

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032919\
 Data File : VL033499.D
 Acq On : 29 Mar 2019 12:54
 Operator : SY/AP
 Sample : OC032719 CAN 10266
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC032719 CAN 10266

Manual Integrations
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 4/1/2019 4:03:08 AM

Quant Time: Mar 30 01:53:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 2
 QLast Update : Tue Mar 26 16:00:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	866292	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2184614	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2099473	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1610242	9.78	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
4) Chloromethane	3.17	50	11962	0.227	ppbv #	80
5) Vinyl Chloride	3.29	62	6209	0.120	ppbv	91
8) Dichlorotetrafluoroethane	3.22	85	13389	0.099	ppbv	99
20) Methylene Chloride	4.40	84	56691	1.282	ppbv	88
26) Hexane	5.78	57	34529	0.402	ppbv #	50
29) Chloroform	5.84	83	15550	0.106	ppbv	95
32) 1,1,1-Trichloroethane	6.62	97	13814	0.098	ppbv	98
35) Carbon Tetrachloride	7.13	117	14332m	0.093	ppbv	
36) Benzene	7.00	78	17972	0.098	ppbv #	94
38) Trichloroethene	7.96	130	7597m	0.110	ppbv	

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

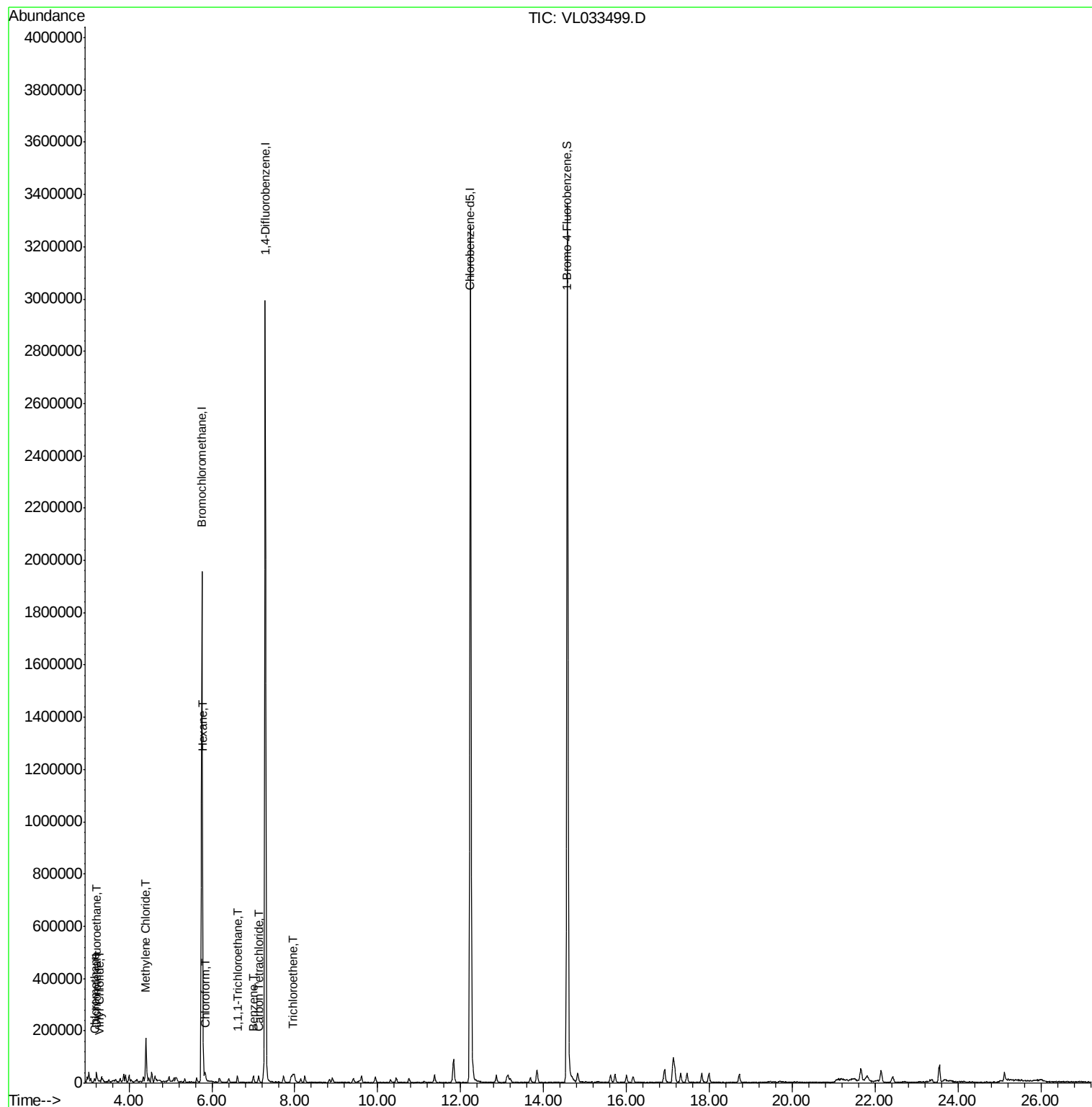
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL032919\
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QLast Update : Tue Mar 26 16:00:50 2019
Response via : Initial Calibration





