

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120421\
 Data File : VX025526.D
 Acq On : 04 Dec 2021 16:54
 Operator : JC/MD
 Sample : M4923-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 06 01:04:15 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111721W.M
 Quant Title : Sw846 8260
 QLast Update : Wed Nov 17 15:36:16 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

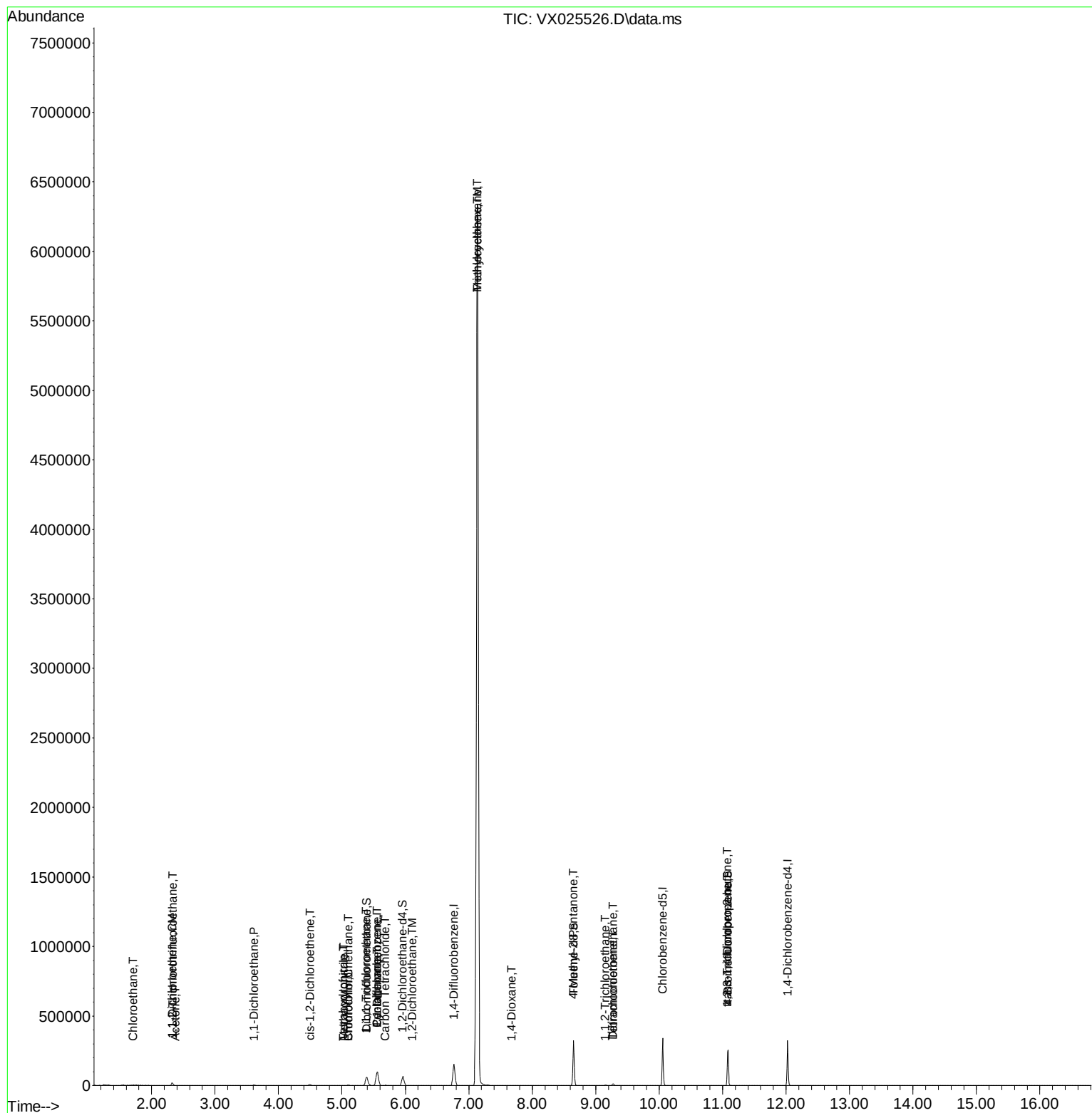
Internal Standards						
1) Pentafluorobenzene	5.556	168	99116	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	167564	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	151957	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	69551	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	59525	56.98	ug/l	0.00
Spiked Amount 50.000	Range 78	- 117	Recovery	=	113.96%	
35) Dibromofluoromethane	5.391	113	51728	50.31	ug/l	0.00
Spiked Amount 50.000	Range 75	- 124	Recovery	=	100.62%	
50) Toluene-d8	8.653	98	192191	49.72	ug/l	0.00
Spiked Amount 50.000	Range 92	- 112	Recovery	=	99.44%	
62) 4-Bromofluorobenzene	11.085	95	68613	46.92	ug/l	0.00
Spiked Amount 50.000	Range 83	- 123	Recovery	=	93.84%	
Target Compounds						
					Qvalue	
6) Chloroethane	1.709	64	425	0.53	ug/l #	43
9) 1,1,2-Trichlorotrifluo...	2.331	101	3830	4.15	ug/l	98
12) 1,1-Dichloroethene	2.325	96	4144	4.51	ug/l	88
16) Acetone	2.380	43	1040	1.79	ug/l	95
24) 1,1-Dichloroethane	3.611	63	4413	2.55	ug/l #	97
27) cis-1,2-Dichloroethene	4.495	96	4349	3.70	ug/l	84
28) Bromochloromethane	5.105	49	208	0.26	ug/l #	11
29) Tetrahydrofuran	5.025	42	506	0.97	ug/l #	70
30) Chloroform	5.099	83	3261	1.81	ug/l	99
31) Cyclohexane	5.556	56	1813	1.12	ug/l #	1
32) 1,1,1-Trichloroethane	5.385	97	495	0.30	ug/l #	45
36) 1,1-Dichloropropene	5.556	75	6894	4.72	ug/l #	50
38) Carbon Tetrachloride	5.684	117	1422	0.88	ug/l	94
39) Methylcyclohexane	7.135	83	29689	15.83	ug/l #	1
41) Methacrylonitrile	5.032	41	202	0.22	ug/l #	29
42) 1,2-Dichloroethane	6.104	62	460	0.32	ug/l #	77
44) Trichloroethene	7.135	130	2352520	1828.60	ug/l	97
49) 1,4-Dioxane	7.677	88	216	7.87	ug/l #	57
51) 4-Methyl-2-Pentanone	8.647	43	836	0.48	ug/l #	1
55) 1,1,2-Trichloroethane	9.153	97	1012	0.88	ug/l	90
60) Dibromochloromethane	9.275	129	2461	1.86	ug/l #	11
64) Tetrachloroethene	9.275	164	2544	2.03	ug/l	92
76) 1,2,3-Trichloropropane	11.079	75	33633	23.61	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	33633	59.49	ug/l #	9

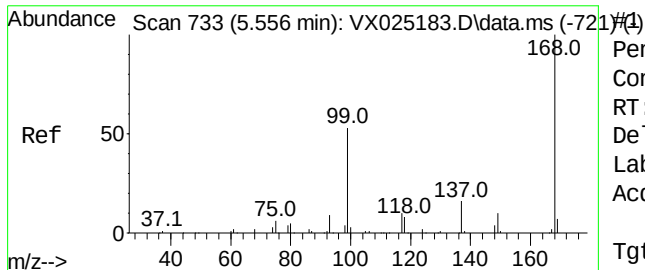
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 06 01:04:15 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111721W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 17 15:36:16 2021
Response via : Initial Calibration





Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.556 min Scan#

Delta R.T. -0.000 min

Lab File: VX025526.D

Acq: 04 Dec 2021 16:54

Instrument :

MSVOA_X

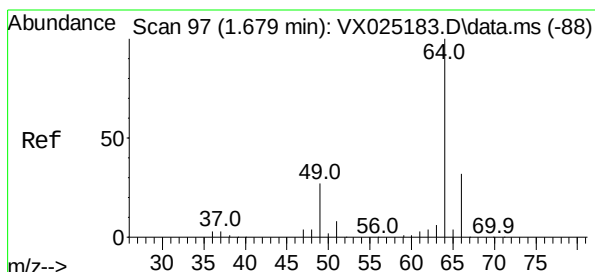
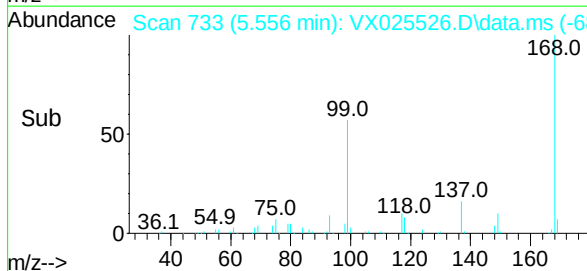
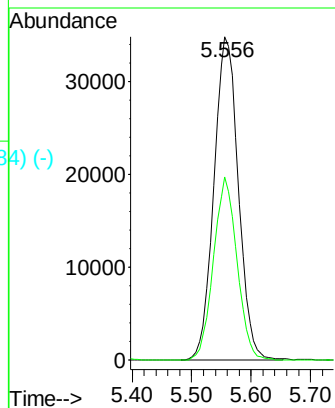
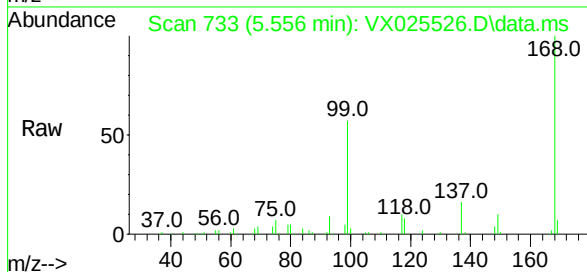
ClientSampleId :

