

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121020\
 Data File : VX019828.D
 Acq On : 10 Dec 2020 16:17
 Operator : JC/MD
 Sample : L4996-27 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP01-20201207

Quant Time: Dec 11 00:52:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X120420W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 04 15:32:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	287904	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.82	114	479016	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	450515	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	211249	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	184327	48.71	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	97.42%		
35) Dibromofluoromethane	5.46	113	145112	46.87	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	93.74%		
50) Toluene-d8	8.70	98	585046	49.50	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	99.00%		
62) 4-Bromofluorobenzene	11.12	95	217644	48.38	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	96.76%		

Target Compounds

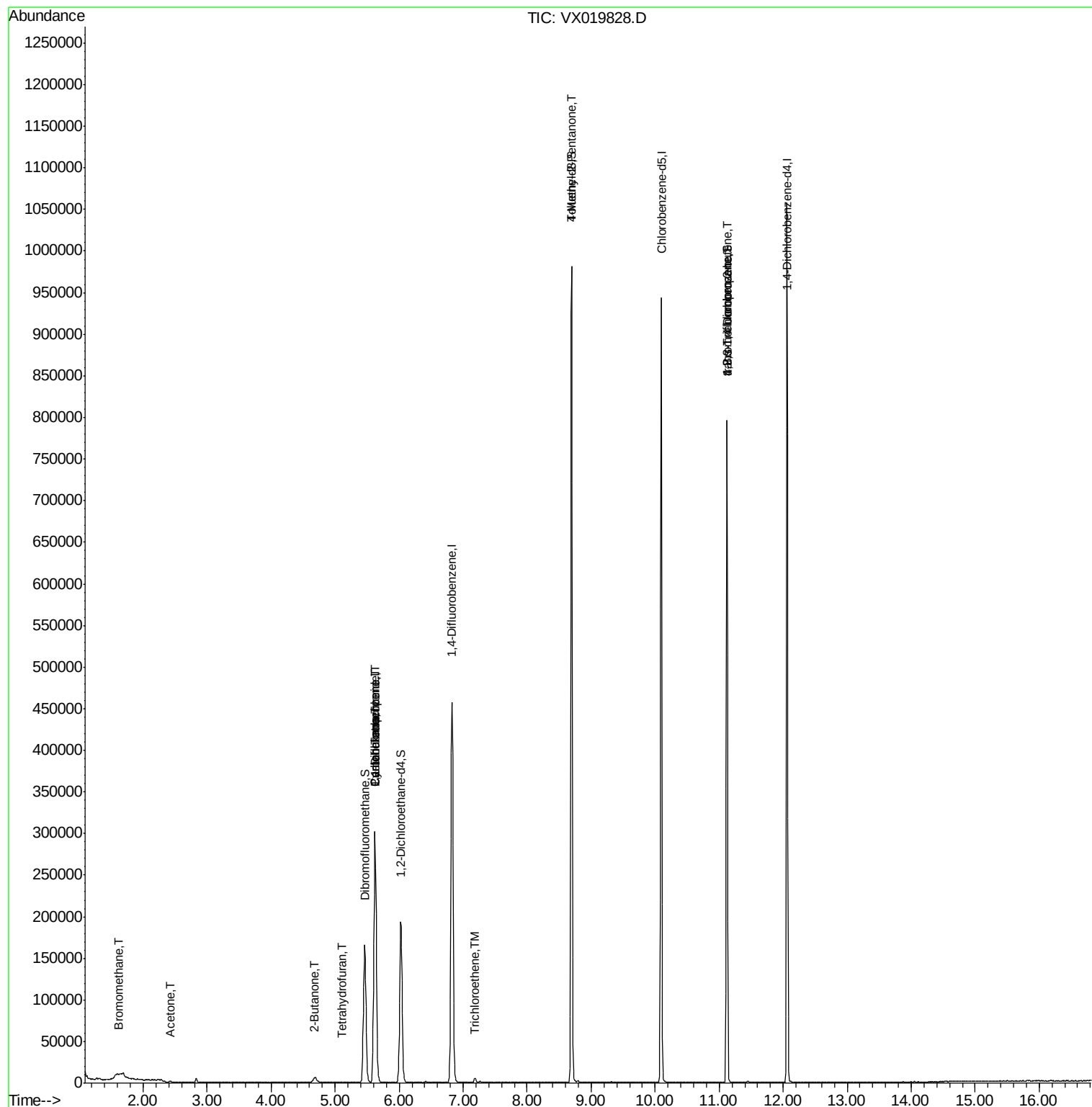
					Qvalue
5) Bromomethane	1.62	94	304	0.280 ug/l	95
11) Tert butyl alcohol	3.00	59	190	Below Cal #	73
16) Acetone	2.43	43	908	0.638 ug/l	97
20) Methylene Chloride	2.83	84	1929	Below Cal	92
25) 2-Butanone	4.68	43	518	0.237 ug/l #	45
29) Tetrahydrofuran	5.10	42	584	0.415 ug/l #	30
31) Cyclohexane	5.62	56	5725	1.216 ug/l #	1
36) 1,1-Dichloropropene	5.62	75	21777	5.031 ug/l #	48
38) Carbon Tetrachloride	5.63	117	28437	6.709 ug/l #	16
44) Trichloroethene	7.18	130	2062	0.594 ug/l	83
51) 4-Methyl-2-Pentanone	8.70	43	2540	0.586 ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	105550	22.278 ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.12	75	105550	64.400 ug/l #	12

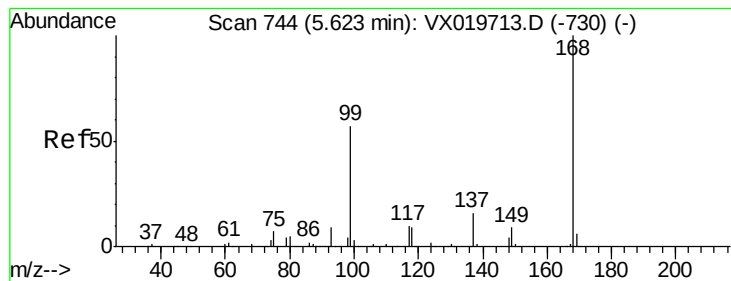
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X120420W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 04 15:32:53 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.00 min

Lab File: VX019828.D

Acq: 10 Dec 2020 16:17

Instrument :

MSVOA_X

ClientSampleId :

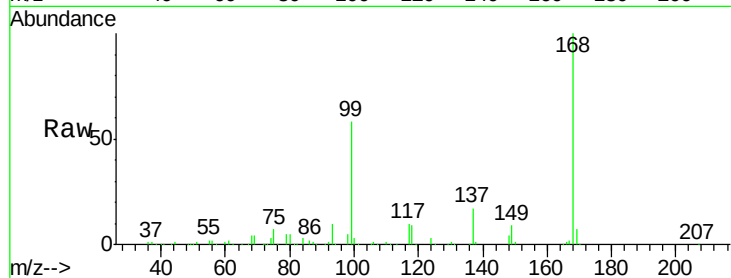
DUP01-20201207

Tgt Ion:168 Resp: 287904

Ion Ratio Lower Upper

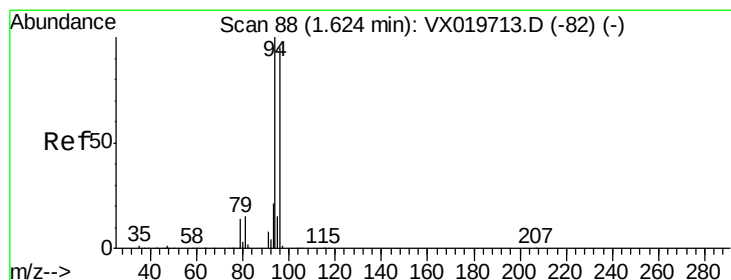
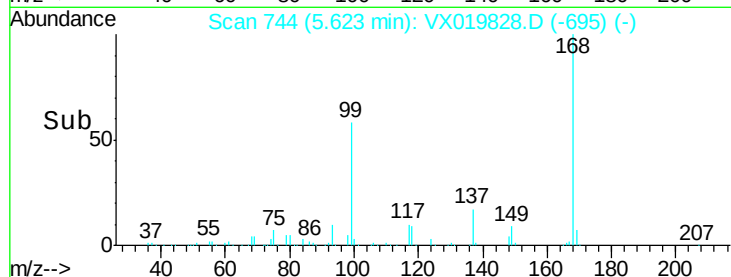
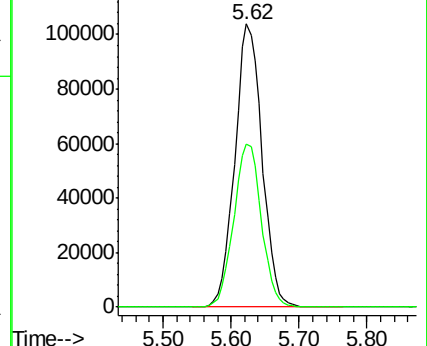
168 100

