

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX030819\
 Data File : VX007924.D
 Acq On : 08 Mar 2019 11:40
 Operator : JC/SP
 Sample : VSTDIC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Quant Time: Mar 09 03:46:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X030819W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 08 12:01:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	42615	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	240341	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	209176	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	84970	30.34	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.13%
60) 4-Bromofluorobenzene	11.14	95	101073	30.27	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.90%
63) Toluene-d8	8.71	98	287202	30.00	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	365391	144.429	ug/l 99
3) Chloromethane	1.33	50	380711	135.328	ug/l 97
4) Vinyl Chloride	1.41	62	398128	142.870	ug/l 99
5) Bromomethane	1.64	94	187547	134.995	ug/l 99
6) Chloroethane	1.71	64	217203	133.462	ug/l 96
7) Trichlorofluoromethane	1.92	101	483615	139.367	ug/l 97
8) Diethyl Ether	2.19	74	267400	149.632	ug/l 88
9) 1,1,2-Trichlorotrifluoroet	2.38	101	381503	146.232	ug/l 98
10) 1,1-Dichloroethene	2.37	96	370648	149.889	ug/l 94
11) Methyl Iodide	2.51	142	602613	155.675	ug/l 95
12) Methyl Acetate	2.78	43	547214	139.921	ug/l 96
13) Acrolein	2.30	56	343222	748.058	ug/l 98
14) Acrylonitrile	3.15	53	1205820	726.331	ug/l 100
15) Acetone	2.45	58	377592	629.973	ug/l 100
16) Carbon Disulfide	2.57	76	1170722	150.899	ug/l 99
17) Allyl chloride	2.73	41	762001	150.304	ug/l 87
18) Methylene Chloride	2.85	84	401072	142.370	ug/l 94
19) trans-1,2-Dichloroethene	3.16	96	388714	148.567	ug/l 96
20) Diisopropyl ether	3.87	45	1365283	147.206	ug/l 92
21) 1,1-Dichloroethane	3.70	63	740938	146.891	ug/l 98
22) cis-1,2-Dichloroethene	4.60	96	450422	149.240	ug/l 92
23) tert-Butyl Alcohol	3.10	59	482048	719.738	ug/l # 100
24) Methyl tert-Butyl Ether	3.21	73	1264064	148.678	ug/l 95
25) Chloroform	5.22	83	701049	147.247	ug/l 98
26) Cyclohexane	5.57	56	704632	151.174	ug/l # 92
29) 1,1-Dichloropropene	5.80	75	557736	146.357	ug/l 97
30) 2-Butanone	4.70	43	1730327	673.215	ug/l 97
31) 2,2-Dichloropropane	4.59	77	533282	151.508	ug/l 98
32) 1,1,1-Trichloroethane	5.49	97	612931	148.741	ug/l 99
33) Carbon Tetrachloride	5.78	117	549969	150.468	ug/l 98
34) Benzene	6.14	78	1676279	143.536	ug/l 98
35) Methacrylonitrile	5.06	41	359258	143.439	ug/l 96
36) 1,2-Dichloroethane	6.20	62	535063	140.826	ug/l 99
37) Trichloroethene	7.21	130	459000	145.064	ug/l 97
38) Methylcyclohexane	7.46	83	718680	148.334	ug/l 96
39) 1,2-Dichloropropane	7.52	63	441721	145.034	ug/l 100
40) Dibromomethane	7.66	93	279723	144.793	ug/l 93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX030819\
 Data File : VX007924.D
 Acq On : 08 Mar 2019 11:40
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Quant Time: Mar 09 03:46:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X030819W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 08 12:01:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	545226	149.310	ug/l	99
42) Vinyl Acetate	3.83	43	6020130	723.576	ug/l	97
43) Ethyl Acetate	4.86	43	633557	141.516	ug/l #	82
44) Isopropyl Acetate	6.46	43	1013296	148.338	ug/l	99
45) 1,4-Dioxane	7.76	88	203448	2846.691	ug/l	93
46) Methyl methacrylate	7.77	41	521962	145.287	ug/l	90
47) n-amyl Acetate	10.90	43	881890	149.833	ug/l	95
48) t-1,3-Dichloropropene	9.04	75	634077	160.330	ug/l	98
49) cis-1,3-Dichloropropene	8.44	75	694292	155.039	ug/l	96
50) 1,1,2-Trichloroethane	9.22	97	411244	139.654	ug/l	95
51) Ethyl methacrylate	9.18	69	657440	147.217	ug/l	94
52) 1,3-Dichloropropane	9.37	76	689095	141.626	ug/l	99
53) Dibromochloromethane	9.59	129	457543	151.054	ug/l	100
54) 1,2-Dibromoethane	9.68	107	442480	143.729	ug/l	99
55) 2-Chloroethyl vinyl ether	8.32	63	1500035	722.189	ug/l	99
56) Bromoform	10.86	173	376440	155.807	ug/l #	98
58) 4-Methyl-2-Pentanone	8.65	43	3060102	710.556	ug/l	99
59) 2-Hexanone	9.50	43	2373876	698.293	ug/l	98
61) Tetrachloroethene	9.34	164	425865	139.566	ug/l	97
62) Toluene	8.79	91	1781369	145.843	ug/l	100
64) Chlorobenzene	10.14	112	1123744	144.352	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.22	131	419096	150.364	ug/l	99
66) Ethyl Benzene	10.25	91	1933300	147.360	ug/l	98
67) m/p-Xylenes	10.36	106	1475997	293.403	ug/l	98
68) o-Xylene	10.70	106	718270	147.038	ug/l	99
69) Styrene	10.71	104	1193067	148.228	ug/l	99
70) Isopropylbenzene	11.02	105	1898755	145.465	ug/l	97
71) 1,1,2,2-Tetrachloroethane	11.27	83	621372	144.136	ug/l	99
72) 1,2,3-Trichloropropane	11.30	75	752075	185.077	ug/l	89
73) Bromobenzene	11.26	156	506578	145.979	ug/l	95
74) n-propylbenzene	11.36	91	2160427	146.729	ug/l	99
75) 2-Chlorotoluene	11.42	91	1274371	144.401	ug/l	95
76) 1,3,5-Trimethylbenzene	11.51	105	1589084	146.895	ug/l	98
77) t-1,4-Dichloro-2-butene	11.07	75	215953	172.004	ug/l	84
78) 4-Chlorotoluene	11.51	91	1474647	147.789	ug/l	97
79) tert-butylbenzene	12.07	119	1722722	148.396	ug/l	98
80) 1,2,4-Trimethylbenzene	11.81	105	1617126	147.288	ug/l	98
81) sec-Butylbenzene	11.94	105	1919956	147.654	ug/l	99
82) p-Isopropyltoluene	12.07	119	1722722	148.396	ug/l	98
83) 1,3-Dichlorobenzene	12.02	146	917105	148.437	ug/l	97
84) 1,4-Dichlorobenzene	12.10	146	918634	148.607	ug/l	98
85) n-Butylbenzene	12.39	91	1539762	155.090	ug/l	98
86) Hexachloroethane	12.60	117	301296	159.289	ug/l	83
87) 1,2-Dichlorobenzene	12.39	146	899315	147.283	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.00	75	139558	158.483	ug/l	99
89) 1,2,4-Trichlorobenzene	13.65	180	685025	156.105	ug/l	98
90) Hexachlorobutadiene	13.78	225	358563	148.151	ug/l	98
91) Naphthalene	13.83	128	1974049	156.932	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	672781	154.243	ug/l	99

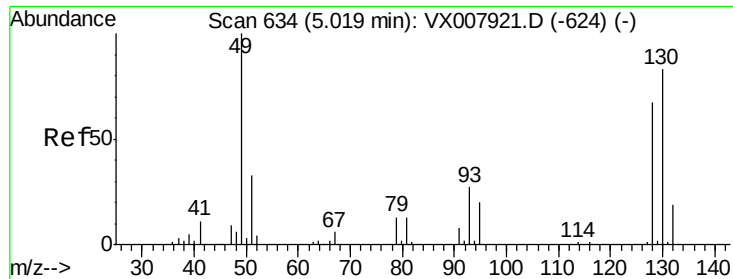
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX030819\
Data File : VX007924.D
Acq On : 08 Mar 2019 11:40
Operator : JC/SP
Sample : VSTDICC150
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Quant Time: Mar 09 03:46:04 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X030819W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Mar 08 12:01:36 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

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



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.02 min Scan# 634

Delta R.T. 0.00 min

Lab File: VX007924.D

Acq: 08 Mar 2019 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

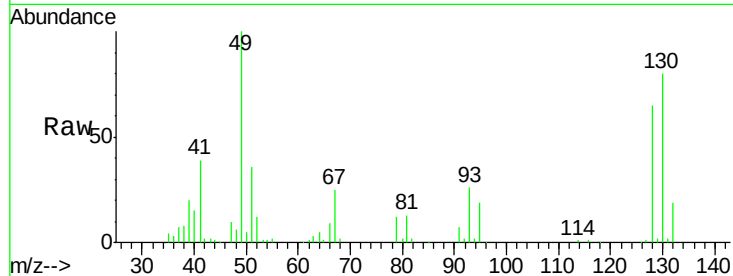
Tot Ion:128 Resp: 42615

Ion Ratio Lower Upper

128 100

49 165.0 0.0 350.8

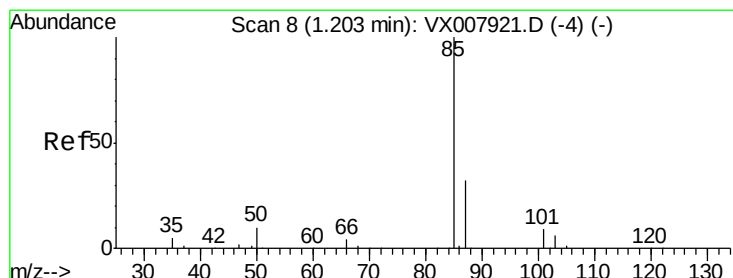
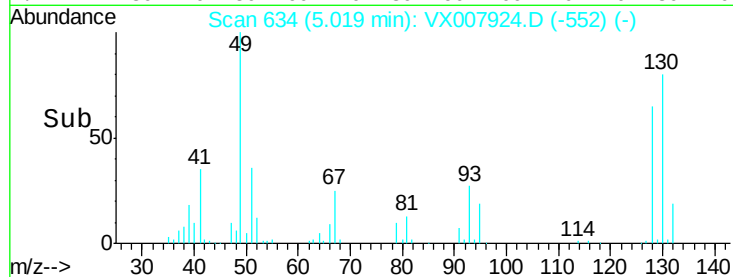
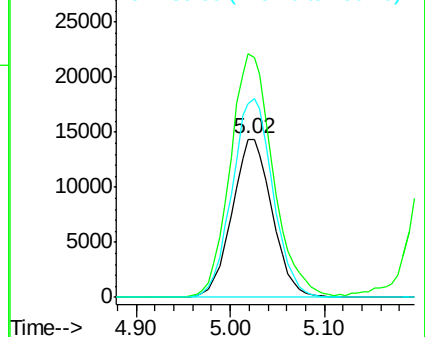
130 127.9 0.0 325.8



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: 144.429 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.01 min

Lab File: VX007924.D

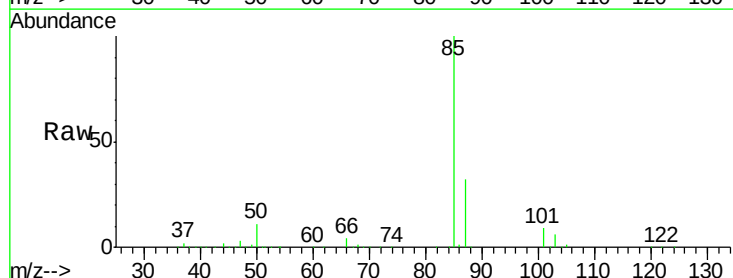
Acq: 08 Mar 2019 11:40

Tgt Ion: 85 Resp: 365391

Ion Ratio Lower Upper

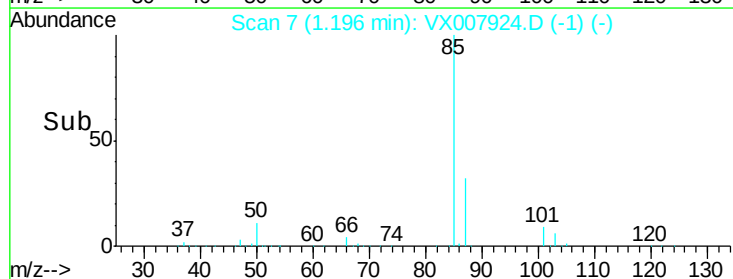
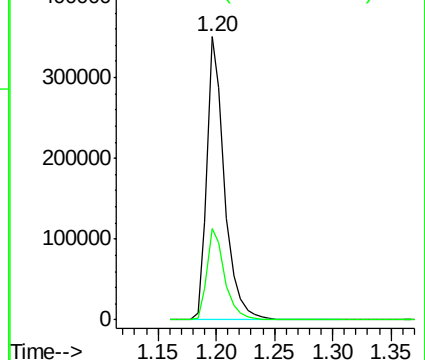
85 100

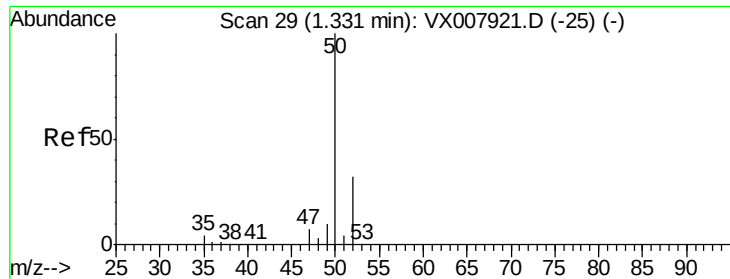
87 32.5 16.6 49.8



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 135.328 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007924.D

Acq: 08 Mar 2019 11:40

Instrument :

MSVOA_X

ClientSampleId :

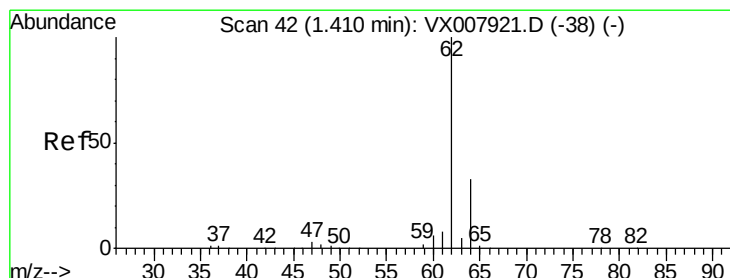
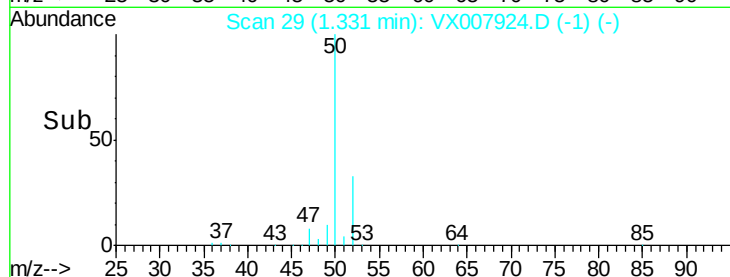
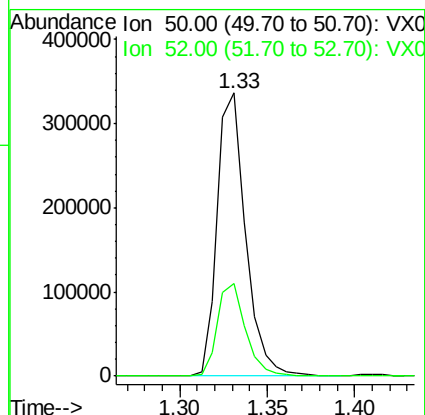
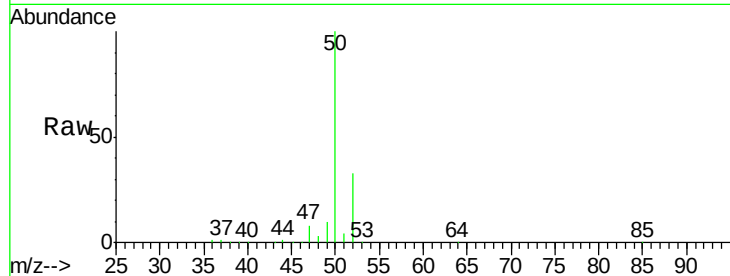
VSTDIC150

Tot Ion: 50 Resp: 380711

Ion Ratio Lower Upper

50 100

52 32.9 27.5 41.3



#4

Vinyl Chloride

Concen: 142.870 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX007924.D

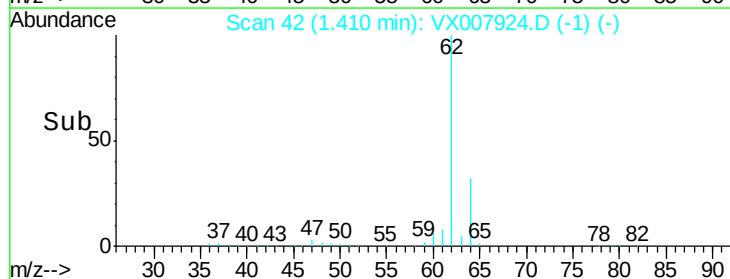
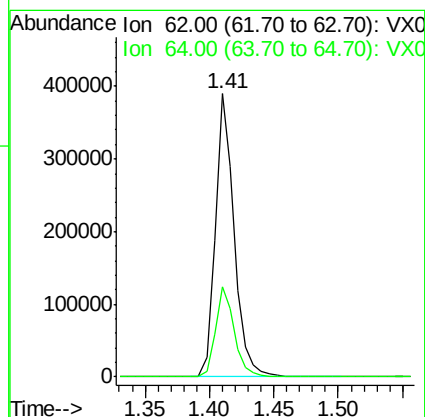
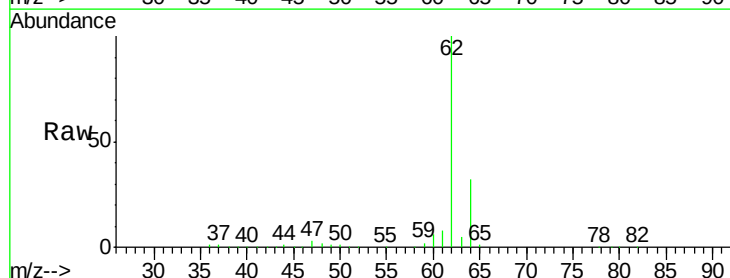
Acq: 08 Mar 2019 11:40

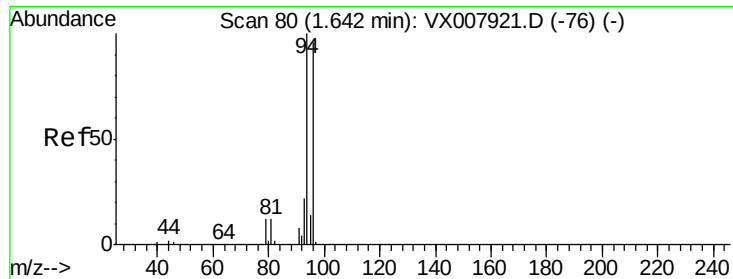
Tgt Ion: 62 Resp: 398128

Ion Ratio Lower Upper

62 100

64 31.7 25.9 38.9





#5

Bromomethane

Concen: 134.995 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007924.D

Acq: 08 Mar 2019 11:40

Instrument :

MSVOA_X

ClientSampleId :

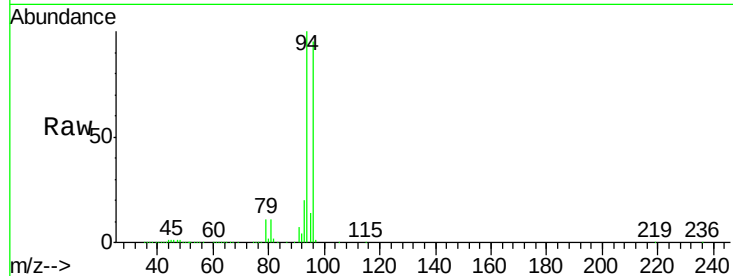
VSTDIC150

Tot Ion: 94 Resp: 187547

Ion Ratio Lower Upper

94 100

96 95.3 75.6 113.4



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0

1.64

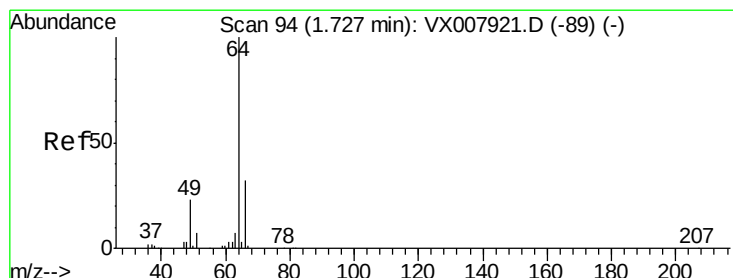
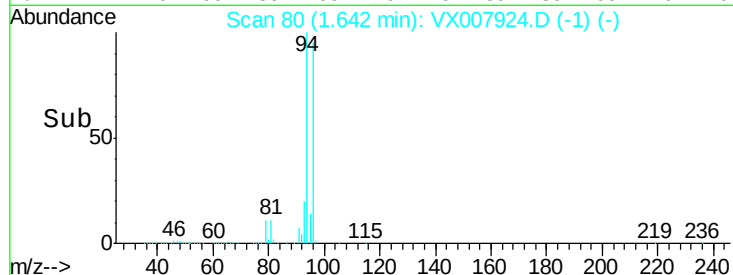
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 133.462 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.02 min

Lab File: VX007924.D

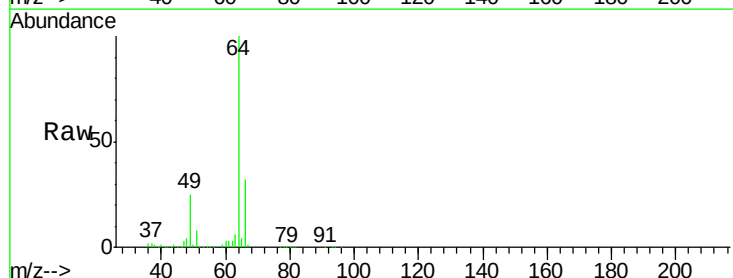
Acq: 08 Mar 2019 11:40

Tgt Ion: 64 Resp: 217203

Ion Ratio Lower Upper

64 100

66 32.1 23.9 35.9



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0

1.71

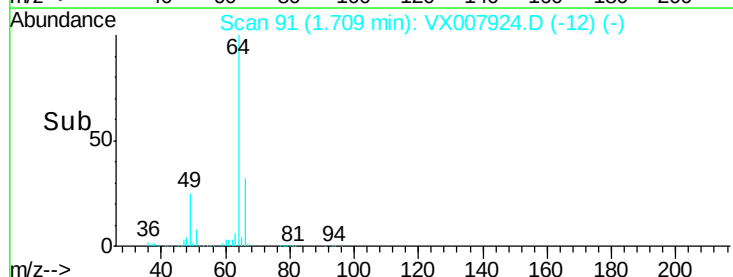
150000

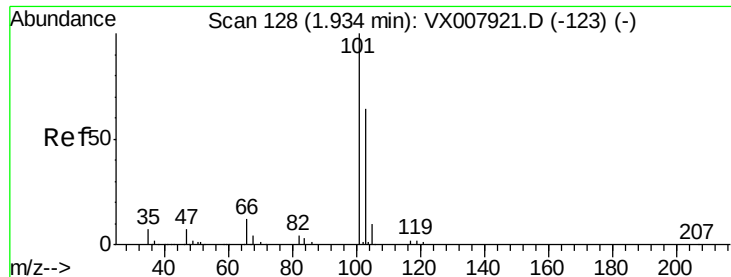
100000

50000

0

Time-->



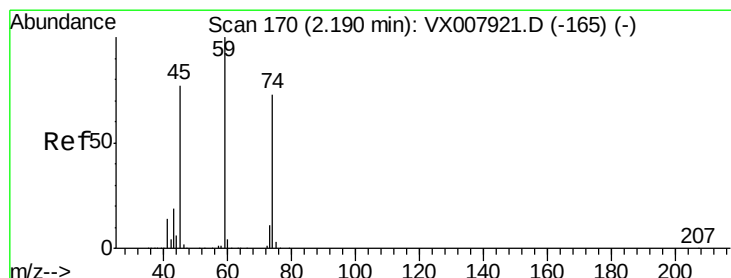
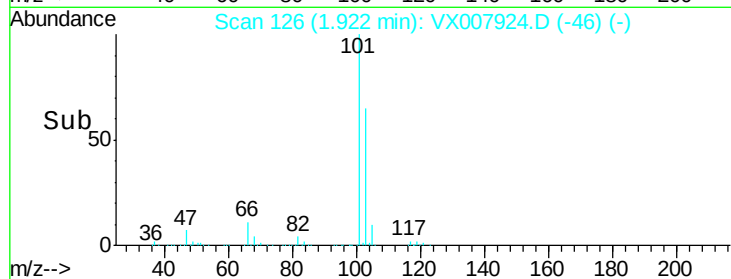
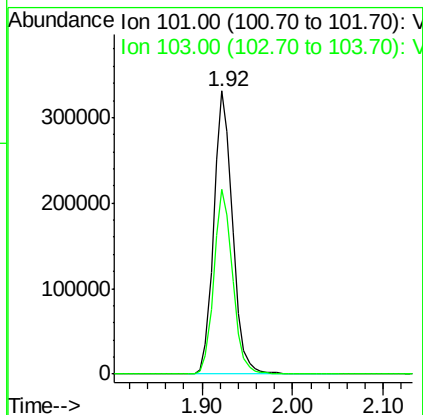
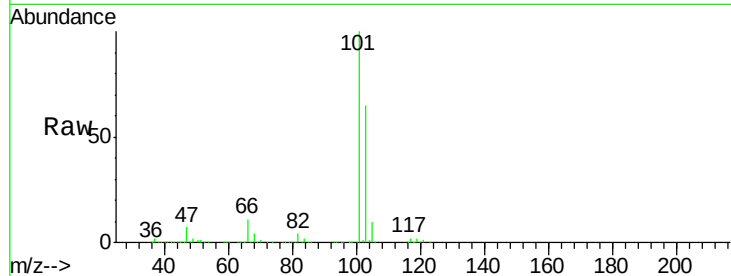


#7

Trichlorofluoromethane
Concen: 139.367 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.01 min
Lab File: VX007924.D
Acq: 08 Mar 2019 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

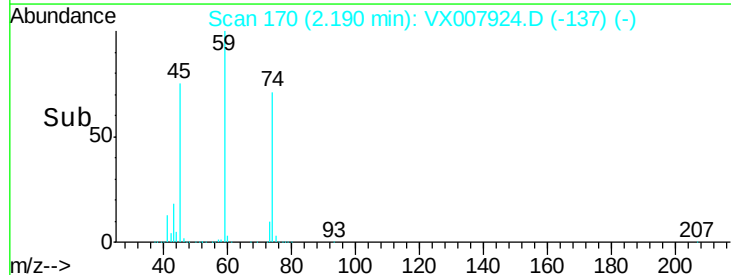
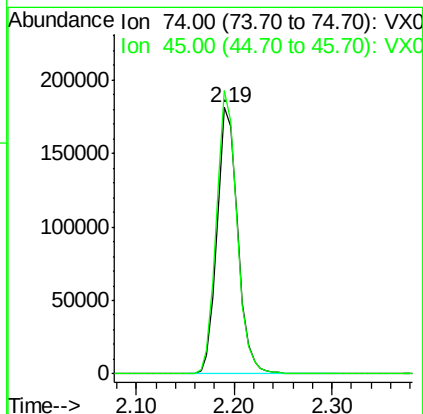
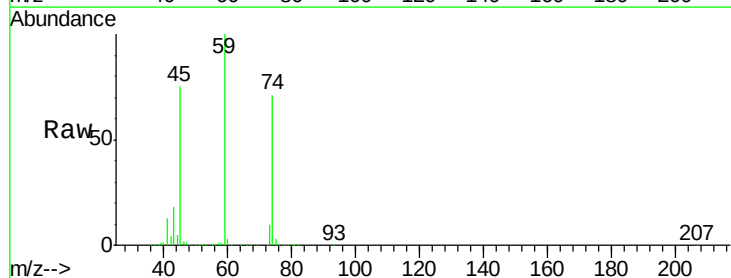
Tot Ion:101 Resp: 483615
Ion Ratio Lower Upper
101 100
103 65.2 50.4 75.6

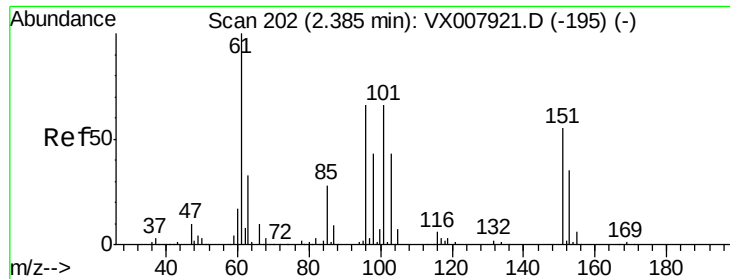


#8

Diethyl Ether
Concen: 149.632 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX007924.D
Acq: 08 Mar 2019 11:40

Tgt Ion: 74 Resp: 267400
Ion Ratio Lower Upper
74 100
45 104.7 18.6 167.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 146.232 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX007924.D

Acq: 08 Mar 2019 11:40

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

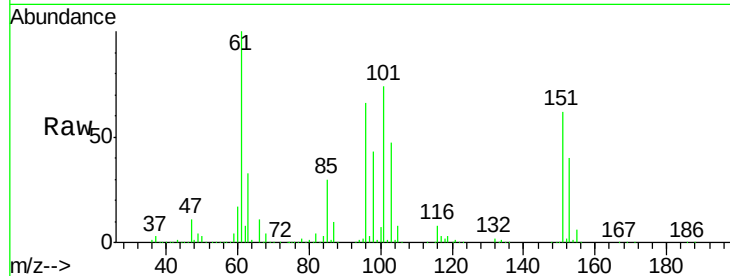
Tot Ion:101 Resp: 381503

Ion Ratio Lower Upper

101 100

85 42.0 0.0 86.8

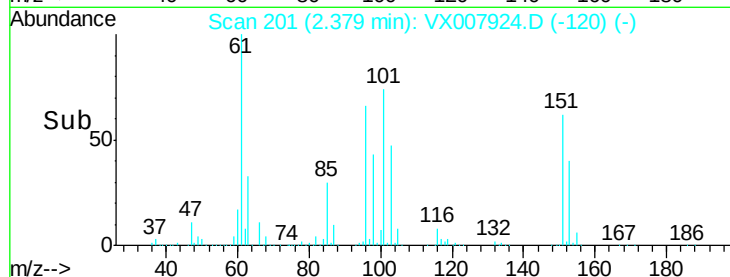
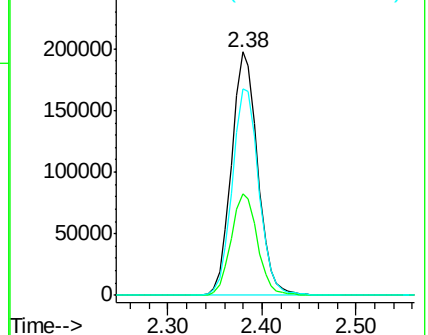
151 86.4 0.0 169.2



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: 149.889 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.01 min

Lab File: VX007924.D

Acq: 08 Mar 2019 11:40

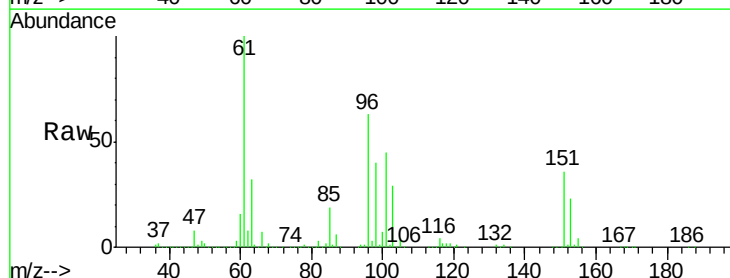
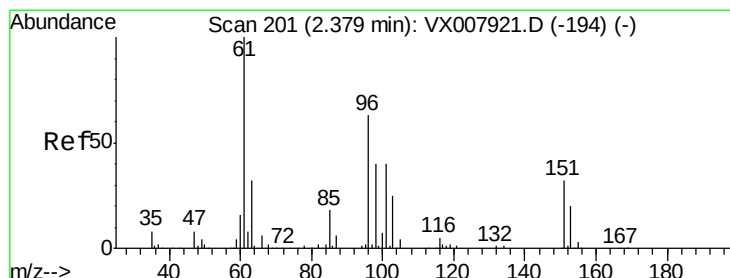
Tgt Ion: 96 Resp: 370648

