

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091619\
 Data File : VX012421.D
 Acq On : 16 Sep 2019 21:25
 Operator : JC/SP
 Sample : K4830-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SB-0278

Quant Time: Sep 17 04:57:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 04:36:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	118155	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	191045	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	178280	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	103832	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	117198	48.41	ug/l	0.00
Spiked Amount			Recovery	=	96.82%	
35) Dibromofluoromethane	5.49	113	83421	45.08	ug/l	0.00
Spiked Amount			Recovery	=	90.16%	
50) Toluene-d8	8.71	98	309200	47.08	ug/l	0.00
Spiked Amount			Recovery	=	94.16%	
62) 4-Bromofluorobenzene	11.14	95	126101	45.64	ug/l	0.00
Spiked Amount			Recovery	=	91.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.14	85	26	0.510	ug/l #	42
3) Chloromethane	1.32	50	1034	1.140	ug/l	95
5) Bromomethane	1.64	94	373	0.884	ug/l #	56
6) Chloroethane	1.62	64	1912	2.913	ug/l #	50
10) Methyl Iodide	2.50	142	359	0.287	ug/l #	85
11) Tert butyl alcohol	3.02	59	3385	5.541	ug/l #	72
13) Acrolein	2.39	56	5300	20.134	ug/l	86
14) Allyl chloride	2.84	41	16522	6.948	ug/l #	73
15) Acrylonitrile	3.17	53	5206	5.152	ug/l #	41
16) Acetone	2.44	43	5629	5.177	ug/l	90
17) Carbon Disulfide	2.56	76	638	1.912	ug/l #	25
18) Methyl Acetate	2.83	43	41780	17.255	ug/l #	53
20) Methylene Chloride	2.84	84	794	0.535	ug/l #	41
25) 2-Butanone	4.69	43	1256	0.811	ug/l #	78
29) Tetrahydrofuran	5.13	42	267	0.297	ug/l #	33
31) Cyclohexane	5.57	56	140102	84.230	ug/l	99
36) 1,1-Dichloropropene	5.65	75	9936	5.628	ug/l #	48
38) Carbon Tetrachloride	5.65	117	13049	6.057	ug/l #	15
39) Methylcyclohexane	7.46	83	321598	189.648	ug/l	98
40) Benzene	6.14	78	275721	50.684	ug/l	97
43) Isopropyl Acetate	6.45	43	6468	1.387	ug/l #	65
45) 1,2-Dichloropropane	7.46	63	3997	2.404	ug/l #	1
48) Methyl methacrylate	7.73	41	21366	10.418	ug/l #	57
49) 1,4-Dioxane	7.95	88	21	0.395	ug/l #	23
51) 4-Methyl-2-Pentanone	8.66	43	8759	2.898	ug/l #	49
52) Toluene	8.78	92	1583	0.447	ug/l	97
55) 1,1,2-Trichloroethane	9.16	97	36735	19.742	ug/l #	19
56) Ethyl methacrylate	9.16	69	8639	3.086	ug/l #	1
60) Dibromochloromethane	9.33	129	26	1.755	ug/l #	11
67) Ethyl Benzene	10.25	91	117486	16.539	ug/l	98
68) m/p-Xylenes	10.36	106	3369	1.285	ug/l	97
69) o-Xylene	10.70	106	1337	0.492	ug/l	98
71) Bromoform	10.85	173	22	2.077	ug/l #	29
73) Isopropylbenzene	11.01	105	25709	3.564	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091619\
 Data File : VX012421.D
 Acq On : 16 Sep 2019 21:25
 Operator : JC/SP
 Sample : K4830-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SB-0278

Quant Time: Sep 17 04:57:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 04:36:38 2019
 Response via : Initial Calibration

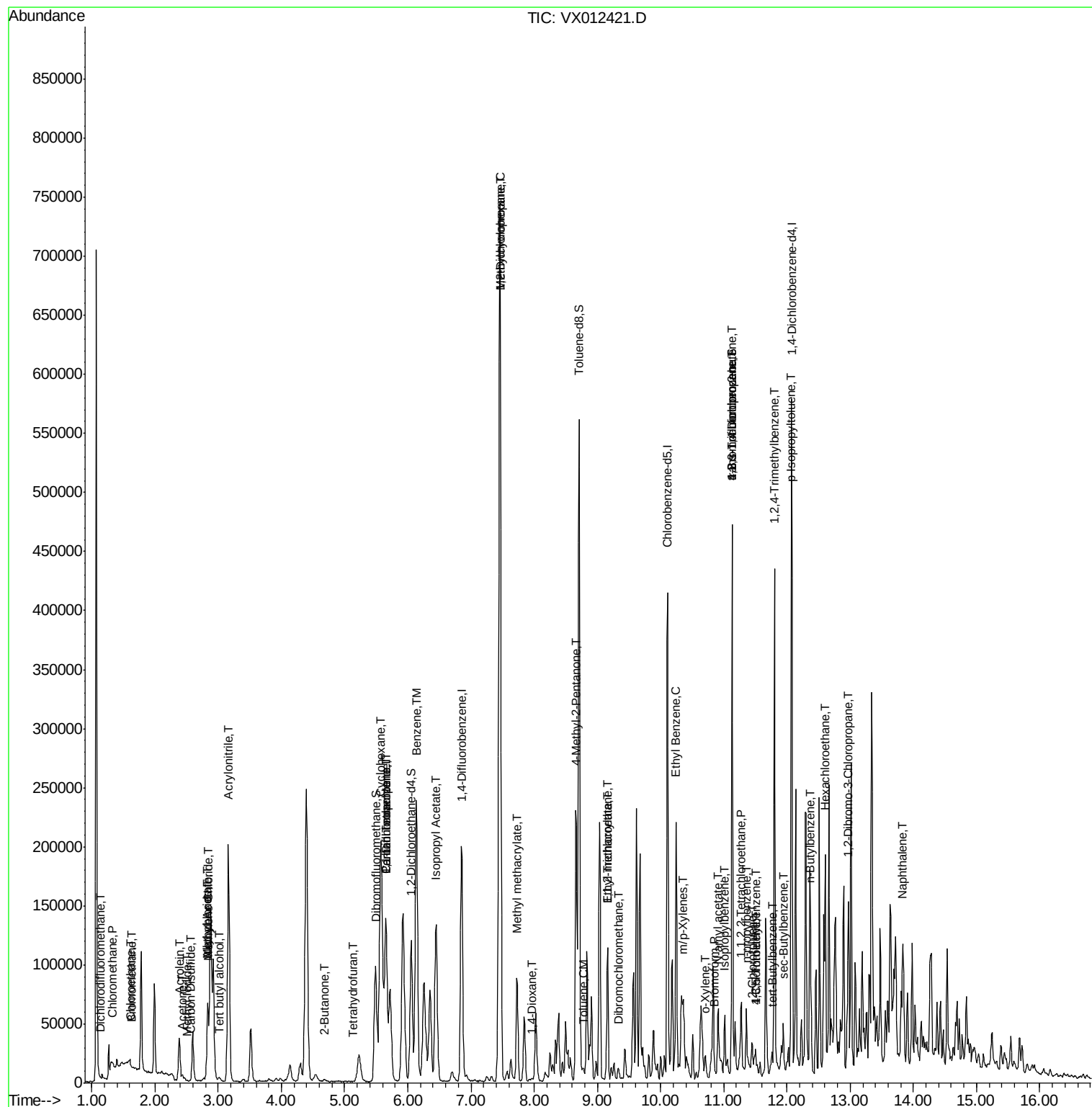
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) N-amyl acetate	10.90	43	2407	0.629	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.28	83	3263	1.128	ug/l #	53
76) 1,2,3-Trichloropropane	11.14	75	65753	24.497	ug/l #	38
78) n-propylbenzene	11.35	91	27616	3.387	ug/l	99
79) 2-Chlorotoluene	11.45	91	1088	0.208	ug/l #	56
80) 1,3,5-Trimethylbenzene	11.50	105	6575	1.047	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.14	75	65753	69.154	ug/l #	7
82) 4-Chlorotoluene	11.50	91	1324	0.217	ug/l #	54
83) tert-Butylbenzene	11.77	119	4201	0.631	ug/l	80
84) 1,2,4-Trimethylbenzene	11.81	105	186624	29.280	ug/l	99
85) sec-Butylbenzene	11.94	105	16507	2.241	ug/l	98
86) p-Isopropyltoluene	12.06	119	29859	4.424	ug/l	99
89) n-Butylbenzene	12.38	91	19863	3.333	ug/l #	30
90) Hexachloroethane	12.60	117	12418	9.518	ug/l #	14
92) 1,2-Dibromo-3-Chloropropan	12.98	75	821	1.074	ug/l #	4
95) Naphthalene	13.83	128	57522	6.850	ug/l #	90

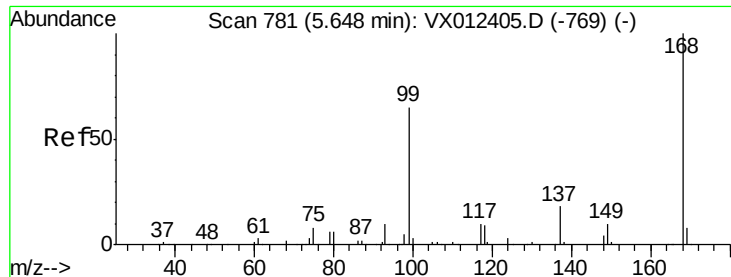
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX091619\
Data File : VX012421.D
Acq On : 16 Sep 2019 21:25
Operator : JC/SP
Sample : K4830-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
SB-0278

Quant Time: Sep 17 04:57:03 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091619W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 17 04:36:38 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012421.D

Acq: 16 Sep 2019 21:25

Instrument :

MSVOA_X

ClientSampleId :

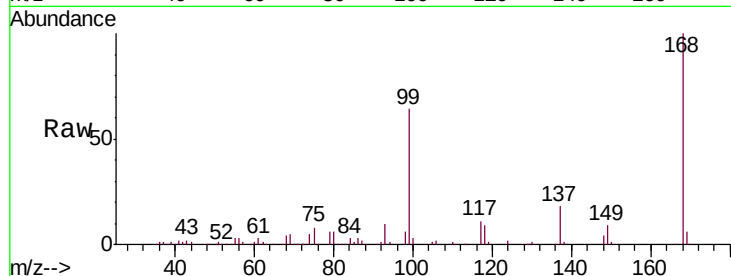
SB-0278

Tgt Ion:168 Resp: 118155

Ion Ratio Lower Upper

168 100

99 64.1 51.8 77.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

40000

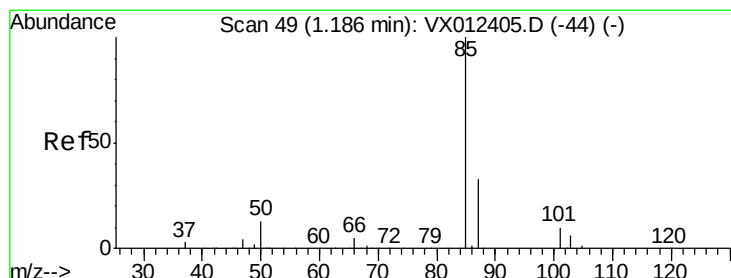
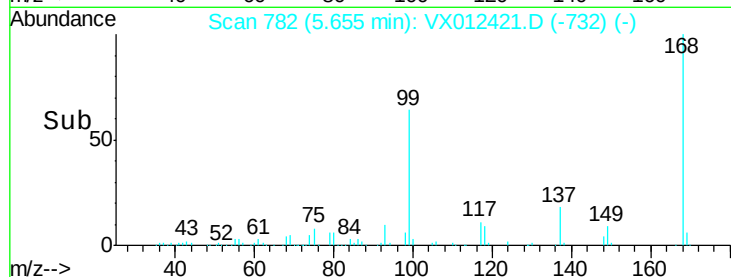
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.510 ug/l

RT: 1.14 min Scan# 42

Delta R.T. -0.04 min

Lab File: VX012421.D

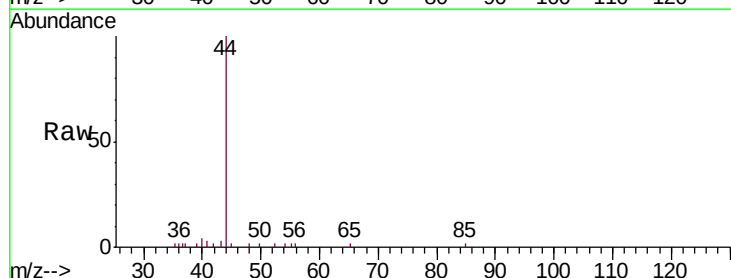
Acq: 16 Sep 2019 21:25

Tgt Ion: 85 Resp: 26

Ion Ratio Lower Upper

85 100

87 0.0 16.4 49.2#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.14

80

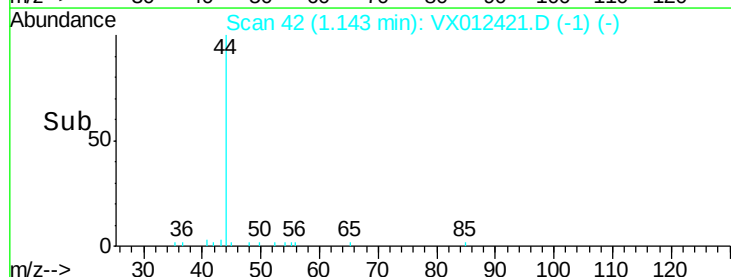
60

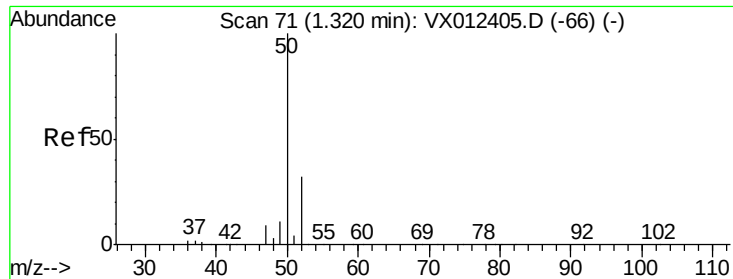
40

20

0

Time--> 1.12 1.13 1.14 1.15 1.16





#3

Chloromethane

Concen: 1.140 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012421.D

Acq: 16 Sep 2019 21:25

Instrument :

MSVOA_X

ClientSampleId :

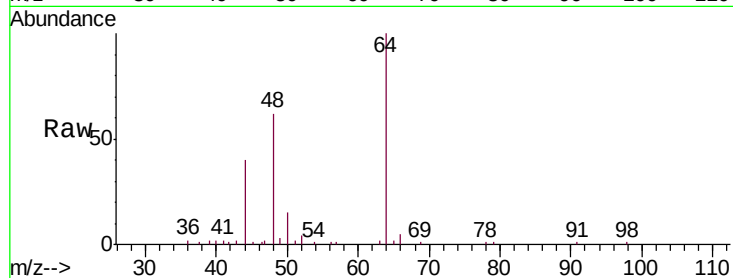
SB-0278

Tgt Ion: 50 Resp: 1034

Ion Ratio Lower Upper

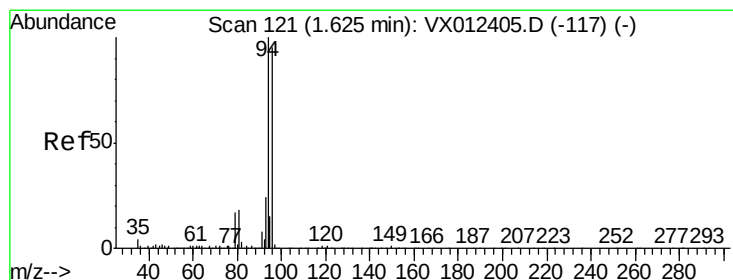
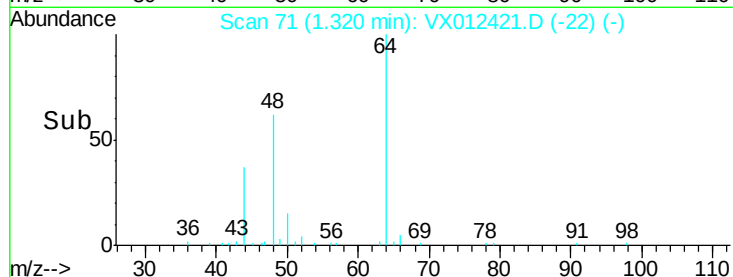
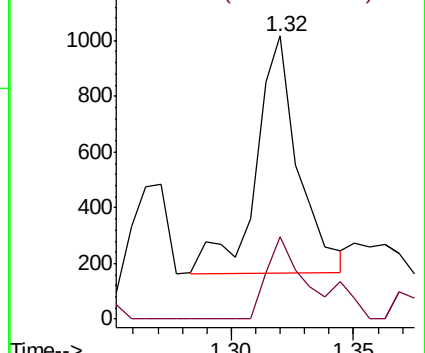
50 100

52 34.6 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#5

Bromomethane

Concen: 0.884 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.02 min

Lab File: VX012421.D

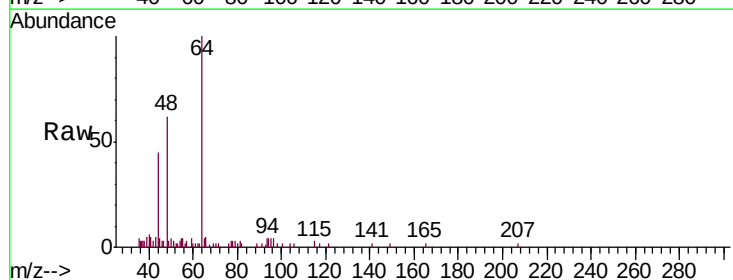
Acq: 16 Sep 2019 21:25

Tgt Ion: 94 Resp: 373

Ion Ratio Lower Upper

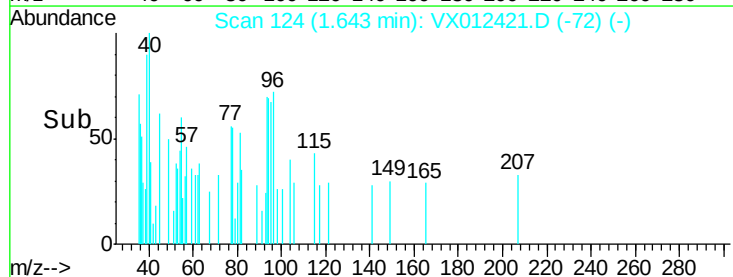
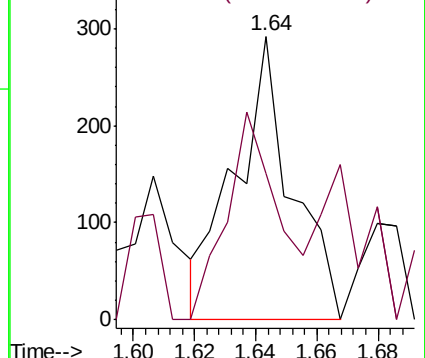
94 100

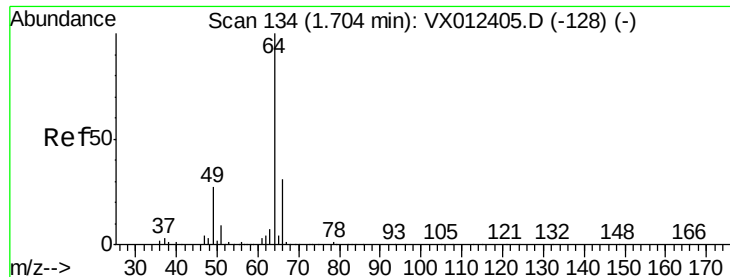
96 51.7 75.7 113.5#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 2.913 ug/l

RT: 1.62 min Scan# 120

Delta R.T. -0.09 min

Lab File: VX012421.D

Acq: 16 Sep 2019 21:25

Instrument :

MSVOA_X

ClientSampleId :

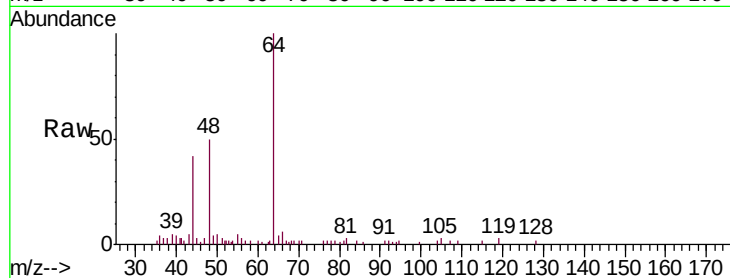
SB-0278

Tgt Ion: 64 Resp: 1912

Ion Ratio Lower Upper

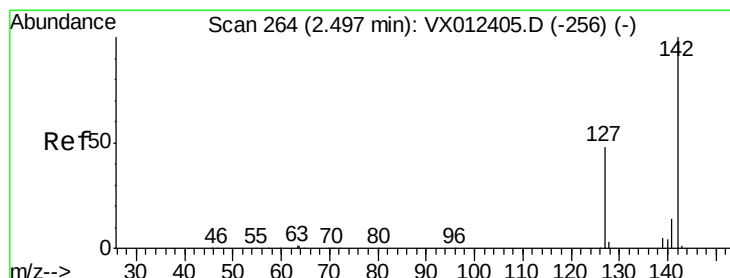
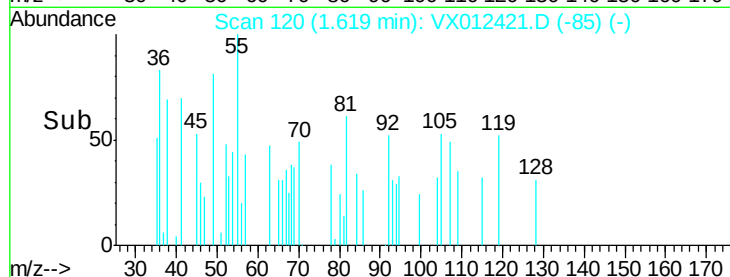
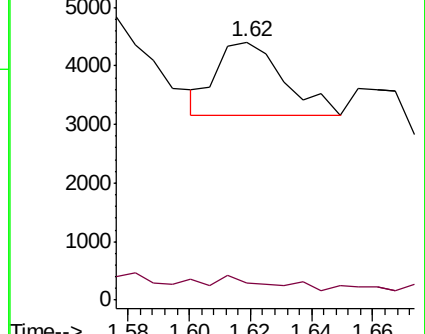
64 100

