

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050119\
 Data File : VX009253.D
 Acq On : 01 May 2019 12:17
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Quant Time: May 02 06:34:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X050119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 02 06:30:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	30358	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	182637	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	163562	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	76646	30.68	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.27%
60) 4-Bromofluorobenzene	11.13	95	83649	29.80	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.33%
63) Toluene-d8	8.71	98	229783	29.07	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	96.90%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	163908	102.419	ug/l 100
3) Chloromethane	1.32	50	214504	100.798	ug/l 100
4) Vinyl Chloride	1.41	62	218885	101.999	ug/l 97
5) Bromomethane	1.64	94	134232	110.280	ug/l 96
6) Chloroethane	1.71	64	137239	95.321	ug/l 99
7) Trichlorofluoromethane	1.92	101	269811	103.341	ug/l 99
8) Diethyl Ether	2.18	74	124529	102.637	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	168020	102.801	ug/l 100
10) 1,1-Dichloroethene	2.37	96	168532	102.663	ug/l 97
11) Methyl Iodide	2.51	142	213216	128.786	ug/l 99
12) Methyl Acetate	2.78	43	304579	101.557	ug/l 99
13) Acrolein	2.29	56	204187	520.899	ug/l 99
14) Acrylonitrile	3.14	53	677677	511.805	ug/l 99
15) Acetone	2.45	58	191449	486.702	ug/l 100
16) Carbon Disulfide	2.56	76	470038	106.757	ug/l 99
17) Allyl chloride	2.72	41	407678	105.336	ug/l 96
18) Methylene Chloride	2.85	84	199296	101.887	ug/l 97
19) trans-1,2-Dichloroethene	3.16	96	179322	103.603	ug/l 96
20) Diisopropyl ether	3.85	45	788691	102.462	ug/l 98
21) 1,1-Dichloroethane	3.70	63	382416	103.819	ug/l 99
22) cis-1,2-Dichloroethene	4.59	96	215305	103.225	ug/l 98
23) tert-Butyl Alcohol	3.06	59	289699	536.774	ug/l # 100
24) Methyl tert-Butyl Ether	3.20	73	657536	105.108	ug/l 99
25) Chloroform	5.21	83	349421	102.635	ug/l 99
26) Cyclohexane	5.57	56	362915	103.403	ug/l # 98
29) 1,1-Dichloropropene	5.80	75	271096	102.197	ug/l 99
30) 2-Butanone	4.68	43	1040825	501.300	ug/l 99
31) 2,2-Dichloropropane	4.58	77	297804	102.853	ug/l 100
32) 1,1,1-Trichloroethane	5.49	97	294646	105.749	ug/l 97
33) Carbon Tetrachloride	5.79	117	246382	104.016	ug/l 99
34) Benzene	6.14	78	822901	100.053	ug/l 99
35) Methacrylonitrile	5.04	41	220994	101.559	ug/l 96
36) 1,2-Dichloroethane	6.20	62	297396	100.374	ug/l 99
37) Trichloroethene	7.21	130	199157	103.373	ug/l 97
38) Methylcyclohexane	7.46	83	335717	103.532	ug/l 99
39) 1,2-Dichloropropane	7.51	63	236478	102.413	ug/l 99
40) Dibromomethane	7.66	93	133916	101.820	ug/l 99

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 02 06:30:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	279792	106.236	ug/l	97
42) Vinyl Acetate	3.81	43	3504956	509.313	ug/l	99
43) Ethyl Acetate	4.84	43	383161	99.750	ug/l	100
44) Isopropyl Acetate	6.45	43	623362	105.472	ug/l	99
45) 1,4-Dioxane	7.74	88	119461	2033.189	ug/l	100
46) Methyl methacrylate	7.77	41	310562	103.946	ug/l	97
47) n-amyl Acetate	10.90	43	574607	108.882	ug/l	99
48) t-1,3-Dichloropropene	9.04	75	334368	111.024	ug/l	97
49) cis-1,3-Dichloropropene	8.43	75	360986	107.664	ug/l	99
50) 1,1,2-Trichloroethane	9.21	97	203194	100.637	ug/l	98
51) Ethyl methacrylate	9.18	69	384071	104.741	ug/l	99
52) 1,3-Dichloropropane	9.37	76	362070	100.949	ug/l	100
53) Dibromochloromethane	9.59	129	211939	109.175	ug/l	99
54) 1,2-Dibromoethane	9.67	107	210666	102.697	ug/l	100
55) 2-Chloroethyl vinyl ether	8.31	63	1016433	492.054	ug/l	100
56) Bromoform	10.85	173	167947	116.415	ug/l	99
58) 4-Methyl-2-Pentanone	8.64	43	2003839	501.026	ug/l	99
59) 2-Hexanone	9.49	43	1587087	503.142	ug/l	99
61) Tetrachloroethene	9.34	164	175979	97.705	ug/l	98
62) Toluene	8.79	91	869511	98.964	ug/l	100
64) Chlorobenzene	10.14	112	522343	100.774	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.22	131	193834	103.332	ug/l	99
66) Ethyl Benzene	10.25	91	974769	100.565	ug/l	98
67) m/p-Xylenes	10.36	106	715749	202.777	ug/l	99
68) o-Xylene	10.70	106	349770	101.928	ug/l	98
69) Styrene	10.71	104	625197	103.698	ug/l	100
70) Isopropylbenzene	11.02	105	929621	99.403	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.27	83	345792	102.857	ug/l	99
72) 1,2,3-Trichloropropane	11.29	75	426393	143.808	ug/l	82
73) Bromobenzene	11.26	156	233585	101.525	ug/l	99
74) n-propylbenzene	11.36	91	1103293	102.745	ug/l	99
75) 2-Chlorotoluene	11.42	91	651207	100.709	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	803844	102.356	ug/l	99
77) t-1,4-Dichloro-2-butene	11.07	75	130705	119.457	ug/l	97
78) 4-Chlorotoluene	11.51	91	755174	104.336	ug/l	99
79) tert-butylbenzene	11.77	119	774598	102.107	ug/l	100
80) 1,2,4-Trimethylbenzene	11.80	105	805704	102.734	ug/l	99
81) sec-Butylbenzene	11.94	105	925399	102.985	ug/l	100
82) p-Isopropyltoluene	12.06	119	850354	104.293	ug/l	100
83) 1,3-Dichlorobenzene	12.02	146	423112	106.074	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	424912	108.147	ug/l	99
85) n-Butylbenzene	12.38	91	803248	110.996	ug/l	100
86) Hexachloroethane	12.60	117	149803	108.224	ug/l	96
87) 1,2-Dichlorobenzene	12.39	146	424040	104.021	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.00	75	80478	103.703	ug/l	99
89) 1,2,4-Trichlorobenzene	13.65	180	305474	109.438	ug/l	99
90) Hexachlorobutadiene	13.78	225	153615	108.559	ug/l	99
91) Naphthalene	13.83	128	971957	101.653	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	301304	102.607	ug/l	99

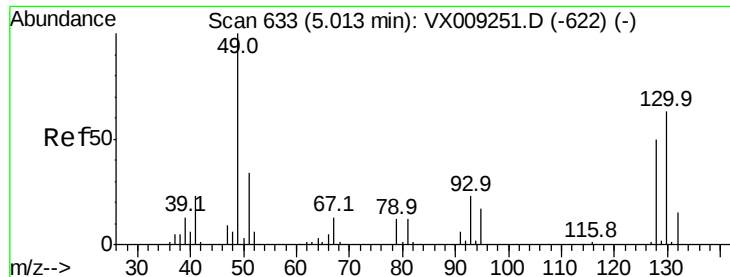
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QLast Update : Thu May 02 06:30:24 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.02 min Scan# 634

Delta R.T. 0.01 min

Lab File: VX009253.D

Acq: 01 May 2019 12:17

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

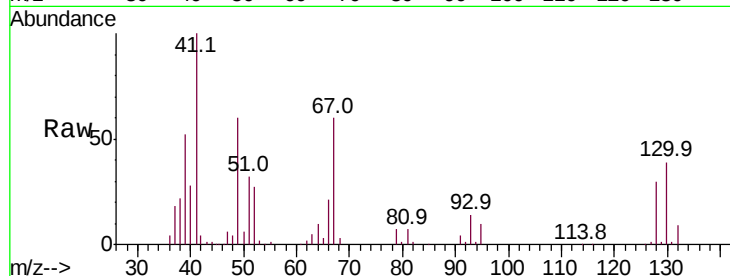
Tot Ion:128 Resp: 30358

Ion Ratio Lower Upper

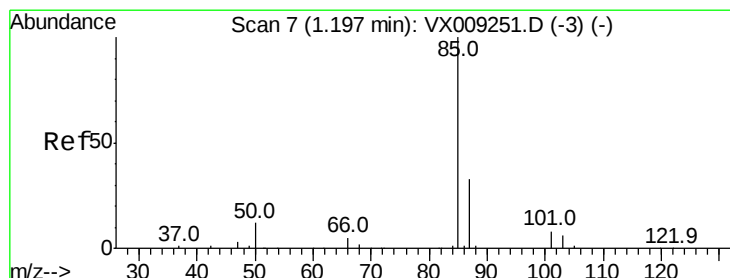
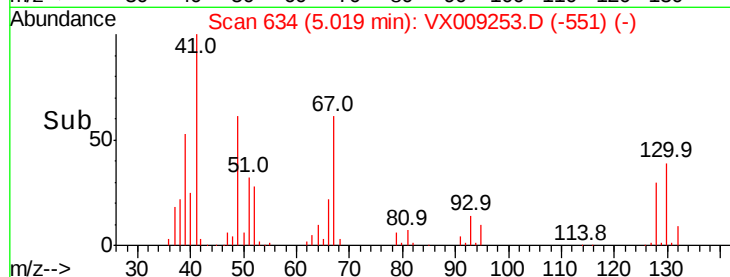
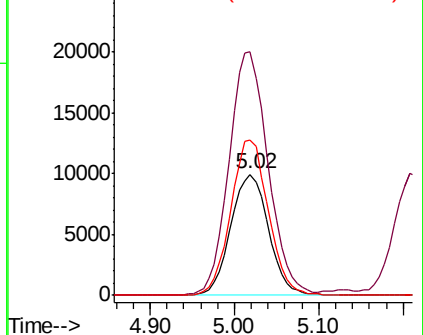
128 100

49 208.0 0.0 515.0

130 127.1 0.0 323.3



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VX0
Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 102.419 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX009253.D

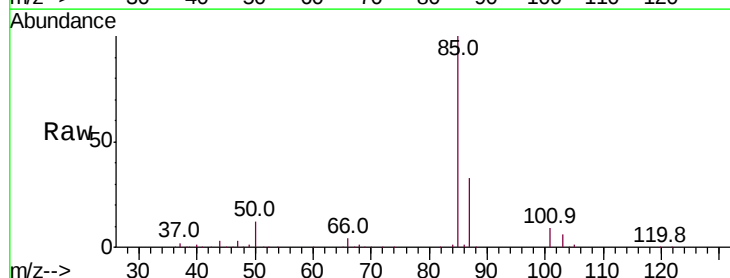
Acq: 01 May 2019 12:17

Tgt Ion: 85 Resp: 163908

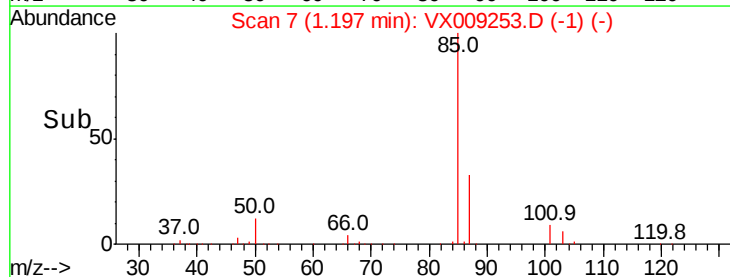
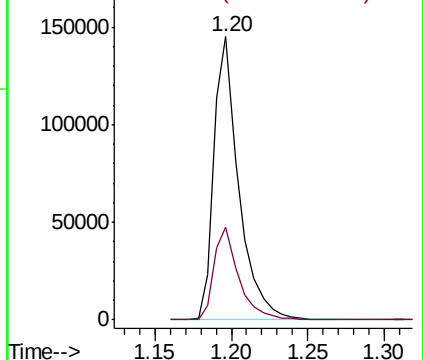
Ion Ratio Lower Upper

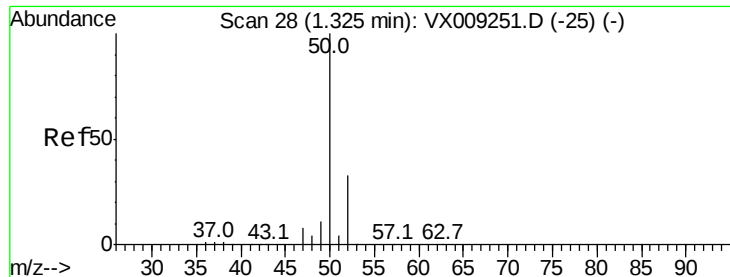
85 100

87 32.5 16.3 48.9



Abundance Ion 85.00 (84.70 to 85.70): VX0
Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 100.798 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009253.D

Acq: 01 May 2019 12:17

Instrument :

MSVOA_X

ClientSampleId :

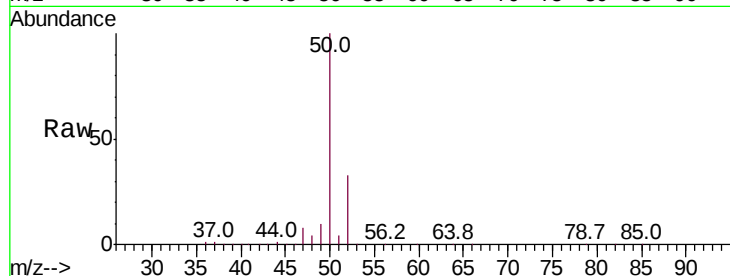
VSTDIC100

Tot Ion: 50 Resp: 214504

Ion Ratio Lower Upper

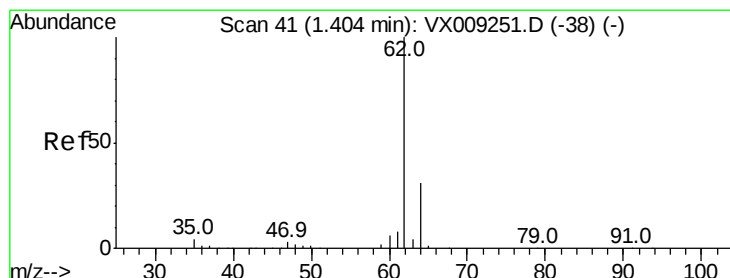
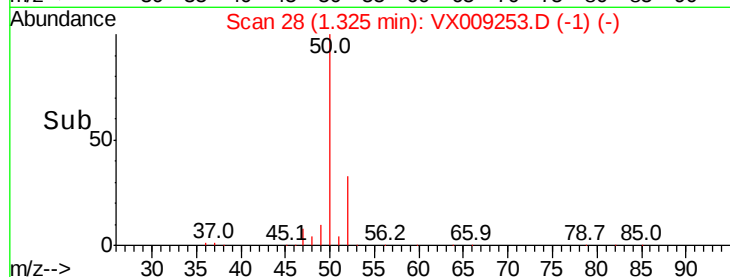
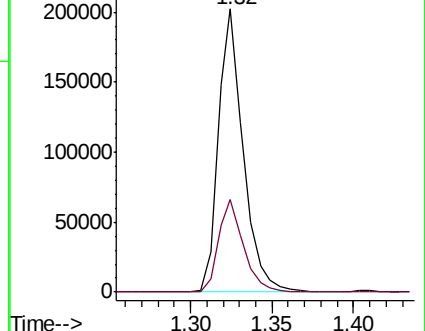
50 100

52 32.7 26.3 39.5



Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#4

Vinyl Chloride

Concen: 101.999 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX009253.D

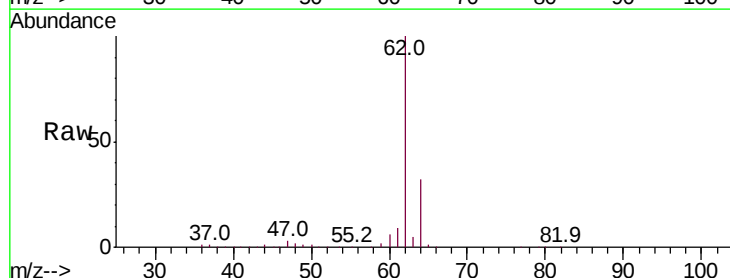
Acq: 01 May 2019 12:17

Tgt Ion: 62 Resp: 218885

Ion Ratio Lower Upper

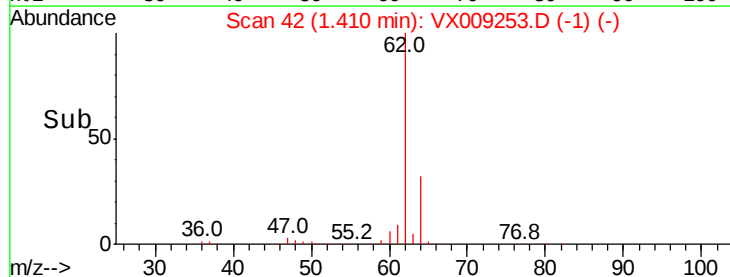
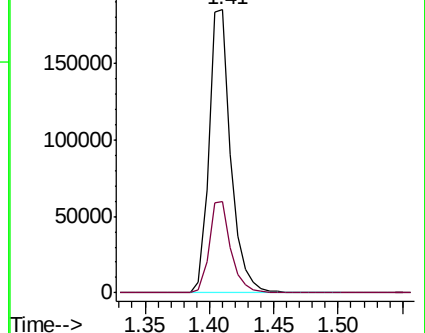
62 100

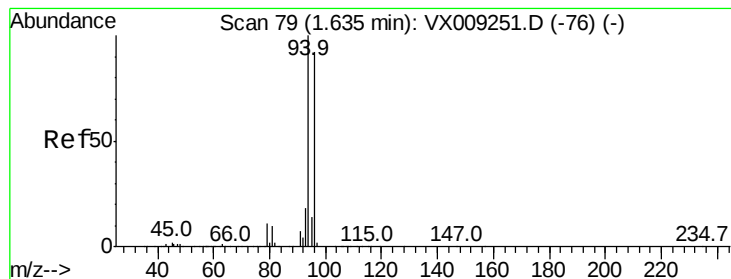
64 32.2 24.6 36.8



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0





#5

Bromomethane

Concen: 110.280 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009253.D

Acq: 01 May 2019 12:17

Instrument :

MSVOA_X

ClientSampleId :

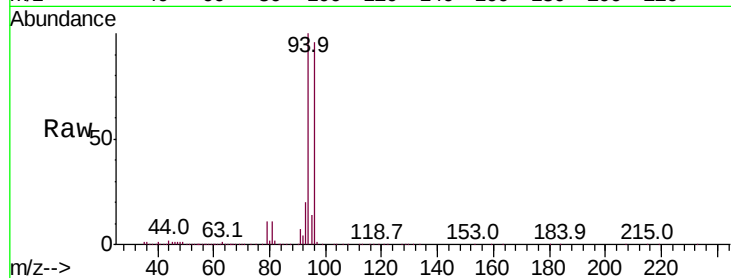
VSTDIC100

Tot Ion: 94 Resp: 134232

Ion Ratio Lower Upper

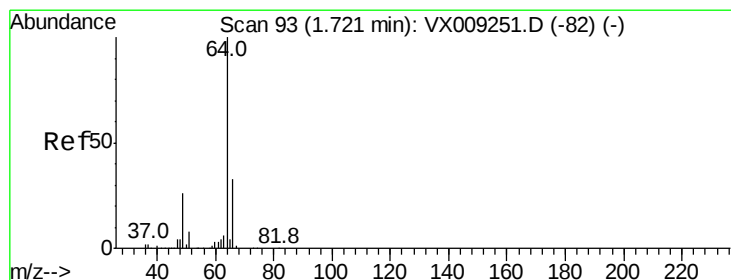
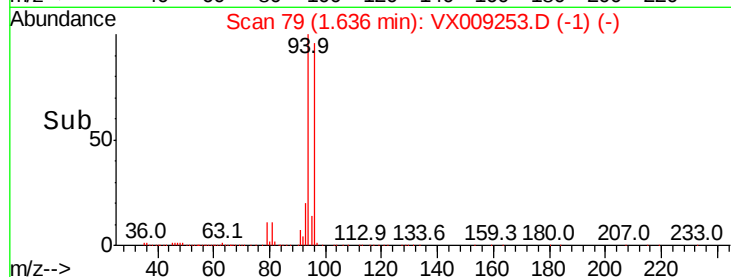
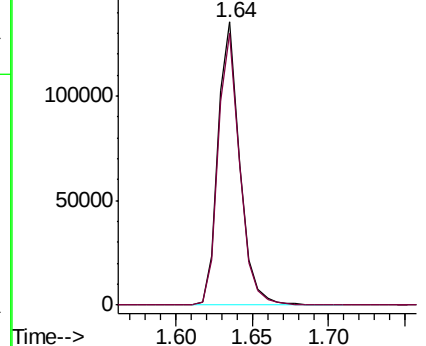
94 100

96 96.0 73.5 110.3



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 95.321 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX009253.D

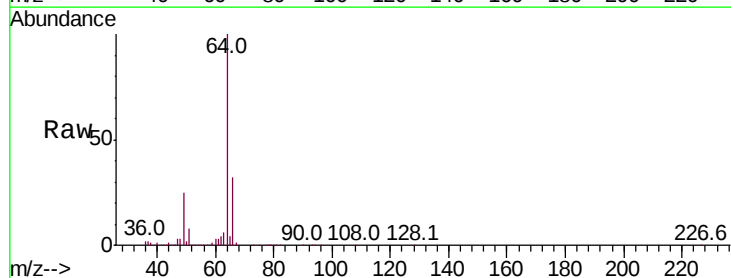
Acq: 01 May 2019 12:17

Tgt Ion: 64 Resp: 137239

Ion Ratio Lower Upper

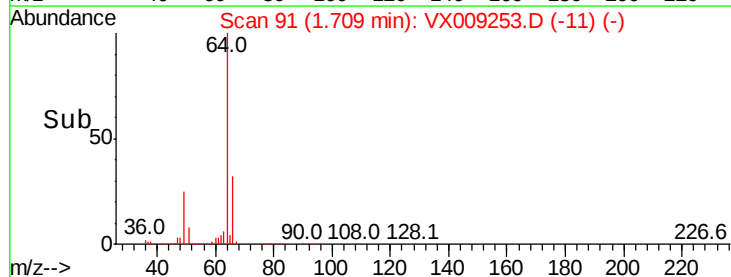
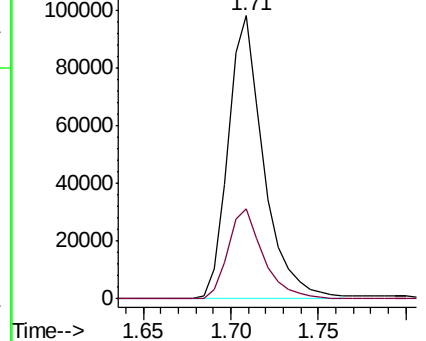
64 100

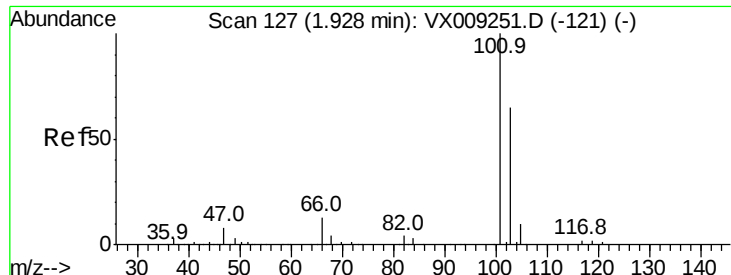
66 31.9 25.9 38.9



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0



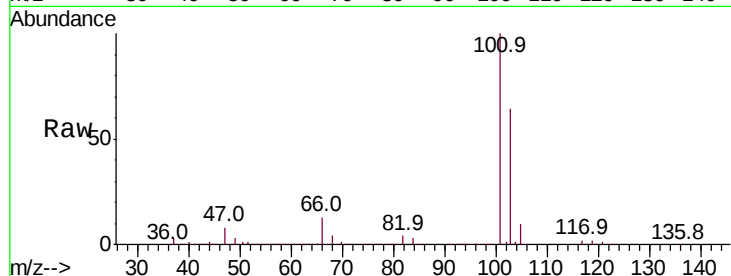


#7

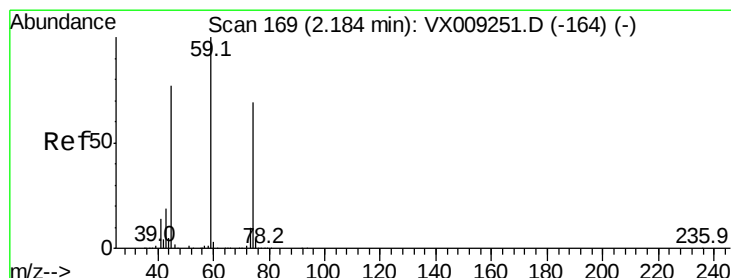
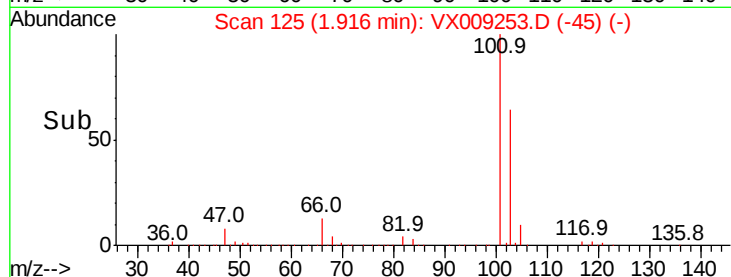
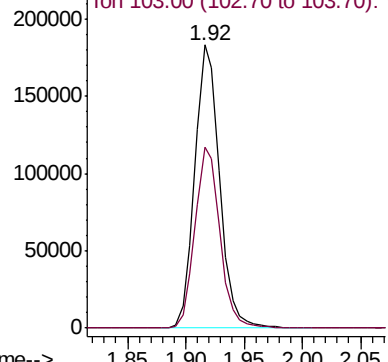
Trichlorofluoromethane
Concen: 103.341 ug/l
RT: 1.92 min Scan# 125
Delta R.T. -0.01 min
Lab File: VX009253.D
Acq: 01 May 2019 12:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion:101 Resp: 269811
Ion Ratio Lower Upper
101 100
103 64.1 51.9 77.9



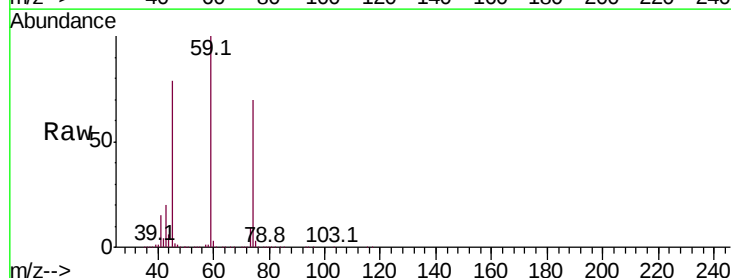
Abundance Ion 101.00 (100.70 to 101.70): V
Ion 103.00 (102.70 to 103.70): V



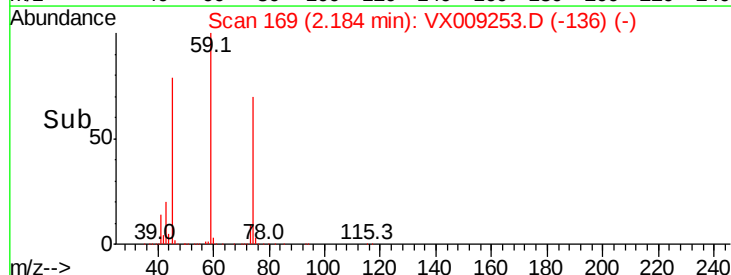
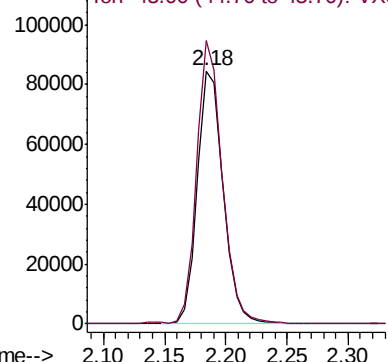
#8

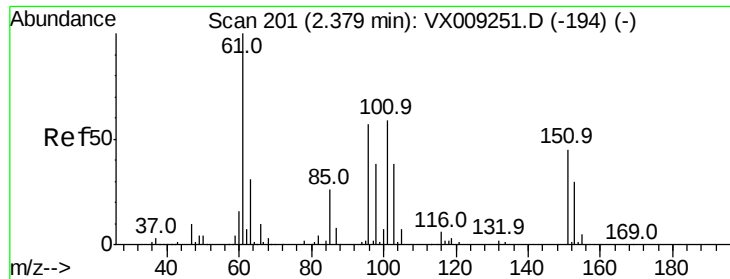
Diethyl Ether
Concen: 102.637 ug/l
RT: 2.18 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX009253.D
Acq: 01 May 2019 12:17

Tgt Ion: 74 Resp: 124529
Ion Ratio Lower Upper
74 100
45 109.5 21.5 193.9



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: 102.801 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.01 min

Lab File: VX009253.D

Acq: 01 May 2019 12:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

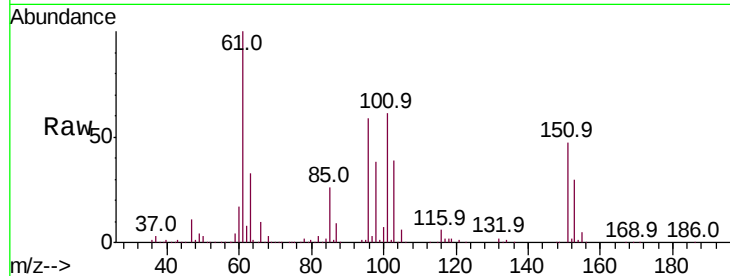
Tot Ion:101 Resp: 168020

Ion Ratio Lower Upper

101 100

85 43.7 0.0 87.4

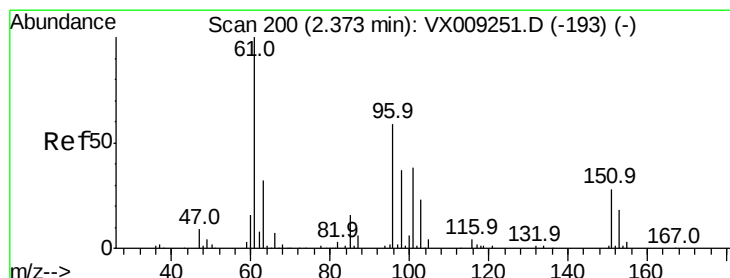
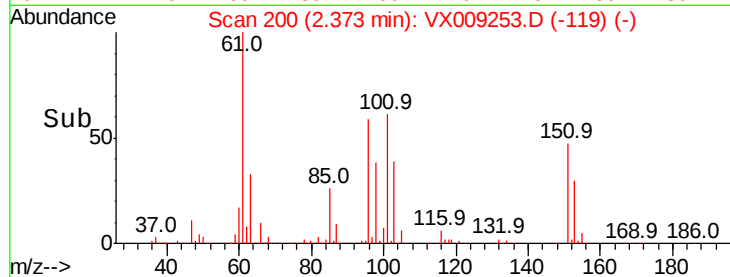
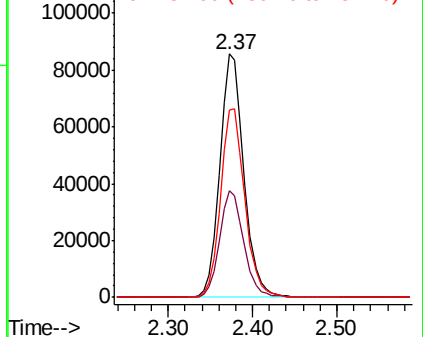
151 78.1 0.0 157.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VX0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 102.663 ug/l

