

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052819\
 Data File : VL033833.D
 Acq On : 29 May 2019 11:28
 Operator : SY/AP
 Sample : K2960-04
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3009-55

Manual Integrations
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Quant Time: May 30 01:45:48 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	785618	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	2068092	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	1922264	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.56	95	1581760	10.15	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.07	85	35763	0.216	ppbv	91
3) Chlorodifluoromethane	3.01	51	26071m	0.290	ppbv	
4) Chloromethane	3.17	50	29110	0.566	ppbv	95
9) Propene	3.04	41	17249	0.451	ppbv	83
11) Trichlorofluoromethane	4.00	101	33275	0.211	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.55	101	15868m	0.144	ppbv	
13) Ethanol	3.65	45	69602	5.626	ppbv	98
15) Acetone	3.90	43	436448	4.004	ppbv	98
19) Isopropyl Alcohol	4.03	45	95300	1.356	ppbv #	94
20) Methylene Chloride	4.41	84	56955	1.357	ppbv	95
26) Hexane	5.77	57	36327	0.441	ppbv #	52
34) 2-Butanone	5.33	43	26678	0.208	ppbv	99
35) Carbon Tetrachloride	7.12	117	9851m	0.059	ppbv	
53) Toluene	9.94	91	188578	0.929	ppbv	98

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

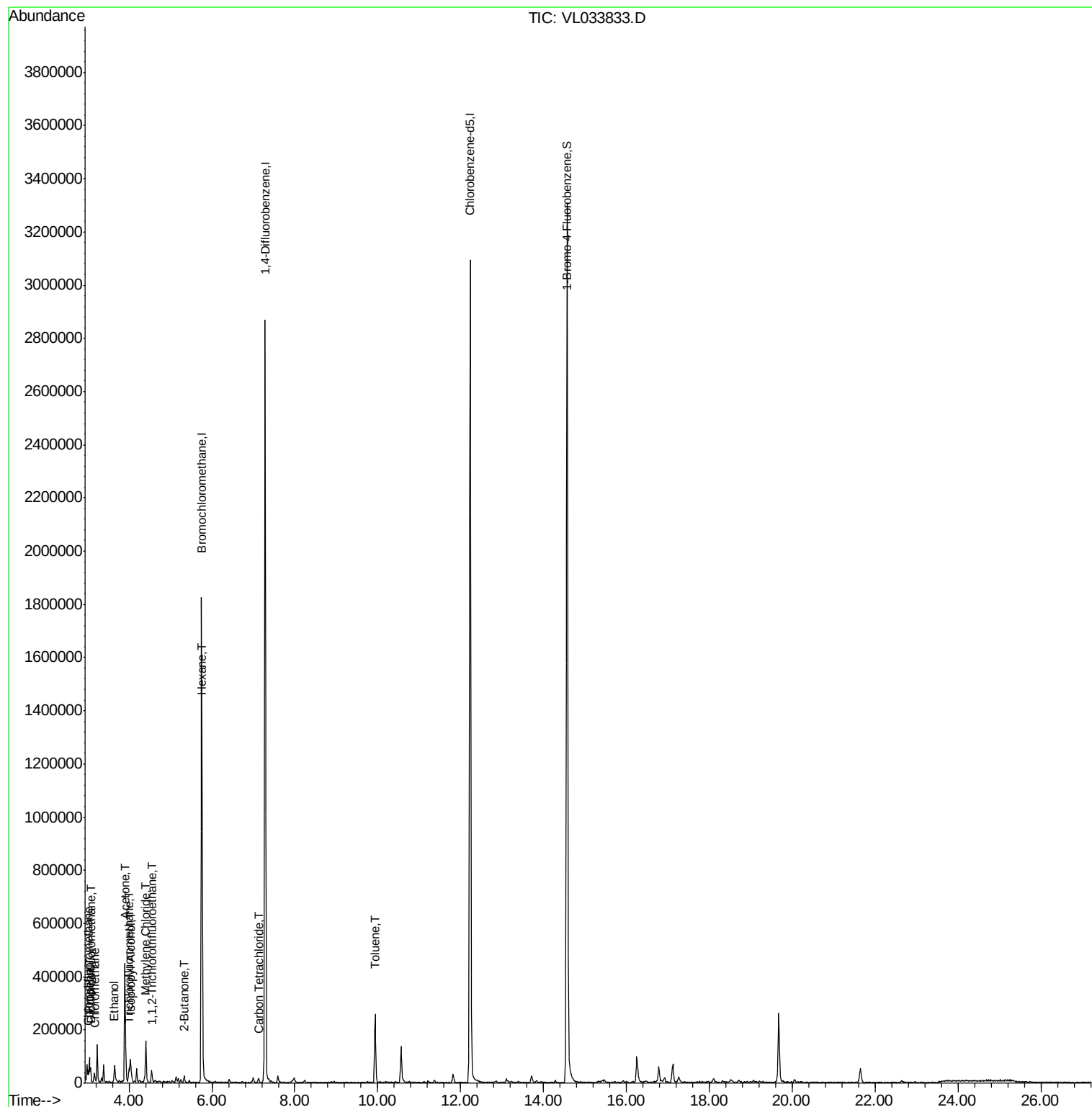
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL052819\
Data File : VL033833.D
Acq On : 29 May 2019 11:28
Operator : SY/AP
Sample : K2960-04
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

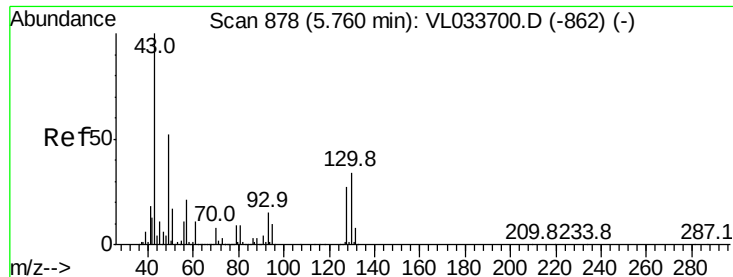
Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3009-55

Manual Integrations
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Quant Time: May 30 01:45:48 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# 876

Delta R.T. -0.01 min

Lab File: VL033833.D

Acq: 29 May 2019 11:28

Instrument :

