

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX042420\
 Data File : VX015924.D
 Acq On : 24 Apr 2020 11:05
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Quant Time: Apr 24 12:36:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042420W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 24 12:30:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	155494	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	284309	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	267026	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	125276	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	2356	1.09	ug/l	0.00
Spiked Amount			Recovery	=	2.18%	
35) Dibromofluoromethane	5.46	113	1715	1.08	ug/l	0.00
Spiked Amount			Recovery	=	2.16%	
50) Toluene-d8	8.70	98	6495	1.02	ug/l	0.00
Spiked Amount			Recovery	=	2.04%	
62) 4-Bromofluorobenzene	11.12	95	3245	1.20	ug/l	0.00
Spiked Amount			Recovery	=	2.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	1380	0.845	ug/l	97
3) Chloromethane	1.31	50	1602	0.952	ug/l	91
4) Vinyl Chloride	1.39	62	1883	0.866	ug/l	94
5) Bromomethane	1.64	94	1054	1.084	ug/l	92
6) Chloroethane	1.72	64	1195	0.894	ug/l	97
7) Trichlorofluoromethane	1.92	101	2443	0.937	ug/l	93
8) Diethyl Ether	2.17	74	1294	1.033	ug/l	70
9) 1,1,2-Trichlorotrifluoroet	2.37	101	1467	0.895	ug/l	97
10) Methyl Iodide	2.49	142	1072	0.685	ug/l #	97
11) Tert butyl alcohol	3.01	59	1879	4.186	ug/l	100
12) 1,1-Dichloroethene	2.36	96	1582	0.922	ug/l	99
13) Acrolein	2.27	56	1453	4.898	ug/l #	59
14) Allyl chloride	2.71	41	2844	0.931	ug/l	95
15) Acrylonitrile	3.12	53	4252	4.292	ug/l	98
16) Acetone	2.42	43	3933	4.891	ug/l	97
17) Carbon Disulfide	2.55	76	6892	1.255	ug/l	97
18) Methyl Acetate	2.75	43	2239	0.930	ug/l	99
19) Methyl tert-butyl Ether	3.17	73	5479	0.896	ug/l	97
20) Methylene Chloride	2.84	84	1881	0.945	ug/l #	90
21) trans-1,2-Dichloroethene	3.14	96	1740	0.908	ug/l	93
22) Diisopropyl ether	3.82	45	5595	0.932	ug/l #	86
23) Vinyl Acetate	3.79	43	20916	4.293	ug/l	97
24) 1,1-Dichloroethane	3.67	63	3085	0.903	ug/l	98
25) 2-Butanone	4.64	43	5728	4.447	ug/l	98
26) 2,2-Dichloropropane	4.55	77	2756	0.904	ug/l	81
27) cis-1,2-Dichloroethene	4.57	96	2082	0.955	ug/l	91
28) Bromochloromethane	4.98	49	1468	0.963	ug/l #	97
29) Tetrahydrofuran	5.09	42	3930	4.591	ug/l	95
30) Chloroform	5.18	83	3015	0.893	ug/l #	81
31) Cyclohexane	5.55	56	2704	0.870	ug/l	94
32) 1,1,1-Trichloroethane	5.46	97	2880	0.940	ug/l #	51
36) 1,1-Dichloropropene	5.77	75	2698	1.003	ug/l	96
37) Ethyl Acetate	4.79	43	2686	0.998	ug/l #	92
38) Carbon Tetrachloride	5.76	117	2209	0.911	ug/l #	83

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 ClientSampleId :
 VSTDIC001

Quant Time: Apr 24 12:36:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042420W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 24 12:30:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	2907	0.898	ug/l	96
40) Benzene	6.12	78	7062	0.905	ug/l	99
41) Methacrylonitrile	5.01	41	1663	1.077	ug/l #	85
42) 1,2-Dichloroethane	6.17	62	2480	0.907	ug/l	99
43) Isopropyl Acetate	6.41	43	3868	0.889	ug/l	96
44) Trichloroethene	7.20	130	2240	0.924	ug/l	85
45) 1,2-Dichloropropane	7.49	63	1791	0.899	ug/l #	88
46) Dibromomethane	7.64	93	1211	0.907	ug/l	95
47) Bromodichloromethane	7.88	83	2404	0.899	ug/l	100
48) Methyl methacrylate	7.74	41	2005	0.936	ug/l	94
49) 1,4-Dioxane	7.71	88	854	18.338	ug/l #	81
51) 4-Methyl-2-Pentanone	8.62	43	10377	4.129	ug/l	98
52) Toluene	8.77	92	4345	0.879	ug/l	100
53) t-1,3-Dichloropropene	9.02	75	2847	0.880	ug/l	91
54) cis-1,3-Dichloropropene	8.42	75	2917	0.863	ug/l	94
55) 1,1,2-Trichloroethane	9.20	97	1811	0.915	ug/l	95
56) Ethyl methacrylate	9.16	69	2631	0.853	ug/l #	90
57) 1,3-Dichloropropane	9.35	76	2867	0.853	ug/l	95
58) 2-Chloroethyl Vinyl ether	8.29	63	6312	4.114	ug/l	98
59) 2-Hexanone	9.48	43	7688	4.072	ug/l	99
60) Dibromochloromethane	9.57	129	1500	0.792	ug/l	100
61) 1,2-Dibromoethane	9.65	107	1794	0.884	ug/l	97
64) Tetrachloroethene	9.32	164	2405	0.907	ug/l	93
65) Chlorobenzene	10.12	112	4574	0.880	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	1574	0.864	ug/l #	60
67) Ethyl Benzene	10.24	91	8806	0.916	ug/l	98
68) m/p-Xylenes	10.34	106	6088	1.740	ug/l	93
69) o-Xylene	10.68	106	3045	0.893	ug/l	96
70) Styrene	10.70	104	4858	0.845	ug/l	96
71) Bromoform	10.84	173	903	0.779	ug/l #	99
73) Isopropylbenzene	11.01	105	8507	0.928	ug/l	97
74) N-amyl acetate	10.88	43	3454	0.888	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.26	83	1645	0.824	ug/l	98
76) 1,2,3-Trichloropropane	11.28	75	3002	0.916	ug/l	83
77) Bromobenzene	11.24	156	1927	0.937	ug/l	95
78) n-propylbenzene	11.34	91	10007	0.928	ug/l	98
79) 2-Chlorotoluene	11.40	91	5661	0.901	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	6742	0.878	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.06	75	897	0.840	ug/l	91
82) 4-Chlorotoluene	11.49	91	6692	0.892	ug/l	100
83) tert-Butylbenzene	11.76	119	5983	0.921	ug/l	98
84) 1,2,4-Trimethylbenzene	11.79	105	7216	0.916	ug/l	99
85) sec-Butylbenzene	11.93	105	7898	0.896	ug/l	100
86) p-Isopropyltoluene	12.05	119	7126	0.887	ug/l	90
87) 1,3-Dichlorobenzene	12.01	146	3495	0.923	ug/l	98
88) 1,4-Dichlorobenzene	12.01	146	3495	0.910	ug/l	98
89) n-Butylbenzene	12.37	91	6598	0.876	ug/l	99
90) Hexachloroethane	12.58	117	1031	0.864	ug/l	98
91) 1,2-Dichlorobenzene	12.38	146	3331	0.902	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.98	75	635	0.986	ug/l	80

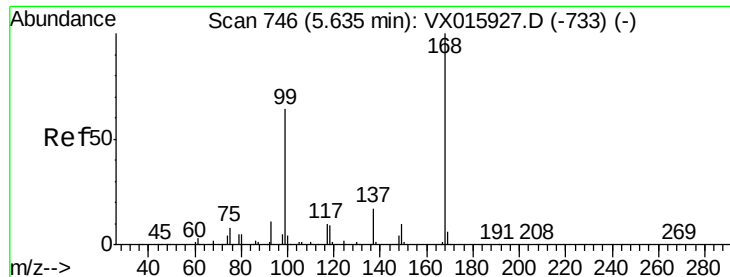
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX042420\
Data File : VX015924.D
Acq On : 24 Apr 2020 11:05
Operator : JC/SP
Sample : VSTDICC001
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Quant Time: Apr 24 12:36:50 2020
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Quant Title : SW846 8260
QLast Update : Fri Apr 24 12:30:30 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	2241	0.956	ug/l	96
94) Hexachlorobutadiene	13.77	225	752	0.900	ug/l	99
95) Naphthalene	13.82	128	7391	0.875	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	1955	0.884	ug/l	93

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.00 min

Lab File: VX015924.D

Acq: 24 Apr 2020 11:05

Instrument :

MSVOA_X

ClientSampleId :

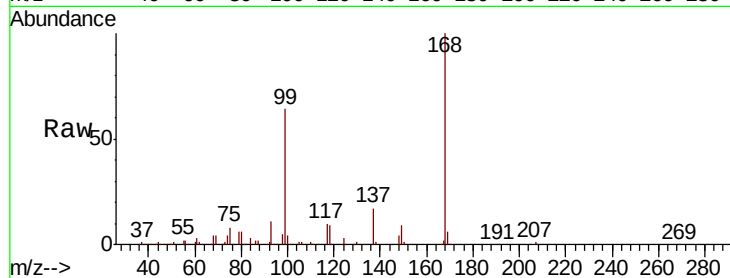
VSTDIC001

Tot Ion:168 Resp: 155494

Ion Ratio Lower Upper

168 100

99 63.8 51.2 76.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

60000

50000

40000

30000

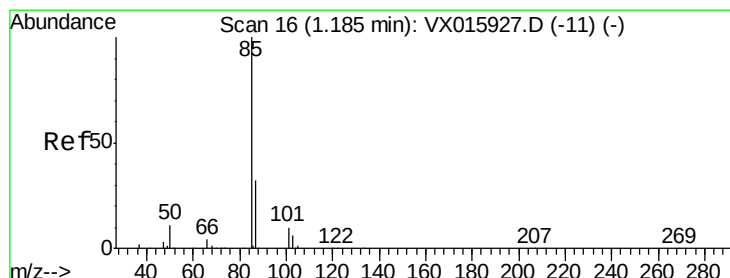
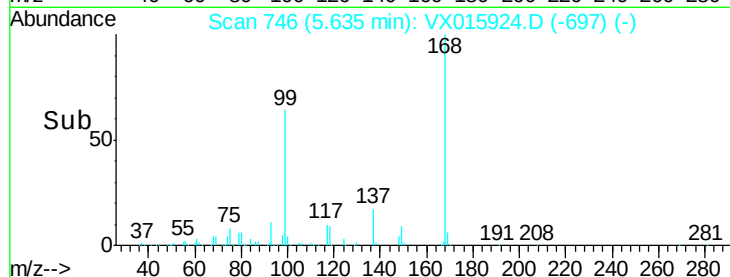
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.845 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX015924.D

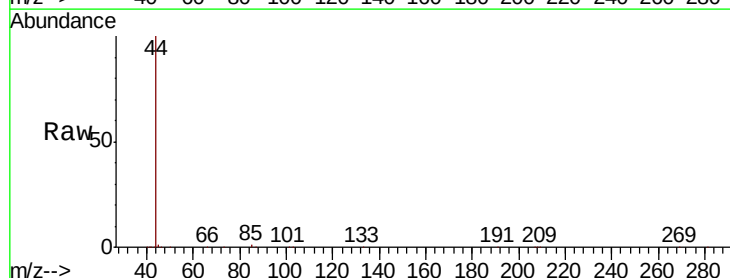
Acq: 24 Apr 2020 11:05

Tgt Ion: 85 Resp: 1380

Ion Ratio Lower Upper

85 100

87 33.6 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

1500

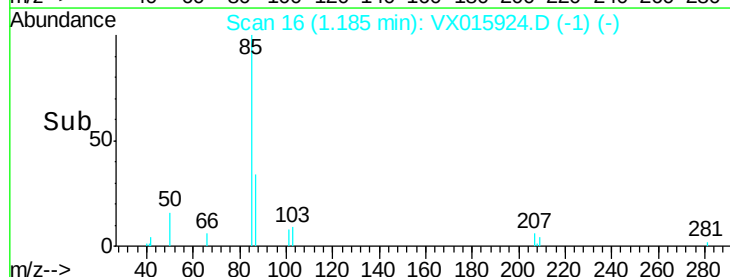
1000

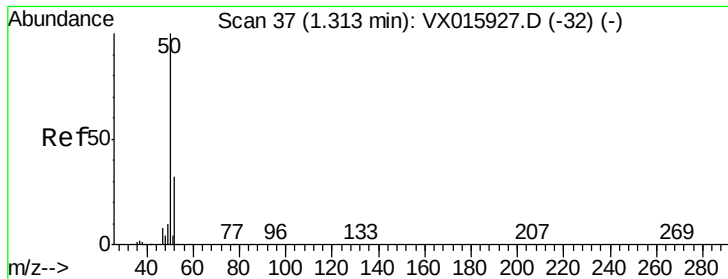
500

0

Time-->

1.15 1.20





#3

Chloromethane

Concen: 0.952 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX015924.D

Acq: 24 Apr 2020 11:05

Instrument :

MSVOA_X

ClientSampleId :

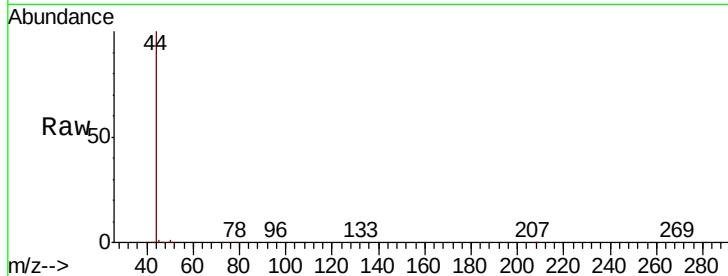
VSTDIC001

Tot Ion: 50 Resp: 1602

Ion Ratio Lower Upper

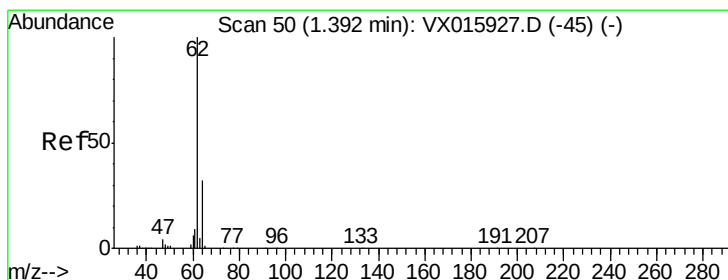
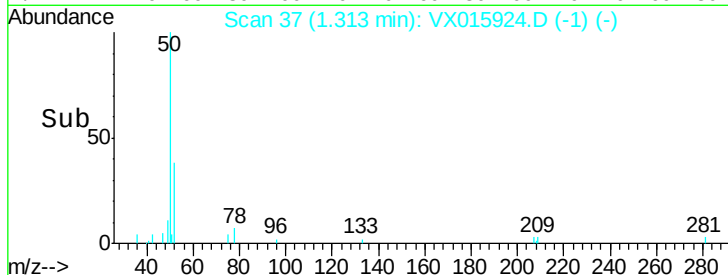
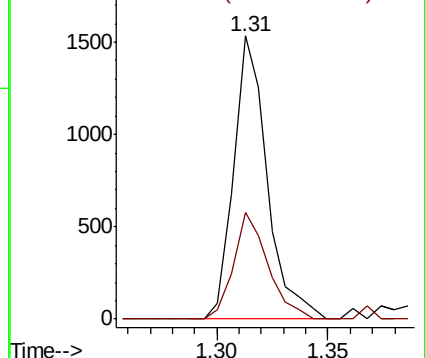
50 100

52 37.5 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 0.866 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX015924.D

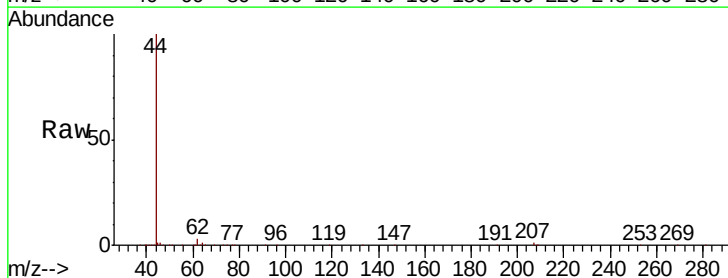
Acq: 24 Apr 2020 11:05

Tgt Ion: 62 Resp: 1883

Ion Ratio Lower Upper

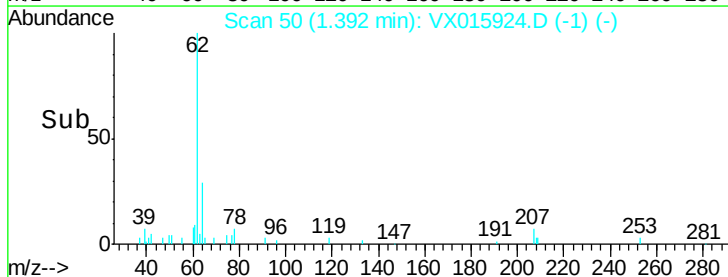
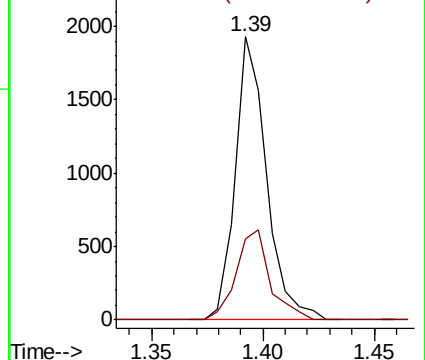
62 100

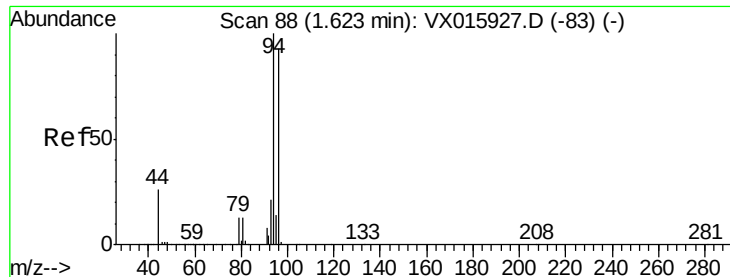
64 28.7 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 1.084 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX015924.D

Acq: 24 Apr 2020 11:05

Instrument :

MSVOA_X

ClientSampleId :

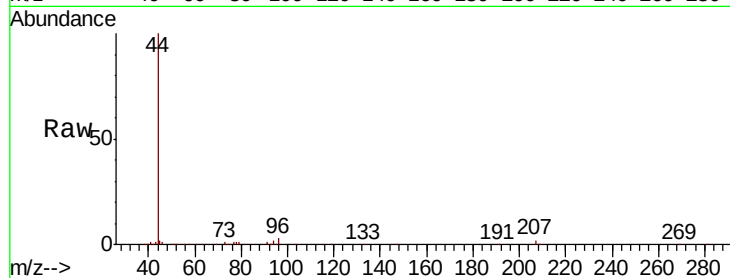
VSTDIC001

Tot Ion: 94 Resp: 1054

Ion Ratio Lower Upper

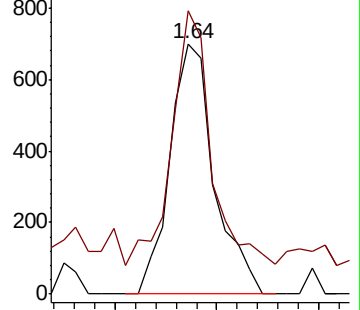
94 100

96 101.4 74.8 112.2

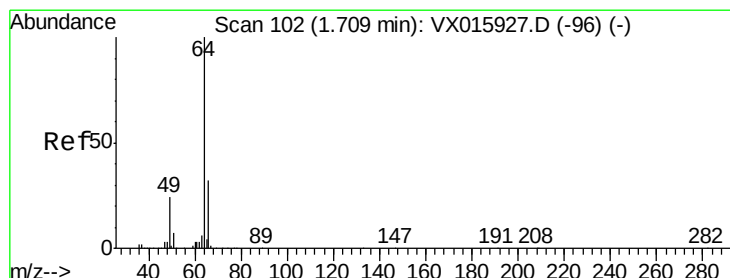
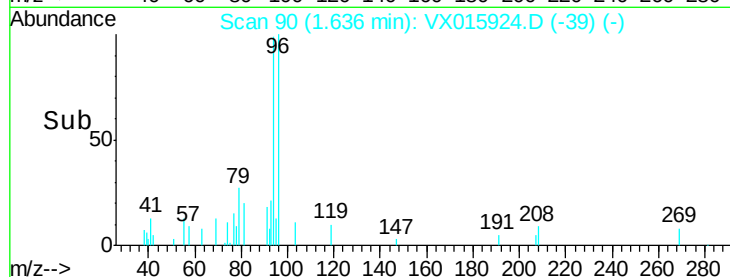


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#6

Chloroethane

Concen: 0.894 ug/l

RT: 1.72 min Scan# 103

Delta R.T. 0.01 min

Lab File: VX015924.D

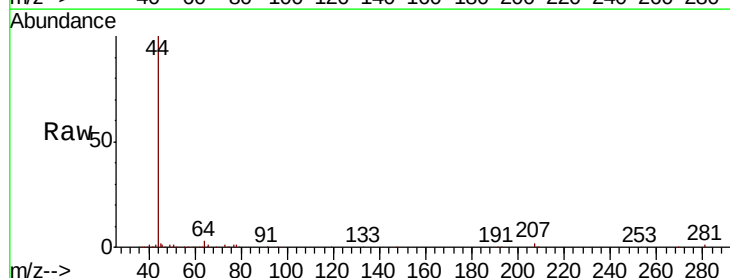
Acq: 24 Apr 2020 11:05

Tgt Ion: 64 Resp: 1195

Ion Ratio Lower Upper

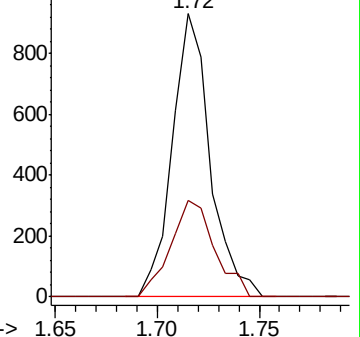
64 100

66 34.2 25.8 38.8

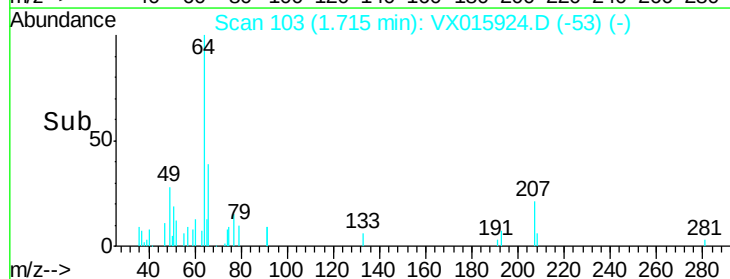


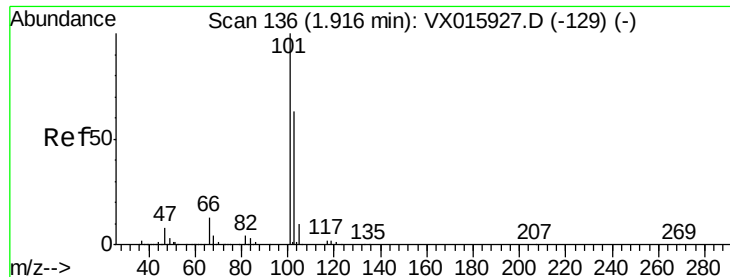
Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



Time-->



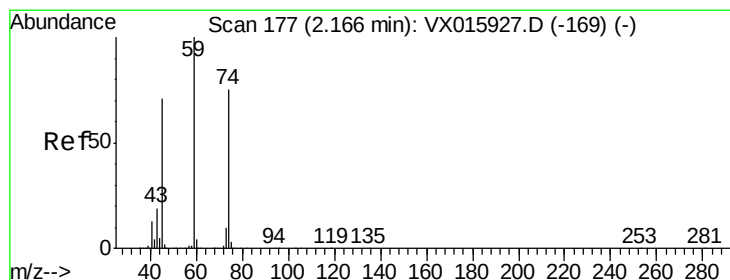
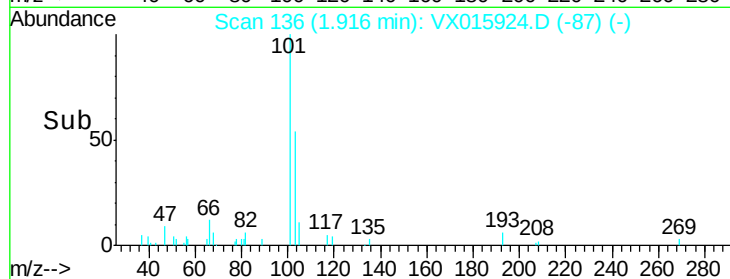
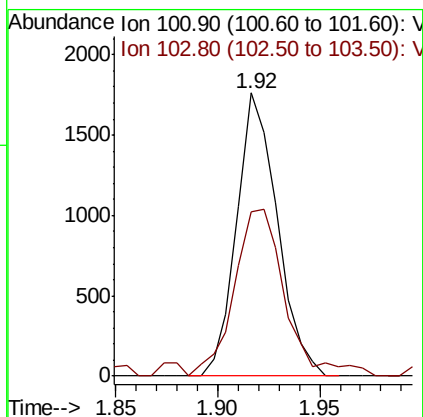
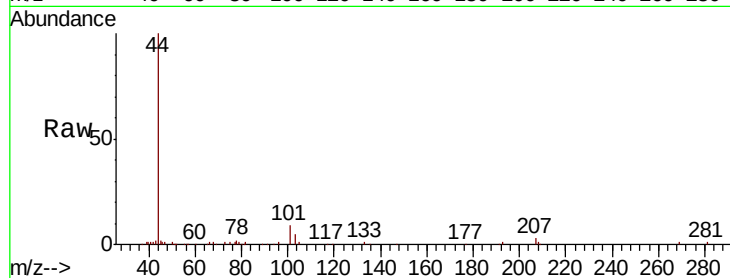


#7

Trichlorofluoromethane
 Concen: 0.937 ug/l
 RT: 1.92 min Scan# 136
 Delta R.T. 0.00 min
 Lab File: VX015924.D
 Acq: 24 Apr 2020 11:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

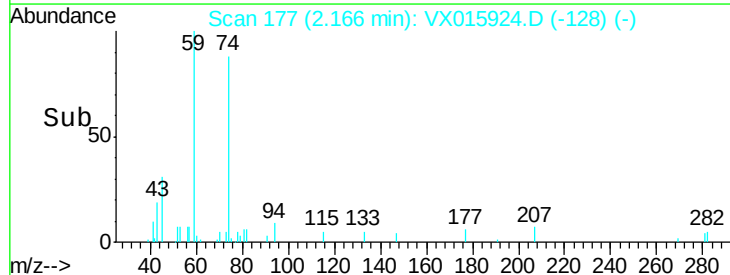
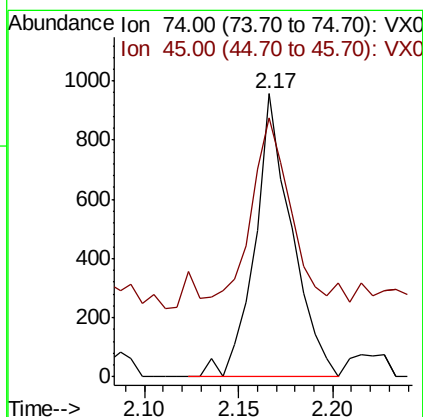
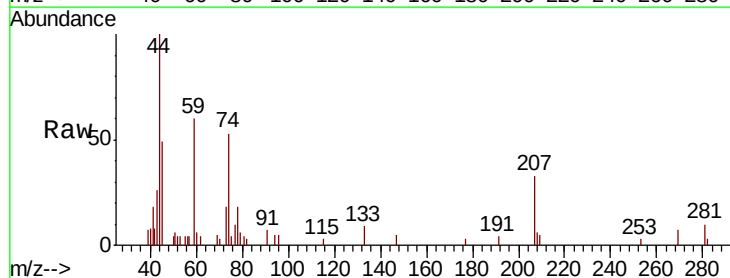
Tot Ion:101 Resp: 2443
 Ion Ratio Lower Upper
 101 100
 103 57.9 50.8 76.2

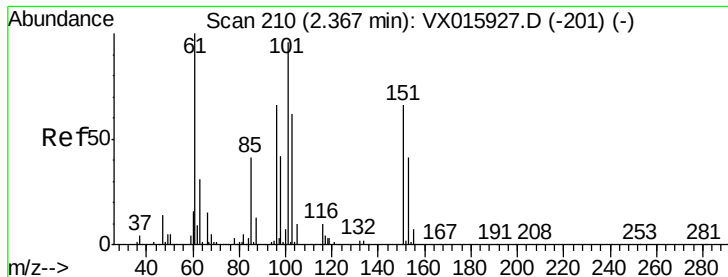


#8

Diethyl Ether
 Concen: 1.033 ug/l
 RT: 2.17 min Scan# 177
 Delta R.T. 0.00 min
 Lab File: VX015924.D
 Acq: 24 Apr 2020 11:05

Tgt Ion: 74 Resp: 1294
 Ion Ratio Lower Upper
 74 100
 45 64.6 46.9 140.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.895 ug/l

RT: 2.37 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX015924.D

Acq: 24 Apr 2020 11:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

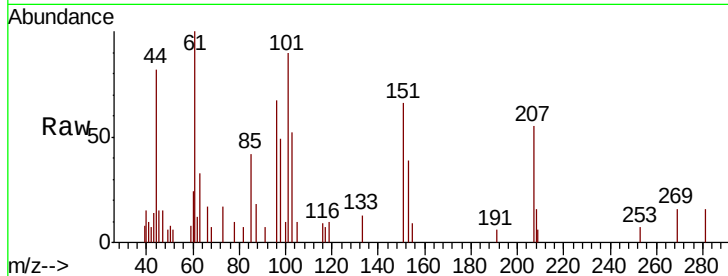
Tot Ion:101 Resp: 1467

Ion Ratio Lower Upper

101 100

85 47.7 34.9 52.3

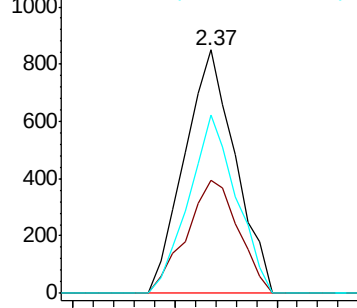
151 68.6 55.8 83.6



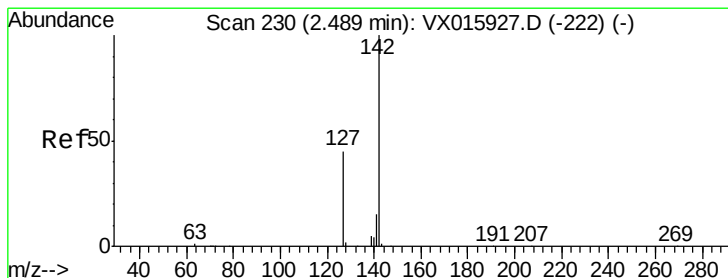
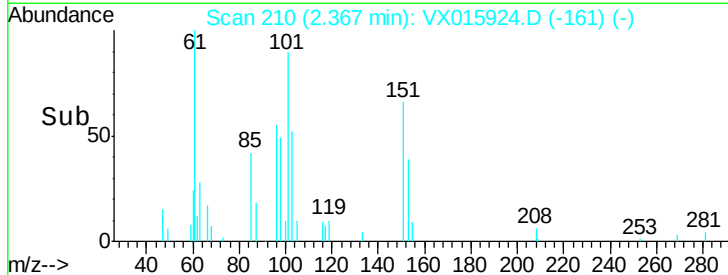
Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



Time--> 2.30 2.35 2.40



#10

Methyl Iodide

Concen: 0.685 ug/l

RT: 2.49 min Scan# 230

Delta R.T. 0.00 min

Lab File: VX015924.D

Acq: 24 Apr 2020 11:05

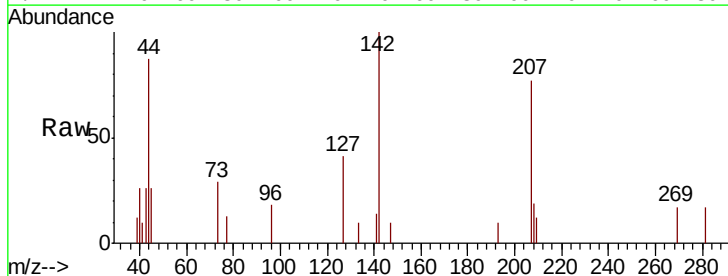
Tgt Ion:142 Resp: 1072

Ion Ratio Lower Upper

142 100

127 43.8 34.4 51.6

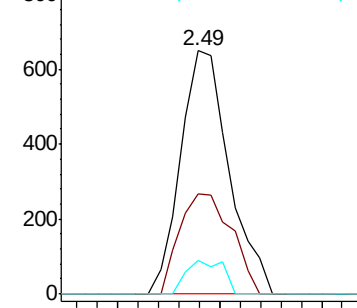
141 10.4 11.5 17.3#



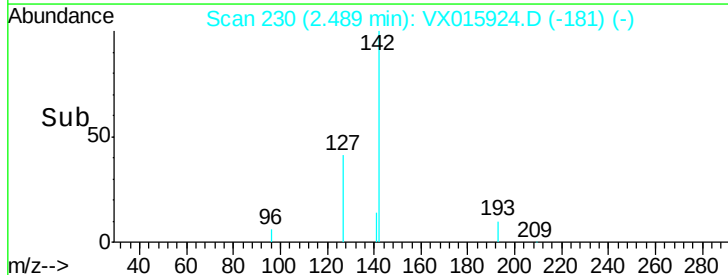
Abundance Ion 141.80 (141.50 to 142.50): V