#1

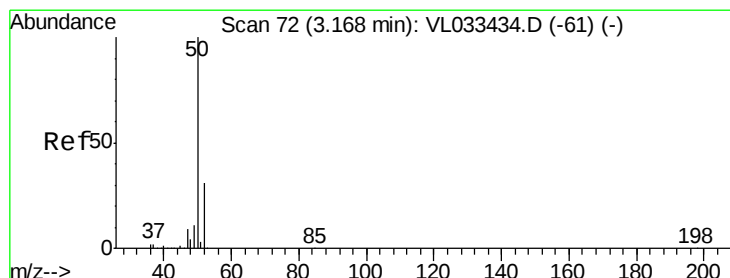
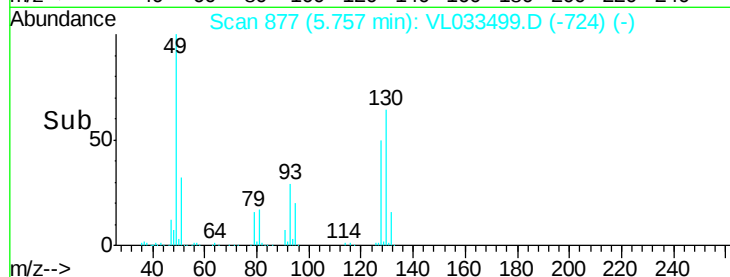
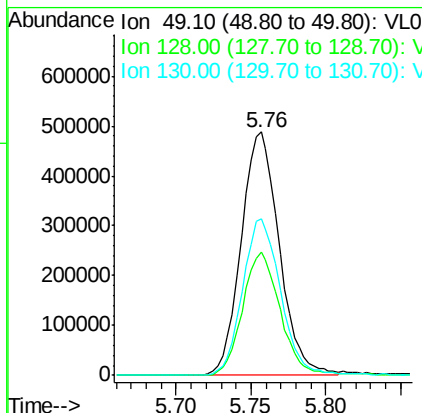
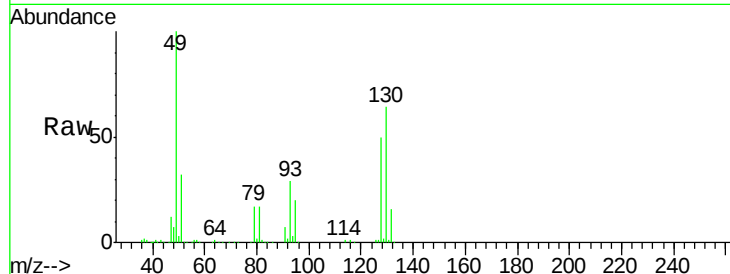
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.76 min Scan# 877
 Delta R.T. -0.01 min
 Lab File: VL033499.D
 Acq: 29 Mar 2019 12:54

Instrument :
 MSVOA_L
 ClientSampleId :
 QC032719 CAN 10266

Tot Ion	Ratio	Lower	Upper
49	100		
128	50.3	24.0	72.0
130	65.0	31.2	93.6

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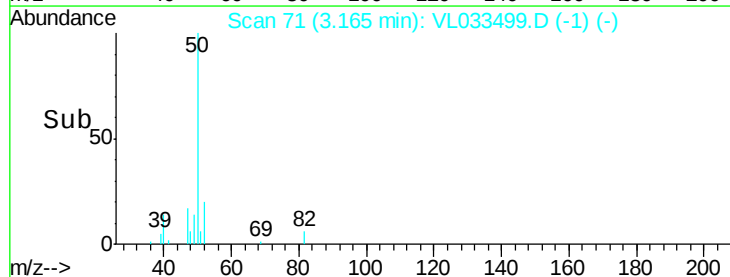
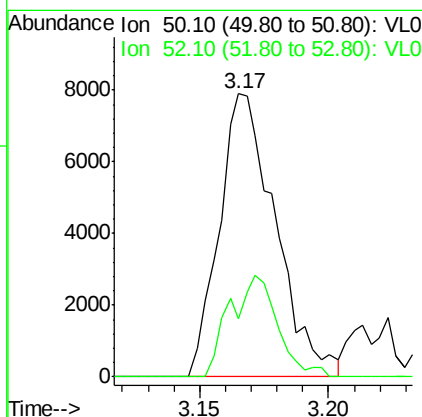
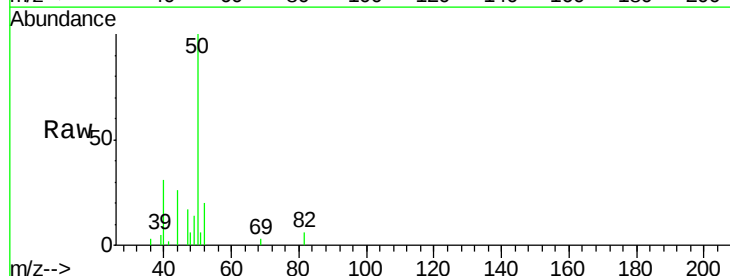
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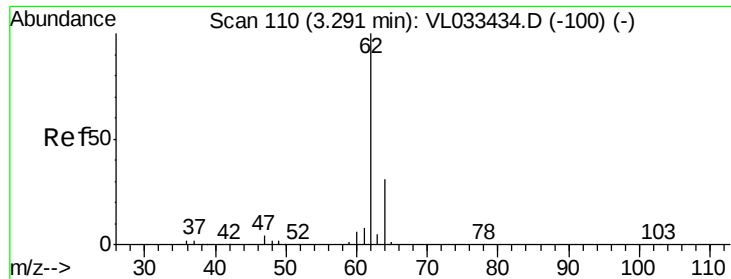


#4

Chloromethane
 Concen: 0.227 ppbv
 RT: 3.17 min Scan# 71
 Delta R.T. -0.00 min
 Lab File: VL033499.D
 Acq: 29 Mar 2019 12:54

