

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX042420\
 Data File : VX015946.D
 Acq On : 24 Apr 2020 21:15
 Operator : JC/SP
 Sample : L2414-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-DUP-0547-200422

Quant Time: Apr 25 06:54:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042420W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 24 13:17:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	136059	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	257998	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	247004	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	120822	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	99111	51.59	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.18%	
35) Dibromofluoromethane	5.47	113	75908	53.95	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	107.90%	
50) Toluene-d8	8.70	98	319608	53.65	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	107.30%	
62) 4-Bromofluorobenzene	11.12	95	132969	55.03	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	110.06%	

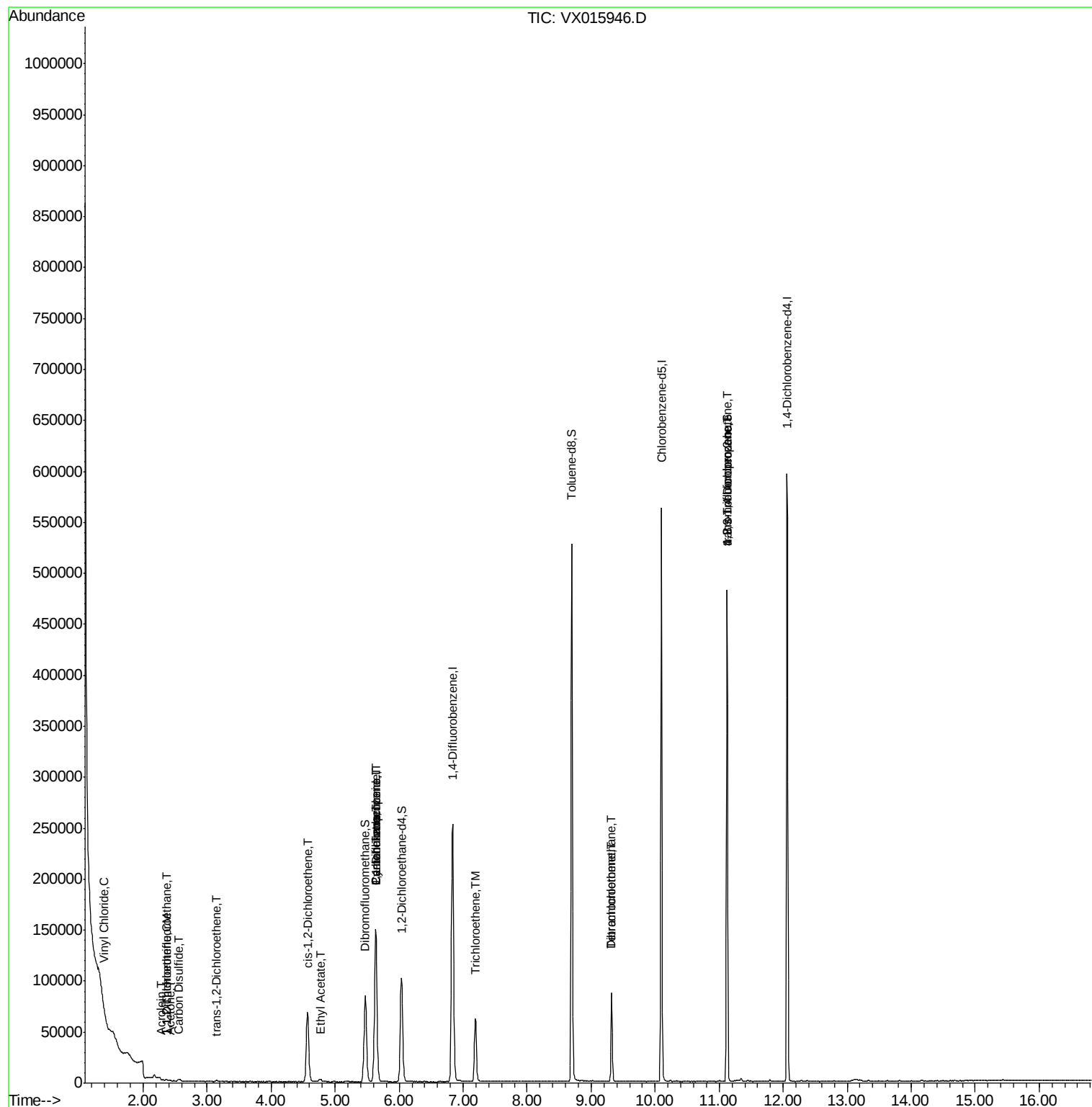
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.39	62	578	0.293	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.37	101	405	0.275	ug/l	96
12) 1,1-Dichloroethene	2.36	96	567	0.368	ug/l #	40
13) Acrolein	2.28	56	76	0.297	ug/l #	36
16) Acetone	2.42	43	1014	1.407	ug/l	100
17) Carbon Disulfide	2.55	76	2239	0.229	ug/l	95
21) trans-1,2-Dichloroethene	3.14	96	921	0.535	ug/l #	77
27) cis-1,2-Dichloroethene	4.57	96	44582	22.834	ug/l	88
31) Cyclohexane	5.64	56	3097	1.075	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	12094	4.912	ug/l #	50
37) Ethyl Acetate	4.76	43	935	0.379	ug/l #	67
38) Carbon Tetrachloride	5.64	117	14220	6.320	ug/l #	16
44) Trichloroethene	7.19	130	23376	10.538	ug/l	97
60) Dibromochloromethane	9.32	129	16109	8.885	ug/l #	11
64) Tetrachloroethene	9.32	164	16005	6.512	ug/l	95
76) 1,2,3-Trichloropropane	11.12	75	66047	25.484	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.12	75	66047	57.405	ug/l #	14

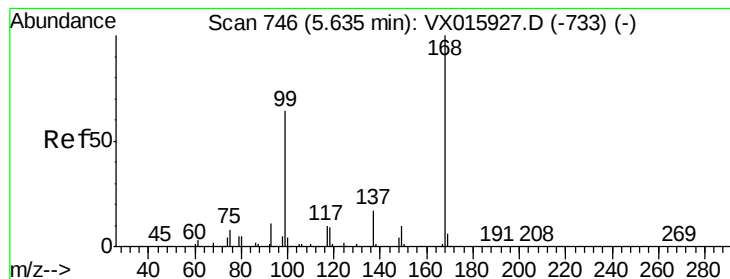
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Apr 24 13:17:59 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: VX015946.D

Acq: 24 Apr 2020 21:15

Instrument :

MSVOA_X

ClientSampleId :

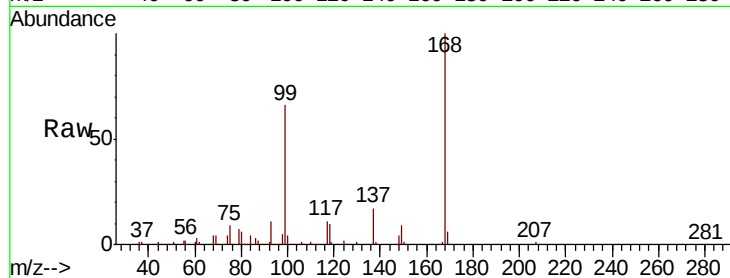
Z3-DUP-0547-200422

Tot Ion:168 Resp: 136059

Ion Ratio Lower Upper

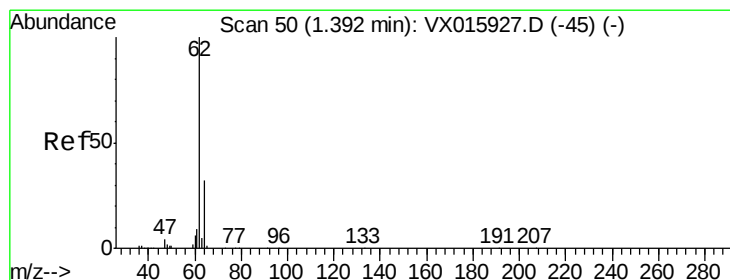
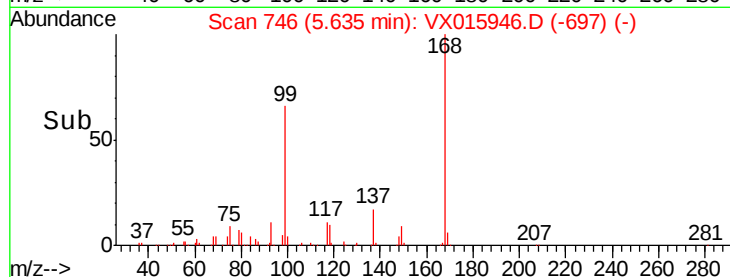
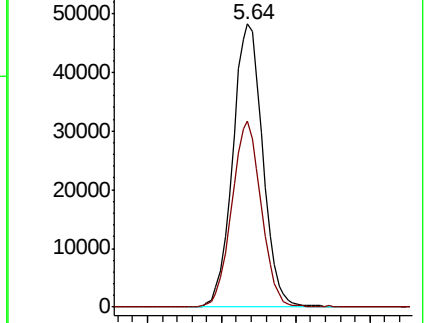
168 100

