

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX070920\
 Data File : VX017319.D
 Acq On : 09 Jul 2020 19:36
 Operator : JC/SP
 Sample : L3217-13 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 E3-41-VAT

Quant Time: Jul 10 07:07:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062920W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 29 17:10:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	251431	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	412471	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	432408	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	230313	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	162125	52.30	ug/l	0.00
Spiked Amount			Recovery	=	104.60%	
35) Dibromofluoromethane	5.47	113	136529	52.33	ug/l	0.00
Spiked Amount			Recovery	=	104.66%	
50) Toluene-d8	8.70	98	512925	53.16	ug/l	0.00
Spiked Amount			Recovery	=	106.32%	
62) 4-Bromofluorobenzene	11.12	95	209382	55.52	ug/l	0.00
Spiked Amount			Recovery	=	111.04%	

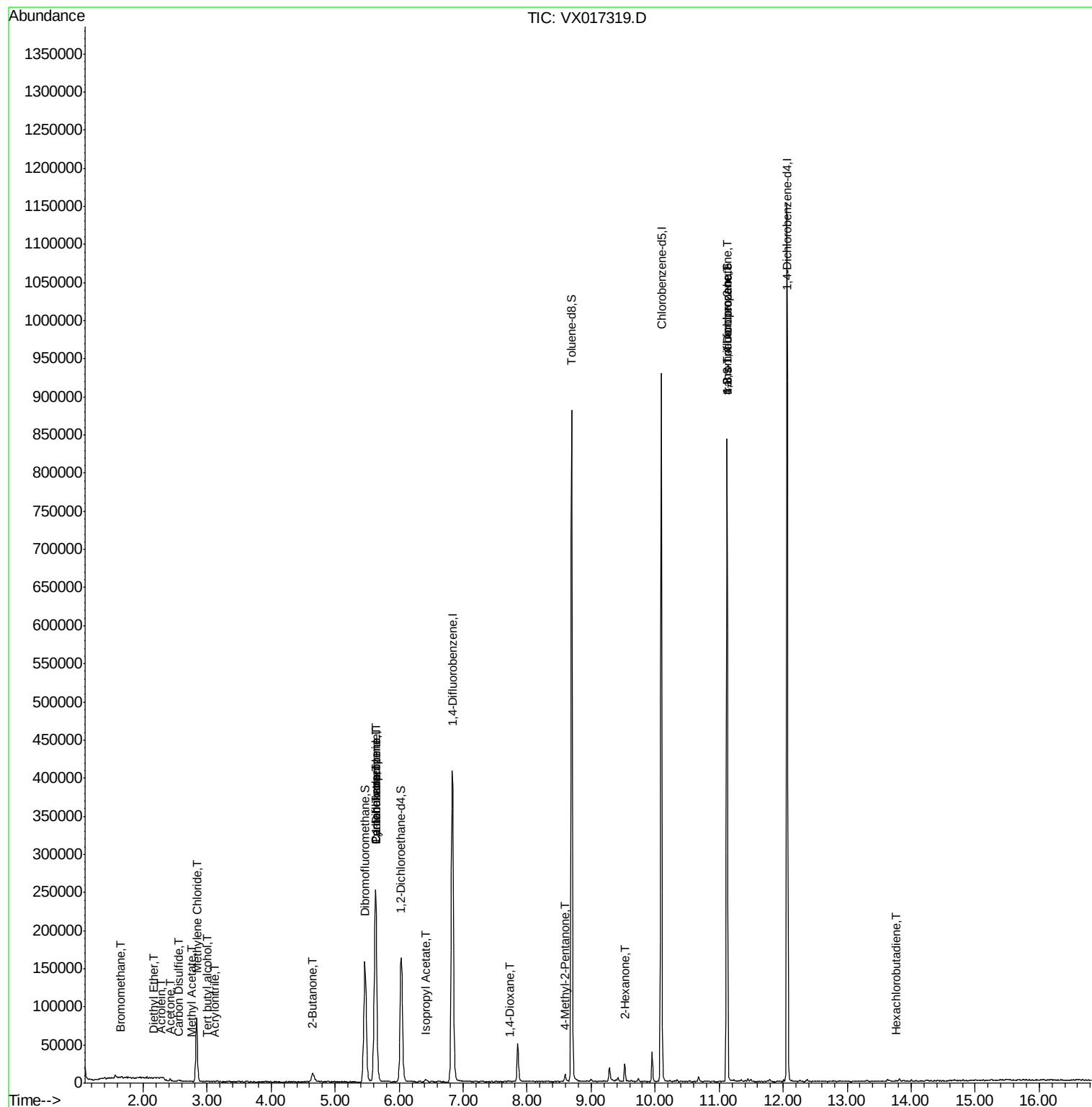
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	441	0.306	ug/l #	7
8) Diethyl Ether	2.17	74	232	0.535	ug/l	91
11) Tert butyl alcohol	3.01	59	573	0.969	ug/l	96
13) Acrolein	2.28	56	668	1.890	ug/l #	15
15) Acrylonitrile	3.11	53	346	0.243	ug/l #	76
16) Acetone	2.42	43	2615	2.255	ug/l	90
17) Carbon Disulfide	2.55	76	1271	0.206	ug/l #	62
18) Methyl Acetate	2.76	43	706	0.233	ug/l	91
20) Methylene Chloride	2.84	84	38143	13.776	ug/l	93
25) 2-Butanone	4.65	43	1362	0.705	ug/l #	78
31) Cyclohexane	5.63	56	4781	1.142	ug/l #	2
36) 1,1-Dichloropropene	5.63	75	18062	4.633	ug/l #	50
38) Carbon Tetrachloride	5.63	117	24306	5.661	ug/l #	19
43) Isopropyl Acetate	6.42	43	3971	0.604	ug/l	95
44) Trichloroethene	7.19	130	180	Below Cal		53
49) 1,4-Dioxane	7.73	88	26	0.368	ug/l #	1
51) 4-Methyl-2-Pentanone	8.60	43	3878	0.990	ug/l #	52
59) 2-Hexanone	9.52	43	2797	0.978	ug/l	68
76) 1,2,3-Trichloropropane	11.12	75	103980	22.959	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	103980	59.455	ug/l #	13
88) 1,4-Dichlorobenzene	12.09	146	815	Below Cal	#	25
94) Hexachlorobutadiene	13.76	225	111	0.904	ug/l #	33

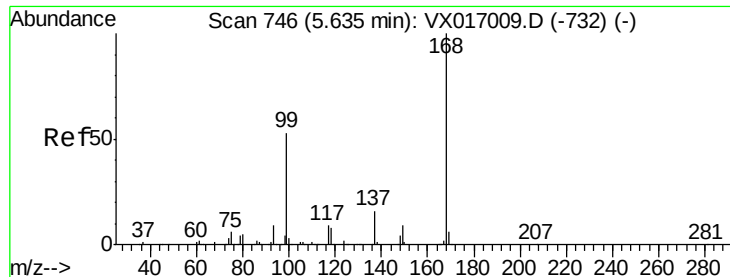
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX070920\
Data File : VX017319.D
Acq On : 09 Jul 2020 19:36
Operator : JC/SP
Sample : L3217-13 20X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
E3-41-VAT

Quant Time: Jul 10 07:07:13 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X062920W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 29 17:10:38 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX017319.D

Acq: 09 Jul 2020 19:36

Instrument :

MSVOA_X

ClientSampled :

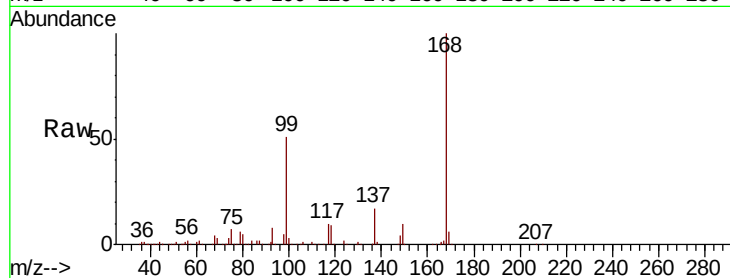
E3-41-VAT

Tot Ion:168 Resp: 251431

Ion Ratio Lower Upper

168 100

99 51.0 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

80000

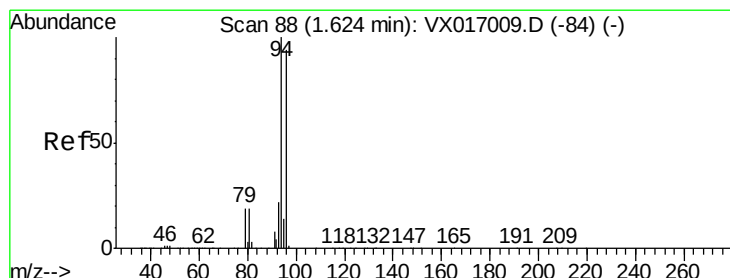
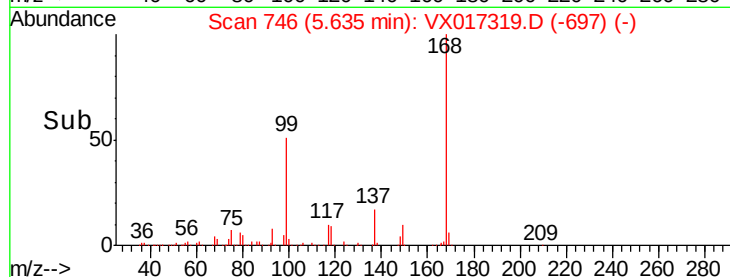
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.306 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX017319.D

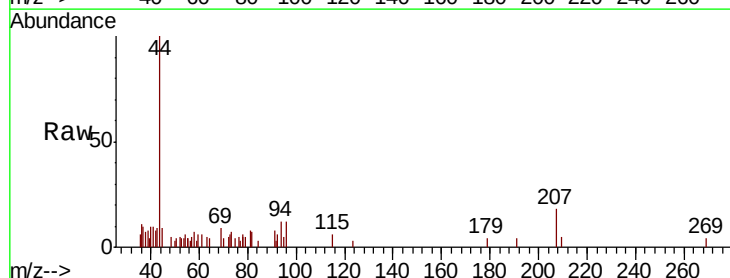
Acq: 09 Jul 2020 19:36

Tgt Ion: 94 Resp: 441

Ion Ratio Lower Upper

94 100

96 4.0 75.0 112.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

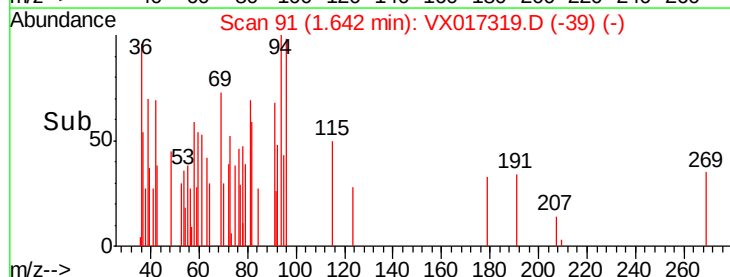
300

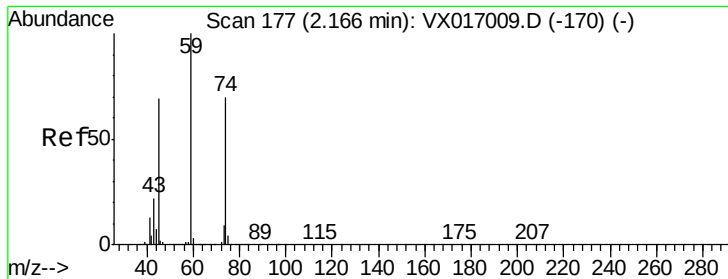
200

100

0

Time-->





#8

Diethyl Ether

Concen: 0.535 ug/l

RT: 2.17 min Scan# 178

Delta R.T. 0.01 min

Lab File: VX017319.D

Acq: 09 Jul 2020 19:36

Instrument :

