

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052919\
 Data File : VL033868.D
 Acq On : 30 May 2019 13:09
 Operator : SY/AP
 Sample : K3067-08DL 4X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-22-20190523-ODL

Manual Integrations
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Quant Time: May 31 08:04:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May 1
 QLast Update : Fri May 17 08:15:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.75	49	704133	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	1608378	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.23	117	1655377	10.00	ppbv	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.56	95	1336667	9.96	ppbv	-0.01	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	3.01	51	17236m	0.214	ppbv	
13) Ethanol	3.64	45	280085	25.260	ppbv	98
15) Acetone	3.90	43	187274	1.917	ppbv	100
19) Isopropyl Alcohol	4.03	45	108325m	1.720	ppbv	
26) Hexane	5.77	57	296702	4.022	ppbv #	42
29) Chloroform	5.84	83	40430	0.297	ppbv	92
32) 1,1,1-Trichloroethane	6.61	97	19971	0.147	ppbv	97
34) 2-Butanone	5.33	43	37771	0.379	ppbv	97
35) Carbon Tetrachloride	7.13	117	4636	0.036	ppbv #	51
38) Trichloroethene	7.95	130	7522m	0.139	ppbv	
52) Tetrachloroethene	11.36	164	274601	5.339	ppbv	97
53) Toluene	9.94	91	76533	0.485	ppbv	97
59) m/p-Xylene	13.12	91	21800m	0.114	ppbv	

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

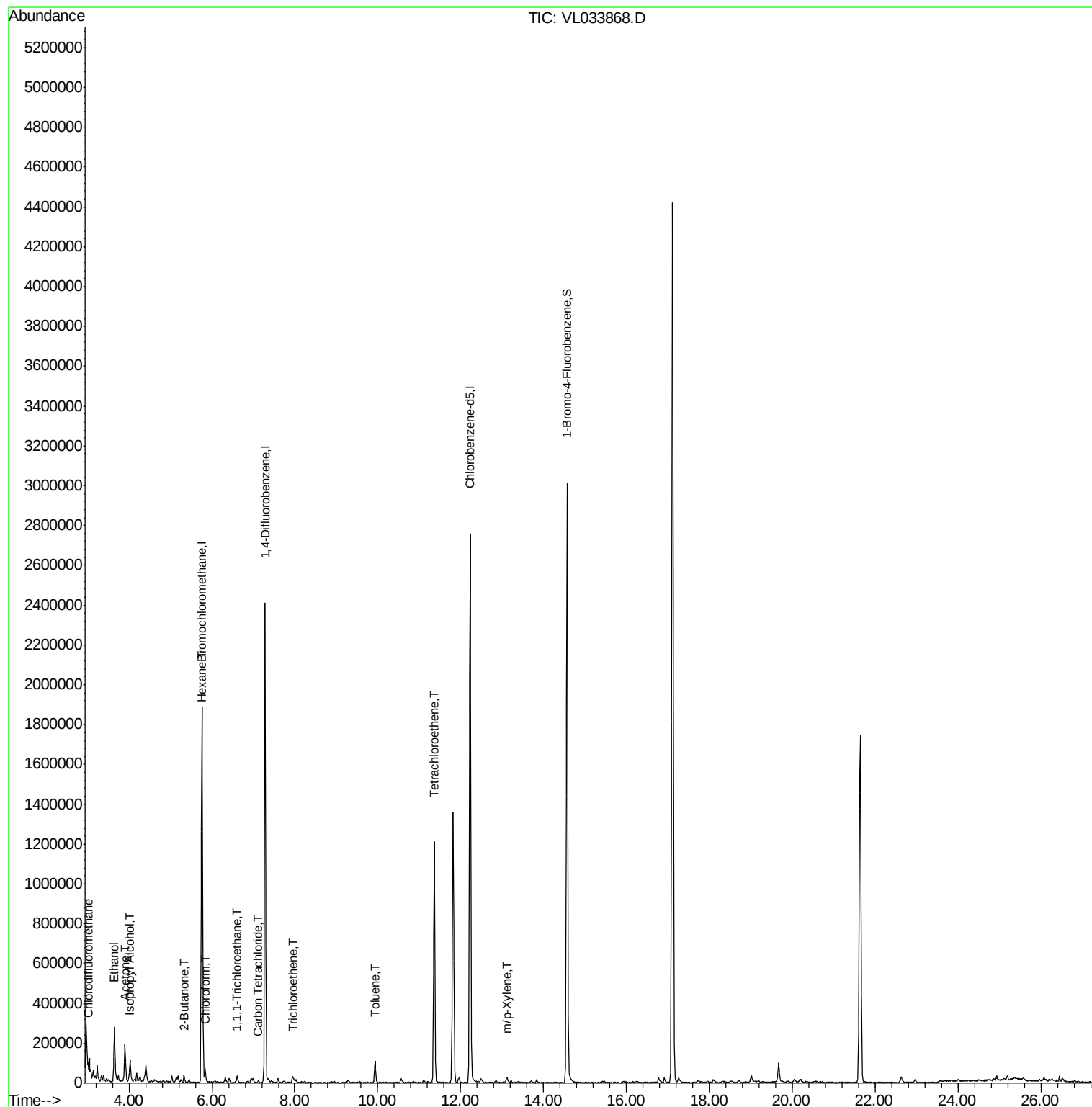
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL052919\
Data File : VL033868.D
Acq On : 30 May 2019 13:09
Operator : SY/AP
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Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

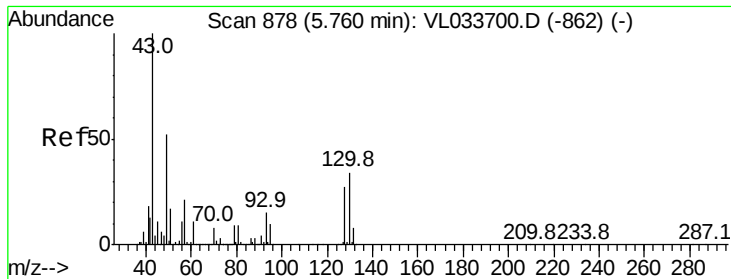
Instrument :
MSVOA_L
ClientSampleId :
SG-22-20190523-ODL

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Quant Time: May 31 08:04:01 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.75 min Scan# 875

Delta R.T. -0.01 min

Lab File: VL033868.D

Acq: 30 May 2019 13:09

Instrument :

