

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX030819\
 Data File : VX007920.D
 Acq On : 08 Mar 2019 09:54
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Quant Time: Mar 09 03:43:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X030819W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 08 12:01:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	44796	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	240202	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	218382	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	89695	30.46	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.53%
60) 4-Bromofluorobenzene	11.13	95	103391	29.66	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.87%
63) Toluene-d8	8.71	98	298181	29.84	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.47%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	14373	5.405	ug/l 100
3) Chloromethane	1.33	50	18025	6.095	ug/l 95
4) Vinyl Chloride	1.41	62	17893	6.108	ug/l 99
5) Bromomethane	1.64	94	9351	6.403	ug/l 99
6) Chloroethane	1.73	64	10978	6.417	ug/l 98
7) Trichlorofluoromethane	1.93	101	23390	6.412	ug/l 95
8) Diethyl Ether	2.19	74	9643	5.133	ug/l 85
9) 1,1,2-Trichlorotrifluoroet	2.39	101	14832	5.408	ug/l 98
10) 1,1-Dichloroethene	2.38	96	13450	5.174	ug/l 97
11) Methyl Iodide	2.51	142	18831	4.628	ug/l 92
12) Methyl Acetate	2.78	43	25424	6.184	ug/l 98
13) Acrolein	2.29	56	14803	30.693	ug/l 97
14) Acrylonitrile	3.15	53	45939	26.324	ug/l 99
15) Acetone	2.45	58	17359	27.552	ug/l 99
16) Carbon Disulfide	2.57	76	40923	5.018	ug/l 99
17) Allyl chloride	2.73	41	27139	5.093	ug/l 98
18) Methylene Chloride	2.86	84	16822	5.681	ug/l 97
19) trans-1,2-Dichloroethene	3.17	96	14520	5.279	ug/l 99
20) Diisopropyl ether	3.87	45	51201	5.252	ug/l 96
21) 1,1-Dichloroethane	3.70	63	28291	5.336	ug/l 98
22) cis-1,2-Dichloroethene	4.60	96	16665	5.253	ug/l 90
23) tert-Butyl Alcohol	3.06	59	18249	25.921	ug/l # 100
24) Methyl tert-Butyl Ether	3.20	73	47141	5.275	ug/l 96
25) Chloroform	5.21	83	26888	5.373	ug/l 92
26) Cyclohexane	5.57	56	24888	5.080	ug/l # 92
29) 1,1-Dichloropropene	5.80	75	19784	5.195	ug/l 97
30) 2-Butanone	4.70	43	67797	26.393	ug/l 97
31) 2,2-Dichloropropane	4.58	77	17686	5.028	ug/l 99
32) 1,1,1-Trichloroethane	5.49	97	20985	5.095	ug/l 97
33) Carbon Tetrachloride	5.78	117	18304	5.011	ug/l 94
34) Benzene	6.14	78	62378	5.344	ug/l 97
35) Methacrylonitrile	5.06	41	13389	5.349	ug/l 91
36) 1,2-Dichloroethane	6.20	62	21059	5.546	ug/l 98
37) Trichloroethene	7.21	130	16965	5.365	ug/l 100
38) Methylcyclohexane	7.46	83	24797	5.121	ug/l 93
39) 1,2-Dichloropropane	7.51	63	15991	5.253	ug/l 98
40) Dibromomethane	7.66	93	10327	5.349	ug/l 93

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 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Quant Time: Mar 09 03:43:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X030819W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 08 12:01:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	18388	5.038	ug/l	99
42) Vinyl Acetate	3.82	43	205270	24.686	ug/l	96
43) Ethyl Acetate	5.15	43	4751	1.062	ug/l	97
44) Isopropyl Acetate	6.46	43	33991	4.979	ug/l	98
45) 1,4-Dioxane	7.75	88	7227	101.180	ug/l #	85
46) Methyl methacrylate	7.77	41	18132	5.050	ug/l	88
47) n-amyl Acetate	10.90	43	29121	4.951	ug/l	99
48) t-1,3-Dichloropropene	9.04	75	17265	4.368	ug/l	96
49) cis-1,3-Dichloropropene	8.43	75	20948	4.681	ug/l	99
50) 1,1,2-Trichloroethane	9.21	97	16369	5.562	ug/l	96
51) Ethyl methacrylate	9.18	69	22135	4.959	ug/l	93
52) 1,3-Dichloropropane	9.37	76	26088	5.365	ug/l	100
53) Dibromochloromethane	9.58	129	14584	4.818	ug/l	99
54) 1,2-Dibromoethane	9.67	107	16002	5.201	ug/l	100
55) 2-Chloroethyl vinyl ether	8.31	63	55281	26.630	ug/l	99
56) Bromoform	10.85	173	11307	4.683	ug/l #	97
58) 4-Methyl-2-Pentanone	8.65	43	111678	24.838	ug/l	99
59) 2-Hexanone	9.49	43	89407	25.191	ug/l	97
61) Tetrachloroethene	9.34	164	17749	5.572	ug/l	96
62) Toluene	8.78	91	66283	5.198	ug/l	99
64) Chlorobenzene	10.13	112	42562	5.237	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.22	131	14253	4.898	ug/l	98
66) Ethyl Benzene	10.25	91	69740	5.092	ug/l	99
67) m/p-Xylenes	10.36	106	53116	10.113	ug/l	95
68) o-Xylene	10.69	106	25823	5.063	ug/l	96
69) Styrene	10.71	104	41513	4.940	ug/l	98
70) Isopropylbenzene	11.02	105	70283	5.157	ug/l	97
71) 1,1,2,2-Tetrachloroethane	11.27	83	23777	5.283	ug/l	98
72) 1,2,3-Trichloropropane	11.29	75	25205	5.941	ug/l	92
73) Bromobenzene	11.26	156	18926	5.224	ug/l	93
74) n-propylbenzene	11.36	91	78635	5.115	ug/l	98
75) 2-Chlorotoluene	11.42	91	48742	5.290	ug/l	95
76) 1,3,5-Trimethylbenzene	11.51	105	57895	5.126	ug/l	99
77) t-1,4-Dichloro-2-butene	11.07	75	4998	3.813	ug/l	93
78) 4-Chlorotoluene	11.51	91	52614	5.051	ug/l	97
79) tert-butylbenzene	12.06	119	60504	4.992	ug/l	99
80) 1,2,4-Trimethylbenzene	11.80	105	58317	5.088	ug/l	98
81) sec-Butylbenzene	11.94	105	69741	5.137	ug/l	99
82) p-Isopropyltoluene	12.06	119	60504	4.992	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	33751	5.232	ug/l	98
84) 1,4-Dichlorobenzene	12.10	146	33663	5.216	ug/l	98
85) n-Butylbenzene	12.38	91	49873	4.812	ug/l	99
86) Hexachloroethane	12.60	117	9175	4.646	ug/l	80
87) 1,2-Dichlorobenzene	12.39	146	33556	5.264	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.00	75	4173	4.539	ug/l	99
89) 1,2,4-Trichlorobenzene	13.65	180	22207	4.847	ug/l	99
90) Hexachlorobutadiene	13.78	225	13015	5.151	ug/l	97
91) Naphthalene	13.83	128	59747	4.550	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	22182	4.871	ug/l	99

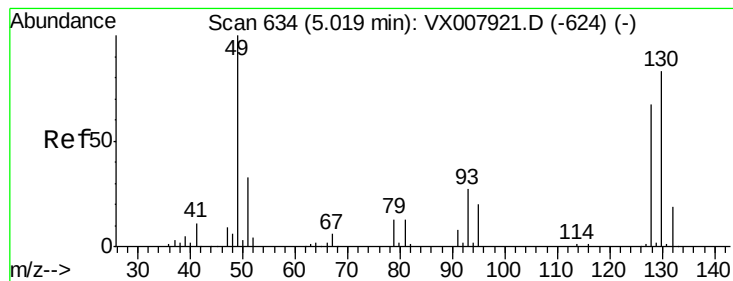
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX030819\
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MSVOA_X
ClientSampleId :
VSTDICC005

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.02 min Scan# 634

Delta R.T. 0.00 min

Lab File: VX007920.D

Acq: 08 Mar 2019 09:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

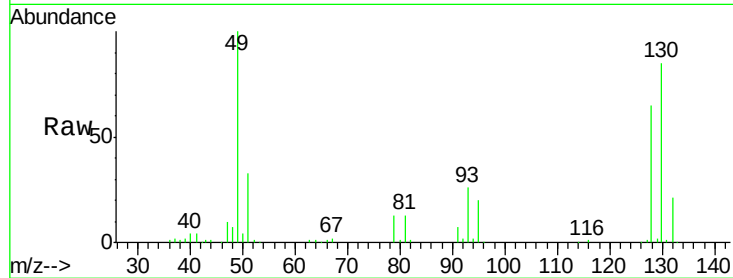
Tot Ion:128 Resp: 44796

Ion Ratio Lower Upper

128 100

49 157.8 0.0 350.8

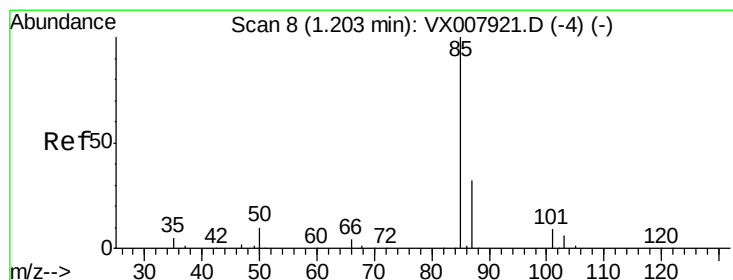
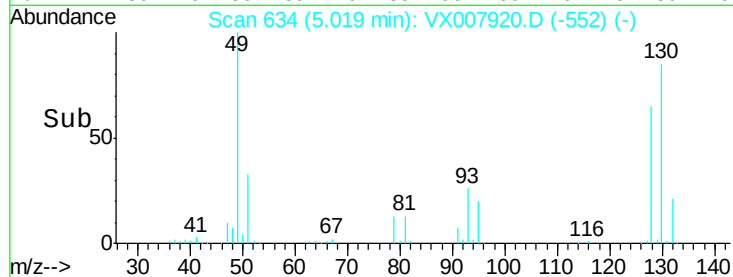
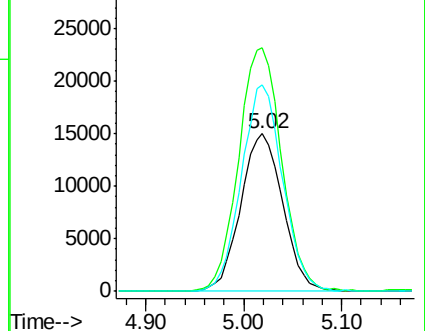
130 128.8 0.0 325.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 5.405 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.00 min

Lab File: VX007920.D

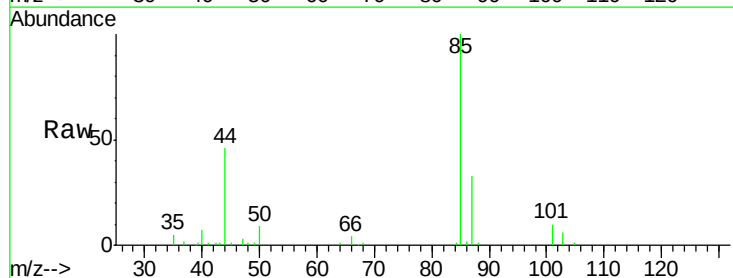
Acq: 08 Mar 2019 09:54

Tgt Ion: 85 Resp: 14373

Ion Ratio Lower Upper

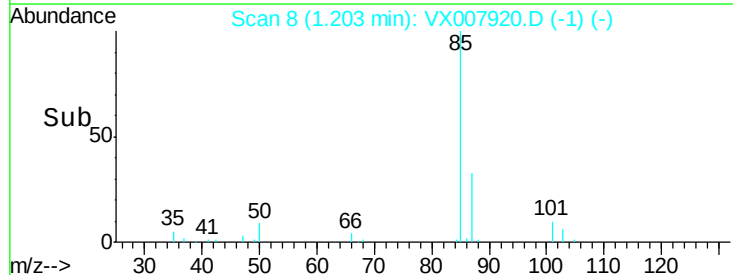
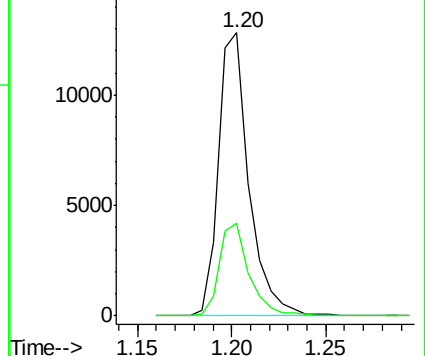
85 100

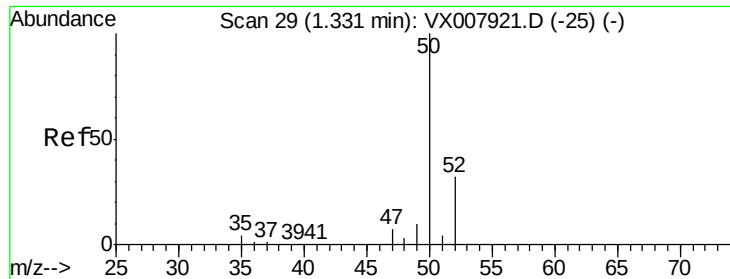
87 32.9 16.6 49.8



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 6.095 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007920.D

Acq: 08 Mar 2019 09:54

Instrument :

MSVOA_X

ClientSampleId :

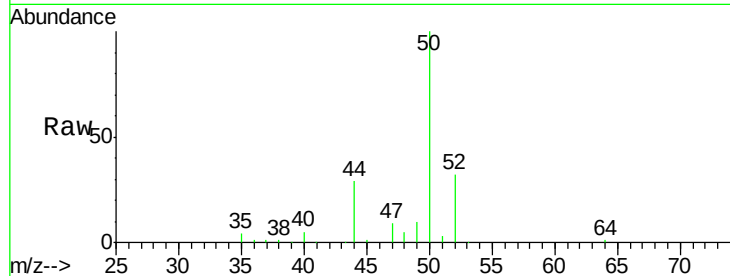
VSTDIC005

Tot Ion: 50 Resp: 18025

Ion Ratio Lower Upper

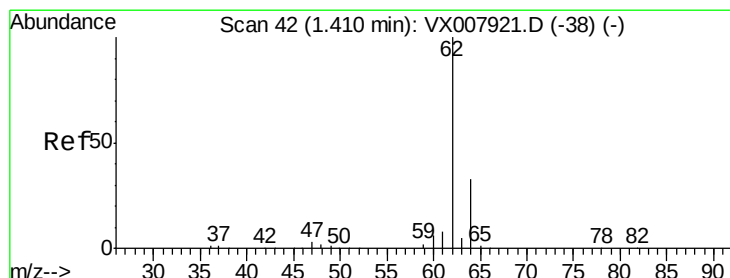
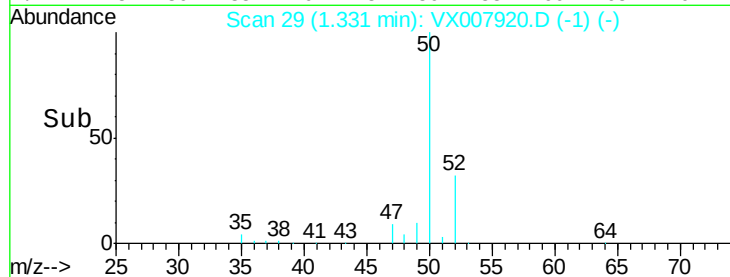
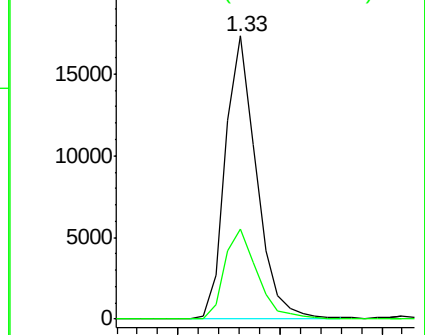
50 100

52 31.8 27.5 41.3



Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#4

Vinyl Chloride

Concen: 6.108 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX007920.D

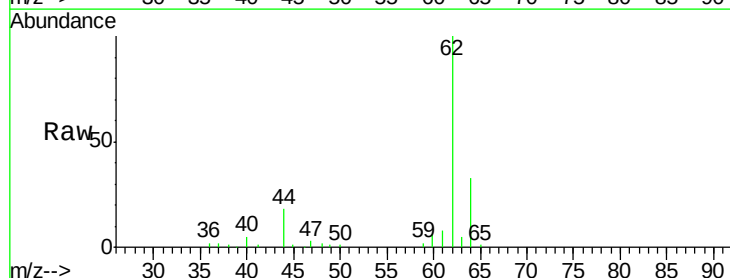
Acq: 08 Mar 2019 09:54

Tgt Ion: 62 Resp: 17893

Ion Ratio Lower Upper

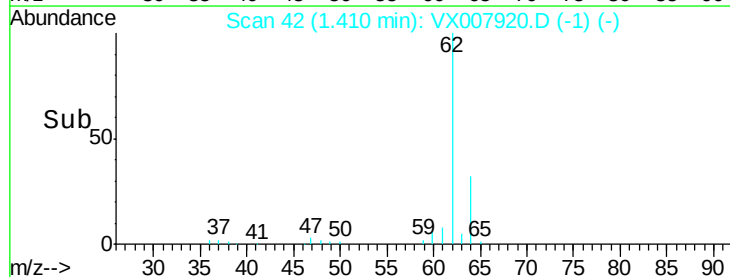
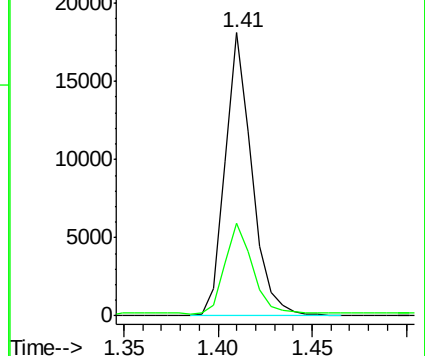
62 100

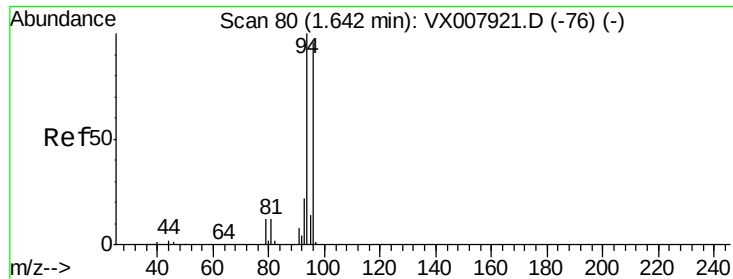
64 31.9 25.9 38.9



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0





#5

Bromomethane

Concen: 6.403 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007920.D

Acq: 08 Mar 2019 09:54

Instrument :

MSVOA_X

ClientSampleId :

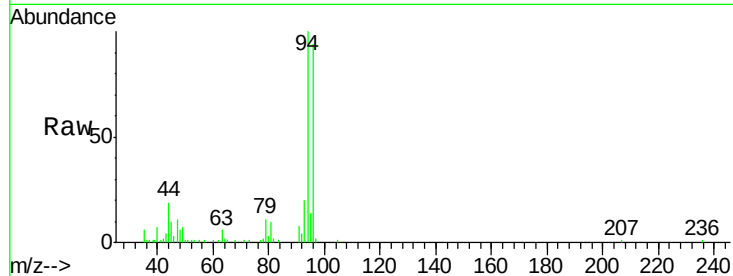
VSTDIC005

Tot Ion: 94 Resp: 9351

Ion Ratio Lower Upper

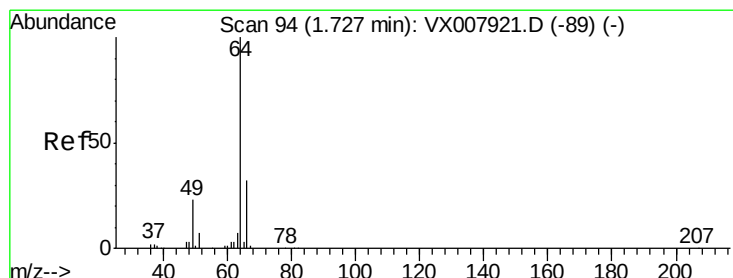
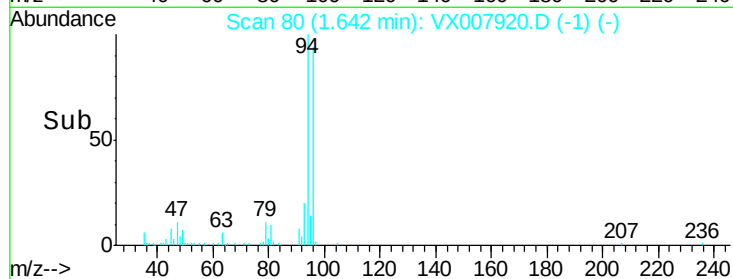
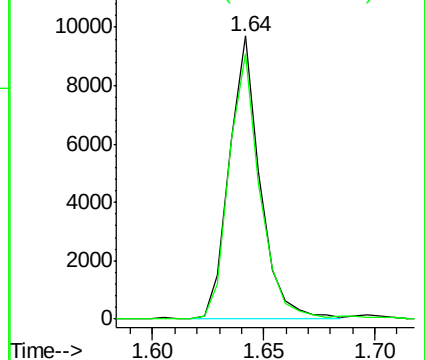
94 100

96 93.8 75.6 113.4



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 6.417 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.00 min

Lab File: VX007920.D

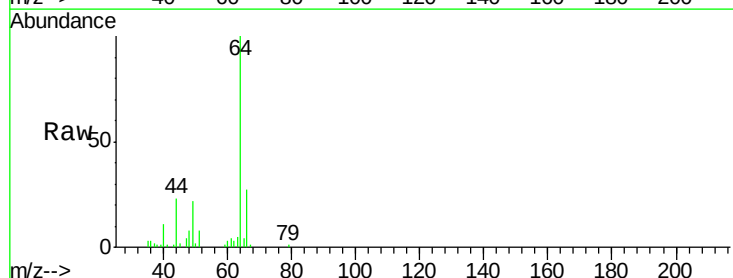
Acq: 08 Mar 2019 09:54

Tgt Ion: 64 Resp: 10978

Ion Ratio Lower Upper

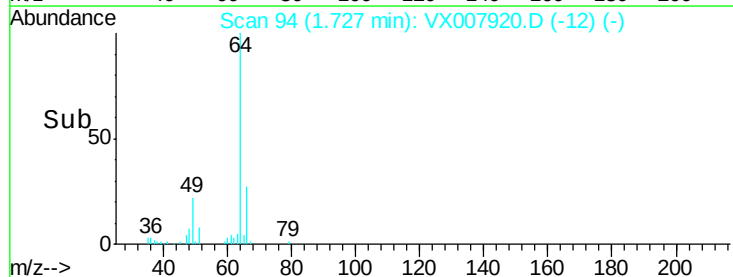
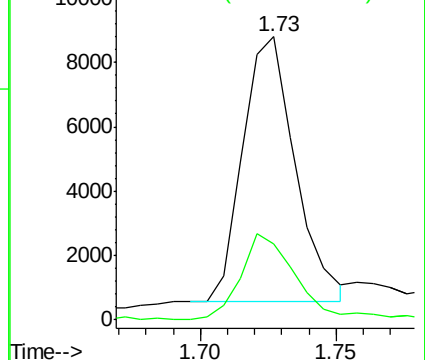
64 100

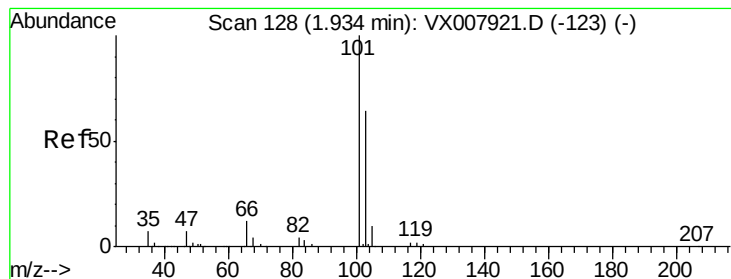
66 28.6 23.9 35.9



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0



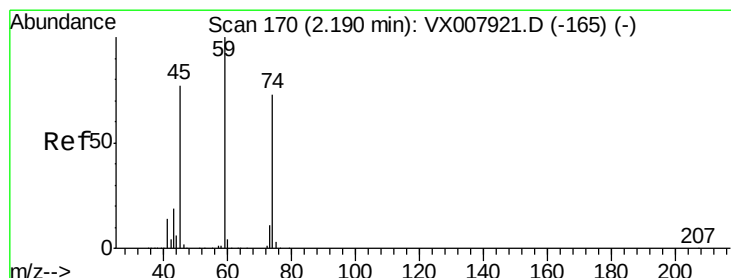
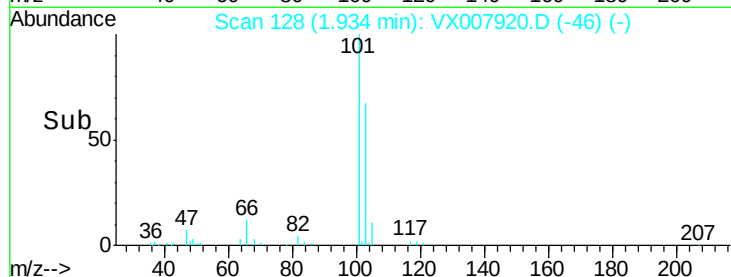
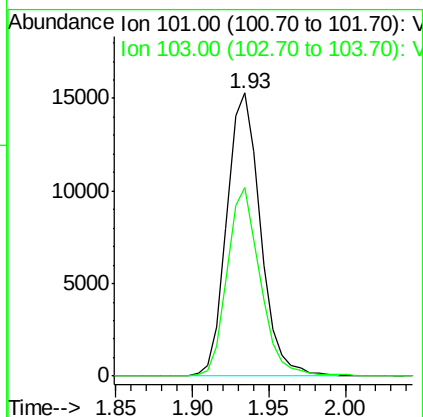
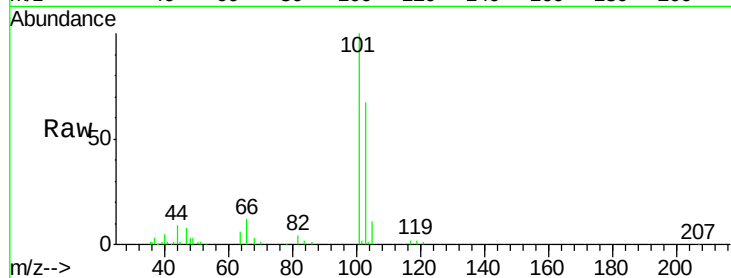


#7

Trichlorofluoromethane
 Concen: 6.412 ug/l
 RT: 1.93 min Scan# 128
 Delta R.T. 0.00 min
 Lab File: VX007920.D
 Acq: 08 Mar 2019 09:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

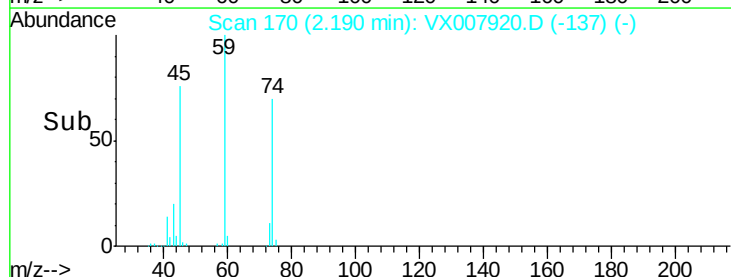
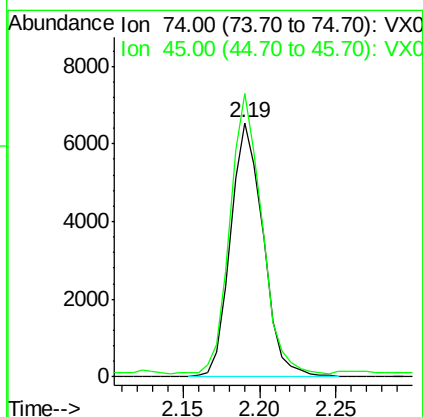
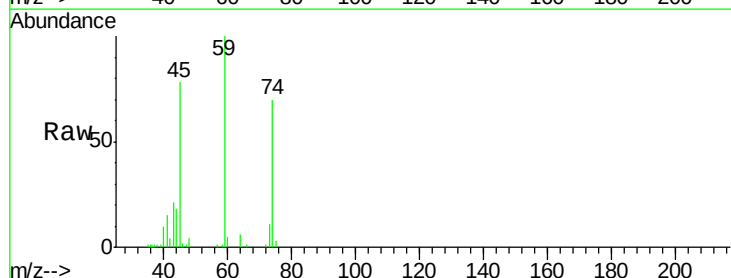
Tot Ion:101 Resp: 23390
 Ion Ratio Lower Upper
 101 100
 103 66.5 50.4 75.6

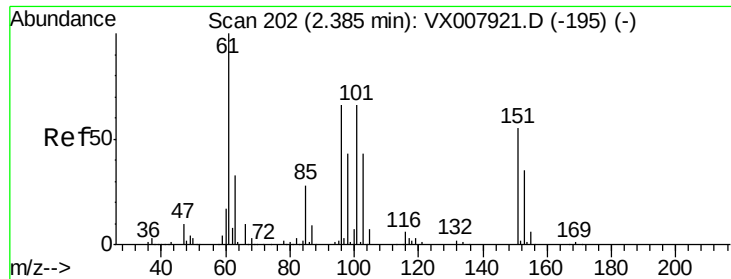


#8

Diethyl Ether
 Concen: 5.133 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.00 min
 Lab File: VX007920.D
 Acq: 08 Mar 2019 09:54

Tgt Ion: 74 Resp: 9643
 Ion Ratio Lower Upper
 74 100
 45 107.8 18.6 167.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.408 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX007920.D

Acq: 08 Mar 2019 09:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

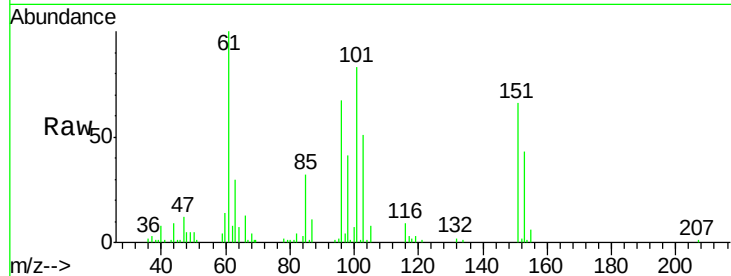
Tot Ion:101 Resp: 14832

Ion Ratio Lower Upper

101 100

85 41.0 0.0 86.8

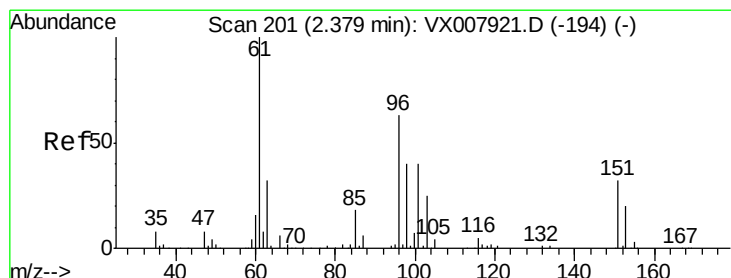
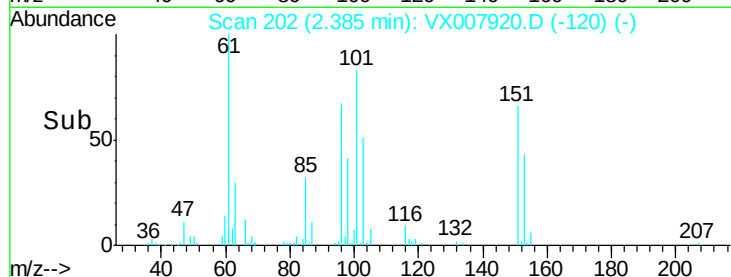
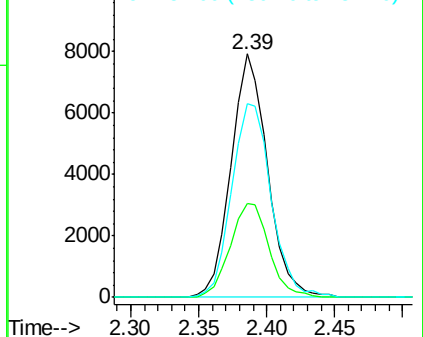
151 85.8 0.0 169.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VX0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 5.174 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX007920.D