MSVOA_X

ClientSampleId :

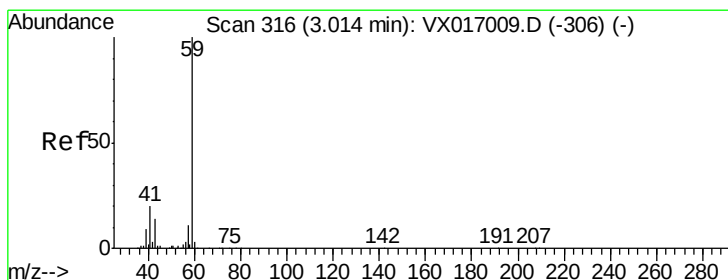
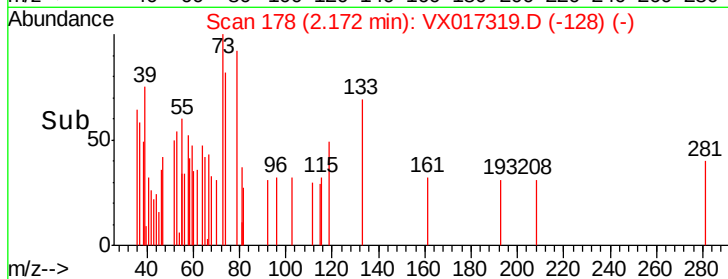
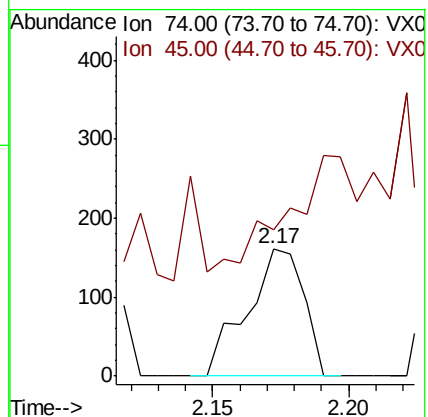
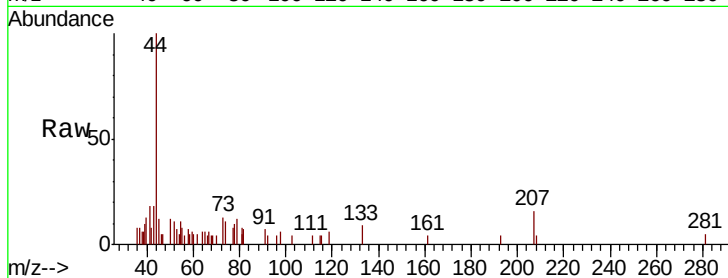
E3-41-VAT

Tot Ion: 74 Resp: 232

Ion Ratio Lower Upper

74 100

45 90.9 49.8 149.3



#11

Tert butyl alcohol

Concen: 0.969 ug/l

RT: 3.01 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX017319.D

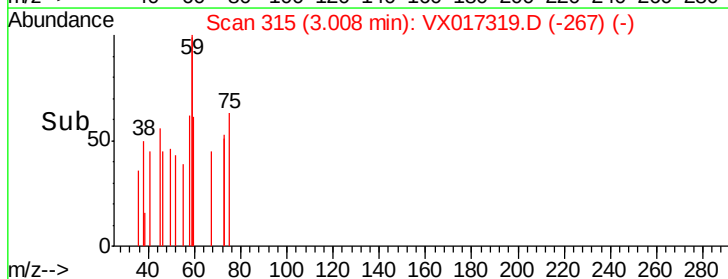
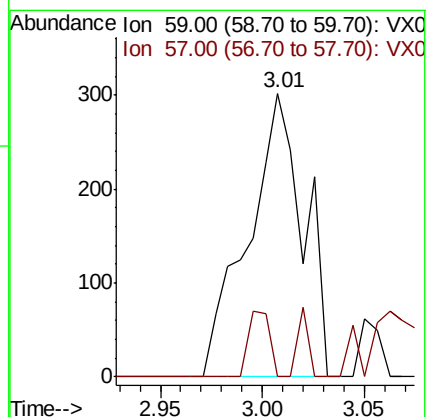
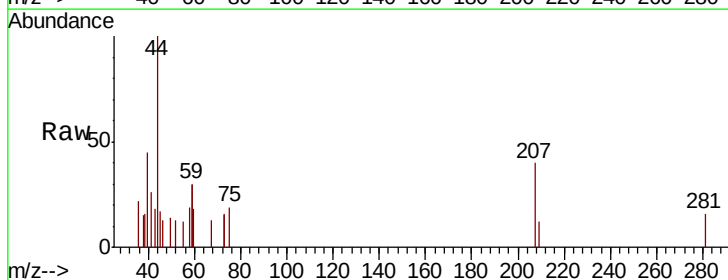
Acq: 09 Jul 2020 19:36

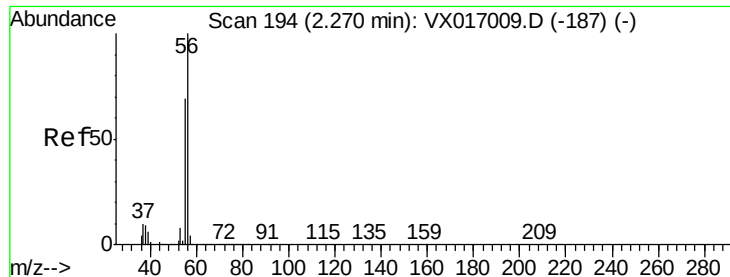
Tgt Ion: 59 Resp: 573

Ion Ratio Lower Upper

59 100

57 8.7 8.2 12.2





#13

Acrolein

Concen: 1.890 ug/l

RT: 2.28 min Scan# 196

Delta R.T. 0.01 min

Lab File: VX017319.D

Acq: 09 Jul 2020 19:36

Instrument :

MSVOA_X

ClientSampleId :

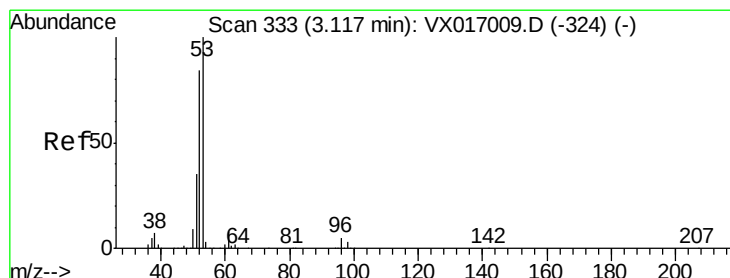
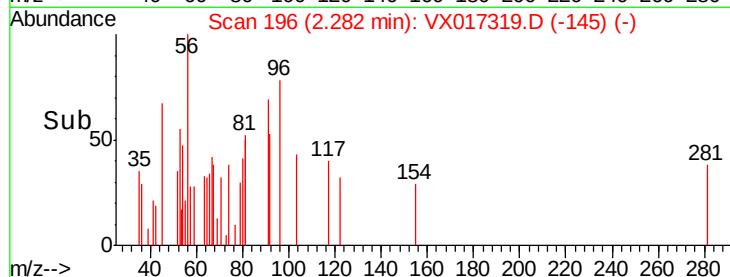
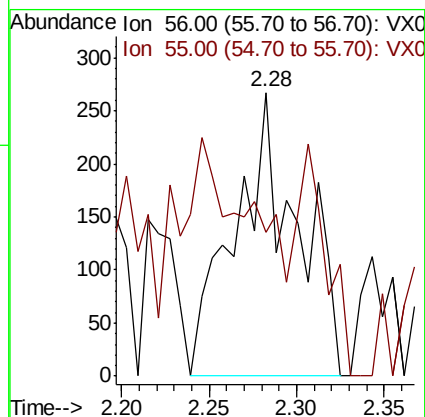
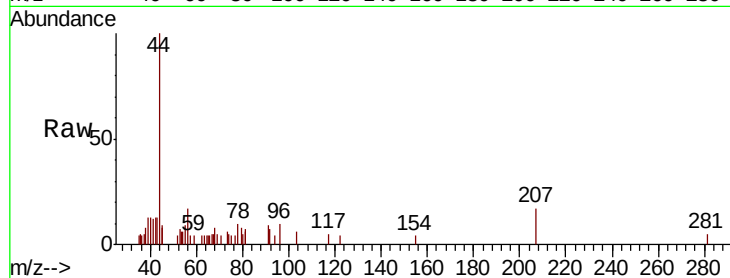
E3-41-VAT

Tot Ion: 56 Resp: 668

Ion Ratio Lower Upper

56 100

55 0.0 55.7 83.5#



#15

Acrylonitrile

Concen: 0.243 ug/l

RT: 3.11 min Scan# 332

Delta R.T. -0.01 min

Lab File: VX017319.D

Acq: 09 Jul 2020 19:36

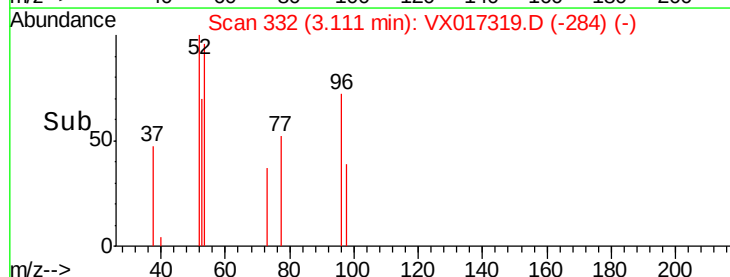
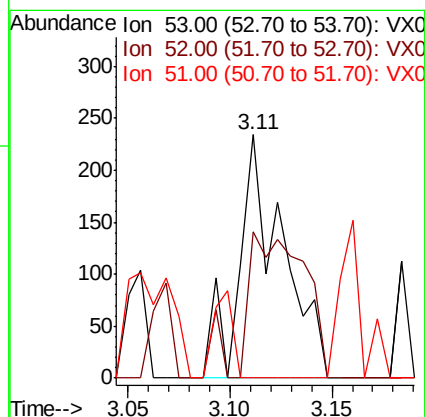
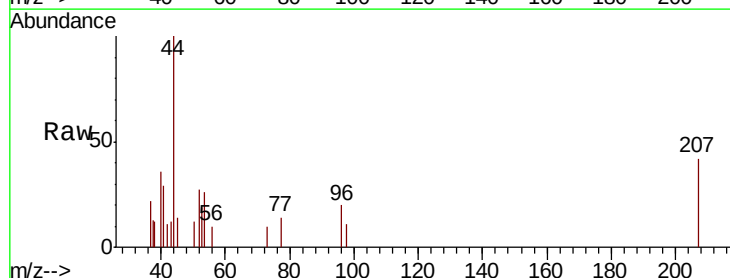
Tgt Ion: 53 Resp: 346

