

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082819\
 Data File : VX011881.D
 Acq On : 28 Aug 2019 21:06
 Operator : SY/SP
 Sample : VX0828SBS01
 Misc : 5.00µg/5.0mL/MSVOA X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 29 11:32:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 28 15:10:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	306480	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	445496	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	412055	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	228899	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	155976	57.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.70%	
35) Dibromofluoromethane	5.49	113	139865	51.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.32%	
50) Toluene-d8	8.71	98	548176	54.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.78%	
62) 4-Bromofluorobenzene	11.13	95	213955	53.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	38285	20.148	ug/l	99
3) Chloromethane	1.32	50	46639	19.357	ug/l	98
4) Vinyl Chloride	1.40	62	42633	19.394	ug/l	98
5) Bromomethane	1.63	94	28126	21.820	ug/l	98
6) Chloroethane	1.71	64	25443	18.076	ug/l	99
7) Trichlorofluoromethane	1.92	101	69878	19.338	ug/l	98
8) Diethyl Ether	2.18	74	24128	21.898	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	45312	19.512	ug/l	99
10) Methyl Iodide	2.50	142	27253	11.412	ug/l	97
11) Tert butyl alcohol	3.04	59	21983	128.812	ug/l #	94
12) 1,1-Dichloroethene	2.36	96	48130	20.947	ug/l	98
13) Acrolein	2.28	56	13970	136.248	ug/l	96
14) Allyl chloride	2.71	41	72903	18.789	ug/l	99
15) Acrylonitrile	3.14	53	62523	106.771	ug/l	98
16) Acetone	2.43	43	123204	149.663	ug/l	99
17) Carbon Disulfide	2.56	76	124269	17.916	ug/l	100
18) Methyl Acetate	2.76	43	47695	30.120	ug/l	97
19) Methyl tert-butyl Ether	3.18	73	136611	21.875	ug/l	97
20) Methylene Chloride	2.85	84	64268	23.827	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	52088	20.048	ug/l	97
22) Diisopropyl ether	3.85	45	165998	21.545	ug/l	99
23) Vinyl Acetate	3.81	43	311269	91.794	ug/l	99
24) 1,1-Dichloroethane	3.68	63	92251	20.305	ug/l	99
25) 2-Butanone	4.66	43	80735	101.329	ug/l	96
26) 2,2-Dichloropropane	4.57	77	57746	15.587	ug/l	95
27) cis-1,2-Dichloroethene	4.59	96	62394	21.050	ug/l	98
28) Bromochloromethane	5.01	49	47875	23.470	ug/l	100
29) Tetrahydrofuran	5.12	42	52018	110.322	ug/l	100
30) Chloroform	5.20	83	101264	21.301	ug/l	98
31) Cyclohexane	5.57	56	76897	19.439	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	82189	19.225	ug/l	98
36) 1,1-Dichloropropene	5.79	75	68905	18.803	ug/l	99
37) Ethyl Acetate	4.82	43	30227	19.617	ug/l	99
38) Carbon Tetrachloride	5.77	117	60503	16.945	ug/l	98

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Instrument :
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 ClientSampleId :

Quant Time: Aug 29 11:32:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 28 15:10:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	83684	18.686	ug/l	95
40) Benzene	6.13	78	211294	19.990	ug/l	99
41) Methacrylonitrile	5.03	41	21167	20.251	ug/l	100
42) 1,2-Dichloroethane	6.18	62	69782	20.792	ug/l	100
43) Isopropyl Acetate	6.43	43	60186	19.881	ug/l	99
44) Trichloroethene	7.21	130	73661	20.731	ug/l	96
45) 1,2-Dichloropropane	7.51	63	53081	20.181	ug/l	99
46) Dibromomethane	7.66	93	32272	20.710	ug/l	99
47) Bromodichloromethane	7.89	83	71322	19.466	ug/l	97
48) Methyl methacrylate	7.76	41	30112	19.890	ug/l	97
49) 1,4-Dioxane	7.74	88	7613	466.685	ug/l	100
51) 4-Methyl-2-Pentanone	8.63	43	143082	117.333	ug/l	100
52) Toluene	8.78	92	135255	19.856	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	51412	16.470	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	69888	17.733	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	42782	21.068	ug/l	96
56) Ethyl methacrylate	9.17	69	39670	20.036	ug/l	99
57) 1,3-Dichloropropane	9.37	76	68475	20.289	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	56247	105.586	ug/l	99
59) 2-Hexanone	9.49	43	91261	117.108	ug/l	98
60) Dibromochloromethane	9.58	129	52507	19.432	ug/l	99
61) 1,2-Dibromoethane	9.66	107	38344	19.286	ug/l	97
64) Tetrachloroethene	9.33	164	86612	21.600	ug/l	97
65) Chlorobenzene	10.13	112	148332	19.438	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	52115	18.615	ug/l	98
67) Ethyl Benzene	10.25	91	250110	19.081	ug/l	99
68) m/p-Xylenes	10.35	106	192001	38.480	ug/l	100
69) o-Xylene	10.69	106	92008	19.596	ug/l	100
70) Styrene	10.71	104	151741	19.541	ug/l	99
71) Bromoform	10.85	173	33728	18.593	ug/l #	98
73) Isopropylbenzene	11.01	105	240075	18.163	ug/l	99
74) N-amyl acetate	6.43	43	60186	18.082	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	40512	18.317	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	36306	20.650	ug/l	89
77) Bromobenzene	11.25	156	68848	18.684	ug/l	99
78) n-propylbenzene	11.35	91	263554	18.126	ug/l	100
79) 2-Chlorotoluene	11.41	91	164901	18.097	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	203355	18.337	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	7023	14.704	ug/l	92
82) 4-Chlorotoluene	11.51	91	193556	18.323	ug/l	99
83) tert-Butylbenzene	11.77	119	188732	18.313	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	197391	18.764	ug/l	100
85) sec-Butylbenzene	11.94	105	225908	18.869	ug/l	100
86) p-Isopropyltoluene	12.06	119	210029	19.046	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	122311	18.485	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	120048	18.733	ug/l	99
89) n-Butylbenzene	12.38	91	175102	19.140	ug/l	99
90) Hexachloroethane	12.59	117	26494	14.971	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	109232	19.337	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	5809	18.655	ug/l	93

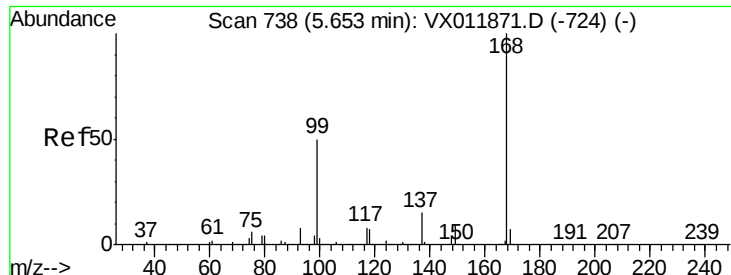
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082819\
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ClientSampleId :

Quant Time: Aug 29 11:32:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082819S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 28 15:10:21 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	79664	20.321	ug/l	100
94) Hexachlorobutadiene	13.78	225	53129	18.587	ug/l	99
95) Naphthalene	13.83	128	106965	22.693	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	69586	21.876	ug/l	98

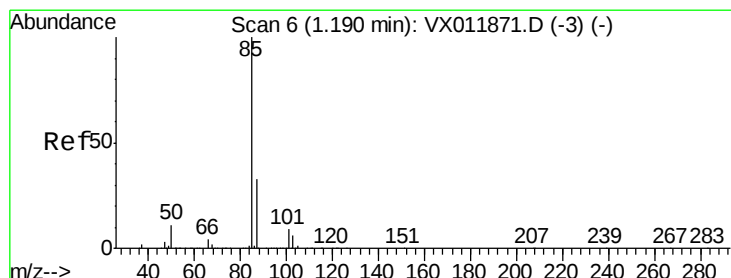
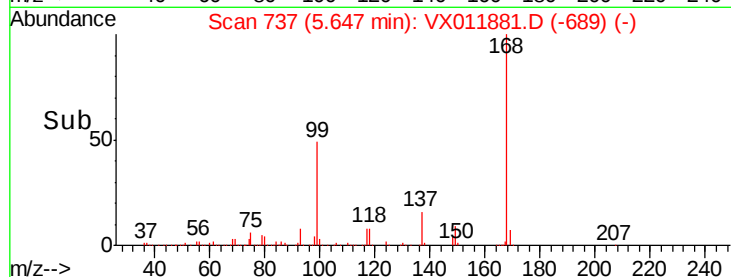
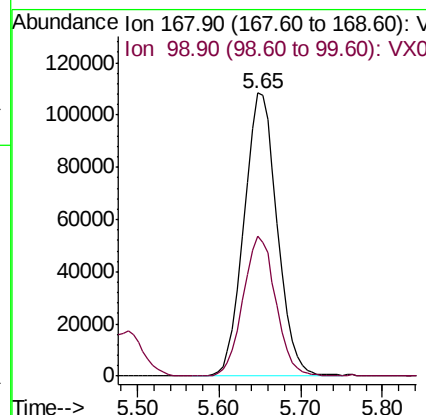
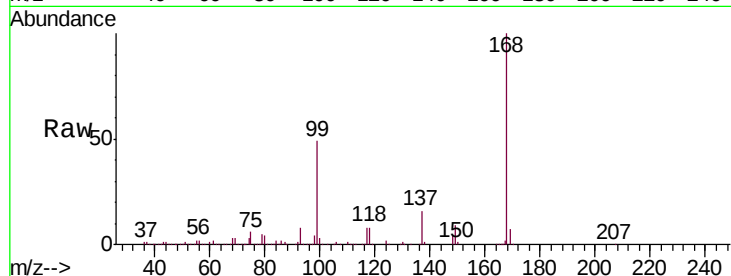
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 737
Delta R.T. -0.01 min
Lab File: VX011881.D
Acq: 28 Aug 2019 21:06

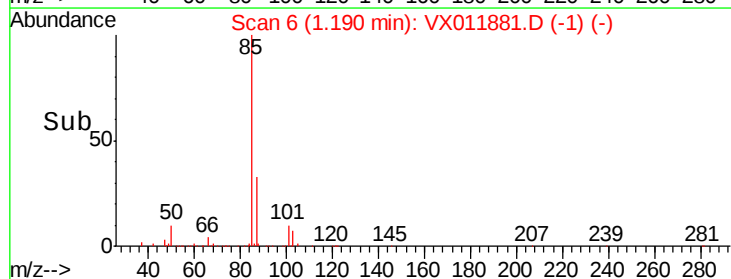
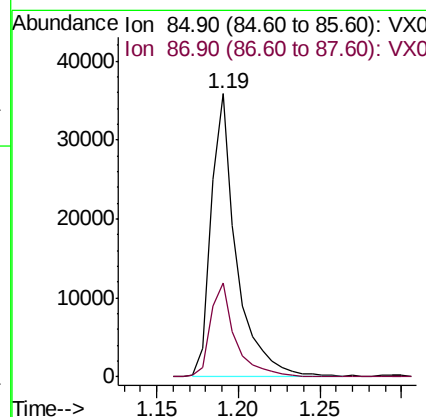
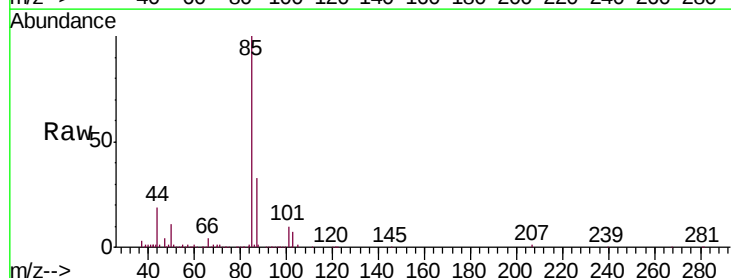
Instrument :
MSVOA_X
ClientSampleId :

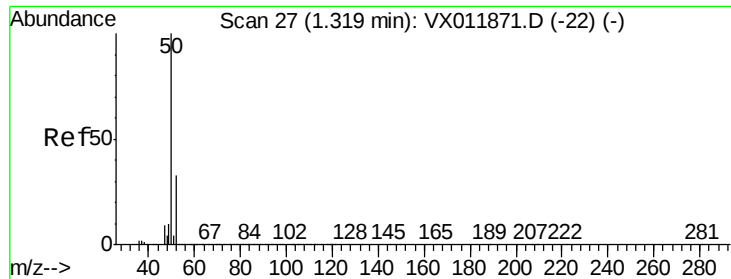
Tot Ion:168 Resp: 306480
Ion Ratio Lower Upper
168 100
99 49.4 39.6 59.4



#2
Dichlorodifluoromethane
Concen: 20.148 ug/l
RT: 1.19 min Scan# 6
Delta R.T. -0.00 min
Lab File: VX011881.D
Acq: 28 Aug 2019 21:06

Tgt Ion: 85 Resp: 38285
Ion Ratio Lower Upper
85 100
87 33.3 16.4 49.1





#3

Chloromethane

Concen: 19.357 ug/l

RT: 1.32 min Scan# 27

Delta R.T. -0.00 min

Lab File: VX011881.D

Acq: 28 Aug 2019 21:06

Instrument :

MSVOA_X

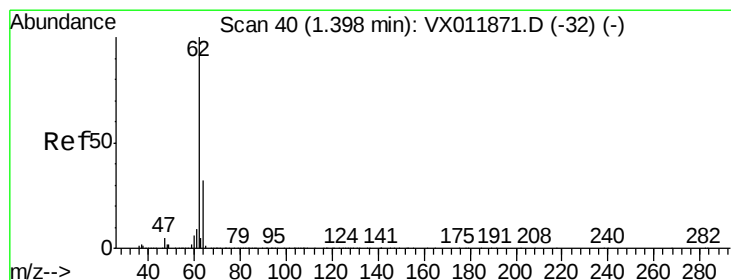
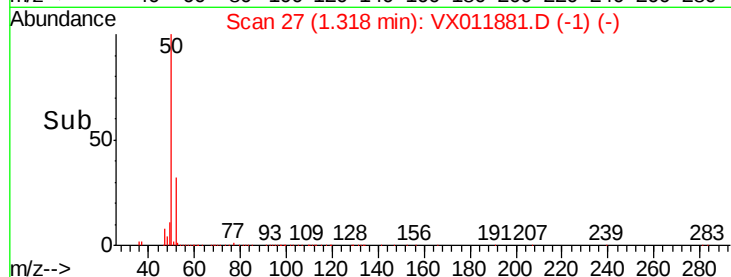
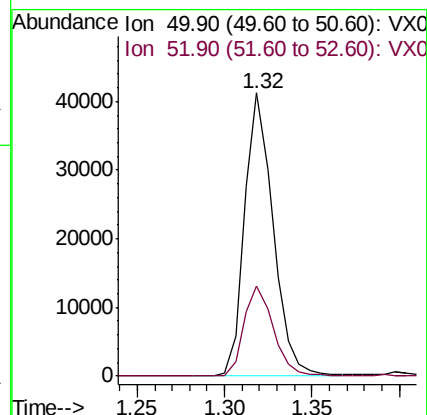
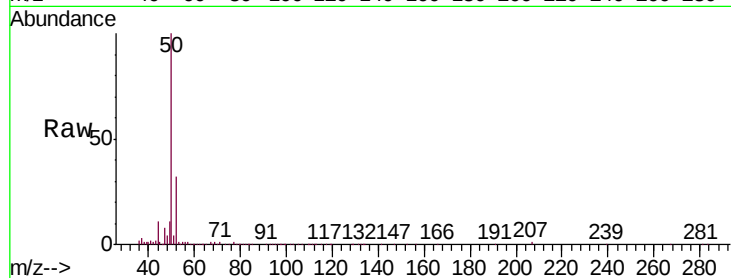
ClientSampleId :

Tot Ion: 50 Resp: 46639

Ion Ratio Lower Upper

50 100

52 31.7 26.5 39.7



#4

Vinyl Chloride

Concen: 19.394 ug/l

RT: 1.40 min Scan# 40

Delta R.T. -0.00 min

Lab File: VX011881.D

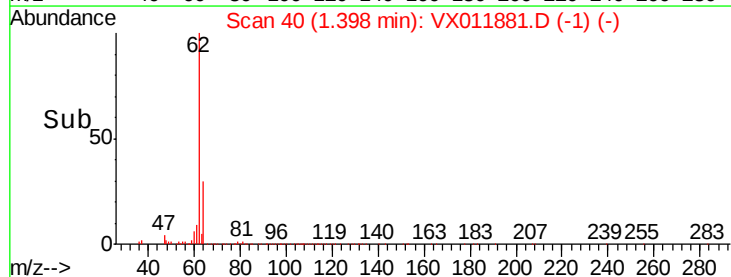
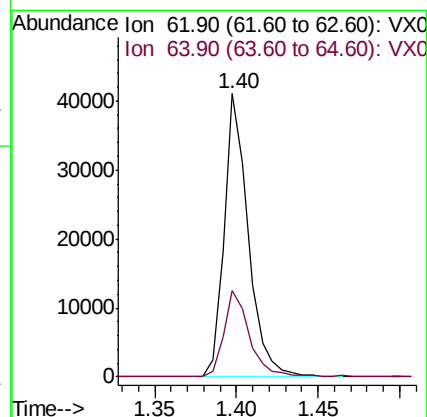
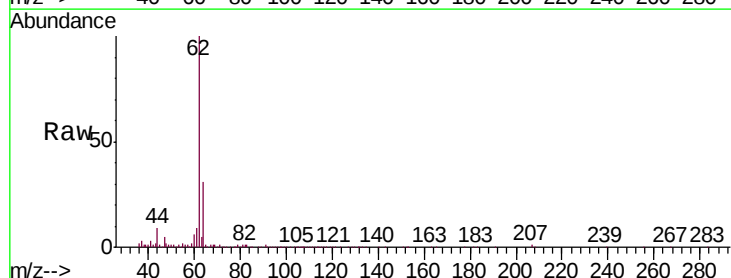
Acq: 28 Aug 2019 21:06

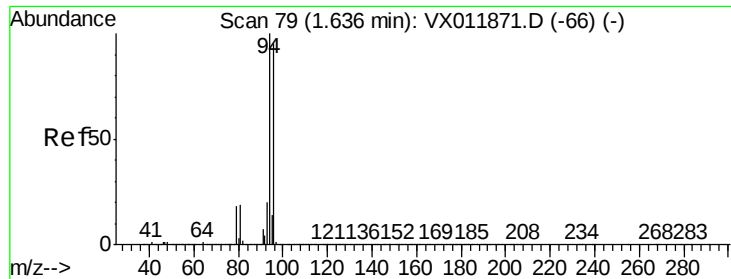
Tgt Ion: 62 Resp: 42633

Ion Ratio Lower Upper

62 100

64 30.2 25.3 37.9





#5

Bromomethane

Concen: 21.820 ug/l

RT: 1.63 min Scan# 78

Delta R.T. -0.01 min

Lab File: VX011881.D

Acq: 28 Aug 2019 21:06

Instrument :

MSVOA_X

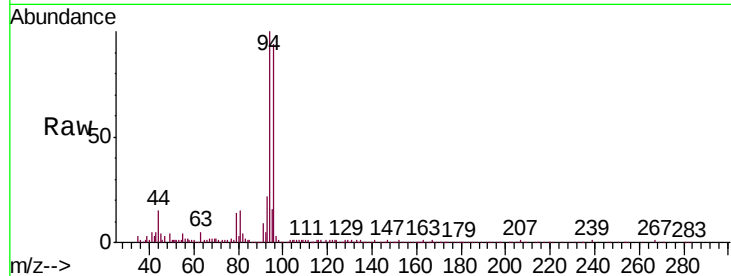
ClientSampleId :

Tot Ion: 94 Resp: 28126

Ion Ratio Lower Upper

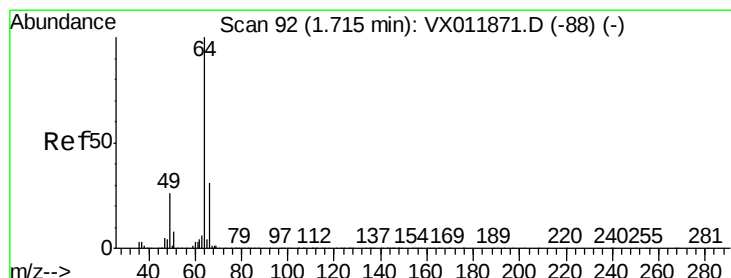
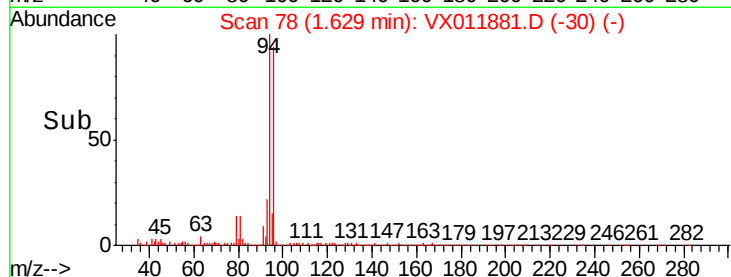
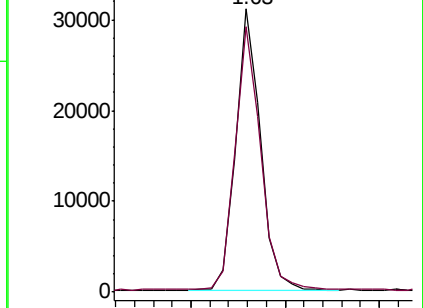
94 100

96 93.2 76.0 114.0



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 18.076 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX011881.D

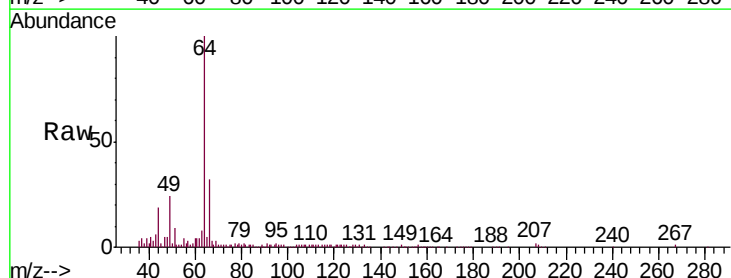
Acq: 28 Aug 2019 21:06

Tgt Ion: 64 Resp: 25443

Ion Ratio Lower Upper

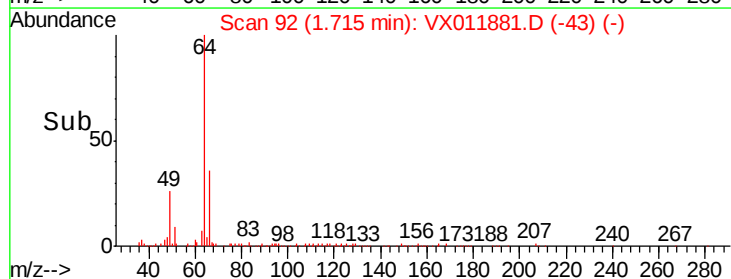
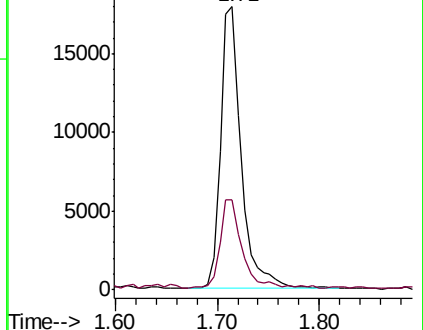
64 100

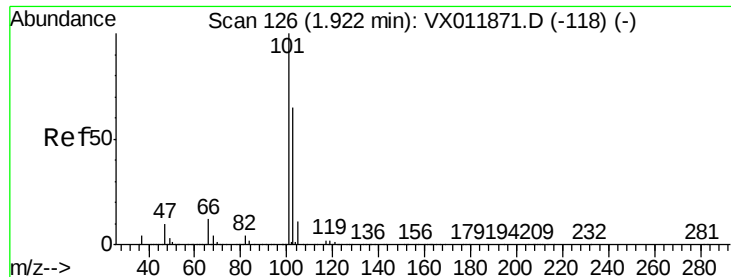
66 31.6 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



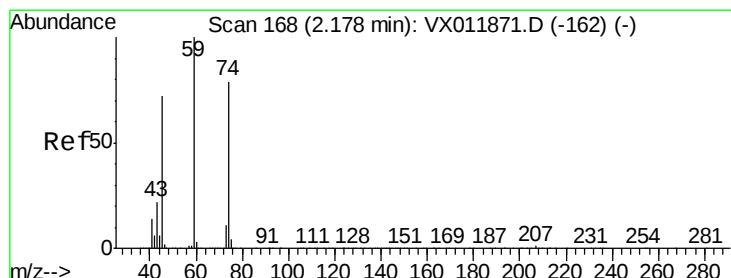
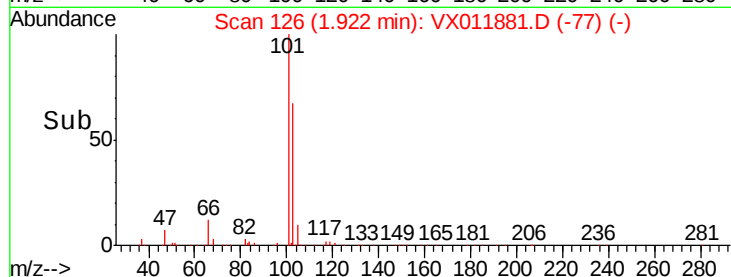
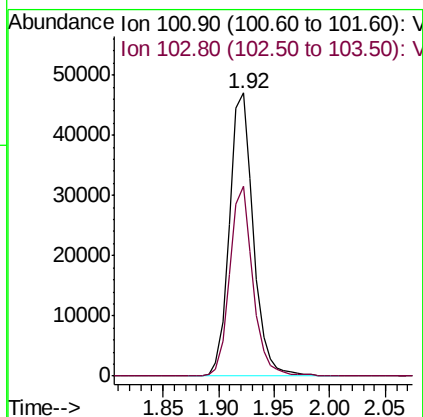
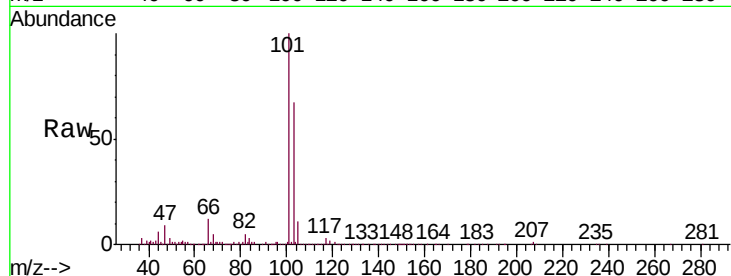


#7

Trichlorofluoromethane
Concen: 19.338 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.00 min
Lab File: VX011881.D
Acq: 28 Aug 2019 21:06

Instrument :
MSVOA_X
ClientSampled :

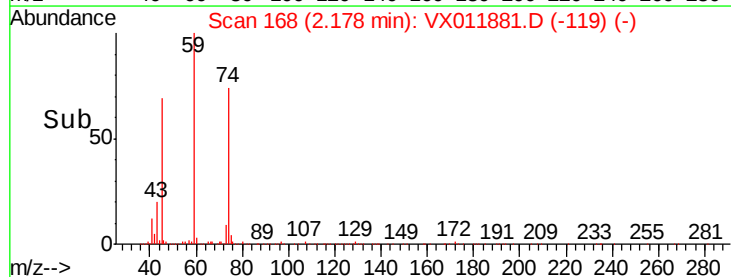
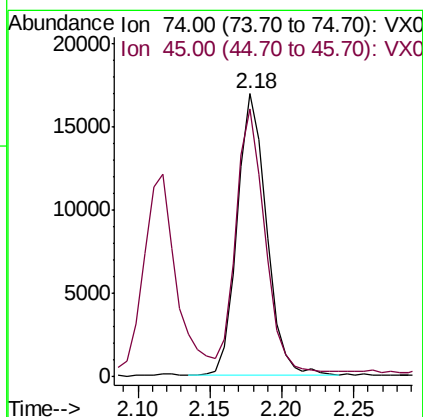
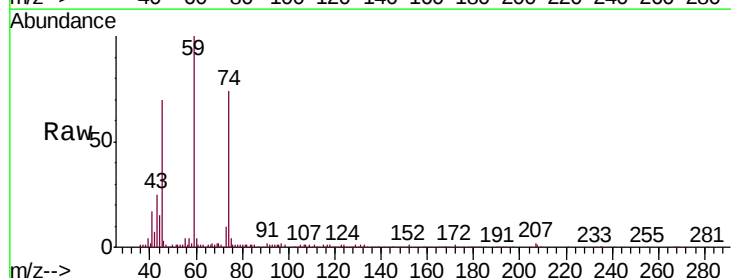
Tot Ion:101 Resp: 69878
Ion Ratio Lower Upper
101 100
103 66.7 51.8 77.8

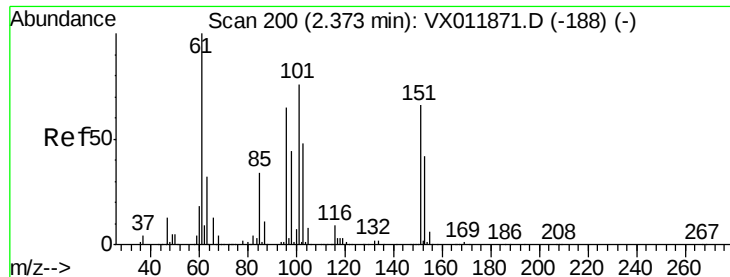


#8

Diethyl Ether
Concen: 21.898 ug/l
RT: 2.18 min Scan# 168
Delta R.T. -0.00 min
Lab File: VX011881.D
Acq: 28 Aug 2019 21:06

Tgt Ion: 74 Resp: 24128
Ion Ratio Lower Upper
74 100
45 91.2 47.1 141.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.512 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.00 min

Lab File: VX011881.D

Acq: 28 Aug 2019 21:06

Instrument :

MSVOA_X

ClientSampleId :

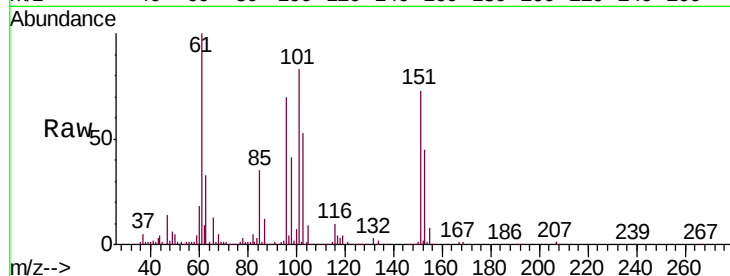
Tot Ion:101 Resp: 45312

Ion Ratio Lower Upper

101 100

85 43.8 34.5 51.7

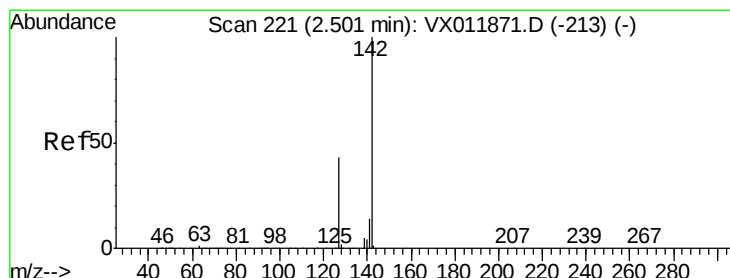
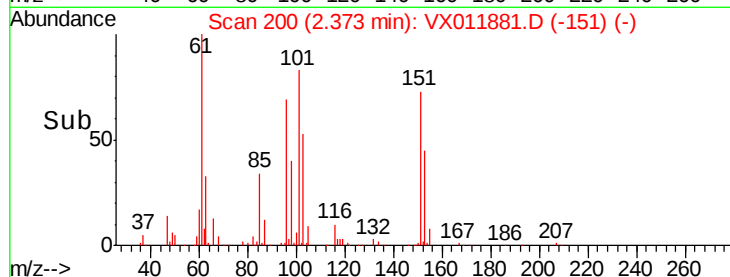
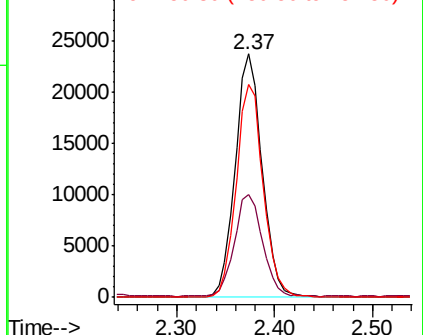
151 87.7 69.4 104.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 11.412 ug/l

RT: 2.50 min Scan# 221

Delta R.T. -0.00 min

Lab File: VX011881.D

Acq: 28 Aug 2019 21:06

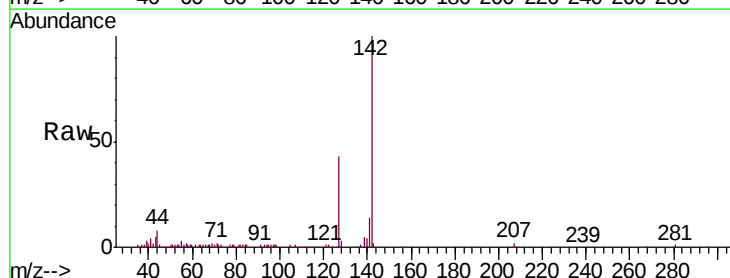
Tgt Ion:142 Resp: 27253

Ion Ratio Lower Upper

142 100

127 45.5 34.5 51.7

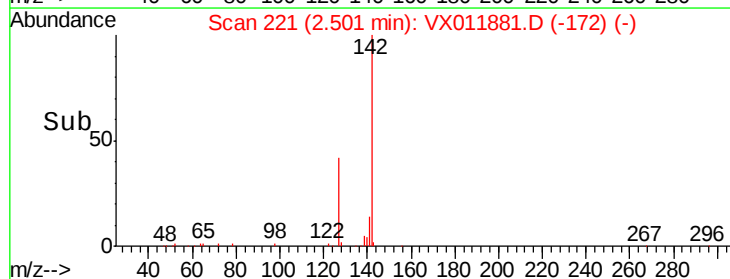
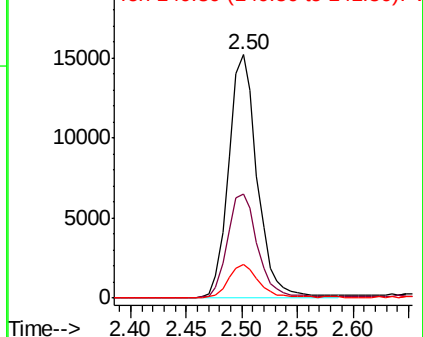
141 14.7 11.6 17.4