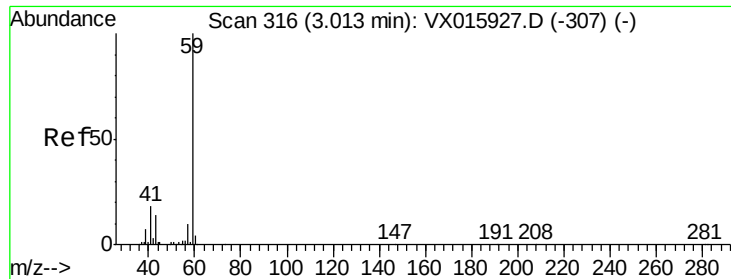
Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



Time--> 2.45 2.50 2.55



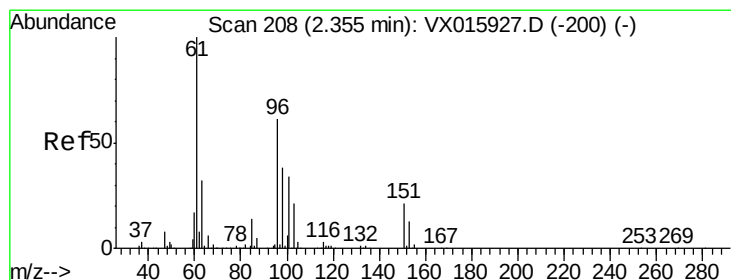
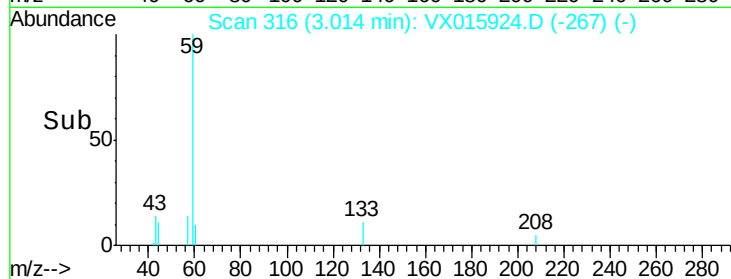
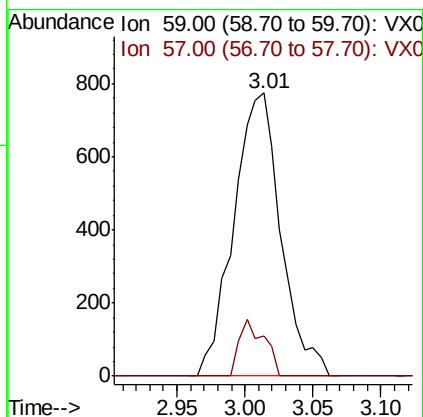
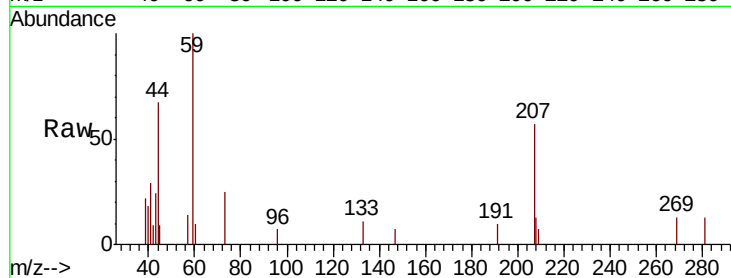


#11

Tert butyl alcohol
 Concen: 4.186 ug/l
 RT: 3.01 min Scan# 316
 Delta R.T. 0.00 min
 Lab File: VX015924.D
 Acq: 24 Apr 2020 11:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

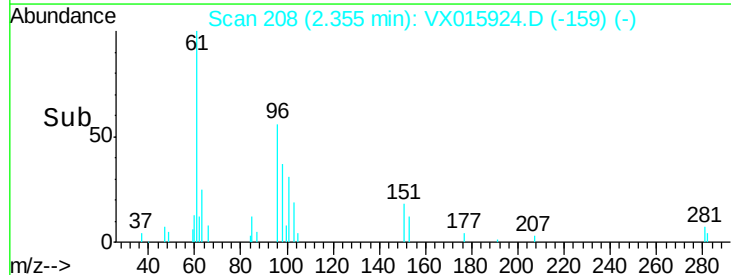
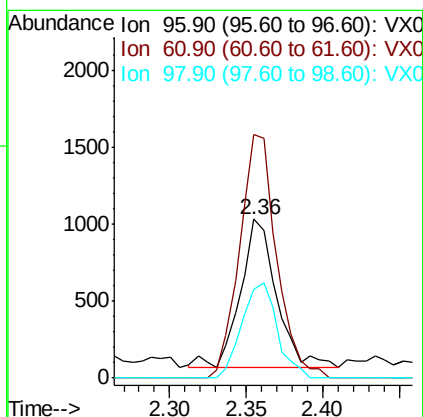
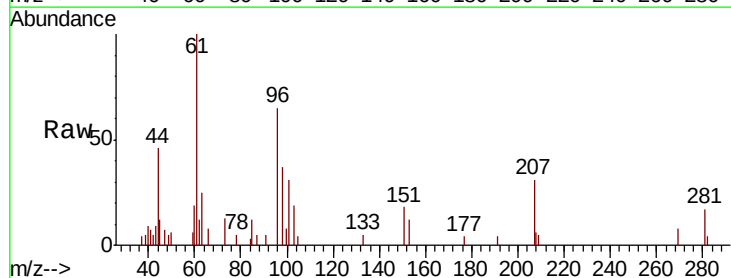
Tot Ion: 59 Resp: 1879
 Ion Ratio Lower Upper
 59 100
 57 10.6 8.4 12.6

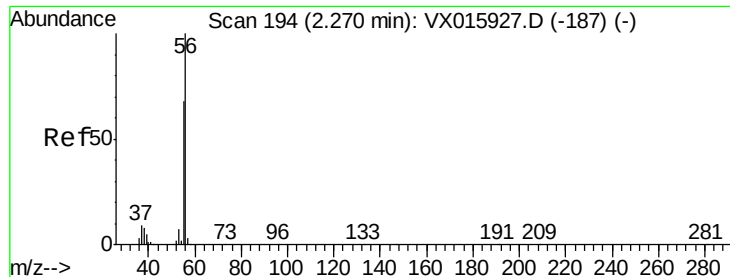


#12

1,1-Dichloroethene
 Concen: 0.922 ug/l
 RT: 2.36 min Scan# 208
 Delta R.T. 0.00 min
 Lab File: VX015924.D
 Acq: 24 Apr 2020 11:05

Tgt Ion: 96 Resp: 1582
 Ion Ratio Lower Upper
 96 100
 61 164.4 131.2 196.8
 98 60.4 50.2 75.4





#13

Acrolein

Concen: 4.898 ug/l

RT: 2.27 min Scan# 194

Delta R.T. 0.00 min

Lab File: VX015924.D

Acq: 24 Apr 2020 11:05

Instrument :

MSVOA_X

ClientSampleId :

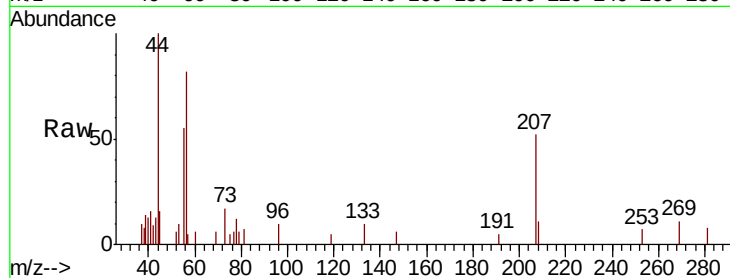
VSTDIC001

Tot Ion: 56 Resp: 1453

Ion Ratio Lower Upper

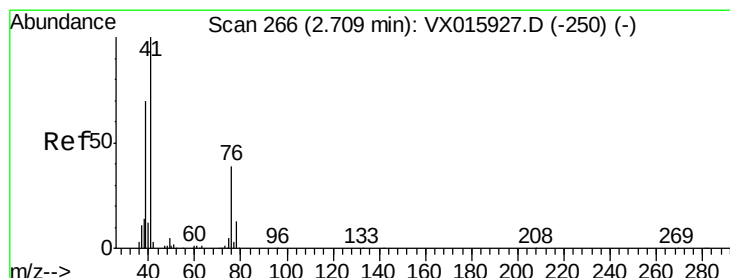
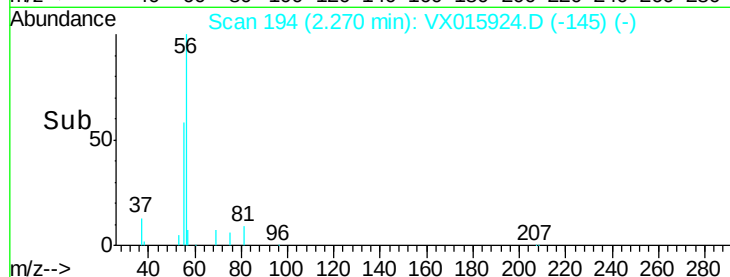
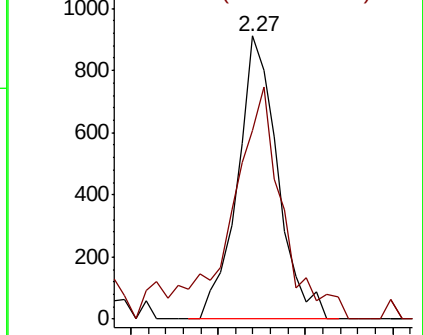
56 100

55 103.4 56.0 84.0#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 0.931 ug/l

RT: 2.71 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX015924.D

Acq: 24 Apr 2020 11:05

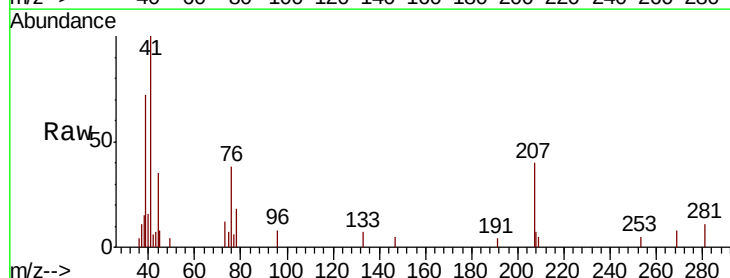
Tgt Ion: 41 Resp: 2844

Ion Ratio Lower Upper

41 100

39 66.9 51.6 77.4

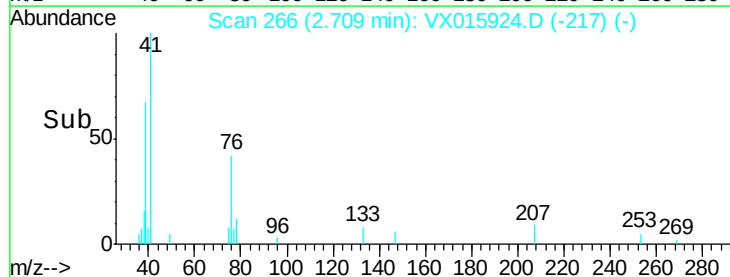
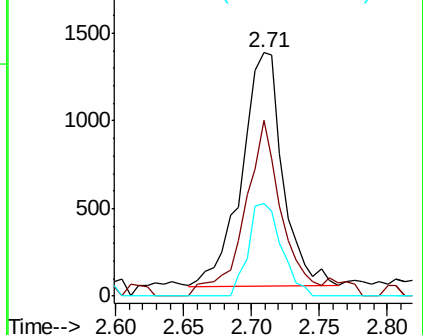
76 32.0 29.3 43.9

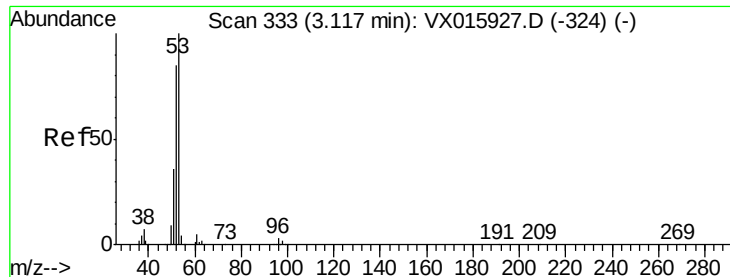


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 4.292 ug/l

RT: 3.12 min Scan# 333

Delta R.T. 0.00 min

Lab File: VX015924.D

Acq: 24 Apr 2020 11:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

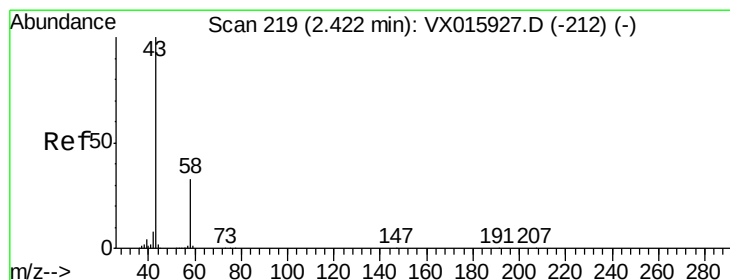
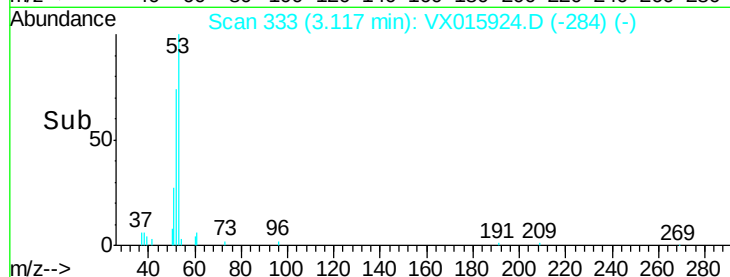
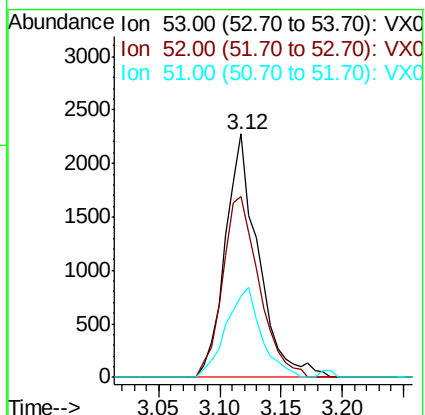
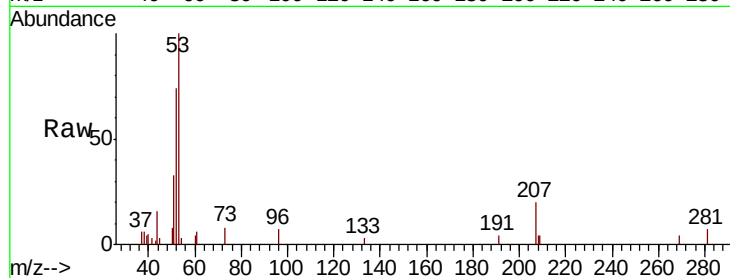
Tot Ion: 53 Resp: 4252

Ion Ratio Lower Upper

53 100

52 82.2 65.5 98.3

51 39.2 28.2 42.2



#16

Acetone

Concen: 4.891 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX015924.D

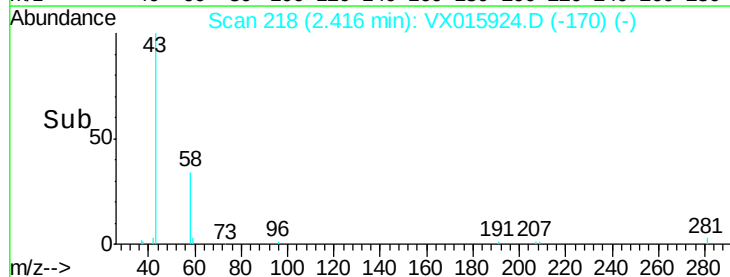
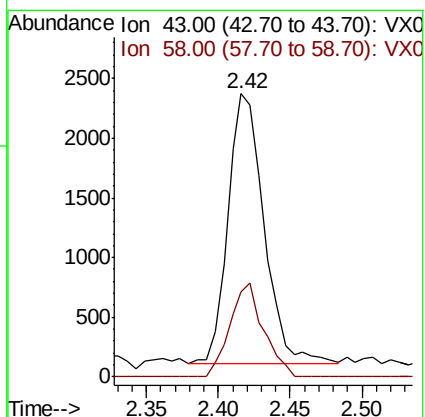
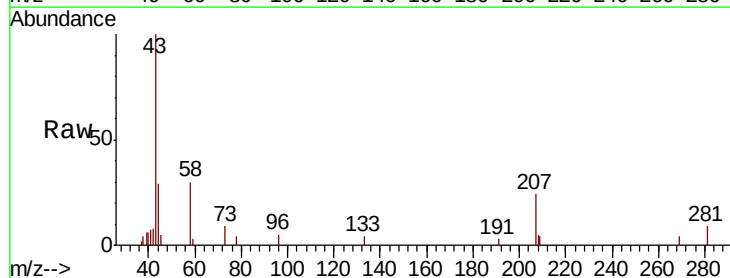
Acq: 24 Apr 2020 11:05

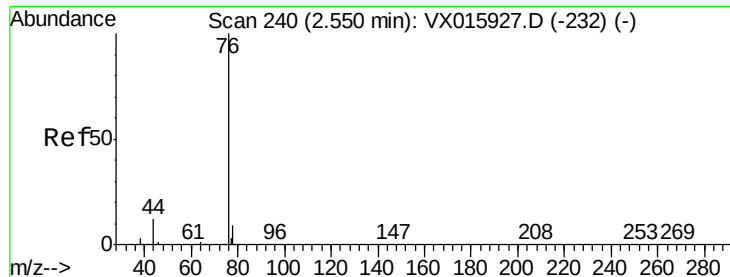
Tgt Ion: 43 Resp: 3933

Ion Ratio Lower Upper

43 100

58 31.4 26.4 39.6





#17

Carbon Disulfide

Concen: 1.255 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX015924.D

Acq: 24 Apr 2020 11:05

Instrument :

MSVOA_X

ClientSampleId :

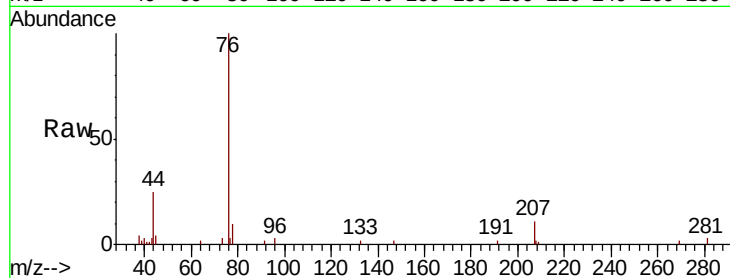
VSTDIC001

Tot Ion: 76 Resp: 6892

Ion Ratio Lower Upper

76 100

78 8.4 7.4 11.2

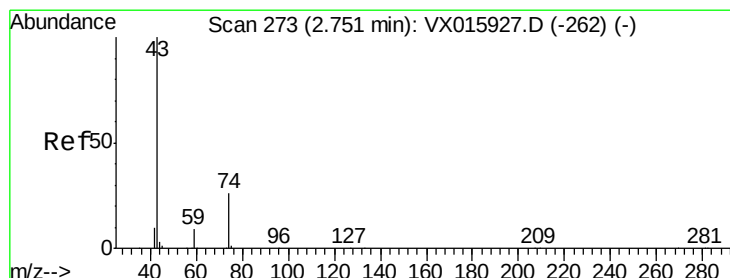
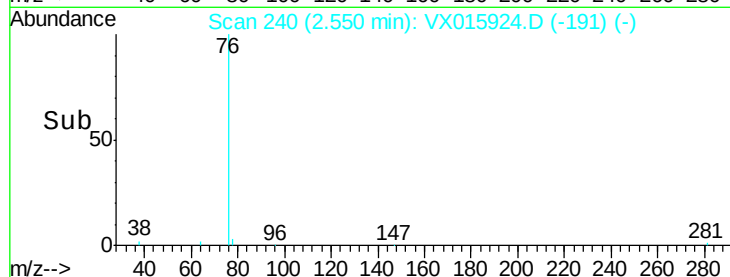


Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.55

Time-->



#18

Methyl Acetate

Concen: 0.930 ug/l

RT: 2.75 min Scan# 272

Delta R.T. -0.01 min

Lab File: VX015924.D

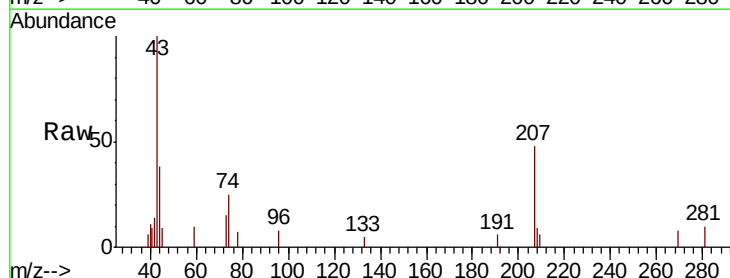
Acq: 24 Apr 2020 11:05

Tgt Ion: 43 Resp: 2239

Ion Ratio Lower Upper

43 100

74 26.7 21.0 31.4

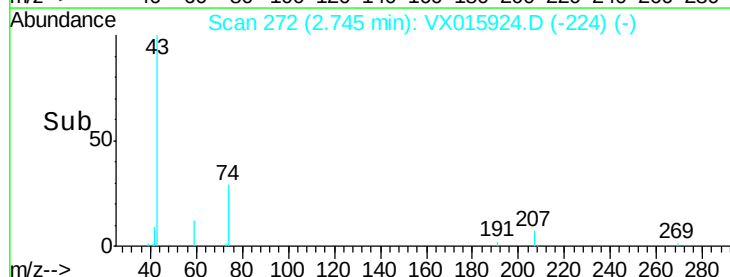


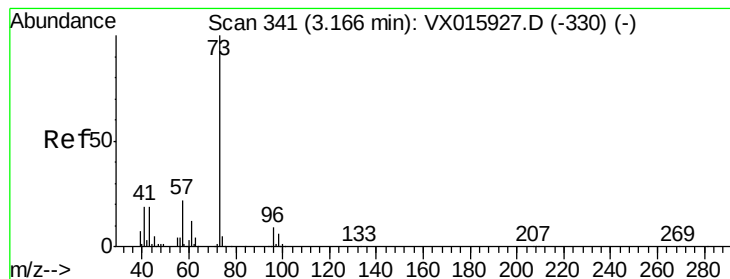
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.75

Time-->



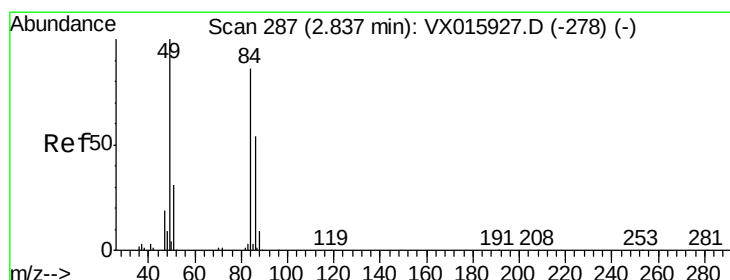
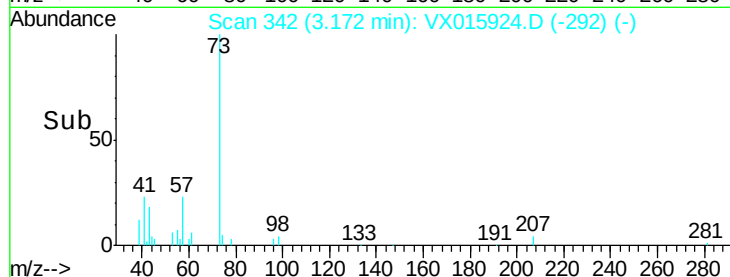
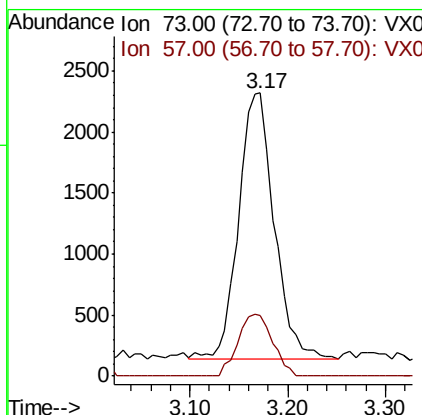
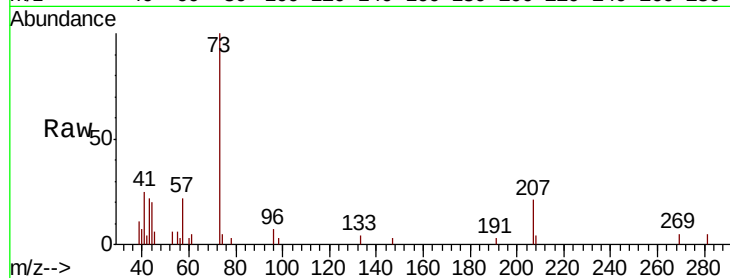


#19

Methyl tert-butyl Ether
 Concen: 0.896 ug/l
 RT: 3.17 min Scan# 342
 Delta R.T. 0.01 min
 Lab File: VX015924.D
 Acq: 24 Apr 2020 11:05

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC001

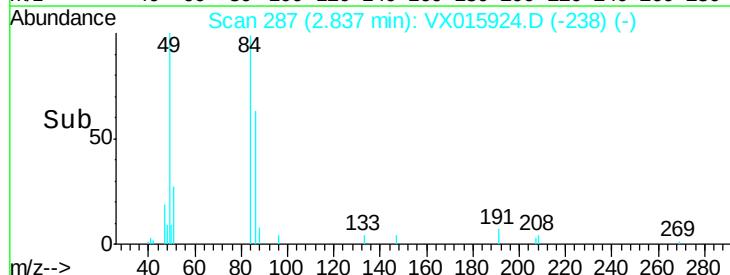
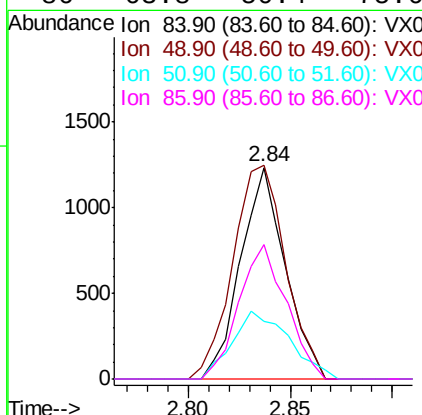
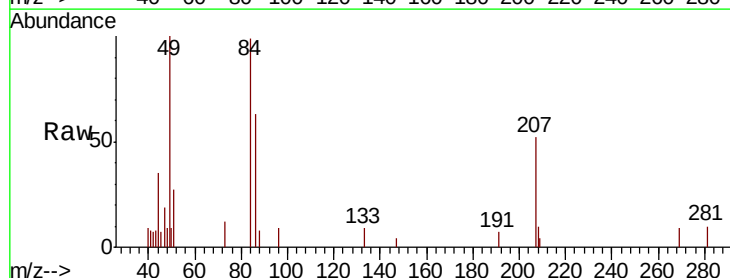
Tot Ion: 73 Resp: 5479
 Ion Ratio Lower Upper
 73 100
 57 23.0 17.3 25.9

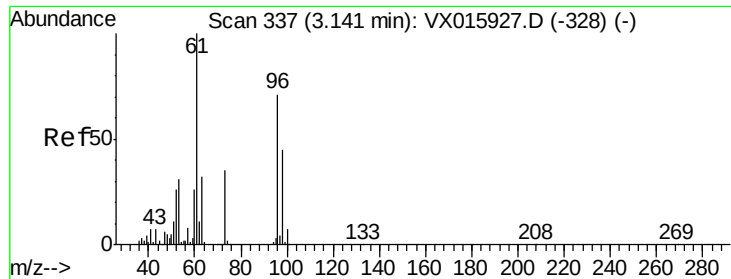


#20

Methylene Chloride
 Concen: 0.945 ug/l
 RT: 2.84 min Scan# 287
 Delta R.T. 0.00 min
 Lab File: VX015924.D
 Acq: 24 Apr 2020 11:05

Tgt Ion: 84 Resp: 1881
 Ion Ratio Lower Upper
 84 100
 49 101.0 93.0 139.6
 51 27.6 28.6 43.0#
 86 63.8 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 0.908 ug/l

RT: 3.14 min Scan# 337

Delta R.T. 0.00 min

Lab File: VX015924.D

Acq: 24 Apr 2020 11:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

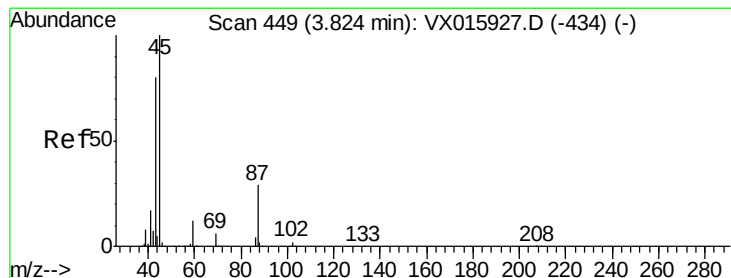
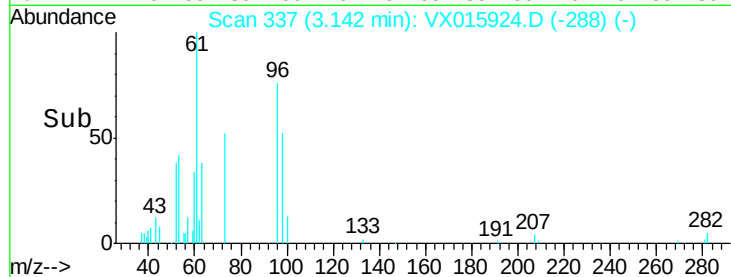
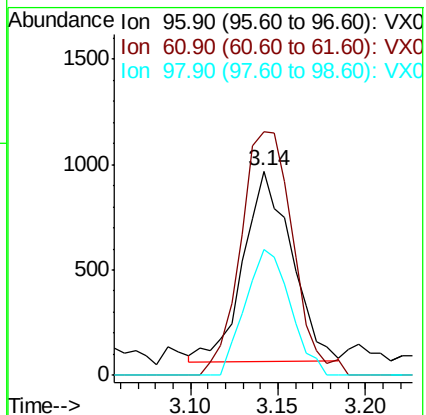
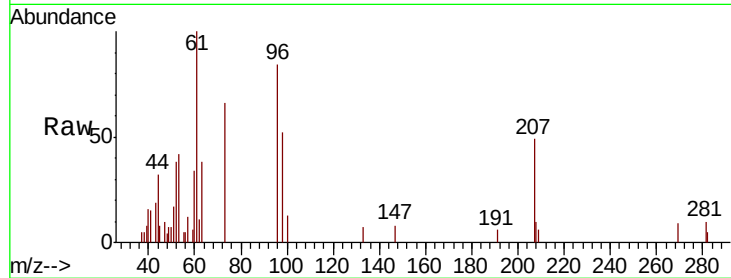
Tot Ion: 96 Resp: 1740

Ion Ratio Lower Upper

96 100

61 130.3 112.7 169.1

98 67.4 51.0 76.4



#22

Diisopropyl ether

Concen: 0.932 ug/l

RT: 3.82 min Scan# 448

Delta R.T. -0.01 min

Lab File: VX015924.D

Acq: 24 Apr 2020 11:05

Tgt Ion: 45 Resp: 5595

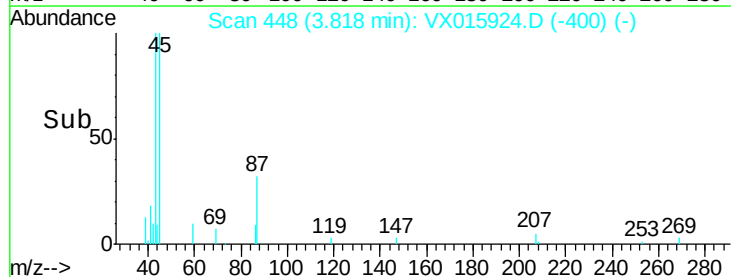
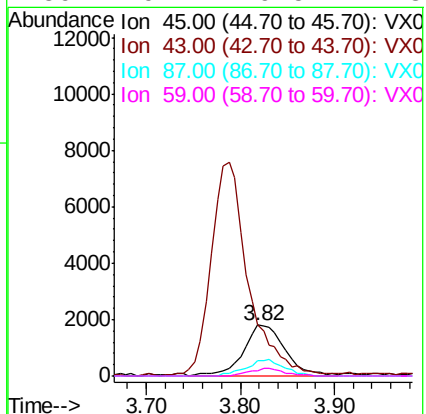
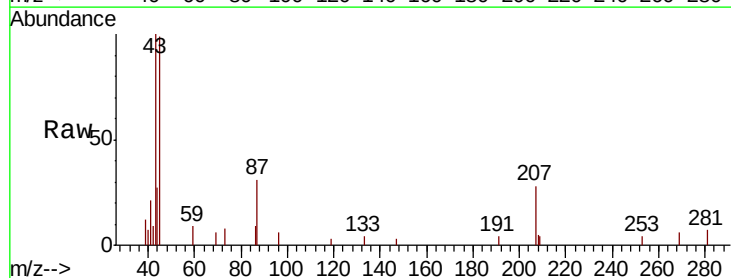
Ion Ratio Lower Upper