99 57.7 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.280 ug/l

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VX019828.D

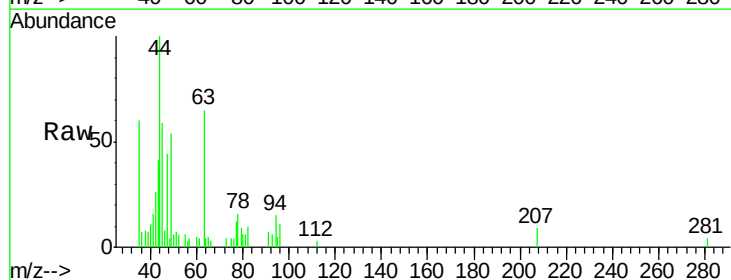
Acq: 10 Dec 2020 16:17

Tgt Ion: 94 Resp: 304

Ion Ratio Lower Upper

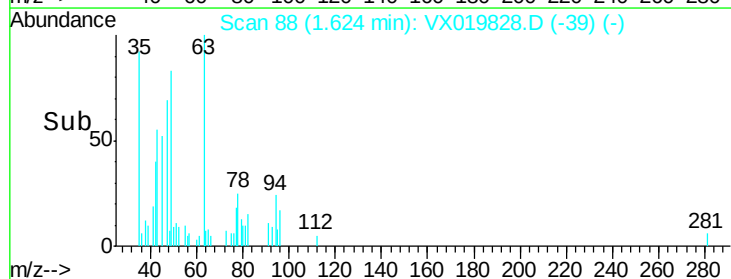
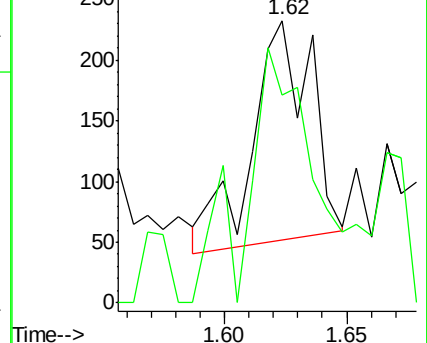
94 100

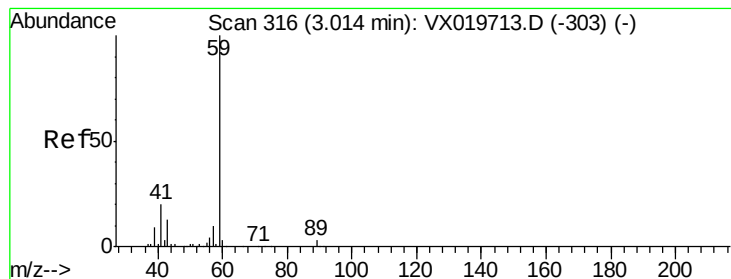
96 100.6 76.4 114.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



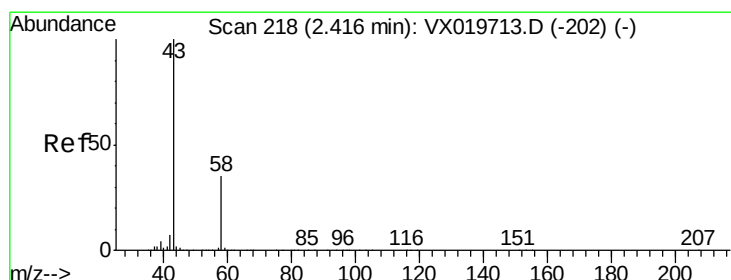
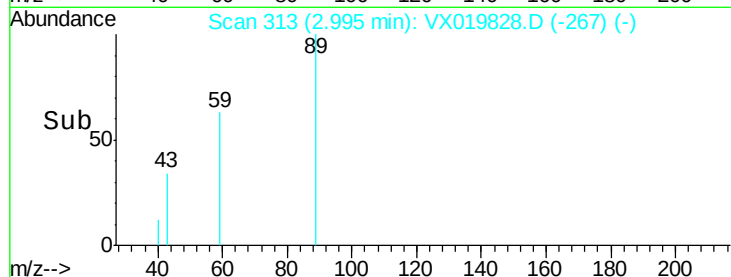
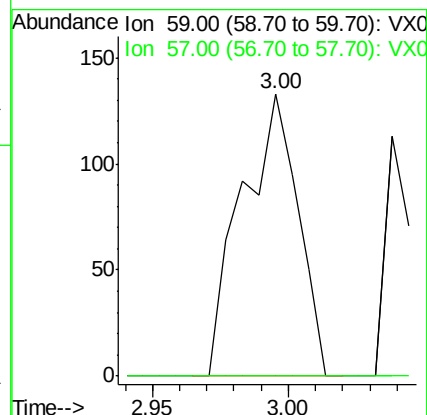
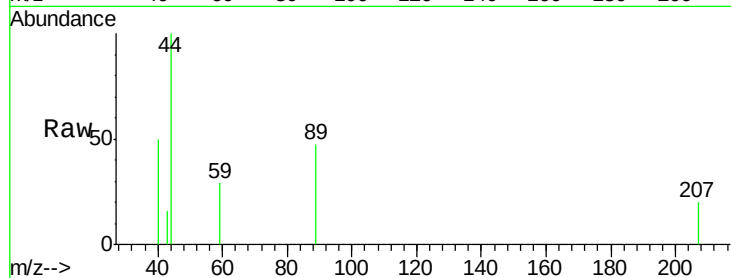


#11

Tert butyl alcohol
Concen: Below Cal
RT: 3.00 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX019828.D
Acq: 10 Dec 2020 16:17

Instrument :
MSVOA_X
ClientSampleId :
DUP01-20201207

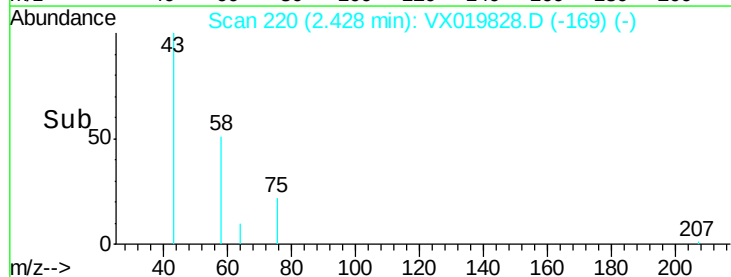
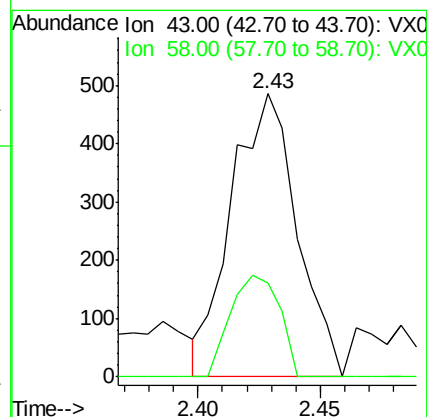
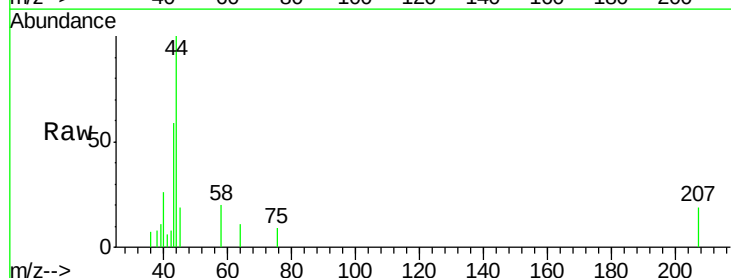
Tgt Ion: 59 Resp: 190
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