66 3.5 24.7 37.1#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 0.287 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.01 min

Lab File: VX012421.D

Acq: 16 Sep 2019 21:25

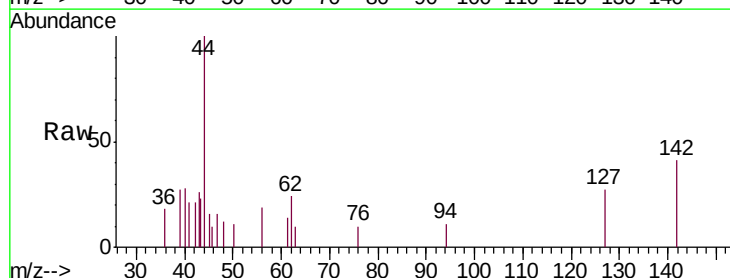
Tgt Ion: 142 Resp: 359

Ion Ratio Lower Upper

142 100

127 61.8 39.6 59.4#

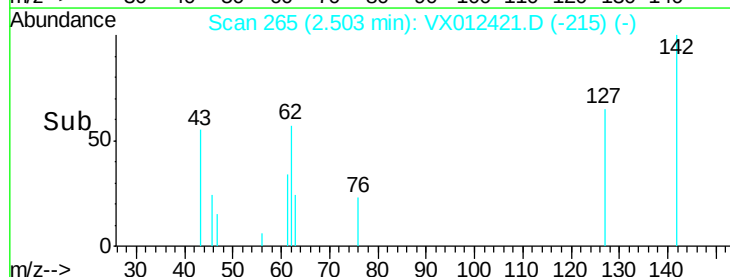
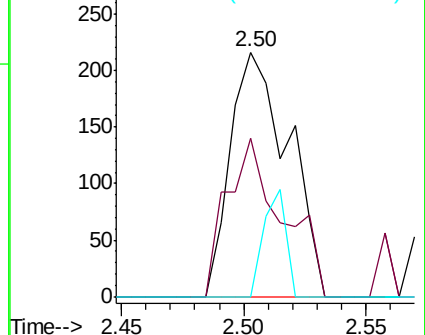
141 17.0 11.6 17.4

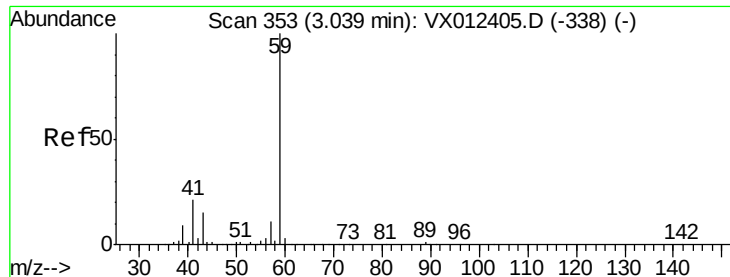


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

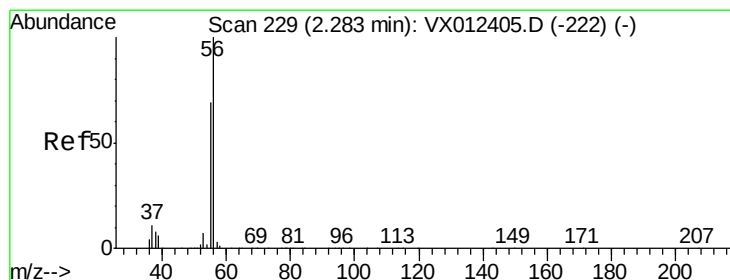
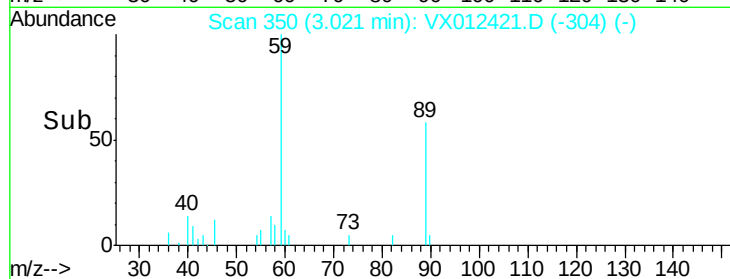
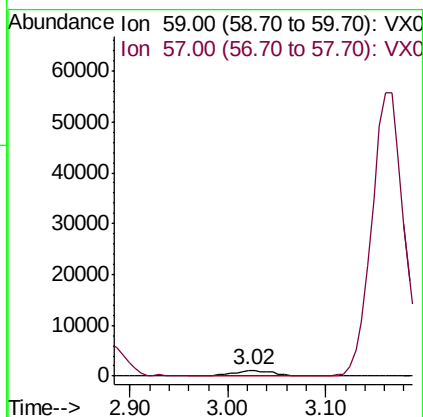
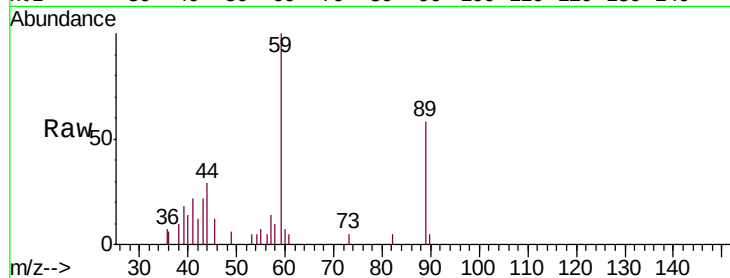




#11
Tert butyl alcohol
Concen: 5.541 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.02 min
Lab File: VX012421.D
Acq: 16 Sep 2019 21:25

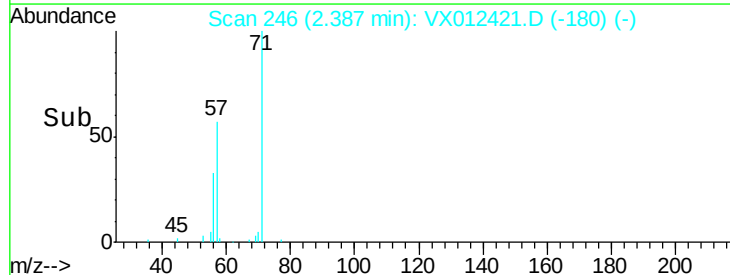
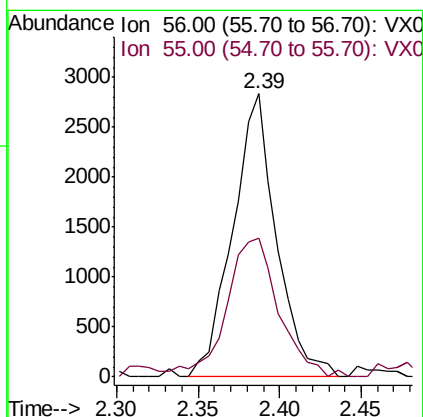
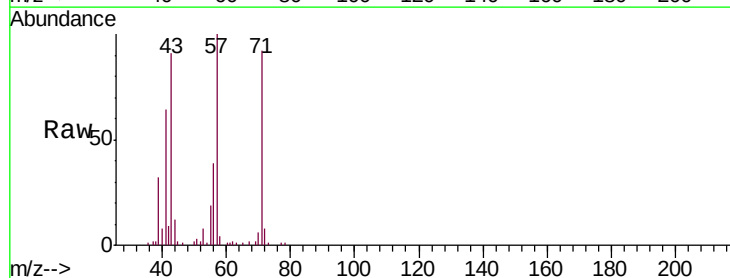
Instrument :
MSVOA_X
ClientSampled :
SB-0278

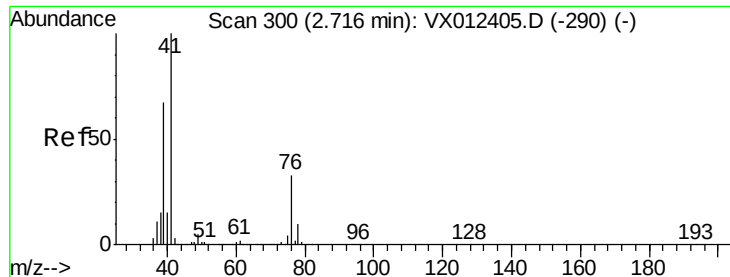
Tgt Ion: 59 Resp: 3385
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#13
Acrolein
Concen: 20.134 ug/l
RT: 2.39 min Scan# 246
Delta R.T. 0.10 min
Lab File: VX012421.D
Acq: 16 Sep 2019 21:25

Tgt Ion: 56 Resp: 5300
Ion Ratio Lower Upper
56 100
55 58.4 56.1 84.1

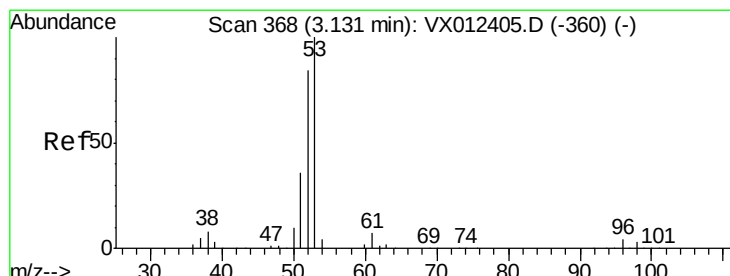
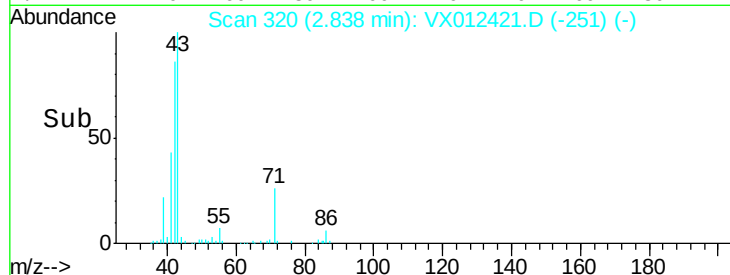
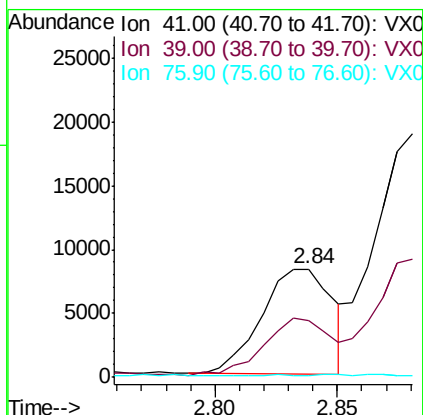
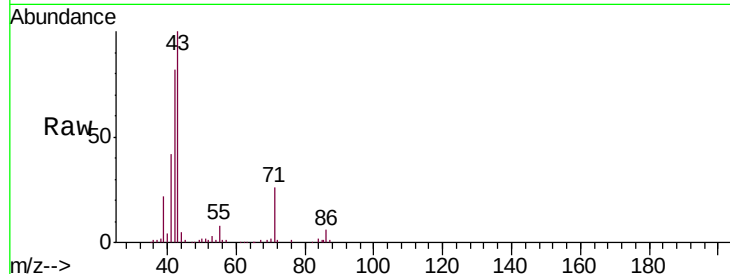




#14
 Allyl chloride
 Concen: 6.948 ug/l
 RT: 2.84 min Scan# 320
 Delta R.T. 0.12 min
 Lab File: VX012421.D
 Acq: 16 Sep 2019 21:25

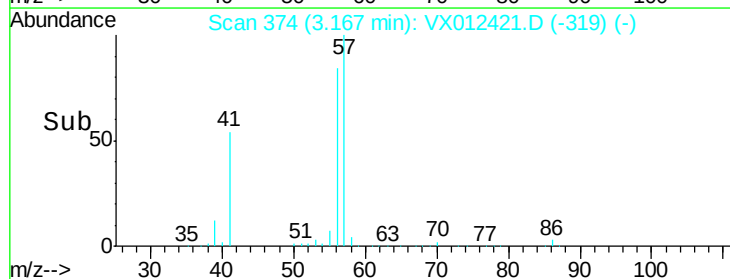
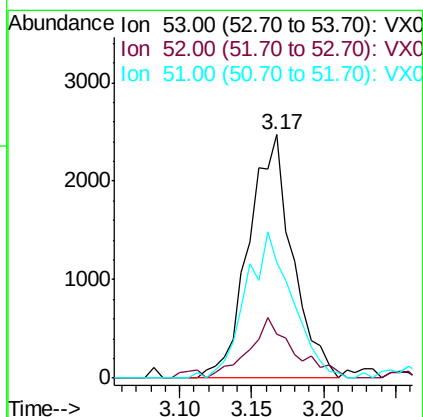
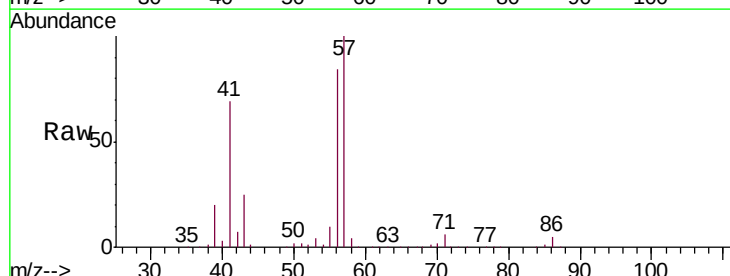
Instrument :
 MSVOA_X
 ClientSampled :
 SB-0278

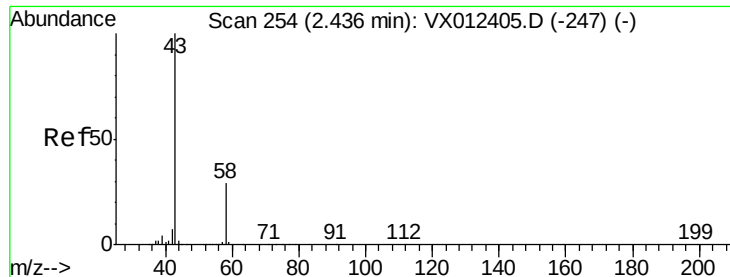
Tgt Ion: 41 Resp: 16522
 Ion Ratio Lower Upper
 41 100
 39 52.7 51.1 76.7
 76 0.0 23.4 35.2#



#15
 Acrylonitrile
 Concen: 5.152 ug/l
 RT: 3.17 min Scan# 374
 Delta R.T. 0.04 min
 Lab File: VX012421.D
 Acq: 16 Sep 2019 21:25

Tgt Ion: 53 Resp: 5206
 Ion Ratio Lower Upper
 53 100
 52 25.3 67.4 101.2#
 51 64.0 29.8 44.6#

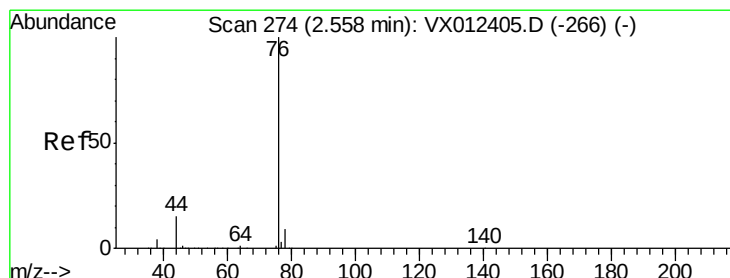
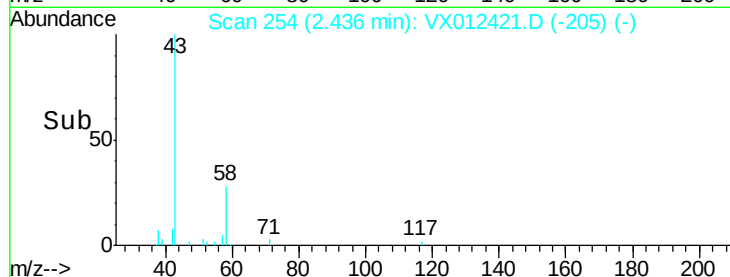
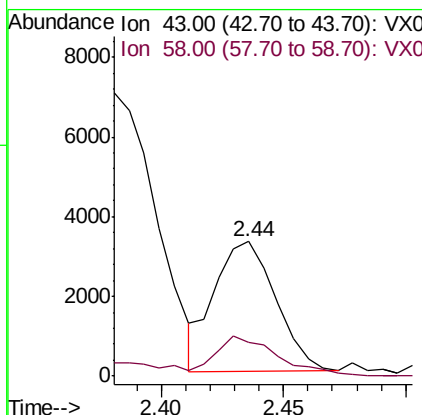
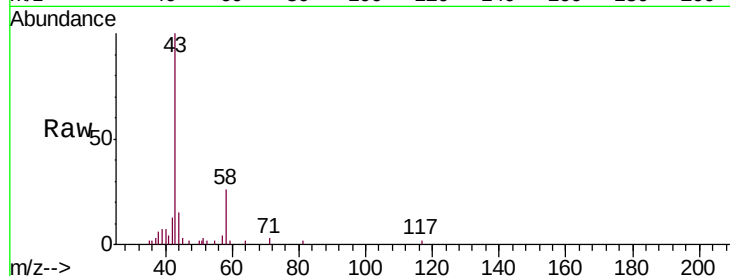




#16
Acetone
Concen: 5.177 ug/l
RT: 2.44 min Scan# 254
Delta R.T. 0.00 min
Lab File: VX012421.D
Acq: 16 Sep 2019 21:25

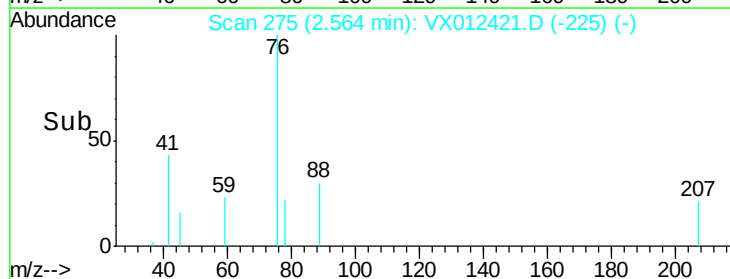
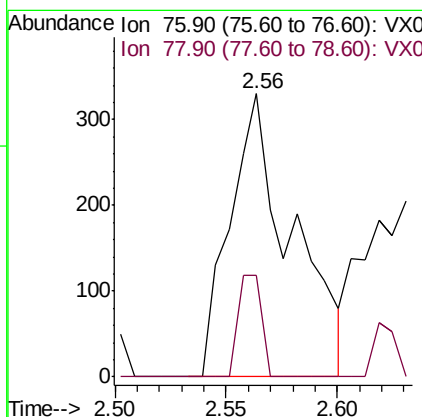
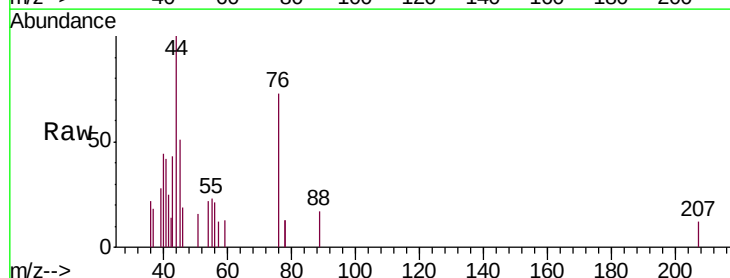
Instrument :
MSVOA_X
ClientSampled :
SB-0278

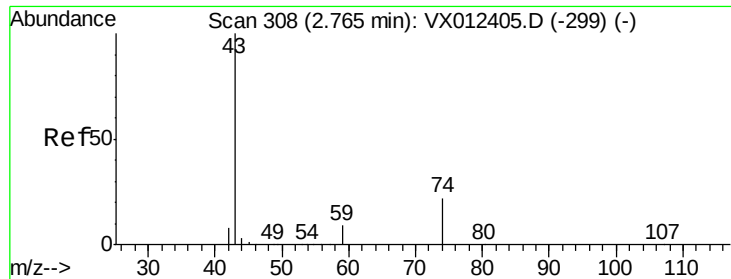
Tgt Ion: 43 Resp: 5629
Ion Ratio Lower Upper
43 100
58 23.9 23.5 35.3



#17
Carbon Disulfide
Concen: 1.912 ug/l
RT: 2.56 min Scan# 275
Delta R.T. 0.01 min
Lab File: VX012421.D
Acq: 16 Sep 2019 21:25

