgt Ion: 77 Resp: 58179

Ion Ratio Lower Upper

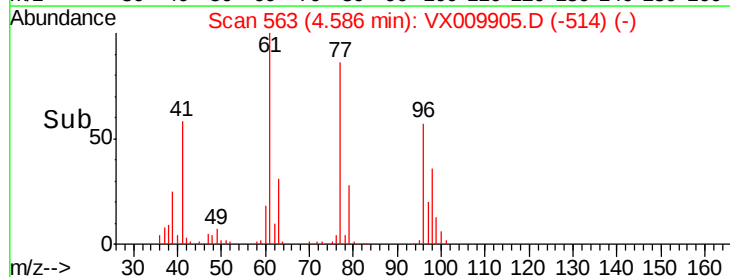
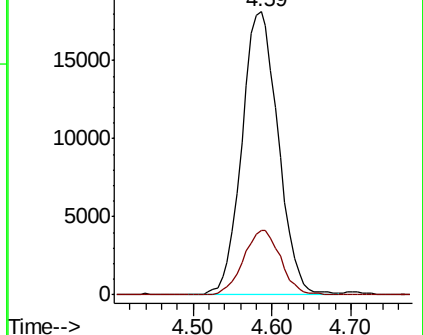
77 100

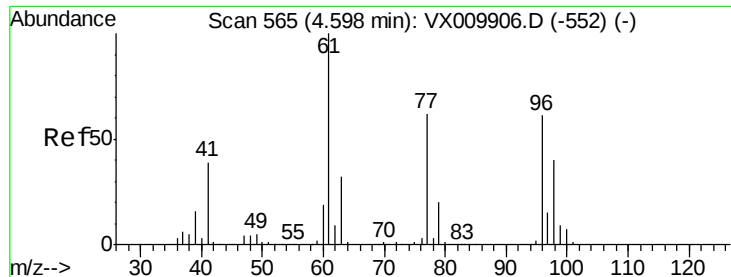
97 23.3 11.4 34.2



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



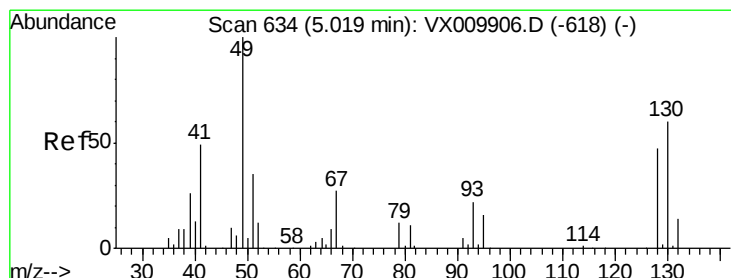
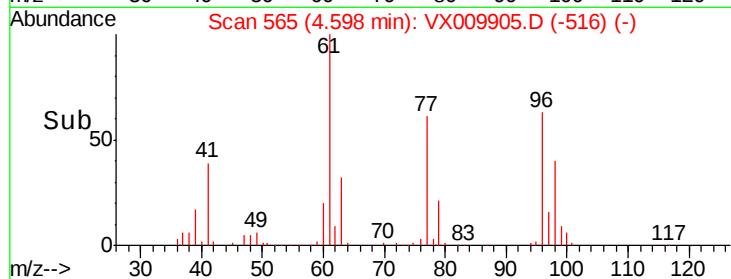
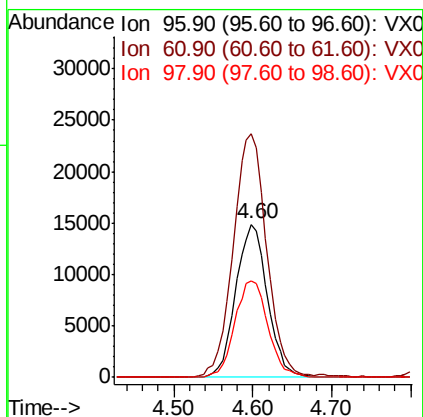
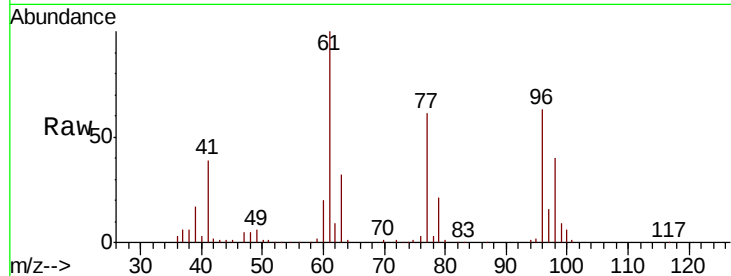


#27

cis-1,2-Dichloroethene
 Concen: 19.149 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX009905.D
 Acq: 28 May 2019 10:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

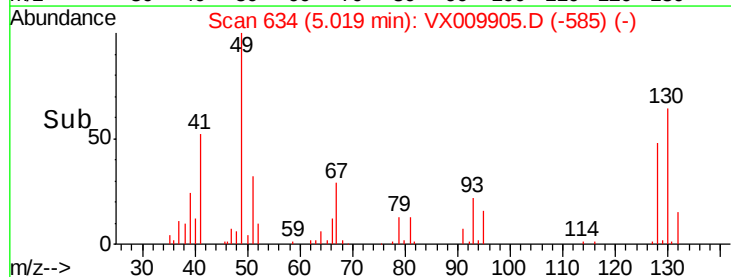
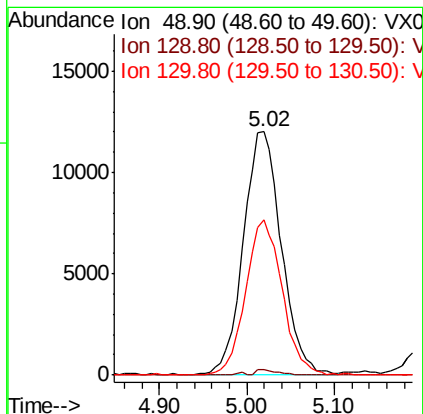
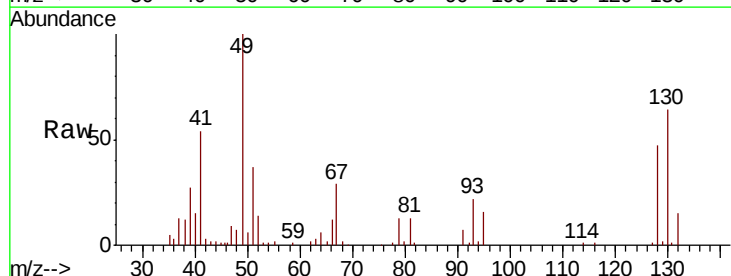
Tot Ion: 96 Resp: 41492
 Ion Ratio Lower Upper
 96 100
 61 168.0 0.0 334.0
 98 65.9 0.0 131.6

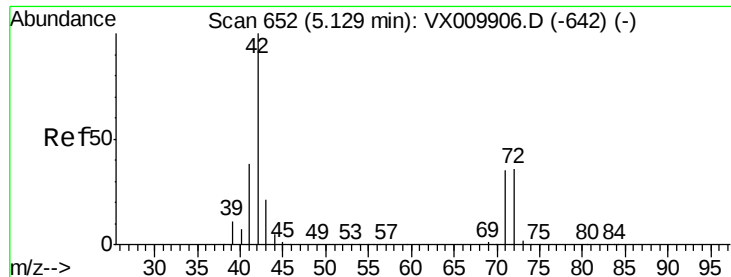


#28

Bromochloromethane
 Concen: 20.649 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. -0.00 min
 Lab File: VX009905.D
 Acq: 28 May 2019 10:44

Tgt Ion: 49 Resp: 36366
 Ion Ratio Lower Upper
 49 100
 129 1.2 0.0 3.4
 130 61.2 49.4 74.2





#29

Tetrahydrofuran

Concen: 103.728 ug/l

RT: 5.13 min Scan# 653

Delta R.T. 0.01 min

Lab File: VX009905.D

Acq: 28 May 2019 10:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

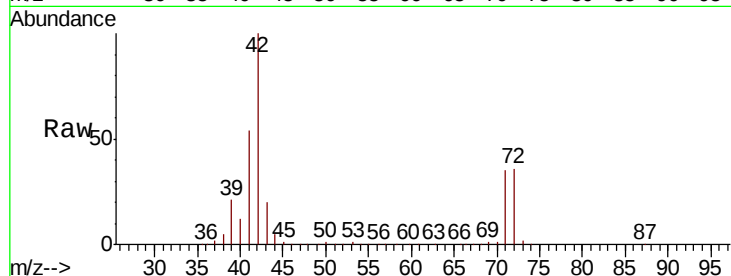
Tot Ion: 42 Resp: 136901

Ion Ratio Lower Upper

42 100

72 36.5 29.2 43.8

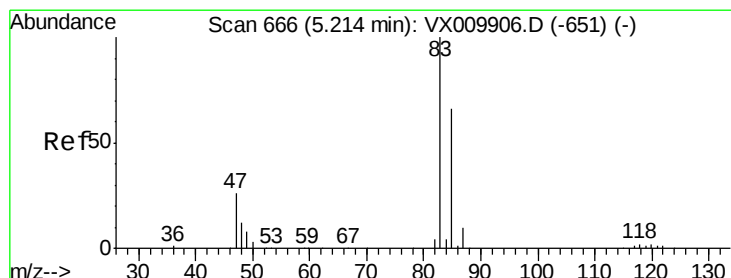
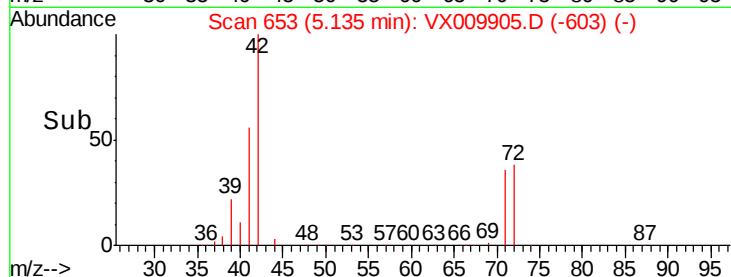
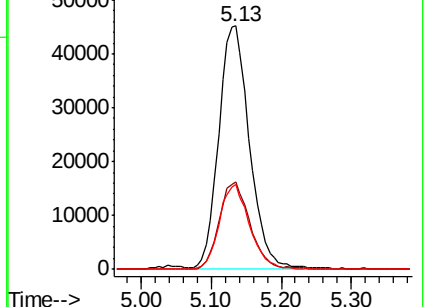
71 34.9 27.6 41.4



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 19.599 ug/l

RT: 5.21 min Scan# 665

Delta R.T. -0.01 min

Lab File: VX009905.D

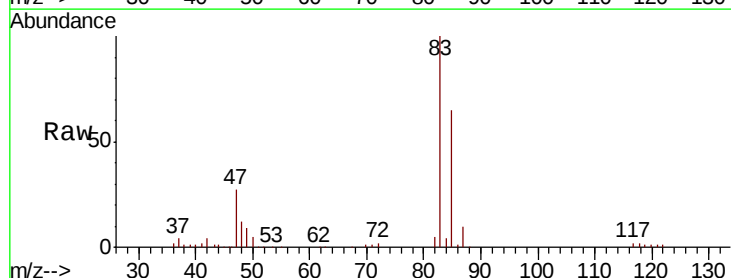
Acq: 28 May 2019 10:44

Tgt Ion: 83 Resp: 68745

Ion Ratio Lower Upper

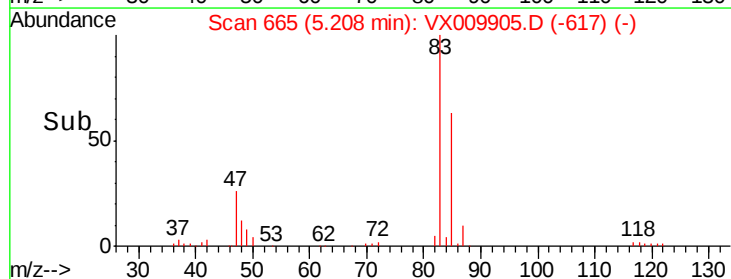
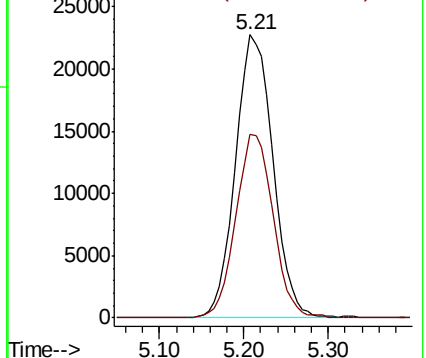
83 100

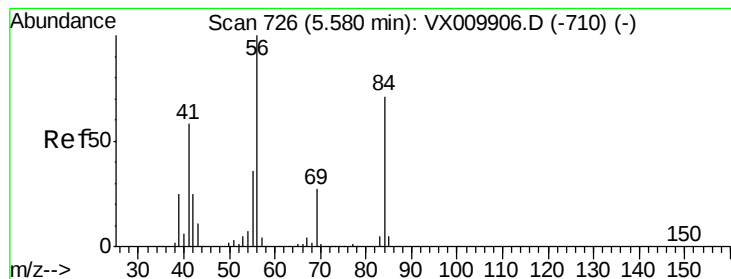
85 64.8 52.6 78.8



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 20.680 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX009905.D

Acq: 28 May 2019 10:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

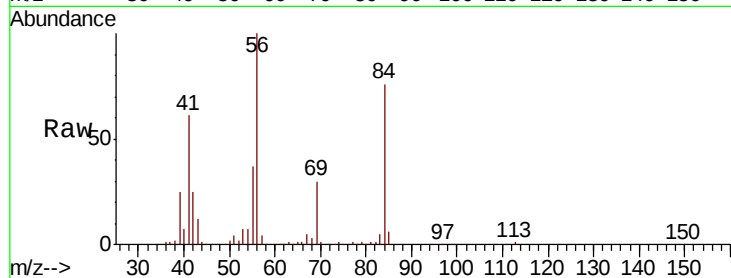
Tot Ion: 56 Resp: 75700

Ion Ratio Lower Upper

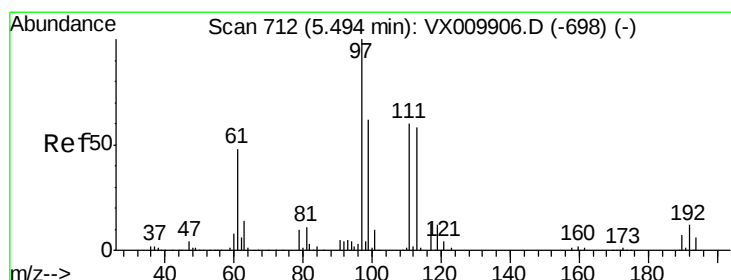
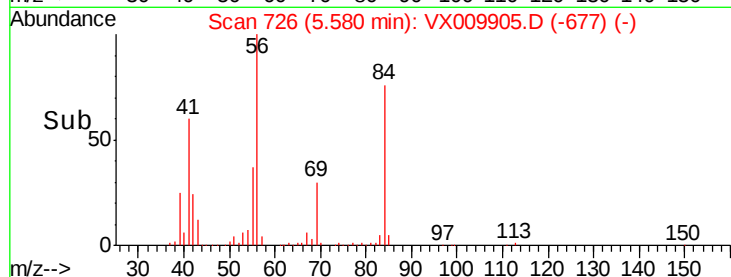
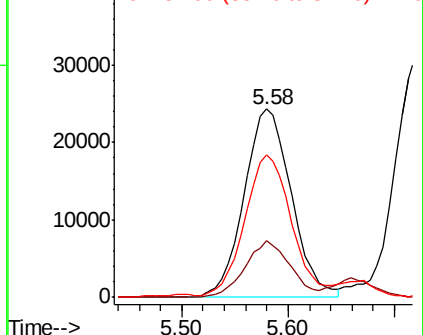
56 100

69 30.3 21.6 32.4

84 74.2 56.8 85.2



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 19.502 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009905.D

Acq: 28 May 2019 10:44

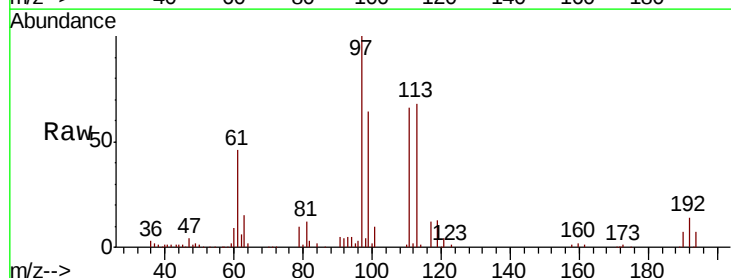
Tgt Ion: 97 Resp: 57081

Ion Ratio Lower Upper

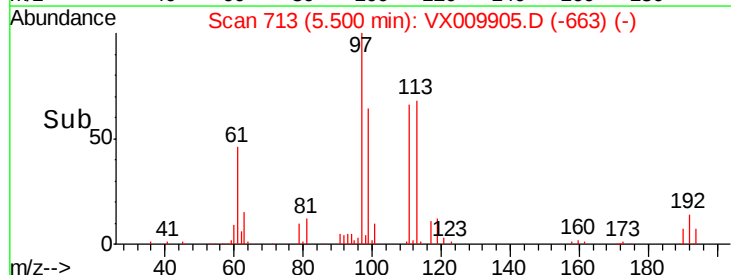
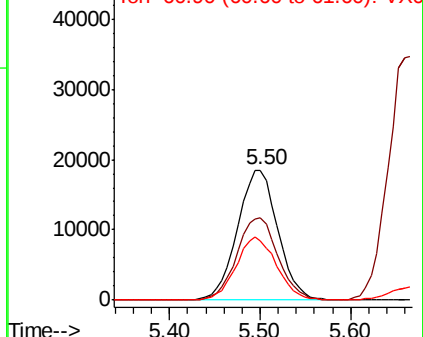
97 100

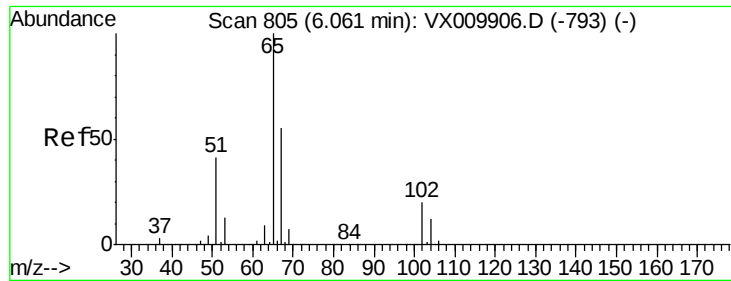
99 64.8 51.0 76.4

61 48.9 38.7 58.1



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 19.457 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX009905.D

Acq: 28 May 2019 10:44

Instrument :

MSVOA_X

ClientSampleId :

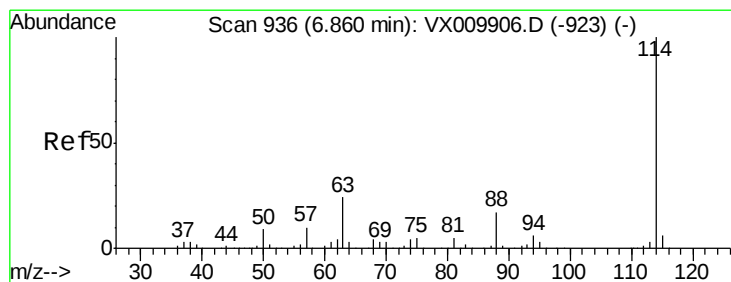
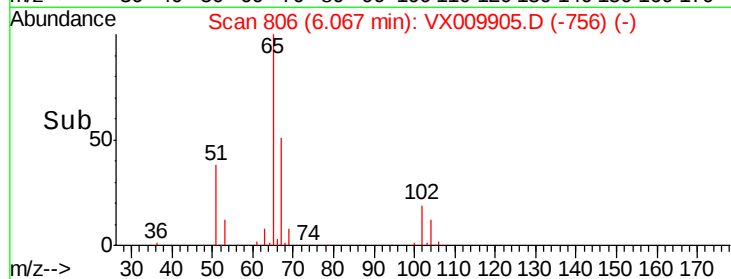
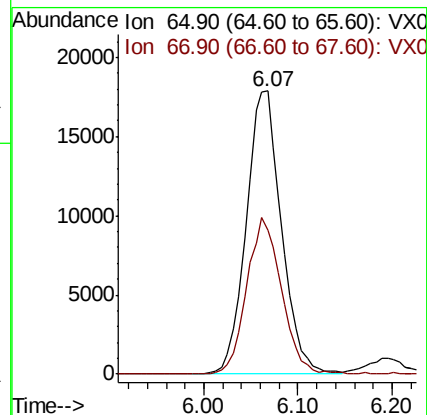
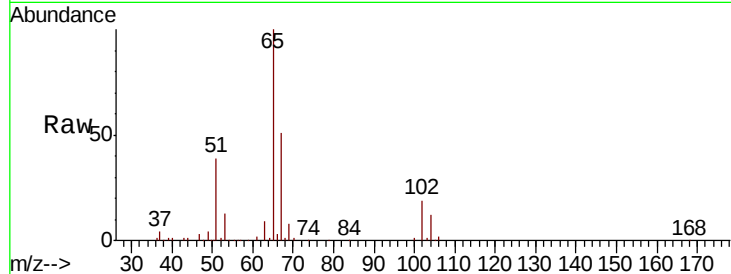
VSTDIC020

Tot Ion: 65 Resp: 46780

Ion Ratio Lower Upper

65 100

67 54.7 0.0 108.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX009905.D

Acq: 28 May 2019 10:44

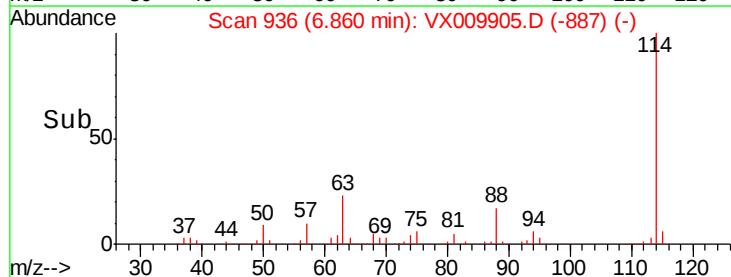
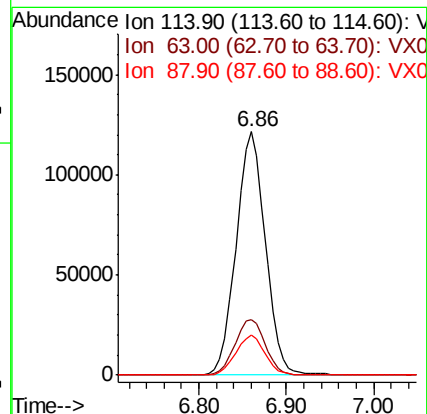
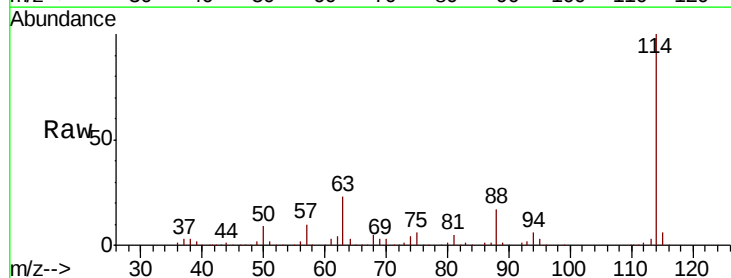
Tgt Ion: 114 Resp: 282499