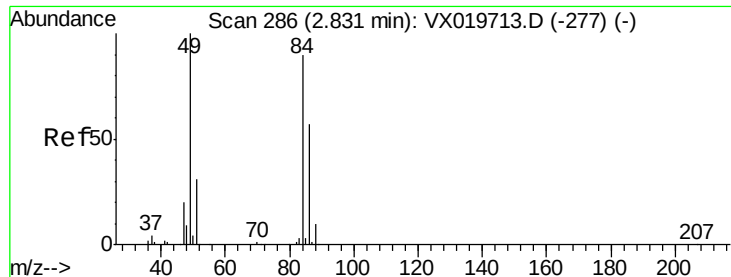


#16

Acetone
Concen: 0.638 ug/l
RT: 2.43 min Scan# 220
Delta R.T. 0.01 min
Lab File: VX019828.D
Acq: 10 Dec 2020 16:17

Tgt Ion: 43 Resp: 908
Ion Ratio Lower Upper
43 100
58 33.1 27.8 41.8

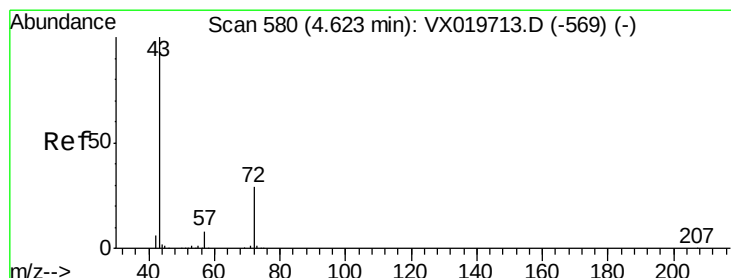
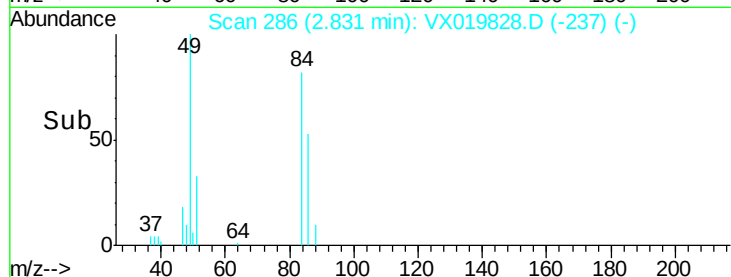
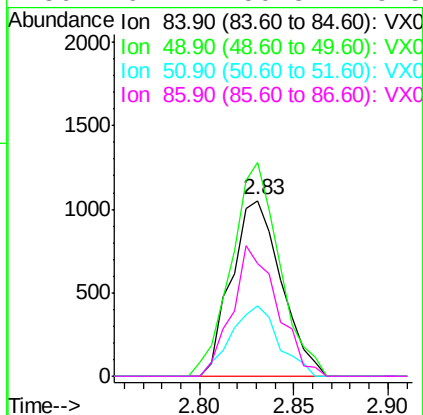
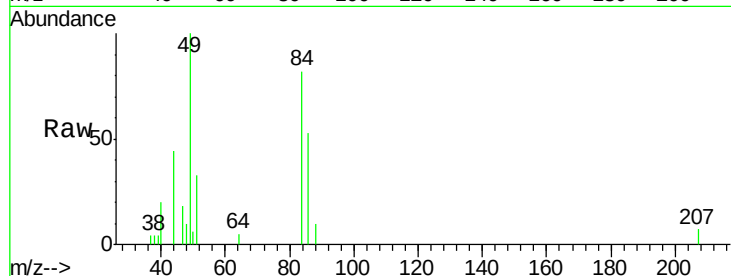




#20
Methylene Chloride
Concen: Below Cal
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX019828.D
Acq: 10 Dec 2020 16:17

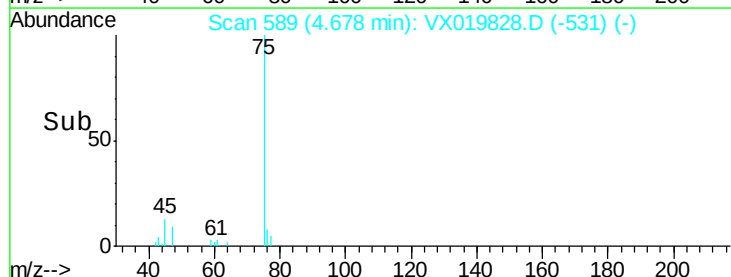
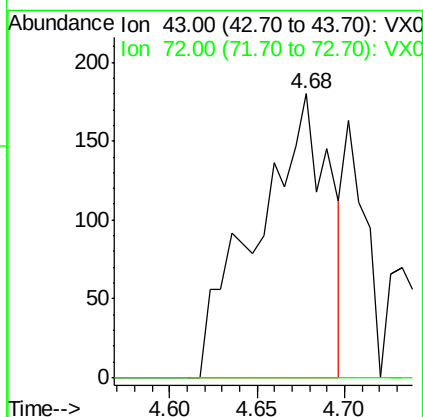
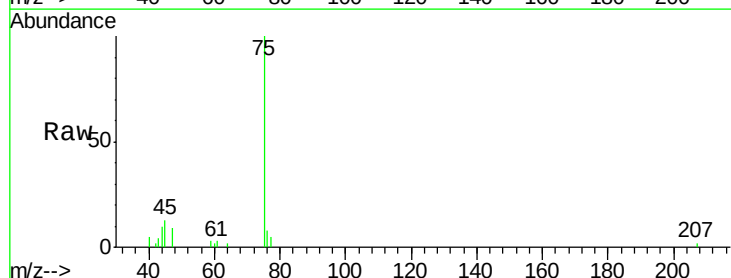
Instrument :
MSVOA_X
ClientSampleId :
DUP01-20201207

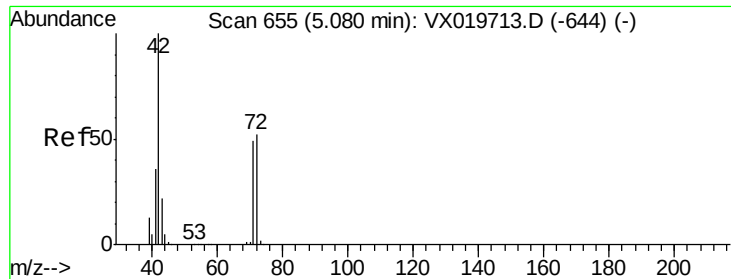
Tgt Ion:	84	Resp:	1929
Ion	Ratio	Lower	Upper
84	100		
49	121.3	88.6	132.8
51	40.0	27.0	40.6
86	64.2	50.3	75.5



#25
2-Butanone
Concen: 0.237 ug/l
RT: 4.68 min Scan# 589
Delta R.T. 0.05 min
Lab File: VX019828.D
Acq: 10 Dec 2020 16:17

Tgt Ion:	43	Resp:	518
Ion	Ratio	Lower	Upper
43	100		
72	0.0	23.7	35.5#





#29

Tetrahydrofuran

Concen: 0.415 ug/l

RT: 5.10 min Scan# 659

Delta R.T. 0.02 min

Lab File: VX019828.D

Acq: 10 Dec 2020 16:17

Instrument :

MSVOA_X

ClientSampleId :