Tgt Ion:168 Resp: 99116

Ion Ratio Lower Upper

168 100

99 56.6 46.4 69.6



Chloroethane

Concen: 0.53 ug/l

RT: 1.709 min Scan# 102

Delta R.T. 0.030 min

Lab File: VX025526.D

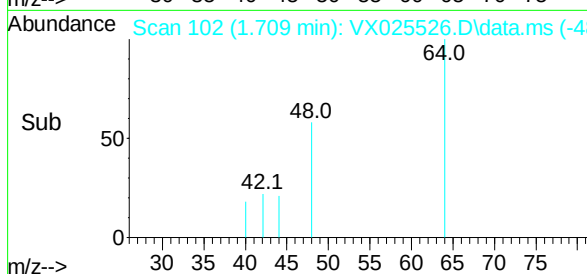
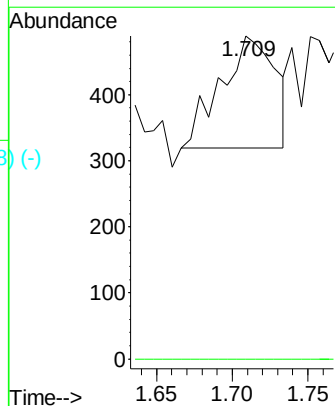
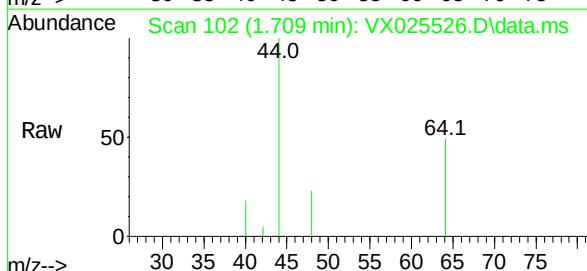
Acq: 04 Dec 2021 16:54

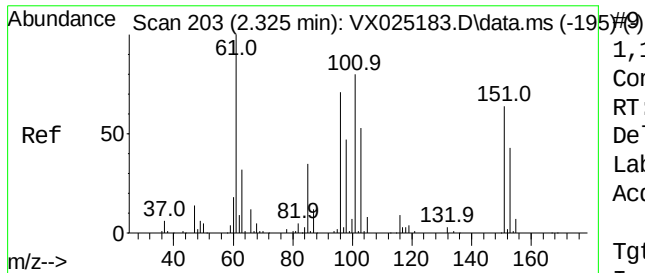
Tgt Ion: 64 Resp: 425

Ion Ratio Lower Upper

64 100

66 0.0 25.6 38.4#





1,1,2-Trichlorotrifluoroethane

Concen: 4.15 ug/l

RT: 2.331 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX025526.D

Acq: 04 Dec 2021 16:54

Instrument :

MSVOA_X

ClientSampleId :

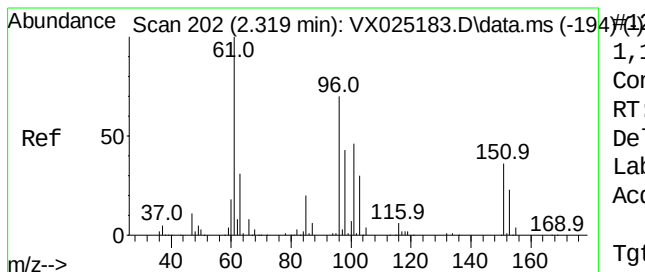
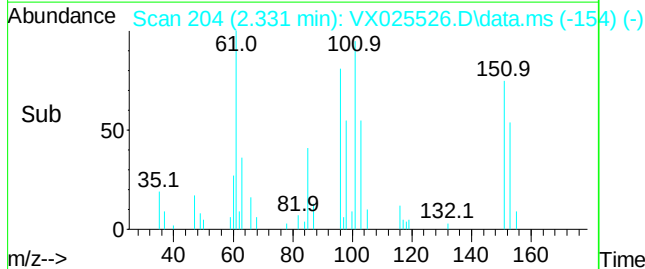
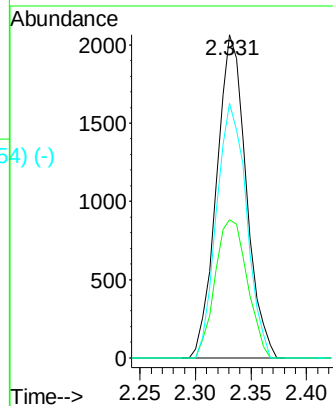
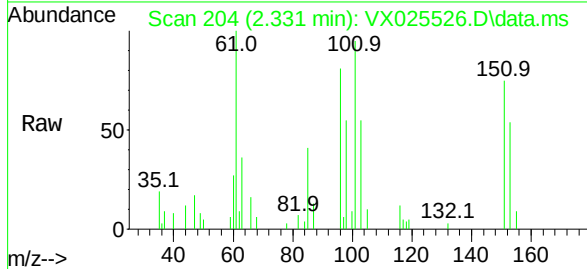
Tgt Ion:101 Resp: 3830

Ion Ratio Lower Upper

101 100

85 46.4 35.9 53.9

151 79.5 64.4 96.6



1,1-Dichloroethene

Concen: 4.51 ug/l

RT: 2.325 min Scan# 203

Delta R.T. 0.006 min

Lab File: VX025526.D

Acq: 04 Dec 2021 16:54

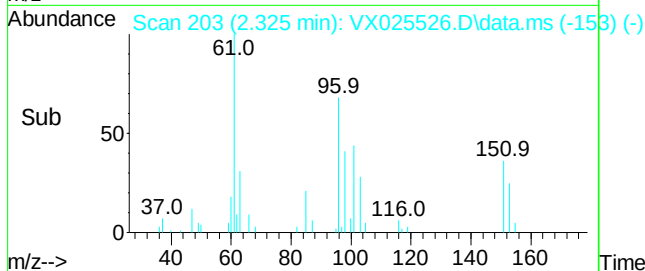
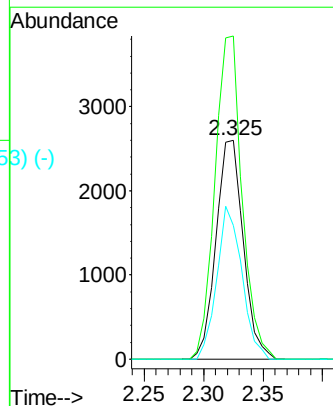
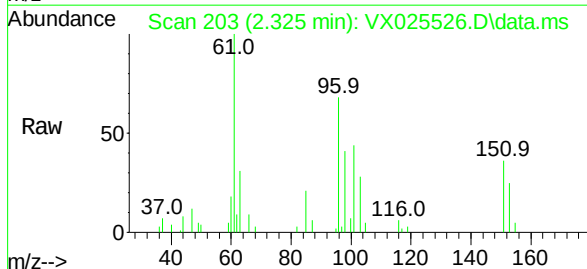
Tgt Ion: 96 Resp: 4144

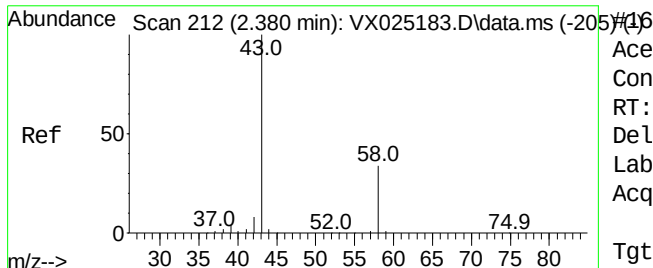
Ion Ratio Lower Upper

96 100

61 147.6 134.1 201.1

98 61.1 51.5 77.3

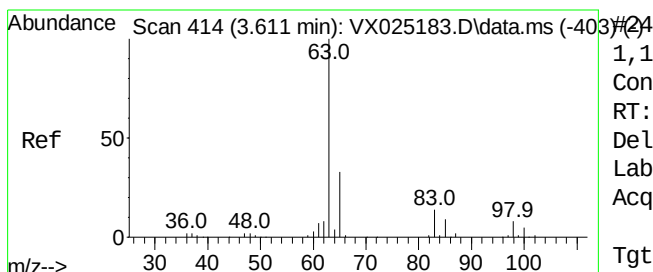
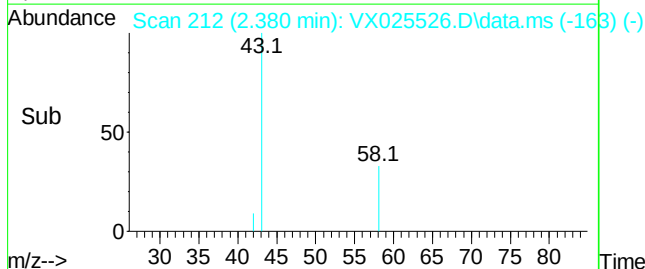
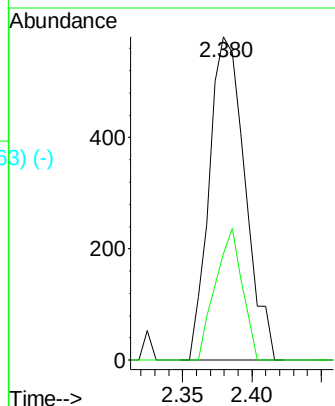
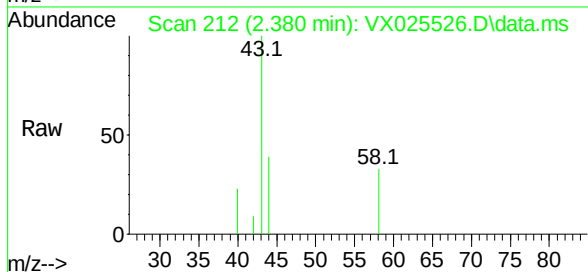




Acetone
 Concen: 1.79 ug/l
 RT: 2.380 min Scan# 16
 Delta R.T. -0.000 min
 Lab File: VX025526.D
 Acq: 04 Dec 2021 16:54