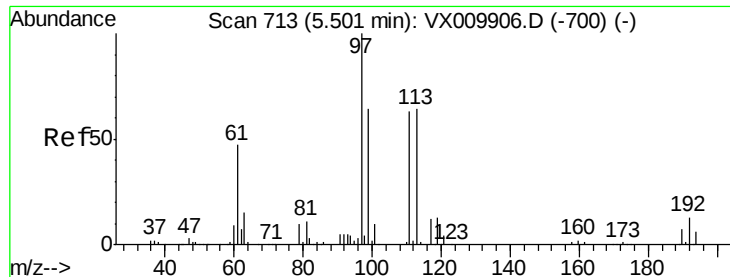
Ion Ratio Lower Upper

114 100

63 23.0 0.0 47.4

88 16.5 0.0 33.0





#35

Dibromofluoromethane

Concen: 19.622 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX009905.D

Acq: 28 May 2019 10:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

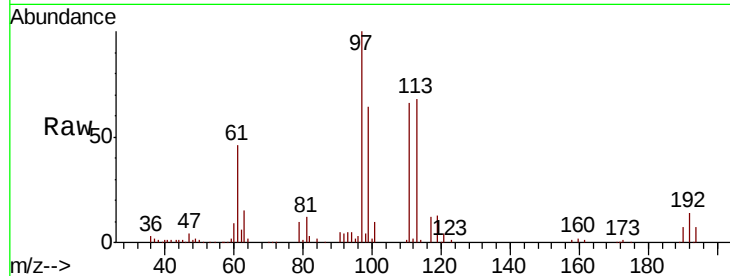
Tot Ion:113 Resp: 34537

Ion Ratio Lower Upper

113 100

111 103.6 82.2 123.2

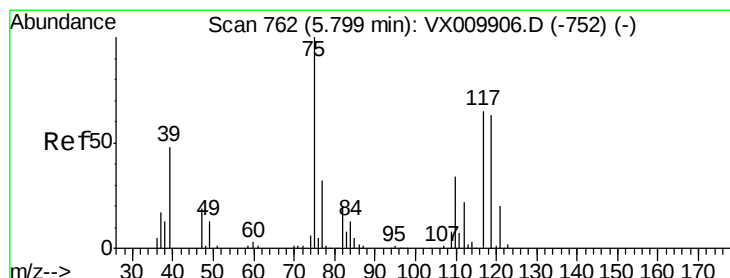
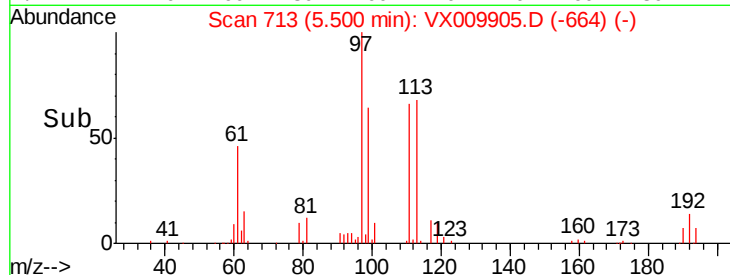
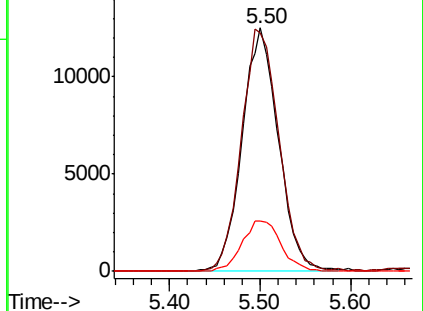
192 22.4 17.1 25.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.073 ug/l

RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

Lab File: VX009905.D

Acq: 28 May 2019 10:44

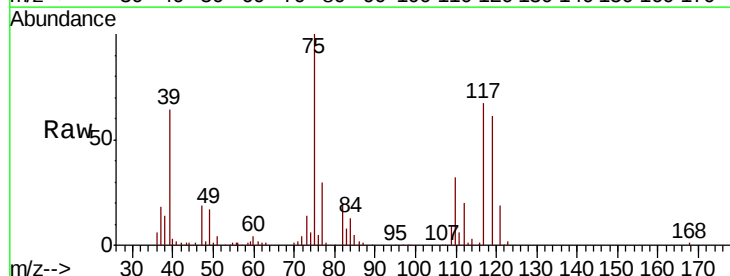
Tgt Ion: 75 Resp: 53346

Ion Ratio Lower Upper

75 100

110 33.4 16.7 50.1

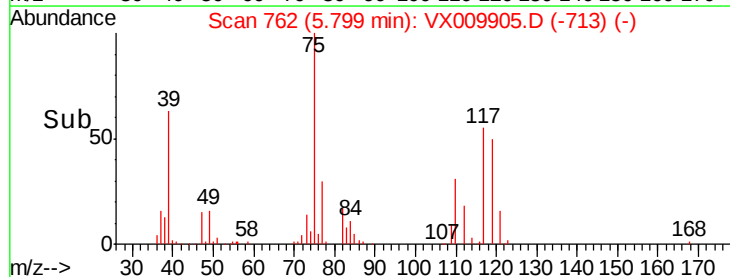
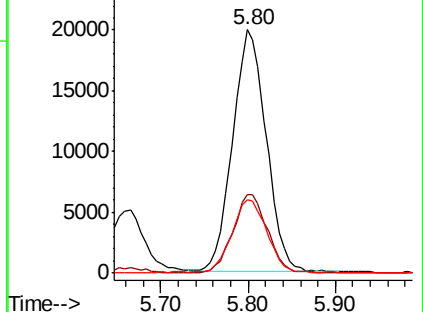
77 31.8 25.0 37.4

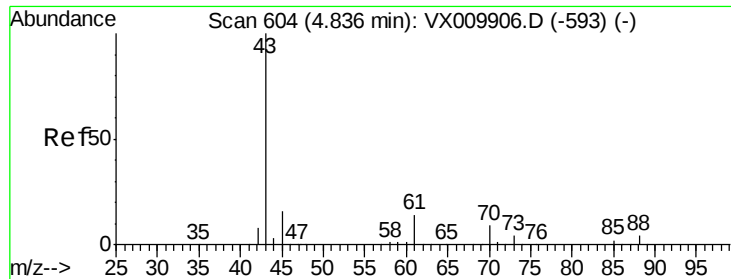


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

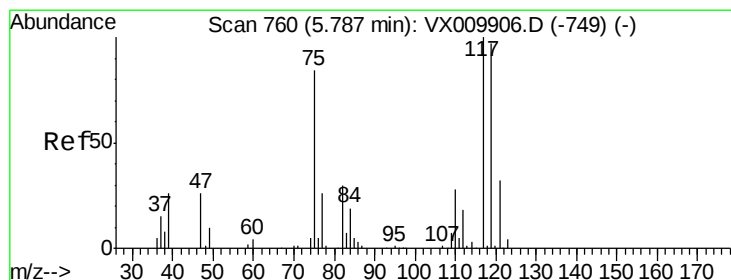
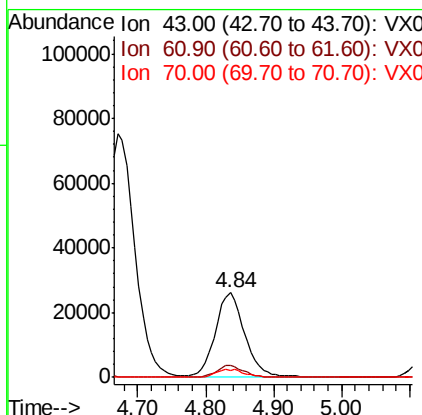
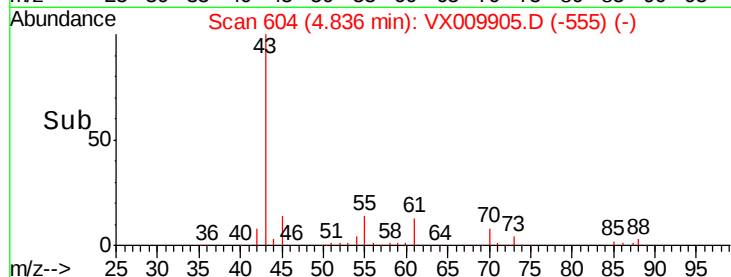
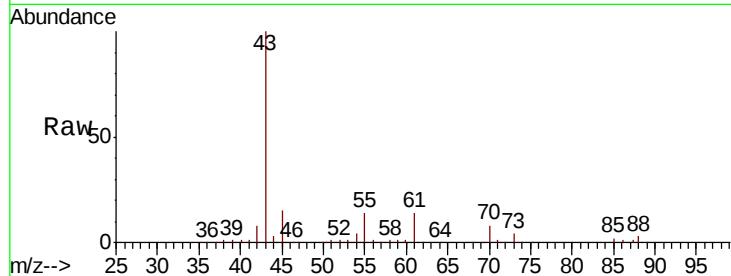




#37
Ethyl Acetate
Concen: 20.848 ug/l
RT: 4.84 min Scan# 604
Delta R.T. -0.00 min
Lab File: VX009905.D
Acq: 28 May 2019 10:44

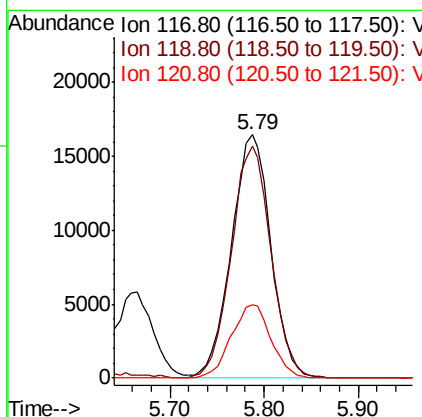
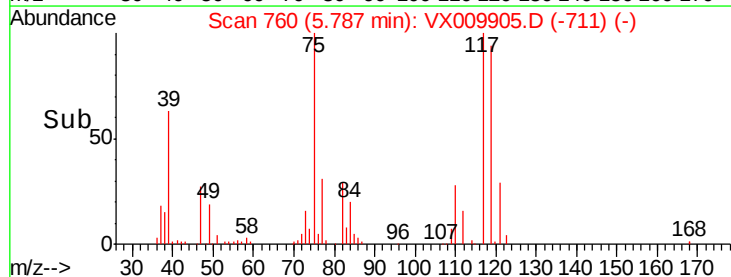
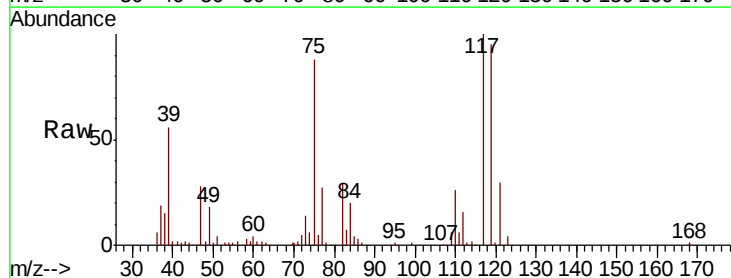
Instrument :
MSVOA_X
ClientSampleID :
VSTDIC020

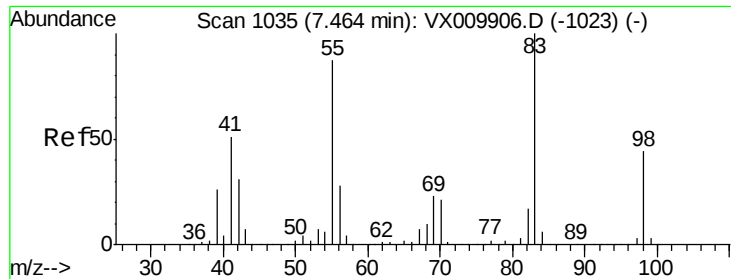
Tot Ion: 43 Resp: 77699
Ion Ratio Lower Upper
43 100
61 13.6 10.2 15.2
70 9.4 7.4 11.2



#38
Carbon Tetrachloride
Concen: 19.960 ug/l
RT: 5.79 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX009905.D
Acq: 28 May 2019 10:44

Tgt Ion: 117 Resp: 48167
Ion Ratio Lower Upper
117 100
119 94.8 77.3 115.9
121 30.0 25.4 38.0

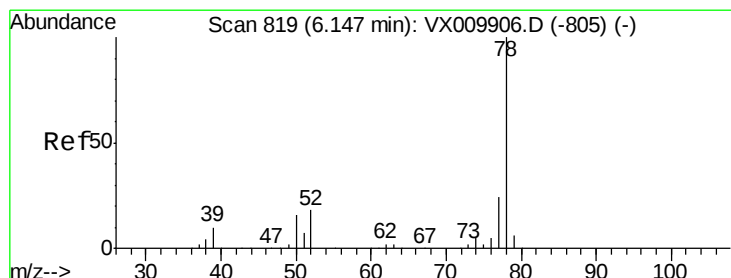
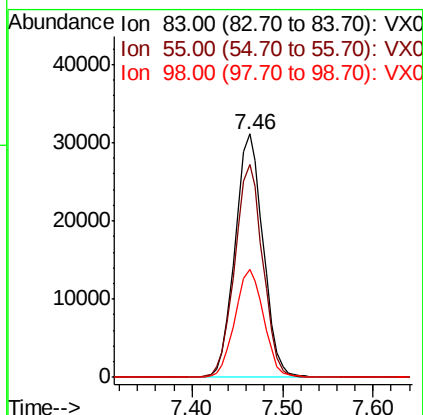
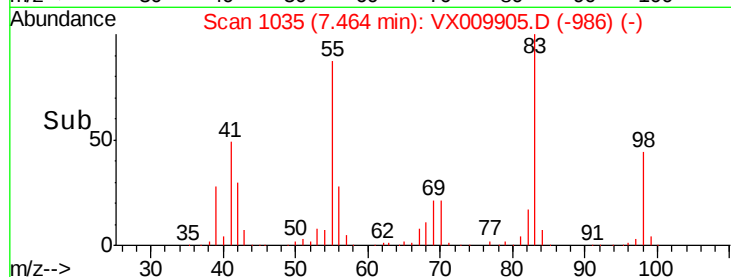
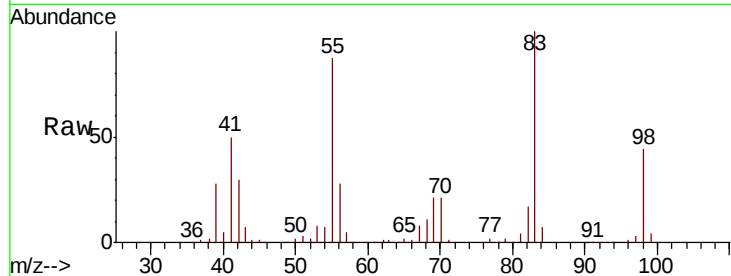




#39
Methvlcvclohexane
Concen: 20.374 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX009905.D
Acq: 28 May 2019 10:44

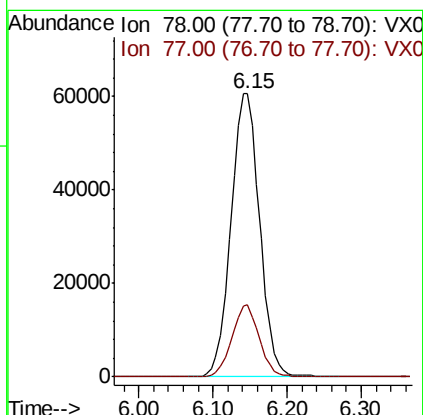
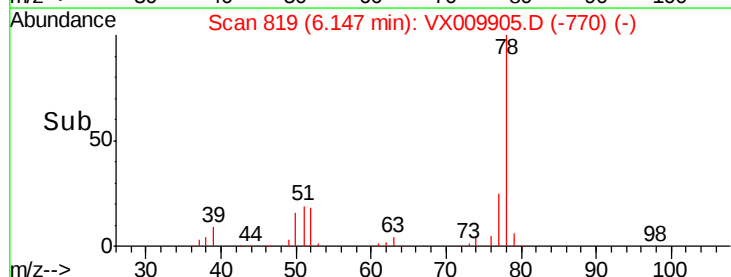
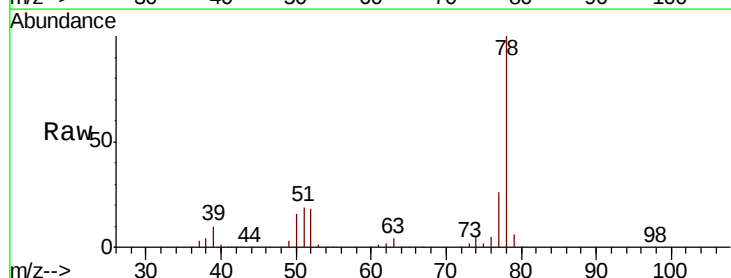
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

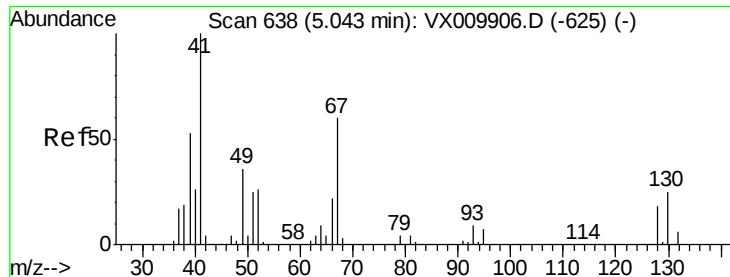
Tot Ion: 83 Resp: 66696
Ion Ratio Lower Upper
83 100
55 87.4 69.9 104.9
98 44.4 35.1 52.7



#40
Benzene
Concen: 19.901 ug/l
RT: 6.15 min Scan# 819
Delta R.T. -0.00 min
Lab File: VX009905.D
Acq: 28 May 2019 10:44

Tgt Ion: 78 Resp: 163275
Ion Ratio Lower Upper
78 100
77 25.6 19.2 28.8





#41

Methacrylonitrile

Concen: 19.693 ug/l

RT: 5.04 min Scan# 638

Delta R.T. -0.00 min

Lab File: VX009905.D

Acq: 28 May 2019 10:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 41 Resp: 43438

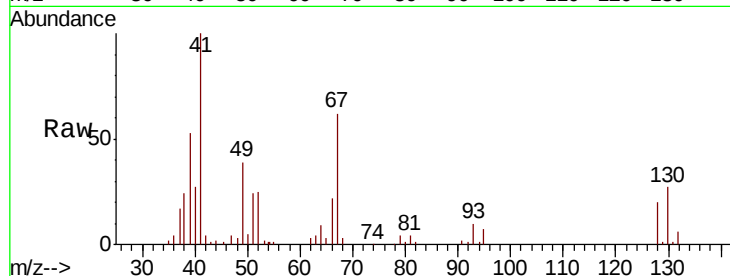
Ion Ratio Lower Upper

41 100

39 53.9 42.2 63.4

67 62.0 48.9 73.3

52 25.6 20.1 30.1

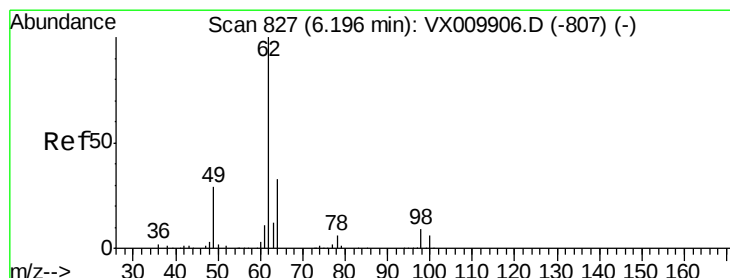
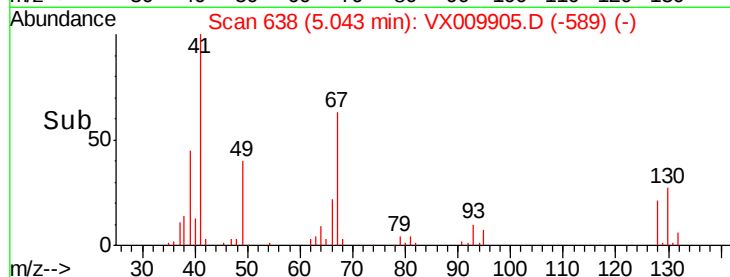
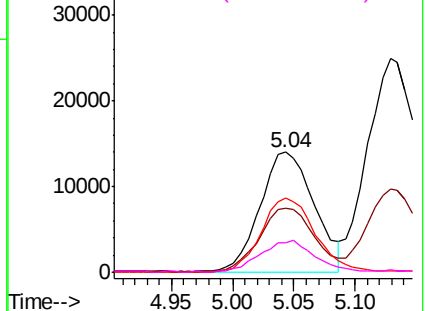


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 19.895 ug/l

RT: 6.20 min Scan# 827

Delta R.T. -0.00 min

Lab File: VX009905.D

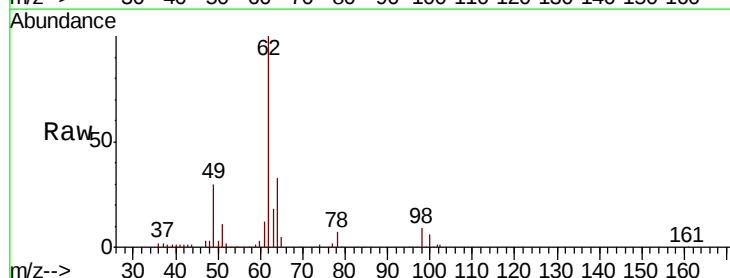
Acq: 28 May 2019 10:44

Tgt Ion: 62 Resp: 58785

Ion Ratio Lower Upper

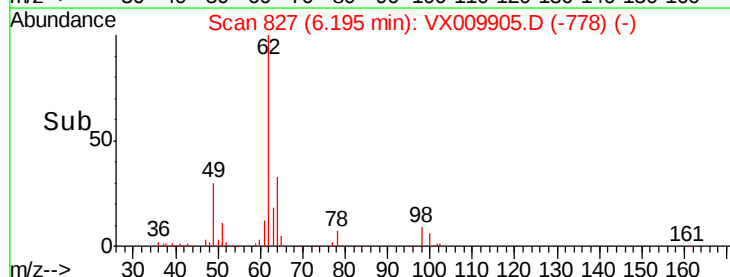
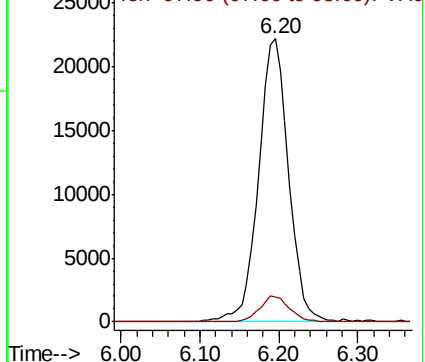
62 100

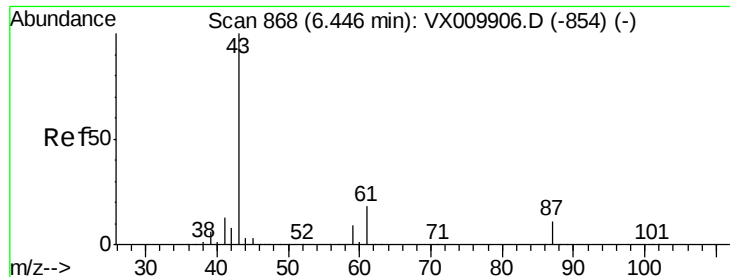
98 9.0 0.0 17.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



