

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050119\
 Data File : VX009251.D
 Acq On : 01 May 2019 11:30
 Operator : JC/SP
 Sample : VSTDICCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Quant Time: May 02 06:33:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X050119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 02 06:30:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	31917	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	185946	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	162783	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	78806	30.00	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.00%
60) 4-Bromofluorobenzene	11.13	95	83807	30.00	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.00%
63) Toluene-d8	8.71	98	236036	30.00	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	33651	20.000	ug/l 100
3) Chloromethane	1.32	50	44747	20.000	ug/l 100
4) Vinyl Chloride	1.40	62	45123	20.000	ug/l 100
5) Bromomethane	1.64	94	25594	20.000	ug/l 100
6) Chloroethane	1.72	64	30274	20.000	ug/l 100
7) Trichlorofluoromethane	1.93	101	54899	20.000	ug/l 100
8) Diethyl Ether	2.18	74	25512	20.000	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	34367	20.000	ug/l 100
10) 1,1-Dichloroethene	2.37	96	34518	20.000	ug/l 100
11) Methyl Iodide	2.51	142	34812	20.000	ug/l 100
12) Methyl Acetate	2.77	43	63062	20.000	ug/l 100
13) Acrolein	2.29	56	41212	100.000	ug/l 100
14) Acrylonitrile	3.14	53	139209	100.000	ug/l 100
15) Acetone	2.44	58	41356	100.000	ug/l 100
16) Carbon Disulfide	2.57	76	92580	20.000	ug/l 100
17) Allyl chloride	2.73	41	81380	20.000	ug/l 100
18) Methylene Chloride	2.85	84	41130	20.000	ug/l 100
19) trans-1,2-Dichloroethene	3.17	96	36395	20.000	ug/l 100
20) Diisopropyl ether	3.85	45	161854	20.000	ug/l 100
21) 1,1-Dichloroethane	3.70	63	77453	20.000	ug/l 100
22) cis-1,2-Dichloroethene	4.60	96	43858	20.000	ug/l 100
23) tert-Butyl Alcohol	3.04	59	56742	100.000	ug/l 100
24) Methyl tert-Butyl Ether	3.19	73	131541	20.000	ug/l 100
25) Chloroform	5.21	83	71587	20.000	ug/l 100
26) Cyclohexane	5.58	56	73799	20.000	ug/l # 100
29) 1,1-Dichloropropene	5.80	75	54015	20.000	ug/l 100
30) 2-Butanone	4.67	43	211387	100.000	ug/l 100
31) 2,2-Dichloropropane	4.58	77	58958	20.000	ug/l 100
32) 1,1,1-Trichloroethane	5.49	97	56735	20.000	ug/l 100
33) Carbon Tetrachloride	5.78	117	48232	20.000	ug/l 100
34) Benzene	6.14	78	167473	20.000	ug/l 100
35) Methacrylonitrile	5.04	41	44309	20.000	ug/l 100
36) 1,2-Dichloroethane	6.19	62	60331	20.000	ug/l 100
37) Trichloroethene	7.21	130	39230	20.000	ug/l 100
38) Methylcyclohexane	7.46	83	66028	20.000	ug/l 100
39) 1,2-Dichloropropane	7.51	63	47018	20.000	ug/l 100
40) Dibromomethane	7.66	93	26781	20.000	ug/l 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	53628	20.000	ug/l	100
42) Vinyl Acetate	3.81	43	700642	100.000	ug/l	100
43) Ethyl Acetate	4.83	43	78216	20.000	ug/l	100
44) Isopropyl Acetate	6.44	43	120346	20.000	ug/l	100
45) 1,4-Dioxane	7.74	88	23928	400.000	ug/l	100
46) Methyl methacrylate	7.77	41	60837	20.000	ug/l	100
47) n-amyl Acetate	10.90	43	107459	20.000	ug/l	100
48) t-1,3-Dichloropropene	9.04	75	61325	20.000	ug/l	100
49) cis-1,3-Dichloropropene	8.43	75	68273	20.000	ug/l	100
50) 1,1,2-Trichloroethane	9.21	97	41113	20.000	ug/l	100
51) Ethyl methacrylate	9.18	69	74666	20.000	ug/l	100
52) 1,3-Dichloropropane	9.37	76	73033	20.000	ug/l	100
53) Dibromochloromethane	9.58	129	39529	20.000	ug/l	100
54) 1,2-Dibromoethane	9.67	107	41770	20.000	ug/l	100
55) 2-Chloroethyl vinyl ether	8.31	63	210312	100.000	ug/l	100
56) Bromoform	10.85	173	29376	20.000	ug/l	100
58) 4-Methyl-2-Pentanone	8.64	43	398042	100.000	ug/l	100
59) 2-Hexanone	9.49	43	313933	100.000	ug/l	100
61) Tetrachloroethene	9.34	164	35851	20.000	ug/l	100
62) Toluene	8.78	91	174885	20.000	ug/l	100
64) Chlorobenzene	10.13	112	103172	20.000	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.22	131	37338	20.000	ug/l	100
66) Ethyl Benzene	10.25	91	192936	20.000	ug/l	100
67) m/p-Xylenes	10.36	106	140517	40.000	ug/l	100
68) o-Xylene	10.69	106	68304	20.000	ug/l	100
69) Styrene	10.71	104	120006	20.000	ug/l	100
70) Isopropylbenzene	11.02	105	186150	20.000	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.26	83	66917	20.000	ug/l	100
72) 1,2,3-Trichloropropane	11.29	75	78464	26.590	ug/l	83
73) Bromobenzene	11.26	156	45796	20.000	ug/l	100
74) n-propylbenzene	11.36	91	213741	20.000	ug/l	100
75) 2-Chlorotoluene	11.42	91	128709	20.000	ug/l	100
76) 1,3,5-Trimethylbenzene	11.51	105	156320	20.000	ug/l	100
77) t-1,4-Dichloro-2-butene	11.07	75	21779	20.000	ug/l	100
78) 4-Chlorotoluene	11.51	91	144068	20.000	ug/l	100
79) tert-butylbenzene	11.77	119	151000	20.000	ug/l	100
80) 1,2,4-Trimethylbenzene	11.80	105	156106	20.000	ug/l	100
81) sec-Butylbenzene	11.94	105	178859	20.000	ug/l	100
82) p-Isopropyltoluene	12.06	119	162294	20.000	ug/l	100
83) 1,3-Dichlorobenzene	12.02	146	79397	20.000	ug/l	100
84) 1,4-Dichlorobenzene	12.10	146	78206	20.000	ug/l	100
85) n-Butylbenzene	12.38	91	144045	20.000	ug/l	100
86) Hexachloroethane	12.60	117	27552	20.000	ug/l	100
87) 1,2-Dichlorobenzene	12.39	146	81141	20.000	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	13.00	75	15447	20.000	ug/l	100
89) 1,2,4-Trichlorobenzene	13.65	180	55560	20.000	ug/l	100
90) Hexachlorobutadiene	13.78	225	28166	20.000	ug/l	100
91) Naphthalene	13.83	128	190320	20.000	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	58450	20.000	ug/l	100

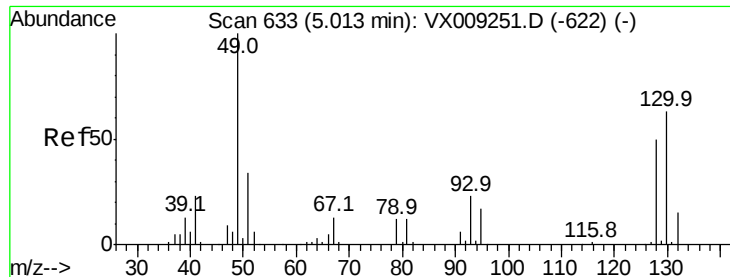
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.01 min Scan# 633

Delta R.T. 0.00 min

Lab File: VX009251.D

Acq: 01 May 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

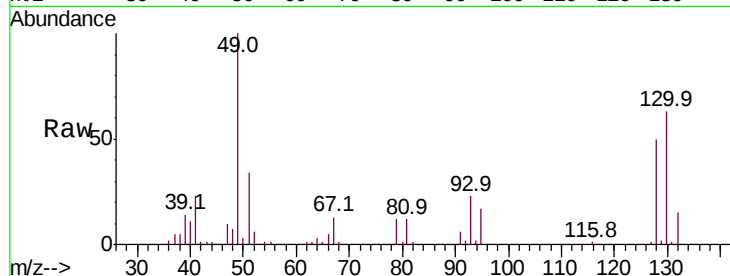
Tot Ion:128 Resp: 31917

Ion Ratio Lower Upper

128 100

49 206.0 0.0 515.0

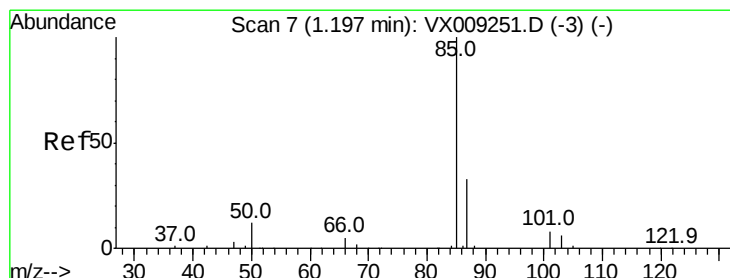
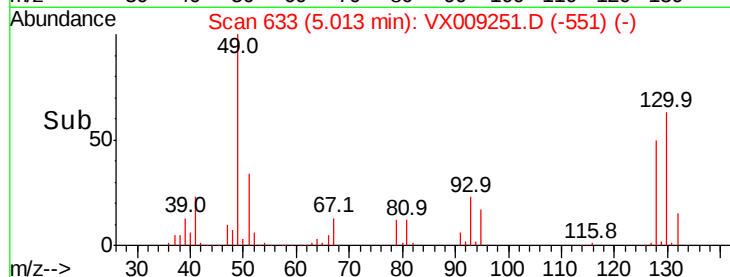
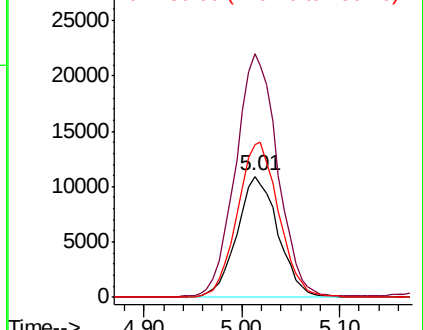
130 129.3 0.0 323.3



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: 20.000 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX009251.D

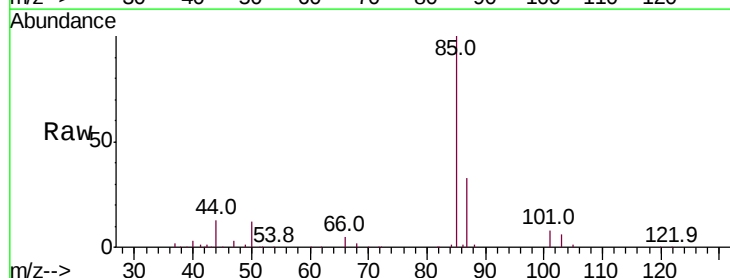
Acq: 01 May 2019 11:30

Tgt Ion: 85 Resp: 33651

Ion Ratio Lower Upper

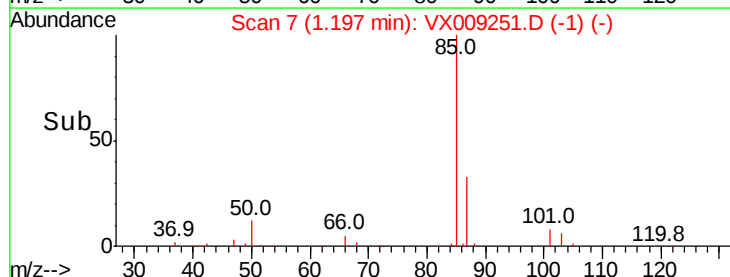
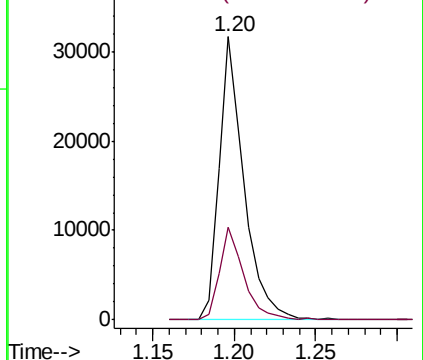
85 100

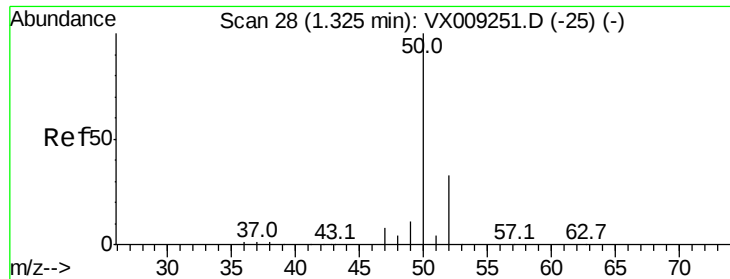
87 32.6 16.3 48.9



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 20.000 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009251.D

Acq: 01 May 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

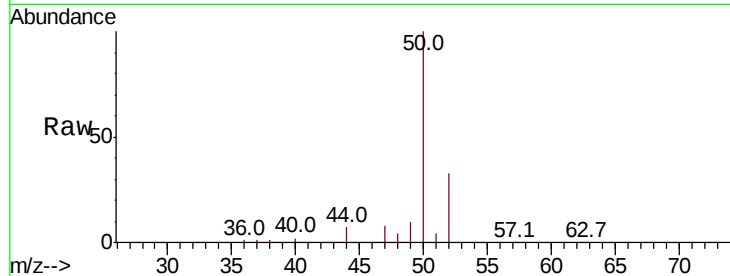
VSTDICCC020

Tot Ion: 50 Resp: 44747

Ion Ratio Lower Upper

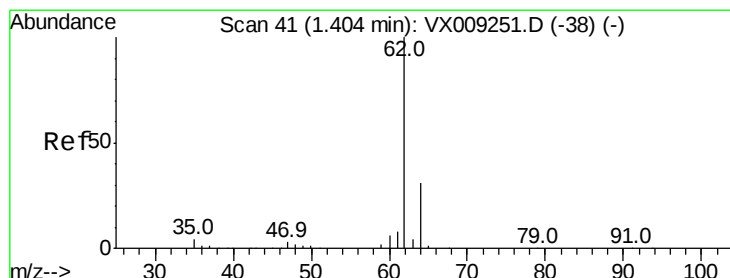
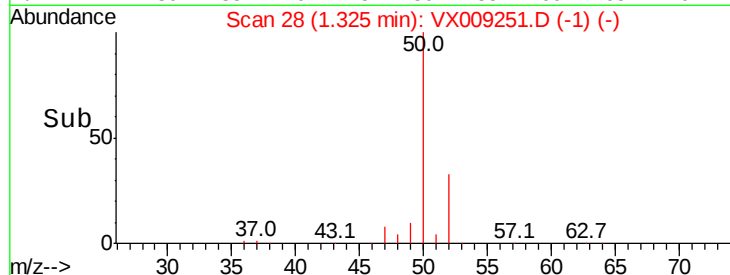
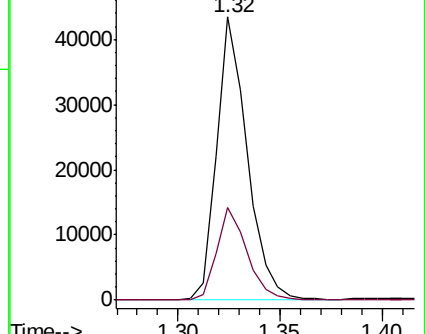
50 100

52 32.9 26.3 39.5



Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#4

Vinyl Chloride

Concen: 20.000 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX009251.D

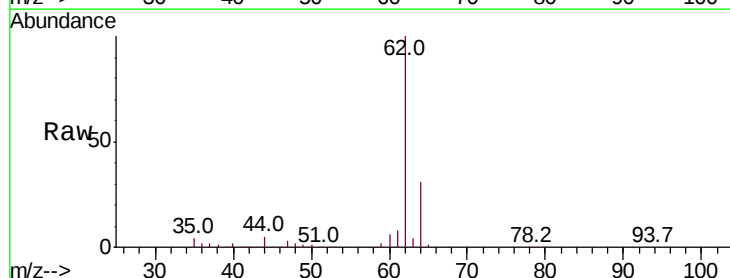
Acq: 01 May 2019 11:30

Tgt Ion: 62 Resp: 45123

Ion Ratio Lower Upper

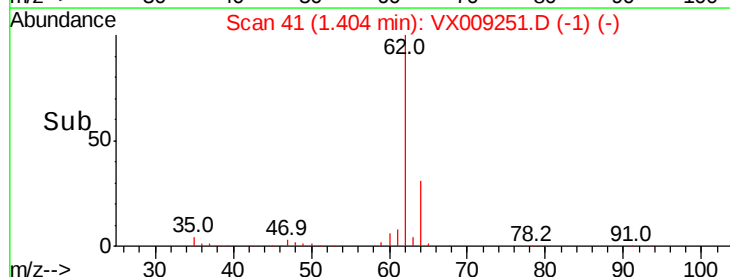
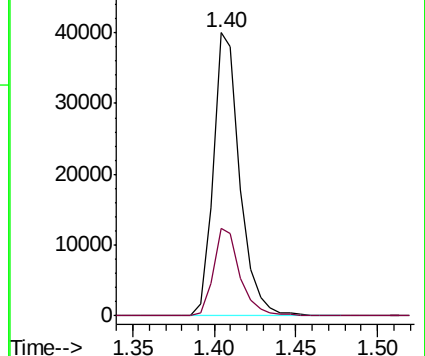
62 100

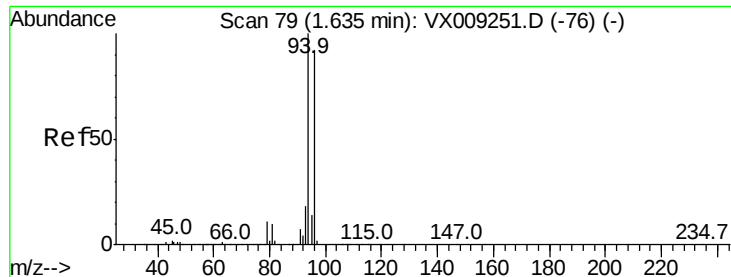
64 30.7 24.6 36.8



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0





#5

Bromomethane

Concen: 20.000 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009251.D

Acq: 01 May 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

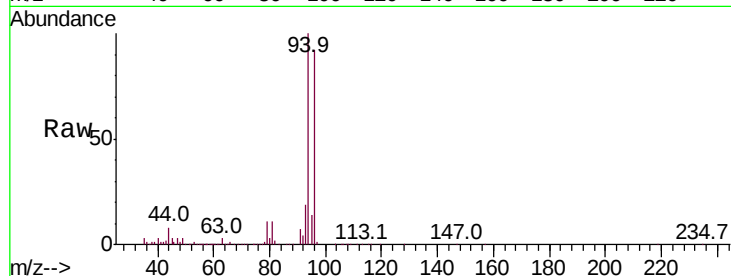
VSTDICCC020

Tot Ion: 94 Resp: 25594

Ion Ratio Lower Upper

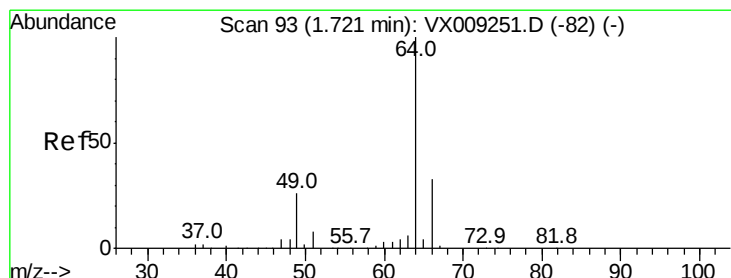
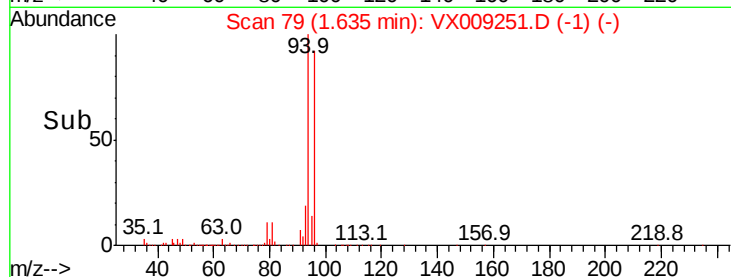
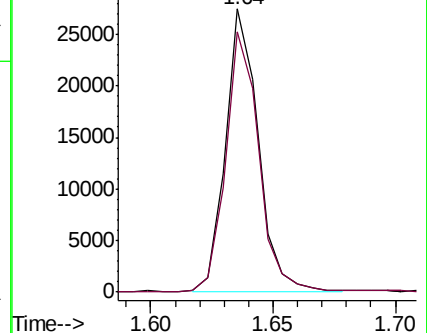
94 100

96 91.9 73.5 110.3



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 20.000 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.00 min

Lab File: VX009251.D

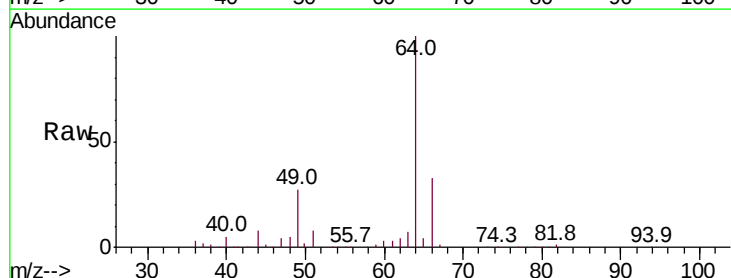
Acq: 01 May 2019 11:30

Tgt Ion: 64 Resp: 30274

Ion Ratio Lower Upper

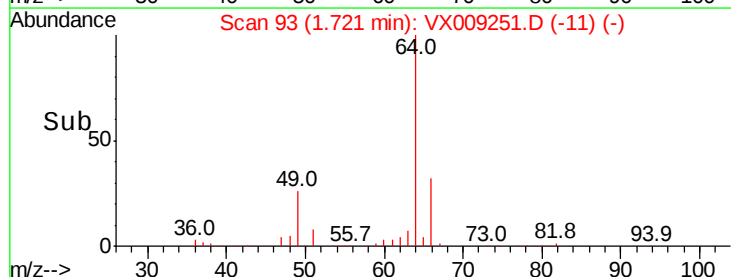
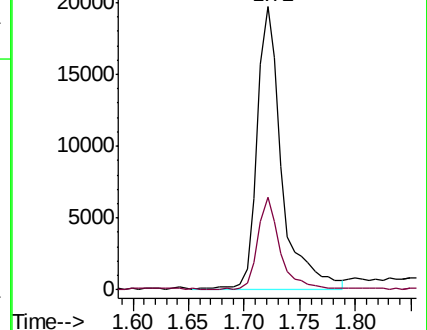
64 100

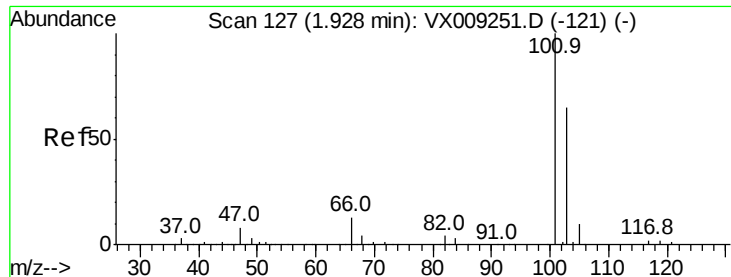
66 32.4 25.9 38.9



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0



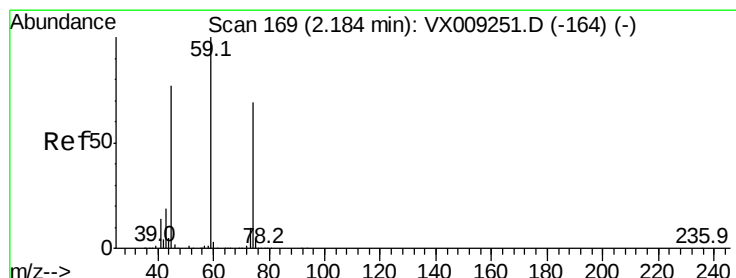
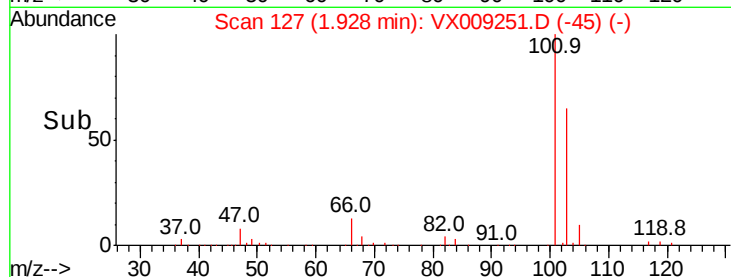
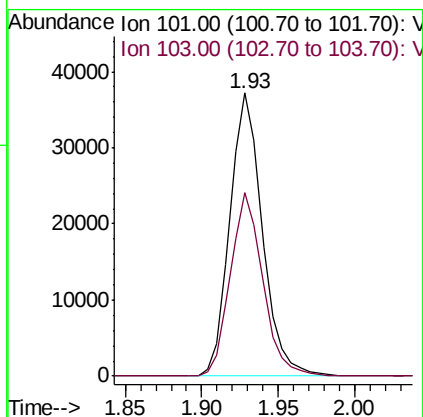
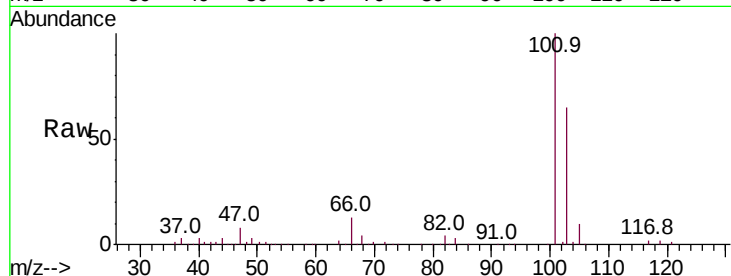


#7

Trichlorofluoromethane
 Concen: 20.000 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.00 min
 Lab File: VX009251.D
 Acq: 01 May 2019 11:30

Instrument :
 MSVOA_X
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 VSTDICCC020

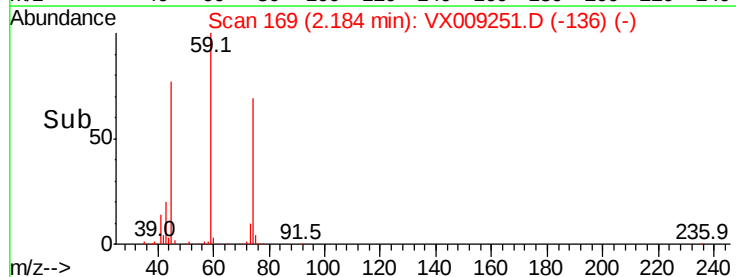
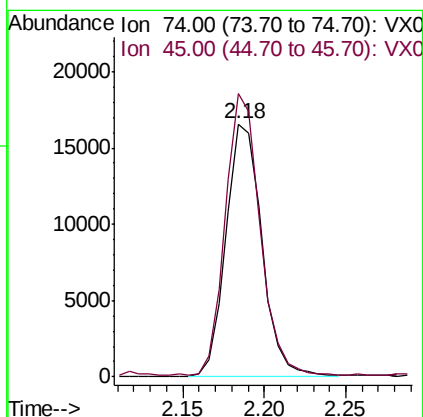
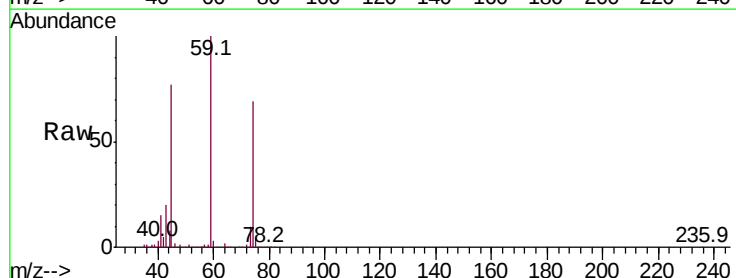
Tot Ion:101 Resp: 54899
 Ion Ratio Lower Upper
 101 100
 103 64.9 51.9 77.9

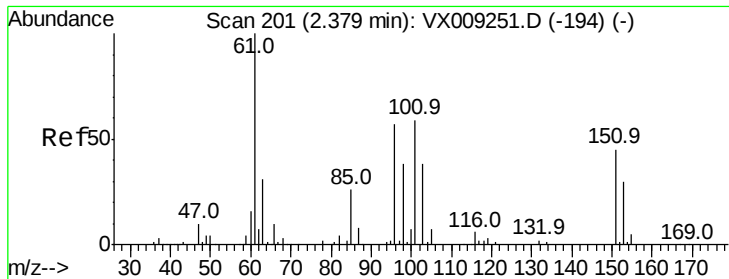


#8

Diethyl Ether
 Concen: 20.000 ug/l
 RT: 2.18 min Scan# 169
 Delta R.T. 0.00 min
 Lab File: VX009251.D
 Acq: 01 May 2019 11:30

Tgt Ion: 74 Resp: 25512
 Ion Ratio Lower Upper
 74 100
 45 107.7 21.5 193.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.000 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX009251.D

Acq: 01 May 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

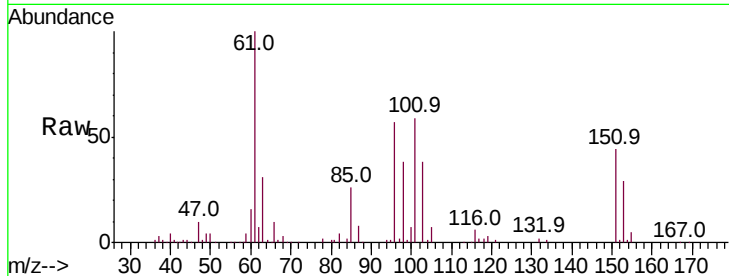
Tot Ion:101 Resp: 34367

Ion Ratio Lower Upper

101 100

85 43.7 0.0 87.4

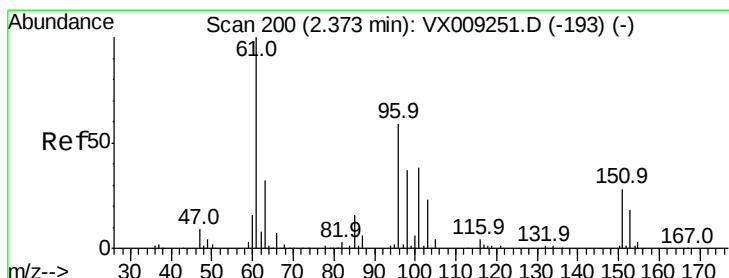
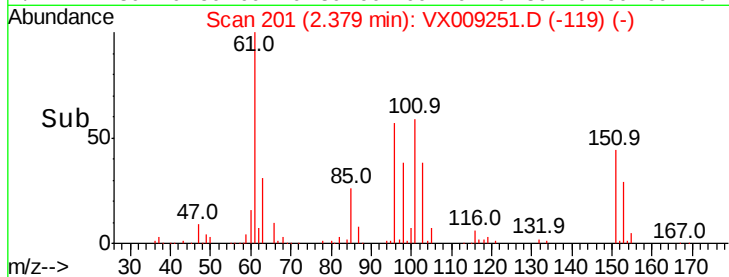
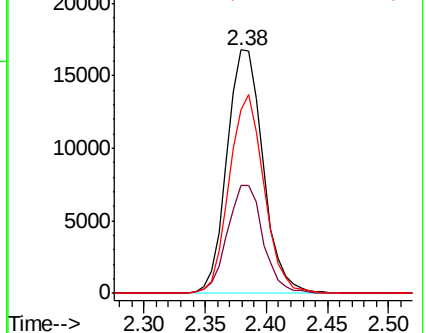
151 78.5 0.0 157.0