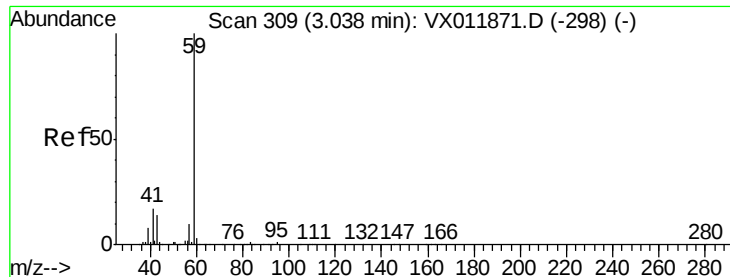


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



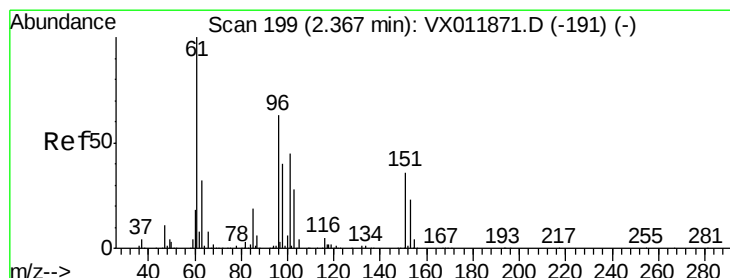
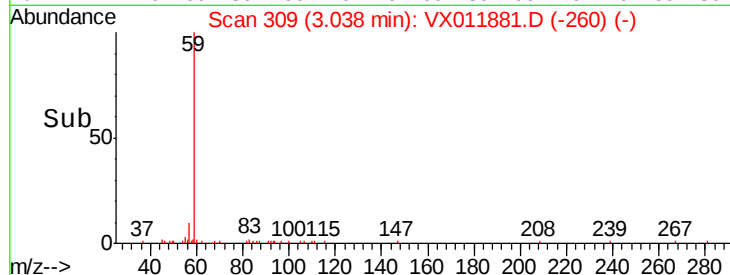
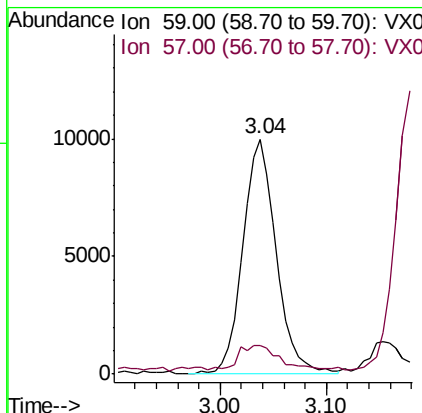
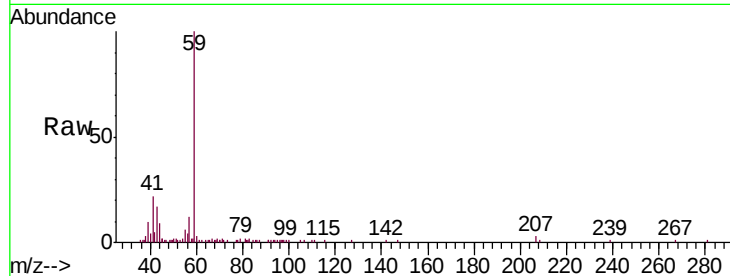


#11

Tert butyl alcohol
 Concen: 128.812 ug/l
 RT: 3.04 min Scan# 309
 Delta R.T. 0.00 min
 Lab File: VX011881.D
 Acq: 28 Aug 2019 21:06

Instrument :
 MSVOA_X
 ClientSampled :

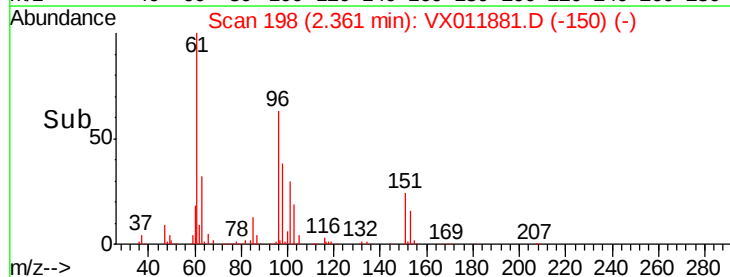
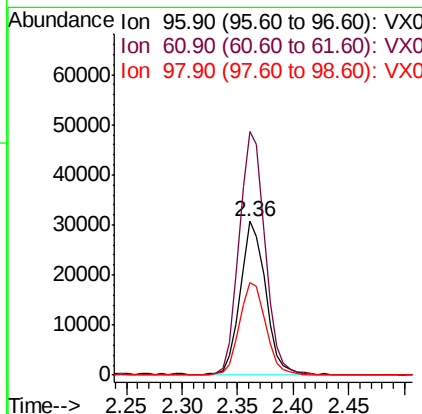
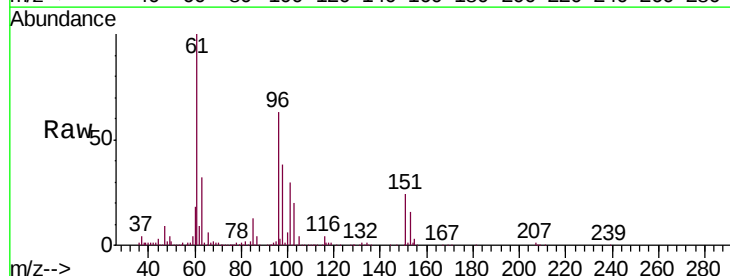
Tot Ion: 59 Resp: 21983
 Ion Ratio Lower Upper
 59 100
 57 12.5 8.3 12.5#

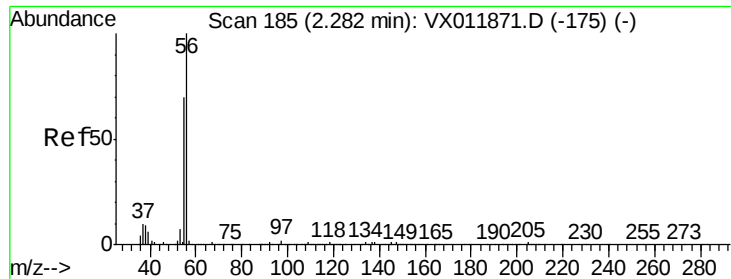


#12

1,1-Dichloroethene
 Concen: 20.947 ug/l
 RT: 2.36 min Scan# 198
 Delta R.T. -0.01 min
 Lab File: VX011881.D
 Acq: 28 Aug 2019 21:06

Tgt Ion: 96 Resp: 48130
 Ion Ratio Lower Upper
 96 100
 61 158.5 128.0 192.0
 98 60.1 51.4 77.2





#13

Acrolein

Concen: 136.248 ug/l

RT: 2.28 min Scan# 185

Delta R.T. -0.00 min

Lab File: VX011881.D

Acq: 28 Aug 2019 21:06

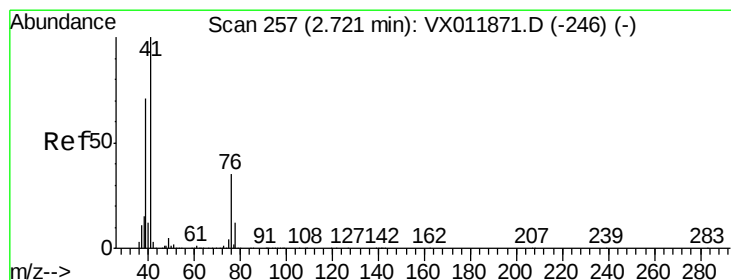
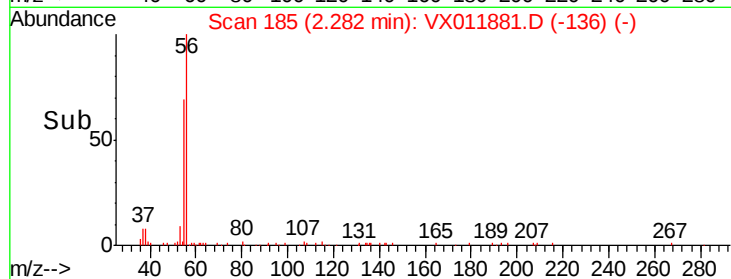
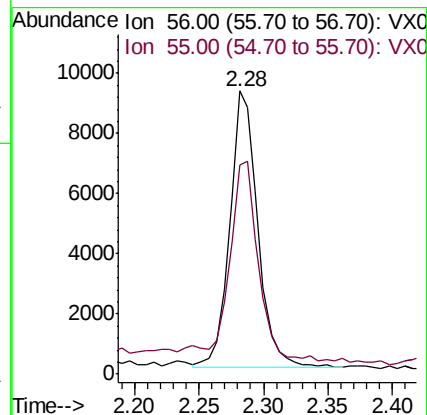
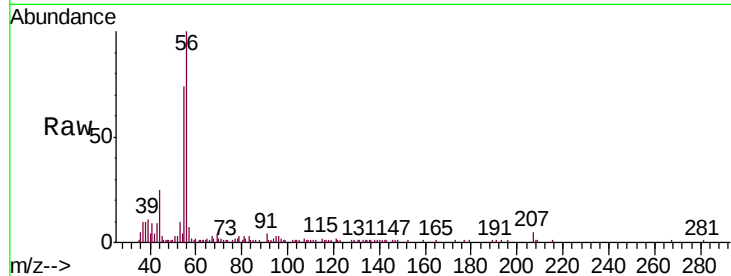
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 13970

Ion Ratio Lower Upper

56 100

55 71.6 60.2 90.4



#14

Allyl chloride

Concen: 18.789 ug/l

RT: 2.71 min Scan# 256

Delta R.T. -0.01 min

Lab File: VX011881.D

Acq: 28 Aug 2019 21:06

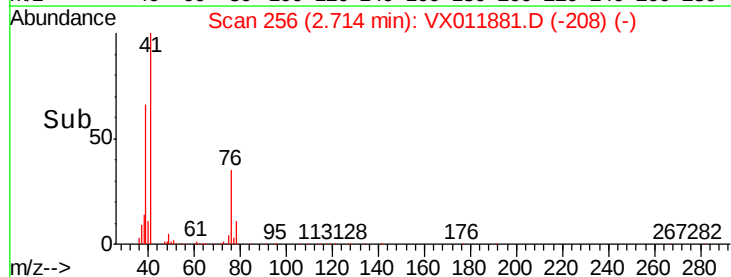
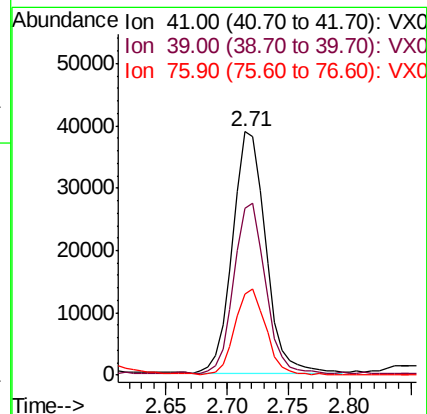
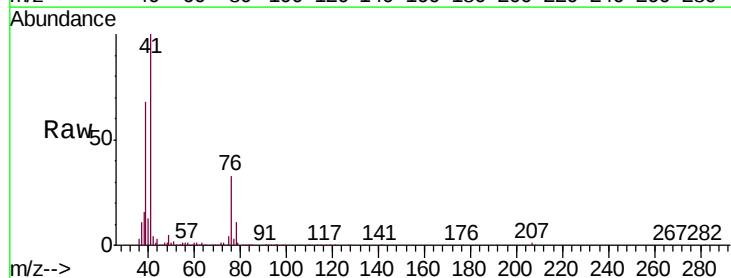
Tgt Ion: 41 Resp: 72903

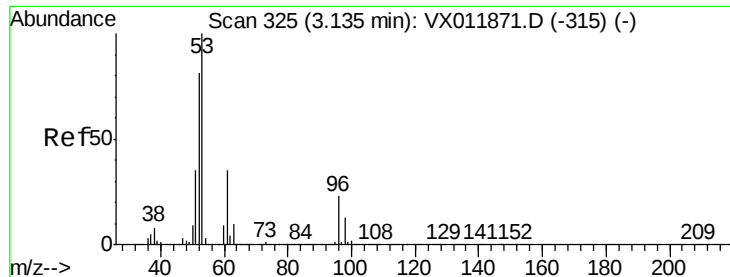
Ion Ratio Lower Upper

41 100

39 66.8 54.6 82.0

76 33.5 27.1 40.7





#15

Acrylonitrile

Concen: 106.771 ug/l

RT: 3.14 min Scan# 325

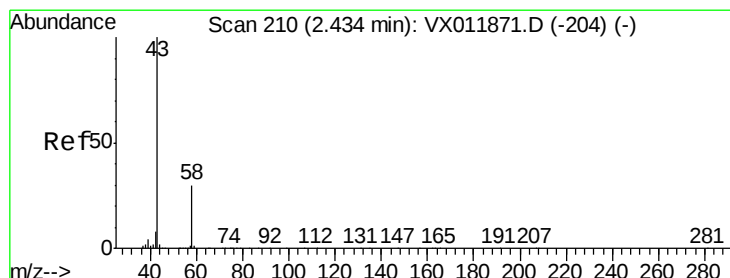
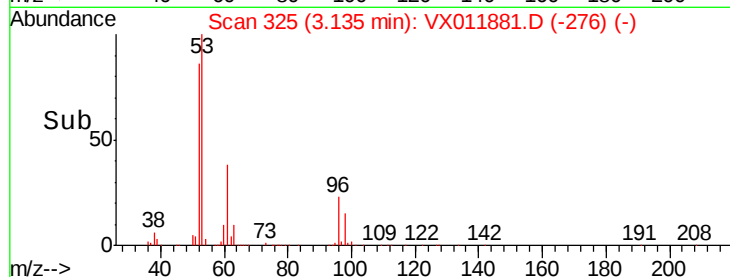
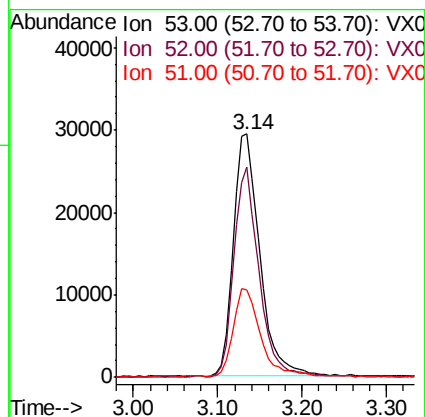
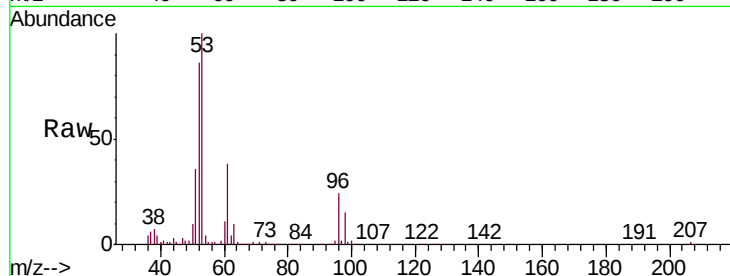
Delta R.T. -0.00 min

Lab File: VX011881.D

Acq: 28 Aug 2019 21:06

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	53	Resp:	62523
Ion	Ratio	Lower	Upper
53	100		
52	83.8	65.3	97.9
51	37.3	29.1	43.7



#16

Acetone

Concen: 149.663 ug/l

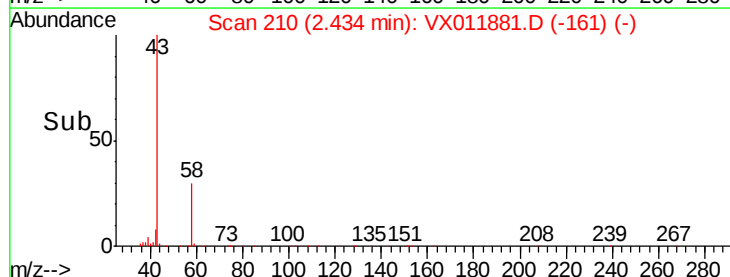
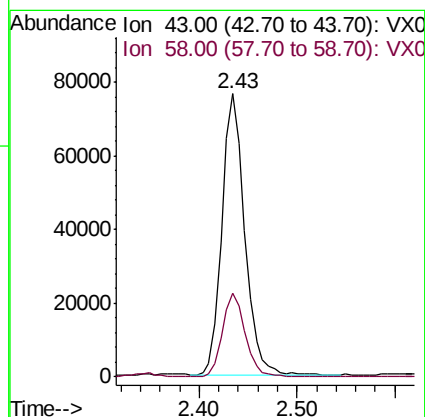
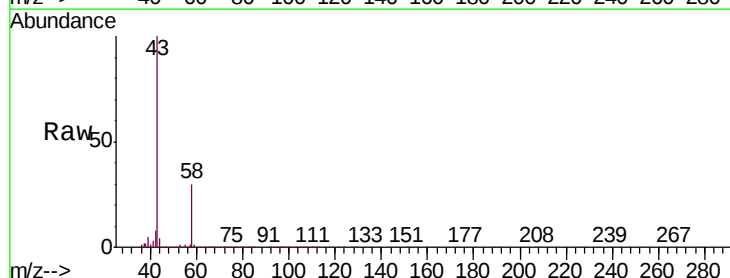
RT: 2.43 min Scan# 210

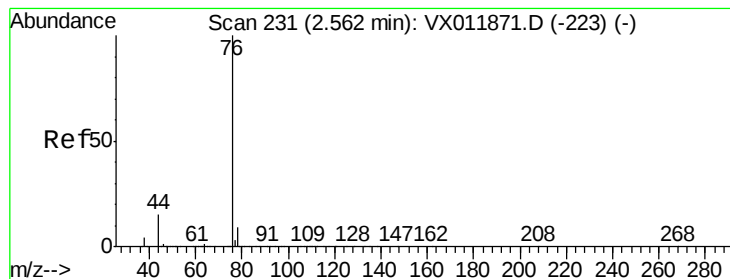
Delta R.T. 0.00 min

Lab File: VX011881.D

Acq: 28 Aug 2019 21:06

Tgt Ion:	43	Resp:	123204
Ion	Ratio	Lower	Upper
43	100		
58	29.7	24.0	36.0





#17

Carbon Disulfide

Concen: 17.916 ug/l

RT: 2.56 min Scan# 231

Delta R.T. -0.00 min

Lab File: VX011881.D

Acq: 28 Aug 2019 21:06

Instrument :

MSVOA_X

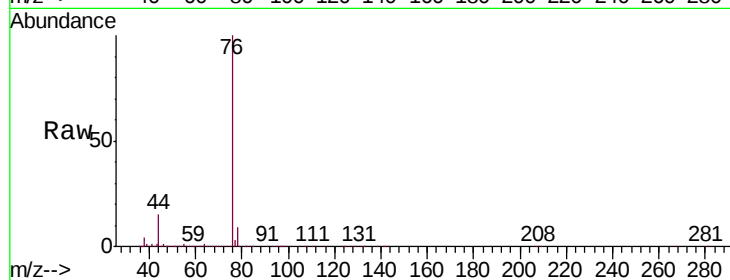
ClientSampleId :

Tot Ion: 76 Resp: 124269

Ion Ratio Lower Upper

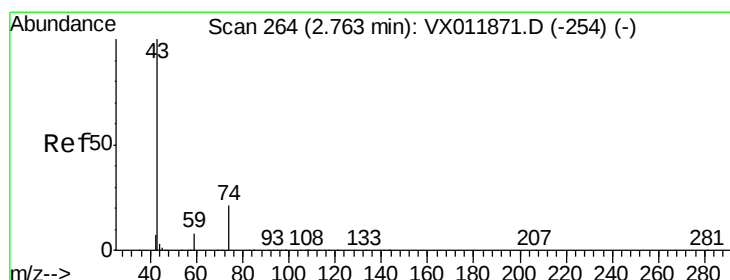
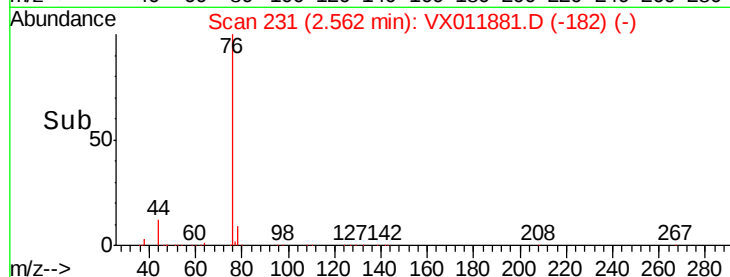
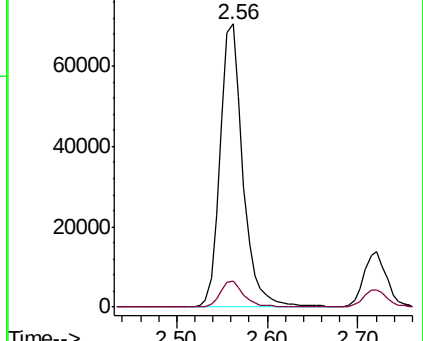
76 100

78 9.2 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 30.120 ug/l

RT: 2.76 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX011881.D

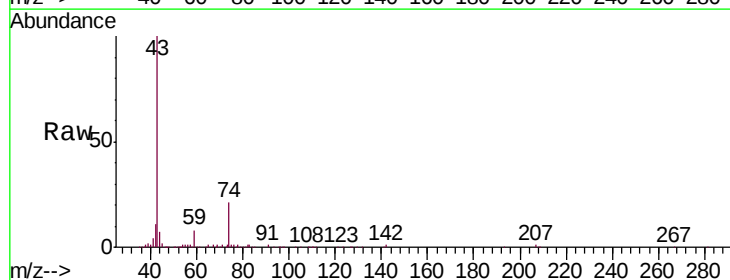
Acq: 28 Aug 2019 21:06

Tgt Ion: 43 Resp: 47695

Ion Ratio Lower Upper

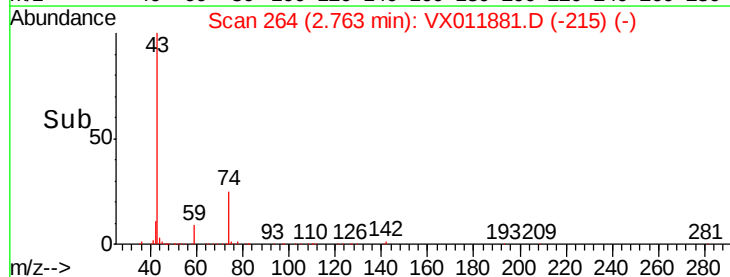
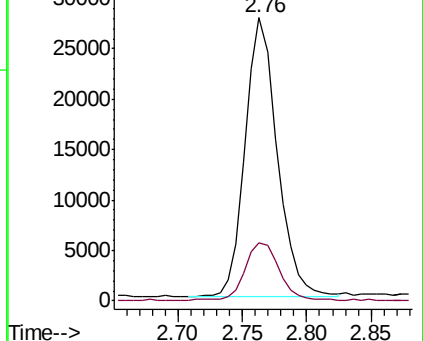
43 100

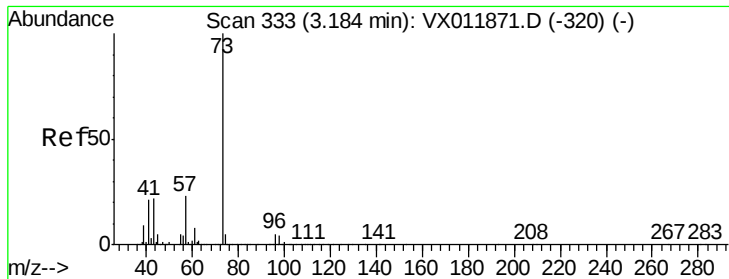
74 22.1 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



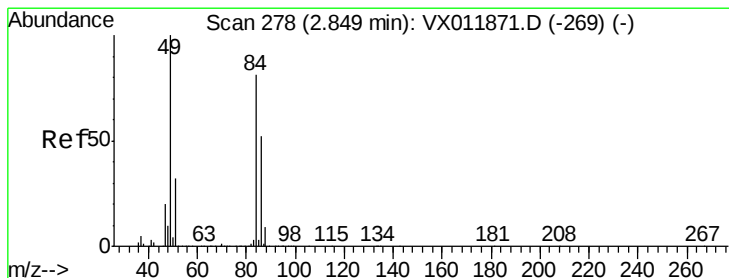
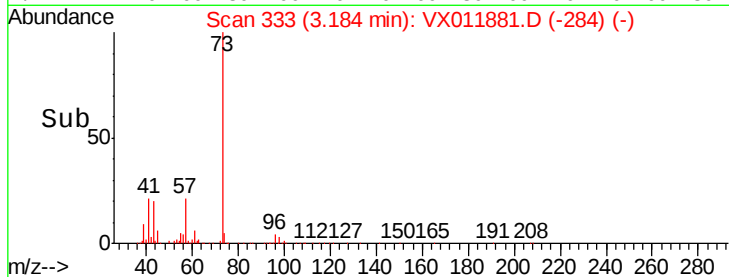
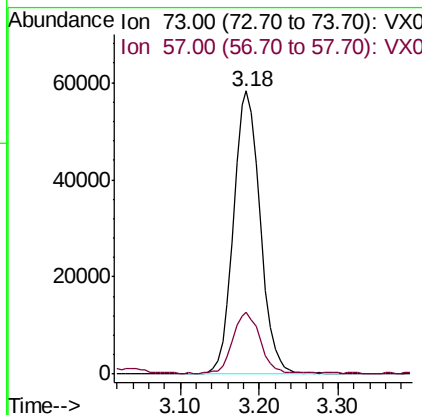
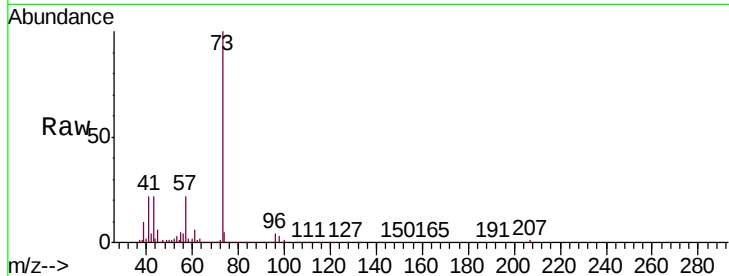


#19

Methyl tert-butyl Ether
 Concen: 21.875 ug/l
 RT: 3.18 min Scan# 333
 Delta R.T. -0.00 min
 Lab File: VX011881.D
 Acq: 28 Aug 2019 21:06

Instrument :
 MSVOA_X
 ClientSampleId :

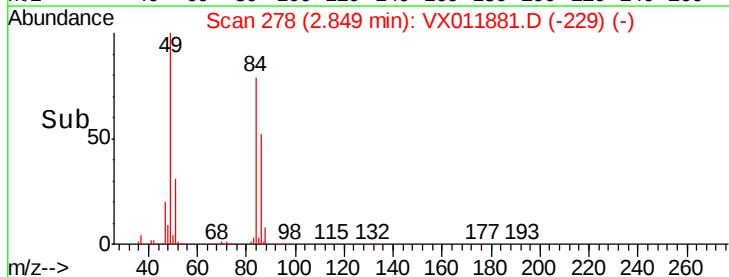
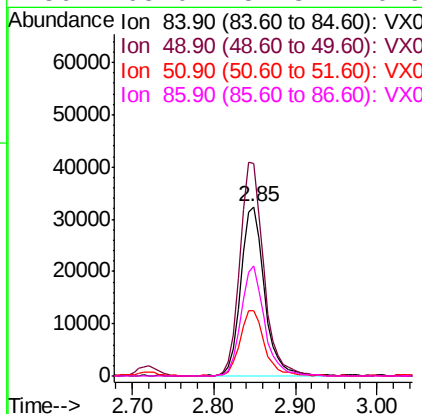
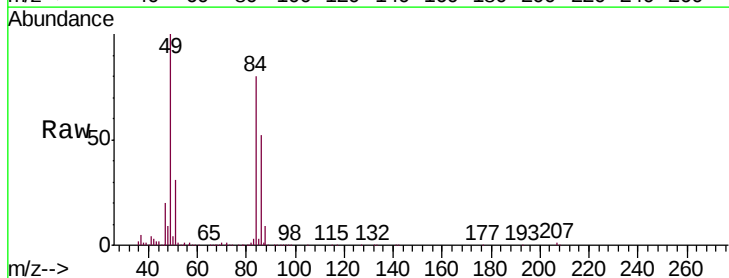
Tot Ion: 73 Resp: 136611
 Ion Ratio Lower Upper
 73 100
 57 21.2 18.1 27.1

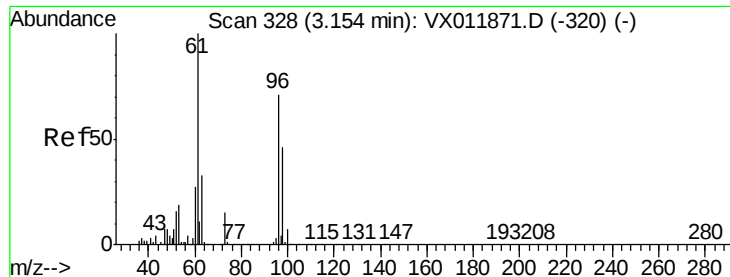


#20

Methylene Chloride
 Concen: 23.827 ug/l
 RT: 2.85 min Scan# 278
 Delta R.T. 0.00 min
 Lab File: VX011881.D
 Acq: 28 Aug 2019 21:06

Tgt Ion: 84 Resp: 64268
 Ion Ratio Lower Upper
 84 100
 49 125.8 98.9 148.3
 51 38.7 31.4 47.2
 86 65.0 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 20.048 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.00 min

Lab File: VX011881.D

Acq: 28 Aug 2019 21:06

Instrument :

MSVOA_X

ClientSampleId :

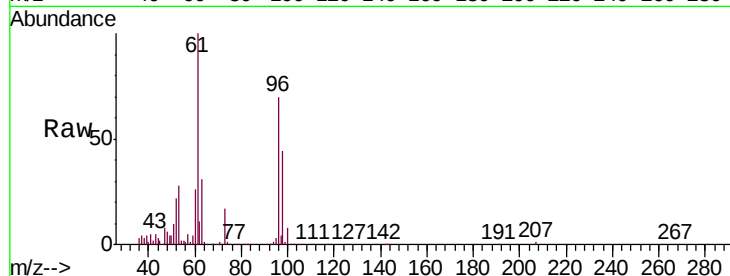
Tot Ion: 96 Resp: 52088

Ion Ratio Lower Upper

96 100

61 144.2 111.9 167.9

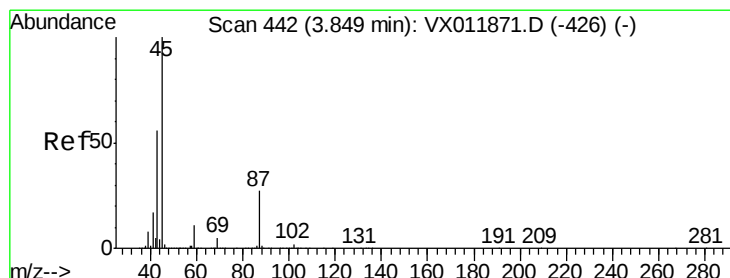
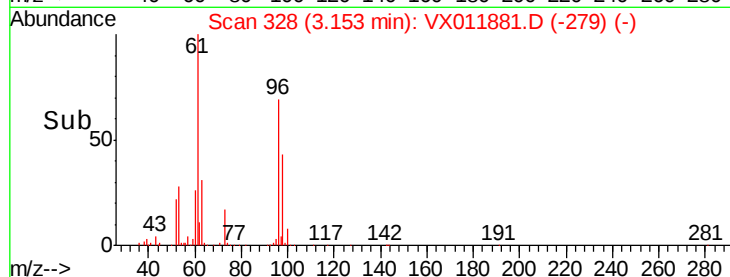
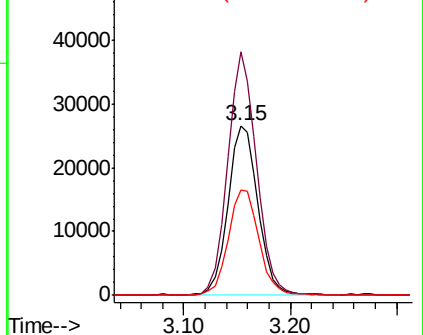
98 62.5 51.7 77.5



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 21.545 ug/l

RT: 3.85 min Scan# 442

Delta R.T. -0.00 min

Lab File: VX011881.D

Acq: 28 Aug 2019 21:06

Tgt Ion: 45 Resp: 165998

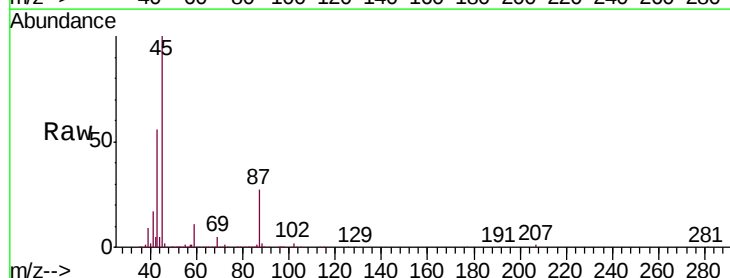
Ion Ratio Lower Upper

45 100

43 55.6 44.7 67.1

87 27.5 21.5 32.3

59 10.9 9.1 13.7

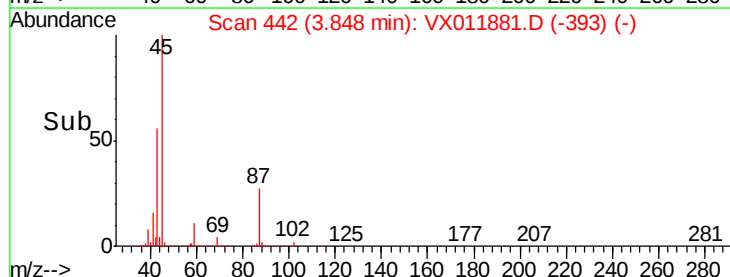
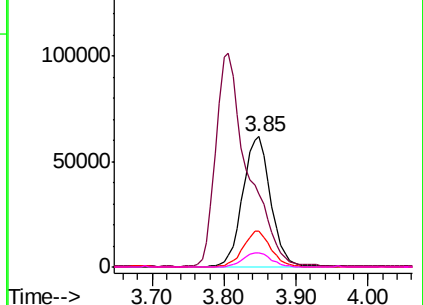


