

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092319\
 Data File : VX012594.D
 Acq On : 23 Sep 2019 10:09
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Quant Time: Sep 23 11:59:15 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	5.64	168	205158	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	354701	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	313378	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	132595	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	4588	1.54	ug/l	0.00
Spiked Amount			Recovery	=	3.08%	
35) Dibromofluoromethane	5.48	113	2783	1.29	ug/l	0.00
Spiked Amount			Recovery	=	2.58%	
50) Toluene-d8	8.71	98	9991	1.25	ug/l	0.00
Spiked Amount			Recovery	=	2.50%	
62) 4-Bromofluorobenzene	11.14	95	3908	1.19	ug/l	0.00
Spiked Amount			Recovery	=	2.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	2628	1.928	ug/l	98
3) Chloromethane	1.32	50	3045	2.261	ug/l #	87
4) Vinyl Chloride	1.40	62	2705	1.902	ug/l	98
5) Bromomethane	1.63	94	1940	3.404	ug/l	93
6) Chloroethane	1.72	64	1899	1.736	ug/l #	75
7) Trichlorofluoromethane	1.92	101	4028	1.669	ug/l	97
8) Diethyl Ether	2.17	74	1716	1.599	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.37	101	2383	1.403	ug/l	96
10) Methyl Iodide	2.50	142	1432	1.024	ug/l	97
11) Tert butyl alcohol	3.03	59	3714	4.742	ug/l	97
12) 1,1-Dichloroethene	2.36	96	2041	1.429	ug/l #	67
13) Acrolein	2.28	56	1895	5.991	ug/l	93
14) Allyl chloride	2.72	41	4179	1.313	ug/l #	84
15) Acrylonitrile	3.13	53	7392	5.684	ug/l	97
16) Acetone	2.43	43	7958	5.267	ug/l	97
17) Carbon Disulfide	2.56	76	6430	2.821	ug/l	95
18) Methyl Acetate	2.76	43	4121	1.319	ug/l	92
19) Methyl tert-butyl Ether	3.19	73	8413	1.171	ug/l	94
20) Methylene Chloride	2.84	84	3092	1.627	ug/l	92
21) trans-1,2-Dichloroethene	3.15	96	2555	1.708	ug/l	95
22) Diisopropyl ether	3.84	45	8914	1.240	ug/l	95
23) Vinyl Acetate	3.80	43	35268	5.903	ug/l	96
24) 1,1-Dichloroethane	3.68	63	4807	1.366	ug/l	97
25) 2-Butanone	4.67	43	11182	5.415	ug/l	99
26) 2,2-Dichloropropane	4.56	77	4364	1.284	ug/l	98
27) cis-1,2-Dichloroethene	4.58	96	3124	1.478	ug/l	96
28) Bromochloromethane	4.98	49	893	0.517	ug/l #	16
29) Tetrahydrofuran	5.12	42	6586	5.703	ug/l	96
30) Chloroform	5.18	83	5129	1.297	ug/l	86
31) Cyclohexane	5.56	56	4602	1.919	ug/l #	90
32) 1,1,1-Trichloroethane	5.47	97	4233	1.267	ug/l #	48
36) 1,1-Dichloropropene	5.79	75	3723	1.615	ug/l	97
37) Ethyl Acetate	4.82	43	3900	1.166	ug/l #	94
38) Carbon Tetrachloride	5.77	117	3495	1.263	ug/l #	91

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Instrument :
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 ClientSampleId :
 VSTDIC001

Quant Time: Sep 23 11:59:15 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)

39) Methylcyclohexane	7.46	83	4575	1.948	ug/l #	82
40) Benzene	6.13	78	10825	1.493	ug/l	96
41) Methacrylonitrile	5.03	41	2443	1.150	ug/l	97
42) 1,2-Dichloroethane	6.19	62	3991	1.231	ug/l	92
43) Isopropyl Acetate	6.44	43	7076	1.189	ug/l	95
44) Trichloroethene	7.20	130	2733	1.450	ug/l	86
45) 1,2-Dichloropropane	7.51	63	2696	1.252	ug/l	96
46) Dibromomethane	7.65	93	1961	1.398	ug/l	88
47) Bromodichloromethane	7.89	83	3509	1.146	ug/l	93
48) Methyl methacrylate	7.76	41	3131	1.110	ug/l #	92
49) 1,4-Dioxane	7.74	88	1315	19.210	ug/l #	81
51) 4-Methyl-2-Pentanone	8.64	43	20305	5.251	ug/l	98
52) Toluene	8.78	92	6631	1.428	ug/l	91
53) t-1,3-Dichloropropene	9.03	75	3620	1.126	ug/l	96
54) cis-1,3-Dichloropropene	8.43	75	4095	1.218	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	2548	1.114	ug/l	87
56) Ethyl methacrylate	9.17	69	3856	1.066	ug/l	89
57) 1,3-Dichloropropane	9.36	76	4640	1.257	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.31	63	7957	4.300	ug/l	100
59) 2-Hexanone	9.48	43	14336	4.746	ug/l	96
60) Dibromochloromethane	9.57	129	2316	1.000	ug/l	97
61) 1,2-Dibromoethane	9.67	107	2556	1.203	ug/l	99
64) Tetrachloroethene	9.32	164	2509	1.642	ug/l	89
65) Chlorobenzene	10.14	112	7182	1.347	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.21	131	2413	1.122	ug/l #	65
67) Ethyl Benzene	10.25	91	12341	1.337	ug/l	97
68) m/p-Xylenes	10.36	106	9532	2.820	ug/l	95
69) o-Xylene	10.70	106	4404	1.284	ug/l	96
70) Styrene	10.71	104	6579	1.092	ug/l	97
71) Bromoform	10.85	173	1376	0.867	ug/l #	93
73) Isopropylbenzene	11.01	105	11671	1.363	ug/l	99
74) N-amyl acetate	10.89	43	5036	1.114	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.26	83	3774	1.155	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	4480	1.460	ug/l	97
77) Bromobenzene	11.25	156	2610	1.266	ug/l	96
78) n-propylbenzene	11.35	91	12964	1.358	ug/l	99
79) 2-Chlorotoluene	11.42	91	8642	1.397	ug/l	95
80) 1,3,5-Trimethylbenzene	11.50	105	9397	1.291	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	916	0.877	ug/l	89
82) 4-Chlorotoluene	11.51	91	9233	1.302	ug/l	98
83) tert-Butylbenzene	11.77	119	9335	1.219	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	9424	1.263	ug/l	96
85) sec-Butylbenzene	11.94	105	10570	1.241	ug/l	98
86) p-Isopropyltoluene	12.06	119	8957	1.147	ug/l	90
87) 1,3-Dichlorobenzene	12.02	146	4449	1.154	ug/l	91
88) 1,4-Dichlorobenzene	12.02	146	4449	1.126	ug/l	90
89) n-Butylbenzene	12.39	91	8264	1.188	ug/l	96
90) Hexachloroethane	12.59	117	1664	1.174	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	4732	1.184	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.00	75	879	1.042	ug/l	88

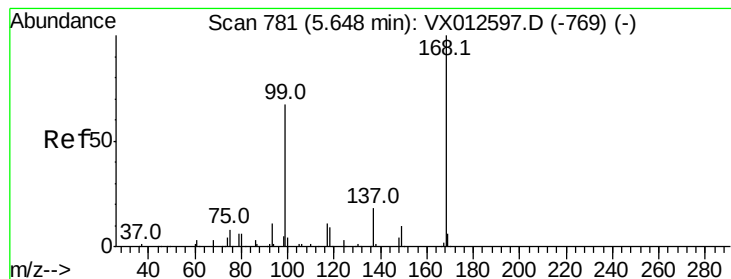
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092319\
Data File : VX012594.D
Acq On : 23 Sep 2019 10:09
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Sample : VSTDICC001
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MSVOA_X
ClientSampleId :
VSTDICC001

Quant Time: Sep 23 11:59:15 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)
93) 1,2,4-Trichlorobenzene	13.64	180	2777	1.095	ug/l	98
94) Hexachlorobutadiene	13.78	225	1282	1.081	ug/l	92
95) Naphthalene	13.83	128	8749	0.962	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	2730	1.055	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.01 min

Lab File: VX012594.D

Acq: 23 Sep 2019 10:09

Instrument :

MSVOA_X

ClientSampleId :

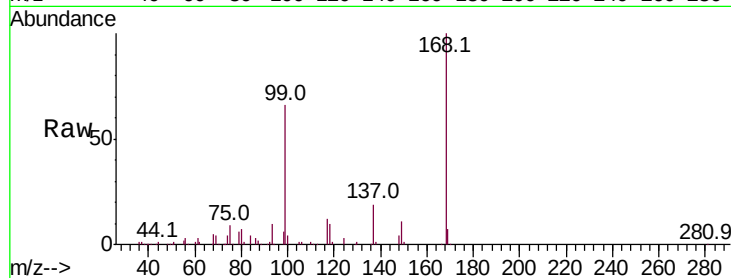
VSTDIC001

Tot Ion:168 Resp: 205158

Ion Ratio Lower Upper

168 100

99 66.3 53.3 79.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

80000

60000

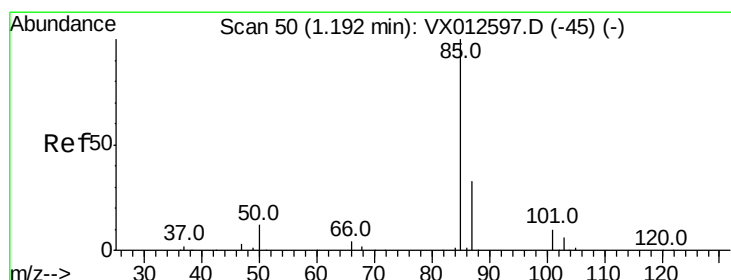
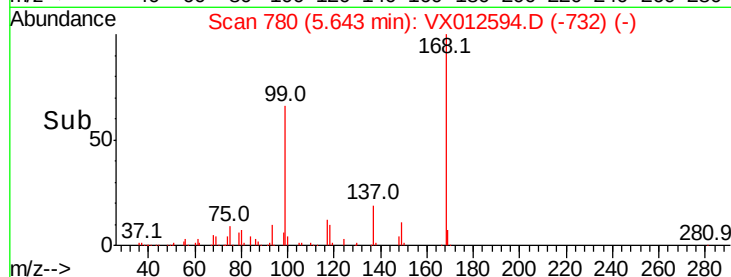
40000

20000

0

Time-->

5.50 5.60 5.70



#2

Dichlorodifluoromethane

Concen: 1.928 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX012594.D

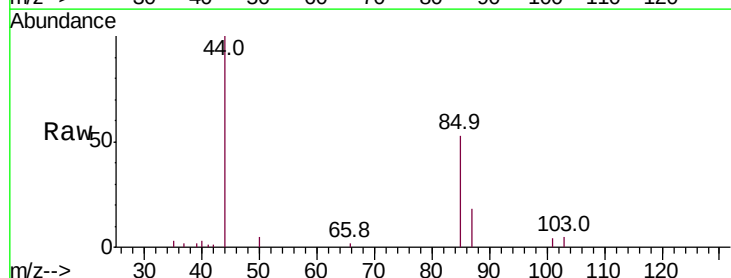
Acq: 23 Sep 2019 10:09

Tgt Ion: 85 Resp: 2628

Ion Ratio Lower Upper

85 100

87 34.0 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

2500

2000

1500

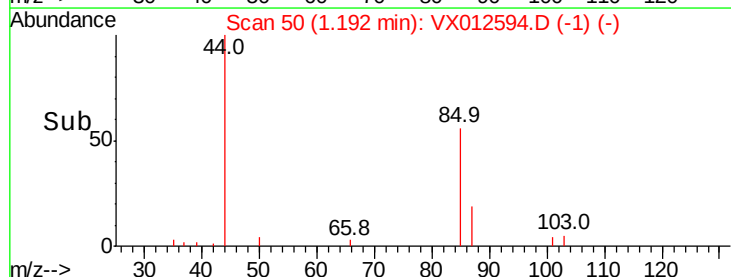
1000

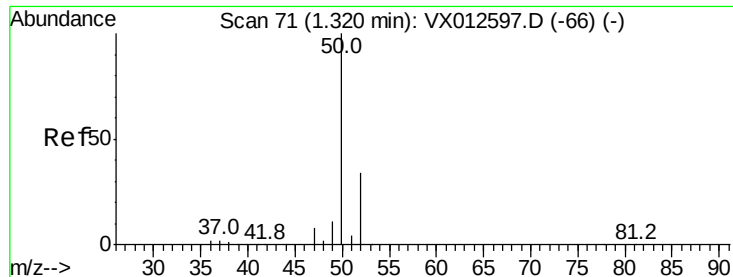
500

0

Time-->

1.15 1.20 1.25





#3

Chloromethane

Concen: 2.261 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012594.D

Acq: 23 Sep 2019 10:09

Instrument :

MSVOA_X

ClientSampleId :

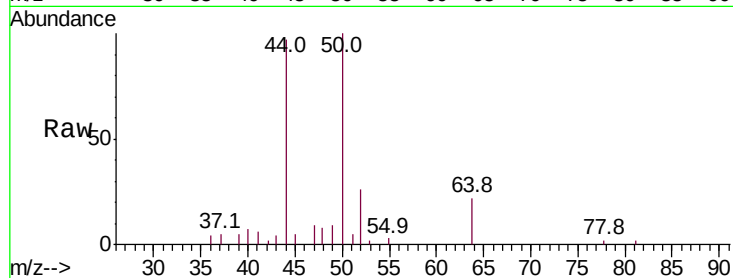
VSTDIC001

Tot Ion: 50 Resp: 3045

Ion Ratio Lower Upper

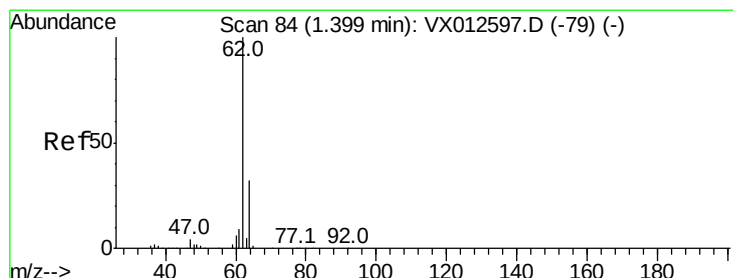
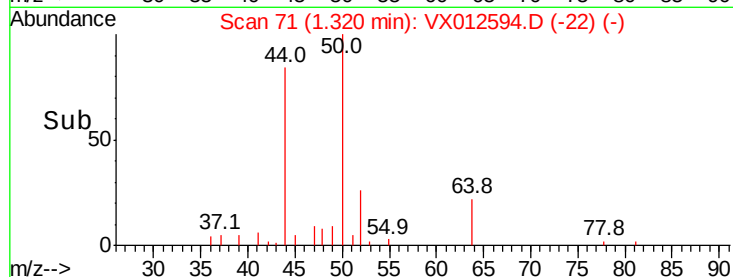
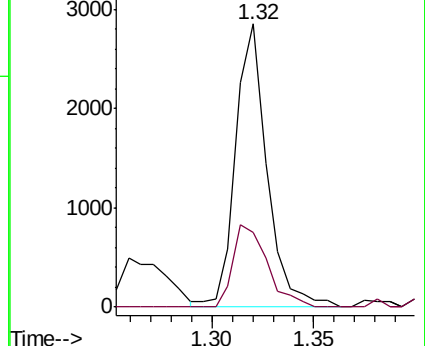
50 100

52 26.3 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: 1.902 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX012594.D

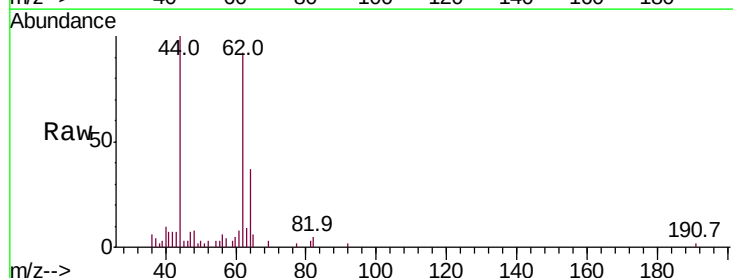
Acq: 23 Sep 2019 10:09

Tgt Ion: 62 Resp: 2705

Ion Ratio Lower Upper

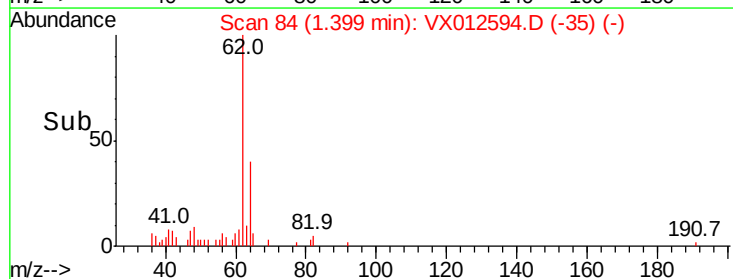
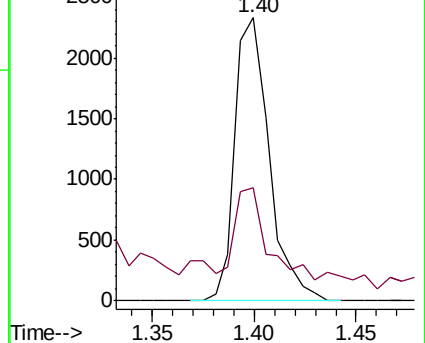
62 100

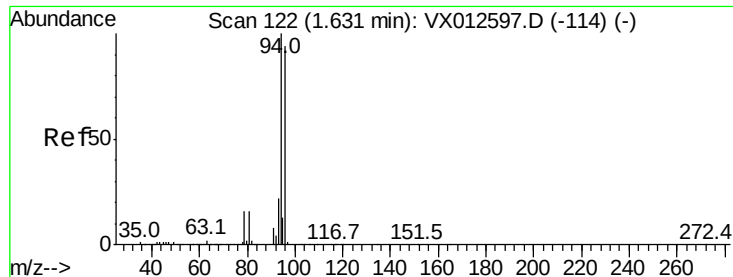
64 31.1 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 3.404 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.00 min

Lab File: VX012594.D

Acq: 23 Sep 2019 10:09

Instrument :

MSVOA_X

ClientSampleId :

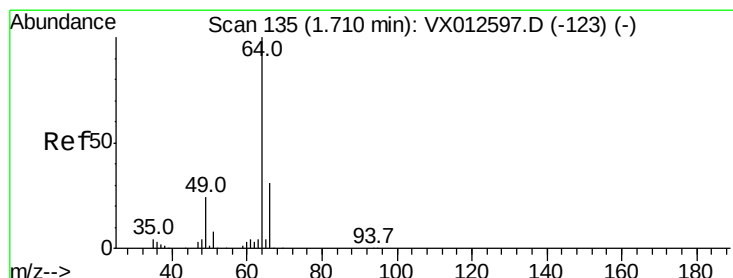
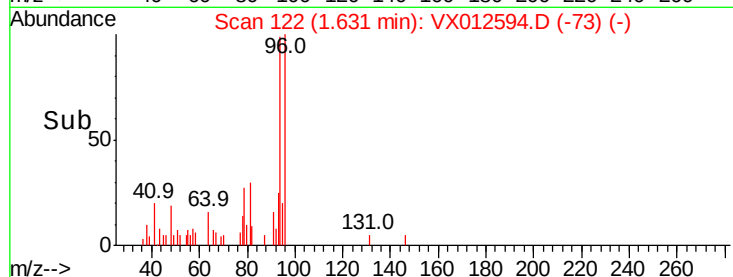
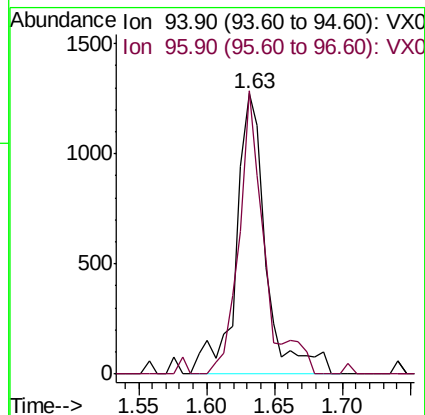
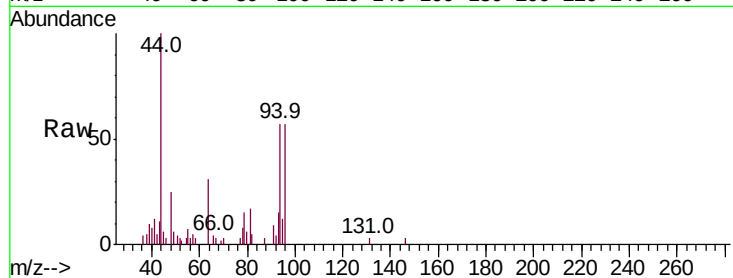
VSTDIC001

Tot Ion: 94 Resp: 1940

Ion Ratio Lower Upper

94 100

96 100.9 75.4 113.0



#6

Chloroethane

Concen: 1.736 ug/l

RT: 1.72 min Scan# 137

Delta R.T. 0.01 min

Lab File: VX012594.D

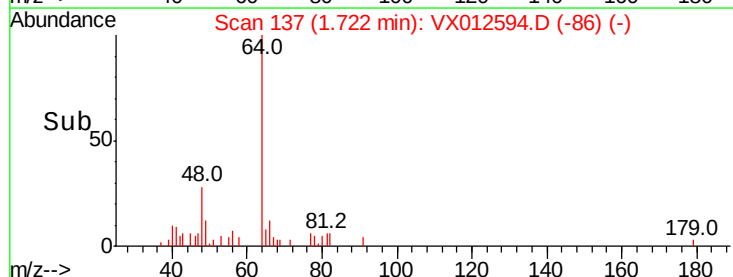
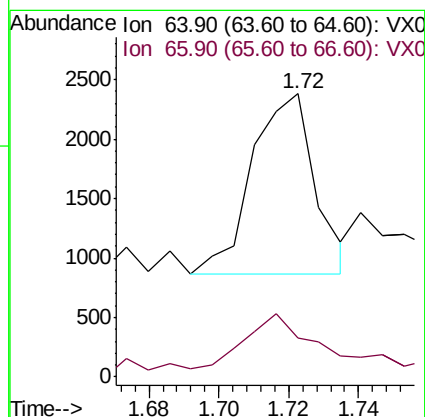
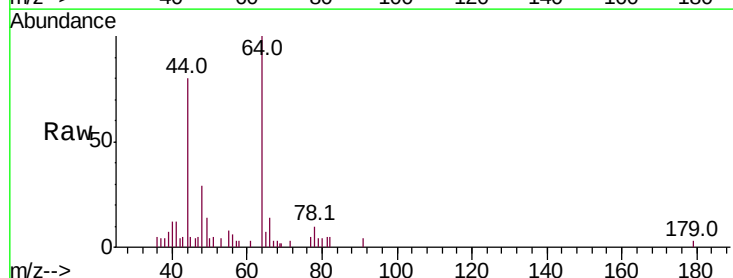
Acq: 23 Sep 2019 10:09

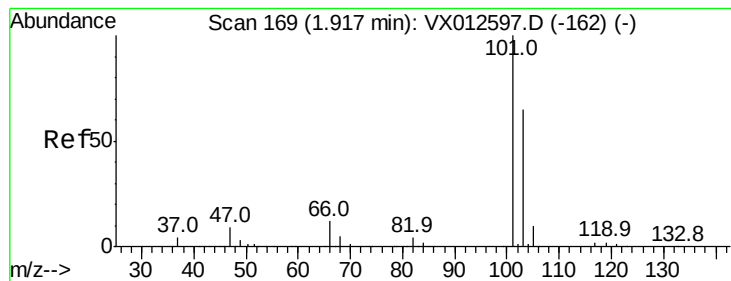
Tgt Ion: 64 Resp: 1899

Ion Ratio Lower Upper

64 100

66 17.4 24.6 37.0#





#7

Trichlorofluoromethane

Concen: 1.669 ug/l

RT: 1.92 min Scan# 170

Delta R.T. 0.01 min

Lab File: VX012594.D

Acq: 23 Sep 2019 10:09

Instrument :

MSVOA_X

ClientSampleId :

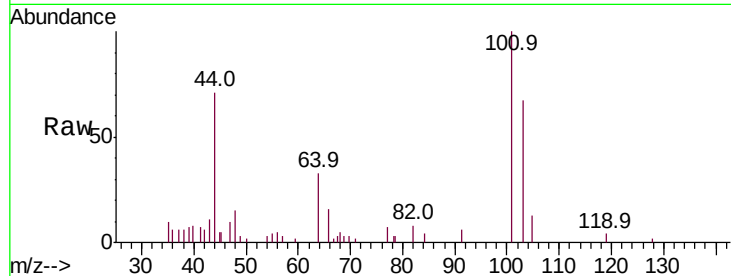
VSTDIC001

Tot Ion:101 Resp: 4028

Ion Ratio Lower Upper

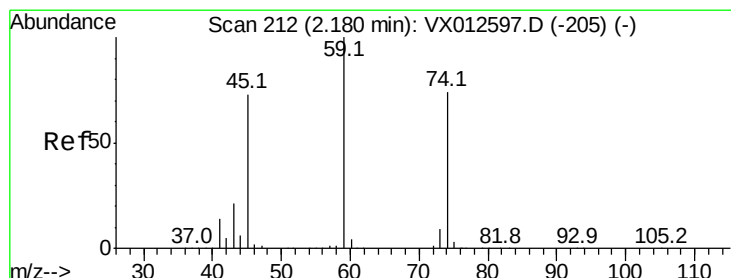
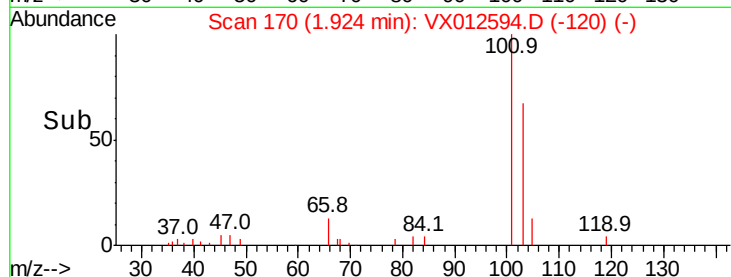
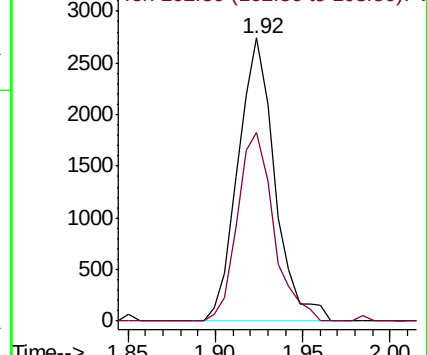
101 100

103 66.8 51.7 77.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 1.599 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX012594.D

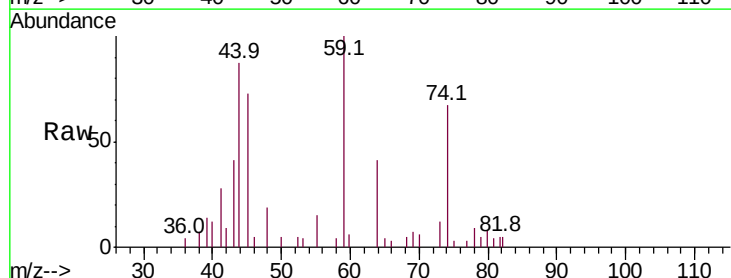
Acq: 23 Sep 2019 10:09

Tgt Ion: 74 Resp: 1716

Ion Ratio Lower Upper

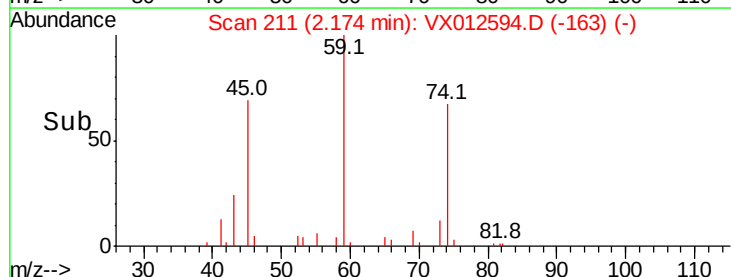
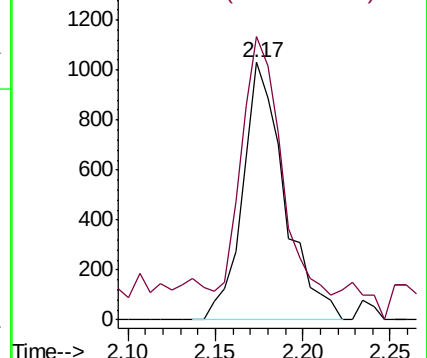
74 100

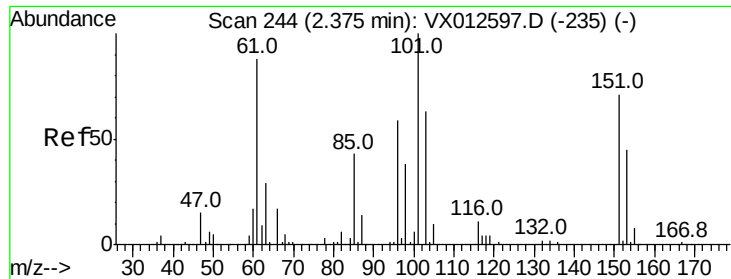
45 92.3 50.0 149.8



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.403 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.01 min

Lab File: VX012594.D

Acq: 23 Sep 2019 10:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

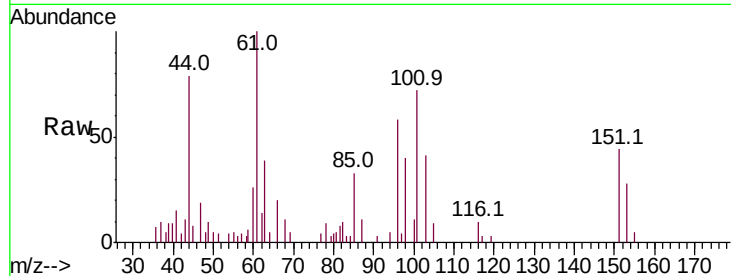
Tot Ion:101 Resp: 2383

Ion Ratio Lower Upper

101 100

85 44.1 35.8 53.6

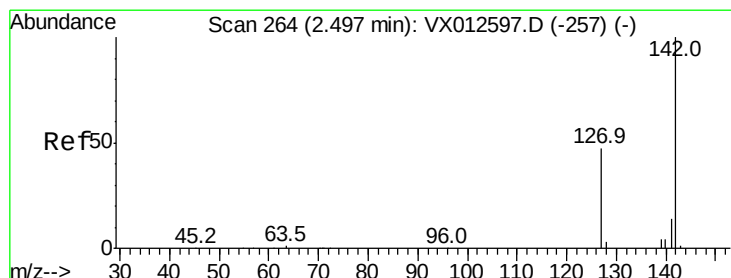
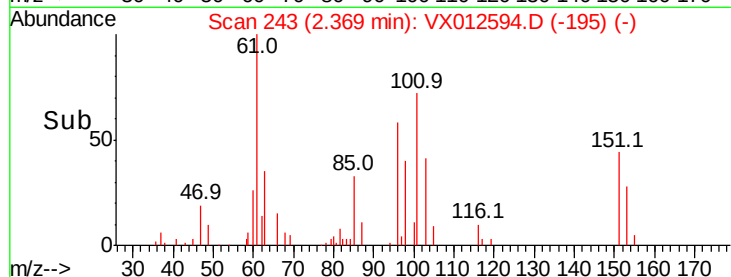
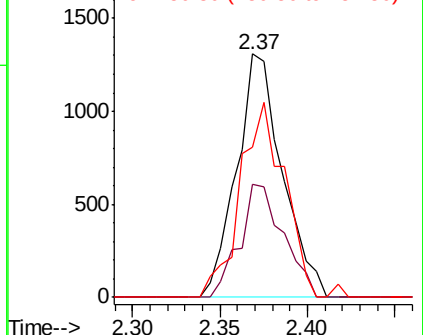
151 77.4 57.4 86.2



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: 1.024 ug/l

RT: 2.50 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX012594.D

Acq: 23 Sep 2019 10:09

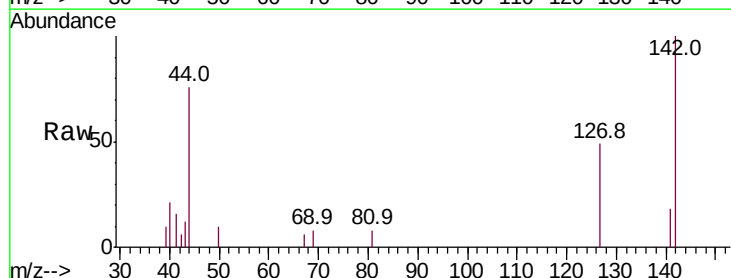
Tgt Ion:142 Resp: 1432

Ion Ratio Lower Upper

142 100

127 45.4 38.1 57.1

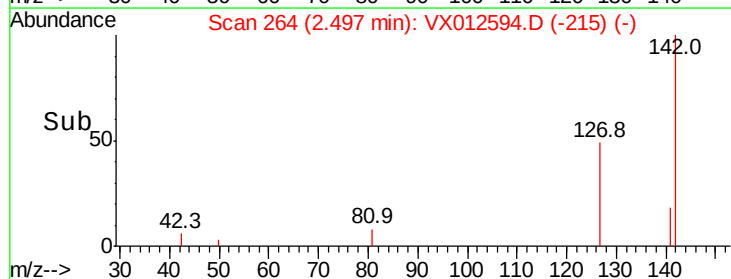
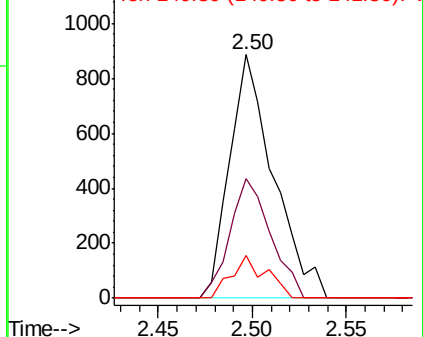
141 13.8 11.4 17.0