MSVOA_L

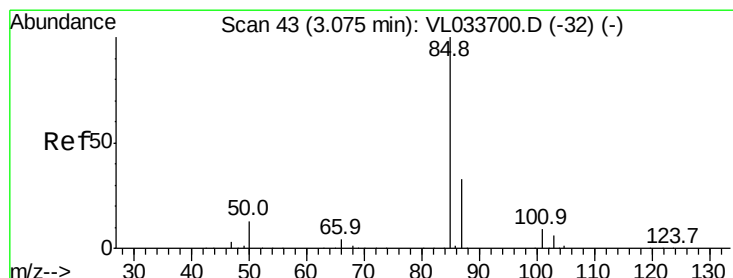
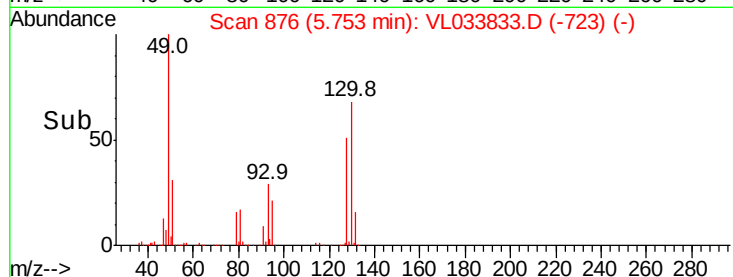
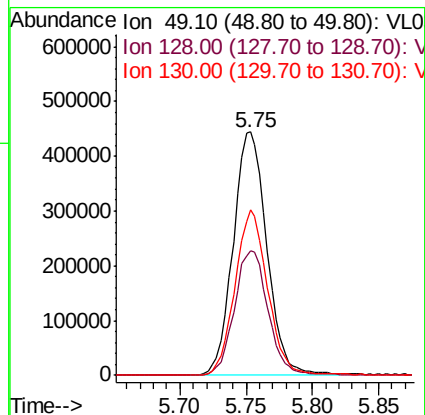
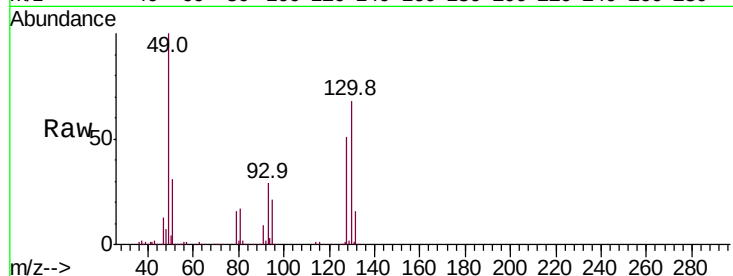
ClientSampleId :

BPS1-SG-3009-55

Tot Ion:	49	Resp:	785618
Ion Ratio	Lower	Upper	
49	100		
128	51.5	25.2	75.6
130	66.1	32.5	97.5

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#2

Dichlorodifluoromethane

Concen: 0.216 ppbv

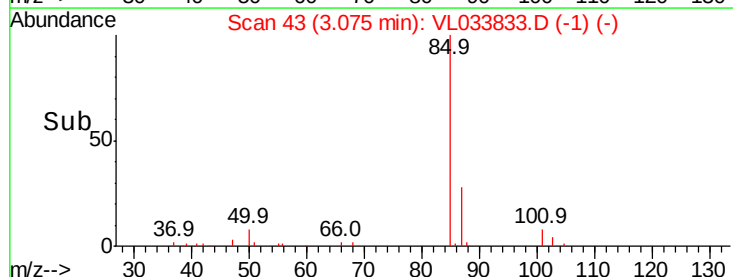
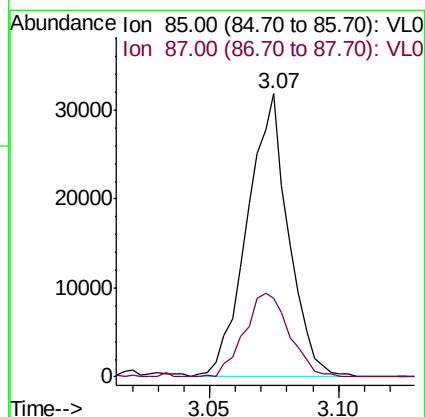
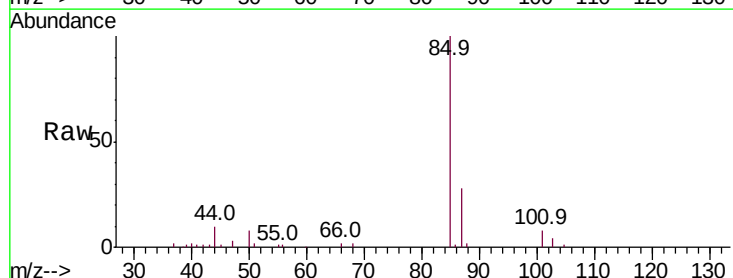
RT: 3.07 min Scan# 43

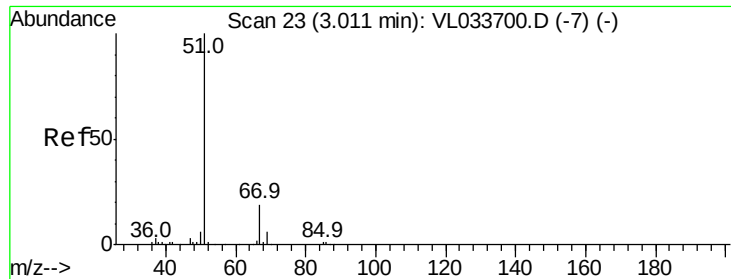
Delta R.T. -0.00 min

Lab File: VL033833.D

Acq: 29 May 2019 11:28

Tgt Ion:	85	Resp:	35763
Ion Ratio	Lower	Upper	
85	100		
87	27.6	26.3	39.5





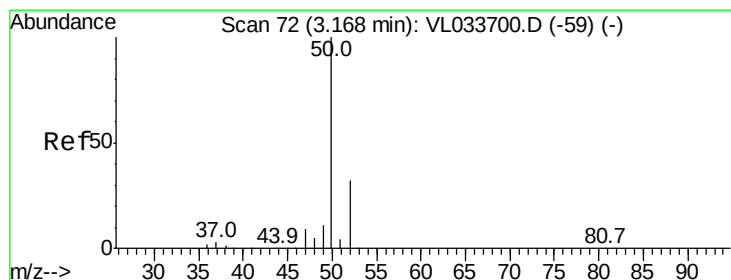
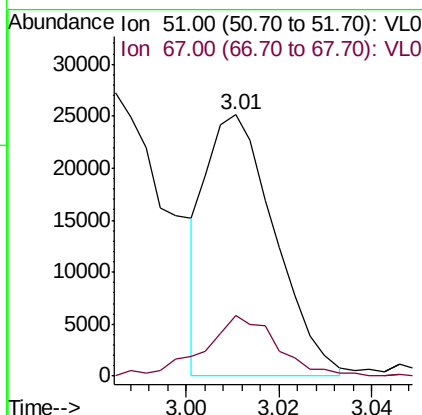
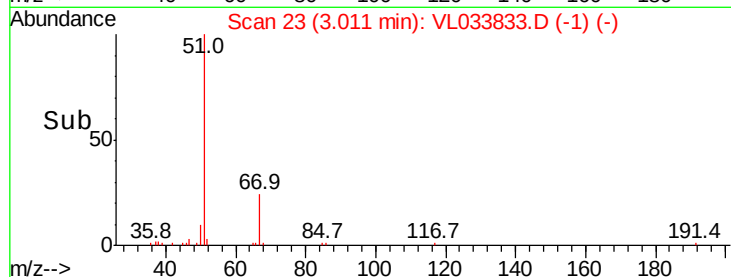
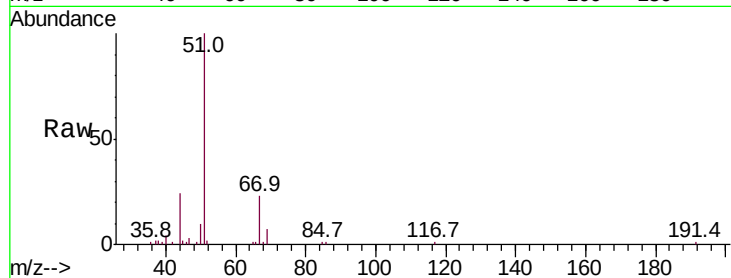
#3
Chlorodifluoromethane
Concen: 0.290 ppbv
RT: 3.01 min Scan# 23
Delta R.T. -0.00 min
Lab File: VL033833.D
Acq: 29 May 2019 11:28