MSVOA_L

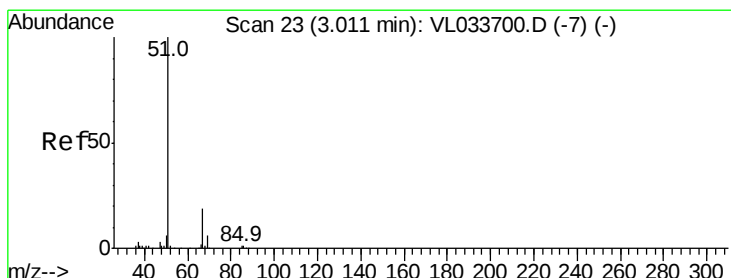
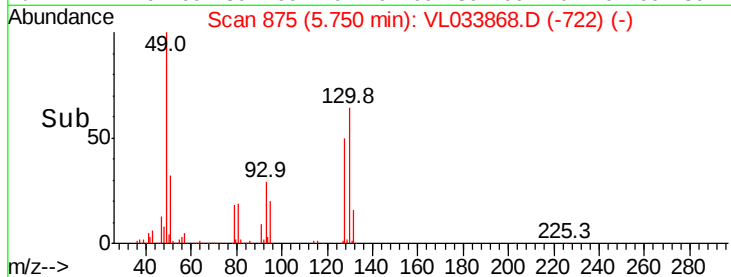
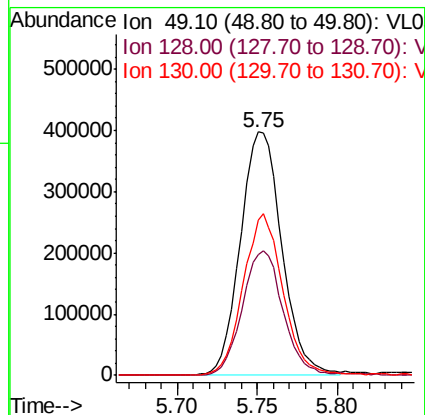
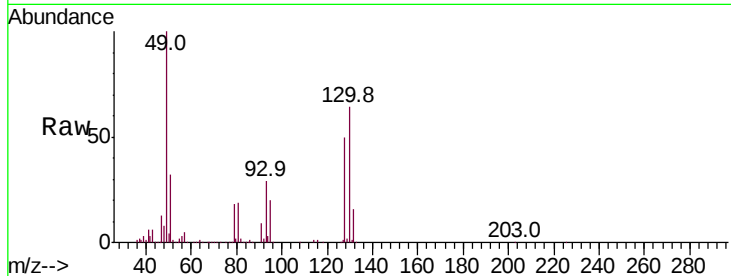
ClientSampleId :

SG-22-20190523-ODL

Tot Ion	Ratio	Lower	Upper
49	100		
128	50.6	25.2	75.6
130	63.7	32.5	97.5

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#3

Chlorodifluoromethane

Concen: 0.214 ppbv m

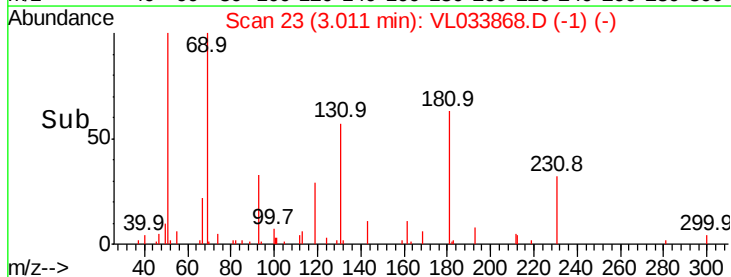
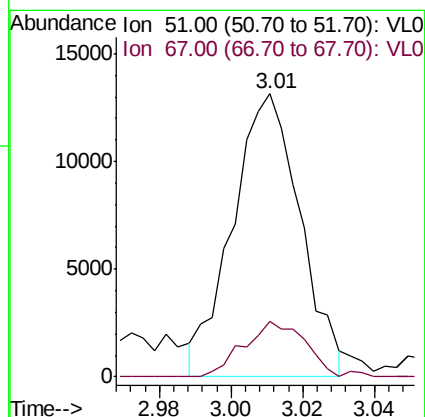
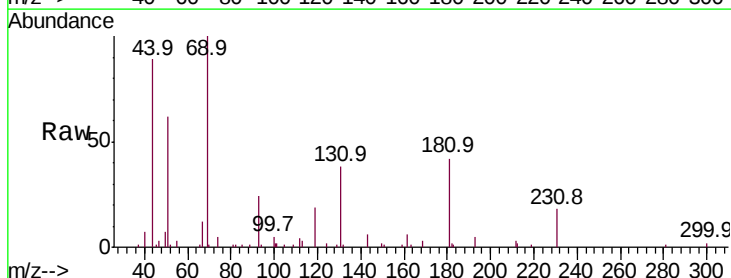
RT: 3.01 min Scan# 23

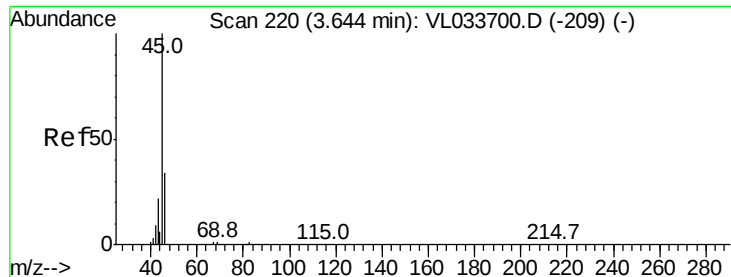
Delta R.T. 0.00 min

Lab File: VL033868.D

Acq: 30 May 2019 13:09

Tgt Ion	Ratio	Lower	Upper
51	100		
67	18.1	15.6	23.4





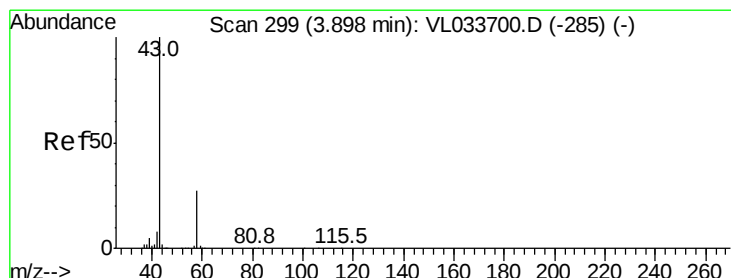
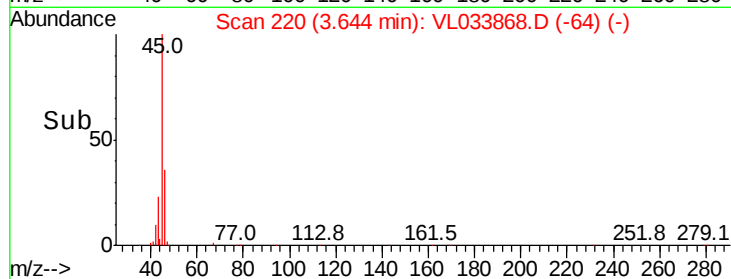
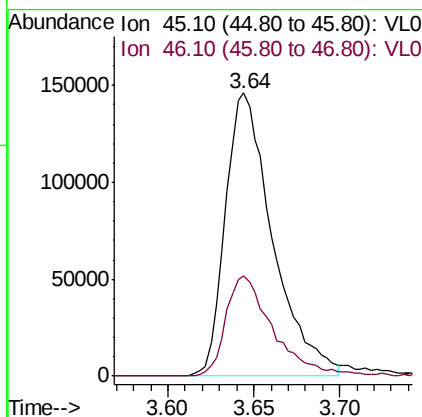
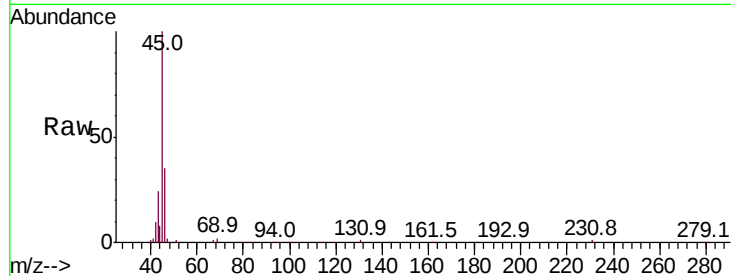
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Ethanol
Concen: 25.260 ppbv
RT: 3.64 min Scan# 220
Delta R.T. 0.00 min
Lab File: VL033868.D
Acq: 30 May 2019 13:09