Ion Ratio Lower Upper

96 100

61 158.8 120.2 180.2

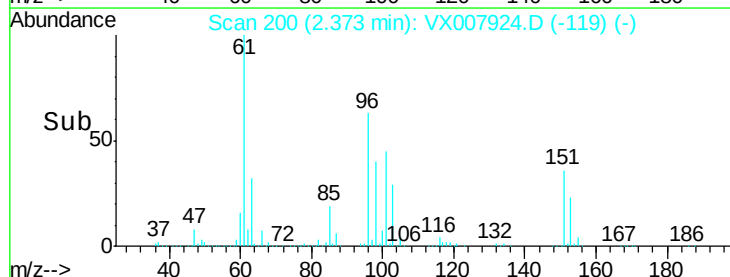
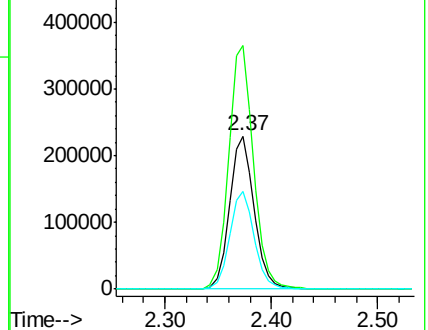
98 64.1 49.0 73.4

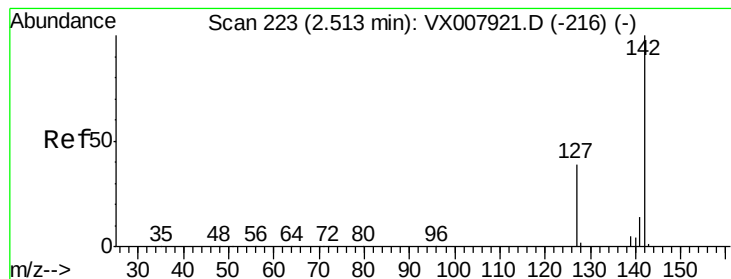


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#11

Methvl Iodide

Concen: 155.675 ug/l

RT: 2.51 min Scan# 222

Delta R.T. -0.01 min

Lab File: VX007924.D

Acq: 08 Mar 2019 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

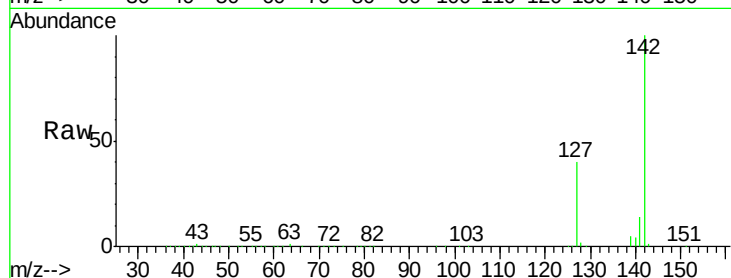
Tot Ion:142 Resp: 602613

Ion Ratio Lower Upper

142 100

127 40.1 22.1 66.5

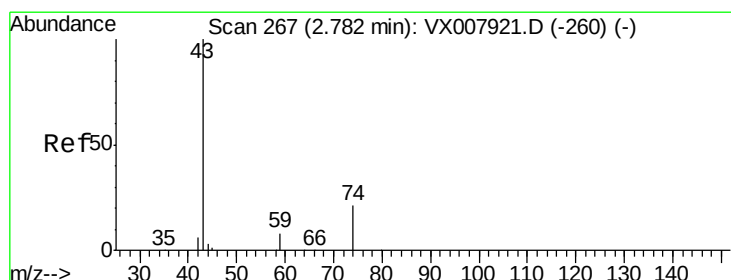
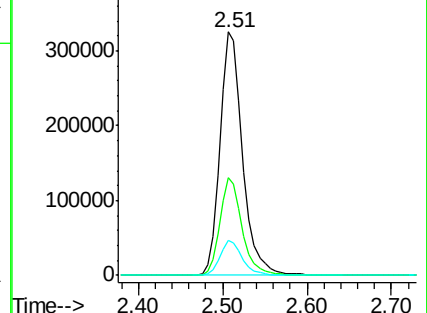
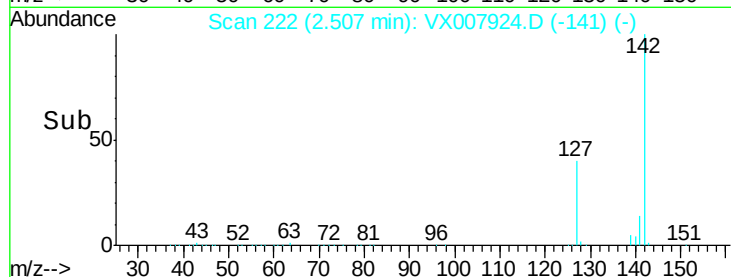
141 14.4 7.4 22.3



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



#12

Methyl Acetate

Concen: 139.921 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX007924.D

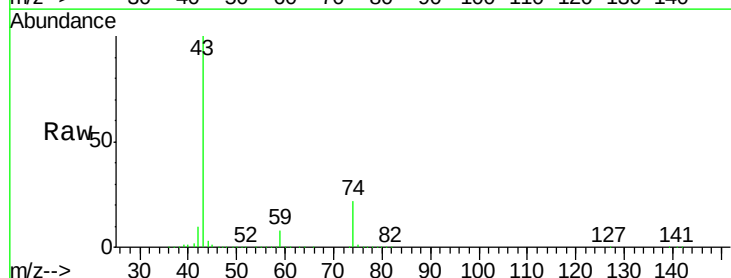
Acq: 08 Mar 2019 11:40

Tgt Ion: 43 Resp: 547214

Ion Ratio Lower Upper

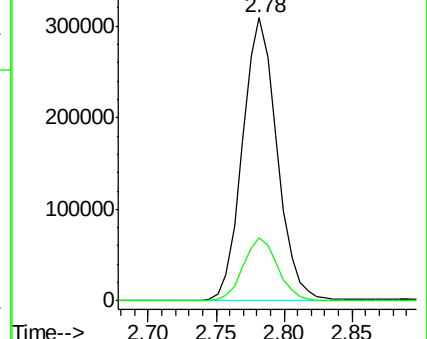
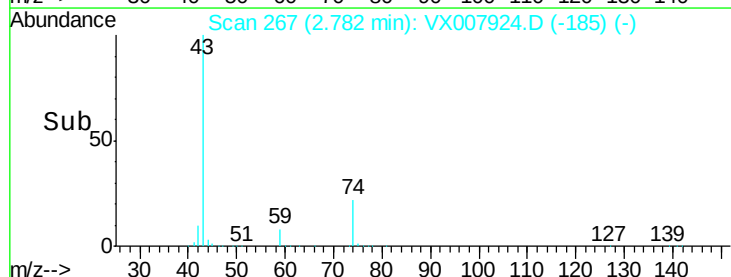
43 100

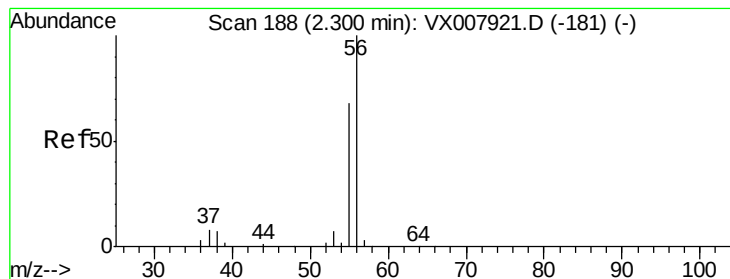
74 22.0 19.4 29.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#13

Acrolein

Concen: 748.058 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.00 min

Lab File: VX007924.D

Acq: 08 Mar 2019 11:40

Instrument :

MSVOA_X

ClientSampleId :

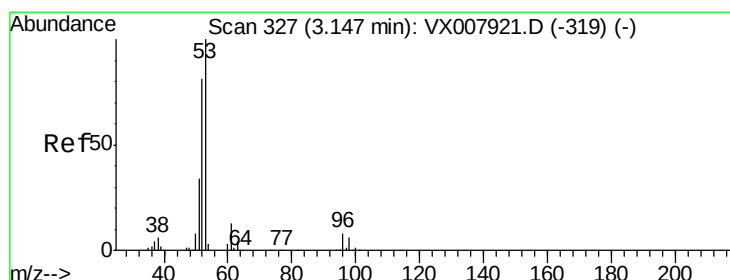
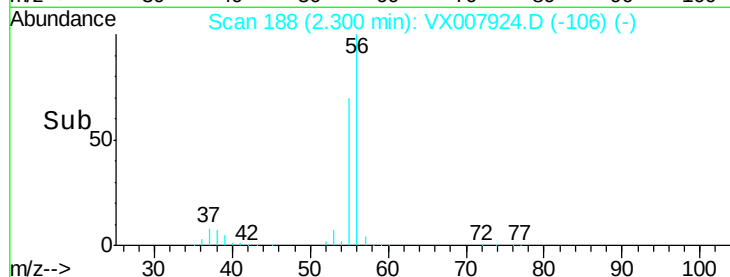
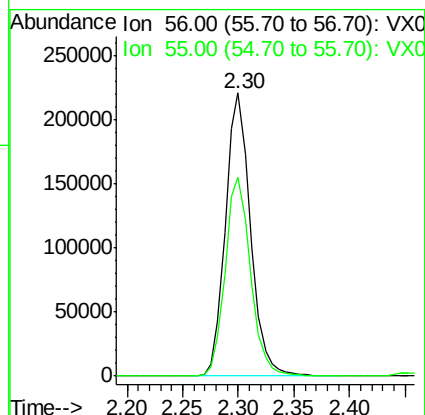
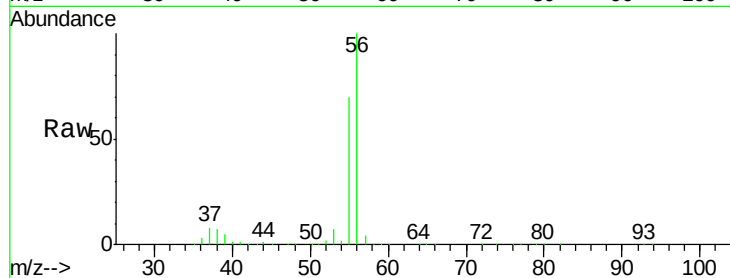
VSTDIC150

Tot Ion: 56 Resp: 343222

Ion Ratio Lower Upper

56 100

55 71.1 58.6 87.8



#14

Acrylonitrile

Concen: 726.331 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX007924.D

Acq: 08 Mar 2019 11:40

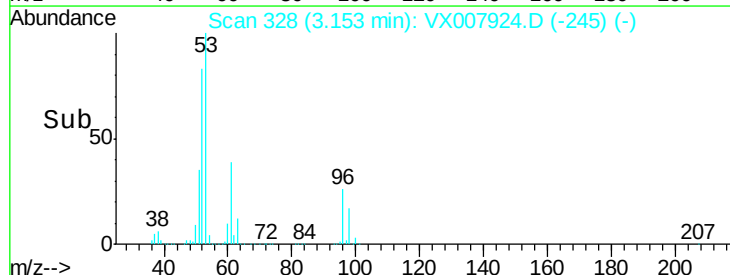
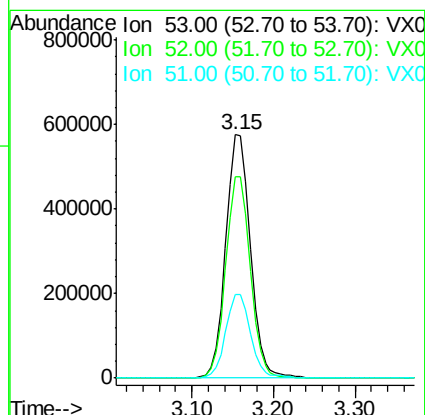
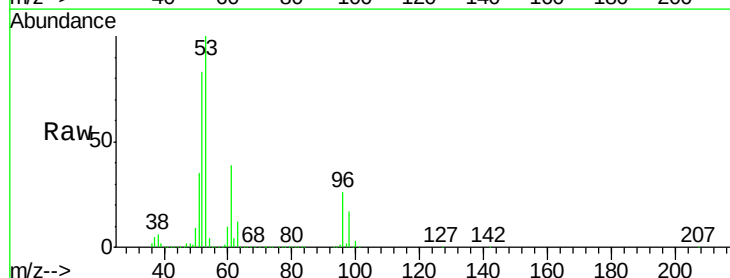
Tgt Ion: 53 Resp: 1205820

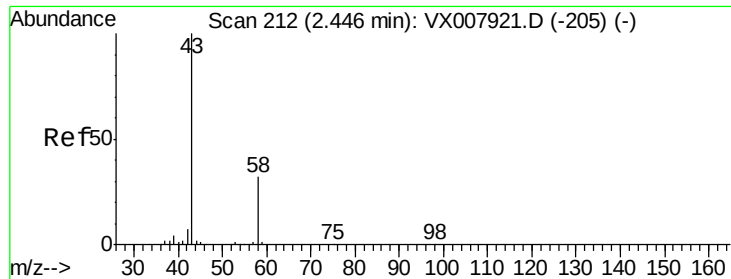
Ion Ratio Lower Upper

53 100

52 82.3 41.3 124.1

51 35.1 17.5 52.6

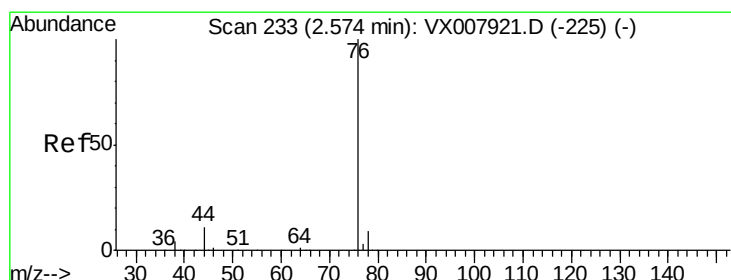
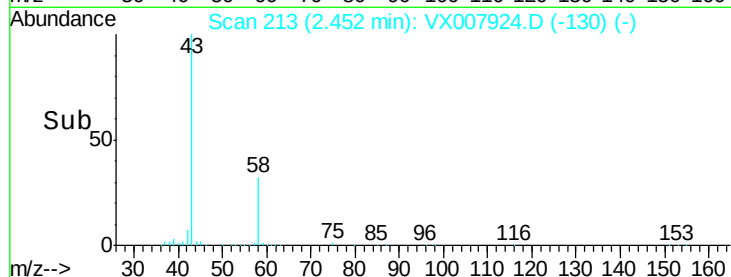
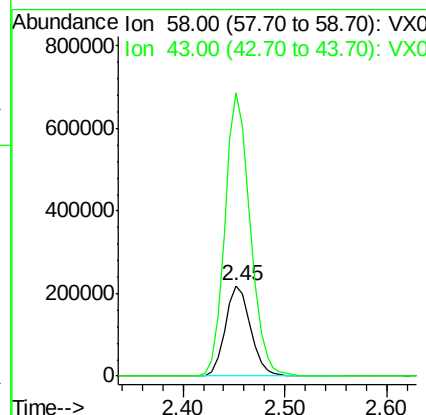
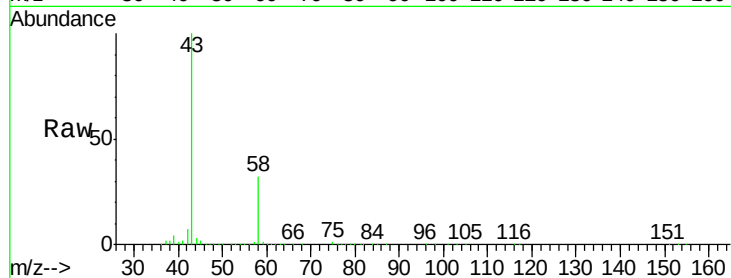




#15
 Acetone
 Concen: 629.973 ug/l
 RT: 2.45 min Scan# 213
 Delta R.T. 0.01 min
 Lab File: VX007924.D
 Acq: 08 Mar 2019 11:40

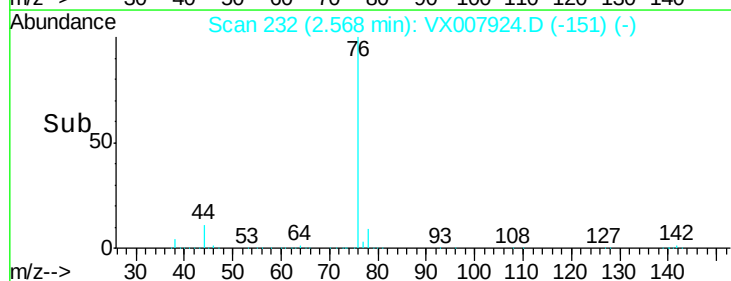
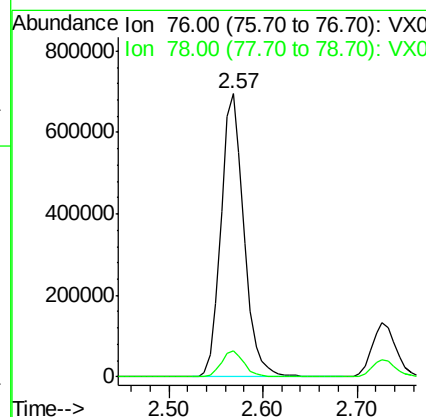
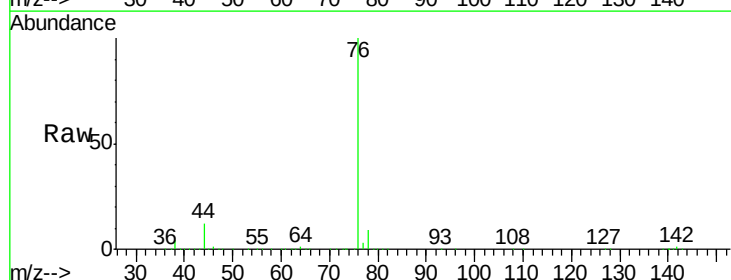
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

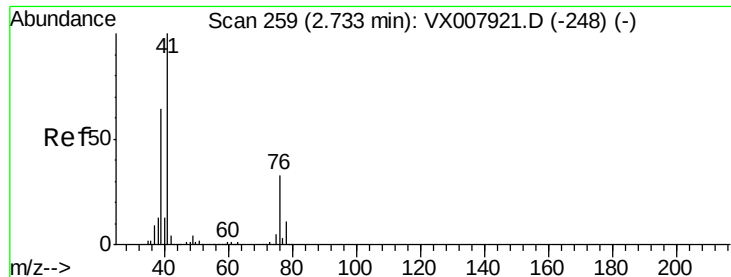
Tot Ion: 58 Resp: 377592
 Ion Ratio Lower Upper
 58 100
 43 312.2 249.8 374.6



#16
 Carbon Disulfide
 Concen: 150.899 ug/l
 RT: 2.57 min Scan# 232
 Delta R.T. -0.01 min
 Lab File: VX007924.D
 Acq: 08 Mar 2019 11:40

Tgt Ion: 76 Resp: 1170722
 Ion Ratio Lower Upper
 76 100
 78 9.2 7.5 11.3

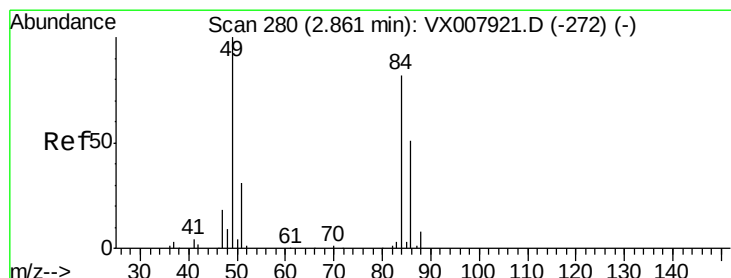
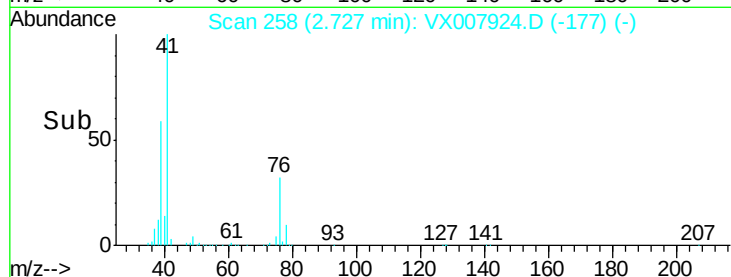
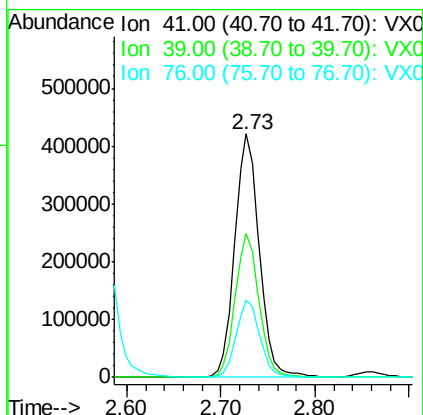
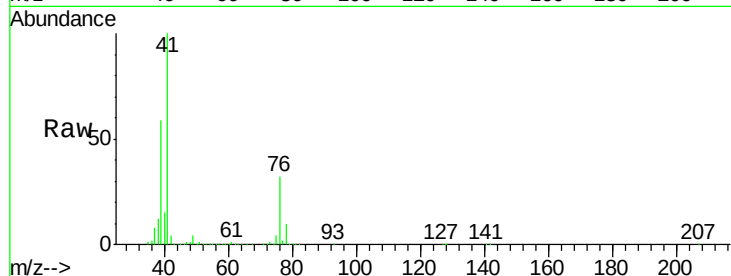




#17
 Allvl chloride
 Concen: 150.304 ug/l
 RT: 2.73 min Scan# 258
 Delta R.T. -0.01 min
 Lab File: VX007924.D
 Acq: 08 Mar 2019 11:40

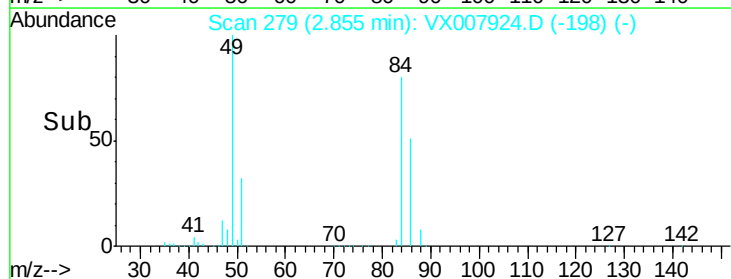
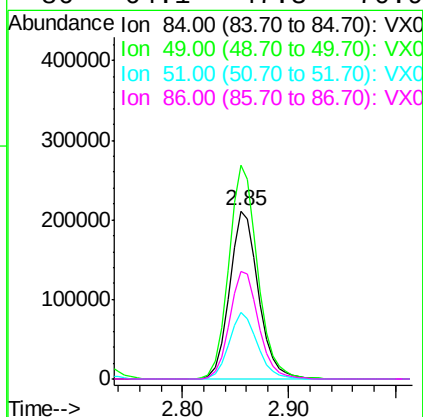
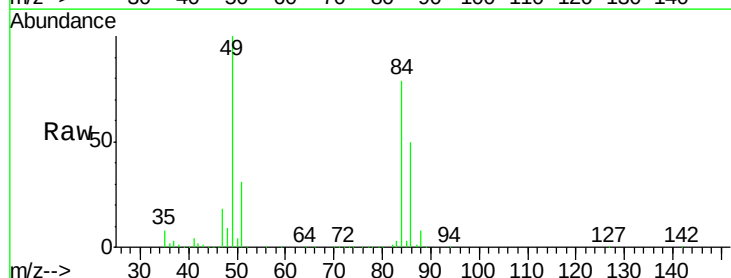
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

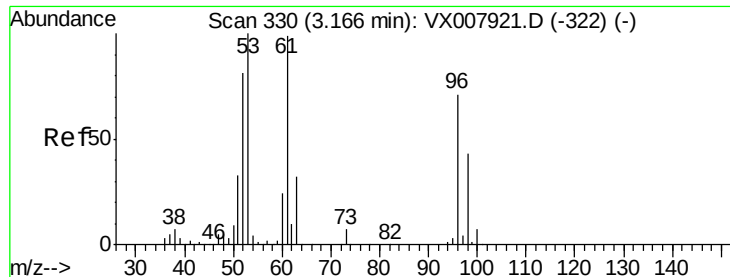
Tot Ion: 41 Resp: 762001
 Ion Ratio Lower Upper
 41 100
 39 59.0 35.8 107.4
 76 31.7 18.3 54.9



#18
 Methylene Chloride
 Concen: 142.370 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. -0.01 min
 Lab File: VX007924.D
 Acq: 08 Mar 2019 11:40

Tgt Ion: 84 Resp: 401072
 Ion Ratio Lower Upper
 84 100
 49 126.9 96.1 144.1
 51 39.3 29.1 43.7
 86 64.1 47.3 70.9

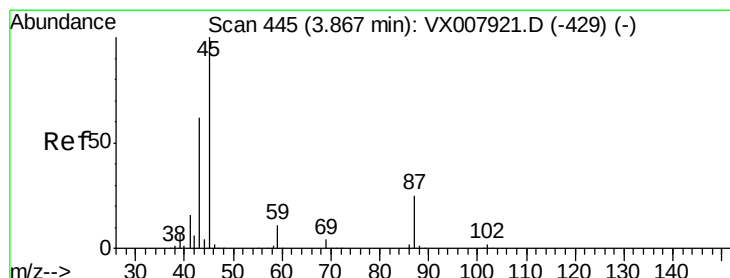
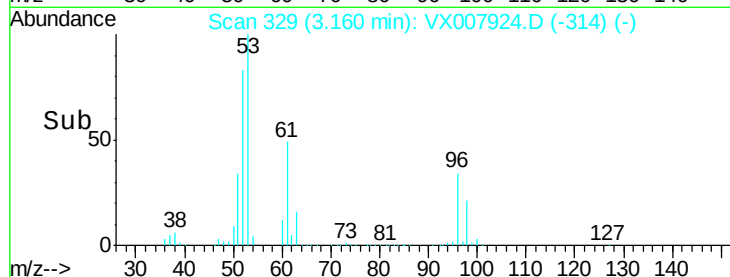
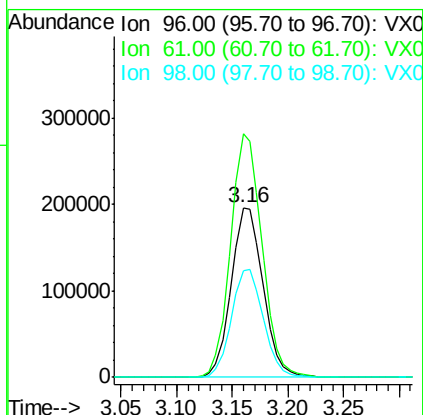
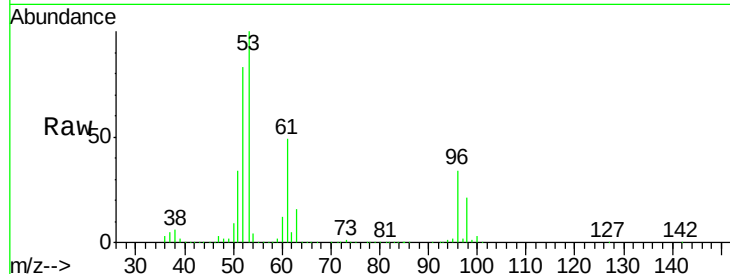




#19
trans-1,2-Dichloroethene
Concen: 148.567 ug/l
RT: 3.16 min Scan# 329
Delta R.T. -0.01 min
Lab File: VX007924.D
Acq: 08 Mar 2019 11:40

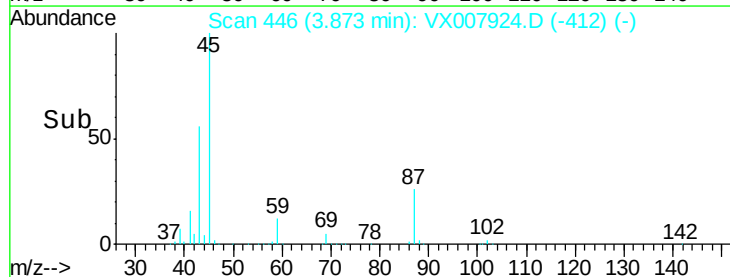
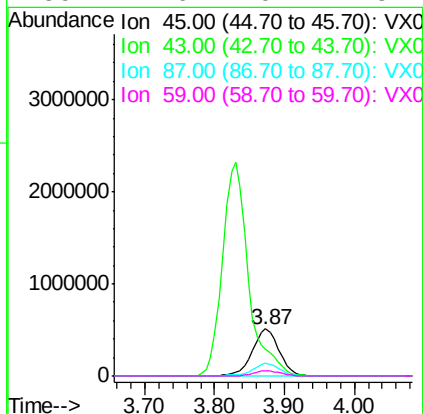
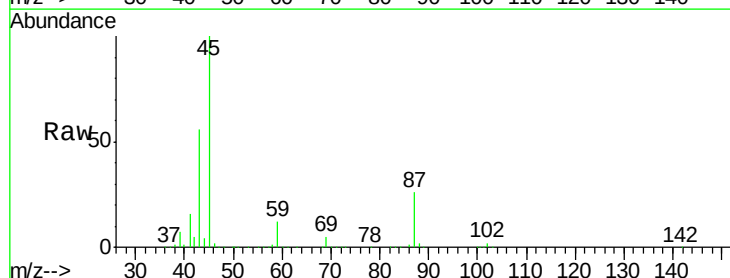
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

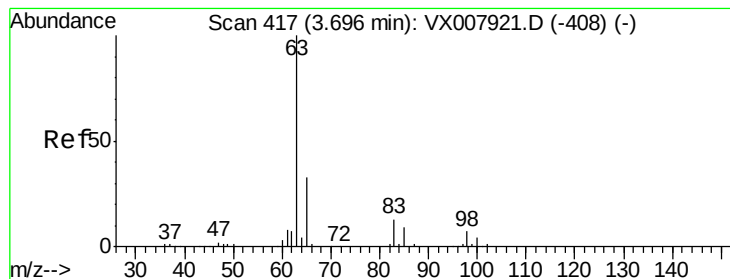
Tot Ion: 96 Resp: 388714
Ion Ratio Lower Upper
96 100
61 143.4 109.9 164.9
98 62.7 50.4 75.6



#20
Diisopropyl ether
Concen: 147.206 ug/l
RT: 3.87 min Scan# 446
Delta R.T. 0.01 min
Lab File: VX007924.D
Acq: 08 Mar 2019 11:40

Tgt Ion: 45 Resp: 1365283
Ion Ratio Lower Upper
45 100
43 56.4 50.6 76.0
87 26.4 24.5 36.7
59 11.6 10.2 15.2





#21

1,1-Dichloroethane

Concen: 146.891 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX007924.D

Acq: 08 Mar 2019 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

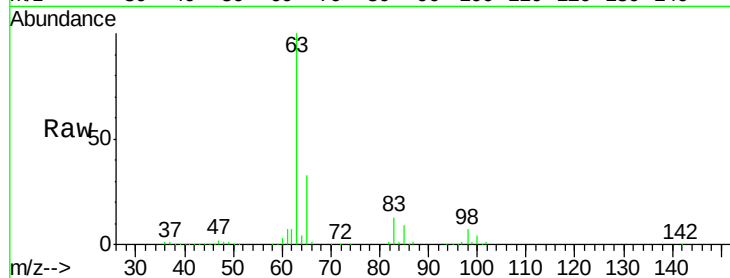
Tot Ion: 63 Resp: 740938

Ion Ratio Lower Upper

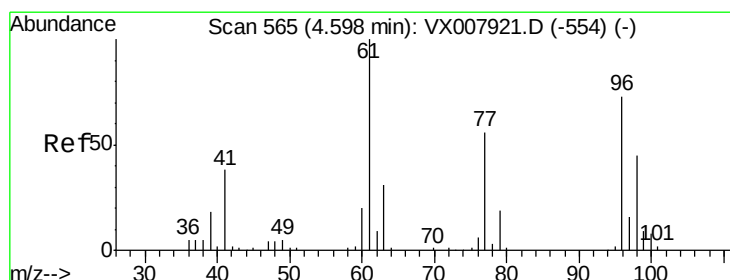
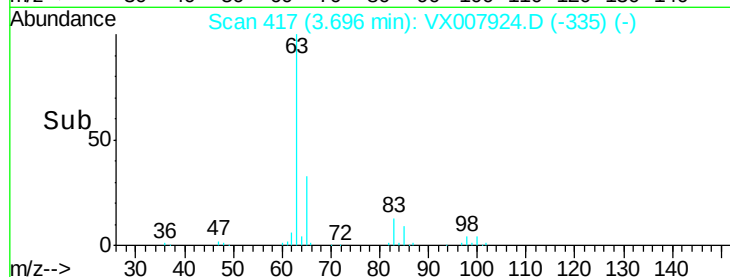
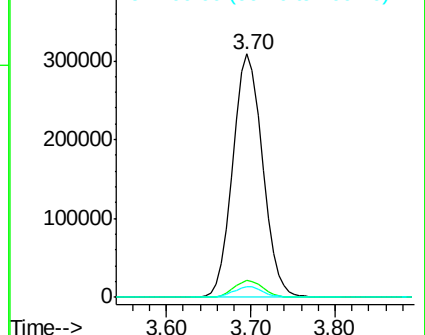
63 100