Tgt Ion: 76 Resp: 638
Ion Ratio Lower Upper
76 100
78 36.1 7.1 10.7#

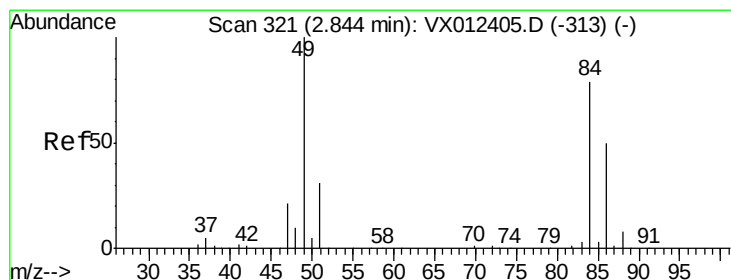
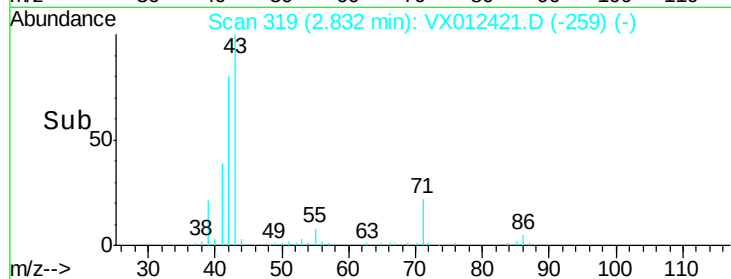
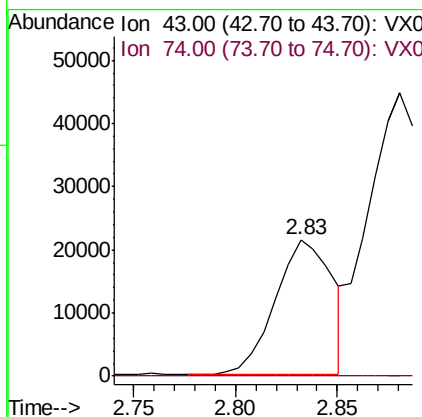
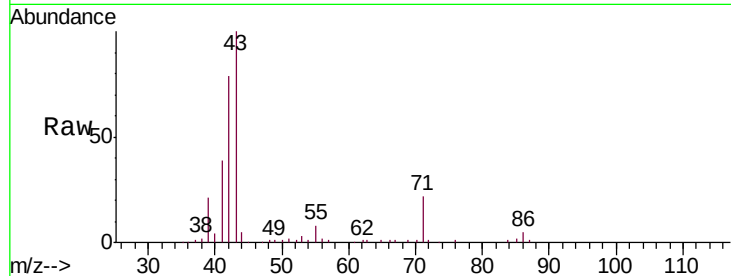




#18
Methyl Acetate
Concen: 17.255 ug/l
RT: 2.83 min Scan# 319
Delta R.T. 0.07 min
Lab File: VX012421.D
Acq: 16 Sep 2019 21:25

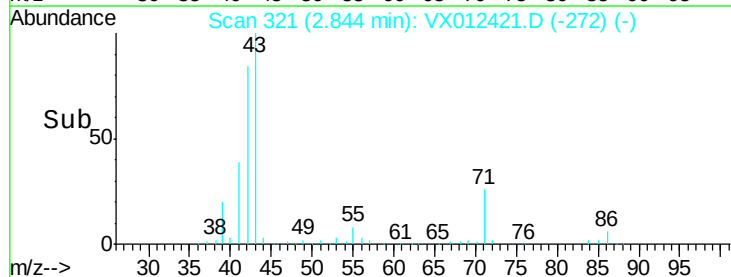
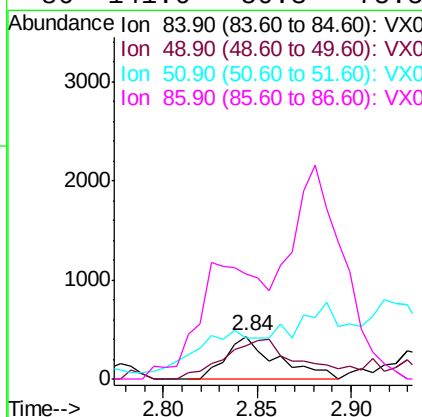
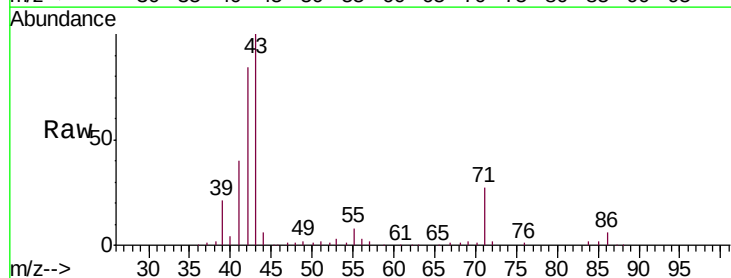
Instrument :
MSVOA_X
ClientSampled :
SB-0278

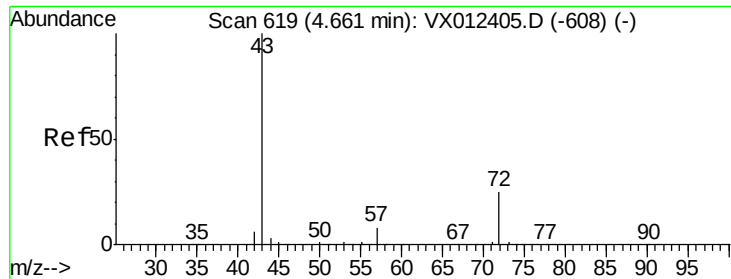
Tgt Ion: 43 Resp: 41780
Ion Ratio Lower Upper
43 100
74 0.0 18.2 27.2#



#20
Methylene Chloride
Concen: 0.535 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX012421.D
Acq: 16 Sep 2019 21:25

Tgt Ion: 84 Resp: 794
Ion Ratio Lower Upper
84 100
49 65.0 101.7 152.5#
51 36.7 31.2 46.8
86 141.6 50.3 75.5#





#25

2-Butanone

Concen: 0.811 ug/l

RT: 4.69 min Scan# 623

Delta R.T. 0.02 min

Lab File: VX012421.D

Acq: 16 Sep 2019 21:25

Instrument :

MSVOA_X

ClientSampled :

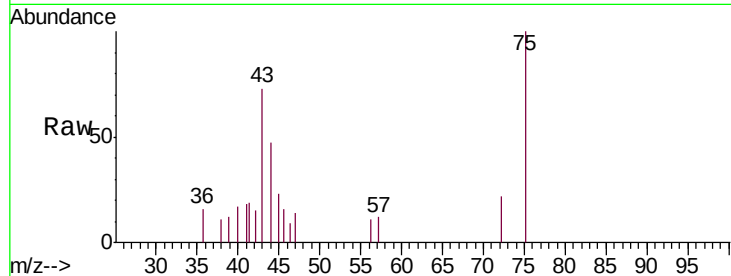
SB-0278

Tgt Ion: 43 Resp: 1256

Ion Ratio Lower Upper

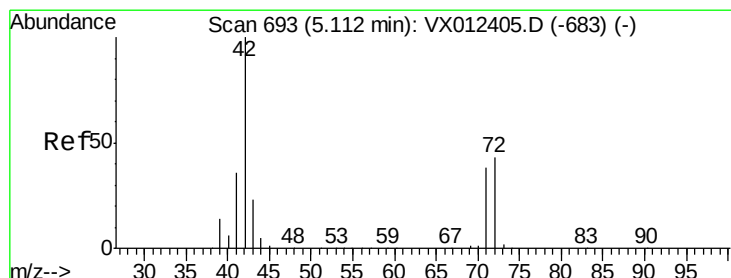
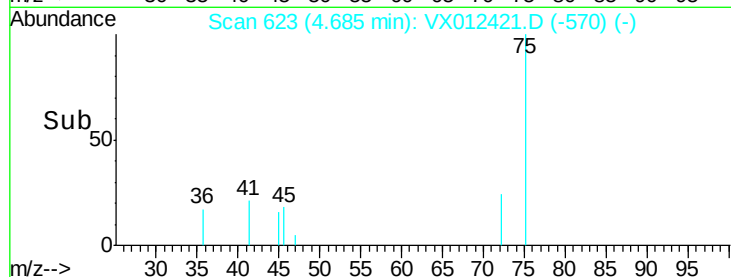
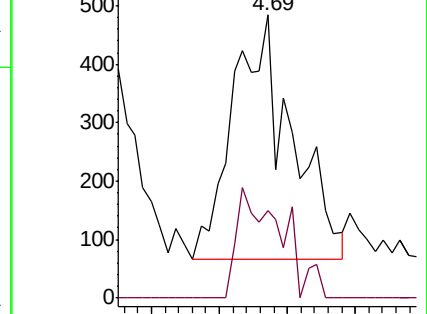
43 100

72 35.7 19.8 29.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#29

Tetrahydrofuran

Concen: 0.297 ug/l

RT: 5.13 min Scan# 696

Delta R.T. 0.02 min

Lab File: VX012421.D

Acq: 16 Sep 2019 21:25

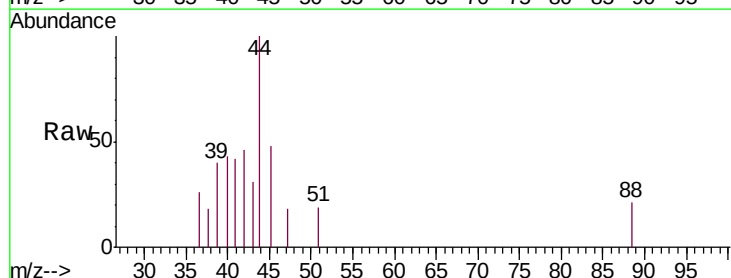
Tgt Ion: 42 Resp: 267

Ion Ratio Lower Upper

42 100

72 0.0 34.9 52.3#

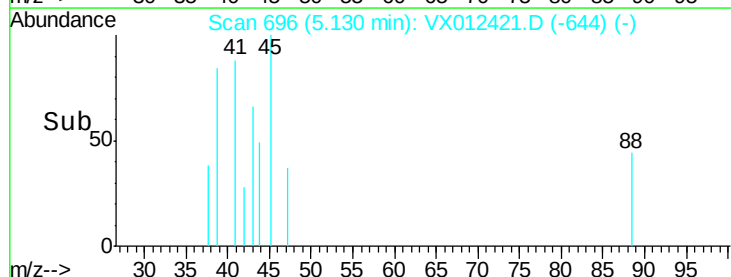
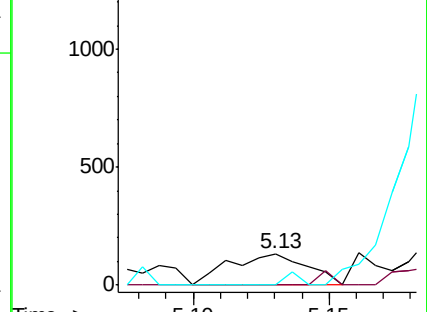
71 0.0 32.6 48.8#

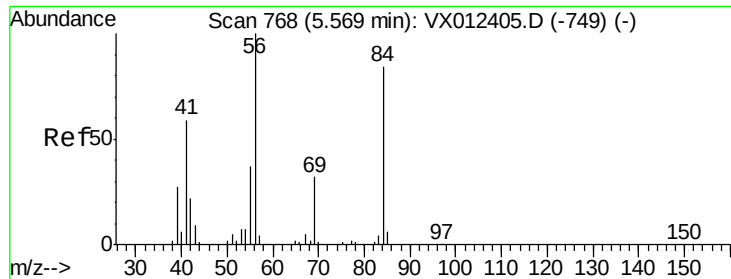


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

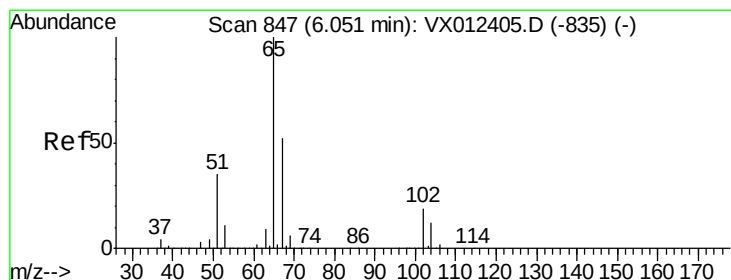
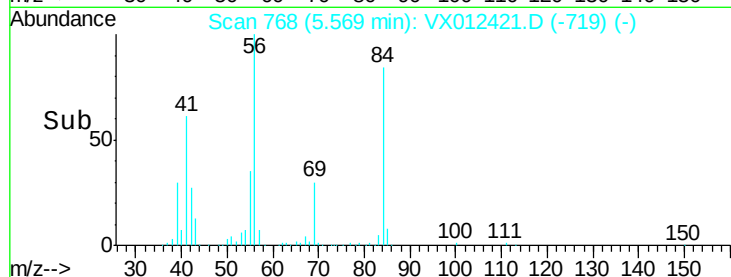
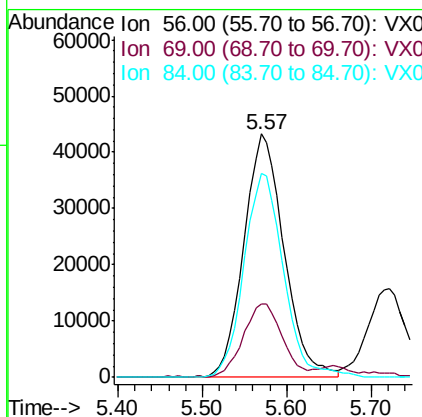
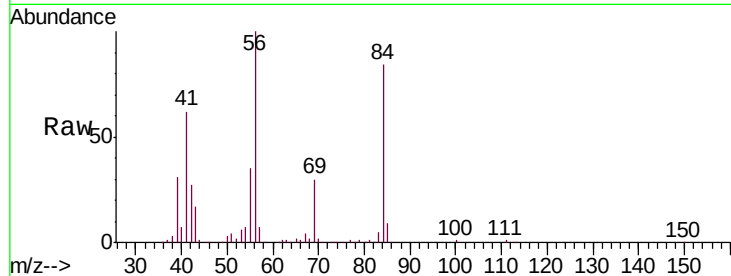




#31
Cyclohexane
Concen: 84.230 ug/l
RT: 5.57 min Scan# 768
Delta R.T. 0.00 min
Lab File: VX012421.D
Acq: 16 Sep 2019 21:25

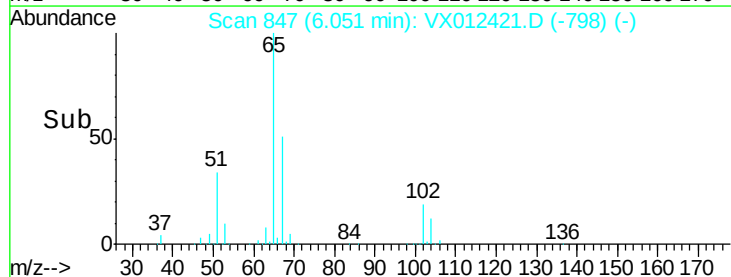
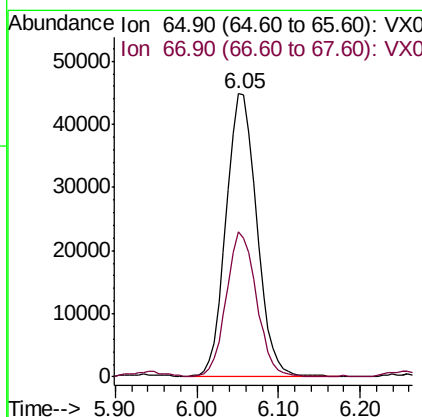
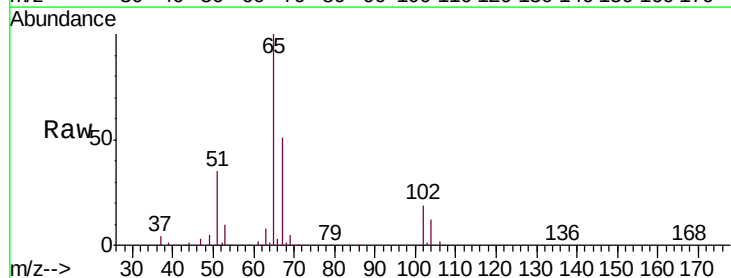
Instrument :
MSVOA_X
ClientSampleId :
SB-0278

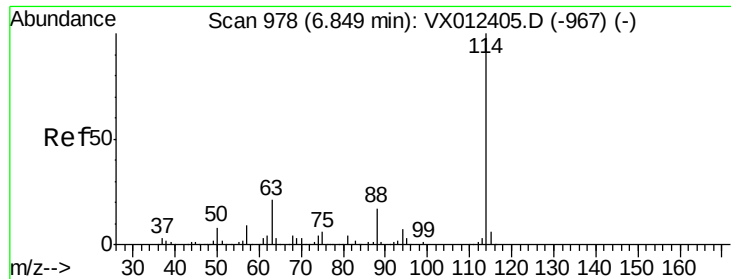
Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.7	24.9	37.3
84	83.9	67.2	100.8



#33
1,2-Dichloroethane-d4
Concen: 48.409 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX012421.D
Acq: 16 Sep 2019 21:25

Tgt Ion	Ratio	Lower	Upper
65	100		
67	49.5	0.0	102.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX012421.D

Acq: 16 Sep 2019 21:25

Instrument :

MSVOA_X

ClientSampled :

SB-0278

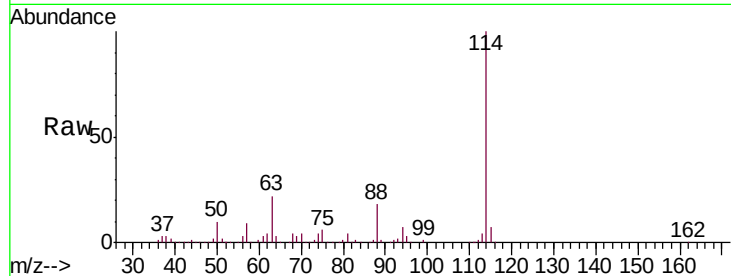
Tgt Ion:114 Resp: 191045

Ion Ratio Lower Upper

114 100

63 22.3 0.0 42.4

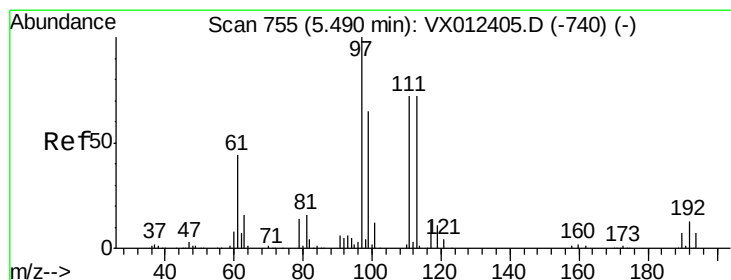
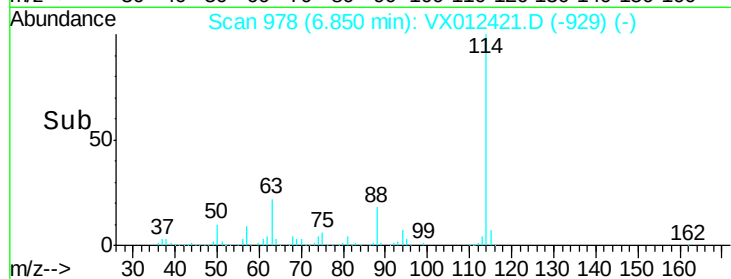
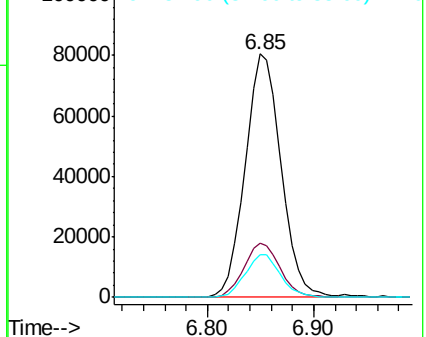
88 17.7 0.0 33.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 45.077 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX012421.D

Acq: 16 Sep 2019 21:25

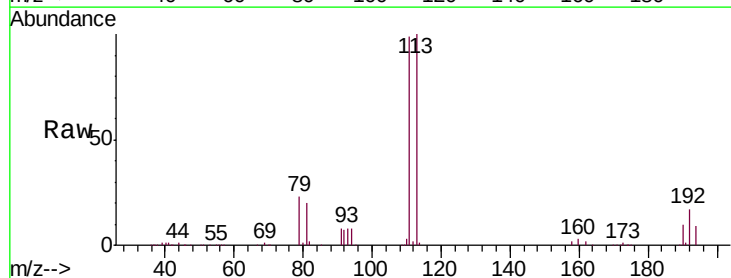
Tgt Ion:113 Resp: 83421

Ion Ratio Lower Upper

113 100

111 101.5 81.8 122.6

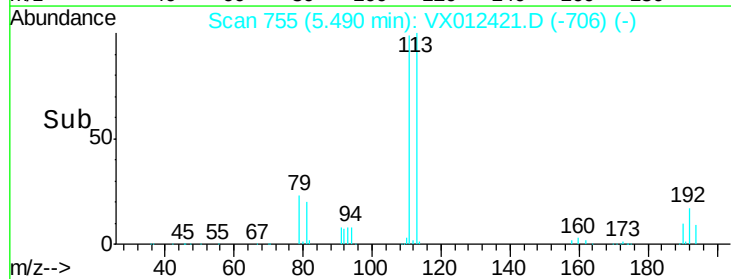
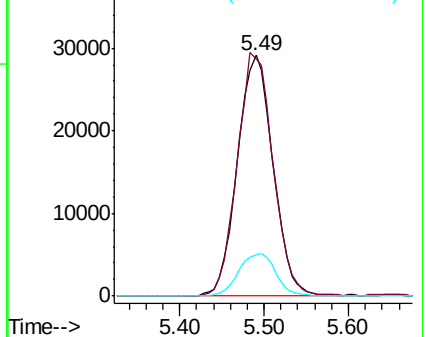
192 18.5 15.0 22.4