DUP01-20201207

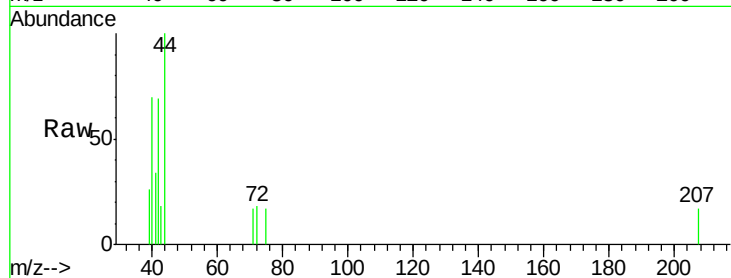
Tgt Ion: 42 Resp: 584

Ion Ratio Lower Upper

42 100

72 0.0 41.7 62.5#

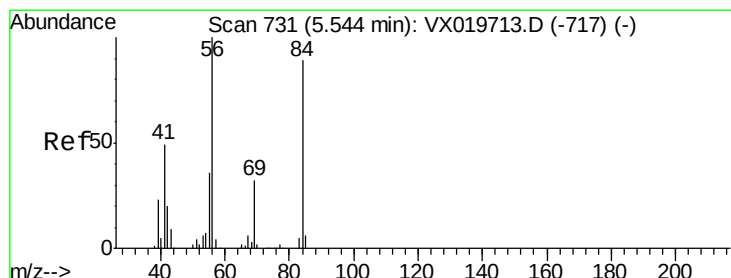
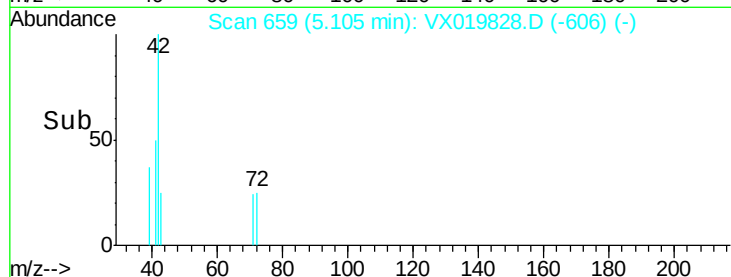
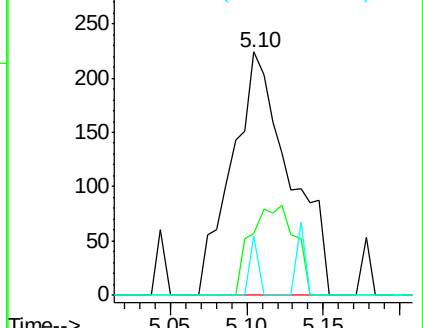
71 3.4 38.4 57.6#



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: 1.216 ug/l

RT: 5.62 min Scan# 743

Delta R.T. 0.07 min

Lab File: VX019828.D

Acq: 10 Dec 2020 16:17

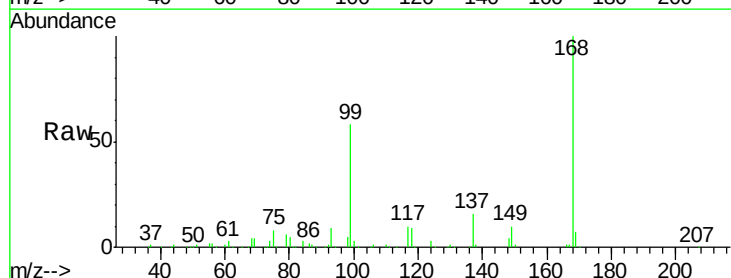
Tgt Ion: 56 Resp: 5725

Ion Ratio Lower Upper

56 100

69 181.7 25.3 37.9#

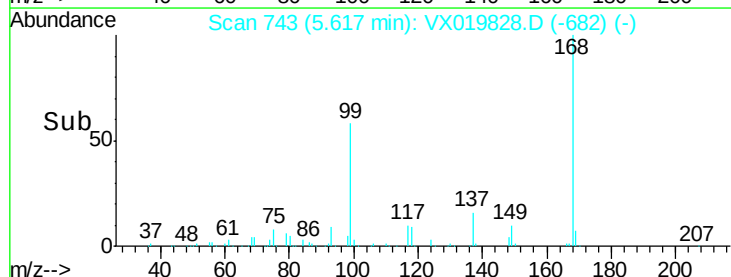
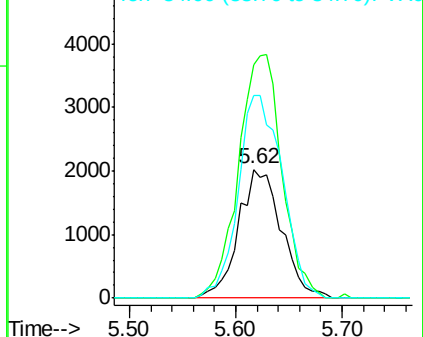
84 157.3 71.4 107.0#

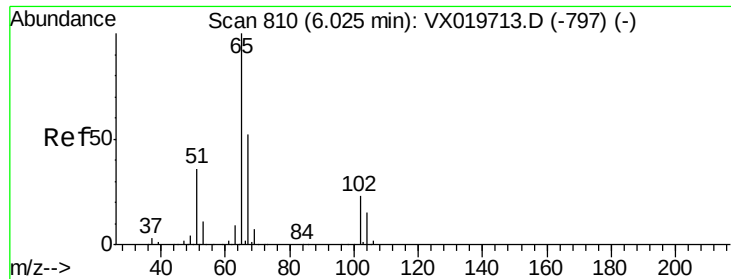


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

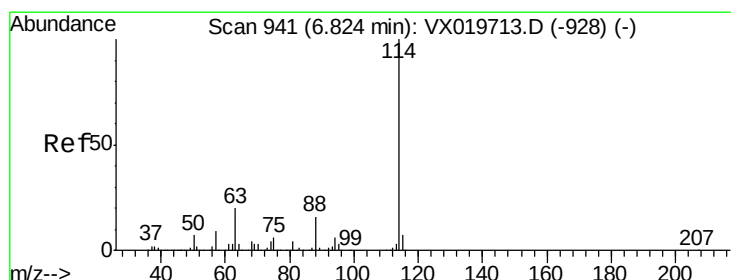
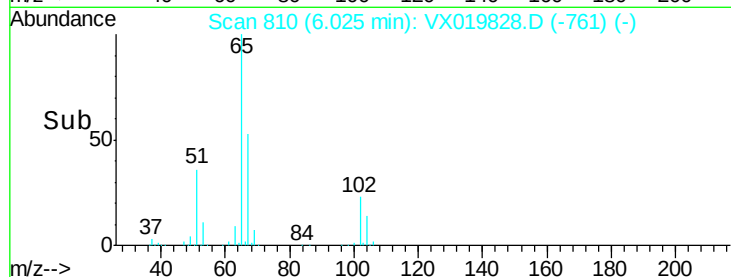
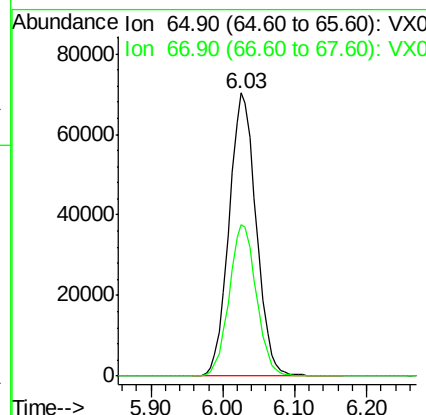
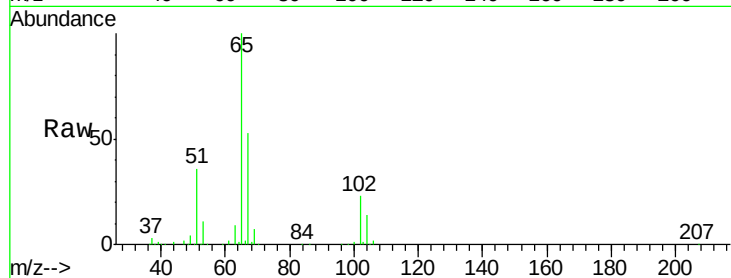