98 6.9 3.8 11.4

100 4.2 2.4 7.1



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: 149.240 ug/l

RT: 4.60 min Scan# 565

Delta R.T. 0.00 min

Lab File: VX007924.D

Acq: 08 Mar 2019 11:40

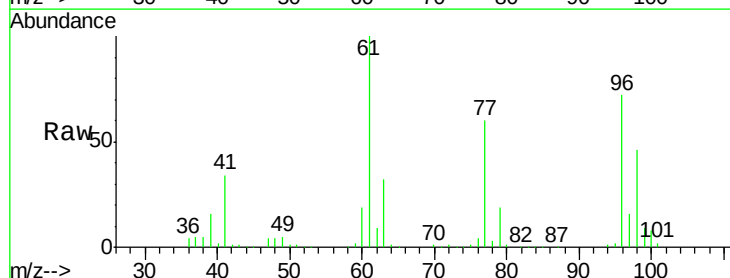
Tgt Ion: 96 Resp: 450422

Ion Ratio Lower Upper

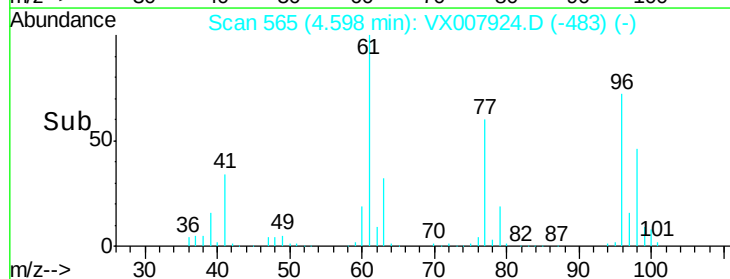
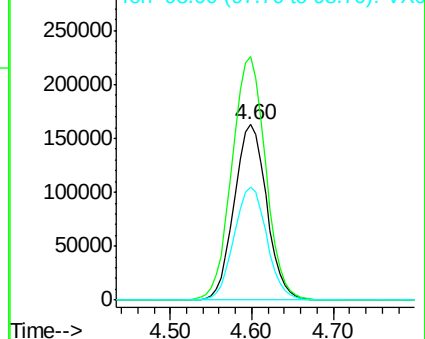
96 100

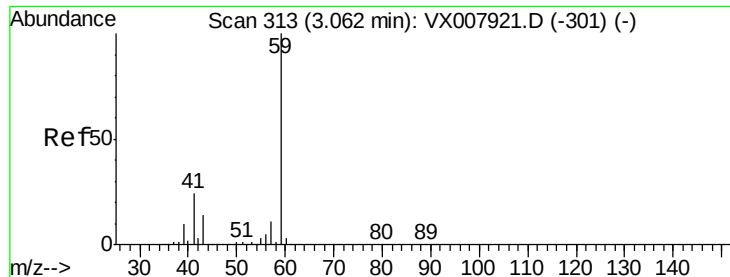
61 143.6 103.5 155.3

98 64.8 52.1 78.1



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



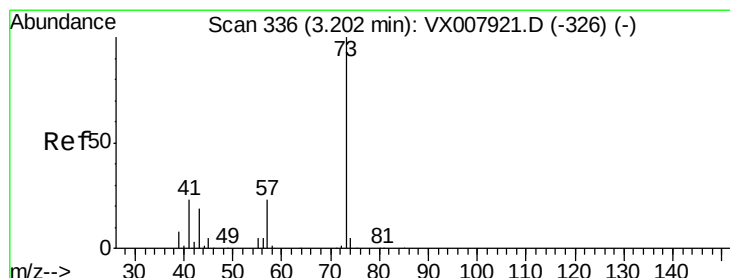
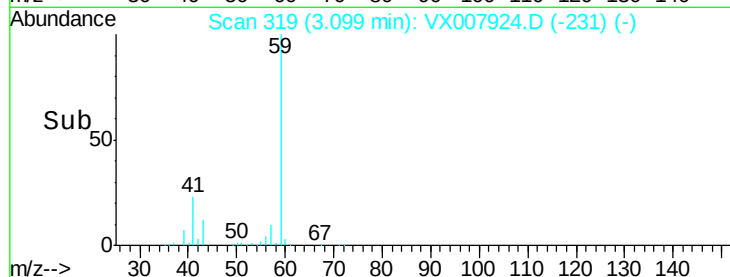
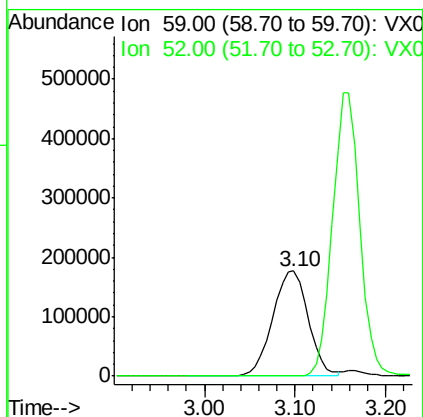
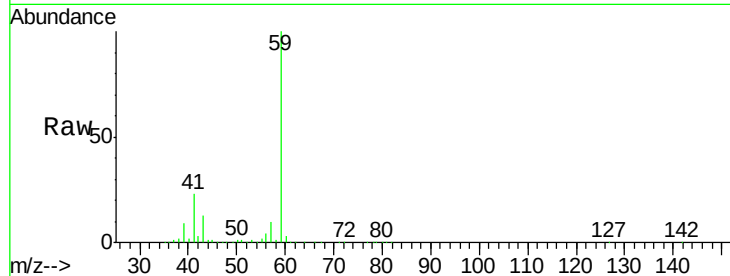


#23

tert-Butyl Alcohol
 Concen: 719.738 ug/l
 RT: 3.10 min Scan# 319
 Delta R.T. 0.04 min
 Lab File: VX007924.D
 Acq: 08 Mar 2019 11:40

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC150

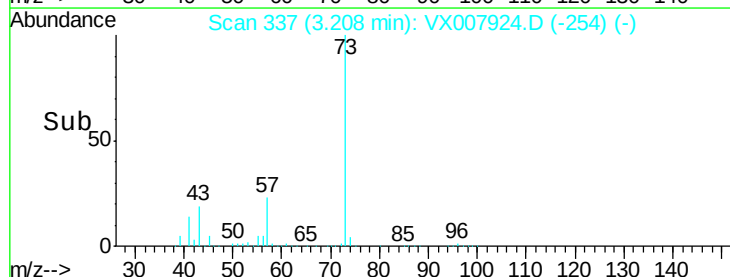
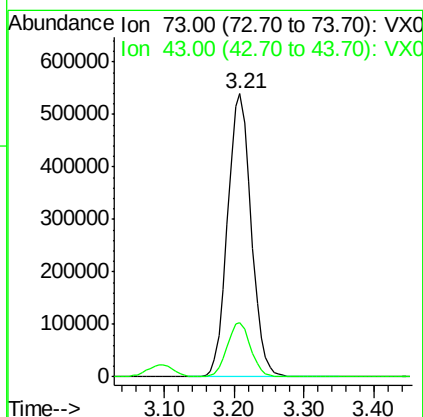
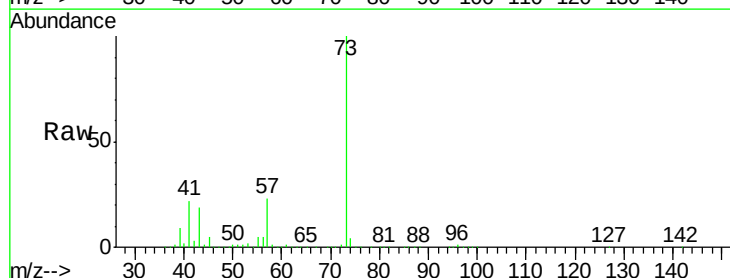
Tot Ion: 59 Resp: 482048
 Ion Ratio Lower Upper
 59 100
 52 0.1 0.2 0.2#

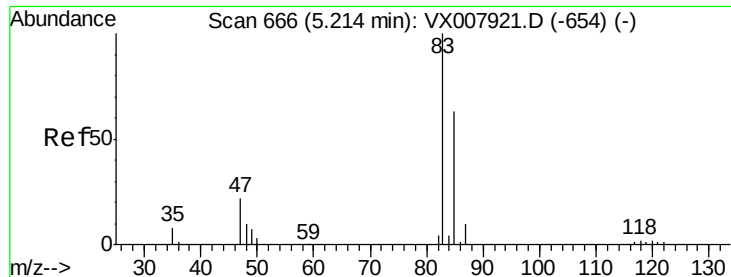


#24

Methyl tert-Butyl Ether
 Concen: 148.678 ug/l
 RT: 3.21 min Scan# 337
 Delta R.T. 0.01 min
 Lab File: VX007924.D
 Acq: 08 Mar 2019 11:40

Tgt Ion: 73 Resp: 1264064
 Ion Ratio Lower Upper
 73 100
 43 19.0 17.1 25.7





#25

Chloroform

Concen: 147.247 ug/l

RT: 5.22 min Scan# 667

Delta R.T. 0.01 min

Lab File: VX007924.D

Acq: 08 Mar 2019 11:40

Instrument :

MSVOA_X

ClientSampled :

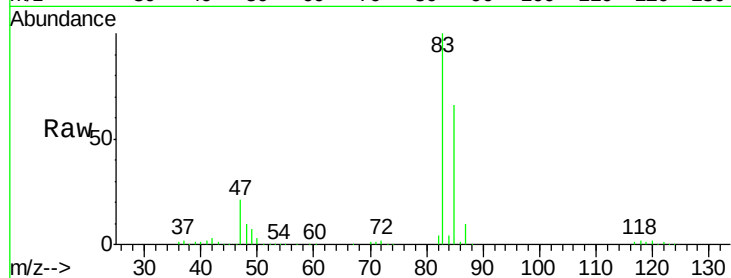
VSTDIC150

Tot Ion: 83 Resp: 701049

Ion Ratio Lower Upper

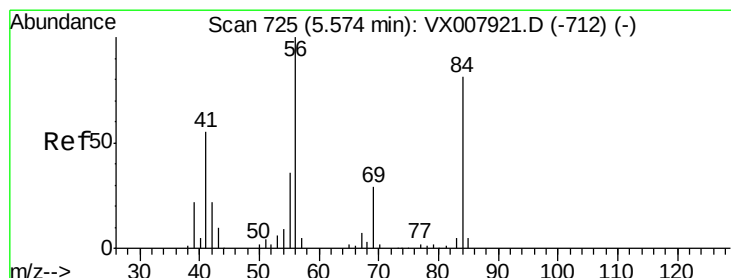
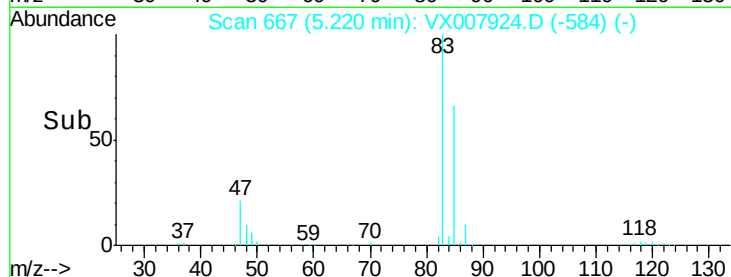
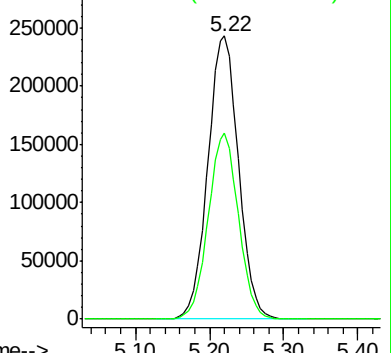
83 100

85 65.7 53.8 80.6



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



#26

Cyclohexane

Concen: 151.174 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX007924.D

Acq: 08 Mar 2019 11:40

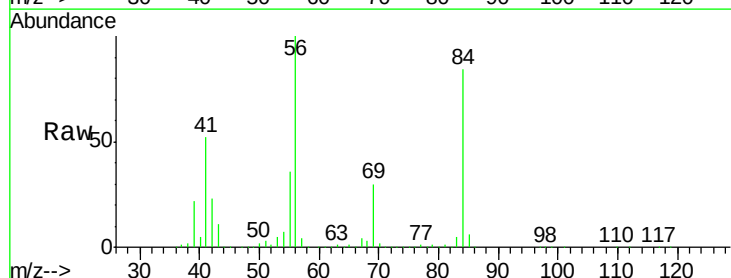
Tgt Ion: 56 Resp: 704632

Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

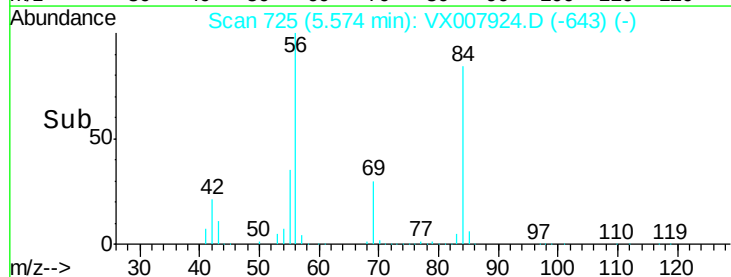
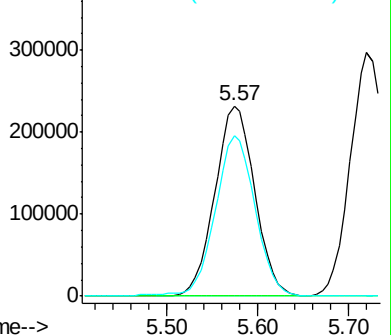
84 84.9 73.9 110.9

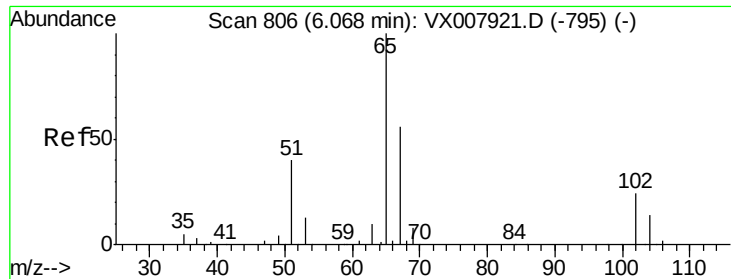


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 89.00 (88.70 to 89.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#27

1,2-Dichloroethane-d4

Concen: 30.335 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007924.D

Acq: 08 Mar 2019 11:40

Instrument :

MSVOA_X

ClientSampleId :

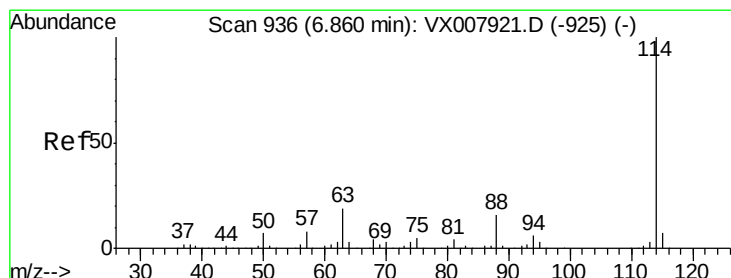
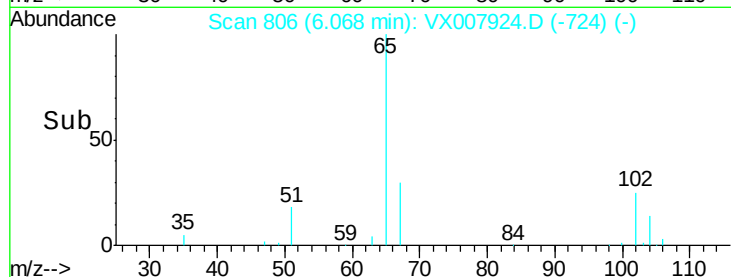
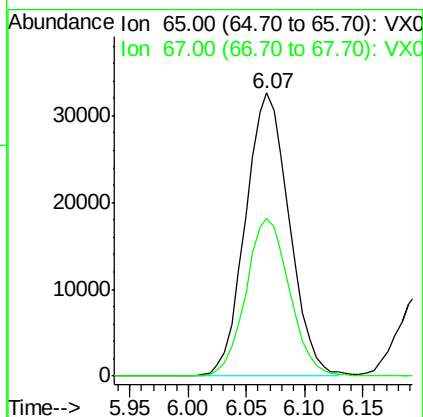
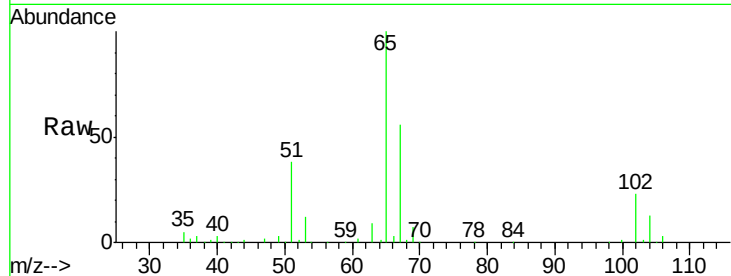
VSTDIC150

Tot Ion: 65 Resp: 84970

Ion Ratio Lower Upper

65 100

67 55.4 42.9 64.3



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX007924.D

Acq: 08 Mar 2019 11:40

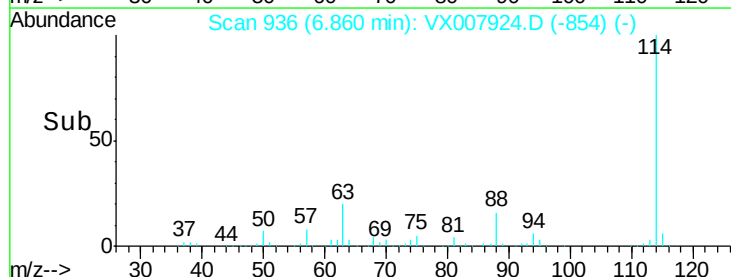
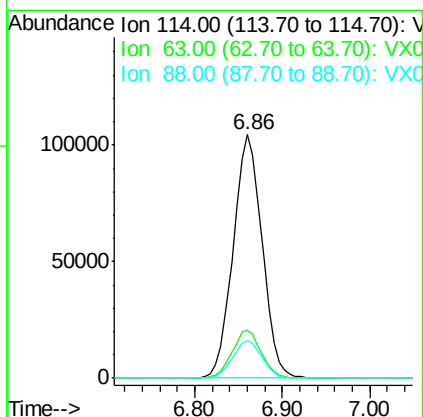
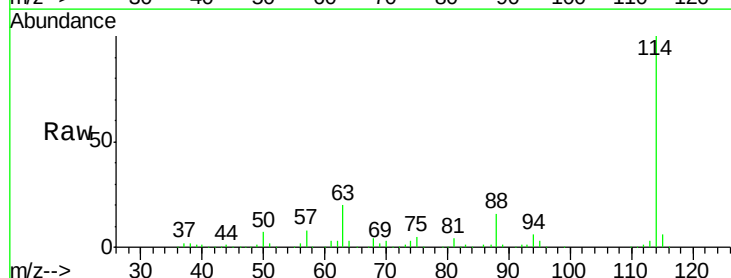
Tgt Ion: 114 Resp: 240341

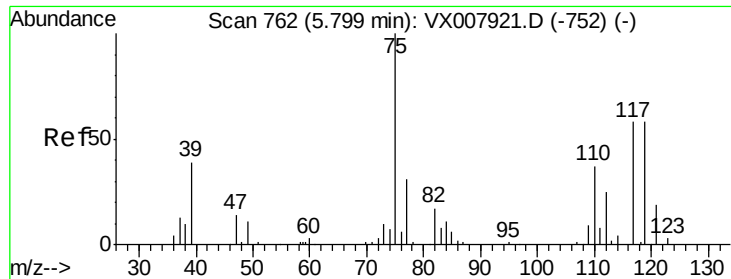
Ion Ratio Lower Upper

114 100

63 19.8 14.2 21.4

88 15.5 11.9 17.9





#29

1,1-Dichloropropene

Concen: 146.357 ug/l

RT: 5.80 min Scan# 762

Delta R.T. 0.00 min

Lab File: VX007924.D

Acq: 08 Mar 2019 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

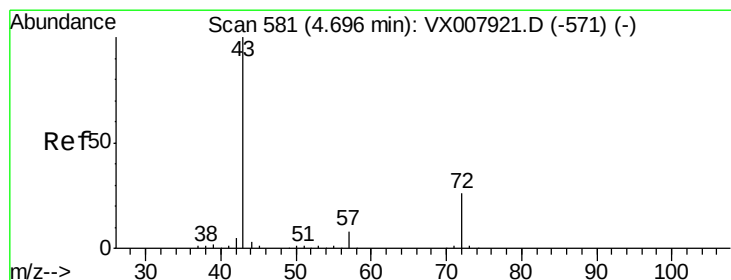
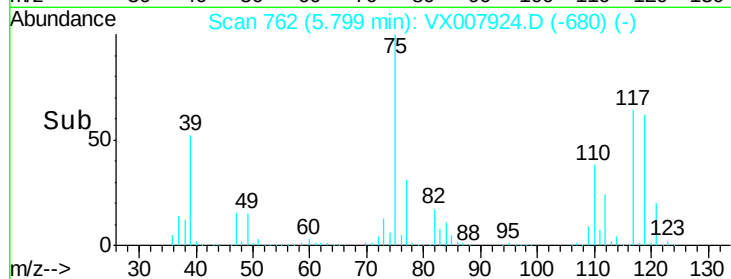
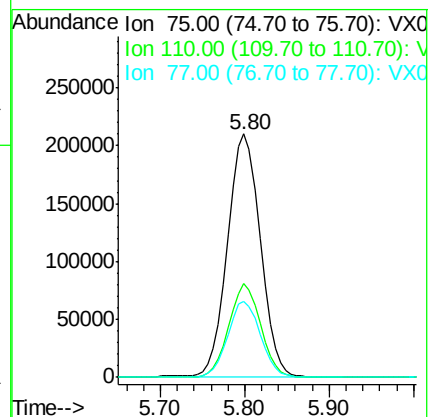
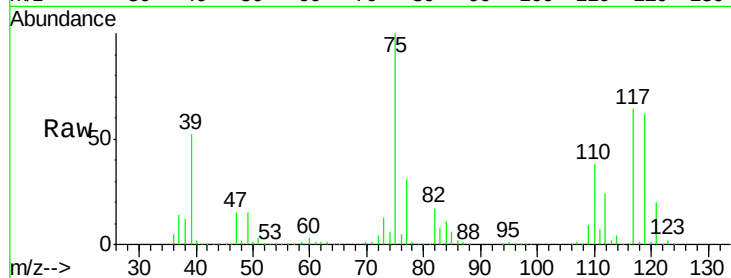
Tot Ion: 75 Resp: 557736

Ion Ratio Lower Upper

75 100

110 37.0 0.0 80.8

77 31.1 0.0 62.4



#30

2-Butanone

Concen: 673.215 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX007924.D

Acq: 08 Mar 2019 11:40

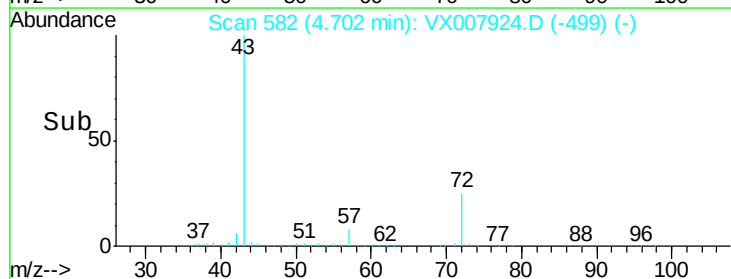
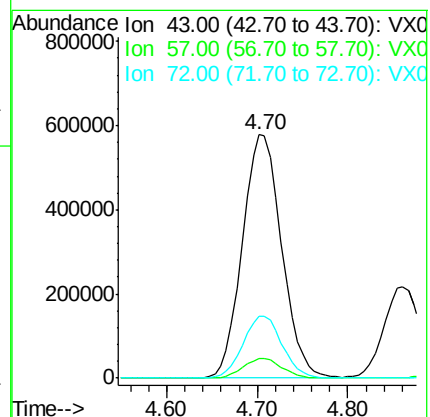
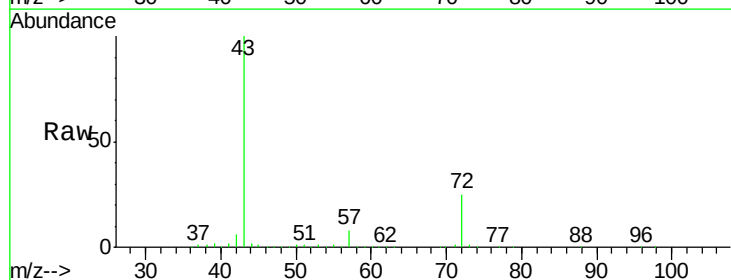
Tgt Ion: 43 Resp: 1730327

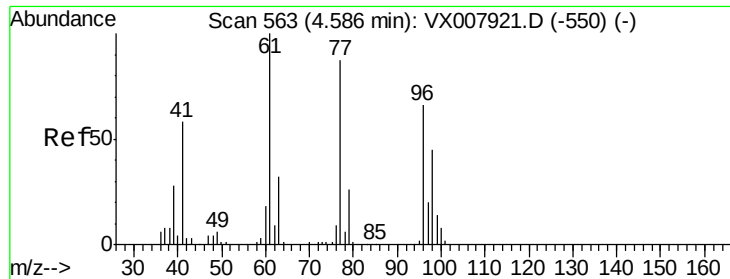
Ion Ratio Lower Upper

43 100

57 8.0 7.0 10.6

72 25.4 21.5 32.3





#31

2,2-Dichloropropane

Concen: 151.508 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX007924.D

Acq: 08 Mar 2019 11:40

Instrument :

MSVOA_X

ClientSampleId :

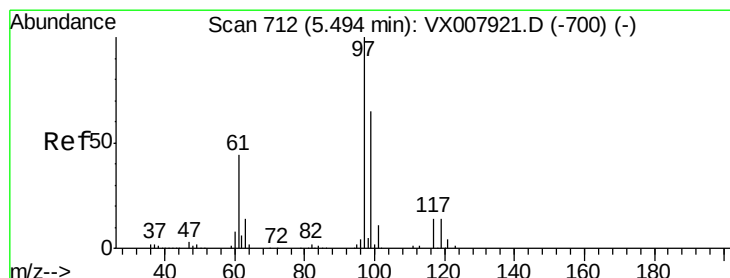
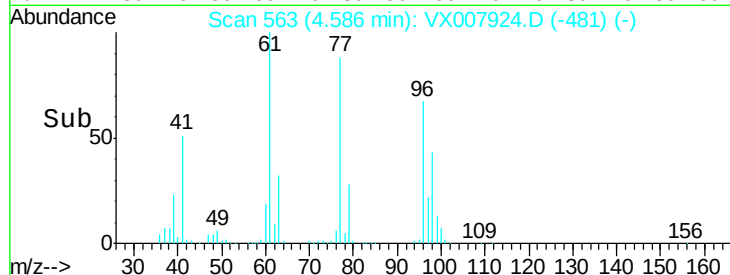
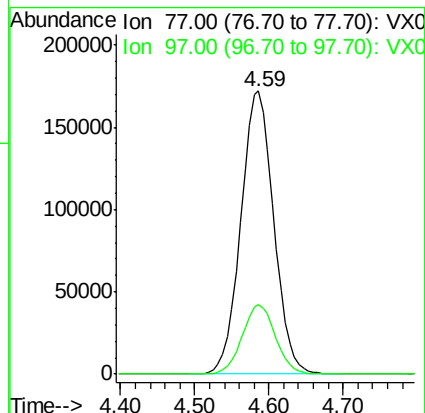
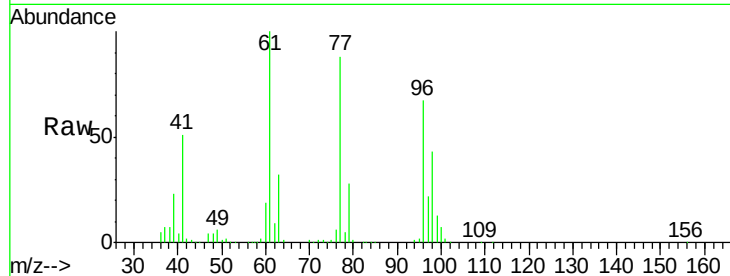
VSTDIC150

Tot Ion: 77 Resp: 533282

Ion Ratio Lower Upper

77 100

97 24.7 20.6 31.0



#32

1,1,1-Trichloroethane

Concen: 148.741 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX007924.D

Acq: 08 Mar 2019 11:40

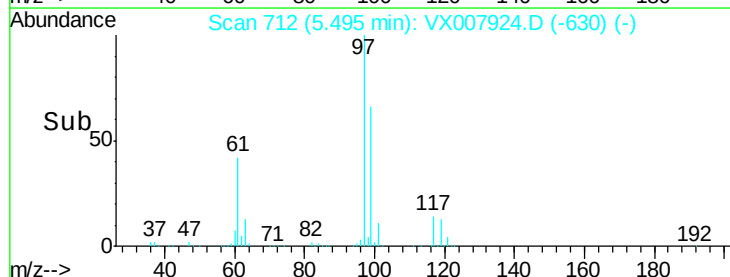
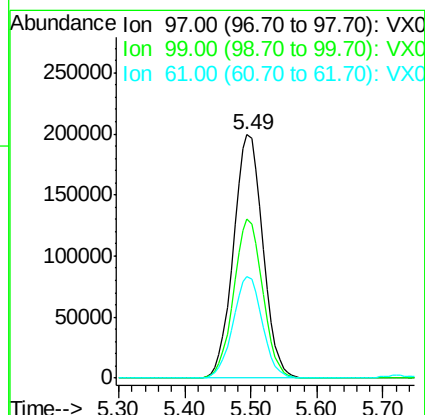
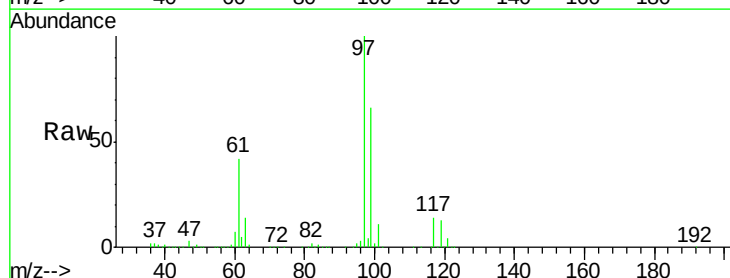
Tgt Ion: 97 Resp: 612931