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3009-55

Tot Ion: 51 Resp: 26071
Ion Ratio Lower Upper
51 100
67 24.6 15.6 23.4#

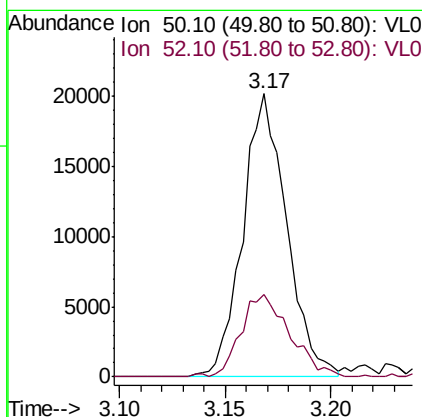
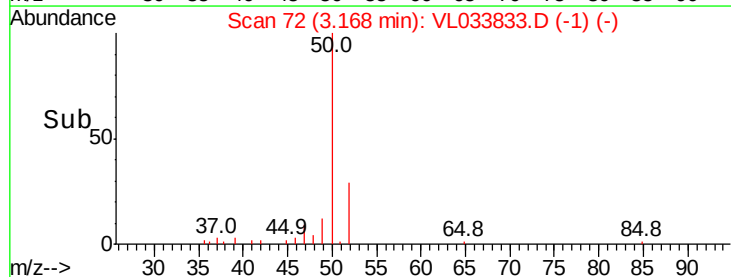
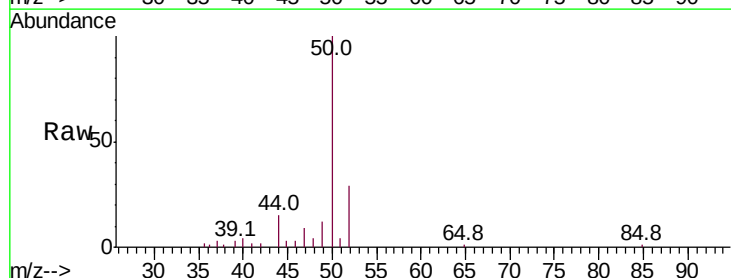
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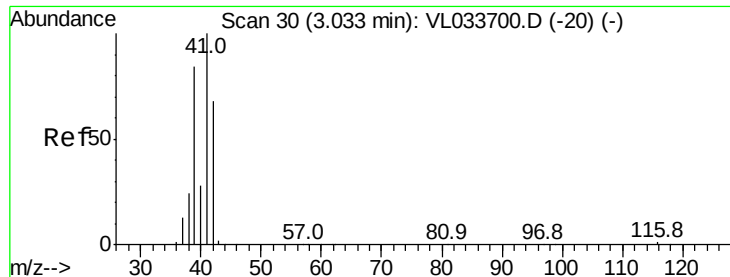
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#4
Chloromethane
Concen: 0.566 ppbv
RT: 3.17 min Scan# 72
Delta R.T. -0.00 min
Lab File: VL033833.D
Acq: 29 May 2019 11:28

Tgt Ion: 50 Resp: 29110
Ion Ratio Lower Upper
50 100
52 29.2 25.7 38.5





#9

Propene

Concen: 0.451 ppbv

RT: 3.04 min Scan# 33

Delta R.T. 0.01 min

Lab File: VL033833.D

Acq: 29 May 2019 11:28

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3009-55

Tot Ion: 41 Resp: 17249

Ion Ratio Lower Upper

41 100

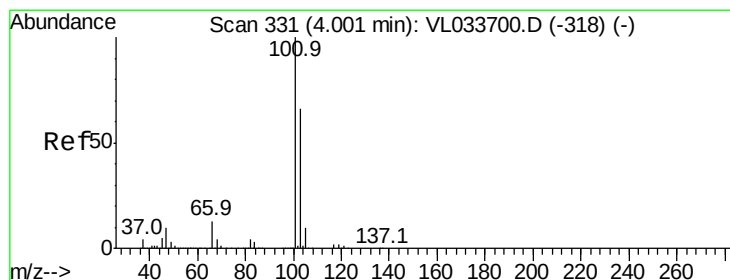
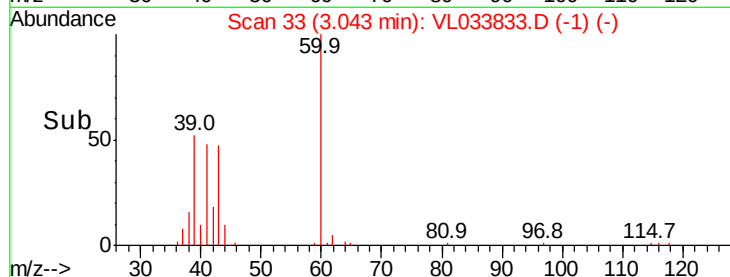
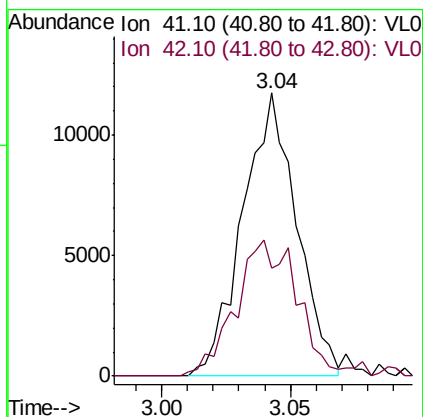
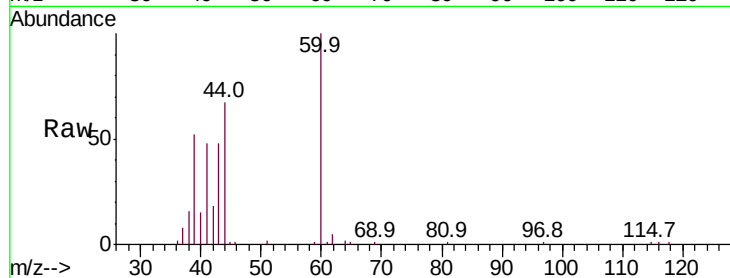
42 56.3 56.1 84.1