RT: 2.37 min Scan# 199

Delta R.T. -0.01 min

Lab File: VX009253.D

Acq: 01 May 2019 12:17

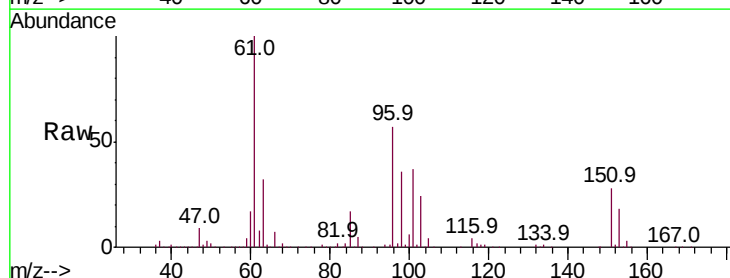
Tgt Ion: 96 Resp: 168532

Ion Ratio Lower Upper

96 100

61 175.6 136.5 204.7

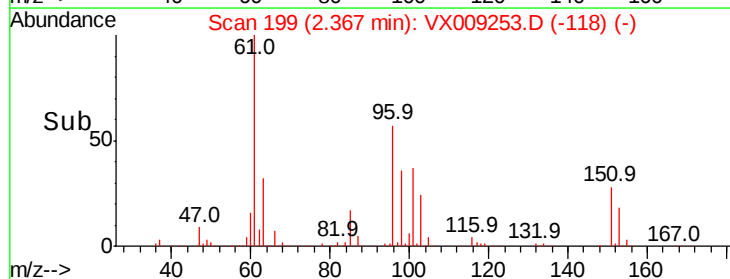
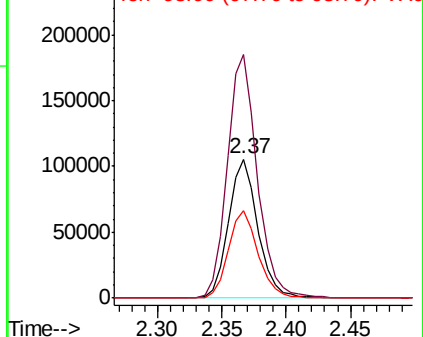
98 63.4 51.0 76.4

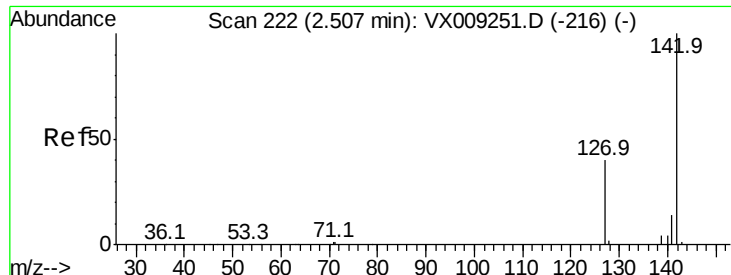


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

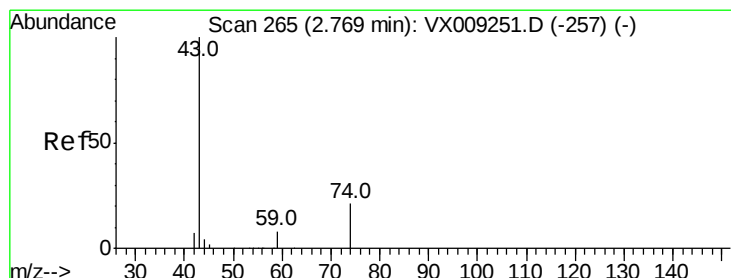
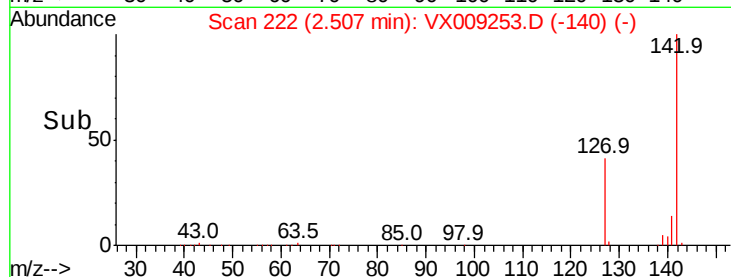
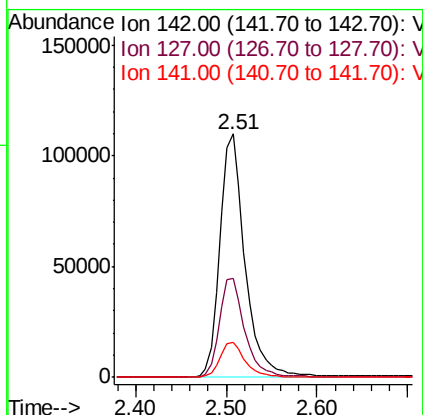
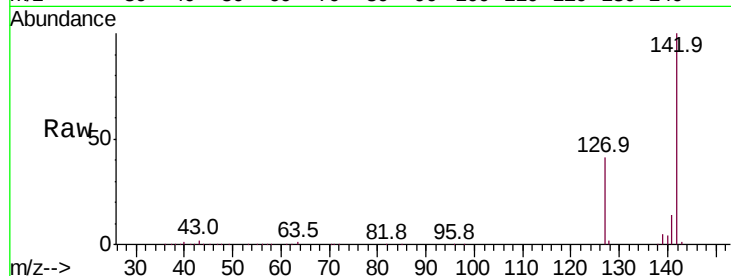




#11
Methyl Iodide
Concen: 128.786 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.00 min
Lab File: VX009253.D
Acq: 01 May 2019 12:17

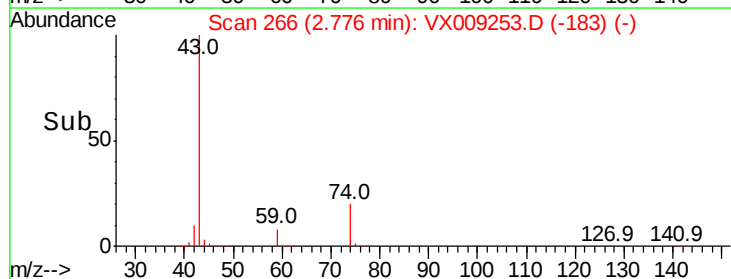
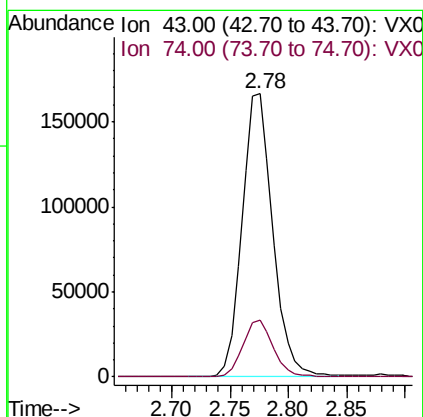
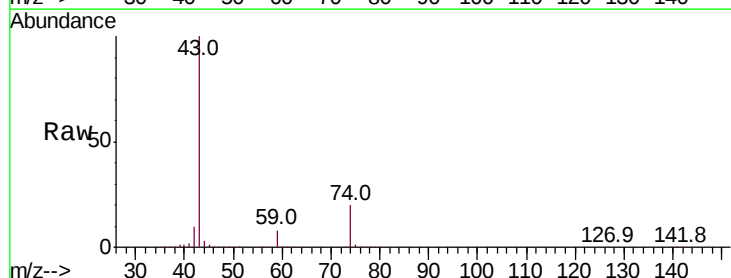
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

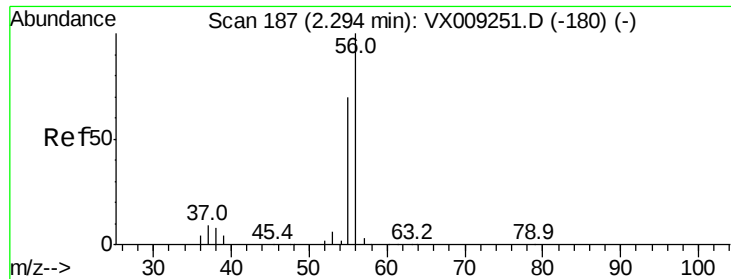
Tot Ion:142 Resp: 213216
Ion Ratio Lower Upper
142 100
127 40.6 20.2 60.5
141 14.2 6.9 20.7



#12
Methyl Acetate
Concen: 101.557 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX009253.D
Acq: 01 May 2019 12:17

Tgt Ion: 43 Resp: 304579
Ion Ratio Lower Upper
43 100
74 20.2 16.5 24.7





#13

Acrolein

Concen: 520.899 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX009253.D

Acq: 01 May 2019 12:17

Instrument :

MSVOA_X

ClientSampled :

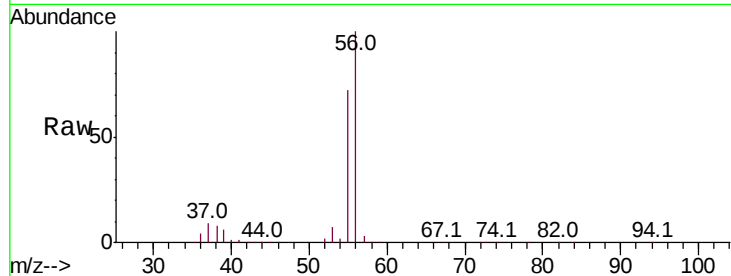
VSTDIC100

Tot Ion: 56 Resp: 204187

Ion Ratio Lower Upper

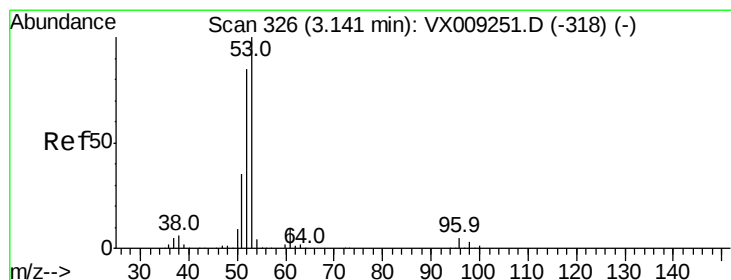
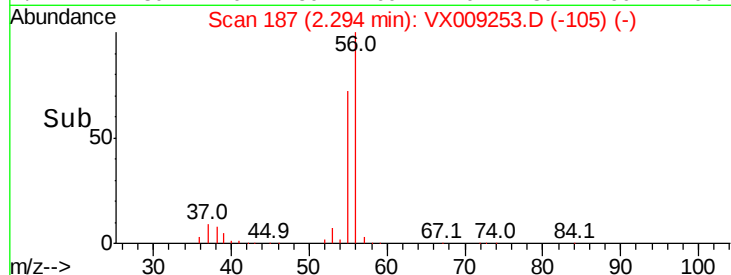
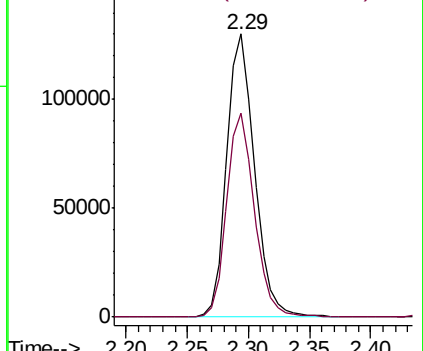
56 100

55 72.1 56.9 85.3



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Acrylonitrile

Concen: 511.805 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX009253.D

Acq: 01 May 2019 12:17

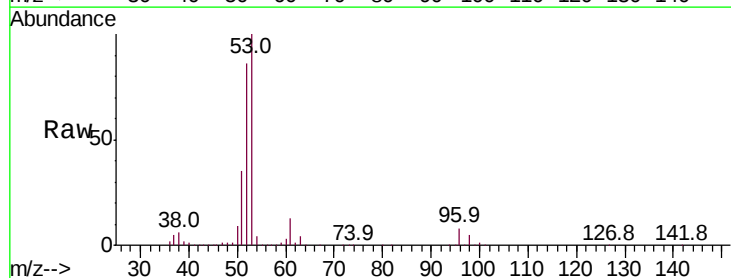
Tgt Ion: 53 Resp: 677677

Ion Ratio Lower Upper

53 100

52 83.7 41.5 124.5

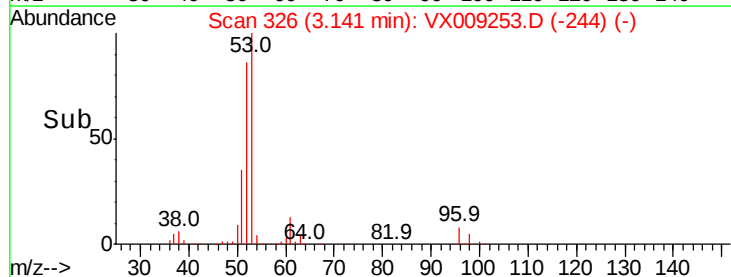
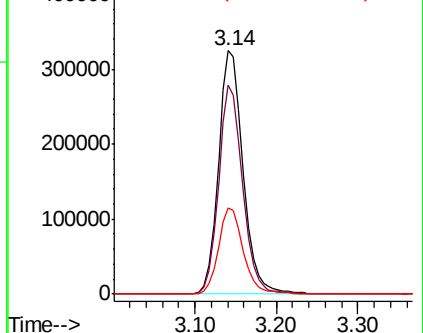
51 36.0 17.8 53.3

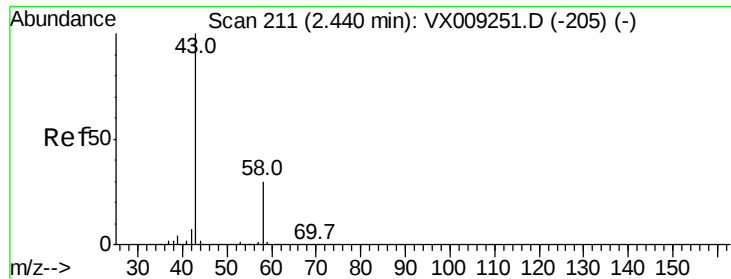


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#15

Acetone

Concen: 486.702 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.01 min

Lab File: VX009253.D

Acq: 01 May 2019 12:17

Instrument :

MSVOA_X

ClientSampleId :

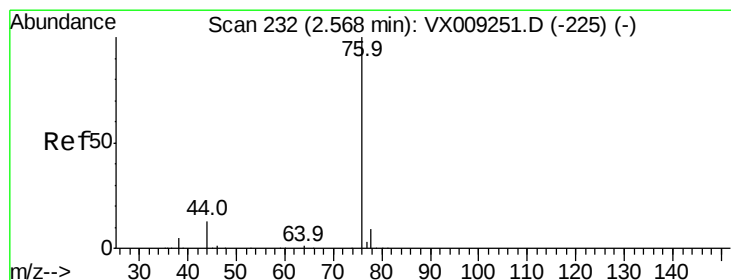
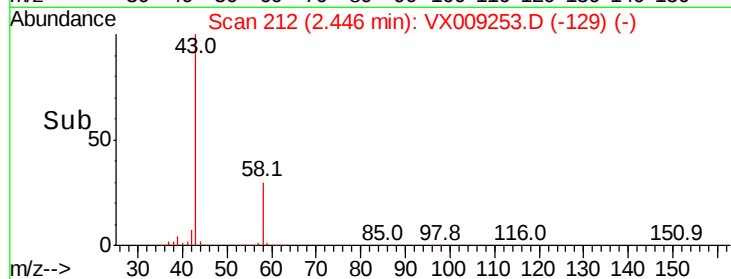
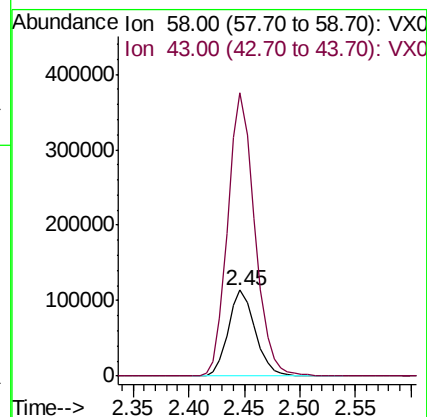
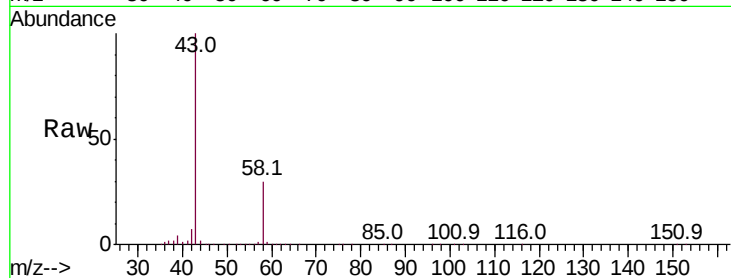
VSTDIC100

Tot Ion: 58 Resp: 191449

Ion Ratio Lower Upper

58 100

43 329.7 264.0 396.0



#16

Carbon Disulfide

Concen: 106.757 ug/l

RT: 2.56 min Scan# 231

Delta R.T. -0.01 min

Lab File: VX009253.D

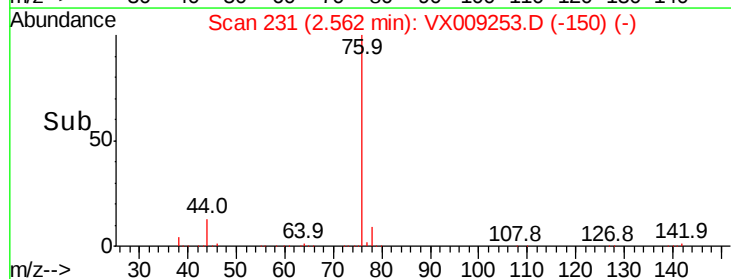
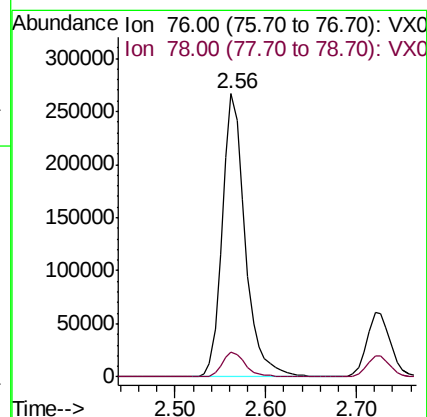
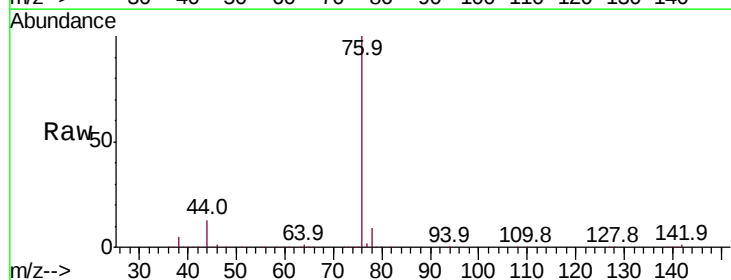
Acq: 01 May 2019 12:17

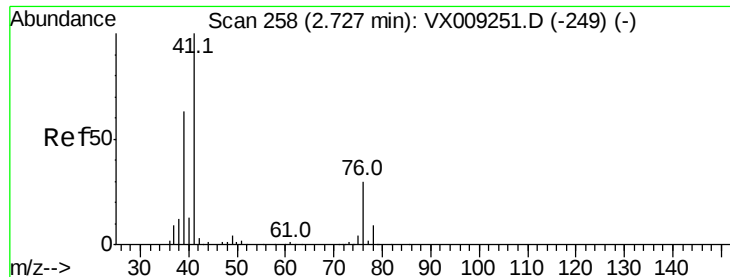
Tgt Ion: 76 Resp: 470038

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.2





#17

Allvl chloride

Concen: 105.336 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.01 min

Lab File: VX009253.D

Acq: 01 May 2019 12:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

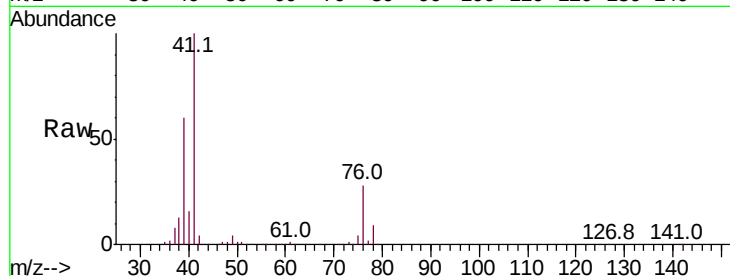
Tot Ion: 41 Resp: 407678

Ion Ratio Lower Upper

41 100

39 59.7 31.6 94.7

76 28.1 15.1 45.3

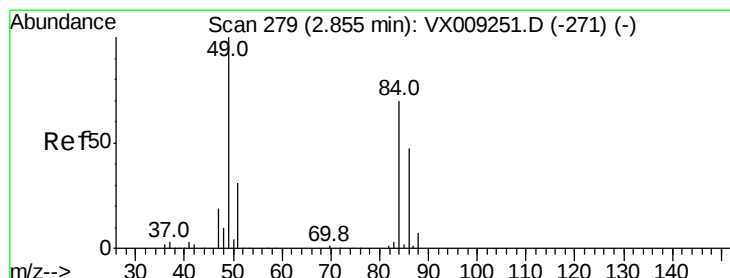
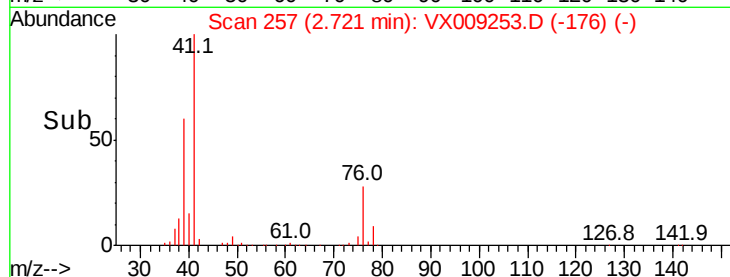
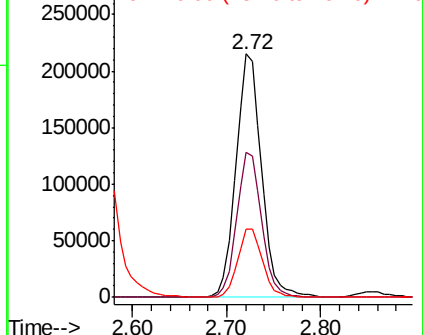


Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 76.00 (75.70 to 76.70): VX0



#18

Methylene Chloride

Concen: 101.887 ug/l

RT: 2.85 min Scan# 279

Delta R.T. 0.00 min

Lab File: VX009253.D

Acq: 01 May 2019 12:17

Tgt Ion: 84 Resp: 199296

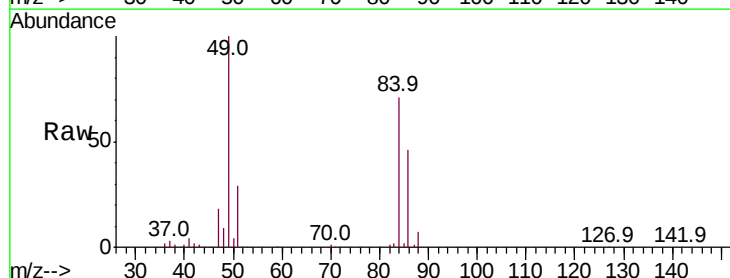
Ion Ratio Lower Upper

84 100

49 140.6 114.6 171.8

51 41.4 35.5 53.3

86 64.0 53.4 80.2



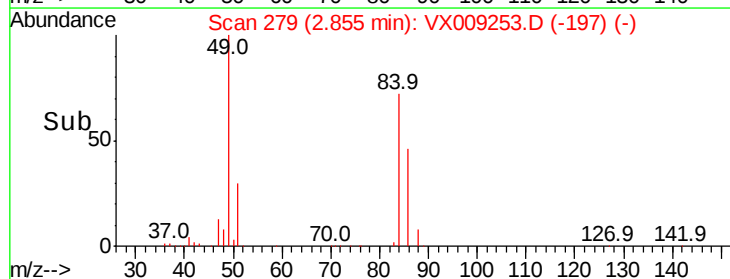
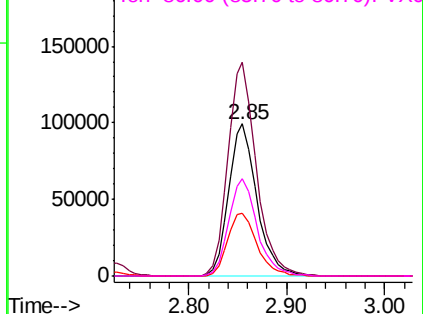
Abundance

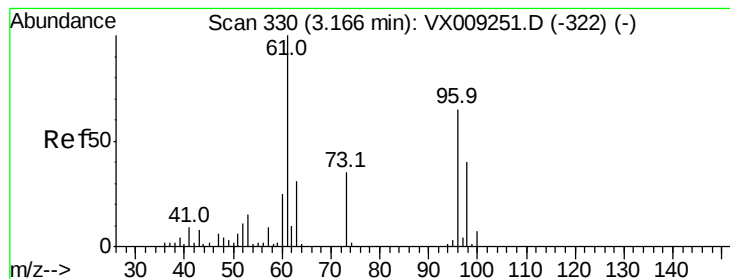
Ion 84.00 (83.70 to 84.70): VX0

Ion 49.00 (48.70 to 49.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

Ion 86.00 (85.70 to 86.70): VX0





#19

trans-1,2-Dichloroethene

Concen: 103.603 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX009253.D

Acq: 01 May 2019 12:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

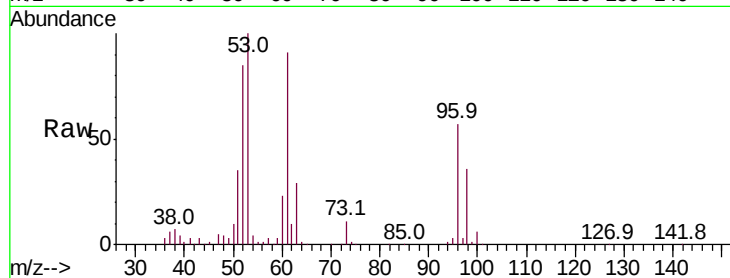
Tot Ion: 96 Resp: 179322

Ion Ratio Lower Upper

96 100

61 159.7 122.7 184.1

98 63.3 49.5 74.3

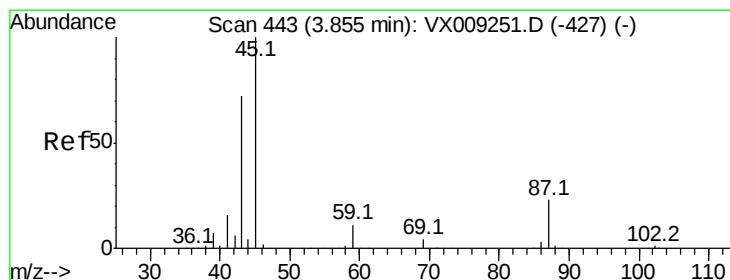
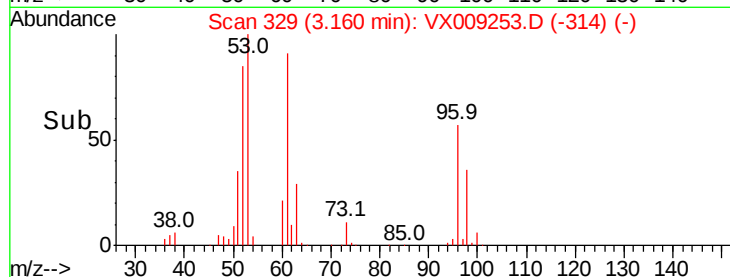
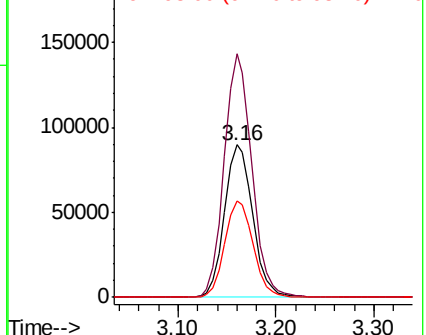


Abundance

Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



#20

Diisopropyl ether

Concen: 102.462 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX009253.D

Acq: 01 May 2019 12:17

Tgt Ion: 45 Resp: 788691

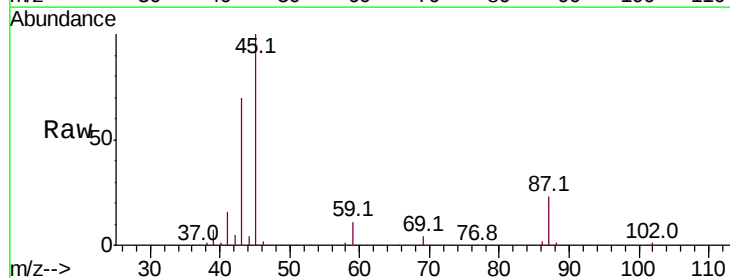
Ion Ratio Lower Upper

45 100

43 69.5 57.7 86.5

87 22.5 18.5 27.7

59 10.8 8.8 13.2



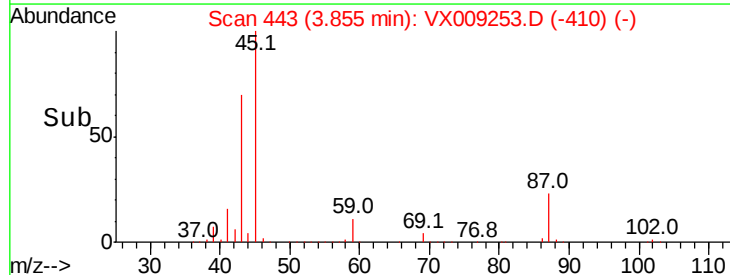
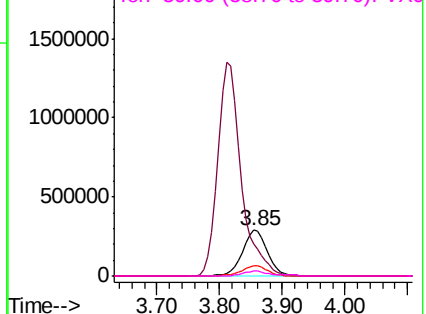
Abundance

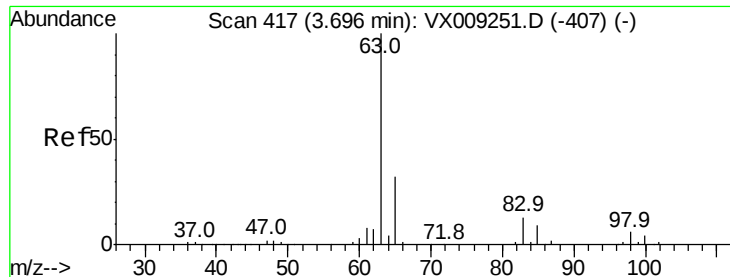
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#21

1,1-Dichloroethane

Concen: 103.819 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX009253.D

Acq: 01 May 2019 12:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

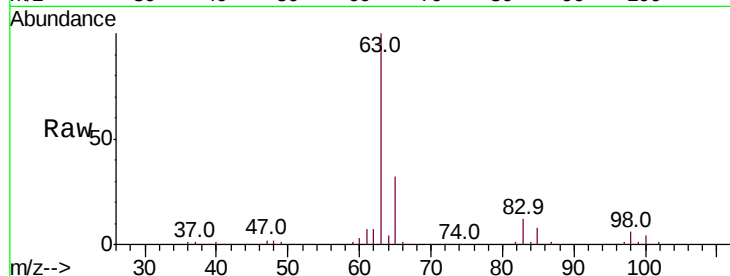
Tot Ion: 63 Resp: 382416

Ion Ratio Lower Upper

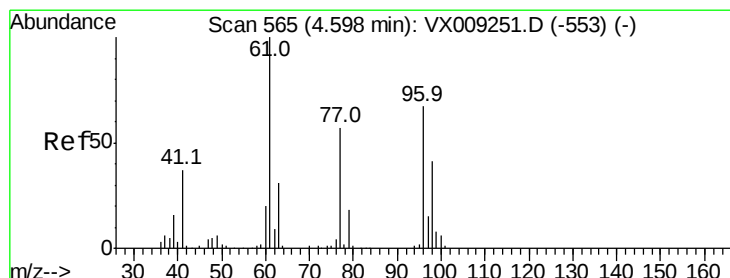
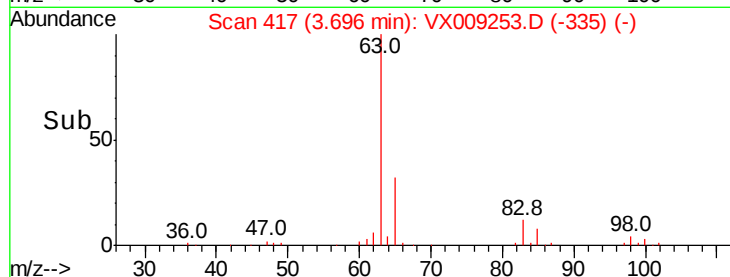
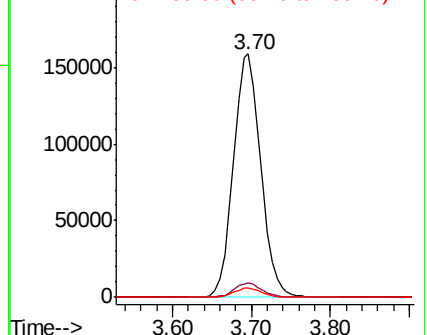
63 100