Tgt Ion	Ratio	Lower	Upper
50	100		
52	20.4	25.0	37.6#





#5

Vinyl Chloride

Concen: 0.120 ppbv

RT: 3.29 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL033499.D

Acq: 29 Mar 2019 12:54

Instrument :

MSVOA_L

ClientSampleId :

QC032719 CAN 10266

Tot Ion: 62 Resp: 6209

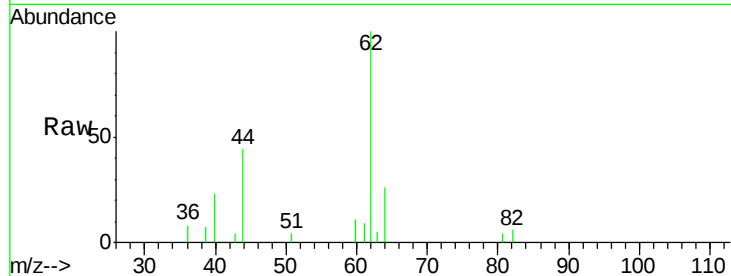
Ion Ratio Lower Upper

62 100

64 26.2 24.9 37.3

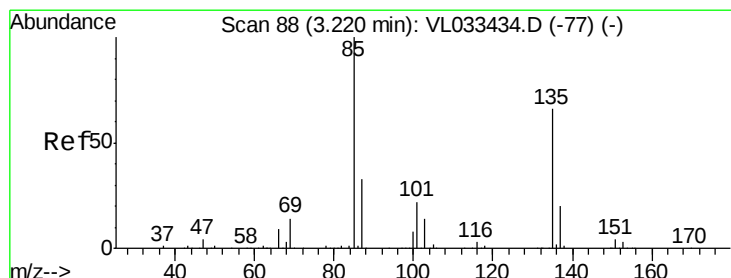
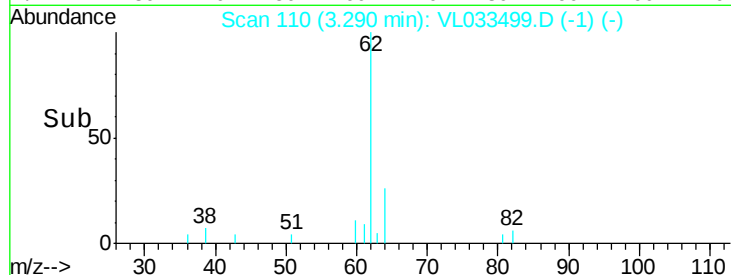
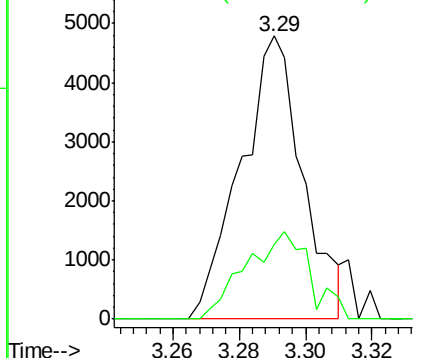
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 0.099 ppbv

RT: 3.22 min Scan# 87

Delta R.T. -0.00 min

Lab File: VL033499.D

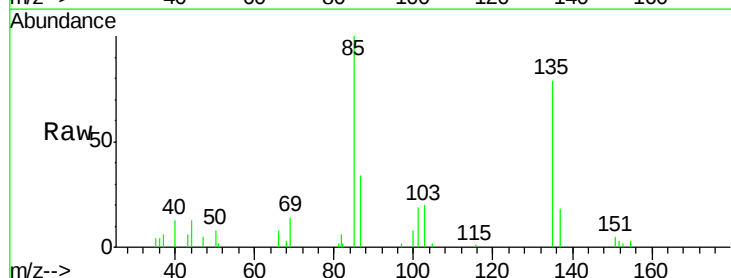
Acq: 29 Mar 2019 12:54

Tgt Ion: 85 Resp: 13389

Ion Ratio Lower Upper

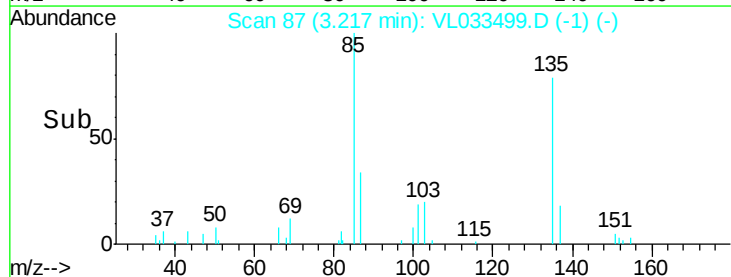
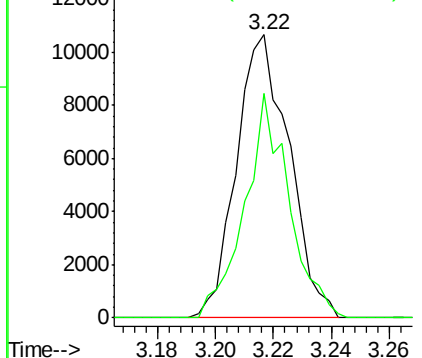
85 100