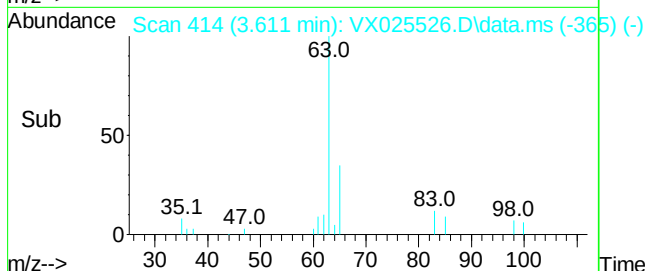
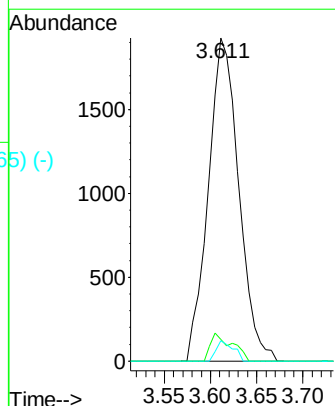
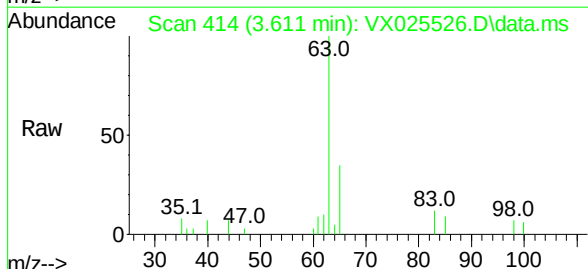
Instrument :
 MSVOA_X
 ClientSampleId :

Tgt Ion: 43 Resp: 1040
 Ion Ratio Lower Upper
 43 100
 58 32.9 24.0 36.0



1,1-Dichloroethane
 Concen: 2.55 ug/l
 RT: 3.611 min Scan# 414
 Delta R.T. 0.000 min
 Lab File: VX025526.D
 Acq: 04 Dec 2021 16:54

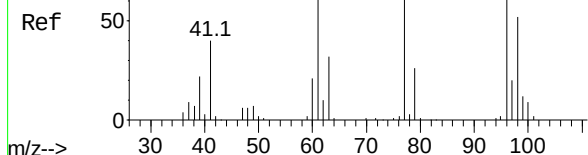
Tgt Ion: 63 Resp: 4413
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.3 9.9
 100 6.4 2.1 6.2#



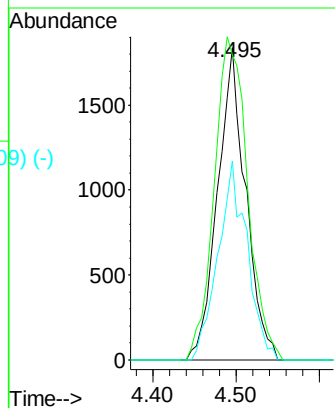
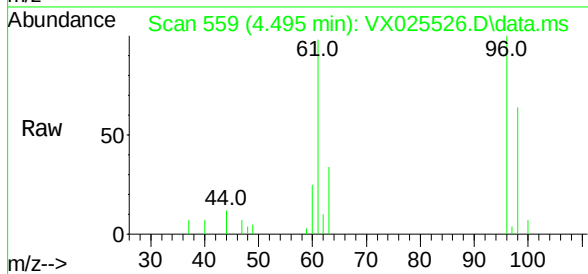
Abundance Scan 558 (4.489 min): VX025183.D\data.ms (-546) #27

cis-1,2-Dichloroethene
Concen: 3.70 ug/l
RT: 4.495 min Scan# 659
Delta R.T. 0.006 min
Lab File: VX025526.D
Acq: 04 Dec 2021 16:54

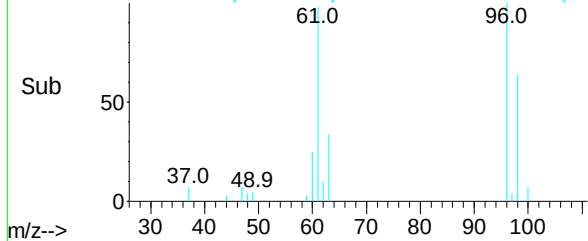
Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:	96	Resp:	4349
Ion	Ratio	Lower	Upper
96	100		
61	122.0	0.0	302.2
98	65.7	0.0	131.4



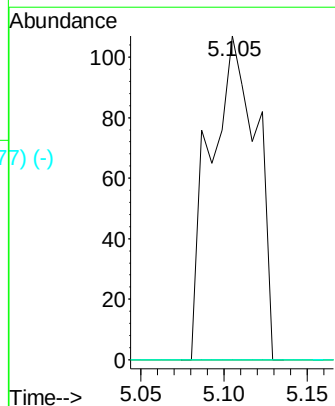
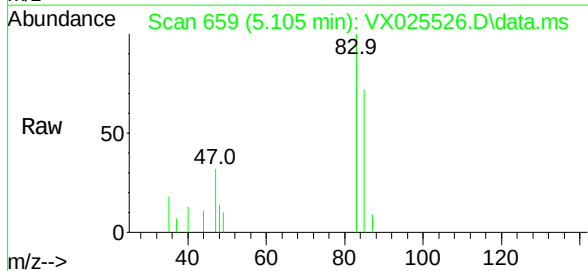
Abundance Scan 559 (4.495 min): VX025526.D\data.ms (-509) (-)



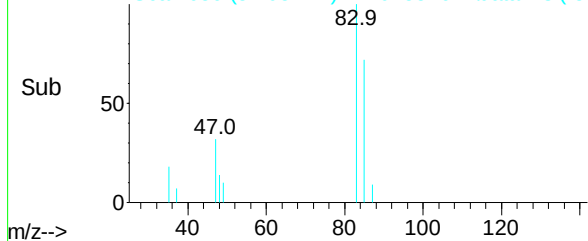
Abundance Scan 626 (4.904 min): VX025183.D\data.ms (-614) #28

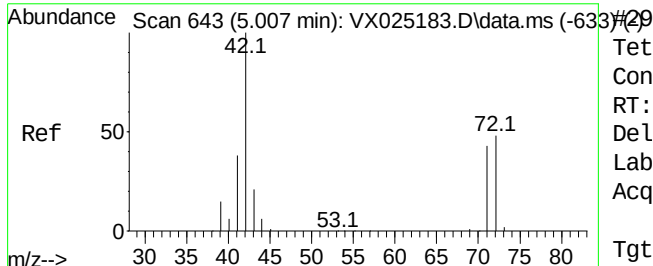
Bromochloromethane
Concen: 0.26 ug/l
RT: 5.105 min Scan# 659
Delta R.T. 0.201 min
Lab File: VX025526.D
Acq: 04 Dec 2021 16:54

Tgt Ion:	49	Resp:	208
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.4
130	0.0	65.2	97.8#



Abundance Scan 659 (5.105 min): VX025526.D\data.ms (-577) (-)





Tetrahydrofuran

Concen: 0.97 ug/l

RT: 5.025 min Scan#

Delta R.T. 0.018 min

Lab File: VX025526.D

Acq: 04 Dec 2021 16:54

Instrument :

MSVOA_X

ClientSampleId :

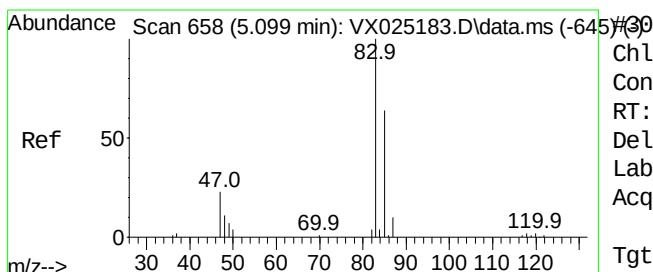
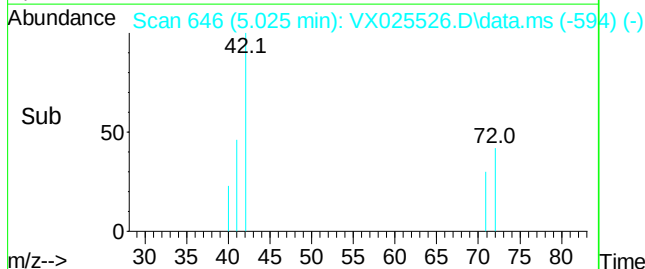
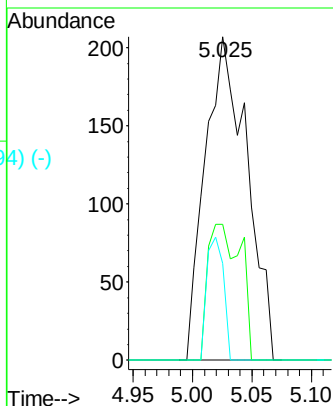
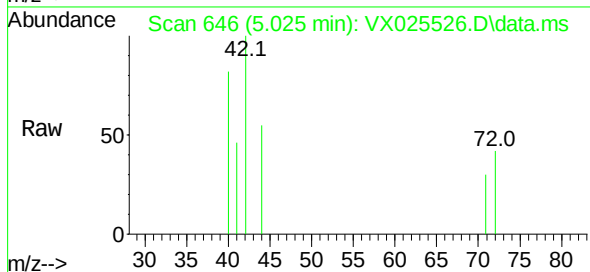
Tgt Ion: 42 Resp: 506

Ion Ratio Lower Upper

42 100

72 33.2 36.1 54.1#

71 15.2 33.7 50.5#



Chloroform

Concen: 1.81 ug/l

RT: 5.099 min Scan# 658

Delta R.T. -0.000 min

Lab File: VX025526.D

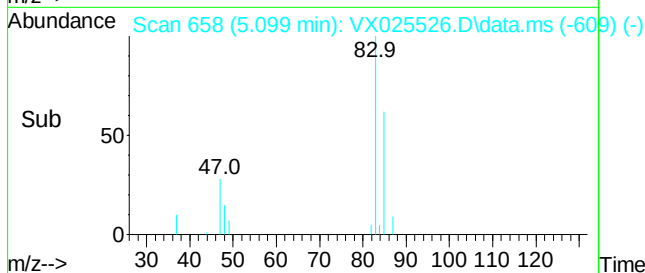
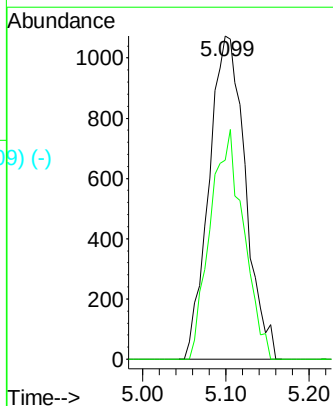
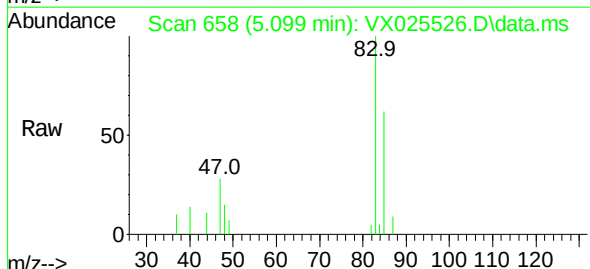
Acq: 04 Dec 2021 16:54