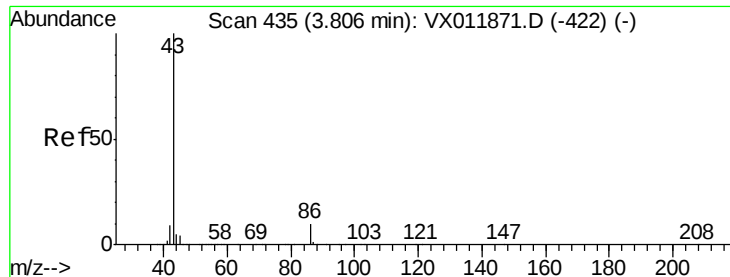
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 91.794 ug/l

RT: 3.81 min Scan# 435

Delta R.T. -0.00 min

Lab File: VX011881.D

Acq: 28 Aug 2019 21:06

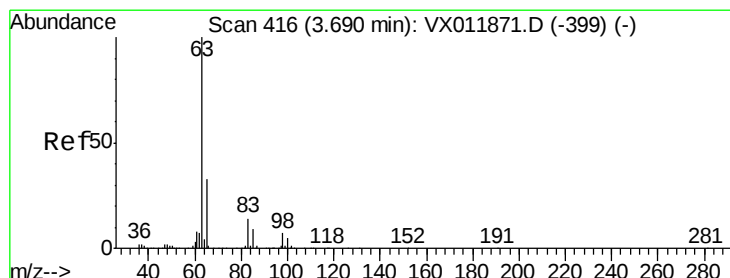
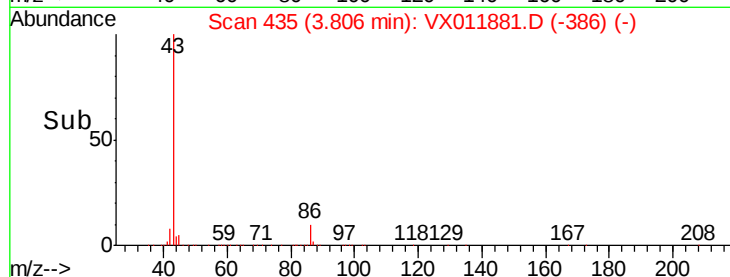
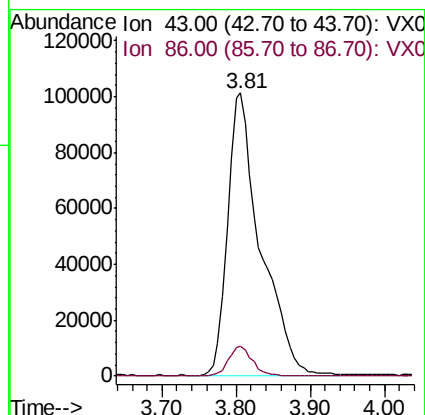
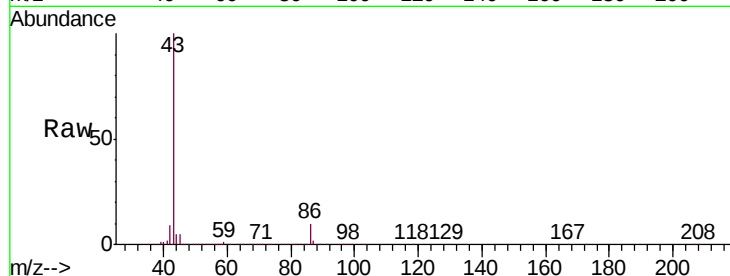
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 311269

Ion Ratio Lower Upper

43 100

86 10.5 8.1 12.1



#24

1,1-Dichloroethane

Concen: 20.305 ug/l

RT: 3.68 min Scan# 415

Delta R.T. -0.01 min

Lab File: VX011881.D

Acq: 28 Aug 2019 21:06

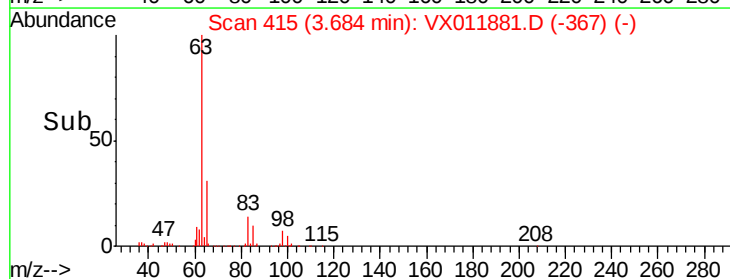
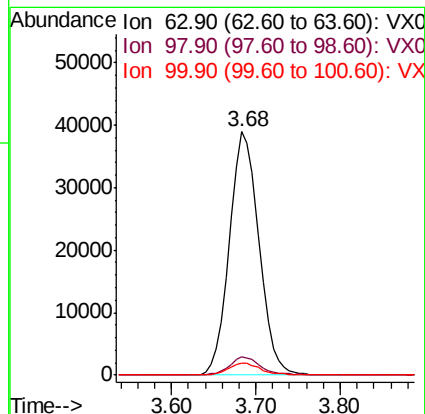
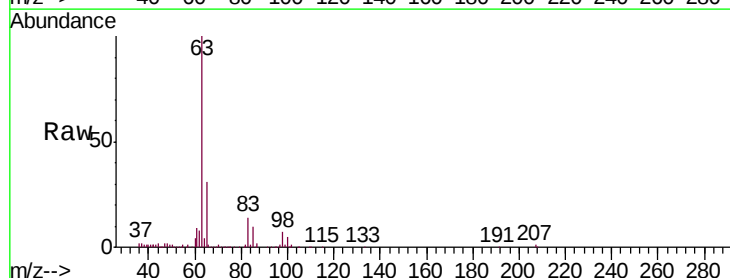
Tgt Ion: 63 Resp: 92251

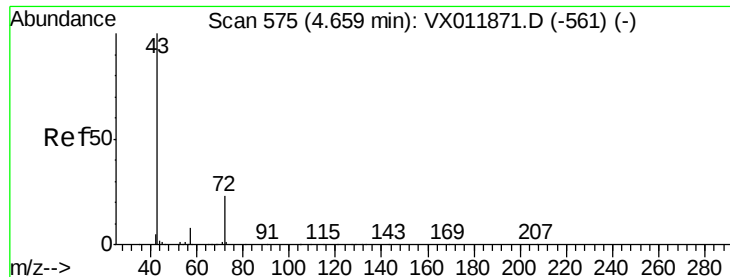
Ion Ratio Lower Upper

63 100

98 7.2 3.7 11.1

100 4.8 2.5 7.6





#25

2-Butanone

Concen: 101.329 ug/l

RT: 4.66 min Scan# 575

Delta R.T. -0.00 min

Lab File: VX011881.D

Acq: 28 Aug 2019 21:06

Instrument :

MSVOA_X

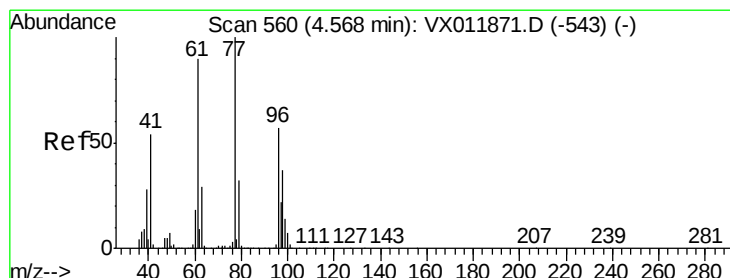
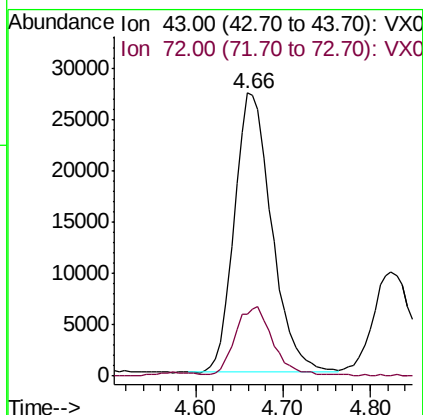
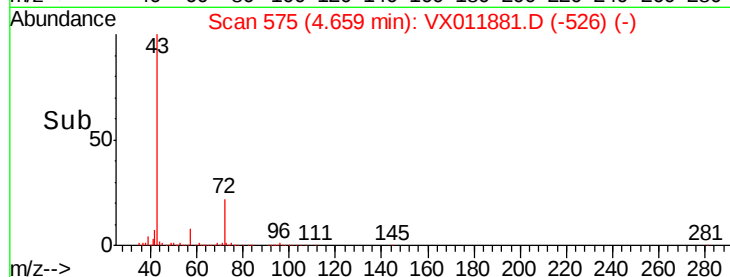
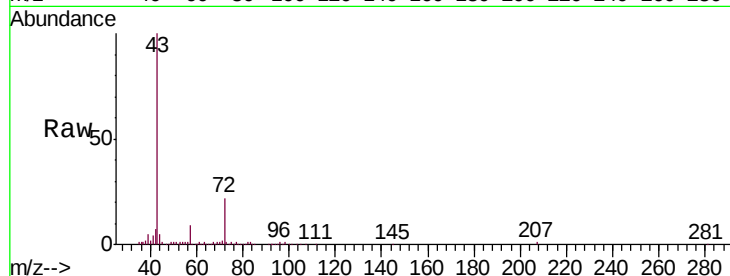
ClientSampled :

Tot Ion: 43 Resp: 80735

Ion Ratio Lower Upper

43 100

72 21.8 18.9 28.3



#26

2,2-Dichloropropane

Concen: 15.587 ug/l

RT: 4.57 min Scan# 560

Delta R.T. -0.00 min

Lab File: VX011881.D

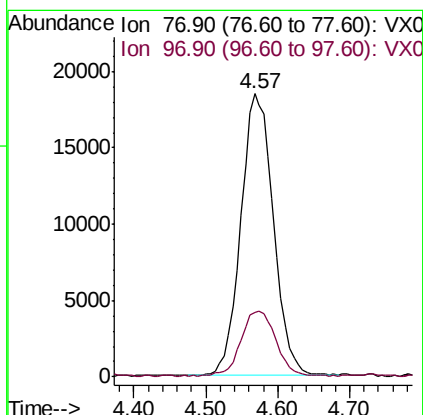
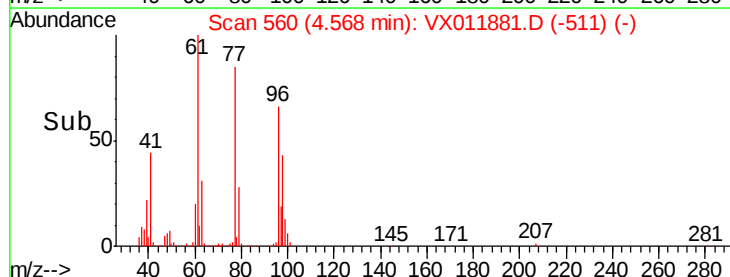
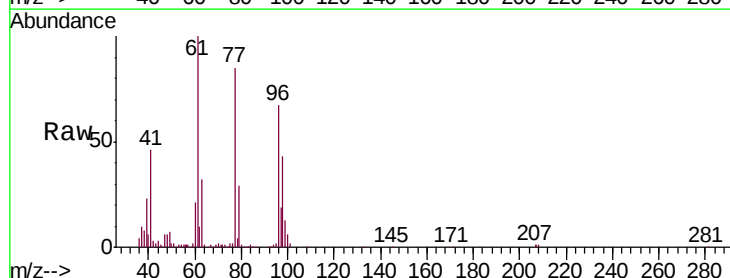
Acq: 28 Aug 2019 21:06

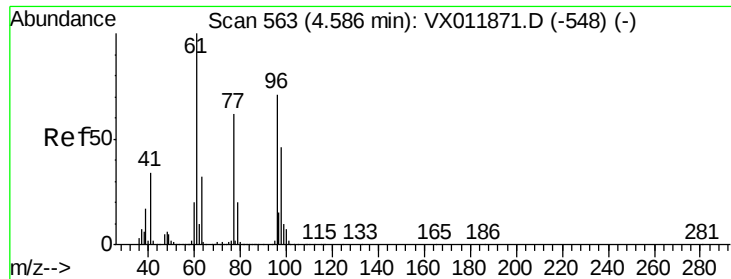
Tgt Ion: 77 Resp: 57746

Ion Ratio Lower Upper

77 100

97 25.7 11.6 34.7



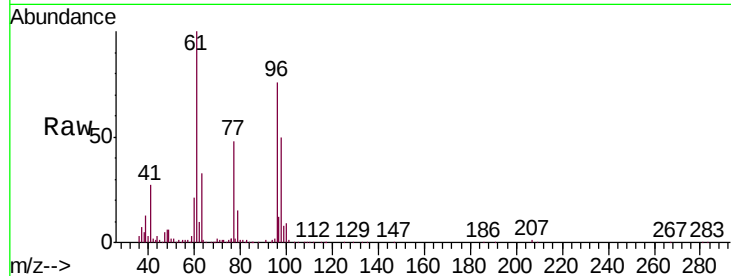


#27

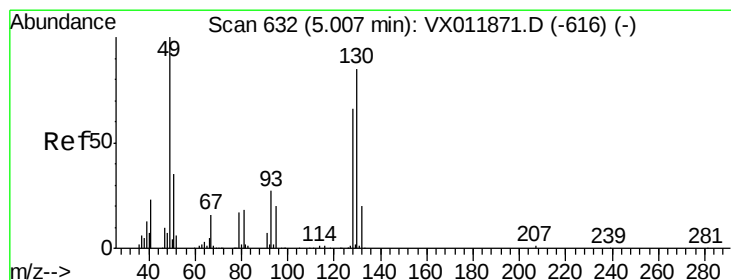
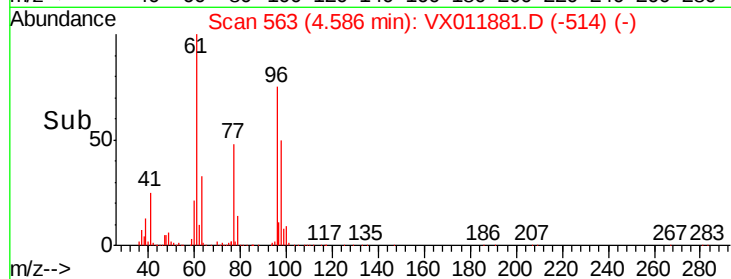
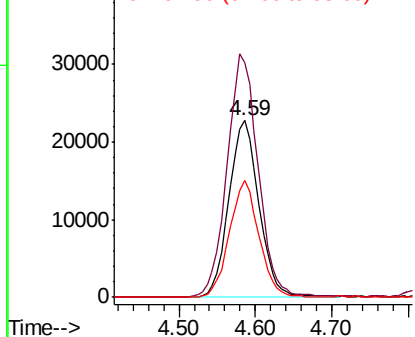
cis-1,2-Dichloroethene
Concen: 21.050 ug/l
RT: 4.59 min Scan# 563
Delta R.T. -0.00 min
Lab File: VX011881.D
Acq: 28 Aug 2019 21:06

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.2	0.0	288.8
98	64.9	0.0	129.6



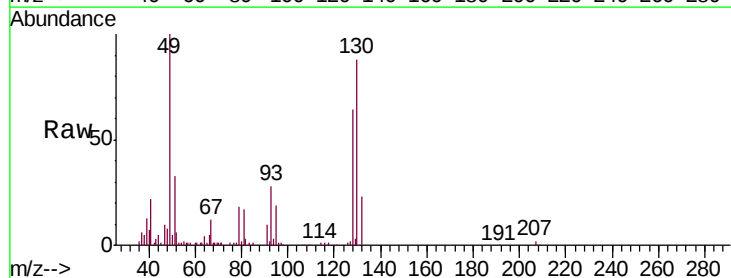
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



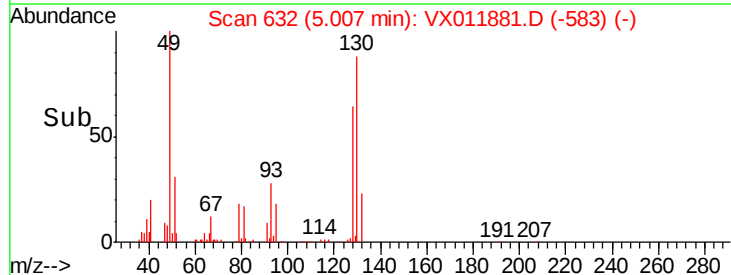
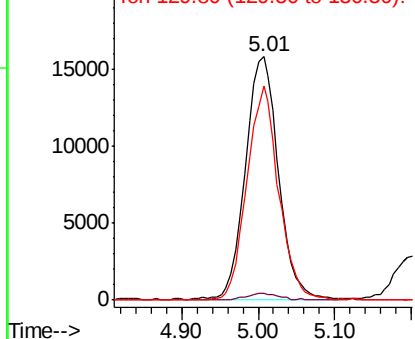
#28

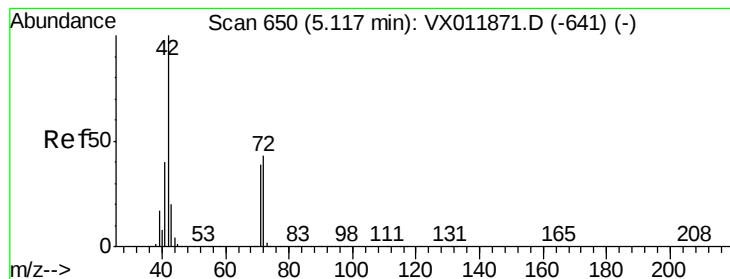
Bromochloromethane
Concen: 23.470 ug/l
RT: 5.01 min Scan# 632
Delta R.T. -0.00 min
Lab File: VX011881.D
Acq: 28 Aug 2019 21:06

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	4.6
130	83.9	67.3	100.9



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: 110.322 ug/l

RT: 5.12 min Scan# 651

Delta R.T. 0.01 min

Lab File: VX011881.D

Acq: 28 Aug 2019 21:06

Instrument :

MSVOA_X

ClientSampleId :

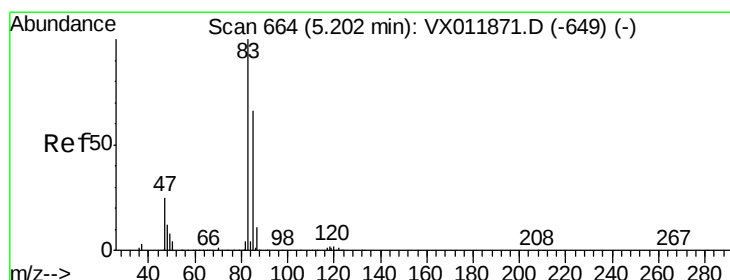
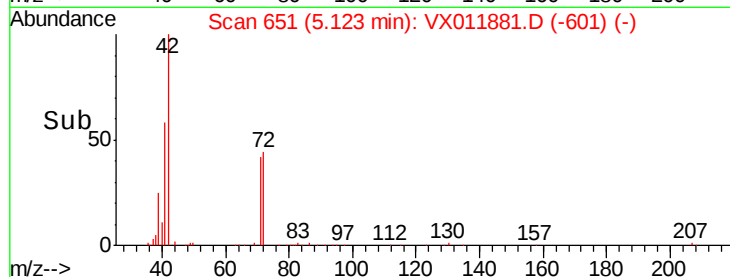
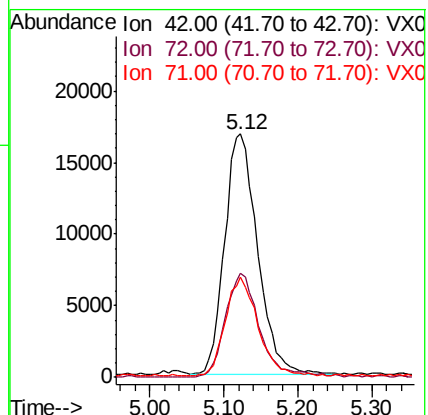
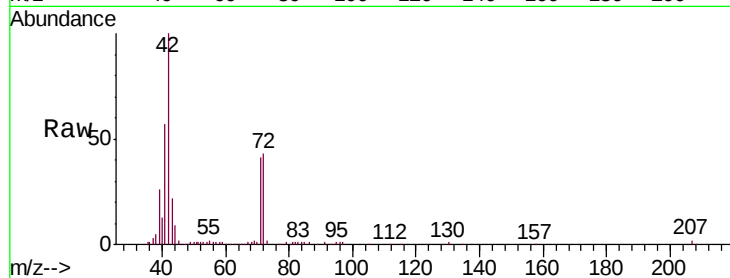
Tot Ion: 42 Resp: 52018

Ion Ratio Lower Upper

42 100

72 44.5 35.4 53.2

71 40.4 32.6 48.8



#30

Chloroform

Concen: 21.301 ug/l

RT: 5.20 min Scan# 663

Delta R.T. -0.01 min

Lab File: VX011881.D

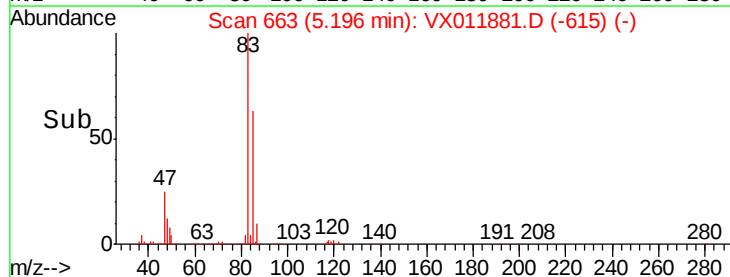
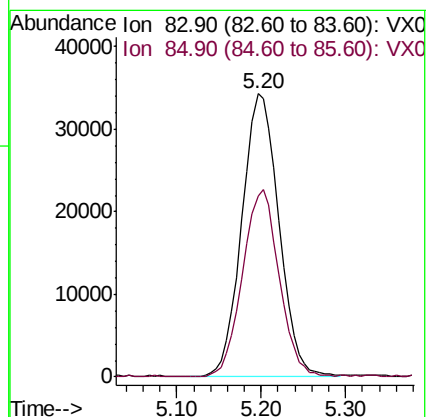
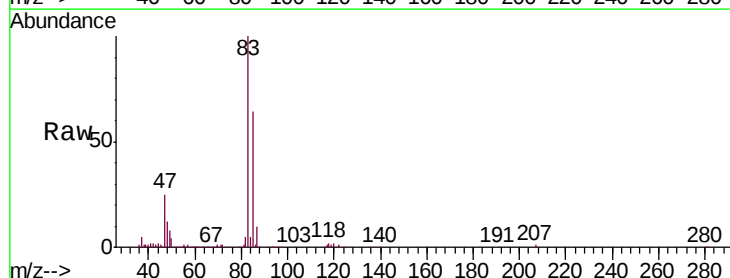
Acq: 28 Aug 2019 21:06

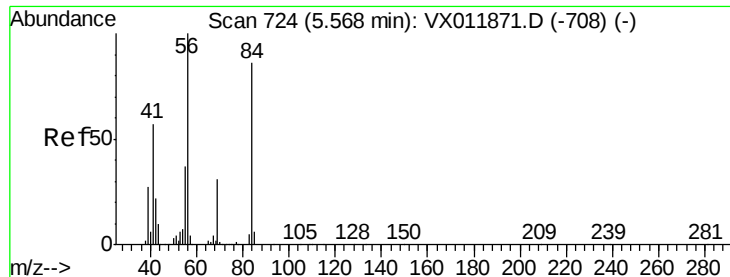
Tgt Ion: 83 Resp: 101264

Ion Ratio Lower Upper

83 100

85 63.7 52.5 78.7

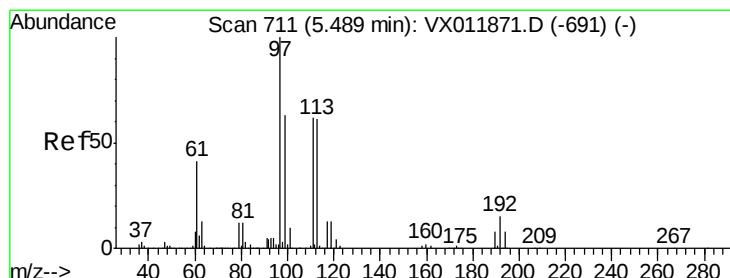
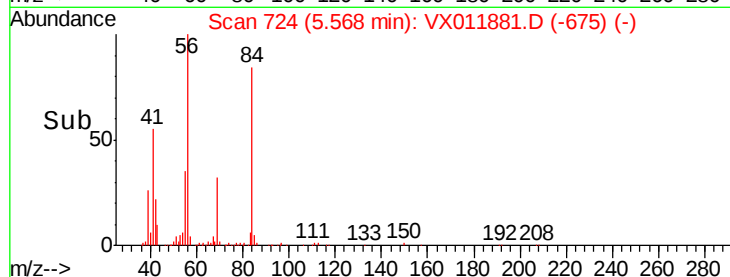
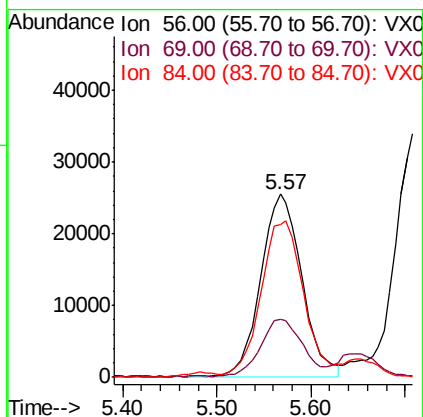
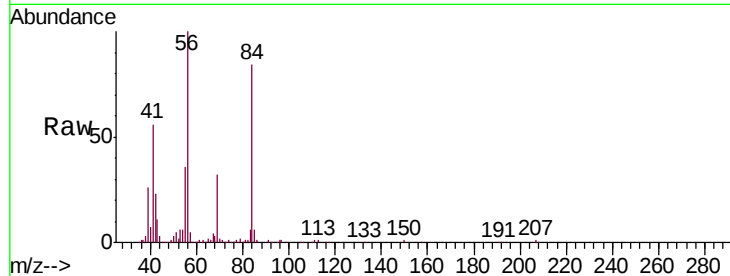




#31
Cyclohexane
Concen: 19.439 ug/l
RT: 5.57 min Scan# 724
Delta R.T. -0.00 min
Lab File: VX011881.D
Acq: 28 Aug 2019 21:06

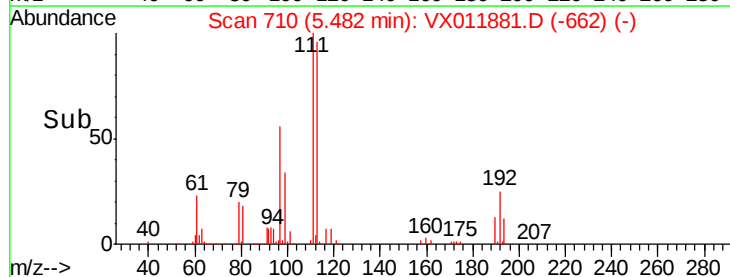
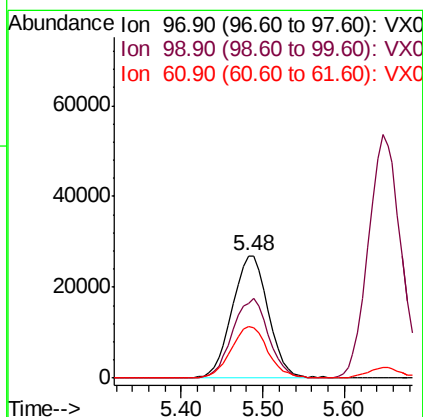
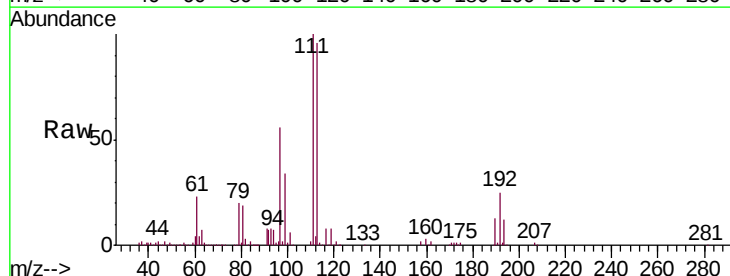
Instrument :
MSVOA_X
ClientSampled :

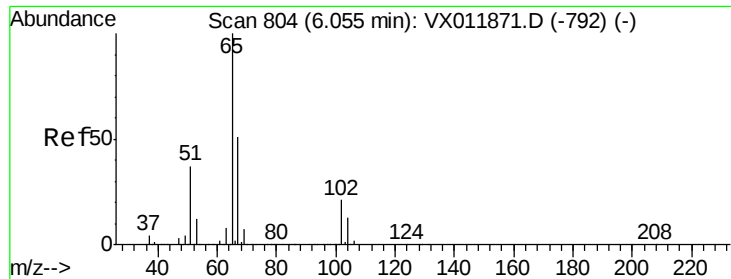
Tot Ion: 56 Resp: 76897
Ion Ratio Lower Upper
56 100
69 31.5 25.0 37.4
84 82.8 68.6 103.0



#32
1,1,1-Trichloroethane
Concen: 19.225 ug/l
RT: 5.48 min Scan# 710
Delta R.T. -0.01 min
Lab File: VX011881.D
Acq: 28 Aug 2019 21:06

Tgt Ion: 97 Resp: 82189
Ion Ratio Lower Upper
97 100
99 65.6 51.1 76.7
61 43.1 33.4 50.2

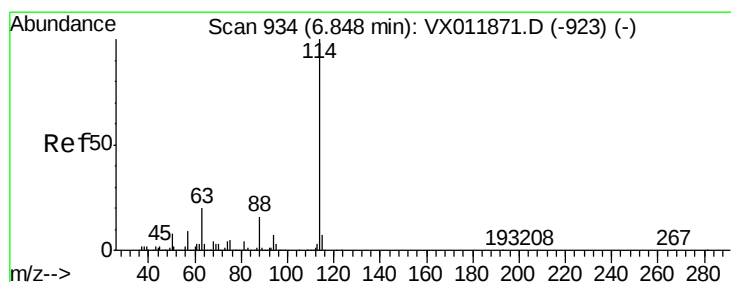
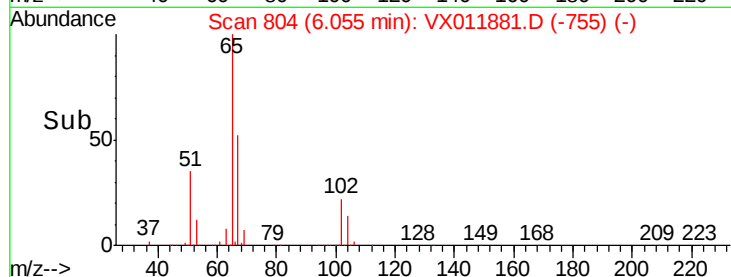
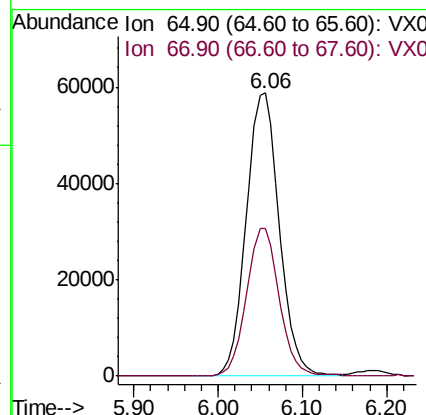
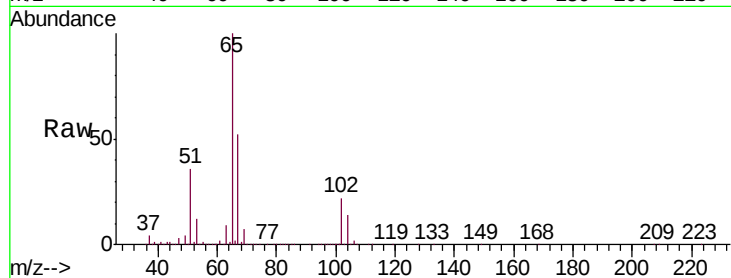




#33
 1,2-Dichloroethane-d4
 Concen: 57.349 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. -0.00 min
 Lab File: VX011881.D
 Acq: 28 Aug 2019 21:06

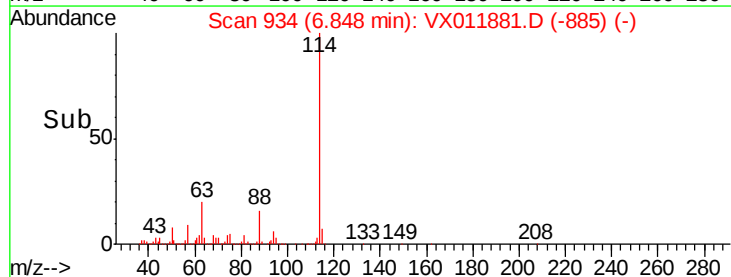
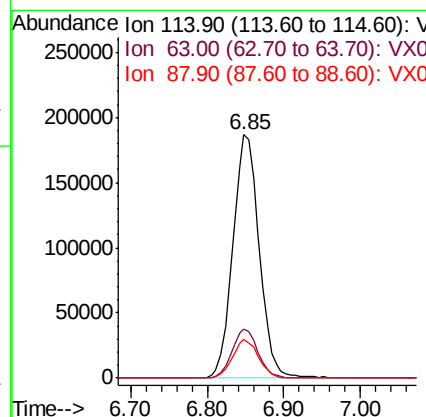
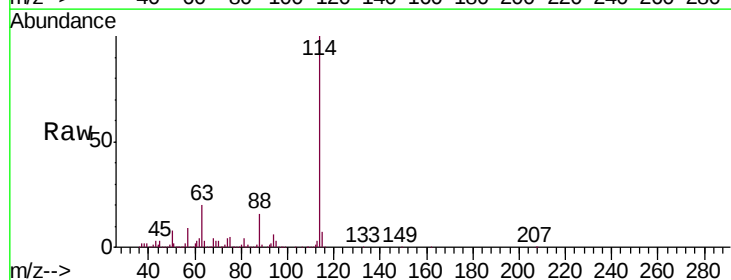
Instrument :
 MSVOA_X
 ClientSampleId :

