

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061620\
 Data File : VX016807.D
 Acq On : 17 Jun 2020 03:12
 Operator : JC/SP
 Sample : L2984-05 100X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0565DL

Quant Time: Jun 17 04:06:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061520W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 16 02:02:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	289468	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	506771	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	471527	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	264379	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	159140	48.88	ug/l	0.00
Spiked Amount			Recovery	=	97.76%	
35) Dibromofluoromethane	5.46	113	139253	44.54	ug/l	0.00
Spiked Amount			Recovery	=	89.08%	
50) Toluene-d8	8.70	98	553934	48.05	ug/l	0.00
Spiked Amount			Recovery	=	96.10%	
62) 4-Bromofluorobenzene	11.12	95	231155	52.42	ug/l	0.00
Spiked Amount			Recovery	=	104.84%	

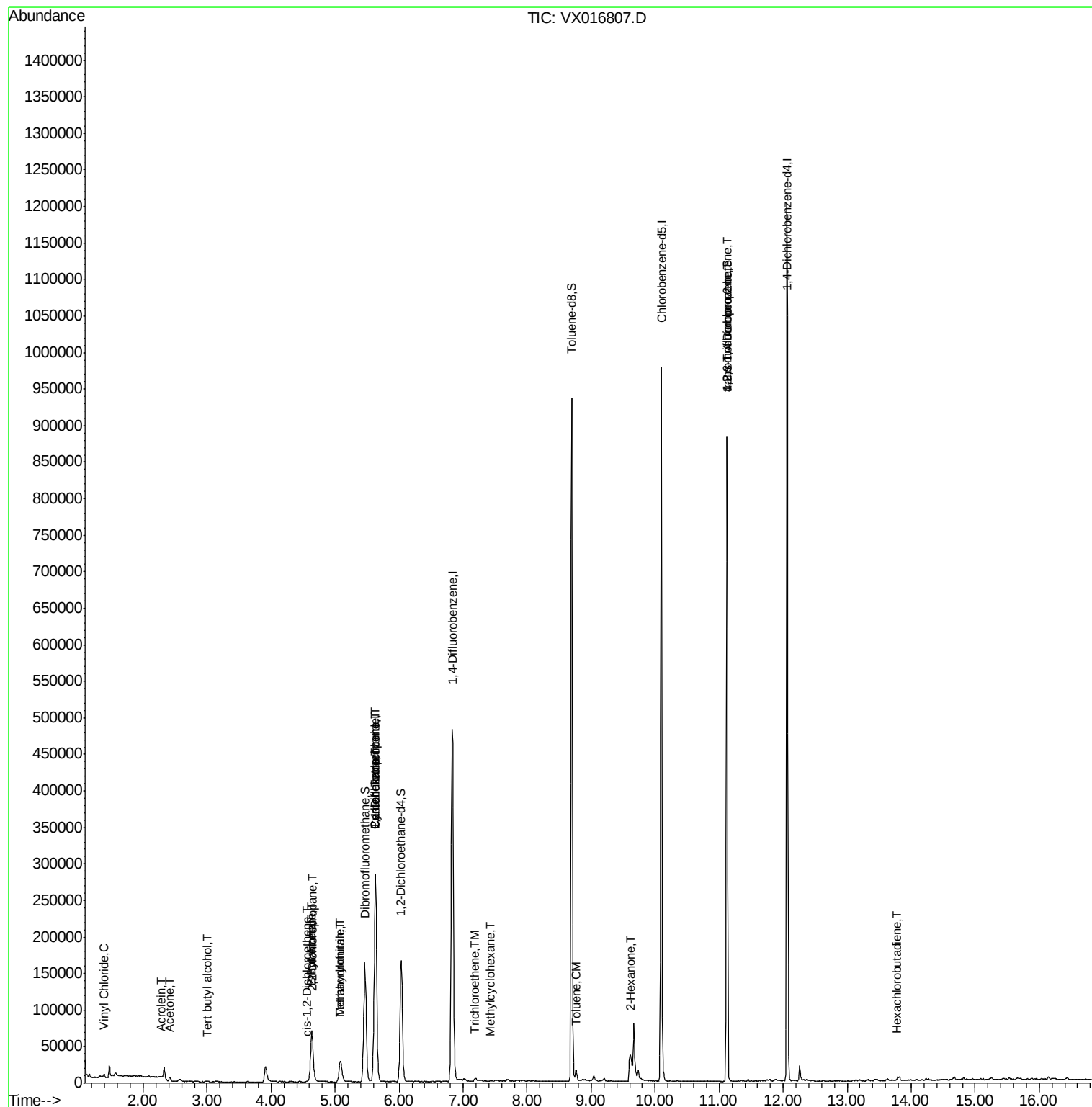
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.39	62	2393	0.710	ug/l	90
11) Tert butyl alcohol	3.00	59	1044	1.276	ug/l #	84
13) Acrolein	2.28	56	536	3.831	ug/l #	61
16) Acetone	2.42	43	5463	3.699	ug/l	97
25) 2-Butanone	4.64	43	106398	47.801	ug/l	100
26) 2,2-Dichloropropane	4.65	77	1147	0.238	ug/l #	53
27) cis-1,2-Dichloroethene	4.56	96	1318	0.379	ug/l	53
29) Tetrahydrofuran	5.09	42	1644	1.140	ug/l #	44
31) Cyclohexane	5.63	56	4899	1.849	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	20261	4.524	ug/l #	49
37) Ethyl Acetate	4.64	43	106398	21.694	ug/l #	65
38) Carbon Tetrachloride	5.63	117	26121	5.136	ug/l #	17
39) Methylcyclohexane	7.43	83	171	0.985	ug/l #	45
41) Methacrylonitrile	5.09	41	6752	2.582	ug/l #	41
44) Trichloroethene	7.18	130	1909	0.453	ug/l	96
52) Toluene	8.77	92	3245	0.366	ug/l	91
59) 2-Hexanone	9.61	43	12526	3.426	ug/l #	32
76) 1,2,3-Trichloropropane	11.12	75	109093	19.622	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	109093	49.397	ug/l #	13
94) Hexachlorobutadiene	13.77	225	186	0.486	ug/l #	45

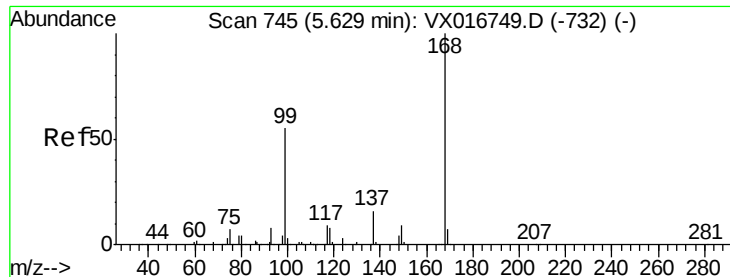
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jun 16 02:02:35 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX016807.D

Acq: 17 Jun 2020 03:12

Instrument :

MSVOA_X

ClientSampleId :

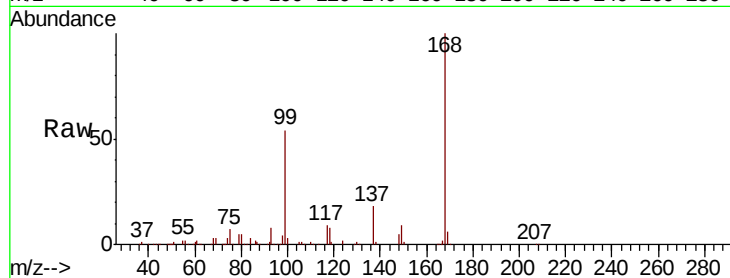
S49-0565DL

Tot Ion:168 Resp: 289468

Ion Ratio Lower Upper

168 100

99 53.8 43.8 65.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

100000

80000

60000

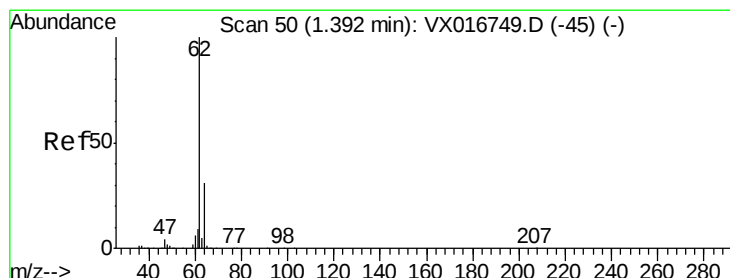
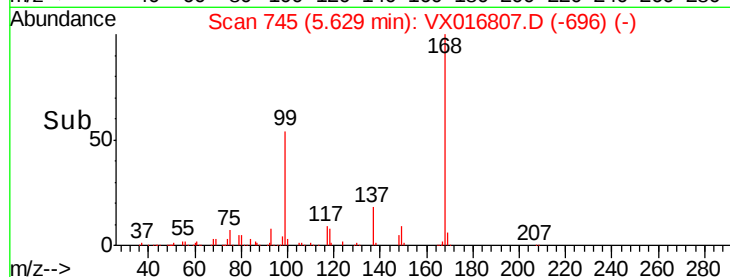
40000