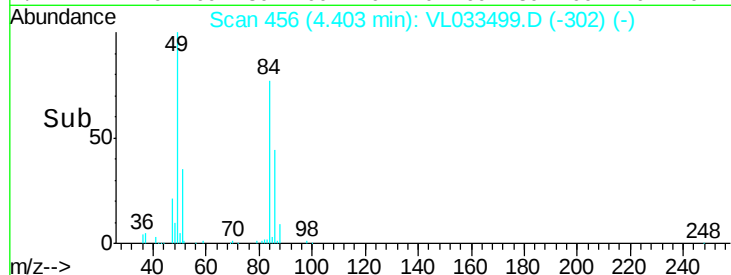
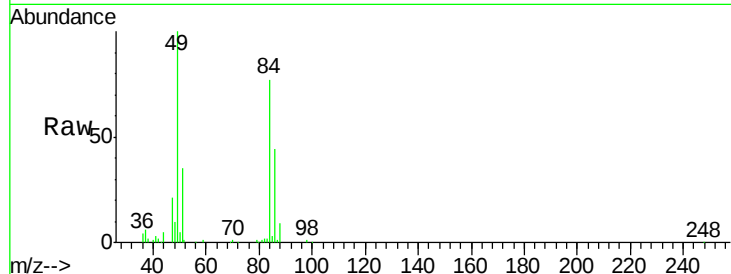
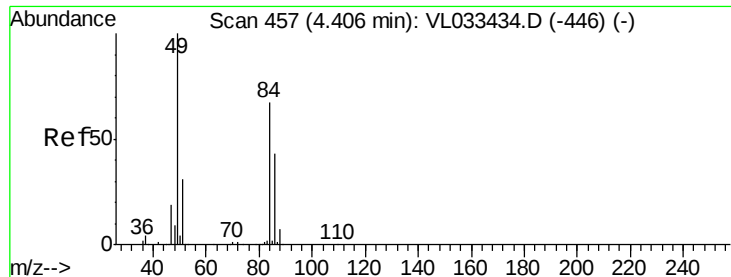
135 66.9 54.0 81.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





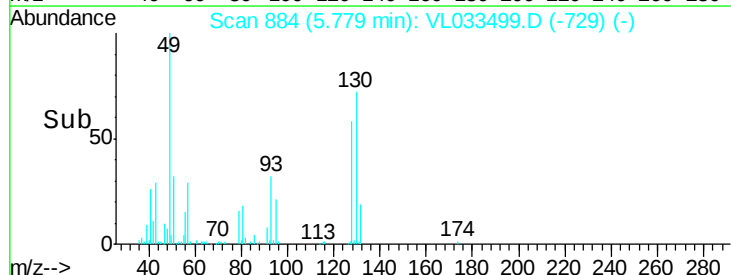
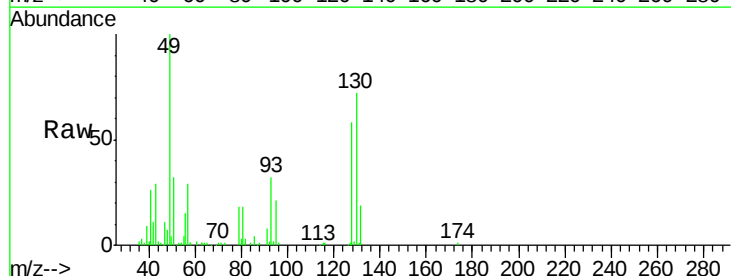
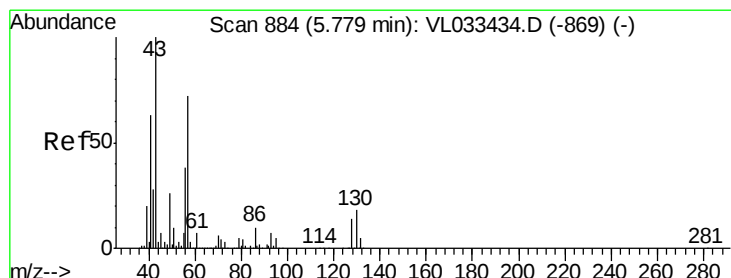
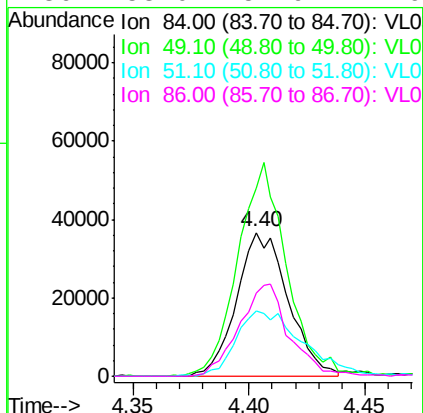
#20
Methvlene Chloride
Concen: 1.282 ppbv
RT: 4.40 min Scan# 456
Delta R.T. -0.00 min
Lab File: VL033499.D
Acq: 29 Mar 2019 12:54

Tot Ion	84	Resp	56691
Ion	Ratio	Lower	Upper
84	100		
49	129.0	120.0	180.0
51	46.3	36.7	55.1
86	58.0	51.9	77.9

Instrument :
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QC032719 CAN 10266

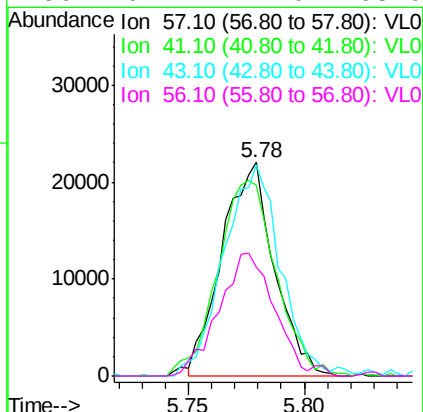
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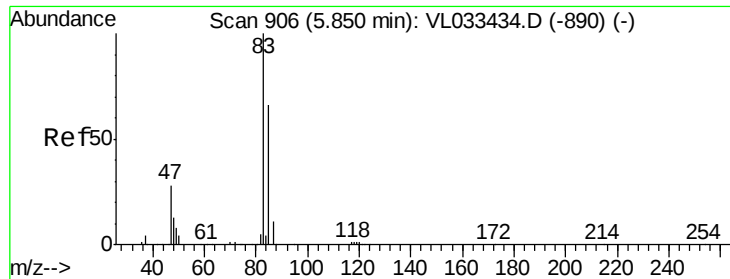
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#26
Hexane
Concen: 0.402 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.00 min
Lab File: VL033499.D
Acq: 29 Mar 2019 12:54