98 6.2 3.1 9.3

100 3.9 2.2 6.6



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



#22

cis-1,2-Dichloroethene

Concen: 103.225 ug/l

RT: 4.59 min Scan# 564

Delta R.T. -0.01 min

Lab File: VX009253.D

Acq: 01 May 2019 12:17

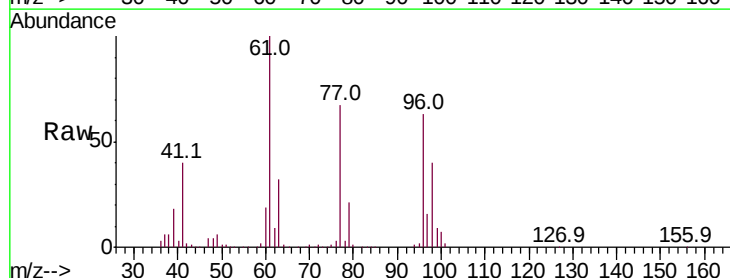
Tgt Ion: 96 Resp: 215305

Ion Ratio Lower Upper

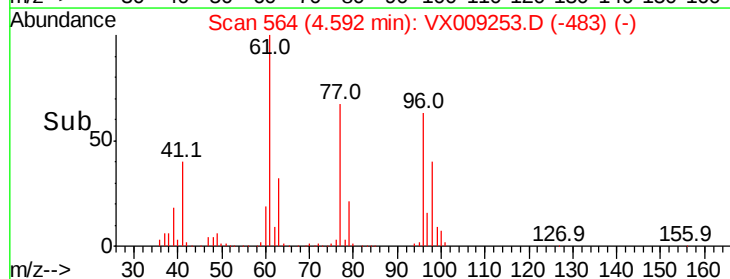
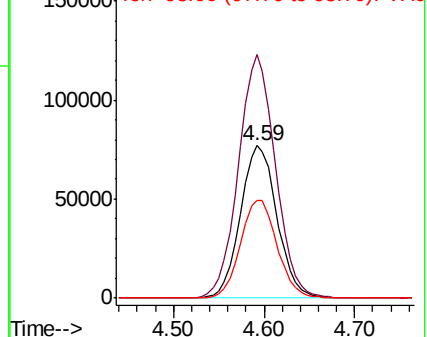
96 100

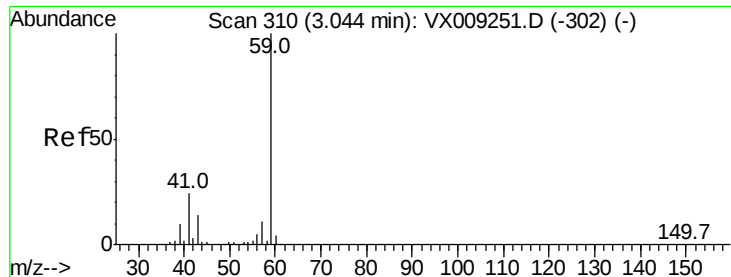
61 161.7 127.7 191.5

98 64.8 50.5 75.7



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



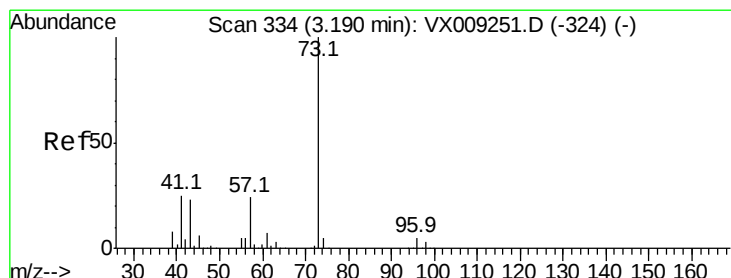
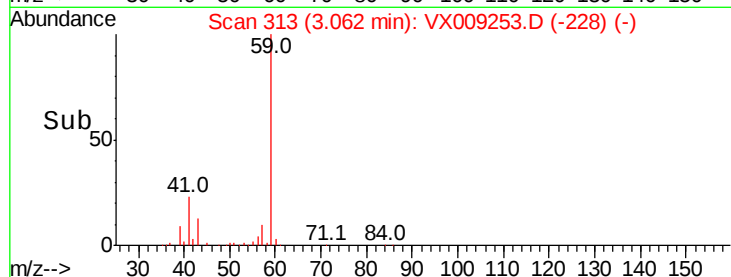
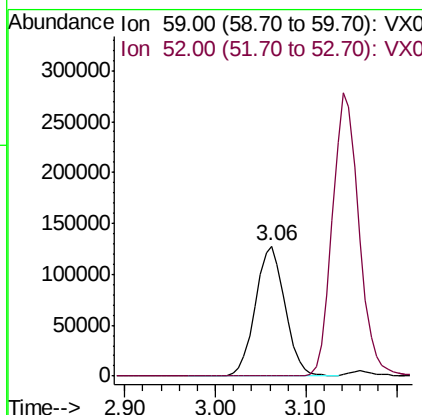
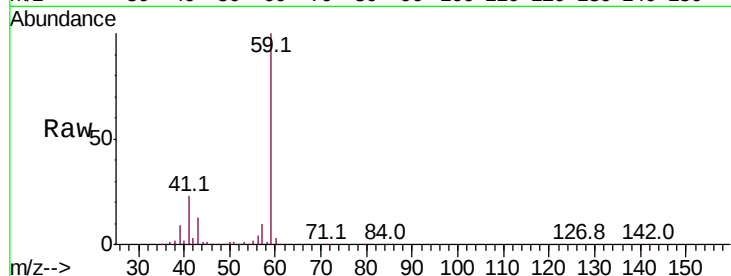


#23

tert-Butyl Alcohol
Concen: 536.774 ug/l
RT: 3.06 min Scan# 313
Delta R.T. 0.02 min
Lab File: VX009253.D
Acq: 01 May 2019 12:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

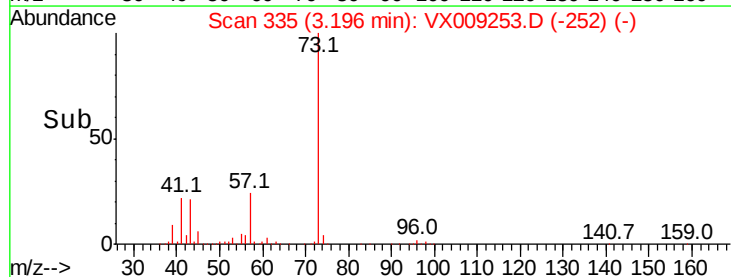
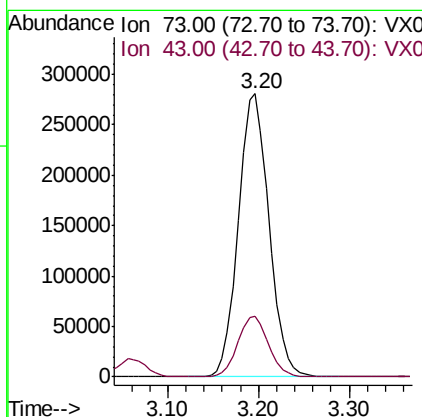
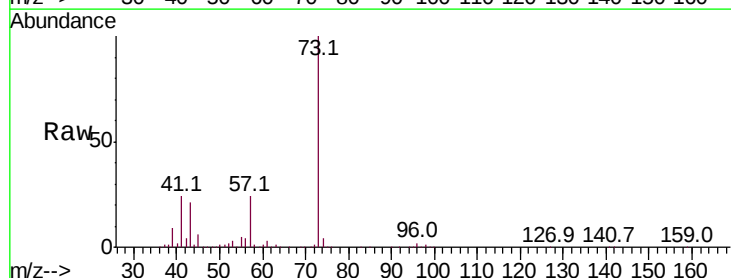
Tot Ion: 59 Resp: 289699
Ion Ratio Lower Upper
59 100
52 0.3 0.2 0.2#

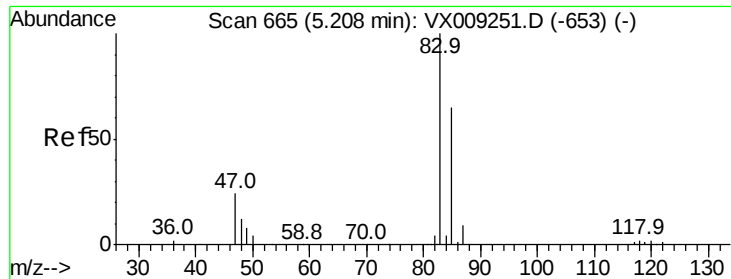


#24

Methyl tert-Butyl Ether
Concen: 105.108 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.01 min
Lab File: VX009253.D
Acq: 01 May 2019 12:17

Tgt Ion: 73 Resp: 657536
Ion Ratio Lower Upper
73 100
43 21.4 17.6 26.4

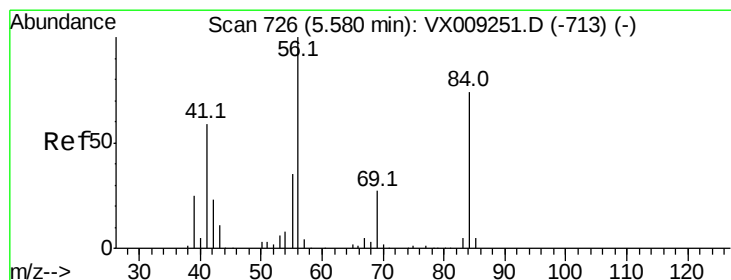
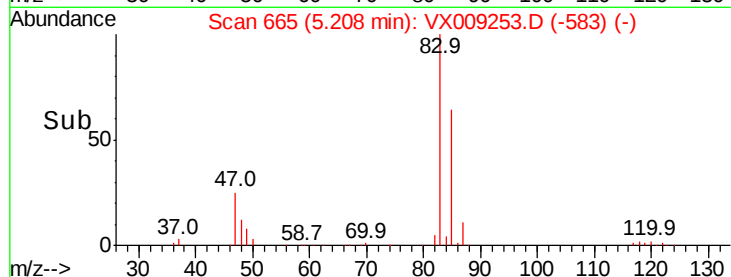
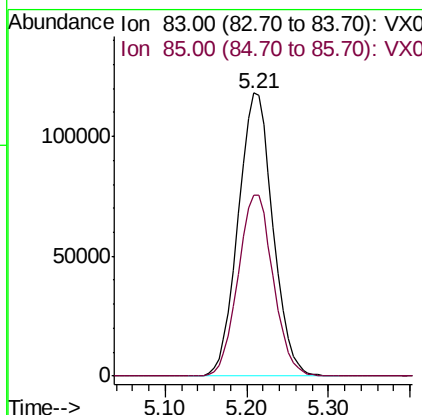
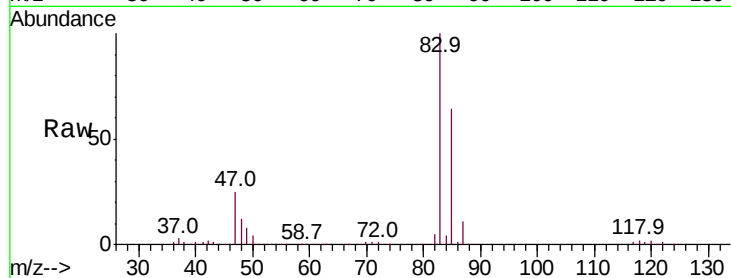




#25
Chloroform
Concen: 102.635 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX009253.D
Acq: 01 May 2019 12:17

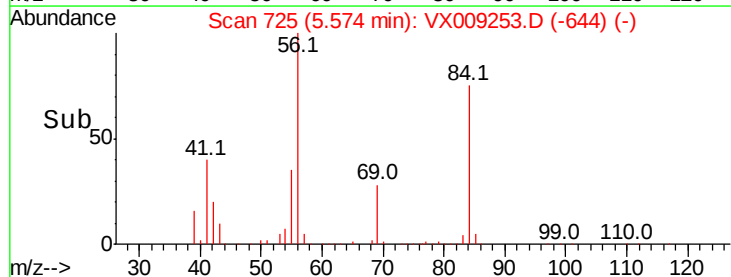
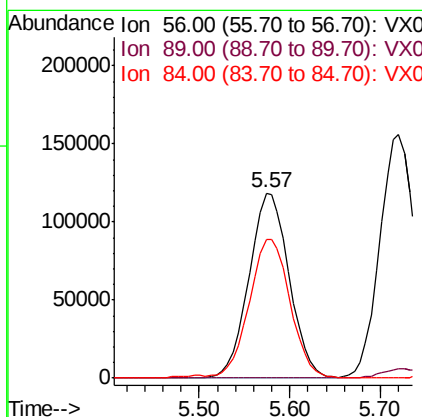
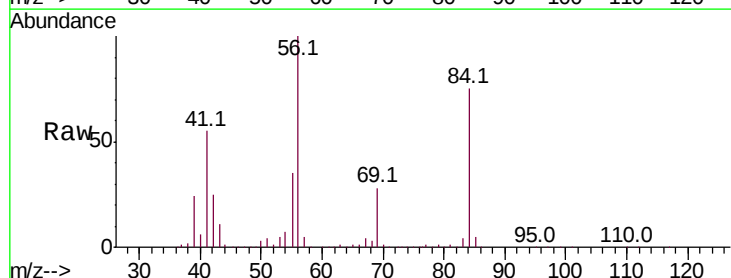
Instrument :
MSVOA_X
ClientSampled :
VSTDICC100

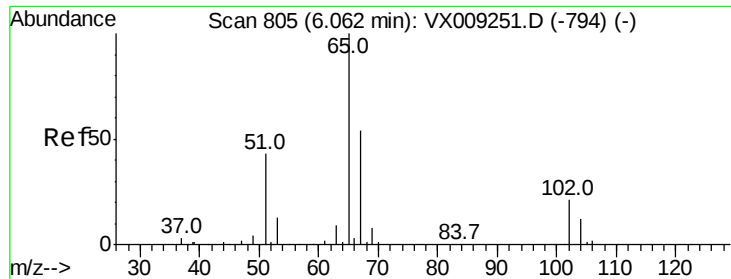
Tot Ion: 83 Resp: 349421
Ion Ratio Lower Upper
83 100
85 63.8 51.9 77.9



#26
Cyclohexane
Concen: 103.403 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.01 min
Lab File: VX009253.D
Acq: 01 May 2019 12:17

Tgt Ion: 56 Resp: 362915
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 76.5 59.7 89.5





#27

1,2-Dichloroethane-d4

Concen: 30.676 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009253.D

Acq: 01 May 2019 12:17

Instrument :

MSVOA_X

ClientSampleId :

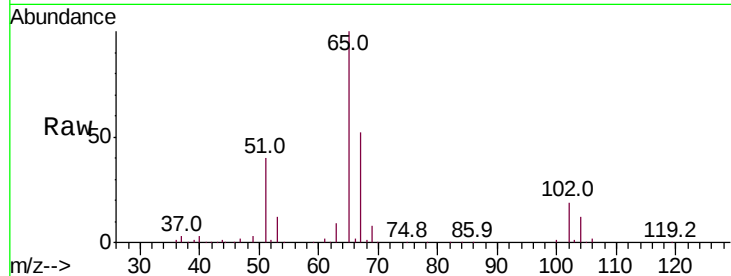
VSTDIC100

Tot Ion: 65 Resp: 76646

Ion Ratio Lower Upper

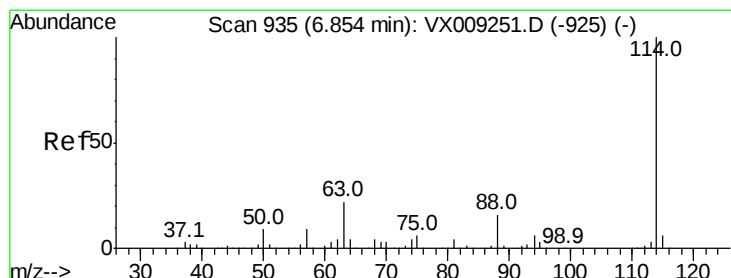
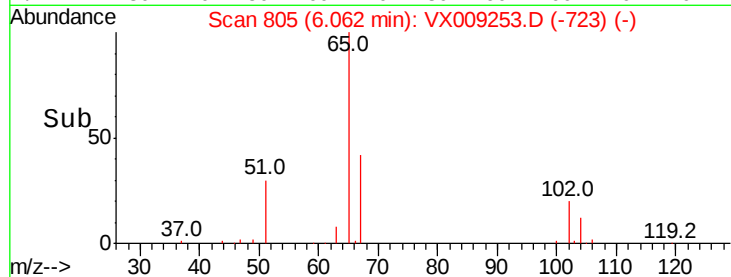
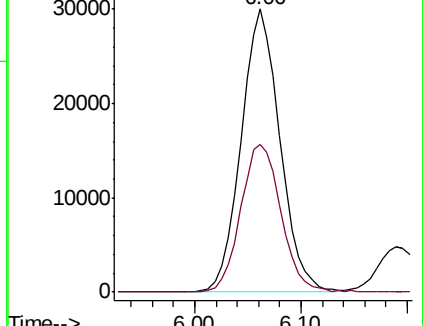
65 100

67 54.3 43.1 64.7



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.01 min

Lab File: VX009253.D

Acq: 01 May 2019 12:17

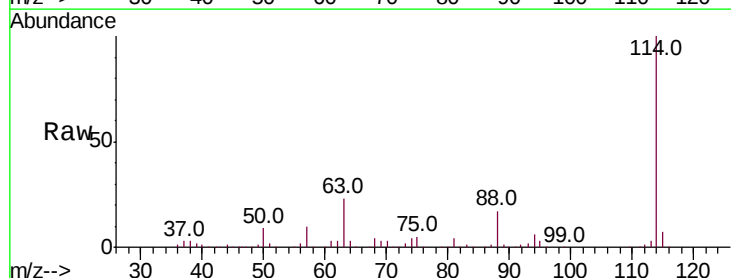
Tgt Ion: 114 Resp: 182637

Ion Ratio Lower Upper

114 100

63 23.0 18.0 27.0

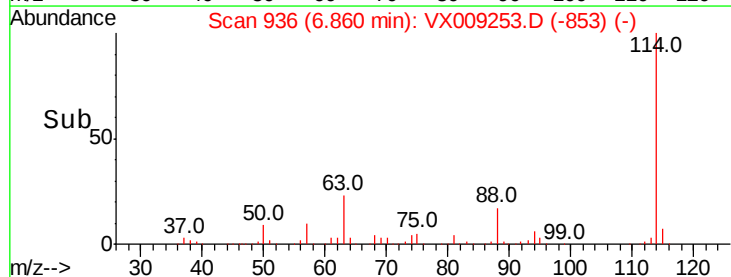
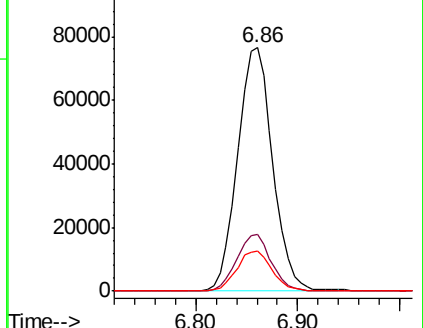
88 16.7 13.4 20.0

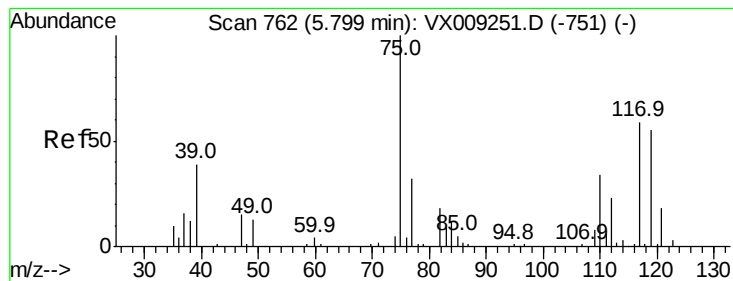


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0





#29

1,1-Dichloropropene

Concen: 102.197 ug/l

RT: 5.80 min Scan# 762

Delta R.T. 0.00 min

Lab File: VX009253.D

Acq: 01 May 2019 12:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

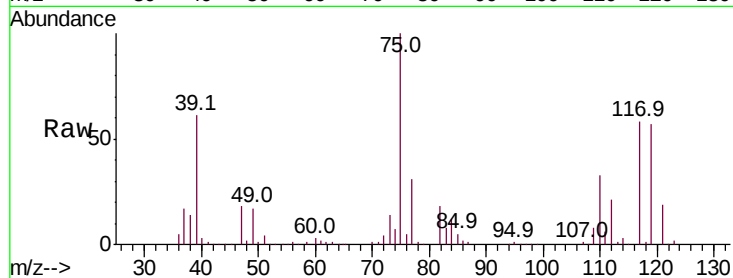
Tot Ion: 75 Resp: 271096

Ion Ratio Lower Upper

75 100

110 33.3 0.0 66.4

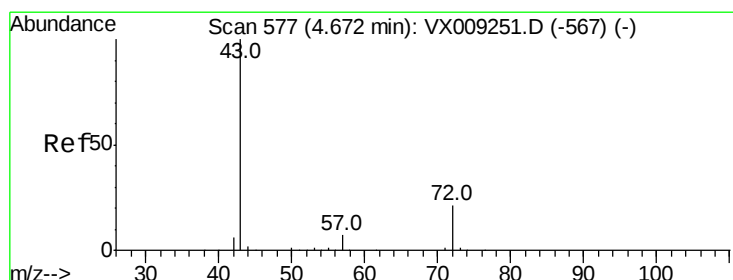
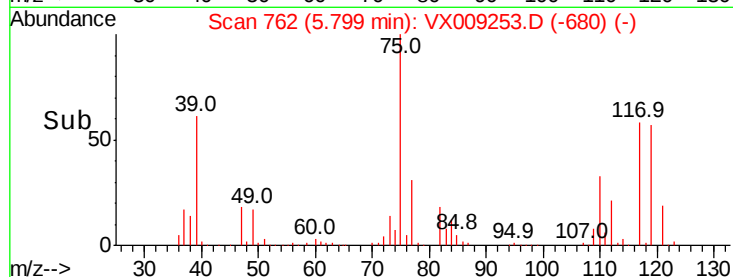
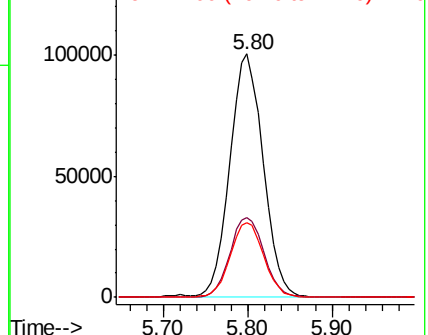
77 30.6 0.0 62.2



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 110.00 (109.70 to 110.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#30

2-Butanone

Concen: 501.300 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX009253.D

Acq: 01 May 2019 12:17

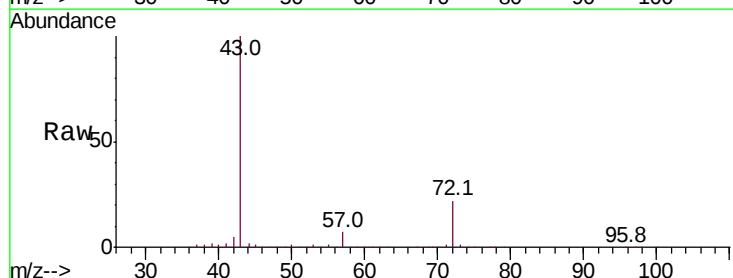
Tgt Ion: 43 Resp: 1040825

Ion Ratio Lower Upper

43 100

57 7.6 6.0 9.0

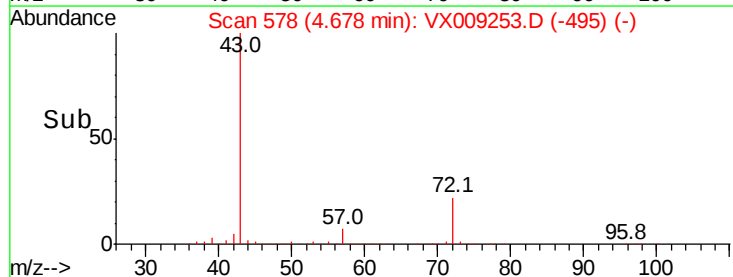
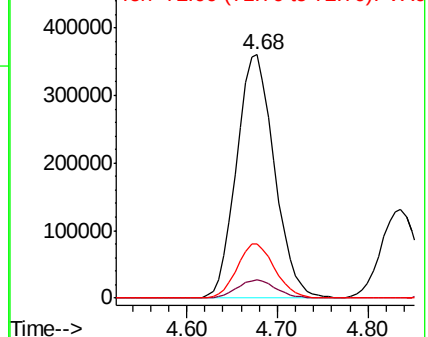
72 22.3 18.2 27.4

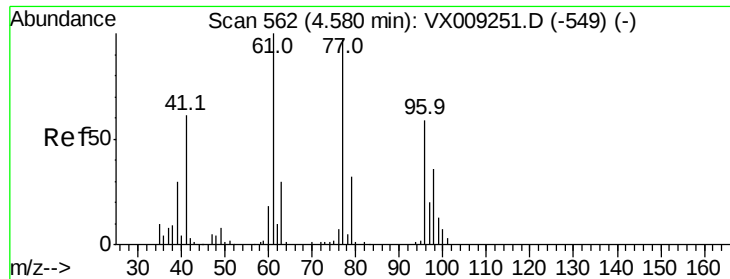


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#31

2,2-Dichloropropane

Concen: 102.853 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX009253.D

Acq: 01 May 2019 12:17

Instrument :

MSVOA_X

ClientSampleId :

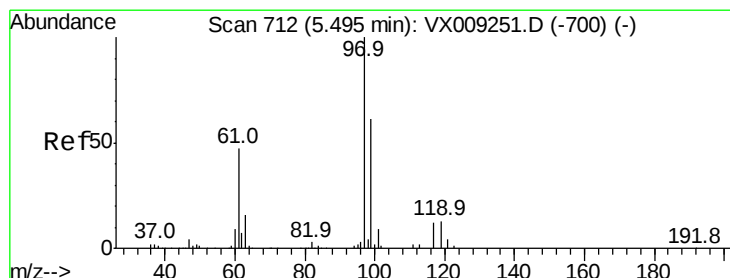
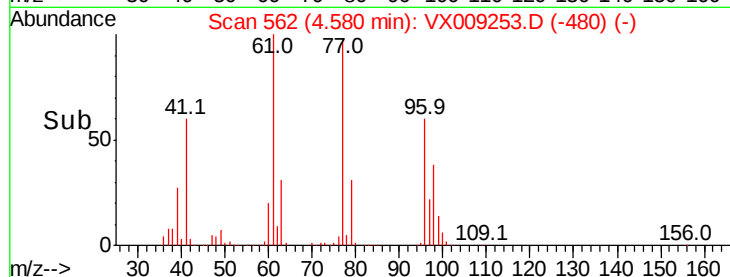
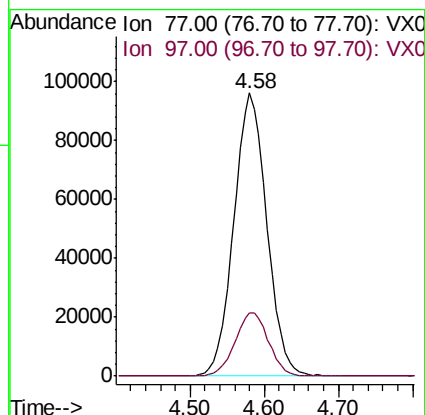
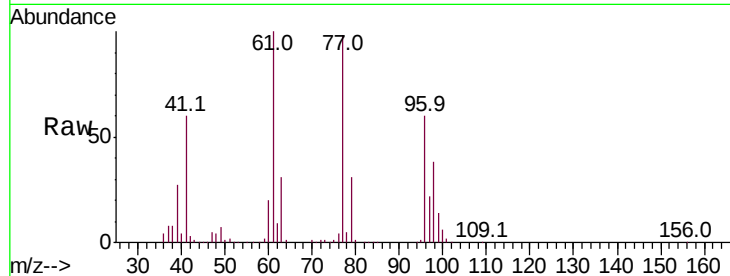
VSTDIC100

Tot Ion: 77 Resp: 297804

Ion Ratio Lower Upper

77 100

97 22.9 18.3 27.5



#32

1,1,1-Trichloroethane

Concen: 105.749 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX009253.D

Acq: 01 May 2019 12:17

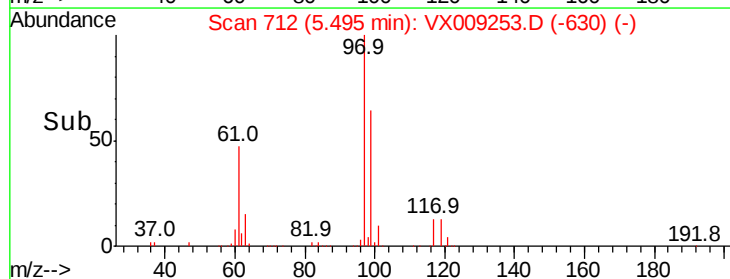
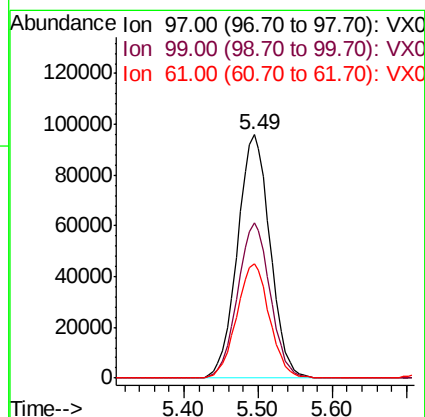
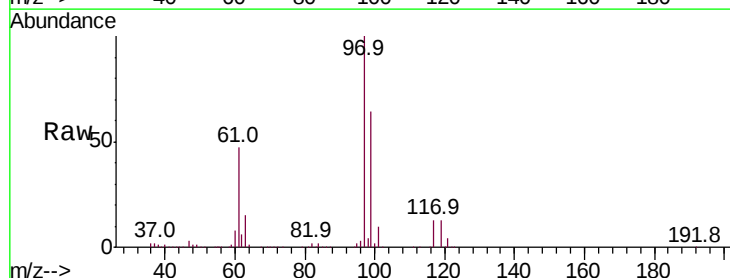
Tgt Ion: 97 Resp: 294646

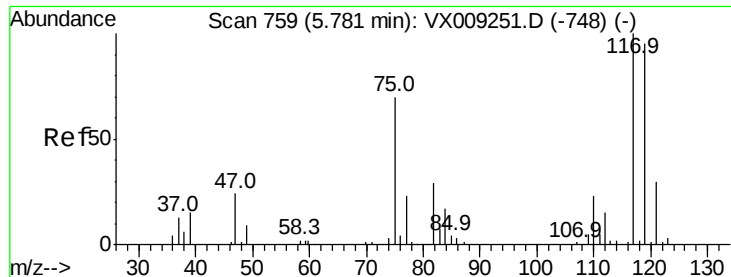
Ion Ratio Lower Upper

97 100

99 63.9 53.9 80.9

61 47.1 38.6 58.0

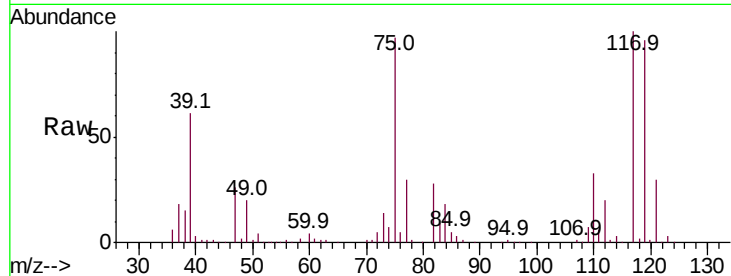




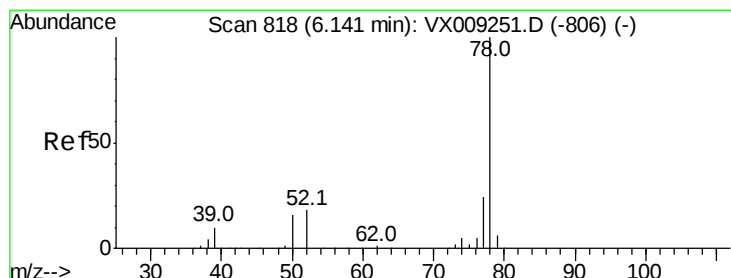
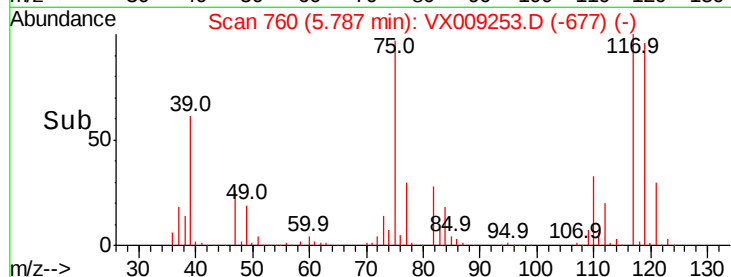
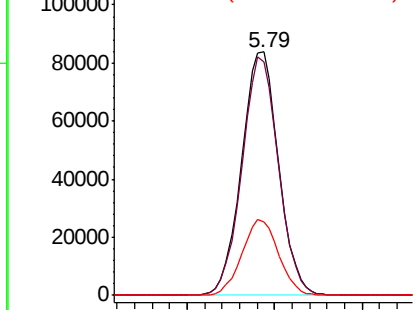
#33
Carbon Tetrachloride
Concen: 104.016 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX009253.D
Acq: 01 May 2019 12:17