Acq: 08 Mar 2019 09:54

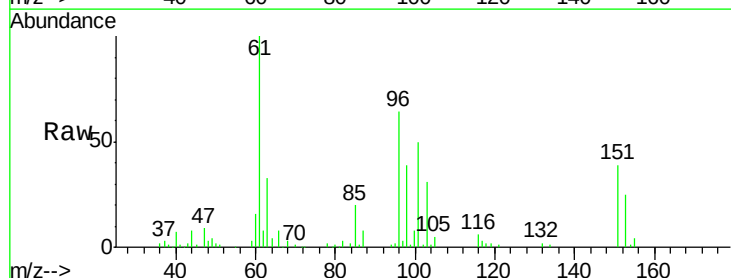
Tgt Ion: 96 Resp: 13450

Ion Ratio Lower Upper

96 100

61 155.3 120.2 180.2

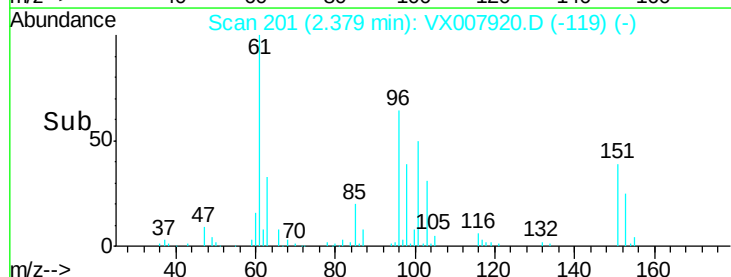
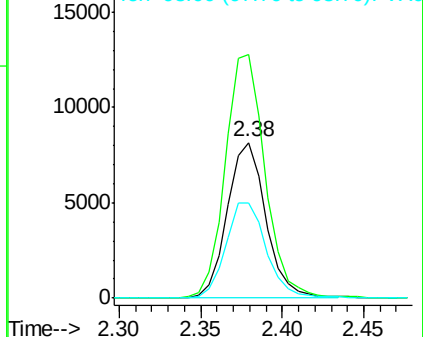
98 60.9 49.0 73.4

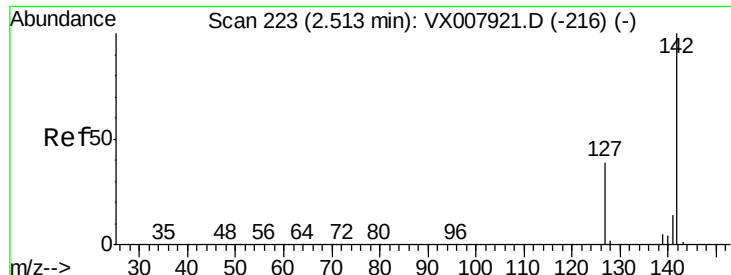


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

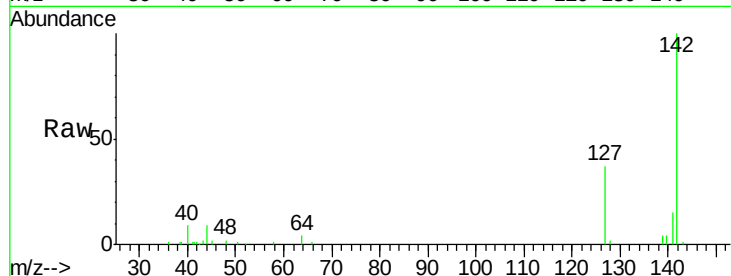




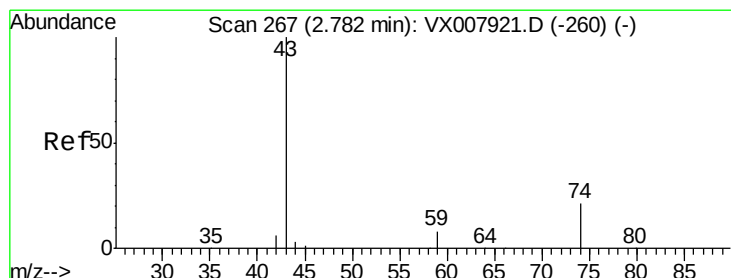
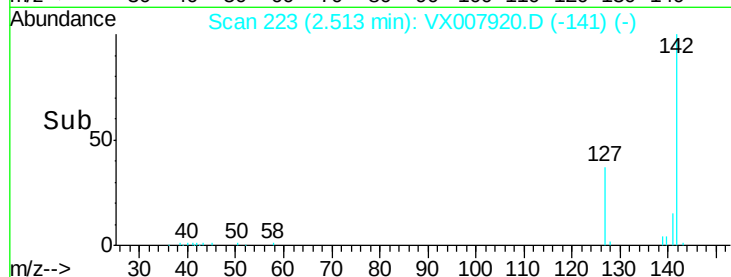
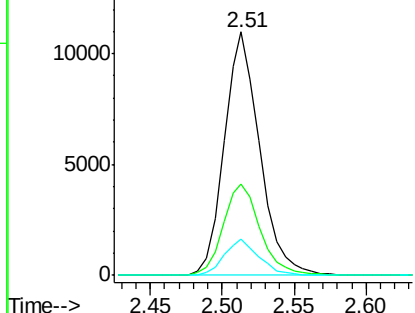
#11
Methvl Iodide
Concen: 4.628 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.00 min
Lab File: VX007920.D
Acq: 08 Mar 2019 09:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:142 Resp: 18831
Ion Ratio Lower Upper
142 100
127 37.4 22.1 66.5
141 14.9 7.4 22.3

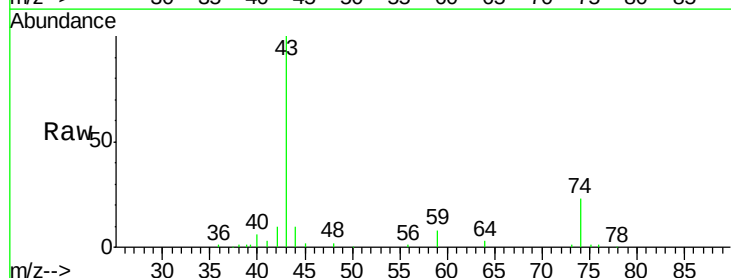


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

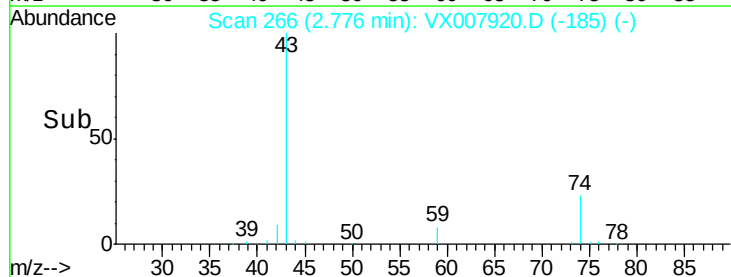
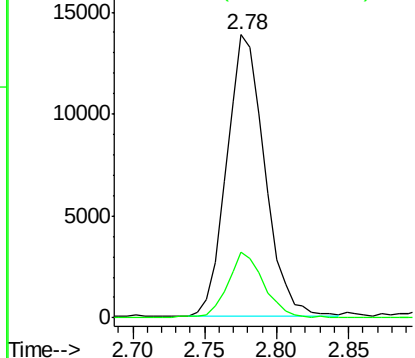


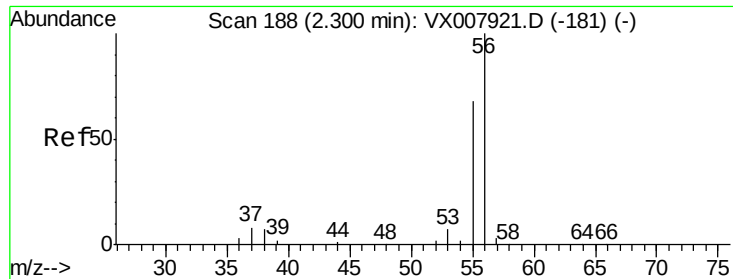
#12
Methyl Acetate
Concen: 6.184 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX007920.D
Acq: 08 Mar 2019 09:54

Tgt Ion: 43 Resp: 25424
Ion Ratio Lower Upper
43 100
74 23.0 19.4 29.0



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 74.00 (73.70 to 74.70): VX0





#13

Acrolein

Concen: 30.693 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.01 min

Lab File: VX007920.D

Acq: 08 Mar 2019 09:54

Instrument :

MSVOA_X

ClientSampleId :

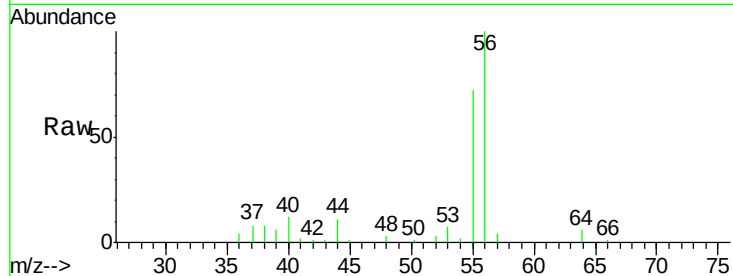
VSTDIC005

Tot Ion: 56 Resp: 14803

Ion Ratio Lower Upper

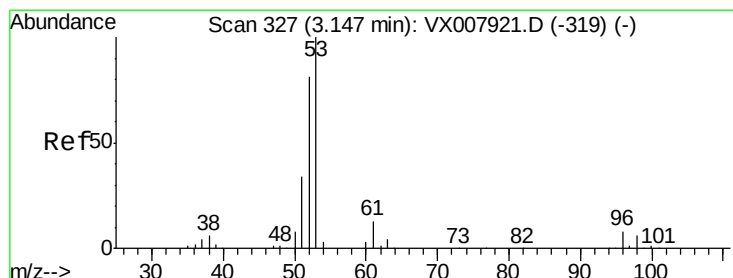
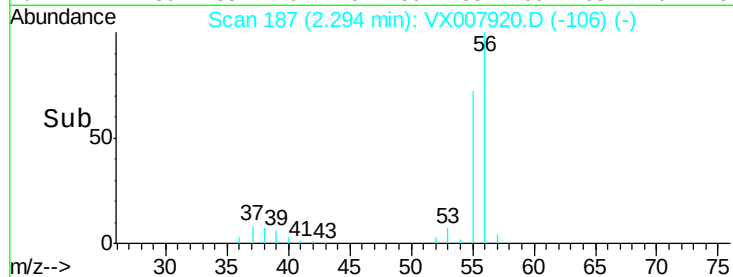
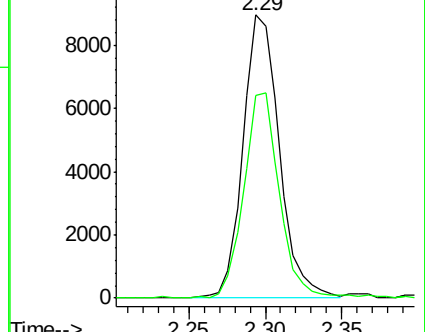
56 100

55 70.3 58.6 87.8



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Acrylonitrile

Concen: 26.324 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX007920.D

Acq: 08 Mar 2019 09:54

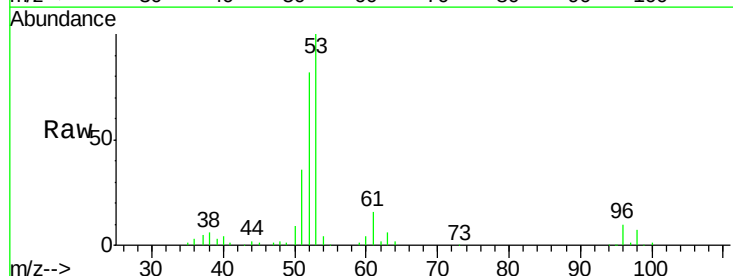
Tgt Ion: 53 Resp: 45939

Ion Ratio Lower Upper

53 100

52 82.5 41.3 124.1

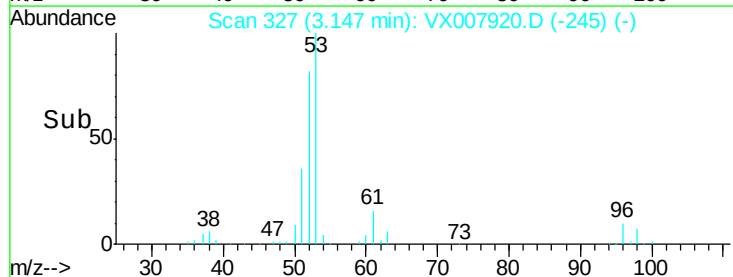
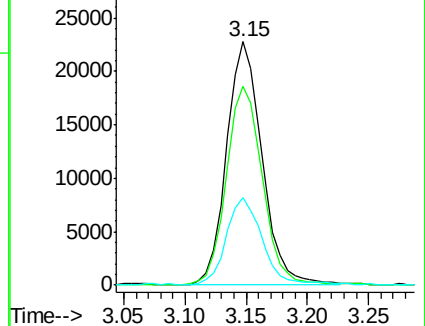
51 36.7 17.5 52.6

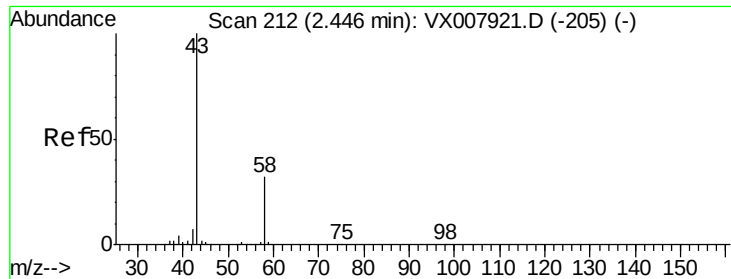


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#15

Acetone

Concen: 27.552 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX007920.D

Acq: 08 Mar 2019 09:54

Instrument :

MSVOA_X

ClientSampleId :

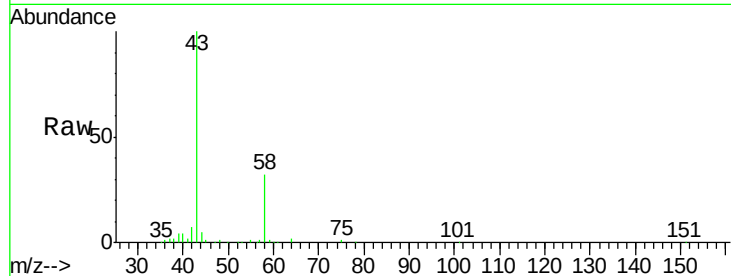
VSTDIC005

Tot Ion: 58 Resp: 17359

Ion Ratio Lower Upper

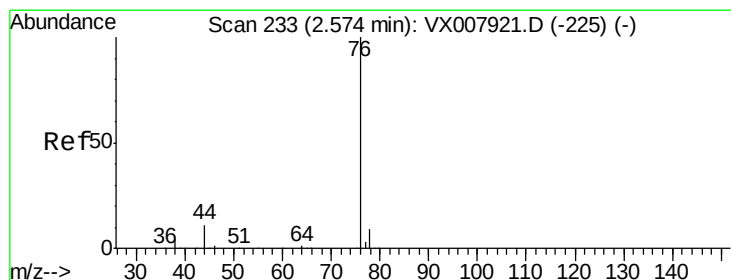
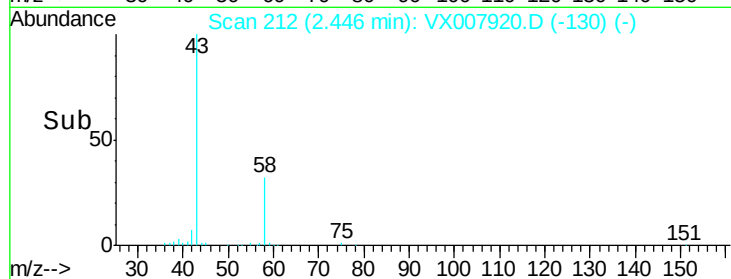
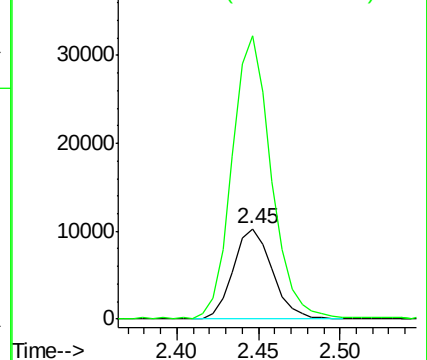
58 100

43 310.8 249.8 374.6



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 5.018 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX007920.D

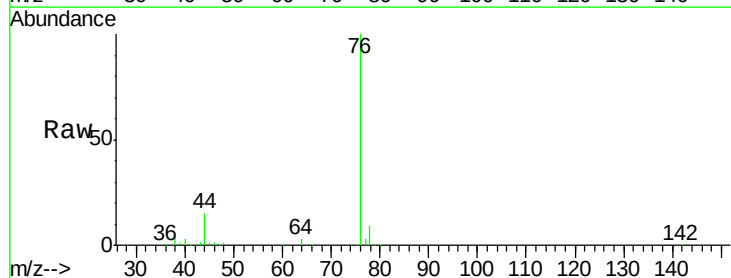
Acq: 08 Mar 2019 09:54

Tgt Ion: 76 Resp: 40923

Ion Ratio Lower Upper

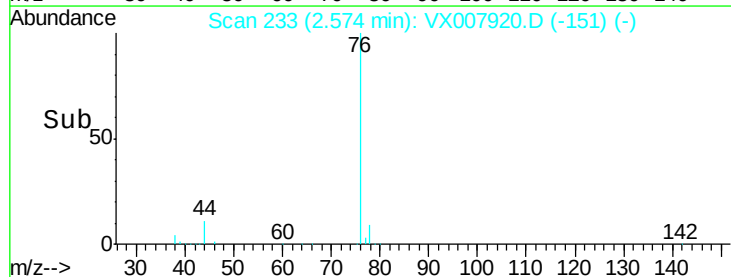
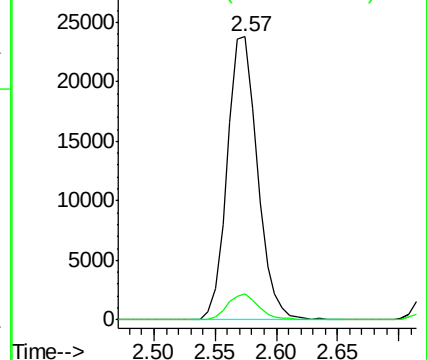
76 100

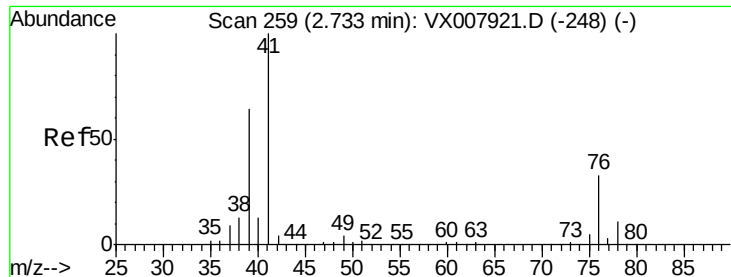
78 9.2 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0

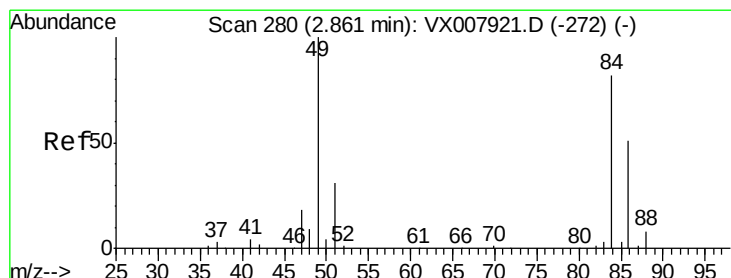
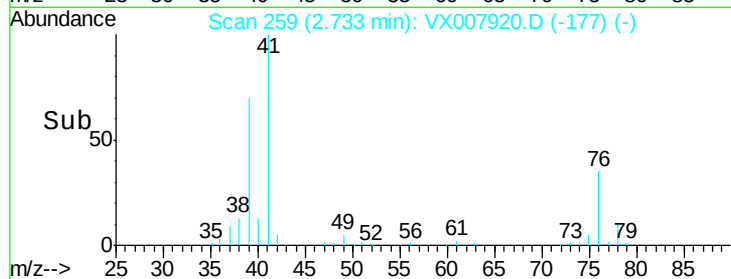
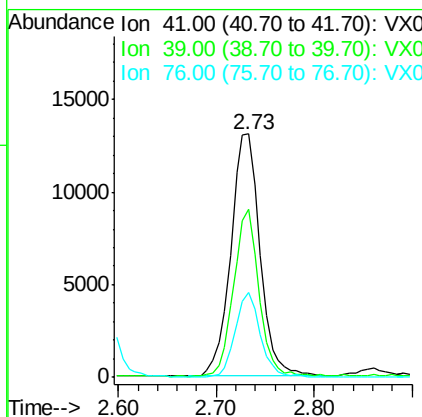
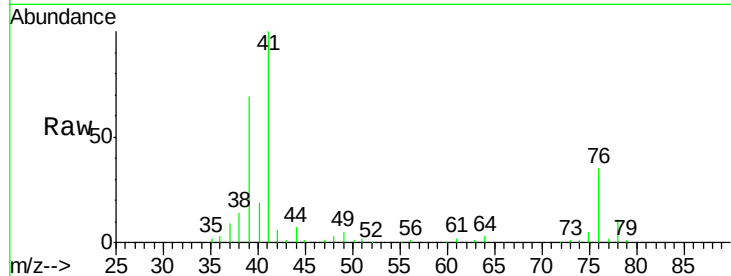




#17
Allvl chloride
Concen: 5.093 ug/l
RT: 2.73 min Scan# 259
Delta R.T. 0.00 min
Lab File: VX007920.D
Acq: 08 Mar 2019 09:54

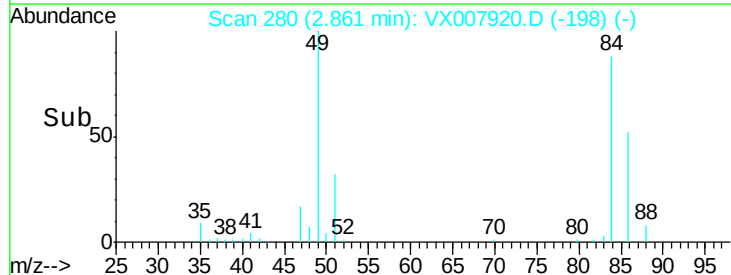
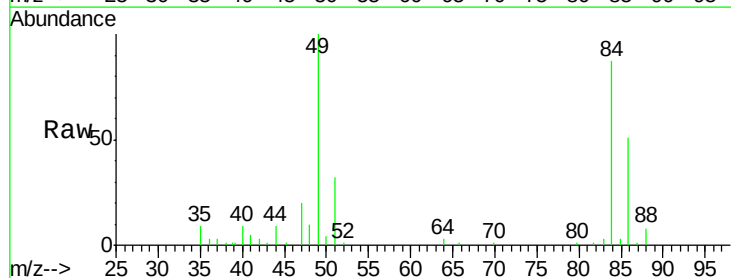
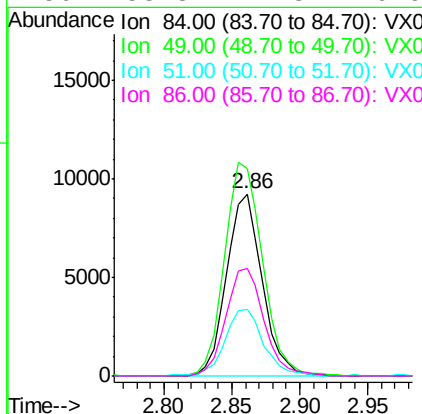
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

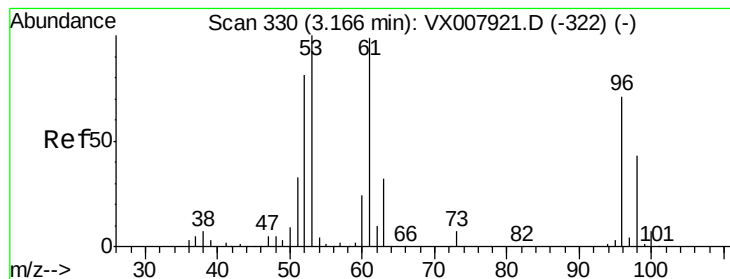
Tot Ion: 41 Resp: 27139
Ion Ratio Lower Upper
41 100
39 69.7 35.8 107.4
76 35.2 18.3 54.9



#18
Methylene Chloride
Concen: 5.681 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007920.D
Acq: 08 Mar 2019 09:54

Tgt Ion: 84 Resp: 16822
Ion Ratio Lower Upper
84 100
49 113.7 96.1 144.1
51 36.4 29.1 43.7
86 58.8 47.3 70.9





#19

trans-1,2-Dichloroethene

Concen: 5.279 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX007920.D

Acq: 08 Mar 2019 09:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

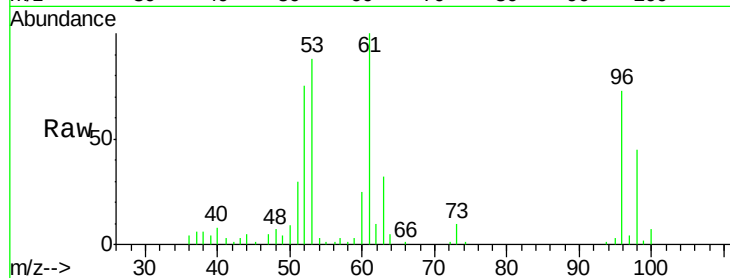
Tot Ion: 96 Resp: 14520

Ion Ratio Lower Upper

96 100

61 137.2 109.9 164.9

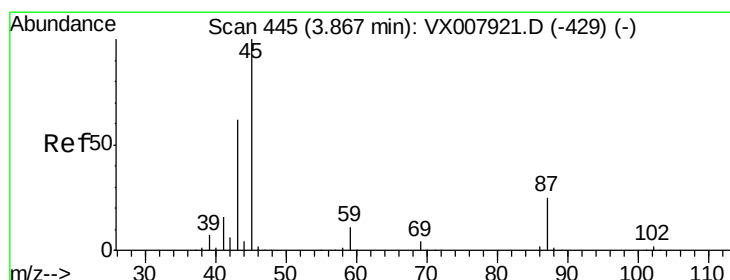
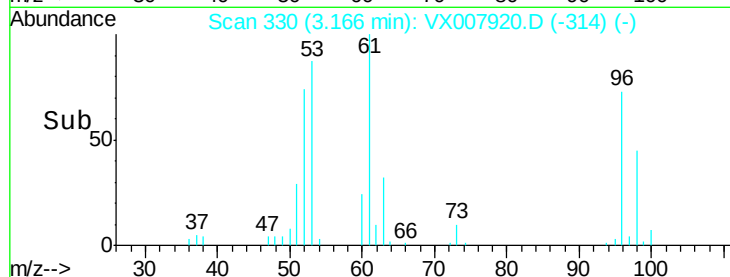
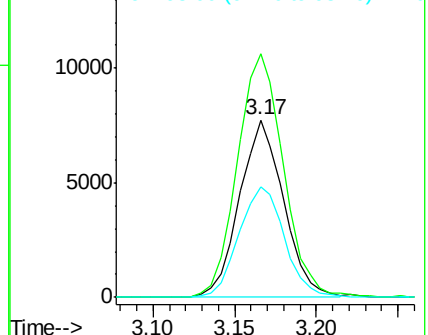
98 62.0 50.4 75.6



Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



#20

Diisopropyl ether

Concen: 5.252 ug/l

RT: 3.87 min Scan# 445

Delta R.T. 0.00 min

Lab File: VX007920.D

Acq: 08 Mar 2019 09:54

Tgt Ion: 45 Resp: 51201

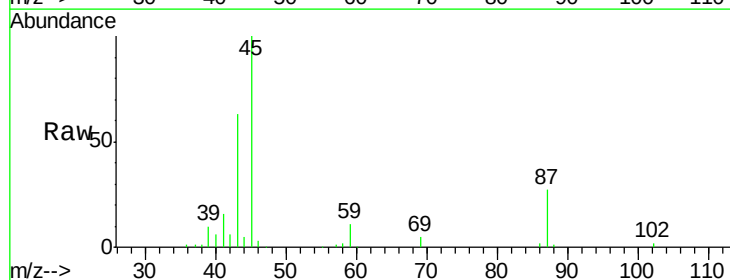
Ion Ratio Lower Upper

45 100

43 61.9 50.6 76.0

87 26.6 24.5 36.7

59 11.5 10.2 15.2

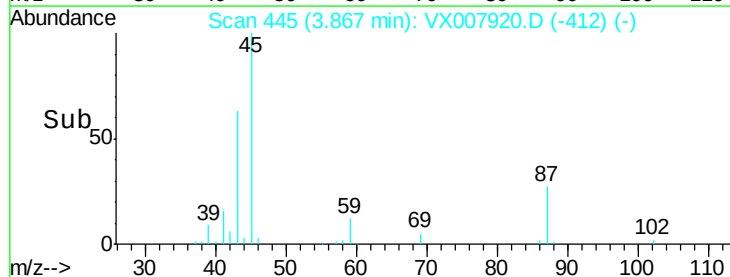
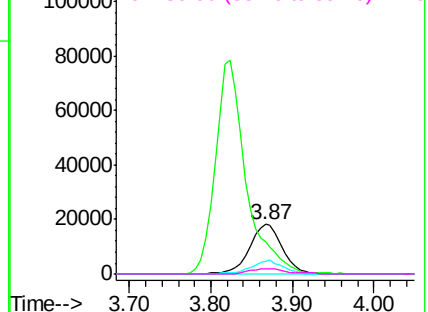


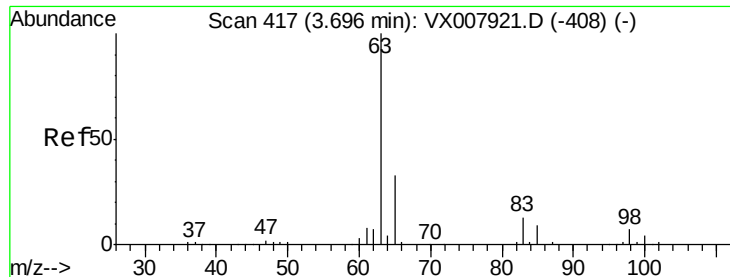
Abundance Ion 45.00 (44.70 to 45.70): VX0

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





#21

1,1-Dichloroethane

Concen: 5.336 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX007920.D

Acq: 08 Mar 2019 09:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

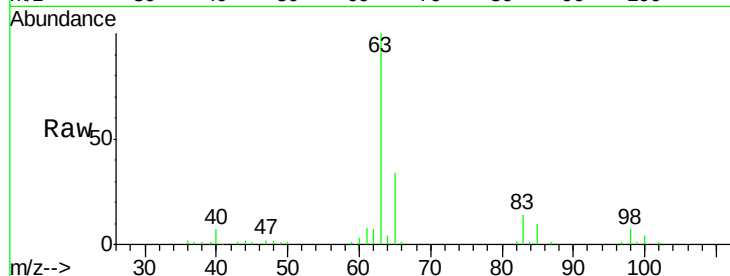
Tot Ion: 63 Resp: 28291

Ion Ratio Lower Upper

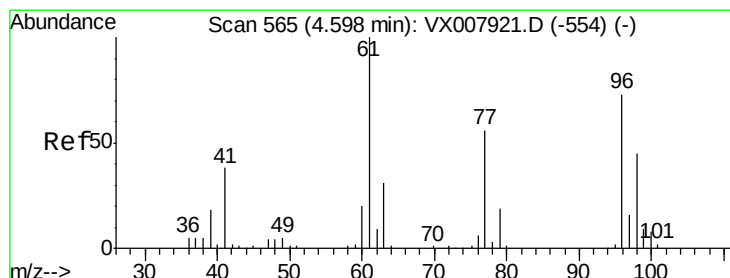
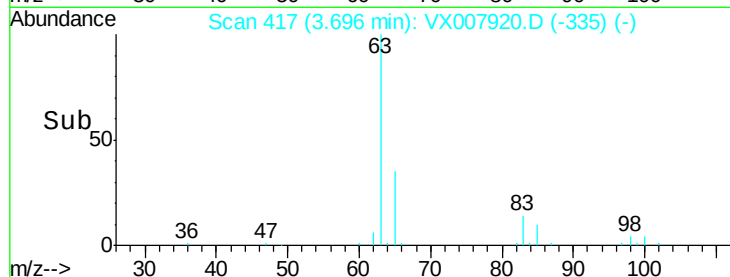
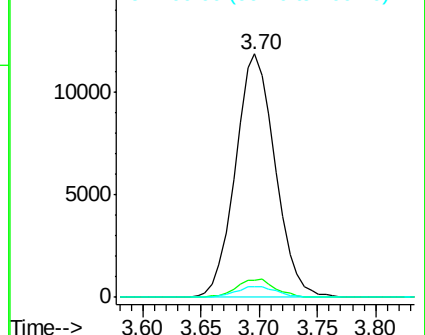
63 100

