

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX083019\
 Data File : VX011909.D
 Acq On : 30 Aug 2019 15:02
 Operator : SY/SP
 Sample : K4475-03
 Misc : 6.01g/5.0mL/MSVOA X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T1-2-E-(2.5)

Quant Time: Aug 31 02:02:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082919S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 30 01:59:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	1405	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	2014	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	1905	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	2294	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	1148	85.28	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	170.56%	
35) Dibromofluoromethane	5.48	113	406	31.44	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	62.88%	
50) Toluene-d8	8.71	98	2384	51.64	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.28%	
62) 4-Bromofluorobenzene	11.14	95	1377	68.00	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	136.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	690	81.370	ug/l	85
3) Chloromethane	1.31	50	382	38.860	ug/l	91
4) Vinyl Chloride	1.40	62	157	16.725	ug/l #	83
5) Bromomethane	1.65	94	406	62.510	ug/l #	62
6) Chloroethane	1.69	64	46	7.874	ug/l #	1
7) Trichlorofluoromethane	1.93	101	330	20.243	ug/l #	63
8) Diethyl Ether	2.17	74	2708	483.351	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.38	101	44	4.141	ug/l #	1
10) Methyl Iodide	2.50	142	594	51.117	ug/l #	84
11) Tert butyl alcohol	3.05	59	1662	1283.331	ug/l #	72
12) 1,1-Dichloroethene	2.35	96	199	20.166	ug/l #	23
13) Acrolein	2.23	56	142	220.298	ug/l #	13
14) Allyl chloride	2.75	41	150	8.103	ug/l #	24
15) Acrylonitrile	3.13	53	240	77.988	ug/l #	18
16) Acetone	2.43	43	52497	18125.519	ug/l	98
17) Carbon Disulfide	2.56	76	847	29.924	ug/l #	91
18) Methyl Acetate	2.75	43	167	20.830	ug/l #	53
19) Methyl tert-butyl Ether	3.19	73	101	3.159	ug/l #	60
20) Methylene Chloride	2.84	84	22420	2006.299	ug/l	96
21) trans-1,2-Dichloroethene	3.15	96	176	15.141	ug/l #	1
22) Diisopropyl ether	3.83	45	207	5.478	ug/l #	37
23) Vinyl Acetate	3.81	43	554	22.802	ug/l #	72
24) 1,1-Dichloroethane	3.70	63	88	4.223	ug/l #	81
25) 2-Butanone	4.67	43	1397	331.171	ug/l #	47
26) 2,2-Dichloropropane	4.39	77	262	14.990	ug/l	97
27) cis-1,2-Dichloroethene	4.57	96	254	18.551	ug/l	82
28) Bromochloromethane	5.00	49	32	3.422	ug/l #	93
29) Tetrahydrofuran	5.12	42	5387	2045.995	ug/l #	75
30) Chloroform	5.20	83	1347	60.453	ug/l	87
31) Cyclohexane	5.58	56	125	7.437	ug/l #	80
32) 1,1,1-Trichloroethane	5.48	97	111	5.608	ug/l #	2
36) 1,1-Dichloropropene	5.78	75	24	1.504	ug/l #	40
37) Ethyl Acetate	4.81	43	148	15.670	ug/l #	86
38) Carbon Tetrachloride	5.77	117	77	4.161	ug/l #	12

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	516	27.151	ug/l #	57
40) Benzene	6.14	78	1460	30.655	ug/l #	84
41) Methacrylonitrile	5.01	41	162	29.131	ug/l #	24
42) 1,2-Dichloroethane	6.14	62	107	6.606	ug/l	78
43) Isopropyl Acetate	6.45	43	86	4.491	ug/l #	60
44) Trichloroethene	7.21	130	45	3.054	ug/l	98
45) 1,2-Dichloropropane	7.48	63	61	4.896	ug/l #	1
46) Dibromomethane	7.67	93	32	4.328	ug/l #	1
47) Bromodichloromethane	7.90	83	112	6.109	ug/l #	67
48) Methyl methacrylate	7.79	41	205	22.003	ug/l #	42
49) 1,4-Dioxane	7.73	88	19	148.295	ug/l #	1
51) 4-Methyl-2-Pentanone	8.55	43	367	37.727	ug/l	92
52) Toluene	8.78	92	3145	99.814	ug/l	93
53) t-1,3-Dichloropropene	9.06	75	209	11.129	ug/l #	43
54) cis-1,3-Dichloropropene	8.43	75	89	4.222	ug/l #	40
55) 1,1,2-Trichloroethane	9.20	97	125	11.548	ug/l #	20
56) Ethyl methacrylate	9.18	69	52	3.461	ug/l #	1
57) 1,3-Dichloropropane	9.37	76	164	9.129	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.07	63	68	9.504	ug/l	94
59) 2-Hexanone	9.50	43	637	92.185	ug/l	98
60) Dibromochloromethane	9.58	129	87	5.984	ug/l #	11
61) 1,2-Dibromoethane	9.66	107	126	11.741	ug/l #	61
64) Tetrachloroethene	9.33	164	277	18.077	ug/l #	69
65) Chlorobenzene	10.14	112	457	12.379	ug/l #	79
66) 1,1,1,2-Tetrachloroethane	10.23	131	61	4.086	ug/l #	17
67) Ethyl Benzene	10.25	91	1011	16.100	ug/l #	58
68) m/p-Xylenes	10.36	106	814	33.571	ug/l	93
69) o-Xylene	10.70	106	349	14.771	ug/l	92
70) Styrene	10.71	104	623	14.959	ug/l #	60
71) Bromoform	10.86	173	21	1.989	ug/l #	1
73) Isopropylbenzene	11.01	105	711	5.394	ug/l	99
74) N-amyl acetate	10.89	43	191	4.883	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.27	83	270	10.009	ug/l #	64
76) 1,2,3-Trichloropropane	11.29	75	199	8.819	ug/l #	34
77) Bromobenzene	11.25	156	326	8.528	ug/l #	53
78) n-propylbenzene	11.42	91	745	4.984	ug/l	85
79) 2-Chlorotoluene	11.42	91	745	8.281	ug/l	85
80) 1,3,5-Trimethylbenzene	11.51	105	643	5.652	ug/l	88
81) trans-1,4-Dichloro-2-buten	11.14	75	868	96.630	ug/l #	21
82) 4-Chlorotoluene	11.50	91	963	8.873	ug/l	87
83) tert-Butylbenzene	11.76	119	458	3.967	ug/l #	35
84) 1,2,4-Trimethylbenzene	11.81	105	1334	11.441	ug/l	99
85) sec-Butylbenzene	11.94	105	737	5.496	ug/l	84
86) p-Isopropyltoluene	12.06	119	695	5.345	ug/l #	62
87) 1,3-Dichlorobenzene	12.03	146	725	10.205	ug/l	93
88) 1,4-Dichlorobenzene	12.10	146	900	12.531	ug/l	89
89) n-Butylbenzene	12.38	91	1050	9.128	ug/l	89
90) Hexachloroethane	12.59	117	147	5.844	ug/l #	1
91) 1,2-Dichlorobenzene	12.38	146	665	10.068	ug/l #	80
92) 1,2-Dibromo-3-Chloropropan	12.98	75	135	25.123	ug/l #	39

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	1132	20.353	ug/l	93
94) Hexachlorobutadiene	13.78	225	379	10.204	ug/l	92
95) Naphthalene	13.83	128	2986	31.282	ug/l #	93
96) 1,2,3-Trichlorobenzene	14.02	180	968	19.246	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX011909.D

Acq: 30 Aug 2019 15:02

Instrument :

MSVOA_X

ClientSampled :

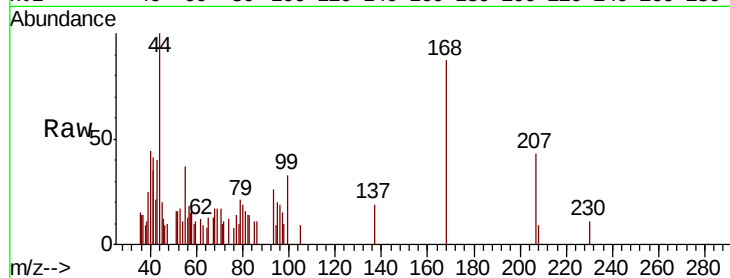
T1-2-E-(2.5)

Tot Ion:168 Resp: 1405

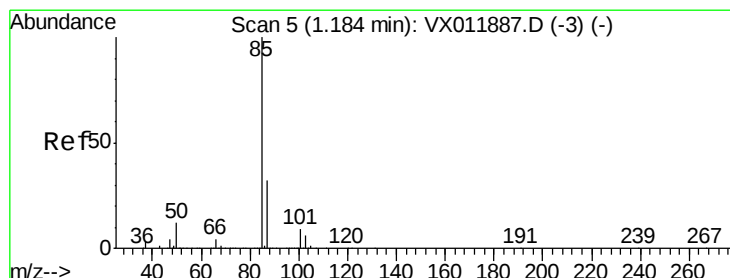
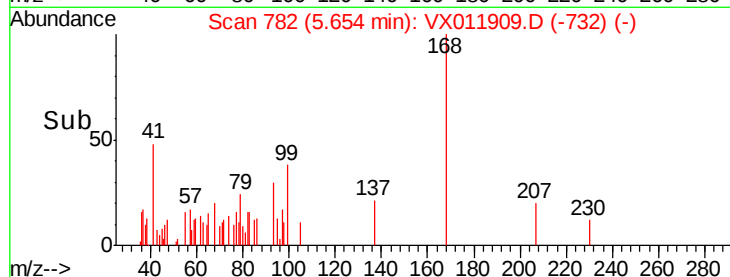
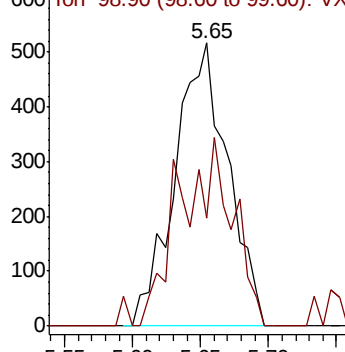
Ion Ratio Lower Upper

168 100

99 38.3 38.4 57.6#



Abundance Ion 167.90 (167.60 to 168.60): V



#2

Dichlorodifluoromethane

Concen: 81.370 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.01 min

Lab File: VX011909.D

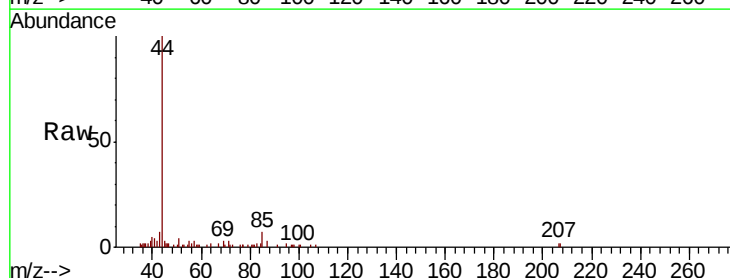
Acq: 30 Aug 2019 15:02

Tgt Ion: 85 Resp: 690

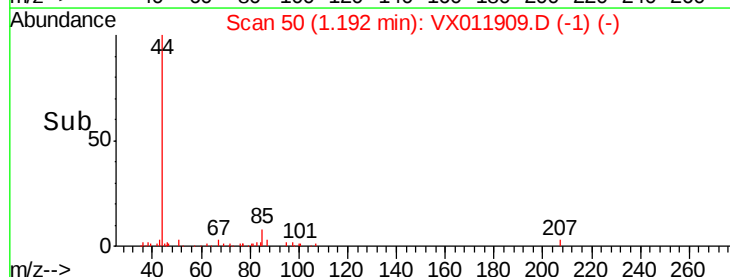
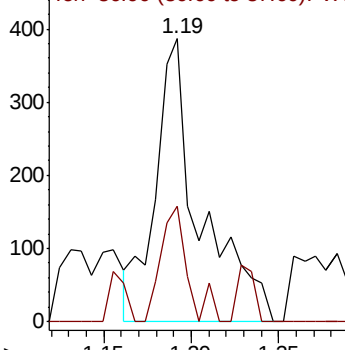
Ion Ratio Lower Upper

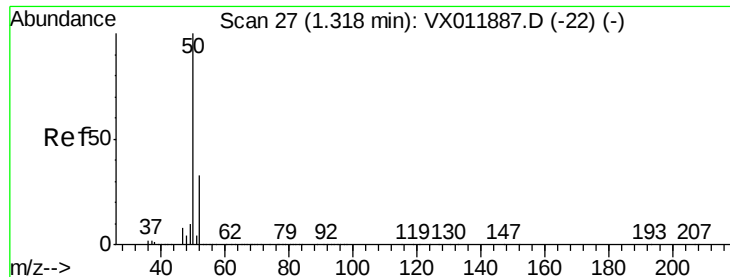
85 100

87 40.8 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0





#3

Chloromethane

Concen: 38.860 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX011909.D

Acq: 30 Aug 2019 15:02

Instrument :

MSVOA_X

ClientSampleId :

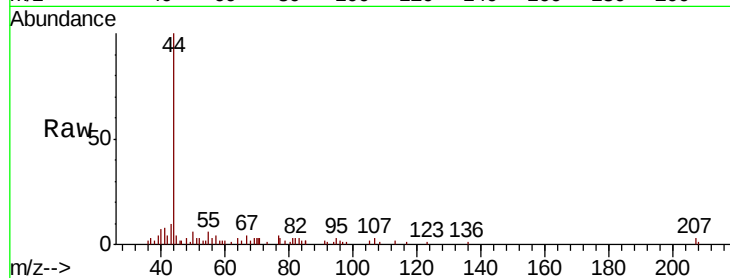
T1-2-E-(2.5)

Tot Ion: 50 Resp: 382

Ion Ratio Lower Upper

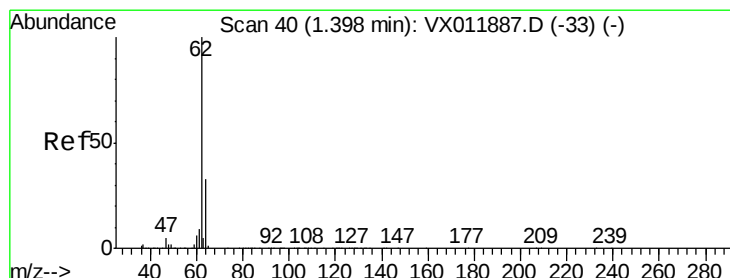
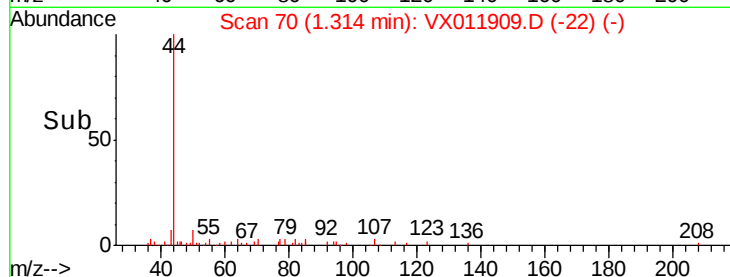
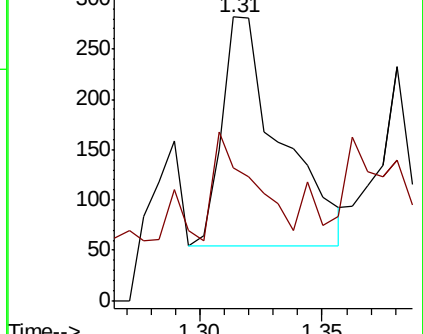
50 100

52 27.6 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 16.725 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX011909.D

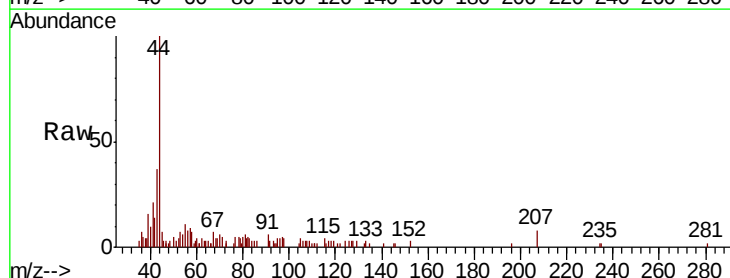
Acq: 30 Aug 2019 15:02

Tgt Ion: 62 Resp: 157

Ion Ratio Lower Upper

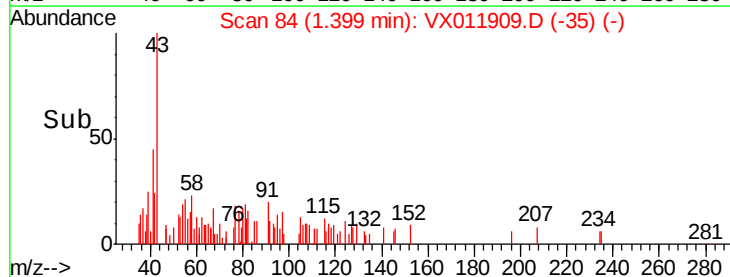
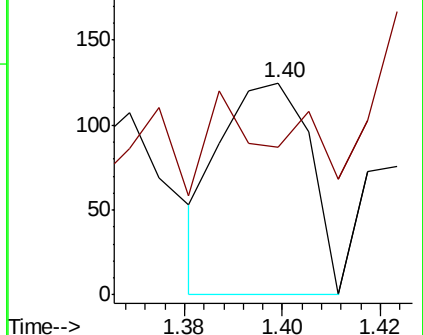
62 100

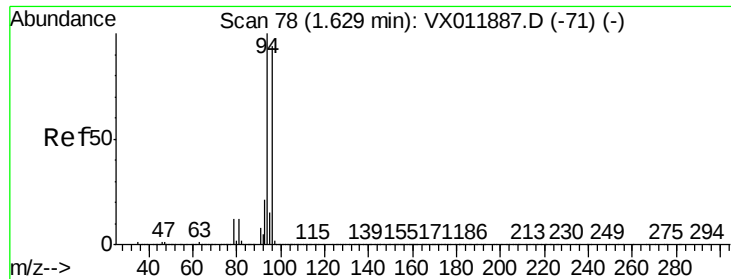
64 23.2 26.0 39.0#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 62.510 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX011909.D

Acq: 30 Aug 2019 15:02

Instrument :

MSVOA_X

ClientSampled :

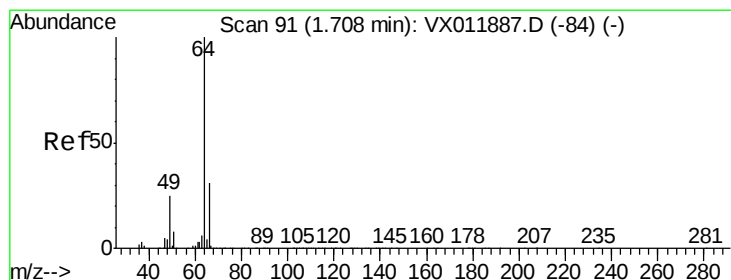
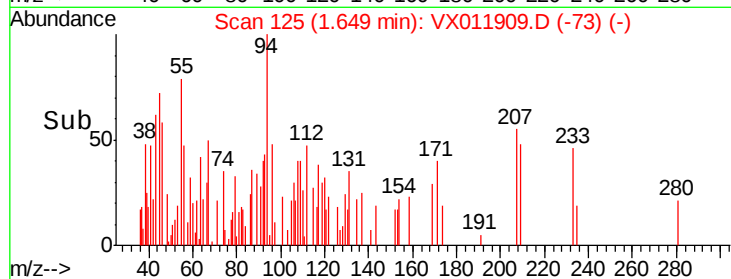
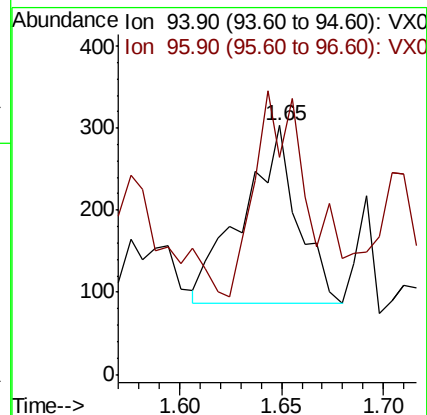
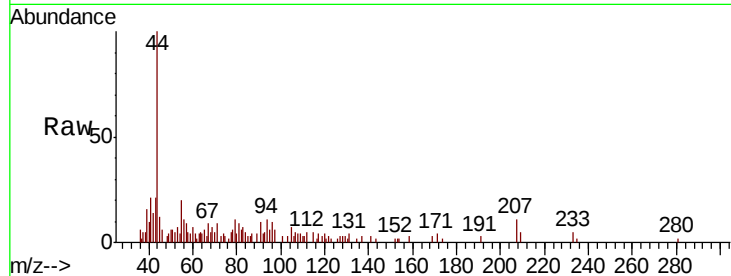
T1-2-E-(2.5)

Tot Ion: 94 Resp: 406

Ion Ratio Lower Upper

94 100

96 56.7 75.0 112.6#



#6

Chloroethane

Concen: 7.874 ug/l

RT: 1.69 min Scan# 132

Delta R.T. -0.02 min

Lab File: VX011909.D

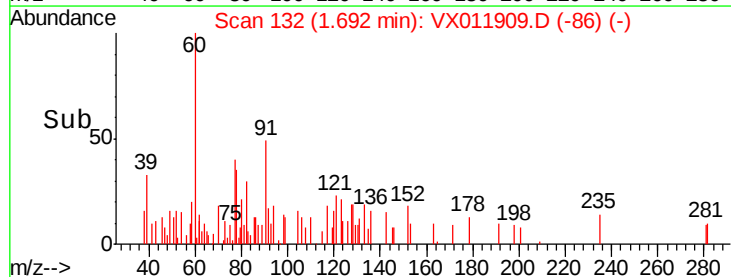
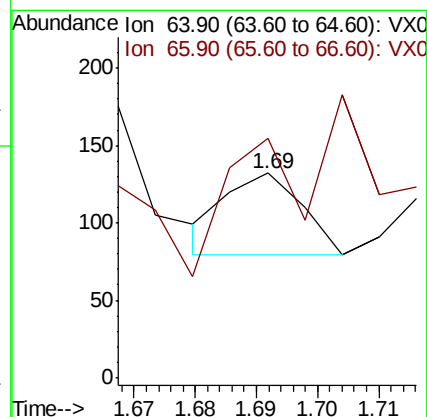
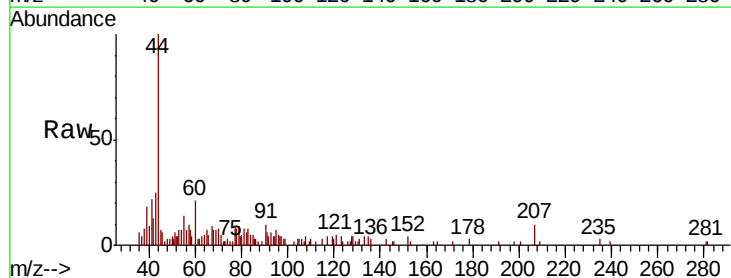
Acq: 30 Aug 2019 15:02

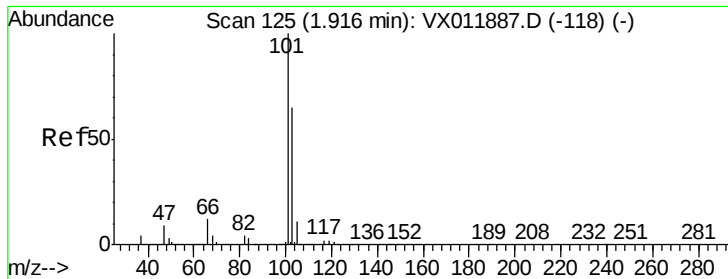
Tgt Ion: 64 Resp: 46

Ion Ratio Lower Upper

64 100

66 169.8 25.0 37.4#



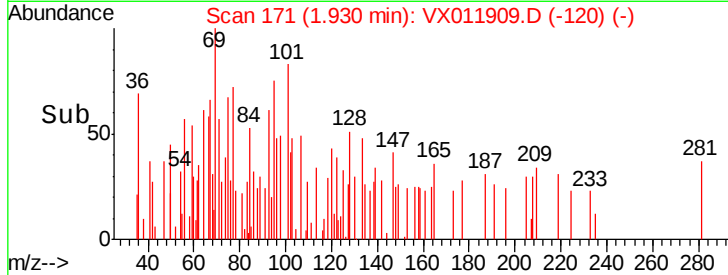
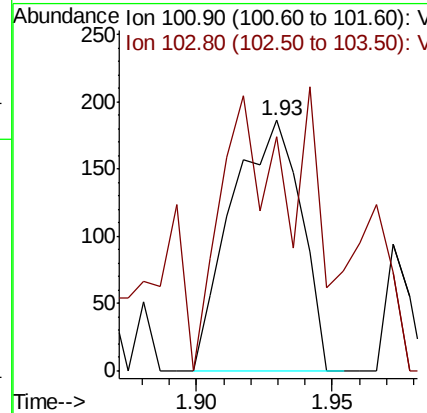
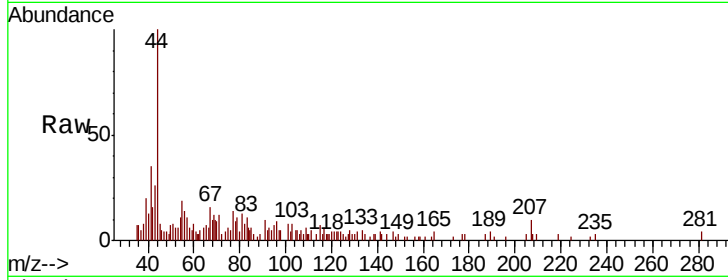


#7

Trichlorofluoromethane
Concen: 20.243 ug/l
RT: 1.93 min Scan# 171
Delta R.T. 0.01 min
Lab File: VX011909.D
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Instrument :
MSVOA_X
ClientSampled :
T1-2-E-(2.5)

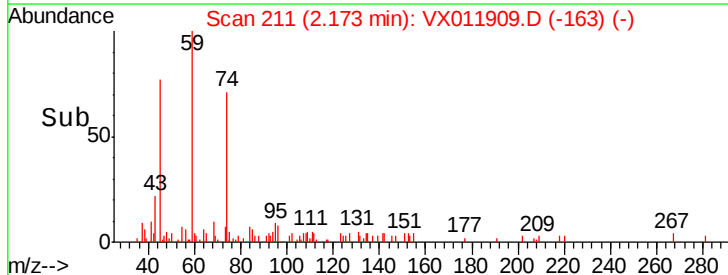
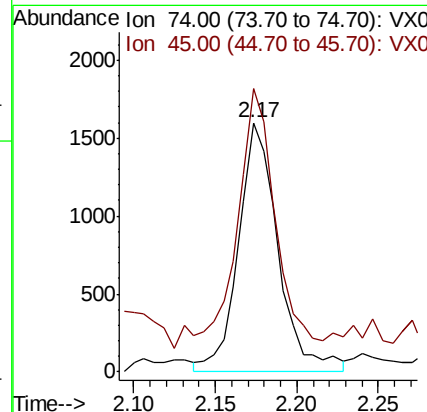
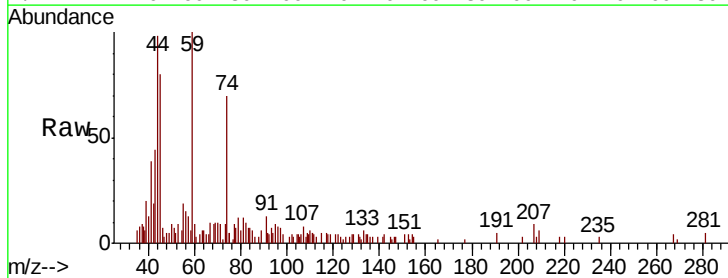
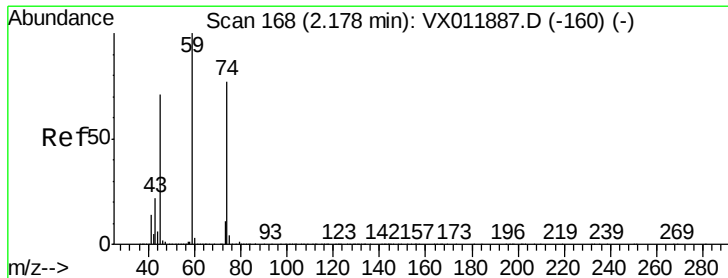
Tot Ion:101 Resp: 330
Ion Ratio Lower Upper
101 100
103 93.5 51.6 77.4#

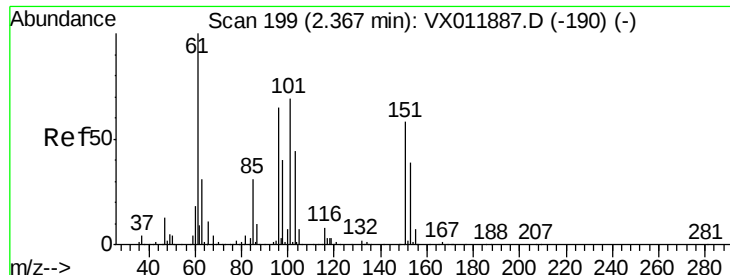


#8

Diethyl Ether
Concen: 483.351 ug/l
RT: 2.17 min Scan# 211
Delta R.T. -0.00 min
Lab File: VX011909.D
Acq: 30 Aug 2019 15:02

Tgt Ion: 74 Resp: 2708
Ion Ratio Lower Upper
74 100
45 101.4 46.7 140.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.141 ug/l

RT: 2.38 min Scan# 245

Delta R.T. 0.01 min

Lab File: VX011909.D

Acq: 30 Aug 2019 15:02

Instrument :

MSVOA_X

ClientSampled :

T1-2-E-(2.5)

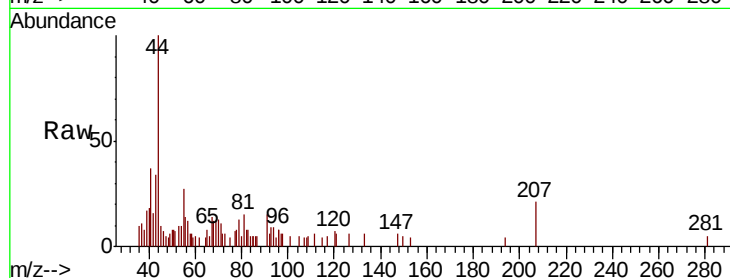
Tot Ion:101 Resp: 44

Ion Ratio Lower Upper

101 100

85 470.5 34.9 52.3#

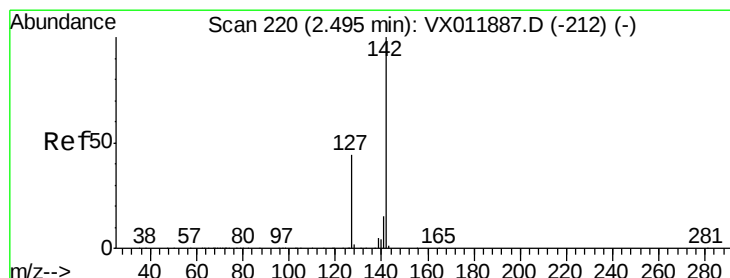
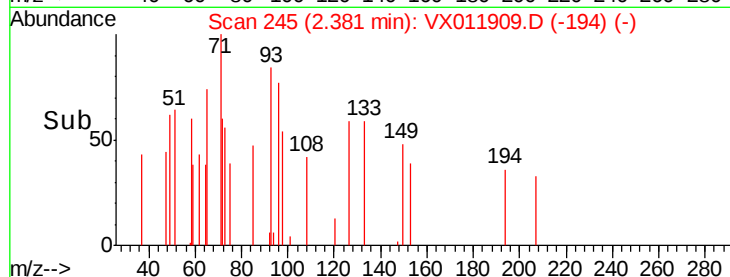
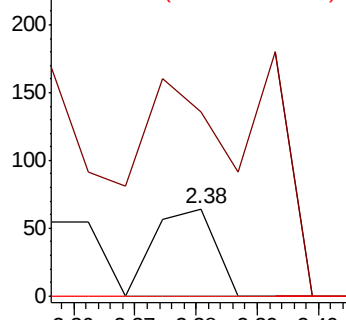
151 0.0 70.9 106.3#



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: 51.117 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.01 min

Lab File: VX011909.D

Acq: 30 Aug 2019 15:02

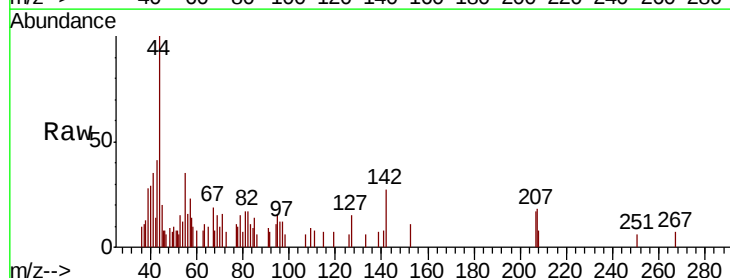
Tgt Ion:142 Resp: 594

Ion Ratio Lower Upper

142 100

127 36.0 35.7 53.5

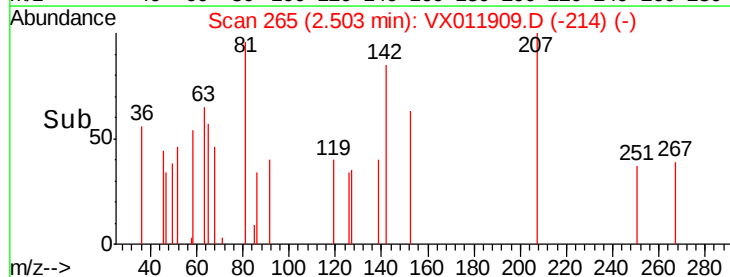
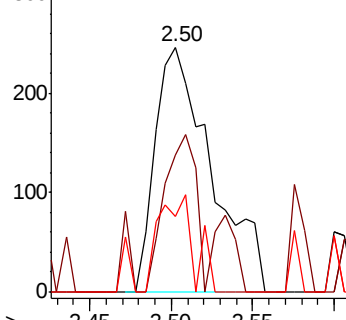
141 24.4 11.8 17.6#