#33
 1,2-Dichloroethane-d4
 Concen: 48.713 ug/l
 RT: 6.03 min Scan# 810
 Delta R.T. -0.00 min
 Lab File: VX019828.D
 Acq: 10 Dec 2020 16:17

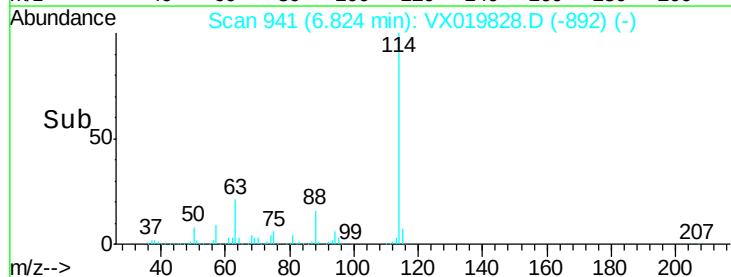
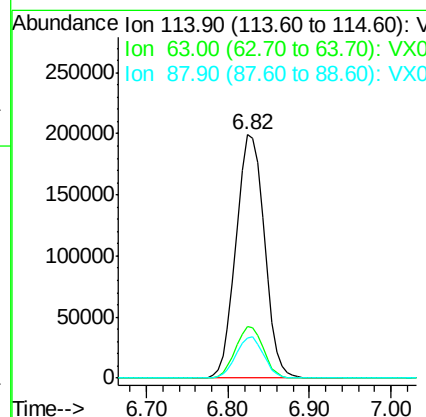
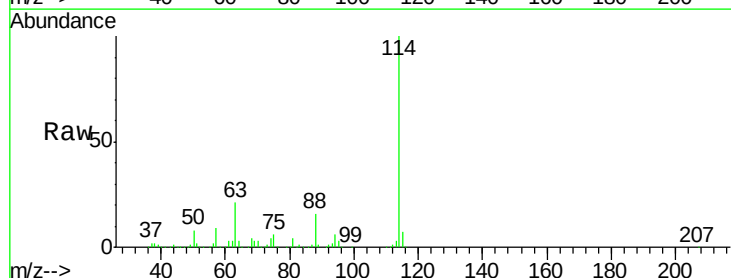
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP01-20201207

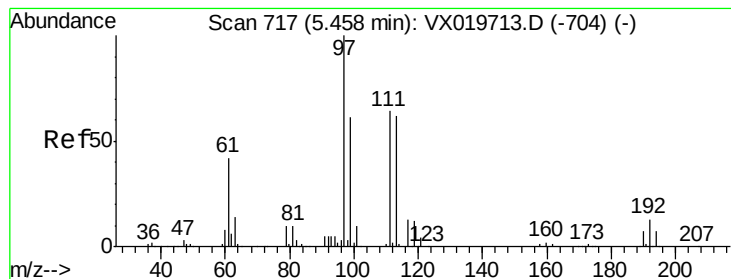
Tgt Ion: 65 Resp: 184327
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.82 min Scan# 941
 Delta R.T. -0.00 min
 Lab File: VX019828.D
 Acq: 10 Dec 2020 16:17

Tgt Ion: 114 Resp: 479016
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 40.8
 88 16.3 0.0 32.8





#35

Dibromofluoromethane

Concen: 46.874 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.01 min

Lab File: VX019828.D

Acq: 10 Dec 2020 16:17

Instrument :

MSVOA_X

ClientSampleId :

DUP01-20201207

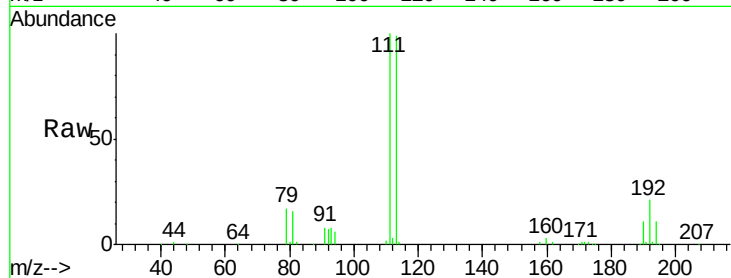
Tgt Ion:113 Resp: 145112

Ion Ratio Lower Upper

113 100

111 102.5 81.9 122.9

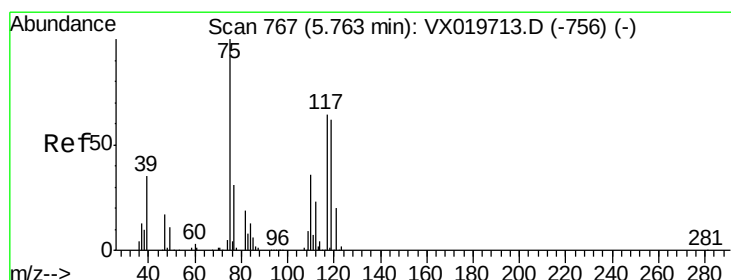
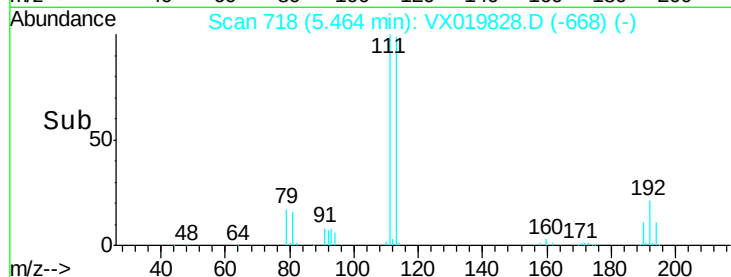
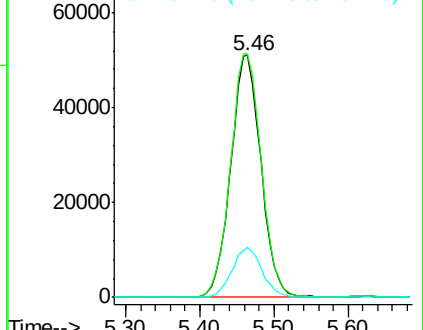
192 20.4 16.7 25.1



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: 5.031 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.14 min

Lab File: VX019828.D

Acq: 10 Dec 2020 16:17

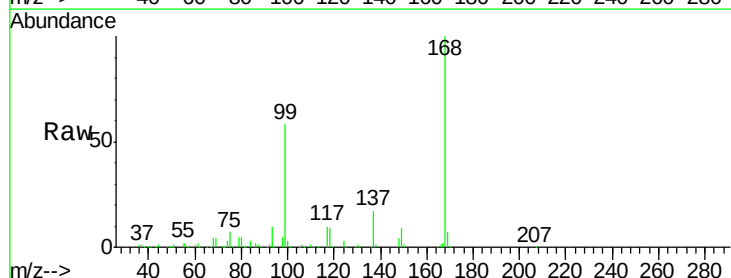
Tgt Ion: 75 Resp: 21777

Ion Ratio Lower Upper

75 100

110 8.2 18.1 54.4#

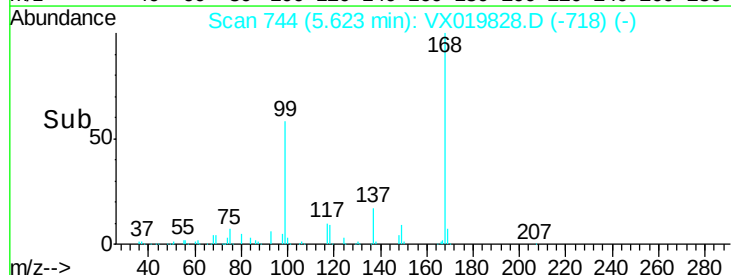
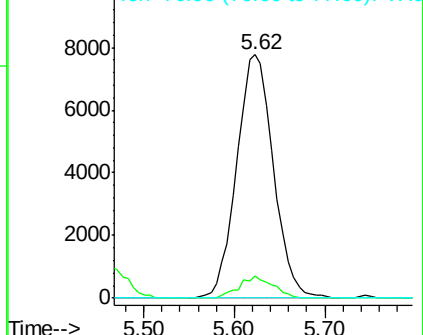
77 0.0 25.3 37.9#