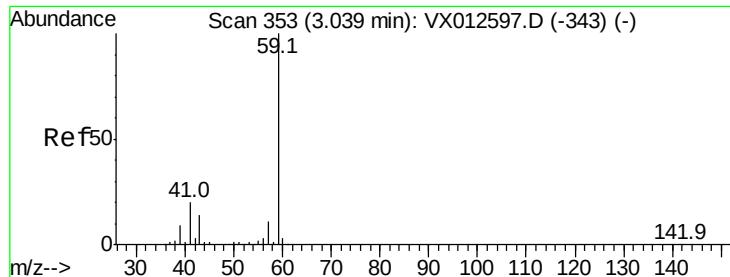


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 4.742 ug/l

RT: 3.03 min Scan# 351

Delta R.T. -0.01 min

Lab File: VX012594.D

Acq: 23 Sep 2019 10:09

Instrument :

MSVOA_X

ClientSampleId :

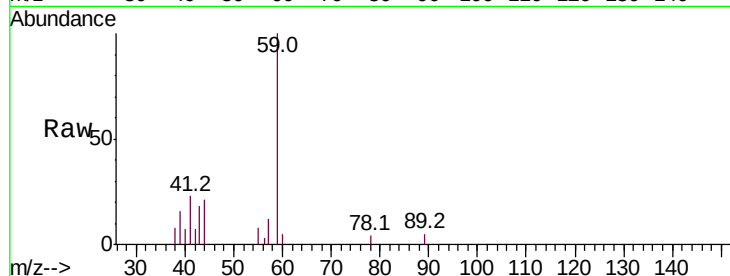
VSTDIC001

Tot Ion: 59 Resp: 3714

Ion Ratio Lower Upper

59 100

57 9.4 8.3 12.5



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.03

1500

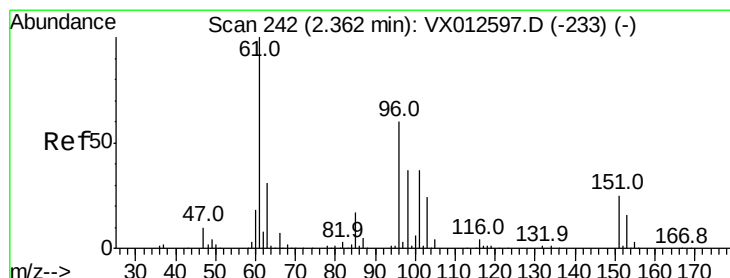
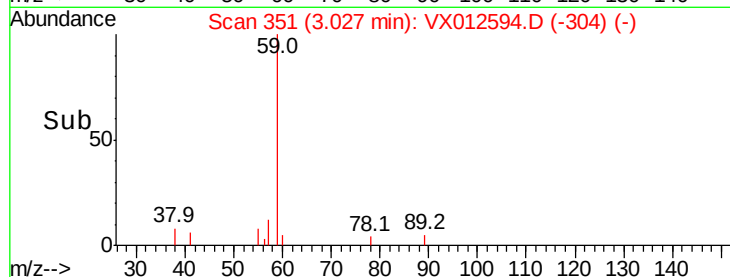
1000

500

0

Time-->

2.95 3.00 3.05 3.10



#12

1,1-Dichloroethene

Concen: 1.429 ug/l

RT: 2.36 min Scan# 242

Delta R.T. 0.00 min

Lab File: VX012594.D

Acq: 23 Sep 2019 10:09

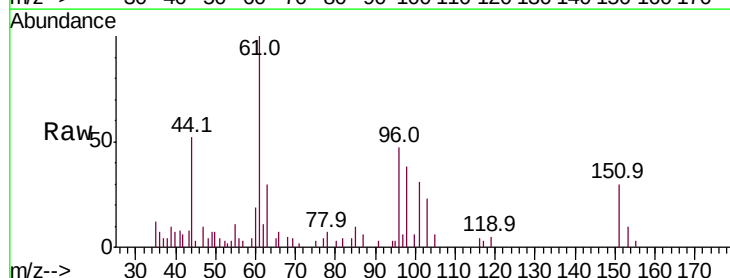
Tgt Ion: 96 Resp: 2041

Ion Ratio Lower Upper

96 100

61 214.7 133.4 200.0#

98 81.8 48.8 73.2#



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

3000

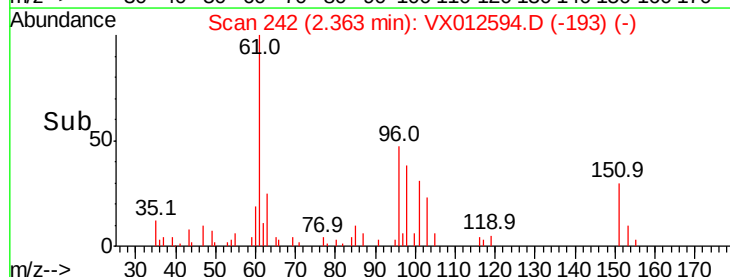
2000

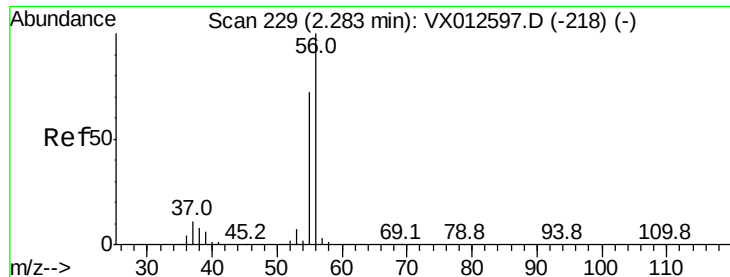
1000

0

Time-->

2.30 2.35 2.40





#13

Acrolein

Concen: 5.991 ug/l

RT: 2.28 min Scan# 228

Delta R.T. -0.01 min

Lab File: VX012594.D

Acq: 23 Sep 2019 10:09

Instrument :

MSVOA_X

ClientSampleId :

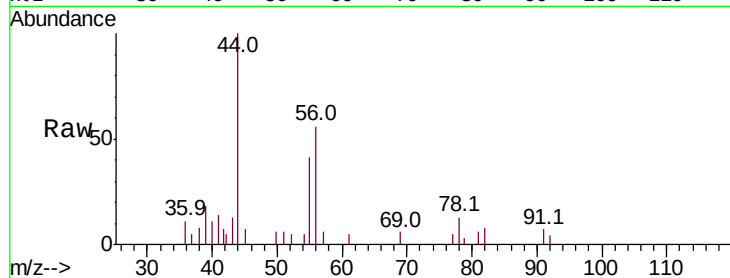
VSTDIC001

Tot Ion: 56 Resp: 1895

Ion Ratio Lower Upper

56 100

55 76.1 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

800

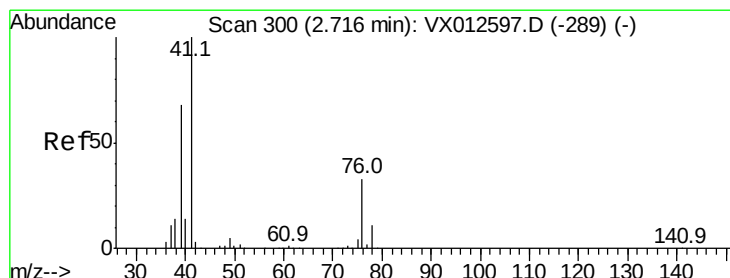
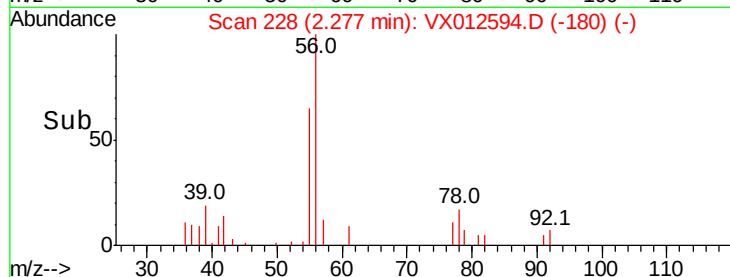
600

400

200

0

Time--> 2.20 2.25 2.30 2.35



#14

Allyl chloride

Concen: 1.313 ug/l

RT: 2.72 min Scan# 301

Delta R.T. 0.01 min

Lab File: VX012594.D

Acq: 23 Sep 2019 10:09

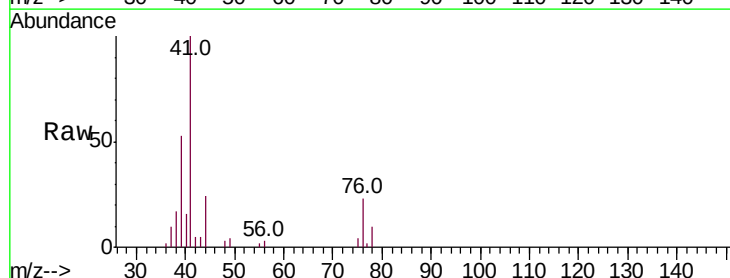
Tgt Ion: 41 Resp: 4179

Ion Ratio Lower Upper

41 100

39 83.7 52.1 78.1#

76 30.9 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

3000

2500

2000

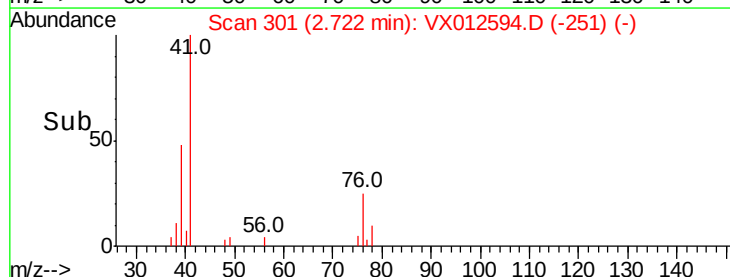
1500

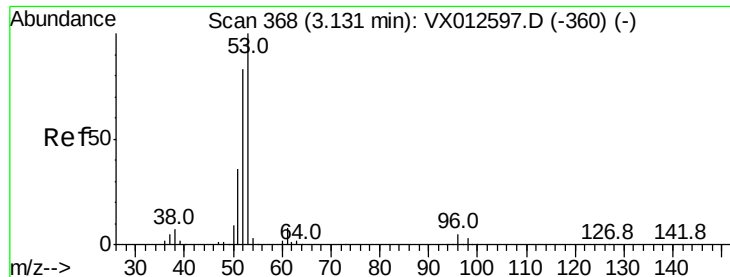
1000

500

0

Time--> 2.65 2.70 2.75 2.80





#15

Acrylonitrile

Concen: 5.684 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX012594.D

Acq: 23 Sep 2019 10:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

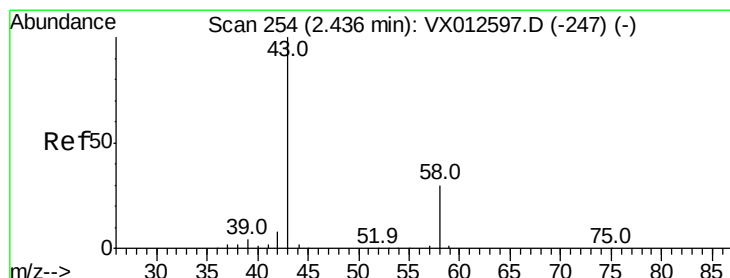
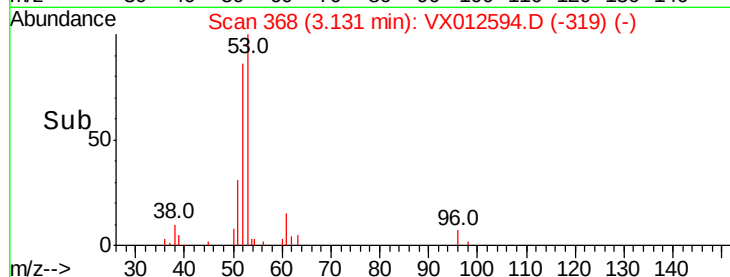
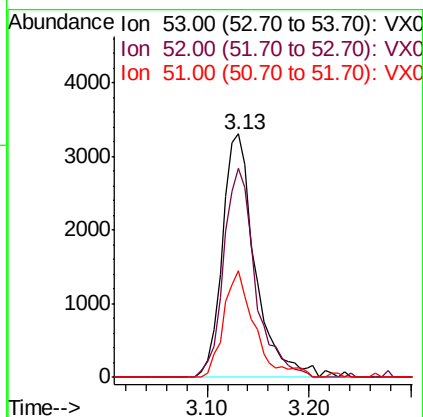
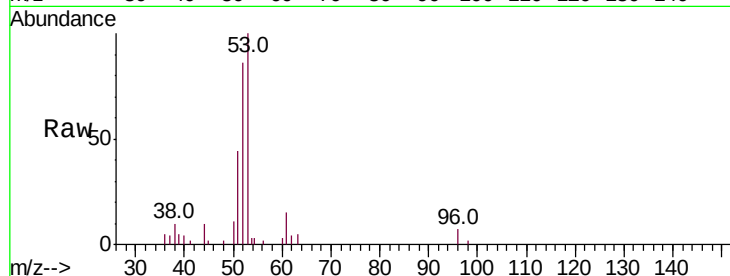
Tot Ion: 53 Resp: 7392

Ion Ratio Lower Upper

53 100

52 83.1 66.1 99.1

51 41.3 29.2 43.8



#16

Acetone

Concen: 5.267 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX012594.D

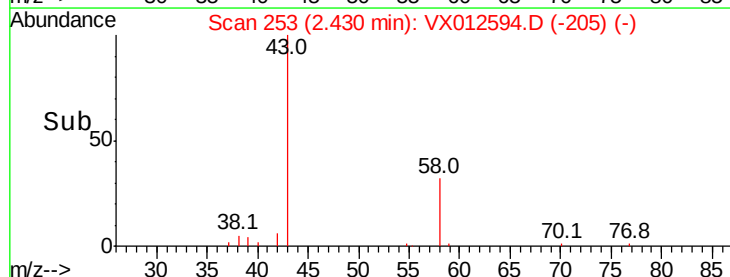
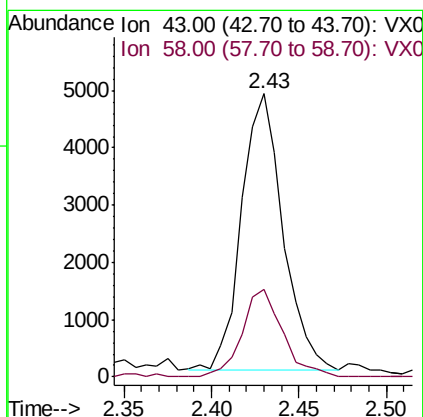
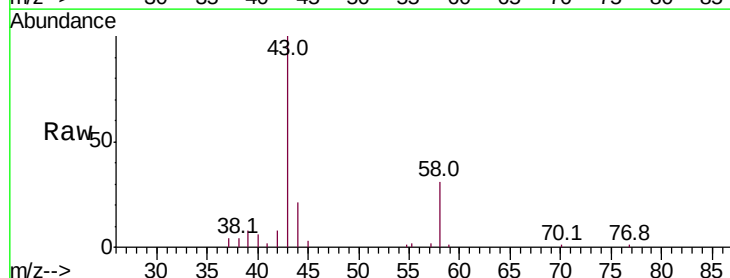
Acq: 23 Sep 2019 10:09

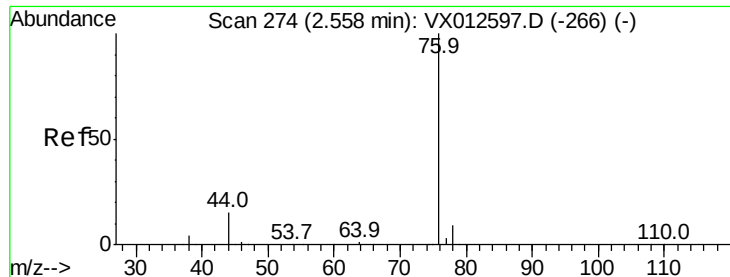
Tgt Ion: 43 Resp: 7958

Ion Ratio Lower Upper

43 100

58 31.9 24.3 36.5





#17

Carbon Disulfide

Concen: 2.821 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX012594.D

Acq: 23 Sep 2019 10:09

Instrument :

MSVOA_X

ClientSampleId :

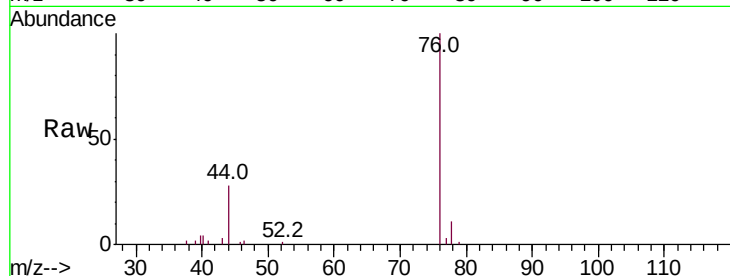
VSTDIC001

Tot Ion: 76 Resp: 6430

Ion Ratio Lower Upper

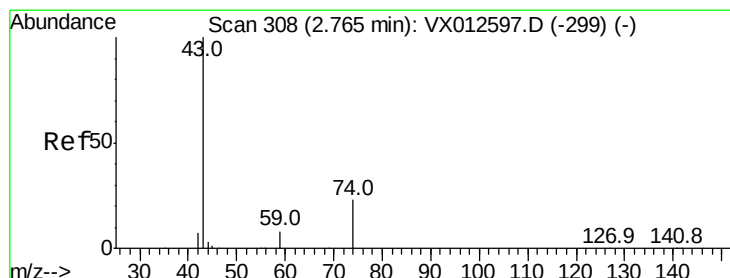
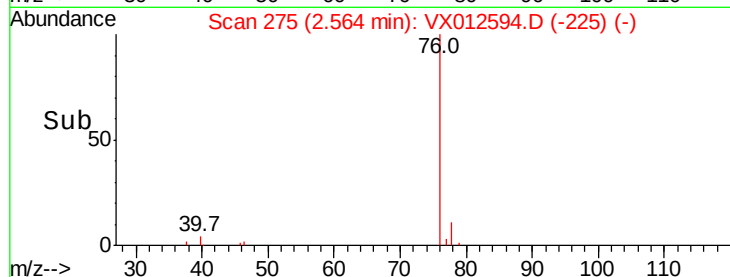
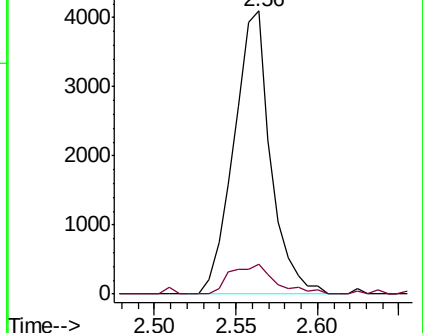
76 100

78 10.5 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 1.319 ug/l

RT: 2.76 min Scan# 308

Delta R.T. 0.00 min

Lab File: VX012594.D

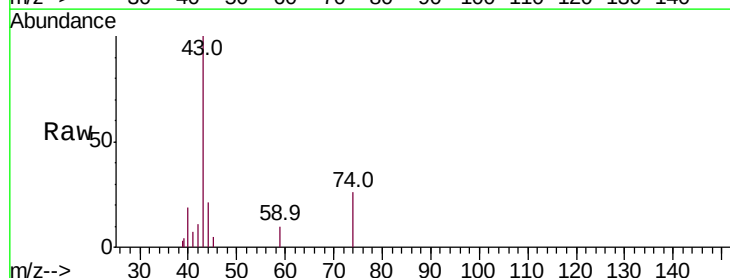
Acq: 23 Sep 2019 10:09

Tgt Ion: 43 Resp: 4121

Ion Ratio Lower Upper

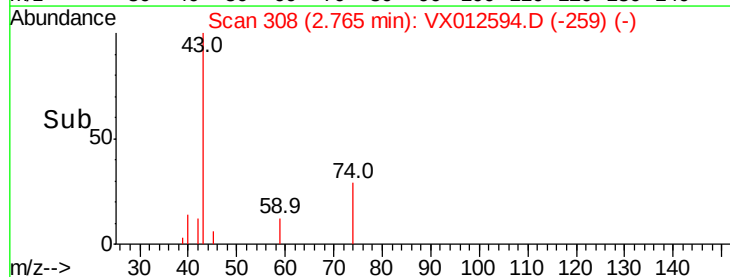
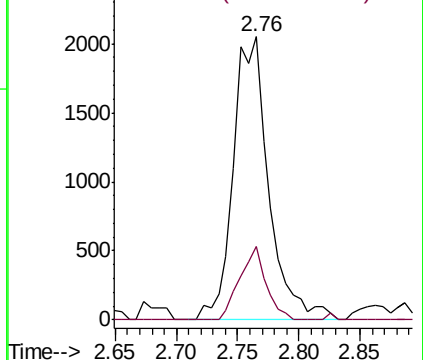
43 100

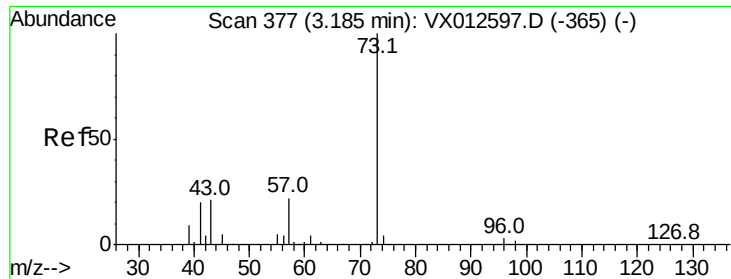
74 19.1 18.6 27.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



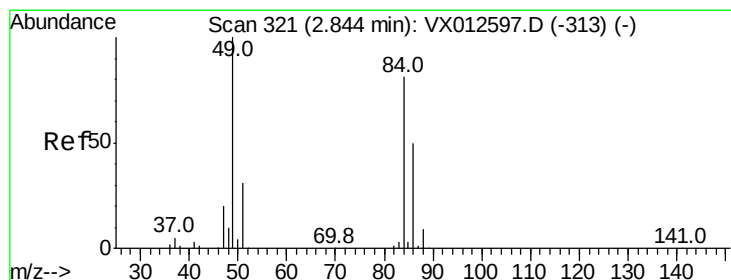
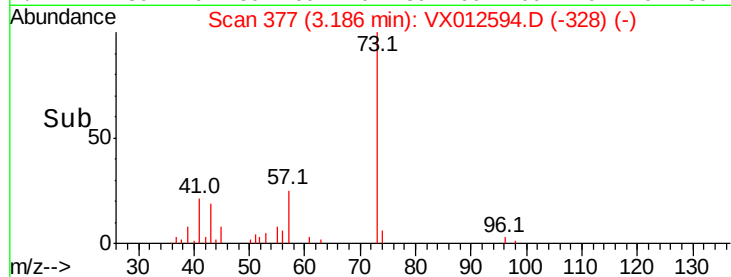
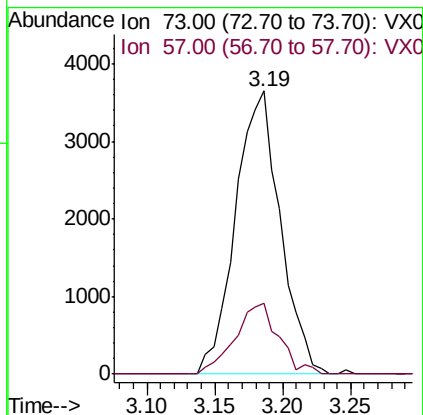
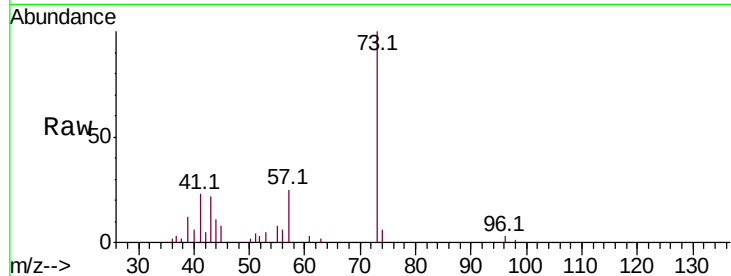


#19

Methvl tert-butyl Ether
 Concen: 1.171 ug/l
 RT: 3.19 min Scan# 377
 Delta R.T. 0.00 min
 Lab File: VX012594.D
 Acq: 23 Sep 2019 10:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

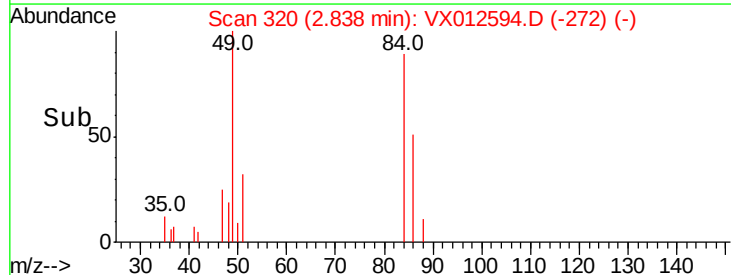
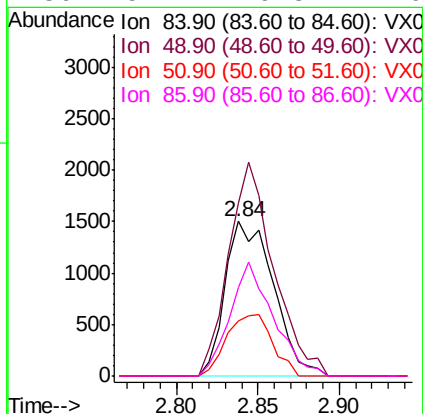
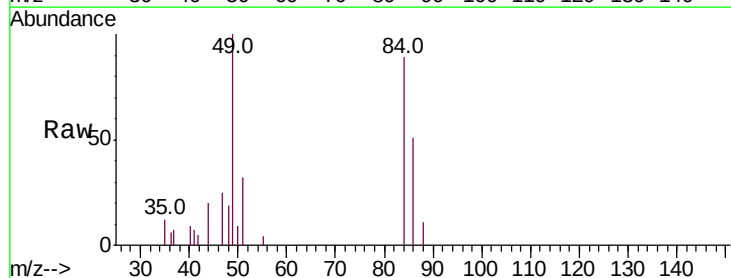
Tot Ion: 73 Resp: 8413
 Ion Ratio Lower Upper
 73 100
 57 24.9 17.5 26.3

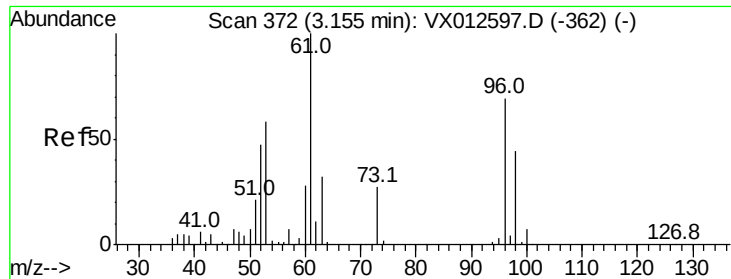


#20

Methylene Chloride
 Concen: 1.627 ug/l
 RT: 2.84 min Scan# 320
 Delta R.T. -0.01 min
 Lab File: VX012594.D
 Acq: 23 Sep 2019 10:09

Tgt Ion: 84 Resp: 3092
 Ion Ratio Lower Upper
 84 100
 49 112.0 99.3 148.9
 51 35.8 30.4 45.6
 86 57.4 49.8 74.6

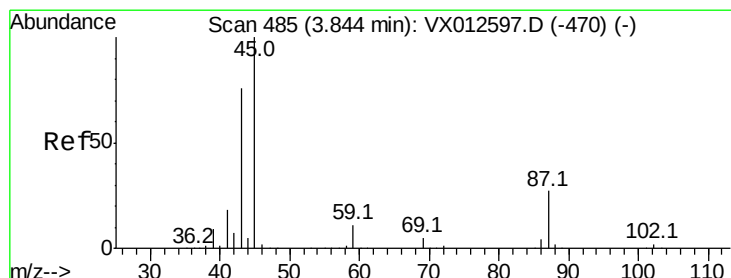
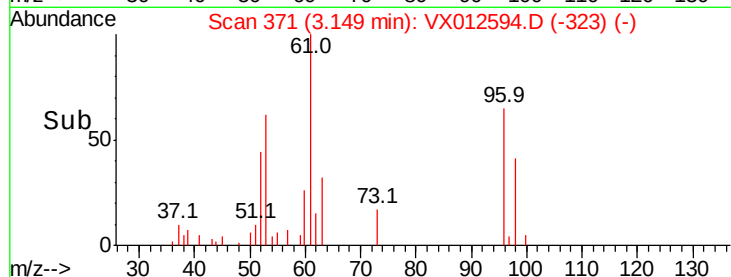
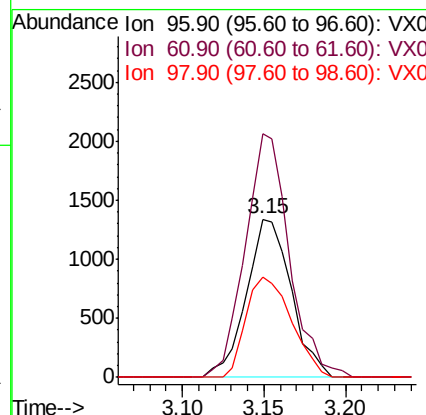
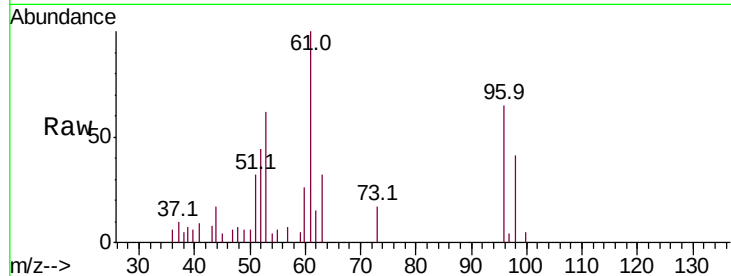




#21
trans-1,2-Dichloroethene
Concen: 1.708 ug/l
RT: 3.15 min Scan# 371
Delta R.T. -0.01 min
Lab File: VX012594.D
Acq: 23 Sep 2019 10:09

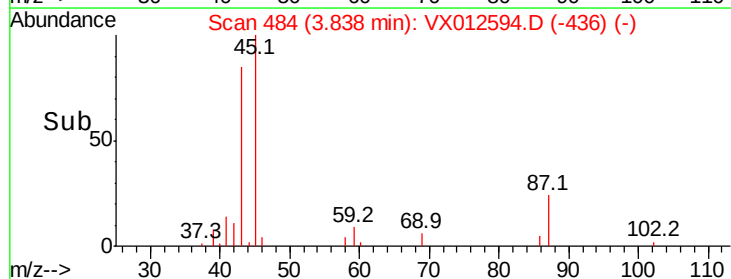
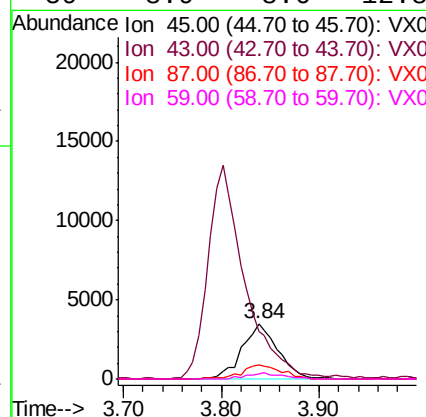
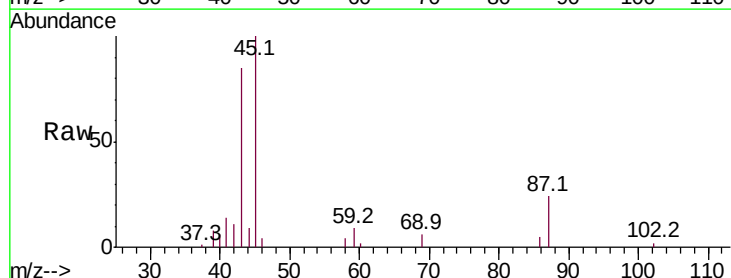
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

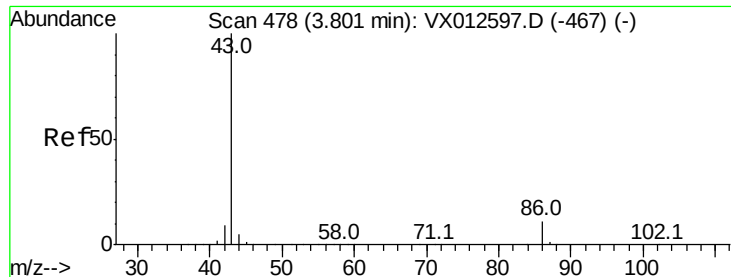
Tot Ion: 96 Resp: 2555
Ion Ratio Lower Upper
96 100
61 153.7 115.7 173.5
98 63.6 50.6 75.8



#22
Diisopropyl ether
Concen: 1.240 ug/l
RT: 3.84 min Scan# 484
Delta R.T. -0.01 min
Lab File: VX012594.D
Acq: 23 Sep 2019 10:09

Tgt Ion: 45 Resp: 8914
Ion Ratio Lower Upper
45 100
43 79.6 60.8 91.2
87 24.4 21.9 32.9
59 8.9 8.6 12.8





#23

Vinyl Acetate

Concen: 5.903 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX012594.D

Acq: 23 Sep 2019 10:09

Instrument :

MSVOA_X

ClientSampleId :