20000

0

Time-->

5.50 5.60 5.70



#4

Vinyl Chloride

Concen: 0.710 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016807.D

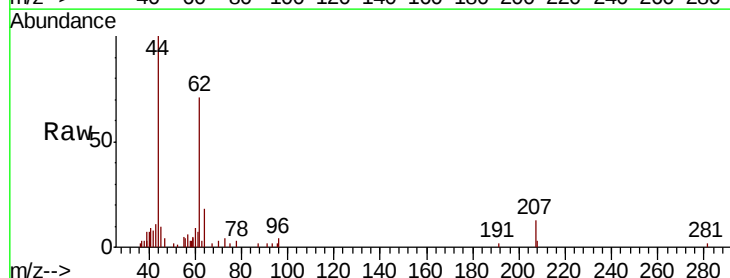
Acq: 17 Jun 2020 03:12

Tgt Ion: 62 Resp: 2393

Ion Ratio Lower Upper

62 100

64 25.6 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.39

2500

2000

1500

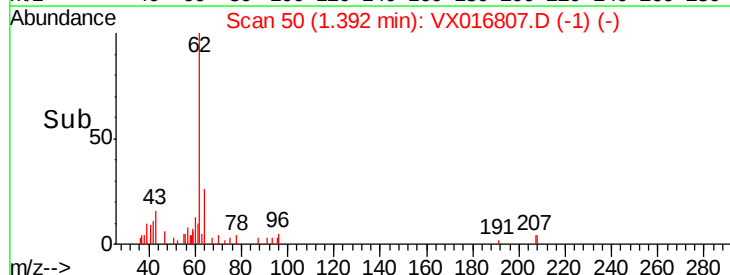
1000

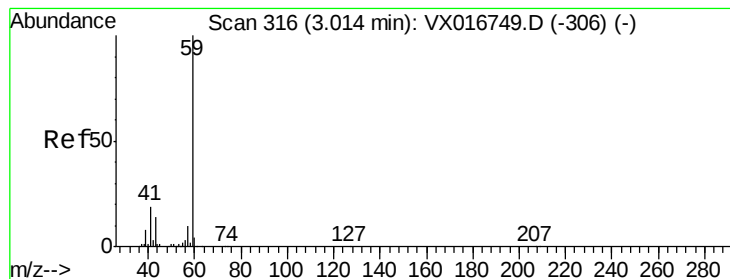
500

0

Time-->

1.35 1.40 1.45



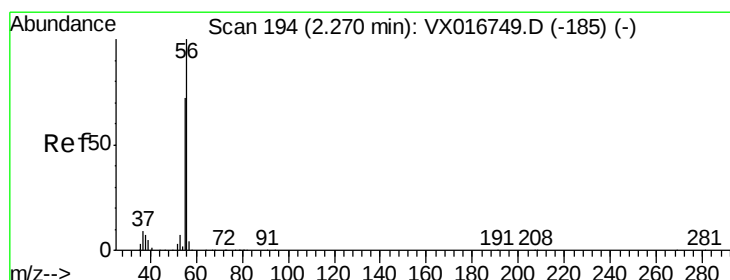
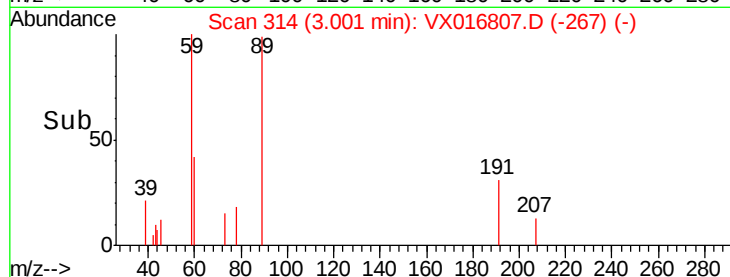
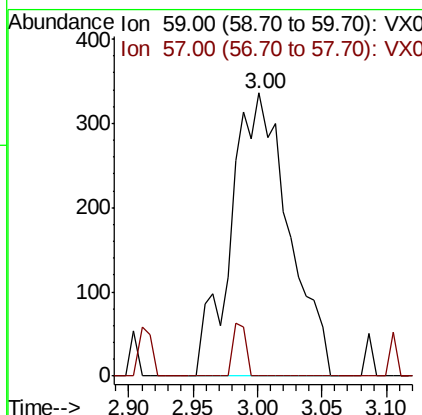
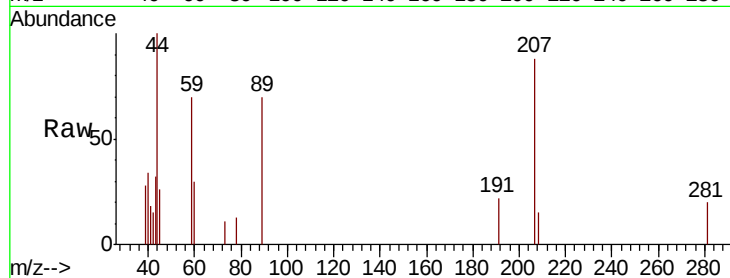


#11

Tert butyl alcohol
 Concen: 1.276 ug/l
 RT: 3.00 min Scan# 314
 Delta R.T. -0.01 min
 Lab File: VX016807.D
 Acq: 17 Jun 2020 03:12

Instrument :
 MSVOA_X
 ClientSampleID :
 S49-0565DL

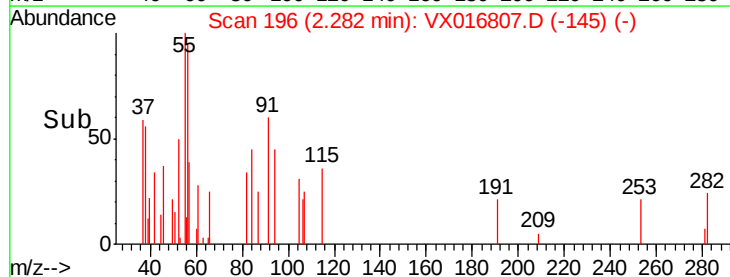
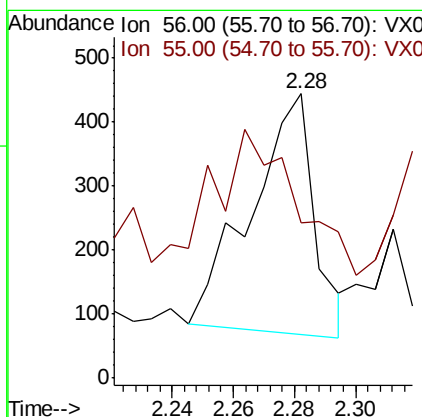
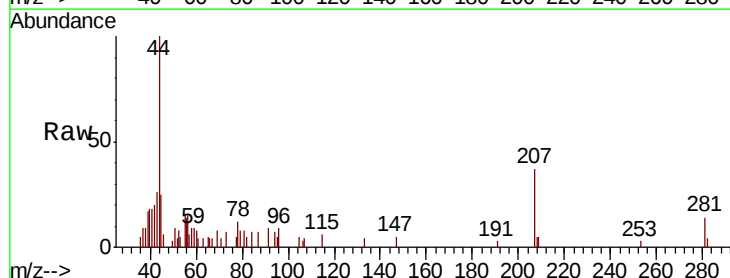
Tot Ion: 59 Resp: 1044
 Ion Ratio Lower Upper
 59 100
 57 4.2 8.2 12.2#

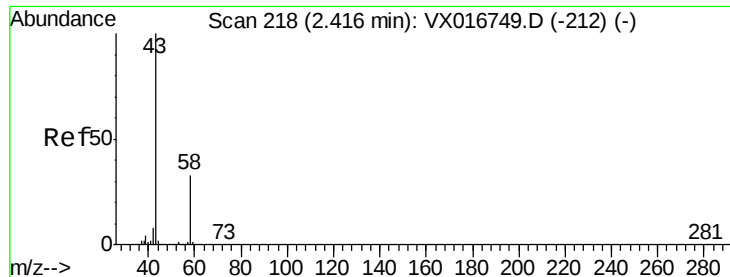


#13

Acrolein
 Concen: 3.831 ug/l
 RT: 2.28 min Scan# 196
 Delta R.T. 0.01 min
 Lab File: VX016807.D
 Acq: 17 Jun 2020 03:12

Tgt Ion: 56 Resp: 536
 Ion Ratio Lower Upper
 56 100
 55 105.4 58.2 87.4#





#16

Acetone

Concen: 3.699 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX016807.D

Acq: 17 Jun 2020 03:12

Instrument :

MSVOA_X

ClientSampleId :

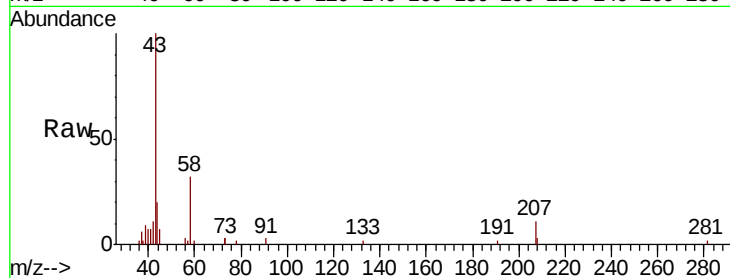
S49-0565DL

Tot Ion: 43 Resp: 5463

Ion Ratio Lower Upper

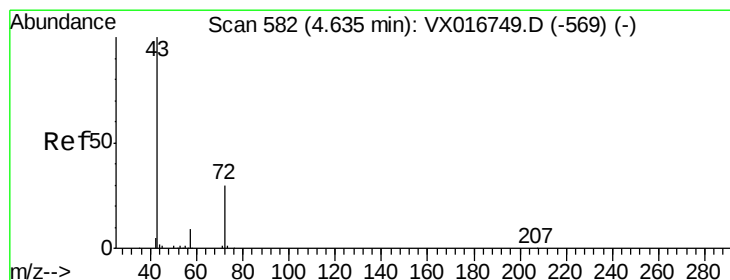
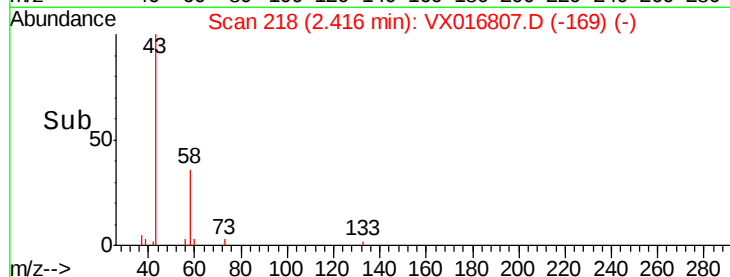
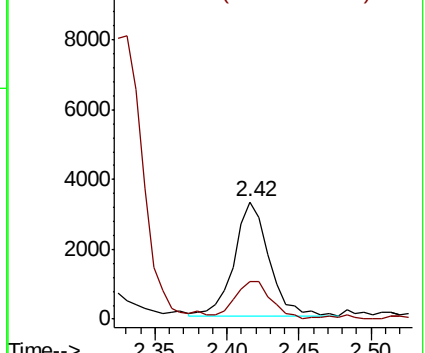
43 100