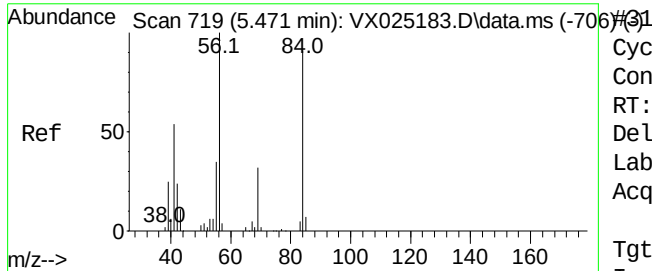
Tgt Ion: 83 Resp: 3261

Ion Ratio Lower Upper

83 100

85 61.6 50.2 75.2





Cyclohexane

Concen: 1.12 ug/l

RT: 5.556 min Scan#

Delta R.T. 0.085 min

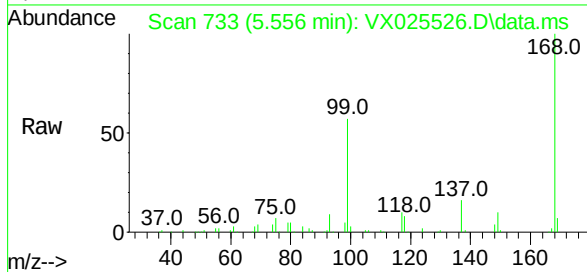
Lab File: VX025526.D

Acq: 04 Dec 2021 16:54

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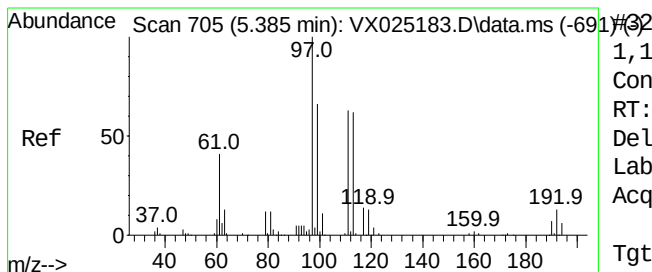
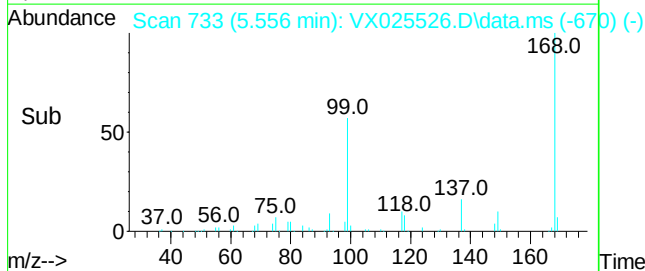
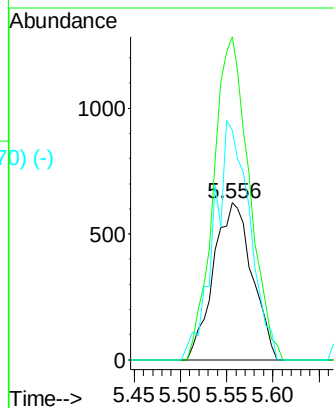
Tgt Ion: 56 Resp: 1813

Ion Ratio Lower Upper

56 100

69 205.4 24.2 36.2#

84 146.1 71.5 107.3#



1,1,1-Trichloroethane

Concen: 0.30 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX025526.D

Acq: 04 Dec 2021 16:54

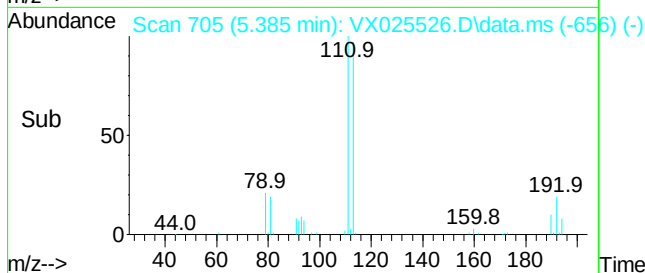
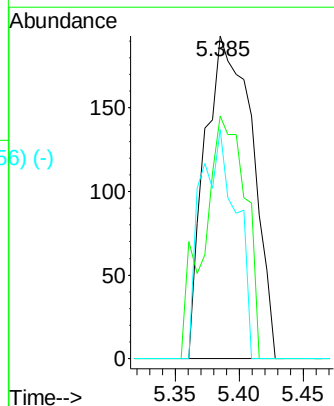
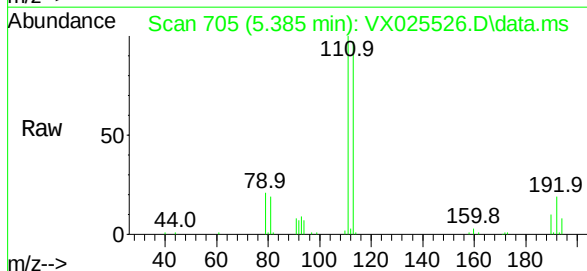
Tgt Ion: 97 Resp: 495

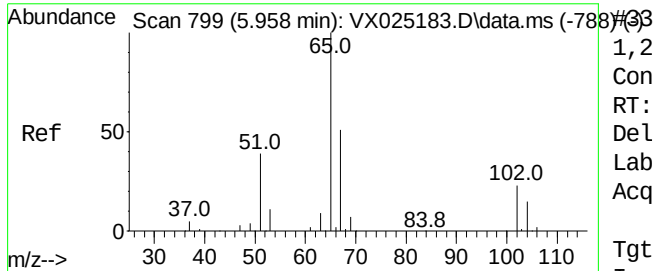
Ion Ratio Lower Upper

97 100

99 0.0 50.9 76.3#

61 53.9 35.0 52.4#

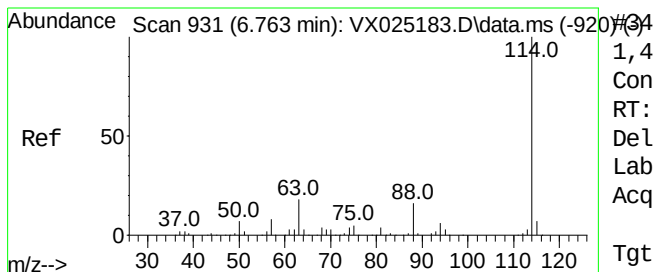
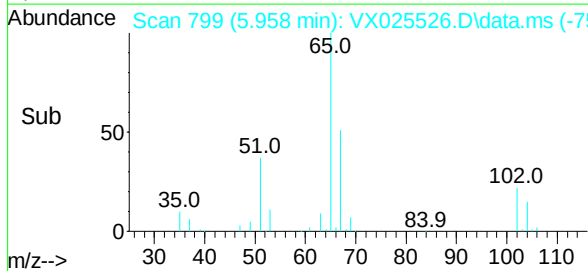
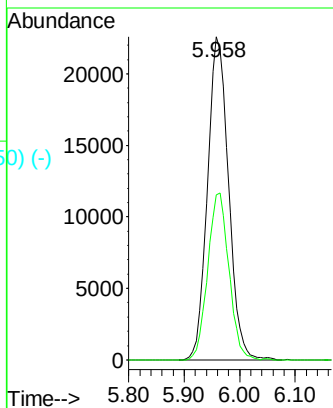
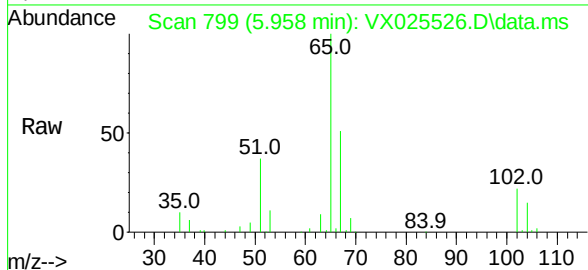




1,2-Dichloroethane-d4
 Concen: 56.98 ug/l
 RT: 5.958 min Scan#
 Delta R.T. 0.000 min
 Lab File: VX025526.D
 Acq: 04 Dec 2021 16:54

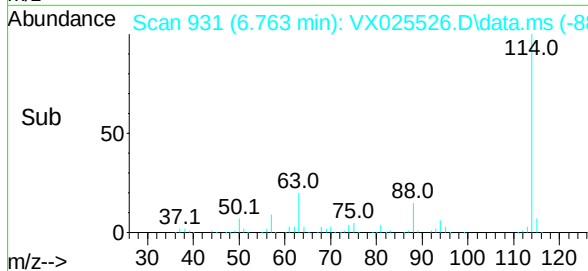
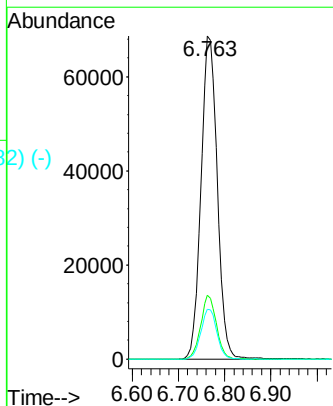
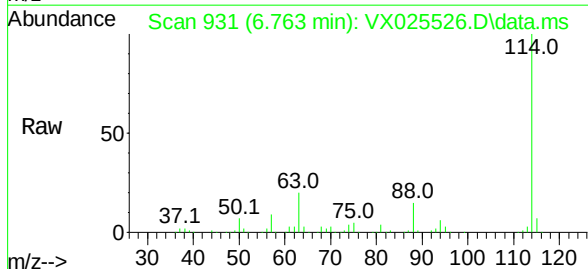
Instrument :
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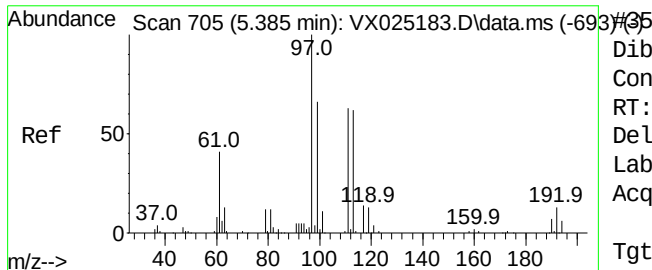
Tgt Ion: 65 Resp: 59525
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 101.0