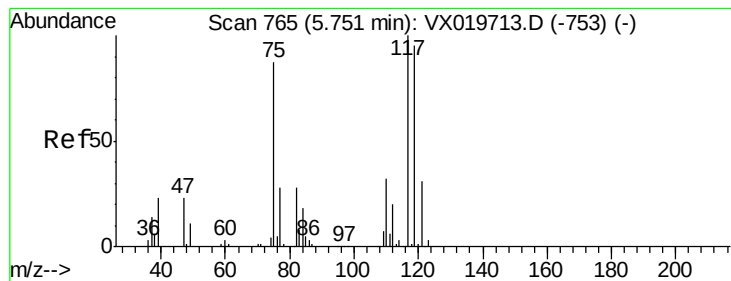


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.709 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX019828.D

Acq: 10 Dec 2020 16:17

Instrument :

MSVOA_X

ClientSampleId :

DUP01-20201207

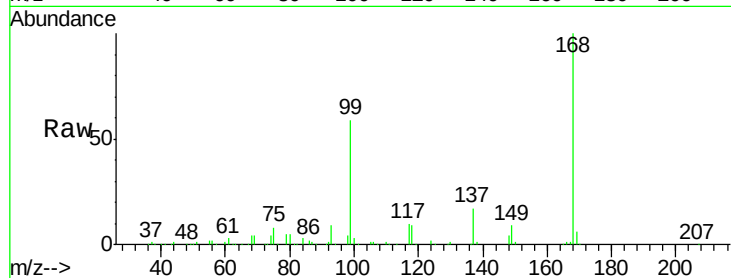
Tgt Ion:117 Resp: 28437

Ion Ratio Lower Upper

117 100

119 4.5 76.2 114.2#

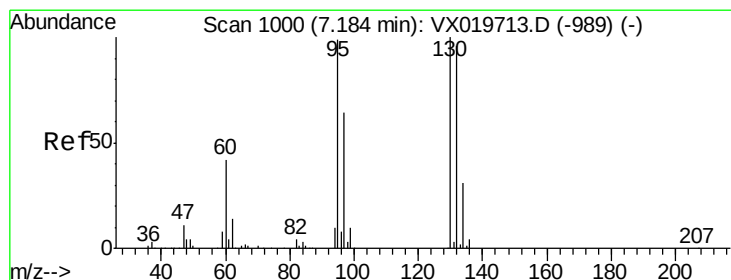
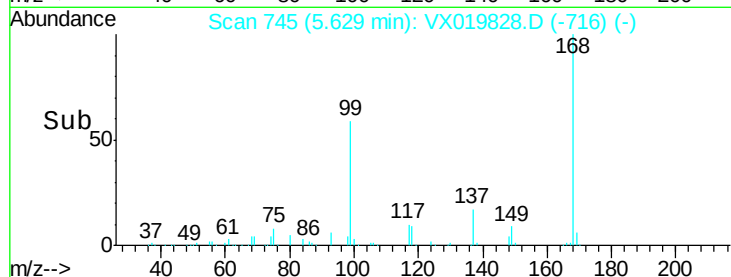
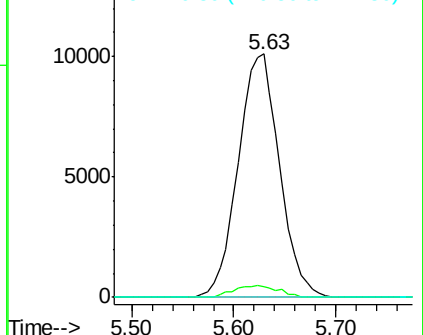
121 0.0 24.8 37.2#



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



#44

Trichloroethene

Concen: 0.594 ug/l

RT: 7.18 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VX019828.D

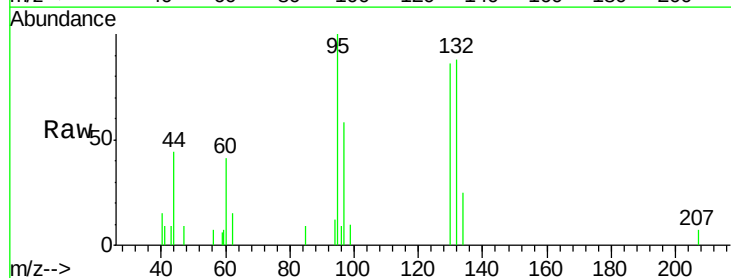
Acq: 10 Dec 2020 16:17

Tgt Ion:130 Resp: 2062

Ion Ratio Lower Upper

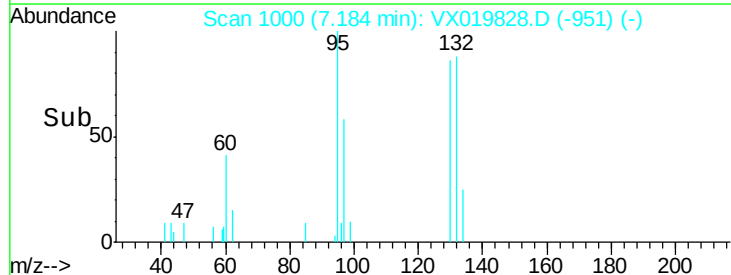
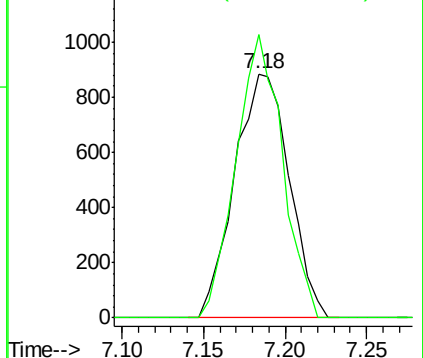
130 100

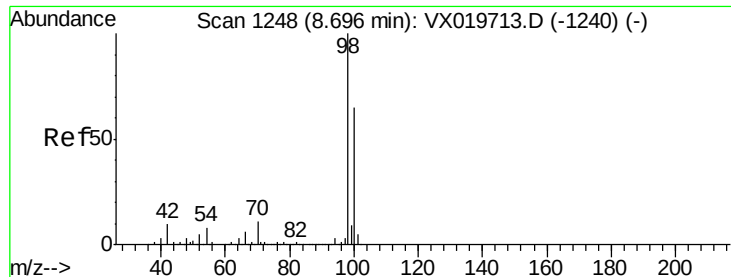
95 116.0 0.0 198.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

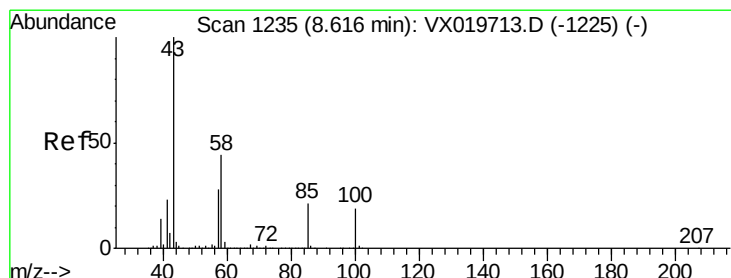
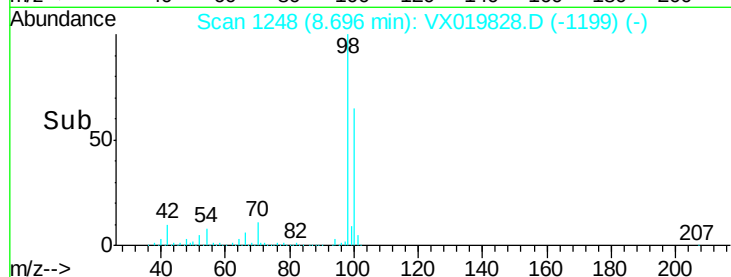
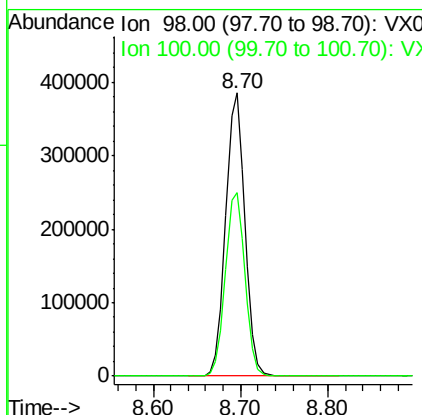
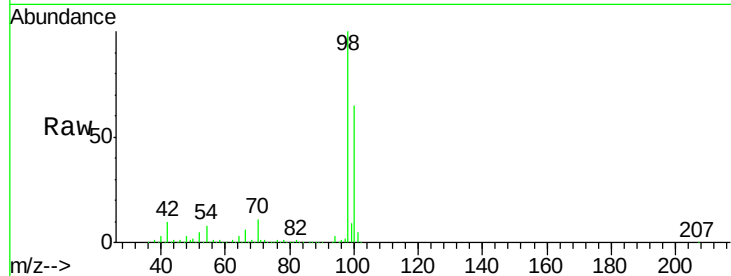