58 31.2 26.3 39.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#25

2-Butanone

Concen: 47.801 ug/l

RT: 4.64 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX016807.D

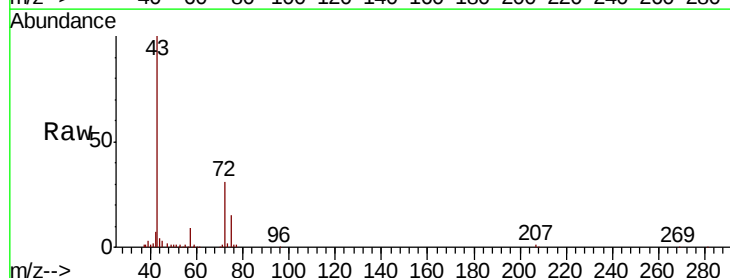
Acq: 17 Jun 2020 03:12

Tgt Ion: 43 Resp: 106398

Ion Ratio Lower Upper

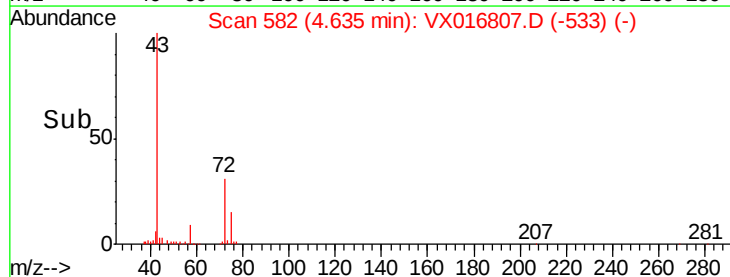
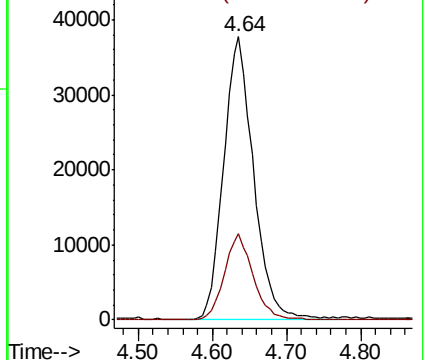
43 100

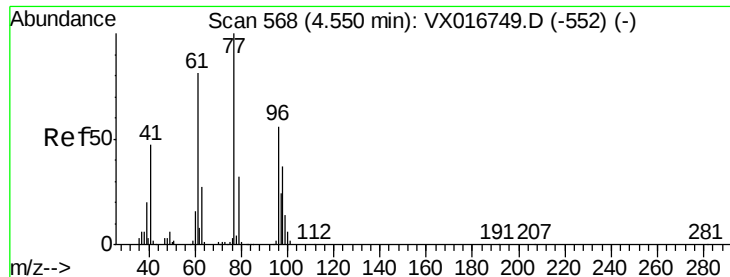
72 30.5 24.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#26

2,2-Dichloropropane

Concen: 0.238 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.10 min

Lab File: VX016807.D

Acq: 17 Jun 2020 03:12

Instrument :

MSVOA_X

ClientSampled :

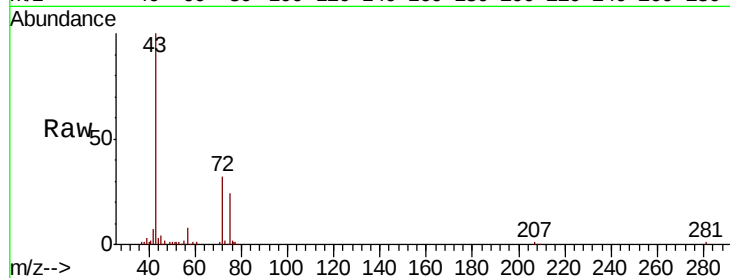
S49-0565DL

Tot Ion: 77 Resp: 1147

Ion Ratio Lower Upper

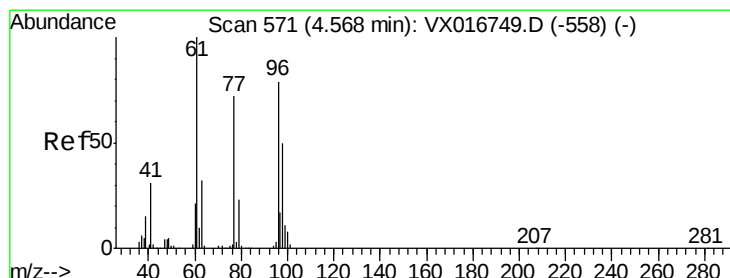
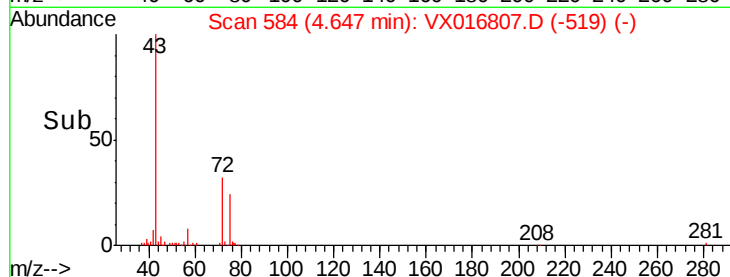
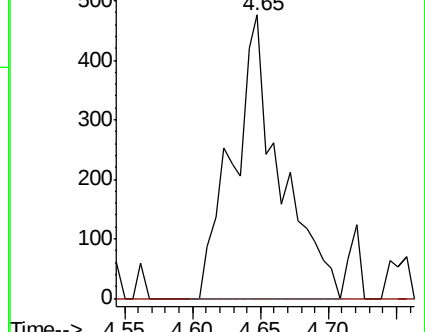
77 100

97 0.0 11.5 34.4#



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



#27

cis-1,2-Dichloroethene

Concen: 0.379 ug/l

RT: 4.56 min Scan# 570

Delta R.T. -0.01 min

Lab File: VX016807.D

Acq: 17 Jun 2020 03:12

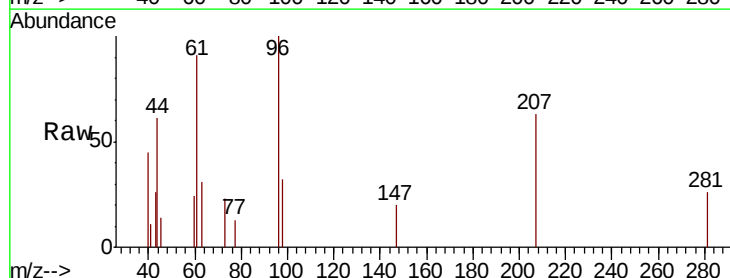
Tgt Ion: 96 Resp: 1318

Ion Ratio Lower Upper

96 100

61 89.6 0.0 276.2

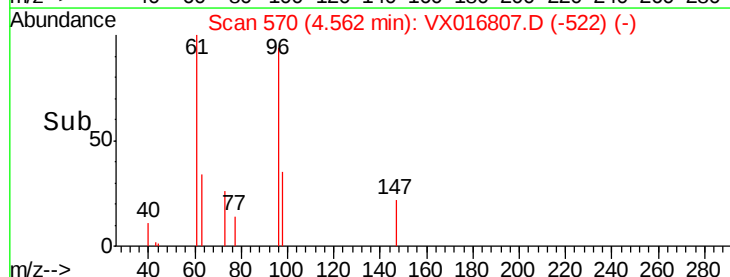
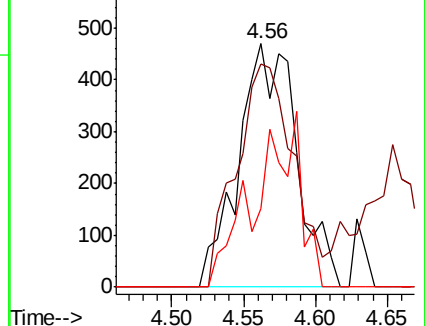
98 16.3 0.0 130.0

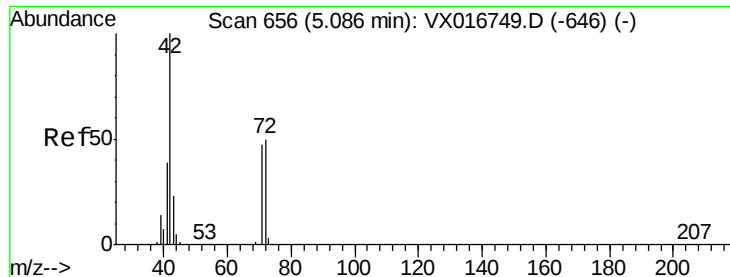


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

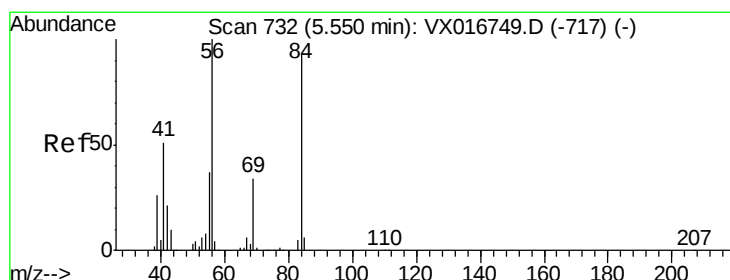
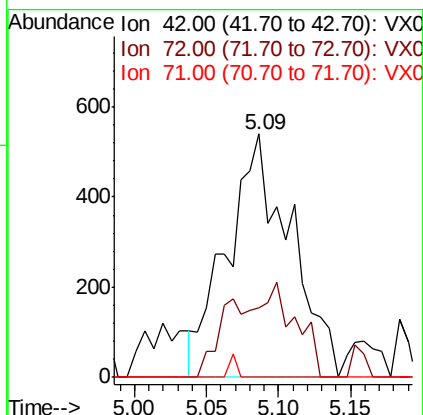
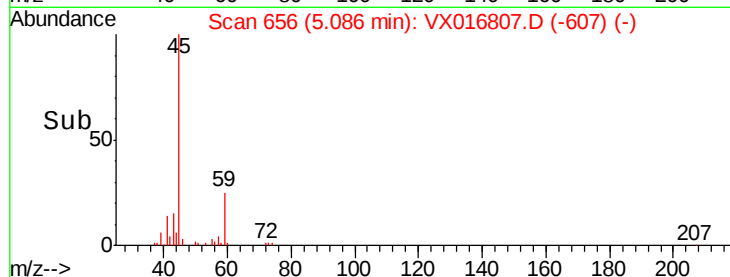
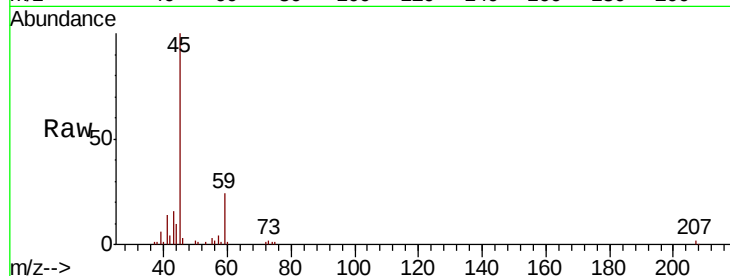




#29
Tetrahydrofuran
Concen: 1.140 ug/l
RT: 5.09 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX016807.D
Acq: 17 Jun 2020 03:12