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#11

Trichlorofluoromethane

Concen: 0.211 ppbv

RT: 4.00 min Scan# 330

Delta R.T. -0.00 min

Lab File: VL033833.D

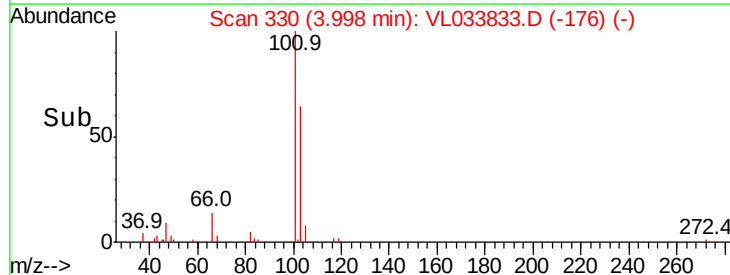
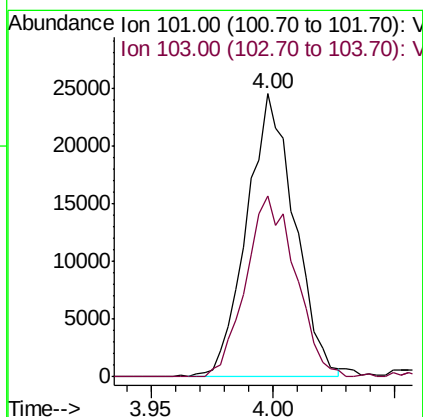
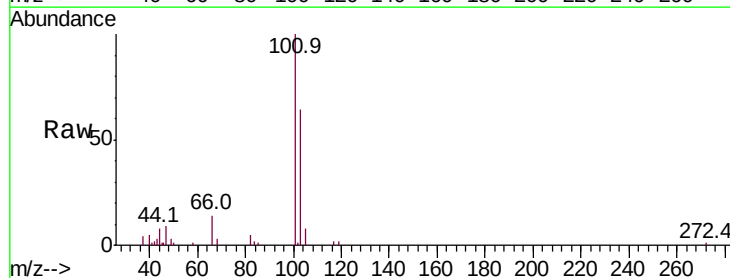
Acq: 29 May 2019 11:28

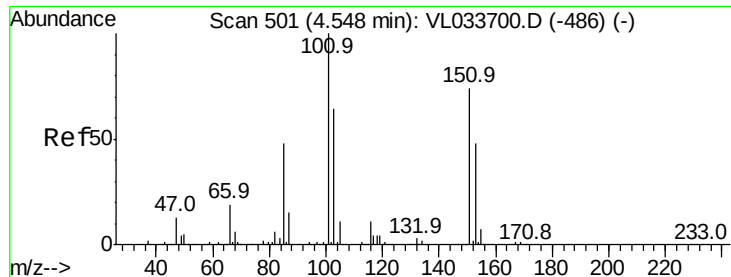
Tgt Ion: 101 Resp: 33275

Ion Ratio Lower Upper

101 100

103 63.7 52.6 78.8





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.144 ppbv

RT: 4.55 min Scan# 502

Delta R.T. 0.00 min

Lab File: VL033833.D

Acq: 29 May 2019 11:28

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3009-55

Tot Ion:101 Resp: 15868

Ion Ratio Lower Upper

101 100

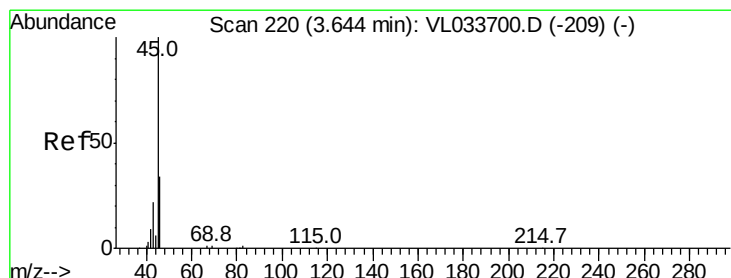
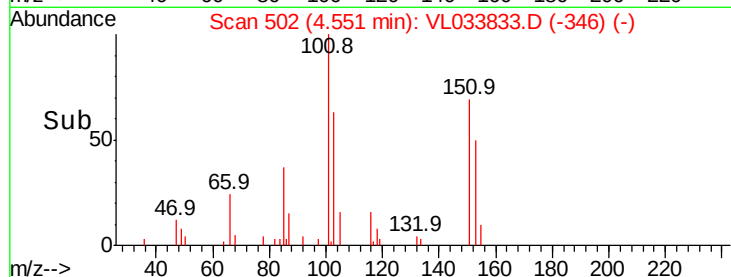
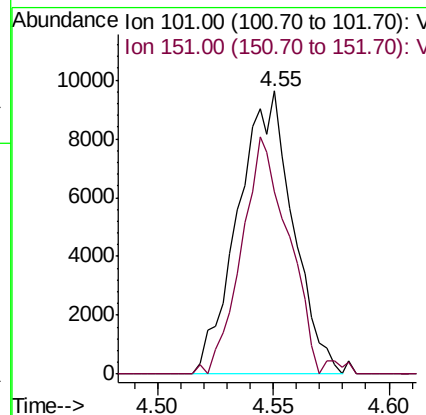
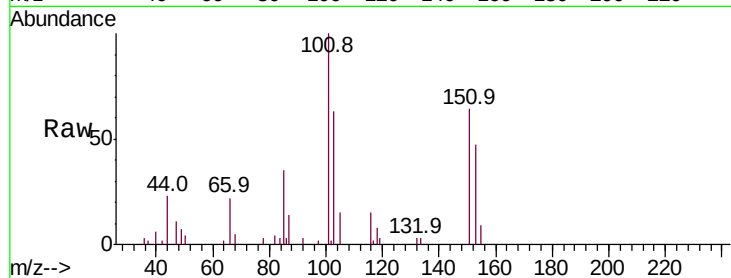
151 73.0 58.2 87.4

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#13

Ethanol

Concen: 5.626 ppbv

RT: 3.65 min Scan# 222

Delta R.T. 0.01 min

Lab File: VL033833.D

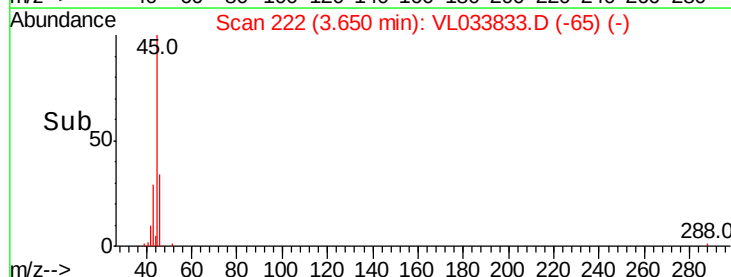
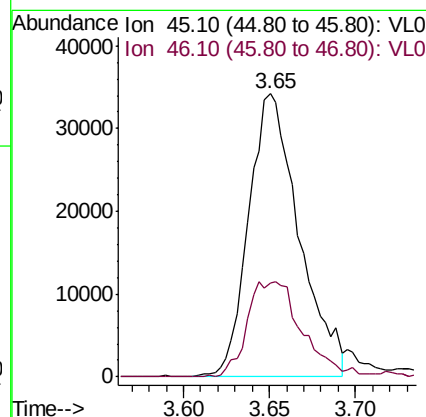
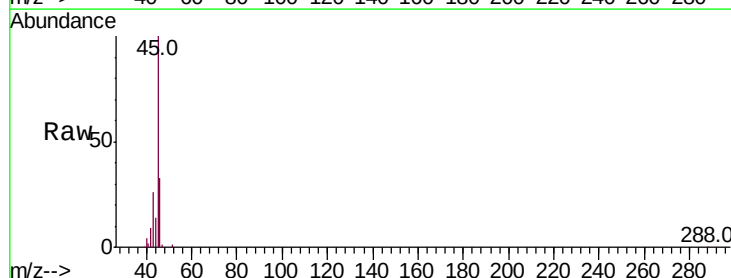
Acq: 29 May 2019 11:28