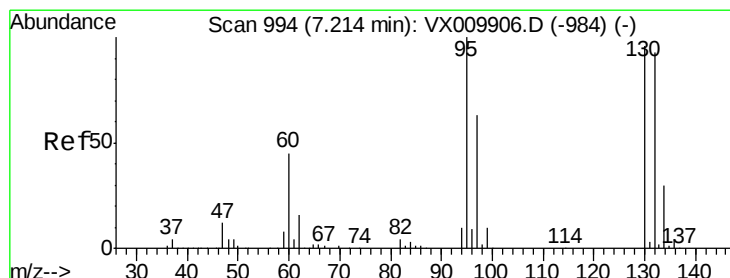
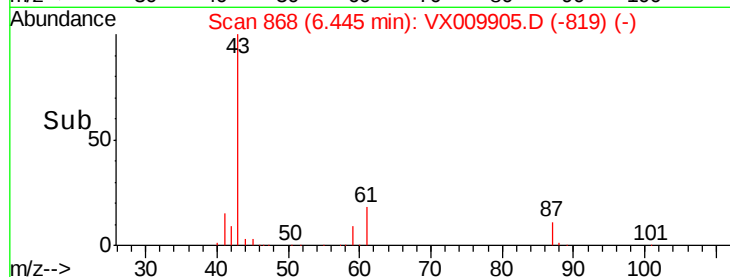
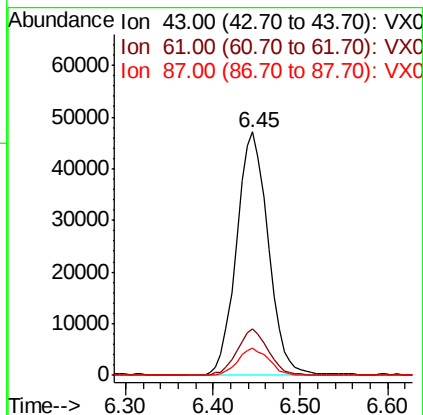
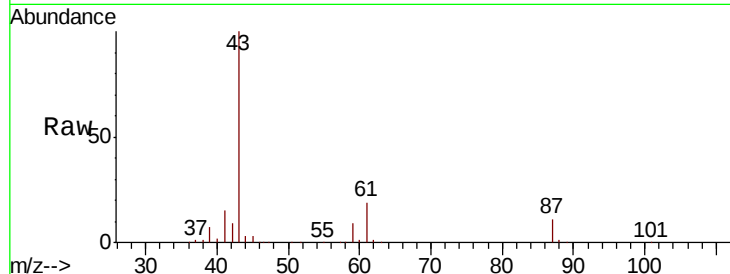


#43

Isopropyl Acetate
 Concen: 19.863 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. -0.00 min
 Lab File: VX009905.D
 Acq: 28 May 2019 10:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

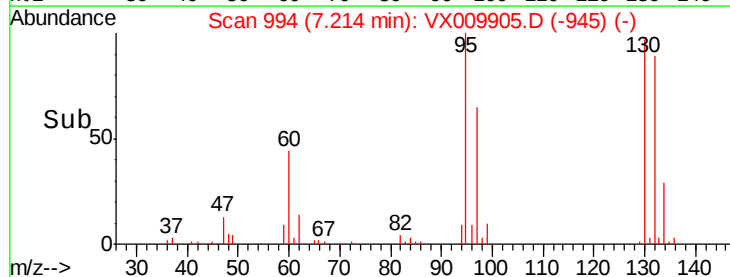
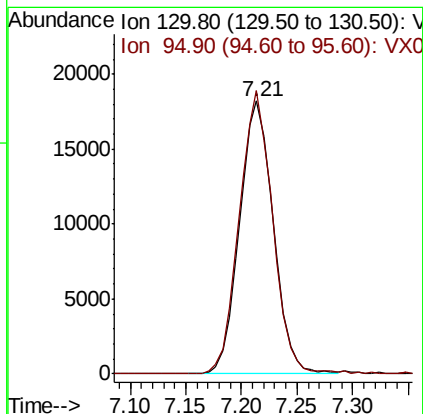
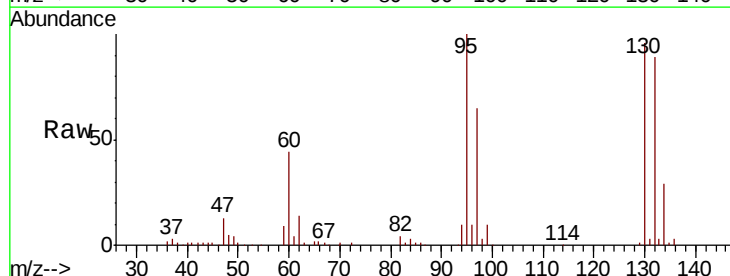
Tot Ion: 43 Resp: 118004
 Ion Ratio Lower Upper
 43 100
 61 18.9 14.6 21.8
 87 11.0 8.7 13.1

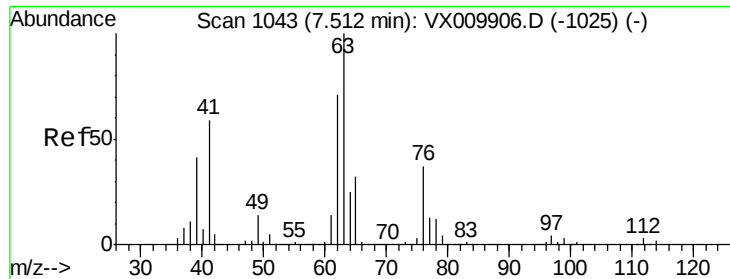


#44

Trichloroethene
 Concen: 19.381 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX009905.D
 Acq: 28 May 2019 10:44

Tgt Ion:130 Resp: 38385
 Ion Ratio Lower Upper
 130 100
 95 103.7 0.0 207.4





#45

1,2-Dichloropropane

Concen: 19.926 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX009905.D

Acq: 28 May 2019 10:44

Instrument :

MSVOA_X

ClientSampleId :

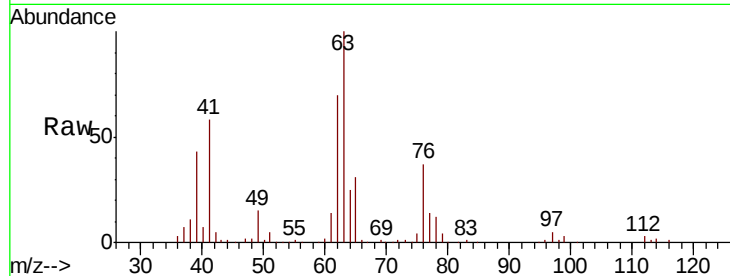
VSTDIC020

Tot Ion: 63 Resp: 46282

Ion Ratio Lower Upper

63 100

65 30.9 25.7 38.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.51

25000

20000

15000

10000

5000

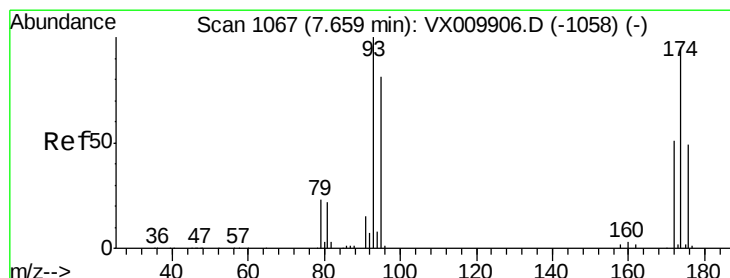
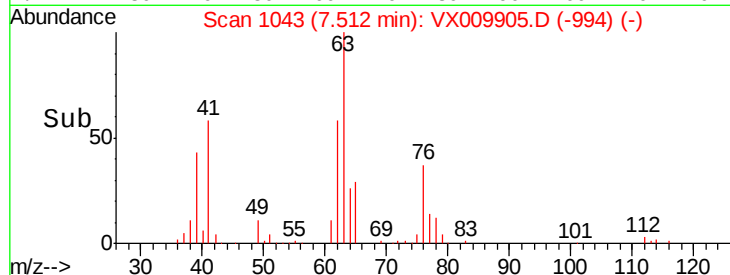
0

7.40

7.50

7.60

Time-->



#46

Dibromomethane

Concen: 19.320 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX009905.D

Acq: 28 May 2019 10:44

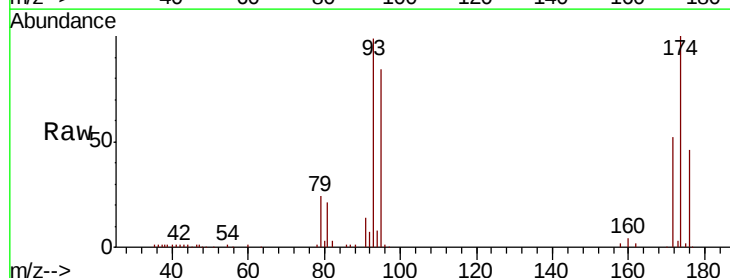
Tgt Ion: 93 Resp: 26045

Ion Ratio Lower Upper

93 100

95 83.2 66.8 100.2

174 103.6 81.9 122.9



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

15000

10000

5000

0

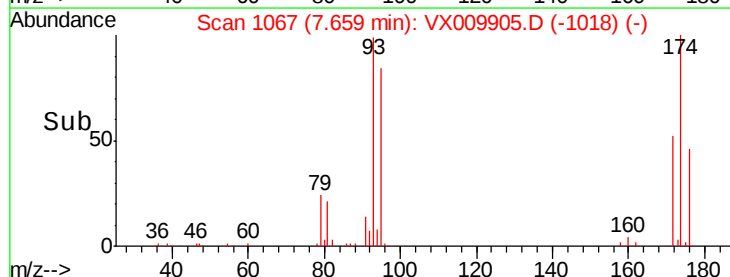
7.60

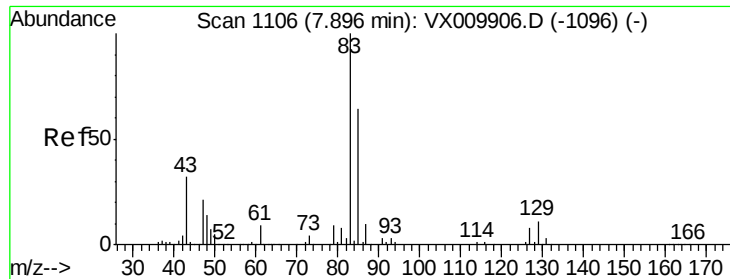
7.65

7.70

7.75

Time-->

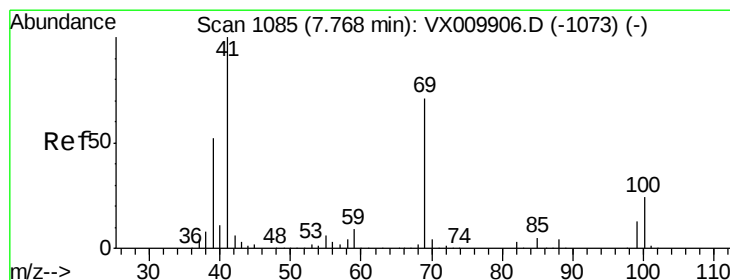
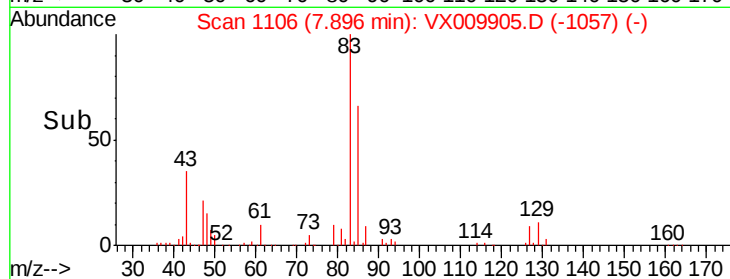
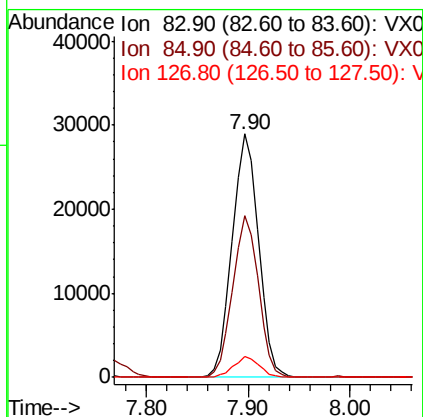
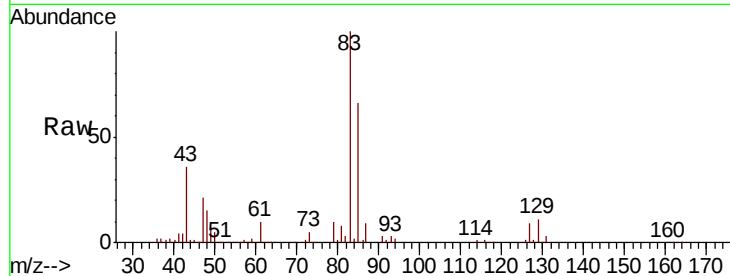




#47
Bromodichloromethane
Concen: 19.311 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VX009905.D
Acq: 28 May 2019 10:44

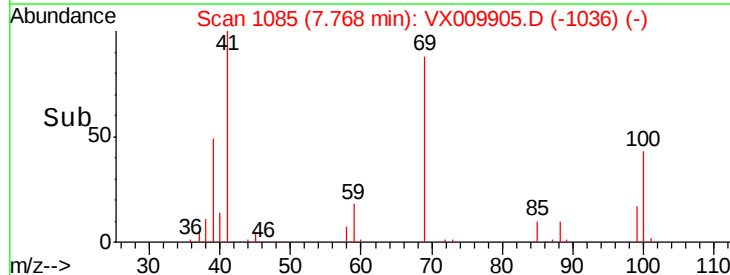
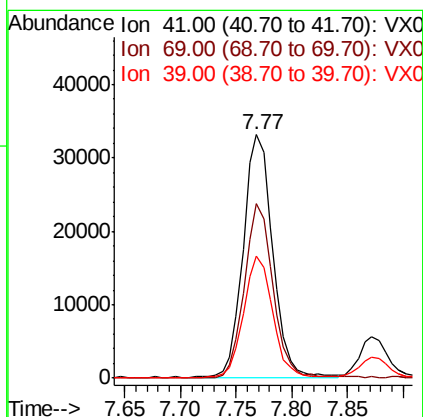
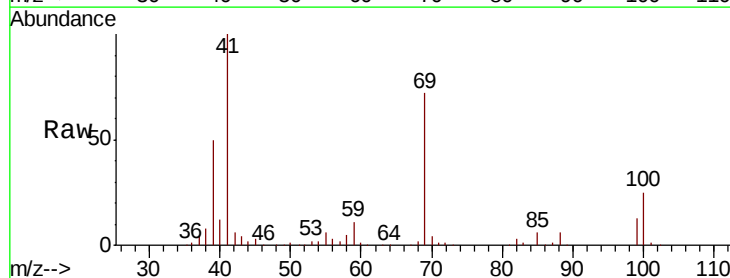
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

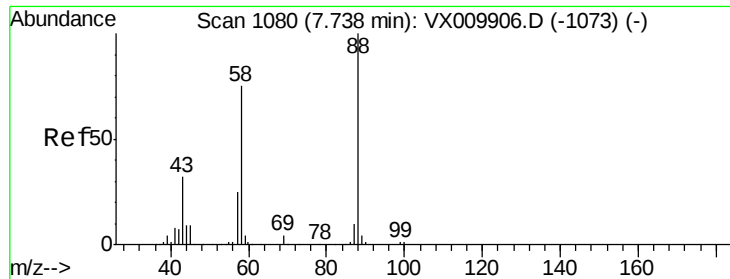
Tot Ion: 83 Resp: 51833
Ion Ratio Lower Upper
83 100
85 66.2 51.4 77.2
127 8.7 6.4 9.6



#48
Methyl methacrylate
Concen: 20.526 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. -0.00 min
Lab File: VX009905.D
Acq: 28 May 2019 10:44

Tgt Ion: 41 Resp: 60706
Ion Ratio Lower Upper
41 100
69 70.5 56.4 84.6
39 50.7 40.6 60.8





#49

1,4-Dioxane

Concen: 394.528 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.00 min

Lab File: VX009905.D

Acq: 28 May 2019 10:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

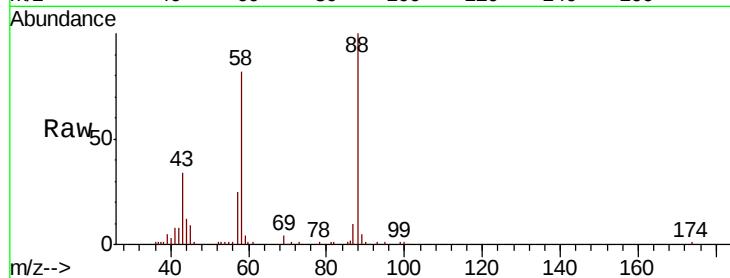
Tot Ion: 88 Resp: 23346

Ion Ratio Lower Upper

88 100

43 37.9 30.2 45.4

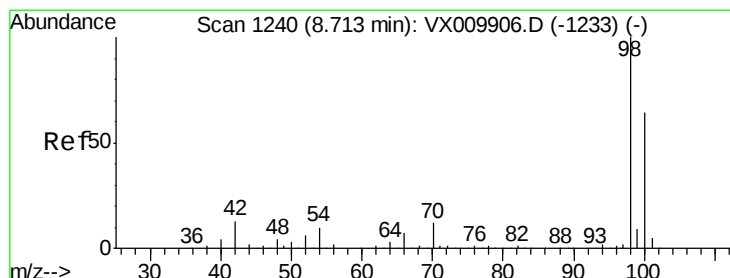
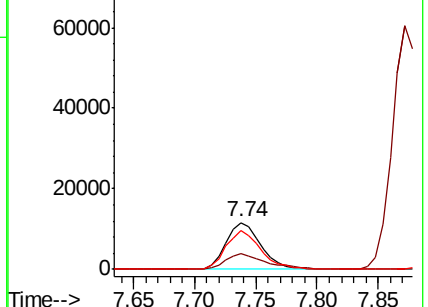
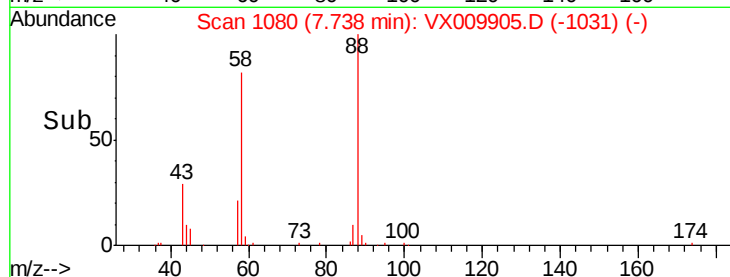
58 82.5 64.0 96.0



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 19.487 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009905.D

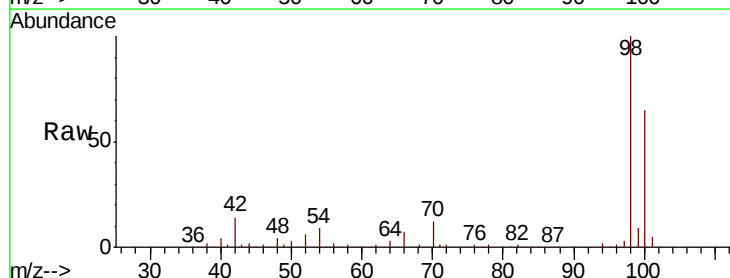
Acq: 28 May 2019 10:44

Tgt Ion: 98 Resp: 138797

Ion Ratio Lower Upper

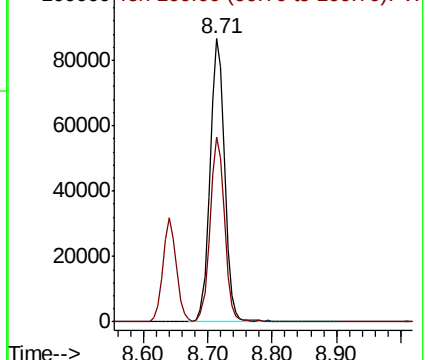
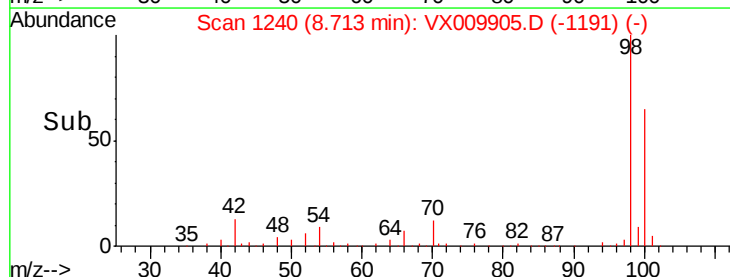
98 100

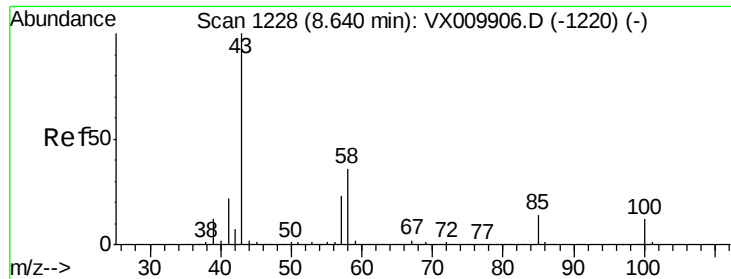
100 63.6 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 102.649 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX009905.D

Acq: 28 May 2019 10:44

Instrument :

MSVOA_X

ClientSampled :

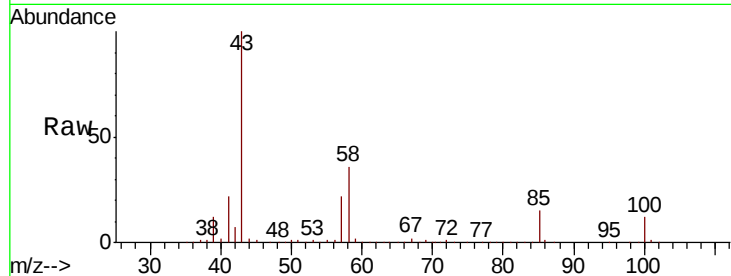
VSTDIC020

Tot Ion: 43 Resp: 399622

Ion Ratio Lower Upper

43 100

58 35.8 28.8 43.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.64

250000

200000

150000

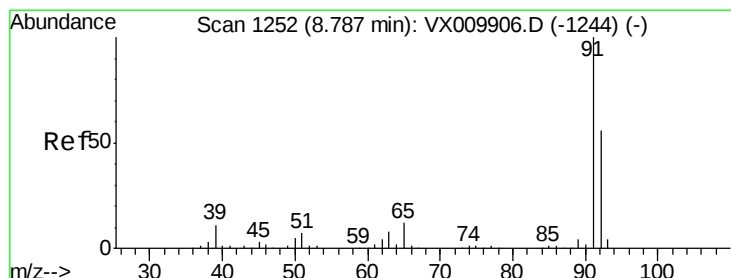
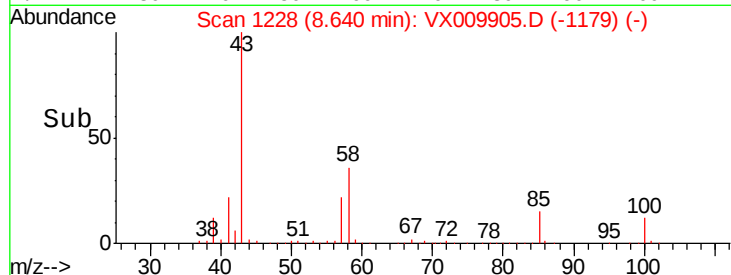
100000