Instrument :
MSVOA_L
ClientSampleId :
SG-22-20190523-ODL

Tot Ion: 45 Resp: 280085
Ion Ratio Lower Upper
45 100
46 35.9 14.8 59.0

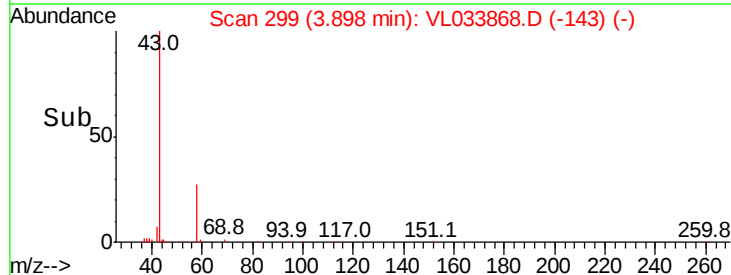
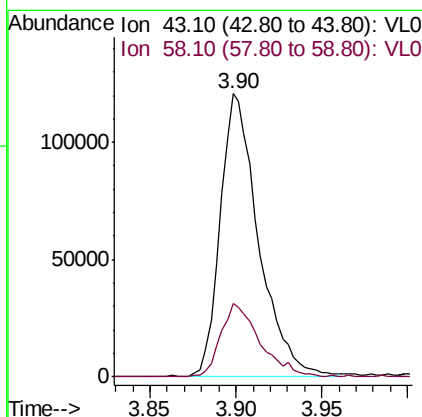
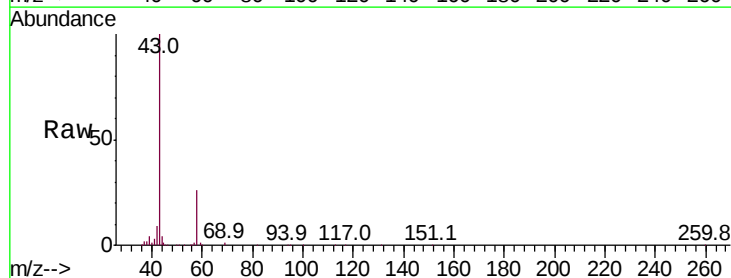
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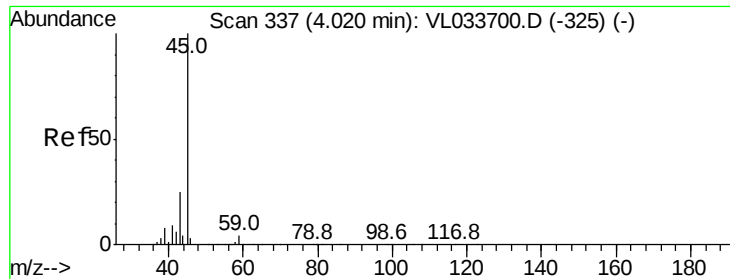
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#15
Acetone
Concen: 1.917 ppbv
RT: 3.90 min Scan# 299
Delta R.T. 0.00 min
Lab File: VL033868.D
Acq: 30 May 2019 13:09

Tgt Ion: 43 Resp: 187274
Ion Ratio Lower Upper
43 100
58 26.8 21.3 31.9





#19

Isopropyl Alcohol

Concen: 1.720 ppbv

RT: 4.03 min Scan# 339

Delta R.T. 0.01 min

Lab File: VL033868.D

Acq: 30 May 2019 13:09

Instrument :

MSVOA_L

ClientSampleId :

SG-22-20190523-ODL

Tot Ion: 45 Resp: 108325

Ion Ratio Lower Upper

45 100

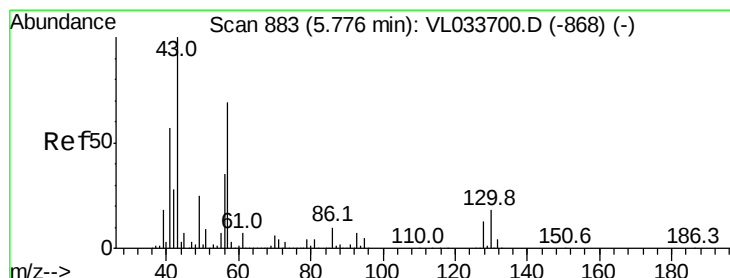
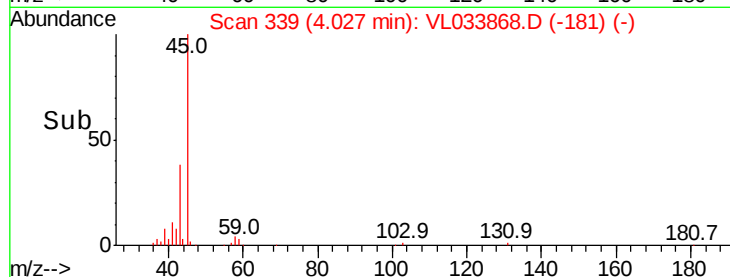
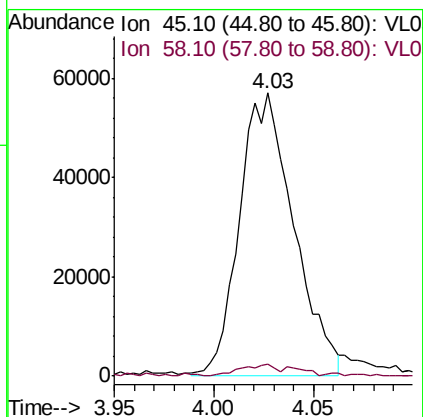
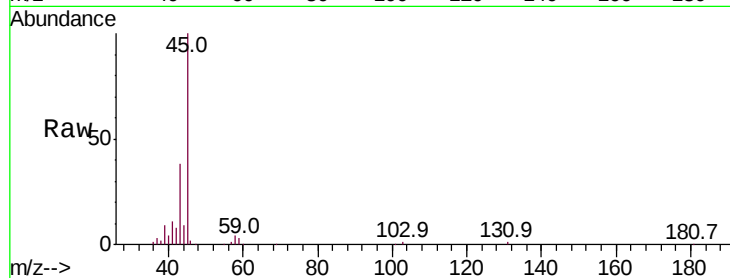
58 4.8 1.6 2.4#