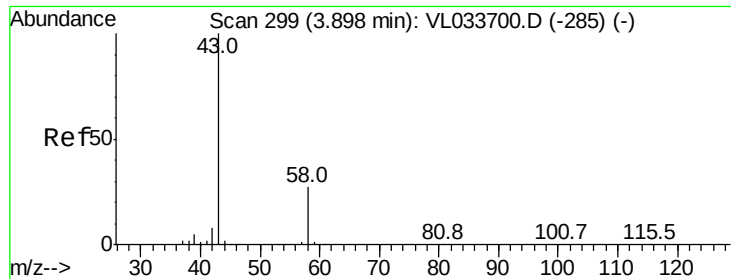
Tgt Ion: 45 Resp: 69602

Ion Ratio Lower Upper

45 100

46 38.0 14.8 59.0





#15

Acetone

Concen: 4.004 ppbv

RT: 3.90 min Scan# 299

Delta R.T. -0.00 min

Lab File: VL033833.D

Acq: 29 May 2019 11:28

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3009-55

Tot Ion: 43 Resp: 436448

Ion Ratio Lower Upper

43 100

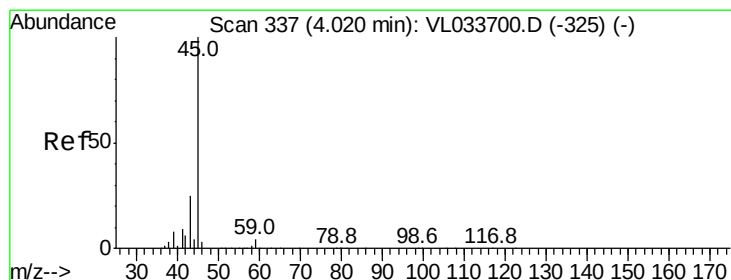
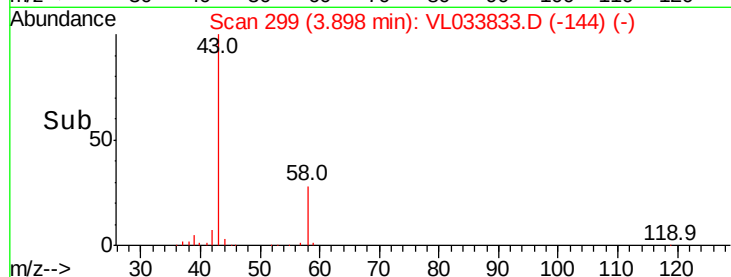
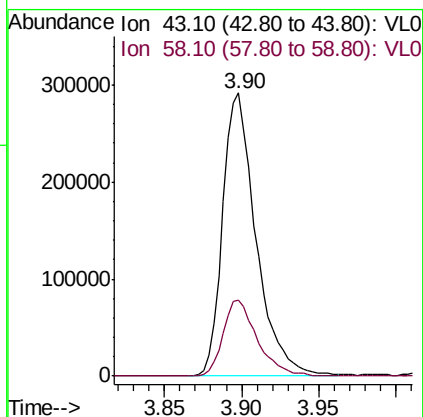
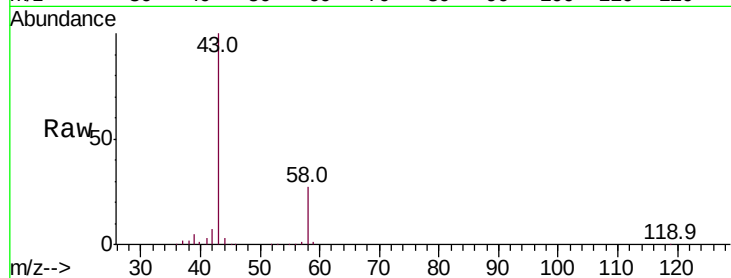
58 27.7 21.3 31.9

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#19

Isopropyl Alcohol

Concen: 1.356 ppbv

RT: 4.03 min Scan# 341

Delta R.T. 0.01 min

Lab File: VL033833.D

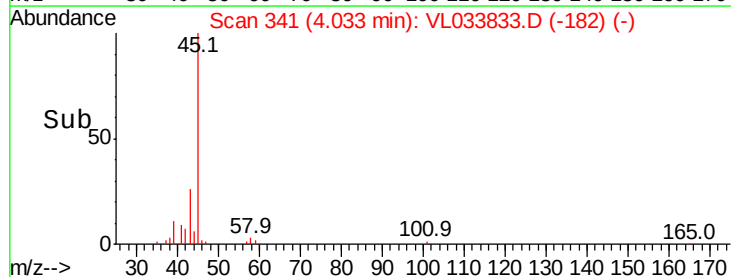
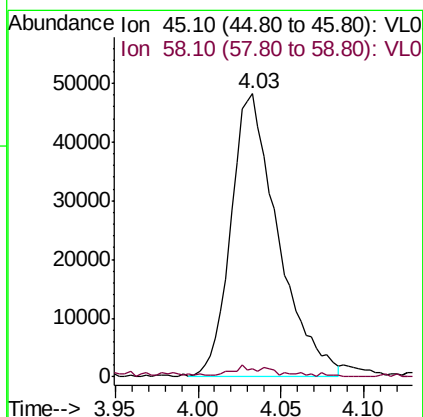
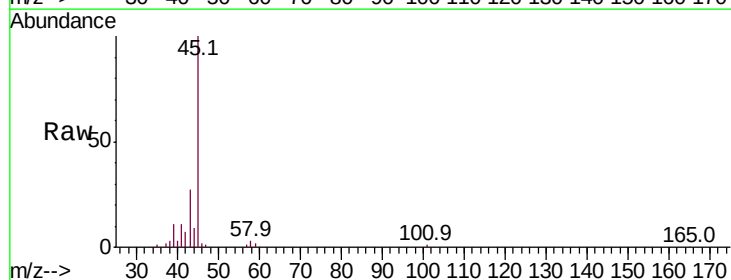
Acq: 29 May 2019 11:28