50000

0

8.60 8.70 8.80

Time-->



#52

Toluene

Concen: 19.639 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX009905.D

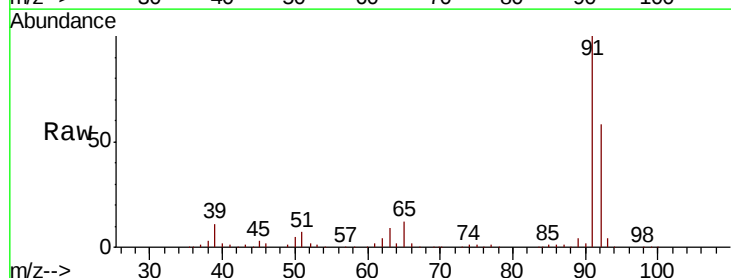
Acq: 28 May 2019 10:44

Tgt Ion: 92 Resp: 97967

Ion Ratio Lower Upper

92 100

91 176.1 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

120000

100000

80000

60000

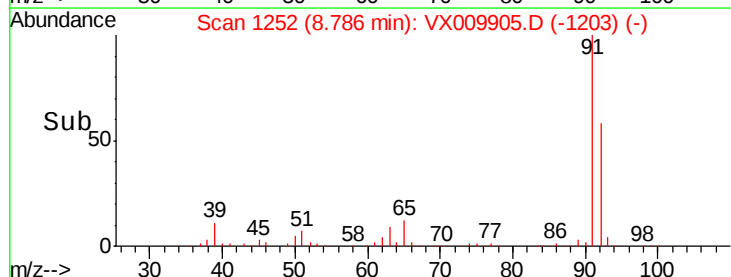
40000

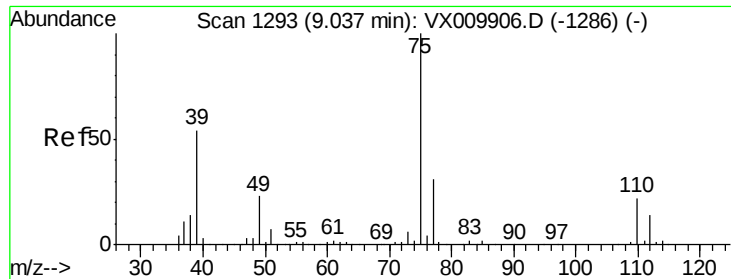
20000

0

8.70 8.75 8.80 8.85

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.937 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.01 min

Lab File: VX009905.D

Acq: 28 May 2019 10:44

Instrument :

MSVOA_X

ClientSampleId :

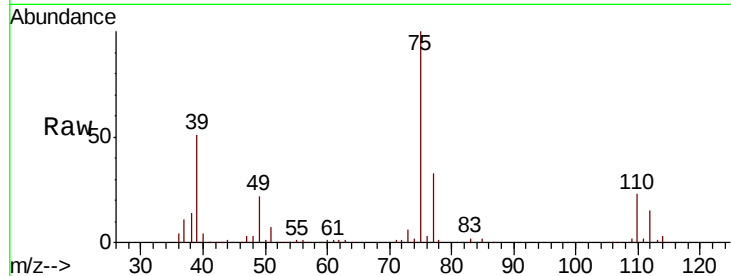
VSTDIC020

Tot Ion: 75 Resp: 60900

Ion Ratio Lower Upper

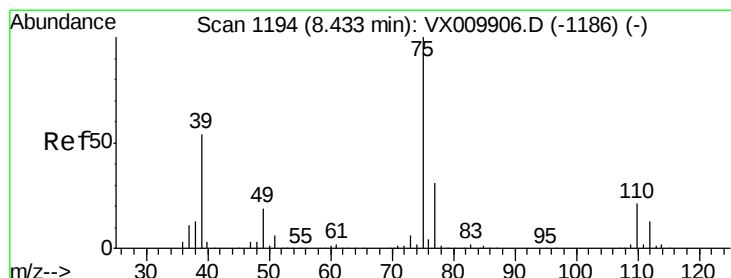
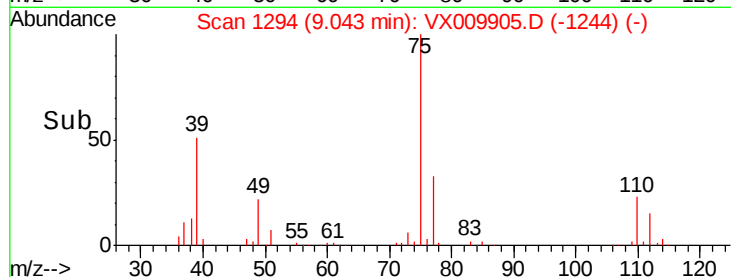
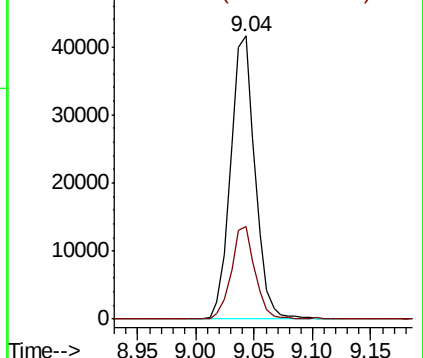
75 100

77 32.8 24.6 36.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 20.185 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX009905.D

Acq: 28 May 2019 10:44

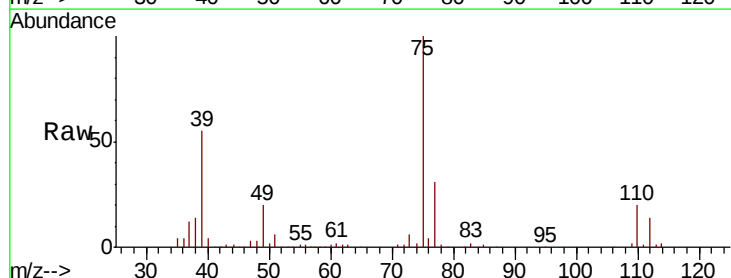
Tgt Ion: 75 Resp: 67980

Ion Ratio Lower Upper

75 100

77 30.5 24.8 37.2

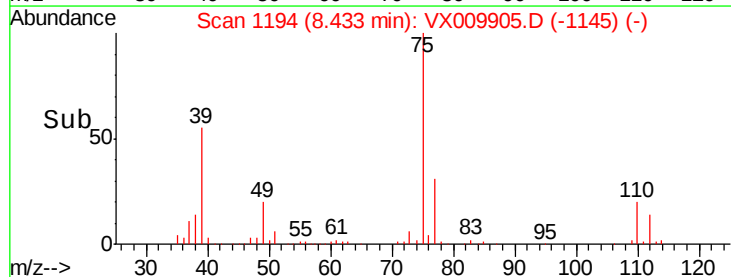
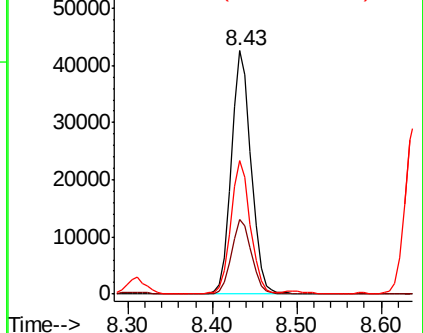
39 54.9 43.4 65.0

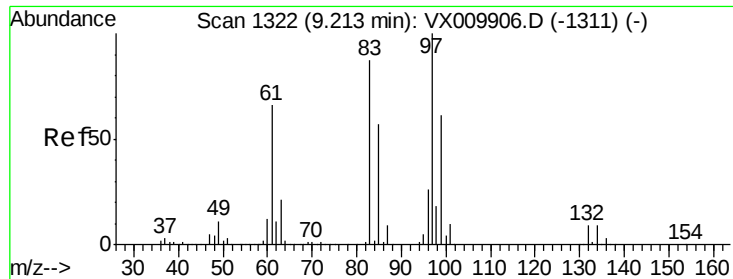


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





#55

1,1,2-Trichloroethane

Concen: 19.348 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX009905.D

Acq: 28 May 2019 10:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 97 Resp: 39174

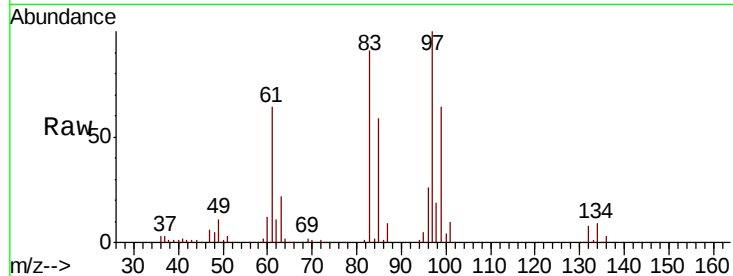
Ion Ratio Lower Upper

97 100

83 90.6 69.8 104.8

85 58.9 45.3 67.9

99 63.5 49.0 73.4



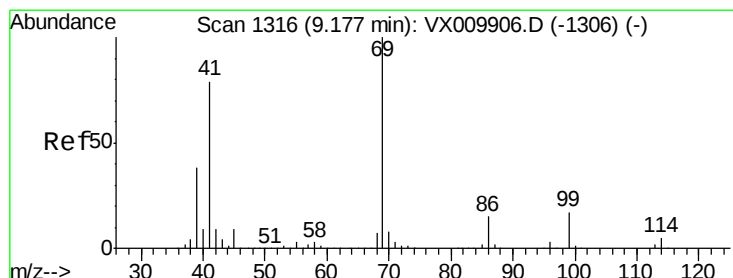
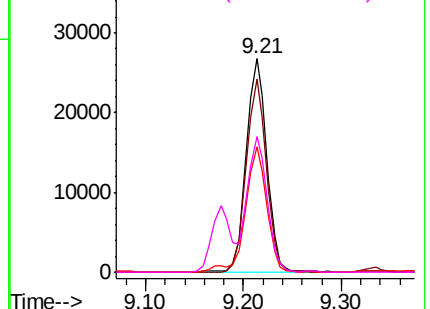
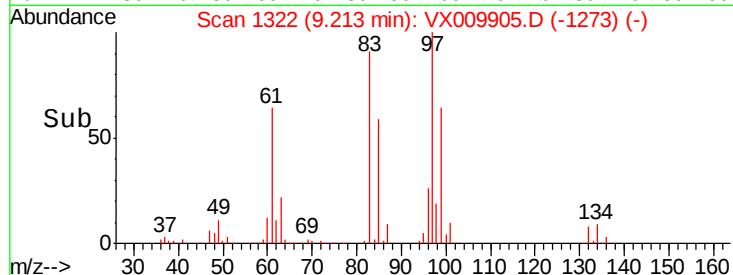
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 19.148 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX009905.D

Acq: 28 May 2019 10:44

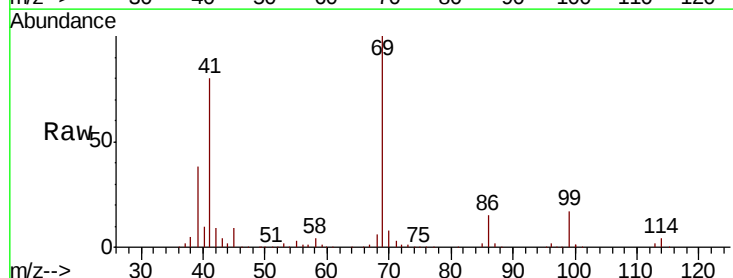
Tgt Ion: 69 Resp: 69700

Ion Ratio Lower Upper

69 100

41 79.3 62.7 94.1

39 36.8 29.5 44.3

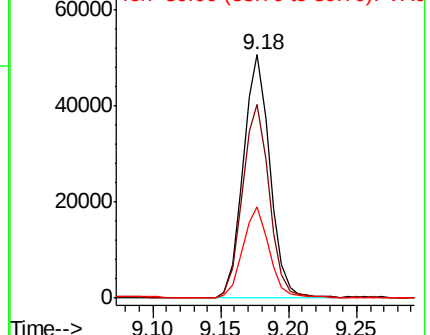
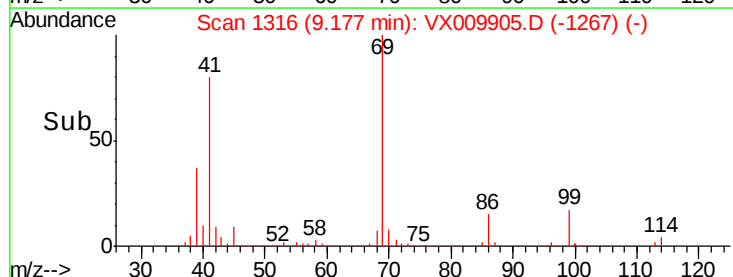


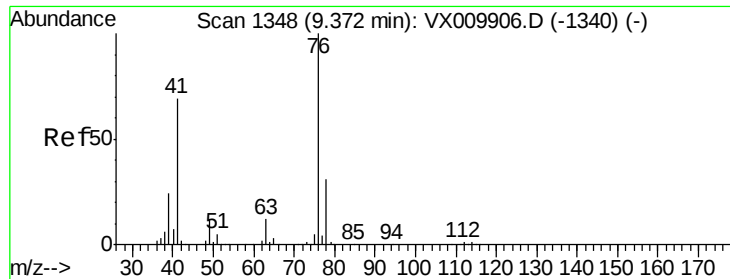
Abundance

Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 19.726 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX009905.D

Acq: 28 May 2019 10:44

Instrument :

MSVOA_X

ClientSampleId :

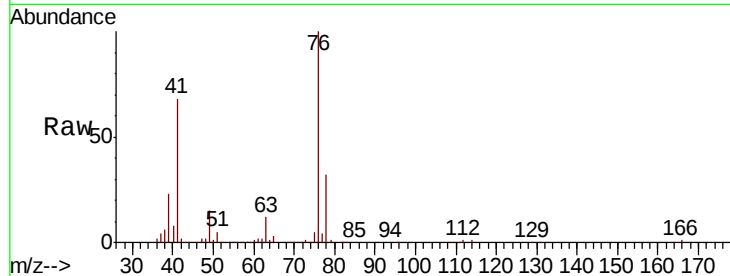
VSTDIC020

Tot Ion: 76 Resp: 70594

Ion Ratio Lower Upper

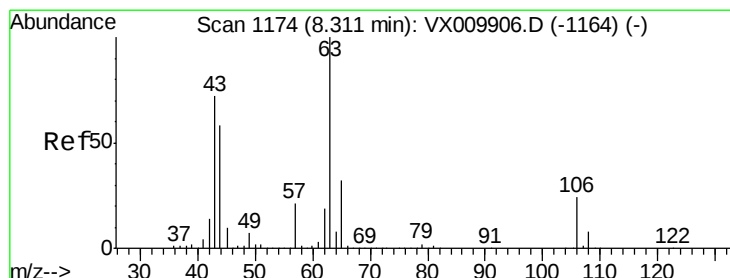
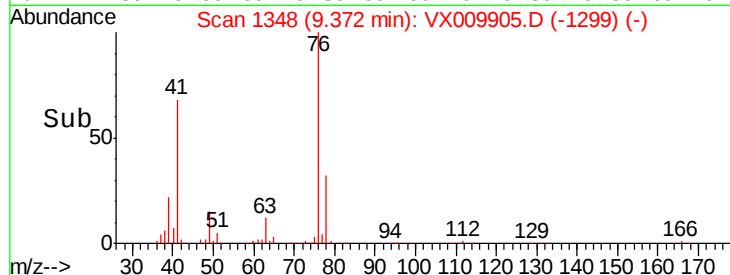
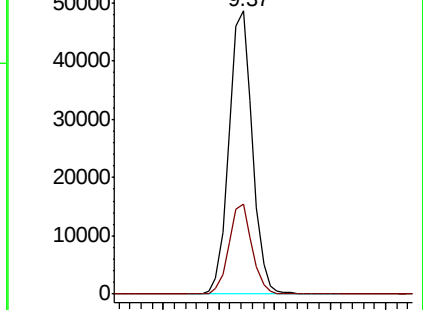
76 100

78 31.3 25.4 38.0



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 99.529 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX009905.D

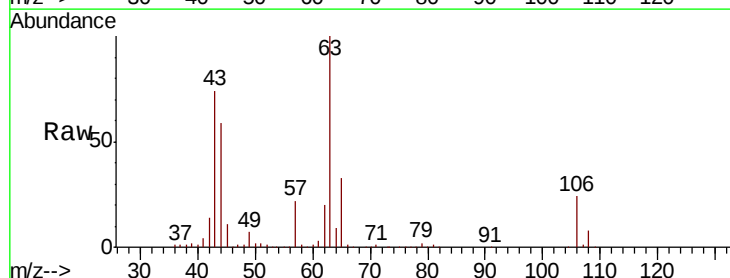
Acq: 28 May 2019 10:44

Tgt Ion: 63 Resp: 190207

Ion Ratio Lower Upper

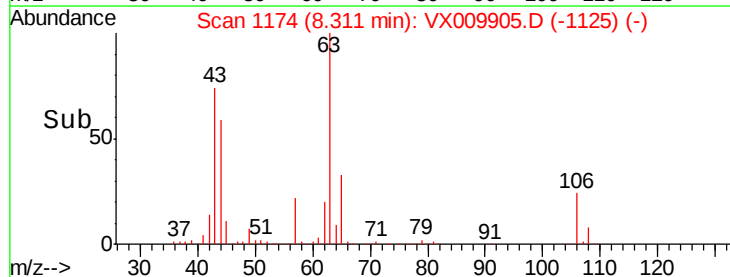
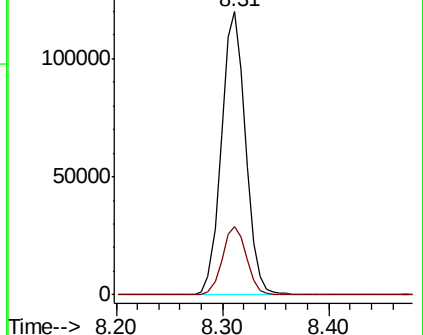
63 100

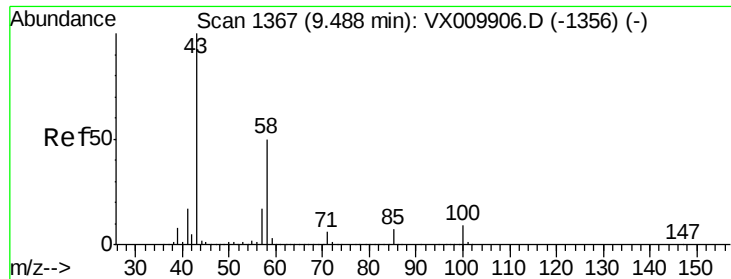
106 24.3 19.4 29.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

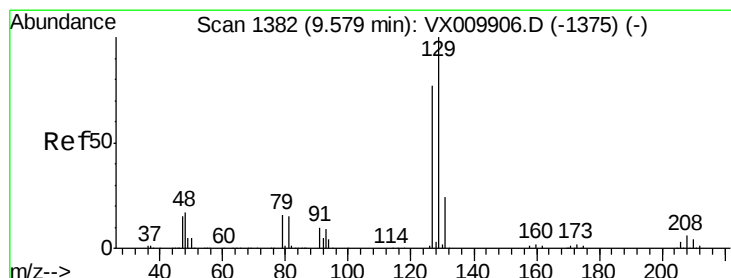
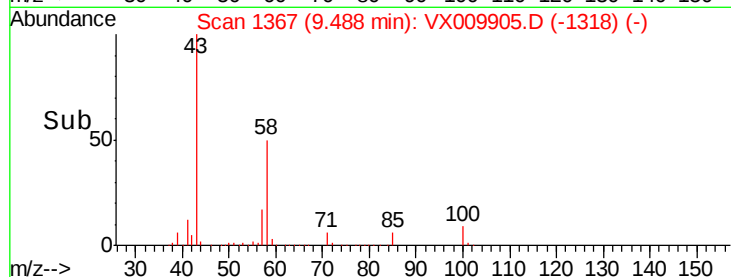
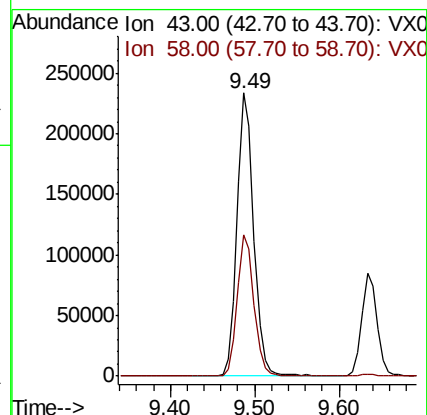
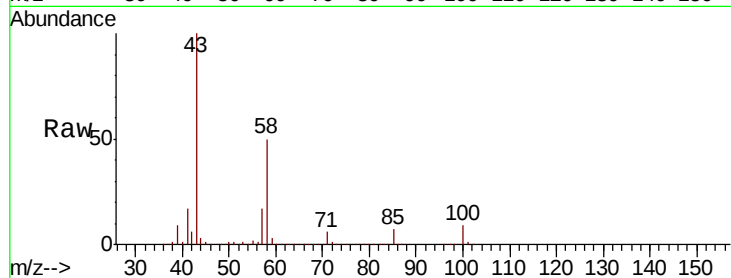




#59
2-Hexanone
Concen: 103.166 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX009905.D
Acq: 28 May 2019 10:44

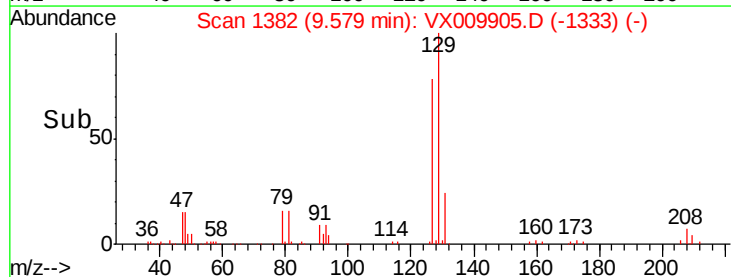
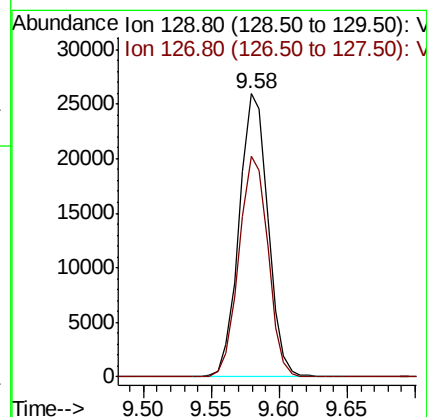
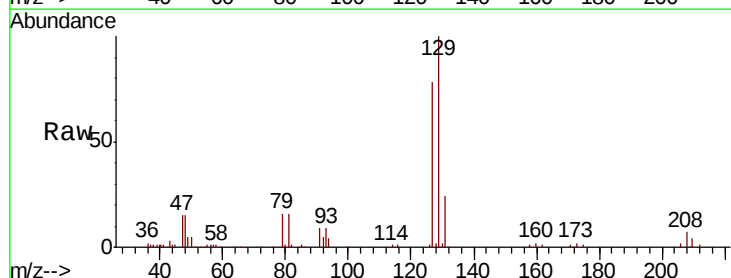
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

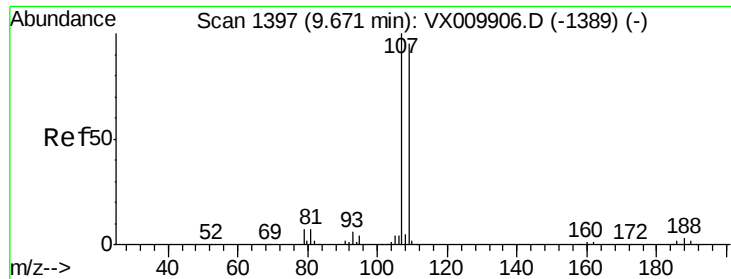
Tot Ion: 43 Resp: 315150
Ion Ratio Lower Upper
43 100
58 50.1 25.1 75.3



#60
Dibromochloromethane
Concen: 19.376 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX009905.D
Acq: 28 May 2019 10:44

Tgt Ion:129 Resp: 38463
Ion Ratio Lower Upper
129 100
127 78.3 38.5 115.5





#61

1,2-Dibromoethane

Concen: 19.636 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX009905.D

Acq: 28 May 2019 10:44

Instrument :

MSVOA_X

ClientSampleId :