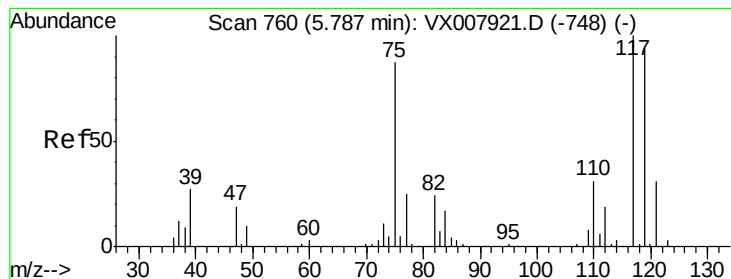
Ion Ratio Lower Upper

97 100

99 64.4 51.7 77.5

61 41.6 32.8 49.2





#33

Carbon Tetrachloride

Concen: 150.468 ug/l

RT: 5.78 min Scan# 759

Delta R.T. -0.01 min

Lab File: VX007924.D

Acq: 08 Mar 2019 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

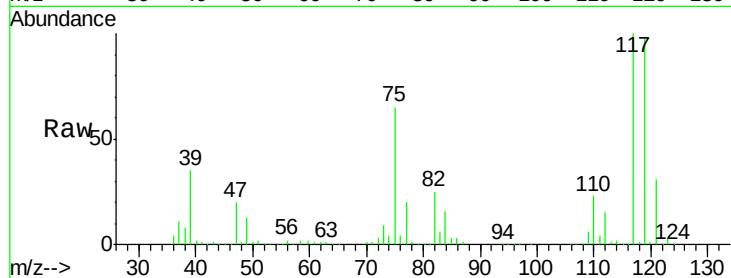
Tot Ion:117 Resp: 549969

Ion Ratio Lower Upper

117 100

119 98.1 78.1 117.1

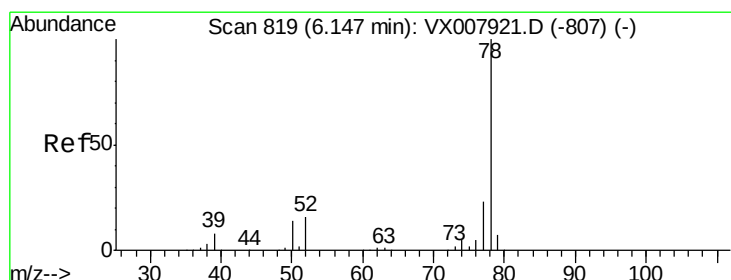
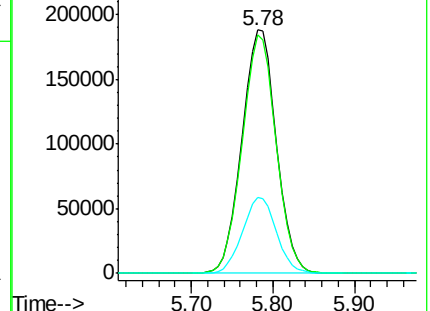
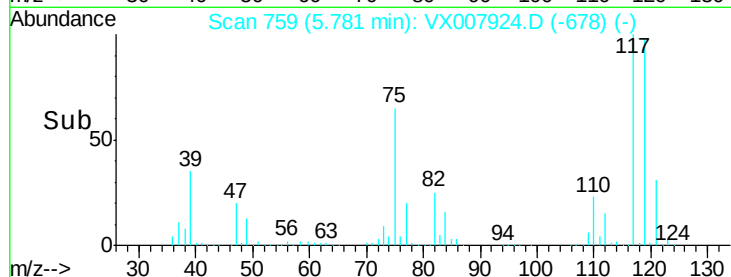
121 31.2 27.0 40.6



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: 143.536 ug/l

RT: 6.14 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX007924.D

Acq: 08 Mar 2019 11:40

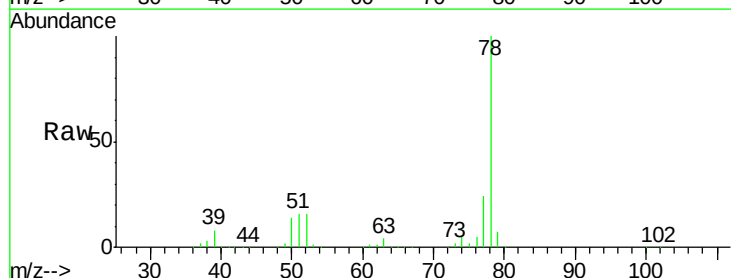
Tgt Ion: 78 Resp: 1676279

Ion Ratio Lower Upper

78 100

77 23.6 19.1 28.7

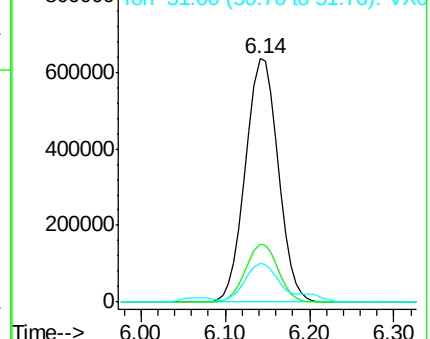
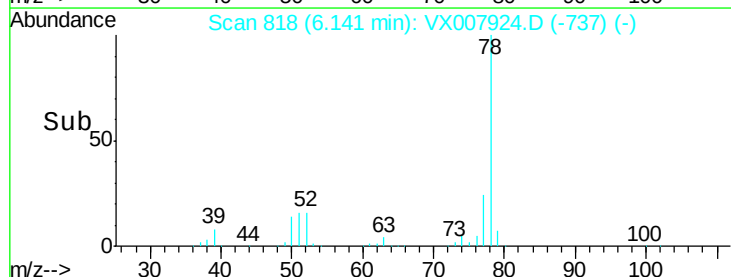
51 15.8 10.8 16.2

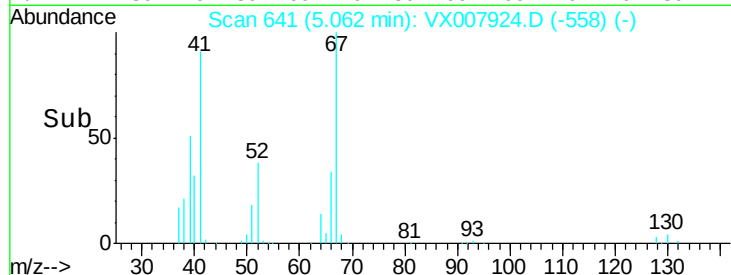
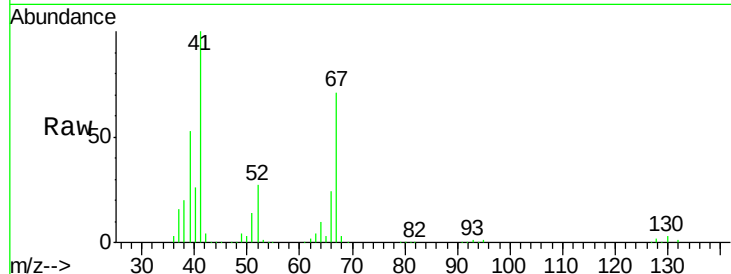
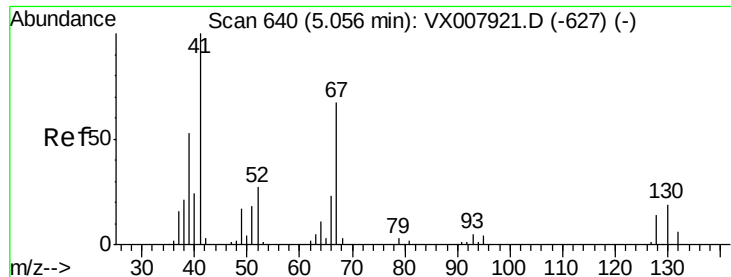


Abundance Ion 78.10 (77.80 to 78.80): VX0

Ion 77.00 (76.70 to 77.70): VX0

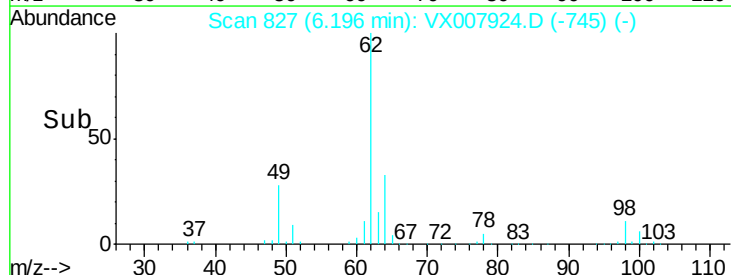
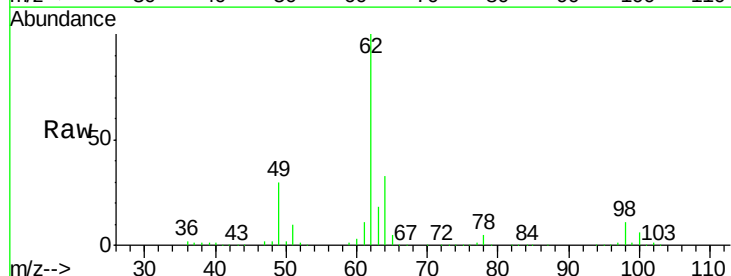
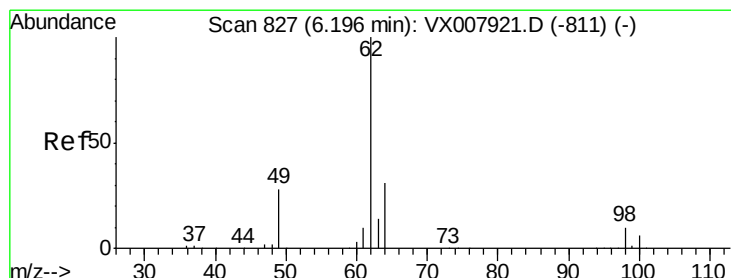
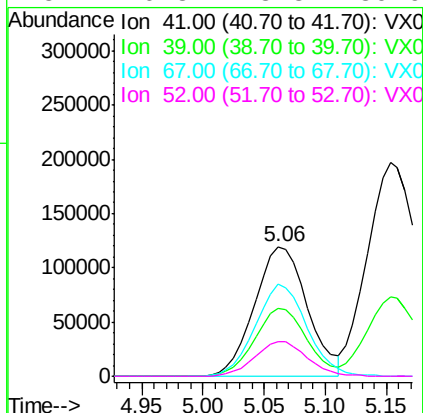
Ion 51.00 (50.70 to 51.70): VX0





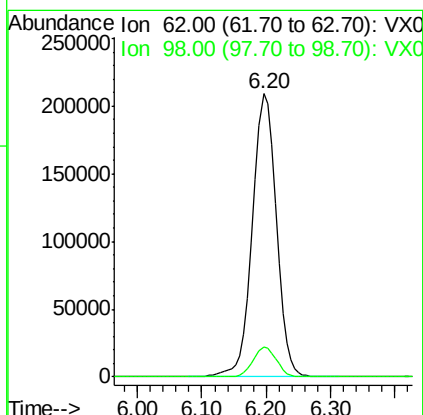
#35
Methacrylonitrile
Concen: 143.439 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.01 min
Lab File: VX007924.D
Acq: 08 Mar 2019 11:40

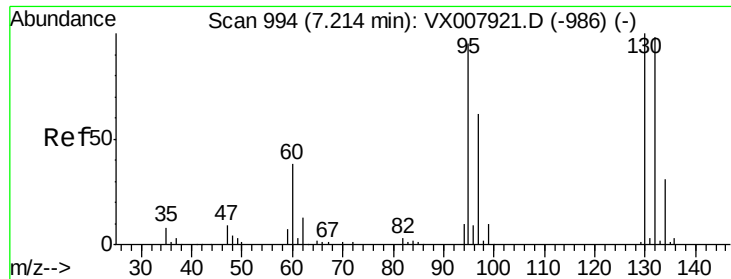
Tot Ion: 41 Resp: 359258
Ion Ratio Lower Upper
41 100
39 52.6 27.4 82.0
67 70.9 37.9 113.6
52 26.8 13.3 39.9



#36
1,2-Dichloroethane
Concen: 140.826 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX007924.D
Acq: 08 Mar 2019 11:40

Tgt Ion: 62 Resp: 535063
Ion Ratio Lower Upper
62 100
98 10.2 7.8 11.8





#37

Trichloroethene

Concen: 145.064 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX007924.D

Acq: 08 Mar 2019 11:40

Instrument :

MSVOA_X

ClientSampleId :

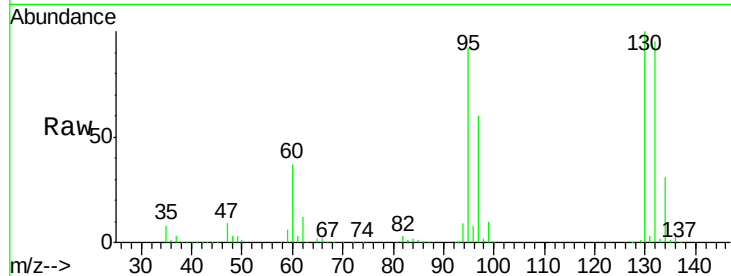
VSTDIC150

Tot Ion:130 Resp: 459000

Ion Ratio Lower Upper

130 100

95 92.2 71.3 106.9



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

250000

200000

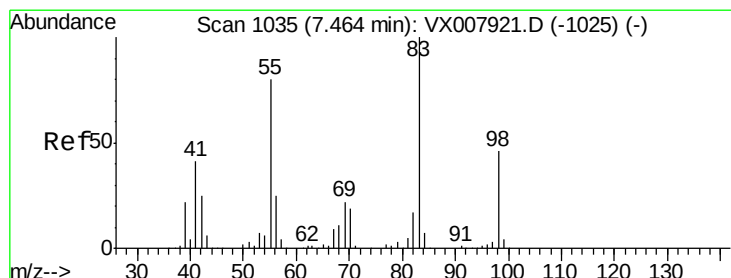
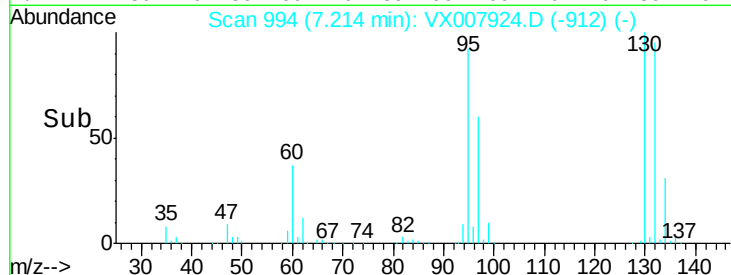
150000

100000

50000

0

Time-->



#38

Methylcyclohexane

Concen: 148.334 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. 0.00 min

Lab File: VX007924.D

Acq: 08 Mar 2019 11:40

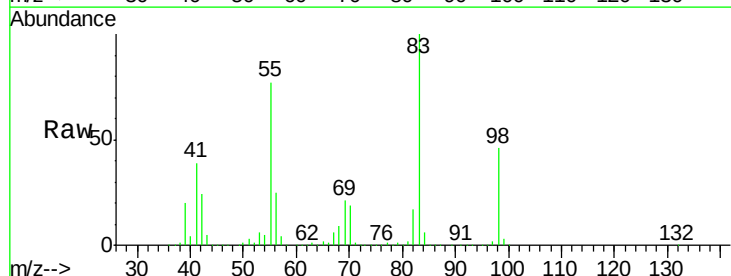
Tgt Ion: 83 Resp: 718680

Ion Ratio Lower Upper

83 100

55 76.5 36.0 108.0

98 46.2 23.8 71.4



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

7.46

400000

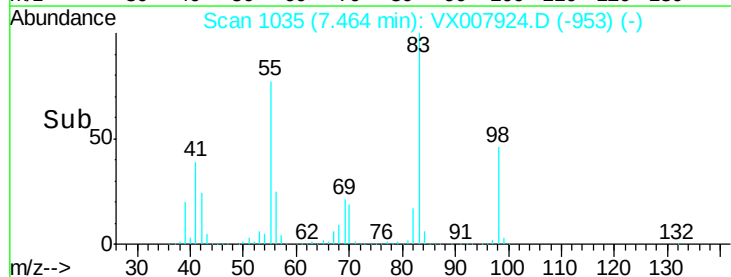
300000

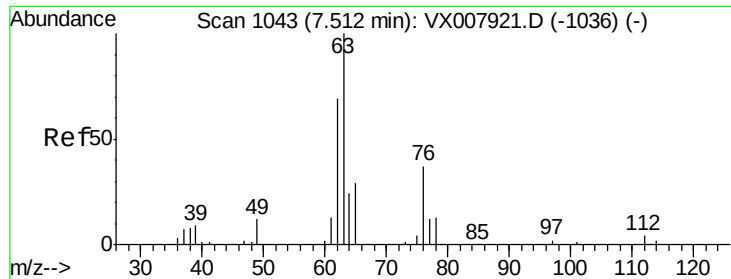
200000

100000

0

Time-->





#39

1,2-Dichloropropane

Concen: 145.034 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.01 min

Lab File: VX007924.D

Acq: 08 Mar 2019 11:40

Instrument :

MSVOA_X

ClientSampleId :

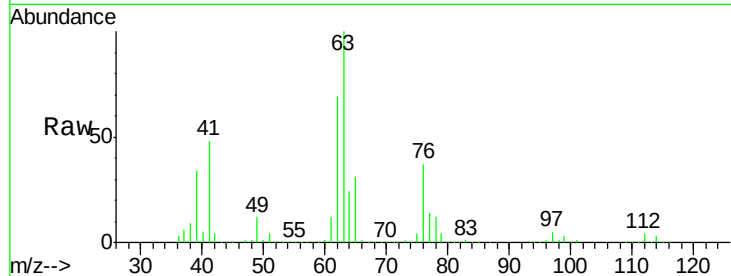
VSTDIC150

Tot Ion: 63 Resp: 441721

Ion Ratio Lower Upper

63 100

65 30.9 24.6 37.0



Abundance Ion 63.00 (62.70 to 63.70): VX0

Ion 65.00 (64.70 to 65.70): VX0

7.52

200000

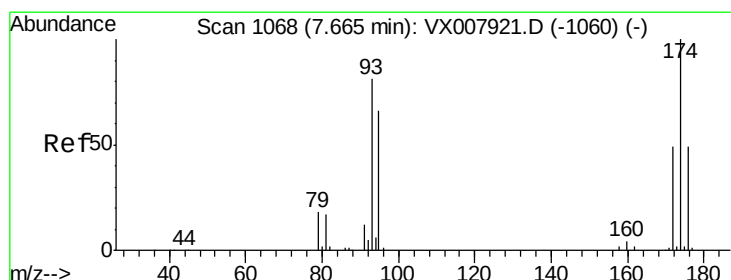
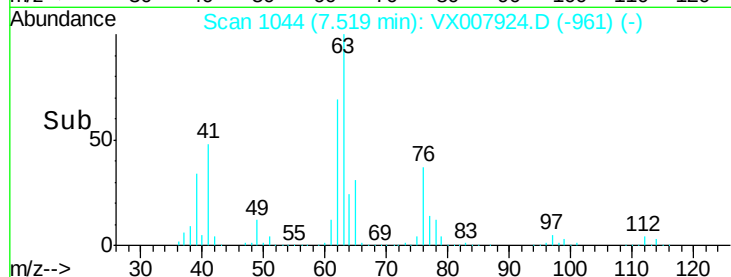
150000

100000

50000

0

Time--> 7.40 7.50 7.60



#40

Dibromomethane

Concen: 144.793 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VX007924.D

Acq: 08 Mar 2019 11:40

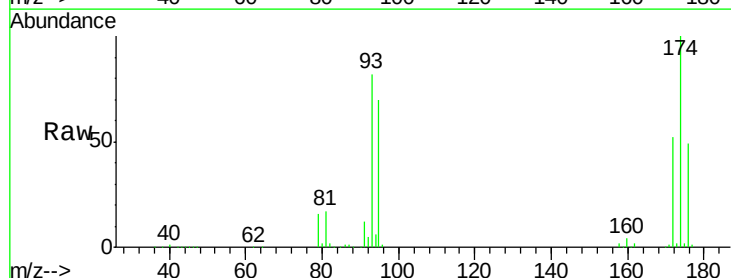
Tgt Ion: 93 Resp: 279723

Ion Ratio Lower Upper

93 100

95 83.5 0.0 158.8

174 121.3 0.0 224.2



Abundance Ion 93.00 (92.70 to 93.70): VX0

Ion 95.00 (94.70 to 95.70): VX0

Ion 174.00 (173.70 to 174.70): V

200000

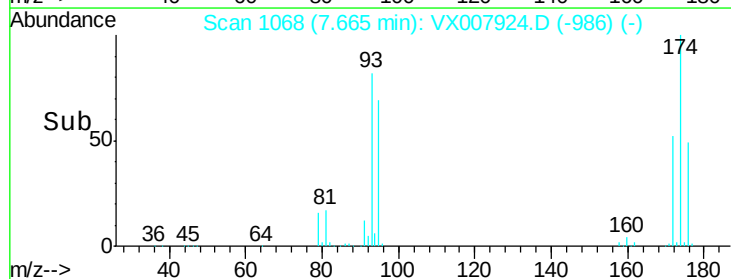
150000

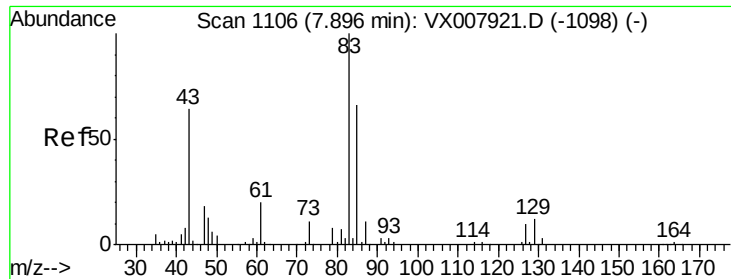
100000

50000

0

Time--> 7.60 7.70 7.80





#41

Bromodichloromethane

Concen: 149.310 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX007924.D

Acq: 08 Mar 2019 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

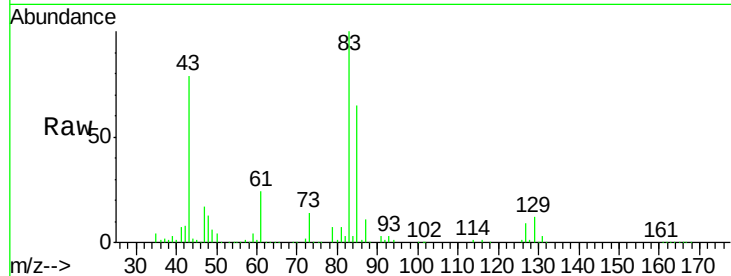
Tot Ion: 83 Resp: 545226

Ion Ratio Lower Upper

83 100

85 65.0 51.1 76.7

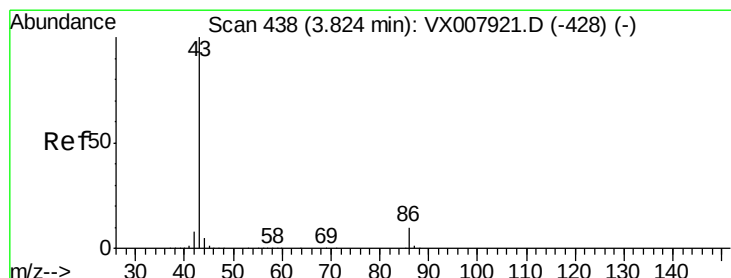
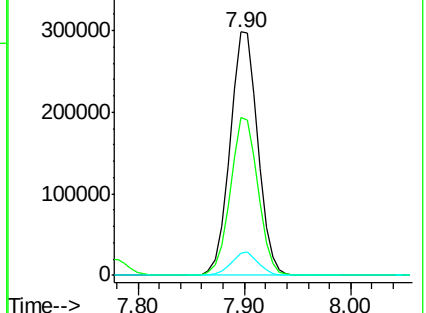
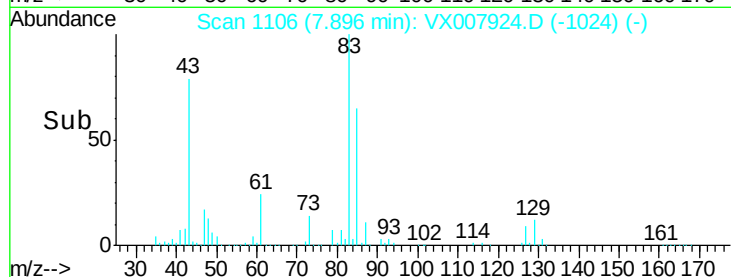
127 8.9 7.2 10.8



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: 723.576 ug/l

RT: 3.83 min Scan# 439

Delta R.T. 0.01 min

Lab File: VX007924.D

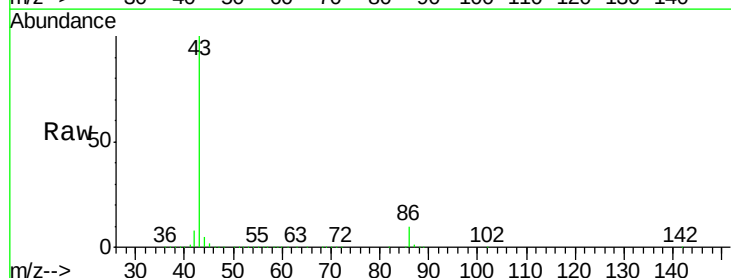
Acq: 08 Mar 2019 11:40

Tgt Ion: 43 Resp: 6020130

Ion Ratio Lower Upper

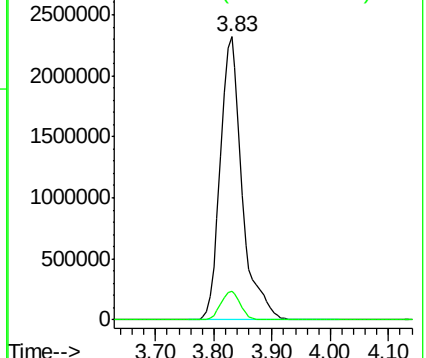
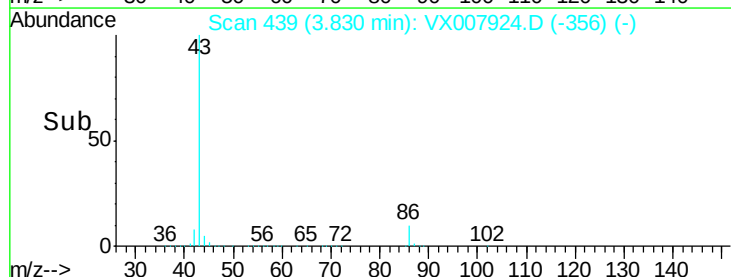
43 100

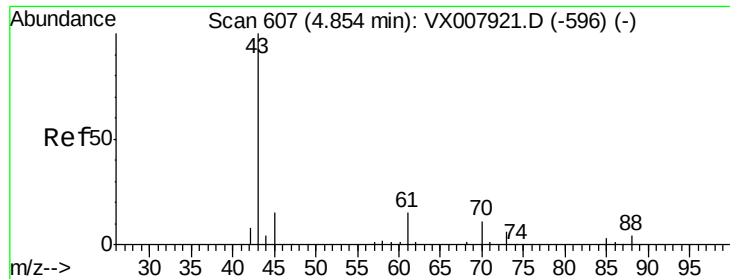
86 9.2 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0





#43

Ethyl Acetate

Concen: 141.516 ug/l

RT: 4.86 min Scan# 608

Delta R.T. 0.01 min

Lab File: VX007924.D

Acq: 08 Mar 2019 11:40

Instrument :

MSVOA_X

ClientSampleId :

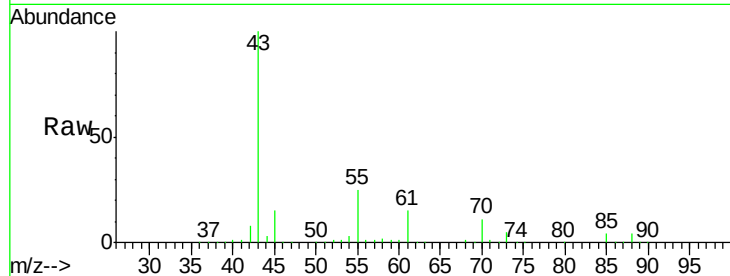
VSTDIC150

Tot Ion: 43 Resp: 633557

Ion Ratio Lower Upper

43 100

45 15.1 6.9 10.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

600000

400000

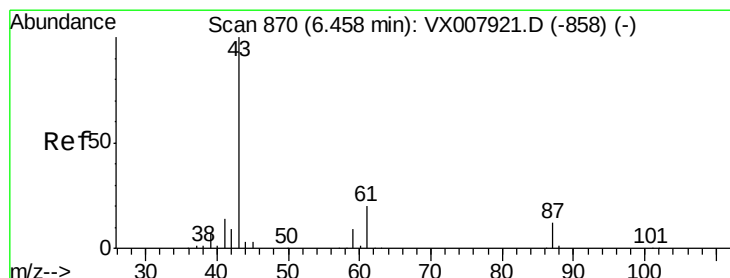
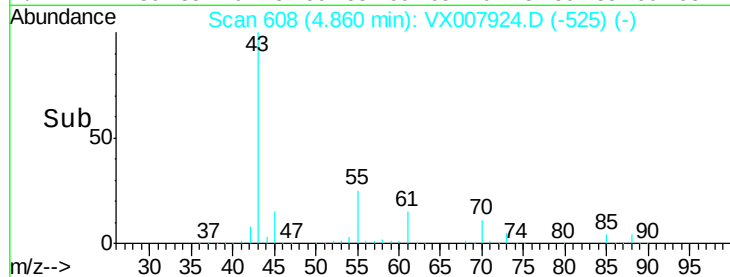
200000

0

4.80 4.90 5.00

4.86

Time-->



#44

Isopropyl Acetate

Concen: 148.338 ug/l

RT: 6.46 min Scan# 870

Delta R.T. 0.00 min

Lab File: VX007924.D

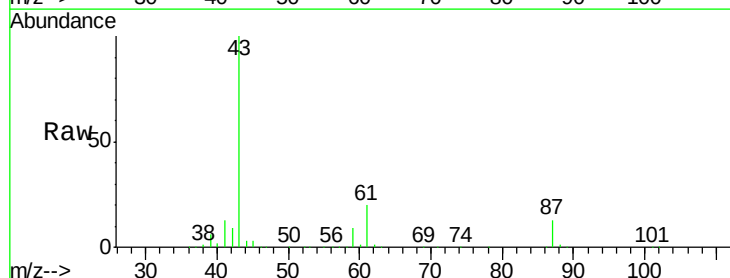
Acq: 08 Mar 2019 11:40

Tgt Ion: 43 Resp: 1013296

Ion Ratio Lower Upper

43 100

61 20.6 16.1 24.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

400000

300000

200000

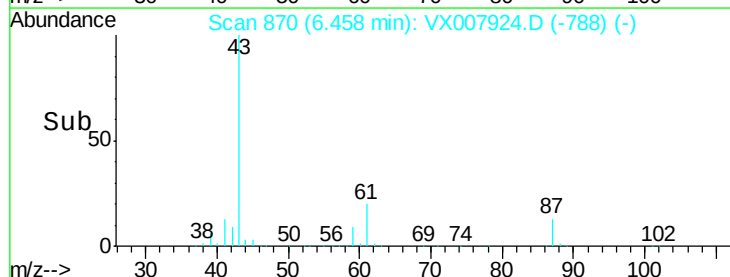
100000

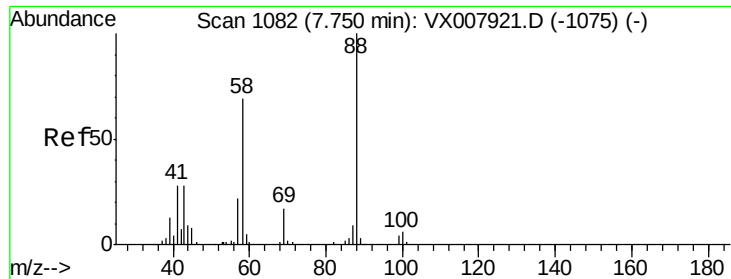
0

6.30 6.40 6.50 6.60

6.46

Time-->





#45

1,4-Dioxane

Concen: 2846.691 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. 0.01 min

Lab File: VX007924.D

Acq: 08 Mar 2019 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

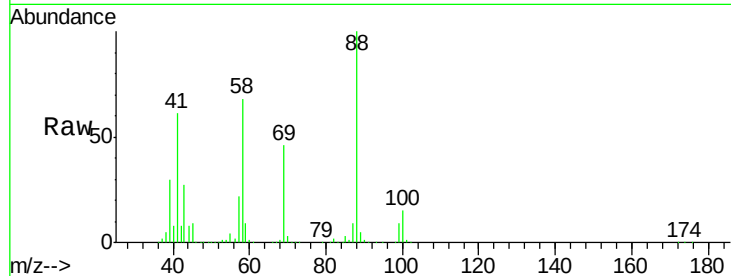
Tot Ion: 88 Resp: 203448

Ion Ratio Lower Upper

88 100

43 30.6 23.6 35.4

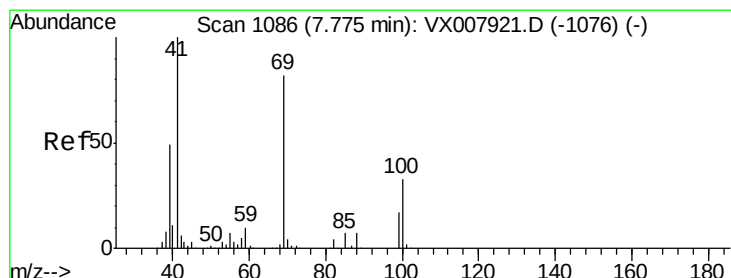
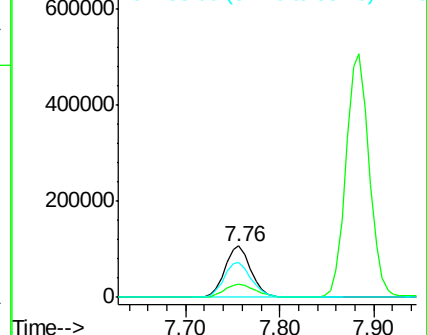
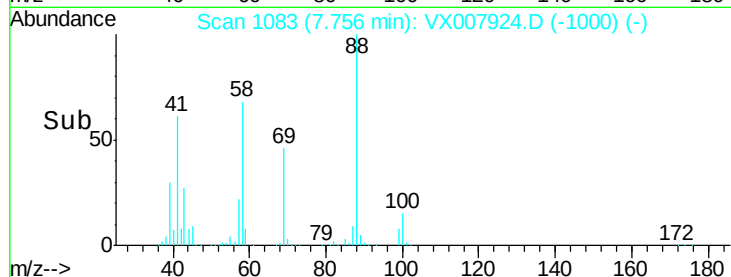
58 71.9 51.6 77.4