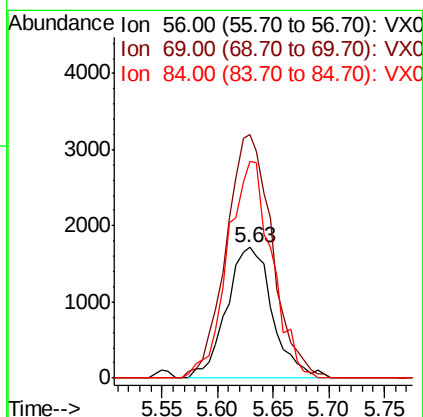
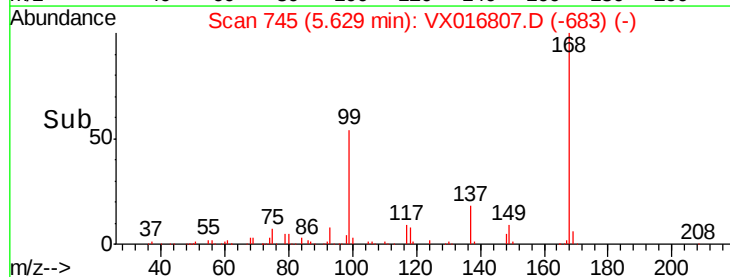
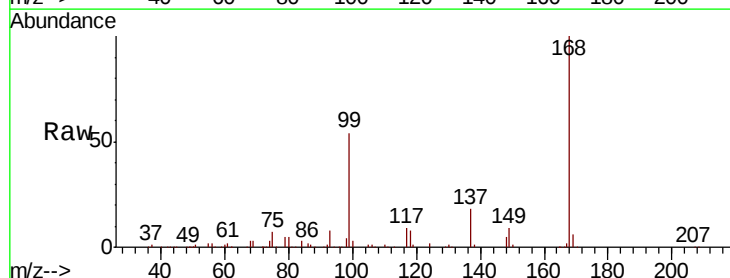
Instrument :
MSVOA_X
ClientSampleId :
S49-0565DL

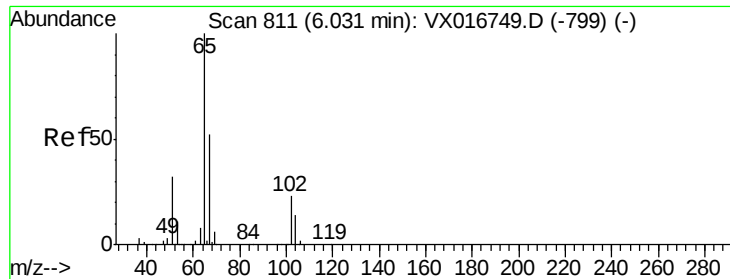
Tot Ion: 42 Resp: 1644
Ion Ratio Lower Upper
42 100
72 22.0 41.0 61.6#
71 0.0 38.2 57.4#



#31
Cyclohexane
Concen: 1.849 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX016807.D
Acq: 17 Jun 2020 03:12

Tgt Ion: 56 Resp: 4899
Ion Ratio Lower Upper
56 100
69 186.5 27.1 40.7#
84 166.2 74.0 111.0#

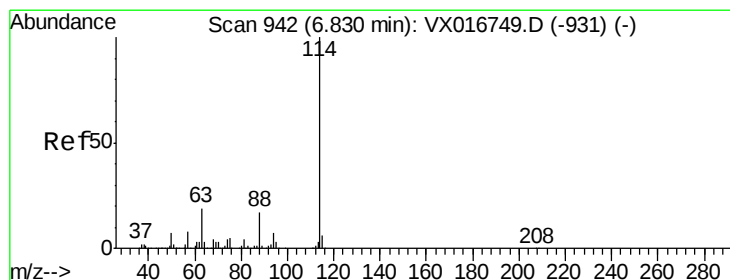
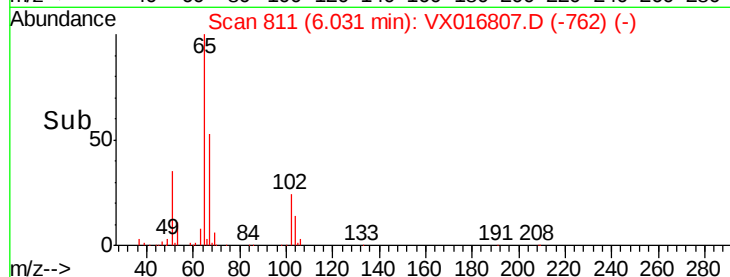
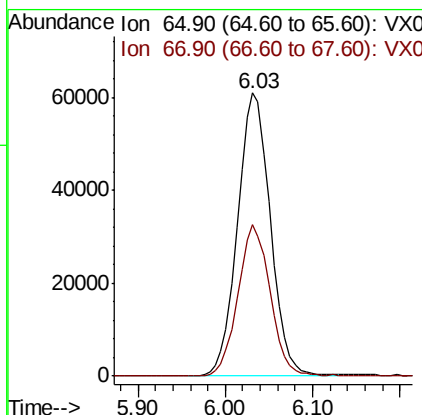
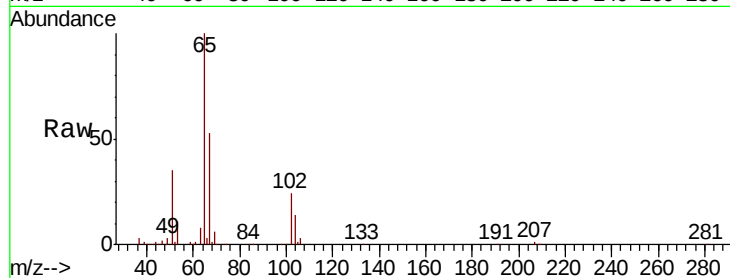




#33
 1,2-Dichloroethane-d4
 Concen: 48.880 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. 0.00 min
 Lab File: VX016807.D
 Acq: 17 Jun 2020 03:12

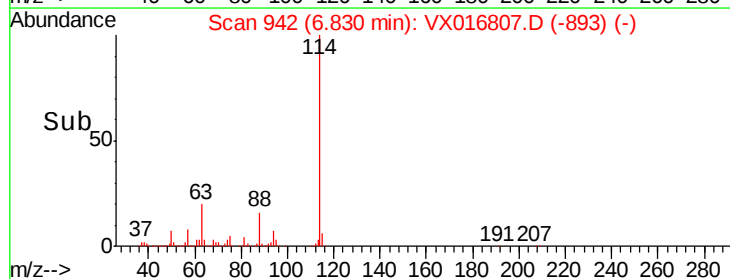
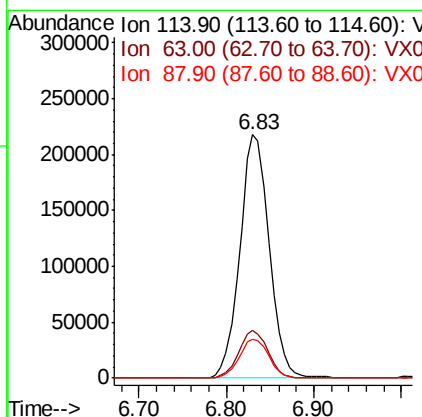
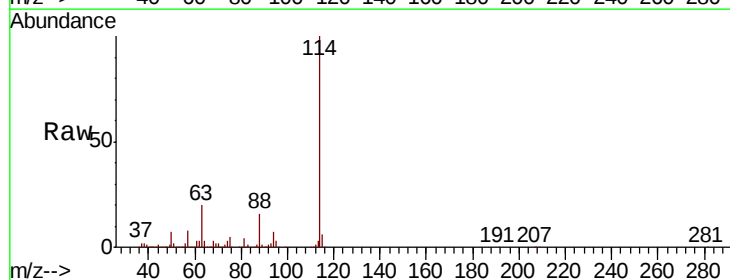
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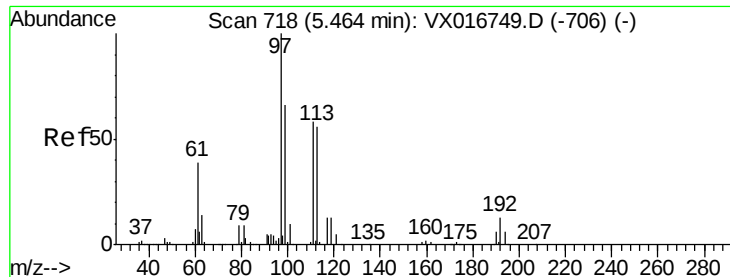
Tot Ion: 65 Resp: 159140
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX016807.D
 Acq: 17 Jun 2020 03:12

Tgt Ion: 114 Resp: 506771
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 38.8
 88 15.7 0.0 33.4

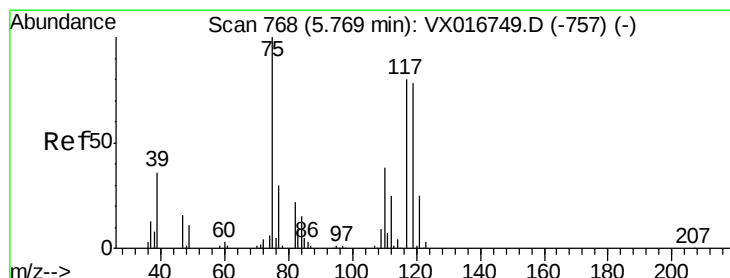
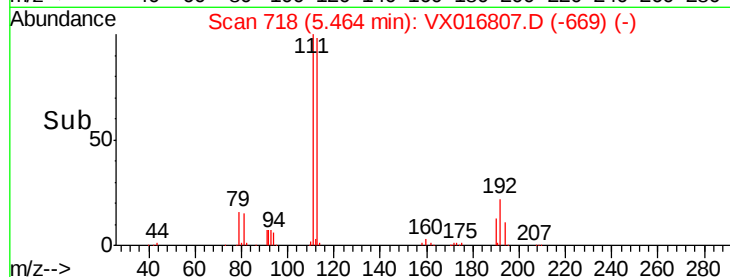
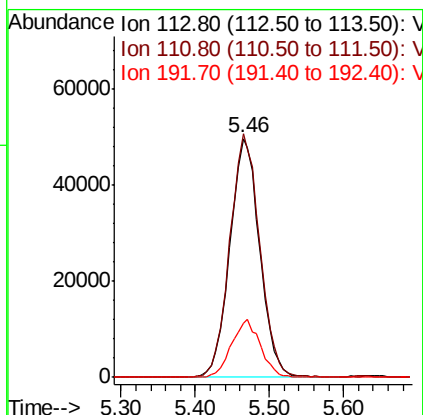
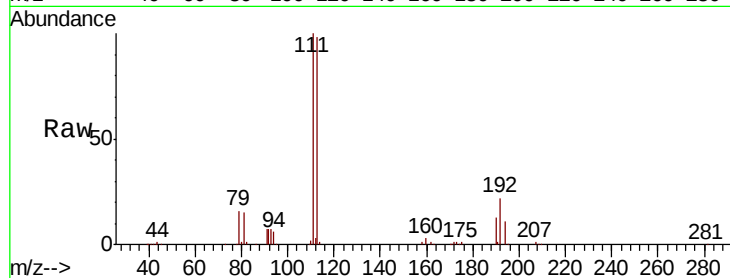