Tgt Ion	57	Resp	34529
Ion	Ratio	Lower	Upper
57	100		
41	102.6	70.7	106.1
43	108.9	182.6	274.0#
56	62.1	42.0	63.0





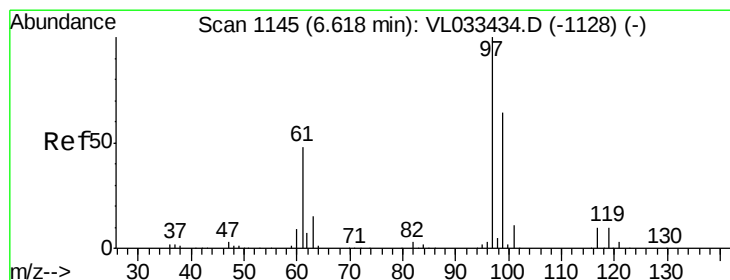
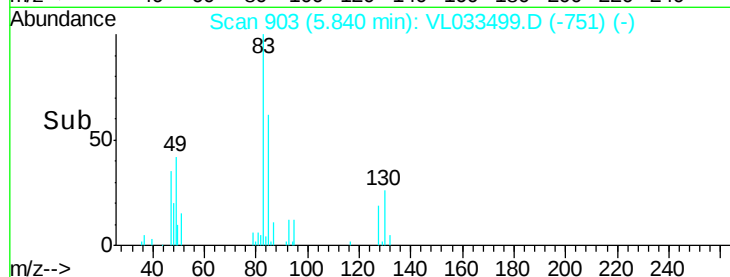
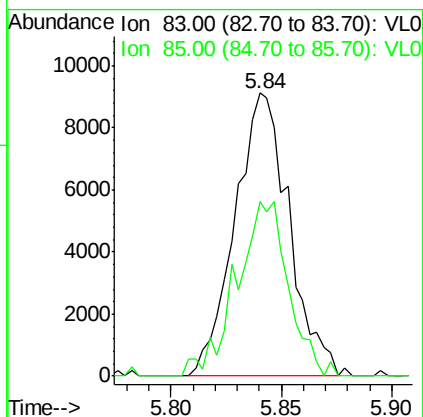
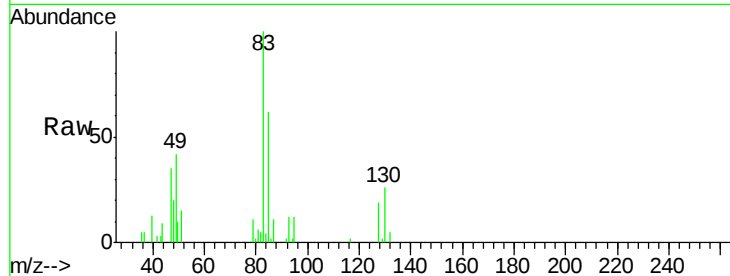
#29
Chloroform
Concen: 0.106 ppbv
RT: 5.84 min Scan# 903
Delta R.T. -0.01 min
Lab File: VL033499.D
Acq: 29 Mar 2019 12:54

Instrument :
MSVOA_L
ClientSampleId :
QC032719 CAN 10266

Tot Ion: 83 Resp: 15550
Ion Ratio Lower Upper
83 100
85 61.8 52.6 79.0

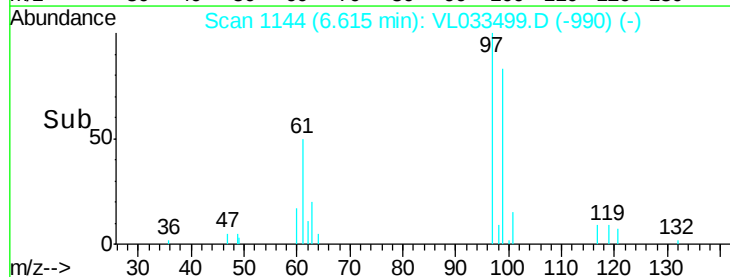
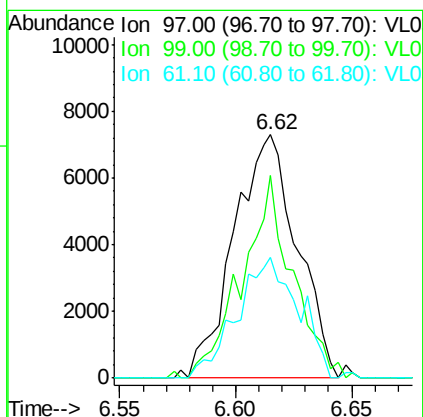
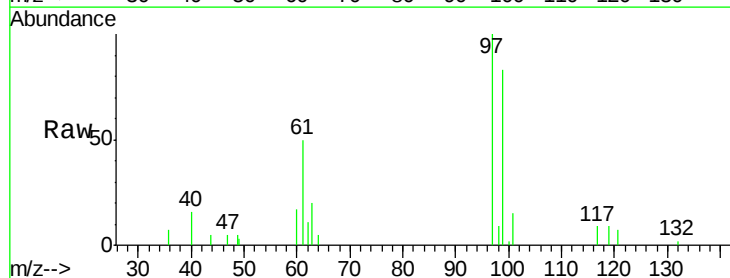
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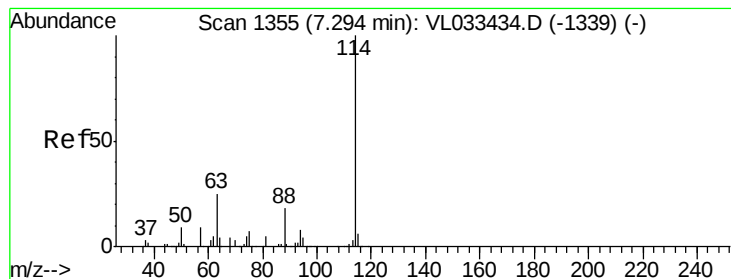
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#32
1,1,1-Trichloroethane
Concen: 0.098 ppbv
RT: 6.62 min Scan# 1144
Delta R.T. -0.00 min
Lab File: VL033499.D
Acq: 29 Mar 2019 12:54