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: 145.287 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX007924.D

Acq: 08 Mar 2019 11:40

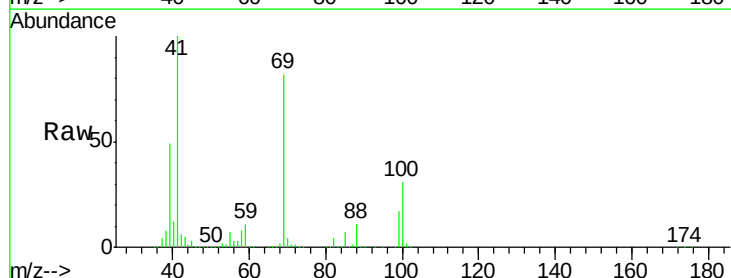
Tgt Ion: 41 Resp: 521962

Ion Ratio Lower Upper

41 100

69 82.5 44.2 132.6

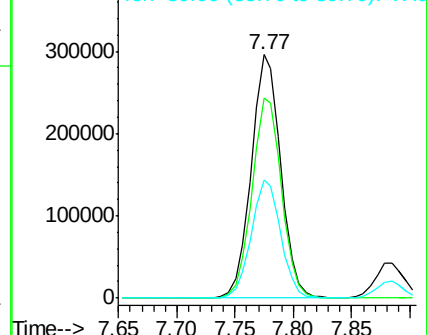
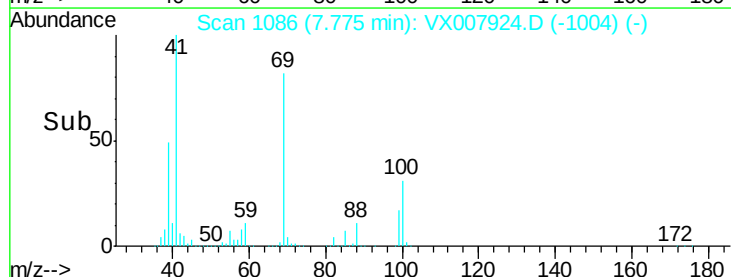
39 48.6 29.9 89.8

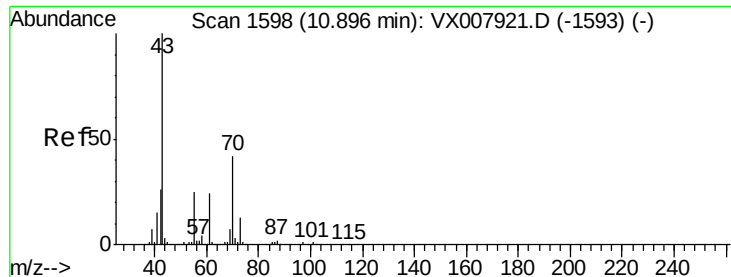


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#47

n-amvl Acetate

Concen: 149.833 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX007924.D

Acq: 08 Mar 2019 11:40

Instrument :

MSVOA_X

ClientSampleId :

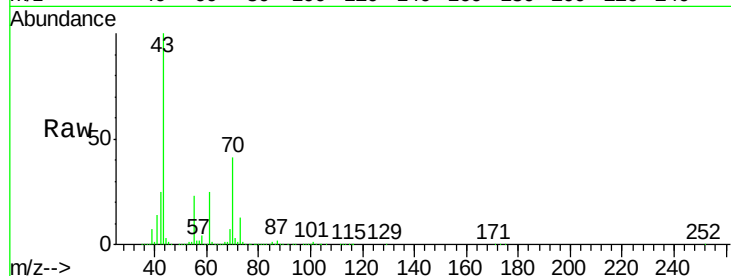
VSTDIC150

Tot Ion: 43 Resp: 881890

Ion Ratio Lower Upper

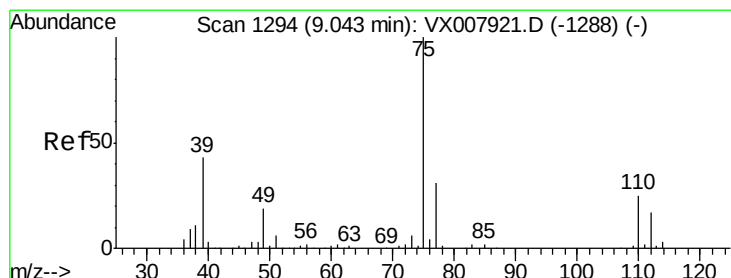
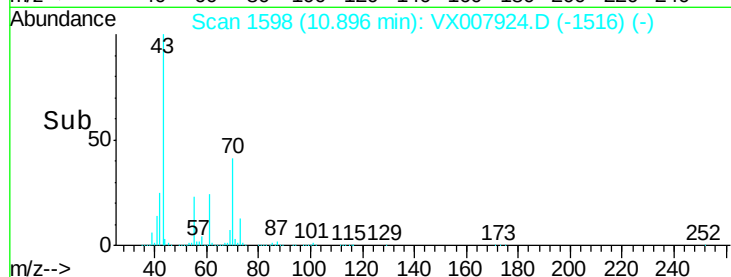
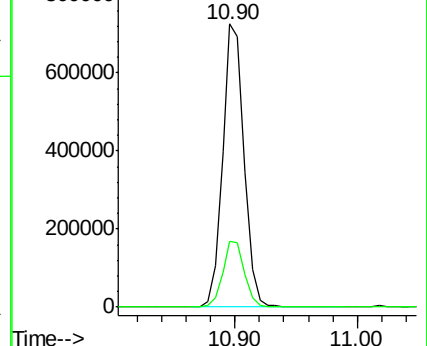
43 100

55 23.6 20.8 31.2



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: 160.330 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX007924.D

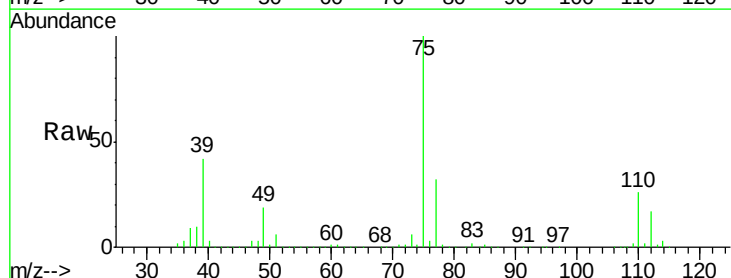
Acq: 08 Mar 2019 11:40

Tgt Ion: 75 Resp: 634077

Ion Ratio Lower Upper

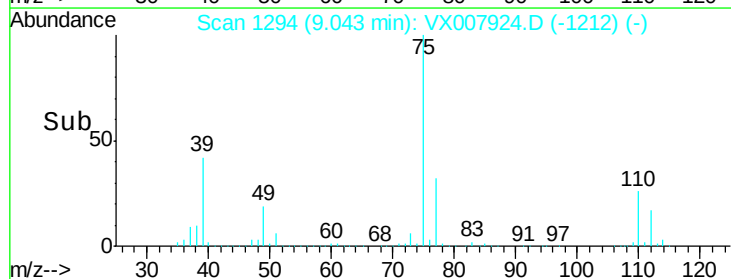
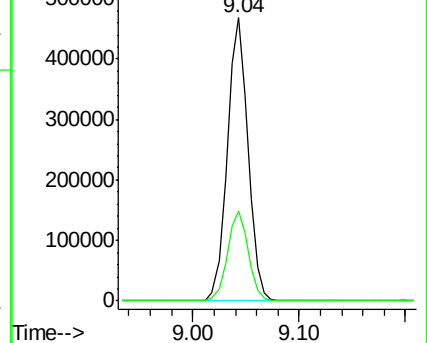
75 100

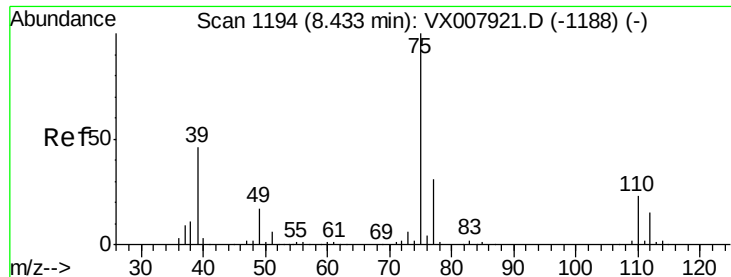
77 31.7 24.5 36.7



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



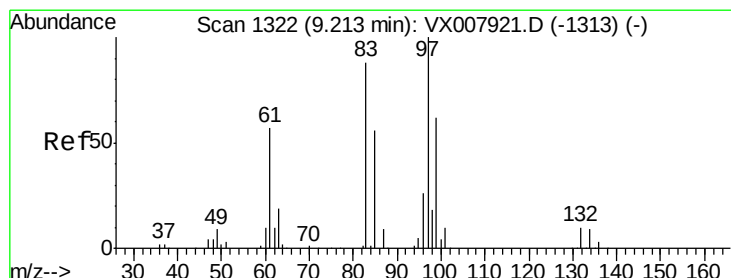
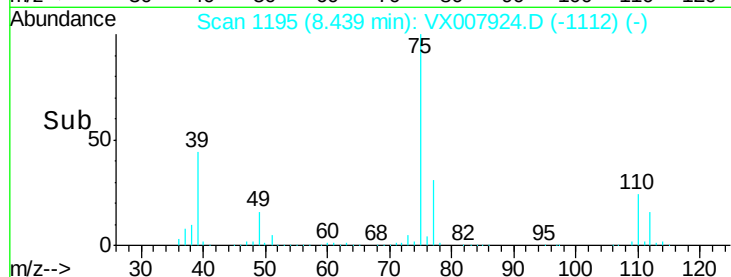
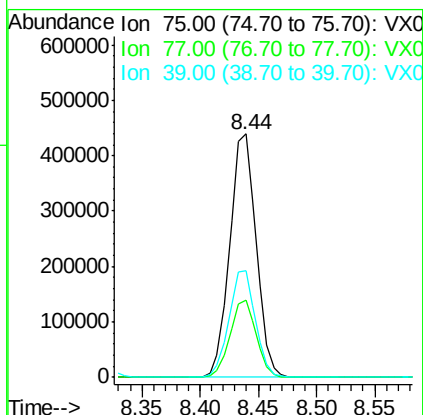
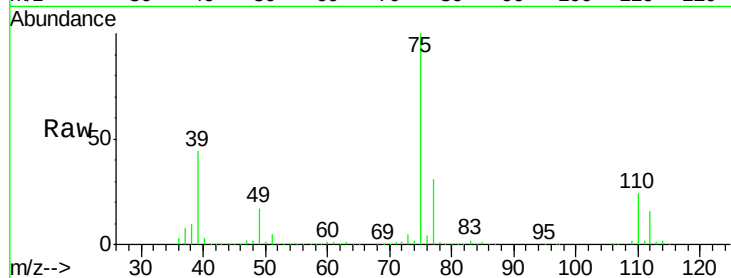


#49

cis-1,3-Dichloropropene
Concen: 155.039 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. 0.01 min
Lab File: VX007924.D
Acq: 08 Mar 2019 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

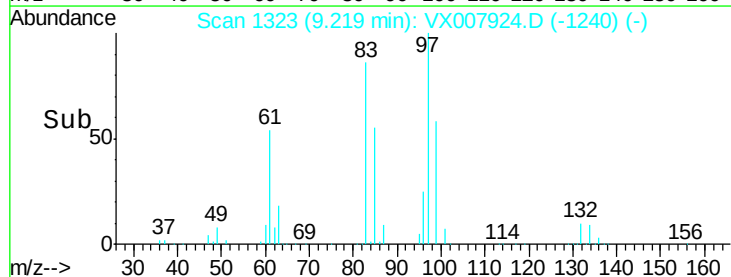
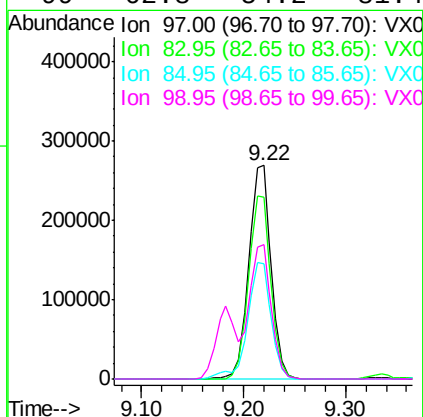
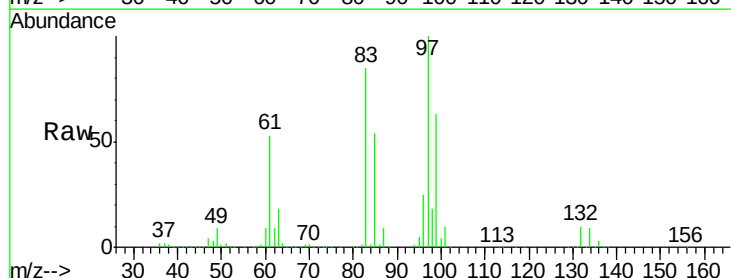
Tot Ion: 75 Resp: 694292
Ion Ratio Lower Upper
75 100
77 31.4 25.0 37.4
39 43.7 38.5 57.7

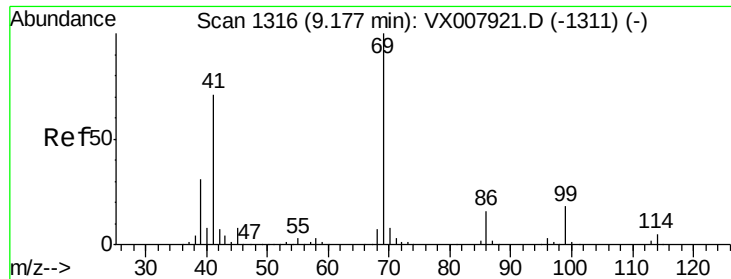


#50

1,1,2-Trichloroethane
Concen: 139.654 ug/l
RT: 9.22 min Scan# 1323
Delta R.T. 0.01 min
Lab File: VX007924.D
Acq: 08 Mar 2019 11:40

Tgt Ion: 97 Resp: 411244
Ion Ratio Lower Upper
97 100
83 85.3 72.0 108.0
85 54.2 45.0 67.6
99 62.8 54.2 81.4





#51

Ethyl methacrylate

Concen: 147.217 ug/l

RT: 9.18 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VX007924.D

Acq: 08 Mar 2019 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

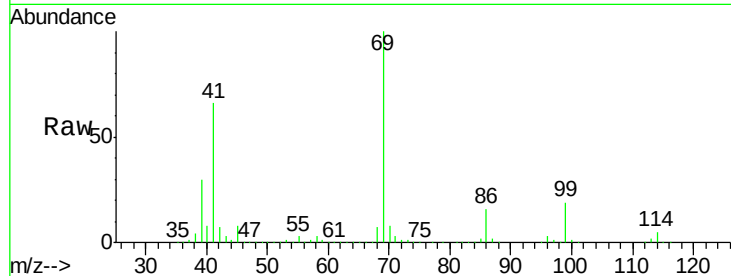
Tot Ion: 69 Resp: 657440

Ion Ratio Lower Upper

69 100

41 66.0 32.1 96.5

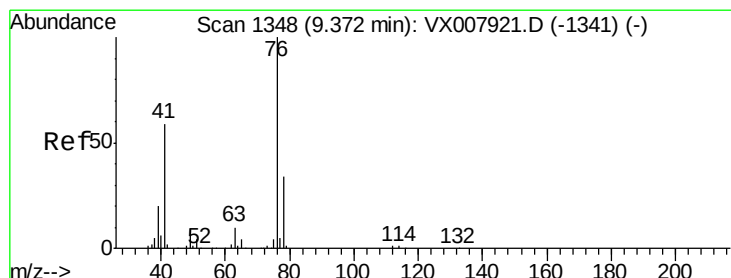
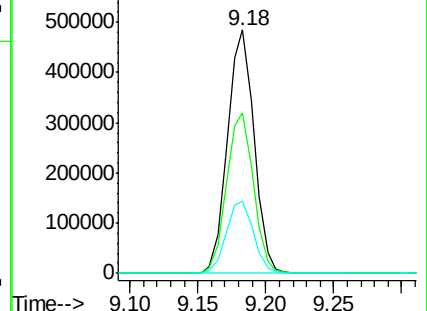
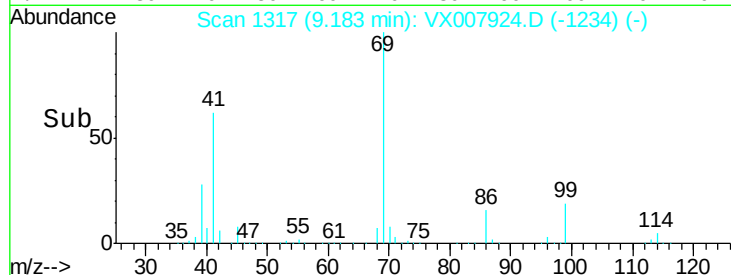
39 29.8 18.8 56.3



Abundance Ion 69.00 (68.70 to 69.70): VX007924.D (-1234) (-)

Ion 41.00 (40.70 to 41.70): VX007924.D (-1234) (-)

Ion 39.00 (38.70 to 39.70): VX007924.D (-1234) (-)



#52

1,3-Dichloropropane

Concen: 141.626 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX007924.D

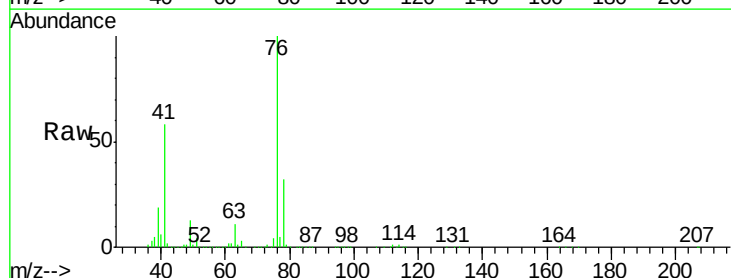
Acq: 08 Mar 2019 11:40

Tgt Ion: 76 Resp: 689095

Ion Ratio Lower Upper

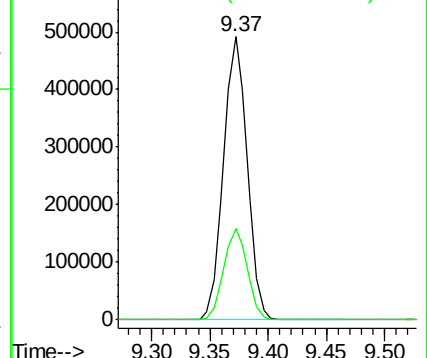
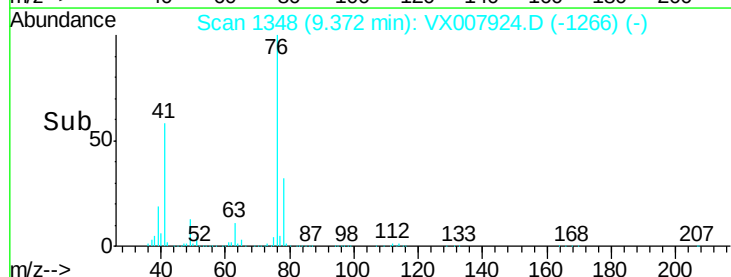
76 100

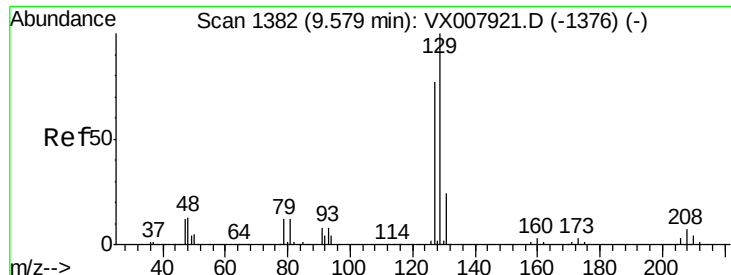
78 32.1 0.0 65.2



Abundance Ion 76.00 (75.70 to 76.70): VX007924.D (-1266) (-)

Ion 78.00 (77.70 to 78.70): VX007924.D (-1266) (-)





#53

Dibromochloromethane

Concen: 151.054 ug/l

RT: 9.59 min Scan# 1383

Delta R.T. 0.01 min

Lab File: VX007924.D

Acq: 08 Mar 2019 11:40

Instrument :

MSVOA_X

ClientSampleId :

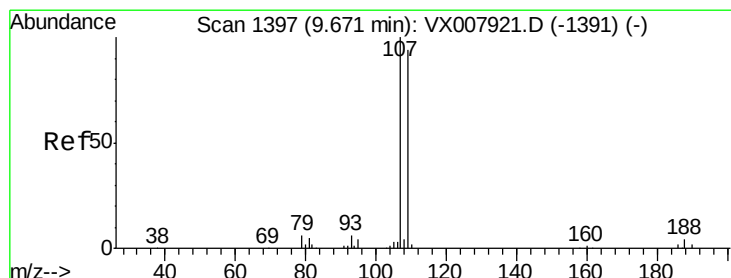
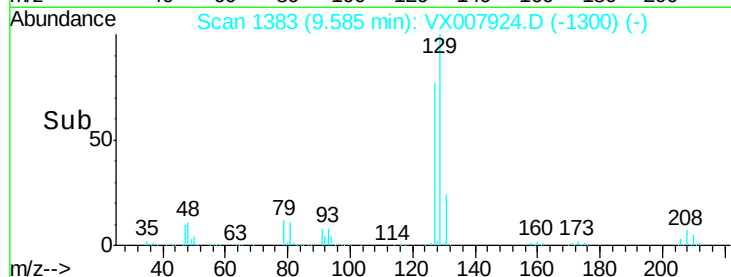
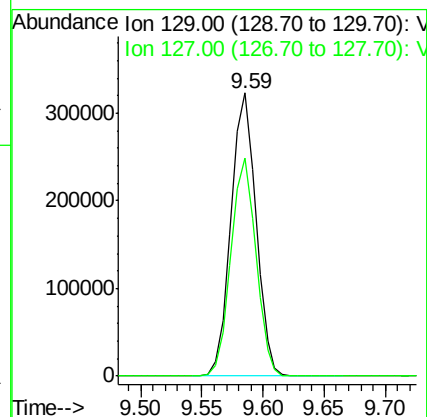
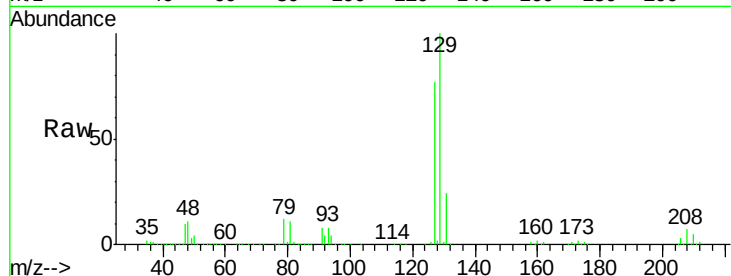
VSTDIC150

Tot Ion:129 Resp: 457543

Ion Ratio Lower Upper

129 100

127 76.9 38.4 115.2



#54

1,2-Dibromoethane

Concen: 143.729 ug/l

RT: 9.68 min Scan# 1398

Delta R.T. 0.01 min

Lab File: VX007924.D

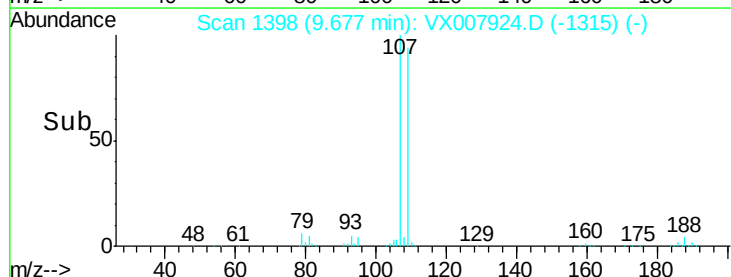
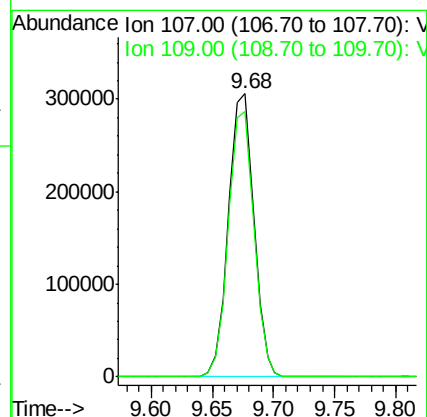
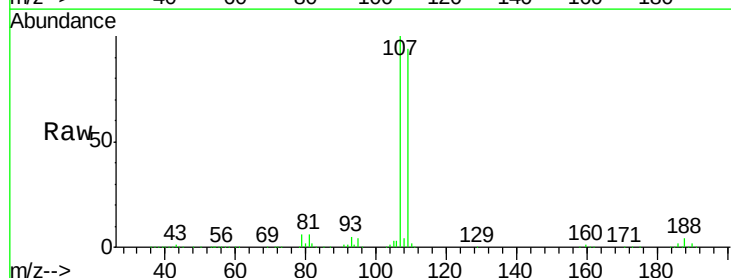
Acq: 08 Mar 2019 11:40

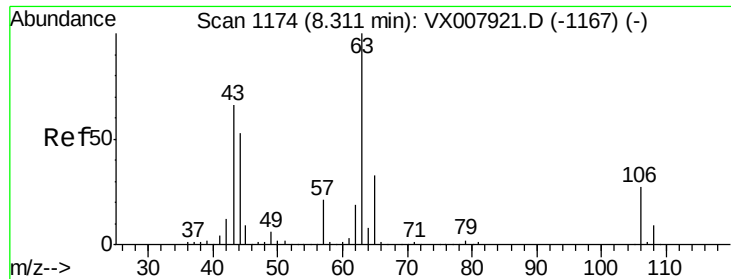
Tgt Ion:107 Resp: 442480

Ion Ratio Lower Upper

107 100

109 94.3 76.6 115.0

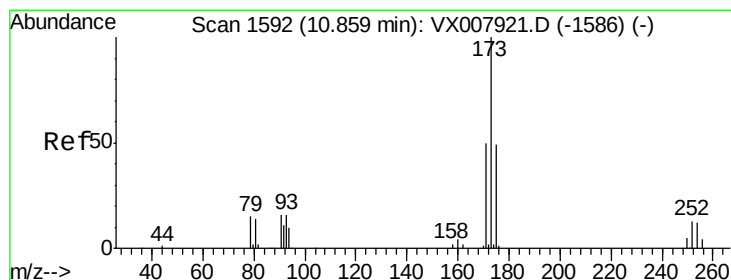
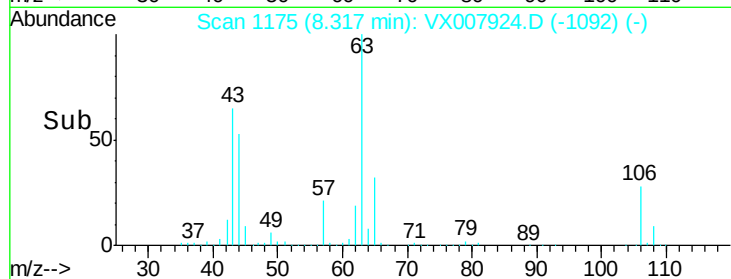
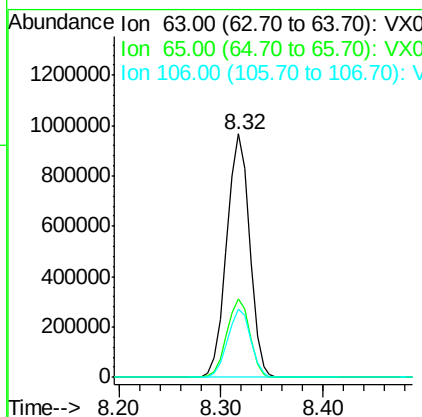
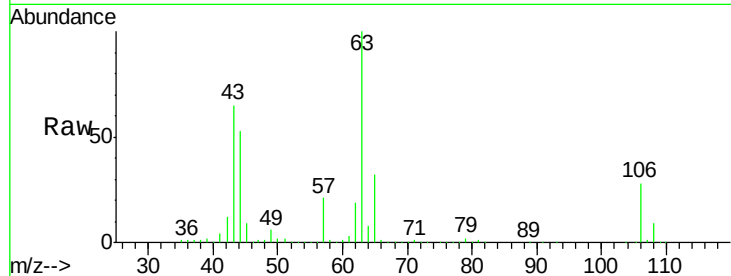




#55
2-Chloroethyl vinyl ether
Concen: 722.189 ug/l
RT: 8.32 min Scan# 1175
Delta R.T. 0.01 min
Lab File: VX007924.D
Acq: 08 Mar 2019 11:40

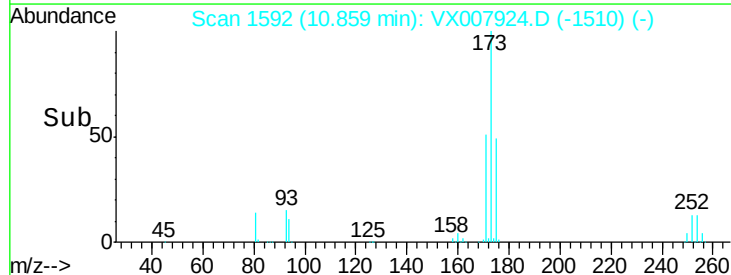
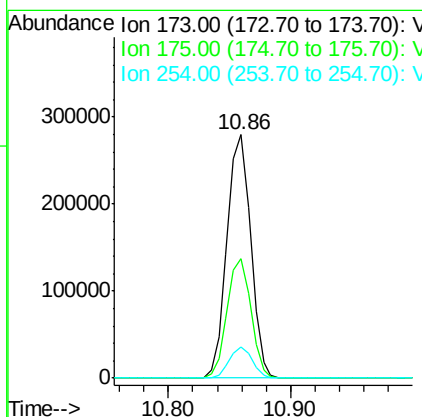
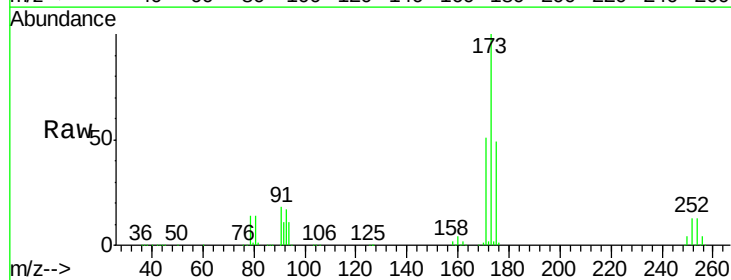
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

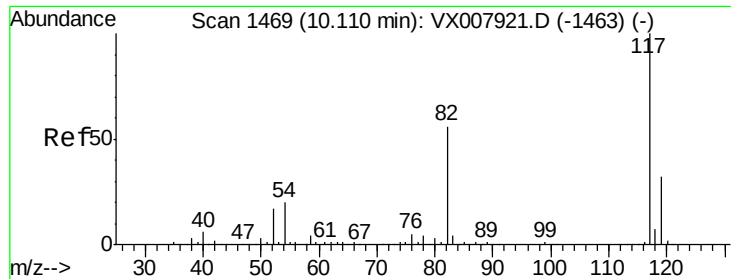
Tot Ion: 63 Resp: 1500035
Ion Ratio Lower Upper
63 100
65 32.1 25.7 38.5
106 28.1 23.7 35.5