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: 20.000 ug/l

RT: 2.37 min Scan# 200

Delta R.T. 0.00 min

Lab File: VX009251.D

Acq: 01 May 2019 11:30

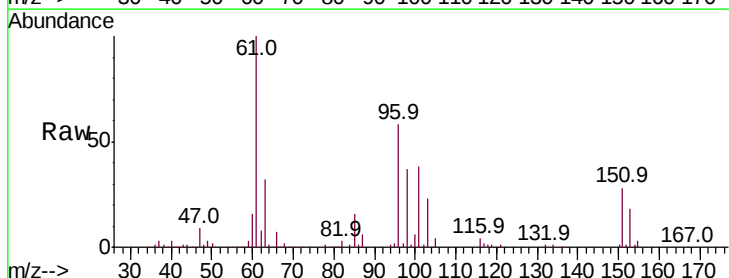
Tgt Ion: 96 Resp: 34518

Ion Ratio Lower Upper

96 100

61 170.6 136.5 204.7

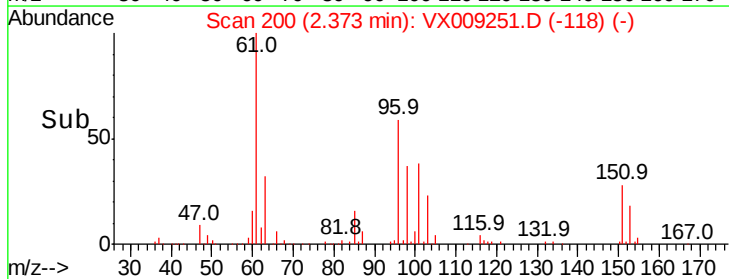
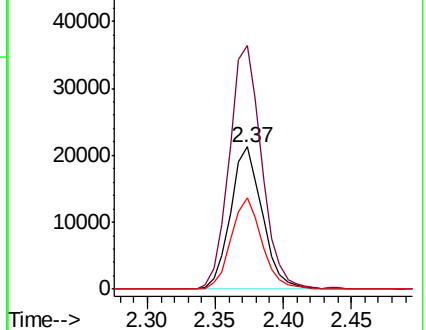
98 63.7 51.0 76.4

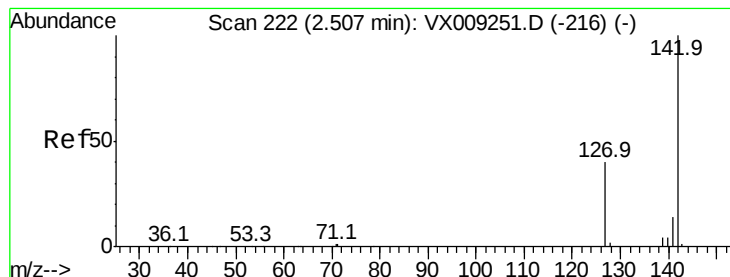


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

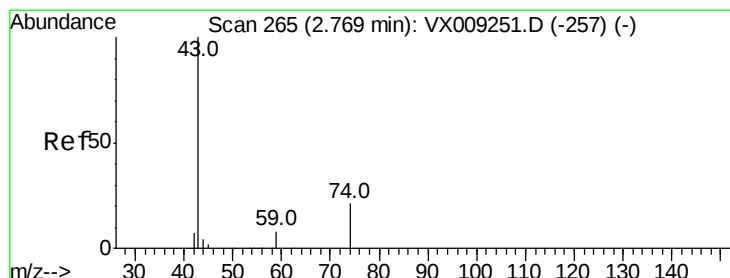
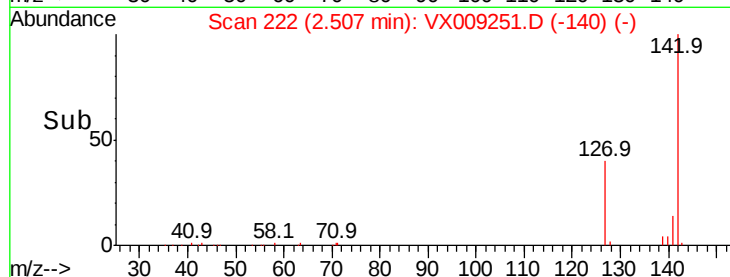
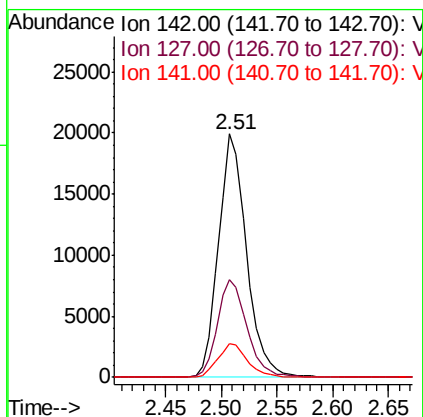
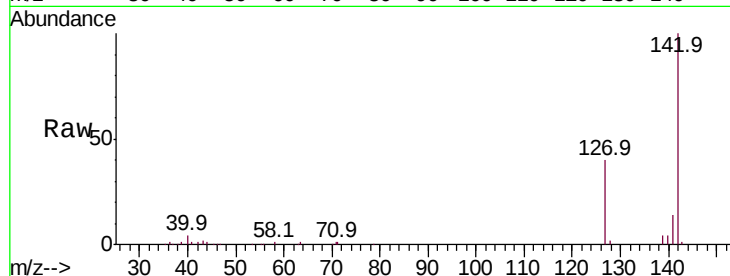




#11
Methvl Iodide
Concen: 20.000 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.00 min
Lab File: VX009251.D
Acq: 01 May 2019 11:30

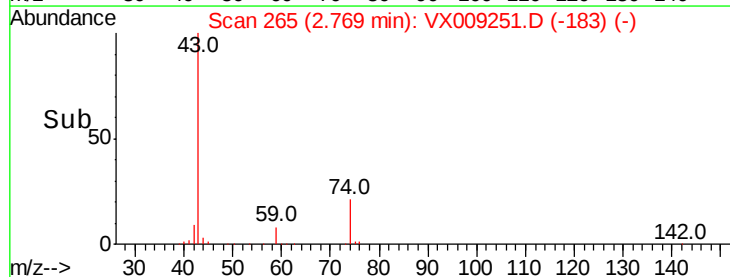
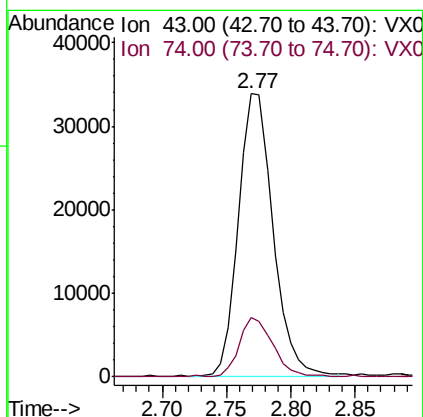
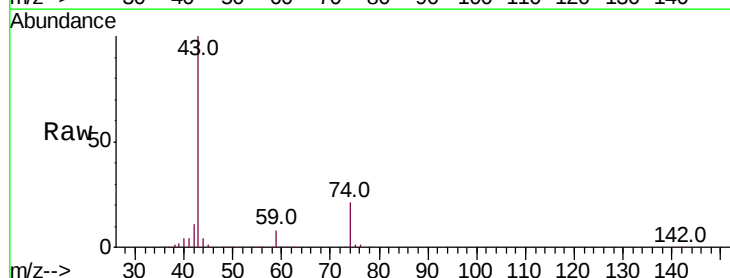
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

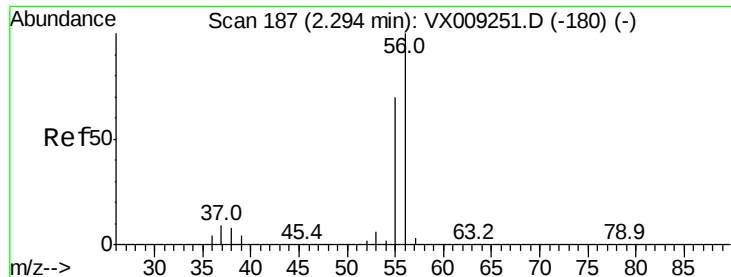
Tot Ion:142 Resp: 34812
Ion Ratio Lower Upper
142 100
127 40.3 20.2 60.5
141 13.8 6.9 20.7



#12
Methyl Acetate
Concen: 20.000 ug/l
RT: 2.77 min Scan# 265
Delta R.T. 0.00 min
Lab File: VX009251.D
Acq: 01 May 2019 11:30

Tgt Ion: 43 Resp: 63062
Ion Ratio Lower Upper
43 100
74 20.6 16.5 24.7





#13

Acrolein

Concen: 100.000 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX009251.D

Acq: 01 May 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

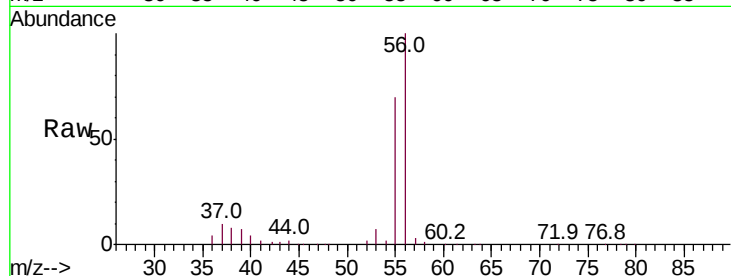
VSTDICCC020

Tot Ion: 56 Resp: 41212

Ion Ratio Lower Upper

56 100

55 71.1 56.9 85.3



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

25000

20000

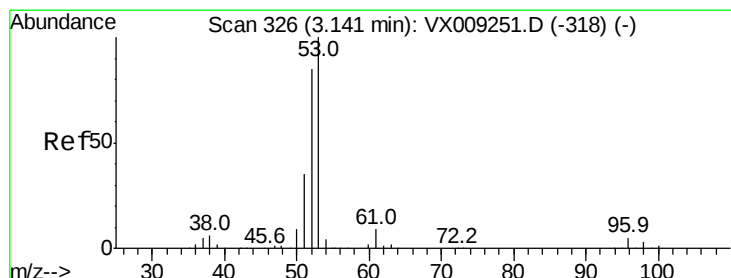
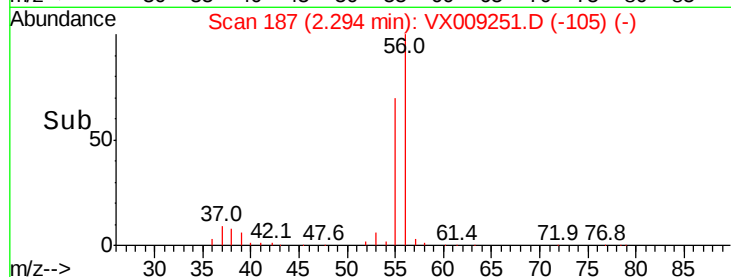
15000

10000

5000

0

Time--> 2.20 2.25 2.30 2.35



#14

Acrylonitrile

Concen: 100.000 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX009251.D

Acq: 01 May 2019 11:30

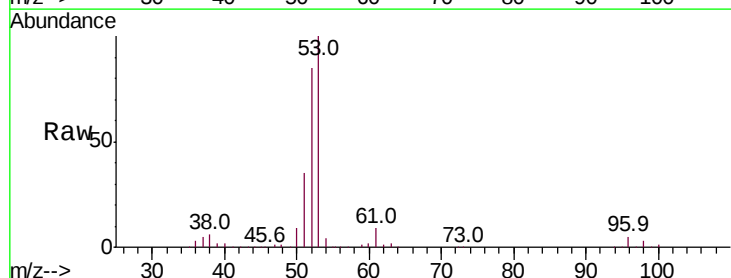
Tgt Ion: 53 Resp: 139209

Ion Ratio Lower Upper

53 100

52 83.0 41.5 124.5

51 35.5 17.8 53.3



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

3.14

80000

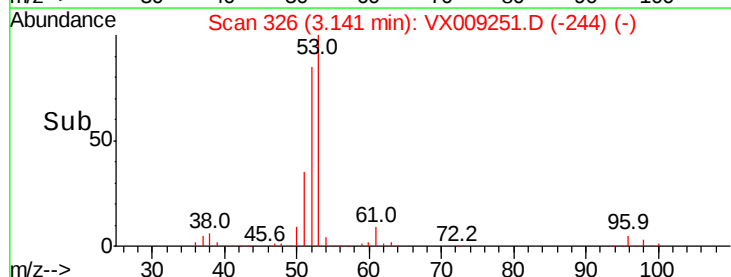
60000

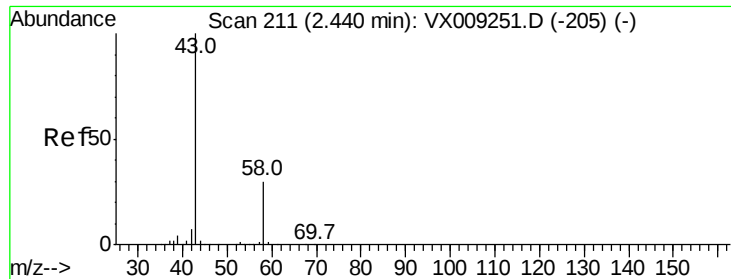
40000

20000

0

Time--> 3.10 3.20 3.30





#15

Acetone

Concen: 100.000 ug/l

RT: 2.44 min Scan# 211

Delta R.T. 0.00 min

Lab File: VX009251.D

Acq: 01 May 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

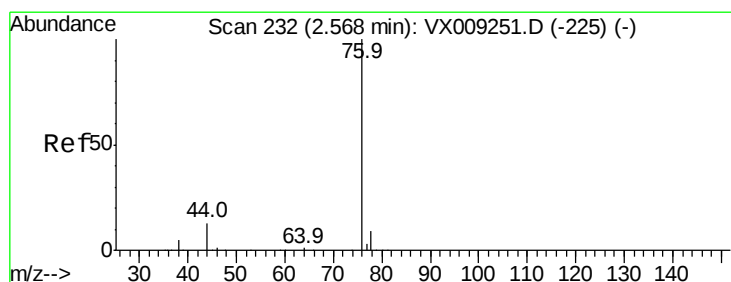
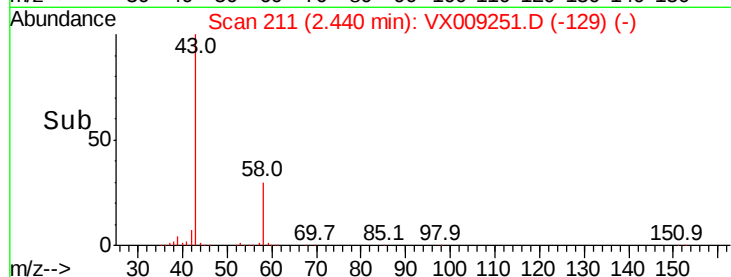
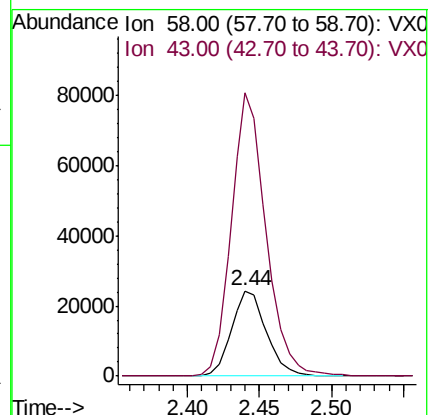
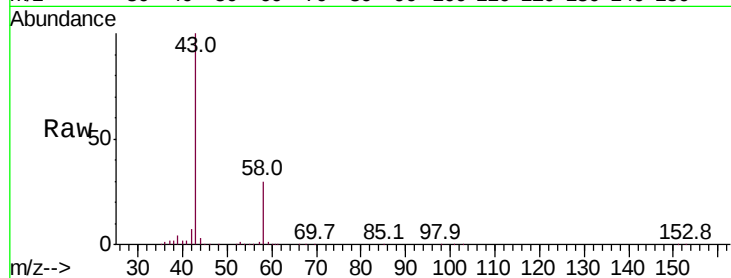
VSTDICCC020

Tot Ion: 58 Resp: 41356

Ion Ratio Lower Upper

58 100

43 330.0 264.0 396.0



#16

Carbon Disulfide

Concen: 20.000 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009251.D

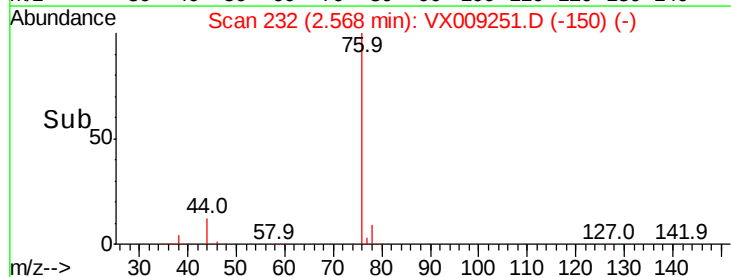
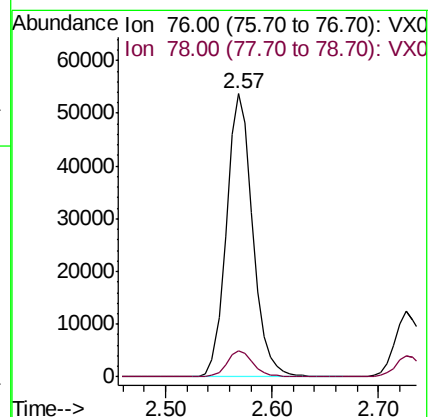
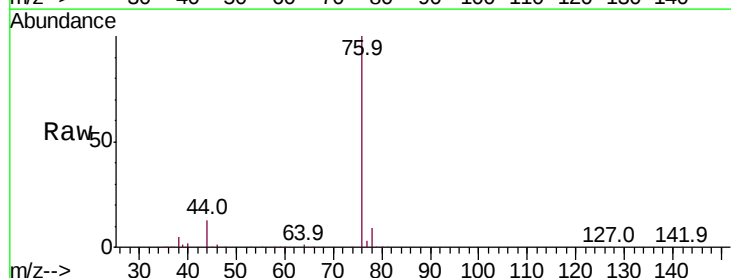
Acq: 01 May 2019 11:30

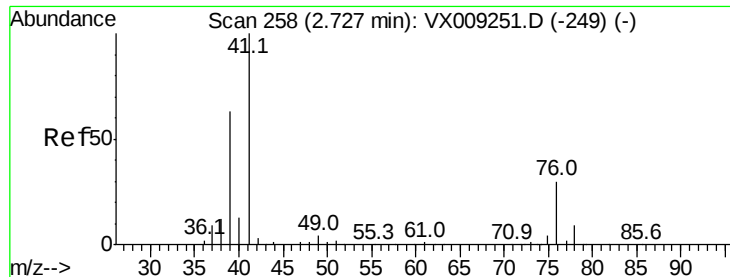
Tgt Ion: 76 Resp: 92580

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2





#17

Allvl chloride

Concen: 20.000 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX009251.D

Acq: 01 May 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

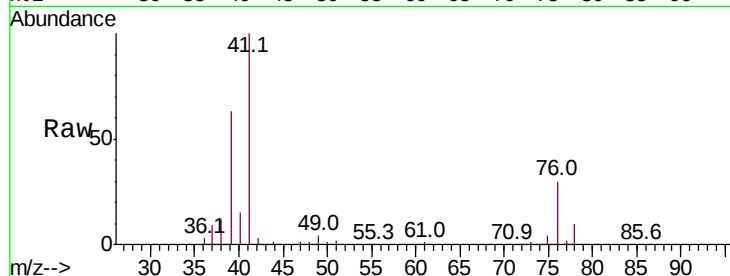
Tot Ion: 41 Resp: 81380

Ion Ratio Lower Upper

41 100

39 63.1 31.6 94.7

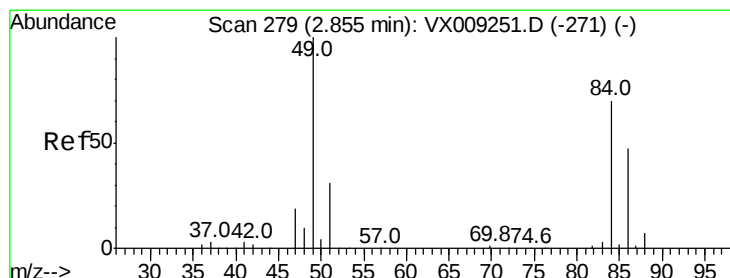
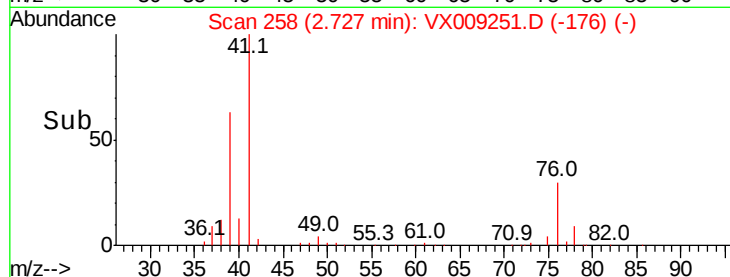
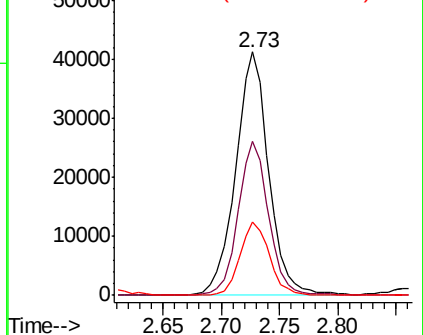
76 30.2 15.1 45.3



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: 20.000 ug/l

RT: 2.85 min Scan# 279

Delta R.T. 0.00 min

Lab File: VX009251.D

Acq: 01 May 2019 11:30

Tgt Ion: 84 Resp: 41130

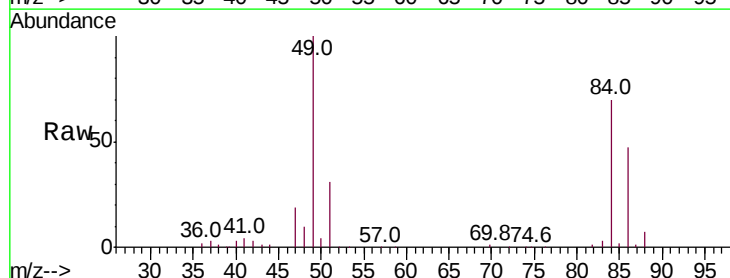
Ion Ratio Lower Upper

84 100

49 143.2 114.6 171.8

51 44.4 35.5 53.3

86 66.8 53.4 80.2

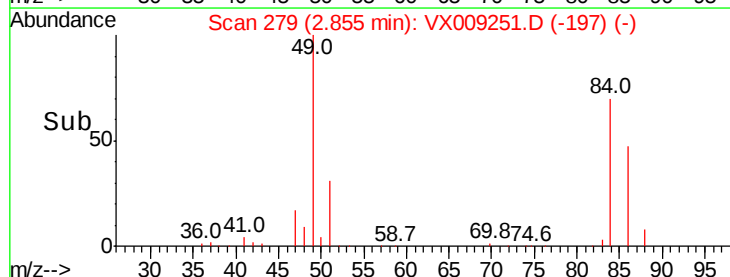
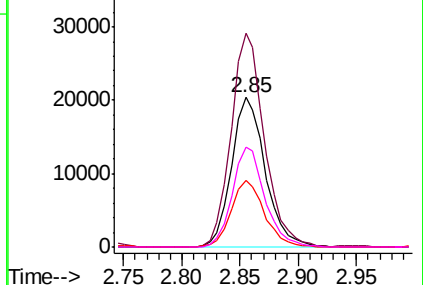


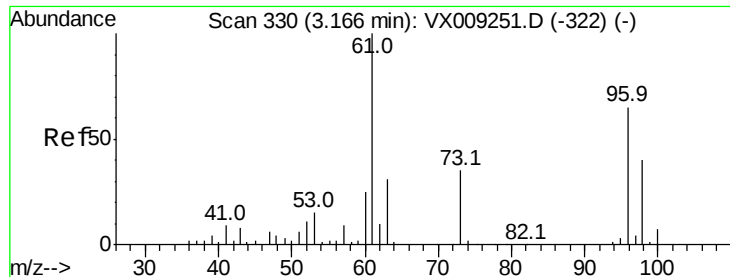
Abundance Ion 84.00 (83.70 to 84.70): VX0

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

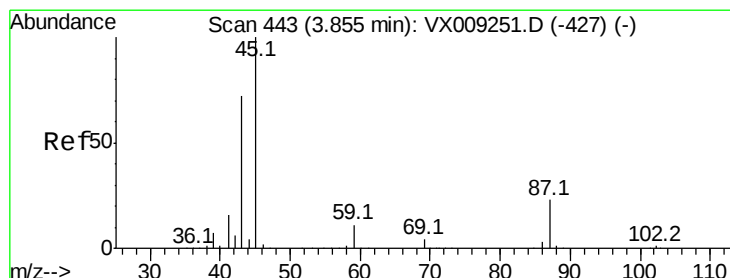
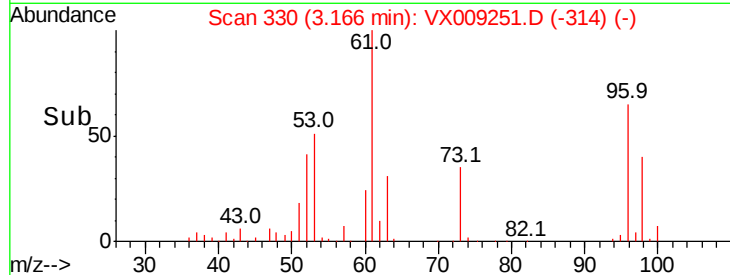
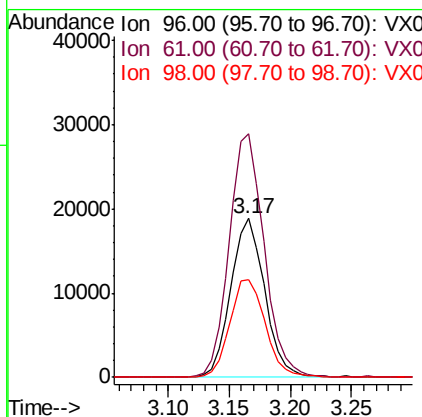
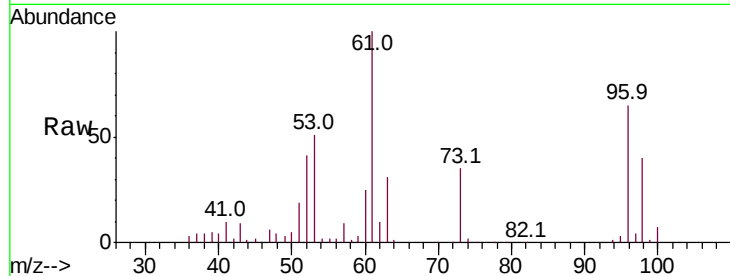




#19
trans-1,2-Dichloroethene
Concen: 20.000 ug/l
RT: 3.17 min Scan# 330
Delta R.T. 0.00 min
Lab File: VX009251.D
Acq: 01 May 2019 11:30

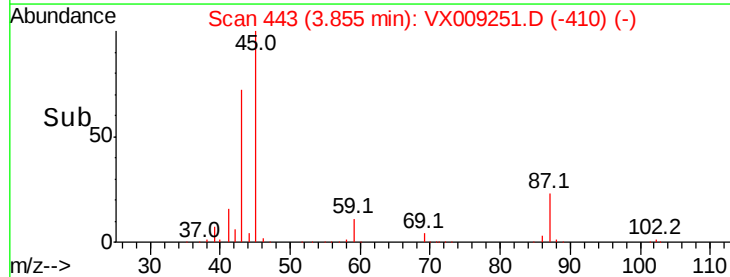
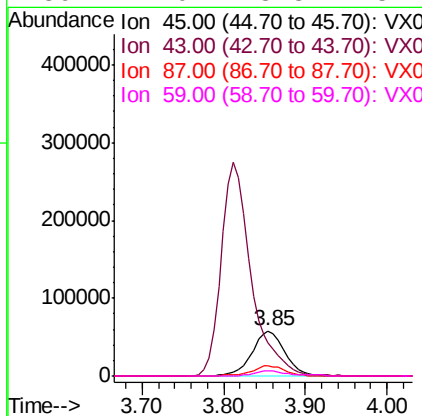
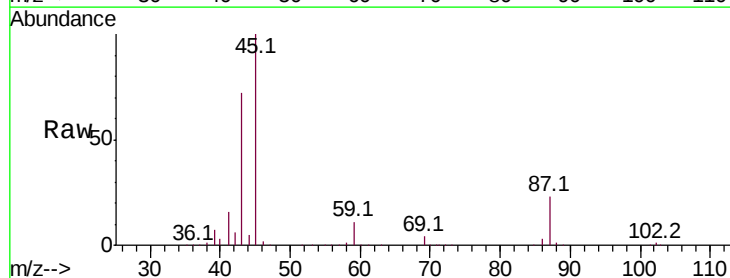
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

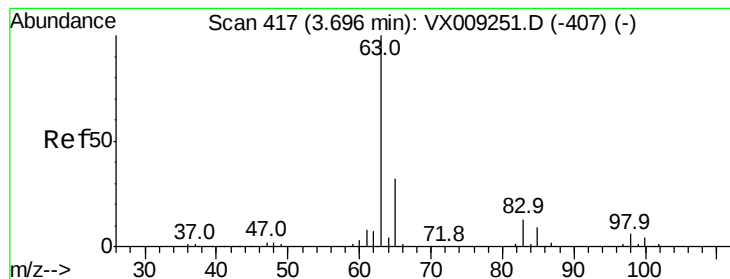
Tot Ion: 96 Resp: 36395
Ion Ratio Lower Upper
96 100
61 153.4 122.7 184.1
98 61.9 49.5 74.3



#20
Diisopropyl ether
Concen: 20.000 ug/l
RT: 3.85 min Scan# 443
Delta R.T. 0.00 min
Lab File: VX009251.D
Acq: 01 May 2019 11:30

Tgt Ion: 45 Resp: 161854
Ion Ratio Lower Upper
45 100
43 72.1 57.7 86.5
87 23.1 18.5 27.7
59 11.0 8.8 13.2





#21

1,1-Dichloroethane

Concen: 20.000 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX009251.D

Acq: 01 May 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

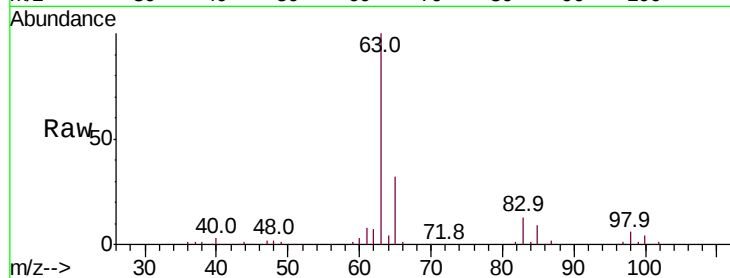
Tot Ion: 63 Resp: 77453

Ion Ratio Lower Upper

63 100

98 6.2 3.1 9.3

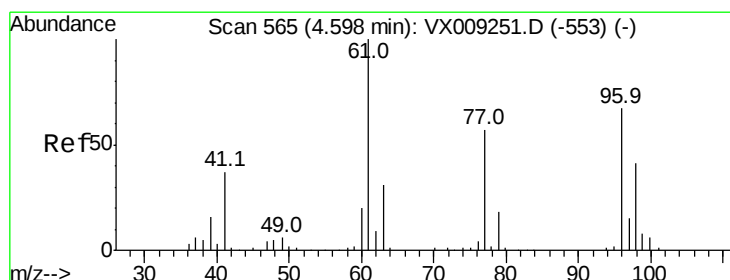
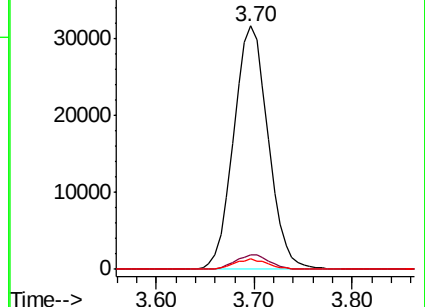
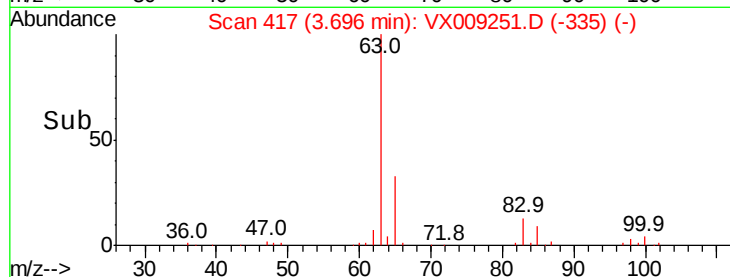
100 4.4 2.2 6.6