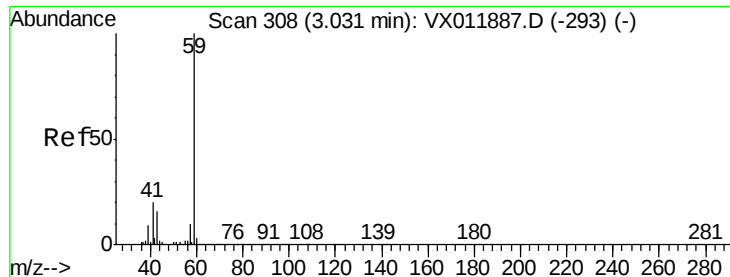


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



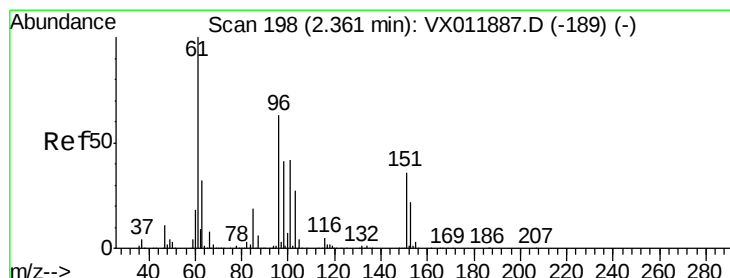
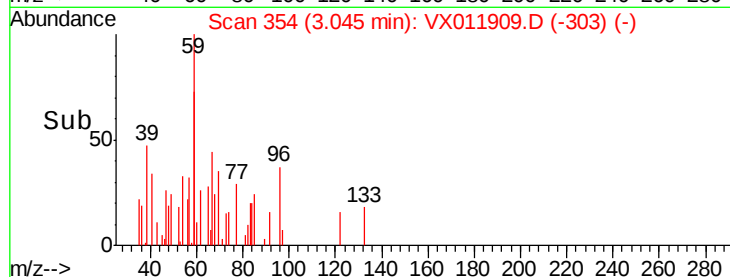
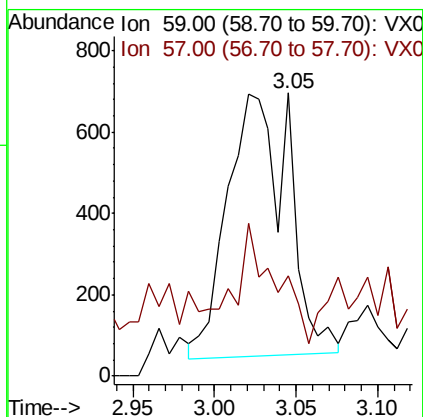
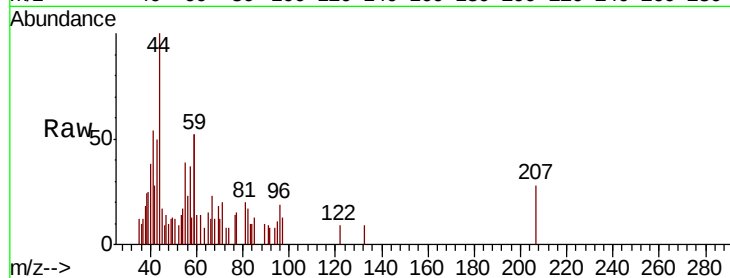


#11

Tert butyl alcohol
Concen: 1283.331 ug/l
RT: 3.05 min Scan# 354
Delta R.T. 0.01 min
Lab File: VX011909.D
Acq: 30 Aug 2019 15:02

Instrument :
MSVOA_X
ClientSampleId :
T1-2-E-(2.5)

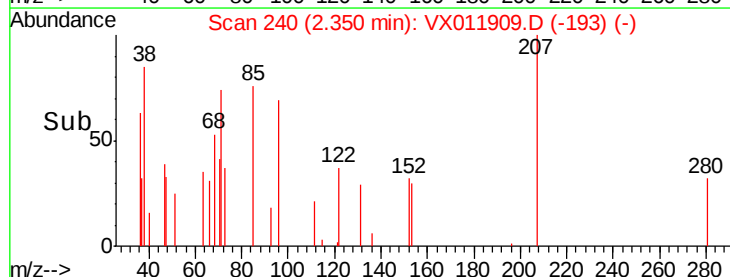
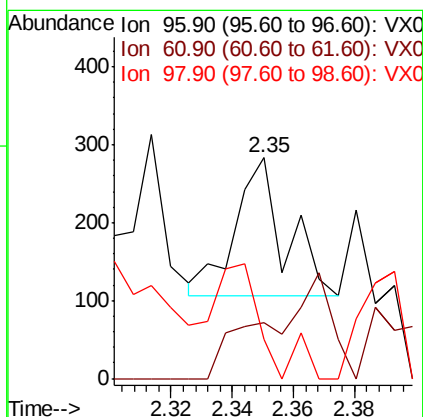
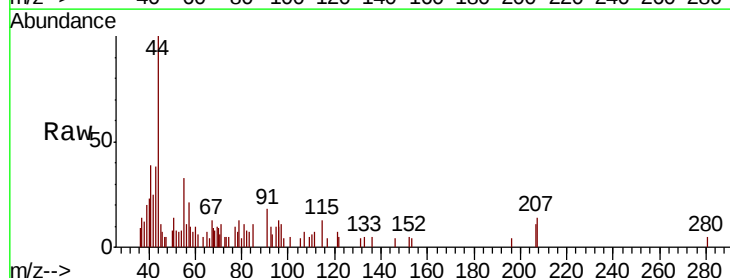
Tot Ion: 59 Resp: 1662
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

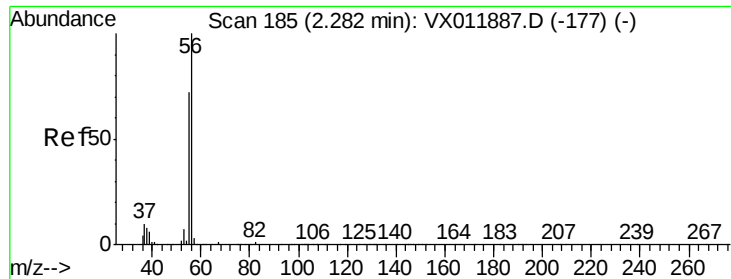


#12

1,1-Dichloroethene
Concen: 20.166 ug/l
RT: 2.35 min Scan# 240
Delta R.T. -0.01 min
Lab File: VX011909.D
Acq: 30 Aug 2019 15:02

Tgt Ion: 96 Resp: 199
Ion Ratio Lower Upper
96 100
61 40.1 126.6 190.0#
98 28.2 51.6 77.4#

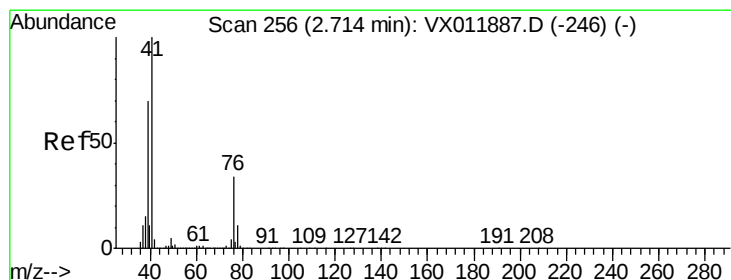
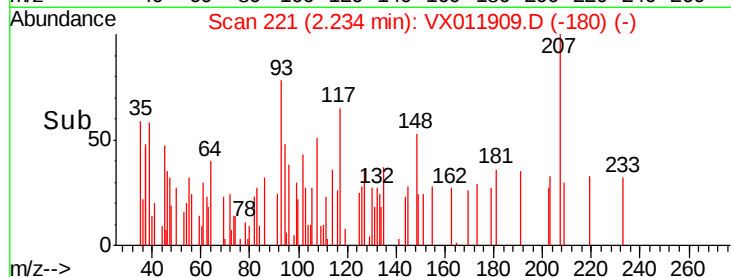
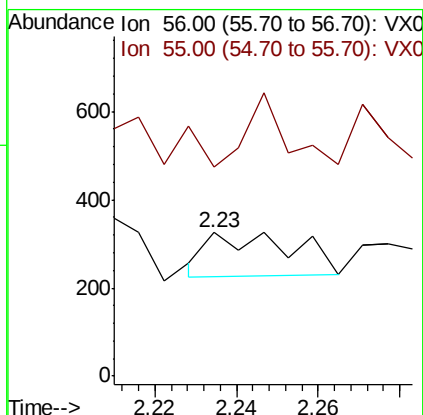
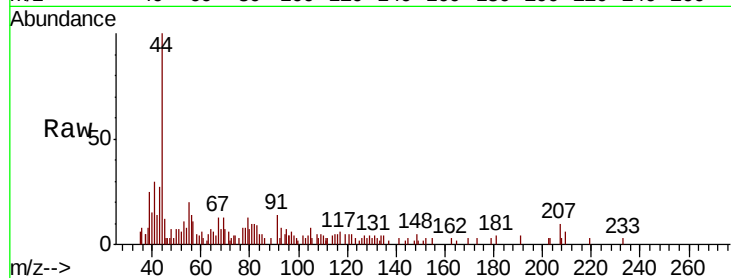




#13
Acrolein
Concen: 220.298 ug/l
RT: 2.23 min Scan# 221
Delta R.T. -0.05 min
Lab File: VX011909.D
Acq: 30 Aug 2019 15:02

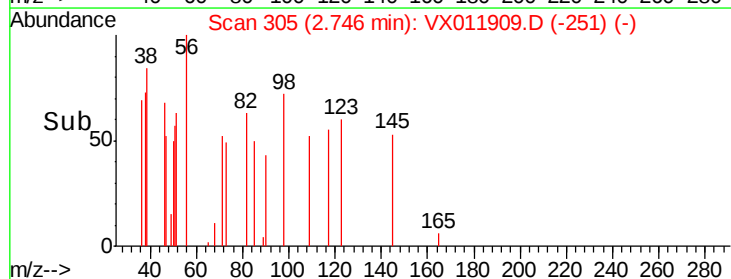
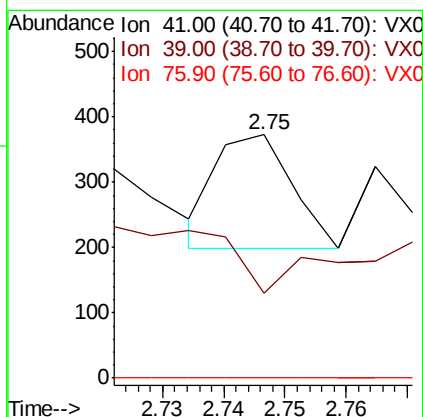
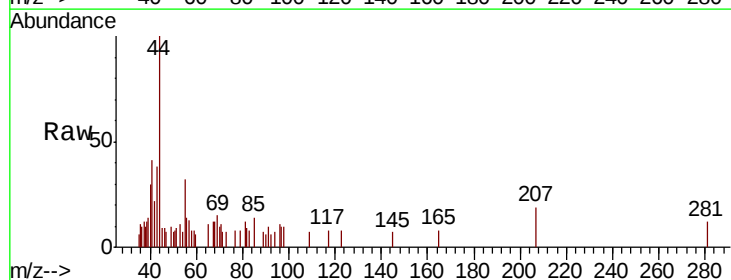
Instrument :
MSVOA_X
ClientSampled :
T1-2-E-(2.5)

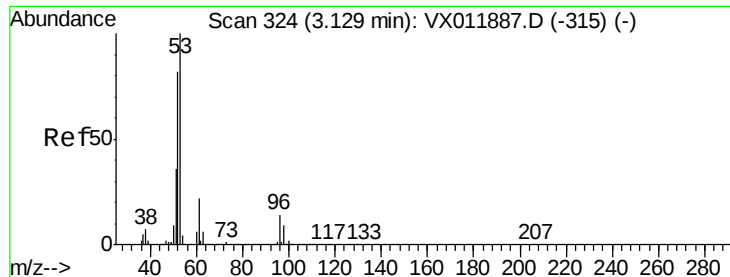
Tot Ion: 56 Resp: 142
Ion Ratio Lower Upper
56 100
55 0.0 58.6 88.0#



#14
Allyl chloride
Concen: 8.103 ug/l
RT: 2.75 min Scan# 305
Delta R.T. 0.03 min
Lab File: VX011909.D
Acq: 30 Aug 2019 15:02

Tgt Ion: 41 Resp: 150
Ion Ratio Lower Upper
41 100
39 0.0 55.0 82.6#
76 0.0 27.0 40.4#





#15

Acrylonitrile

Concen: 77.988 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX011909.D

Acq: 30 Aug 2019 15:02

Instrument :

MSVOA_X

ClientSampled :

T1-2-E-(2.5)

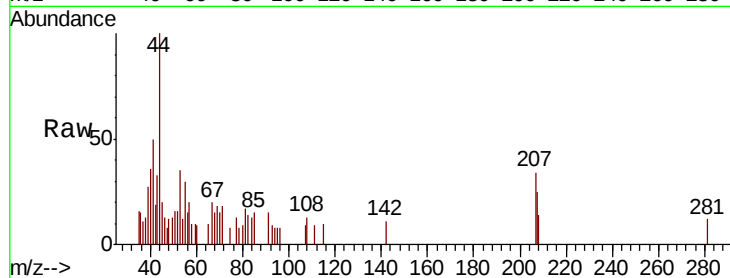
Tot Ion: 53 Resp: 240

Ion Ratio Lower Upper

53 100

52 0.0 65.3 97.9#

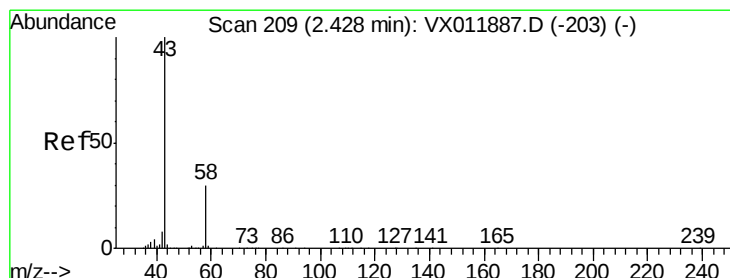
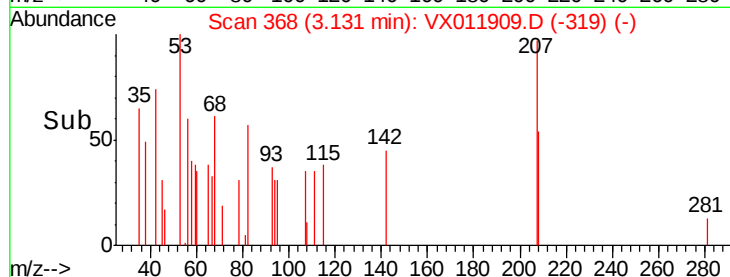
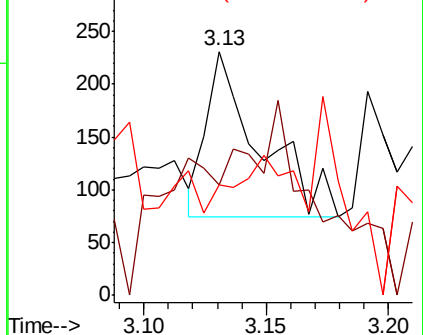
51 0.0 29.4 44.2#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 18125.519 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX011909.D

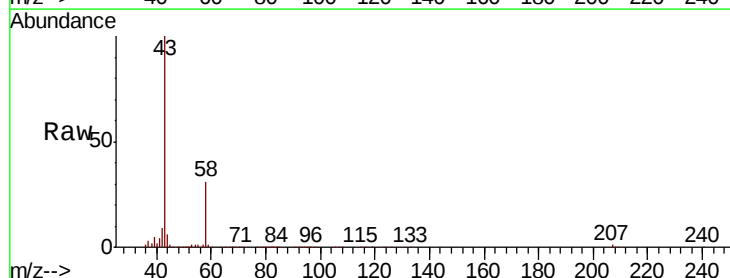
Acq: 30 Aug 2019 15:02

Tgt Ion: 43 Resp: 52497

Ion Ratio Lower Upper

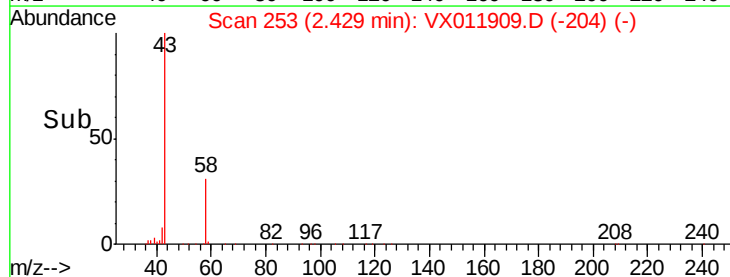
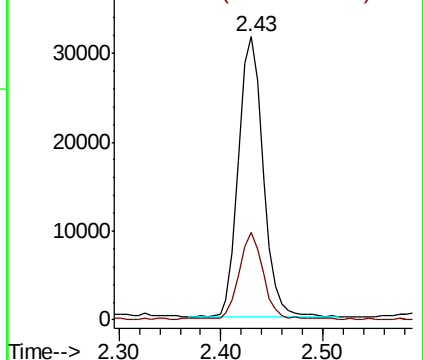
43 100

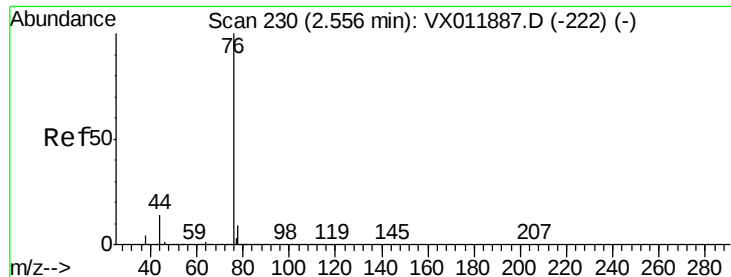
58 30.8 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

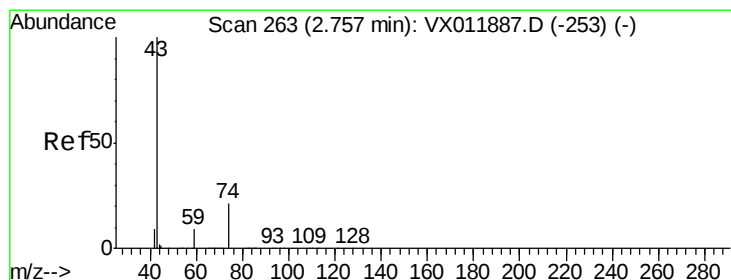
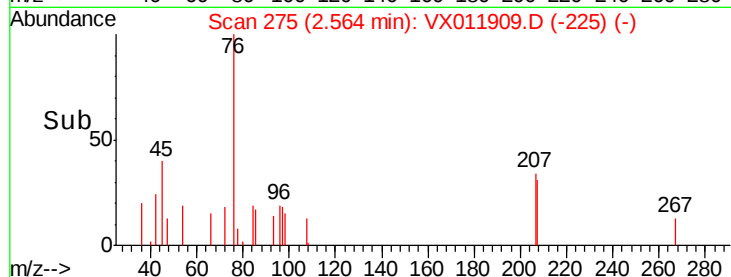
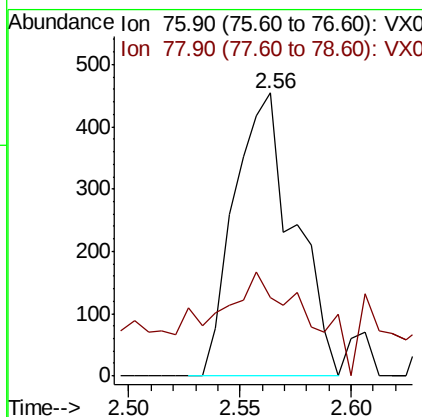
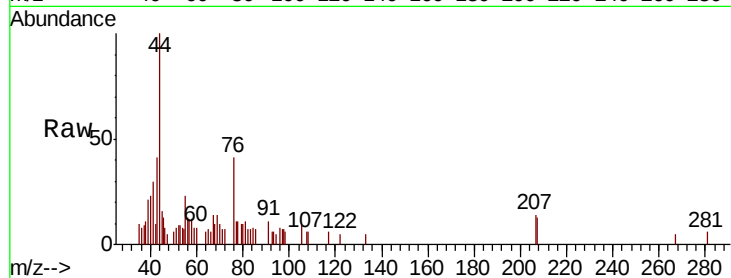




#17
Carbon Disulfide
Concen: 29.924 ug/l
RT: 2.56 min Scan# 275
Delta R.T. 0.01 min
Lab File: VX011909.D
Acq: 30 Aug 2019 15:02

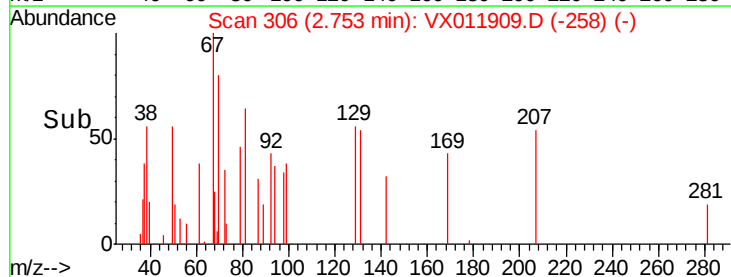
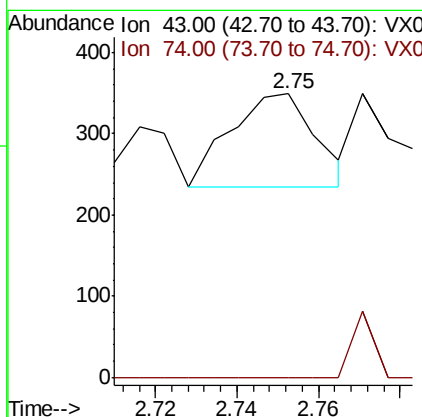
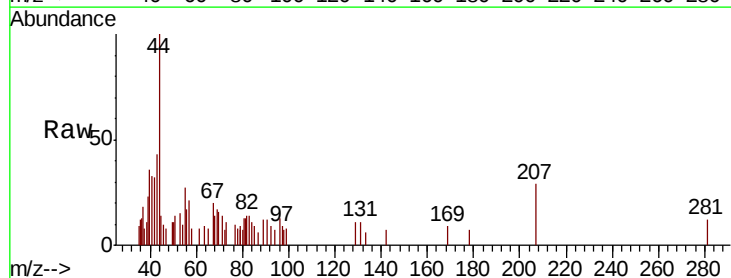
Instrument :
MSVOA_X
ClientSampled :
T1-2-E-(2.5)

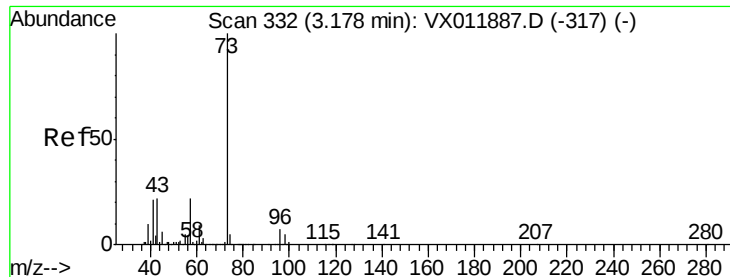
Tot Ion: 76 Resp: 847
Ion Ratio Lower Upper
76 100
78 5.7 7.3 10.9#



#18
Methyl Acetate
Concen: 20.830 ug/l
RT: 2.75 min Scan# 306
Delta R.T. -0.00 min
Lab File: VX011909.D
Acq: 30 Aug 2019 15:02

Tgt Ion: 43 Resp: 167
Ion Ratio Lower Upper
43 100
74 0.0 18.4 27.6#



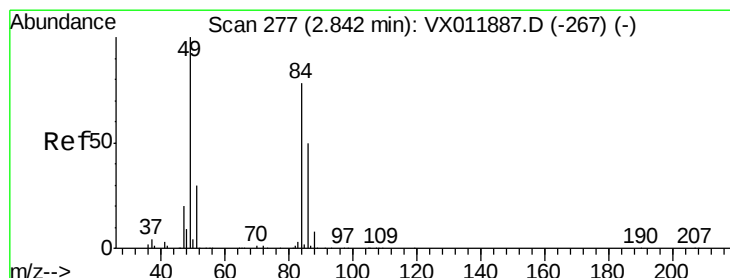
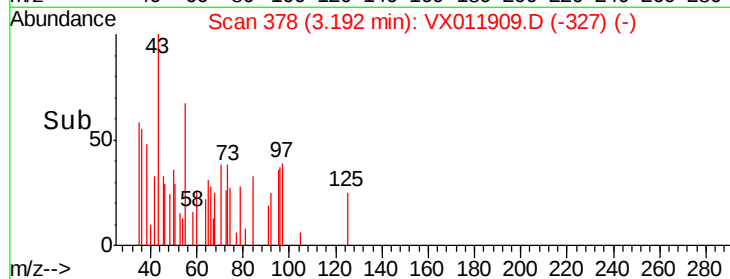
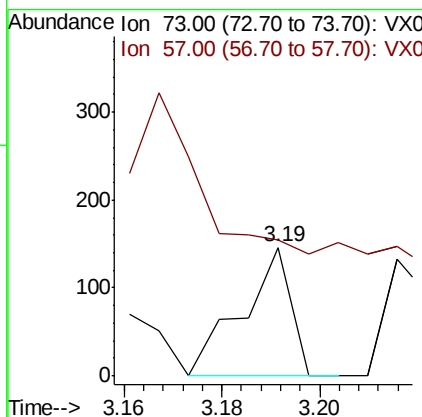
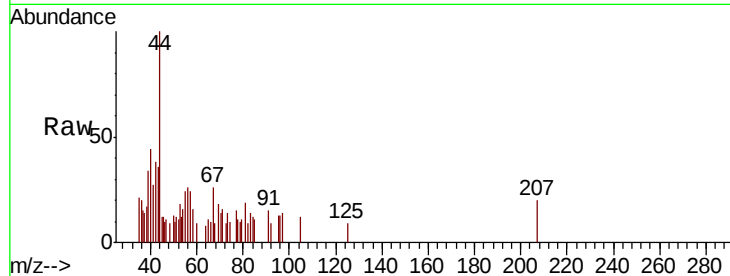


#19

Methyl tert-butyl Ether
 Concen: 3.159 ug/l
 RT: 3.19 min Scan# 378
 Delta R.T. 0.01 min
 Lab File: VX011909.D
 Acq: 30 Aug 2019 15:02

Instrument :
 MSVOA_X
 ClientSampled :
 T1-2-E-(2.5)

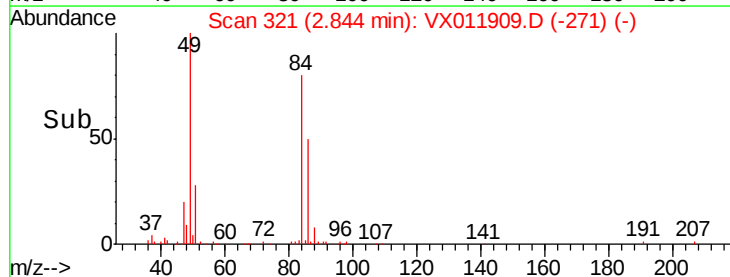
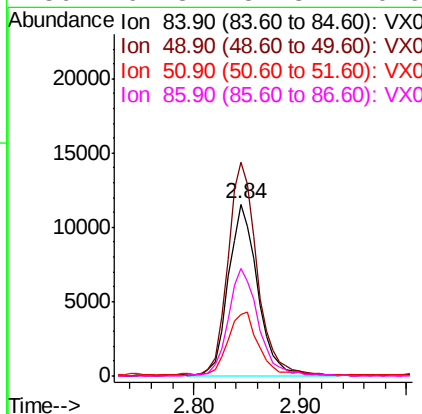
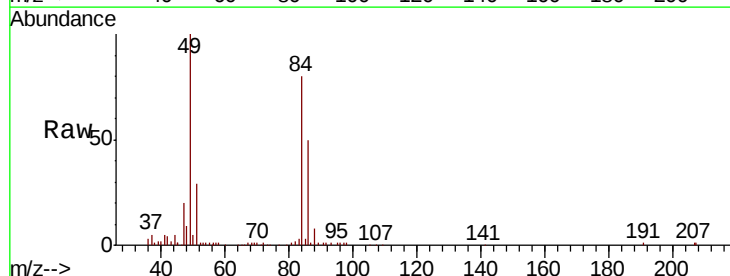
Tot Ion: 73 Resp: 101
 Ion Ratio Lower Upper
 73 100
 57 2.7 17.4 26.0#

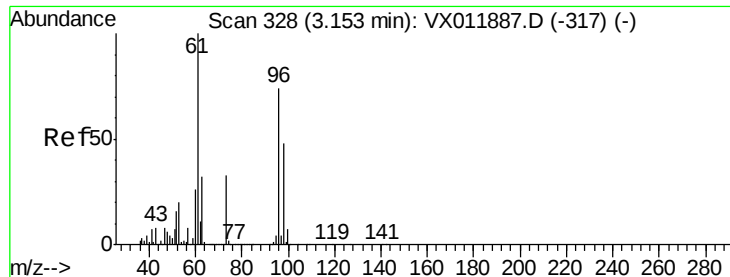


#20

Methylene Chloride
 Concen: 2006.299 ug/l
 RT: 2.84 min Scan# 321
 Delta R.T. 0.00 min
 Lab File: VX011909.D
 Acq: 30 Aug 2019 15:02

Tgt Ion: 84 Resp: 22420
 Ion Ratio Lower Upper
 84 100
 49 123.8 103.0 154.4
 51 34.7 30.8 46.2
 86 62.3 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 15.141 ug/l

RT: 3.15 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX011909.D

Acq: 30 Aug 2019 15:02

Instrument :

MSVOA_X

ClientSampled :

T1-2-E-(2.5)

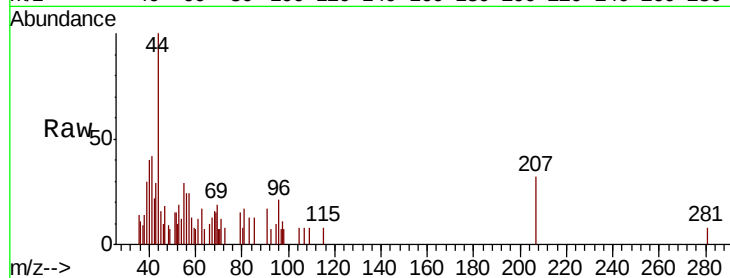
Tot Ion: 96 Resp: 176

Ion Ratio Lower Upper

96 100

61 0.0 107.4 161.2#

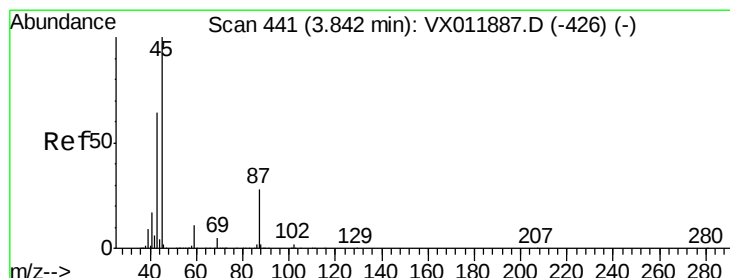
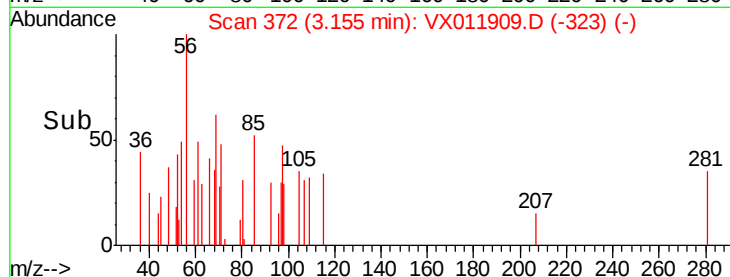
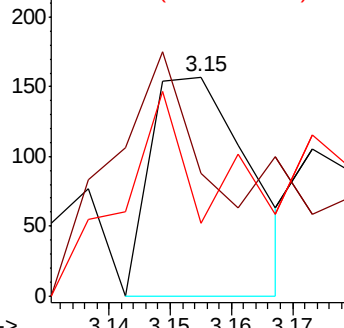
98 0.0 51.4 77.2#