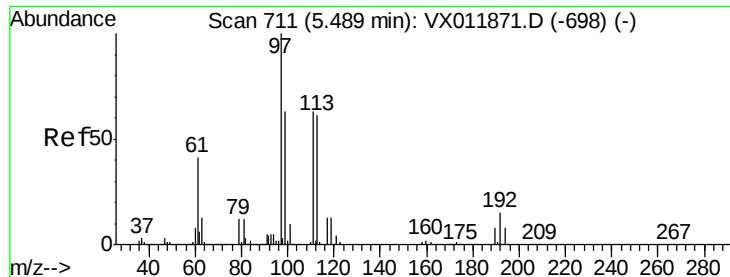
Tot Ion: 65 Resp: 155976
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 934
 Delta R.T. -0.00 min
 Lab File: VX011881.D
 Acq: 28 Aug 2019 21:06

Tgt Ion: 114 Resp: 445496
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 39.8
 88 15.9 0.0 31.6





#35

Dibromofluoromethane

Concen: 51.662 ug/l

RT: 5.49 min Scan# 711

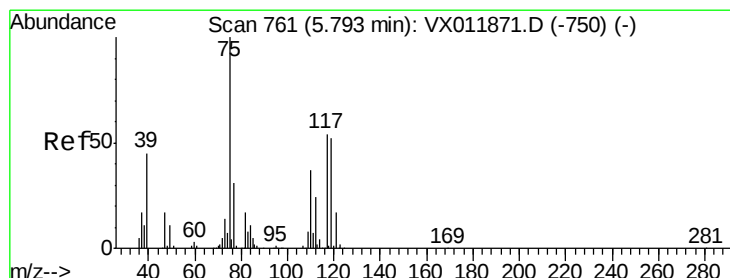
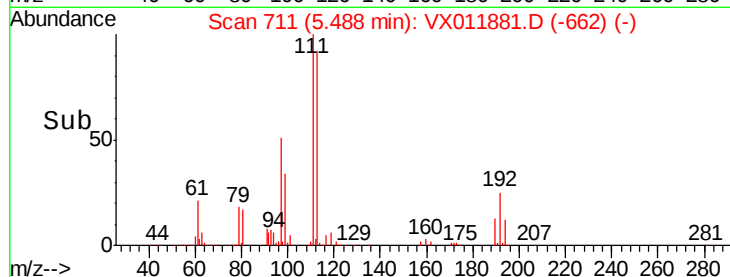
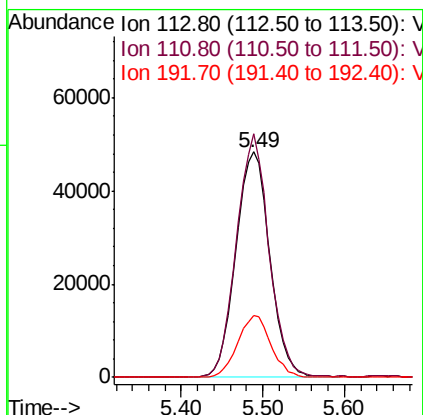
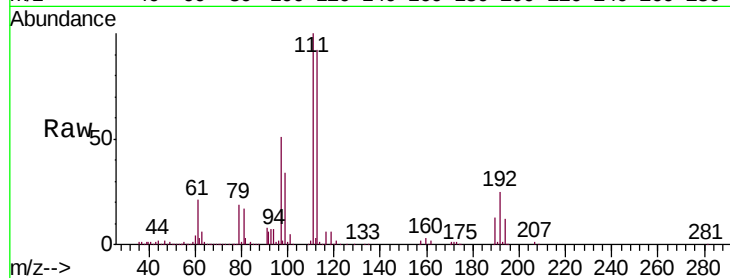
Delta R.T. -0.00 min

Lab File: VX011881.D

Acq: 28 Aug 2019 21:06

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.6	80.9	121.3
192	26.8	20.6	30.8



#36

1,1-Dichloropropene

Concen: 18.803 ug/l

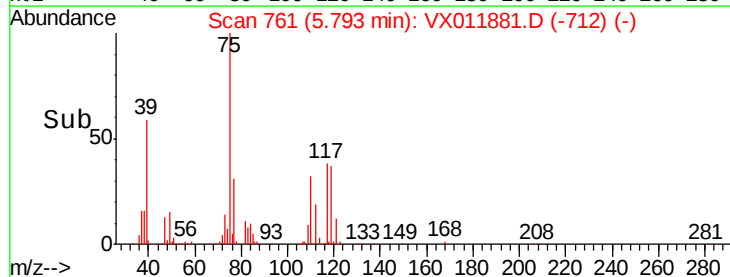
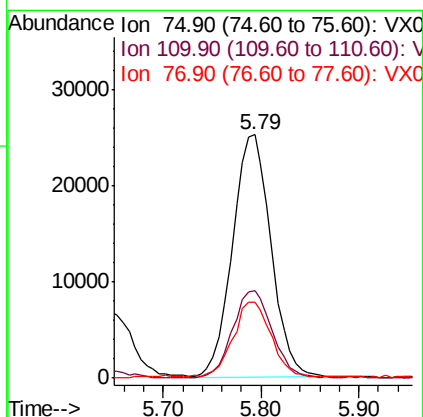
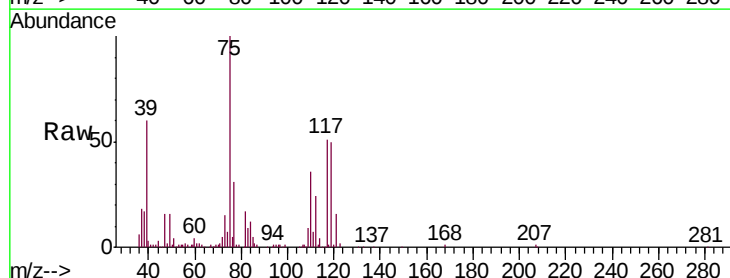
RT: 5.79 min Scan# 761

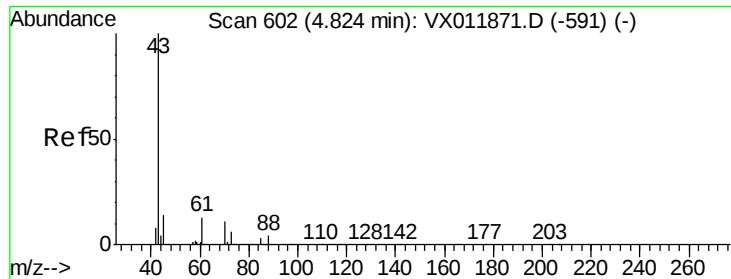
Delta R.T. -0.00 min

Lab File: VX011881.D

Acq: 28 Aug 2019 21:06

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.4	18.5	55.5
77	30.3	24.7	37.1

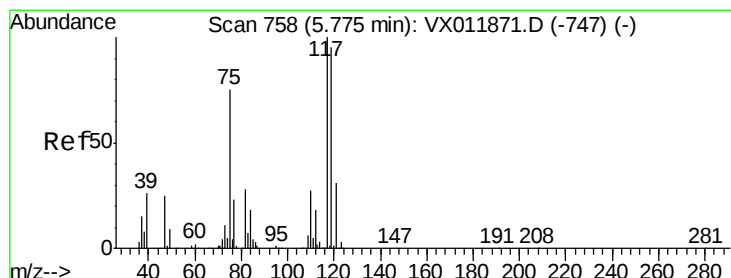
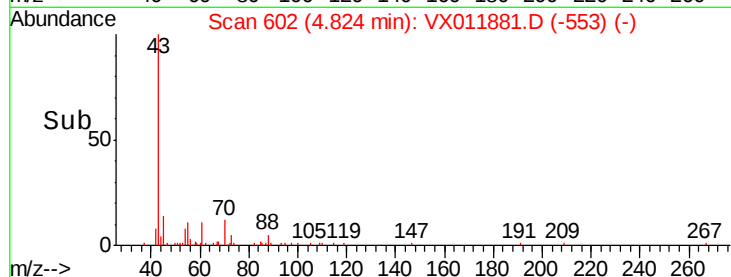
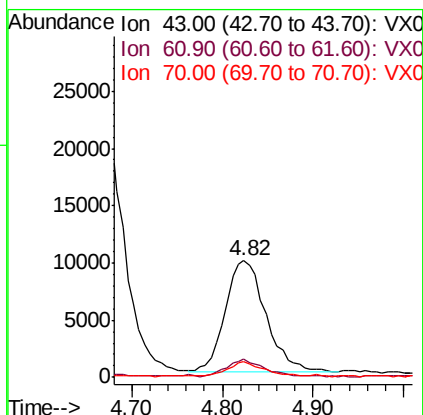
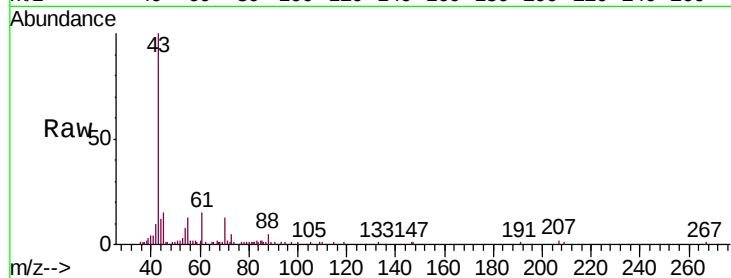




#37
Ethyl Acetate
Concen: 19.617 ug/l
RT: 4.82 min Scan# 602
Delta R.T. -0.00 min
Lab File: VX011881.D
Acq: 28 Aug 2019 21:06

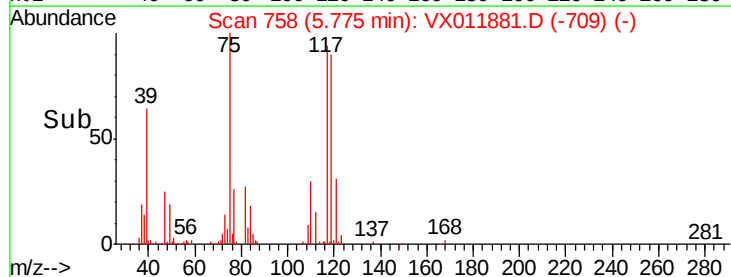
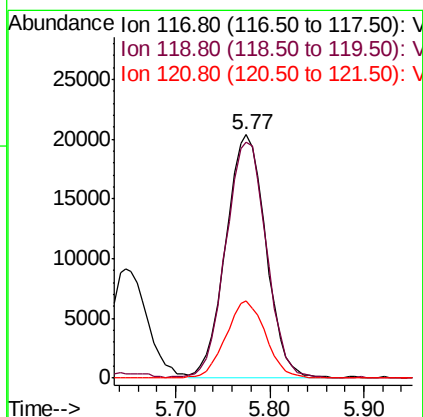
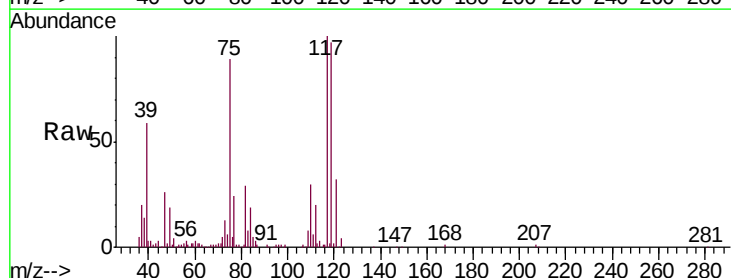
Instrument :
MSVOA_X
ClientSampled :

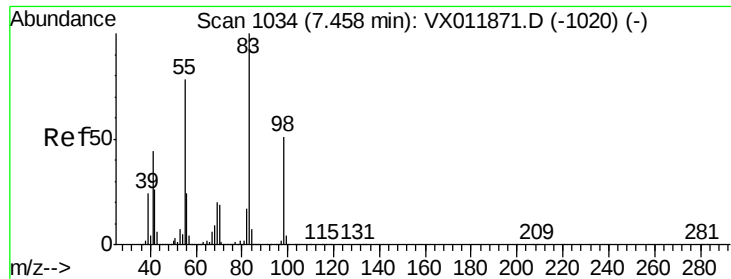
Tot Ion: 43 Resp: 30227
Ion Ratio Lower Upper
43 100
61 13.8 10.5 15.7
70 10.9 8.9 13.3



#38
Carbon Tetrachloride
Concen: 16.945 ug/l
RT: 5.77 min Scan# 758
Delta R.T. -0.00 min
Lab File: VX011881.D
Acq: 28 Aug 2019 21:06

Tgt Ion: 117 Resp: 60503
Ion Ratio Lower Upper
117 100
119 96.5 75.7 113.5
121 32.0 25.1 37.7

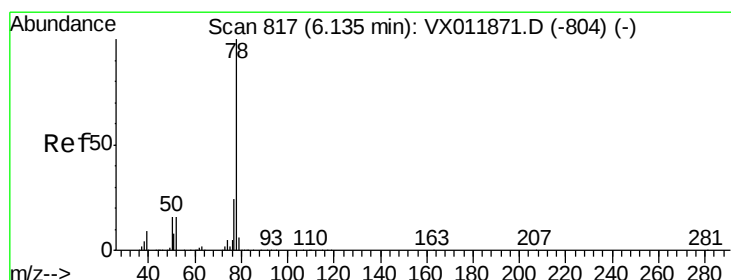
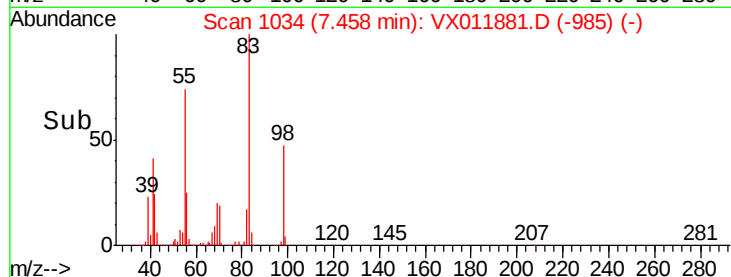
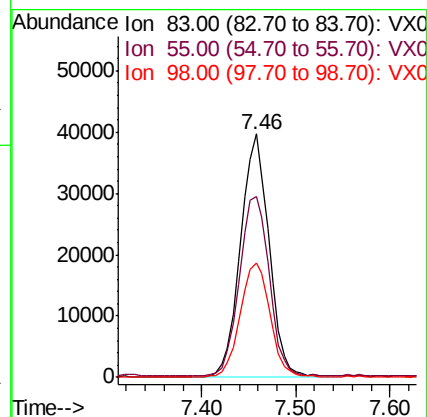
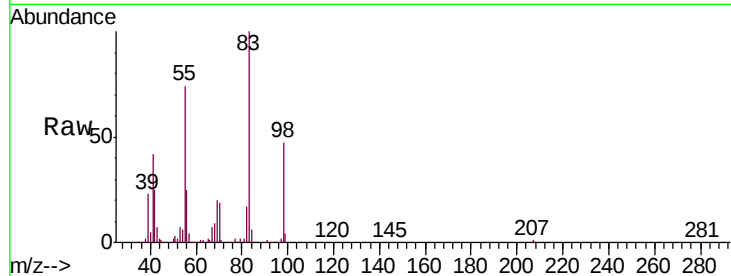




#39
Methvlcvclohexane
Concen: 18.686 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.00 min
Lab File: VX011881.D
Acq: 28 Aug 2019 21:06

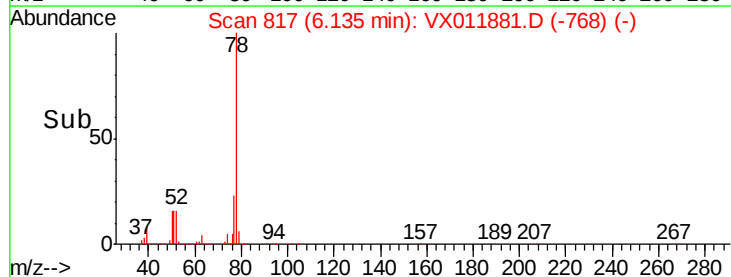
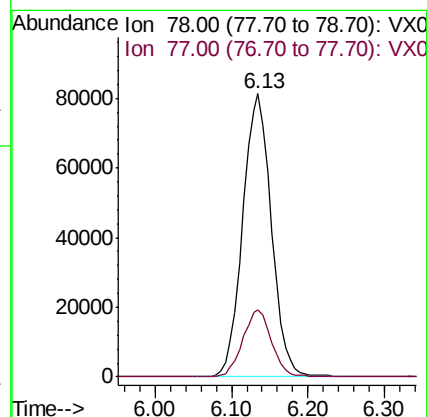
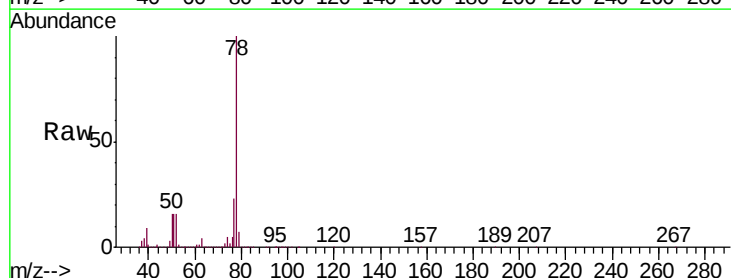
Instrument :
MSVOA_X
ClientSampleId :

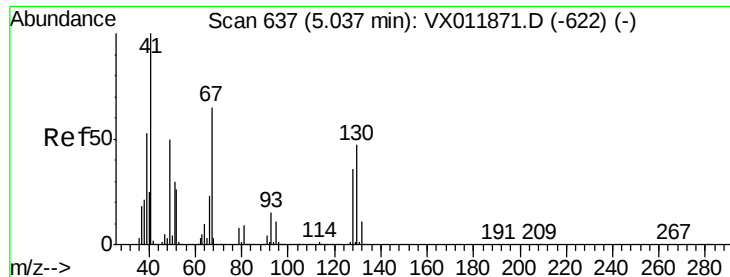
Tot Ion: 83 Resp: 83684
Ion Ratio Lower Upper
83 100
55 74.0 62.1 93.1
98 46.7 40.6 61.0



#40
Benzene
Concen: 19.990 ug/l
RT: 6.13 min Scan# 817
Delta R.T. -0.00 min
Lab File: VX011881.D
Acq: 28 Aug 2019 21:06

Tgt Ion: 78 Resp: 211294
Ion Ratio Lower Upper
78 100
77 23.3 19.0 28.4

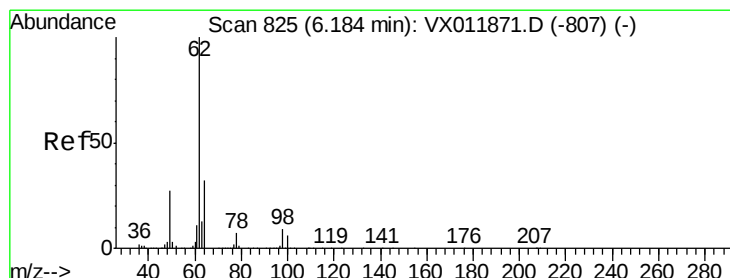
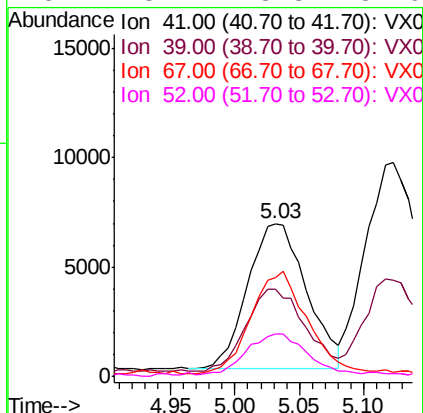
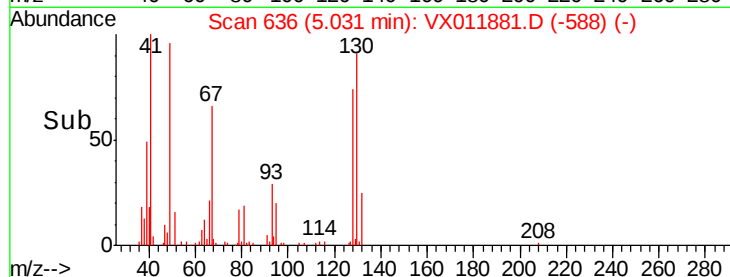
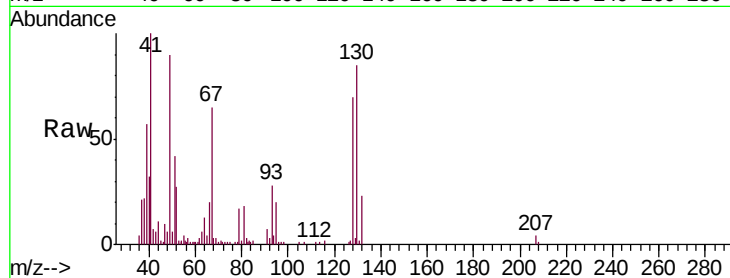




#41
Methacrylonitrile
Concen: 20.251 ug/l
RT: 5.03 min Scan# 636
Delta R.T. -0.01 min
Lab File: VX011881.D
Acq: 28 Aug 2019 21:06

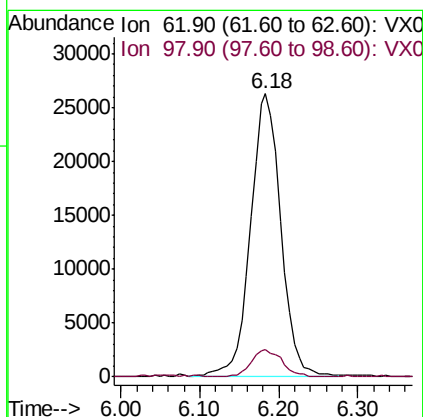
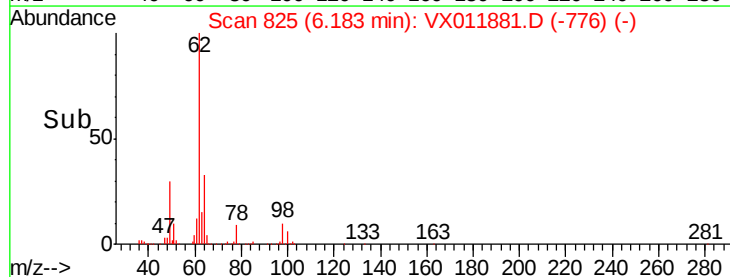
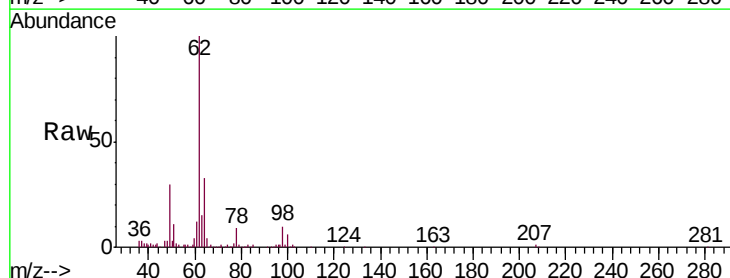
Instrument :
MSVOA_X
ClientSampleId :

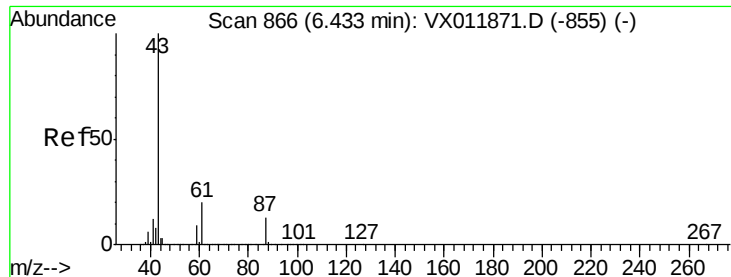
Tot Ion:	41	Resp:	21167
Ion	Ratio	Lower	Upper
41	100		
39	55.7	44.5	66.7
67	68.3	55.0	82.4
52	28.7	23.3	34.9



#42
1,2-Dichloroethane
Concen: 20.792 ug/l
RT: 6.18 min Scan# 825
Delta R.T. -0.00 min
Lab File: VX011881.D
Acq: 28 Aug 2019 21:06

Tgt Ion:	62	Resp:	69782
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	19.2



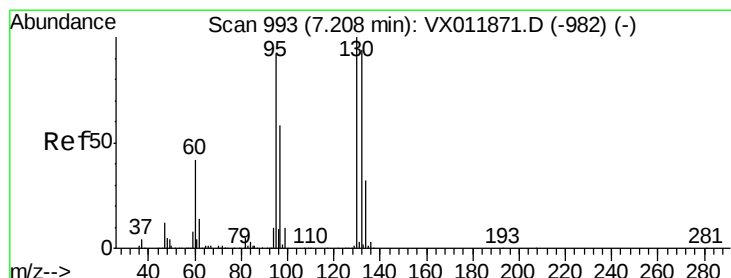
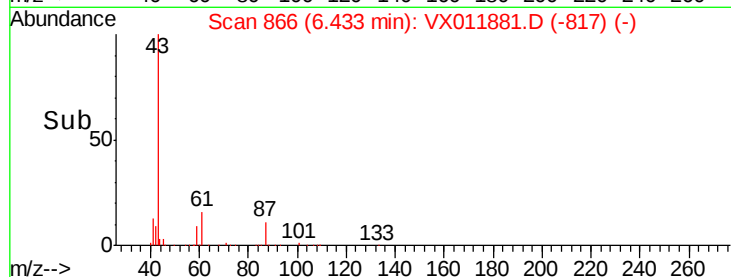
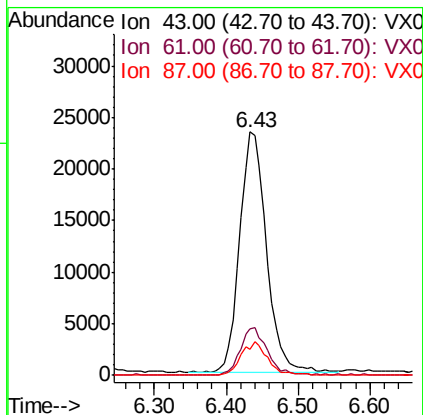
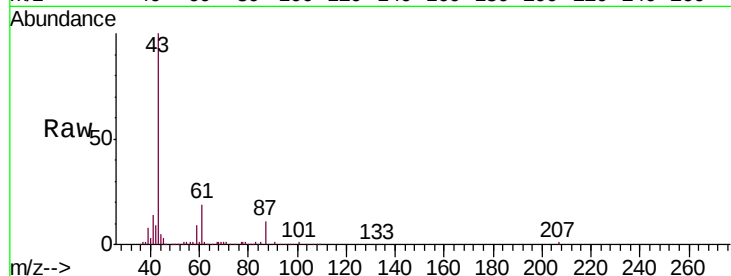


#43

Isopropyl Acetate
 Concen: 19.881 ug/l
 RT: 6.43 min Scan# 866
 Delta R.T. -0.00 min
 Lab File: VX011881.D
 Acq: 28 Aug 2019 21:06

Instrument :
 MSVOA_X
 ClientSampleId :

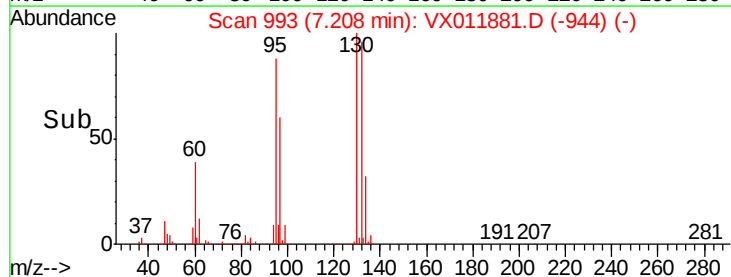
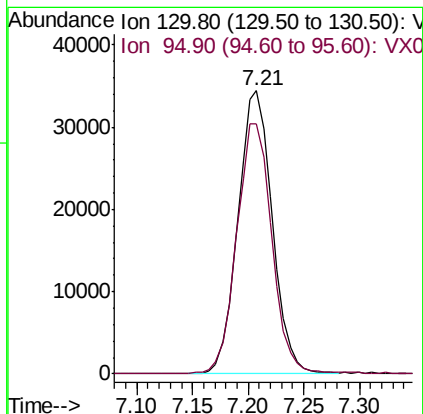
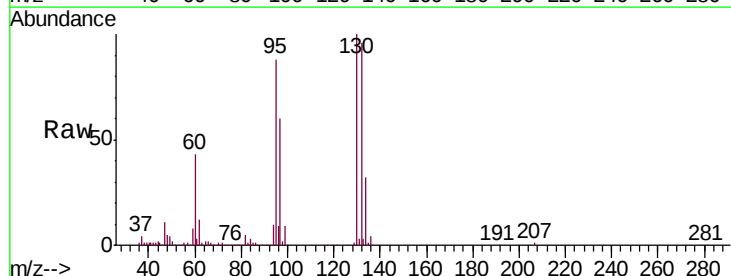
Tot Ion	43	Resp	60186
Ion Ratio	Lower	Upper	
43	100		
61	19.8	15.6	23.4
87	14.0	10.6	15.8

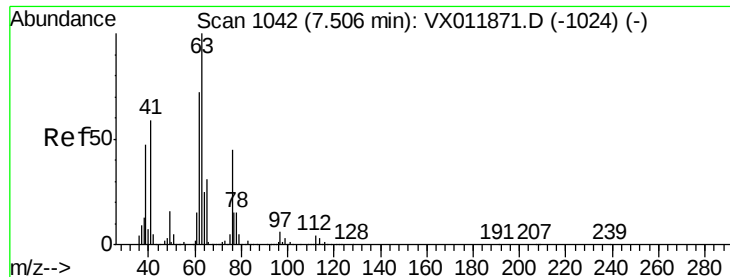


#44

Trichloroethene
 Concen: 20.731 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. -0.00 min
 Lab File: VX011881.D
 Acq: 28 Aug 2019 21:06

Tgt Ion	130	Resp	73661
Ion Ratio	Lower	Upper	
130	100		
95	88.1	0.0	184.0





#45

1,2-Dichloropropane

Concen: 20.181 ug/l

RT: 7.51 min Scan# 1042

Delta R.T. -0.00 min

Lab File: VX011881.D

Acq: 28 Aug 2019 21:06

Instrument :

MSVOA_X

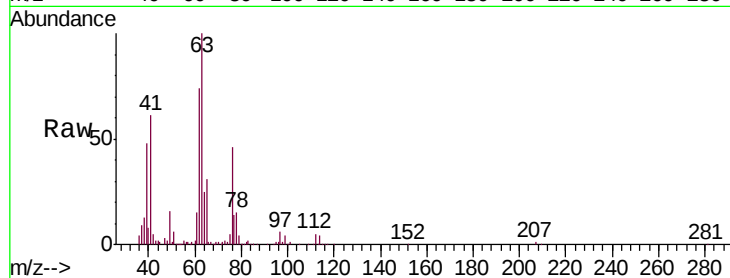
ClientSampleId :

Tot Ion: 63 Resp: 53081

Ion Ratio Lower Upper

63 100

65 31.1 24.5 36.7



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.51

25000

20000

15000

10000

5000

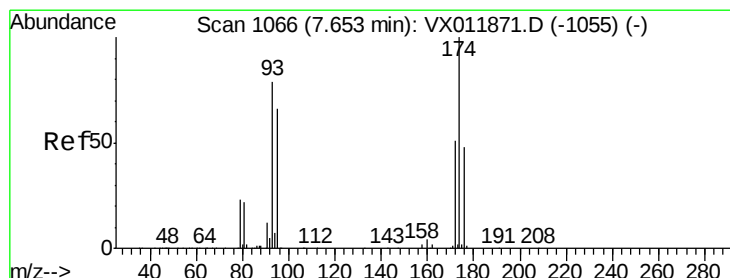
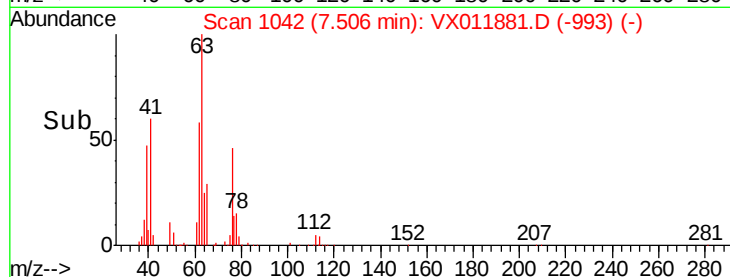
0

7.40

7.50

7.60

Time-->



#46

Dibromomethane

Concen: 20.710 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.01 min

Lab File: VX011881.D

Acq: 28 Aug 2019 21:06

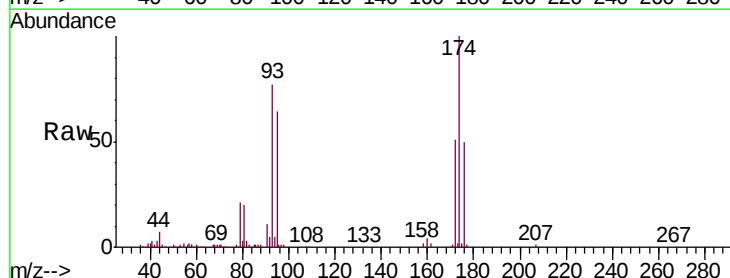
Tgt Ion: 93 Resp: 32272

Ion Ratio Lower Upper

93 100

95 84.1 65.8 98.8

174 126.5 100.2 150.4



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

25000

20000

15000

10000

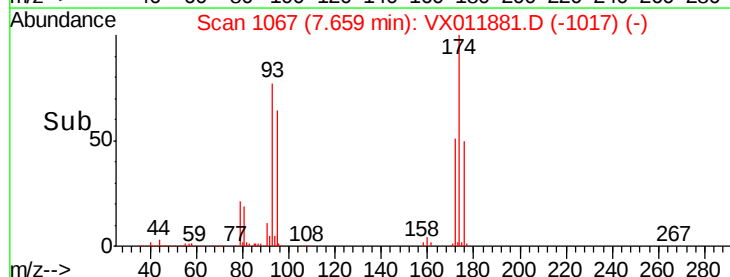
5000

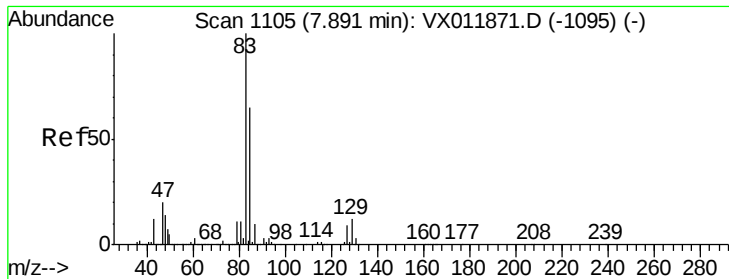
0

7.60

7.70

Time-->





#47

Bromodichloromethane

Concen: 19.466 ug/l

RT: 7.89 min Scan# 1105

Delta R.T. -0.00 min

Lab File: VX011881.D

Acq: 28 Aug 2019 21:06

Instrument :
MSVOA_X
ClientSampleId :