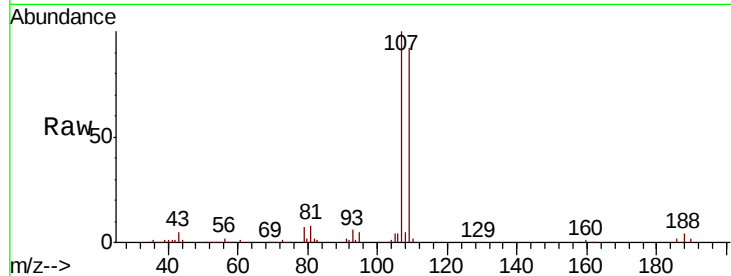
VSTDIC020

Tot Ion:107 Resp: 40197

Ion Ratio Lower Upper

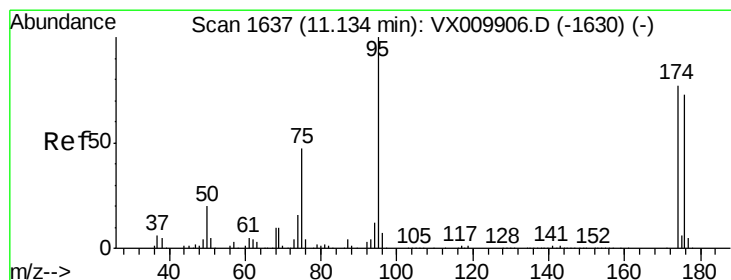
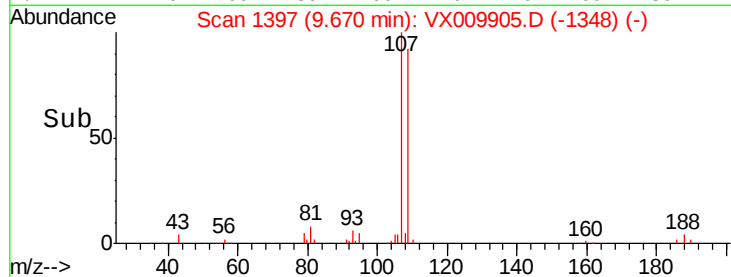
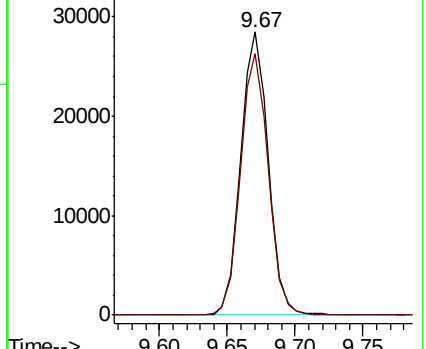
107 100

109 93.2 75.4 113.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 18.833 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009905.D

Acq: 28 May 2019 10:44

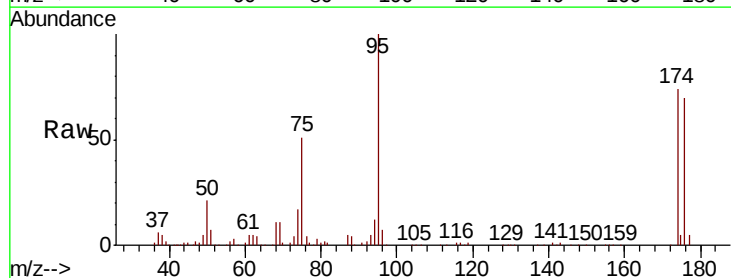
Tgt Ion: 95 Resp: 48865

Ion Ratio Lower Upper

95 100

174 80.4 0.0 160.4

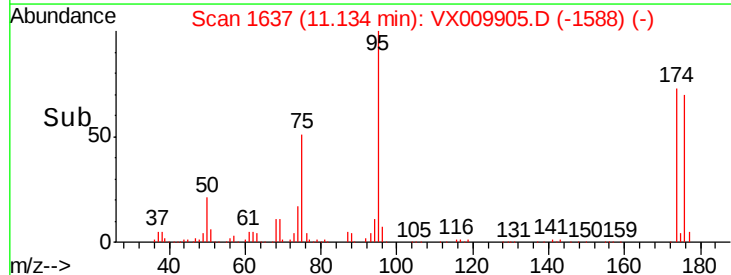
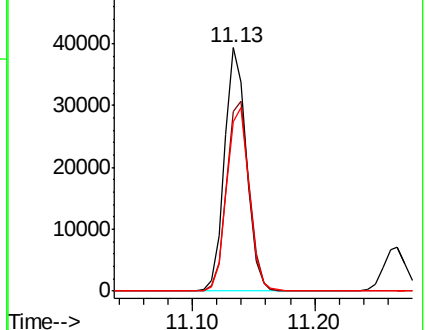
176 76.8 0.0 154.6

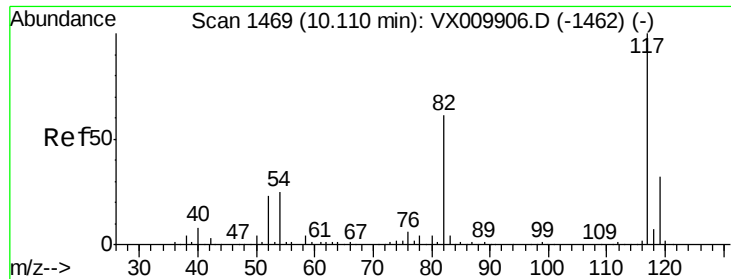


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

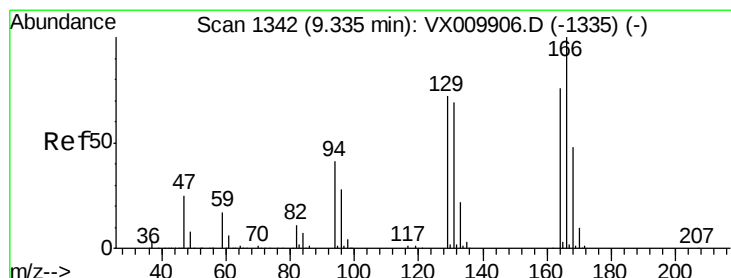
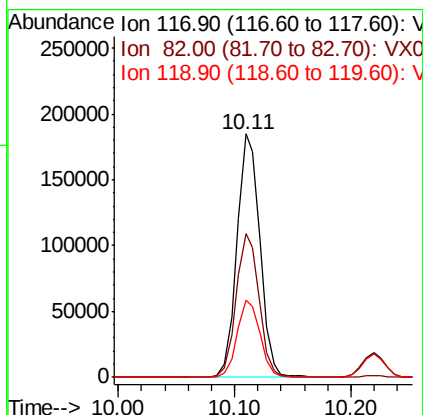
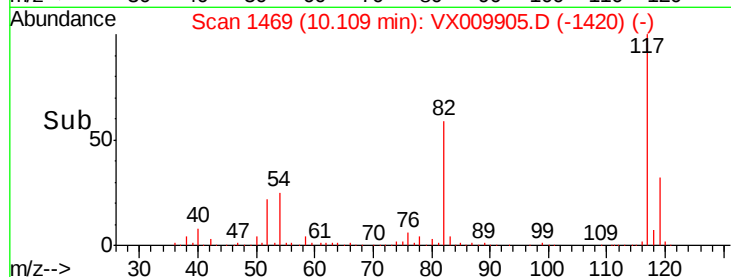
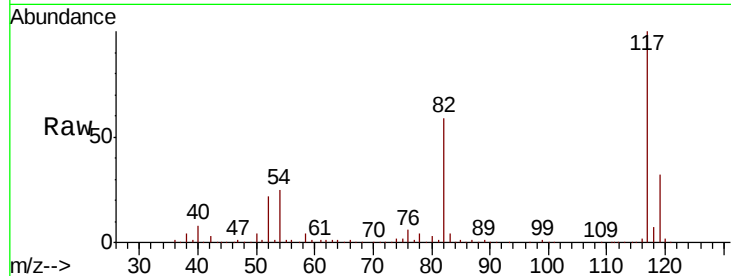




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009905.D
Acq: 28 May 2019 10:44

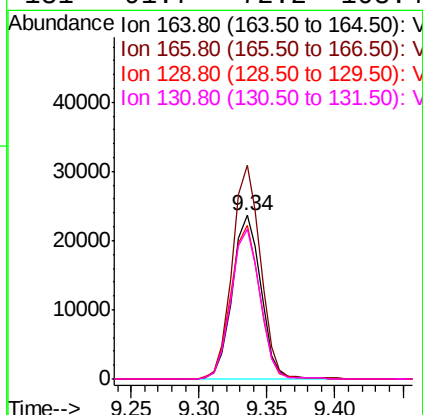
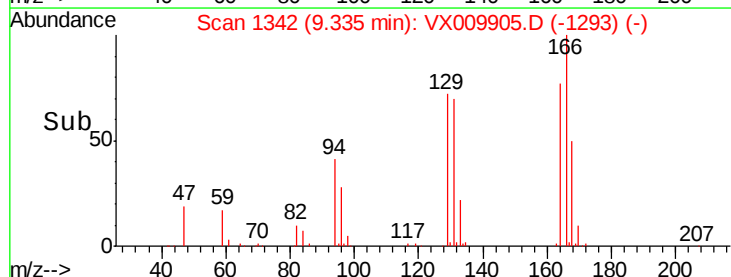
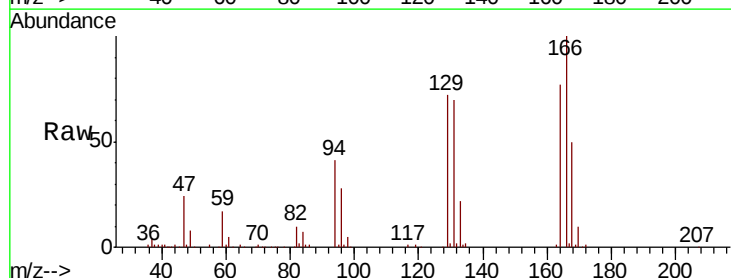
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

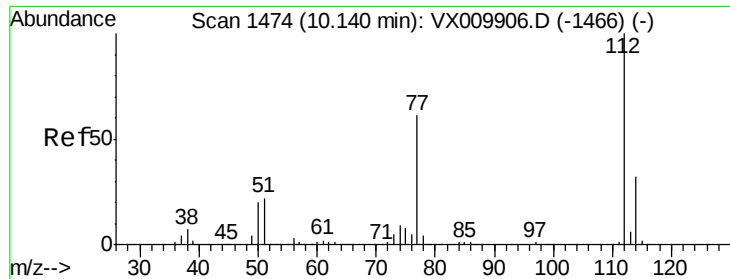
Tot Ion:117 Resp: 254428
Ion Ratio Lower Upper
117 100
82 59.1 49.2 73.8
119 31.7 25.2 37.8



#64
Tetrachloroethene
Concen: 19.721 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009905.D
Acq: 28 May 2019 10:44

Tgt Ion:164 Resp: 34685
Ion Ratio Lower Upper
164 100
166 130.5 105.0 157.4
129 93.5 75.1 112.7
131 91.7 72.2 108.4

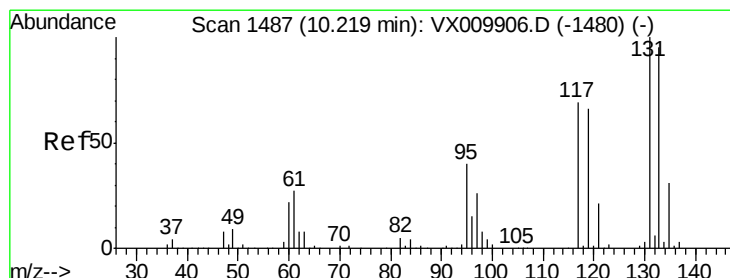
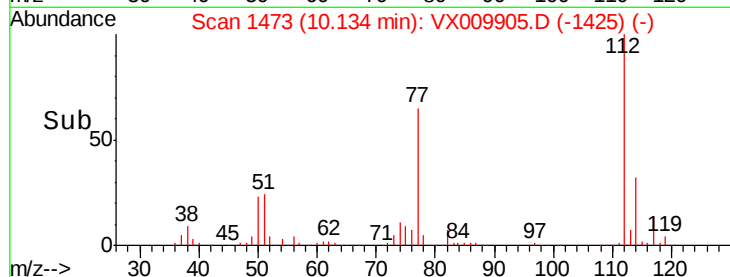
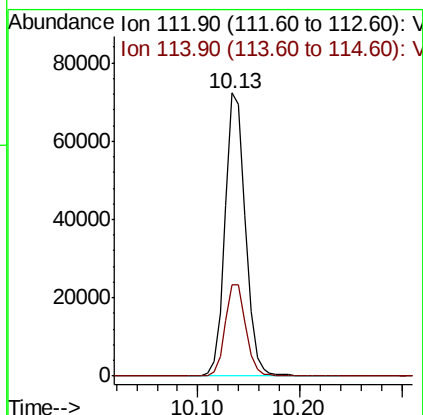
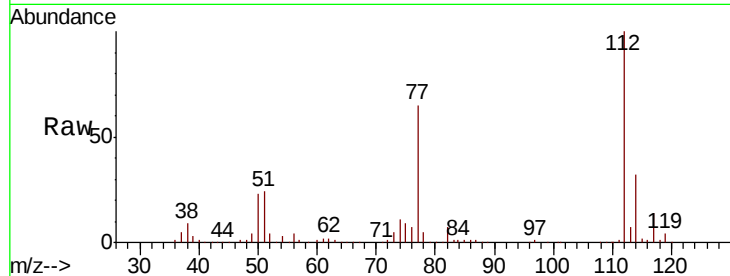




#65
Chlorobenzene
Concen: 19.485 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.01 min
Lab File: VX009905.D
Acq: 28 May 2019 10:44

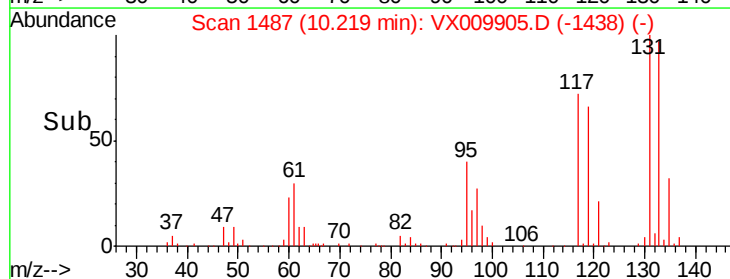
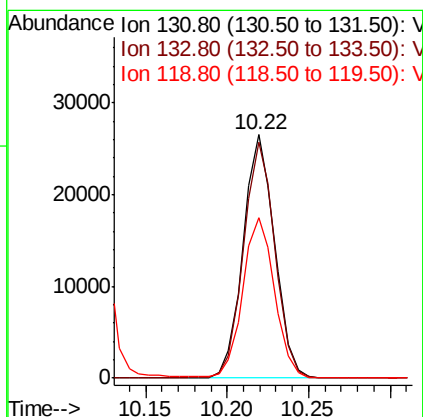
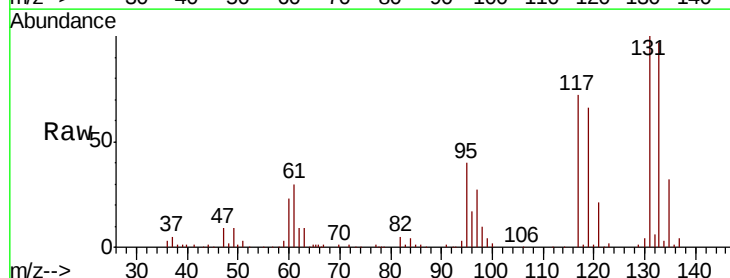
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

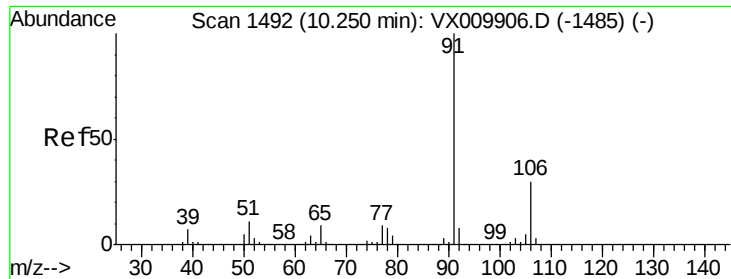
Tot Ion:112 Resp: 99783
Ion Ratio Lower Upper
112 100
114 32.1 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 19.252 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX009905.D
Acq: 28 May 2019 10:44

Tgt Ion:131 Resp: 35697
Ion Ratio Lower Upper
131 100
133 96.3 47.5 142.6
119 66.8 33.4 100.1





#67

Ethyl Benzene

Concen: 19.774 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX009905.D

Acq: 28 May 2019 10:44

Instrument :

MSVOA_X

ClientSampleId :

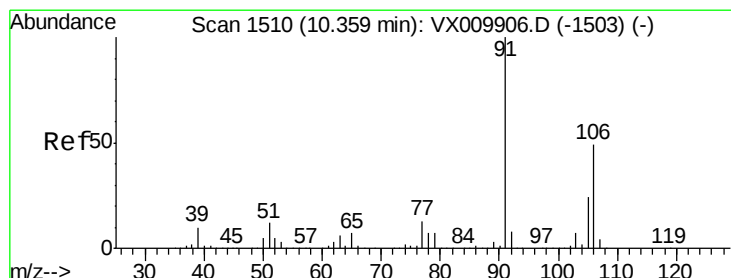
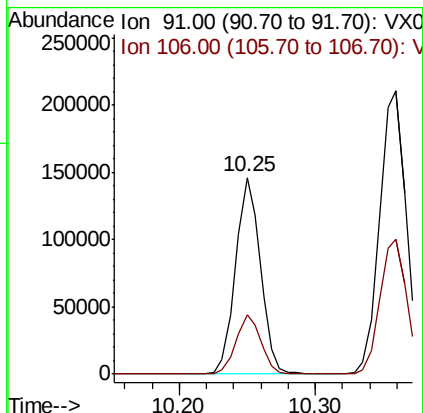
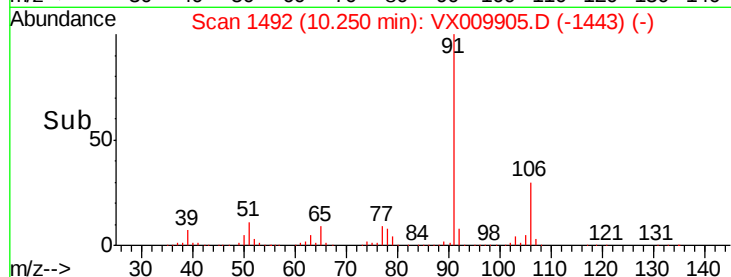
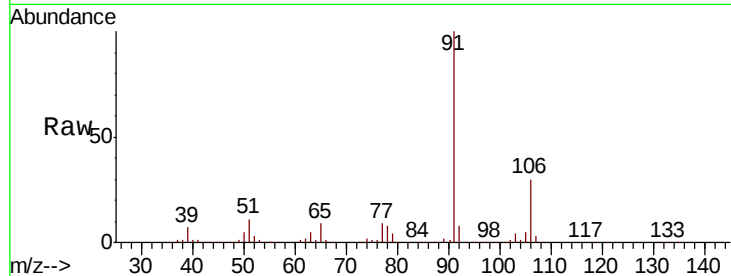
VSTDIC020

Tot Ion: 91 Resp: 186433

Ion Ratio Lower Upper

91 100

106 30.1 23.9 35.9



#68

m/p-Xylenes

Concen: 40.095 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX009905.D

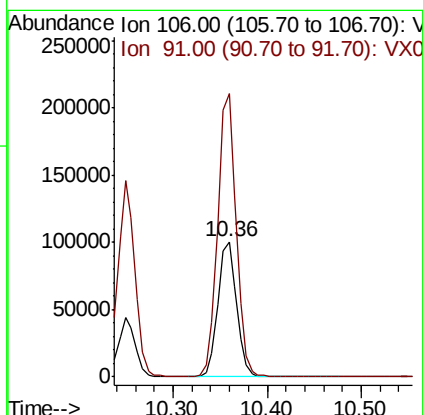
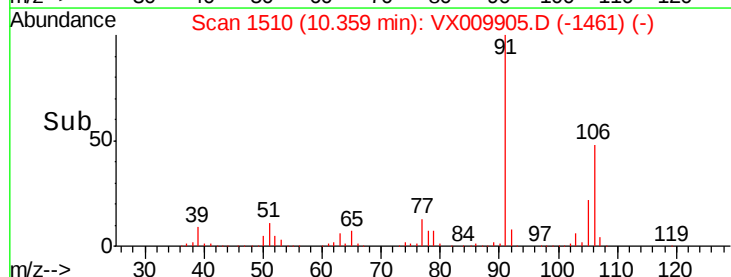
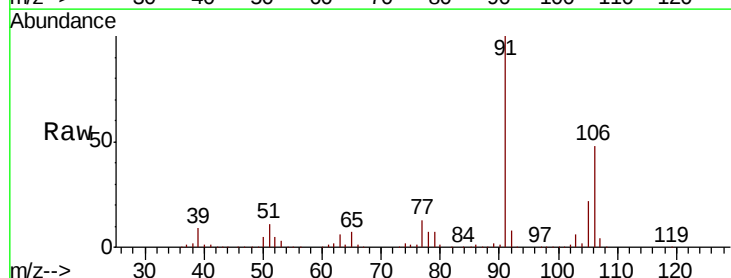
Acq: 28 May 2019 10:44

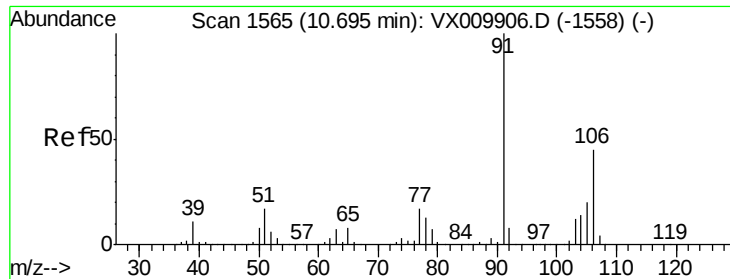
Tgt Ion: 106 Resp: 138272

Ion Ratio Lower Upper

106 100

91 207.4 167.3 250.9

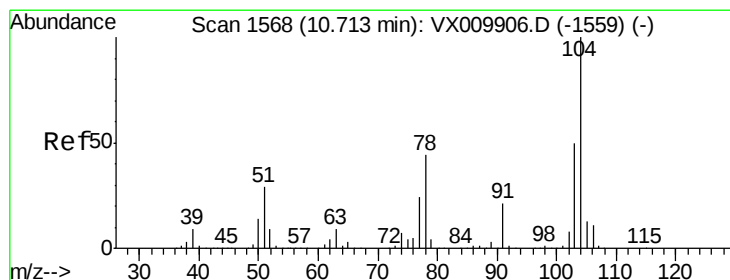
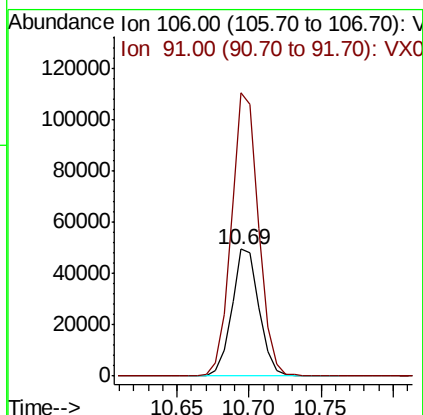
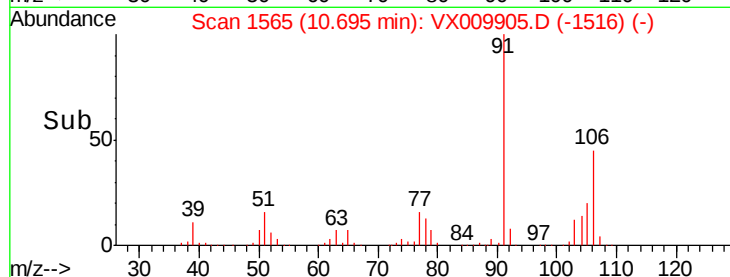
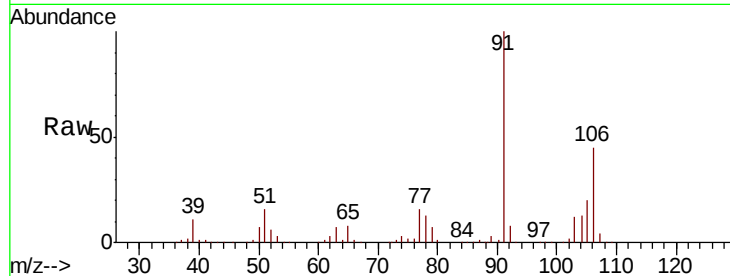