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

Tot Ion:117 Resp: 246382
Ion Ratio Lower Upper
117 100
119 95.9 76.1 114.1
121 30.0 24.4 36.6

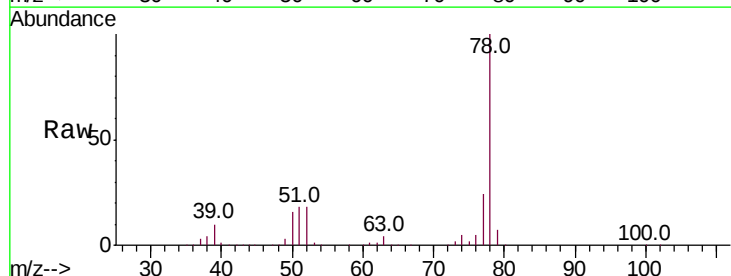


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

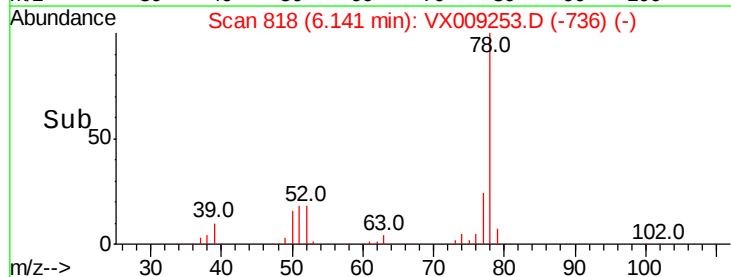
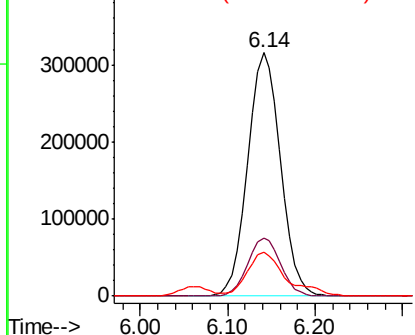


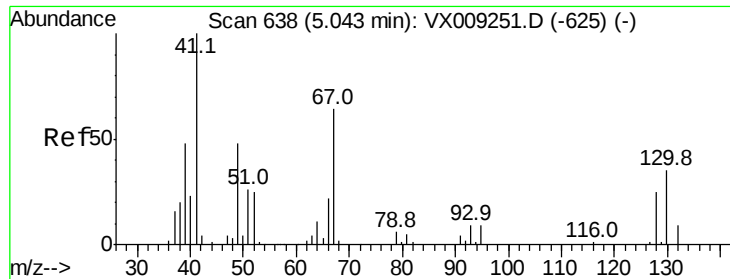
#34
Benzene
Concen: 100.053 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX009253.D
Acq: 01 May 2019 12:17

Tgt Ion: 78 Resp: 822901
Ion Ratio Lower Upper
78 100
77 23.7 18.8 28.2
51 17.4 13.5 20.3



Abundance Ion 78.10 (77.80 to 78.80): VX0
Ion 77.00 (76.70 to 77.70): VX0
Ion 51.00 (50.70 to 51.70): VX0

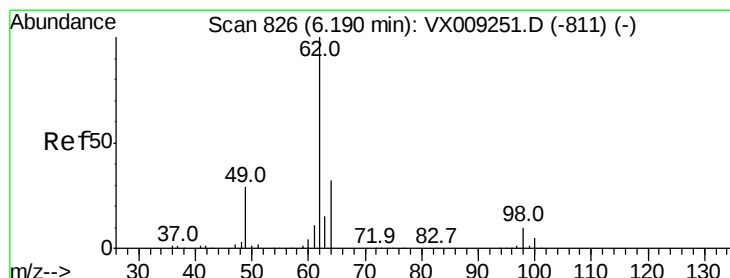
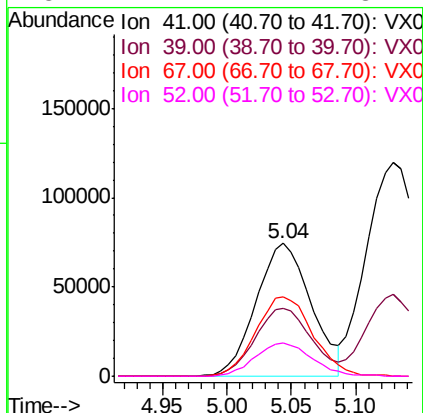
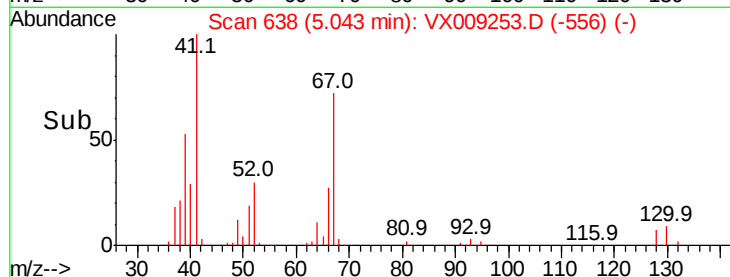
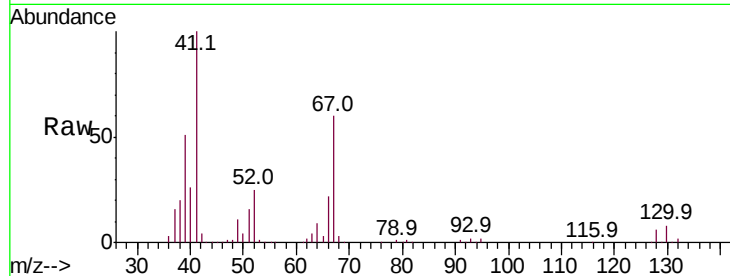




#35
Methacrylonitrile
Concen: 101.559 ug/l
RT: 5.04 min Scan# 638
Delta R.T. 0.00 min
Lab File: VX009253.D
Acq: 01 May 2019 12:17

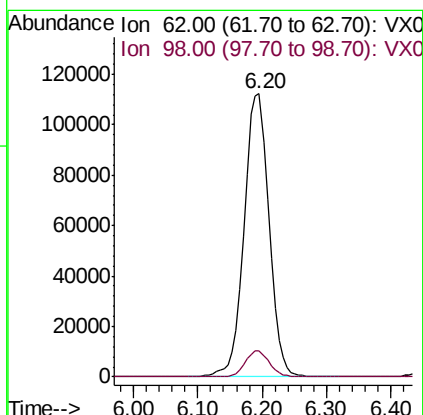
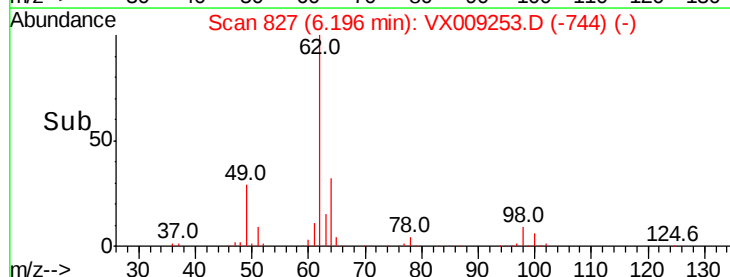
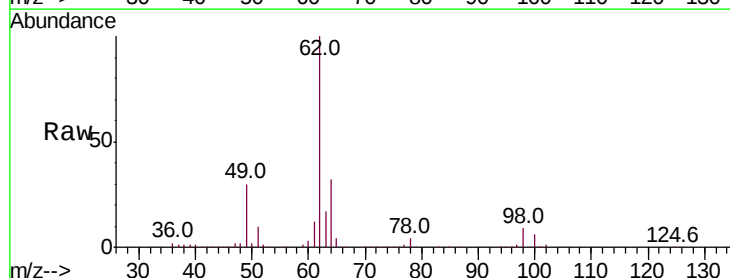
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

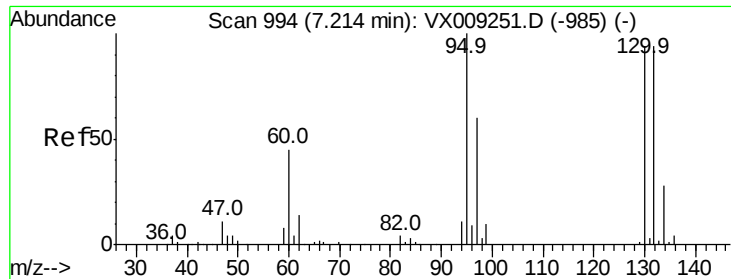
Tot Ion: 41 Resp: 220994
Ion Ratio Lower Upper
41 100
39 50.9 24.1 72.3
67 59.9 32.2 96.6
52 24.7 12.4 37.4



#36
1,2-Dichloroethane
Concen: 100.374 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.01 min
Lab File: VX009253.D
Acq: 01 May 2019 12:17

Tgt Ion: 62 Resp: 297396
Ion Ratio Lower Upper
62 100
98 8.9 7.4 11.2





#37

Trichloroethene

Concen: 103.373 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX009253.D

Acq: 01 May 2019 12:17

Instrument :

MSVOA_X

ClientSampleId :

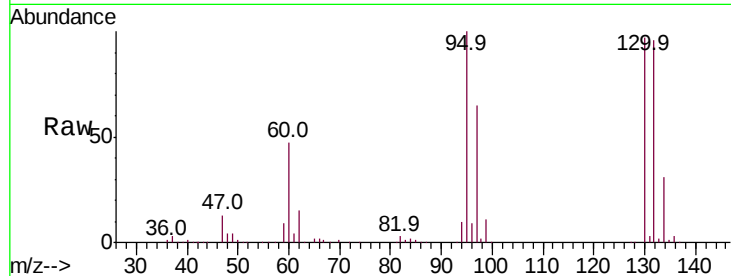
VSTDIC100

Tot Ion:130 Resp: 199157

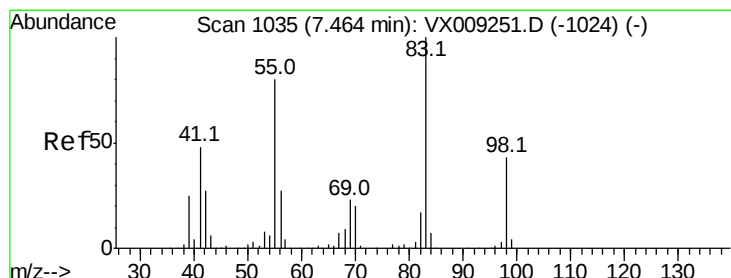
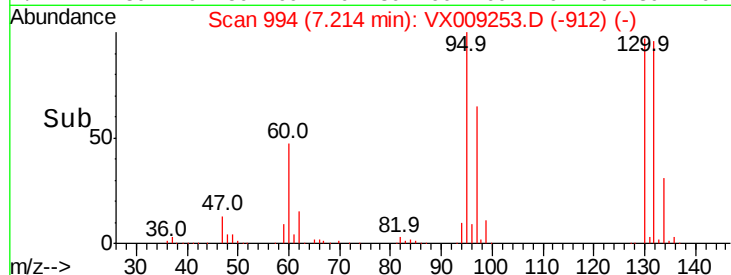
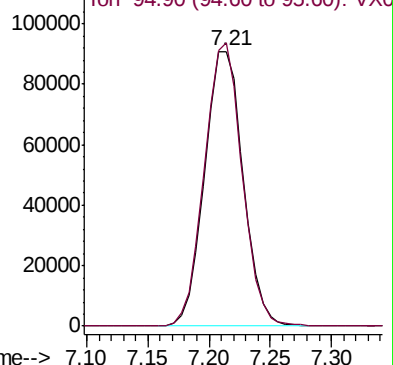
Ion Ratio Lower Upper

130 100

95 103.0 85.0 127.4



Abundance Ion 129.90 (129.60 to 130.60): VX009253.D (-912) (-)



#38

Methylcyclohexane

Concen: 103.532 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. 0.00 min

Lab File: VX009253.D

Acq: 01 May 2019 12:17

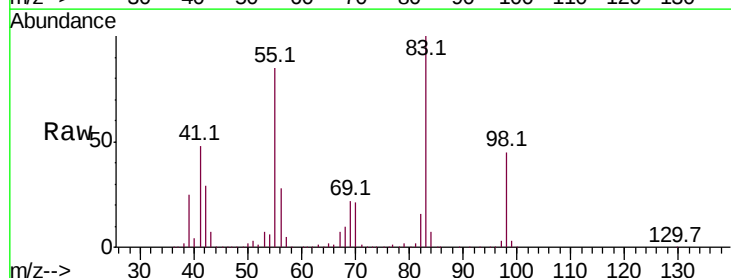
Tgt Ion: 83 Resp: 335717

Ion Ratio Lower Upper

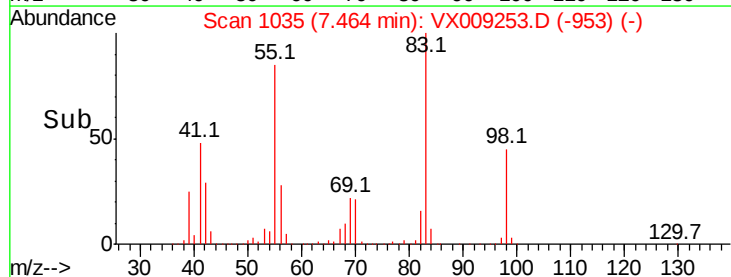
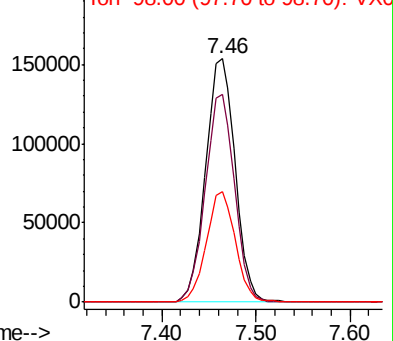
83 100

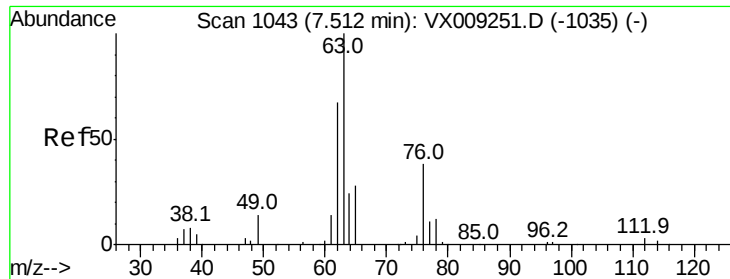
55 84.5 43.0 129.2

98 44.7 22.1 66.1



Abundance Ion 83.00 (82.70 to 83.70): VX009253.D (-953) (-)

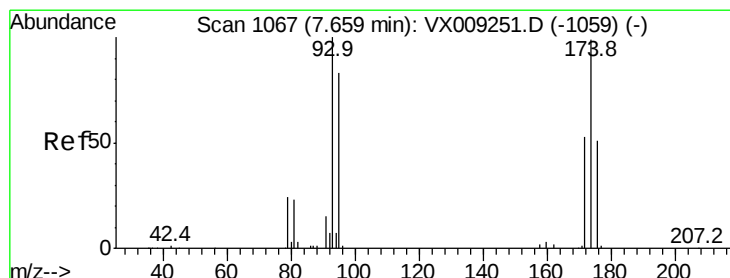
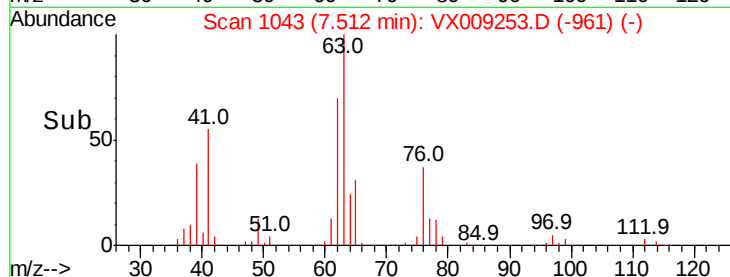
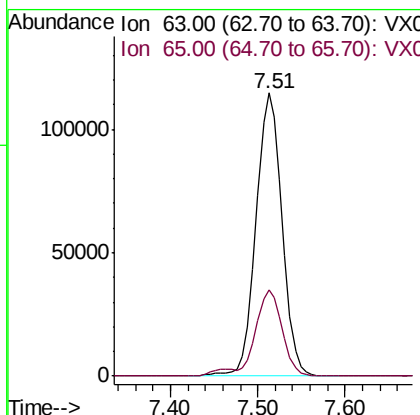
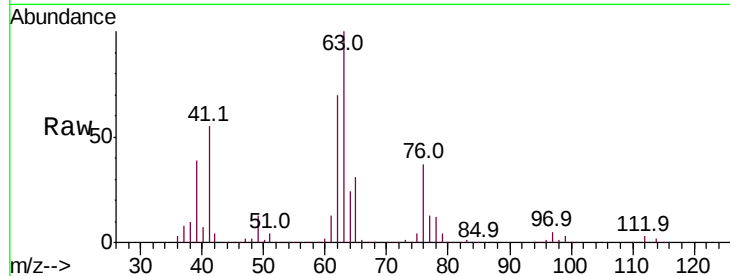




#39
 1,2-Dichloropropane
 Concen: 102.413 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX009253.D
 Acq: 01 May 2019 12:17

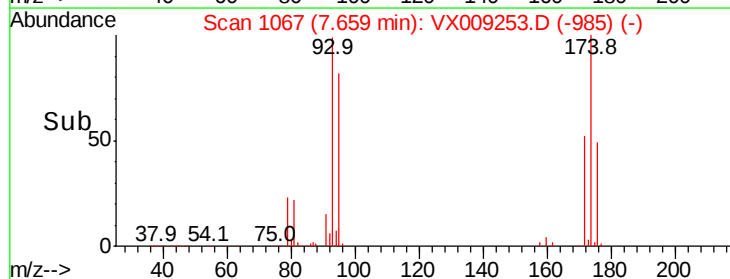
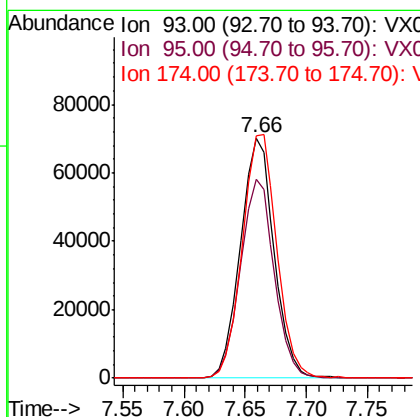
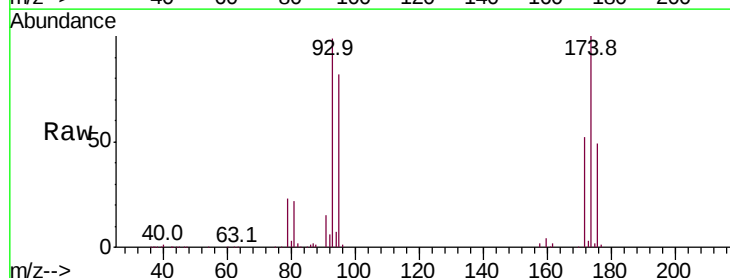
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

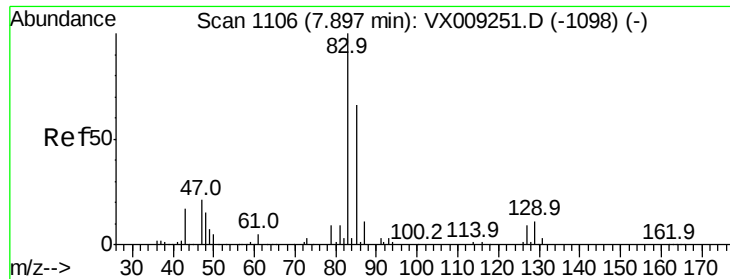
Tot Ion: 63 Resp: 236478
 Ion Ratio Lower Upper
 63 100
 65 30.5 24.0 36.0



#40
 Dibromomethane
 Concen: 101.820 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX009253.D
 Acq: 01 May 2019 12:17

Tgt Ion: 93 Resp: 133916
 Ion Ratio Lower Upper
 93 100
 95 83.2 0.0 167.2
 174 104.1 0.0 203.4





#41

Bromodichloromethane

Concen: 106.236 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX009253.D

Acq: 01 May 2019 12:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

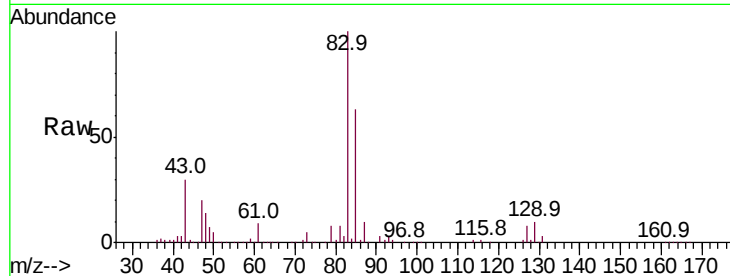
Tot Ion: 83 Resp: 279792

Ion Ratio Lower Upper

83 100

85 63.3 52.6 79.0

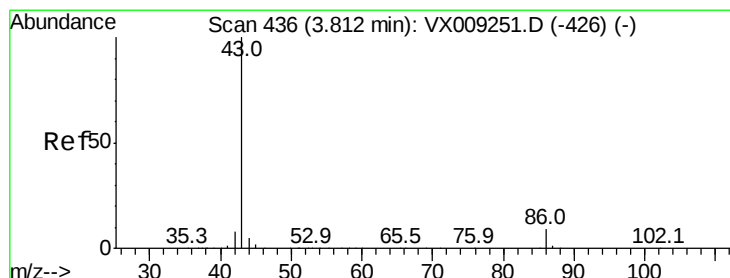
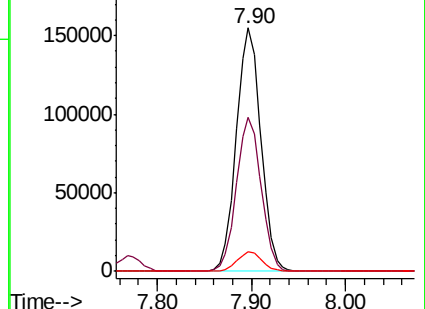
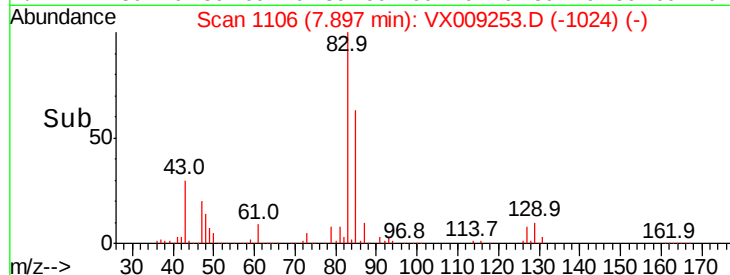
127 8.0 6.9 10.3



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0

Ion 127.00 (126.70 to 127.70): V



#42

Vinyl Acetate

Concen: 509.313 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX009253.D

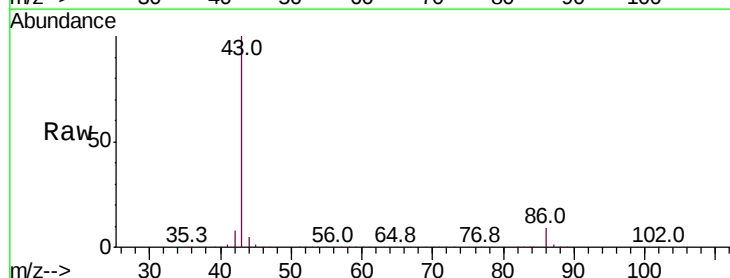
Acq: 01 May 2019 12:17

Tgt Ion: 43 Resp: 3504956

Ion Ratio Lower Upper

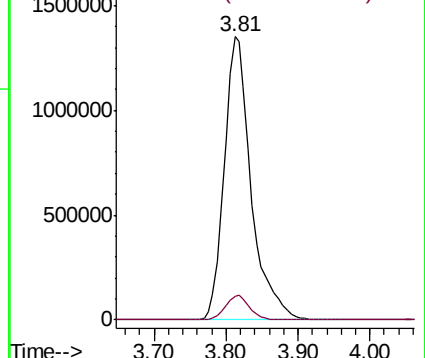
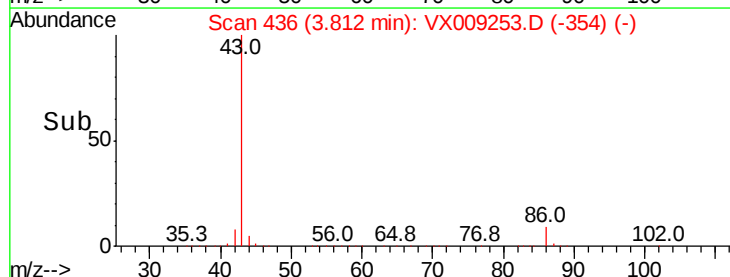
43 100

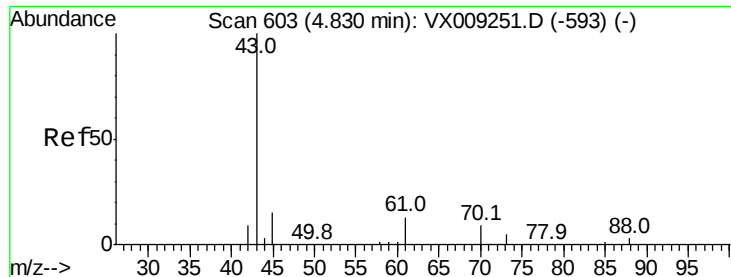
86 7.7 6.0 9.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0





#43

Ethyl Acetate

Concen: 99.750 ug/l

RT: 4.84 min Scan# 604

Delta R.T. 0.01 min

Lab File: VX009253.D

Acq: 01 May 2019 12:17

Instrument :

MSVOA_X

ClientSampleId :

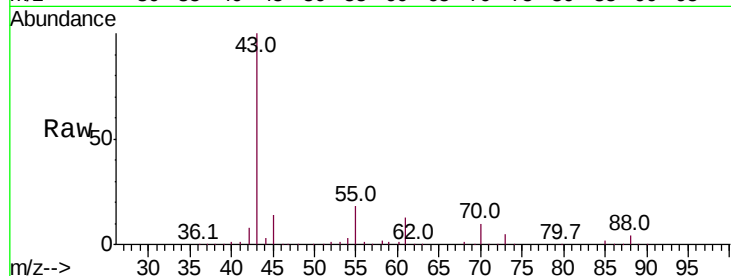
VSTDIC100

Tot Ion: 43 Resp: 383161

Ion Ratio Lower Upper

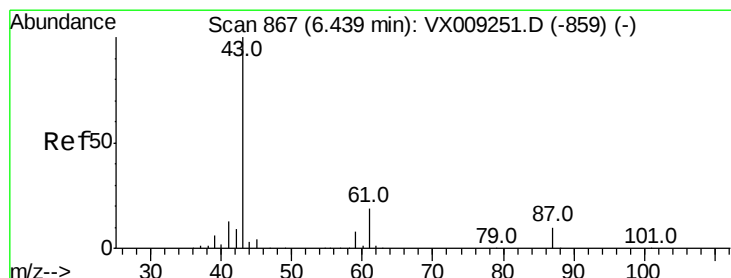
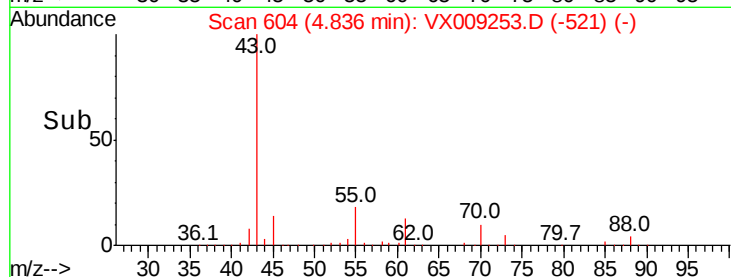
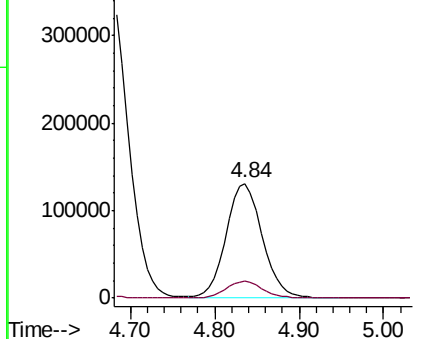
43 100

45 14.9 11.8 17.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#44

Isopropyl Acetate

Concen: 105.472 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.01 min

Lab File: VX009253.D

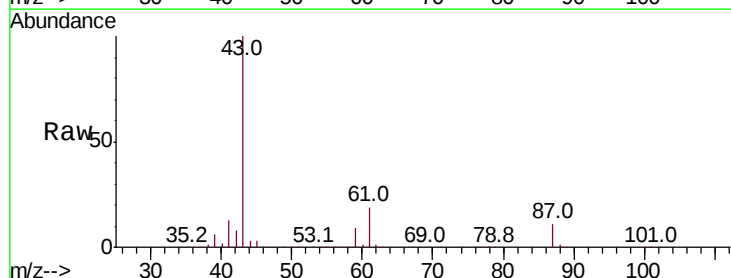
Acq: 01 May 2019 12:17

Tgt Ion: 43 Resp: 623362

Ion Ratio Lower Upper

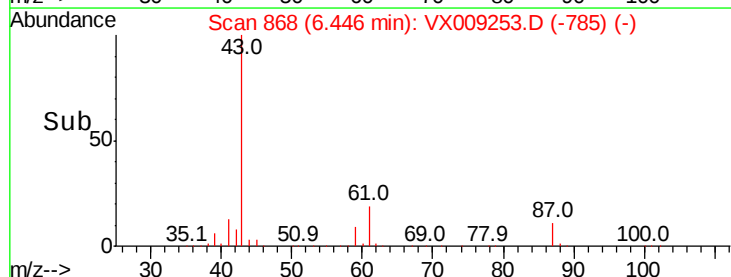
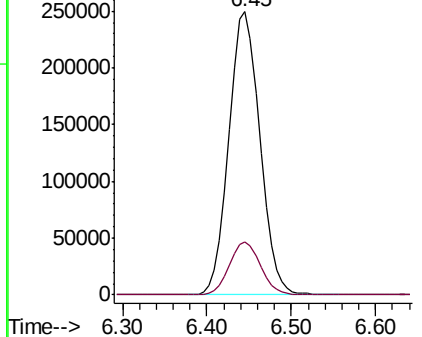
43 100

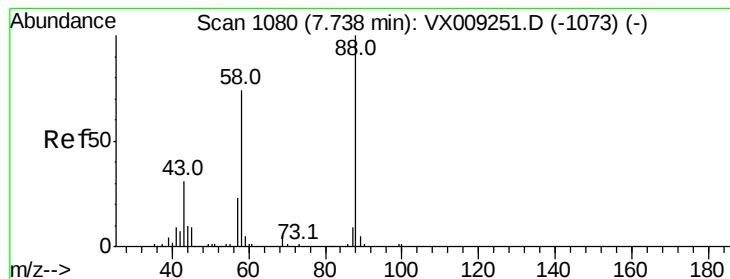
61 18.8 15.4 23.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#45

