

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092319\
 Data File : VX012596.D
 Acq On : 23 Sep 2019 10:56
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Quant Time: Sep 23 12:00:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 11:56:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	194526	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	343190	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	307540	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	139480	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	54247	19.24	ug/l	0.00
Spiked Amount			Recovery	=	38.48%	
35) Dibromofluoromethane	5.49	113	39569	18.99	ug/l	0.00
Spiked Amount			Recovery	=	37.98%	
50) Toluene-d8	8.71	98	150752	19.43	ug/l	0.00
Spiked Amount			Recovery	=	38.86%	
62) 4-Bromofluorobenzene	11.14	95	57954	18.18	ug/l	0.00
Spiked Amount			Recovery	=	36.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	42213	32.660	ug/l	97
3) Chloromethane	1.32	50	49932	39.105	ug/l	100
4) Vinyl Chloride	1.40	62	49162	36.458	ug/l	97
5) Bromomethane	1.63	94	22893	42.365	ug/l	97
6) Chloroethane	1.72	64	32518	31.348	ug/l	95
7) Trichlorofluoromethane	1.92	101	68756	30.039	ug/l	100
8) Diethyl Ether	2.18	74	27773	27.290	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	42061	26.120	ug/l	98
10) Methyl Iodide	2.50	142	36254	27.334	ug/l	99
11) Tert butyl alcohol	3.03	59	69623	93.751	ug/l	99
12) 1,1-Dichloroethene	2.36	96	42479	31.357	ug/l	92
13) Acrolein	2.28	56	36478	121.638	ug/l	100
14) Allyl chloride	2.72	41	85073	28.192	ug/l	99
15) Acrylonitrile	3.13	53	144911	117.509	ug/l	100
16) Acetone	2.44	43	165174	115.296	ug/l	100
17) Carbon Disulfide	2.56	76	114935	53.179	ug/l	99
18) Methyl Acetate	2.76	43	70465	23.787	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	159631	23.439	ug/l	100
20) Methylene Chloride	2.85	84	49213	27.318	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	45541	32.115	ug/l	99
22) Diisopropyl ether	3.84	45	162020	23.777	ug/l	98
23) Vinyl Acetate	3.80	43	720032	127.112	ug/l	99
24) 1,1-Dichloroethane	3.69	63	85672	25.670	ug/l	99
25) 2-Butanone	4.66	43	220925	112.833	ug/l	98
26) 2,2-Dichloropropane	4.57	77	78450	24.343	ug/l	100
27) cis-1,2-Dichloroethene	4.58	96	53368	26.629	ug/l	97
28) Bromochloromethane	5.01	49	31065	18.960	ug/l	99
29) Tetrahydrofuran	5.12	42	132368	120.888	ug/l	98
30) Chloroform	5.20	83	88350	23.561	ug/l	98
31) Cyclohexane	5.57	56	79468	34.940	ug/l	95
32) 1,1,1-Trichloroethane	5.48	97	79628	25.131	ug/l	98
36) 1,1-Dichloropropene	5.79	75	66779	29.936	ug/l	98
37) Ethyl Acetate	4.82	43	79178	24.457	ug/l	99
38) Carbon Tetrachloride	5.77	117	67065	25.045	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	78408	34.508	ug/l	95
40) Benzene	6.14	78	193667	27.607	ug/l	100
41) Methacrylonitrile	5.03	41	41834	20.357	ug/l	97
42) 1,2-Dichloroethane	6.19	62	74774	23.838	ug/l	99
43) Isopropyl Acetate	6.44	43	127271	22.109	ug/l	99
44) Trichloroethene	7.21	130	49665	27.235	ug/l	99
45) 1,2-Dichloropropane	7.51	63	51049	24.505	ug/l	99
46) Dibromomethane	7.65	93	33428	24.627	ug/l	98
47) Bromodichloromethane	7.89	83	67691	22.844	ug/l	100
48) Methyl methacrylate	7.76	41	61519	22.533	ug/l	98
49) 1,4-Dioxane	7.73	88	28757	434.183	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	402680	107.623	ug/l	99
52) Toluene	8.78	92	122933	27.370	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	74884	24.068	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	81554	25.079	ug/l	94
55) 1,1,2-Trichloroethane	9.21	97	48895	22.097	ug/l	99
56) Ethyl methacrylate	9.17	69	82181	23.484	ug/l	100
57) 1,3-Dichloropropane	9.37	76	86101	24.117	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	187915	104.964	ug/l	99
59) 2-Hexanone	9.48	43	315863	108.084	ug/l	99
60) Dibromochloromethane	9.57	129	49483	22.091	ug/l	99
61) 1,2-Dibromoethane	9.67	107	51285	24.946	ug/l	99
64) Tetrachloroethene	9.33	164	43335	28.892	ug/l	97
65) Chlorobenzene	10.14	112	126981	24.273	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	46473	22.014	ug/l	99
67) Ethyl Benzene	10.25	91	234978	25.938	ug/l	100
68) m/p-Xylenes	10.36	106	172968	52.142	ug/l	99
69) o-Xylene	10.70	106	84678	25.165	ug/l	100
70) Styrene	10.71	104	141728	23.970	ug/l	99
71) Bromoform	10.85	173	31754	20.392	ug/l #	100
73) Isopropylbenzene	11.01	105	228513	25.363	ug/l	100
74) N-amyl acetate	10.89	43	107400	22.588	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	74094	21.558	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	91153	28.246	ug/l	88
77) Bromobenzene	11.25	156	50901	23.476	ug/l	99
78) n-propylbenzene	11.35	91	255029	25.392	ug/l	99
79) 2-Chlorotoluene	11.42	91	156583	24.063	ug/l	98
80) 1,3,5-Trimethylbenzene	11.50	105	191659	25.029	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	24897	22.664	ug/l	93
82) 4-Chlorotoluene	11.51	91	179935	24.118	ug/l	100
83) tert-Butylbenzene	11.77	119	182282	22.626	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	193748	24.685	ug/l	99
85) sec-Butylbenzene	11.94	105	214410	23.929	ug/l	99
86) p-Isopropyltoluene	12.06	119	194717	23.698	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	92584	22.823	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	93580	22.507	ug/l	100
89) n-Butylbenzene	12.39	91	166017	22.697	ug/l	99
90) Hexachloroethane	12.59	117	32919	22.086	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	92578	22.022	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	18351	20.677	ug/l	99

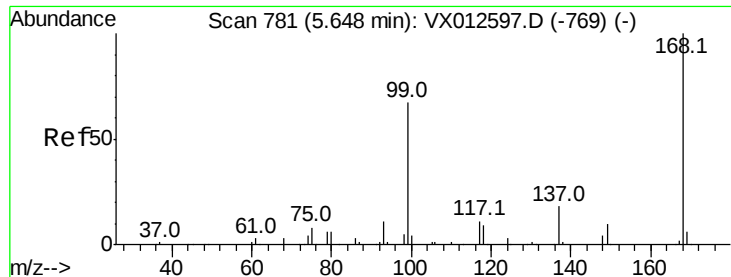
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092319\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	54703	20.498	ug/l	99
94) Hexachlorobutadiene	13.78	225	23816	19.084	ug/l	97
95) Naphthalene	13.83	128	210073	21.968	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	55920	20.544	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012596.D

Acq: 23 Sep 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

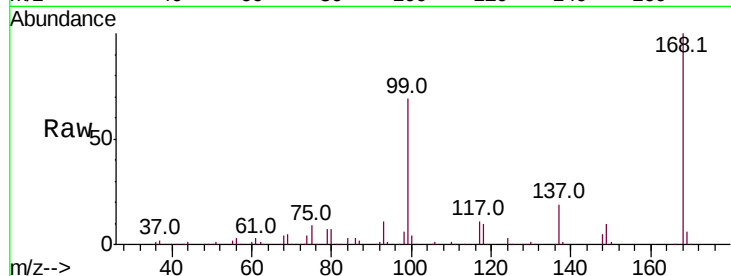
VSTDIC020

Tot Ion:168 Resp: 194526

Ion Ratio Lower Upper

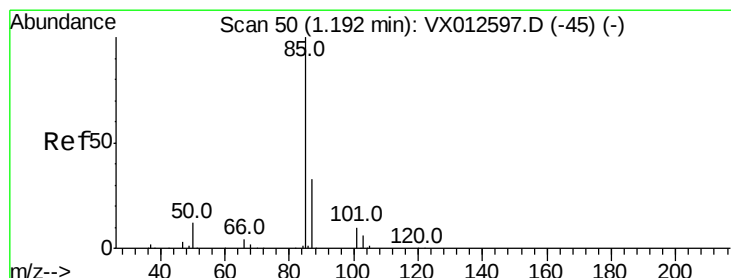
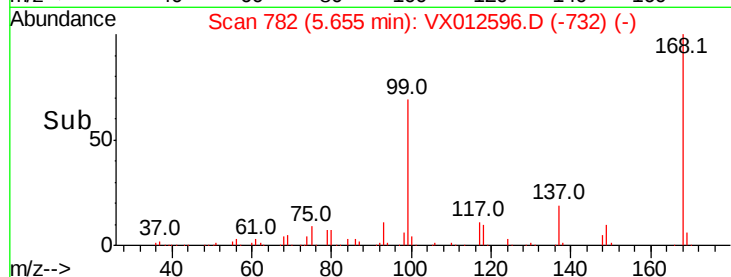
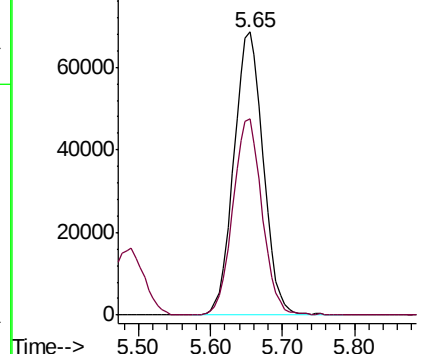
168 100

99 69.3 53.3 79.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 32.660 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX012596.D

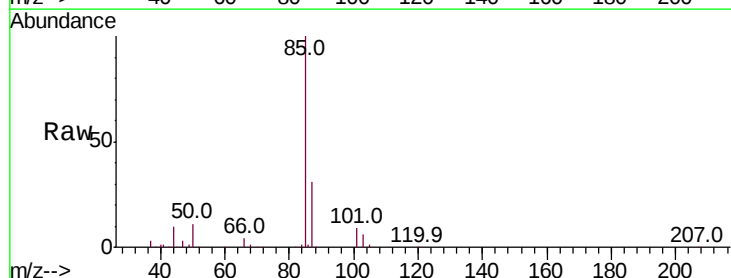
Acq: 23 Sep 2019 10:56

Tgt Ion: 85 Resp: 42213

Ion Ratio Lower Upper

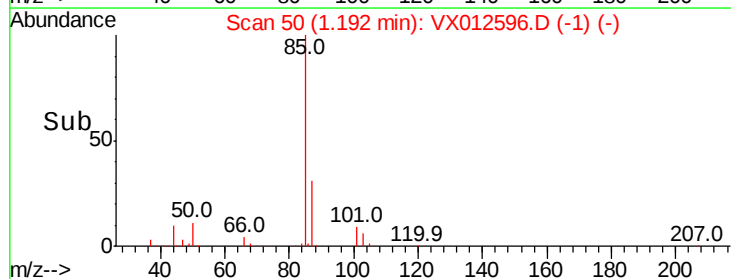
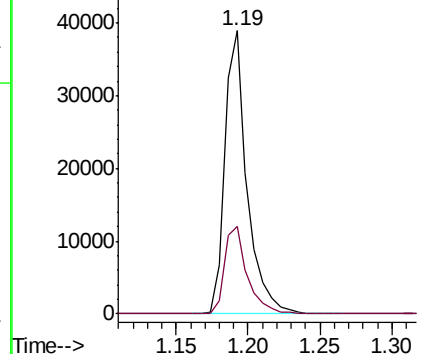
85 100

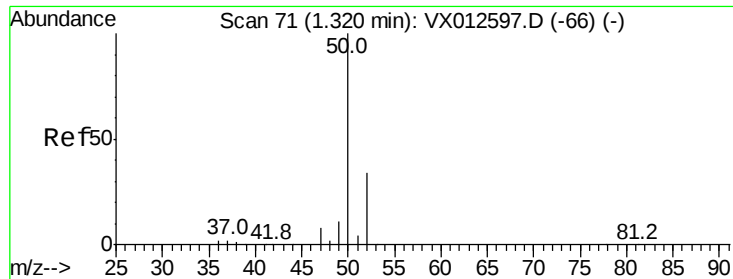
87 31.1 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 39.105 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012596.D

Acq: 23 Sep 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

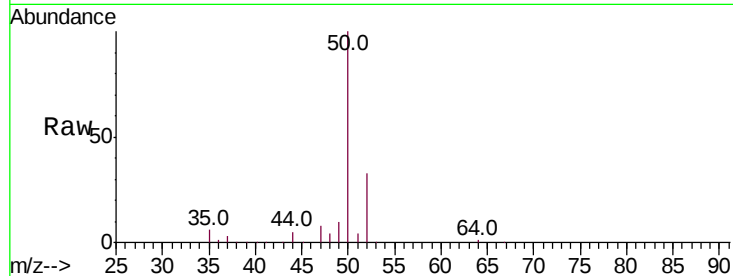
VSTDIC020

Tot Ion: 50 Resp: 49932

Ion Ratio Lower Upper

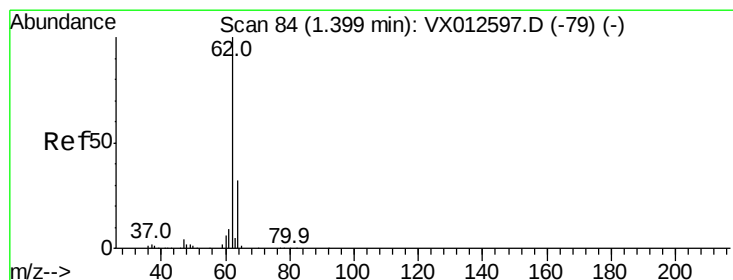
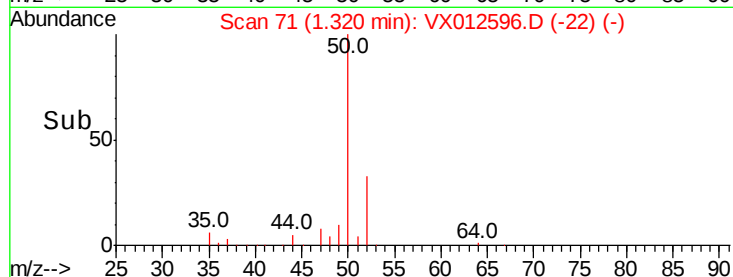
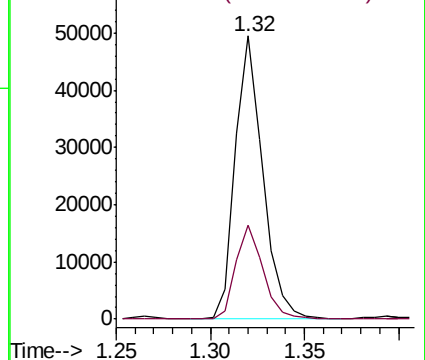
50 100

52 33.5 27.0 40.4



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 36.458 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX012596.D

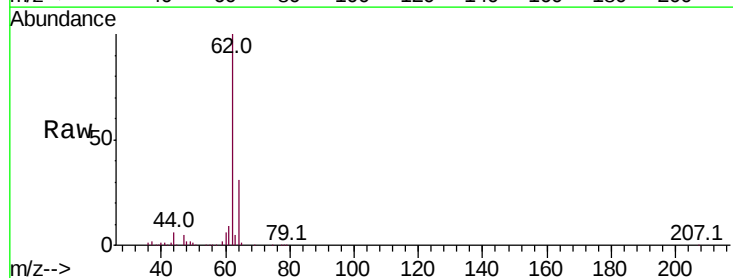
Acq: 23 Sep 2019 10:56

Tgt Ion: 62 Resp: 49162

Ion Ratio Lower Upper

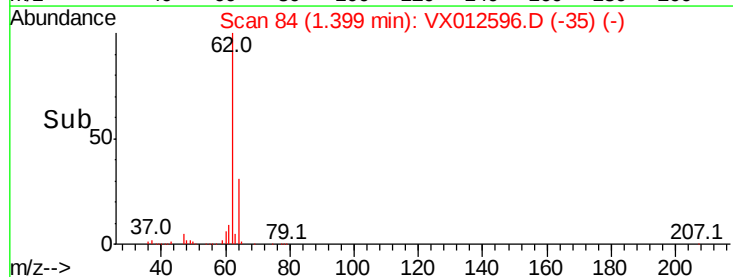
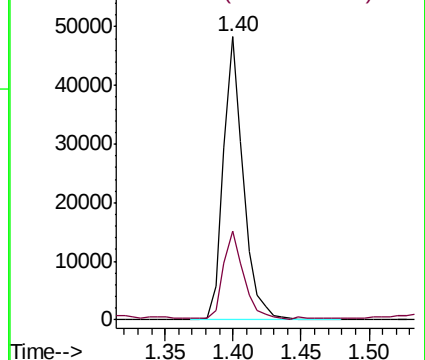
62 100

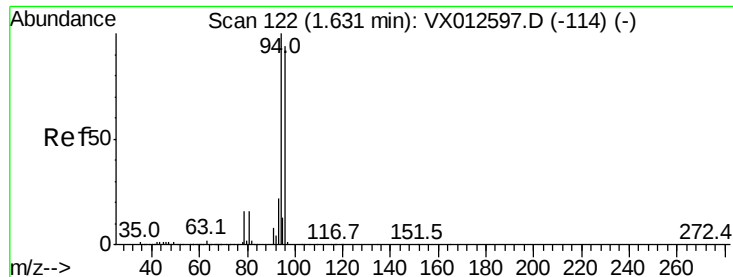
64 30.8 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

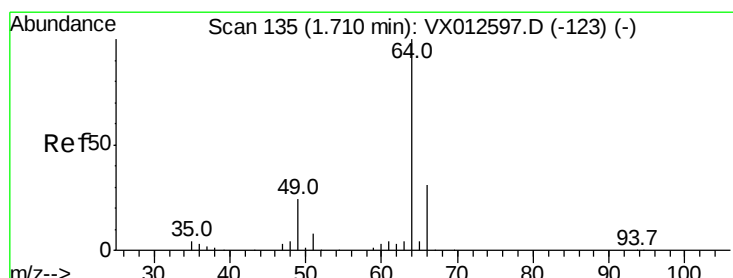
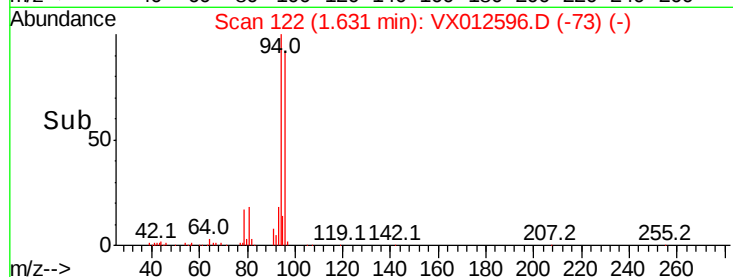
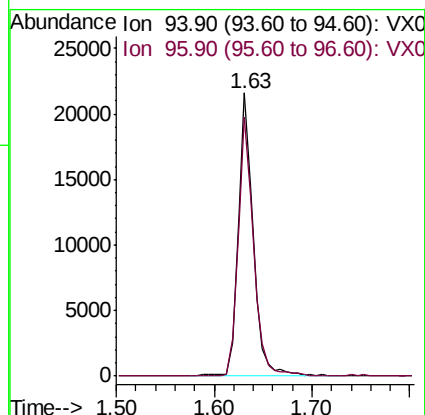
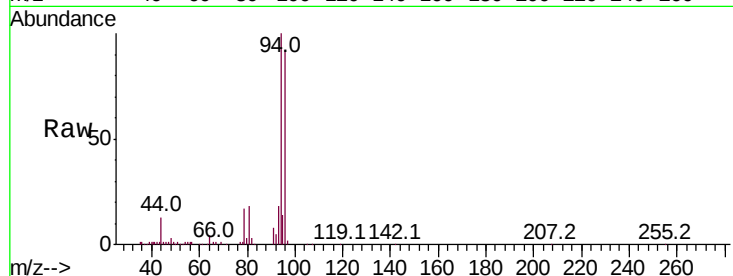




#5
Bromomethane
Concen: 42.365 ug/l
RT: 1.63 min Scan# 122
Delta R.T. 0.00 min
Lab File: VX012596.D
Acq: 23 Sep 2019 10:56

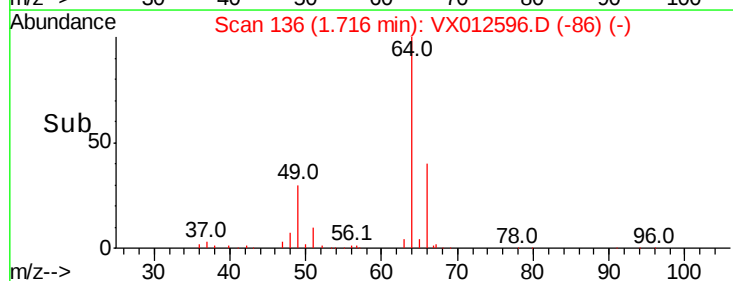
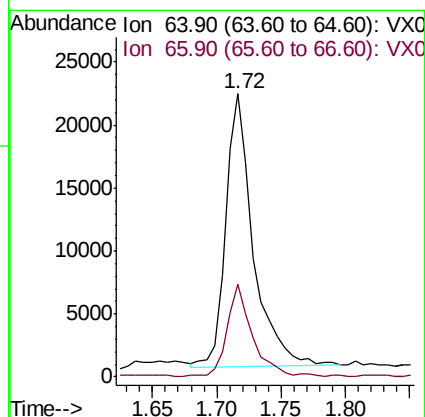
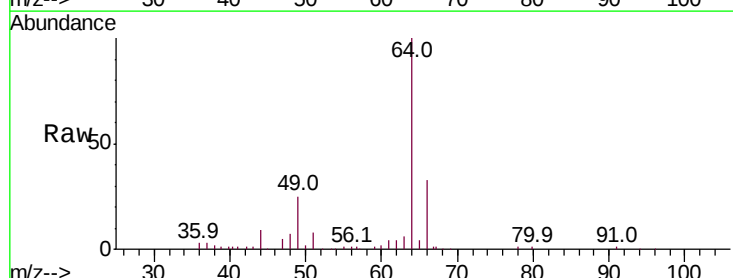
Instrument :
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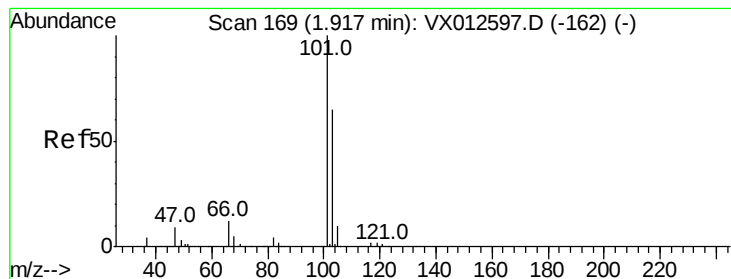
Tot Ion: 94 Resp: 22893
Ion Ratio Lower Upper
94 100
96 91.6 75.4 113.0



#6
Chloroethane
Concen: 31.348 ug/l
RT: 1.72 min Scan# 136
Delta R.T. 0.01 min
Lab File: VX012596.D
Acq: 23 Sep 2019 10:56

Tgt Ion: 64 Resp: 32518
Ion Ratio Lower Upper
64 100
66 33.3 24.6 37.0



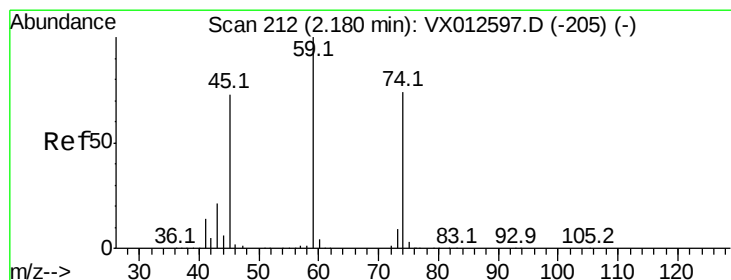
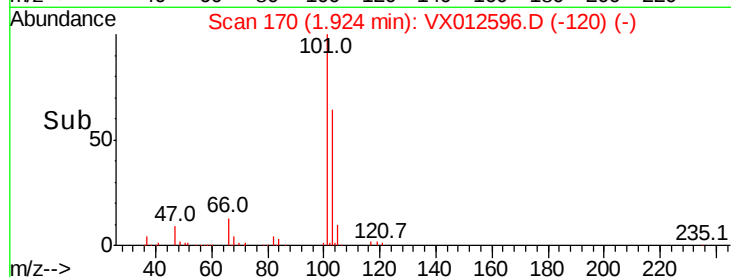
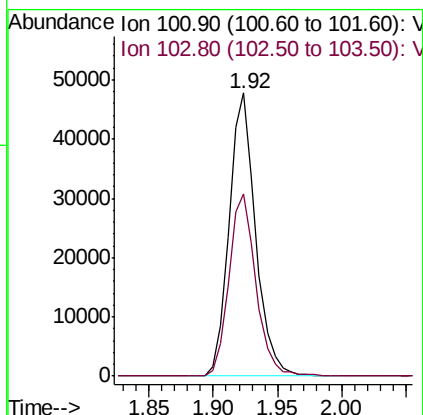
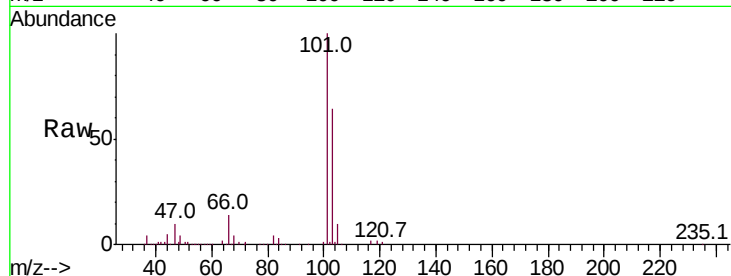


#7

Trichlorofluoromethane
Concen: 30.039 ug/l
RT: 1.92 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX012596.D
Acq: 23 Sep 2019 10:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

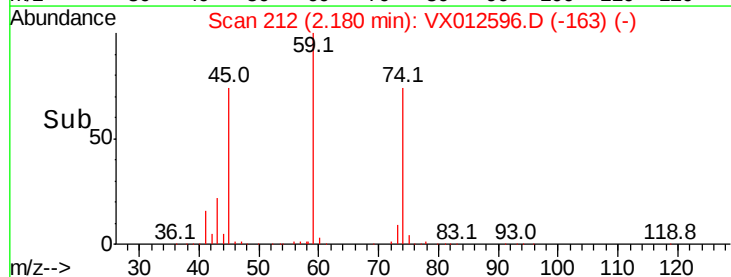
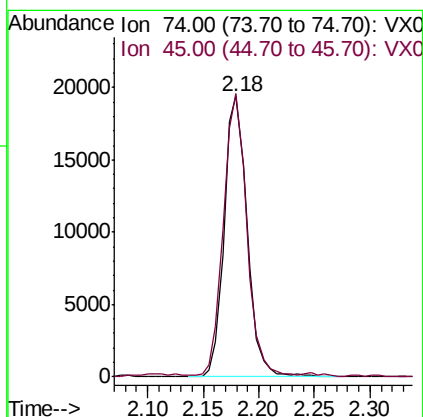
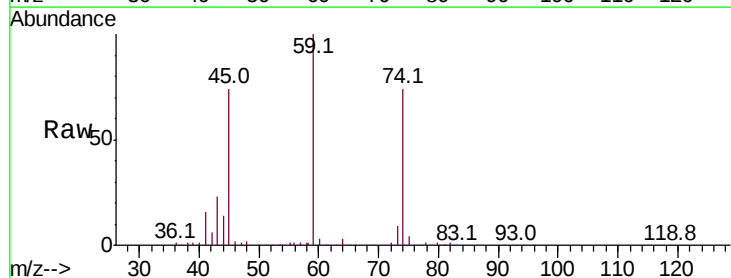
Tot Ion:101 Resp: 68756
Ion Ratio Lower Upper
101 100
103 64.3 51.7 77.5

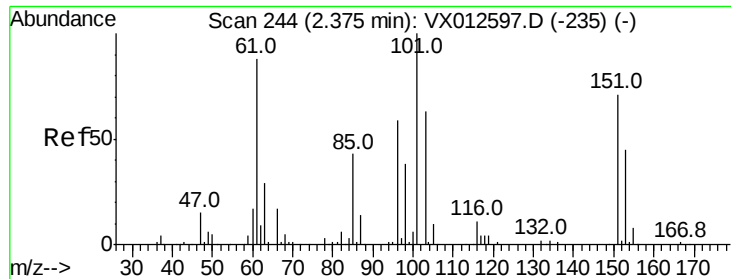


#8

Diethyl Ether
Concen: 27.290 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX012596.D
Acq: 23 Sep 2019 10:56

Tgt Ion: 74 Resp: 27773
Ion Ratio Lower Upper
74 100
45 101.4 50.0 149.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 26.120 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.00 min

Lab File: VX012596.D

Acq: 23 Sep 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

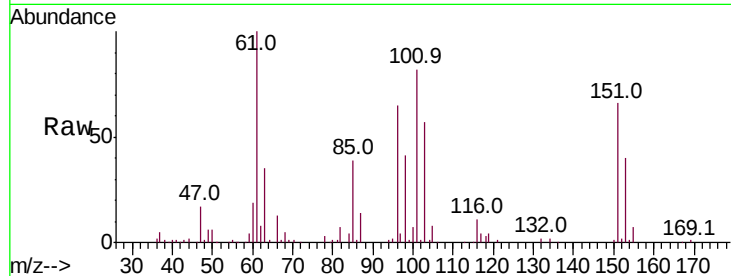
Tot Ion:101 Resp: 42061

Ion Ratio Lower Upper

101 100

85 45.2 35.8 53.6

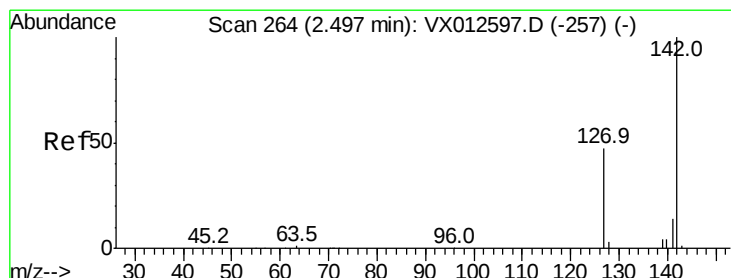
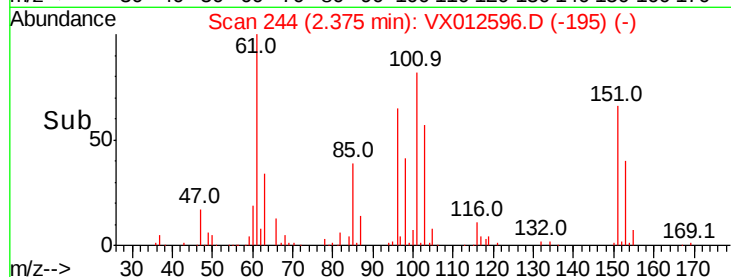
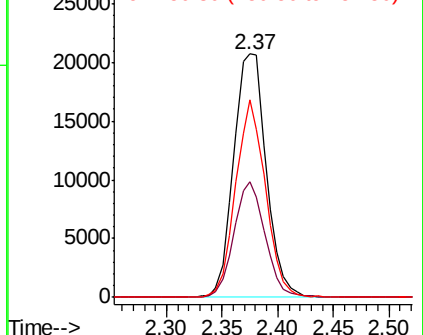
151 74.1 57.4 86.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 27.334 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.01 min

Lab File: VX012596.D

Acq: 23 Sep 2019 10:56

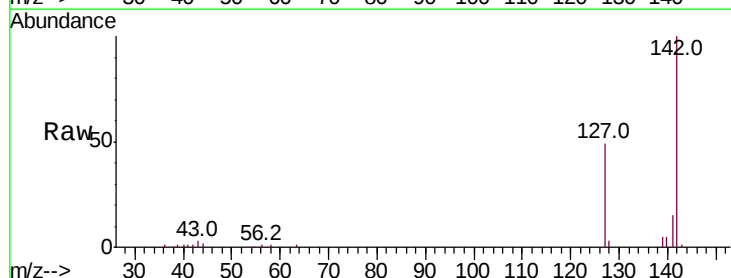
Tgt Ion:142 Resp: 36254

Ion Ratio Lower Upper

142 100

127 47.2 38.1 57.1

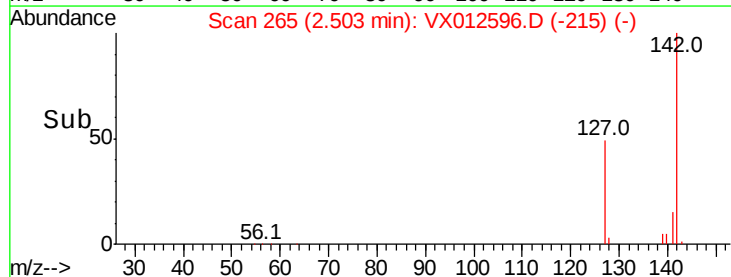
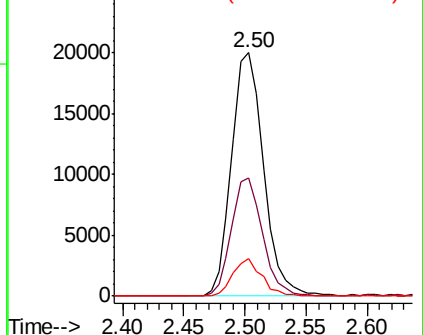
141 13.8 11.4 17.0