99 65.7 51.2 76.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#4

Vinyl Chloride

Concen: 0.293 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX015946.D

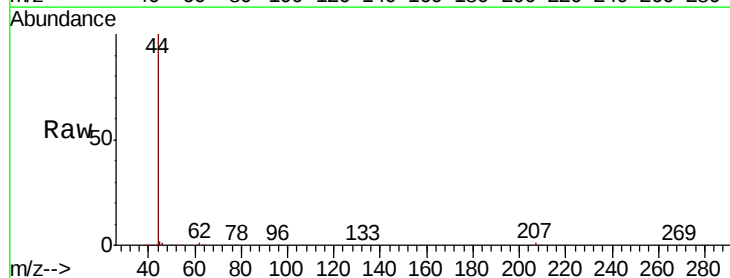
Acq: 24 Apr 2020 21:15

Tgt Ion: 62 Resp: 578

Ion Ratio Lower Upper

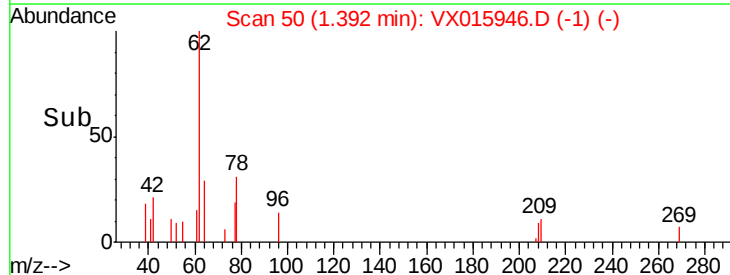
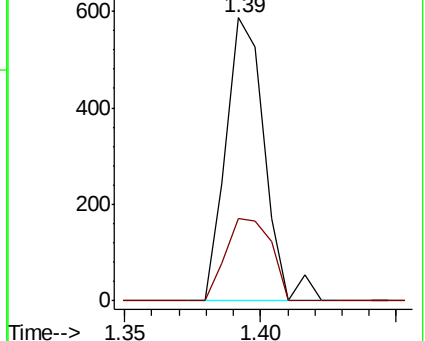
62 100

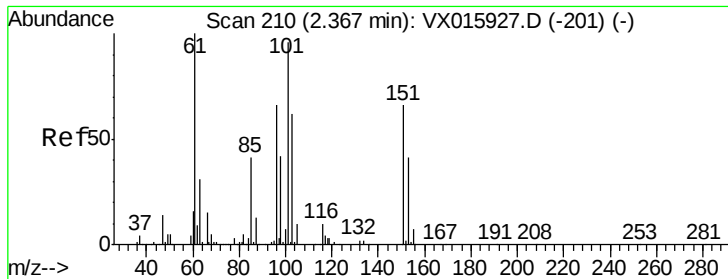
64 29.0 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.275 ug/l

RT: 2.37 min Scan# 211

Delta R.T. 0.01 min

Lab File: VX015946.D

Acq: 24 Apr 2020 21:15

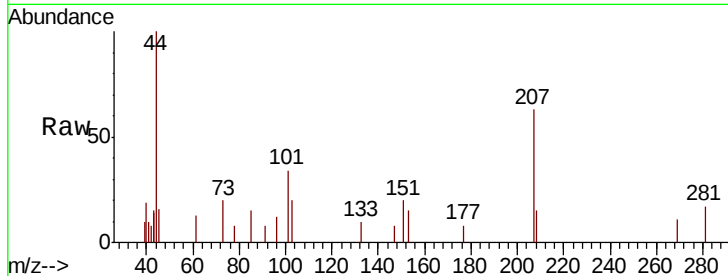
Instrument :

MSVOA_X

ClientSampleId :

Z3-DUP-0547-200422

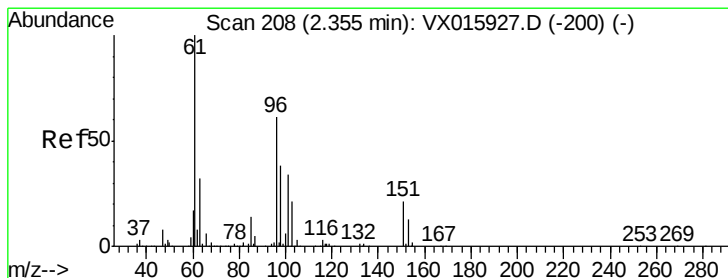
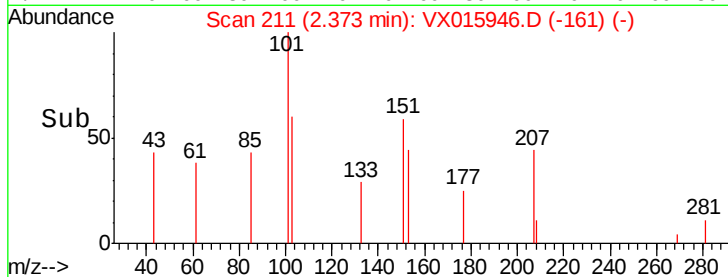
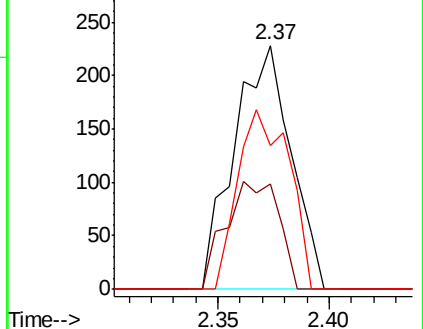
Tot Ion:	101	Resp:	405
Ion	Ratio	Lower	Upper
101	100		
85	41.5	34.9	52.3
151	66.4	55.8	83.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#12

1,1-Dichloroethene

Concen: 0.368 ug/l

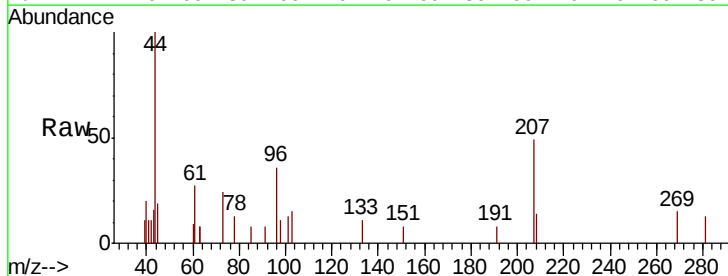
RT: 2.36 min Scan# 208

Delta R.T. 0.00 min

Lab File: VX015946.D

Acq: 24 Apr 2020 21:15

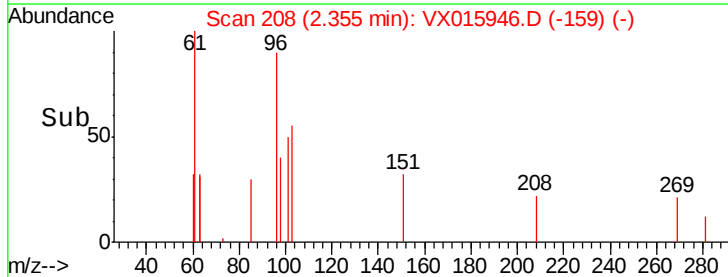
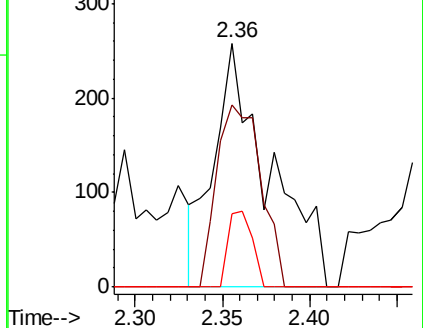
Tgt Ion:	96	Resp:	567
Ion	Ratio	Lower	Upper
96	100		
61	74.8	131.2	196.8#
98	29.8	50.2	75.4#

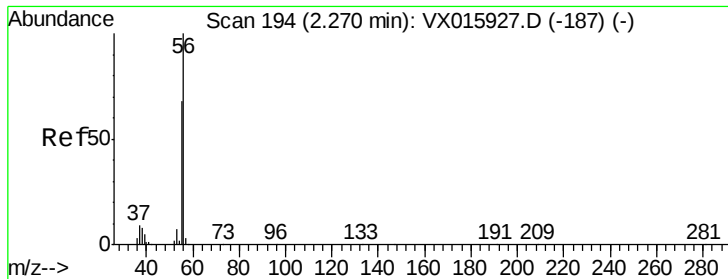


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#13

Acrolein

Concen: 0.297 ug/l

RT: 2.28 min Scan# 196

Delta R.T. 0.01 min

Lab File: VX015946.D

Acq: 24 Apr 2020 21:15

Instrument :

MSVOA_X

ClientSampleId :