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: 5.478 ug/l

RT: 3.83 min Scan# 483

Delta R.T. -0.01 min

Lab File: VX011909.D

Acq: 30 Aug 2019 15:02

Tgt Ion: 45 Resp: 207

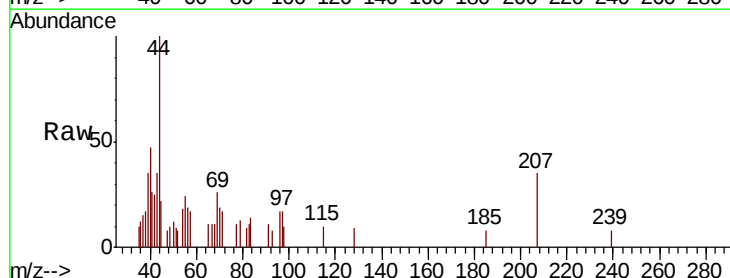
Ion Ratio Lower Upper

45 100

43 6.9 51.0 76.6#

87 0.0 22.0 33.0#

59 0.0 9.1 13.7#

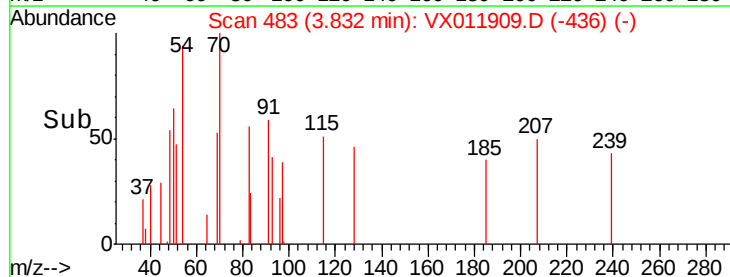
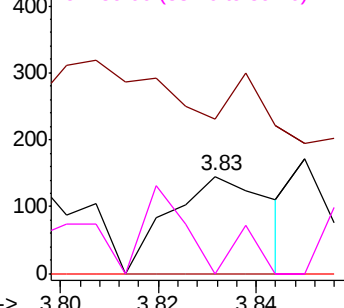


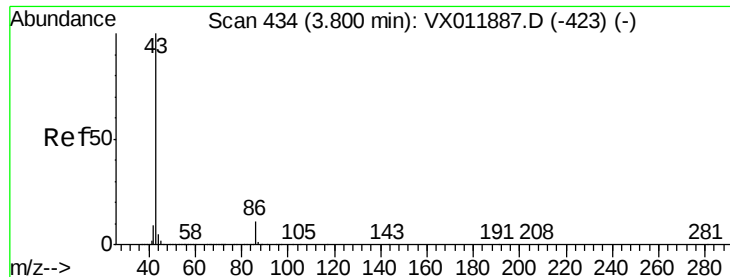
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 22.802 ug/l

RT: 3.81 min Scan# 479

Delta R.T. 0.01 min

Lab File: VX011909.D

Acq: 30 Aug 2019 15:02

Instrument :

MSVOA_X

ClientSampled :

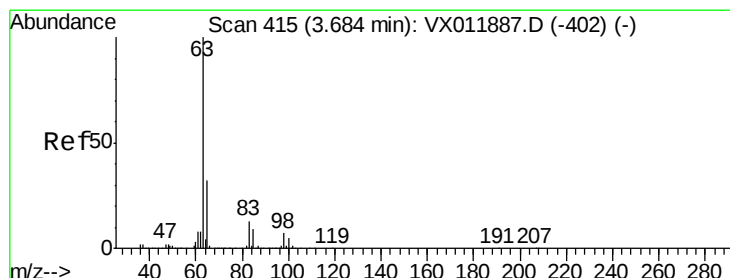
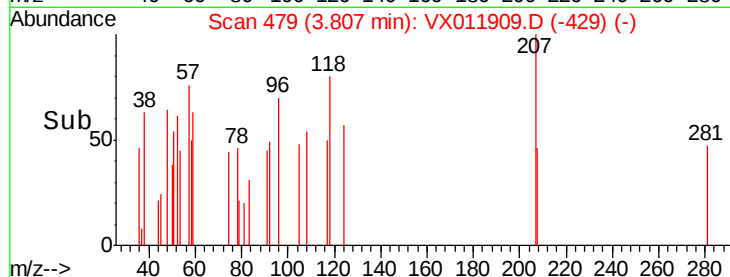
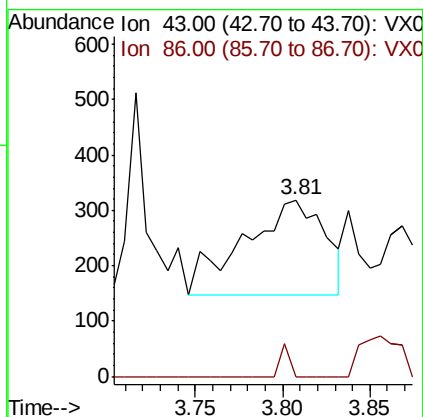
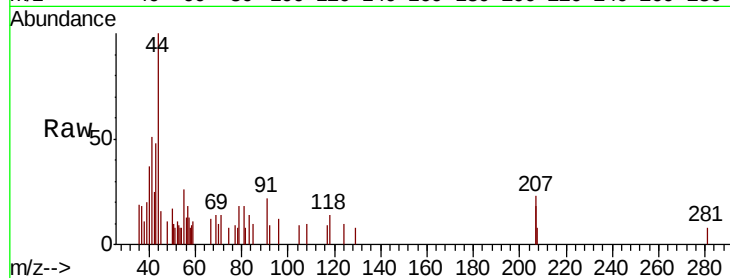
T1-2-E-(2.5)

Tot Ion: 43 Resp: 554

Ion Ratio Lower Upper

43 100

86 0.0 8.6 12.8#



#24

1,1-Dichloroethane

Concen: 4.223 ug/l

RT: 3.70 min Scan# 462

Delta R.T. 0.02 min

Lab File: VX011909.D

Acq: 30 Aug 2019 15:02

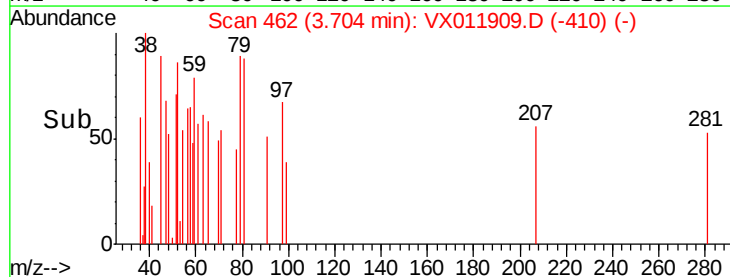
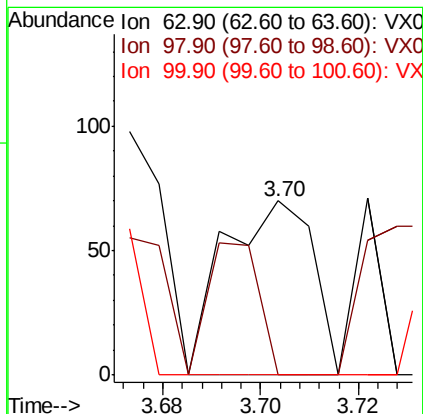
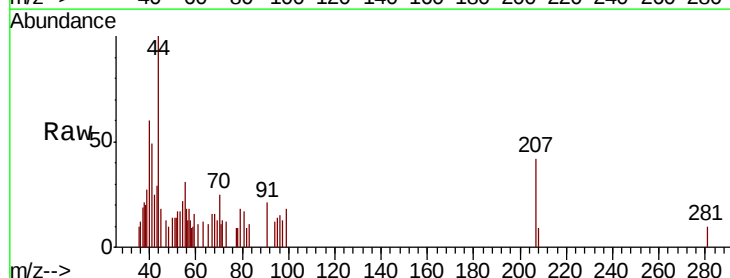
Tgt Ion: 63 Resp: 88

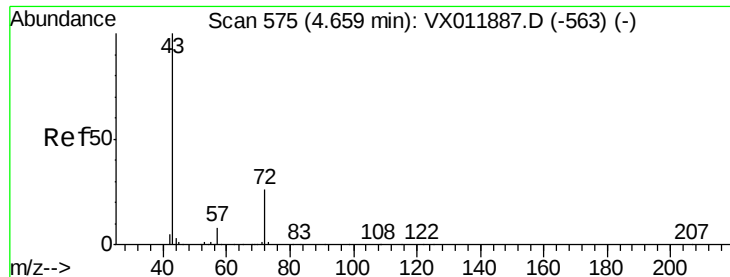
Ion Ratio Lower Upper

63 100

98 0.0 3.8 11.2#

100 0.0 2.4 7.2#





#25

2-Butanone

Concen: 331.171 ug/l

RT: 4.67 min Scan# 621

Delta R.T. 0.01 min

Lab File: VX011909.D

Acq: 30 Aug 2019 15:02

Instrument :

MSVOA_X

ClientSampled :

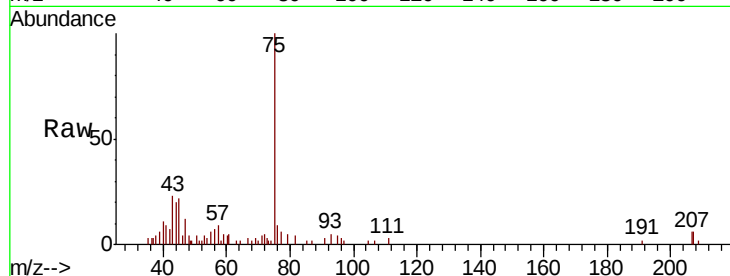
T1-2-E-(2.5)

Tot Ion: 43 Resp: 1397

Ion Ratio Lower Upper

43 100

72 53.3 21.0 31.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.67

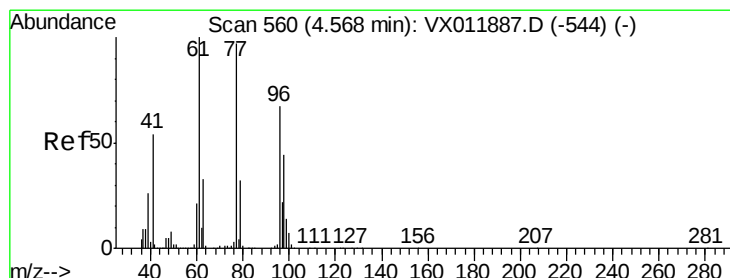
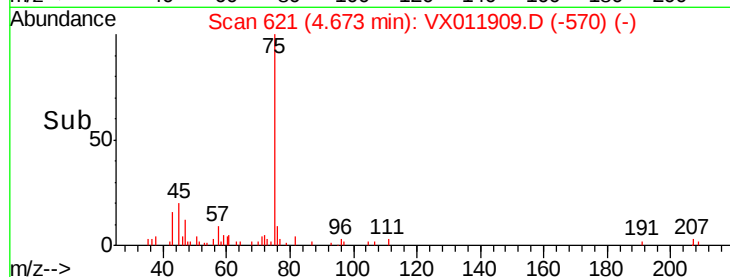
600

400

200

0

Time-->



#26

2,2-Dichloropropane

Concen: 14.990 ug/l

RT: 4.39 min Scan# 575

Delta R.T. -0.18 min

Lab File: VX011909.D

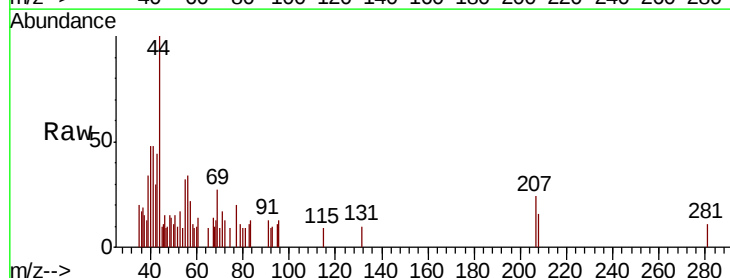
Acq: 30 Aug 2019 15:02

Tgt Ion: 77 Resp: 262

Ion Ratio Lower Upper

77 100

97 22.1 11.7 35.1



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

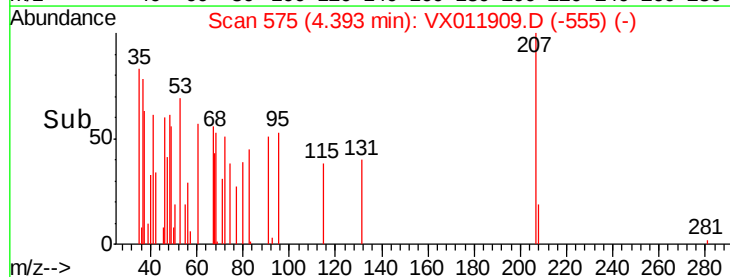
4.39

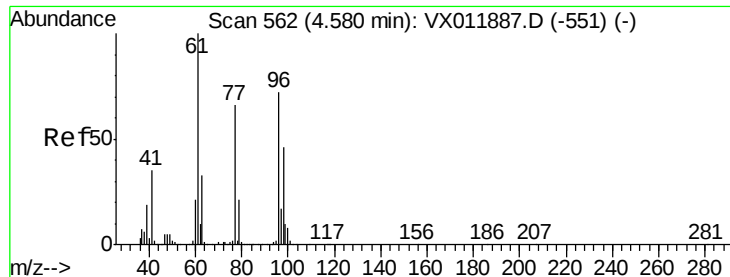
100

50

0

Time-->



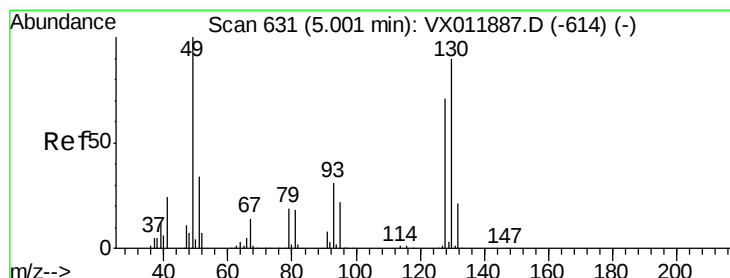
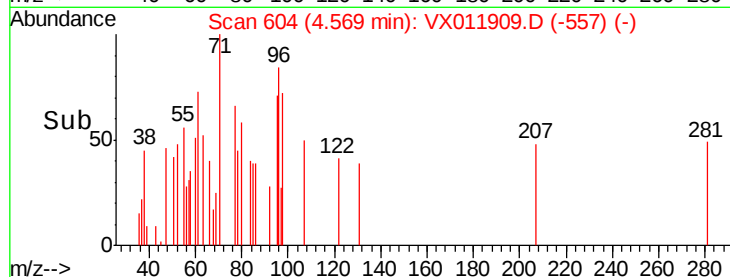
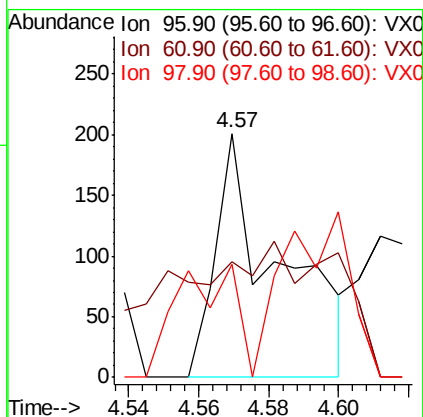
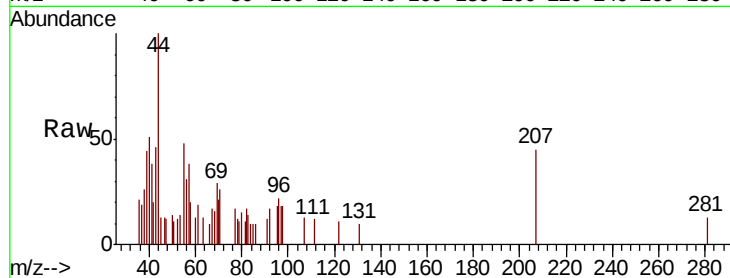


#27

cis-1,2-Dichloroethene
 Concen: 18.551 ug/l
 RT: 4.57 min Scan# 604
 Delta R.T. -0.01 min
 Lab File: VX011909.D
 Acq: 30 Aug 2019 15:02

Instrument :
 MSVOA_X
 ClientSampled :
 T1-2-E-(2.5)

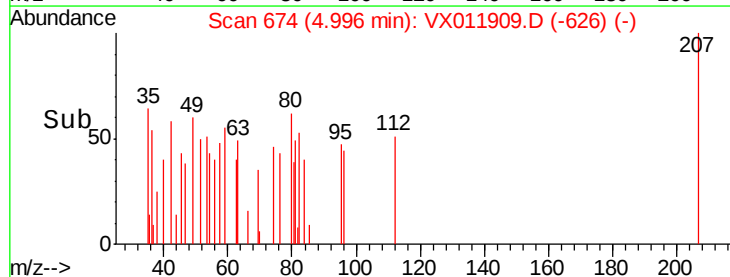
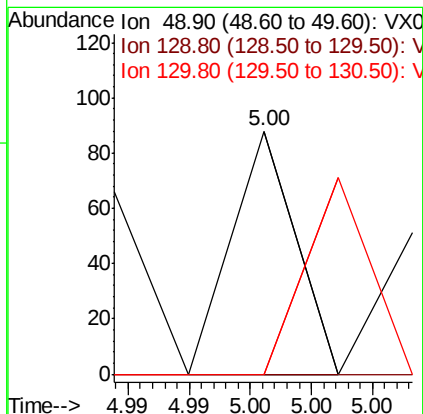
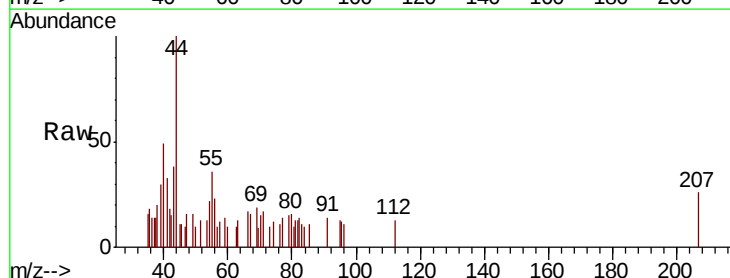
Tot Ion: 96 Resp: 254
 Ion Ratio Lower Upper
 96 100
 61 156.7 0.0 283.8
 98 42.1 0.0 131.2

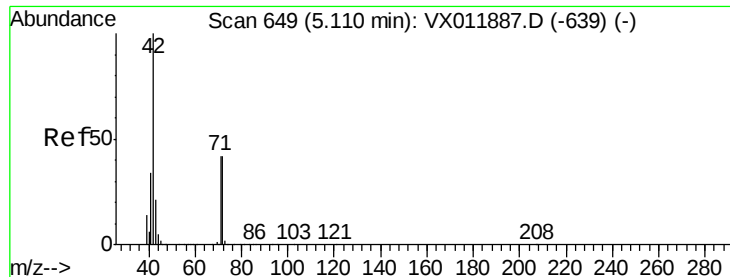


#28

Bromochloromethane
 Concen: 3.422 ug/l
 RT: 5.00 min Scan# 674
 Delta R.T. -0.00 min
 Lab File: VX011909.D
 Acq: 30 Aug 2019 15:02

Tgt Ion: 49 Resp: 32
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 4.8
 130 81.3 70.6 105.8





#29

Tetrahydrofuran

Concen: 2045.995 ug/l

RT: 5.12 min Scan# 695

Delta R.T. 0.01 min

Lab File: VX011909.D

Acq: 30 Aug 2019 15:02

Instrument :

MSVOA_X

ClientSampled :

T1-2-E-(2.5)

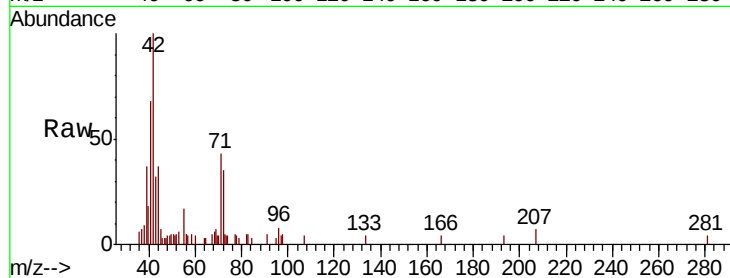
Tot Ion: 42 Resp: 5387

Ion Ratio Lower Upper

42 100

72 21.2 36.2 54.4#

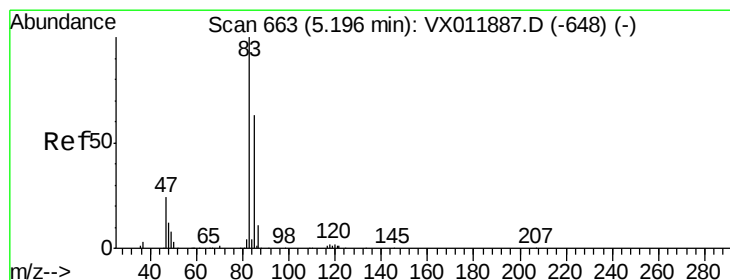
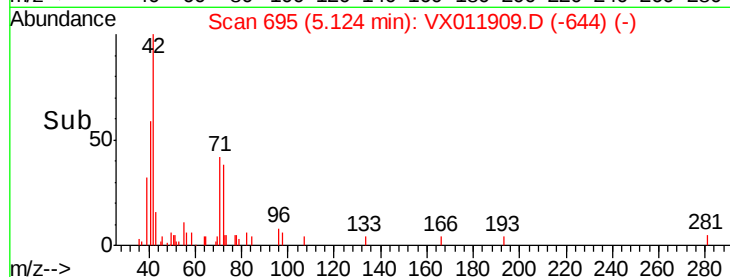
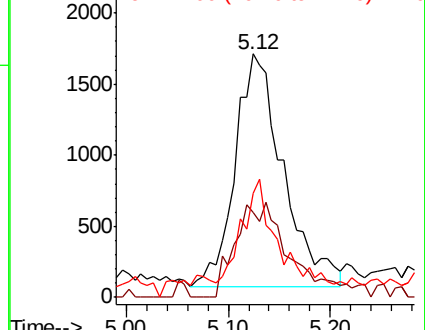
71 33.2 33.1 49.7



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: 60.453 ug/l

RT: 5.20 min Scan# 707

Delta R.T. 0.00 min

Lab File: VX011909.D

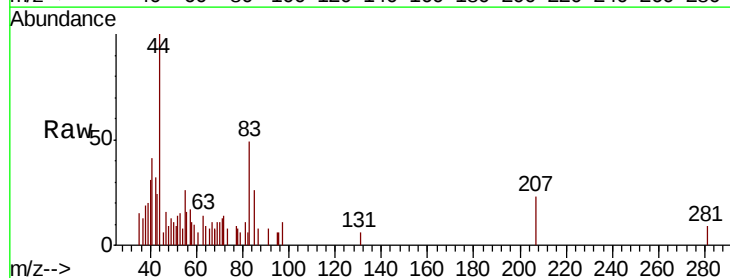
Acq: 30 Aug 2019 15:02

Tgt Ion: 83 Resp: 1347

Ion Ratio Lower Upper

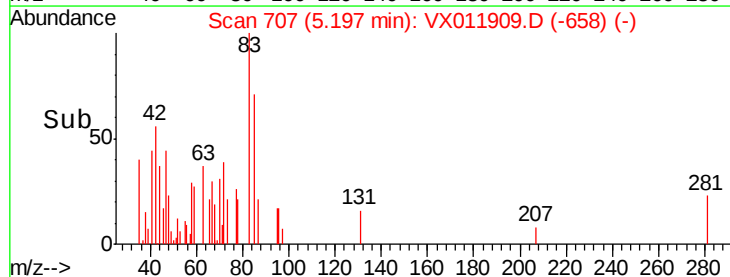
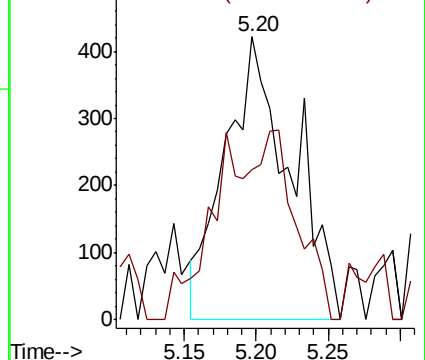
83 100

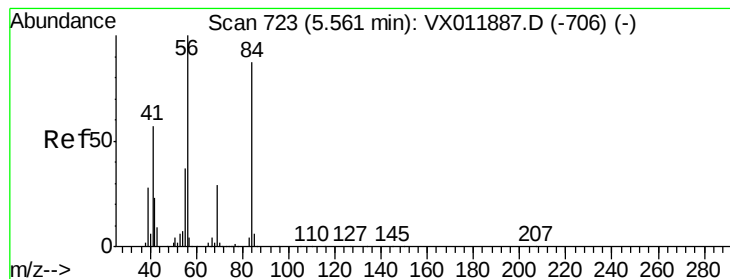
85 52.8 50.6 75.8



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 7.437 ug/l

RT: 5.58 min Scan# 769

Delta R.T. 0.01 min

Lab File: VX011909.D

Acq: 30 Aug 2019 15:02

Instrument :

MSVOA_X

ClientSampled :

T1-2-E-(2.5)

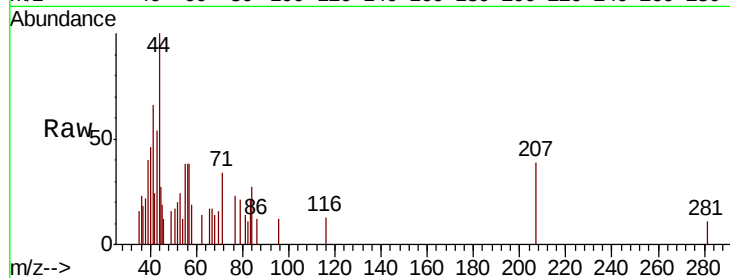
Tot Ion: 56 Resp: 125

Ion Ratio Lower Upper

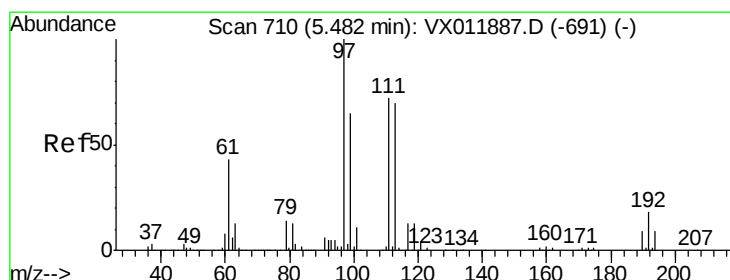
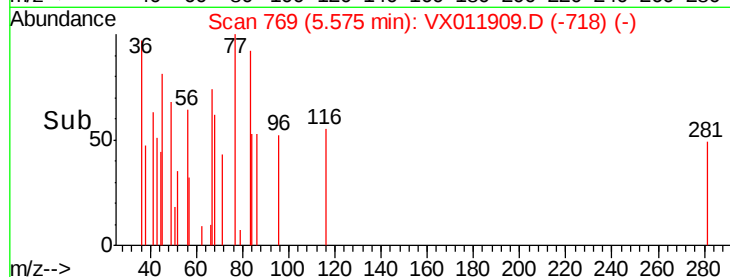
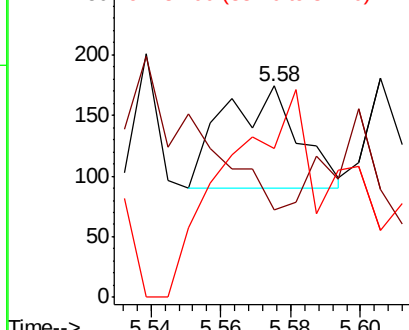
56 100

69 0.0 23.1 34.7#

84 78.6 69.6 104.4



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: 5.608 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX011909.D

Acq: 30 Aug 2019 15:02

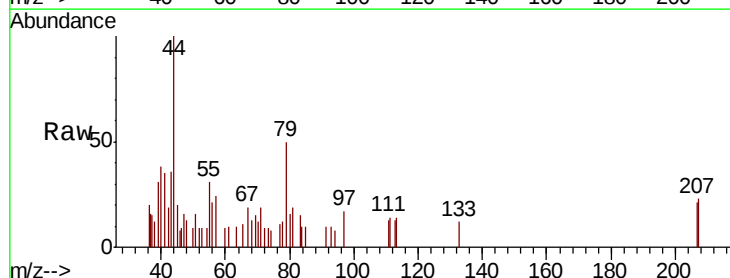
Tgt Ion: 97 Resp: 111

Ion Ratio Lower Upper

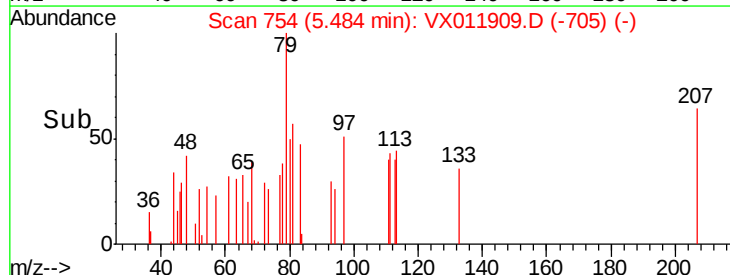
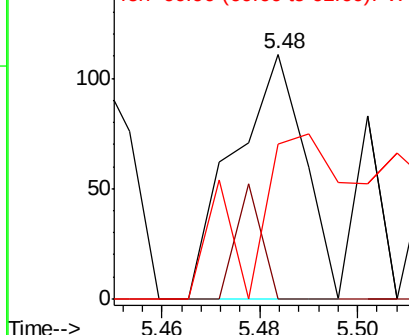
97 100

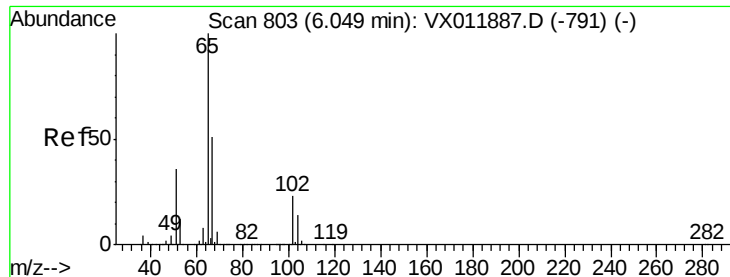
99 17.1 51.8 77.8#

61 141.4 33.8 50.6#



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: 85.282 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX011909.D

Acq: 30 Aug 2019 15:02

Instrument :

MSVOA_X

ClientSampleId :

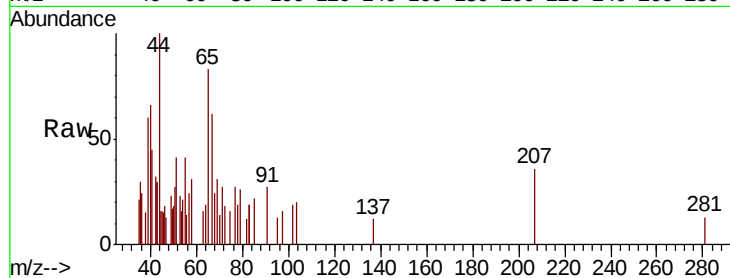
T1-2-E-(2.5)

Tot Ion: 65 Resp: 1148

Ion Ratio Lower Upper

65 100

67 26.8 0.0 102.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

300

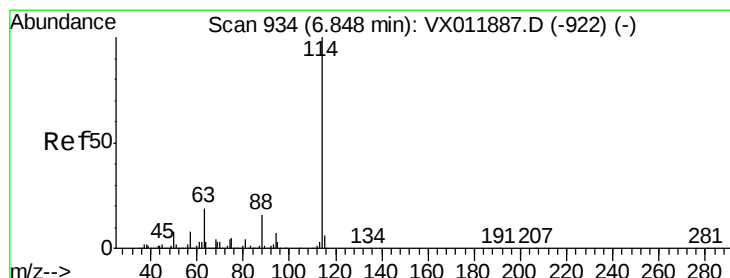
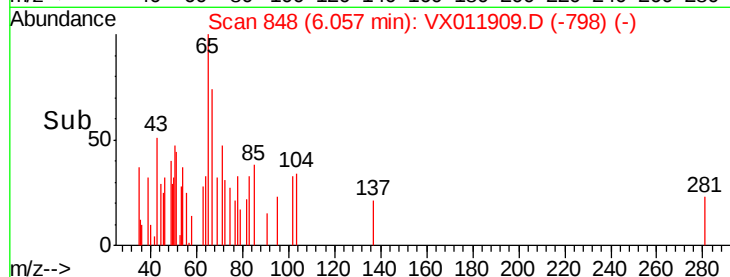
200

100

0

6.00 6.05 6.10 6.15

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 979

Delta R.T. 0.01 min

Lab File: VX011909.D

Acq: 30 Aug 2019 15:02

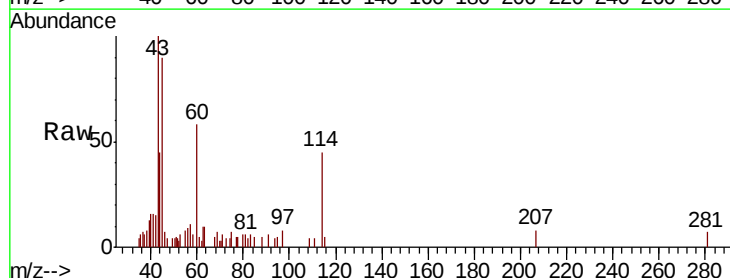
Tgt Ion: 114 Resp: 2014

Ion Ratio Lower Upper

114 100

63 43.9 0.0 38.8#

88 11.2 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

1000

800

600

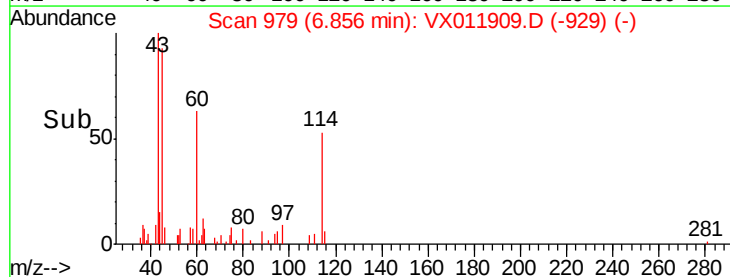
400

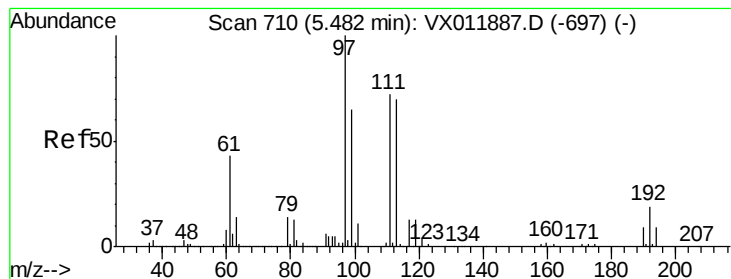
200

0

6.75 6.80 6.85 6.90 6.95

Time-->





#35

Dibromofluoromethane

Concen: 31.437 ug/l

RT: 5.48 min Scan# 753

Delta R.T. -0.00 min

Lab File: VX011909.D

Acq: 30 Aug 2019 15:02

Instrument :