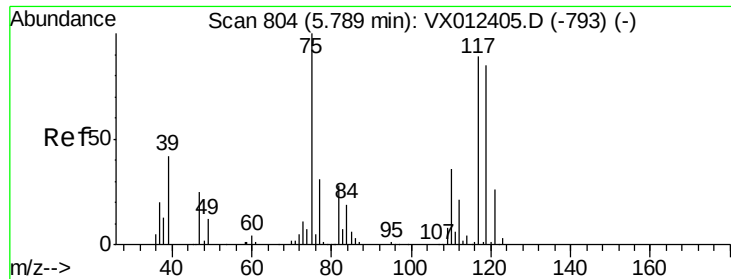


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.628 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX012421.D

Acq: 16 Sep 2019 21:25

Instrument :

MSVOA_X

ClientSampled :

SB-0278

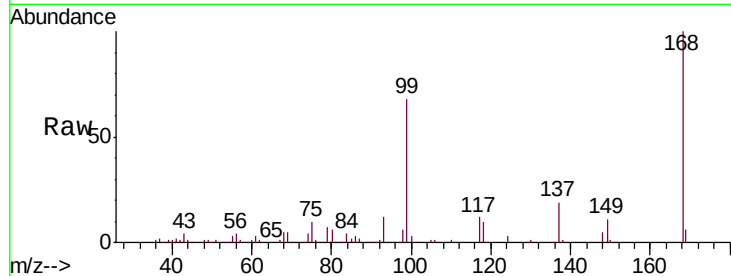
Tgt Ion: 75 Resp: 9936

Ion Ratio Lower Upper

75 100

110 6.9 17.4 52.2#

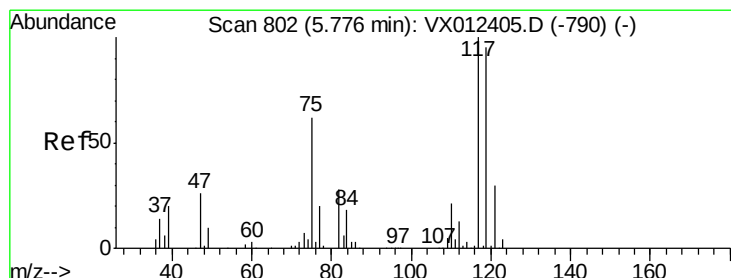
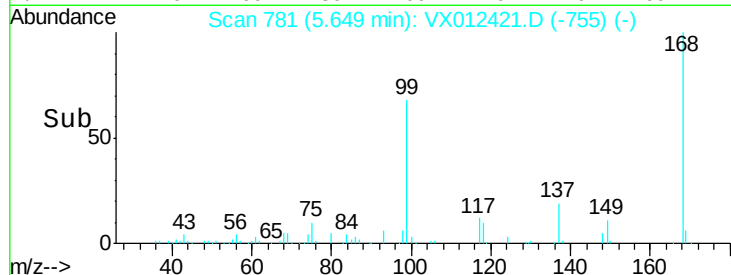
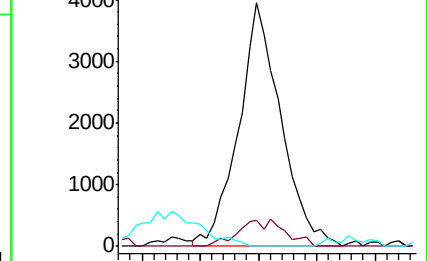
77 0.0 24.8 37.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 6.057 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX012421.D

Acq: 16 Sep 2019 21:25

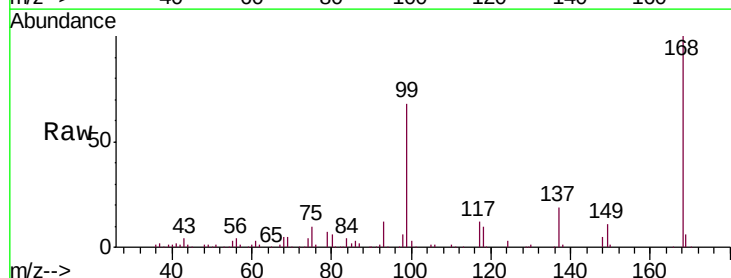
Tgt Ion: 117 Resp: 13049

Ion Ratio Lower Upper

117 100

119 2.8 75.8 113.8#

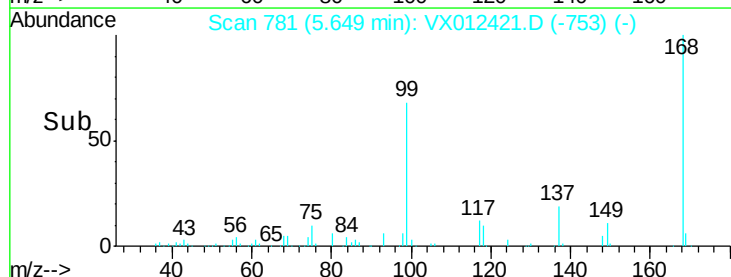
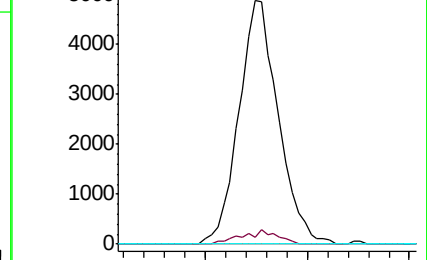
121 0.0 23.8 35.6#

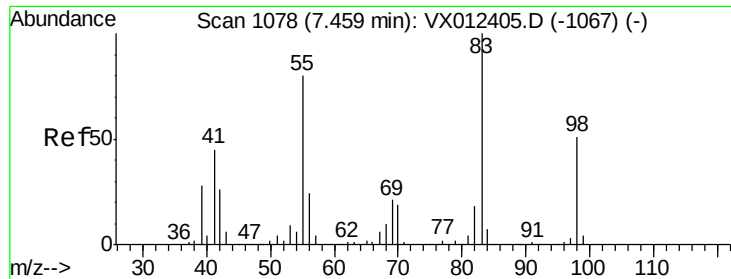


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

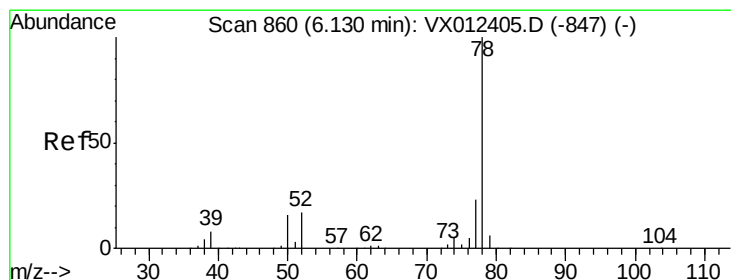
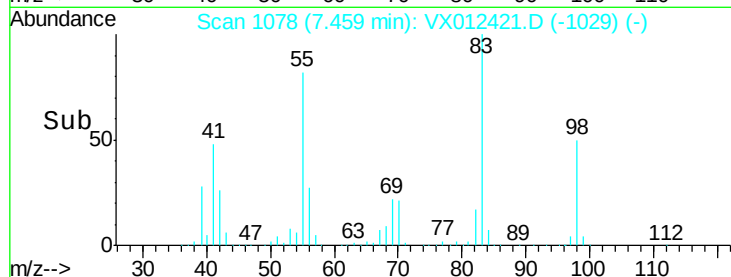
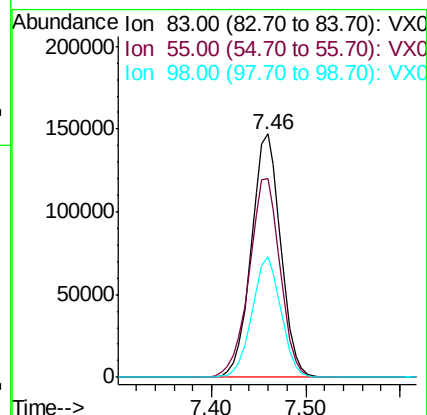
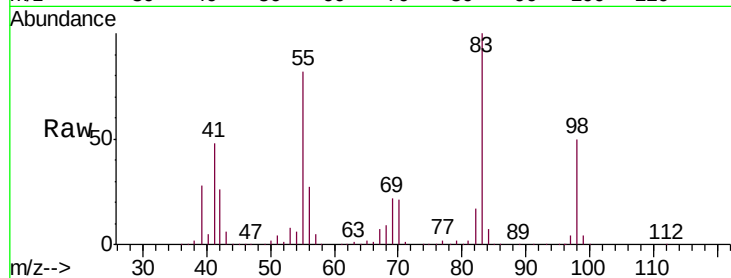




#39
Methylcyclohexane
Concen: 189.648 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VX012421.D
Acq: 16 Sep 2019 21:25

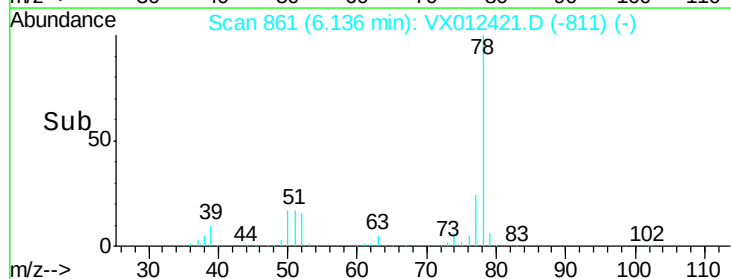
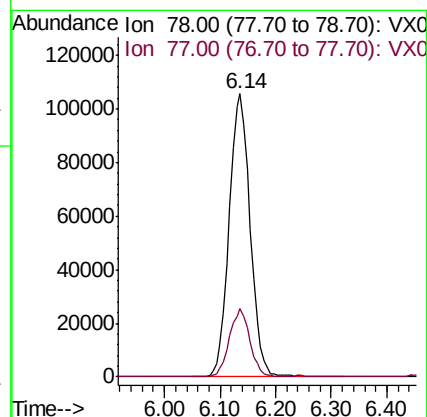
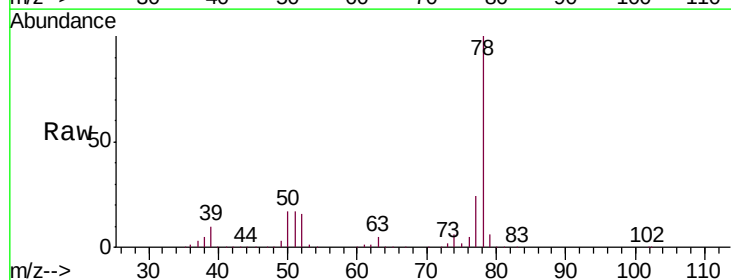
Instrument :
MSVOA_X
ClientSampleId :
SB-0278

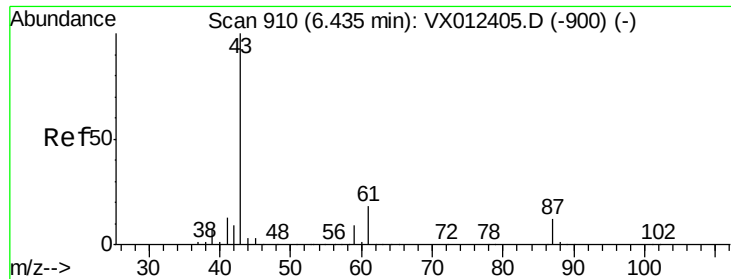
Tgt Ion: 83 Resp: 321598
Ion Ratio Lower Upper
83 100
55 81.7 63.8 95.6
98 49.7 40.6 61.0



#40
Benzene
Concen: 50.684 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.01 min
Lab File: VX012421.D
Acq: 16 Sep 2019 21:25

Tgt Ion: 78 Resp: 275721
Ion Ratio Lower Upper
78 100
77 24.0 18.2 27.2





#43

Isopropyl Acetate

Concen: 1.387 ug/l

RT: 6.45 min Scan# 912

Delta R.T. 0.01 min

Lab File: VX012421.D

Acq: 16 Sep 2019 21:25

Instrument :

MSVOA_X

ClientSampled :

SB-0278

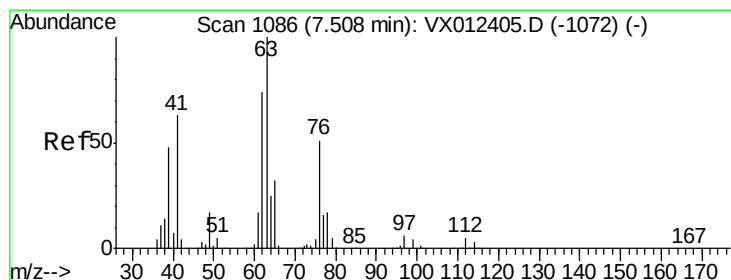
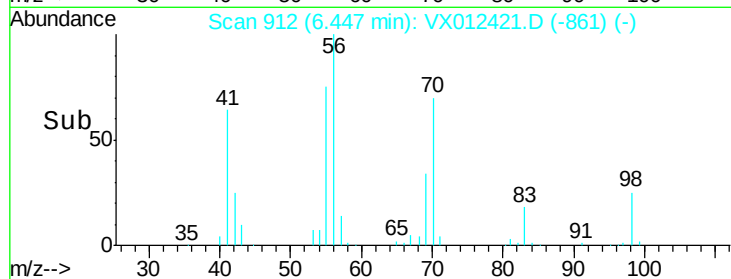
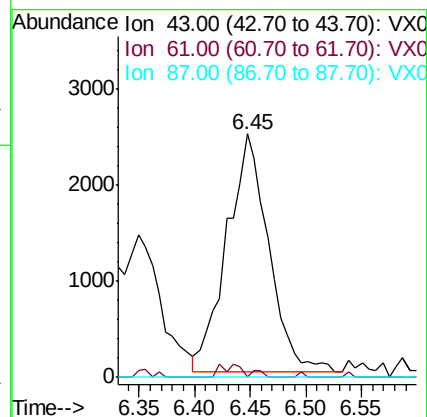
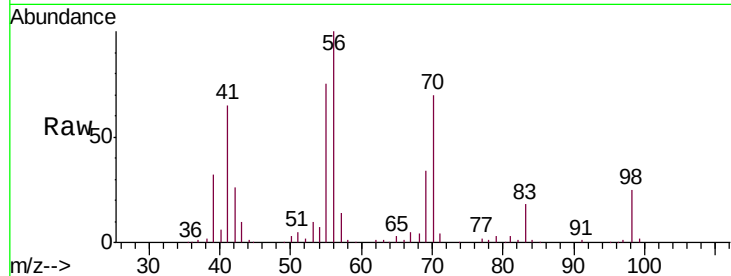
Tgt Ion: 43 Resp: 6468

Ion Ratio Lower Upper

43 100

61 2.4 15.5 23.3#

87 0.0 10.0 15.0#



#45

1,2-Dichloropropane

Concen: 2.404 ug/l

RT: 7.46 min Scan# 1078

Delta R.T. -0.05 min

Lab File: VX012421.D

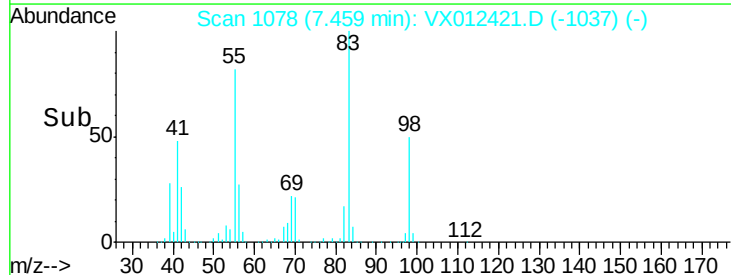
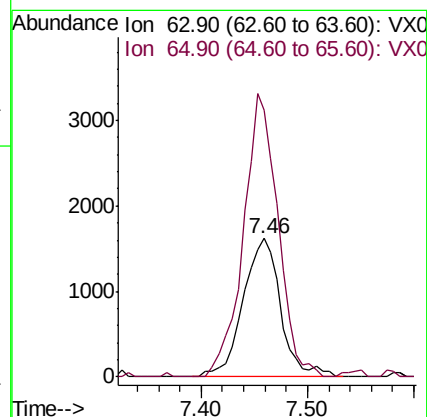
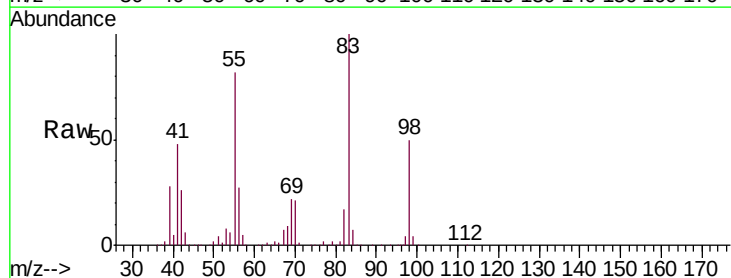
Acq: 16 Sep 2019 21:25

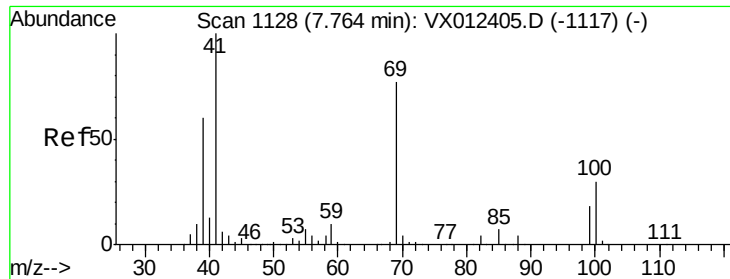
Tgt Ion: 63 Resp: 3997

Ion Ratio Lower Upper

63 100

65 192.4 25.6 38.4#

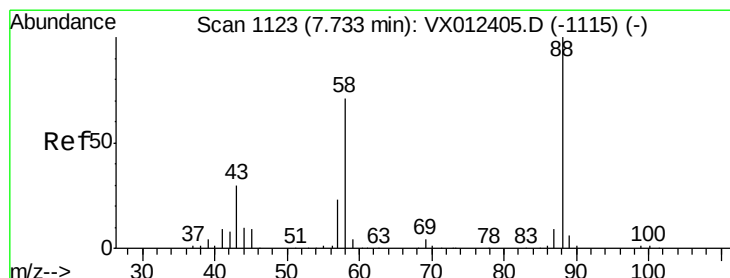
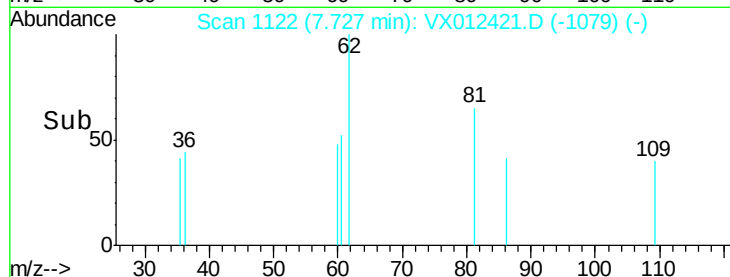
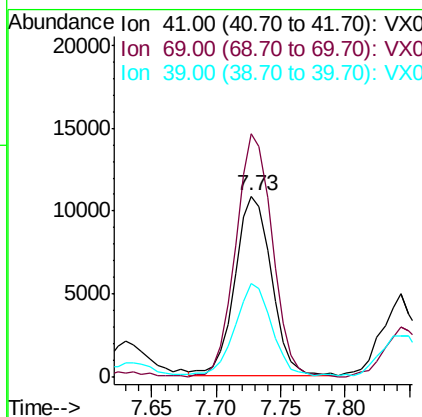
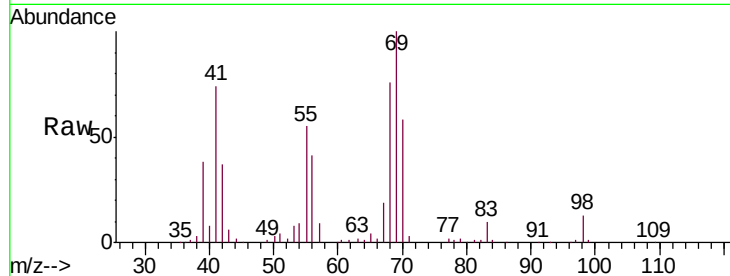