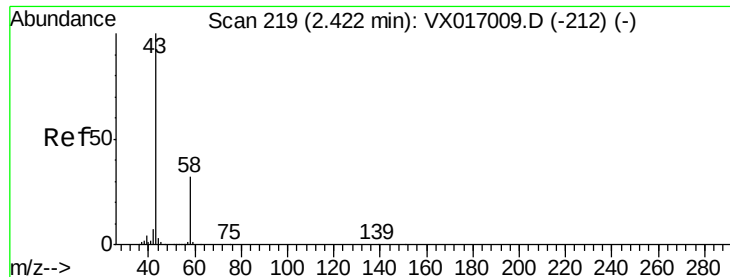
Ion Ratio Lower Upper

53 100

52 75.1 65.6 98.4

51 0.0 28.3 42.5#





#16

Acetone

Concen: 2.255 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX017319.D

Acq: 09 Jul 2020 19:36

Instrument :

MSVOA_X

ClientSampled :

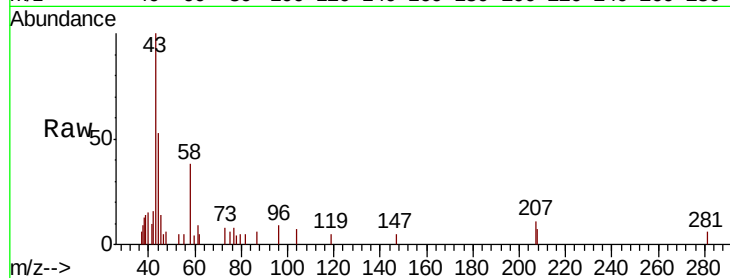
E3-41-VAT

Tot Ion: 43 Resp: 2615

Ion Ratio Lower Upper

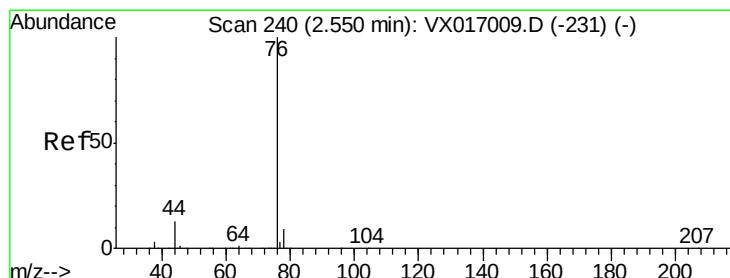
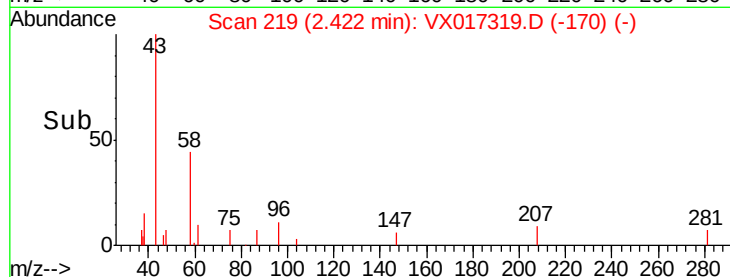
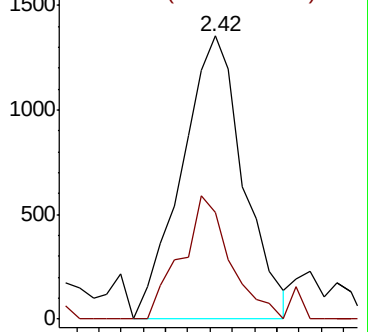
43 100

58 37.7 25.7 38.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.206 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX017319.D

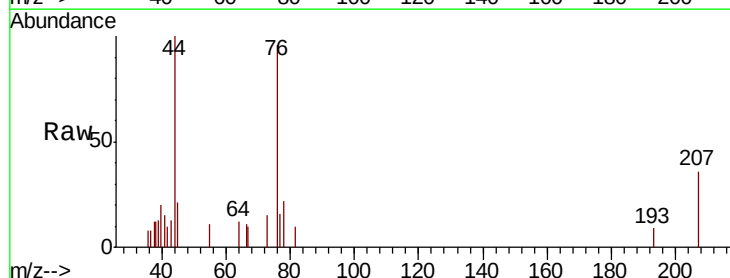
Acq: 09 Jul 2020 19:36

Tgt Ion: 76 Resp: 1271

Ion Ratio Lower Upper

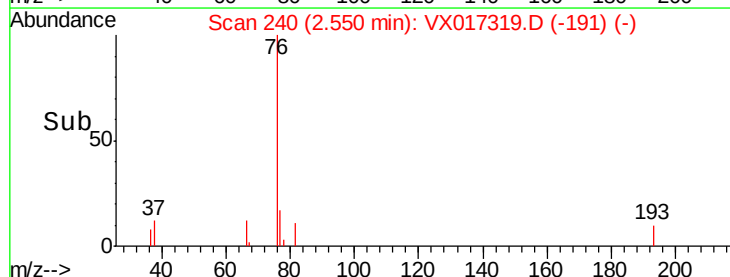
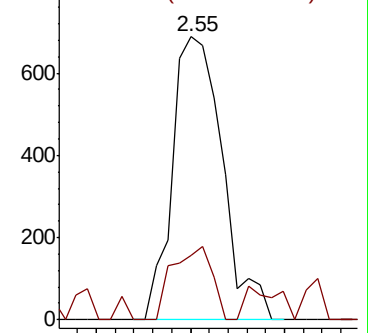
76 100

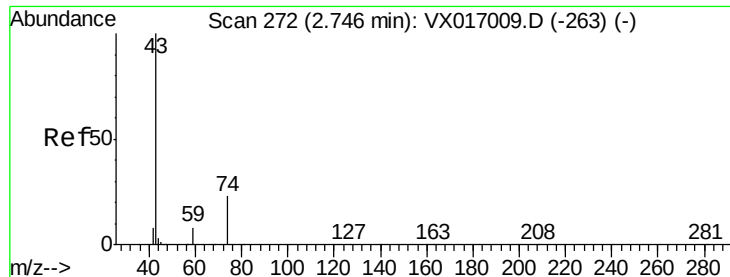
78 22.7 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

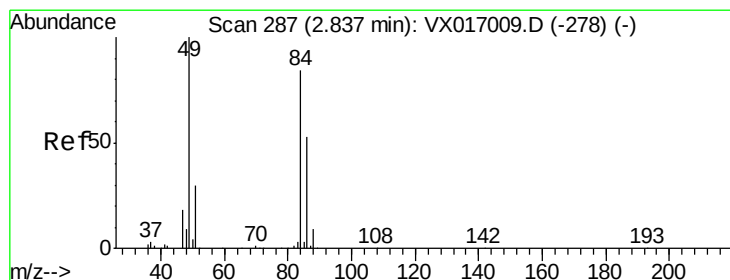
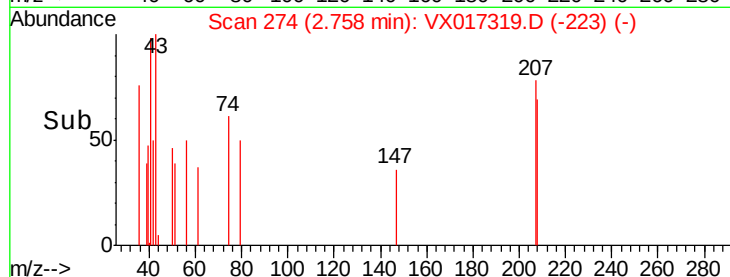
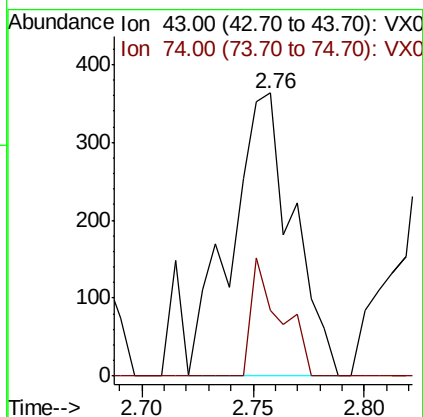
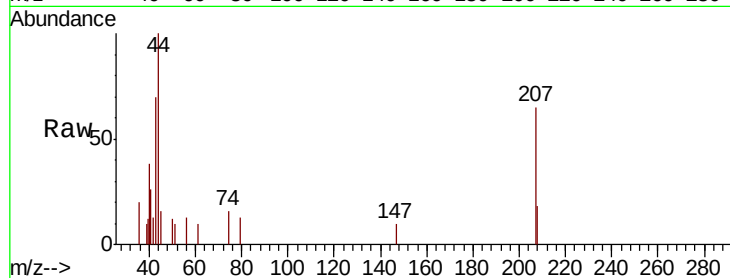




#18
Methyl Acetate
Concen: 0.233 ug/l
RT: 2.76 min Scan# 274
Delta R.T. 0.01 min
Lab File: VX017319.D
Acq: 09 Jul 2020 19:36

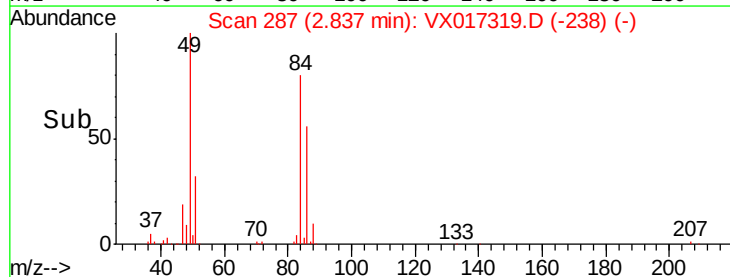
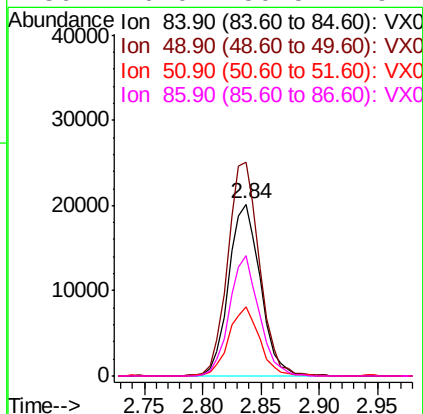
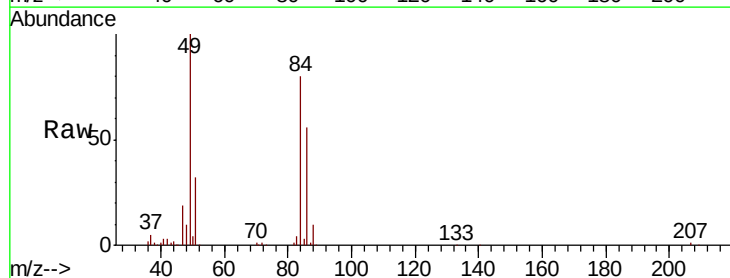
Instrument :
MSVOA_X
ClientSampleId :
E3-41-VAT