#69
o-Xylene
Concen: 19.314 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX009905.D
Acq: 28 May 2019 10:44

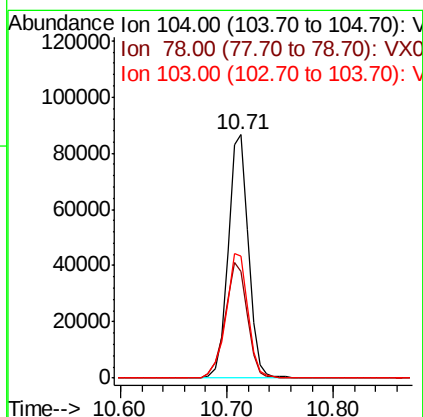
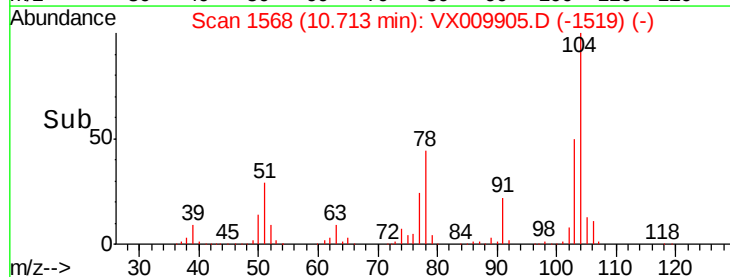
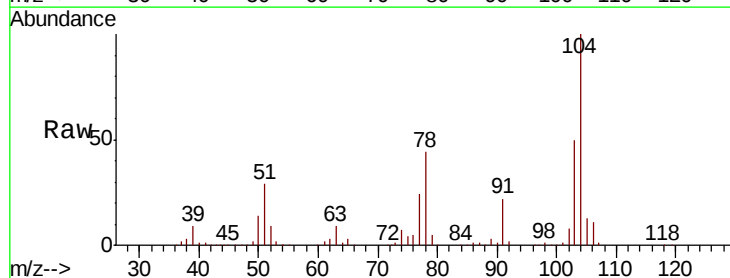
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

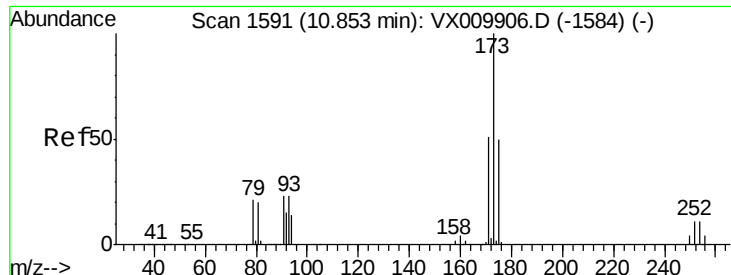
Tot Ion:106 Resp: 65675
Ion Ratio Lower Upper
106 100
91 222.6 110.4 331.2



#70
Styrene
Concen: 19.620 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX009905.D
Acq: 28 May 2019 10:44

Tgt Ion:104 Resp: 115660
Ion Ratio Lower Upper
104 100
78 52.0 42.1 63.1
103 55.4 44.1 66.1





#71

Bromoform

Concen: 18.873 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX009905.D

Acq: 28 May 2019 10:44

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

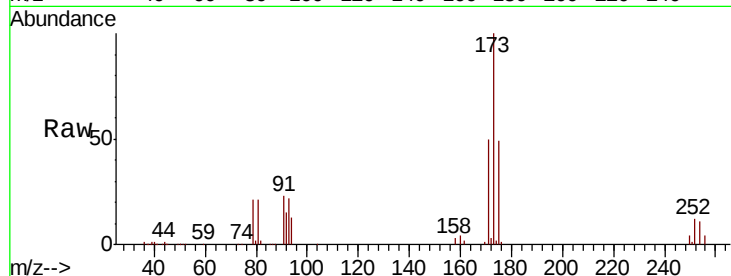
Tot Ion:173 Resp: 28482

Ion Ratio Lower Upper

173 100

175 49.3 25.0 75.0

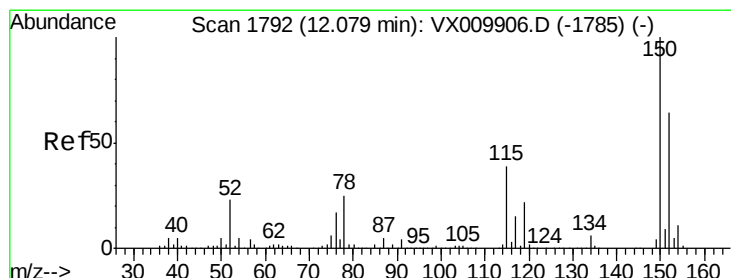
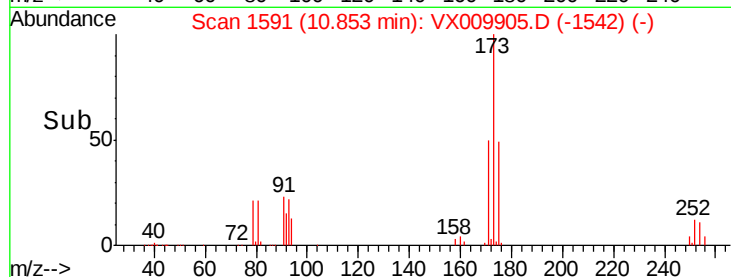
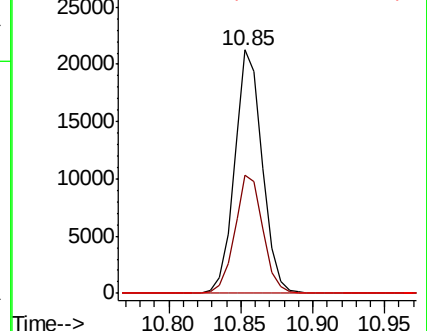
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009905.D

Acq: 28 May 2019 10:44

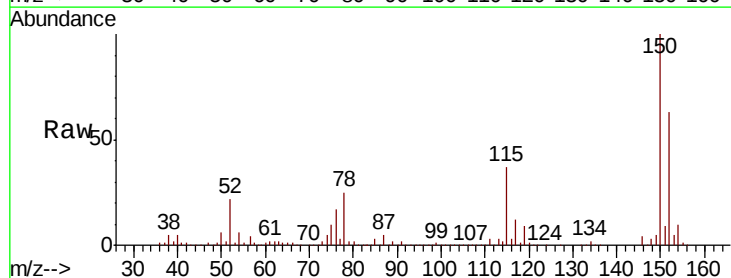
Tgt Ion:152 Resp: 122425

Ion Ratio Lower Upper

152 100

115 68.6 41.4 124.2

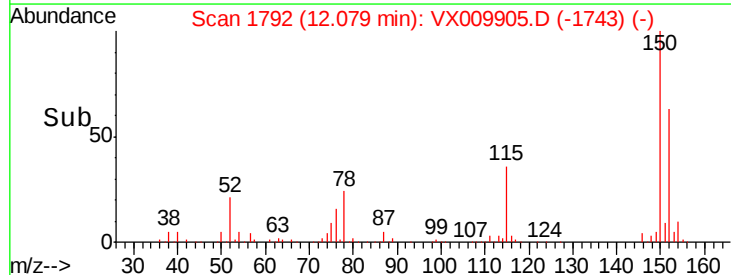
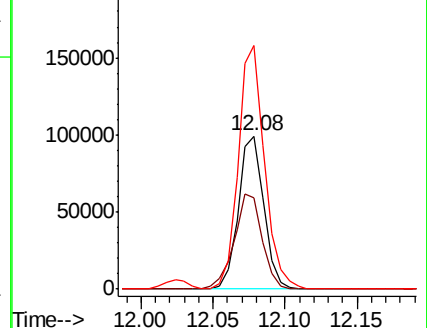
150 163.6 0.0 345.2

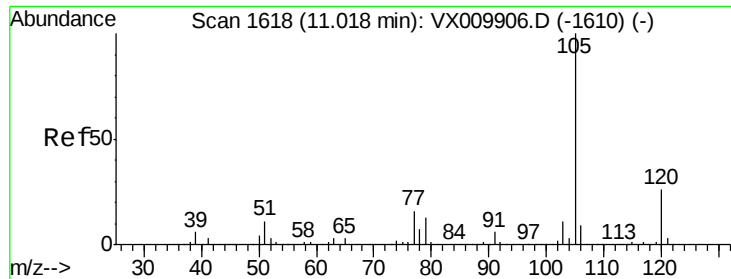


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.795 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX009905.D

Acq: 28 May 2019 10:44

Instrument :

MSVOA_X

ClientSampleId :

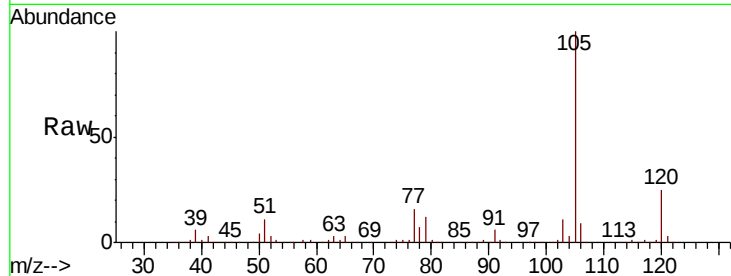
VSTDIC020

Tot Ion:105 Resp: 177320

Ion Ratio Lower Upper

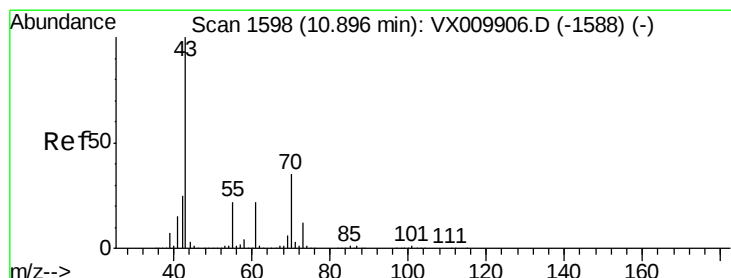
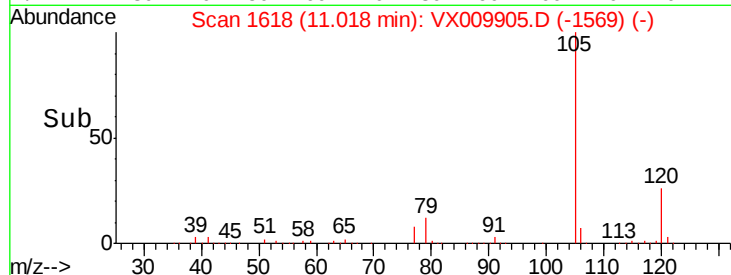
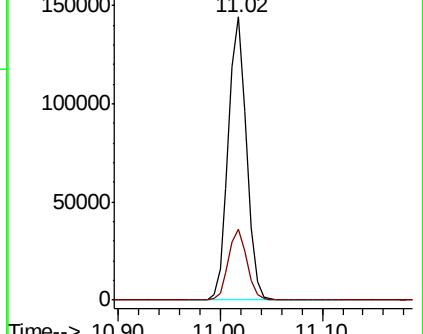
105 100

120 25.5 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.926 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX009905.D

Acq: 28 May 2019 10:44

Tgt Ion: 43 Resp: 104426

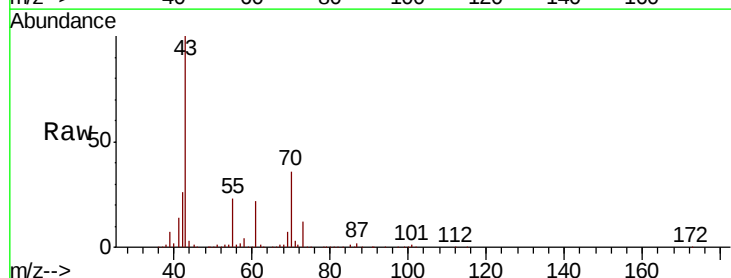
Ion Ratio Lower Upper

43 100

70 36.4 28.6 43.0

55 23.7 17.8 26.8

61 22.0 17.7 26.5

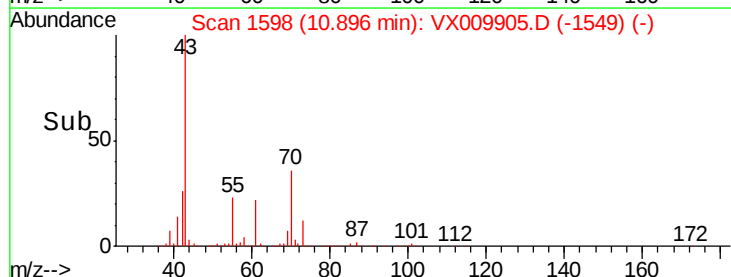
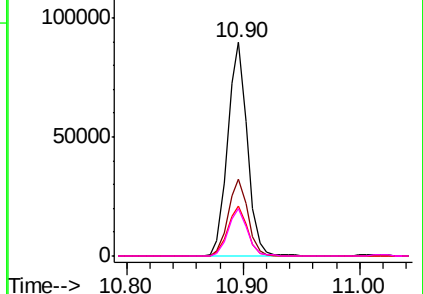


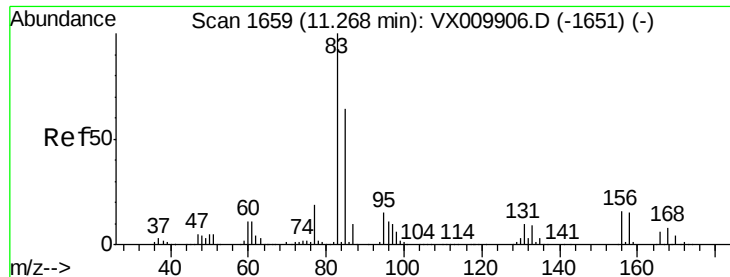
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.588 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX009905.D

Acq: 28 May 2019 10:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

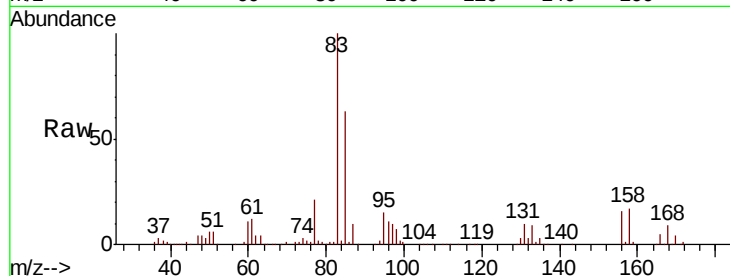
Tot Ion: 83 Resp: 65101

Ion Ratio Lower Upper

83 100

131 9.5 4.7 14.1

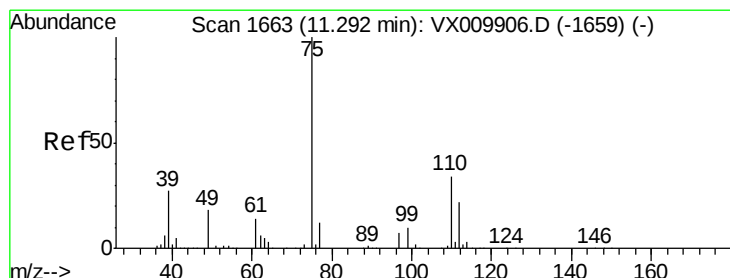
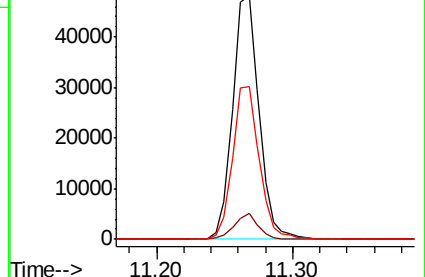
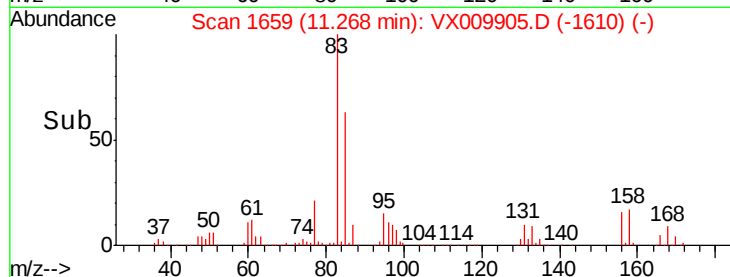
85 63.6 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VX009905.D (-1610) (-)

Ion 130.80 (130.50 to 131.50): VX009905.D (-1610) (-)

Ion 84.90 (84.60 to 85.60): VX009905.D (-1610) (-)



#76

1,2,3-Trichloropropane

Concen: 26.863 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX009905.D

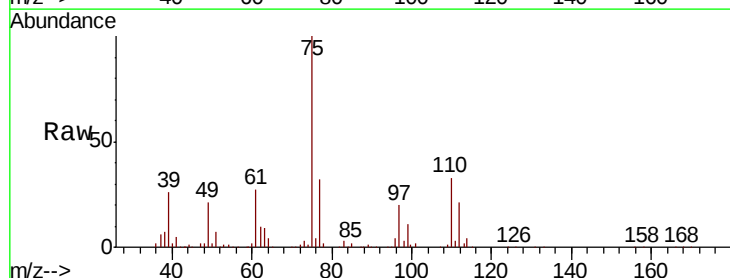
Acq: 28 May 2019 10:44

Tgt Ion: 75 Resp: 76796

Ion Ratio Lower Upper

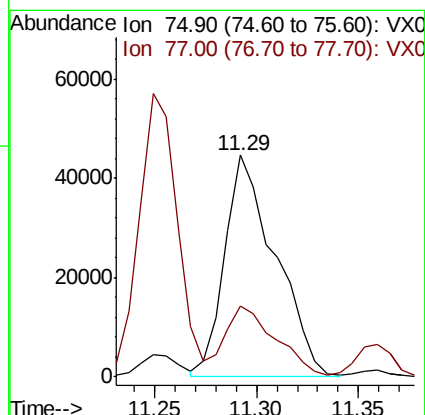
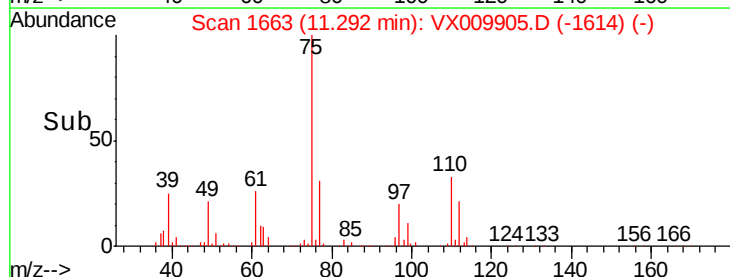
75 100

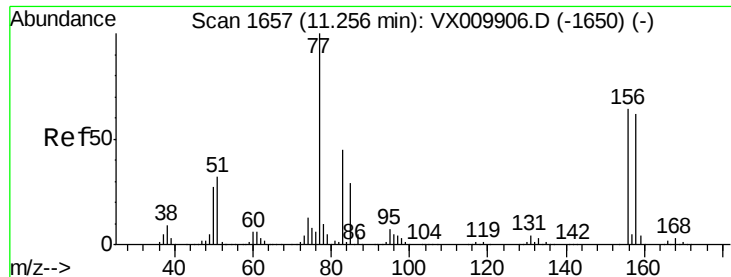
77 32.3 22.1 66.1



Abundance Ion 74.90 (74.60 to 75.60): VX009905.D (-1614) (-)

Ion 77.00 (76.70 to 77.70): VX009905.D (-1614) (-)





#77

Bromobenzene

Concen: 19.316 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX009905.D

Acq: 28 May 2019 10:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

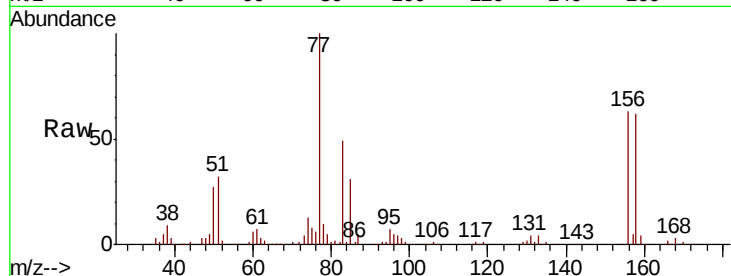
Tot Ion:156 Resp: 42897

Ion Ratio Lower Upper

156 100

77 172.8 86.8 260.3

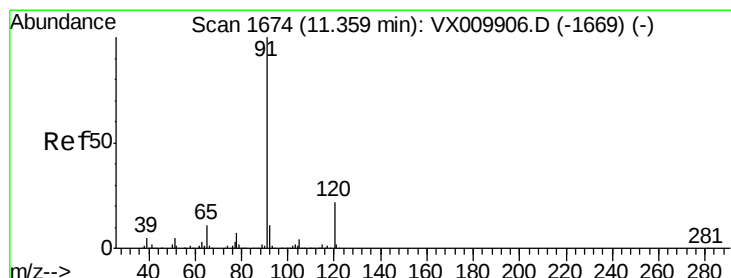
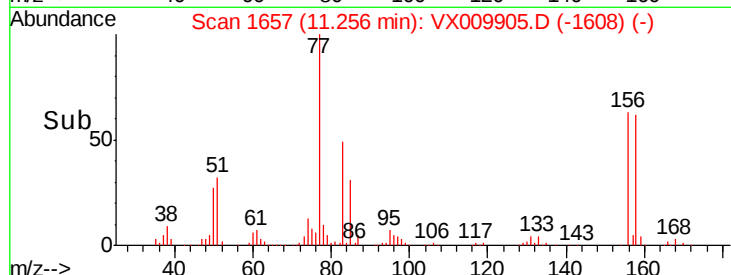
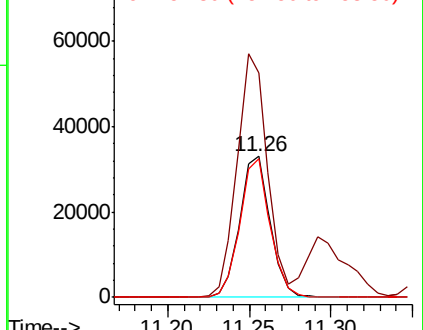
158 97.4 49.6 148.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.050 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX009905.D

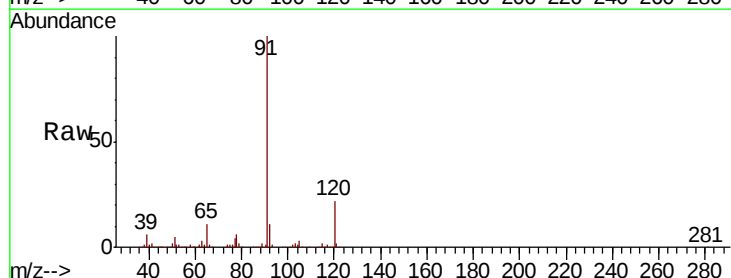
Acq: 28 May 2019 10:44

Tgt Ion: 91 Resp: 205501

Ion Ratio Lower Upper

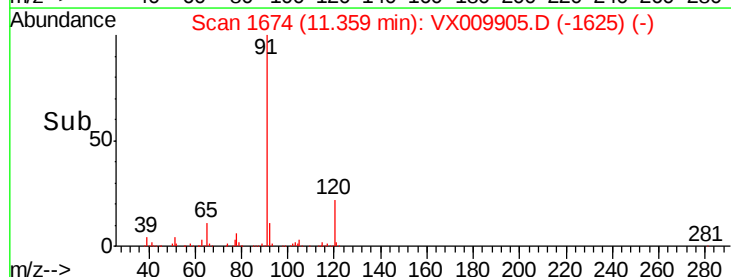
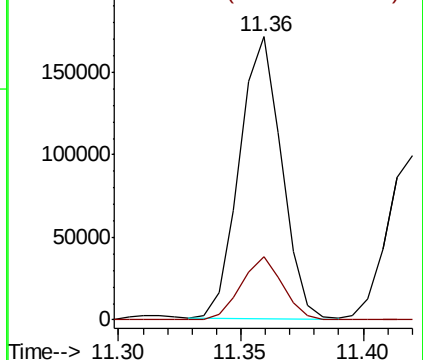
91 100