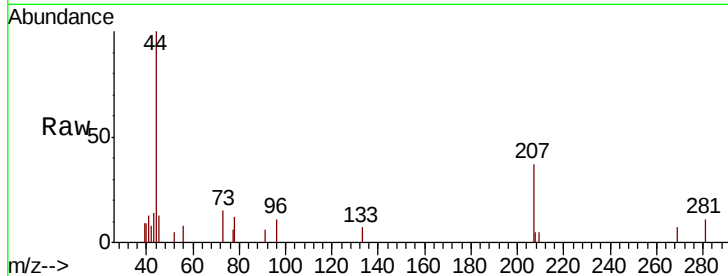
Z3-DUP-0547-200422

Tot Ion: 56 Resp: 76

Ion Ratio Lower Upper

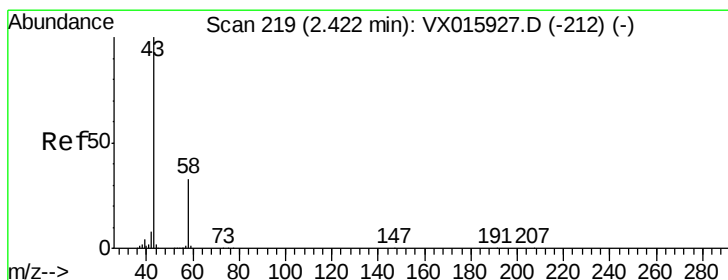
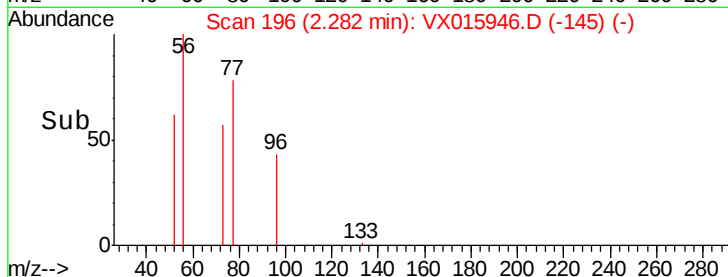
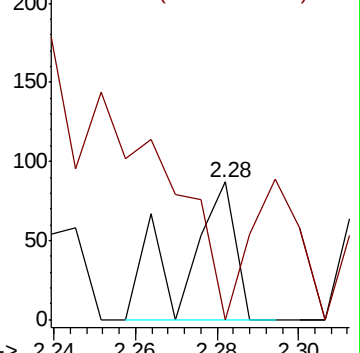
56 100

55 122.4 56.0 84.0#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 1.407 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.00 min

Lab File: VX015946.D

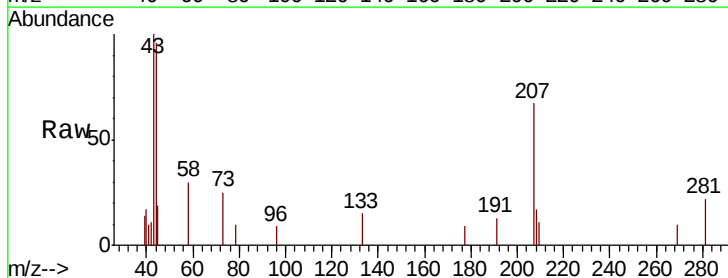
Acq: 24 Apr 2020 21:15

Tgt Ion: 43 Resp: 1014

Ion Ratio Lower Upper

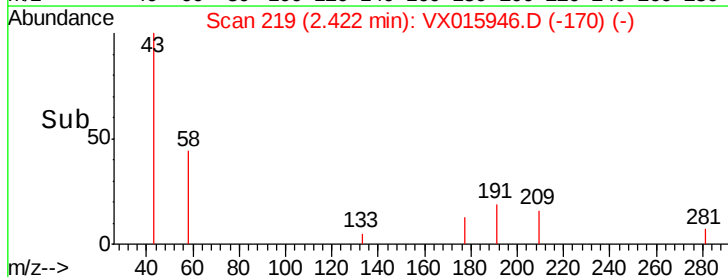
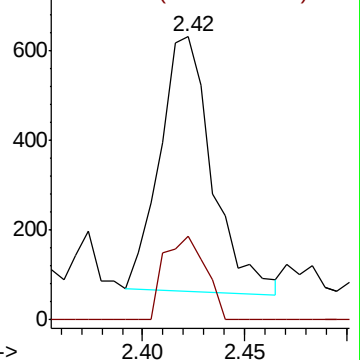
43 100

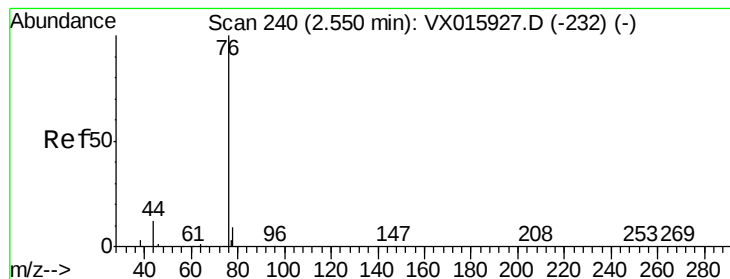
58 33.3 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.229 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX015946.D

Acq: 24 Apr 2020 21:15

Instrument :

MSVOA_X

ClientSampleId :

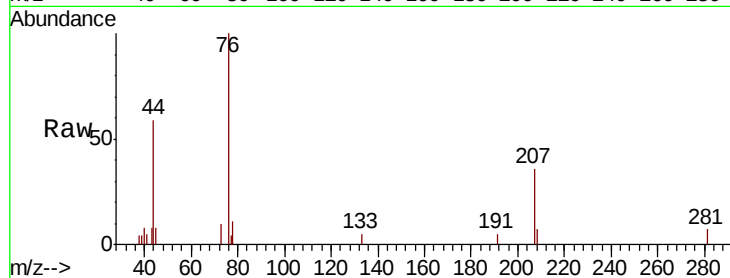
Z3-DUP-0547-200422

Tot Ion: 76 Resp: 2239

Ion Ratio Lower Upper

76 100

78 11.0 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.55

1500

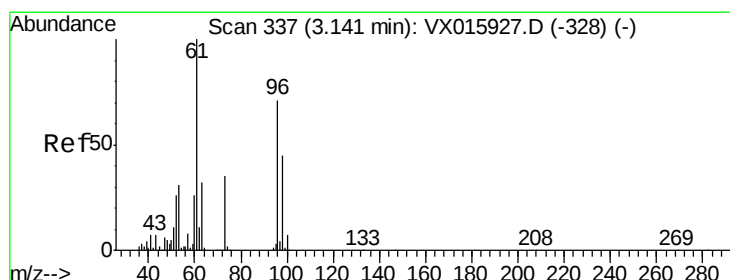
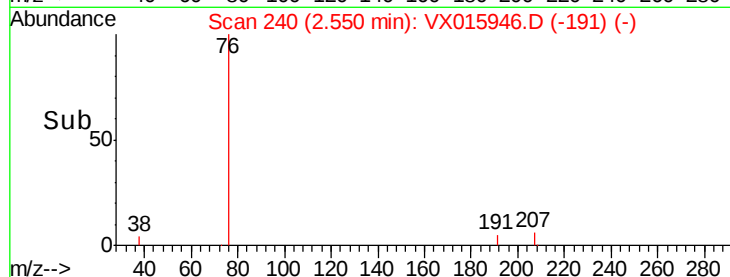
1000