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#26

Hexane

Concen: 4.022 ppbv

RT: 5.77 min Scan# 882

Delta R.T. -0.00 min

Lab File: VL033868.D

Acq: 30 May 2019 13:09

Tgt Ion: 57 Resp: 296702

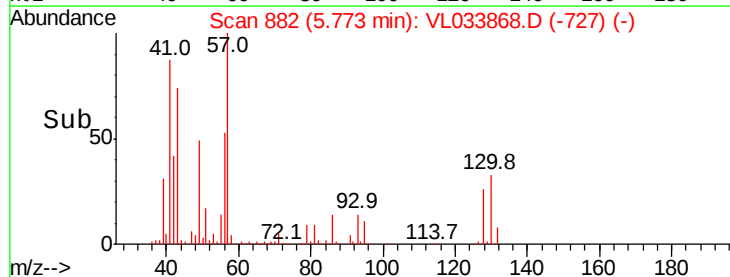
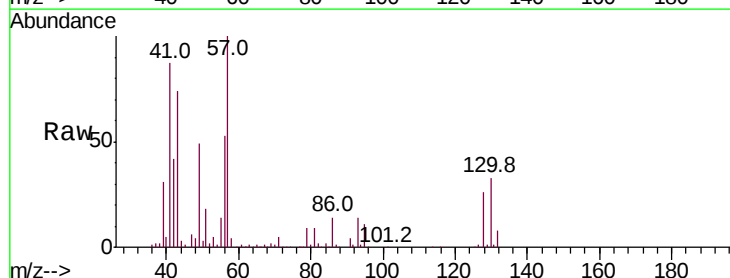
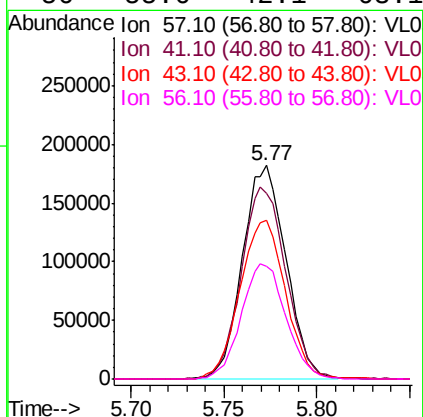
Ion Ratio Lower Upper

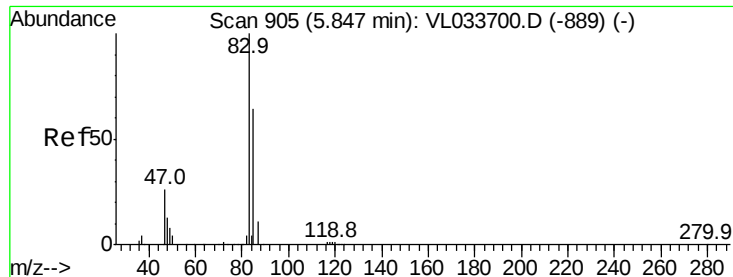
57 100

41 92.8 69.8 104.6

43 78.1 181.8 272.6#

56 55.6 42.1 63.1





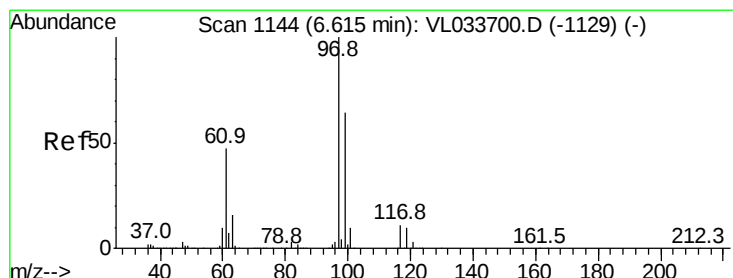
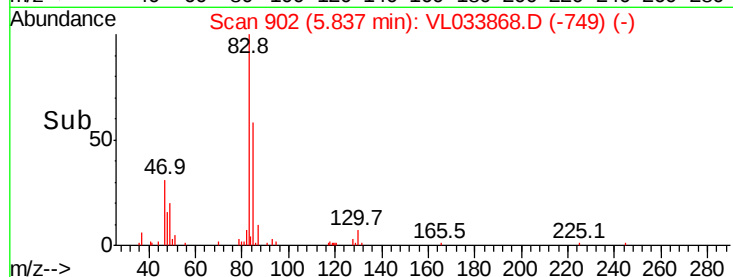
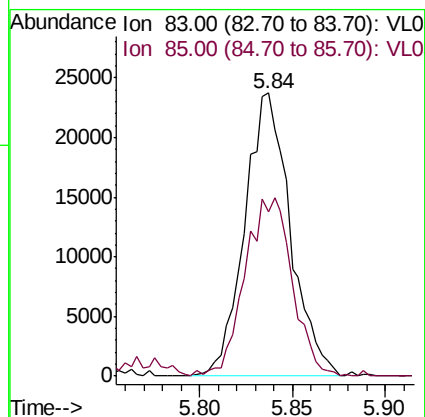
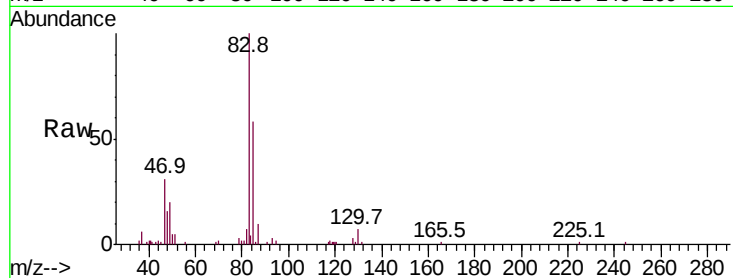
#29
Chloroform
Concen: 0.297 ppbv
RT: 5.84 min Scan# 902
Delta R.T. -0.01 min
Lab File: VL033868.D
Acq: 30 May 2019 13:09