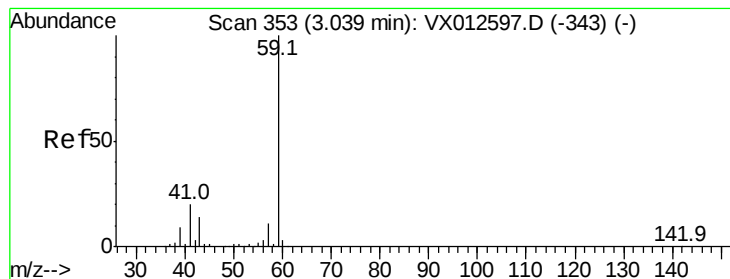


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 93.751 ug/l

RT: 3.03 min Scan# 352

Delta R.T. -0.01 min

Lab File: VX012596.D

Acq: 23 Sep 2019 10:56

Instrument :

MSVOA_X

ClientSampled :

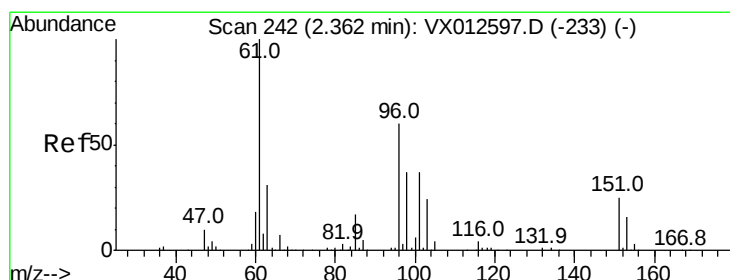
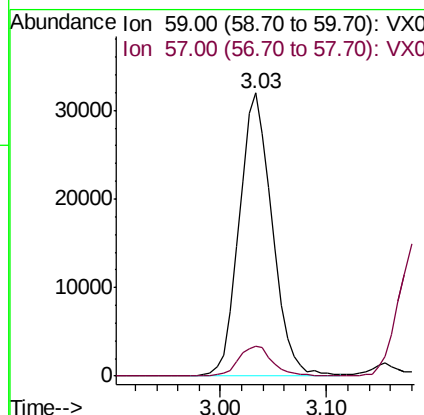
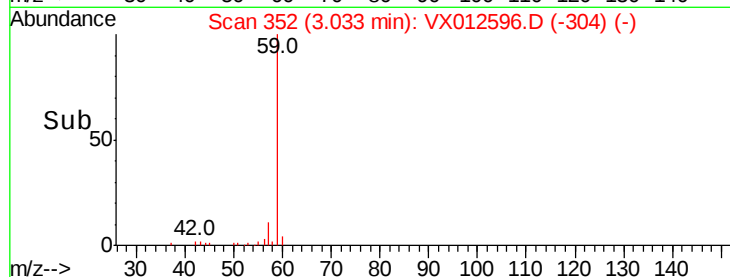
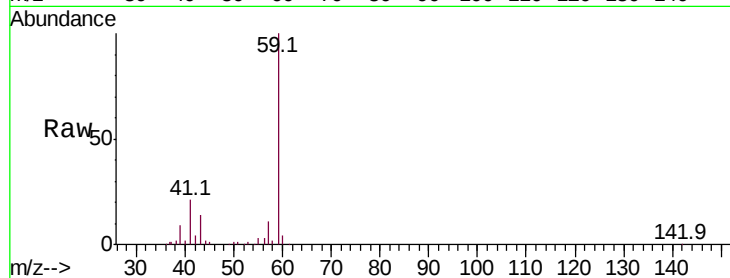
VSTDIC020

Tot Ion: 59 Resp: 69623

Ion Ratio Lower Upper

59 100

57 10.9 8.3 12.5



#12

1,1-Dichloroethene

Concen: 31.357 ug/l

RT: 2.36 min Scan# 242

Delta R.T. 0.00 min

Lab File: VX012596.D

Acq: 23 Sep 2019 10:56

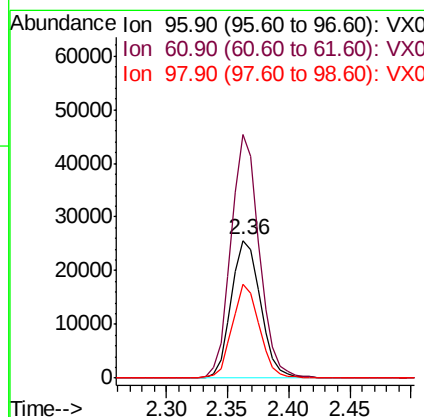
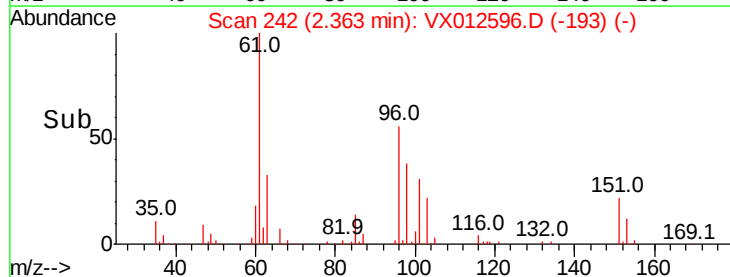
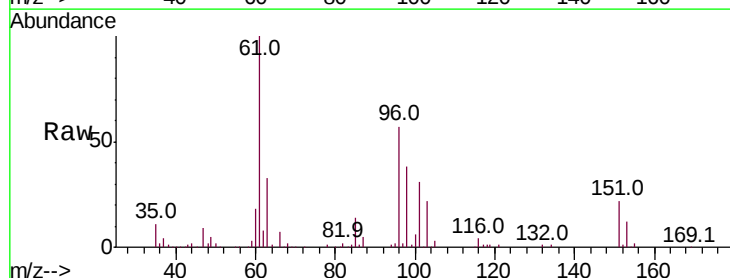
Tgt Ion: 96 Resp: 42479

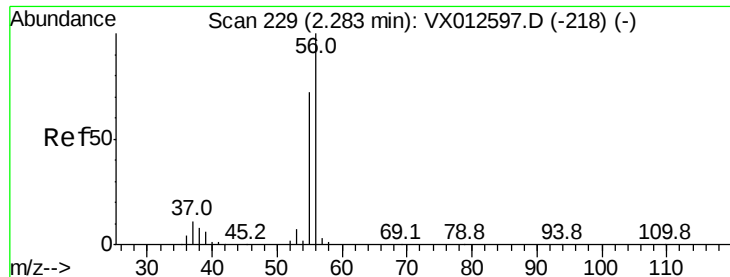
Ion Ratio Lower Upper

96 100

61 176.5 133.4 200.0

98 67.6 48.8 73.2





#13

Acrolein

Concen: 121.638 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX012596.D

Acq: 23 Sep 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

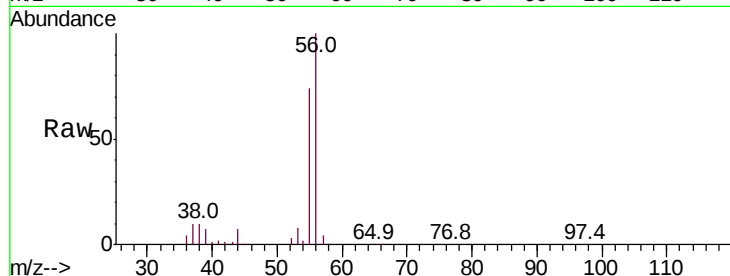
VSTDIC020

Tot Ion: 56 Resp: 36478

Ion Ratio Lower Upper

56 100

55 70.2 56.2 84.4



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.28

25000

20000

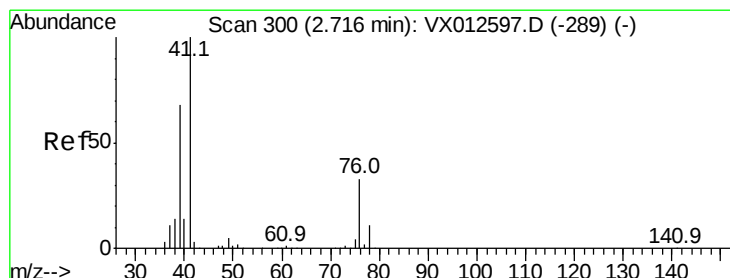
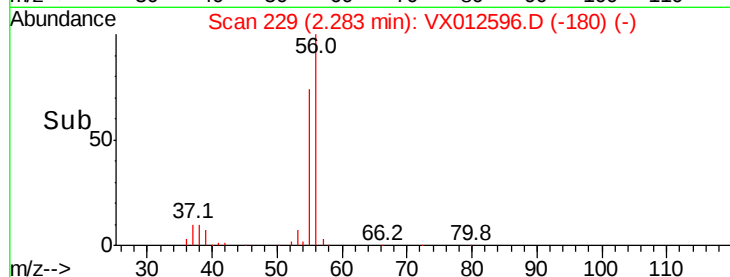
15000

10000

5000

0

Time--> 2.20 2.25 2.30 2.35



#14

Allyl chloride

Concen: 28.192 ug/l

RT: 2.72 min Scan# 300

Delta R.T. 0.00 min

Lab File: VX012596.D

Acq: 23 Sep 2019 10:56

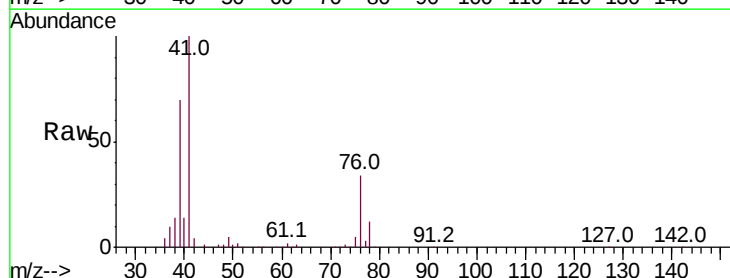
Tgt Ion: 41 Resp: 85073

Ion Ratio Lower Upper

41 100

39 64.5 52.1 78.1

76 31.2 25.0 37.6



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

80000

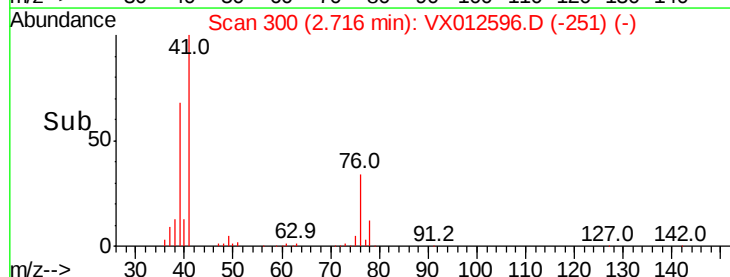
60000

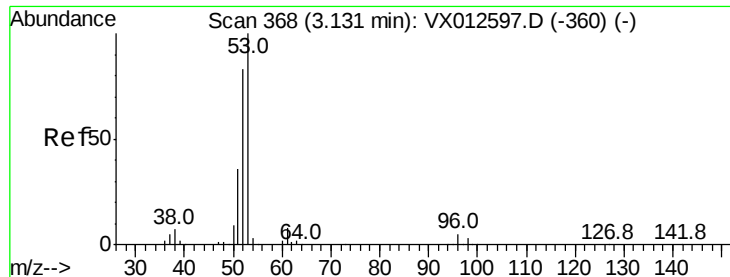
40000

20000

0

Time--> 2.60 2.70 2.80





#15

Acrylonitrile

Concen: 117.509 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX012596.D

Acq: 23 Sep 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

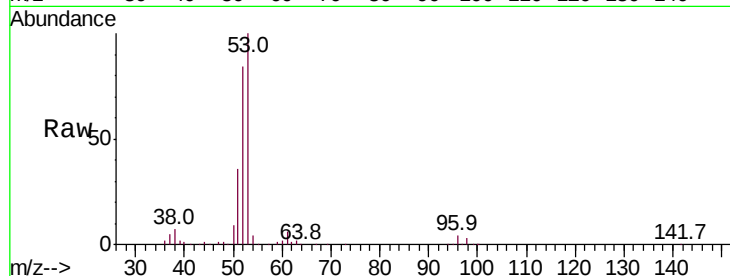
Tot Ion: 53 Resp: 144911

Ion Ratio Lower Upper

53 100

52 82.7 66.1 99.1

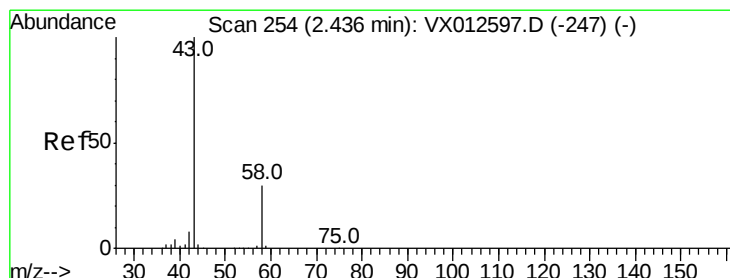
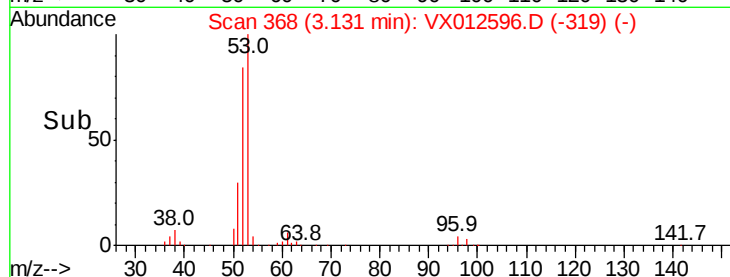
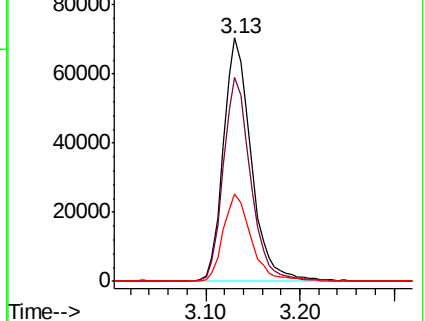
51 36.2 29.2 43.8



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 115.296 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX012596.D

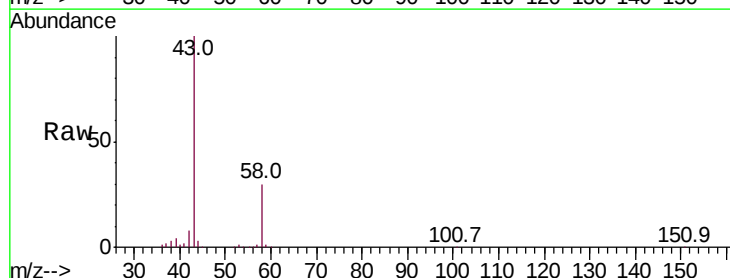
Acq: 23 Sep 2019 10:56

Tgt Ion: 43 Resp: 165174

Ion Ratio Lower Upper

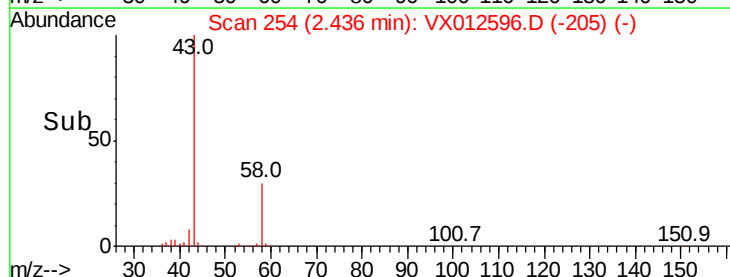
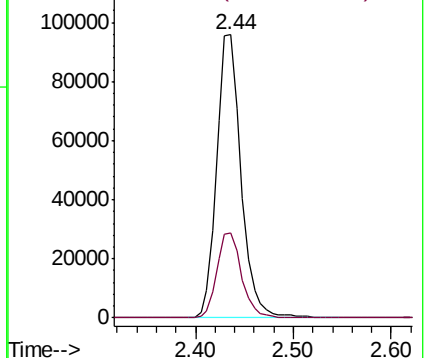
43 100

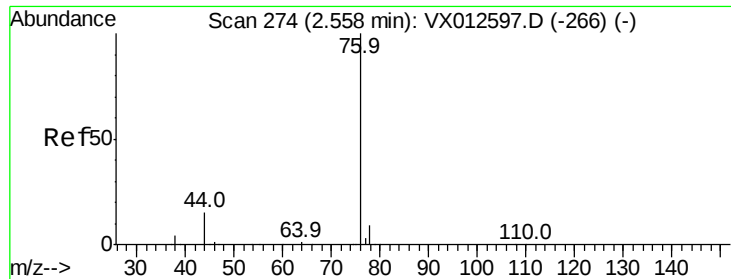
58 30.2 24.3 36.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

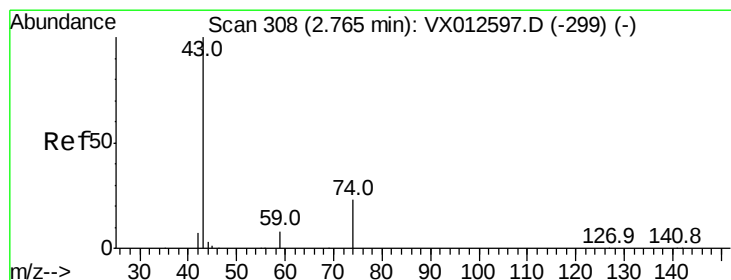
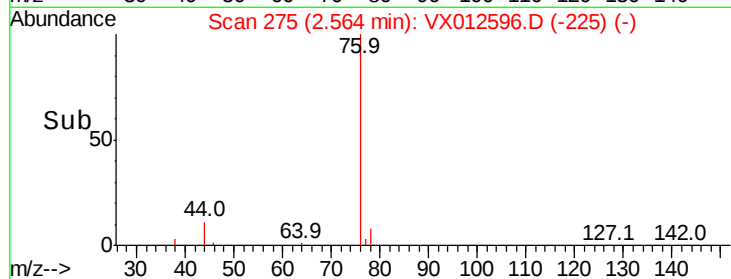
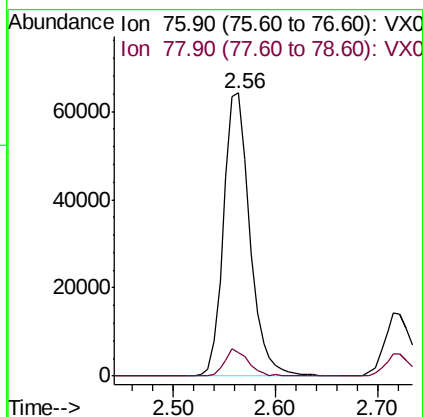
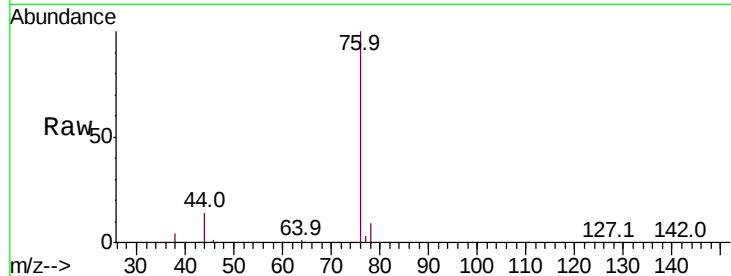




#17
Carbon Disulfide
Concen: 53.179 ug/l
RT: 2.56 min Scan# 275
Delta R.T. 0.01 min
Lab File: VX012596.D
Acq: 23 Sep 2019 10:56

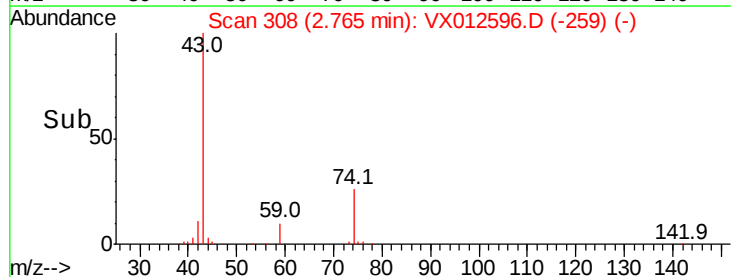
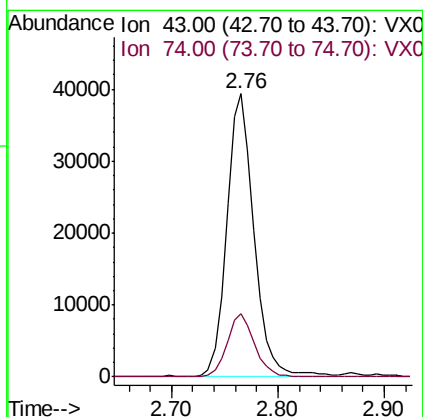
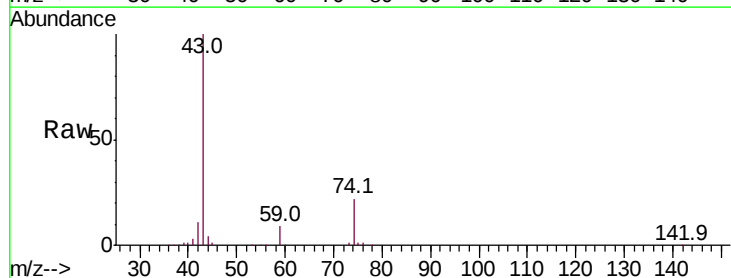
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

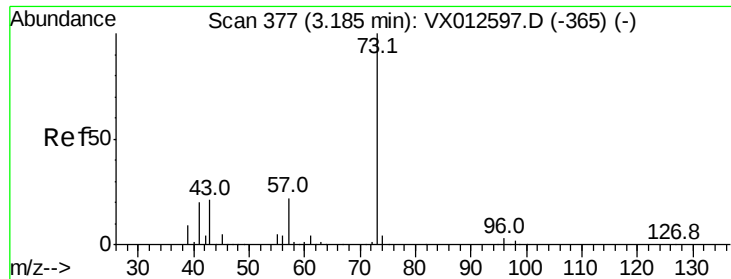
Tot Ion: 76 Resp: 114935
Ion Ratio Lower Upper
76 100
78 8.5 7.1 10.7



#18
Methyl Acetate
Concen: 23.787 ug/l
RT: 2.76 min Scan# 308
Delta R.T. 0.00 min
Lab File: VX012596.D
Acq: 23 Sep 2019 10:56

Tgt Ion: 43 Resp: 70465
Ion Ratio Lower Upper
43 100
74 22.7 18.6 27.8

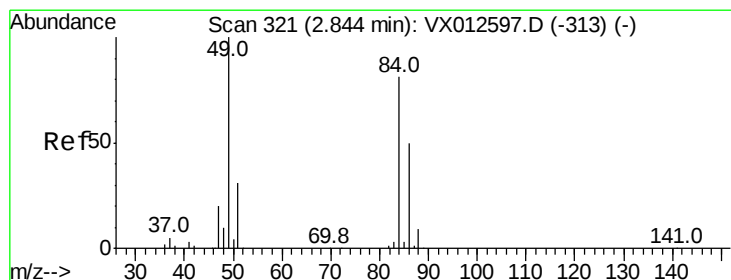
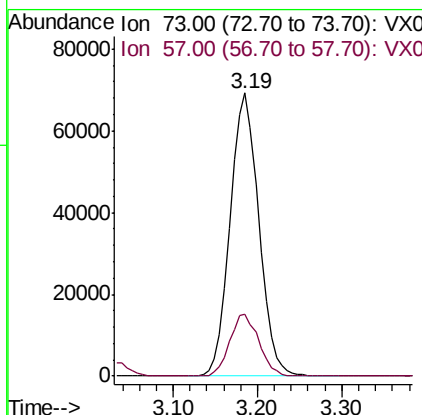
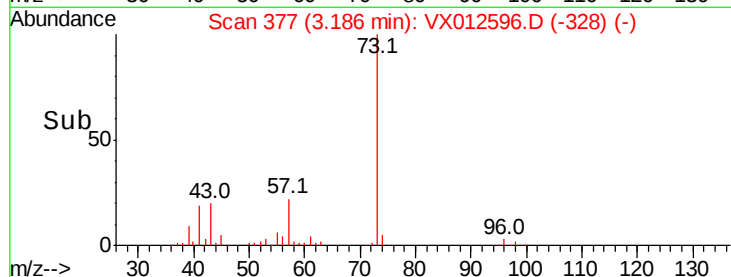
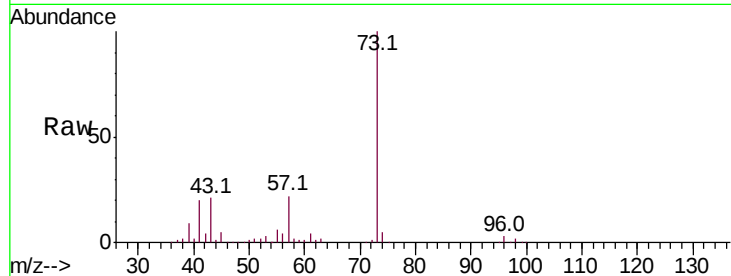




#19
Methyl tert-butyl Ether
Concen: 23.439 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.00 min
Lab File: VX012596.D
Acq: 23 Sep 2019 10:56

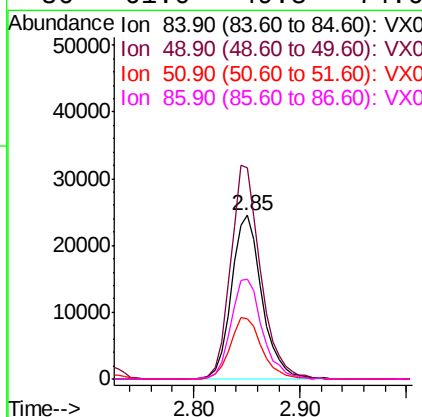
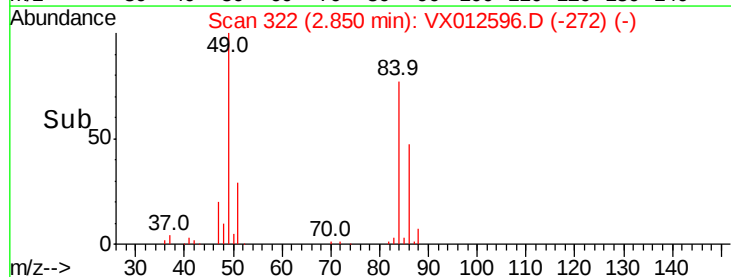
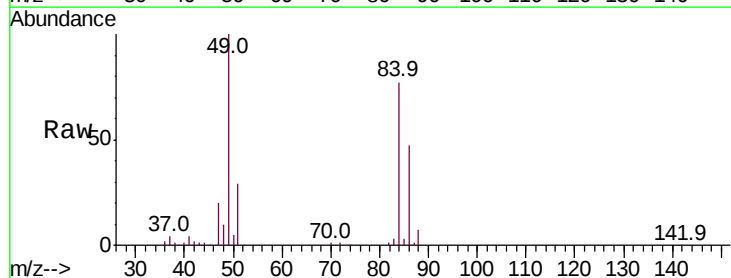
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

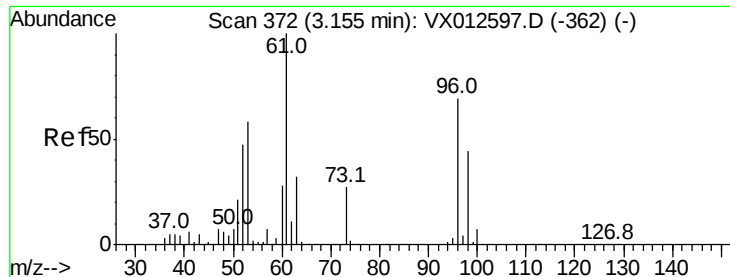
Tot Ion: 73 Resp: 159631
Ion Ratio Lower Upper
73 100
57 21.8 17.5 26.3



#20
Methylene Chloride
Concen: 27.318 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX012596.D
Acq: 23 Sep 2019 10:56

Tgt Ion: 84 Resp: 49213
Ion Ratio Lower Upper
84 100
49 129.4 99.3 148.9
51 37.2 30.4 45.6
86 61.0 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 32.115 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX012596.D

Acq: 23 Sep 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

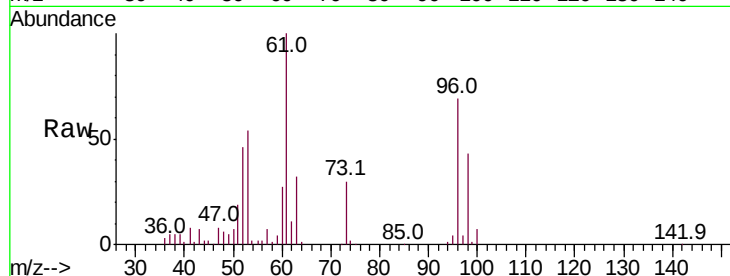
Tot Ion: 96 Resp: 45541

Ion Ratio Lower Upper

96 100

61 144.4 115.7 173.5

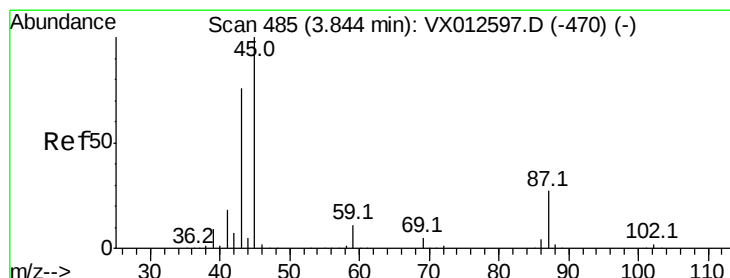
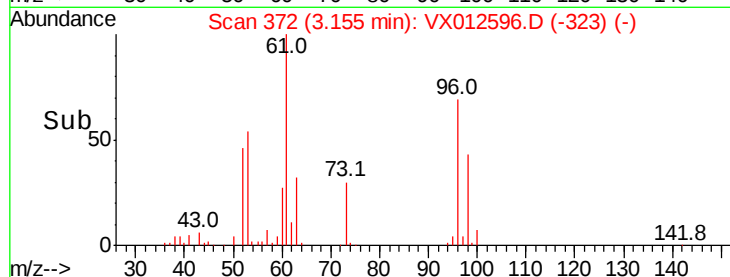
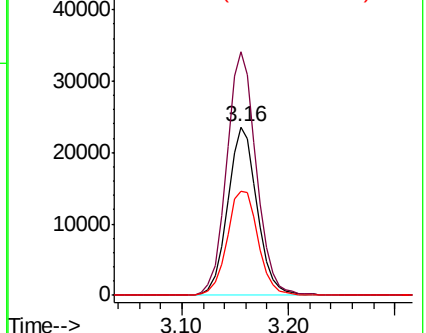
98 61.7 50.6 75.8



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 23.777 ug/l

RT: 3.84 min Scan# 485

Delta R.T. 0.00 min

Lab File: VX012596.D

Acq: 23 Sep 2019 10:56

Tgt Ion: 45 Resp: 162020

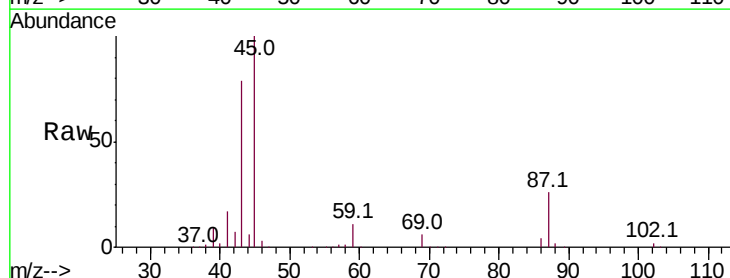
Ion Ratio Lower Upper

45 100

43 77.8 60.8 91.2

87 26.0 21.9 32.9

59 10.8 8.6 12.8

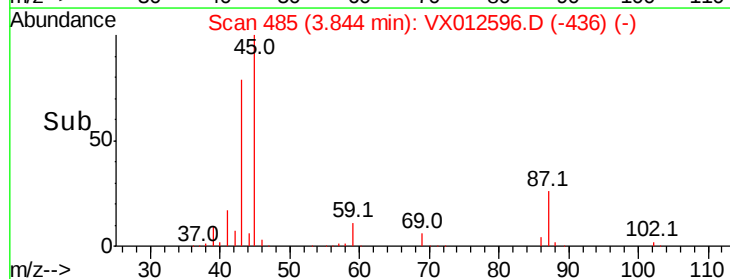
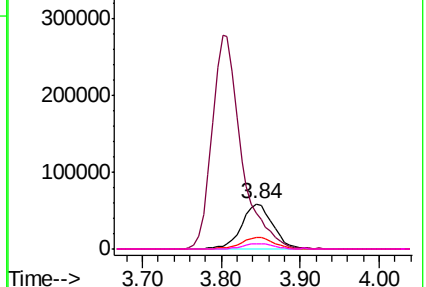