MSVOA_X

ClientSampled :

T1-2-E-(2.5)

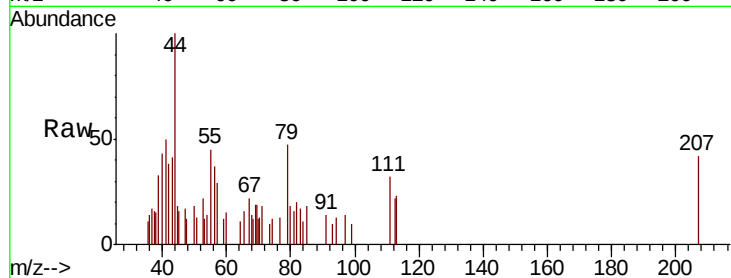
Tot Ion:113 Resp: 406

Ion Ratio Lower Upper

113 100

111 0.0 82.1 123.1#

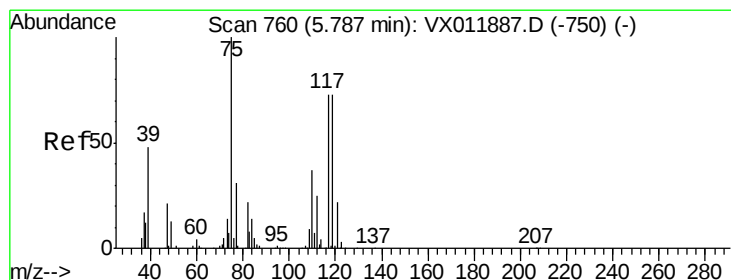
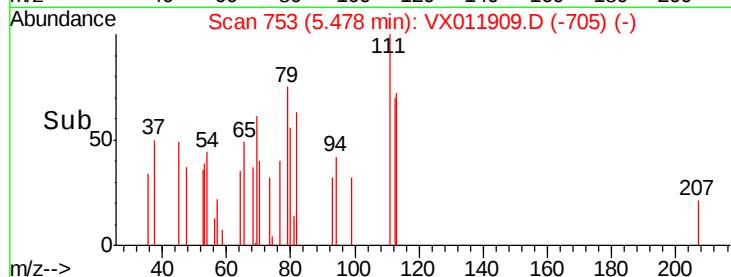
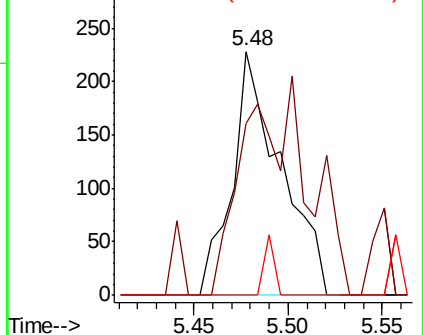
192 4.9 21.5 32.3#



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: 1.504 ug/l

RT: 5.78 min Scan# 803

Delta R.T. -0.00 min

Lab File: VX011909.D

Acq: 30 Aug 2019 15:02

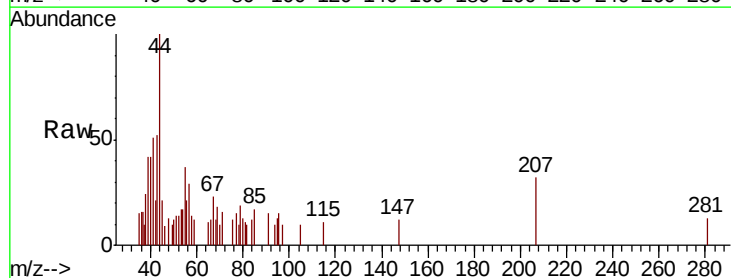
Tgt Ion: 75 Resp: 24

Ion Ratio Lower Upper

75 100

110 0.0 19.1 57.3#

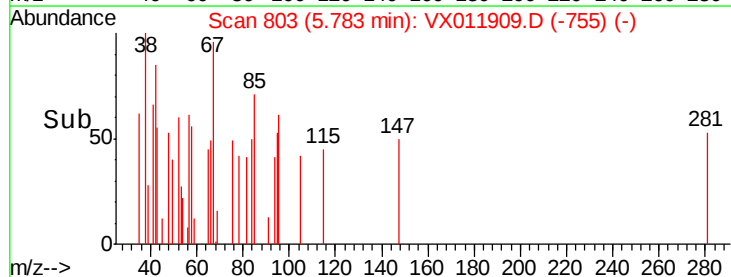
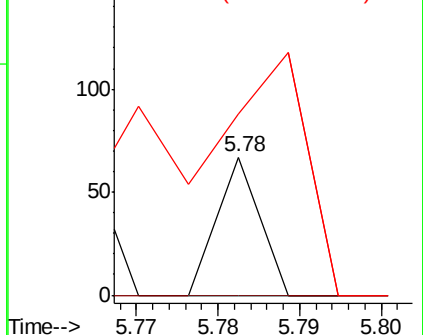
77 0.0 24.4 36.6#

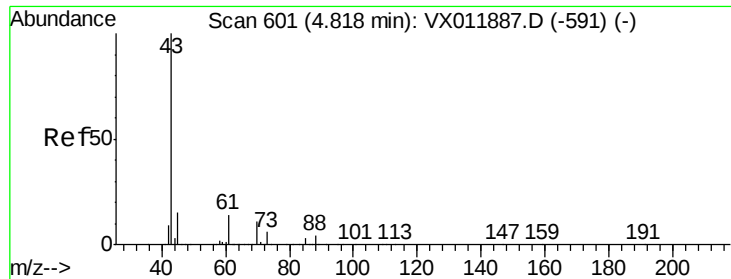


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

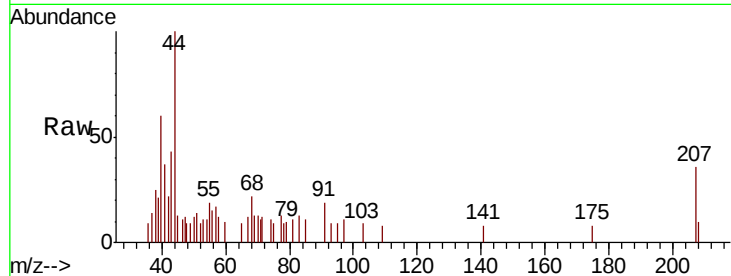




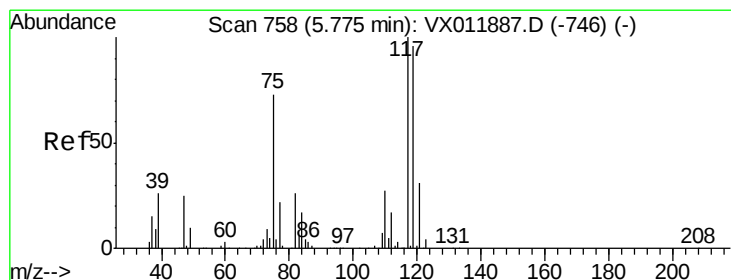
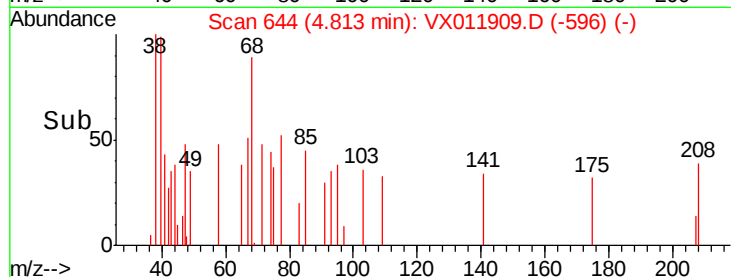
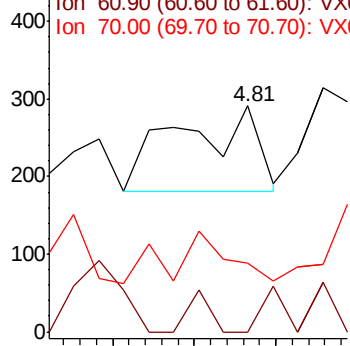
#37
Ethyl Acetate
Concen: 15.670 ug/l
RT: 4.81 min Scan# 644
Delta R.T. -0.00 min
Lab File: VX011909.D
Acq: 30 Aug 2019 15:02

Instrument :
MSVOA_X
ClientSampled :
T1-2-E-(2.5)

Tot Ion: 43 Resp: 148
Ion Ratio Lower Upper
43 100
61 14.2 11.0 16.4
70 0.0 9.2 13.8#

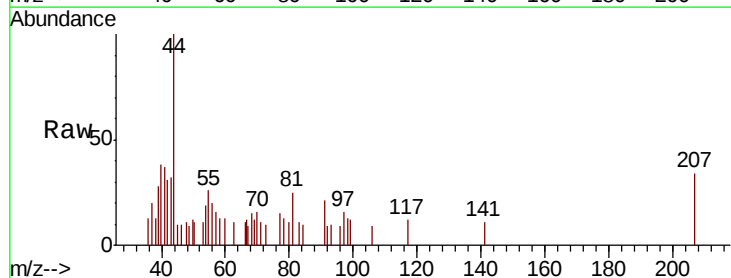


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

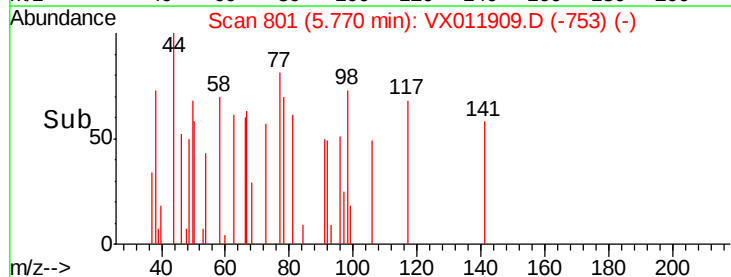
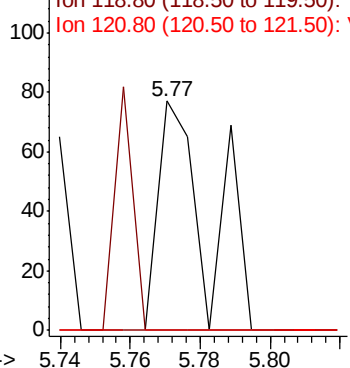


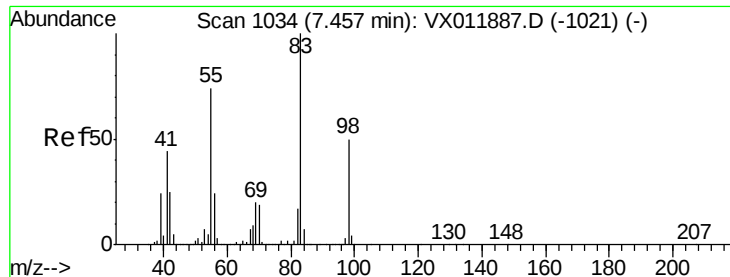
#38
Carbon Tetrachloride
Concen: 4.161 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.00 min
Lab File: VX011909.D
Acq: 30 Aug 2019 15:02

Tgt Ion: 117 Resp: 77
Ion Ratio Lower Upper
117 100
119 0.0 76.6 114.8#
121 0.0 24.7 37.1#



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

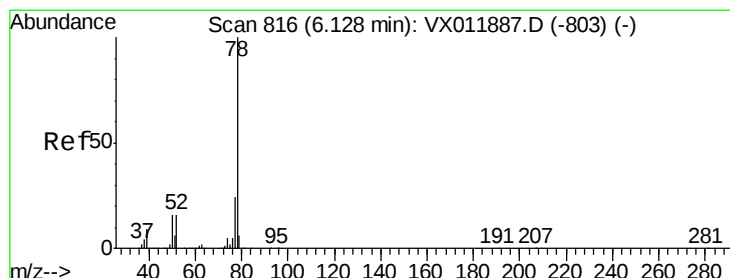
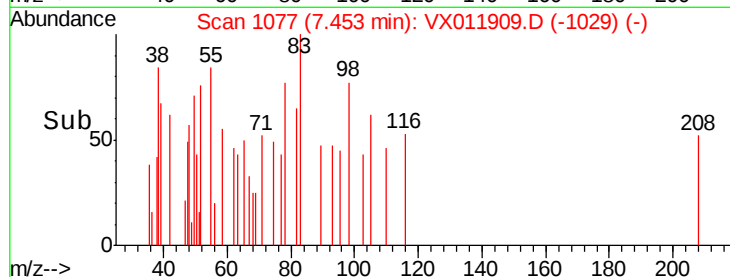
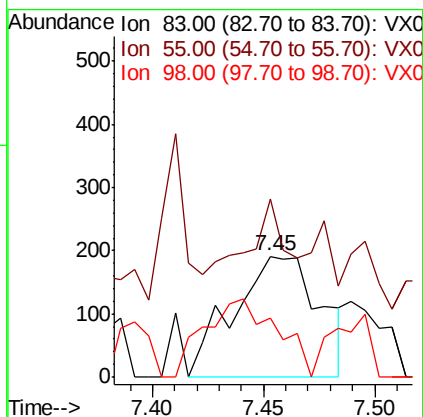
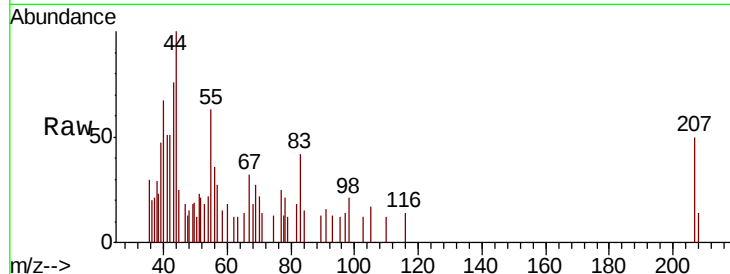




#39
Methvlcvclohexane
Concen: 27.151 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VX011909.D
Acq: 30 Aug 2019 15:02

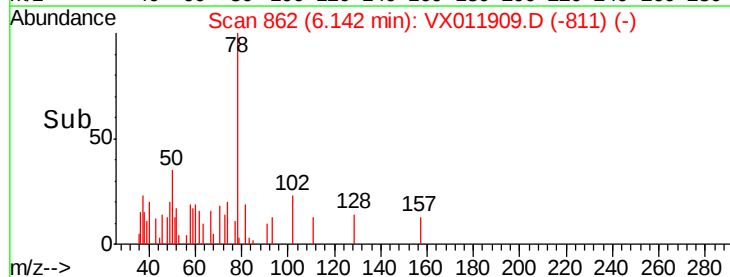
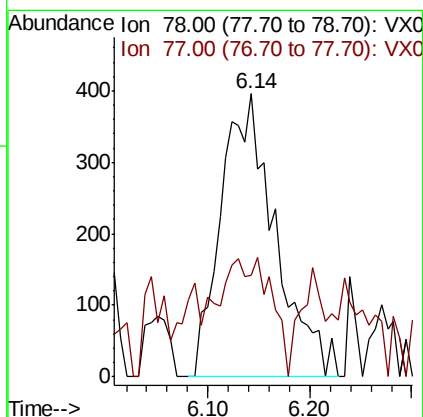
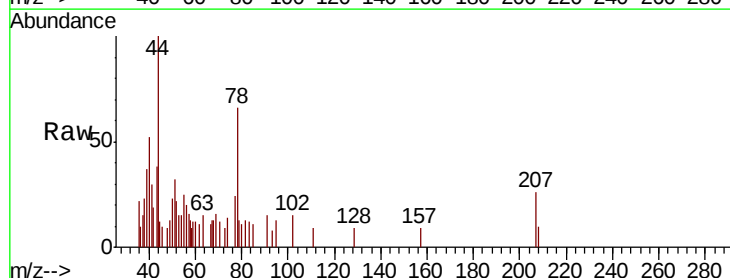
Instrument :
MSVOA_X
ClientSampled :
T1-2-E-(2.5)

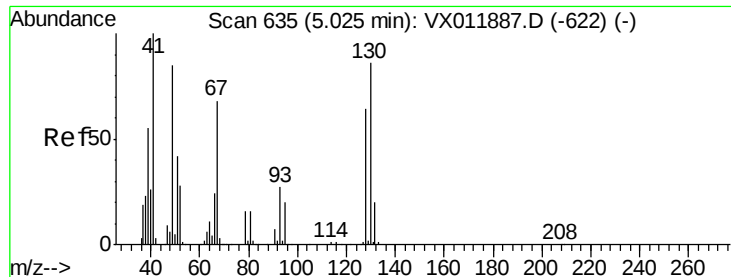
Tot Ion: 83 Resp: 516
Ion Ratio Lower Upper
83 100
55 115.1 59.4 89.0#
98 26.1 40.3 60.5#



#40
Benzene
Concen: 30.655 ug/l
RT: 6.14 min Scan# 862
Delta R.T. 0.01 min
Lab File: VX011909.D
Acq: 30 Aug 2019 15:02

Tgt Ion: 78 Resp: 1460
Ion Ratio Lower Upper
78 100
77 15.9 19.0 28.6#

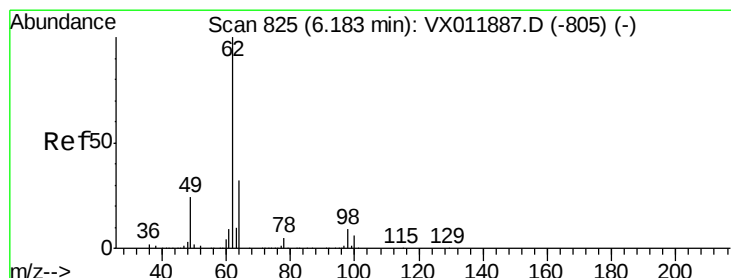
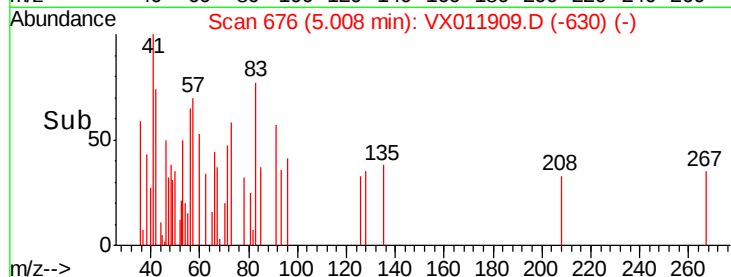
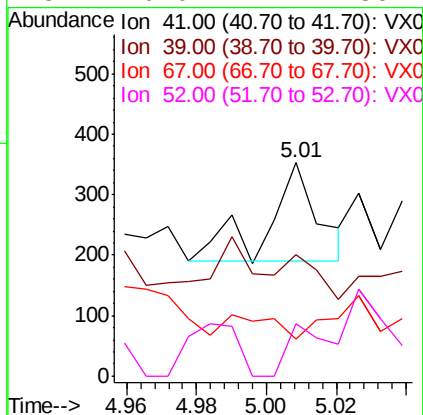
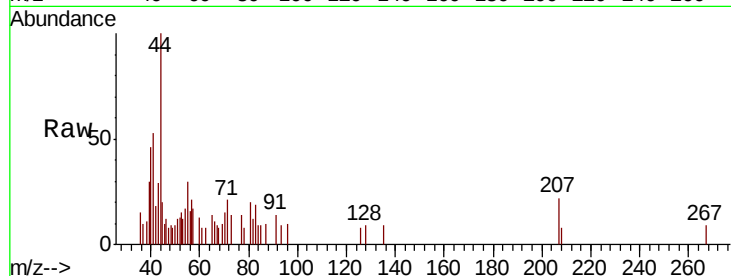




#41
Methacrylonitrile
Concen: 29.131 ug/l
RT: 5.01 min Scan# 676
Delta R.T. -0.02 min
Lab File: VX011909.D
Acq: 30 Aug 2019 15:02

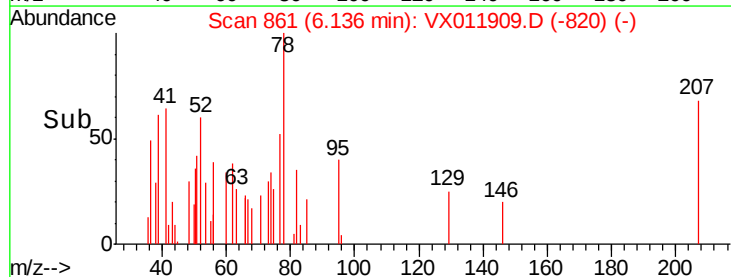
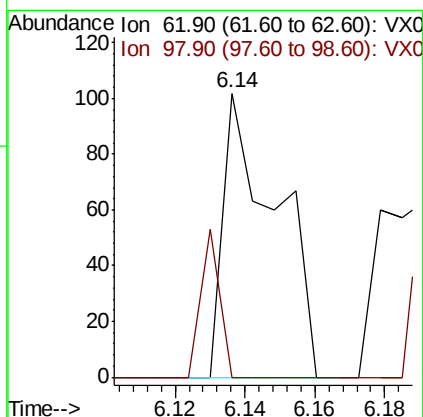
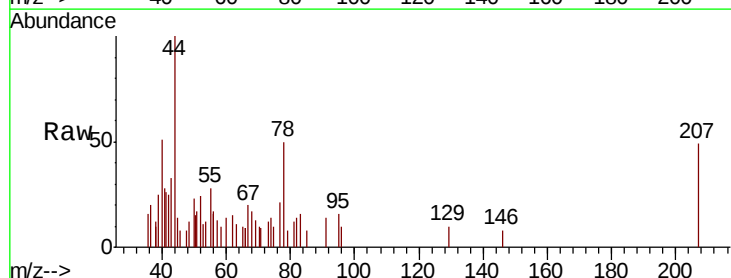
Instrument :
MSVOA_X
ClientSampled :
T1-2-E-(2.5)

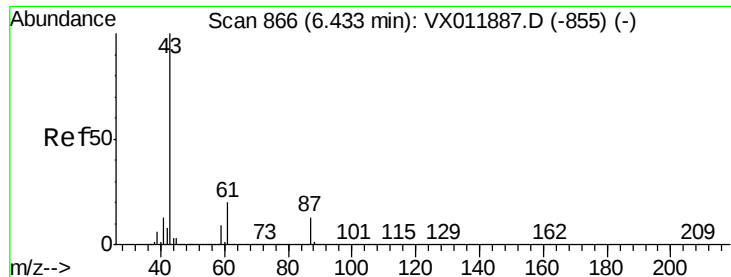
Tot Ion:	41	Resp:	162
Ion	Ratio	Lower	Upper
41	100		
39	0.0	45.0	67.6#
67	0.0	55.0	82.4#
52	0.0	24.1	36.1#



#42
1,2-Dichloroethane
Concen: 6.606 ug/l
RT: 6.14 min Scan# 861
Delta R.T. -0.05 min
Lab File: VX011909.D
Acq: 30 Aug 2019 15:02

Tgt Ion:	62	Resp:	107
Ion	Ratio	Lower	Upper
62	100		
98	17.8	0.0	19.2





#43

Isopropyl Acetate

Concen: 4.491 ug/l

RT: 6.45 min Scan# 912

Delta R.T. 0.01 min

Lab File: VX011909.D

Acq: 30 Aug 2019 15:02

Instrument :

MSVOA_X

ClientSampled :

T1-2-E-(2.5)

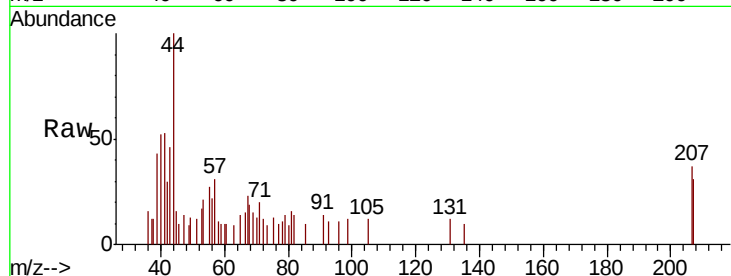
Tot Ion: 43 Resp: 86

Ion Ratio Lower Upper

43 100

61 0.0 16.1 24.1#

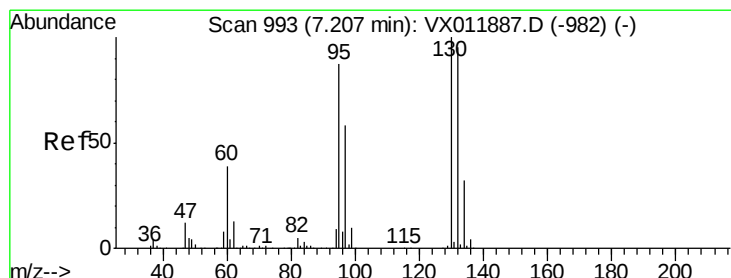
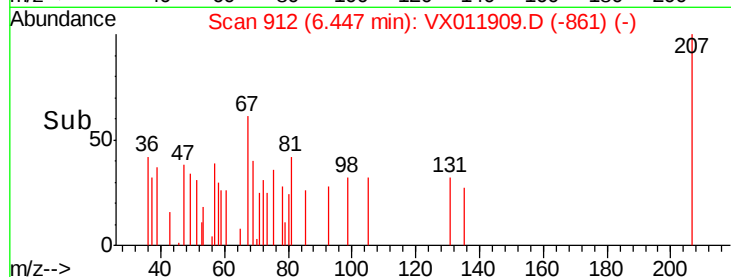
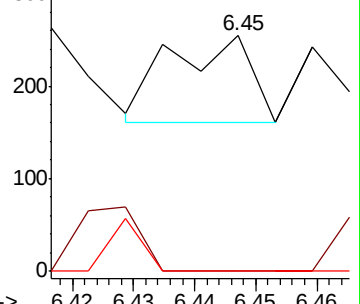
87 0.0 10.6 16.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 3.054 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VX011909.D

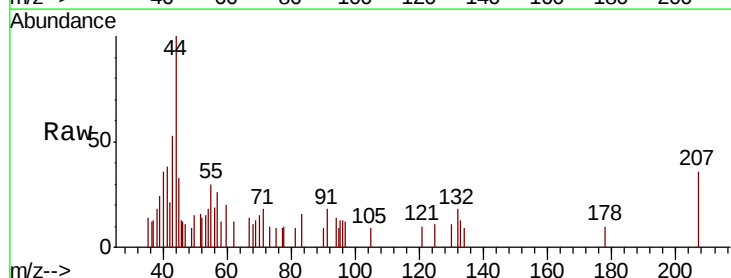
Acq: 30 Aug 2019 15:02

Tgt Ion: 130 Resp: 45

Ion Ratio Lower Upper

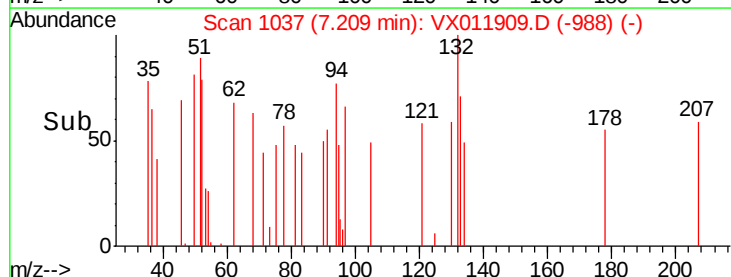
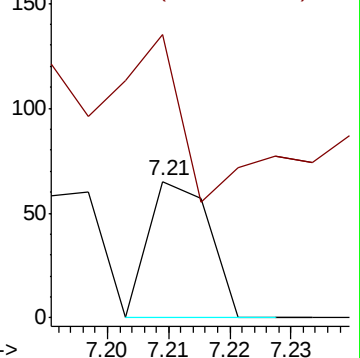
130 100

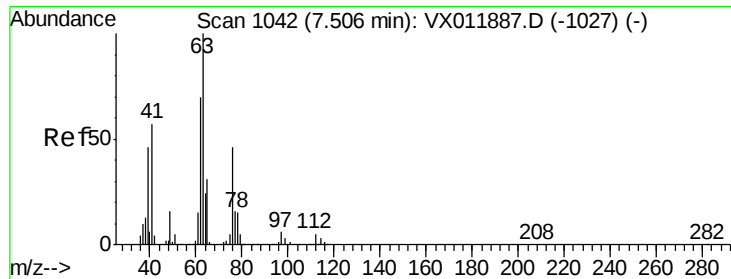
95 89.2 0.0 174.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 4.896 ug/l

RT: 7.48 min Scan# 1081

Delta R.T. -0.03 min

Lab File: VX011909.D

Acq: 30 Aug 2019 15:02

Instrument :

MSVOA_X

ClientSampled :

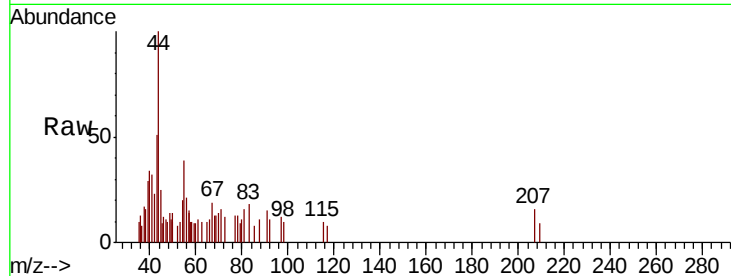
T1-2-E-(2.5)

Tot Ion: 63 Resp: 61

Ion Ratio Lower Upper

63 100

65 106.5 25.1 37.7#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

150

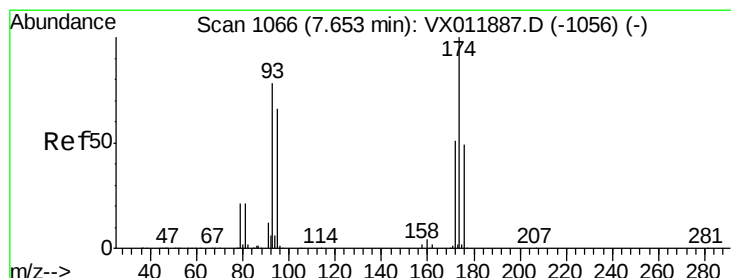
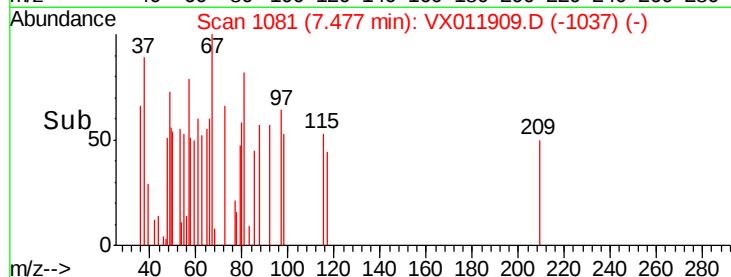
100

50

0

7.46 7.48 7.50

Time-->



#46

Dibromomethane

Concen: 4.328 ug/l

RT: 7.67 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VX011909.D

Acq: 30 Aug 2019 15:02

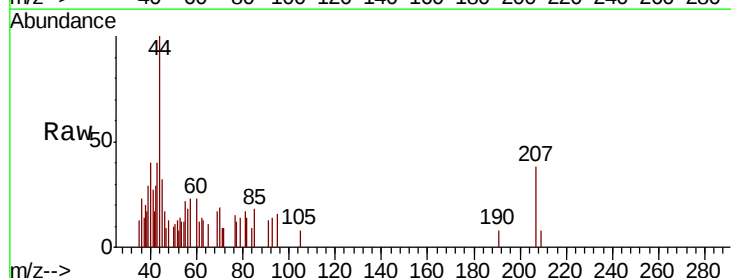
Tgt Ion: 93 Resp: 32

Ion Ratio Lower Upper

93 100

95 350.0 65.7 98.5#

174 0.0 104.2 156.4#



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

120

100

80

60

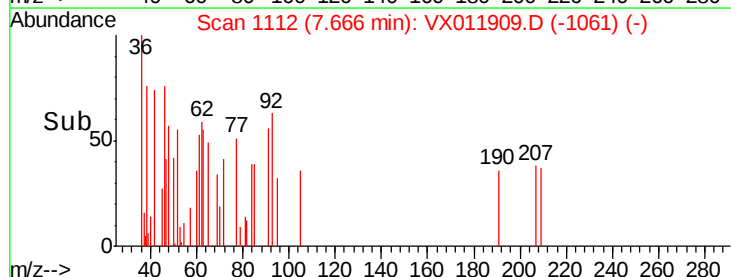
40

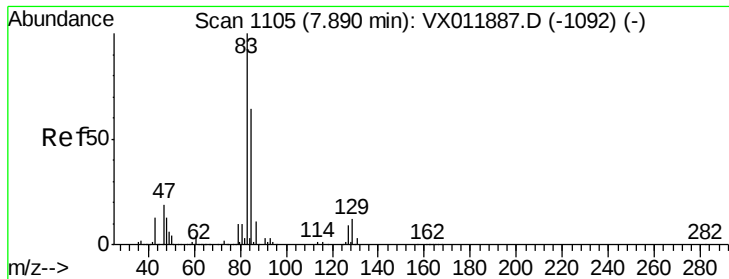
20

0

7.66 7.67 7.68

Time-->





#47

Bromodichloromethane

Concen: 6.109 ug/l

RT: 7.90 min Scan# 1150

Delta R.T. 0.01 min

Lab File: VX011909.D

Acq: 30 Aug 2019 15:02

Instrument :