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: 20.000 ug/l

RT: 4.60 min Scan# 565

Delta R.T. 0.00 min

Lab File: VX009251.D

Acq: 01 May 2019 11:30

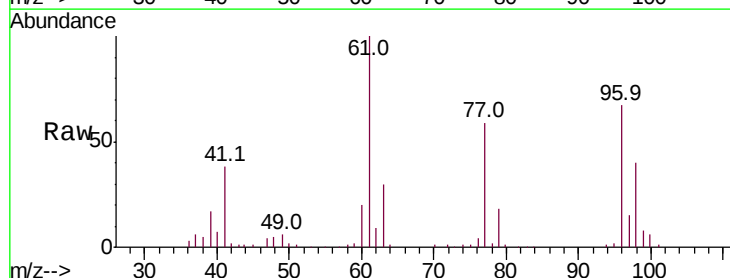
Tgt Ion: 96 Resp: 43858

Ion Ratio Lower Upper

96 100

61 159.6 127.7 191.5

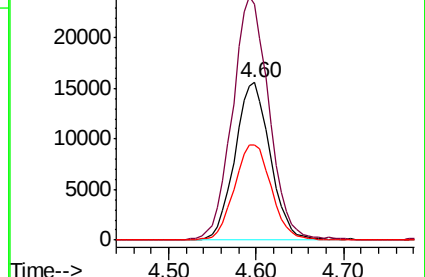
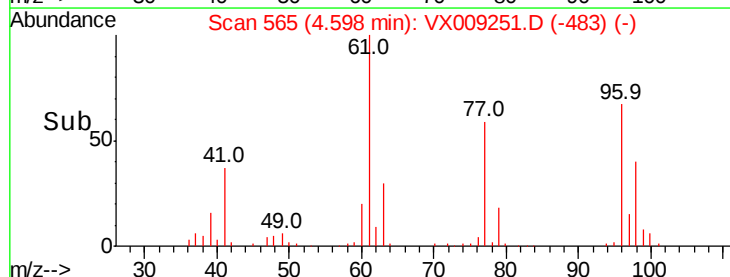
98 63.1 50.5 75.7

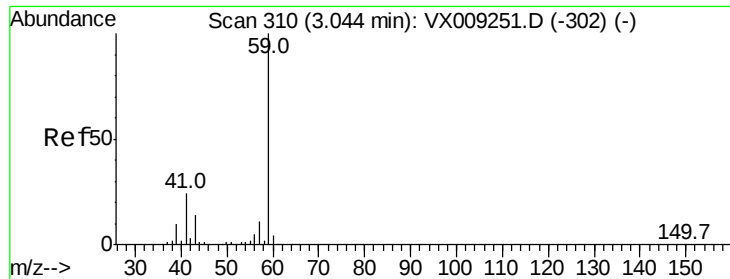


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



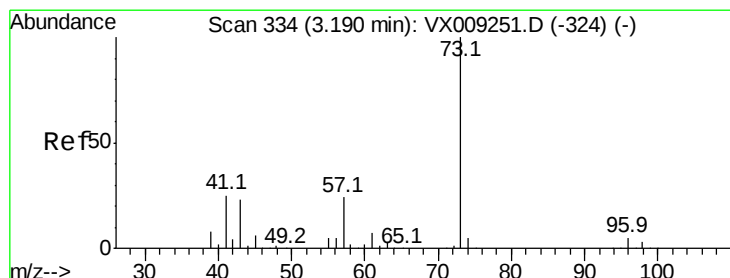
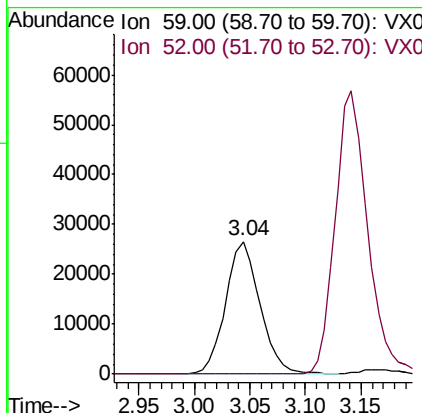
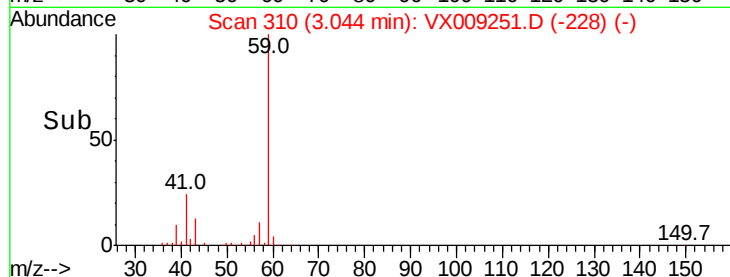
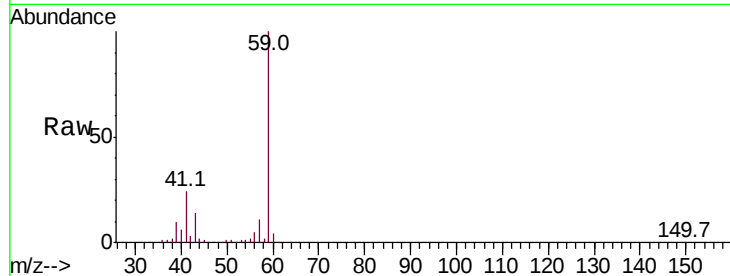


#23

tert-Butyl Alcohol
 Concen: 100.000 ug/l
 RT: 3.04 min Scan# 310
 Delta R.T. 0.00 min
 Lab File: VX009251.D
 Acq: 01 May 2019 11:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

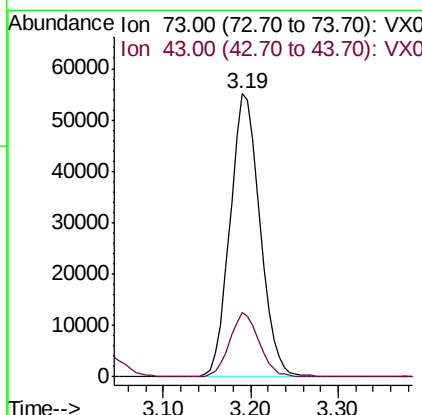
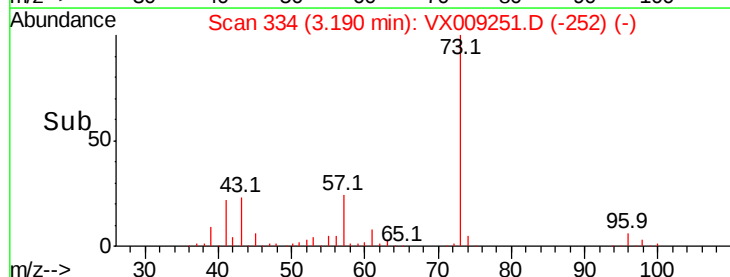
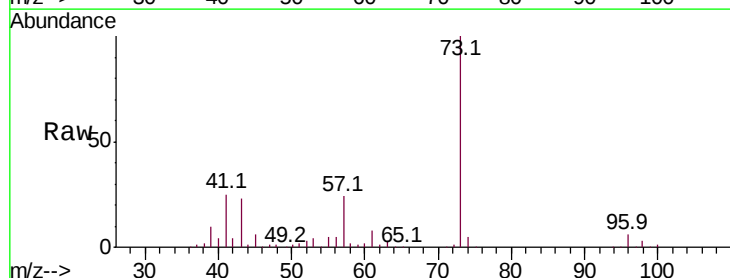
Tot Ion: 59 Resp: 56742
 Ion Ratio Lower Upper
 59 100
 52 0.2 0.2 0.2

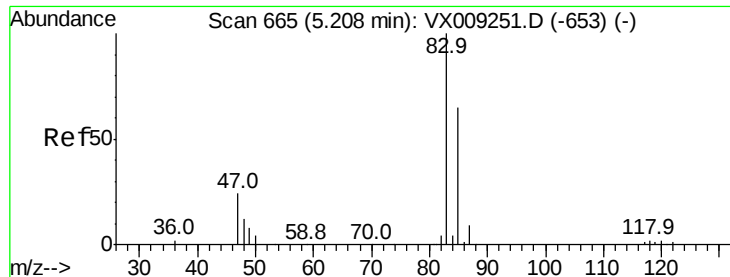


#24

Methyl tert-Butyl Ether
 Concen: 20.000 ug/l
 RT: 3.19 min Scan# 334
 Delta R.T. 0.00 min
 Lab File: VX009251.D
 Acq: 01 May 2019 11:30

Tgt Ion: 73 Resp: 131541
 Ion Ratio Lower Upper
 73 100
 43 22.0 17.6 26.4





#25

Chloroform

Concen: 20.000 ug/l

RT: 5.21 min Scan# 665

Delta R.T. 0.00 min

Lab File: VX009251.D

Acq: 01 May 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

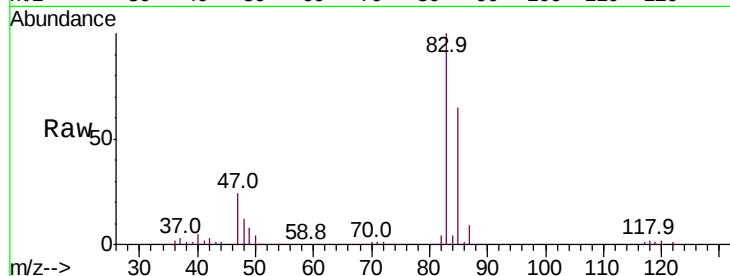
VSTDICCC020

Tot Ion: 83 Resp: 71587

Ion Ratio Lower Upper

83 100

85 64.9 51.9 77.9



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0

25000

20000

15000

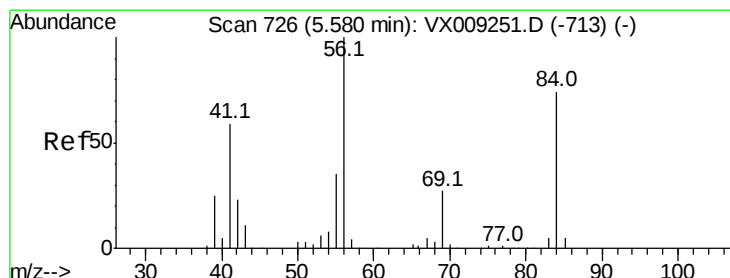
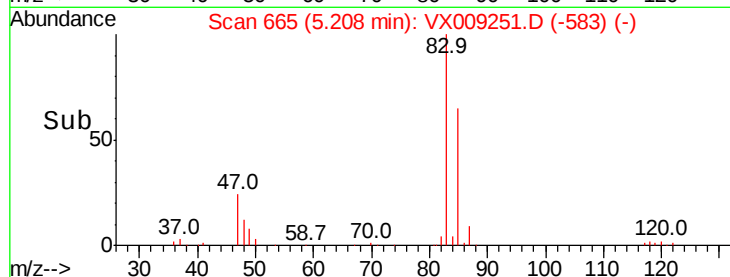
10000

5000

0

5.10 5.20 5.30

Time-->



#26

Cyclohexane

Concen: 20.000 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX009251.D

Acq: 01 May 2019 11:30

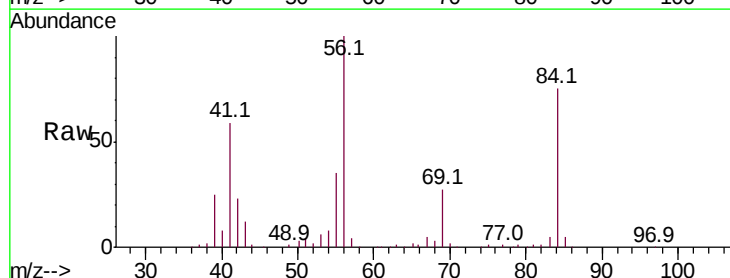
Tgt Ion: 56 Resp: 73799

Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 74.6 59.7 89.5



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 89.00 (88.70 to 89.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

40000

30000

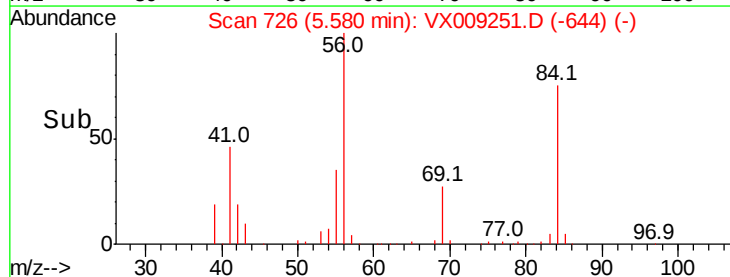
20000

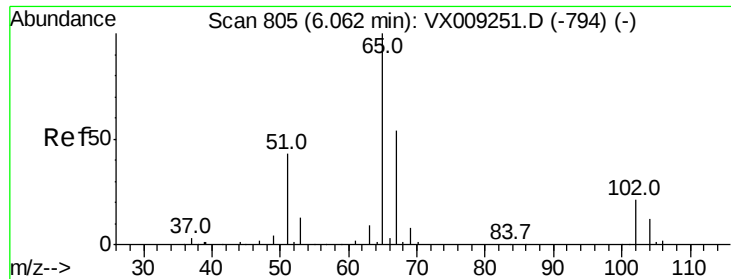
10000

0

5.50 5.60 5.70

Time-->





#27

1,2-Dichloroethane-d4

Concen: 30.000 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009251.D

Acq: 01 May 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

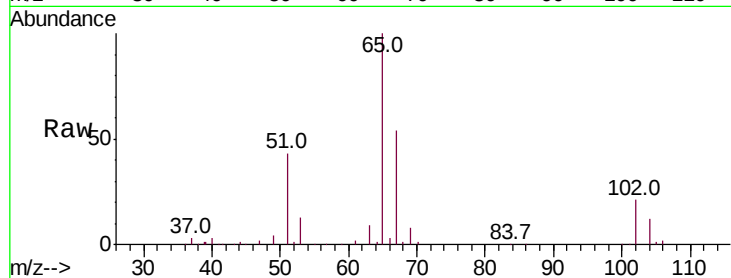
VSTDICCC020

Tot Ion: 65 Resp: 78806

Ion Ratio Lower Upper

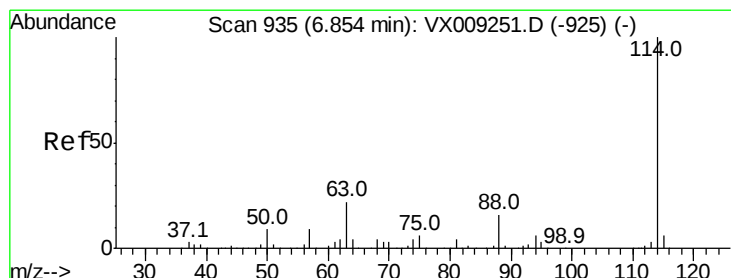
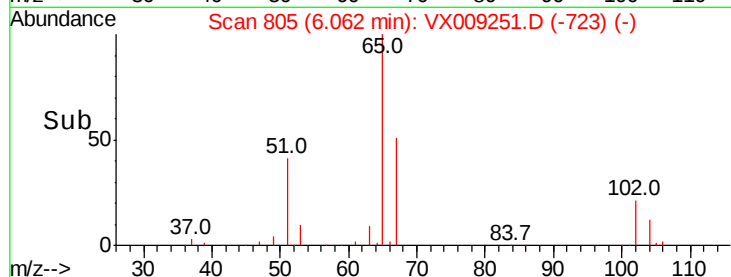
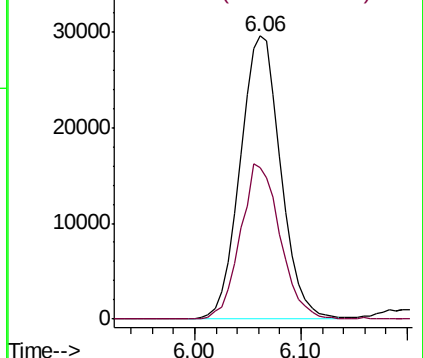
65 100

67 53.9 43.1 64.7



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. 0.00 min

Lab File: VX009251.D

Acq: 01 May 2019 11:30

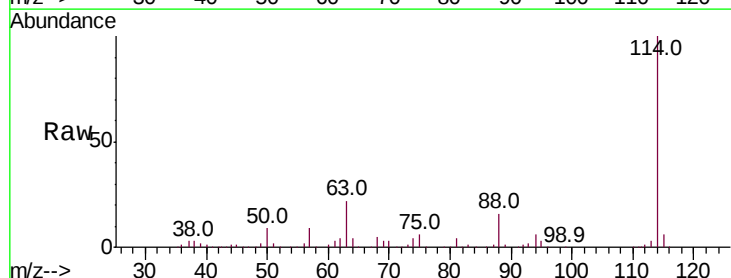
Tgt Ion: 114 Resp: 185946

Ion Ratio Lower Upper

114 100

63 22.5 18.0 27.0

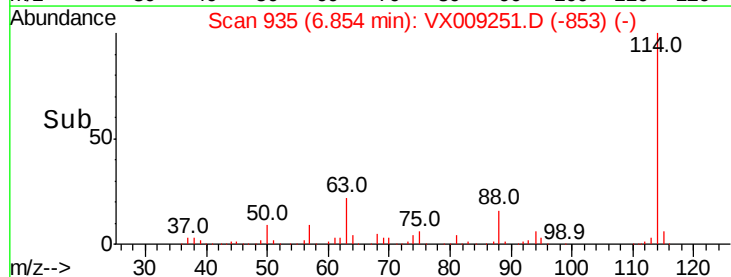
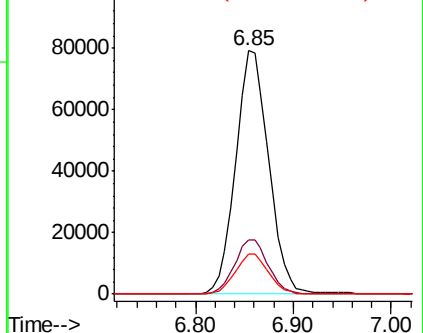
88 16.7 13.4 20.0

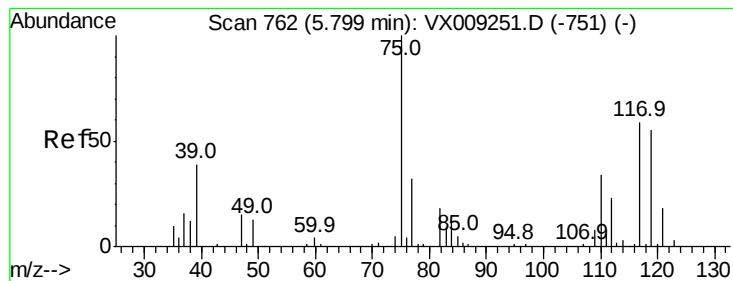


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0





#29

1,1-Dichloropropene

Concen: 20.000 ug/l

RT: 5.80 min Scan# 762

Delta R.T. 0.00 min

Lab File: VX009251.D

Acq: 01 May 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

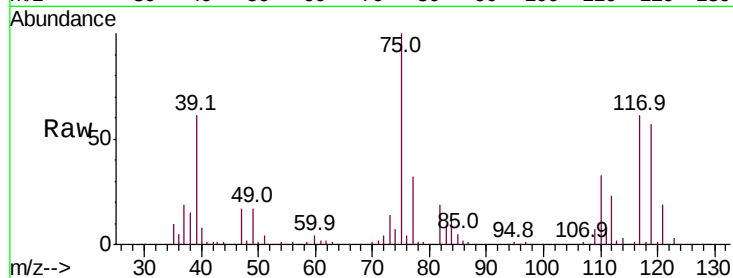
Tot Ion: 75 Resp: 54015

Ion Ratio Lower Upper

75 100

110 33.2 0.0 66.4

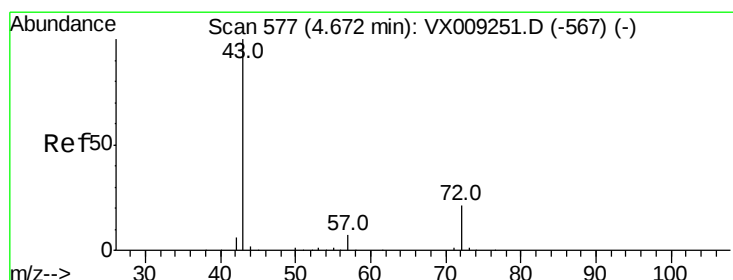
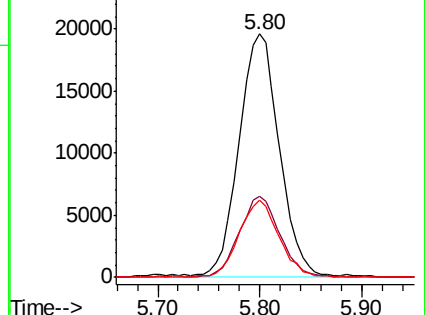
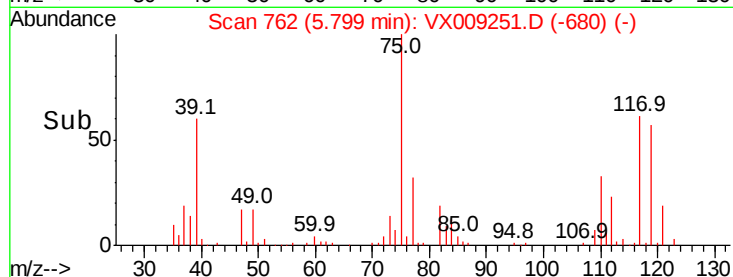
77 31.1 0.0 62.2



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 110.00 (109.70 to 110.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#30

2-Butanone

Concen: 100.000 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX009251.D

Acq: 01 May 2019 11:30

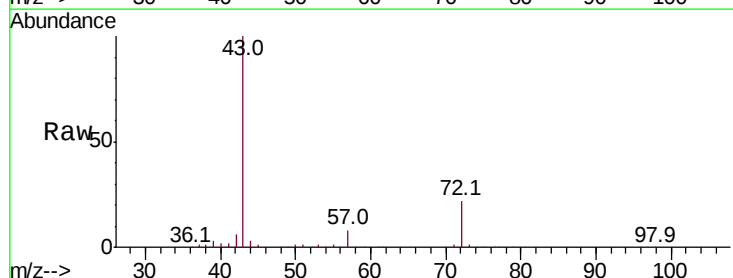
Tgt Ion: 43 Resp: 211387

Ion Ratio Lower Upper

43 100

57 7.5 6.0 9.0

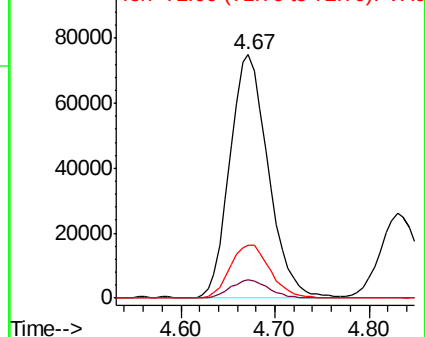
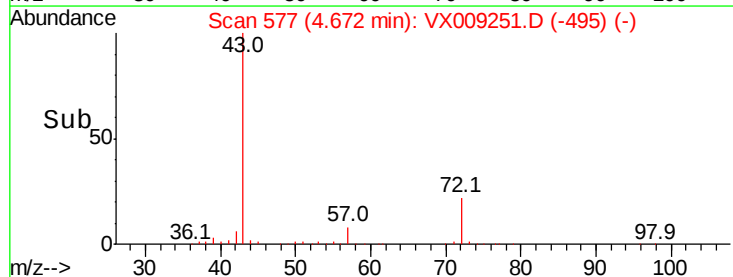
72 22.8 18.2 27.4

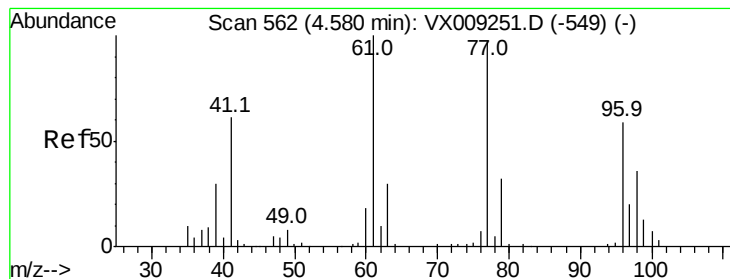


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#31

2,2-Dichloropropane

Concen: 20.000 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX009251.D

Acq: 01 May 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

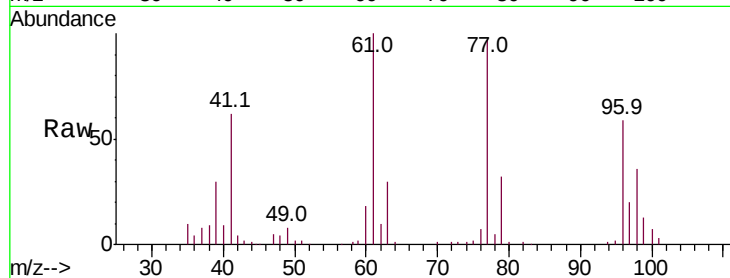
VSTDICCC020

Tot Ion: 77 Resp: 58958

Ion Ratio Lower Upper

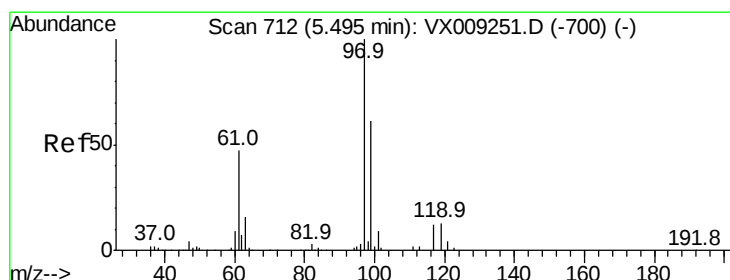
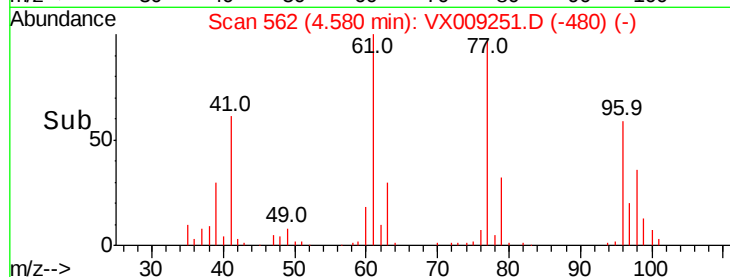
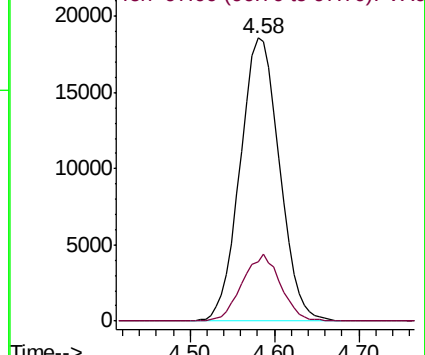
77 100

97 22.9 18.3 27.5



Abundance Ion 77.00 (76.70 to 77.70): VX0

Ion 97.00 (96.70 to 97.70): VX0



#32

1,1,1-Trichloroethane

Concen: 20.000 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX009251.D

Acq: 01 May 2019 11:30

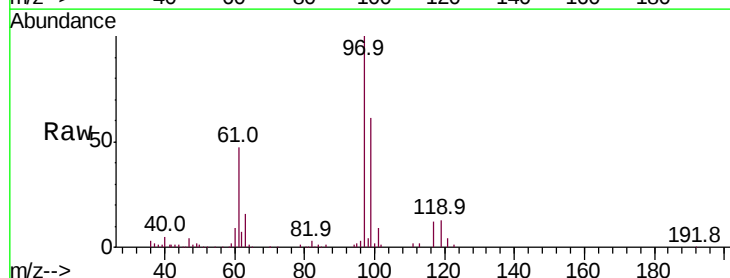
Tgt Ion: 97 Resp: 56735

Ion Ratio Lower Upper

97 100

99 67.4 53.9 80.9

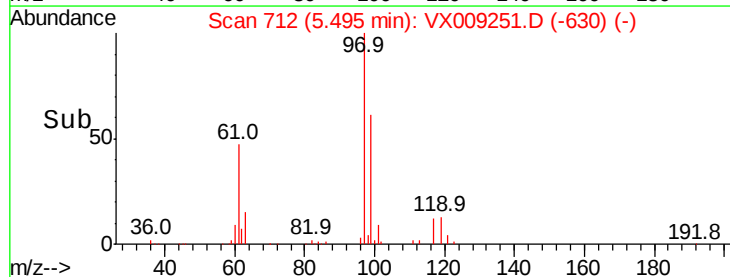
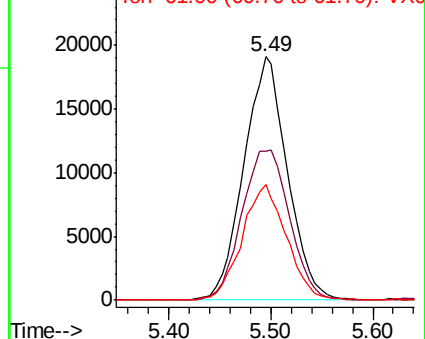
61 48.3 38.6 58.0

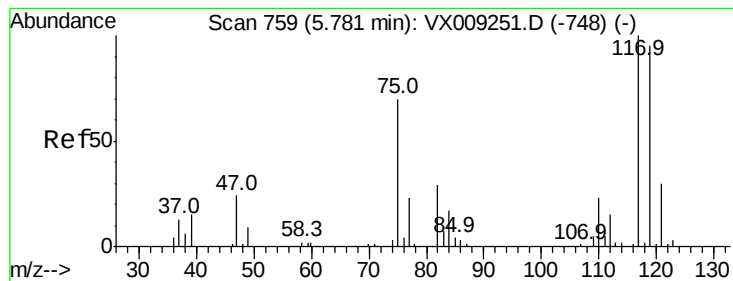


Abundance Ion 97.00 (96.70 to 97.70): VX0

Ion 99.00 (98.70 to 99.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#33

Carbon Tetrachloride

Concen: 20.000 ug/l

RT: 5.78 min Scan# 759

Delta R.T. 0.00 min

Lab File: VX009251.D

Acq: 01 May 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

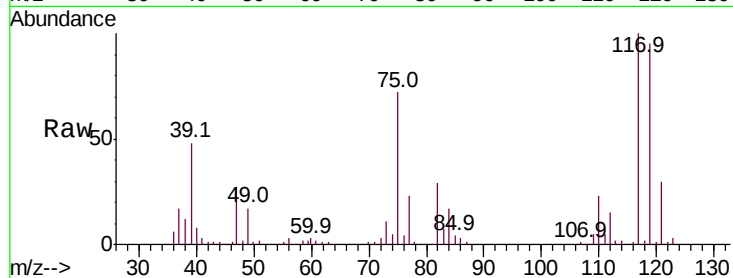
Tot Ion:117 Resp: 48232

Ion Ratio Lower Upper

117 100

119 95.1 76.1 114.1

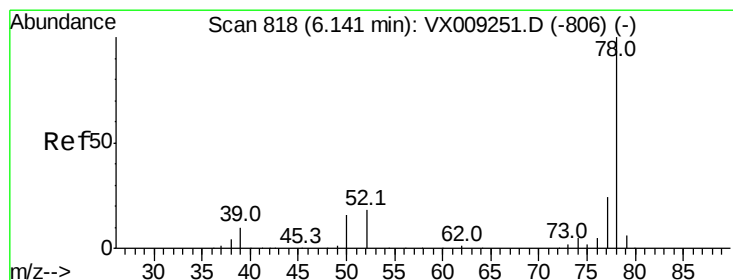
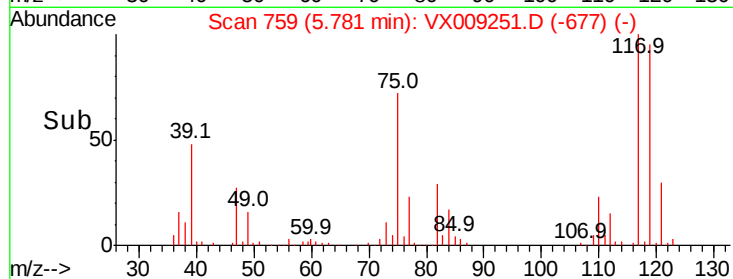
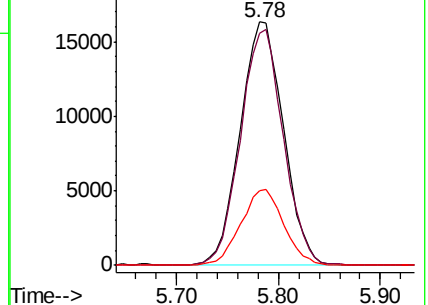
121 30.5 24.4 36.6