Tgt Ion: 97 Resp: 13814
Ion Ratio Lower Upper
97 100
99 66.7 51.5 77.3
61 49.0 38.8 58.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.29 min Scan# 1353

Delta R.T. -0.01 min

Lab File: VL033499.D

Acq: 29 Mar 2019 12:54

Instrument :

MSVOA_L

ClientSampleId :

QC032719 CAN 10266

Tot Ion:114 Resp: 2184614

Ion Ratio Lower Upper

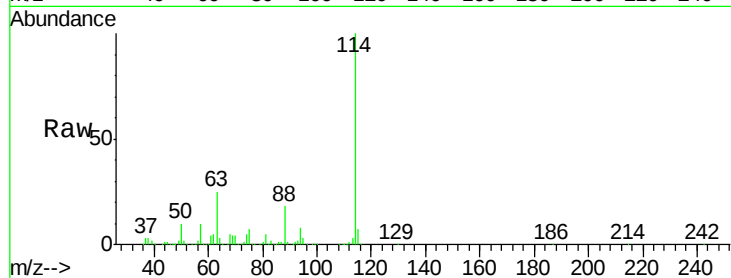
114 100

63 25.1 21.5 32.3

88 17.7 14.5 21.7

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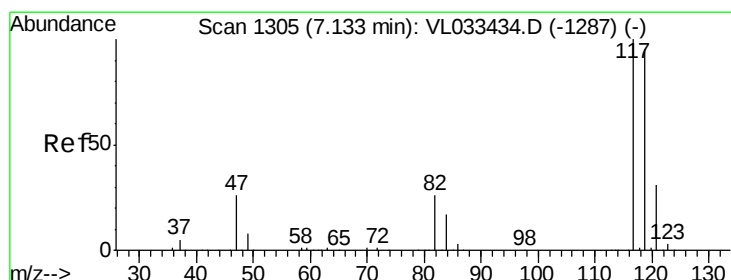
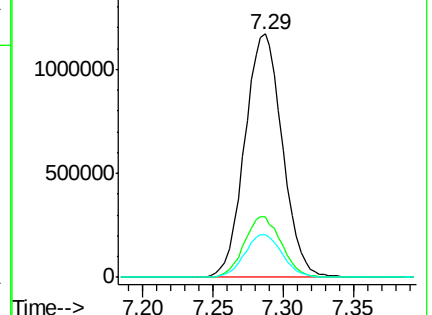
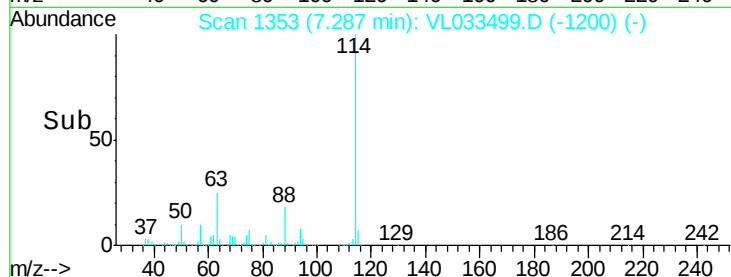
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Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#35