1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.000 min
 Lab File: VX025526.D
 Acq: 04 Dec 2021 16:54

Tgt Ion: 114 Resp: 167564
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 41.0
 88 15.4 0.0 34.8

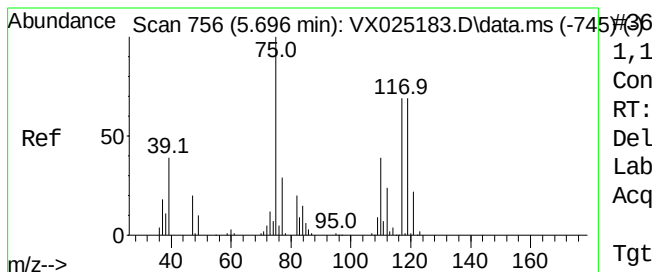
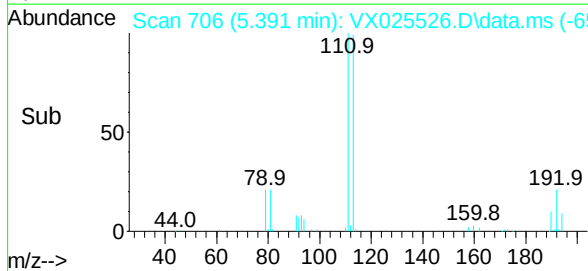
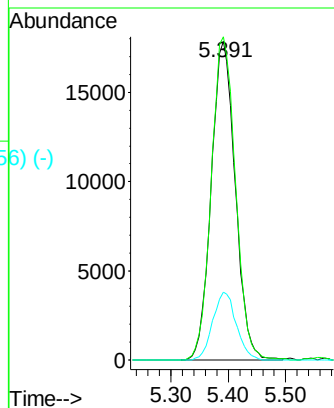
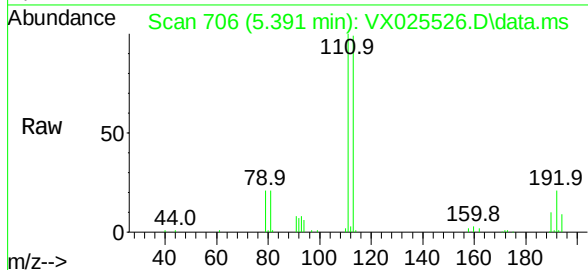




Dibromofluoromethane
Concen: 50.31 ug/l
RT: 5.391 min Scan# 735
Delta R.T. 0.006 min
Lab File: VX025526.D
Acq: 04 Dec 2021 16:54

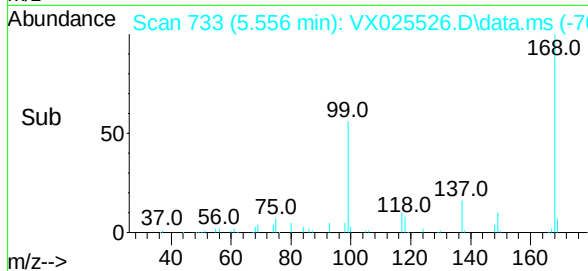
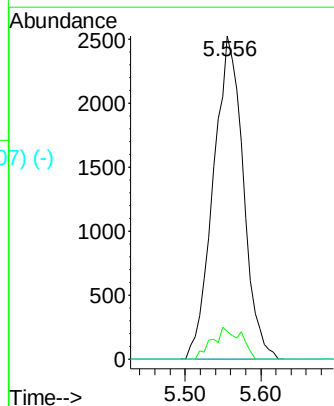
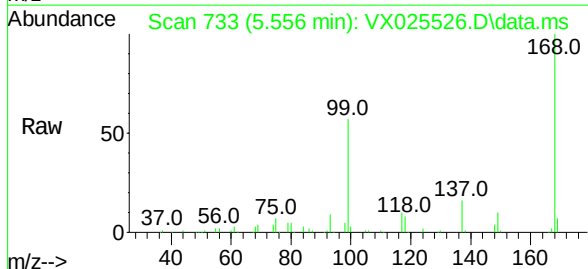
Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:113 Resp: 51728
Ion Ratio Lower Upper
113 100
111 102.3 82.1 123.1
192 20.8 15.6 23.4



1,1-Dichloropropene
Concen: 4.72 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX025526.D
Acq: 04 Dec 2021 16:54

Tgt Ion: 75 Resp: 6894
Ion Ratio Lower Upper
75 100
110 9.4 18.1 54.3#
77 0.0 24.4 36.6#



Abundance Scan 753 (5.678 min): VX025183.D\data.ms (-742) #38

Carbon Tetrachloride

Concen: 0.88 ug/l

RT: 5.684 min Scan#

Delta R.T. 0.006 min

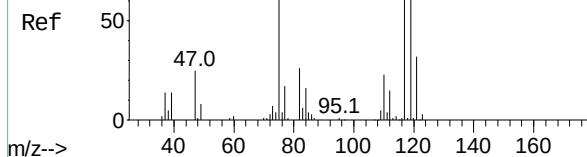
Lab File: VX025526.D

Acq: 04 Dec 2021 16:54

Instrument :

MSVOA_X

ClientSampleId :



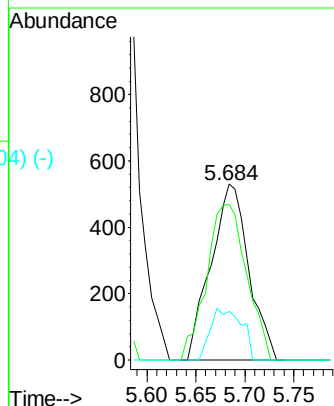
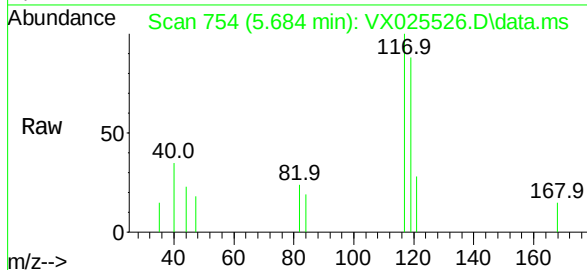
Tgt Ion:117 Resp: 1422

Ion Ratio Lower Upper

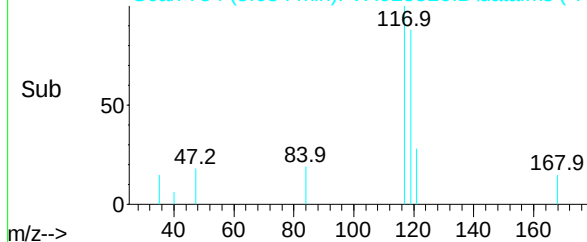
117 100

119 88.5 75.6 113.4

121 27.5 23.7 35.5



Abundance Scan 754 (5.684 min): VX025526.D\data.ms (-704) (-)



Abundance Scan 1033 (7.385 min): VX025183.D\data.ms (-1029) #39

Methylcyclohexane

Concen: 15.83 ug/l

RT: 7.135 min Scan# 992

Delta R.T. -0.250 min

Lab File: VX025526.D

Acq: 04 Dec 2021 16:54

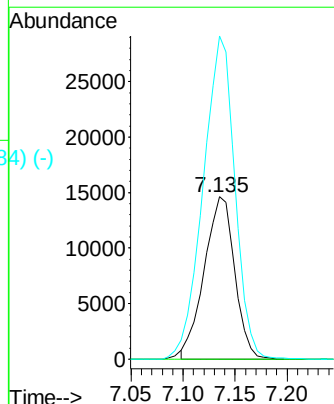
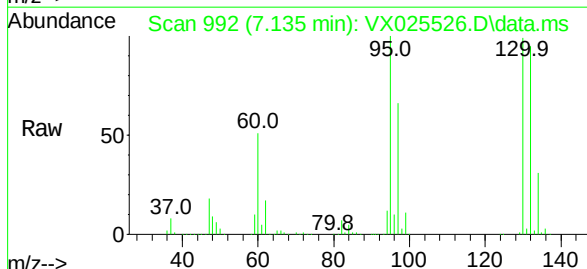
Tgt Ion: 83 Resp: 29689

Ion Ratio Lower Upper

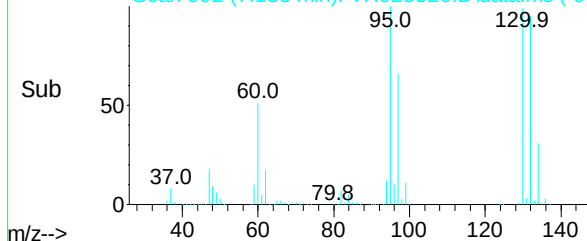
83 100

55 0.0 60.8 91.2#

98 198.0 37.0 55.4#



Abundance Scan 992 (7.135 min): VX025526.D\data.ms (-984) (-)



Abundance Scan 630 (4.928 min): VX025183.D\data.ms (-616) #41

Methacrylonitrile

Concen: 0.22 ug/l

RT: 5.032 min Scan#

Delta R.T. 0.104 min

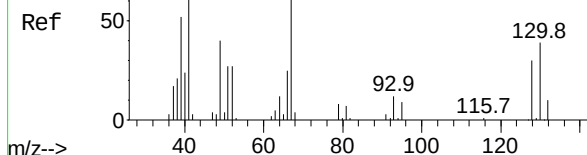
Lab File: VX025526.D

Acq: 04 Dec 2021 16:54

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 41 Resp: 202

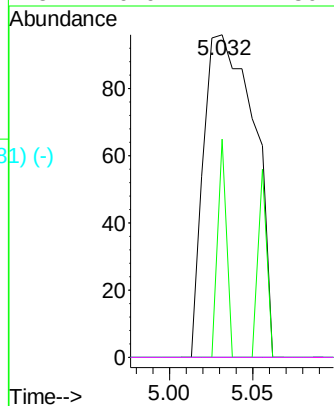
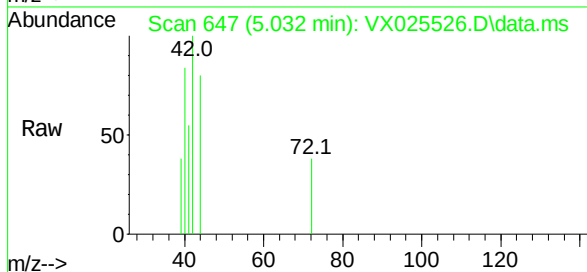
Ion Ratio Lower Upper