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: 20.000 ug/l

RT: 6.14 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX009251.D

Acq: 01 May 2019 11:30

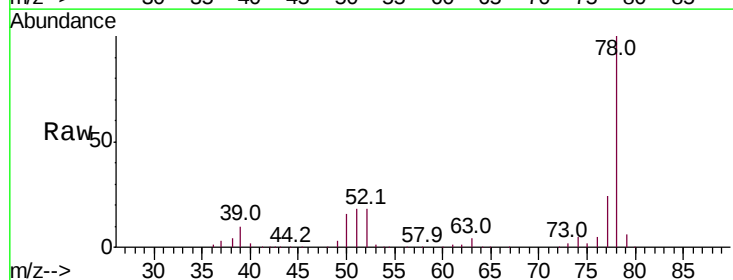
Tgt Ion: 78 Resp: 167473

Ion Ratio Lower Upper

78 100

77 23.5 18.8 28.2

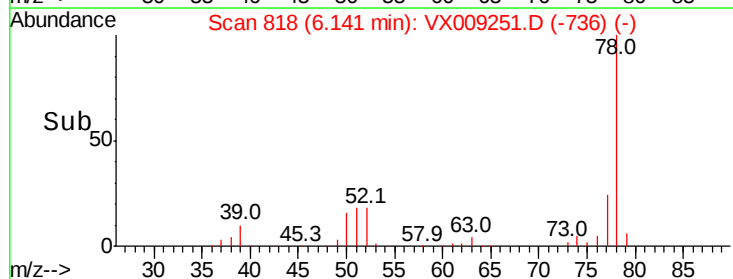
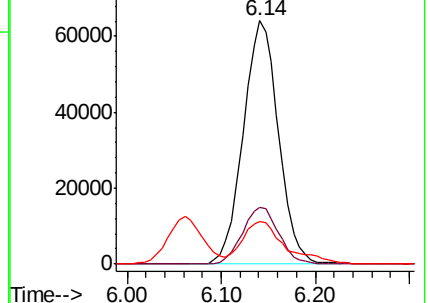
51 16.9 13.5 20.3

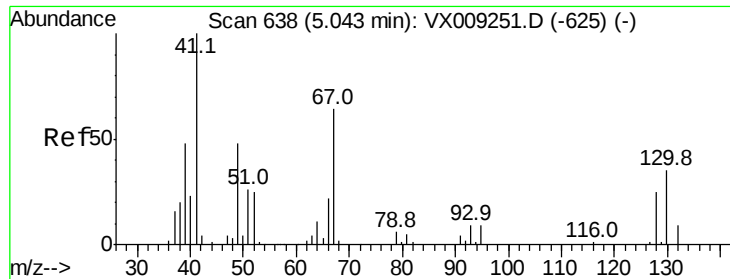


Abundance Ion 78.10 (77.80 to 78.80): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

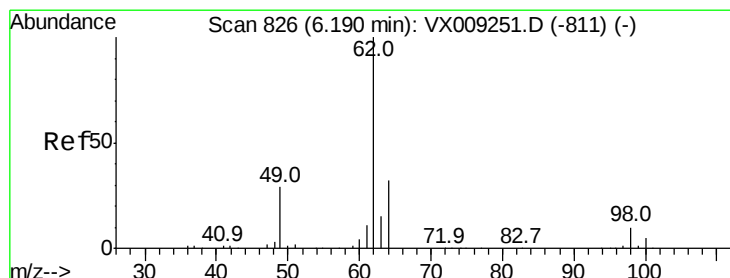
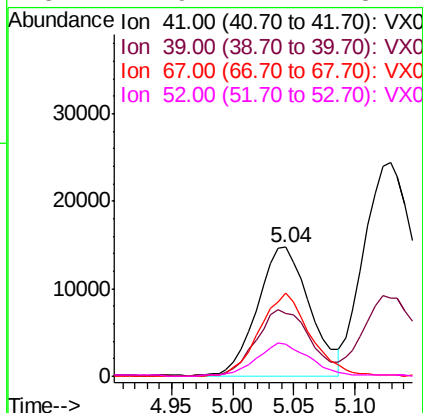
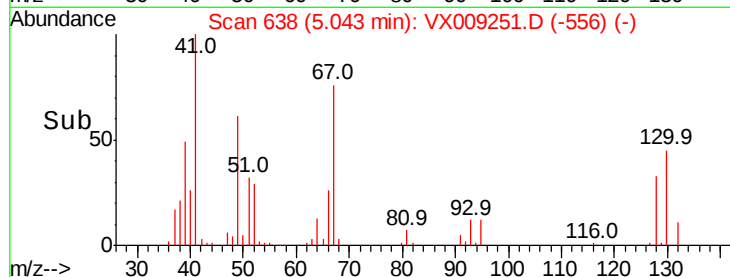
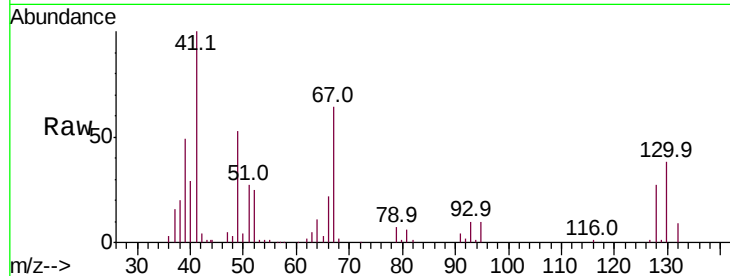




#35
Methacrylonitrile
Concen: 20.000 ug/l
RT: 5.04 min Scan# 638
Delta R.T. 0.00 min
Lab File: VX009251.D
Acq: 01 May 2019 11:30

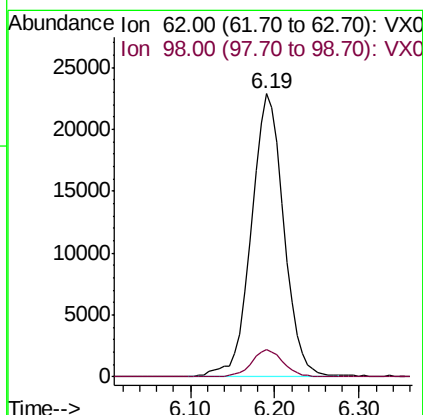
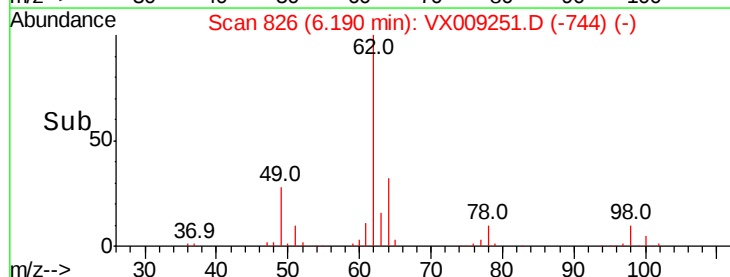
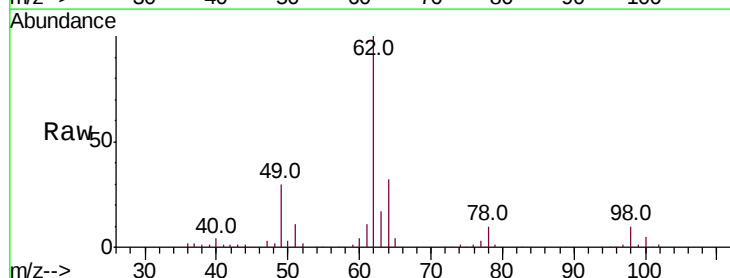
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

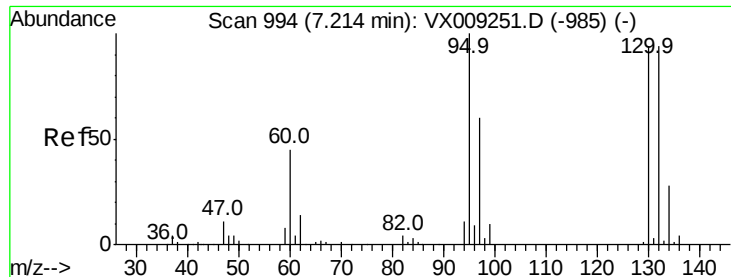
Tot Ion:	41	Resp:	44309
Ion	Ratio	Lower	Upper
41	100		
39	48.2	24.1	72.3
67	64.4	32.2	96.6
52	24.9	12.4	37.4



#36
1,2-Dichloroethane
Concen: 20.000 ug/l
RT: 6.19 min Scan# 826
Delta R.T. 0.00 min
Lab File: VX009251.D
Acq: 01 May 2019 11:30

Tgt Ion:	62	Resp:	60331
Ion	Ratio	Lower	Upper
62	100		
98	9.3	7.4	11.2

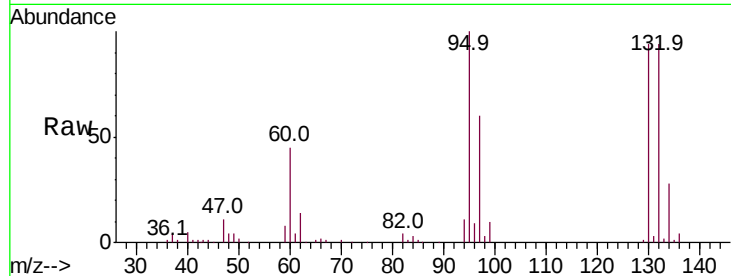




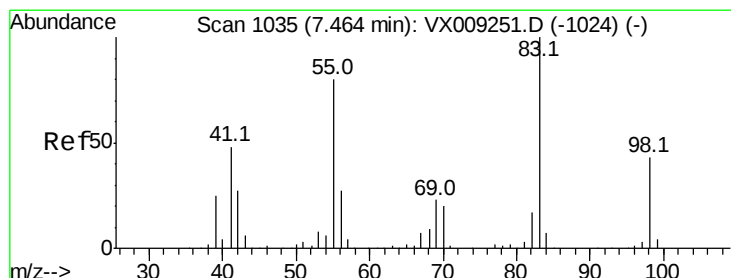
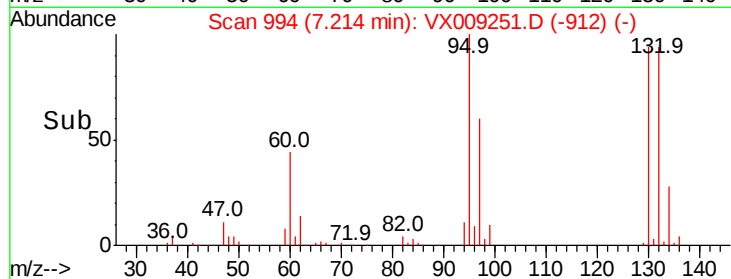
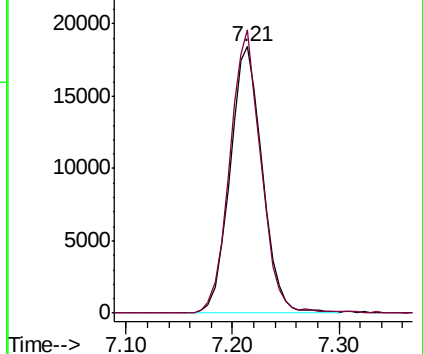
#37
 Trichloroethene
 Concen: 20.000 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX009251.D
 Acq: 01 May 2019 11:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion:130 Resp: 39230
 Ion Ratio Lower Upper
 130 100
 95 106.2 85.0 127.4

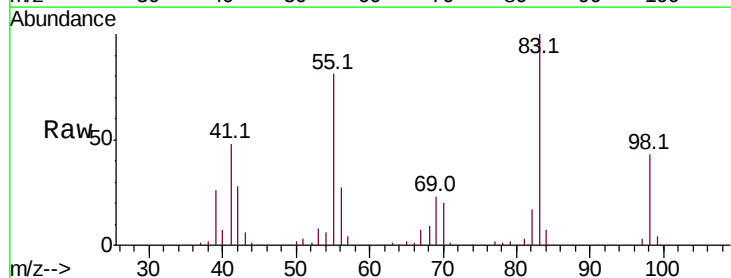


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VX0

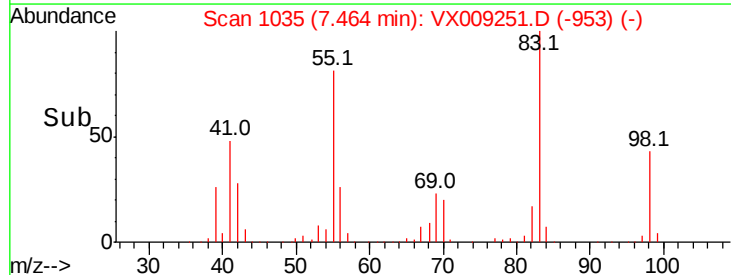
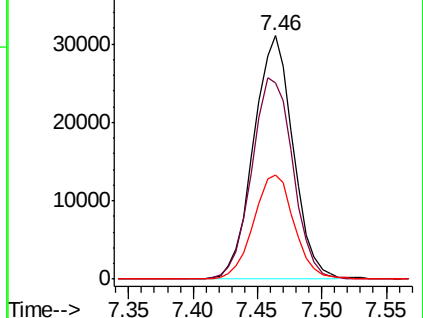


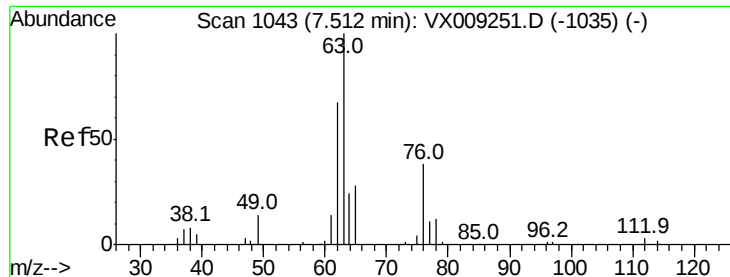
#38
 Methylcyclohexane
 Concen: 20.000 ug/l
 RT: 7.46 min Scan# 1035
 Delta R.T. 0.00 min
 Lab File: VX009251.D
 Acq: 01 May 2019 11:30

Tgt Ion: 83 Resp: 66028
 Ion Ratio Lower Upper
 83 100
 55 86.1 43.0 129.2
 98 44.1 22.1 66.1



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

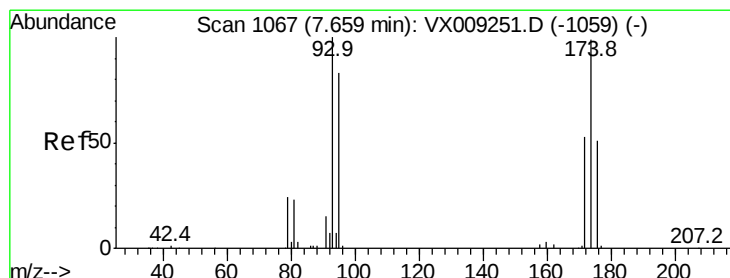
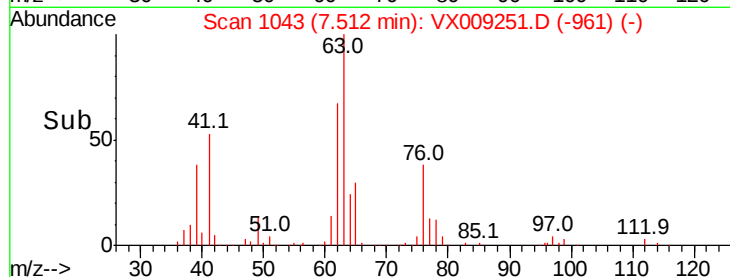
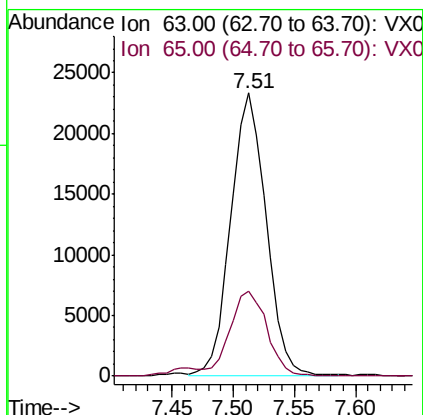
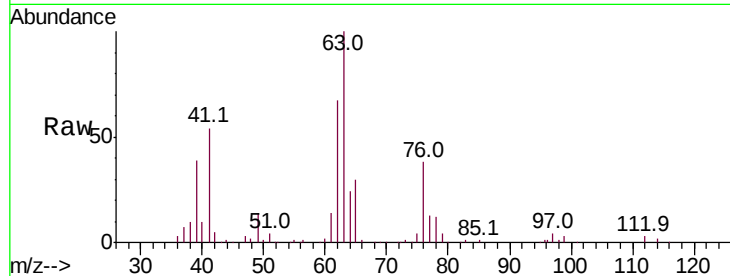




#39
 1,2-Dichloropropane
 Concen: 20.000 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX009251.D
 Acq: 01 May 2019 11:30

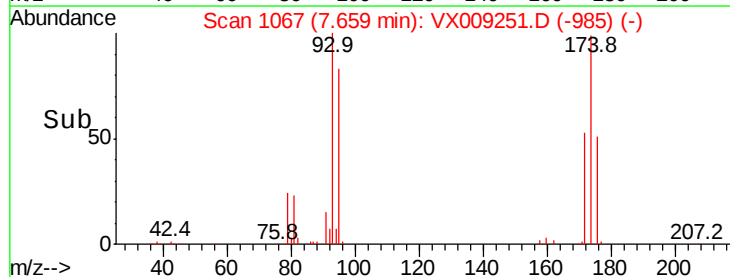
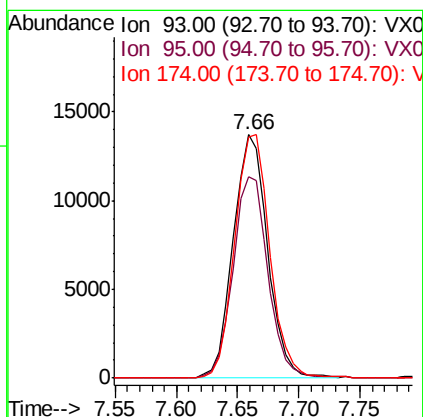
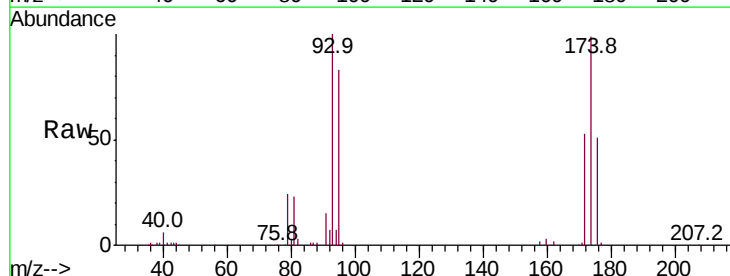
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

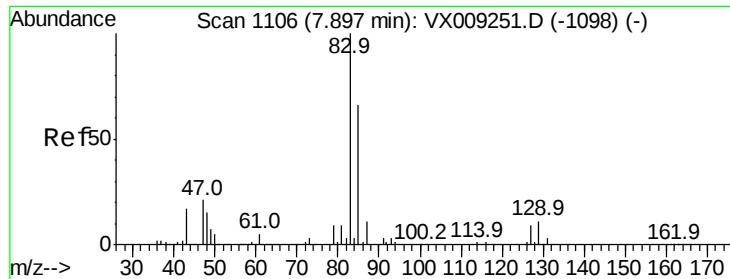
Tot Ion: 63 Resp: 47018
 Ion Ratio Lower Upper
 63 100
 65 30.0 24.0 36.0



#40
 Dibromomethane
 Concen: 20.000 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX009251.D
 Acq: 01 May 2019 11:30

Tgt Ion: 93 Resp: 26781
 Ion Ratio Lower Upper
 93 100
 95 83.6 0.0 167.2
 174 101.7 0.0 203.4





#41

Bromodichloromethane

Concen: 20.000 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX009251.D

Acq: 01 May 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

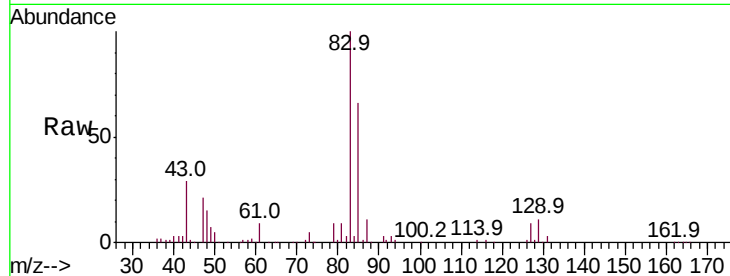
Tot Ion: 83 Resp: 53628

Ion Ratio Lower Upper

83 100

85 65.8 52.6 79.0

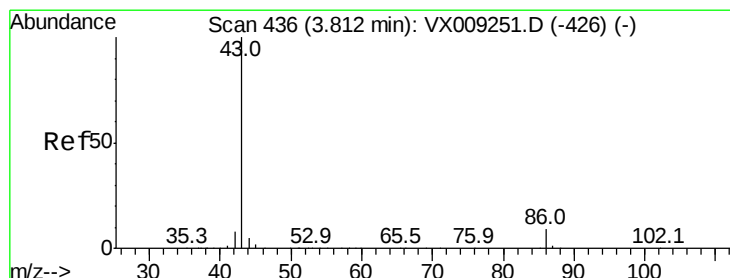
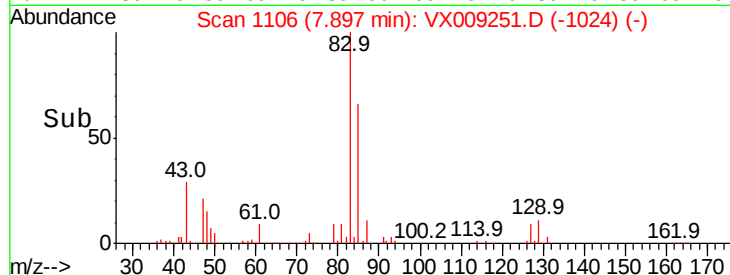
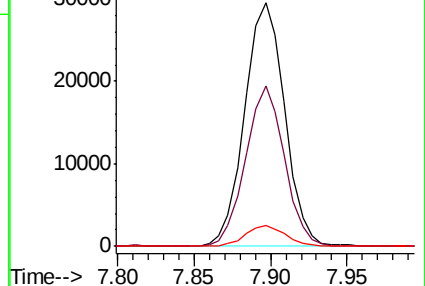
127 8.6 6.9 10.3



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: 100.000 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX009251.D

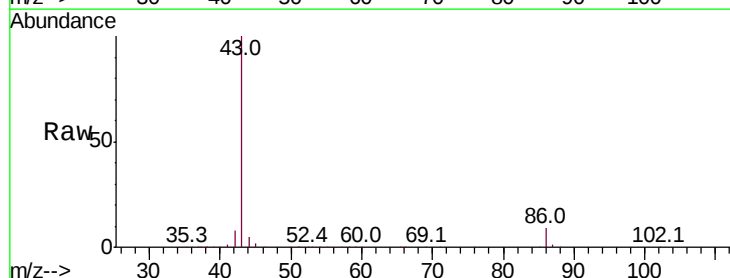
Acq: 01 May 2019 11:30

Tgt Ion: 43 Resp: 700642

Ion Ratio Lower Upper

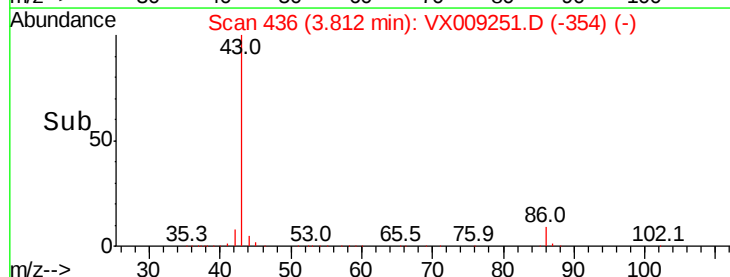
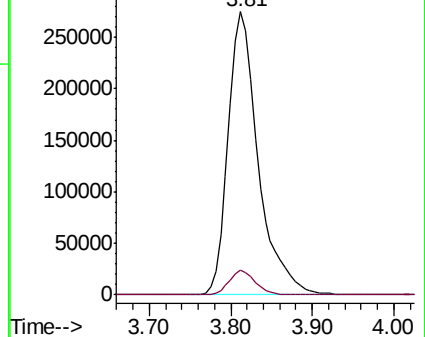
43 100

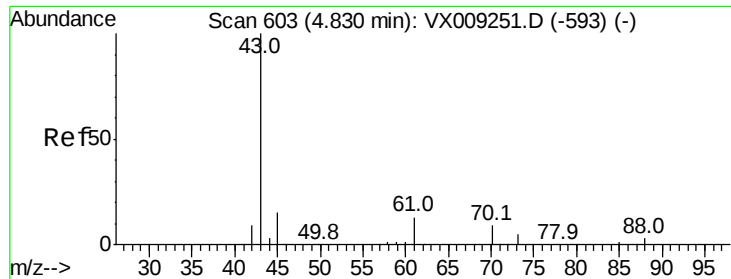
86 7.5 6.0 9.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

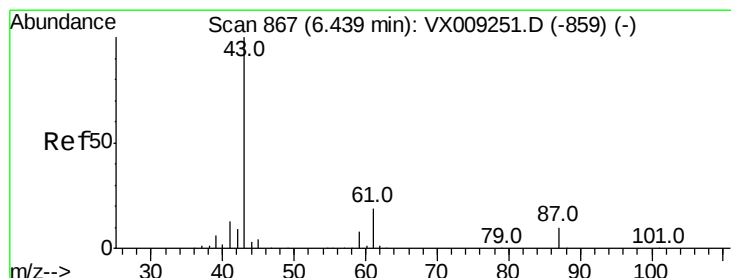
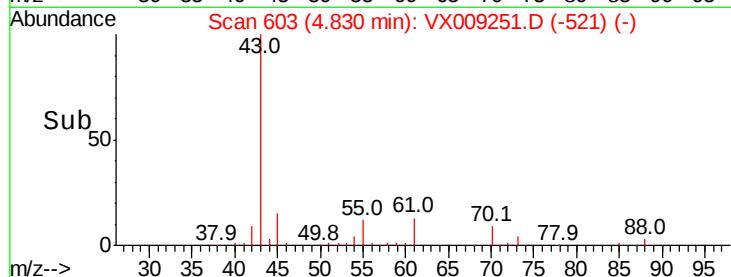
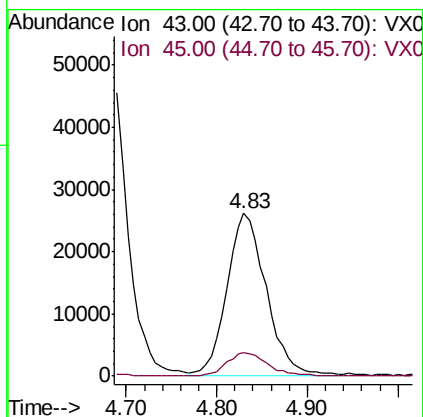
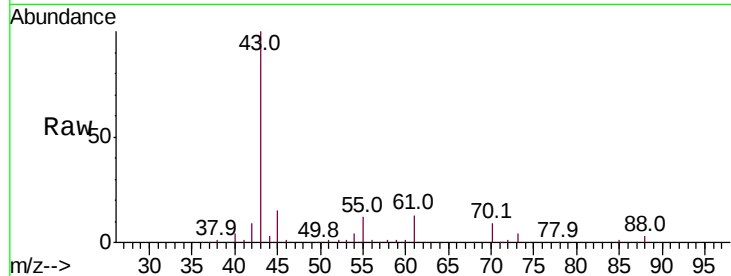




#43
Ethyl Acetate
Concen: 20.000 ug/l
RT: 4.83 min Scan# 603
Delta R.T. 0.00 min
Lab File: VX009251.D
Acq: 01 May 2019 11:30

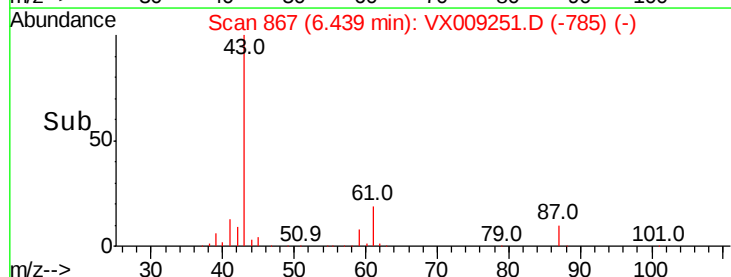
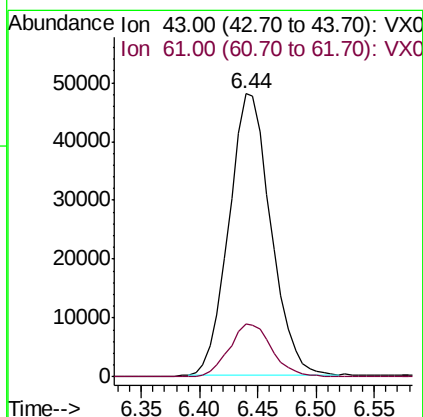
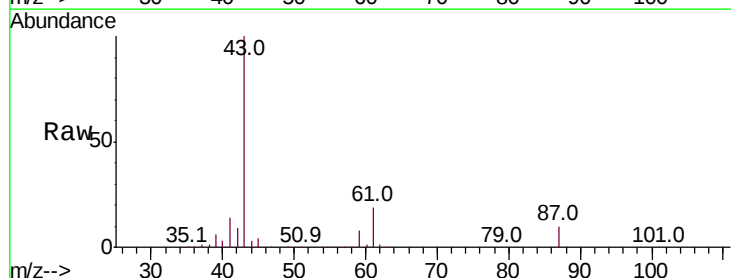
Instrument :
MSVOA_X
ClientSampled :
VSTDICCC020