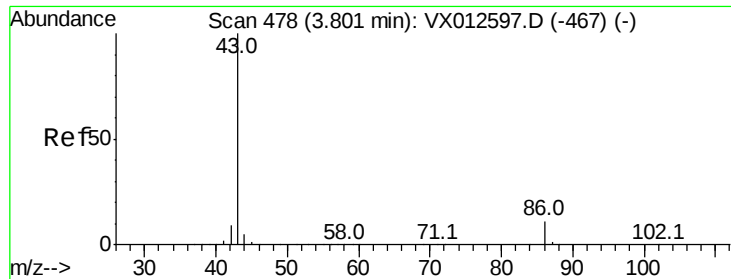
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 127.112 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX012596.D

Acq: 23 Sep 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

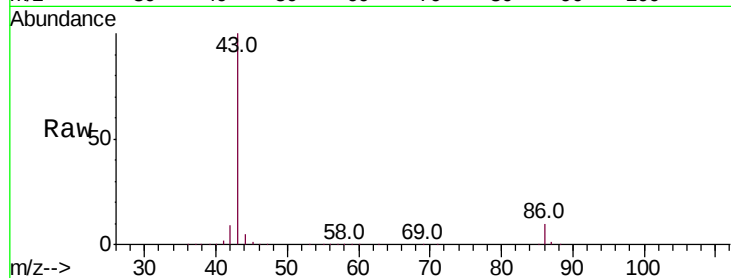
VSTDIC020

Tot Ion: 43 Resp: 720032

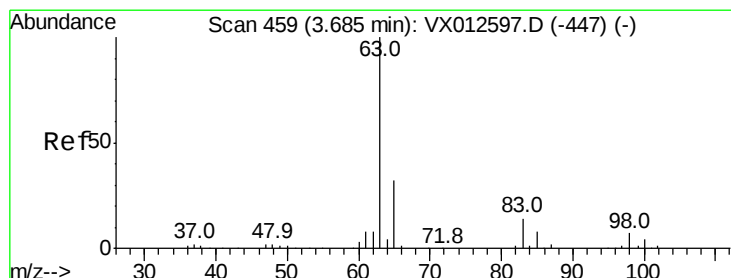
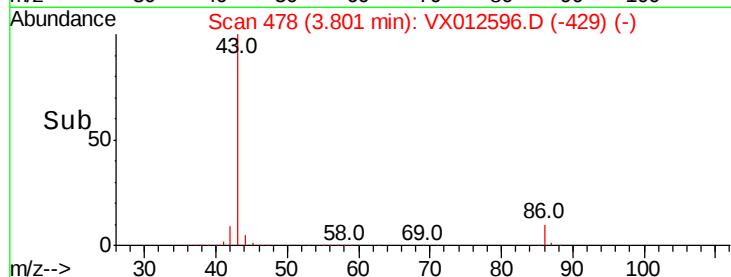
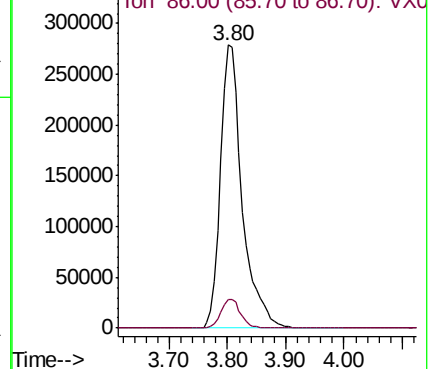
Ion Ratio Lower Upper

43 100

86 10.2 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VX0



#24

1,1-Dichloroethane

Concen: 25.670 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX012596.D

Acq: 23 Sep 2019 10:56

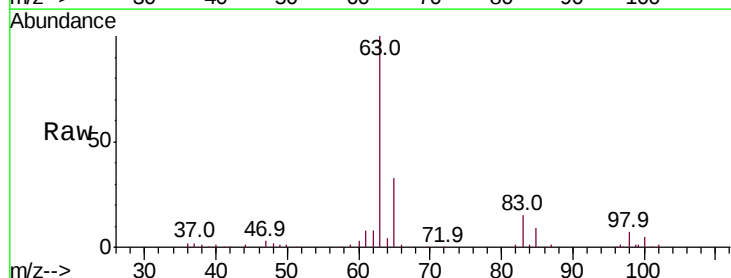
Tgt Ion: 63 Resp: 85672

Ion Ratio Lower Upper

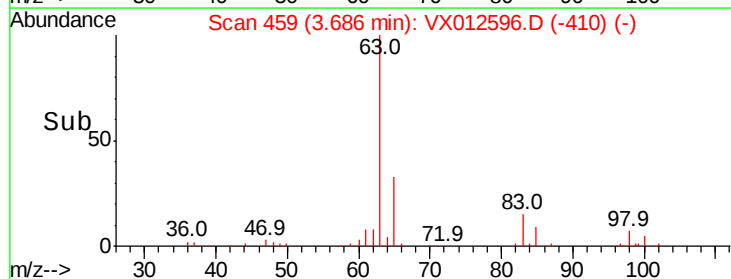
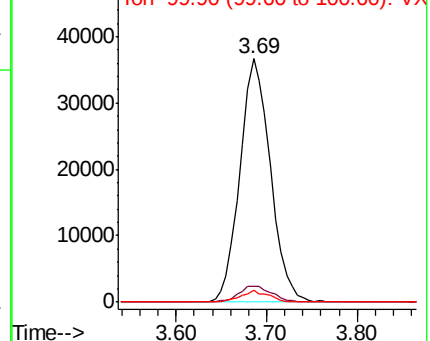
63 100

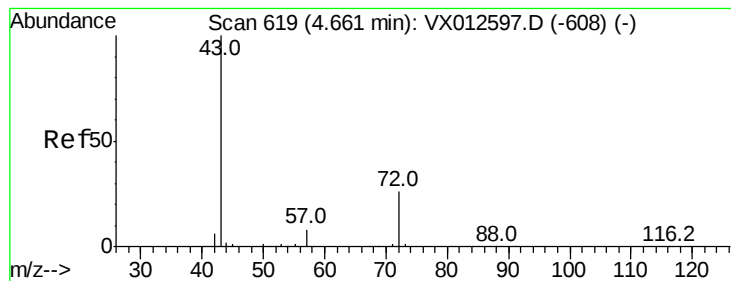
98 6.6 3.5 10.4

100 4.7 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VX0





#25

2-Butanone

Concen: 112.833 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.00 min

Lab File: VX012596.D

Acq: 23 Sep 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

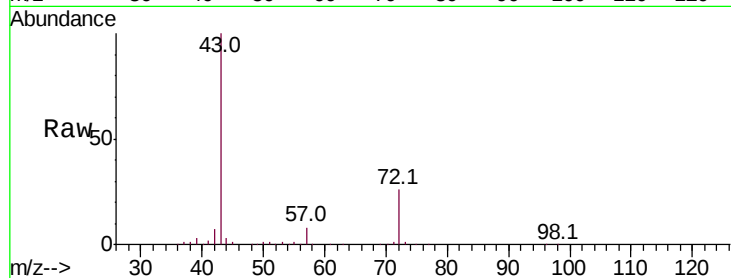
VSTDIC020

Tot Ion: 43 Resp: 220925

Ion Ratio Lower Upper

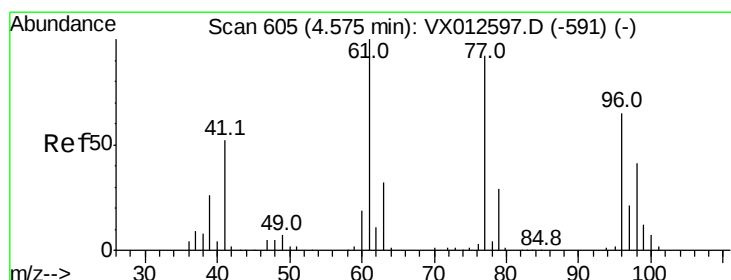
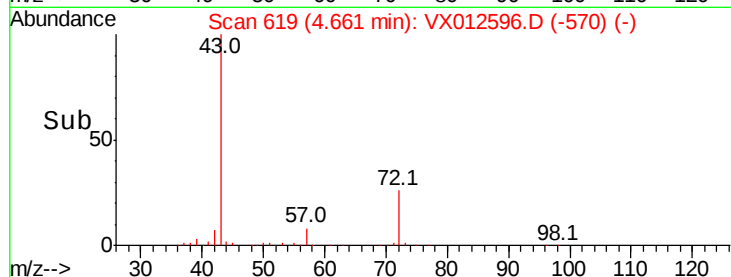
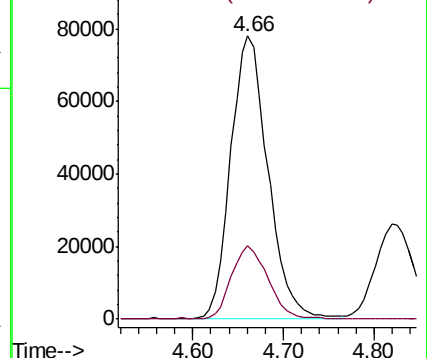
43 100

72 25.6 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 24.343 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.01 min

Lab File: VX012596.D

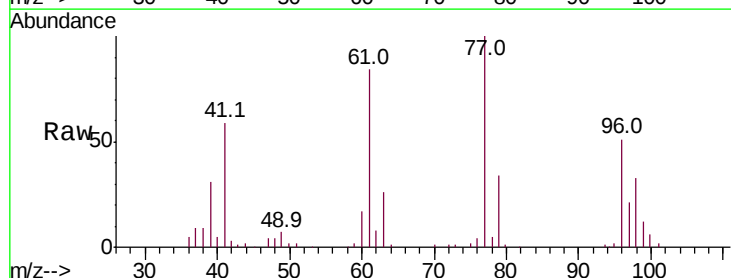
Acq: 23 Sep 2019 10:56

Tgt Ion: 77 Resp: 78450

Ion Ratio Lower Upper

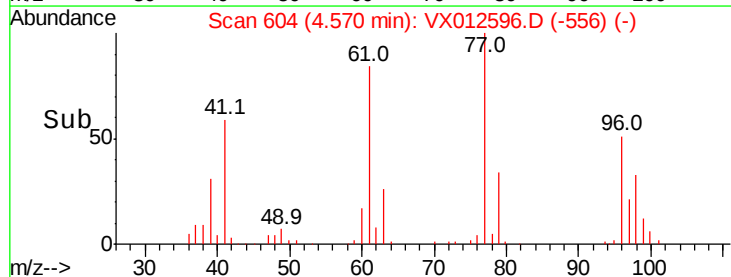
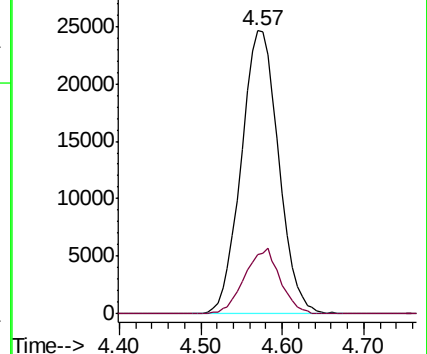
77 100

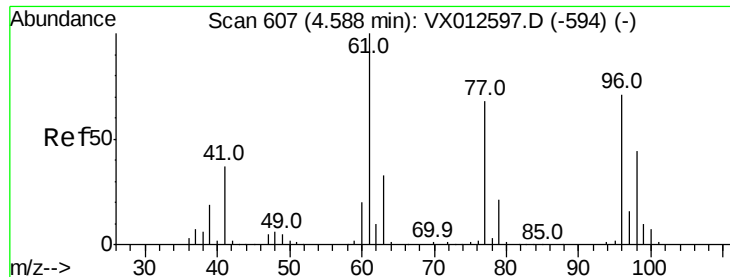
97 21.9 10.9 32.9



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



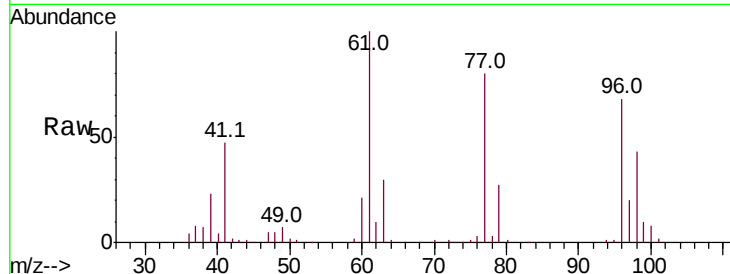


#27

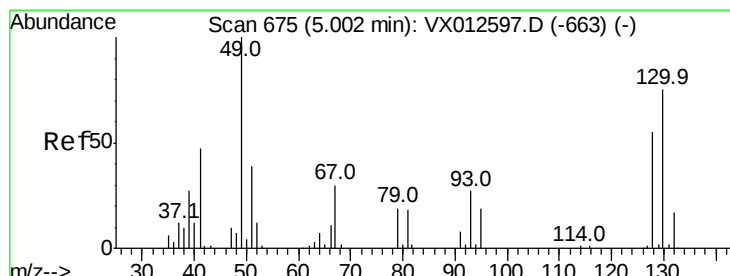
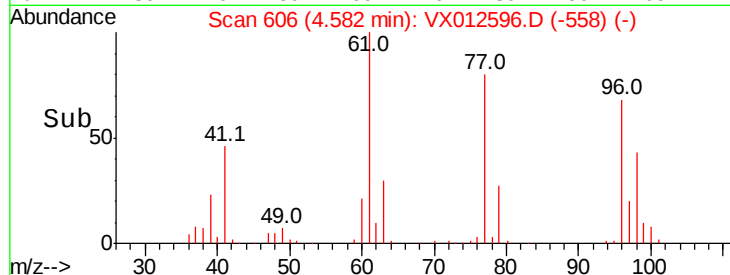
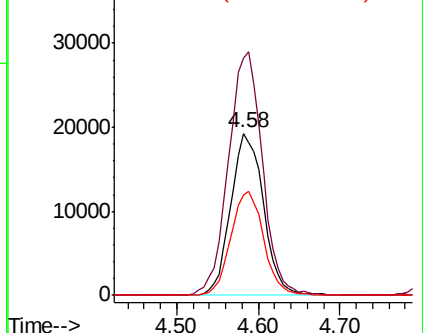
cis-1,2-Dichloroethene
Concen: 26.629 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.01 min
Lab File: VX012596.D
Acq: 23 Sep 2019 10:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion: 96 Resp: 53368
Ion Ratio Lower Upper
96 100
61 156.2 0.0 303.8
98 64.5 0.0 127.6



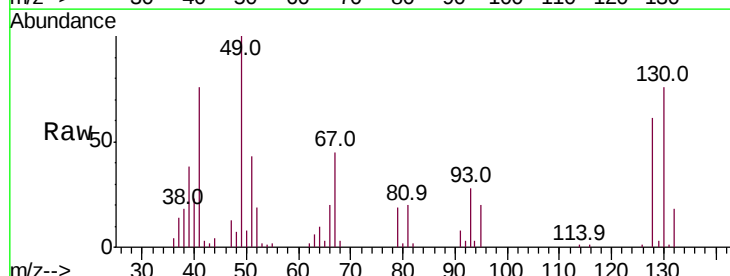
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



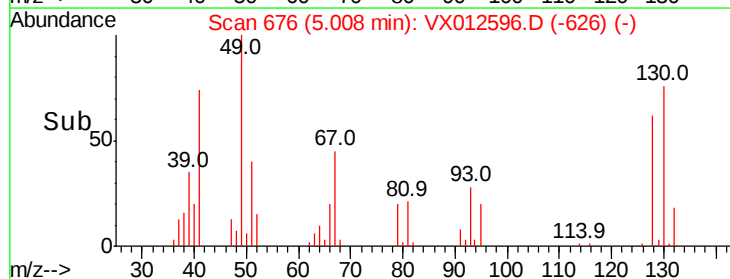
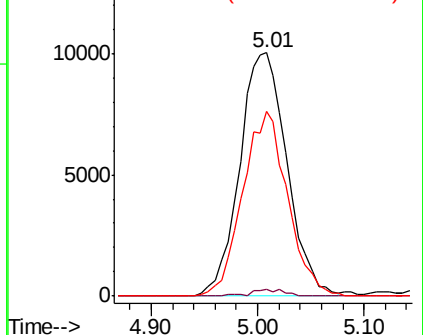
#28

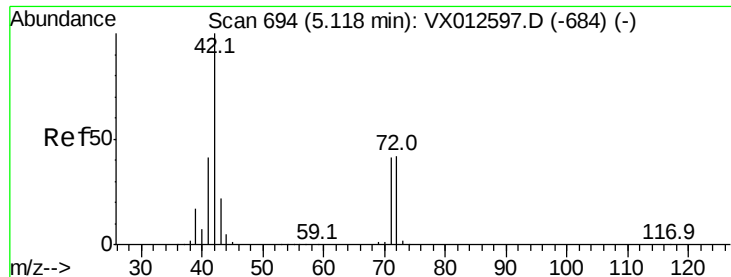
Bromochloromethane
Concen: 18.960 ug/l
RT: 5.01 min Scan# 676
Delta R.T. 0.01 min
Lab File: VX012596.D
Acq: 23 Sep 2019 10:56

Tgt Ion: 49 Resp: 31065
Ion Ratio Lower Upper
49 100
129 1.9 0.0 4.0
130 72.5 57.0 85.6



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 120.888 ug/l

RT: 5.12 min Scan# 694

Delta R.T. 0.00 min

Lab File: VX012596.D

Acq: 23 Sep 2019 10:56

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

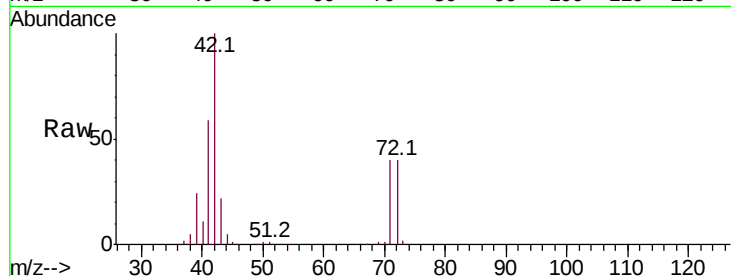
Tot Ion: 42 Resp: 132368

Ion Ratio Lower Upper

42 100

72 44.8 34.6 51.8

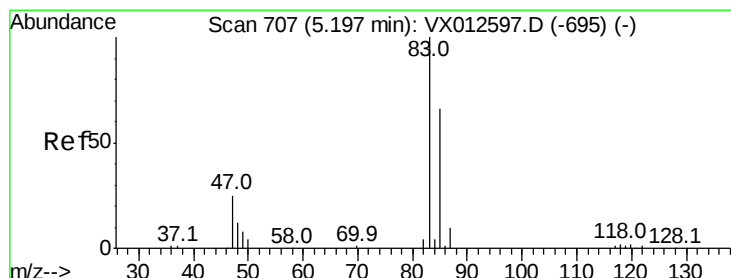
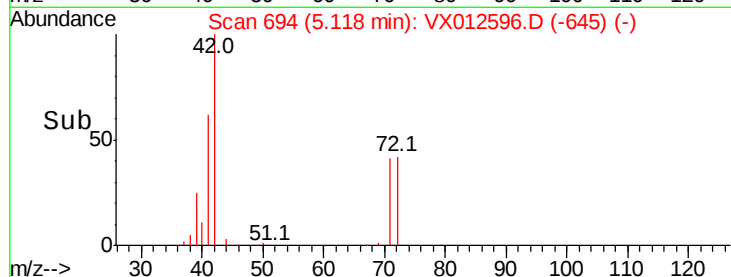
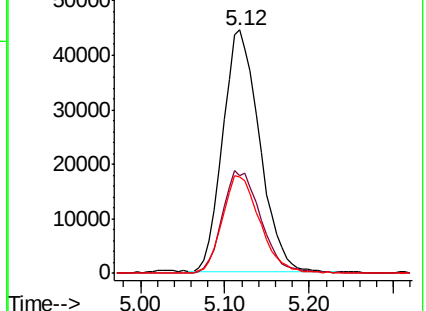
71 41.3 32.6 48.8



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 23.561 ug/l

RT: 5.20 min Scan# 707

Delta R.T. 0.00 min

Lab File: VX012596.D

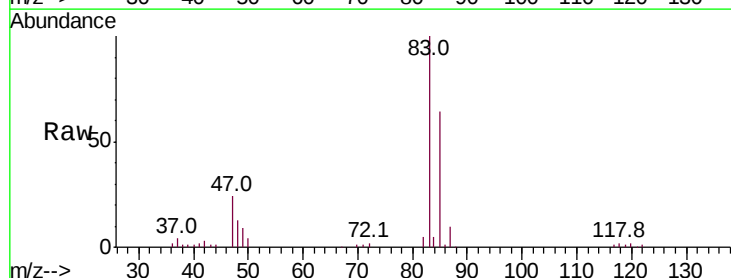
Acq: 23 Sep 2019 10:56

Tgt Ion: 83 Resp: 88350

Ion Ratio Lower Upper

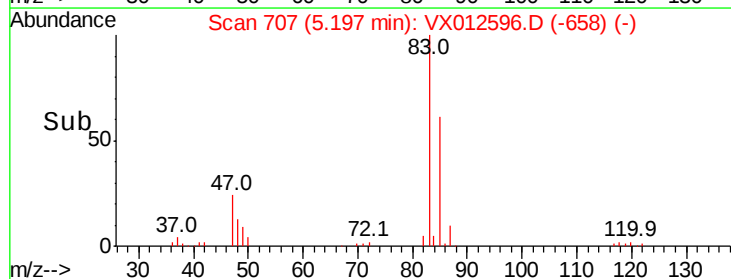
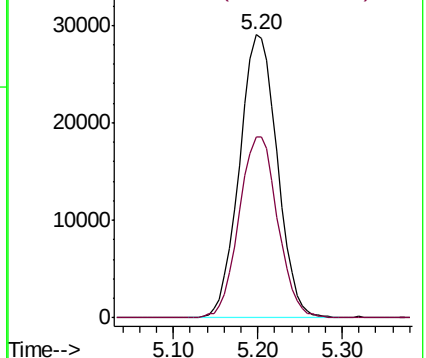
83 100

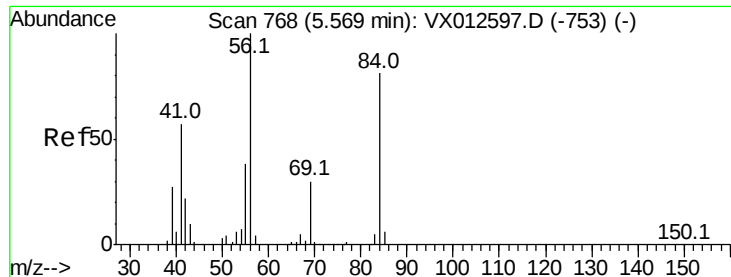
85 64.0 52.6 78.8



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

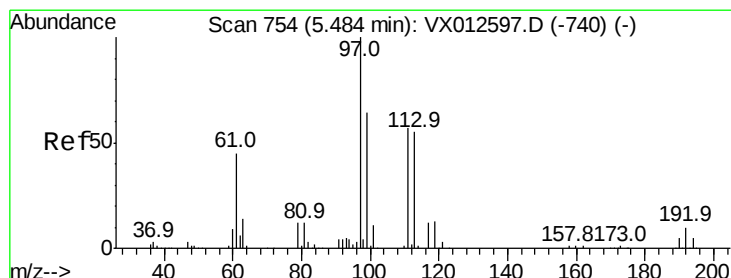
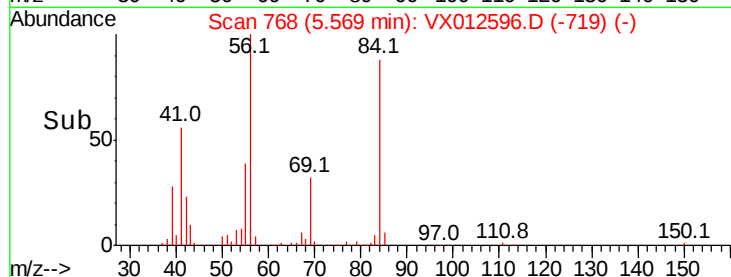
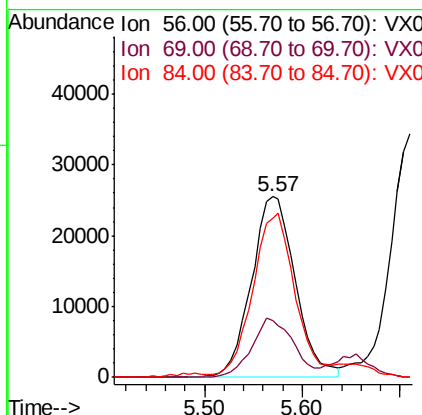
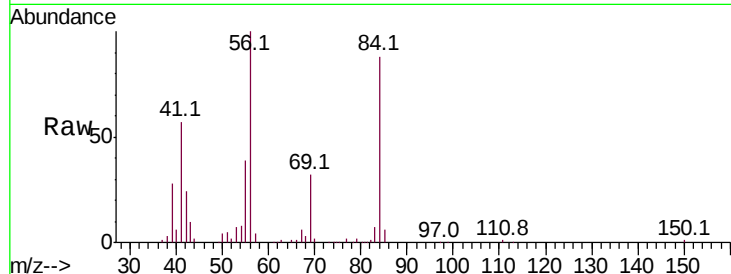




#31
Cyclohexane
Concen: 34.940 ug/l
RT: 5.57 min Scan# 768
Delta R.T. 0.00 min
Lab File: VX012596.D
Acq: 23 Sep 2019 10:56

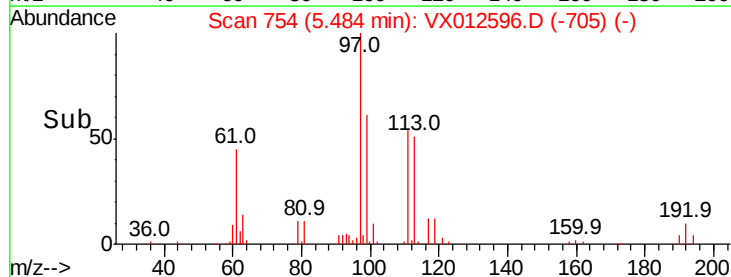
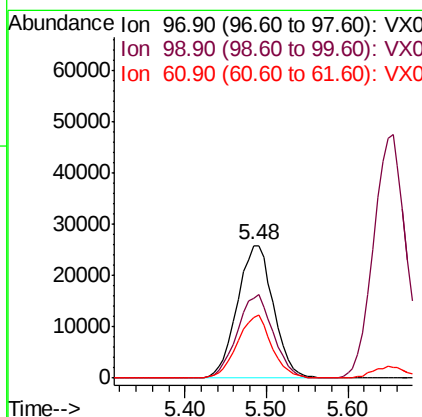
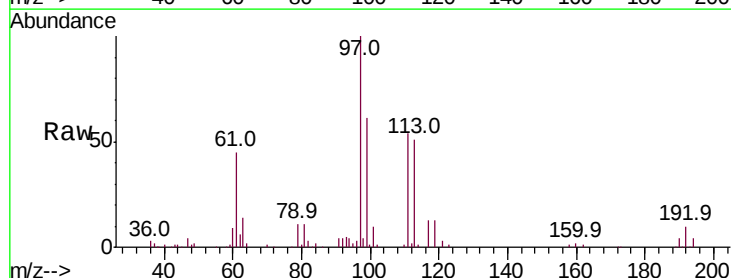
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

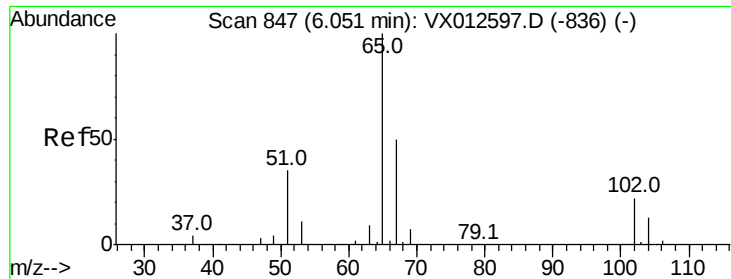
Tot Ion: 56 Resp: 79468
Ion Ratio Lower Upper
56 100
69 31.7 24.3 36.5
84 86.5 65.0 97.6



#32
1,1,1-Trichloroethane
Concen: 25.131 ug/l
RT: 5.48 min Scan# 754
Delta R.T. 0.00 min
Lab File: VX012596.D
Acq: 23 Sep 2019 10:56

Tgt Ion: 97 Resp: 79628
Ion Ratio Lower Upper
97 100
99 62.6 51.3 76.9
61 45.2 35.5 53.3

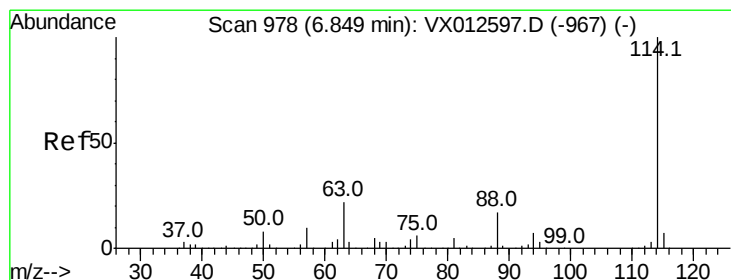
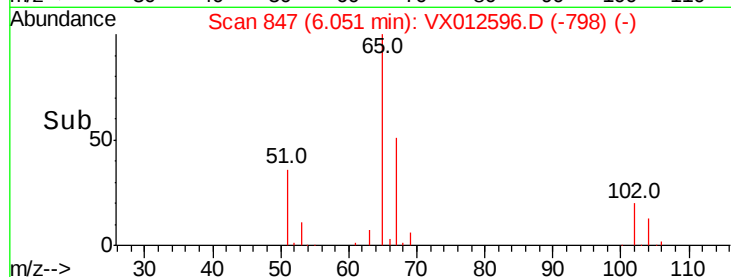
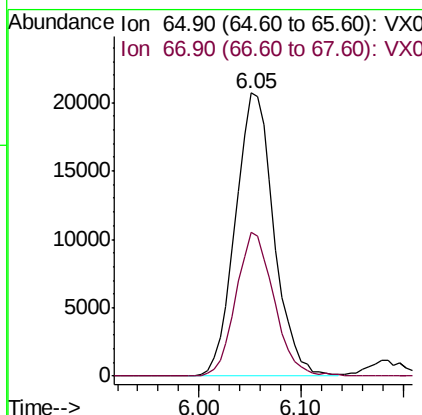
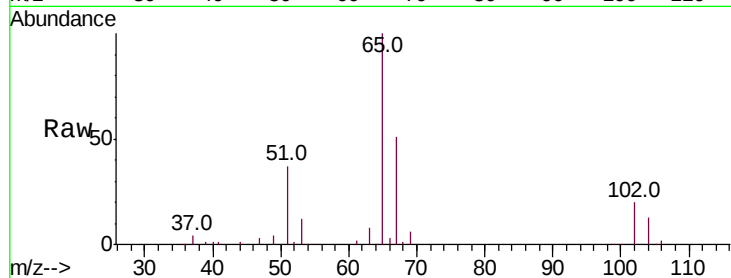




#33
 1,2-Dichloroethane-d4
 Concen: 19.236 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX012596.D
 Acq: 23 Sep 2019 10:56

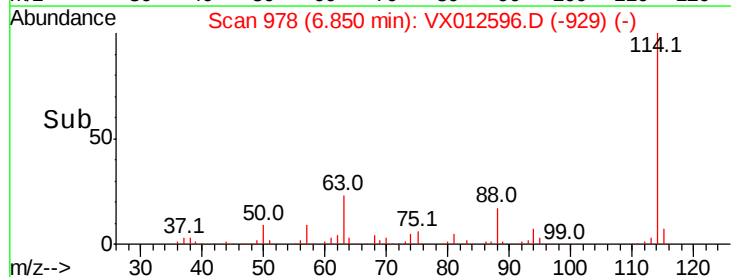
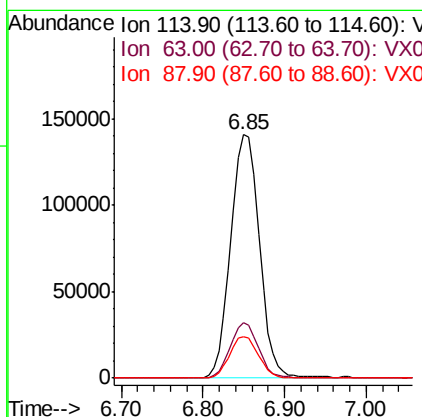
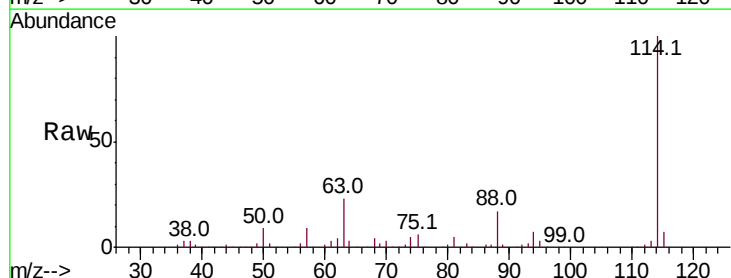
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

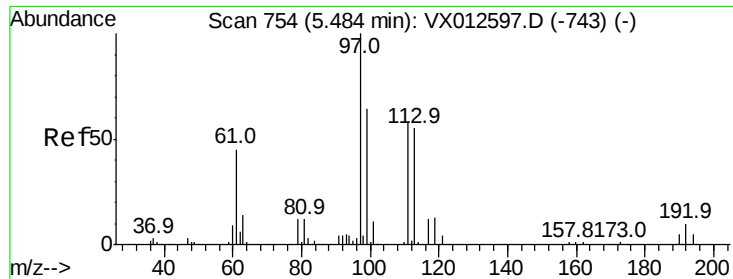
Tot Ion: 65 Resp: 54247
 Ion Ratio Lower Upper
 65 100
 67 50.1 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012596.D
 Acq: 23 Sep 2019 10:56