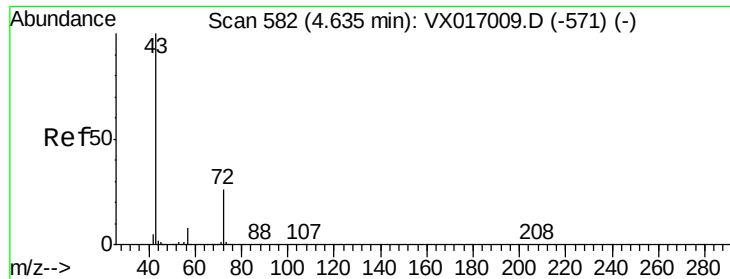
Tot Ion: 43 Resp: 706
Ion Ratio Lower Upper
43 100
74 19.7 19.3 28.9



#20
Methylene Chloride
Concen: 13.776 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX017319.D
Acq: 09 Jul 2020 19:36

Tgt Ion: 84 Resp: 38143
Ion Ratio Lower Upper
84 100
49 124.3 94.7 142.1
51 40.1 28.6 42.8
86 70.0 50.5 75.7

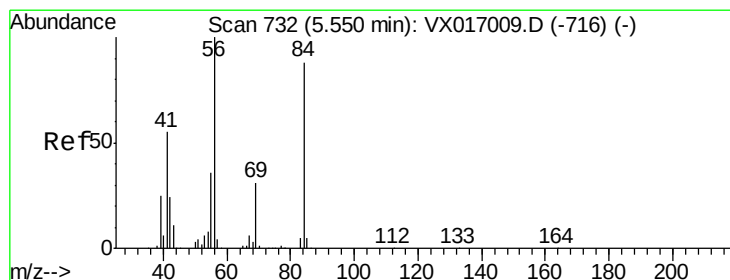
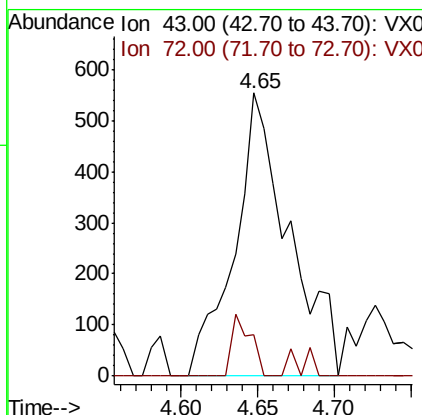
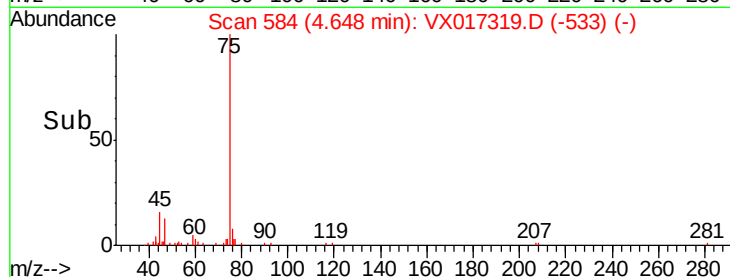
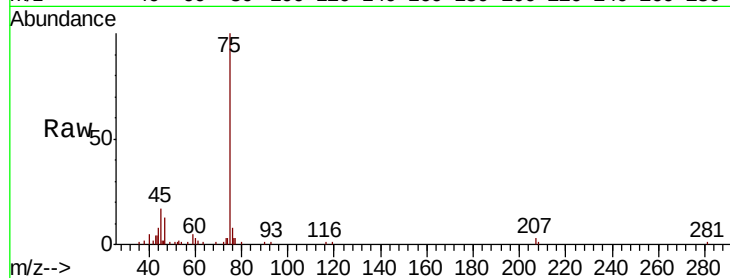




#25
2-Butanone
Concen: 0.705 ug/l
RT: 4.65 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX017319.D
Acq: 09 Jul 2020 19:36

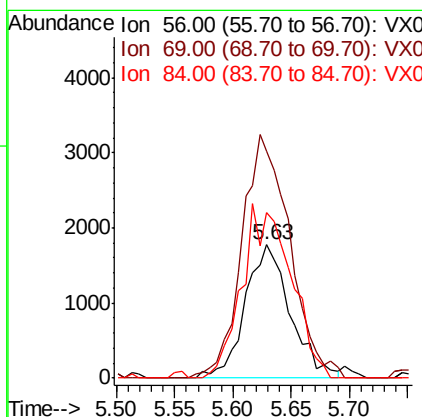
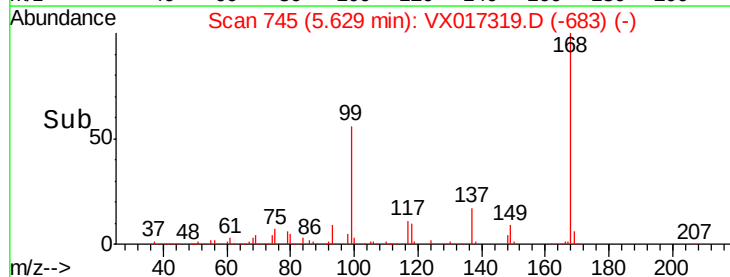
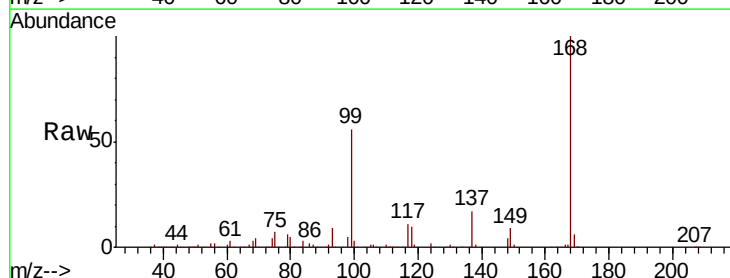
Instrument :
MSVOA_X
ClientSampled :
E3-41-VAT

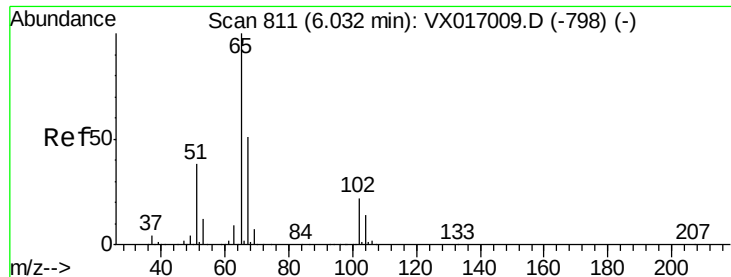
Tot Ion: 43 Resp: 1362
Ion Ratio Lower Upper
43 100
72 14.8 20.8 31.2#



#31
Cyclohexane
Concen: 1.142 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX017319.D
Acq: 09 Jul 2020 19:36

Tgt Ion: 56 Resp: 4781
Ion Ratio Lower Upper
56 100
69 170.7 25.0 37.4#
84 124.5 69.1 103.7#

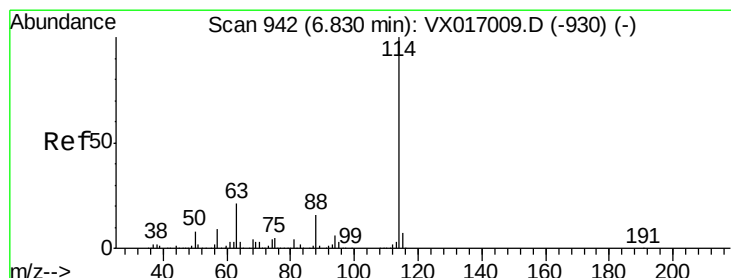
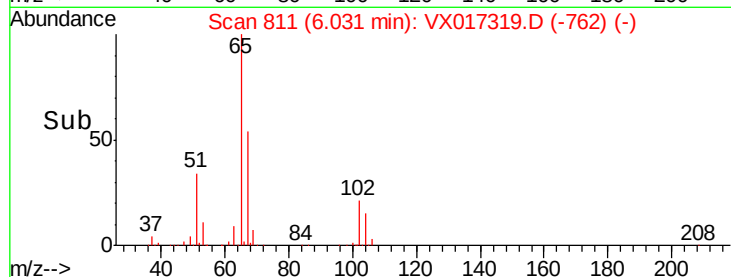
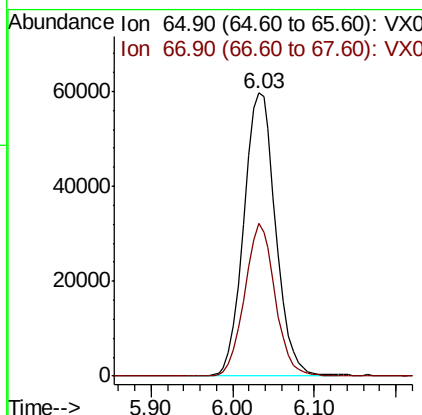
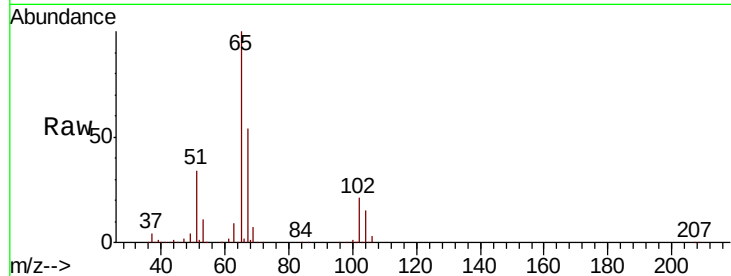




#33
 1,2-Dichloroethane-d4
 Concen: 52.304 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX017319.D
 Acq: 09 Jul 2020 19:36