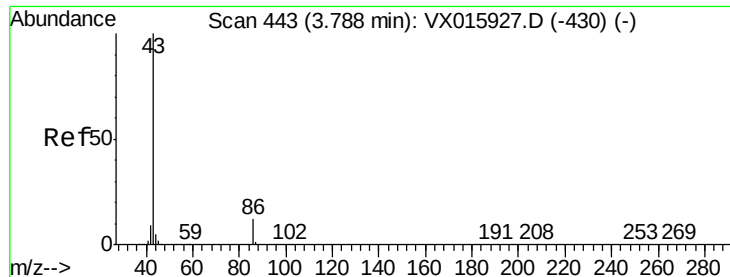
45 100

43 96.2 63.8 95.6#

87 31.0 22.9 34.3

59 9.4 9.5 14.3#





#23

Vinyl Acetate

Concen: 4.293 ug/l

RT: 3.79 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX015924.D

Acq: 24 Apr 2020 11:05

Instrument :

MSVOA_X

ClientSampleId :

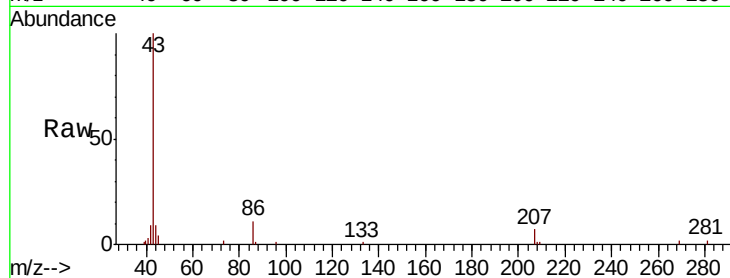
VSTDIC001

Tot Ion: 43 Resp: 20916

Ion Ratio Lower Upper

43 100

86 10.6 9.4 14.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

8000

6000

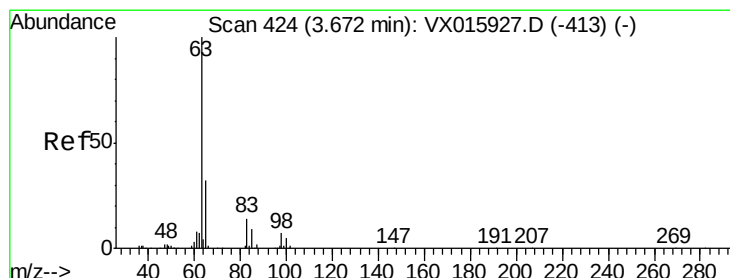
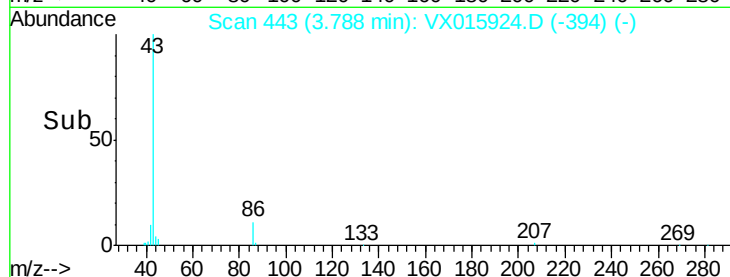
4000

2000

0

3.70 3.80 3.90

Time-->



#24

1,1-Dichloroethane

Concen: 0.903 ug/l

RT: 3.67 min Scan# 424

Delta R.T. 0.00 min

Lab File: VX015924.D

Acq: 24 Apr 2020 11:05

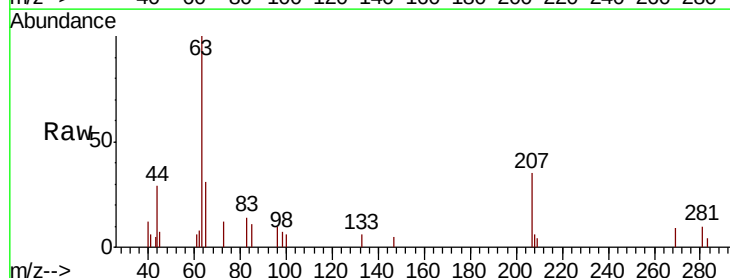
Tgt Ion: 63 Resp: 3085

Ion Ratio Lower Upper

63 100

98 7.2 3.7 11.1

100 6.2 2.3 6.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

1500

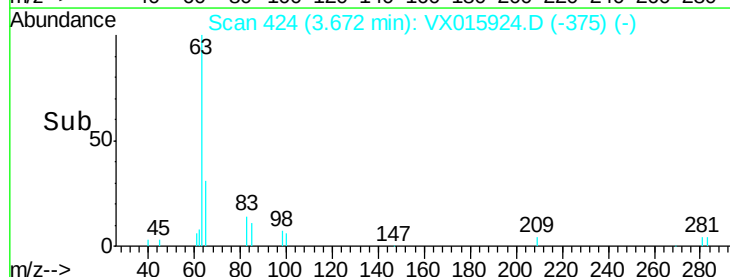
1000

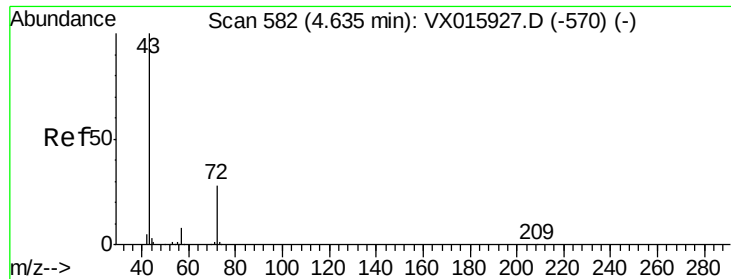
500

0

3.60 3.65 3.70 3.75

Time-->





#25

2-Butanone

Concen: 4.447 ug/l

RT: 4.64 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX015924.D

Acq: 24 Apr 2020 11:05

Instrument :

MSVOA_X

ClientSampleId :

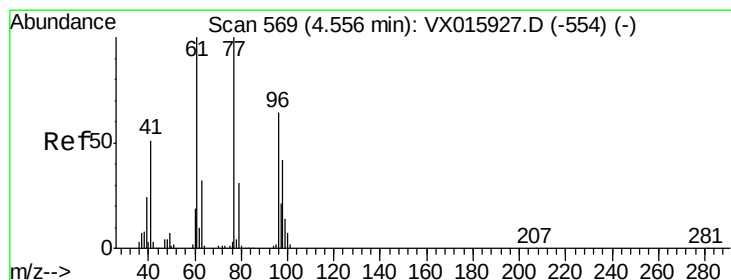
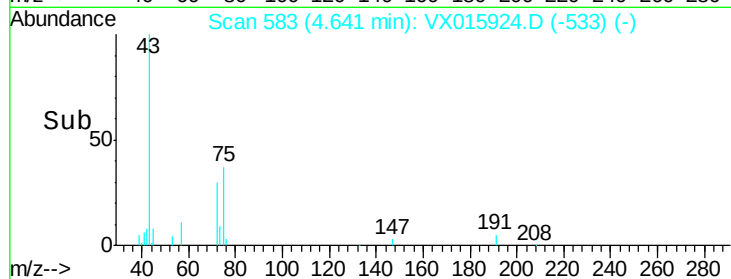
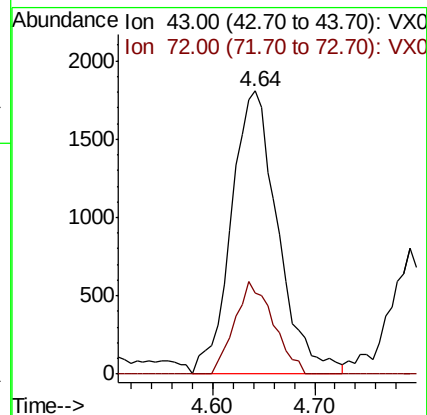
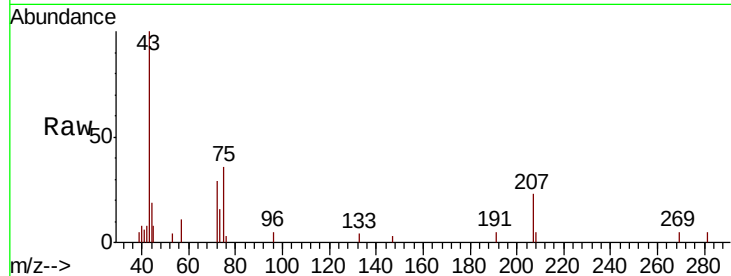
VSTDIC001

Tot Ion: 43 Resp: 5728

Ion Ratio Lower Upper

43 100

72 28.9 22.4 33.6



#26

2,2-Dichloropropane

Concen: 0.904 ug/l

RT: 4.55 min Scan# 568

Delta R.T. -0.01 min

Lab File: VX015924.D

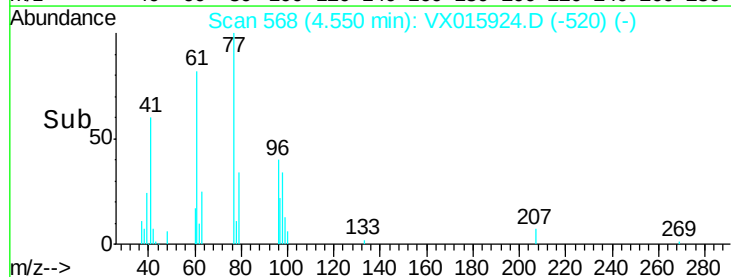
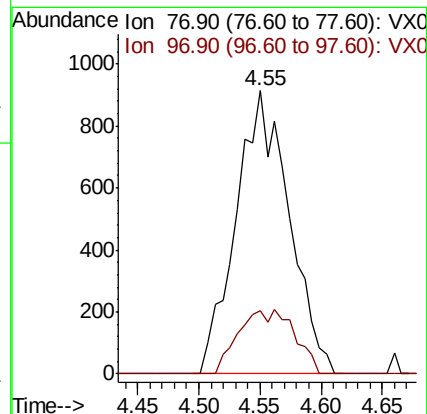
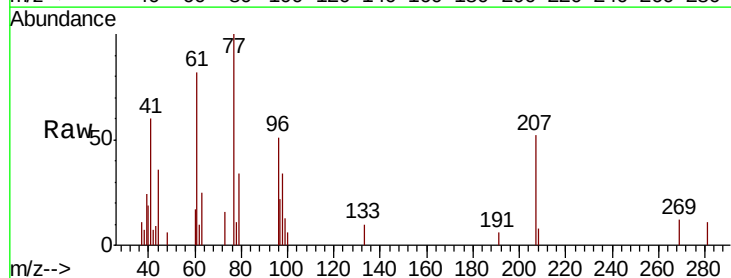
Acq: 24 Apr 2020 11:05

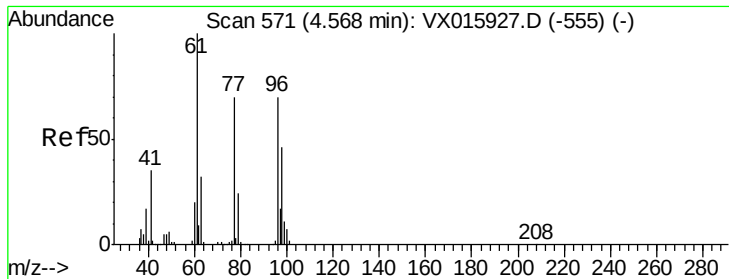
Tgt Ion: 77 Resp: 2756

Ion Ratio Lower Upper

77 100

97 13.2 11.3 33.9





#27

cis-1,2-Dichloroethene

Concen: 0.955 ug/l

RT: 4.57 min Scan# 572

Delta R.T. 0.01 min

Lab File: VX015924.D

Acq: 24 Apr 2020 11:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

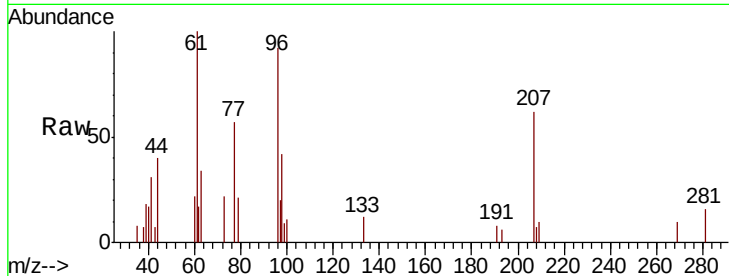
Tot Ion: 96 Resp: 2082

Ion Ratio Lower Upper

96 100

61 135.6 0.0 293.4

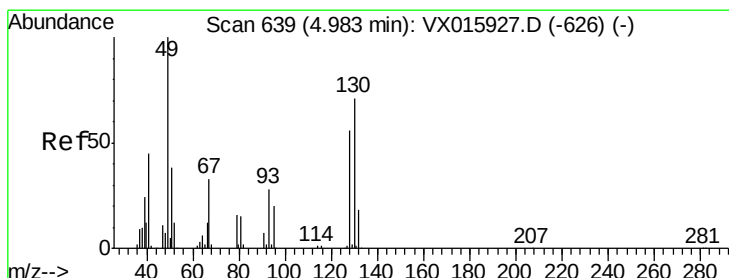
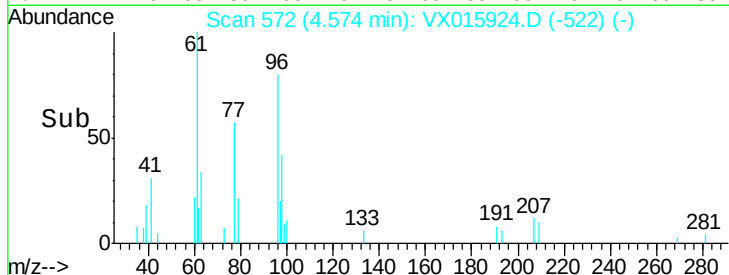
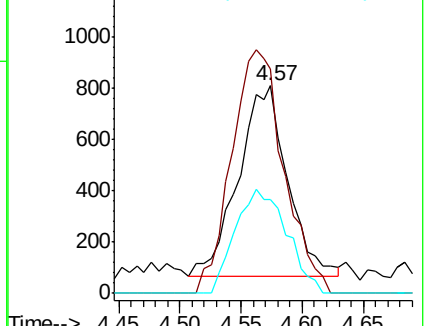
98 56.9 0.0 129.0



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane

Concen: 0.963 ug/l

RT: 4.98 min Scan# 638

Delta R.T. -0.01 min

Lab File: VX015924.D

Acq: 24 Apr 2020 11:05

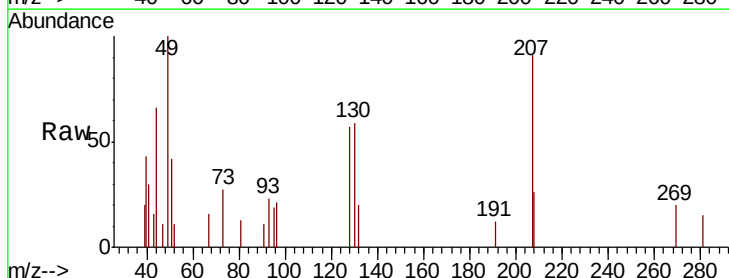
Tgt Ion: 49 Resp: 1468

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

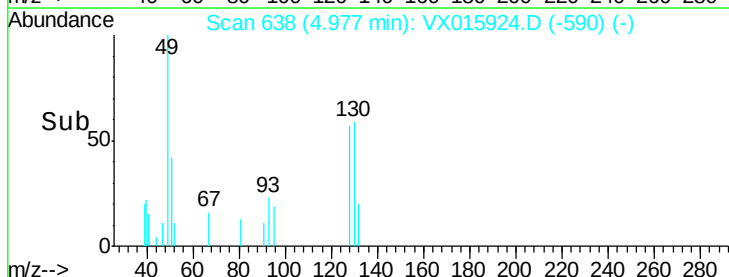
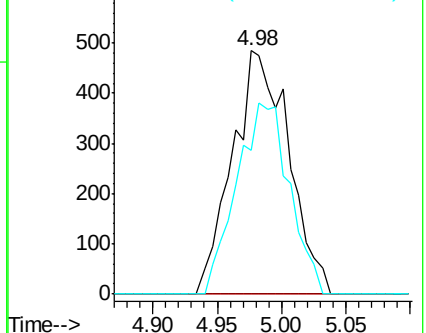
130 73.7 60.7 91.1

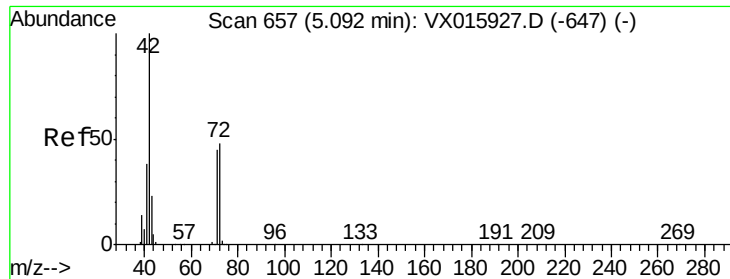


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

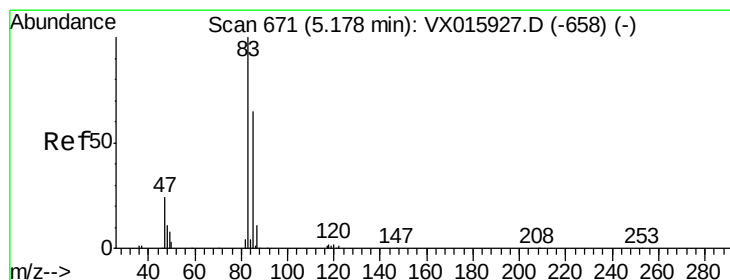
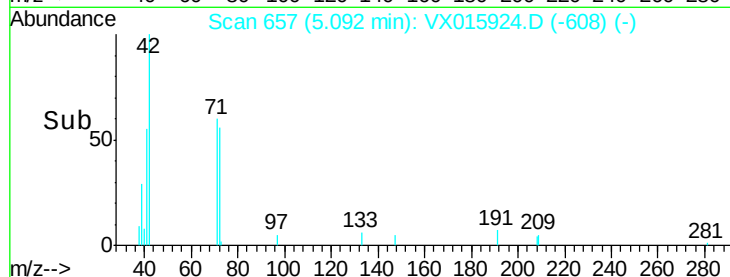
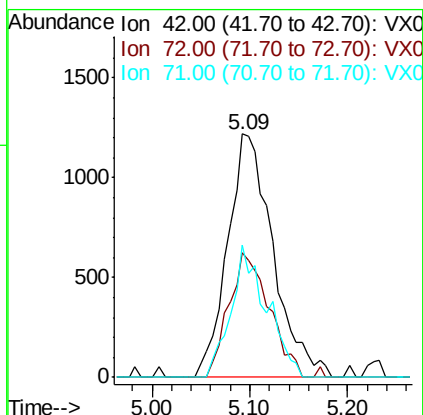
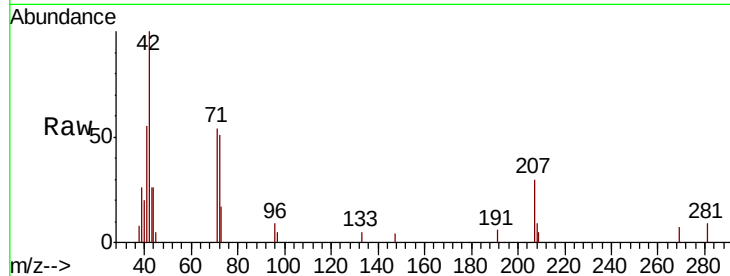




#29
Tetrahydrofuran
Concen: 4.591 ug/l
RT: 5.09 min Scan# 657
Delta R.T. 0.00 min
Lab File: VX015924.D
Acq: 24 Apr 2020 11:05

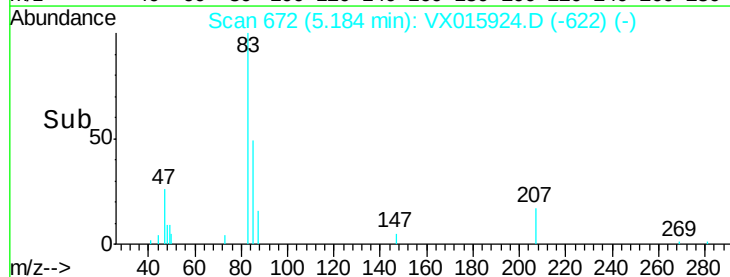
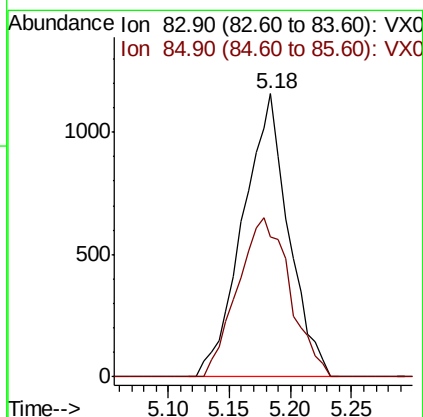
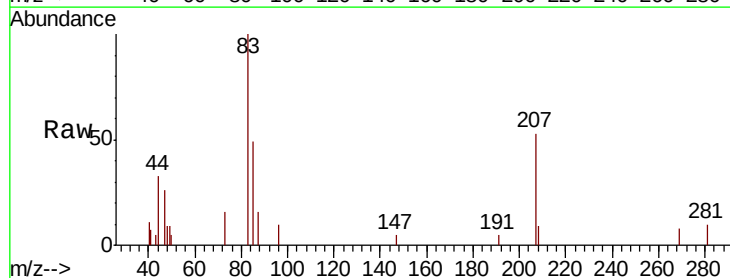
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

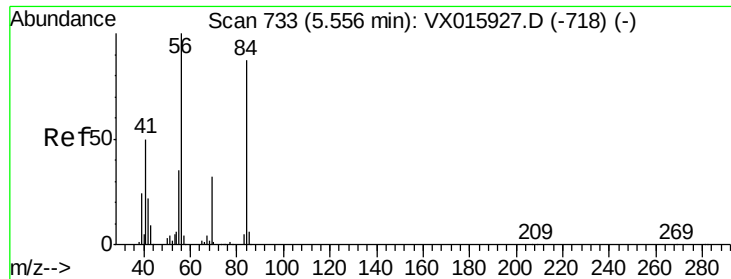
Tot Ion	Ratio	Lower	Upper
42	100		
72	45.6	39.5	59.3
71	42.7	36.4	54.6



#30
Chloroform
Concen: 0.893 ug/l
RT: 5.18 min Scan# 672
Delta R.T. 0.01 min
Lab File: VX015924.D
Acq: 24 Apr 2020 11:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	49.4	51.7	77.5#

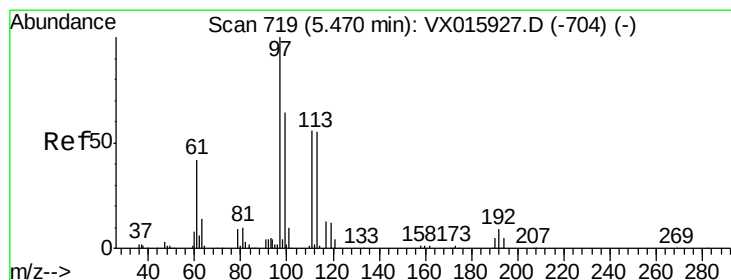
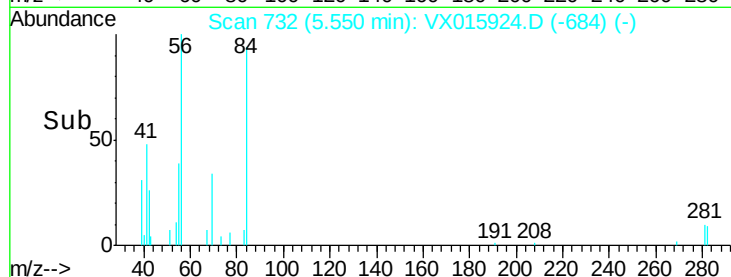
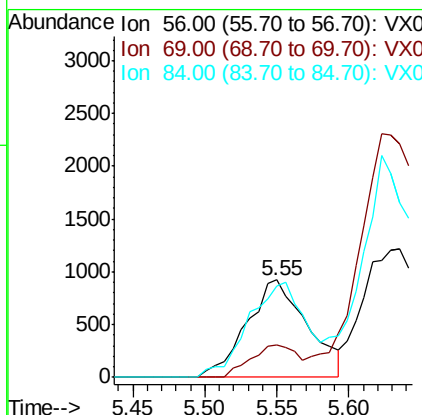
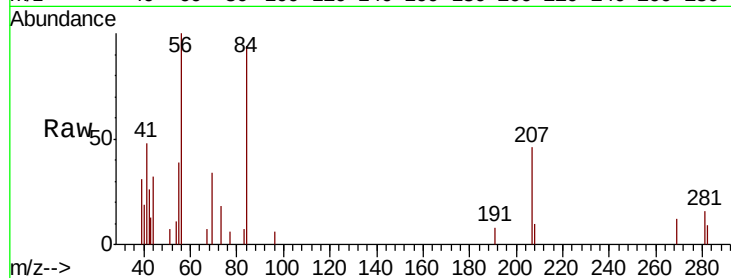




#31
Cyclohexane
Concen: 0.870 ug/l
RT: 5.55 min Scan# 732
Delta R.T. -0.01 min
Lab File: VX015924.D
Acq: 24 Apr 2020 11:05

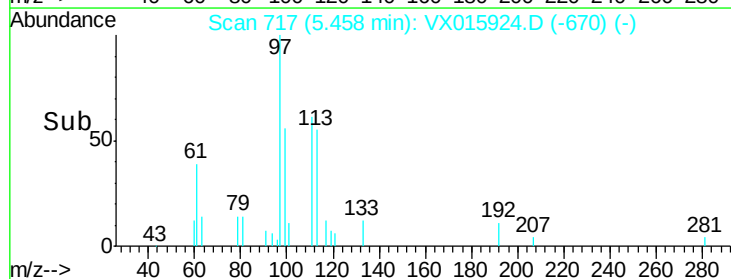
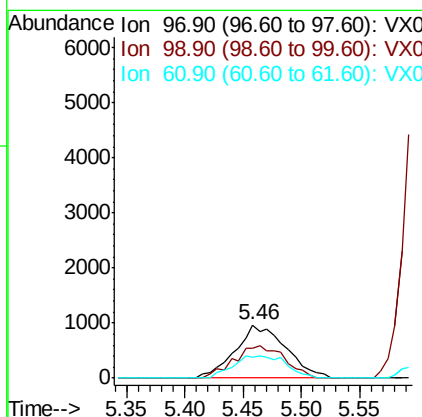
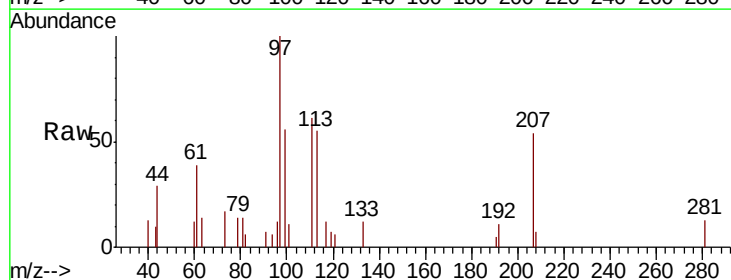
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

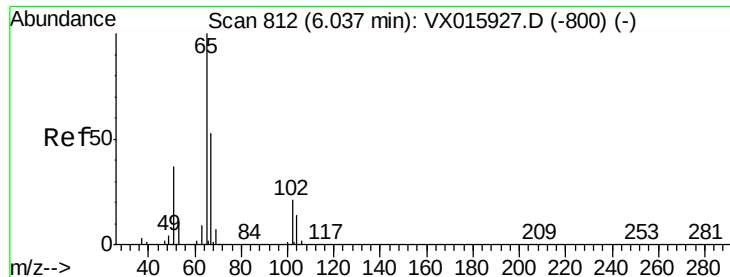
Tot Ion	56	Resp	2704
Ion	Ratio	Lower	Upper
56	100		
69	33.8	25.4	38.0
84	93.6	69.5	104.3



#32
1,1,1-Trichloroethane
Concen: 0.940 ug/l
RT: 5.46 min Scan# 717
Delta R.T. -0.01 min
Lab File: VX015924.D
Acq: 24 Apr 2020 11:05

Tgt Ion	97	Resp	2880
Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.1	76.7#
61	43.5	35.0	52.4

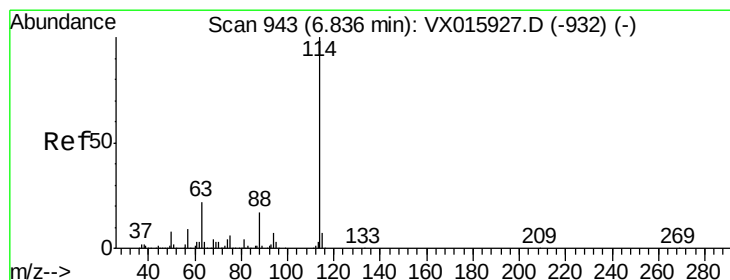
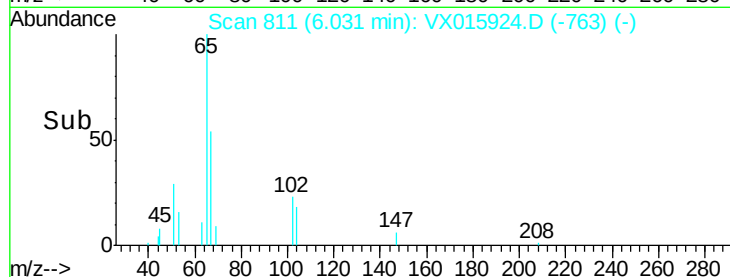
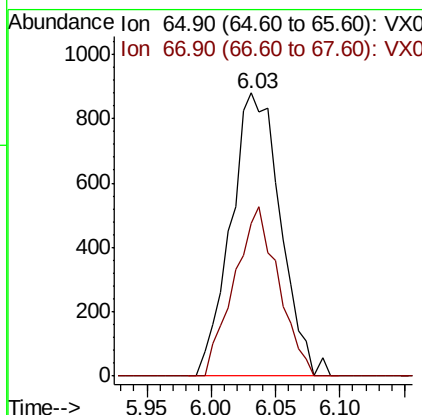
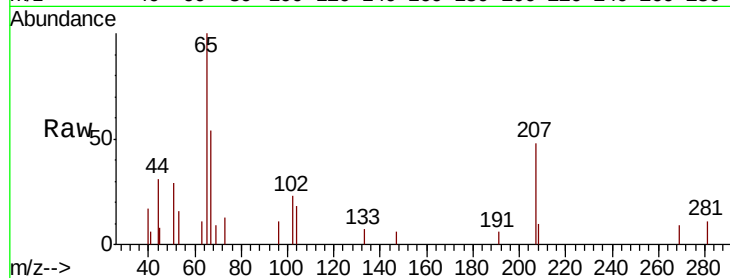




#33
 1,2-Dichloroethane-d4
 Concen: 1.087 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.01 min
 Lab File: VX015924.D
 Acq: 24 Apr 2020 11:05

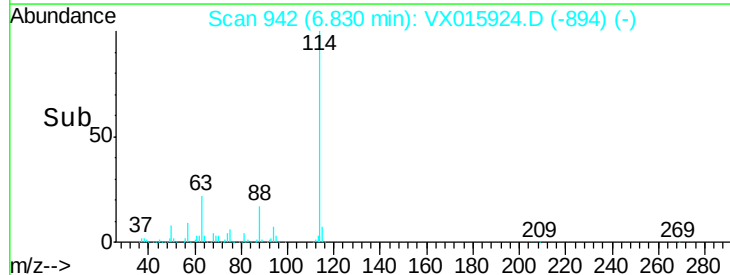
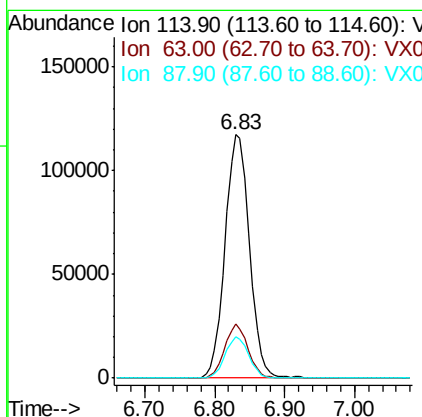
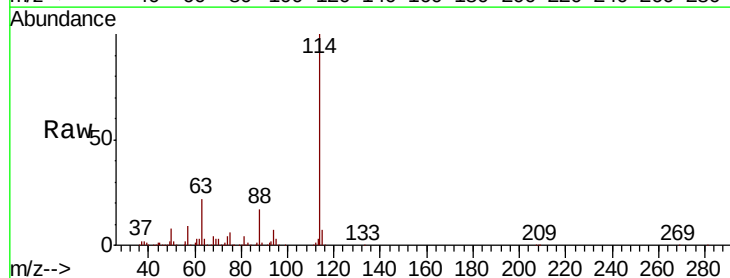
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