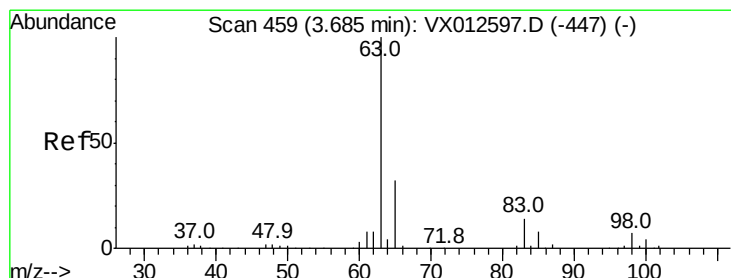
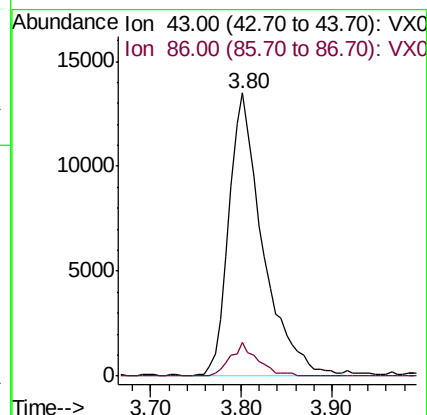
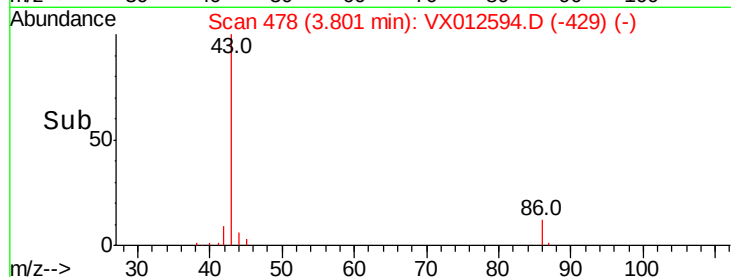
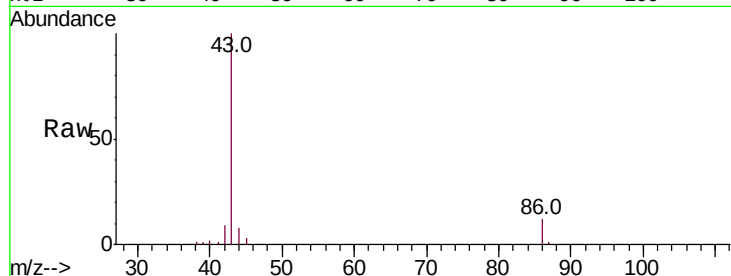
VSTDIC001

Tot Ion: 43 Resp: 35268

Ion Ratio Lower Upper

43 100

86 11.9 8.4 12.6



#24

1,1-Dichloroethane

Concen: 1.366 ug/l

RT: 3.68 min Scan# 458

Delta R.T. -0.01 min

Lab File: VX012594.D

Acq: 23 Sep 2019 10:09

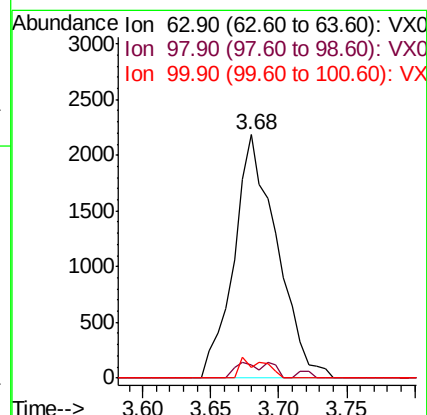
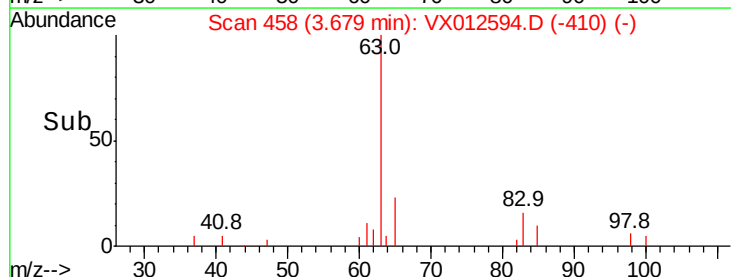
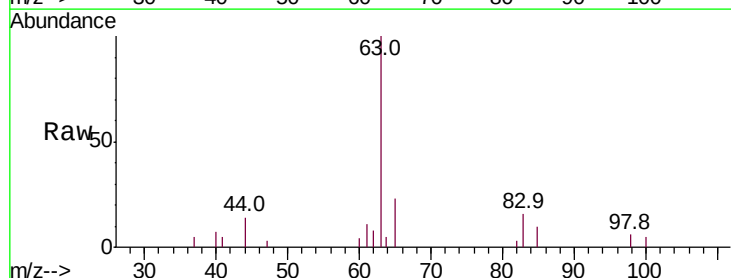
Tgt Ion: 63 Resp: 4807

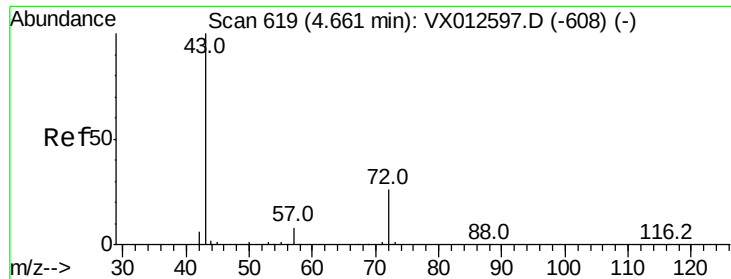
Ion Ratio Lower Upper

63 100

98 5.6 3.5 10.4

100 4.6 2.0 6.0





#25

2-Butanone

Concen: 5.415 ug/l

RT: 4.67 min Scan# 620

Delta R.T. 0.01 min

Lab File: VX012594.D

Acq: 23 Sep 2019 10:09

Instrument :

MSVOA_X

ClientSampleId :

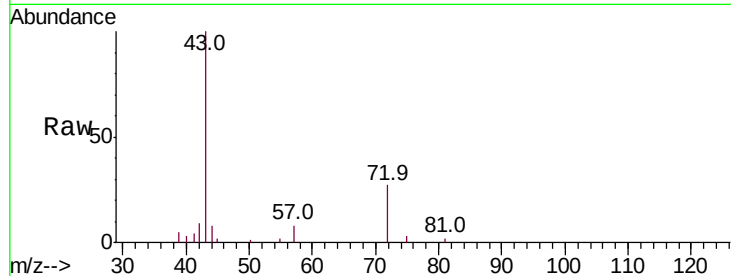
VSTDIC001

Tot Ion: 43 Resp: 11182

Ion Ratio Lower Upper

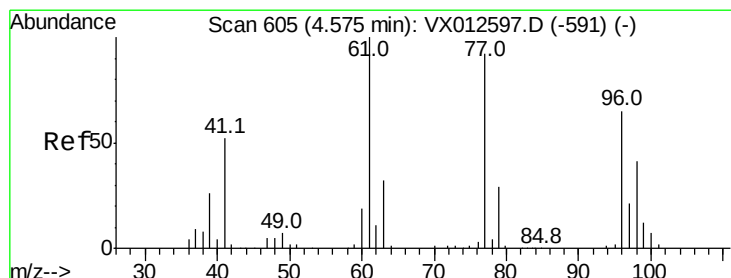
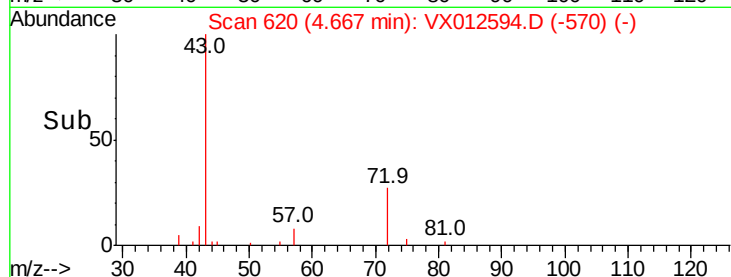
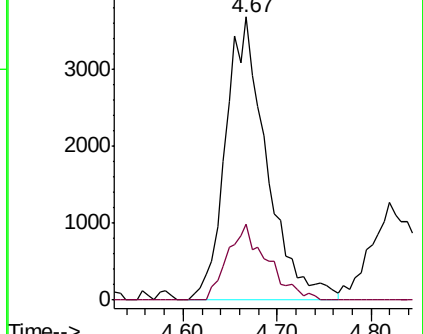
43 100

72 27.0 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: 1.284 ug/l

RT: 4.56 min Scan# 602

Delta R.T. -0.02 min

Lab File: VX012594.D

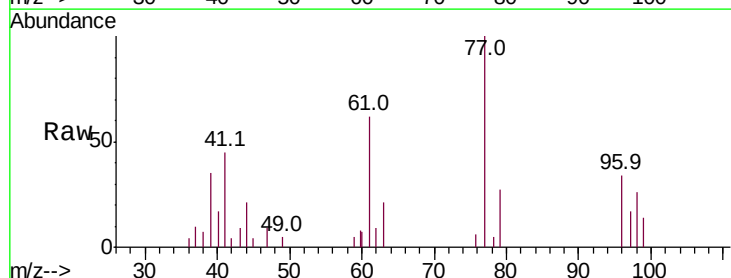
Acq: 23 Sep 2019 10:09

Tgt Ion: 77 Resp: 4364

Ion Ratio Lower Upper

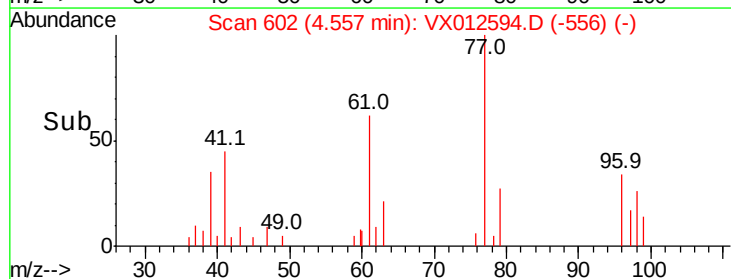
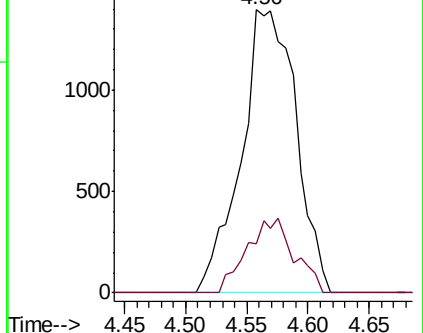
77 100

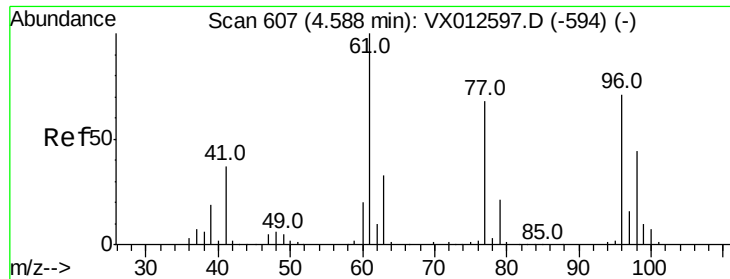
97 22.6 10.9 32.9



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: 1.478 ug/l

RT: 4.58 min Scan# 605

Delta R.T. -0.01 min

Lab File: VX012594.D

Acq: 23 Sep 2019 10:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

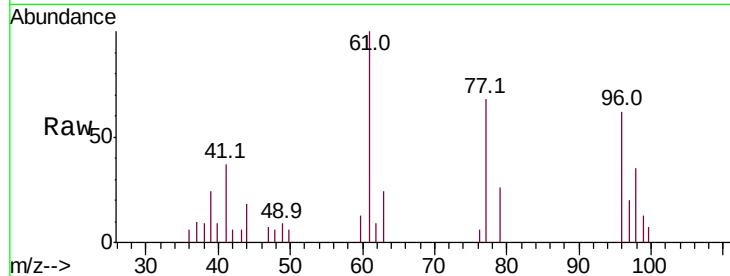
Tot Ion: 96 Resp: 3124

Ion Ratio Lower Upper

96 100

61 156.4 0.0 303.8

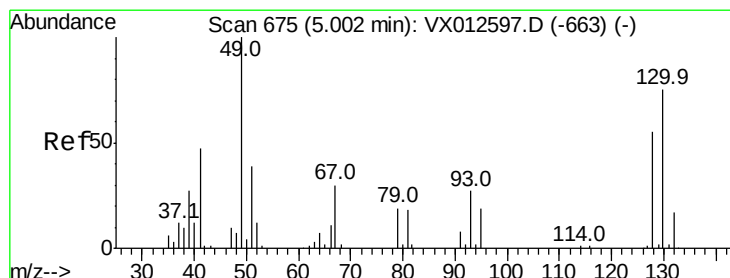
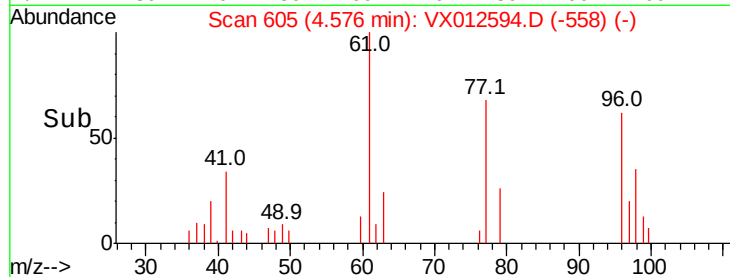
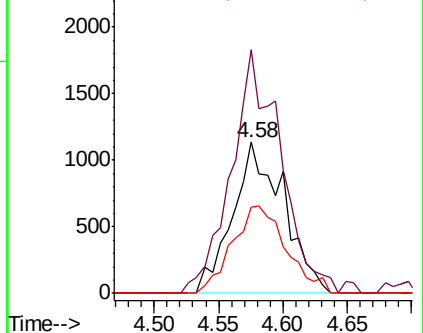
98 60.8 0.0 127.6



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: 0.517 ug/l

RT: 4.98 min Scan# 672

Delta R.T. -0.02 min

Lab File: VX012594.D

Acq: 23 Sep 2019 10:09

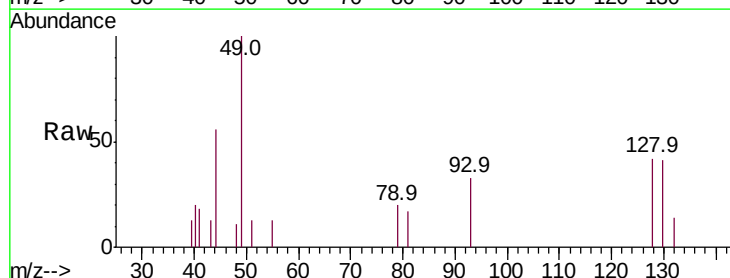
Tgt Ion: 49 Resp: 893

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.0

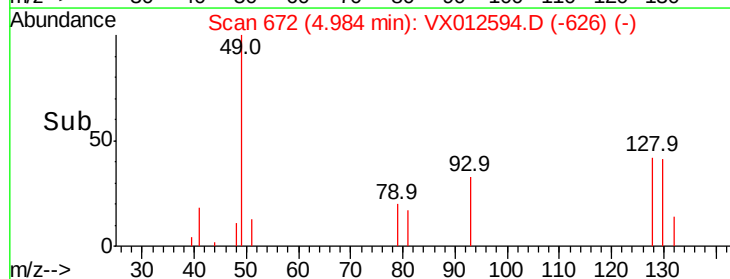
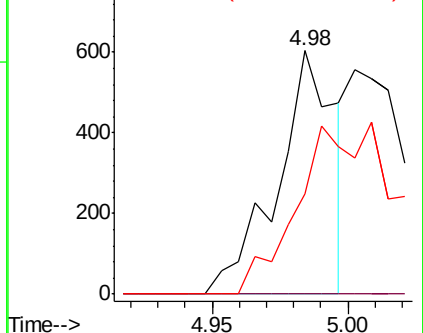
130 0.0 57.0 85.6#

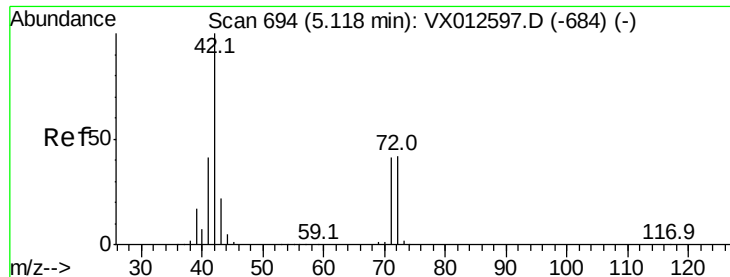


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

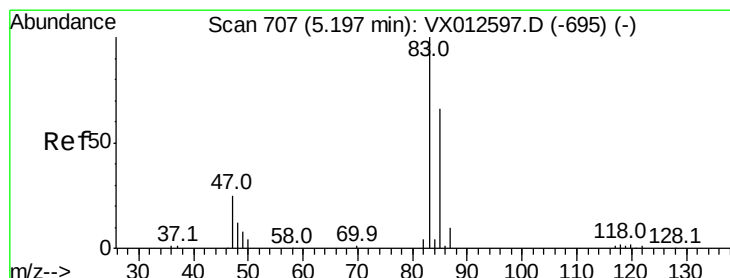
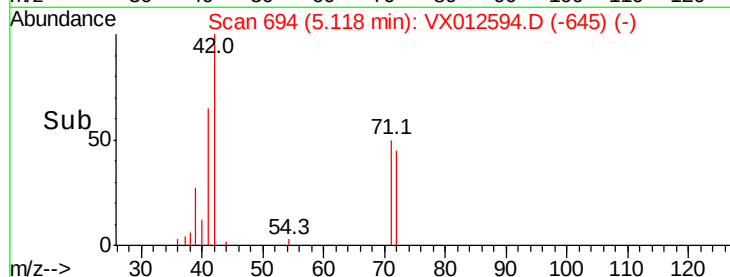
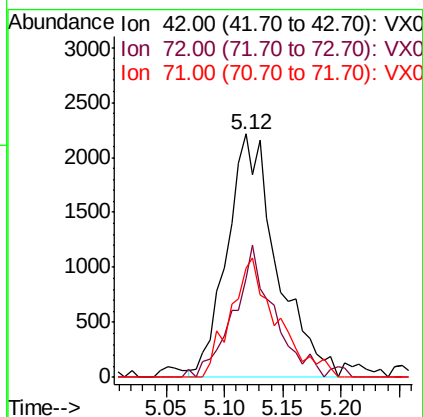
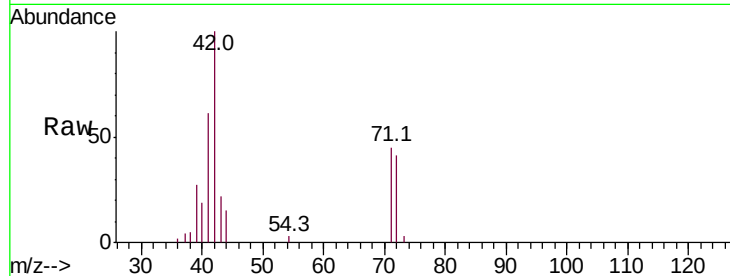




#29
Tetrahydrofuran
Concen: 5.703 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.00 min
Lab File: VX012594.D
Acq: 23 Sep 2019 10:09

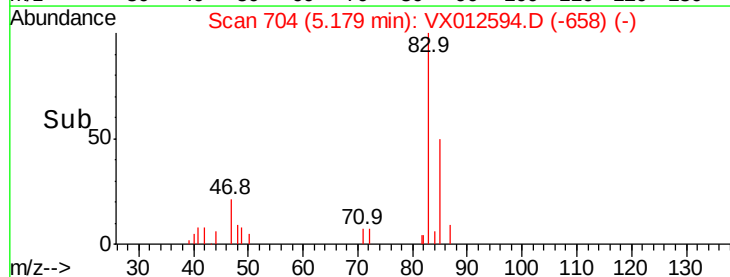
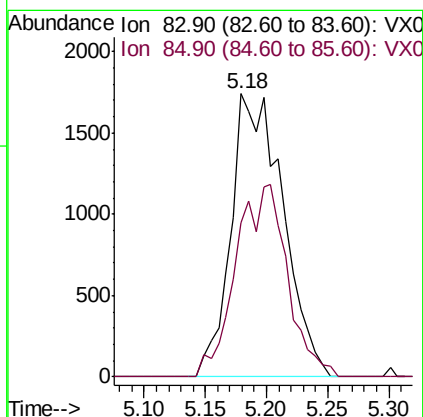
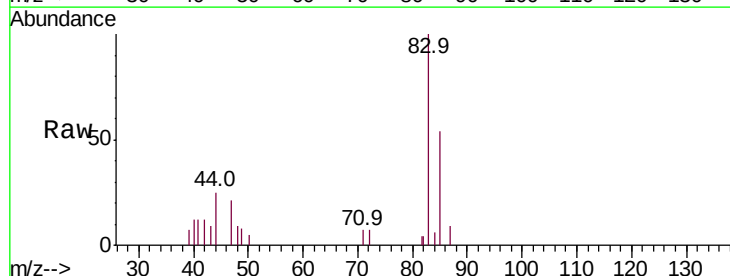
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

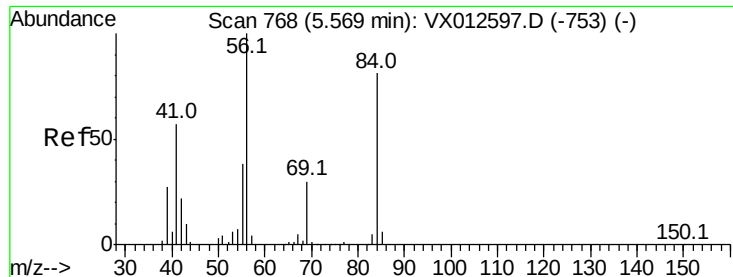
Tot Ion: 42 Resp: 6586
Ion Ratio Lower Upper
42 100
72 43.7 34.6 51.8
71 45.5 32.6 48.8



#30
Chloroform
Concen: 1.297 ug/l
RT: 5.18 min Scan# 704
Delta R.T. -0.02 min
Lab File: VX012594.D
Acq: 23 Sep 2019 10:09

Tgt Ion: 83 Resp: 5129
Ion Ratio Lower Upper
83 100
85 54.5 52.6 78.8

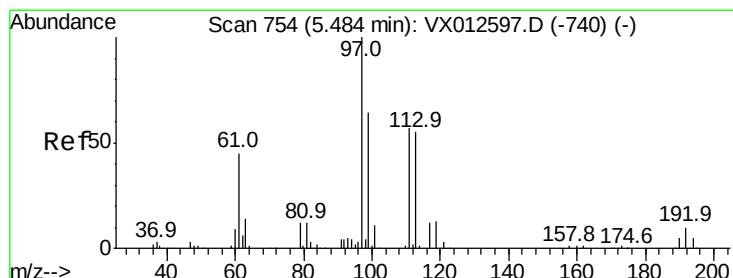
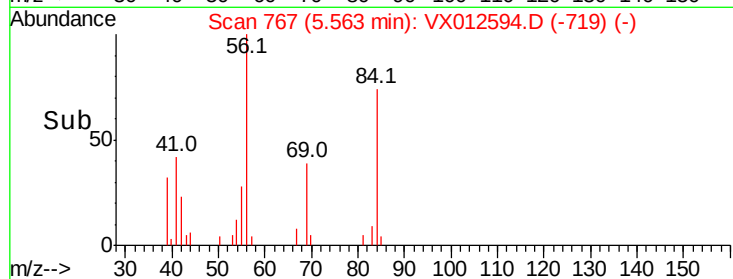
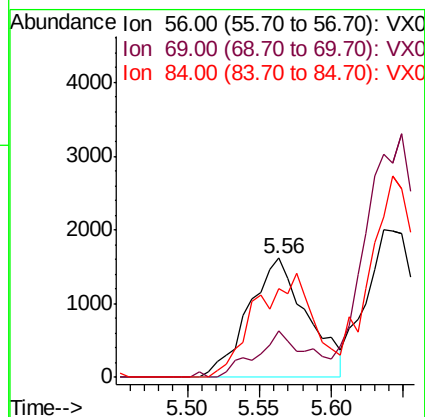
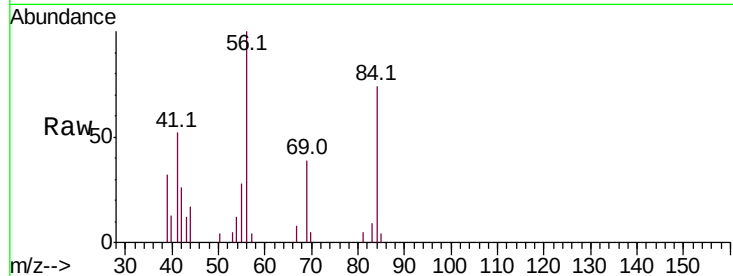




#31
Cyclohexane
Concen: 1.919 ug/l
RT: 5.56 min Scan# 767
Delta R.T. -0.01 min
Lab File: VX012594.D
Acq: 23 Sep 2019 10:09

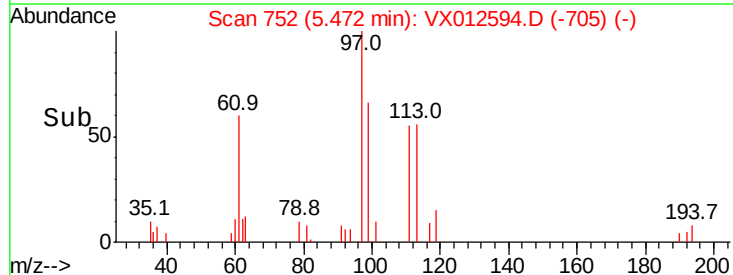
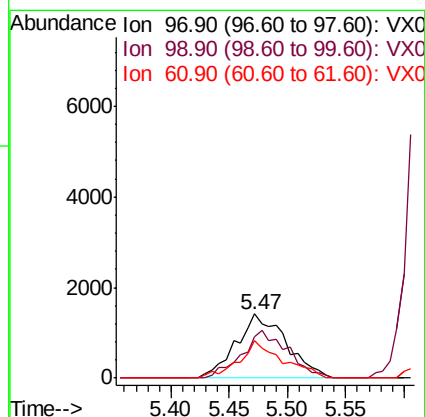
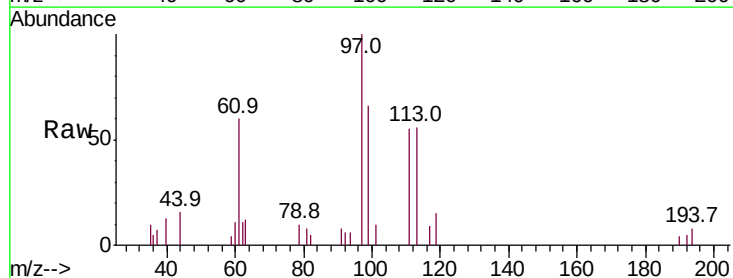
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

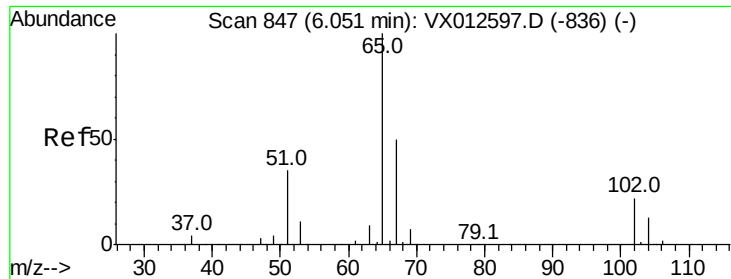
Tot Ion: 56 Resp: 4602
Ion Ratio Lower Upper
56 100
69 38.9 24.3 36.5#
84 74.3 65.0 97.6



#32
1,1,1-Trichloroethane
Concen: 1.267 ug/l
RT: 5.47 min Scan# 752
Delta R.T. -0.01 min
Lab File: VX012594.D
Acq: 23 Sep 2019 10:09

Tgt Ion: 97 Resp: 4233
Ion Ratio Lower Upper
97 100
99 0.0 51.3 76.9#
61 50.7 35.5 53.3

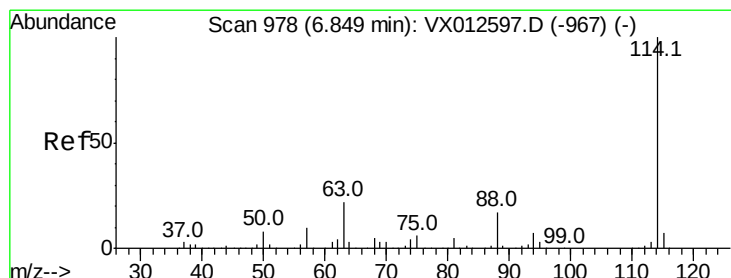
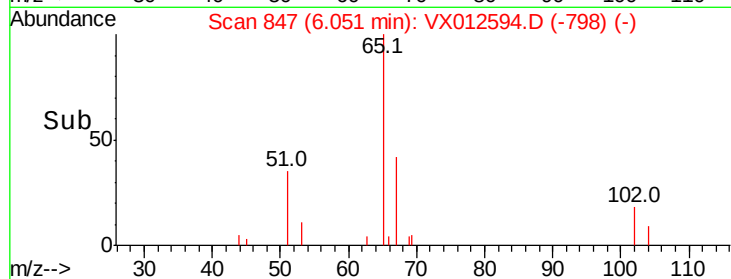
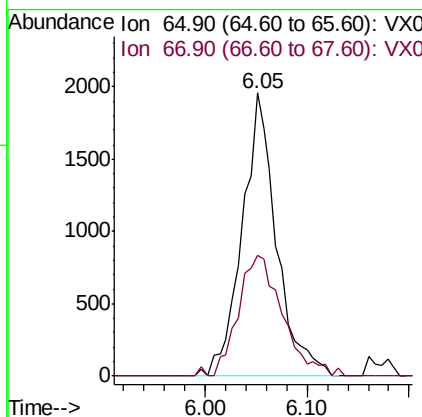
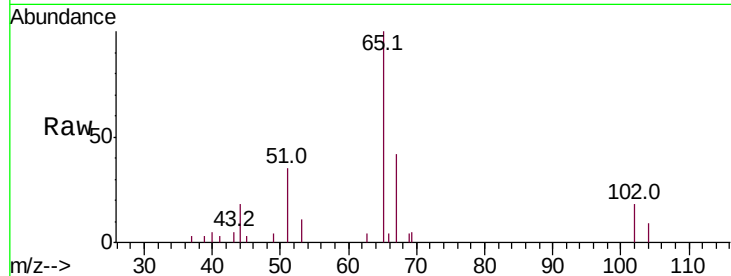




#33
 1,2-Dichloroethane-d4
 Concen: 1.543 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX012594.D
 Acq: 23 Sep 2019 10:09

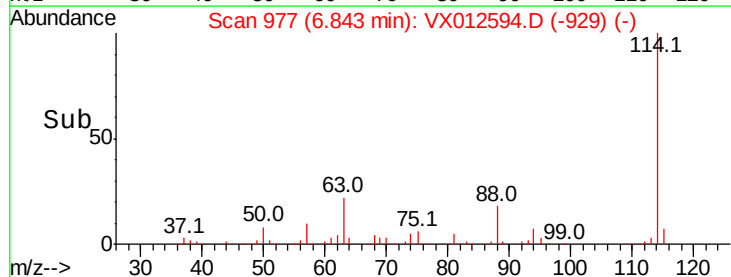
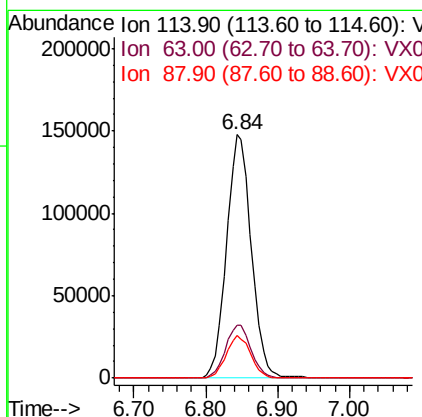
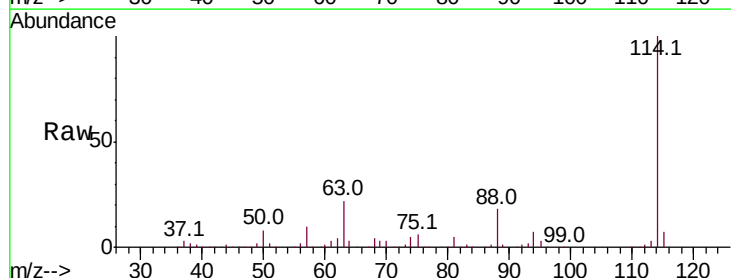
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

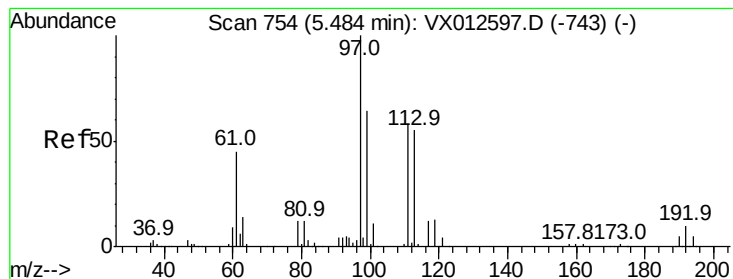
Tot Ion: 65 Resp: 4588
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 977
 Delta R.T. -0.01 min
 Lab File: VX012594.D
 Acq: 23 Sep 2019 10:09

Tgt Ion: 114 Resp: 354701
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 44.4
 88 17.5 0.0 33.2





#35

Dibromofluoromethane

Concen: 1.292 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX012594.D

Acq: 23 Sep 2019 10:09

Instrument :

MSVOA_X

ClientSampled :