#35
 Dibromofluoromethane
 Concen: 44.537 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.00 min
 Lab File: VX016807.D
 Acq: 17 Jun 2020 03:12

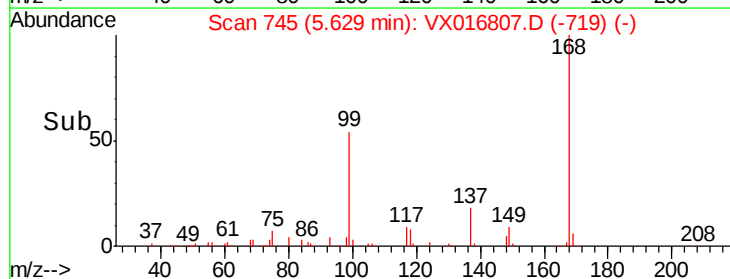
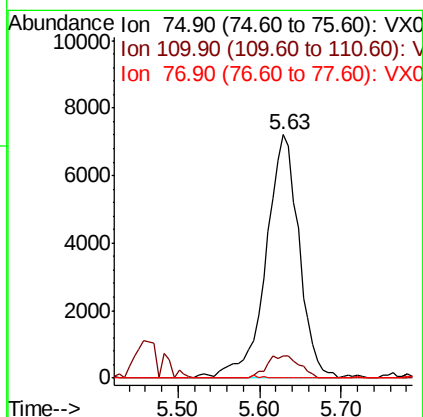
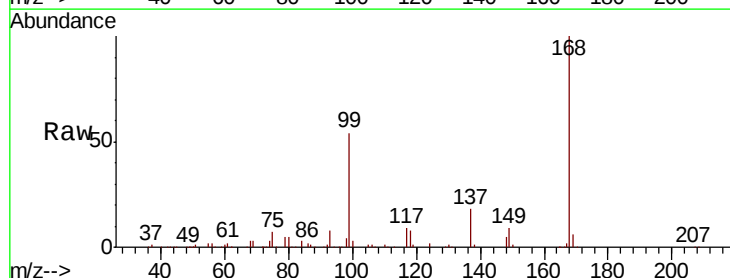
Instrument :
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 S49-0565DL

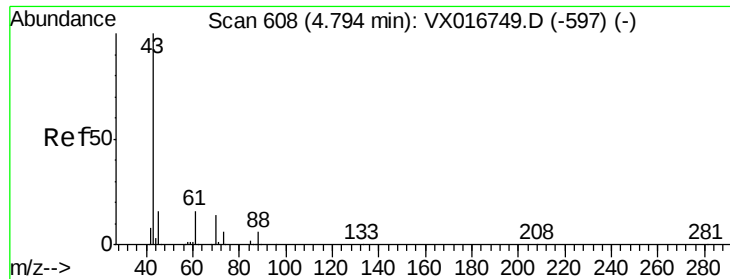
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.8	122.6
192	23.5	18.2	27.4



#36
 1,1-Dichloropropene
 Concen: 4.524 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX016807.D
 Acq: 17 Jun 2020 03:12

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.2	18.4	55.2#
77	0.0	24.7	37.1#

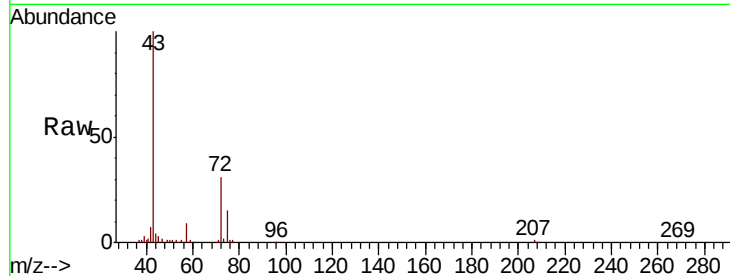




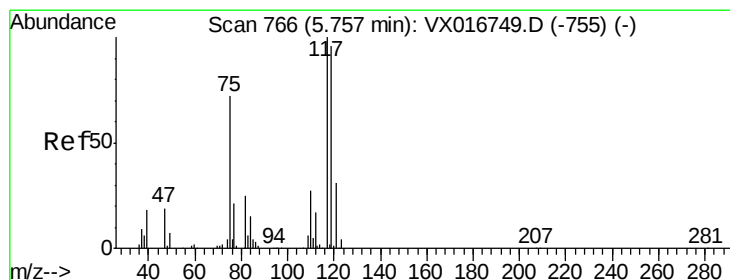
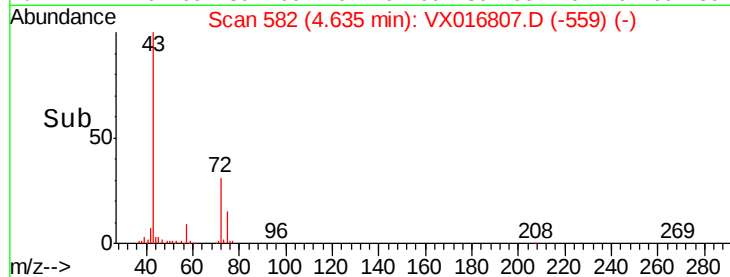
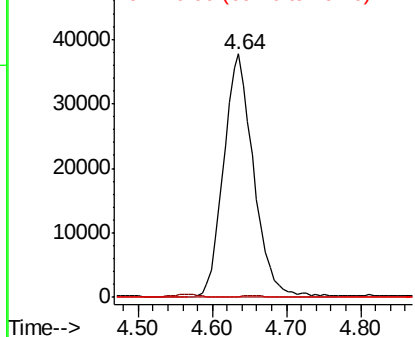
#37
Ethyl Acetate
Concen: 21.694 ug/l
RT: 4.64 min Scan# 582
Delta R.T. -0.16 min
Lab File: VX016807.D
Acq: 17 Jun 2020 03:12

Instrument :
MSVOA_X
ClientSampleId :
S49-0565DL

Tot Ion: 43 Resp: 106398
Ion Ratio Lower Upper
43 100
61 0.0 12.4 18.6#
70 0.1 10.8 16.2#

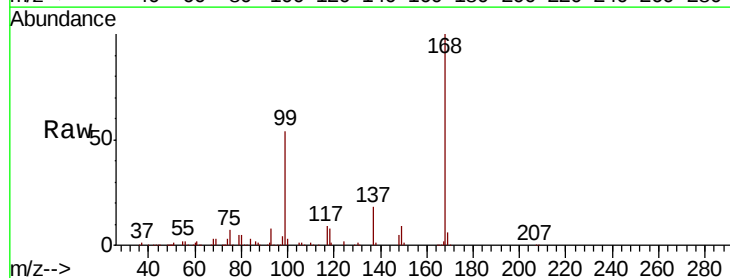


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

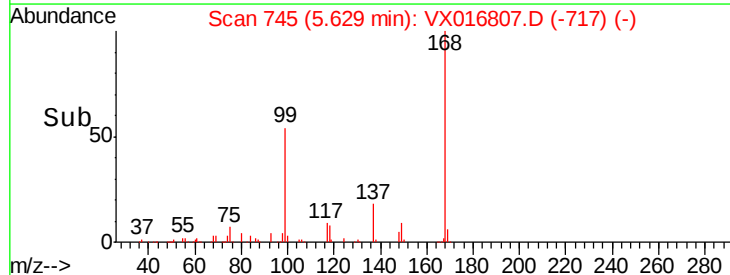
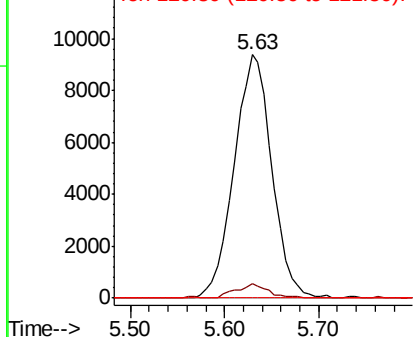


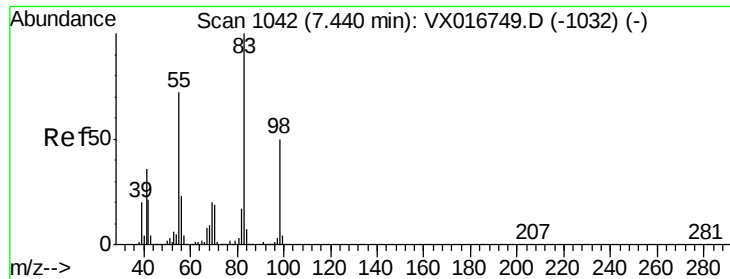
#38
Carbon Tetrachloride
Concen: 5.136 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.13 min
Lab File: VX016807.D
Acq: 17 Jun 2020 03:12

Tgt Ion: 117 Resp: 26121
Ion Ratio Lower Upper
117 100
119 6.0 76.7 115.1#
121 0.0 24.7 37.1#