#48
Methyl methacrylate
Concen: 10.418 ug/l
RT: 7.73 min Scan# 1122
Delta R.T. -0.04 min
Lab File: VX012421.D
Acq: 16 Sep 2019 21:25

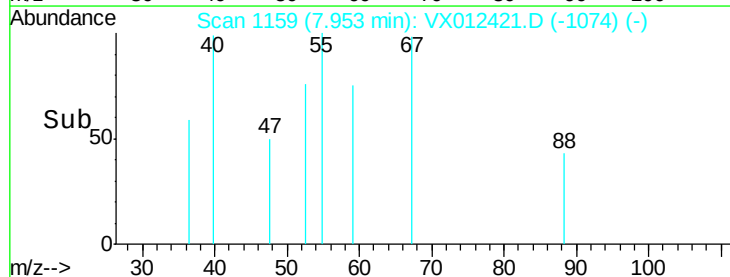
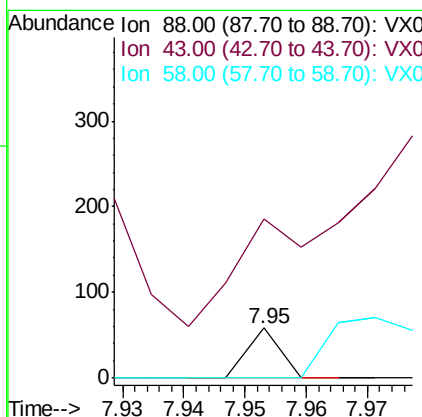
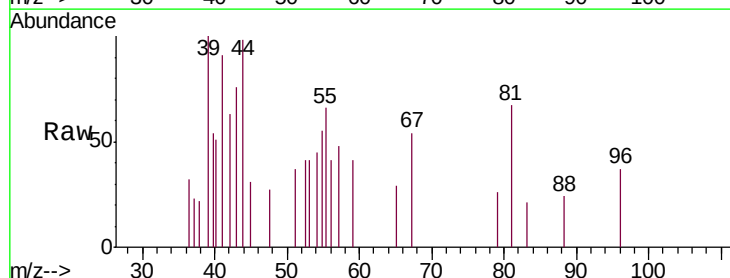
Instrument :
MSVOA_X
ClientSampleId :
SB-0278

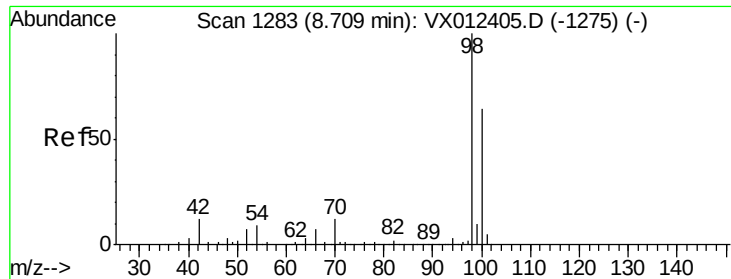
Tgt Ion: 41 Resp: 21366
Ion Ratio Lower Upper
41 100
69 135.5 61.6 92.4#
39 50.7 47.6 71.4



#49
1,4-Dioxane
Concen: 0.395 ug/l
RT: 7.95 min Scan# 1159
Delta R.T. 0.22 min
Lab File: VX012421.D
Acq: 16 Sep 2019 21:25

Tgt Ion: 88 Resp: 21
Ion Ratio Lower Upper
88 100
43 0.0 26.6 39.8#
58 0.0 57.1 85.7#





#50

Toluene-d8

Concen: 47.083 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX012421.D

Acq: 16 Sep 2019 21:25

Instrument :

MSVOA_X

ClientSampleId :

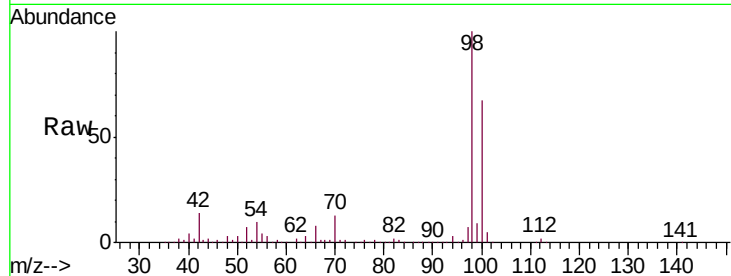
SB-0278

Tgt Ion: 98 Resp: 309200

Ion Ratio Lower Upper

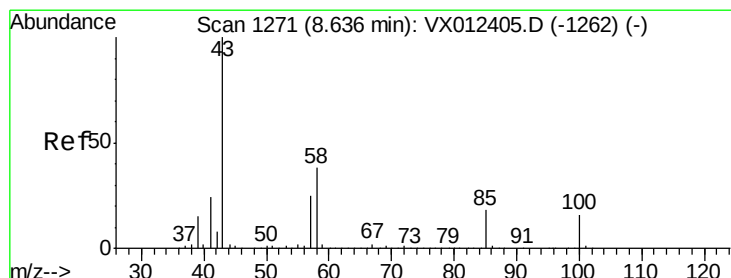
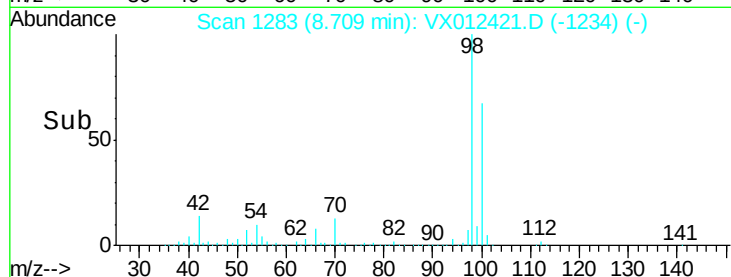
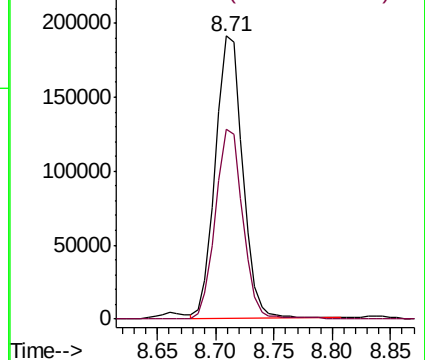
98 100

100 68.0 54.4 81.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#51

4-Methyl-2-Pentanone

Concen: 2.898 ug/l

RT: 8.66 min Scan# 1275

Delta R.T. 0.02 min

Lab File: VX012421.D

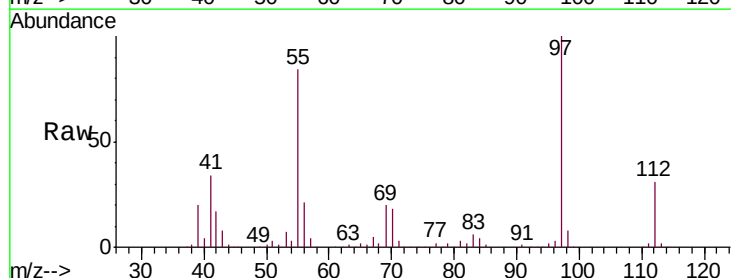
Acq: 16 Sep 2019 21:25

Tgt Ion: 43 Resp: 8759

Ion Ratio Lower Upper

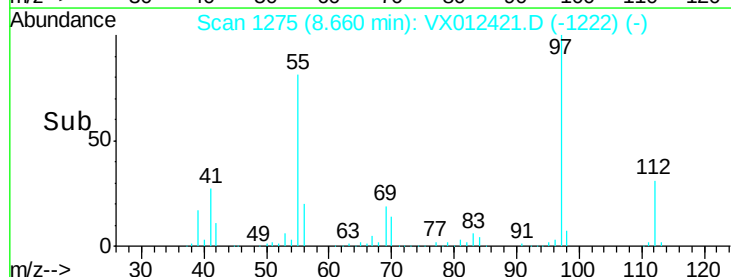
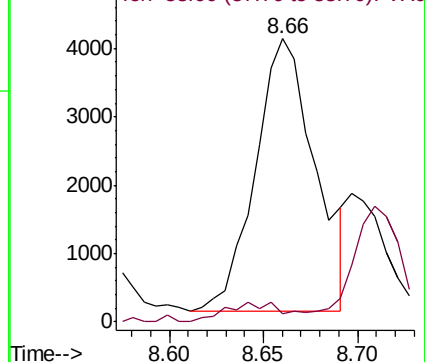
43 100

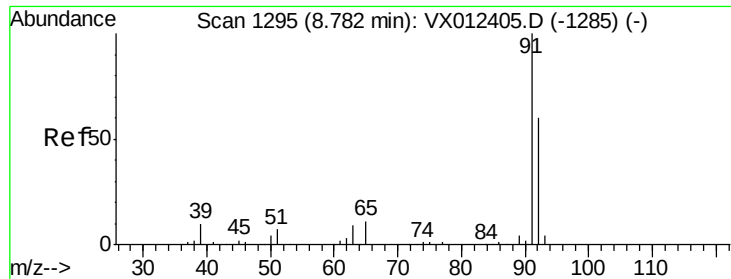
58 7.2 30.2 45.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#52

Toluene

Concen: 0.447 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX012421.D

Acq: 16 Sep 2019 21:25

Instrument :

MSVOA_X

ClientSampleId :

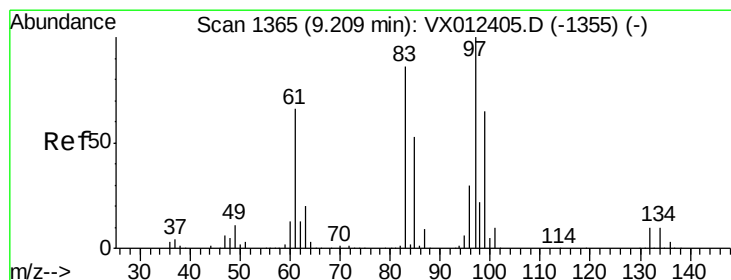
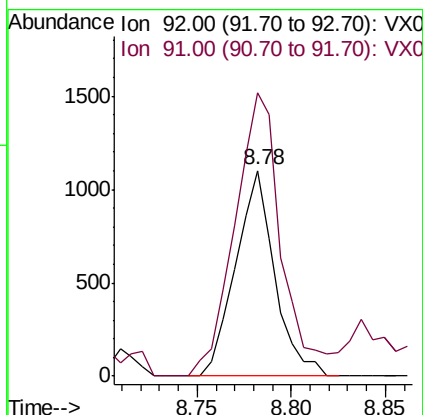
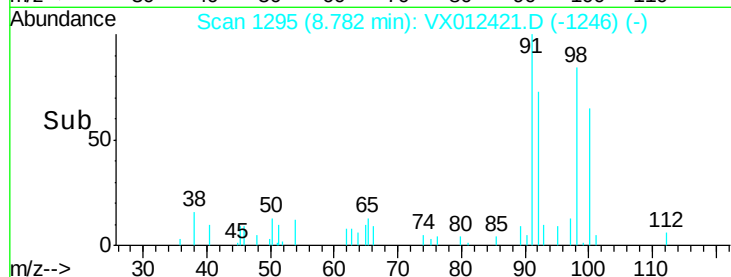
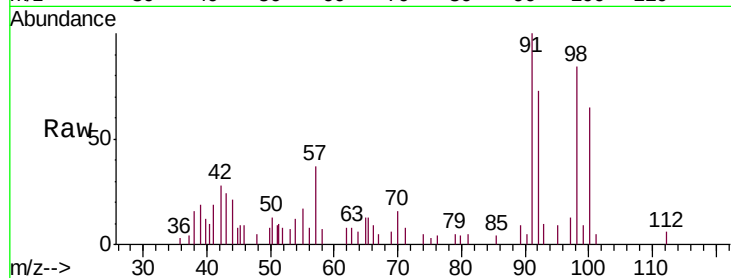
SB-0278

Tgt Ion: 92 Resp: 1583

Ion Ratio Lower Upper

92 100

91 162.9 133.3 199.9



#55

1,1,2-Trichloroethane

Concen: 19.742 ug/l

RT: 9.16 min Scan# 1357

Delta R.T. -0.05 min

Lab File: VX012421.D

Acq: 16 Sep 2019 21:25

Tgt Ion: 97 Resp: 36735

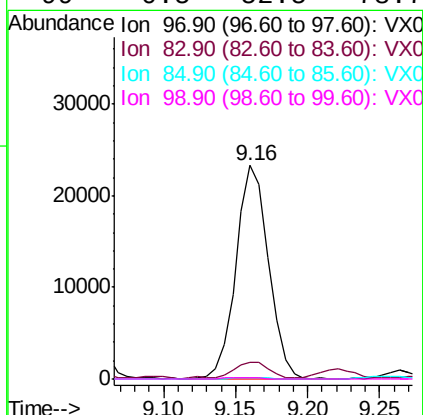
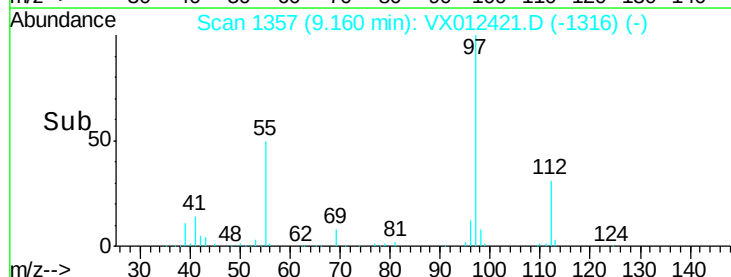
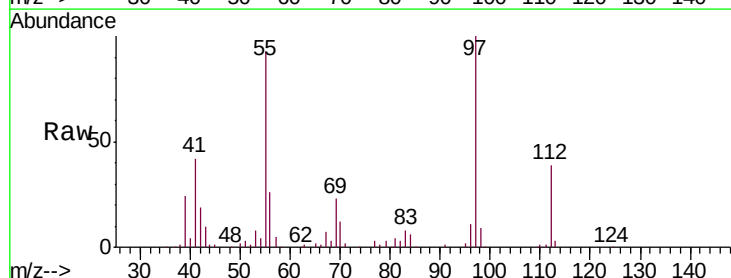
Ion Ratio Lower Upper

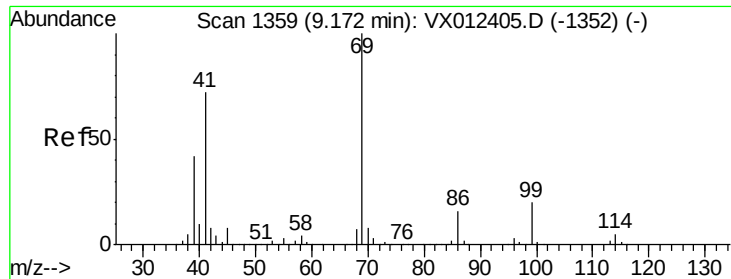
97 100

83 7.4 68.5 102.7#

85 0.4 42.6 64.0#

99 0.5 52.5 78.7#

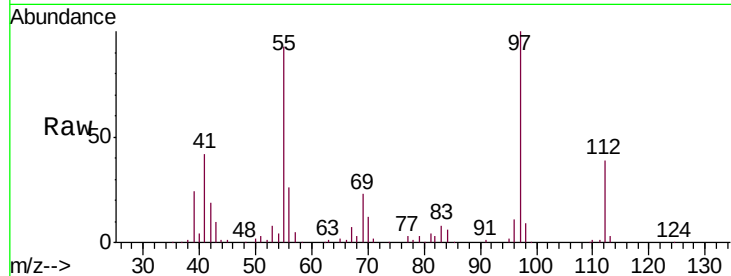




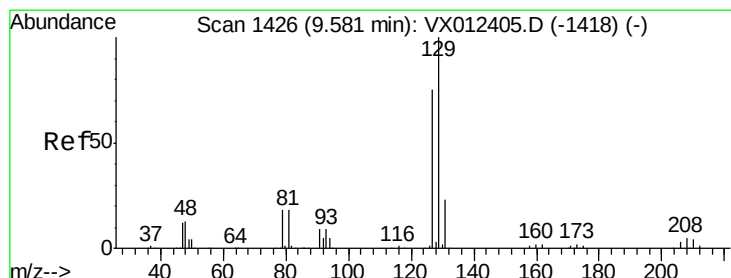
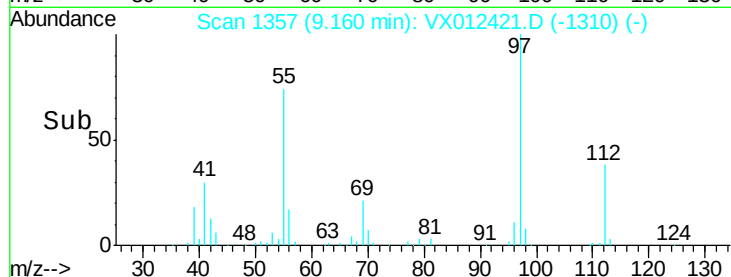
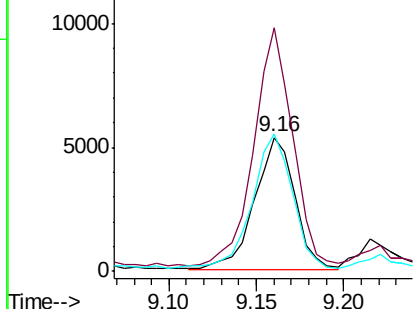
#56
Ethyl methacrylate
Concen: 3.086 ug/l
RT: 9.16 min Scan# 1357
Delta R.T. -0.01 min
Lab File: VX012421.D
Acq: 16 Sep 2019 21:25

Instrument :
MSVOA_X
ClientSampleId :
SB-0278

Tgt Ion: 69 Resp: 8639
Ion Ratio Lower Upper
69 100
41 171.0 57.0 85.6#
39 99.7 32.6 49.0#

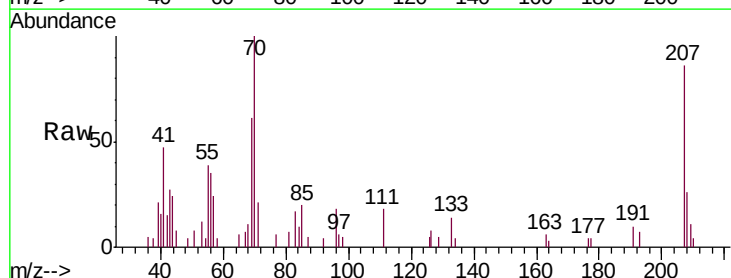


Abundance Ion 69.00 (68.70 to 69.70): VX0
Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0

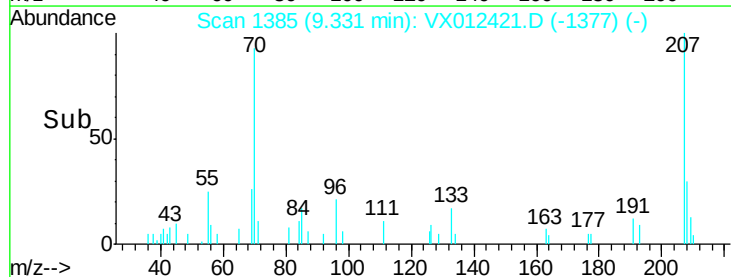
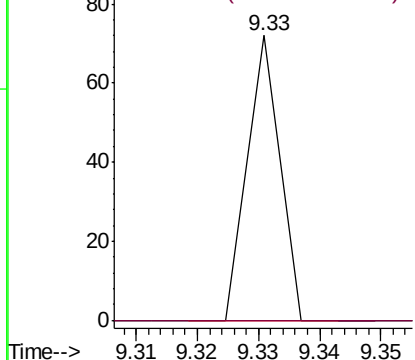


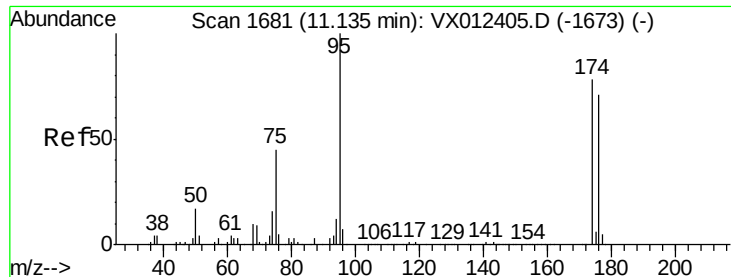
#60
Dibromochloromethane
Concen: 1.755 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.25 min
Lab File: VX012421.D
Acq: 16 Sep 2019 21:25

Tgt Ion: 129 Resp: 26
Ion Ratio Lower Upper
129 100
127 0.0 38.1 114.3#



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V





#62

4-Bromofluorobenzene

Concen: 45.641 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012421.D

Acq: 16 Sep 2019 21:25

Instrument :

MSVOA_X

ClientSampled :