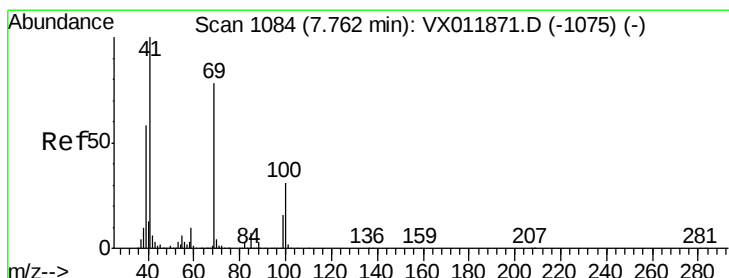
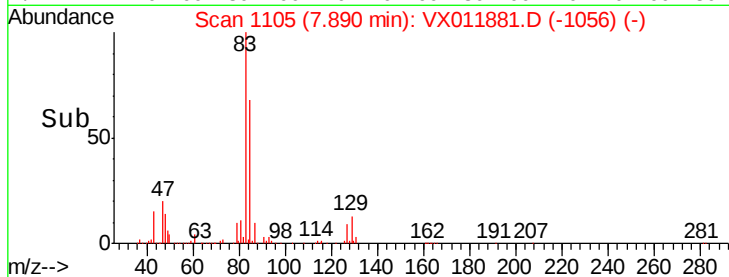
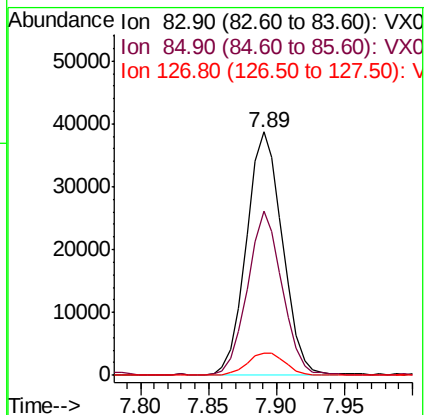
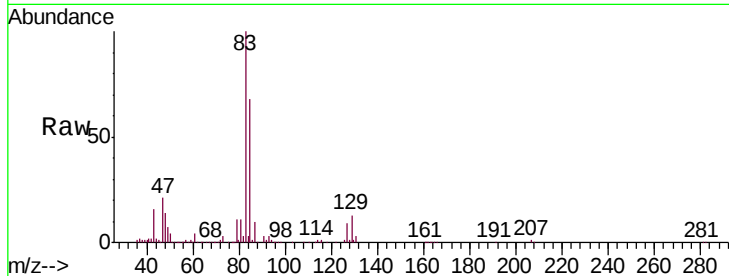
Tot Ion: 83 Resp: 71322

Ion Ratio Lower Upper

83 100

85 67.3 51.8 77.8

127 9.4 7.4 11.2



#48

Methyl methacrylate

Concen: 19.890 ug/l

RT: 7.76 min Scan# 1084

Delta R.T. -0.00 min

Lab File: VX011881.D

Acq: 28 Aug 2019 21:06

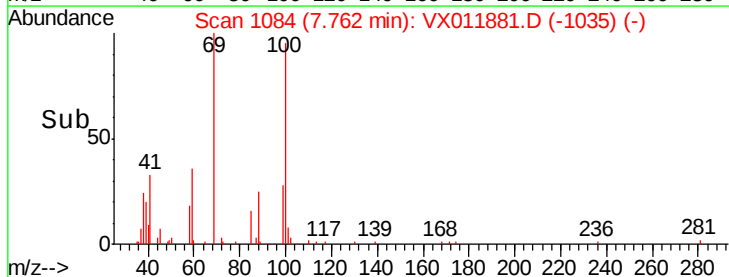
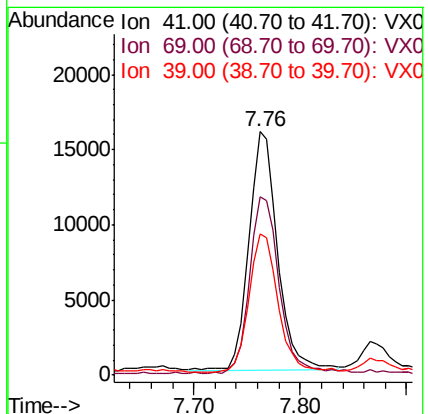
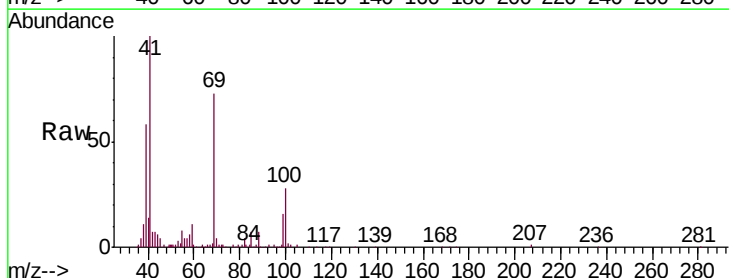
Tgt Ion: 41 Resp: 30112

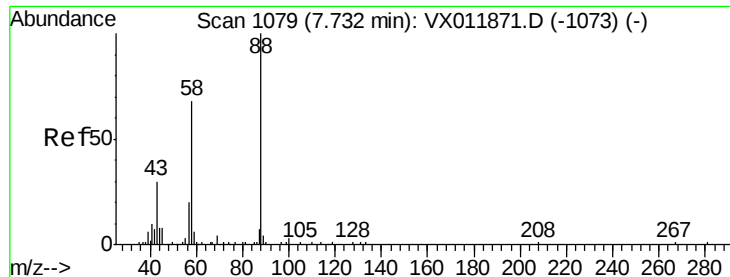
Ion Ratio Lower Upper

41 100

69 76.0 63.0 94.4

39 59.2 46.1 69.1





#49

1,4-Dioxane

Concen: 466.685 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. 0.01 min

Lab File: VX011881.D

Acq: 28 Aug 2019 21:06

Instrument :

MSVOA_X

ClientSampleId :

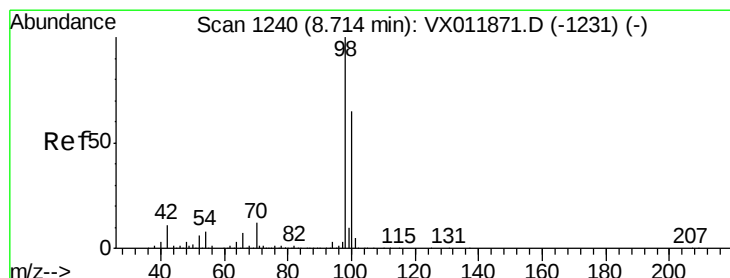
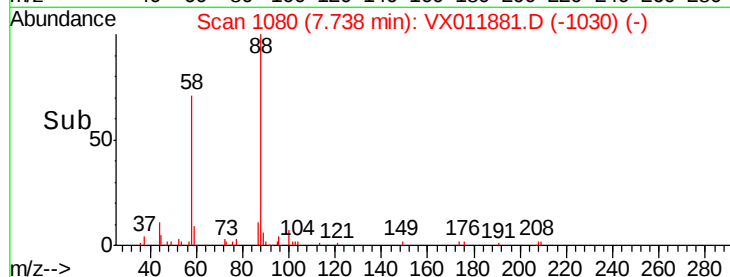
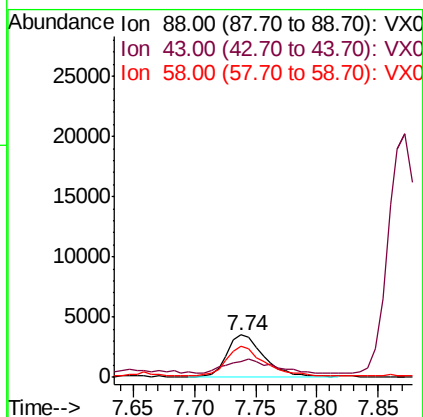
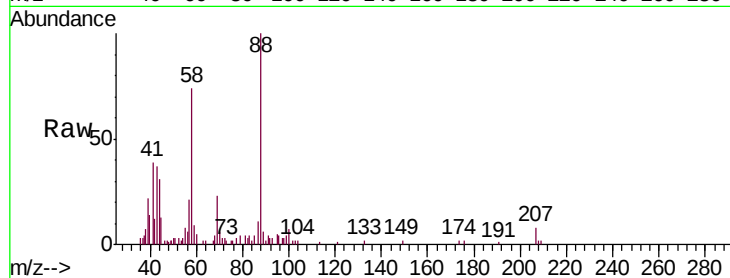
Tot Ion: 88 Resp: 7613

Ion Ratio Lower Upper

88 100

43 41.5 33.2 49.8

58 72.2 58.2 87.4



#50

Toluene-d8

Concen: 54.393 ug/l

RT: 8.71 min Scan# 1239

Delta R.T. -0.01 min

Lab File: VX011881.D

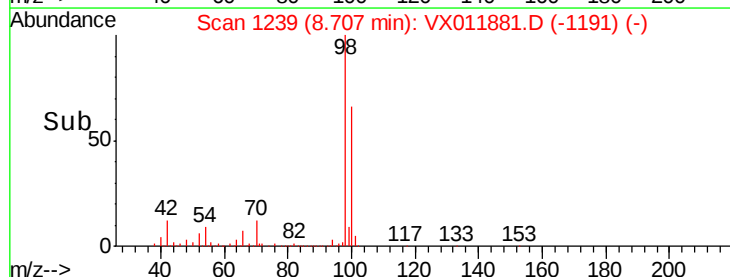
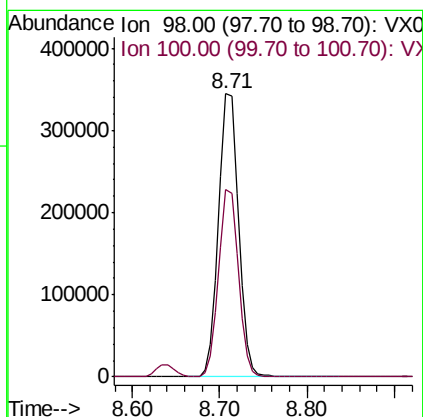
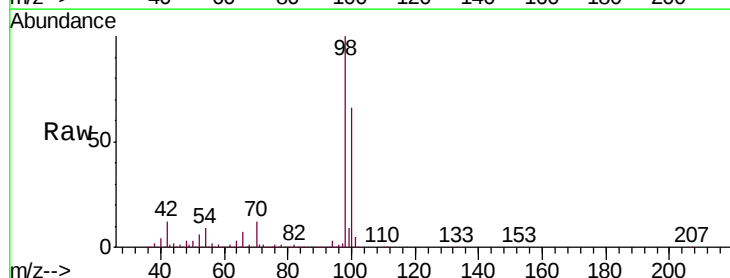
Acq: 28 Aug 2019 21:06

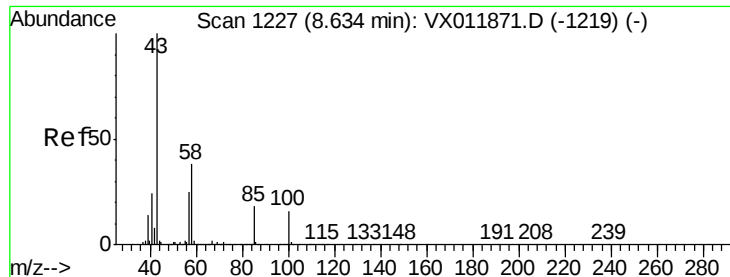
Tgt Ion: 98 Resp: 548176

Ion Ratio Lower Upper

98 100

100 65.7 52.9 79.3





#51

4-Methyl-2-Pentanone

Concen: 117.333 ug/l

RT: 8.63 min Scan# 1227

Delta R.T. -0.00 min

Lab File: VX011881.D

Acq: 28 Aug 2019 21:06

Instrument :

MSVOA_X

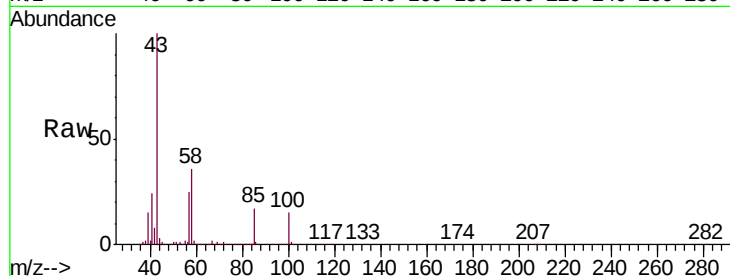
ClientSampleId :

Tot Ion: 43 Resp: 143082

Ion Ratio Lower Upper

43 100

58 38.5 30.8 46.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.63

100000

80000

60000

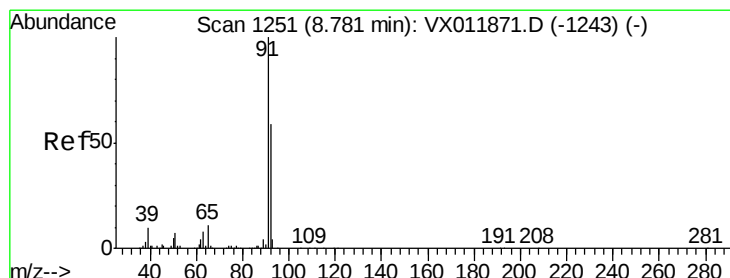
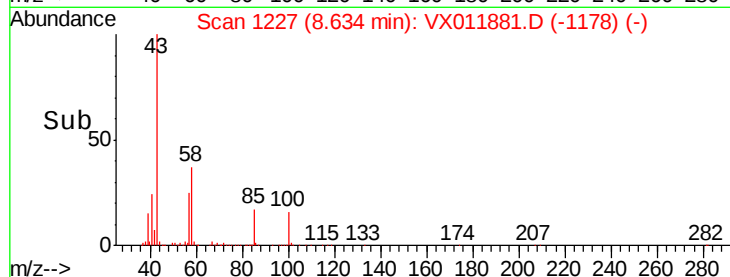
40000

20000

0

8.55 8.60 8.65 8.70

Time-->



#52

Toluene

Concen: 19.856 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX011881.D

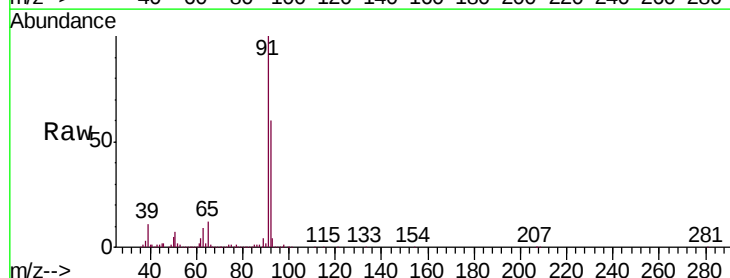
Acq: 28 Aug 2019 21:06

Tgt Ion: 92 Resp: 135255

Ion Ratio Lower Upper

92 100

91 167.2 136.2 204.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

150000

100000

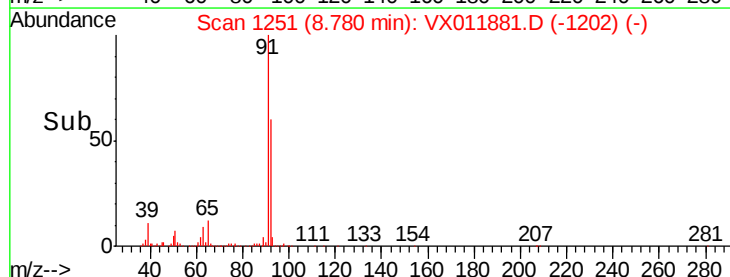
8.78

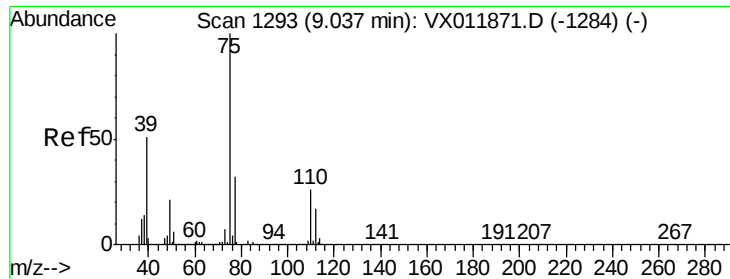
50000

0

8.70 8.80 8.90

Time-->





#53

t-1,3-Dichloropropene

Concen: 16.470 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. -0.00 min

Lab File: VX011881.D

Acq: 28 Aug 2019 21:06

Instrument :

MSVOA_X

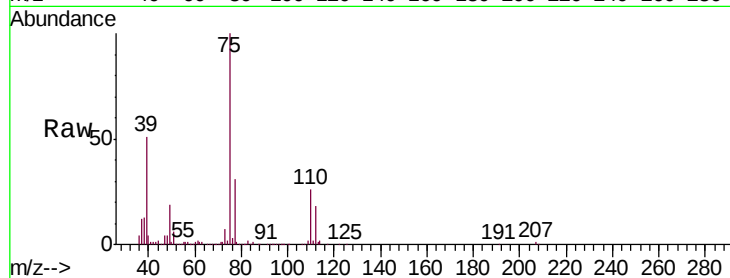
ClientSampleId :

Tot Ion: 75 Resp: 51412

Ion Ratio Lower Upper

75 100

77 30.6 25.4 38.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.04

40000

30000

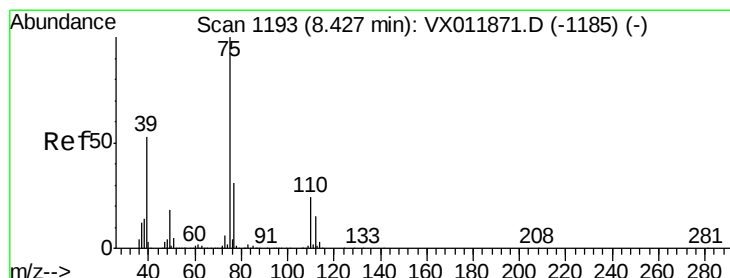
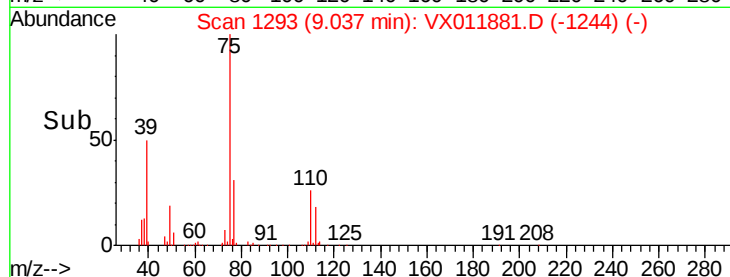
20000

10000

0

9.00 9.10

Time-->



#54

cis-1,3-Dichloropropene

Concen: 17.733 ug/l

RT: 8.43 min Scan# 1193

Delta R.T. -0.00 min

Lab File: VX011881.D

Acq: 28 Aug 2019 21:06

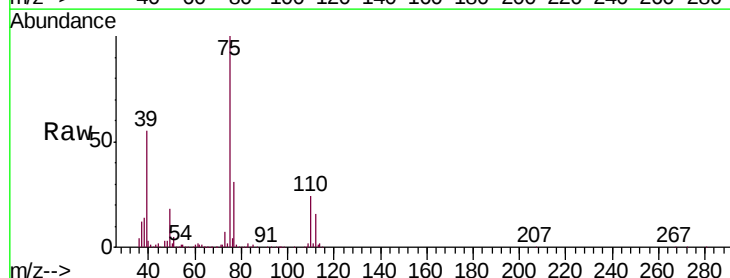
Tgt Ion: 75 Resp: 69888

Ion Ratio Lower Upper

75 100

77 30.4 24.9 37.3

39 55.0 42.2 63.4



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

8.43

50000

40000

30000

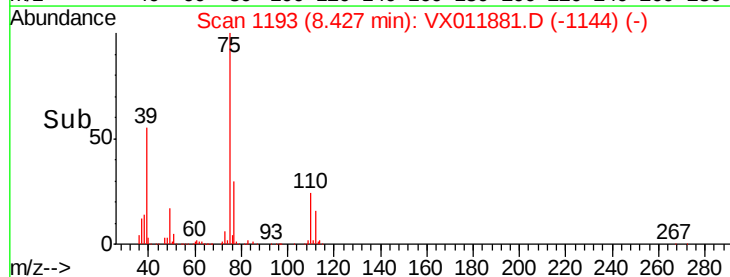
20000

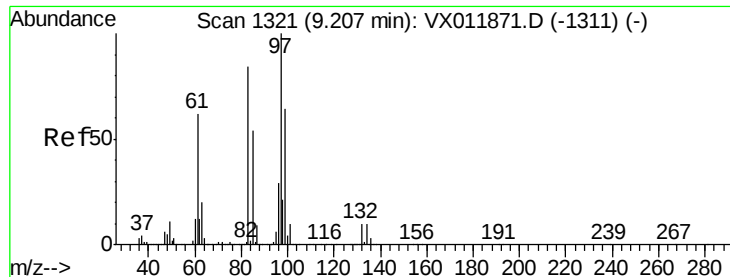
10000

0

8.30 8.40 8.50

Time-->





#55

1,1,2-Trichloroethane

Concen: 21.068 ug/l

RT: 9.21 min Scan# 1321

Delta R.T. -0.00 min

Lab File: VX011881.D

Acq: 28 Aug 2019 21:06

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 97 Resp: 42782

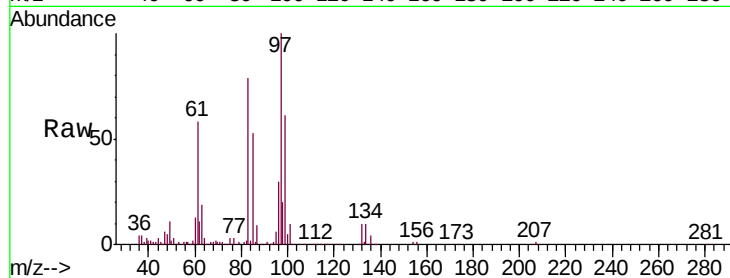
Ion Ratio Lower Upper

97 100

83 78.6 67.6 101.4

85 53.3 42.9 64.3

99 61.2 51.1 76.7

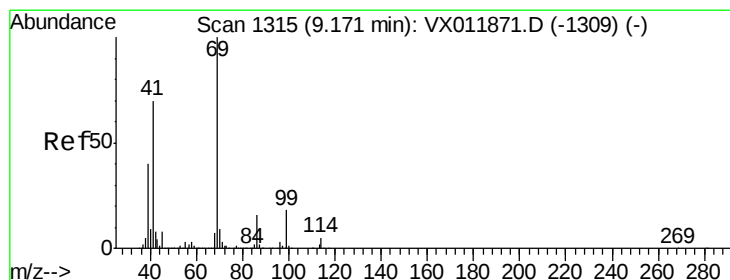
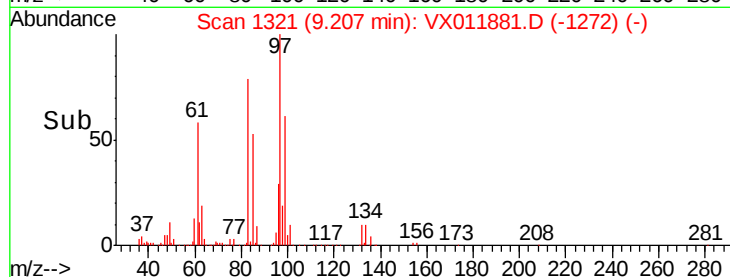
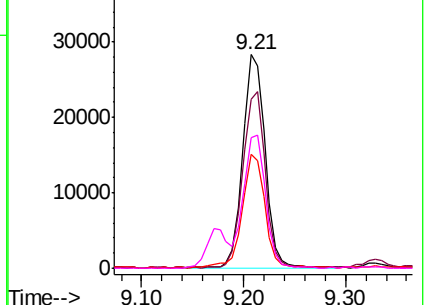


Abundance Ion 96.90 (96.60 to 97.60): VX0

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: 20.036 ug/l

RT: 9.17 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VX011881.D

Acq: 28 Aug 2019 21:06

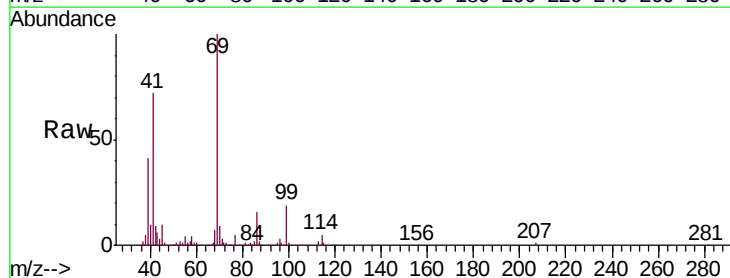
Tgt Ion: 69 Resp: 39670

Ion Ratio Lower Upper

69 100

41 69.5 55.9 83.9

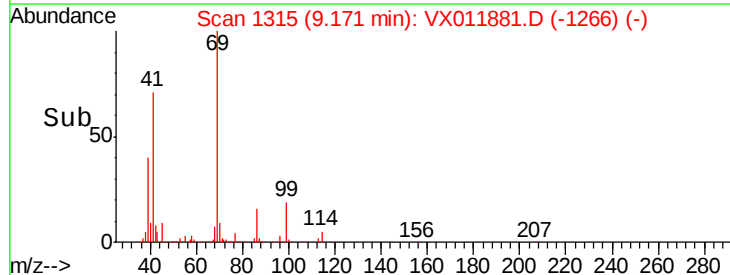
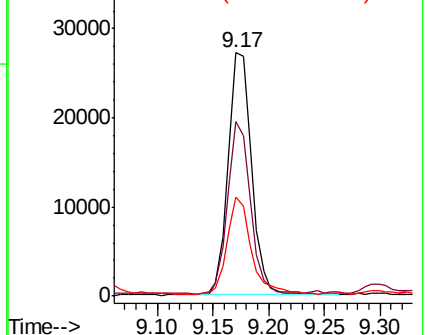
39 40.6 31.9 47.9

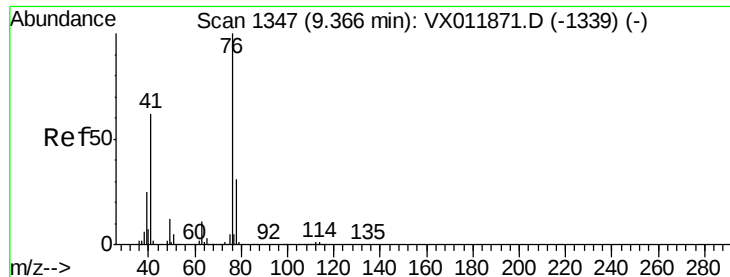


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 20.289 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. -0.00 min

Lab File: VX011881.D

Acq: 28 Aug 2019 21:06

Instrument :

MSVOA_X

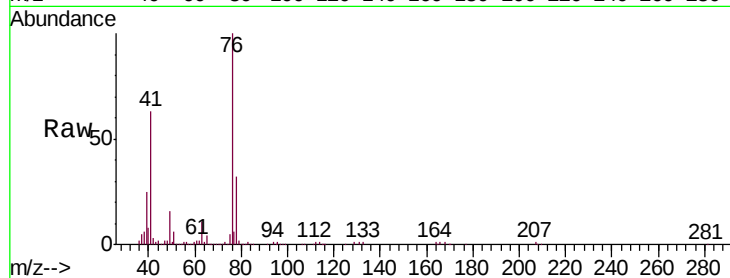
ClientSampleId :

Tot Ion: 76 Resp: 68475

Ion Ratio Lower Upper

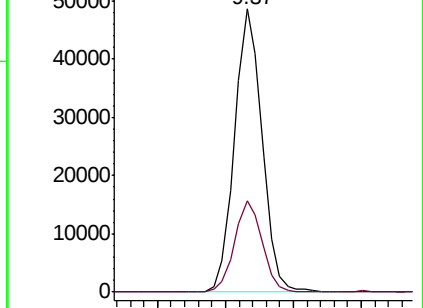
76 100

78 32.3 25.4 38.0

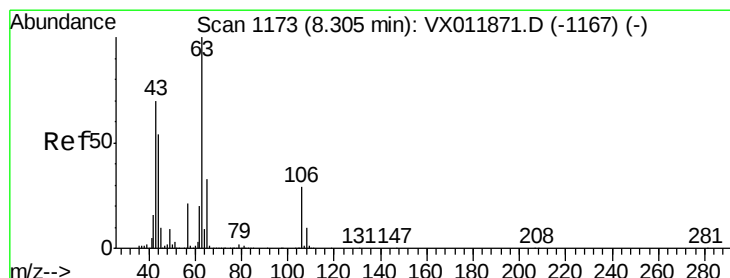
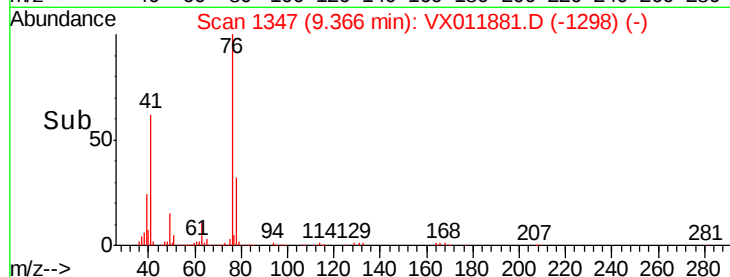


Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 105.586 ug/l

RT: 8.30 min Scan# 1173

Delta R.T. -0.00 min

Lab File: VX011881.D

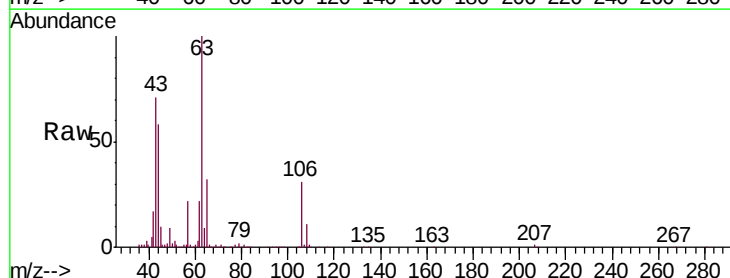
Acq: 28 Aug 2019 21:06

Tgt Ion: 63 Resp: 56247

Ion Ratio Lower Upper

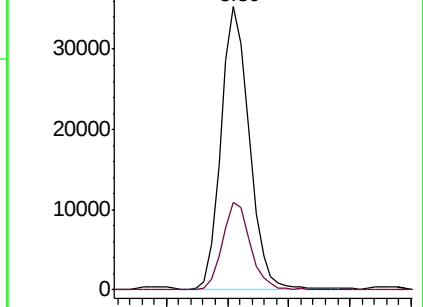
63 100

106 31.0 24.6 36.8

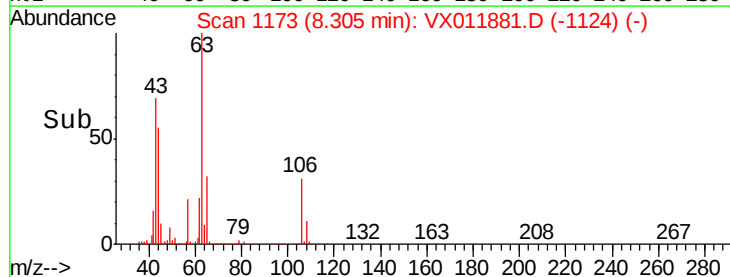


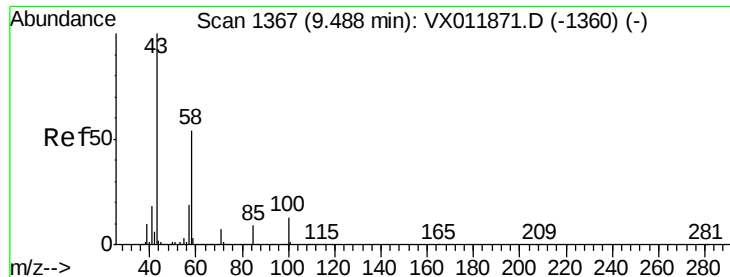
Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V