98 6.8 3.8 11.4

100 4.2 2.4 7.1



Abundance Ion 63.00 (62.70 to 63.70): VX0
Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0



#22

cis-1,2-Dichloroethene

Concen: 5.253 ug/l

RT: 4.60 min Scan# 565

Delta R.T. 0.00 min

Lab File: VX007920.D

Acq: 08 Mar 2019 09:54

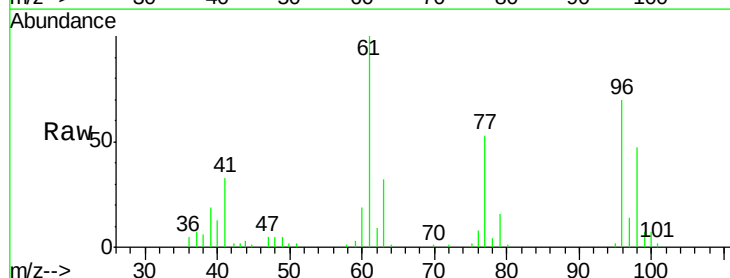
Tgt Ion: 96 Resp: 16665

Ion Ratio Lower Upper

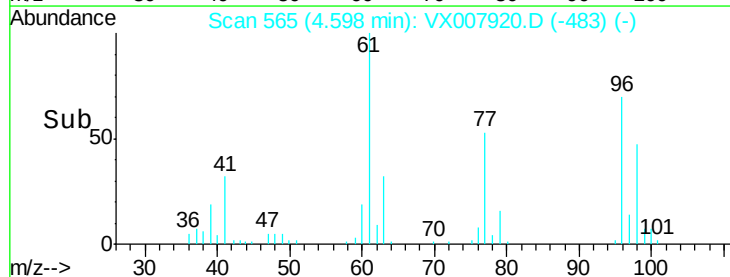
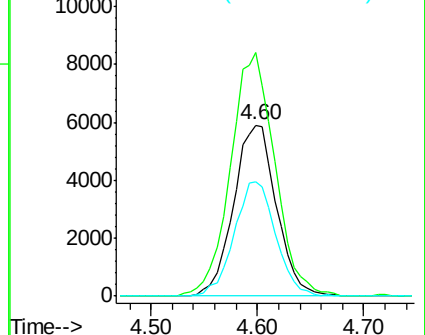
96 100

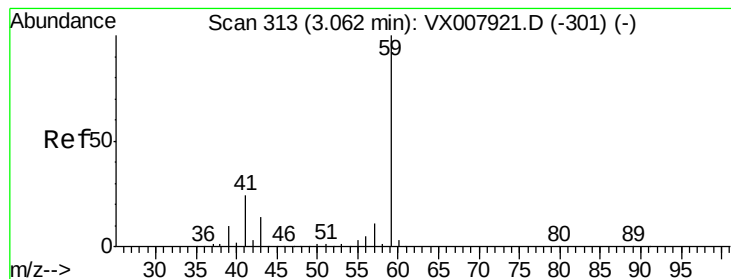
61 146.5 103.5 155.3

98 64.7 52.1 78.1



Abundance Ion 96.00 (95.70 to 96.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 98.00 (97.70 to 98.70): VX0





#23

tert-Butyl Alcohol

Concen: 25.921 ug/l

RT: 3.06 min Scan# 313

Delta R.T. 0.00 min

Lab File: VX007920.D

Acq: 08 Mar 2019 09:54

Instrument :

MSVOA_X

ClientSampleId :

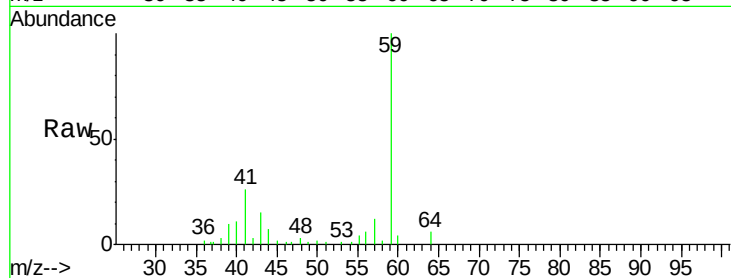
VSTDIC005

Tot Ion: 59 Resp: 18249

Ion Ratio Lower Upper

59 100

52 0.1 0.2 0.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

20000

15000

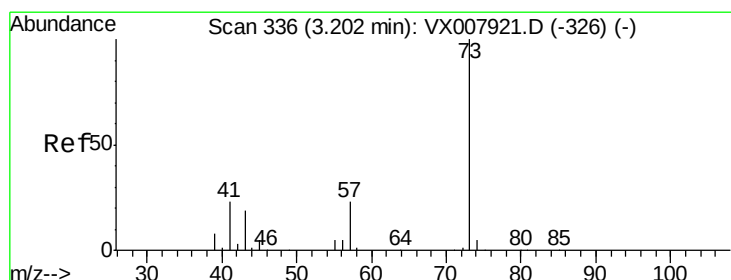
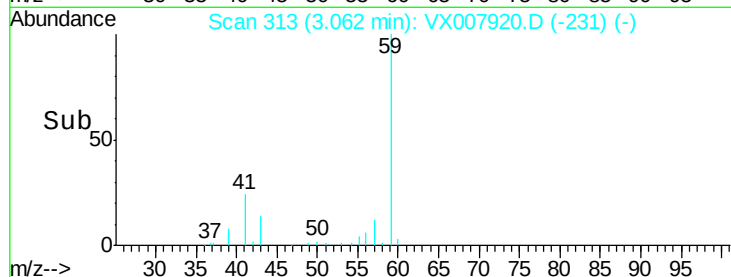
10000

5000

0

Time-->

2.95 3.00 3.05 3.10 3.15



#24

Methyl tert-Butyl Ether

Concen: 5.275 ug/l

RT: 3.20 min Scan# 336

Delta R.T. 0.00 min

Lab File: VX007920.D

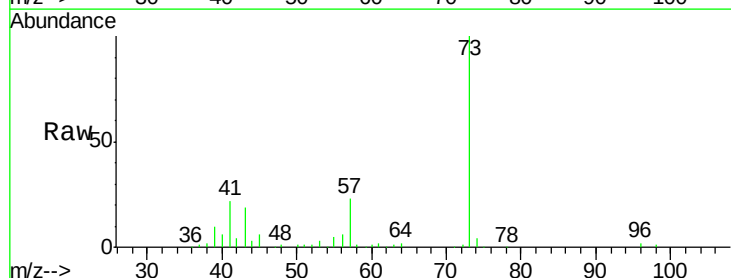
Acq: 08 Mar 2019 09:54

Tgt Ion: 73 Resp: 47141

Ion Ratio Lower Upper

73 100

43 19.5 17.1 25.7



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

20000

15000

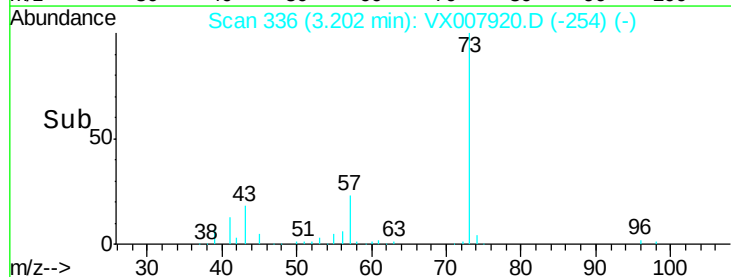
10000

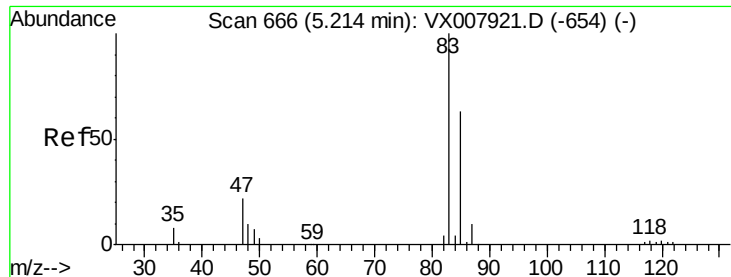
5000

0

Time-->

3.10 3.20 3.30

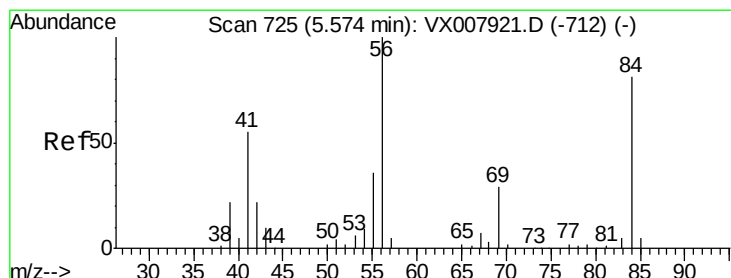
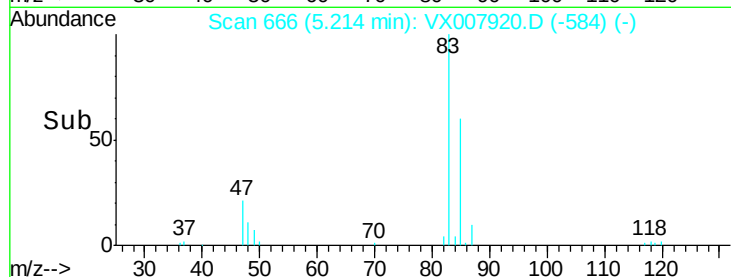
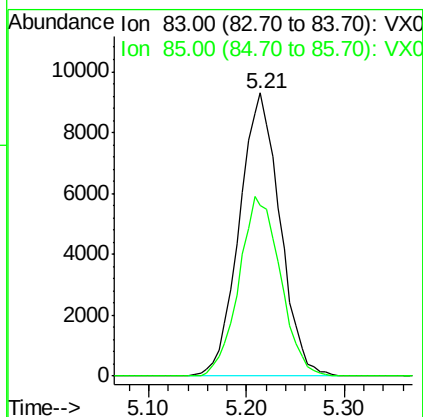
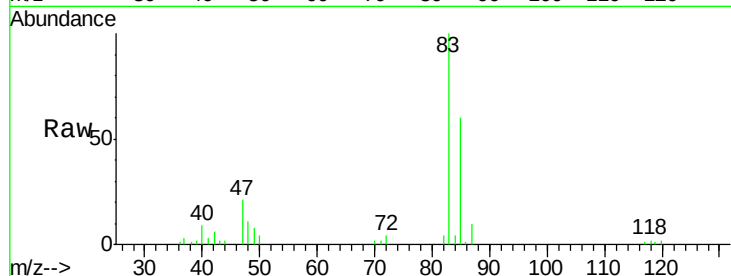




#25
Chloroform
Concen: 5.373 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX007920.D
Acq: 08 Mar 2019 09:54

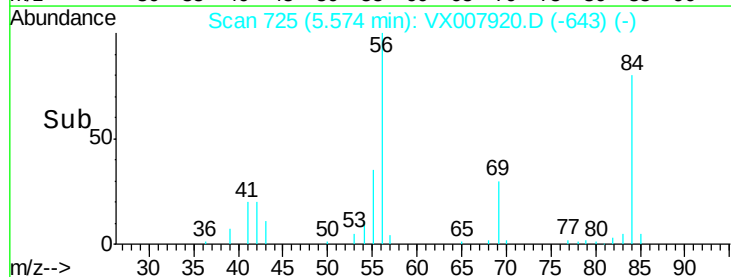
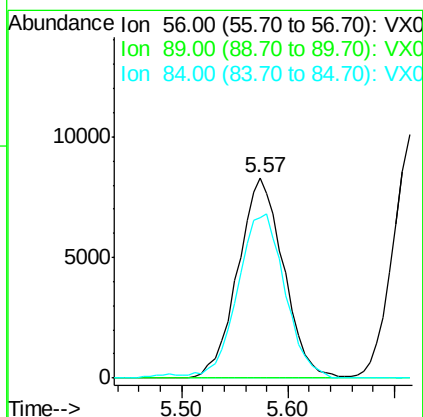
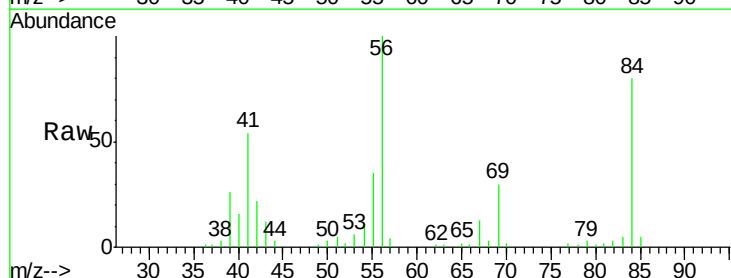
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

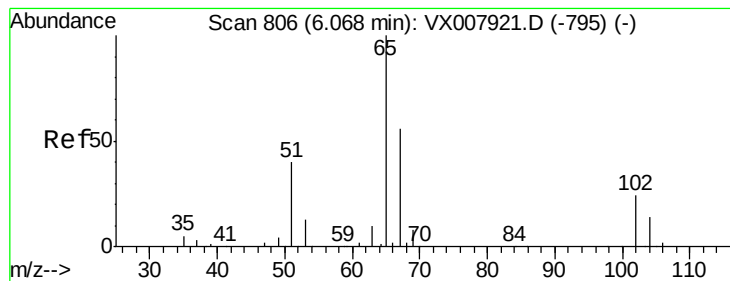
Tot Ion: 83 Resp: 26888
Ion Ratio Lower Upper
83 100
85 60.4 53.8 80.6



#26
Cyclohexane
Concen: 5.080 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX007920.D
Acq: 08 Mar 2019 09:54

Tgt Ion: 56 Resp: 24888
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 84.8 73.9 110.9





#27

1,2-Dichloroethane-d4

Concen: 30.463 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX007920.D

Acq: 08 Mar 2019 09:54

Instrument :

MSVOA_X

ClientSampleId :

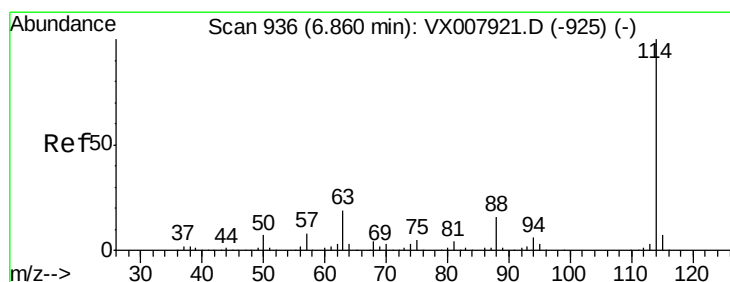
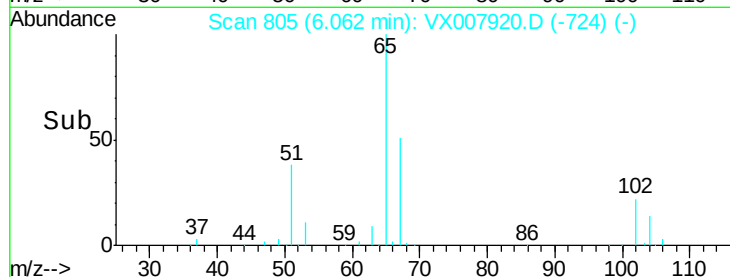
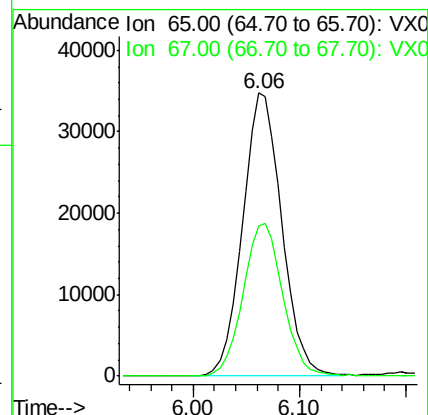
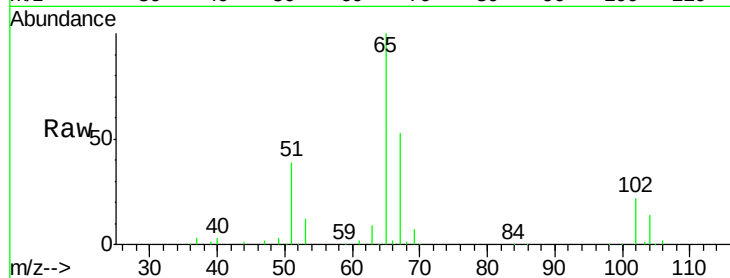
VSTDIC005

Tot Ion: 65 Resp: 89695

Ion Ratio Lower Upper

65 100

67 54.5 42.9 64.3



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX007920.D

Acq: 08 Mar 2019 09:54

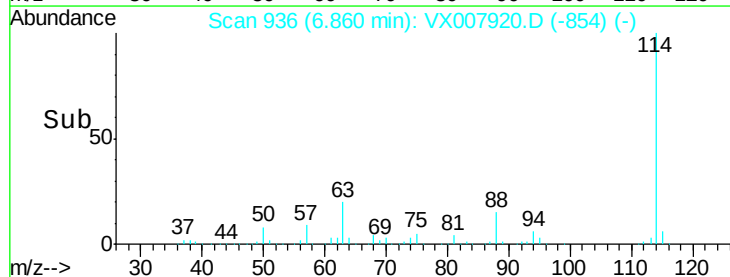
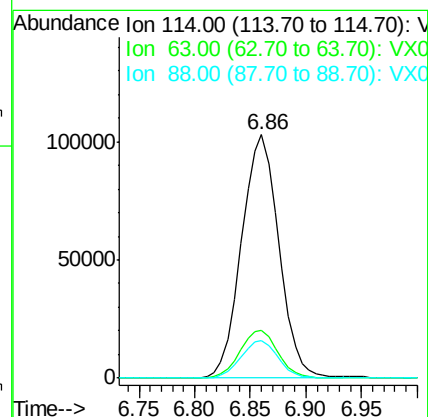
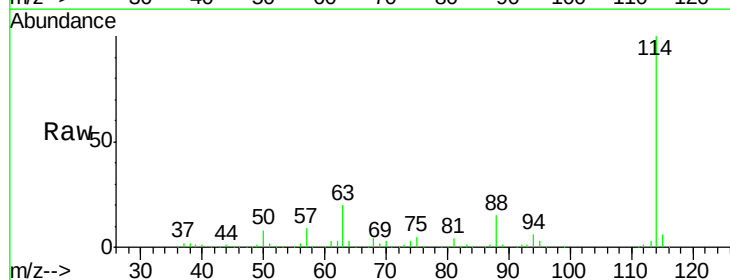
Tgt Ion: 114 Resp: 240202

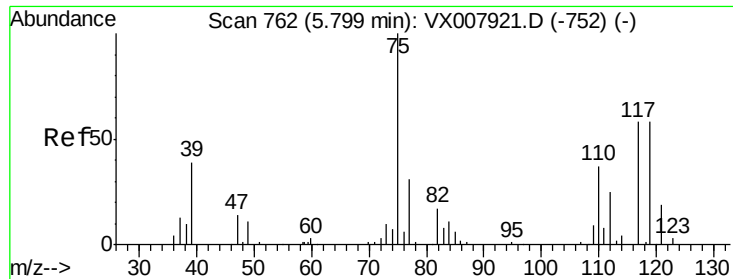
Ion Ratio Lower Upper

114 100

63 19.8 14.2 21.4

88 15.4 11.9 17.9

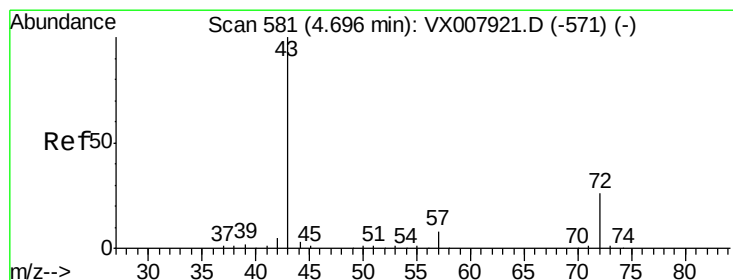
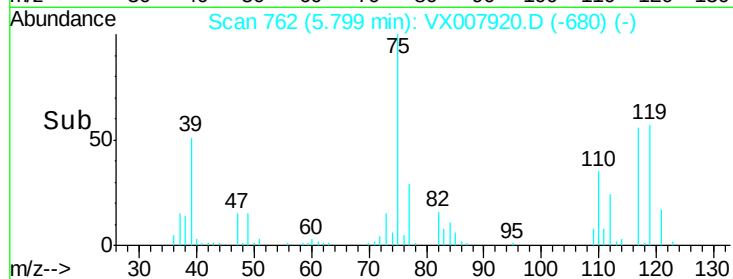
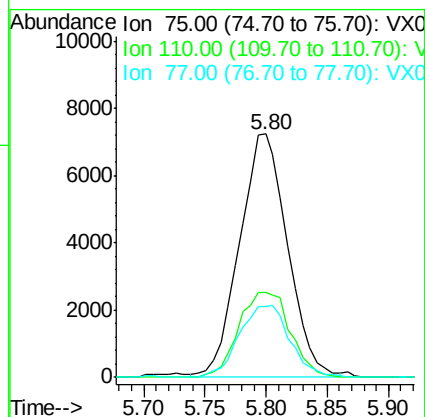
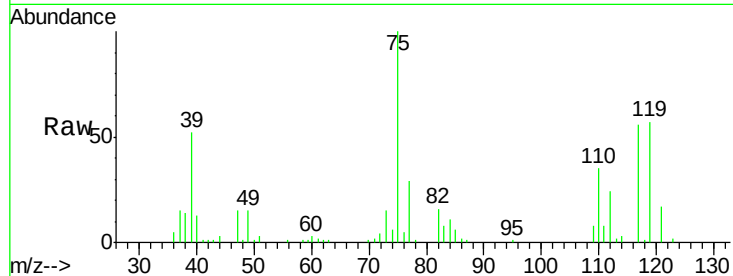




#29
 1,1-Dichloropropene
 Concen: 5.195 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX007920.D
 Acq: 08 Mar 2019 09:54

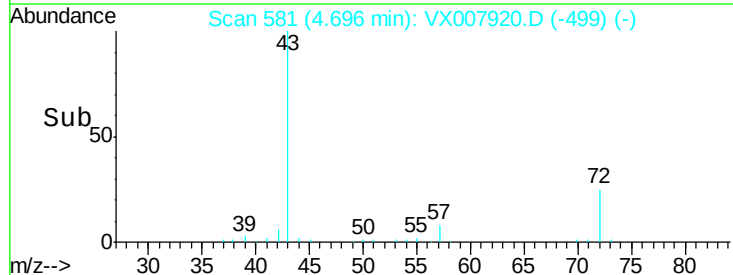
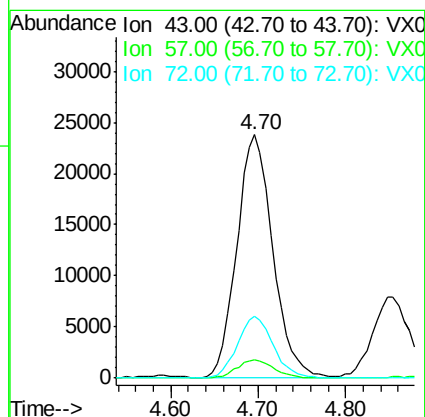
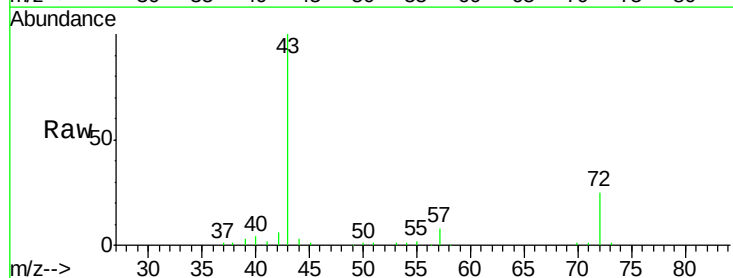
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

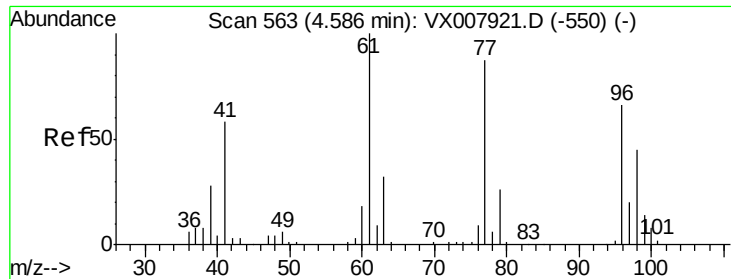
Tot Ion: 75 Resp: 19784
 Ion Ratio Lower Upper
 75 100
 110 37.4 0.0 80.8
 77 31.2 0.0 62.4



#30
 2-Butanone
 Concen: 26.393 ug/l
 RT: 4.70 min Scan# 581
 Delta R.T. 0.00 min
 Lab File: VX007920.D
 Acq: 08 Mar 2019 09:54

Tgt Ion: 43 Resp: 67797
 Ion Ratio Lower Upper
 43 100
 57 7.8 7.0 10.6
 72 25.2 21.5 32.3

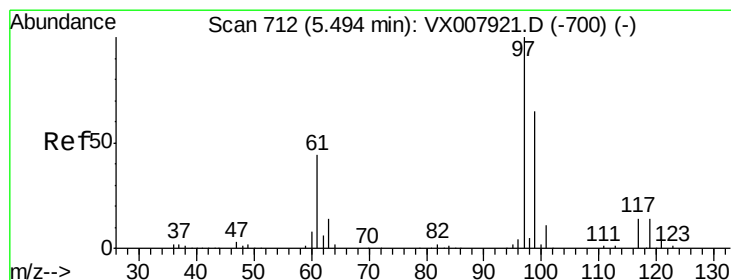
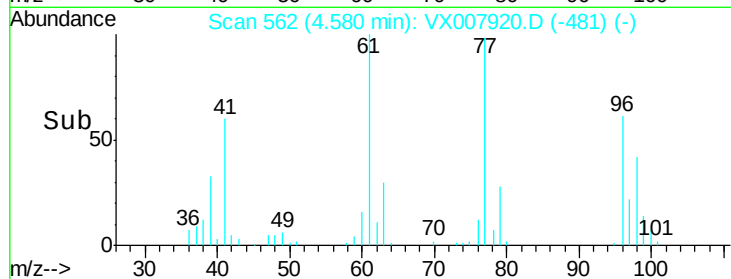
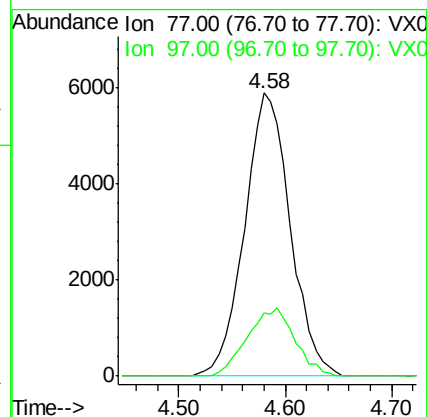
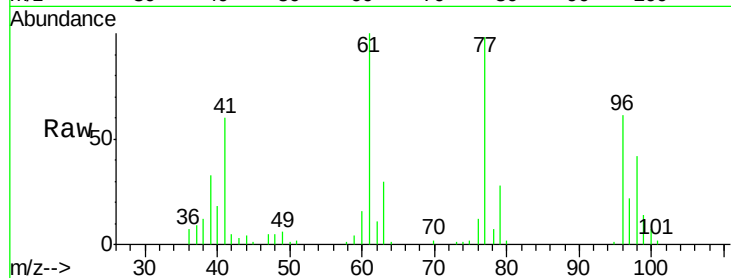




#31
 2,2-Dichloropropane
 Concen: 5.028 ug/l
 RT: 4.58 min Scan# 562
 Delta R.T. -0.01 min
 Lab File: VX007920.D
 Acq: 08 Mar 2019 09:54

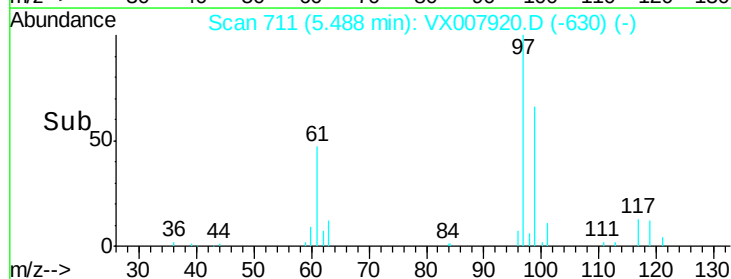
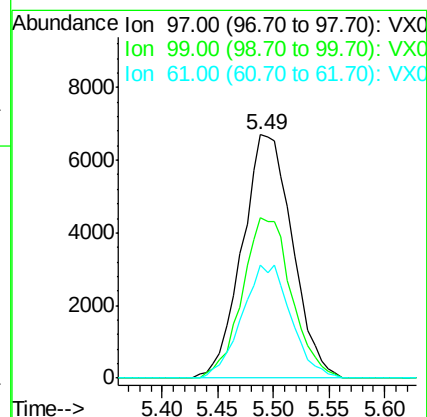
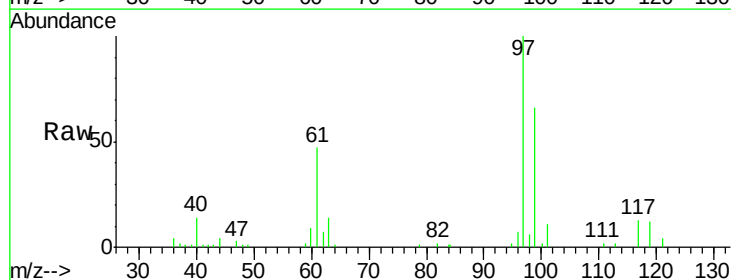
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

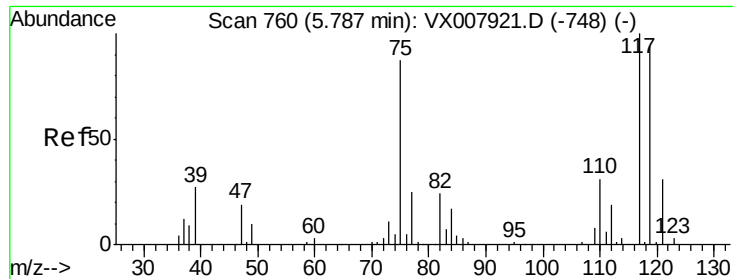
Tot Ion: 77 Resp: 17686
 Ion Ratio Lower Upper
 77 100
 97 25.1 20.6 31.0



#32
 1,1,1-Trichloroethane
 Concen: 5.095 ug/l
 RT: 5.49 min Scan# 711
 Delta R.T. -0.01 min
 Lab File: VX007920.D
 Acq: 08 Mar 2019 09:54

Tgt Ion: 97 Resp: 20985
 Ion Ratio Lower Upper
 97 100
 99 64.6 51.7 77.5
 61 45.5 32.8 49.2

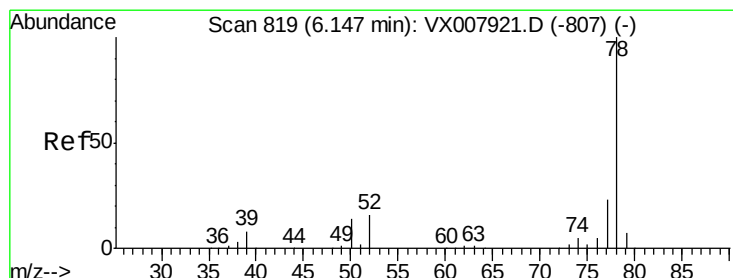
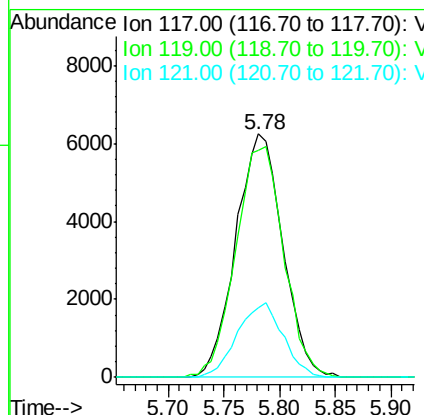
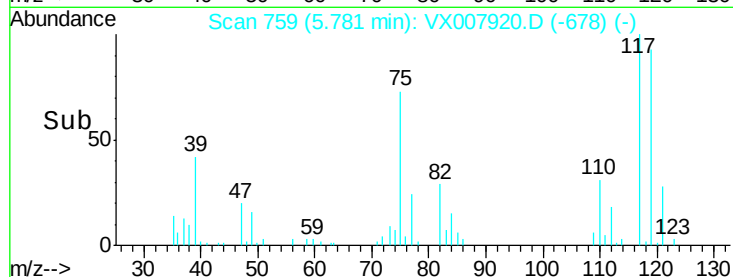
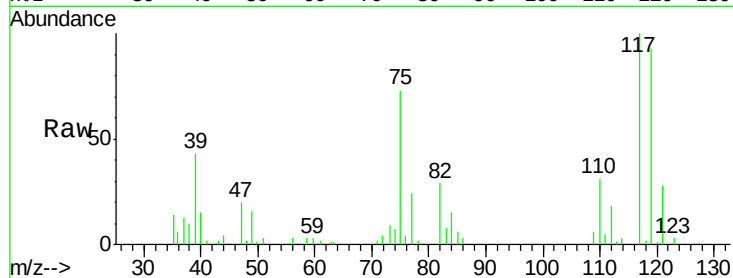