#50
Toluene-d8
Concen: 49.500 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX019828.D
Acq: 10 Dec 2020 16:17

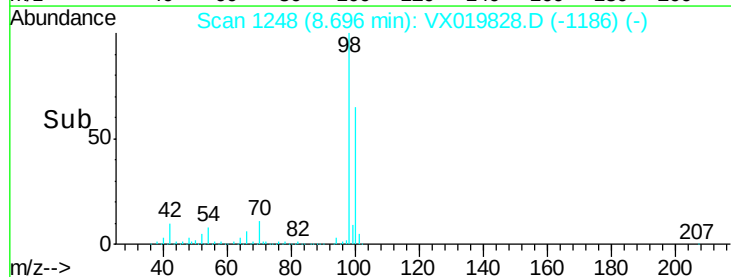
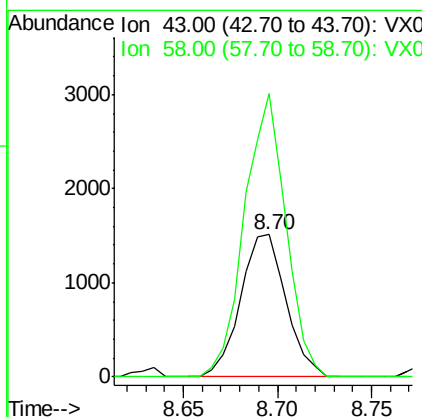
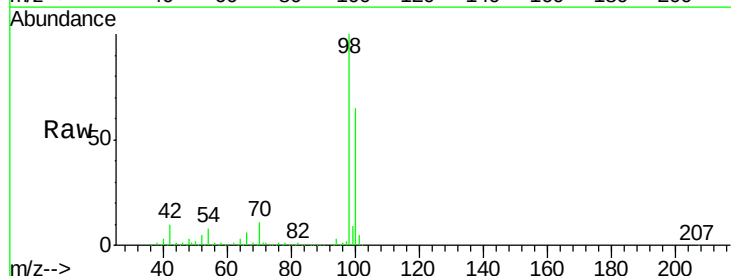
Instrument :
MSVOA_X
ClientSampleId :
DUP01-20201207

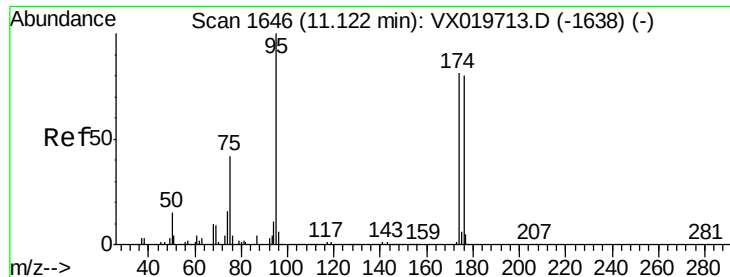
Tgt Ion: 98 Resp: 585046
Ion Ratio Lower Upper
98 100
100 66.3 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.586 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.08 min
Lab File: VX019828.D
Acq: 10 Dec 2020 16:17

Tgt Ion: 43 Resp: 2540
Ion Ratio Lower Upper
43 100
58 179.8 35.4 53.0#





#62

4-Bromofluorobenzene

Concen: 48.382 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX019828.D

Acq: 10 Dec 2020 16:17

Instrument :

MSVOA_X

ClientSampleId :

DUP01-20201207

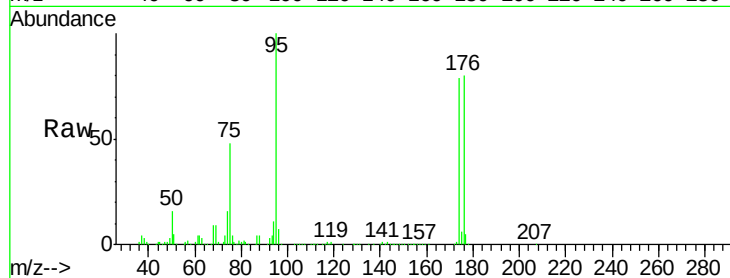
Tgt Ion: 95 Resp: 217644

Ion Ratio Lower Upper

95 100

174 77.8 0.0 154.6

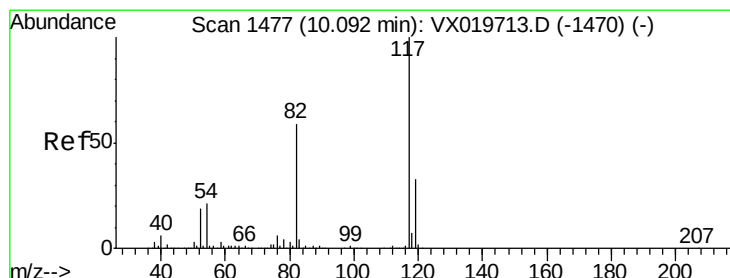
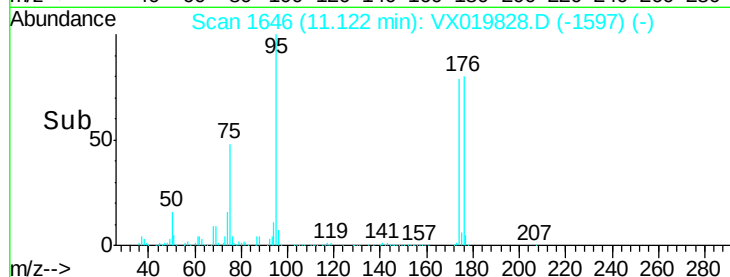
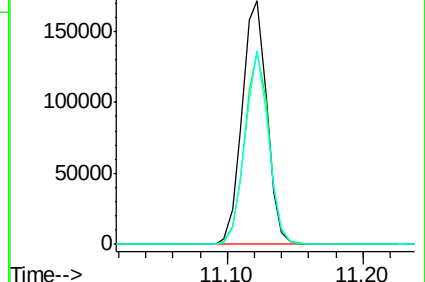
176 75.4 0.0 155.8



Abundance Ion 94.90 (94.60 to 95.60): VX019713.D (-1638) (-)

Ion 173.80 (173.50 to 174.50): VX019713.D (-1638) (-)

Ion 175.80 (175.50 to 176.50): VX019713.D (-1638) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. 0.01 min