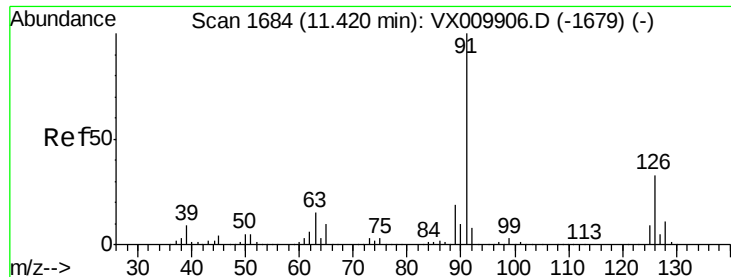
120 22.1 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.675 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX009905.D

Acq: 28 May 2019 10:44

Instrument :

MSVOA_X

ClientSampleId :

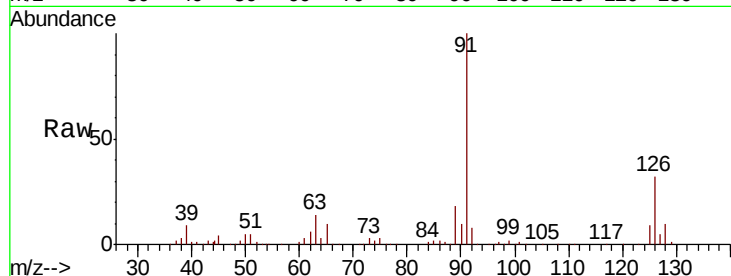
VSTDIC020

Tot Ion: 91 Resp: 124479

Ion Ratio Lower Upper

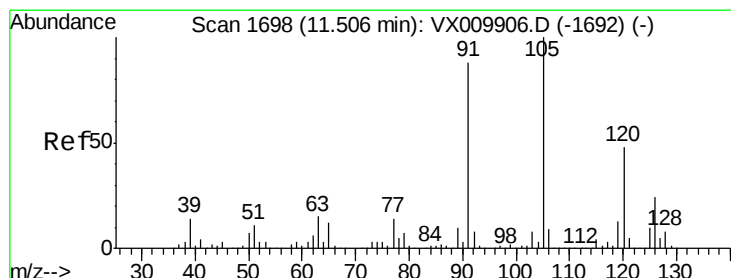
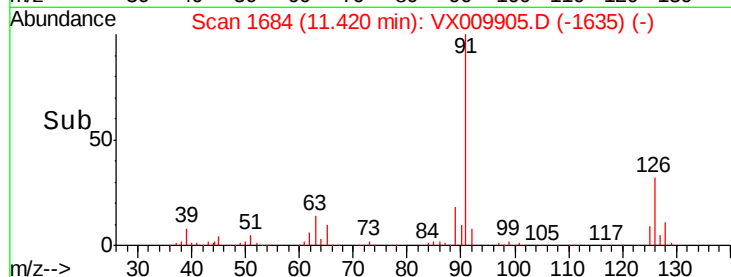
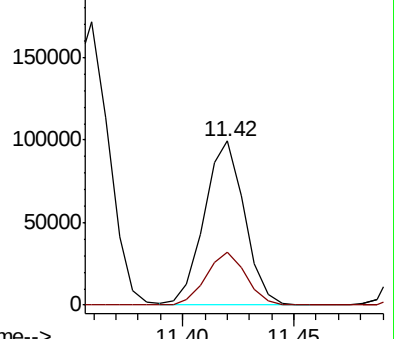
91 100

126 32.1 16.1 48.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.078 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009905.D

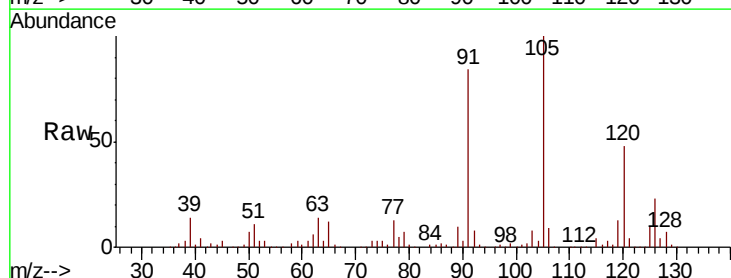
Acq: 28 May 2019 10:44

Tgt Ion:105 Resp: 151650

Ion Ratio Lower Upper

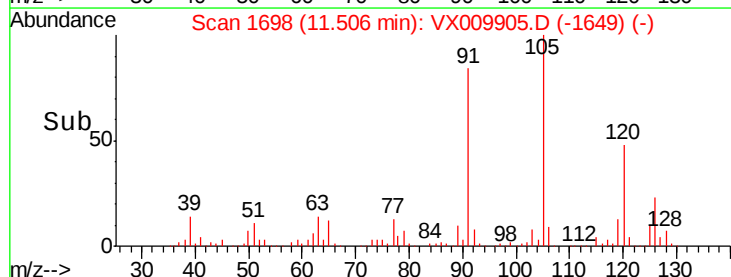
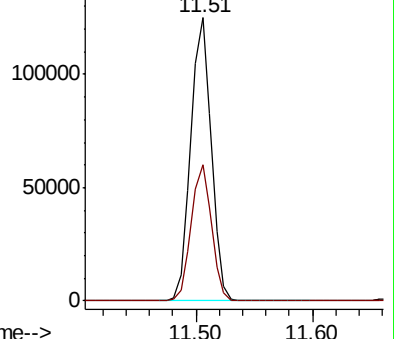
105 100

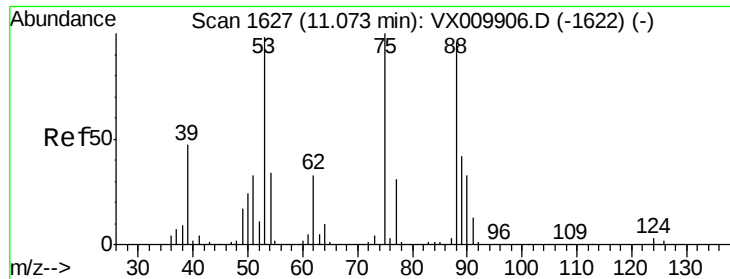
120 47.7 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 18.841 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX009905.D

Acq: 28 May 2019 10:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

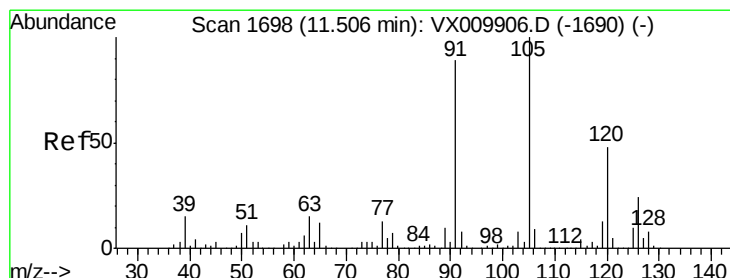
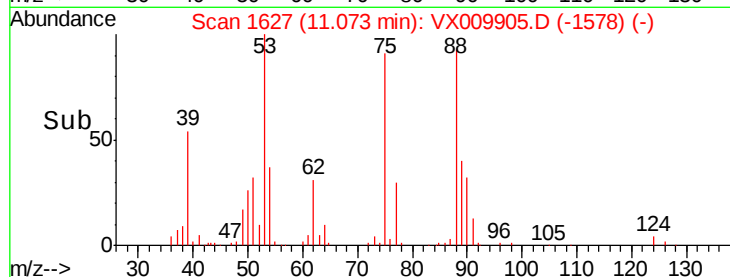
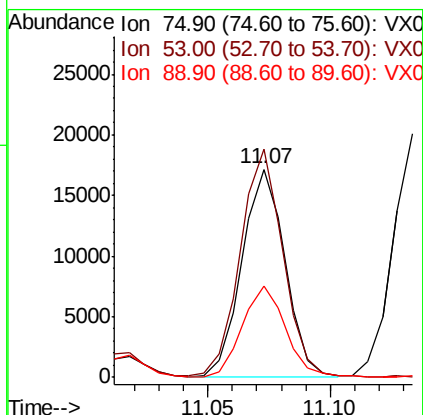
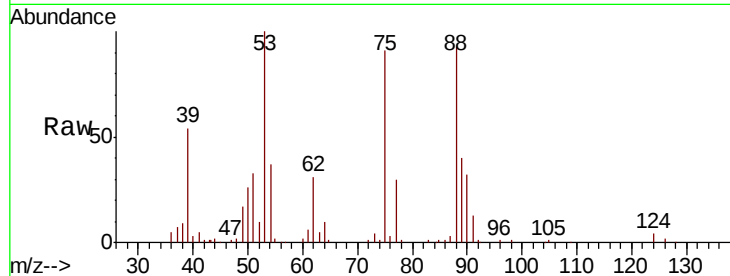
Tot Ion: 75 Resp: 21163

Ion Ratio Lower Upper

75 100

53 106.9 79.8 119.6

89 44.2 34.2 51.4



#82

4-Chlorotoluene

Concen: 19.541 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.01 min

Lab File: VX009905.D

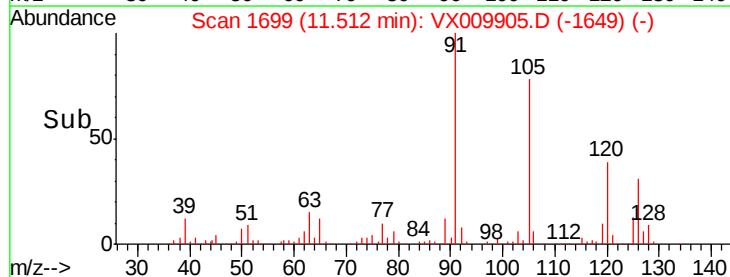
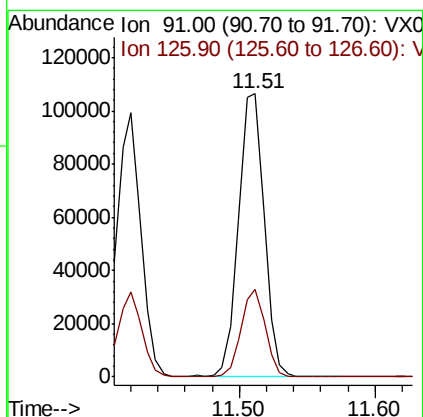
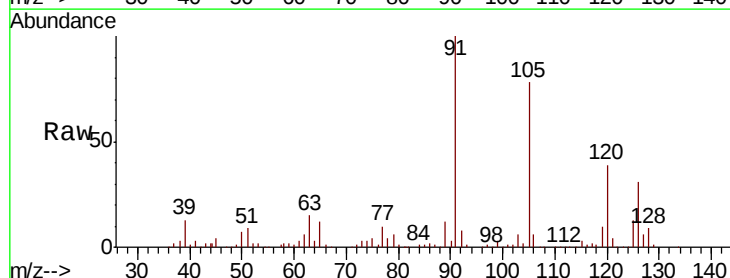
Acq: 28 May 2019 10:44

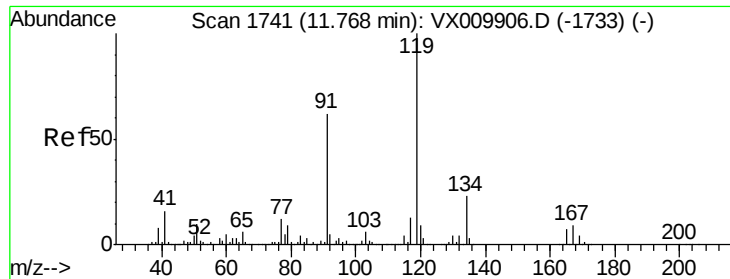
Tgt Ion: 91 Resp: 139794

Ion Ratio Lower Upper

91 100

126 29.4 14.2 42.6

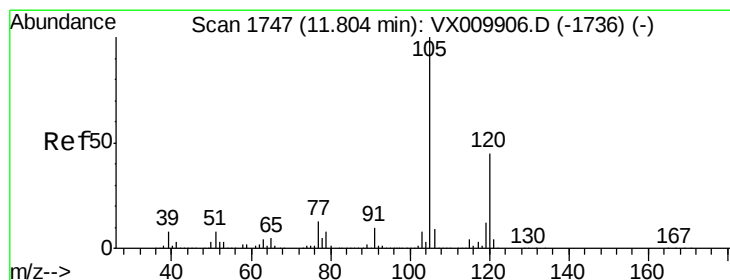
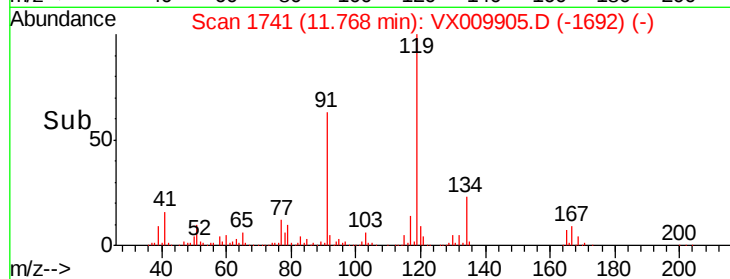
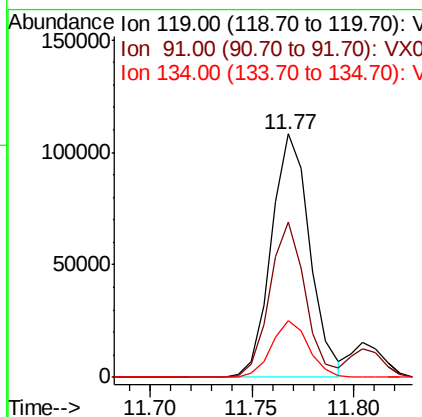
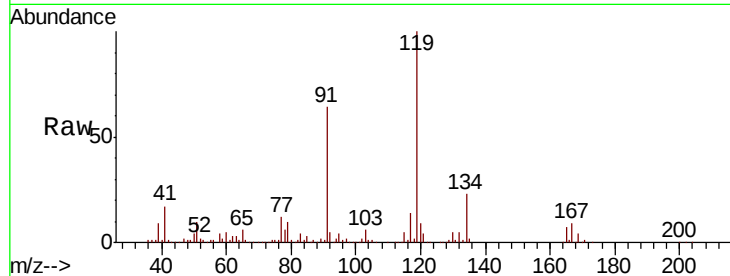




#83
tert-Butylbenzene
Concen: 19.429 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX009905.D
Acq: 28 May 2019 10:44

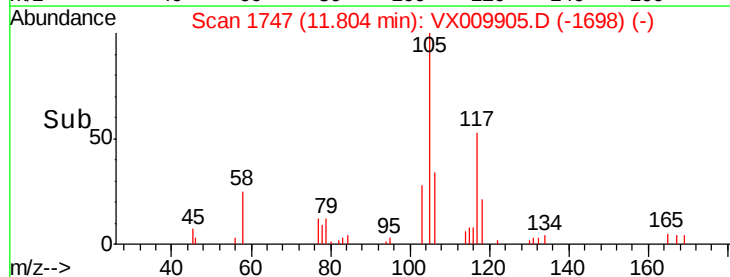
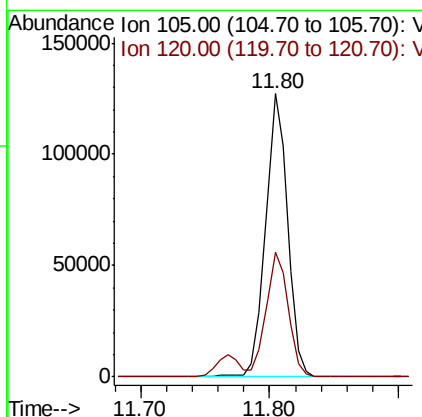
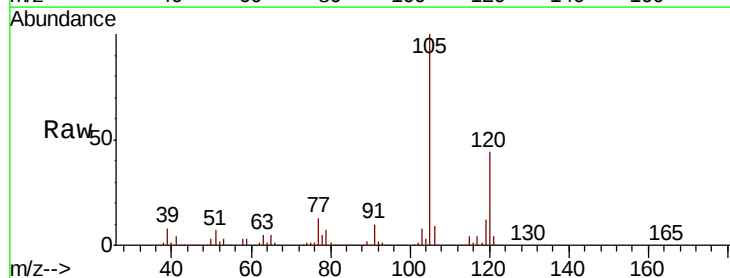
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

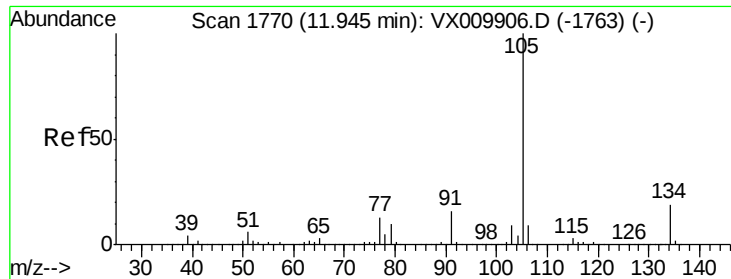
Tot Ion	Ratio	Lower	Upper
119	100		
91	59.3	30.0	90.0
134	22.5	11.2	33.5



#84
1,2,4-Trimethylbenzene
Concen: 19.954 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX009905.D
Acq: 28 May 2019 10:44

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.6	22.1	66.1





#85

sec-Butylbenzene

Concen: 19.709 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX009905.D

Acq: 28 May 2019 10:44

Instrument :

MSVOA_X

ClientSampleId :

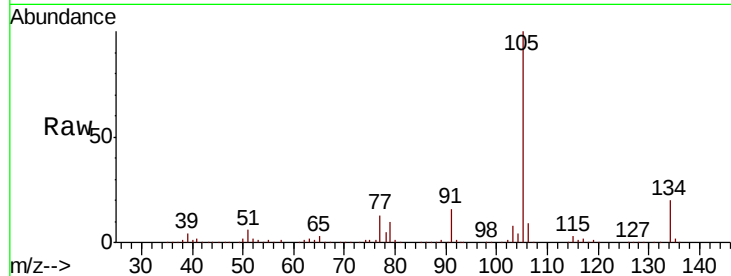
VSTDIC020

Tot Ion:105 Resp: 171428

Ion Ratio Lower Upper

105 100

134 19.5 9.7 28.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

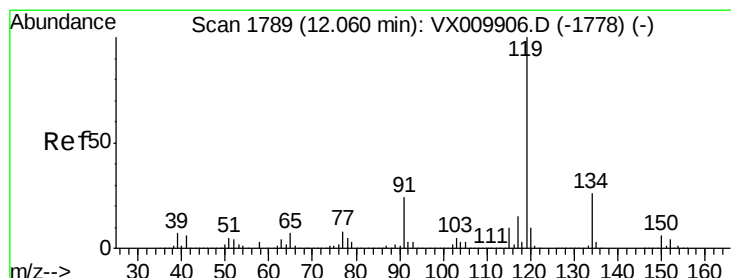
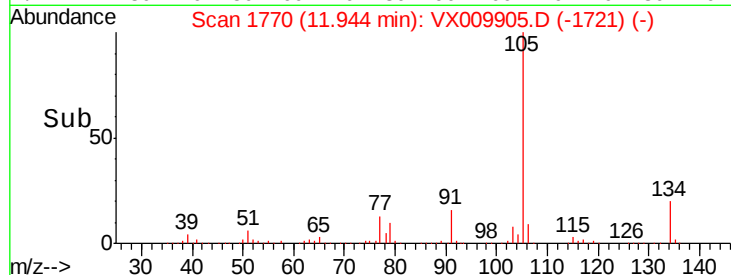
150000

100000

50000

0

Time--> 11.85 11.90 11.95 12.00



#86

p-Isopropyltoluene

Concen: 19.949 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX009905.D

Acq: 28 May 2019 10:44

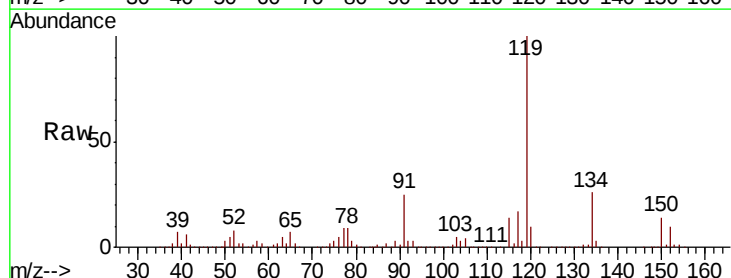
Tgt Ion:119 Resp: 156160

Ion Ratio Lower Upper

119 100

134 25.6 12.9 38.6

91 23.9 11.9 35.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

12.06

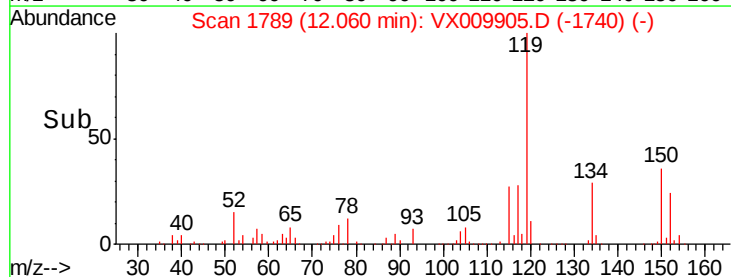
150000

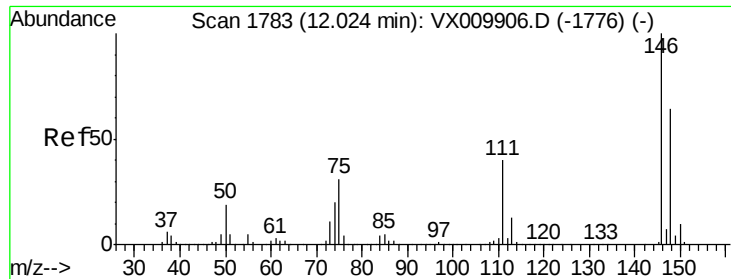
100000

50000

0

Time--> 12.00 12.10

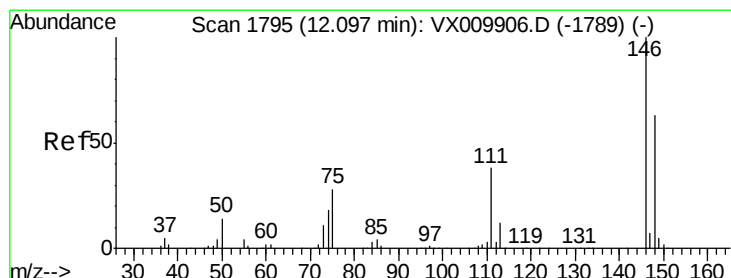
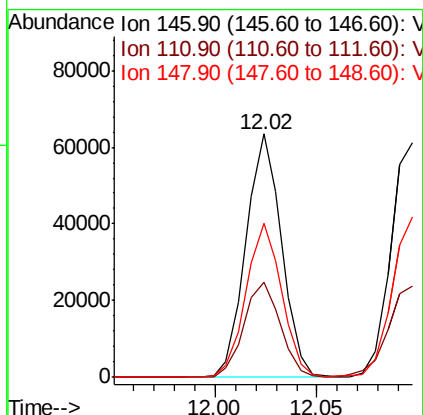
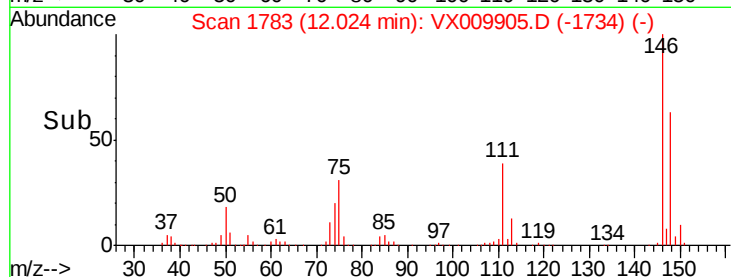
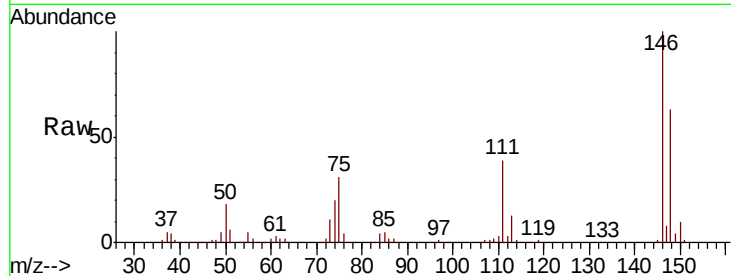