500

0

2.50 2.55 2.60

Time-->



#21

trans-1,2-Dichloroethene

Concen: 0.535 ug/l

RT: 3.14 min Scan# 337

Delta R.T. 0.00 min

Lab File: VX015946.D

Acq: 24 Apr 2020 21:15

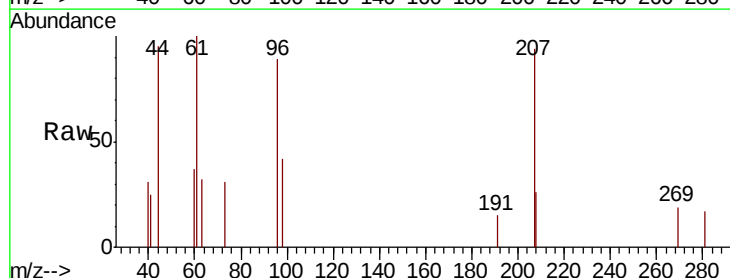
Tgt Ion: 96 Resp: 921

Ion Ratio Lower Upper

96 100

61 111.9 112.7 169.1#

98 47.5 51.0 76.4#



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

3.14

500

400

300

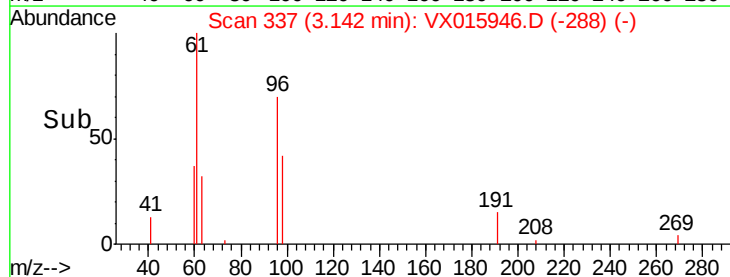
200

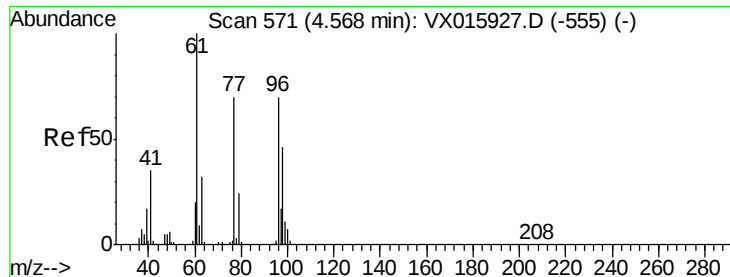
100

0

3.10 3.15 3.20

Time-->



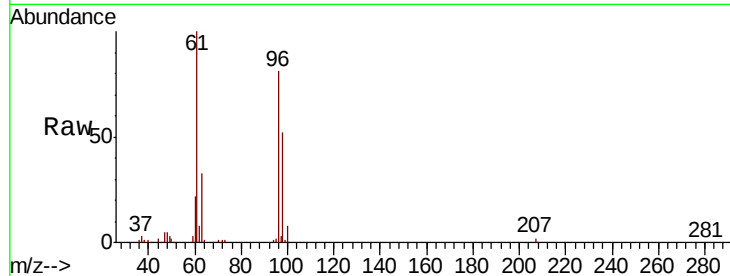


#27

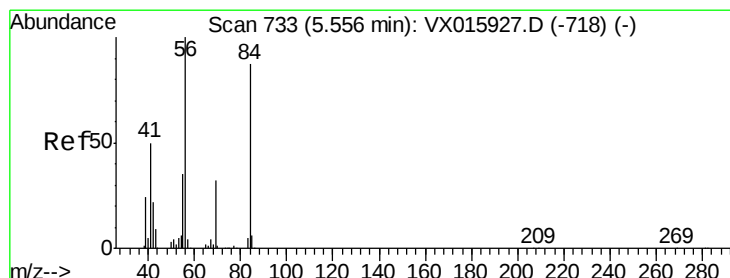
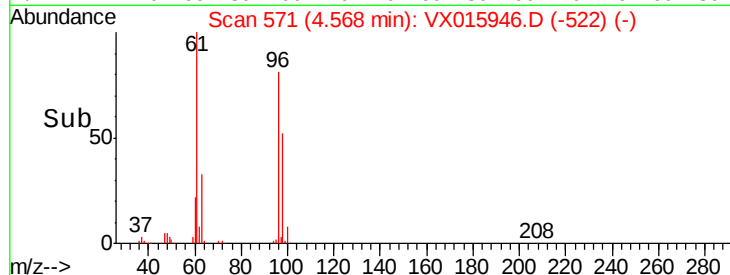
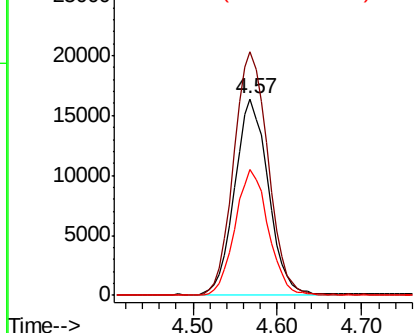
cis-1,2-Dichloroethene
 Concen: 22.834 ug/l
 RT: 4.57 min Scan# 571
 Delta R.T. 0.00 min
 Lab File: VX015946.D
 Acq: 24 Apr 2020 21:15

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-DUP-0547-200422

Tot Ion	Ratio	Lower	Upper
96	100		
61	125.8	0.0	293.4
98	62.6	0.0	129.0



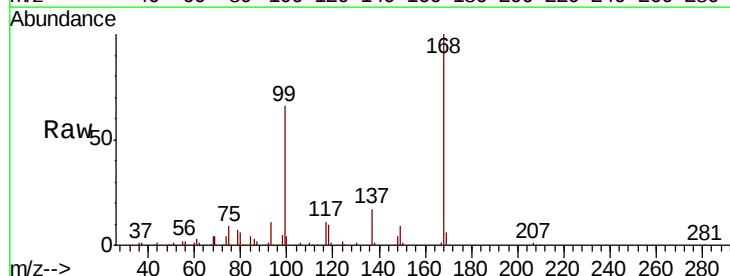
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



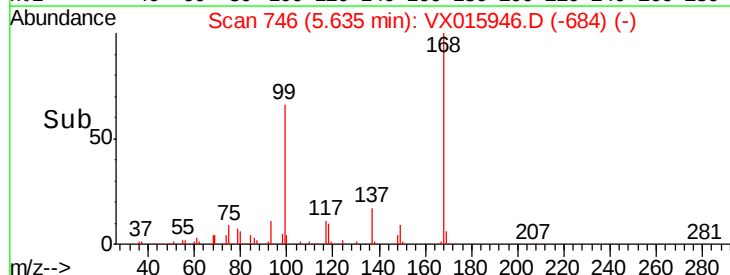
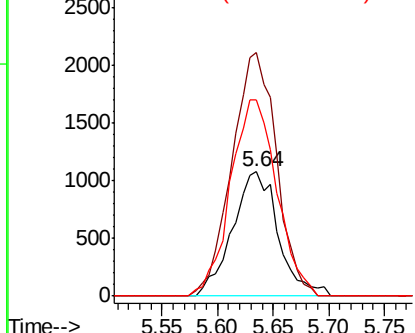
#31

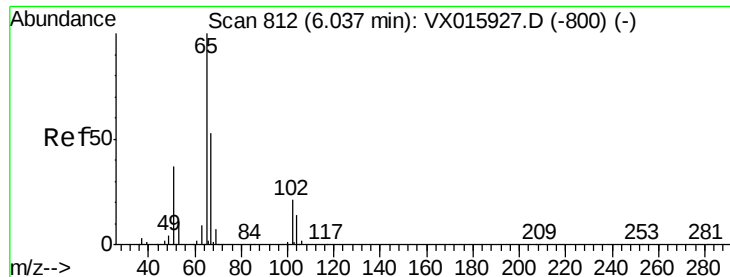
Cyclohexane
 Concen: 1.075 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. 0.08 min
 Lab File: VX015946.D
 Acq: 24 Apr 2020 21:15

Tgt Ion	Ratio	Lower	Upper
56	100		
69	195.6	25.4	38.0#
84	157.9	69.5	104.3#



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: 51.589 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.00 min

Lab File: VX015946.D

Acq: 24 Apr 2020 21:15

Instrument :

MSVOA_X

ClientSampleId :

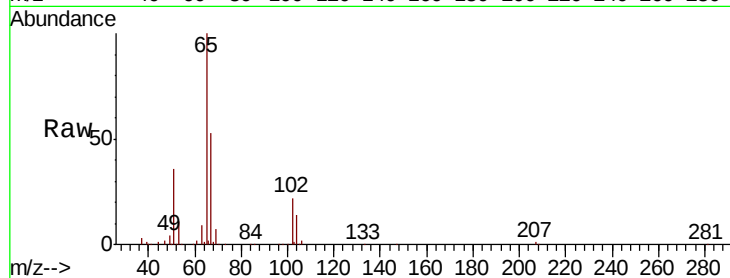
Z3-DUP-0547-200422

Tot Ion: 65 Resp: 99111

Ion Ratio Lower Upper

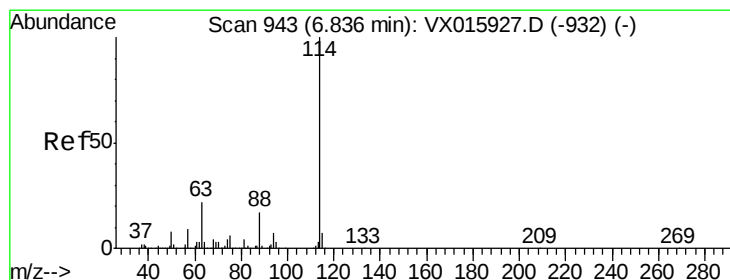
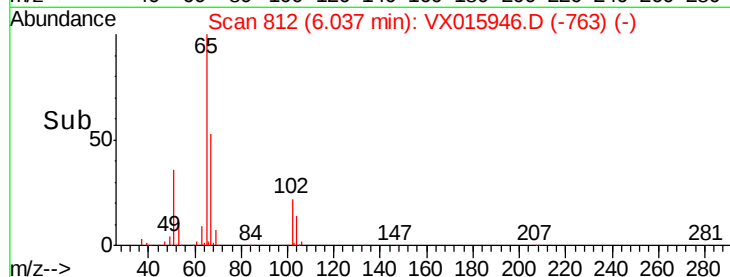
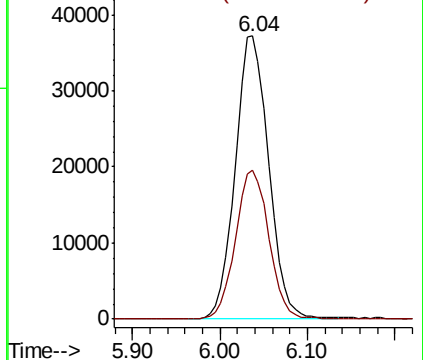
65 100

