

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX021219\
 Data File : VX007483.D
 Acq On : 12 Feb 2019 12:25
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Quant Time: Feb 13 01:31:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X012519W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jan 28 10:35:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	76111	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	399553	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	370050	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	144151	28.85	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	96.17%
60) 4-Bromofluorobenzene	11.13	95	175196	30.67	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	102.23%
63) Toluene-d8	8.71	98	497307	29.81	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.37%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	59912	17.537	ug/l 98
3) Chloromethane	1.33	50	66212	17.335	ug/l 96
4) Vinyl Chloride	1.41	62	76552	17.662	ug/l 96
5) Bromomethane	1.64	94	57694	12.771	ug/l 98
6) Chloroethane	1.73	64	52918	18.116	ug/l 100
7) Trichlorofluoromethane	1.93	101	135521	18.520	ug/l 96
8) Diethyl Ether	2.19	74	51018	18.444	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	82015	18.976	ug/l 97
10) 1,1-Dichloroethene	2.38	96	72416	18.435	ug/l 99
11) Methyl Iodide	2.51	142	67255	10.553	ug/l 95
12) Methyl Acetate	2.78	43	128872	19.264	ug/l 98
13) Acrolein	2.29	56	48760	100.676	ug/l 98
14) Acrylonitrile	3.15	53	235285	93.939	ug/l 98
15) Acetone	2.45	58	86592	121.631	ug/l 89
16) Carbon Disulfide	2.57	76	171305	18.085	ug/l 97
17) Allyl chloride	2.73	41	124939	18.293	ug/l 97
18) Methylene Chloride	2.86	84	82615	18.247	ug/l 97
19) trans-1,2-Dichloroethene	3.17	96	76220	17.919	ug/l 95
20) Diisopropyl ether	3.87	45	238556	18.761	ug/l 98
21) 1,1-Dichloroethane	3.70	63	135300	18.630	ug/l 97
22) cis-1,2-Dichloroethene	4.60	96	89079	19.043	ug/l 97
23) tert-Butyl Alcohol	3.06	59	102504	97.384	ug/l # 100
24) Methyl tert-Butyl Ether	3.20	73	253932	18.455	ug/l 100
25) Chloroform	5.21	83	143659	19.139	ug/l 98
26) Cyclohexane	5.57	56	112073	18.323	ug/l # 99
29) 1,1-Dichloropropene	5.79	75	100836	19.360	ug/l 99
30) 2-Butanone	4.70	43	337362	108.399	ug/l # 98
31) 2,2-Dichloropropane	4.59	77	102876	19.550	ug/l 99
32) 1,1,1-Trichloroethane	5.49	97	119276	19.377	ug/l 99
33) Carbon Tetrachloride	5.79	117	104960	19.397	ug/l 97
34) Benzene	6.14	78	312385	19.444	ug/l 99
35) Methacrylonitrile	5.06	41	60061	18.906	ug/l 95
36) 1,2-Dichloroethane	6.20	62	108792	19.624	ug/l 100
37) Trichloroethene	7.21	130	93050	19.643	ug/l 100
38) Methylcyclohexane	7.46	83	123991	18.783	ug/l 99
39) 1,2-Dichloropropane	7.51	63	78153	19.397	ug/l 97
40) Dibromomethane	7.66	93	56791	19.568	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	101879	20.002	ug/l	93
42) Vinyl Acetate	3.82	43	991306	93.944	ug/l	100
43) Ethyl Acetate	4.85	43	108101	18.615	ug/l	96
44) Isopropyl Acetate	6.46	43	170978	18.851	ug/l	98
45) 1,4-Dioxane	7.75	88	43425	395.098	ug/l	98
46) Methyl methacrylate	7.77	41	87976	18.970	ug/l	99
47) n-amyl Acetate	10.90	43	157600	19.762	ug/l	99
48) t-1,3-Dichloropropene	9.04	75	108104	19.459	ug/l	100
49) cis-1,3-Dichloropropene	8.43	75	117848	19.095	ug/l	97
50) 1,1,2-Trichloroethane	9.21	97	86612	19.883	ug/l	97
51) Ethyl methacrylate	9.18	69	120563	19.370	ug/l	93
52) 1,3-Dichloropropane	9.37	76	138258	19.822	ug/l	98
53) Dibromochloromethane	9.58	129	87276	19.823	ug/l	98
54) 1,2-Dibromoethane	9.67	107	91857	19.588	ug/l	100
55) 2-Chloroethyl vinyl ether	8.31	63	327411	95.621	ug/l	99
56) Bromoform	10.85	173	64278	19.227	ug/l	99
58) 4-Methyl-2-Pentanone	8.65	43	606872	98.074	ug/l	99
59) 2-Hexanone	9.49	43	484690	101.220	ug/l	97
61) Tetrachloroethene	9.34	164	97586	18.919	ug/l	98
62) Toluene	8.78	91	359126	19.280	ug/l	100
64) Chlorobenzene	10.13	112	238525	19.412	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.22	131	86654	19.909	ug/l	95
66) Ethyl Benzene	10.25	91	393362	19.492	ug/l	97
67) m/p-Xylenes	10.36	106	314199	39.424	ug/l	97
68) o-Xylene	10.69	106	149919	19.203	ug/l	99
69) Styrene	10.71	104	244043	19.376	ug/l	100
70) Isopropylbenzene	11.02	105	412048	19.936	ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.27	83	136169	20.577	ug/l	100
72) 1,2,3-Trichloropropane	11.29	75	148839	23.922	ug/l	93
73) Bromobenzene	11.26	156	108134	18.902	ug/l	96
74) n-propylbenzene	11.36	91	458674	19.719	ug/l	99
75) 2-Chlorotoluene	11.42	91	272903	19.784	ug/l	98
76) 1,3,5-Trimethylbenzene	11.51	105	333993	19.361	ug/l	99
77) t-1,4-Dichloro-2-butene	11.07	75	33516	18.541	ug/l	91
78) 4-Chlorotoluene	11.51	91	304343	18.949	ug/l	97
79) tert-butylbenzene	12.06	119	370456	19.848	ug/l	98
80) 1,2,4-Trimethylbenzene	11.80	105	341021	19.524	ug/l	99
81) sec-Butylbenzene	11.94	105	414197	19.913	ug/l	100
82) p-Isopropyltoluene	12.06	119	370456	19.848	ug/l	98
83) 1,3-Dichlorobenzene	12.02	146	200068	19.674	ug/l	98
84) 1,4-Dichlorobenzene	12.10	146	201562	19.811	ug/l	99
85) n-Butylbenzene	12.39	91	306984	19.165	ug/l	99
86) Hexachloroethane	12.60	117	57340	19.870	ug/l	98
87) 1,2-Dichlorobenzene	12.39	146	202186	19.968	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	13.00	75	26810	19.877	ug/l	99
89) 1,2,4-Trichlorobenzene	13.65	180	136134	19.583	ug/l	99
90) Hexachlorobutadiene	13.78	225	65870	19.868	ug/l	99
91) Naphthalene	13.83	128	414921	19.718	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	135875	19.713	ug/l	96

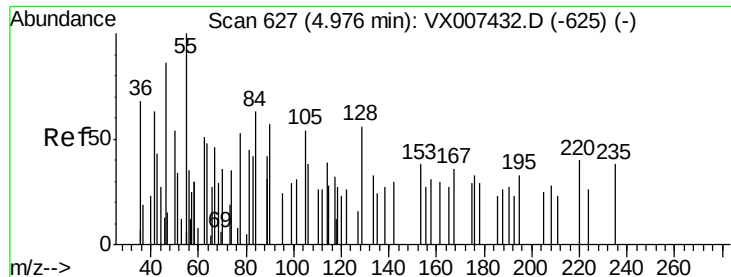
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.02 min Scan# 634

Delta R.T. 0.00 min

Lab File: VX007483.D

Acq: 12 Feb 2019 12:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

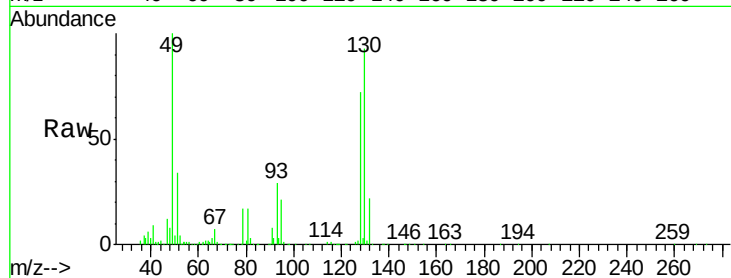
Tot Ion:128 Resp: 76111

Ion Ratio Lower Upper

128 100

49 135.6 0.0 345.5

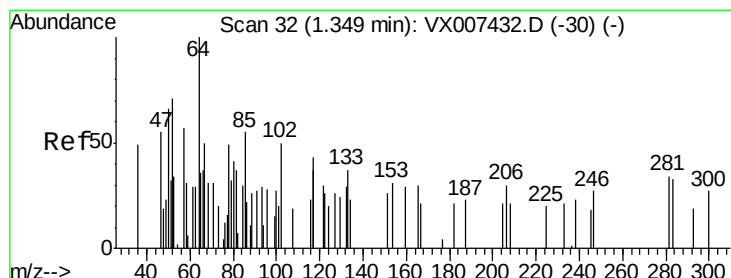
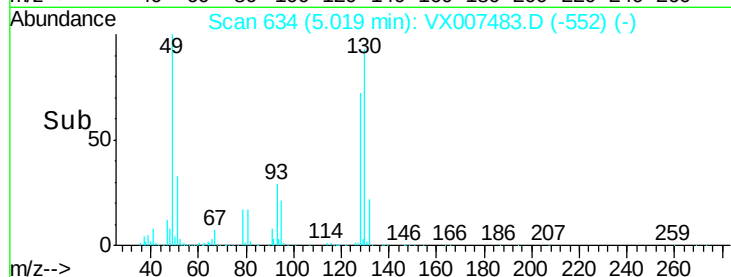
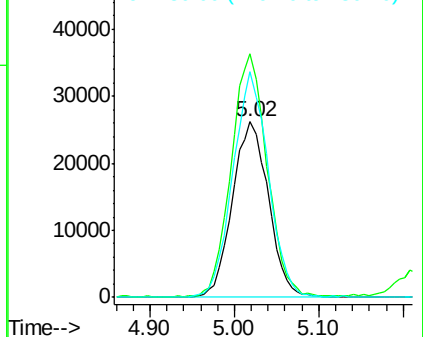
130 126.1 0.0 320.0



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: 17.537 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX007483.D

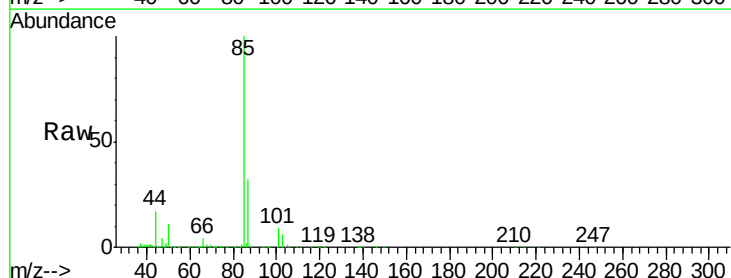
Acq: 12 Feb 2019 12:25

Tgt Ion: 85 Resp: 59912

Ion Ratio Lower Upper

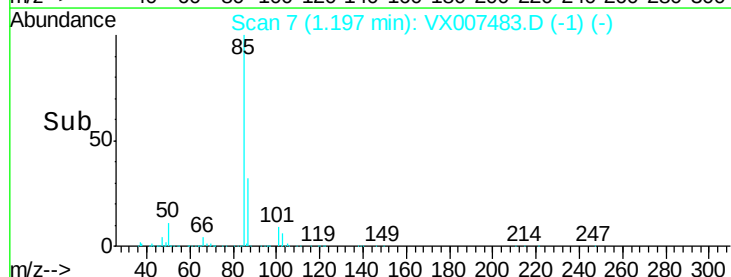
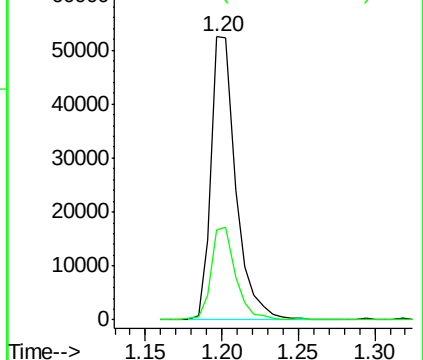
85 100

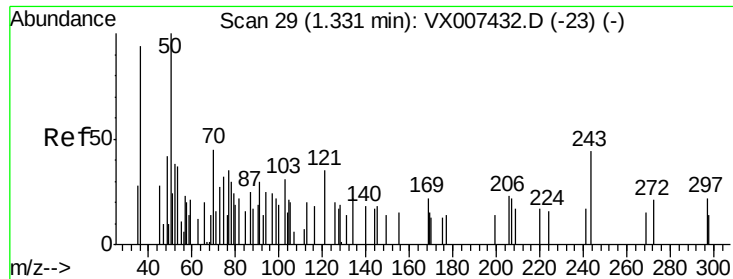
87 31.8 16.4 49.1



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 17.335 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007483.D

Acq: 12 Feb 2019 12:25

Instrument :

MSVOA_X

ClientSampleId :

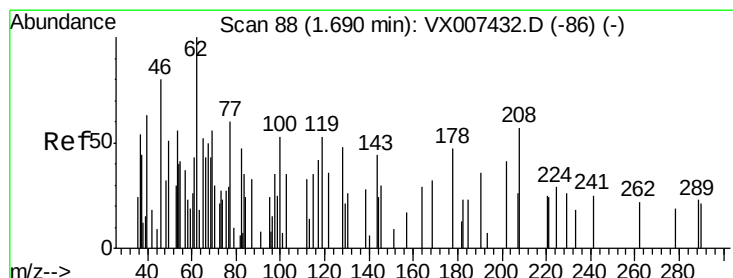
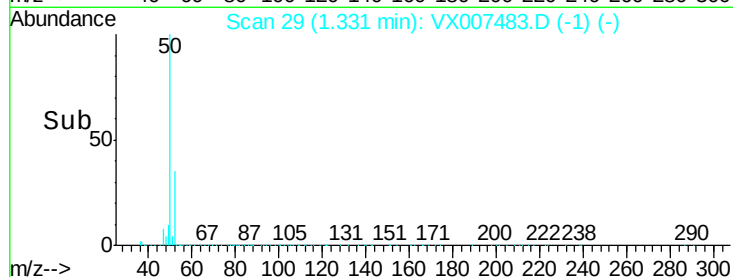
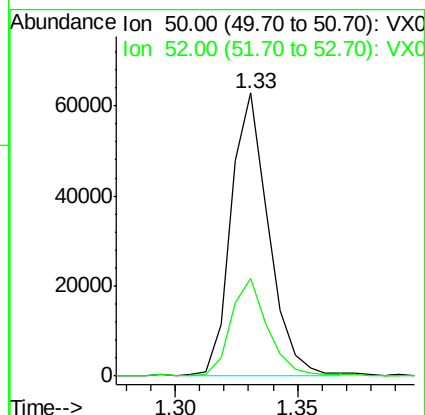
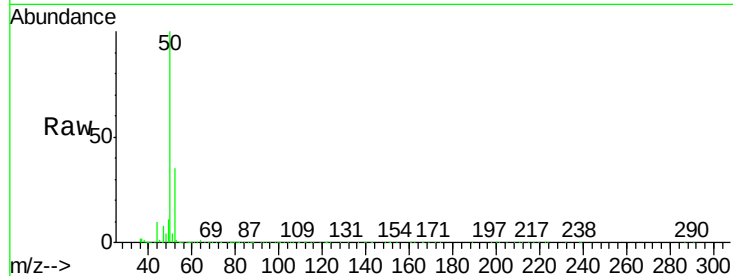
VSTDCCC020

Tot Ion: 50 Resp: 66212

Ion Ratio Lower Upper

50 100

52 34.5 25.7 38.5



#4

Vinyl Chloride

Concen: 17.662 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX007483.D

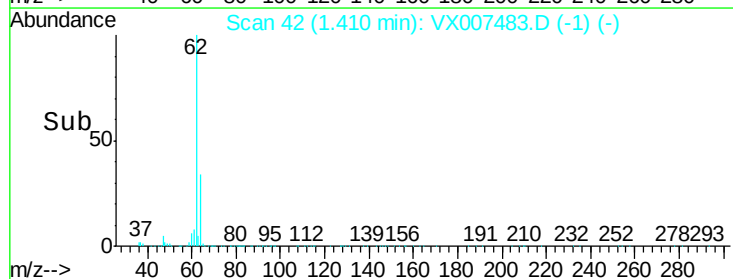
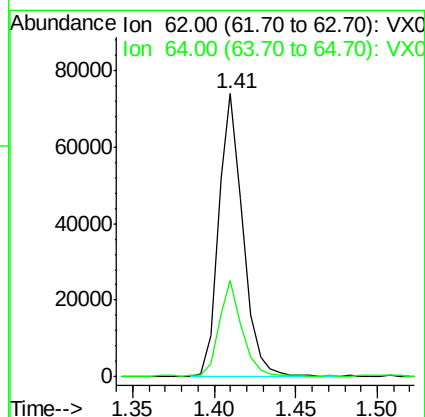
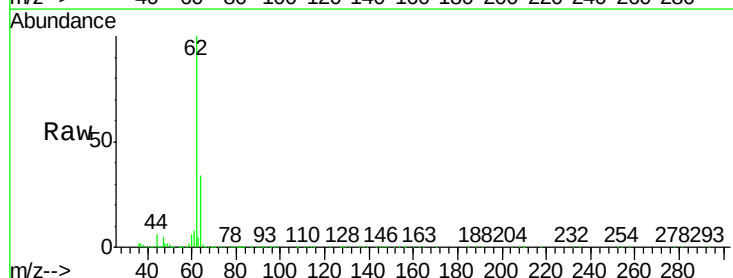
Acq: 12 Feb 2019 12:25

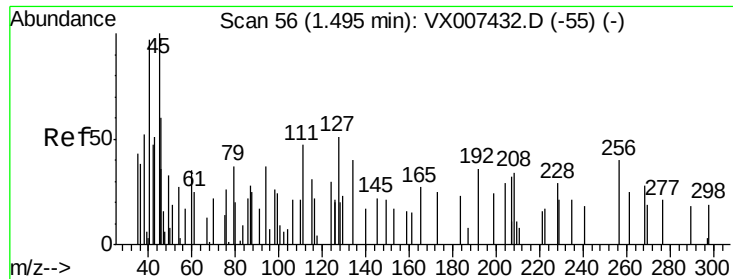
Tgt Ion: 62 Resp: 76552

Ion Ratio Lower Upper

62 100

64 34.2 25.5 38.3

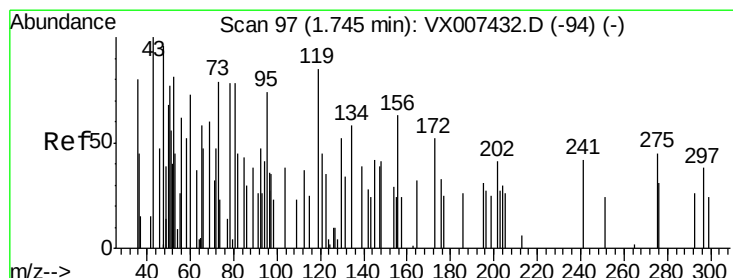
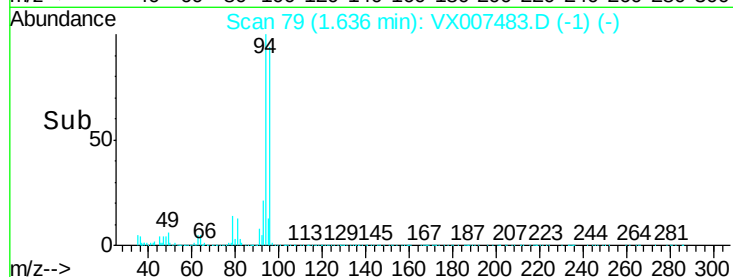
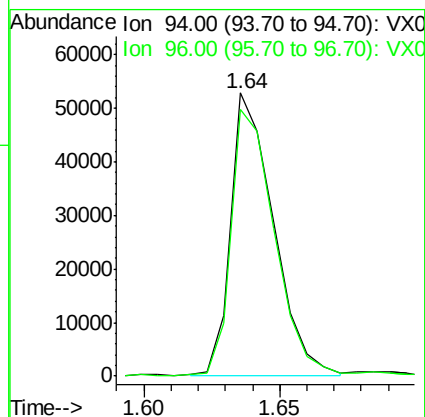
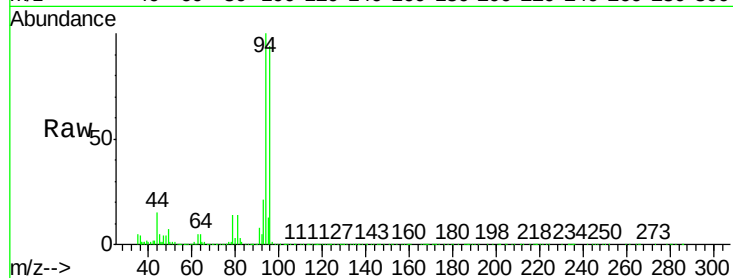




#5
Bromomethane
Concen: 12.771 ug/l
RT: 1.64 min Scan# 79
Delta R.T. -0.01 min
Lab File: VX007483.D
Acq: 12 Feb 2019 12:25

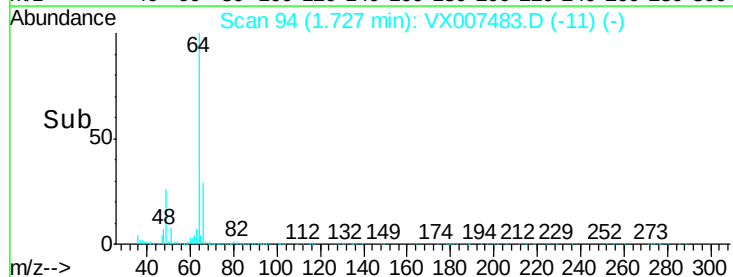
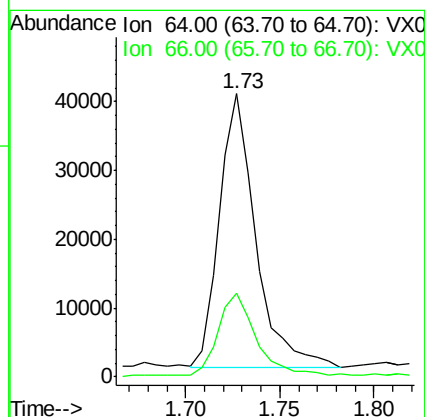
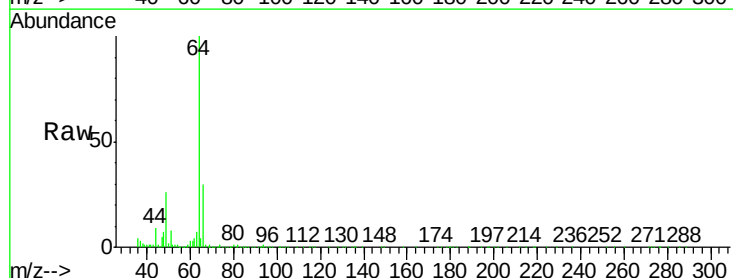
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

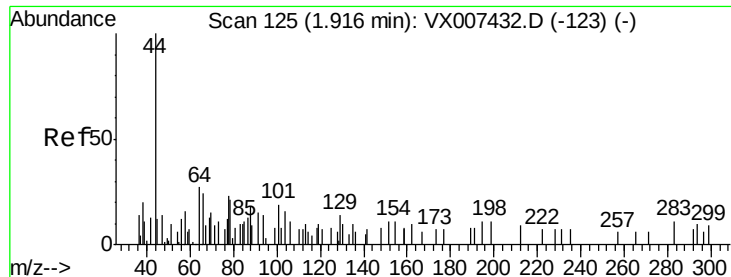
Tot Ion: 94 Resp: 57694
Ion Ratio Lower Upper
94 100
96 94.5 77.4 116.2



#6
Chloroethane
Concen: 18.116 ug/l
RT: 1.73 min Scan# 94
Delta R.T. 0.01 min
Lab File: VX007483.D
Acq: 12 Feb 2019 12:25

Tgt Ion: 64 Resp: 52918
Ion Ratio Lower Upper
64 100
66 30.3 24.2 36.2



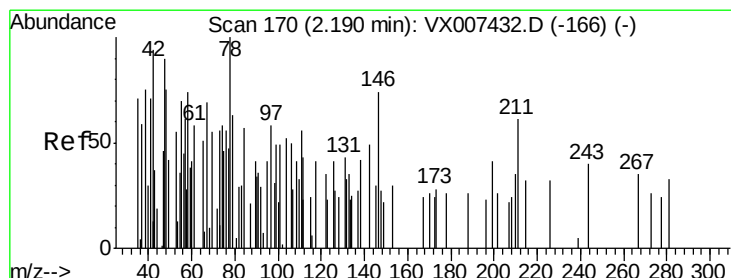
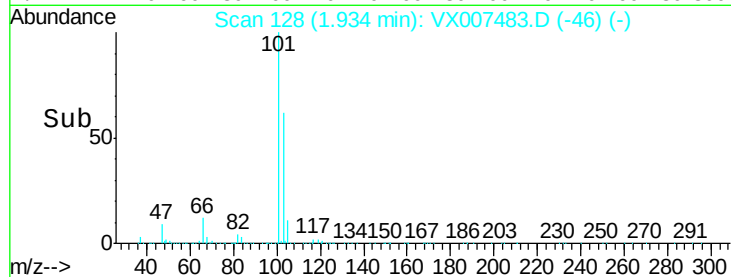
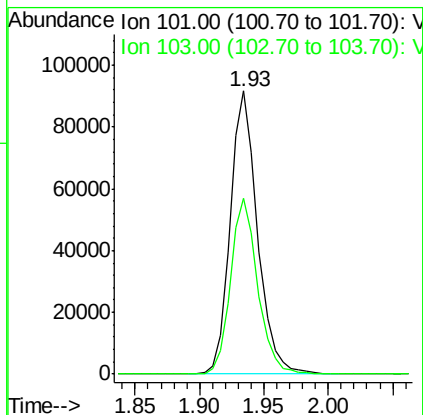
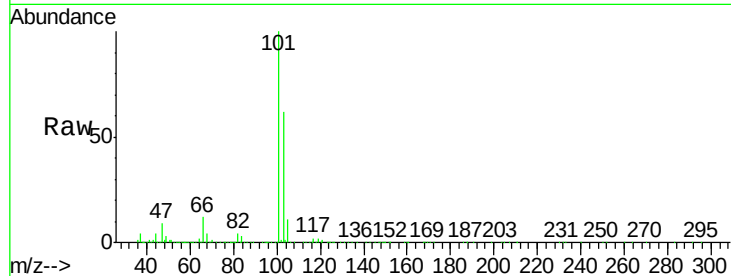


#7

Trichlorofluoromethane
 Concen: 18.520 ug/l
 RT: 1.93 min Scan# 128
 Delta R.T. 0.00 min
 Lab File: VX007483.D
 Acq: 12 Feb 2019 12:25

Instrument :
 MSVOA_X
 ClientSampleId :
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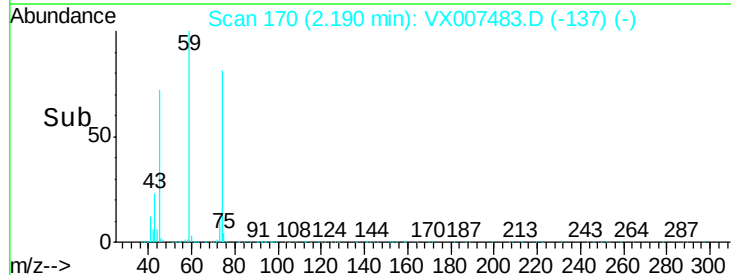
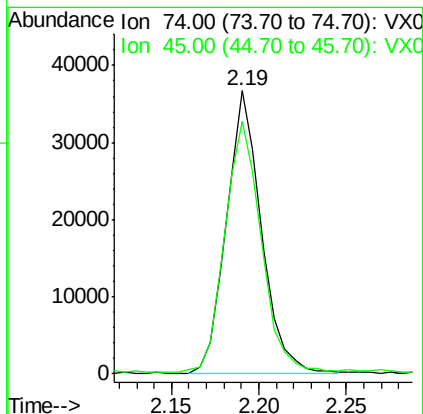
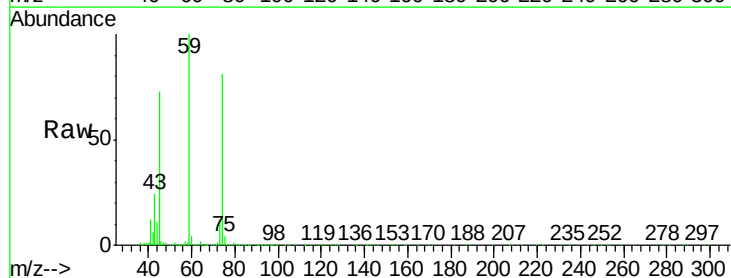
Tot Ion:101 Resp: 135521
 Ion Ratio Lower Upper
 101 100
 103 62.2 52.6 78.8

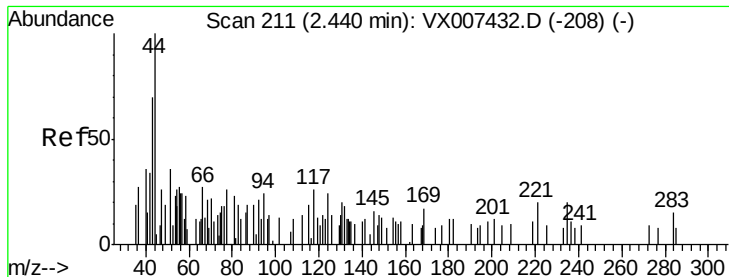


#8

Diethyl Ether
 Concen: 18.444 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.00 min
 Lab File: VX007483.D
 Acq: 12 Feb 2019 12:25

Tgt Ion: 74 Resp: 51018
 Ion Ratio Lower Upper
 74 100
 45 92.5 18.6 167.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.976 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX007483.D

Acq: 12 Feb 2019 12:25

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC020

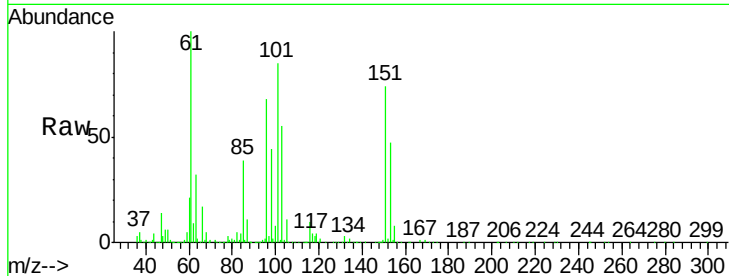
Tot Ion:101 Resp: 82015

Ion Ratio Lower Upper

101 100

85 42.8 0.0 87.4

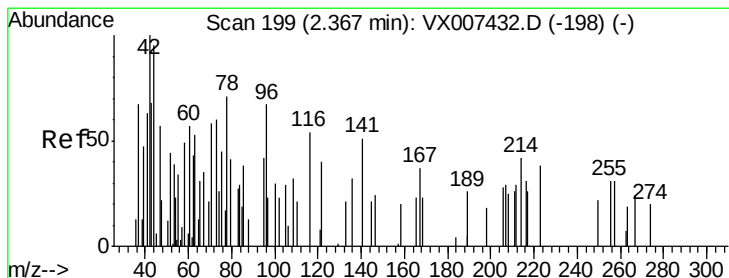
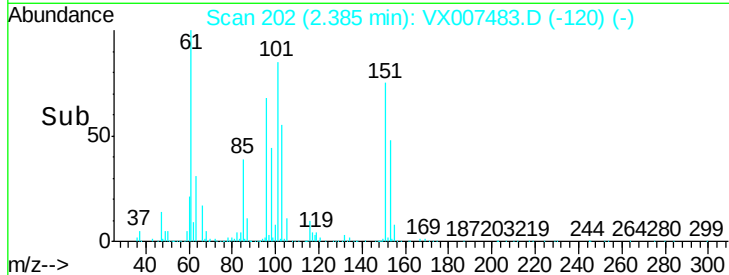
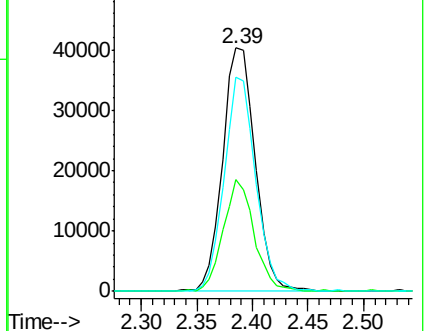
151 84.8 0.0 176.4