MSVOA_X

ClientSampleId :

T1-2-E-(2.5)

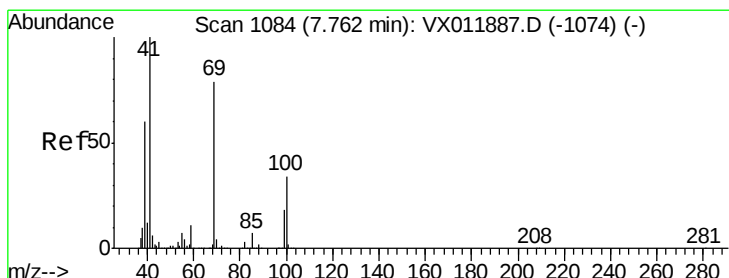
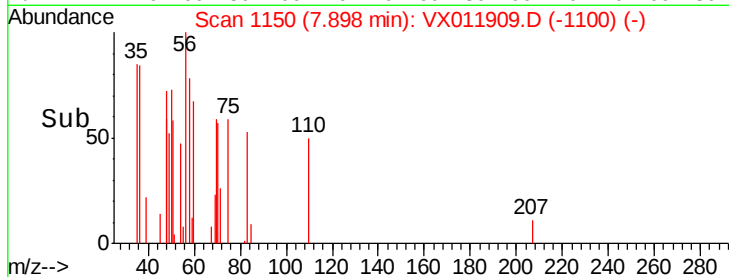
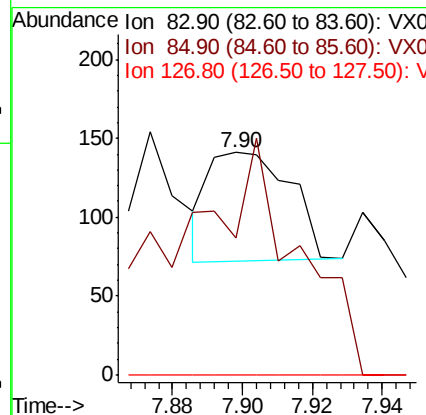
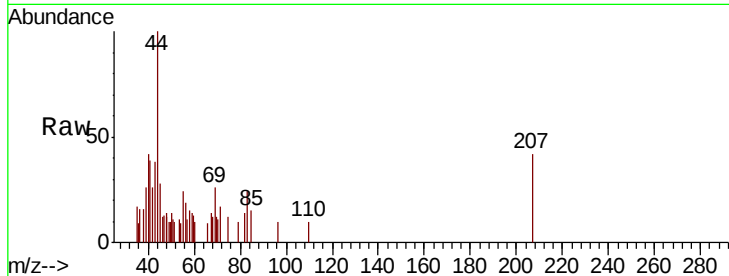
Tot Ion: 83 Resp: 112

Ion Ratio Lower Upper

83 100

85 37.3 51.1 76.7#

127 0.0 7.4 11.2#



#48

Methyl methacrylate

Concen: 22.003 ug/l

RT: 7.79 min Scan# 1132

Delta R.T. 0.03 min

Lab File: VX011909.D

Acq: 30 Aug 2019 15:02

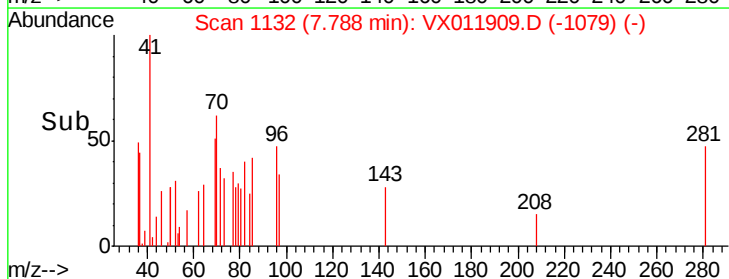
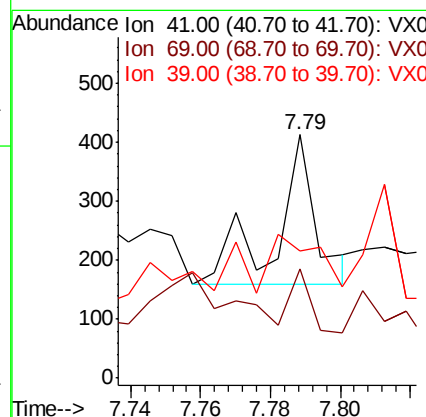
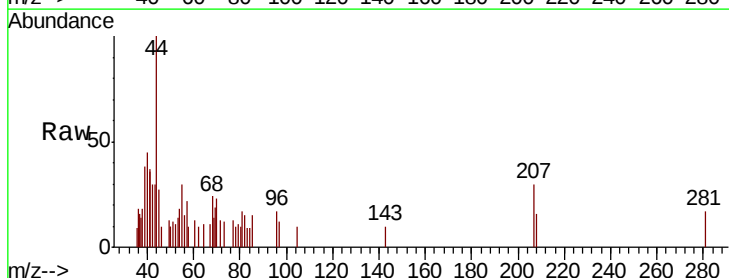
Tgt Ion: 41 Resp: 205

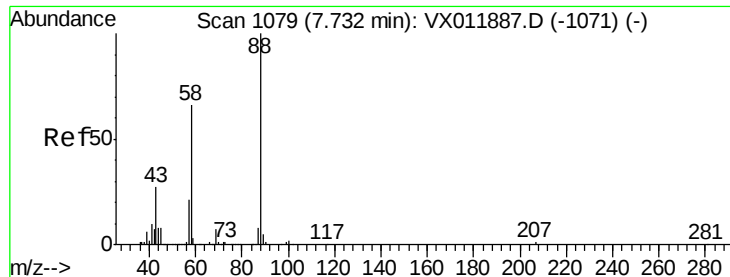
Ion Ratio Lower Upper

41 100

69 0.0 64.4 96.6#

39 68.3 47.2 70.8





#49

1,4-Dioxane

Concen: 148.295 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VX011909.D

Acq: 30 Aug 2019 15:02

Instrument :

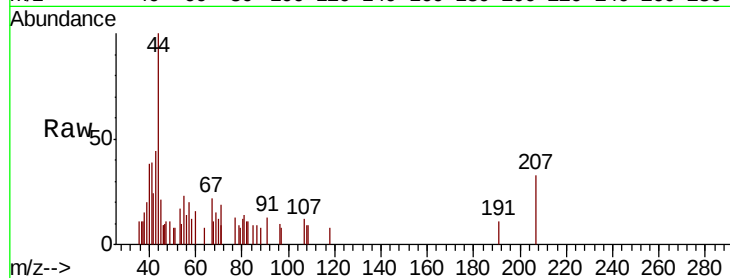
MSVOA_X

ClientSampled :

T1-2-E-(2.5)

Tot Ion: 88 Resp: 19

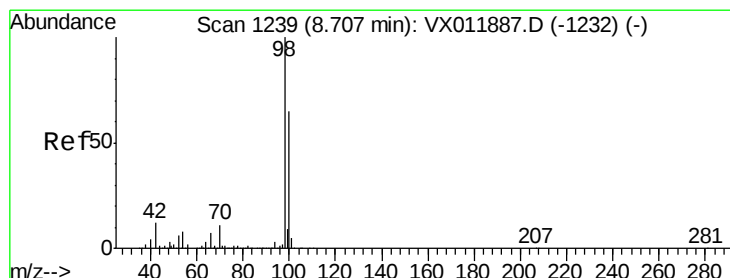
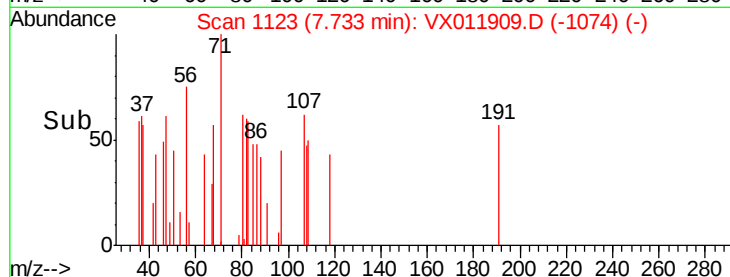
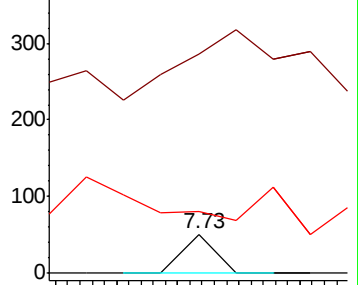
Ion	Ratio	Lower	Upper
88	100		
43	747.4	27.3	40.9#
58	0.0	53.9	80.9#



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: 51.640 ug/l

RT: 8.71 min Scan# 1284

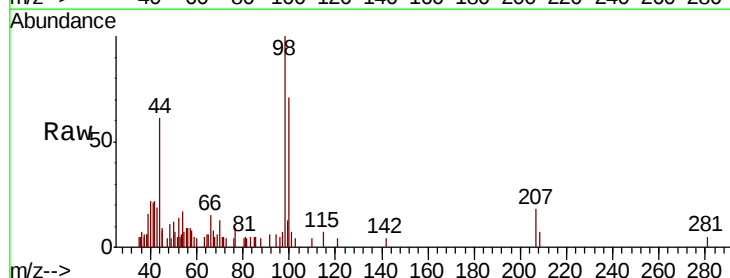
Delta R.T. 0.01 min

Lab File: VX011909.D

Acq: 30 Aug 2019 15:02

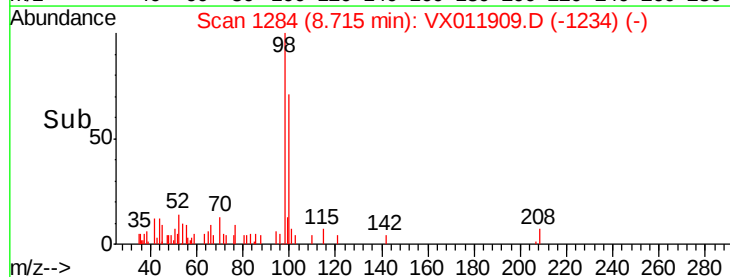
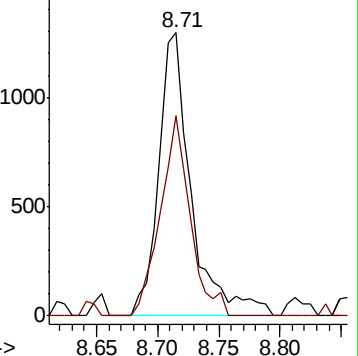
Tgt Ion: 98 Resp: 2384

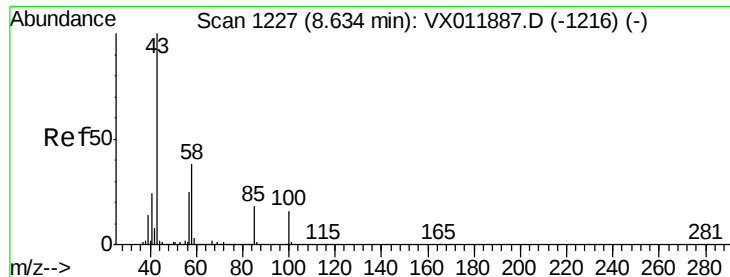
Ion	Ratio	Lower	Upper
98	100		
100	64.4	53.0	79.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

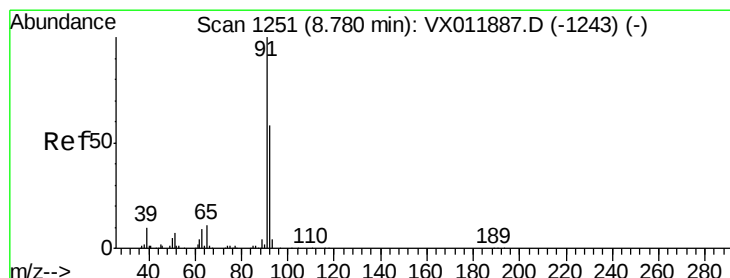
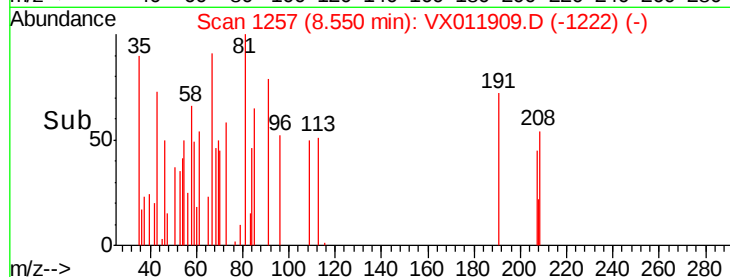
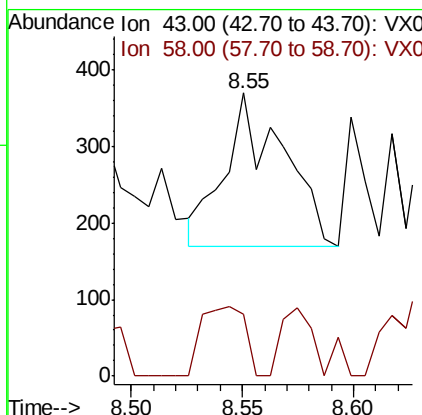
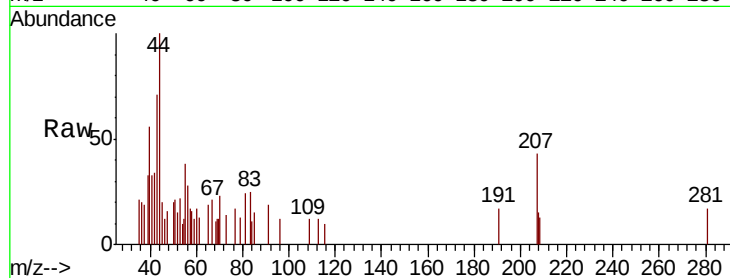




#51
 4-Methyl-2-Pentanone
 Concen: 37.727 ug/l
 RT: 8.55 min Scan# 1257
 Delta R.T. -0.08 min
 Lab File: VX011909.D
 Acq: 30 Aug 2019 15:02

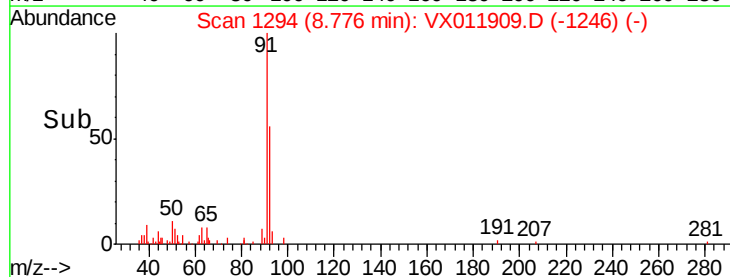
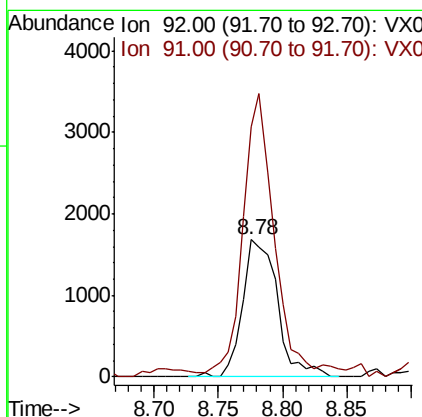
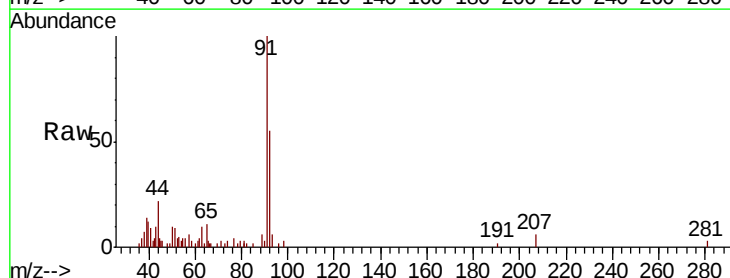
Instrument :
 MSVOA_X
 ClientSampled :
 T1-2-E-(2.5)

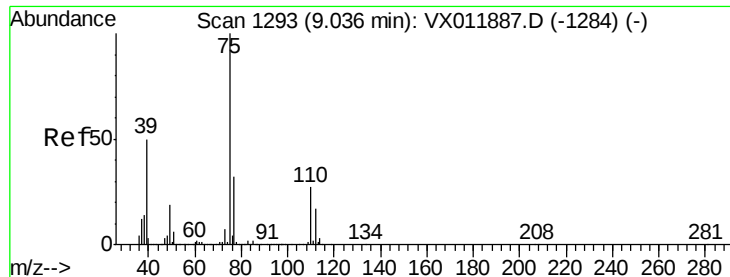
Tot Ion: 43 Resp: 367
 Ion Ratio Lower Upper
 43 100
 58 33.8 30.9 46.3



#52
 Toluene
 Concen: 99.814 ug/l
 RT: 8.78 min Scan# 1294
 Delta R.T. -0.00 min
 Lab File: VX011909.D
 Acq: 30 Aug 2019 15:02

Tgt Ion: 92 Resp: 3145
 Ion Ratio Lower Upper
 92 100
 91 180.1 136.8 205.2





#53

t-1,3-Dichloropropene

Concen: 11.129 ug/l

RT: 9.06 min Scan# 1340

Delta R.T. 0.02 min

Lab File: VX011909.D

Acq: 30 Aug 2019 15:02

Instrument :

MSVOA_X

ClientSampled :

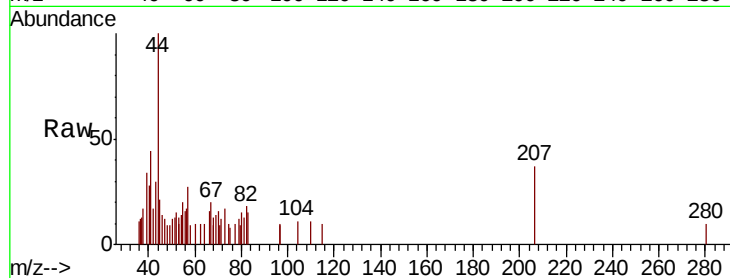
T1-2-E-(2.5)

Tot Ion: 75 Resp: 209

Ion Ratio Lower Upper

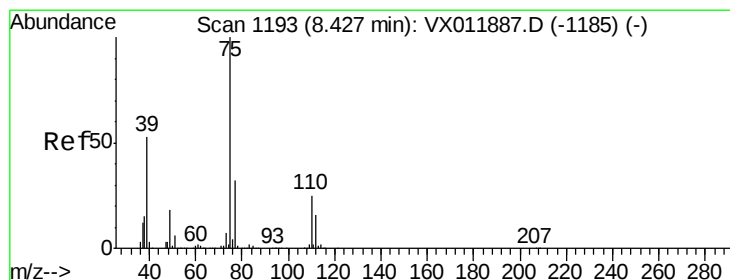
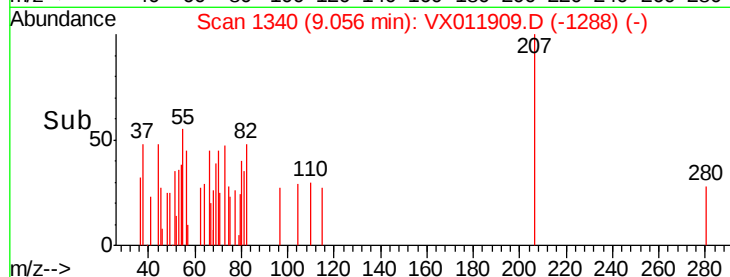
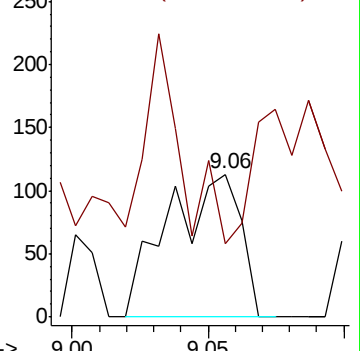
75 100

77 0.0 25.6 38.4#



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: 4.222 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VX011909.D

Acq: 30 Aug 2019 15:02

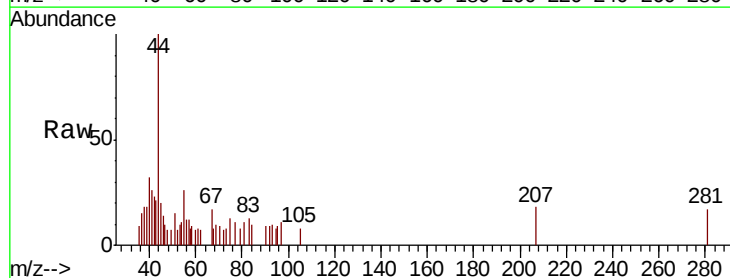
Tgt Ion: 75 Resp: 89

Ion Ratio Lower Upper

75 100

77 13.0 25.5 38.3#

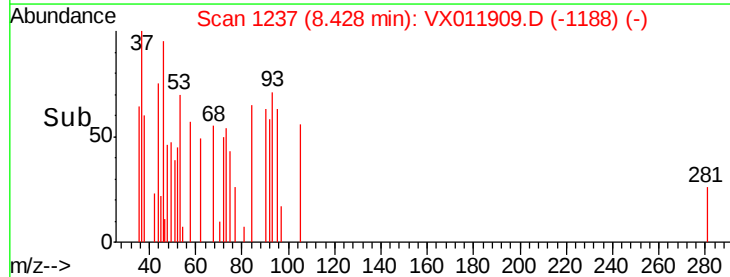
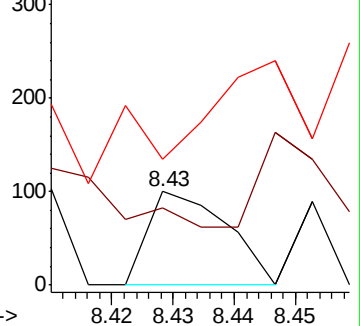
39 0.0 42.6 64.0#

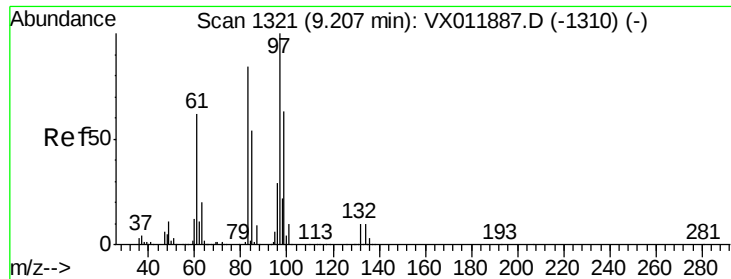


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

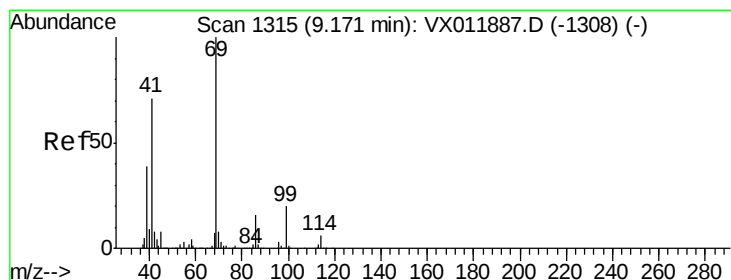
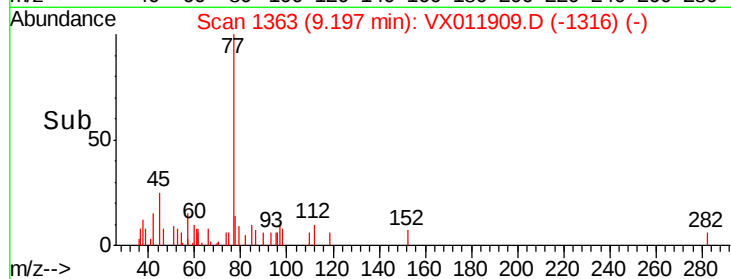
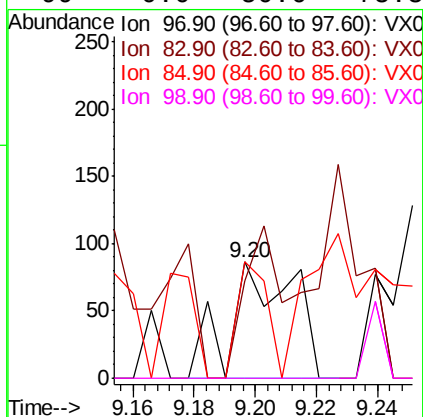
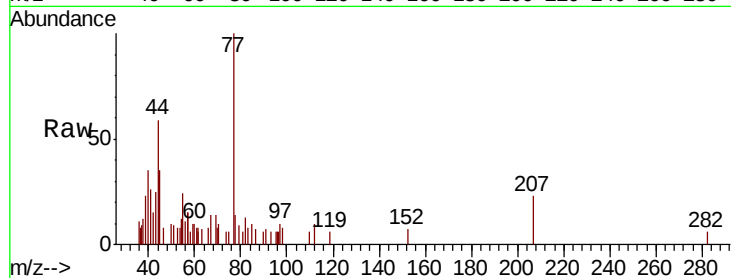




#55
 1,1,2-Trichloroethane
 Concen: 11.548 ug/l
 RT: 9.20 min Scan# 1363
 Delta R.T. -0.01 min
 Lab File: VX011909.D
 Acq: 30 Aug 2019 15:02

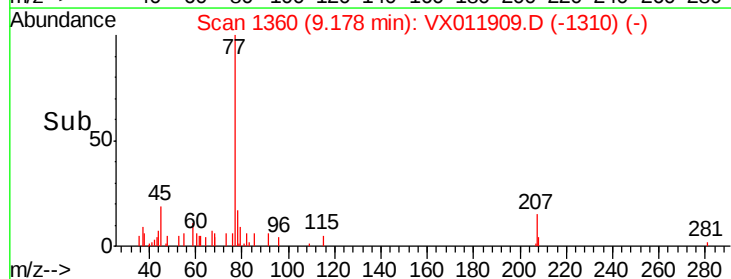
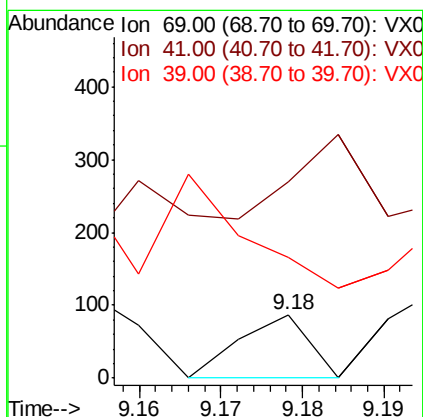
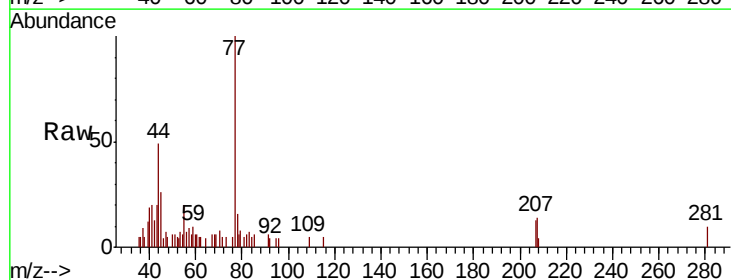
Instrument :
 MSVOA_X
 ClientSampleId :
 T1-2-E-(2.5)

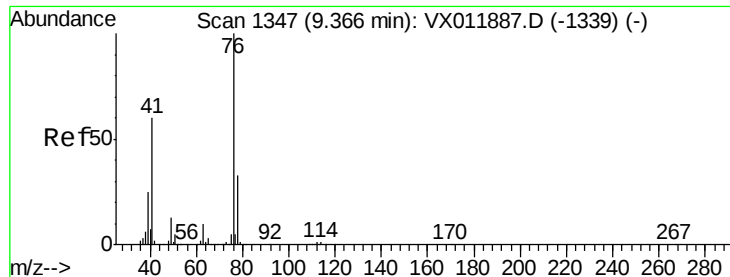
Tot Ion:	97	Resp:	125
Ion	Ratio	Lower	Upper
97	100		
83	0.0	66.8	100.2#
85	12.8	43.5	65.3#
99	0.0	50.6	75.8#



#56
 Ethyl methacrylate
 Concen: 3.461 ug/l
 RT: 9.18 min Scan# 1360
 Delta R.T. 0.01 min
 Lab File: VX011909.D
 Acq: 30 Aug 2019 15:02

Tgt Ion:	69	Resp:	52
Ion	Ratio	Lower	Upper
69	100		
41	121.2	55.8	83.8#
39	290.4	31.1	46.7#





#57

1,3-Dichloropropane

Concen: 9.129 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX011909.D

Acq: 30 Aug 2019 15:02

Instrument :

MSVOA_X

ClientSampled :

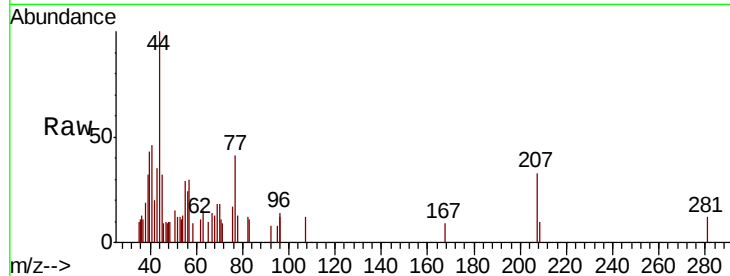
T1-2-E-(2.5)

Tot Ion: 76 Resp: 164

Ion Ratio Lower Upper

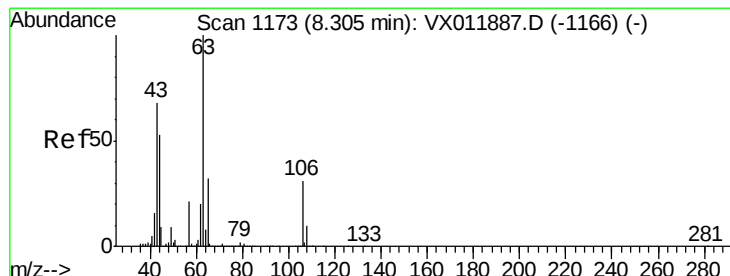
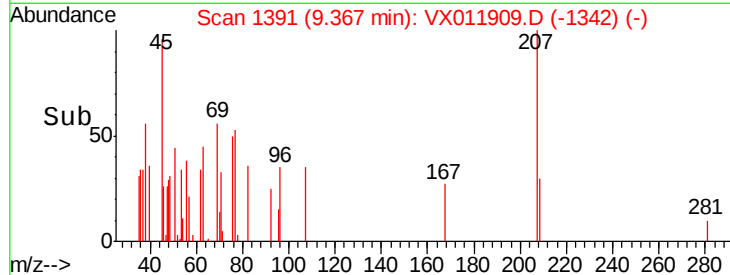
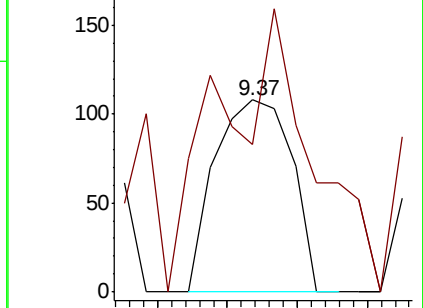
76 100

78 178.7 26.4 39.6#



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: 9.504 ug/l

RT: 8.07 min Scan# 1178

Delta R.T. -0.24 min

Lab File: VX011909.D

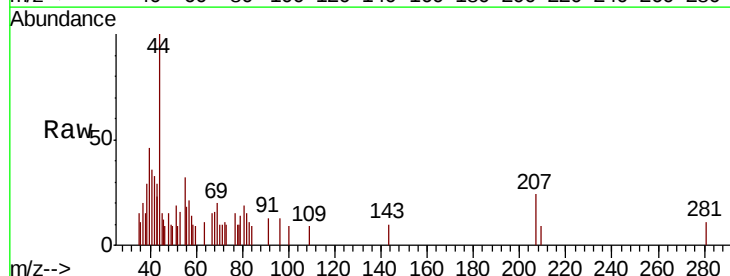
Acq: 30 Aug 2019 15:02

Tgt Ion: 63 Resp: 68

Ion Ratio Lower Upper

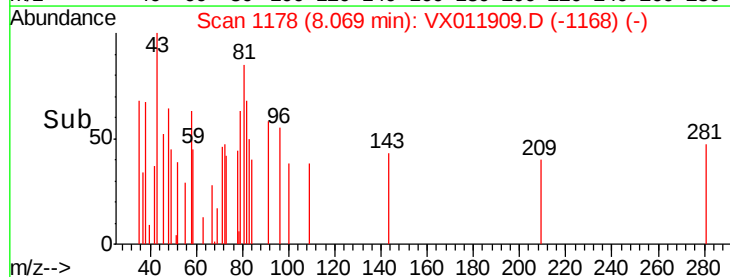
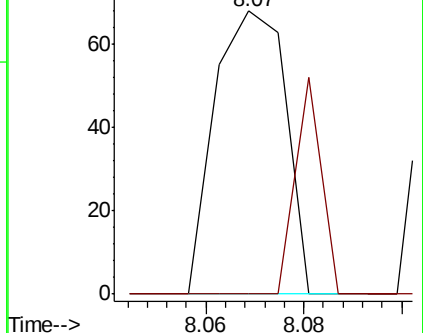
63 100

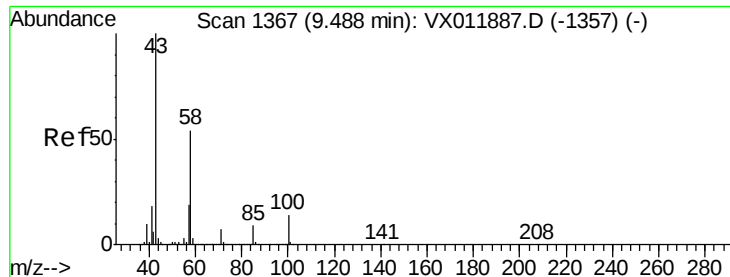
106 27.9 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