Tgt Ion: 114 Resp: 343190
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 44.4
 88 17.0 0.0 33.2

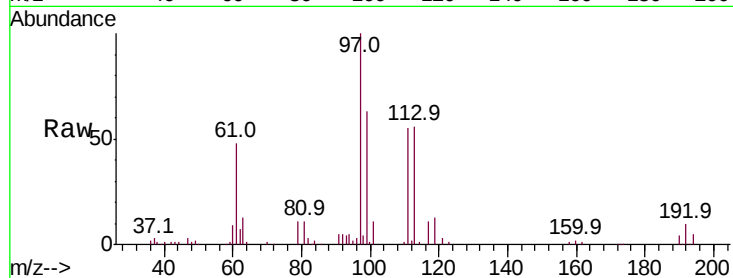




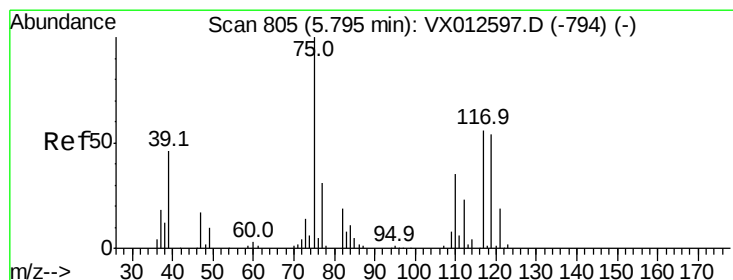
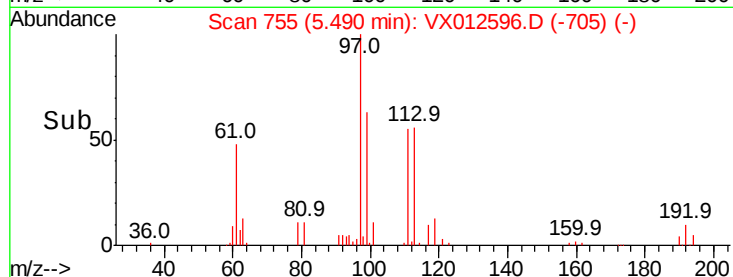
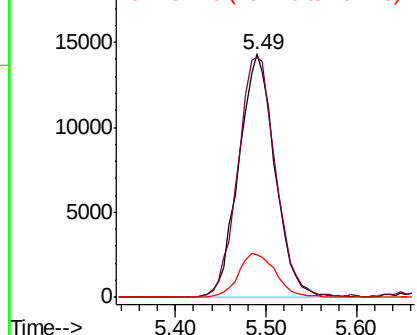
#35
 Dibromofluoromethane
 Concen: 18.986 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.01 min
 Lab File: VX012596.D
 Acq: 23 Sep 2019 10:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion:113 Resp: 39569
 Ion Ratio Lower Upper
 113 100
 111 102.7 81.8 122.6
 192 18.6 14.5 21.7

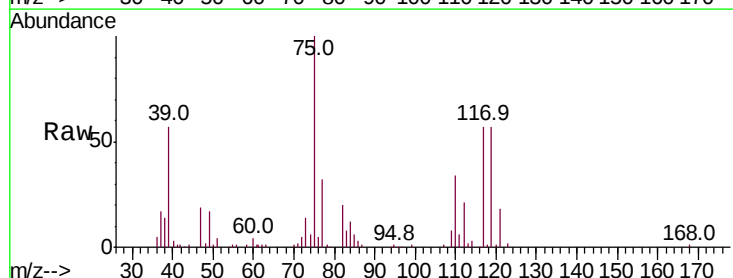


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

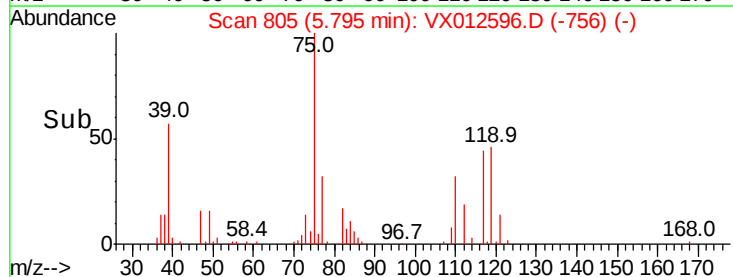
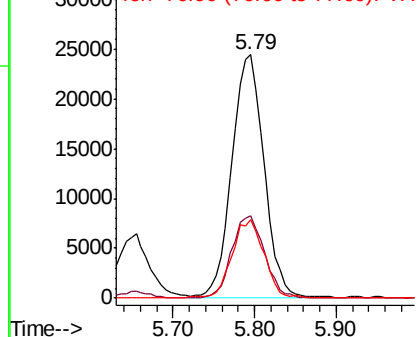


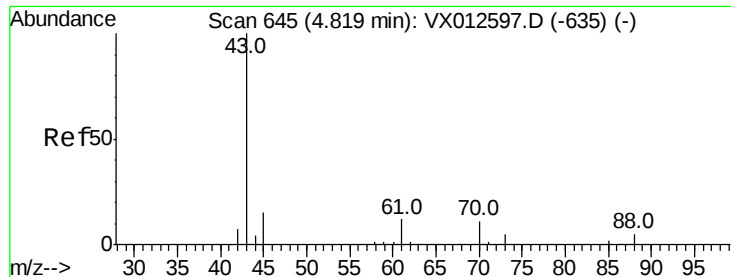
#36
 1,1-Dichloropropene
 Concen: 29.936 ug/l
 RT: 5.79 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX012596.D
 Acq: 23 Sep 2019 10:56

Tgt Ion: 75 Resp: 66779
 Ion Ratio Lower Upper
 75 100
 110 34.3 17.6 52.8
 77 32.3 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

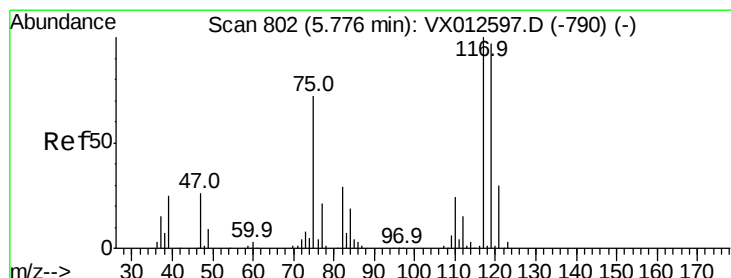
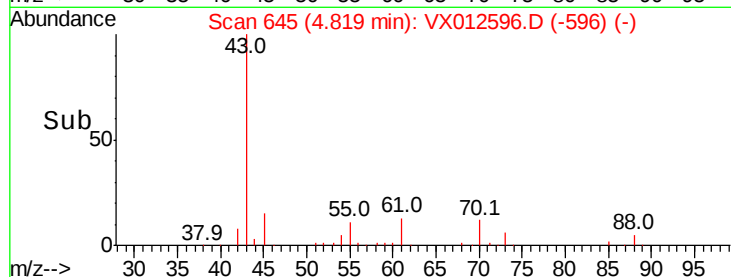
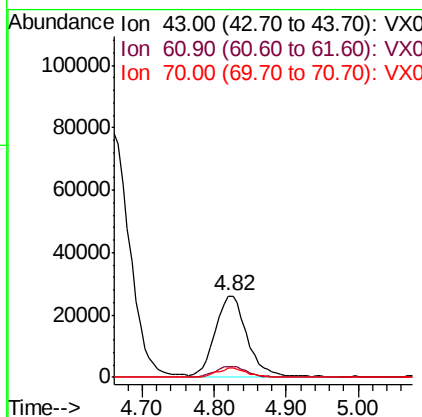
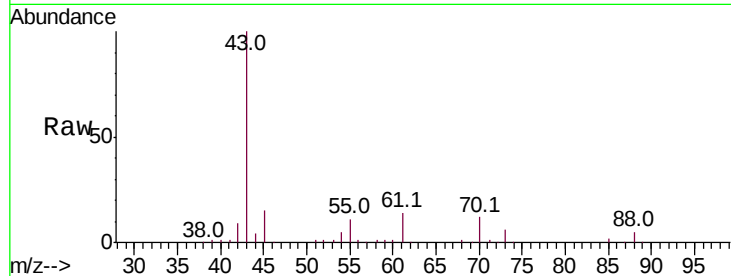




#37
Ethyl Acetate
Concen: 24.457 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.00 min
Lab File: VX012596.D
Acq: 23 Sep 2019 10:56

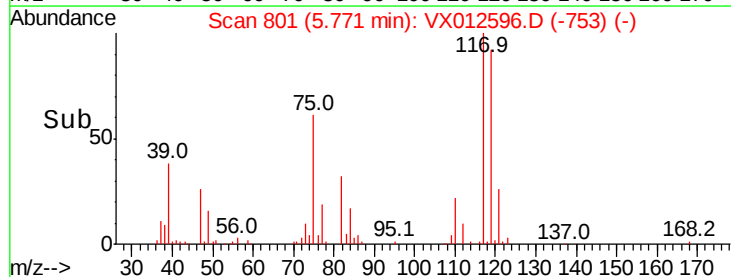
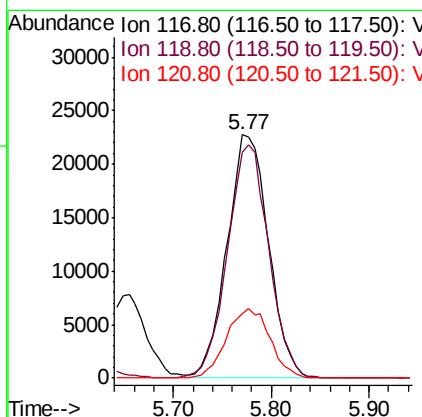
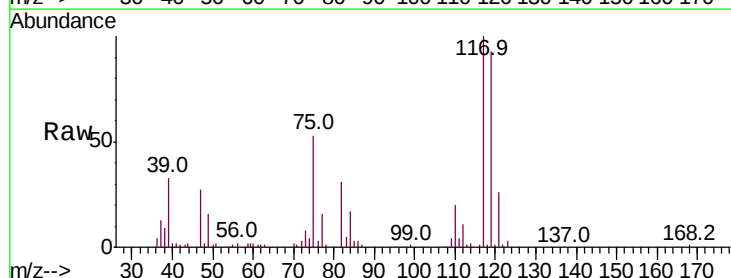
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

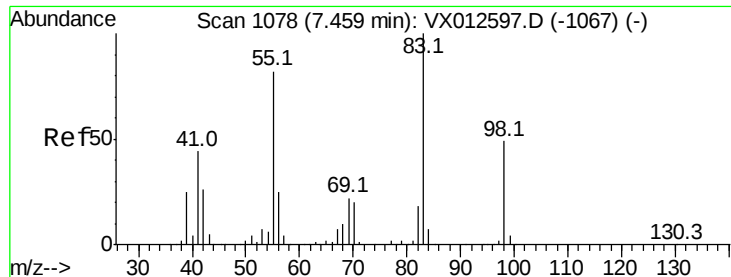
Tot Ion: 43 Resp: 79178
Ion Ratio Lower Upper
43 100
61 13.7 10.8 16.2
70 11.1 9.0 13.6



#38
Carbon Tetrachloride
Concen: 25.045 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.01 min
Lab File: VX012596.D
Acq: 23 Sep 2019 10:56

Tgt Ion: 117 Resp: 67065
Ion Ratio Lower Upper
117 100
119 92.6 77.1 115.7
121 26.5 23.7 35.5

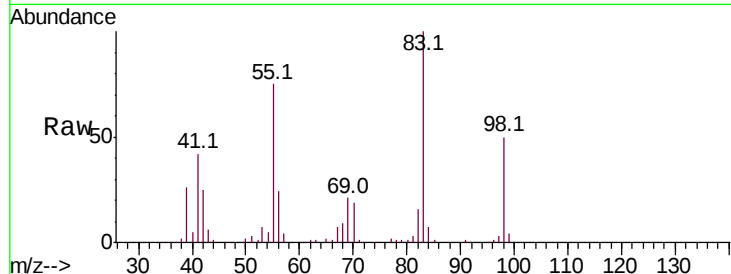




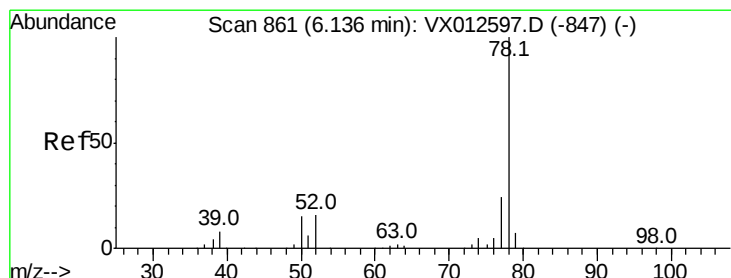
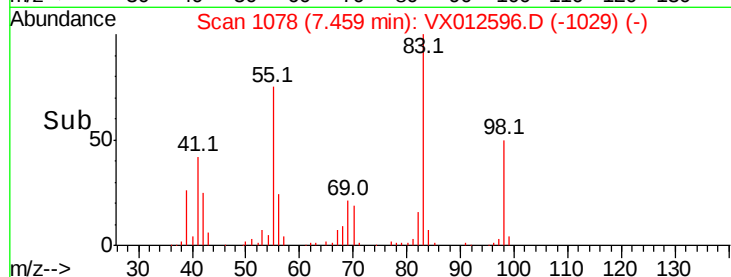
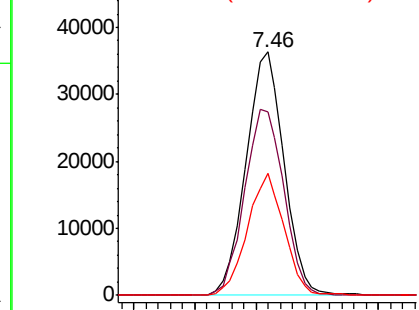
#39
Methvlcvclohexane
Concen: 34.508 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VX012596.D
Acq: 23 Sep 2019 10:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion: 83 Resp: 78408
Ion Ratio Lower Upper
83 100
55 75.1 65.6 98.4
98 50.1 39.4 59.0

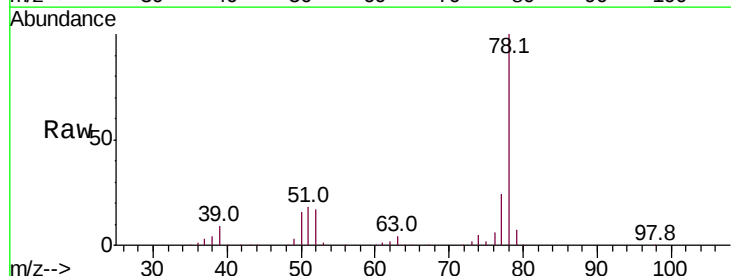


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

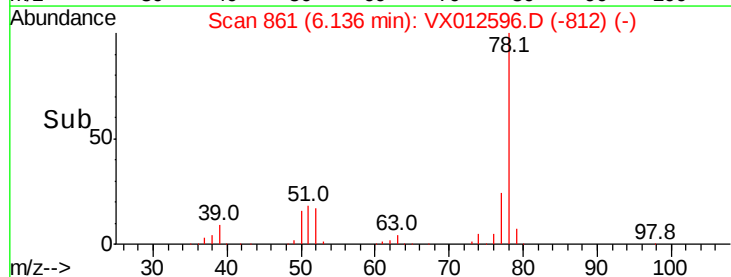
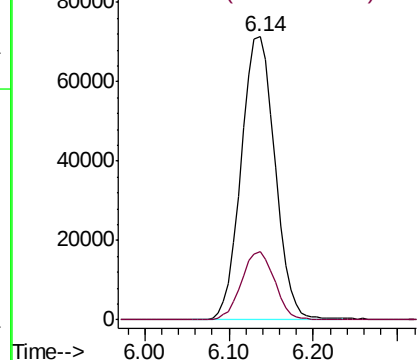


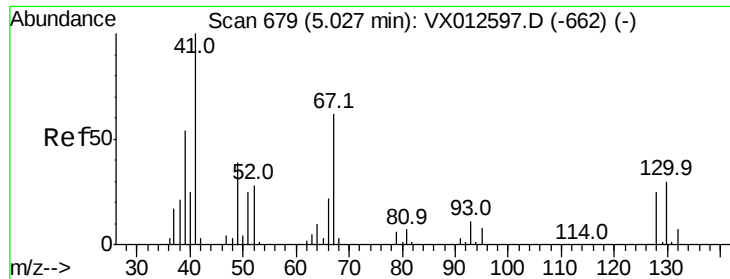
#40
Benzene
Concen: 27.607 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.00 min
Lab File: VX012596.D
Acq: 23 Sep 2019 10:56

Tgt Ion: 78 Resp: 193667
Ion Ratio Lower Upper
78 100
77 24.0 19.0 28.6



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0

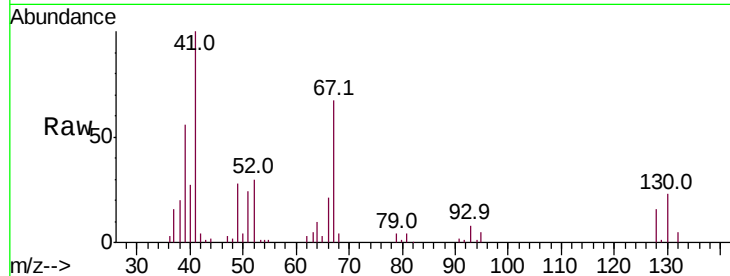




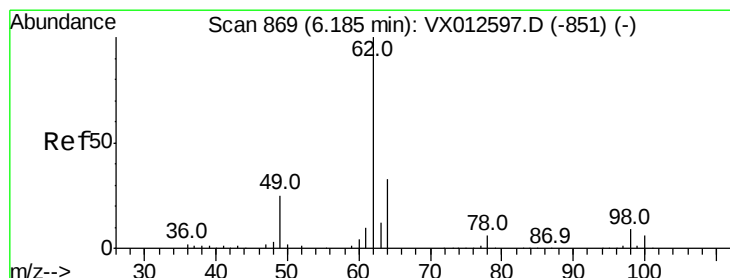
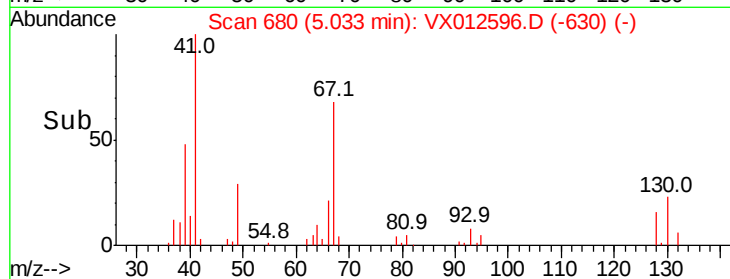
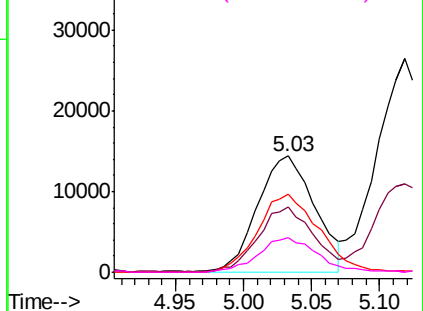
#41
Methacrylonitrile
Concen: 20.357 ug/l
RT: 5.03 min Scan# 680
Delta R.T. 0.01 min
Lab File: VX012596.D
Acq: 23 Sep 2019 10:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion:	41	Resp:	41834
Ion	Ratio	Lower	Upper
41	100		
39	55.3	44.2	66.4
67	72.6	55.2	82.8
52	31.2	22.9	34.3

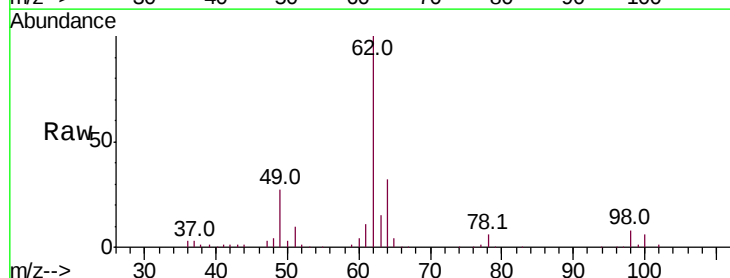


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

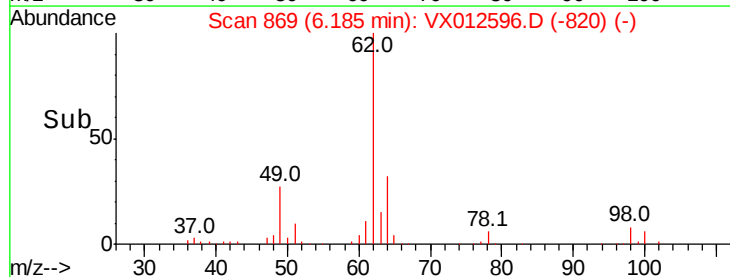
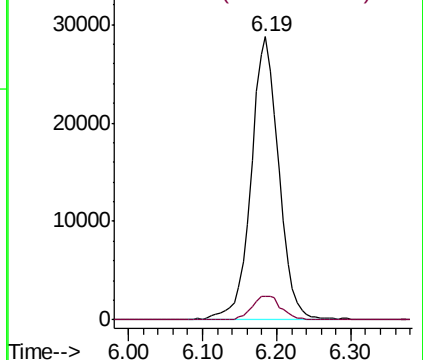


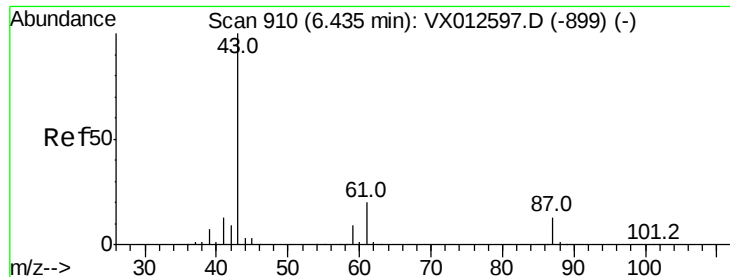
#42
1,2-Dichloroethane
Concen: 23.838 ug/l
RT: 6.19 min Scan# 869
Delta R.T. 0.00 min
Lab File: VX012596.D
Acq: 23 Sep 2019 10:56

Tgt Ion:	62	Resp:	74774
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.4



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 22.109 ug/l

RT: 6.44 min Scan# 910

Delta R.T. 0.00 min

Lab File: VX012596.D

Acq: 23 Sep 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

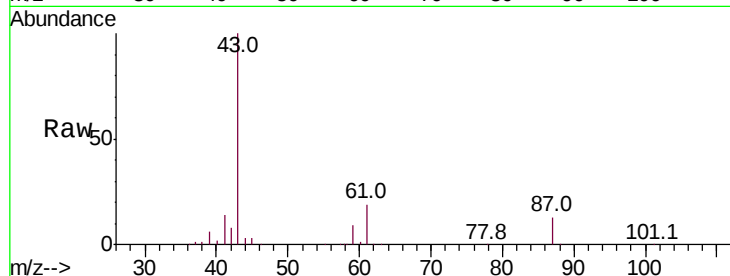
Tot Ion: 43 Resp: 127271

Ion Ratio Lower Upper

43 100

61 20.0 15.8 23.8

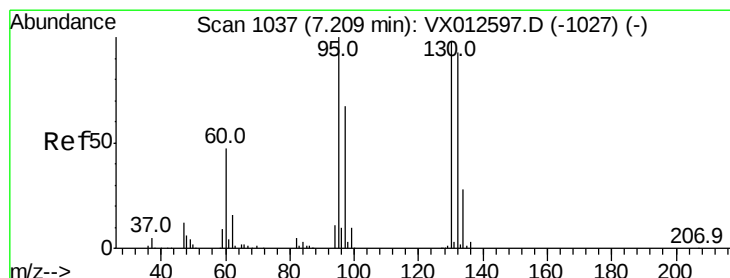
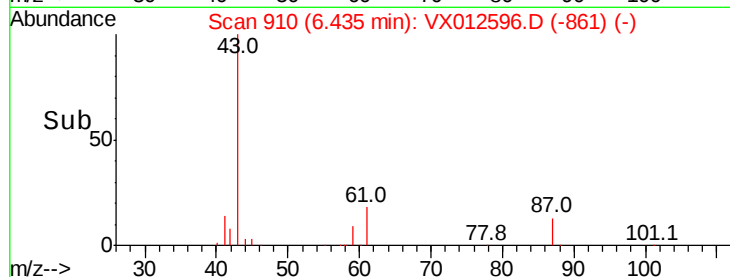
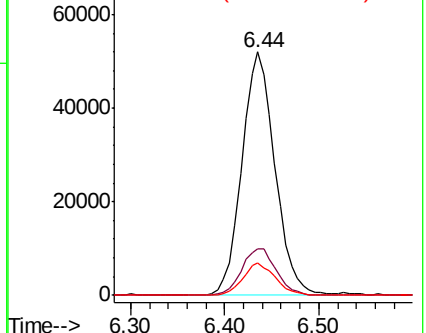
87 13.1 10.2 15.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 27.235 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VX012596.D

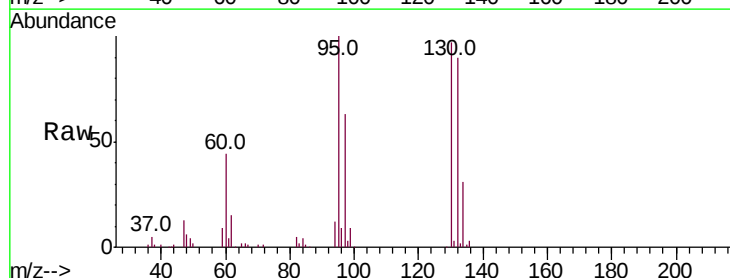
Acq: 23 Sep 2019 10:56

Tgt Ion:130 Resp: 49665

Ion Ratio Lower Upper

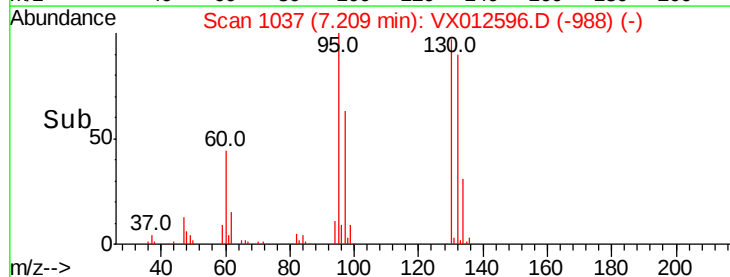
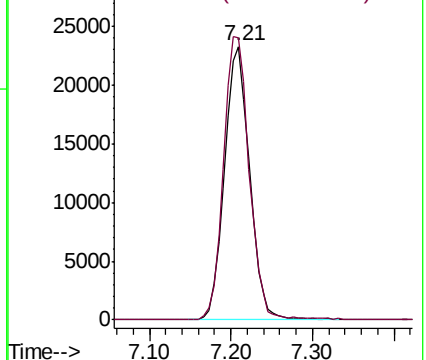
130 100

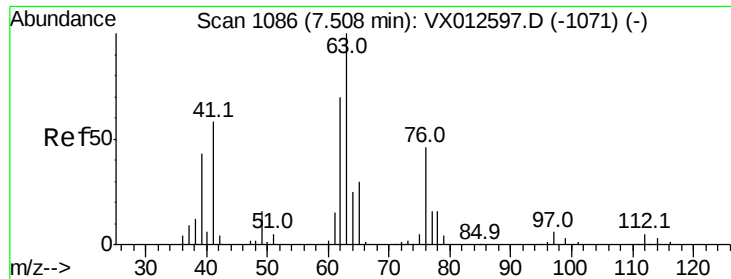
95 103.3 0.0 204.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 24.505 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX012596.D

Acq: 23 Sep 2019 10:56

Instrument :

MSVOA_X

ClientSampled :

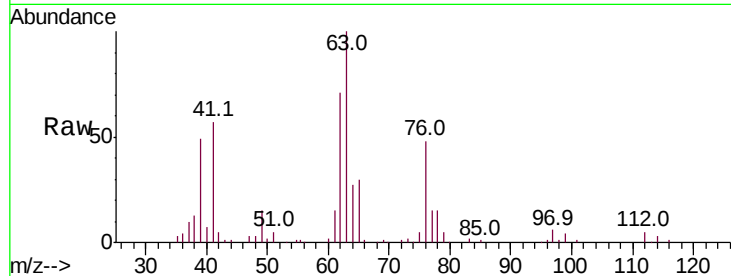
VSTDIC020

Tot Ion: 63 Resp: 51049

Ion Ratio Lower Upper

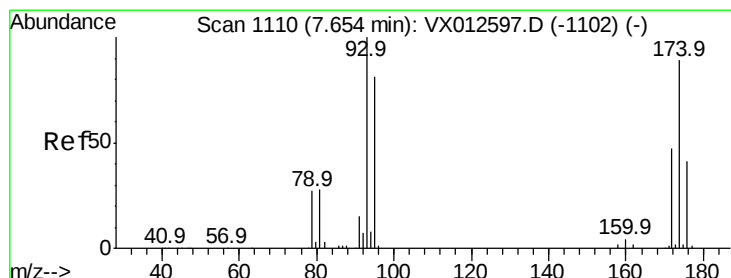
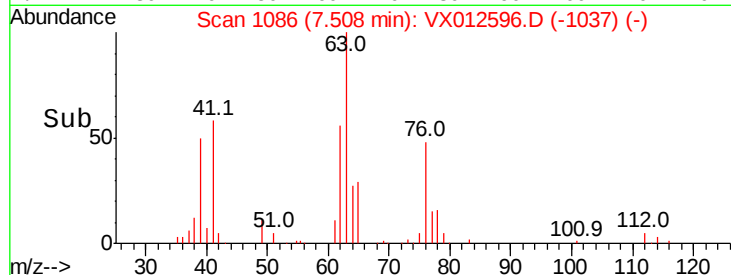
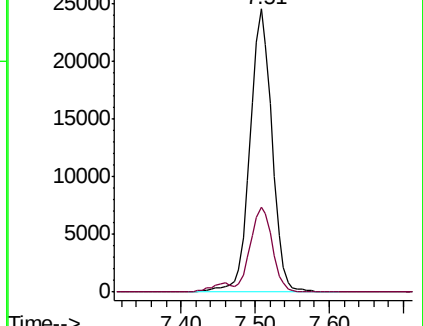
63 100

65 30.0 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 24.627 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VX012596.D

Acq: 23 Sep 2019 10:56

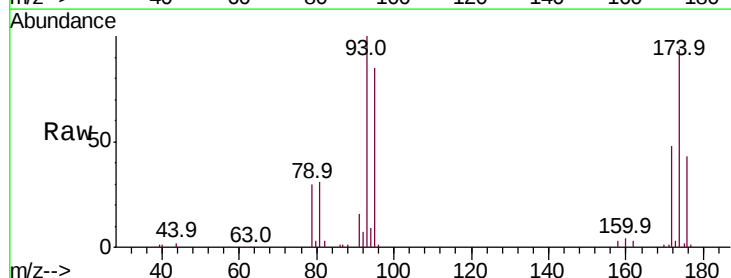
Tgt Ion: 93 Resp: 33428

Ion Ratio Lower Upper

93 100

95 83.0 65.4 98.0

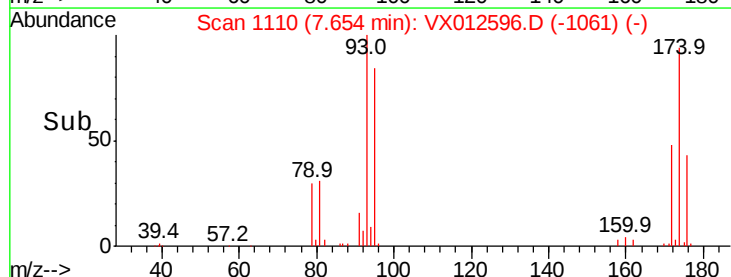
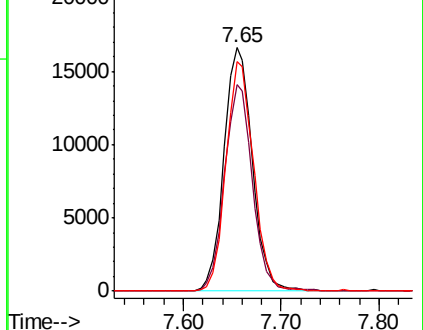
174 91.5 72.0 108.0

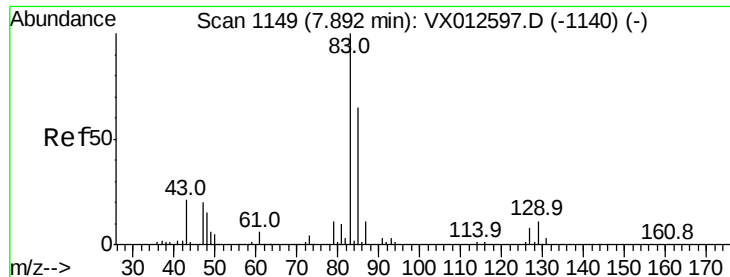


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 22.844 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX012596.D