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: 18.435 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX007483.D

Acq: 12 Feb 2019 12:25

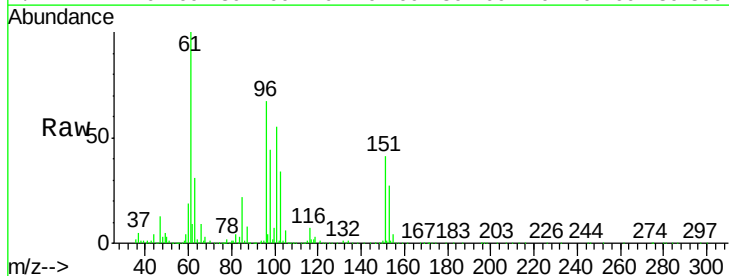
Tgt Ion: 96 Resp: 72416

Ion Ratio Lower Upper

96 100

61 149.5 119.6 179.4

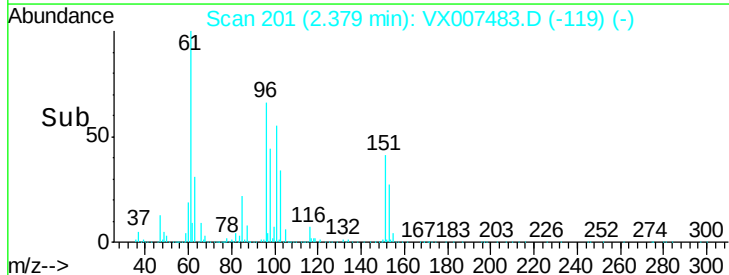
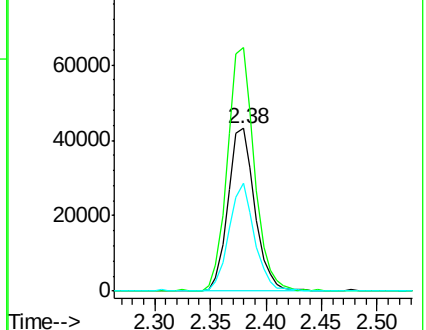
98 65.9 50.9 76.3

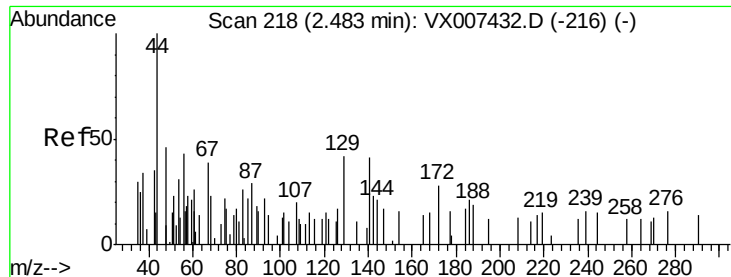


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

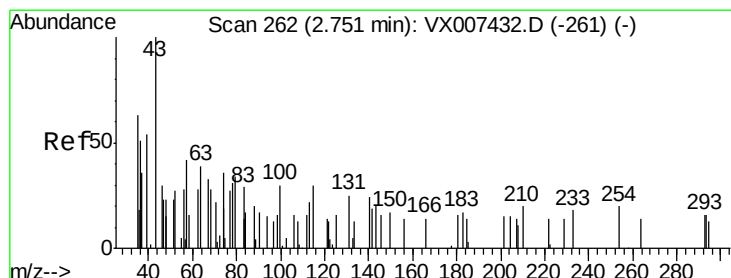
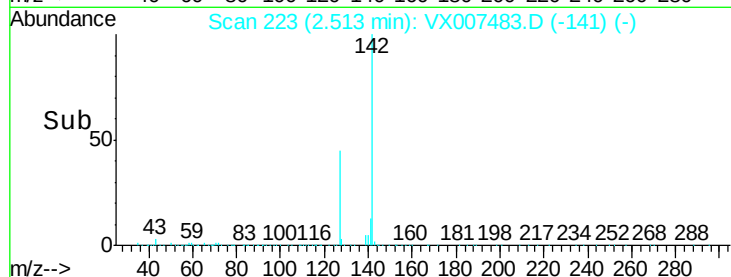
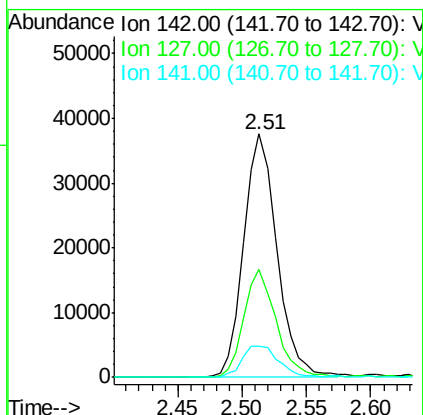
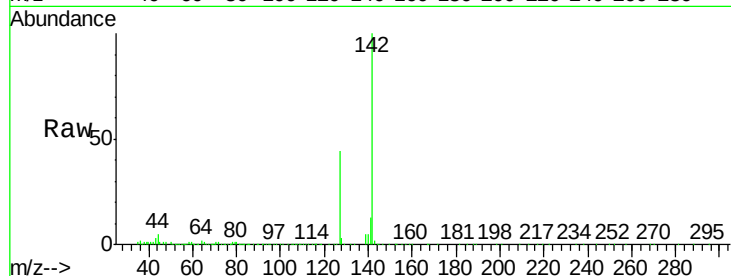




#11
Methyl Iodide
Concen: 10.553 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.00 min
Lab File: VX007483.D
Acq: 12 Feb 2019 12:25

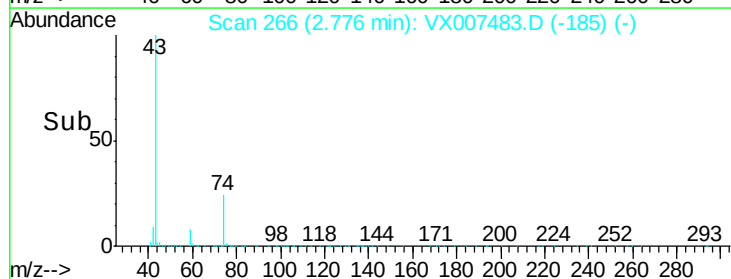
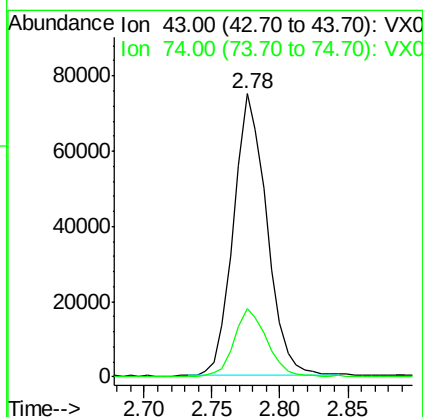
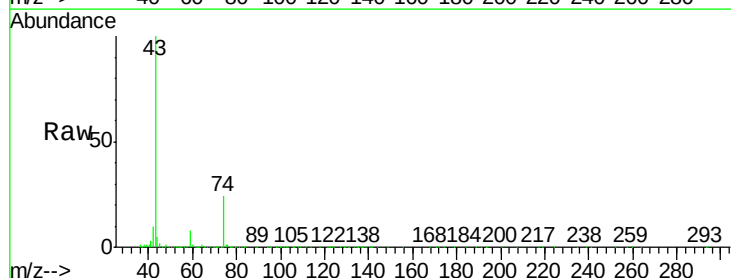
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

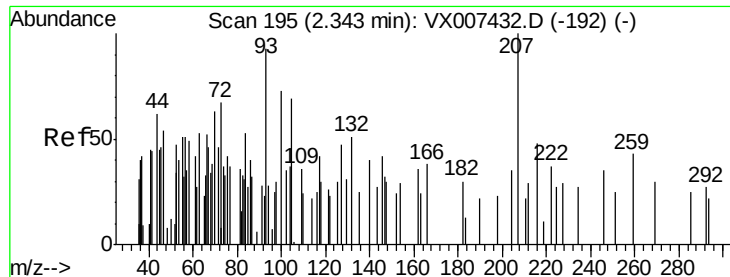
Tot Ion:142 Resp: 67255
Ion Ratio Lower Upper
142 100
127 44.3 20.0 59.9
141 12.7 6.3 19.1



#12
Methyl Acetate
Concen: 19.264 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX007483.D
Acq: 12 Feb 2019 12:25

Tgt Ion: 43 Resp: 128872
Ion Ratio Lower Upper
43 100
74 23.9 19.8 29.8





#13

Acrolein

Concen: 100.676 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.01 min

Lab File: VX007483.D

Acq: 12 Feb 2019 12:25

Instrument :

MSVOA_X

ClientSampleId :

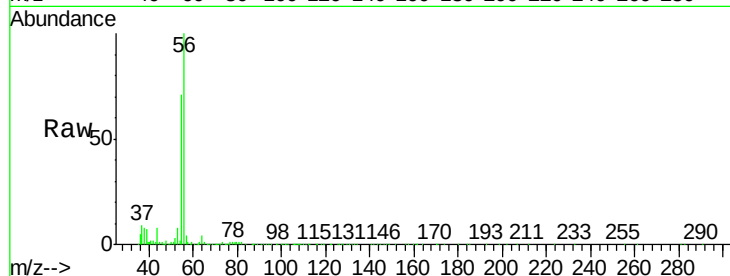
VSTDCCC020

Tot Ion: 56 Resp: 48760

Ion Ratio Lower Upper

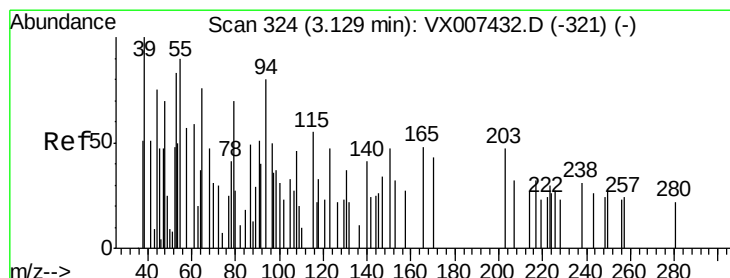
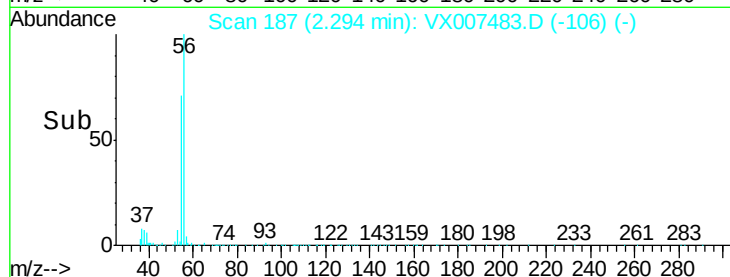
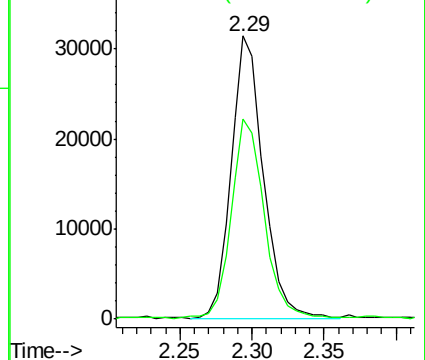
56 100

55 71.6 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: 93.939 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX007483.D

Acq: 12 Feb 2019 12:25

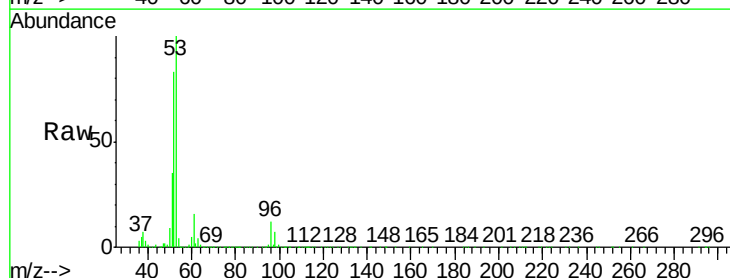
Tgt Ion: 53 Resp: 235285

Ion Ratio Lower Upper

53 100

52 80.2 41.3 124.1

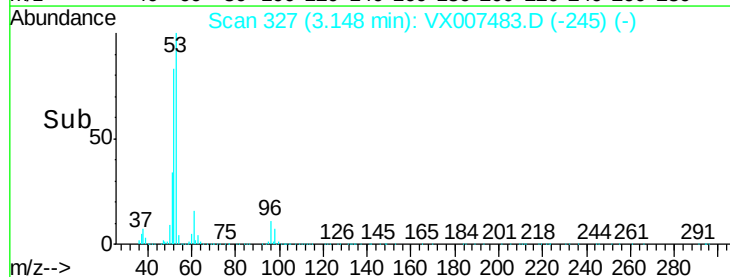
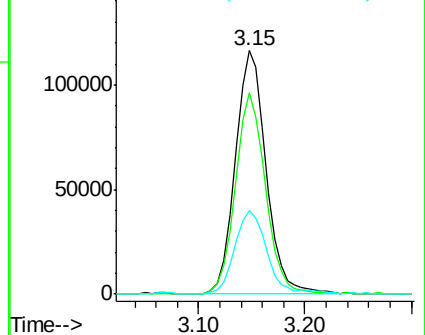
51 34.9 17.9 53.8

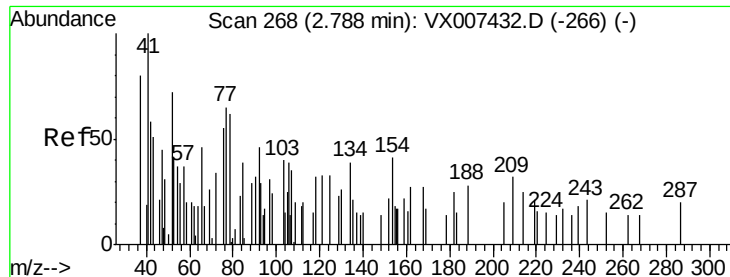


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#15

Acetone

Concen: 121.631 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX007483.D

Acq: 12 Feb 2019 12:25

Instrument :

MSVOA_X

ClientSampleId :

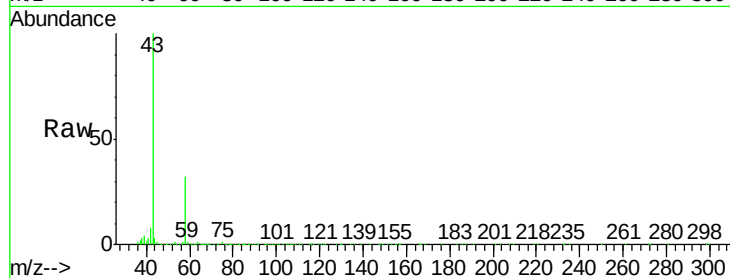
VSTDCCC020

Tot Ion: 58 Resp: 86592

Ion Ratio Lower Upper

58 100

43 310.3 265.9 398.9



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

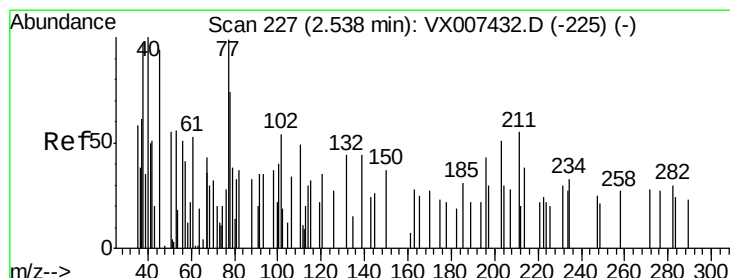
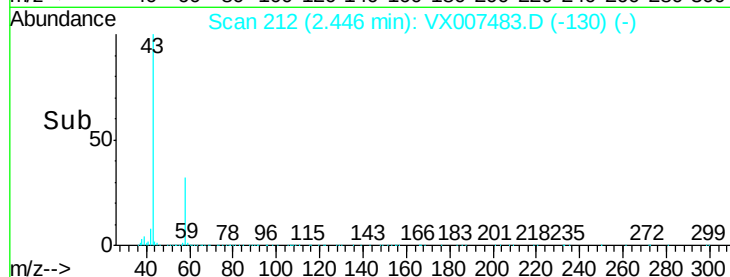
150000

100000

50000

0

Time--> 2.35 2.40 2.45 2.50 2.55



#16

Carbon Disulfide

Concen: 18.085 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX007483.D

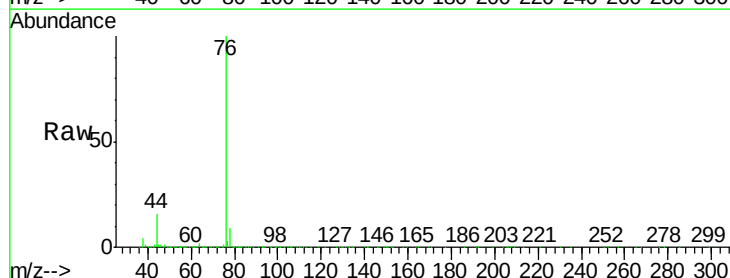
Acq: 12 Feb 2019 12:25

Tgt Ion: 76 Resp: 171305

Ion Ratio Lower Upper

76 100

78 8.5 7.7 11.5



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0

120000

100000

80000

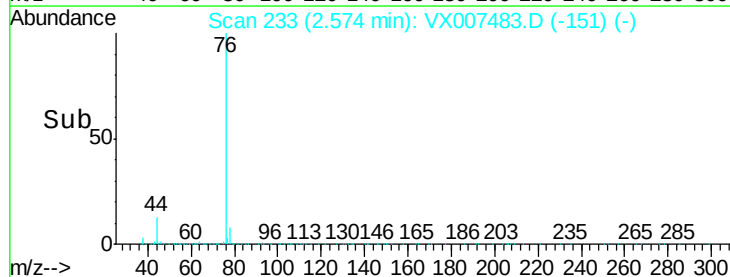
60000

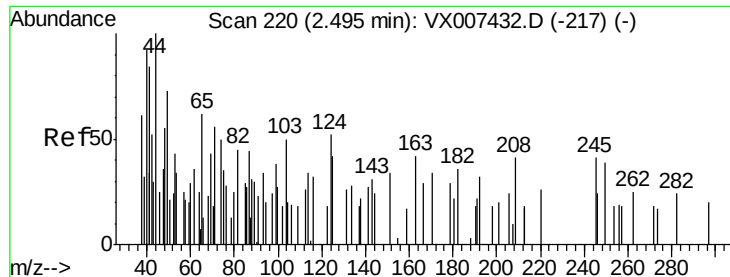
40000

20000

0

Time--> 2.50 2.55 2.60 2.65 2.70





#17

Allvl chloride

Concen: 18.293 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.01 min

Lab File: VX007483.D

Acq: 12 Feb 2019 12:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

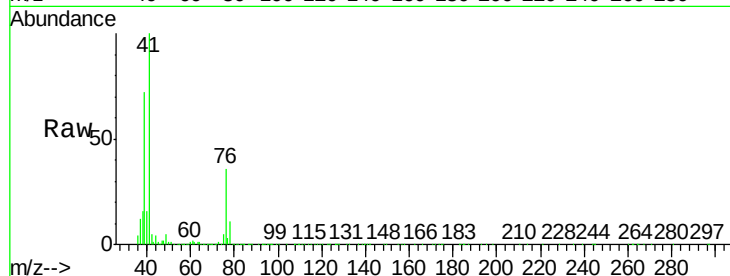
Tot Ion: 41 Resp: 124939

Ion Ratio Lower Upper

41 100

39 72.2 37.0 111.0

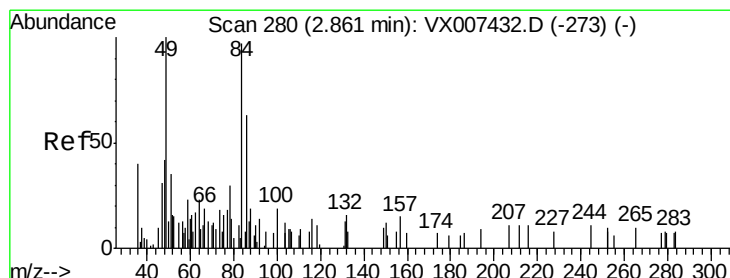
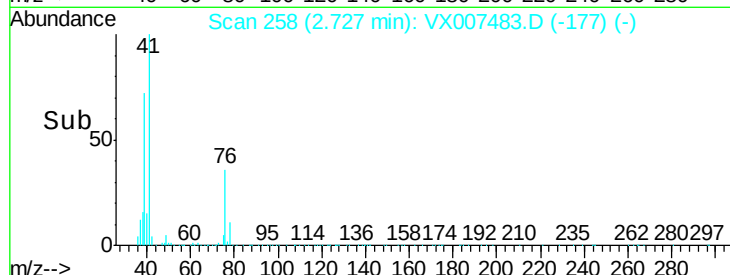
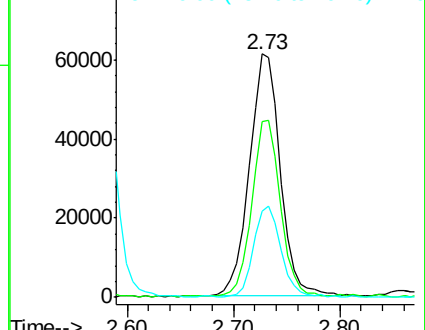
76 35.8 19.3 57.8



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 76.00 (75.70 to 76.70): VX0



#18

Methylene Chloride

Concen: 18.247 ug/l

RT: 2.86 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX007483.D

Acq: 12 Feb 2019 12:25

Tgt Ion: 84 Resp: 82615

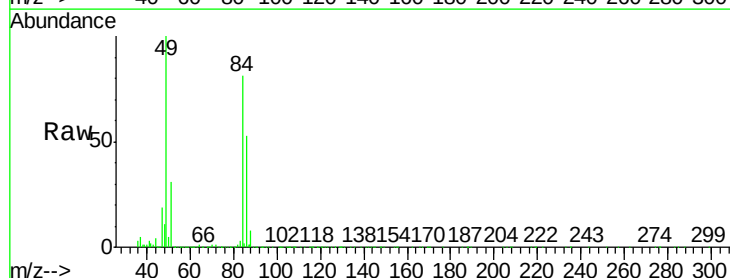
Ion Ratio Lower Upper

84 100

49 123.8 98.4 147.6

51 38.8 28.9 43.3

86 65.6 56.1 84.1

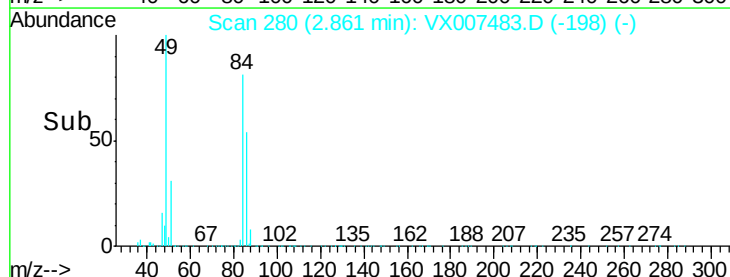
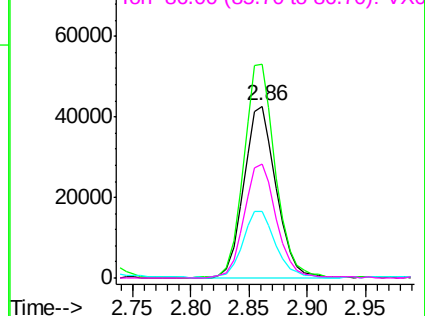


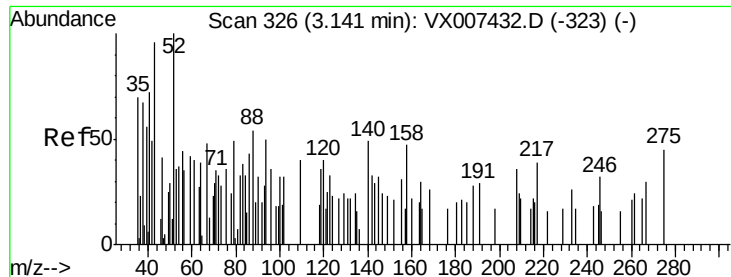
Abundance Ion 84.00 (83.70 to 84.70): VX0

Ion 49.00 (48.70 to 49.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

Ion 86.00 (85.70 to 86.70): VX0





#19

trans-1,2-Dichloroethene

Concen: 17.919 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX007483.D

Acq: 12 Feb 2019 12:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

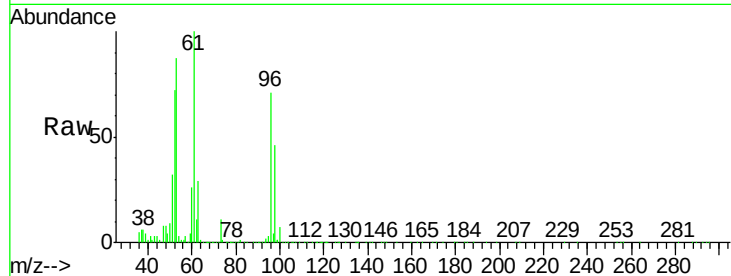
Tot Ion: 96 Resp: 76220

Ion Ratio Lower Upper

96 100

61 139.6 107.8 161.6

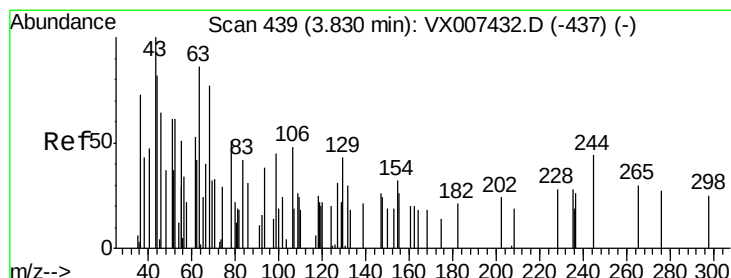
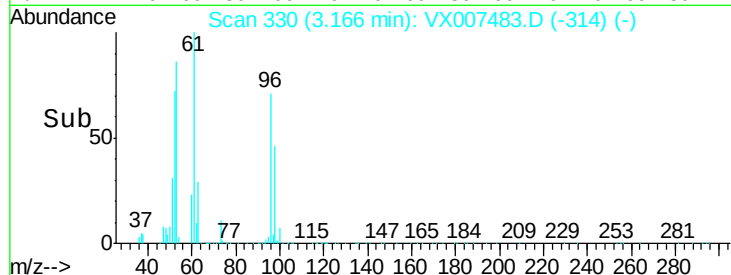
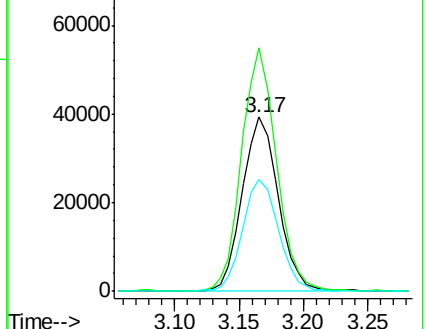
98 64.3 54.9 82.3



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: 18.761 ug/l

RT: 3.87 min Scan# 445

Delta R.T. 0.00 min

Lab File: VX007483.D

Acq: 12 Feb 2019 12:25

Tgt Ion: 45 Resp: 238556

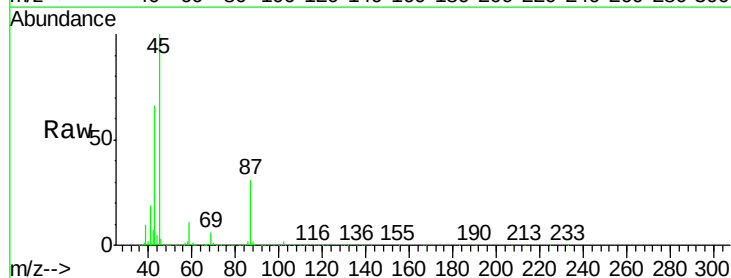
Ion Ratio Lower Upper

45 100

43 64.8 53.1 79.7

87 31.3 23.7 35.5

59 11.3 9.0 13.4

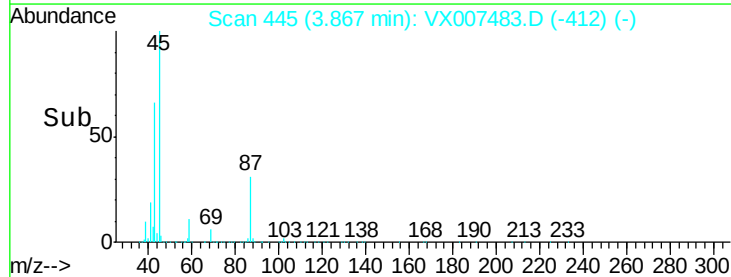
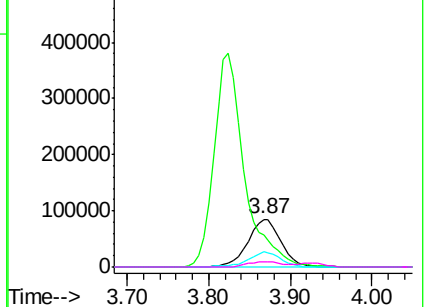


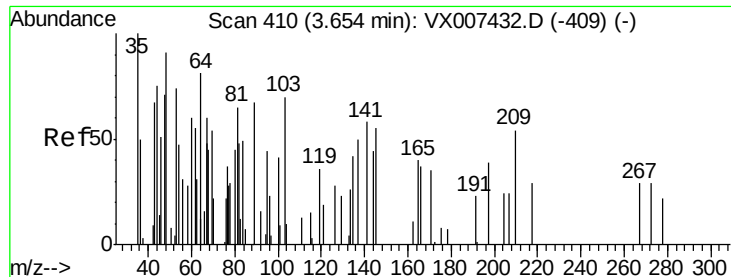
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 18.630 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX007483.D

Acq: 12 Feb 2019 12:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

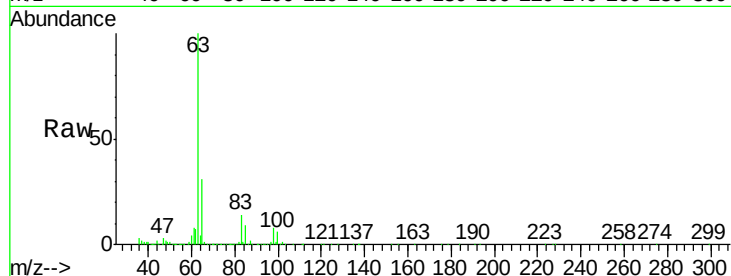
Tot Ion: 63 Resp: 135300

Ion Ratio Lower Upper

63 100

98 7.4 3.3 9.9

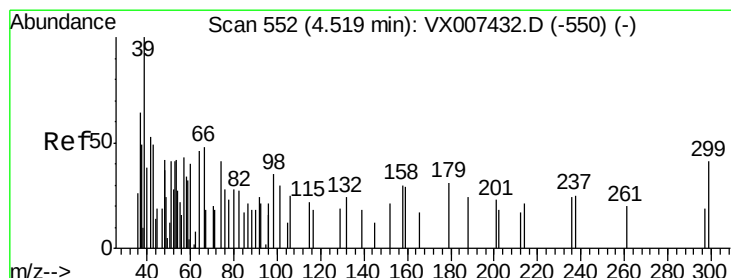
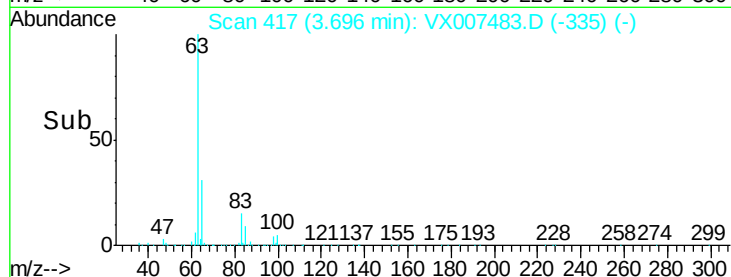
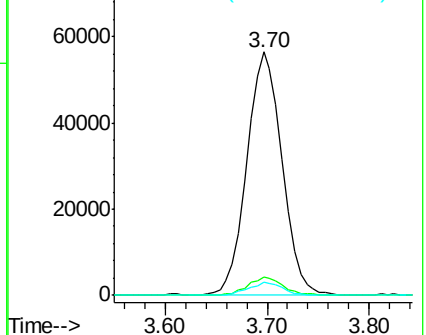
100 5.5 2.1 6.2