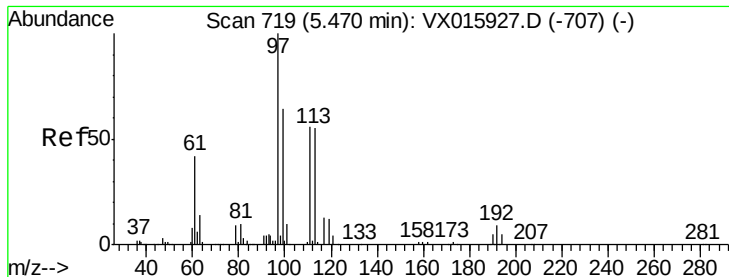
Tot Ion: 65 Resp: 2356
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.01 min
 Lab File: VX015924.D
 Acq: 24 Apr 2020 11:05

Tgt Ion: 114 Resp: 284309
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 44.4
 88 16.8 0.0 34.2





#35

Dibromofluoromethane

Concen: 1.084 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX015924.D

Acq: 24 Apr 2020 11:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

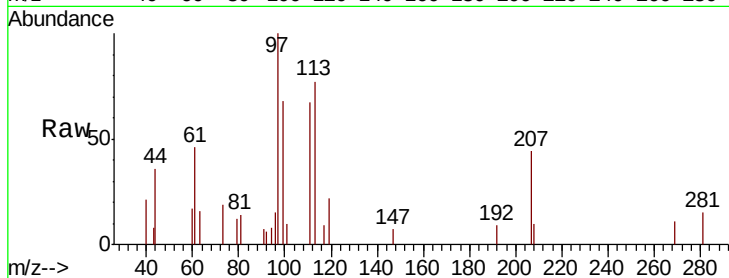
Tot Ion:113 Resp: 1715

Ion Ratio Lower Upper

113 100

111 104.1 81.2 121.8

192 12.3 13.6 20.4#



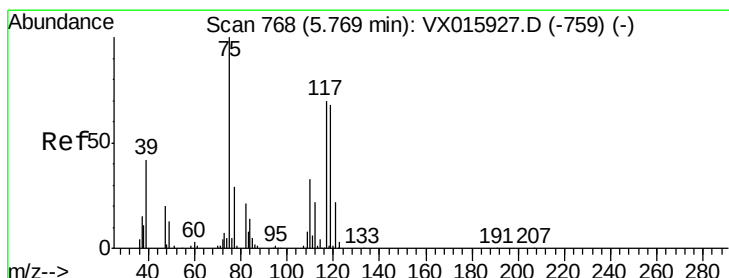
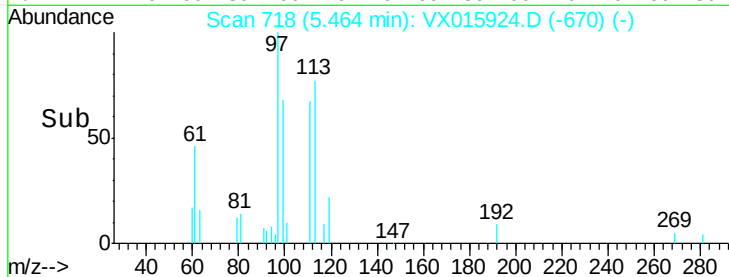
Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

5.46

Time-->



#36

1,1-Dichloropropene

Concen: 1.003 ug/l

RT: 5.77 min Scan# 768

Delta R.T. 0.00 min

Lab File: VX015924.D

Acq: 24 Apr 2020 11:05

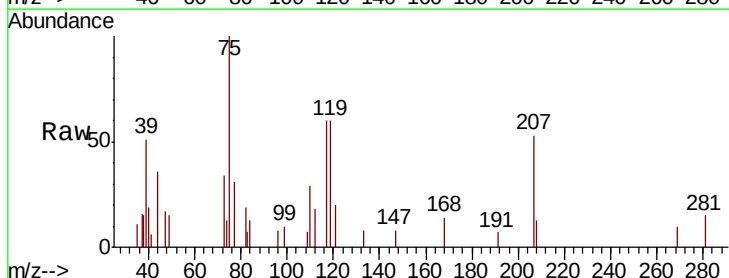
Tgt Ion: 75 Resp: 2698

Ion Ratio Lower Upper

75 100

110 30.5 17.1 51.3

77 31.5 25.0 37.4



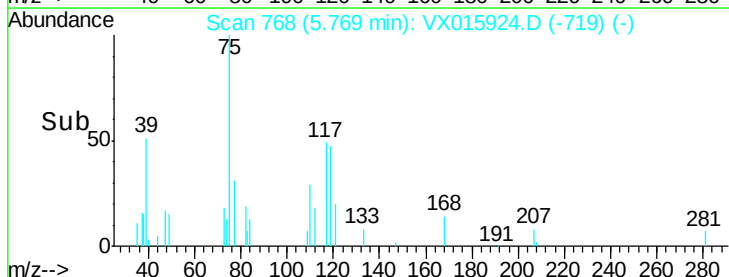
Abundance Ion 74.90 (74.60 to 75.60): VX0

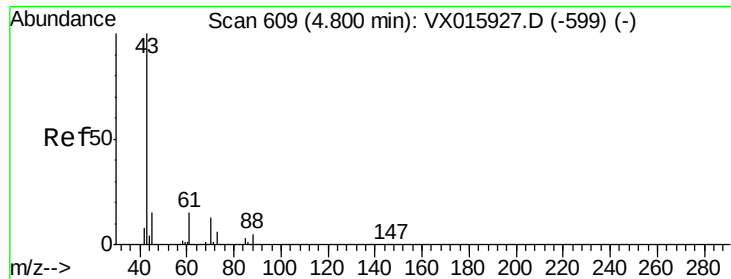
Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

5.77

Time-->

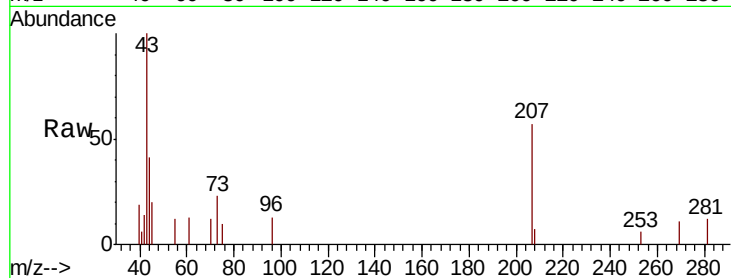




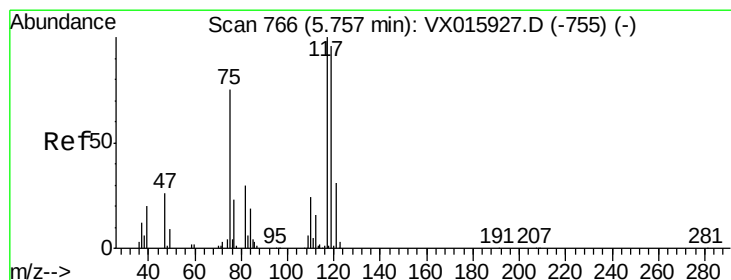
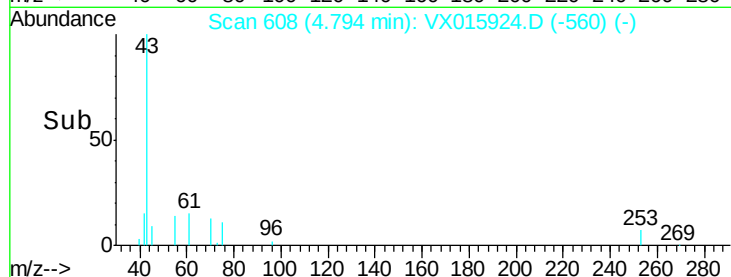
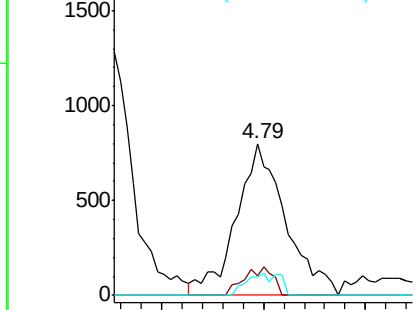
#37
Ethyl Acetate
Concen: 0.998 ug/l
RT: 4.79 min Scan# 608
Delta R.T. -0.01 min
Lab File: VX015924.D
Acq: 24 Apr 2020 11:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion: 43 Resp: 2686
Ion Ratio Lower Upper
43 100
61 10.9 11.6 17.4#
70 9.8 9.8 14.6#

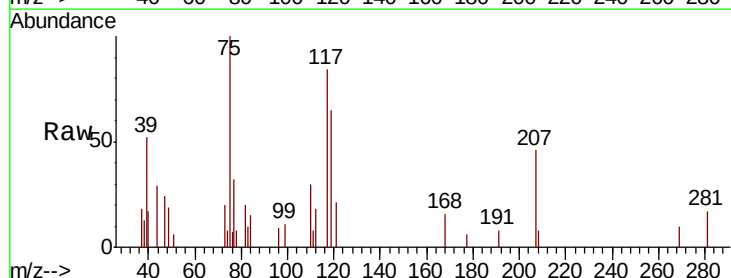


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

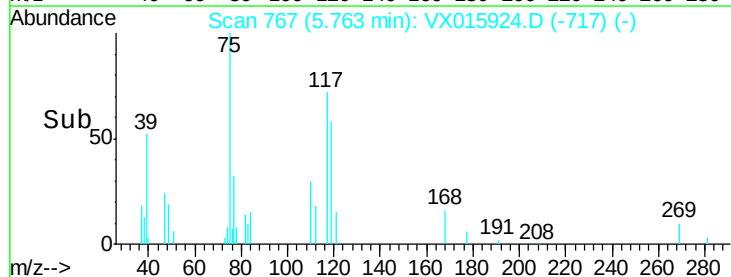
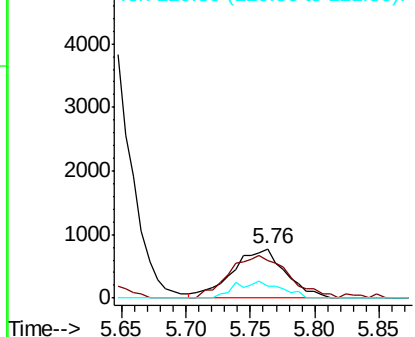


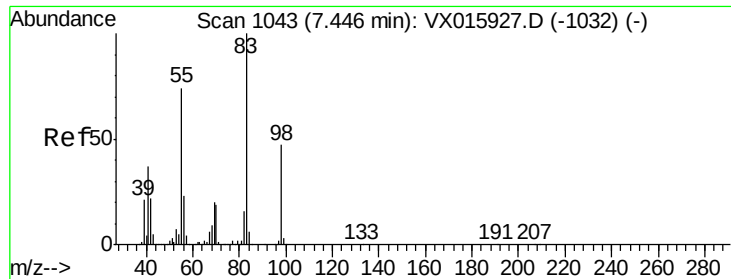
#38
Carbon Tetrachloride
Concen: 0.911 ug/l
RT: 5.76 min Scan# 767
Delta R.T. 0.01 min
Lab File: VX015924.D
Acq: 24 Apr 2020 11:05

Tgt Ion: 117 Resp: 2209
Ion Ratio Lower Upper
117 100
119 77.3 77.0 115.6
121 24.9 25.0 37.4#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

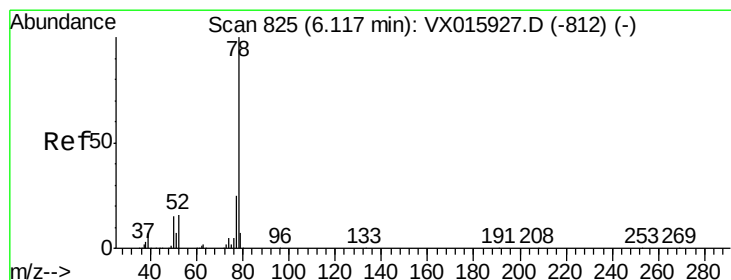
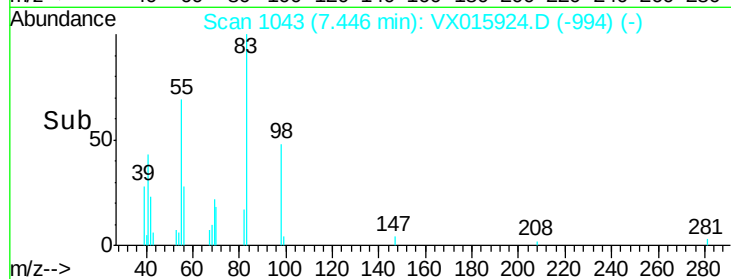
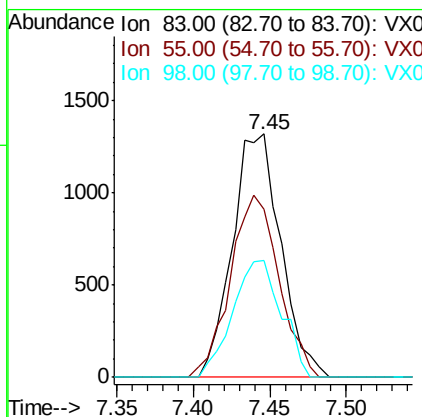
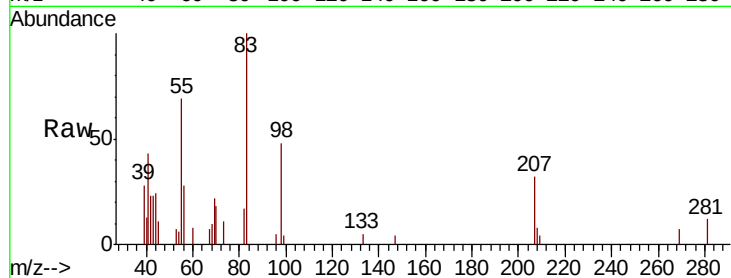




#39
Methylvlcyclohexane
Concen: 0.898 ug/l
RT: 7.45 min Scan# 1043
Delta R.T. 0.00 min
Lab File: VX015924.D
Acq: 24 Apr 2020 11:05

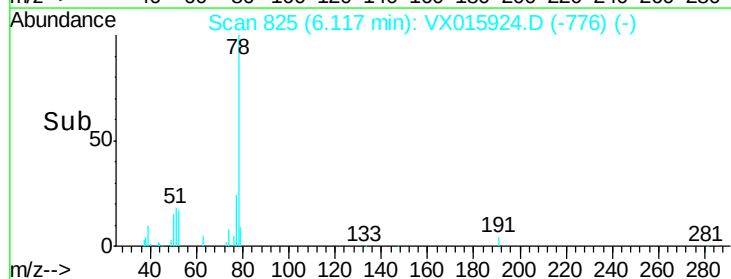
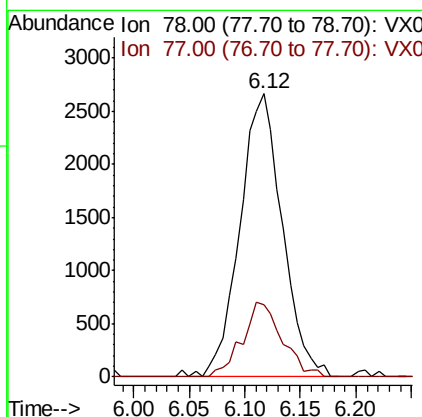
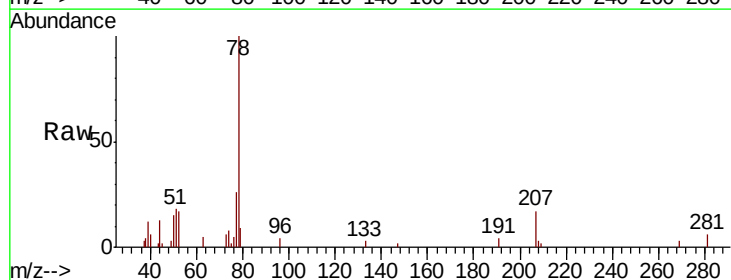
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

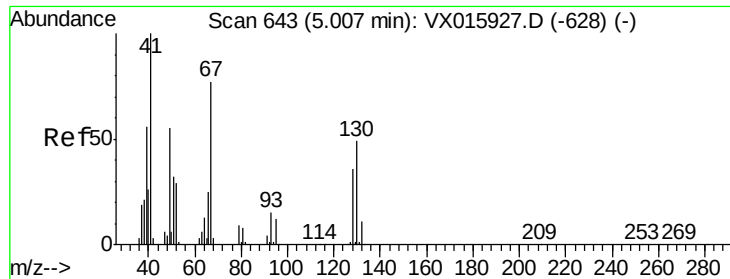
Tot Ion	83	Resp	2907
Ion Ratio	Lower	Upper	
83	100		
55	69.0	59.0	88.4
98	47.8	37.4	56.0



#40
Benzene
Concen: 0.905 ug/l
RT: 6.12 min Scan# 825
Delta R.T. 0.00 min
Lab File: VX015924.D
Acq: 24 Apr 2020 11:05

Tgt Ion	78	Resp	7062
Ion Ratio	Lower	Upper	
78	100		
77	25.5	19.8	29.8

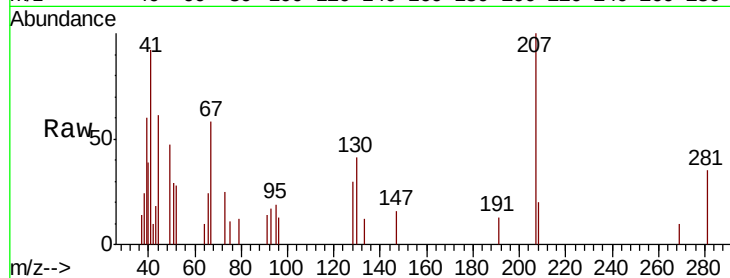




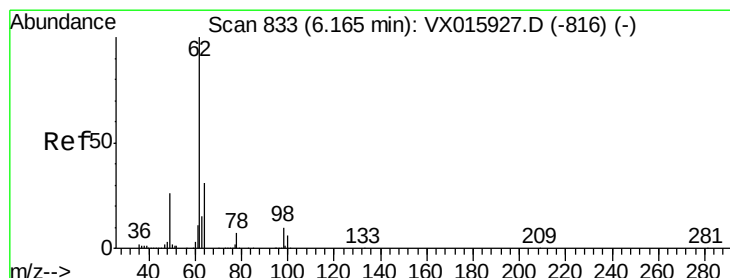
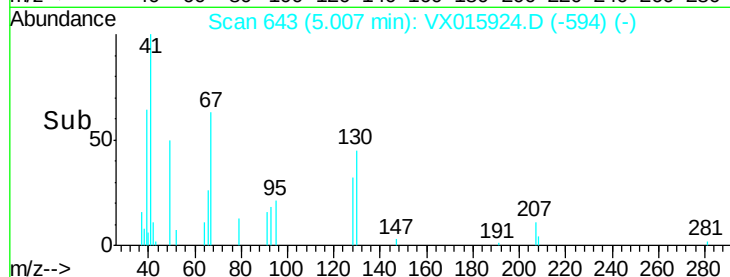
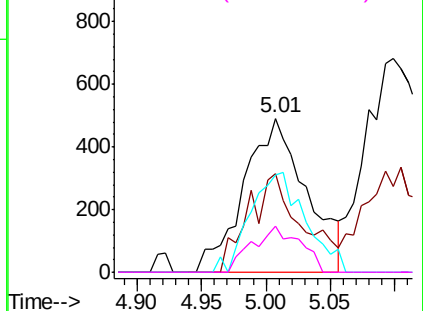
#41
Methacrylonitrile
Concen: 1.077 ug/l
RT: 5.01 min Scan# 643
Delta R.T. 0.00 min
Lab File: VX015924.D
Acq: 24 Apr 2020 11:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion:	41	Resp:	1663
Ion	Ratio	Lower	Upper
41	100		
39	55.3	42.8	64.2
67	56.8	62.0	93.0#
52	22.8	24.2	36.4#

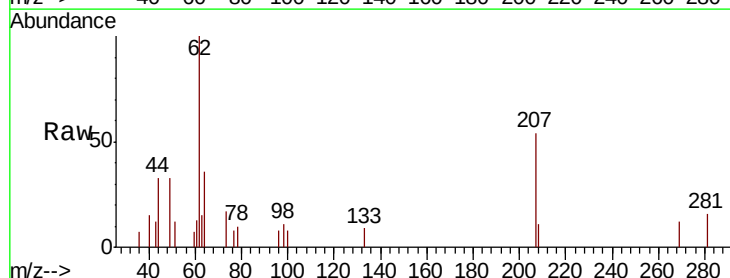


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

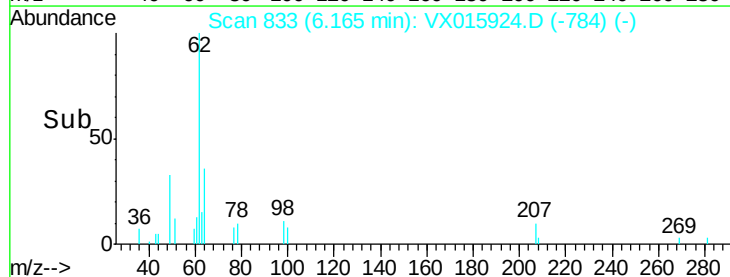
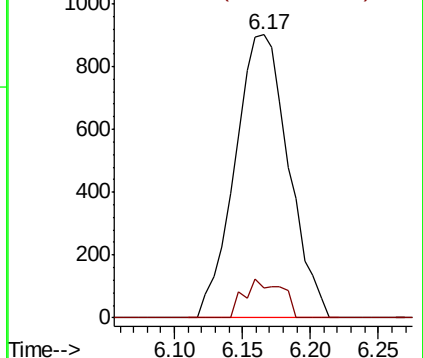


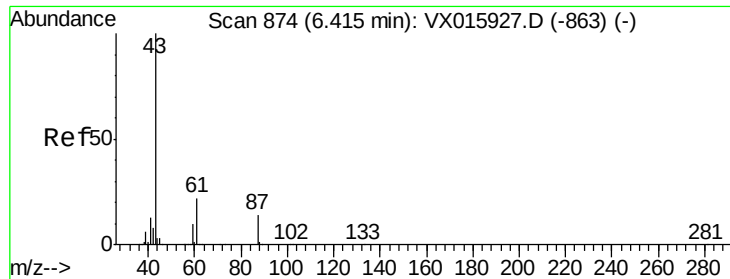
#42
1,2-Dichloroethane
Concen: 0.907 ug/l
RT: 6.17 min Scan# 833
Delta R.T. 0.00 min
Lab File: VX015924.D
Acq: 24 Apr 2020 11:05

Tgt Ion:	62	Resp:	2480
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	20.0



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





#43

Isopropyl Acetate

Concen: 0.889 ug/l

RT: 6.41 min Scan# 873

Delta R.T. -0.01 min

Lab File: VX015924.D

Acq: 24 Apr 2020 11:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

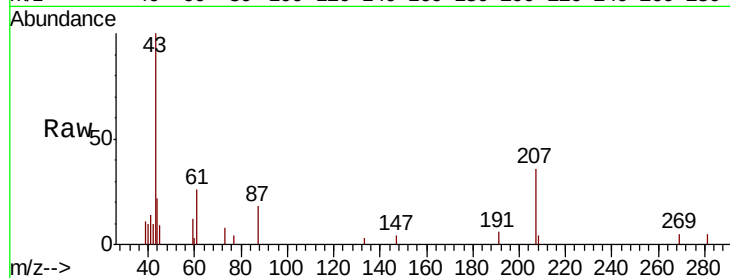
Tot Ion: 43 Resp: 3868

Ion Ratio Lower Upper

43 100

61 23.9 17.6 26.4

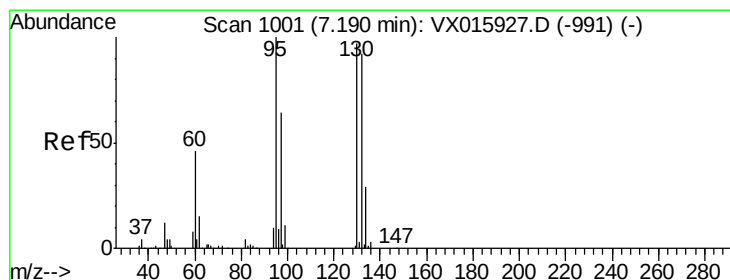
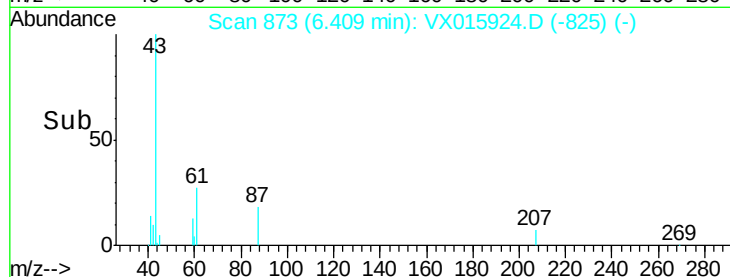
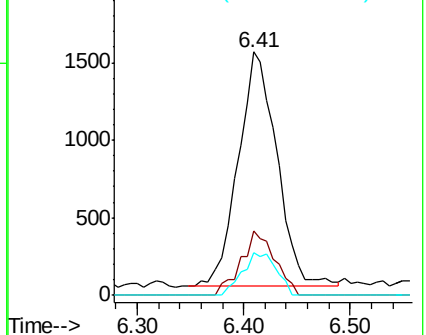
87 16.0 11.6 17.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 0.924 ug/l

RT: 7.20 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VX015924.D

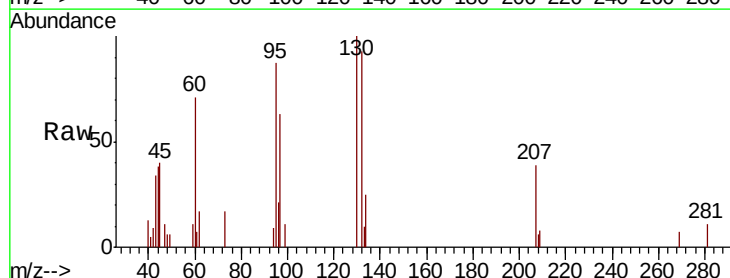
Acq: 24 Apr 2020 11:05

Tgt Ion:130 Resp: 2240

Ion Ratio Lower Upper

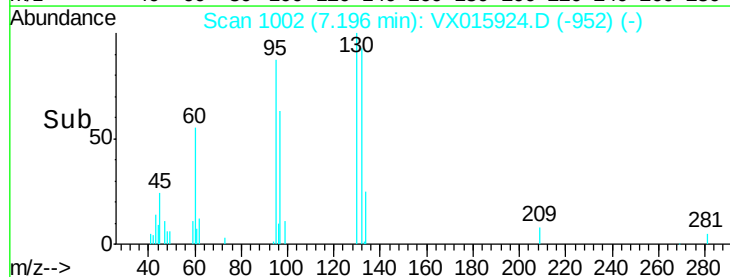
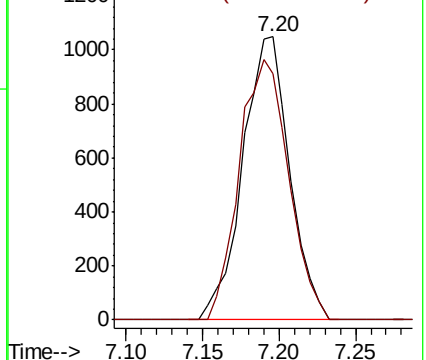
130 100

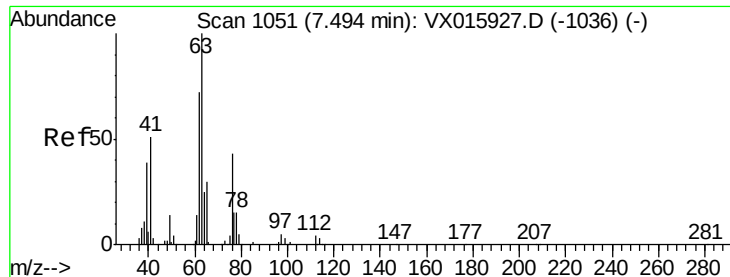
95 87.2 0.0 205.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

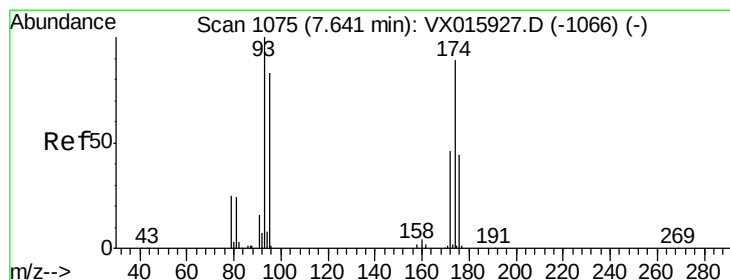
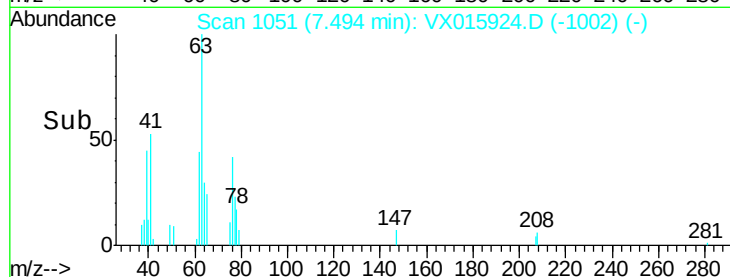
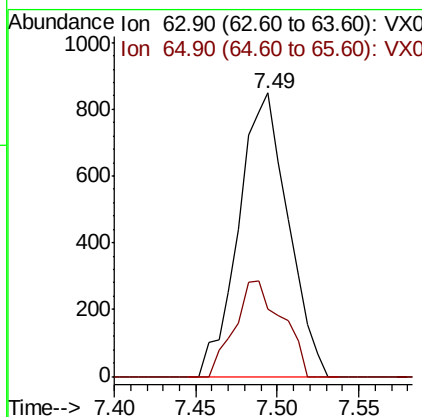
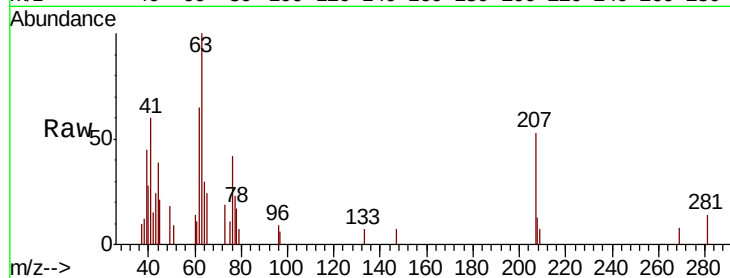




#45
 1,2-Dichloropropane
 Concen: 0.899 ug/l
 RT: 7.49 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VX015924.D
 Acq: 24 Apr 2020 11:05

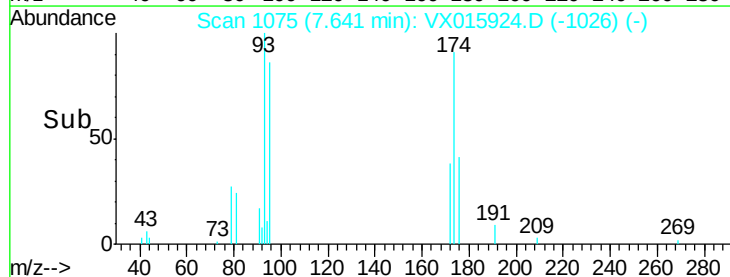
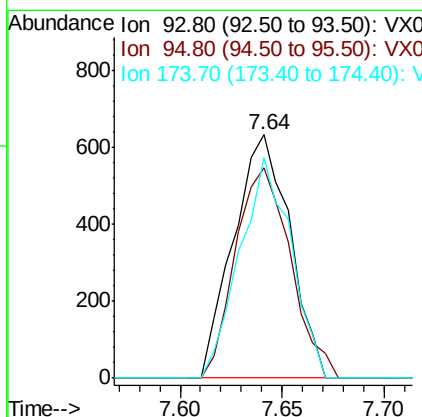
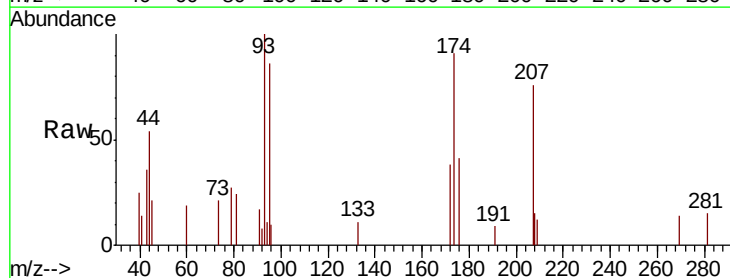
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