#33
Carbon Tetrachloride
Concen: 5.011 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX007920.D
Acq: 08 Mar 2019 09:54

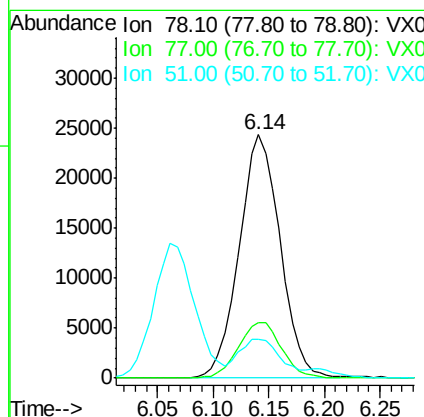
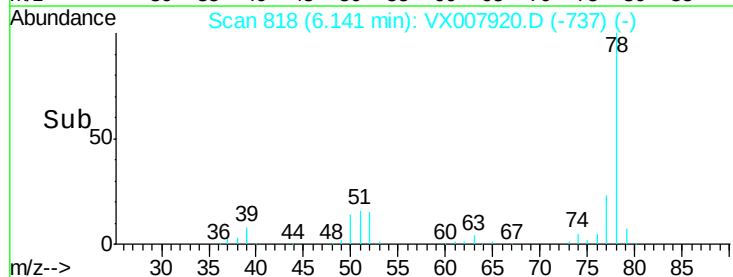
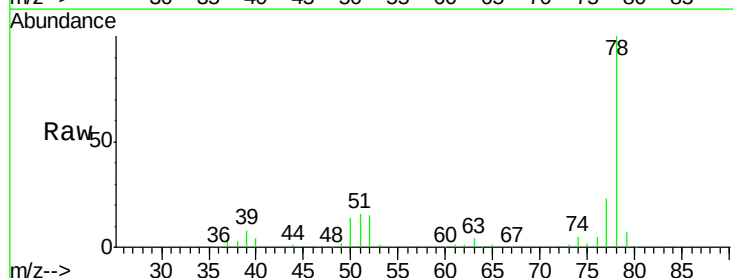
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

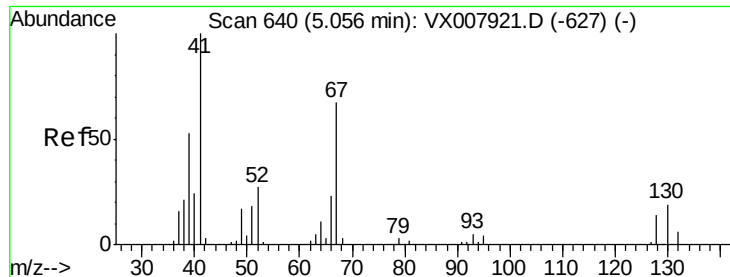
Tot Ion:117 Resp: 18304
Ion Ratio Lower Upper
117 100
119 93.1 78.1 117.1
121 28.4 27.0 40.6



#34
Benzene
Concen: 5.344 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX007920.D
Acq: 08 Mar 2019 09:54

Tgt Ion: 78 Resp: 62378
Ion Ratio Lower Upper
78 100
77 22.7 19.1 28.7
51 14.6 10.8 16.2

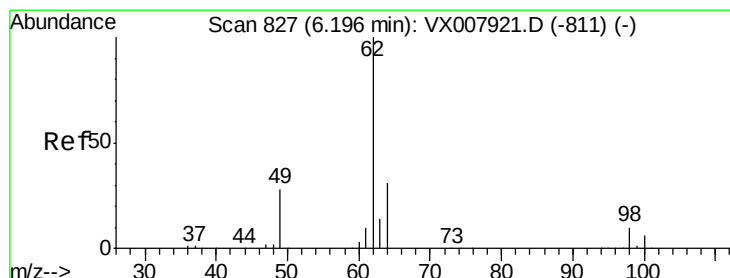
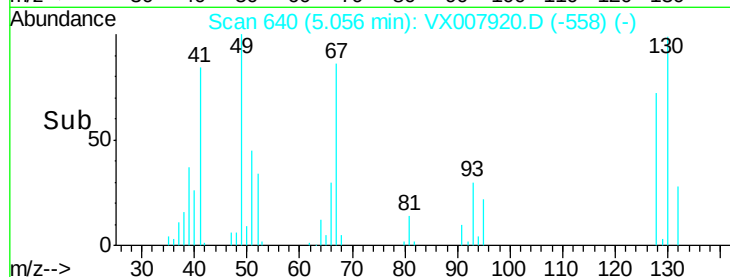
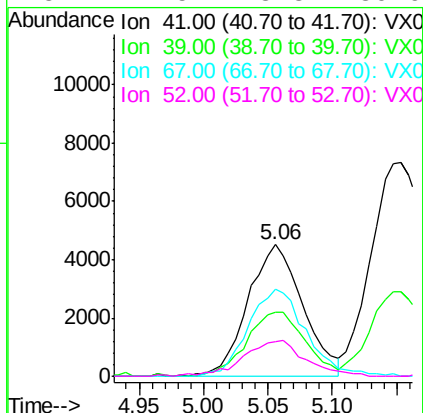
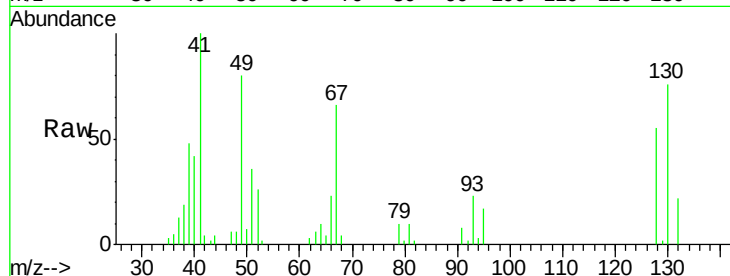




#35
Methacrylonitrile
Concen: 5.349 ug/l
RT: 5.06 min Scan# 640
Delta R.T. 0.00 min
Lab File: VX007920.D
Acq: 08 Mar 2019 09:54

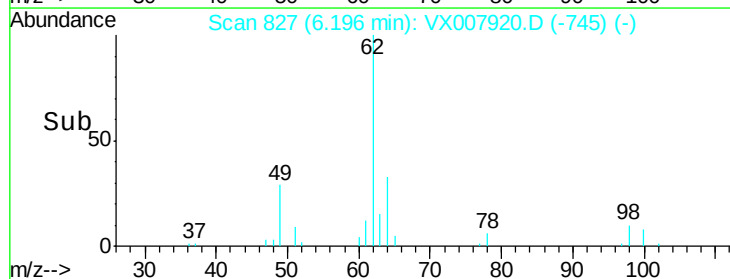
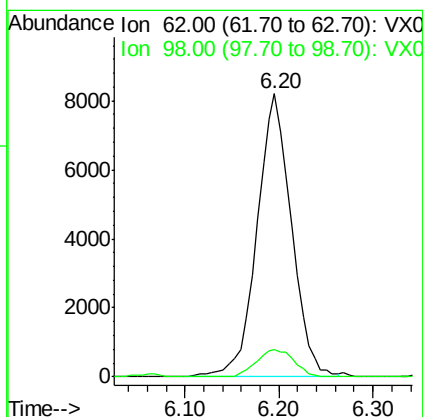
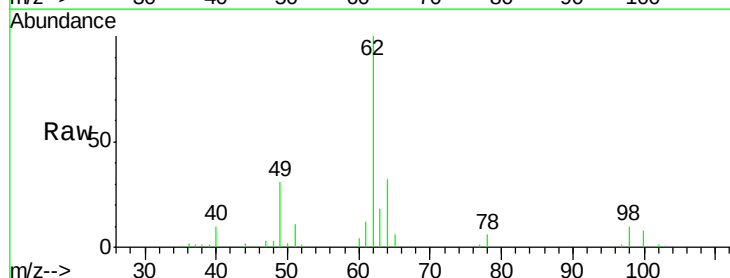
Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

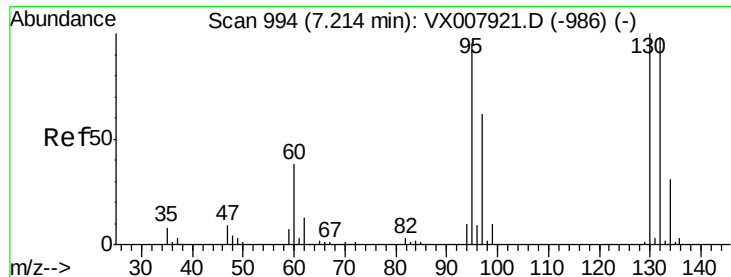
Tot Ion:	41.00	Resp:	13389
Ion	Ratio	Lower	Upper
41	100		
39	48.2	27.4	82.0
67	65.9	37.9	113.6
52	24.5	13.3	39.9



#36
1,2-Dichloroethane
Concen: 5.546 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX007920.D
Acq: 08 Mar 2019 09:54

Tgt Ion:	62.00	Resp:	21059
Ion	Ratio	Lower	Upper
62	100		
98	10.4	7.8	11.8

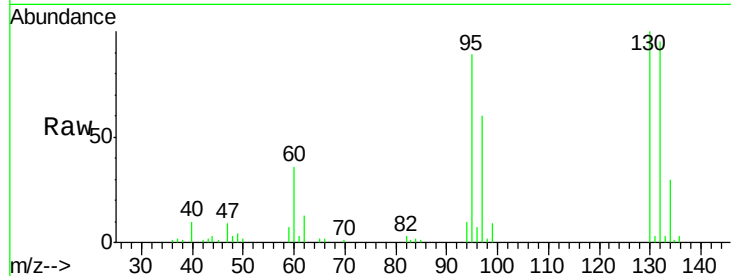




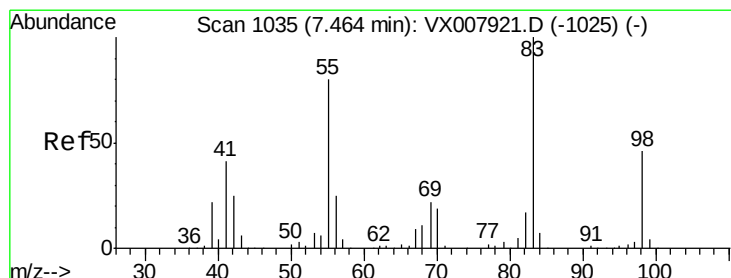
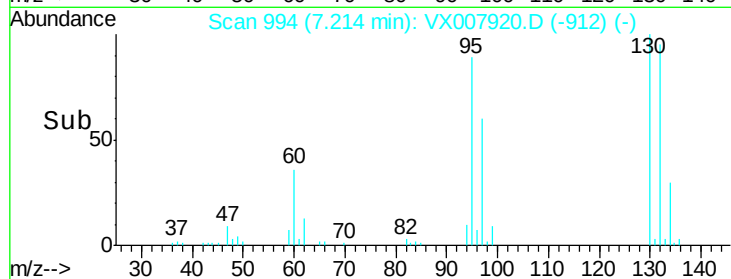
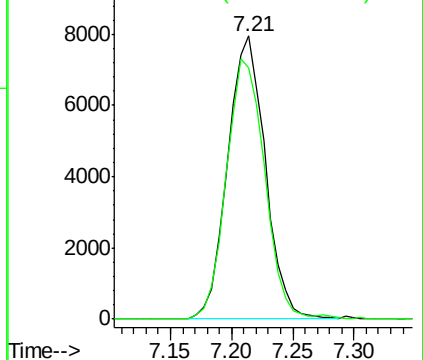
#37
 Trichloroethene
 Concen: 5.365 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX007920.D
 Acq: 08 Mar 2019 09:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion:130 Resp: 16965
 Ion Ratio Lower Upper
 130 100
 95 89.0 71.3 106.9

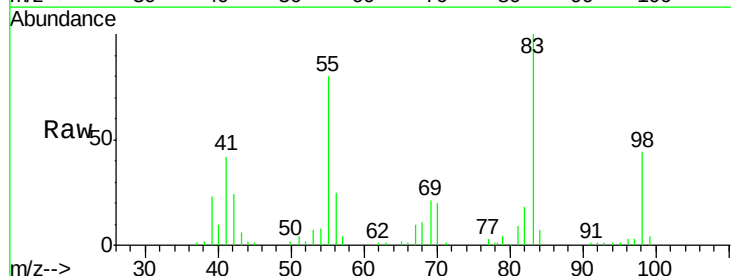


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VX0

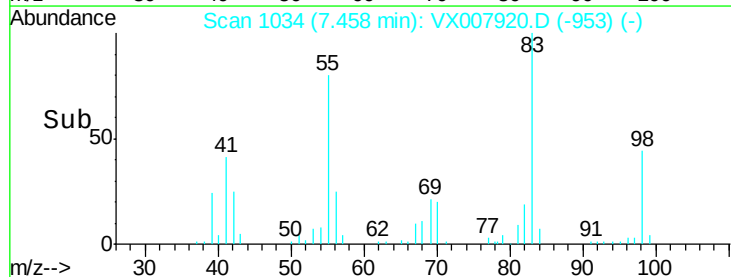
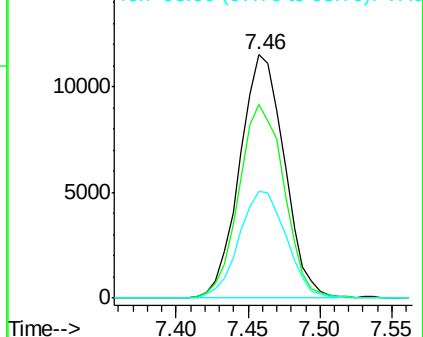


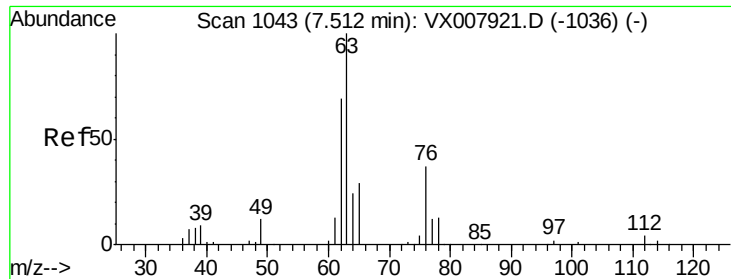
#38
 Methylcyclohexane
 Concen: 5.121 ug/l
 RT: 7.46 min Scan# 1034
 Delta R.T. -0.01 min
 Lab File: VX007920.D
 Acq: 08 Mar 2019 09:54

Tgt Ion: 83 Resp: 24797
 Ion Ratio Lower Upper
 83 100
 55 80.5 36.0 108.0
 98 46.7 23.8 71.4



Abundance Ion 83.00 (82.70 to 83.70): VX0
 Ion 55.00 (54.70 to 55.70): VX0
 Ion 98.00 (97.70 to 98.70): VX0

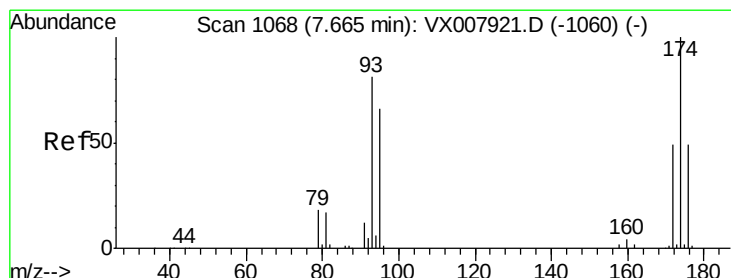
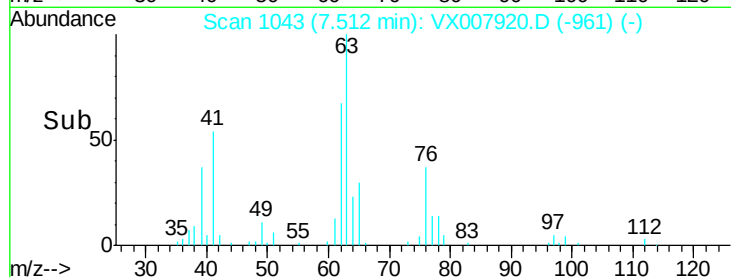
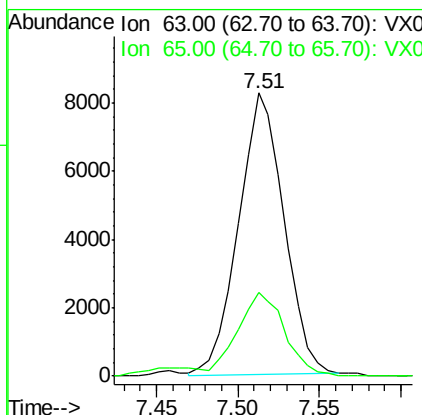
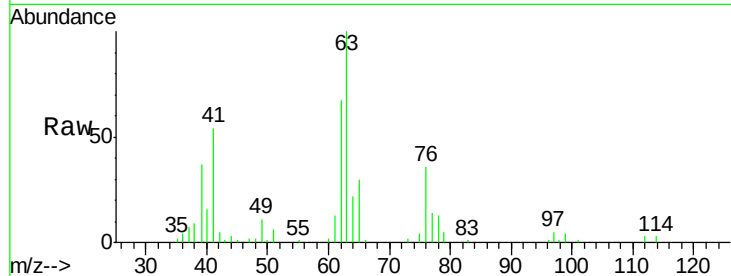




#39
 1,2-Dichloropropane
 Concen: 5.253 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX007920.D
 Acq: 08 Mar 2019 09:54

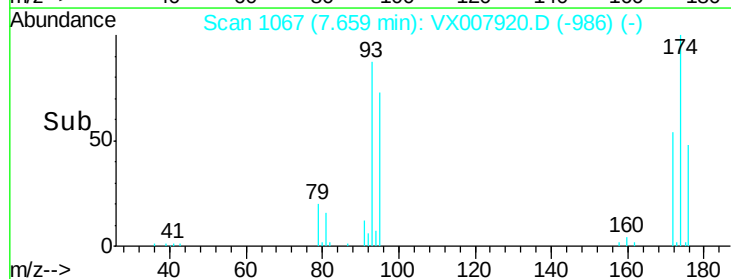
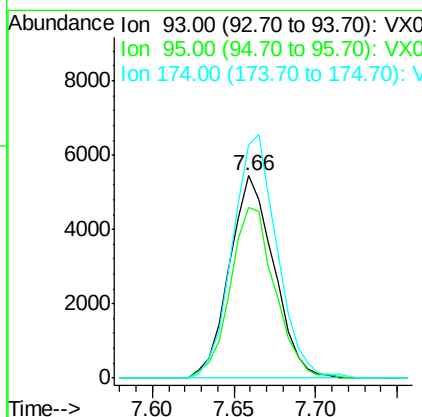
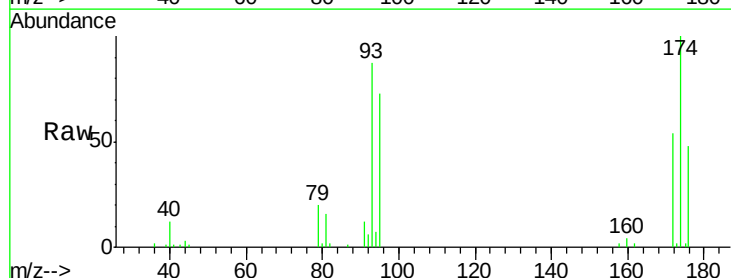
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

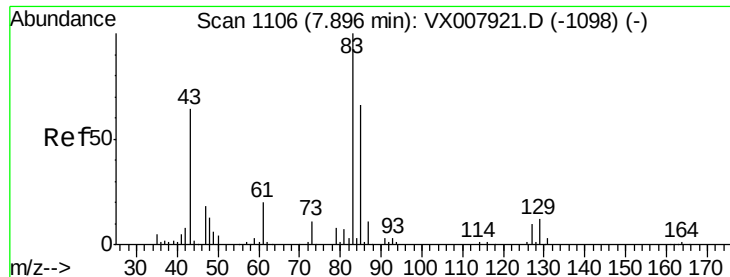
Tot Ion: 63 Resp: 15991
 Ion Ratio Lower Upper
 63 100
 65 30.0 24.6 37.0



#40
 Dibromomethane
 Concen: 5.349 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.01 min
 Lab File: VX007920.D
 Acq: 08 Mar 2019 09:54

Tgt Ion: 93 Resp: 10327
 Ion Ratio Lower Upper
 93 100
 95 84.5 0.0 158.8
 174 120.3 0.0 224.2





#41

Bromodichloromethane

Concen: 5.038 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX007920.D

Acq: 08 Mar 2019 09:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

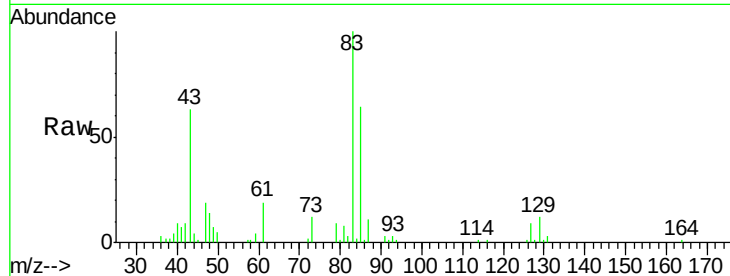
Tot Ion: 83 Resp: 18388

Ion Ratio Lower Upper

83 100

85 63.2 51.1 76.7

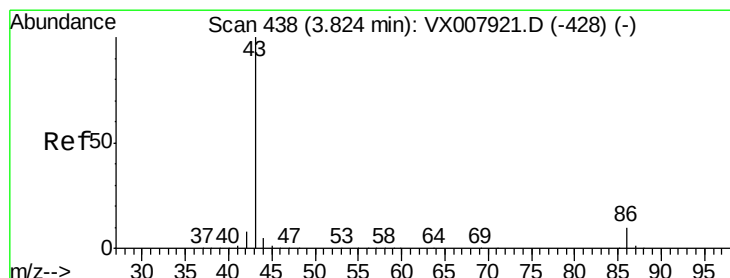
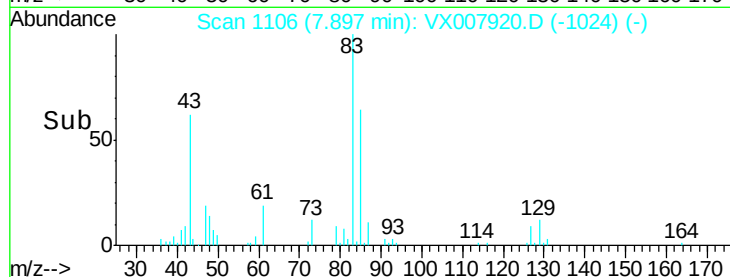
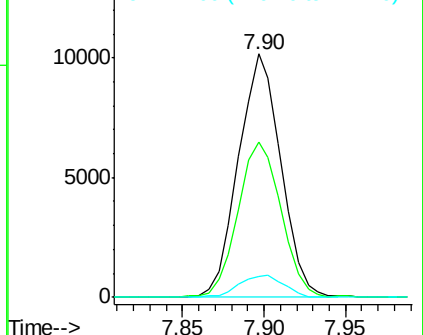
127 8.7 7.2 10.8



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0

Ion 127.00 (126.70 to 127.70): V



#42

Vinyl Acetate

Concen: 24.686 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX007920.D

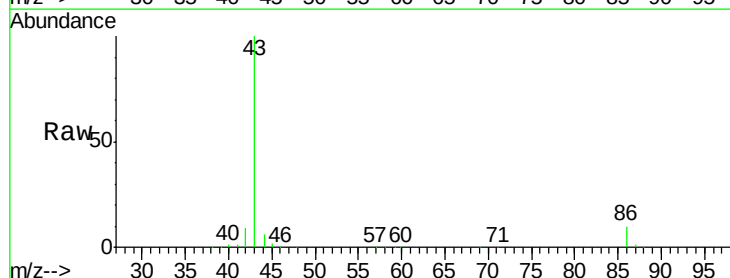
Acq: 08 Mar 2019 09:54

Tgt Ion: 43 Resp: 205270

Ion Ratio Lower Upper

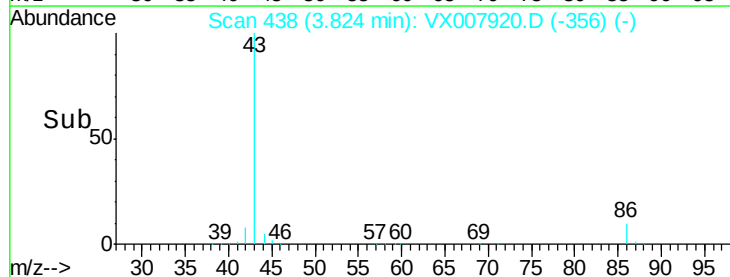
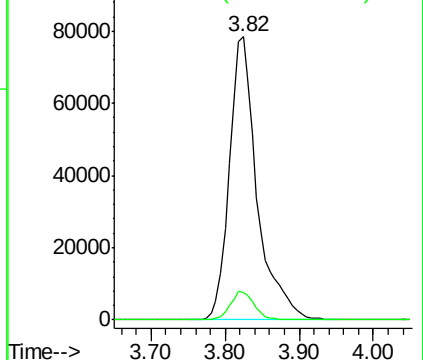
43 100

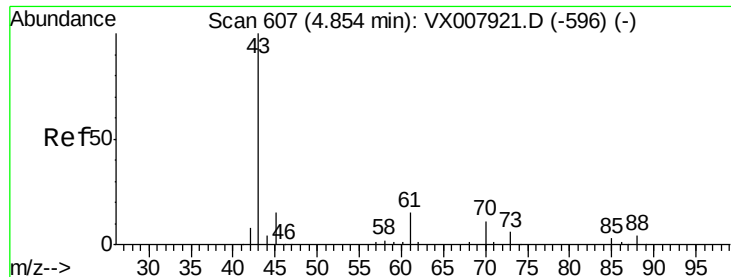
86 8.8 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0





#43

Ethyl Acetate

Concen: 1.062 ug/l

RT: 5.15 min Scan# 655

Delta R.T. 0.29 min

Lab File: VX007920.D

Acq: 08 Mar 2019 09:54

Instrument :

MSVOA_X

ClientSampleId :

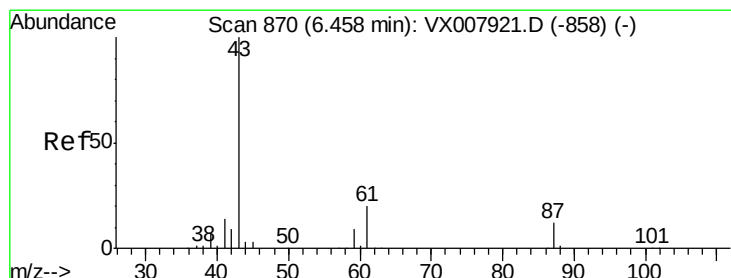
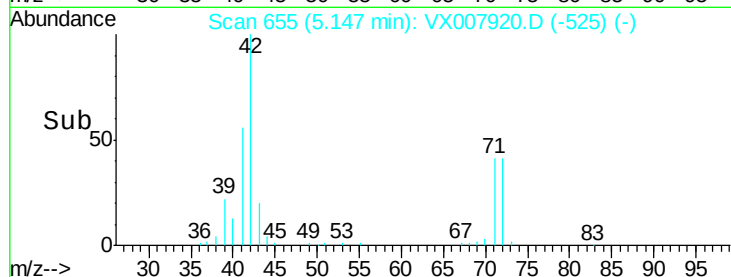
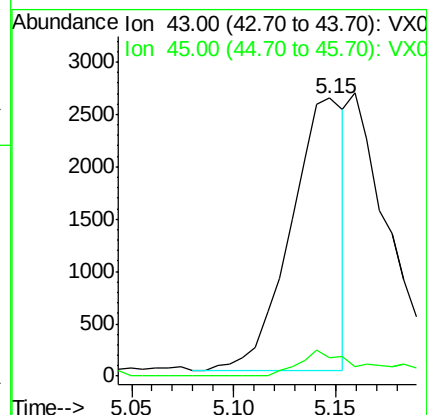
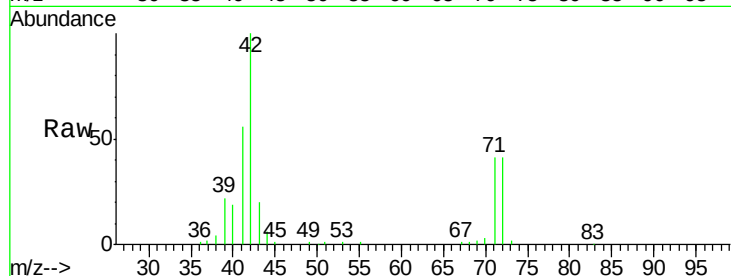
VSTDIC005

Tot Ion: 43 Resp: 4751

Ion Ratio Lower Upper

43 100

45 7.7 6.9 10.3



#44

Isopropyl Acetate

Concen: 4.979 ug/l

RT: 6.46 min Scan# 870

Delta R.T. 0.00 min

Lab File: VX007920.D

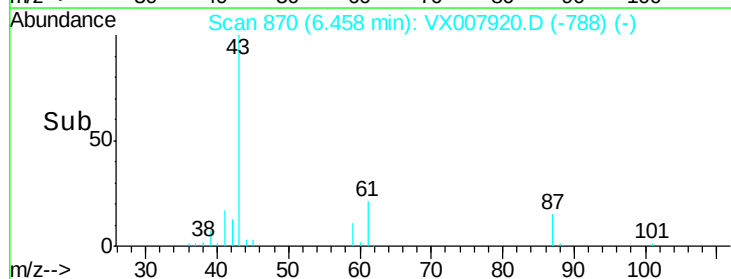
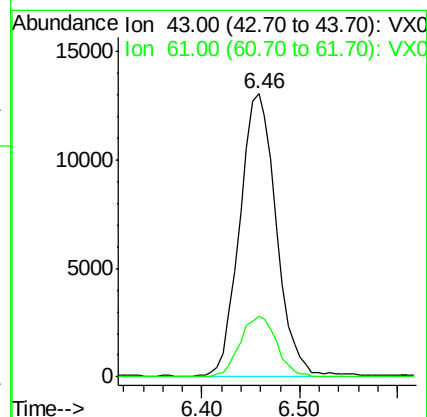
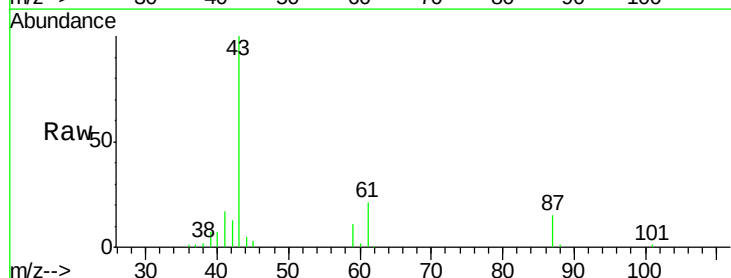
Acq: 08 Mar 2019 09:54