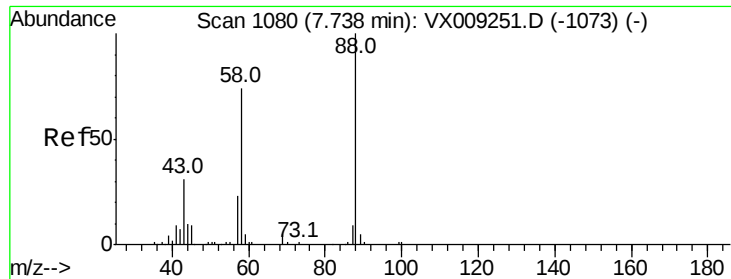
Tot Ion: 43 Resp: 78216
Ion Ratio Lower Upper
43 100
45 14.8 11.8 17.8



#44
Isopropyl Acetate
Concen: 20.000 ug/l
RT: 6.44 min Scan# 867
Delta R.T. 0.00 min
Lab File: VX009251.D
Acq: 01 May 2019 11:30

Tgt Ion: 43 Resp: 120346
Ion Ratio Lower Upper
43 100
61 19.3 15.4 23.2





#45

1,4-Dioxane

Concen: 400.000 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. 0.00 min

Lab File: VX009251.D

Acq: 01 May 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

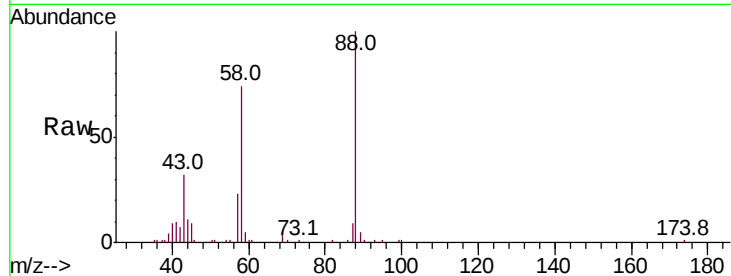
Tot Ion: 88 Resp: 23928

Ion Ratio Lower Upper

88 100

43 35.6 28.5 42.7

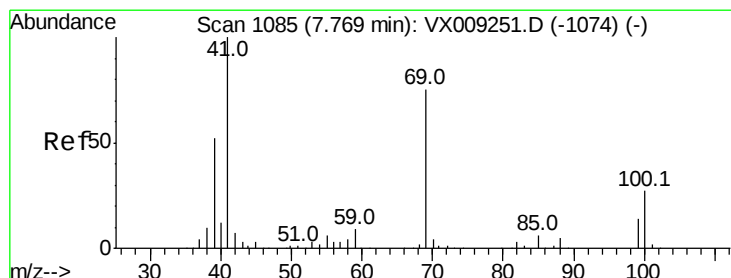
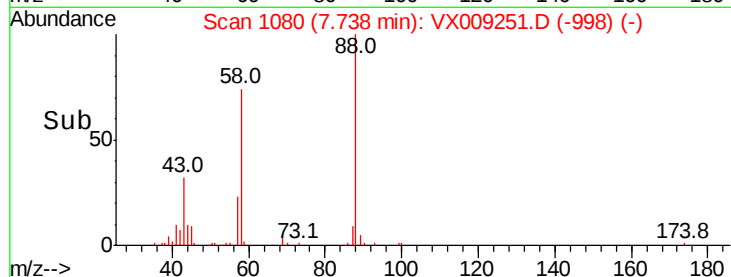
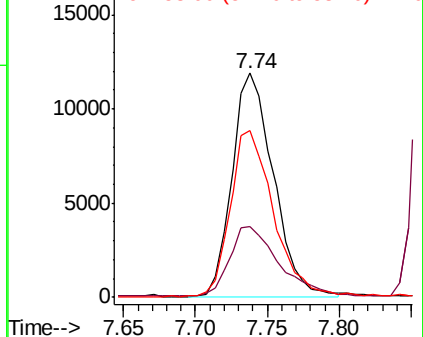
58 78.1 62.5 93.7



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#46

Methyl methacrylate

Concen: 20.000 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VX009251.D

Acq: 01 May 2019 11:30

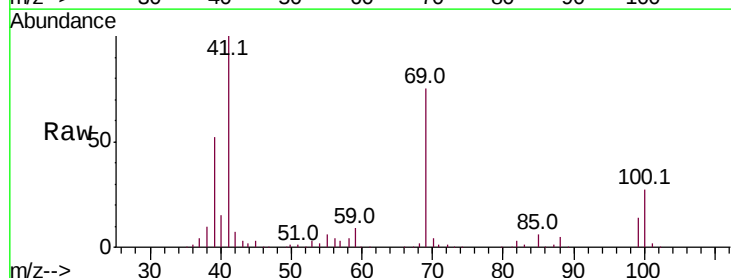
Tgt Ion: 41 Resp: 60837

Ion Ratio Lower Upper

41 100

69 75.2 37.6 112.8

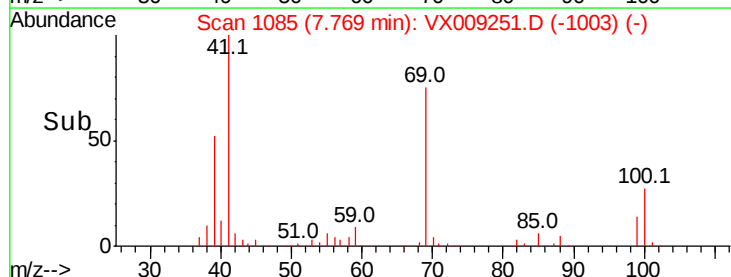
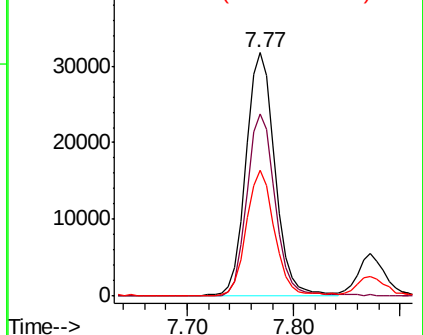
39 51.5 25.8 77.3

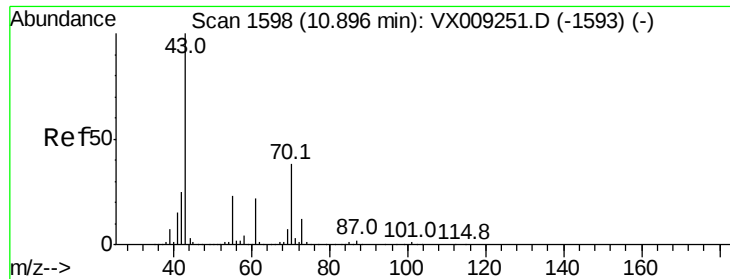


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#47

n-amvl Acetate

Concen: 20.000 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX009251.D

Acq: 01 May 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

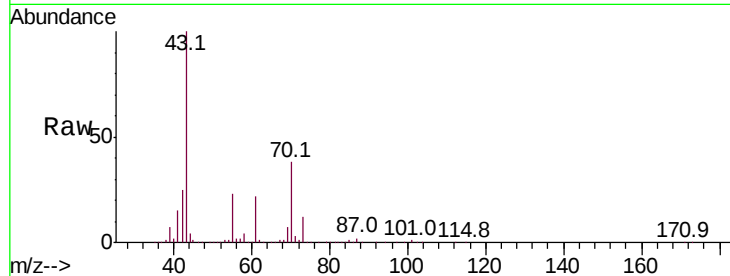
VSTDICCC020

Tot Ion: 43 Resp: 107459

Ion Ratio Lower Upper

43 100

55 22.8 18.2 27.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

10.90

80000

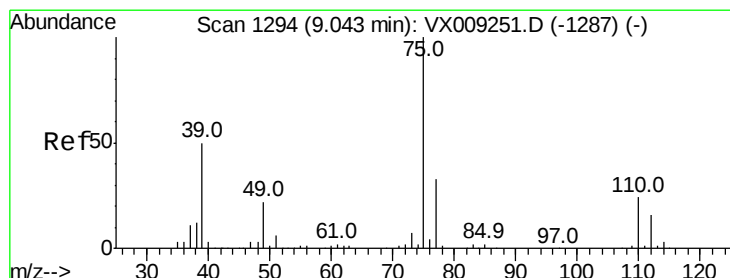
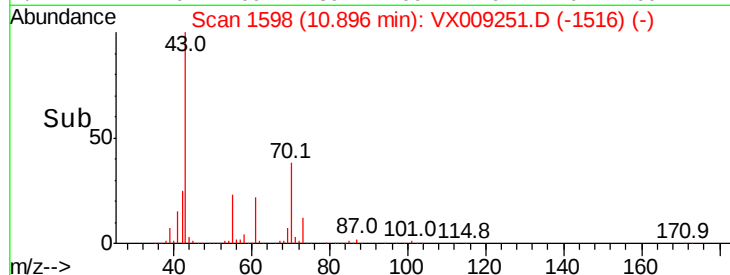
60000

40000

20000

0

Time-->



#48

t-1,3-Dichloropropene

Concen: 20.000 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX009251.D

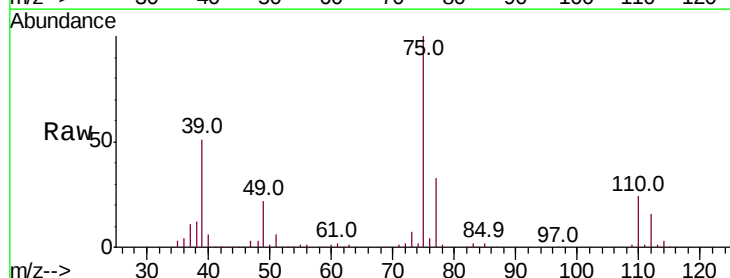
Acq: 01 May 2019 11:30

Tgt Ion: 75 Resp: 61325

Ion Ratio Lower Upper

75 100

77 33.1 26.5 39.7



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

9.04

40000

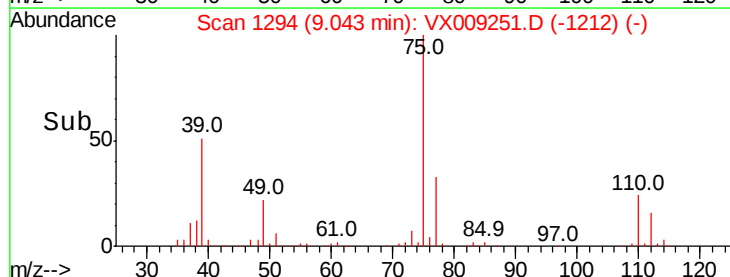
30000

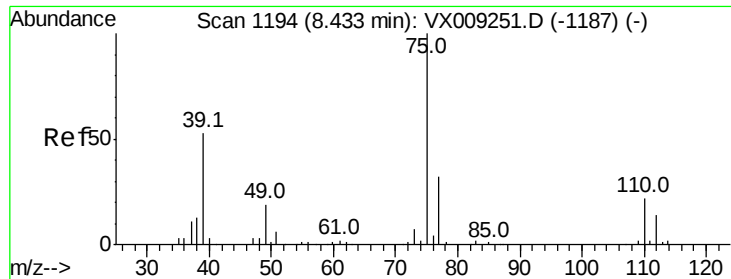
20000

10000

0

Time-->

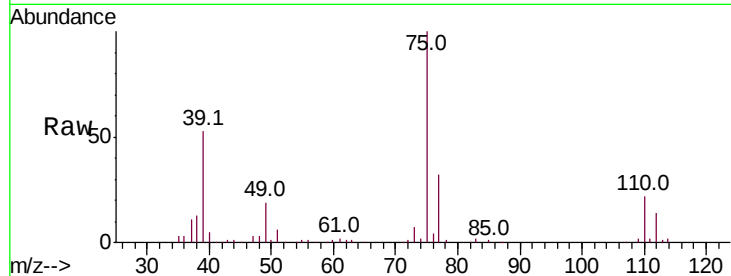




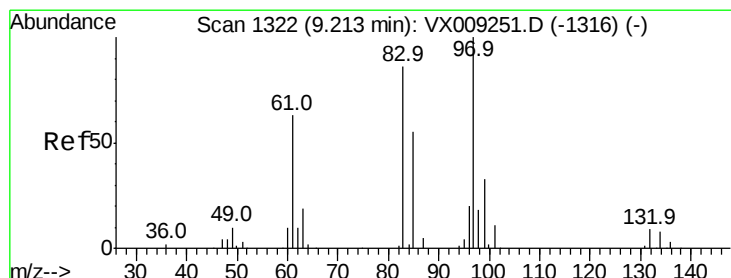
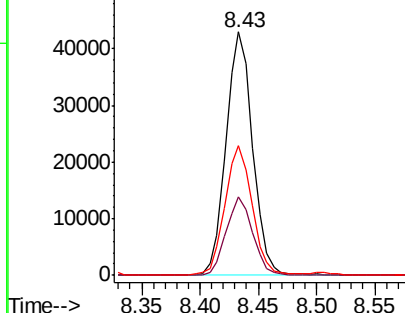
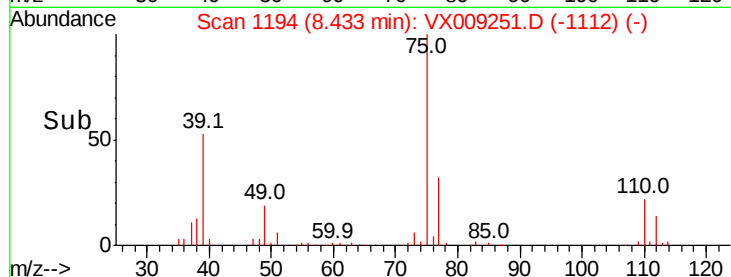
#49
 cis-1,3-Dichloropropene
 Concen: 20.000 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX009251.D
 Acq: 01 May 2019 11:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion: 75 Resp: 68273
 Ion Ratio Lower Upper
 75 100
 77 32.5 26.0 39.0
 39 53.2 42.6 63.8

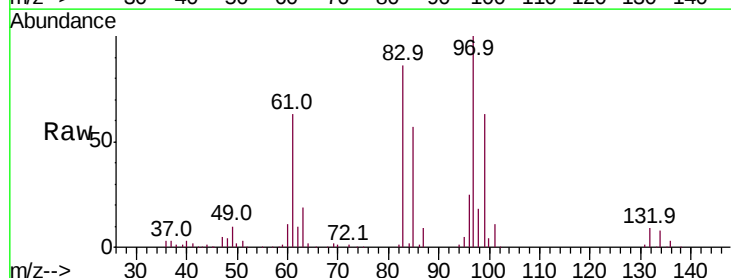


Abundance Ion 75.00 (74.70 to 75.70): VX0
 Ion 77.00 (76.70 to 77.70): VX0
 Ion 39.00 (38.70 to 39.70): VX0

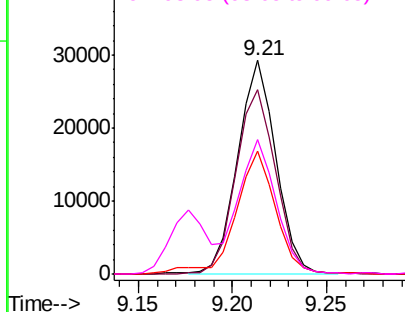
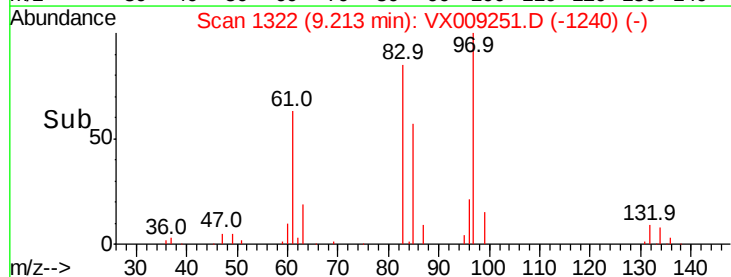


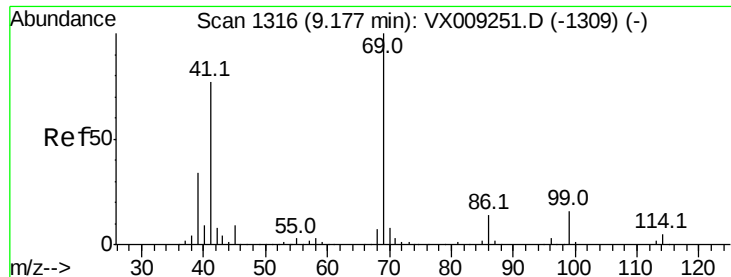
#50
 1,1,2-Trichloroethane
 Concen: 20.000 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX009251.D
 Acq: 01 May 2019 11:30

Tgt Ion: 97 Resp: 41113
 Ion Ratio Lower Upper
 97 100
 83 86.0 68.8 103.2
 85 57.2 45.8 68.6
 99 62.5 50.0 75.0



Abundance Ion 97.00 (96.70 to 97.70): VX0
 Ion 82.95 (82.65 to 83.65): VX0
 Ion 84.95 (84.65 to 85.65): VX0
 Ion 98.95 (98.65 to 99.65): VX0





#51

Ethyl methacrylate

Concen: 20.000 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX009251.D

Acq: 01 May 2019 11:30

Instrument :

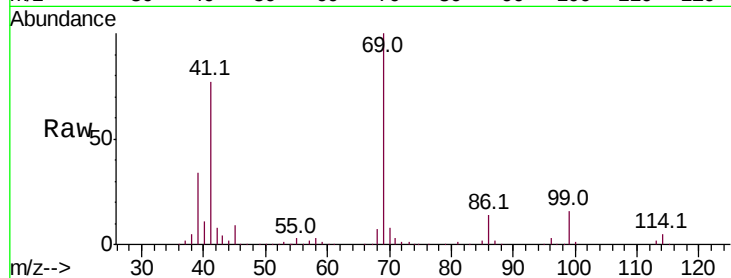
MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 69 Resp: 74666

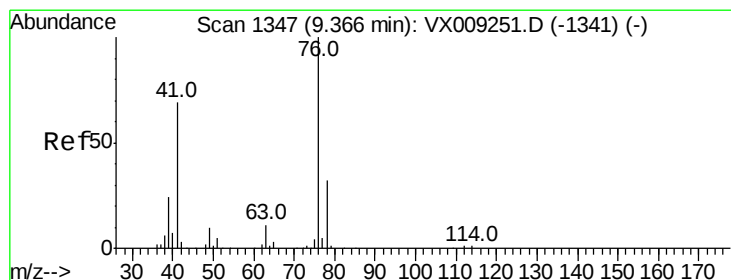
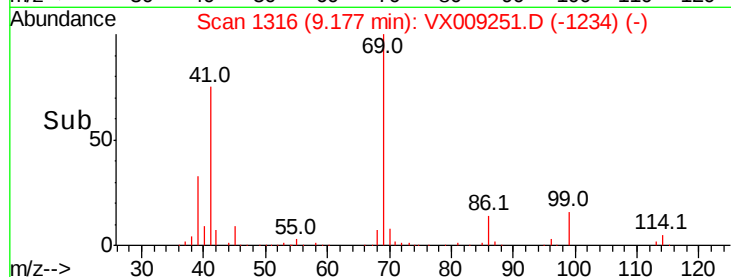
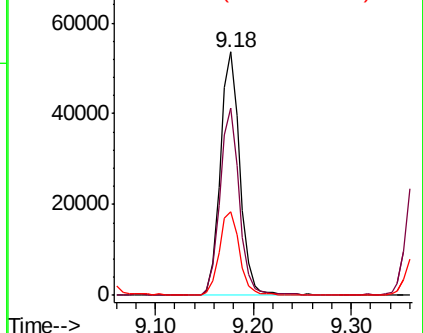
Ion	Ratio	Lower	Upper
69	100		
41	76.8	38.4	115.2
39	34.3	17.2	51.5



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: 20.000 ug/l

RT: 9.37 min Scan# 1347

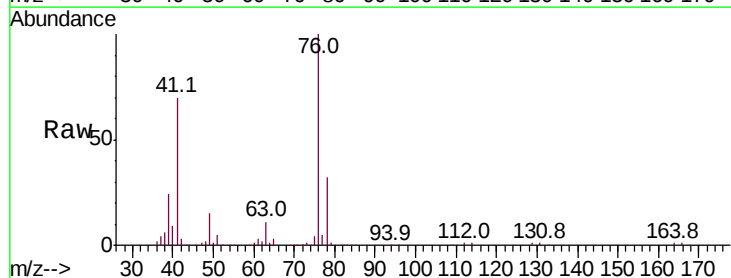
Delta R.T. 0.00 min

Lab File: VX009251.D

Acq: 01 May 2019 11:30

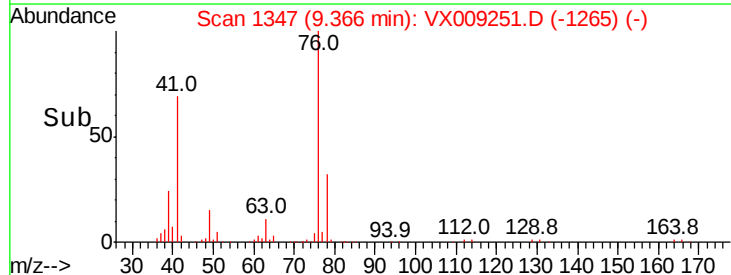
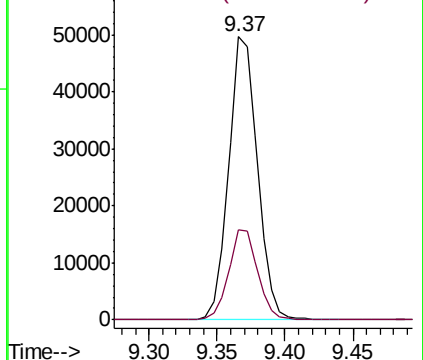
Tgt Ion: 76 Resp: 73033

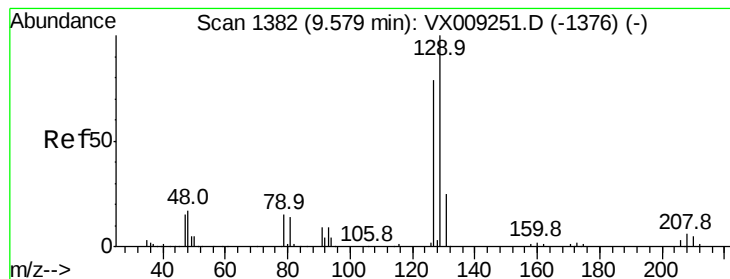
Ion	Ratio	Lower	Upper
76	100		
78	32.1	0.0	64.2



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





#53

Dibromochloromethane

Concen: 20.000 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VX009251.D

Acq: 01 May 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

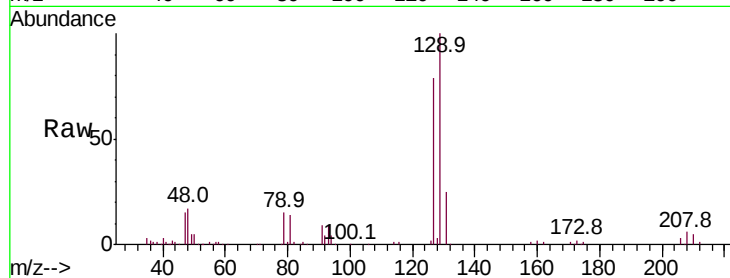
VSTDICCC020

Tot Ion:129 Resp: 39529

Ion Ratio Lower Upper

129 100

127 78.3 39.1 117.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

9.58

30000

25000

20000

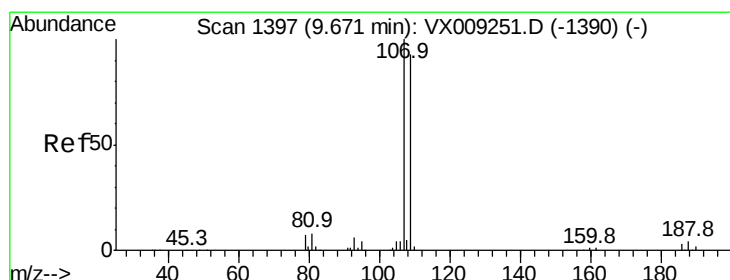
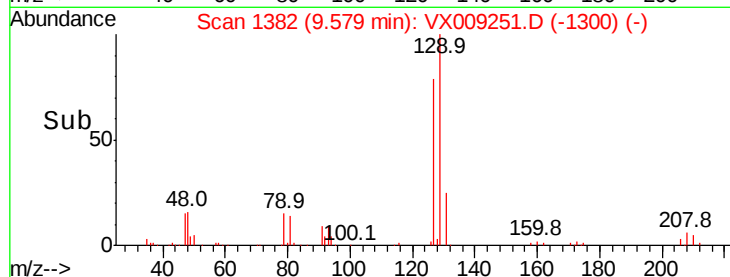
15000

10000

5000

0

Time--> 9.50 9.55 9.60 9.65



#54

1,2-Dibromoethane

Concen: 20.000 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX009251.D

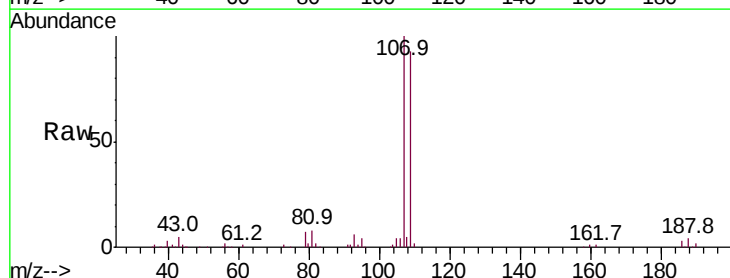
Acq: 01 May 2019 11:30

Tgt Ion:107 Resp: 41770

Ion Ratio Lower Upper

107 100

109 94.4 75.5 113.3



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

9.67

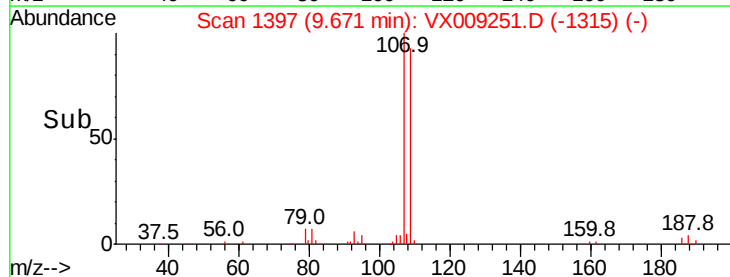
30000

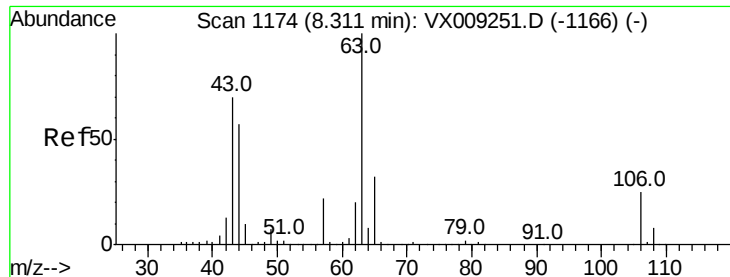
20000

10000

0

Time--> 9.60 9.65 9.70 9.75





#55

2-Chloroethyl vinyl ether

Concen: 100.000 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX009251.D

Acq: 01 May 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

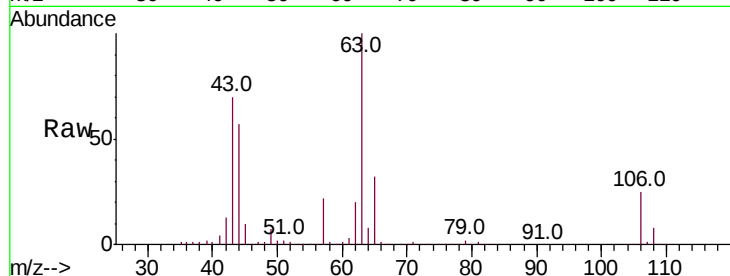
Tot Ion: 63 Resp: 210312

Ion Ratio Lower Upper

63 100

65 32.2 25.8 38.6

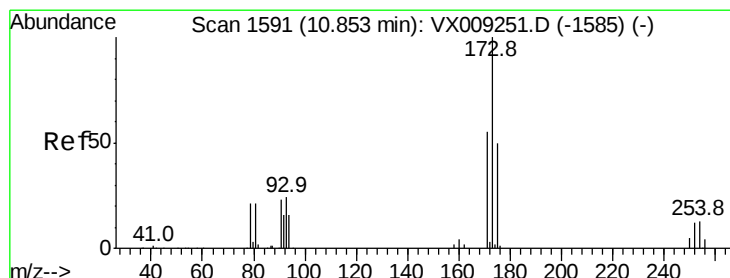
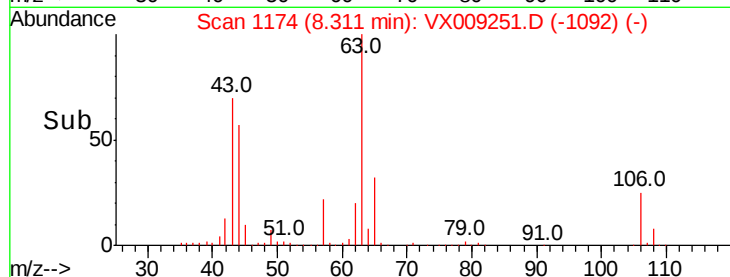
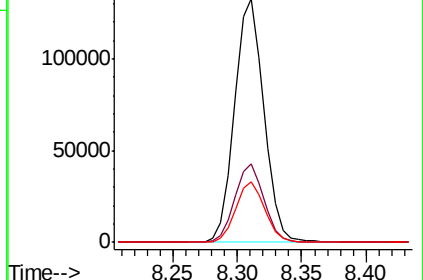
106 24.7 19.8 29.6



Abundance Ion 63.00 (62.70 to 63.70): VX009251.D (-1166) (-)

Ion 65.00 (64.70 to 65.70): VX009251.D (-1166) (-)

Ion 106.00 (105.70 to 106.70): VX009251.D (-1166) (-)



#56

Bromoform

Concen: 20.000 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX009251.D

Acq: 01 May 2019 11:30

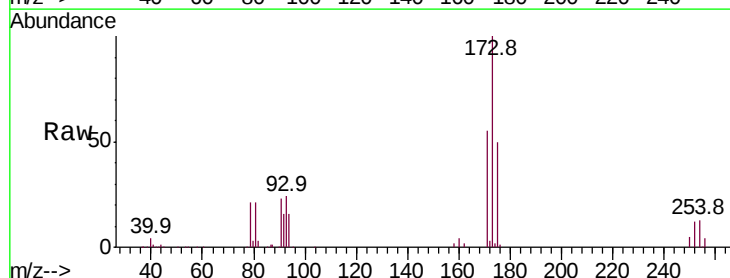
Tgt Ion: 173 Resp: 29376

Ion Ratio Lower Upper

173 100

175 49.3 39.4 59.2

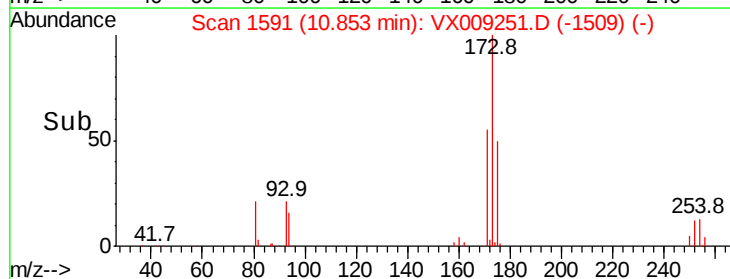
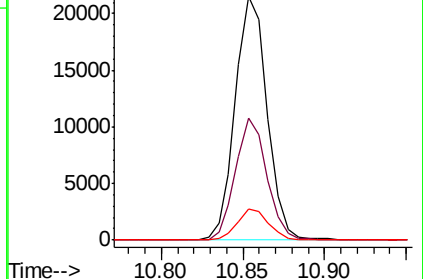
254 12.4 9.9 14.9

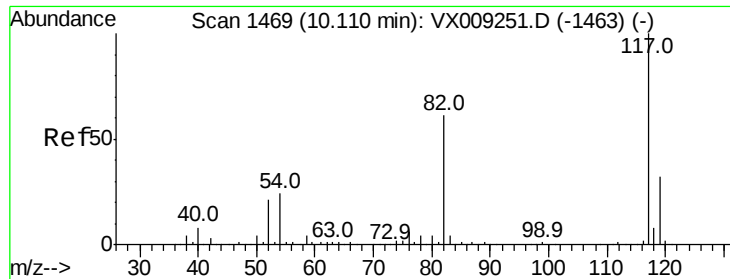


Abundance Ion 173.00 (172.70 to 173.70): VX009251.D (-1585) (-)