1,4-Dioxane

Concen: 2033.189 ug/l

RT: 7.74 min Scan# 1081

Delta R.T. 0.01 min

Lab File: VX009253.D

Acq: 01 May 2019 12:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

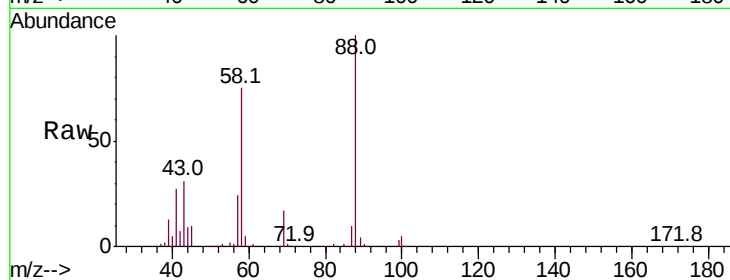
Tot Ion: 88 Resp: 119461

Ion Ratio Lower Upper

88 100

43 35.8 28.5 42.7

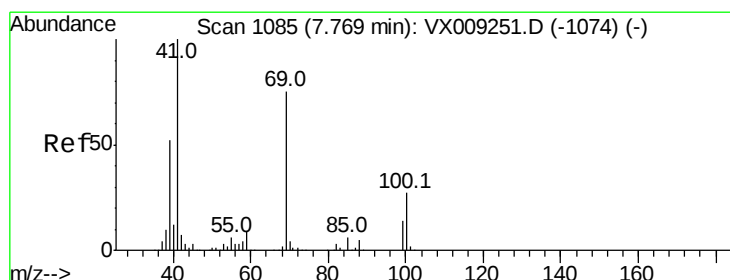
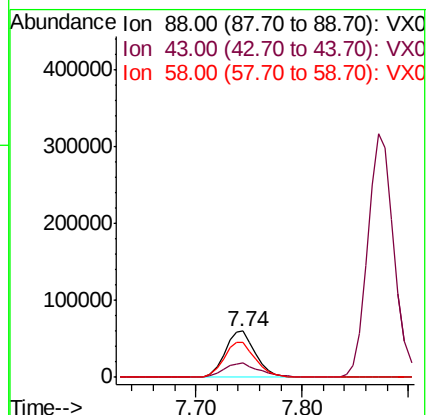
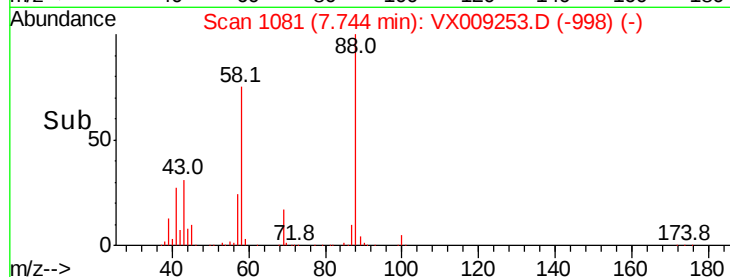
58 78.5 62.5 93.7



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#46

Methyl methacrylate

Concen: 103.946 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VX009253.D

Acq: 01 May 2019 12:17

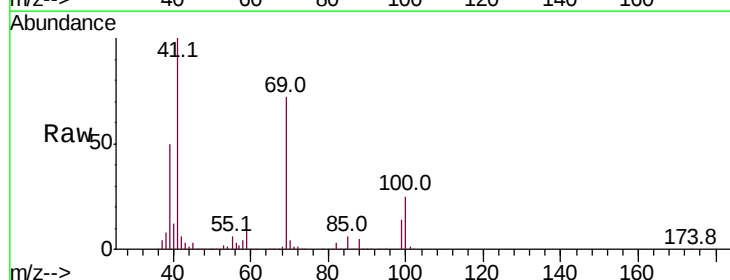
Tgt Ion: 41 Resp: 310562

Ion Ratio Lower Upper

41 100

69 72.3 37.6 112.8

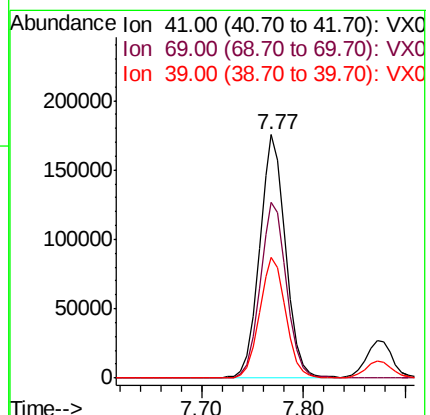
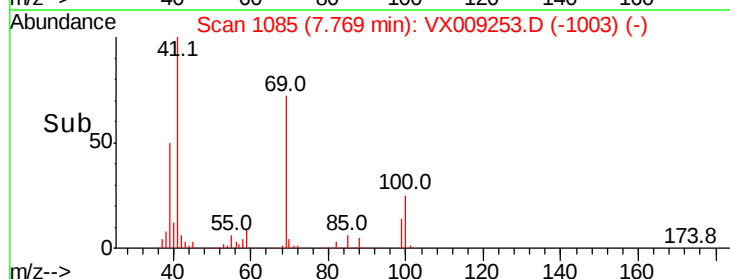
39 49.8 25.8 77.3

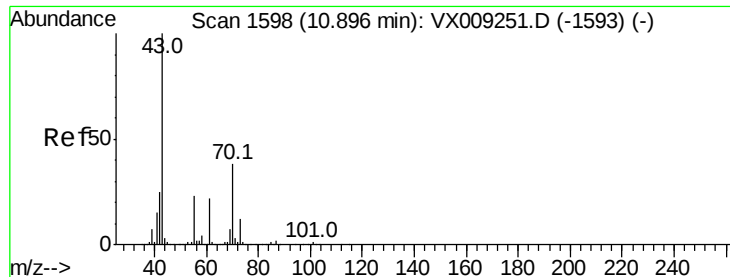


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#47

n-amvl Acetate

Concen: 108.882 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX009253.D

Acq: 01 May 2019 12:17

Instrument :

MSVOA_X

ClientSampleId :

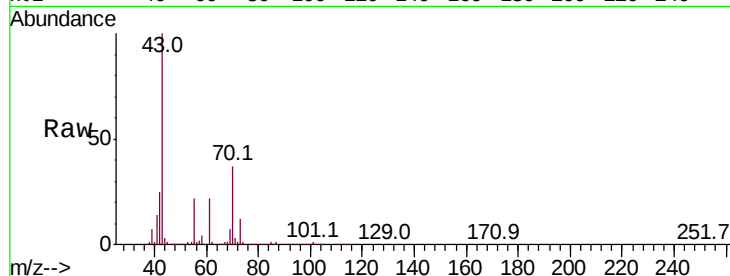
VSTDIC100

Tot Ion: 43 Resp: 574607

Ion Ratio Lower Upper

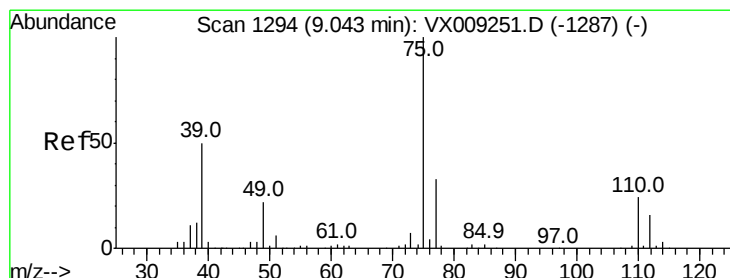
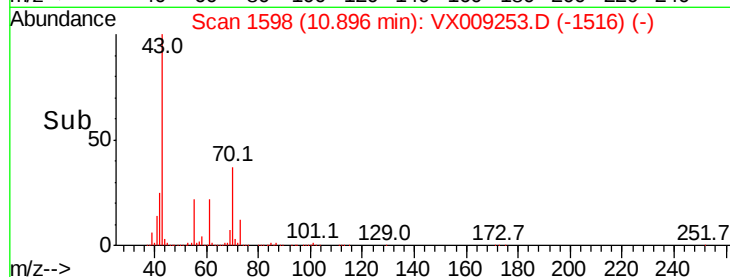
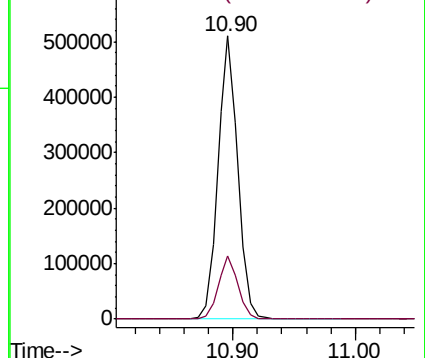
43 100

55 22.1 18.2 27.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#48

t-1,3-Dichloropropene

Concen: 111.024 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX009253.D

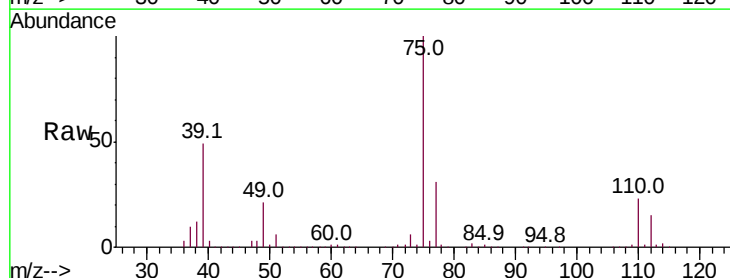
Acq: 01 May 2019 12:17

Tgt Ion: 75 Resp: 334368

Ion Ratio Lower Upper

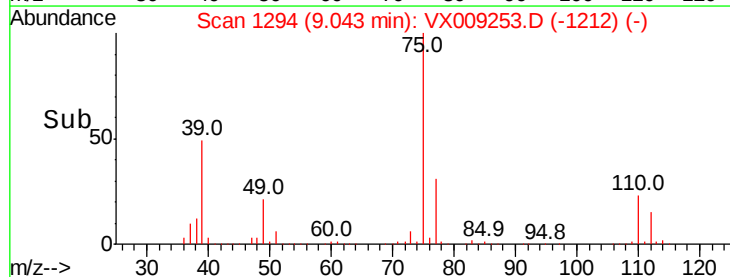
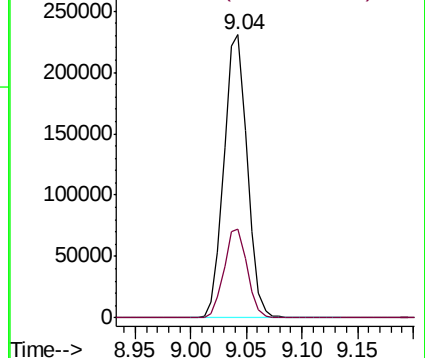
75 100

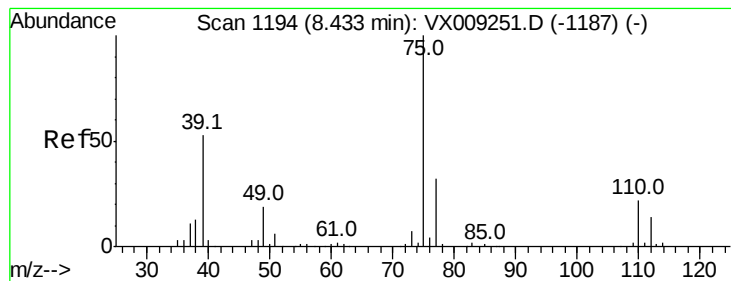
77 31.3 26.5 39.7



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



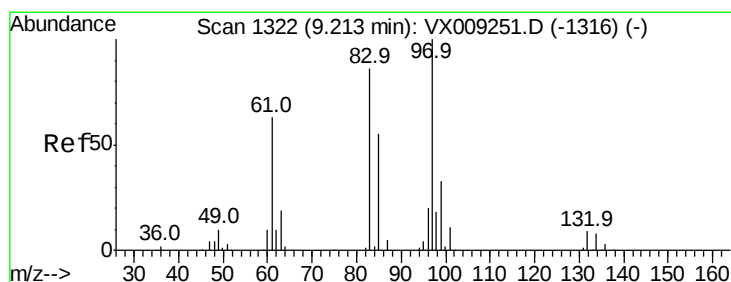
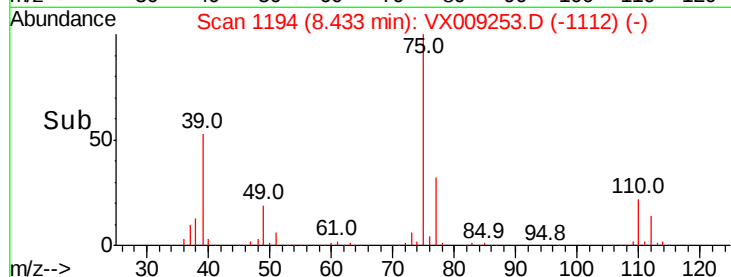
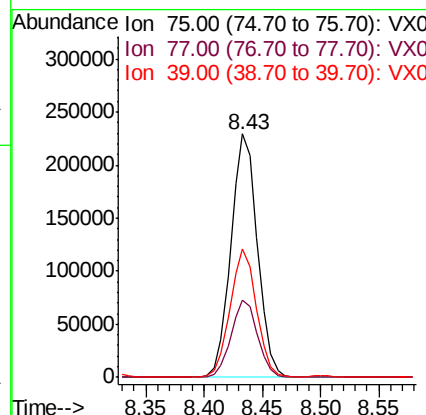
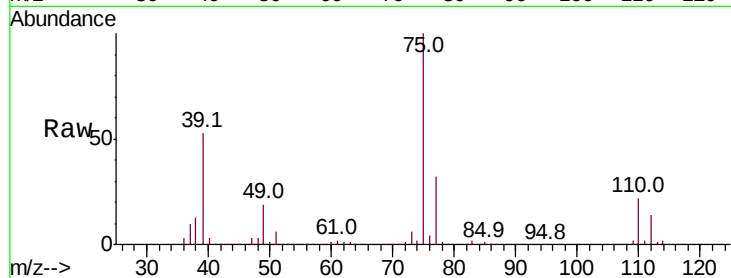


#49

cis-1,3-Dichloropropene
 Concen: 107.664 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX009253.D
 Acq: 01 May 2019 12:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

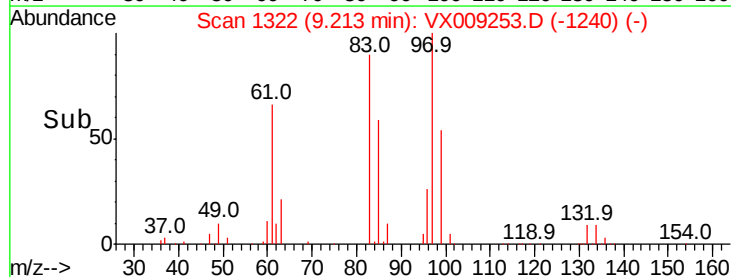
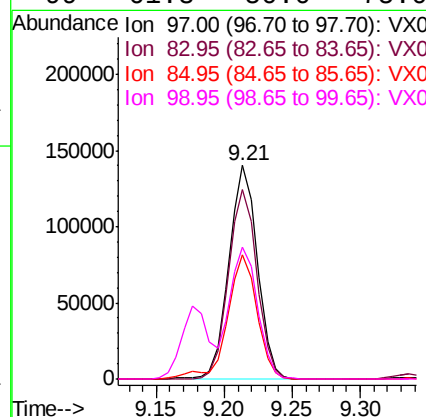
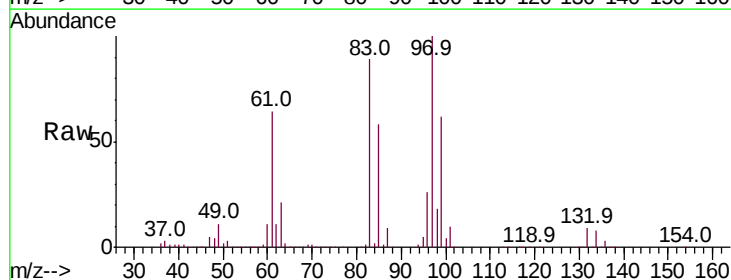
Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	26.0	39.0
39	52.6	42.6	63.8

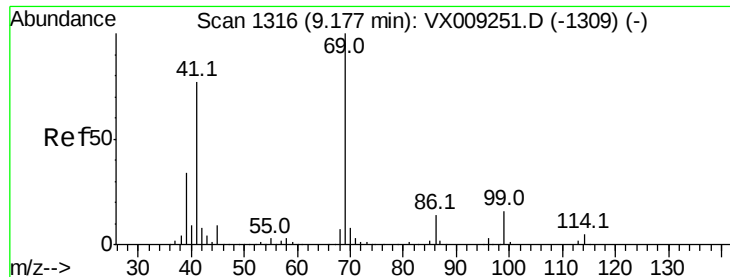


#50

1,1,2-Trichloroethane
 Concen: 100.637 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX009253.D
 Acq: 01 May 2019 12:17

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.5	68.8	103.2
85	57.9	45.8	68.6
99	61.8	50.0	75.0





#51

Ethyl methacrylate

Concen: 104.741 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX009253.D

Acq: 01 May 2019 12:17

Instrument :

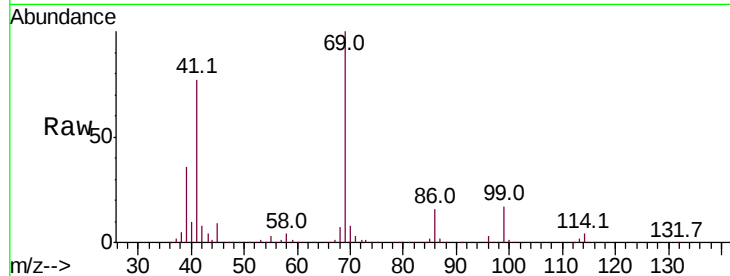
MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 69 Resp: 384071

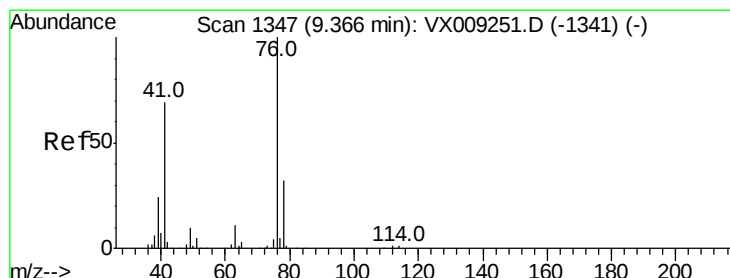
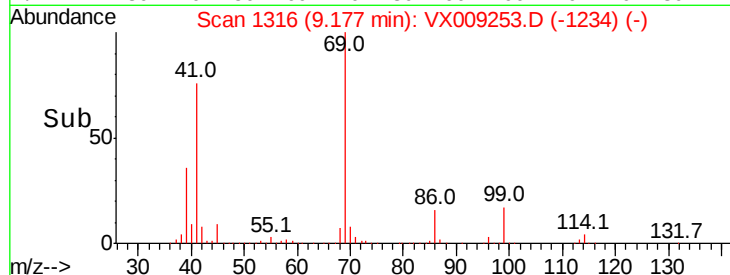
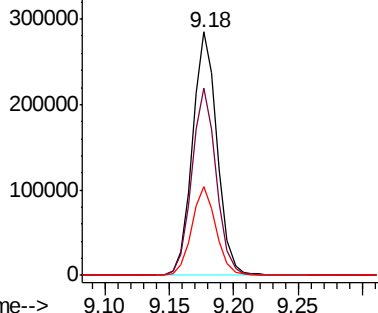
Ion	Ratio	Lower	Upper
69	100		
41	76.9	38.4	115.2
39	36.3	17.2	51.5



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#52

1,3-Dichloropropane

Concen: 100.949 ug/l

RT: 9.37 min Scan# 1348

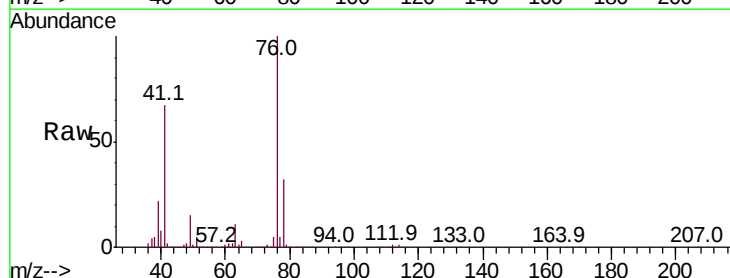
Delta R.T. 0.01 min

Lab File: VX009253.D

Acq: 01 May 2019 12:17

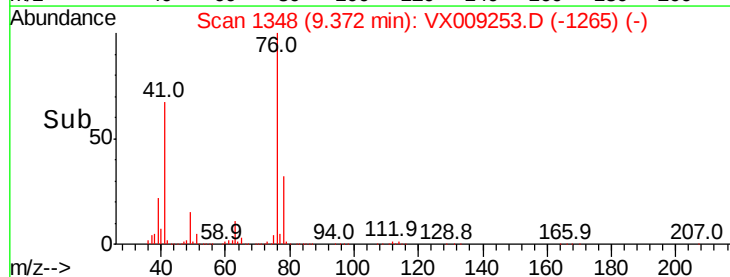
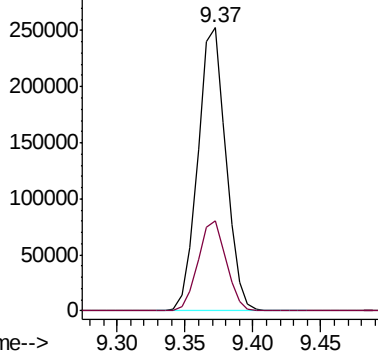
Tgt Ion: 76 Resp: 362070

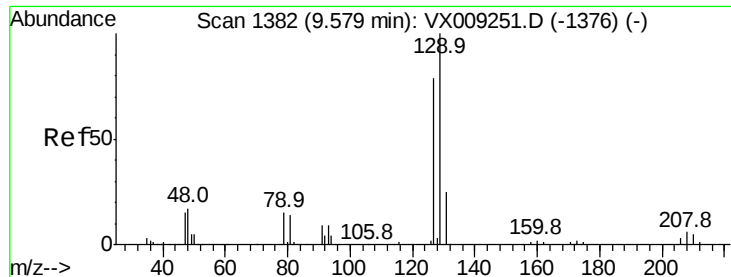
Ion	Ratio	Lower	Upper
76	100		
78	31.8	0.0	64.2



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





#53

Dibromochloromethane

Concen: 109.175 ug/l

RT: 9.59 min Scan# 1383

Delta R.T. 0.01 min

Lab File: VX009253.D

Acq: 01 May 2019 12:17

Instrument :

MSVOA_X

ClientSampleId :

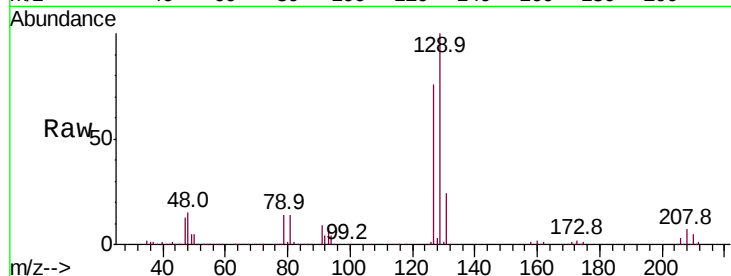
VSTDIC100

Tot Ion:129 Resp: 211939

Ion Ratio Lower Upper

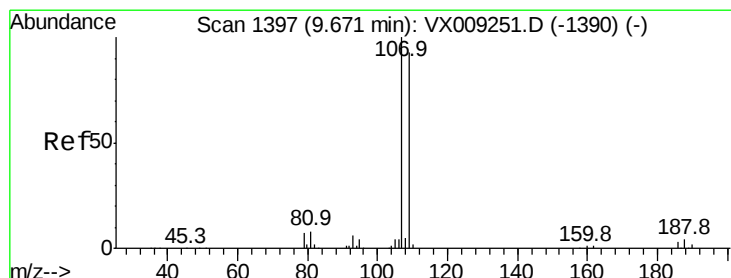
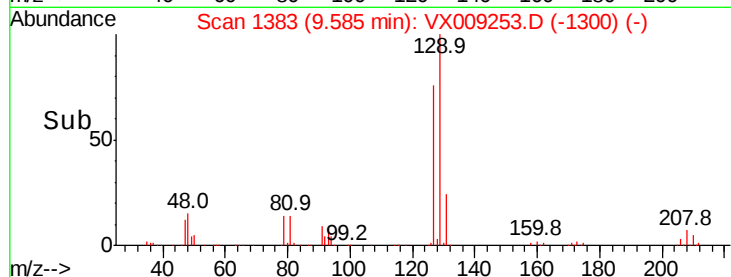
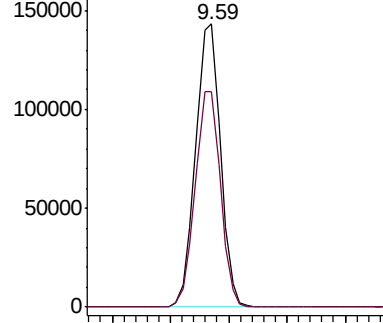
129 100

127 77.3 39.1 117.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 102.697 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX009253.D

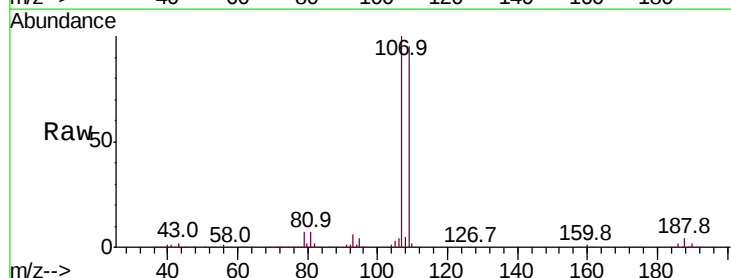
Acq: 01 May 2019 12:17

Tgt Ion:107 Resp: 210666

Ion Ratio Lower Upper

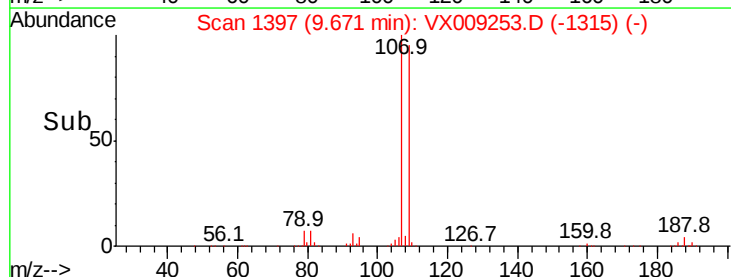
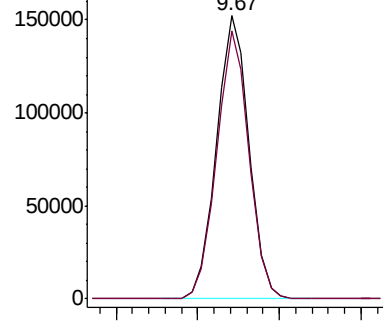
107 100

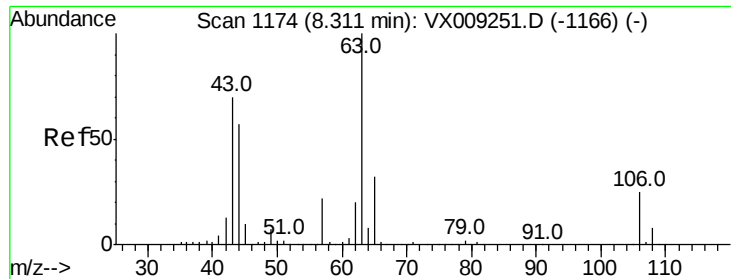
109 93.9 75.5 113.3



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

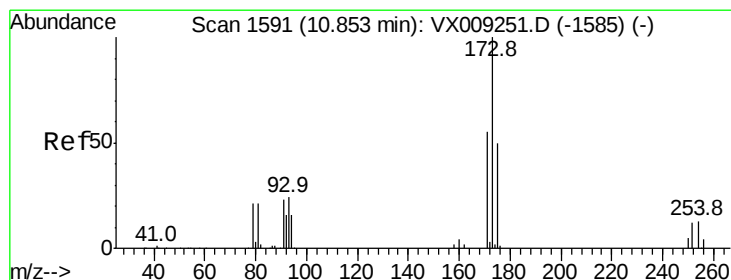
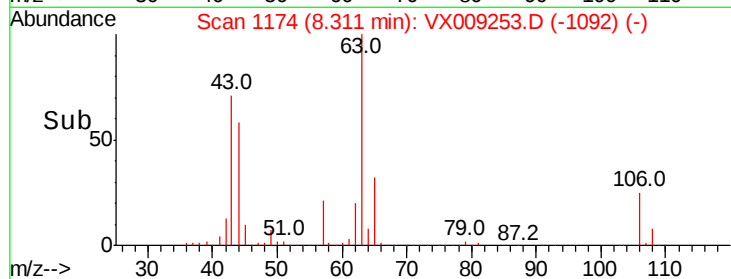
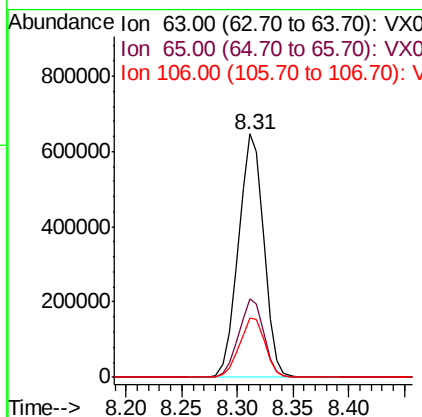
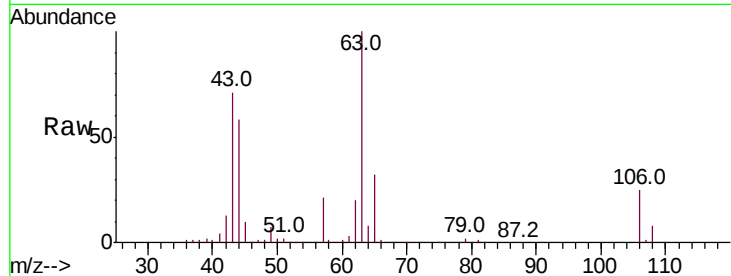




#55
2-Chloroethyl vinyl ether
Concen: 492.054 ug/l
RT: 8.31 min Scan# 1174
Delta R.T. 0.00 min
Lab File: VX009253.D
Acq: 01 May 2019 12:17

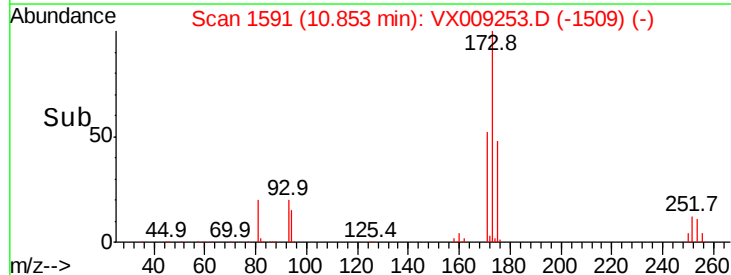
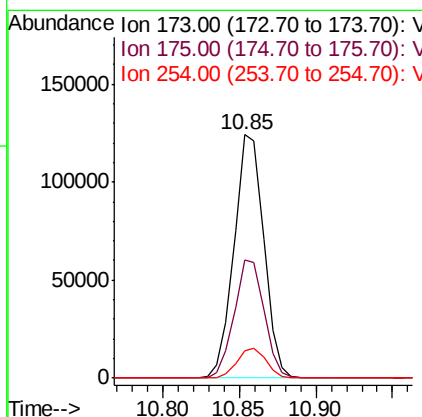
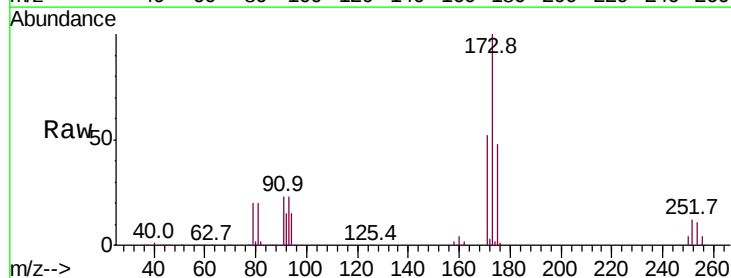
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

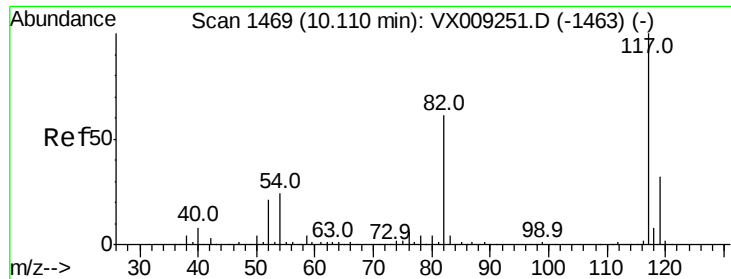
Tot Ion: 63 Resp: 1016433
Ion Ratio Lower Upper
63 100
65 32.0 25.8 38.6
106 24.8 19.8 29.6