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

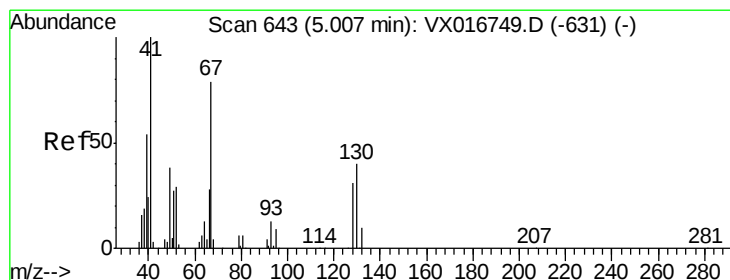
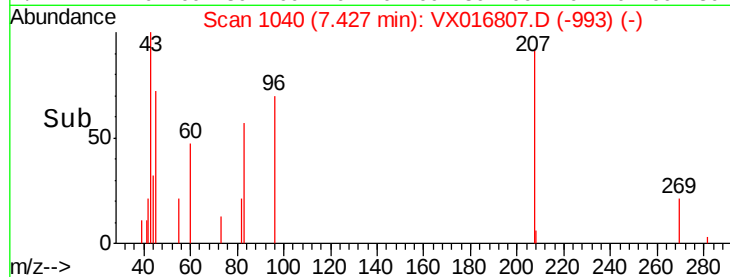
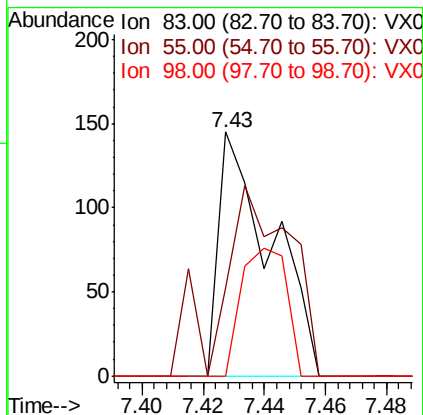
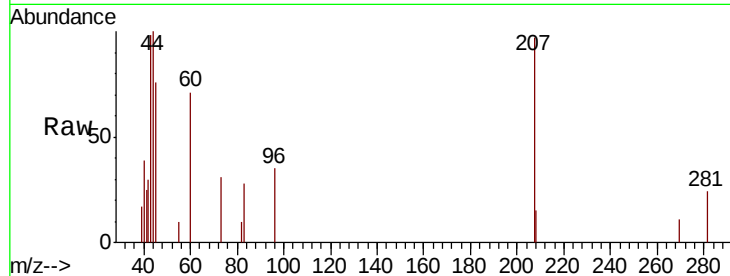




#39
Methvlcvclohexane
Concen: 0.985 ug/l
RT: 7.43 min Scan# 1040
Delta R.T. -0.01 min
Lab File: VX016807.D
Acq: 17 Jun 2020 03:12

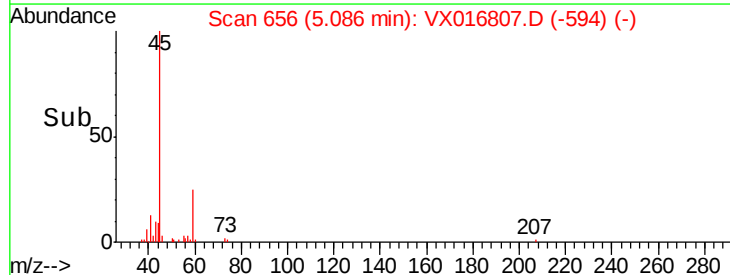
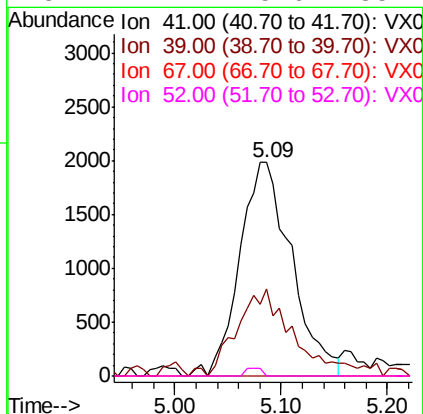
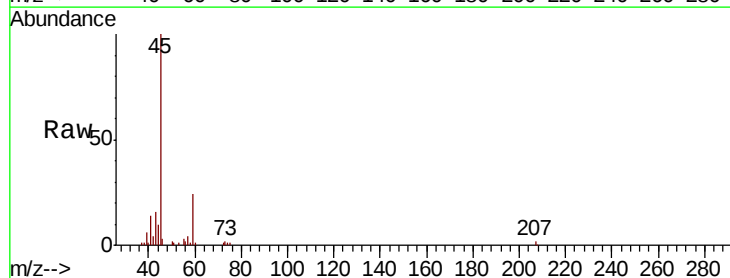
Instrument :
MSVOA_X
ClientSampleId :
S49-0565DL

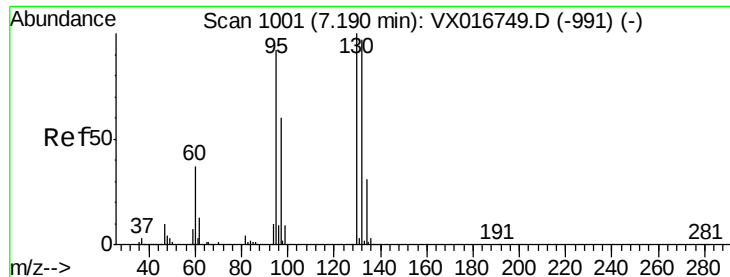
Tot Ion: 83 Resp: 171
Ion Ratio Lower Upper
83 100
55 35.9 57.3 85.9#
98 0.0 40.3 60.5#



#41
Methacrylonitrile
Concen: 2.582 ug/l
RT: 5.09 min Scan# 656
Delta R.T. 0.08 min
Lab File: VX016807.D
Acq: 17 Jun 2020 03:12

Tgt Ion: 41 Resp: 6752
Ion Ratio Lower Upper
41 100
39 44.3 43.7 65.5
67 0.0 64.6 96.8#
52 1.2 25.6 38.4#

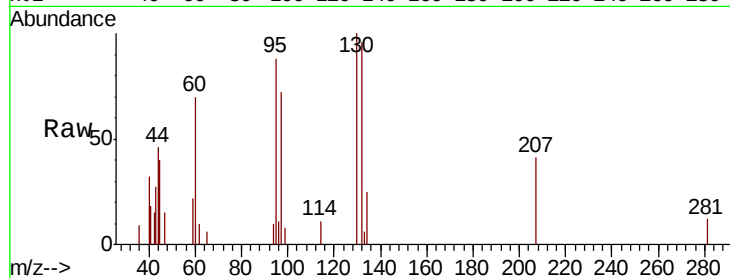




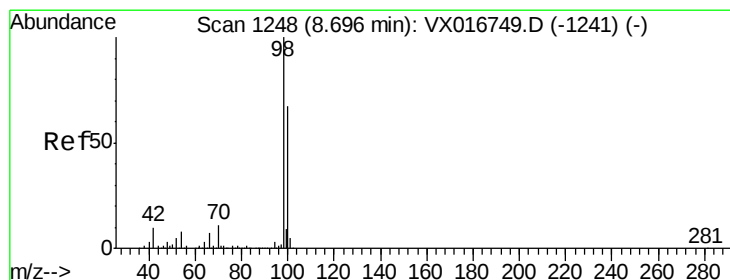
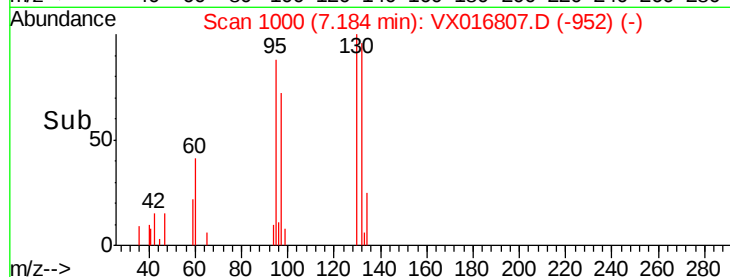
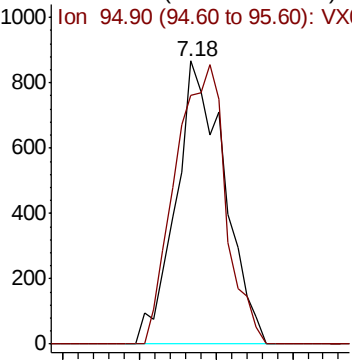
#44
 Trichloroethene
 Concen: 0.453 ug/l
 RT: 7.18 min Scan# 1000
 Delta R.T. -0.01 min
 Lab File: VX016807.D
 Acq: 17 Jun 2020 03:12

Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0565DL

Tot Ion:130 Resp: 1909
 Ion Ratio Lower Upper
 130 100
 95 88.0 0.0 183.6

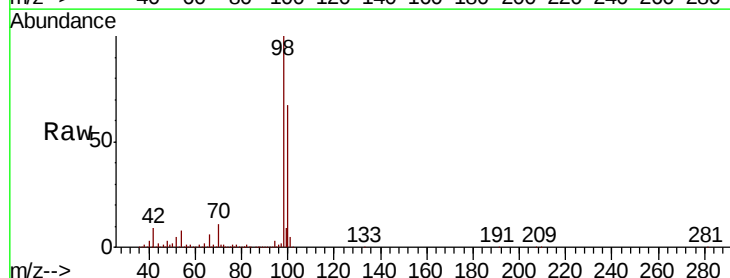


Abundance Ion 129.80 (129.50 to 130.50): V

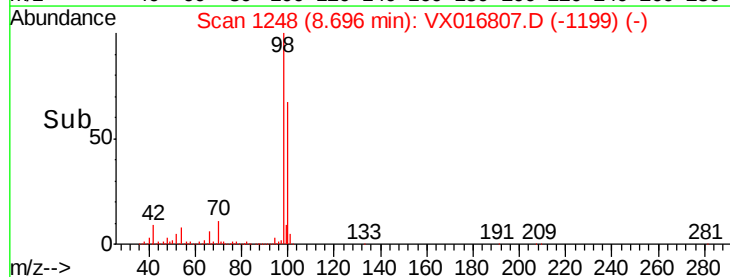
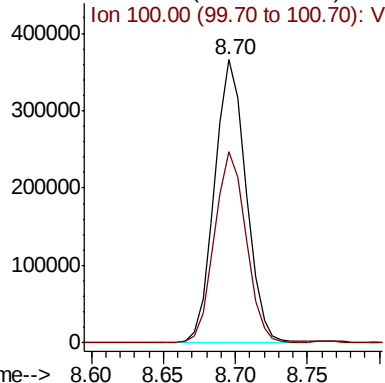


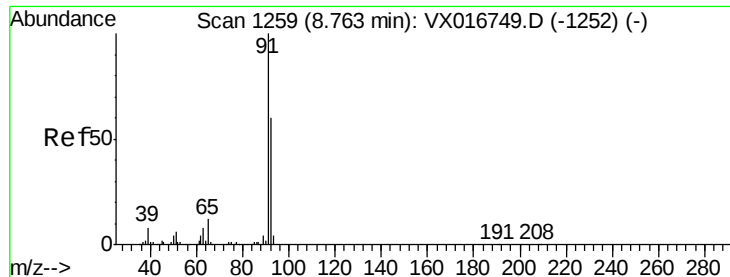
#50
 Toluene-d8
 Concen: 48.047 ug/l
 RT: 8.70 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VX016807.D
 Acq: 17 Jun 2020 03:12

Tgt Ion: 98 Resp: 553934
 Ion Ratio Lower Upper
 98 100
 100 67.7 53.9 80.9



Abundance Ion 98.00 (97.70 to 98.70): VX0





#52

Toluene

Concen: 0.366 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. 0.01 min

Lab File: VX016807.D

Acq: 17 Jun 2020 03:12

Instrument :