VSTDIC001

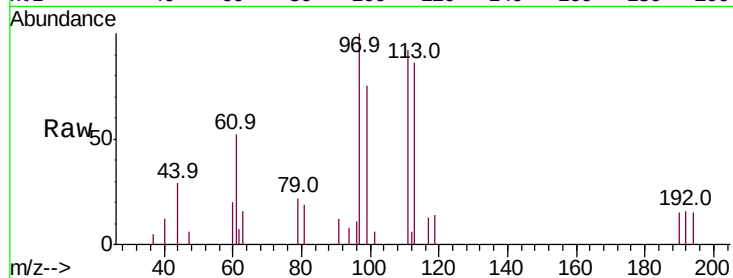
Tot Ion:113 Resp: 2783

Ion Ratio Lower Upper

113 100

111 101.7 81.8 122.6

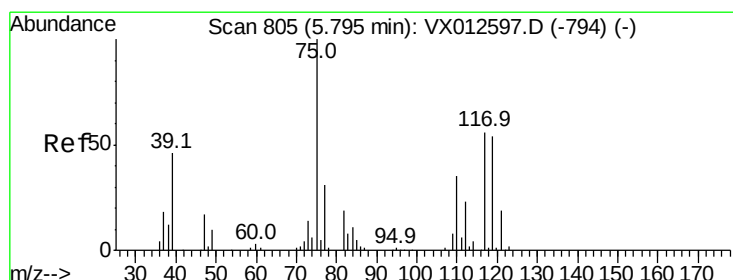
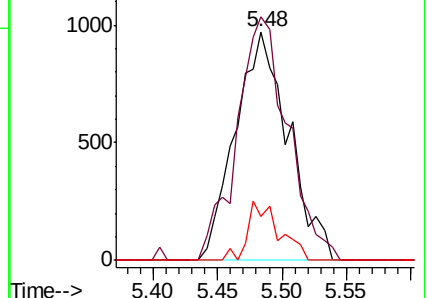
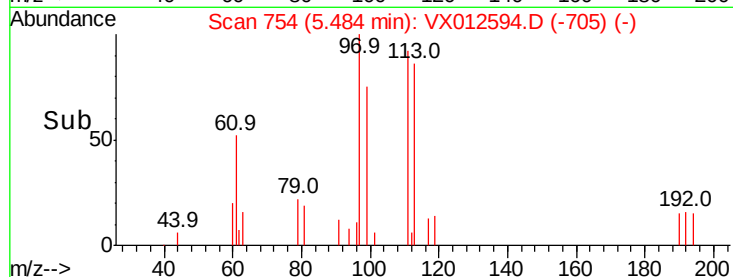
192 14.9 14.5 21.7



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: 1.615 ug/l

RT: 5.79 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX012594.D

Acq: 23 Sep 2019 10:09

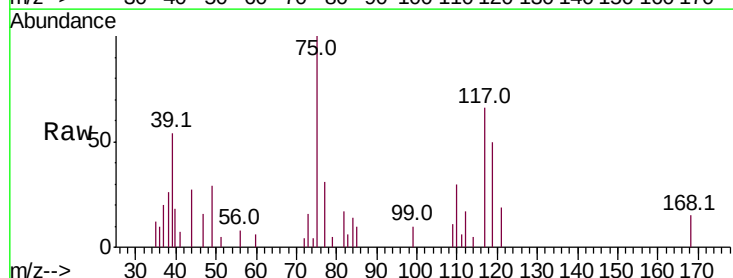
Tgt Ion: 75 Resp: 3723

Ion Ratio Lower Upper

75 100

110 37.1 17.6 52.8

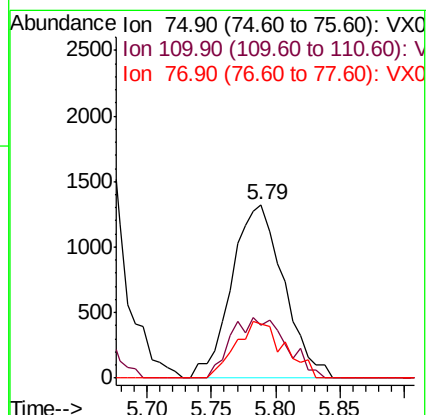
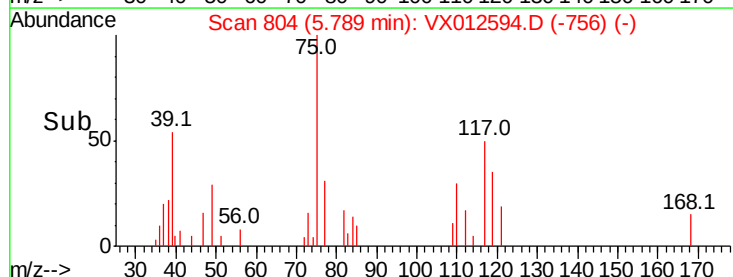
77 30.4 25.1 37.7

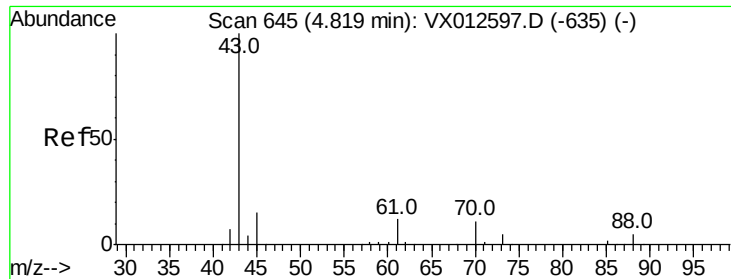


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 1.166 ug/l

RT: 4.82 min Scan# 645

Delta R.T. 0.00 min

Lab File: VX012594.D

Acq: 23 Sep 2019 10:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

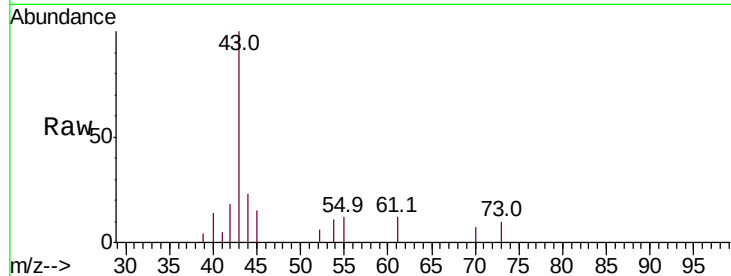
Tot Ion: 43 Resp: 3900

Ion Ratio Lower Upper

43 100

61 10.5 10.8 16.2#

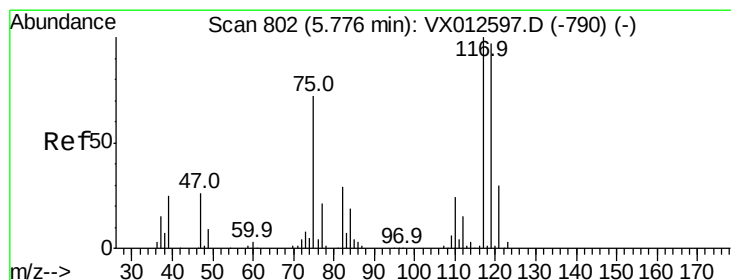
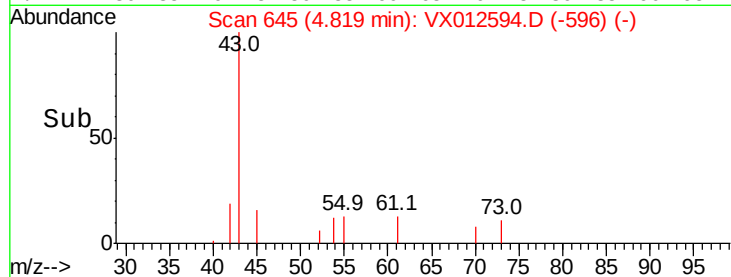
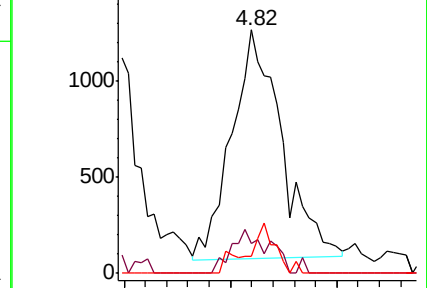
70 9.7 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 1.263 ug/l

RT: 5.77 min Scan# 801

Delta R.T. -0.01 min

Lab File: VX012594.D

Acq: 23 Sep 2019 10:09

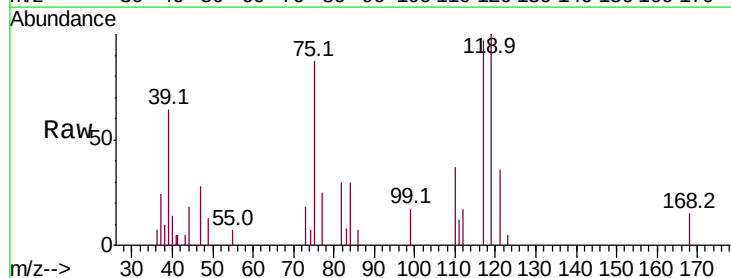
Tgt Ion: 117 Resp: 3495

Ion Ratio Lower Upper

117 100

119 103.0 77.1 115.7

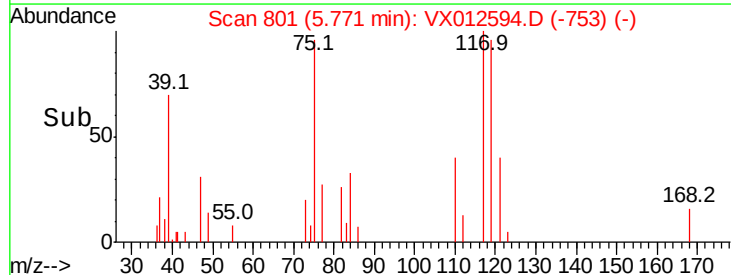
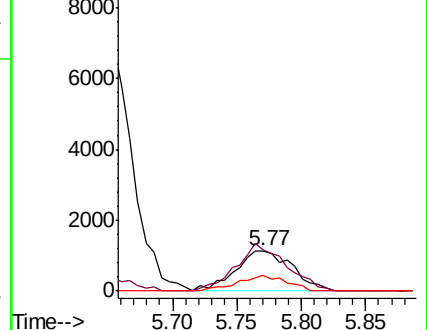
121 37.4 23.7 35.5#

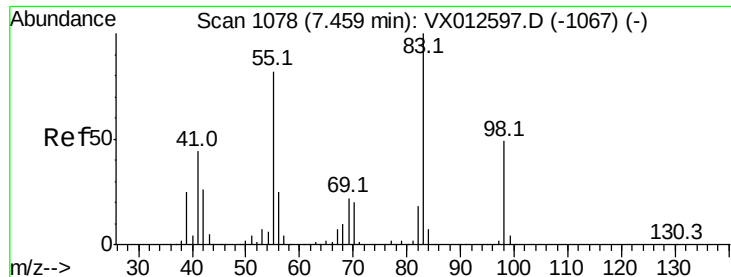


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

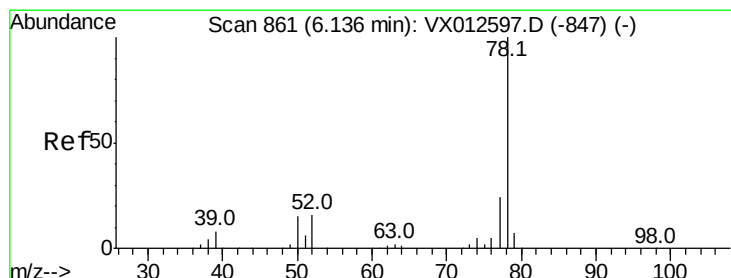
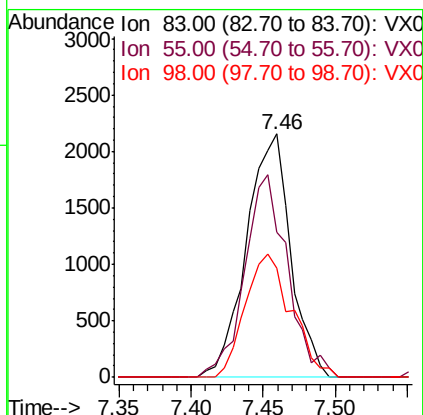
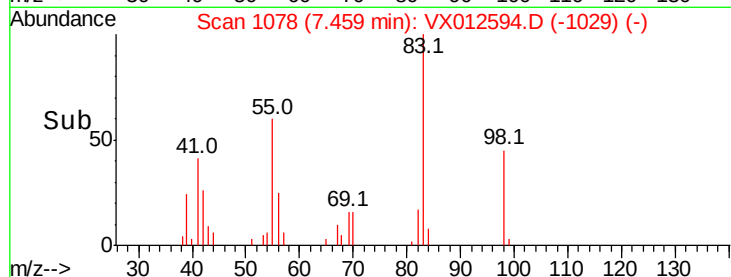
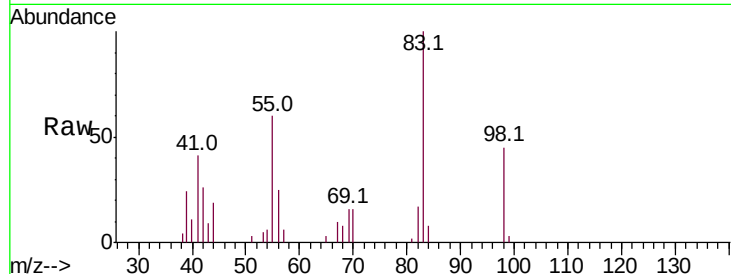




#39
Methylvlcyclohexane
Concen: 1.948 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VX012594.D
Acq: 23 Sep 2019 10:09

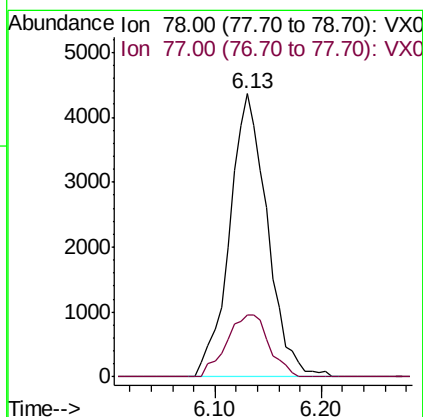
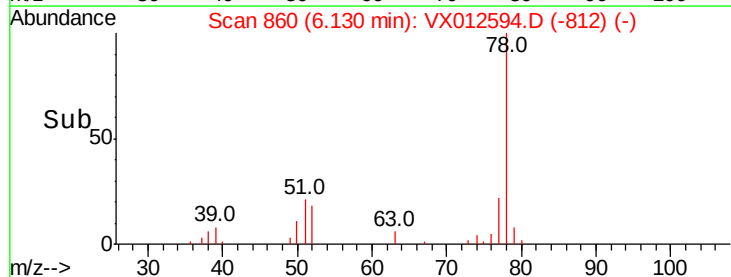
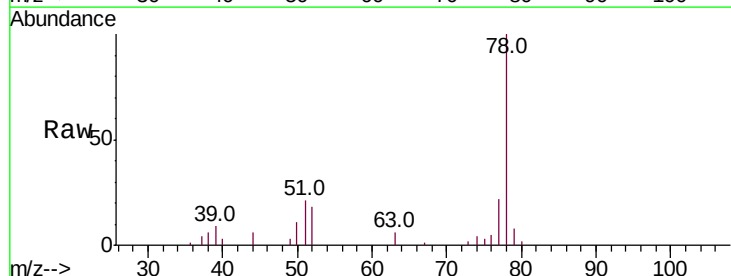
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

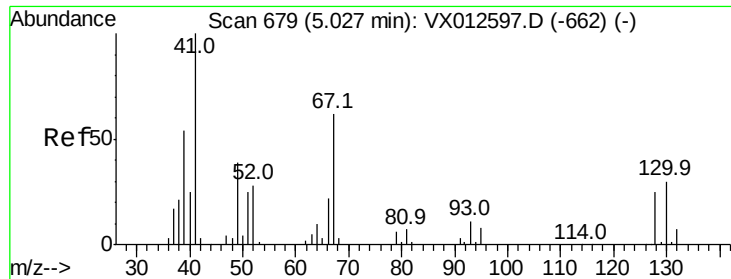
Tot Ion: 83 Resp: 4575
Ion Ratio Lower Upper
83 100
55 59.5 65.6 98.4#
98 45.0 39.4 59.0



#40
Benzene
Concen: 1.493 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.01 min
Lab File: VX012594.D
Acq: 23 Sep 2019 10:09

Tgt Ion: 78 Resp: 10825
Ion Ratio Lower Upper
78 100
77 22.0 19.0 28.6

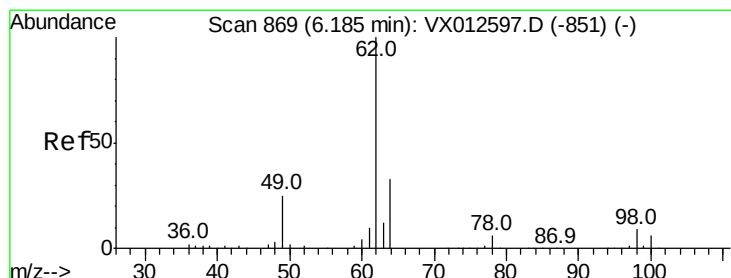
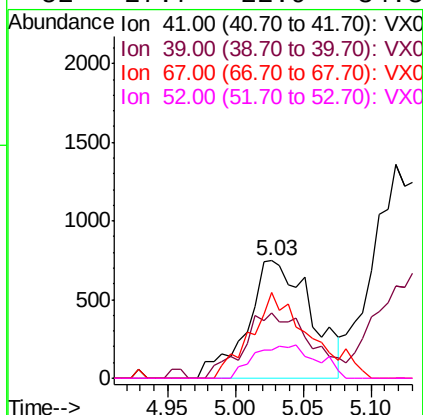
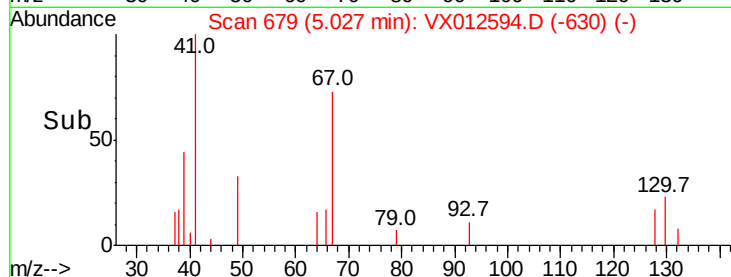
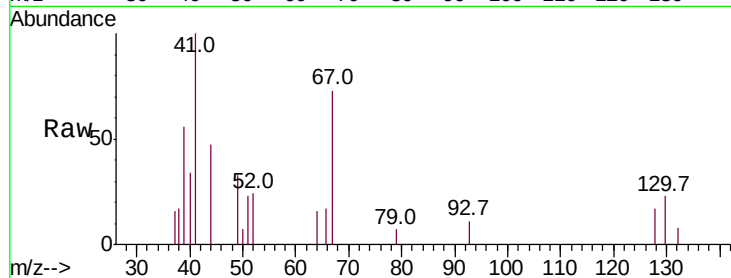




#41
Methacrylonitrile
Concen: 1.150 ug/l
RT: 5.03 min Scan# 679
Delta R.T. 0.00 min
Lab File: VX012594.D
Acq: 23 Sep 2019 10:09

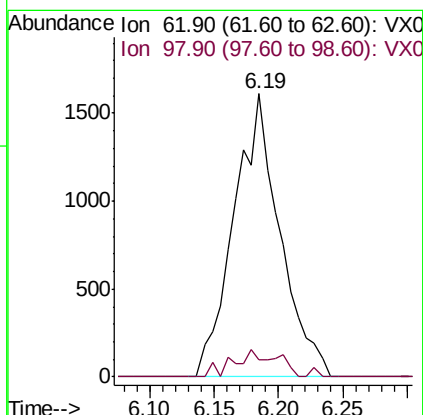
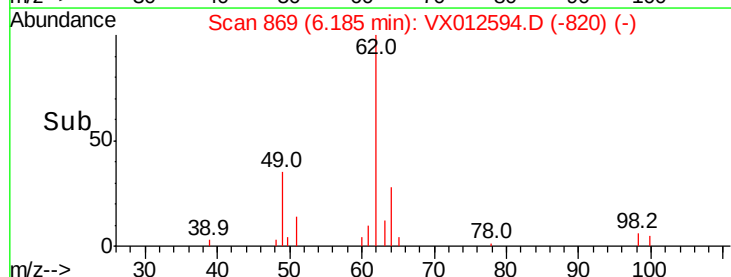
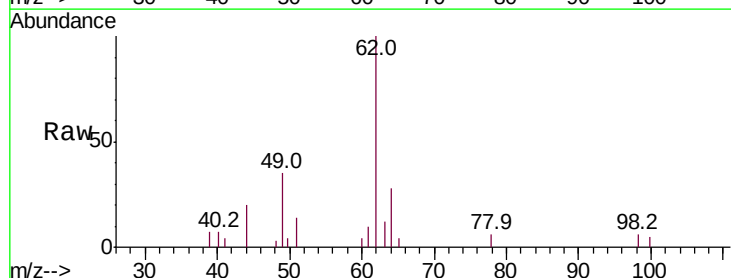
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

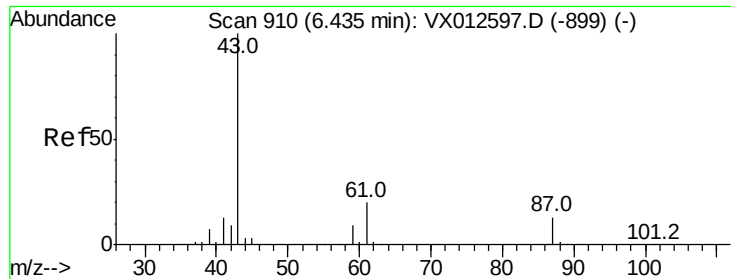
Tot Ion:	41	Resp:	2443
Ion	Ratio	Lower	Upper
41	100		
39	59.1	44.2	66.4
67	67.5	55.2	82.8
52	27.7	22.9	34.3



#42
1,2-Dichloroethane
Concen: 1.231 ug/l
RT: 6.19 min Scan# 869
Delta R.T. 0.00 min
Lab File: VX012594.D
Acq: 23 Sep 2019 10:09

Tgt Ion:	62	Resp:	3991
Ion	Ratio	Lower	Upper
62	100		
98	6.4	0.0	18.4





#43

Isopropyl Acetate

Concen: 1.189 ug/l

RT: 6.44 min Scan# 910

Delta R.T. 0.00 min

Lab File: VX012594.D

Acq: 23 Sep 2019 10:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

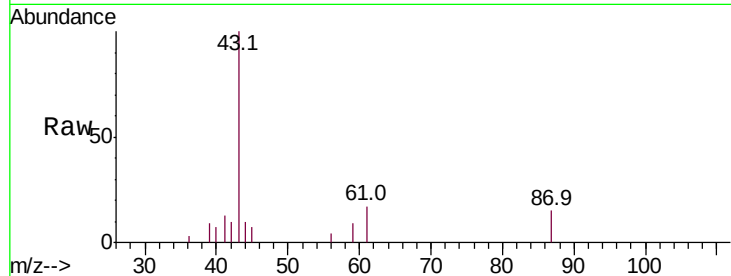
Tot Ion: 43 Resp: 7076

Ion Ratio Lower Upper

43 100

61 16.9 15.8 23.8

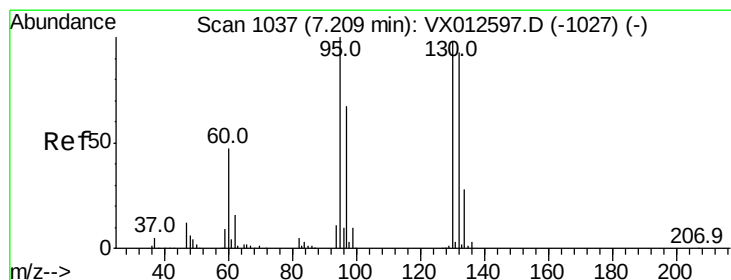
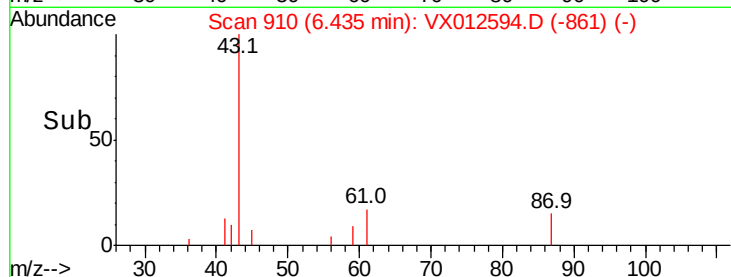
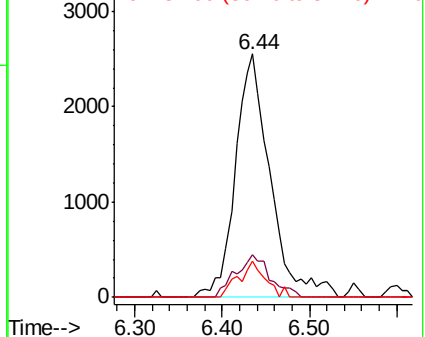
87 11.4 10.2 15.4



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: 1.450 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. -0.01 min

Lab File: VX012594.D

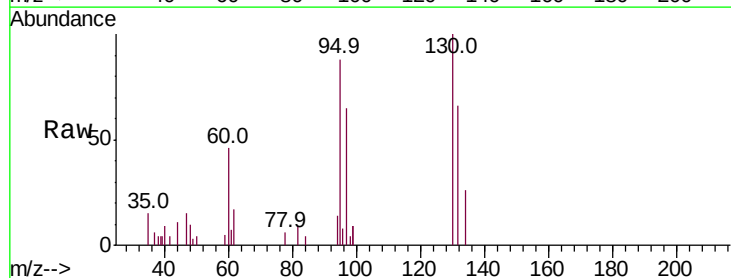
Acq: 23 Sep 2019 10:09

Tgt Ion:130 Resp: 2733

Ion Ratio Lower Upper

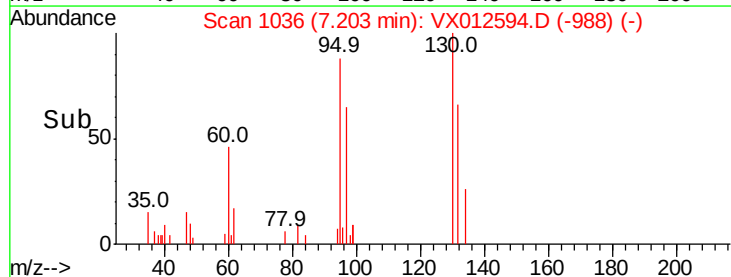
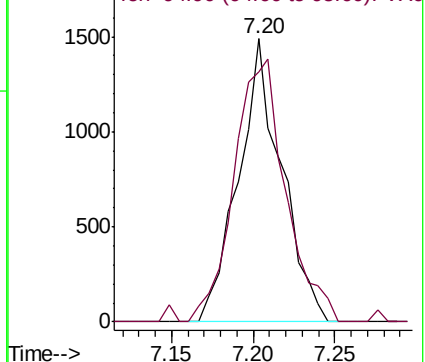
130 100

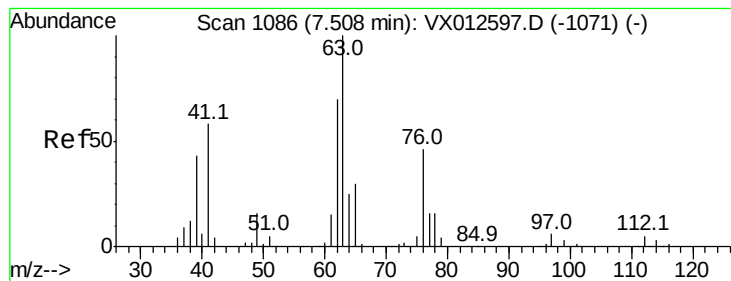
95 88.2 0.0 204.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 1.252 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX012594.D

Acq: 23 Sep 2019 10:09

Instrument :

MSVOA_X

ClientSampleId :

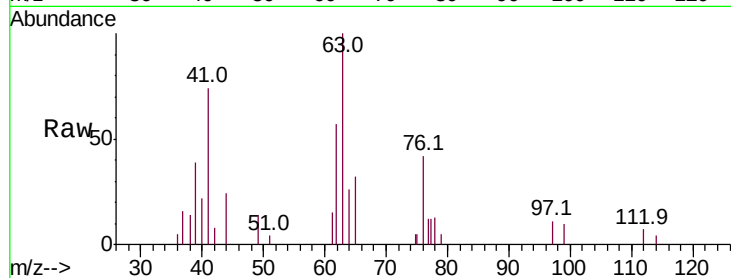
VSTDIC001

Tot Ion: 63 Resp: 2696

Ion Ratio Lower Upper

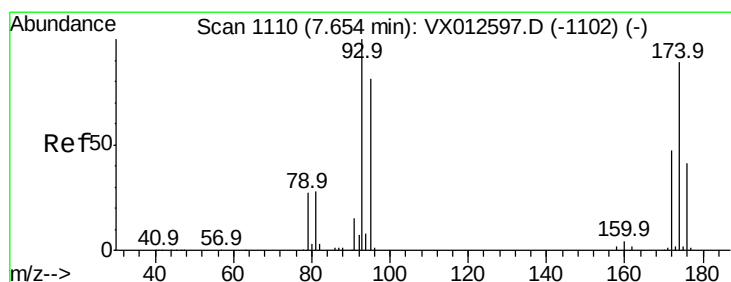
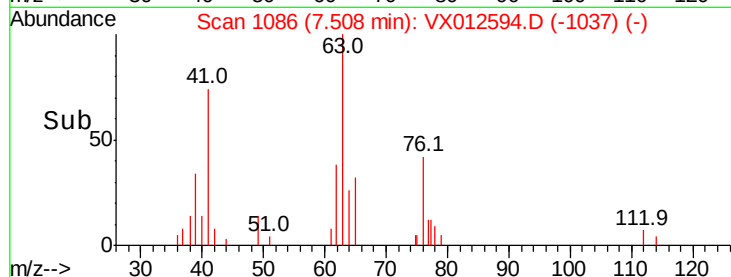
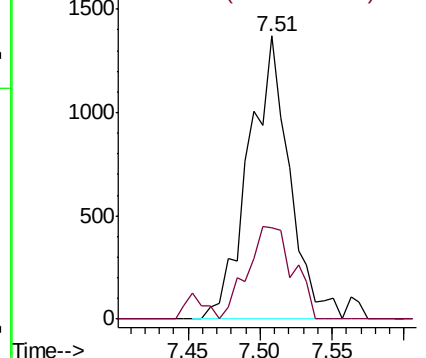
63 100

65 32.4 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: 1.398 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VX012594.D

Acq: 23 Sep 2019 10:09

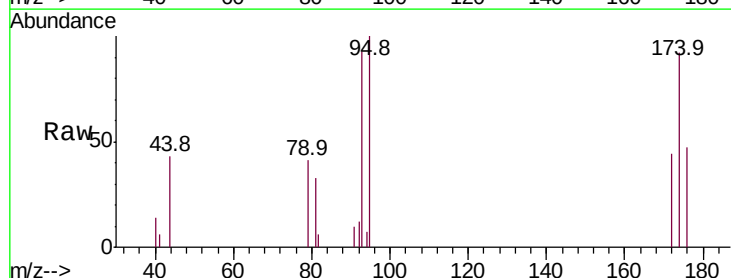
Tgt Ion: 93 Resp: 1961

Ion Ratio Lower Upper

93 100

95 72.3 65.4 98.0

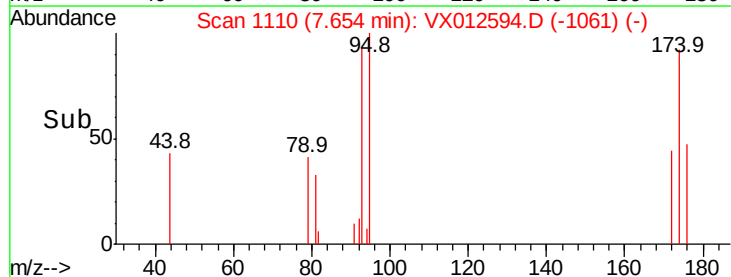
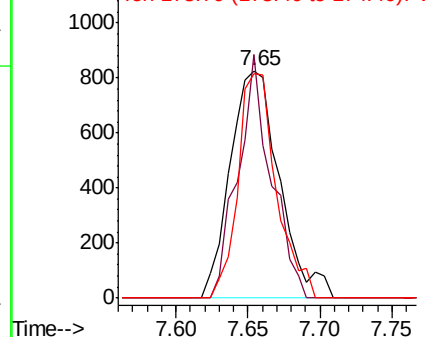
174 77.3 72.0 108.0

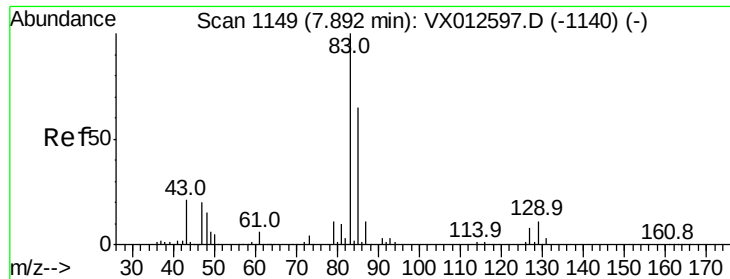


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 1.146 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX012594.D