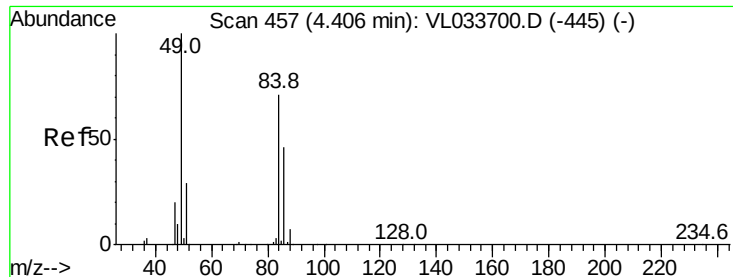
Tgt Ion: 45 Resp: 95300

Ion Ratio Lower Upper

45 100

58 4.2 1.6 2.4#





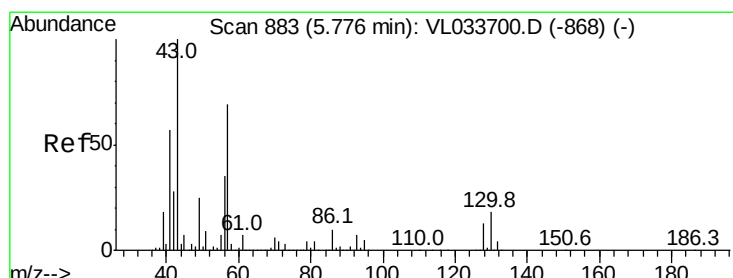
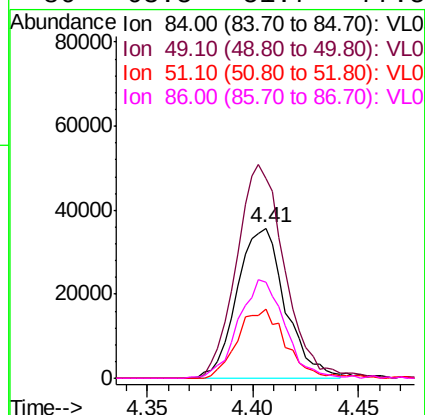
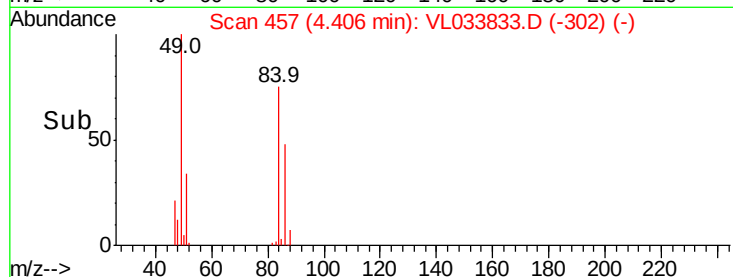
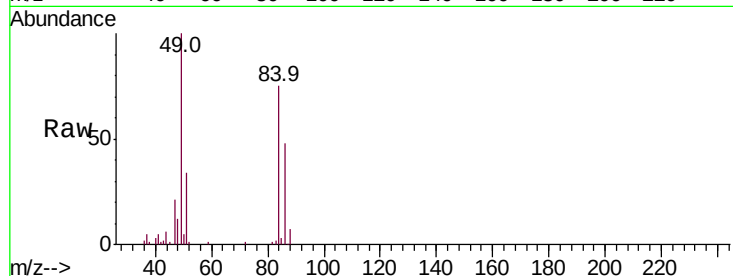
#20
Methylene Chloride
Concen: 1.357 ppbv
RT: 4.41 min Scan# 457
Delta R.T. -0.00 min
Lab File: VL033833.D
Acq: 29 May 2019 11:28

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3009-55

Tot Ion	84	Resp	56955
Ion	Ratio	Lower	Upper
84	100		
49	133.2	112.8	169.2
51	46.9	33.4	50.0
86	63.5	51.7	77.5

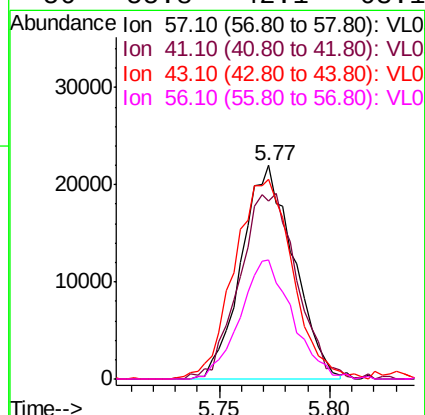
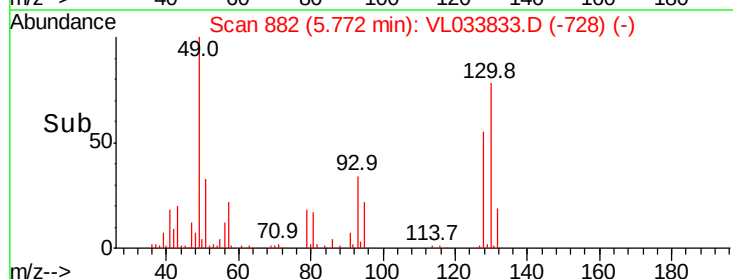
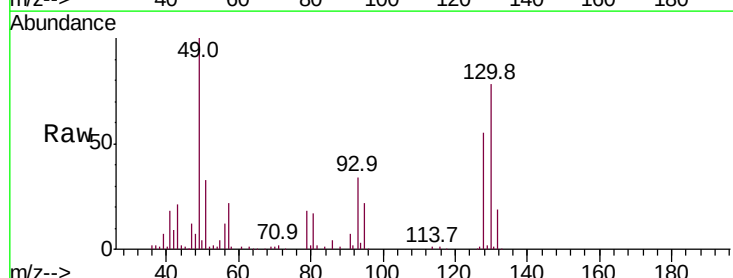
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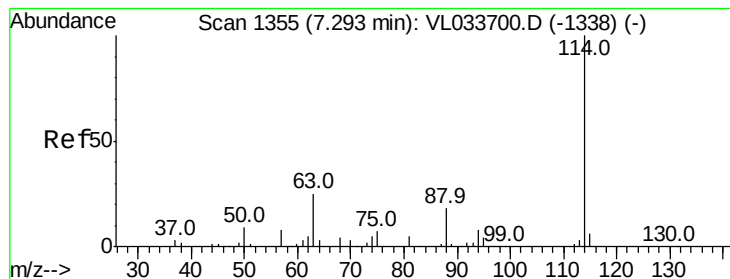
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#26
Hexane
Concen: 0.441 ppbv
RT: 5.77 min Scan# 882
Delta R.T. -0.00 min
Lab File: VL033833.D
Acq: 29 May 2019 11:28

Tgt Ion	57	Resp	36327
Ion	Ratio	Lower	Upper
57	100		
41	95.4	69.8	104.6
43	107.0	181.8	272.6
56	55.8	42.1	63.1