Time-->

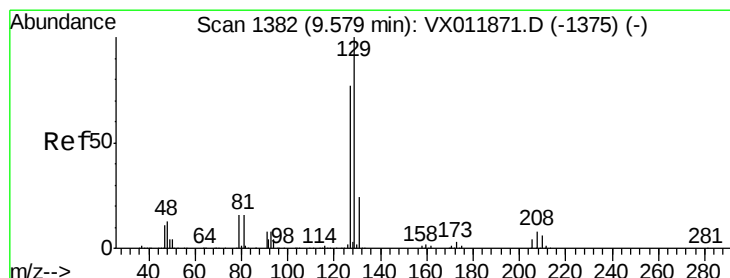
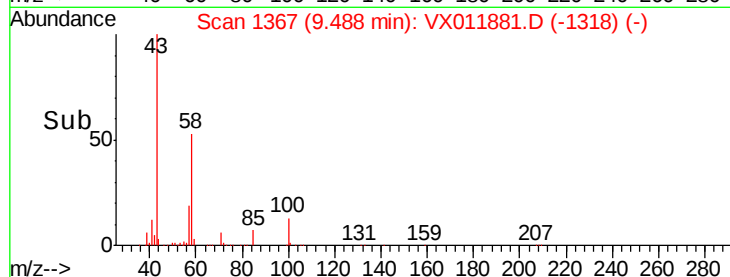
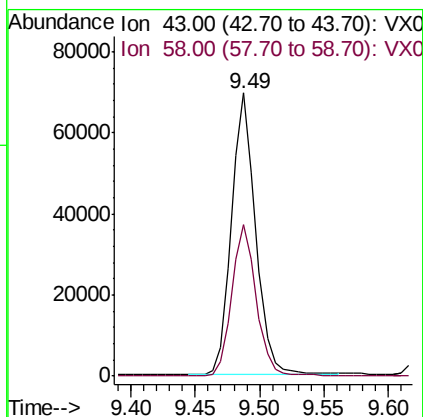
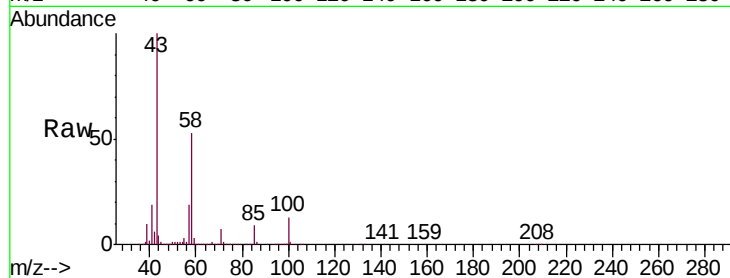




#59
2-Hexanone
Concen: 117.108 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX011881.D
Acq: 28 Aug 2019 21:06

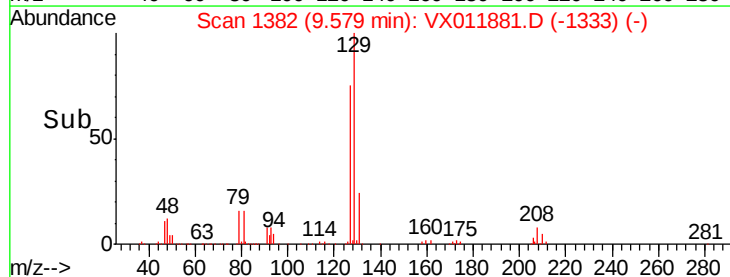
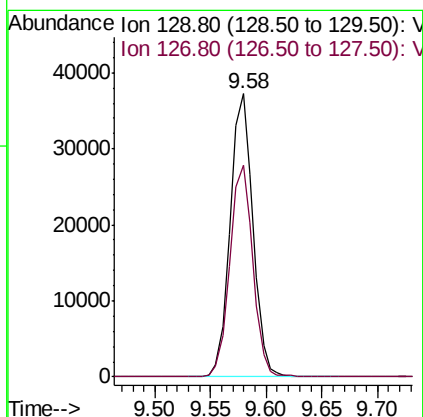
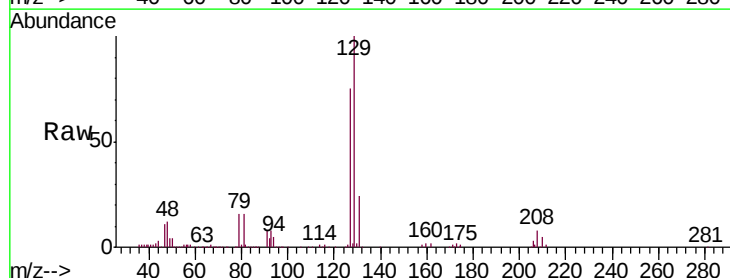
Instrument :
MSVOA_X
ClientSampleId :

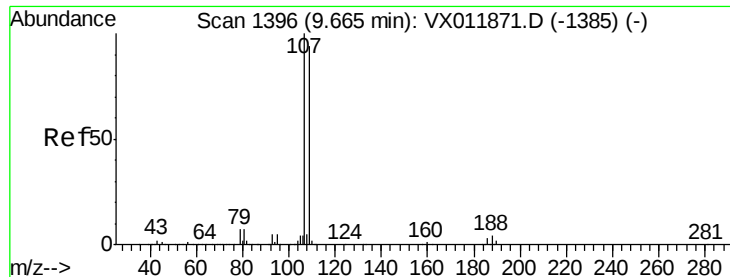
Tot Ion: 43 Resp: 91261
Ion Ratio Lower Upper
43 100
58 54.8 26.7 80.1



#60
Dibromochloromethane
Concen: 19.432 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX011881.D
Acq: 28 Aug 2019 21:06

Tgt Ion: 129 Resp: 52507
Ion Ratio Lower Upper
129 100
127 75.8 38.3 114.8





#61

1,2-Dibromoethane

Concen: 19.286 ug/l

RT: 9.66 min Scan# 1396

Delta R.T. -0.00 min

Lab File: VX011881.D

Acq: 28 Aug 2019 21:06

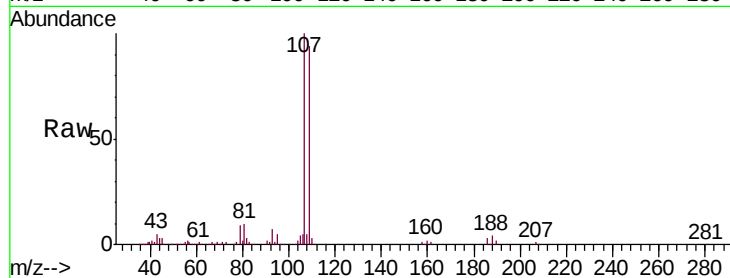
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:107 Resp: 38344

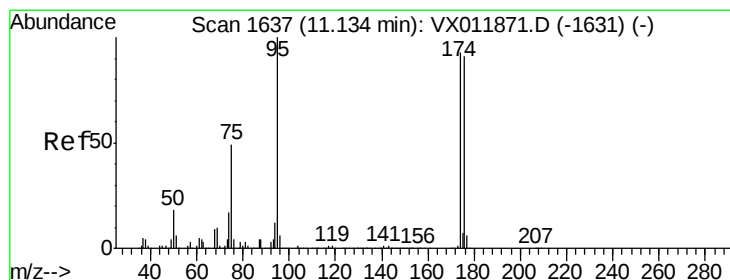
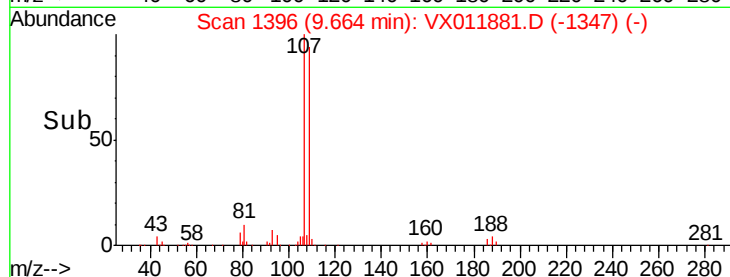
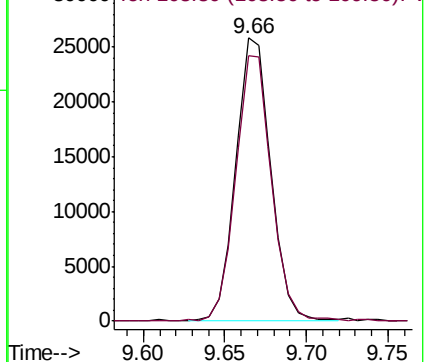
Ion Ratio Lower Upper

107 100

109 97.2 75.5 113.3



Abundance Ion 106.90 (106.60 to 107.60): V
Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 53.221 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011881.D

Acq: 28 Aug 2019 21:06

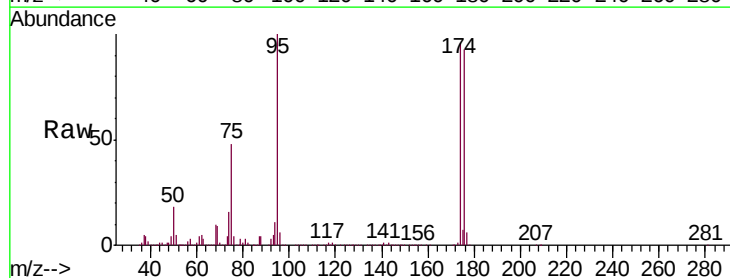
Tgt Ion: 95 Resp: 213955

Ion Ratio Lower Upper

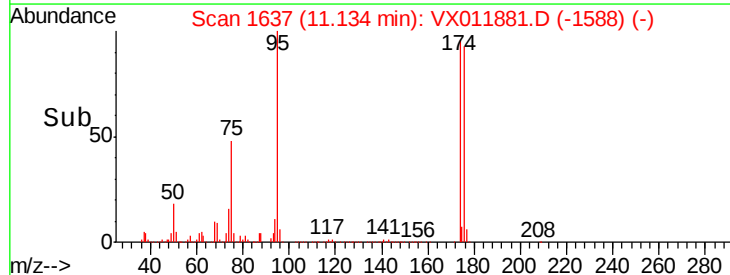
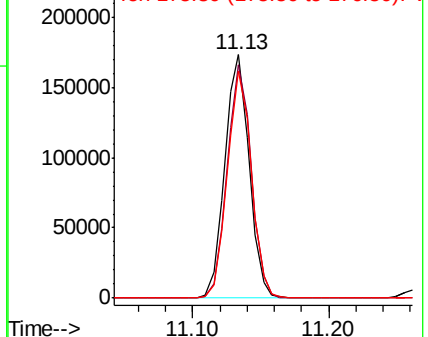
95 100

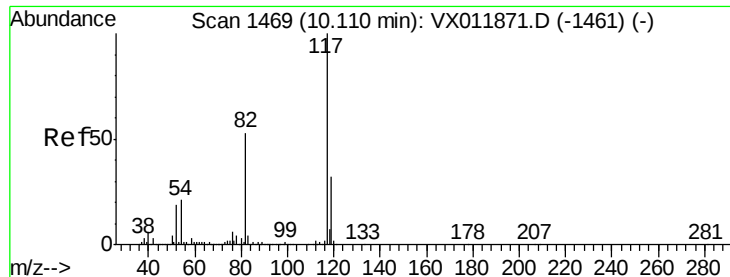
174 95.3 0.0 189.2

176 92.9 0.0 185.6



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

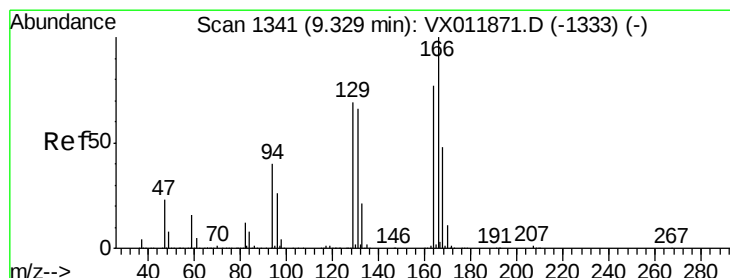
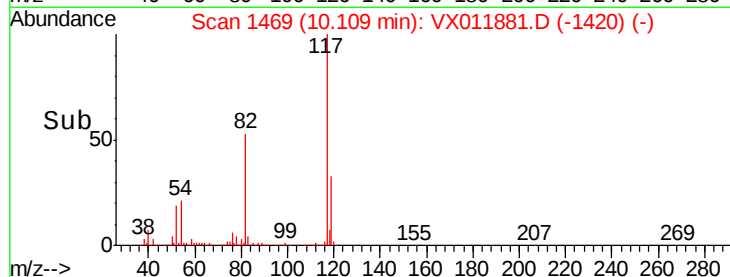
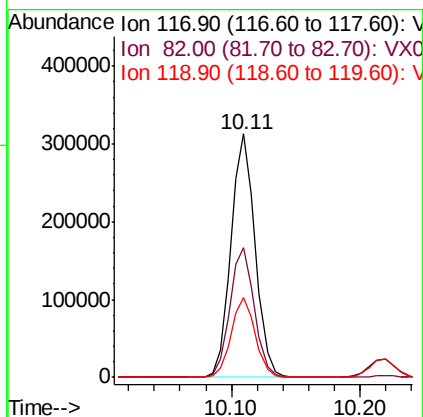
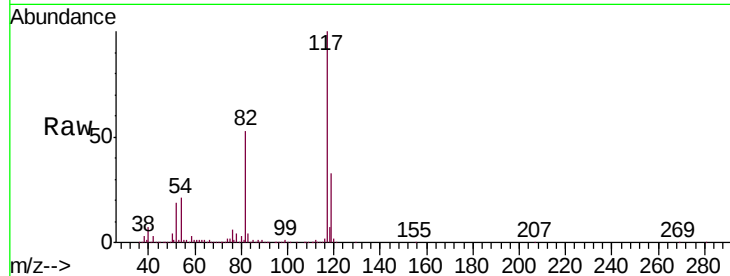




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011881.D
Acq: 28 Aug 2019 21:06

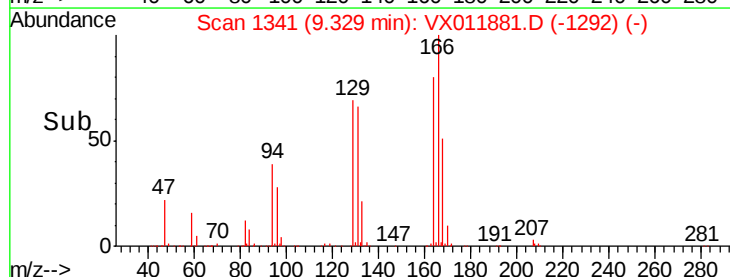
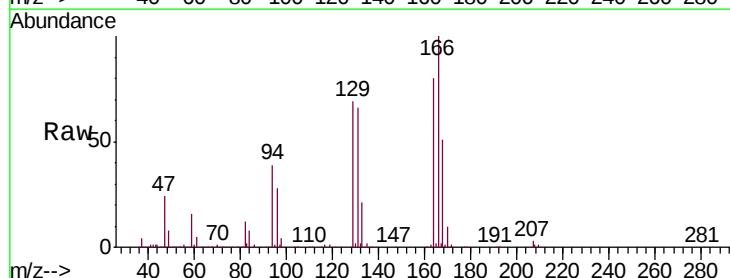
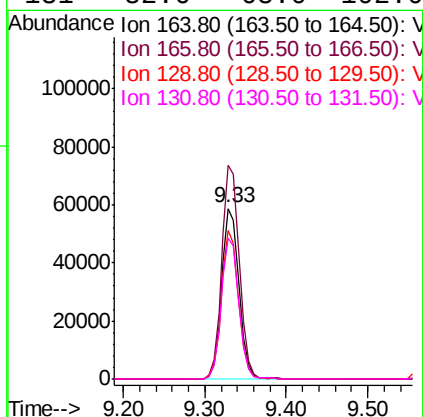
Instrument :
MSVOA_X
ClientSampleId :

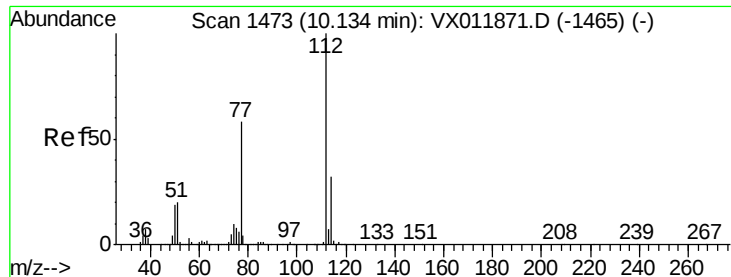
Tot Ion:117 Resp: 412055
Ion Ratio Lower Upper
117 100
82 53.4 42.4 63.6
119 32.9 25.5 38.3



#64
Tetrachloroethene
Concen: 21.600 ug/l
RT: 9.33 min Scan# 1341
Delta R.T. -0.00 min
Lab File: VX011881.D
Acq: 28 Aug 2019 21:06

Tgt Ion:164 Resp: 86612
Ion Ratio Lower Upper
164 100
166 125.0 103.6 155.4
129 86.7 71.4 107.2
131 82.6 68.0 102.0

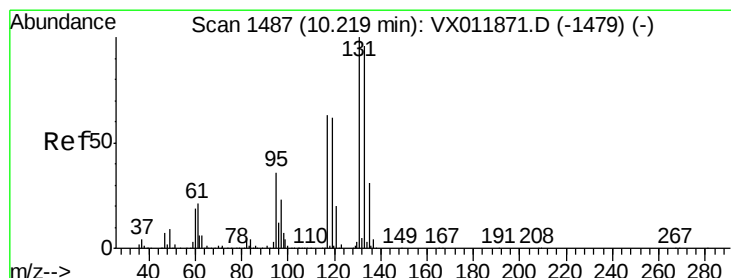
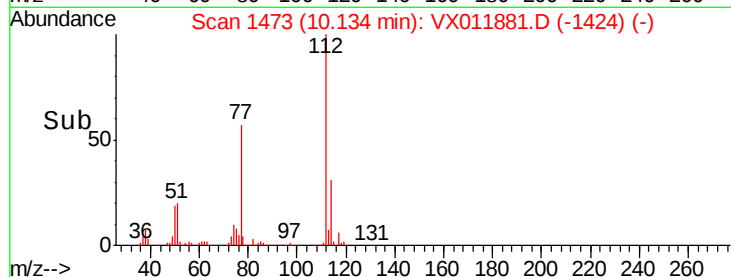
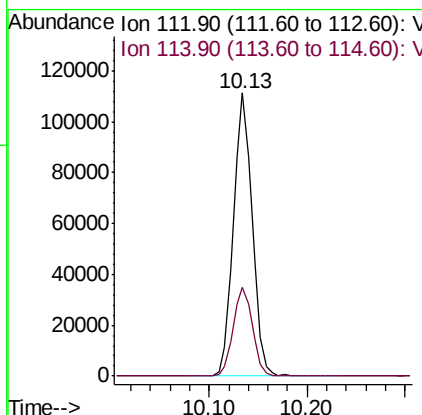
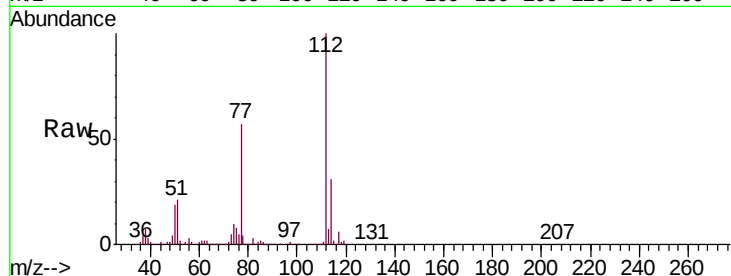




#65
Chlorobenzene
Concen: 19.438 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VX011881.D
Acq: 28 Aug 2019 21:06

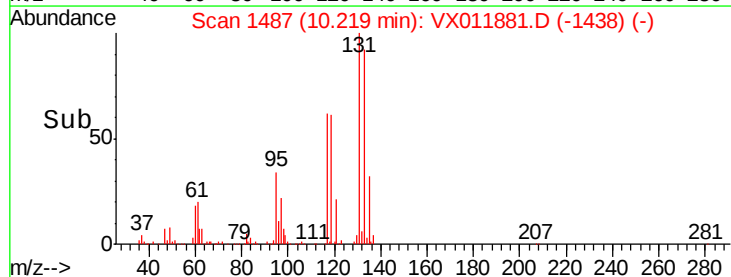
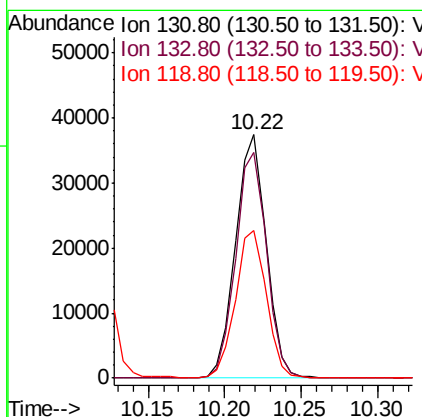
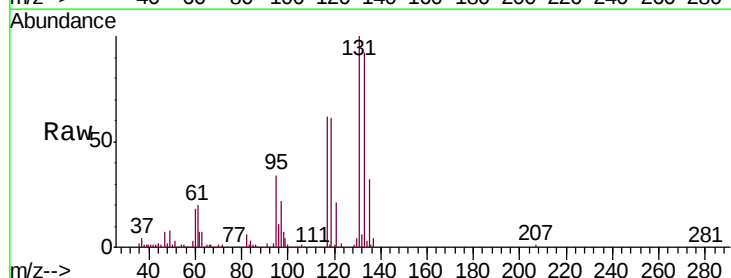
Instrument :
MSVOA_X
ClientSampleId :

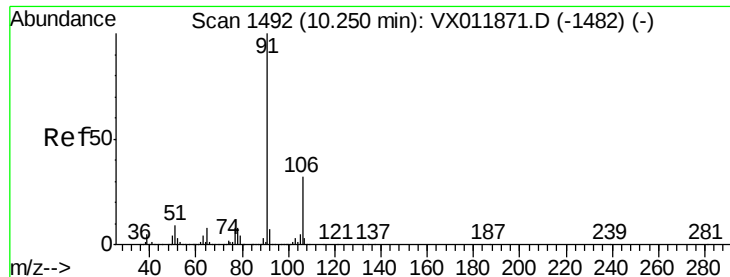
Tot Ion:112 Resp: 148332
Ion Ratio Lower Upper
112 100
114 31.4 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 18.615 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX011881.D
Acq: 28 Aug 2019 21:06

Tgt Ion:131 Resp: 52115
Ion Ratio Lower Upper
131 100
133 93.4 47.8 143.3
119 60.8 31.1 93.5





#67

Ethyl Benzene

Concen: 19.081 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX011881.D

Acq: 28 Aug 2019 21:06

Instrument :

MSVOA_X

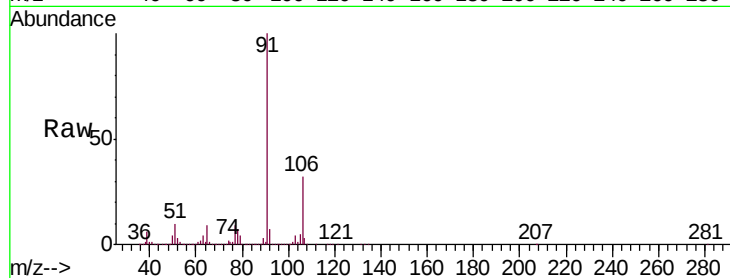
ClientSampleId :

Tot Ion: 91 Resp: 250110

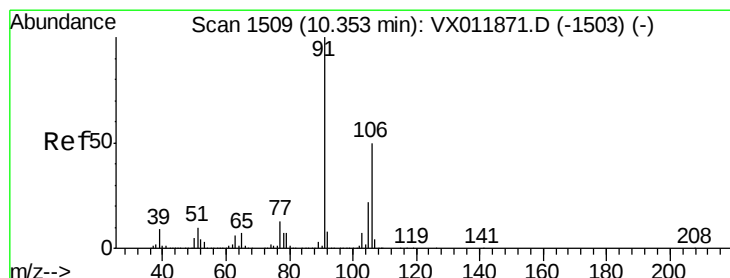
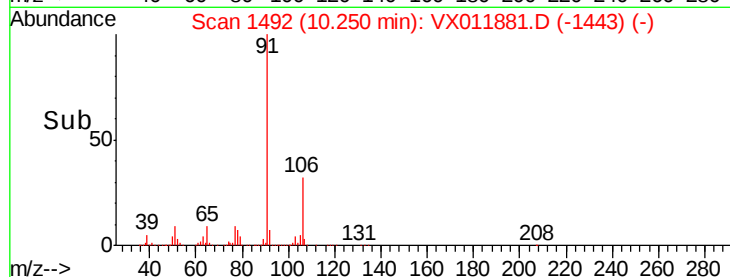
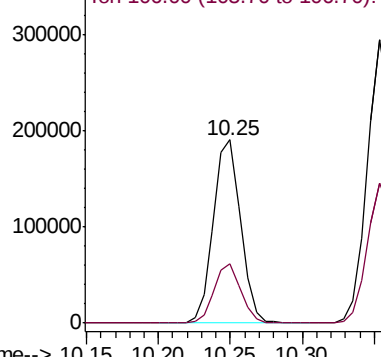
Ion Ratio Lower Upper

91 100

106 32.2 25.5 38.3



Abundance Ion 91.00 (90.70 to 91.70): VX011881.D (-1443) (-)



#68

m/p-Xylenes

Concen: 38.480 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. -0.00 min

Lab File: VX011881.D

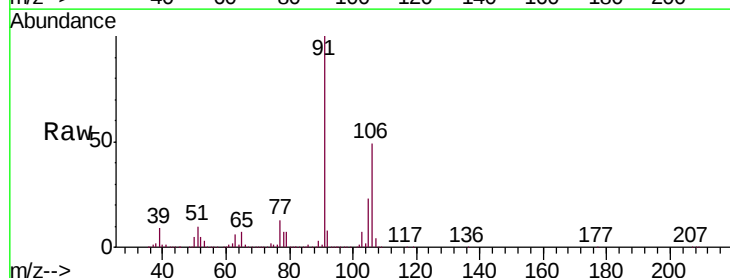
Acq: 28 Aug 2019 21:06

Tgt Ion: 106 Resp: 192001

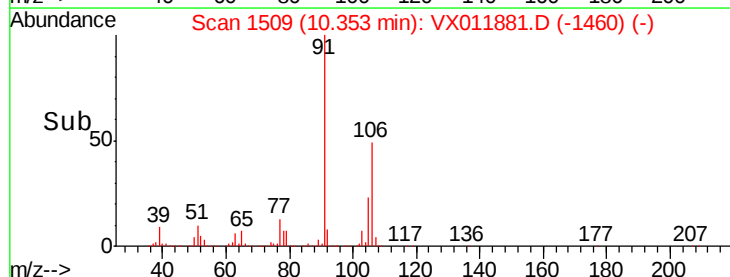
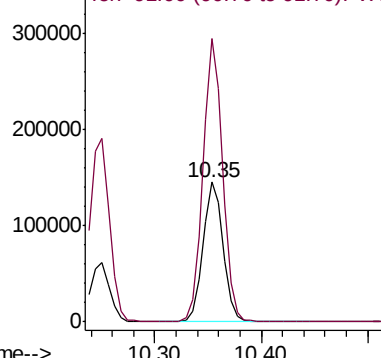
Ion Ratio Lower Upper

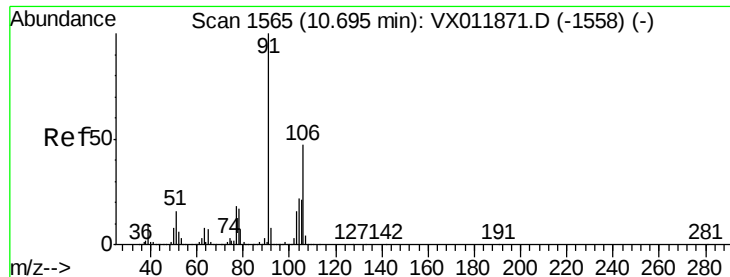
106 100

91 198.0 158.9 238.3



Abundance Ion 106.00 (105.70 to 106.70): VX011881.D (-1460) (-)





#69

o-Xylene

Concen: 19.596 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VX011881.D

Acq: 28 Aug 2019 21:06

Instrument :

MSVOA_X

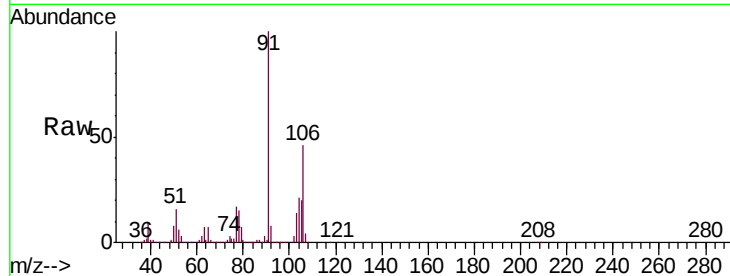
ClientSampleId :

Tot Ion:106 Resp: 92008

Ion Ratio Lower Upper

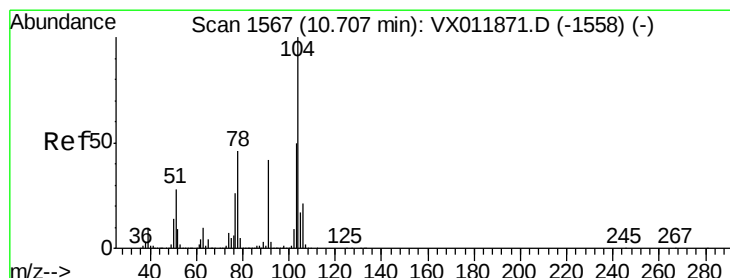
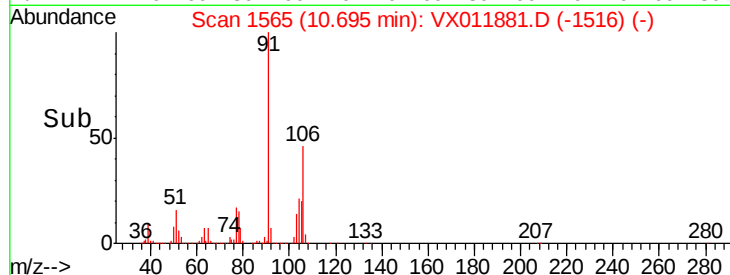
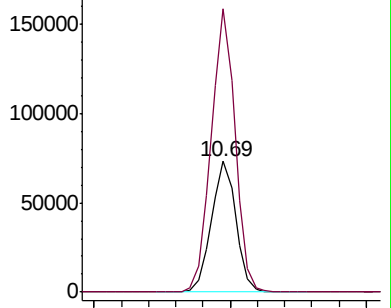
106 100

91 211.2 105.6 316.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#70

Styrene

Concen: 19.541 ug/l

RT: 10.71 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VX011881.D

Acq: 28 Aug 2019 21:06

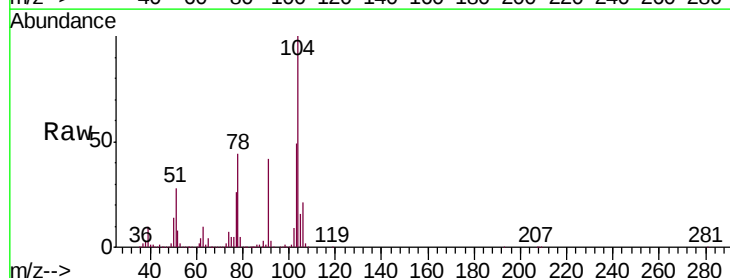
Tgt Ion:104 Resp: 151741

Ion Ratio Lower Upper

104 100

78 49.7 40.4 60.6

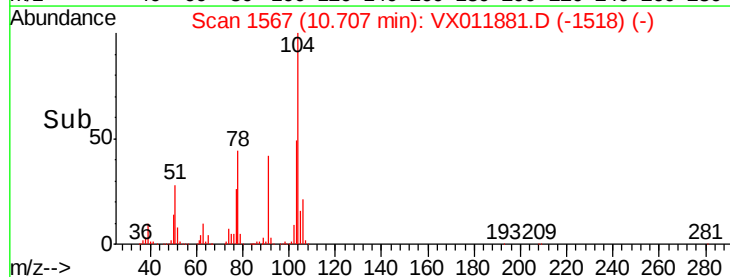
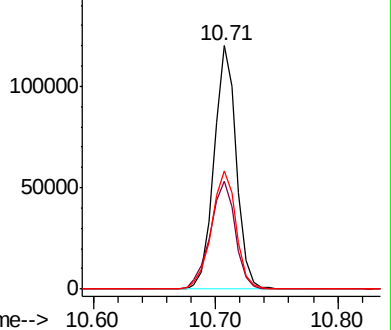
103 53.8 43.5 65.3

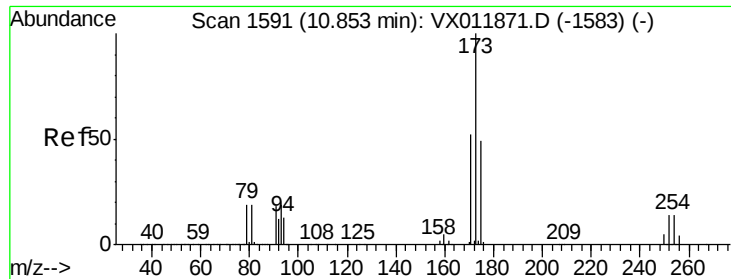


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 18.593 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX011881.D

Acq: 28 Aug 2019 21:06

Instrument :

MSVOA_X

ClientSampleId :

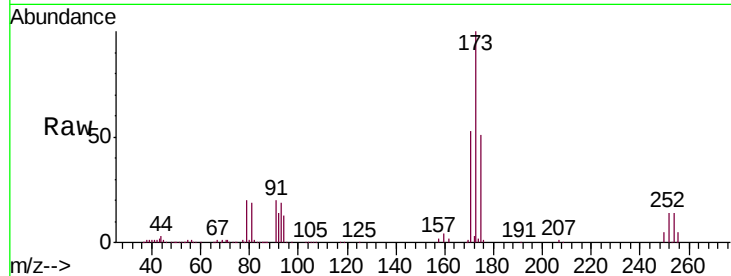
Tot Ion:173 Resp: 33728

Ion Ratio Lower Upper

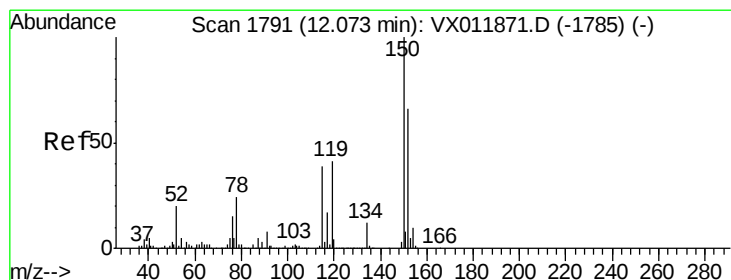
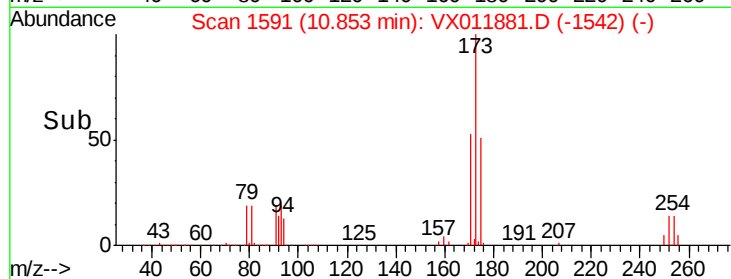
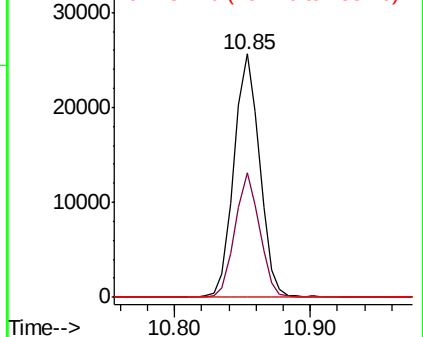
173 100