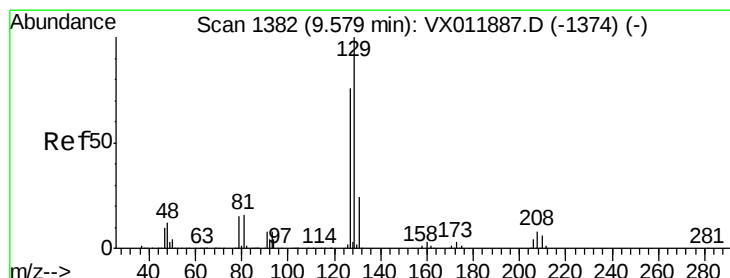
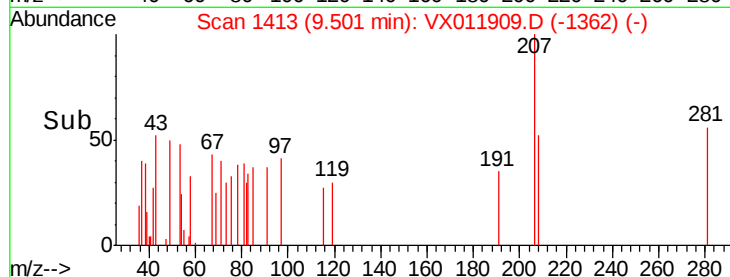
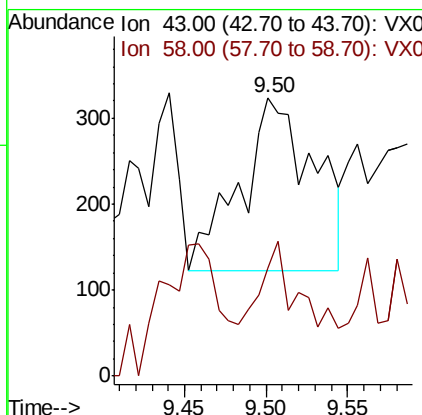
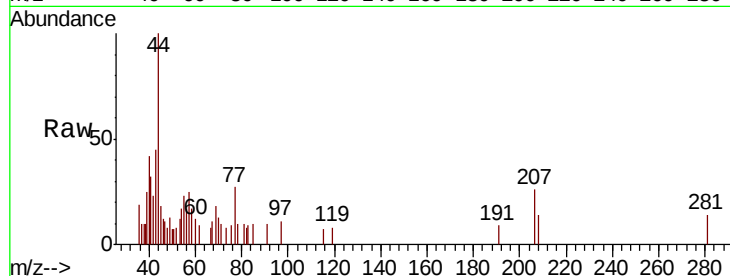




#59
2-Hexanone
Concen: 92.185 ug/l
RT: 9.50 min Scan# 1413
Delta R.T. 0.01 min
Lab File: VX011909.D
Acq: 30 Aug 2019 15:02

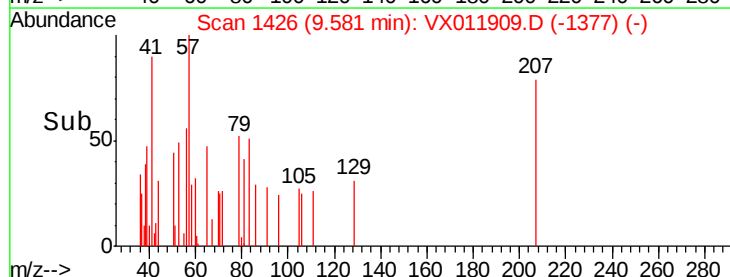
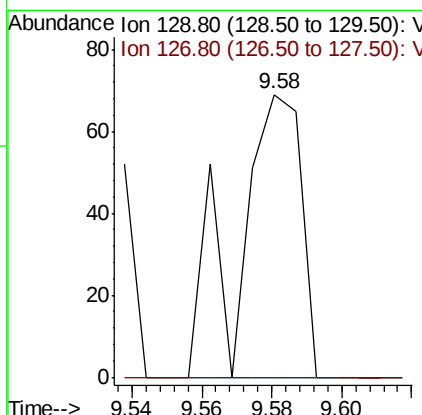
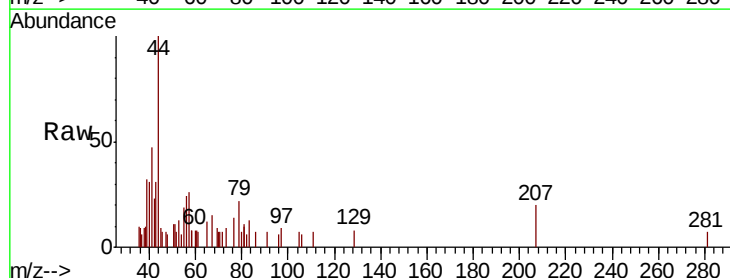
Instrument :
MSVOA_X
ClientSampled :
T1-2-E-(2.5)

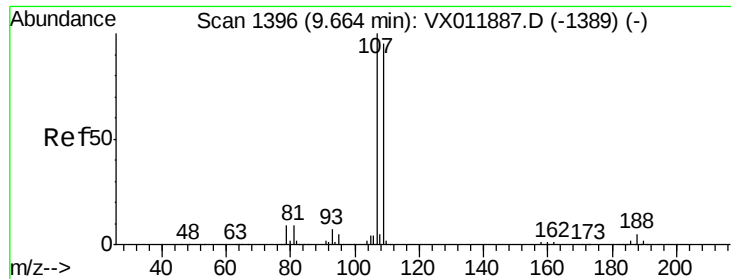
Tot Ion: 43 Resp: 637
Ion Ratio Lower Upper
43 100
58 52.3 26.8 80.4



#60
Dibromochloromethane
Concen: 5.984 ug/l
RT: 9.58 min Scan# 1426
Delta R.T. 0.00 min
Lab File: VX011909.D
Acq: 30 Aug 2019 15:02

Tgt Ion:129 Resp: 87
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.7#





#61

1,2-Dibromoethane

Concen: 11.741 ug/l

RT: 9.66 min Scan# 1439

Delta R.T. -0.00 min

Lab File: VX011909.D

Acq: 30 Aug 2019 15:02

Instrument :

MSVOA_X

ClientSampleId :

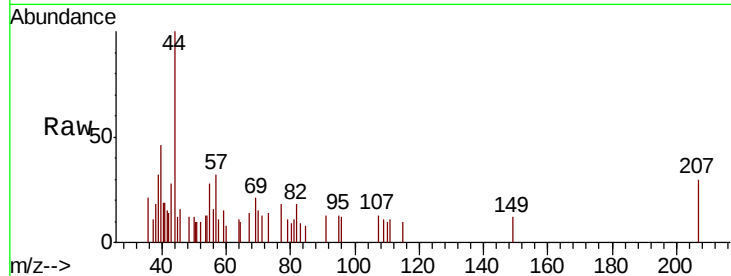
T1-2-E-(2.5)

Tot Ion:107 Resp: 126

Ion Ratio Lower Upper

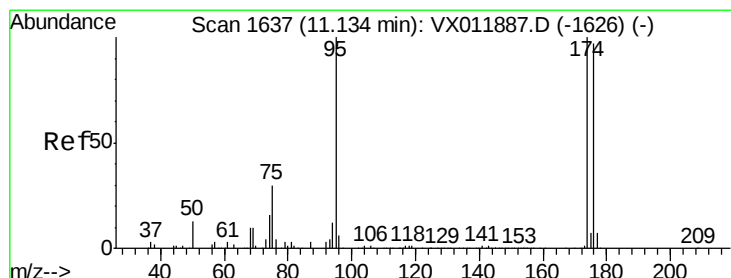
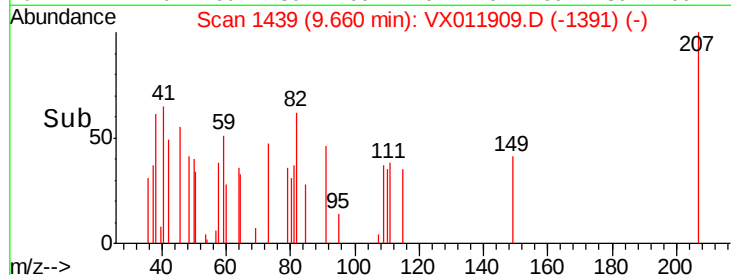
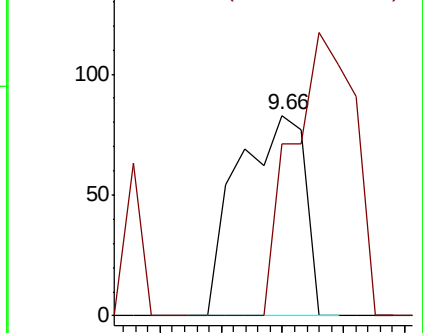
107 100

109 131.7 75.3 112.9#



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 67.996 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX011909.D

Acq: 30 Aug 2019 15:02

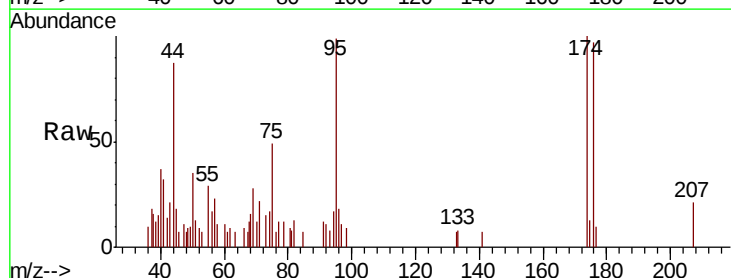
Tgt Ion: 95 Resp: 1377

Ion Ratio Lower Upper

95 100

174 89.8 0.0 196.0

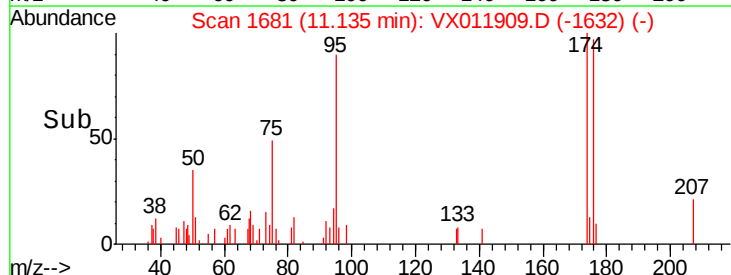
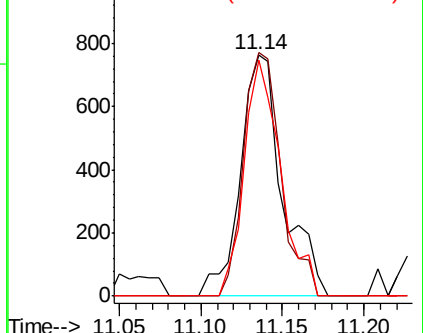
176 84.9 0.0 191.4

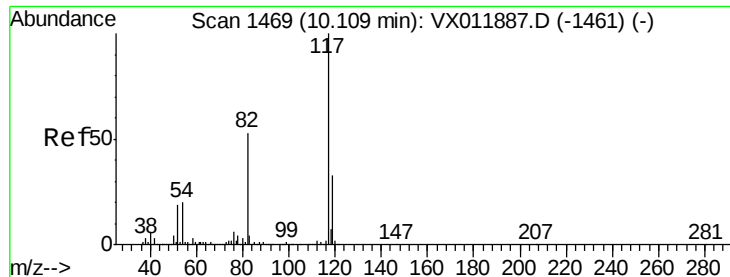


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

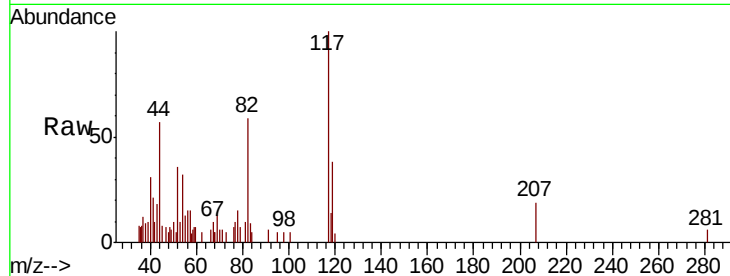




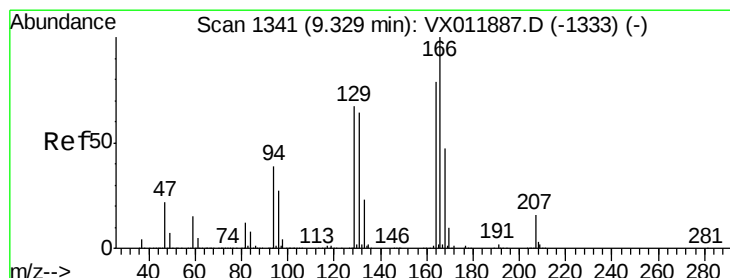
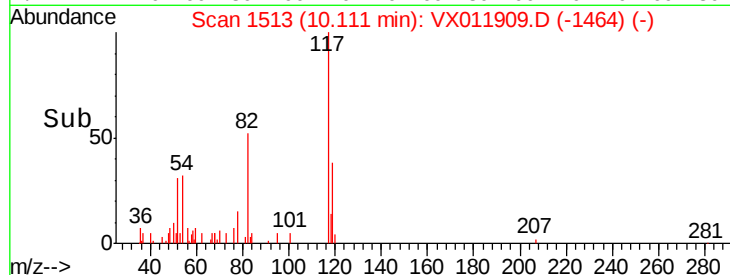
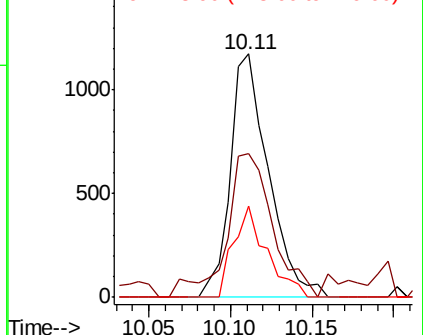
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX011909.D
Acq: 30 Aug 2019 15:02

Instrument :
MSVOA_X
ClientSampleId :
T1-2-E-(2.5)

Tot Ion:117 Resp: 1905
Ion Ratio Lower Upper
117 100
82 53.8 42.0 63.0
119 37.5 26.2 39.4

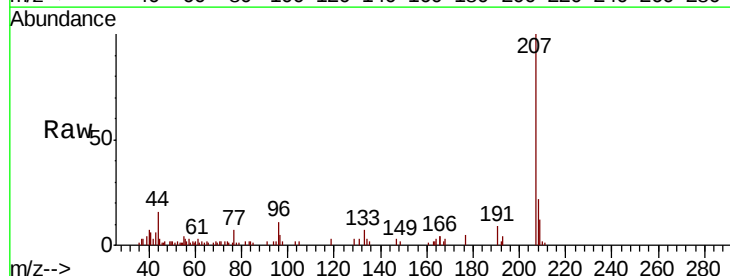


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

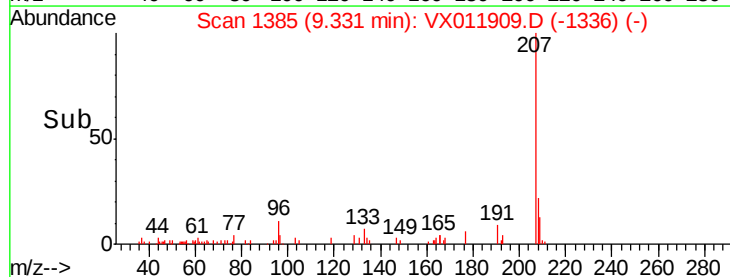
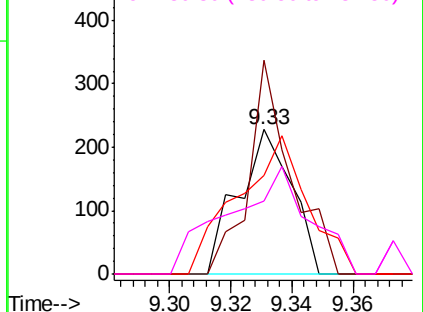


#64
Tetrachloroethene
Concen: 18.077 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX011909.D
Acq: 30 Aug 2019 15:02

Tgt Ion:164 Resp: 277
Ion Ratio Lower Upper
164 100
166 147.8 101.4 152.0
129 68.0 68.0 102.0#
131 23.2 64.7 97.1#



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 12.379 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX011909.D

Acq: 30 Aug 2019 15:02

Instrument :

MSVOA_X

ClientSampled :

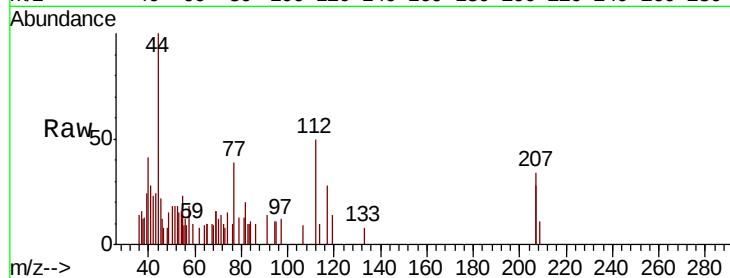
T1-2-E-(2.5)

Tot Ion:112 Resp: 457

Ion Ratio Lower Upper

112 100

114 20.8 25.9 38.9#



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.14

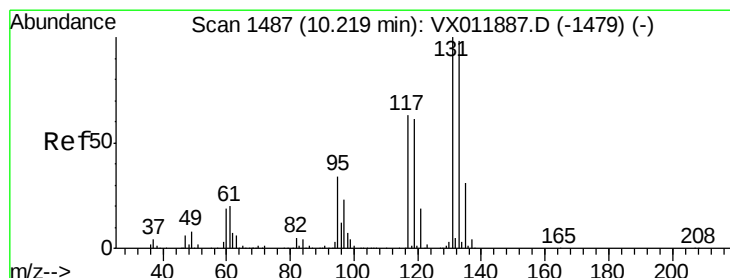
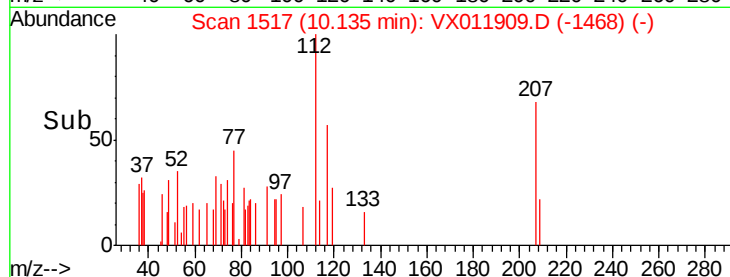
300

200

100

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 4.086 ug/l

RT: 10.23 min Scan# 1533

Delta R.T. 0.01 min

Lab File: VX011909.D

Acq: 30 Aug 2019 15:02

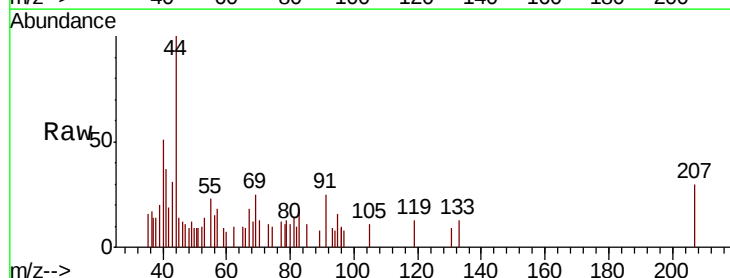
Tgt Ion:131 Resp: 61

Ion Ratio Lower Upper

131 100

133 0.0 48.4 145.0#

119 106.6 30.6 92.0#



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

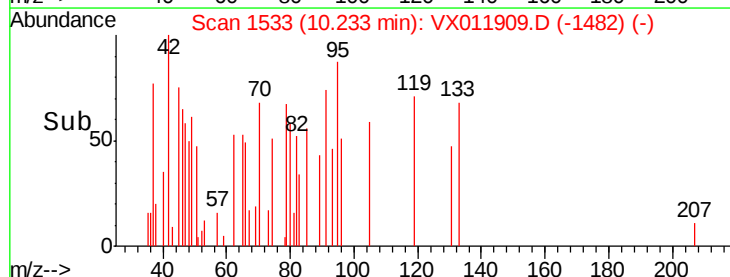
150

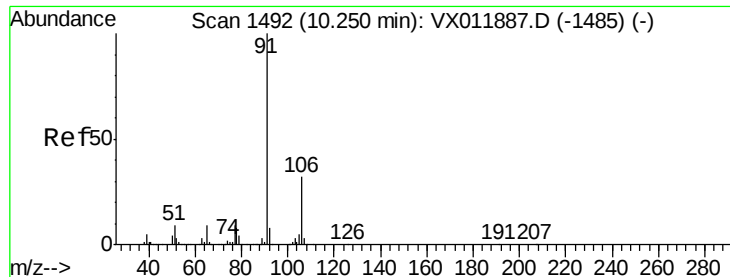
100

50

0

Time-->





#67

Ethyl Benzene

Concen: 16.100 ug/l

RT: 10.25 min Scan# 1536

Delta R.T. 0.00 min

Lab File: VX011909.D

Acq: 30 Aug 2019 15:02

Instrument :

MSVOA_X

ClientSampled :

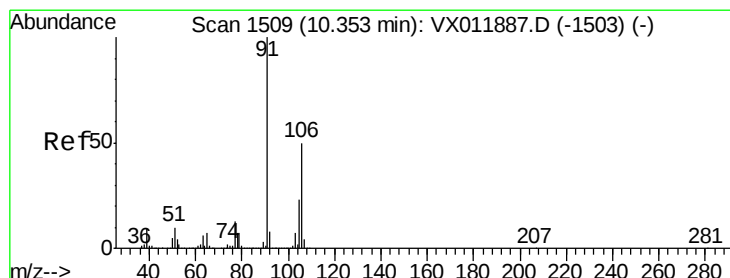
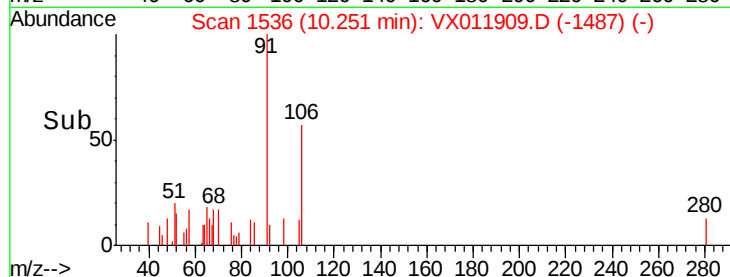
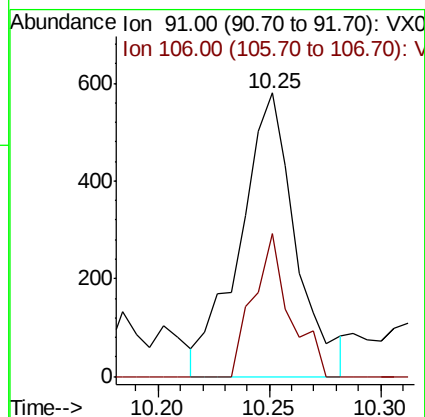
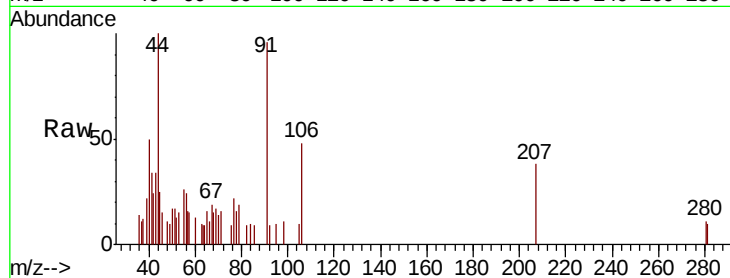
T1-2-E-(2.5)

Tot Ion: 91 Resp: 1011

Ion Ratio Lower Upper

91 100

106 55.9 25.8 38.8#



#68

m/p-Xylenes

Concen: 33.571 ug/l

RT: 10.36 min Scan# 1554

Delta R.T. 0.01 min

Lab File: VX011909.D

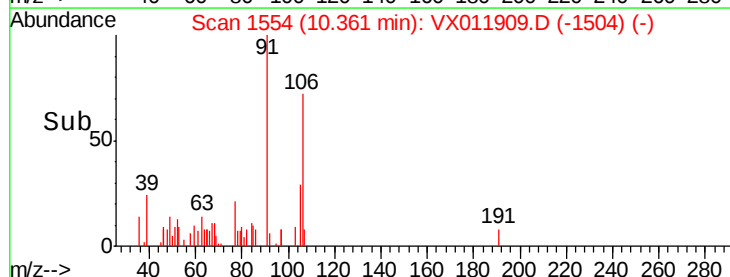
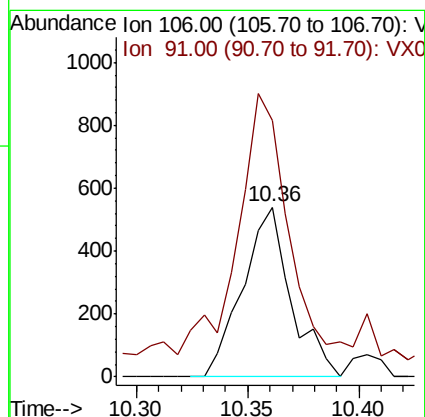
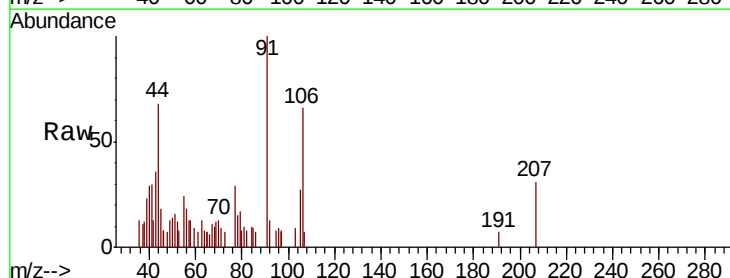
Acq: 30 Aug 2019 15:02

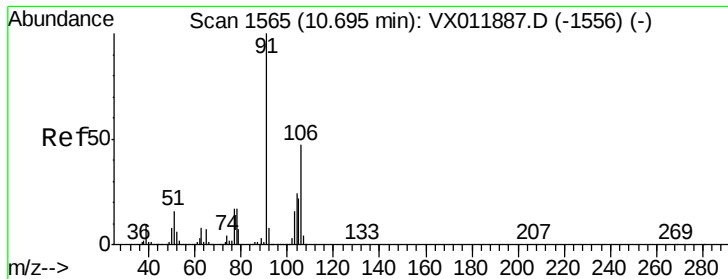
Tgt Ion:106 Resp: 814

Ion Ratio Lower Upper

106 100

91 188.0 158.6 237.8

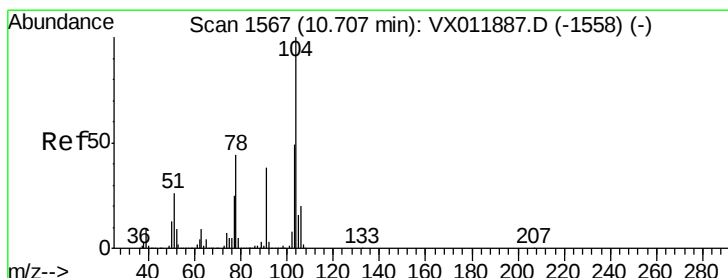
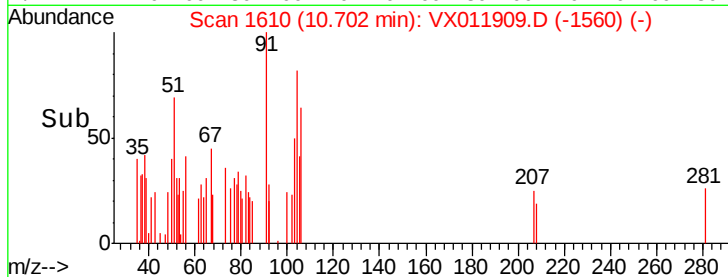
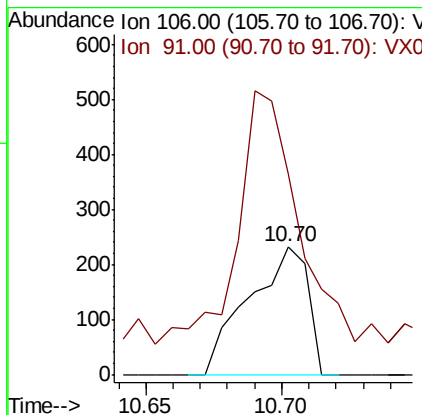
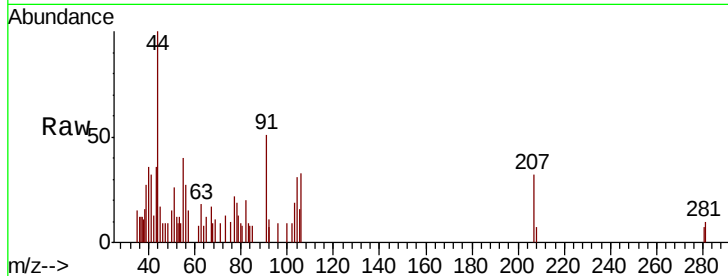




#69
o-Xylene
Concen: 14.771 ug/l
RT: 10.70 min Scan# 1610
Delta R.T. 0.01 min
Lab File: VX011909.D
Acq: 30 Aug 2019 15:02

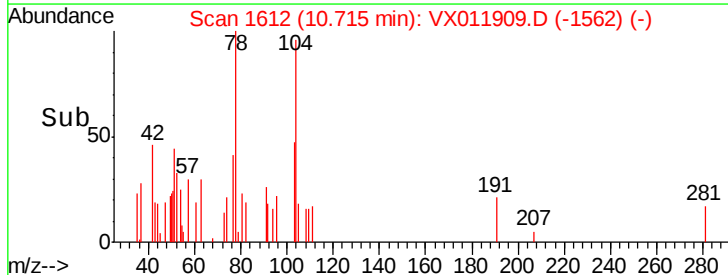
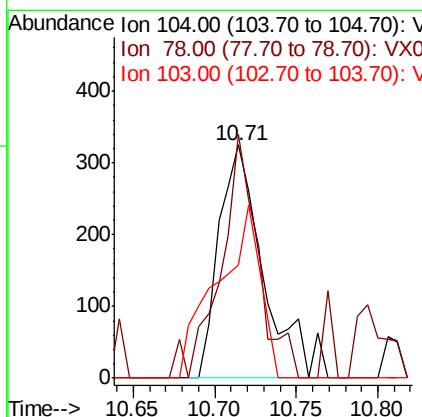
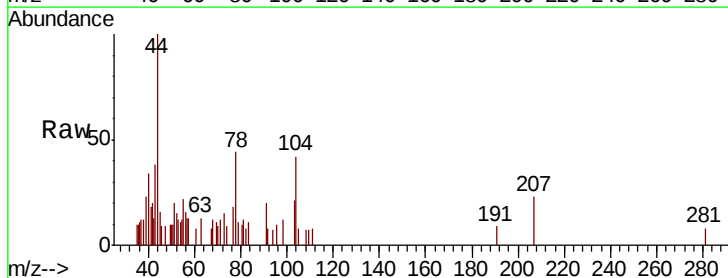
Instrument :
MSVOA_X
ClientSampled :
T1-2-E-(2.5)

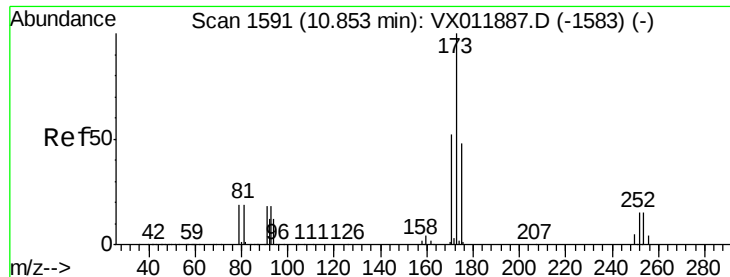
Tot Ion:106 Resp: 349
Ion Ratio Lower Upper
106 100
91 222.6 104.8 314.6



#70
Styrene
Concen: 14.959 ug/l
RT: 10.71 min Scan# 1612
Delta R.T. 0.01 min
Lab File: VX011909.D
Acq: 30 Aug 2019 15:02

Tgt Ion:104 Resp: 623
Ion Ratio Lower Upper
104 100
78 87.5 39.2 58.8#
103 71.6 43.0 64.6#