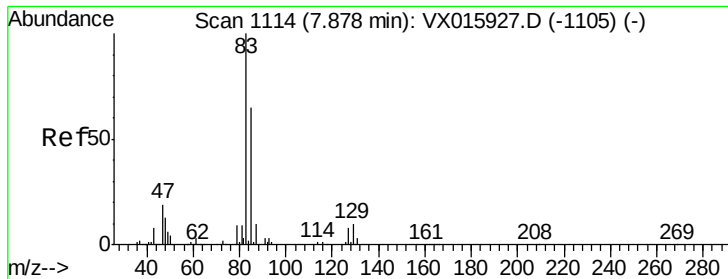
Tot Ion: 63 Resp: 1791
 Ion Ratio Lower Upper
 63 100
 65 23.8 24.3 36.5#



#46
 Dibromomethane
 Concen: 0.907 ug/l
 RT: 7.64 min Scan# 1075
 Delta R.T. 0.00 min
 Lab File: VX015924.D
 Acq: 24 Apr 2020 11:05

Tgt Ion: 93 Resp: 1211
 Ion Ratio Lower Upper
 93 100
 95 85.0 65.7 98.5
 174 82.3 70.6 105.8





#47

Bromodichloromethane

Concen: 0.899 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VX015924.D

Acq: 24 Apr 2020 11:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

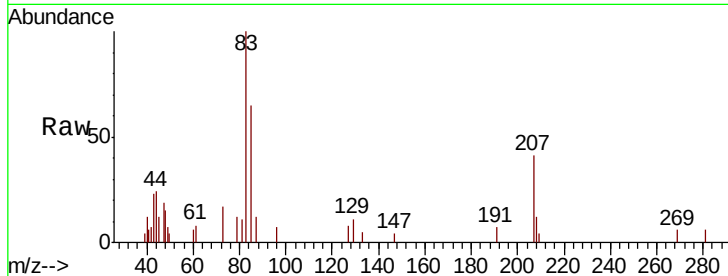
Tot Ion: 83 Resp: 2404

Ion Ratio Lower Upper

83 100

85 64.6 51.6 77.4

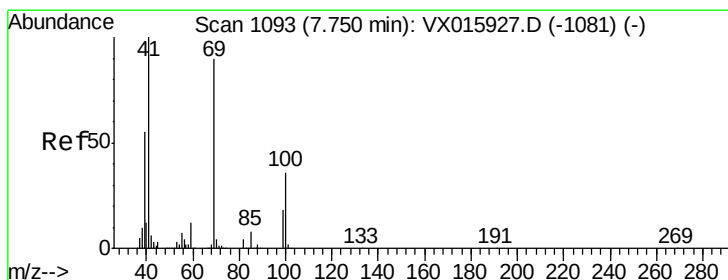
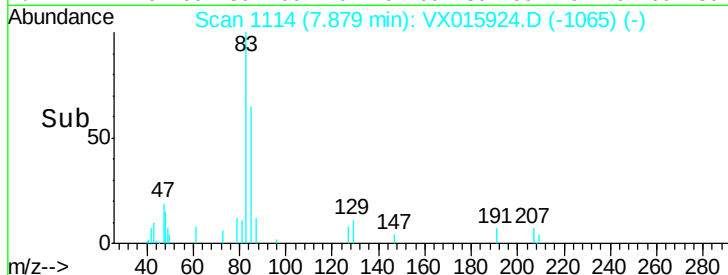
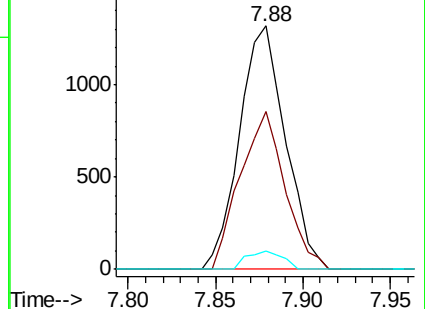
127 7.7 6.7 10.1



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): VX0



#48

Methyl methacrylate

Concen: 0.936 ug/l

RT: 7.74 min Scan# 1092

Delta R.T. -0.01 min

Lab File: VX015924.D

Acq: 24 Apr 2020 11:05

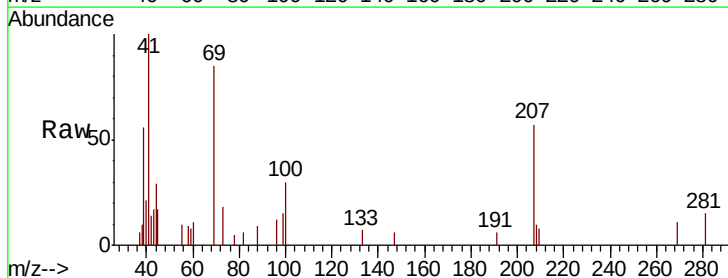
Tgt Ion: 41 Resp: 2005

Ion Ratio Lower Upper

41 100

69 82.1 72.0 108.0

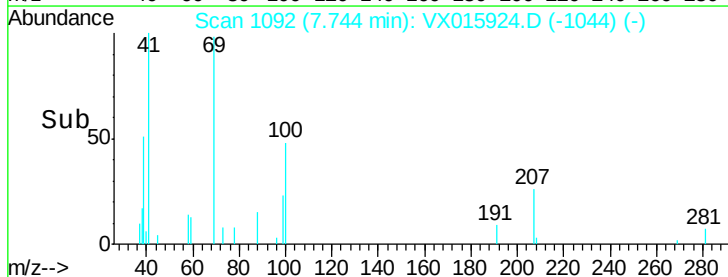
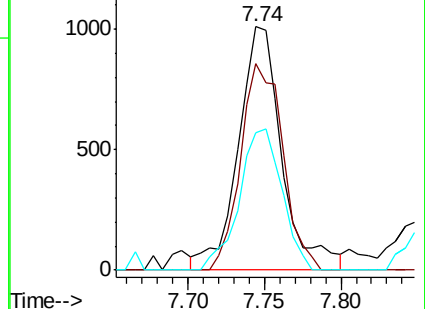
39 56.6 44.1 66.1

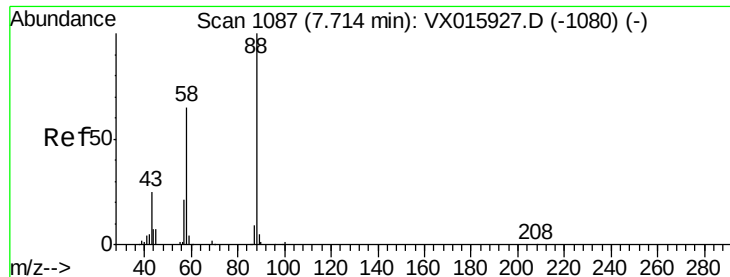


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

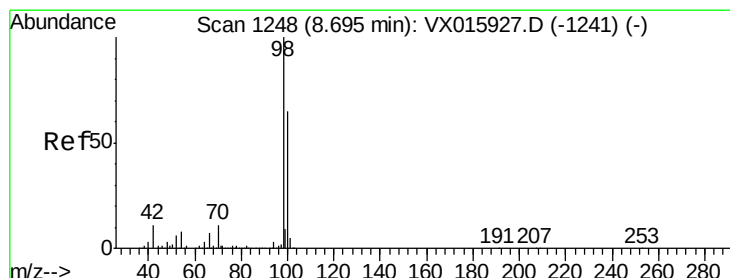
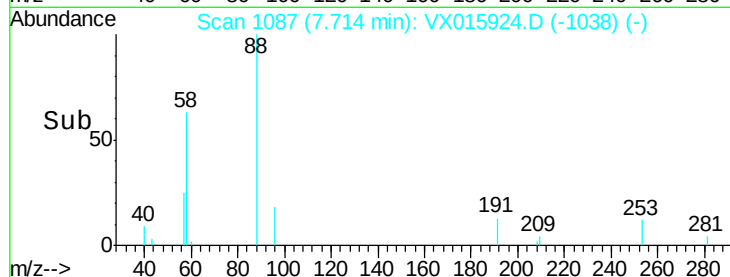
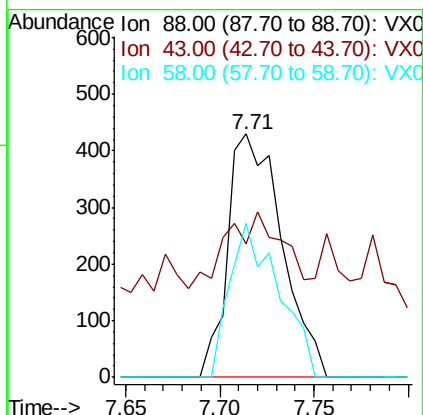
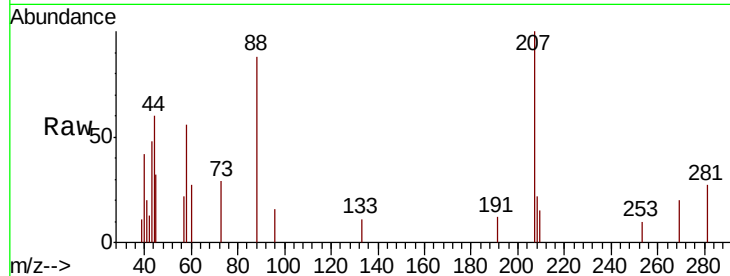




#49
1,4-Dioxane
Concen: 18.338 ug/l
RT: 7.71 min Scan# 1087
Delta R.T. 0.00 min
Lab File: VX015924.D
Acq: 24 Apr 2020 11:05

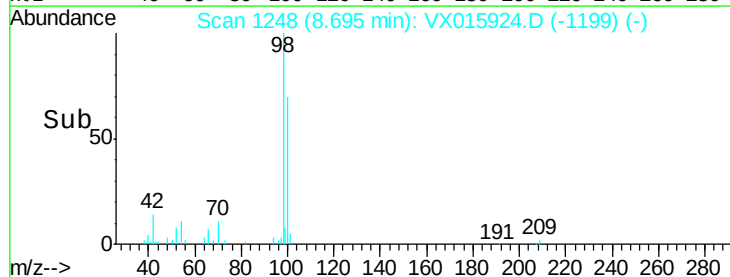
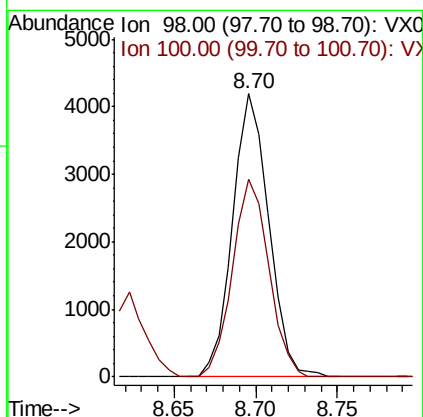
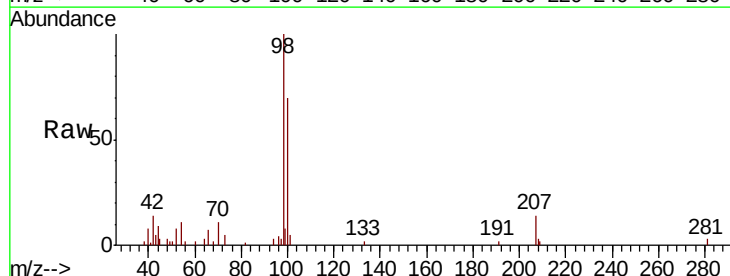
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

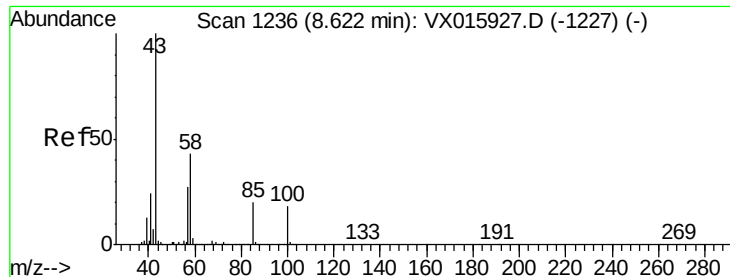
Tot Ion: 88 Resp: 854
Ion Ratio Lower Upper
88 100
43 14.1 23.8 35.8#
58 57.6 55.7 83.5



#50
Toluene-d8
Concen: 1.016 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX015924.D
Acq: 24 Apr 2020 11:05

Tgt Ion: 98 Resp: 6495
Ion Ratio Lower Upper
98 100
100 70.1 53.0 79.4





#51

4-Methyl-2-Pentanone

Concen: 4.129 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VX015924.D

Acq: 24 Apr 2020 11:05

Instrument :

MSVOA_X

ClientSampleId :

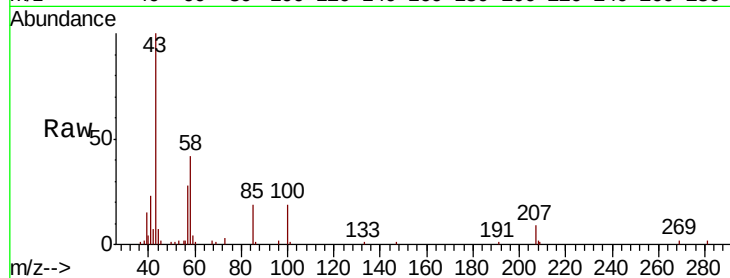
VSTDIC001

Tot Ion: 43 Resp: 10377

Ion Ratio Lower Upper

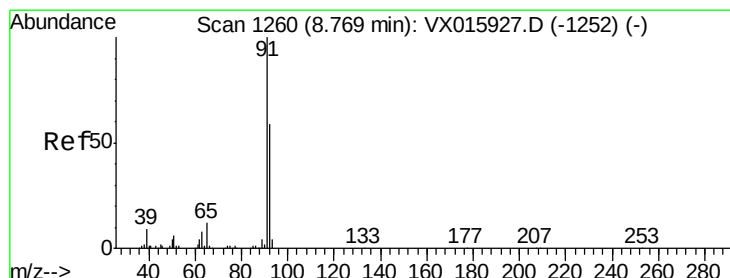
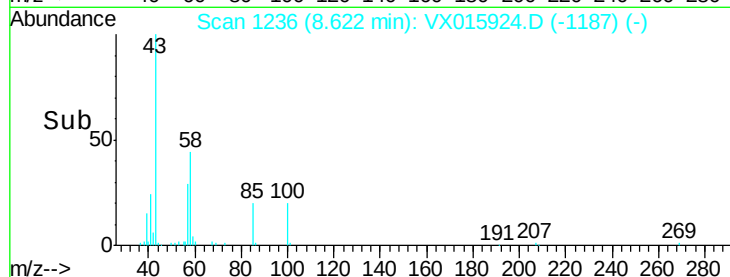
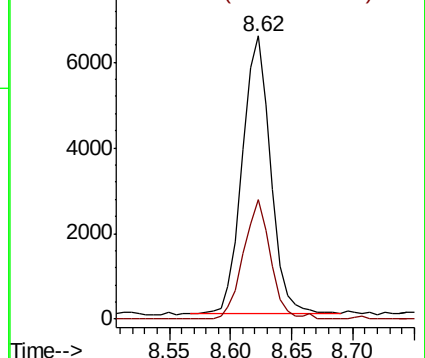
43 100

58 41.7 34.2 51.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 0.879 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VX015924.D

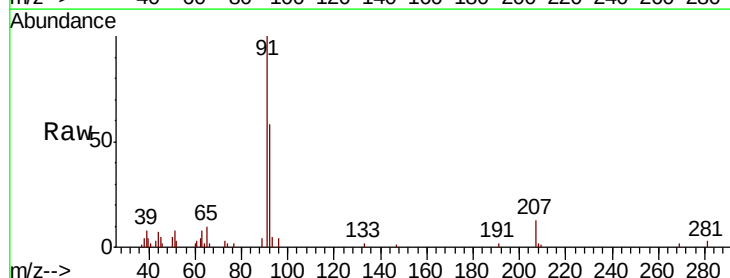
Acq: 24 Apr 2020 11:05

Tgt Ion: 92 Resp: 4345

Ion Ratio Lower Upper

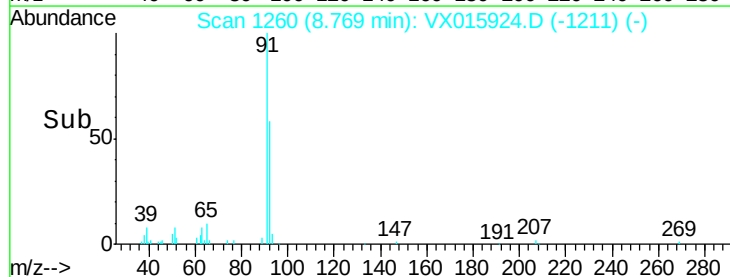
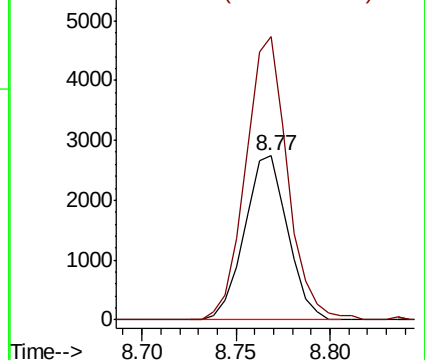
92 100

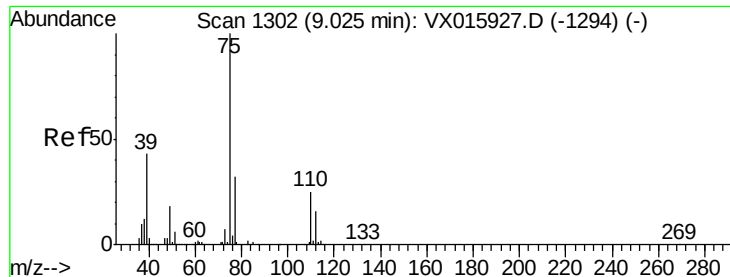
91 167.8 134.0 201.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 0.880 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VX015924.D

Acq: 24 Apr 2020 11:05

Instrument :

MSVOA_X

ClientSampleId :

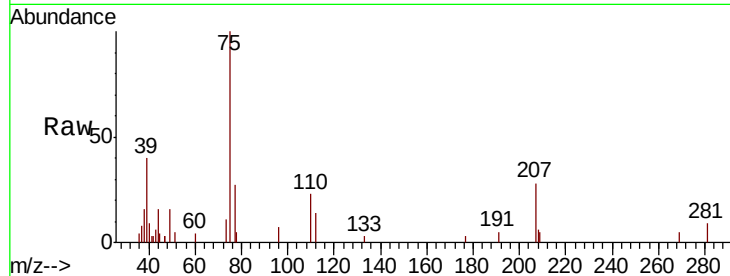
VSTDIC001

Tot Ion: 75 Resp: 2847

Ion Ratio Lower Upper

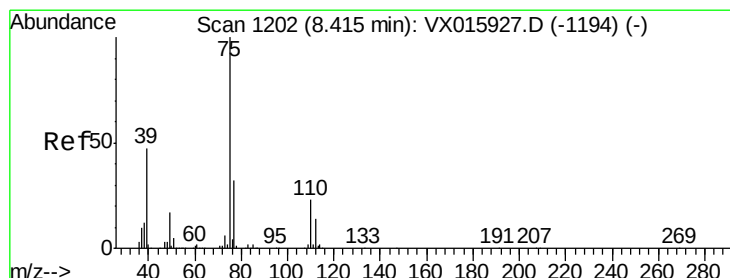
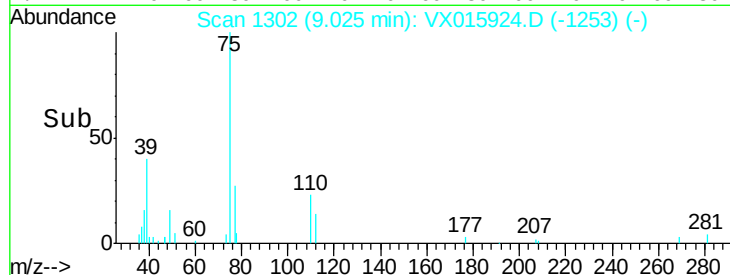
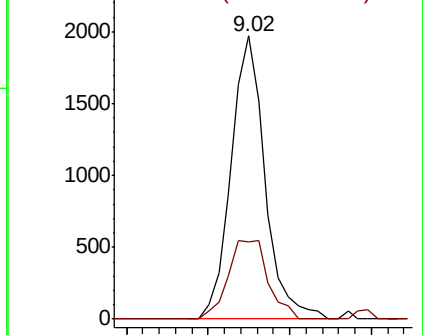
75 100

77 27.5 25.9 38.9



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 0.863 ug/l

RT: 8.42 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VX015924.D

Acq: 24 Apr 2020 11:05

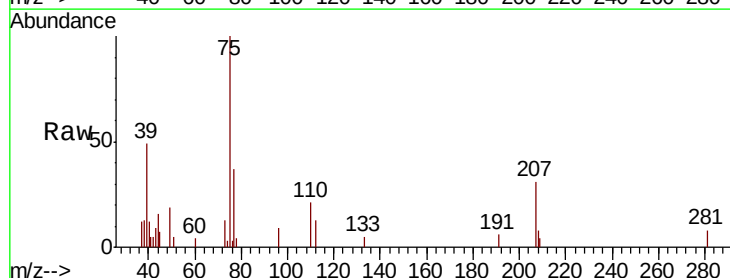
Tgt Ion: 75 Resp: 2917

Ion Ratio Lower Upper

75 100

77 36.8 25.8 38.8

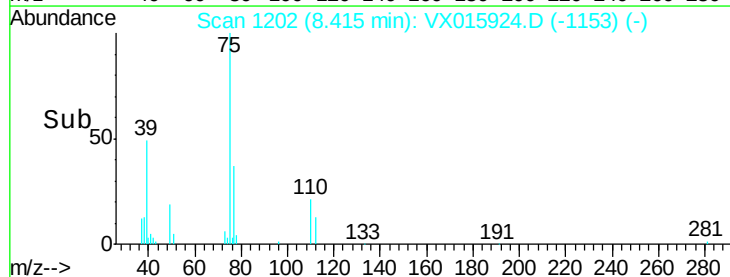
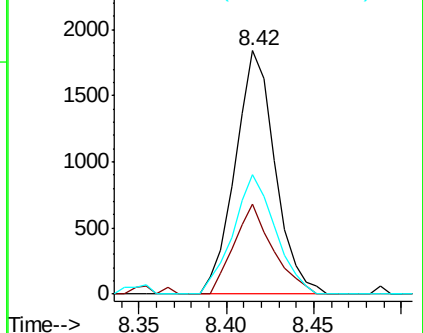
39 49.0 37.2 55.8

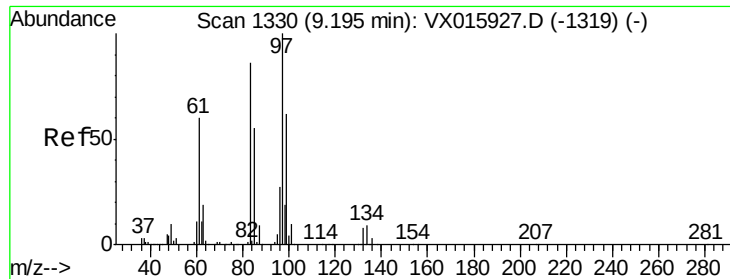


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

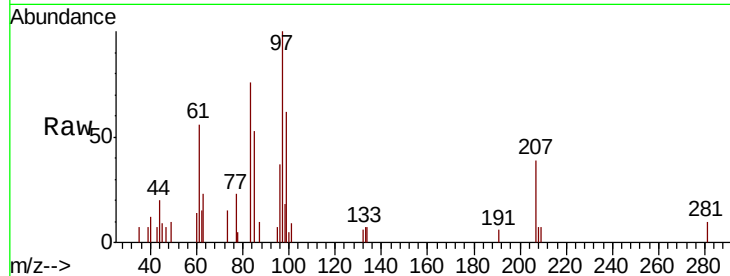




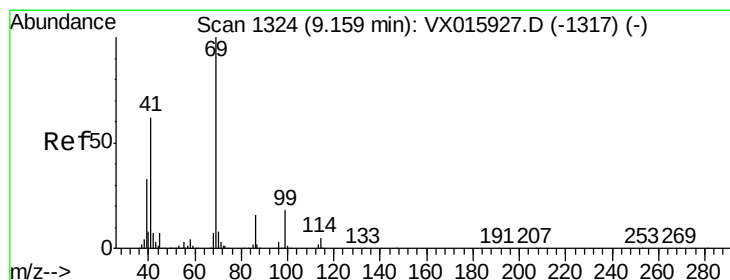
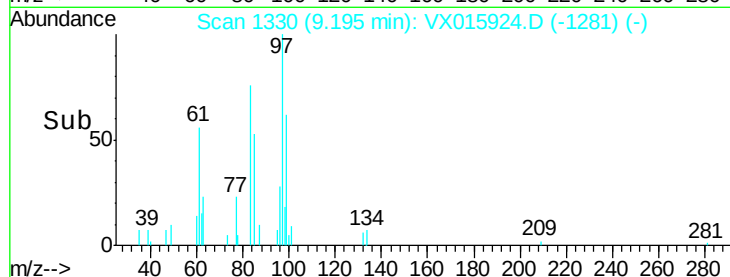
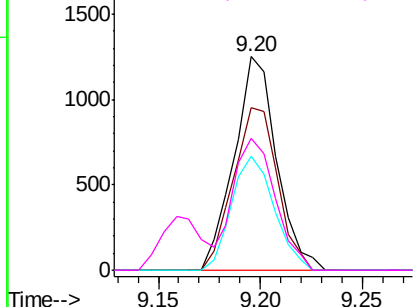
#55
 1,1,2-Trichloroethane
 Concen: 0.915 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VX015924.D
 Acq: 24 Apr 2020 11:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion:	97	Resp:	1811
Ion	Ratio	Lower	Upper
97	100		
83	75.9	68.6	103.0
85	53.4	44.0	66.0
99	62.0	49.7	74.5

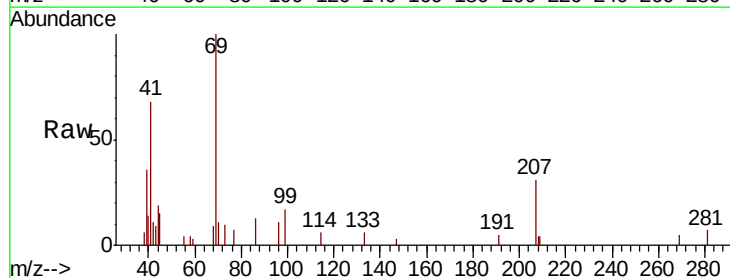


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

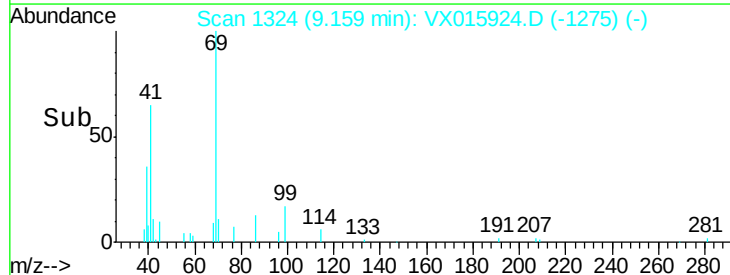
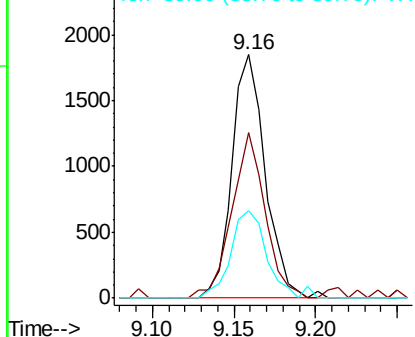


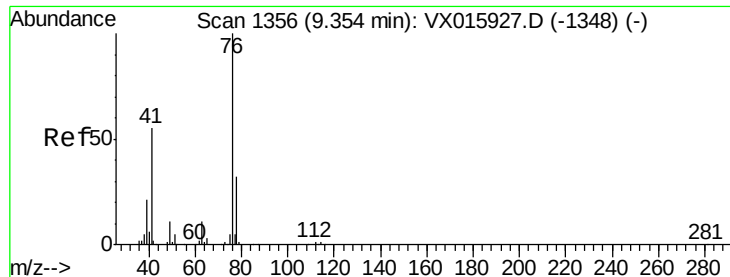
#56
 Ethyl methacrylate
 Concen: 0.853 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VX015924.D
 Acq: 24 Apr 2020 11:05

Tgt Ion:	69	Resp:	2631
Ion	Ratio	Lower	Upper
69	100		
41	68.0	49.2	73.8
39	39.3	26.0	39.0#



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





#57

1,3-Dichloropropane

Concen: 0.853 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. 0.00 min

Lab File: VX015924.D

Acq: 24 Apr 2020 11:05

Instrument :

MSVOA_X

ClientSampleId :

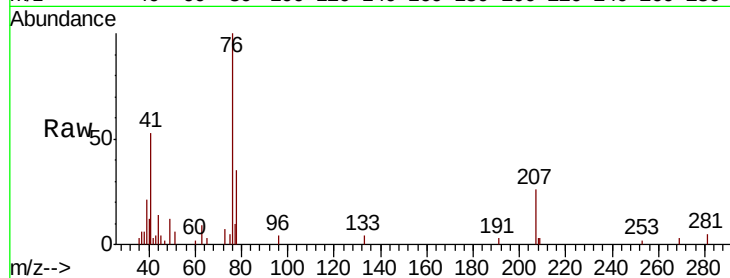
VSTDIC001

Tot Ion: 76 Resp: 2867

Ion Ratio Lower Upper

76 100

78 35.1 25.6 38.4



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2500

2000

1500

1000

500

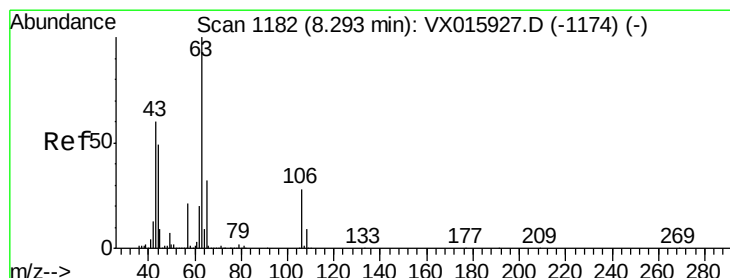
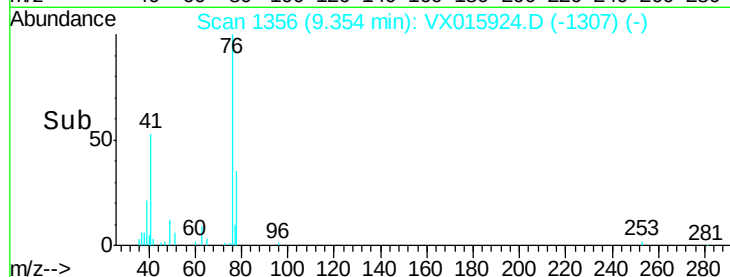
0

9.30

9.35

9.40

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 4.114 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VX015924.D