175 49.0 23.8 71.2

254 0.1 0.2 0.2#



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# 1791

Delta R.T. -0.00 min

Lab File: VX011881.D

Acq: 28 Aug 2019 21:06

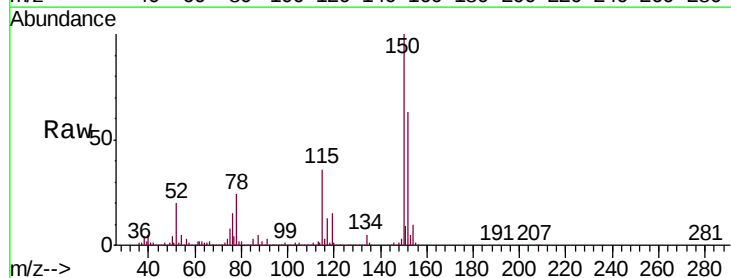
Tgt Ion:152 Resp: 228899

Ion Ratio Lower Upper

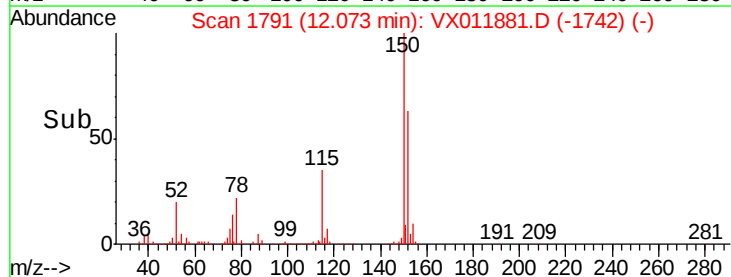
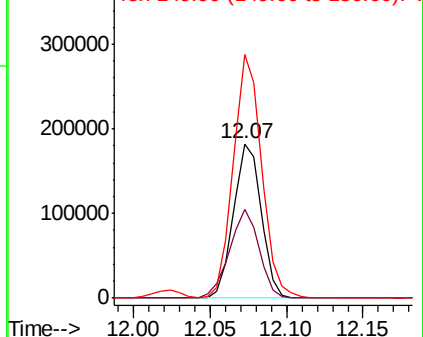
152 100

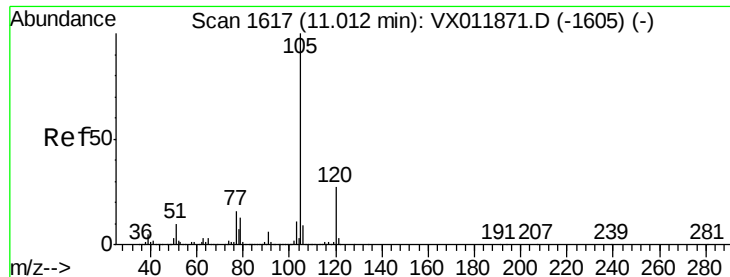
115 60.8 36.0 108.1

150 161.3 0.0 341.4



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: 18.163 ug/l

RT: 11.01 min Scan# 1617

Delta R.T. -0.00 min

Lab File: VX011881.D

Acq: 28 Aug 2019 21:06

Instrument :

MSVOA_X

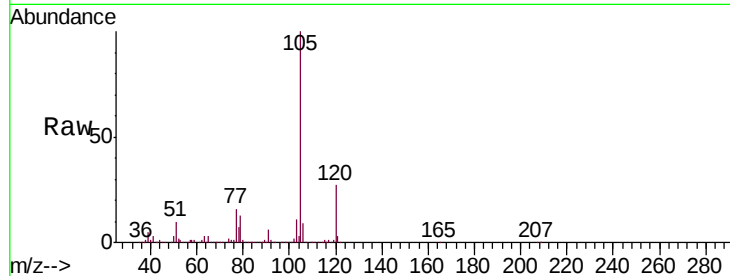
ClientSampleId :

Tot Ion:105 Resp: 240075

Ion Ratio Lower Upper

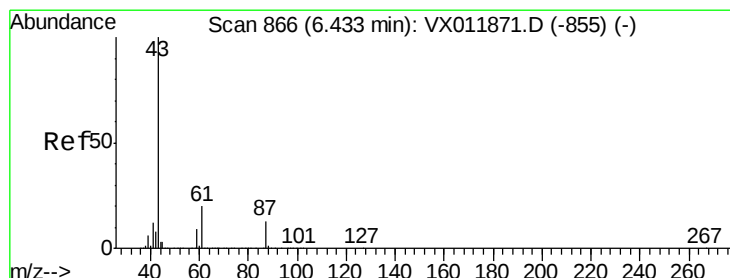
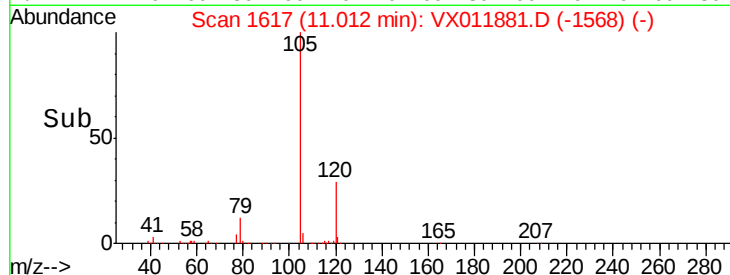
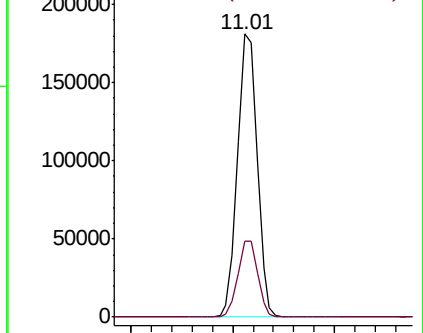
105 100

120 27.2 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.082 ug/l

RT: 6.43 min Scan# 866

Delta R.T. -0.00 min

Lab File: VX011881.D

Acq: 28 Aug 2019 21:06

Tgt Ion: 43 Resp: 60186

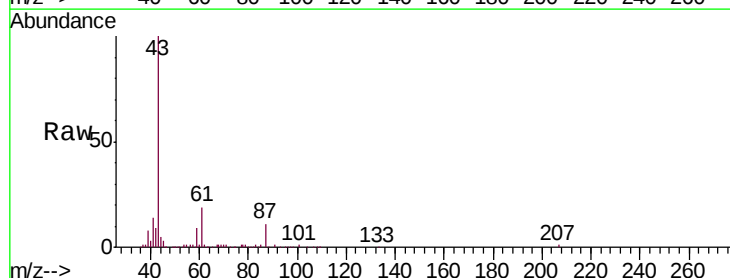
Ion Ratio Lower Upper

43 100

70 0.0 0.1 0.1#

55 0.1 0.1 0.1

61 19.8 15.6 23.4

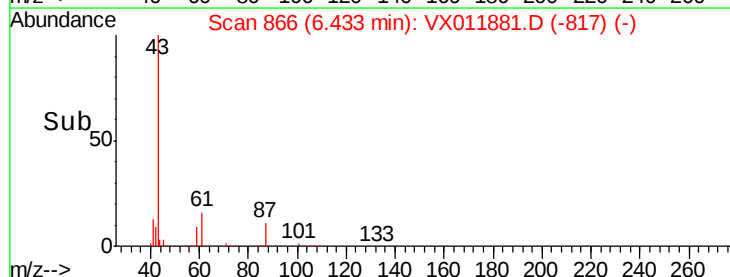
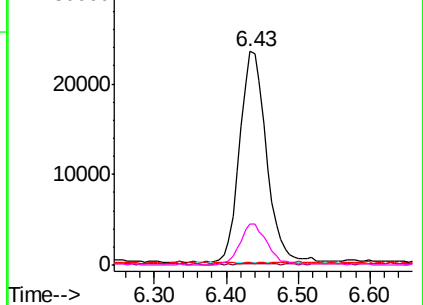


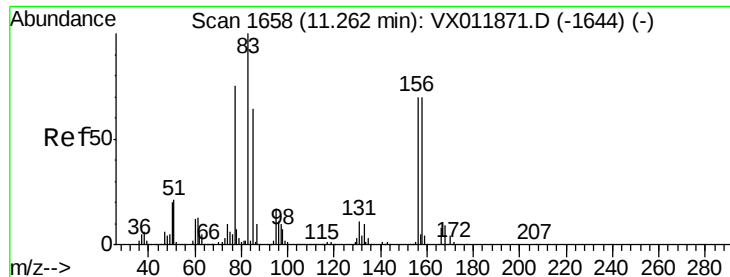
Abundance Ion 43.00 (42.70 to 43.70): VX0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 18.317 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.00 min

Lab File: VX011881.D

Acq: 28 Aug 2019 21:06

Instrument :

MSVOA_X

ClientSampleId :

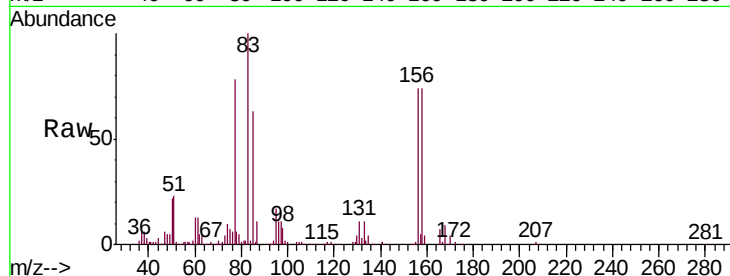
Tot Ion: 83 Resp: 40512

Ion Ratio Lower Upper

83 100

131 12.2 6.0 18.1

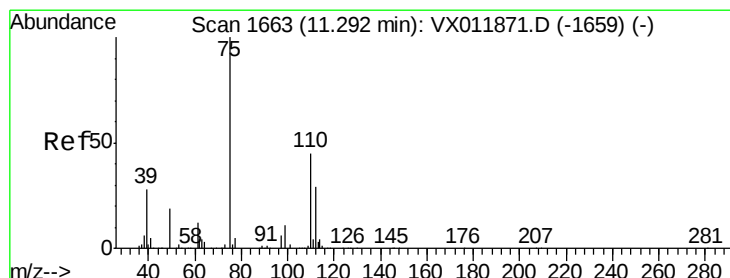
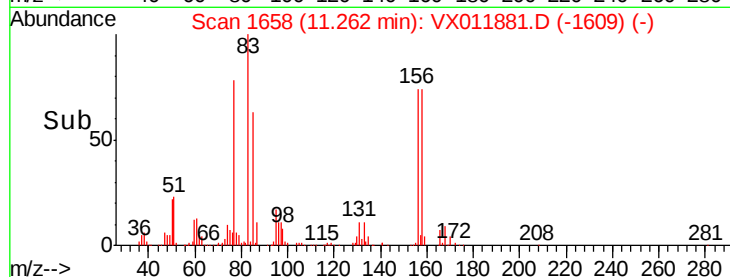
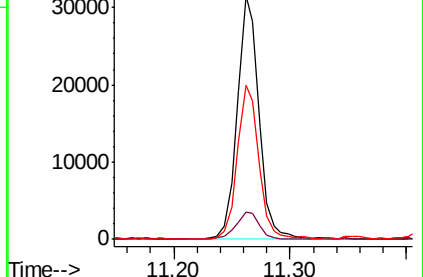
85 63.0 31.9 95.9



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: 20.650 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX011881.D

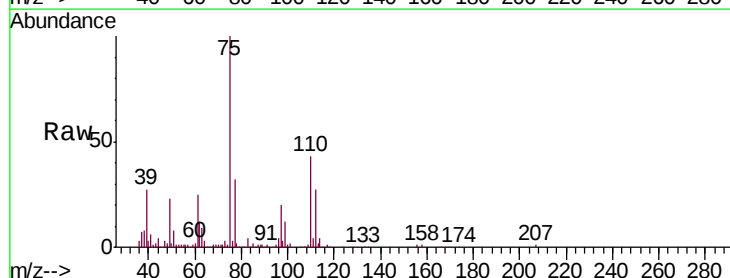
Acq: 28 Aug 2019 21:06

Tgt Ion: 75 Resp: 36306

Ion Ratio Lower Upper

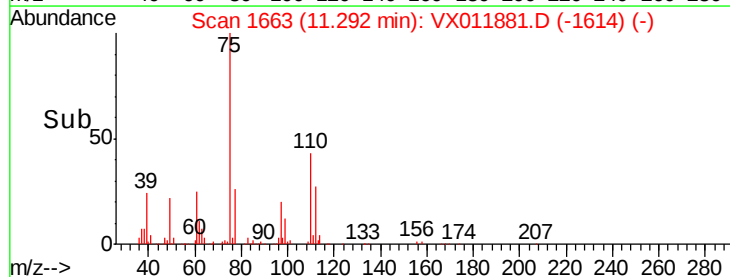
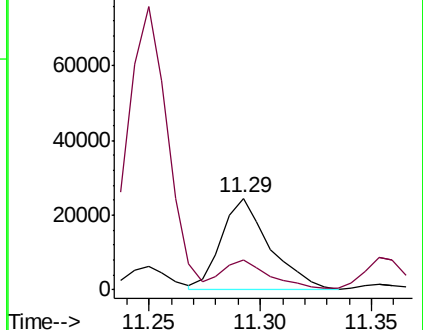
75 100

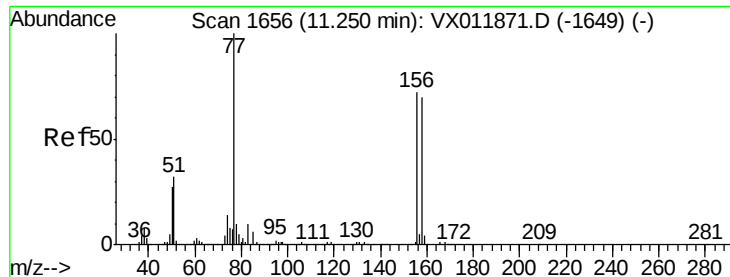
77 32.5 19.5 58.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 18.684 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.00 min

Lab File: VX011881.D

Acq: 28 Aug 2019 21:06

Instrument :

MSVOA_X

ClientSampleId :

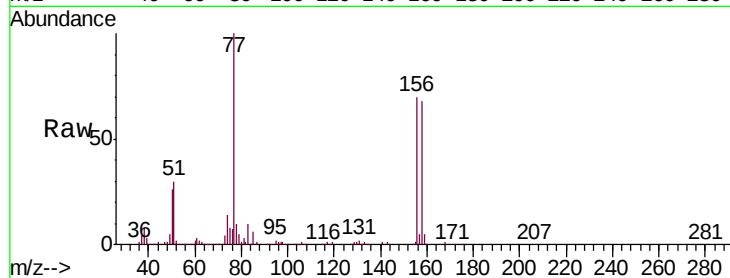
Tot Ion:156 Resp: 68848

Ion Ratio Lower Upper

156 100

77 138.1 69.4 208.2

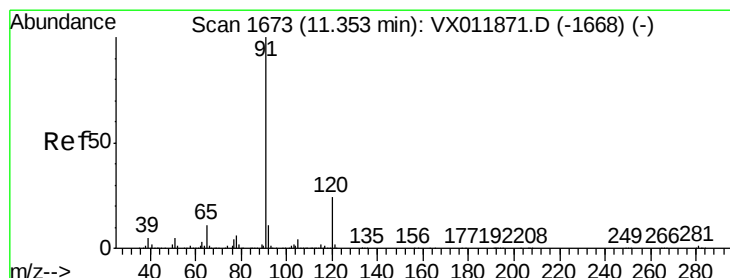
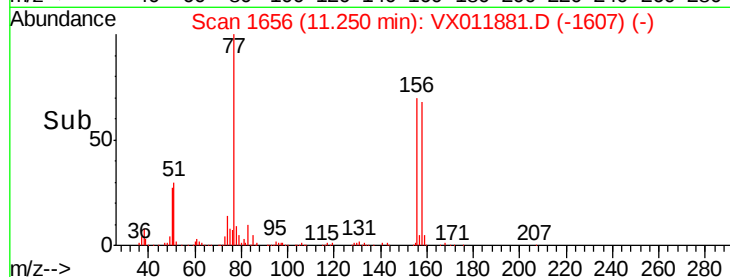
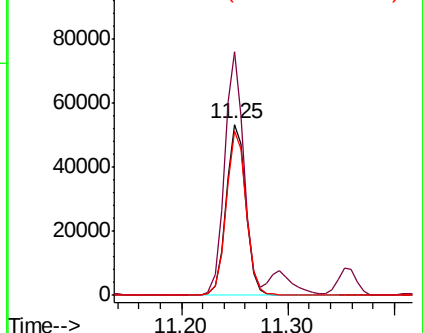
158 97.2 48.2 144.6



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: 18.126 ug/l

RT: 11.35 min Scan# 1673

Delta R.T. -0.00 min

Lab File: VX011881.D

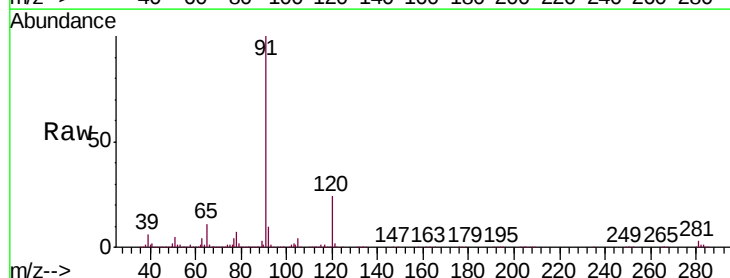
Acq: 28 Aug 2019 21:06

Tgt Ion: 91 Resp: 263554

Ion Ratio Lower Upper

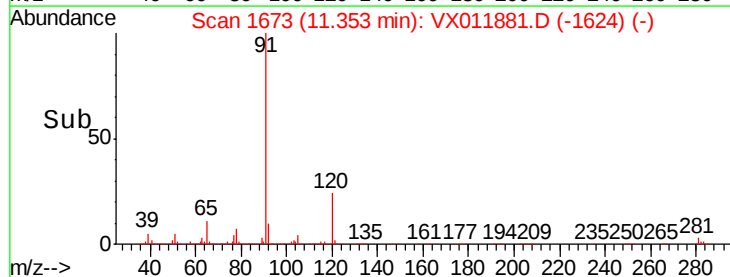
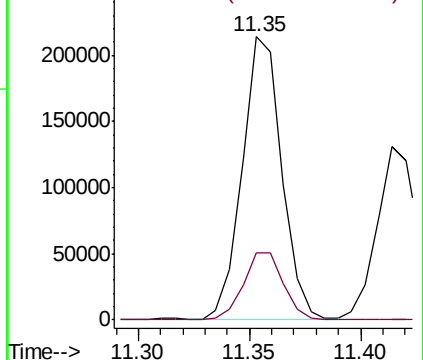
91 100

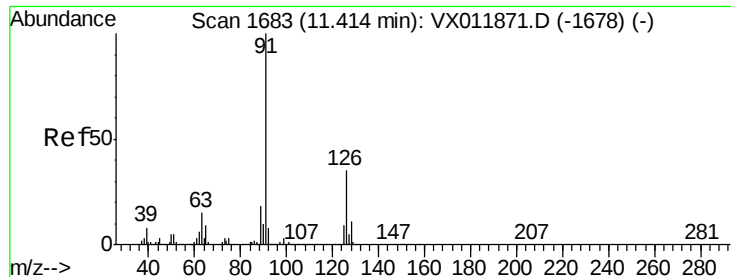
120 24.4 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

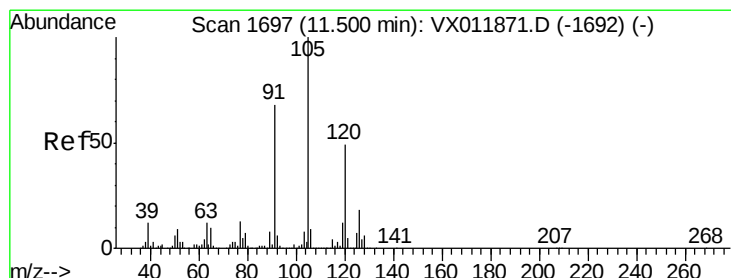
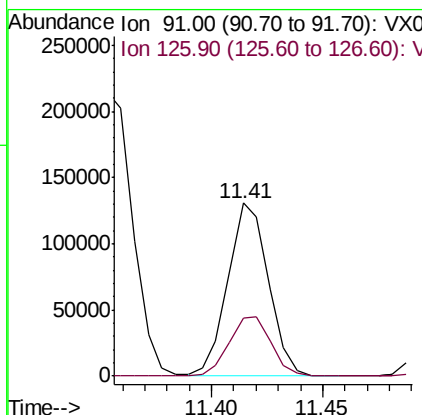
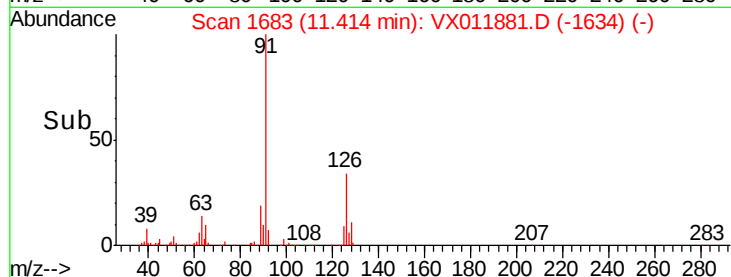
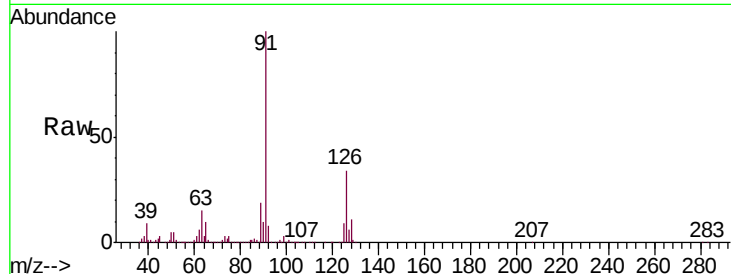




#79
 2-Chlorotoluene
 Concen: 18.097 ug/l
 RT: 11.41 min Scan# 1683
 Delta R.T. -0.00 min
 Lab File: VX011881.D
 Acq: 28 Aug 2019 21:06

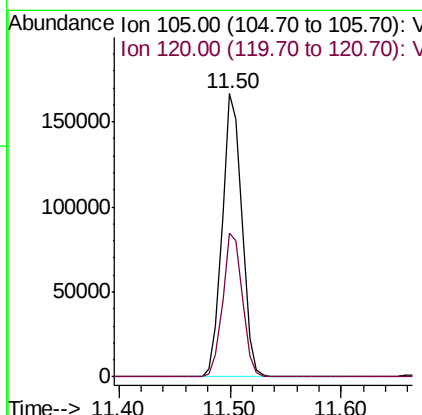
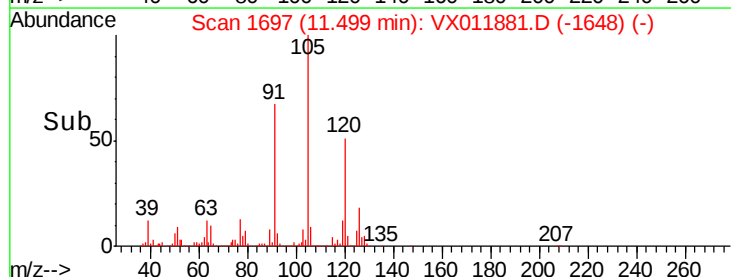
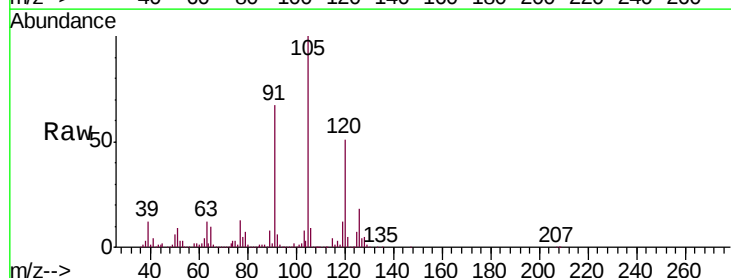
Instrument :
 MSVOA_X
 ClientSampled :

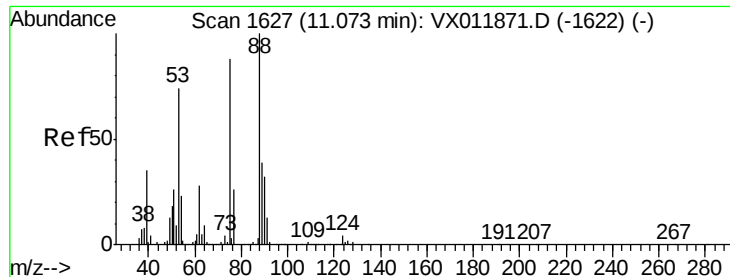
Tot Ion: 91 Resp: 164901
 Ion Ratio Lower Upper
 91 100
 126 36.1 17.9 53.7



#80
 1,3,5-Trimethylbenzene
 Concen: 18.337 ug/l
 RT: 11.50 min Scan# 1697
 Delta R.T. -0.00 min
 Lab File: VX011881.D
 Acq: 28 Aug 2019 21:06

Tgt Ion: 105 Resp: 203355
 Ion Ratio Lower Upper
 105 100
 120 50.9 24.9 74.8





#81

trans-1,4-Dichloro-2-butene

Concen: 14.704 ug/l

RT: 11.07 min Scan# 1626

Delta R.T. -0.01 min

Lab File: VX011881.D

Acq: 28 Aug 2019 21:06

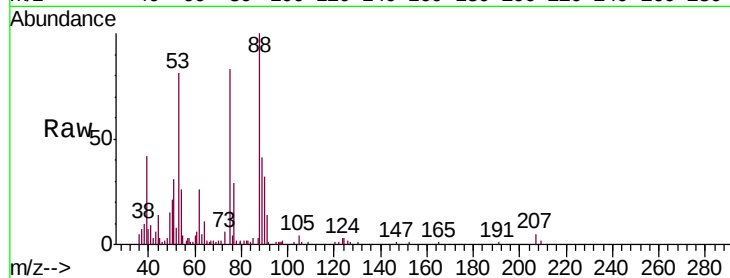
Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 7023

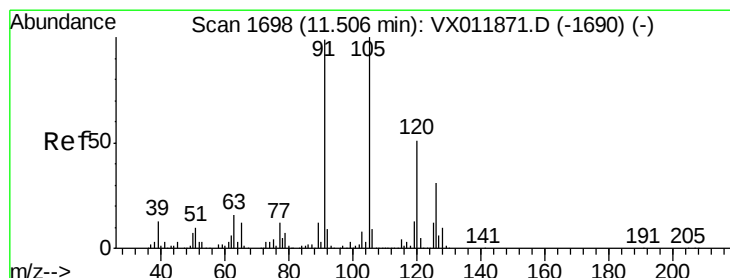
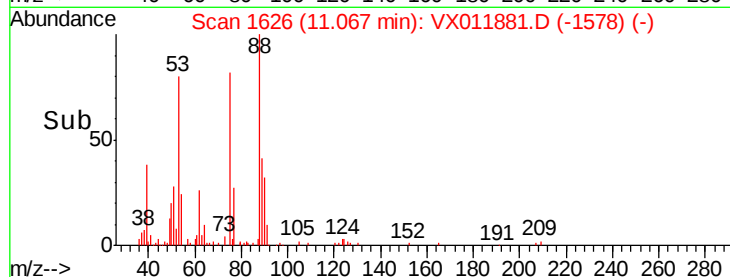
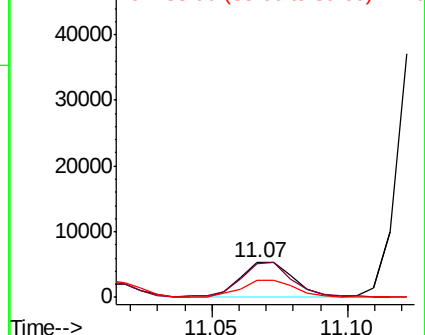
Ion	Ratio	Lower	Upper
75	100		
53	100.5	73.3	109.9
89	50.9	37.4	56.0



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: 18.323 ug/l

RT: 11.51 min Scan# 1698

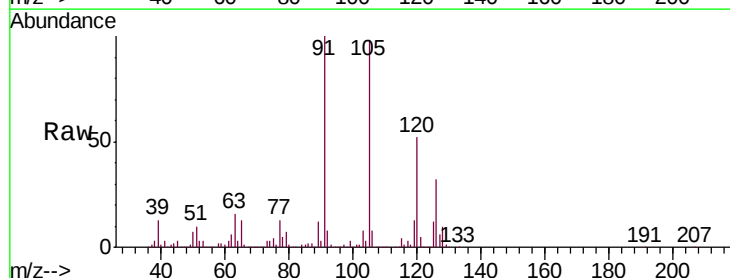
Delta R.T. -0.00 min

Lab File: VX011881.D

Acq: 28 Aug 2019 21:06

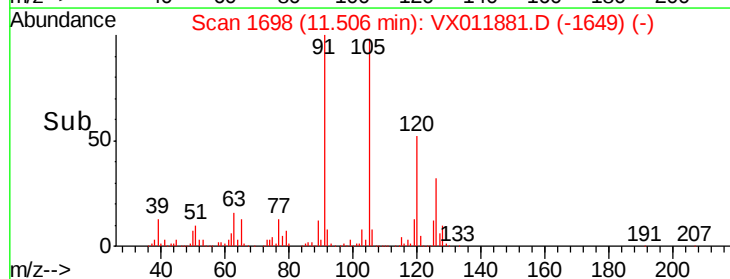
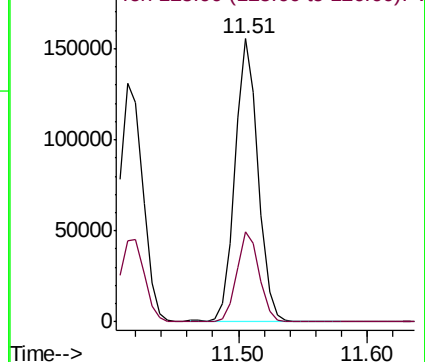
Tgt Ion: 91 Resp: 193556

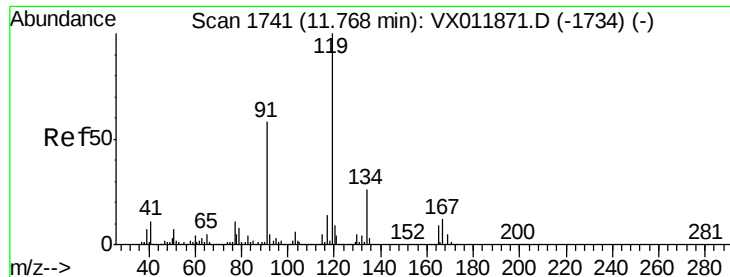
Ion	Ratio	Lower	Upper
91	100		
126	31.2	15.4	46.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

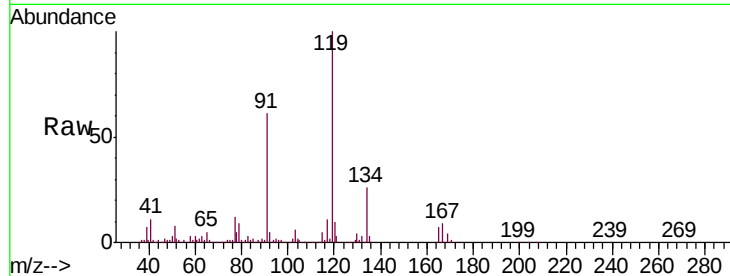




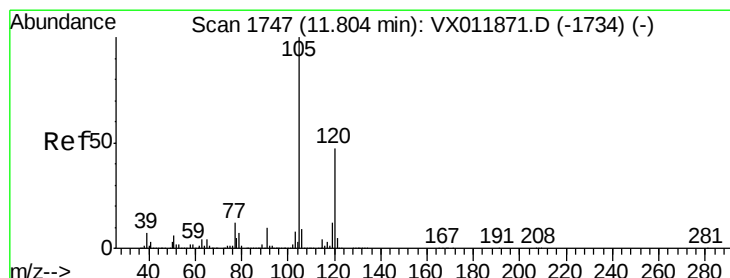
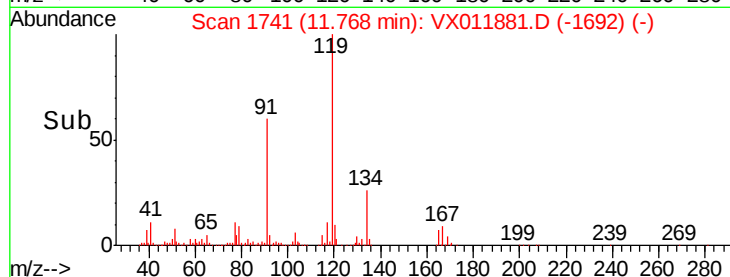
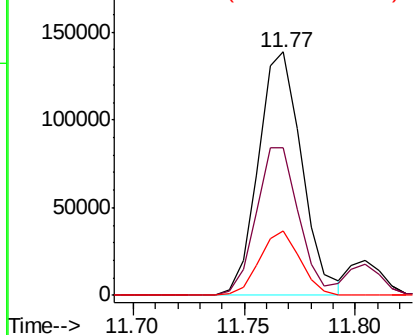
#83
tert-Butylbenzene
Concen: 18.313 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX011881.D
Acq: 28 Aug 2019 21:06

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:119 Resp: 188732
Ion Ratio Lower Upper
119 100
91 59.0 28.6 85.8
134 24.7 12.4 37.2