41 100

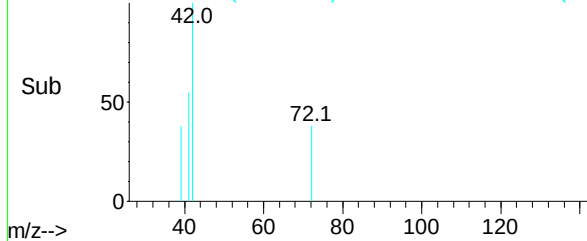
39 11.9 44.6 67.0#

67 0.0 56.7 85.1#

52 0.0 24.4 36.6#



Abundance Scan 647 (5.032 min): VX025526.D\data.ms (-581) (-)



Abundance Scan 820 (6.086 min): VX025183.D\data.ms (-804) #42

1,2-Dichloroethane

Concen: 0.32 ug/l

RT: 6.104 min Scan# 823

Delta R.T. 0.018 min

Lab File: VX025526.D

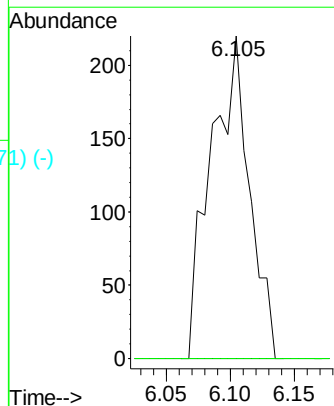
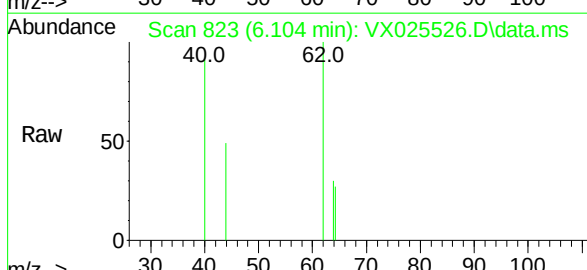
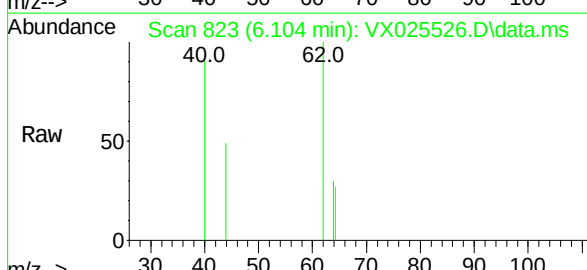
Acq: 04 Dec 2021 16:54

Tgt Ion: 62 Resp: 460

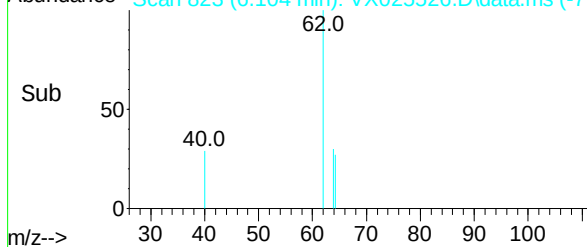
Ion Ratio Lower Upper

62 100

98 0.0 0.0 16.0



Abundance Scan 823 (6.104 min): VX025526.D\data.ms (-771) (-)



Abundance Scan 991 (7.129 min): VX025183.D\data.ms (-981) #44

Trichloroethene

Concen: 1828.60 ug/l

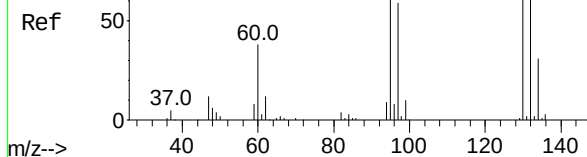
RT: 7.135 min Scan# 991

Delta R.T. 0.006 min MSVOA_X

Lab File: VX025526.D

Acq: 04 Dec 2021 16:54

Instrument :
ClientSampleId :

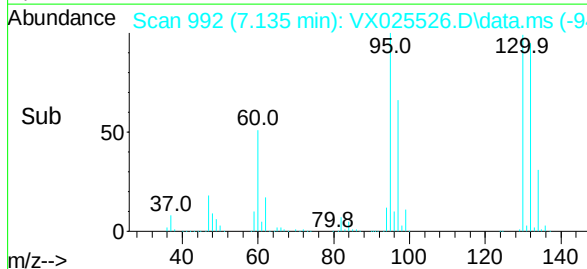
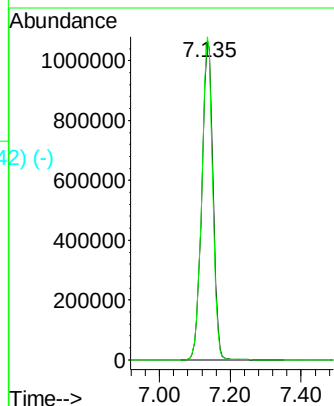
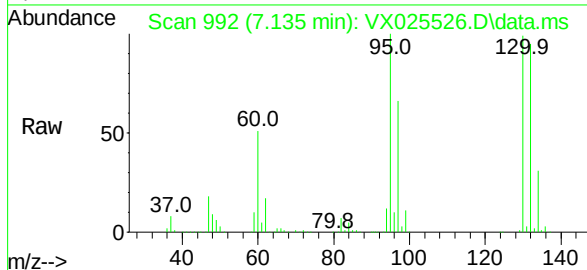


Tgt Ion:130 Resp: 2352520

Ion Ratio Lower Upper

130 100

95 101.2 0.0 196.8



Abundance Scan 1078 (7.659 min): VX025183.D\data.ms (-1078) #49

1,4-Dioxane

Concen: 7.87 ug/l

RT: 7.677 min Scan# 1081

Delta R.T. 0.018 min

Lab File: VX025526.D

Acq: 04 Dec 2021 16:54

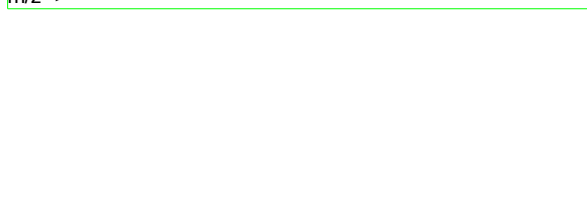
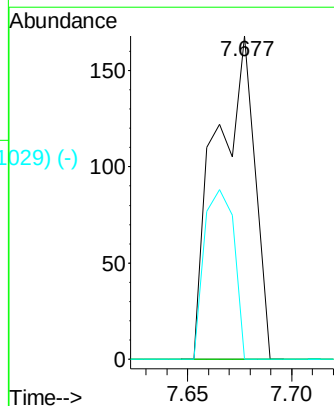
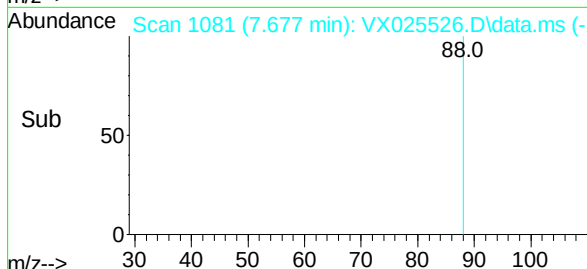
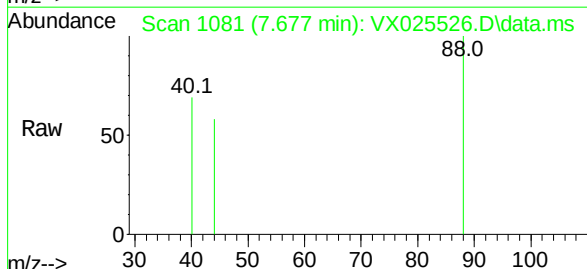
Tgt Ion: 88 Resp: 216

Ion Ratio Lower Upper

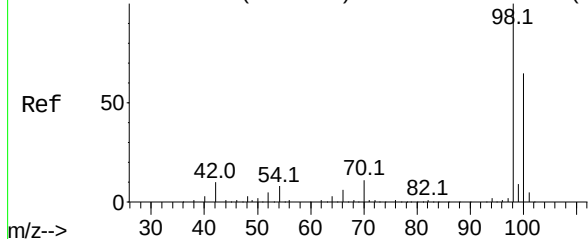
88 100

43 0.0 27.0 40.6#

58 40.7 55.2 82.8#



Abundance Scan 1241 (8.653 min): VX025183.D\data.ms (-12350-)



Toluene-d8

Concen: 49.72 ug/l

RT: 8.653 min Scan#

Delta R.T. -0.000 min

Lab File: VX025526.D

Acq: 04 Dec 2021 16:54

Instrument :

MSVOA_X

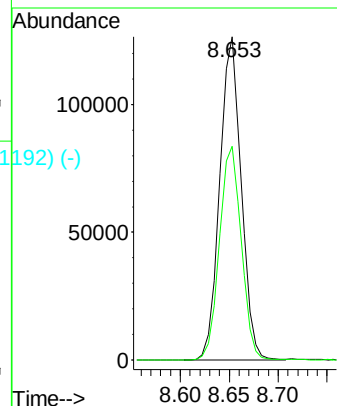
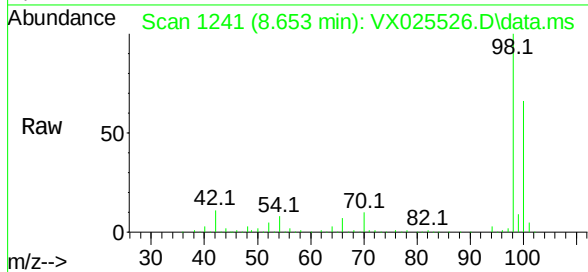
ClientSampleId :