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.28 min Scan# 1352

Delta R.T. -0.01 min

Lab File: VL033833.D

Acq: 29 May 2019 11:28

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3009-55

Tot Ion:114 Resp: 2068092

Ion Ratio Lower Upper

114 100

63 24.9 20.9 31.3

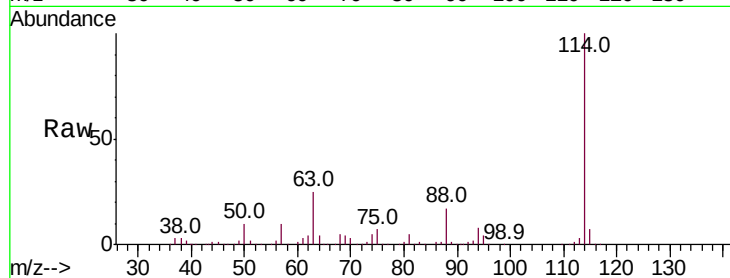
88 17.7 14.3 21.5

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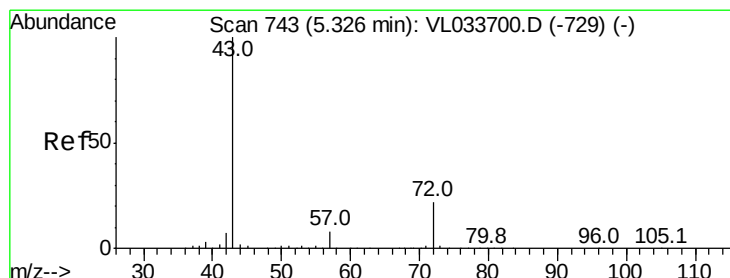
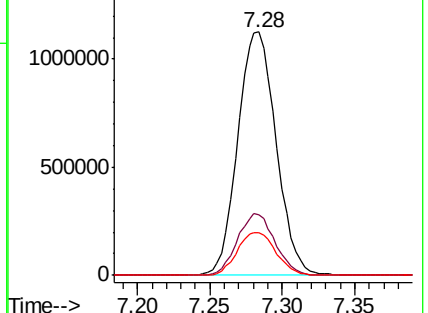
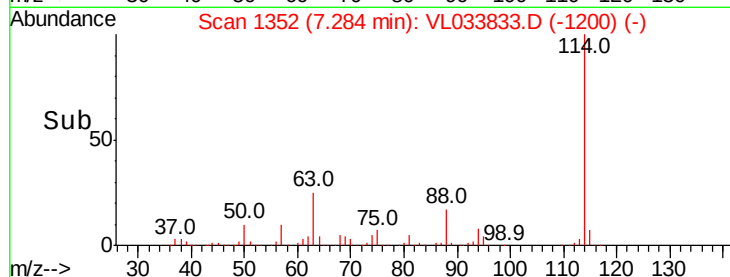
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Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 0.208 ppbv

RT: 5.33 min Scan# 744

Delta R.T. 0.00 min

Lab File: VL033833.D

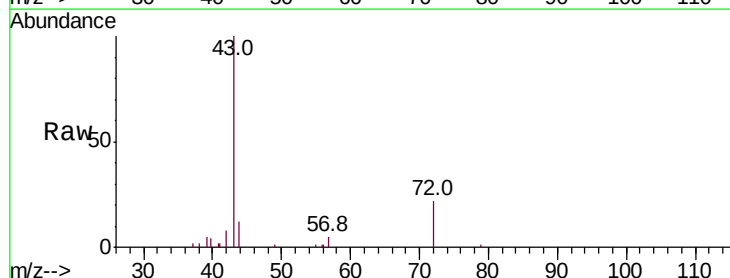
Acq: 29 May 2019 11:28

Tgt Ion: 43 Resp: 26678

Ion Ratio Lower Upper

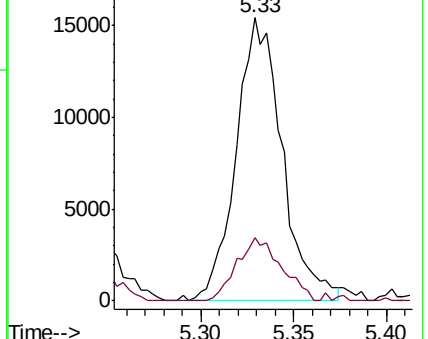
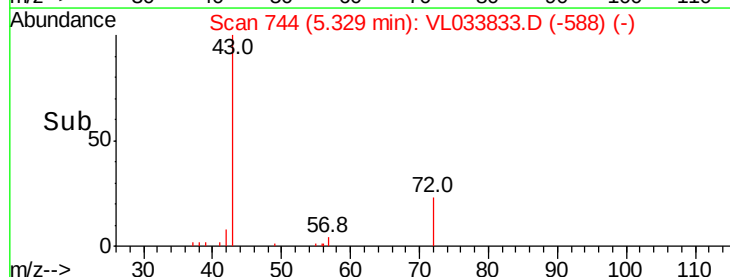
43 100

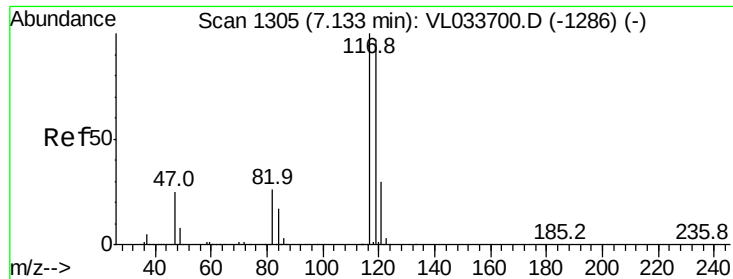
72 21.7 17.8 26.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 0.059 ppbv m

RT: 7.12 min Scan# 1302

Delta R.T. -0.01 min

Lab File: VL033833.D

Acq: 29 May 2019 11:28

Instrument :

MSVOA_L

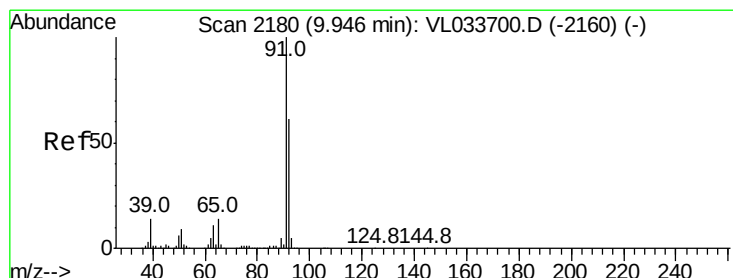
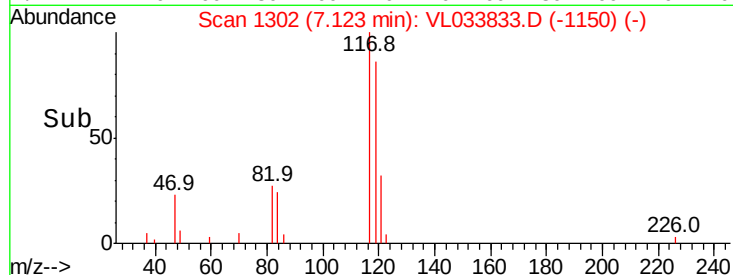
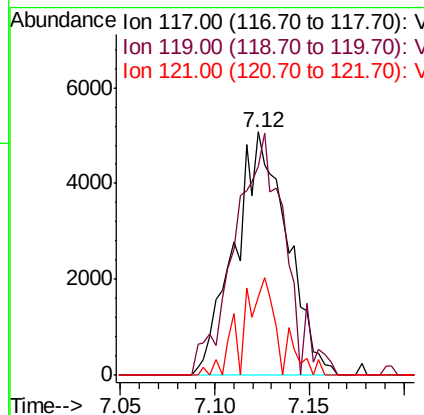
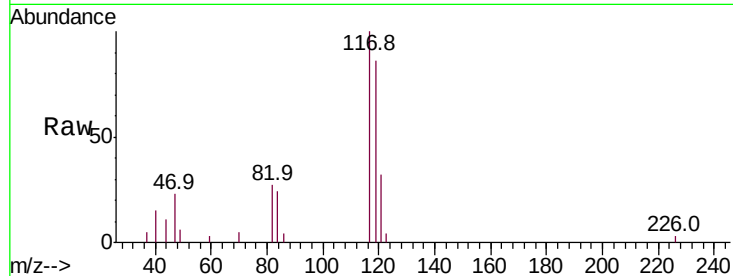
ClientSampleId :