67 52.5 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.00 min

Lab File: VX015946.D

Acq: 24 Apr 2020 21:15

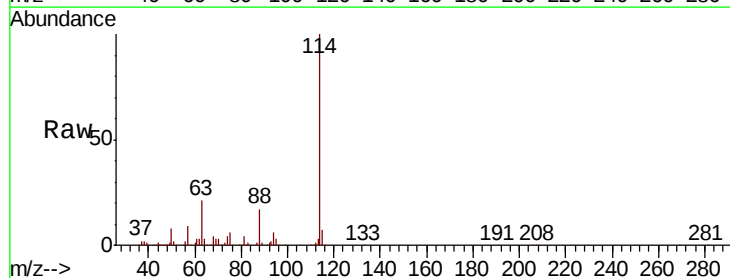
Tgt Ion: 114 Resp: 257998

Ion Ratio Lower Upper

114 100

63 20.7 0.0 44.4

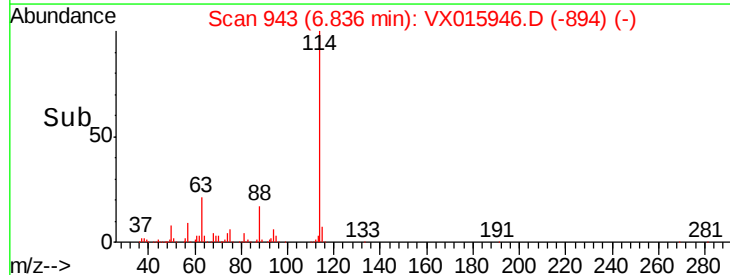
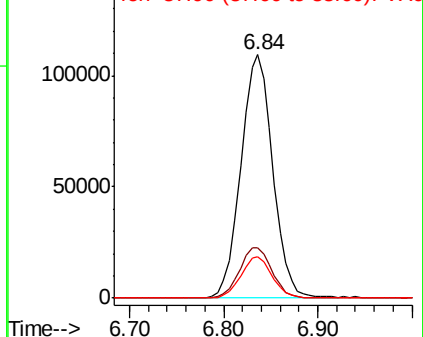
88 17.0 0.0 34.2

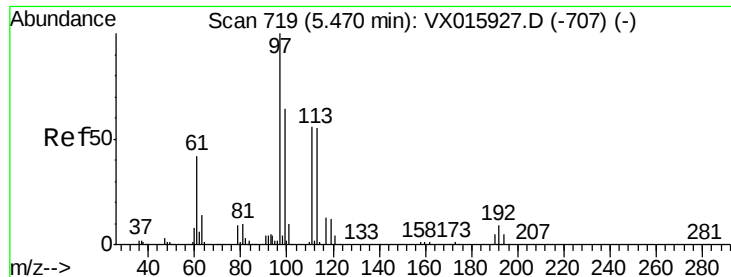


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

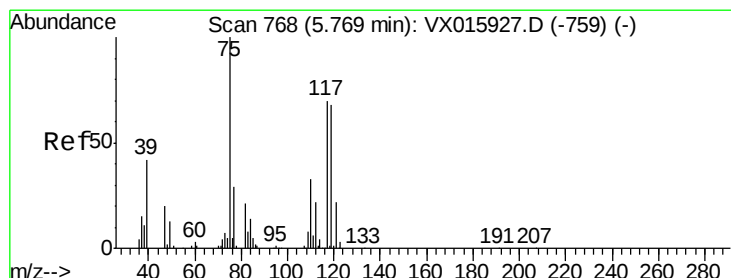
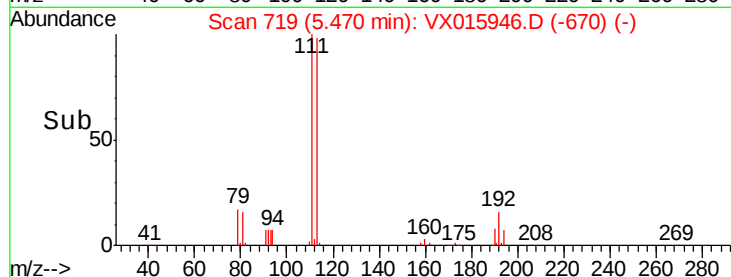
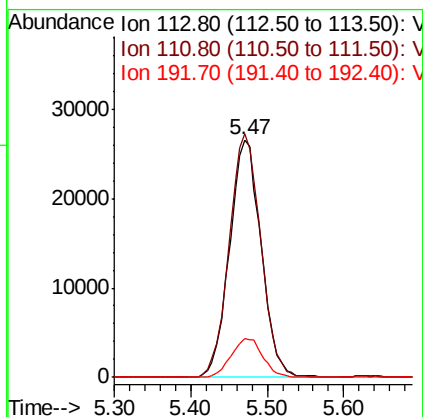
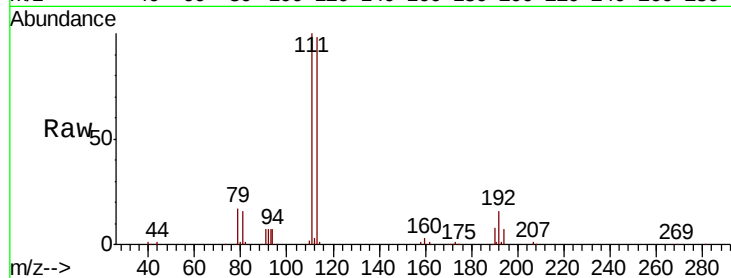




#35
 Dibromofluoromethane
 Concen: 53.947 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. 0.00 min
 Lab File: VX015946.D
 Acq: 24 Apr 2020 21:15

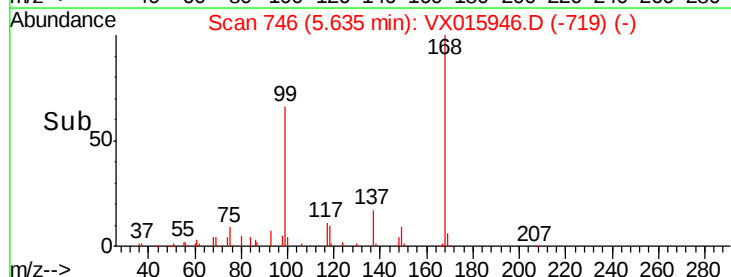
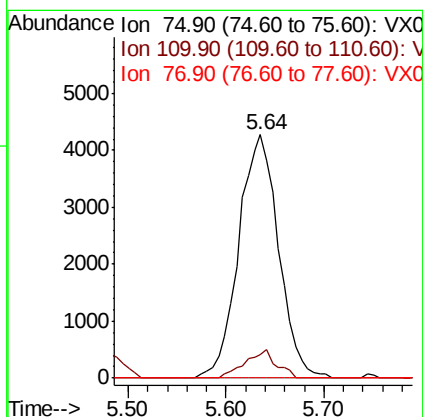
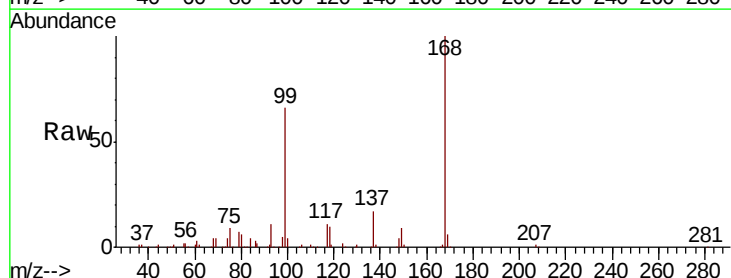
Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-DUP-0547-200422

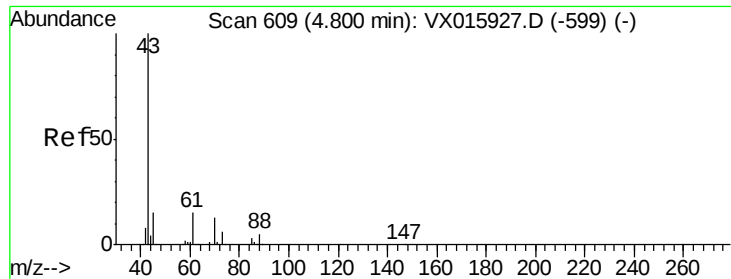
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.2	121.8
192	16.4	13.6	20.4



#36
 1,1-Dichloropropene
 Concen: 4.912 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. -0.13 min
 Lab File: VX015946.D
 Acq: 24 Apr 2020 21:15

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.0	17.1	51.3#
77	0.0	25.0	37.4#

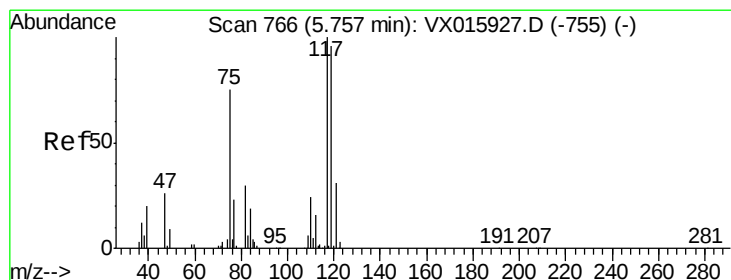
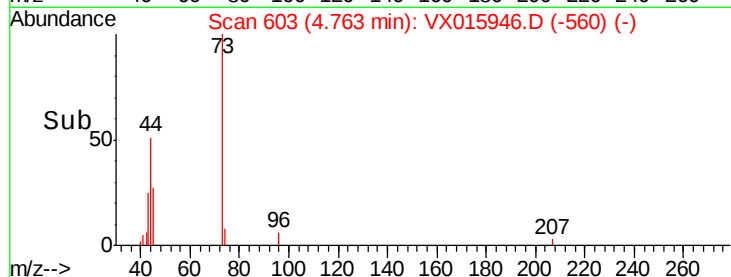
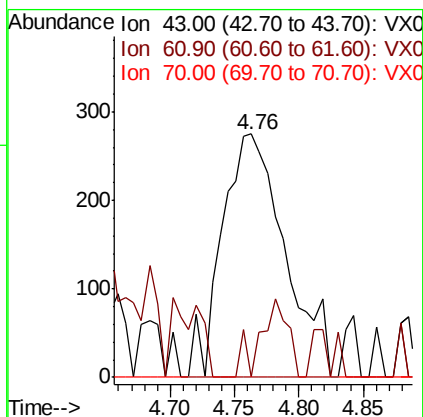
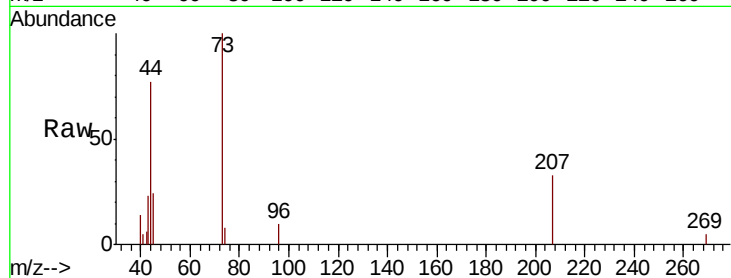