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: 19.043 ug/l

RT: 4.60 min Scan# 565

Delta R.T. 0.00 min

Lab File: VX007483.D

Acq: 12 Feb 2019 12:25

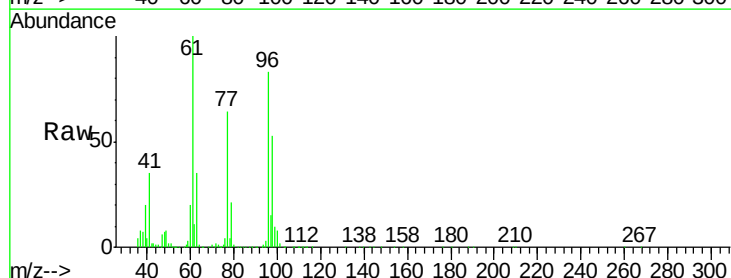
Tgt Ion: 96 Resp: 89079

Ion Ratio Lower Upper

96 100

61 130.4 108.1 162.1

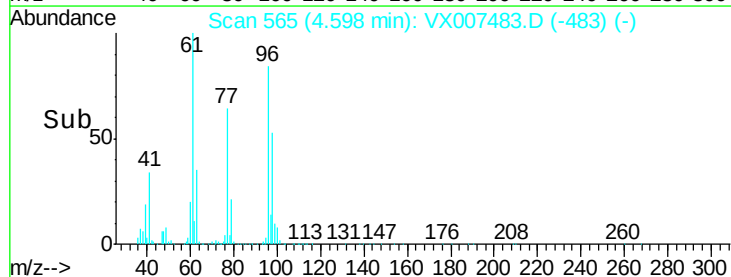
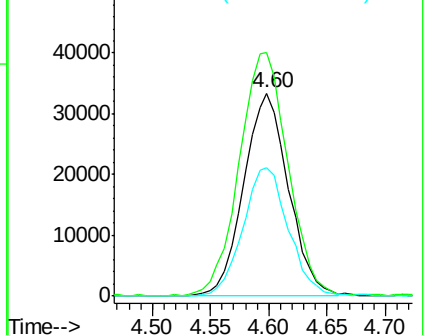
98 64.3 51.9 77.9

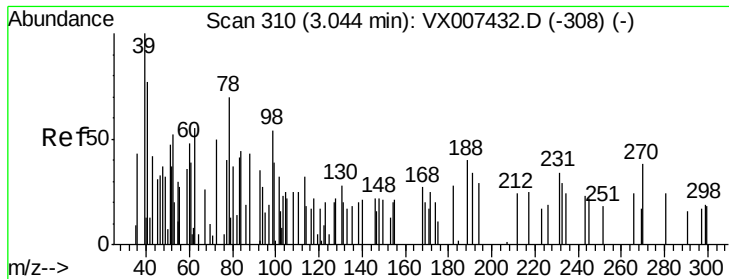


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



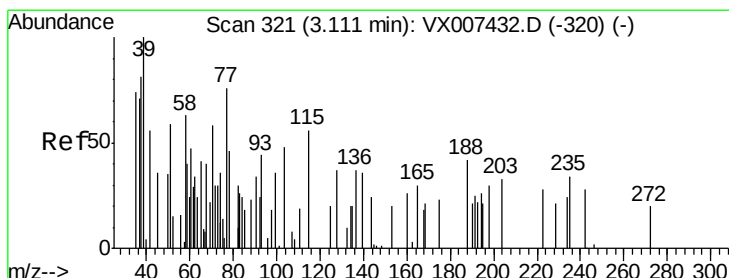
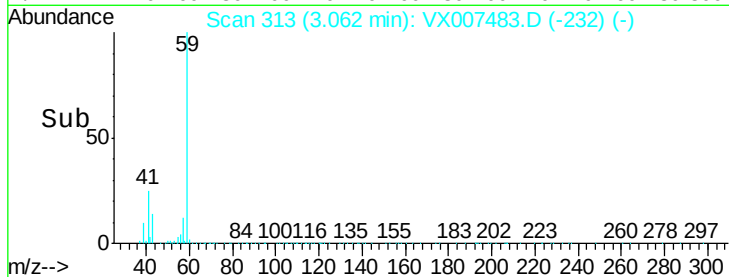
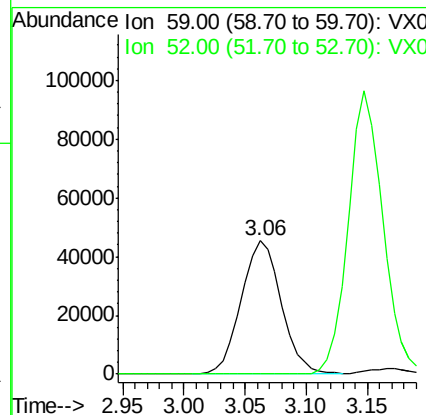
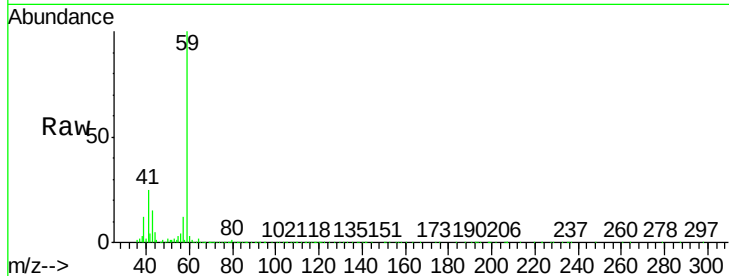


#23

tert-Butyl Alcohol
 Concen: 97.384 ug/l
 RT: 3.06 min Scan# 313
 Delta R.T. -0.01 min
 Lab File: VX007483.D
 Acq: 12 Feb 2019 12:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

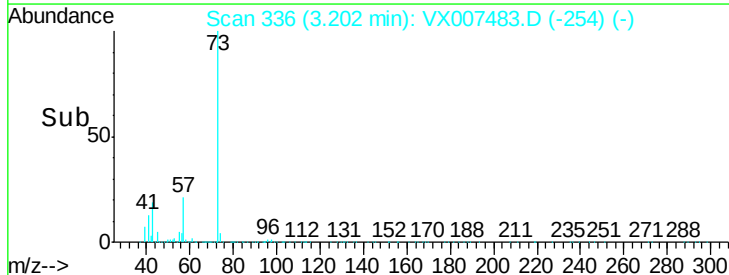
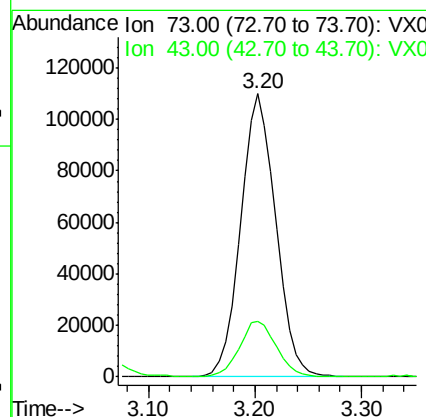
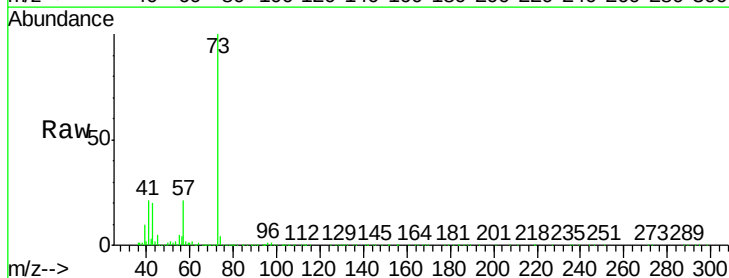
Tot Ion: 59 Resp: 102504
 Ion Ratio Lower Upper
 59 100
 52 0.1 0.2 0.2#

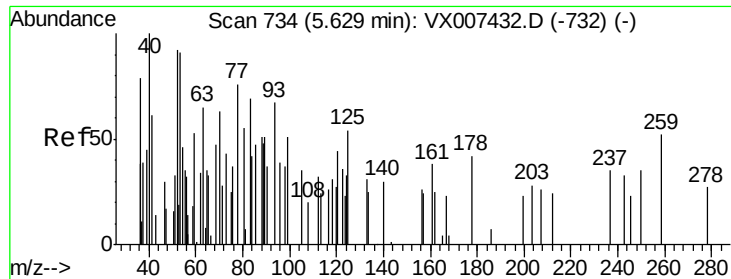


#24

Methyl tert-Butyl Ether
 Concen: 18.455 ug/l
 RT: 3.20 min Scan# 336
 Delta R.T. 0.00 min
 Lab File: VX007483.D
 Acq: 12 Feb 2019 12:25

Tgt Ion: 73 Resp: 253932
 Ion Ratio Lower Upper
 73 100
 43 20.1 16.2 24.4





#25

Chloroform

Concen: 19.139 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.00 min

Lab File: VX007483.D

Acq: 12 Feb 2019 12:25

Instrument :

MSVOA_X

ClientSampleId :

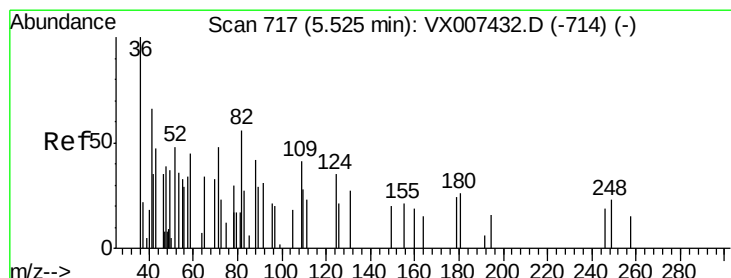
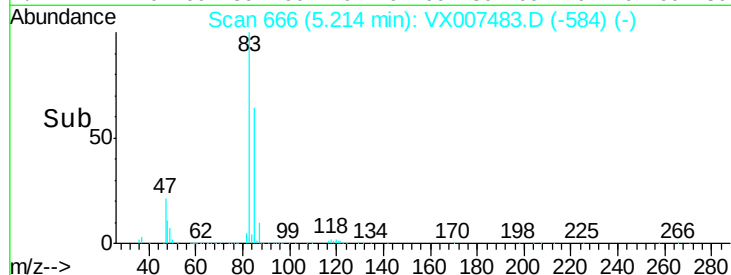
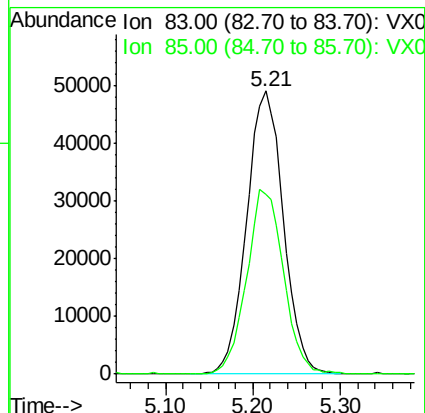
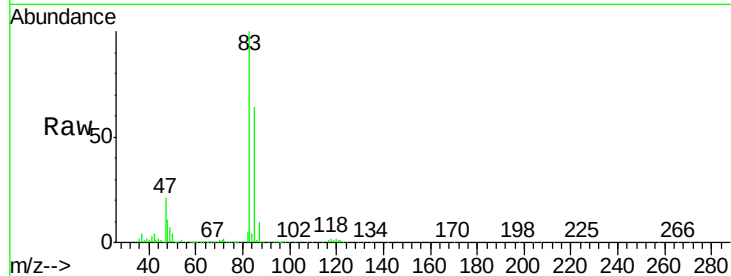
VSTDCCC020

Tot Ion: 83 Resp: 143659

Ion Ratio Lower Upper

83 100

85 63.4 51.9 77.9



#26

Cyclohexane

Concen: 18.323 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX007483.D

Acq: 12 Feb 2019 12:25

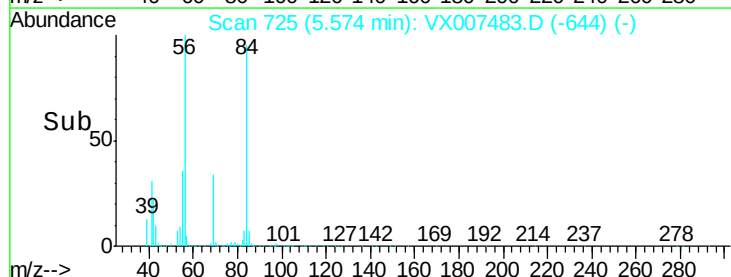
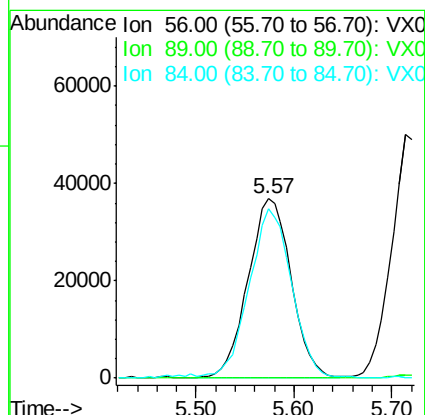
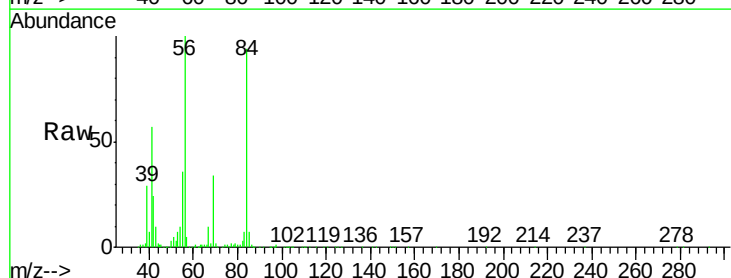
Tgt Ion: 56 Resp: 112073

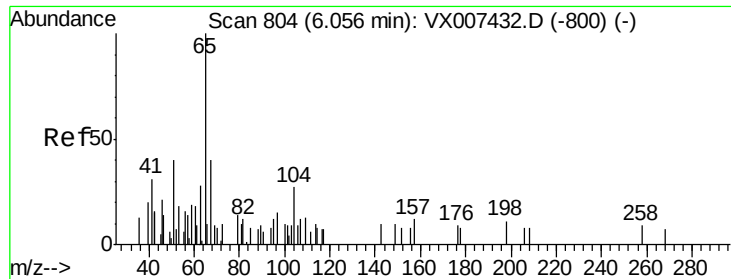
Ion Ratio Lower Upper

56 100

89 0.2 0.1 0.1#

84 93.4 74.2 111.2

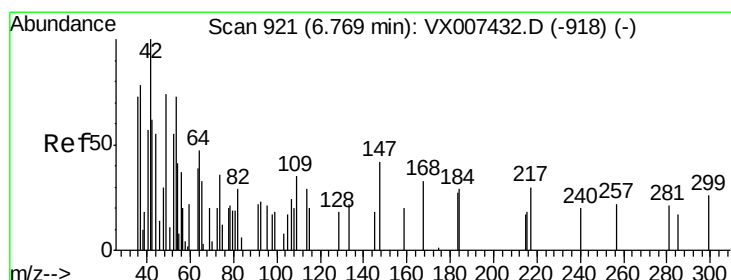
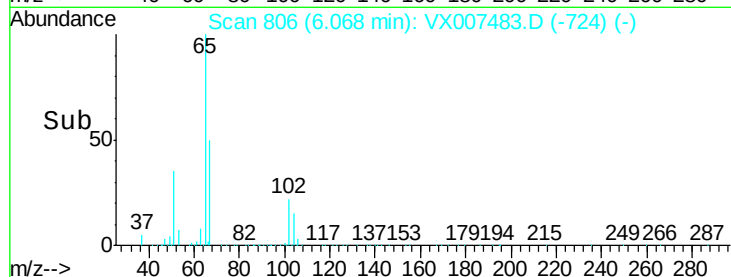
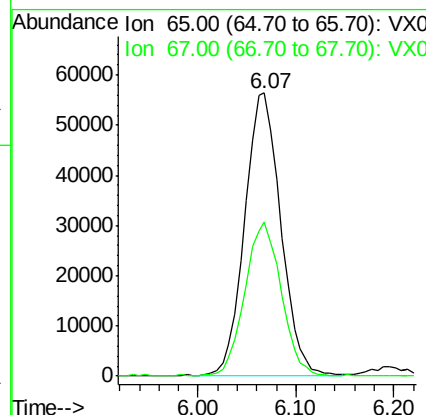
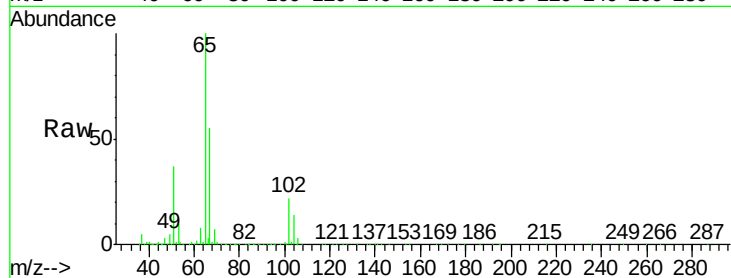




#27
 1,2-Dichloroethane-d4
 Concen: 28.853 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX007483.D
 Acq: 12 Feb 2019 12:25

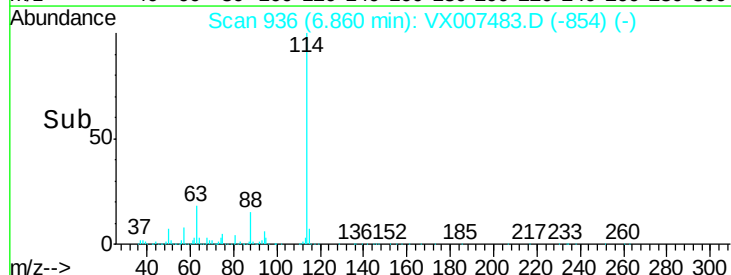
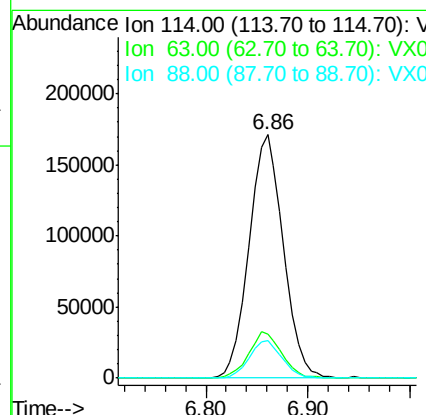
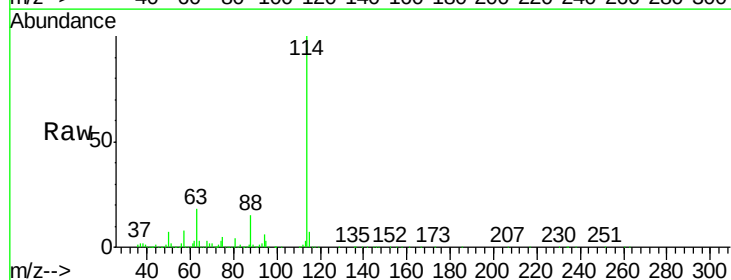
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

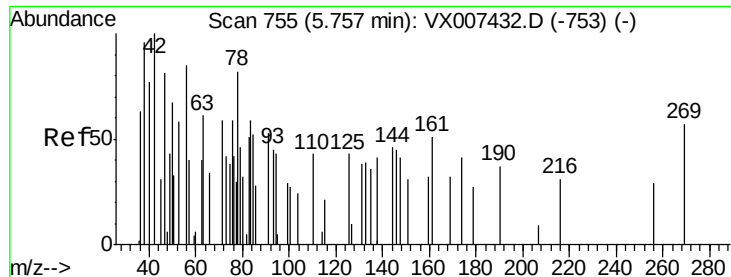
Tot Ion: 65 Resp: 144151
 Ion Ratio Lower Upper
 65 100
 67 54.7 42.0 63.0



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX007483.D
 Acq: 12 Feb 2019 12:25

Tgt Ion: 114 Resp: 399553
 Ion Ratio Lower Upper
 114 100
 63 18.0 14.6 21.8
 88 14.8 11.8 17.6

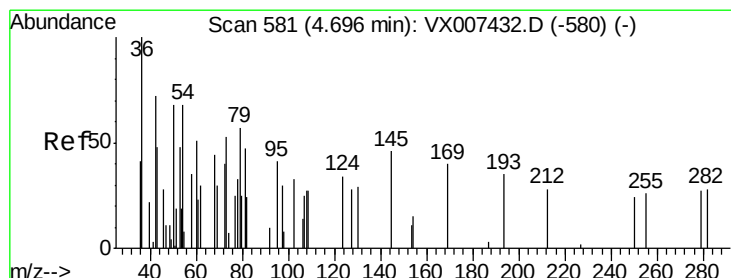
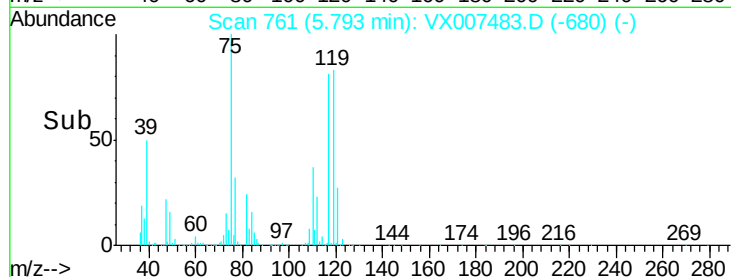
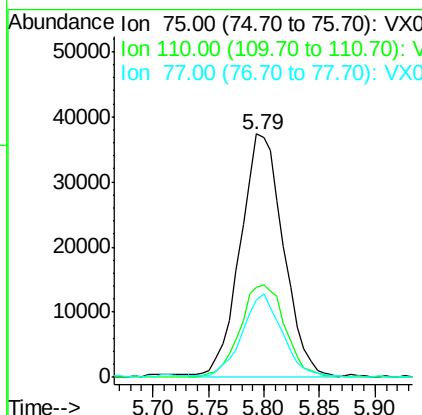
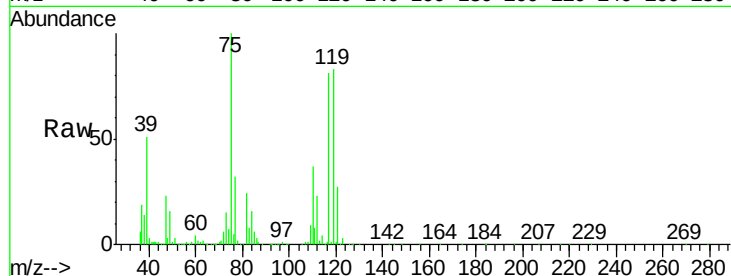




#29
 1,1-Dichloropropene
 Concen: 19.360 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: VX007483.D
 Acq: 12 Feb 2019 12:25

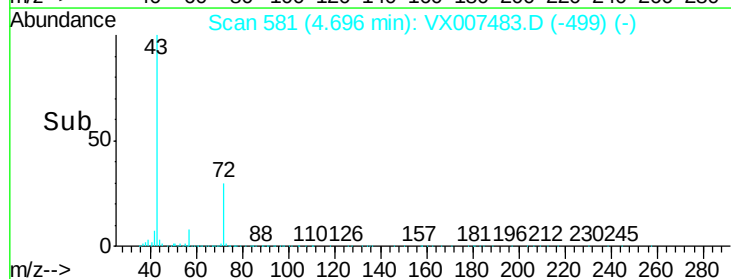
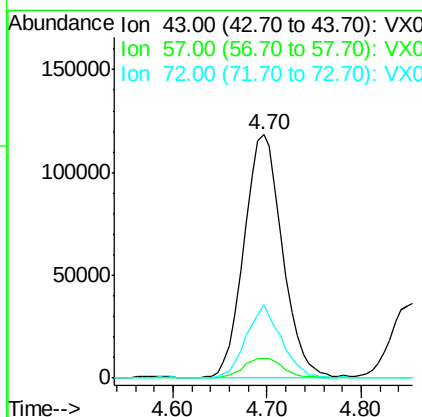
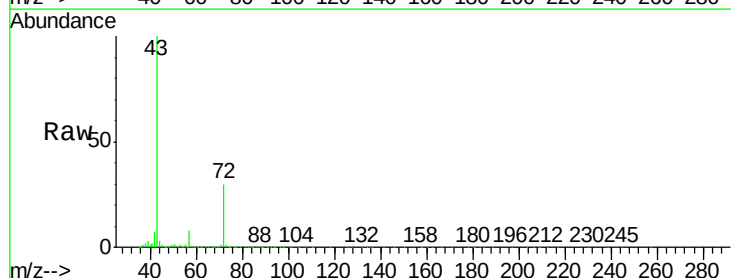
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

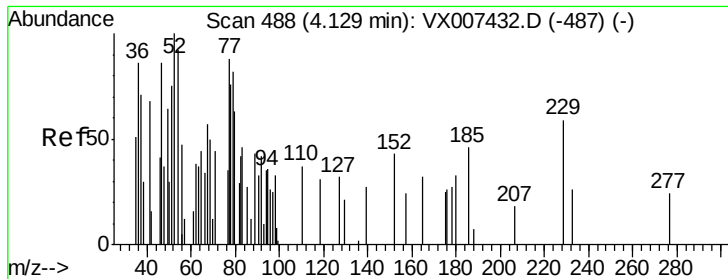
Tot Ion	75	Resp	100836
Ion Ratio	Lower	Upper	
75	100		
110	39.8	0.0	78.8
77	31.9	0.0	61.8



#30
 2-Butanone
 Concen: 108.399 ug/l
 RT: 4.70 min Scan# 581
 Delta R.T. 0.00 min
 Lab File: VX007483.D
 Acq: 12 Feb 2019 12:25

Tgt Ion	43	Resp	337362
Ion Ratio	Lower	Upper	
43	100		
57	8.5	3.3	4.9#
72	27.4	22.0	33.0





#31

2,2-Dichloropropane

Concen: 19.550 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX007483.D

Acq: 12 Feb 2019 12:25

Instrument :

MSVOA_X

ClientSampleId :

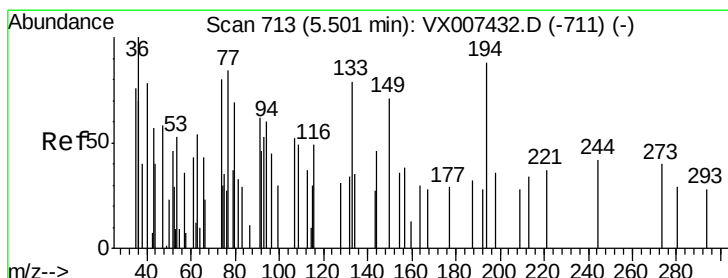
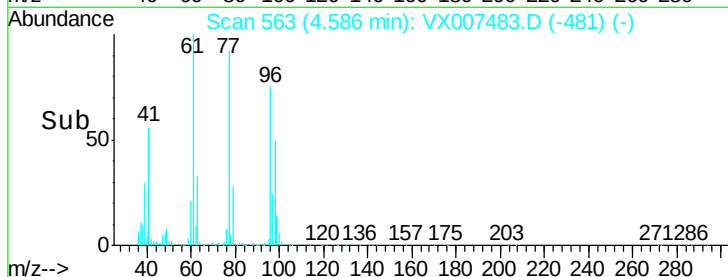
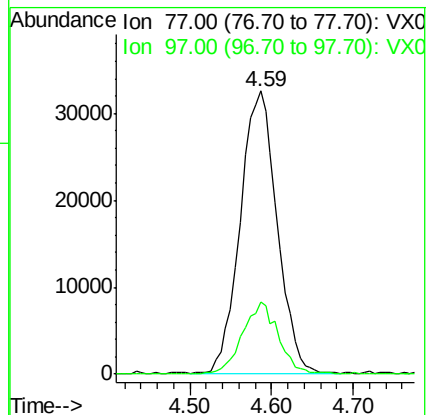
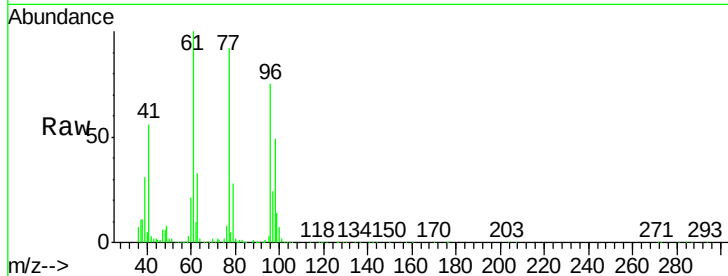
VSTDCCC020

Tot Ion: 77 Resp: 102876

Ion Ratio Lower Upper

77 100

97 24.3 19.8 29.8



#32

1,1,1-Trichloroethane

Concen: 19.377 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX007483.D

Acq: 12 Feb 2019 12:25

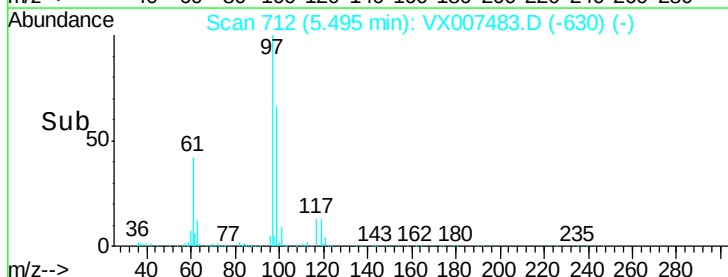
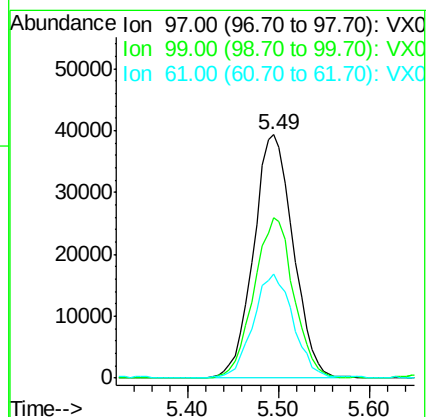
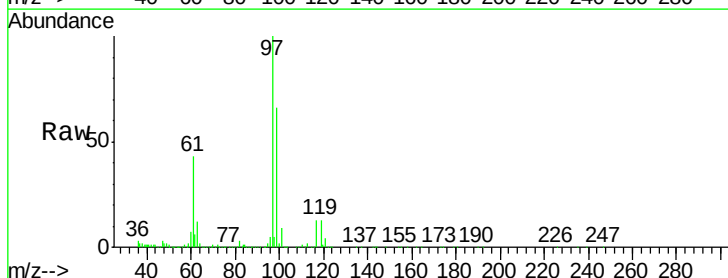
Tgt Ion: 97 Resp: 119276

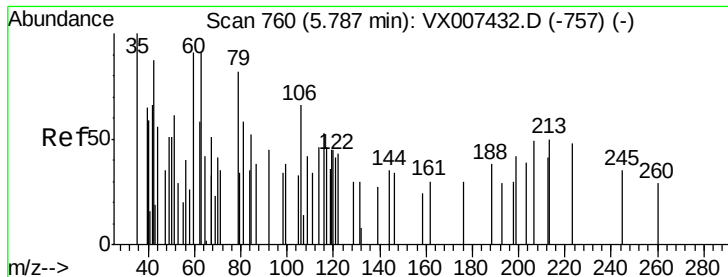
Ion Ratio Lower Upper

97 100

99 65.9 51.9 77.9

61 43.2 33.6 50.4





#33

Carbon Tetrachloride

Concen: 19.397 ug/l

RT: 5.79 min Scan# 760

Delta R.T. 0.01 min

Lab File: VX007483.D

Acq: 12 Feb 2019 12:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

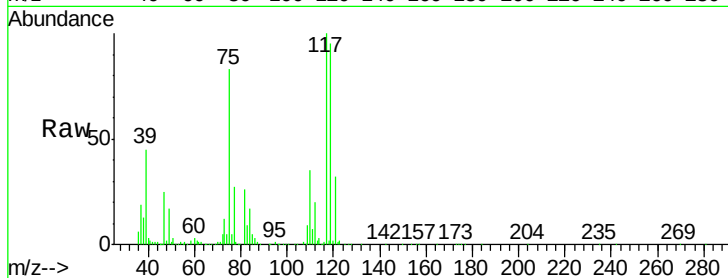
Tot Ion:117 Resp: 104960

Ion Ratio Lower Upper

117 100

119 95.4 73.5 110.3

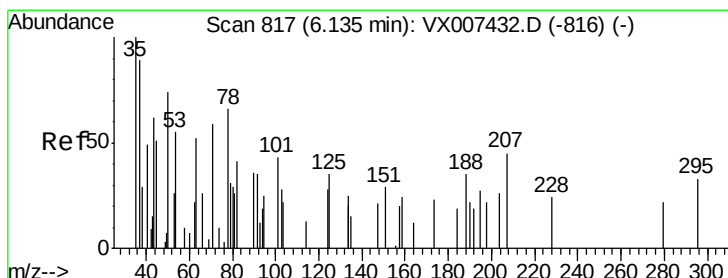
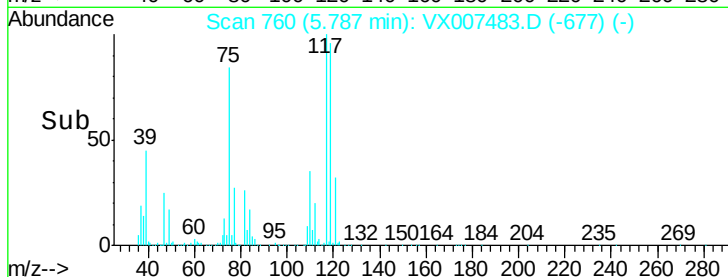
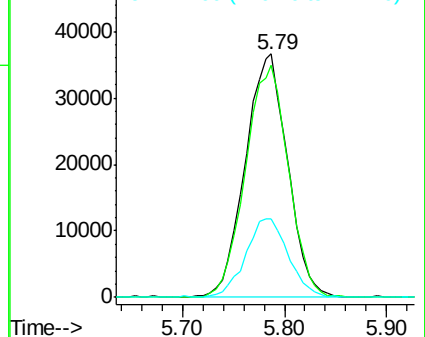
121 32.2 24.6 37.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 19.444 ug/l