#56
Bromoform
Concen: 155.807 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VX007924.D
Acq: 08 Mar 2019 11:40

Tgt Ion: 173 Resp: 376440
Ion Ratio Lower Upper
173 100
175 48.9 38.5 57.7
254 12.4 7.4 11.2#

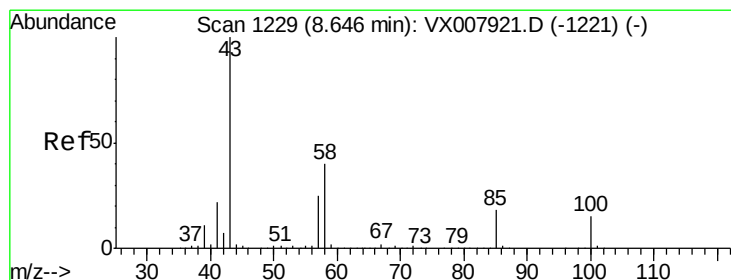
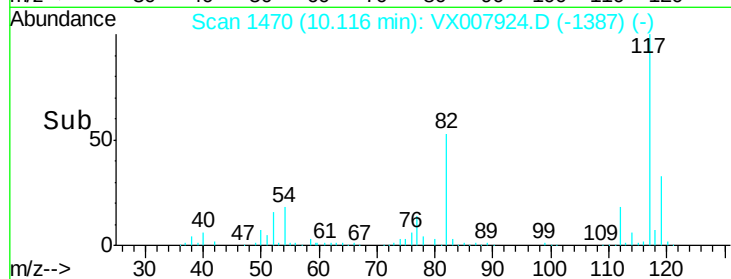
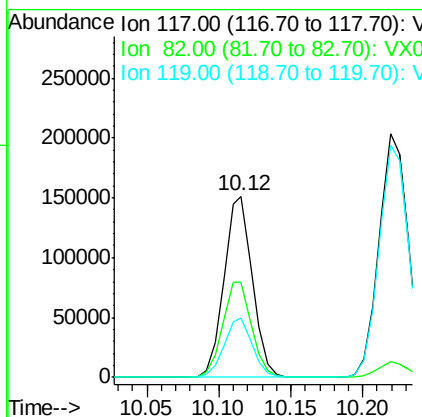
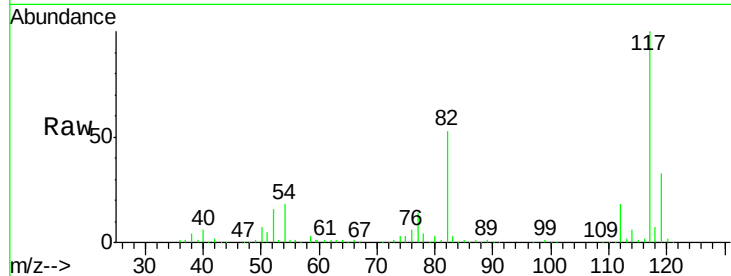




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX007924.D
Acq: 08 Mar 2019 11:40

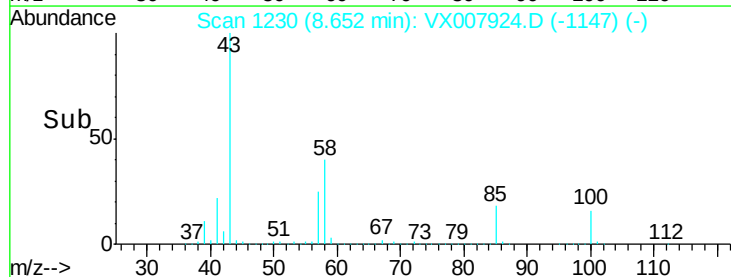
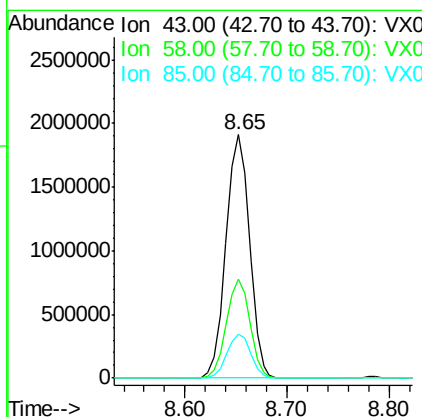
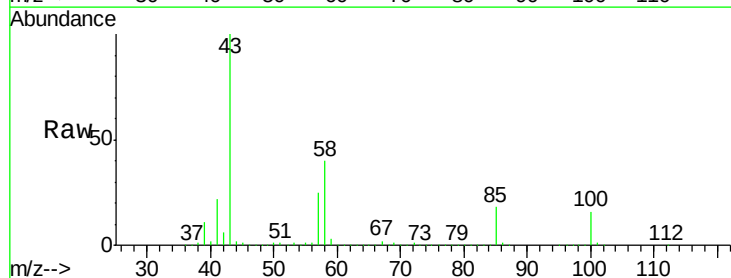
Instrument :
MSVOA_X
ClientSampled :
VSTDIC150

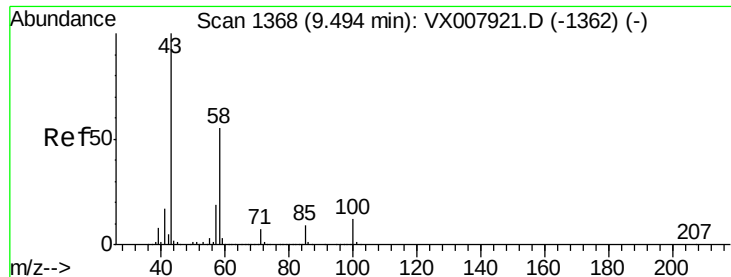
Tot Ion:117 Resp: 209176
Ion Ratio Lower Upper
117 100
82 53.8 40.4 60.6
119 32.4 25.8 38.6



#58
4-Methyl-2-Pentanone
Concen: 710.556 ug/l
RT: 8.65 min Scan# 1230
Delta R.T. 0.01 min
Lab File: VX007924.D
Acq: 08 Mar 2019 11:40

Tgt Ion: 43 Resp: 3060102
Ion Ratio Lower Upper
43 100
58 40.1 31.4 47.0
85 18.1 15.0 22.6

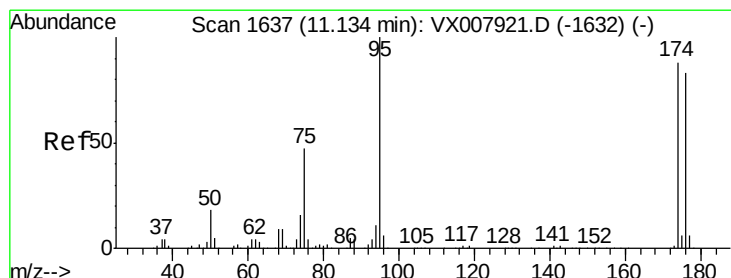
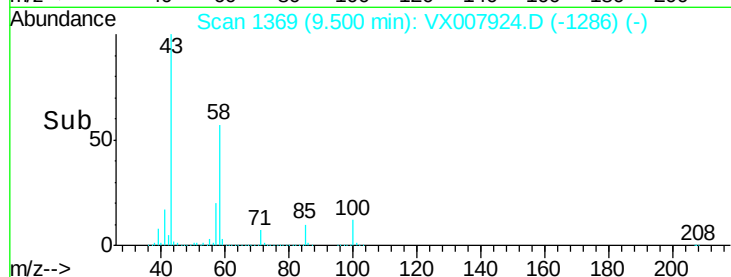
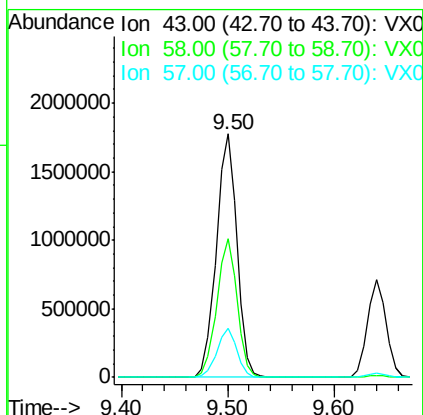
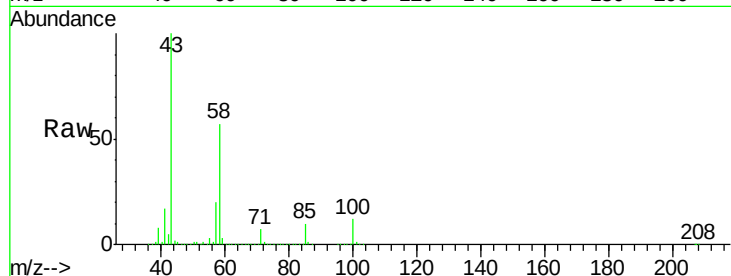




#59
2-Hexanone
Concen: 698.293 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. 0.01 min
Lab File: VX007924.D
Acq: 08 Mar 2019 11:40

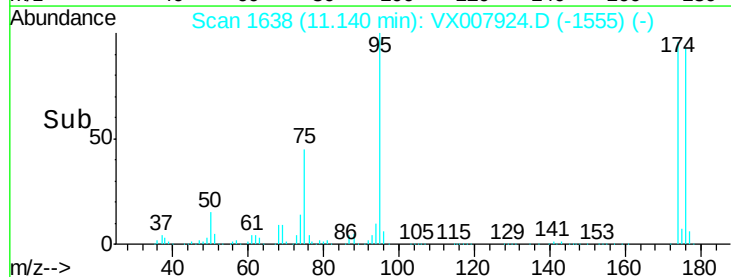
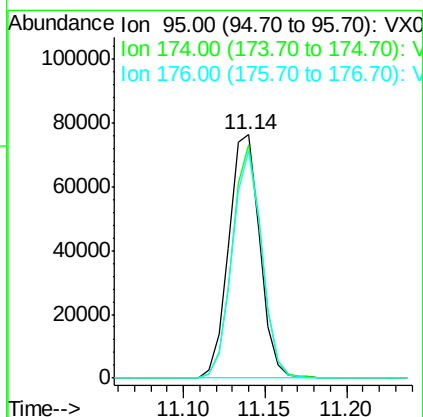
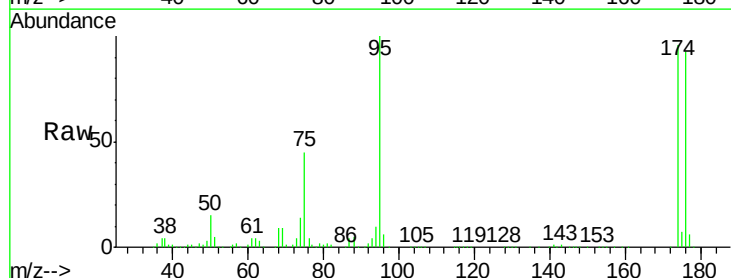
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

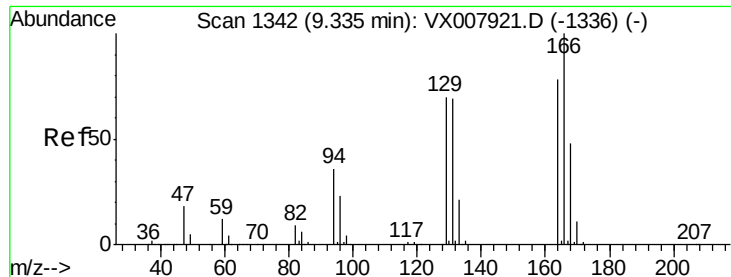
Tot Ion: 43 Resp: 2373876
Ion Ratio Lower Upper
43 100
58 56.1 43.9 65.9
57 19.5 14.9 22.3



#60
4-Bromofluorobenzene
Concen: 30.273 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.01 min
Lab File: VX007924.D
Acq: 08 Mar 2019 11:40

Tgt Ion: 95 Resp: 101073
Ion Ratio Lower Upper
95 100
174 91.0 74.9 112.3
176 89.1 70.7 106.1





#61

Tetrachloroethene

Concen: 139.566 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX007924.D

Acq: 08 Mar 2019 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:164 Resp: 425865

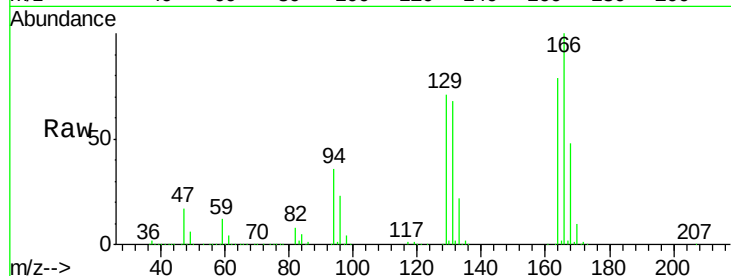
Ion Ratio Lower Upper

164 100

166 127.1 103.9 155.9

129 89.8 74.7 112.1

131 86.3 71.7 107.5

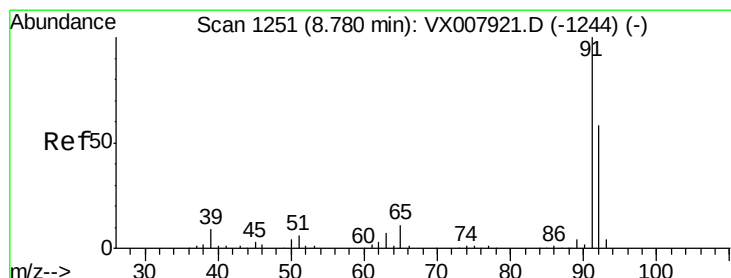
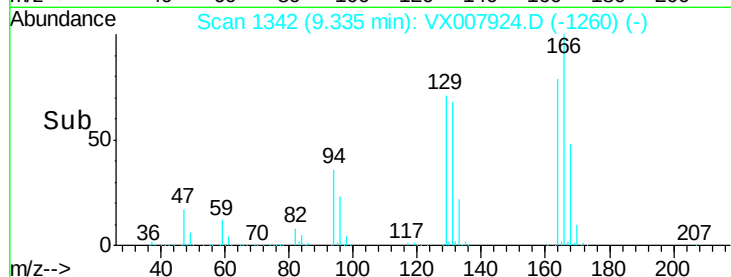
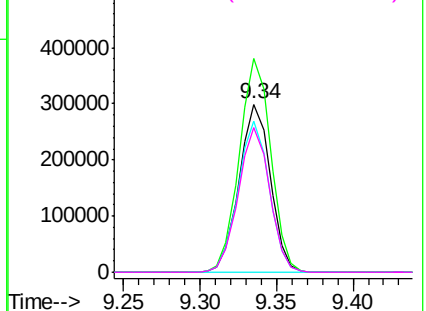


Abundance Ion 163.85 (163.55 to 164.55): V

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: 145.843 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX007924.D

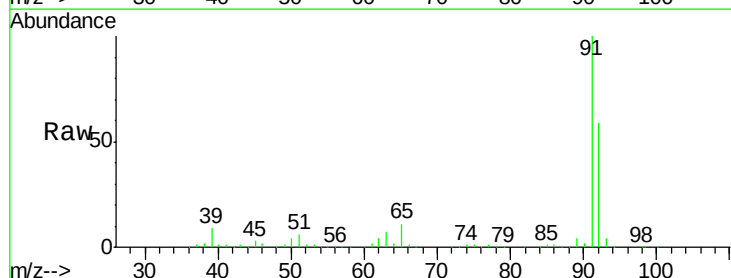
Acq: 08 Mar 2019 11:40

Tgt Ion: 91 Resp: 1781369

Ion Ratio Lower Upper

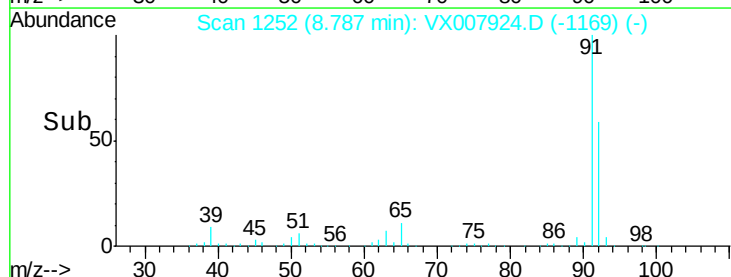
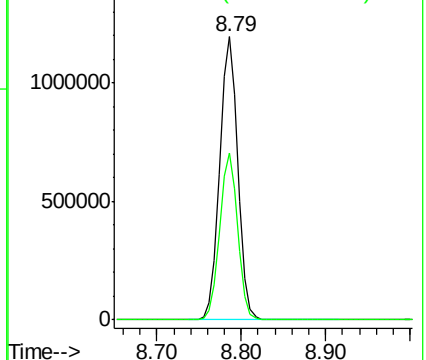
91 100

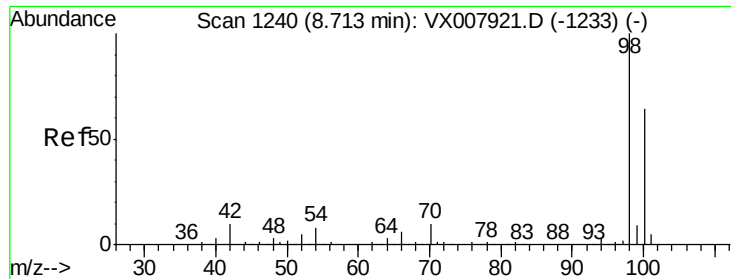
92 58.3 46.4 69.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 30.002 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007924.D

Acq: 08 Mar 2019 11:40

Instrument :

MSVOA_X

ClientSampleId :

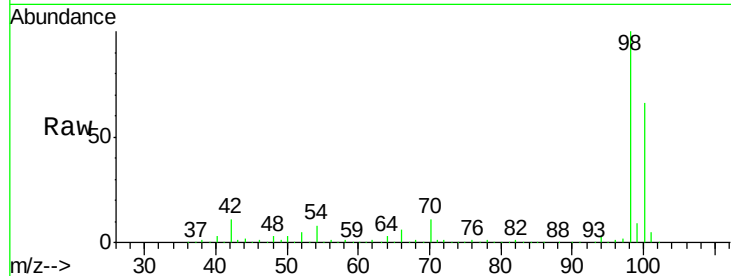
VSTDIC150

Tot Ion: 98 Resp: 287202

Ion Ratio Lower Upper

98 100

100 65.7 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX007921.D (-1233) (-)

Ion 100.00 (99.70 to 100.70): VX007921.D (-1233) (-)

300000

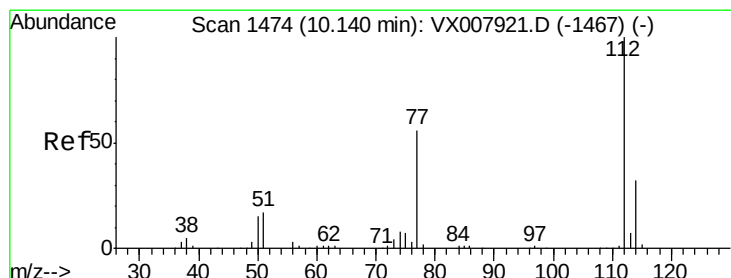
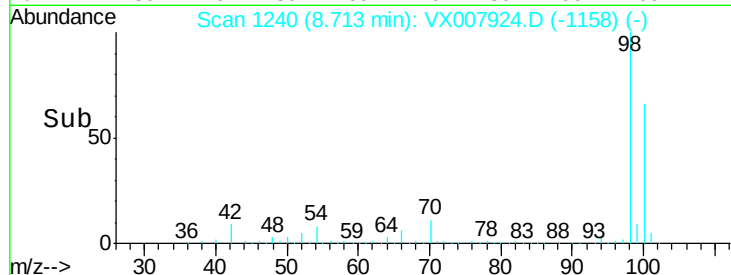
200000

100000

0

8.65 8.70 8.75 8.80

Time-->



#64

Chlorobenzene

Concen: 144.352 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

Lab File: VX007924.D

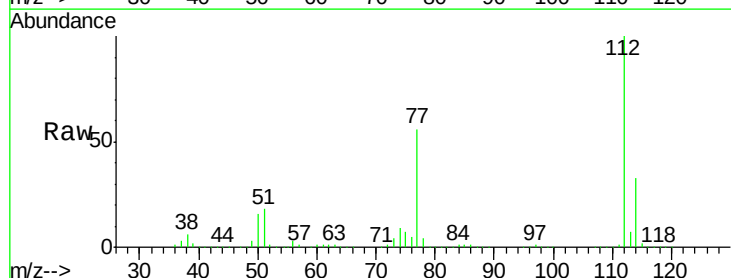
Acq: 08 Mar 2019 11:40

Tgt Ion: 112 Resp: 1123744

Ion Ratio Lower Upper

112 100

114 32.8 25.4 38.2



Abundance Ion 112.00 (111.70 to 112.70): VX007921.D (-1467) (-)

Ion 114.00 (113.70 to 114.70): VX007921.D (-1467) (-)

1000000

800000

600000

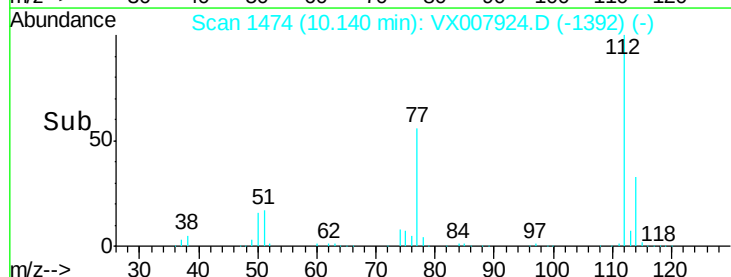
400000

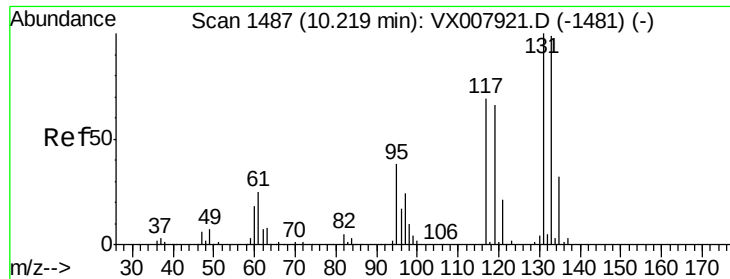
200000

0

10.10 10.14 10.20

Time-->

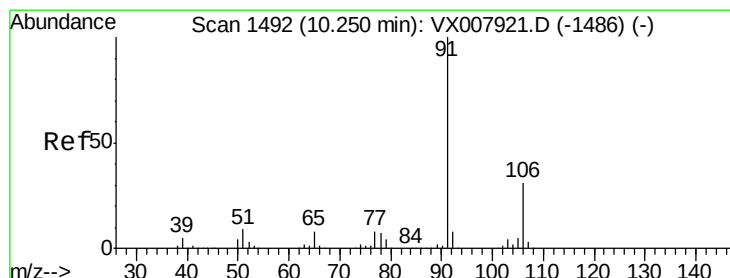
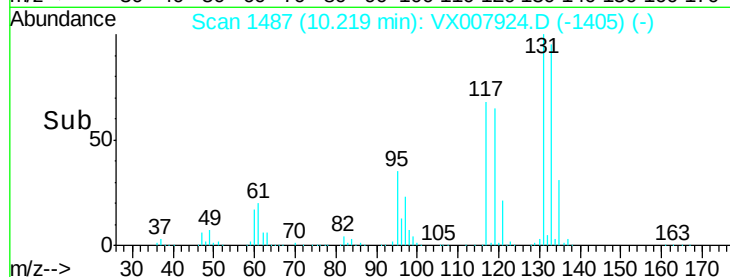
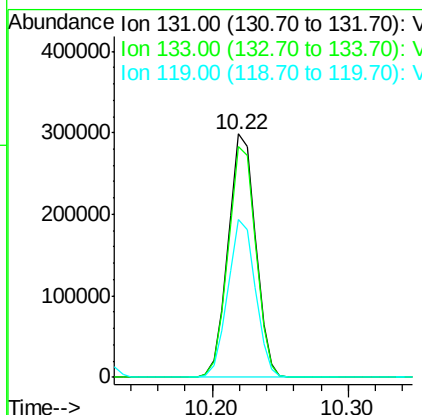
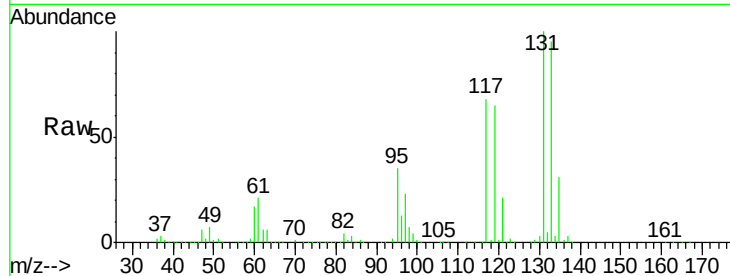




#65
 1,1,1,2-Tetrachloroethane
 Concen: 150.364 ug/l
 RT: 10.22 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VX007924.D
 Acq: 08 Mar 2019 11:40

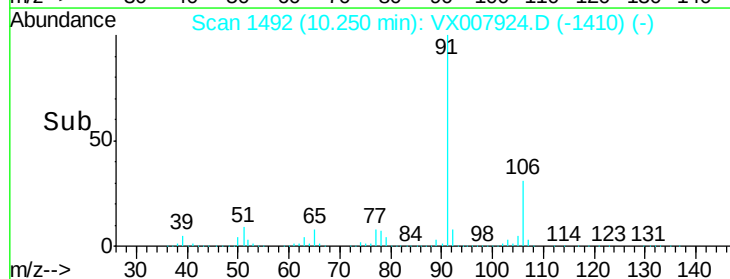
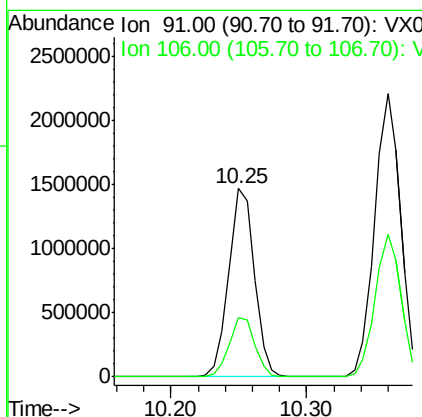
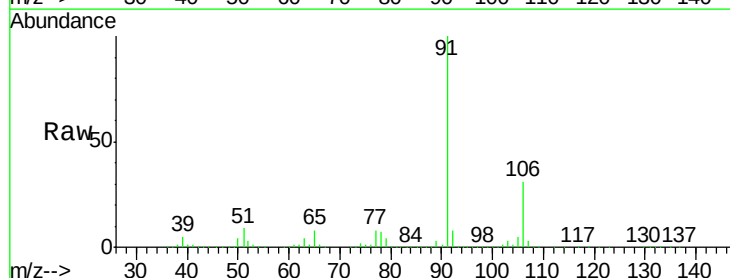
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

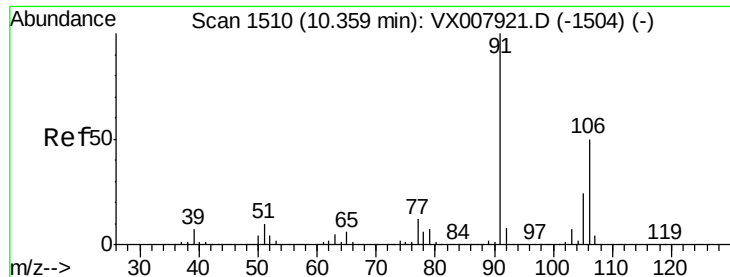
Tot Ion:131 Resp: 419096
 Ion Ratio Lower Upper
 131 100
 133 95.5 0.0 191.6
 119 64.8 0.0 127.4



#66
 Ethyl Benzene
 Concen: 147.360 ug/l
 RT: 10.25 min Scan# 1492
 Delta R.T. 0.00 min
 Lab File: VX007924.D
 Acq: 08 Mar 2019 11:40

Tgt Ion: 91 Resp: 1933300
 Ion Ratio Lower Upper
 91 100
 106 31.4 26.0 39.0





#67

m/p-Xylenes

Concen: 293.403 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX007924.D

Acq: 08 Mar 2019 11:40

Instrument :

MSVOA_X

ClientSampleId :

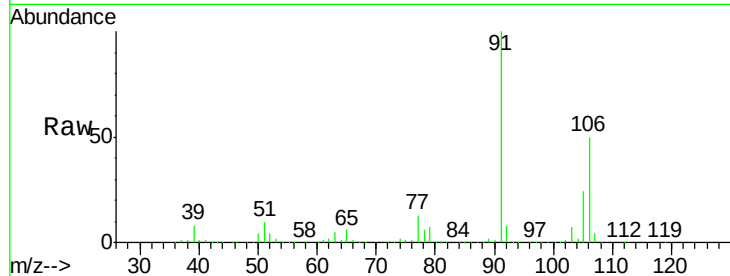
VSTDIC150

Tot Ion:106 Resp: 1475997

Ion Ratio Lower Upper

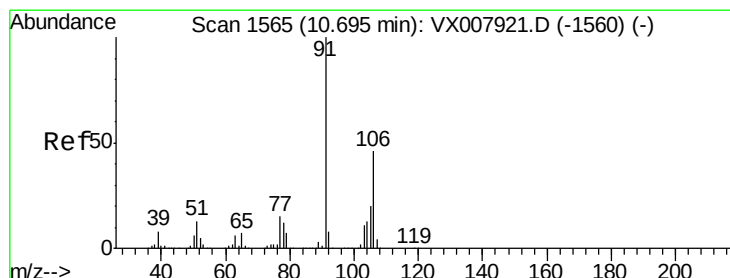
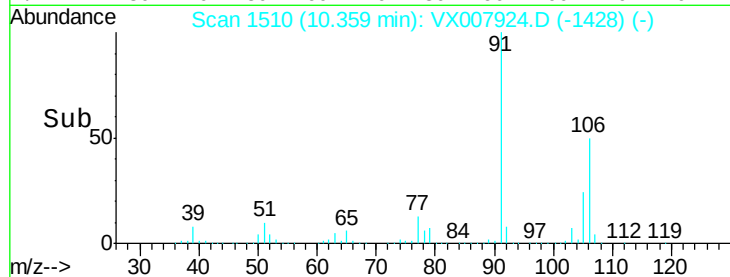
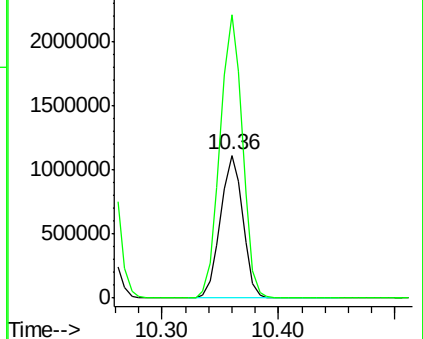
106 100

91 199.1 157.0 235.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#68

o-Xylene

Concen: 147.038 ug/l

RT: 10.70 min Scan# 1566

Delta R.T. 0.01 min

Lab File: VX007924.D

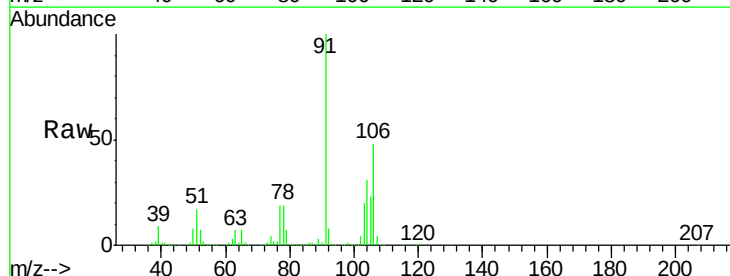
Acq: 08 Mar 2019 11:40

Tgt Ion:106 Resp: 718270

Ion Ratio Lower Upper

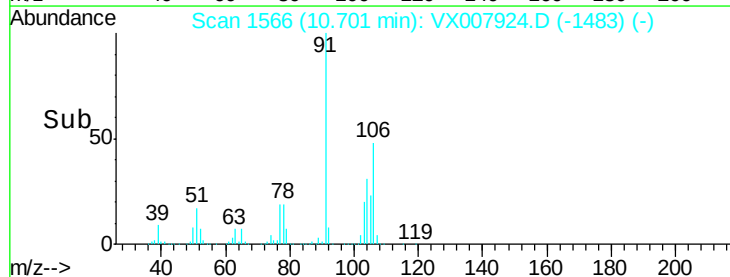
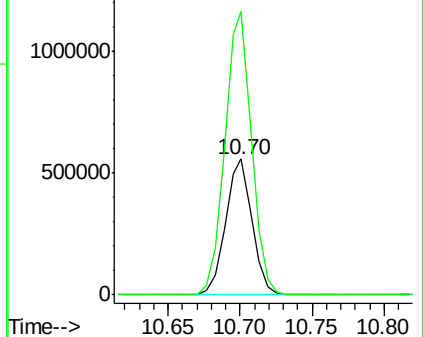
106 100