MSVOA_X

ClientSampleId :

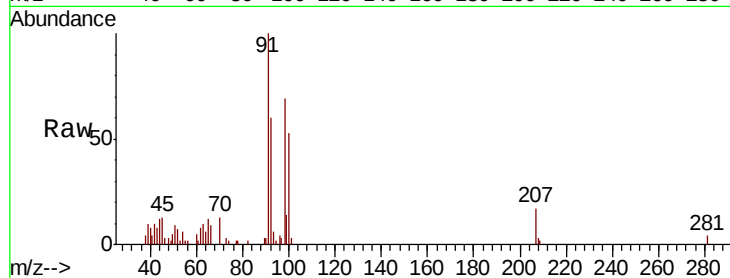
S49-0565DL

Tot Ion: 92 Resp: 3245

Ion Ratio Lower Upper

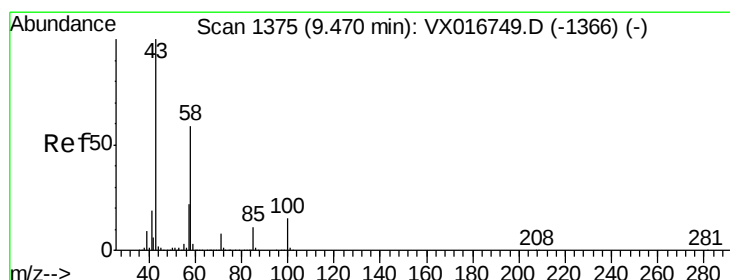
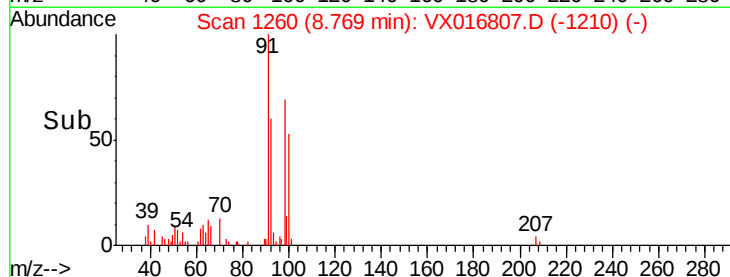
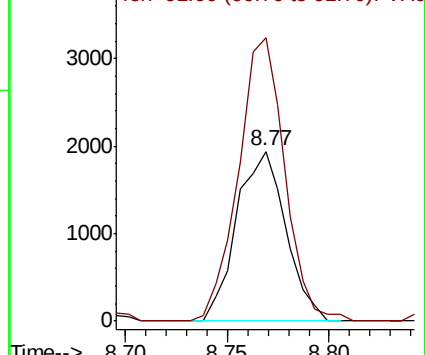
92 100

91 157.7 136.1 204.1



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#59

2-Hexanone

Concen: 3.426 ug/l

RT: 9.61 min Scan# 1398

Delta R.T. 0.14 min

Lab File: VX016807.D

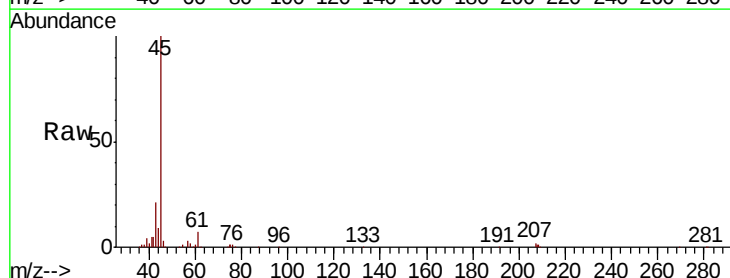
Acq: 17 Jun 2020 03:12

Tgt Ion: 43 Resp: 12526

Ion Ratio Lower Upper

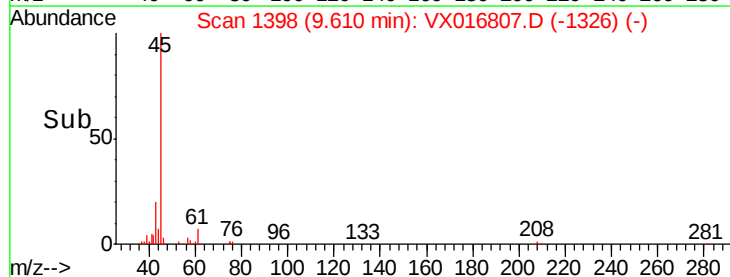
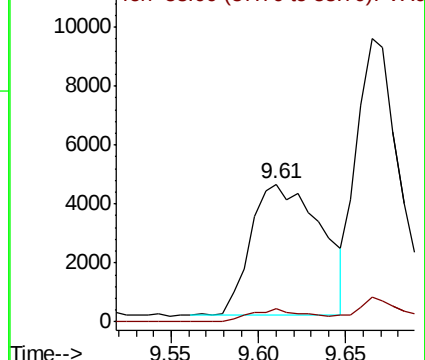
43 100

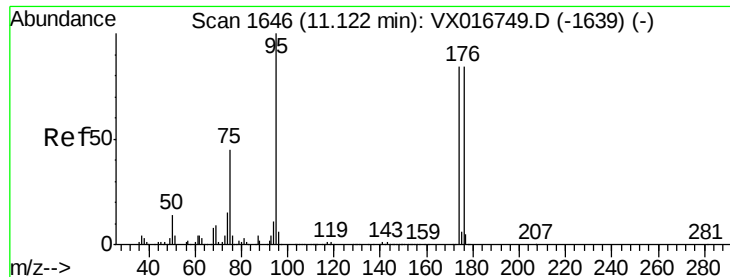
58 8.1 29.9 89.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#62

4-Bromofluorobenzene

Concen: 52.418 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016807.D

Acq: 17 Jun 2020 03:12

Instrument :

MSVOA_X

ClientSampleId :

S49-0565DL

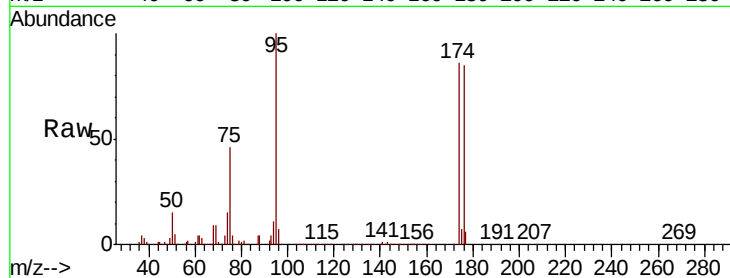
Tot Ion: 95 Resp: 231155

Ion Ratio Lower Upper

95 100

174 87.1 0.0 171.0

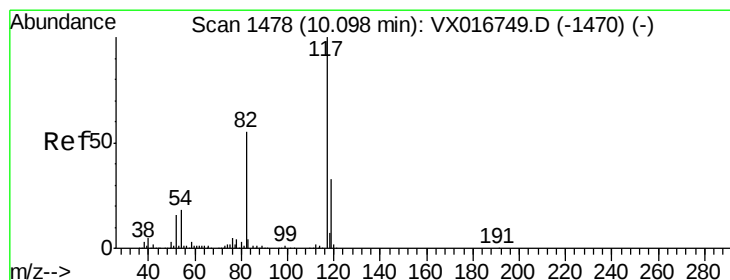
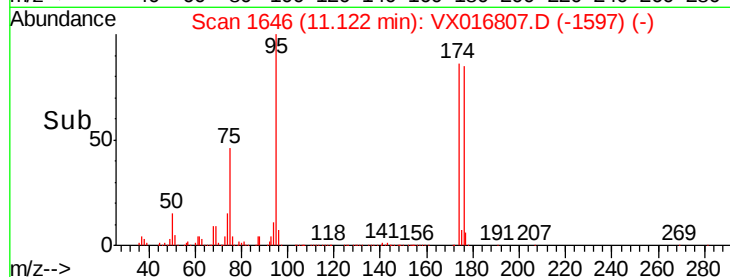
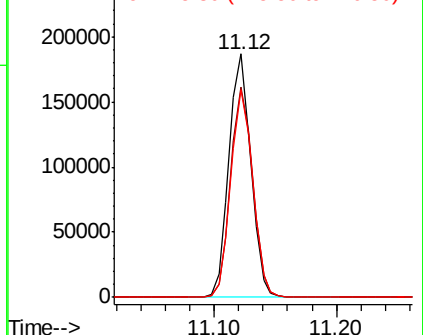
176 85.7 0.0 166.2



Abundance Ion 94.90 (94.60 to 95.60): VX016807.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX016807.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX016807.D (-1597) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016807.D

Acq: 17 Jun 2020 03:12

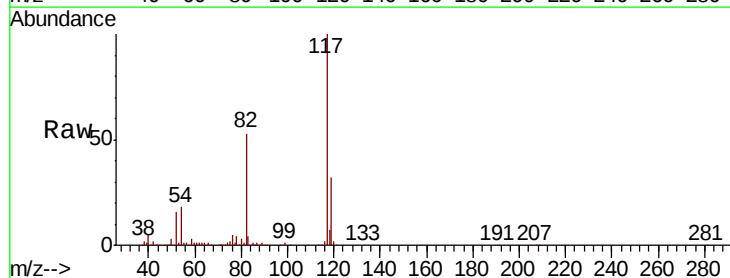
Tgt Ion: 117 Resp: 471527

Ion Ratio Lower Upper

117 100

82 52.8 43.8 65.6

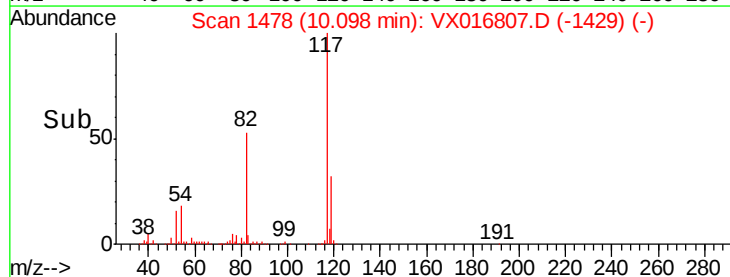
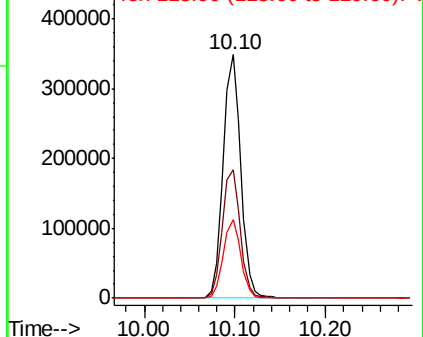
119 32.3 26.2 39.4