RT: 6.14 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX007483.D

Acq: 12 Feb 2019 12:25

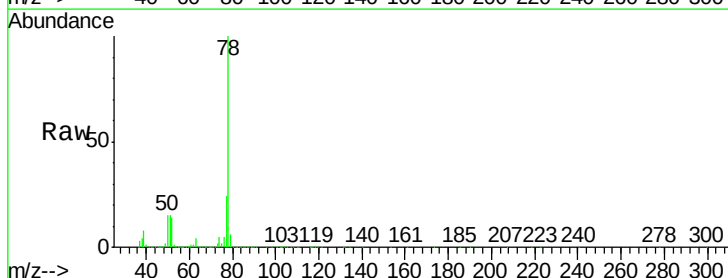
Tgt Ion: 78 Resp: 312385

Ion Ratio Lower Upper

78 100

77 23.6 19.1 28.7

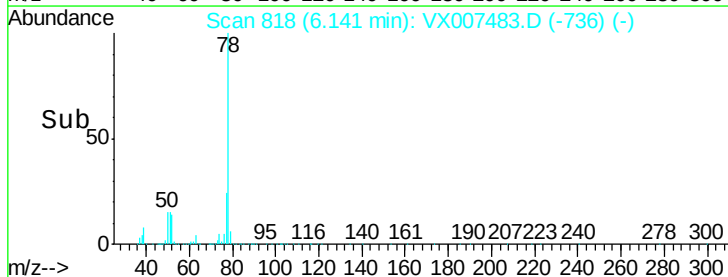
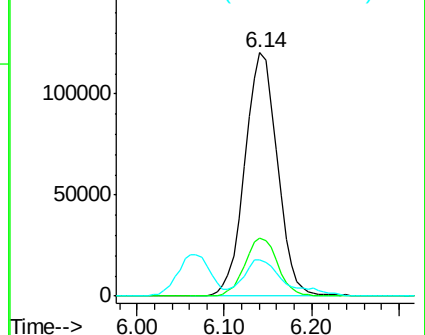
51 14.6 12.4 18.6

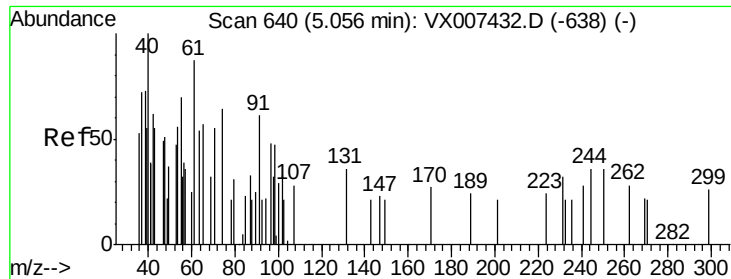


Abundance Ion 78.10 (77.80 to 78.80): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

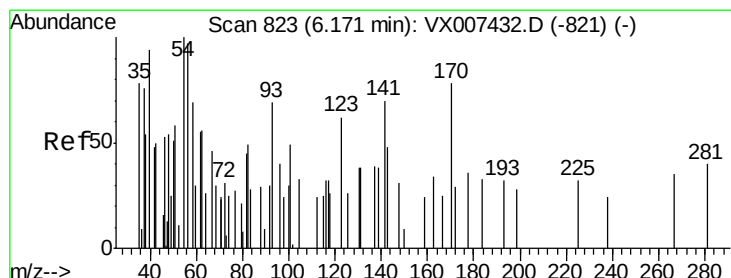
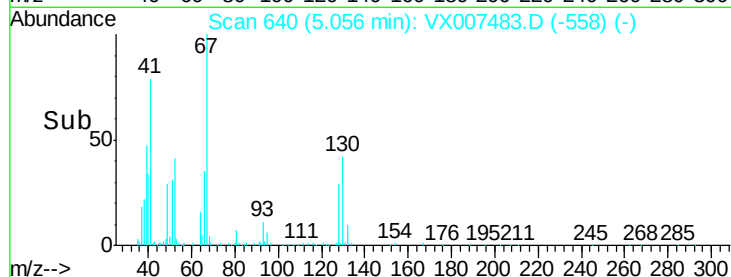
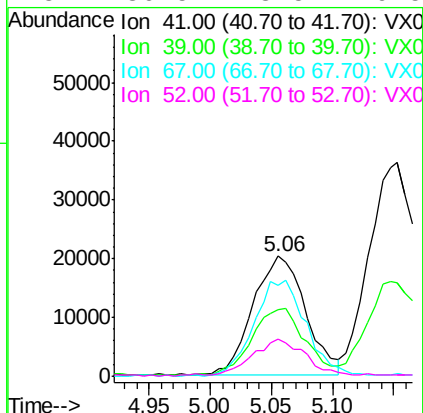
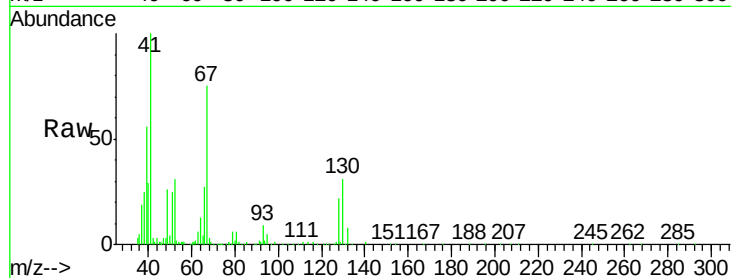




#35
Methacrylonitrile
Concen: 18.906 ug/l
RT: 5.06 min Scan# 640
Delta R.T. 0.00 min
Lab File: VX007483.D
Acq: 12 Feb 2019 12:25

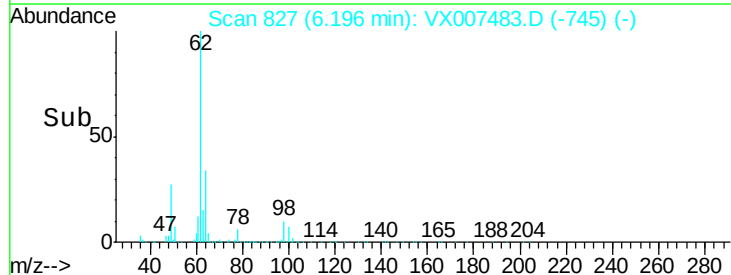
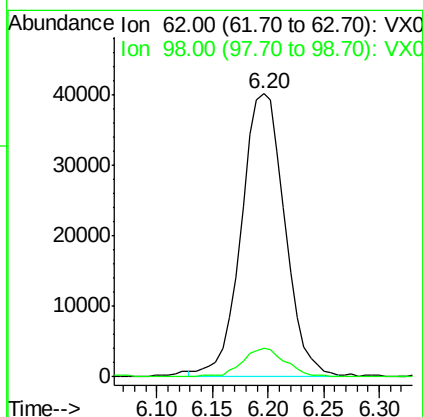
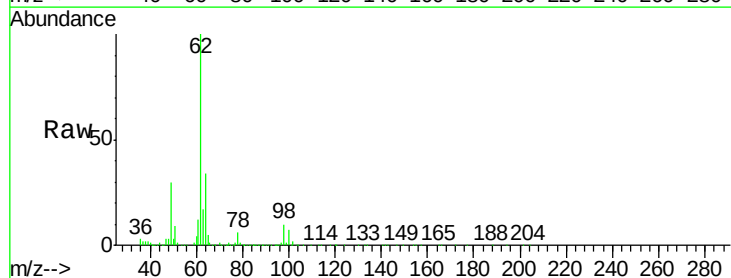
Instrument :
MSVOA_X
ClientSampled :
VSTDCCC020

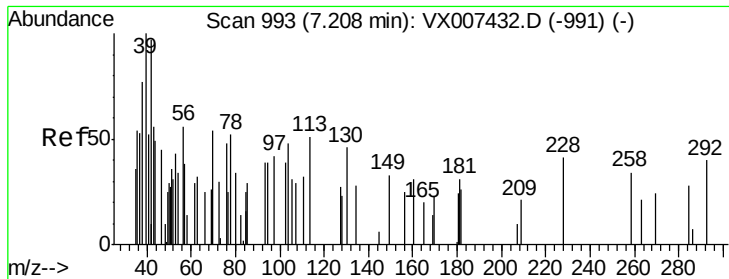
Tot Ion: 41 Resp: 60061
Ion Ratio Lower Upper
41 100
39 55.7 27.5 82.4
67 75.5 34.8 104.3
52 30.5 13.5 40.5



#36
1,2-Dichloroethane
Concen: 19.624 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX007483.D
Acq: 12 Feb 2019 12:25

Tgt Ion: 62 Resp: 108792
Ion Ratio Lower Upper
62 100
98 10.0 8.1 12.1





#37

Trichloroethene

Concen: 19.643 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX007483.D

Acq: 12 Feb 2019 12:25

Instrument :

MSVOA_X

ClientSampleId :

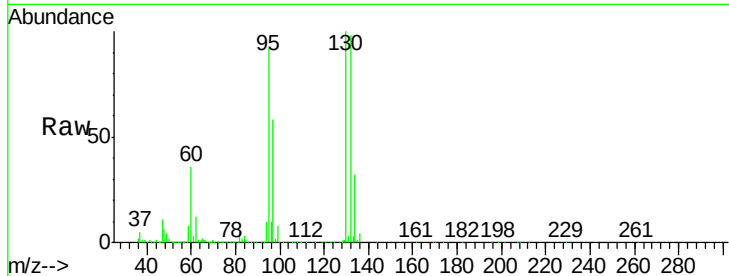
VSTDCCC020

Tot Ion:130 Resp: 93050

Ion Ratio Lower Upper

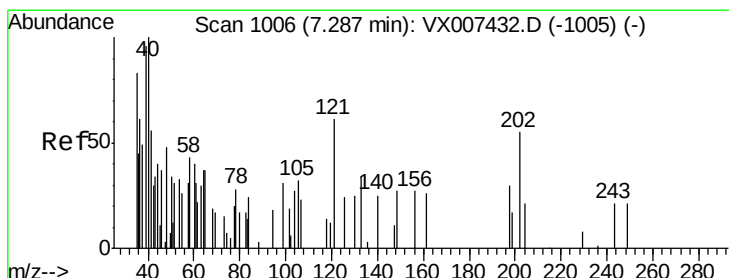
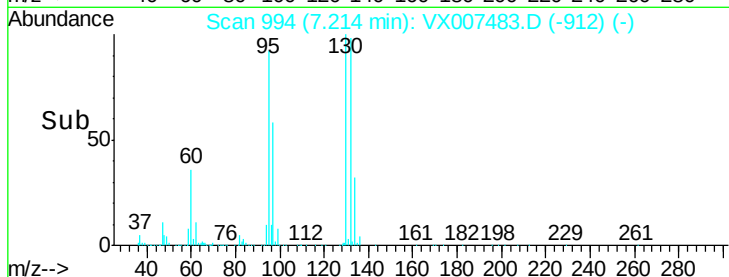
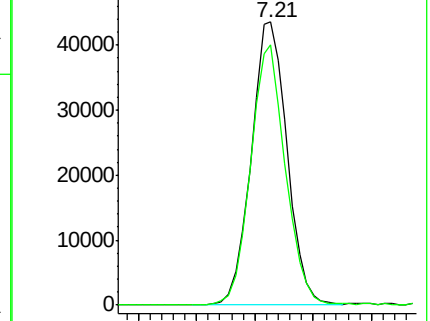
130 100

95 91.9 73.7 110.5



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0



#38

Methylcyclohexane

Concen: 18.783 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. 0.01 min

Lab File: VX007483.D

Acq: 12 Feb 2019 12:25

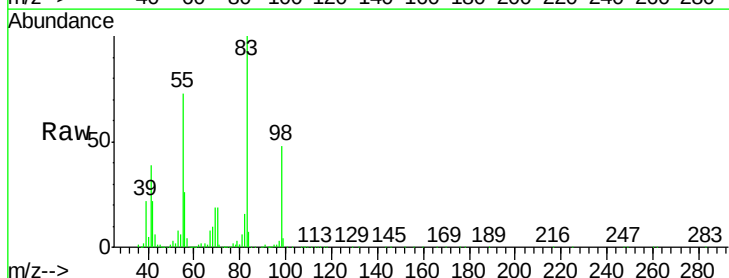
Tgt Ion: 83 Resp: 123991

Ion Ratio Lower Upper

83 100

55 73.2 36.6 109.8

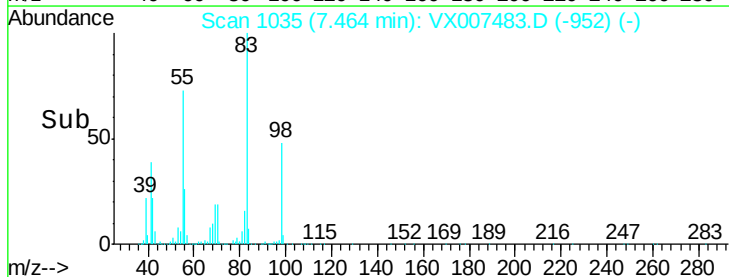
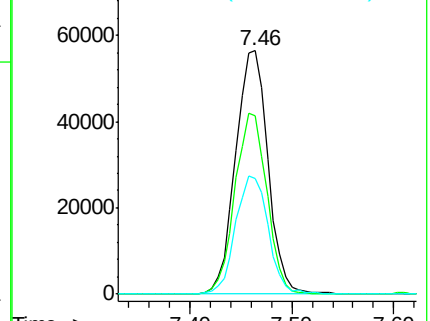
98 49.4 24.1 72.4

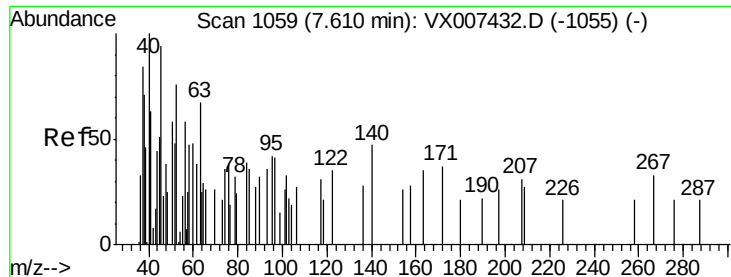


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

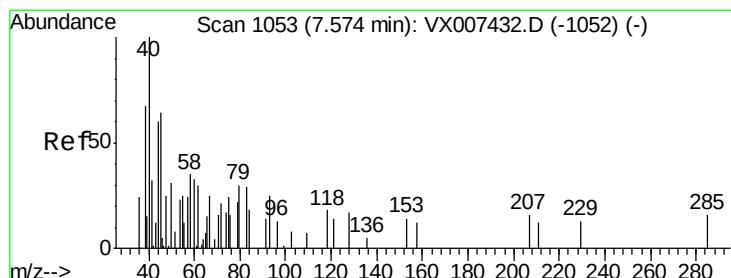
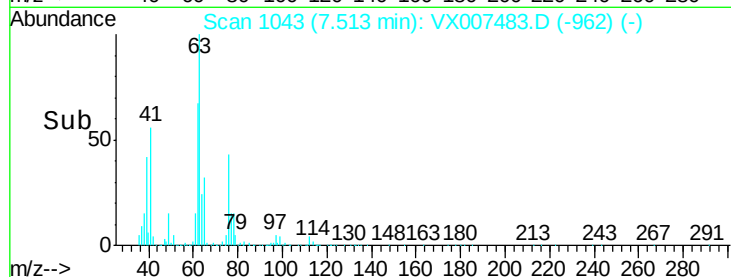
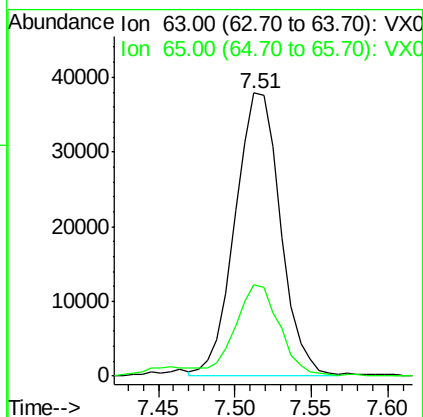
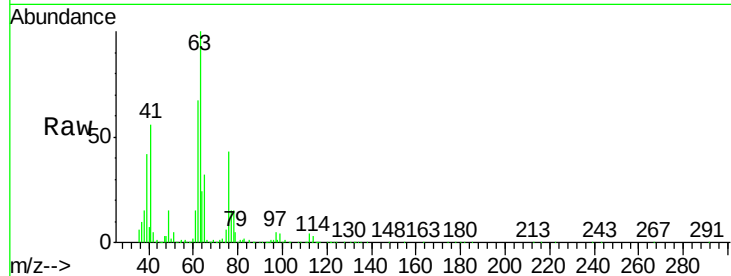




#39
 1,2-Dichloropropane
 Concen: 19.397 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.01 min
 Lab File: VX007483.D
 Acq: 12 Feb 2019 12:25

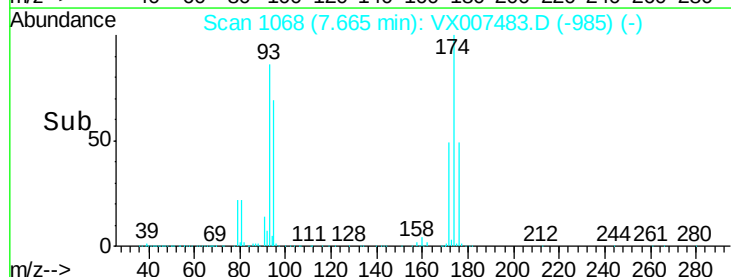
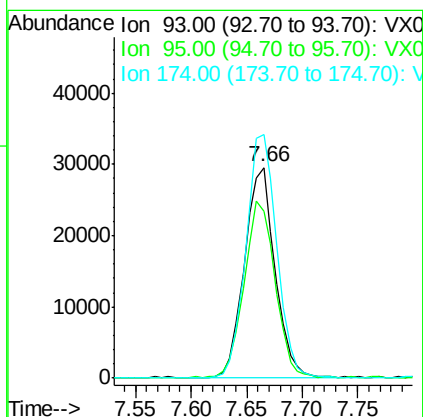
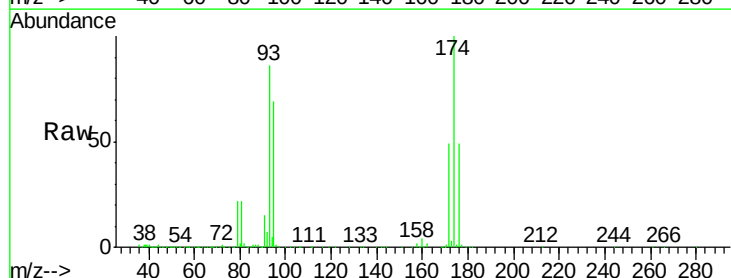
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

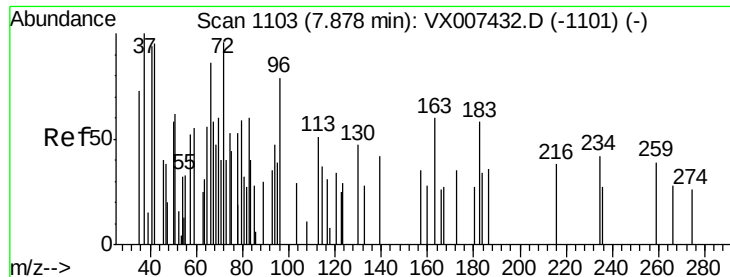
Tot Ion: 63 Resp: 78153
 Ion Ratio Lower Upper
 63 100
 65 32.4 24.7 37.1



#40
 Dibromomethane
 Concen: 19.568 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.01 min
 Lab File: VX007483.D
 Acq: 12 Feb 2019 12:25

Tgt Ion: 93 Resp: 56791
 Ion Ratio Lower Upper
 93 100
 95 84.1 0.0 172.4
 174 116.4 0.0 233.0





#41

Bromodichloromethane

Concen: 20.002 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX007483.D

Acq: 12 Feb 2019 12:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

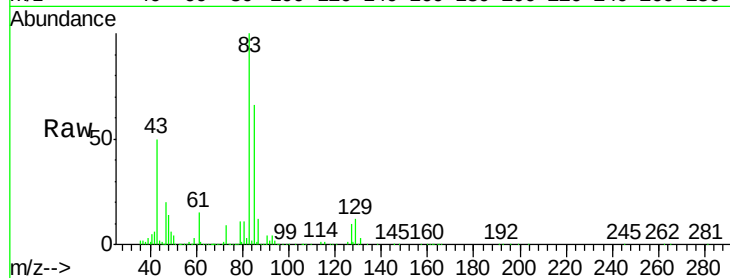
Tot Ion: 83 Resp: 101879

Ion Ratio Lower Upper

83 100

85 66.0 48.2 72.2

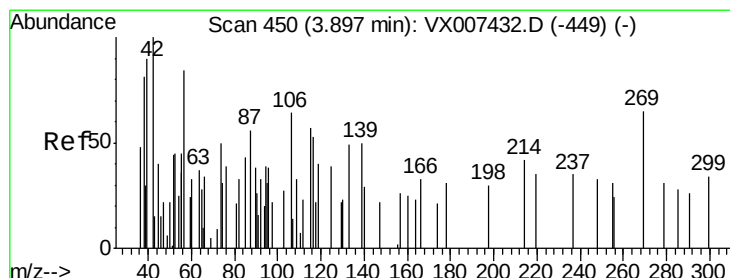
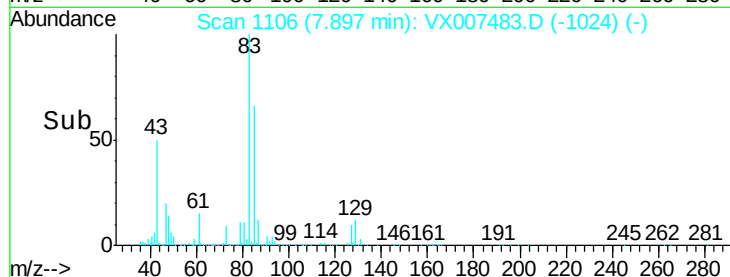
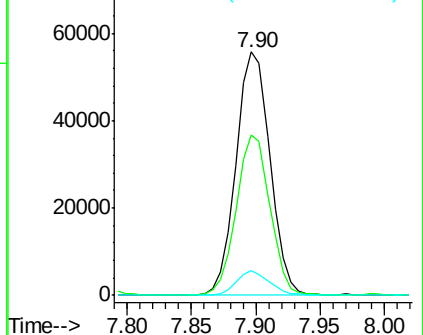
127 10.1 8.3 12.5



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: 93.944 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX007483.D

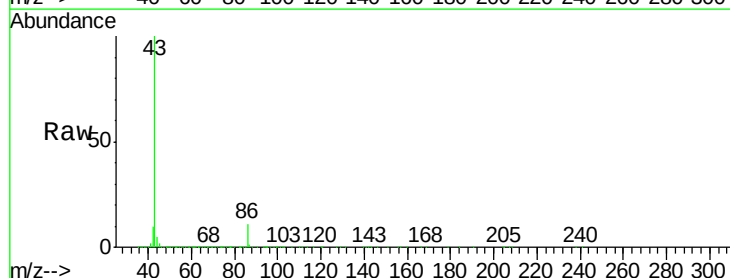
Acq: 12 Feb 2019 12:25

Tgt Ion: 43 Resp: 991306

Ion Ratio Lower Upper

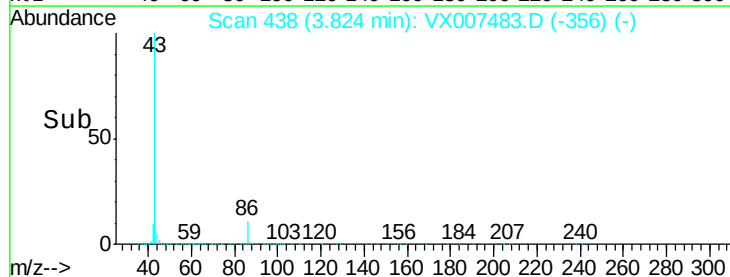
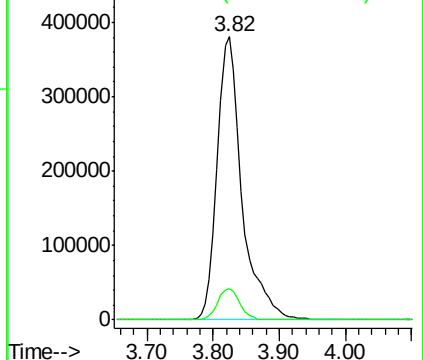
43 100

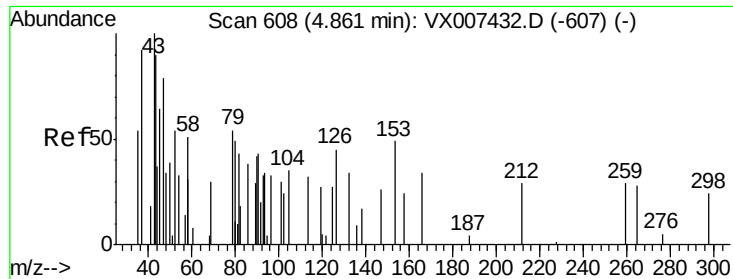
86 10.0 8.0 12.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

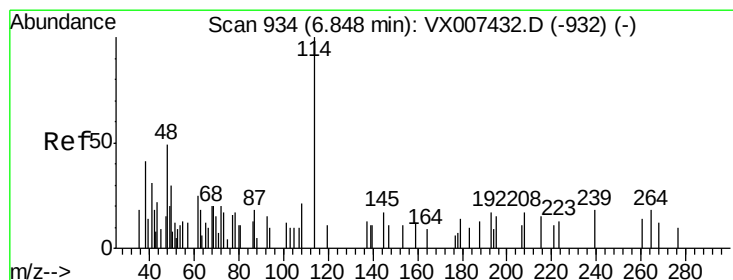
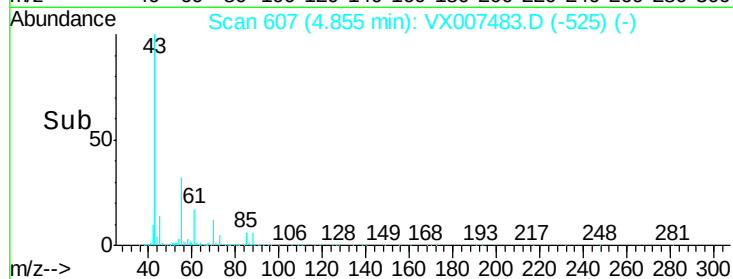
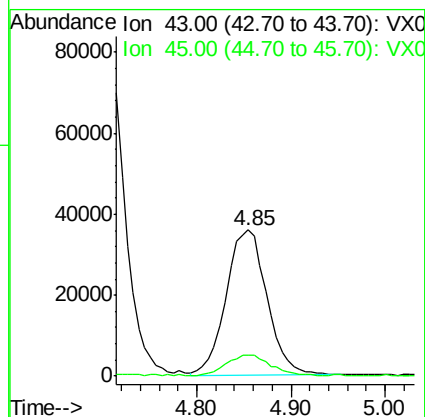
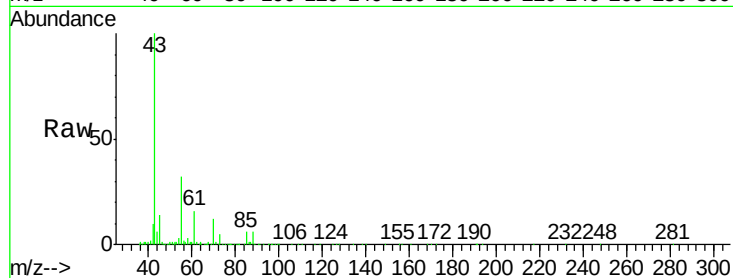




#43
Ethyl Acetate
Concen: 18.615 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX007483.D
Acq: 12 Feb 2019 12:25

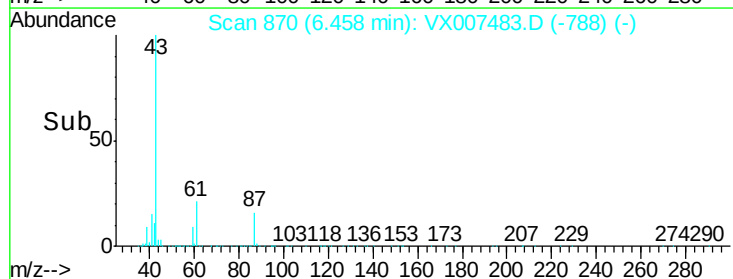
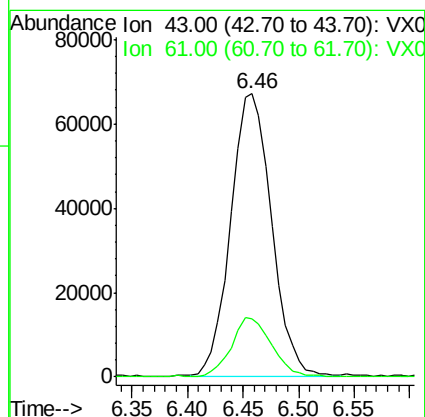
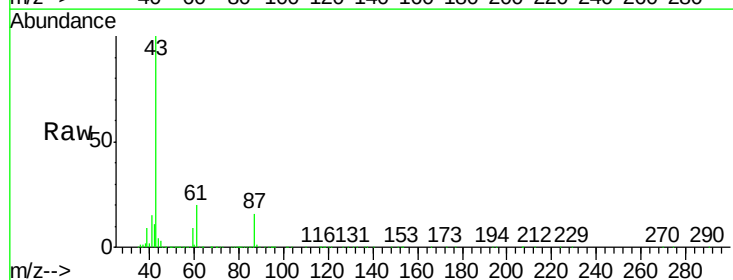
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

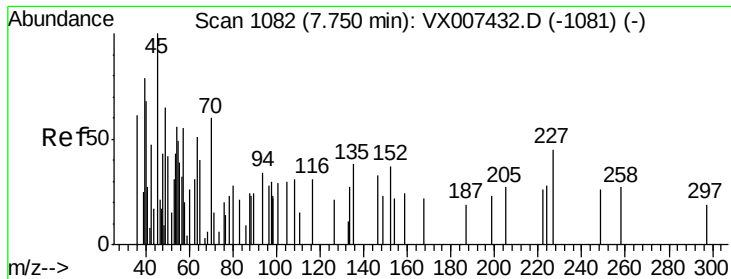
Tot Ion: 43 Resp: 108101
Ion Ratio Lower Upper
43 100
45 16.1 11.7 17.5



#44
Isopropyl Acetate
Concen: 18.851 ug/l
RT: 6.46 min Scan# 870
Delta R.T. 0.00 min
Lab File: VX007483.D
Acq: 12 Feb 2019 12:25