#37
Ethyl Acetate
Concen: 0.379 ug/l
RT: 4.76 min Scan# 603
Delta R.T. -0.04 min
Lab File: VX015946.D
Acq: 24 Apr 2020 21:15

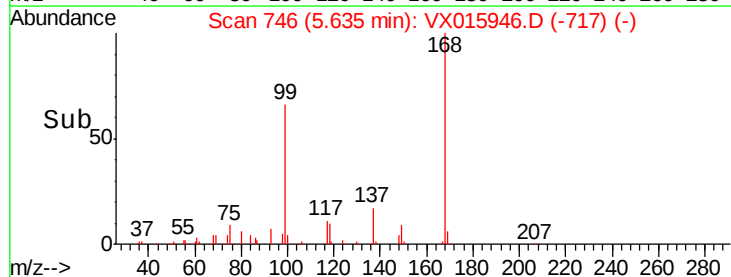
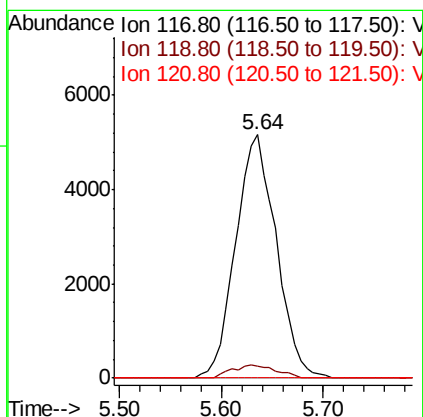
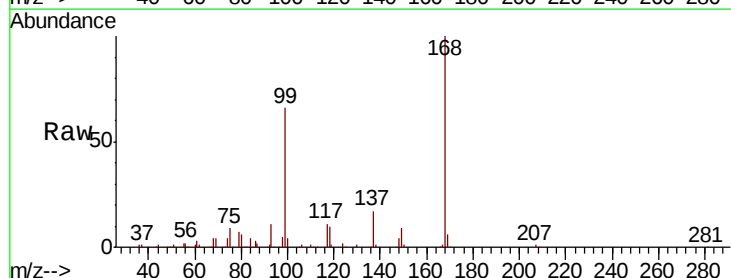
Instrument :
MSVOA_X
ClientSampleId :
Z3-DUP-0547-200422

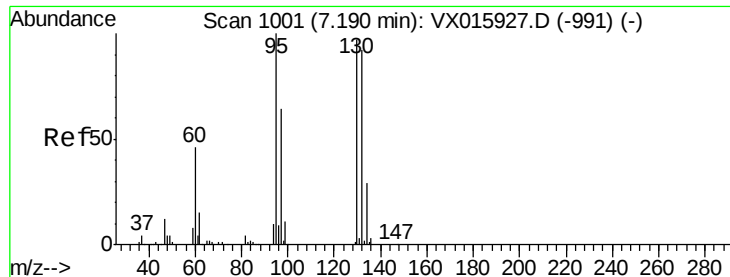
Tot Ion: 43 Resp: 935
Ion Ratio Lower Upper
43 100
61 0.0 11.6 17.4#
70 0.0 9.8 14.6#



#38
Carbon Tetrachloride
Concen: 6.320 ug/l
RT: 5.64 min Scan# 746
Delta R.T. -0.12 min
Lab File: VX015946.D
Acq: 24 Apr 2020 21:15

Tgt Ion: 117 Resp: 14220
Ion Ratio Lower Upper
117 100
119 5.1 77.0 115.6#
121 0.0 25.0 37.4#





#44

Trichloroethene

Concen: 10.538 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VX015946.D

Acq: 24 Apr 2020 21:15

Instrument :

MSVOA_X

ClientSampleId :

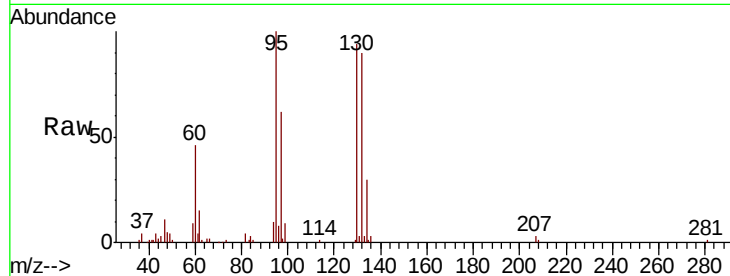
Z3-DUP-0547-200422

Tot Ion:130 Resp: 23376

Ion Ratio Lower Upper

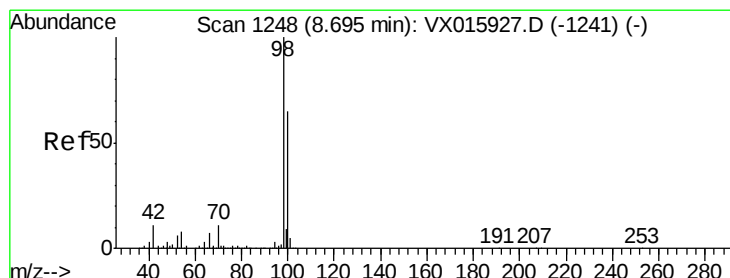
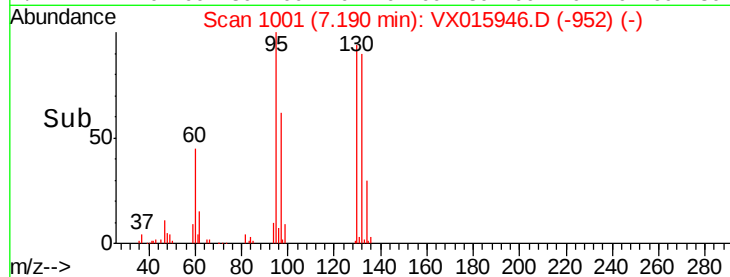
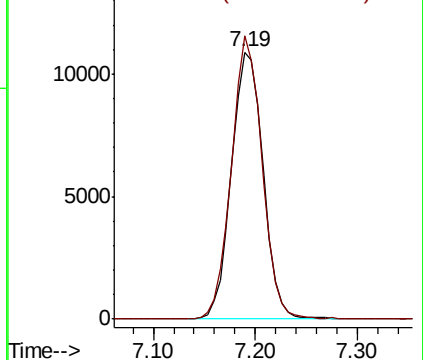
130 100

95 106.1 0.0 205.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 53.651 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX015946.D

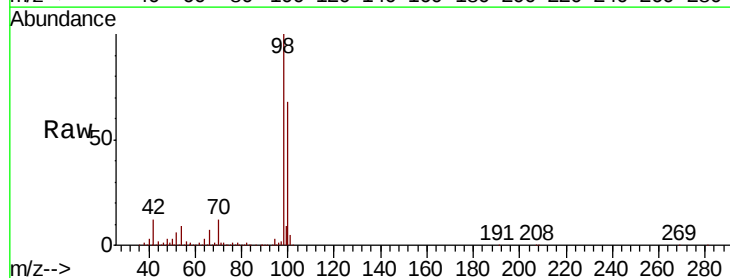
Acq: 24 Apr 2020 21:15

Tgt Ion: 98 Resp: 319608

Ion Ratio Lower Upper

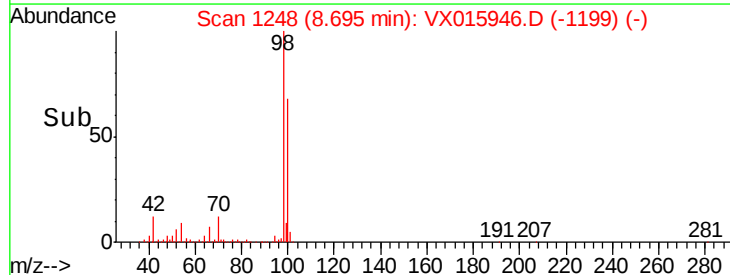
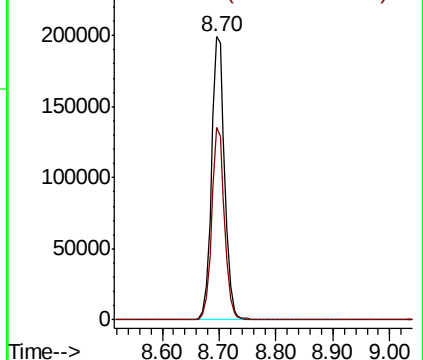
98 100