Acq: 23 Sep 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

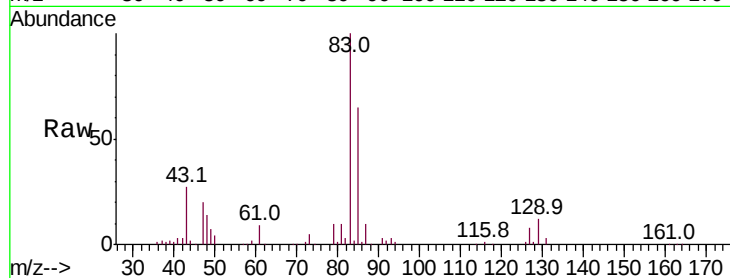
Tot Ion: 83 Resp: 67691

Ion Ratio Lower Upper

83 100

85 64.7 51.8 77.6

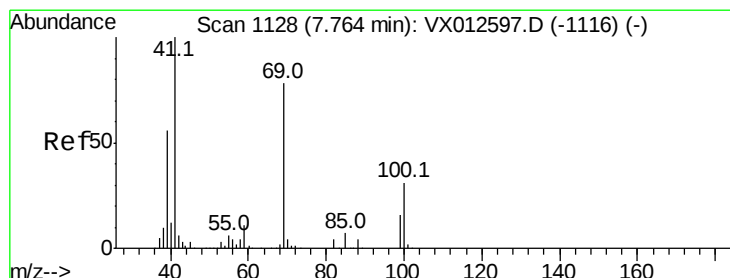
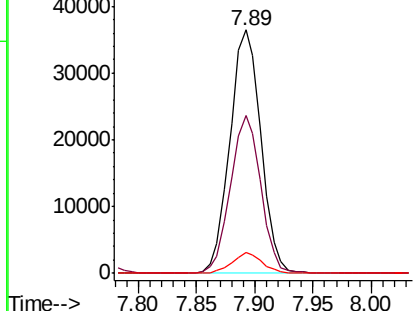
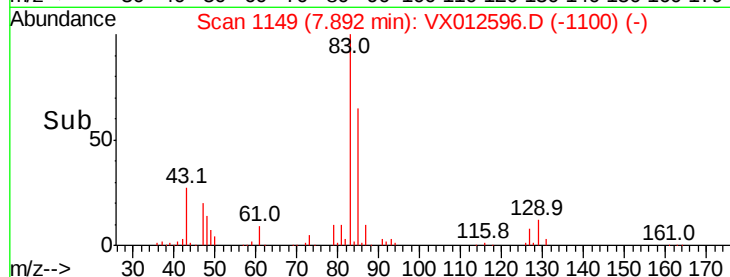
127 8.5 6.2 9.4



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 22.533 ug/l

RT: 7.76 min Scan# 1128

Delta R.T. 0.00 min

Lab File: VX012596.D

Acq: 23 Sep 2019 10:56

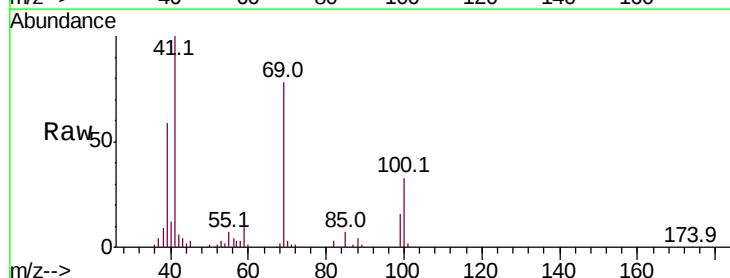
Tgt Ion: 41 Resp: 61519

Ion Ratio Lower Upper

41 100

69 80.4 62.6 93.8

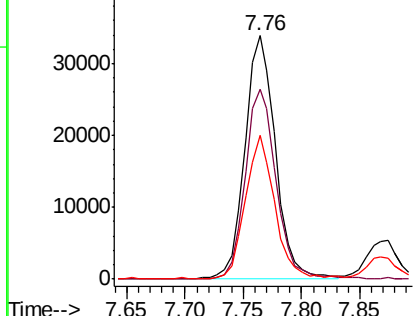
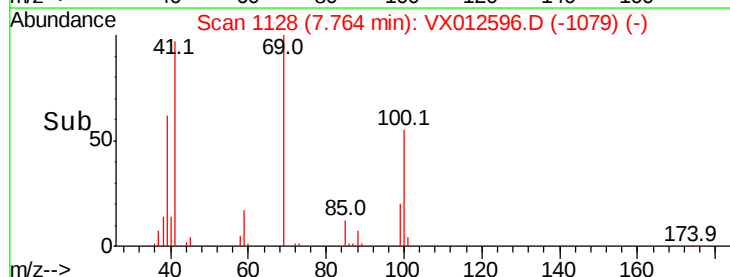
39 56.5 44.4 66.6

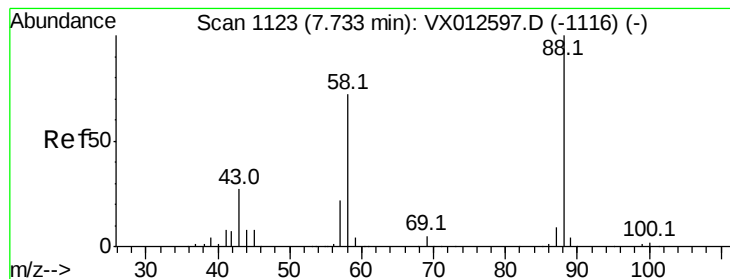


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 434.183 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VX012596.D

Acq: 23 Sep 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

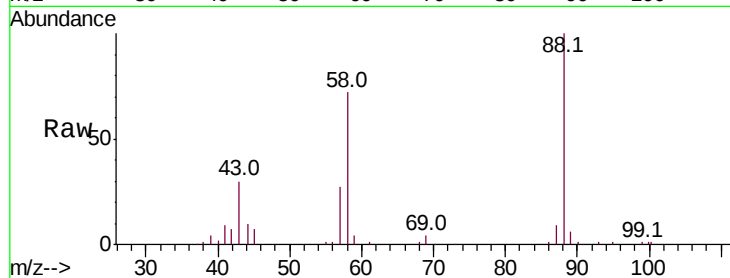
Tot Ion: 88 Resp: 28757

Ion Ratio Lower Upper

88 100

43 36.2 27.6 41.4

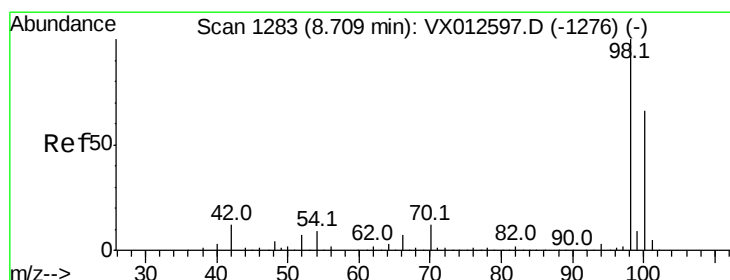
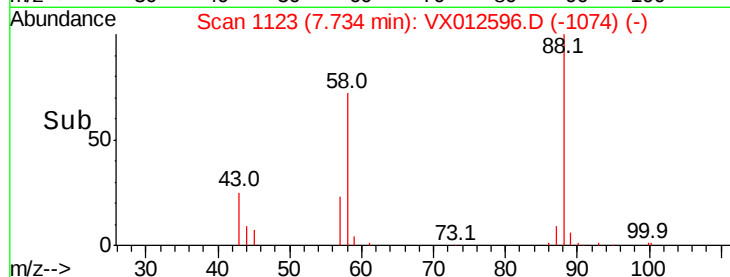
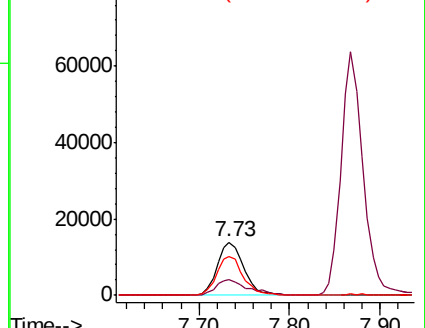
58 72.5 57.1 85.7



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



#50

Toluene-d8

Concen: 19.434 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX012596.D

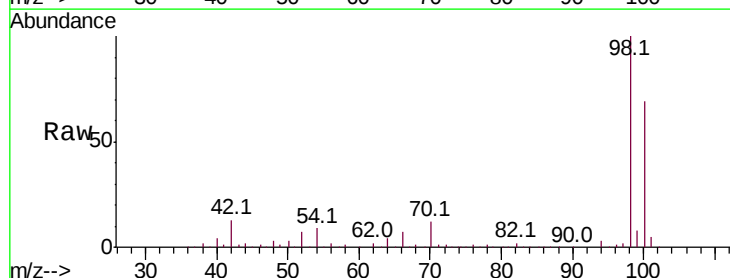
Acq: 23 Sep 2019 10:56

Tgt Ion: 98 Resp: 150752

Ion Ratio Lower Upper

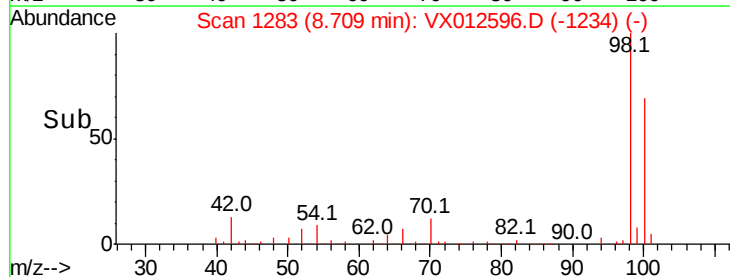
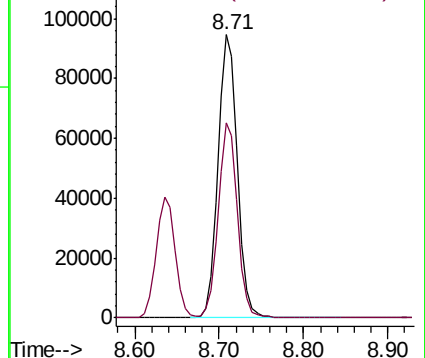
98 100

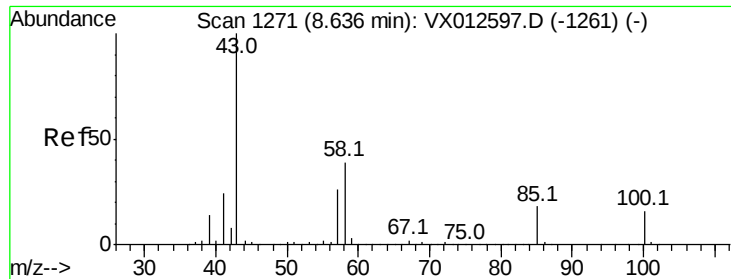
100 67.8 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 107.623 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX012596.D

Acq: 23 Sep 2019 10:56

Instrument :

MSVOA_X

ClientSampleID :

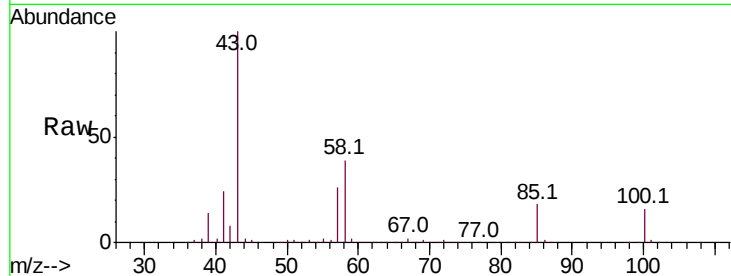
VSTDIC020

Tot Ion: 43 Resp: 402680

Ion Ratio Lower Upper

43 100

58 38.6 31.4 47.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.64

250000

200000

150000

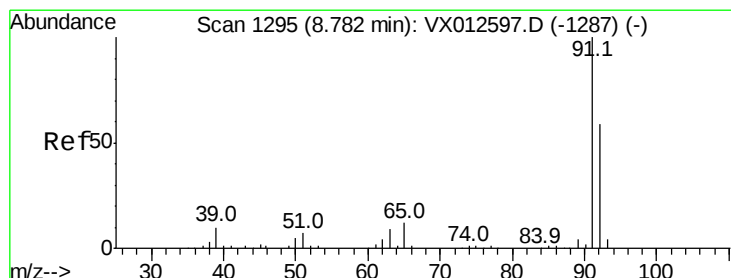
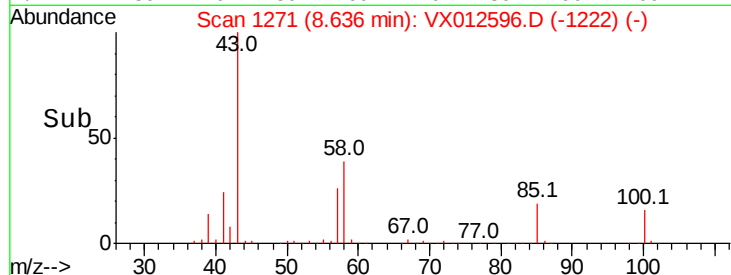
100000

50000

0

8.55 8.60 8.65 8.70

Time-->



#52

Toluene

Concen: 27.370 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX012596.D

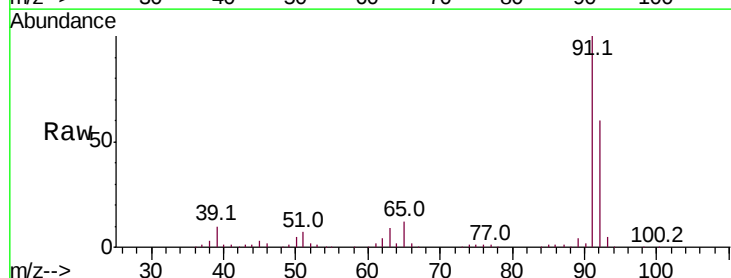
Acq: 23 Sep 2019 10:56

Tgt Ion: 92 Resp: 122933

Ion Ratio Lower Upper

92 100

91 167.3 134.2 201.4



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

150000

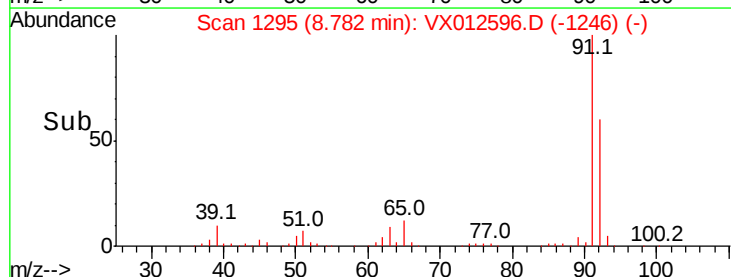
100000

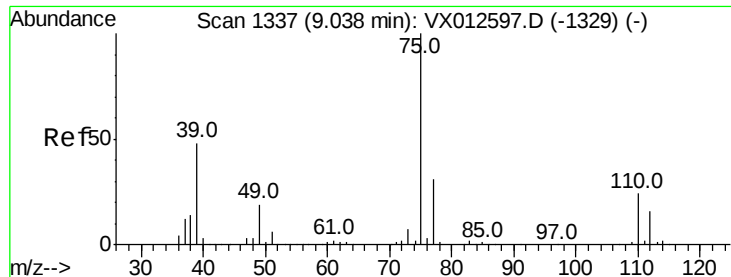
50000

0

8.70 8.75 8.80 8.85 8.90

Time-->

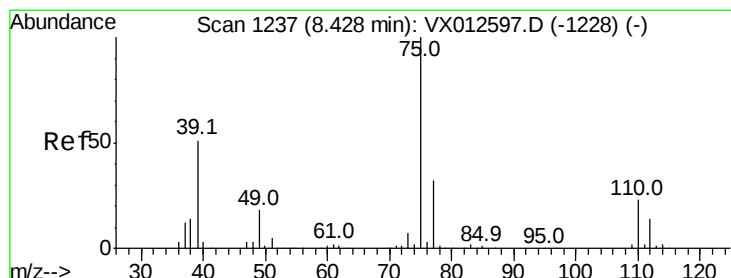
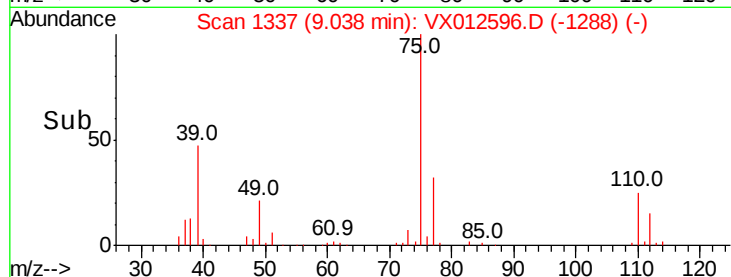
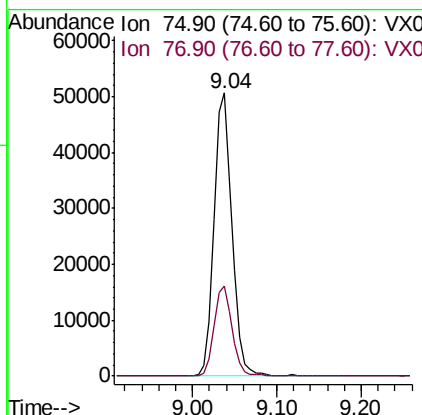
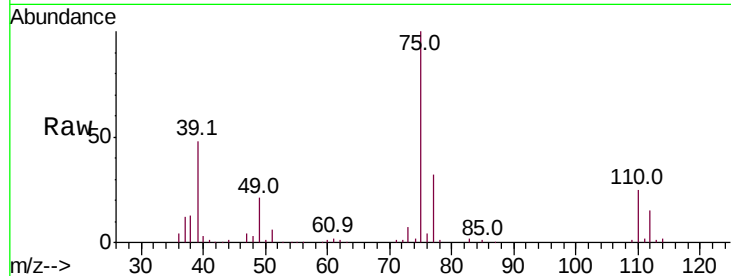




#53
 t-1,3-Dichloropropene
 Concen: 24.068 ug/l
 RT: 9.04 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VX012596.D
 Acq: 23 Sep 2019 10:56

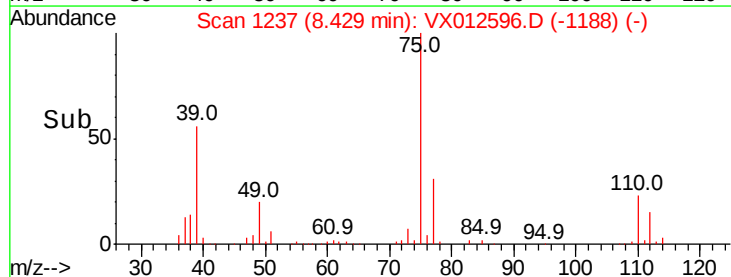
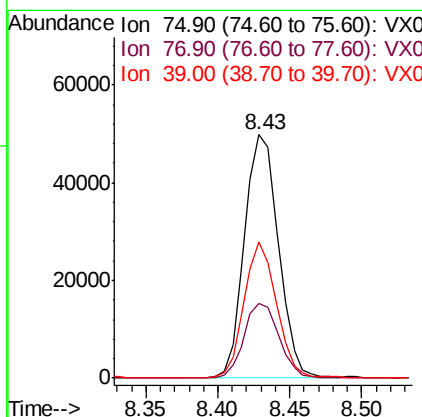
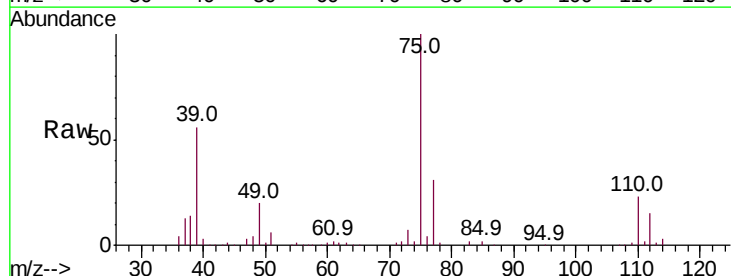
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

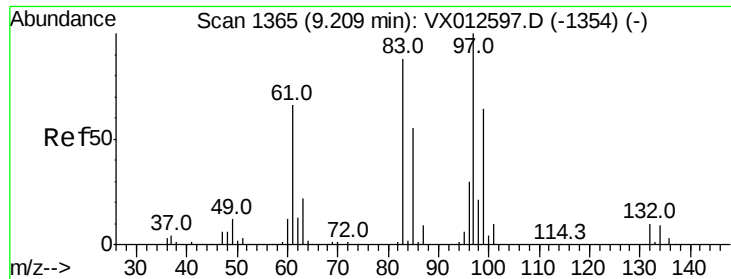
Tot Ion: 75 Resp: 74884
 Ion Ratio Lower Upper
 75 100
 77 31.7 24.9 37.3



#54
 cis-1,3-Dichloropropene
 Concen: 25.079 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. 0.00 min
 Lab File: VX012596.D
 Acq: 23 Sep 2019 10:56

Tgt Ion: 75 Resp: 81554
 Ion Ratio Lower Upper
 75 100
 77 30.5 25.5 38.3
 39 56.1 40.7 61.1



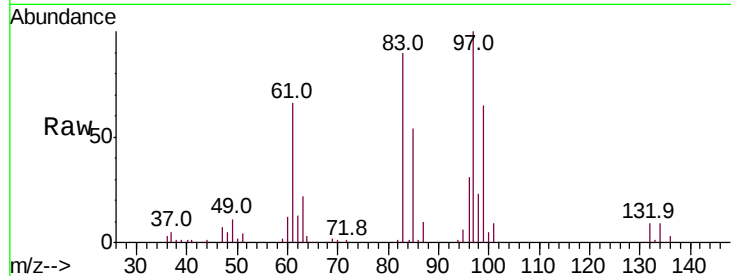


#55
 1,1,2-Trichloroethane
 Concen: 22.097 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX012596.D
 Acq: 23 Sep 2019 10:56

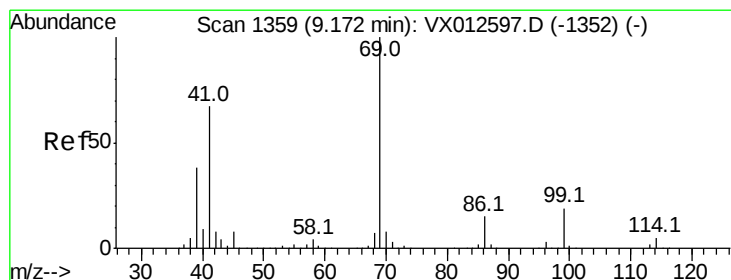
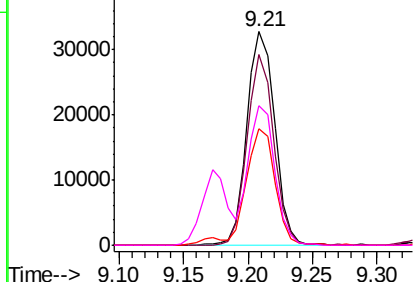
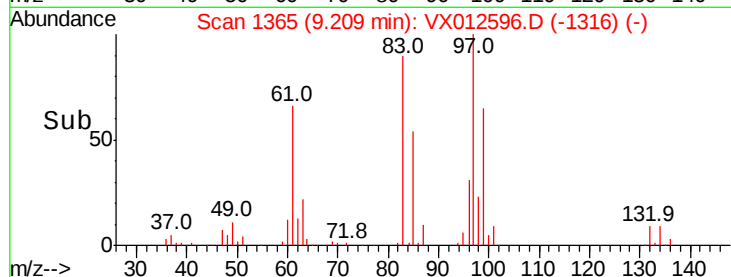
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion: 97 Resp: 48895

Ion	Ratio	Lower	Upper
97	100		
83	89.6	70.5	105.7
85	54.4	43.9	65.9
99	65.0	51.2	76.8



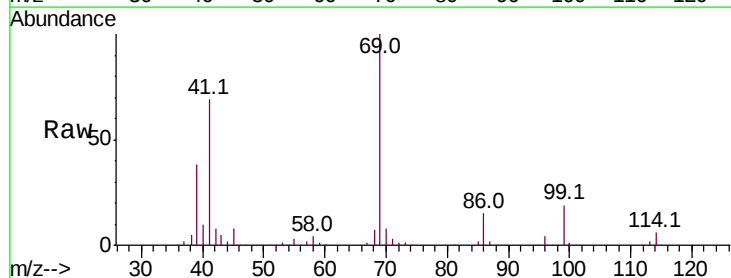
Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0



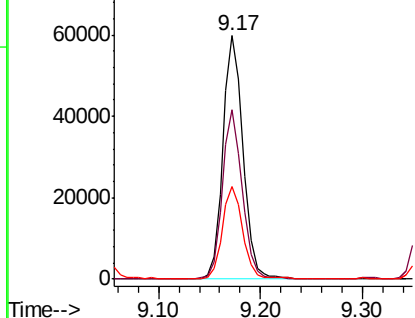
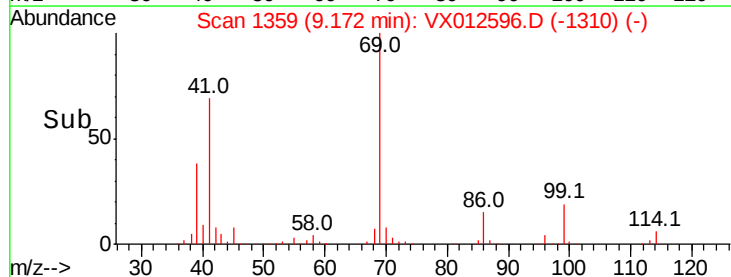
#56
 Ethyl methacrylate
 Concen: 23.484 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX012596.D
 Acq: 23 Sep 2019 10:56

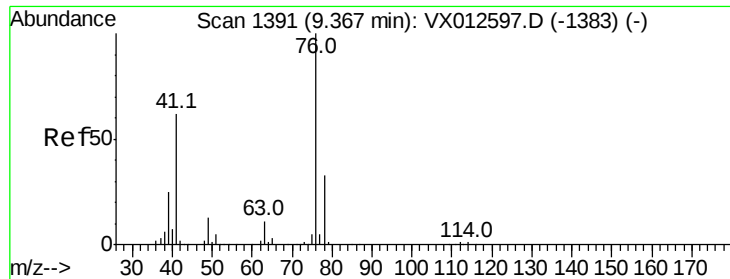
Tgt Ion: 69 Resp: 82181

Ion	Ratio	Lower	Upper
69	100		
41	68.6	54.7	82.1
39	37.9	30.6	46.0



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





#57

1,3-Dichloropropane

Concen: 24.117 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX012596.D

Acq: 23 Sep 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

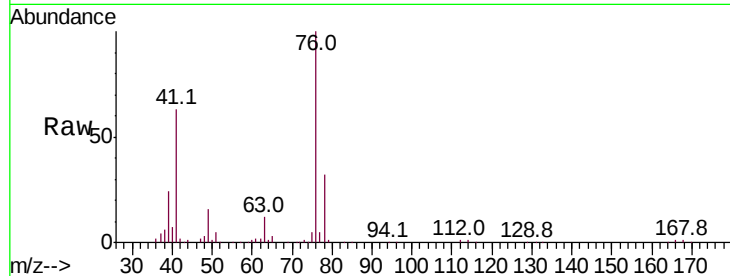
VSTDIC020

Tot Ion: 76 Resp: 86101

Ion Ratio Lower Upper

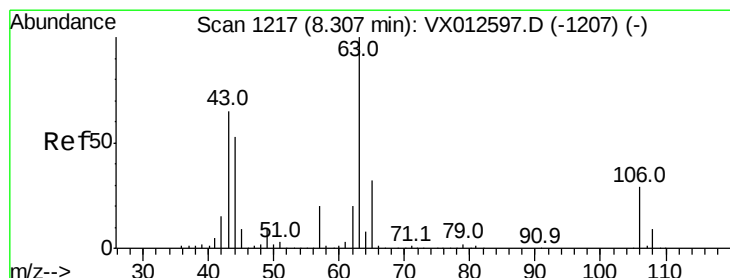
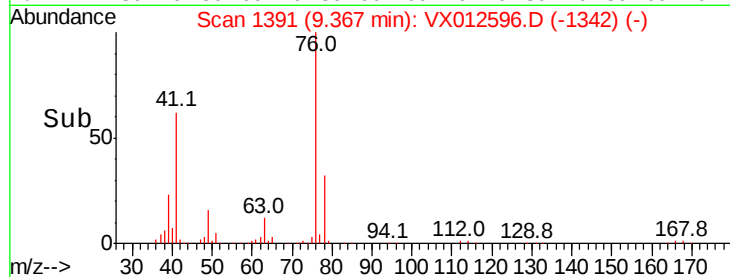
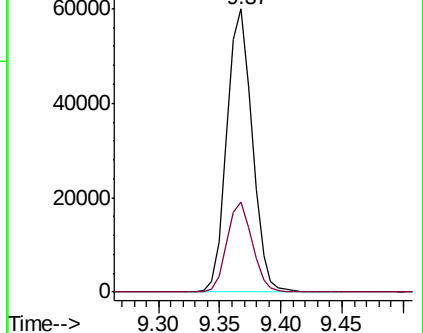
76 100

78 31.8 26.0 39.0



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 104.964 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VX012596.D

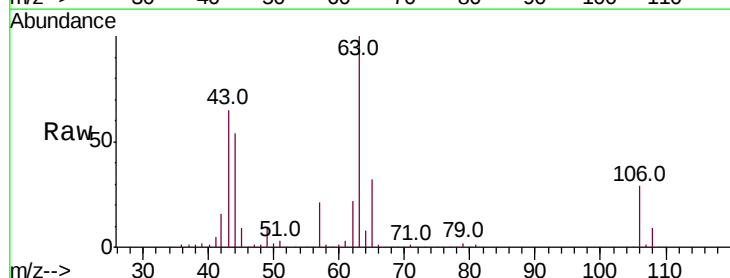
Acq: 23 Sep 2019 10:56

Tgt Ion: 63 Resp: 187915

Ion Ratio Lower Upper

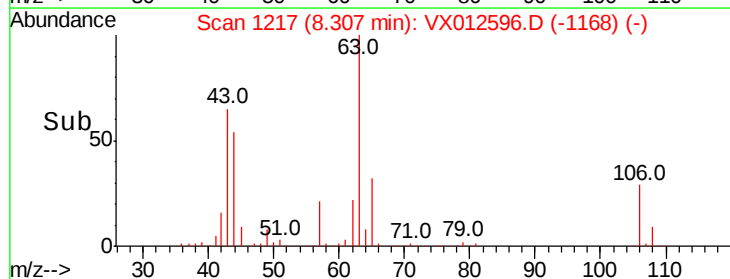
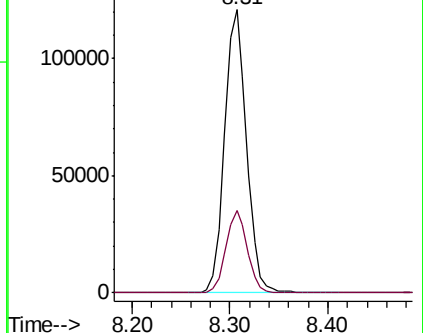
63 100

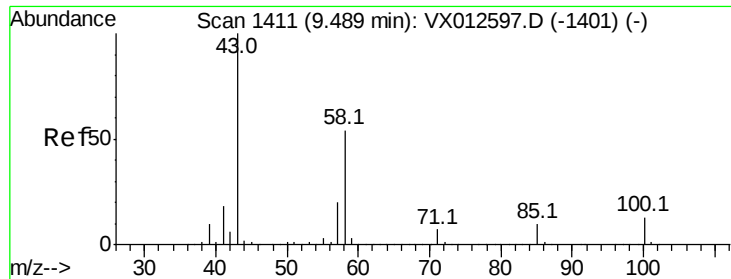
106 28.4 23.2 34.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

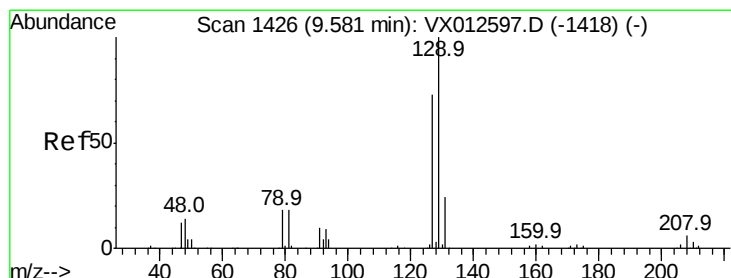
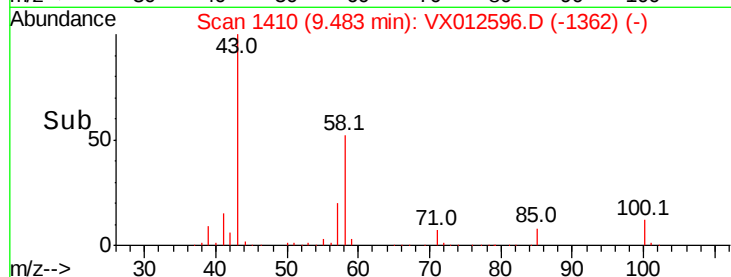
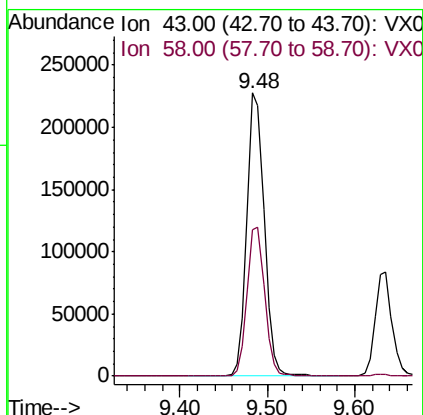
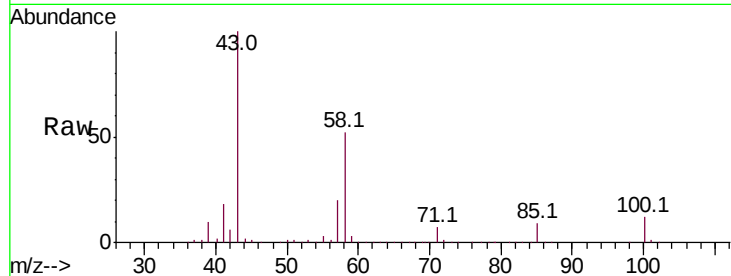