Ion 175.00 (174.70 to 175.70): VX009251.D (-1585) (-)

Ion 254.00 (253.70 to 254.70): VX009251.D (-1585) (-)

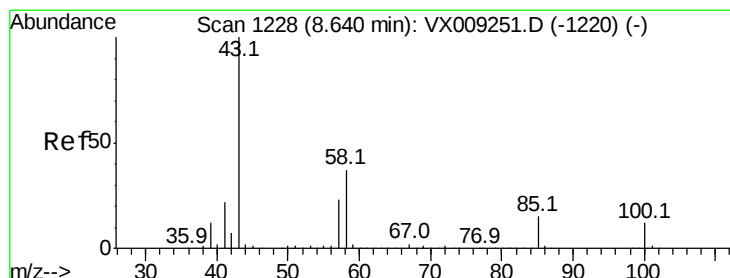
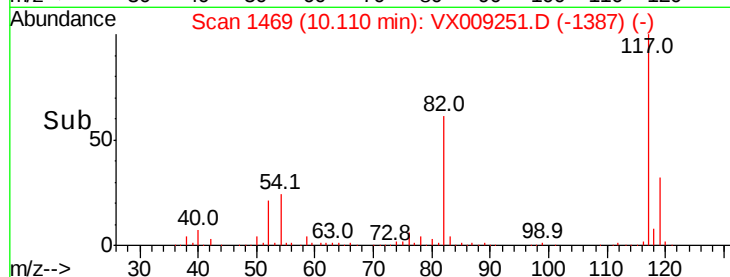
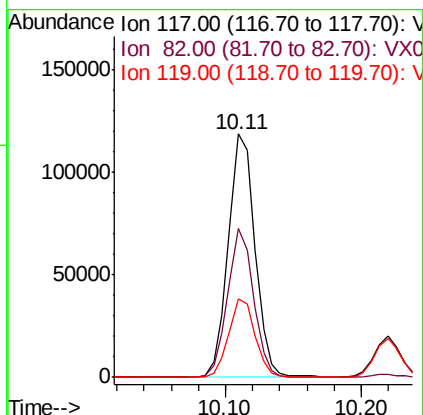
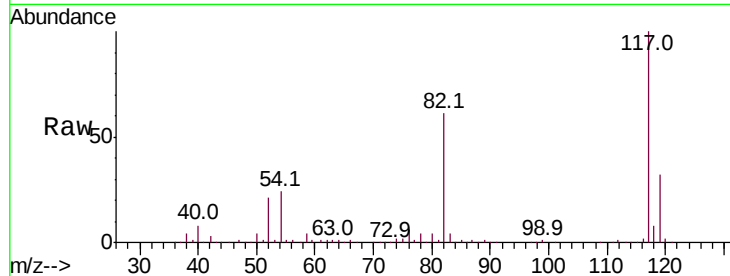




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009251.D
Acq: 01 May 2019 11:30

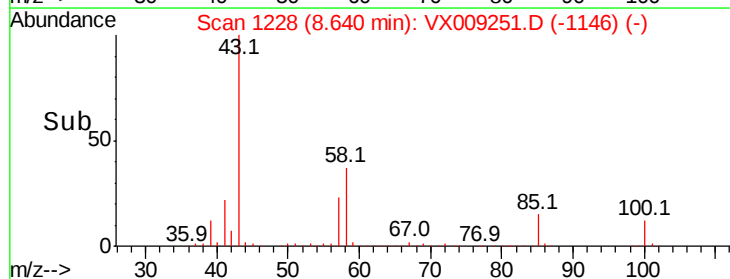
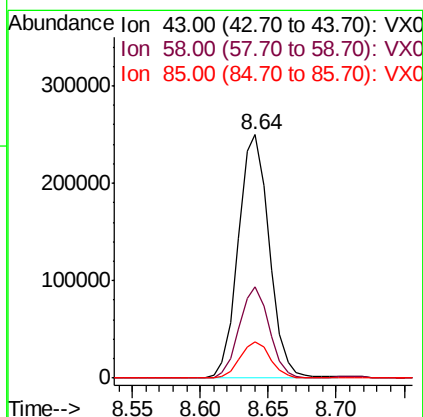
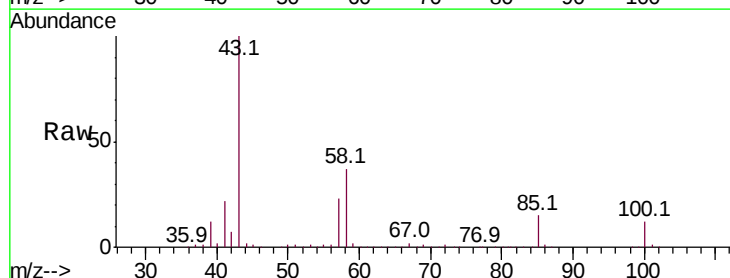
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

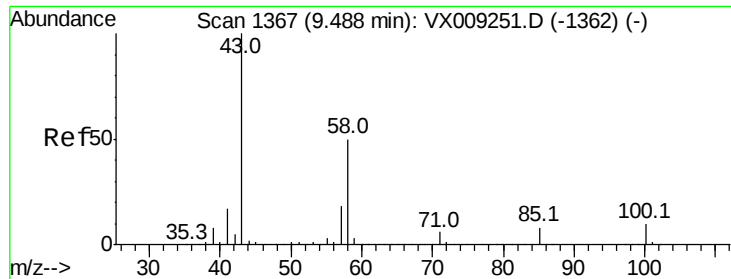
Tot Ion:117 Resp: 162783
Ion Ratio Lower Upper
117 100
82 59.8 47.8 71.8
119 32.0 25.6 38.4



#58
4-Methyl-2-Pentanone
Concen: 100.000 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX009251.D
Acq: 01 May 2019 11:30

Tgt Ion: 43 Resp: 398042
Ion Ratio Lower Upper
43 100
58 36.7 29.4 44.0
85 14.8 11.8 17.8

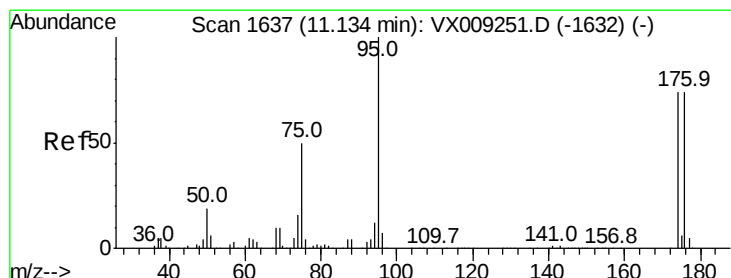
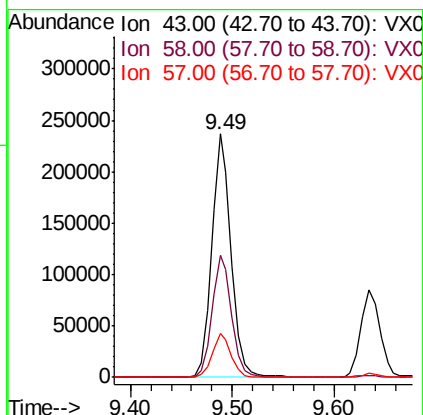
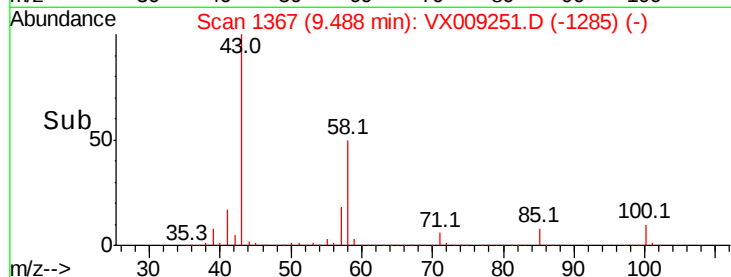
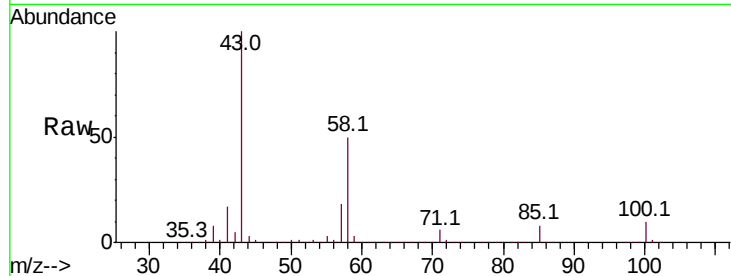




#59
2-Hexanone
Concen: 100.000 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX009251.D
Acq: 01 May 2019 11:30

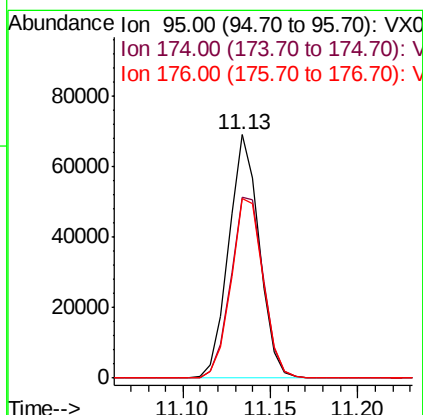
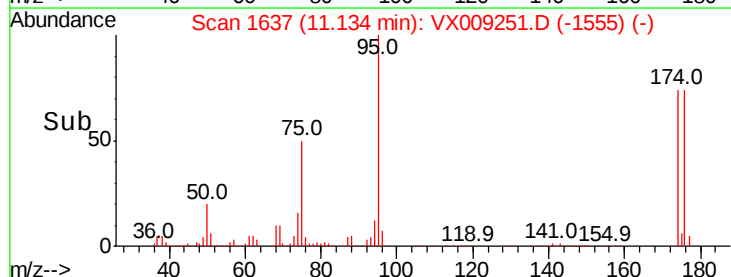
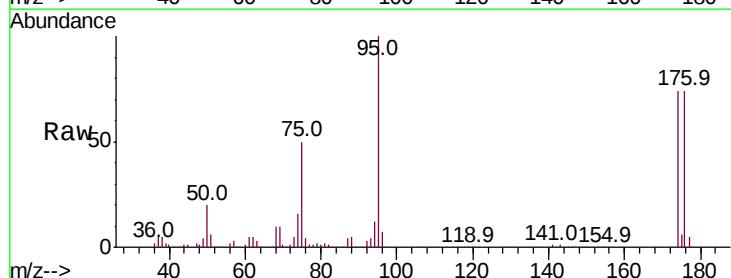
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

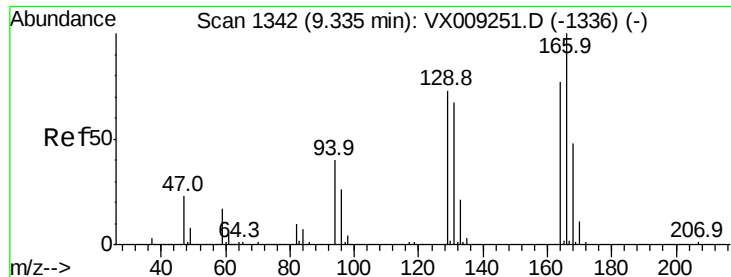
Tot Ion: 43 Resp: 313933
Ion Ratio Lower Upper
43 100
58 51.0 40.8 61.2
57 17.6 14.1 21.1



#60
4-Bromofluorobenzene
Concen: 30.000 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX009251.D
Acq: 01 May 2019 11:30

Tgt Ion: 95 Resp: 83807
Ion Ratio Lower Upper
95 100
174 79.5 63.6 95.4
176 78.0 62.4 93.6





#61

Tetrachloroethene

Concen: 20.000 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX009251.D

Acq: 01 May 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion:164 Resp: 35851

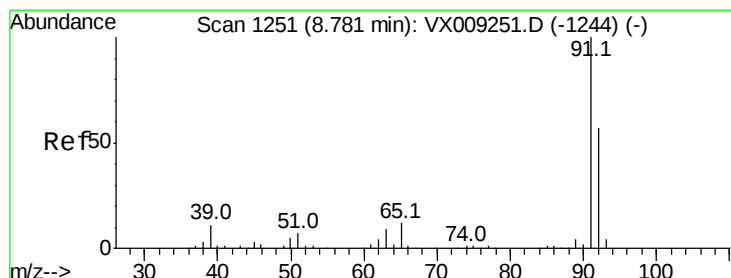
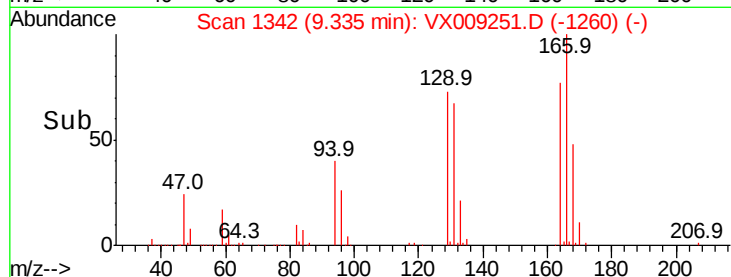
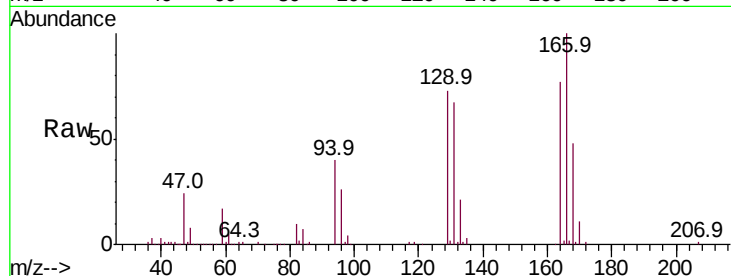
Ion Ratio Lower Upper

164 100

166 130.1 104.1 156.1

129 95.0 76.0 114.0

131 87.6 70.1 105.1



#62

Toluene

Concen: 20.000 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX009251.D

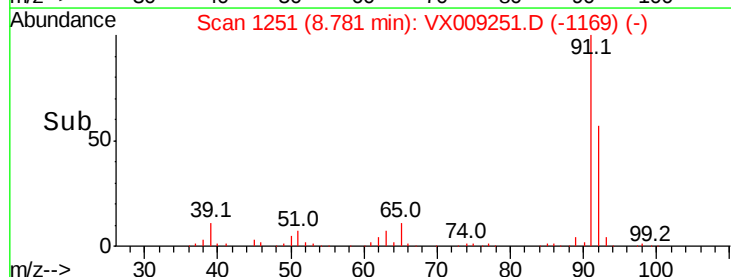
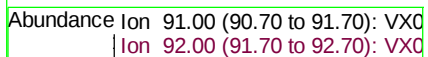
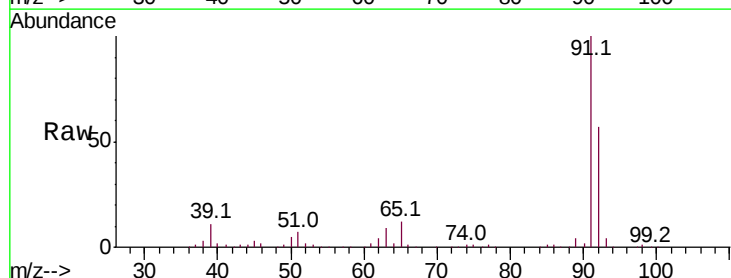
Acq: 01 May 2019 11:30

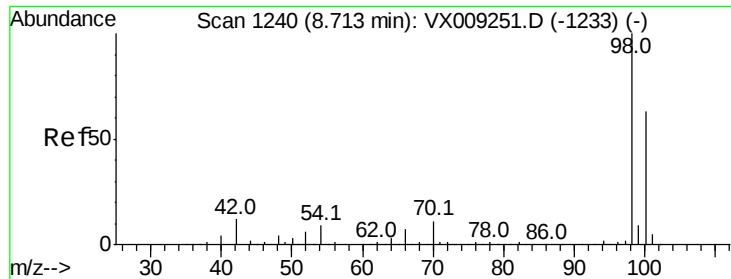
Tgt Ion: 91 Resp: 174885

Ion Ratio Lower Upper

91 100

92 57.6 46.1 69.1





#63

Toluene-d8

Concen: 30.000 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009251.D

Acq: 01 May 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

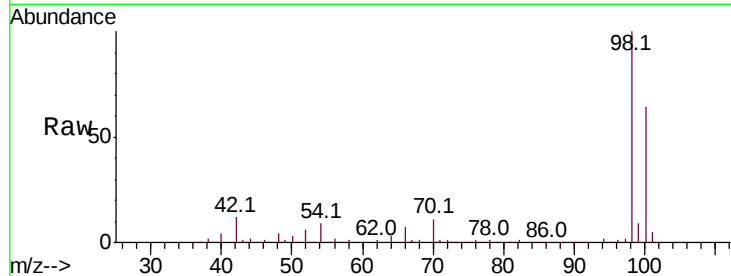
VSTDICCC020

Tot Ion: 98 Resp: 236036

Ion Ratio Lower Upper

98 100

100 65.4 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VX009251.D (-1233) (-)

Ion 100.00 (99.70 to 100.70): VX009251.D (-1233) (-)

8.71

150000

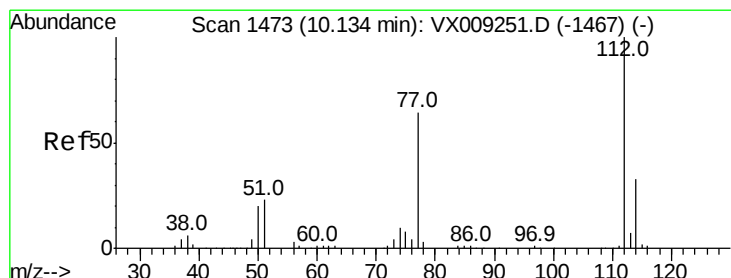
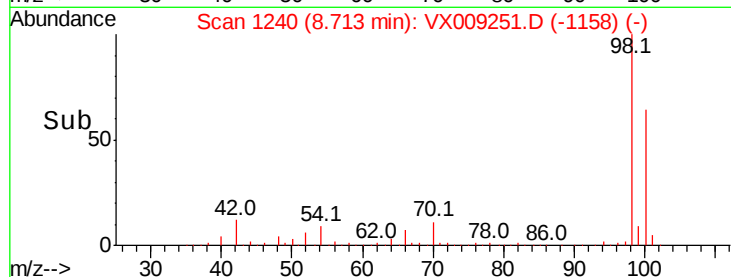
100000

50000

0

8.65 8.70 8.75 8.80

Time-->



#64

Chlorobenzene

Concen: 20.000 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX009251.D

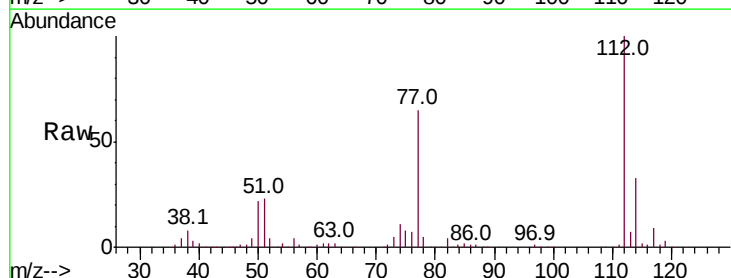
Acq: 01 May 2019 11:30

Tgt Ion: 112 Resp: 103172

Ion Ratio Lower Upper

112 100

114 32.7 26.2 39.2



Abundance Ion 112.00 (111.70 to 112.70): VX009251.D (-1467) (-)

Ion 114.00 (113.70 to 114.70): VX009251.D (-1467) (-)

10.13

80000

60000

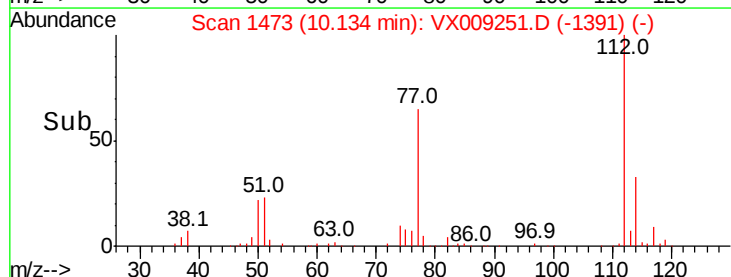
40000

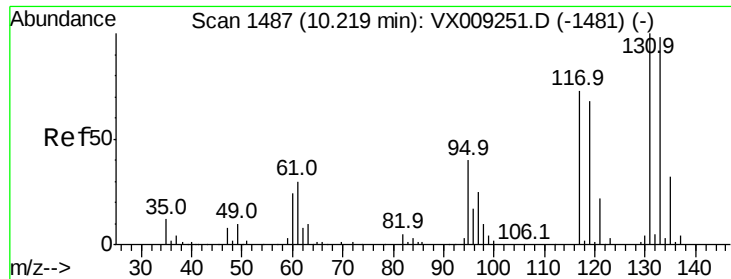
20000

0

10.10 10.15 10.20

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 20.000 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX009251.D

Acq: 01 May 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

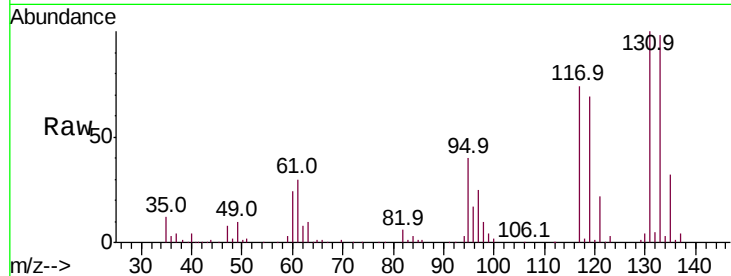
Tot Ion:131 Resp: 37338

Ion Ratio Lower Upper

131 100

133 95.6 0.0 191.2

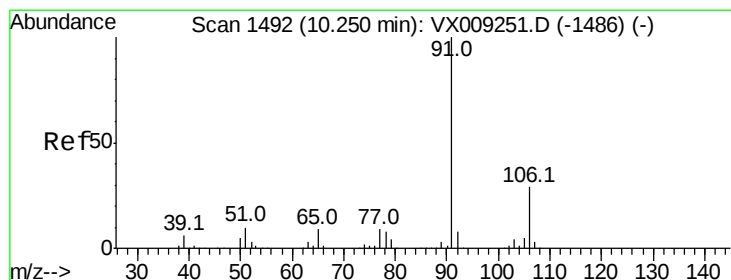
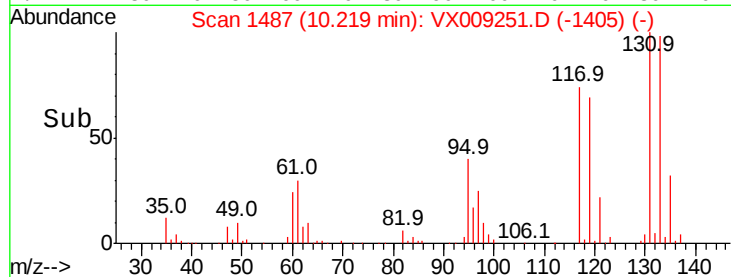
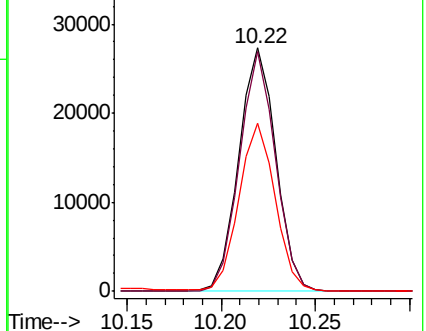
119 67.7 0.0 135.4



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 20.000 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX009251.D

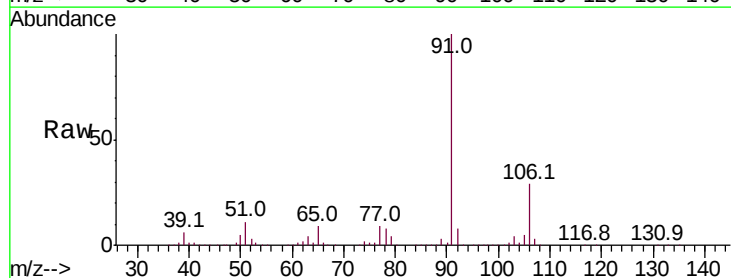
Acq: 01 May 2019 11:30

Tgt Ion: 91 Resp: 192936

Ion Ratio Lower Upper

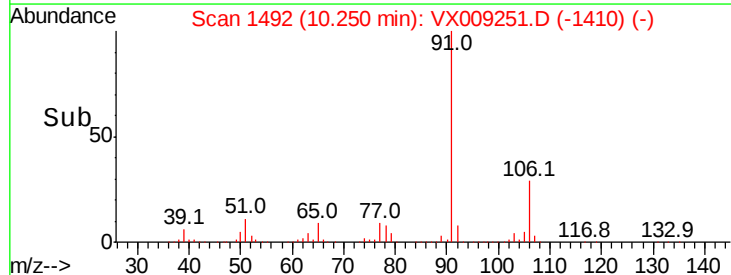
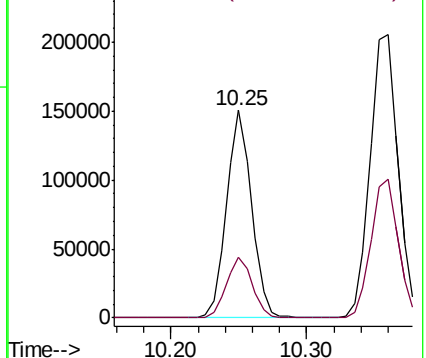
91 100

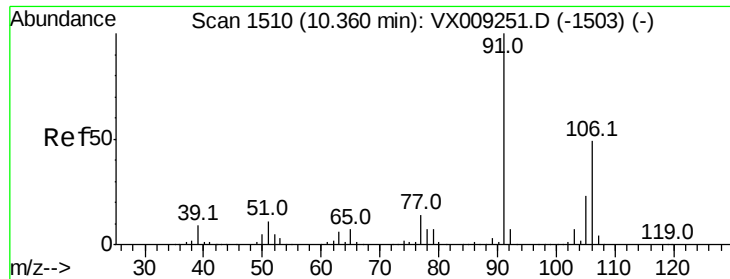
106 29.4 23.5 35.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xvlenes

Concen: 40.000 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX009251.D

Acq: 01 May 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

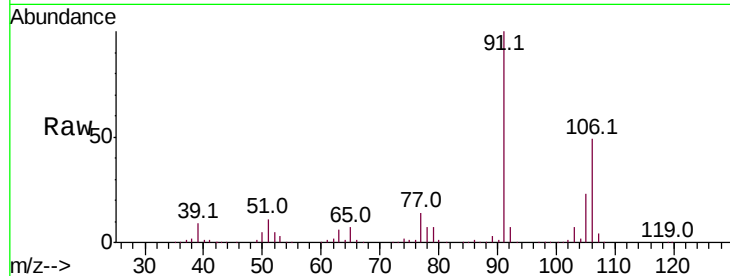
VSTDICCC020

Tot Ion:106 Resp: 140517

Ion Ratio Lower Upper

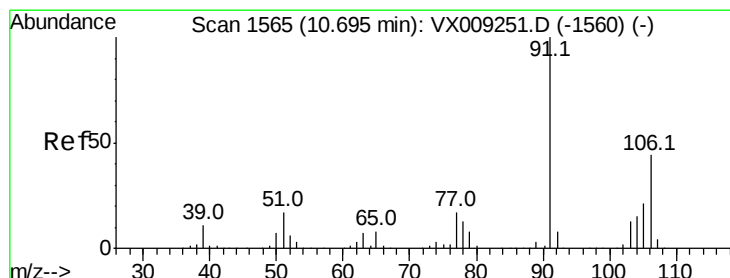
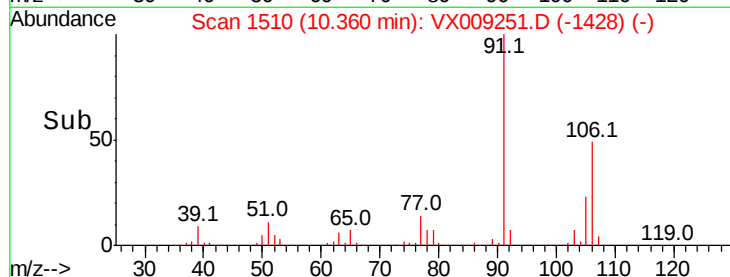
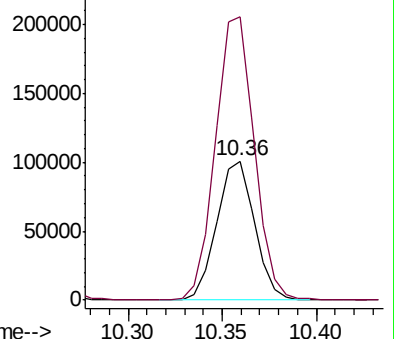
106 100

91 208.5 166.8 250.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#68

o-Xylene

Concen: 20.000 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VX009251.D

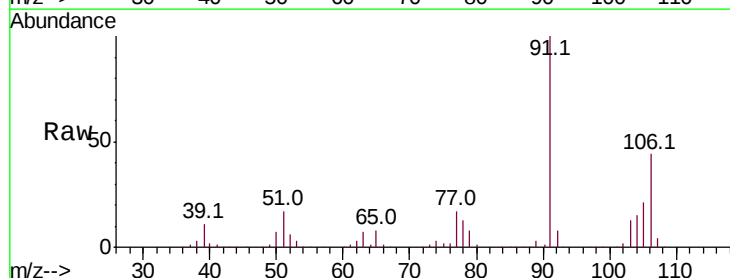
Acq: 01 May 2019 11:30

Tgt Ion:106 Resp: 68304

Ion Ratio Lower Upper

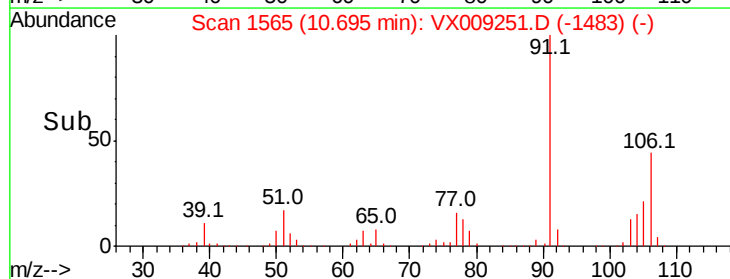
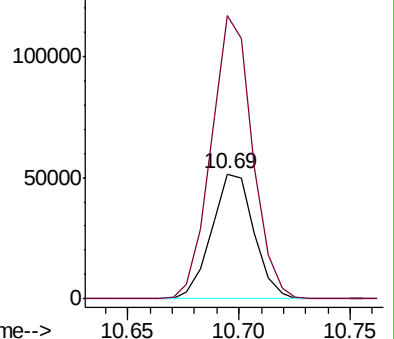
106 100

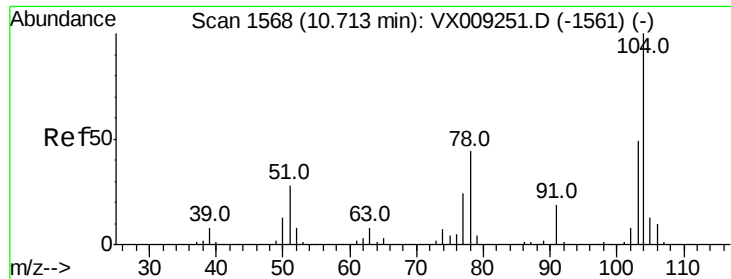
91 221.5 110.8 332.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