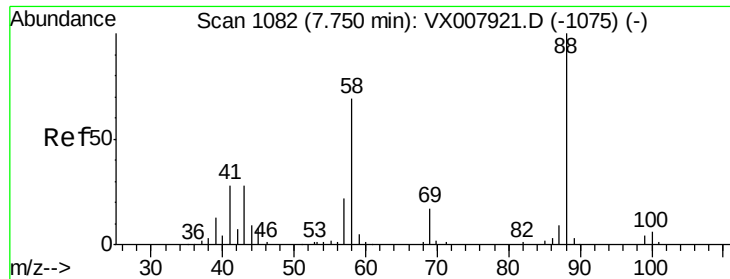
Tgt Ion: 43 Resp: 33991

Ion Ratio Lower Upper

43 100

61 21.2 16.1 24.1

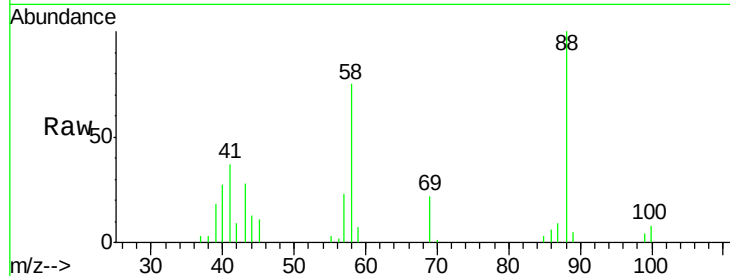




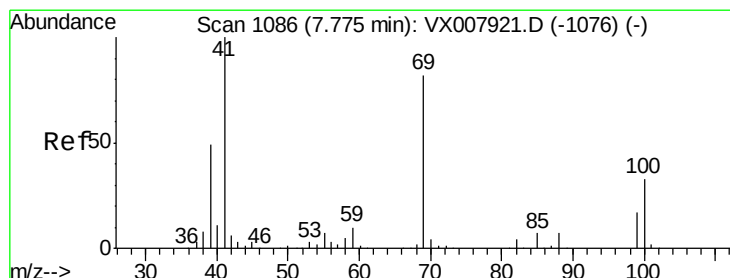
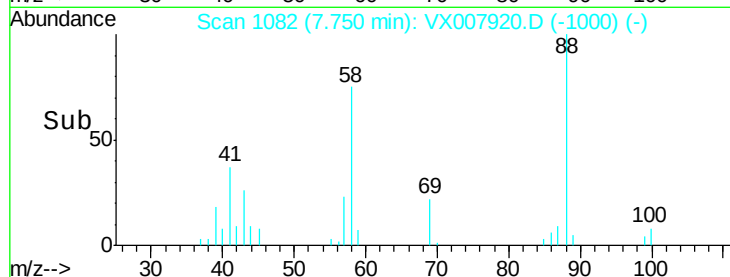
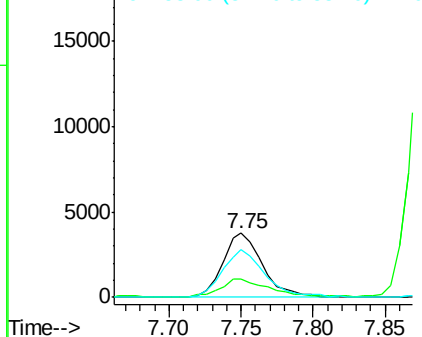
#45
1,4-Dioxane
Concen: 101.180 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX007920.D
Acq: 08 Mar 2019 09:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 88 Resp: 7227
Ion Ratio Lower Upper
88 100
43 35.8 23.6 35.4#
58 77.7 51.6 77.4#

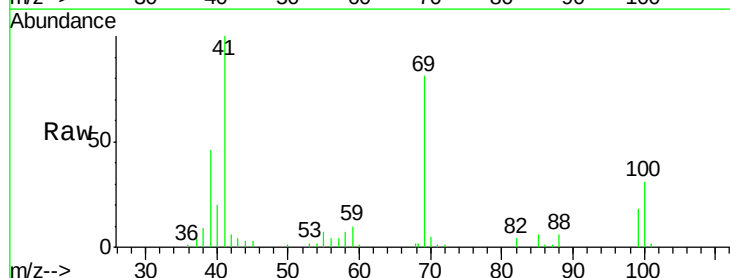


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

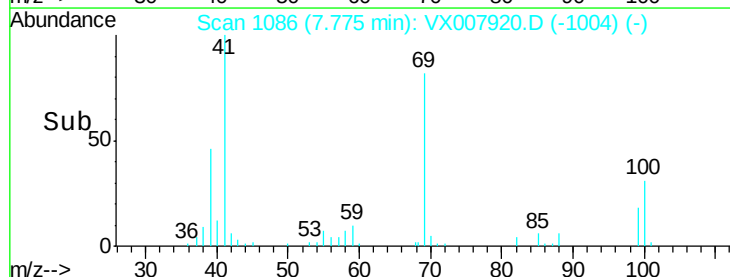
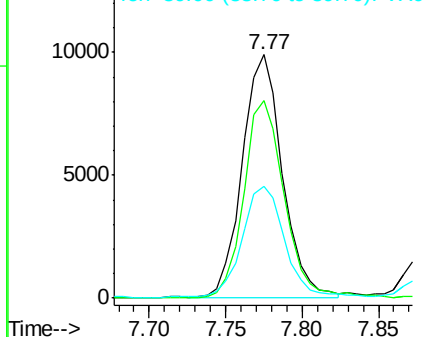


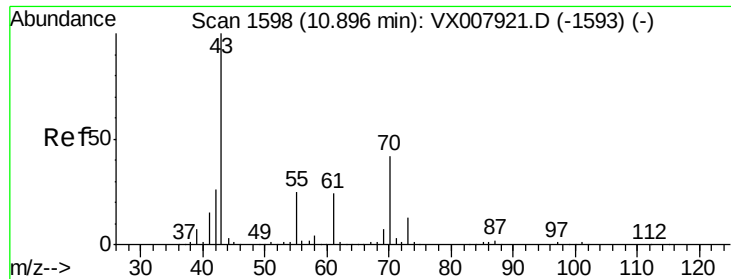
#46
Methyl methacrylate
Concen: 5.050 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. 0.00 min
Lab File: VX007920.D
Acq: 08 Mar 2019 09:54

Tgt Ion: 41 Resp: 18132
Ion Ratio Lower Upper
41 100
69 81.3 44.2 132.6
39 45.0 29.9 89.8



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0





#47

n-amvl Acetate

Concen: 4.951 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX007920.D

Acq: 08 Mar 2019 09:54

Instrument :

MSVOA_X

ClientSampled :

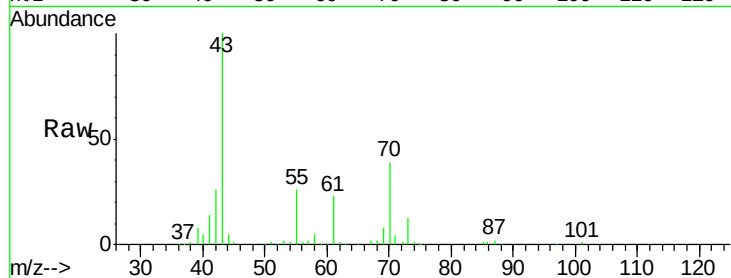
VSTDIC005

Tot Ion: 43 Resp: 29121

Ion Ratio Lower Upper

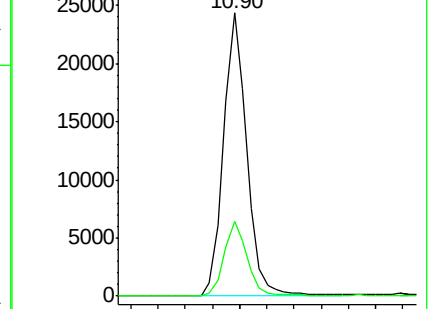
43 100

55 26.5 20.8 31.2

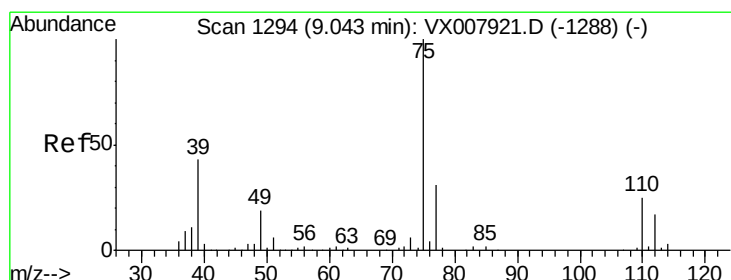
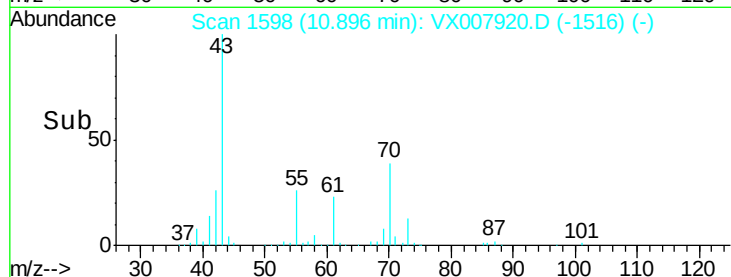


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#48

t-1,3-Dichloropropene

Concen: 4.368 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX007920.D

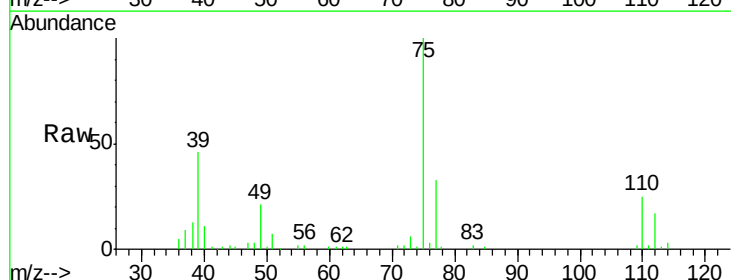
Acq: 08 Mar 2019 09:54

Tgt Ion: 75 Resp: 17265

Ion Ratio Lower Upper

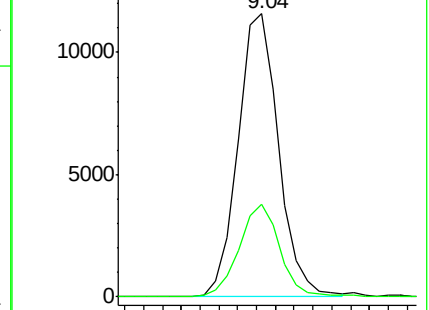
75 100

77 32.8 24.5 36.7

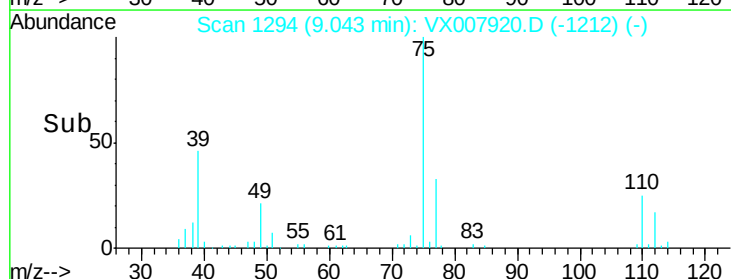


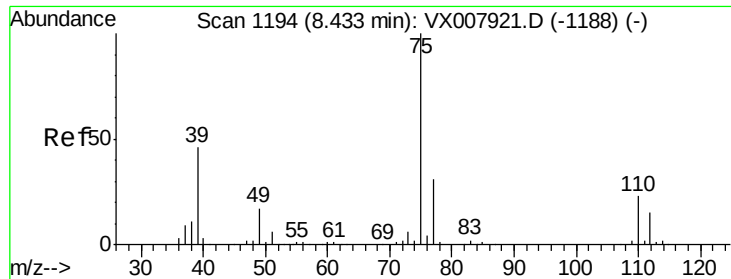
Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



Time-->



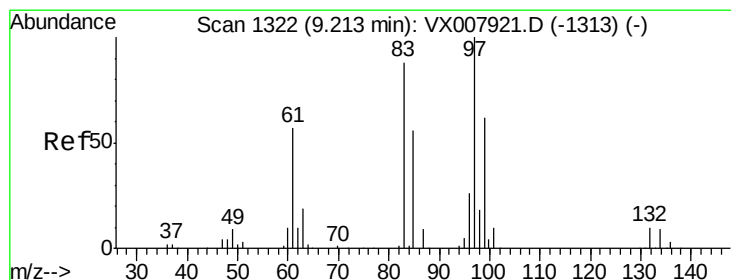
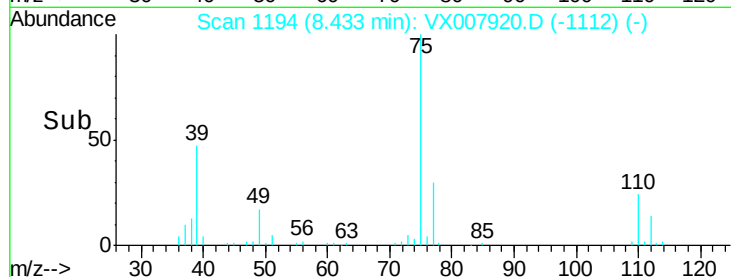
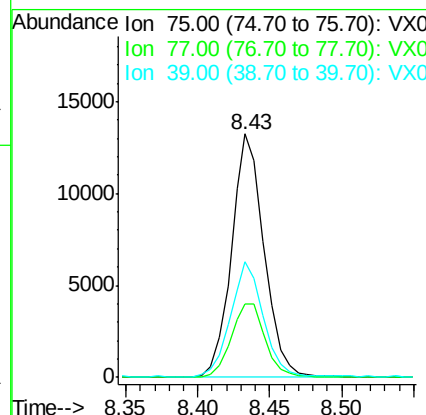
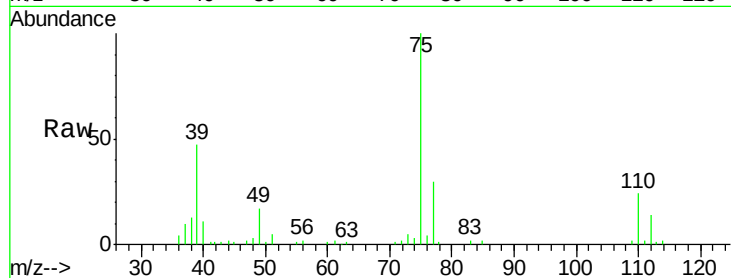


#49

cis-1,3-Dichloropropene
 Concen: 4.681 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX007920.D
 Acq: 08 Mar 2019 09:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

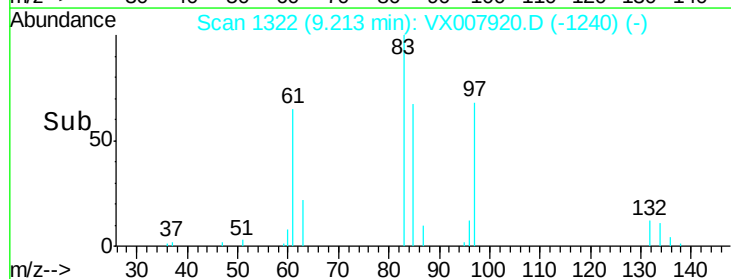
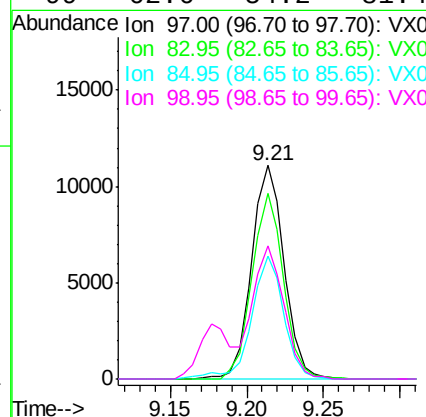
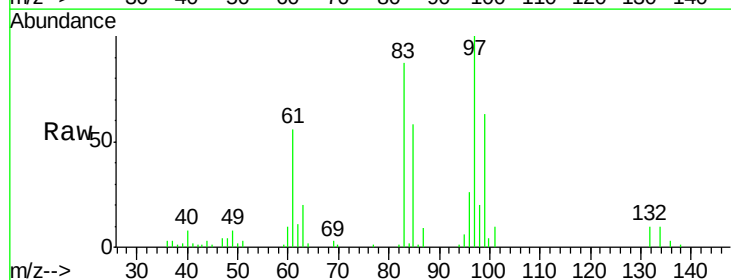
Tot Ion	Ratio	Lower	Upper
75	100		
77	30.0	25.0	37.4
39	47.4	38.5	57.7

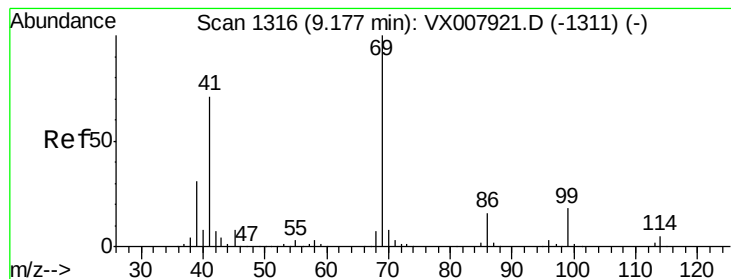


#50

1,1,2-Trichloroethane
 Concen: 5.562 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX007920.D
 Acq: 08 Mar 2019 09:54

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.8	72.0	108.0
85	57.8	45.0	67.6
99	62.6	54.2	81.4





#51

Ethyl methacrylate

Concen: 4.959 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX007920.D

Acq: 08 Mar 2019 09:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

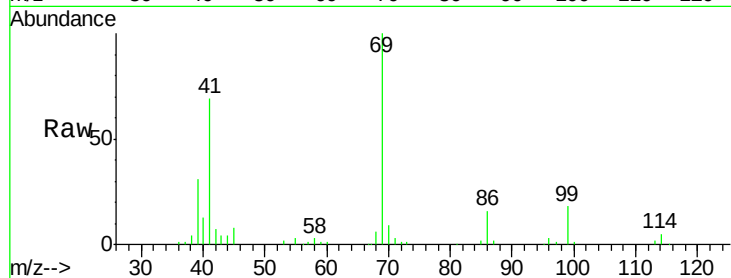
Tot Ion: 69 Resp: 22135

Ion Ratio Lower Upper

69 100

41 68.4 32.1 96.5

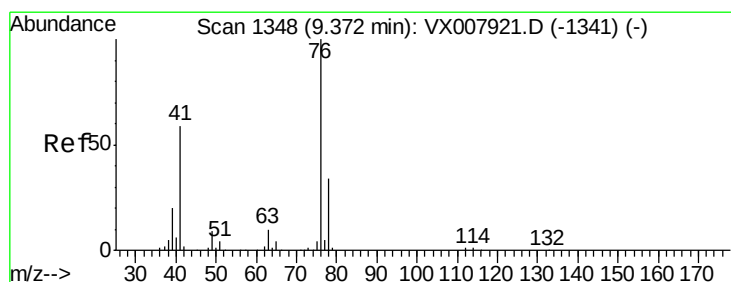
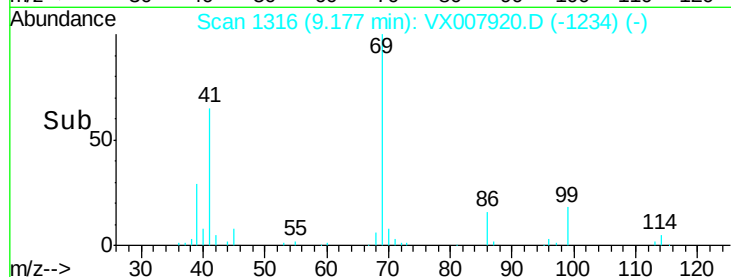
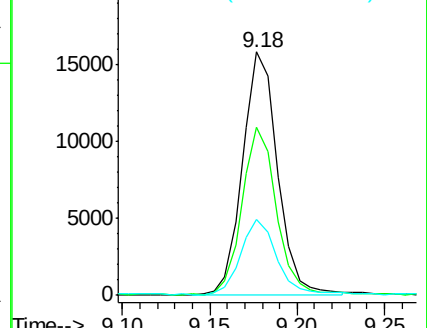
39 31.0 18.8 56.3



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#52

1,3-Dichloropropane

Concen: 5.365 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX007920.D

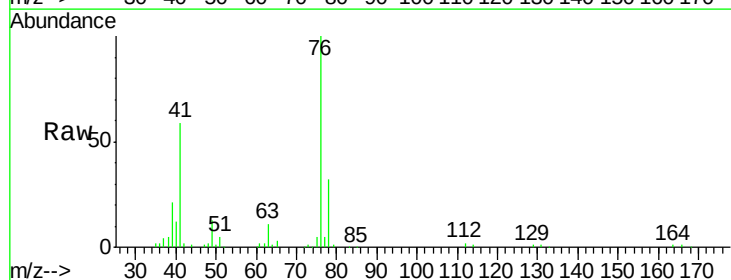
Acq: 08 Mar 2019 09:54

Tgt Ion: 76 Resp: 26088

Ion Ratio Lower Upper

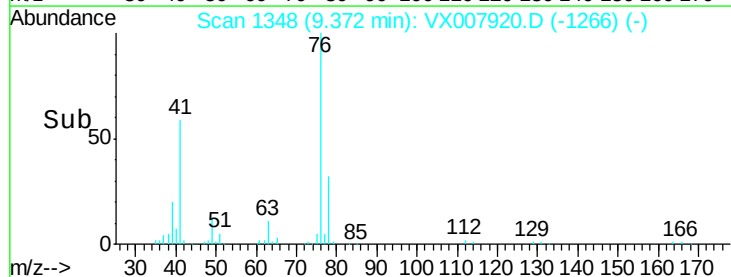
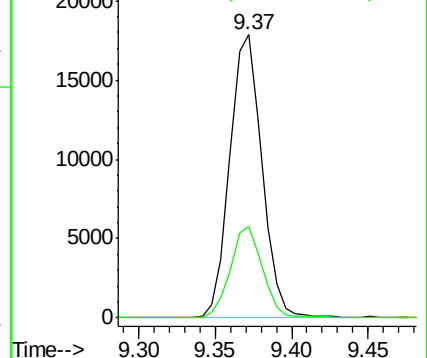
76 100

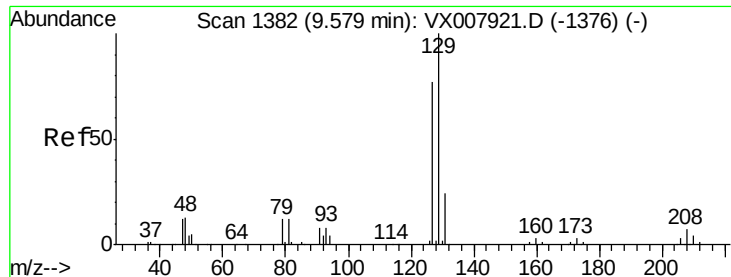
78 32.5 0.0 65.2



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0

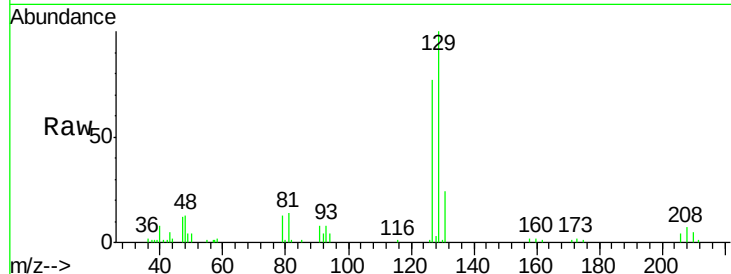




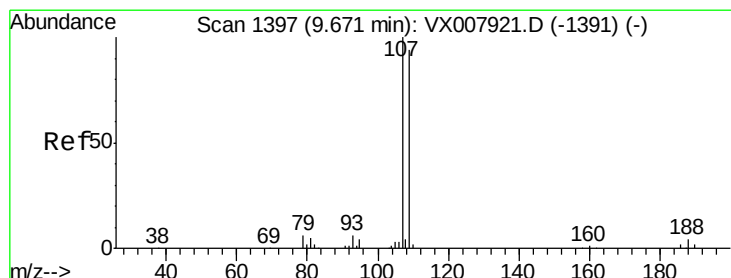
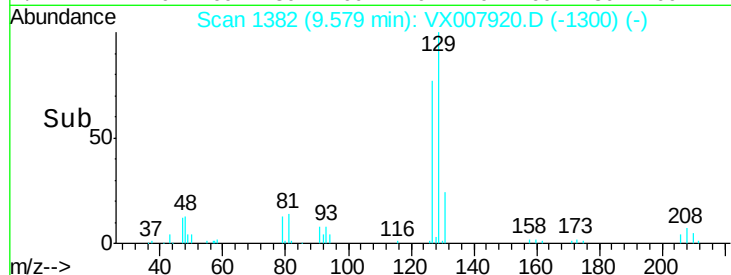
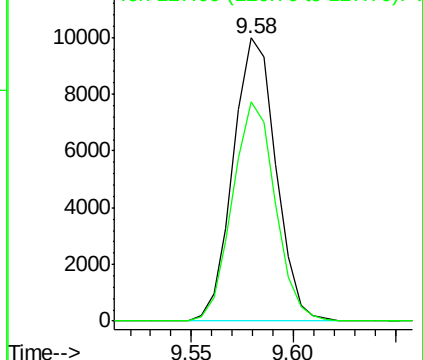
#53
 Dibromochloromethane
 Concen: 4.818 ug/l
 RT: 9.58 min Scan# 1382
 Delta R.T. 0.00 min
 Lab File: VX007920.D
 Acq: 08 Mar 2019 09:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion:129 Resp: 14584
 Ion Ratio Lower Upper
 129 100
 127 77.3 38.4 115.2

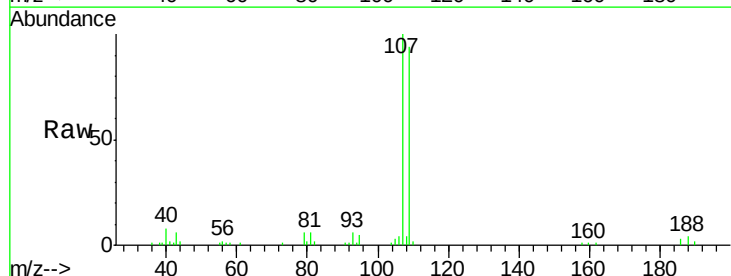


Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V

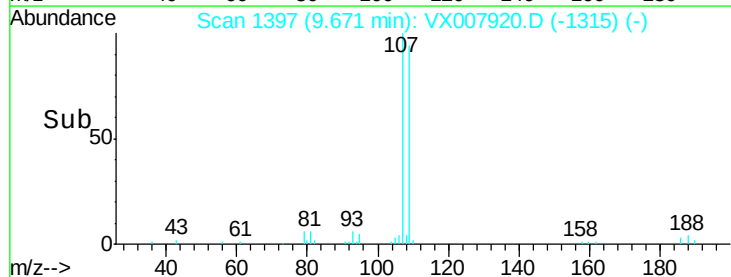
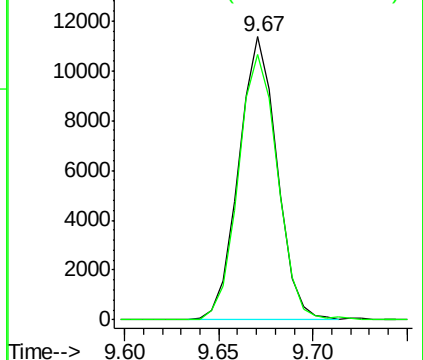


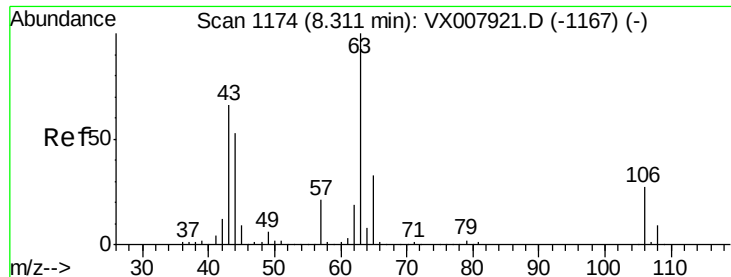
#54
 1,2-Dibromoethane
 Concen: 5.201 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: VX007920.D
 Acq: 08 Mar 2019 09:54

Tgt Ion:107 Resp: 16002
 Ion Ratio Lower Upper
 107 100
 109 96.0 76.6 115.0



Abundance Ion 107.00 (106.70 to 107.70): V
 Ion 109.00 (108.70 to 109.70): V

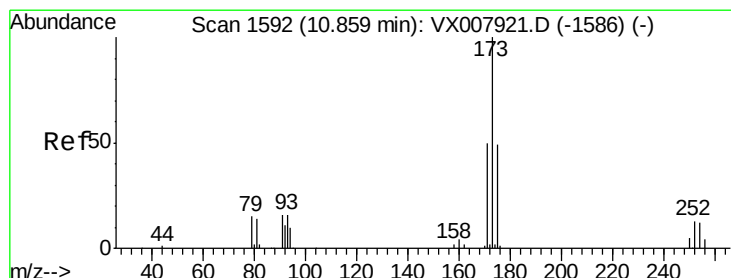
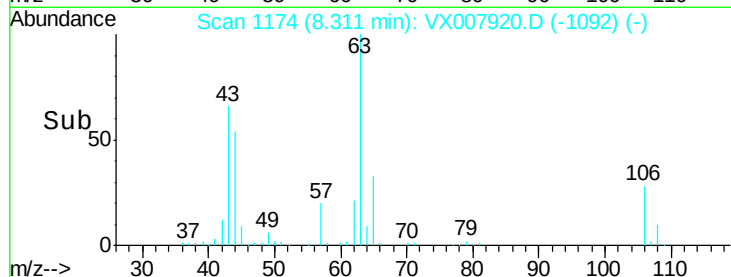
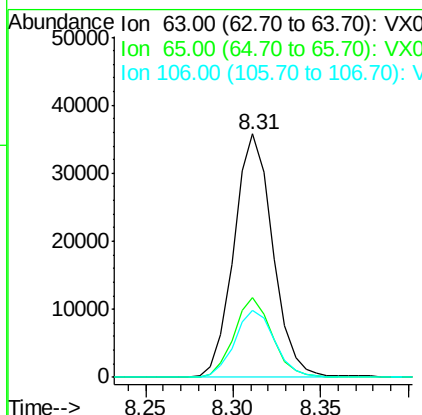
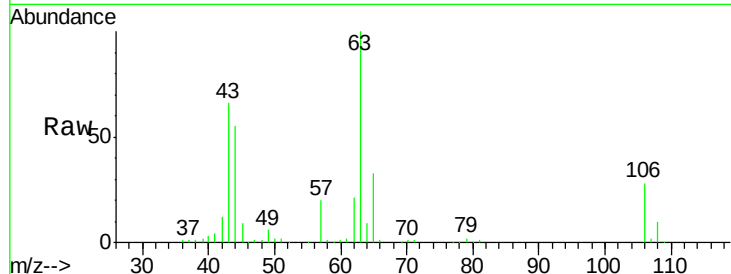




#55
 2-Chloroethyl vinyl ether
 Concen: 26.630 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX007920.D
 Acq: 08 Mar 2019 09:54

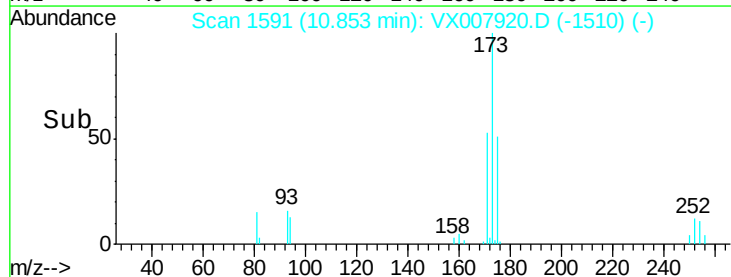
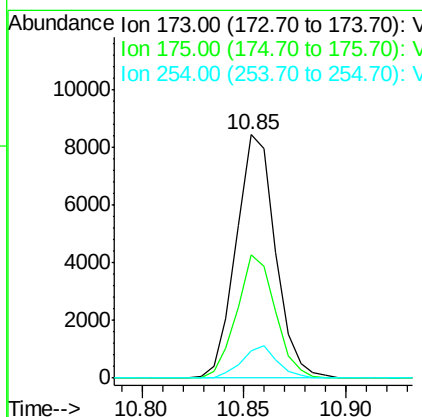
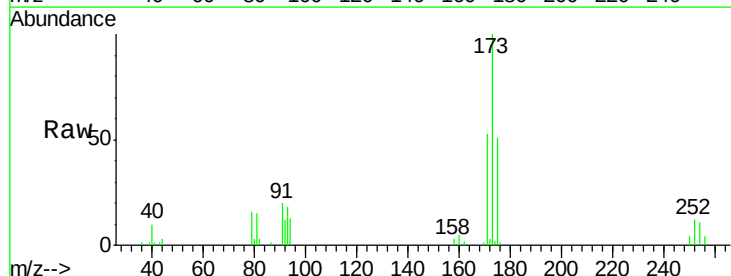
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

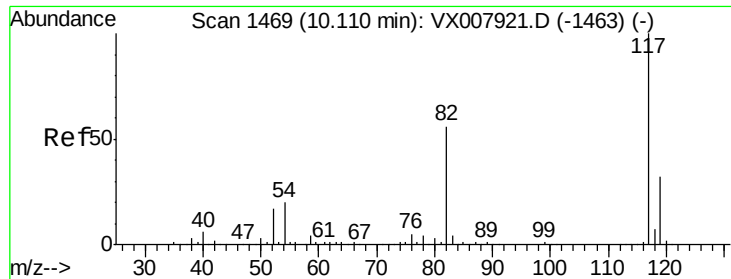
Tot Ion: 63 Resp: 55281
 Ion Ratio Lower Upper
 63 100
 65 32.2 25.7 38.5
 106 28.3 23.7 35.5