Acq: 23 Sep 2019 10:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

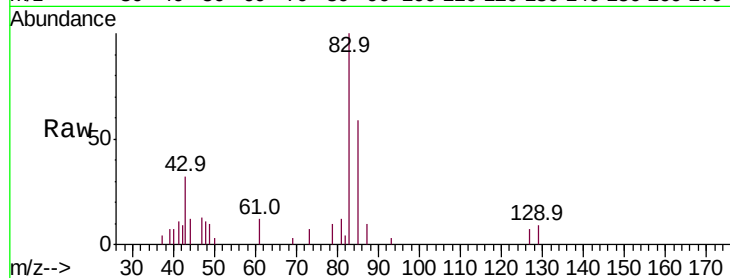
Tot Ion: 83 Resp: 3509

Ion Ratio Lower Upper

83 100

85 59.2 51.8 77.6

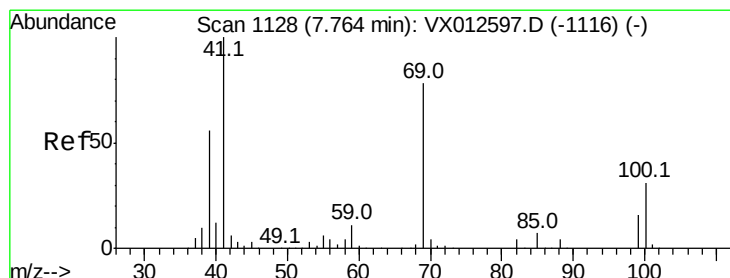
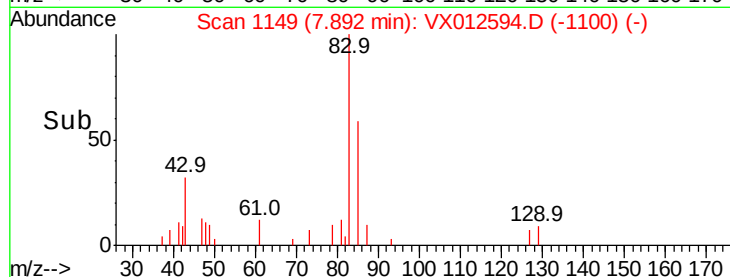
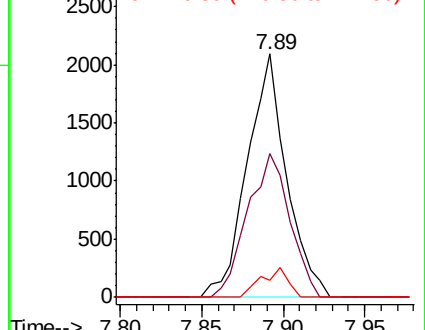
127 7.0 6.2 9.4



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: 1.110 ug/l

RT: 7.76 min Scan# 1128

Delta R.T. 0.00 min

Lab File: VX012594.D

Acq: 23 Sep 2019 10:09

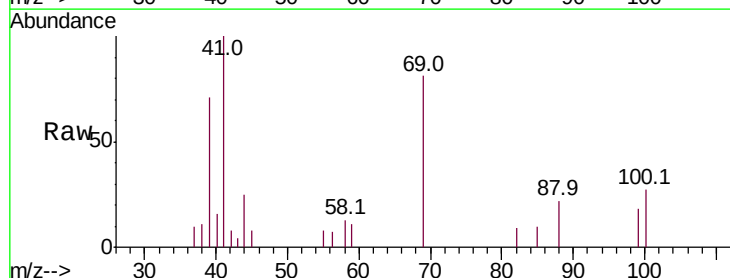
Tgt Ion: 41 Resp: 3131

Ion Ratio Lower Upper

41 100

69 80.6 62.6 93.8

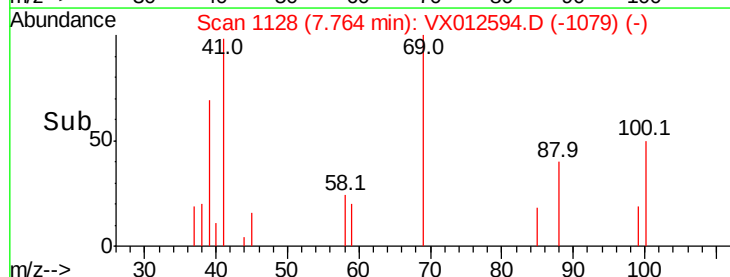
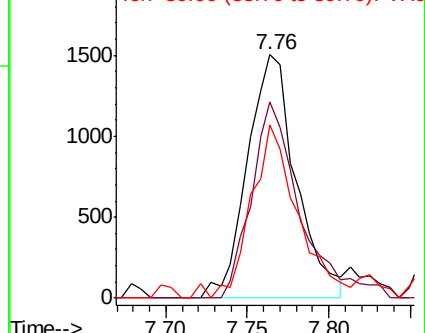
39 67.4 44.4 66.6#

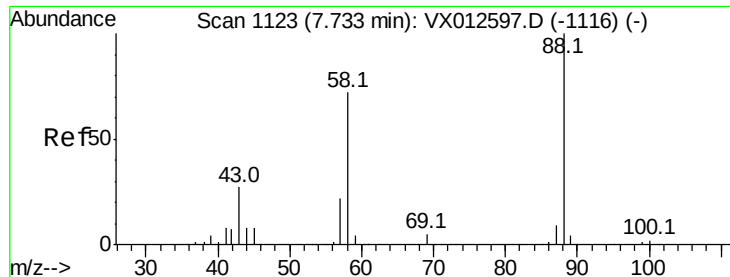


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 19.210 ug/l

RT: 7.74 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VX012594.D

Acq: 23 Sep 2019 10:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

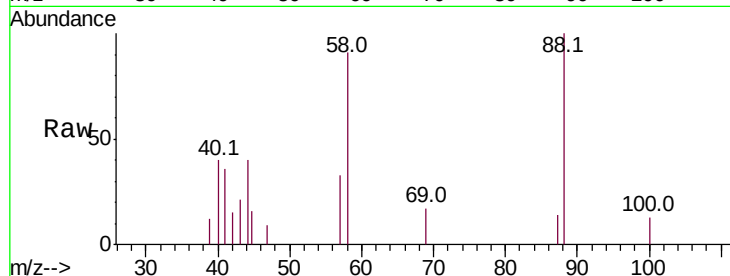
Tot Ion: 88 Resp: 1315

Ion Ratio Lower Upper

88 100

43 16.1 27.6 41.4#

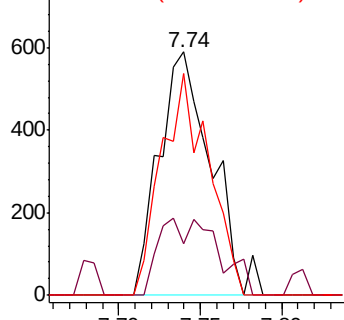
58 82.4 57.1 85.7



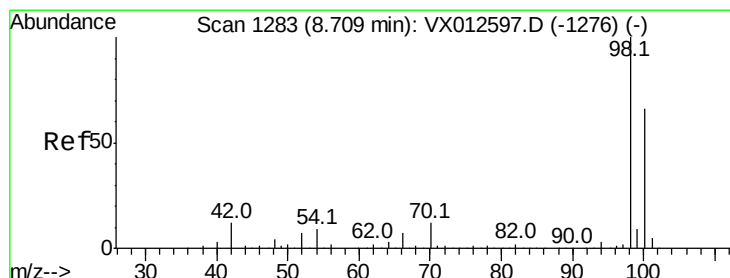
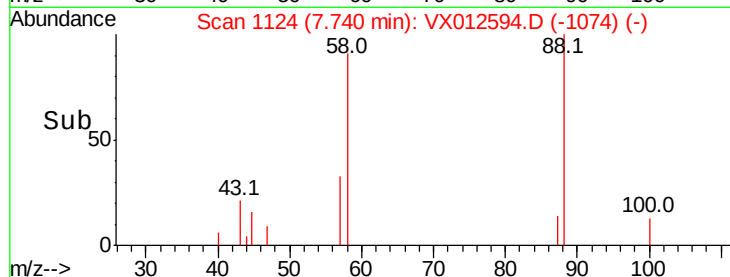
Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#50

Toluene-d8

Concen: 1.246 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX012594.D

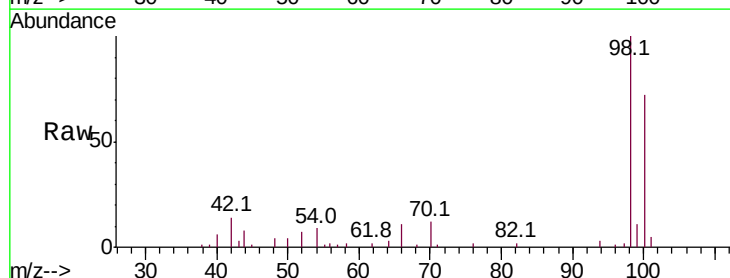
Acq: 23 Sep 2019 10:09

Tgt Ion: 98 Resp: 9991

Ion Ratio Lower Upper

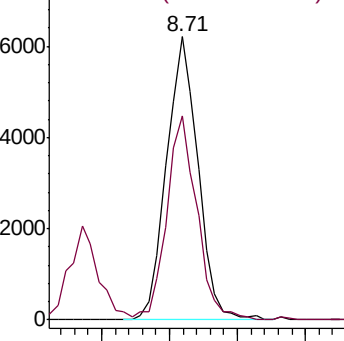
98 100

100 69.1 53.4 80.2

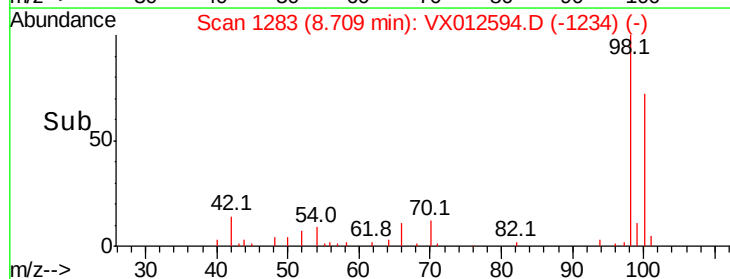


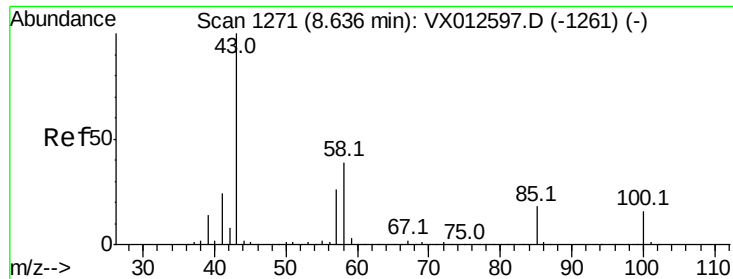
Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



Time-->





#51

4-Methyl-2-Pentanone

Concen: 5.251 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX012594.D

Acq: 23 Sep 2019 10:09

Instrument :

MSVOA_X

ClientSampleId :

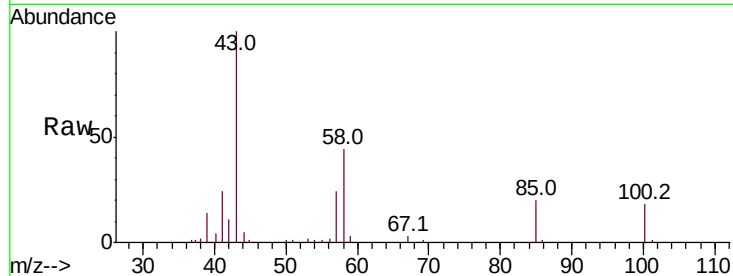
VSTDIC001

Tot Ion: 43 Resp: 20305

Ion Ratio Lower Upper

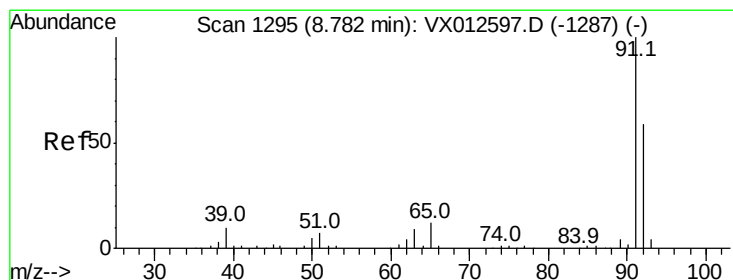
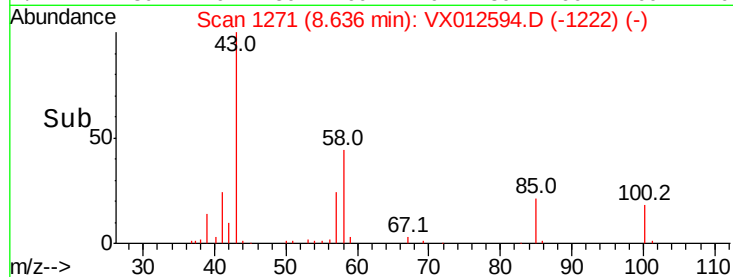
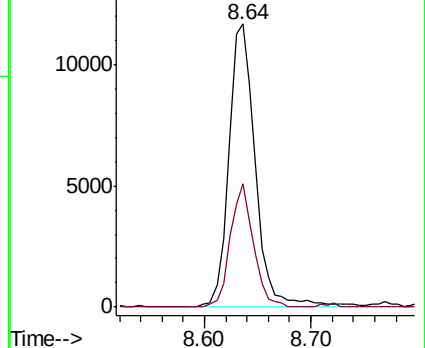
43 100

58 38.0 31.4 47.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 1.428 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX012594.D

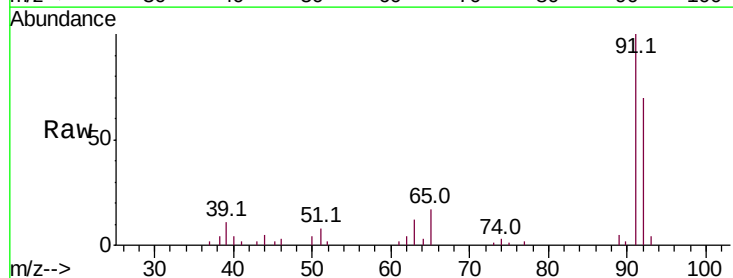
Acq: 23 Sep 2019 10:09

Tgt Ion: 92 Resp: 6631

Ion Ratio Lower Upper

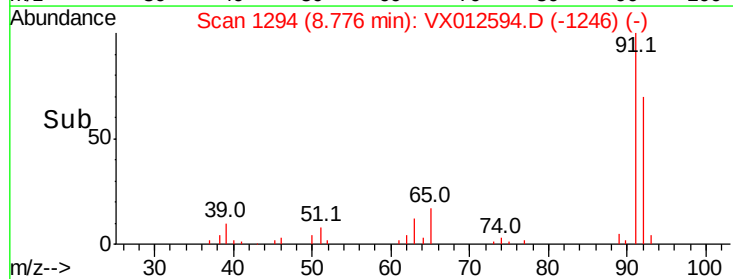
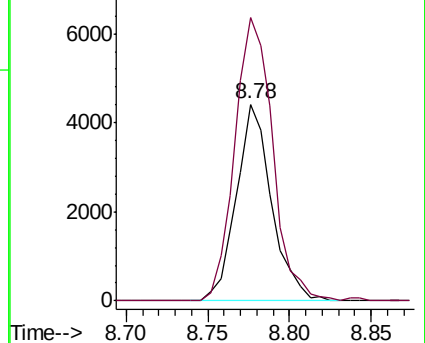
92 100

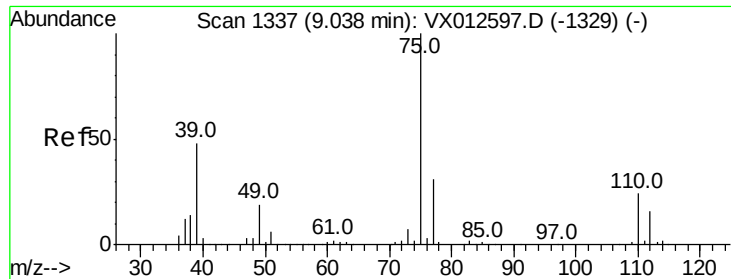
91 154.9 134.2 201.4



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

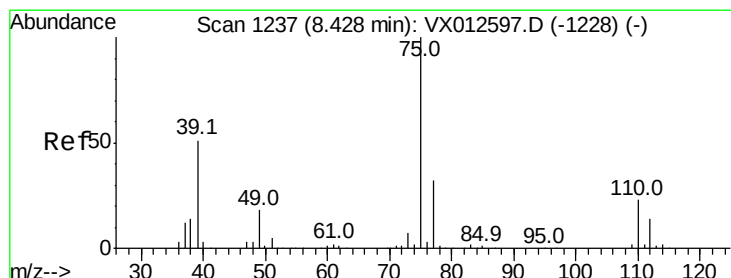
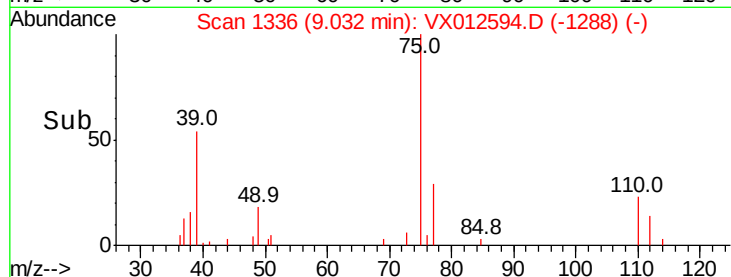
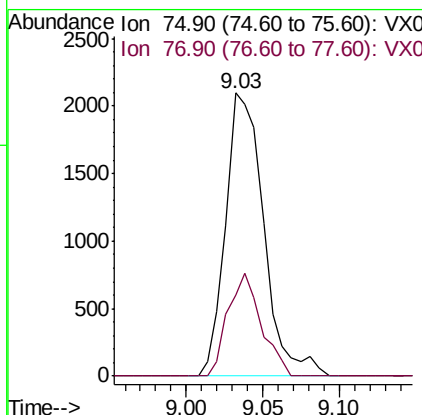
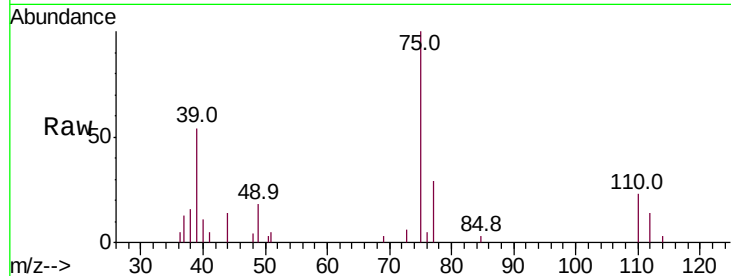




#53
 t-1,3-Dichloropropene
 Concen: 1.126 ug/l
 RT: 9.03 min Scan# 1336
 Delta R.T. -0.01 min
 Lab File: VX012594.D
 Acq: 23 Sep 2019 10:09

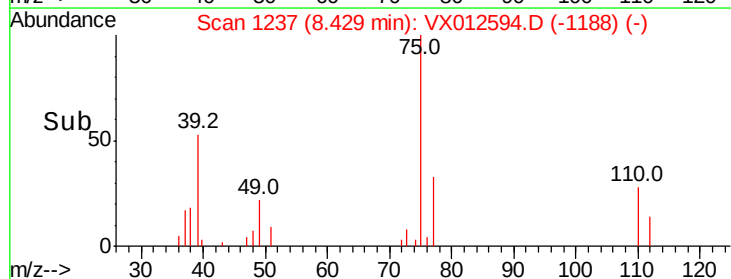
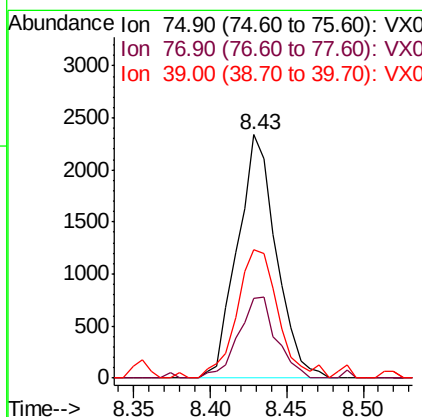
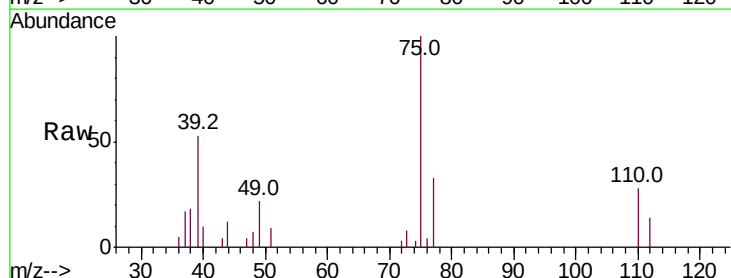
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

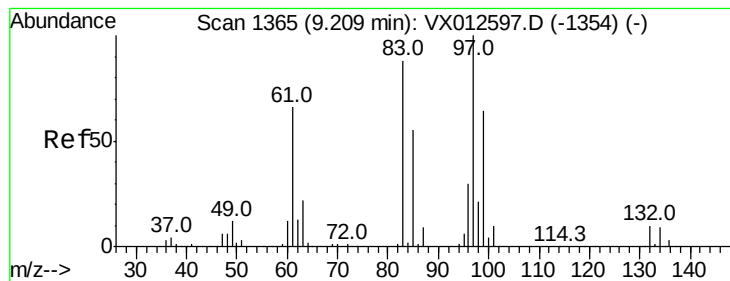
Tot Ion: 75 Resp: 3620
 Ion Ratio Lower Upper
 75 100
 77 28.8 24.9 37.3



#54
 cis-1,3-Dichloropropene
 Concen: 1.218 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. 0.00 min
 Lab File: VX012594.D
 Acq: 23 Sep 2019 10:09

Tgt Ion: 75 Resp: 4095
 Ion Ratio Lower Upper
 75 100
 77 33.0 25.5 38.3
 39 52.9 40.7 61.1





#55

1,1,2-Trichloroethane

Concen: 1.114 ug/l

RT: 9.21 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VX012594.D

Acq: 23 Sep 2019 10:09

Instrument :

MSVOA_X

ClientSampled :

VSTDIC001

Tot Ion: 97 Resp: 2548

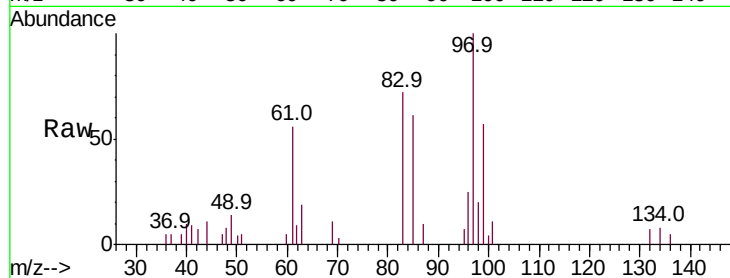
Ion Ratio Lower Upper

97 100

83 71.5 70.5 105.7

85 60.6 43.9 65.9

99 56.8 51.2 76.8

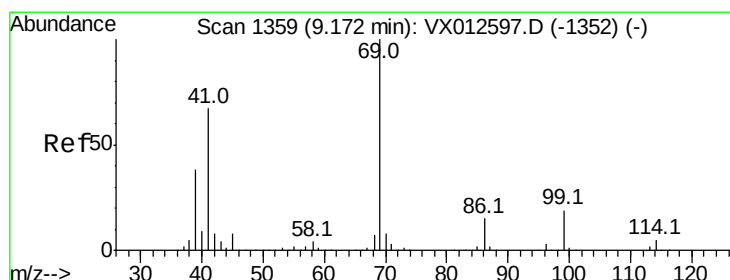
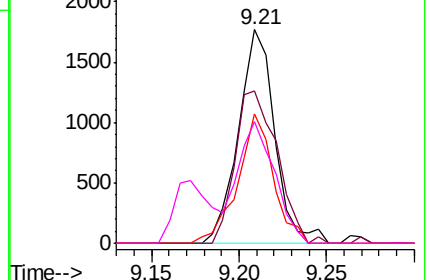
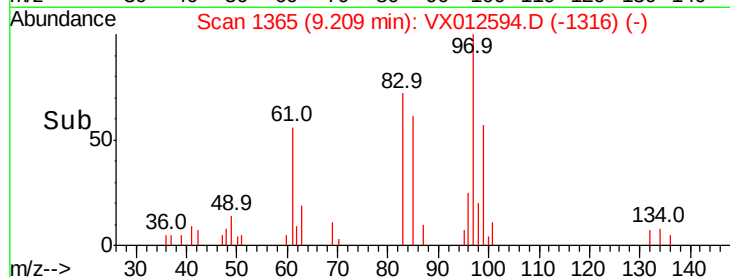


Abundance Ion 96.90 (96.60 to 97.60): VX0

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: 1.066 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VX012594.D

Acq: 23 Sep 2019 10:09

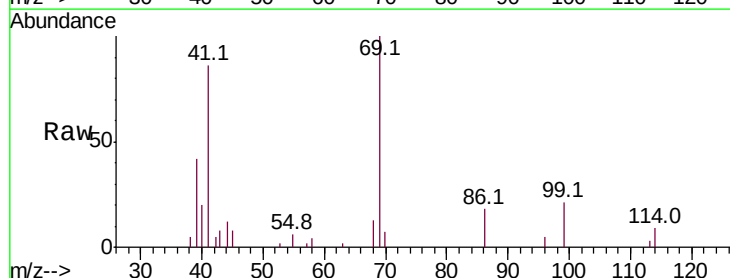
Tgt Ion: 69 Resp: 3856

Ion Ratio Lower Upper

69 100

41 77.9 54.7 82.1

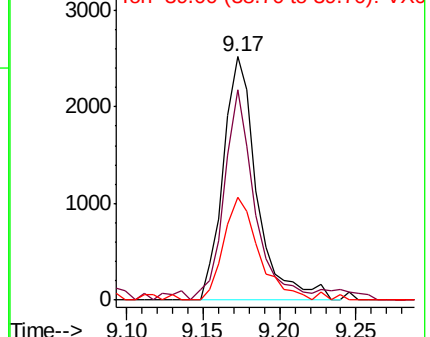
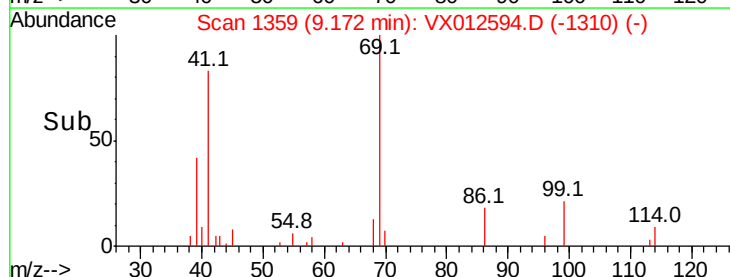
39 43.9 30.6 46.0

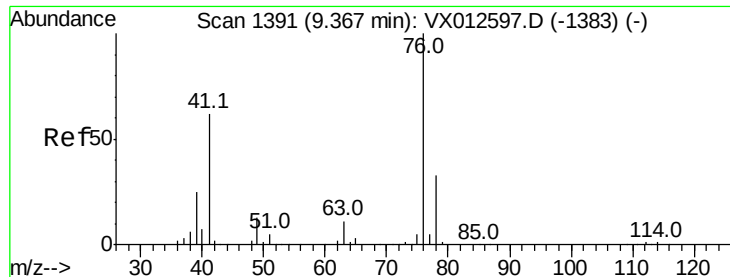


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 1.257 ug/l

RT: 9.36 min Scan# 1390

Delta R.T. -0.01 min

Lab File: VX012594.D

Acq: 23 Sep 2019 10:09

Instrument :

MSVOA_X

ClientSampleId :

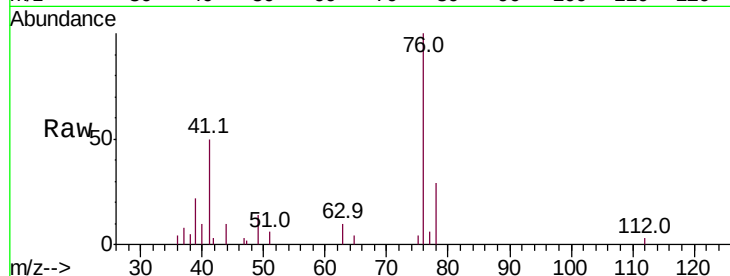
VSTDIC001

Tot Ion: 76 Resp: 4640

Ion Ratio Lower Upper

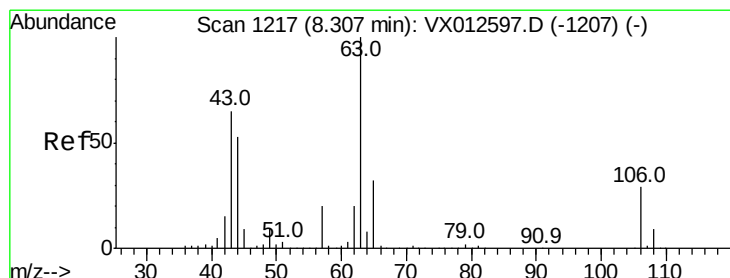
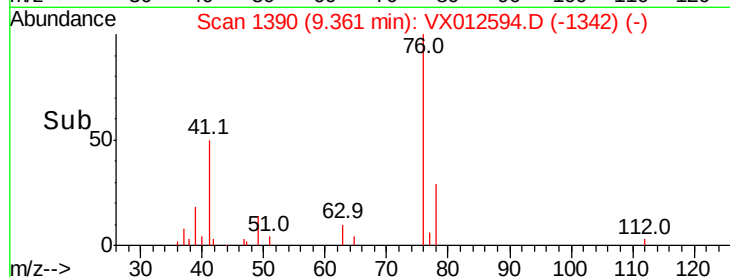
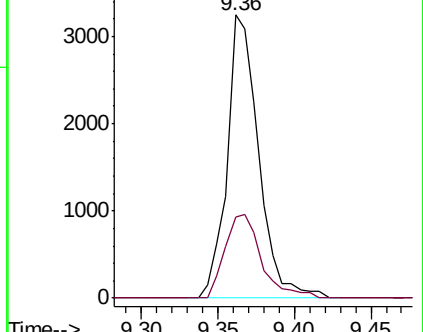
76 100

78 34.1 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: 4.300 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VX012594.D

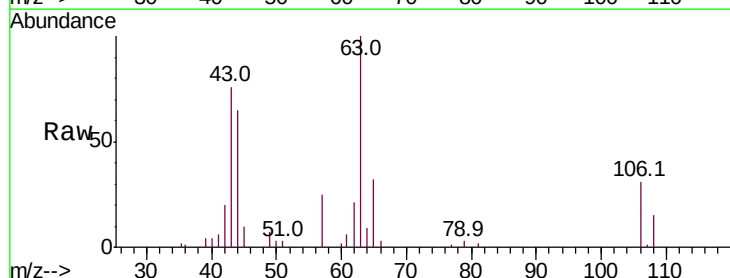
Acq: 23 Sep 2019 10:09

Tgt Ion: 63 Resp: 7957

Ion Ratio Lower Upper

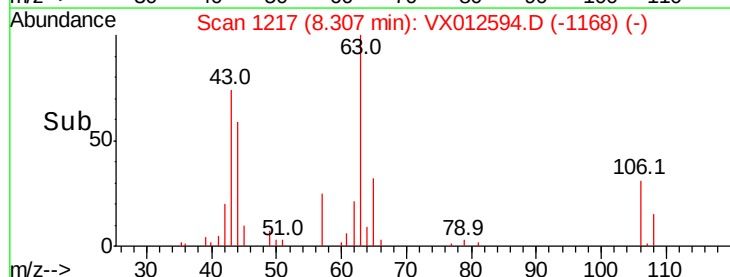
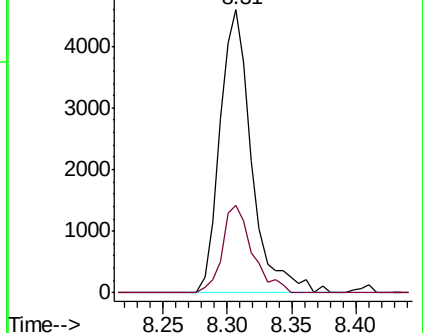
63 100

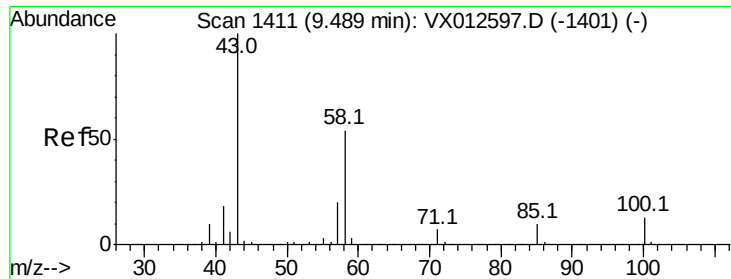
106 29.2 23.2 34.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





#59

2-Hexanone

Concen: 4.746 ug/l

RT: 9.48 min Scan# 1410

Delta R.T. -0.01 min

Lab File: VX012594.D

Acq: 23 Sep 2019 10:09

Instrument :

MSVOA_X

ClientSampled :

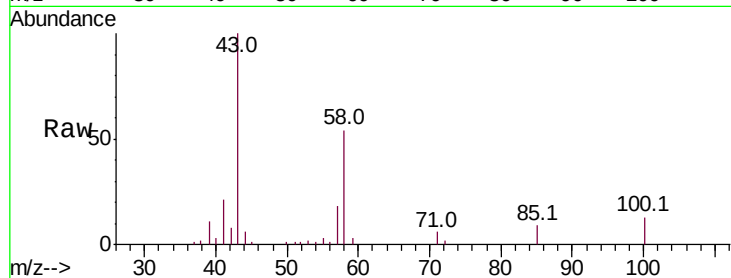
VSTDIC001

Tot Ion: 43 Resp: 14336

Ion Ratio Lower Upper

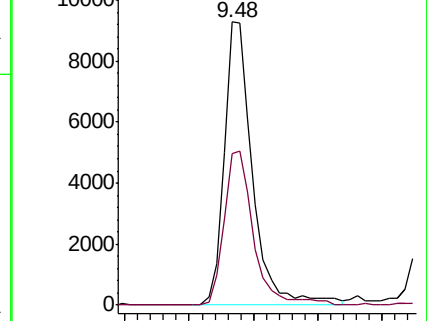
43 100

58 56.4 26.8 80.4

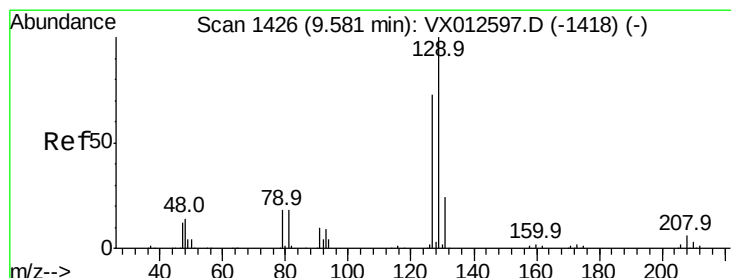
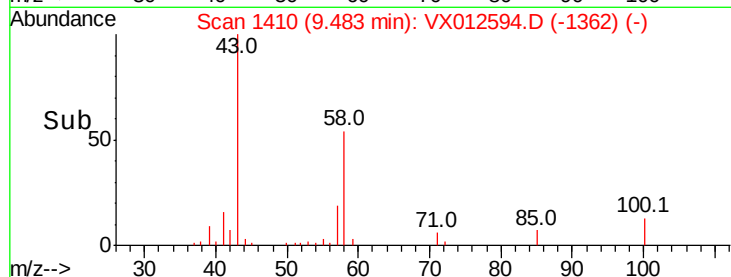