Tgt Ion: 98 Resp: 192191

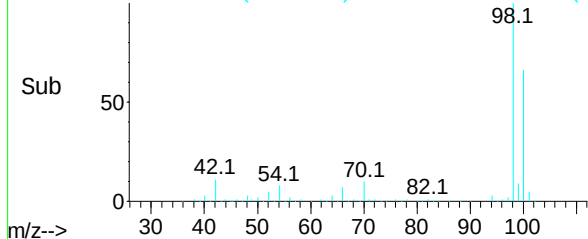
Ion Ratio Lower Upper

98 100

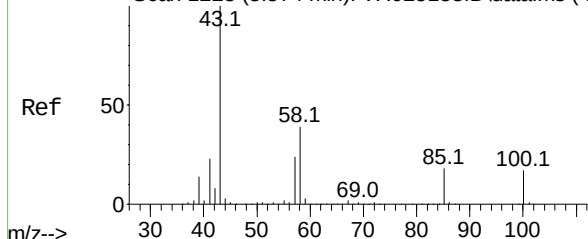
100 67.4 51.4 77.0



Abundance Scan 1241 (8.653 min): VX025526.D\data.ms (-1192-)



Abundance Scan 1228 (8.574 min): VX025183.D\data.ms (-12351-)



4-Methyl-2-Pentanone

Concen: 0.48 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.073 min

Lab File: VX025526.D

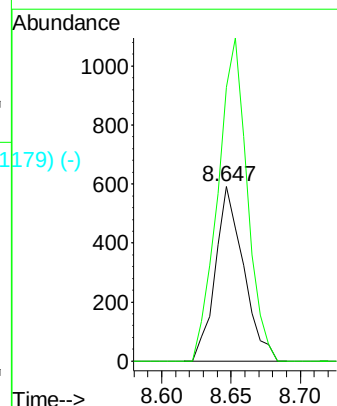
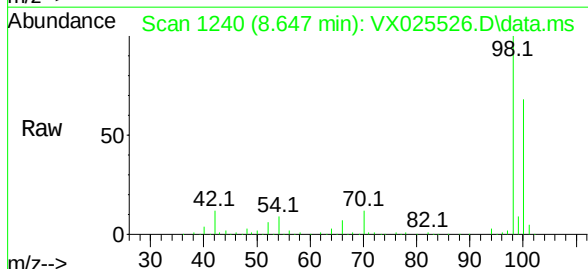
Acq: 04 Dec 2021 16:54

Tgt Ion: 43 Resp: 836

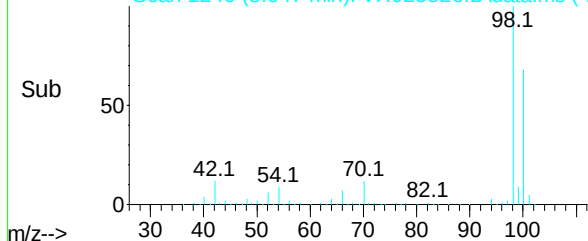
Ion Ratio Lower Upper

43 100

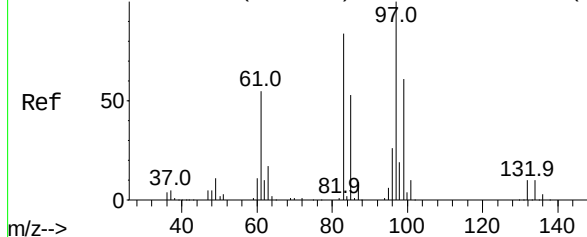
58 191.6 30.9 46.3#



Abundance Scan 1240 (8.647 min): VX025526.D\data.ms (-1179-)



Abundance Scan 1323 (9.153 min): VX025183.D\data.ms (-1323) (-)



1,1,2-Trichloroethane

Concen: 0.88 ug/l

RT: 9.153 min Scan#

Delta R.T. -0.000 min

Lab File: VX025526.D

Acq: 04 Dec 2021 16:54

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 97 Resp: 1012

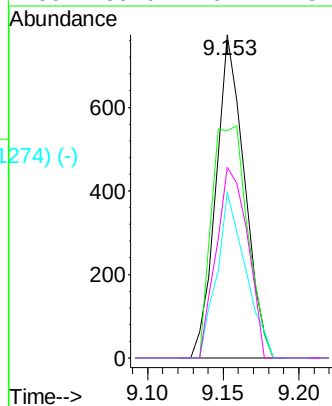
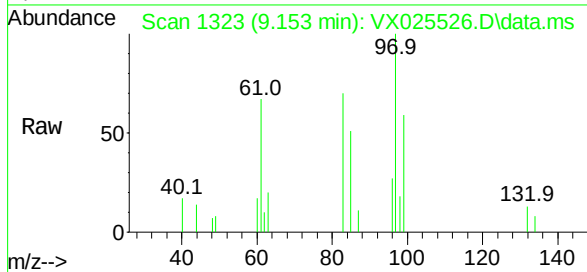
Ion Ratio Lower Upper

97 100

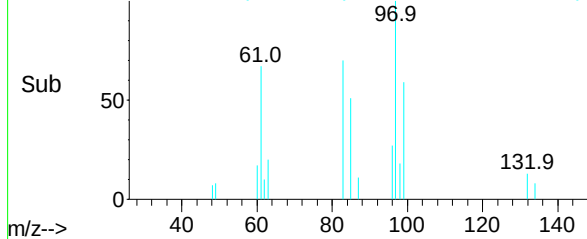
83 70.3 69.2 103.8

85 51.3 43.3 64.9

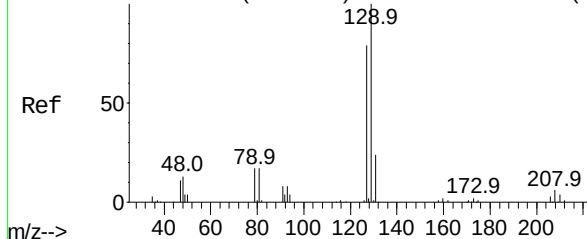
99 59.0 49.1 73.7



Abundance Scan 1323 (9.153 min): VX025526.D\data.ms (-1274) (-)



Abundance Scan 1384 (9.525 min): VX025183.D\data.ms (-1376) (-)



Dibromochloromethane

Concen: 1.86 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. -0.250 min

Lab File: VX025526.D

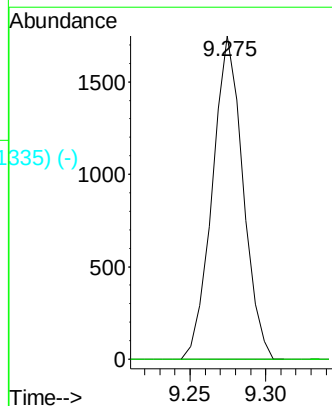
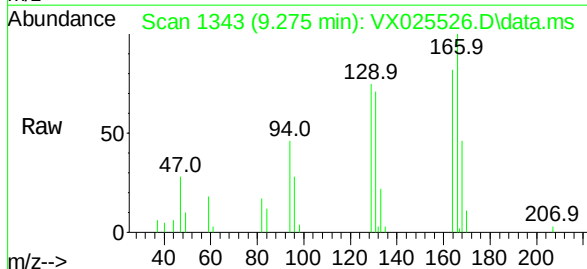
Acq: 04 Dec 2021 16:54

Tgt Ion: 129 Resp: 2461

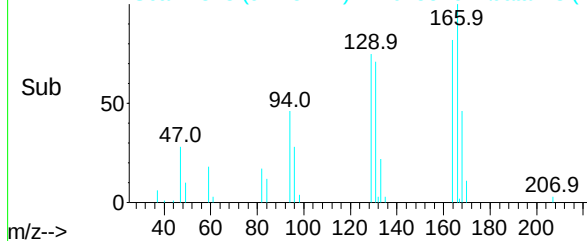
Ion Ratio Lower Upper

129 100

127 0.0 38.5 115.5#



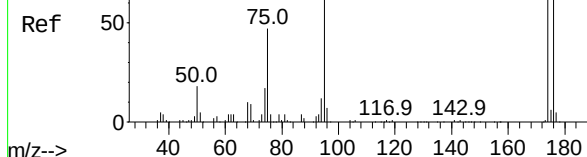
Abundance Scan 1343 (9.275 min): VX025526.D\data.ms (-1335) (-)



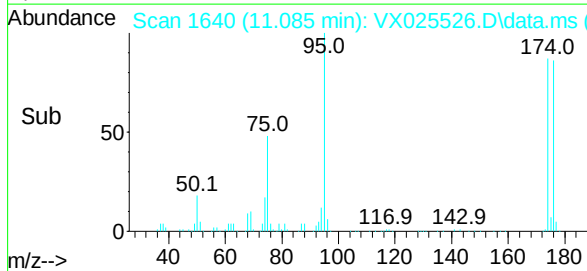
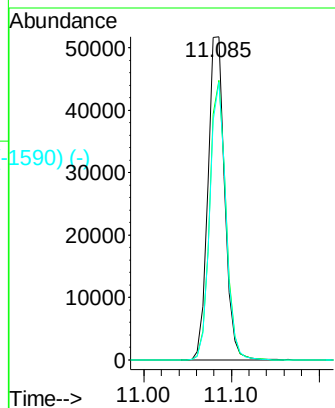
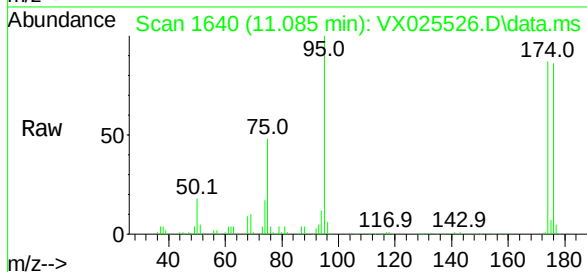
Abundance Scan 1639 (11.079 min): VX025183.D\data.ms (-1639) (-)

4-Bromofluorobenzene
Concen: 46.92 ug/l
RT: 11.085 min Scan# 1639
Delta R.T. 0.006 min
Lab File: VX025526.D
Acq: 04 Dec 2021 16:54

Instrument :
MSVOA_X
ClientSampleId :