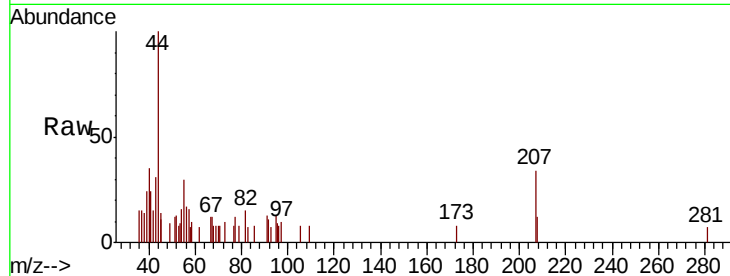




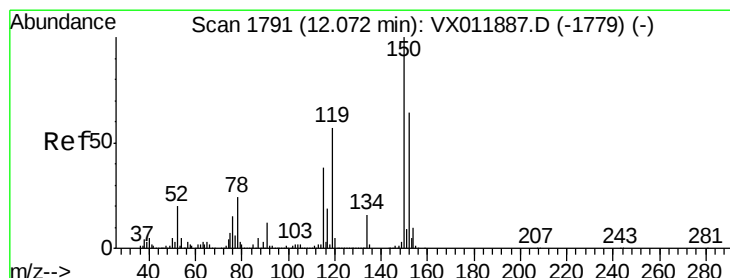
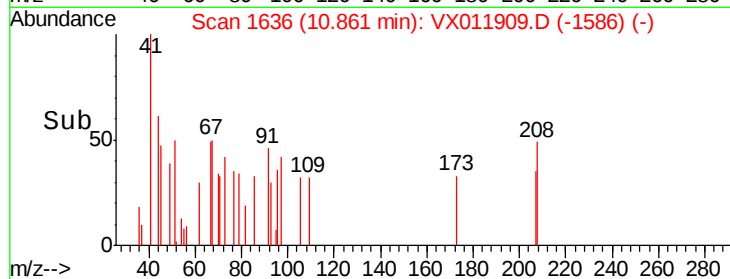
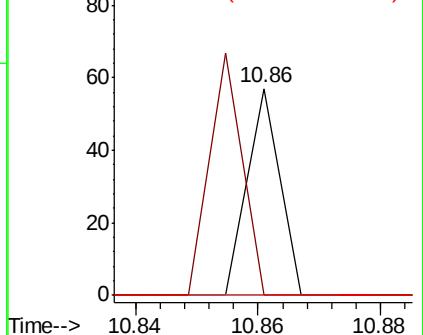
#71
Bromoform
Concen: 1.989 ug/l
RT: 10.86 min Scan# 1636
Delta R.T. 0.01 min
Lab File: VX011909.D
Acq: 30 Aug 2019 15:02

Instrument :
MSVOA_X
ClientSampled :
T1-2-E-(2.5)

Tot Ion:173 Resp: 21
Ion Ratio Lower Upper
173 100
175 119.0 24.4 73.2#
254 0.0 0.1 0.1#

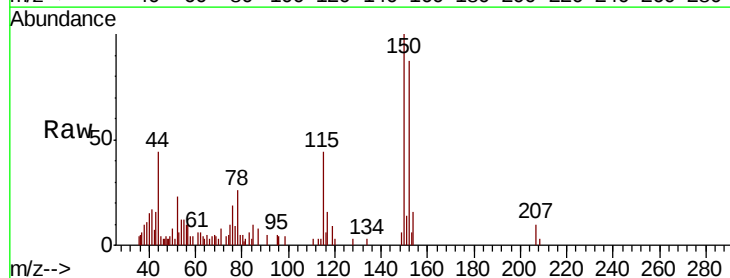


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

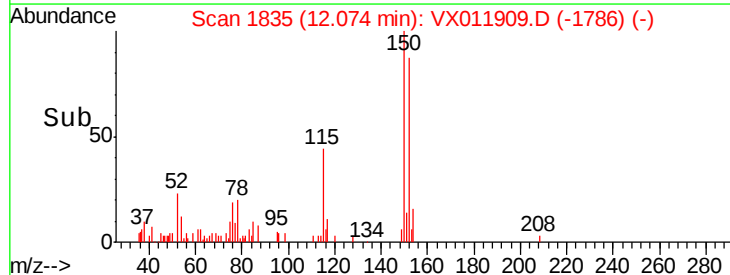
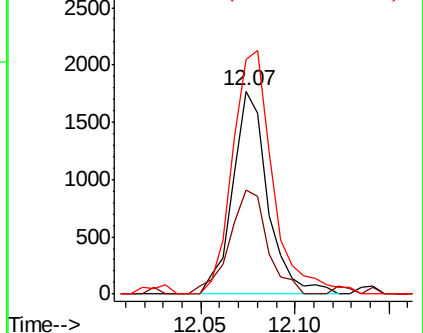


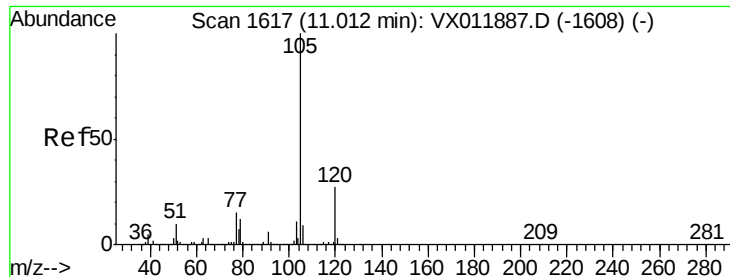
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX011909.D
Acq: 30 Aug 2019 15:02

Tgt Ion:152 Resp: 2294
Ion Ratio Lower Upper
152 100
115 55.4 37.1 111.3
150 137.2 0.0 339.6



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: 5.394 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX011909.D

Acq: 30 Aug 2019 15:02

Instrument :

MSVOA_X

ClientSampleId :

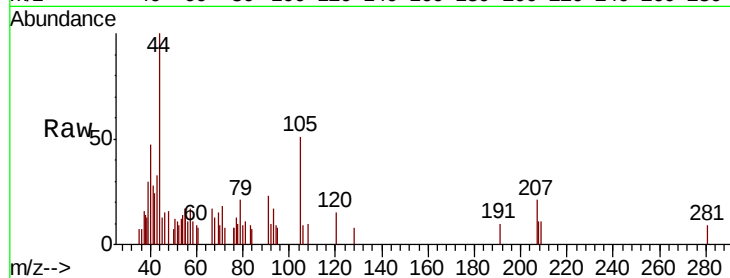
T1-2-E-(2.5)

Tot Ion:105 Resp: 711

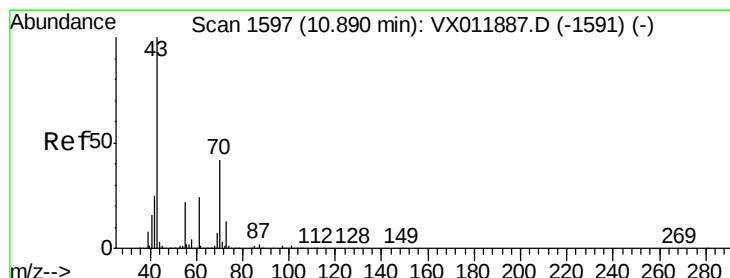
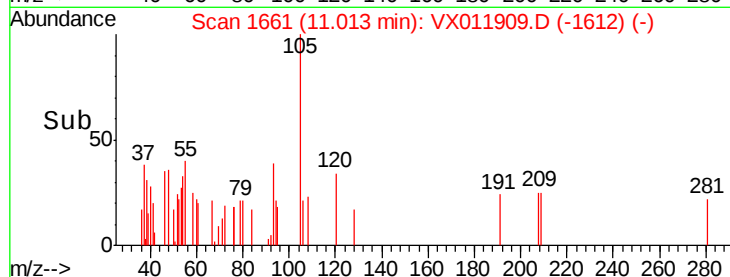
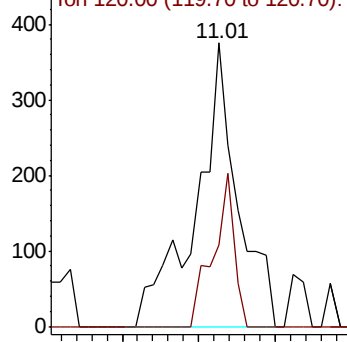
Ion Ratio Lower Upper

105 100

120 27.1 13.8 41.4



Abundance Ion 105.00 (104.70 to 105.70): V



#74

N-ethyl acetate

Concen: 4.883 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX011909.D

Acq: 30 Aug 2019 15:02

Tgt Ion: 43 Resp: 191

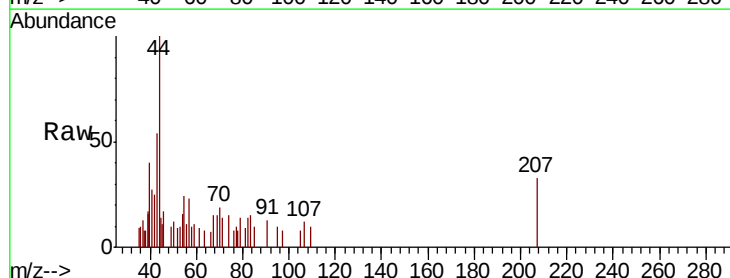
Ion Ratio Lower Upper

43 100

70 0.0 0.2 0.2#

55 48.2 0.1 0.1#

61 84.8 16.4 24.6#

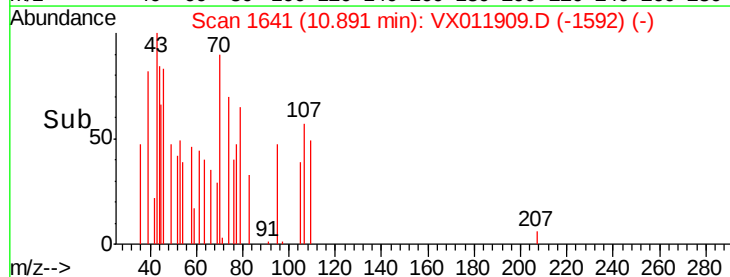
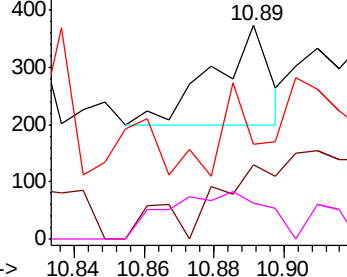


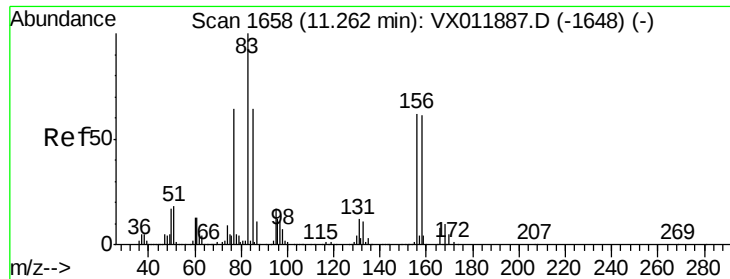
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 10.009 ug/l

RT: 11.27 min Scan# 1703

Delta R.T. 0.01 min

Lab File: VX011909.D

Acq: 30 Aug 2019 15:02

Instrument :

MSVOA_X

ClientSampled :

T1-2-E-(2.5)

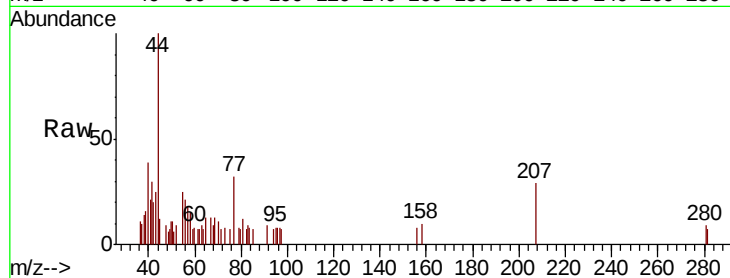
Tot Ion: 83 Resp: 270

Ion Ratio Lower Upper

83 100

131 0.0 6.0 18.0#

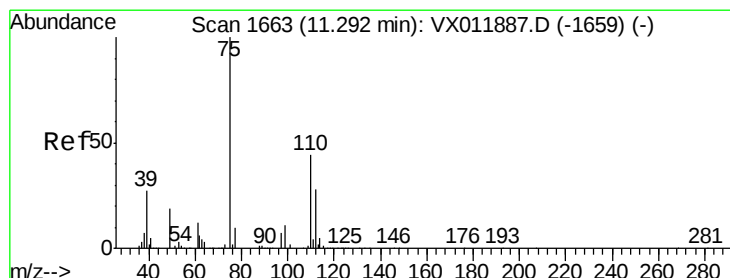
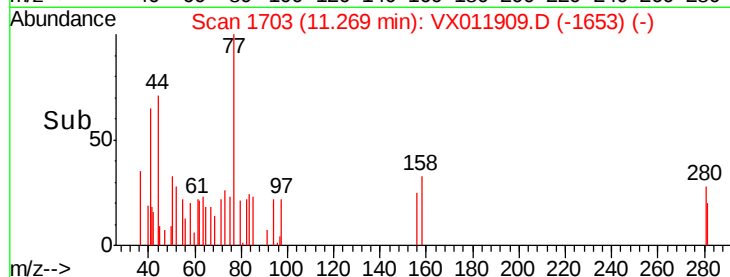
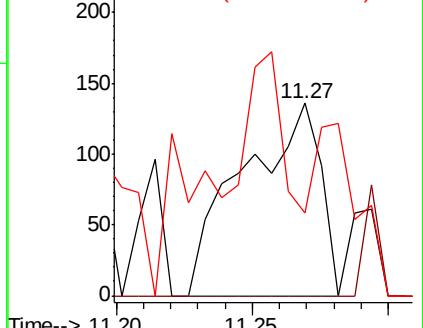
85 34.8 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 8.819 ug/l

RT: 11.29 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX011909.D

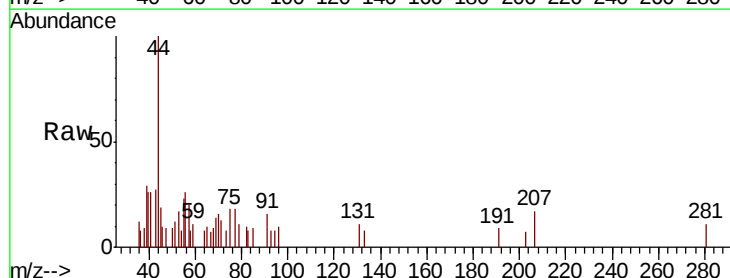
Acq: 30 Aug 2019 15:02

Tgt Ion: 75 Resp: 199

Ion Ratio Lower Upper

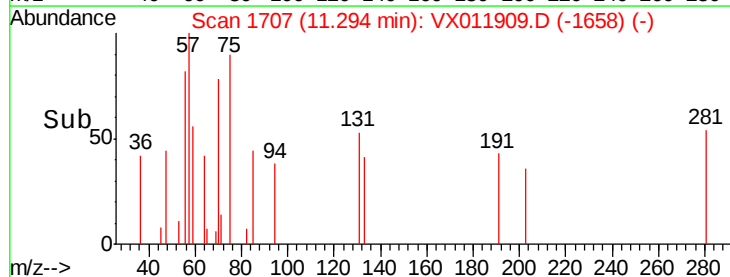
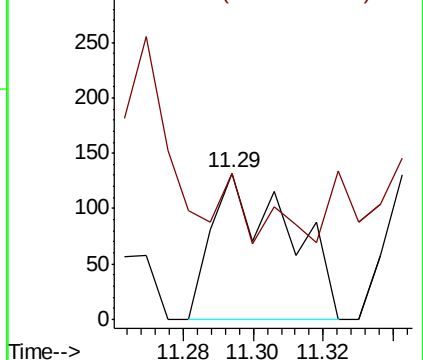
75 100

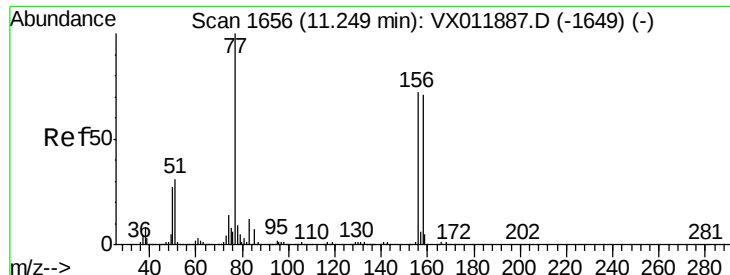
77 0.0 20.9 62.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 8.528 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX011909.D

Acq: 30 Aug 2019 15:02

Instrument :

MSVOA_X

ClientSampleId :

T1-2-E-(2.5)

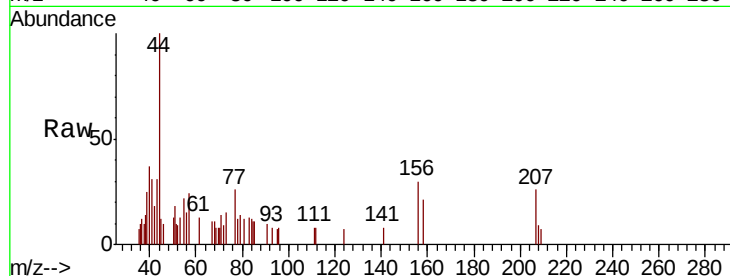
Tot Ion:156 Resp: 326

Ion Ratio Lower Upper

156 100

77 220.9 68.1 204.3#

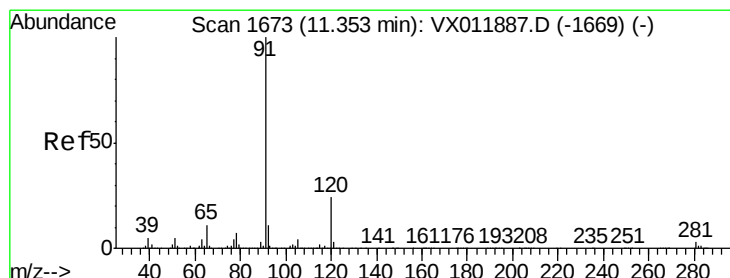
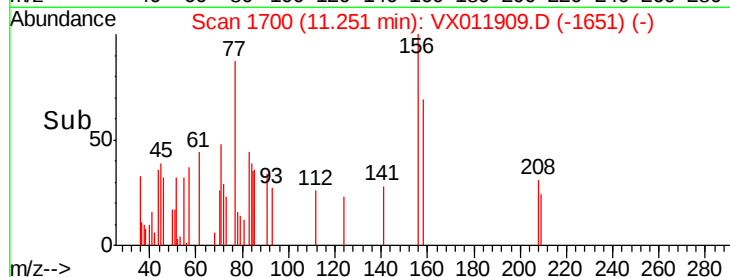
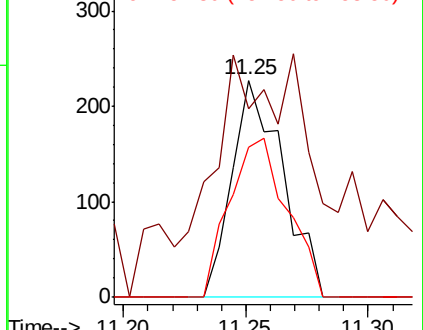
158 84.0 48.9 146.8



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: 4.984 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.06 min

Lab File: VX011909.D

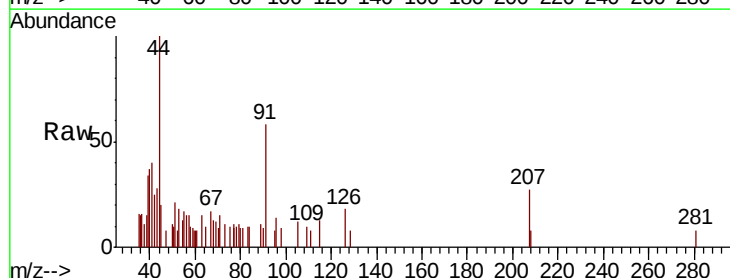
Acq: 30 Aug 2019 15:02

Tgt Ion: 91 Resp: 745

Ion Ratio Lower Upper

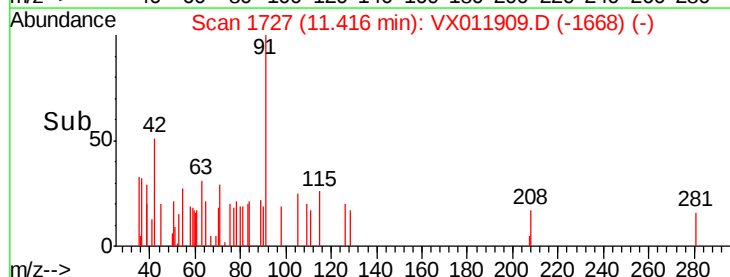
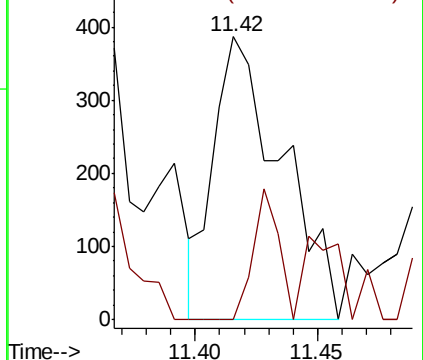
91 100

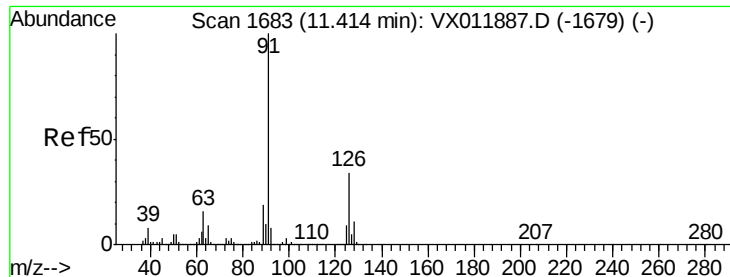
120 17.3 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 8.281 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX011909.D

Acq: 30 Aug 2019 15:02

Instrument :

MSVOA_X

ClientSampled :

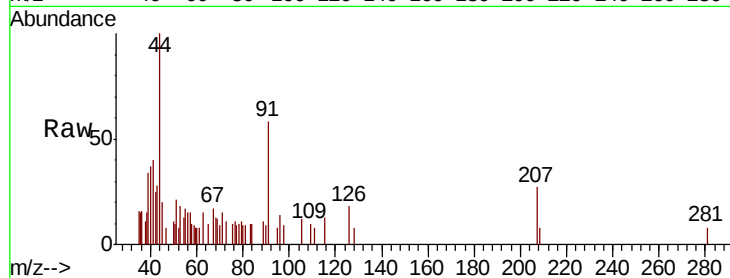
T1-2-E-(2.5)

Tot Ion: 91 Resp: 745

Ion Ratio Lower Upper

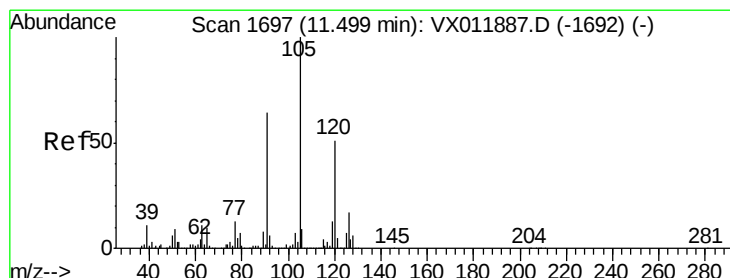
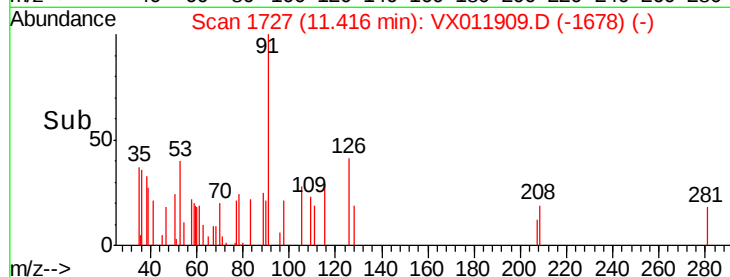
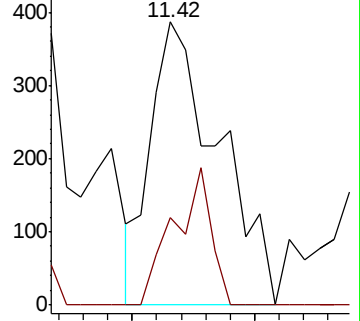
91 100

126 26.8 17.9 53.8



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: 5.652 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.01 min

Lab File: VX011909.D

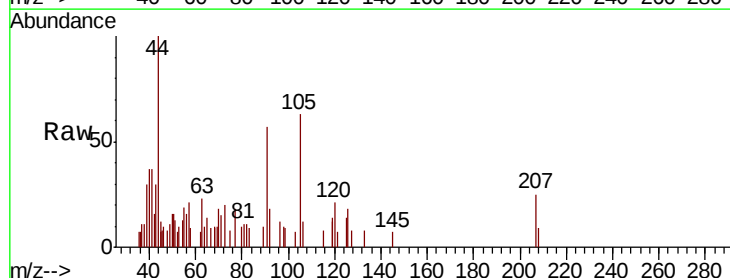
Acq: 30 Aug 2019 15:02

Tgt Ion:105 Resp: 643

Ion Ratio Lower Upper

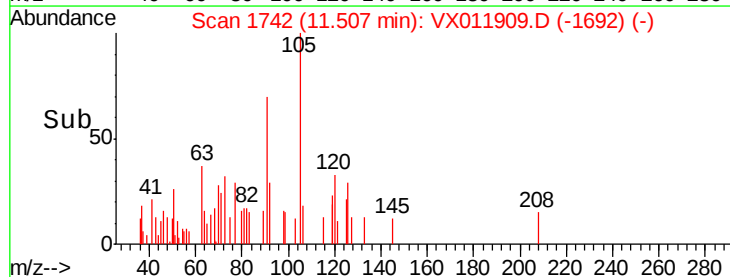
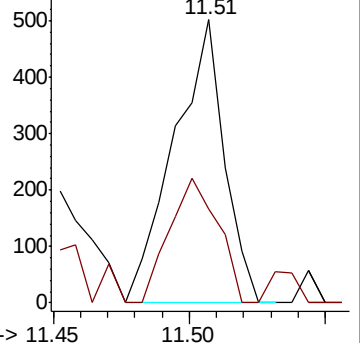
105 100

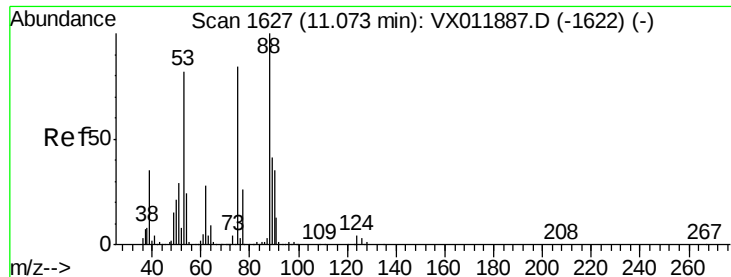
120 42.6 25.3 75.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

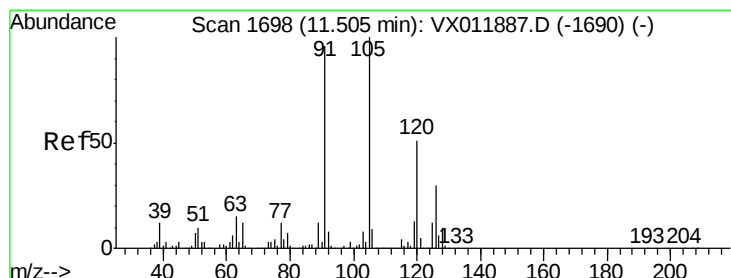
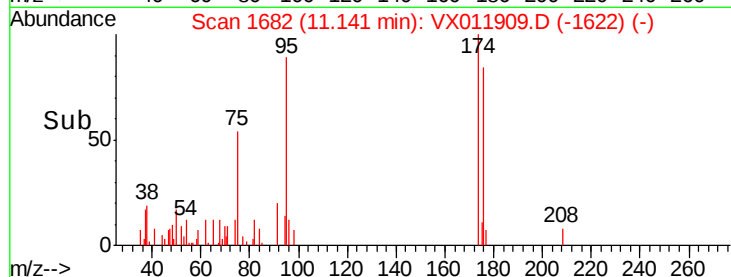
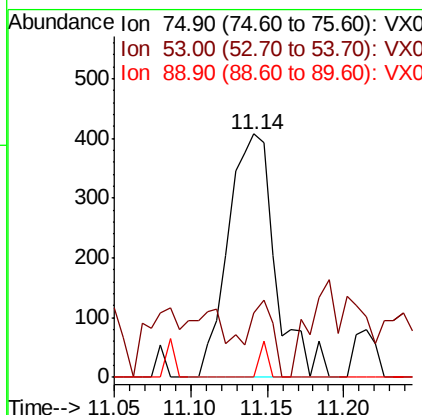
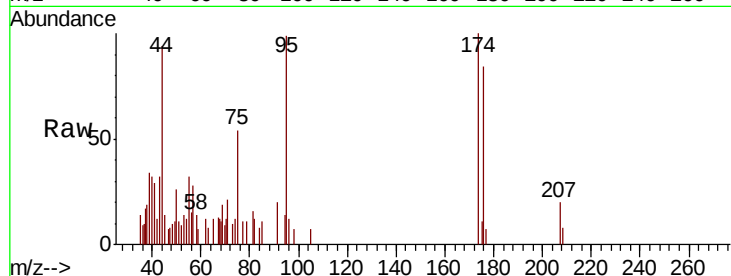




#81
trans-1,4-Dichloro-2-butene
Concen: 96.630 ug/l
RT: 11.14 min Scan# 1682
Delta R.T. 0.07 min
Lab File: VX011909.D
Acq: 30 Aug 2019 15:02

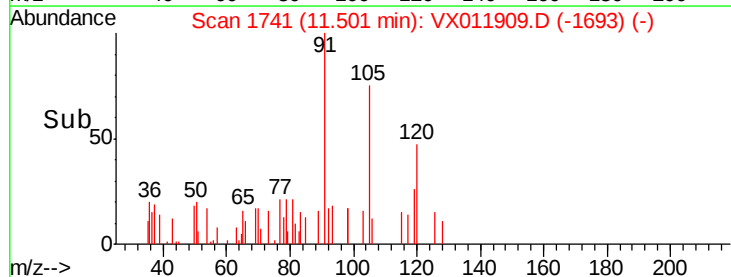
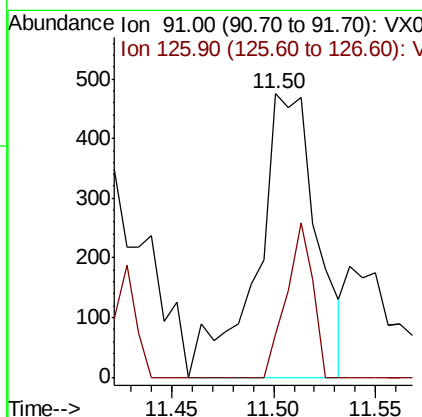
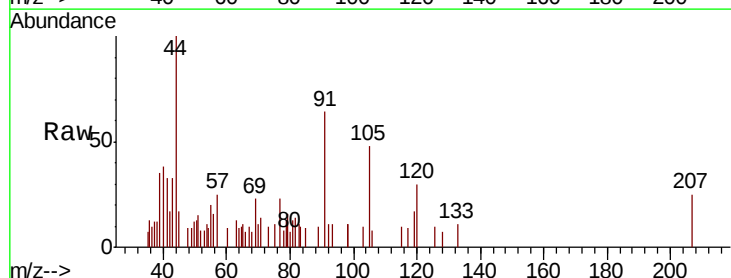
Instrument :
MSVOA_X
ClientSampleId :
T1-2-E-(2.5)

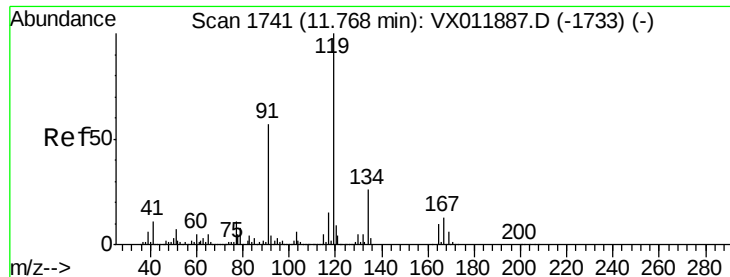
Tot Ion: 75 Resp: 868
Ion Ratio Lower Upper
75 100
53 13.8 77.1 115.7#
89 2.5 38.2 57.2#



#82
4-Chlorotoluene
Concen: 8.873 ug/l
RT: 11.50 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX011909.D
Acq: 30 Aug 2019 15:02

Tgt Ion: 91 Resp: 963
Ion Ratio Lower Upper
91 100
126 24.4 15.9 47.6





#83

tert-Butylbenzene

Concen: 3.967 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. -0.00 min

Lab File: VX011909.D

Acq: 30 Aug 2019 15:02

Instrument :

MSVOA_X

ClientSampled :

T1-2-E-(2.5)

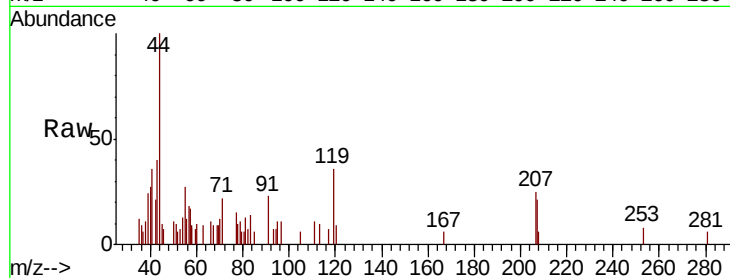
Tot Ion:119 Resp: 458

Ion Ratio Lower Upper

119 100

91 114.8 27.9 83.6#

134 9.8 12.3 36.8#

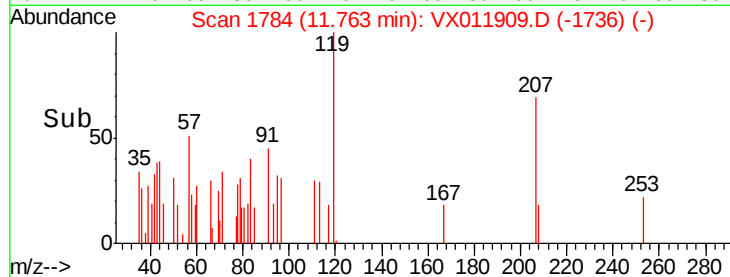


Abundance Ion 119.00 (118.70 to 119.70): V

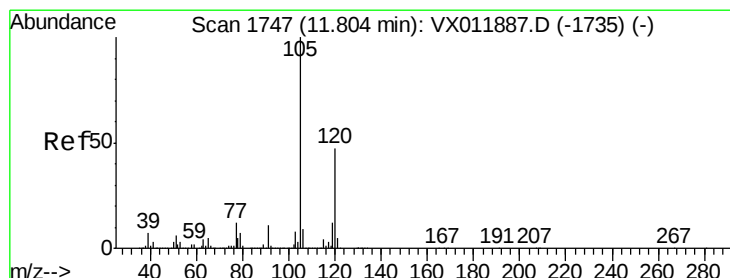
Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V