#59
2-Hexanone
Concen: 108.084 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.01 min
Lab File: VX012596.D
Acq: 23 Sep 2019 10:56

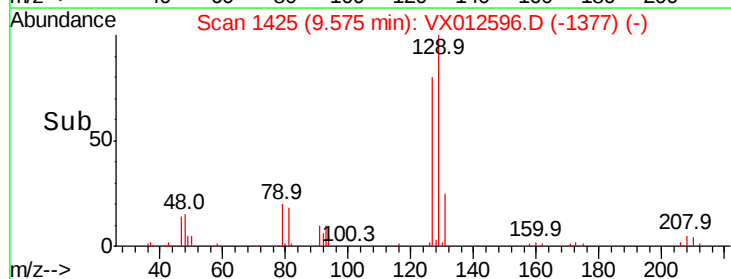
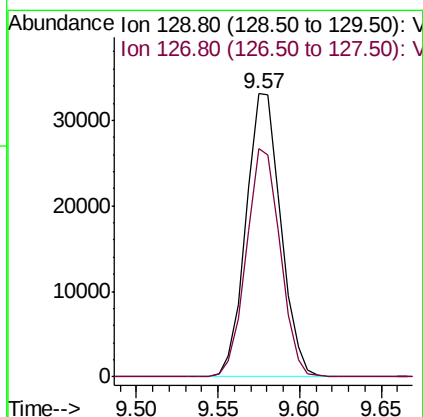
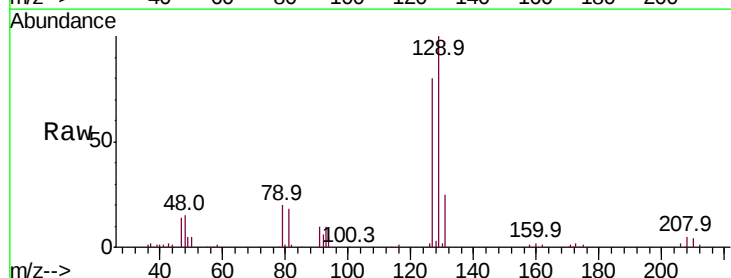
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

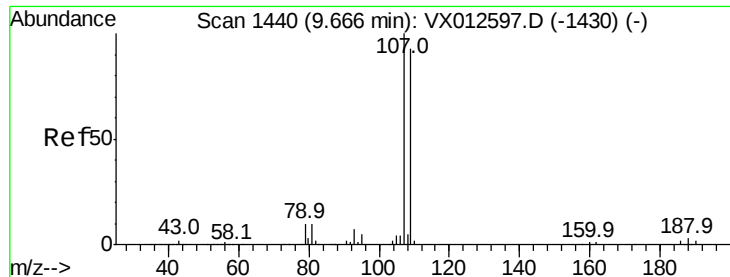
Tot Ion: 43 Resp: 315863
Ion Ratio Lower Upper
43 100
58 53.0 26.8 80.4



#60
Dibromochloromethane
Concen: 22.091 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.01 min
Lab File: VX012596.D
Acq: 23 Sep 2019 10:56

Tgt Ion: 129 Resp: 49483
Ion Ratio Lower Upper
129 100
127 78.3 38.9 116.7





#61

1,2-Dibromoethane

Concen: 24.946 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX012596.D

Acq: 23 Sep 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

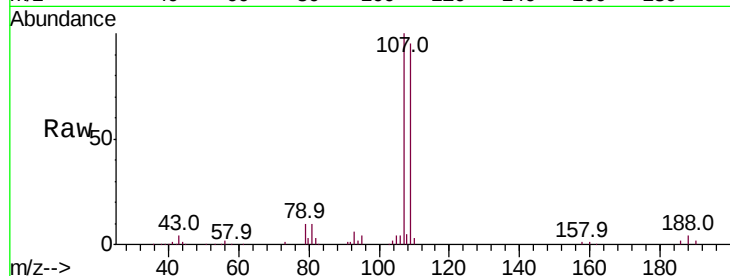
VSTDIC020

Tot Ion:107 Resp: 51285

Ion Ratio Lower Upper

107 100

109 94.2 74.3 111.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

40000

30000

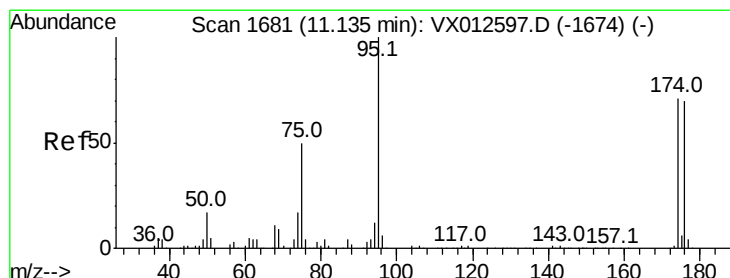
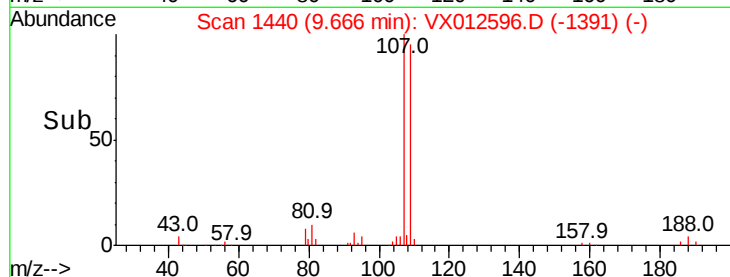
20000

10000

0

9.60 9.65 9.70 9.75

Time-->



#62

4-Bromofluorobenzene

Concen: 18.185 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012596.D

Acq: 23 Sep 2019 10:56

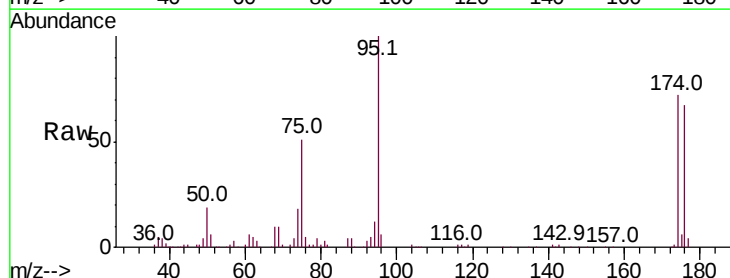
Tgt Ion: 95 Resp: 57954

Ion Ratio Lower Upper

95 100

174 66.5 0.0 134.6

176 63.7 0.0 132.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

60000

50000

40000

30000

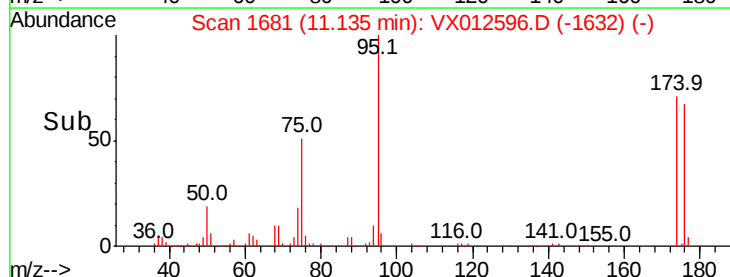
20000

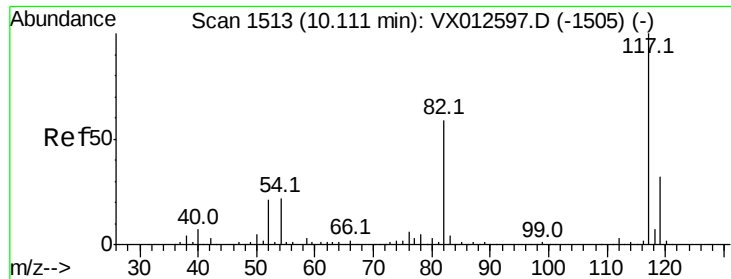
10000

0

11.10 11.14 11.20

Time-->

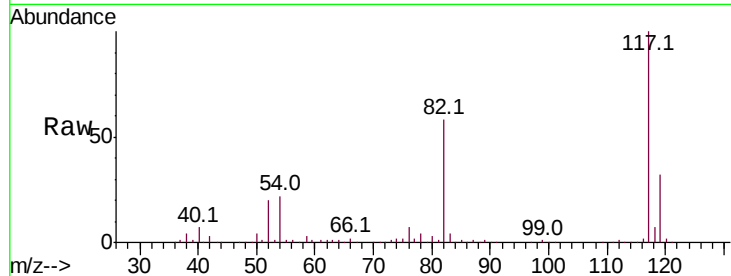




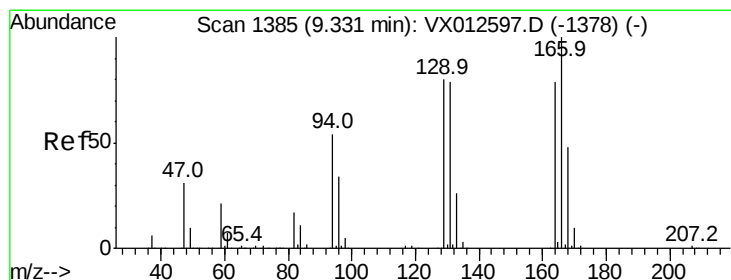
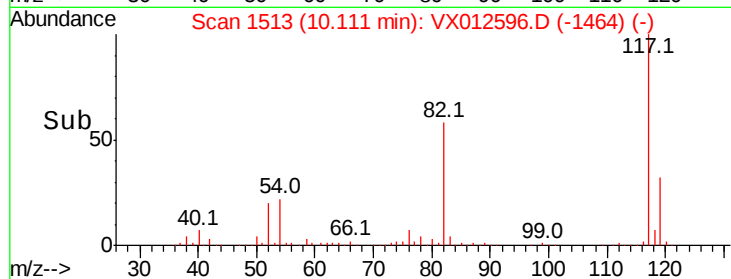
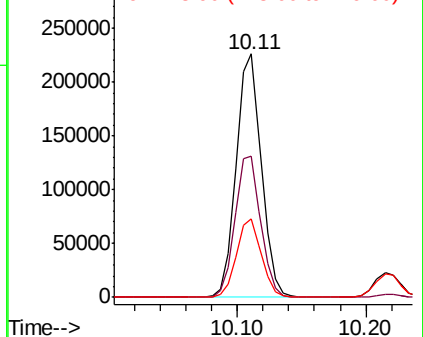
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012596.D
Acq: 23 Sep 2019 10:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion:117 Resp: 307540
Ion Ratio Lower Upper
117 100
82 57.8 47.0 70.4
119 32.3 25.8 38.6

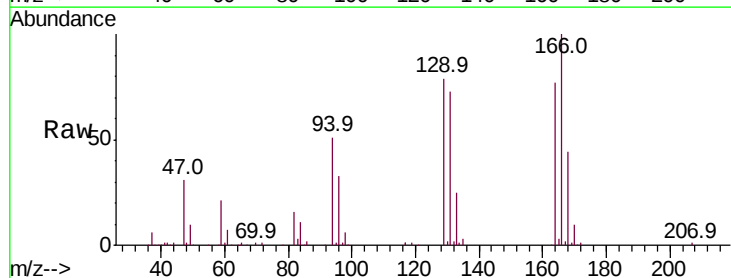


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

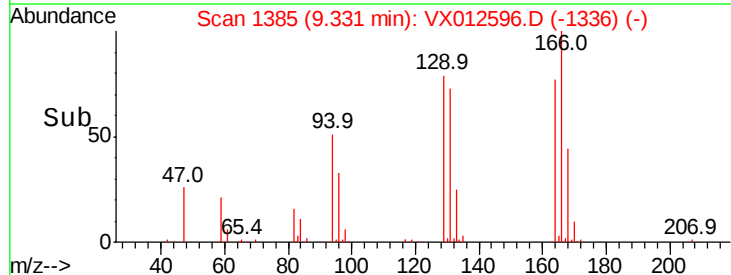
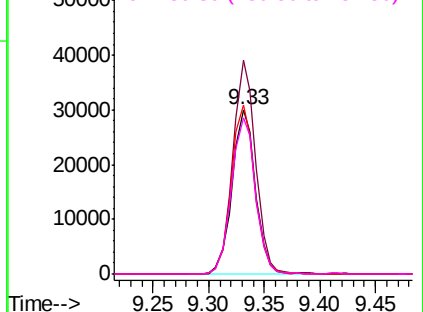


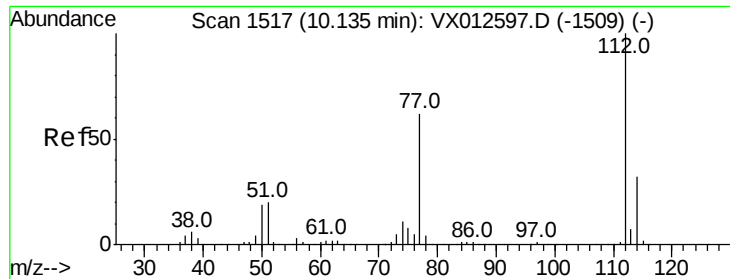
#64
Tetrachloroethene
Concen: 28.892 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX012596.D
Acq: 23 Sep 2019 10:56

Tgt Ion:164 Resp: 43335
Ion Ratio Lower Upper
164 100
166 130.2 101.3 151.9
129 102.7 81.1 121.7
131 95.3 80.0 120.0



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

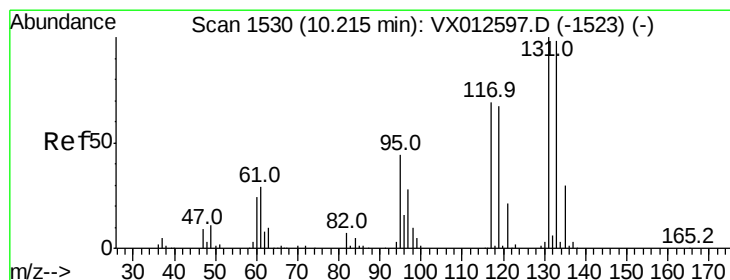
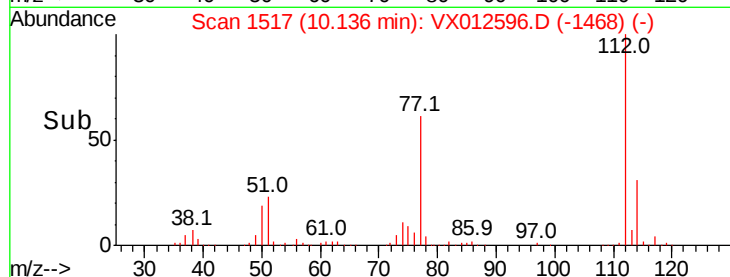
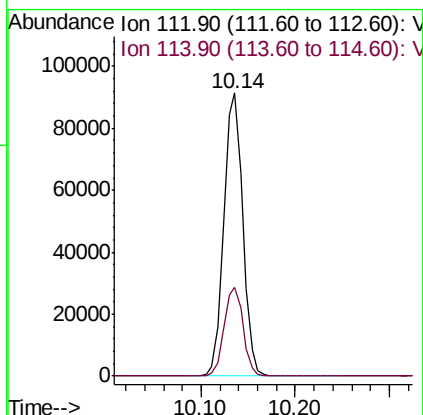
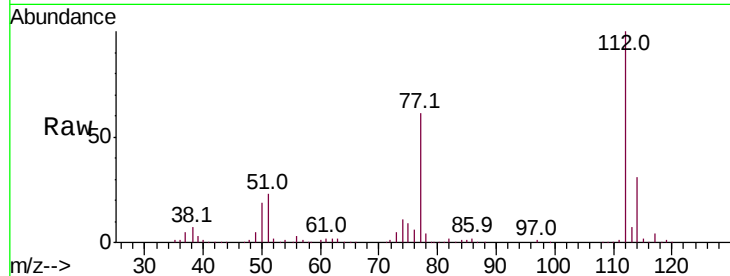




#65
Chlorobenzene
Concen: 24.273 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX012596.D
Acq: 23 Sep 2019 10:56

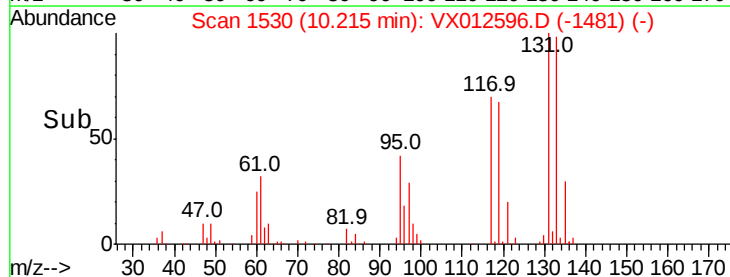
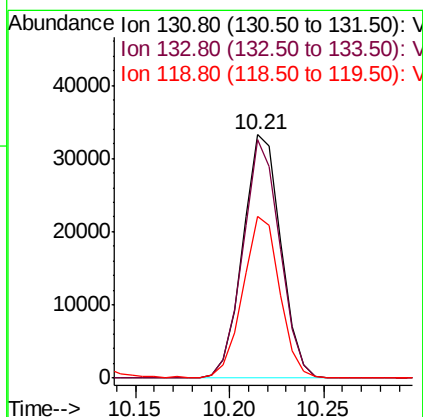
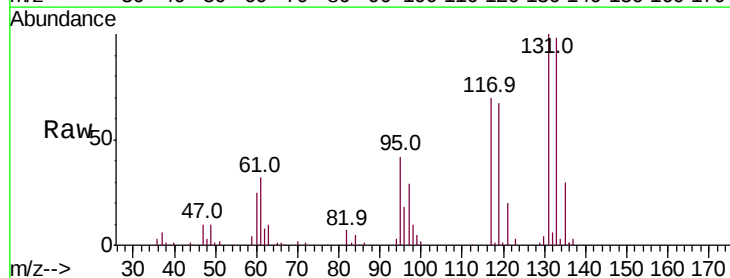
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

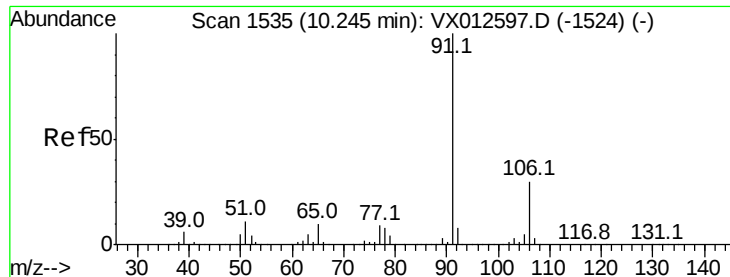
Tot Ion:112 Resp: 126981
Ion Ratio Lower Upper
112 100
114 31.2 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 22.014 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VX012596.D
Acq: 23 Sep 2019 10:56

Tgt Ion:131 Resp: 46473
Ion Ratio Lower Upper
131 100
133 95.3 48.0 144.2
119 64.6 33.0 99.0





#67

Ethyl Benzene

Concen: 25.938 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX012596.D

Acq: 23 Sep 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

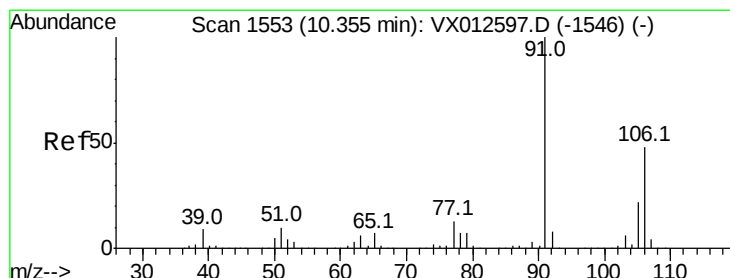
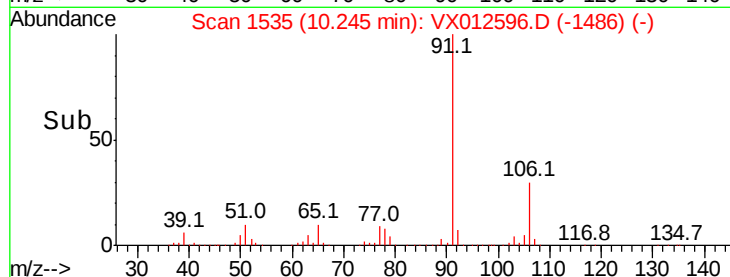
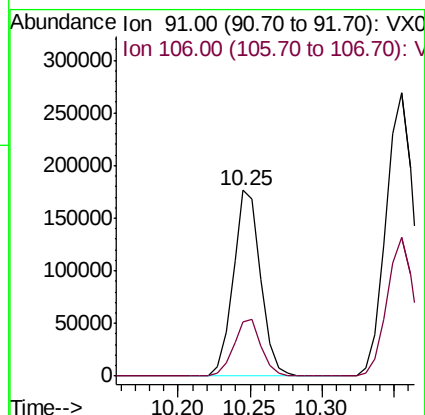
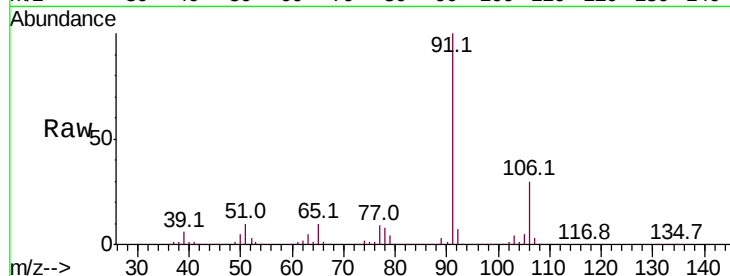
VSTDIC020

Tot Ion: 91 Resp: 234978

Ion Ratio Lower Upper

91 100

106 29.5 23.8 35.6



#68

m/p-Xylenes

Concen: 52.142 ug/l

RT: 10.36 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX012596.D

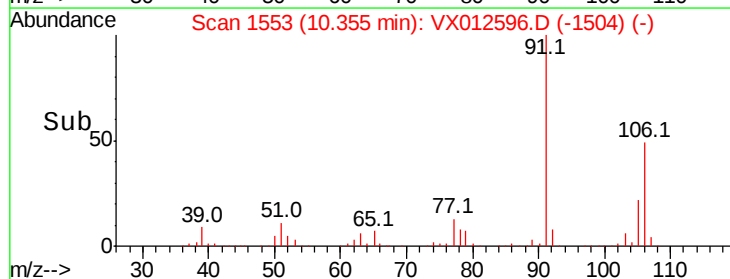
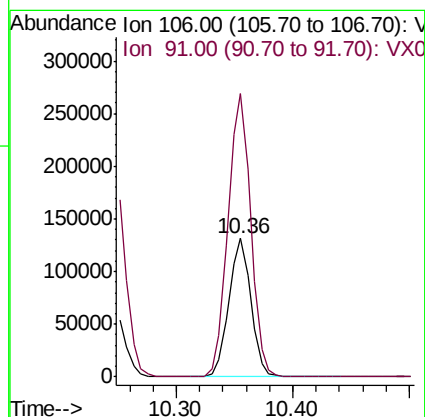
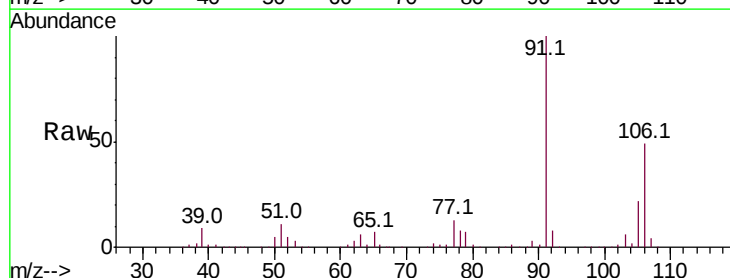
Acq: 23 Sep 2019 10:56

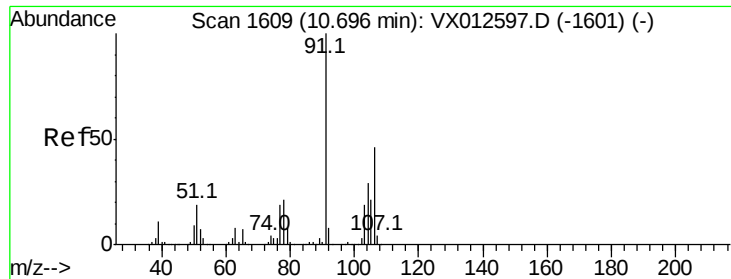
Tgt Ion: 106 Resp: 172968

Ion Ratio Lower Upper

106 100

91 210.5 167.3 250.9

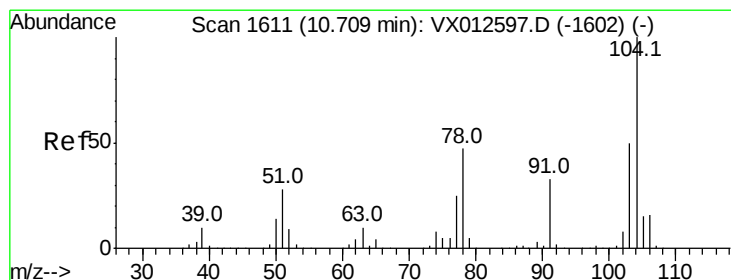
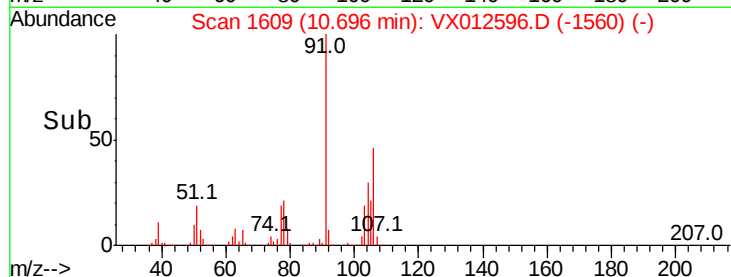
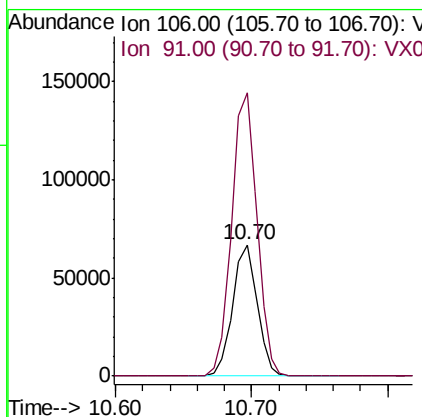
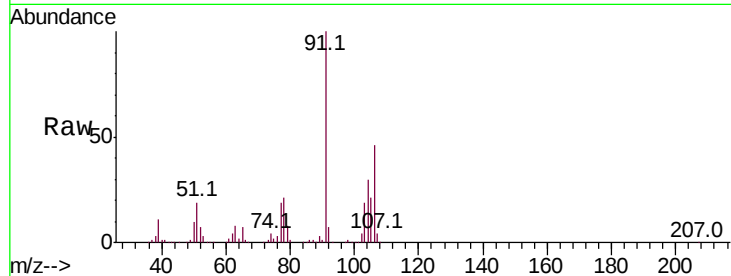




#69
o-Xylene
Concen: 25.165 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX012596.D
Acq: 23 Sep 2019 10:56

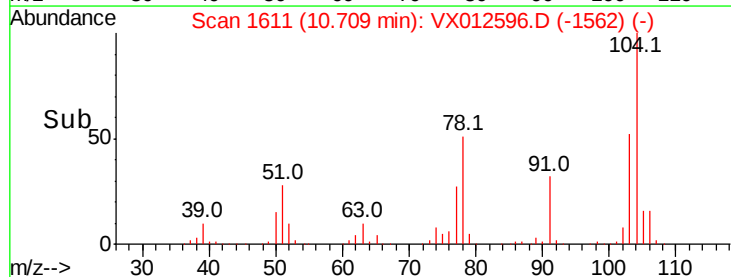
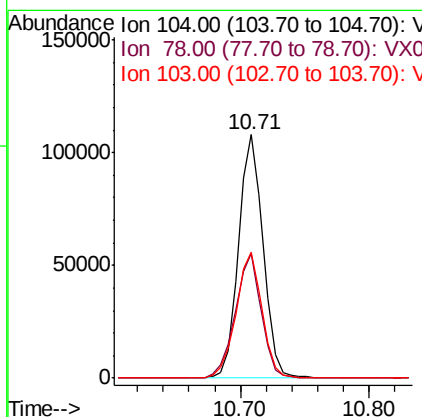
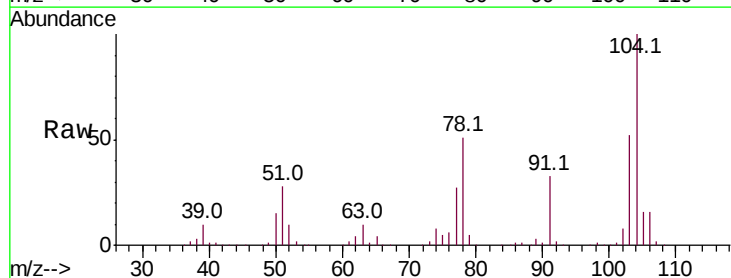
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

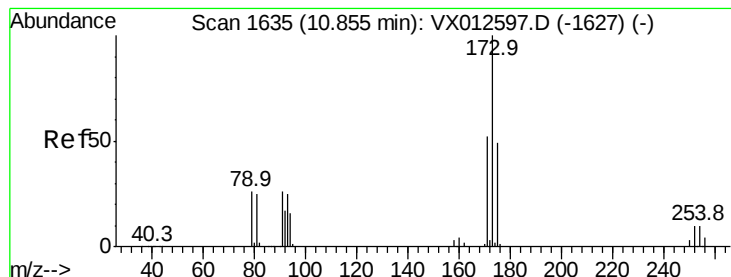
Tot Ion:106 Resp: 84678
Ion Ratio Lower Upper
106 100
91 221.3 110.3 331.0



#70
Styrene
Concen: 23.970 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX012596.D
Acq: 23 Sep 2019 10:56

Tgt Ion:104 Resp: 141728
Ion Ratio Lower Upper
104 100
78 54.7 43.4 65.2
103 55.1 43.4 65.2





#71

Bromoform

Concen: 20.392 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX012596.D

Acq: 23 Sep 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

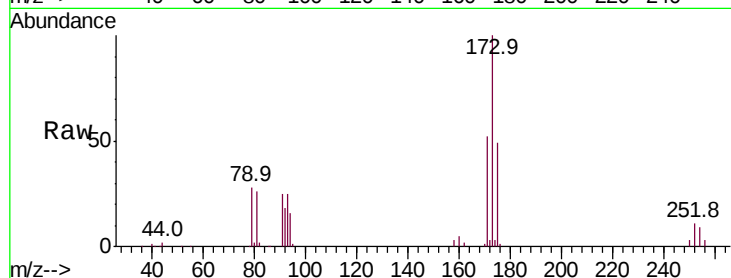
Tot Ion:173 Resp: 31754

Ion Ratio Lower Upper

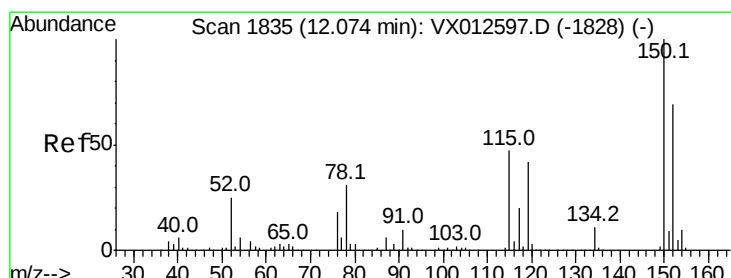
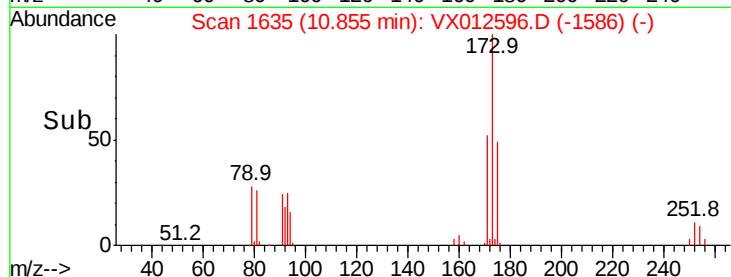
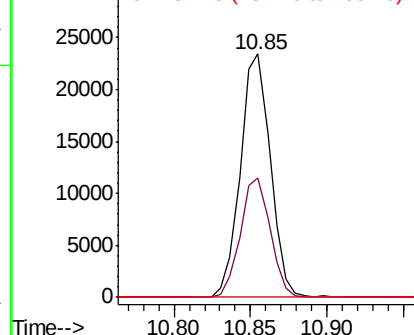
173 100