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time--> 9.40 9.45 9.50 9.55 9.60



#60

Dibromochloromethane

Concen: 1.000 ug/l

RT: 9.57 min Scan# 1425

Delta R.T. -0.01 min

Lab File: VX012594.D

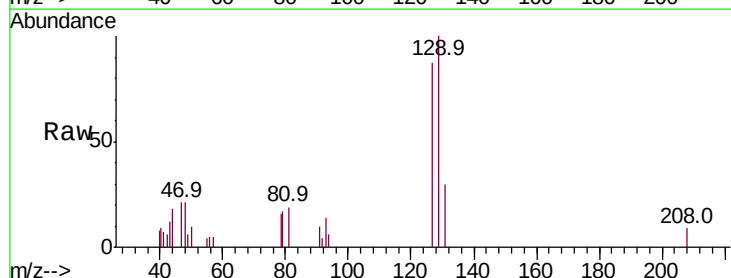
Acq: 23 Sep 2019 10:09

Tgt Ion: 129 Resp: 2316

Ion Ratio Lower Upper

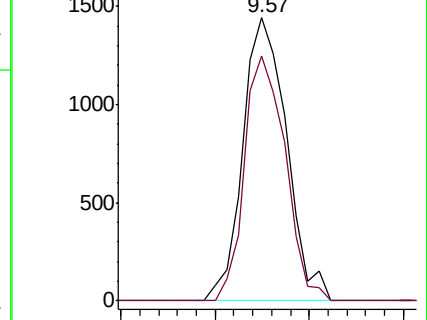
129 100

127 80.7 38.9 116.7

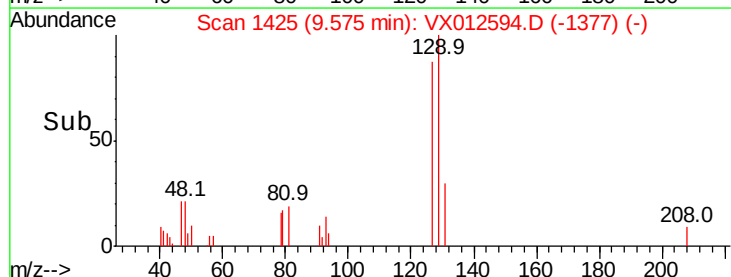


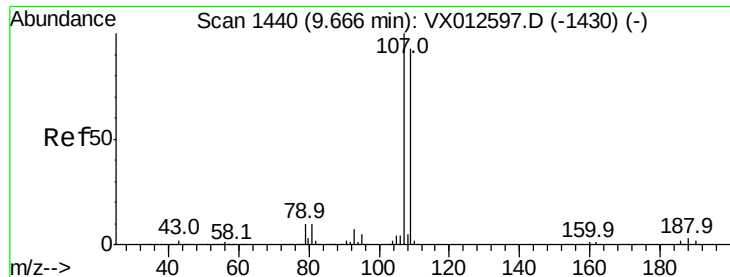
Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



Time--> 9.50 9.55 9.60

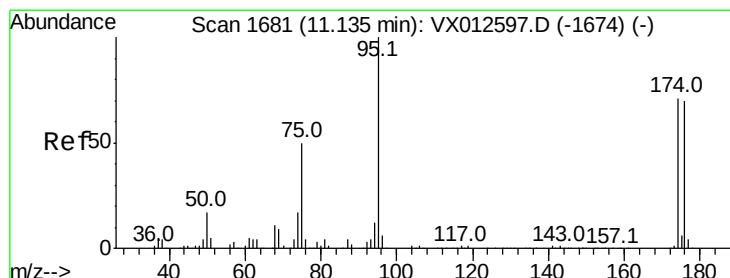
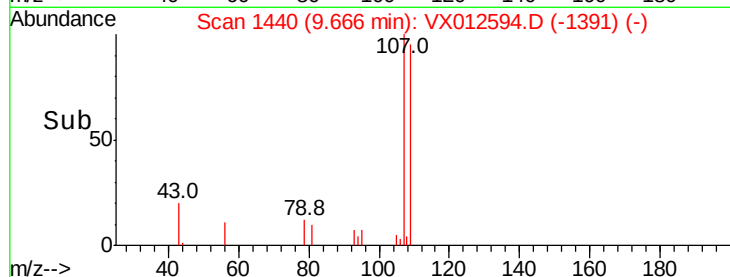
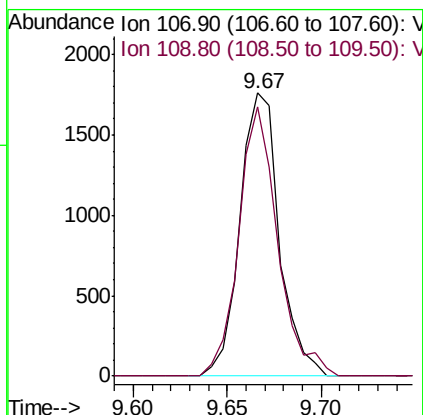
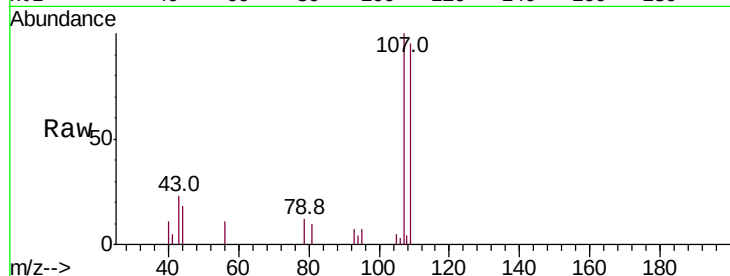




#61
 1,2-Dibromoethane
 Concen: 1.203 ug/l
 RT: 9.67 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: VX012594.D
 Acq: 23 Sep 2019 10:09

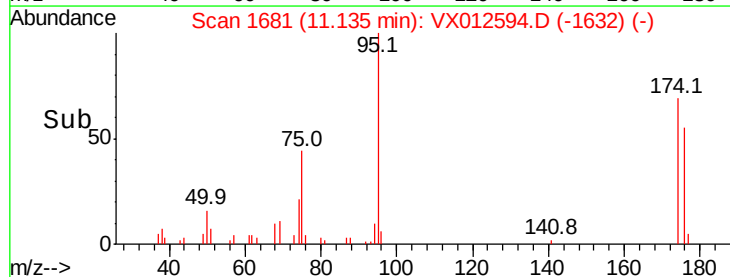
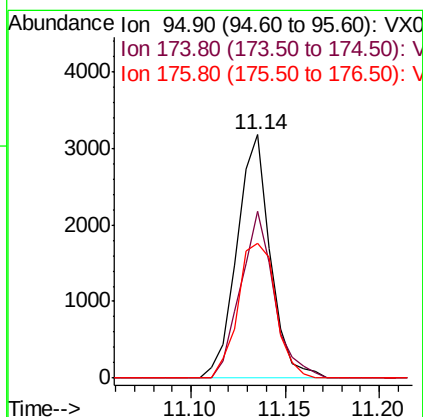
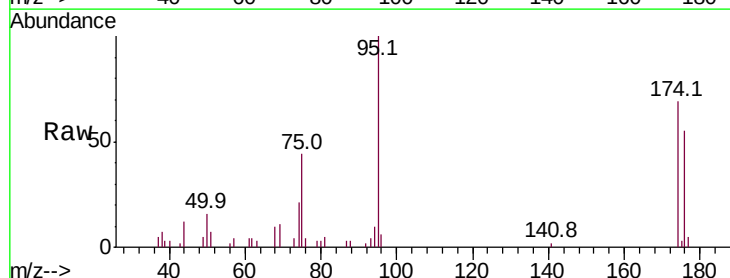
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

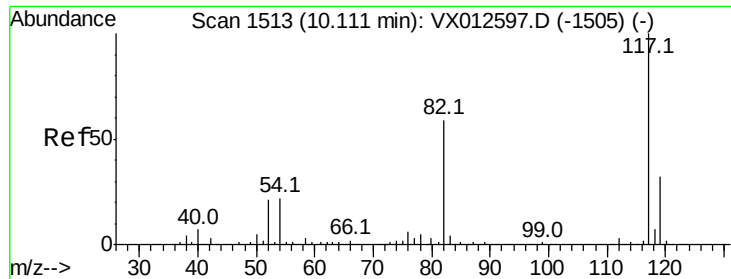
Tot Ion:107 Resp: 2556
 Ion Ratio Lower Upper
 107 100
 109 94.0 74.3 111.5



#62
 4-Bromofluorobenzene
 Concen: 1.186 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. 0.00 min
 Lab File: VX012594.D
 Acq: 23 Sep 2019 10:09

Tgt Ion: 95 Resp: 3908
 Ion Ratio Lower Upper
 95 100
 174 69.1 0.0 134.6
 176 62.7 0.0 132.2

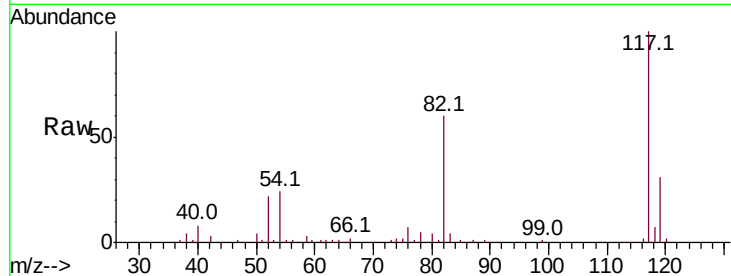




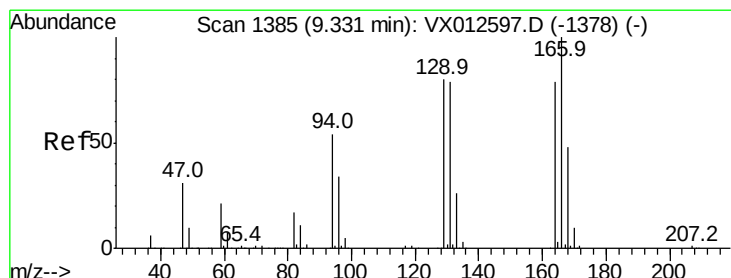
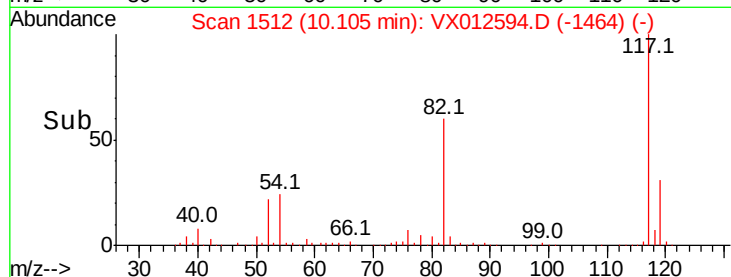
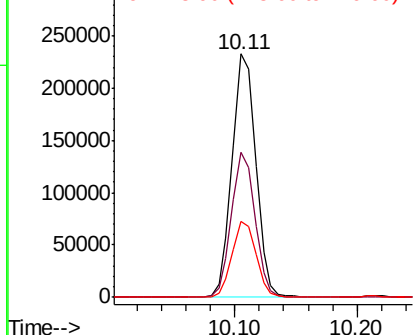
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX012594.D
Acq: 23 Sep 2019 10:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion:117 Resp: 313378
Ion Ratio Lower Upper
117 100
82 59.6 47.0 70.4
119 31.2 25.8 38.6

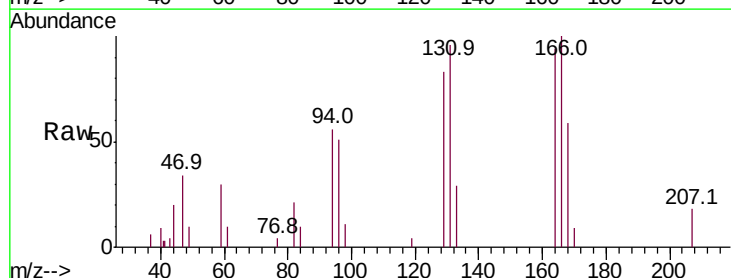


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

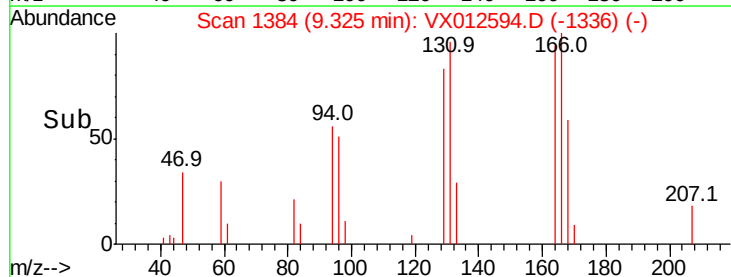
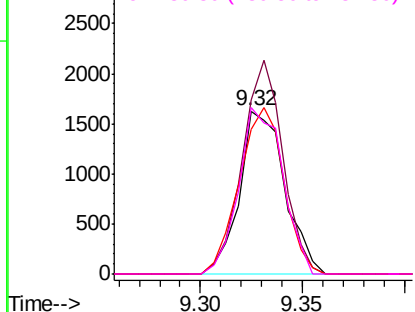


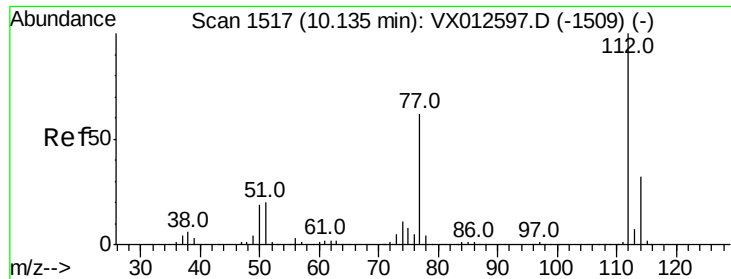
#64
Tetrachloroethene
Concen: 1.642 ug/l
RT: 9.32 min Scan# 1384
Delta R.T. -0.01 min
Lab File: VX012594.D
Acq: 23 Sep 2019 10:09

Tgt Ion:164 Resp: 2509
Ion Ratio Lower Upper
164 100
166 106.6 101.3 151.9
129 88.8 81.1 121.7
131 102.3 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

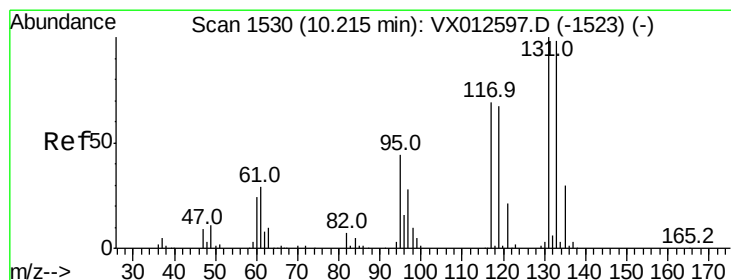
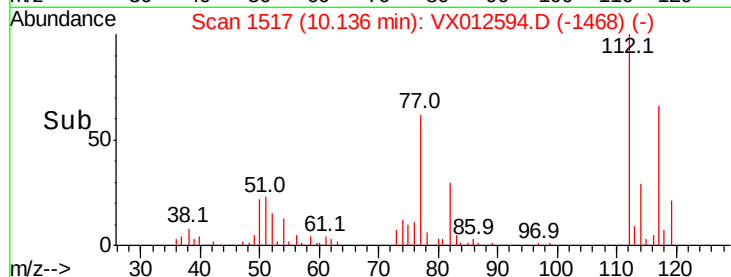
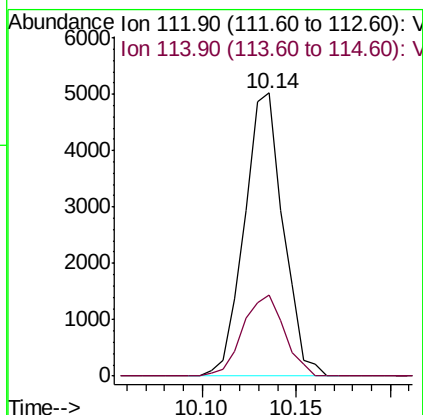
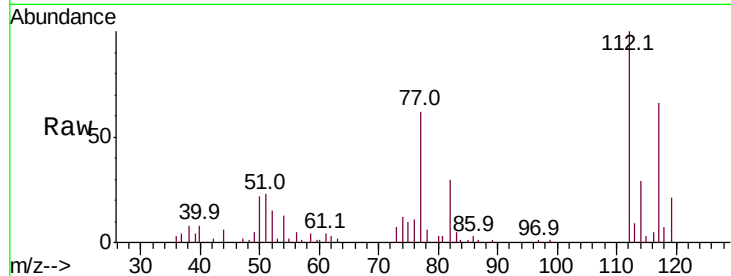




#65
Chlorobenzene
Concen: 1.347 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX012594.D
Acq: 23 Sep 2019 10:09

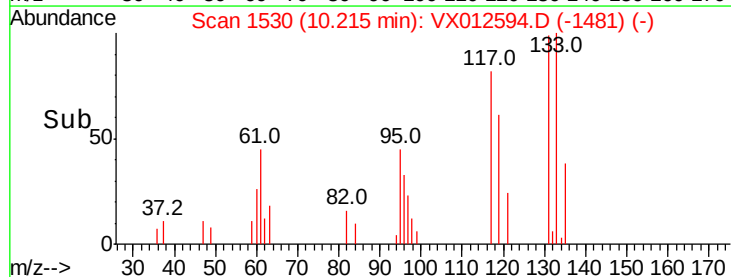
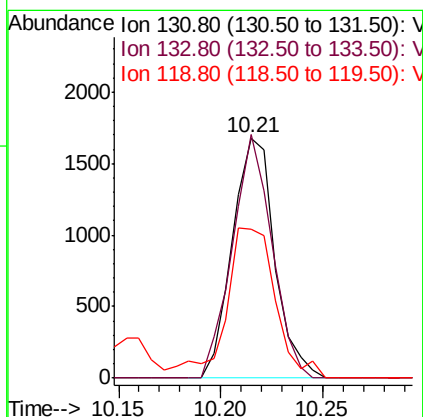
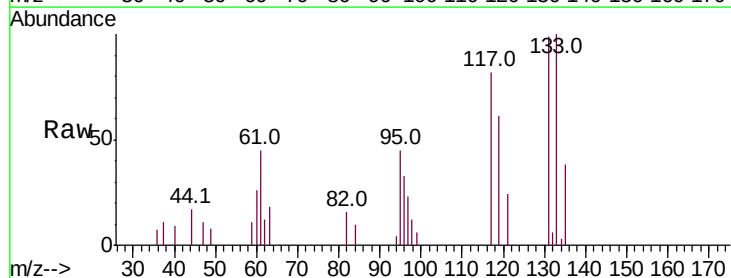
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

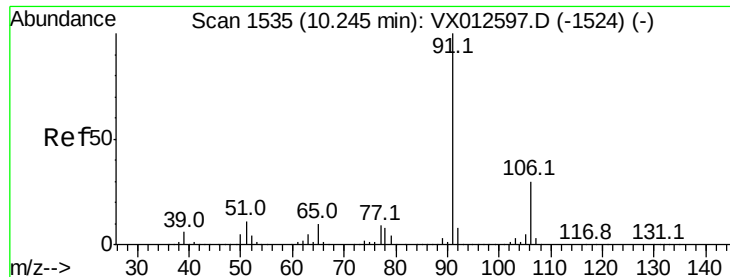
Tot Ion:112 Resp: 7182
Ion Ratio Lower Upper
112 100
114 28.6 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 1.122 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VX012594.D
Acq: 23 Sep 2019 10:09

Tgt Ion:131 Resp: 2413
Ion Ratio Lower Upper
131 100
133 94.8 48.0 144.2
119 0.0 33.0 99.0#

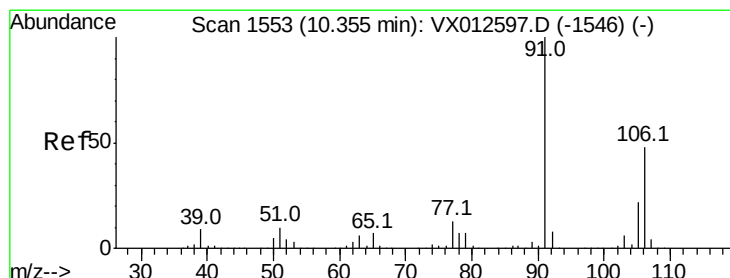
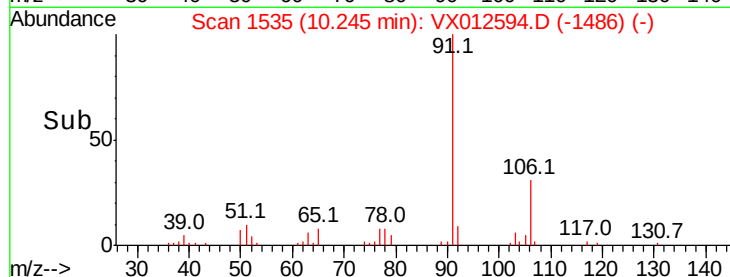
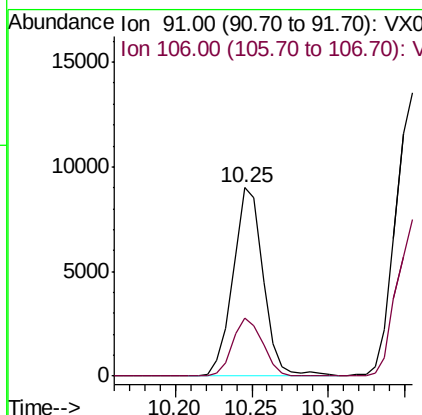
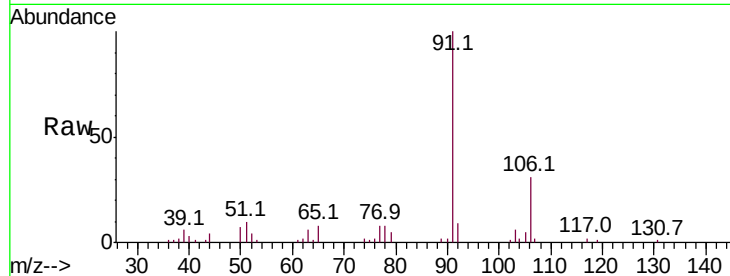




#67
Ethyl Benzene
Concen: 1.337 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX012594.D
Acq: 23 Sep 2019 10:09

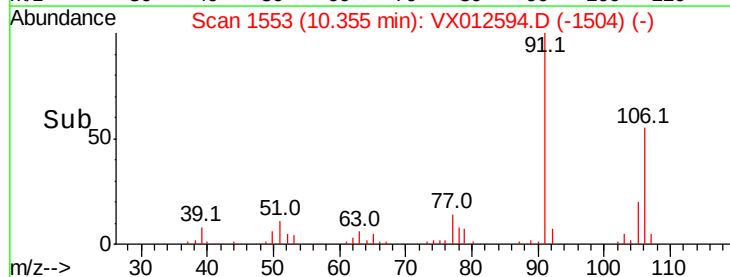
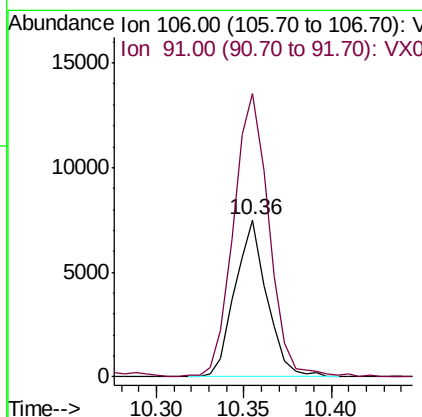
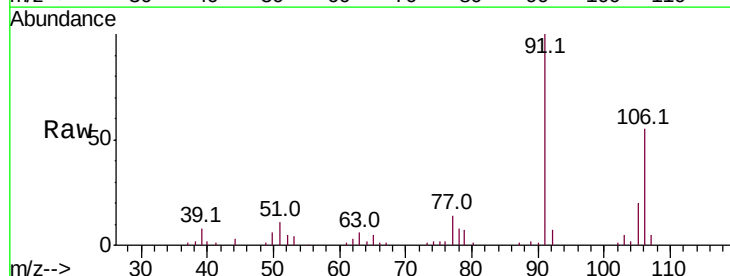
Instrument :
MSVOA_X
ClientSampled :
VSTDIC001

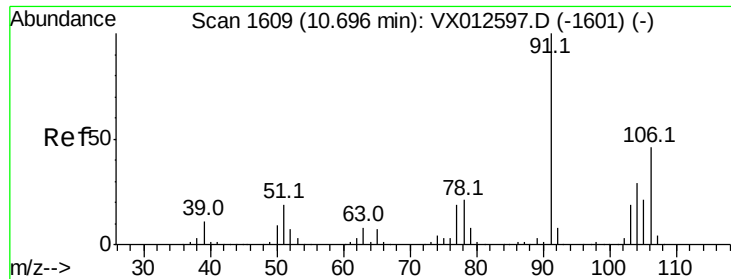
Tot Ion: 91 Resp: 12341
Ion Ratio Lower Upper
91 100
106 31.2 23.8 35.6



#68
m/p-Xylenes
Concen: 2.820 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX012594.D
Acq: 23 Sep 2019 10:09

Tgt Ion: 106 Resp: 9532
Ion Ratio Lower Upper
106 100
91 200.6 167.3 250.9

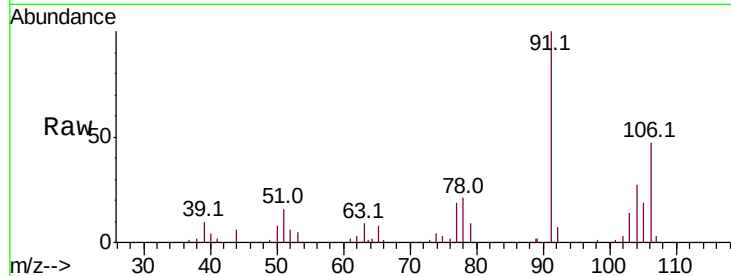




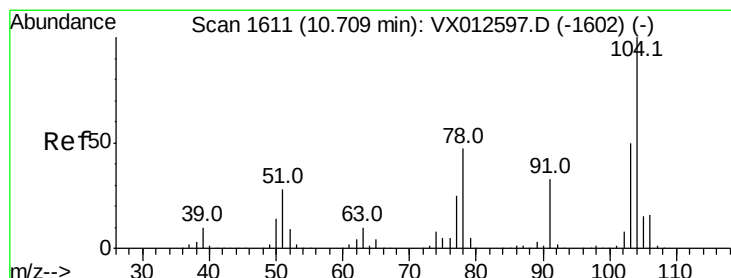
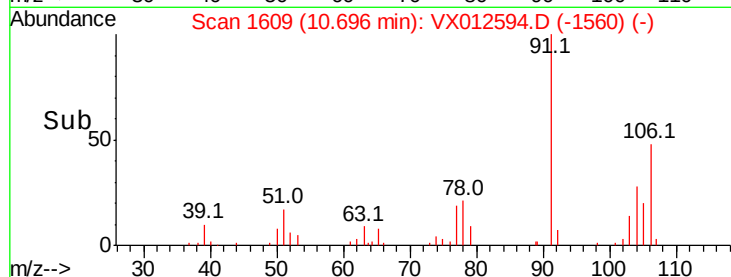
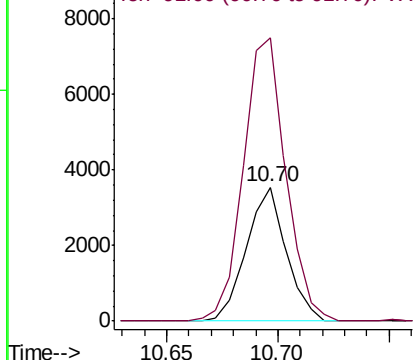
#69
o-Xylene
Concen: 1.284 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX012594.D
Acq: 23 Sep 2019 10:09

Instrument :
MSVOA_X
ClientSampled :
VSTDIC001

Tot Ion:106 Resp: 4404
Ion Ratio Lower Upper
106 100
91 226.4 110.3 331.0

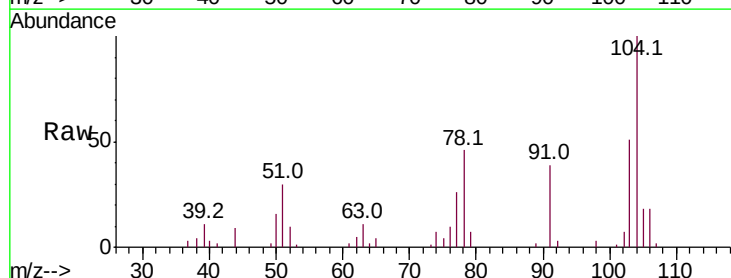


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

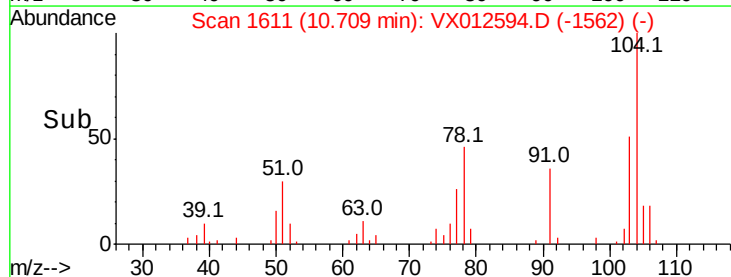
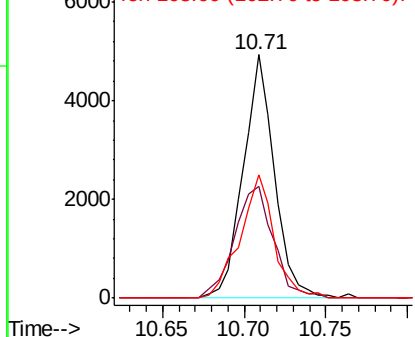


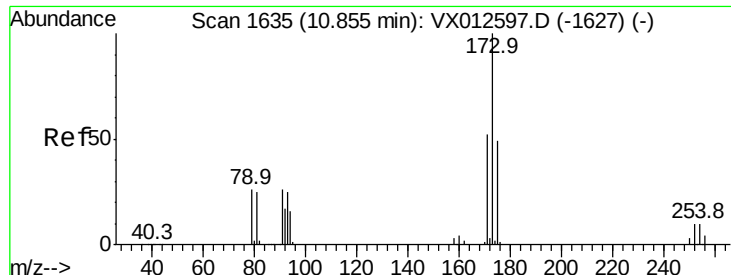
#70
Styrene
Concen: 1.092 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX012594.D
Acq: 23 Sep 2019 10:09

Tgt Ion:104 Resp: 6579
Ion Ratio Lower Upper
104 100
78 56.9 43.4 65.2
103 55.7 43.4 65.2



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





#71

Bromoform

Concen: 0.867 ug/l

RT: 10.85 min Scan# 1634

Delta R.T. -0.01 min

Lab File: VX012594.D

Acq: 23 Sep 2019 10:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

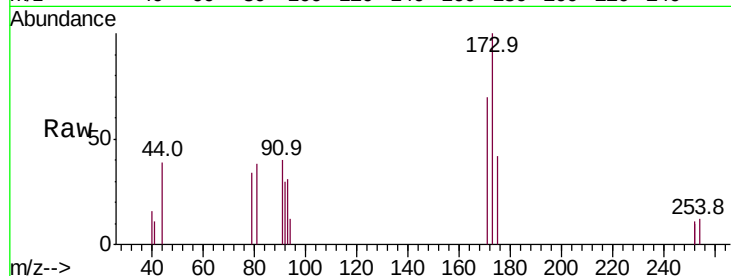
Tot Ion:173 Resp: 1376

Ion Ratio Lower Upper

173 100

175 44.5 24.6 73.8

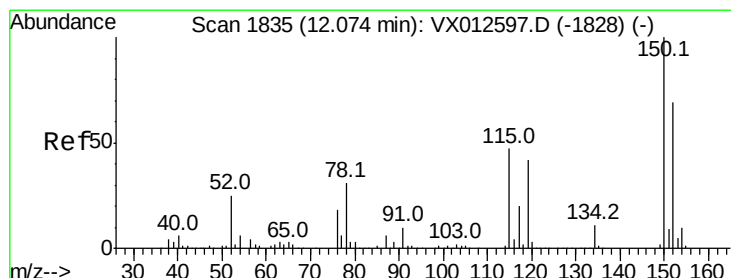
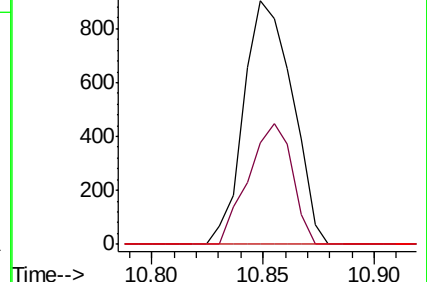
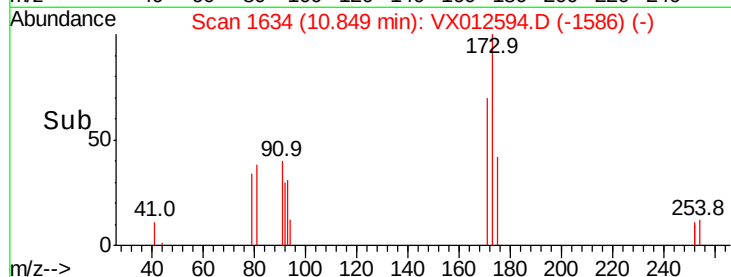
254 0.0 0.1 0.1#