Instrument :
MSVOA_L
ClientSampleId :
SG-22-20190523-ODL

Tot Ion: 83 Resp: 40430
Ion Ratio Lower Upper
83 100
85 58.3 51.5 77.3

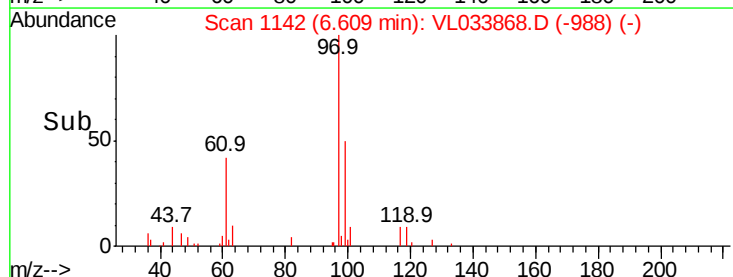
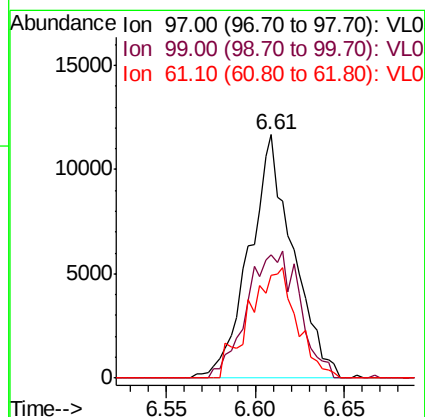
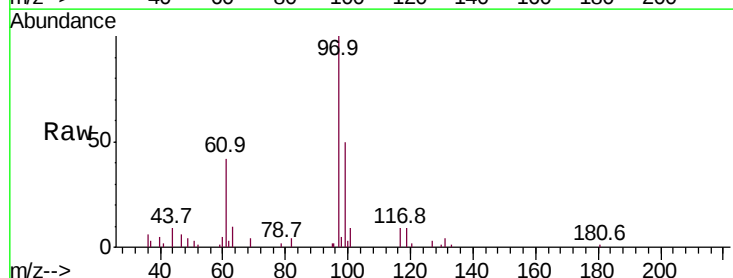
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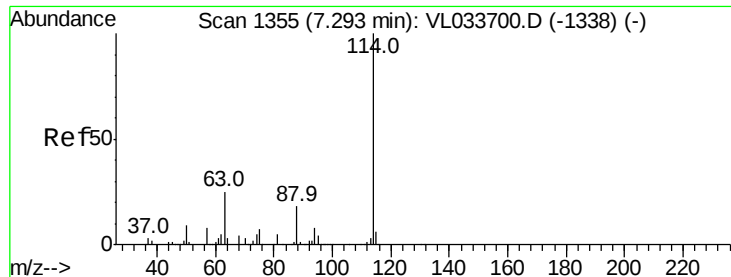
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#32
1,1,1-Trichloroethane
Concen: 0.147 ppbv
RT: 6.61 min Scan# 1142
Delta R.T. -0.01 min
Lab File: VL033868.D
Acq: 30 May 2019 13:09

Tgt Ion: 97 Resp: 19971
Ion Ratio Lower Upper
97 100
99 62.3 51.5 77.3
61 49.2 37.8 56.8





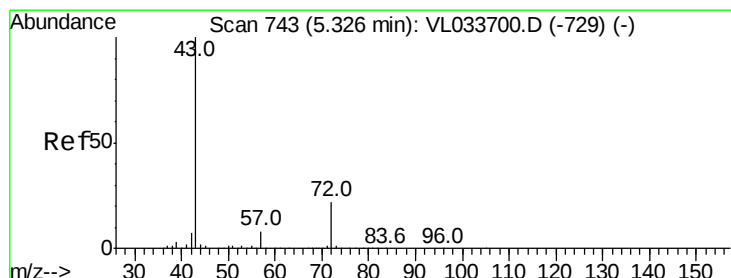
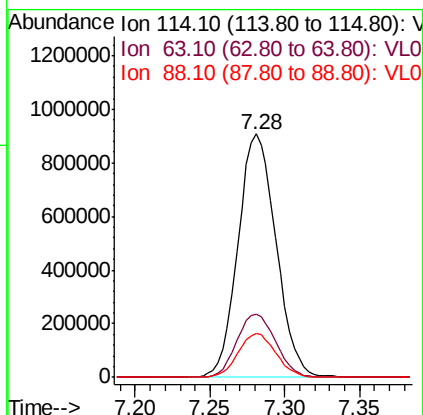
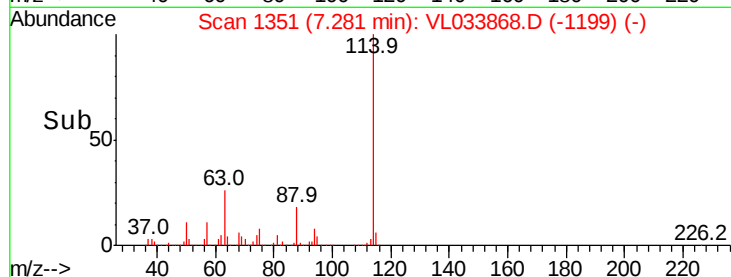
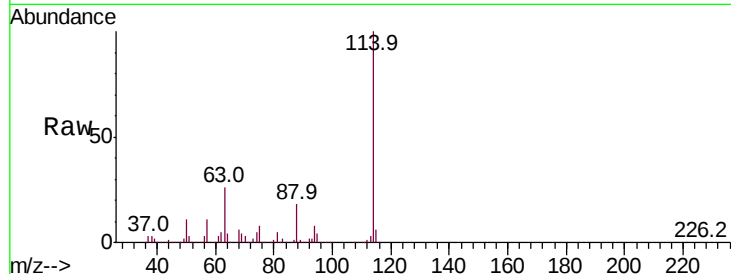
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.28 min Scan# 1351
 Delta R.T. -0.01 min
 Lab File: VL033868.D
 Acq: 30 May 2019 13:09

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-22-20190523-ODL

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.5	20.9	31.3
88	18.0	14.3	21.5