175 49.1 24.6 73.8

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012596.D

Acq: 23 Sep 2019 10:56

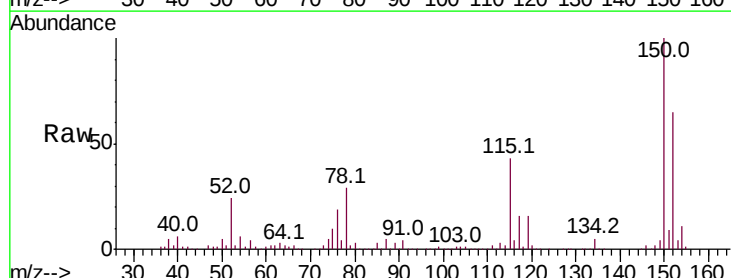
Tgt Ion:152 Resp: 139480

Ion Ratio Lower Upper

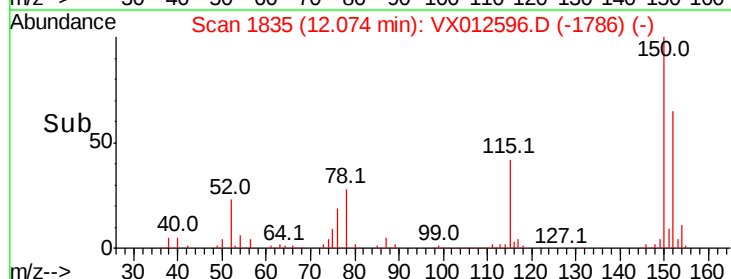
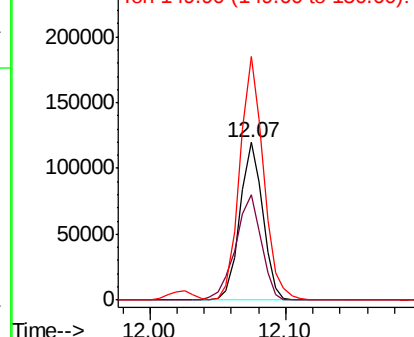
152 100

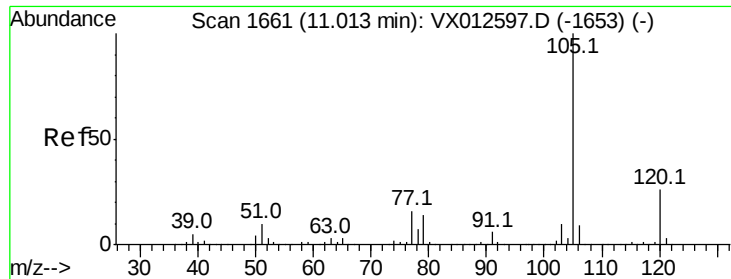
115 75.4 45.2 135.6

150 160.2 0.0 346.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 25.363 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX012596.D

Acq: 23 Sep 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

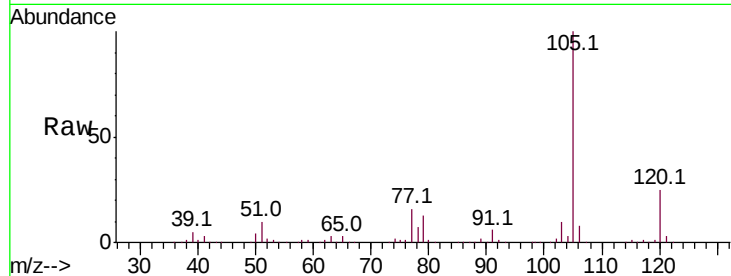
VSTDIC020

Tot Ion:105 Resp: 228513

Ion Ratio Lower Upper

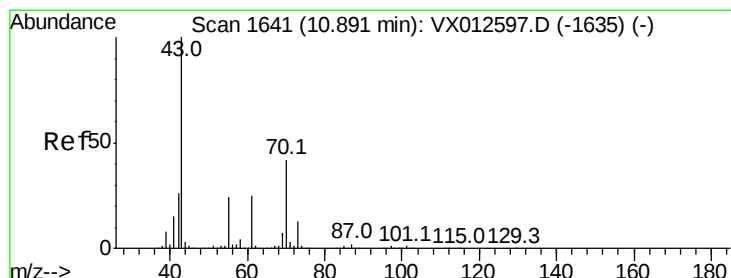
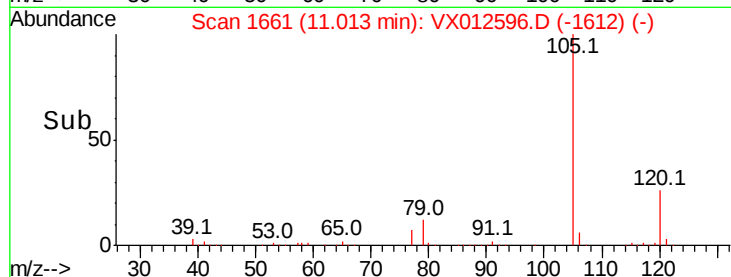
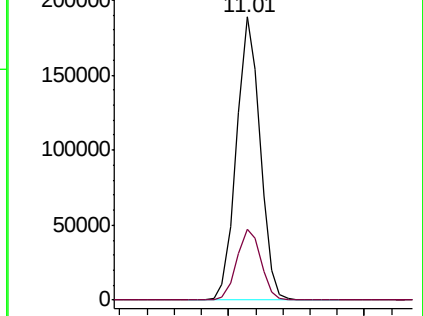
105 100

120 25.6 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 22.588 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX012596.D

Acq: 23 Sep 2019 10:56

Tgt Ion: 43 Resp: 107400

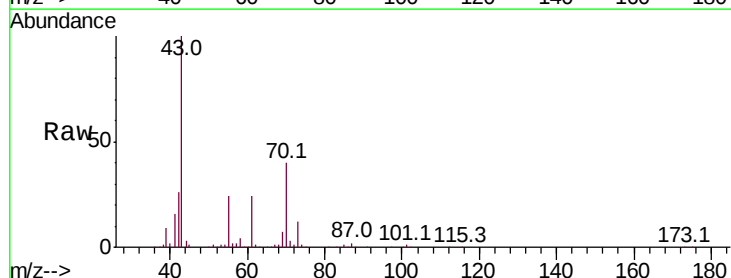
Ion Ratio Lower Upper

43 100

70 41.8 33.8 50.8

55 24.4 19.2 28.8

61 24.1 19.4 29.0

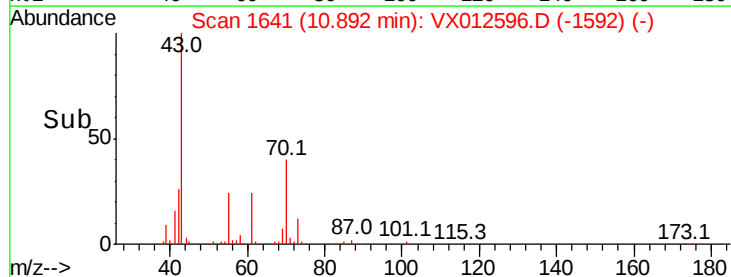
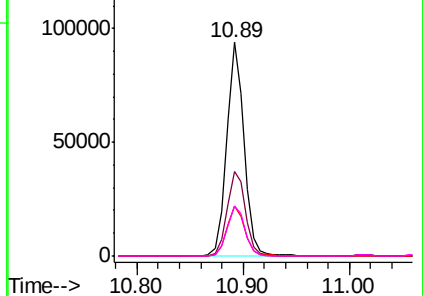


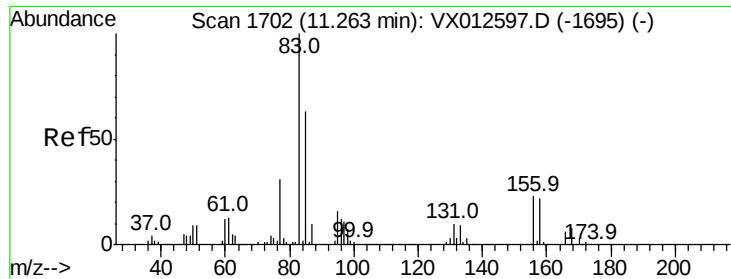
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.558 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX012596.D

Acq: 23 Sep 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

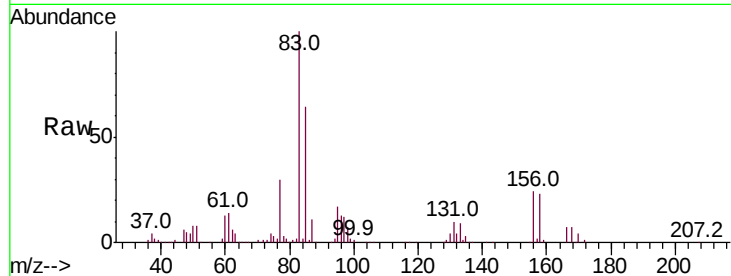
Tot Ion: 83 Resp: 74094

Ion Ratio Lower Upper

83 100

131 9.7 5.1 15.4

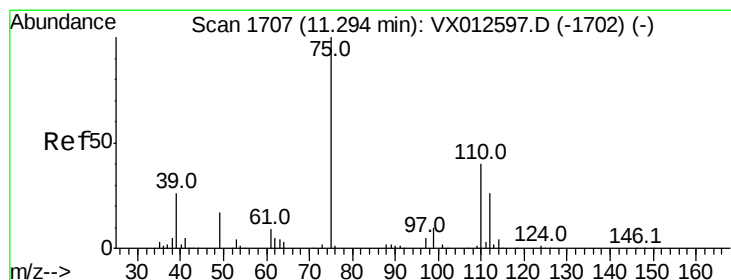
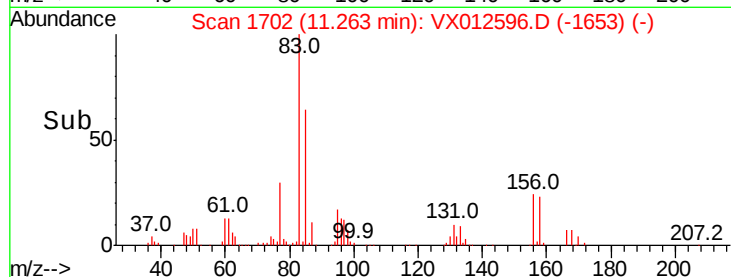
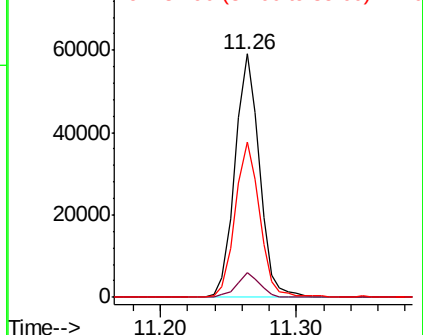
85 64.5 32.0 96.2



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 28.246 ug/l

RT: 11.29 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX012596.D

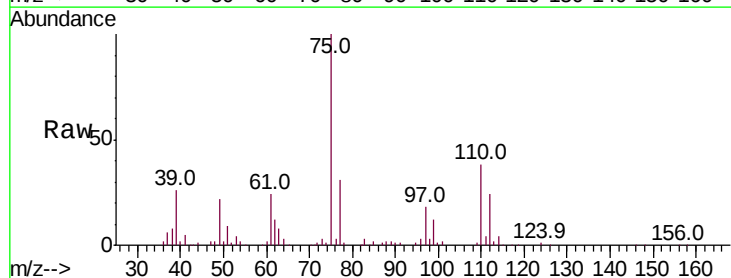
Acq: 23 Sep 2019 10:56

Tgt Ion: 75 Resp: 91153

Ion Ratio Lower Upper

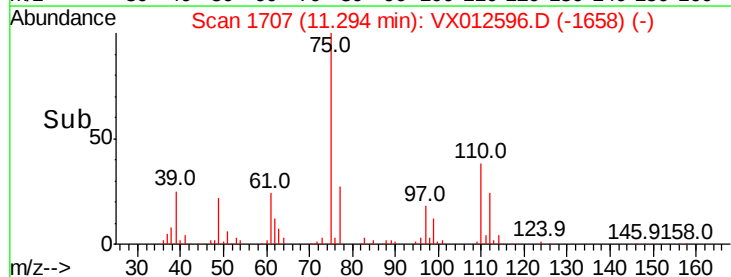
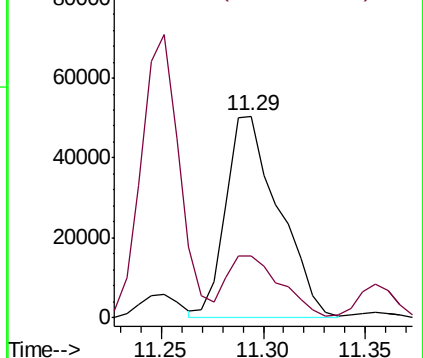
75 100

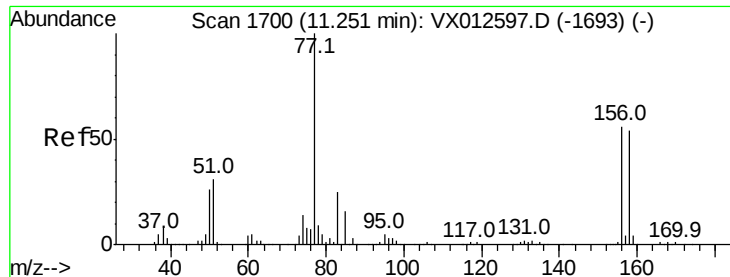
77 31.3 19.3 57.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 23.476 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX012596.D

Acq: 23 Sep 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

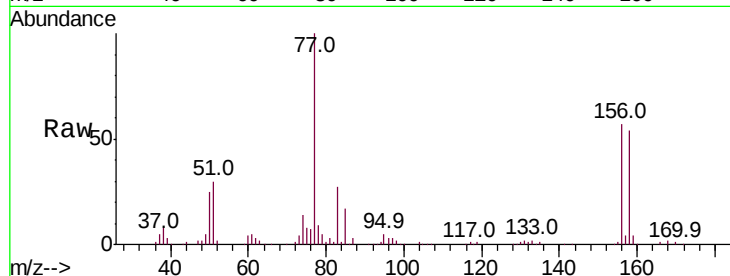
Tot Ion:156 Resp: 50901

Ion Ratio Lower Upper

156 100

77 181.2 91.2 273.6

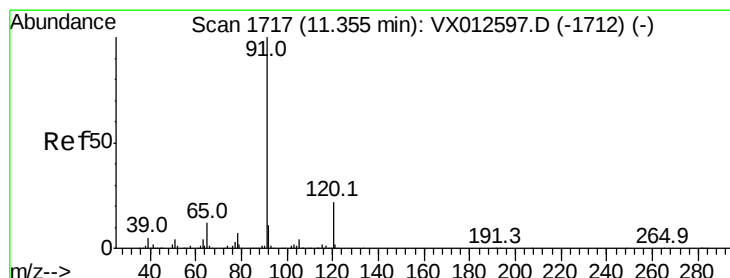
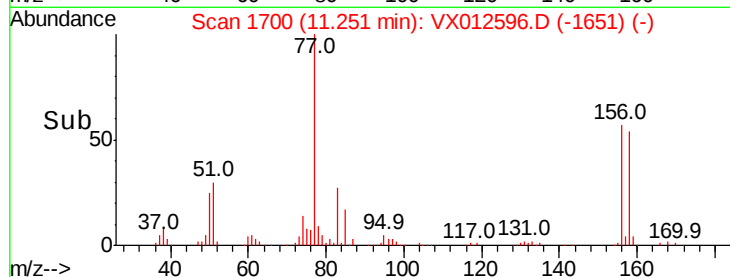
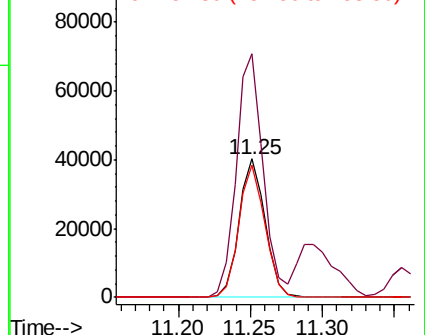
158 95.6 48.0 144.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 25.392 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX012596.D

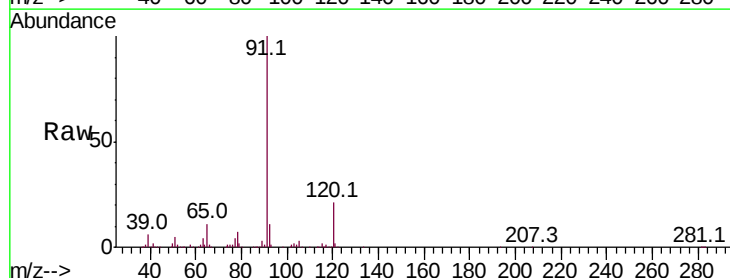
Acq: 23 Sep 2019 10:56

Tgt Ion: 91 Resp: 255029

Ion Ratio Lower Upper

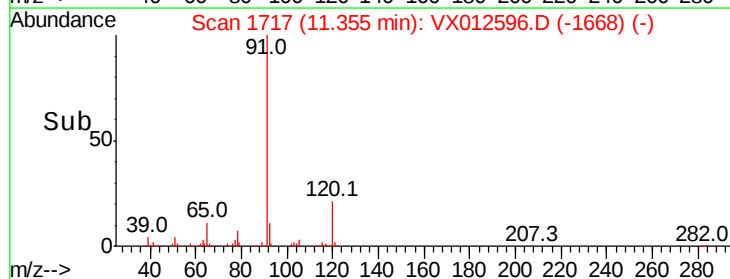
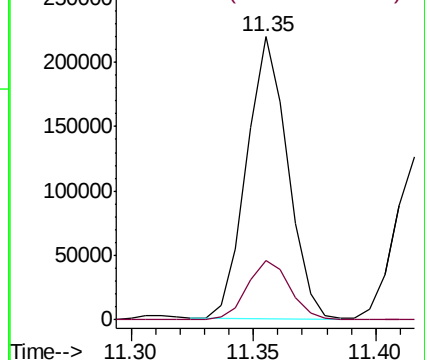
91 100

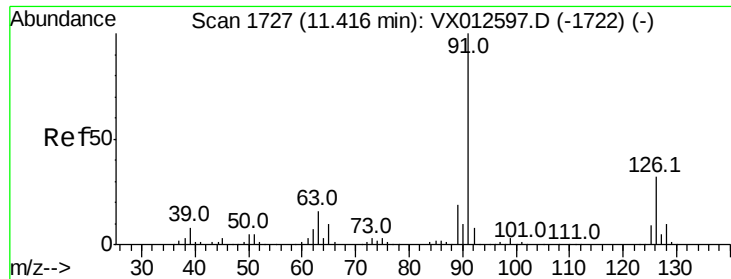
120 21.9 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

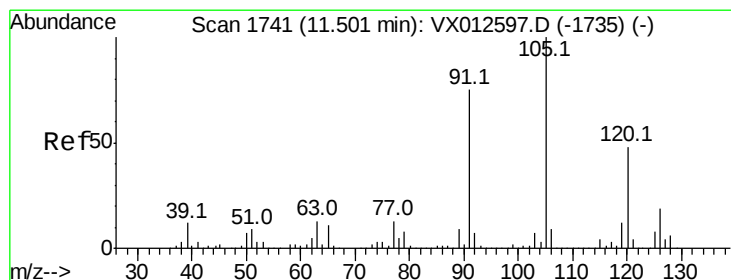
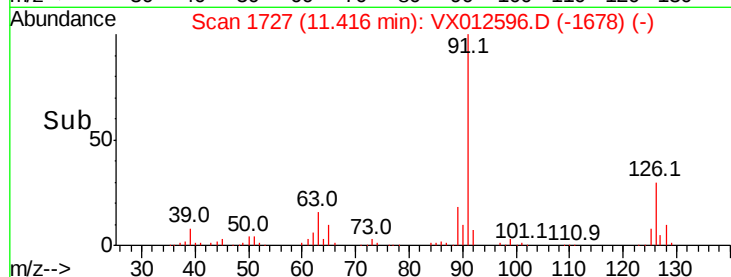
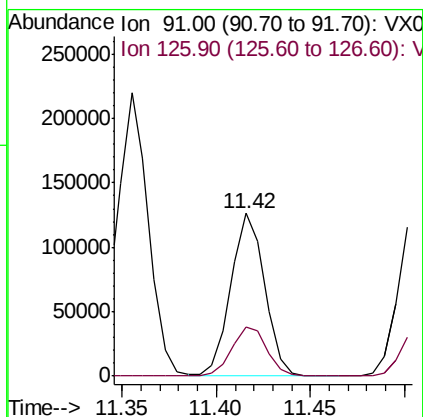
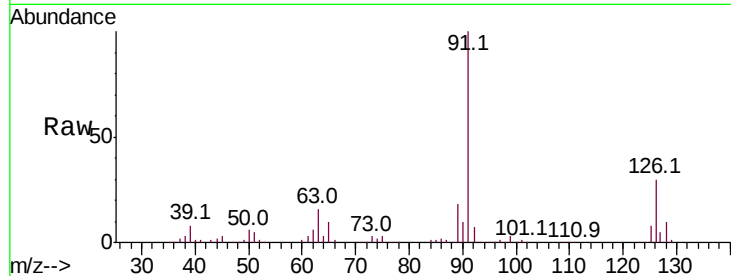




#79
2-Chlorotoluene
Concen: 24.063 ug/l
RT: 11.42 min Scan# 1727
Delta R.T. 0.00 min
Lab File: VX012596.D
Acq: 23 Sep 2019 10:56

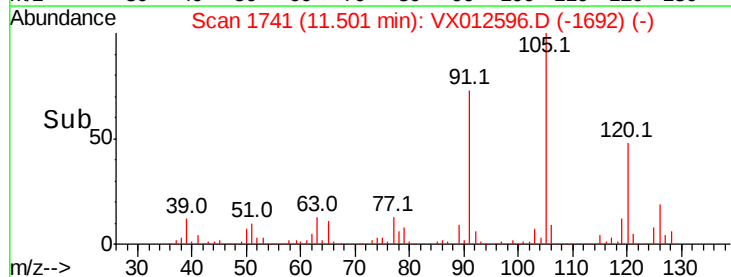
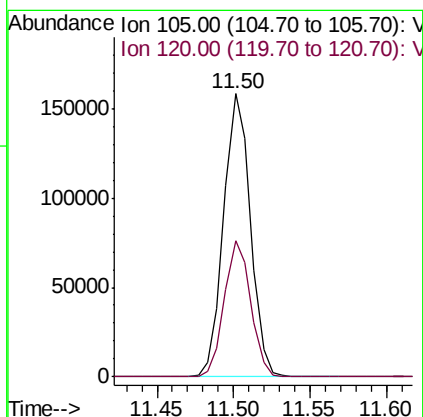
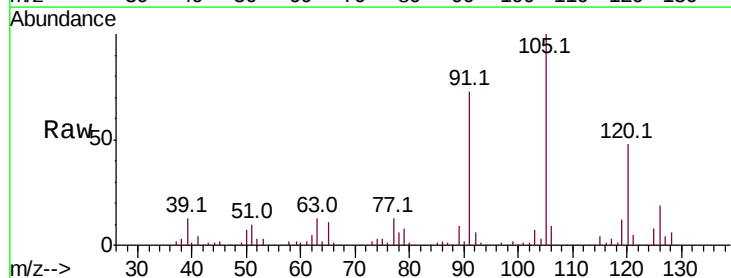
Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

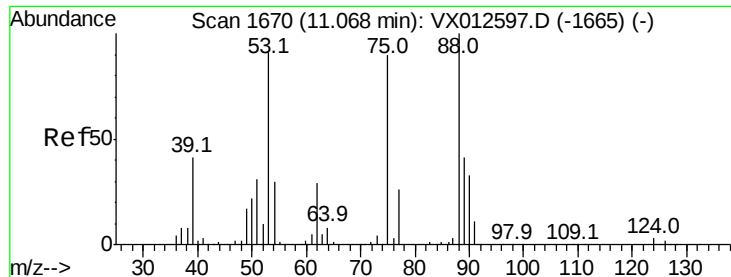
Tot Ion: 91 Resp: 156583
Ion Ratio Lower Upper
91 100
126 31.3 16.1 48.3



#80
1,3,5-Trimethylbenzene
Concen: 25.029 ug/l
RT: 11.50 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX012596.D
Acq: 23 Sep 2019 10:56

Tgt Ion: 105 Resp: 191659
Ion Ratio Lower Upper
105 100
120 47.5 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 22.664 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX012596.D

Acq: 23 Sep 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

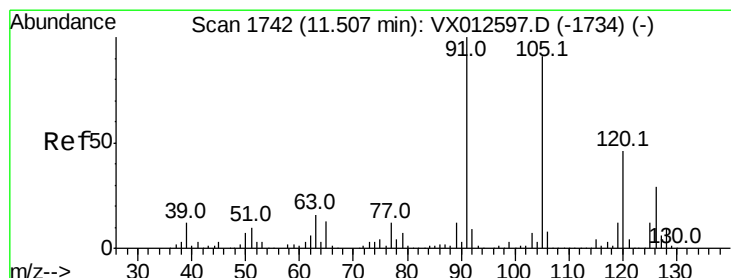
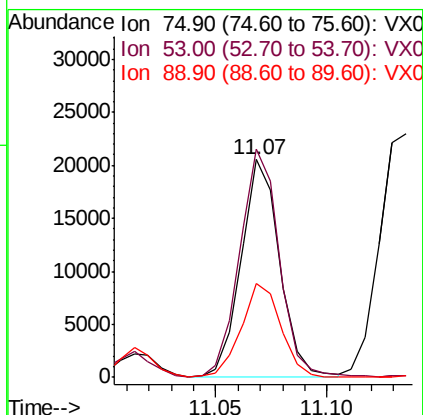
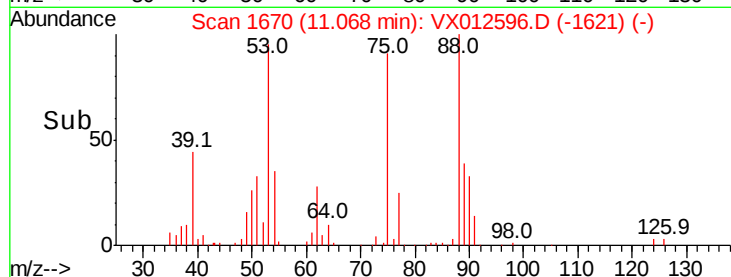
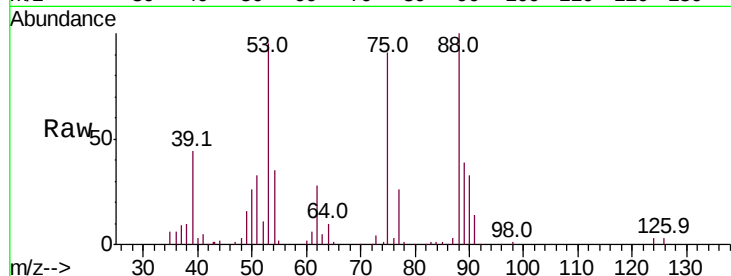
Tot Ion: 75 Resp: 24897

Ion Ratio Lower Upper

75 100

53 108.0 79.5 119.3

89 44.3 36.8 55.2



#82

4-Chlorotoluene

Concen: 24.118 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX012596.D

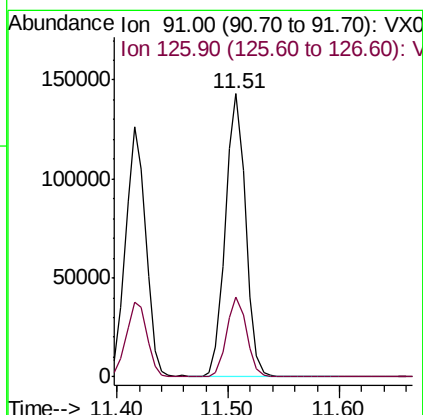
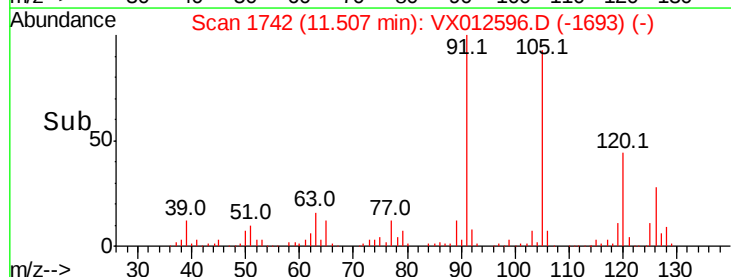
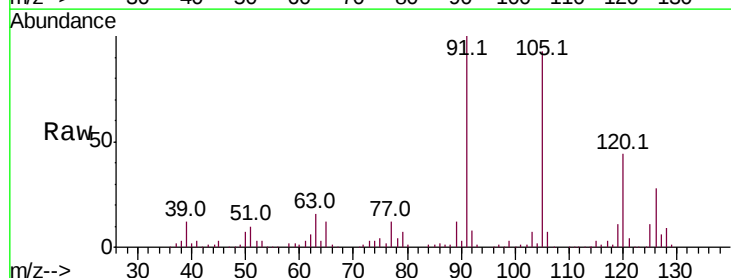
Acq: 23 Sep 2019 10:56

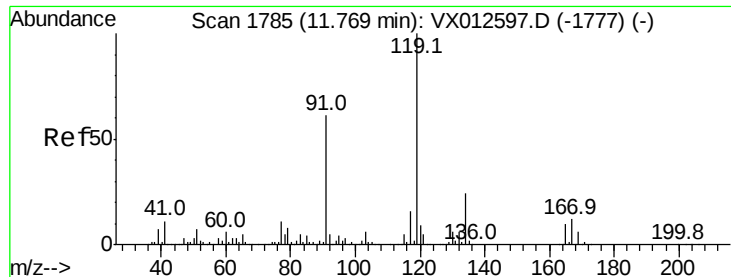
Tgt Ion: 91 Resp: 179935

Ion Ratio Lower Upper

91 100

126 27.8 13.9 41.7

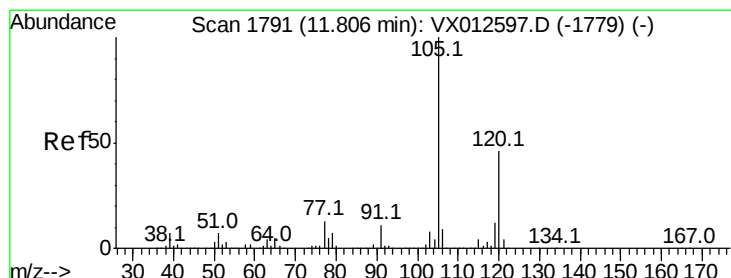
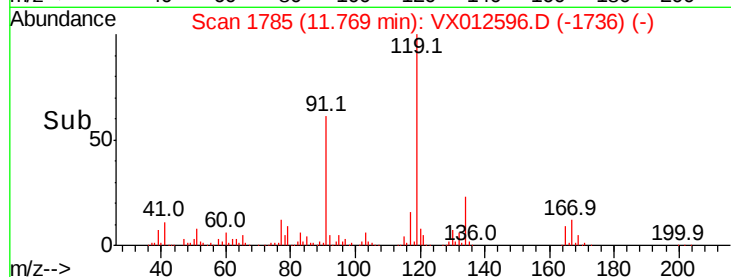
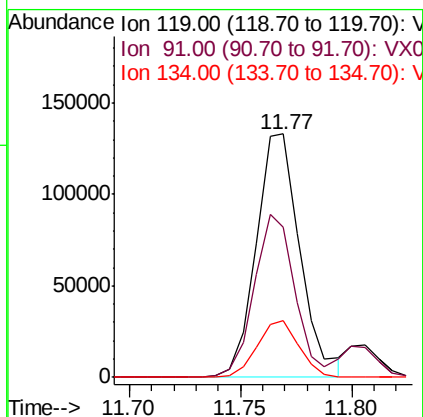
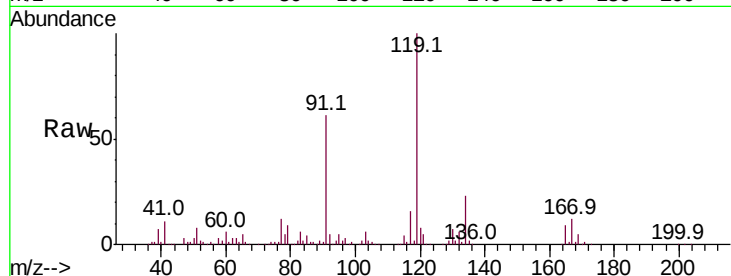




#83
tert-Butylbenzene
Concen: 22.626 ug/l
RT: 11.77 min Scan# 1785
Delta R.T. 0.00 min
Lab File: VX012596.D
Acq: 23 Sep 2019 10:56