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: VX012594.D

Acq: 23 Sep 2019 10:09

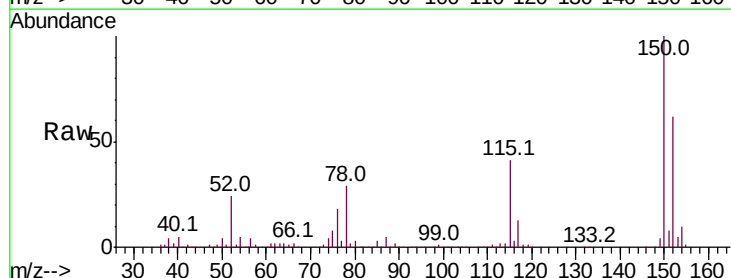
Tgt Ion:152 Resp: 132595

Ion Ratio Lower Upper

152 100

115 66.8 45.2 135.6

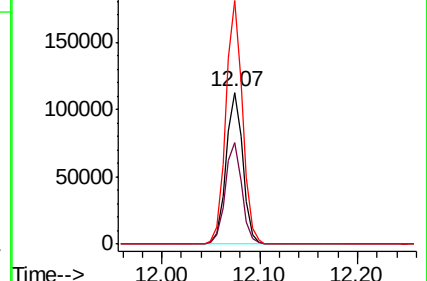
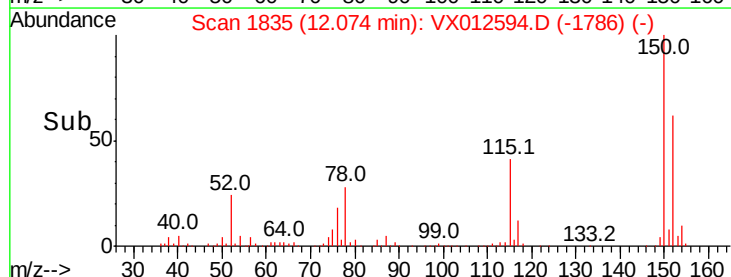
150 159.4 0.0 346.2

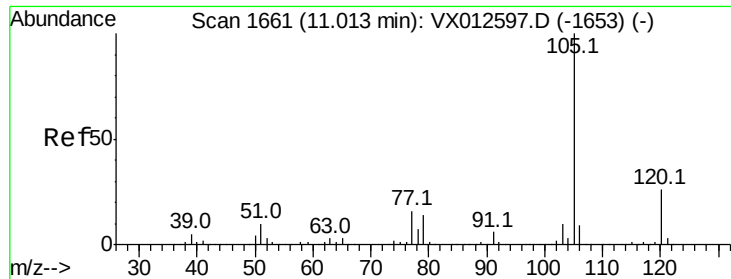


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

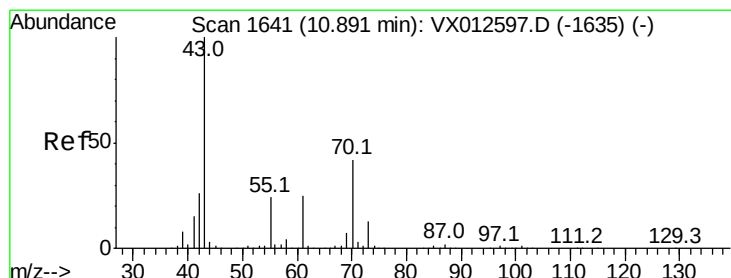
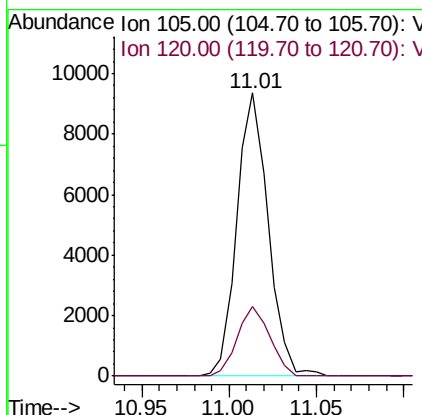
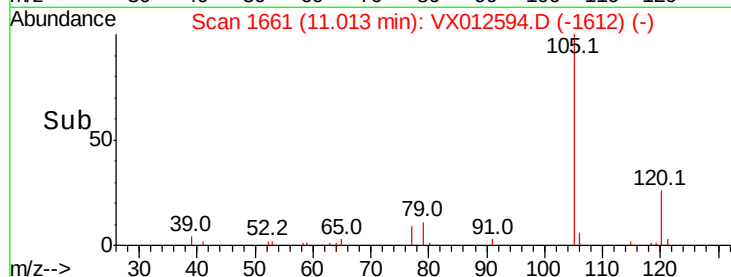
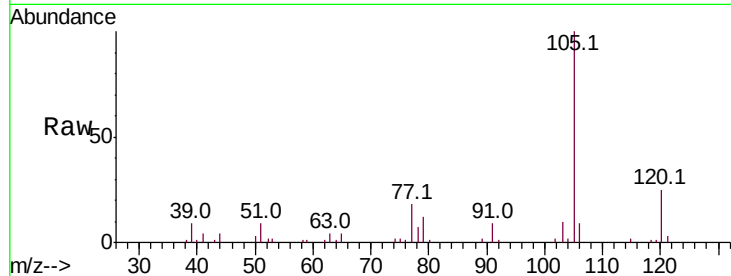




#73
Isopropylbenzene
Concen: 1.363 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX012594.D
Acq: 23 Sep 2019 10:09

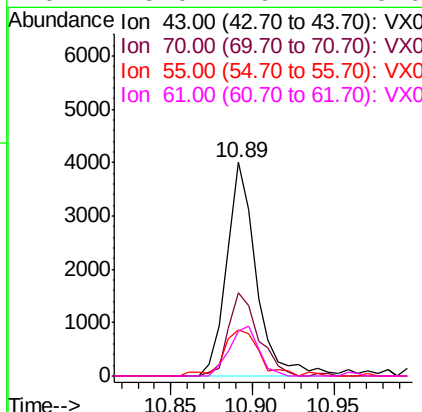
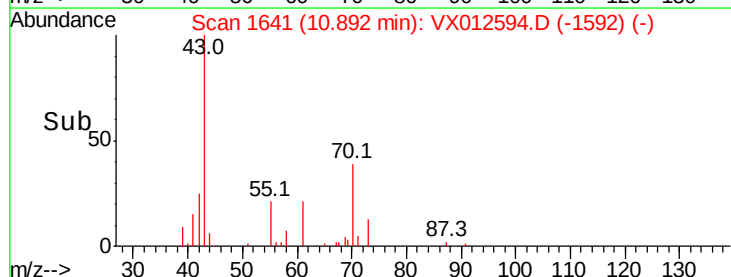
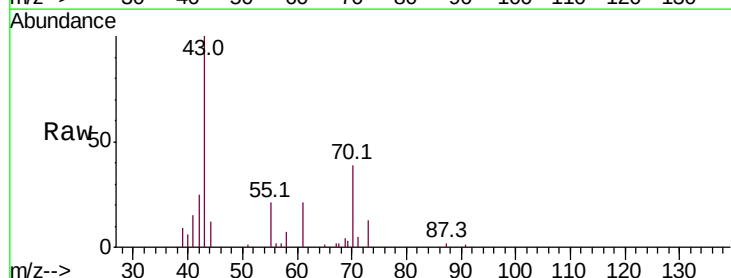
Instrument :
MSVOA_X
ClientSampled :
VSTDIC001

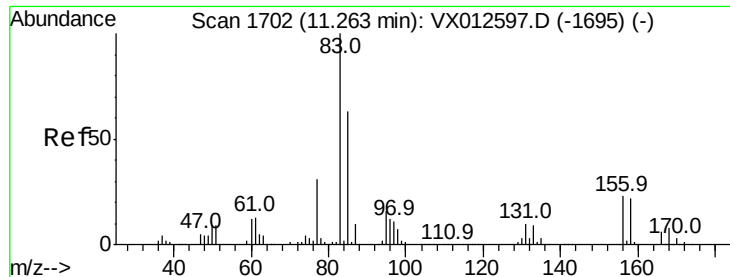
Tot Ion:105 Resp: 11671
Ion Ratio Lower Upper
105 100
120 25.5 12.9 38.7



#74
N-ethyl acetate
Concen: 1.114 ug/l
RT: 10.89 min Scan# 1641
Delta R.T. 0.00 min
Lab File: VX012594.D
Acq: 23 Sep 2019 10:09

Tgt Ion: 43 Resp: 5036
Ion Ratio Lower Upper
43 100
70 39.5 33.8 50.8
55 25.7 19.2 28.8
61 23.0 19.4 29.0





#75

1,1,2,2-Tetrachloroethane

Concen: 1.155 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX012594.D

Acq: 23 Sep 2019 10:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

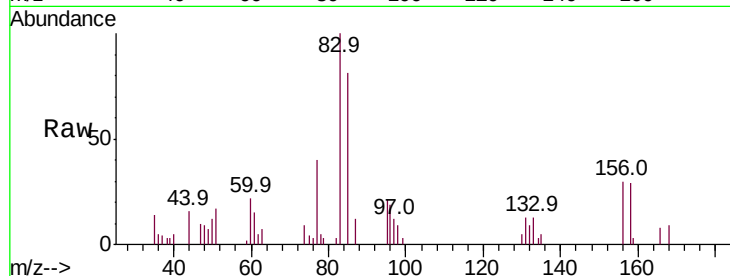
Tot Ion: 83 Resp: 3774

Ion Ratio Lower Upper

83 100

131 10.6 5.1 15.4

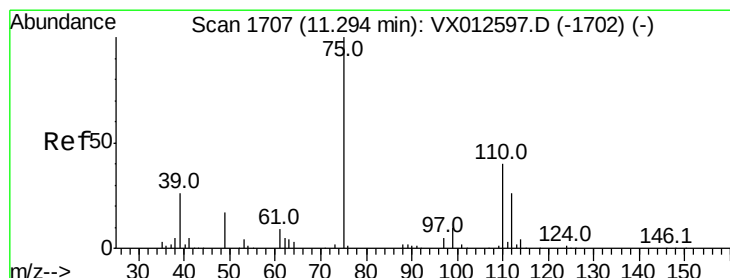
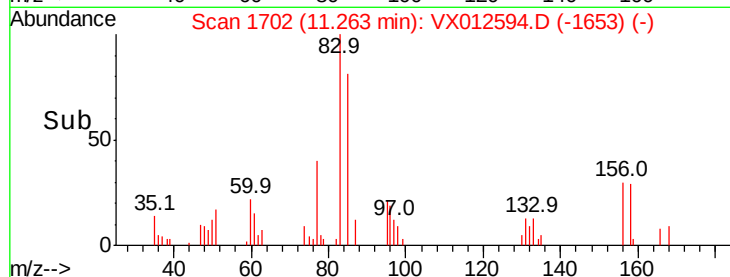
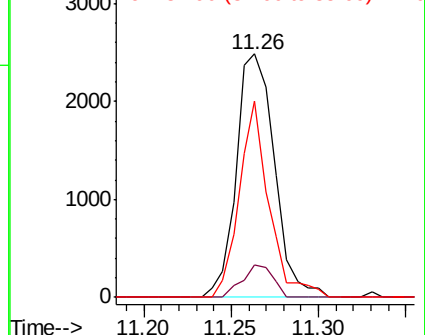
85 62.7 32.0 96.2



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: 1.460 ug/l

RT: 11.29 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX012594.D

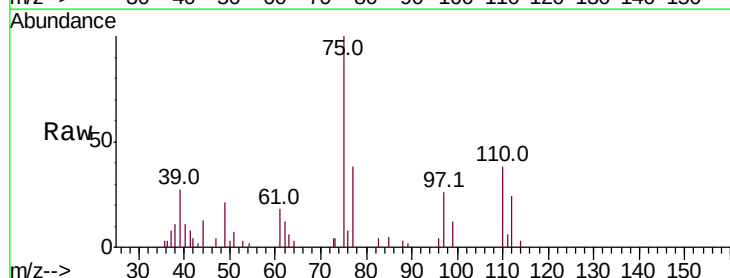
Acq: 23 Sep 2019 10:09

Tgt Ion: 75 Resp: 4480

Ion Ratio Lower Upper

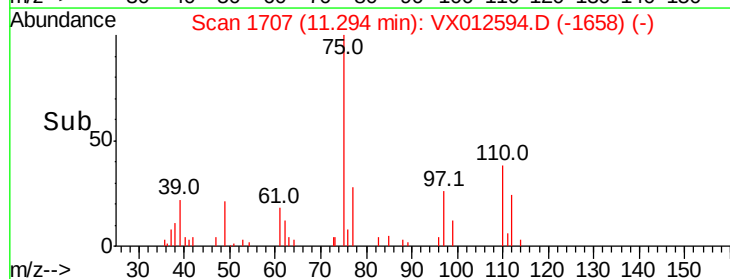
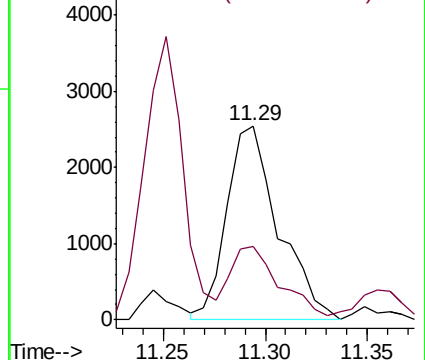
75 100

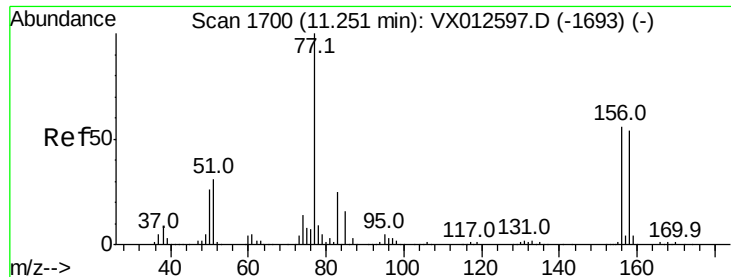
77 36.7 19.3 57.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 1.266 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX012594.D

Acq: 23 Sep 2019 10:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

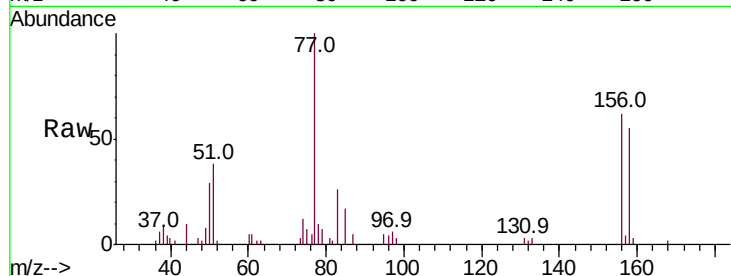
Tot Ion:156 Resp: 2610

Ion Ratio Lower Upper

156 100

77 188.1 91.2 273.6

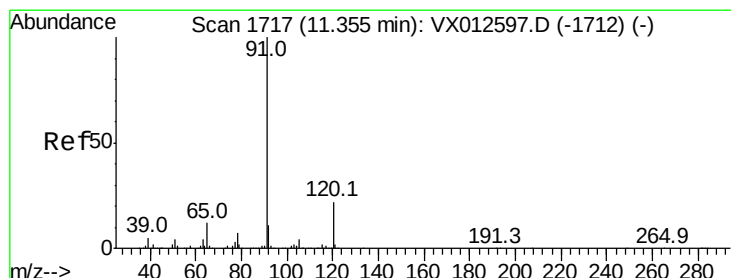
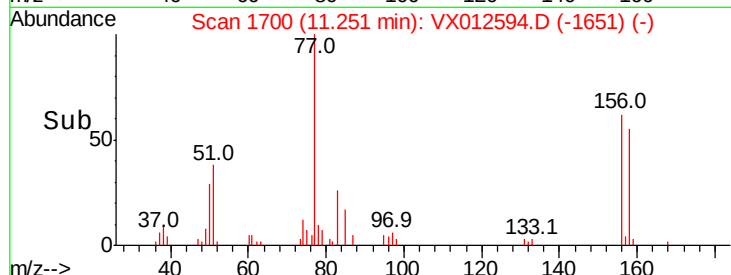
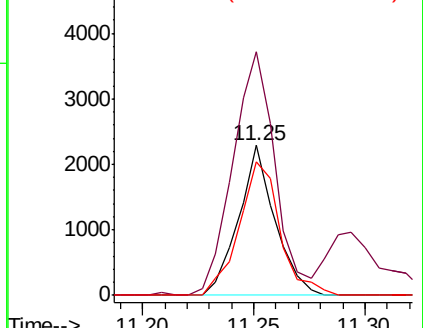
158 100.8 48.0 144.2



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: 1.358 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX012594.D

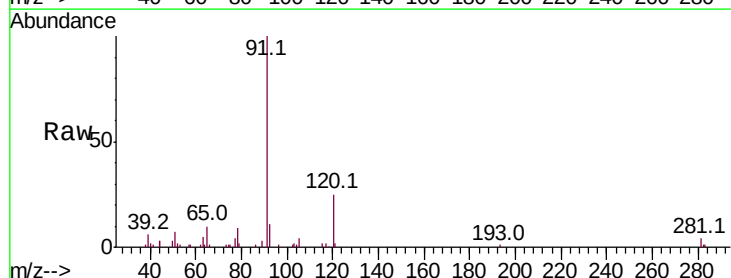
Acq: 23 Sep 2019 10:09

Tgt Ion: 91 Resp: 12964

Ion Ratio Lower Upper

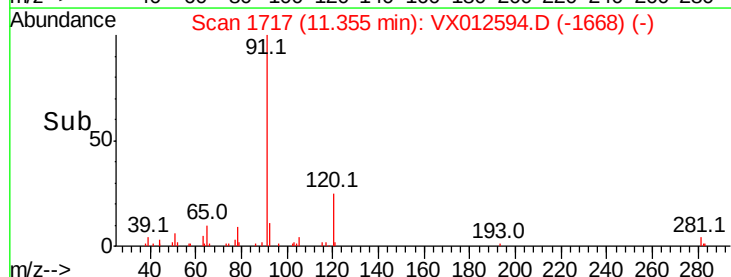
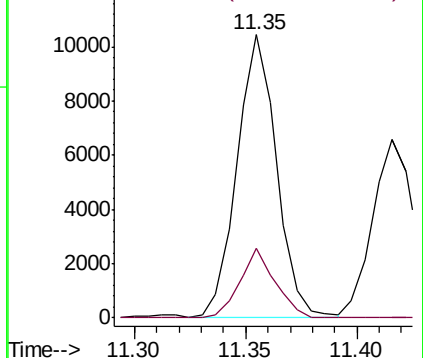
91 100

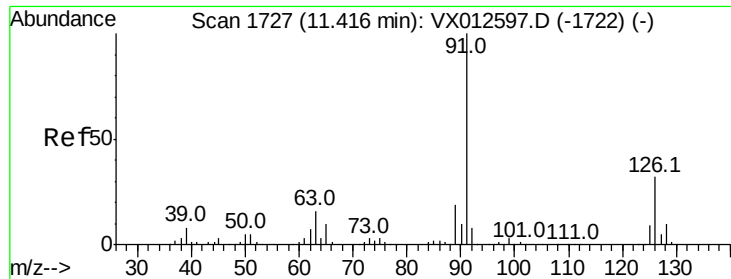
120 21.9 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

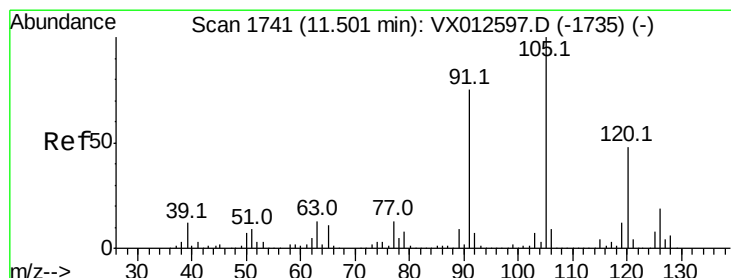
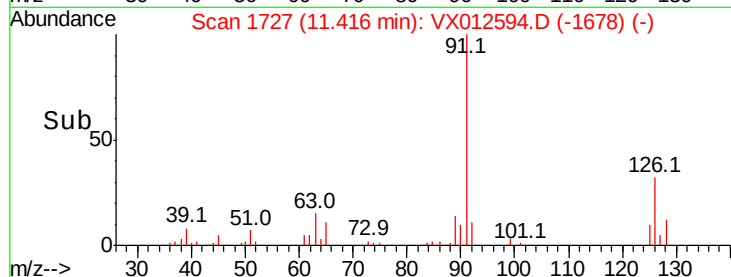
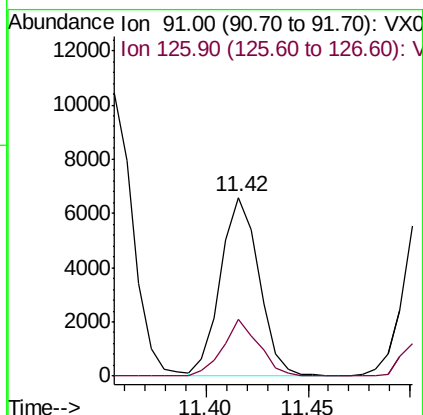
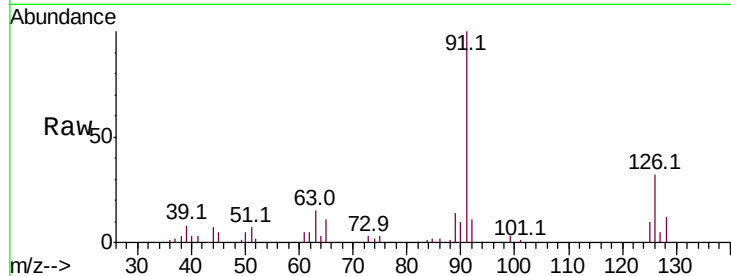




#79
2-Chlorotoluene
Concen: 1.397 ug/l
RT: 11.42 min Scan# 1727
Delta R.T. 0.00 min
Lab File: VX012594.D
Acq: 23 Sep 2019 10:09

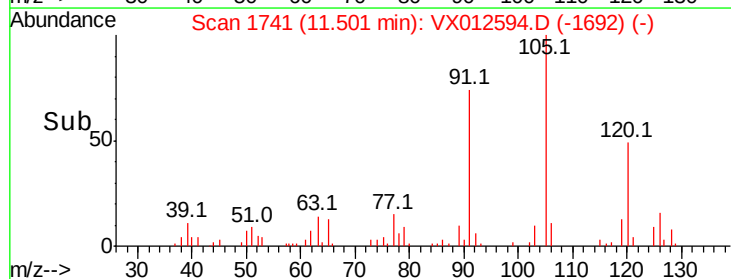
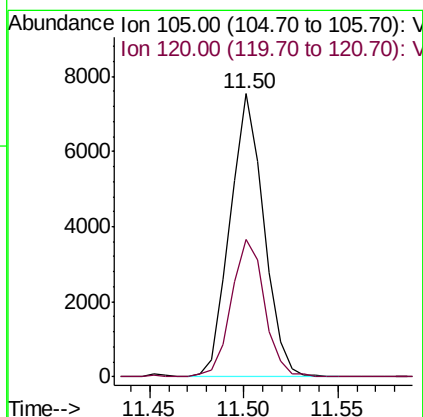
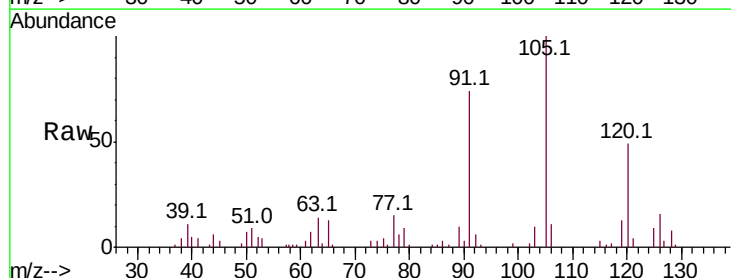
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

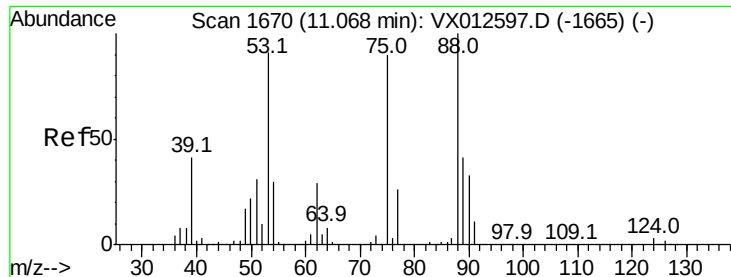
Tot Ion: 91 Resp: 8642
Ion Ratio Lower Upper
91 100
126 29.4 16.1 48.3



#80
1,3,5-Trimethylbenzene
Concen: 1.291 ug/l
RT: 11.50 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX012594.D
Acq: 23 Sep 2019 10:09

Tgt Ion:105 Resp: 9397
Ion Ratio Lower Upper
105 100
120 47.6 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 0.877 ug/l

RT: 11.07 min Scan# 1671

Delta R.T. 0.01 min

Lab File: VX012594.D

Acq: 23 Sep 2019 10:09

Instrument :

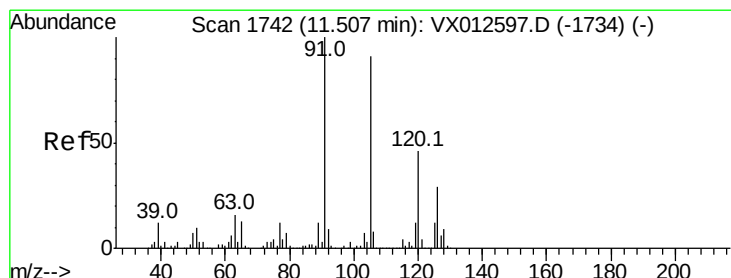
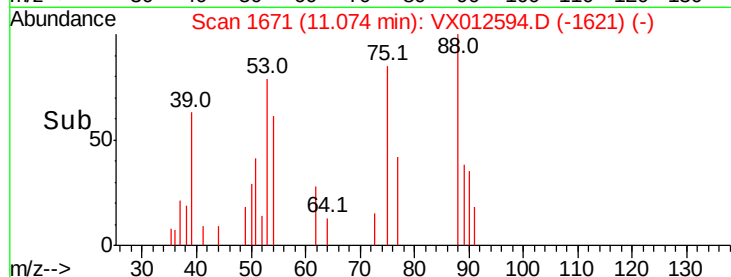
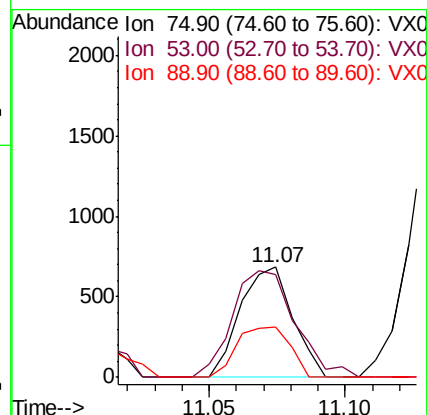
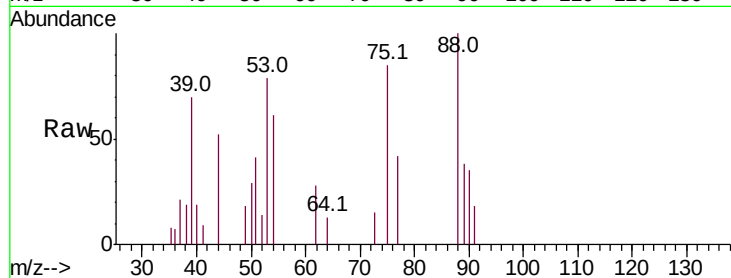
MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 75 Resp: 916

Ion	Ratio	Lower	Upper
75	100		
53	115.5	79.5	119.3
89	45.9	36.8	55.2



#82

4-Chlorotoluene

Concen: 1.302 ug/l

RT: 11.51 min Scan# 1742

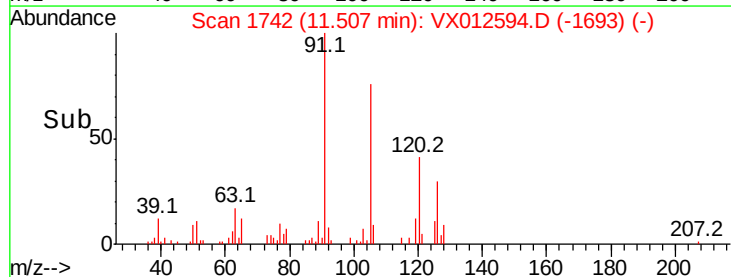
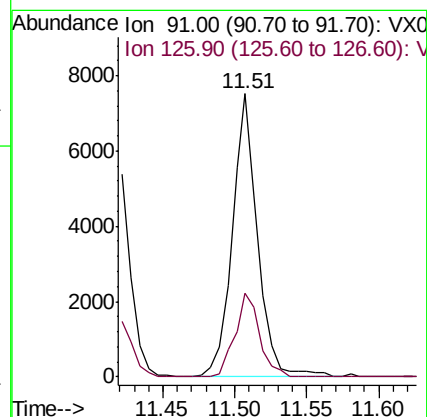
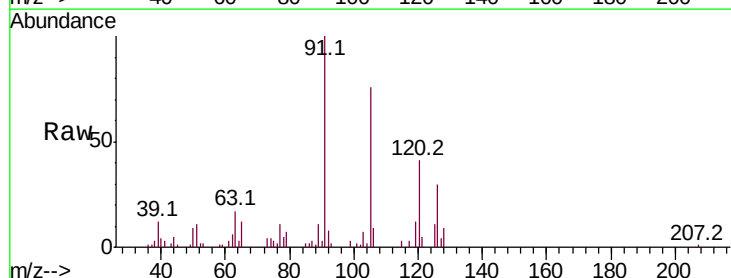
Delta R.T. 0.00 min

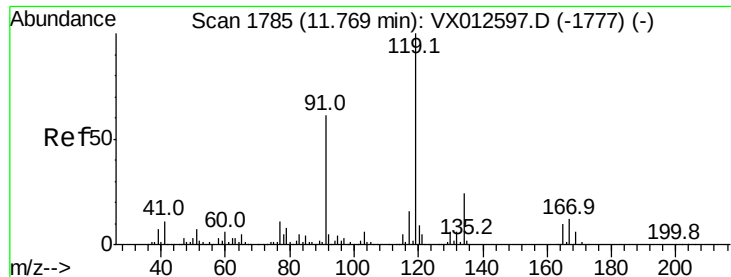
Lab File: VX012594.D

Acq: 23 Sep 2019 10:09

Tgt Ion: 91 Resp: 9233

Ion	Ratio	Lower	Upper
91	100		
126	28.7	13.9	41.7





#83

tert-Butylbenzene

Concen: 1.219 ug/l

RT: 11.77 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VX012594.D

Acq: 23 Sep 2019 10:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

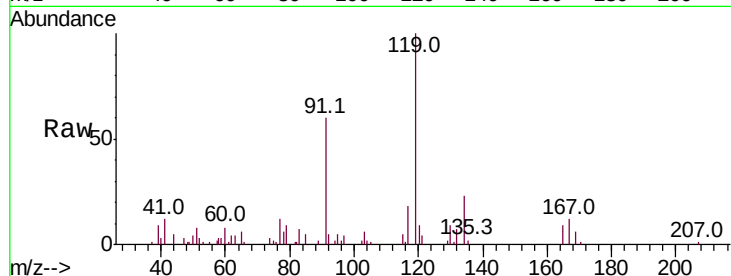
Tot Ion:119 Resp: 9335

Ion Ratio Lower Upper

119 100

91 65.7 31.1 93.5

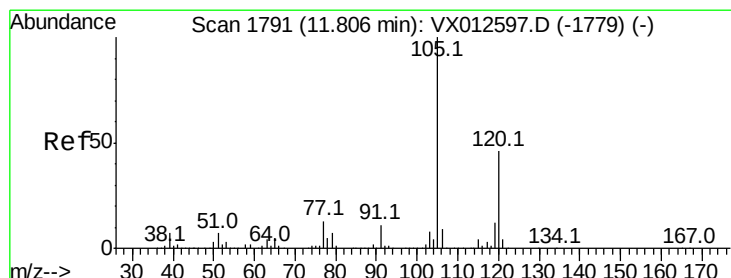
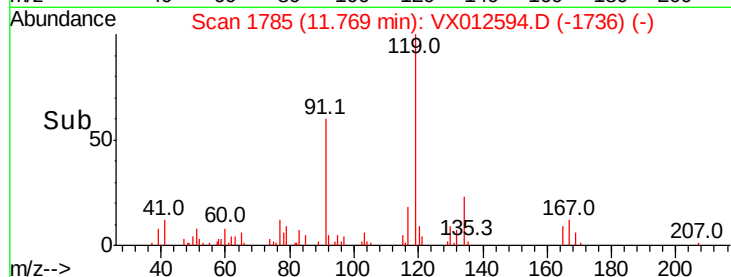
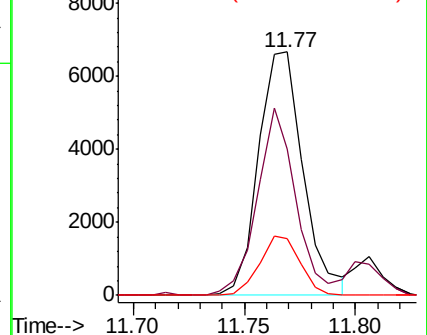
134 22.0 11.5 34.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 1.263 ug/l