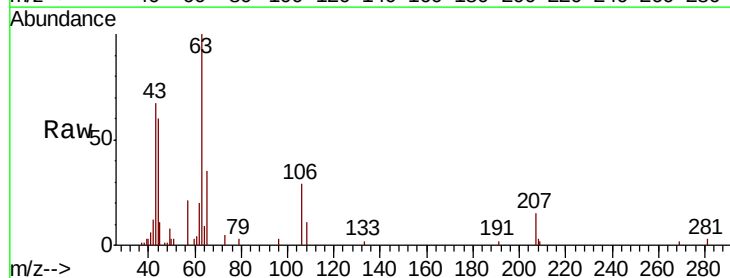
Acq: 24 Apr 2020 11:05

Tgt Ion: 63 Resp: 6312

Ion Ratio Lower Upper

63 100

106 29.8 23.0 34.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

4000

3000

2000

1000

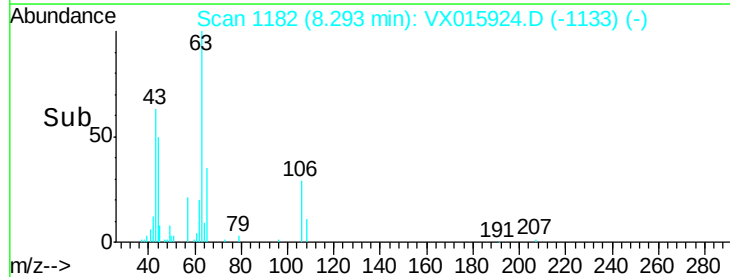
0

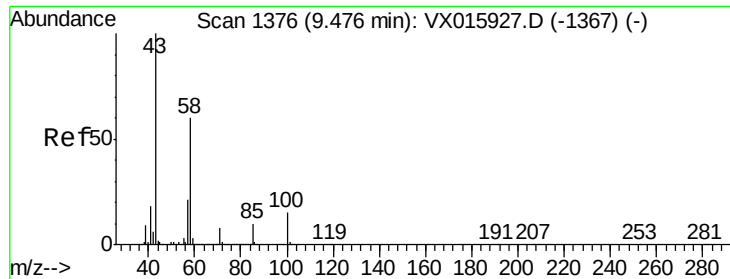
8.25

8.30

8.35

Time-->

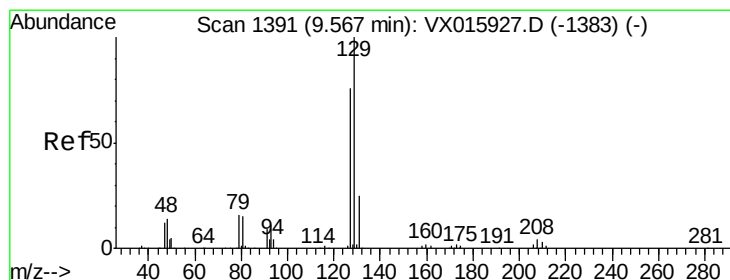
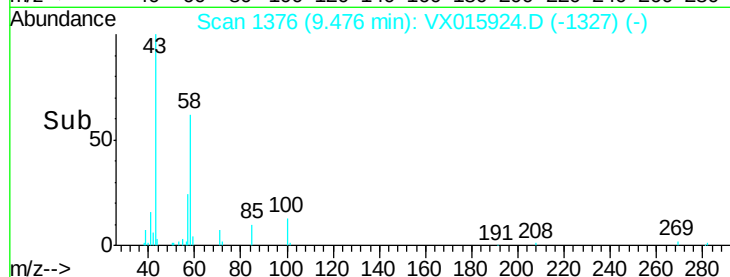
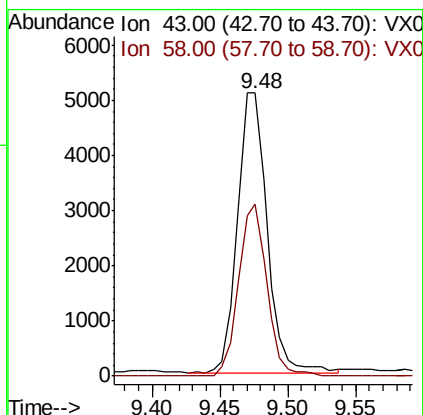
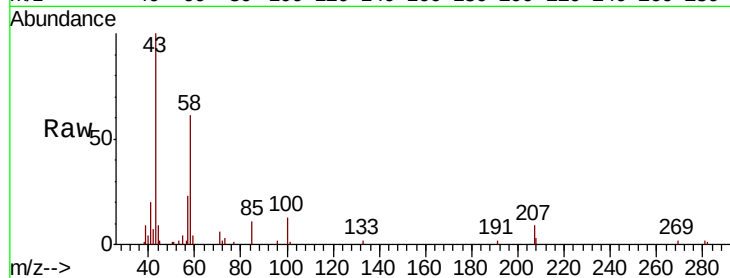




#59
2-Hexanone
Concen: 4.072 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. 0.00 min
Lab File: VX015924.D
Acq: 24 Apr 2020 11:05

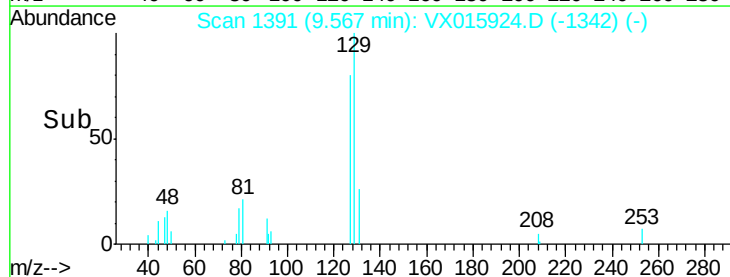
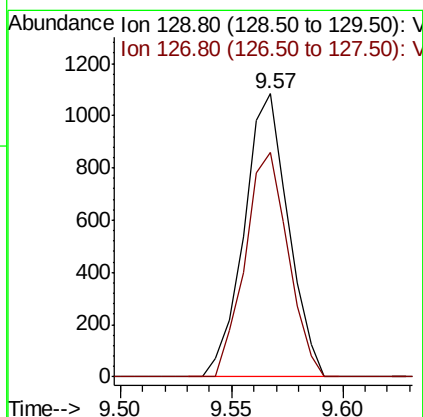
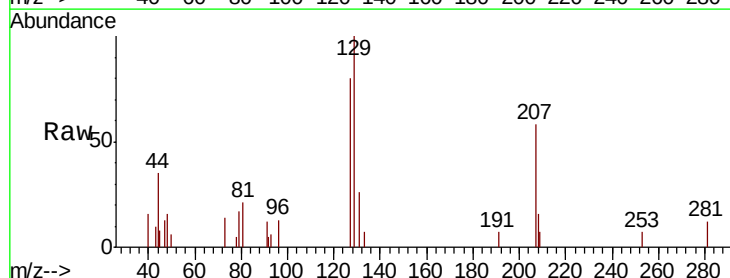
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

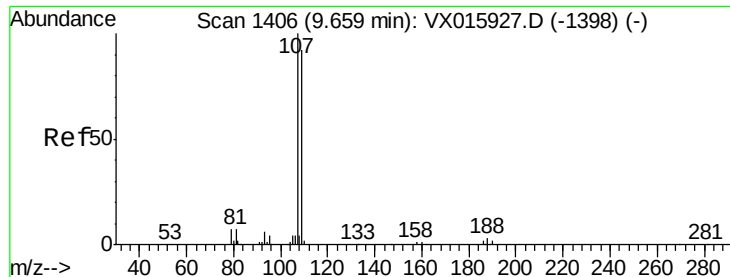
Tot Ion: 43 Resp: 7688
Ion Ratio Lower Upper
43 100
58 58.9 29.7 89.1



#60
Dibromochloromethane
Concen: 0.792 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VX015924.D
Acq: 24 Apr 2020 11:05

Tgt Ion: 129 Resp: 1500
Ion Ratio Lower Upper
129 100
127 77.3 38.8 116.3





#61

1,2-Dibromoethane

Concen: 0.884 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. -0.01 min

Lab File: VX015924.D

Acq: 24 Apr 2020 11:05

Instrument :

MSVOA_X

ClientSampled :

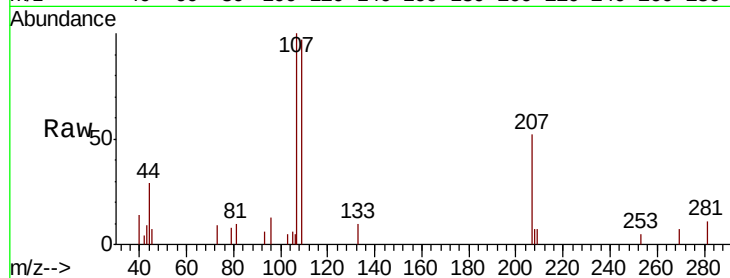
VSTDIC001

Tot Ion:107 Resp: 1794

Ion Ratio Lower Upper

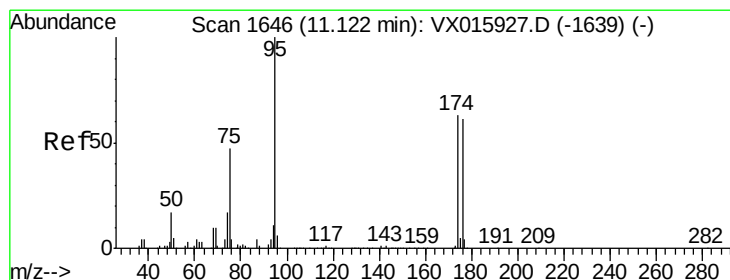
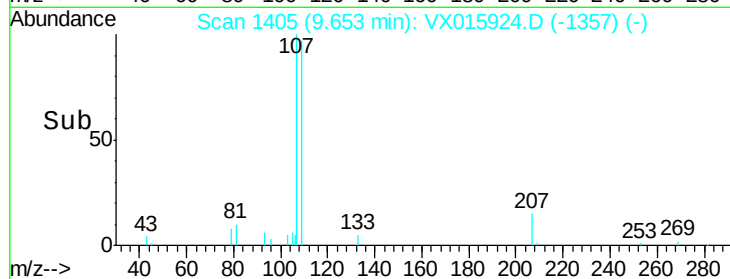
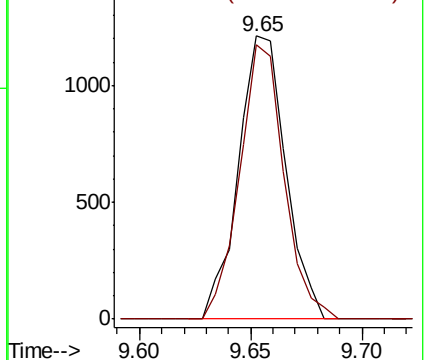
107 100

109 91.2 75.1 112.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 1.196 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX015924.D

Acq: 24 Apr 2020 11:05

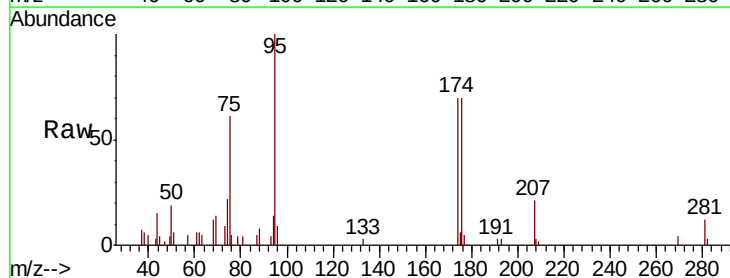
Tgt Ion: 95 Resp: 3245

Ion Ratio Lower Upper

95 100

174 66.4 0.0 133.6

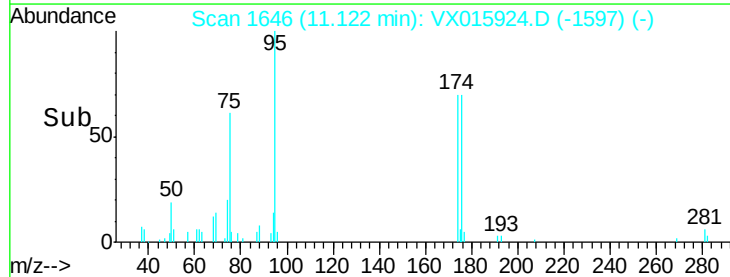
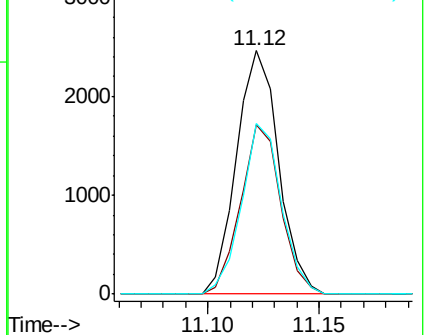
176 66.5 0.0 126.0

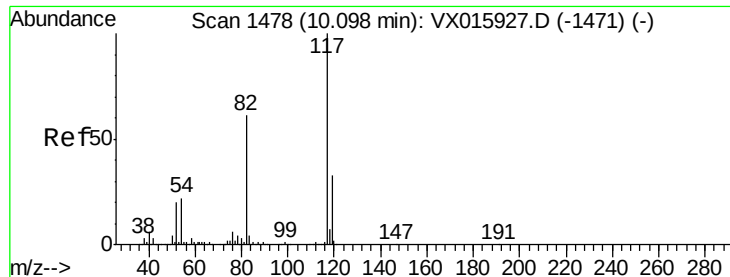


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. 0.00 min

Lab File: VX015924.D

Acq: 24 Apr 2020 11:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

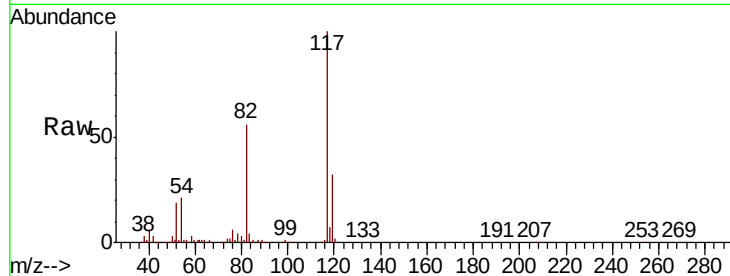
Tot Ion:117 Resp: 267026

Ion Ratio Lower Upper

117 100

82 56.0 48.5 72.7

119 31.6 26.2 39.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

250000

200000

150000

100000

50000

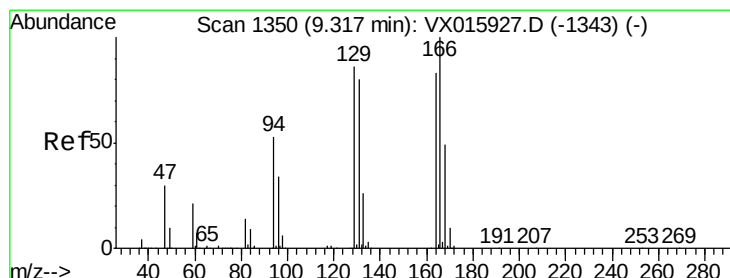
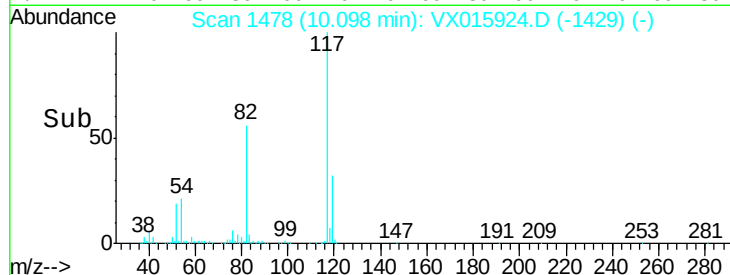
0

10.10

10.00

10.20

Time-->



#64

Tetrachloroethene

Concen: 0.907 ug/l

RT: 9.32 min Scan# 1351

Delta R.T. 0.01 min

Lab File: VX015924.D

Acq: 24 Apr 2020 11:05

Tgt Ion:164 Resp: 2405

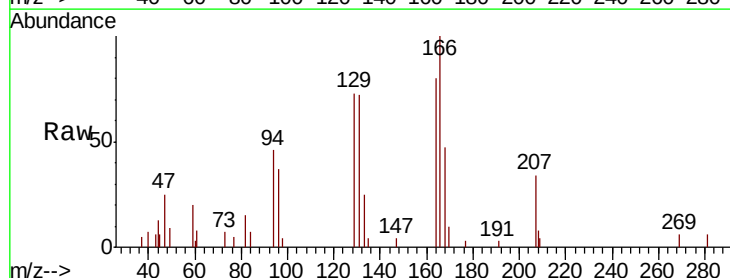
Ion Ratio Lower Upper

164 100

166 124.5 96.7 145.1

129 90.8 82.8 124.2

131 89.8 77.0 115.4



Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

3000

2000

1000

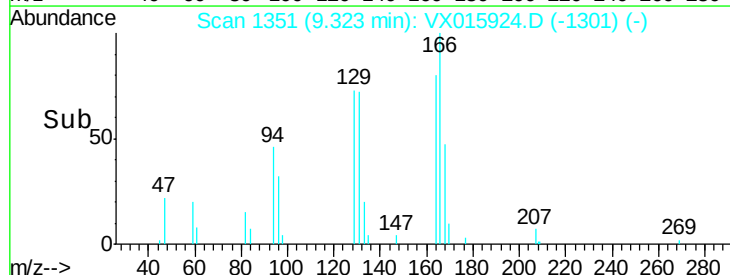
0

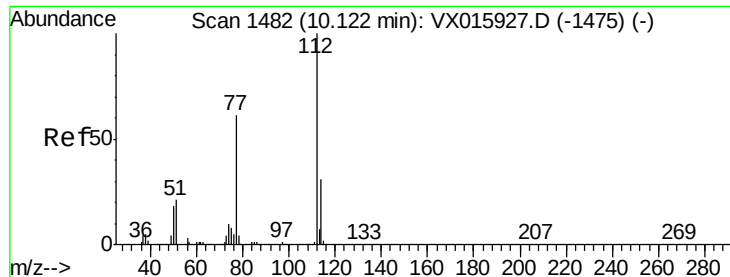
9.32

9.25

9.35

Time-->





#65

Chlorobenzene

Concen: 0.880 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX015924.D

Acq: 24 Apr 2020 11:05

Instrument :

MSVOA_X

ClientSampleId :

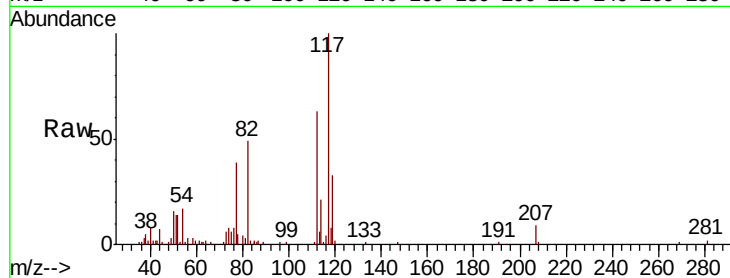
VSTDIC001

Tot Ion:112 Resp: 4574

Ion Ratio Lower Upper

112 100

114 32.8 25.2 37.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.12

4000

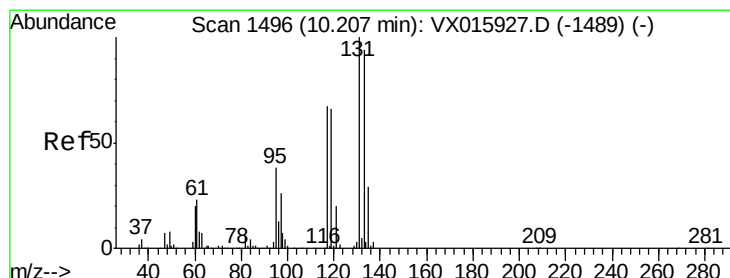
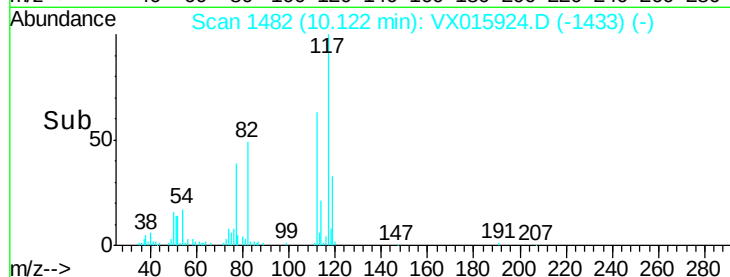
3000

2000

1000

0

Time--> 10.05 10.10 10.15



#66

1,1,1,2-Tetrachloroethane

Concen: 0.864 ug/l

RT: 10.21 min Scan# 1496

Delta R.T. 0.00 min

Lab File: VX015924.D

Acq: 24 Apr 2020 11:05

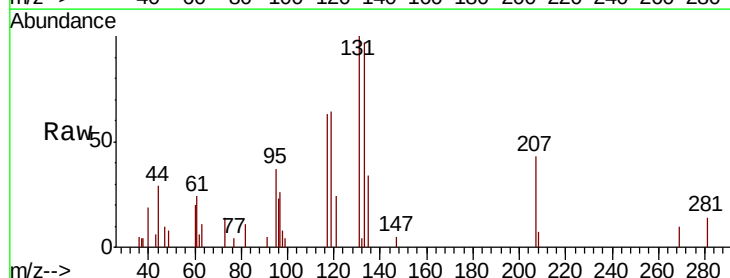
Tgt Ion:131 Resp: 1574

Ion Ratio Lower Upper

131 100

133 102.1 46.7 140.0

119 0.0 33.7 101.0#



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

10.21

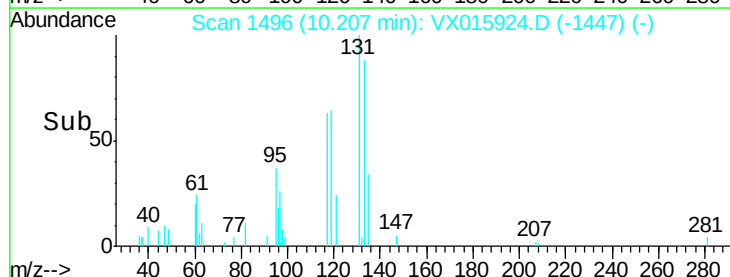
1500

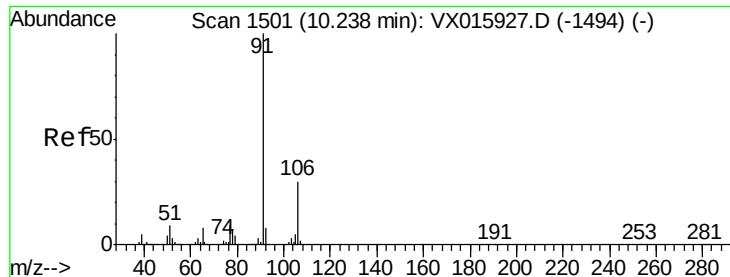
1000

500

0

Time--> 10.15 10.20 10.25

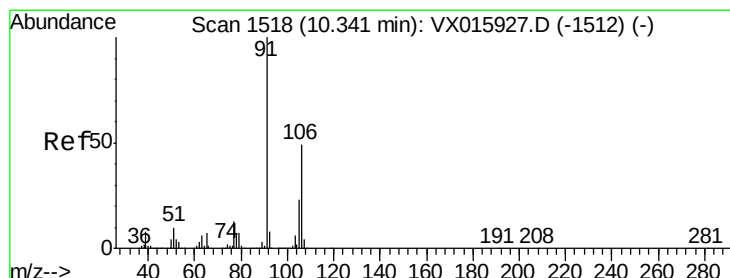
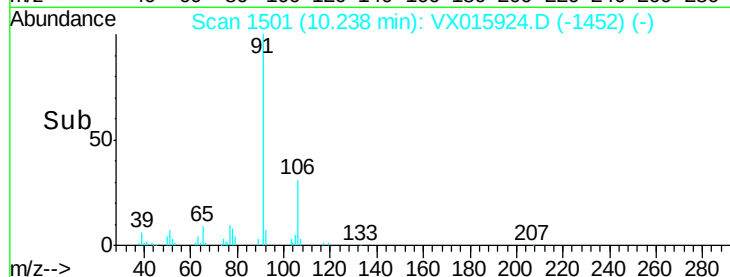
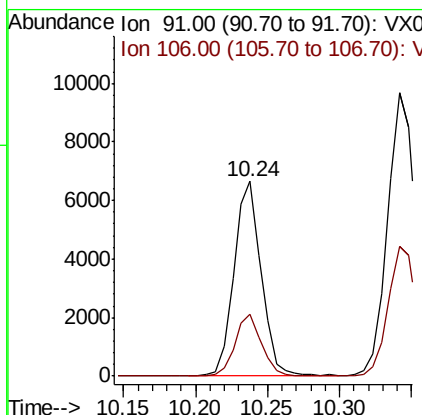
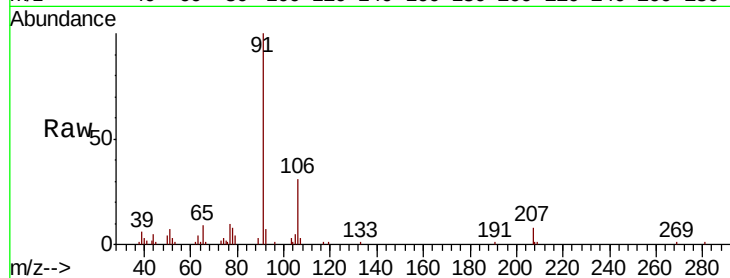




#67
Ethyl Benzene
Concen: 0.916 ug/l
RT: 10.24 min Scan# 1501
Delta R.T. 0.00 min
Lab File: VX015924.D
Acq: 24 Apr 2020 11:05

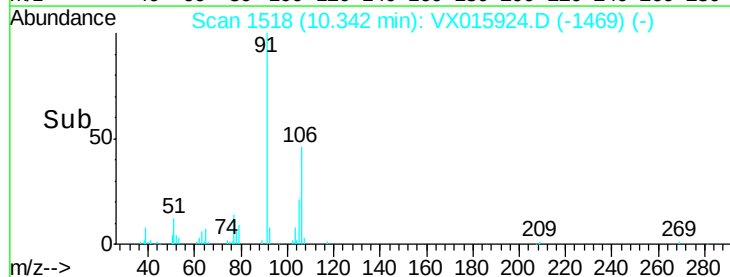
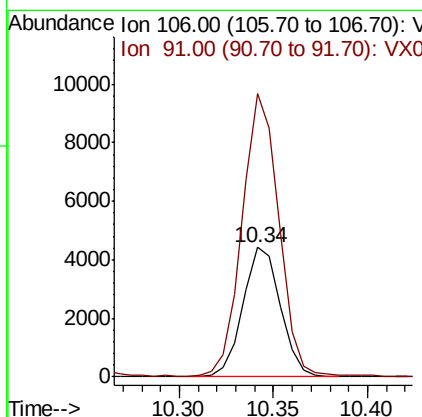
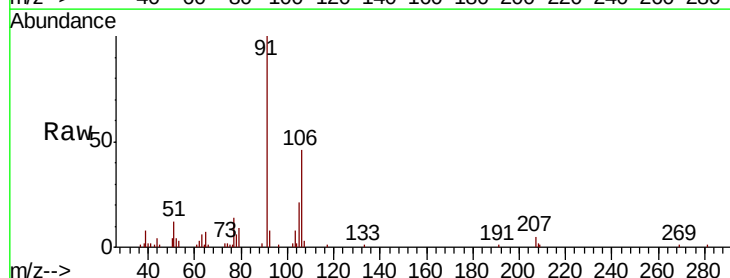
Instrument :
MSVOA_X
ClientSampled :
VSTDIC001

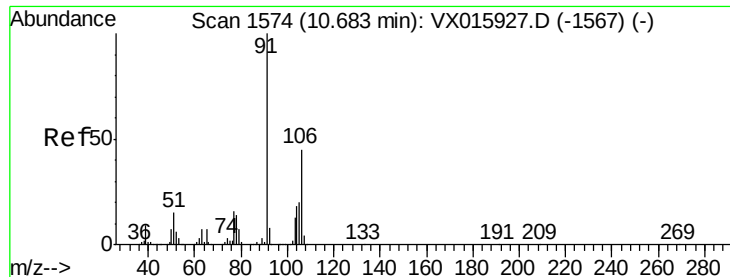
Tot Ion: 91 Resp: 8806
Ion Ratio Lower Upper
91 100
106 31.5 24.2 36.4



#68
m/p-Xylenes
Concen: 1.740 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VX015924.D
Acq: 24 Apr 2020 11:05

Tgt Ion: 106 Resp: 6088
Ion Ratio Lower Upper
106 100
91 216.9 164.9 247.3

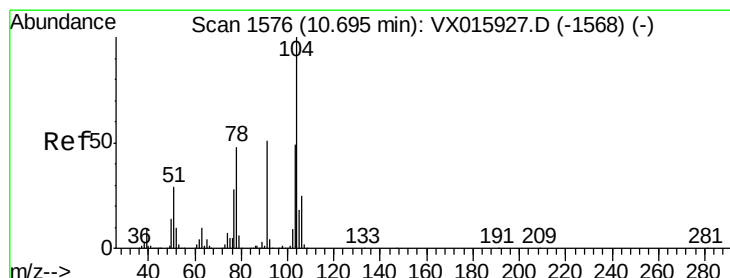
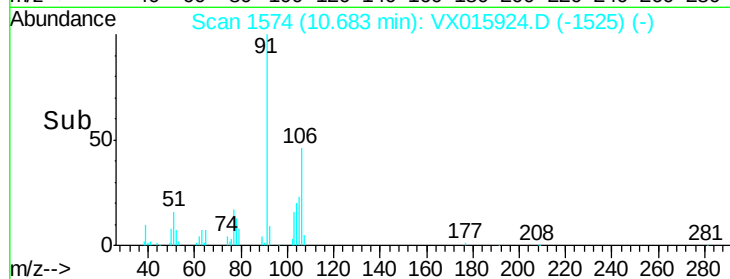
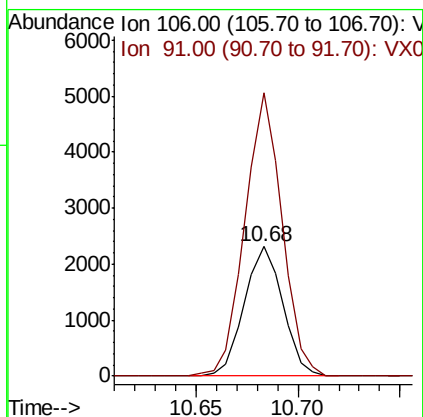
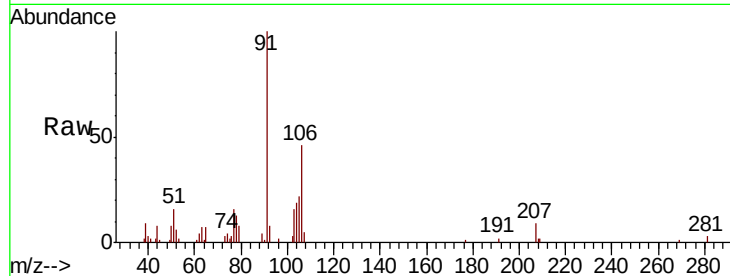




#69
o-Xylene
Concen: 0.893 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX015924.D
Acq: 24 Apr 2020 11:05

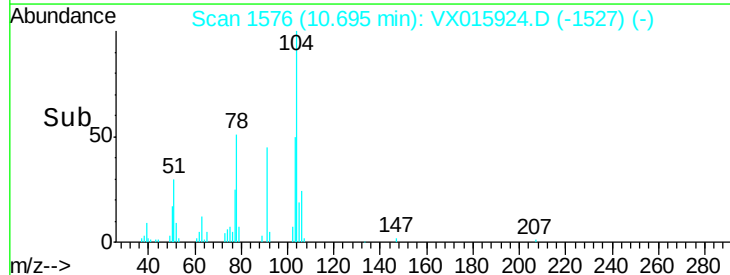
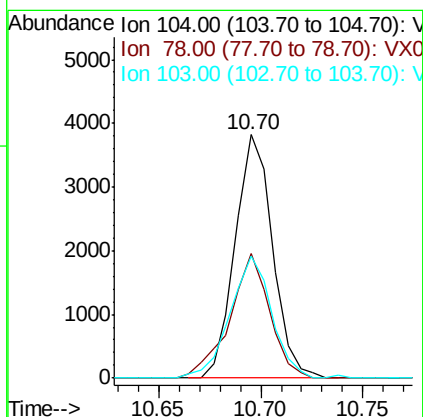
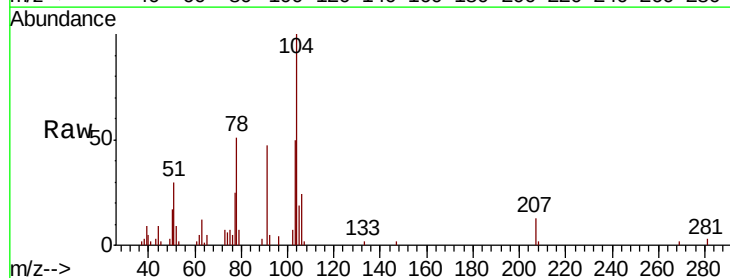
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

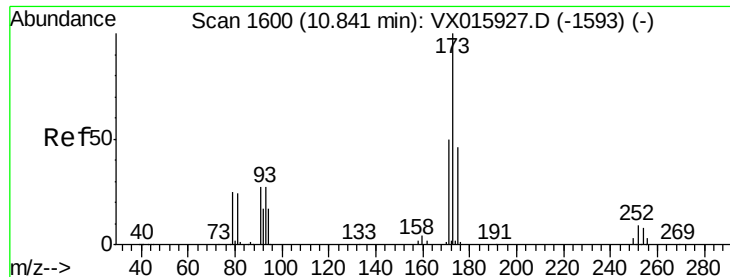
Tot Ion:106 Resp: 3045
Ion Ratio Lower Upper
106 100
91 210.8 108.6 325.8



#70
Styrene
Concen: 0.845 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX015924.D
Acq: 24 Apr 2020 11:05

Tgt Ion:104 Resp: 4858
Ion Ratio Lower Upper
104 100
78 54.3 40.5 60.7
103 55.6 42.7 64.1