#56
 Bromoform
 Concen: 4.683 ug/l
 RT: 10.85 min Scan# 1591
 Delta R.T. -0.01 min
 Lab File: VX007920.D
 Acq: 08 Mar 2019 09:54

Tgt Ion: 173 Resp: 11307
 Ion Ratio Lower Upper
 173 100
 175 49.5 38.5 57.7
 254 12.0 7.4 11.2#

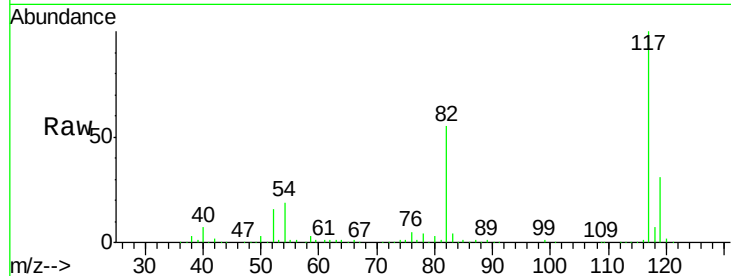




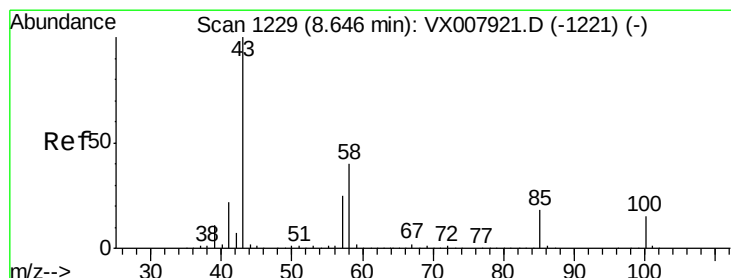
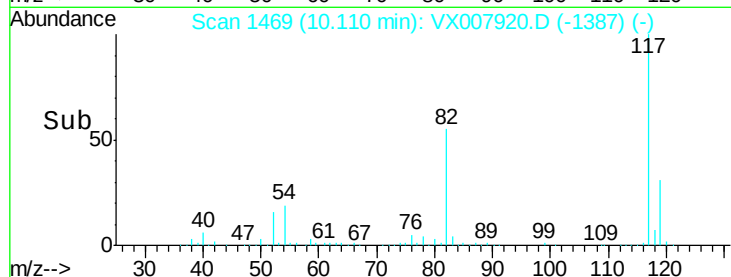
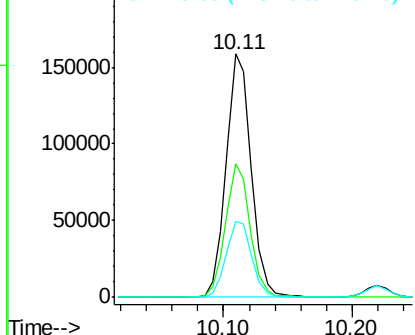
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007920.D
Acq: 08 Mar 2019 09:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:117 Resp: 218382
Ion Ratio Lower Upper
117 100
82 53.6 40.4 60.6
119 32.1 25.8 38.6

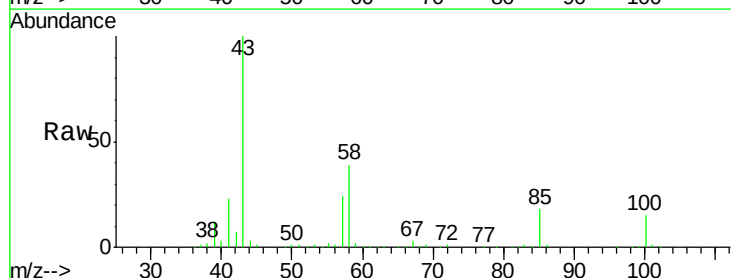


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 119.00 (118.70 to 119.70): V

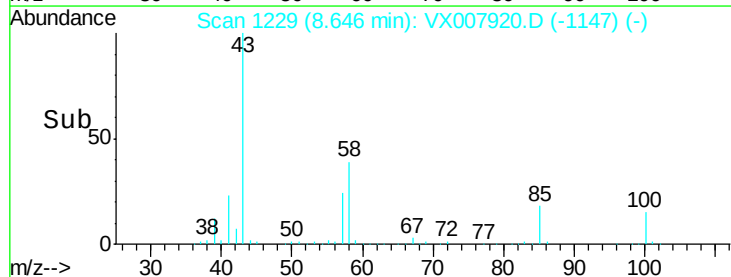
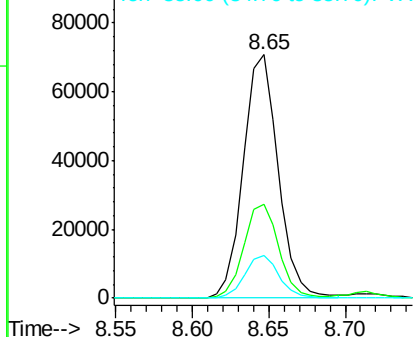


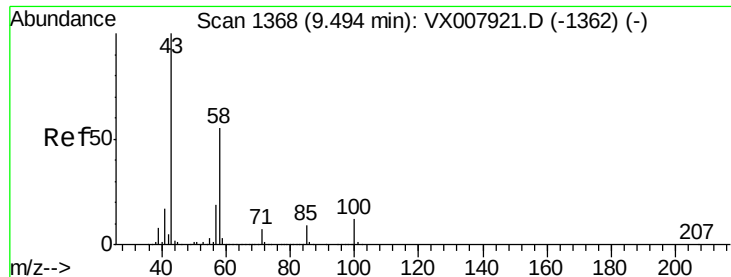
#58
4-Methyl-2-Pentanone
Concen: 24.838 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. 0.00 min
Lab File: VX007920.D
Acq: 08 Mar 2019 09:54

Tgt Ion: 43 Resp: 111678
Ion Ratio Lower Upper
43 100
58 39.1 31.4 47.0
85 17.5 15.0 22.6



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0
Ion 85.00 (84.70 to 85.70): VX0

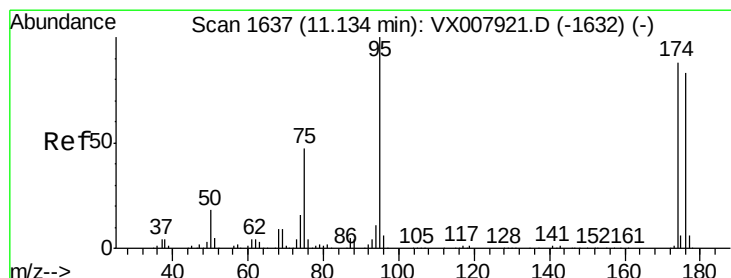
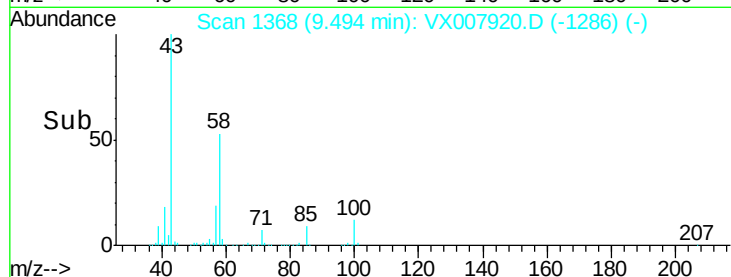
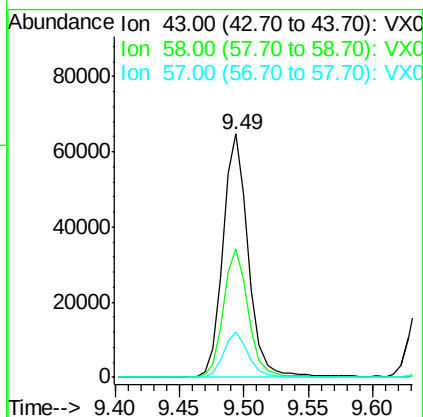
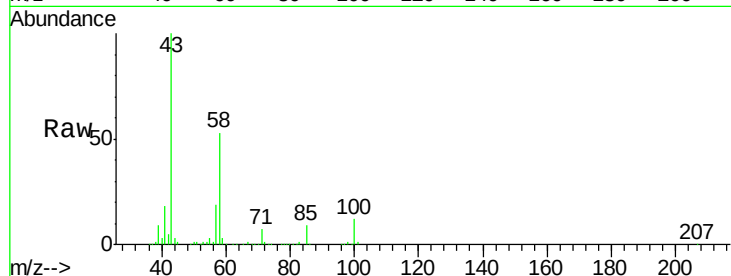




#59
2-Hexanone
Concen: 25.191 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX007920.D
Acq: 08 Mar 2019 09:54

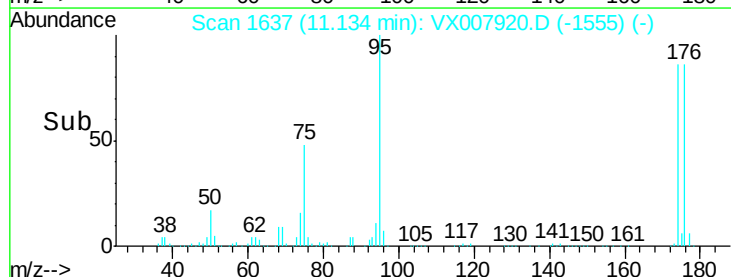
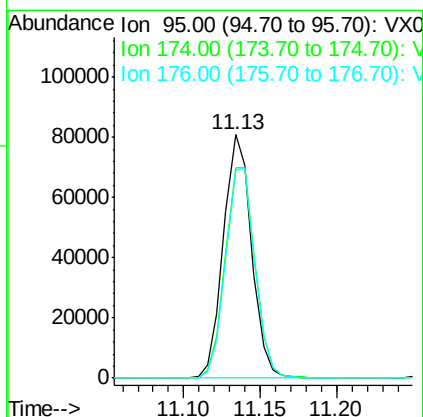
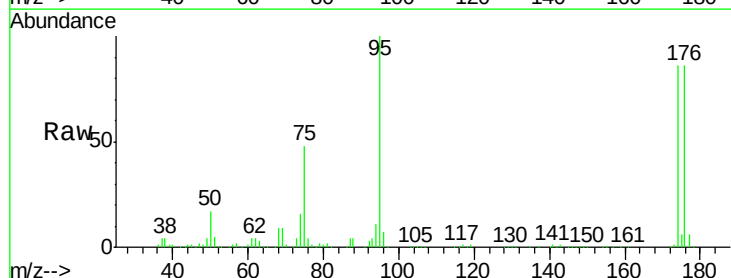
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

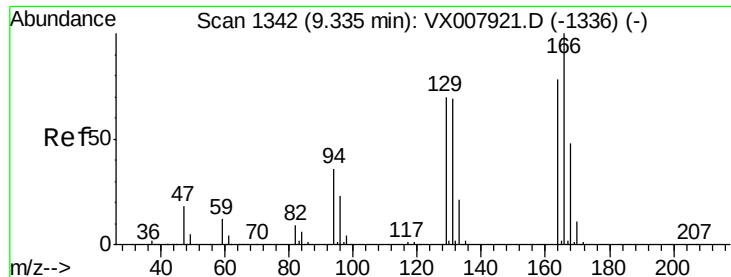
Tot Ion: 43 Resp: 89407
Ion Ratio Lower Upper
43 100
58 52.5 43.9 65.9
57 18.4 14.9 22.3



#60
4-Bromofluorobenzene
Concen: 29.662 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX007920.D
Acq: 08 Mar 2019 09:54

Tgt Ion: 95 Resp: 103391
Ion Ratio Lower Upper
95 100
174 91.8 74.9 112.3
176 89.6 70.7 106.1





#61

Tetrachloroethene

Concen: 5.572 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX007920.D

Acq: 08 Mar 2019 09:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:164 Resp: 17749

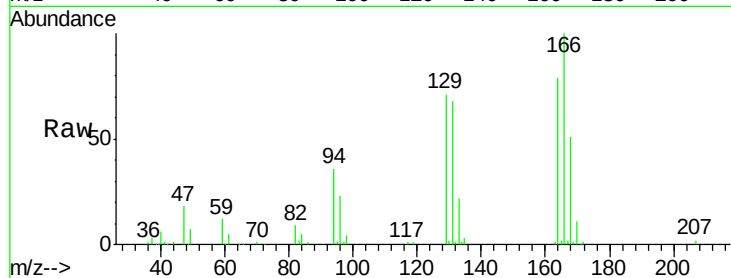
Ion Ratio Lower Upper

164 100

166 126.1 103.9 155.9

129 89.8 74.7 112.1

131 85.4 71.7 107.5

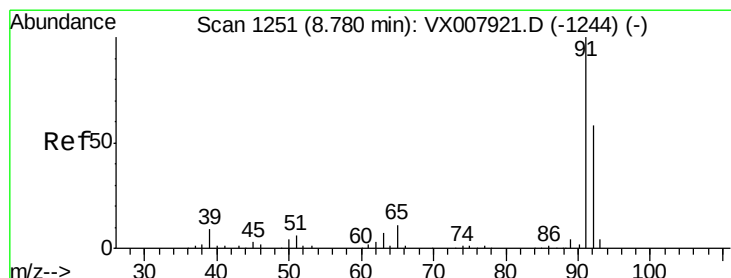
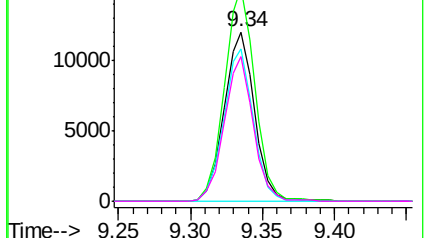
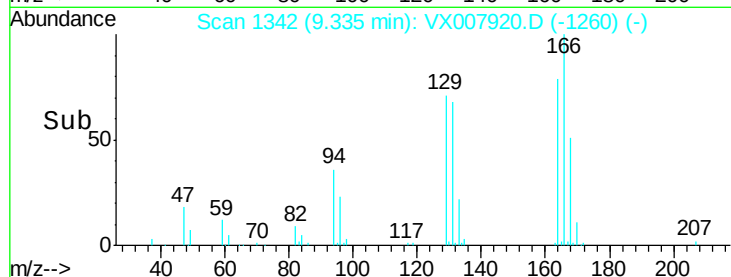


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 5.198 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX007920.D

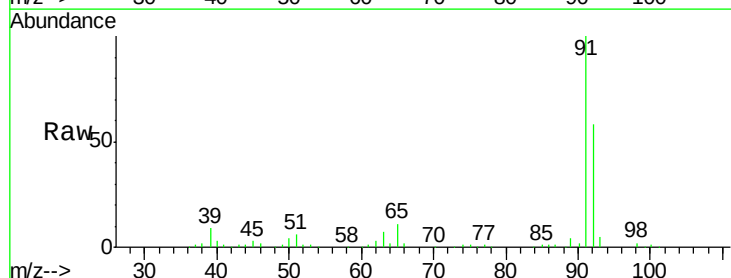
Acq: 08 Mar 2019 09:54

Tgt Ion: 91 Resp: 66283

Ion Ratio Lower Upper

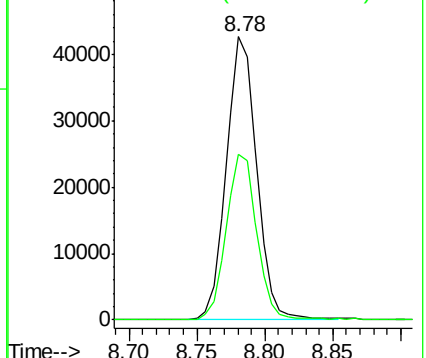
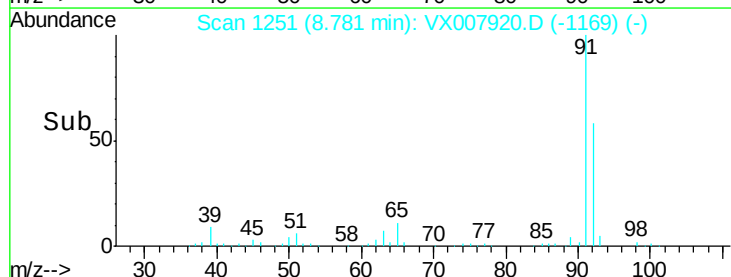
91 100

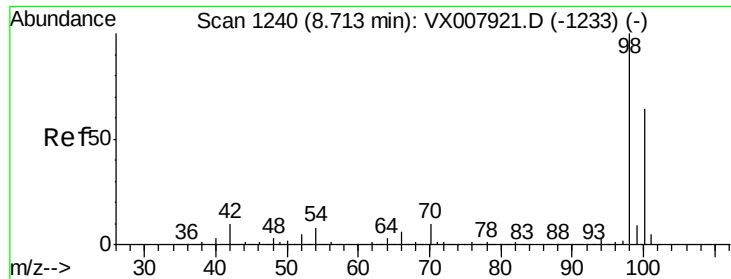
92 58.7 46.4 69.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

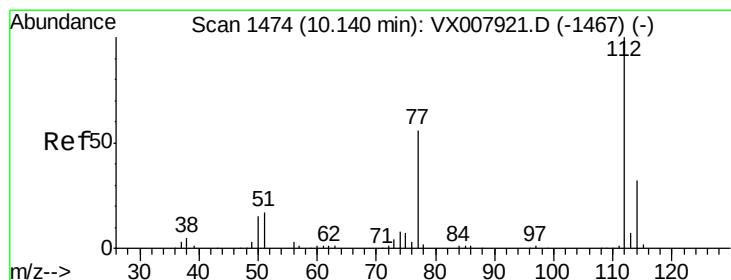
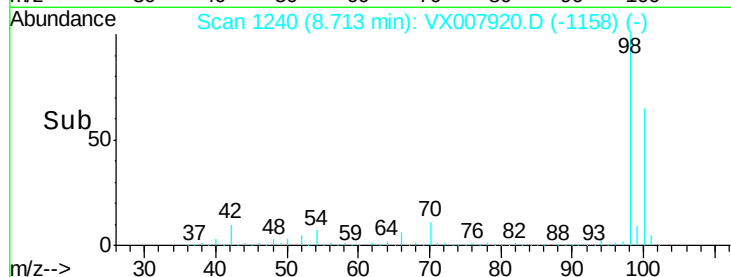
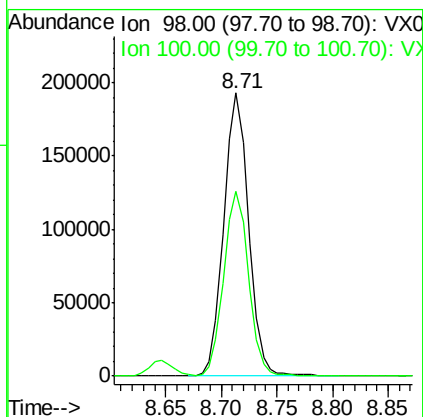
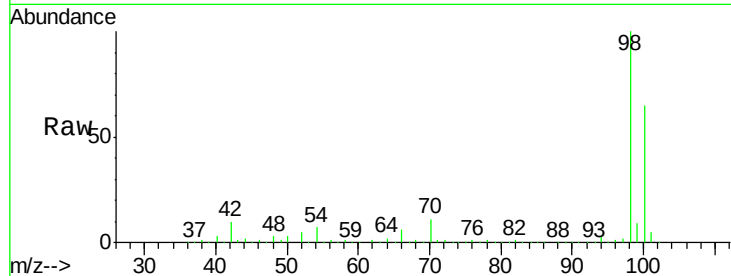




#63
Toluene-d8
Concen: 29.836 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX007920.D
Acq: 08 Mar 2019 09:54

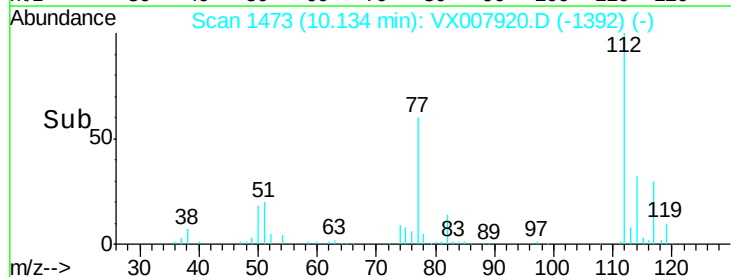
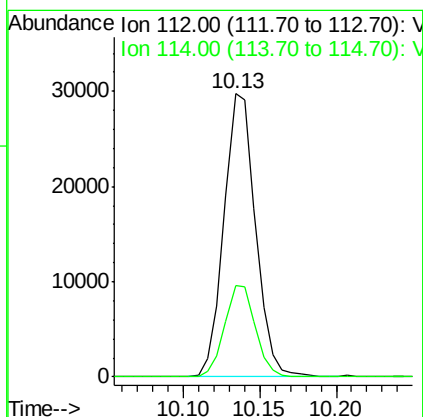
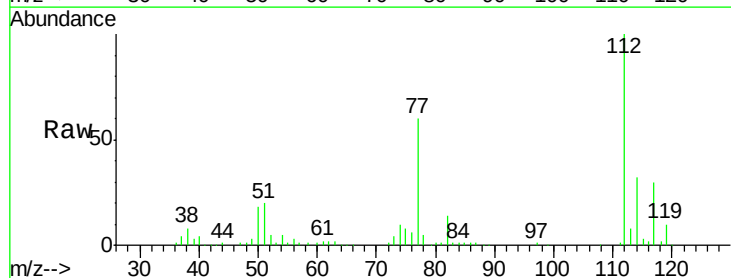
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

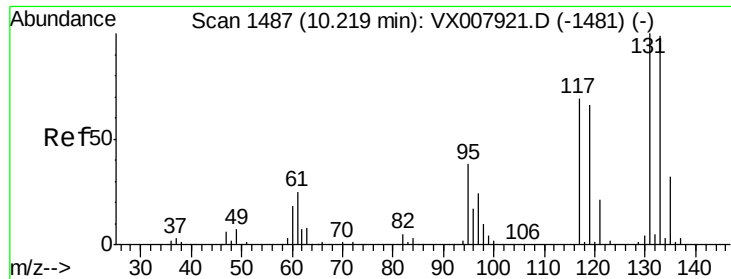
Tot Ion: 98 Resp: 298181
Ion Ratio Lower Upper
98 100
100 65.8 50.9 76.3



#64
Chlorobenzene
Concen: 5.237 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.01 min
Lab File: VX007920.D
Acq: 08 Mar 2019 09:54

Tgt Ion: 112 Resp: 42562
Ion Ratio Lower Upper
112 100
114 32.5 25.4 38.2





#65

1,1,1,2-Tetrachloroethane

Concen: 4.898 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX007920.D

Acq: 08 Mar 2019 09:54

Instrument :

MSVOA_X

ClientSampled :

VSTDIC005

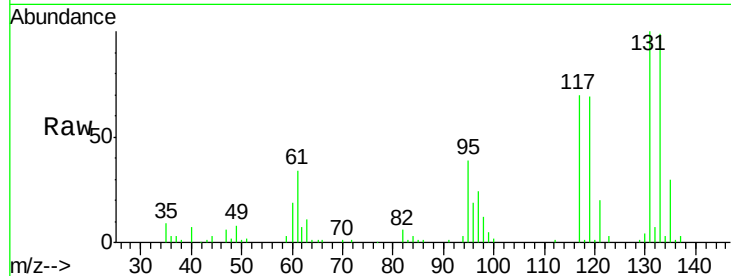
Tot Ion:131 Resp: 14253

Ion Ratio Lower Upper

131 100

133 96.3 0.0 191.6

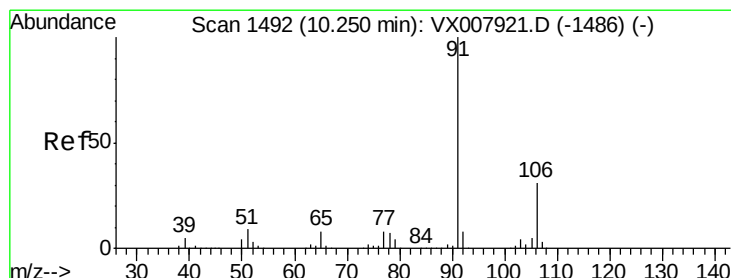
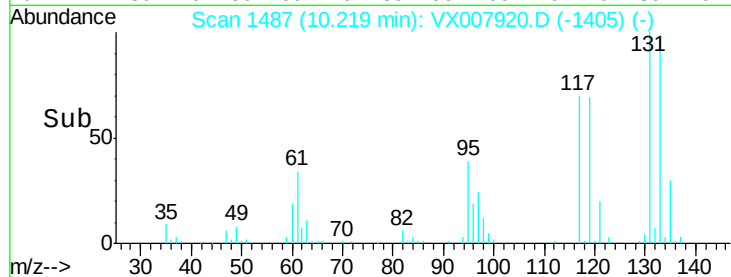
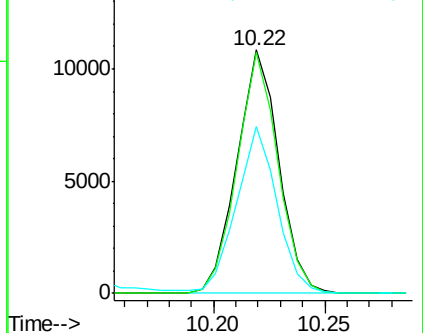
119 66.9 0.0 127.4



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 5.092 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX007920.D

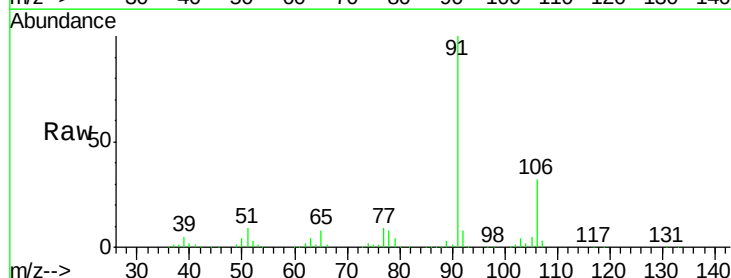
Acq: 08 Mar 2019 09:54

Tgt Ion: 91 Resp: 69740

Ion Ratio Lower Upper

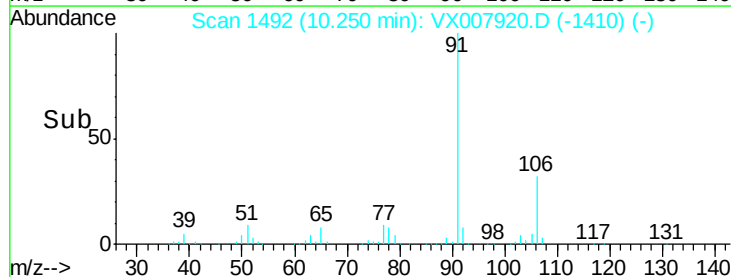
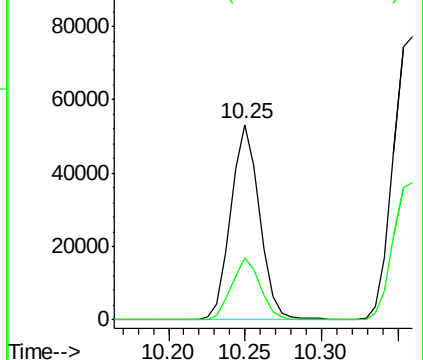
91 100

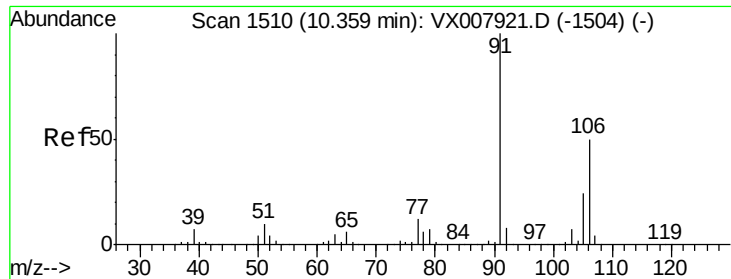
106 31.7 26.0 39.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 10.113 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX007920.D

Acq: 08 Mar 2019 09:54

Instrument :

MSVOA_X

ClientSampleId :

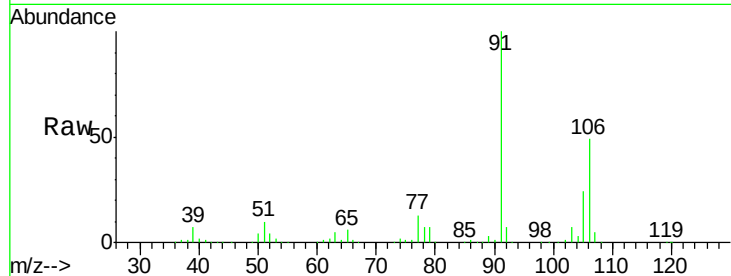
VSTDIC005

Tot Ion:106 Resp: 53116

Ion Ratio Lower Upper

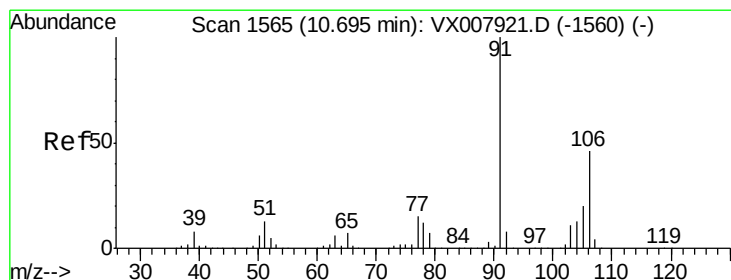
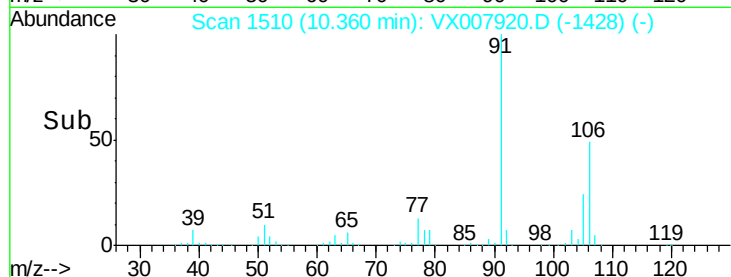
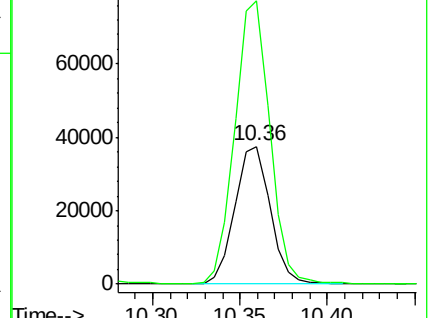
106 100

91 204.4 157.0 235.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#68

o-Xylene

Concen: 5.063 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VX007920.D

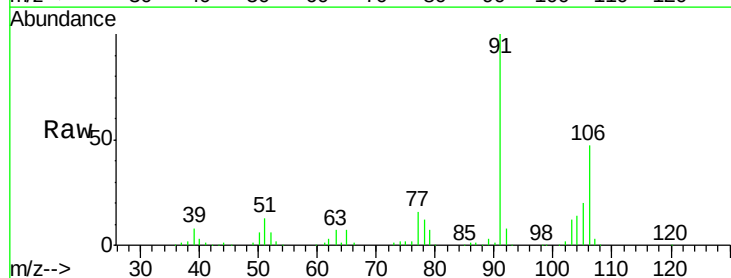
Acq: 08 Mar 2019 09:54

Tgt Ion:106 Resp: 25823

Ion Ratio Lower Upper

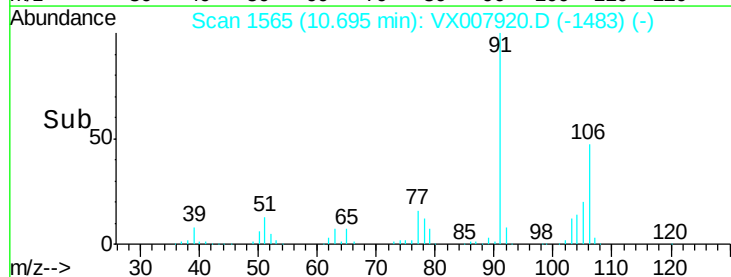
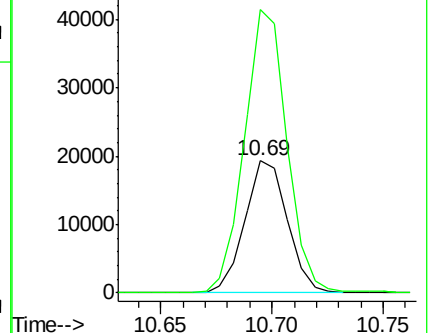
106 100