Tgt Ion: 43 Resp: 170978
Ion Ratio Lower Upper
43 100
61 20.2 16.8 25.2





#45

1,4-Dioxane

Concen: 395.098 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX007483.D

Acq: 12 Feb 2019 12:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

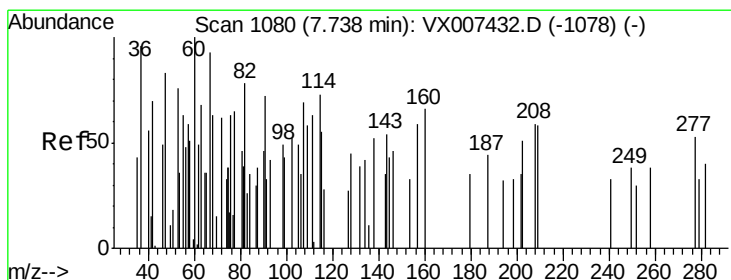
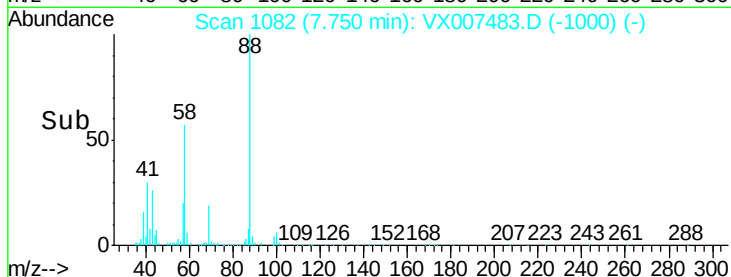
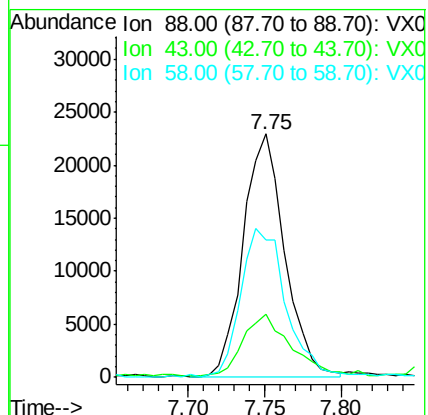
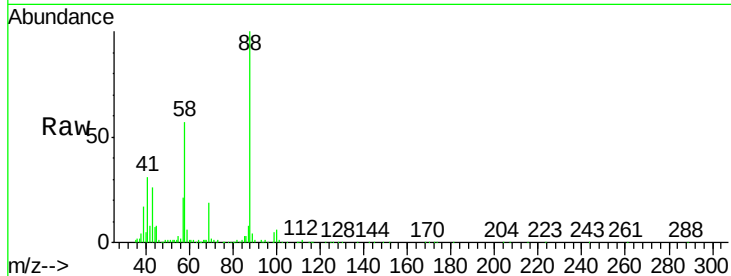
Tot Ion: 88 Resp: 43425

Ion Ratio Lower Upper

88 100

43 28.2 23.5 35.3

58 65.9 51.6 77.4



#46

Methyl methacrylate

Concen: 18.970 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX007483.D

Acq: 12 Feb 2019 12:25

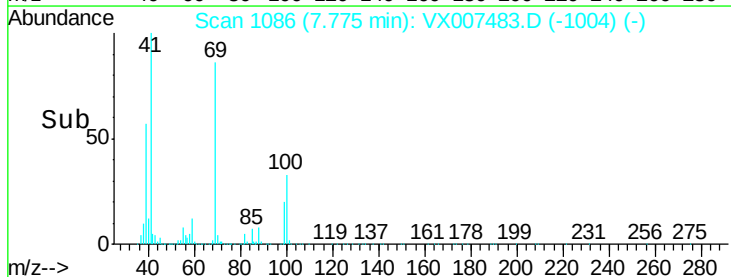
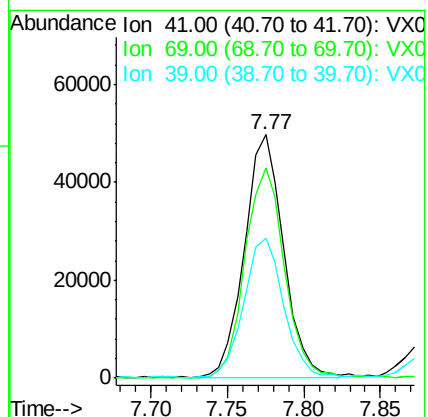
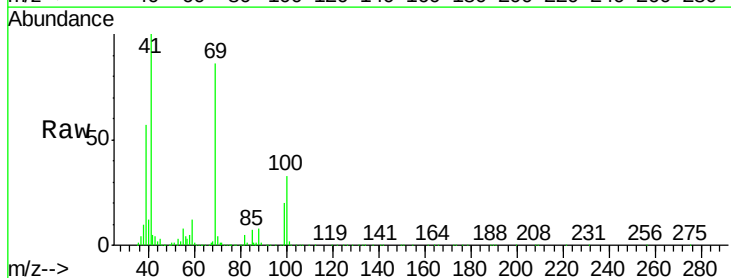
Tgt Ion: 41 Resp: 87976

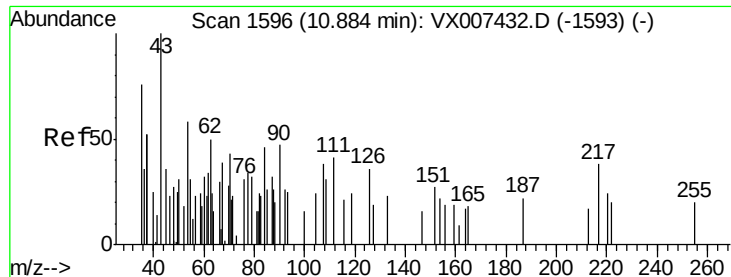
Ion Ratio Lower Upper

41 100

69 86.4 43.0 129.2

39 57.3 29.4 88.2





#47

n-amvl Acetate

Concen: 19.762 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX007483.D

Acq: 12 Feb 2019 12:25

Instrument :

MSVOA_X

ClientSampleId :

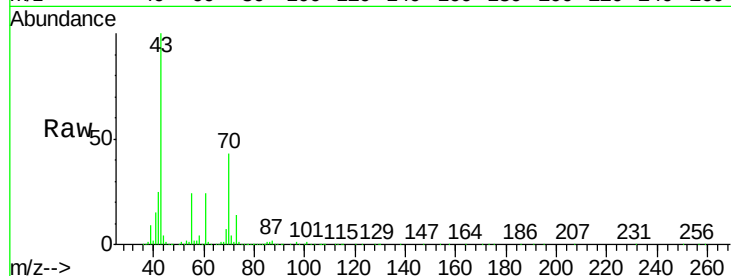
VSTDCCC020

Tot Ion: 43 Resp: 157600

Ion Ratio Lower Upper

43 100

55 25.3 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

10.90

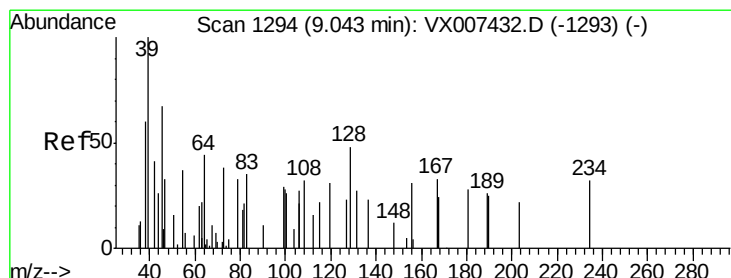
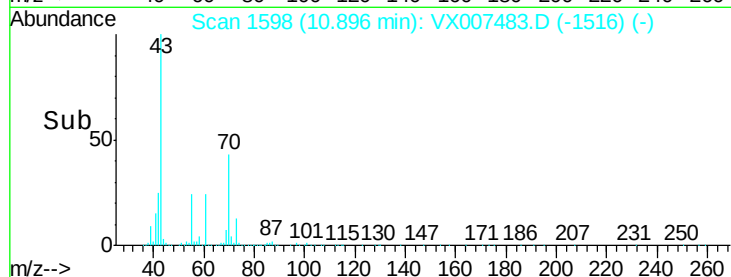
150000

100000

50000

0

Time-->



#48

t-1,3-Dichloropropene

Concen: 19.459 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX007483.D

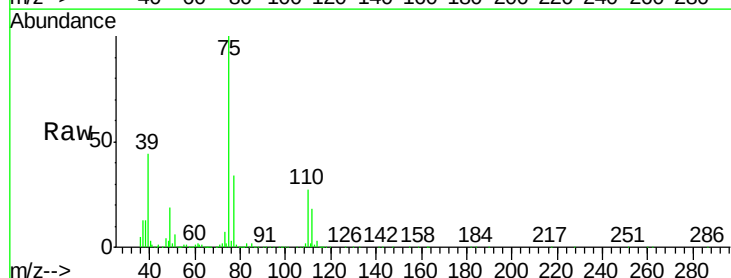
Acq: 12 Feb 2019 12:25

Tgt Ion: 75 Resp: 108104

Ion Ratio Lower Upper

75 100

77 33.5 26.7 40.1



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

9.04

80000

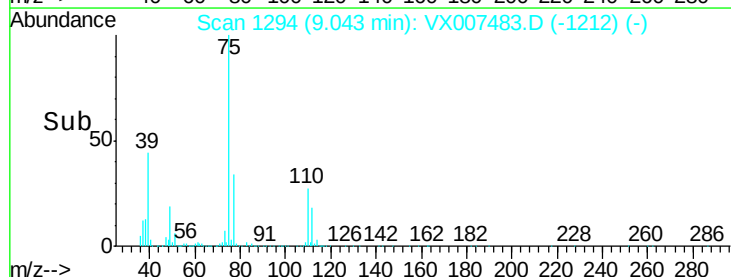
60000

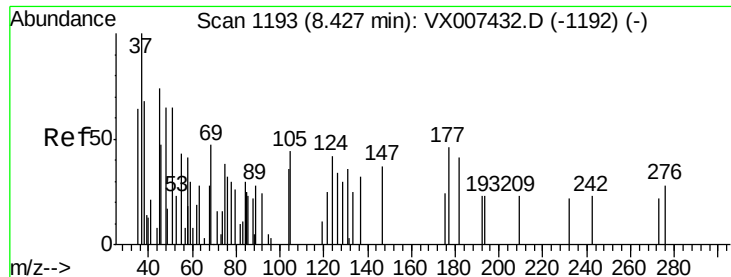
40000

20000

0

Time-->



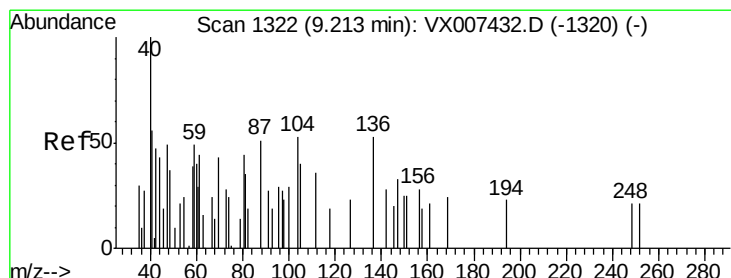
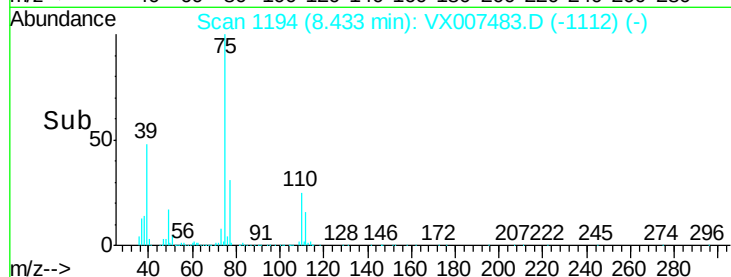
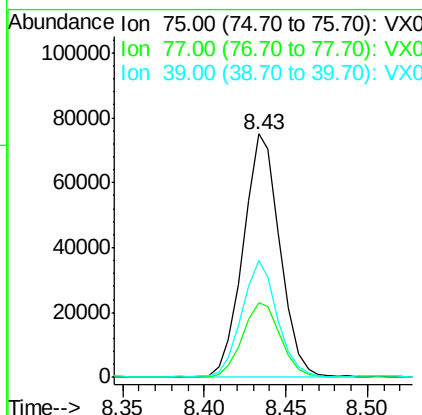
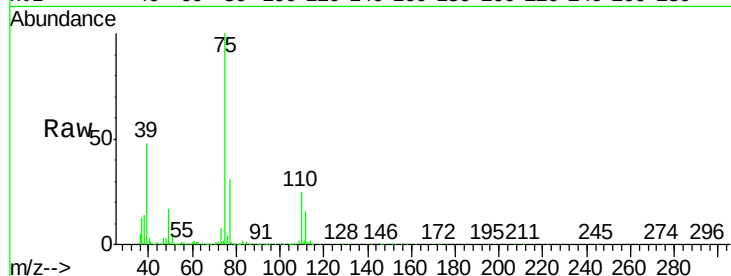


#49

cis-1,3-Dichloropropene
 Concen: 19.095 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX007483.D
 Acq: 12 Feb 2019 12:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

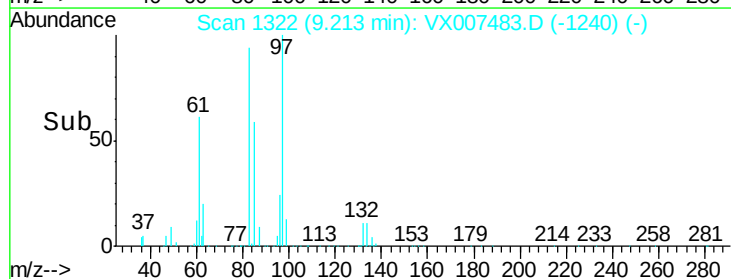
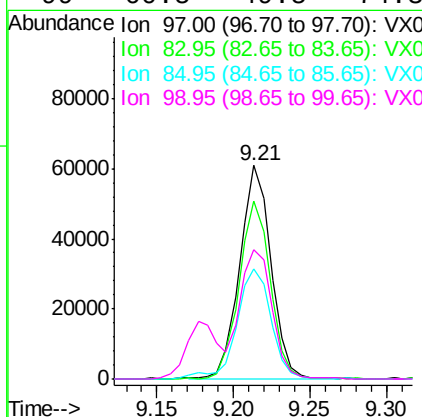
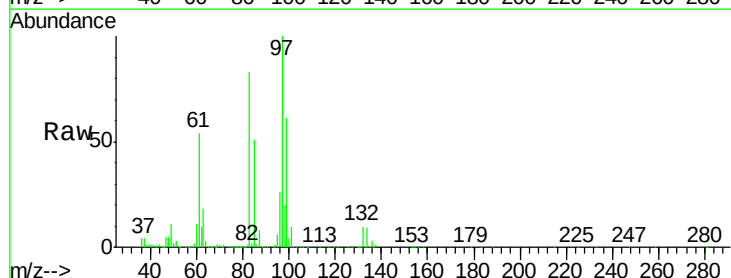
Tot Ion	75	Resp	117848
Ion Ratio	Lower	Upper	
75	100		
77	30.8	26.2	39.4
39	47.7	37.2	55.8

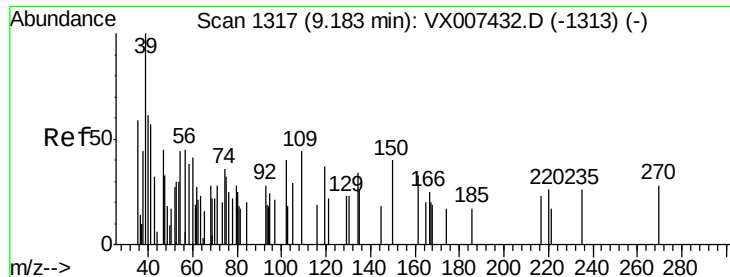


#50

1,1,2-Trichloroethane
 Concen: 19.883 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX007483.D
 Acq: 12 Feb 2019 12:25

Tgt Ion	97	Resp	86612
Ion Ratio	Lower	Upper	
97	100		
83	83.0	62.5	93.7
85	51.4	41.8	62.6
99	60.5	49.5	74.3





#51

Ethyl methacrylate

Concen: 19.370 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX007483.D

Acq: 12 Feb 2019 12:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

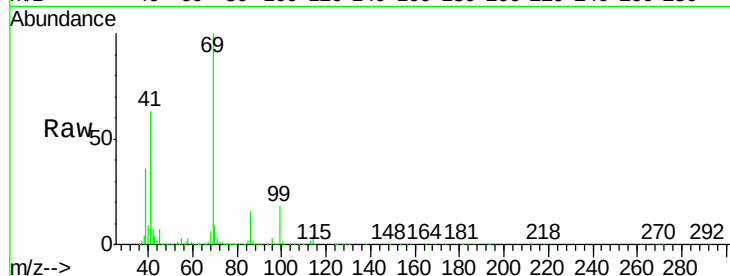
Tot Ion: 69 Resp: 120563

Ion Ratio Lower Upper

69 100

41 62.8 34.2 102.6

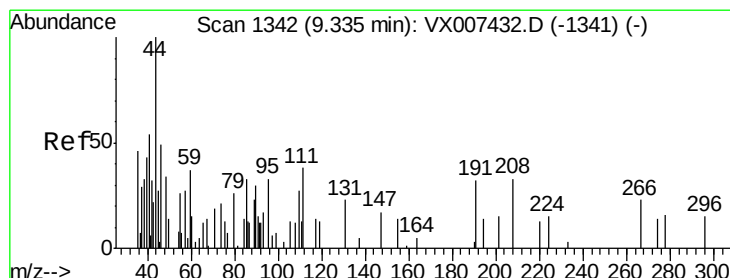
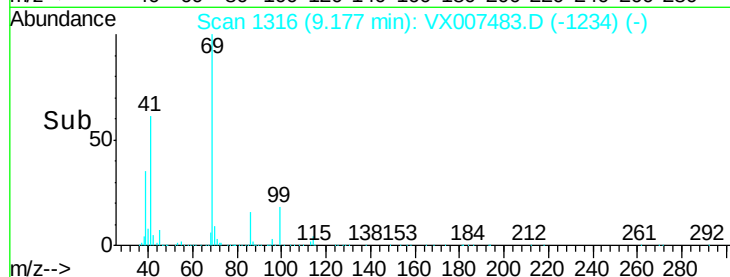
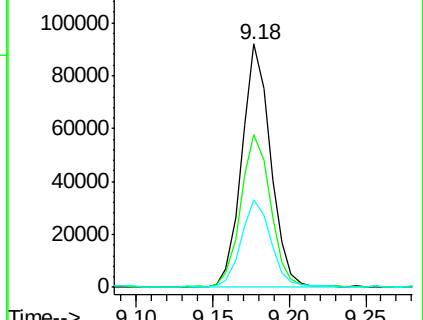
39 35.8 20.3 60.8



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: 19.822 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX007483.D

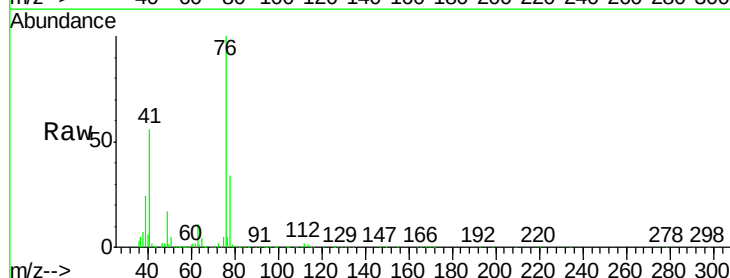
Acq: 12 Feb 2019 12:25

Tgt Ion: 76 Resp: 138258

Ion Ratio Lower Upper

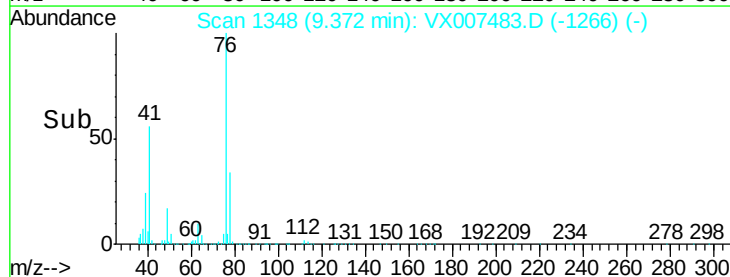
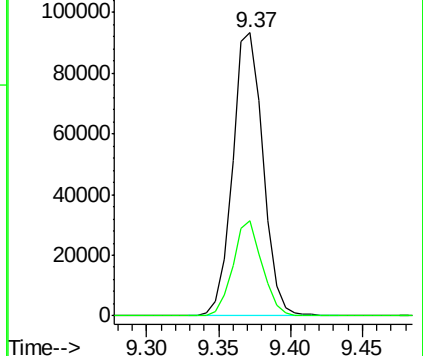
76 100

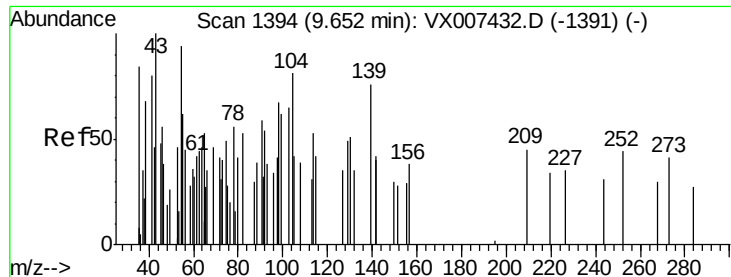
78 32.2 0.0 66.2



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





#53

Dibromochloromethane

Concen: 19.823 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VX007483.D

Acq: 12 Feb 2019 12:25

Instrument :

MSVOA_X

ClientSampleId :

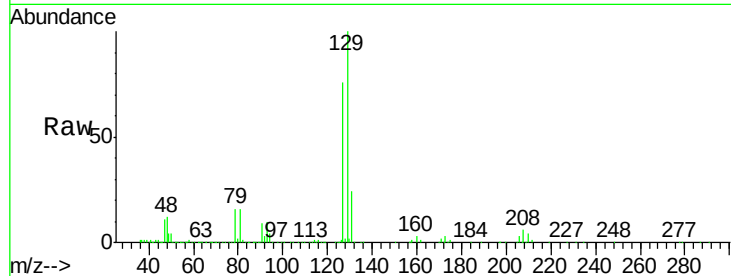
VSTDCCC020

Tot Ion:129 Resp: 87276

Ion Ratio Lower Upper

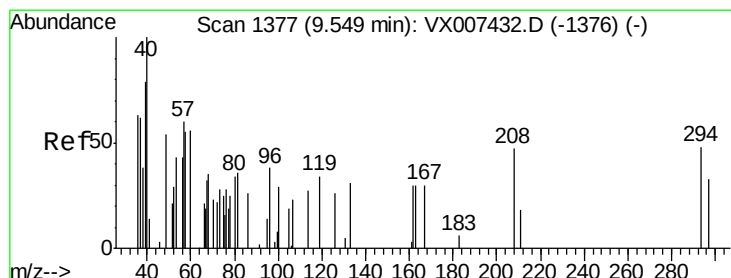
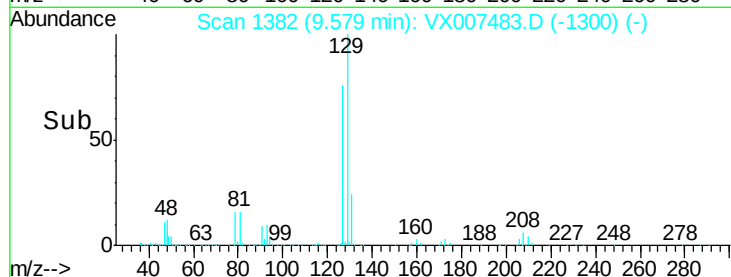
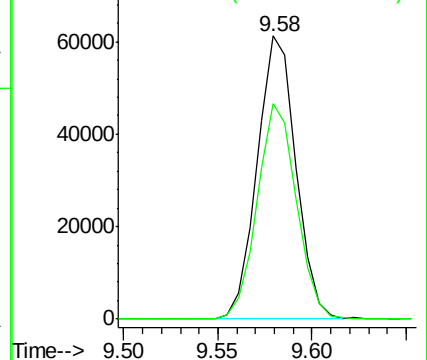
129 100

127 76.8 37.7 113.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 19.588 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX007483.D

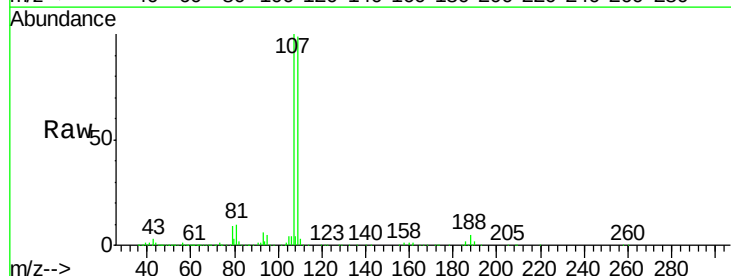
Acq: 12 Feb 2019 12:25

Tgt Ion:107 Resp: 91857

Ion Ratio Lower Upper

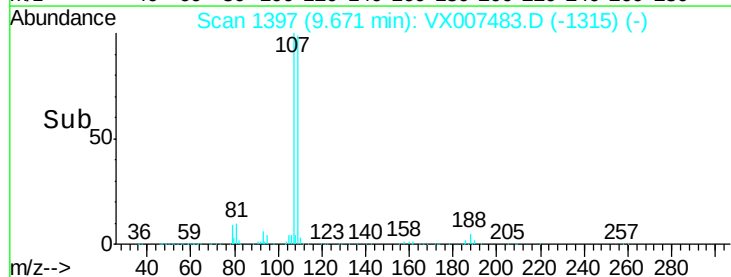
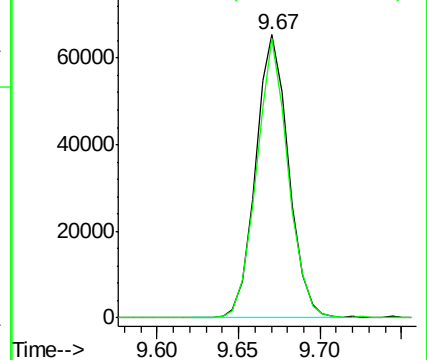
107 100

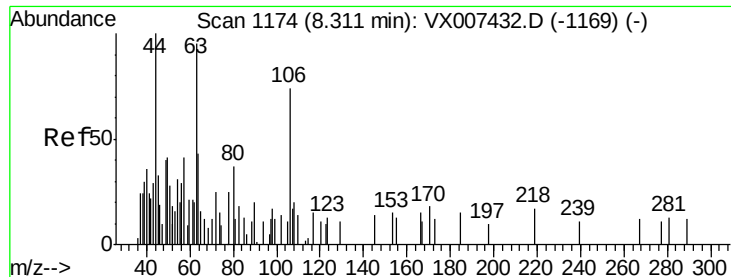
109 94.7 75.5 113.3



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: 95.621 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX007483.D

Acq: 12 Feb 2019 12:25

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC020

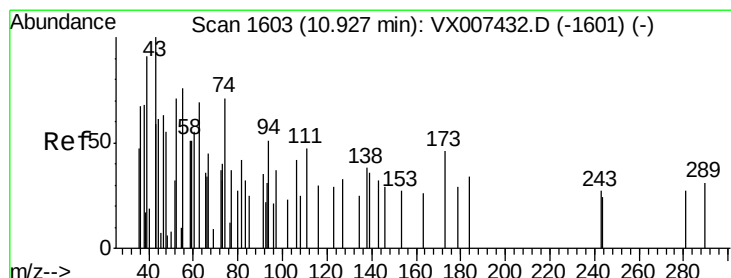
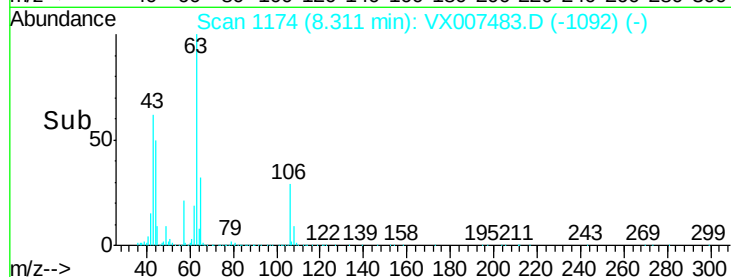
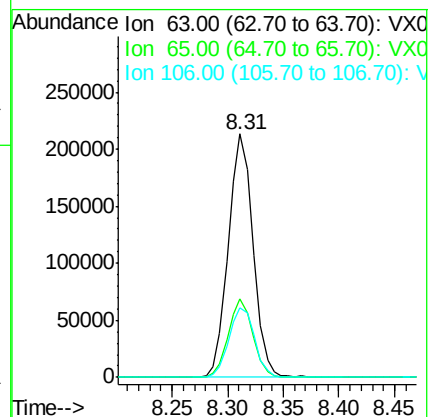
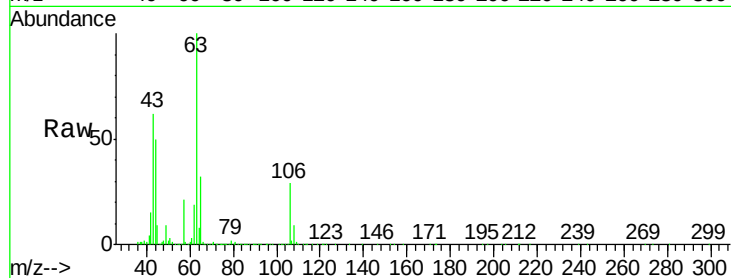
Tot Ion: 63 Resp: 327411

Ion Ratio Lower Upper

63 100

65 31.9 25.9 38.9

106 30.1 23.8 35.8



#56

Bromoform

Concen: 19.227 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX007483.D

Acq: 12 Feb 2019 12:25

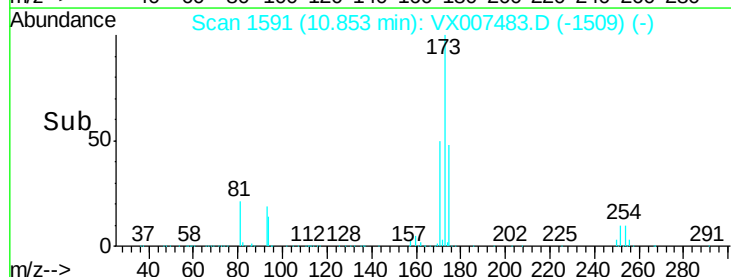
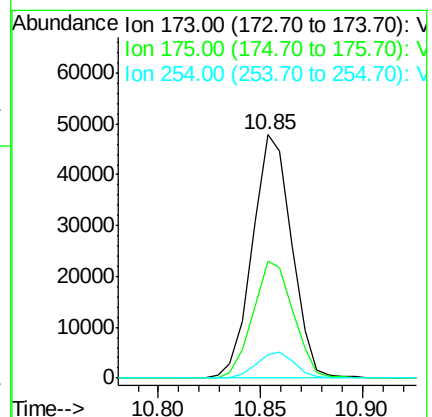
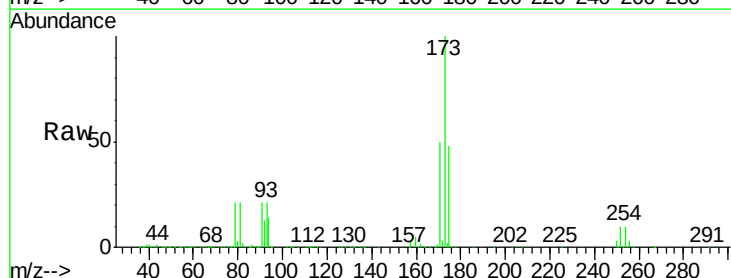
Tgt Ion: 173 Resp: 64278