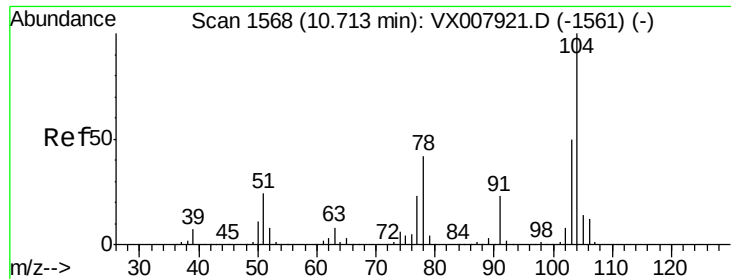
91 211.1 104.4 313.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

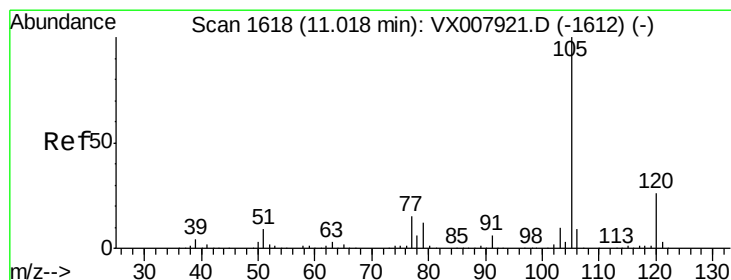
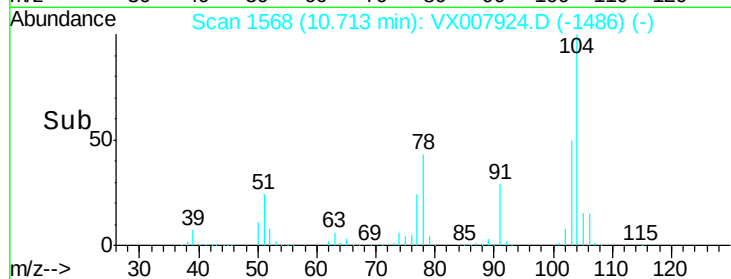
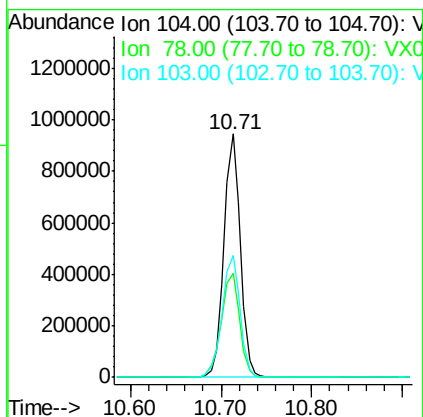
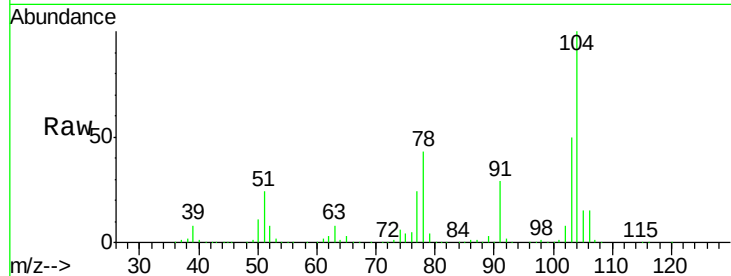




#69
Stvrene
Concen: 148.228 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX007924.D
Acq: 08 Mar 2019 11:40

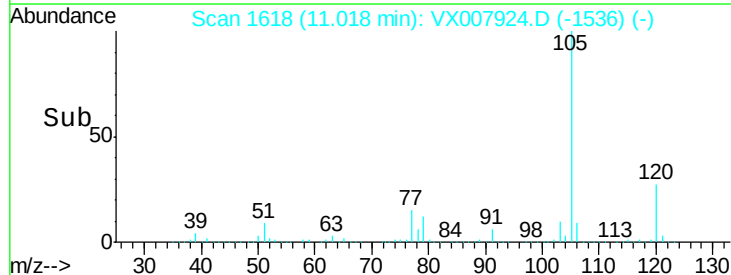
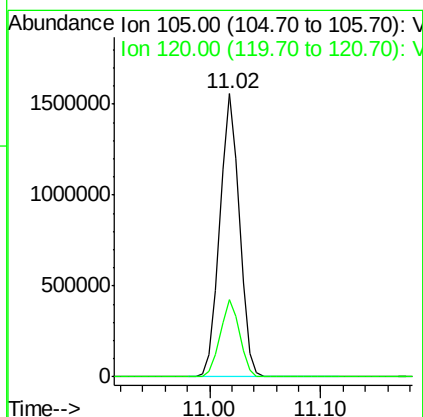
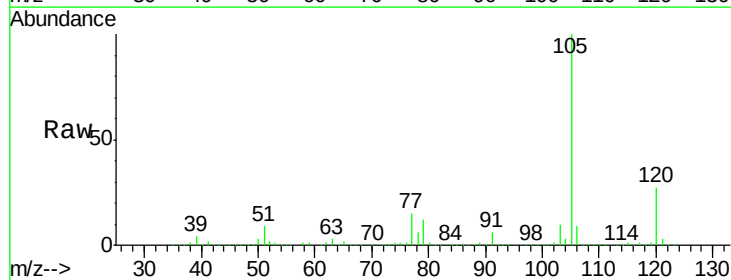
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

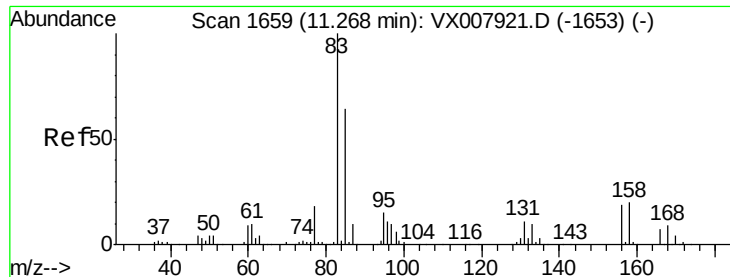
Tot Ion:104 Resp: 1193067
Ion Ratio Lower Upper
104 100
78 48.1 38.2 57.2
103 55.1 45.0 67.4



#70
Isopropylbenzene
Concen: 145.465 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX007924.D
Acq: 08 Mar 2019 11:40

Tgt Ion:105 Resp: 1898755
Ion Ratio Lower Upper
105 100
120 26.8 19.8 36.8





#71

1,1,2,2-Tetrachloroethane

Concen: 144.136 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX007924.D

Acq: 08 Mar 2019 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

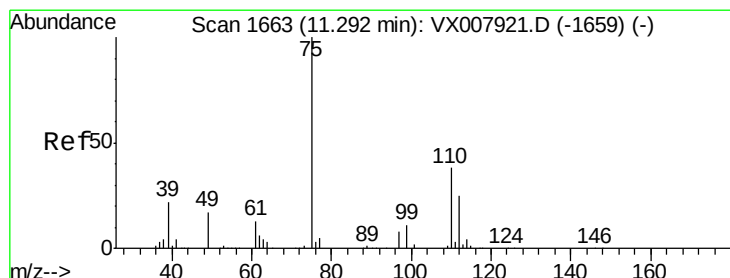
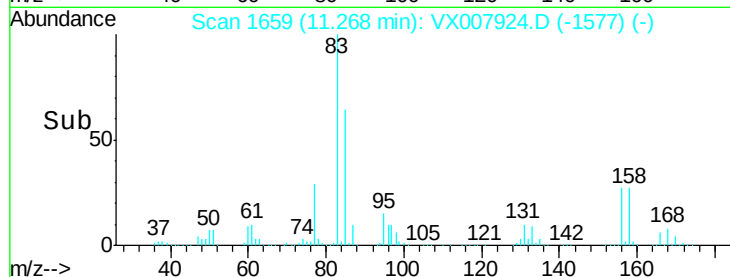
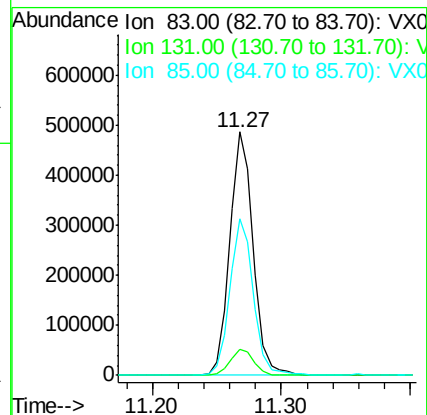
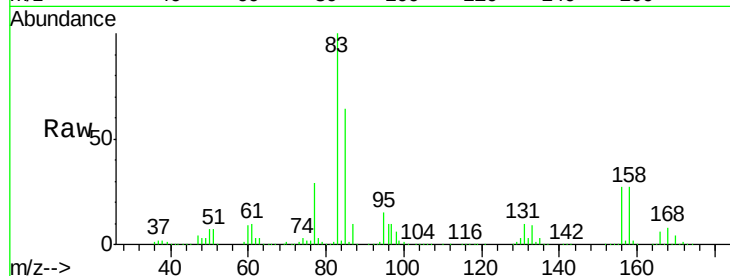
Tot Ion: 83 Resp: 621372

Ion Ratio Lower Upper

83 100

131 10.7 5.4 16.2

85 64.5 32.8 98.4



#72

1,2,3-Trichloropropane

Concen: 185.077 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. 0.01 min

Lab File: VX007924.D

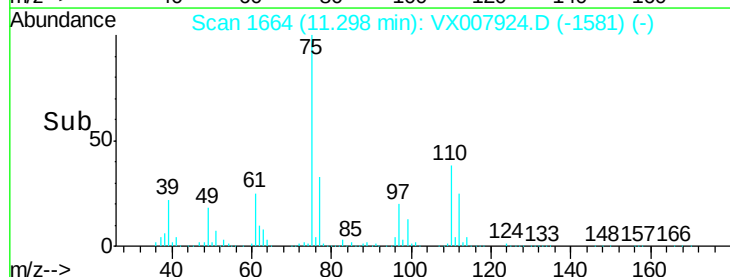
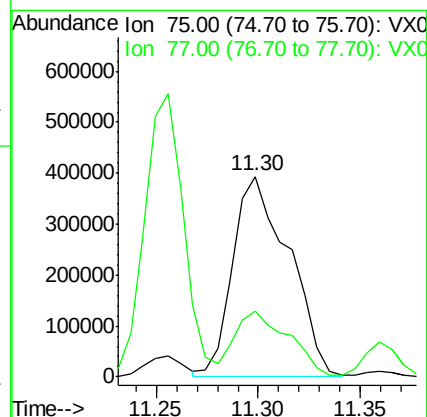
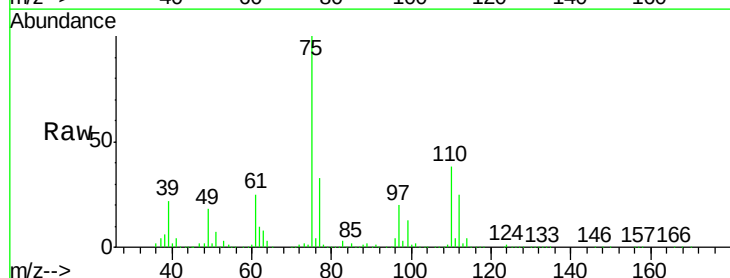
Acq: 08 Mar 2019 11:40

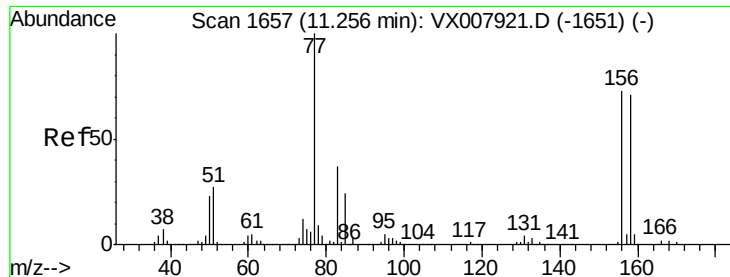
Tgt Ion: 75 Resp: 752075

Ion Ratio Lower Upper

75 100

77 31.7 0.0 76.4





#73

Bromobenzene

Concen: 145.979 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX007924.D

Acq: 08 Mar 2019 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

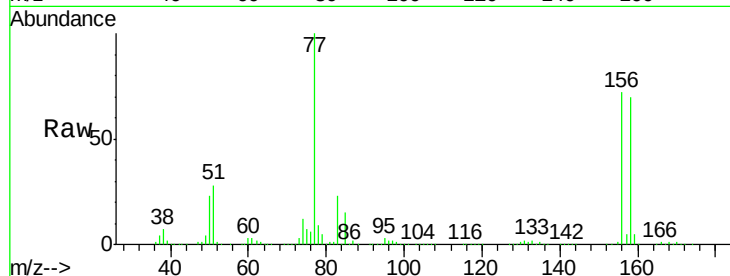
Tot Ion:156 Resp: 506578

Ion Ratio Lower Upper

156 100

77 145.2 0.0 271.4

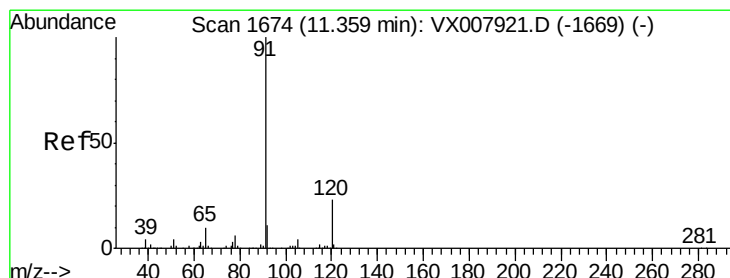
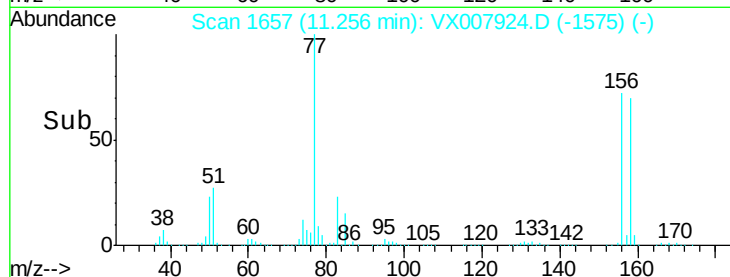
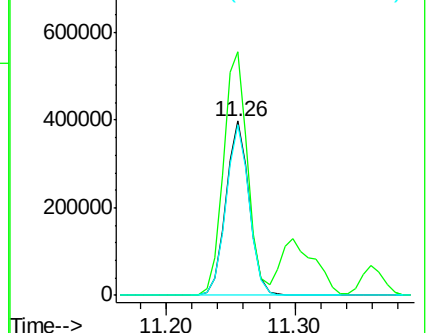
158 97.5 0.0 194.0



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: 146.729 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX007924.D

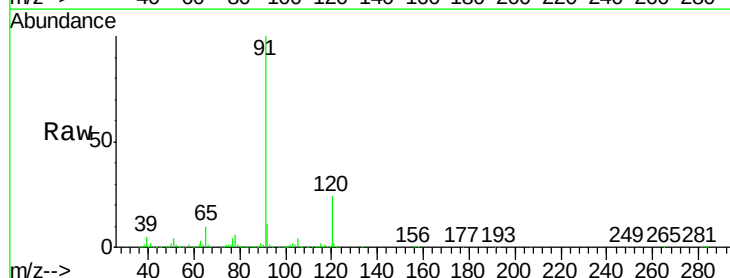
Acq: 08 Mar 2019 11:40

Tgt Ion: 91 Resp: 2160427

Ion Ratio Lower Upper

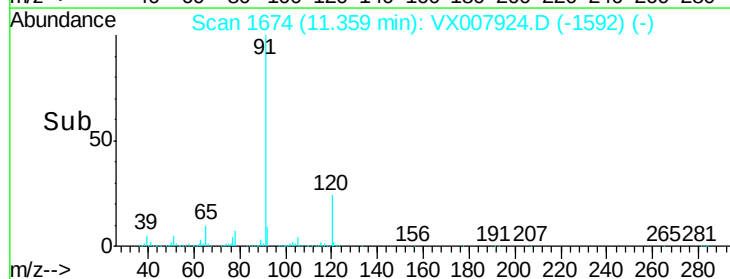
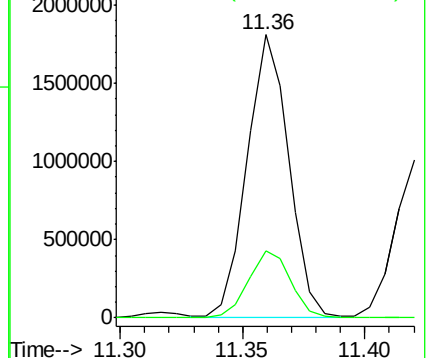
91 100

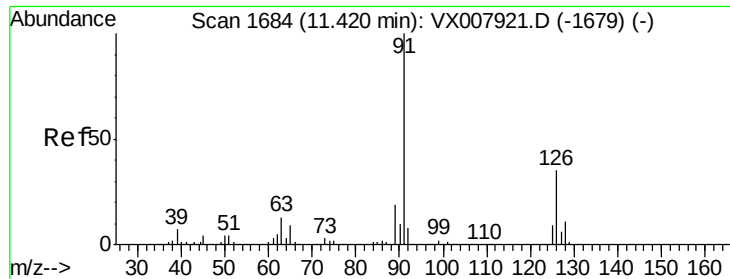
120 24.0 0.0 48.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 144.401 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX007924.D

Acq: 08 Mar 2019 11:40

Instrument :

MSVOA_X

ClientSampleId :

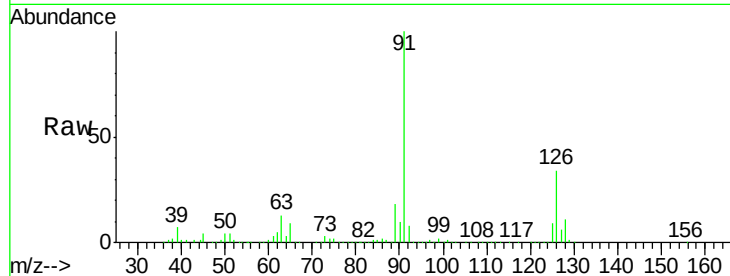
VSTDIC150

Tot Ion: 91 Resp: 1274371

Ion Ratio Lower Upper

91 100

126 34.8 0.0 75.2



Abundance Ion 91.00 (90.70 to 91.70): VX007921.D (-1679) (-)

Ion 126.00 (125.70 to 126.70): VX007921.D (-1679) (-)

2000000

1500000

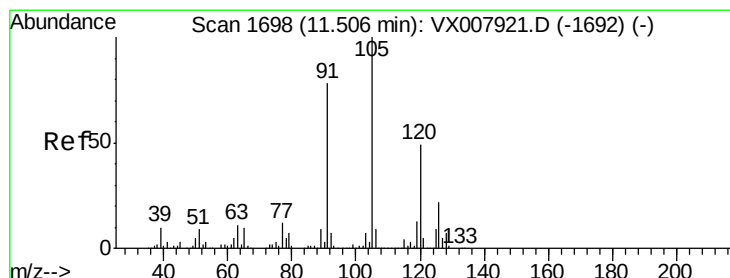
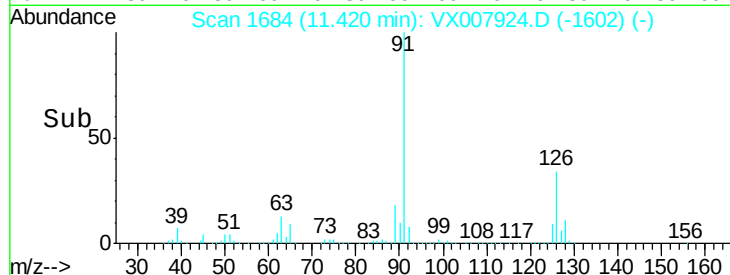
1000000

500000

0

11.40 11.42 11.44 11.46

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 146.895 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX007924.D

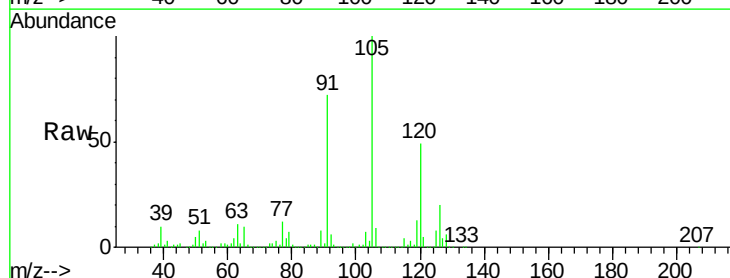
Acq: 08 Mar 2019 11:40

Tgt Ion: 105 Resp: 1589084

Ion Ratio Lower Upper

105 100

120 49.1 0.0 101.0



Abundance Ion 105.00 (104.70 to 105.70): VX007921.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX007921.D (-1692) (-)

1500000

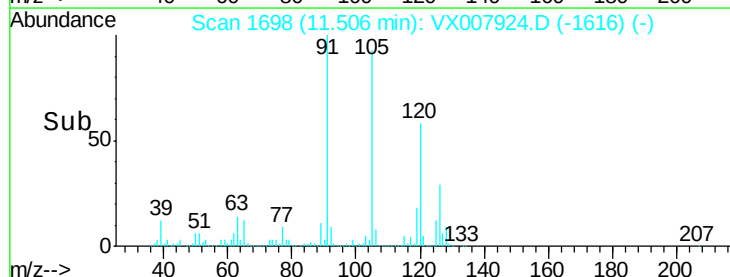
1000000

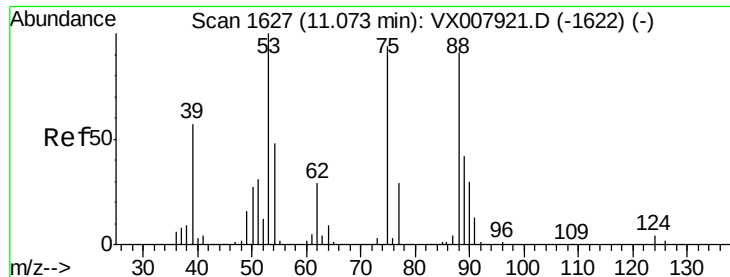
500000

0

11.45 11.50 11.55

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 172.004 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX007924.D

Acq: 08 Mar 2019 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

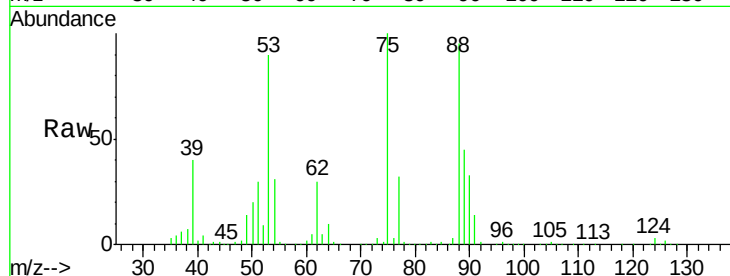
Tot Ion: 75 Resp: 215953

Ion Ratio Lower Upper

75 100

53 89.5 55.5 166.7

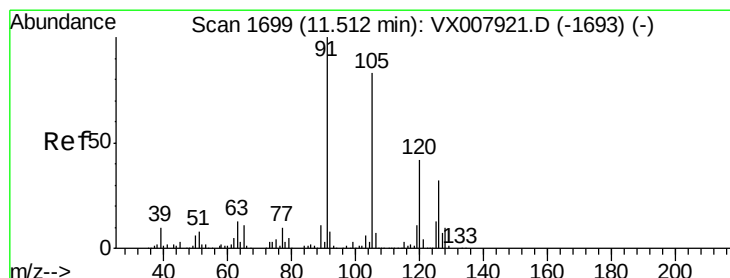
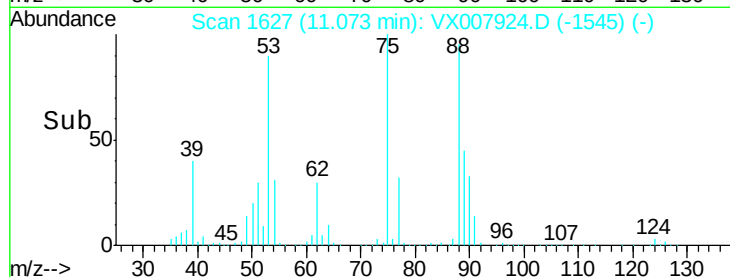
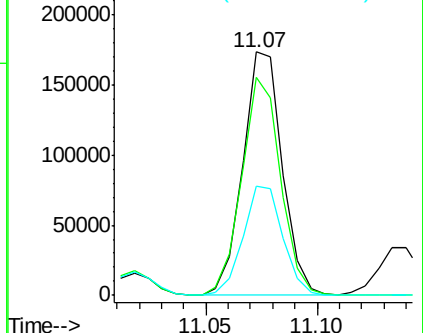
89 45.1 24.4 73.2



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: 147.789 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX007924.D

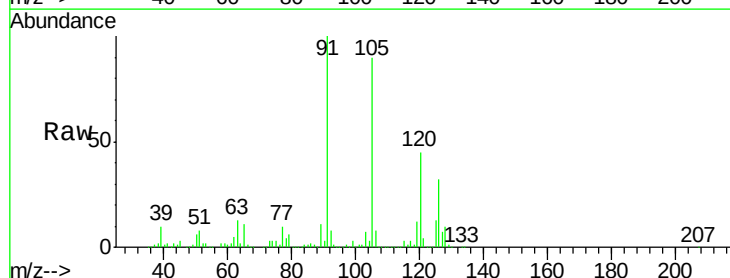
Acq: 08 Mar 2019 11:40

Tgt Ion: 91 Resp: 1474647

Ion Ratio Lower Upper

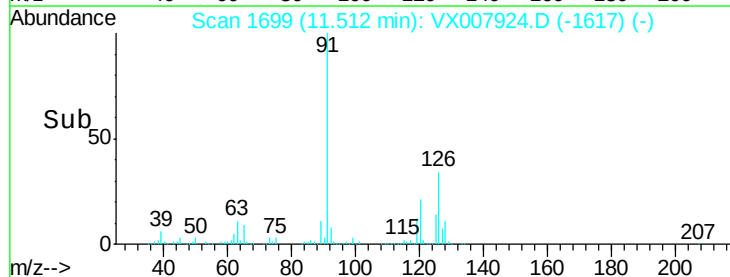
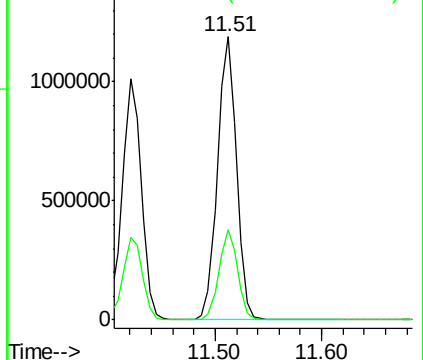
91 100

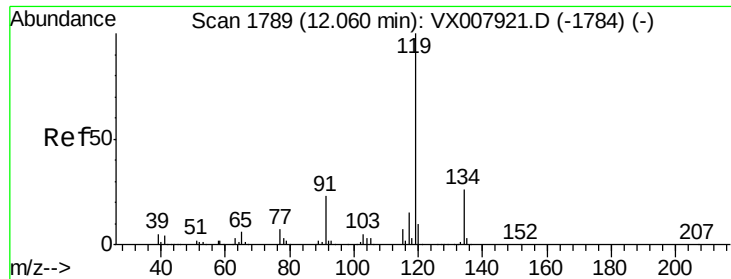
126 31.2 0.0 66.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V

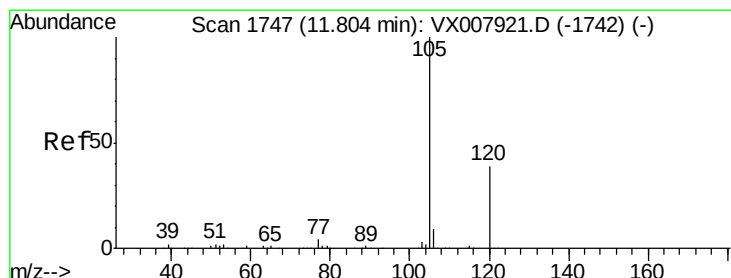
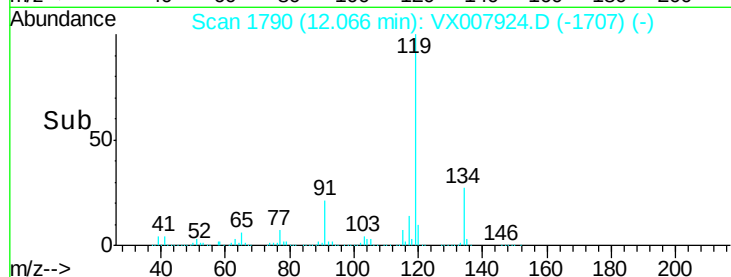
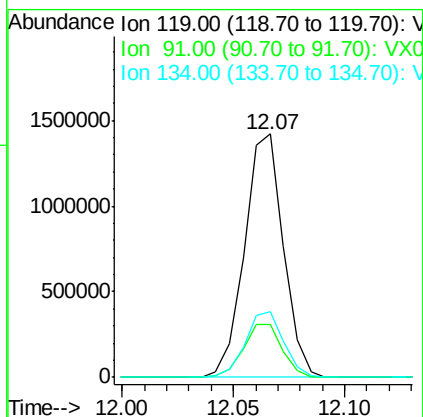
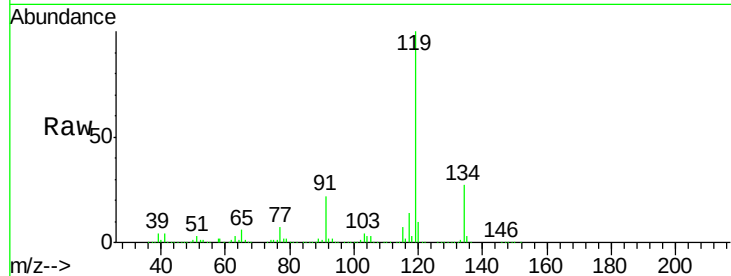




#79
tert-butylbenzene
Concen: 148.396 ug/l
RT: 12.07 min Scan# 1790
Delta R.T. 0.01 min
Lab File: VX007924.D
Acq: 08 Mar 2019 11:40

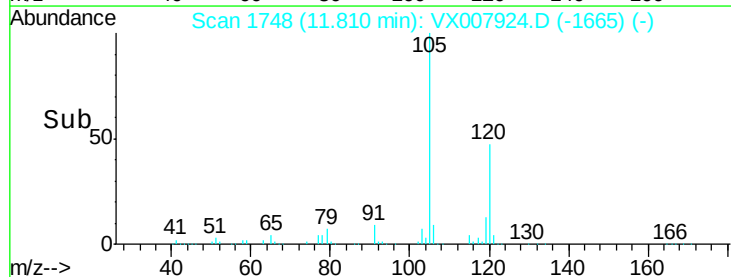
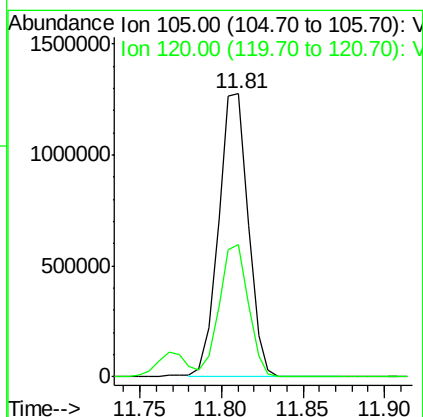
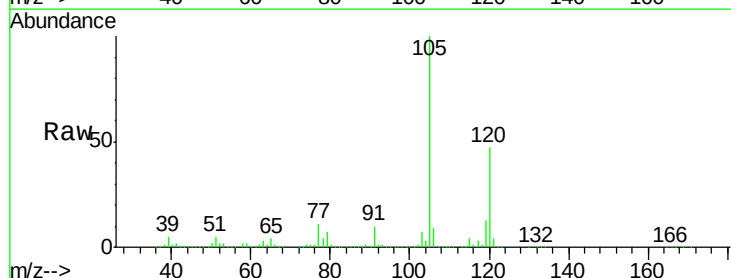
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