Time-->



Time-->



#84

1,2,4-Trimethylbenzene

Concen: 11.441 ug/l

RT: 11.81 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX011909.D

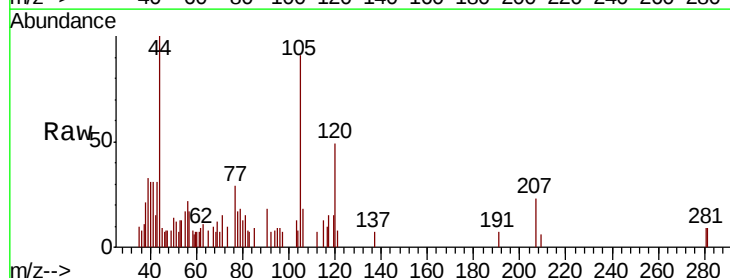
Acq: 30 Aug 2019 15:02

Tgt Ion:105 Resp: 1334

Ion Ratio Lower Upper

105 100

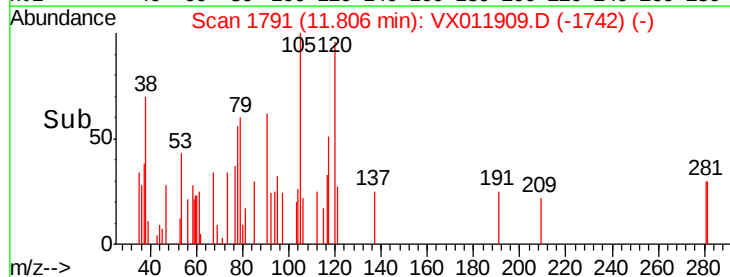
120 46.5 23.4 70.3



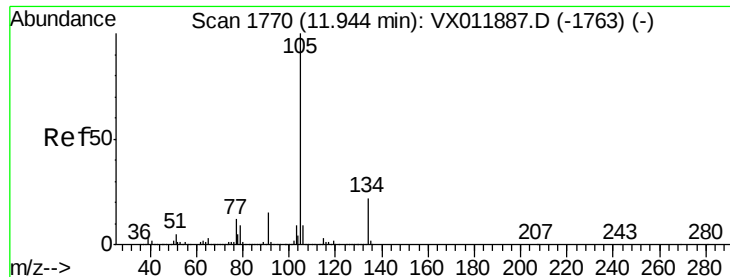
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Time-->



Time-->



#85

sec-Butylbenzene

Concen: 5.496 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX011909.D

Acq: 30 Aug 2019 15:02

Instrument :

MSVOA_X

ClientSampleId :

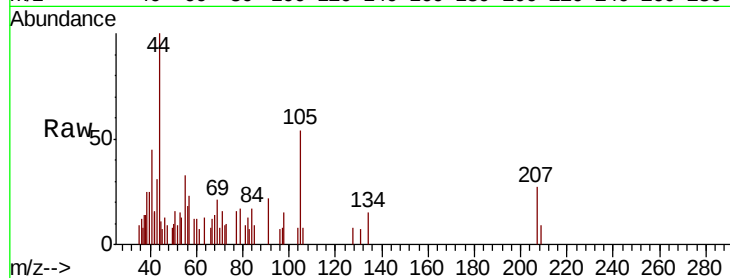
T1-2-E-(2.5)

Tot Ion:105 Resp: 737

Ion Ratio Lower Upper

105 100

134 14.4 10.9 32.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

400

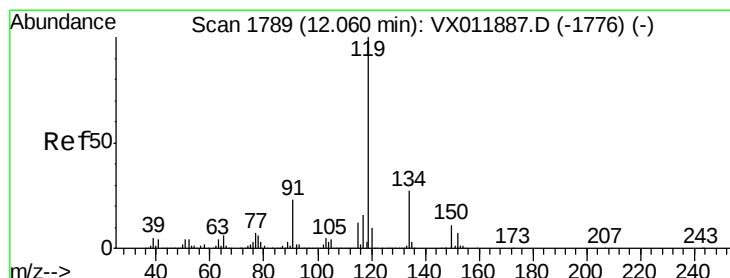
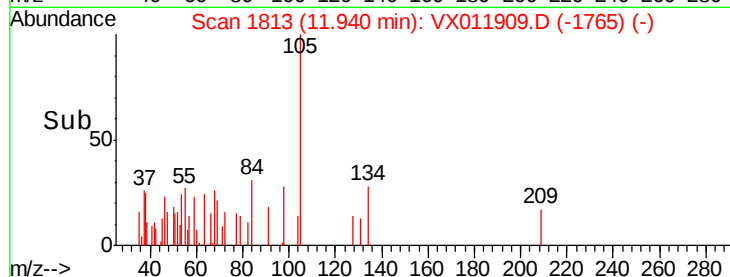
300

200

100

0

Time-->



#86

p-Isopropyltoluene

Concen: 5.345 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX011909.D

Acq: 30 Aug 2019 15:02

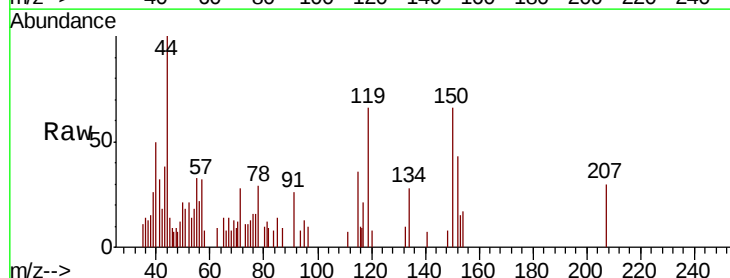
Tgt Ion:119 Resp: 695

Ion Ratio Lower Upper

119 100

134 36.3 13.7 41.0

91 54.0 11.6 34.7#



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

600

500

400

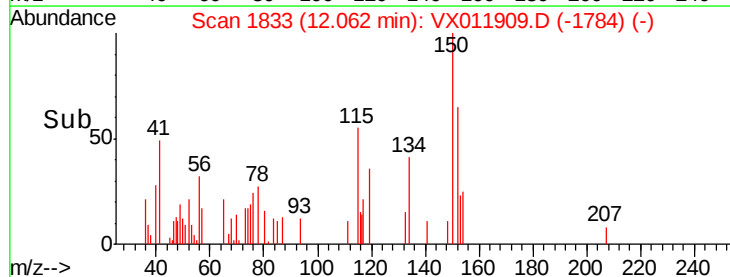
300

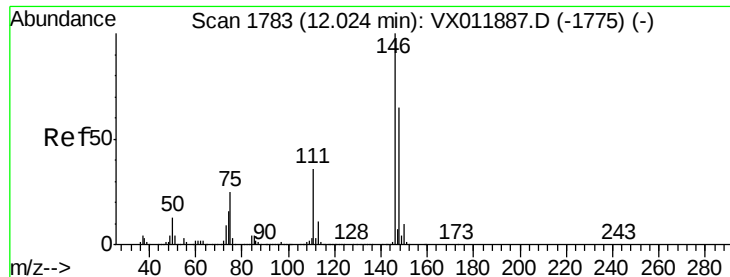
200

100

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 10.205 ug/l

RT: 12.03 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VX011909.D

Acq: 30 Aug 2019 15:02

Instrument :

MSVOA_X

ClientSampleId :

T1-2-E-(2.5)

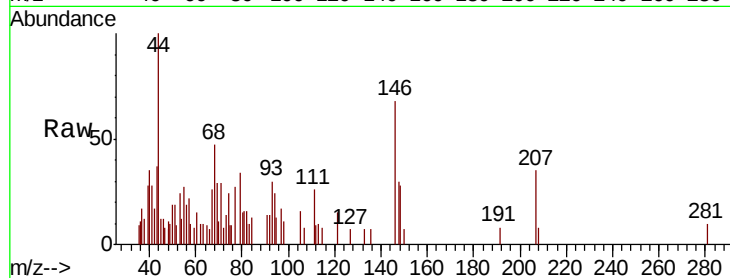
Tot Ion:146 Resp: 725

Ion Ratio Lower Upper

146 100

111 41.1 18.4 55.2

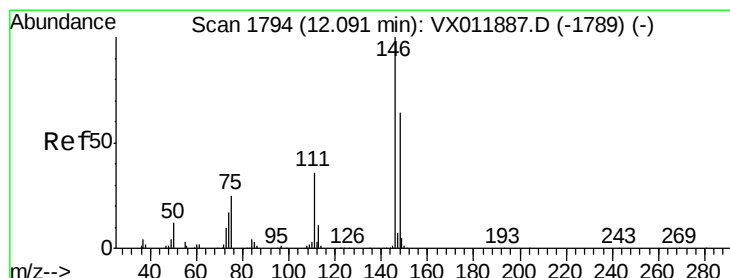
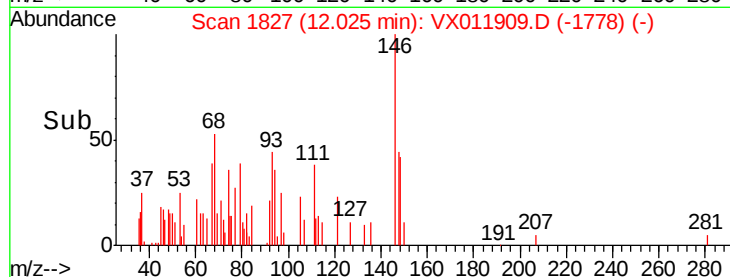
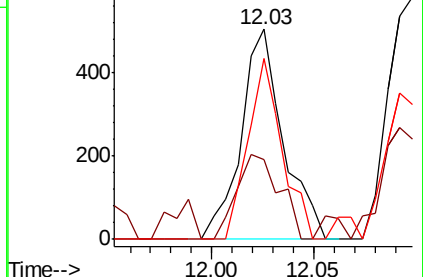
148 69.5 32.1 96.5



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



#88

1,4-Dichlorobenzene

Concen: 12.531 ug/l

RT: 12.10 min Scan# 1839

Delta R.T. 0.01 min

Lab File: VX011909.D

Acq: 30 Aug 2019 15:02

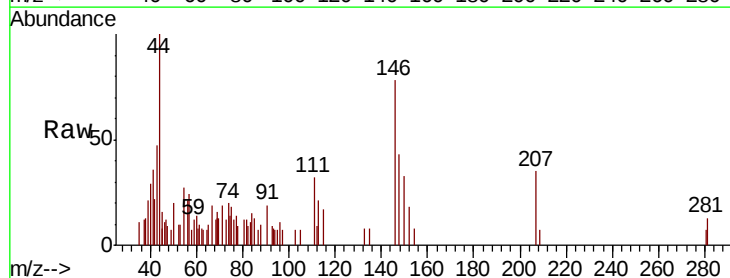
Tgt Ion:146 Resp: 900

Ion Ratio Lower Upper

146 100

111 45.1 17.9 53.7

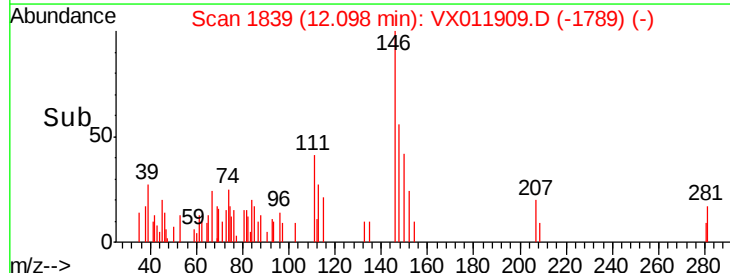
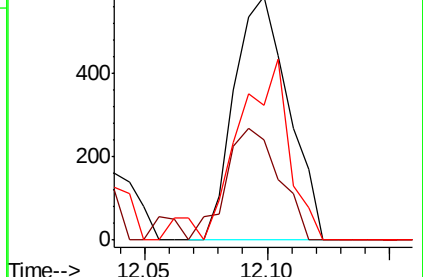
148 71.4 32.4 97.0

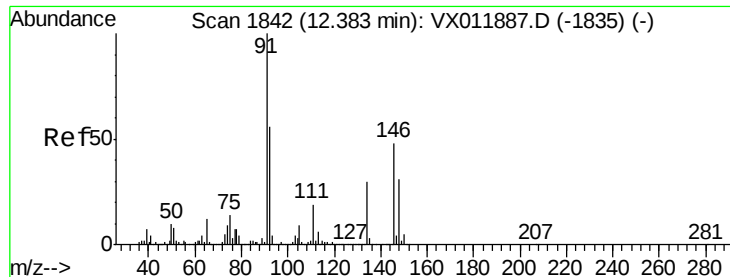


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 9.128 ug/l

RT: 12.38 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX011909.D

Acq: 30 Aug 2019 15:02

Instrument :

MSVOA_X

ClientSampled :

T1-2-E-(2.5)

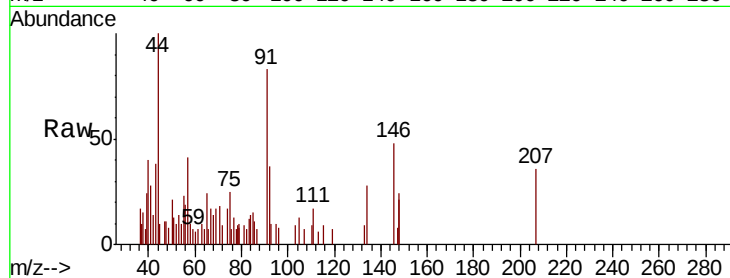
Tot Ion: 91 Resp: 1050

Ion Ratio Lower Upper

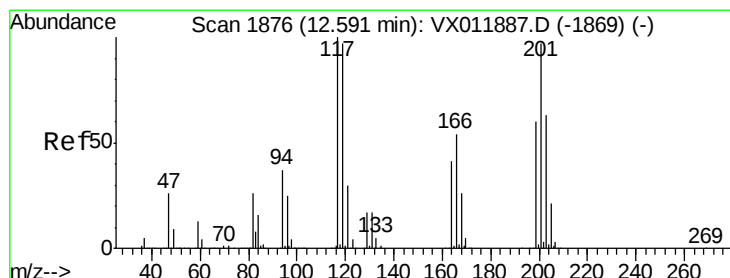
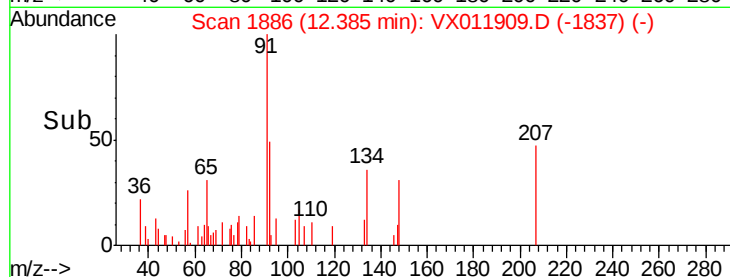
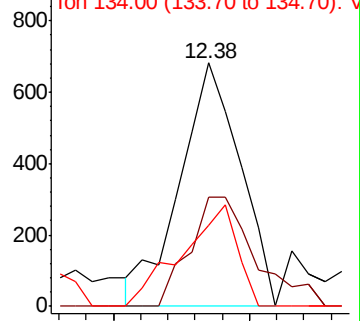
91 100

92 49.1 27.6 82.8

134 38.3 14.8 44.3



Abundance Ion 91.00 (90.70 to 91.70): VX011887.D (-1835) (-)



#90

Hexachloroethane

Concen: 5.844 ug/l

RT: 12.59 min Scan# 1920

Delta R.T. 0.00 min

Lab File: VX011909.D

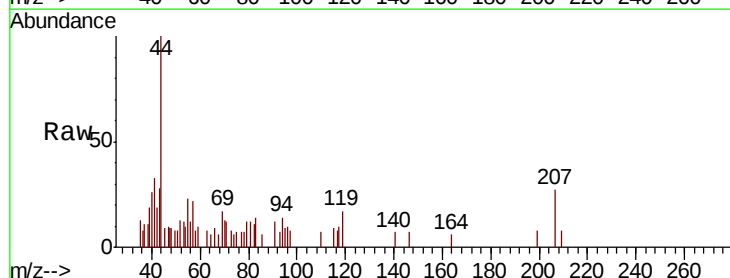
Acq: 30 Aug 2019 15:02

Tgt Ion: 117 Resp: 147

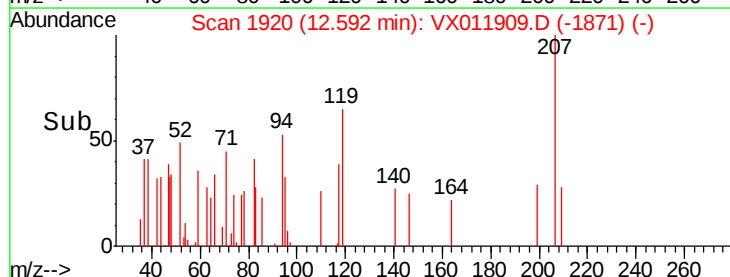
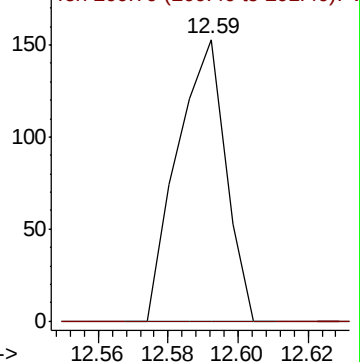
Ion Ratio Lower Upper

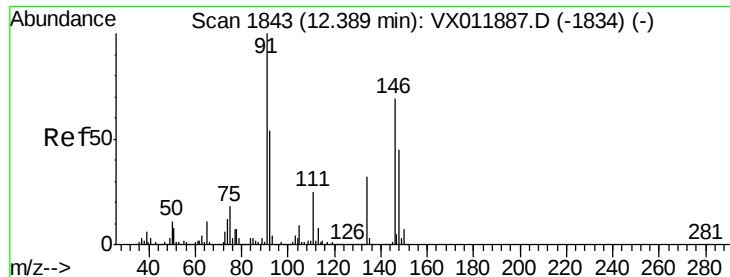
117 100

201 0.0 52.8 158.5#



Abundance Ion 116.80 (116.50 to 117.50): VX011887.D (-1869) (-)





#91

1,2-Dichlorobenzene

Concen: 10.068 ug/l

RT: 12.38 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX011909.D

Acq: 30 Aug 2019 15:02

Instrument :

MSVOA_X

ClientSampled :

T1-2-E-(2.5)

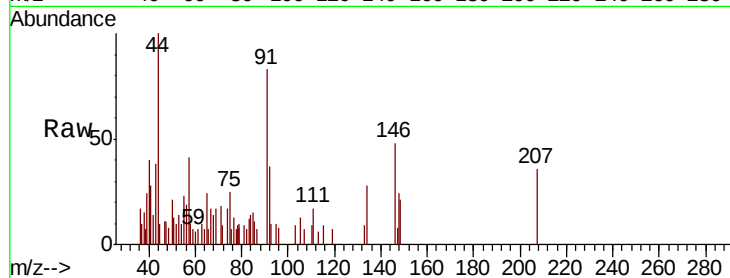
Tot Ion:146 Resp: 665

Ion Ratio Lower Upper

146 100

111 59.8 18.9 56.5#

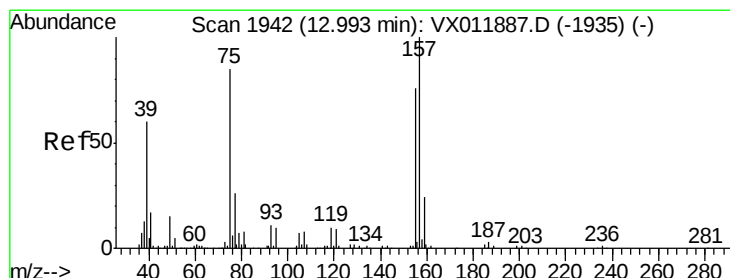
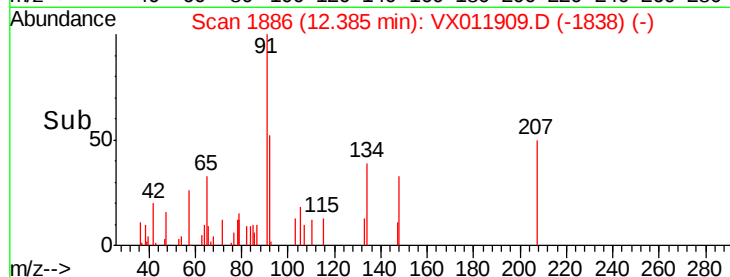
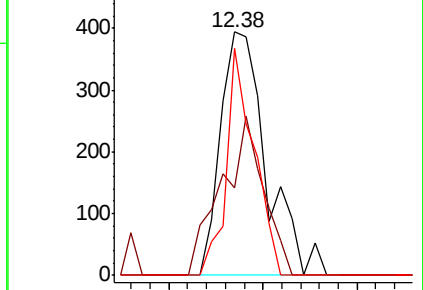
148 56.1 32.1 96.3



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: 25.123 ug/l

RT: 12.98 min Scan# 1984

Delta R.T. -0.01 min

Lab File: VX011909.D

Acq: 30 Aug 2019 15:02

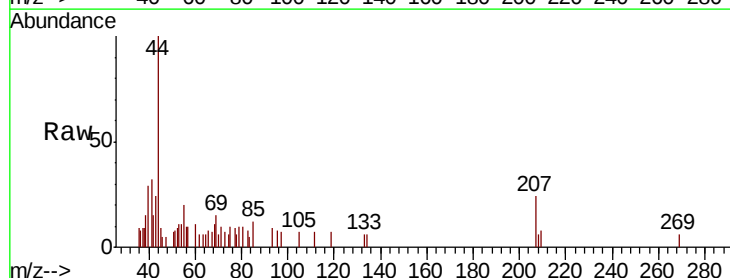
Tgt Ion: 75 Resp: 135

Ion Ratio Lower Upper

75 100

155 40.7 50.1 150.4#

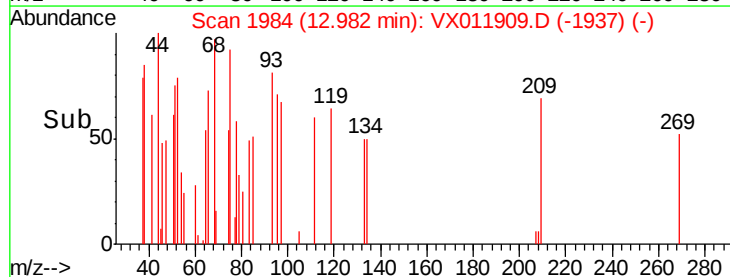
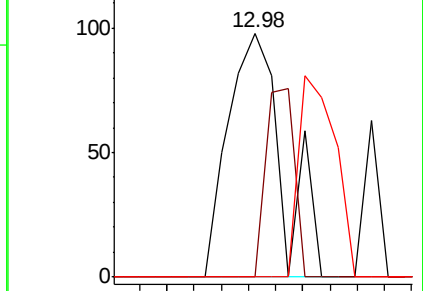
157 55.6 63.9 191.7#

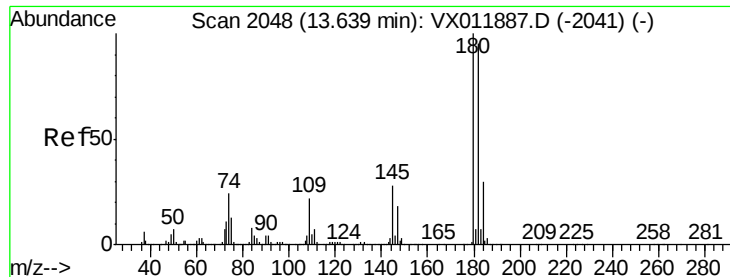


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

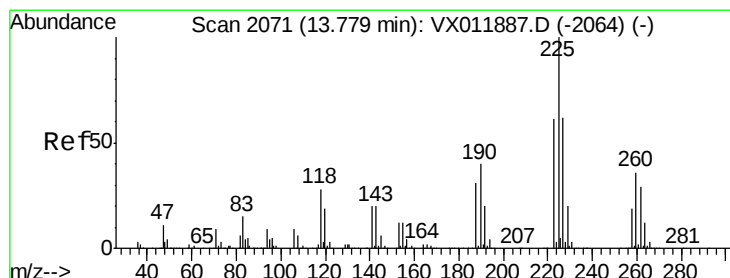
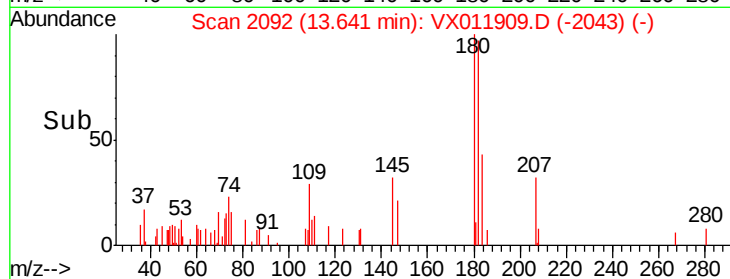
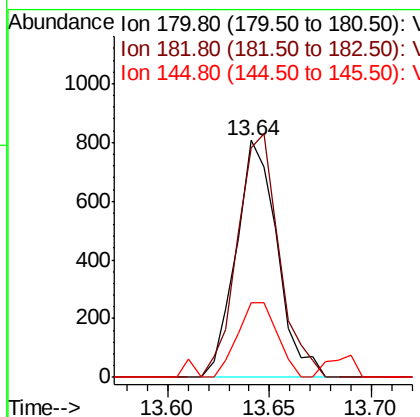
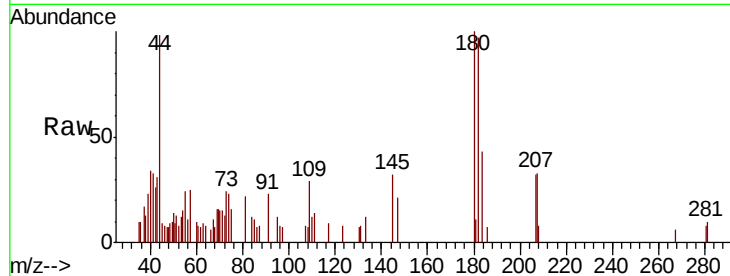




#93
 1,2,4-Trichlorobenzene
 Concen: 20.353 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX011909.D
 Acq: 30 Aug 2019 15:02

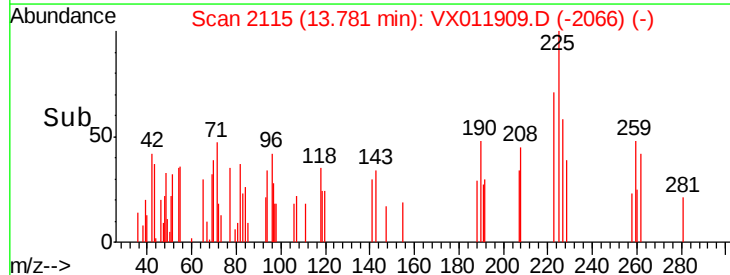
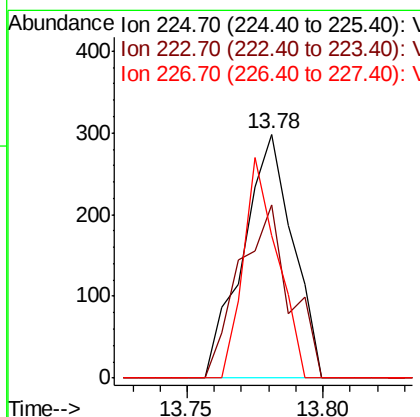
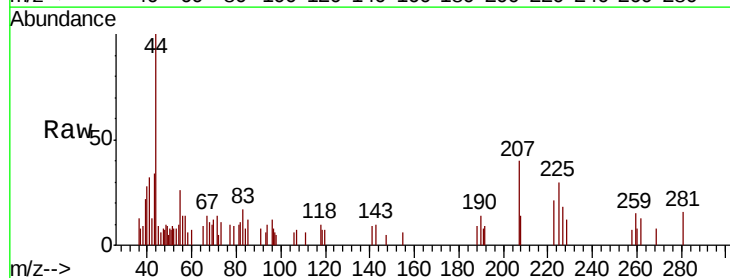
Instrument :
 MSVOA_X
 ClientSampled :
 T1-2-E-(2.5)

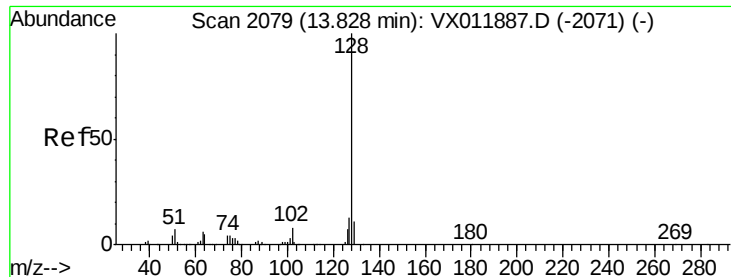
Tot Ion:180 Resp: 1132
 Ion Ratio Lower Upper
 180 100
 182 103.9 48.1 144.4
 145 30.4 13.8 41.3



#94
 Hexachlorobutadiene
 Concen: 10.204 ug/l
 RT: 13.78 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VX011909.D
 Acq: 30 Aug 2019 15:02

Tgt Ion:225 Resp: 379
 Ion Ratio Lower Upper
 225 100
 223 72.0 30.8 92.3
 227 61.7 31.9 95.7





#95

Naphthalene

Concen: 31.282 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX011909.D

Acq: 30 Aug 2019 15:02

Instrument :

MSVOA_X

ClientSampleId :

T1-2-E-(2.5)

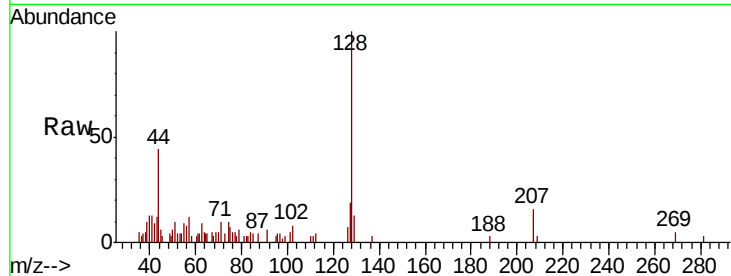
Tot Ion:128 Resp: 2986

Ion Ratio Lower Upper

128 100

127 15.8 10.4 15.6#

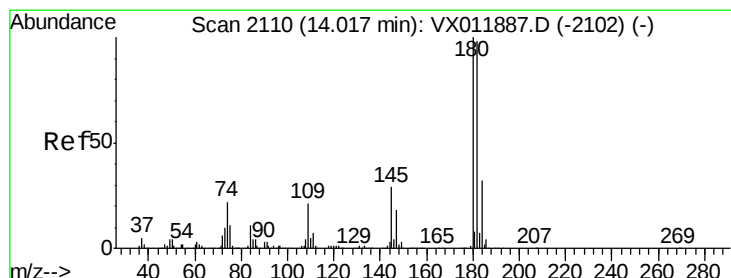
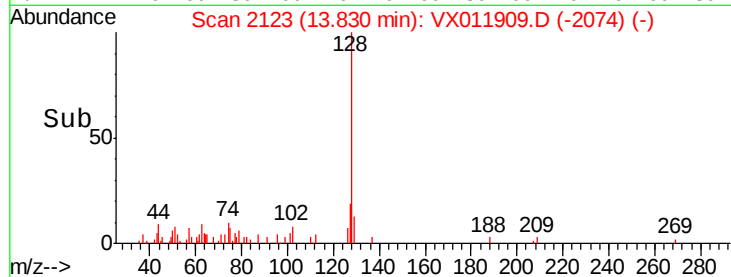
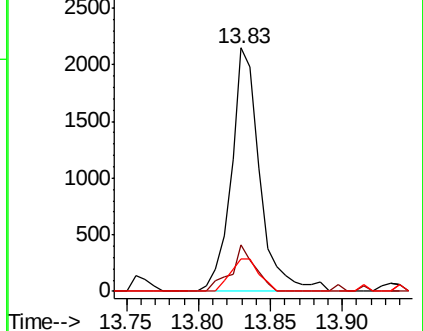
129 13.4 8.8 13.2#



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: 19.246 ug/l

RT: 14.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VX011909.D

Acq: 30 Aug 2019 15:02

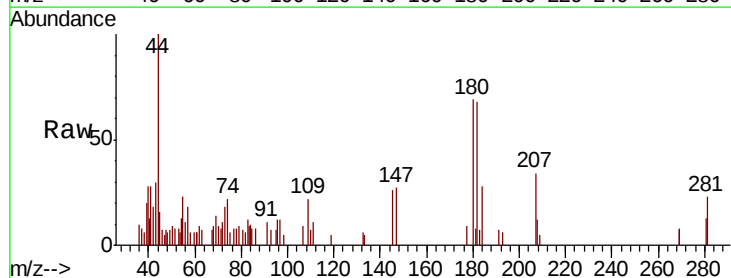
Tgt Ion:180 Resp: 968

Ion Ratio Lower Upper

180 100

182 102.8 48.3 144.8

145 32.1 14.6 43.8



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