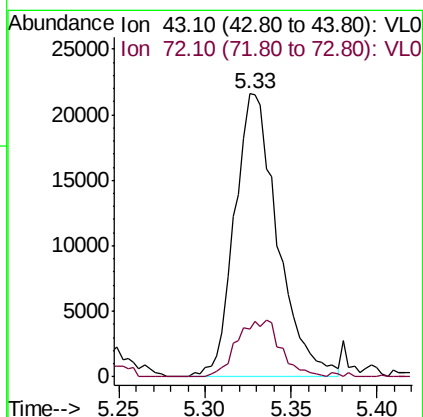
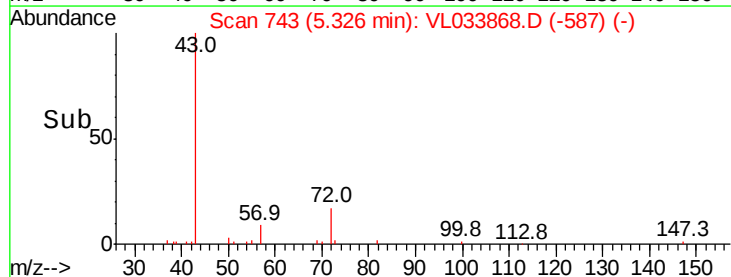
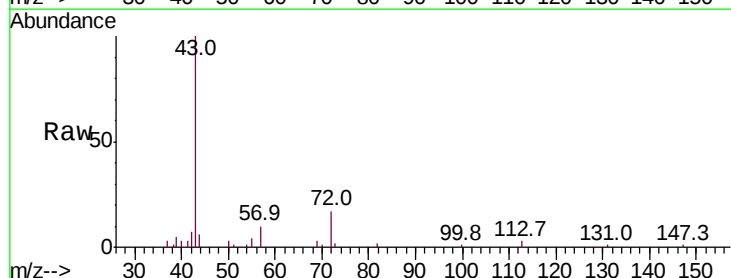
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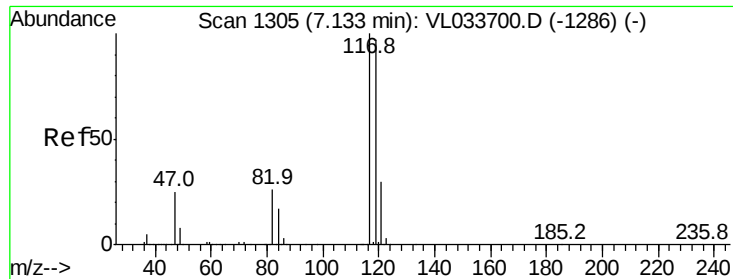
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#34
 2-Butanone
 Concen: 0.379 ppbv
 RT: 5.33 min Scan# 743
 Delta R.T. 0.00 min
 Lab File: VL033868.D
 Acq: 30 May 2019 13:09

Tgt Ion	Ratio	Lower	Upper
43	100		
72	20.8	17.8	26.6





#35

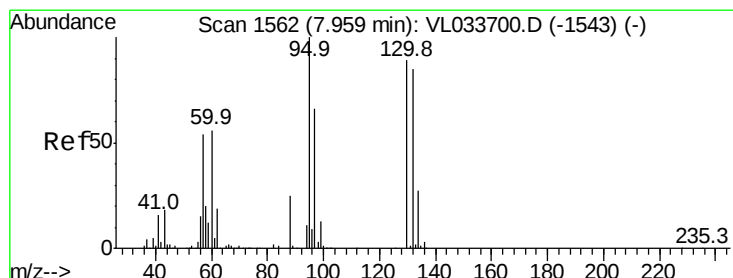
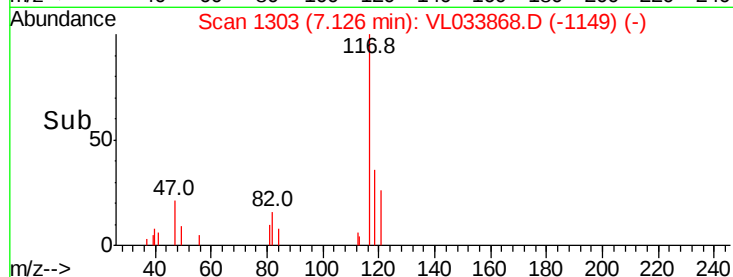
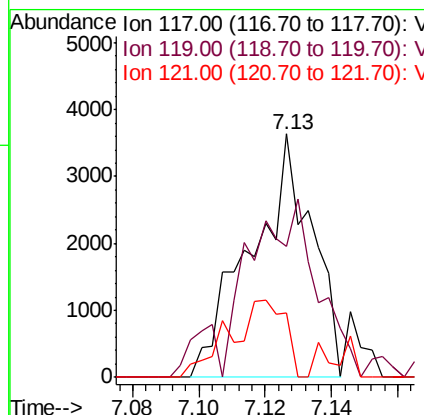
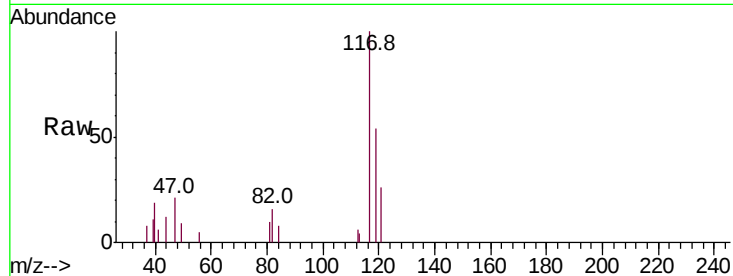
Carbon Tetrachloride
Concen: 0.036 ppbv
RT: 7.13 min Scan# 1303
Delta R.T. -0.01 min
Lab File: VL033868.D
Acq: 30 May 2019 13:09

Instrument :
MSVOA_L
ClientSampleId :
SG-22-20190523-ODL

Tot Ion	Ratio	Lower	Upper
117	100		
119	38.1	77.2	115.8#
121	21.3	24.1	36.1#

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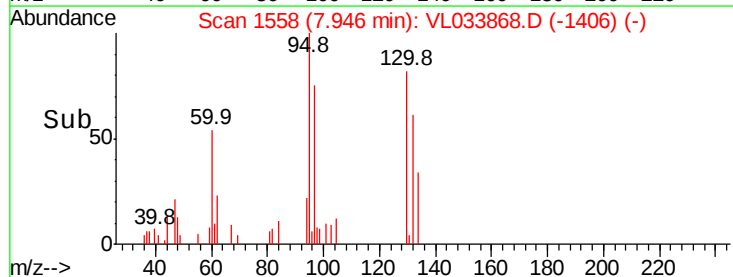
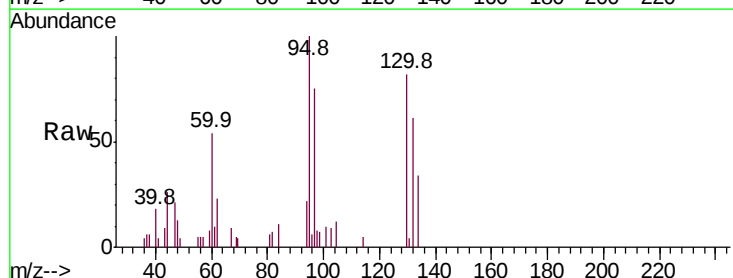
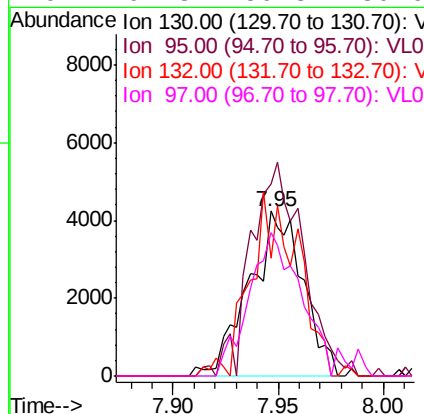
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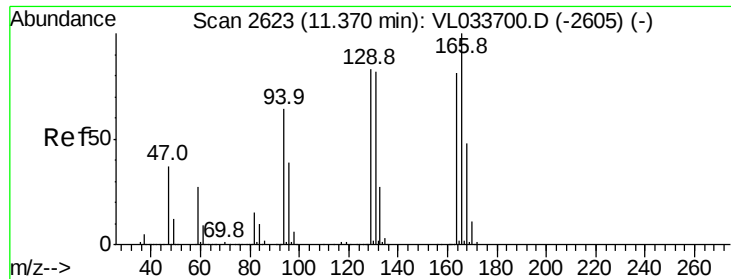