#56
Bromoform
Concen: 116.415 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX009253.D
Acq: 01 May 2019 12:17

Tgt Ion: 173 Resp: 167947
Ion Ratio Lower Upper
173 100
175 48.7 39.4 59.2
254 12.2 9.9 14.9

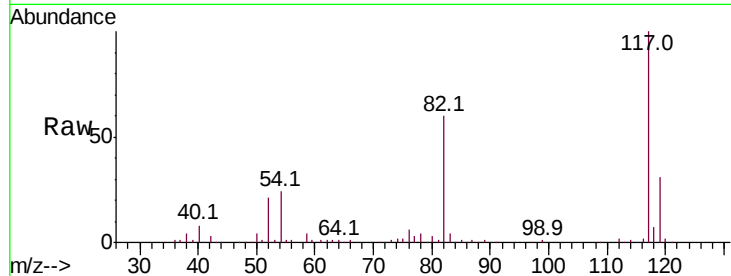




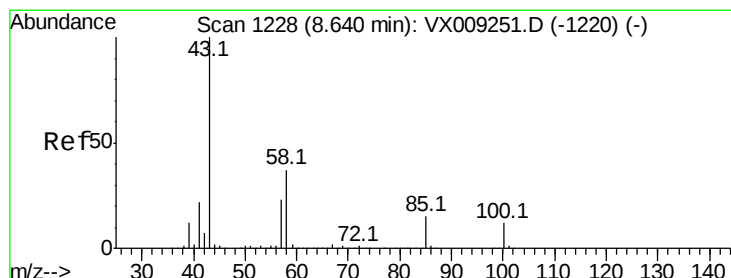
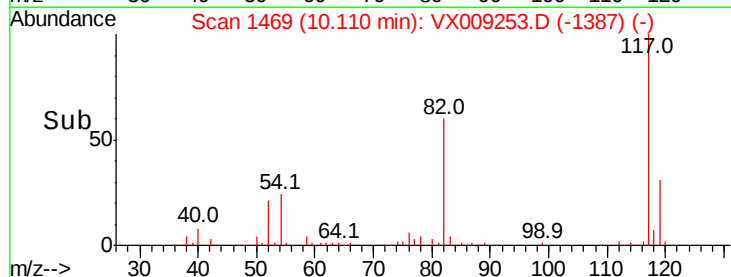
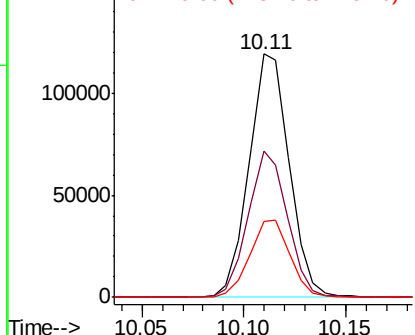
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009253.D
Acq: 01 May 2019 12:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion:117 Resp: 163562
Ion Ratio Lower Upper
117 100
82 59.0 47.8 71.8
119 31.9 25.6 38.4

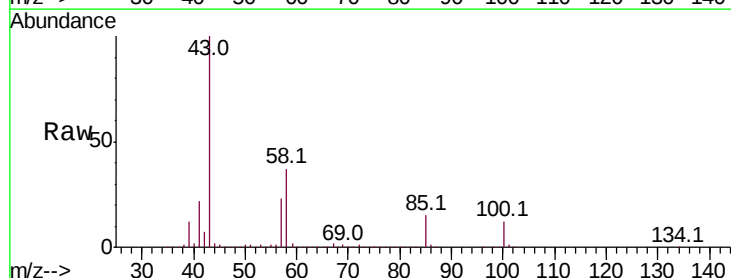


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 119.00 (118.70 to 119.70): V

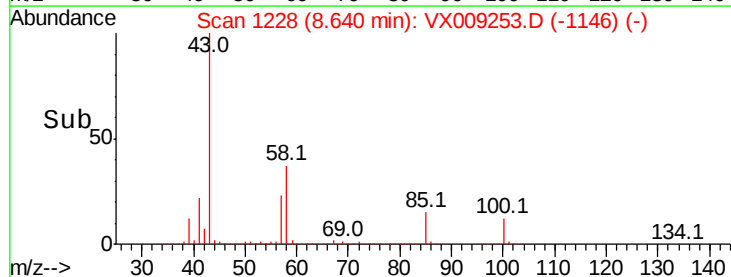
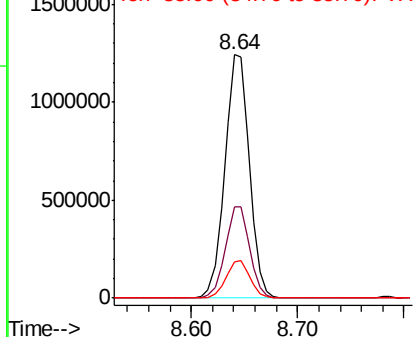


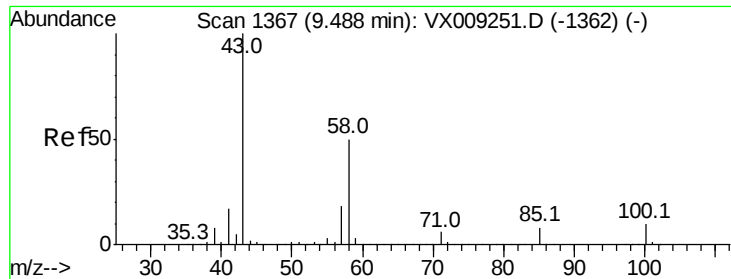
#58
4-Methyl-2-Pentanone
Concen: 501.026 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX009253.D
Acq: 01 May 2019 12:17

Tgt Ion: 43 Resp: 2003839
Ion Ratio Lower Upper
43 100
58 37.0 29.4 44.0
85 15.2 11.8 17.8



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

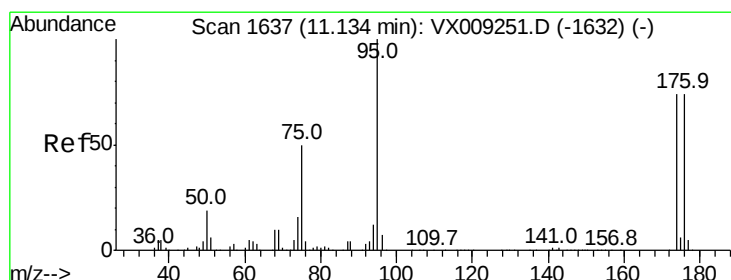
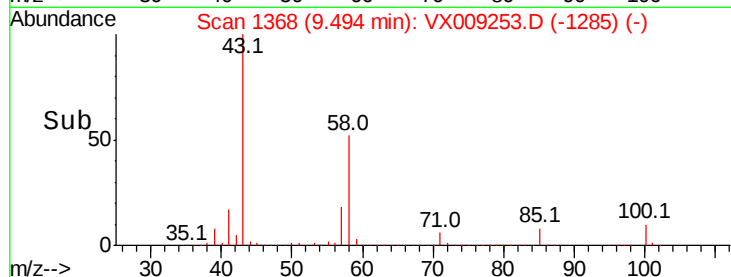
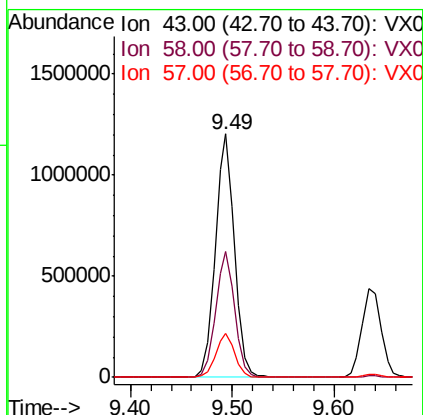
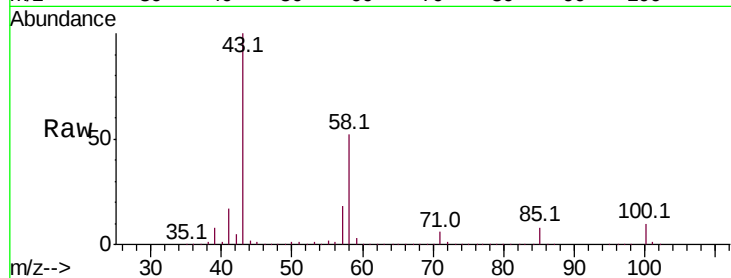




#59
2-Hexanone
Concen: 503.142 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VX009253.D
Acq: 01 May 2019 12:17

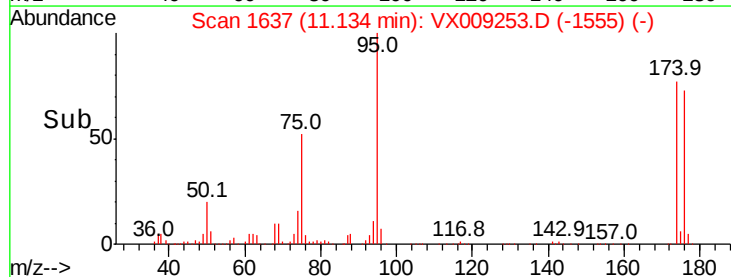
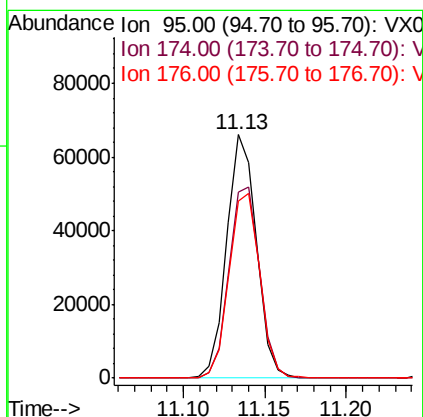
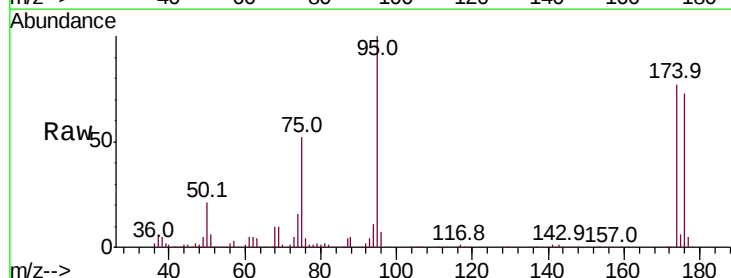
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

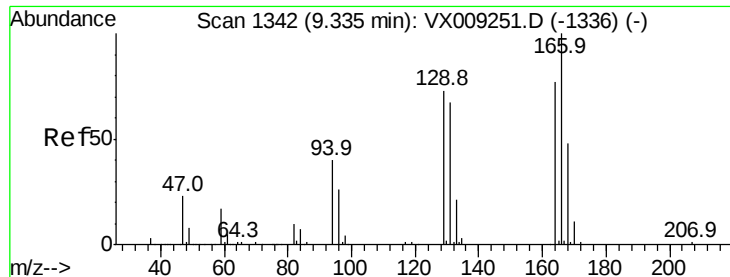
Tot Ion: 43 Resp: 1587087
Ion Ratio Lower Upper
43 100
58 51.4 40.8 61.2
57 18.0 14.1 21.1



#60
4-Bromofluorobenzene
Concen: 29.801 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX009253.D
Acq: 01 May 2019 12:17

Tgt Ion: 95 Resp: 83649
Ion Ratio Lower Upper
95 100
174 81.4 63.6 95.4
176 78.4 62.4 93.6





#61

Tetrachloroethene

Concen: 97.705 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX009253.D

Acq: 01 May 2019 12:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:164 Resp: 175979

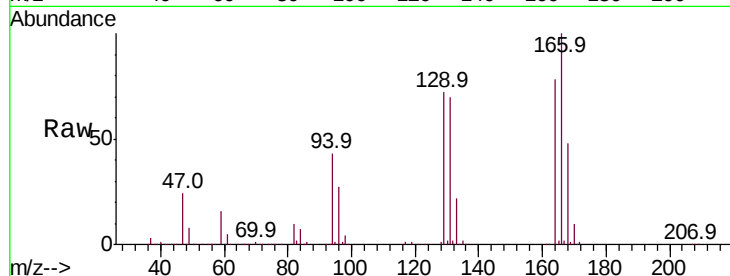
Ion Ratio Lower Upper

164 100

166 127.7 104.1 156.1

129 92.1 76.0 114.0

131 89.4 70.1 105.1



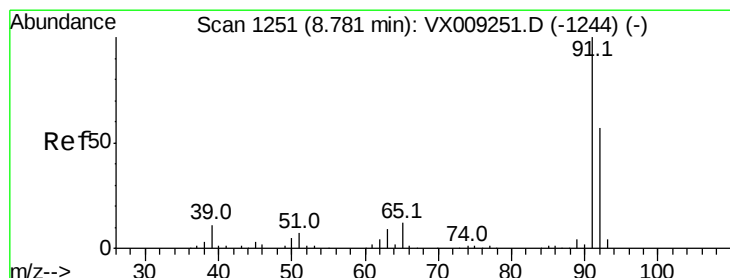
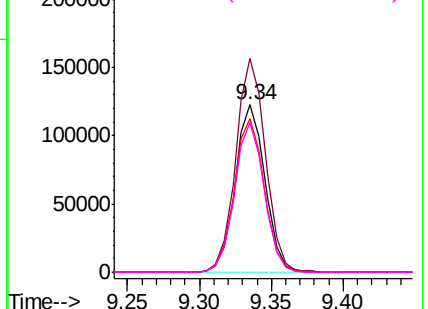
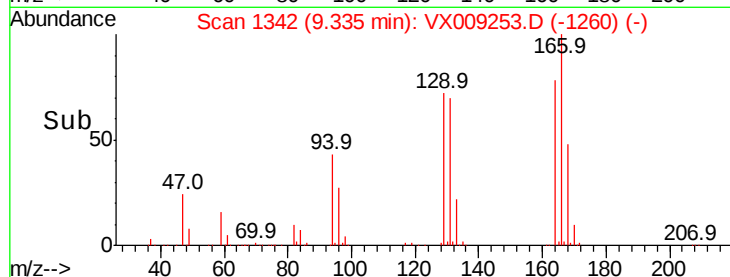
Abundance

Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 98.964 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX009253.D

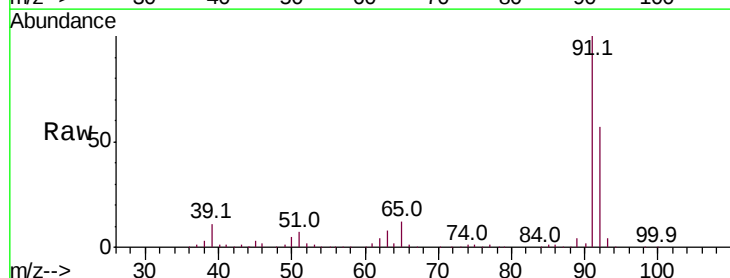
Acq: 01 May 2019 12:17

Tgt Ion: 91 Resp: 869511

Ion Ratio Lower Upper

91 100

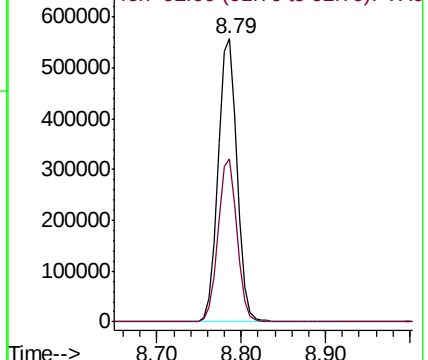
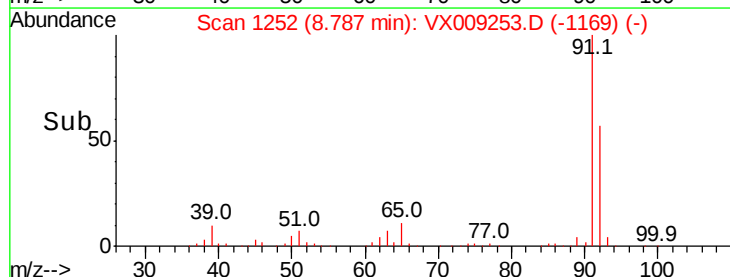
92 57.6 46.1 69.1

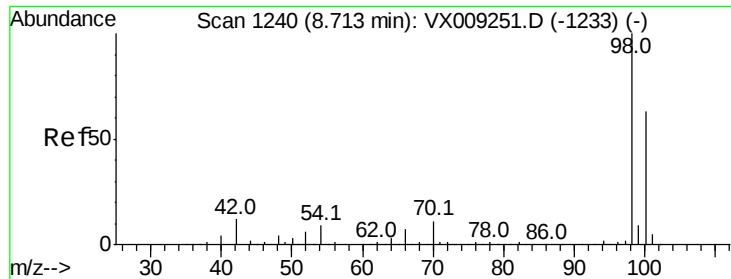


Abundance

Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 29.066 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009253.D

Acq: 01 May 2019 12:17

Instrument :

MSVOA_X

ClientSampleId :

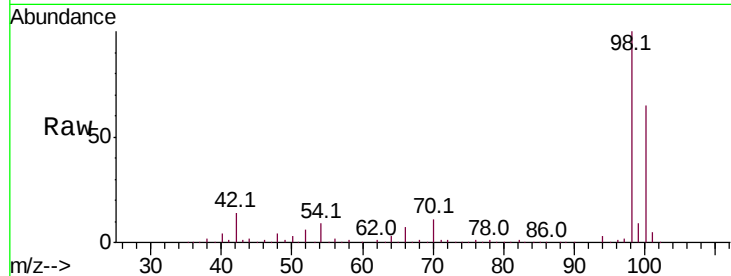
VSTDIC100

Tot Ion: 98 Resp: 229783

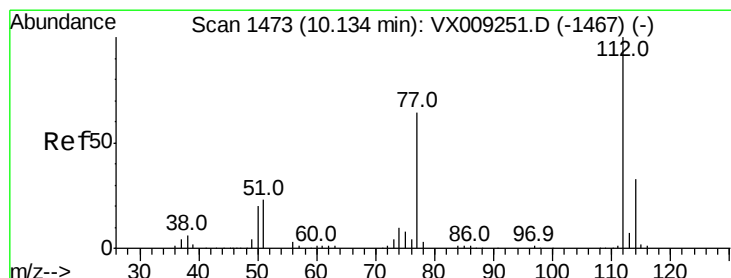
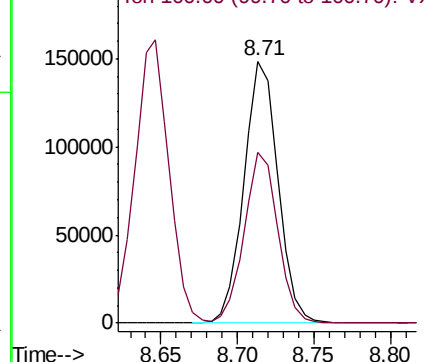
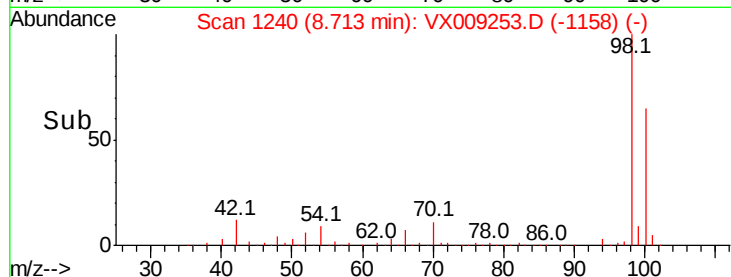
Ion Ratio Lower Upper

98 100

100 64.2 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VX009253.D (-1158) (-)



#64

Chlorobenzene

Concen: 100.774 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VX009253.D

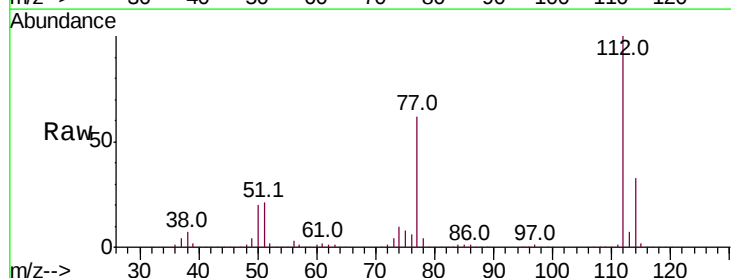
Acq: 01 May 2019 12:17

Tgt Ion: 112 Resp: 522343

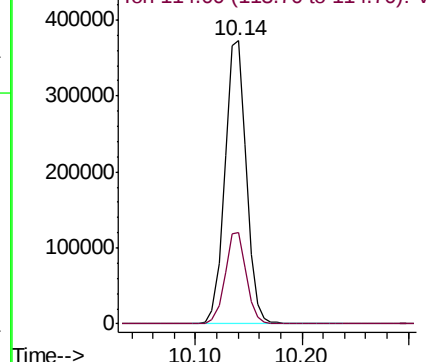
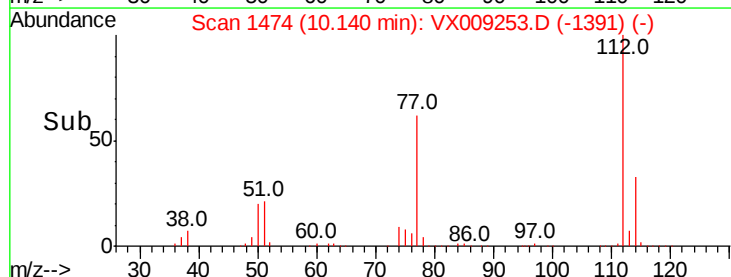
Ion Ratio Lower Upper

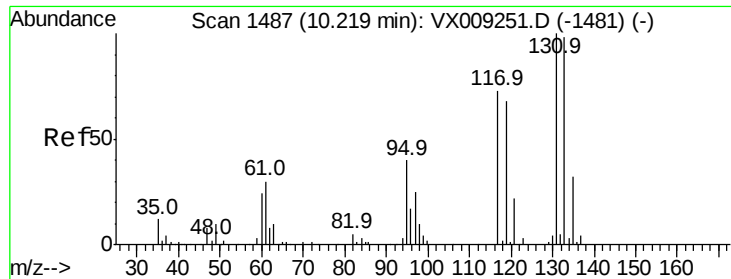
112 100

114 32.5 26.2 39.2



Abundance Ion 112.00 (111.70 to 112.70): VX009253.D (-1391) (-)

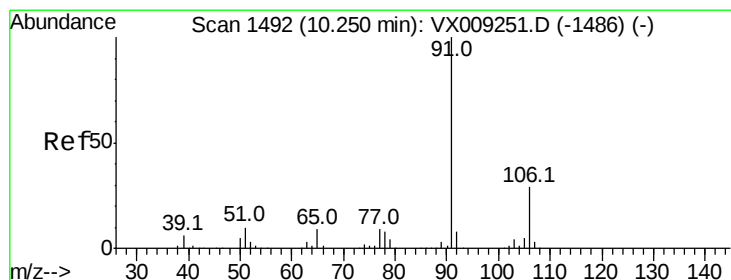
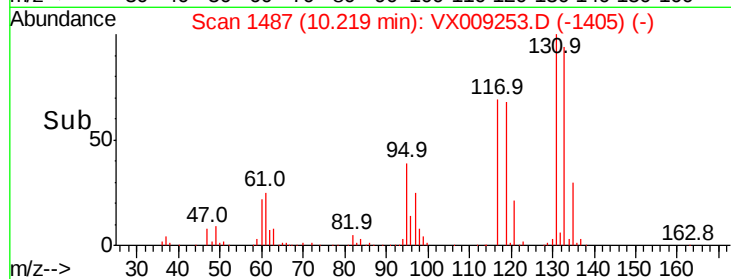
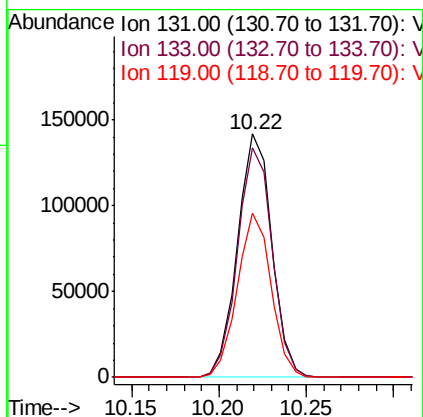
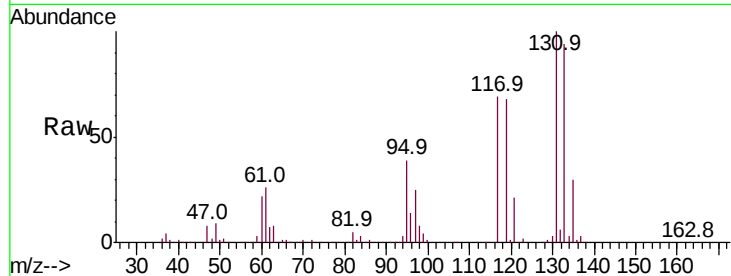




#65
 1,1,1,2-Tetrachloroethane
 Concen: 103.332 ug/l
 RT: 10.22 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VX009253.D
 Acq: 01 May 2019 12:17

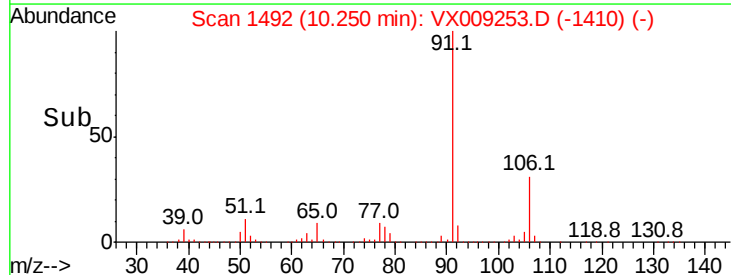
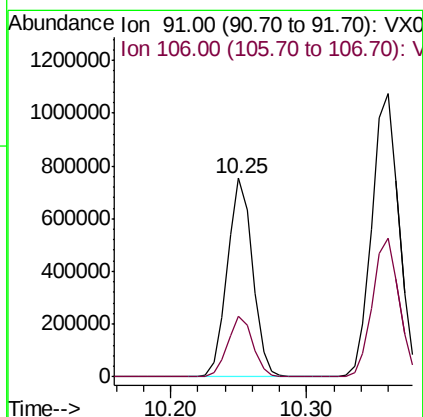
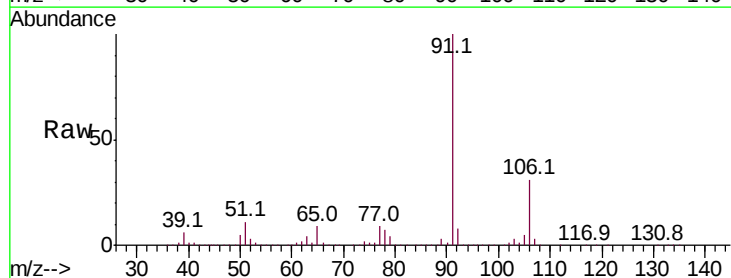
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

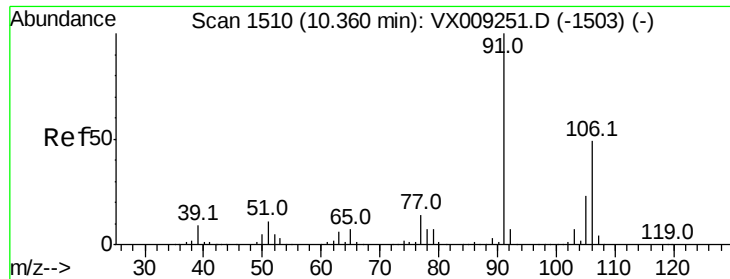
Tot Ion	Ratio	Lower	Upper
131	100		
133	95.0	0.0	191.2
119	66.5	0.0	135.4



#66
 Ethyl Benzene
 Concen: 100.565 ug/l
 RT: 10.25 min Scan# 1492
 Delta R.T. 0.00 min
 Lab File: VX009253.D
 Acq: 01 May 2019 12:17

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.6	23.5	35.3





#67

m/p-Xvlenes

Concen: 202.777 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX009253.D

Acq: 01 May 2019 12:17

Instrument :

MSVOA_X

ClientSampleId :

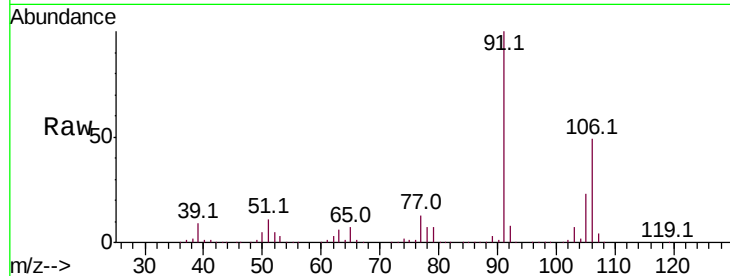
VSTDIC100

Tot Ion:106 Resp: 715749

Ion Ratio Lower Upper

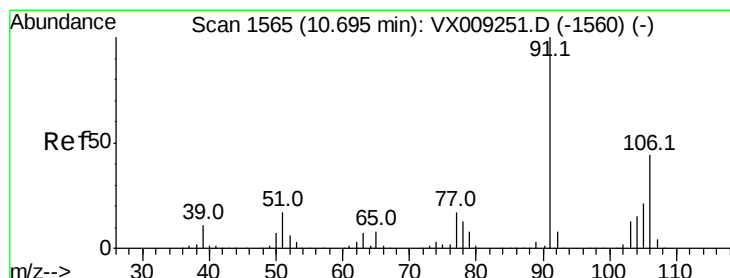
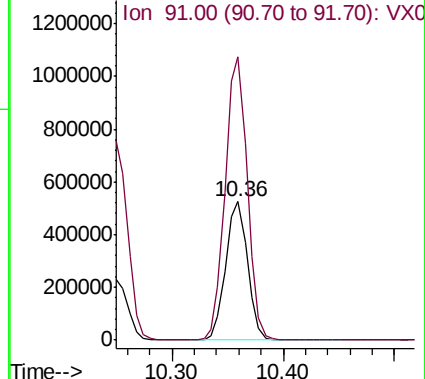
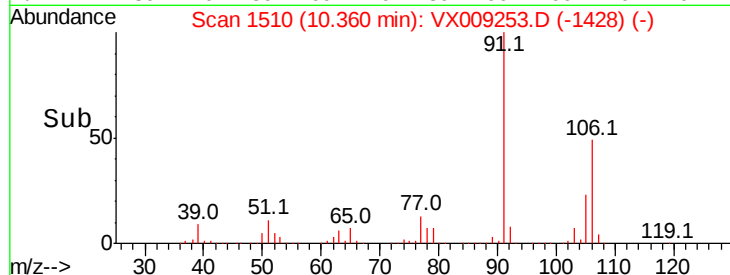
106 100

91 206.7 166.8 250.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#68

o-Xylene

Concen: 101.928 ug/l

RT: 10.70 min Scan# 1566

Delta R.T. 0.01 min

Lab File: VX009253.D

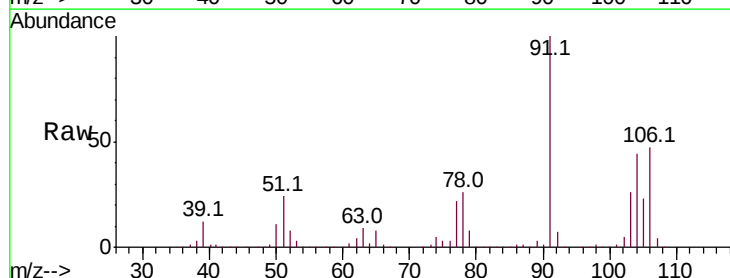
Acq: 01 May 2019 12:17

Tgt Ion:106 Resp: 349770

Ion Ratio Lower Upper

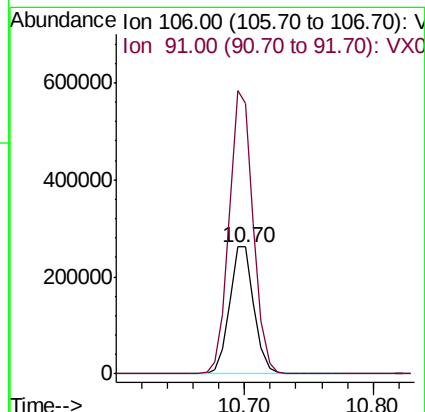
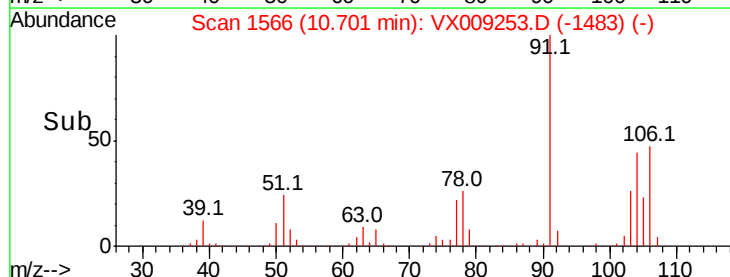
106 100