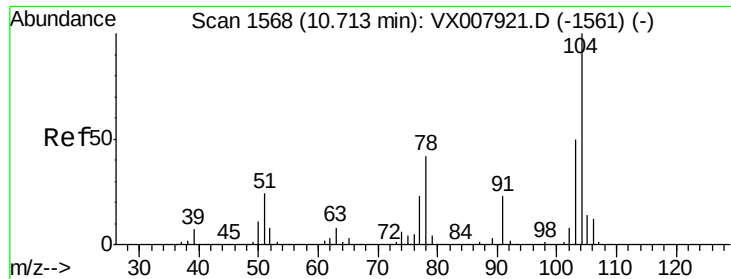
91 214.5 104.4 313.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

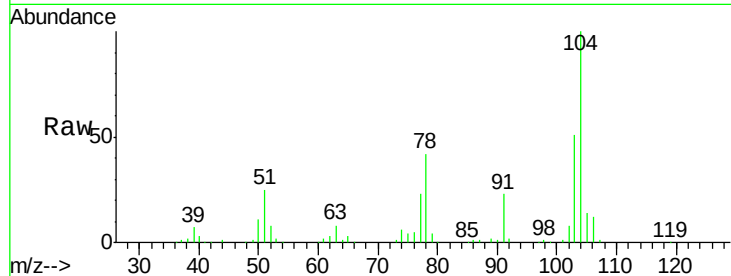




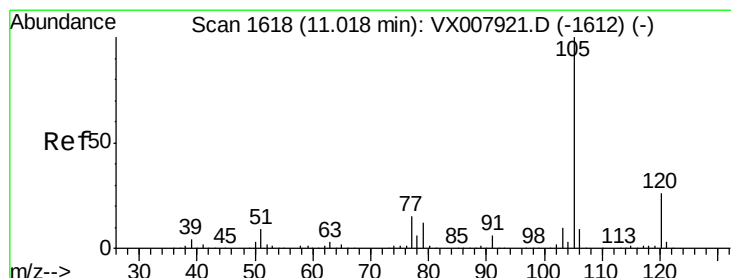
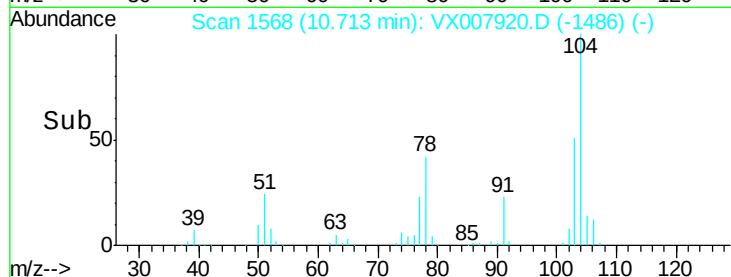
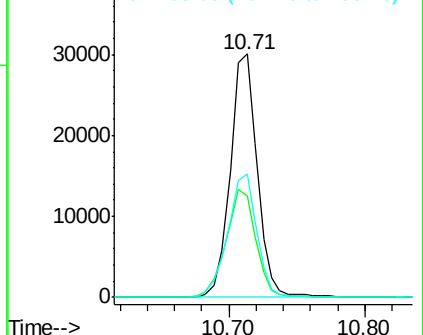
#69
Stvrene
Concen: 4.940 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX007920.D
Acq: 08 Mar 2019 09:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:104 Resp: 41513
Ion Ratio Lower Upper
104 100
78 48.7 38.2 57.2
103 54.8 45.0 67.4

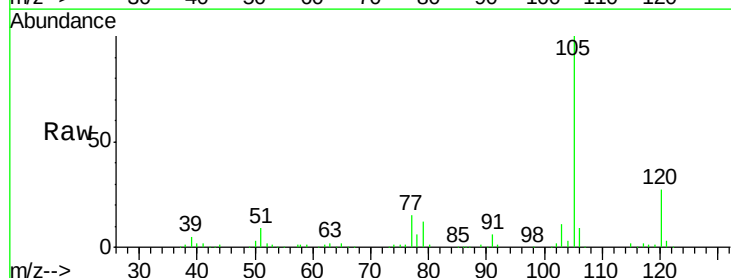


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V

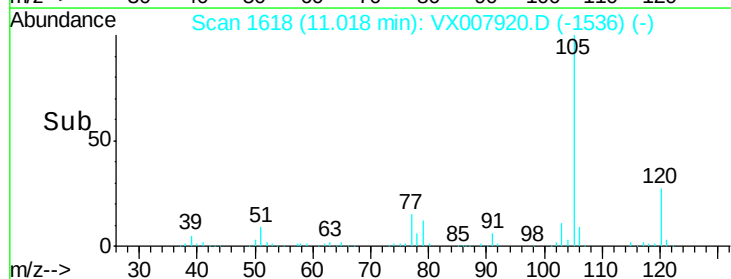
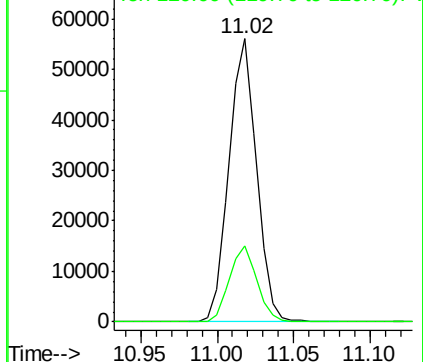


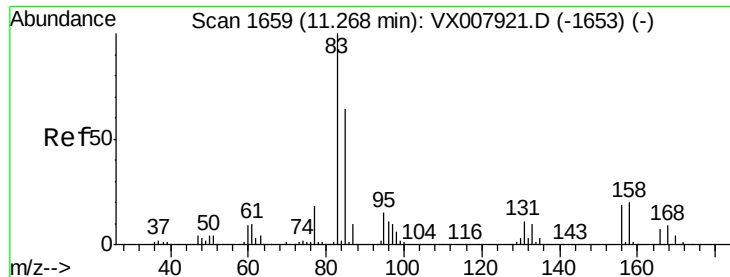
#70
Isopropylbenzene
Concen: 5.157 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX007920.D
Acq: 08 Mar 2019 09:54

Tgt Ion:105 Resp: 70283
Ion Ratio Lower Upper
105 100
120 26.6 19.8 36.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

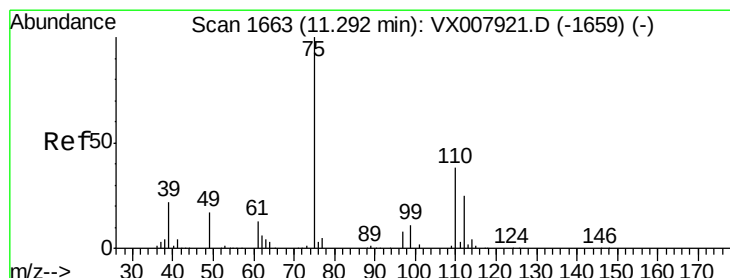
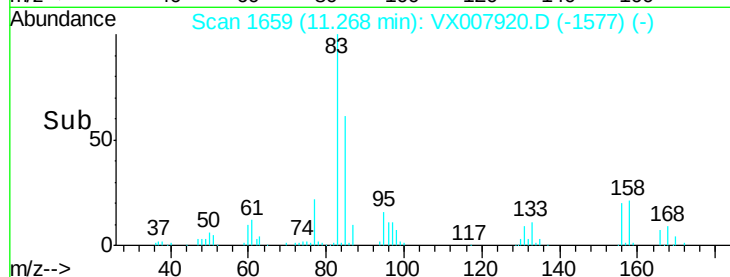
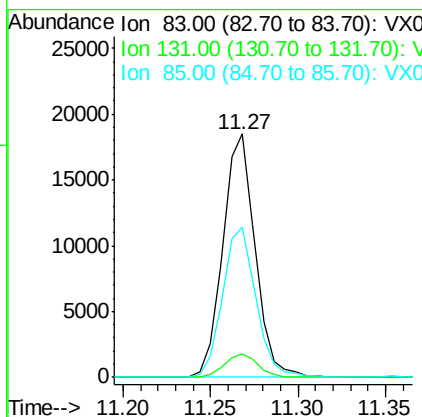
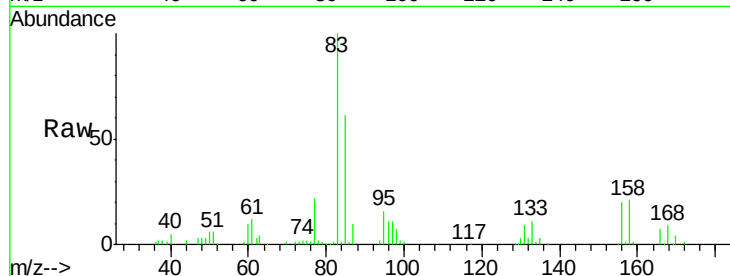




#71
 1,1,2,2-Tetrachloroethane
 Concen: 5.283 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. 0.00 min
 Lab File: VX007920.D
 Acq: 08 Mar 2019 09:54

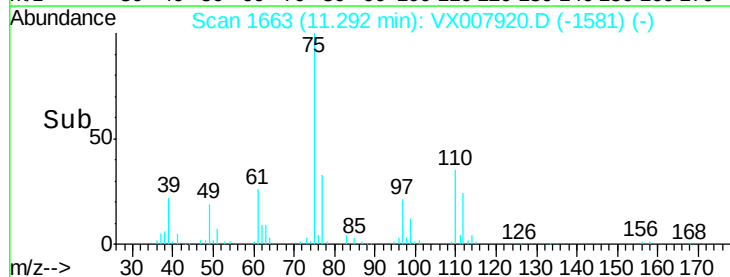
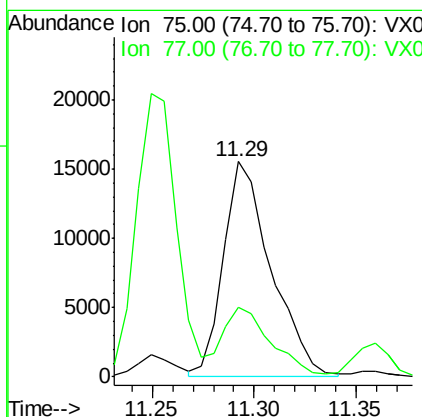
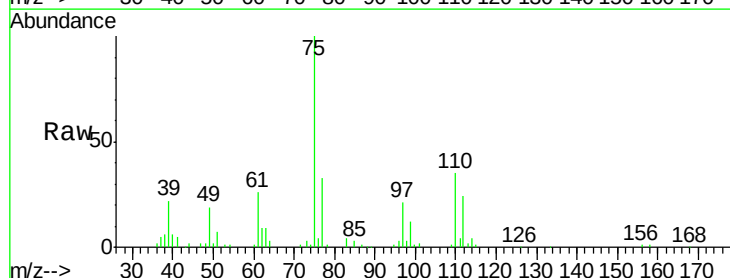
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

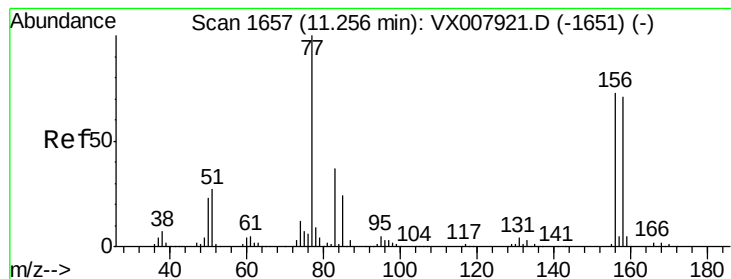
Tot Ion: 83 Resp: 23777
 Ion Ratio Lower Upper
 83 100
 131 9.9 5.4 16.2
 85 63.7 32.8 98.4



#72
 1,2,3-Trichloropropane
 Concen: 5.941 ug/l
 RT: 11.29 min Scan# 1663
 Delta R.T. 0.00 min
 Lab File: VX007920.D
 Acq: 08 Mar 2019 09:54

Tgt Ion: 75 Resp: 25205
 Ion Ratio Lower Upper
 75 100
 77 33.5 0.0 76.4





#73

Bromobenzene

Concen: 5.224 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX007920.D

Acq: 08 Mar 2019 09:54

Instrument :

MSVOA_X

ClientSampled :

VSTDIC005

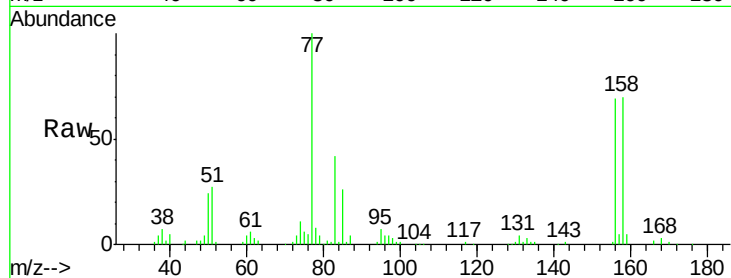
Tot Ion:156 Resp: 18926

Ion Ratio Lower Upper

156 100

77 147.3 0.0 271.4

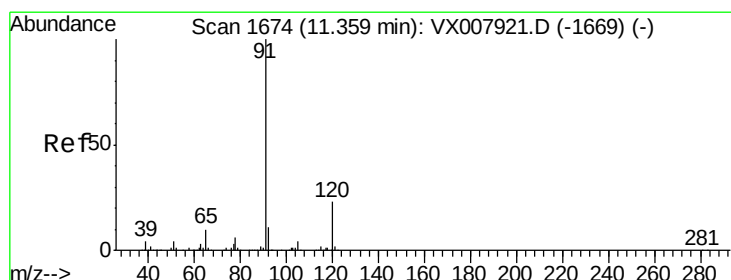
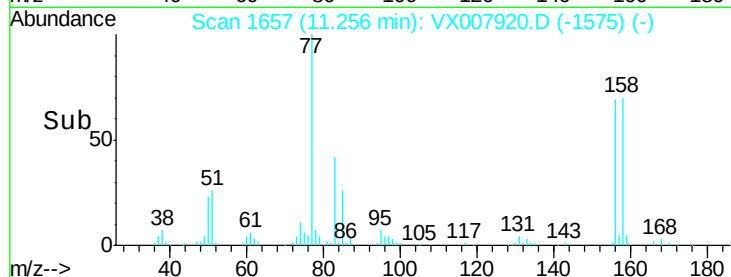
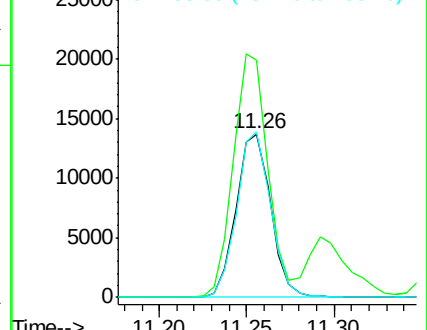
158 99.2 0.0 194.0



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 5.115 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX007920.D

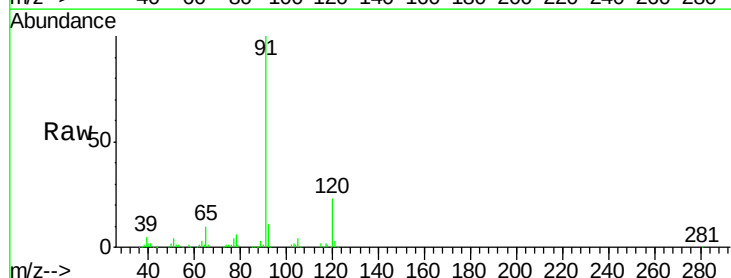
Acq: 08 Mar 2019 09:54

Tgt Ion: 91 Resp: 78635

Ion Ratio Lower Upper

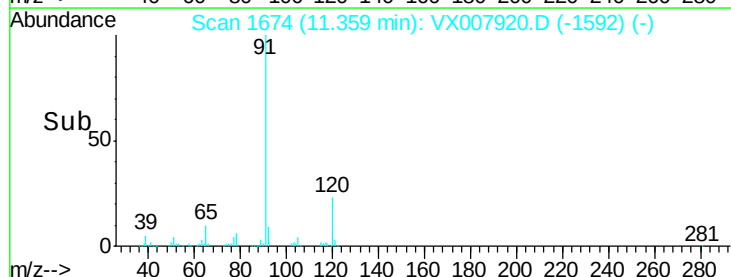
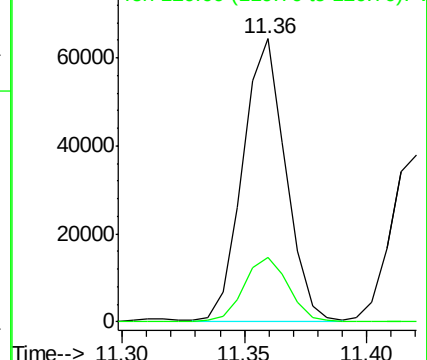
91 100

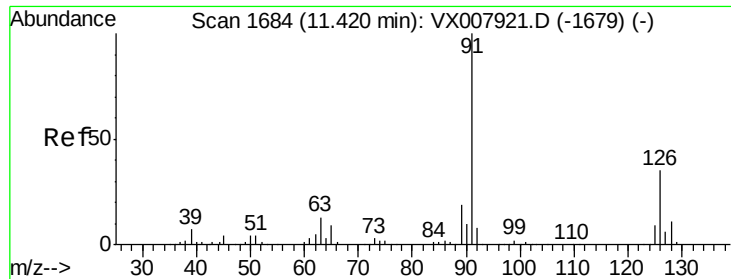
120 23.5 0.0 48.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 5.290 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX007920.D

Acq: 08 Mar 2019 09:54

Instrument :

MSVOA_X

ClientSampleId :

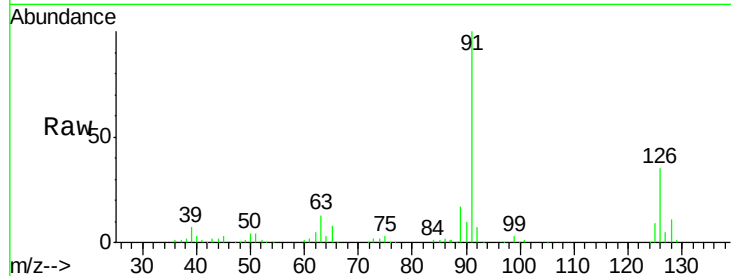
VSTDIC005

Tot Ion: 91 Resp: 48742

Ion Ratio Lower Upper

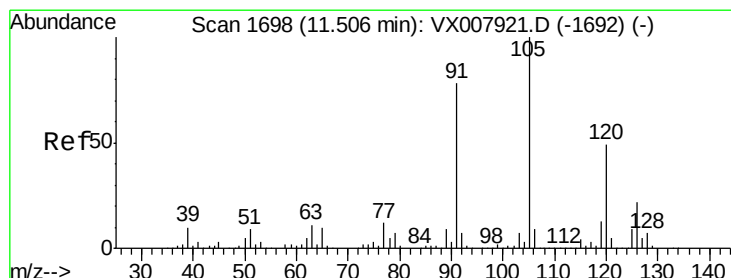
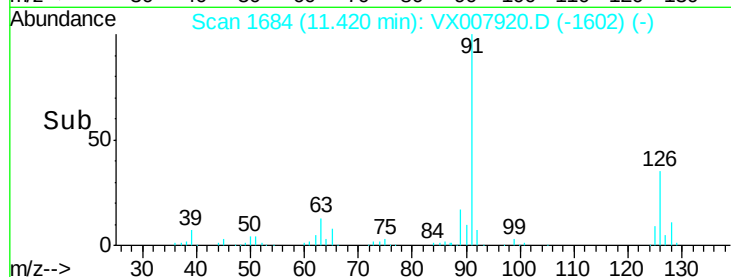
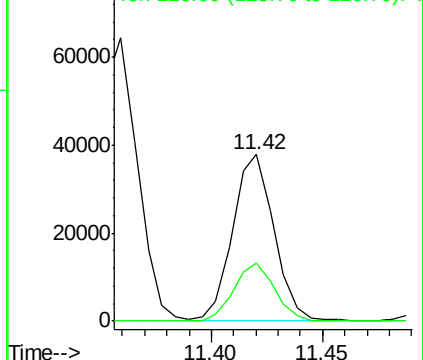
91 100

126 34.6 0.0 75.2



Abundance Ion 91.00 (90.70 to 91.70): VX007921.D (-1679) (-)

Ion 126.00 (125.70 to 126.70): VX007921.D (-1679) (-)



#76

1,3,5-Trimethylbenzene

Concen: 5.126 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX007920.D

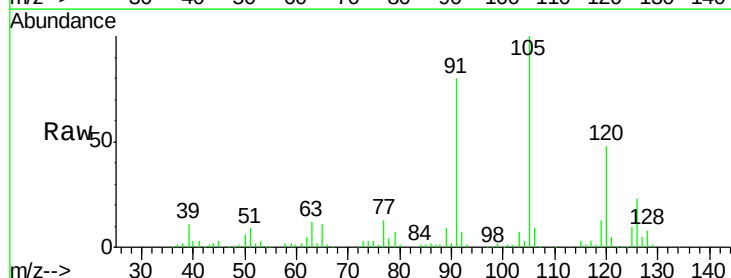
Acq: 08 Mar 2019 09:54

Tgt Ion: 105 Resp: 57895

Ion Ratio Lower Upper

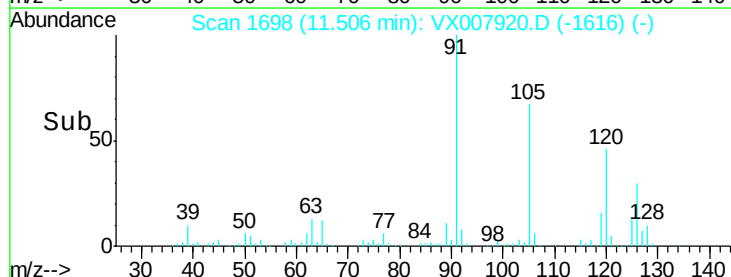
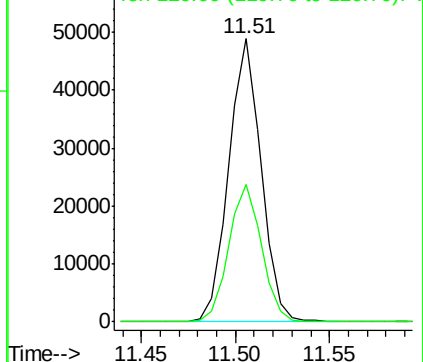
105 100

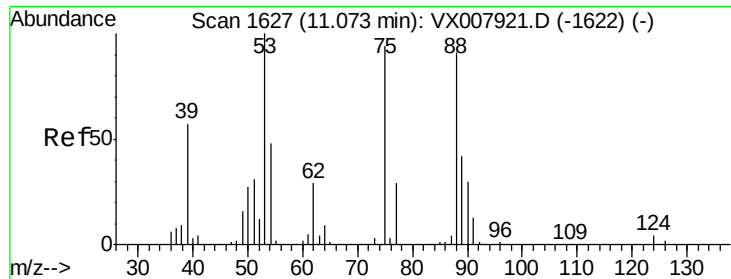
120 49.6 0.0 101.0



Abundance Ion 105.00 (104.70 to 105.70): VX007921.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX007921.D (-1692) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 3.813 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX007920.D

Acq: 08 Mar 2019 09:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

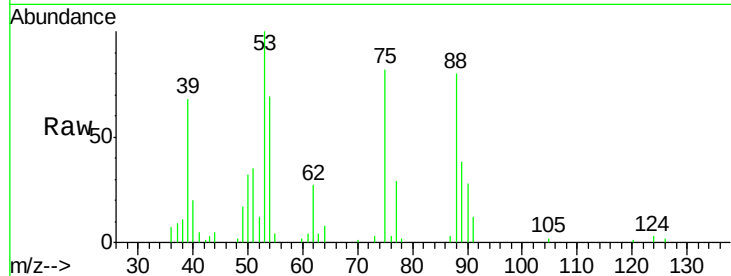
Tot Ion: 75 Resp: 4998

Ion Ratio Lower Upper

75 100

53 120.1 55.5 166.7

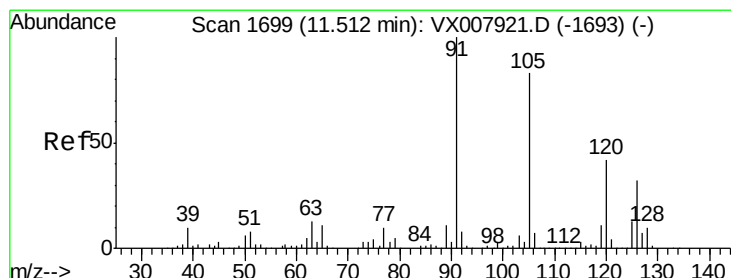
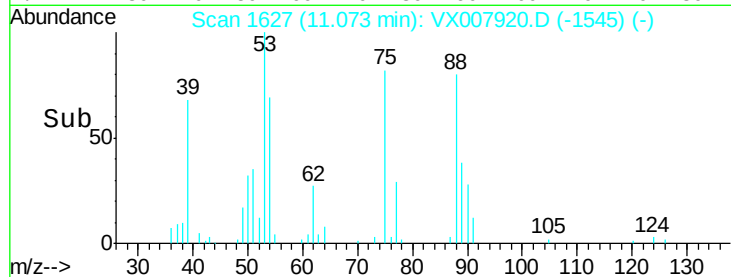
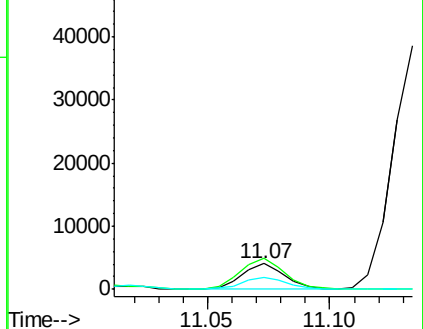
89 46.3 24.4 73.2



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 89.00 (88.70 to 89.70): VX0



#78

4-Chlorotoluene

Concen: 5.051 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX007920.D

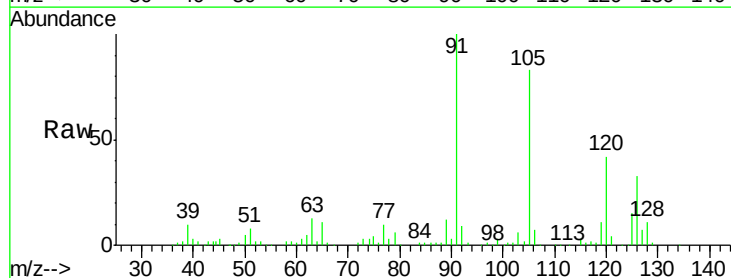
Acq: 08 Mar 2019 09:54

Tgt Ion: 91 Resp: 52614

Ion Ratio Lower Upper

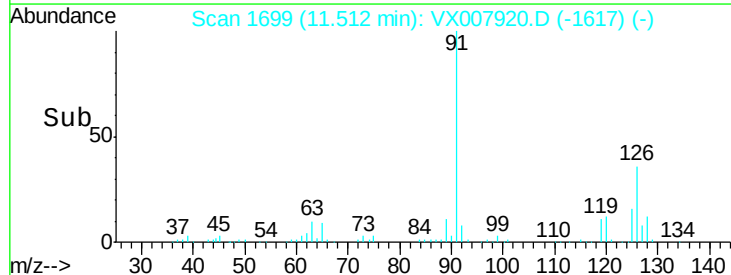
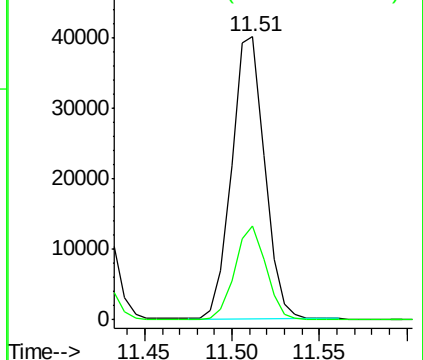
91 100

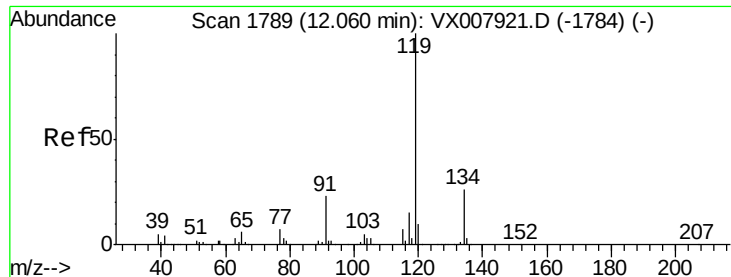
126 31.3 0.0 66.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V

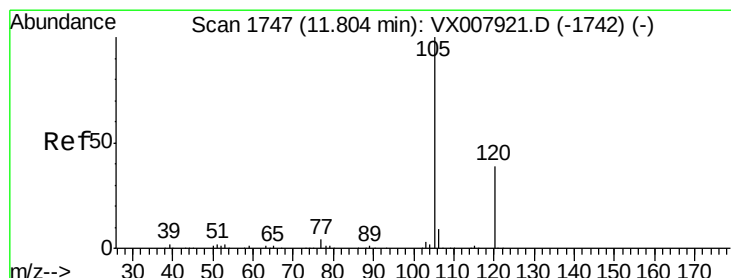
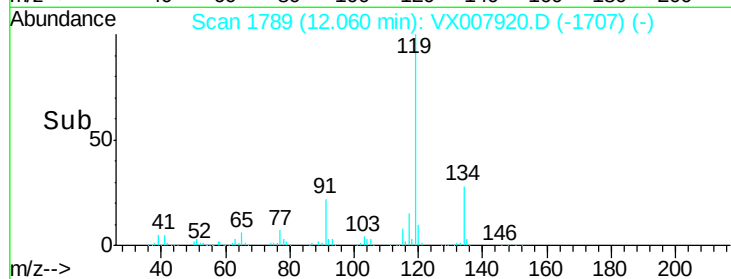
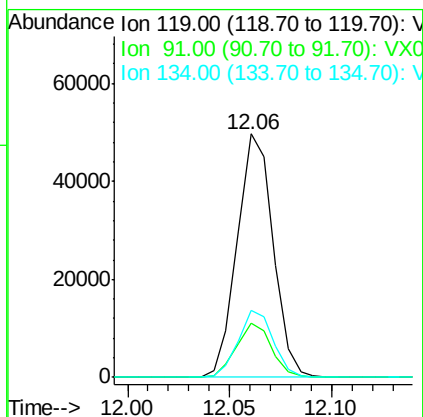
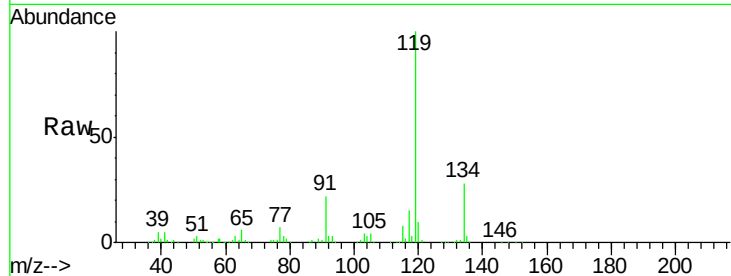




#79
tert-butylbenzene
Concen: 4.992 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VX007920.D
Acq: 08 Mar 2019 09:54

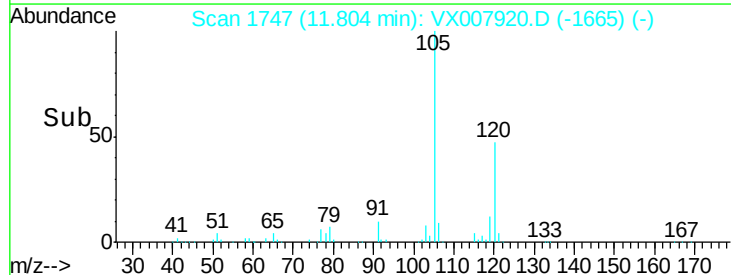
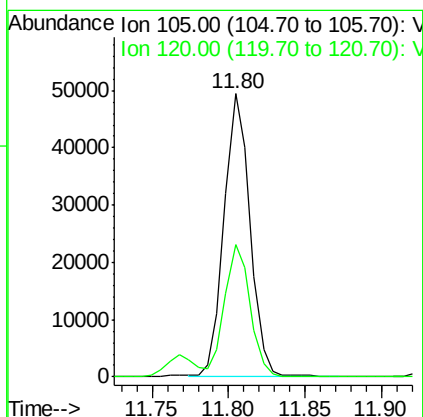
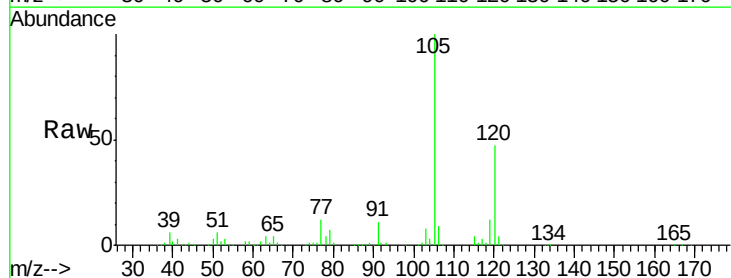
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