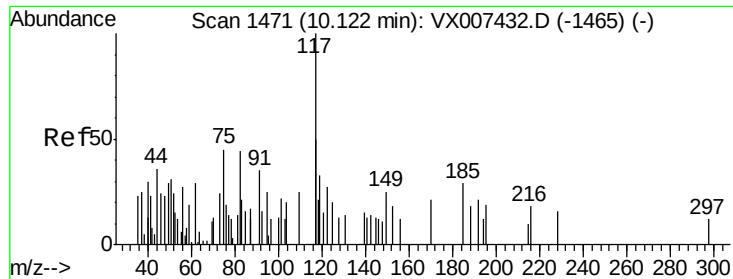
Ion Ratio Lower Upper

173 100

175 49.5 38.9 58.3

254 10.5 8.5 12.7

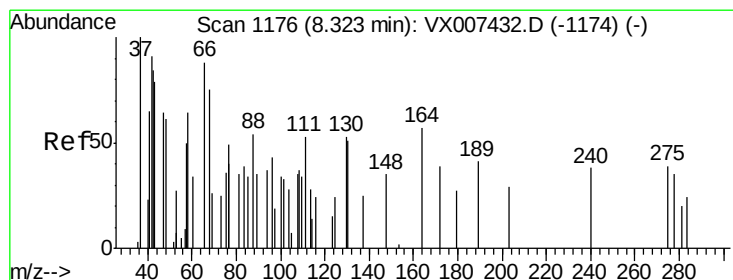
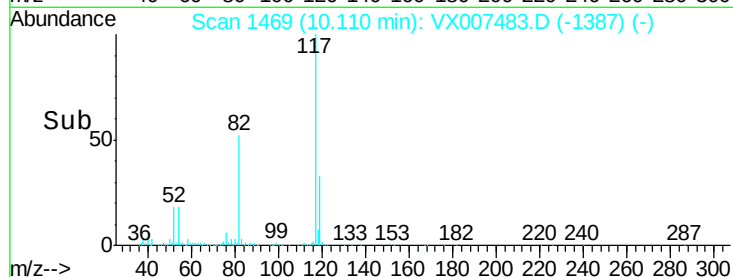
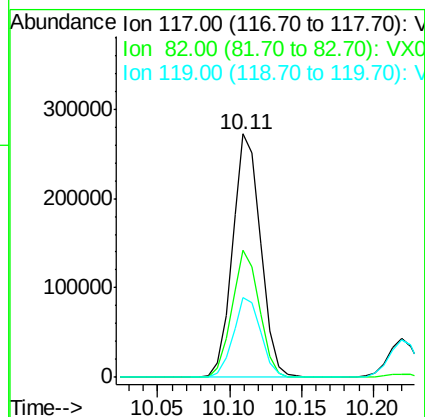
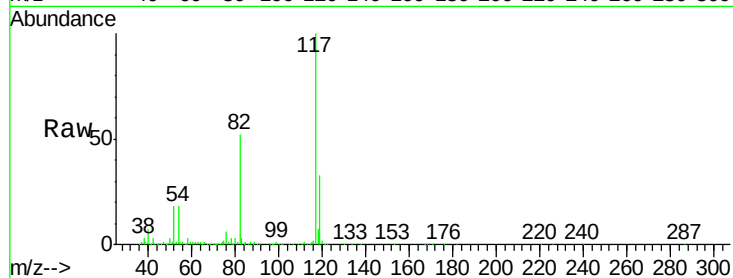




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007483.D
Acq: 12 Feb 2019 12:25

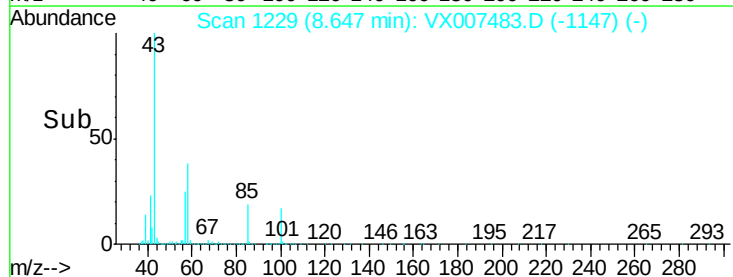
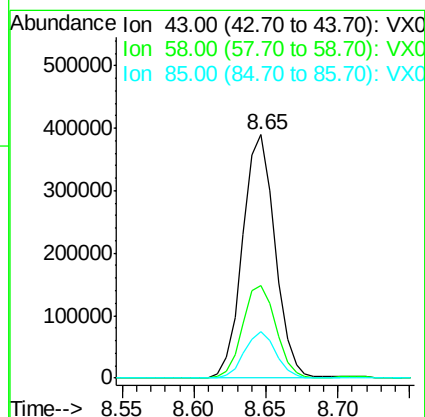
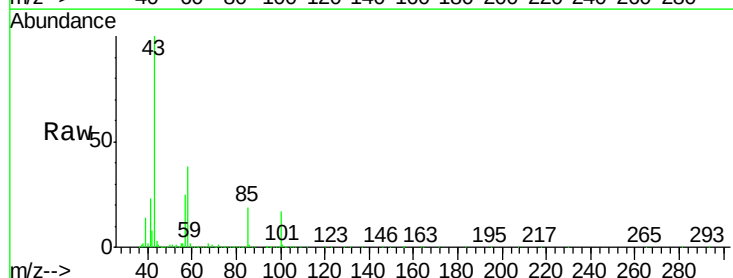
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

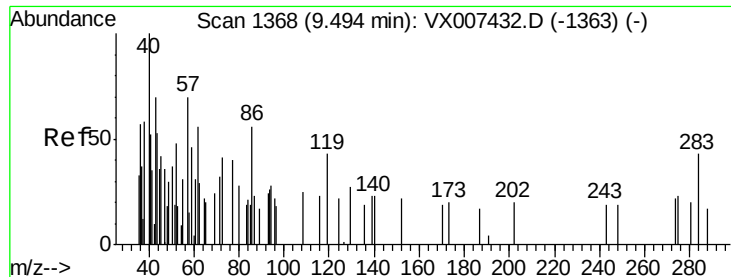
Tot Ion:117 Resp: 370050
Ion Ratio Lower Upper
117 100
82 51.0 41.4 62.0
119 32.0 25.7 38.5



#58
4-Methyl-2-Pentanone
Concen: 98.074 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. 0.00 min
Lab File: VX007483.D
Acq: 12 Feb 2019 12:25

Tgt Ion: 43 Resp: 606872
Ion Ratio Lower Upper
43 100
58 39.1 31.6 47.4
85 18.7 14.9 22.3

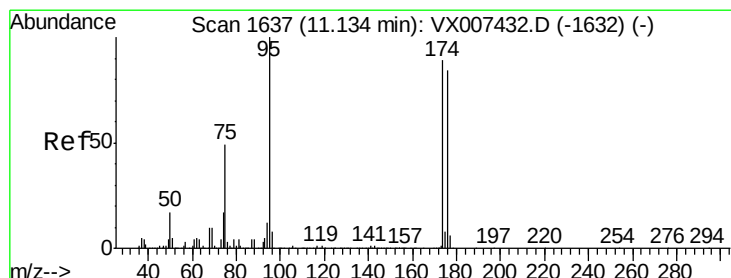
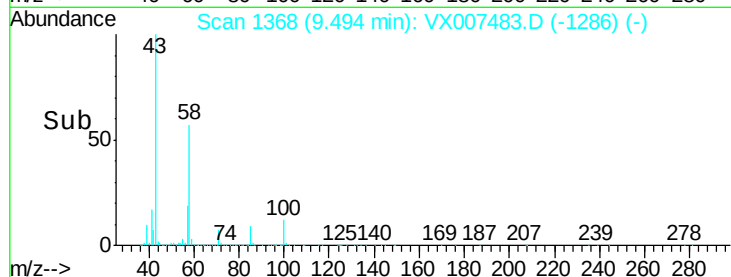
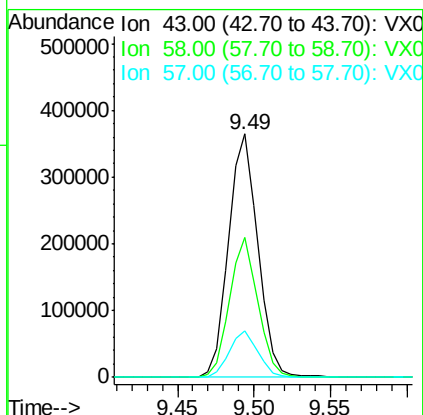
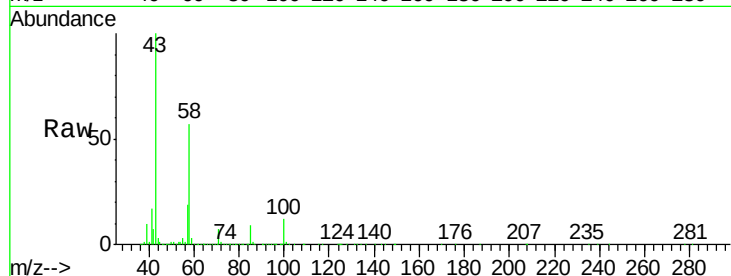




#59
2-Hexanone
Concen: 101.220 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX007483.D
Acq: 12 Feb 2019 12:25

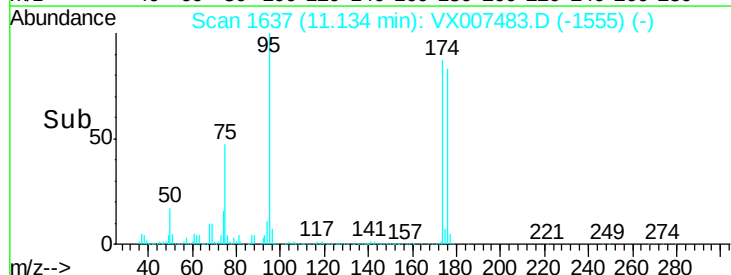
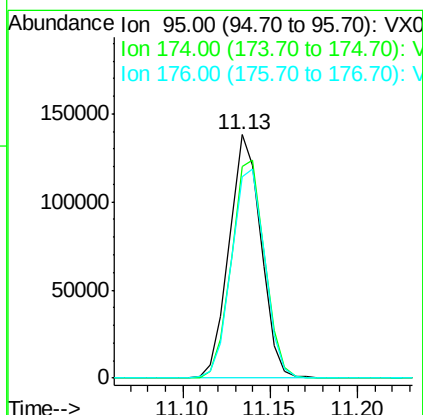
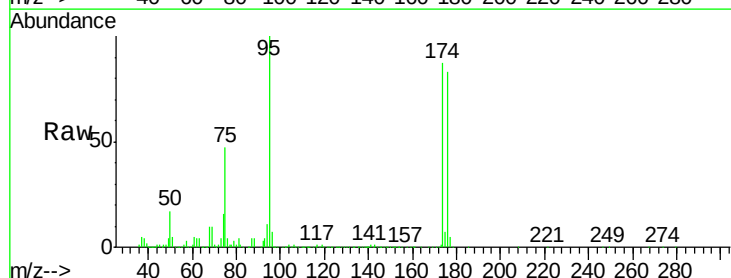
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

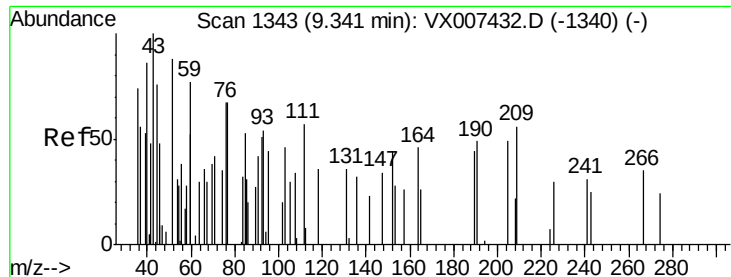
Tot Ion: 43 Resp: 484690
Ion Ratio Lower Upper
43 100
58 55.8 42.8 64.2
57 18.8 14.8 22.2



#60
4-Bromofluorobenzene
Concen: 30.674 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX007483.D
Acq: 12 Feb 2019 12:25

Tgt Ion: 95 Resp: 175196
Ion Ratio Lower Upper
95 100
174 93.2 74.8 112.2
176 89.8 72.5 108.7





#61

Tetrachloroethene

Concen: 18.919 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX007483.D

Acq: 12 Feb 2019 12:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion:164 Resp: 97586

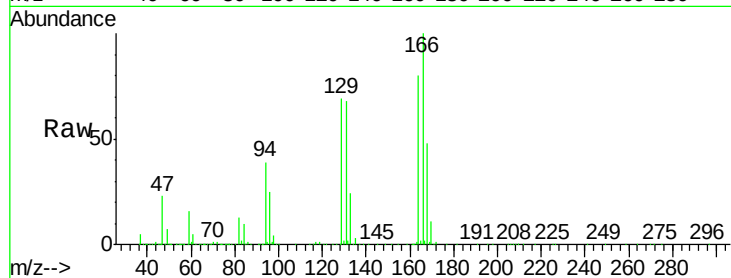
Ion Ratio Lower Upper

164 100

166 125.4 101.6 152.4

129 87.0 70.6 106.0

131 85.4 71.1 106.7

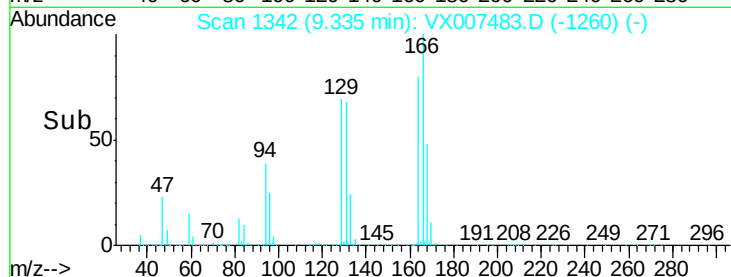


Abundance Ion 163.85 (163.55 to 164.55): V

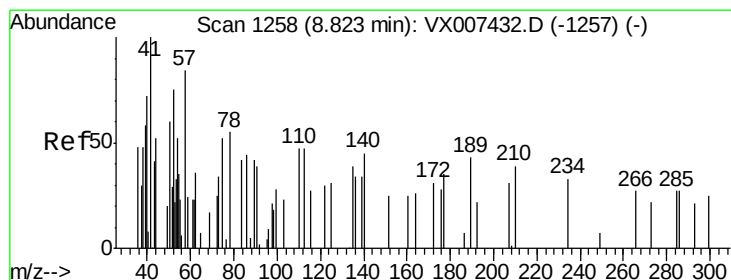
Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



Time-->



#62

Toluene

Concen: 19.280 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX007483.D

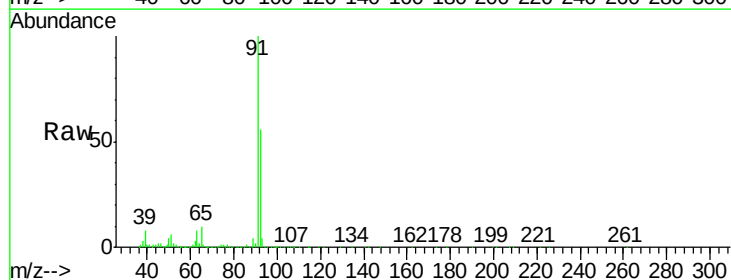
Acq: 12 Feb 2019 12:25

Tgt Ion: 91 Resp: 359126

Ion Ratio Lower Upper

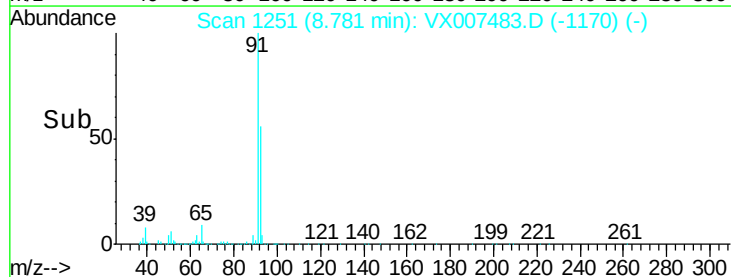
91 100

92 57.5 46.0 69.0

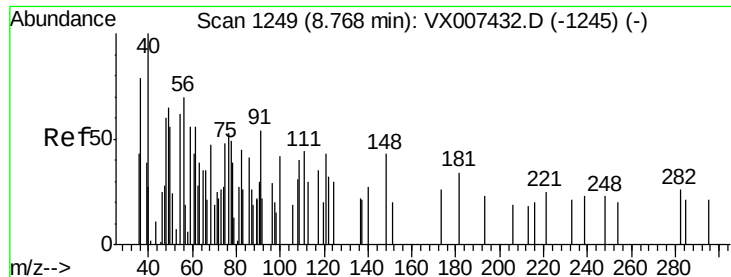


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0



Time-->



#63

Toluene-d8

Concen: 29.815 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007483.D

Acq: 12 Feb 2019 12:25

Instrument :

MSVOA_X

ClientSampleId :

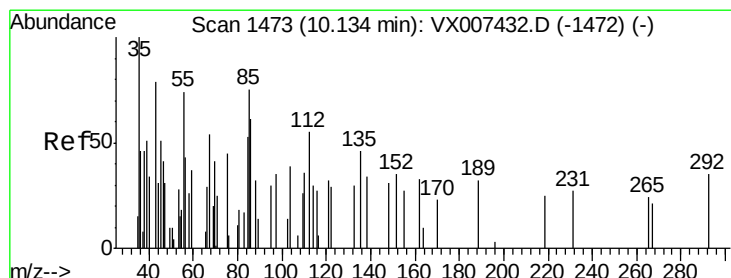
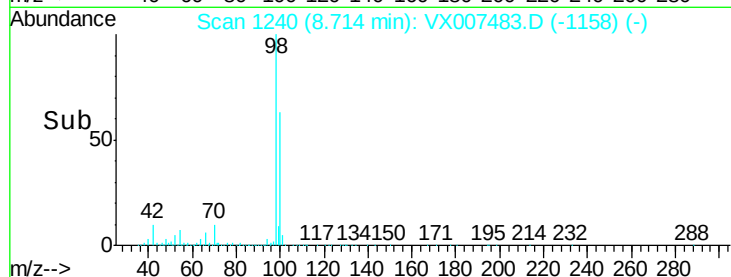
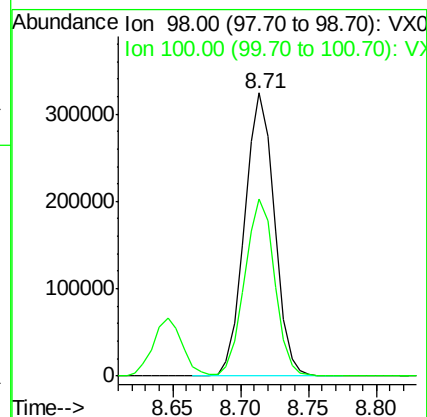
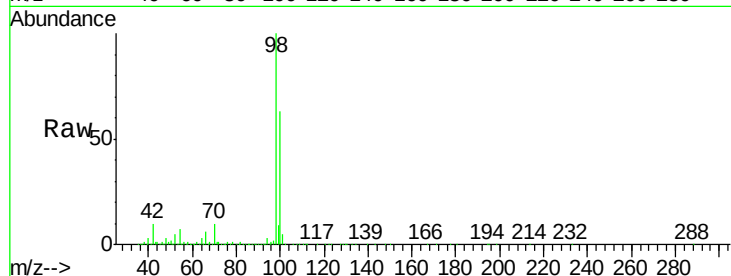
VSTDCCC020

Tot Ion: 98 Resp: 497307

Ion Ratio Lower Upper

98 100

100 63.3 49.9 74.9



#64

Chlorobenzene

Concen: 19.412 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.01 min

Lab File: VX007483.D

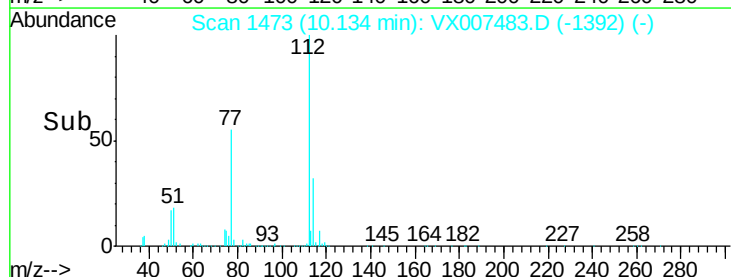
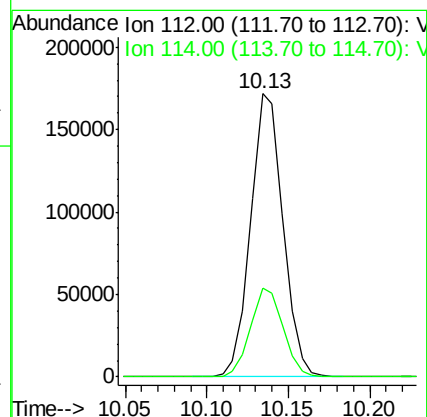
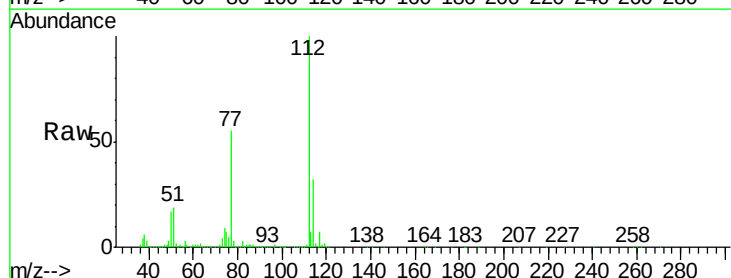
Acq: 12 Feb 2019 12:25

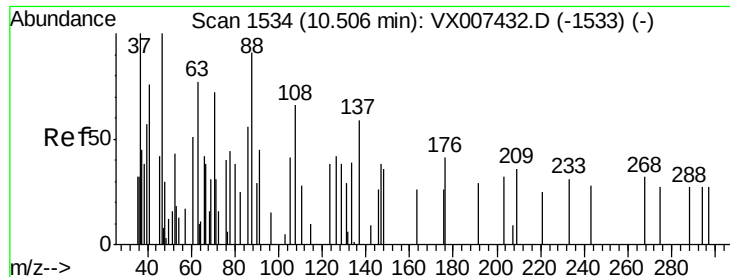
Tgt Ion: 112 Resp: 238525

Ion Ratio Lower Upper

112 100

114 31.5 25.4 38.0

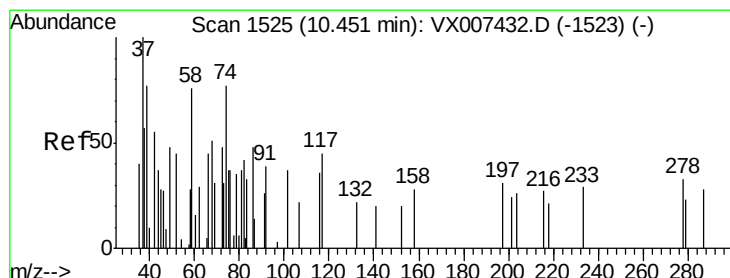
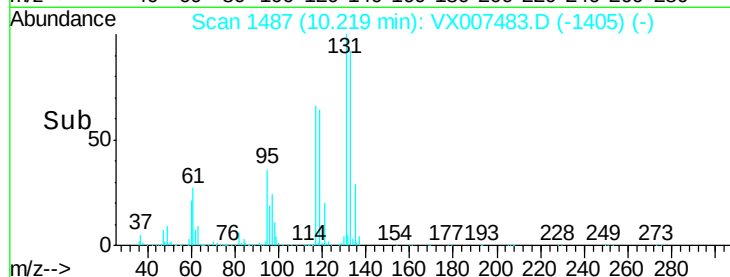
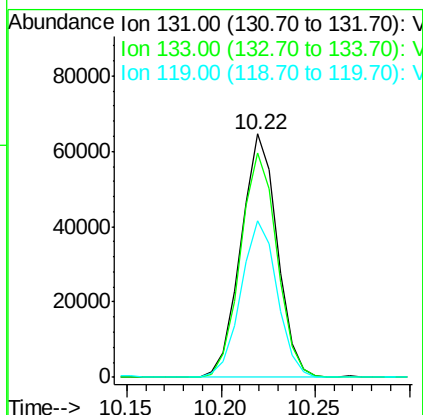
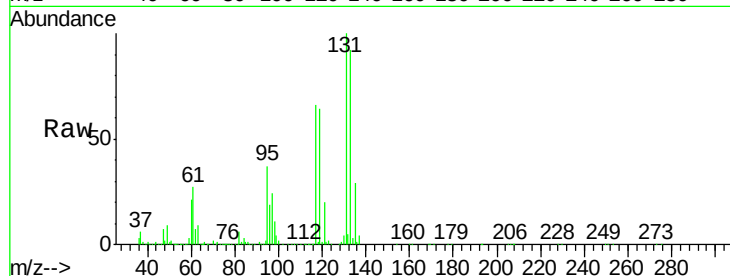




#65
 1,1,1,2-Tetrachloroethane
 Concen: 19.909 ug/l
 RT: 10.22 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VX007483.D
 Acq: 12 Feb 2019 12:25

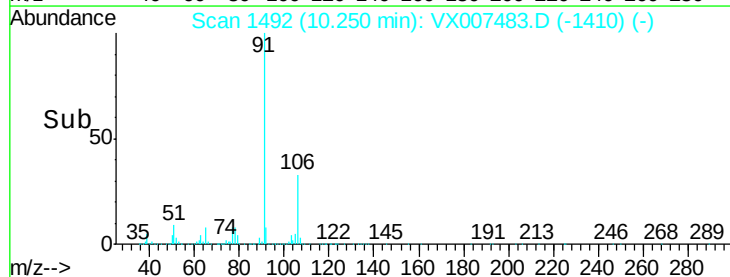
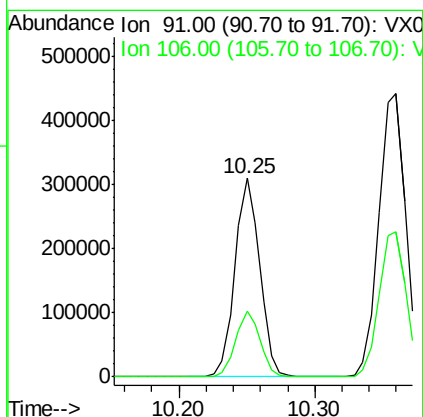
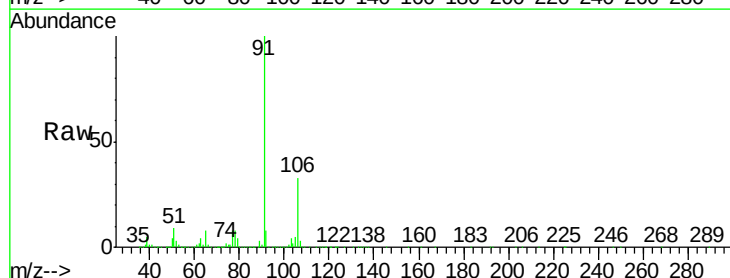
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

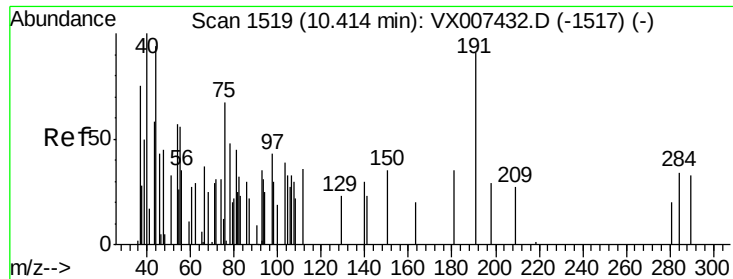
Tot Ion:131 Resp: 86654
 Ion Ratio Lower Upper
 131 100
 133 92.6 0.0 196.4
 119 63.6 0.0 134.4



#66
 Ethyl Benzene
 Concen: 19.492 ug/l
 RT: 10.25 min Scan# 1492
 Delta R.T. 0.00 min
 Lab File: VX007483.D
 Acq: 12 Feb 2019 12:25

Tgt Ion: 91 Resp: 393362
 Ion Ratio Lower Upper
 91 100
 106 32.9 25.1 37.7

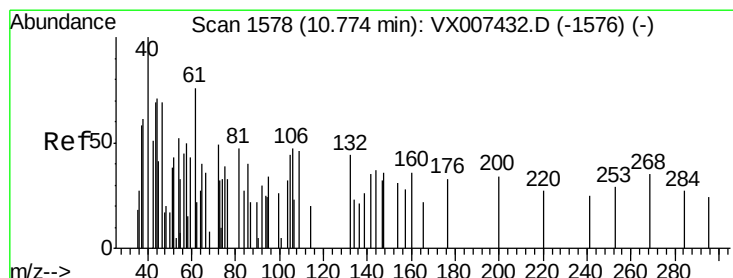
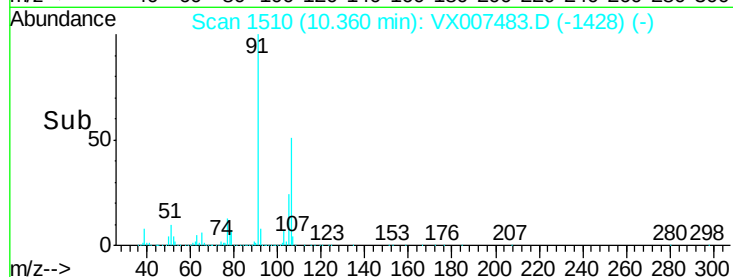
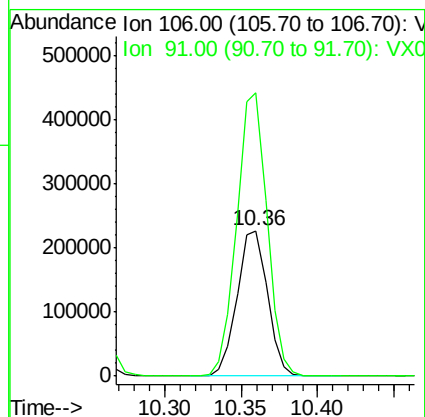
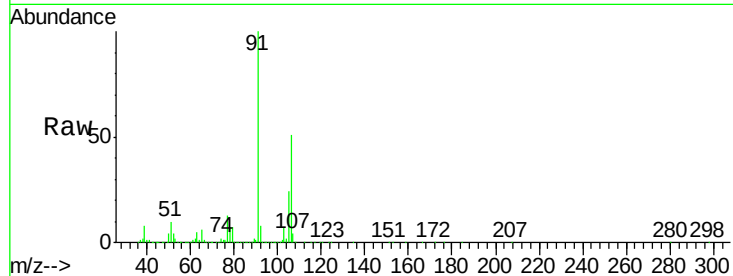




#67
m/p-Xylenes
Concen: 39.424 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX007483.D
Acq: 12 Feb 2019 12:25

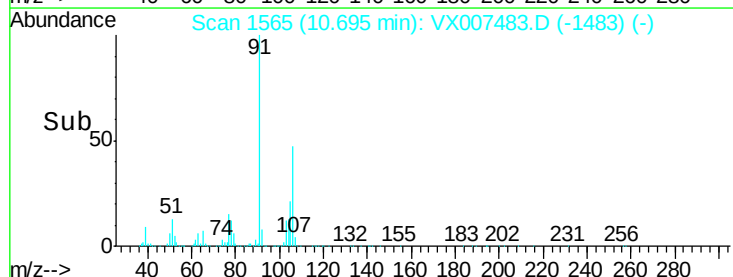
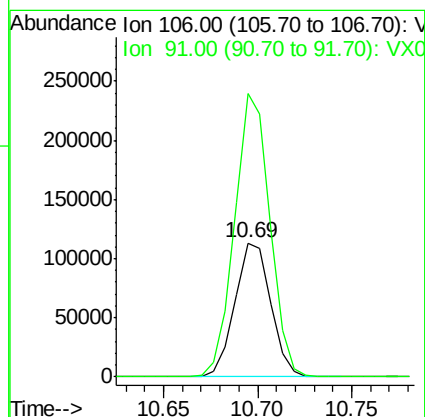
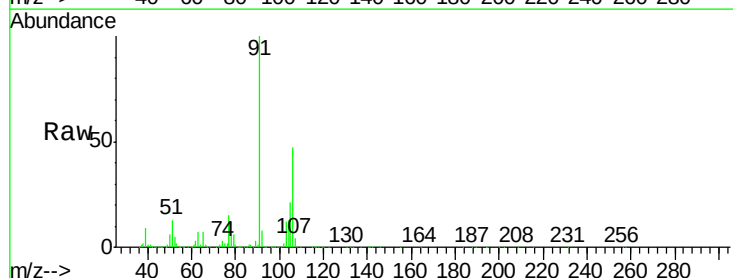
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

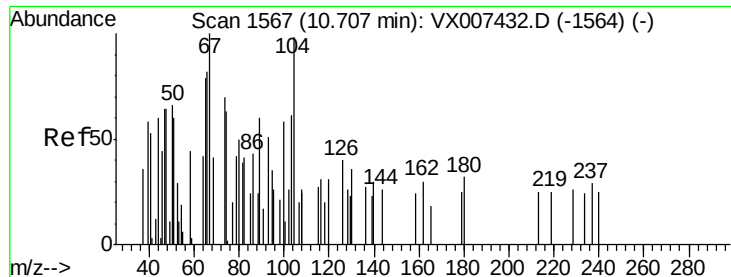
Tot Ion:106 Resp: 314199
Ion Ratio Lower Upper
106 100
91 192.7 157.6 236.4



#68
o-Xylene
Concen: 19.203 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX007483.D
Acq: 12 Feb 2019 12:25