#71

Bromoform

Concen: 0.779 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX015924.D

Acq: 24 Apr 2020 11:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

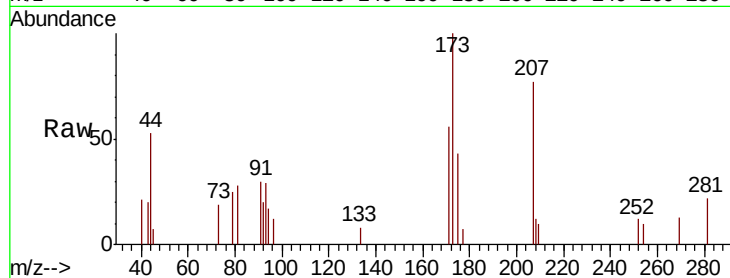
Tot Ion:173 Resp: 903

Ion Ratio Lower Upper

173 100

175 46.0 23.2 69.5

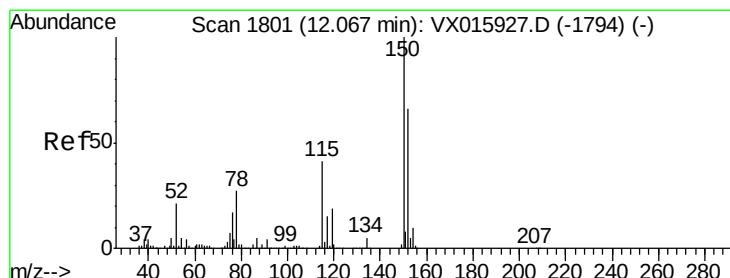
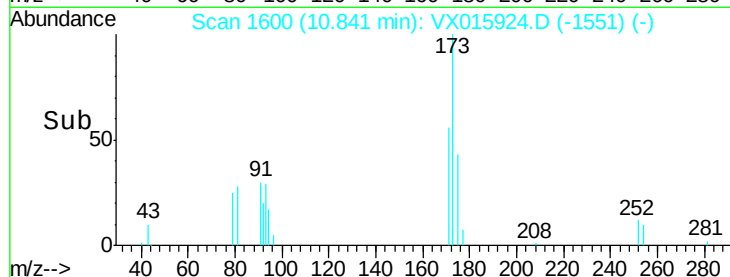
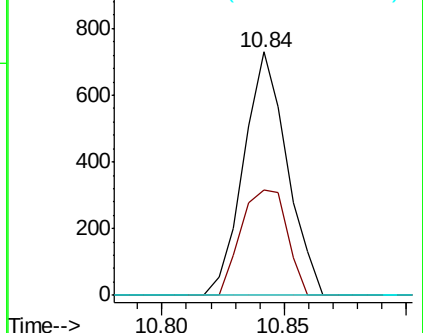
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VX015924.D

Acq: 24 Apr 2020 11:05

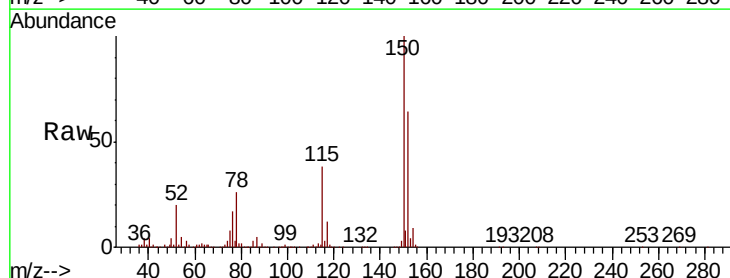
Tgt Ion:152 Resp: 125276

Ion Ratio Lower Upper

152 100

115 64.6 44.1 132.4

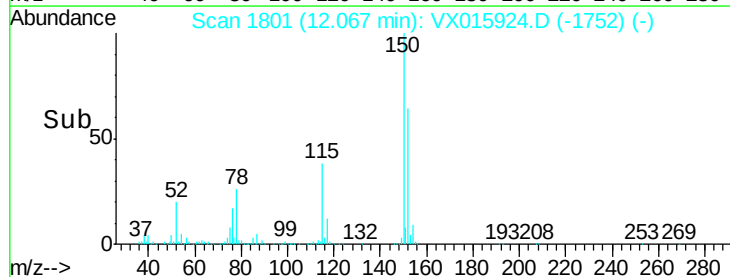
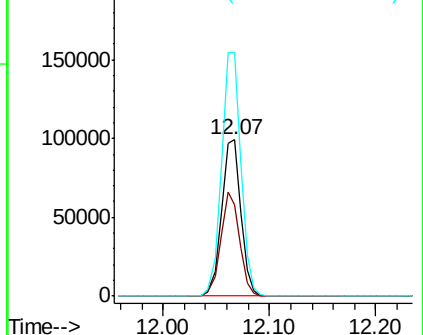
150 157.4 0.0 343.6

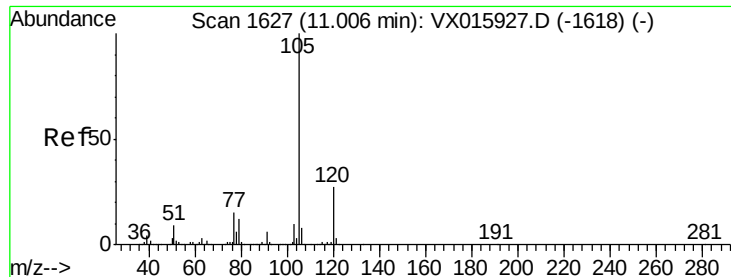


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 0.928 ug/l

RT: 11.01 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX015924.D

Acq: 24 Apr 2020 11:05

Instrument :

MSVOA_X

ClientSampleId :

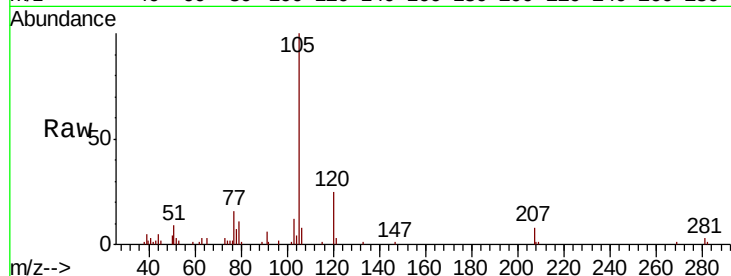
VSTDIC001

Tot Ion:105 Resp: 8507

Ion Ratio Lower Upper

105 100

120 24.5 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.01

6000

4000

2000

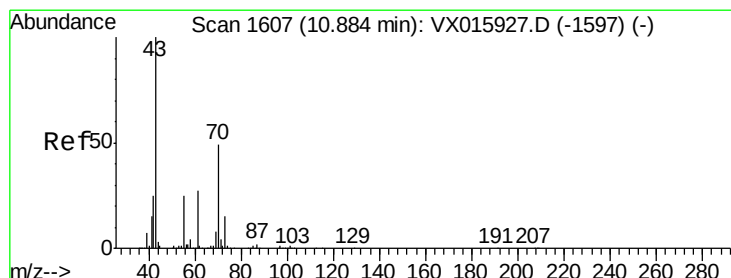
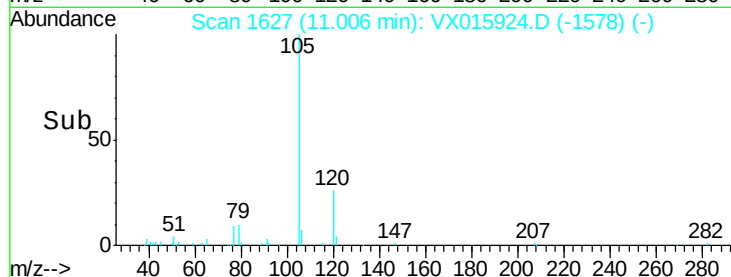
0

Time-->

10.95

11.00

11.05



#74

N-ethyl acetate

Concen: 0.888 ug/l

RT: 10.88 min Scan# 1607

Delta R.T. 0.00 min

Lab File: VX015924.D

Acq: 24 Apr 2020 11:05

Tgt Ion: 43 Resp: 3454

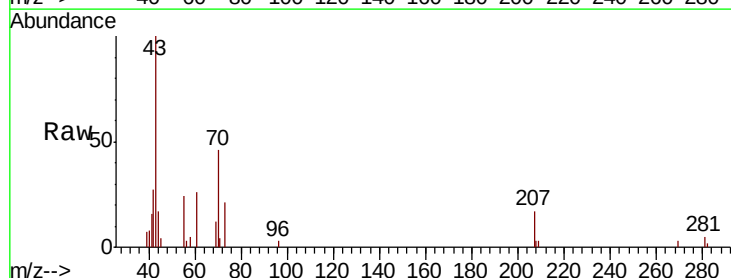
Ion Ratio Lower Upper

43 100

70 43.5 37.8 56.6

55 25.2 20.2 30.2

61 26.0 21.6 32.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

4000

3000

2000

1000

0

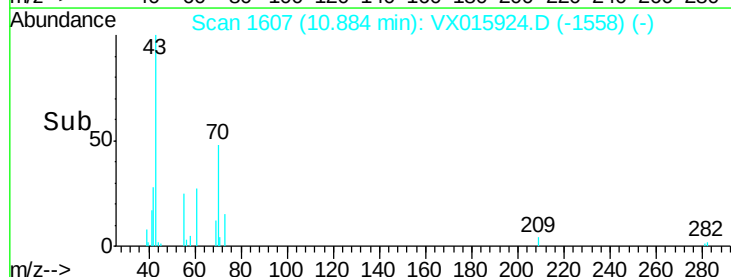
Time-->

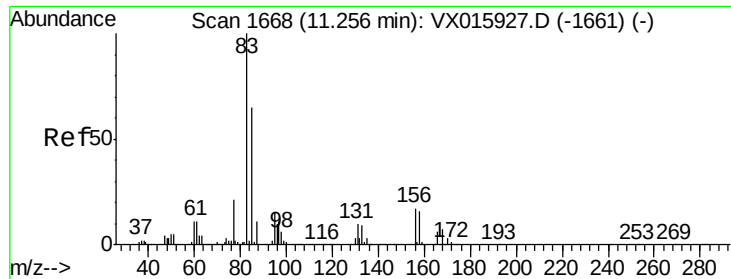
10.80

10.85

10.90

10.95





#75

1,1,2,2-Tetrachloroethane

Concen: 0.824 ug/l

RT: 11.26 min Scan# 1668

Delta R.T. 0.00 min

Lab File: VX015924.D

Acq: 24 Apr 2020 11:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

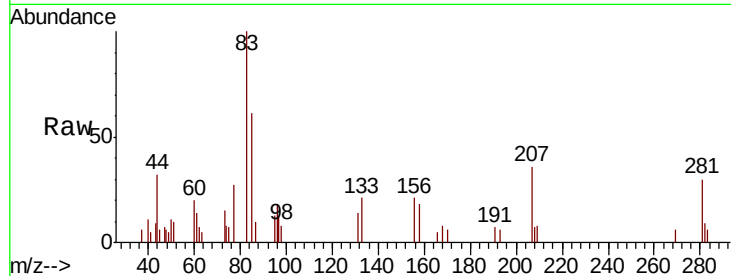
Tot Ion: 83 Resp: 1645

Ion	Ratio	Lower	Upper
83	100		
131	10.5	4.9	14.6
85	62.8	32.1	96.3

83 100

131 10.5 4.9 14.6

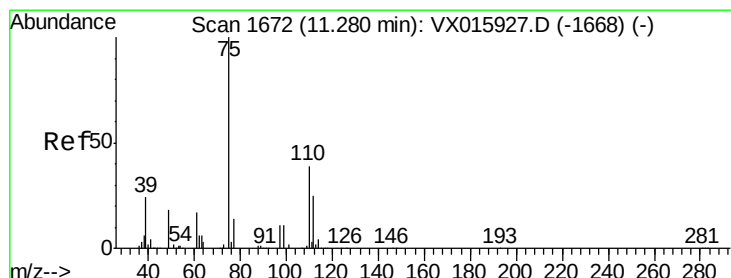
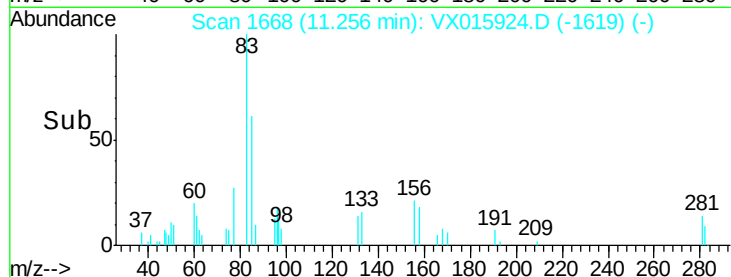
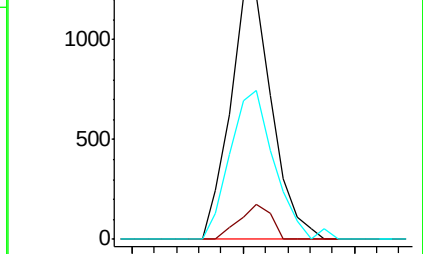
85 62.8 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 0.916 ug/l

RT: 11.28 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VX015924.D

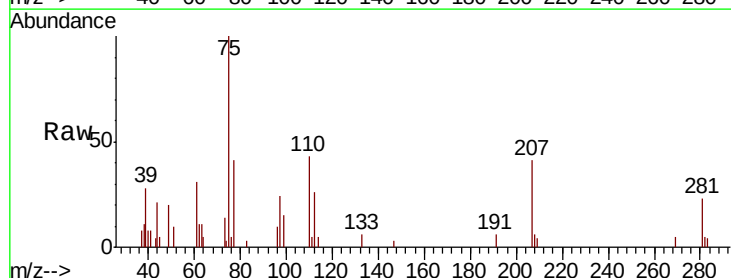
Acq: 24 Apr 2020 11:05

Tgt Ion: 75 Resp: 3002

Ion	Ratio	Lower	Upper
75	100		
77	33.4	22.1	66.5

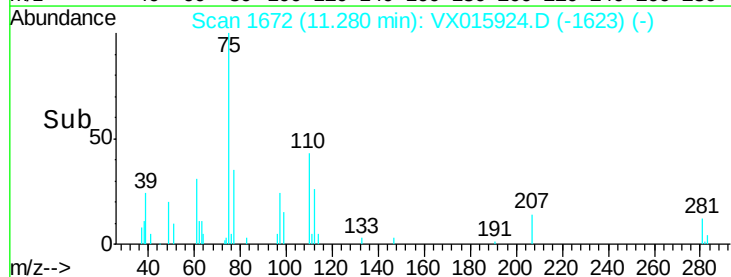
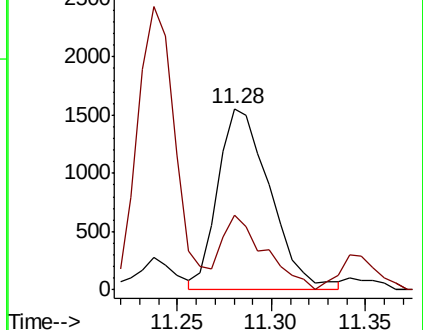
75 100

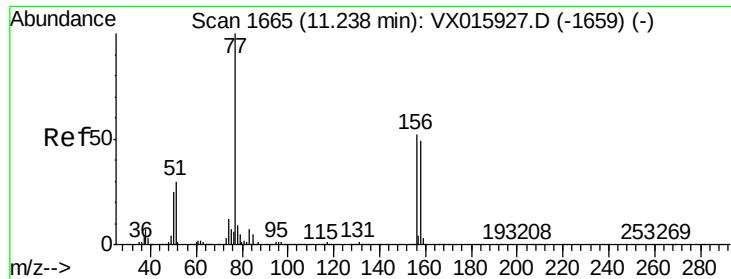
77 33.4 22.1 66.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 0.937 ug/l

RT: 11.24 min Scan# 1666

Delta R.T. 0.01 min

Lab File: VX015924.D

Acq: 24 Apr 2020 11:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

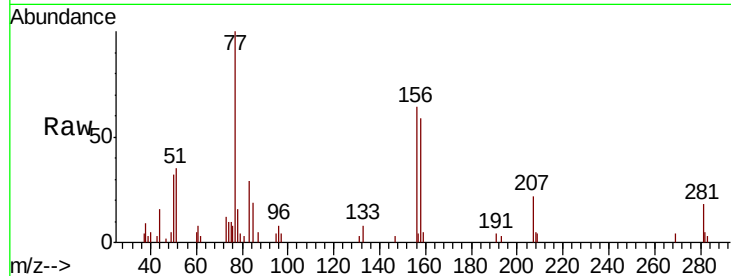
Tot Ion:156 Resp: 1927

Ion Ratio Lower Upper

156 100

77 178.9 94.0 281.9

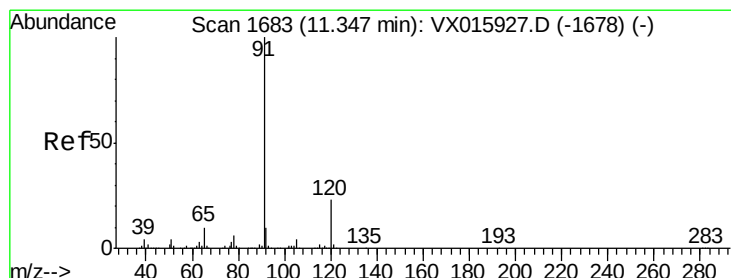
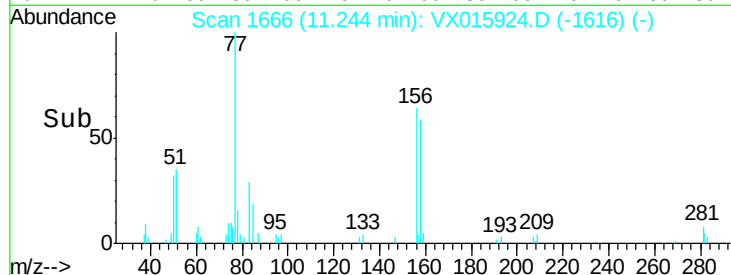
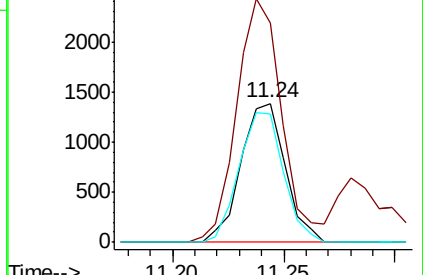
158 93.9 48.6 145.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 0.928 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. -0.01 min

Lab File: VX015924.D

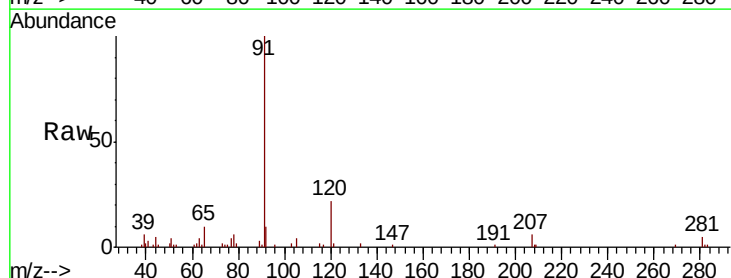
Acq: 24 Apr 2020 11:05

Tgt Ion: 91 Resp: 10007

Ion Ratio Lower Upper

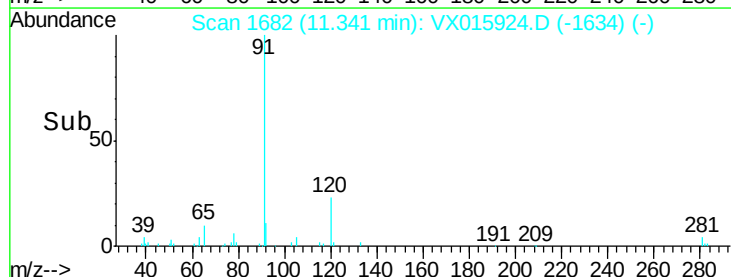
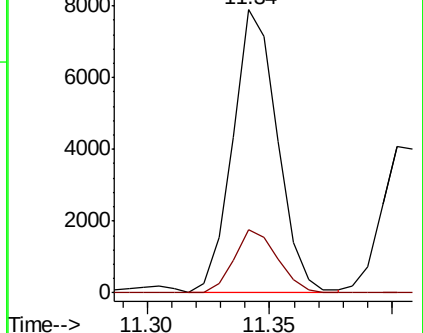
91 100

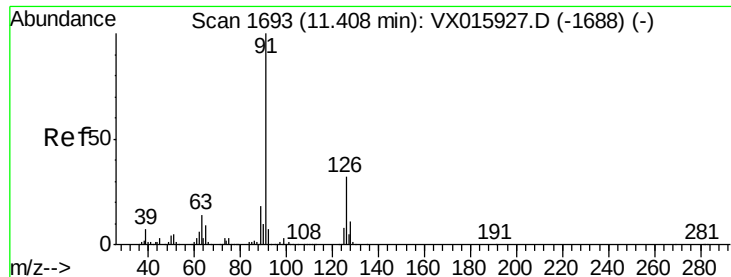
120 21.4 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 0.901 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. -0.01 min

Lab File: VX015924.D

Acq: 24 Apr 2020 11:05

Instrument :

MSVOA_X

ClientSampleId :

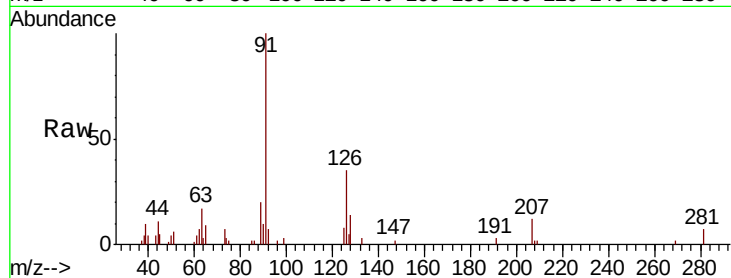
VSTDIC001

Tot Ion: 91 Resp: 5661

Ion Ratio Lower Upper

91 100

126 32.3 15.8 47.3



Abundance Ion 91.00 (90.70 to 91.70): VX015924.D (-1688) (-)

Ion 125.90 (125.60 to 126.60): VX015924.D (-1688) (-)

8000

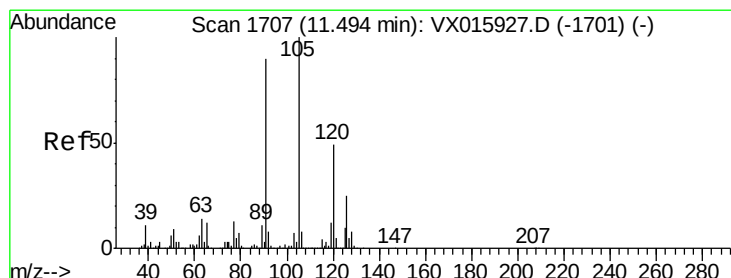
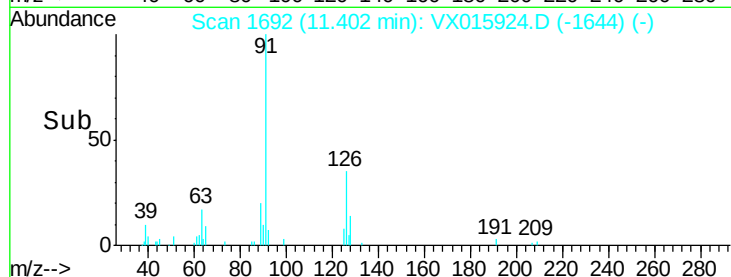
6000

4000

2000

0

Time--> 11.35 11.40 11.45



#80

1,3,5-Trimethylbenzene

Concen: 0.878 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX015924.D

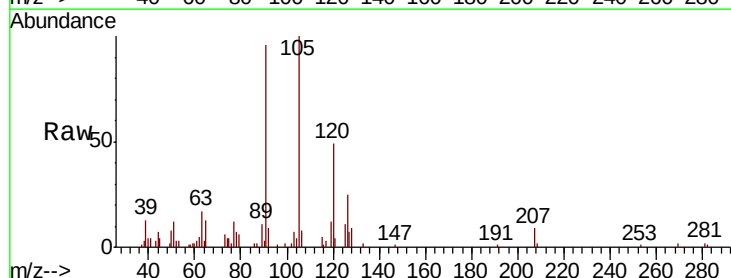
Acq: 24 Apr 2020 11:05

Tgt Ion:105 Resp: 6742

Ion Ratio Lower Upper

105 100

120 47.7 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VX015924.D (-1658) (-)

Ion 120.00 (119.70 to 120.70): VX015924.D (-1658) (-)

6000

5000

4000

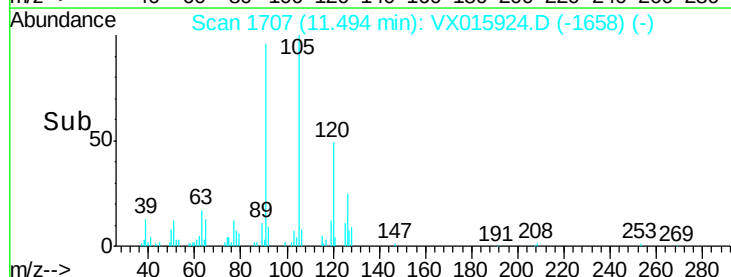
3000

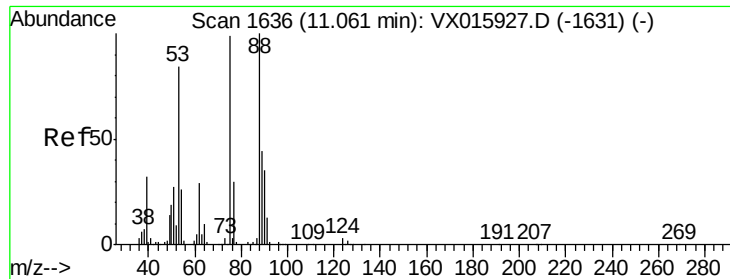
2000

1000

0

Time--> 11.45 11.50 11.55





#81

trans-1,4-Dichloro-2-butene

Concen: 0.840 ug/l

RT: 11.06 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VX015924.D

Acq: 24 Apr 2020 11:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

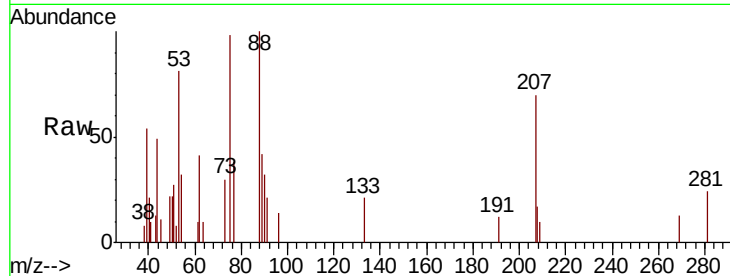
Tot Ion: 75 Resp: 897

Ion Ratio Lower Upper

75 100

53 80.6 69.7 104.5

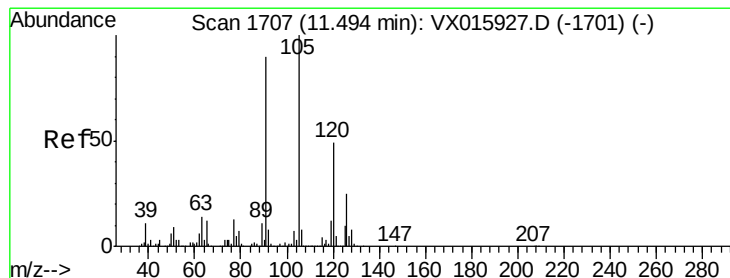
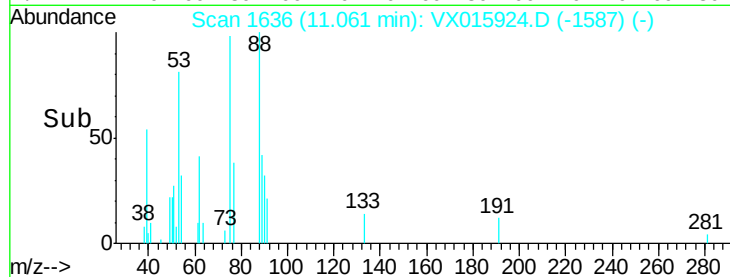
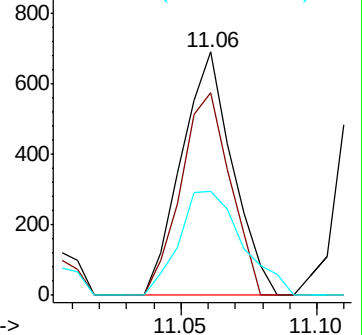
89 52.8 36.3 54.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 0.892 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX015924.D

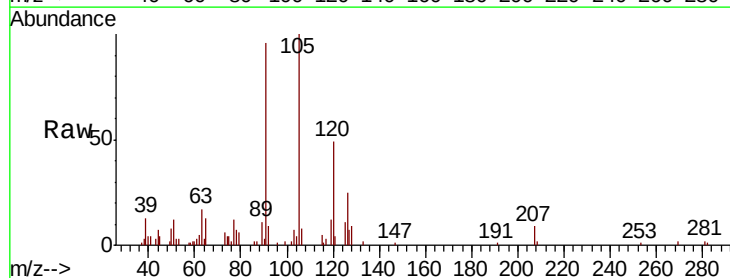
Acq: 24 Apr 2020 11:05

Tgt Ion: 91 Resp: 6692

Ion Ratio Lower Upper

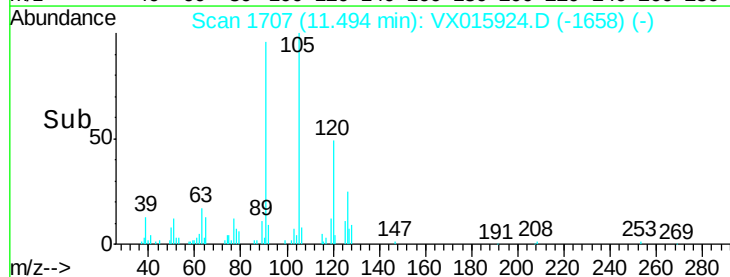
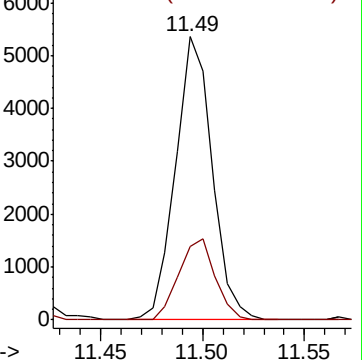
91 100

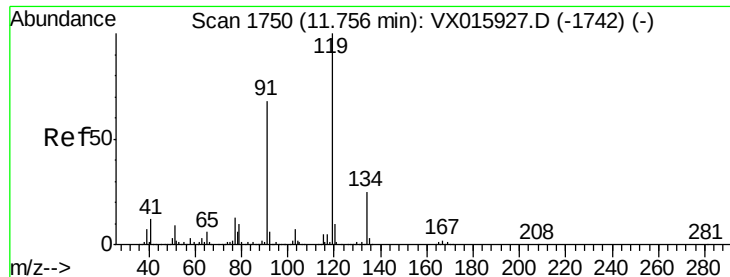
126 28.5 14.2 42.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 0.921 ug/l

RT: 11.76 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX015924.D

Acq: 24 Apr 2020 11:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

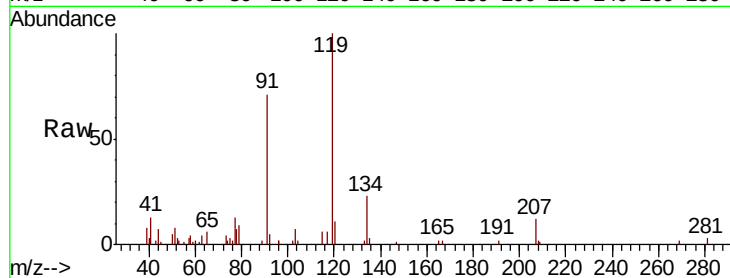
Tot Ion:119 Resp: 5983

Ion Ratio Lower Upper

119 100

91 66.9 34.3 102.8

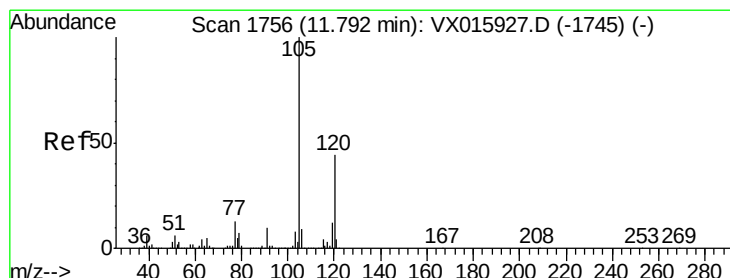
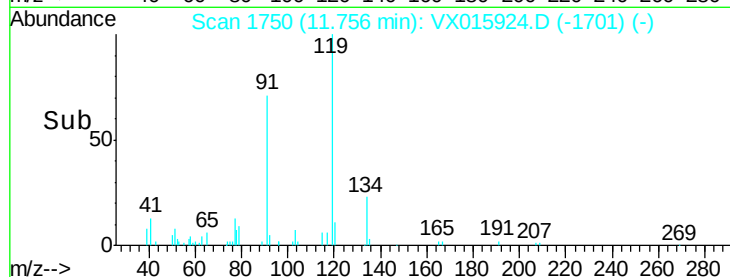
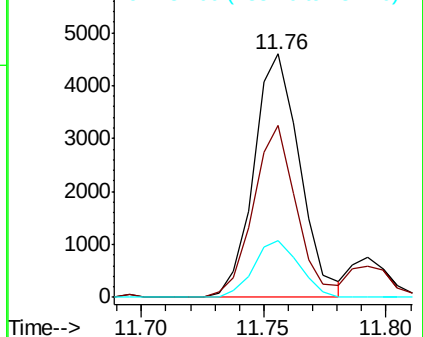
134 23.0 12.1 36.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 0.916 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VX015924.D