Lab File: VX019828.D

Acq: 10 Dec 2020 16:17

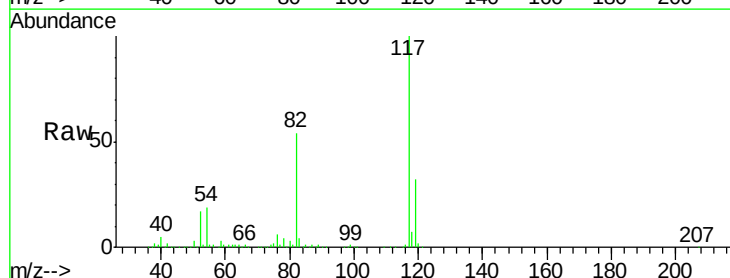
Tgt Ion: 117 Resp: 450515

Ion Ratio Lower Upper

117 100

82 54.3 47.4 71.2

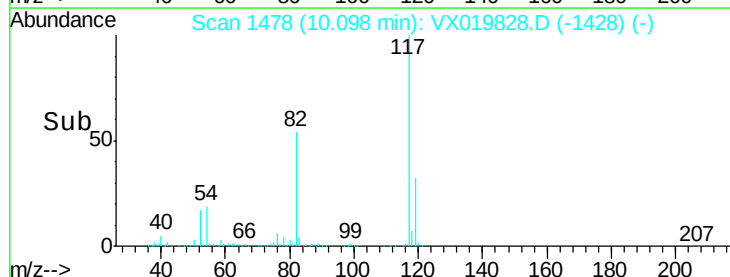
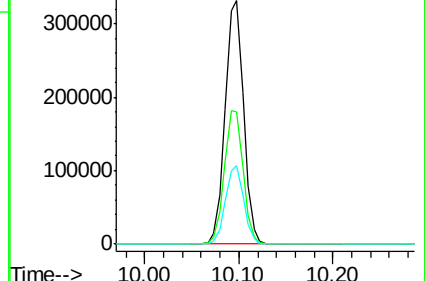
119 32.4 26.6 39.8

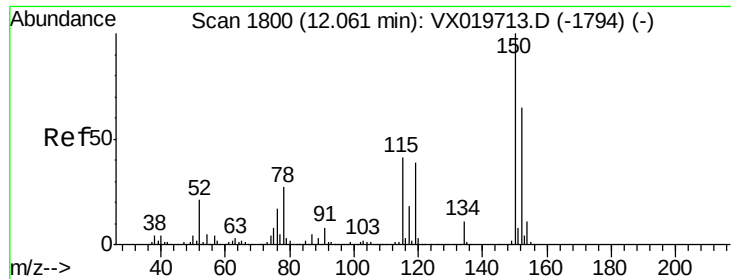


Abundance Ion 116.90 (116.60 to 117.60): VX019713.D (-1470) (-)

Ion 82.00 (81.70 to 82.70): VX019713.D (-1470) (-)

Ion 118.90 (118.60 to 119.60): VX019713.D (-1470) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX019828.D

Acq: 10 Dec 2020 16:17

Instrument :

MSVOA_X

ClientSampleId :

DUP01-20201207

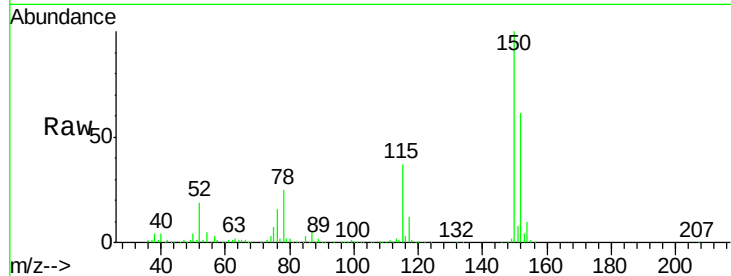
Tgt Ion:152 Resp: 211249

Ion Ratio Lower Upper

152 100

115 60.5 41.1 123.3

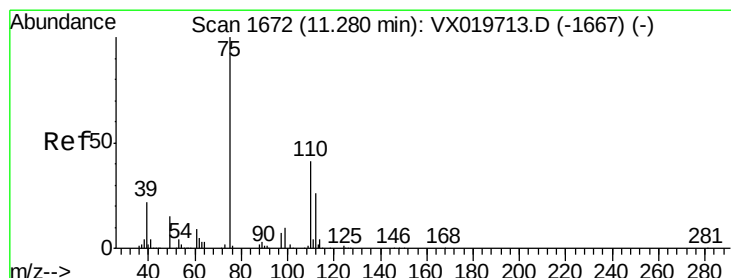
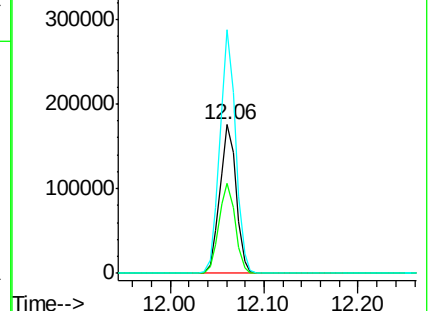
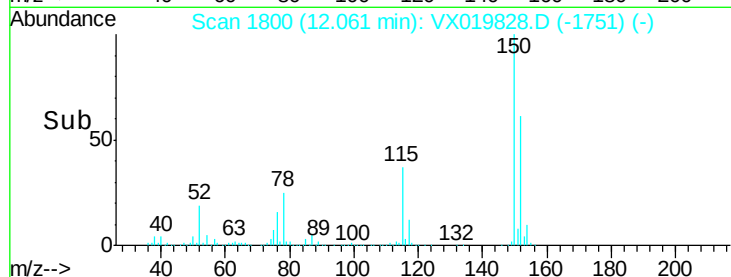
150 158.6 0.0 349.0



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



#76

1,2,3-Trichloropropane

Concen: 22.278 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019828.D

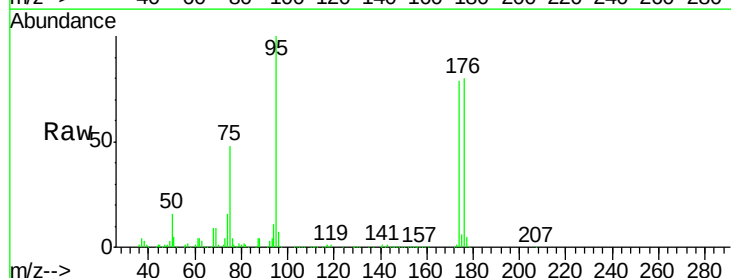
Acq: 10 Dec 2020 16:17

Tgt Ion: 75 Resp: 105550

Ion Ratio Lower Upper

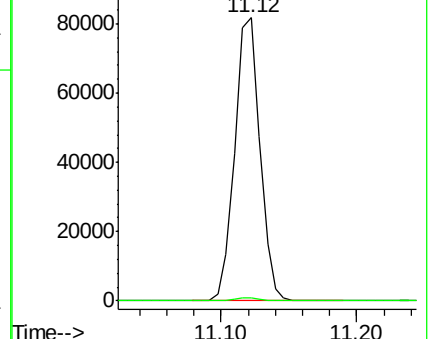
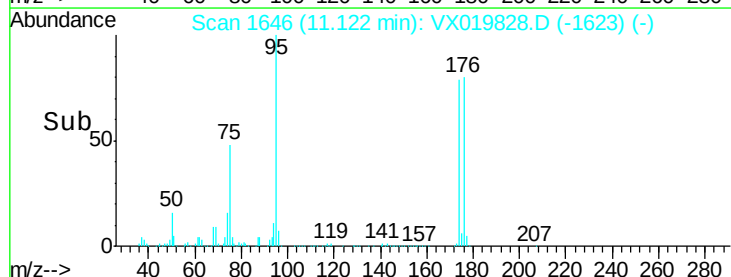
75 100

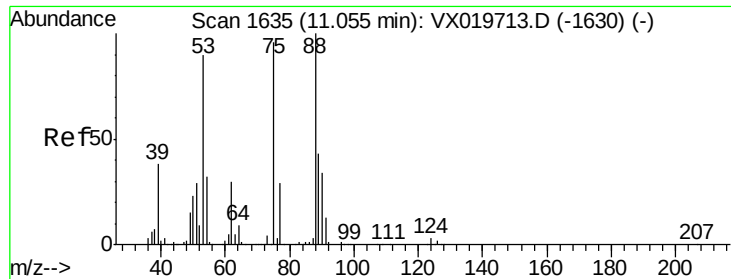
77 1.3 19.1 57.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 64.400 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019828.D

Acq: 10 Dec 2020 16:17

Instrument :

MSVOA_X

ClientSampleId :

DUP01-20201207

Tgt Ion: 75 Resp: 105550

Ion Ratio Lower Upper

75 100

53 0.0 74.5 111.7#

89 0.0 37.9 56.9#