SB-0278

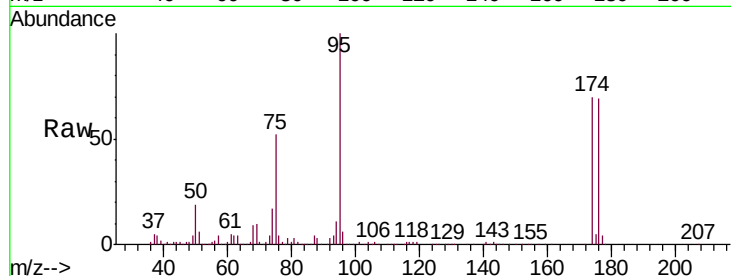
Tgt Ion: 95 Resp: 126101

Ion Ratio Lower Upper

95 100

174 69.5 0.0 146.0

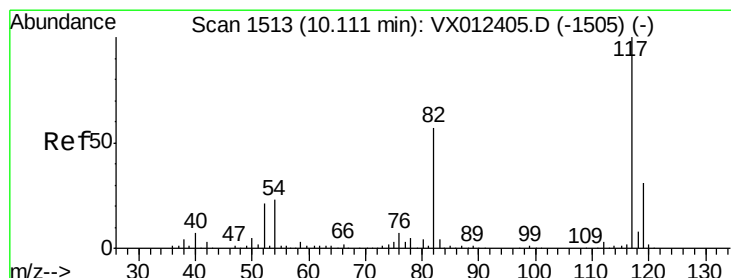
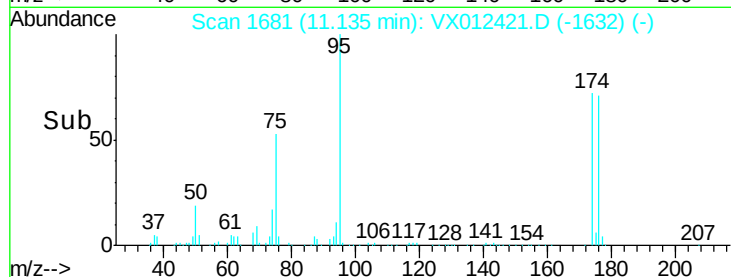
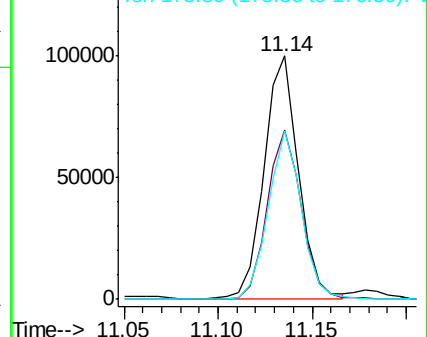
176 67.1 0.0 137.6



Abundance Ion 94.90 (94.60 to 95.60): VX012421.D (-1632) (-)

Ion 173.80 (173.50 to 174.50): VX012421.D (-1632) (-)

Ion 175.80 (175.50 to 176.50): VX012421.D (-1632) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX012421.D

Acq: 16 Sep 2019 21:25

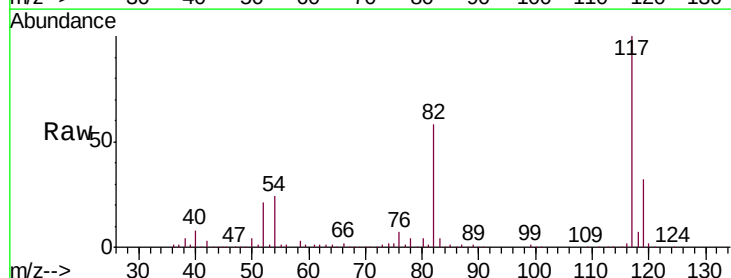
Tgt Ion: 117 Resp: 178280

Ion Ratio Lower Upper

117 100

82 58.2 45.8 68.6

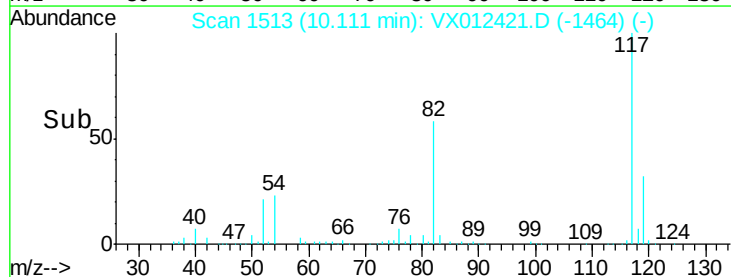
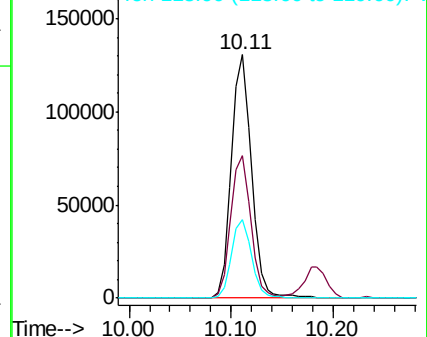
119 32.4 24.9 37.3

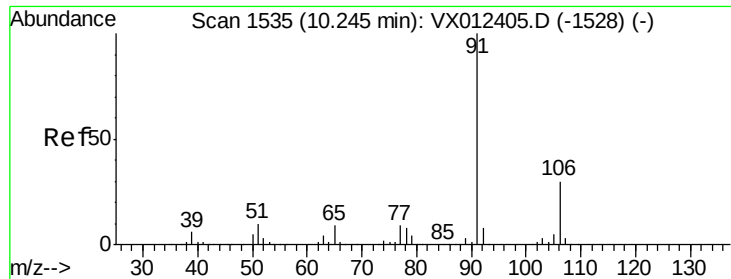


Abundance Ion 116.90 (116.60 to 117.60): VX012421.D (-1464) (-)

Ion 82.00 (81.70 to 82.70): VX012421.D (-1464) (-)

Ion 118.90 (118.60 to 119.60): VX012421.D (-1464) (-)

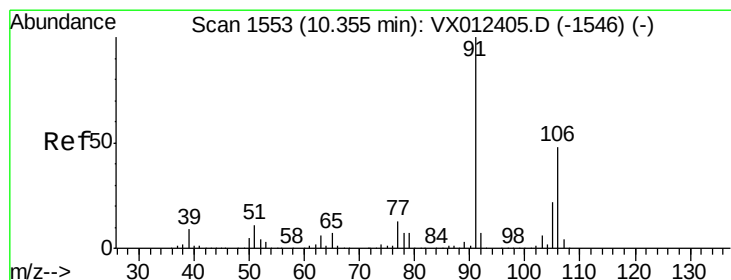
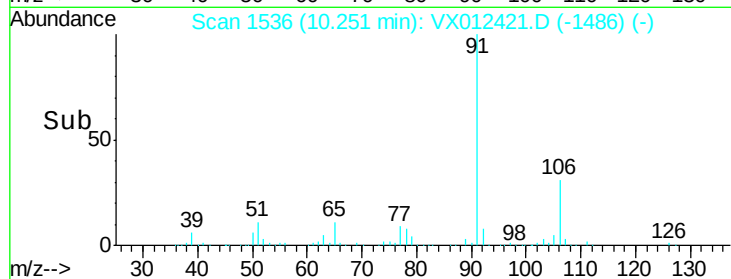
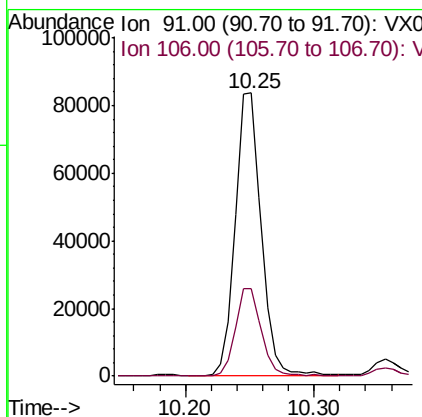
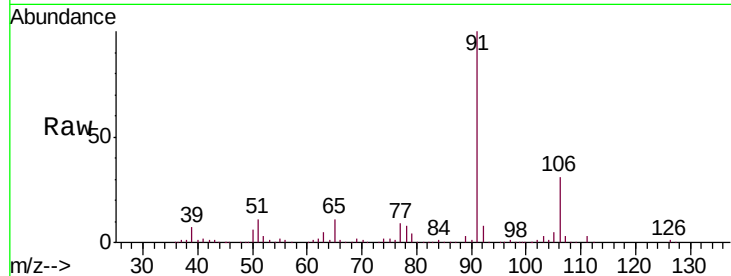




#67
Ethyl Benzene
Concen: 16.539 ug/l
RT: 10.25 min Scan# 1536
Delta R.T. 0.01 min
Lab File: VX012421.D
Acq: 16 Sep 2019 21:25

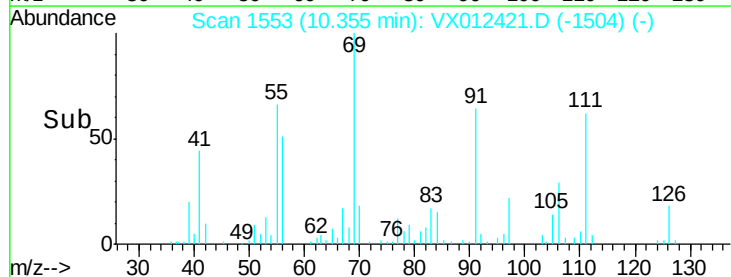
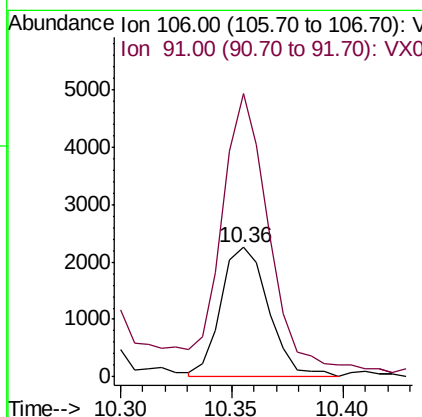
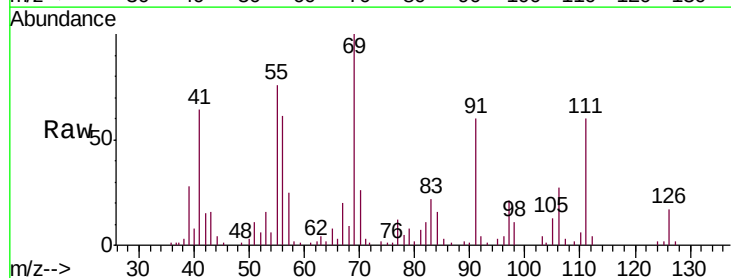
Instrument :
MSVOA_X
ClientSampleId :
SB-0278

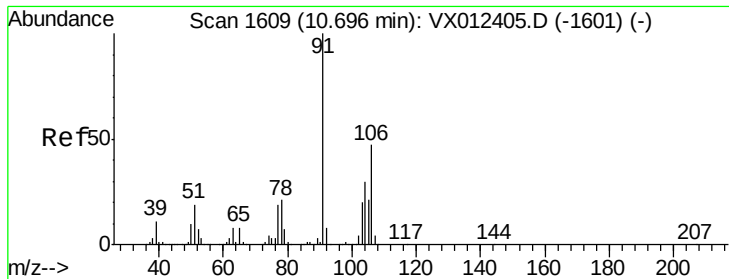
Tgt Ion: 91 Resp: 117486
Ion Ratio Lower Upper
91 100
106 30.8 24.0 36.0



#68
m/p-Xylenes
Concen: 1.285 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX012421.D
Acq: 16 Sep 2019 21:25

Tgt Ion: 106 Resp: 3369
Ion Ratio Lower Upper
106 100
91 214.3 167.4 251.0

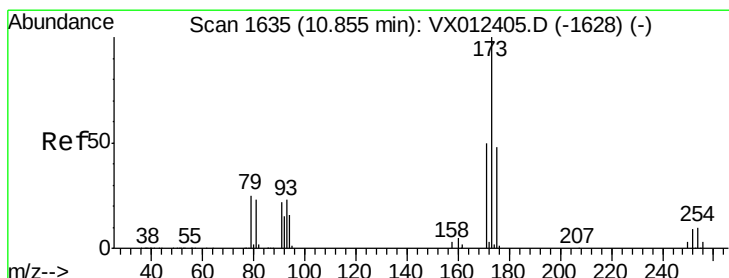
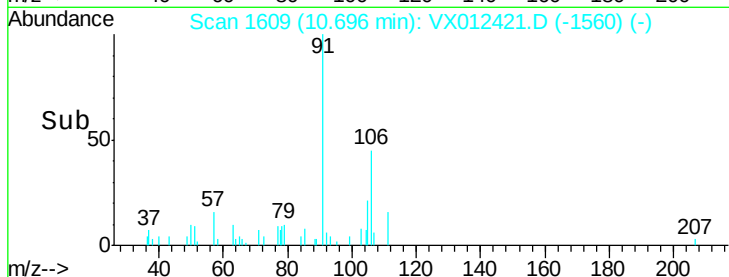
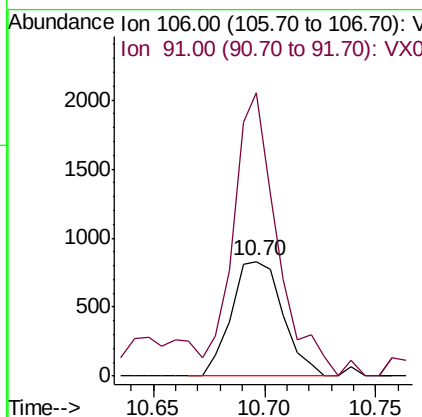
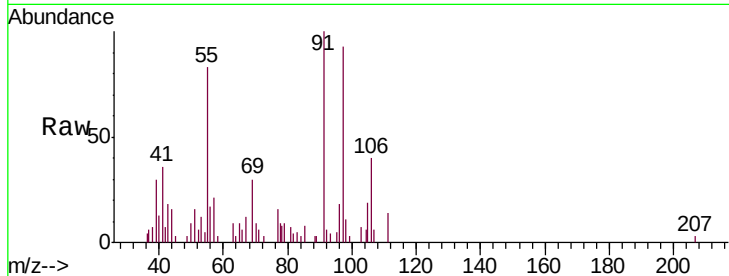




#69
o-Xylene
Concen: 0.492 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX012421.D
Acq: 16 Sep 2019 21:25

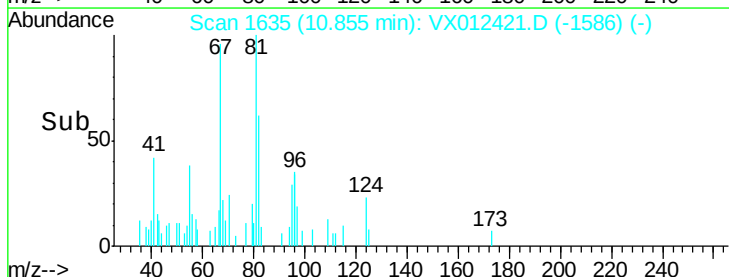
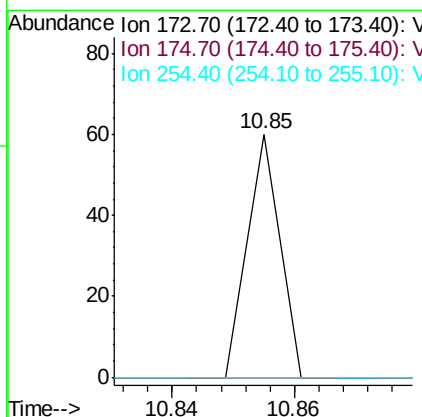
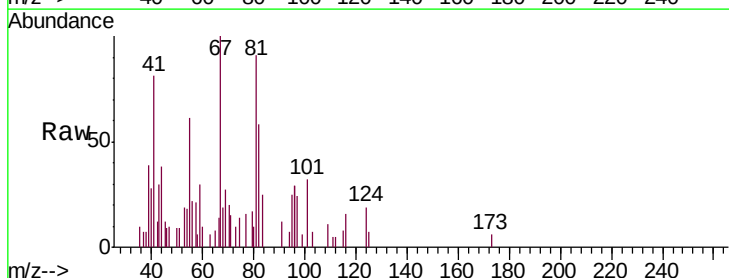
Instrument :
MSVOA_X
ClientSampled :
SB-0278

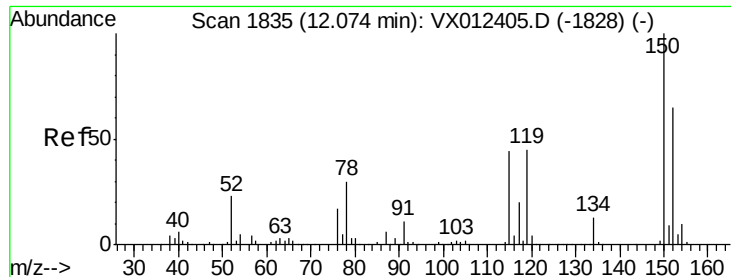
Tgt Ion:106 Resp: 1337
Ion Ratio Lower Upper
106 100
91 213.2 107.8 323.6



#71
Bromoform
Concen: 2.077 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VX012421.D
Acq: 16 Sep 2019 21:25

Tgt Ion:173 Resp: 22
Ion Ratio Lower Upper
173 100
175 0.0 24.3 73.0#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012421.D

Acq: 16 Sep 2019 21:25

Instrument :

MSVOA_X

ClientSampleId :

SB-0278

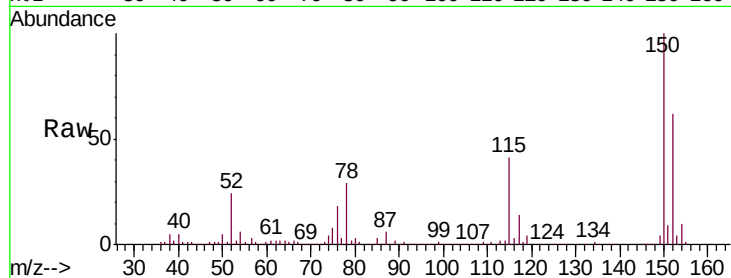
Tgt Ion:152 Resp: 103832

Ion Ratio Lower Upper

152 100

115 66.3 45.3 135.9

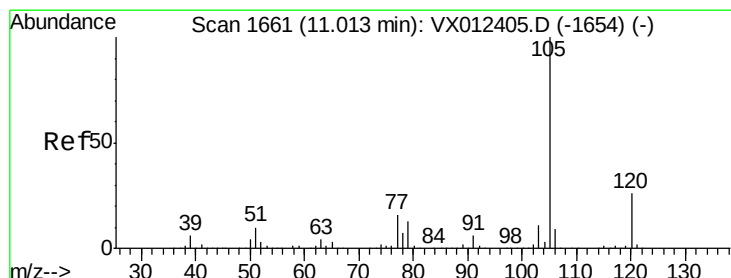
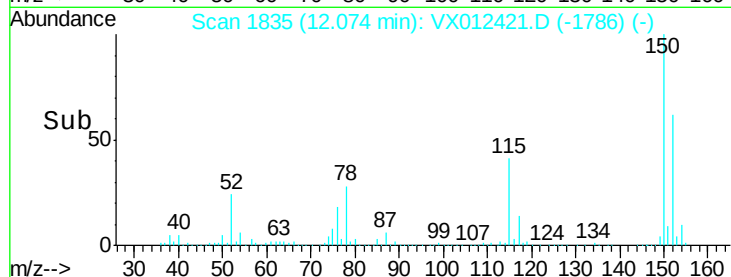
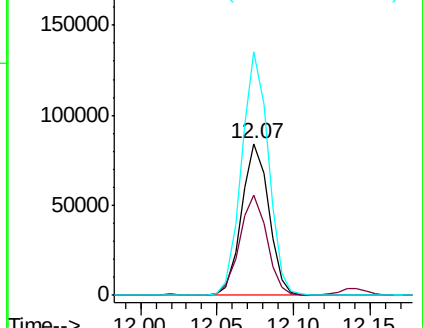
150 158.2 0.0 354.0



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: 3.564 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX012421.D

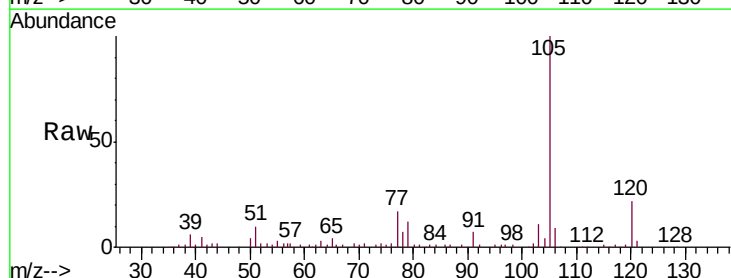
Acq: 16 Sep 2019 21:25

Tgt Ion:105 Resp: 25709

Ion Ratio Lower Upper

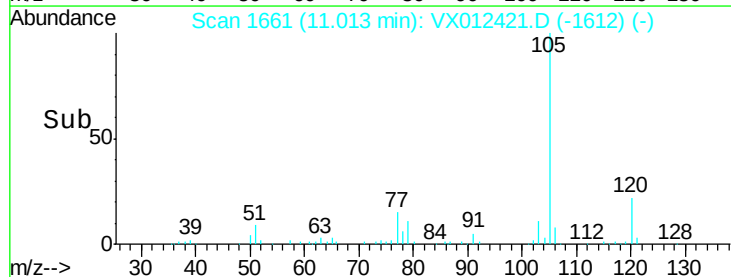
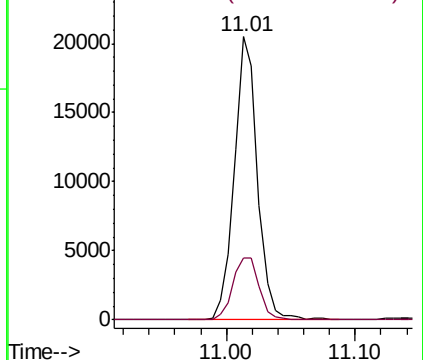
105 100