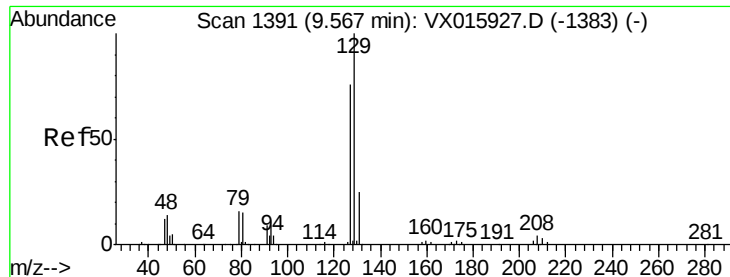
100 66.0 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

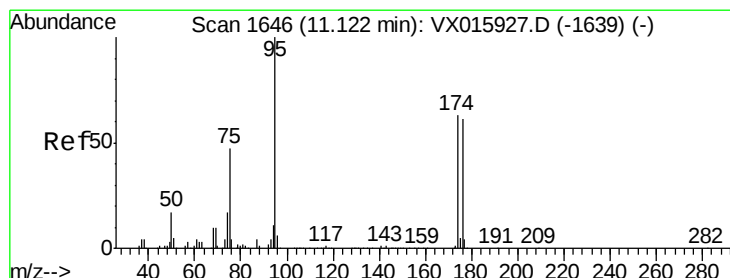
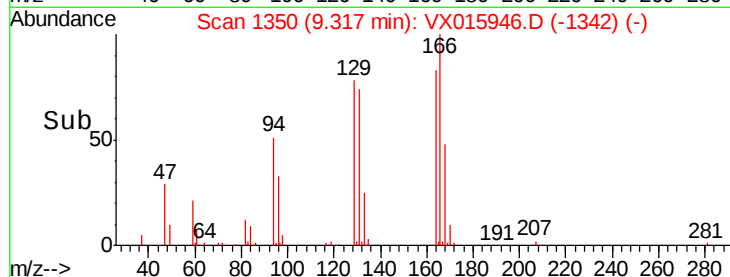
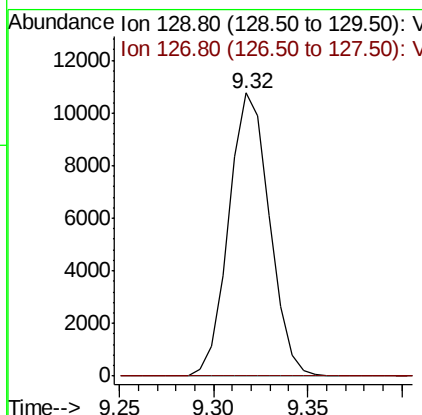
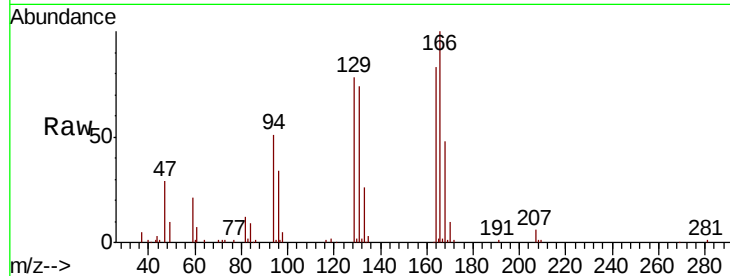




#60
 Dibromochloromethane
 Concen: 8.885 ug/l
 RT: 9.32 min Scan# 1350
 Delta R.T. -0.25 min
 Lab File: VX015946.D
 Acq: 24 Apr 2020 21:15

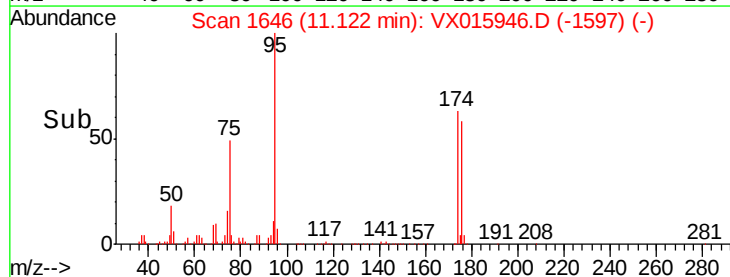
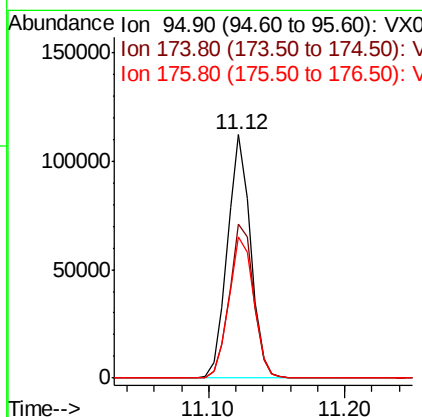
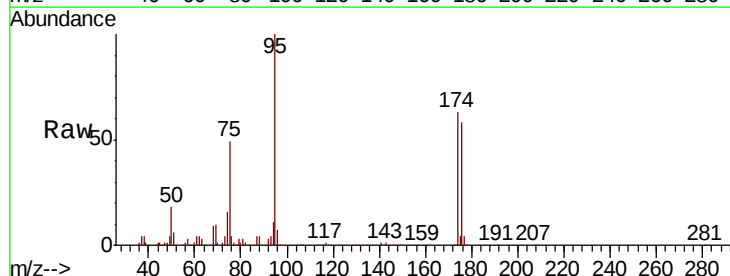
Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-DUP-0547-200422

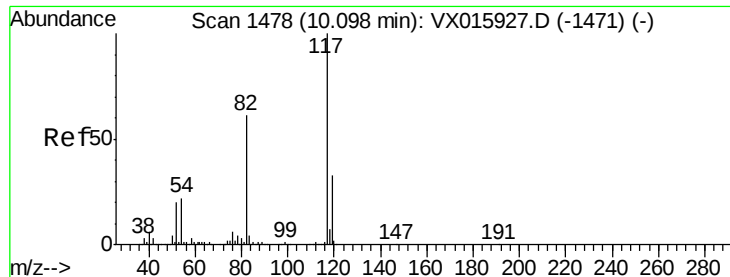
Tot Ion:129 Resp: 16109
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.8 116.3#



#62
 4-Bromofluorobenzene
 Concen: 55.031 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.00 min
 Lab File: VX015946.D
 Acq: 24 Apr 2020 21:15

Tgt Ion: 95 Resp: 132969
 Ion Ratio Lower Upper
 95 100
 174 66.4 0.0 133.6
 176 62.5 0.0 126.0

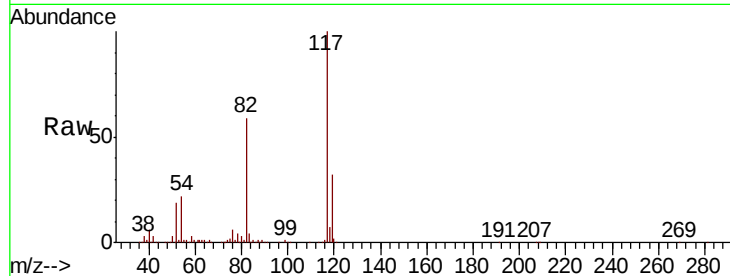




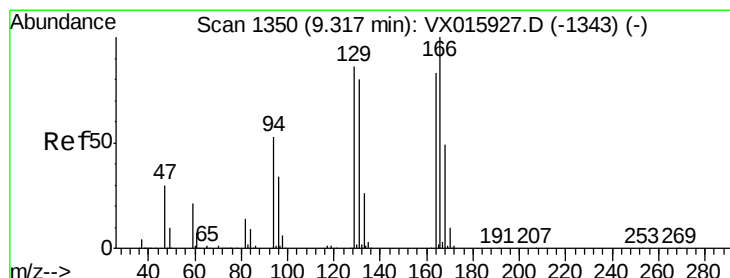
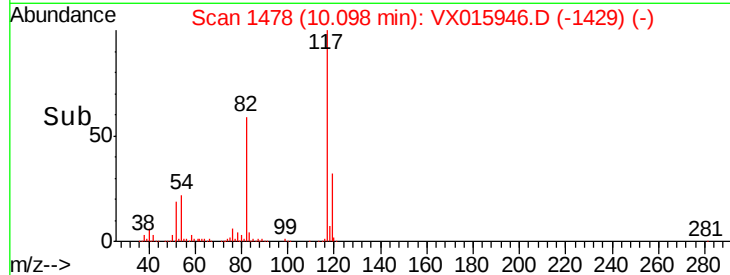
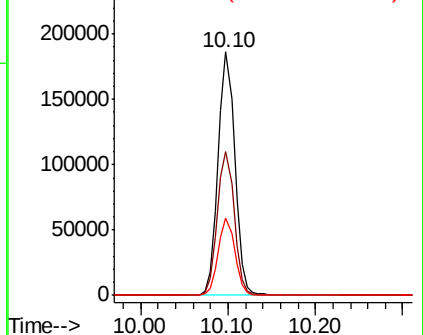
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX015946.D
Acq: 24 Apr 2020 21:15

Instrument :
MSVOA_X
ClientSampleId :
Z3-DUP-0547-200422

Tot Ion:117 Resp: 247004
Ion Ratio Lower Upper
117 100
82 59.3 48.5 72.7
119 31.8 26.2 39.4