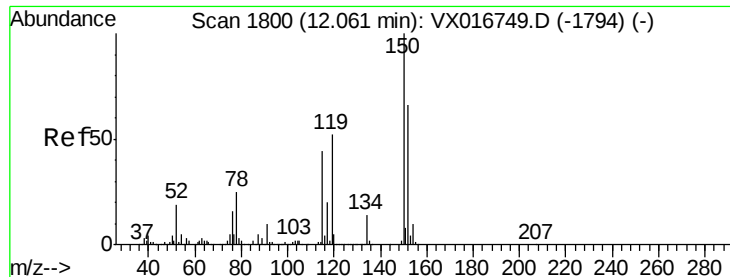


Abundance Ion 116.90 (116.60 to 117.60): VX016807.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX016807.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX016807.D (-1429) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016807.D

Acq: 17 Jun 2020 03:12

Instrument :

MSVOA_X

ClientSampleId :

S49-0565DL

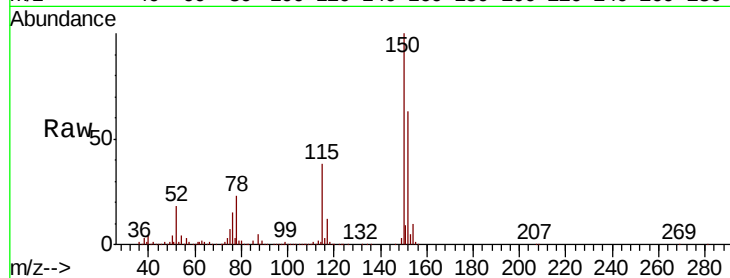
Tot Ion:152 Resp: 264379

Ion Ratio Lower Upper

152 100

115 57.8 40.3 120.8

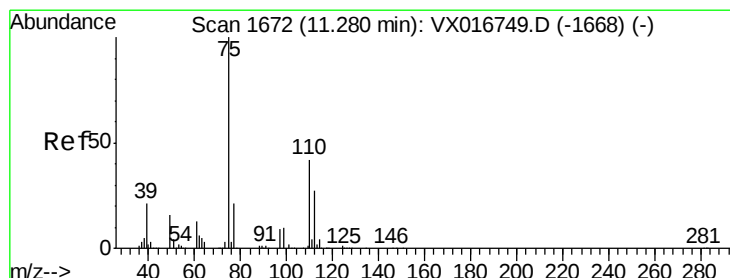
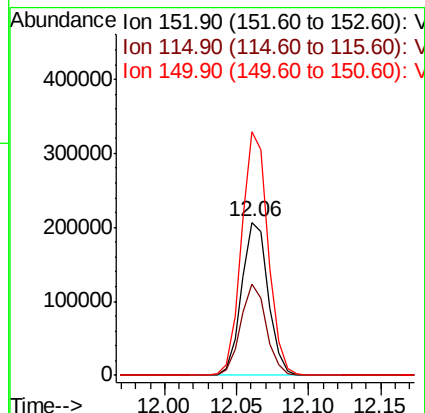
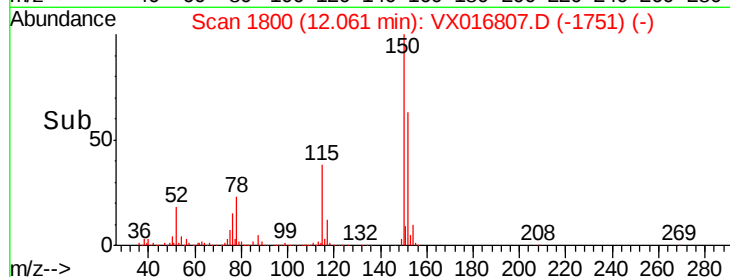
150 158.3 0.0 337.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 19.622 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016807.D

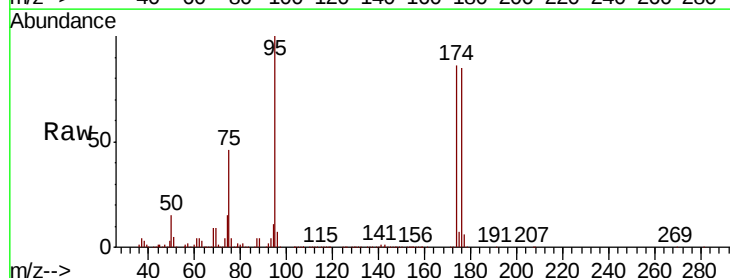
Acq: 17 Jun 2020 03:12

Tgt Ion: 75 Resp: 109093

Ion Ratio Lower Upper

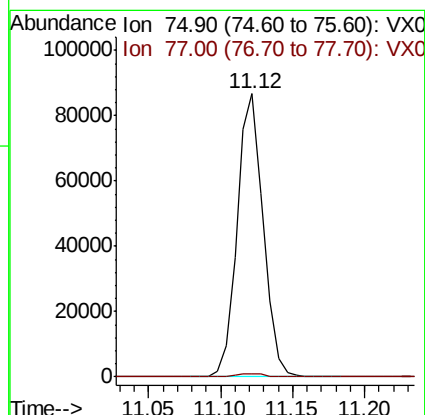
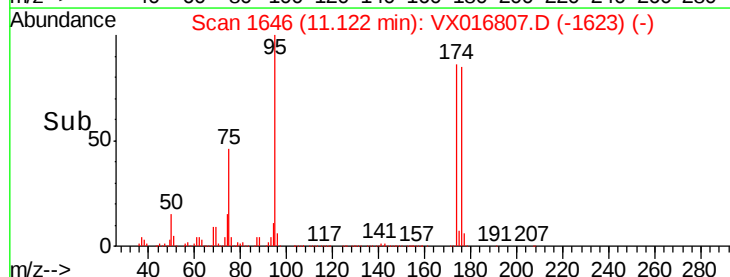
75 100

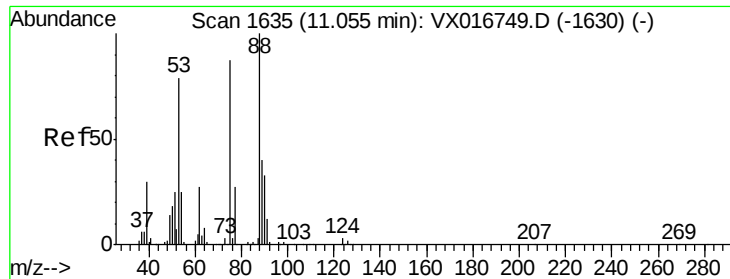
77 1.3 20.3 60.9#



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: 49.397 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX016807.D

Acq: 17 Jun 2020 03:12

Instrument :

MSVOA_X

ClientSampleId :

S49-0565DL

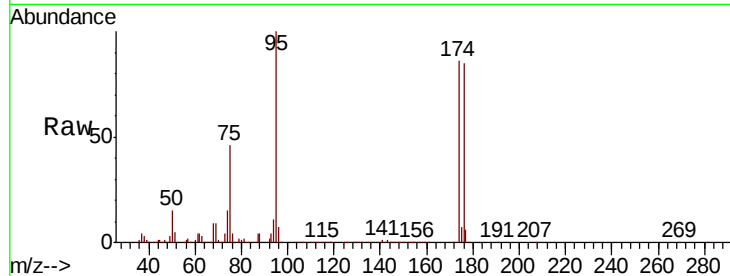
Tot Ion: 75 Resp: 109093

Ion Ratio Lower Upper

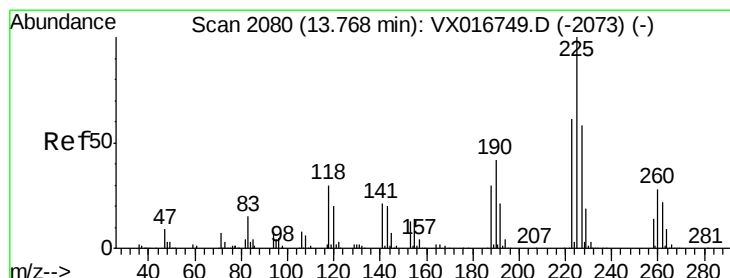
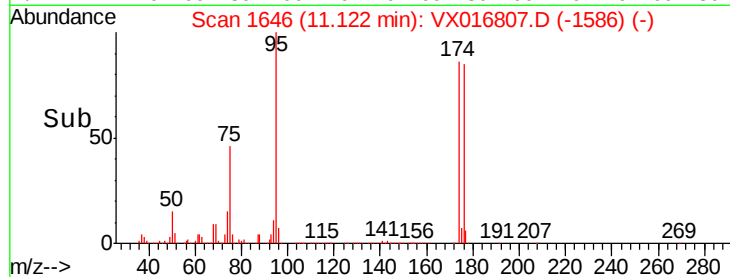
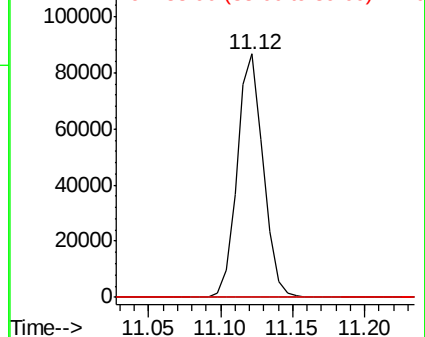
75 100

53 0.0 71.4 107.0#

89 0.0 39.1 58.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#94

Hexachlorobutadiene

Concen: 0.486 ug/l

RT: 13.77 min Scan# 2081

Delta R.T. 0.01 min

Lab File: VX016807.D

Acq: 17 Jun 2020 03:12

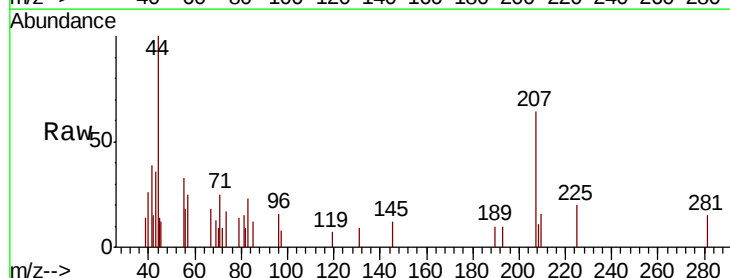
Tgt Ion: 225 Resp: 186

Ion Ratio Lower Upper

225 100

223 0.0 31.1 93.5#

227 39.8 30.9 92.7



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