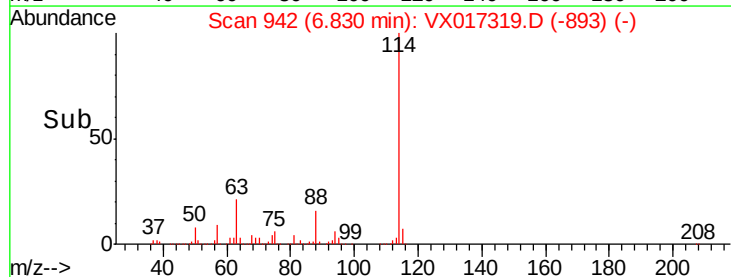
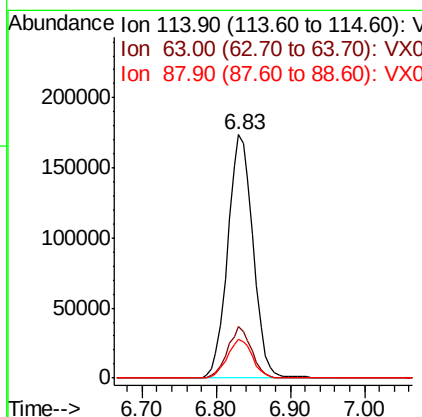
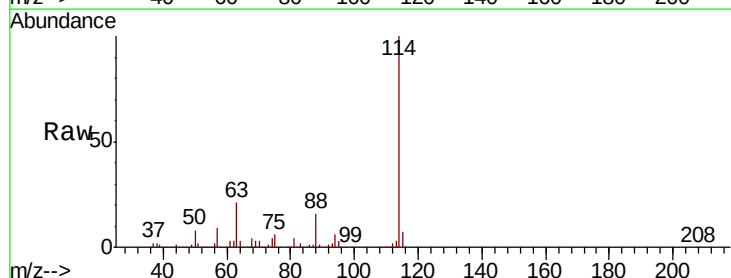
Instrument :
 MSVOA_X
 ClientSampleId :
 E3-41-VAT

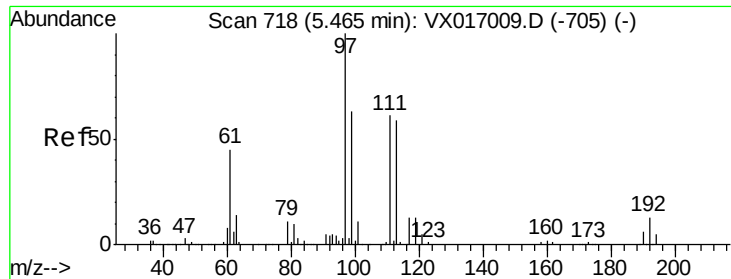
Tot Ion: 65 Resp: 162125
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX017319.D
 Acq: 09 Jul 2020 19:36

Tgt Ion: 114 Resp: 412471
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 41.4
 88 16.0 0.0 32.4

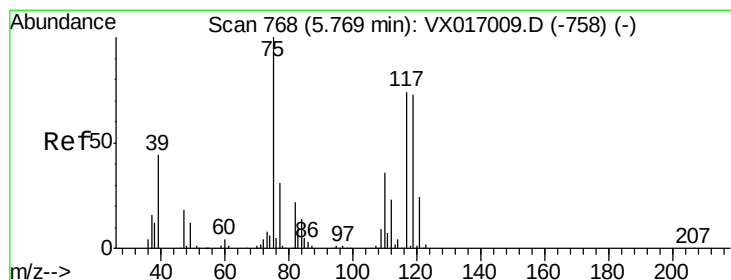
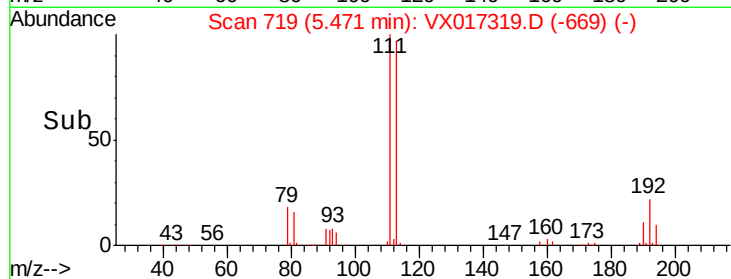
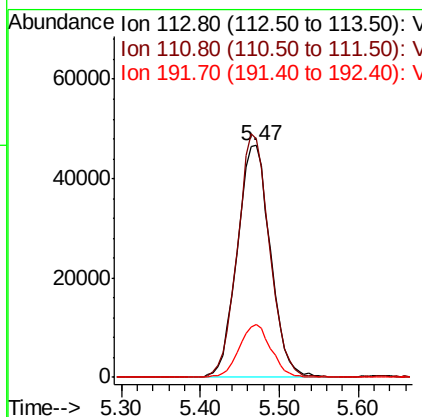
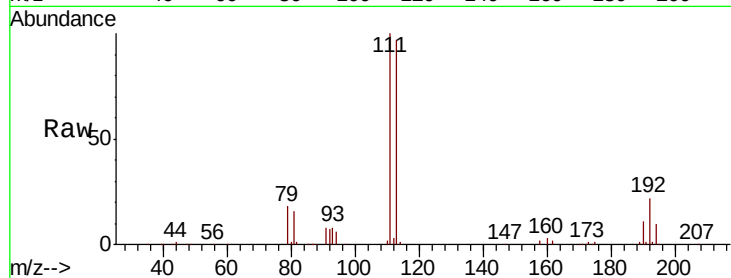




#35
 Dibromofluoromethane
 Concen: 52.327 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. 0.01 min
 Lab File: VX017319.D
 Acq: 09 Jul 2020 19:36

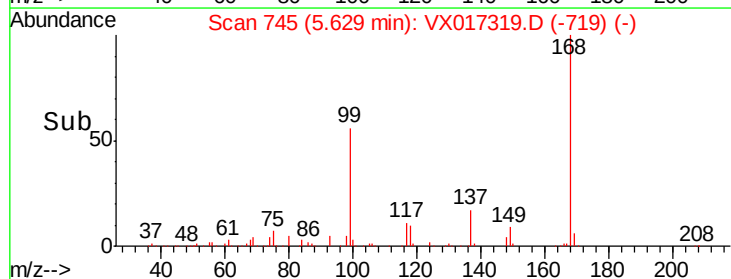
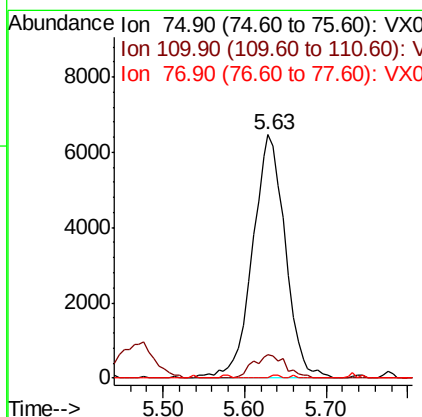
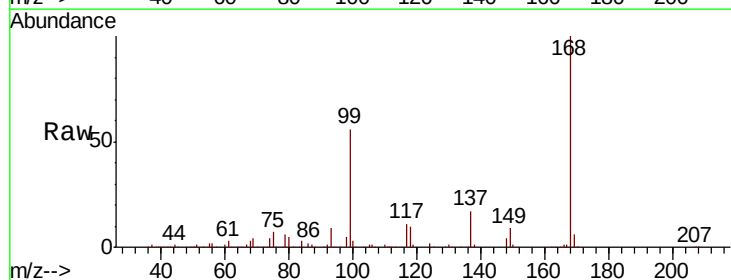
Instrument :
 MSVOA_X
 ClientSampleId :
 E3-41-VAT

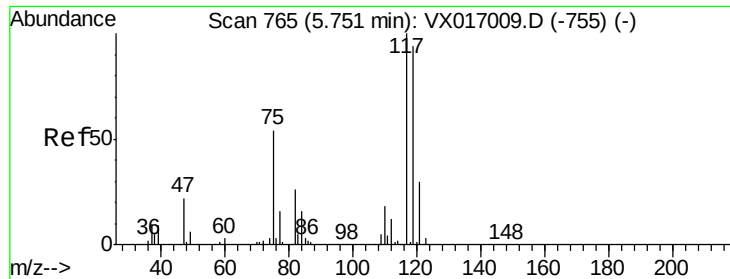
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.4	81.9	122.9
192	21.8	16.7	25.1



#36
 1,1-Dichloropropene
 Concen: 4.633 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX017319.D
 Acq: 09 Jul 2020 19:36

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.7	18.1	54.1#
77	0.3	24.6	37.0#





#38

Carbon Tetrachloride

Concen: 5.661 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX017319.D

Acq: 09 Jul 2020 19:36

Instrument :

MSVOA_X

ClientSampleId :

E3-41-VAT

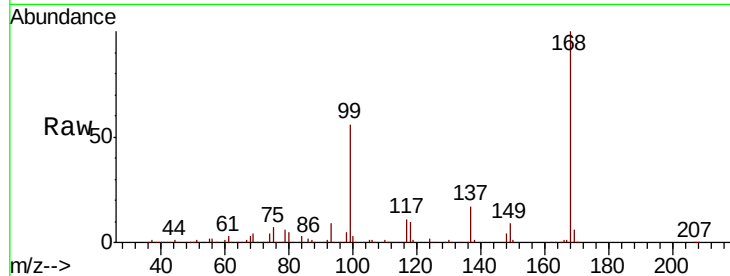
Tot Ion:117 Resp: 24306

Ion Ratio Lower Upper

117 100

119 7.7 75.4 113.0#

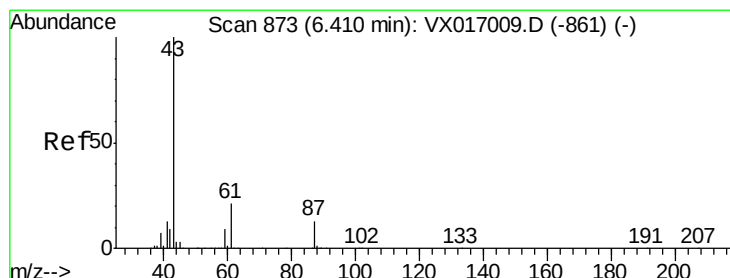
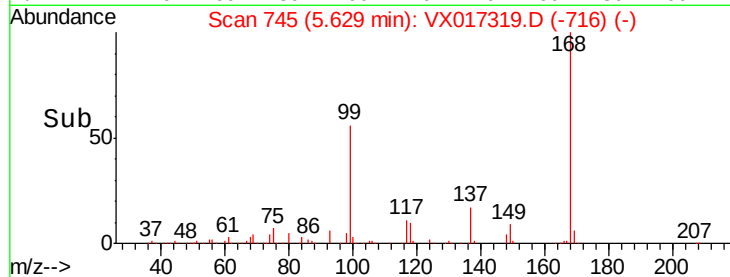
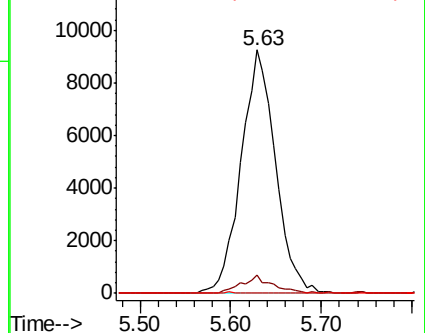
121 0.0 23.8 35.6#