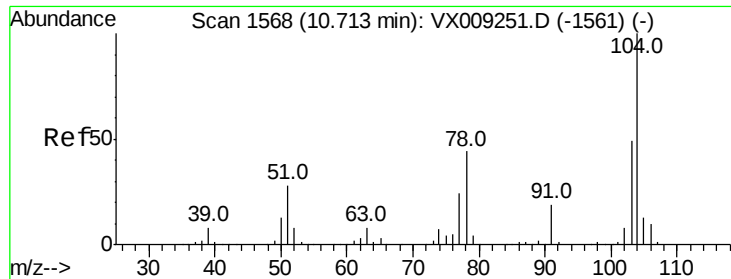
91 218.8 110.8 332.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

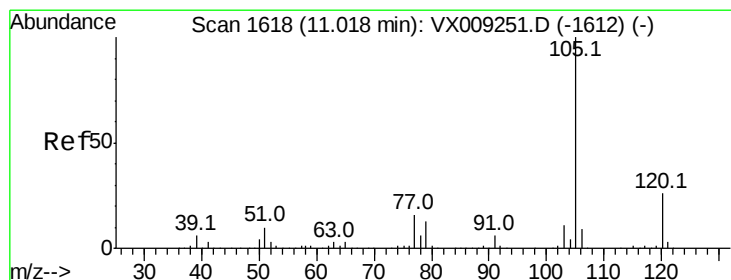
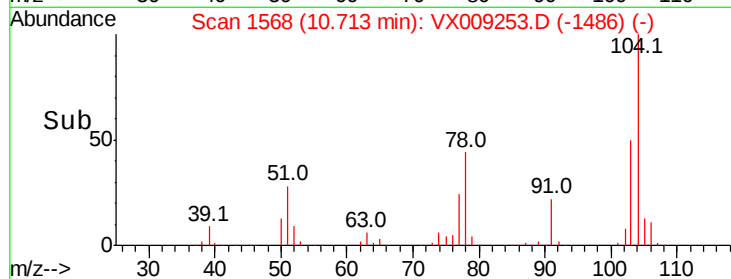
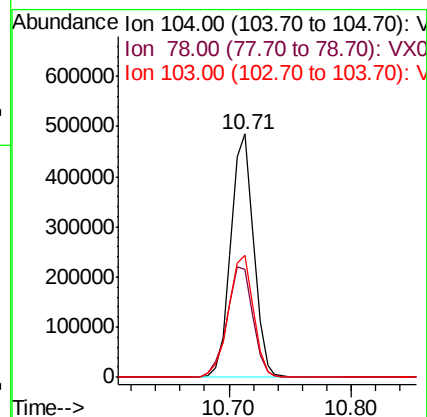
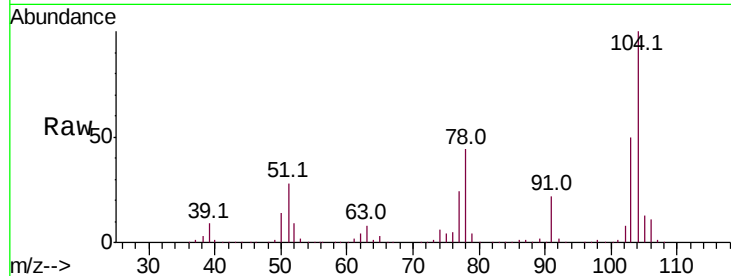




#69
Stvrene
Concen: 103.698 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX009253.D
Acq: 01 May 2019 12:17

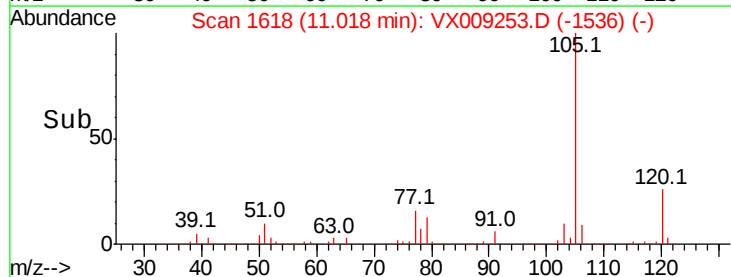
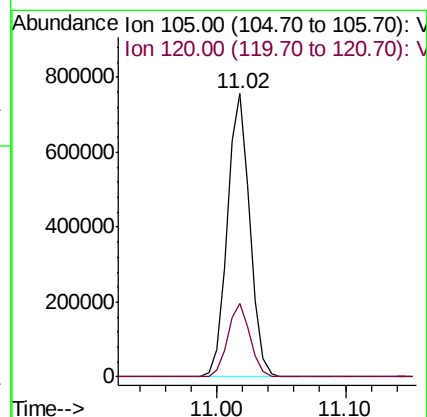
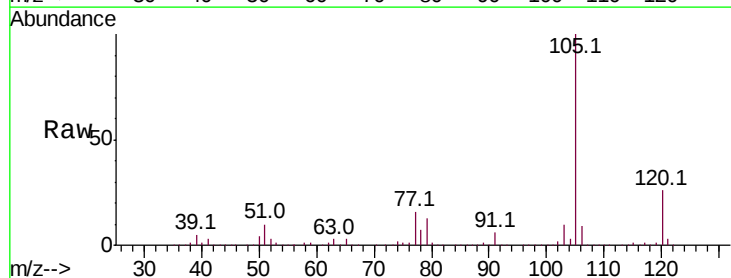
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

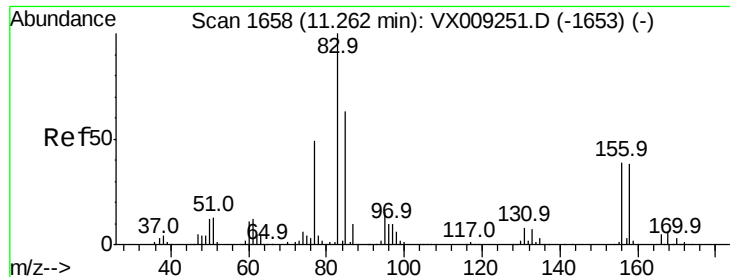
Tot Ion:104 Resp: 625197
Ion Ratio Lower Upper
104 100
78 51.7 41.1 61.7
103 54.9 43.8 65.8



#70
Isopropylbenzene
Concen: 99.403 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX009253.D
Acq: 01 May 2019 12:17

Tgt Ion:105 Resp: 929621
Ion Ratio Lower Upper
105 100
120 25.7 18.1 33.7





#71

1,1,2,2-Tetrachloroethane

Concen: 102.857 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.01 min

Lab File: VX009253.D

Acq: 01 May 2019 12:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

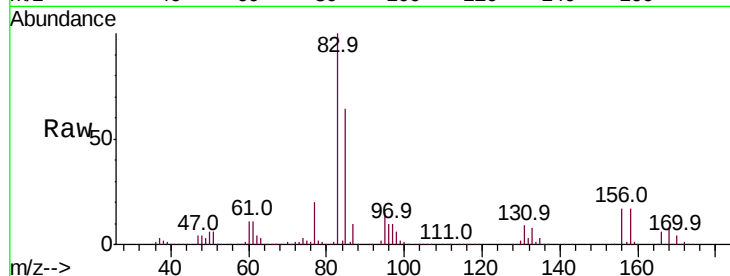
Tot Ion: 83 Resp: 345792

Ion Ratio Lower Upper

83 100

131 9.4 4.7 14.0

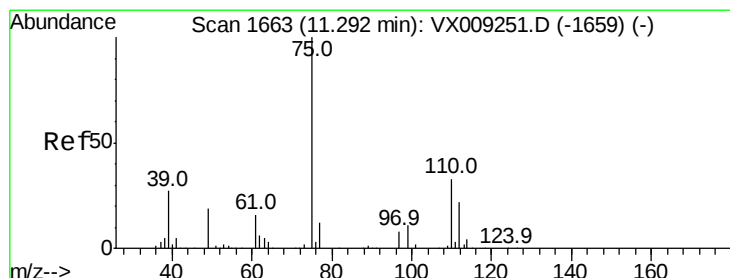
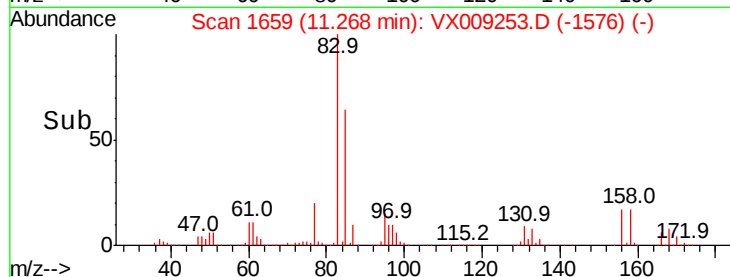
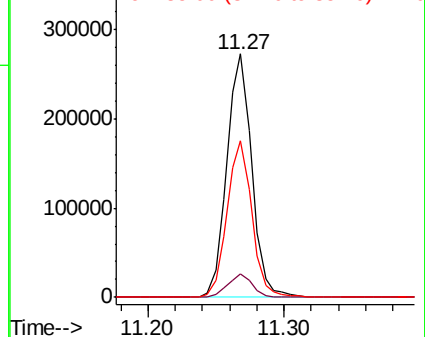
85 64.0 32.4 97.2



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VX0



#72

1,2,3-Trichloropropane

Concen: 143.808 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX009253.D

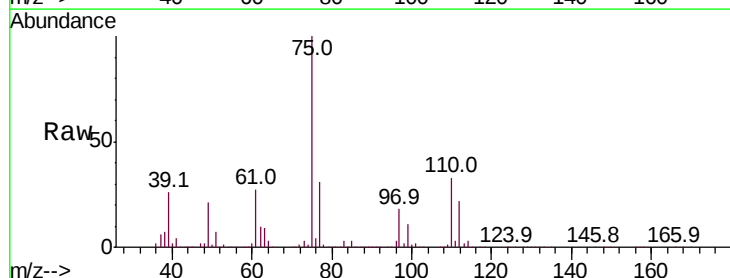
Acq: 01 May 2019 12:17

Tgt Ion: 75 Resp: 426393

Ion Ratio Lower Upper

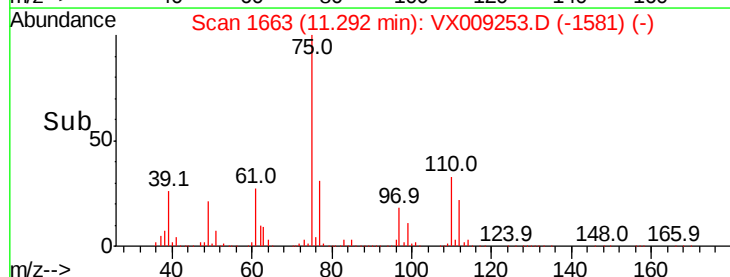
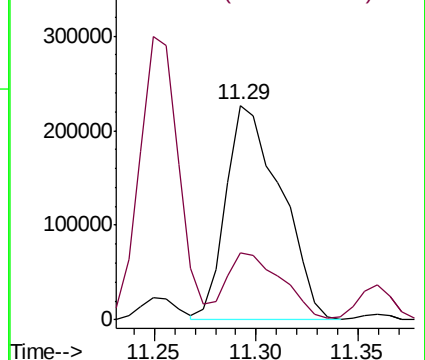
75 100

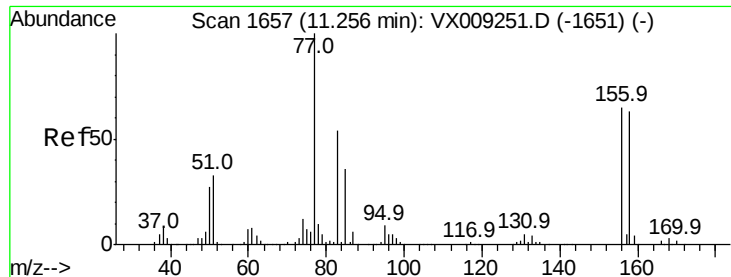
77 31.7 0.0 86.4



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





#73

Bromobenzene

Concen: 101.525 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX009253.D

Acq: 01 May 2019 12:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

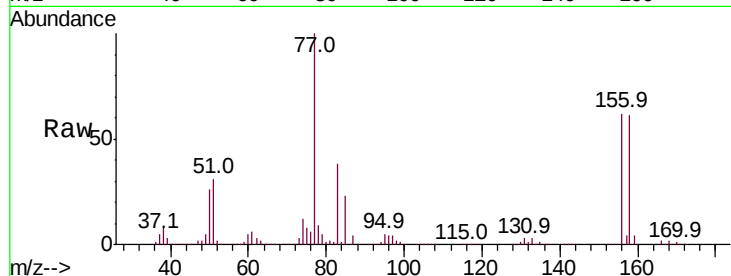
Tot Ion:156 Resp: 233585

Ion Ratio Lower Upper

156 100

77 169.2 0.0 335.6

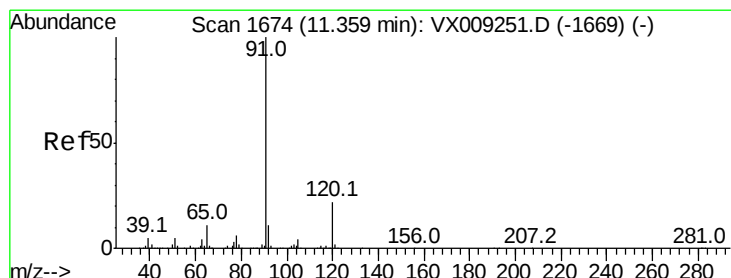
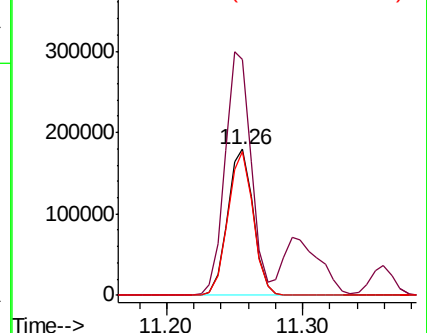
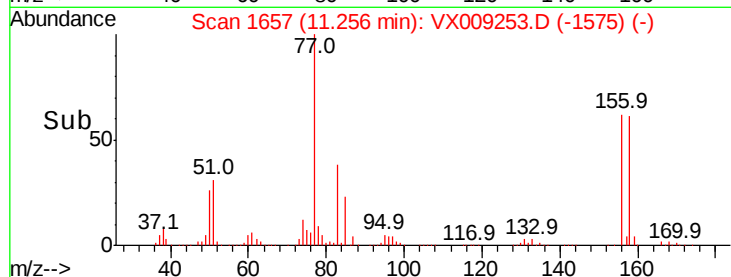
158 97.0 0.0 191.2



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 102.745 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX009253.D

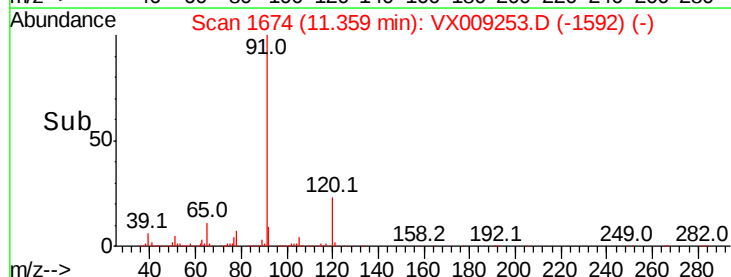
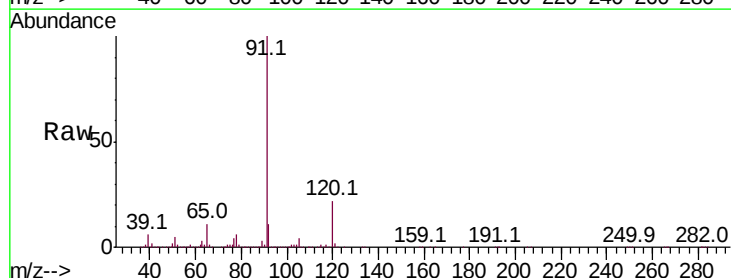
Acq: 01 May 2019 12:17

Tgt Ion: 91 Resp: 1103293

Ion Ratio Lower Upper

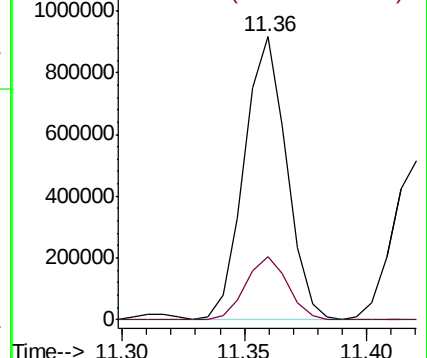
91 100

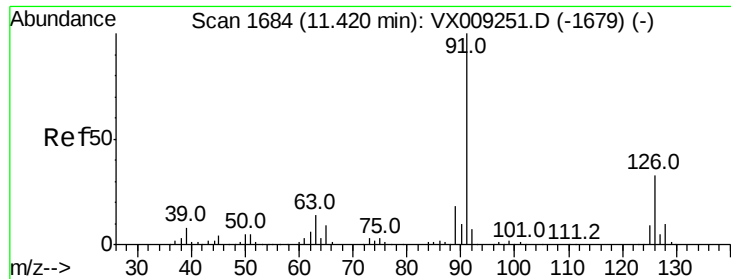
120 22.1 0.0 43.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 100.709 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX009253.D

Acq: 01 May 2019 12:17

Instrument :

MSVOA_X

ClientSampleId :

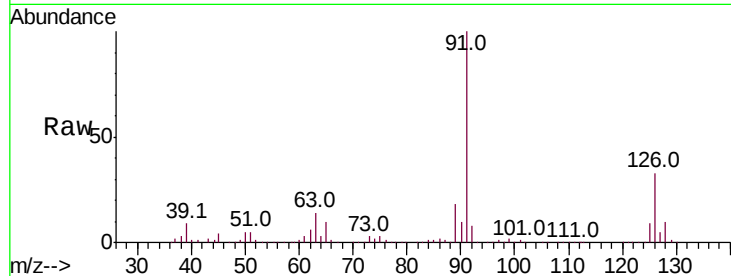
VSTDIC100

Tot Ion: 91 Resp: 651207

Ion Ratio Lower Upper

91 100

126 32.5 0.0 64.0



Abundance Ion 91.00 (90.70 to 91.70): VX009253.D (-1679) (-)

Ion 126.00 (125.70 to 126.70): VX009253.D (-1679) (-)

1000000

800000

600000

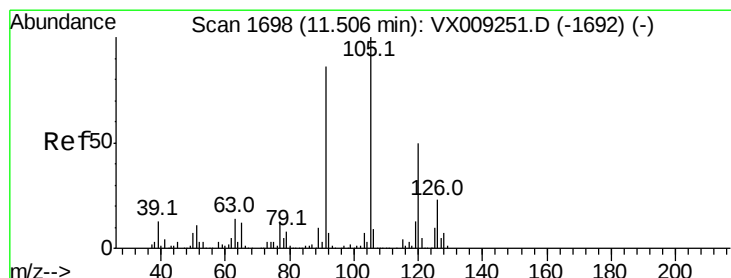
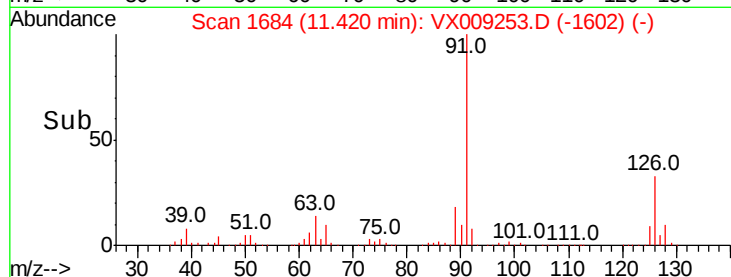
400000

200000

0

11.40 11.42 11.45

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 102.356 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009253.D

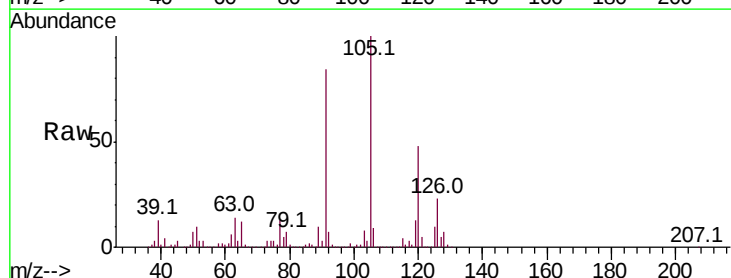
Acq: 01 May 2019 12:17

Tgt Ion:105 Resp: 803844

Ion Ratio Lower Upper

105 100

120 48.1 0.0 97.4



Abundance Ion 105.00 (104.70 to 105.70): VX009253.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX009253.D (-1692) (-)

800000

600000

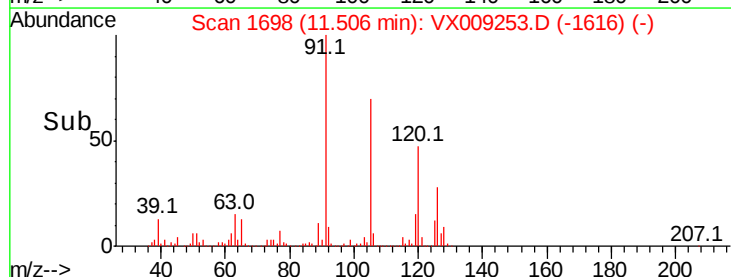
400000

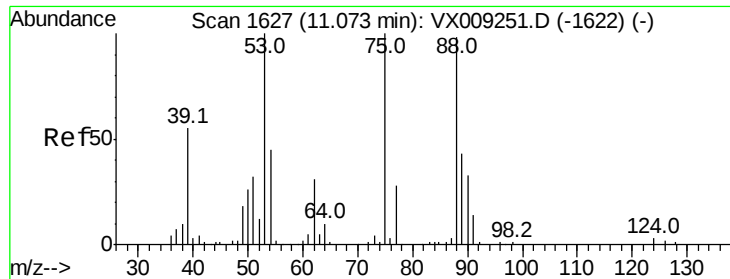
200000

0

11.45 11.50 11.55

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 119.457 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX009253.D

Acq: 01 May 2019 12:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

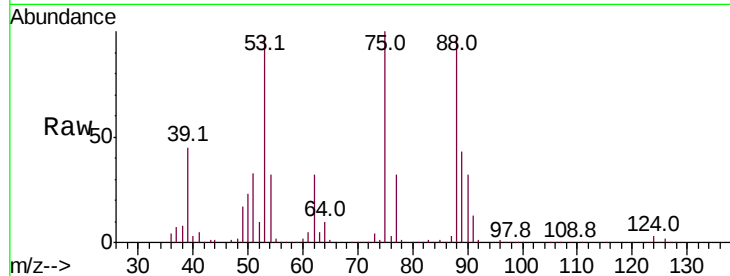
Tot Ion: 75 Resp: 130705

Ion Ratio Lower Upper

75 100

53 96.8 50.0 149.8

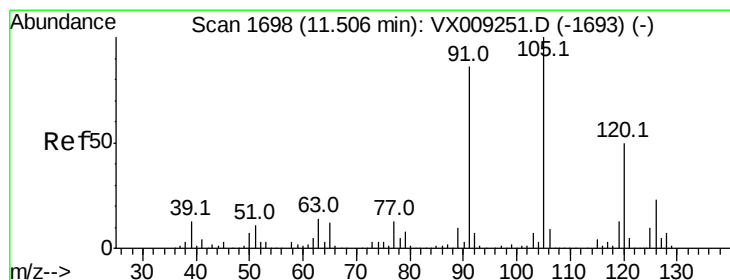
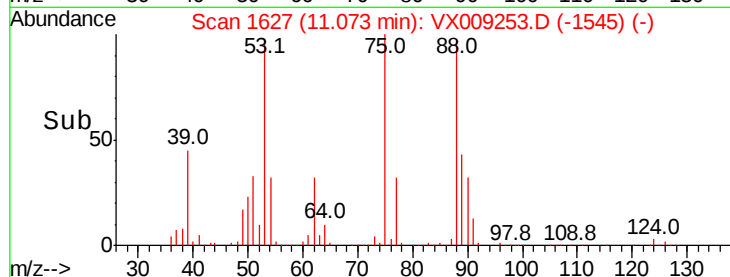
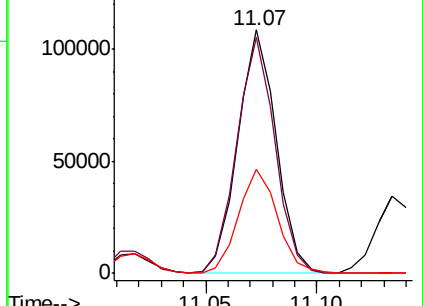
89 42.4 21.6 65.0



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 89.00 (88.70 to 89.70): VX0



#78

4-Chlorotoluene

Concen: 104.336 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.01 min

Lab File: VX009253.D

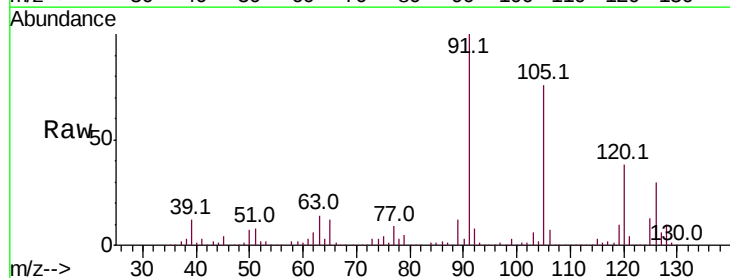
Acq: 01 May 2019 12:17

Tgt Ion: 91 Resp: 755174

Ion Ratio Lower Upper

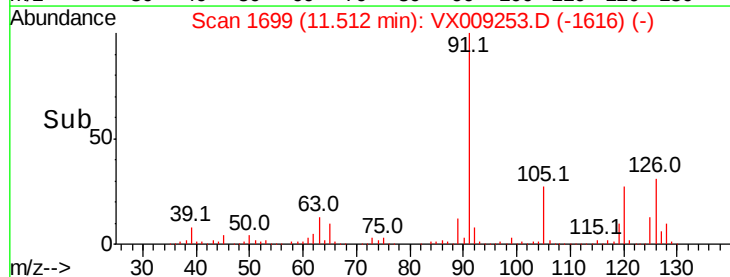
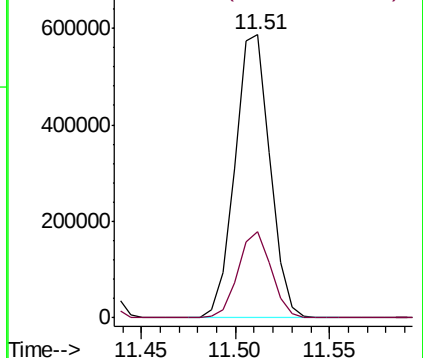
91 100

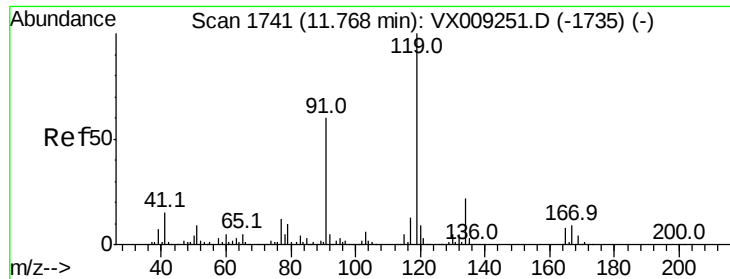
126 28.8 0.0 57.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V

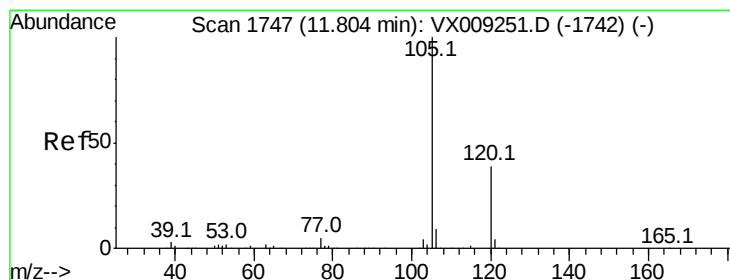
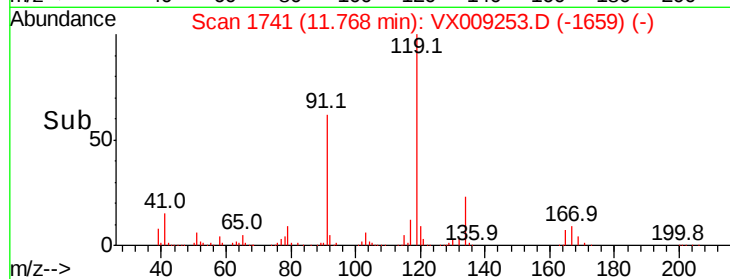
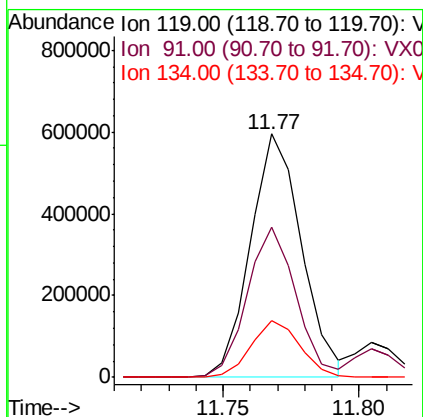
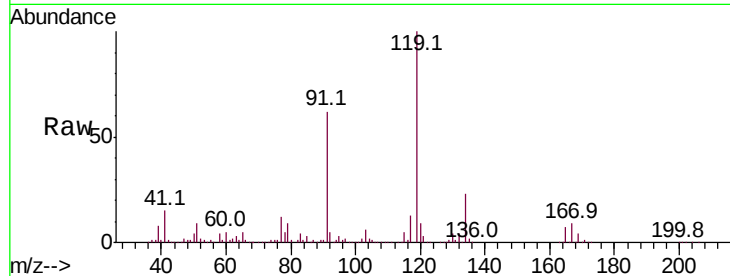




#79
tert-butylbenzene
Concen: 102.107 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX009253.D
Acq: 01 May 2019 12:17

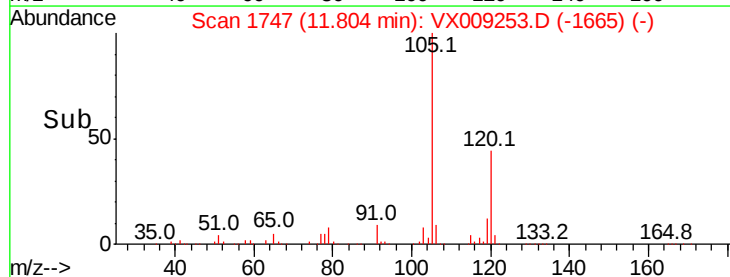
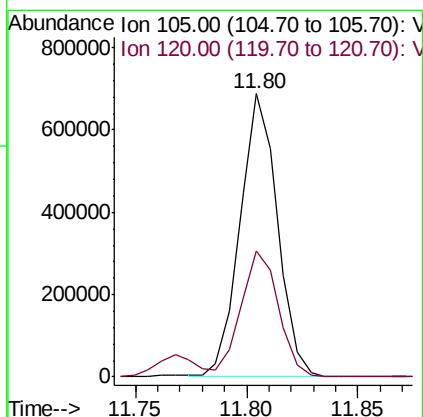
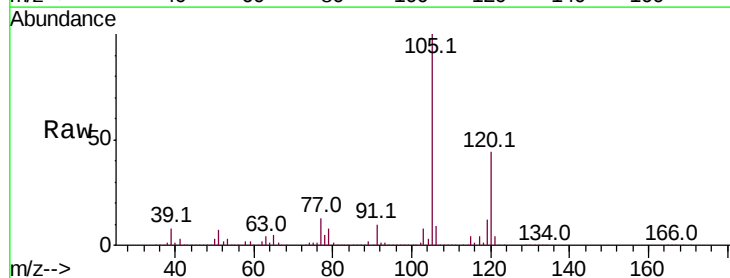
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