#38

Trichloroethene
Concen: 0.139 ppbv m
RT: 7.95 min Scan# 1558
Delta R.T. -0.01 min
Lab File: VL033868.D
Acq: 30 May 2019 13:09

Tgt Ion	Ratio	Lower	Upper
130	100		
95	122.3	90.2	135.4
132	75.2	76.4	114.6#
97	91.3	59.8	89.6#





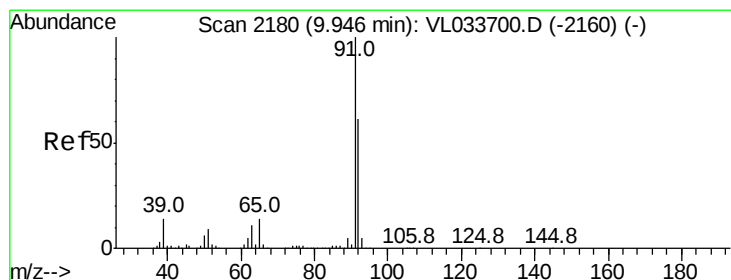
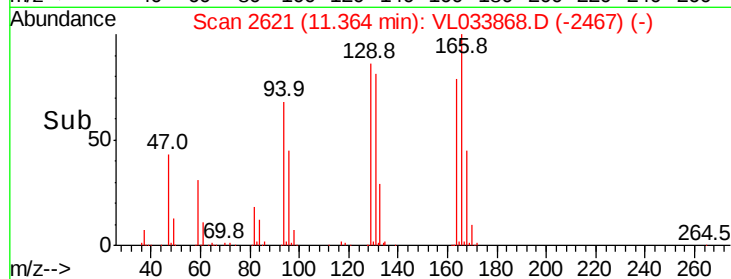
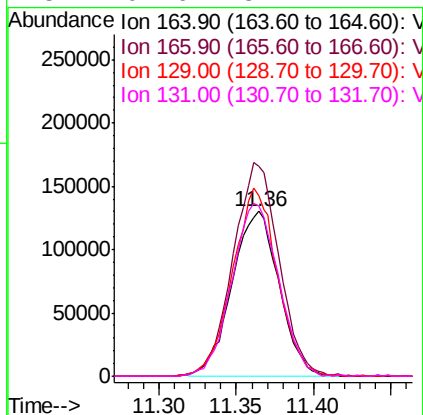
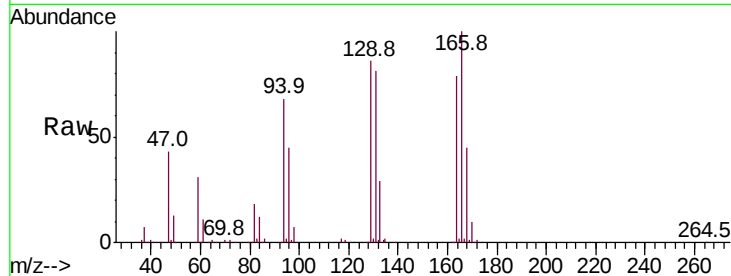
#52
Tetrachloroethene
Concen: 5.339 ppbv
RT: 11.36 min Scan# 2621
Delta R.T. -0.01 min
Lab File: VL033868.D
Acq: 30 May 2019 13:09

Instrument :
MSVOA_L
ClientSampleId :
SG-22-20190523-ODL

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
166	125.7	98.9	148.3	
129	108.7	81.8	122.6	
131	102.6	81.1	121.7	

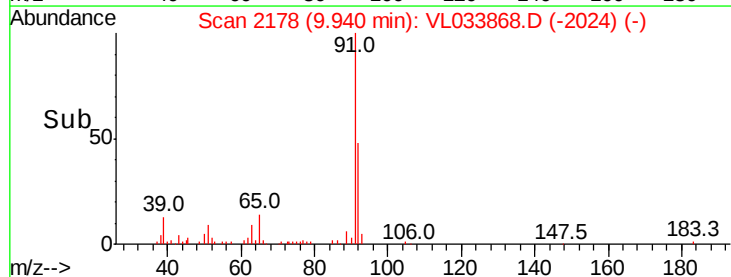
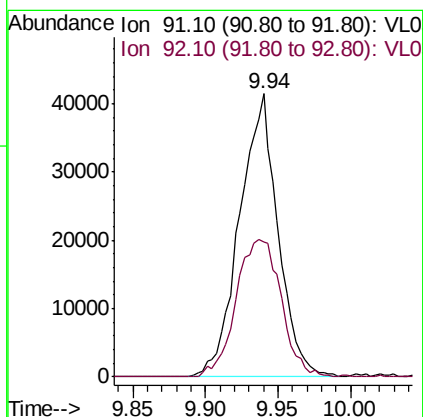
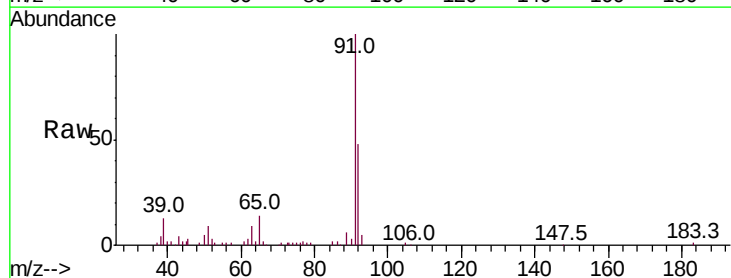
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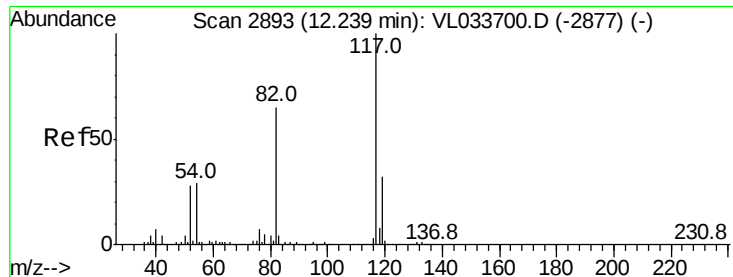
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#53
Toluene
Concen: 0.485 ppbv
RT: 9.94 min Scan# 2178
Delta R.T. -0.01 min
Lab File: VL033868.D
Acq: 30 May 2019 13:09