Carbon Tetrachloride

Concen: 0.093 ppbv m

RT: 7.13 min Scan# 1304

Delta R.T. -0.00 min

Lab File: VL033499.D

Acq: 29 Mar 2019 12:54

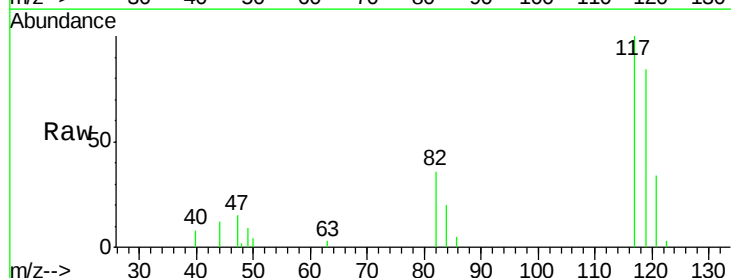
Tgt Ion:117 Resp: 14332

Ion Ratio Lower Upper

117 100

119 84.0 75.8 113.8

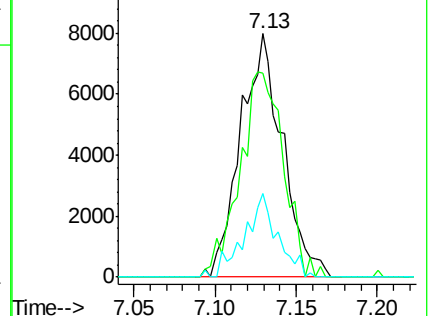
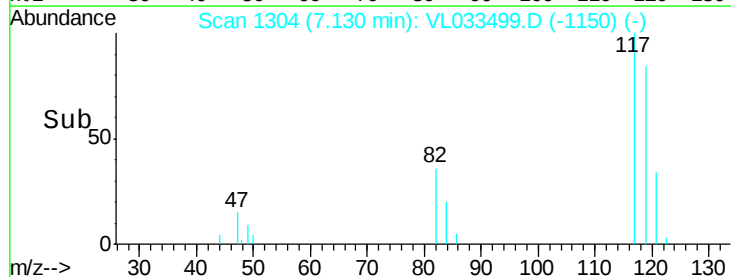
121 34.5 24.7 37.1

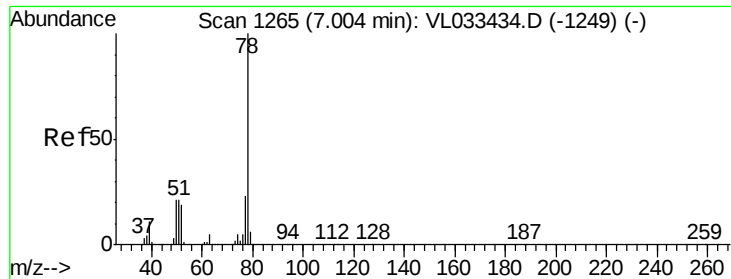


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V





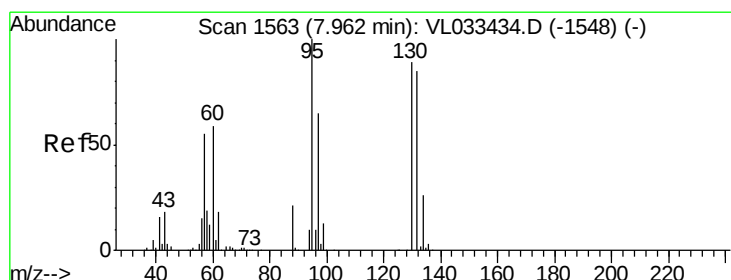
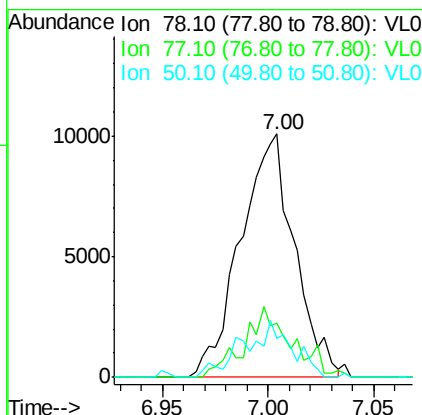
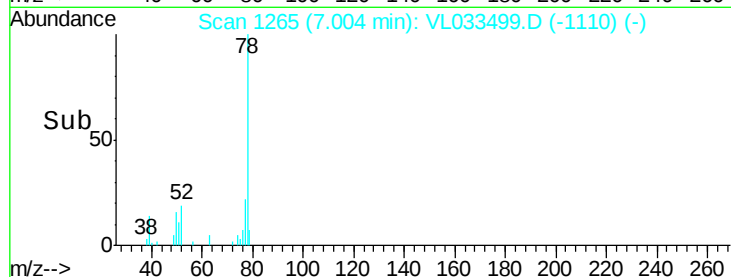
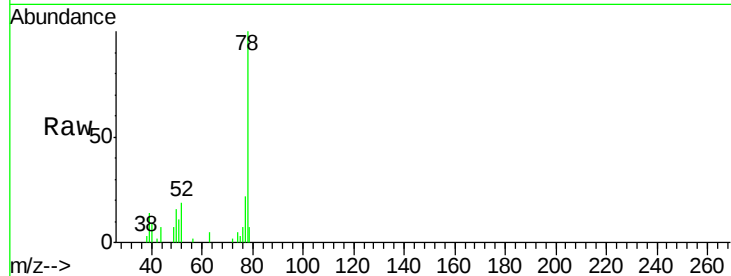
#36
Benzene
Concen: 0.098 ppbv
RT: 7.00 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VL033499.D
Acq: 29 Mar 2019 12:54