BPS1-SG-3009-55

Tot Ion:	117	Resp:	9851
Ion Ratio	Lower	Upper	
117	100		
119	86.1	77.2	115.8
121	32.2	24.1	36.1

Manual Integrations
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#53

Toluene

Concen: 0.929 ppbv

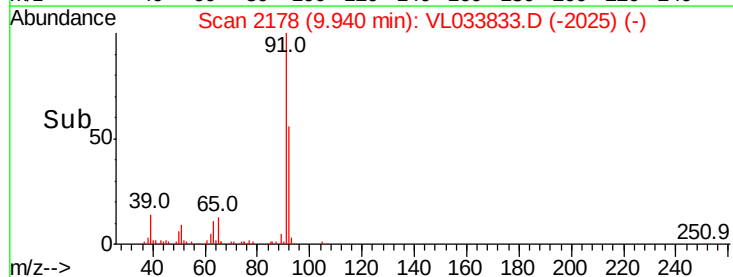
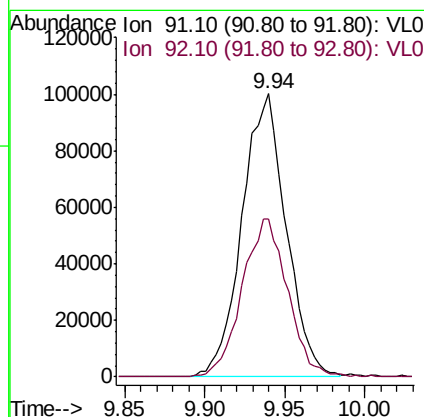
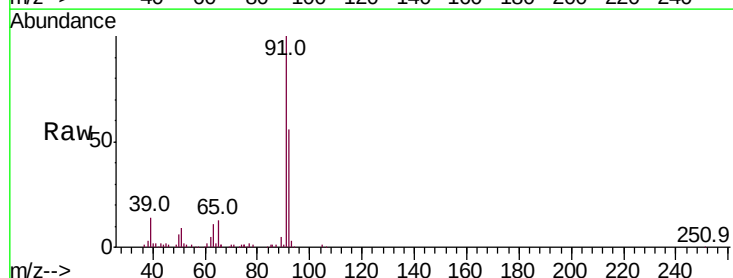
RT: 9.94 min Scan# 2178

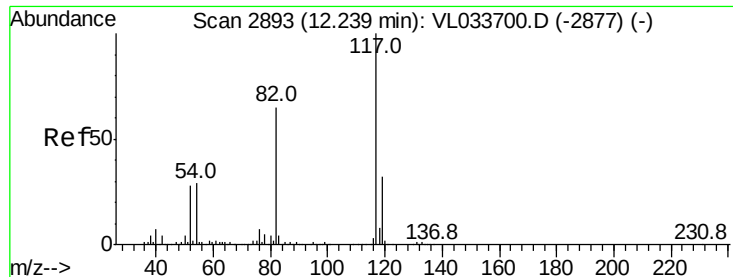
Delta R.T. -0.01 min

Lab File: VL033833.D

Acq: 29 May 2019 11:28

Tgt Ion:	91	Resp:	188578
Ion Ratio	Lower	Upper	
91	100		
92	57.8	47.6	71.4





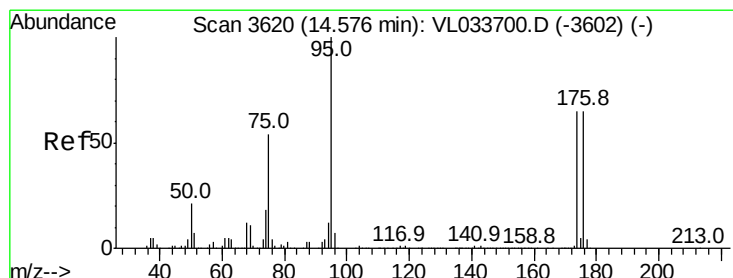
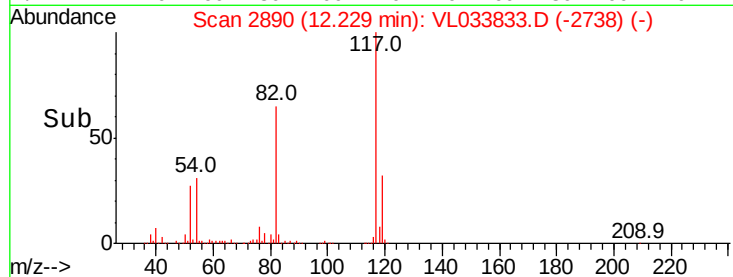
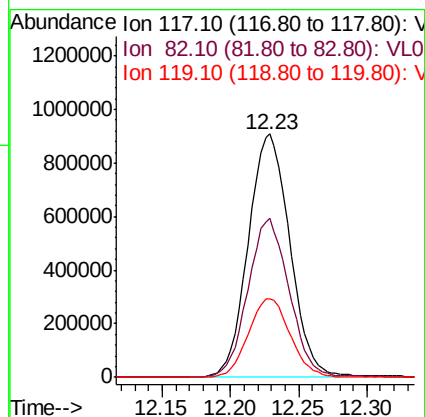
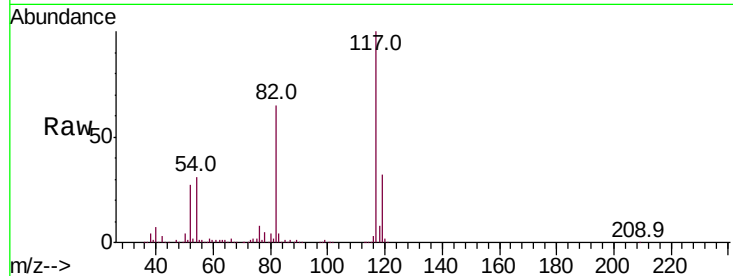
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2890
Delta R.T. -0.01 min
Lab File: VL033833.D
Acq: 29 May 2019 11:28

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3009-55

Tot Ion	Ratio	Lower	Upper
117	100		
82	65.3	49.4	74.0
119	32.8	24.9	37.3

Manual Integrations
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#68
1-Bromo-4-Fluorobenzene
Concen: 10.150 ppbv
RT: 14.56 min Scan# 3616
Delta R.T. -0.01 min
Lab File: VL033833.D
Acq: 29 May 2019 11:28

Tgt Ion	Ratio	Lower	Upper
95	100		
174	68.6	53.9	80.9
175	5.0	3.8	5.8