Tgt Ion:106 Resp: 149919
Ion Ratio Lower Upper
106 100
91 205.9 103.6 310.8





#69

Stvrene

Concen: 19.376 ug/l

RT: 10.71 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VX007483.D

Acq: 12 Feb 2019 12:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

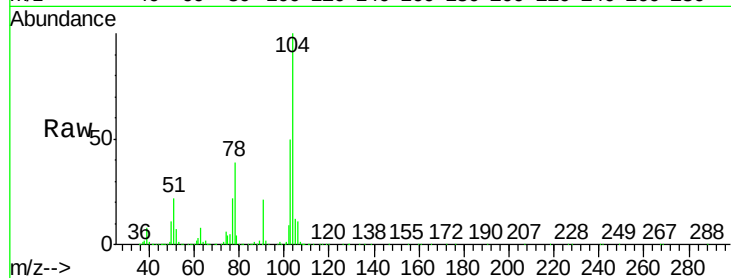
Tot Ion:104 Resp: 244043

Ion Ratio Lower Upper

104 100

78 46.9 37.8 56.8

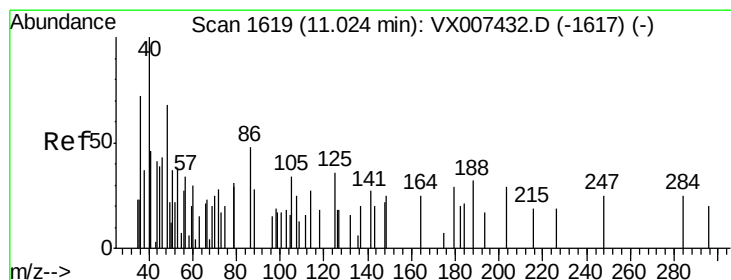
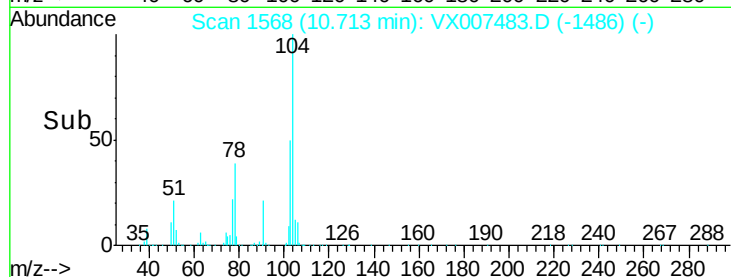
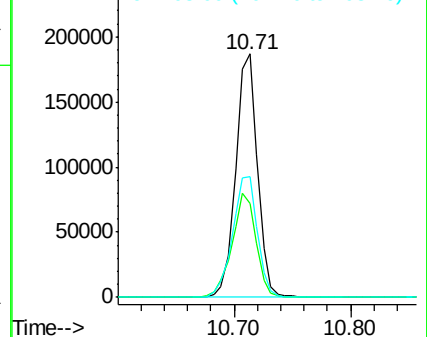
103 56.4 45.3 67.9



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: 19.936 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX007483.D

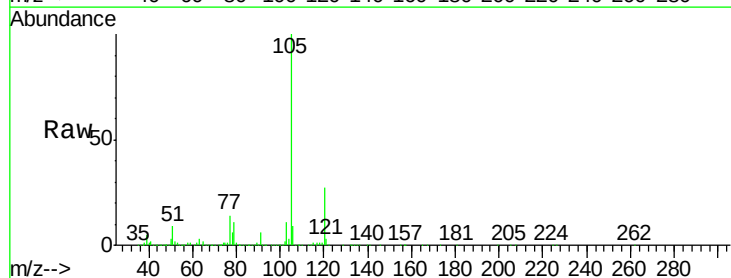
Acq: 12 Feb 2019 12:25

Tgt Ion:105 Resp: 412048

Ion Ratio Lower Upper

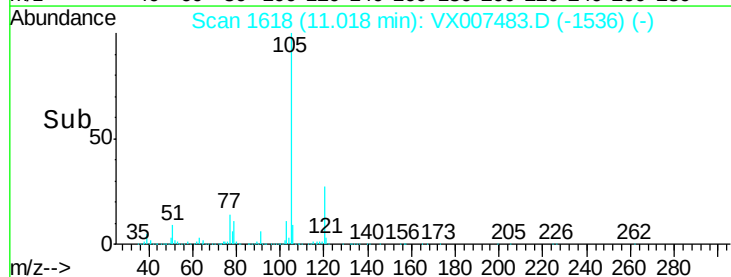
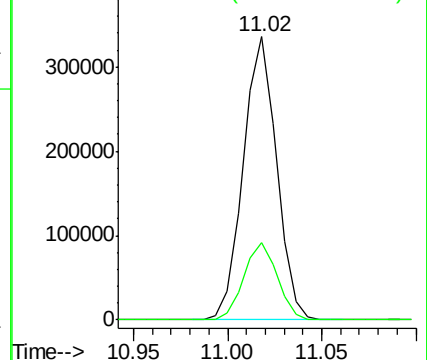
105 100

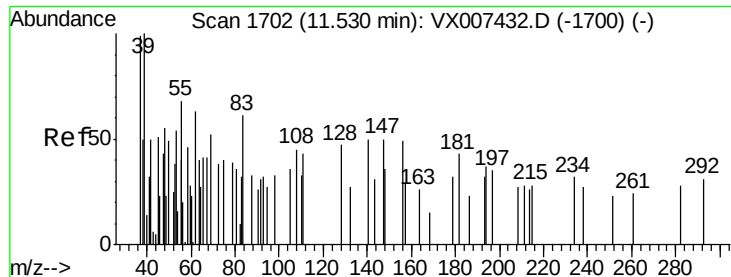
120 27.4 19.9 36.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

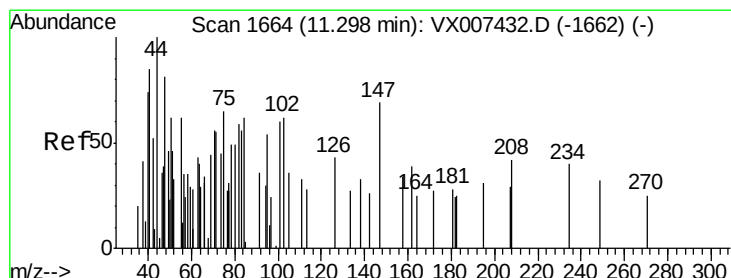
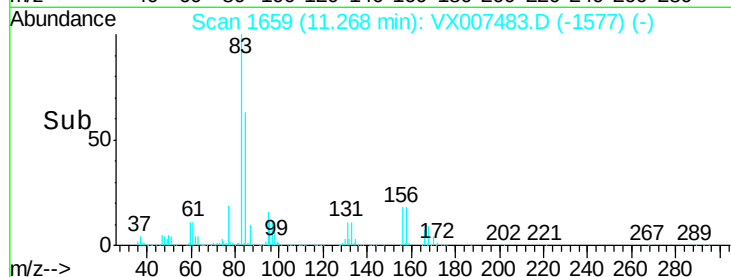
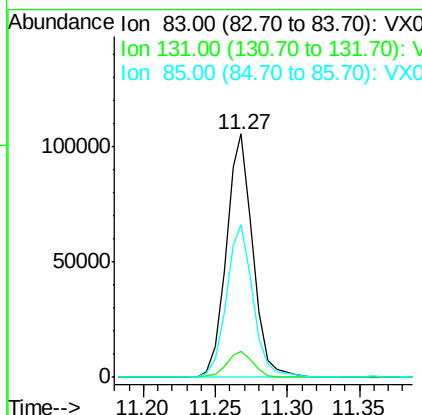
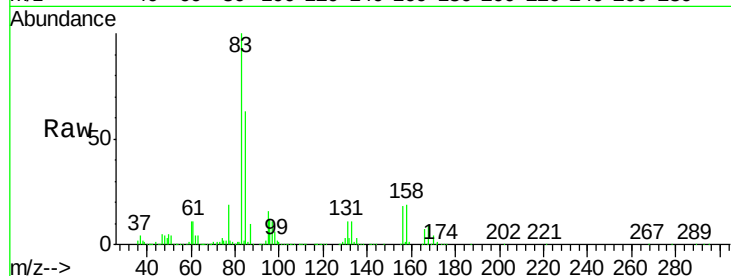




#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.577 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. 0.00 min
 Lab File: VX007483.D
 Acq: 12 Feb 2019 12:25

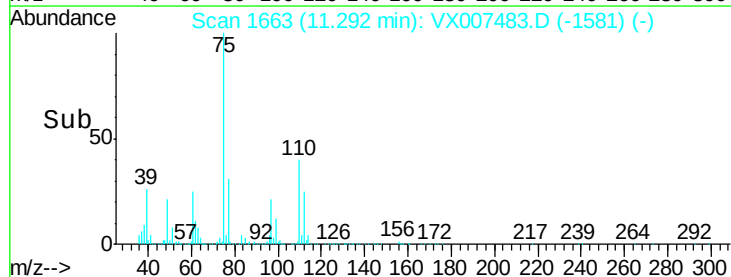
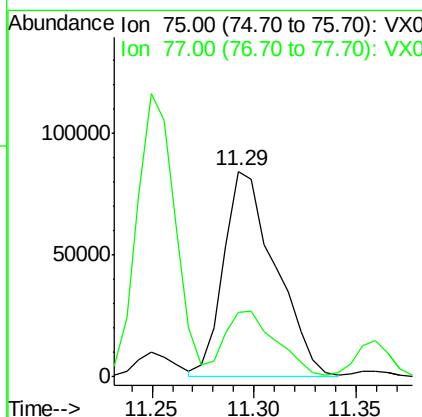
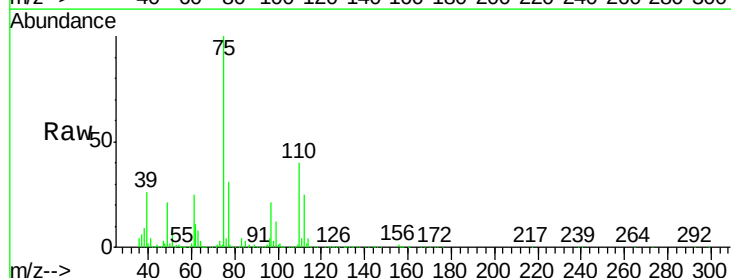
Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC020

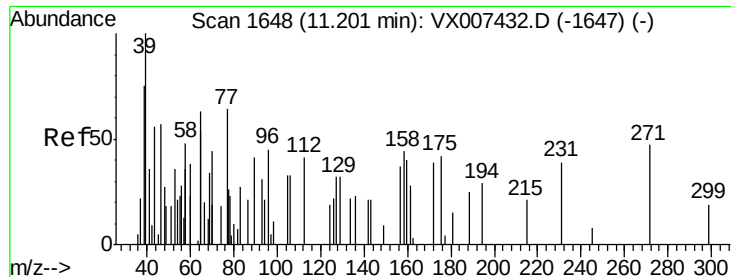
Tot Ion: 83 Resp: 136169
 Ion Ratio Lower Upper
 83 100
 131 11.0 5.3 15.9
 85 63.2 31.8 95.3



#72
 1,2,3-Trichloropropane
 Concen: 23.922 ug/l
 RT: 11.29 min Scan# 1663
 Delta R.T. 0.00 min
 Lab File: VX007483.D
 Acq: 12 Feb 2019 12:25

Tgt Ion: 75 Resp: 148839
 Ion Ratio Lower Upper
 75 100
 77 32.3 0.0 73.2





#73

Bromobenzene

Concen: 18.902 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX007483.D

Acq: 12 Feb 2019 12:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

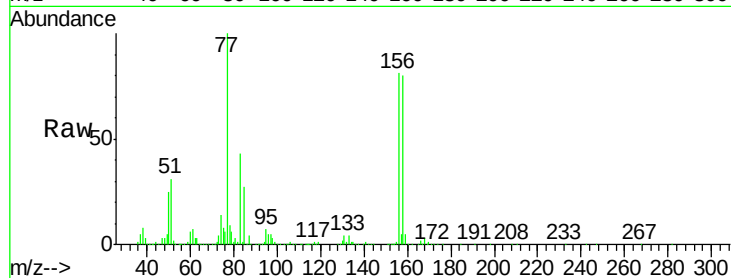
Tot Ion:156 Resp: 108134

Ion Ratio Lower Upper

156 100

77 138.6 0.0 267.0

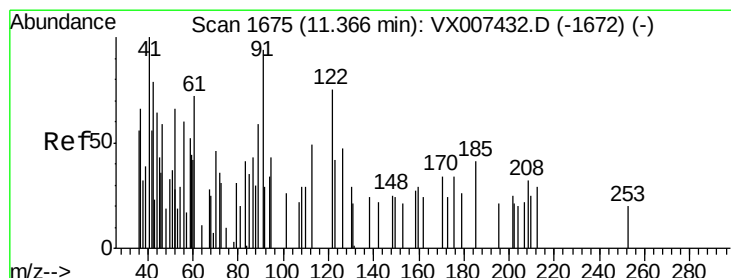
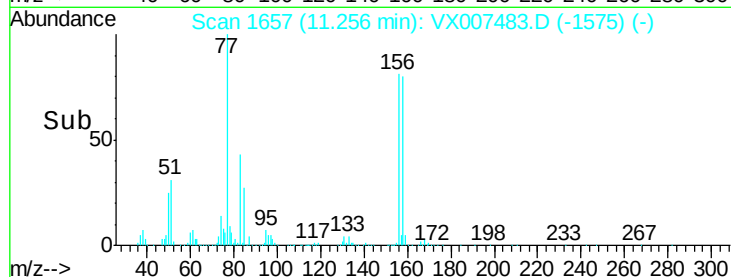
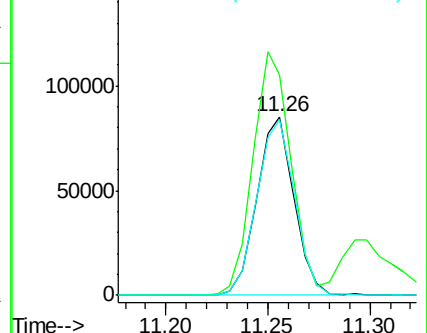
158 100.3 0.0 194.6



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: 19.719 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX007483.D

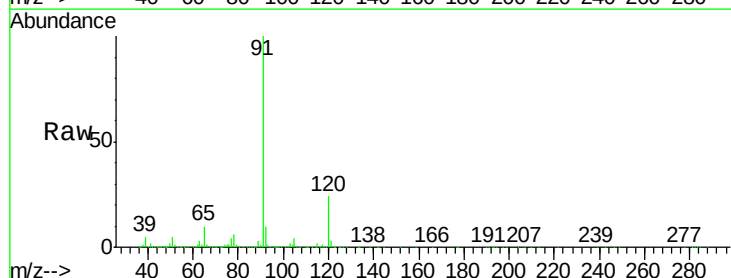
Acq: 12 Feb 2019 12:25

Tgt Ion: 91 Resp: 458674

Ion Ratio Lower Upper

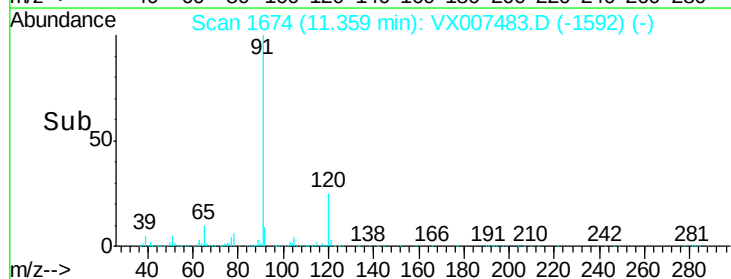
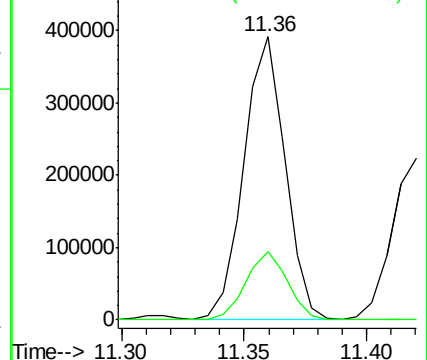
91 100

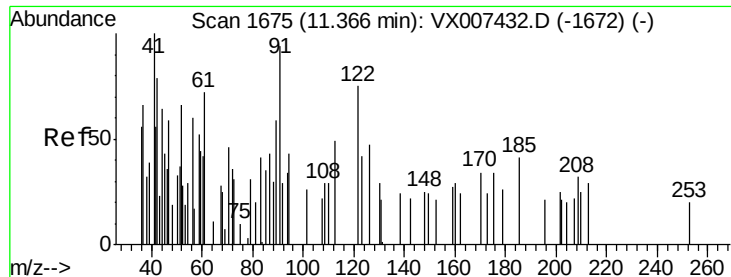
120 24.6 0.0 48.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.784 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX007483.D

Acq: 12 Feb 2019 12:25

Instrument :

MSVOA_X

ClientSampleId :

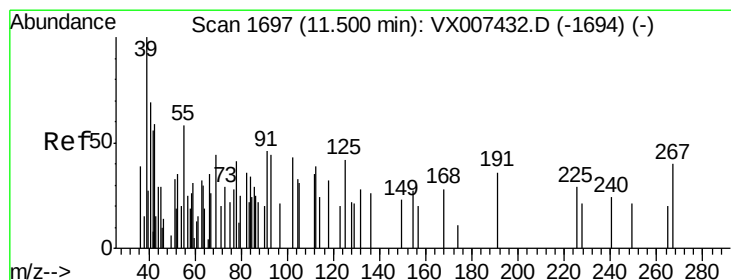
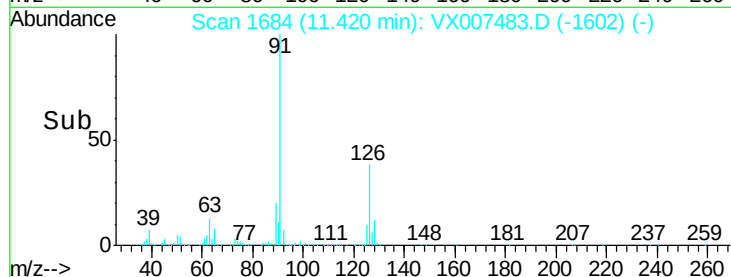
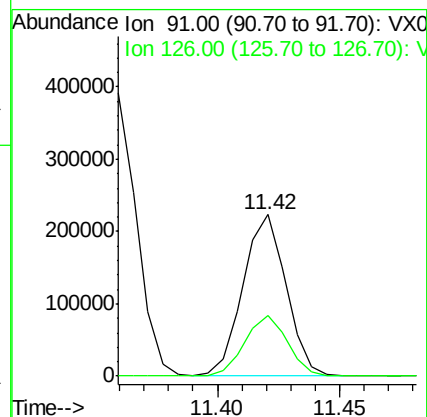
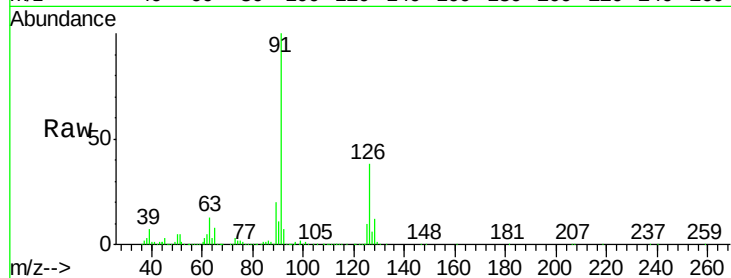
VSTDCCC020

Tot Ion: 91 Resp: 272903

Ion Ratio Lower Upper

91 100

126 37.5 0.0 72.8



#76

1,3,5-Trimethylbenzene

Concen: 19.361 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX007483.D

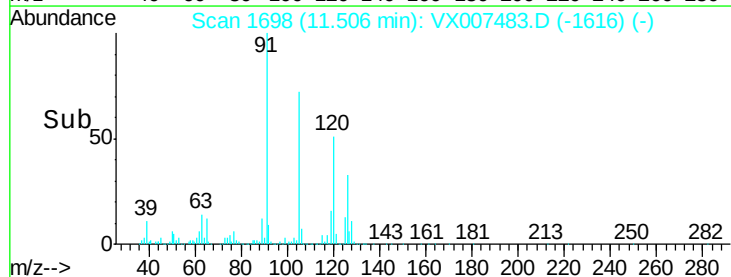
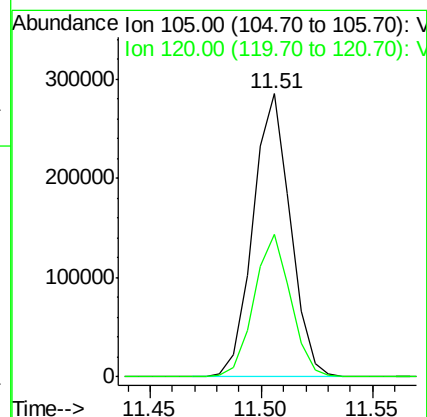
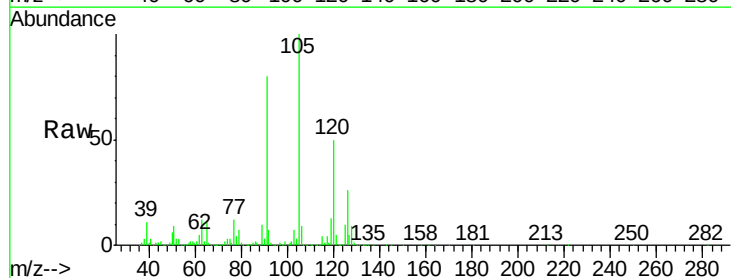
Acq: 12 Feb 2019 12:25

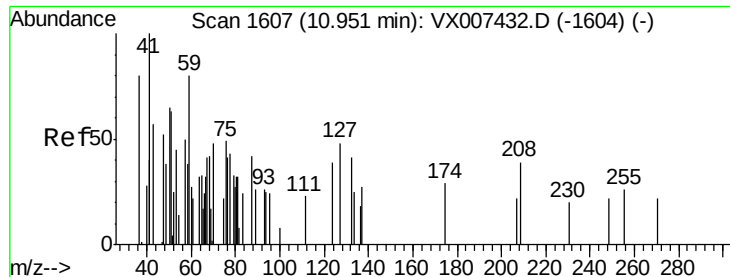
Tgt Ion: 105 Resp: 333993

Ion Ratio Lower Upper

105 100

120 49.4 0.0 99.8





#77

t-1,4-Dichloro-2-butene

Concen: 18.541 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX007483.D

Acq: 12 Feb 2019 12:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

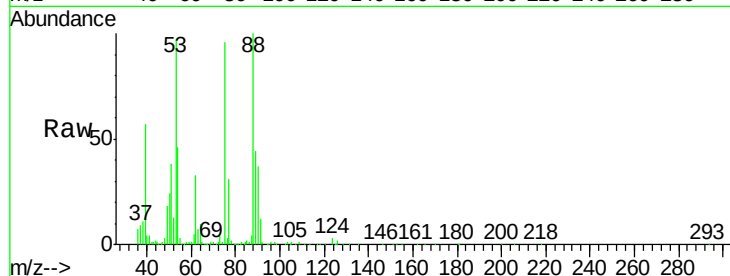
Tot Ion: 75 Resp: 33516

Ion Ratio Lower Upper

75 100

53 100.1 55.9 167.6

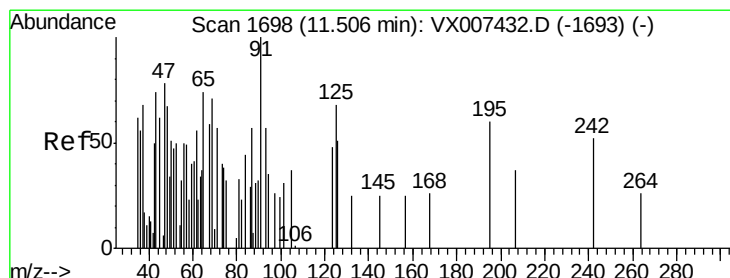
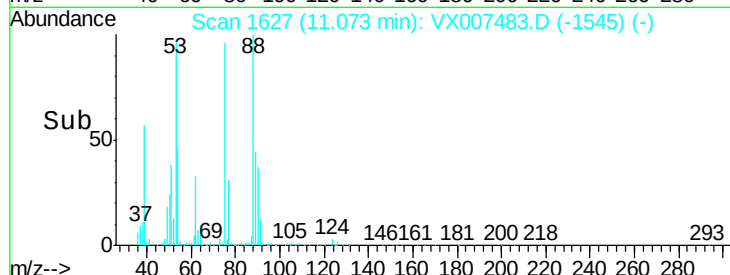
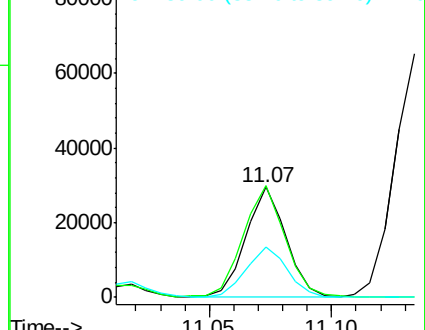
89 45.7 24.1 72.4



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: 18.949 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX007483.D

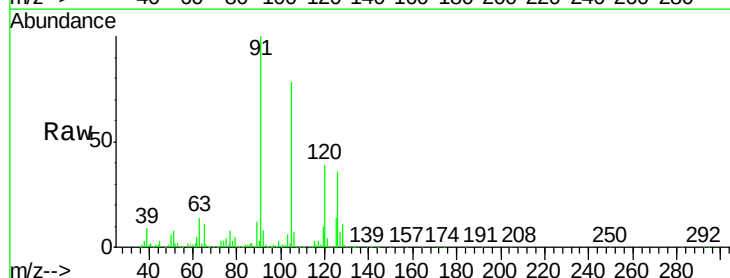
Acq: 12 Feb 2019 12:25

Tgt Ion: 91 Resp: 304343

Ion Ratio Lower Upper

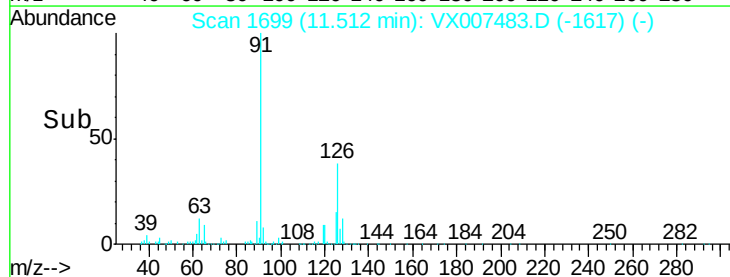
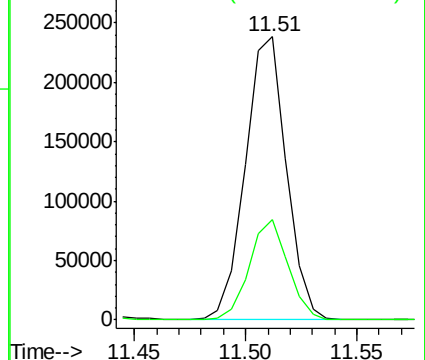
91 100

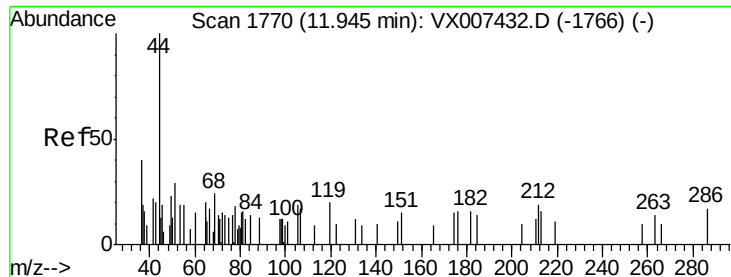
126 33.7 0.0 63.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V

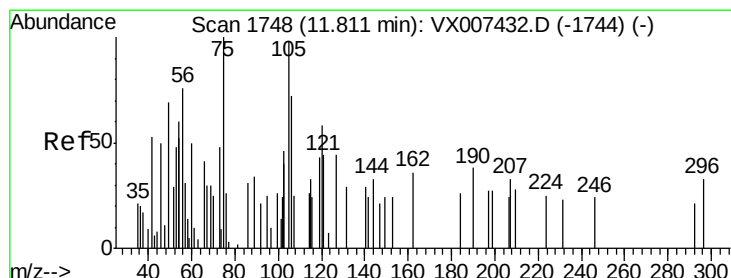
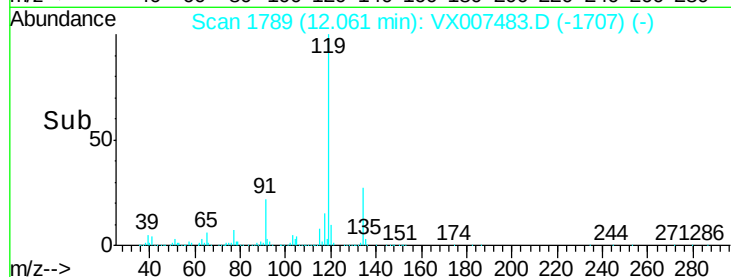
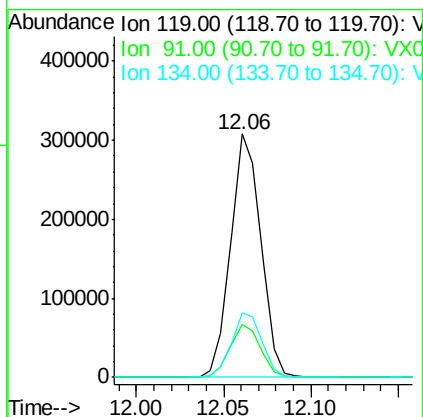
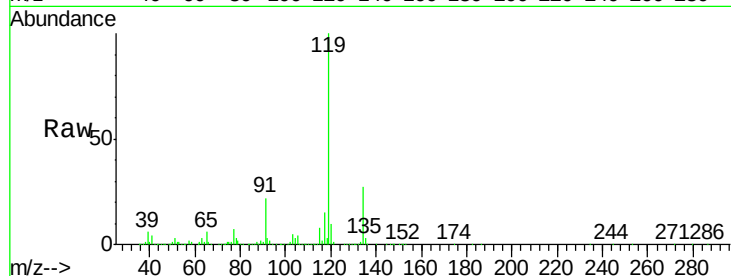




#79
tert-butylbenzene
Concen: 19.848 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VX007483.D
Acq: 12 Feb 2019 12:25

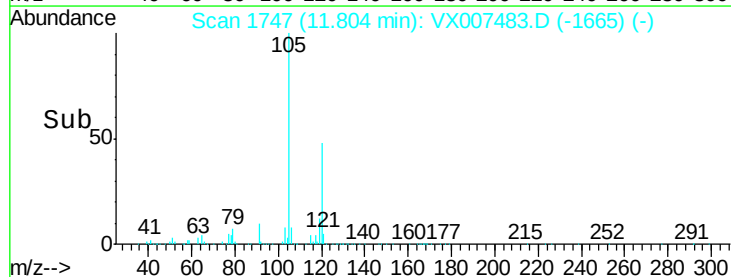
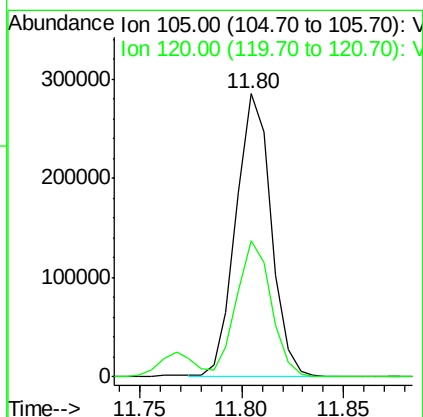
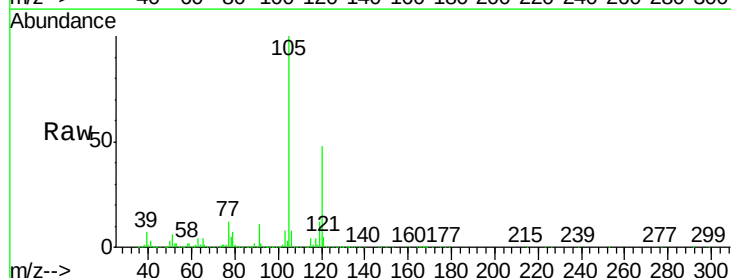
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

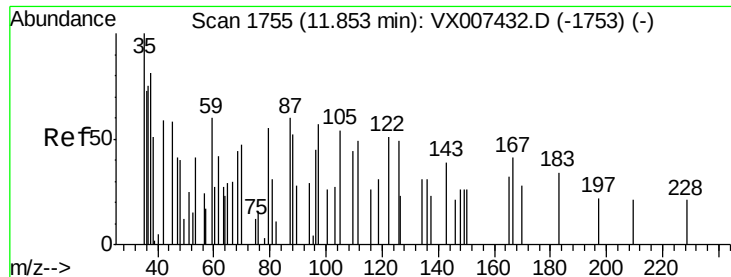
Tot Ion:119 Resp: 370456
Ion Ratio Lower Upper
119 100
91 21.9 0.0 45.0
134 26.8 0.0 55.8