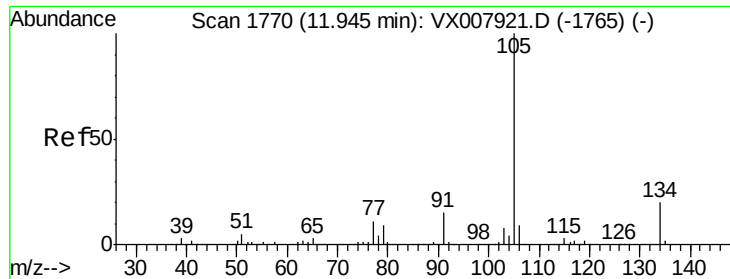
Tot Ion:119 Resp: 1722722
Ion Ratio Lower Upper
119 100
91 22.1 0.0 45.0
134 26.6 0.0 55.4



#80
1,2,4-Trimethylbenzene
Concen: 147.288 ug/l
RT: 11.81 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VX007924.D
Acq: 08 Mar 2019 11:40

Tgt Ion:105 Resp: 1617126
Ion Ratio Lower Upper
105 100
120 45.8 0.0 94.0





#81

sec-Butylbenzene

Concen: 147.654 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX007924.D

Acq: 08 Mar 2019 11:40

Instrument :

MSVOA_X

ClientSampled :

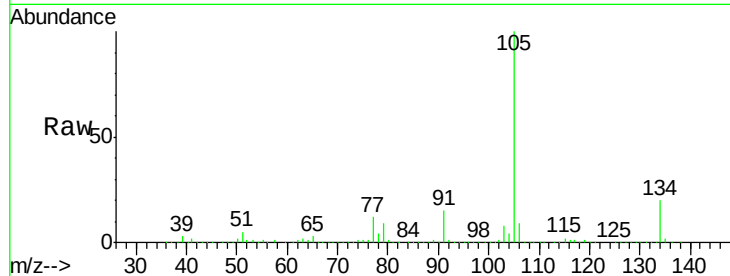
VSTDIC150

Tot Ion:105 Resp: 1919956

Ion Ratio Lower Upper

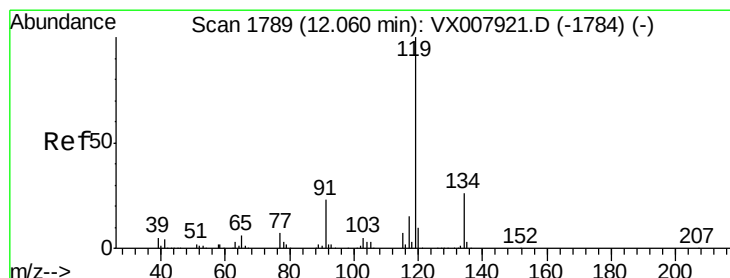
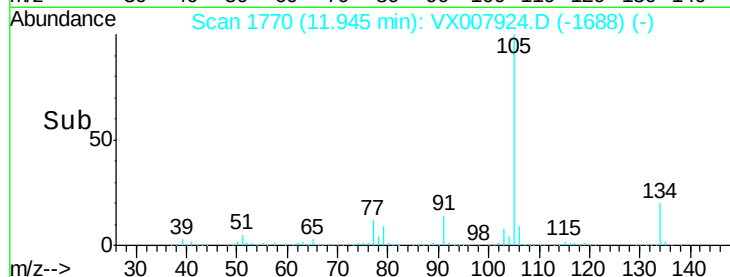
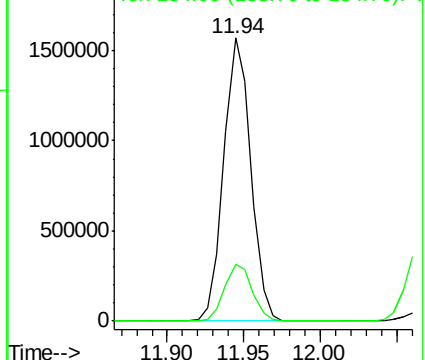
105 100

134 20.6 0.0 41.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 148.396 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.01 min

Lab File: VX007924.D

Acq: 08 Mar 2019 11:40

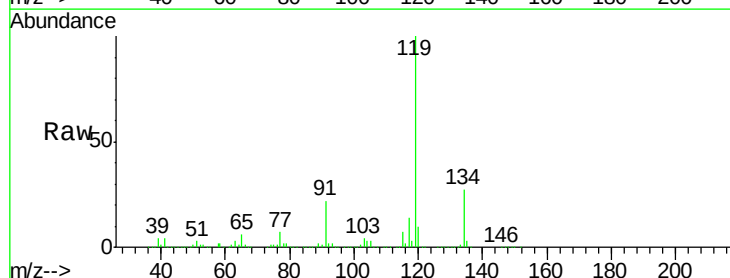
Tgt Ion:119 Resp: 1722722

Ion Ratio Lower Upper

119 100

134 26.6 0.0 55.4

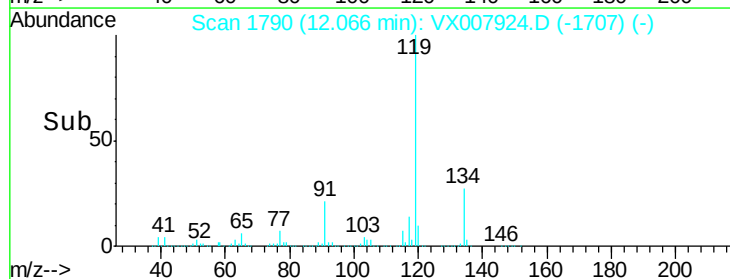
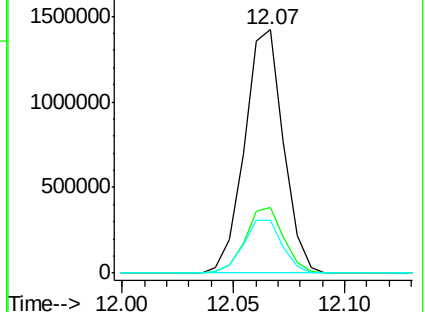
91 22.1 0.0 45.0

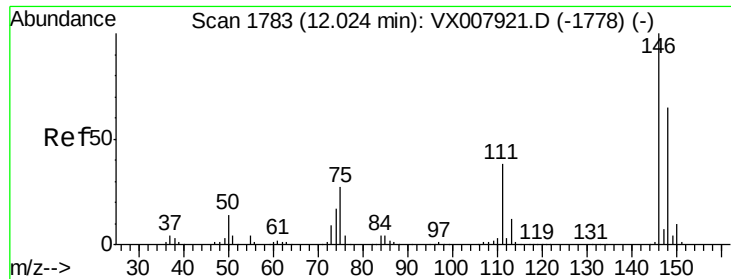


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

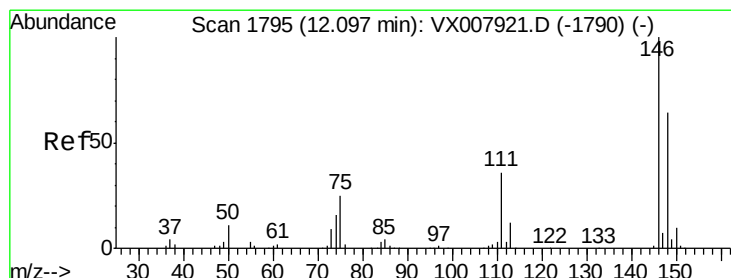
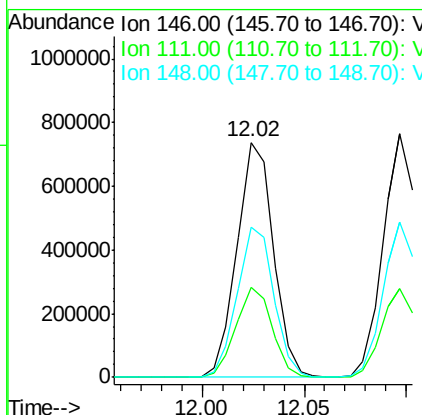
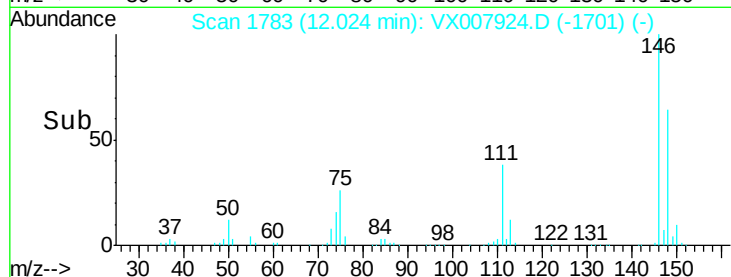
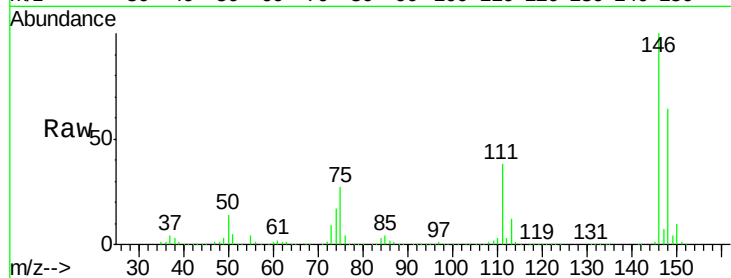




#83
 1,3-Dichlorobenzene
 Concen: 148.437 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX007924.D
 Acq: 08 Mar 2019 11:40

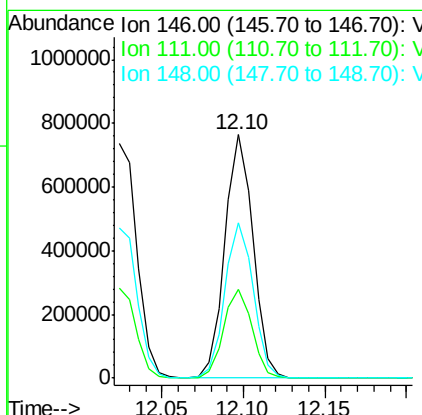
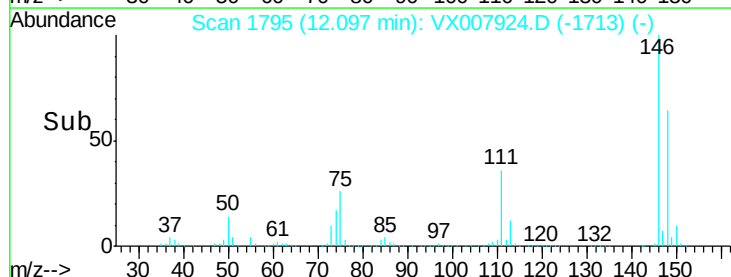
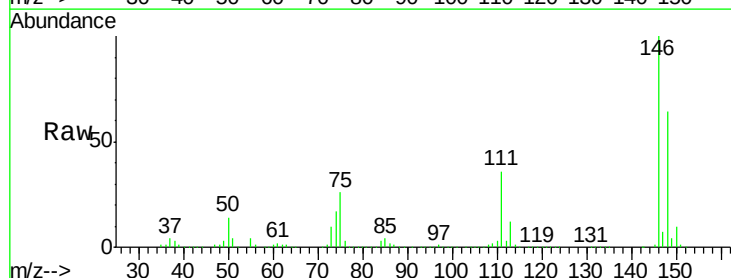
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

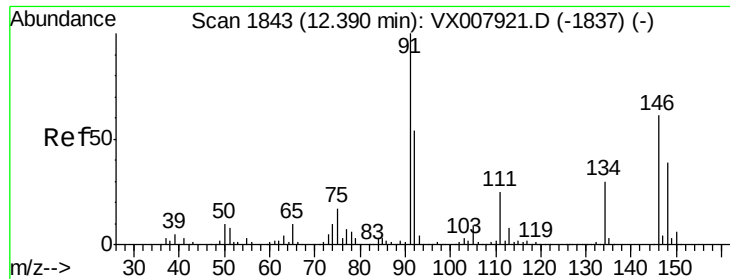
Tot Ion:146 Resp: 917105
 Ion Ratio Lower Upper
 146 100
 111 38.1 18.8 56.3
 148 64.4 30.6 91.8



#84
 1,4-Dichlorobenzene
 Concen: 148.607 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX007924.D
 Acq: 08 Mar 2019 11:40

Tgt Ion:146 Resp: 918634
 Ion Ratio Lower Upper
 146 100
 111 36.7 17.6 52.8
 148 64.0 31.4 94.2





#85

n-Butylbenzene

Concen: 155.090 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX007924.D

Acq: 08 Mar 2019 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

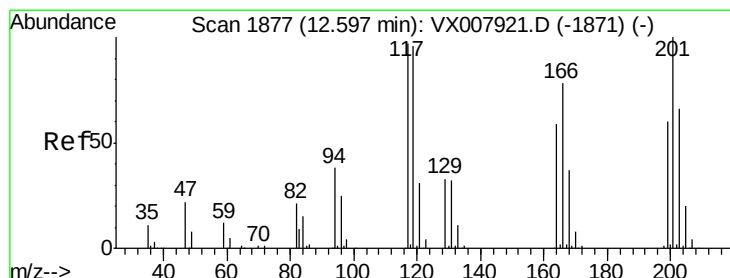
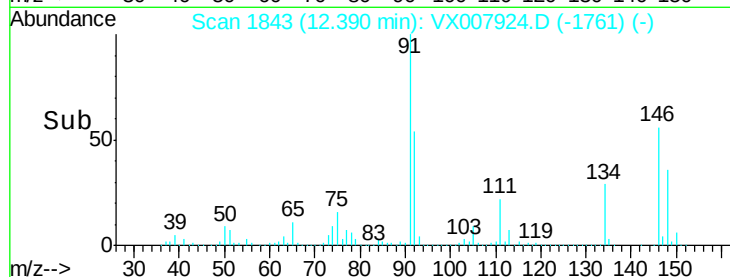
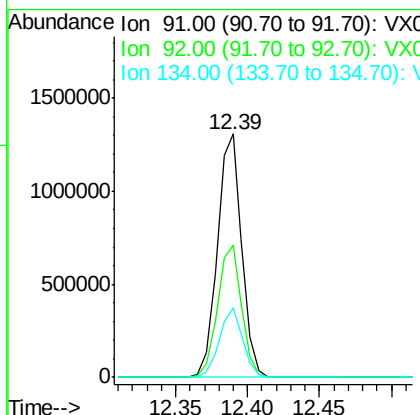
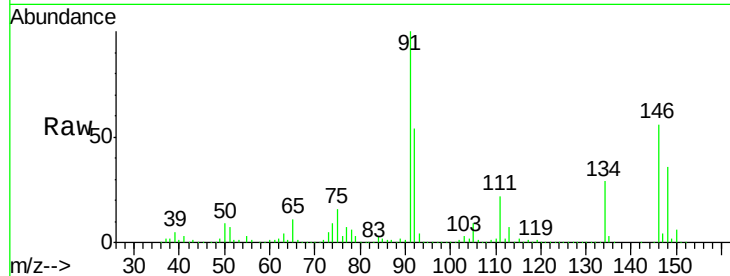
Tot Ion: 91 Resp: 1539762

Ion Ratio Lower Upper

91 100

92 53.8 0.0 105.2

134 27.5 0.0 56.4



#86

Hexachloroethane

Concen: 159.289 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX007924.D

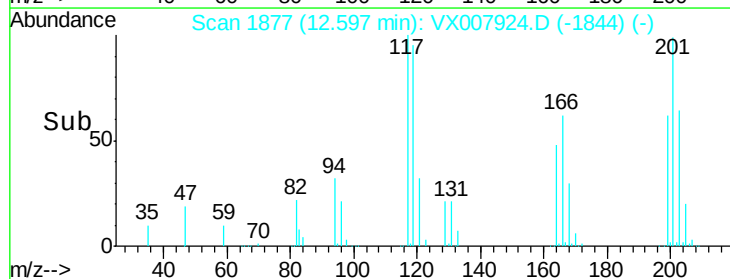
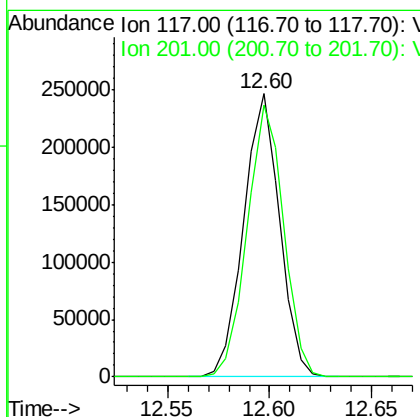
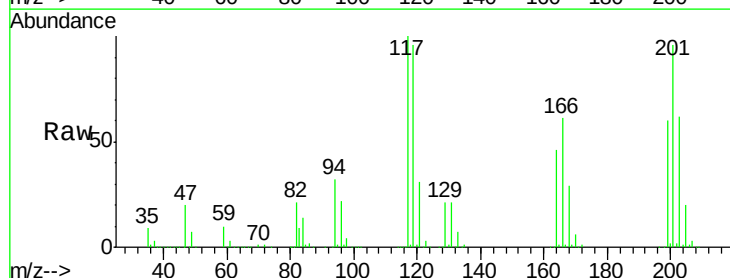
Acq: 08 Mar 2019 11:40

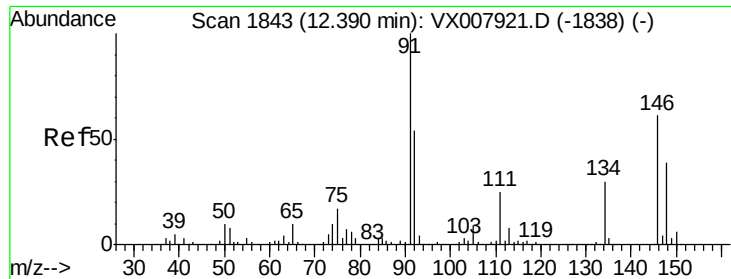
Tgt Ion: 117 Resp: 301296

Ion Ratio Lower Upper

117 100

201 97.8 41.1 123.3

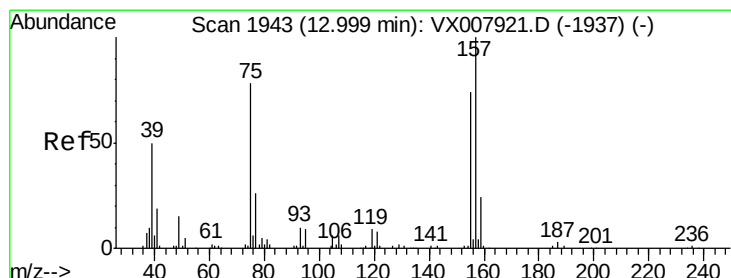
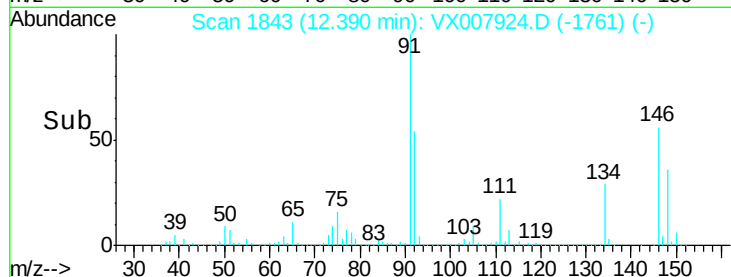
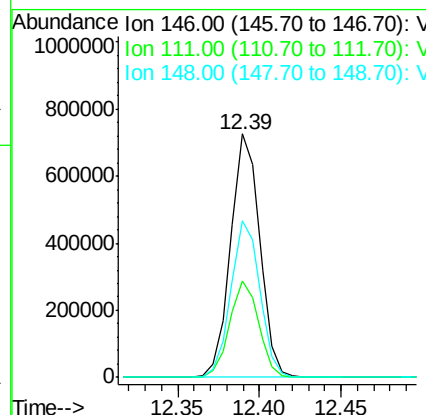
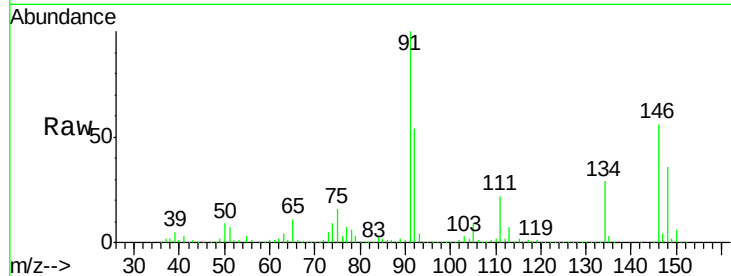




#87
 1,2-Dichlorobenzene
 Concen: 147.283 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX007924.D
 Acq: 08 Mar 2019 11:40

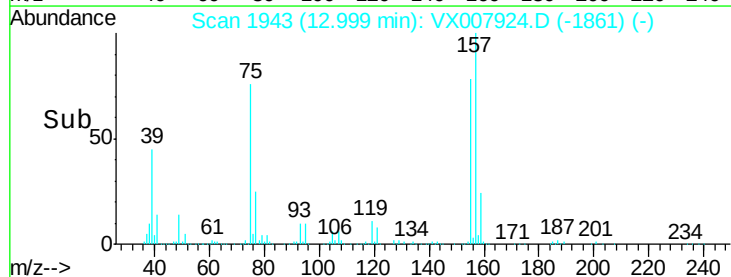
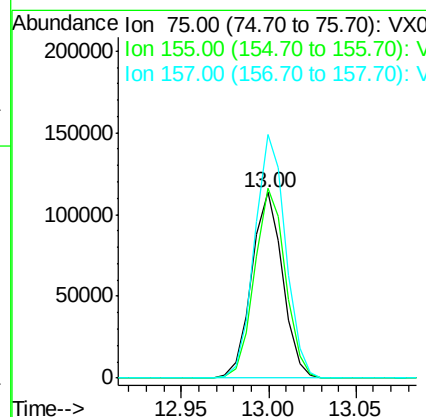
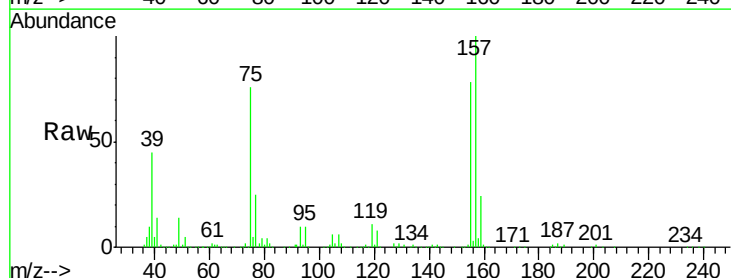
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

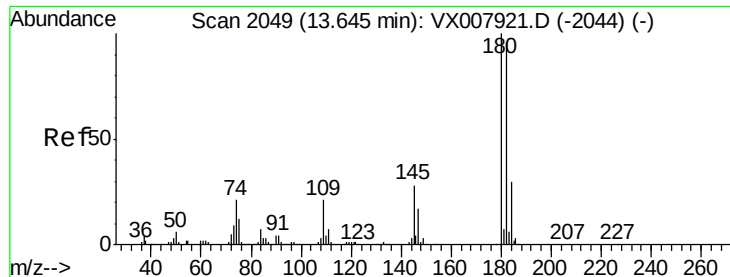
Tot Ion:146 Resp: 899315
 Ion Ratio Lower Upper
 146 100
 111 39.3 19.3 57.8
 148 64.2 32.1 96.3



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 158.483 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX007924.D
 Acq: 08 Mar 2019 11:40

Tgt Ion: 75 Resp: 139558
 Ion Ratio Lower Upper
 75 100
 155 101.8 81.0 121.6
 157 131.1 103.2 154.8

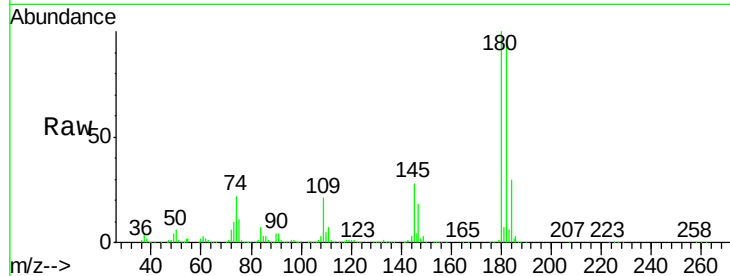




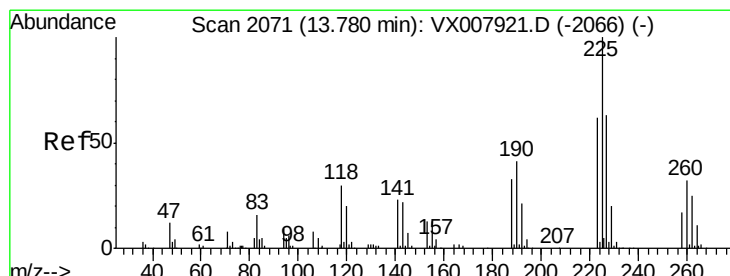
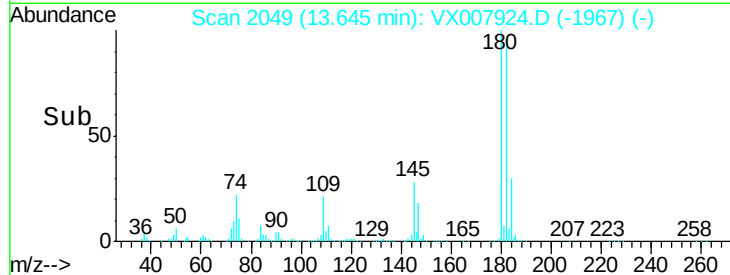
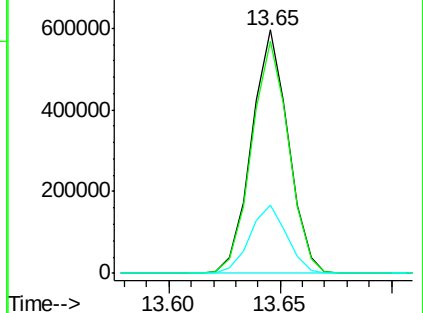
#89
 1,2,4-Trichlorobenzene
 Concen: 156.105 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX007924.D
 Acq: 08 Mar 2019 11:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	75.6	113.4
145	28.2	23.0	34.6

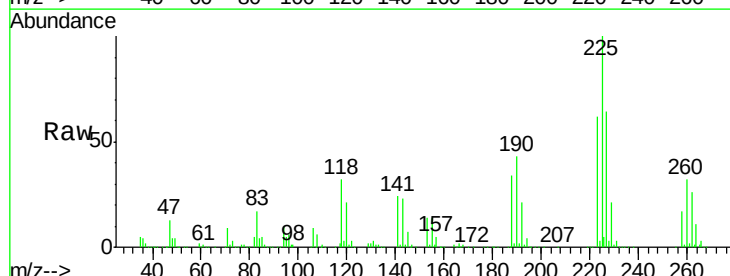


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

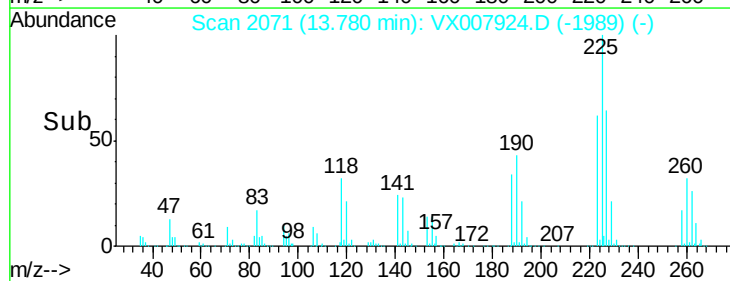
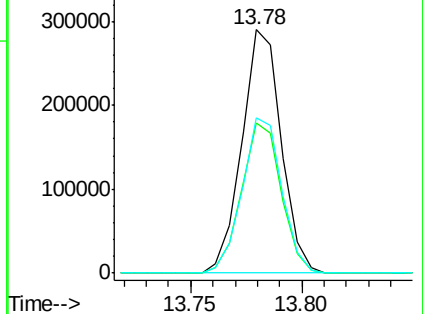


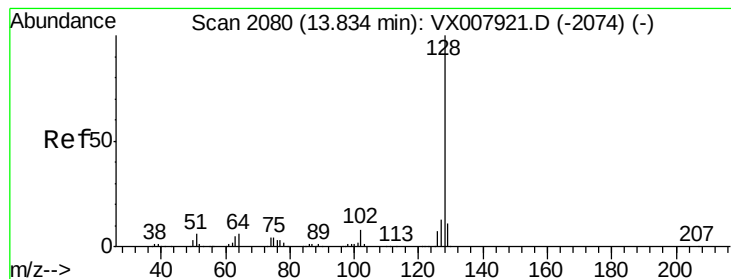
#90
 Hexachlorobutadiene
 Concen: 148.151 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX007924.D
 Acq: 08 Mar 2019 11:40

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.2	0.0	123.8
227	64.2	0.0	124.4



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





#91

Naphthalene

Concen: 156.932 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX007924.D

Acq: 08 Mar 2019 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

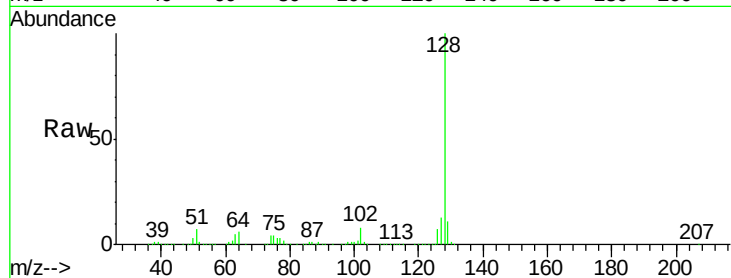
Tot Ion:128 Resp: 1974049

Ion Ratio Lower Upper

128 100

127 12.9 10.5 15.7

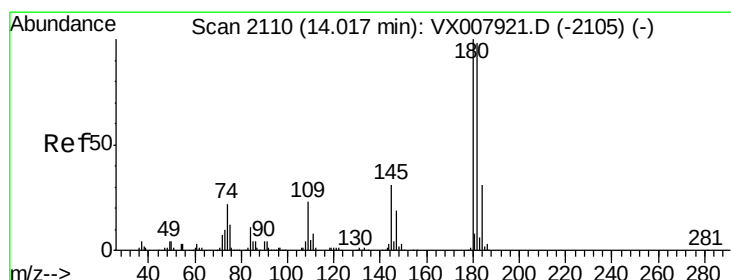
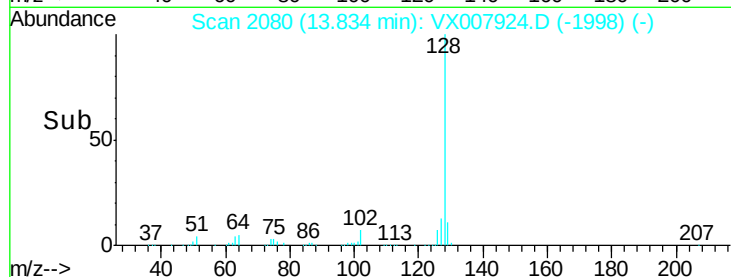
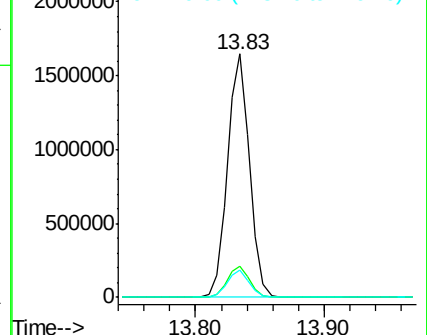
129 11.0 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 154.243 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX007924.D

Acq: 08 Mar 2019 11:40

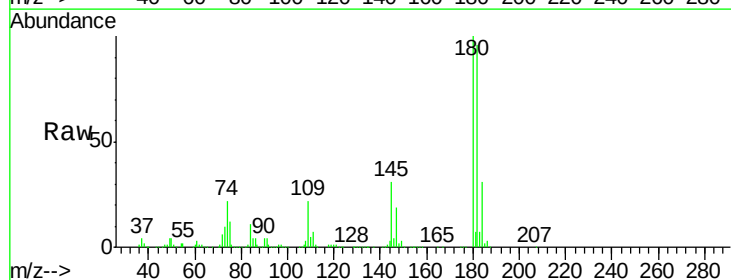
Tgt Ion:180 Resp: 672781

Ion Ratio Lower Upper

180 100

182 95.8 0.0 193.0

145 30.0 0.0 63.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