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



#43

Isopropyl Acetate

Concen: 0.604 ug/l

RT: 6.42 min Scan# 874

Delta R.T. 0.01 min

Lab File: VX017319.D

Acq: 09 Jul 2020 19:36

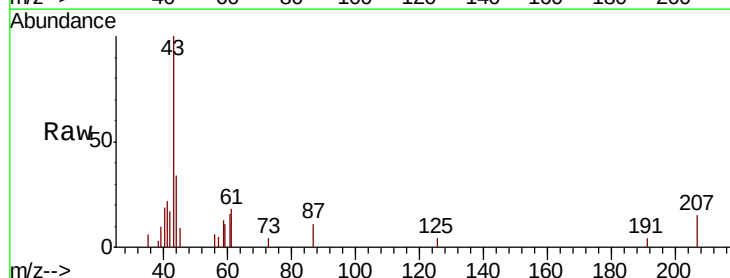
Tgt Ion: 43 Resp: 3971

Ion Ratio Lower Upper

43 100

61 22.9 16.2 24.2

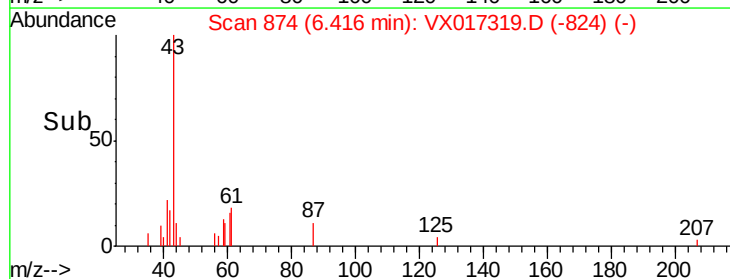
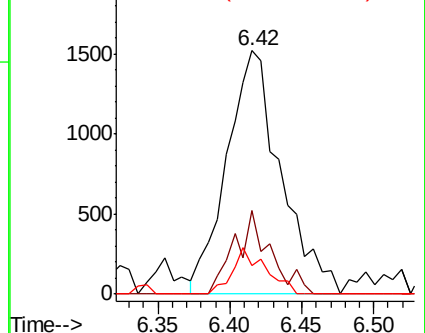
87 11.7 10.7 16.1

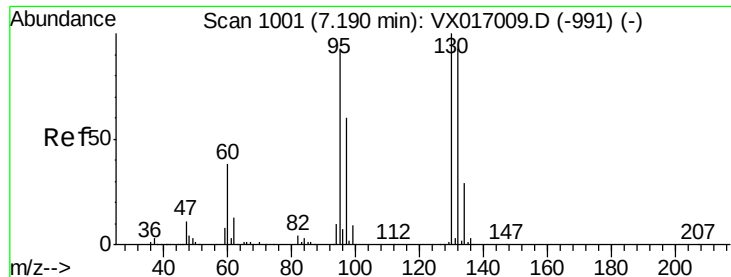


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#44

Trichloroethene

Concen: Below Cal

RT: 7.19 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VX017319.D

Acq: 09 Jul 2020 19:36

Instrument :

MSVOA_X

ClientSampleId :

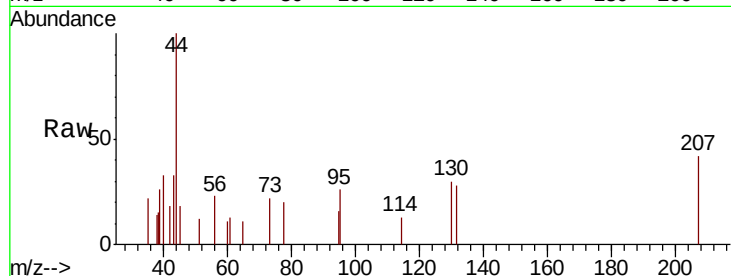
E3-41-VAT

Tot Ion:130 Resp: 180

Ion Ratio Lower Upper

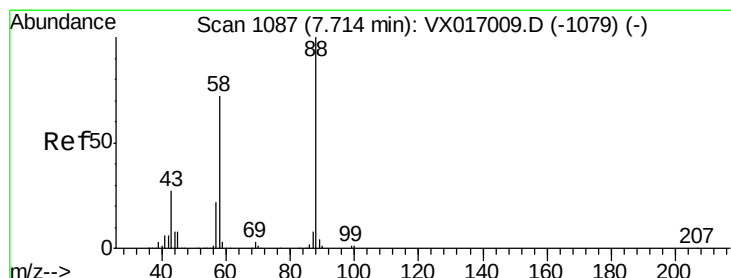
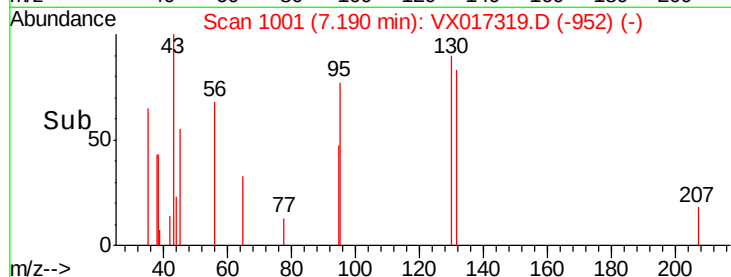
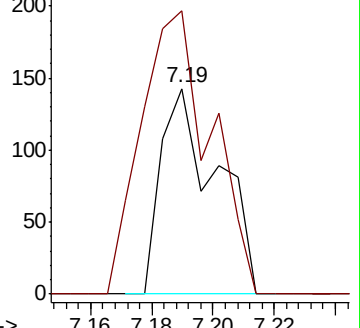
130 100

95 137.8 0.0 185.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 0.368 ug/l

RT: 7.73 min Scan# 1089

Delta R.T. 0.01 min

Lab File: VX017319.D

Acq: 09 Jul 2020 19:36

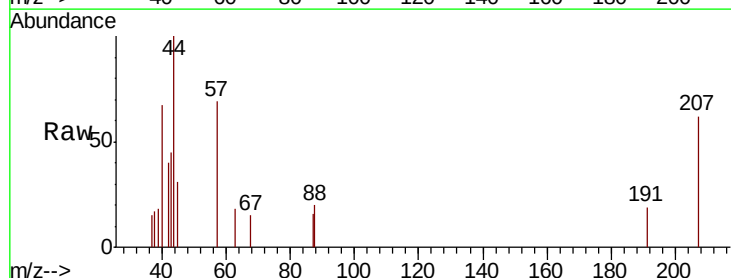
Tgt Ion: 88 Resp: 26

Ion Ratio Lower Upper

88 100

43 0.0 25.8 38.8#

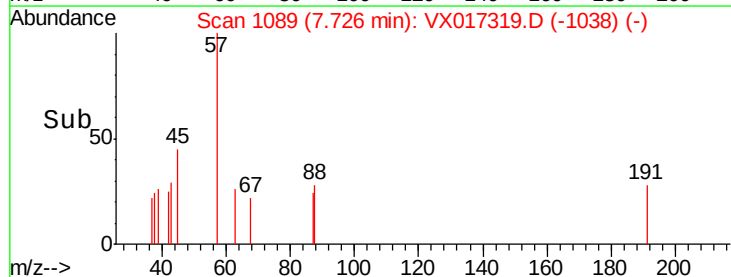
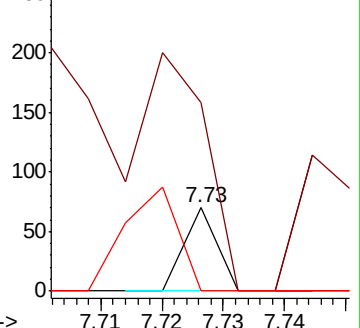
58 203.8 54.8 82.2#

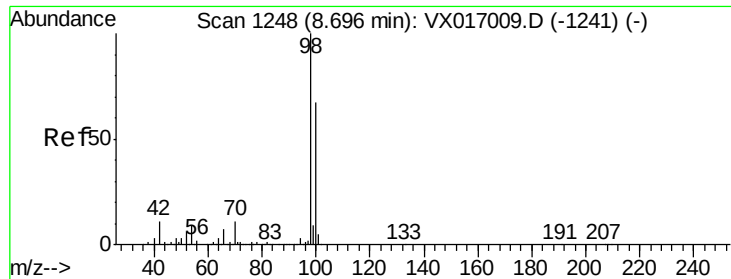


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

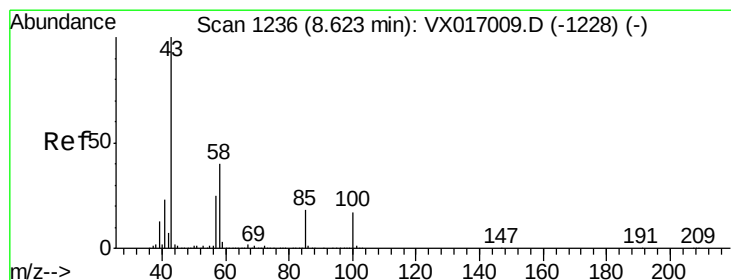
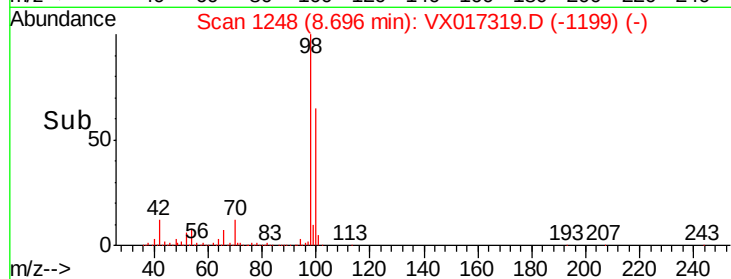
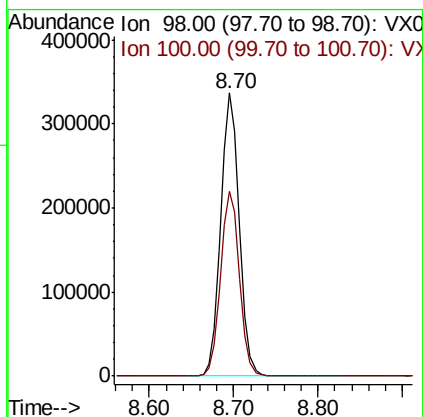
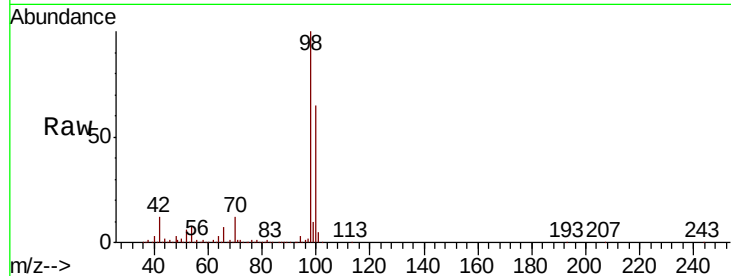