#80
1,2,4-Trimethylbenzene
Concen: 19.524 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX007483.D
Acq: 12 Feb 2019 12:25

Tgt Ion:105 Resp: 341021
Ion Ratio Lower Upper
105 100
120 46.8 0.0 94.4

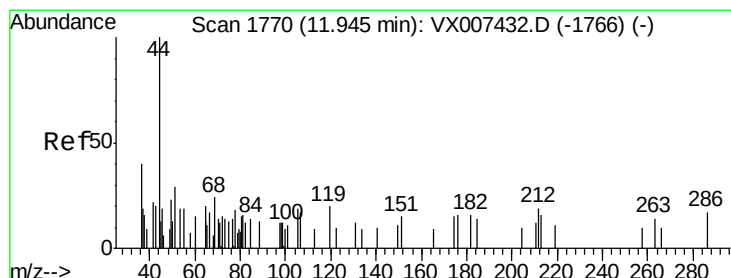
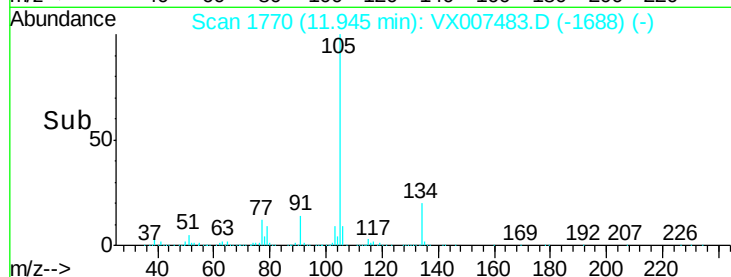
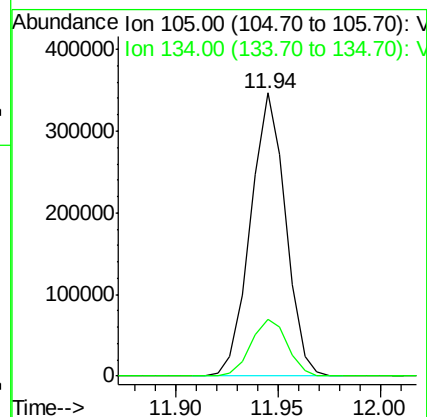
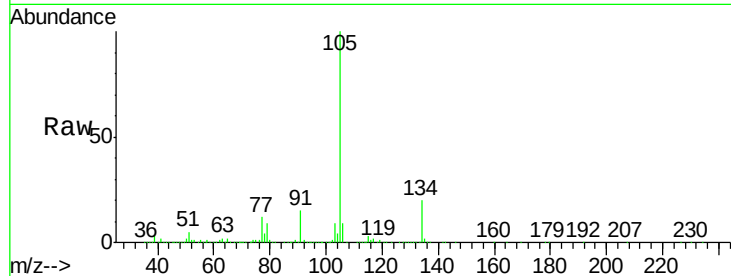




#81
 sec-Butylbenzene
 Concen: 19.913 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX007483.D
 Acq: 12 Feb 2019 12:25

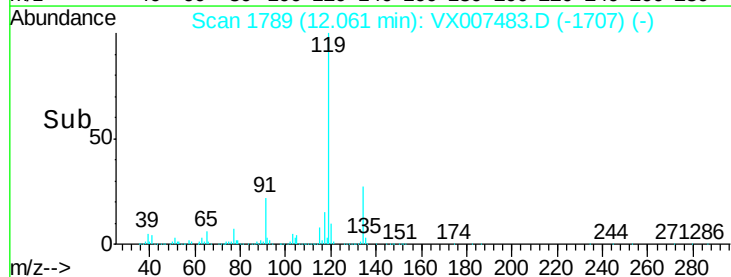
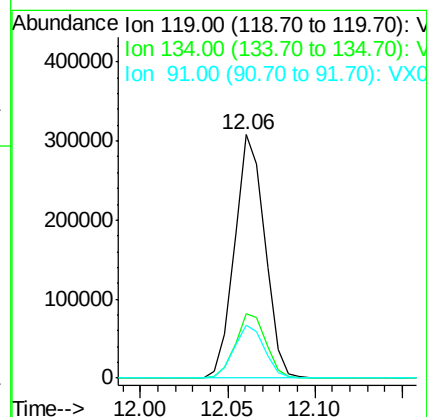
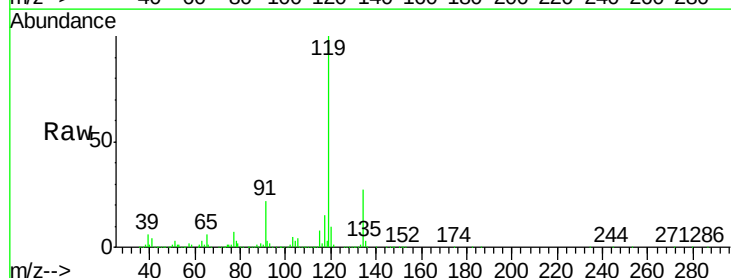
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

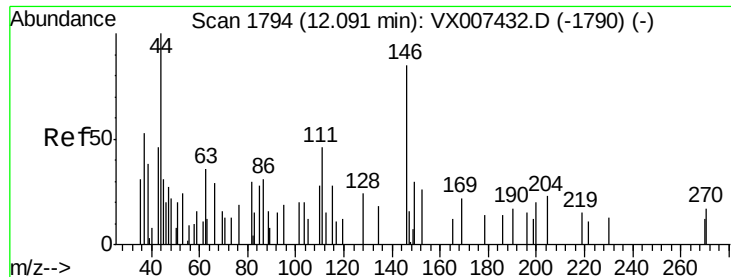
Tot Ion:105 Resp: 414197
 Ion Ratio Lower Upper
 105 100
 134 21.0 0.0 42.2



#82
 p-Isopropyltoluene
 Concen: 19.848 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX007483.D
 Acq: 12 Feb 2019 12:25

Tgt Ion:119 Resp: 370456
 Ion Ratio Lower Upper
 119 100
 134 26.8 0.0 55.8
 91 21.9 0.0 45.0





#83

1,3-Dichlorobenzene

Concen: 19.674 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX007483.D

Acq: 12 Feb 2019 12:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

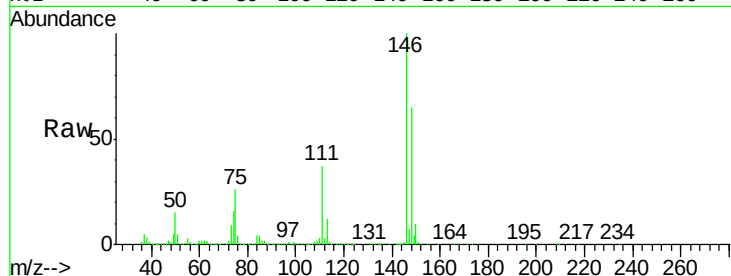
Tot Ion:146 Resp: 200068

Ion Ratio Lower Upper

146 100

111 37.2 19.0 57.0

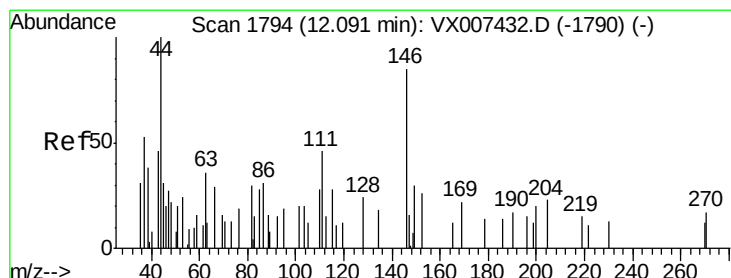
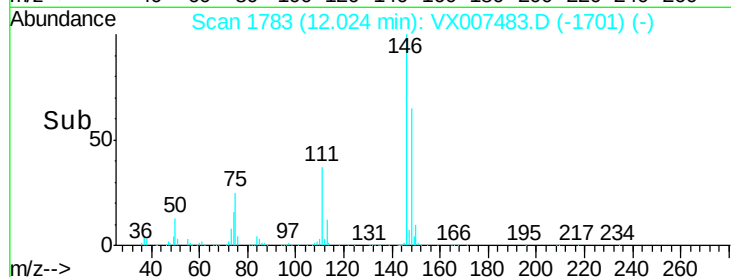
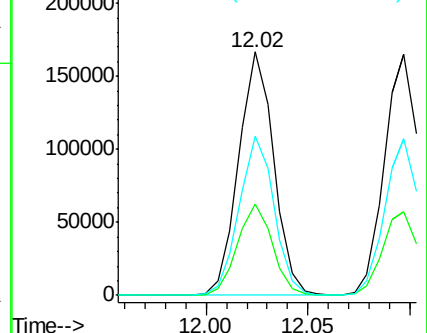
148 64.8 31.6 94.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#84

1,4-Dichlorobenzene

Concen: 19.811 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX007483.D

Acq: 12 Feb 2019 12:25

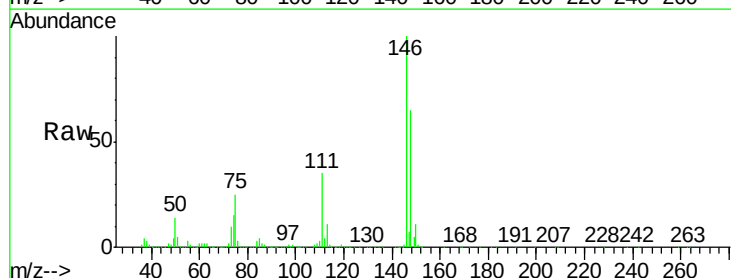
Tgt Ion:146 Resp: 201562

Ion Ratio Lower Upper

146 100

111 35.3 17.4 52.2

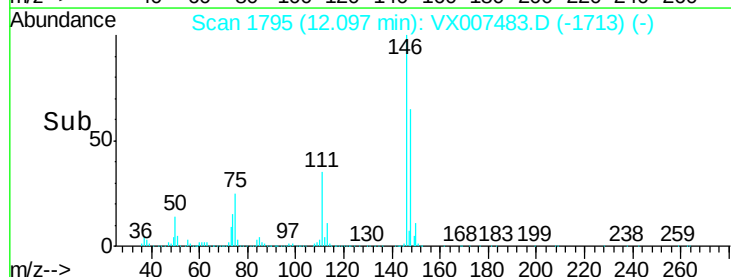
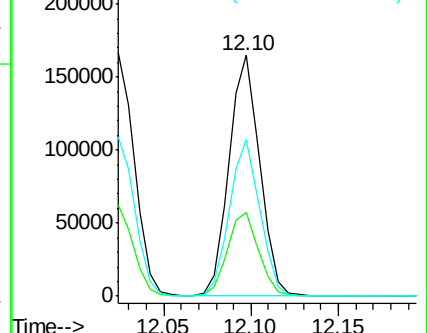
148 64.4 31.9 95.5

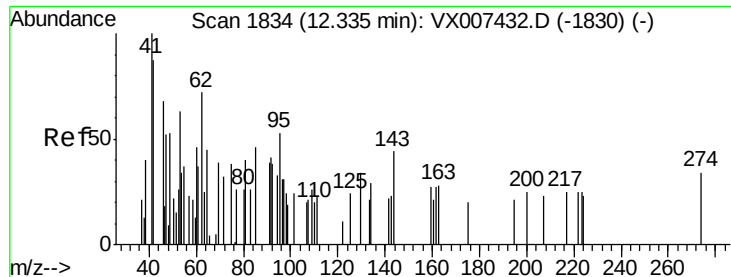


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#85

n-Butylbenzene

Concen: 19.165 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX007483.D

Acq: 12 Feb 2019 12:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

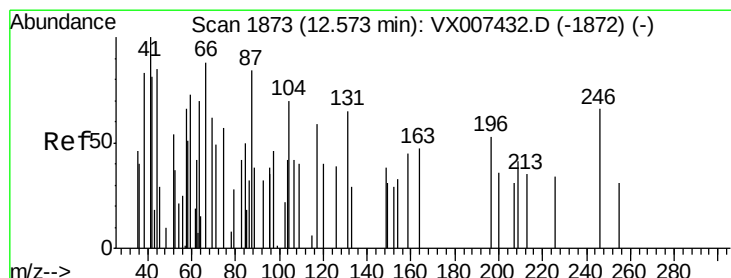
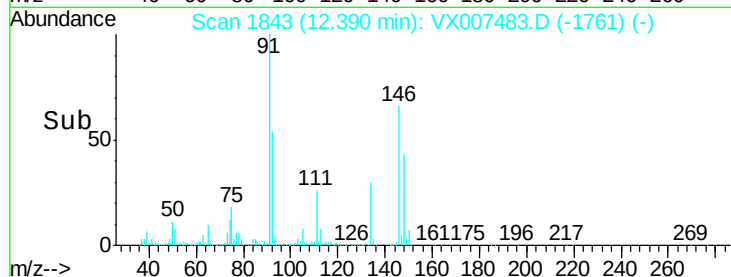
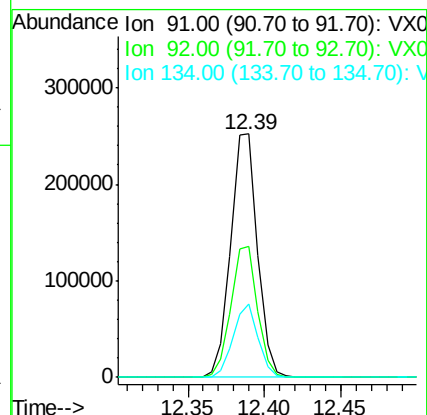
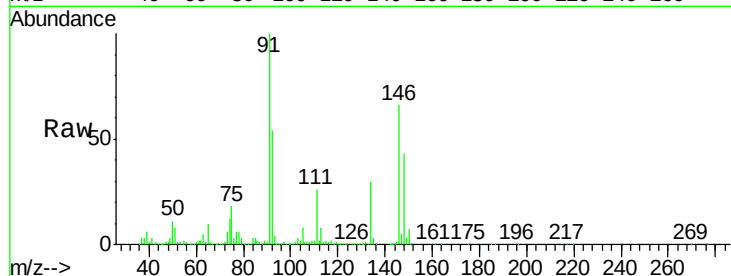
Tot Ion: 91 Resp: 306984

Ion Ratio Lower Upper

91 100

92 53.4 0.0 106.2

134 28.0 0.0 55.4



#86

Hexachloroethane

Concen: 19.870 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX007483.D

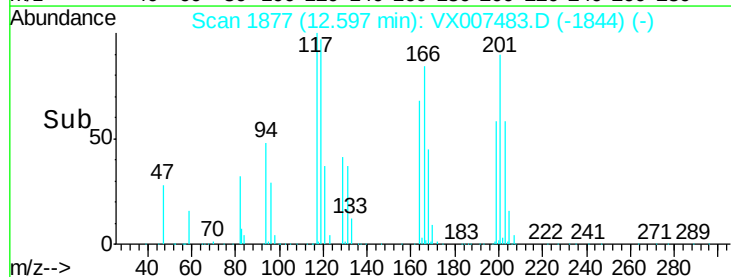
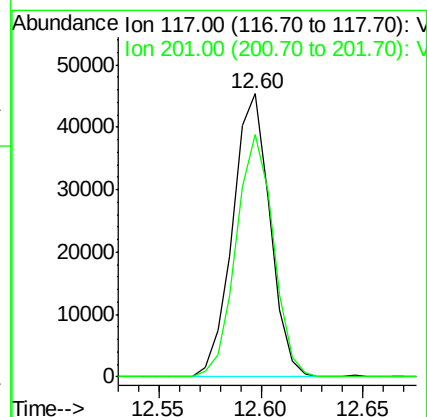
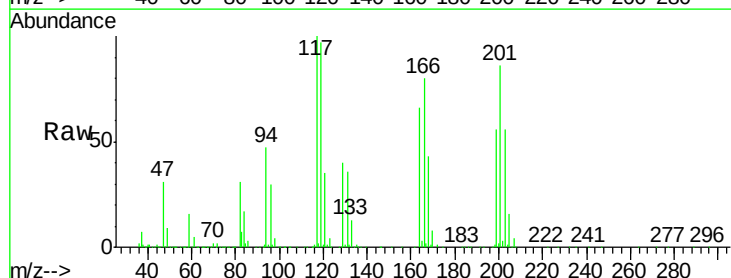
Acq: 12 Feb 2019 12:25

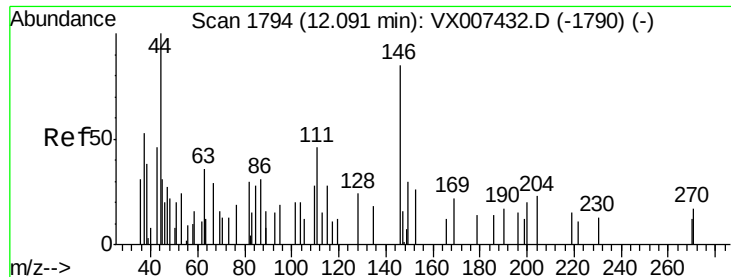
Tgt Ion: 117 Resp: 57340

Ion Ratio Lower Upper

117 100

201 85.4 41.6 124.8

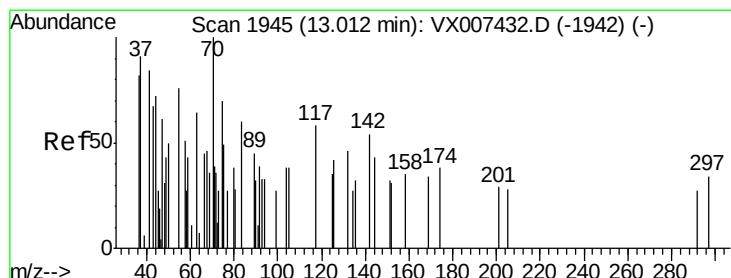
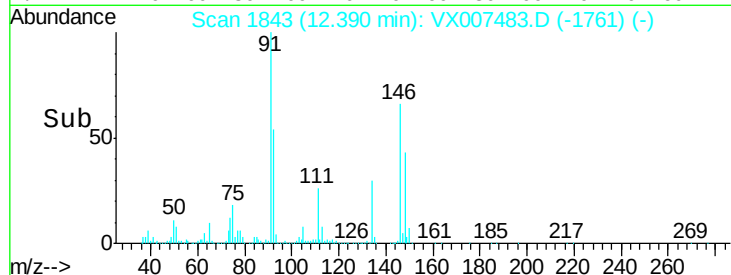
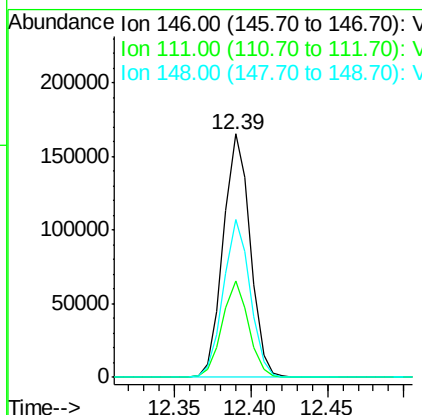
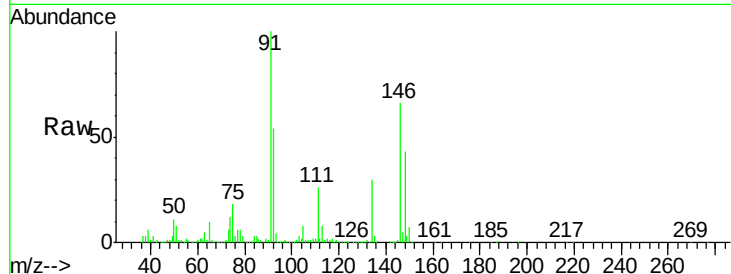




#87
 1,2-Dichlorobenzene
 Concen: 19.968 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX007483.D
 Acq: 12 Feb 2019 12:25

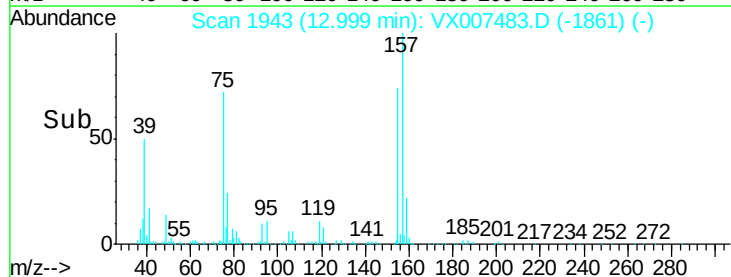
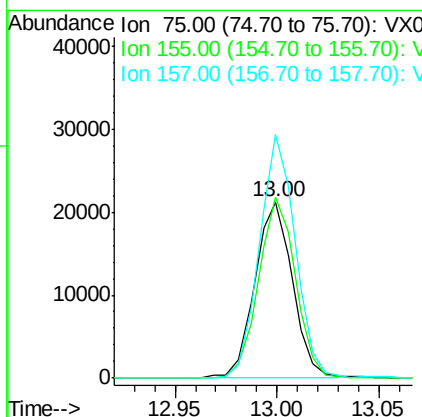
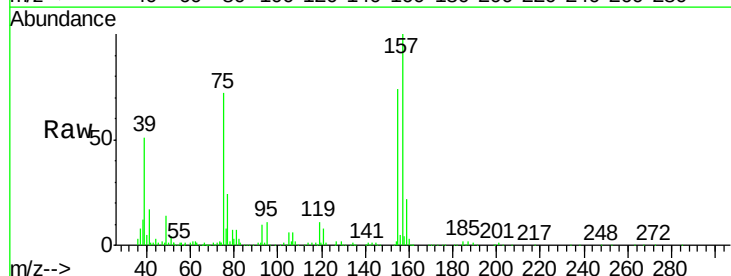
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

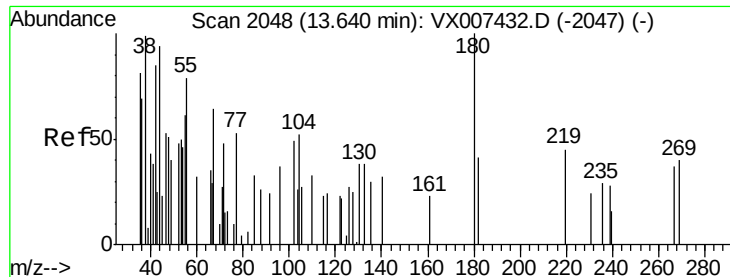
Tot Ion:146 Resp: 202186
 Ion Ratio Lower Upper
 146 100
 111 38.9 19.3 57.9
 148 64.0 32.0 96.0



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.877 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX007483.D
 Acq: 12 Feb 2019 12:25

Tgt Ion: 75 Resp: 26810
 Ion Ratio Lower Upper
 75 100
 155 101.1 82.8 124.2
 157 134.2 106.9 160.3

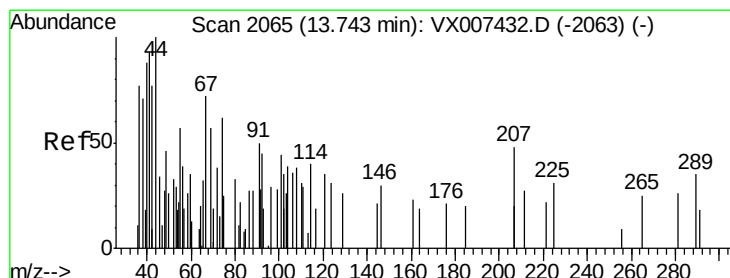
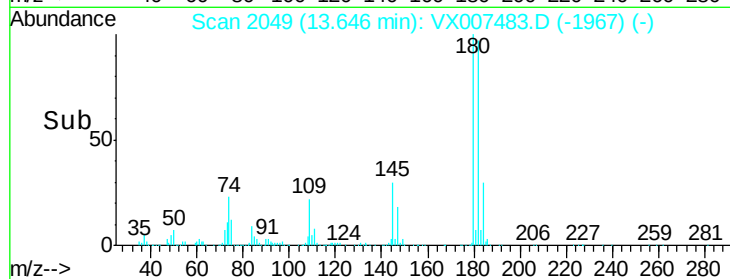
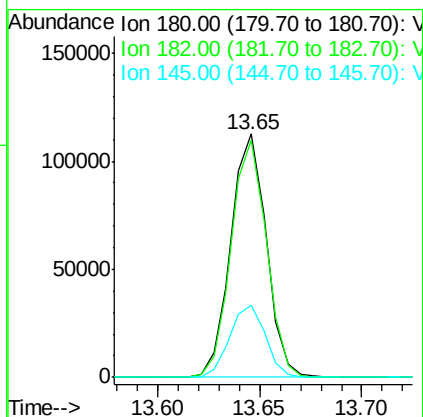
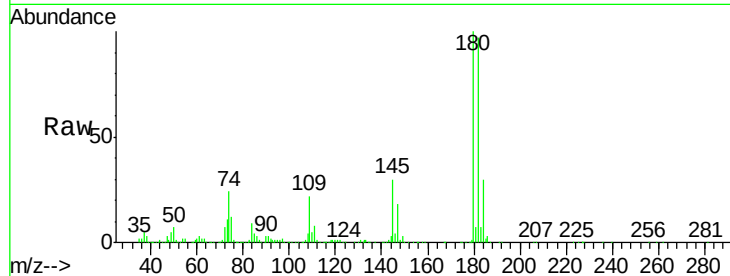




#89
 1,2,4-Trichlorobenzene
 Concen: 19.583 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX007483.D
 Acq: 12 Feb 2019 12:25

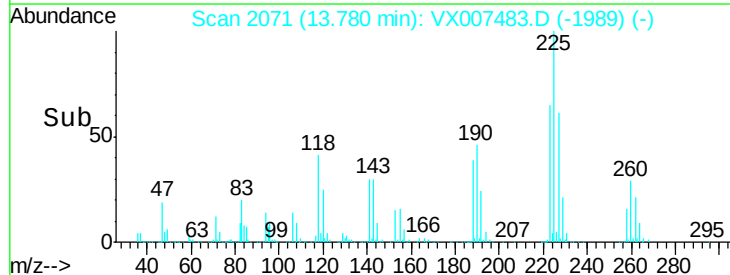
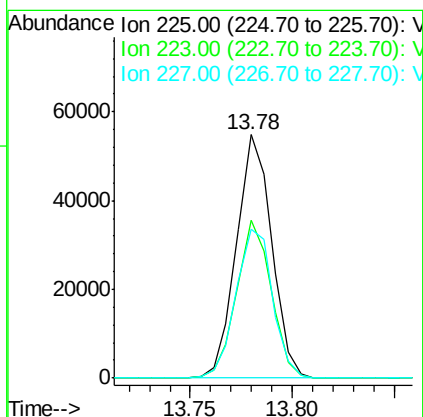
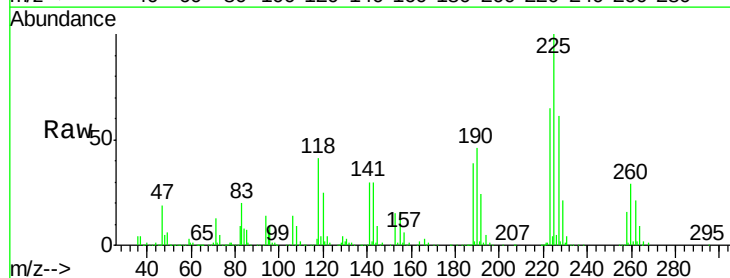
Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC020

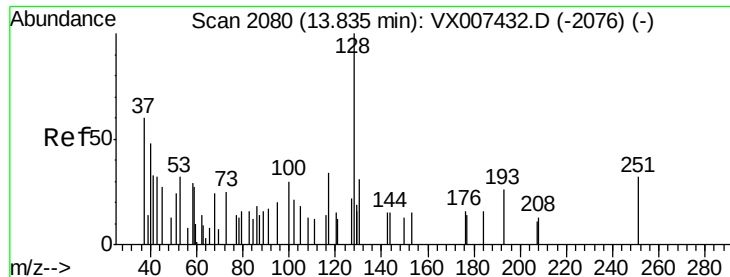
Tot Ion:180 Resp: 136134
 Ion Ratio Lower Upper
 180 100
 182 96.7 76.7 115.1
 145 29.9 23.1 34.7



#90
 Hexachlorobutadiene
 Concen: 19.868 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX007483.D
 Acq: 12 Feb 2019 12:25

Tgt Ion:225 Resp: 65870
 Ion Ratio Lower Upper
 225 100
 223 63.5 0.0 124.6
 227 63.8 0.0 128.2





#91

Naphthalene

Concen: 19.718 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX007483.D

Acq: 12 Feb 2019 12:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

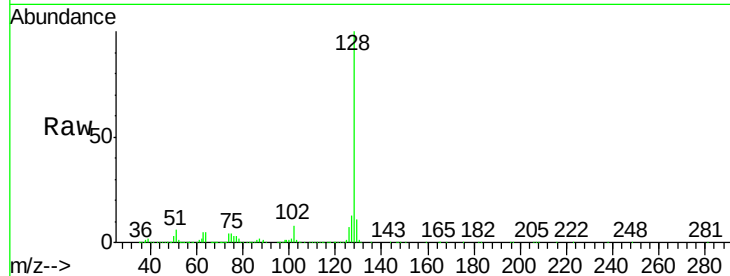
Tot Ion:128 Resp: 414921

Ion Ratio Lower Upper

128 100

127 13.4 10.6 16.0

129 11.1 8.9 13.3

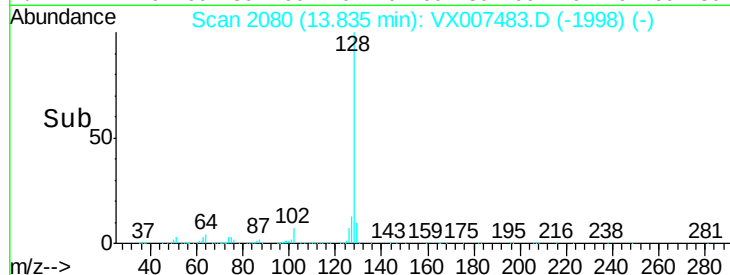


Abundance Ion 128.00 (127.70 to 128.70): V

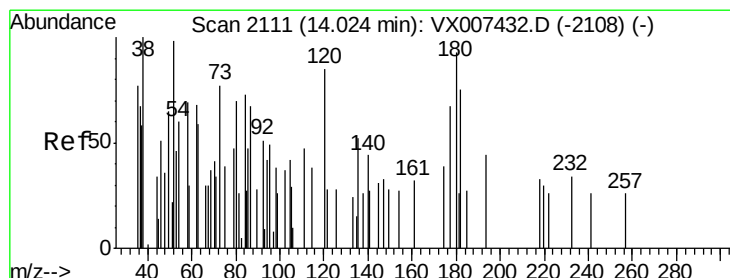
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

13.83



Time--> 13.75 13.80 13.85 13.90



#92

1,2,3-Trichlorobenzene

Concen: 19.713 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX007483.D

Acq: 12 Feb 2019 12:25

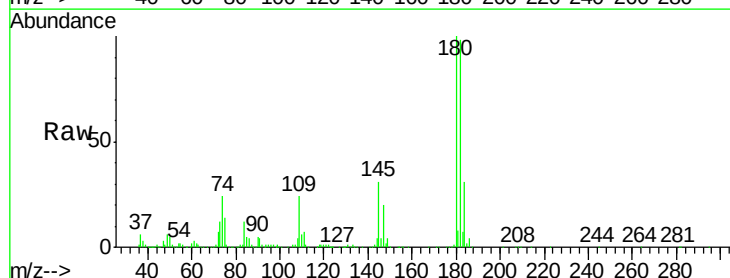
Tgt Ion:180 Resp: 135875

Ion Ratio Lower Upper

180 100

182 98.7 0.0 187.6

145 30.9 0.0 62.0

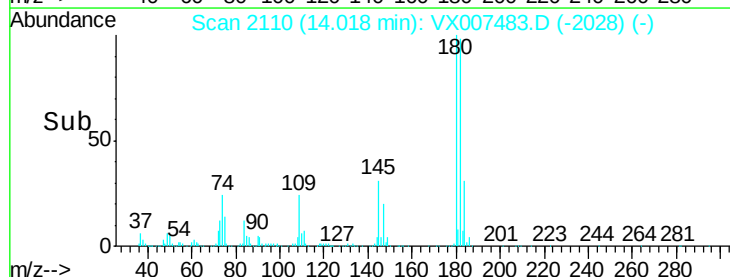


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

14.02



Time--> 13.95 14.00 14.05