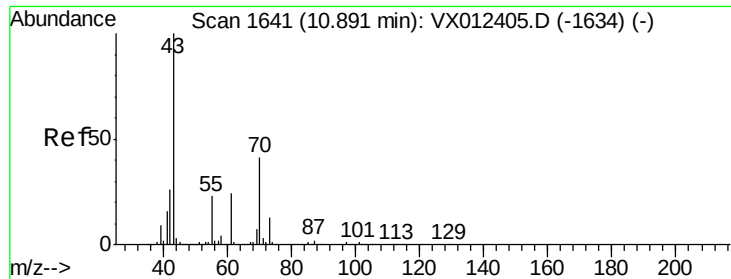
120 25.2 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-ethyl acetate

Concen: 0.629 ug/l

RT: 10.90 min Scan# 1643

Delta R.T. 0.01 min

Lab File: VX012421.D

Acq: 16 Sep 2019 21:25

Instrument :

MSVOA_X

ClientSampled :

SB-0278

Tgt Ion: 43 Resp: 2407

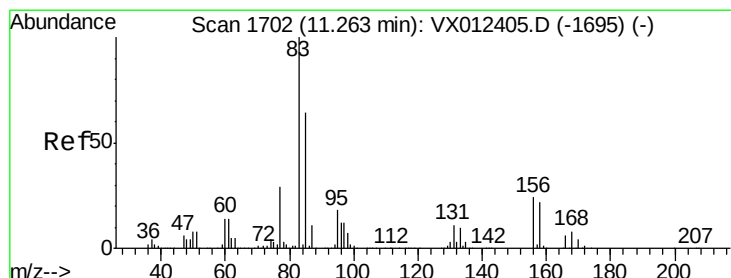
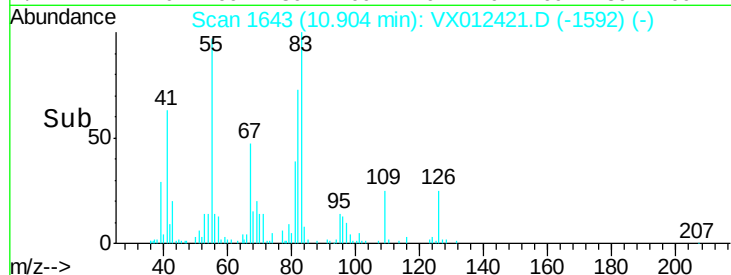
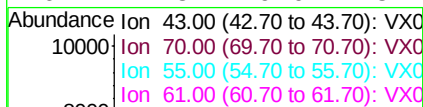
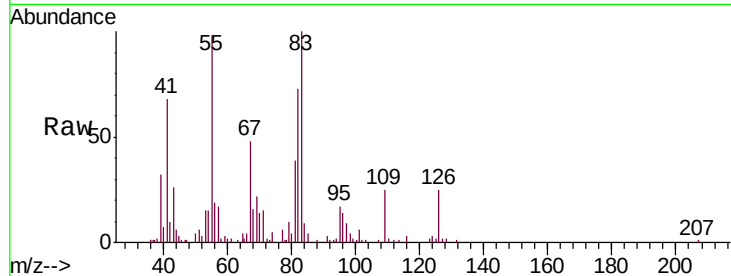
Ion Ratio Lower Upper

43 100

70 115.6 32.7 49.1#

55 497.7 18.9 28.3#

61 14.8 19.0 28.4#



#75

1,1,2,2-Tetrachloroethane

Concen: 1.128 ug/l

RT: 11.28 min Scan# 1704

Delta R.T. 0.01 min

Lab File: VX012421.D

Acq: 16 Sep 2019 21:25

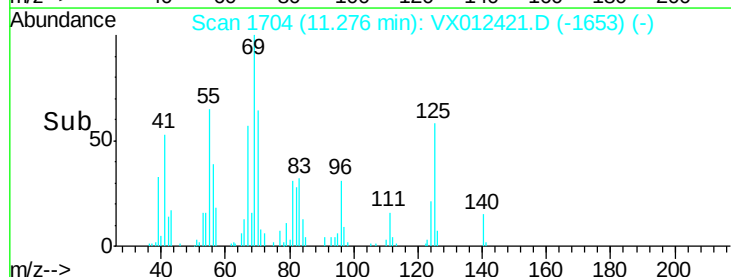
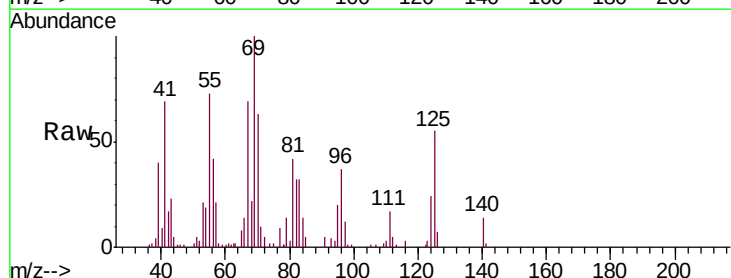
Tgt Ion: 83 Resp: 3263

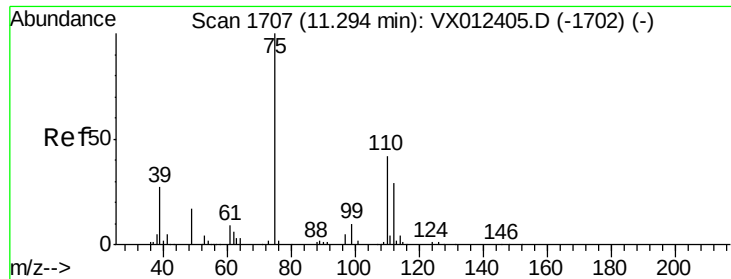
Ion Ratio Lower Upper

83 100

131 0.0 5.5 16.4#

85 25.8 32.9 98.7#





#76

1,2,3-Trichloropropane

Concen: 24.497 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012421.D

Acq: 16 Sep 2019 21:25

Instrument :

MSVOA_X

ClientSampleId :

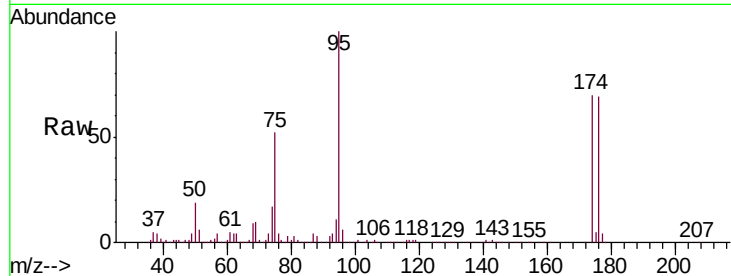
SB-0278

Tgt Ion: 75 Resp: 65753

Ion Ratio Lower Upper

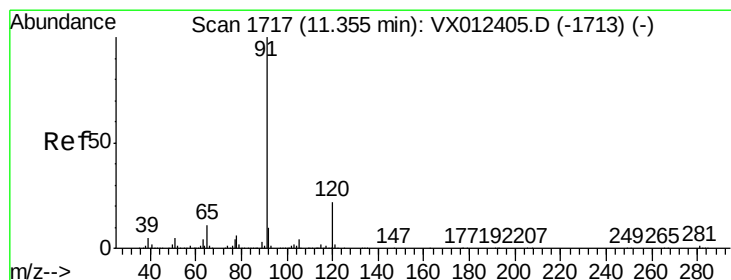
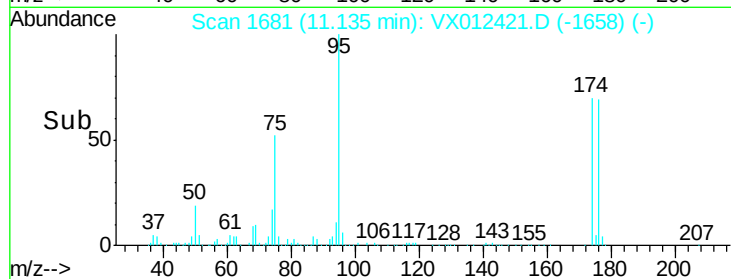
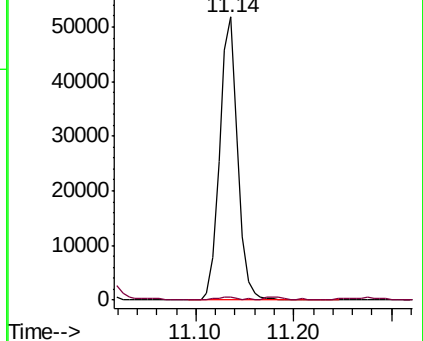
75 100

77 1.1 19.4 58.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#78

n-propylbenzene

Concen: 3.387 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX012421.D

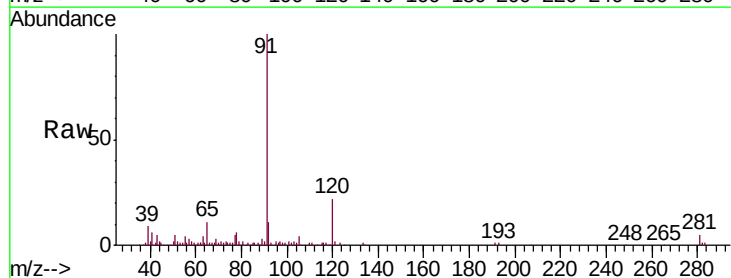
Acq: 16 Sep 2019 21:25

Tgt Ion: 91 Resp: 27616

Ion Ratio Lower Upper

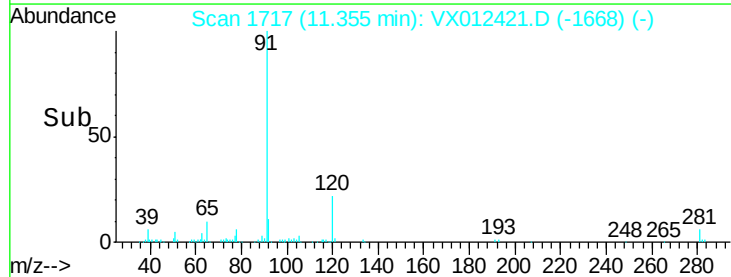
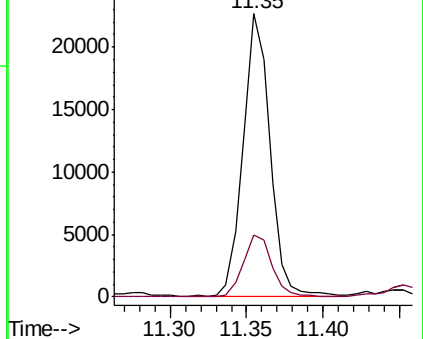
91 100

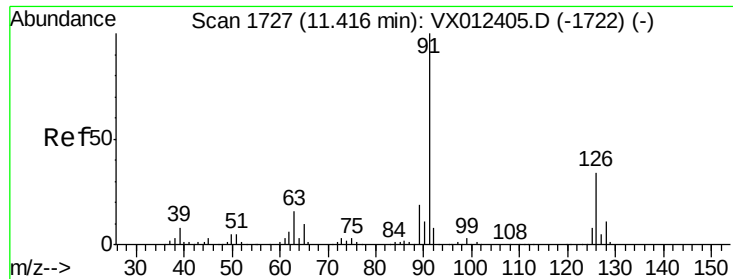
120 23.2 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

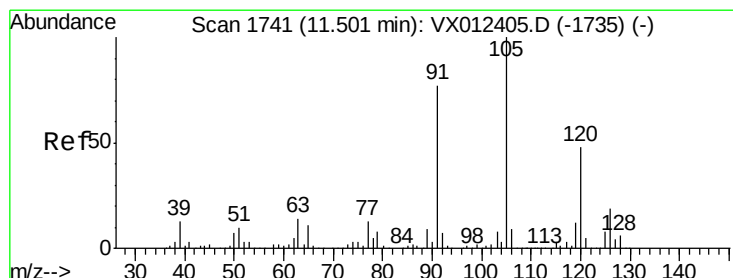
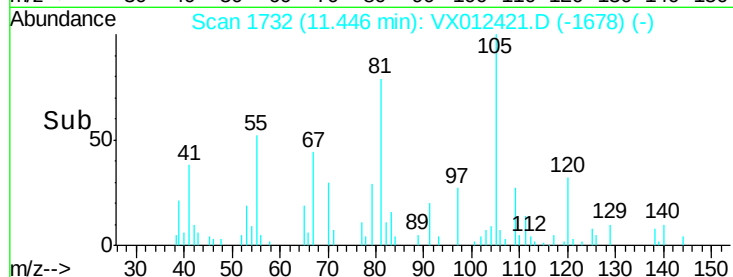
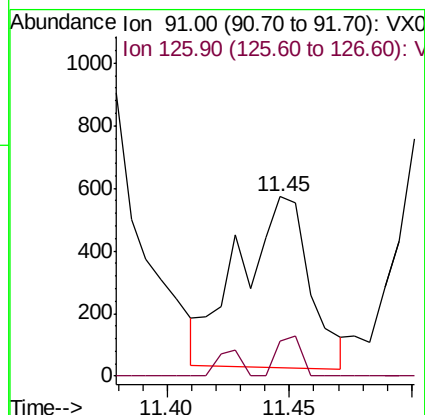
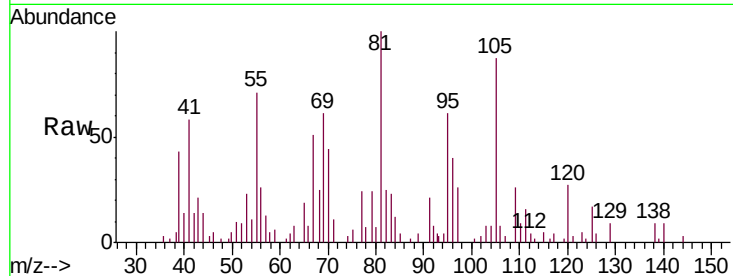




#79
 2-Chlorotoluene
 Concen: 0.208 ug/l
 RT: 11.45 min Scan# 1732
 Delta R.T. 0.03 min
 Lab File: VX012421.D
 Acq: 16 Sep 2019 21:25

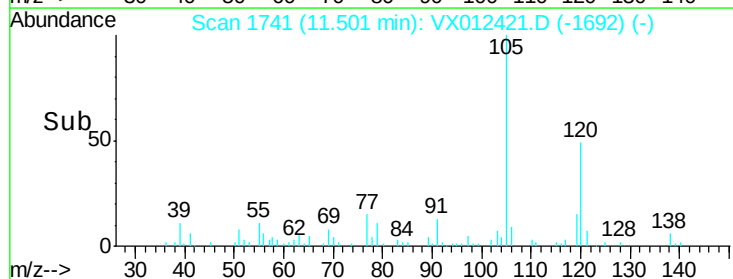
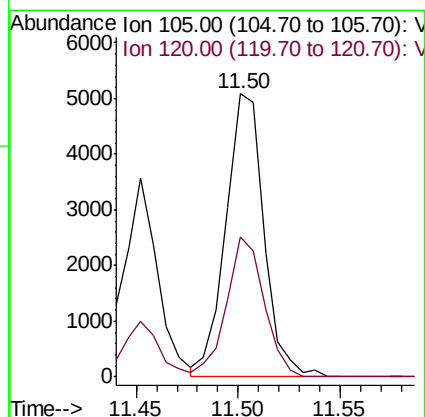
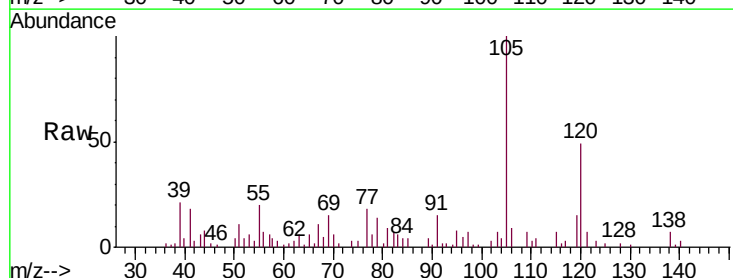
Instrument :
 MSVOA_X
 ClientSampleID :
 SB-0278

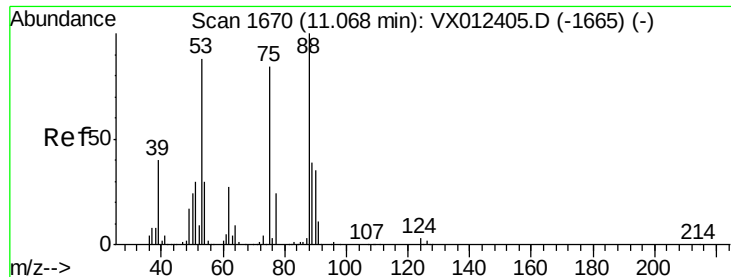
Tgt Ion: 91 Resp: 1088
 Ion Ratio Lower Upper
 91 100
 126 8.1 16.4 49.2#



#80
 1,3,5-Trimethylbenzene
 Concen: 1.047 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX012421.D
 Acq: 16 Sep 2019 21:25

Tgt Ion: 105 Resp: 6575
 Ion Ratio Lower Upper
 105 100
 120 48.5 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 69.154 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012421.D

Acq: 16 Sep 2019 21:25

Instrument :

MSVOA_X

ClientSampleId :

SB-0278

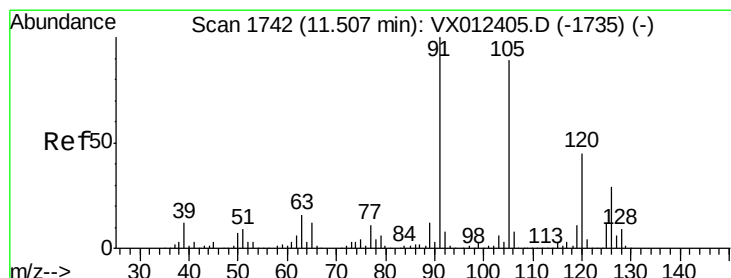
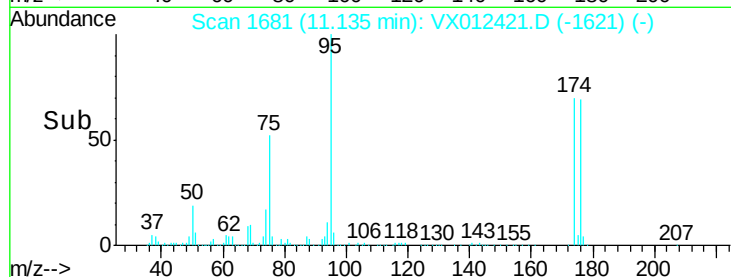
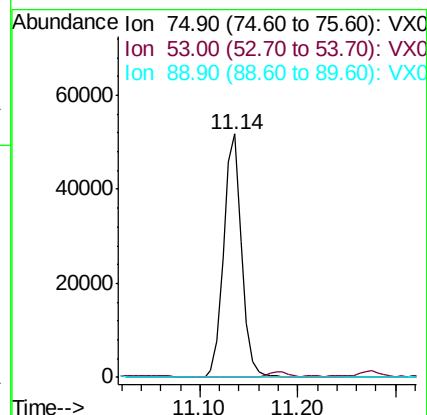
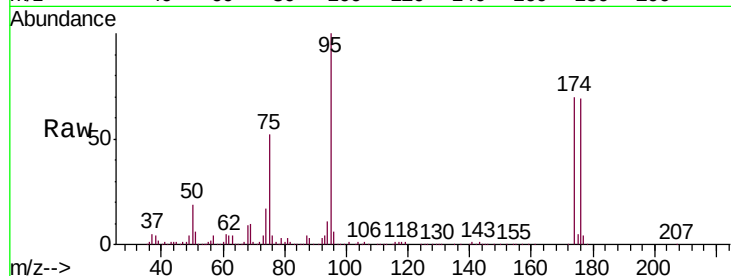
Tgt Ion: 75 Resp: 65753

Ion Ratio Lower Upper

75 100

53 0.0 84.6 127.0#

89 0.2 38.8 58.2#



#82

4-Chlorotoluene

Concen: 0.217 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.01 min

Lab File: VX012421.D

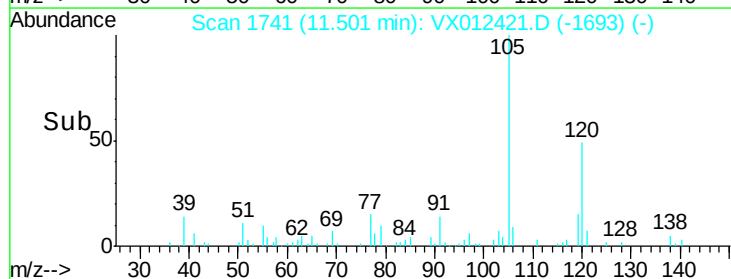
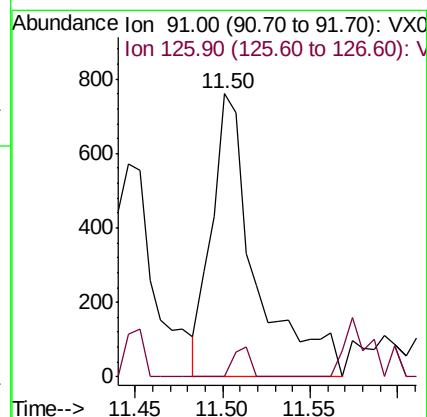
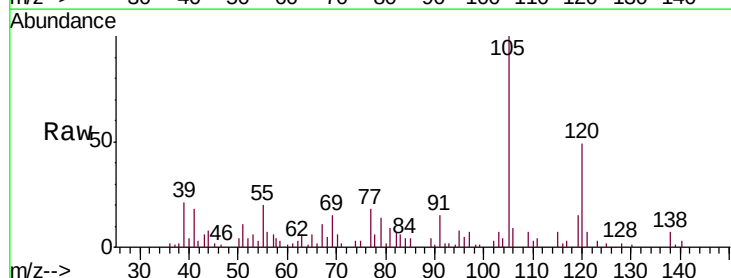
Acq: 16 Sep 2019 21:25