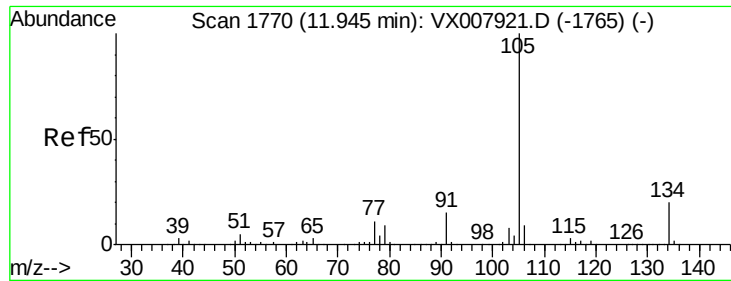
Tot Ion:119 Resp: 60504
Ion Ratio Lower Upper
119 100
91 22.2 0.0 45.0
134 27.1 0.0 55.4



#80
1,2,4-Trimethylbenzene
Concen: 5.088 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX007920.D
Acq: 08 Mar 2019 09:54

Tgt Ion:105 Resp: 58317
Ion Ratio Lower Upper
105 100
120 45.6 0.0 94.0

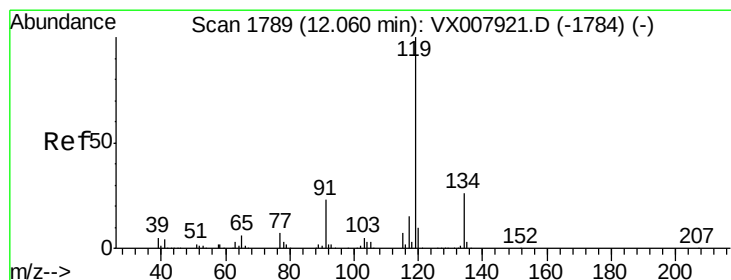
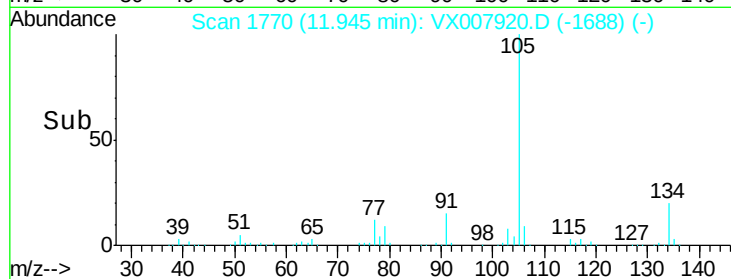
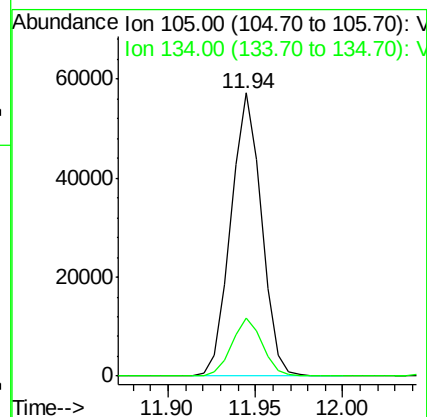
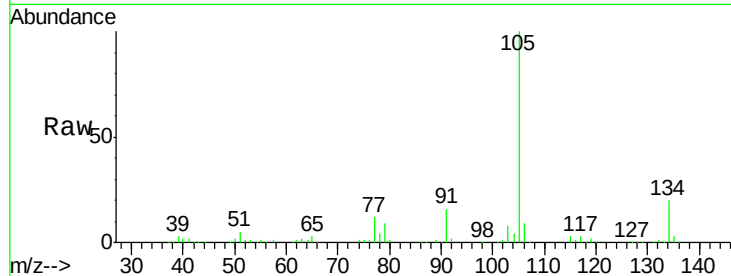




#81
 sec-Butylbenzene
 Concen: 5.137 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX007920.D
 Acq: 08 Mar 2019 09:54

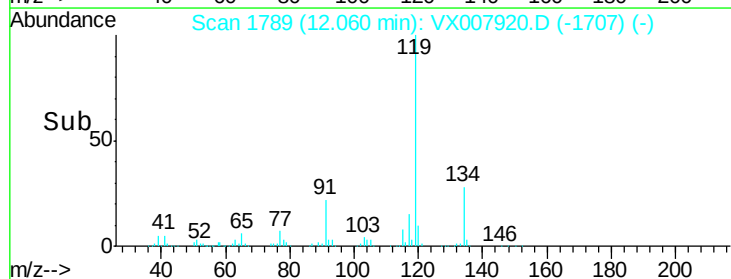
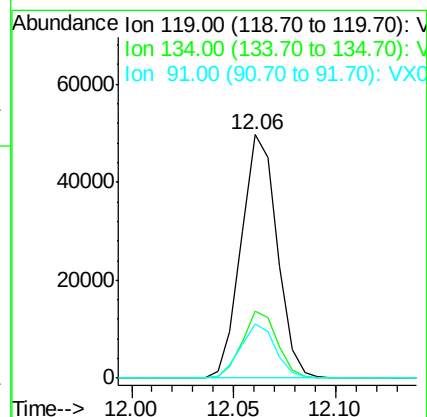
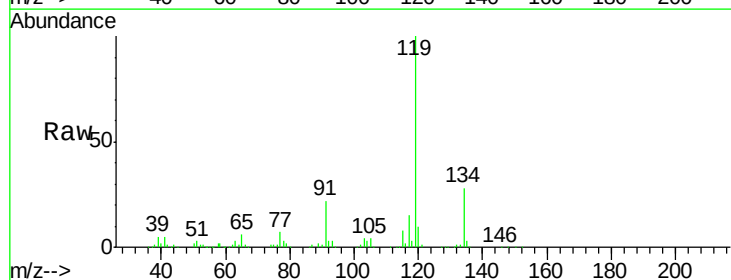
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

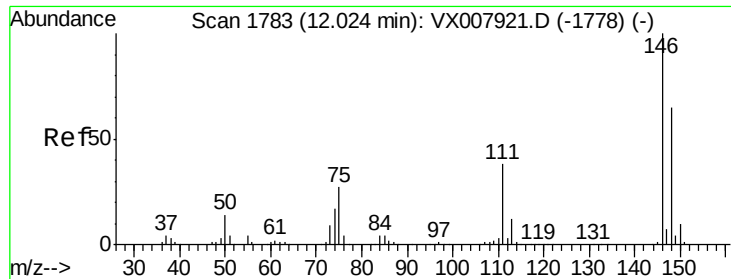
Tot Ion:105 Resp: 69741
 Ion Ratio Lower Upper
 105 100
 134 20.4 0.0 41.8



#82
 p-Isopropyltoluene
 Concen: 4.992 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX007920.D
 Acq: 08 Mar 2019 09:54

Tgt Ion:119 Resp: 60504
 Ion Ratio Lower Upper
 119 100
 134 27.1 0.0 55.4
 91 22.2 0.0 45.0

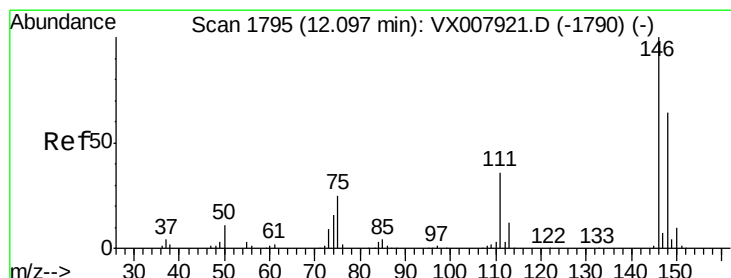
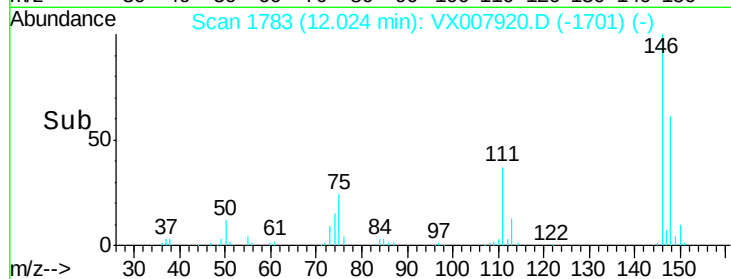
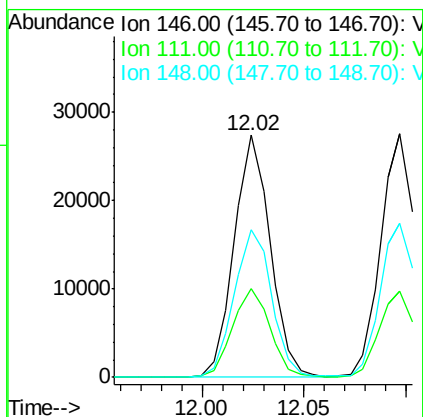
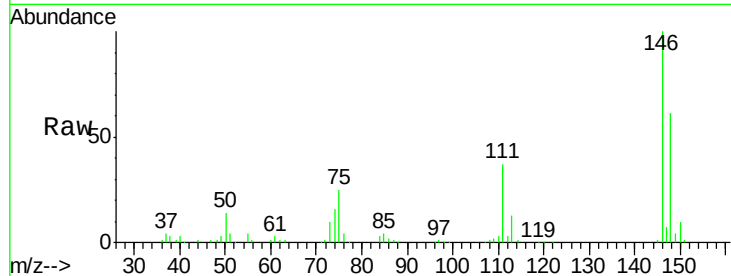




#83
 1,3-Dichlorobenzene
 Concen: 5.232 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX007920.D
 Acq: 08 Mar 2019 09:54

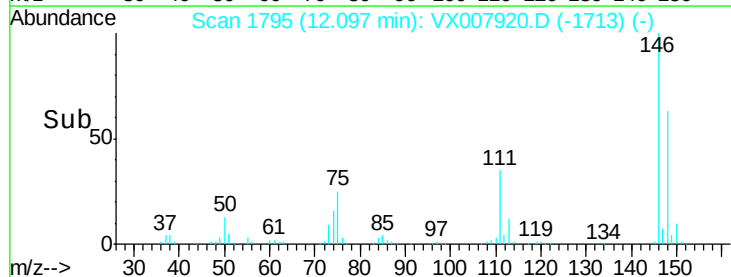
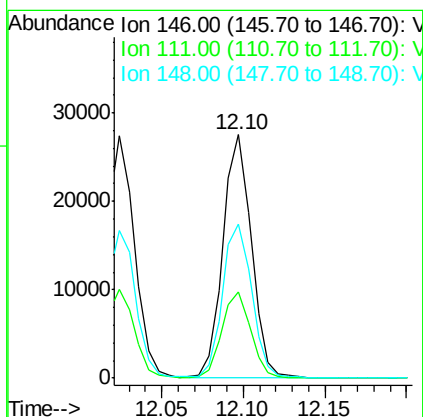
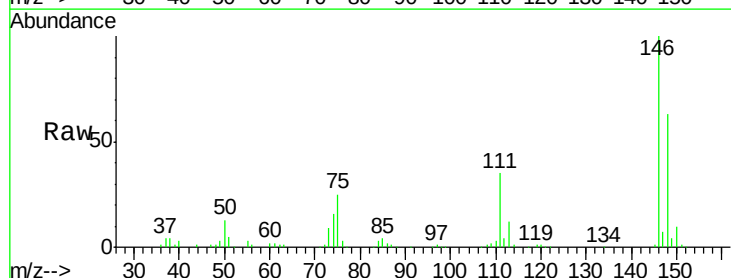
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

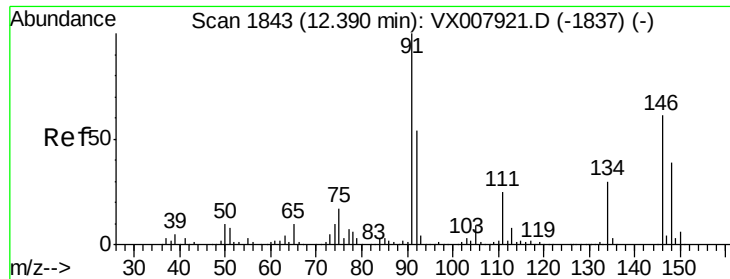
Tot Ion:146 Resp: 33751
 Ion Ratio Lower Upper
 146 100
 111 37.8 18.8 56.3
 148 63.4 30.6 91.8



#84
 1,4-Dichlorobenzene
 Concen: 5.216 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX007920.D
 Acq: 08 Mar 2019 09:54

Tgt Ion:146 Resp: 33663
 Ion Ratio Lower Upper
 146 100
 111 35.1 17.6 52.8
 148 65.0 31.4 94.2





#85

n-Butylbenzene

Concen: 4.812 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.01 min

Lab File: VX007920.D

Acq: 08 Mar 2019 09:54

Instrument :

MSVOA_X

ClientSampled :

VSTDIC005

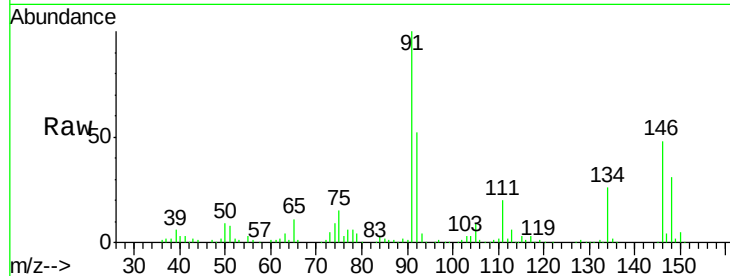
Tot Ion: 91 Resp: 49873

Ion Ratio Lower Upper

91 100

92 52.1 0.0 105.2

134 26.7 0.0 56.4

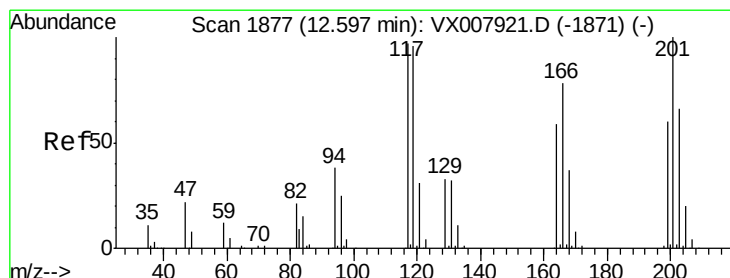
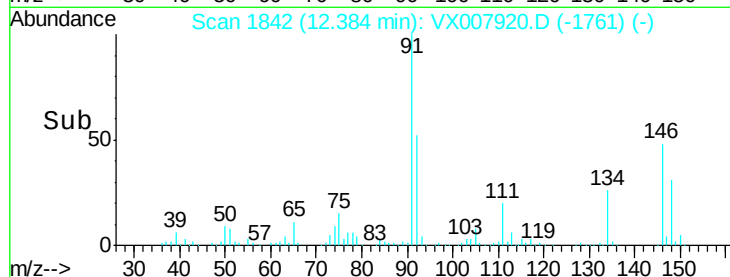


Abundance Ion 91.00 (90.70 to 91.70): VX007921.D (-1837) (-)

Ion 92.00 (91.70 to 92.70): VX007921.D (-1837) (-)

Ion 134.00 (133.70 to 134.70): VX007921.D (-1837) (-)

Time-->



#86

Hexachloroethane

Concen: 4.646 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX007920.D

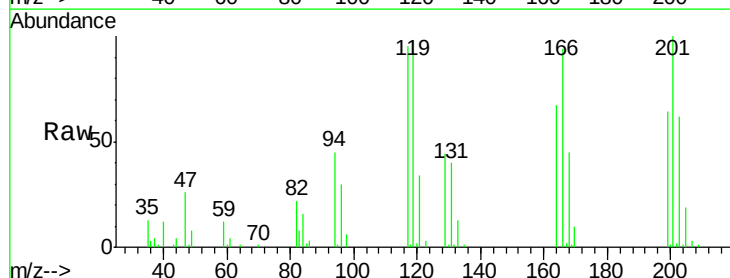
Acq: 08 Mar 2019 09:54

Tgt Ion: 117 Resp: 9175

Ion Ratio Lower Upper

117 100

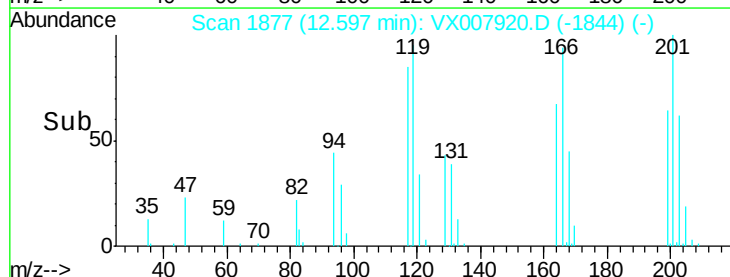
201 100.1 41.1 123.3

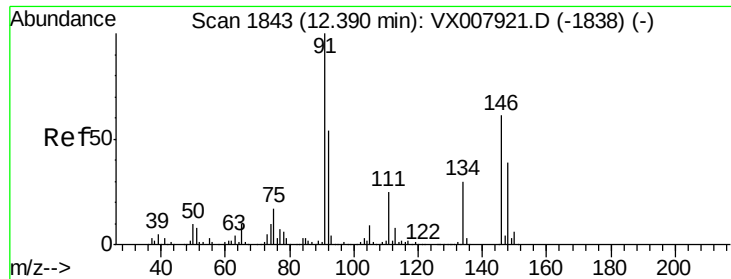


Abundance Ion 117.00 (116.70 to 117.70): VX007921.D (-1871) (-)

Ion 201.00 (200.70 to 201.70): VX007921.D (-1871) (-)

Time-->

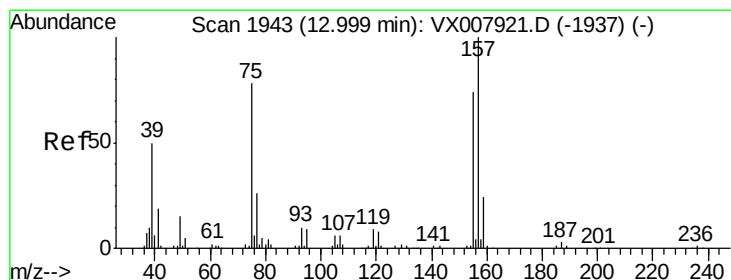
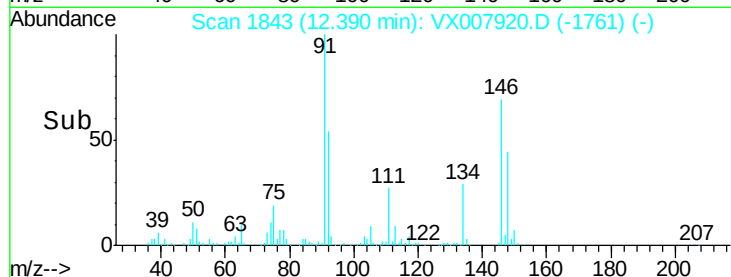
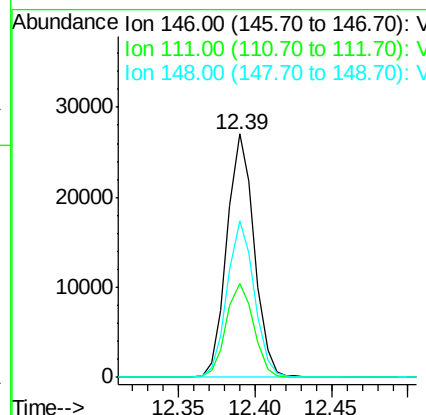
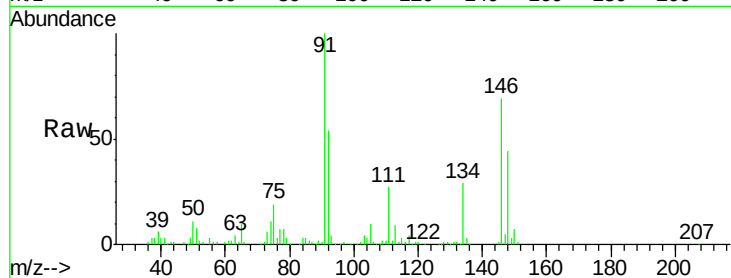




#87
 1,2-Dichlorobenzene
 Concen: 5.264 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX007920.D
 Acq: 08 Mar 2019 09:54

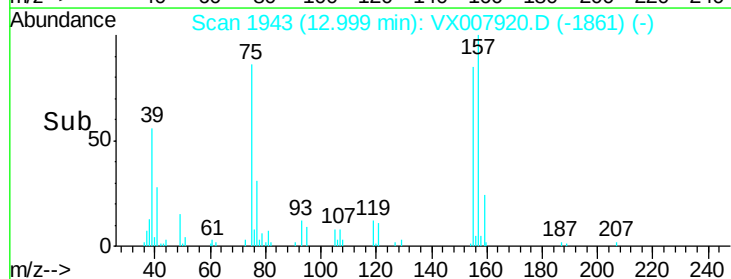
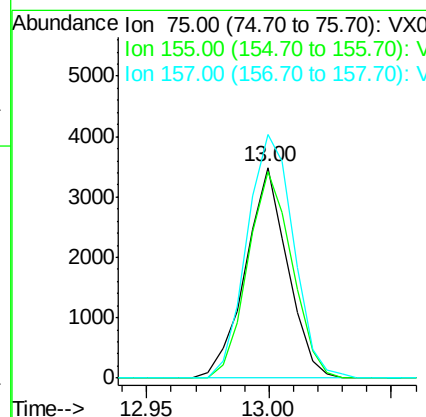
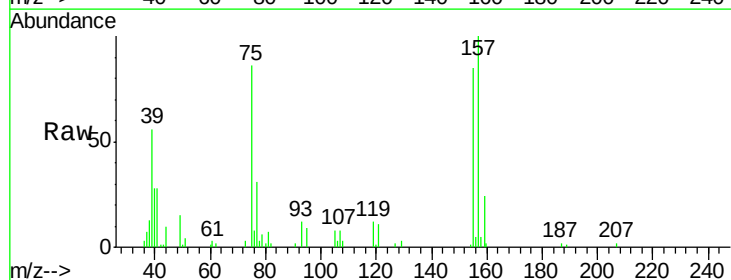
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

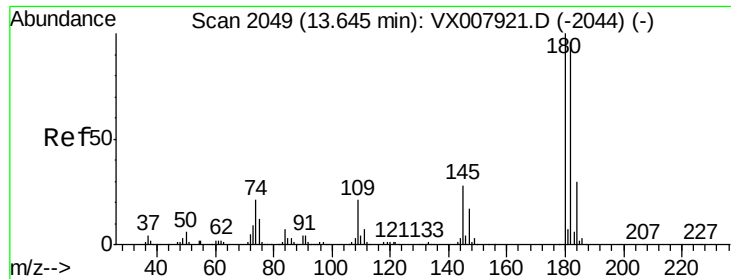
Tot Ion:146 Resp: 33556
 Ion Ratio Lower Upper
 146 100
 111 39.0 19.3 57.8
 148 63.8 32.1 96.3



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 4.539 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX007920.D
 Acq: 08 Mar 2019 09:54

Tgt Ion: 75 Resp: 4173
 Ion Ratio Lower Upper
 75 100
 155 102.7 81.0 121.6
 157 128.2 103.2 154.8

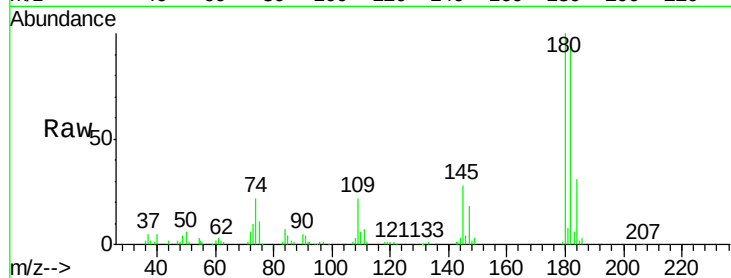




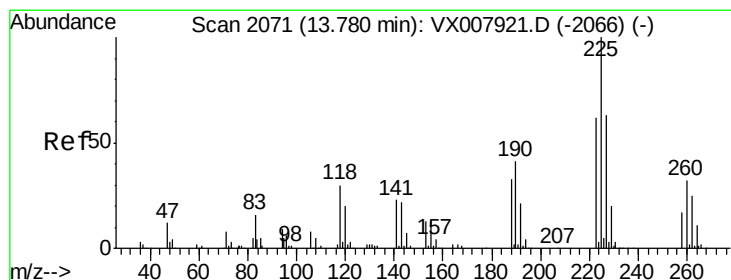
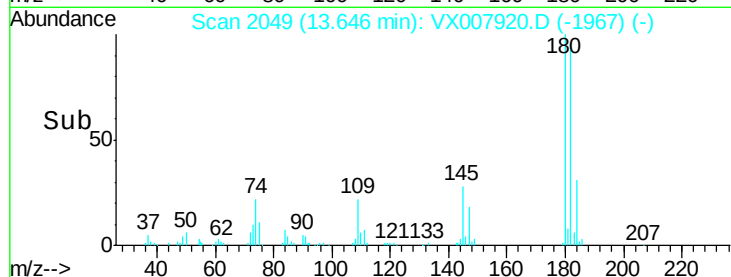
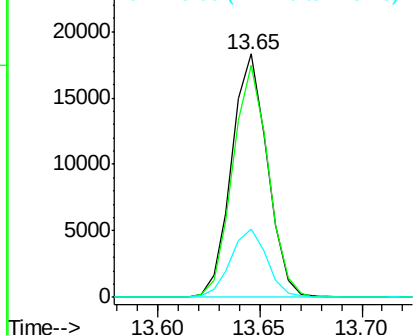
#89
 1,2,4-Trichlorobenzene
 Concen: 4.847 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX007920.D
 Acq: 08 Mar 2019 09:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion:180 Resp: 22207
 Ion Ratio Lower Upper
 180 100
 182 95.1 75.6 113.4
 145 28.5 23.0 34.6

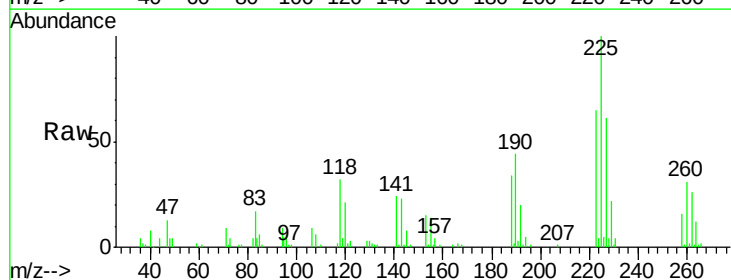


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

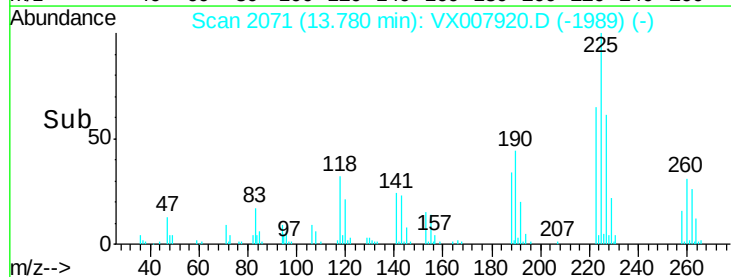
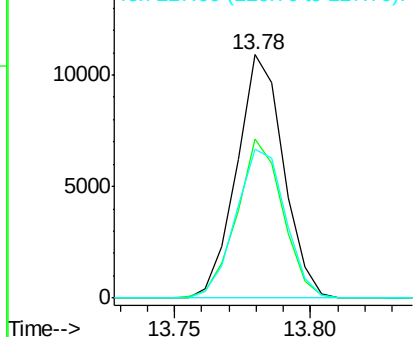


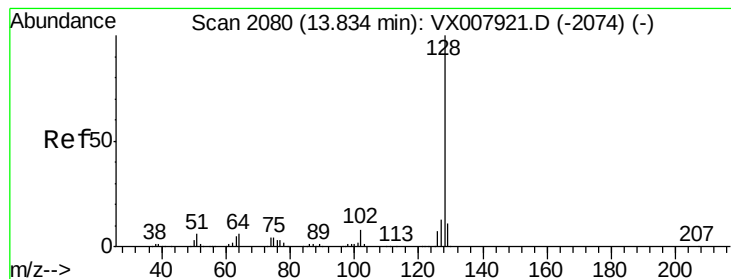
#90
 Hexachlorobutadiene
 Concen: 5.151 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX007920.D
 Acq: 08 Mar 2019 09:54

Tgt Ion:225 Resp: 13015
 Ion Ratio Lower Upper
 225 100
 223 64.0 0.0 123.8
 227 64.8 0.0 124.4



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





#91

Naphthalene

Concen: 4.550 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX007920.D

Acq: 08 Mar 2019 09:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

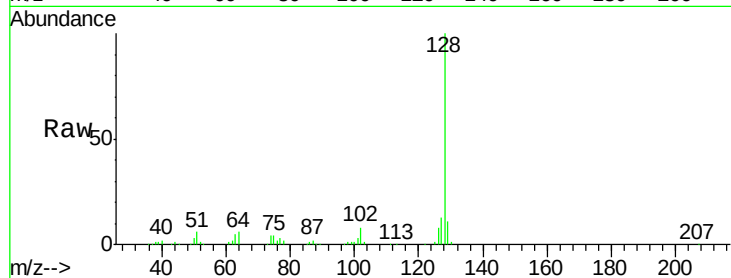
Tot Ion:128 Resp: 59747

Ion Ratio Lower Upper

128 100

127 13.2 10.5 15.7

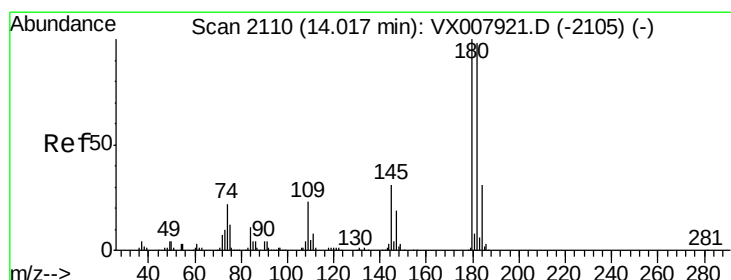
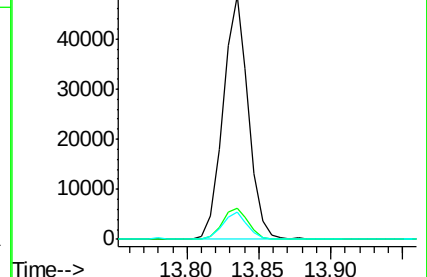
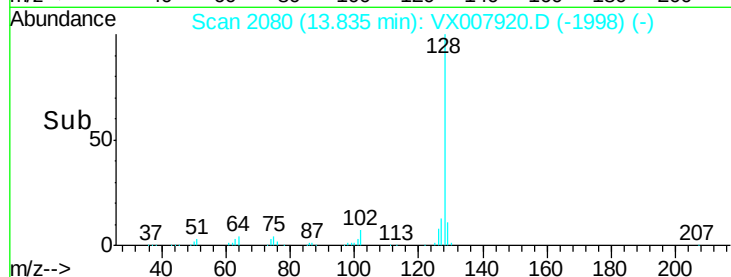
129 10.9 8.9 13.3



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



#92

1,2,3-Trichlorobenzene

Concen: 4.871 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX007920.D

Acq: 08 Mar 2019 09:54

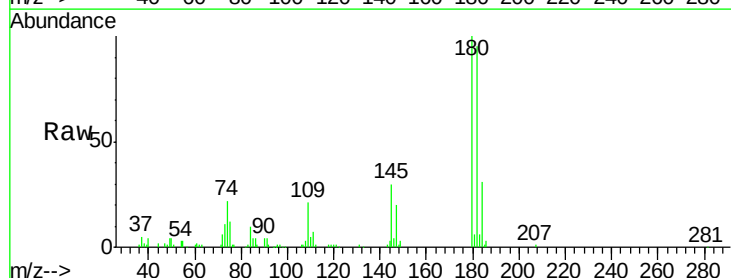
Tgt Ion:180 Resp: 22182

Ion Ratio Lower Upper

180 100

182 95.8 0.0 193.0

145 30.6 0.0 63.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