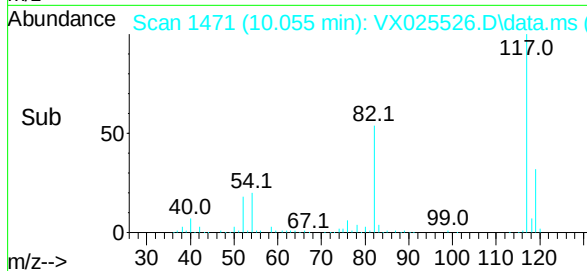
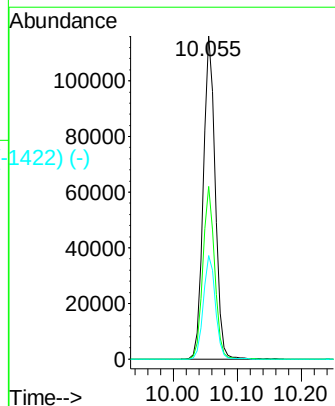
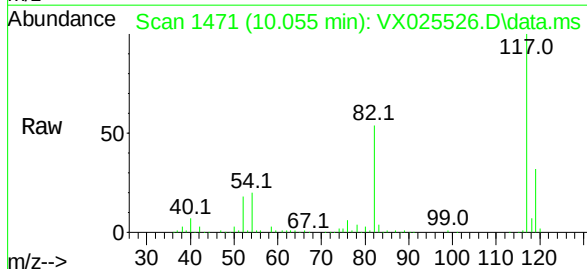
Tgt Ion:	95	Resp:	68613
Ion	Ratio	Lower	Upper
95	100		
174	83.8	0.0	158.0
176	82.5	0.0	153.6



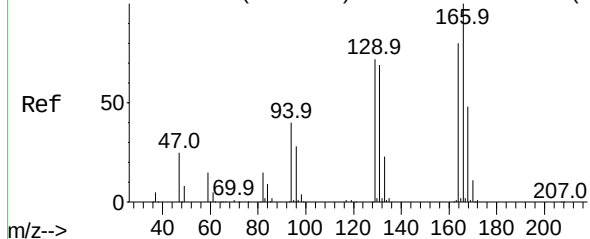
Abundance Scan 1471 (10.055 min): VX025183.D\data.ms (-1469) (-)

Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX025526.D
Acq: 04 Dec 2021 16:54

Tgt Ion:	117	Resp:	151957
Ion	Ratio	Lower	Upper
117	100		
82	53.6	44.6	67.0
119	32.1	24.8	37.2



Abundance Scan 1343 (9.275 min): VX025183.D\data.ms (-1336)



Tetrachloroethene

Concen: 2.03 ug/l

RT: 9.275 min Scan#

Delta R.T. -0.000 min

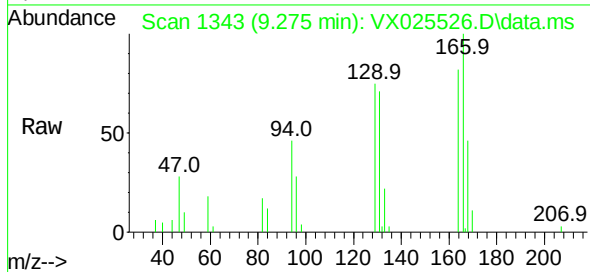
Lab File: VX025526.D

Acq: 04 Dec 2021 16:54

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:164 Resp: 2544

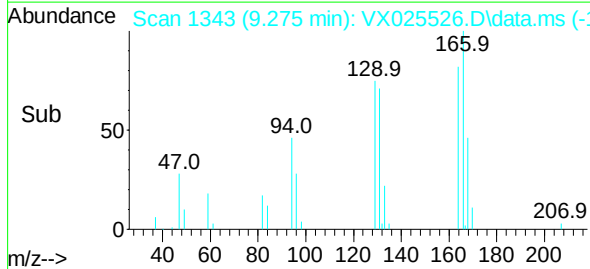
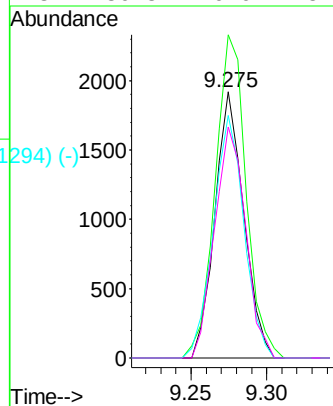
Ion Ratio Lower Upper

164 100

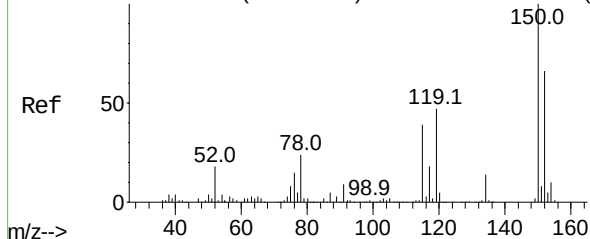
166 121.5 103.2 154.8

129 91.1 81.0 121.4

131 86.8 76.6 115.0



Abundance Scan 1794 (12.024 min): VX025183.D\data.ms (-1783)



1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX025526.D

Acq: 04 Dec 2021 16:54

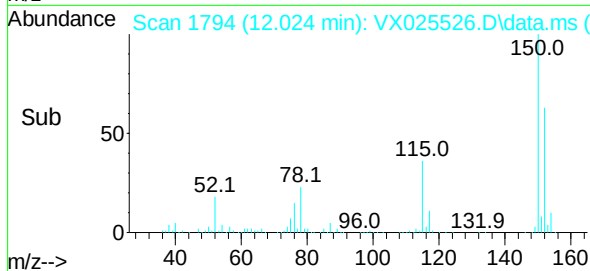
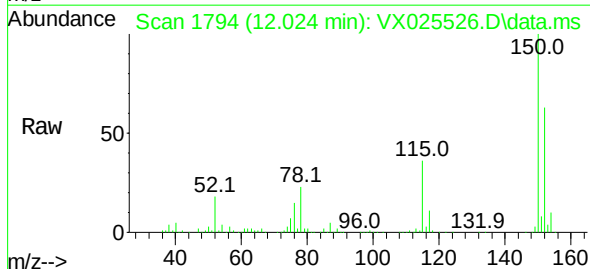
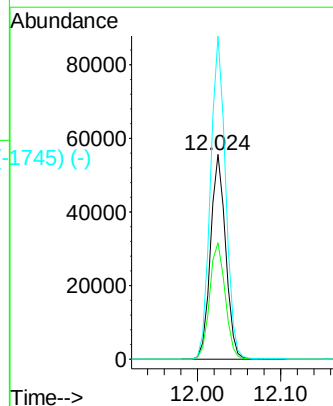
Tgt Ion:152 Resp: 69551

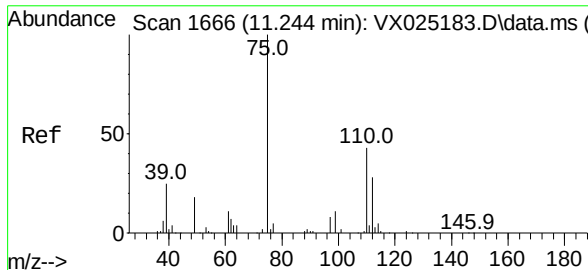
Ion Ratio Lower Upper

152 100

115 58.4 43.3 129.8

150 157.6 0.0 351.2

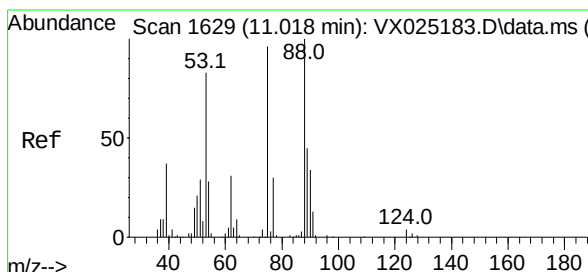
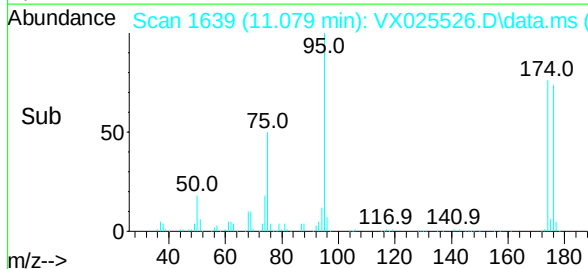
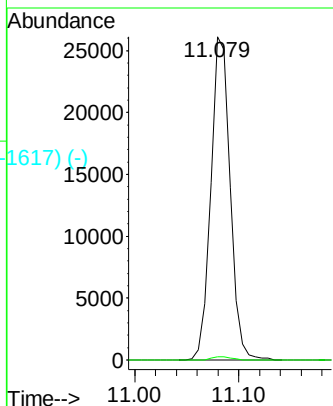
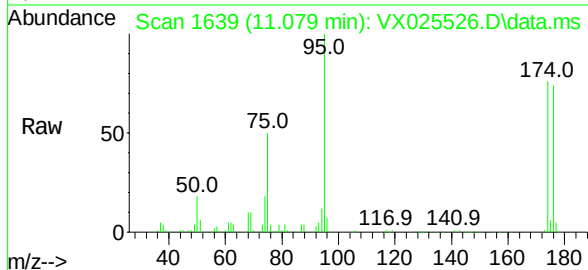




Scan 1666 (11.244 min): VX025183.D\data.ms (-1675) (-)
 1,2,3-Trichloropropane
 Concen: 23.61 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.165 min
 Lab File: VX025526.D
 Acq: 04 Dec 2021 16:54

Instrument : MSVOA_X
 ClientSampleId :

Tgt Ion: 75 Resp: 33633
 Ion Ratio Lower Upper
 75 100
 77 1.0 20.0 59.9#



Scan 1629 (11.018 min): VX025183.D\data.ms (-1624) (-)
 trans-1,4-Dichloro-2-butene
 Concen: 59.49 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.061 min
 Lab File: VX025526.D
 Acq: 04 Dec 2021 16:54

Tgt Ion: 75 Resp: 33633
 Ion Ratio Lower Upper
 75 100
 53 0.0 81.9 122.9#
 89 0.0 38.2 57.2#