#50
Toluene-d8
Concen: 53.163 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX017319.D
Acq: 09 Jul 2020 19:36

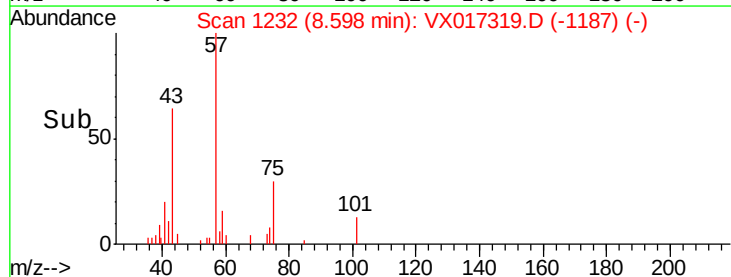
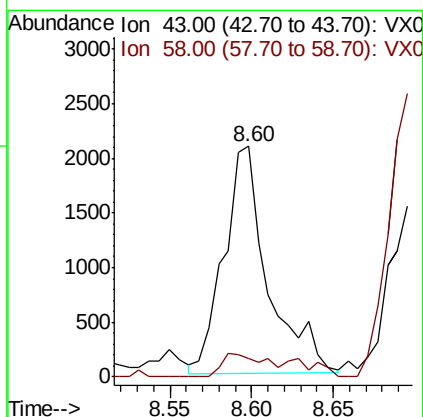
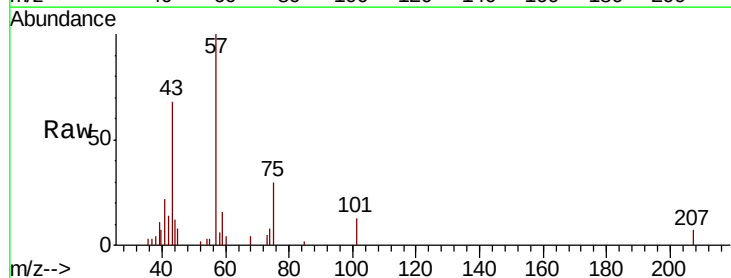
Instrument :
MSVOA_X
ClientSampleId :
E3-41-VAT

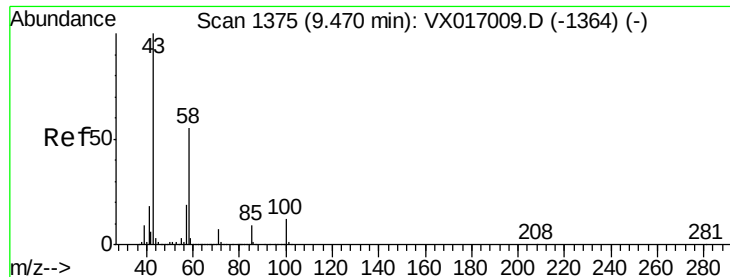
Tot Ion: 98 Resp: 512925
Ion Ratio Lower Upper
98 100
100 66.3 53.8 80.6



#51
4-Methyl-2-Pentanone
Concen: 0.990 ug/l
RT: 8.60 min Scan# 1232
Delta R.T. -0.02 min
Lab File: VX017319.D
Acq: 09 Jul 2020 19:36

Tgt Ion: 43 Resp: 3878
Ion Ratio Lower Upper
43 100
58 10.1 31.9 47.9#

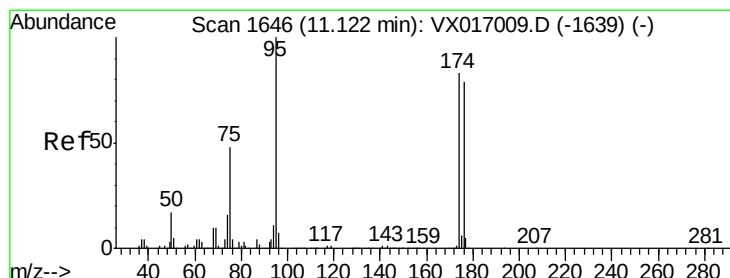
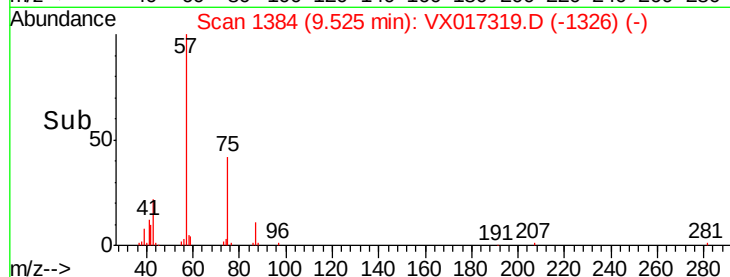
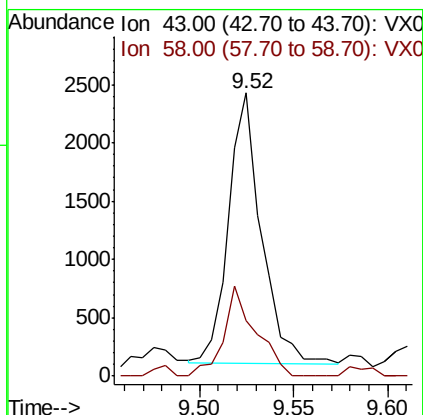
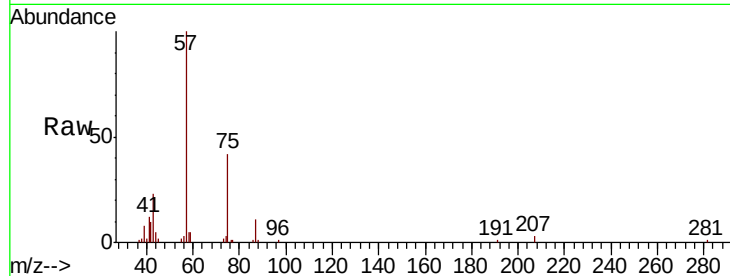




#59
2-Hexanone
Concen: 0.978 ug/l
RT: 9.52 min Scan# 1384
Delta R.T. 0.05 min
Lab File: VX017319.D
Acq: 09 Jul 2020 19:36

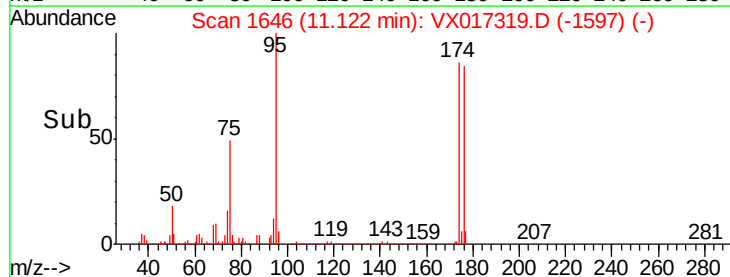
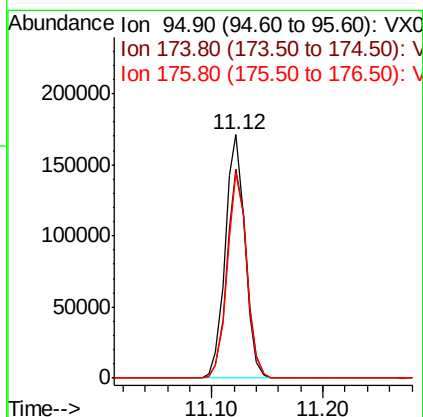
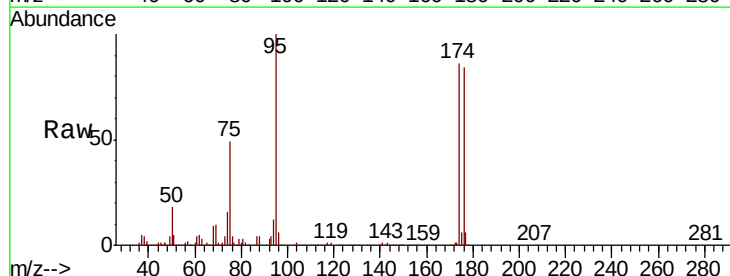
Instrument :
MSVOA_X
ClientSampled :
E3-41-VAT

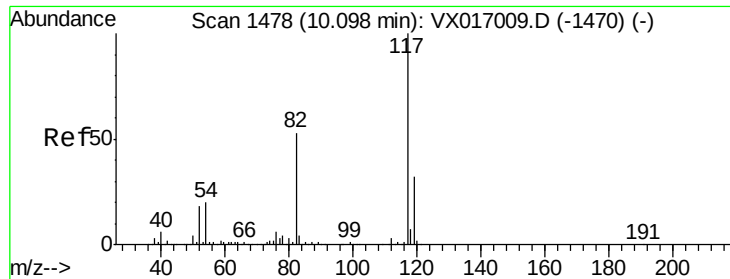
Tot Ion: 43 Resp: 2797
Ion Ratio Lower Upper
43 100
58 32.5 27.9 83.6



#62
4-Bromofluorobenzene
Concen: 55.516 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX017319.D
Acq: 09 Jul 2020 19:36

Tgt Ion: 95 Resp: 209382
Ion Ratio Lower Upper
95 100
174 85.9 0.0 164.0
176 82.6 0.0 157.6

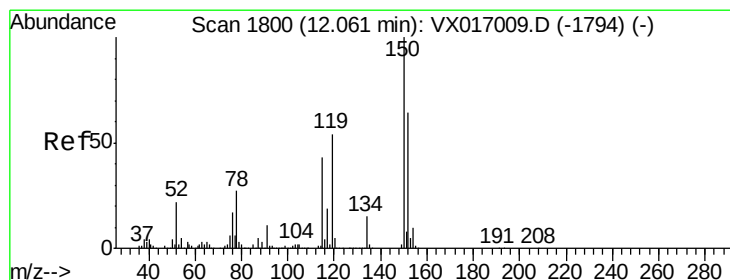
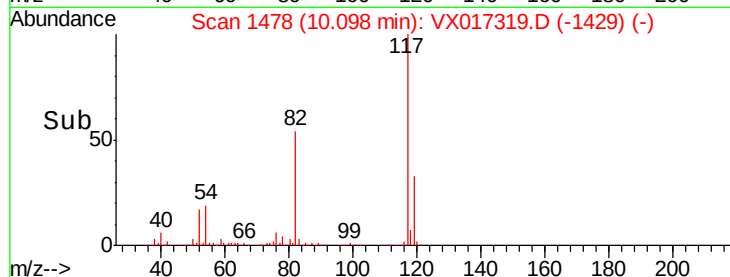
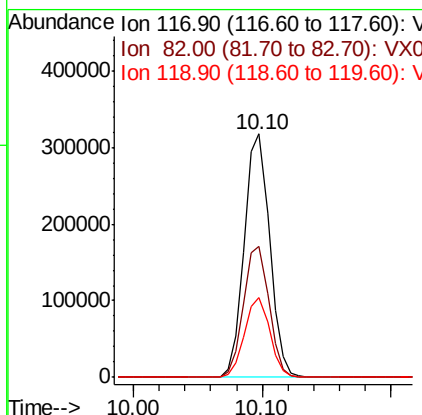
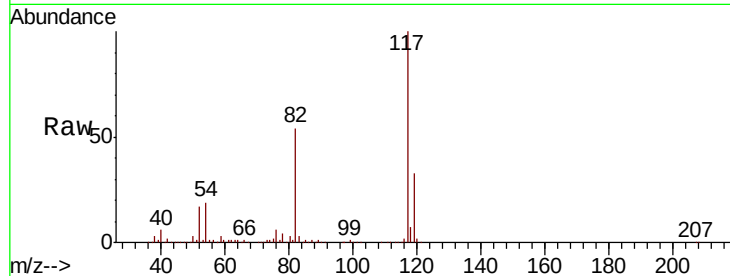