#69

Stvrene

Concen: 20.000 ug/l

RT: 10.71 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VX009251.D

Acq: 01 May 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

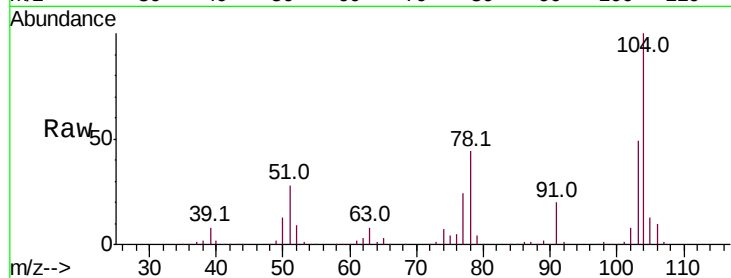
Tot Ion:104 Resp: 120006

Ion Ratio Lower Upper

104 100

78 51.4 41.1 61.7

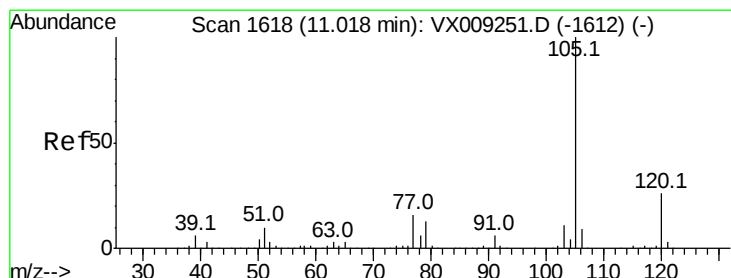
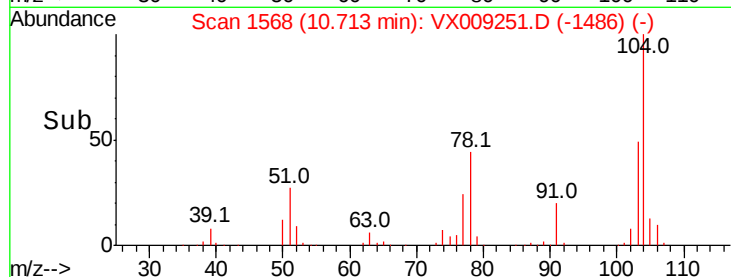
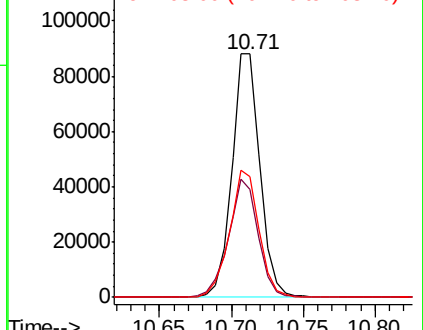
103 54.8 43.8 65.8



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: 20.000 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX009251.D

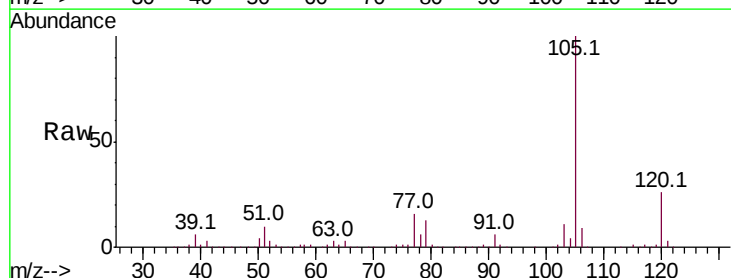
Acq: 01 May 2019 11:30

Tgt Ion:105 Resp: 186150

Ion Ratio Lower Upper

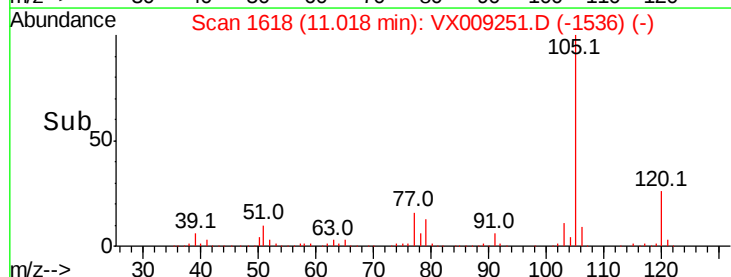
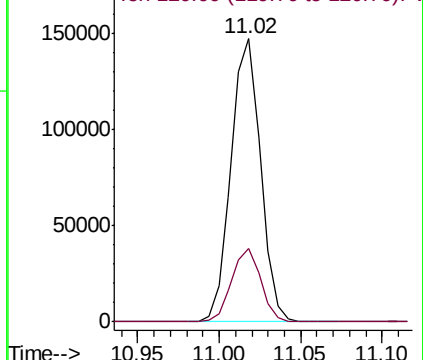
105 100

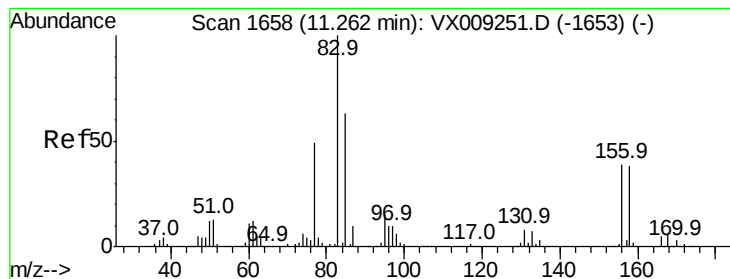
120 25.9 18.1 33.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

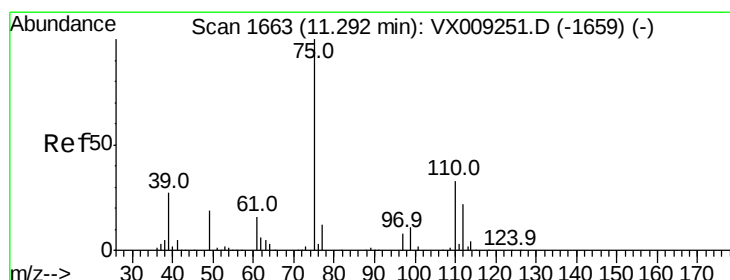
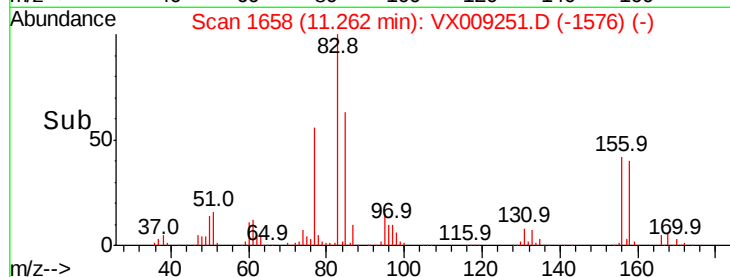
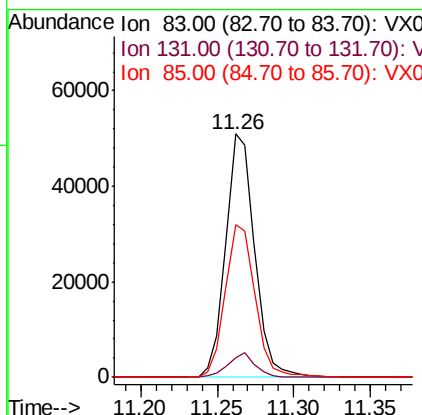
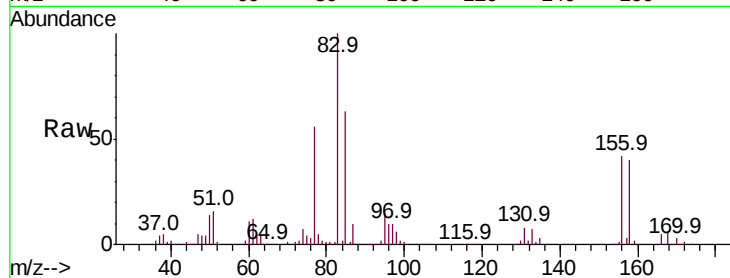




#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.000 ug/l
 RT: 11.26 min Scan# 1658
 Delta R.T. 0.00 min
 Lab File: VX009251.D
 Acq: 01 May 2019 11:30

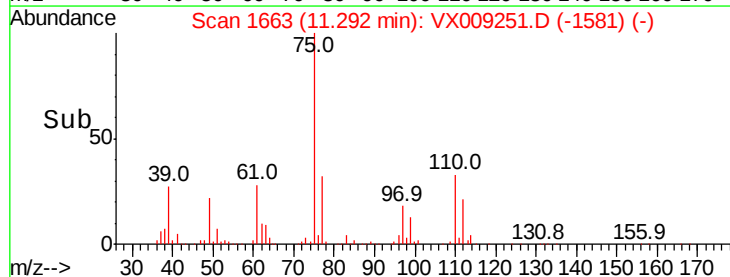
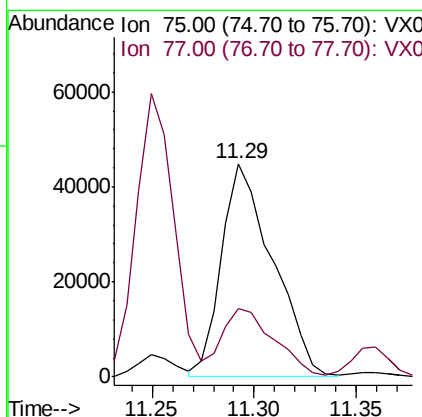
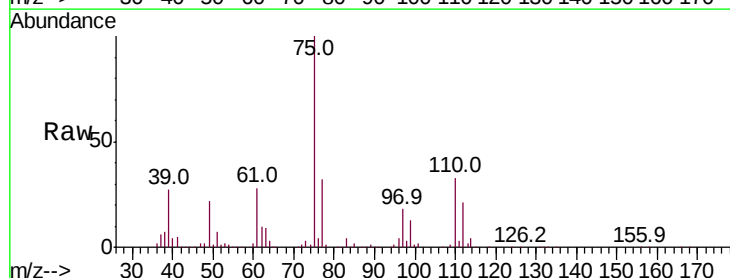
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

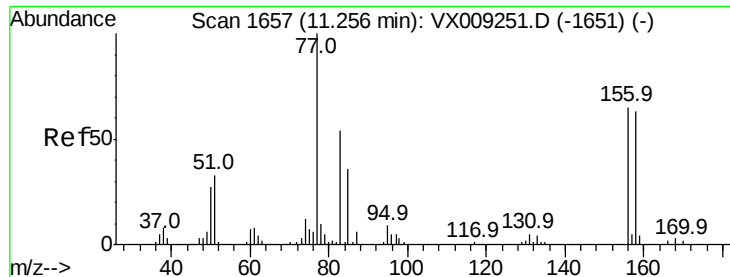
Tot Ion: 83 Resp: 66917
 Ion Ratio Lower Upper
 83 100
 131 9.3 4.7 14.0
 85 64.8 32.4 97.2



#72
 1,2,3-Trichloropropane
 Concen: 26.590 ug/l
 RT: 11.29 min Scan# 1663
 Delta R.T. 0.00 min
 Lab File: VX009251.D
 Acq: 01 May 2019 11:30

Tgt Ion: 75 Resp: 78464
 Ion Ratio Lower Upper
 75 100
 77 32.5 0.0 86.4





#73

Bromobenzene

Concen: 20.000 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX009251.D

Acq: 01 May 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

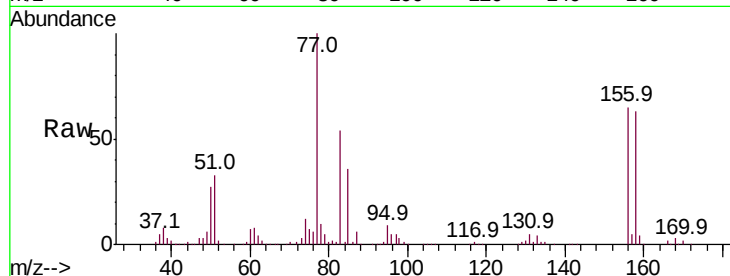
Tot Ion:156 Resp: 45796

Ion Ratio Lower Upper

156 100

77 167.8 0.0 335.6

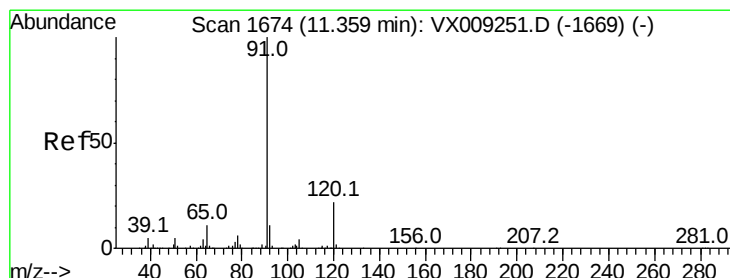
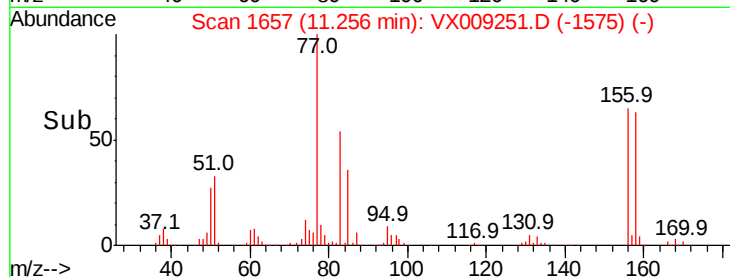
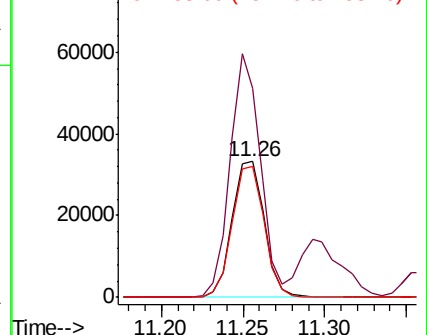
158 95.6 0.0 191.2



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: 20.000 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX009251.D

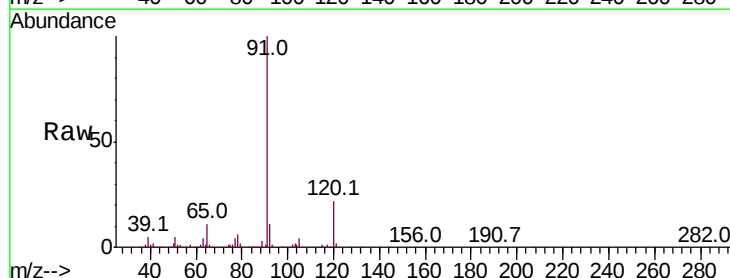
Acq: 01 May 2019 11:30

Tgt Ion: 91 Resp: 213741

Ion Ratio Lower Upper

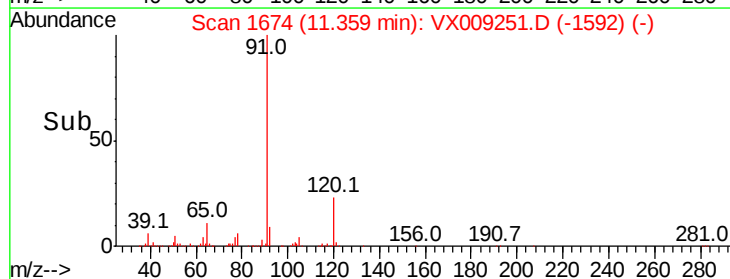
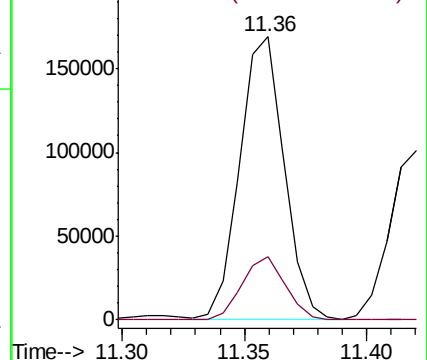
91 100

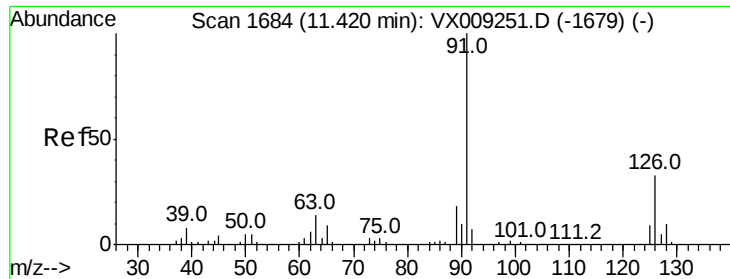
120 21.7 0.0 43.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.000 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX009251.D

Acq: 01 May 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

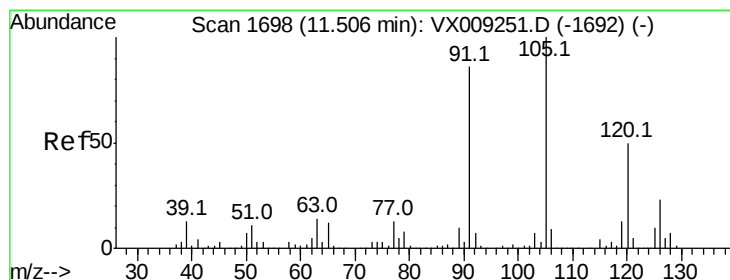
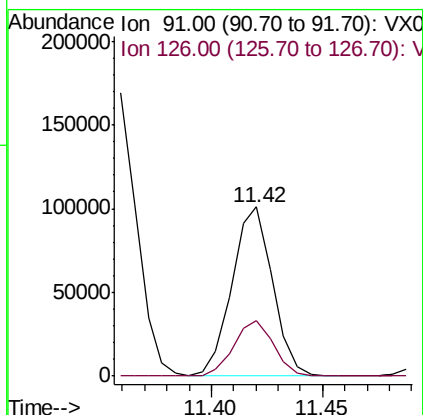
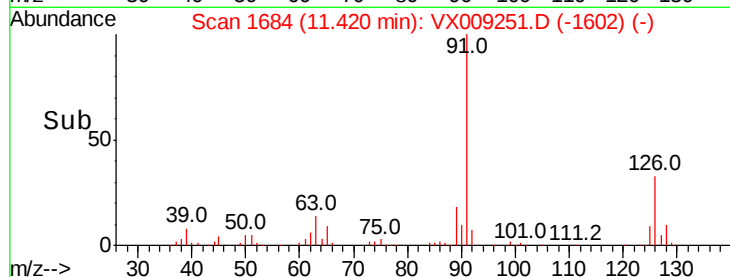
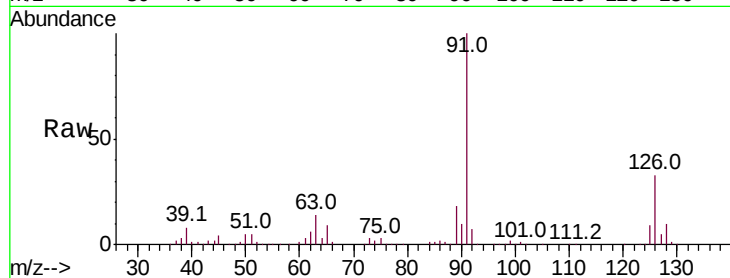
VSTDICCC020

Tot Ion: 91 Resp: 128709

Ion Ratio Lower Upper

91 100

126 32.0 0.0 64.0



#76

1,3,5-Trimethylbenzene

Concen: 20.000 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009251.D

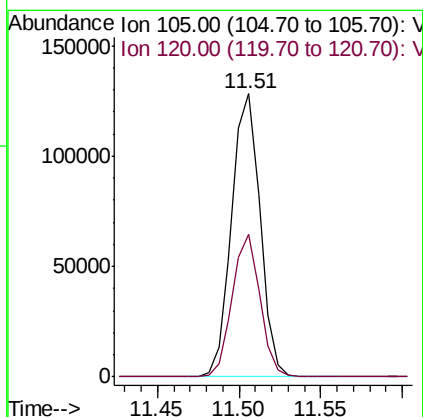
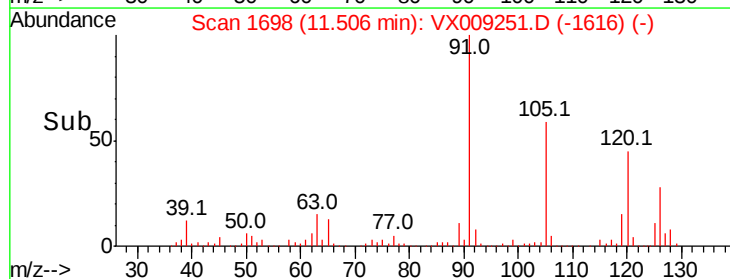
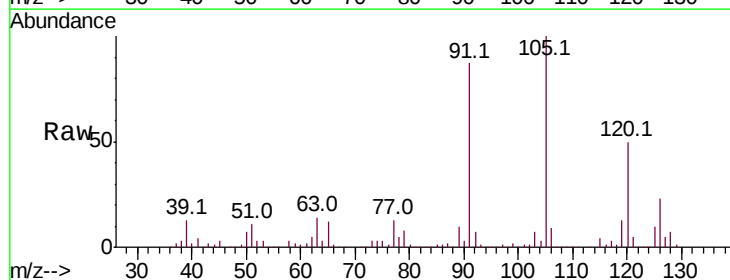
Acq: 01 May 2019 11:30

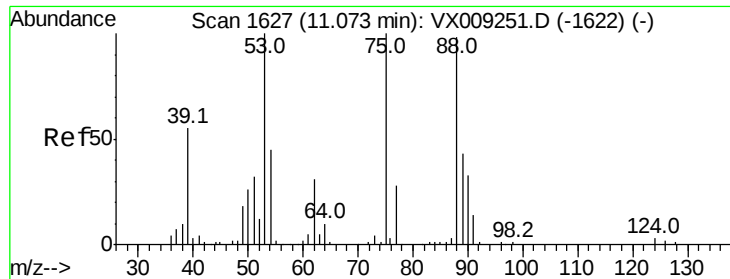
Tgt Ion:105 Resp: 156320

Ion Ratio Lower Upper

105 100

120 48.7 0.0 97.4





#77

t-1,4-Dichloro-2-butene

Concen: 20.000 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX009251.D

Acq: 01 May 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

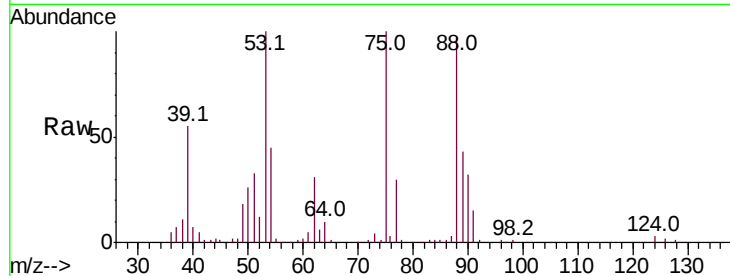
Tot Ion: 75 Resp: 21779

Ion Ratio Lower Upper

75 100

53 99.9 50.0 149.8

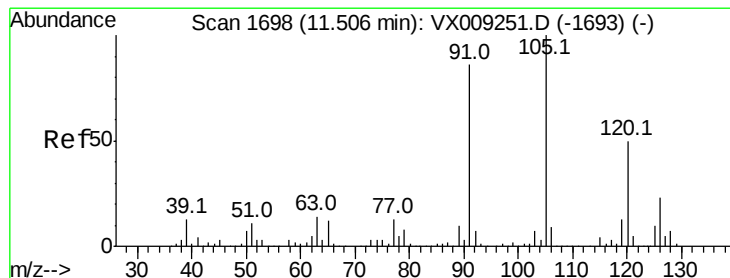
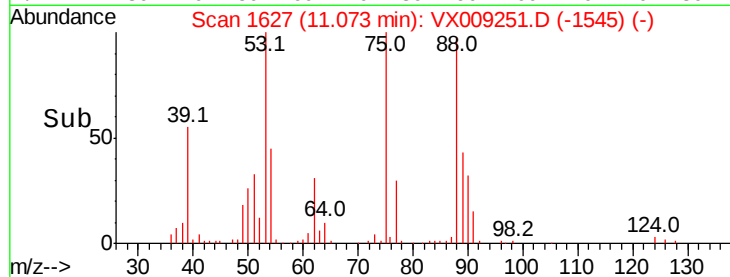
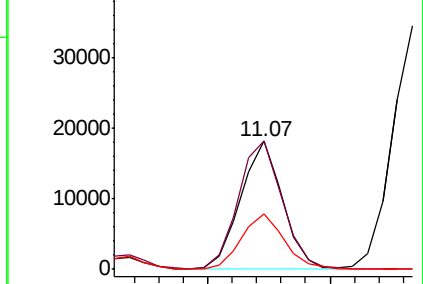
89 43.3 21.6 65.0



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: 20.000 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009251.D

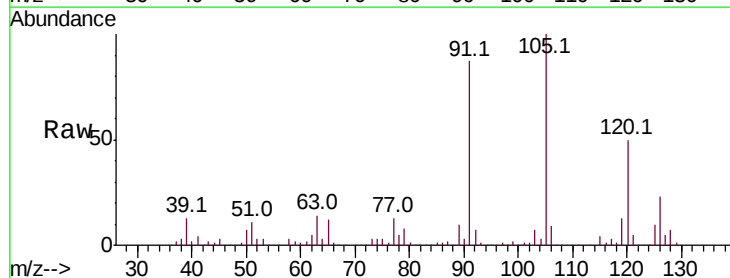
Acq: 01 May 2019 11:30

Tgt Ion: 91 Resp: 144068

Ion Ratio Lower Upper

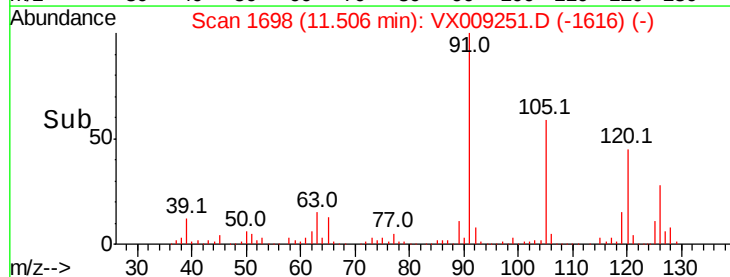
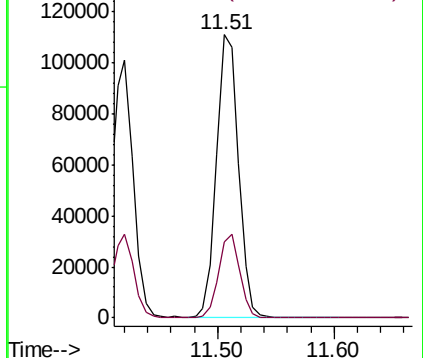
91 100

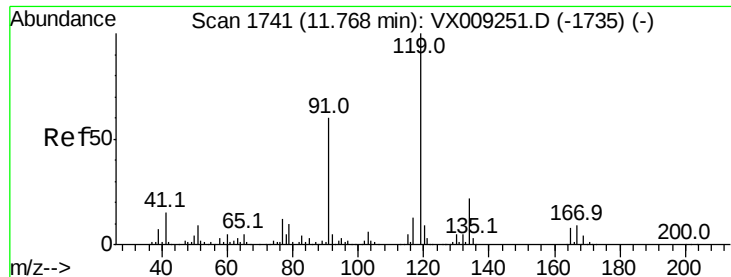
126 28.5 0.0 57.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V





#79

tert-butylbenzene

Concen: 20.000 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX009251.D

Acq: 01 May 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

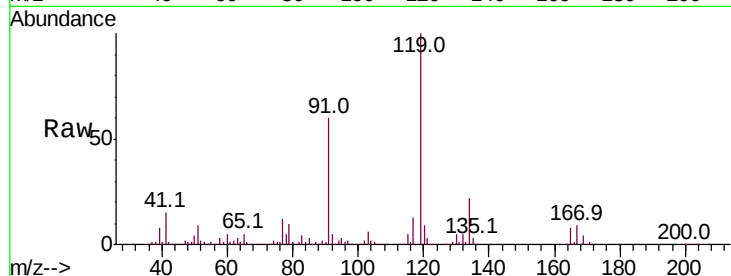
Tot Ion:119 Resp: 151000

Ion Ratio Lower Upper

119 100

91 59.1 0.0 118.2

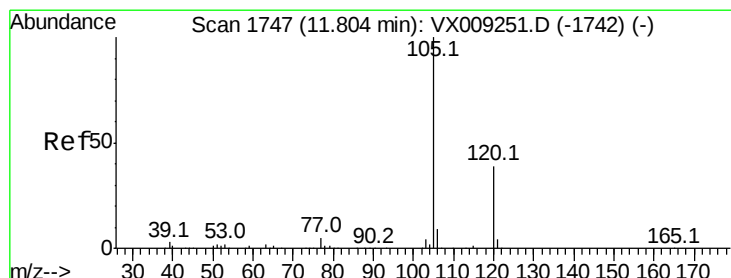
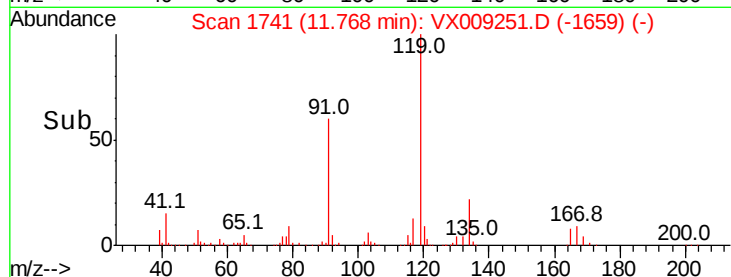
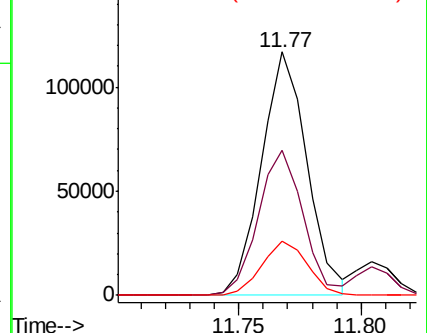
134 22.5 0.0 45.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#80

1,2,4-Trimethylbenzene

Concen: 20.000 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX009251.D

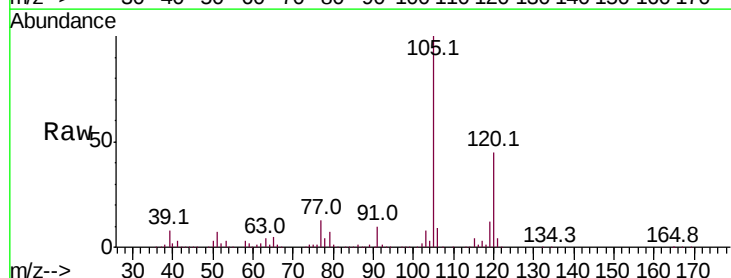
Acq: 01 May 2019 11:30

Tgt Ion:105 Resp: 156106

Ion Ratio Lower Upper

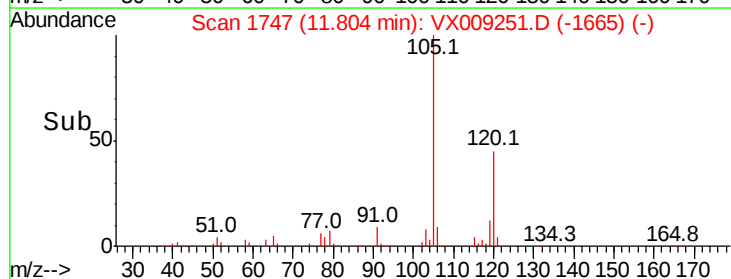
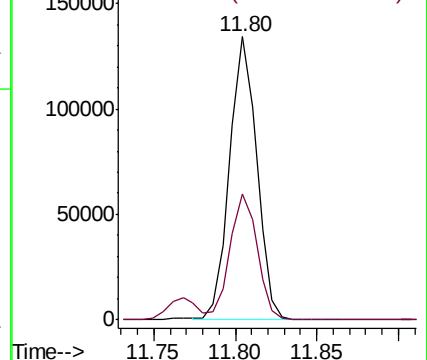
105 100