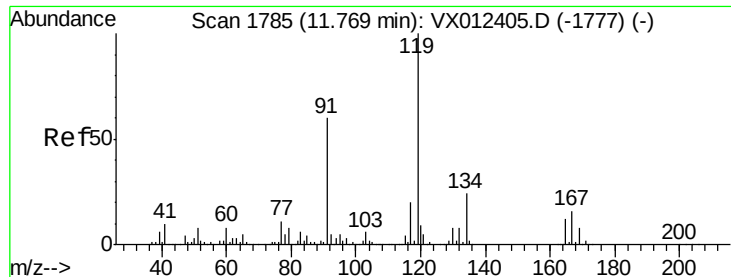
Tgt Ion: 91 Resp: 1324

Ion Ratio Lower Upper

91 100

126 4.0 14.1 42.3#

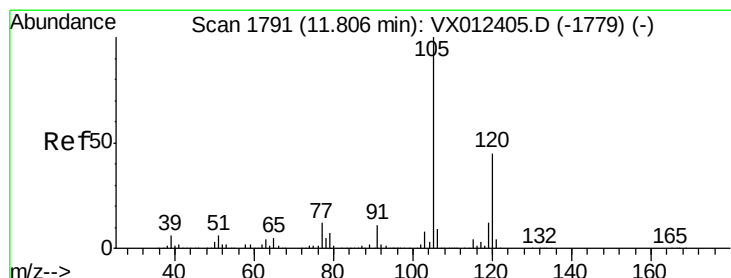
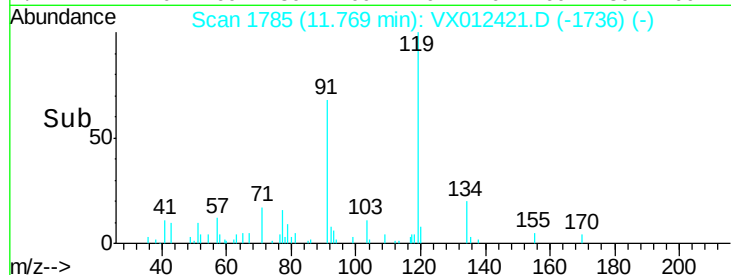
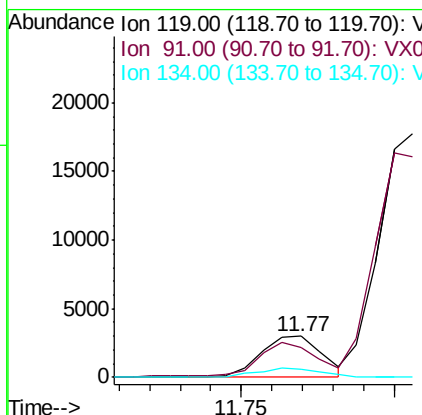
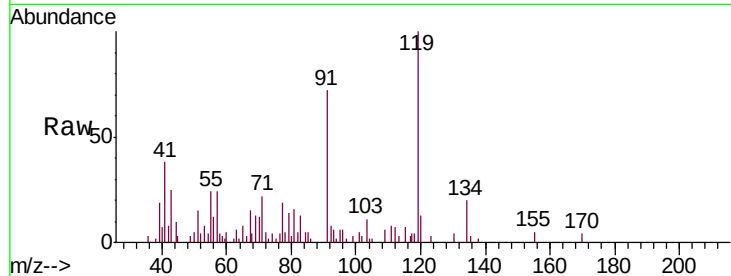




#83
 tert-Butylbenzene
 Concen: 0.631 ug/l
 RT: 11.77 min Scan# 1785
 Delta R.T. 0.00 min
 Lab File: VX012421.D
 Acq: 16 Sep 2019 21:25

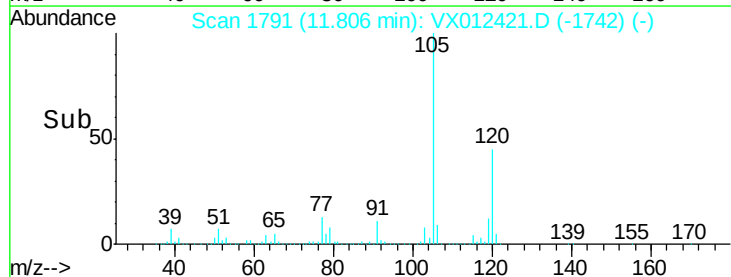
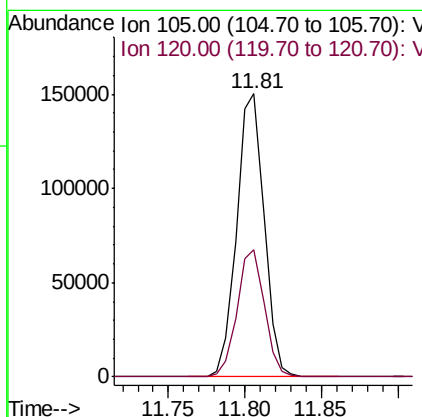
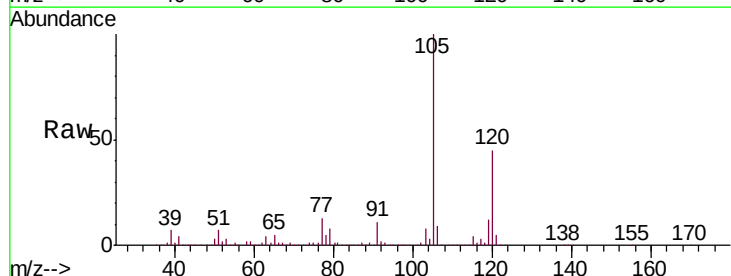
Instrument :
 MSVOA_X
 ClientSampleId :
 SB-0278

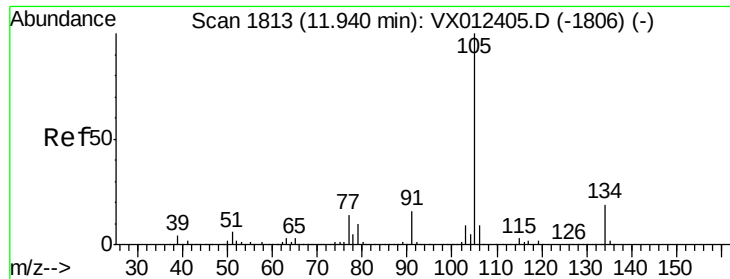
Tgt Ion:119 Resp: 4201
 Ion Ratio Lower Upper
 119 100
 91 79.3 29.6 88.8
 134 22.4 11.4 34.1



#84
 1,2,4-Trimethylbenzene
 Concen: 29.280 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX012421.D
 Acq: 16 Sep 2019 21:25

Tgt Ion:105 Resp: 186624
 Ion Ratio Lower Upper
 105 100
 120 45.1 22.1 66.5





#85

sec-Butylbenzene

Concen: 2.241 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX012421.D

Acq: 16 Sep 2019 21:25

Instrument :

MSVOA_X

ClientSampled :

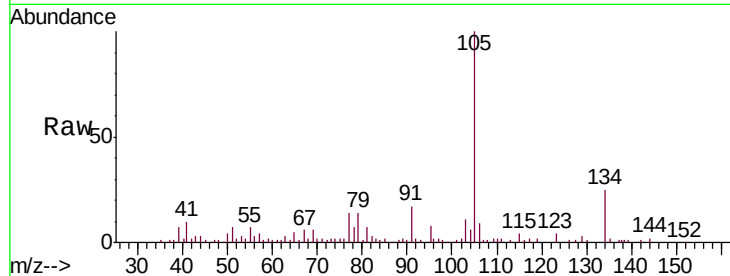
SB-0278

Tgt Ion:105 Resp: 16507

Ion Ratio Lower Upper

105 100

134 21.2 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

15000

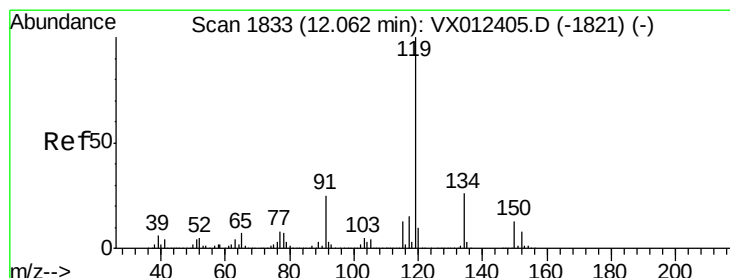
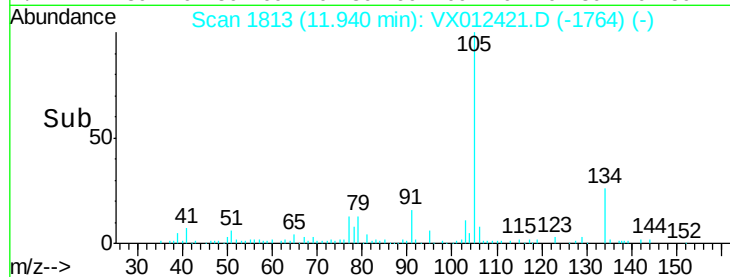
10000

5000

0

Time-->

11.90 11.95 12.00



#86

p-Isopropyltoluene

Concen: 4.424 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX012421.D

Acq: 16 Sep 2019 21:25

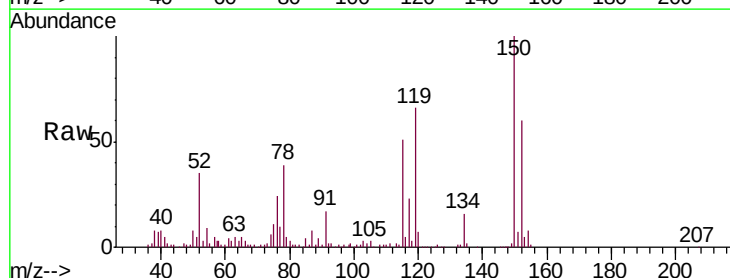
Tgt Ion:119 Resp: 29859

Ion Ratio Lower Upper

119 100

134 25.6 12.9 38.6

91 26.8 12.9 38.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

12.06

30000

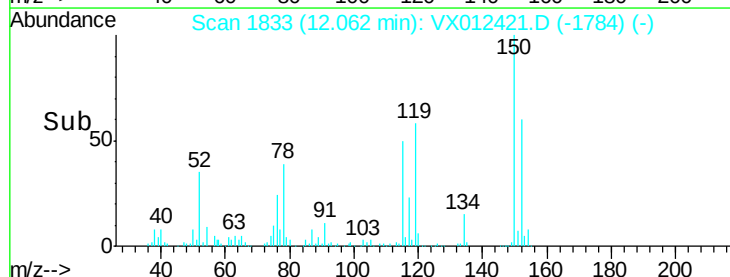
20000

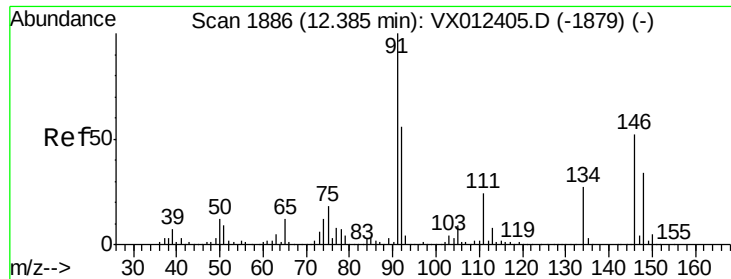
10000

0

Time-->

12.05 12.10





#89

n-Butylbenzene

Concen: 3.333 ug/l

RT: 12.38 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX012421.D

Acq: 16 Sep 2019 21:25

Instrument :

MSVOA_X

ClientSampled :

SB-0278

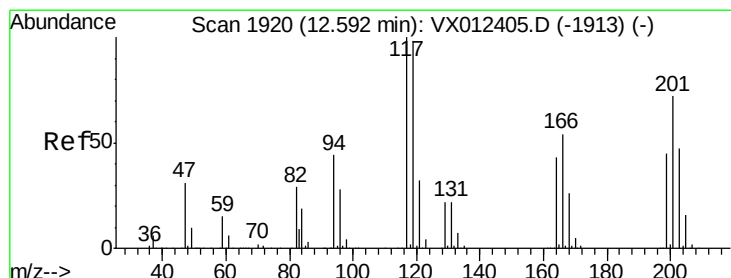
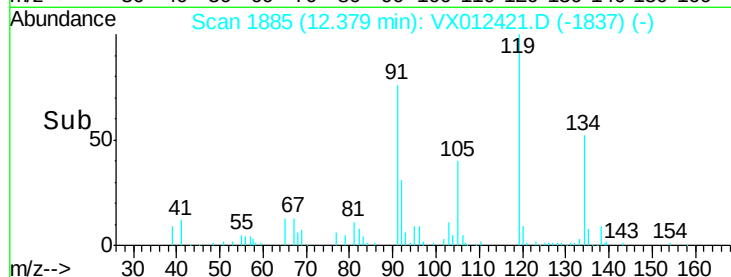
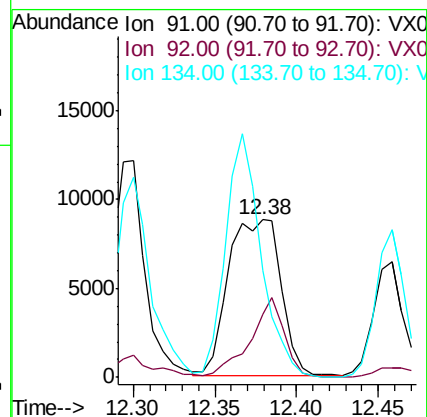
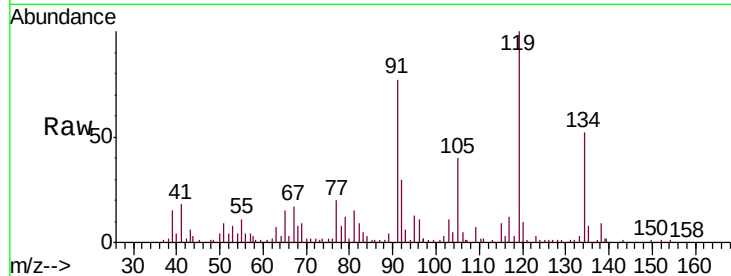
Tgt Ion: 91 Resp: 19863

Ion Ratio Lower Upper

91 100

92 33.0 27.5 82.4

134 104.9 13.2 39.6#



#90

Hexachloroethane

Concen: 9.518 ug/l

RT: 12.60 min Scan# 1922

Delta R.T. 0.01 min

Lab File: VX012421.D

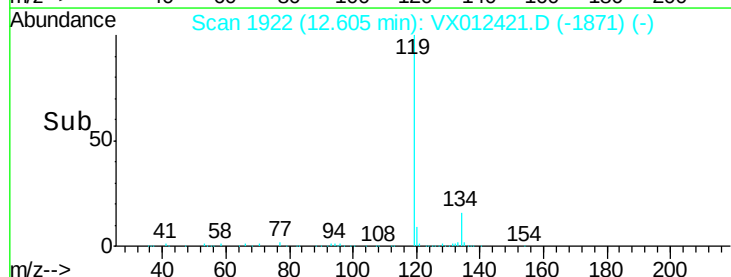
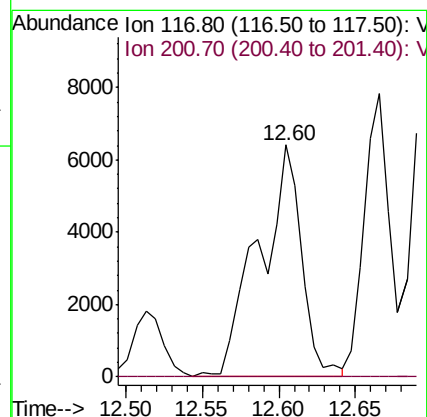
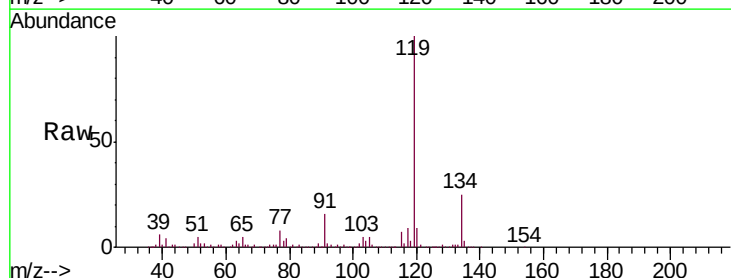
Acq: 16 Sep 2019 21:25

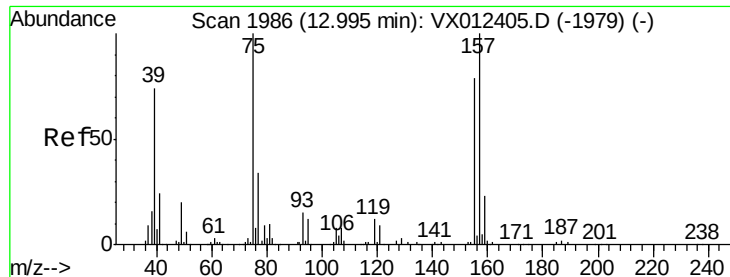
Tgt Ion: 117 Resp: 12418

Ion Ratio Lower Upper

117 100

201 0.0 35.2 105.6#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.074 ug/l

RT: 12.98 min Scan# 1983

Delta R.T. -0.02 min

Lab File: VX012421.D

Acq: 16 Sep 2019 21:25

Instrument :

MSVOA_X

ClientSampleId :

SB-0278

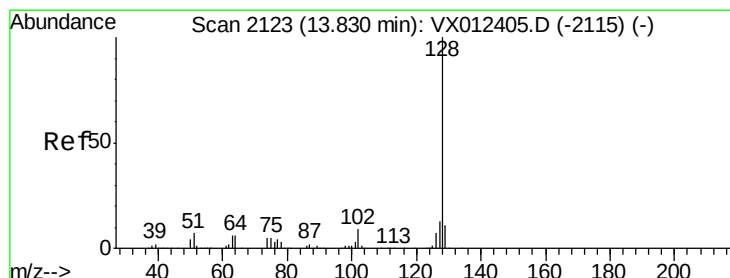
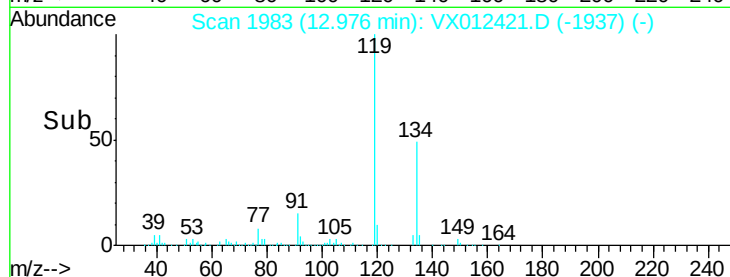
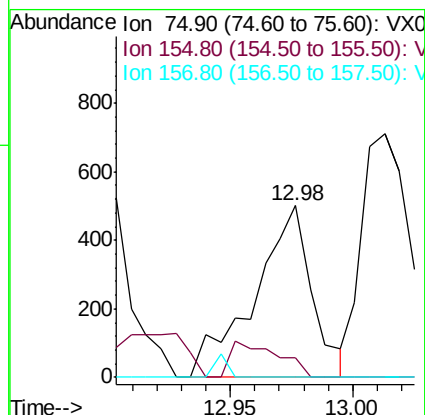
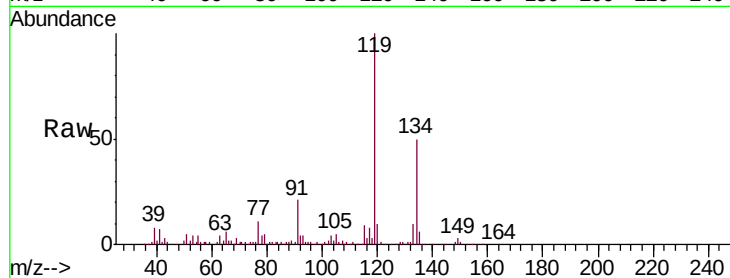
Tgt Ion: 75 Resp: 821

Ion Ratio Lower Upper

75 100

155 0.0 39.8 119.4#

157 0.0 50.0 150.1#



#95

Naphthalene

Concen: 6.850 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX012421.D

Acq: 16 Sep 2019 21:25

Tgt Ion: 128 Resp: 57522

Ion Ratio Lower Upper

128 100

127 14.8 10.2 15.4

129 16.6 8.6 13.0#