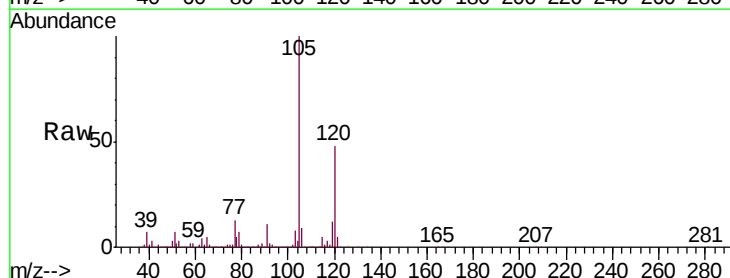


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VX0
Ion 134.00 (133.70 to 134.70): V

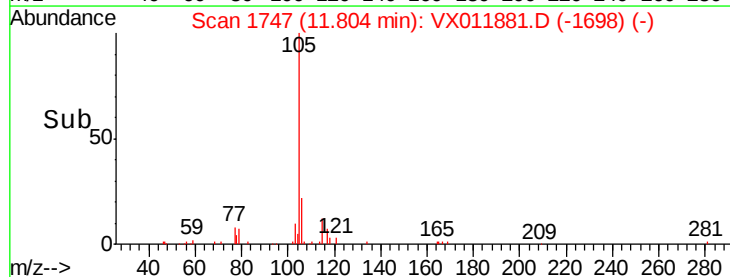
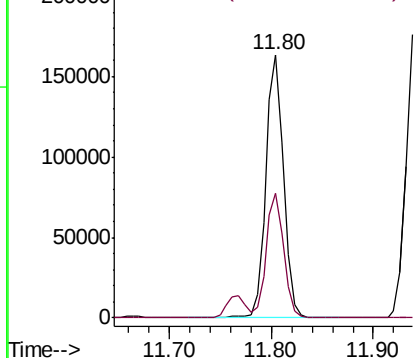


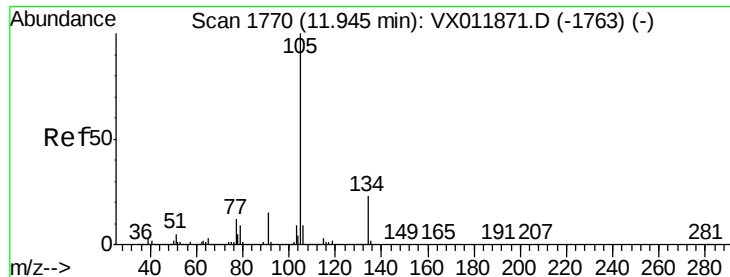
#84
1,2,4-Trimethylbenzene
Concen: 18.764 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX011881.D
Acq: 28 Aug 2019 21:06

Tgt Ion:105 Resp: 197391
Ion Ratio Lower Upper
105 100
120 46.7 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 18.869 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX011881.D

Acq: 28 Aug 2019 21:06

Instrument :

MSVOA_X

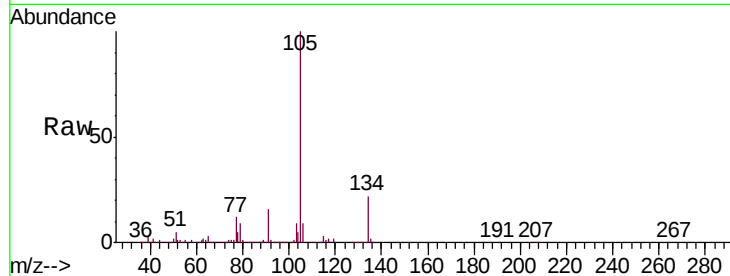
ClientSampleId :

Tot Ion:105 Resp: 225908

Ion Ratio Lower Upper

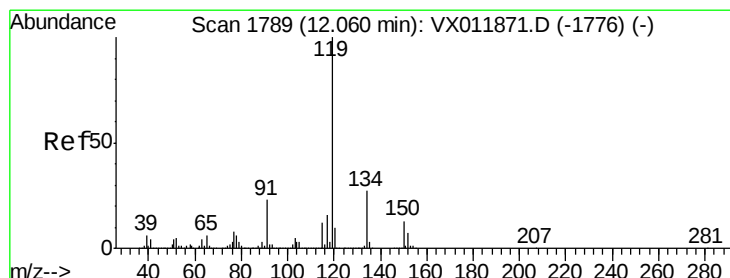
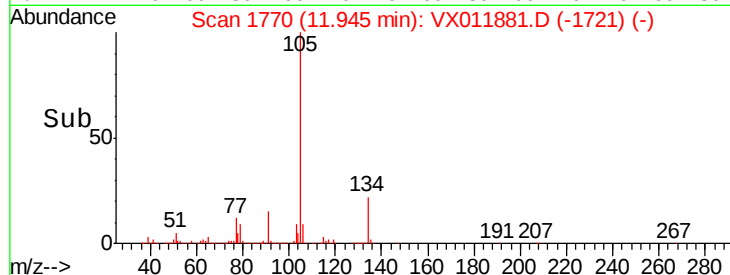
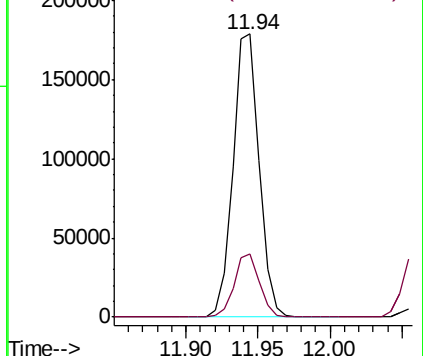
105 100

134 21.7 10.9 32.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.046 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX011881.D

Acq: 28 Aug 2019 21:06

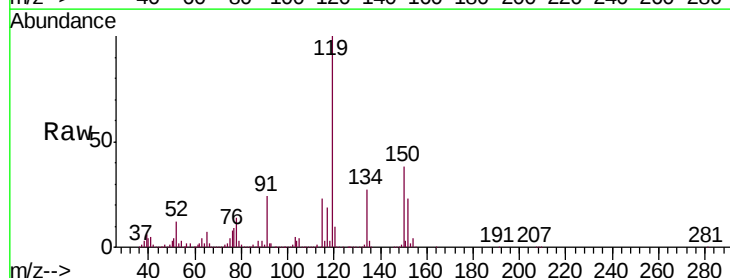
Tgt Ion:119 Resp: 210029

Ion Ratio Lower Upper

119 100

134 27.1 13.5 40.5

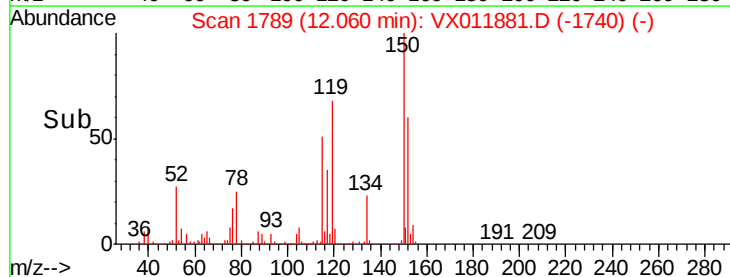
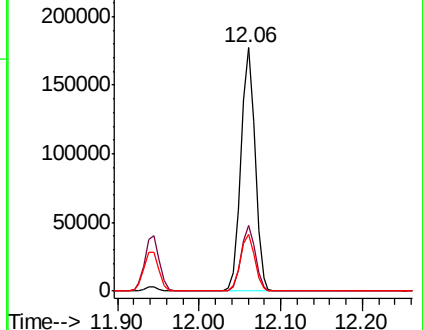
91 23.7 11.7 35.0

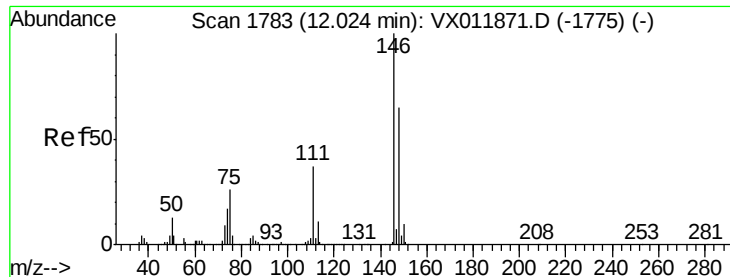


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

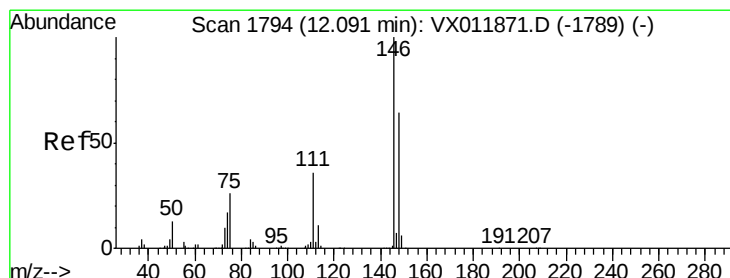
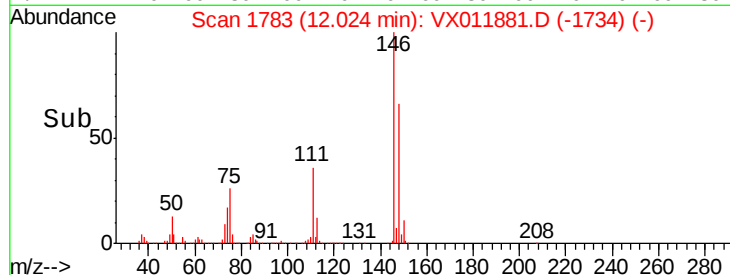
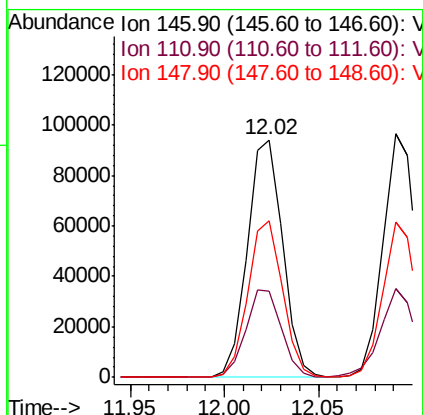
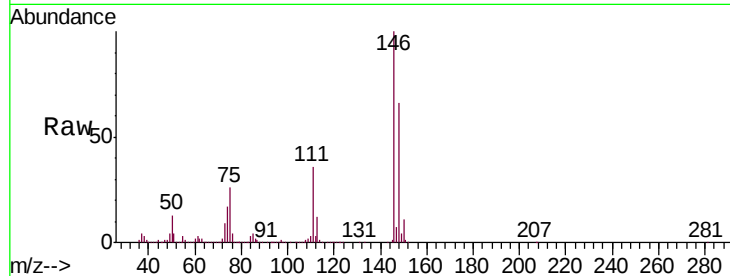




#87
 1,3-Dichlorobenzene
 Concen: 18.485 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX011881.D
 Acq: 28 Aug 2019 21:06

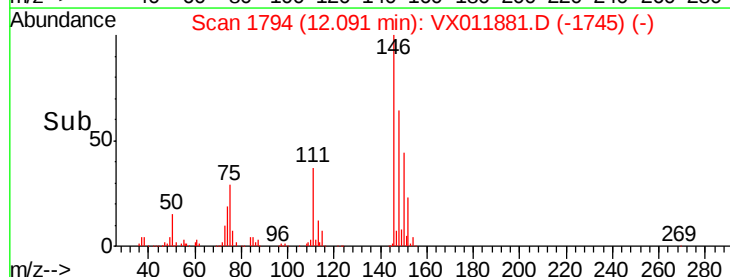
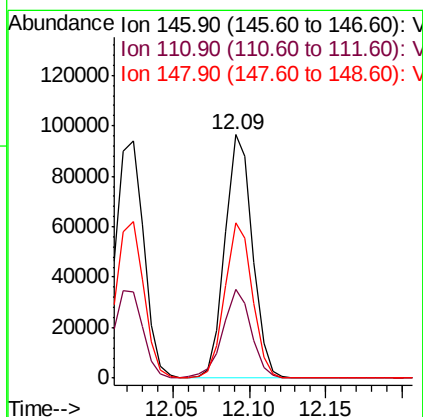
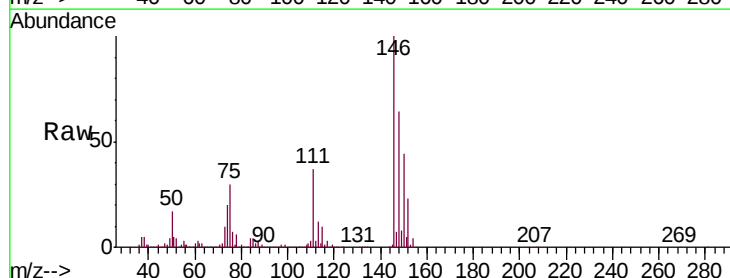
Instrument :
 MSVOA_X
 ClientSampleId :

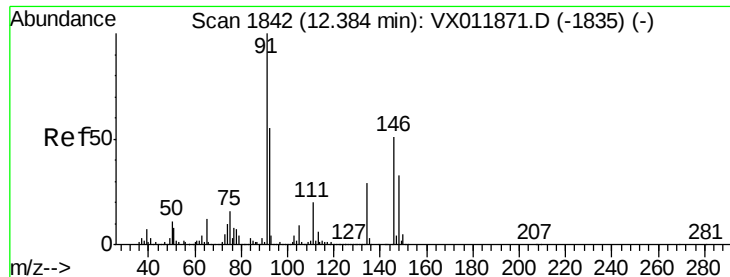
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.8	56.3
148	64.8	32.0	96.2



#88
 1,4-Dichlorobenzene
 Concen: 18.733 ug/l
 RT: 12.09 min Scan# 1794
 Delta R.T. -0.00 min
 Lab File: VX011881.D
 Acq: 28 Aug 2019 21:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.3	54.8
148	64.1	32.3	96.8

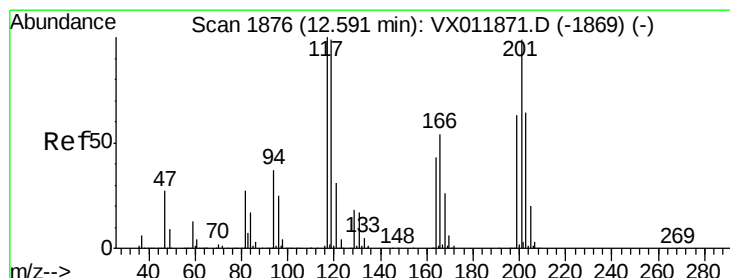
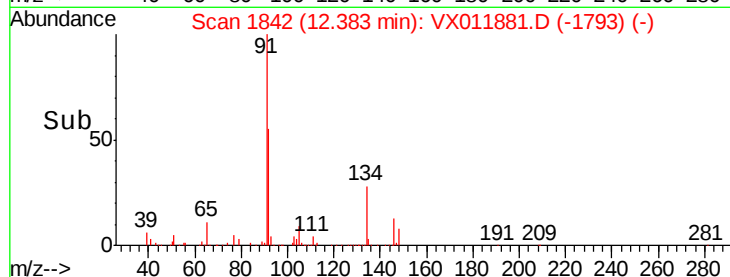
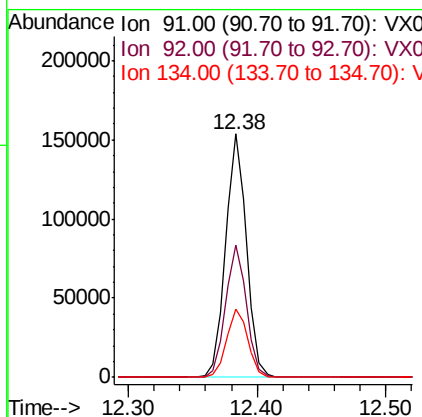
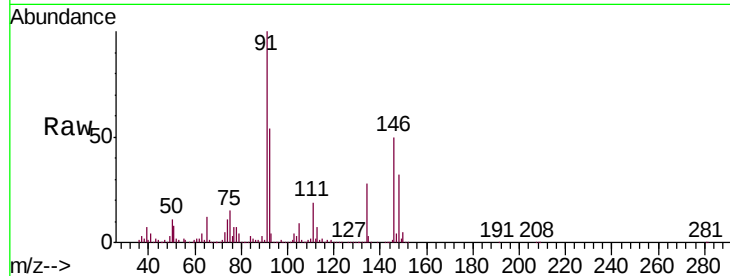




#89
n-Butylbenzene
Concen: 19.140 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX011881.D
Acq: 28 Aug 2019 21:06

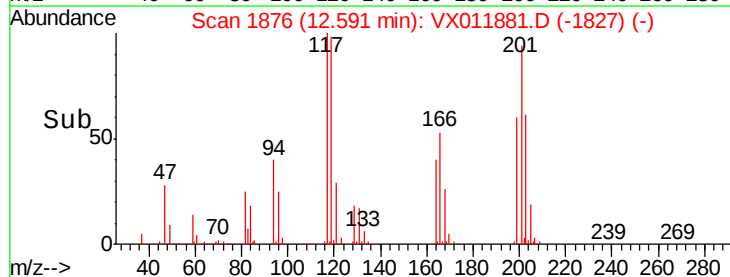
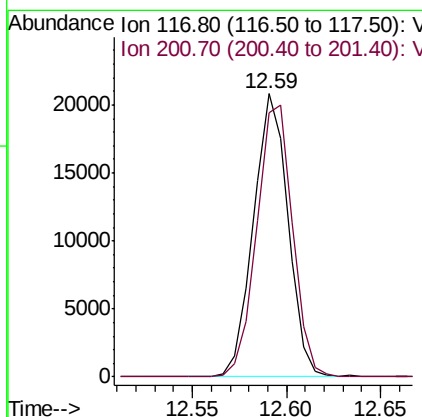
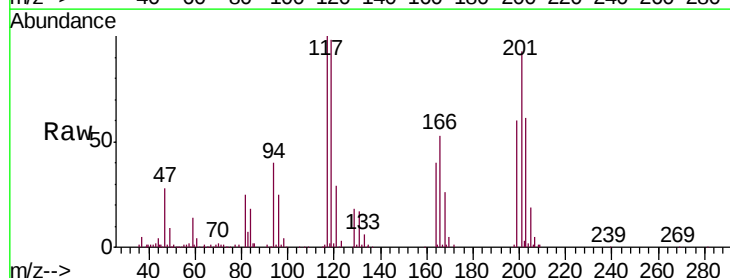
Instrument :
MSVOA_X
ClientSampleId :

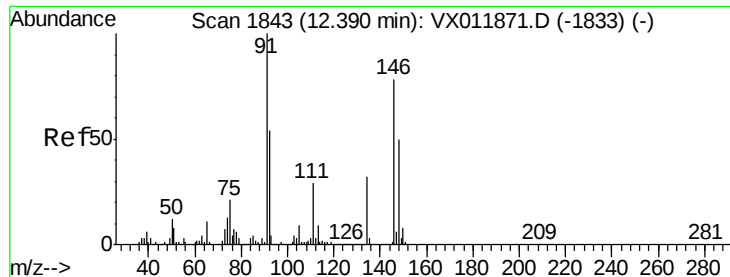
Tot Ion: 91 Resp: 175102
Ion Ratio Lower Upper
91 100
92 54.7 27.6 82.7
134 28.7 14.4 43.4



#90
Hexachloroethane
Concen: 14.971 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.00 min
Lab File: VX011881.D
Acq: 28 Aug 2019 21:06

Tgt Ion: 117 Resp: 26494
Ion Ratio Lower Upper
117 100
201 99.6 51.0 153.1





#91

1,2-Dichlorobenzene

Concen: 19.337 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX011881.D

Acq: 28 Aug 2019 21:06

Instrument :

MSVOA_X

ClientSampleId :

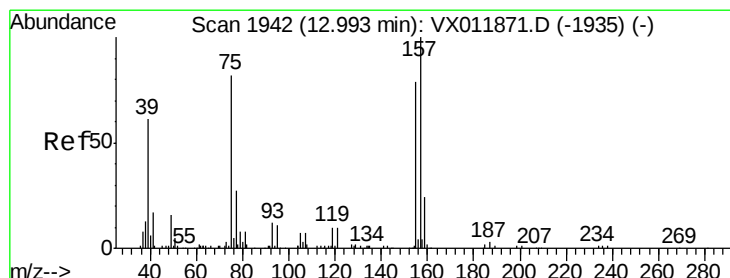
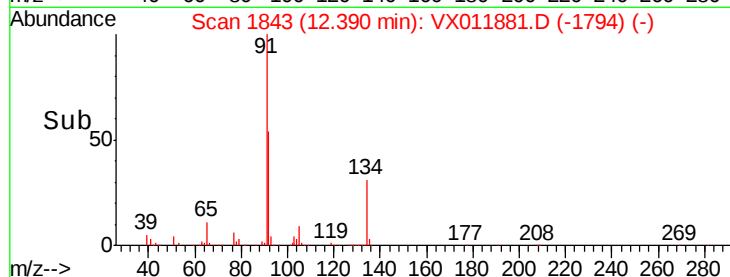
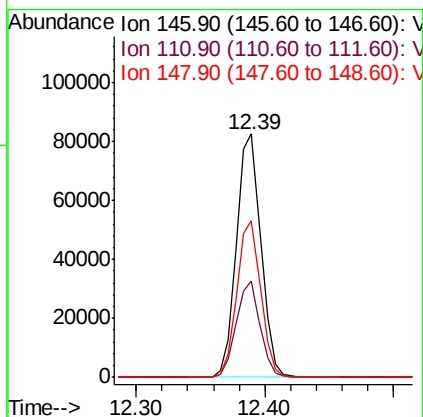
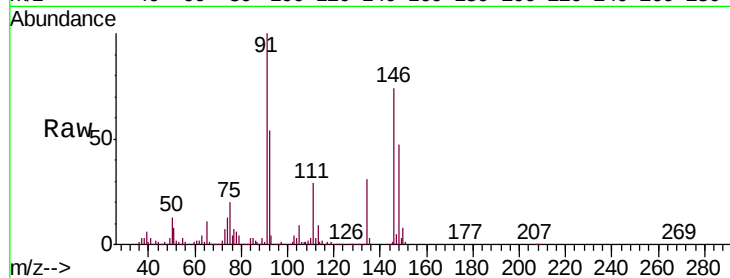
Tot Ion:146 Resp: 109232

Ion Ratio Lower Upper

146 100

111 38.9 19.3 57.9

148 62.9 32.0 96.0



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.655 ug/l

RT: 12.99 min Scan# 1942

Delta R.T. -0.00 min

Lab File: VX011881.D

Acq: 28 Aug 2019 21:06

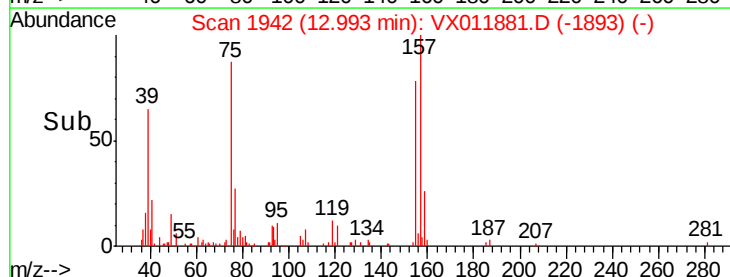
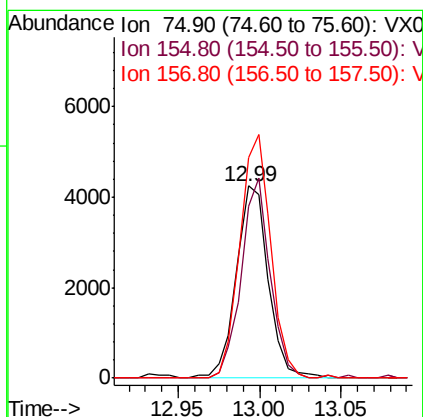
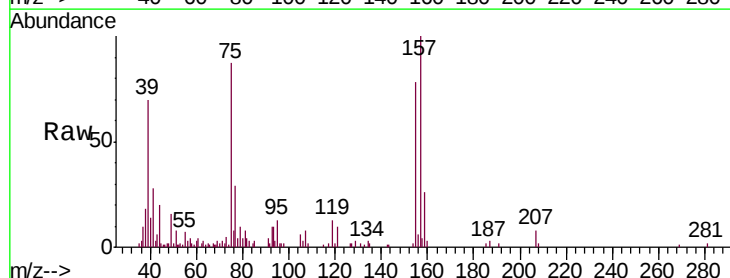
Tgt Ion: 75 Resp: 5809

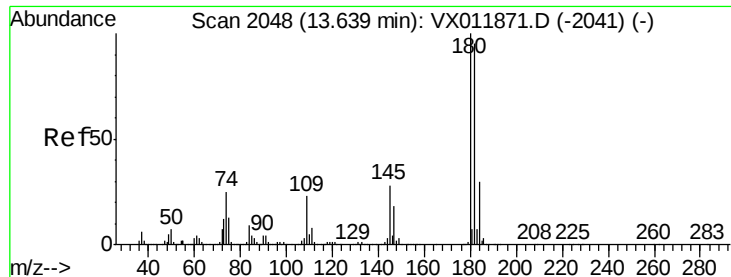
Ion Ratio Lower Upper

75 100

155 93.7 50.3 150.9

157 121.7 64.7 194.1

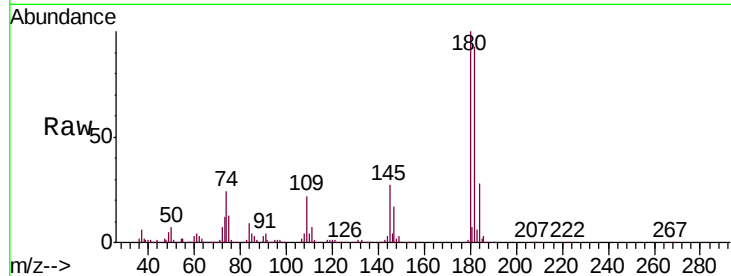




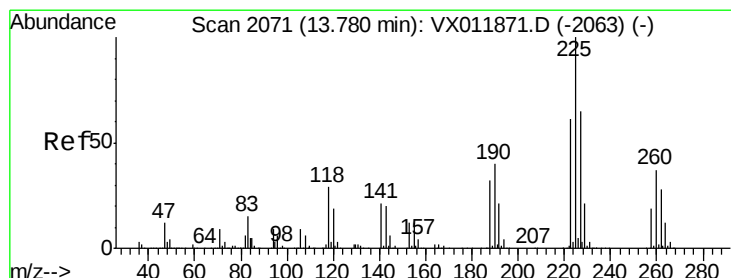
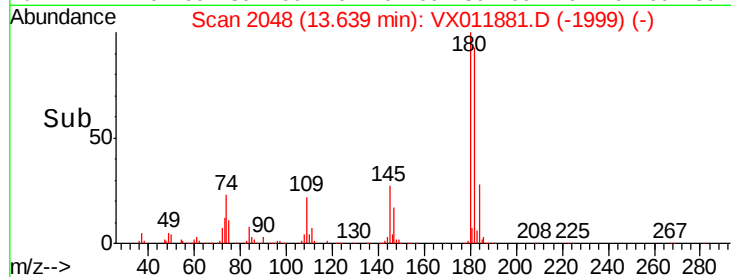
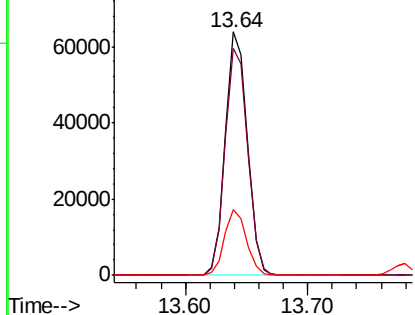
#93
 1,2,4-Trichlorobenzene
 Concen: 20.321 ug/l
 RT: 13.64 min Scan# 2048
 Delta R.T. -0.00 min
 Lab File: VX011881.D
 Acq: 28 Aug 2019 21:06

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:180 Resp: 79664
 Ion Ratio Lower Upper
 180 100
 182 95.7 47.9 143.7
 145 27.0 13.8 41.4

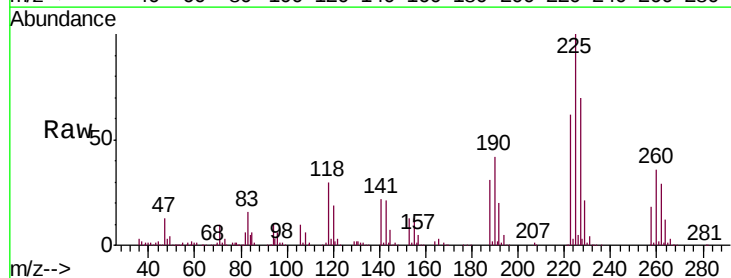


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

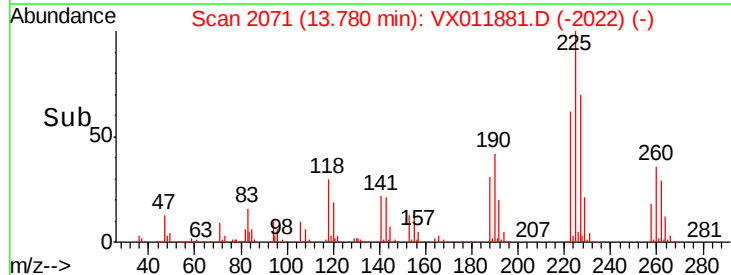
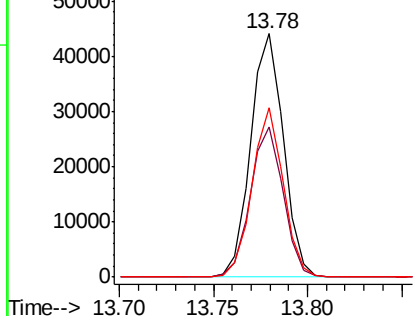


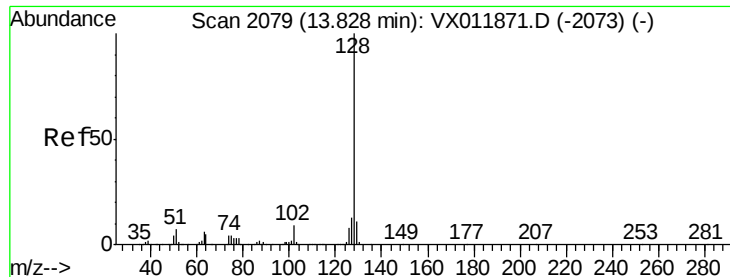
#94
 Hexachlorobutadiene
 Concen: 18.587 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX011881.D
 Acq: 28 Aug 2019 21:06

Tgt Ion:225 Resp: 53129
 Ion Ratio Lower Upper
 225 100
 223 61.8 30.9 92.8
 227 66.4 32.5 97.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 22.693 ug/l

RT: 13.83 min Scan# 2079

Delta R.T. -0.00 min

Lab File: VX011881.D

Acq: 28 Aug 2019 21:06

Instrument :

MSVOA_X

ClientSampled :

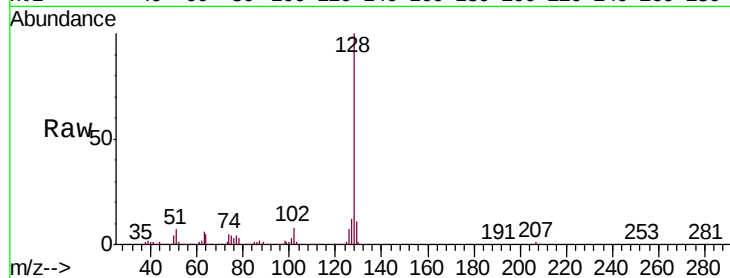
Tot Ion:128 Resp: 106965

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

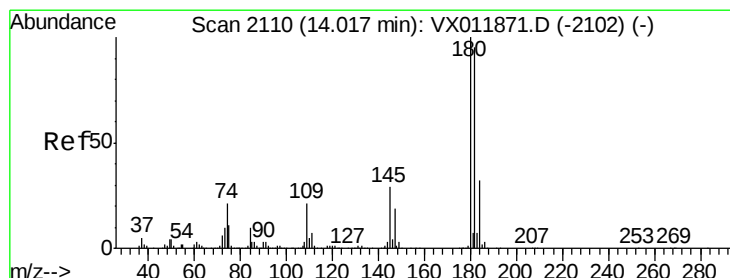
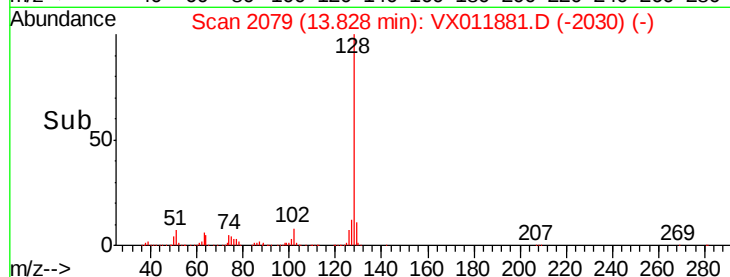
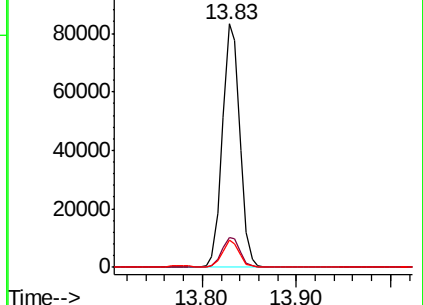
129 10.6 9.0 13.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.876 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX011881.D

Acq: 28 Aug 2019 21:06

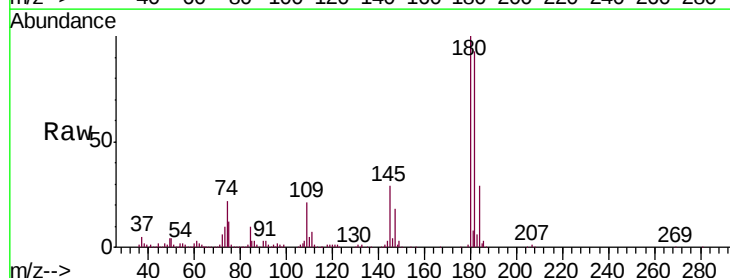
Tgt Ion:180 Resp: 69586

Ion Ratio Lower Upper

180 100

182 93.9 47.9 143.7

145 28.5 14.9 44.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