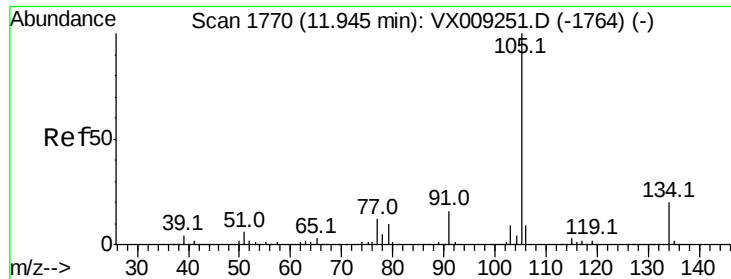
120 44.8 0.0 89.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

sec-Butylbenzene

Concen: 20.000 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX009251.D

Acq: 01 May 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

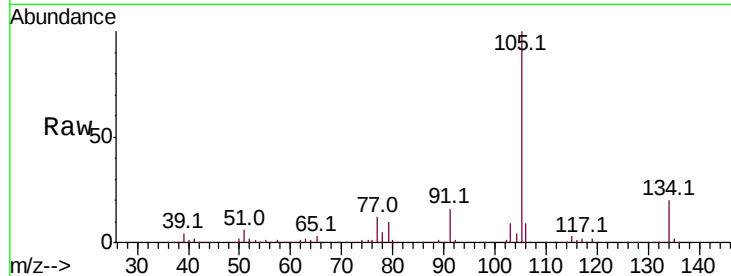
VSTDICCC020

Tot Ion:105 Resp: 178859

Ion Ratio Lower Upper

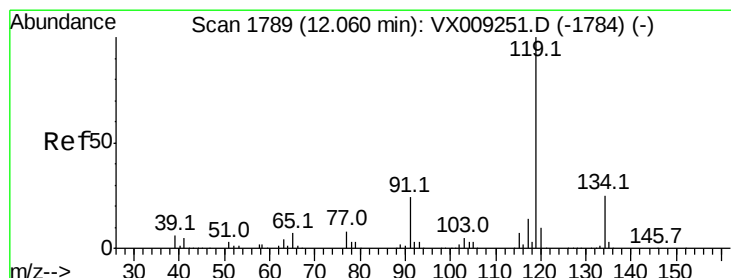
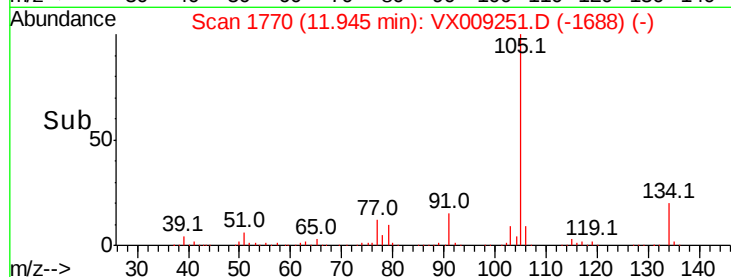
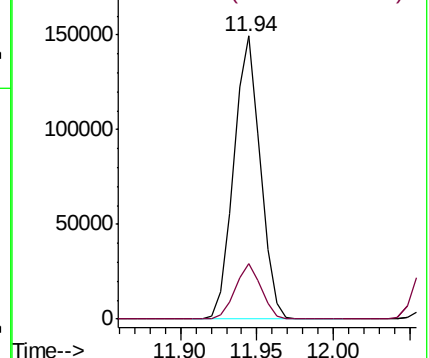
105 100

134 19.3 0.0 38.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 20.000 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX009251.D

Acq: 01 May 2019 11:30

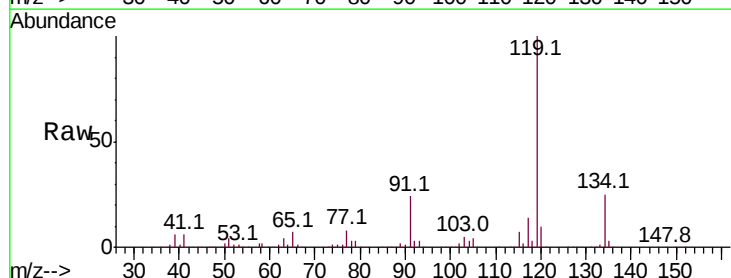
Tgt Ion:119 Resp: 162294

Ion Ratio Lower Upper

119 100

134 25.4 0.0 50.8

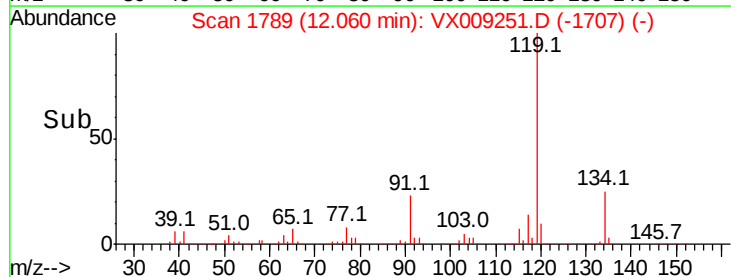
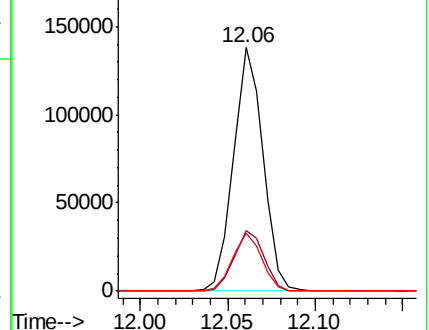
91 23.6 0.0 47.2

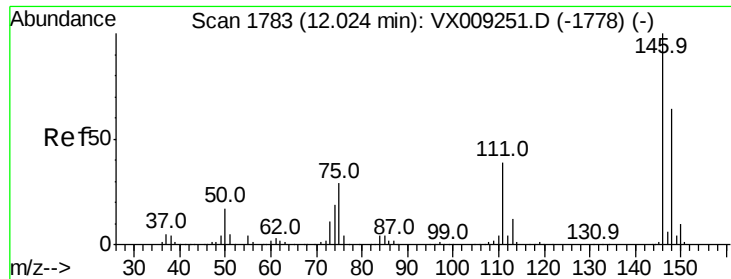


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

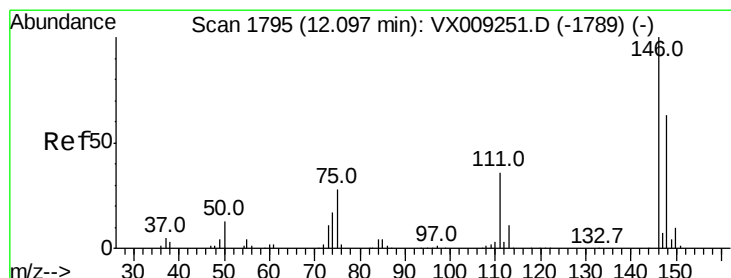
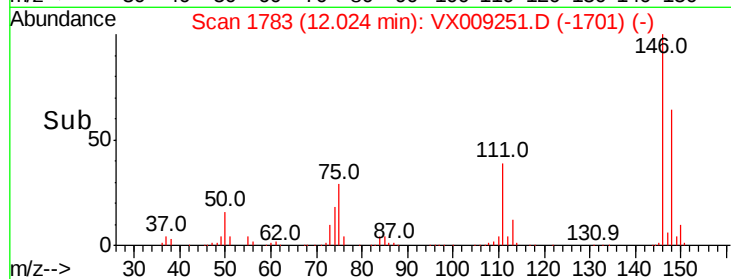
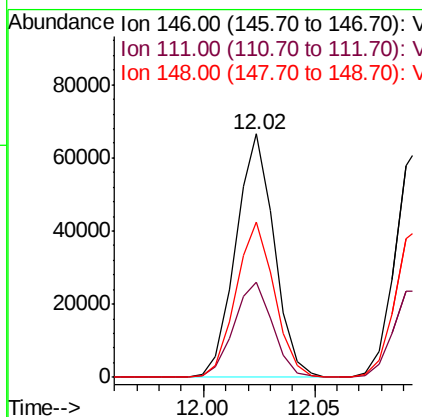
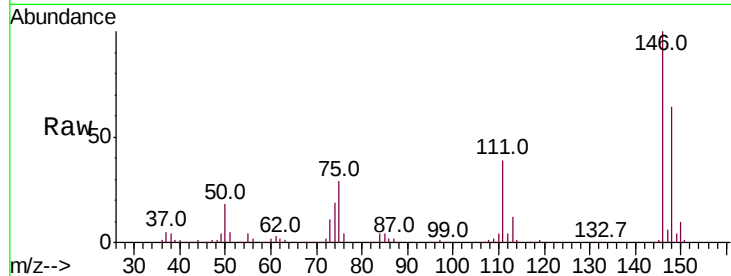




#83
 1,3-Dichlorobenzene
 Concen: 20.000 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX009251.D
 Acq: 01 May 2019 11:30

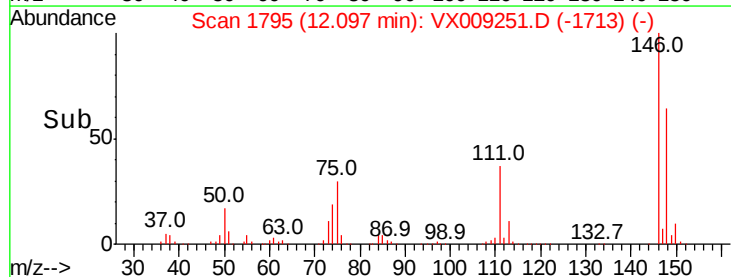
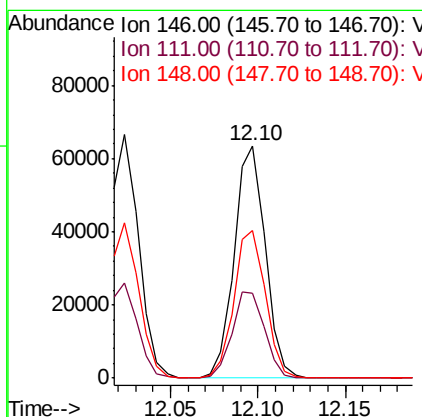
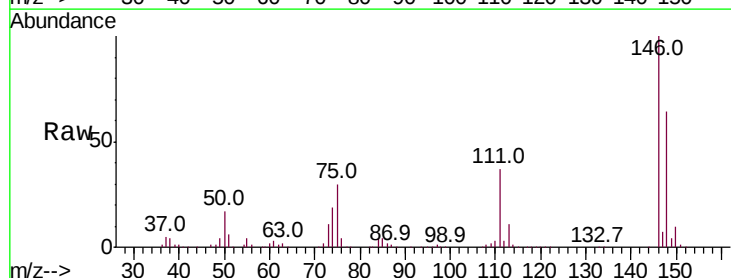
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

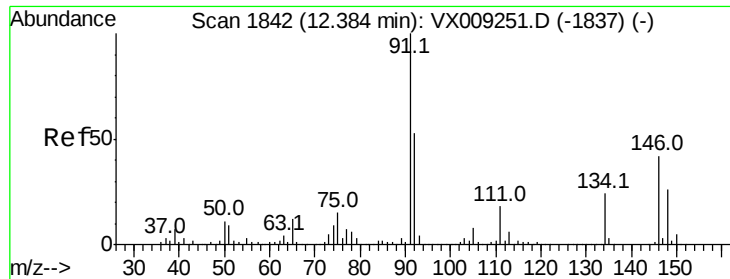
Tot Ion:146 Resp: 79397
 Ion Ratio Lower Upper
 146 100
 111 40.0 20.0 60.0
 148 64.4 32.2 96.6



#84
 1,4-Dichlorobenzene
 Concen: 20.000 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX009251.D
 Acq: 01 May 2019 11:30

Tgt Ion:146 Resp: 78206
 Ion Ratio Lower Upper
 146 100
 111 39.1 19.6 58.7
 148 64.5 32.3 96.8

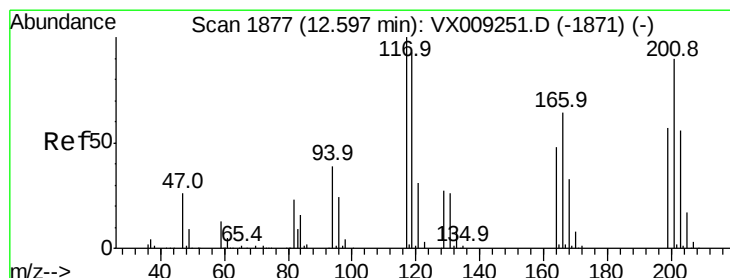
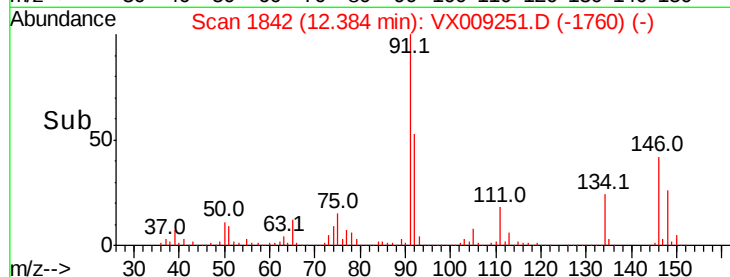
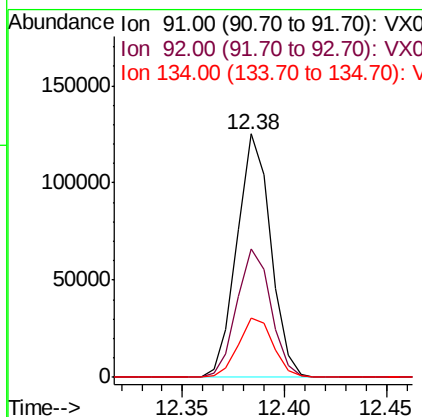
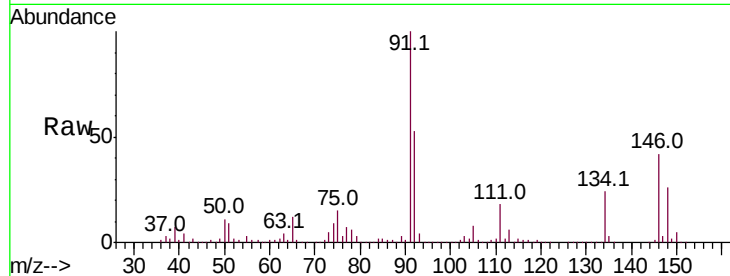




#85
n-Butylbenzene
Concen: 20.000 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX009251.D
Acq: 01 May 2019 11:30

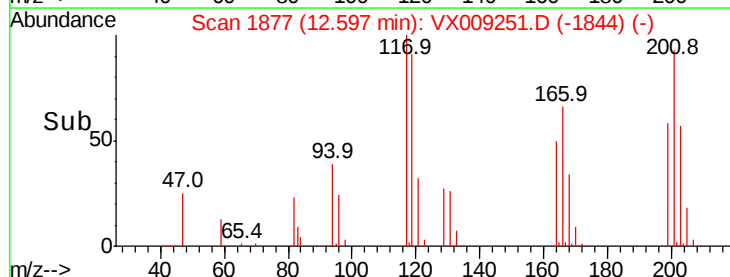
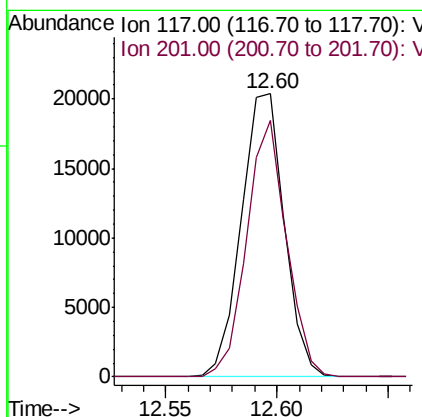
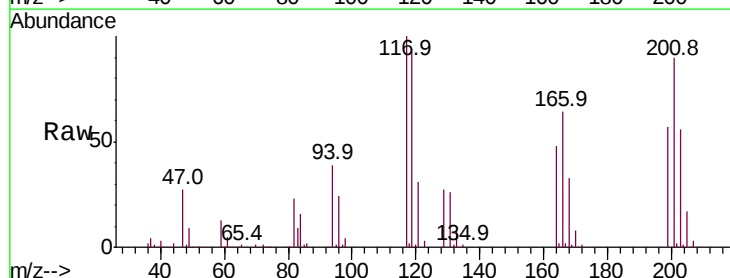
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

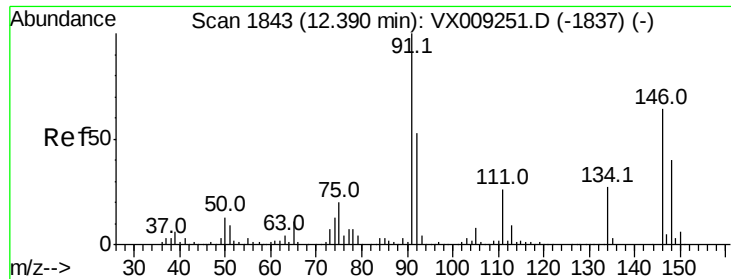
Tot Ion: 91 Resp: 144045
Ion Ratio Lower Upper
91 100
92 53.3 0.0 106.6
134 25.0 0.0 50.0



#86
Hexachloroethane
Concen: 20.000 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX009251.D
Acq: 01 May 2019 11:30

Tgt Ion: 117 Resp: 27552
Ion Ratio Lower Upper
117 100
201 83.6 41.8 125.4

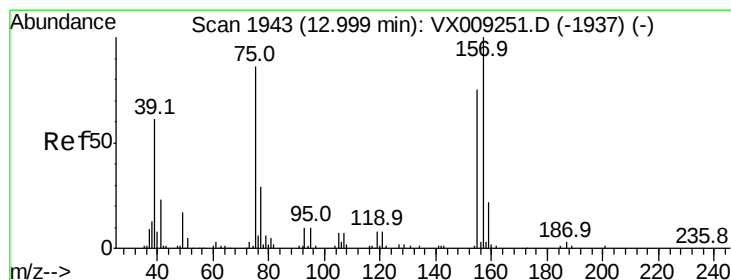
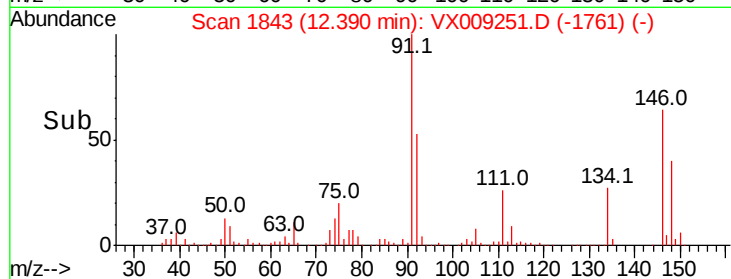
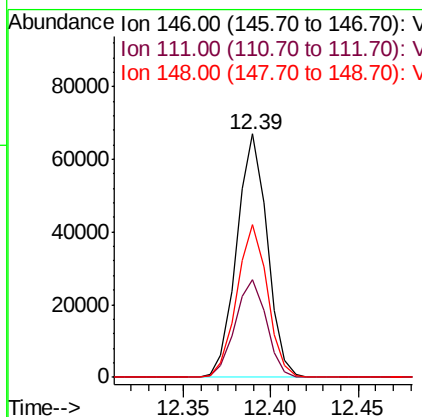
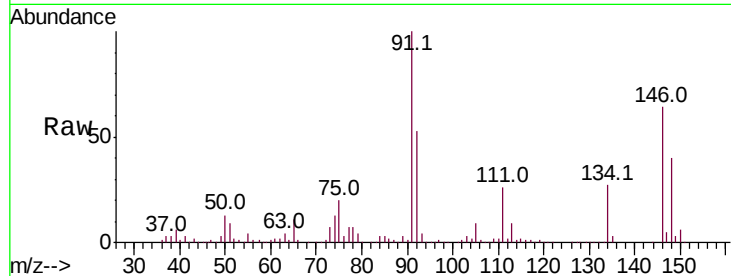




#87
 1,2-Dichlorobenzene
 Concen: 20.000 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX009251.D
 Acq: 01 May 2019 11:30

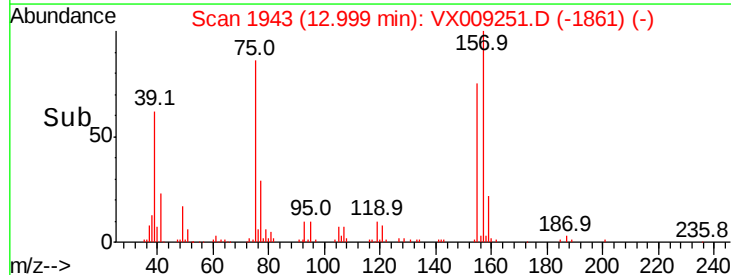
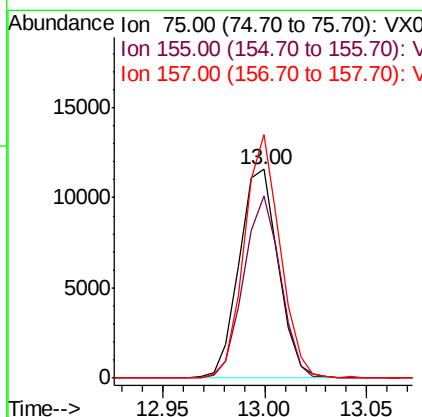
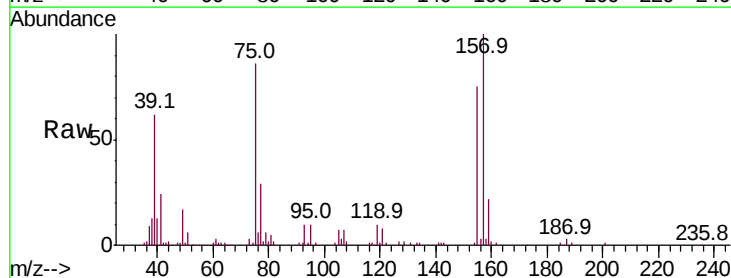
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

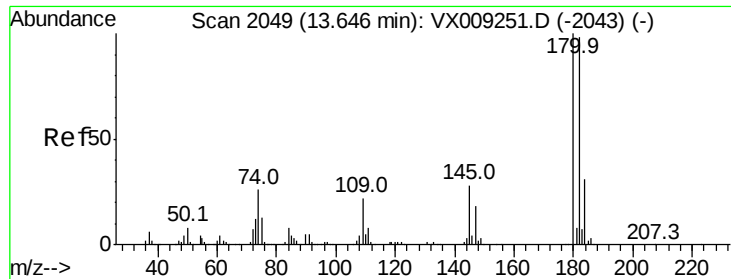
Tot Ion:146 Resp: 81141
 Ion Ratio Lower Upper
 146 100
 111 41.5 20.8 62.2
 148 62.9 31.4 94.3



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 20.000 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX009251.D
 Acq: 01 May 2019 11:30

Tgt Ion: 75 Resp: 15447
 Ion Ratio Lower Upper
 75 100
 155 82.4 65.9 98.9
 157 106.5 85.2 127.8

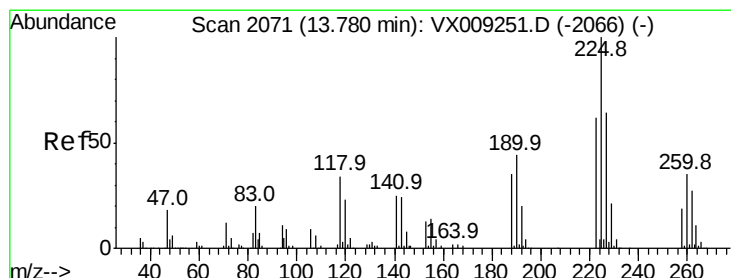
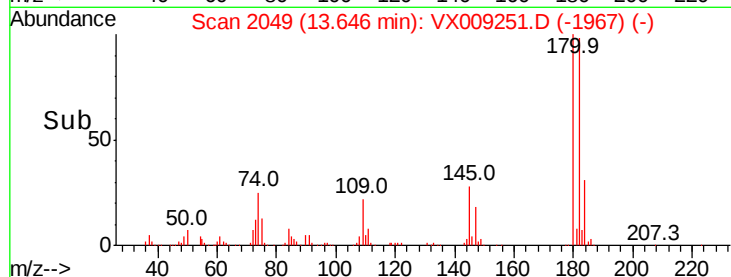
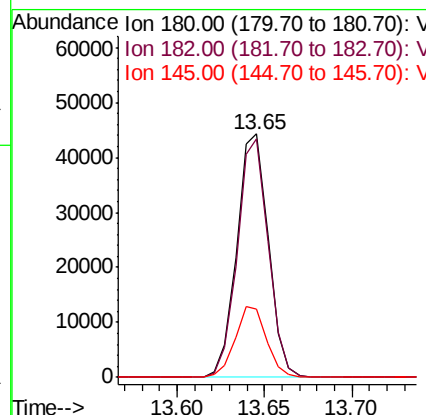
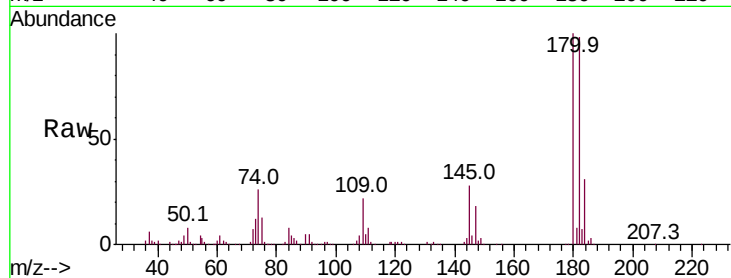




#89
1,2,4-Trichlorobenzene
Concen: 20.000 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. 0.00 min
Lab File: VX009251.D
Acq: 01 May 2019 11:30

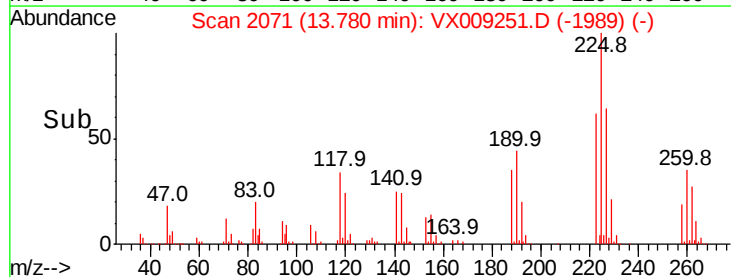
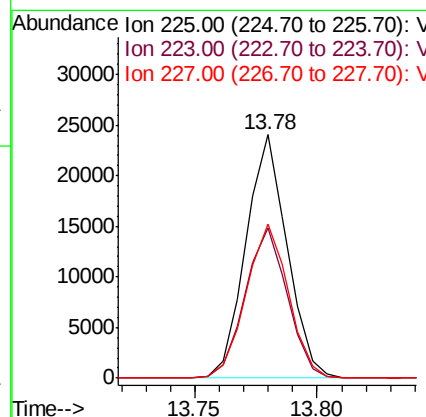
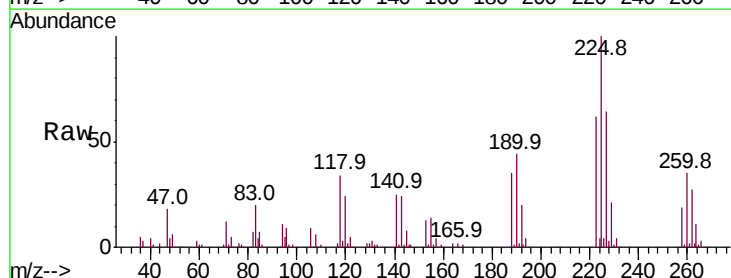
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

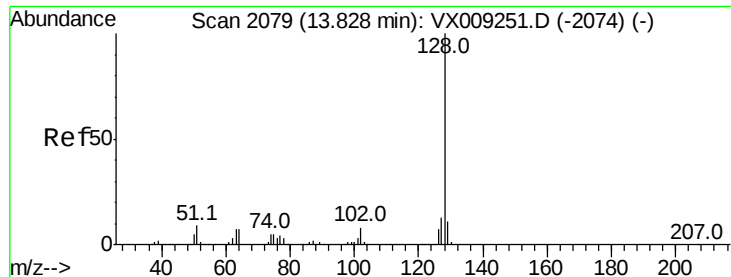
Tot Ion:180 Resp: 55560
Ion Ratio Lower Upper
180 100
182 96.1 76.9 115.3
145 28.8 23.0 34.6



#90
Hexachlorobutadiene
Concen: 20.000 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. 0.00 min
Lab File: VX009251.D
Acq: 01 May 2019 11:30

Tgt Ion:225 Resp: 28166
Ion Ratio Lower Upper
225 100
223 63.3 0.0 126.6
227 65.0 0.0 130.0

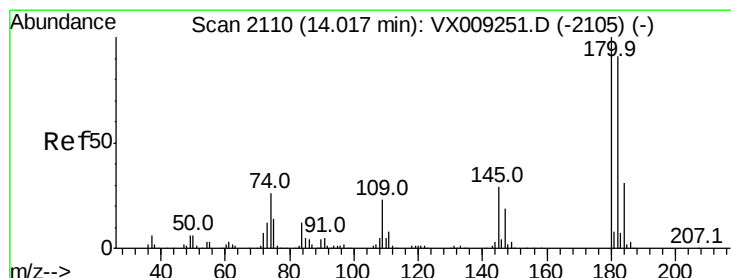
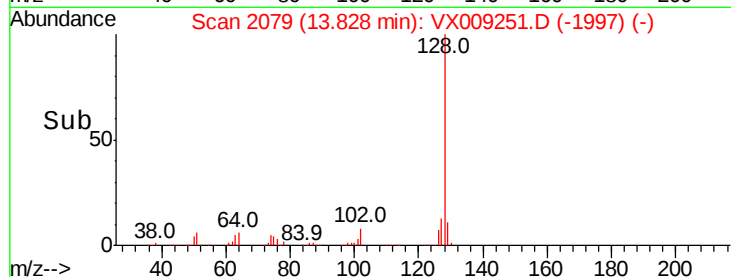
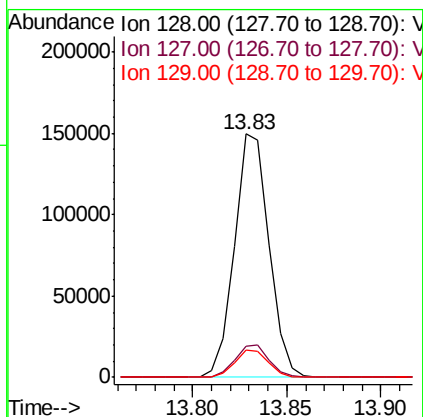
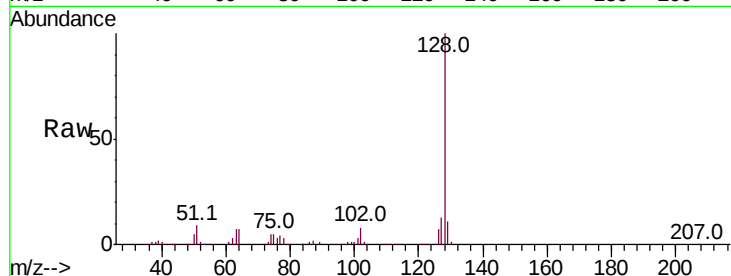




#91
Naphthalene
Concen: 20.000 ug/l
RT: 13.83 min Scan# 2079
Delta R.T. 0.00 min
Lab File: VX009251.D
Acq: 01 May 2019 11:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion:128 Resp: 190320
Ion Ratio Lower Upper
128 100
127 13.1 10.5 15.7
129 10.9 8.7 13.1



#92
1,2,3-Trichlorobenzene
Concen: 20.000 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX009251.D
Acq: 01 May 2019 11:30

Tgt Ion:180 Resp: 58450
Ion Ratio Lower Upper
180 100
182 94.5 0.0 189.0
145 30.8 0.0 61.6