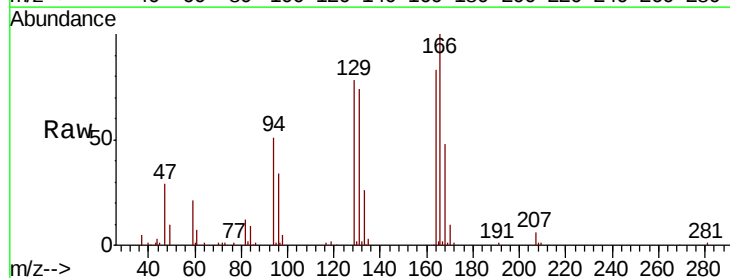


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

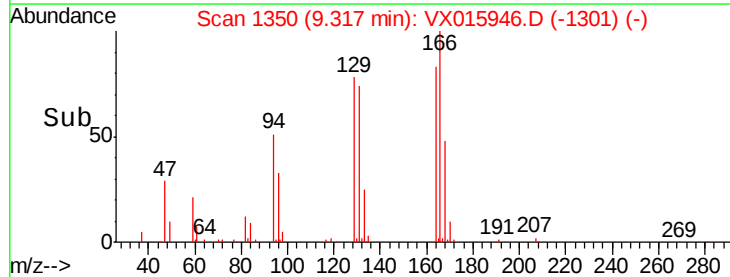
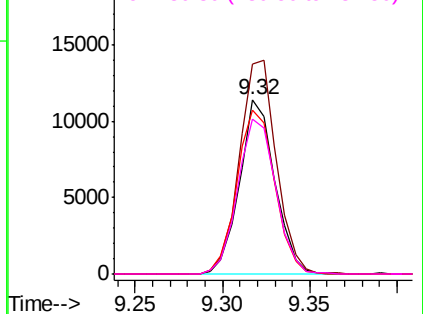


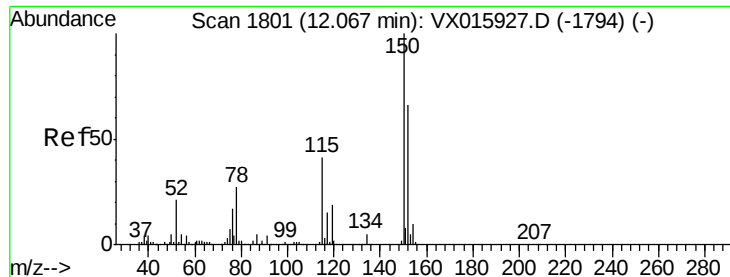
#64
Tetrachloroethene
Concen: 6.512 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VX015946.D
Acq: 24 Apr 2020 21:15

Tgt Ion:164 Resp: 16005
Ion Ratio Lower Upper
164 100
166 120.1 96.7 145.1
129 94.1 82.8 124.2
131 89.0 77.0 115.4



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.01 min

Lab File: VX015946.D

Acq: 24 Apr 2020 21:15

Instrument :

MSVOA_X

ClientSampleId :

Z3-DUP-0547-200422

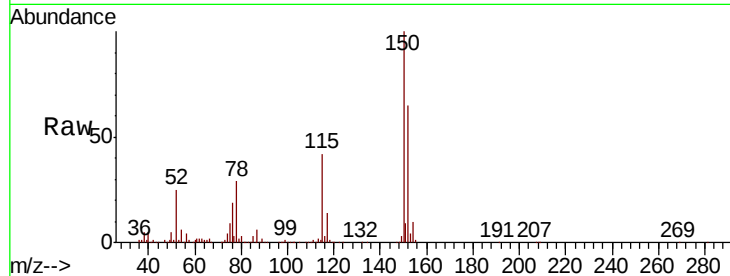
Tot Ion:152 Resp: 120822

Ion Ratio Lower Upper

152 100

115 63.6 44.1 132.4

150 157.3 0.0 343.6

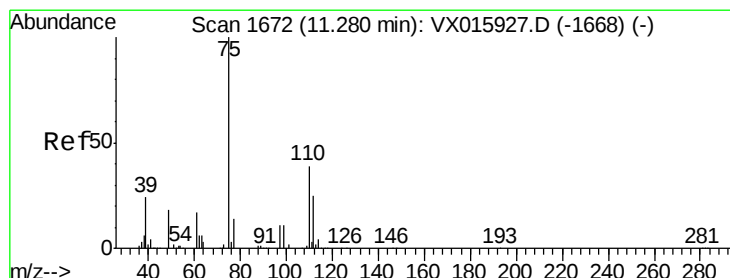
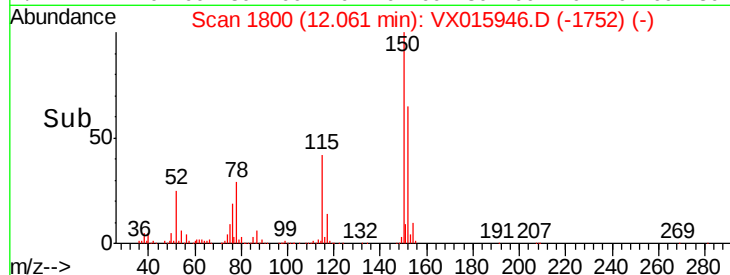
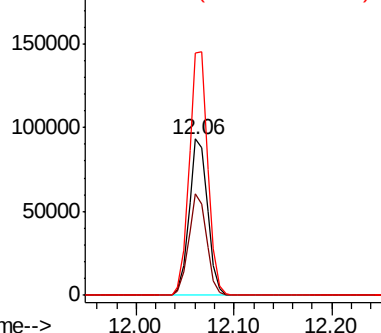


Abundance

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: 25.484 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX015946.D

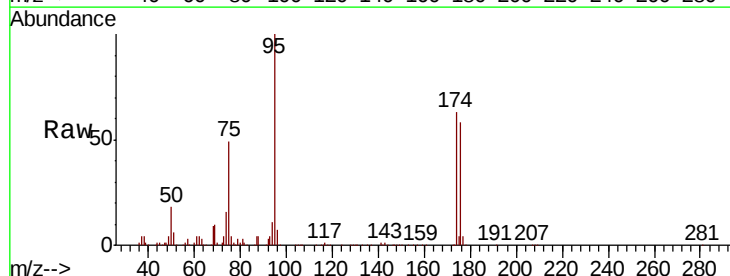
Acq: 24 Apr 2020 21:15

Tgt Ion: 75 Resp: 66047

Ion Ratio Lower Upper

75 100

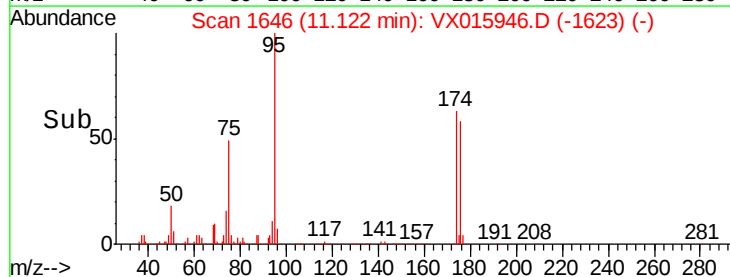
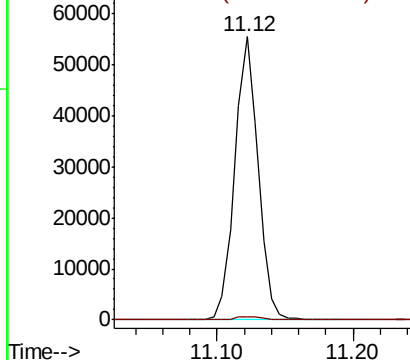
77 1.3 22.1 66.5#

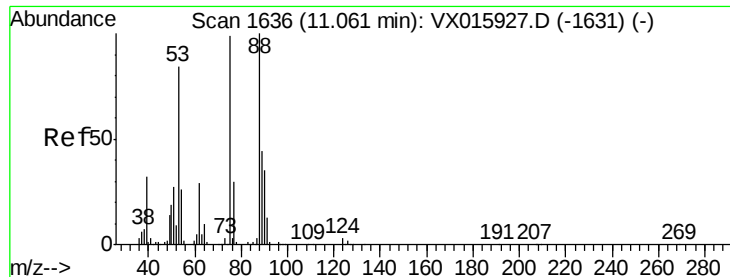


Abundance

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: 57.405 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX015946.D

Acq: 24 Apr 2020 21:15

Instrument :

MSVOA_X

ClientSampleId :

Z3-DUP-0547-200422

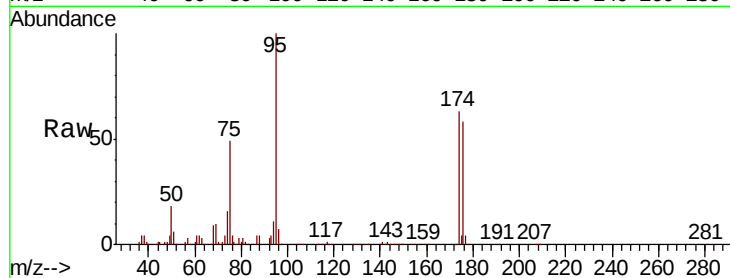
Tot Ion: 75 Resp: 66047

Ion Ratio Lower Upper

75 100

53 0.0 69.7 104.5#

89 0.0 36.3 54.5#



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