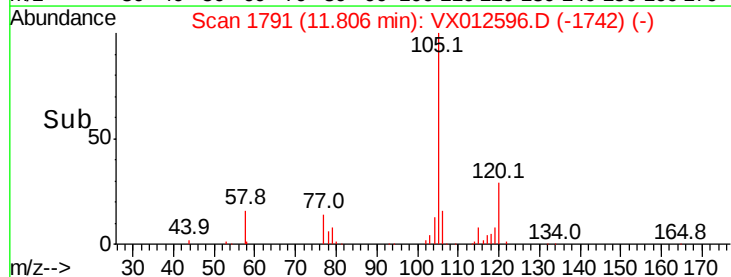
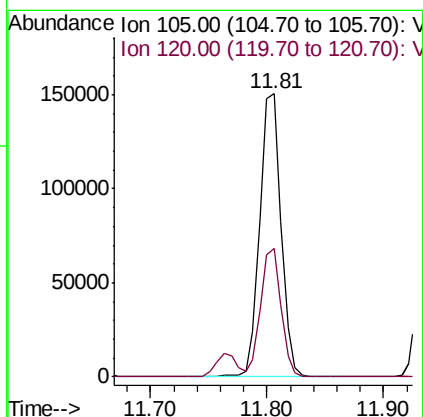
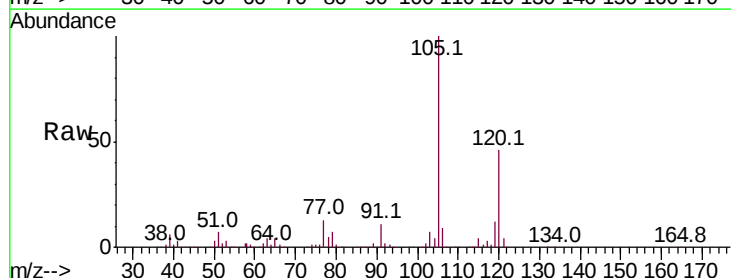
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

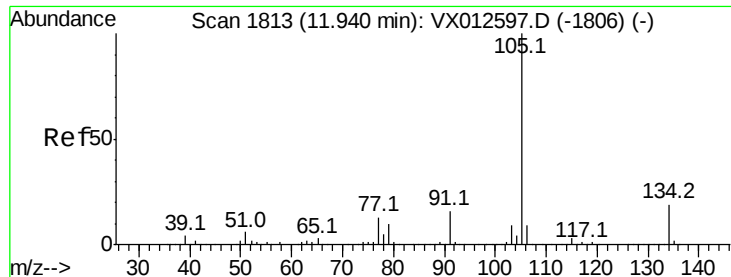
Tot Ion:119 Resp: 182282
Ion Ratio Lower Upper
119 100
91 62.3 31.1 93.5
134 22.4 11.5 34.5



#84
1,2,4-Trimethylbenzene
Concen: 24.685 ug/l
RT: 11.81 min Scan# 1791
Delta R.T. 0.00 min
Lab File: VX012596.D
Acq: 23 Sep 2019 10:56

Tgt Ion:105 Resp: 193748
Ion Ratio Lower Upper
105 100
120 43.7 22.3 66.8





#85

sec-Butylbenzene

Concen: 23.929 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX012596.D

Acq: 23 Sep 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

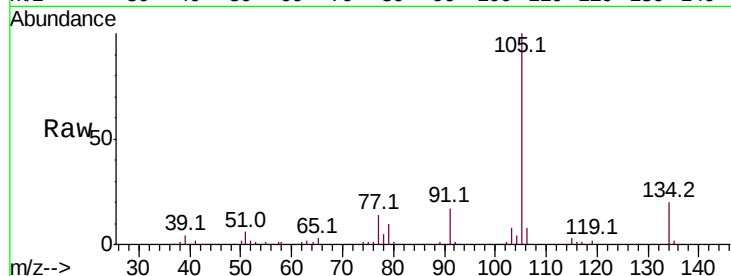
VSTDIC020

Tot Ion:105 Resp: 214410

Ion Ratio Lower Upper

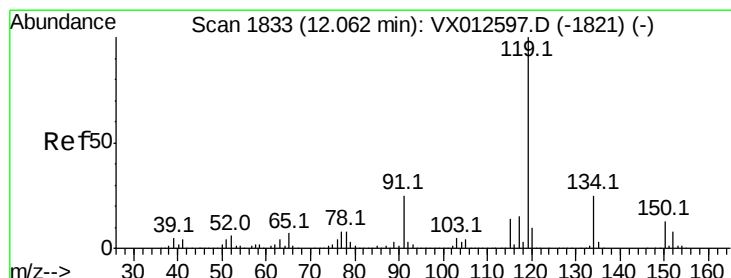
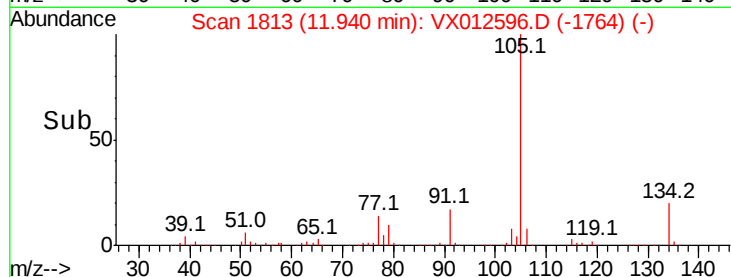
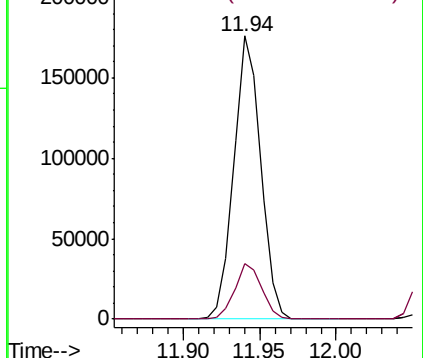
105 100

134 19.7 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 23.698 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX012596.D

Acq: 23 Sep 2019 10:56

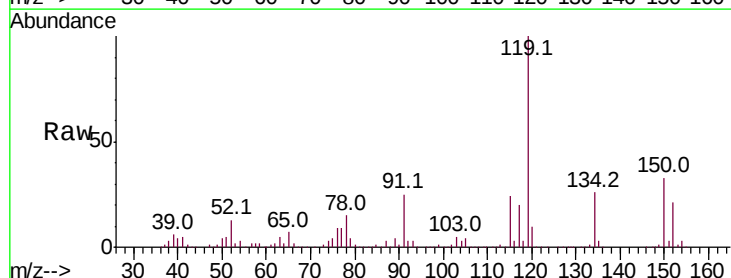
Tgt Ion:119 Resp: 194717

Ion Ratio Lower Upper

119 100

134 25.7 12.4 37.4

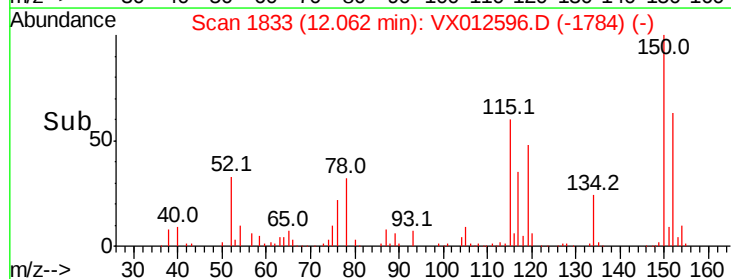
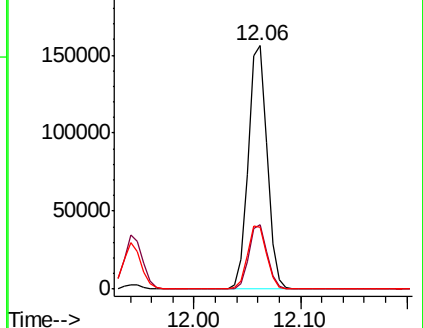
91 26.4 12.8 38.4

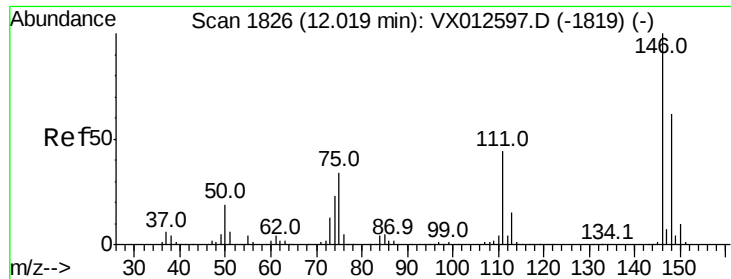


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

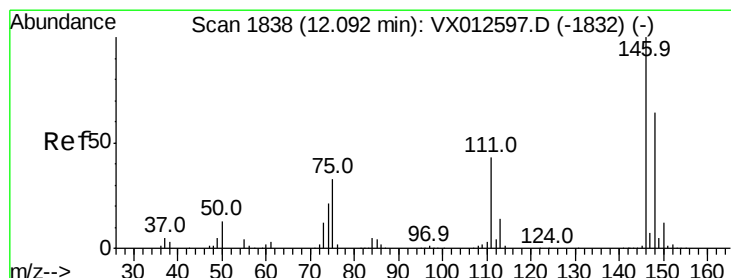
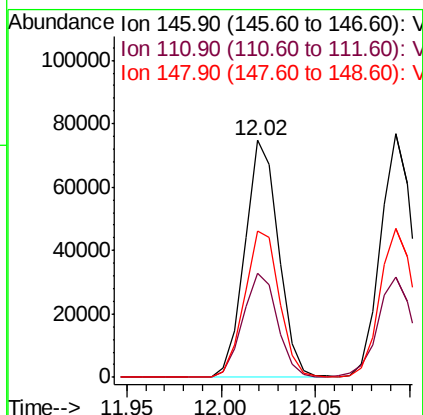
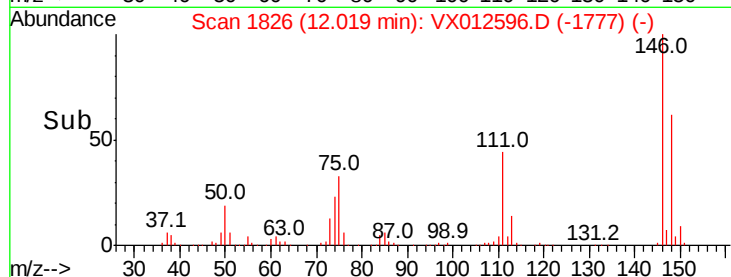
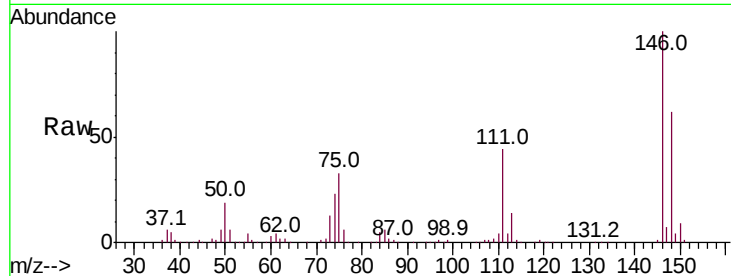




#87
 1,3-Dichlorobenzene
 Concen: 22.823 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX012596.D
 Acq: 23 Sep 2019 10:56

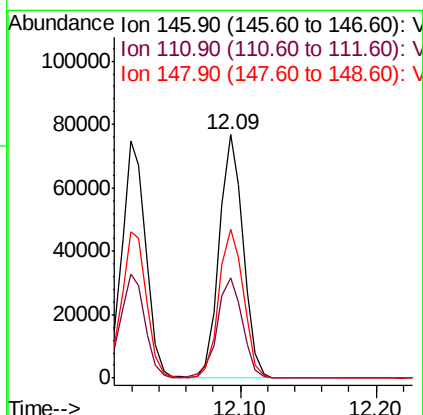
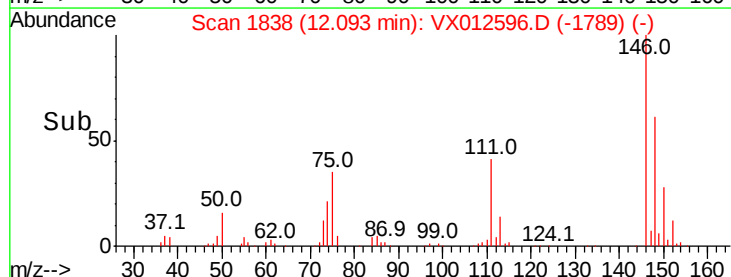
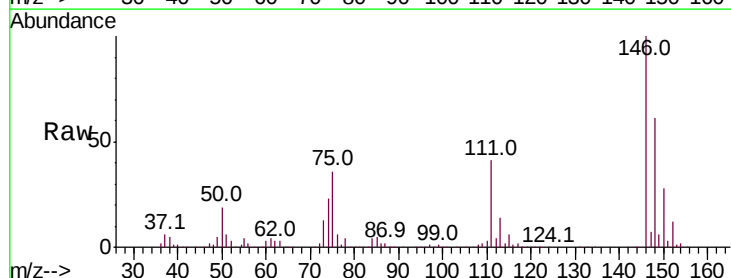
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

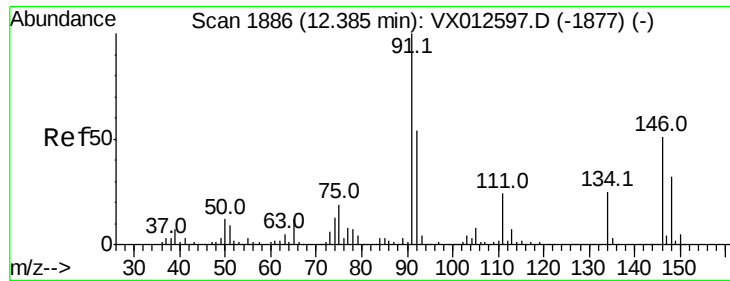
Tot Ion:146 Resp: 92584
 Ion Ratio Lower Upper
 146 100
 111 44.9 22.3 66.9
 148 63.9 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 22.507 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX012596.D
 Acq: 23 Sep 2019 10:56

Tgt Ion:146 Resp: 93580
 Ion Ratio Lower Upper
 146 100
 111 43.5 21.7 65.1
 148 63.2 31.8 95.3

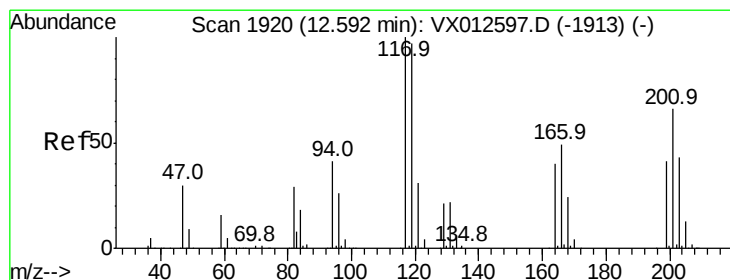
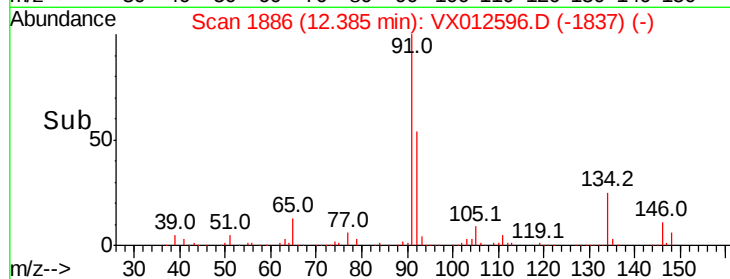
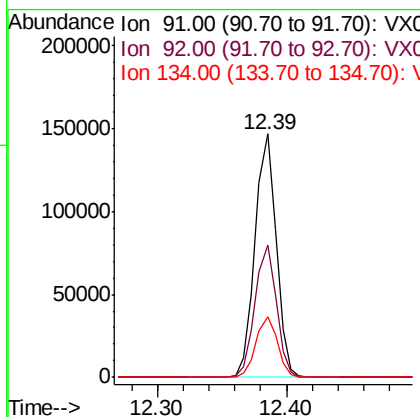
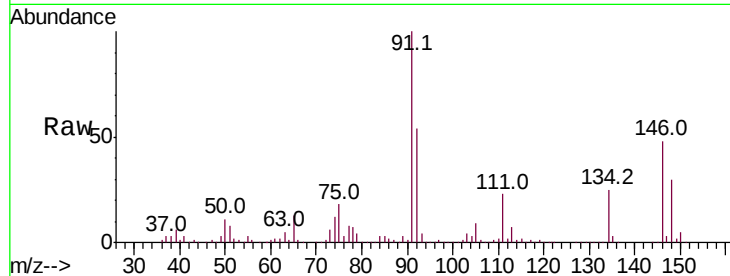




#89
n-Butylbenzene
Concen: 22.697 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX012596.D
Acq: 23 Sep 2019 10:56

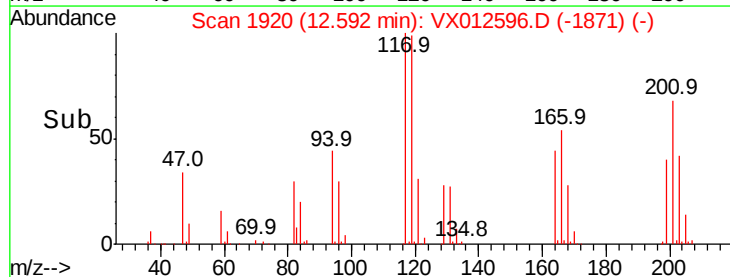
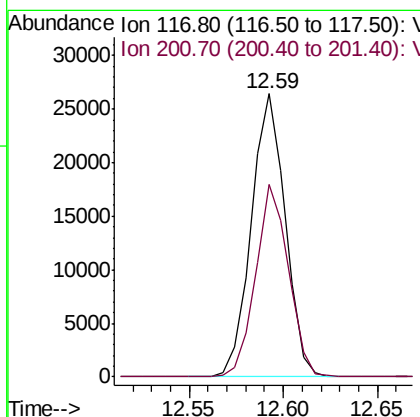
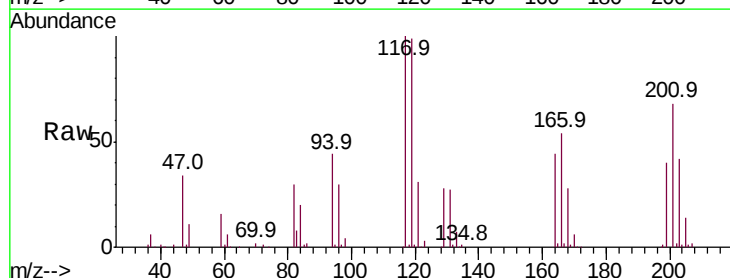
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

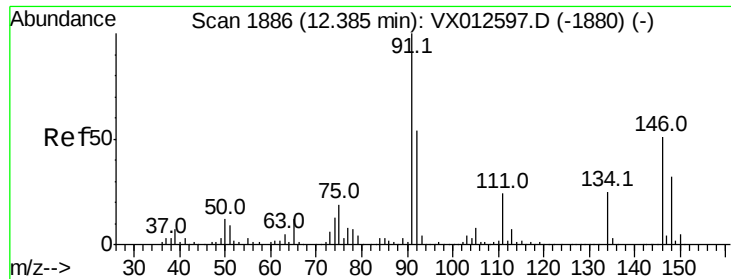
Tot Ion: 91 Resp: 166017
Ion Ratio Lower Upper
91 100
92 54.9 27.2 81.6
134 25.2 12.4 37.2



#90
Hexachloroethane
Concen: 22.086 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX012596.D
Acq: 23 Sep 2019 10:56

Tgt Ion: 117 Resp: 32919
Ion Ratio Lower Upper
117 100
201 65.7 34.0 101.8

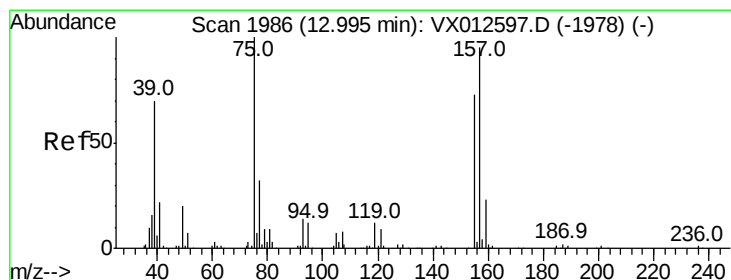
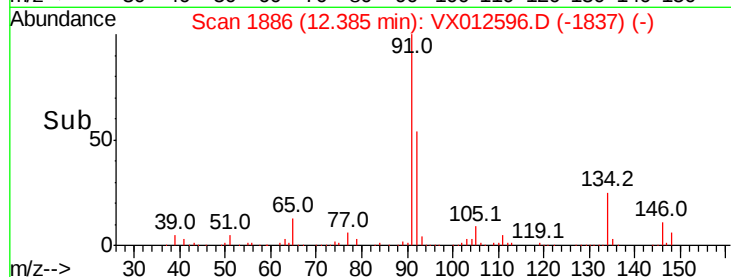
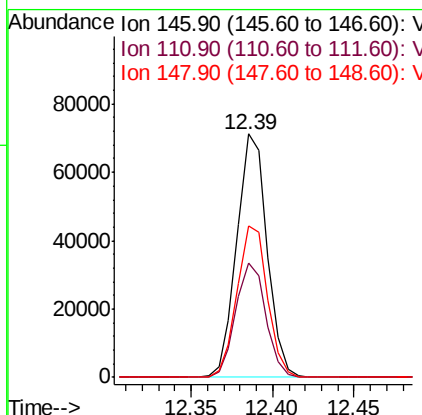
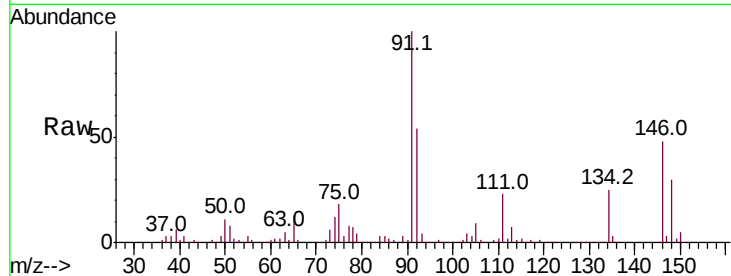




#91
 1,2-Dichlorobenzene
 Concen: 22.022 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX012596.D
 Acq: 23 Sep 2019 10:56

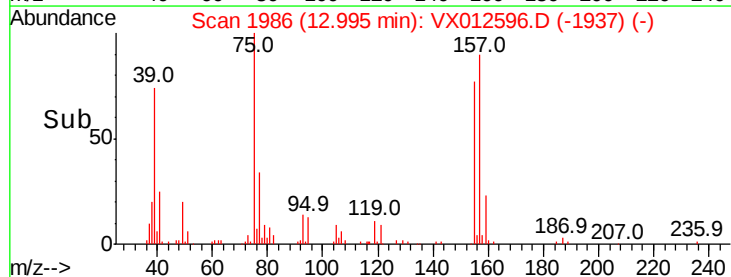
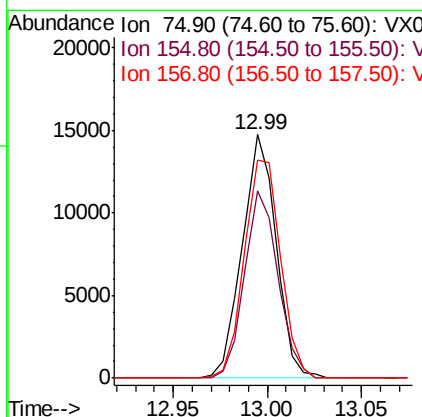
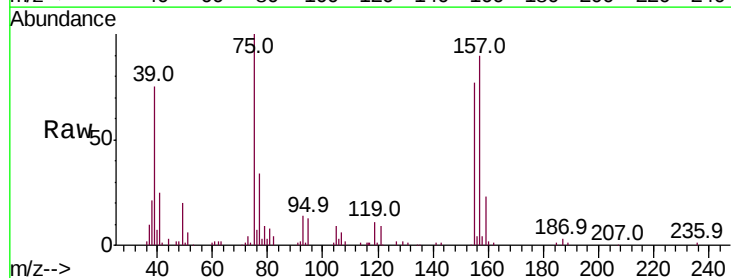
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

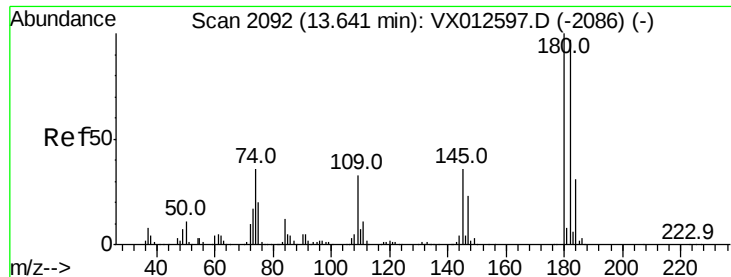
Tot Ion:146 Resp: 92578
 Ion Ratio Lower Upper
 146 100
 111 46.6 22.8 68.4
 148 62.4 31.7 95.1



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.677 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX012596.D
 Acq: 23 Sep 2019 10:56

Tgt Ion: 75 Resp: 18351
 Ion Ratio Lower Upper
 75 100
 155 76.2 38.7 116.1
 157 96.4 48.5 145.6





#93

1,2,4-Trichlorobenzene

Concen: 20.498 ug/l

RT: 13.64 min Scan# 2092

Delta R.T. 0.00 min

Lab File: VX012596.D

Acq: 23 Sep 2019 10:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

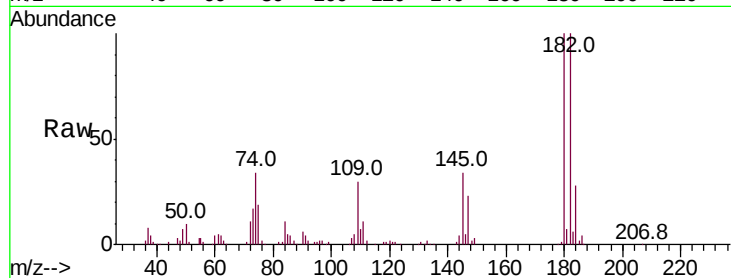
Tot Ion:180 Resp: 54703

Ion Ratio Lower Upper

180 100

182 96.3 47.8 143.3

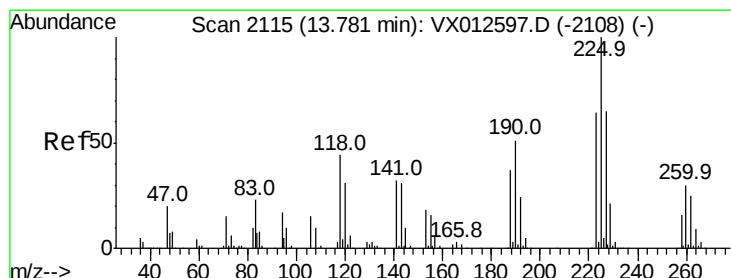
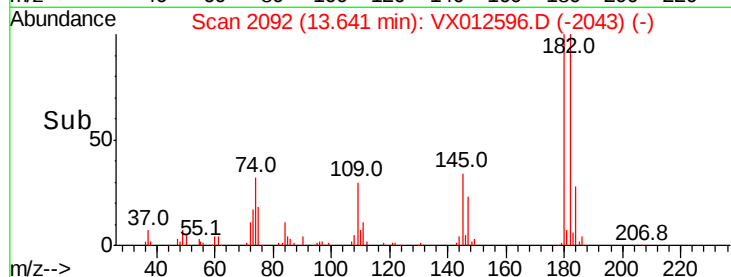
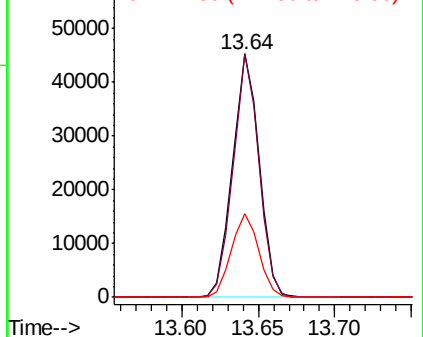
145 35.3 17.1 51.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 19.084 ug/l

RT: 13.78 min Scan# 2114

Delta R.T. -0.01 min

Lab File: VX012596.D

Acq: 23 Sep 2019 10:56

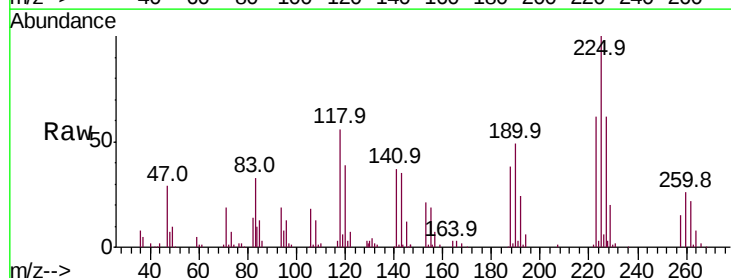
Tgt Ion:225 Resp: 23816

Ion Ratio Lower Upper

225 100

223 60.6 31.7 95.1

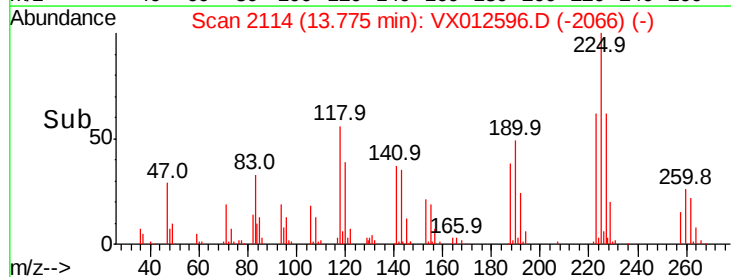
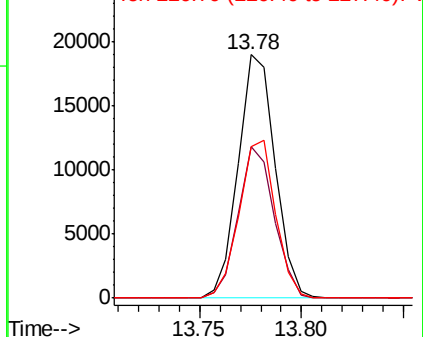
227 64.0 31.1 93.5

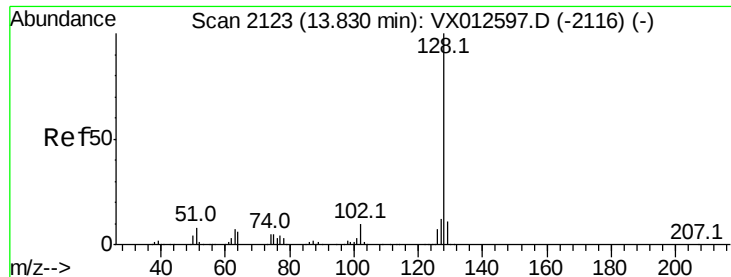


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

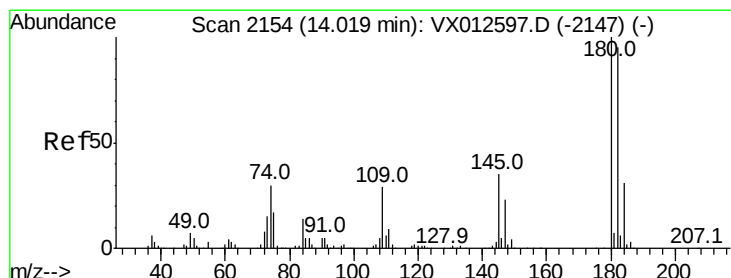
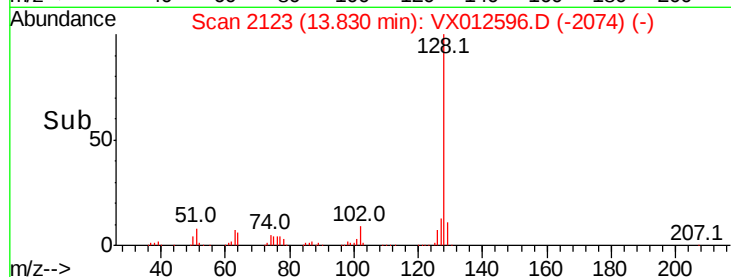
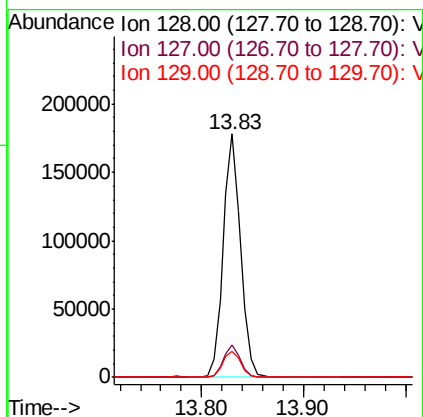
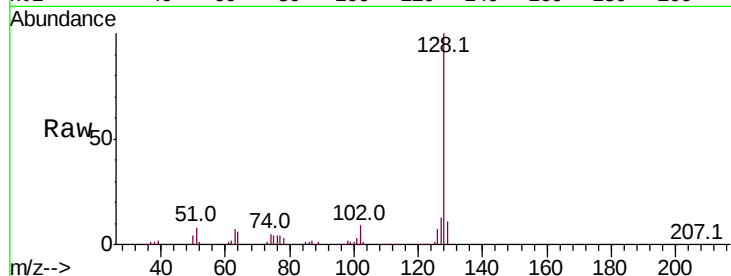




#95
Naphthalene
Concen: 21.968 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX012596.D
Acq: 23 Sep 2019 10:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion:128 Resp: 210073
Ion Ratio Lower Upper
128 100
127 13.1 10.2 15.2
129 11.3 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 20.544 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. -0.01 min
Lab File: VX012596.D
Acq: 23 Sep 2019 10:56

Tgt Ion:180 Resp: 55920
Ion Ratio Lower Upper
180 100
182 95.1 46.8 140.3
145 36.7 18.4 55.0