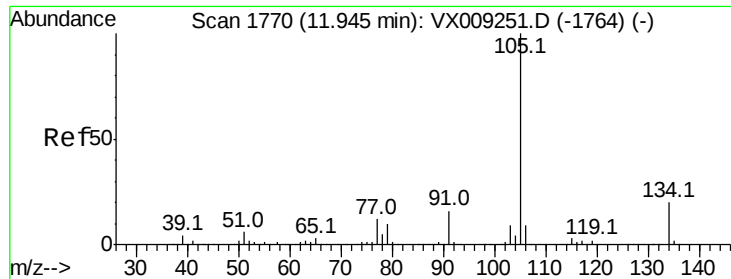
Tot Ion:119 Resp: 774598
Ion Ratio Lower Upper
119 100
91 58.9 0.0 118.2
134 22.5 0.0 45.0



#80
1,2,4-Trimethylbenzene
Concen: 102.734 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX009253.D
Acq: 01 May 2019 12:17

Tgt Ion:105 Resp: 805704
Ion Ratio Lower Upper
105 100
120 44.4 0.0 89.6

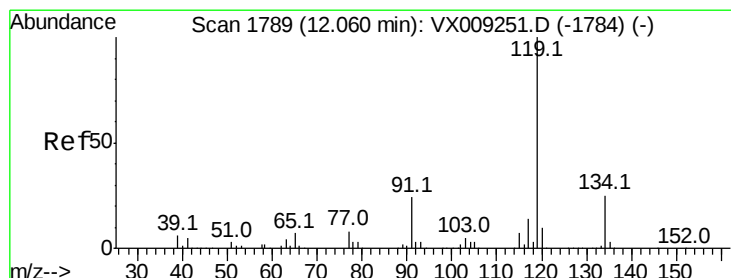
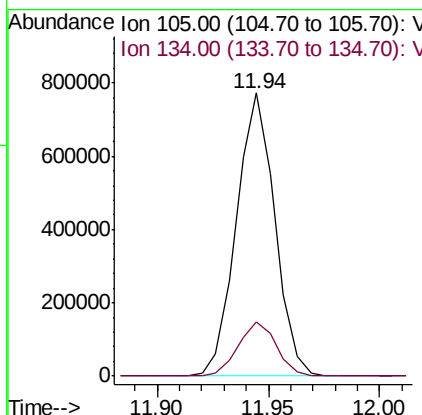
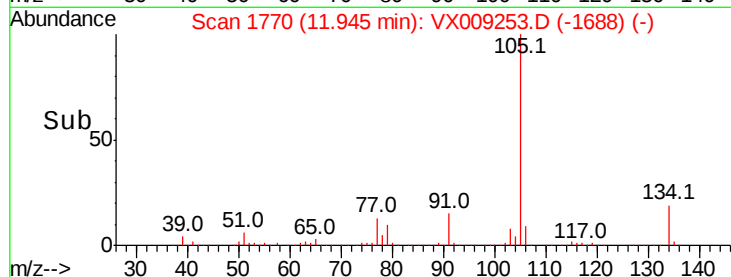
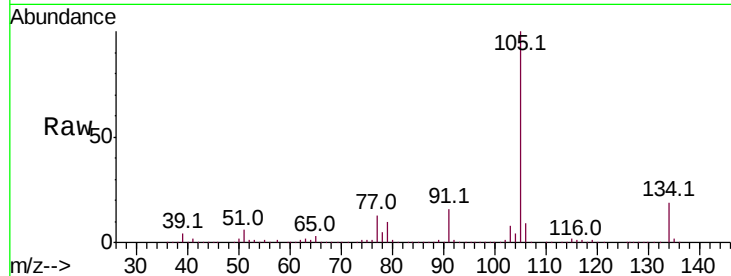




#81
 sec-Butylbenzene
 Concen: 102.985 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX009253.D
 Acq: 01 May 2019 12:17

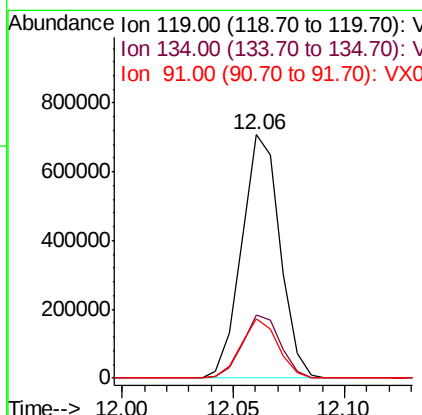
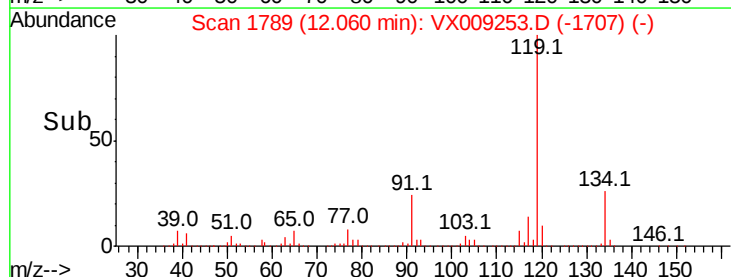
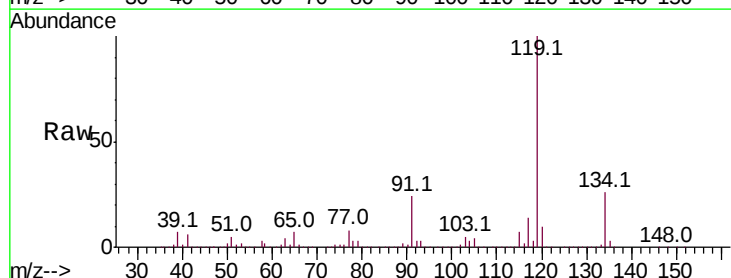
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

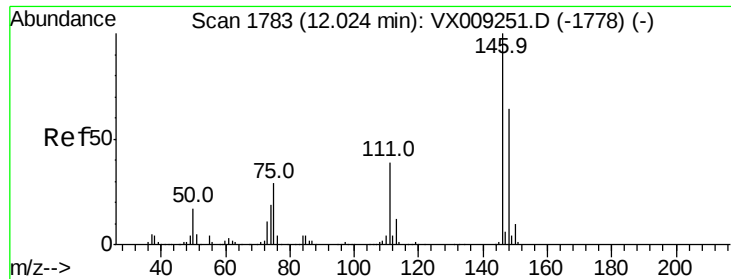
Tot Ion:105 Resp: 925399
 Ion Ratio Lower Upper
 105 100
 134 19.3 0.0 38.6



#82
 p-Isopropyltoluene
 Concen: 104.293 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX009253.D
 Acq: 01 May 2019 12:17

Tgt Ion:119 Resp: 850354
 Ion Ratio Lower Upper
 119 100
 134 25.7 0.0 50.8
 91 23.6 0.0 47.2

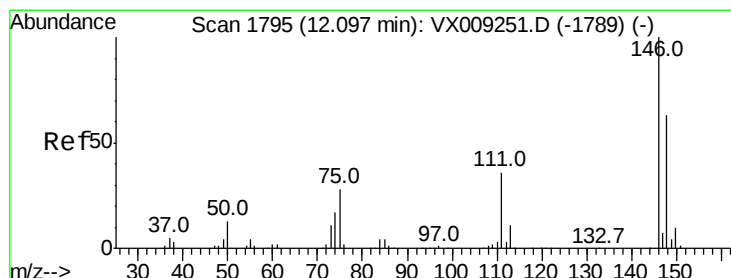
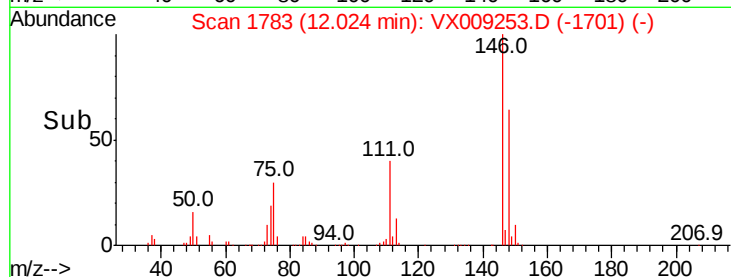
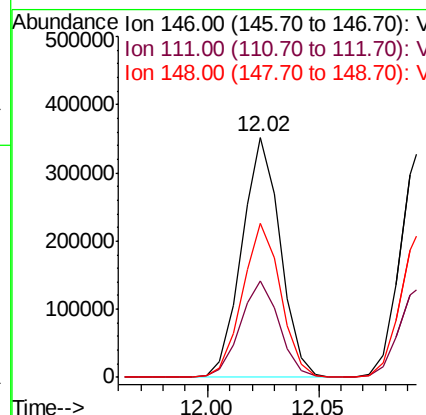
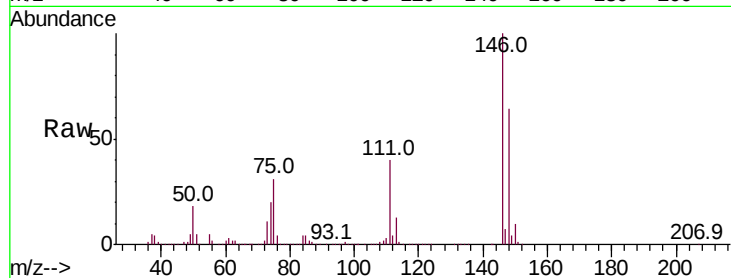




#83
 1,3-Dichlorobenzene
 Concen: 106.074 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX009253.D
 Acq: 01 May 2019 12:17

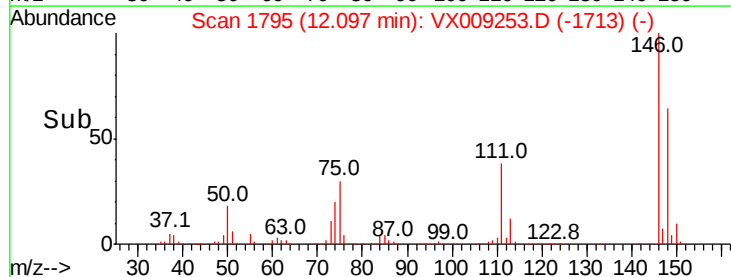
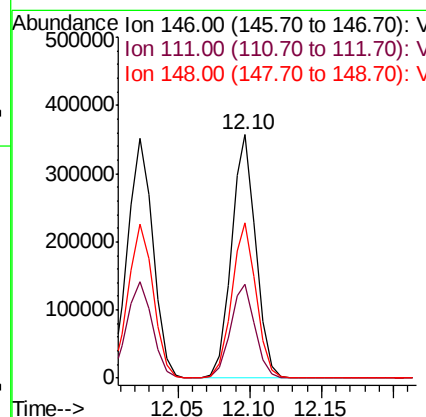
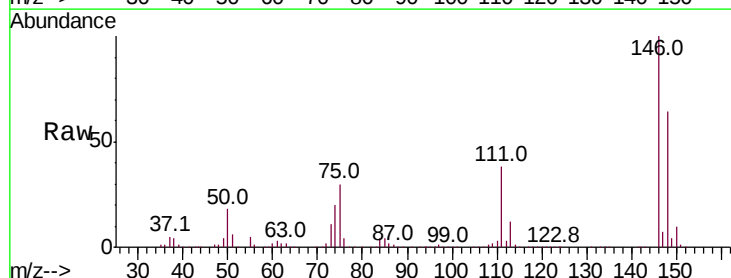
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

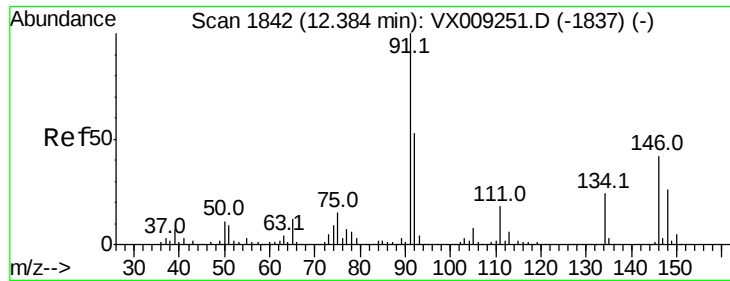
Tot Ion:146 Resp: 423112
 Ion Ratio Lower Upper
 146 100
 111 40.4 20.0 60.0
 148 64.0 32.2 96.6



#84
 1,4-Dichlorobenzene
 Concen: 108.147 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX009253.D
 Acq: 01 May 2019 12:17

Tgt Ion:146 Resp: 424912
 Ion Ratio Lower Upper
 146 100
 111 38.8 19.6 58.7
 148 63.7 32.3 96.8

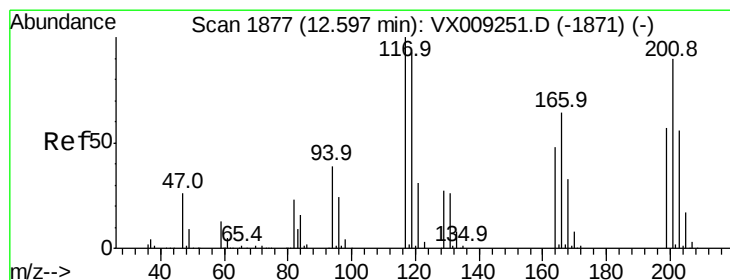
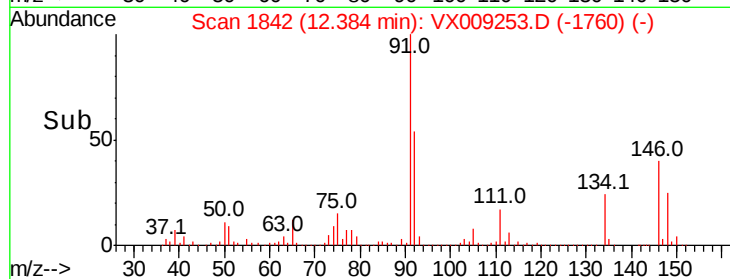
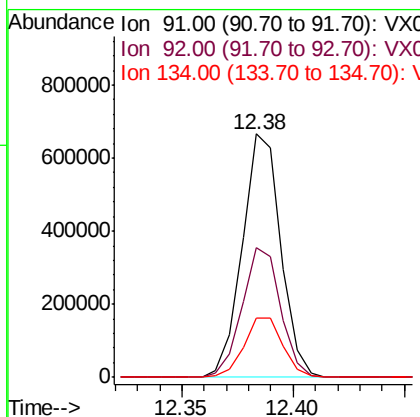
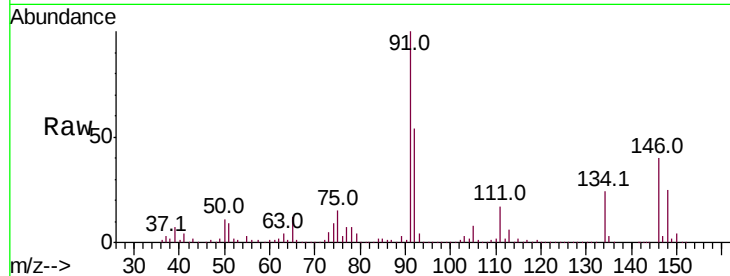




#85
n-Butylbenzene
Concen: 110.996 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX009253.D
Acq: 01 May 2019 12:17

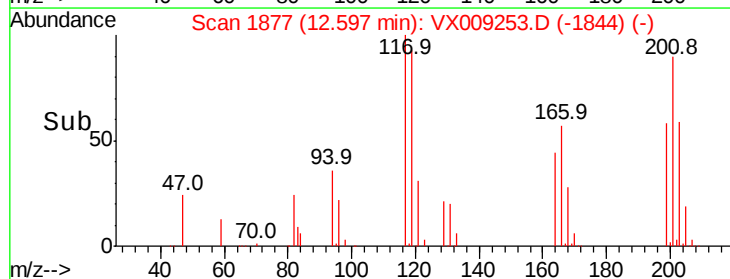
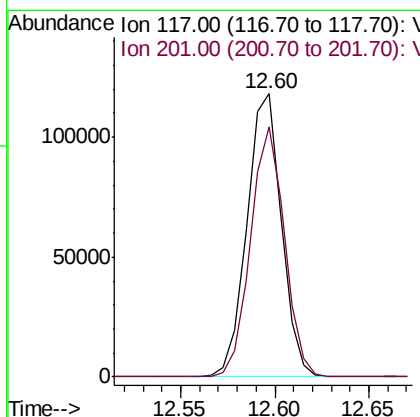
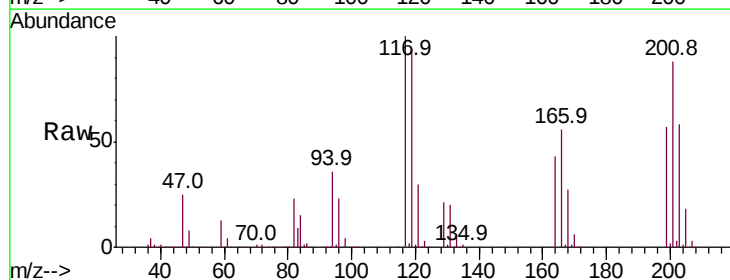
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

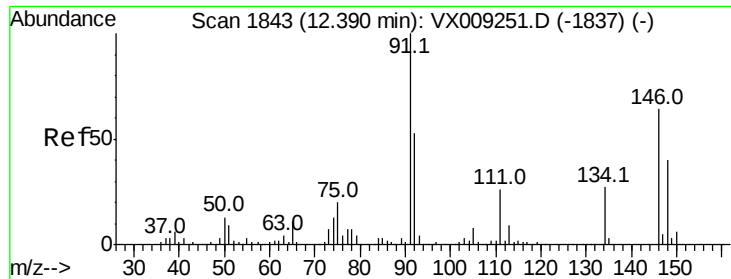
Tot Ion: 91 Resp: 803248
Ion Ratio Lower Upper
91 100
92 53.4 0.0 106.6
134 24.9 0.0 50.0



#86
Hexachloroethane
Concen: 108.224 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX009253.D
Acq: 01 May 2019 12:17

Tgt Ion: 117 Resp: 149803
Ion Ratio Lower Upper
117 100
201 86.8 41.8 125.4

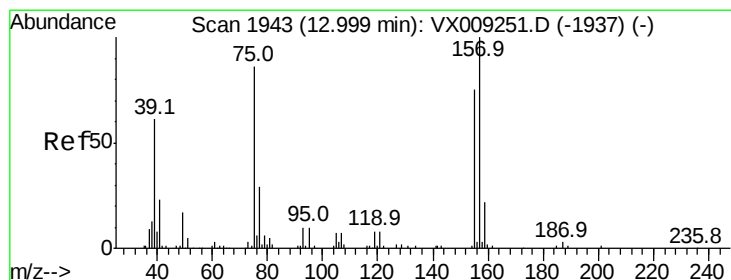
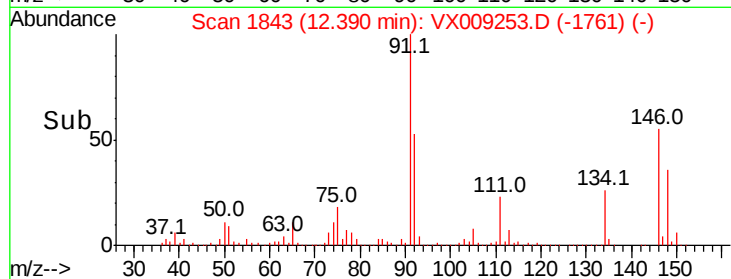
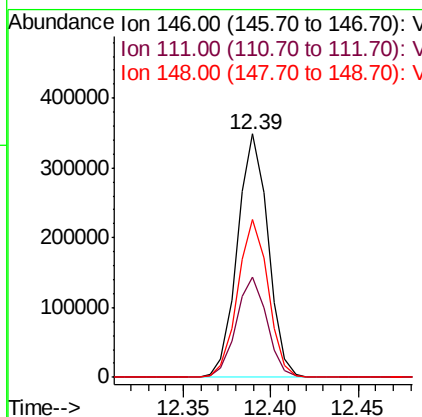
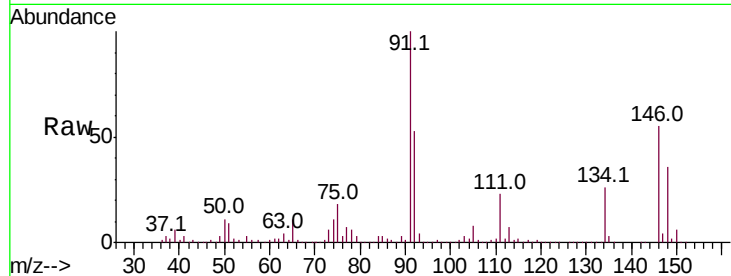




#87
 1,2-Dichlorobenzene
 Concen: 104.021 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX009253.D
 Acq: 01 May 2019 12:17

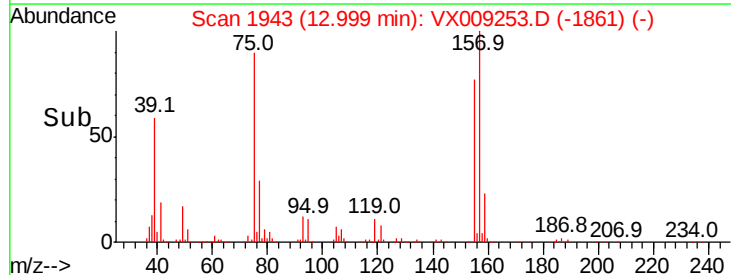
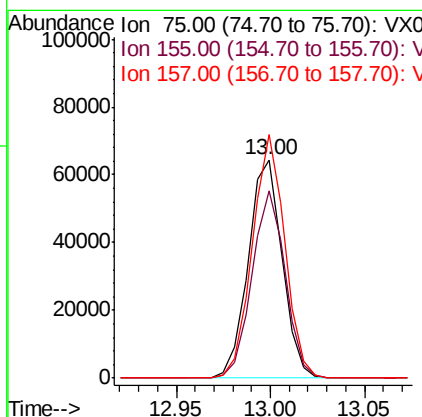
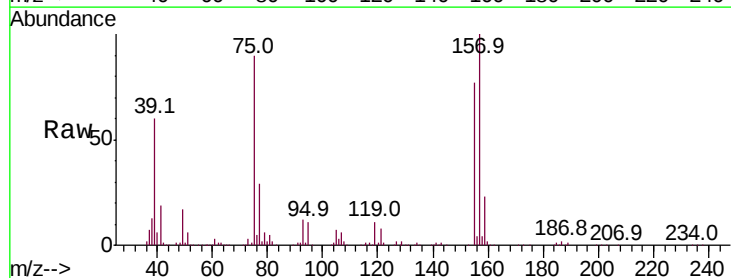
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

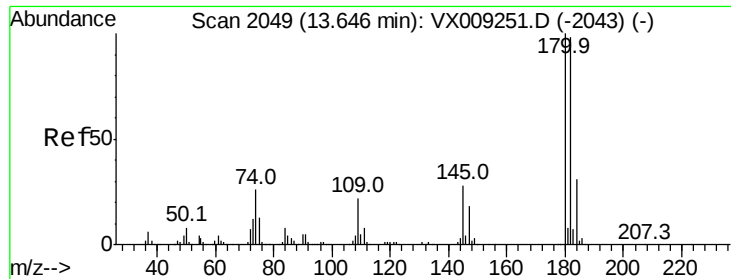
Tot Ion:146 Resp: 424040
 Ion Ratio Lower Upper
 146 100
 111 41.2 20.8 62.2
 148 64.5 31.4 94.3



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 103.703 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX009253.D
 Acq: 01 May 2019 12:17

Tgt Ion: 75 Resp: 80478
 Ion Ratio Lower Upper
 75 100
 155 83.7 65.9 98.9
 157 106.4 85.2 127.8

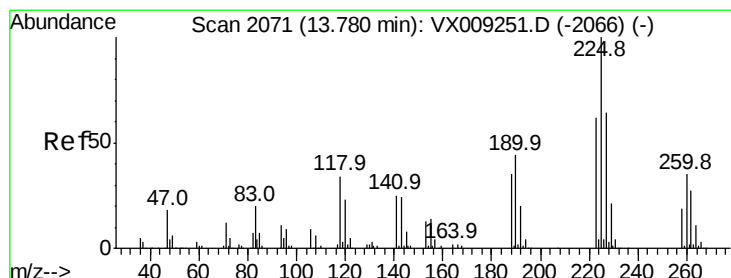
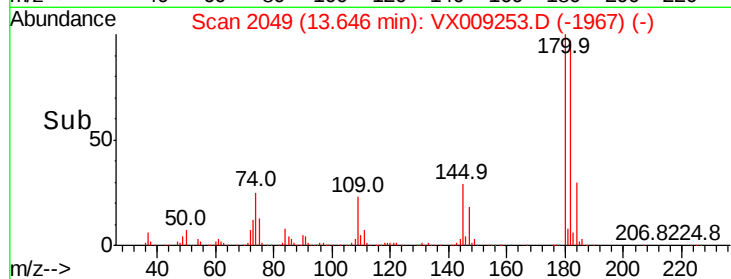
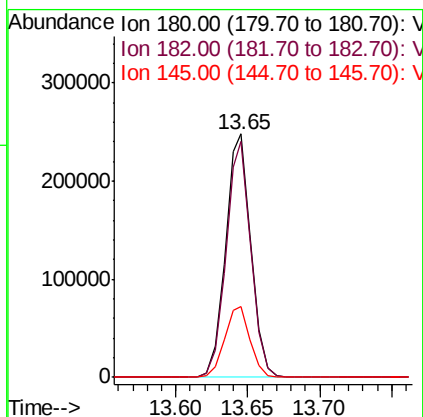
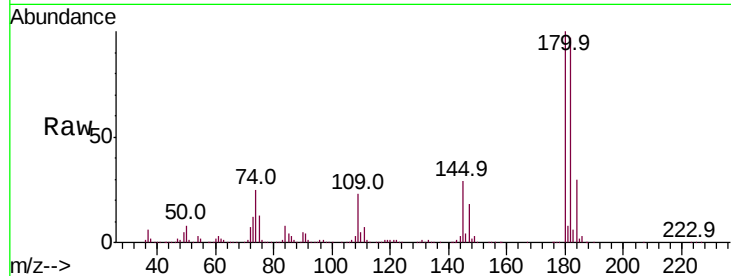




#89
 1,2,4-Trichlorobenzene
 Concen: 109.438 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX009253.D
 Acq: 01 May 2019 12:17

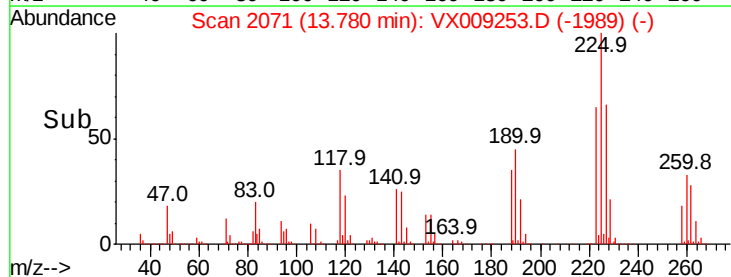
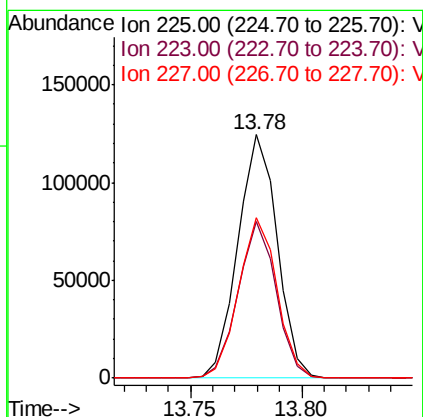
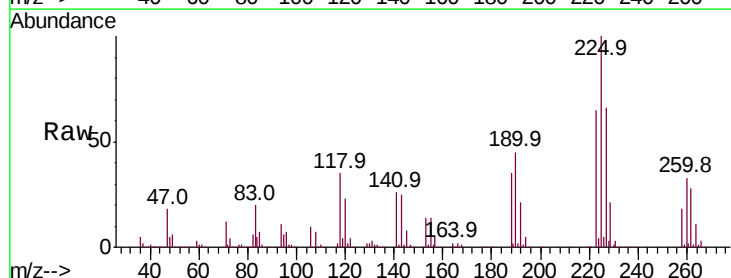
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

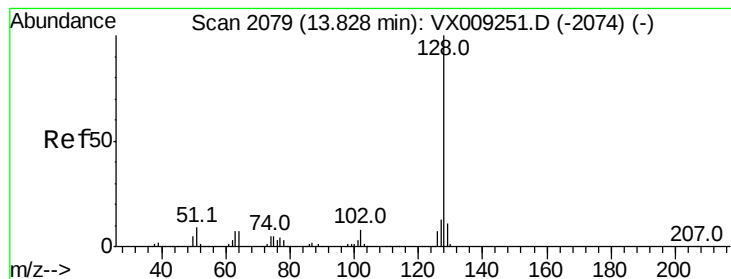
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	76.9	115.3
145	29.3	23.0	34.6



#90
 Hexachlorobutadiene
 Concen: 108.559 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX009253.D
 Acq: 01 May 2019 12:17

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	0.0	126.6
227	64.2	0.0	130.0





#91

Naphthalene

Concen: 101.653 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.01 min

Lab File: VX009253.D

Acq: 01 May 2019 12:17

Instrument :

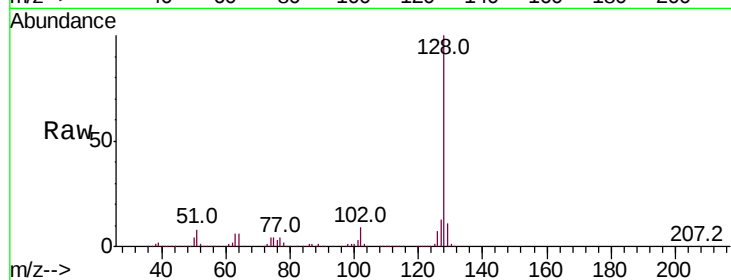
MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion:128 Resp: 971957

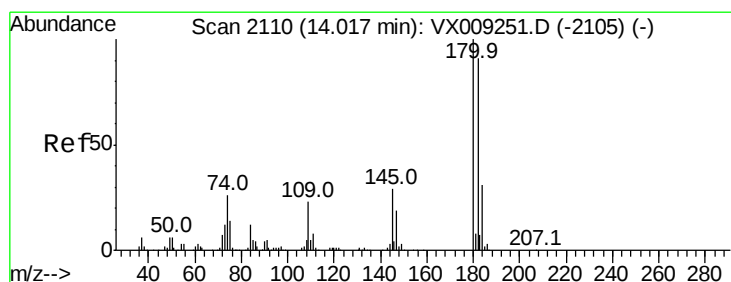
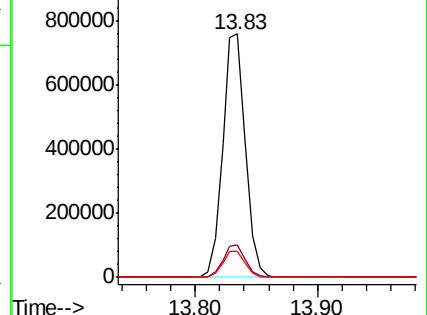
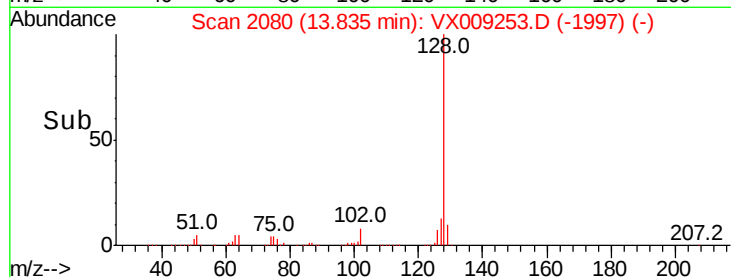
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.5	15.7
129	10.8	8.7	13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 102.607 ug/l

RT: 14.02 min Scan# 2110

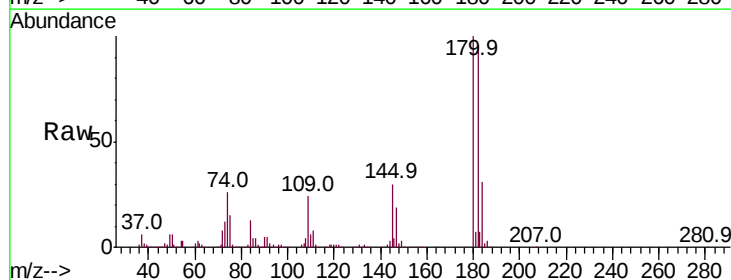
Delta R.T. 0.00 min

Lab File: VX009253.D

Acq: 01 May 2019 12:17

Tgt Ion:180 Resp: 301304

Ion	Ratio	Lower	Upper
180	100		
182	95.5	0.0	189.0
145	30.7	0.0	61.6



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