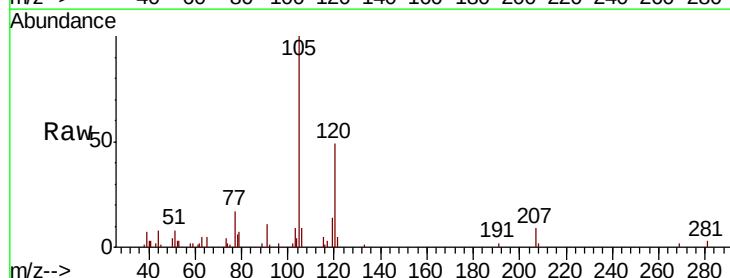
Acq: 24 Apr 2020 11:05

Tgt Ion:105 Resp: 7216

Ion Ratio Lower Upper

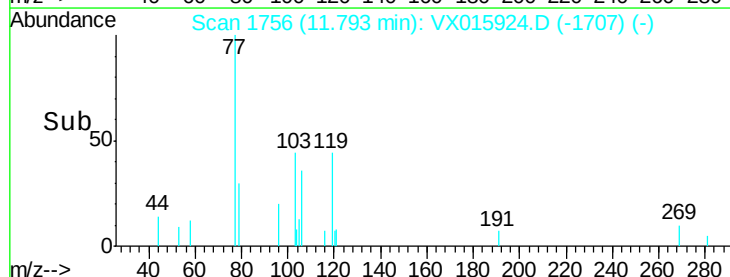
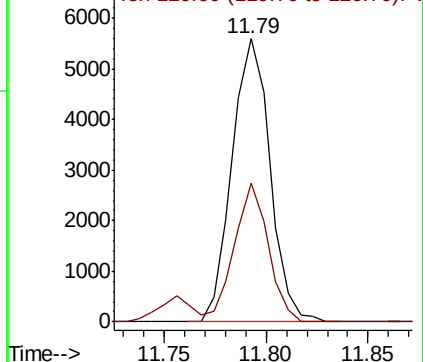
105 100

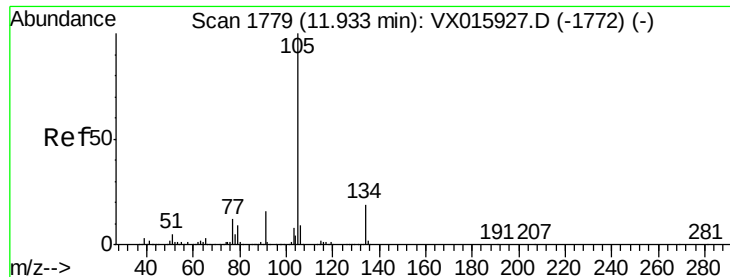
120 43.8 22.3 66.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 0.896 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VX015924.D

Acq: 24 Apr 2020 11:05

Instrument :

MSVOA_X

ClientSampleId :

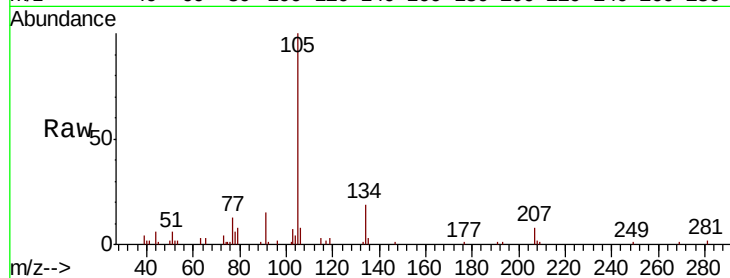
VSTDIC001

Tot Ion:105 Resp: 7898

Ion Ratio Lower Upper

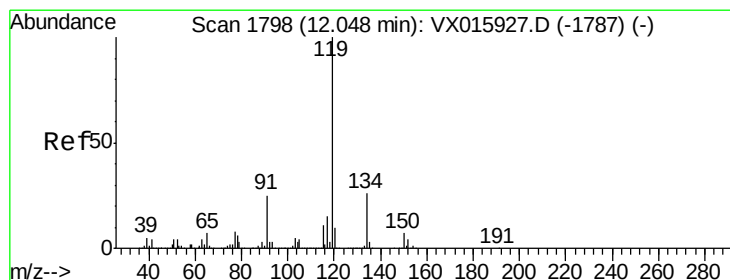
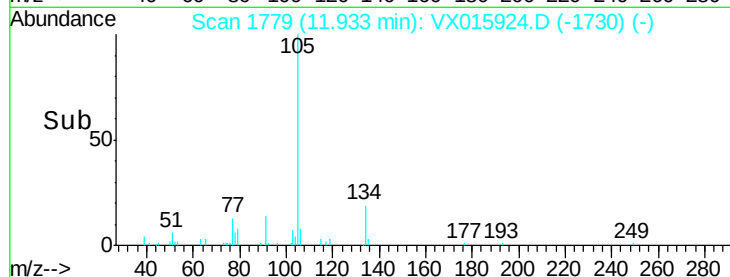
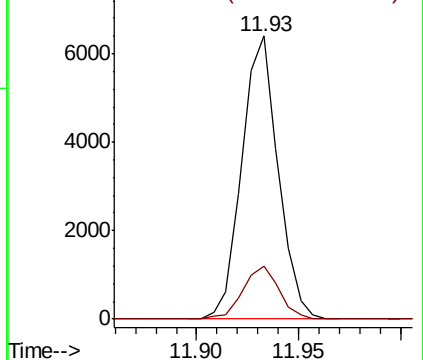
105 100

134 18.7 9.3 28.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.887 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VX015924.D

Acq: 24 Apr 2020 11:05

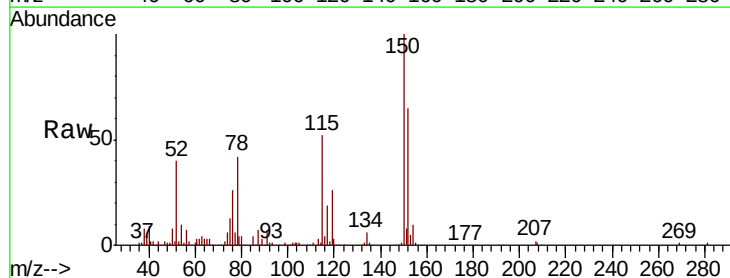
Tgt Ion:119 Resp: 7126

Ion Ratio Lower Upper

119 100

134 26.9 12.6 37.8

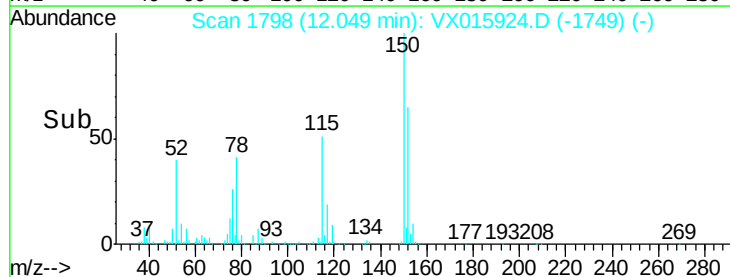
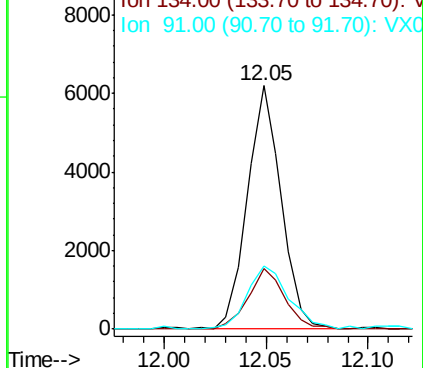
91 32.3 12.2 36.6

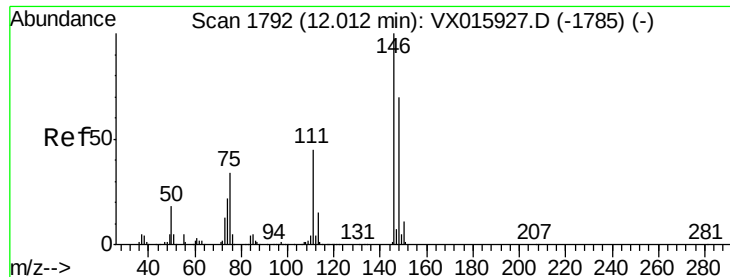


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

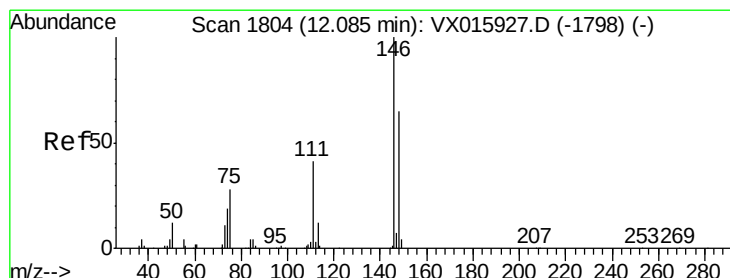
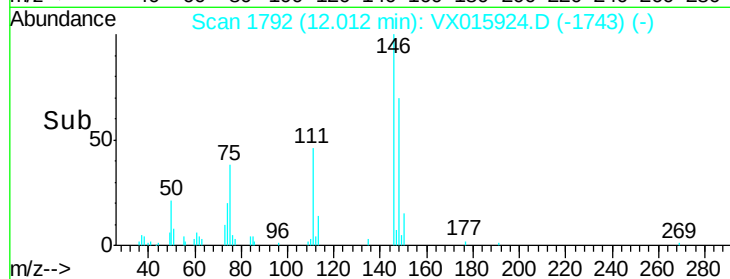
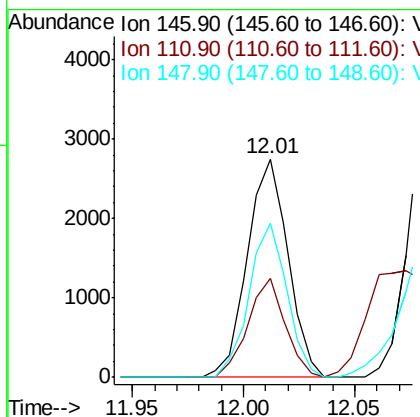
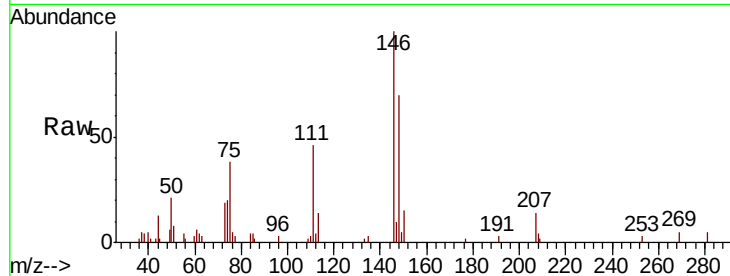




#87
 1,3-Dichlorobenzene
 Concen: 0.923 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX015924.D
 Acq: 24 Apr 2020 11:05

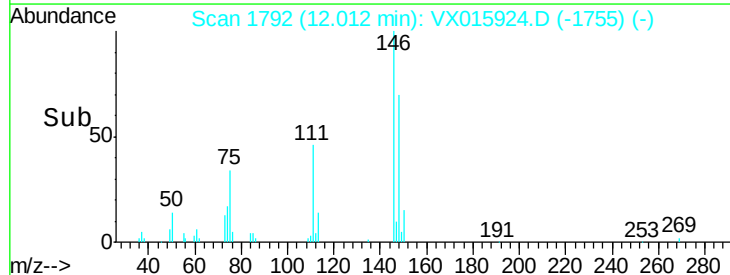
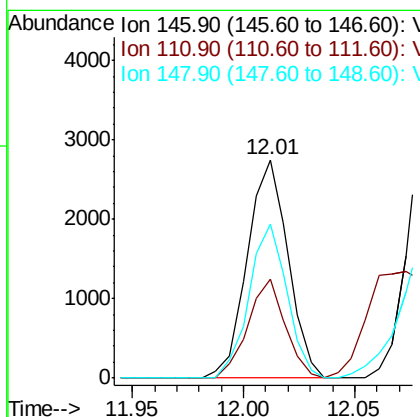
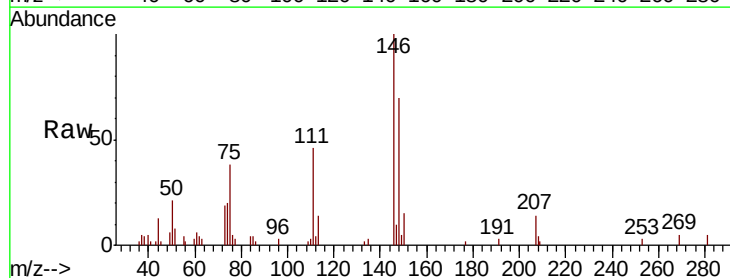
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

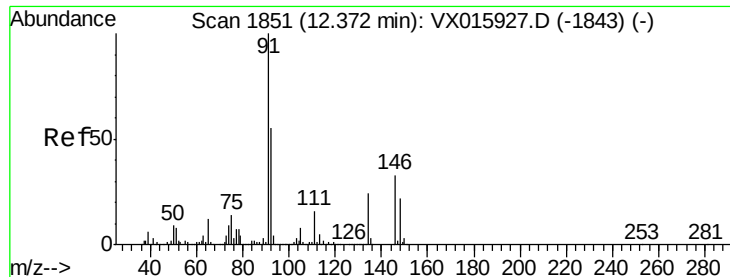
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	22.2	66.6
148	65.8	32.8	98.4



#88
 1,4-Dichlorobenzene
 Concen: 0.910 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. -0.07 min
 Lab File: VX015924.D
 Acq: 24 Apr 2020 11:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.7	21.6	64.6
148	65.8	32.3	96.8

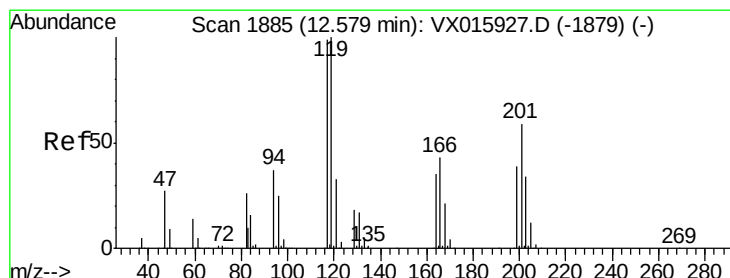
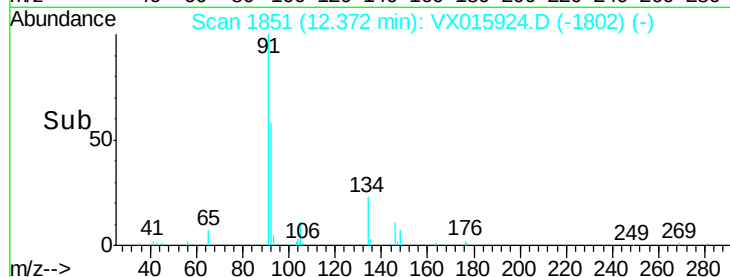
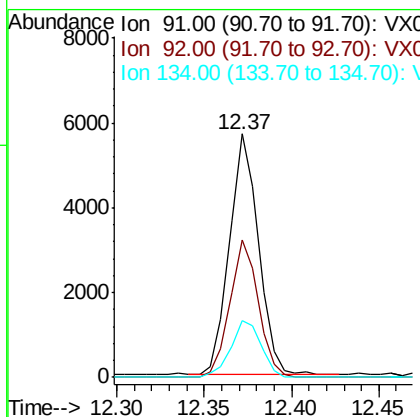
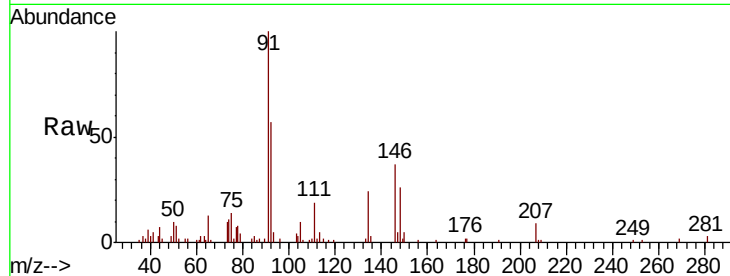




#89
n-Butylbenzene
Concen: 0.876 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VX015924.D
Acq: 24 Apr 2020 11:05

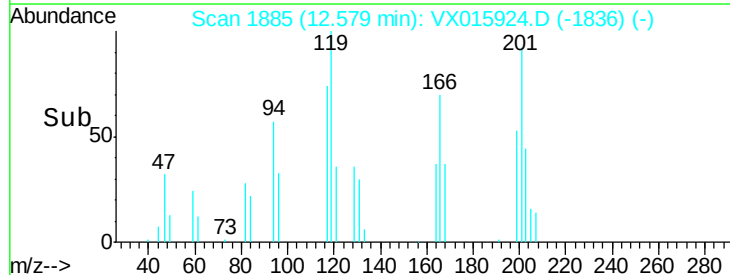
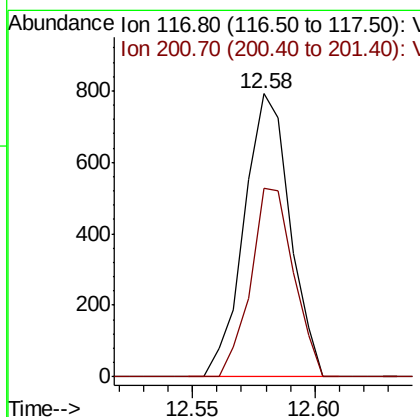
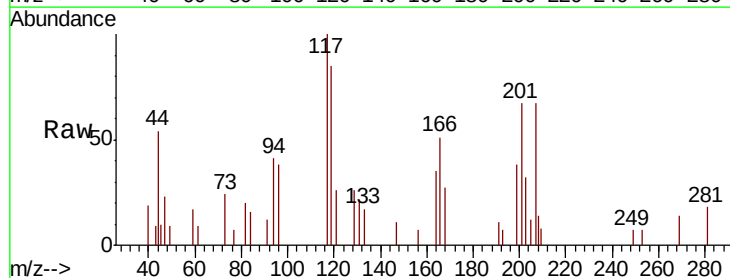
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

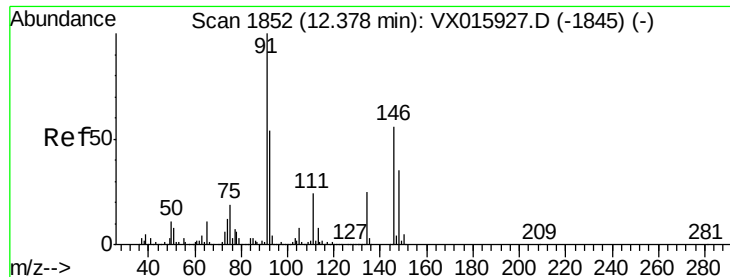
Tot Ion: 91 Resp: 6598
Ion Ratio Lower Upper
91 100
92 55.7 27.3 81.9
134 24.5 12.2 36.4



#90
Hexachloroethane
Concen: 0.864 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX015924.D
Acq: 24 Apr 2020 11:05

Tgt Ion: 117 Resp: 1031
Ion Ratio Lower Upper
117 100
201 62.4 32.1 96.3

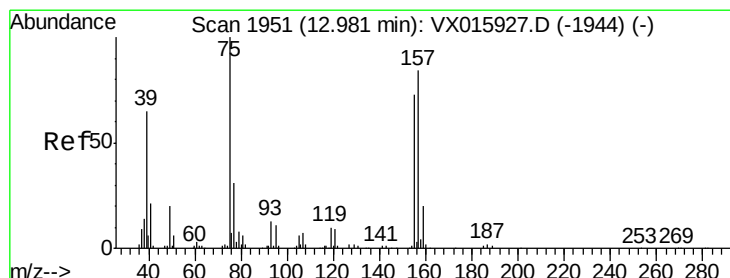
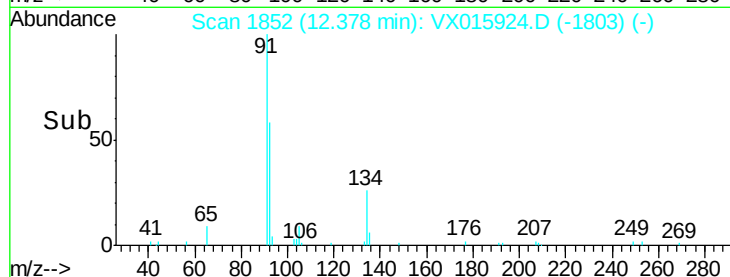
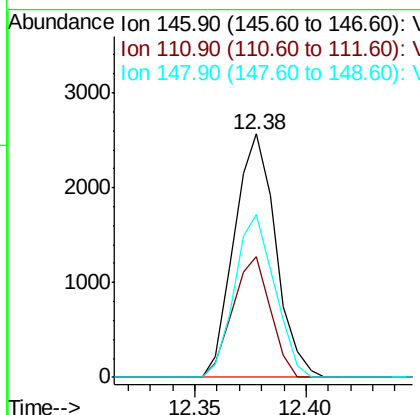
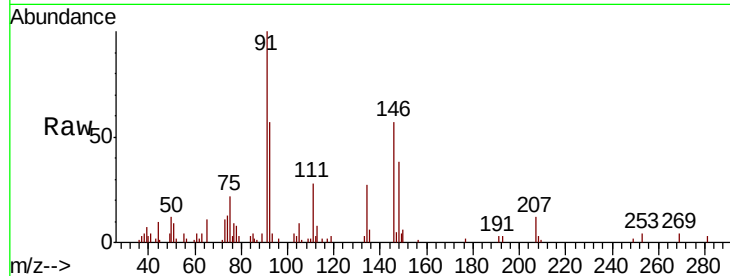




#91
 1,2-Dichlorobenzene
 Concen: 0.902 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VX015924.D
 Acq: 24 Apr 2020 11:05

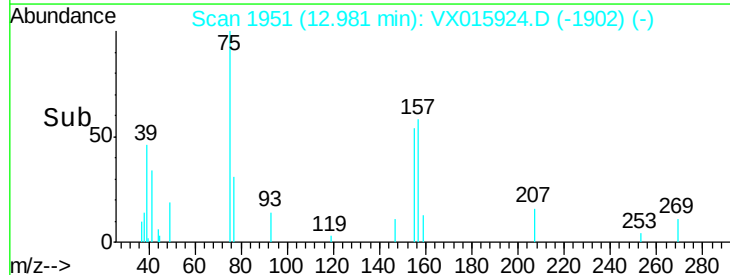
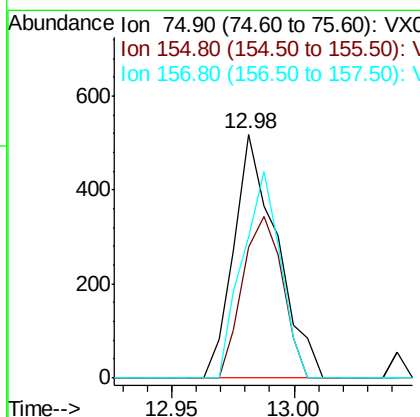
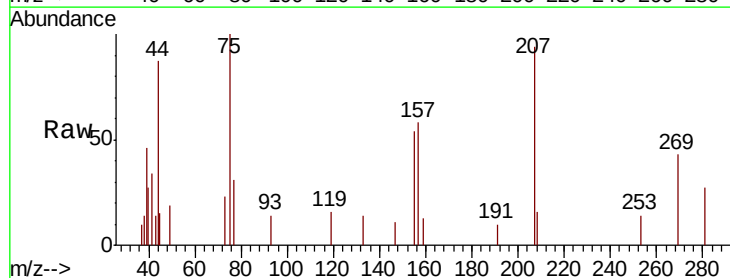
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

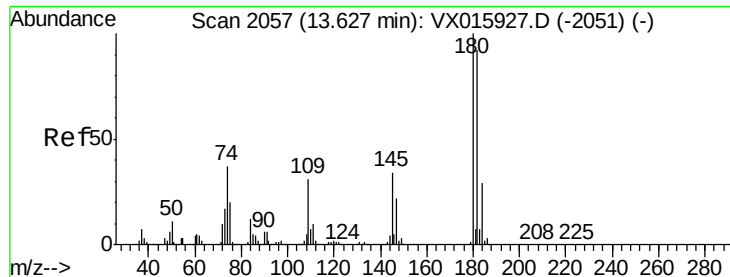
Tot Ion:146 Resp: 3331
 Ion Ratio Lower Upper
 146 100
 111 45.0 22.3 66.8
 148 64.6 31.4 94.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.986 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VX015924.D
 Acq: 24 Apr 2020 11:05

Tgt Ion: 75 Resp: 635
 Ion Ratio Lower Upper
 75 100
 155 61.6 37.9 113.6
 157 74.3 47.9 143.8

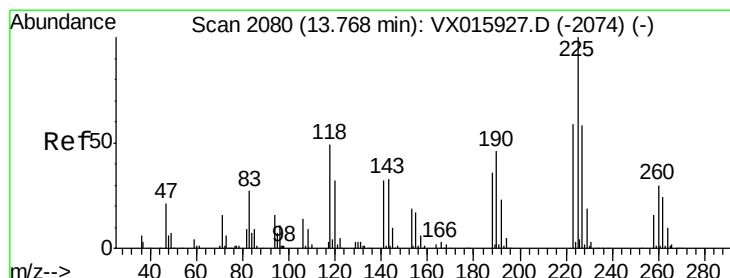
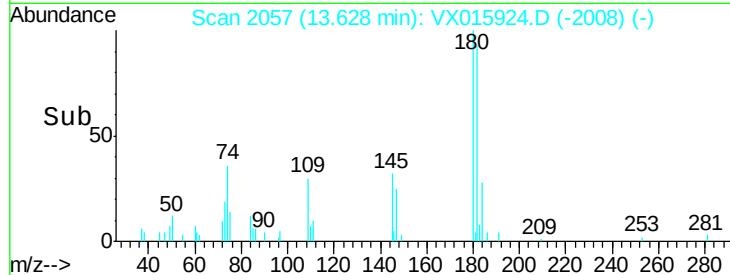
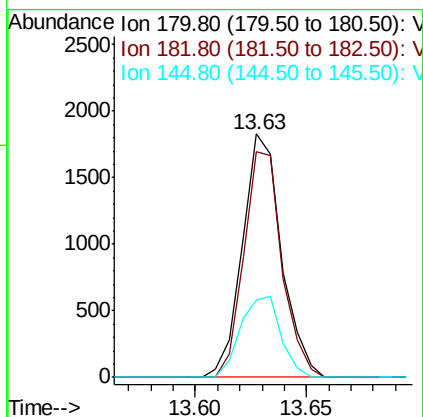
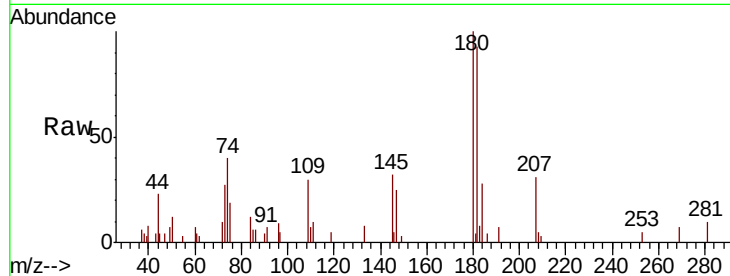




#93
 1,2,4-Trichlorobenzene
 Concen: 0.956 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX015924.D
 Acq: 24 Apr 2020 11:05

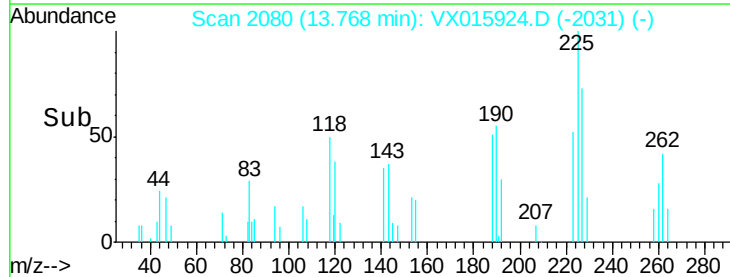
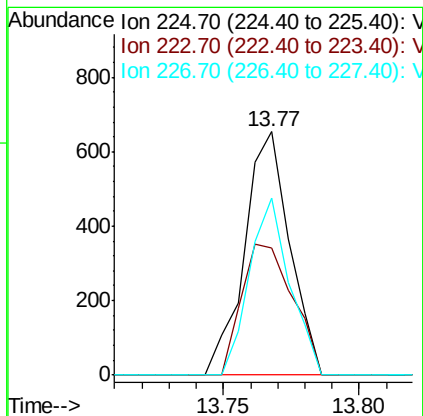
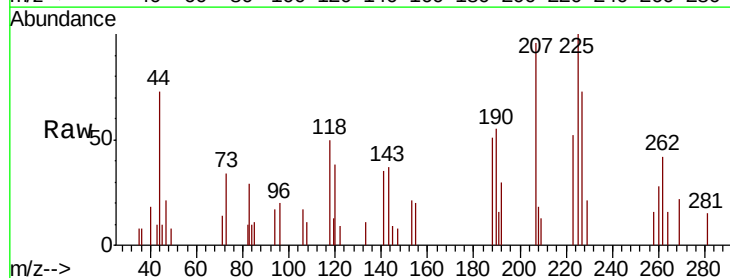
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

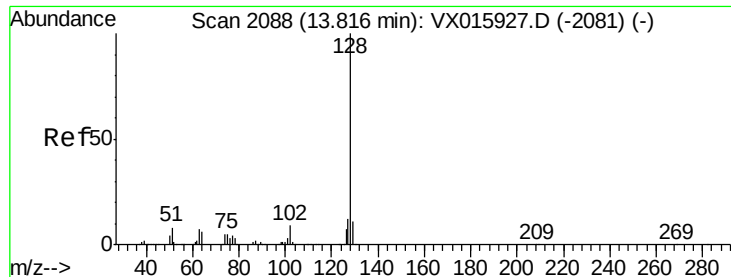
Tot Ion:180 Resp: 2241
 Ion Ratio Lower Upper
 180 100
 182 89.9 47.6 142.9
 145 34.1 17.3 52.0



#94
 Hexachlorobutadiene
 Concen: 0.900 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX015924.D
 Acq: 24 Apr 2020 11:05

Tgt Ion:225 Resp: 752
 Ion Ratio Lower Upper
 225 100
 223 61.0 30.6 91.6
 227 64.9 32.0 96.2

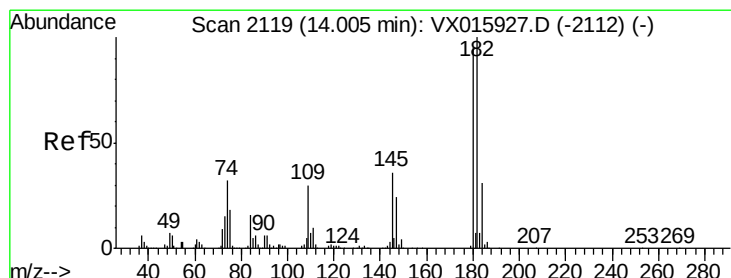
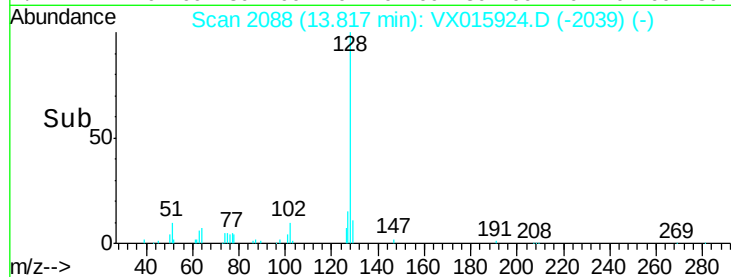
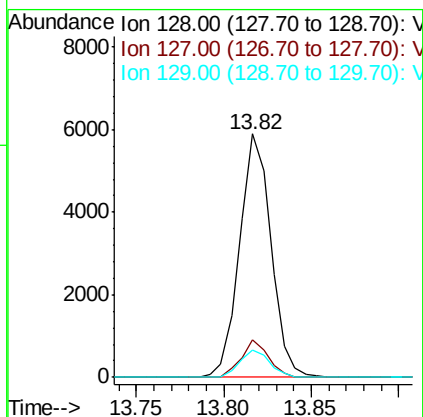
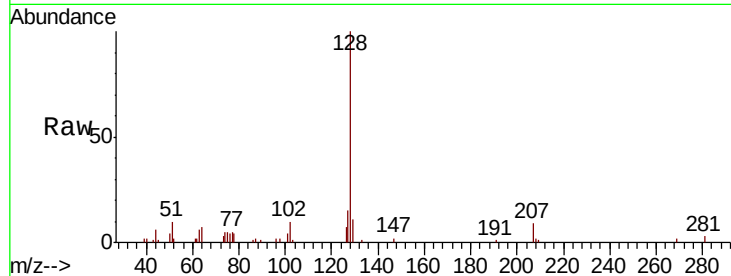




#95
Naphthalene
Concen: 0.875 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX015924.D
Acq: 24 Apr 2020 11:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion:128 Resp: 7391
Ion Ratio Lower Upper
128 100
127 13.0 10.1 15.1
129 10.6 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 0.884 ug/l
RT: 14.01 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VX015924.D
Acq: 24 Apr 2020 11:05

Tgt Ion:180 Resp: 1955
Ion Ratio Lower Upper
180 100
182 91.1 50.1 150.3
145 37.4 18.9 56.9