RT: 11.81 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX012594.D

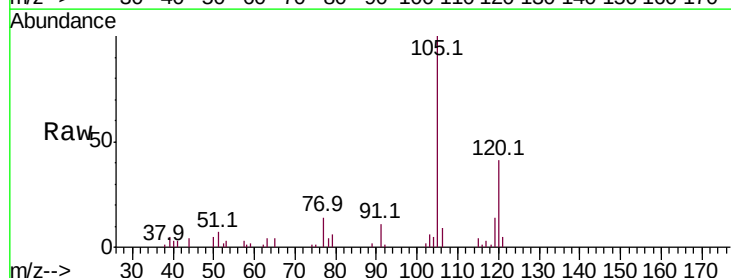
Acq: 23 Sep 2019 10:09

Tgt Ion:105 Resp: 9424

Ion Ratio Lower Upper

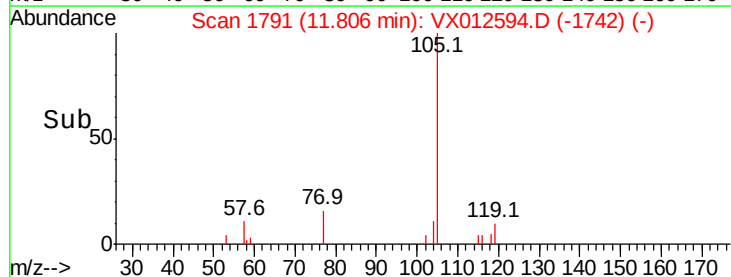
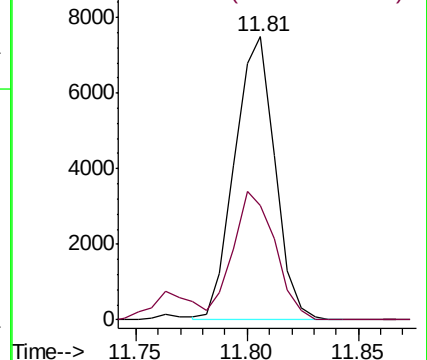
105 100

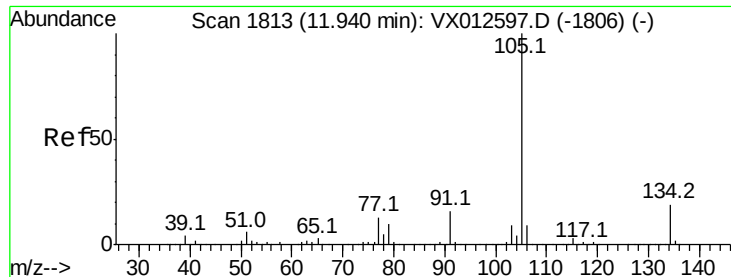
120 47.4 22.3 66.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 1.241 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX012594.D

Acq: 23 Sep 2019 10:09

Instrument :

MSVOA_X

ClientSampleId :

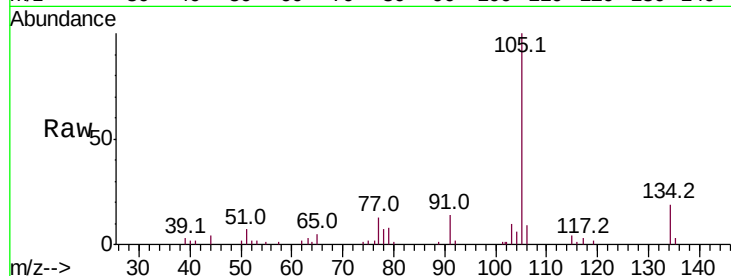
VSTDIC001

Tot Ion:105 Resp: 10570

Ion Ratio Lower Upper

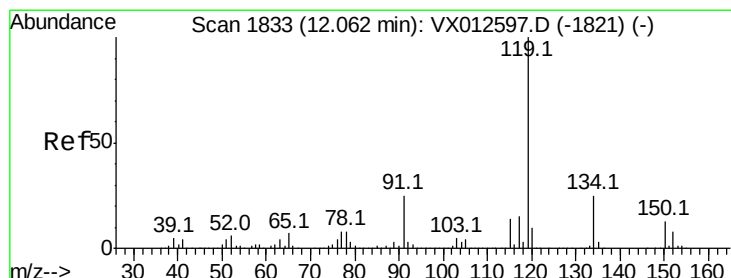
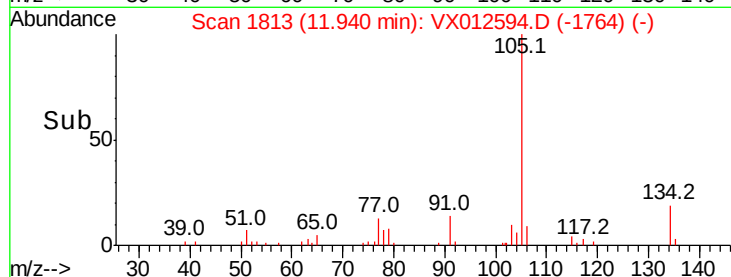
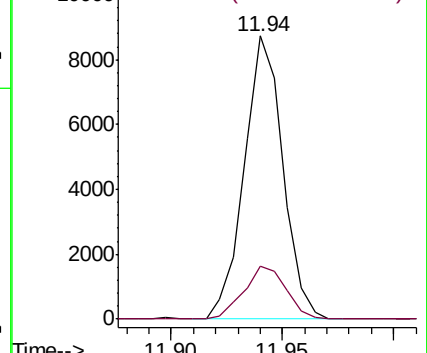
105 100

134 20.2 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: 1.147 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX012594.D

Acq: 23 Sep 2019 10:09

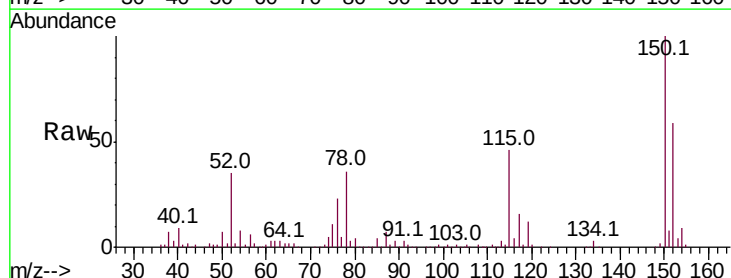
Tgt Ion:119 Resp: 8957

Ion Ratio Lower Upper

119 100

134 27.5 12.4 37.4

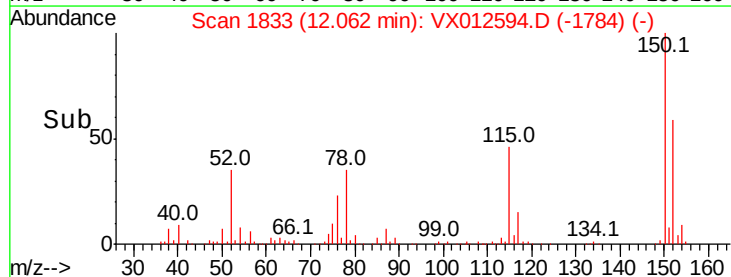
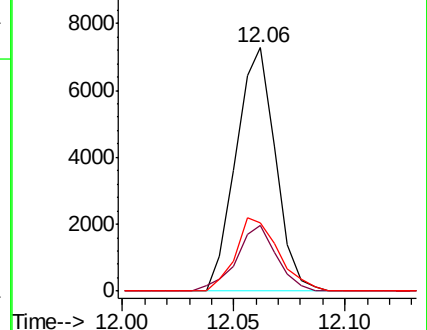
91 32.7 12.8 38.4

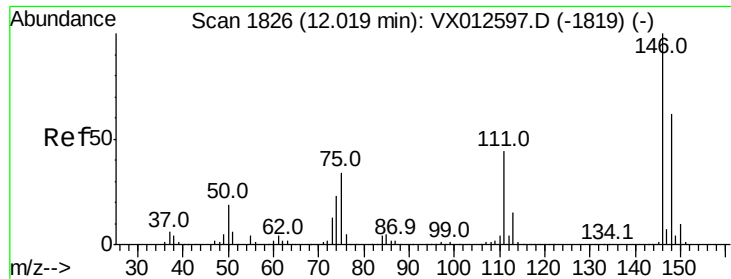


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

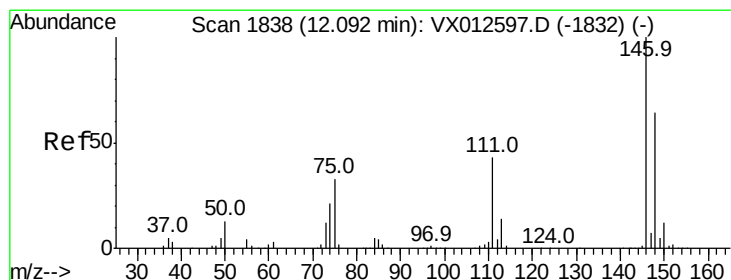
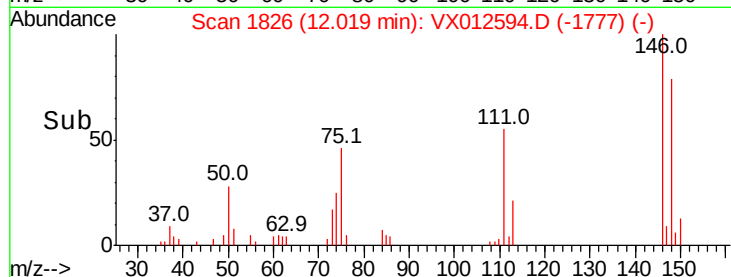
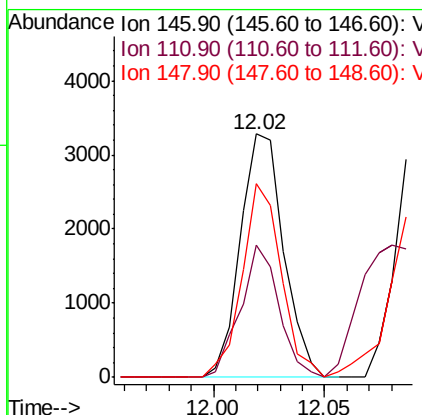
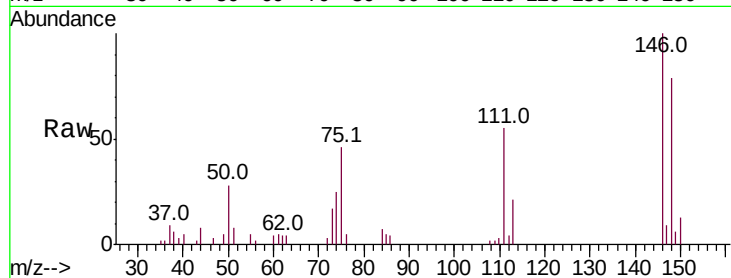




#87
 1,3-Dichlorobenzene
 Concen: 1.154 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX012594.D
 Acq: 23 Sep 2019 10:09

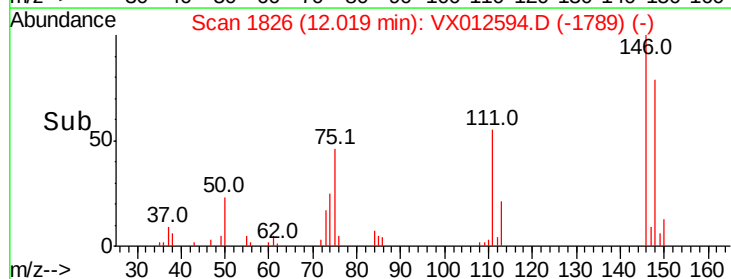
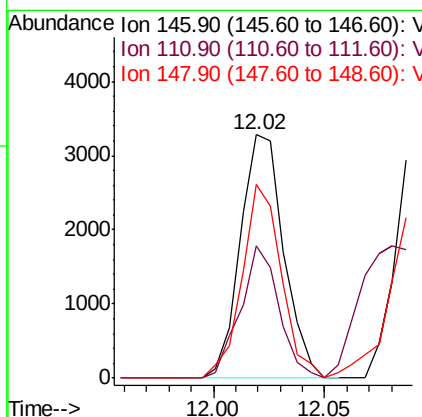
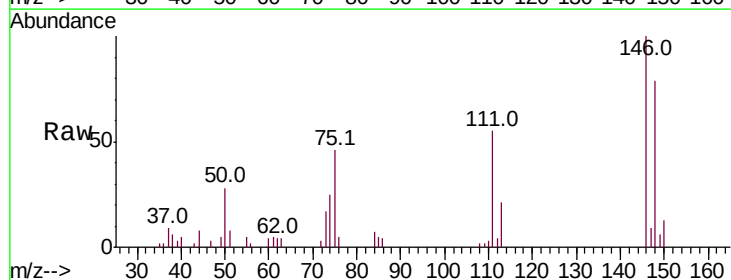
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

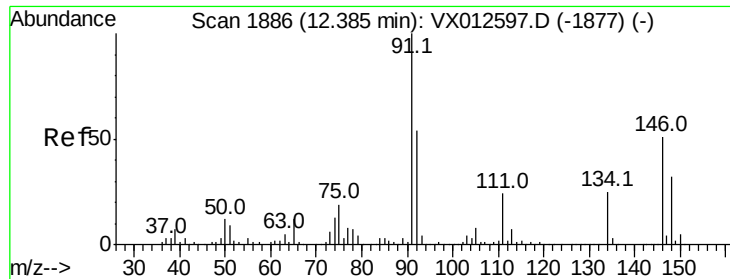
Tot Ion:146 Resp: 4449
 Ion Ratio Lower Upper
 146 100
 111 48.6 22.3 66.9
 148 72.0 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 1.126 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.07 min
 Lab File: VX012594.D
 Acq: 23 Sep 2019 10:09

Tgt Ion:146 Resp: 4449
 Ion Ratio Lower Upper
 146 100
 111 48.6 21.7 65.1
 148 72.0 31.8 95.3





#89

n-Butylbenzene

Concen: 1.188 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX012594.D

Acq: 23 Sep 2019 10:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

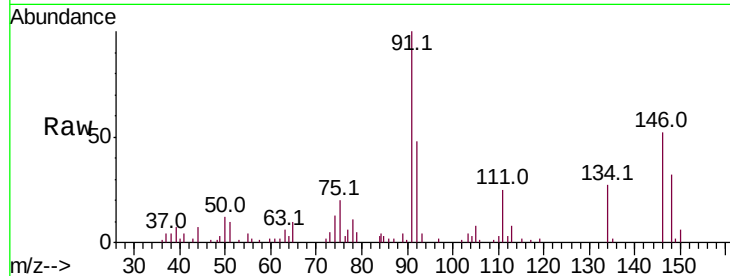
Tot Ion: 91 Resp: 8264

Ion Ratio Lower Upper

91 100

92 50.8 27.2 81.6

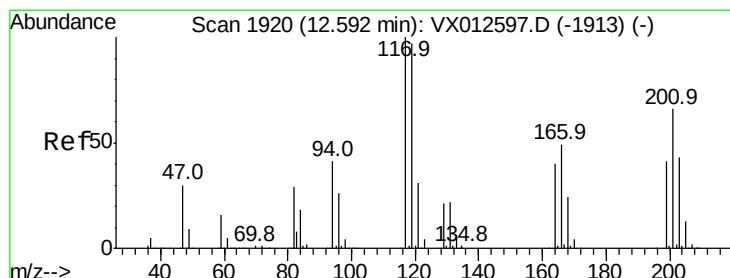
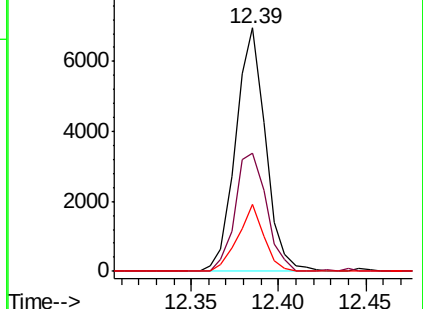
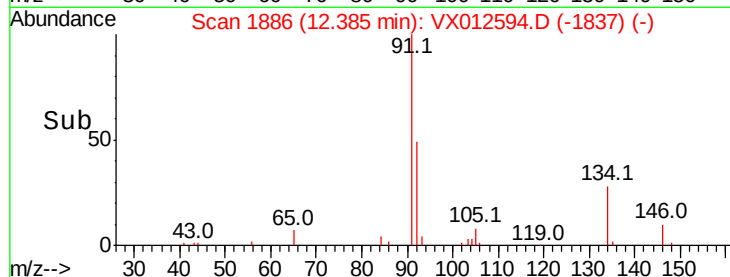
134 23.8 12.4 37.2



Abundance Ion 91.00 (90.70 to 91.70): VX012594.D (-1877) (-)

Ion 92.00 (91.70 to 92.70): VX012594.D (-1877) (-)

Ion 134.00 (133.70 to 134.70): VX012594.D (-1877) (-)



#90

Hexachloroethane

Concen: 1.174 ug/l

RT: 12.59 min Scan# 1920

Delta R.T. 0.00 min

Lab File: VX012594.D

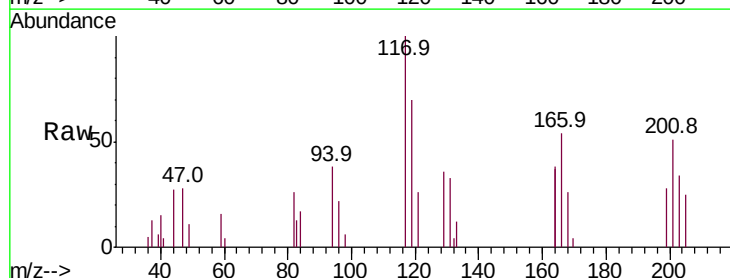
Acq: 23 Sep 2019 10:09

Tgt Ion: 117 Resp: 1664

Ion Ratio Lower Upper

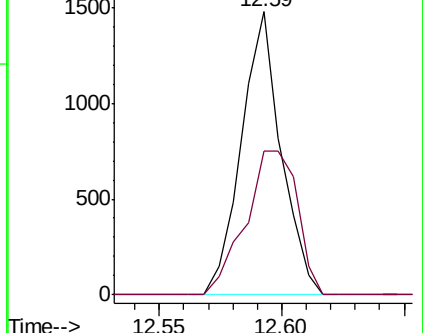
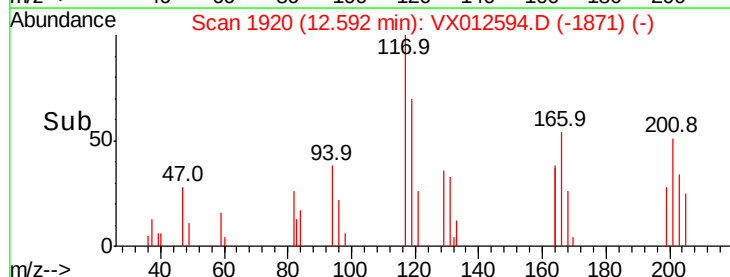
117 100

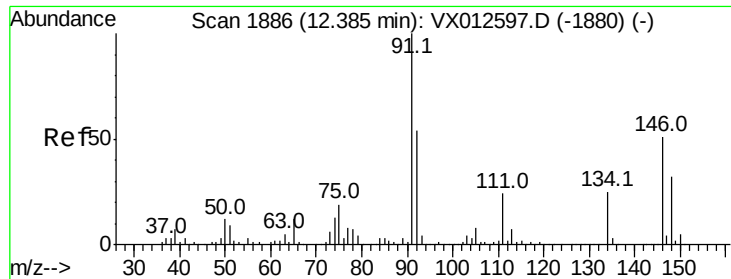
201 66.3 34.0 101.8



Abundance Ion 116.80 (116.50 to 117.50): VX012594.D (-1877) (-)

Ion 200.70 (200.40 to 201.40): VX012594.D (-1877) (-)





#91

1,2-Dichlorobenzene

Concen: 1.184 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX012594.D

Acq: 23 Sep 2019 10:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

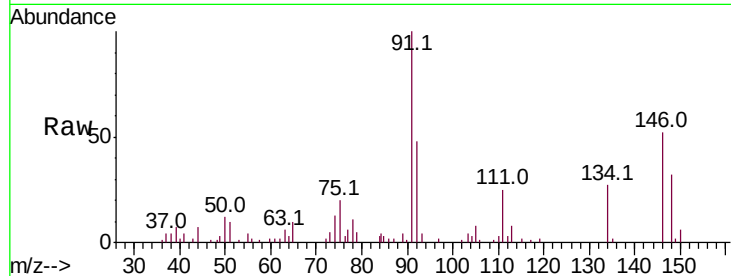
Tot Ion:146 Resp: 4732

Ion Ratio Lower Upper

146 100

111 43.9 22.8 68.4

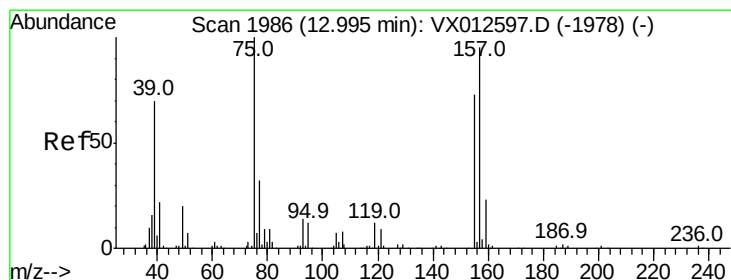
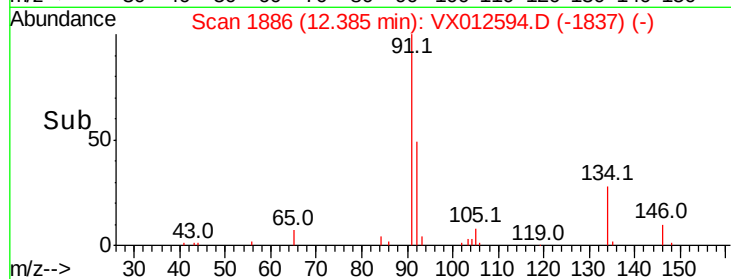
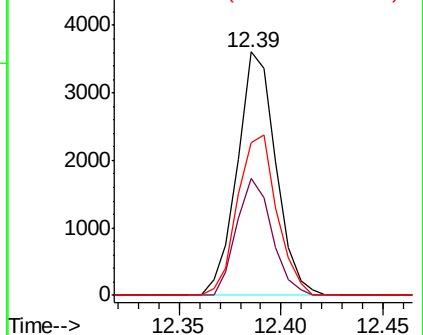
148 67.1 31.7 95.1



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.042 ug/l

RT: 13.00 min Scan# 1987

Delta R.T. 0.01 min

Lab File: VX012594.D

Acq: 23 Sep 2019 10:09

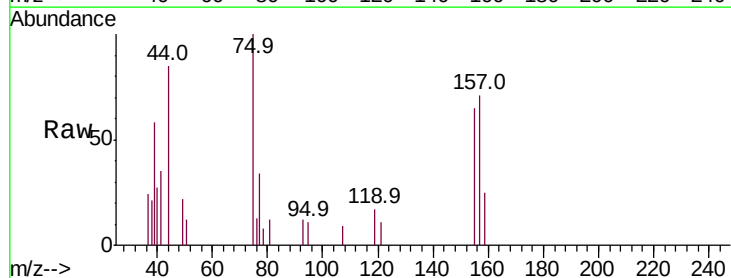
Tgt Ion: 75 Resp: 879

Ion Ratio Lower Upper

75 100

155 68.8 38.7 116.1

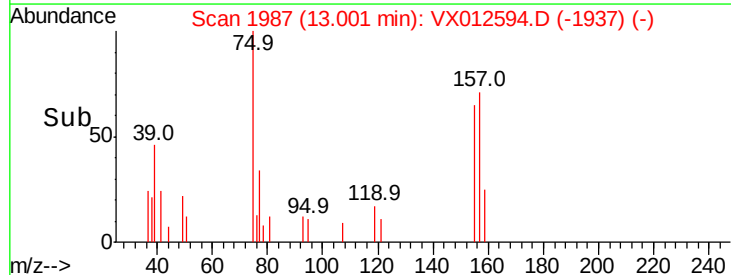
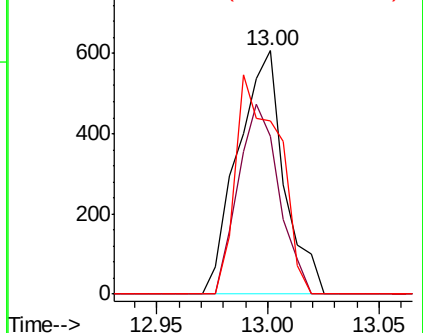
157 83.8 48.5 145.6

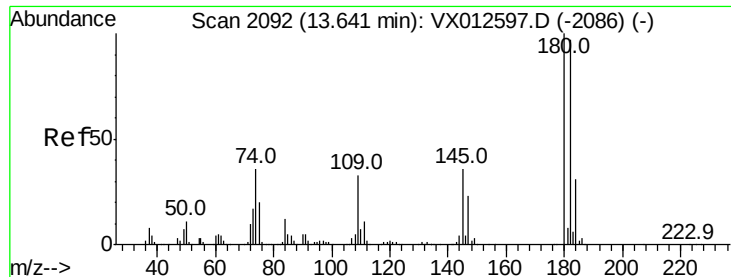


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

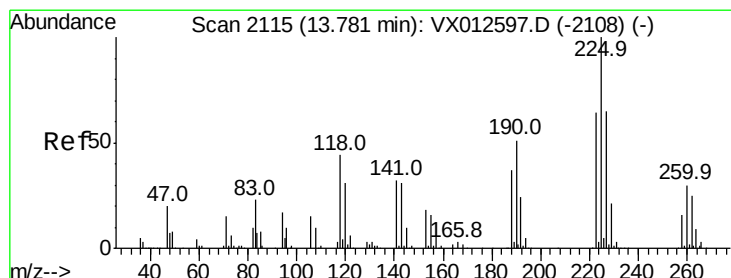
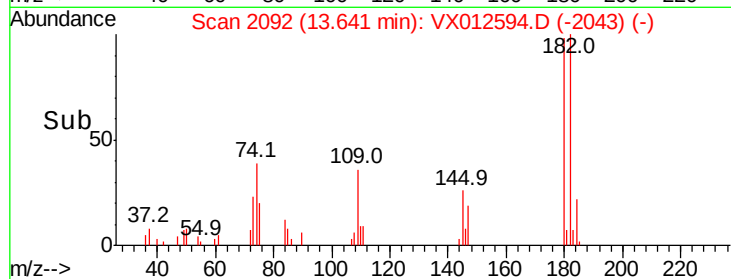
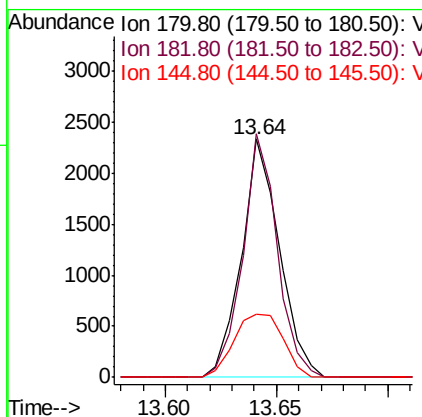
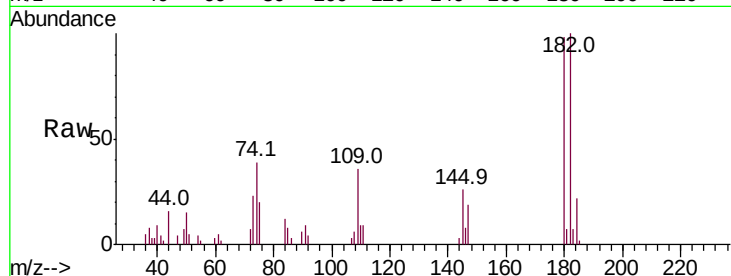




#93
 1,2,4-Trichlorobenzene
 Concen: 1.095 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX012594.D
 Acq: 23 Sep 2019 10:09

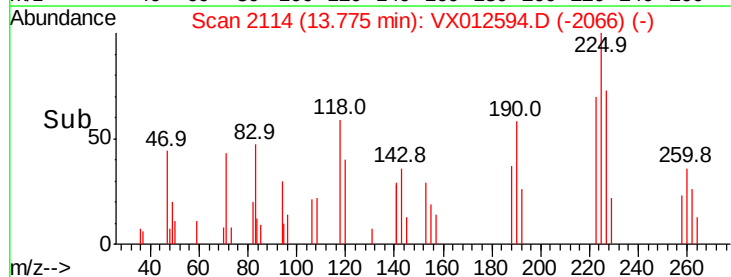
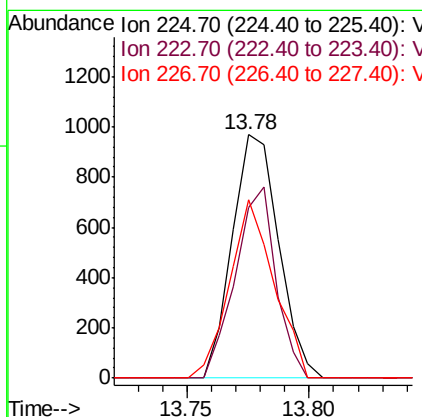
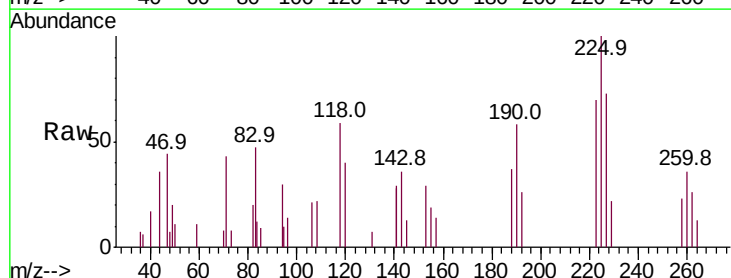
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

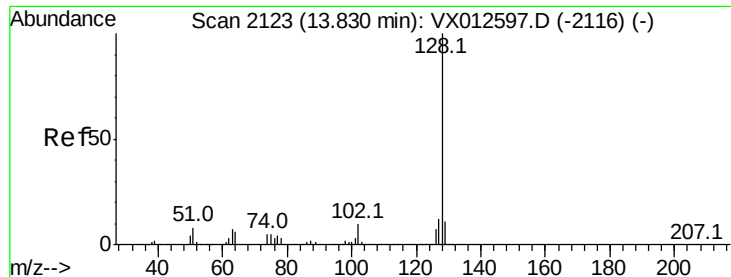
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.0	47.8	143.3
145	34.2	17.1	51.3



#94
 Hexachlorobutadiene
 Concen: 1.081 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. -0.01 min
 Lab File: VX012594.D
 Acq: 23 Sep 2019 10:09

Tgt Ion	Ratio	Lower	Upper
225	100		
223	68.5	31.7	95.1
227	69.5	31.1	93.5

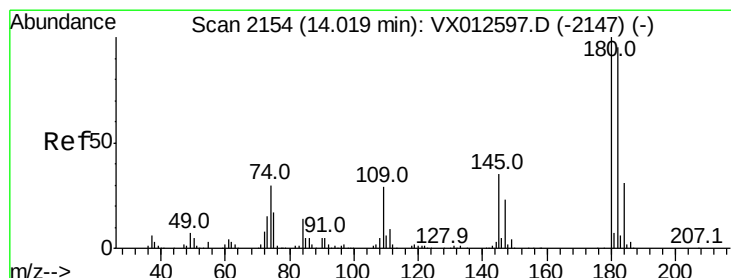
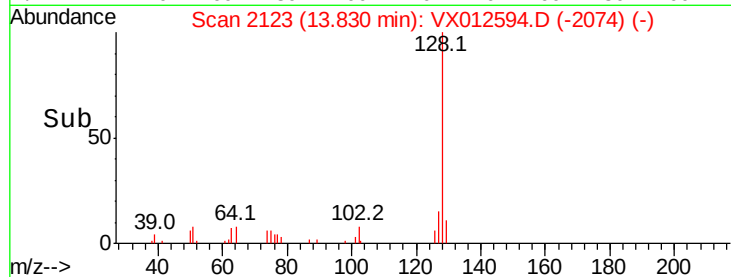
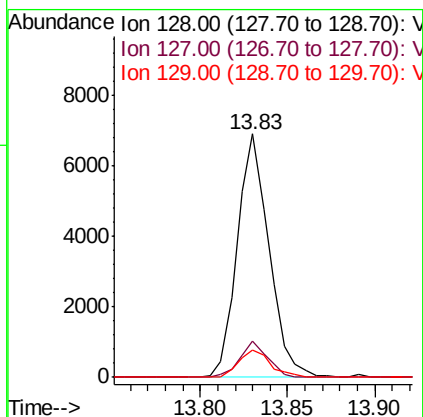
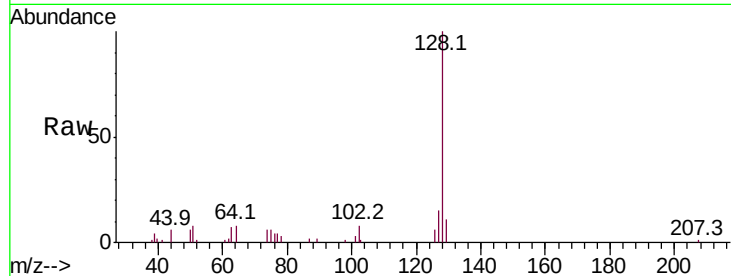




#95
Naphthalene
Concen: 0.962 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX012594.D
Acq: 23 Sep 2019 10:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion:128 Resp: 8749
Ion Ratio Lower Upper
128 100
127 12.9 10.2 15.2
129 11.3 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 1.055 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. -0.01 min
Lab File: VX012594.D
Acq: 23 Sep 2019 10:09

Tgt Ion:180 Resp: 2730
Ion Ratio Lower Upper
180 100
182 99.0 46.8 140.3
145 33.6 18.4 55.0