Instrument :
MSVOA_L
ClientSampleId :
QC032719 CAN 10266

Tot Ion	Ratio	Lower	Upper
78	100		
77	22.1	18.1	27.1
50	15.7	16.7	25.1

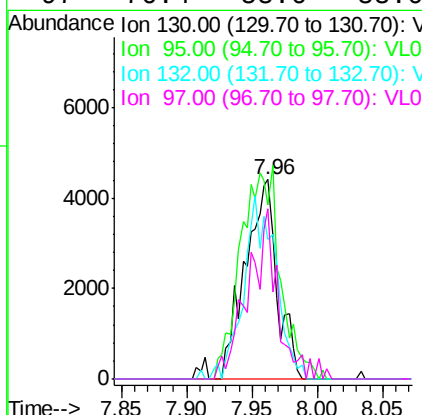
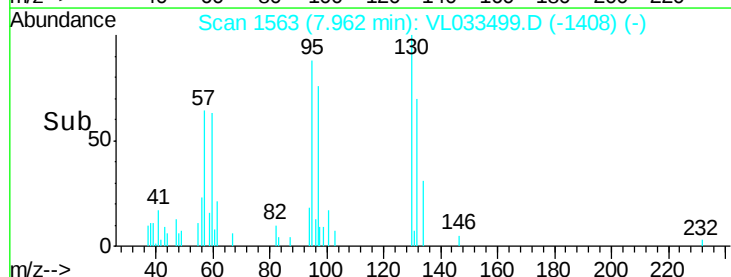
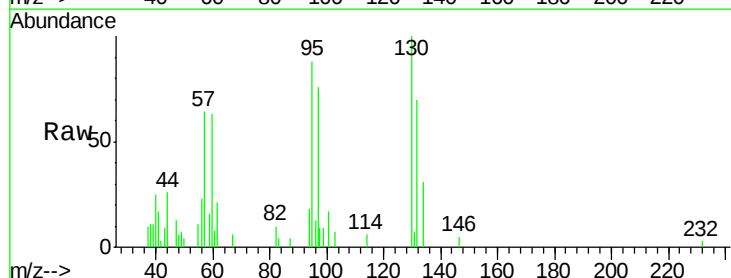
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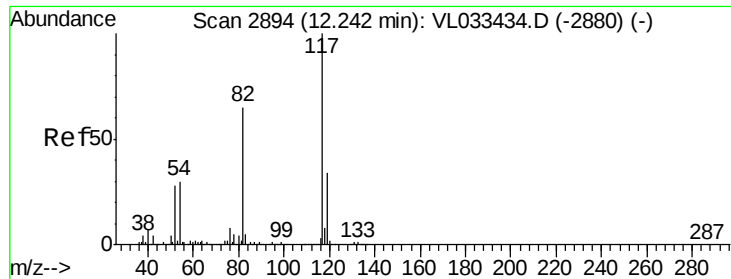
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#38
Trichloroethene
Concen: 0.110 ppbv m
RT: 7.96 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VL033499.D
Acq: 29 Mar 2019 12:54

Tgt Ion	Ratio	Lower	Upper
130	100		
95	87.6	89.8	134.8
132	70.1	76.6	115.0
97	76.4	58.6	88.0





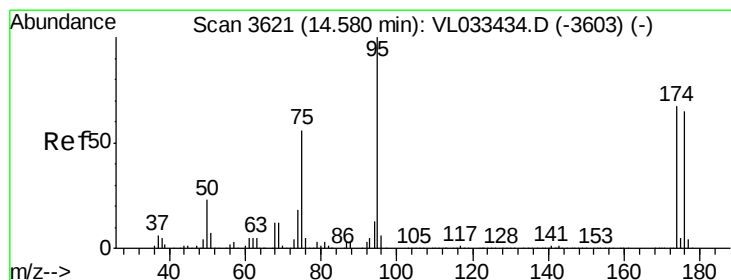
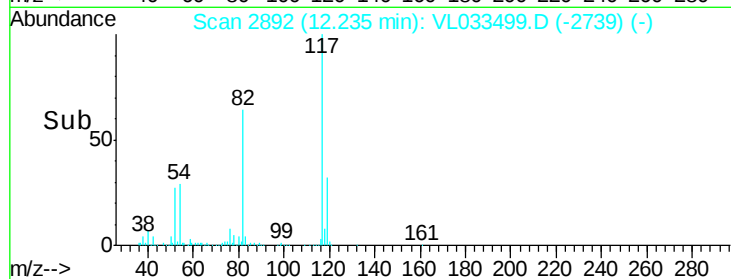
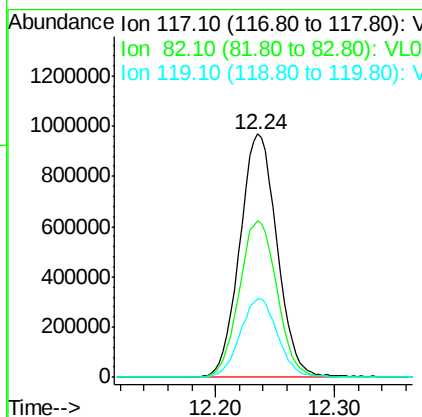
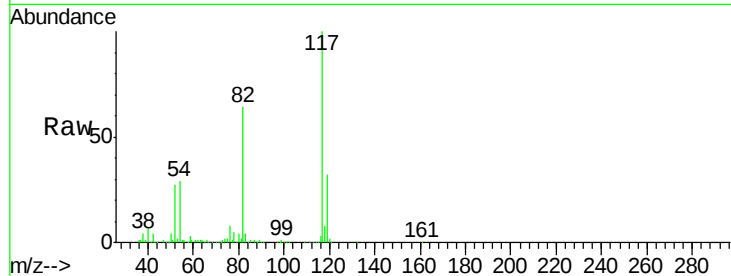
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. -0.01 min
Lab File: VL033499.D
Acq: 29 Mar 2019 12:54

Instrument :
MSVOA_L
ClientSampleId :
QC032719 CAN 10266

Tot Ion:117 Resp: 2099473
Ion Ratio Lower Upper
117 100
82 65.7 51.5 77.3
119 32.7 25.5 38.3

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#68
1-Bromo-4-Fluorobenzene
Concen: 9.783 ppbv
RT: 14.58 min Scan# 3620
Delta R.T. -0.00 min
Lab File: VL033499.D
Acq: 29 Mar 2019 12:54

Tgt Ion: 95 Resp: 1610242
Ion Ratio Lower Upper
95 100
174 67.9 52.9 79.3
175 5.0 3.8 5.6