Tgt Ion	Ratio	Resp	Lower	Upper
91	100			
92	56.9	47.6	71.4	





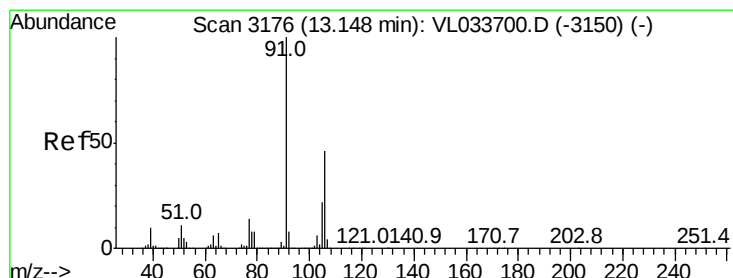
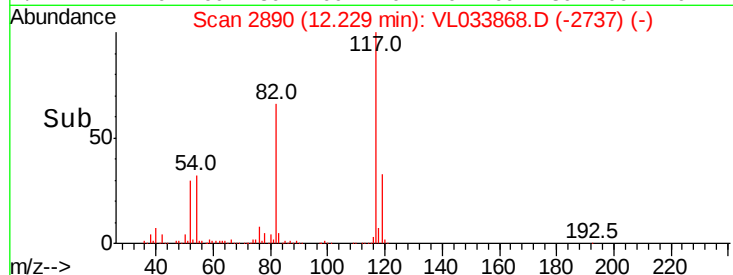
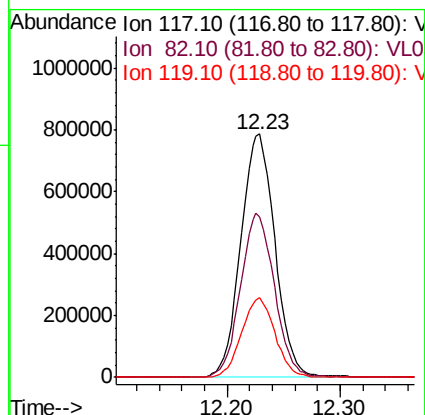
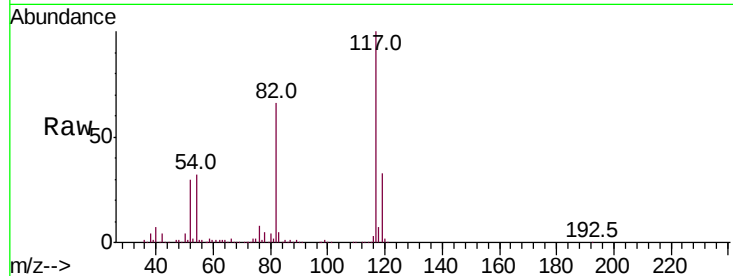
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2890
Delta R.T. -0.01 min
Lab File: VL033868.D
Acq: 30 May 2019 13:09

Instrument :
MSVOA_L
ClientSampleId :
SG-22-20190523-ODL

Tot Ion	Ratio	Lower	Upper
117	100		
82	67.5	49.4	74.0
119	32.2	24.9	37.3

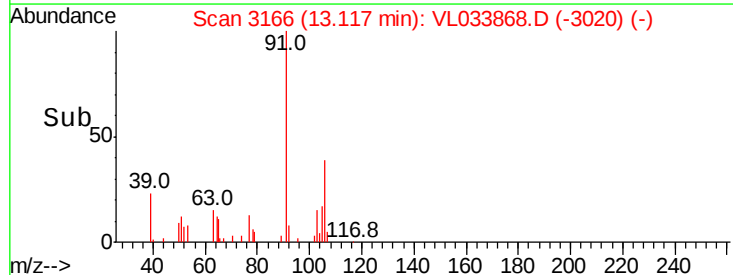
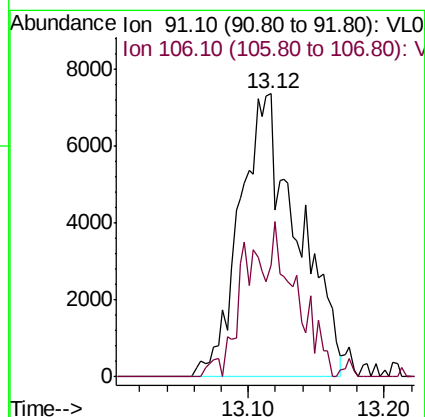
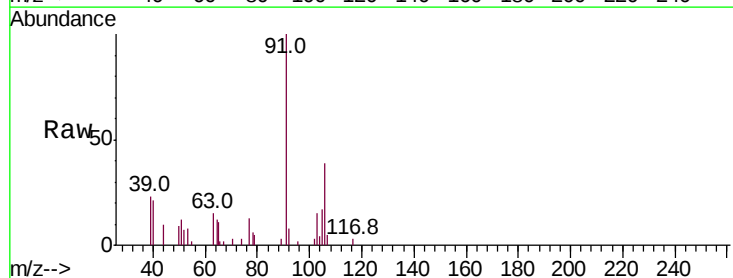
Manual Integrations
APPROVED

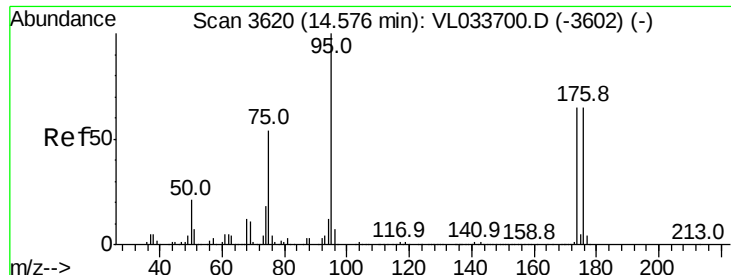
apatel
5/31/2019 12:52:55 PM



#59
m/p-Xylene
Concen: 0.114 ppbv m
RT: 13.12 min Scan# 3166
Delta R.T. -0.03 min
Lab File: VL033868.D
Acq: 30 May 2019 13:09

Tgt Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.8	53.6#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.960 ppbv
 RT: 14.56 min Scan# 3616
 Delta R.T. -0.01 min
 Lab File: VL033868.D
 Acq: 30 May 2019 13:09

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-22-20190523-ODL

Tot Ion: 95 Resp: 1336667
 Ion Ratio Lower Upper
 95 100
 174 66.3 53.9 80.9
 175 4.6 3.8 5.8

Manual Integrations
 APPROVED

apatel
 5/31/2019 12:52:55 PM