#87
 1,3-Dichlorobenzene
 Concen: 19.525 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX009905.D
 Acq: 28 May 2019 10:44

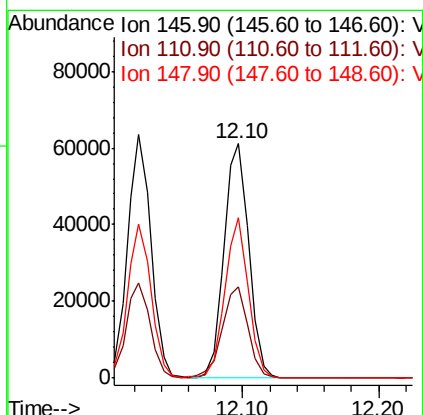
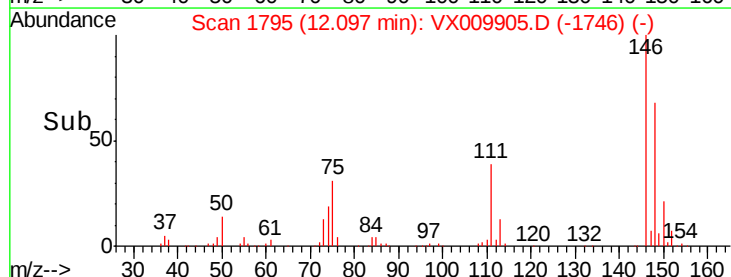
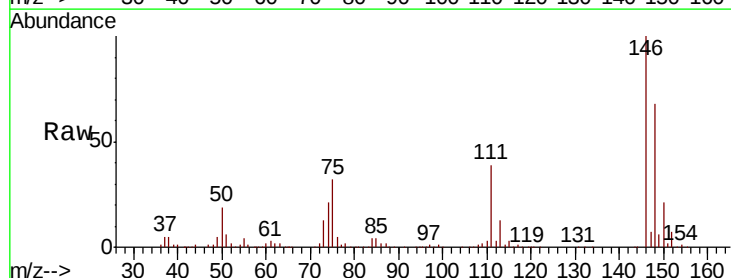
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

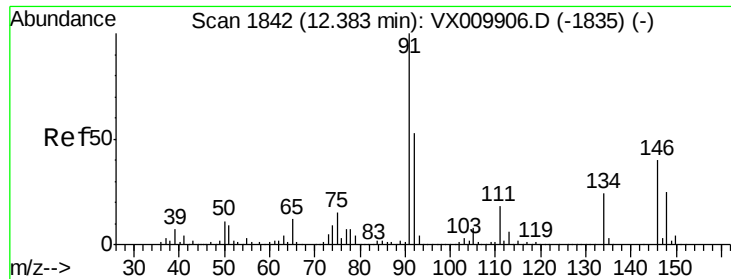
Tot Ion:146 Resp: 77252
 Ion Ratio Lower Upper
 146 100
 111 39.9 20.1 60.2
 148 63.3 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 19.324 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX009905.D
 Acq: 28 May 2019 10:44

Tgt Ion:146 Resp: 77123
 Ion Ratio Lower Upper
 146 100
 111 40.8 20.0 59.9
 148 64.7 32.3 96.9

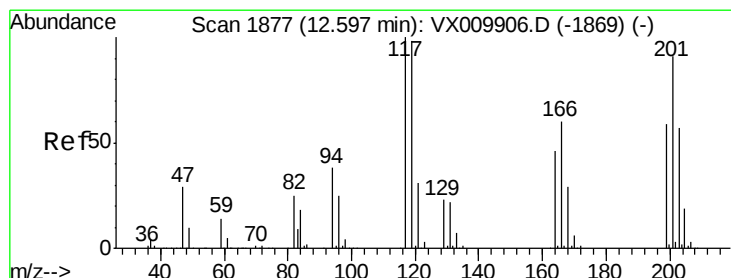
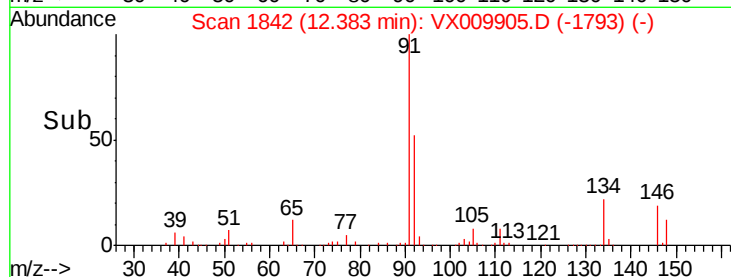
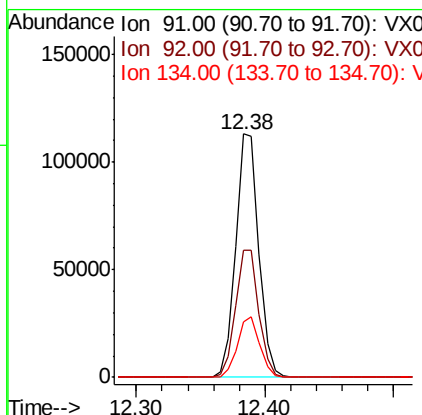
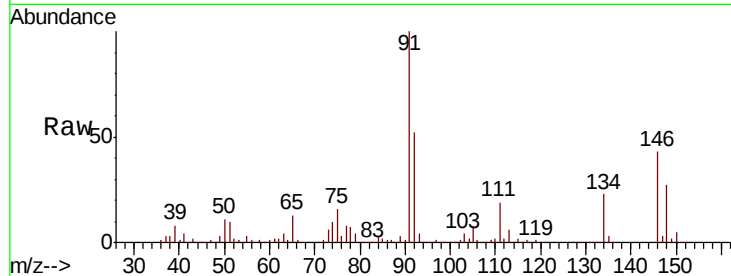




#89
n-Butylbenzene
Concen: 19.826 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX009905.D
Acq: 28 May 2019 10:44

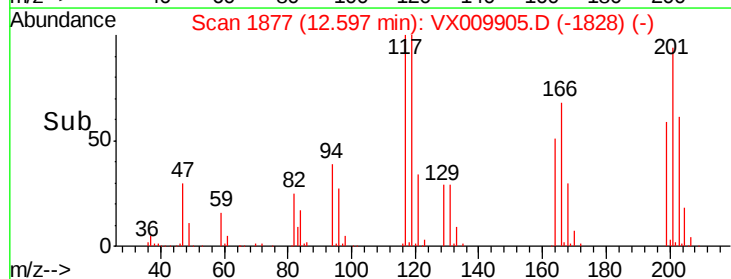
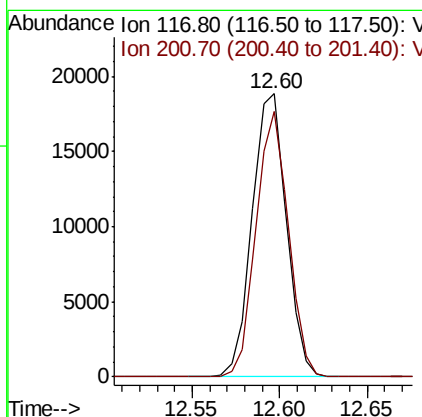
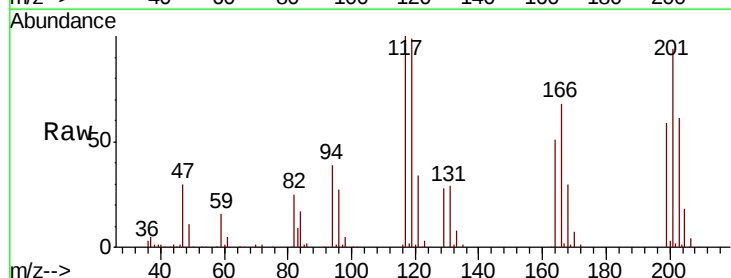
Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

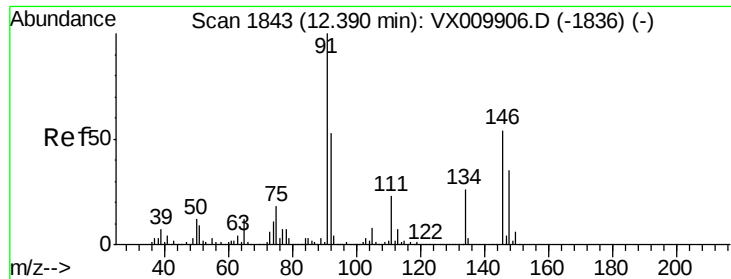
Tot Ion: 91 Resp: 140884
Ion Ratio Lower Upper
91 100
92 52.7 26.3 78.8
134 24.2 12.3 36.8



#90
Hexachloroethane
Concen: 19.271 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX009905.D
Acq: 28 May 2019 10:44

Tgt Ion: 117 Resp: 25655
Ion Ratio Lower Upper
117 100
201 88.5 43.6 130.9





#91

1,2-Dichlorobenzene

Concen: 19.107 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX009905.D

Acq: 28 May 2019 10:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

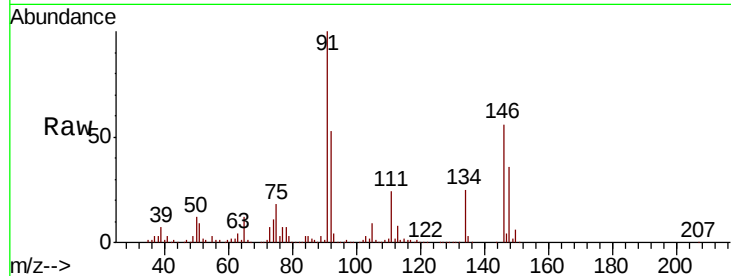
Tot Ion:146 Resp: 76753

Ion Ratio Lower Upper

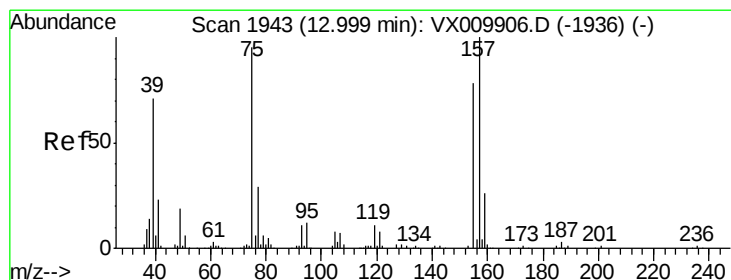
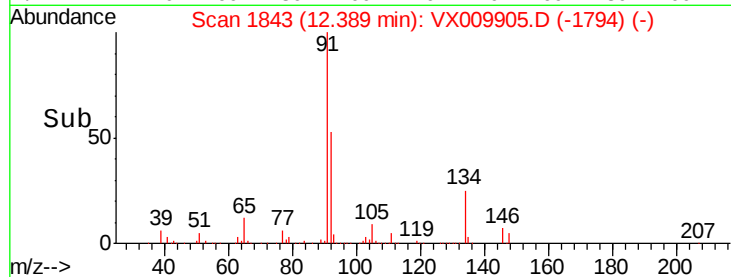
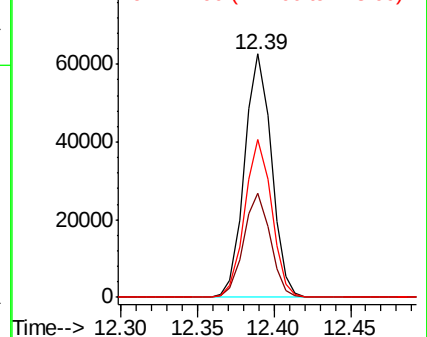
146 100

111 42.3 21.1 63.1

148 64.7 32.3 96.8



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.126 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX009905.D

Acq: 28 May 2019 10:44

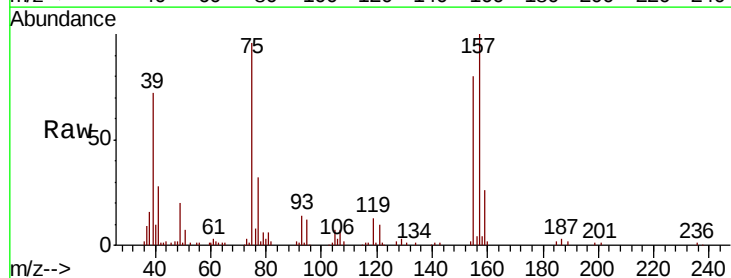
Tgt Ion: 75 Resp: 15002

Ion Ratio Lower Upper

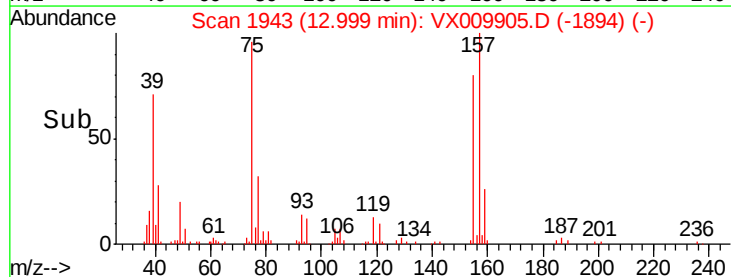
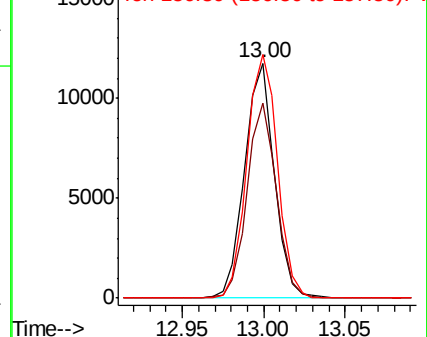
75 100

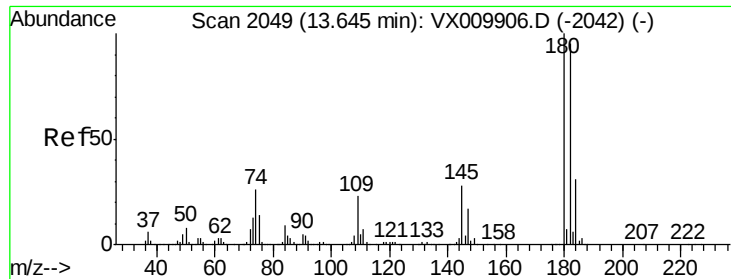
155 81.8 39.3 117.8

157 106.3 50.6 151.8



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

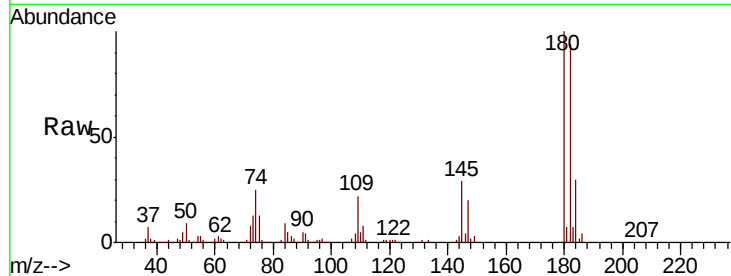




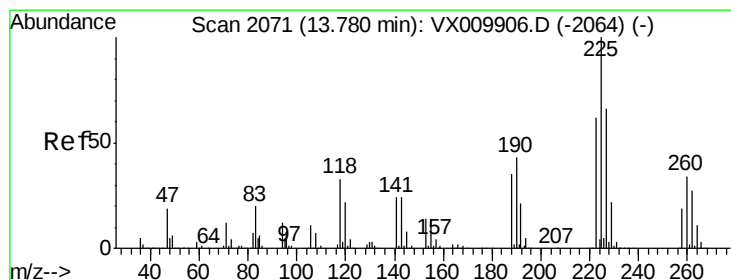
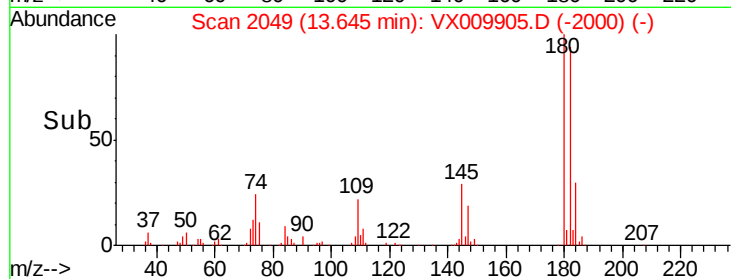
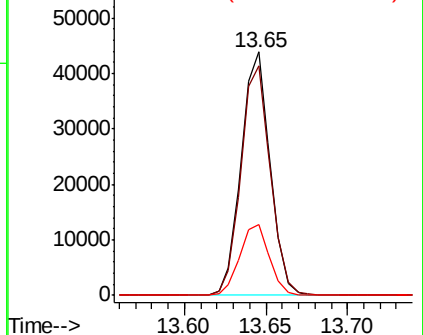
#93
 1,2,4-Trichlorobenzene
 Concen: 19.724 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009905.D
 Acq: 28 May 2019 10:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion:180 Resp: 54335
 Ion Ratio Lower Upper
 180 100
 182 95.5 47.4 142.2
 145 30.0 14.5 43.5

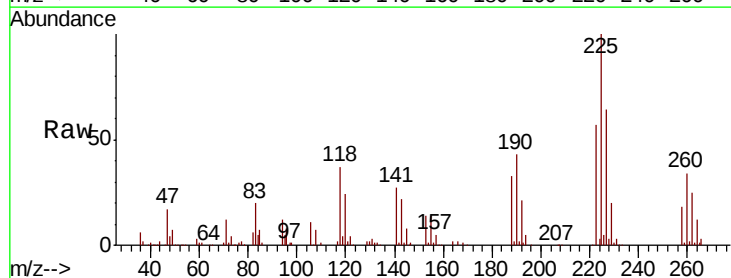


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

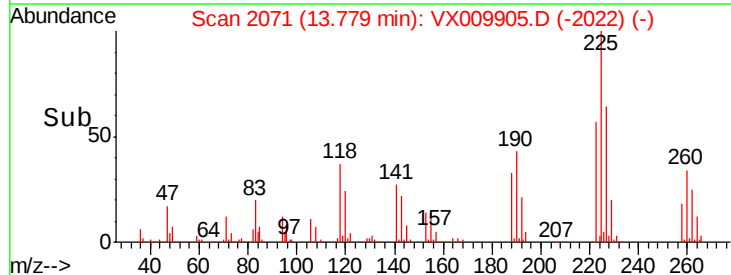
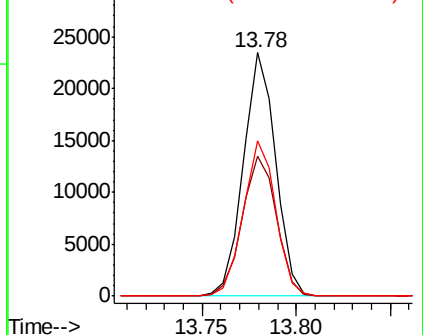


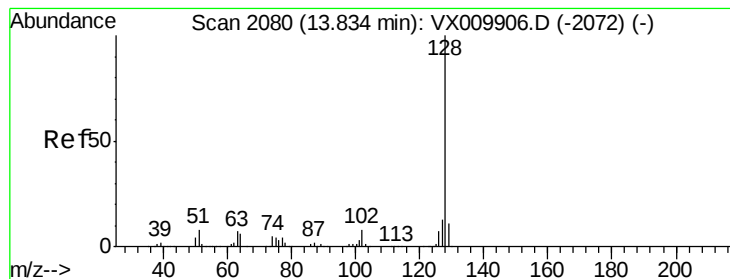
#94
 Hexachlorobutadiene
 Concen: 19.739 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX009905.D
 Acq: 28 May 2019 10:44

Tgt Ion:225 Resp: 27836
 Ion Ratio Lower Upper
 225 100
 223 61.1 31.3 93.8
 227 64.2 32.3 96.8



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





#95

Naphthalene

Concen: 19.917 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX009905.D

Acq: 28 May 2019 10:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

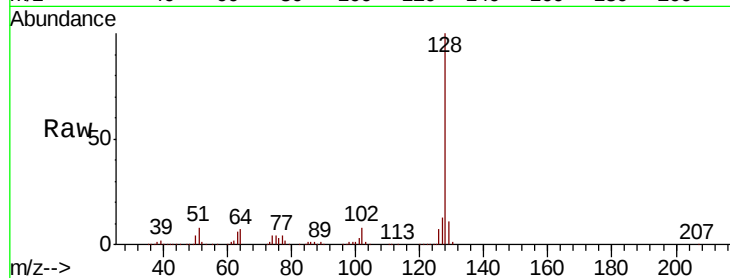
Tot Ion:128 Resp: 177214

Ion Ratio Lower Upper

128 100

127 13.2 10.6 16.0

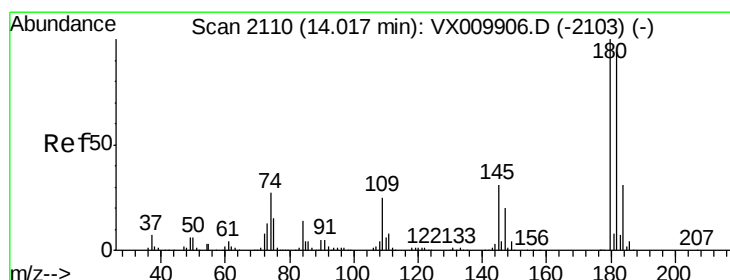
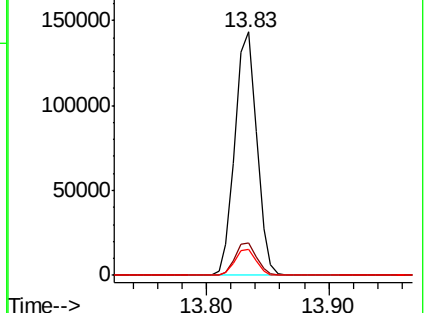
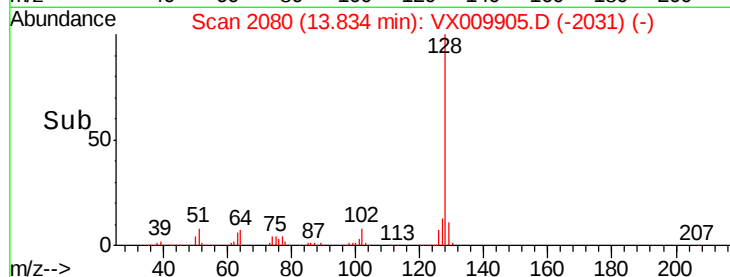
129 10.6 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.720 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX009905.D

Acq: 28 May 2019 10:44

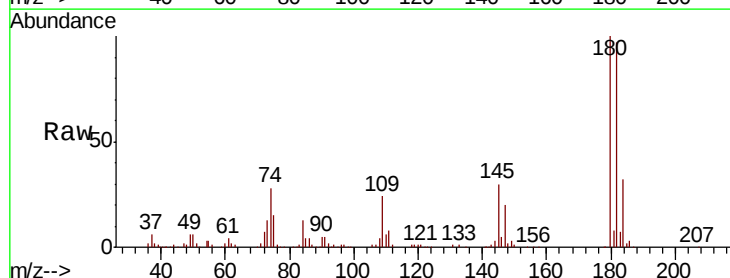
Tgt Ion:180 Resp: 54937

Ion Ratio Lower Upper

180 100

182 97.1 47.3 142.0

145 31.1 15.6 46.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