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017319.D
Acq: 09 Jul 2020 19:36

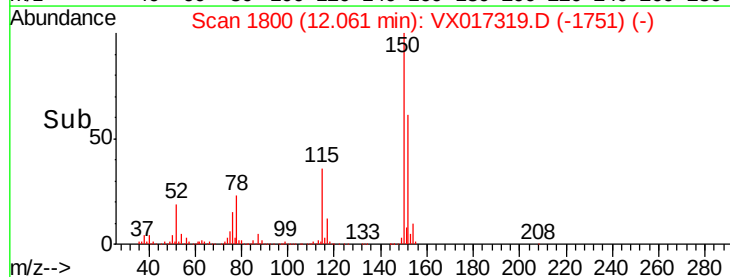
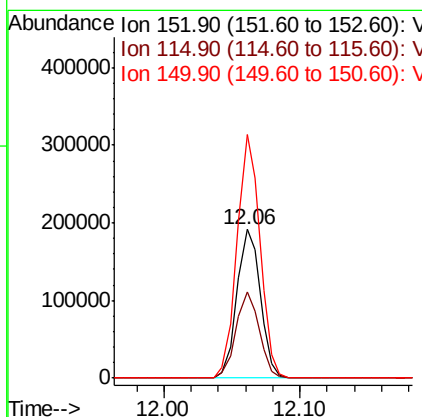
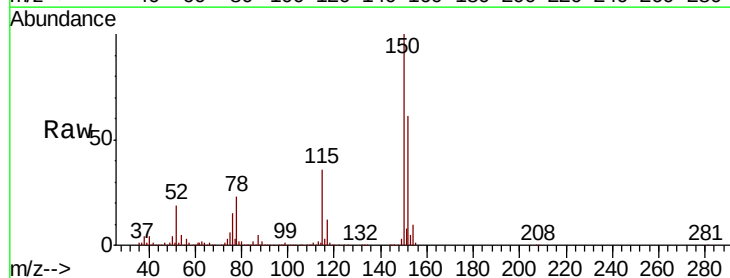
Instrument :
MSVOA_X
ClientSampleId :
E3-41-VAT

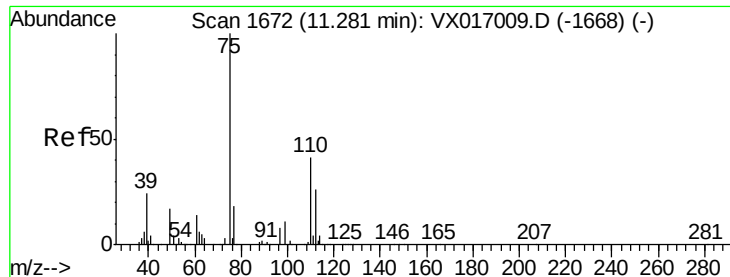
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.8	42.6	63.8
119	32.6	25.4	38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX017319.D
Acq: 09 Jul 2020 19:36

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.8	40.9	122.7
150	160.2	0.0	351.6

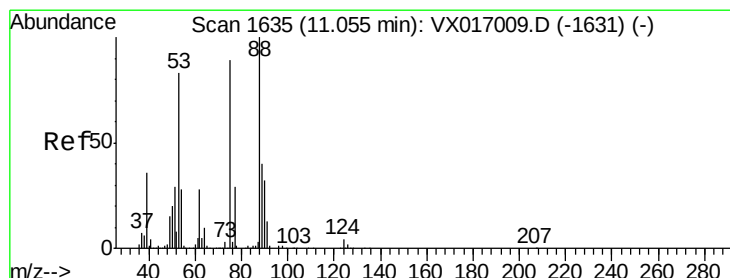
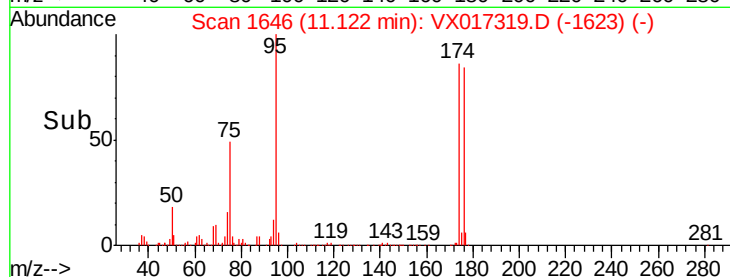
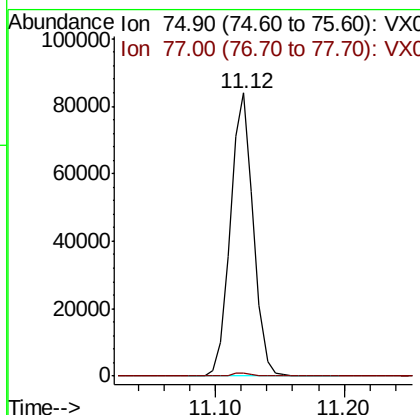
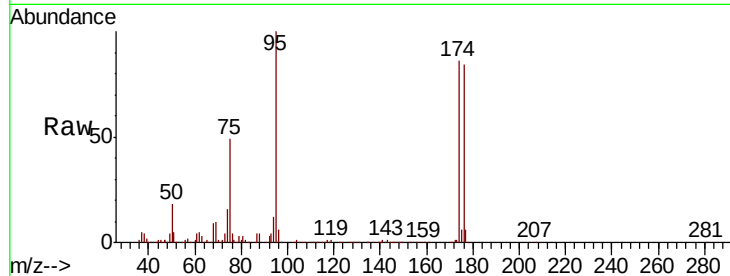




#76
 1,2,3-Trichloropropane
 Concen: 22.959 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.16 min
 Lab File: VX017319.D
 Acq: 09 Jul 2020 19:36

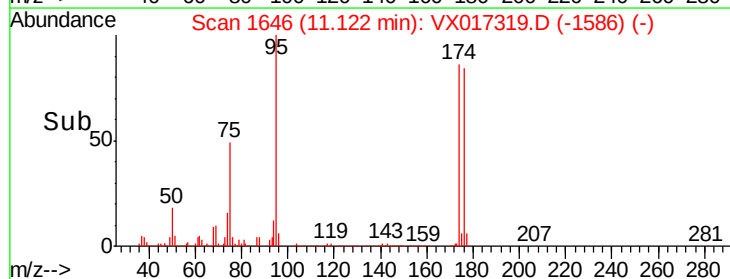
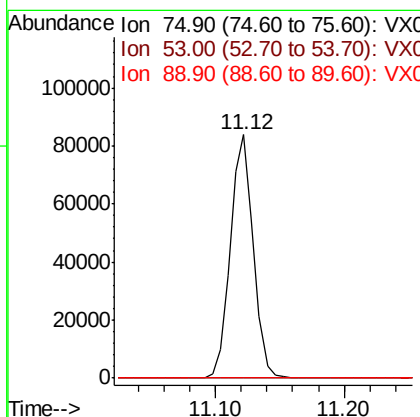
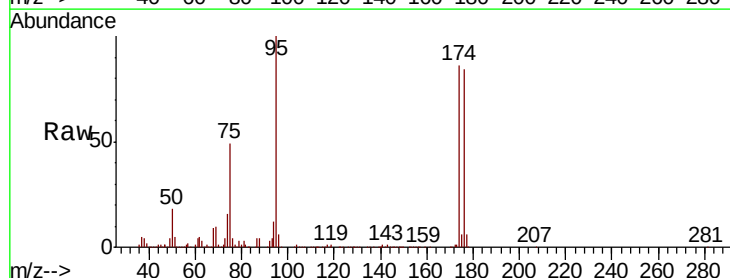
Instrument :
 MSVOA_X
 ClientSampleId :
 E3-41-VAT

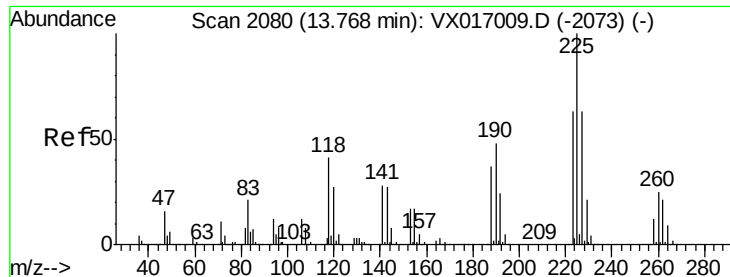
Tot Ion: 75 Resp: 103980
 Ion Ratio Lower Upper
 75 100
 77 1.1 20.2 60.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 59.455 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.07 min
 Lab File: VX017319.D
 Acq: 09 Jul 2020 19:36

Tgt Ion: 75 Resp: 103980
 Ion Ratio Lower Upper
 75 100
 53 0.3 72.4 108.6#
 89 0.0 37.0 55.4#





#94

Hexachlorobutadiene

Concen: 0.904 ug/l

RT: 13.76 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VX017319.D

Acq: 09 Jul 2020 19:36

Instrument :

MSVOA_X

ClientSampleId :

E3-41-VAT

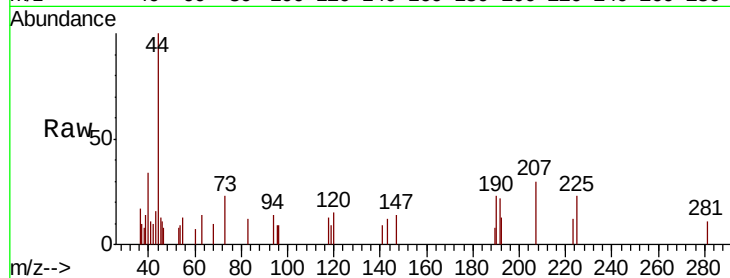
Tot Ion:225 Resp: 111

Ion Ratio Lower Upper

225 100

223 105.4 32.5 97.5#

227 0.0 33.1 99.2#



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

