

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052819\
 Data File : VL033832.D
 Acq On : 29 May 2019 10:47
 Operator : SY/AP
 Sample : K2960-02DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-DUP02DL

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Quant Time: May 30 01:42:19 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	962429	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	2318479	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	2109987	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.57	95	1783845	10.43	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.04	41	348135	7.424	ppbv	90
10) Heptane	8.24	43	15845	0.119	ppbv	89
11) Trichlorofluoromethane	4.00	101	85199	0.440	ppbv	100
13) Ethanol	3.65	45	35971m	2.373	ppbv	
15) Acetone	3.89	43	1958526	14.667	ppbv	97
17) tert-Butyl alcohol	4.38	59	17870	0.165	ppbv #	92
20) Methylene Chloride	4.41	84	12289	0.239	ppbv #	80
26) Hexane	5.78	57	40017	0.397	ppbv #	40
27) Carbon Disulfide	4.62	76	22365	0.162	ppbv #	76
34) 2-Butanone	5.33	43	149352	1.039	ppbv	99
36) Benzene	7.00	78	33696	0.160	ppbv	94
53) Toluene	9.94	91	164031	0.721	ppbv	98
58) Ethyl Benzene	12.85	91	31558m	0.113	ppbv	
59) m/p-Xylene	13.12	91	115320m	0.472	ppbv	
60) o-Xylene	13.84	91	36613	0.149	ppbv	94
74) 1,2,4-Trimethylbenzene	16.92	105	57038	0.191	ppbv #	74

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

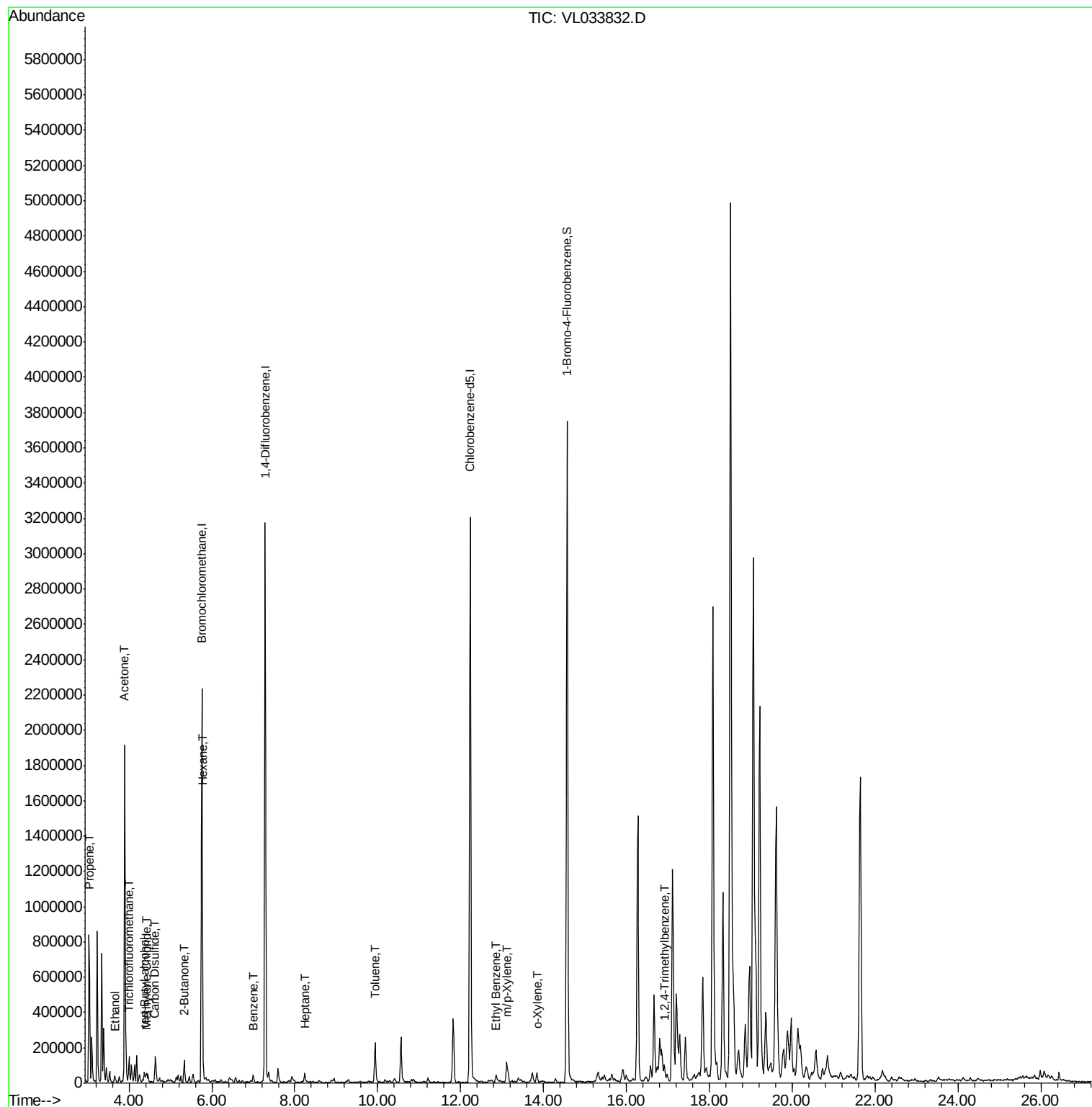
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL052819\
Data File : VL033832.D
Acq On : 29 May 2019 10:47
Operator : SY/AP
Sample : K2960-02DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

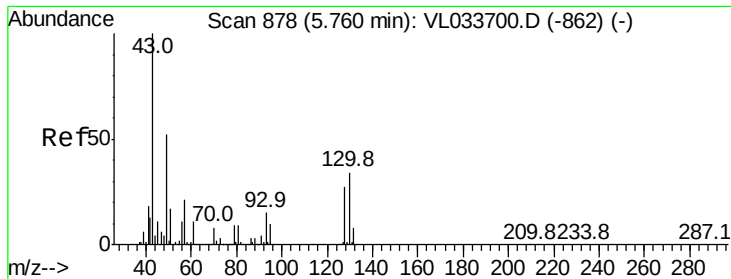
Instrument :
MSVOA_L
ClientSampleId :
BPS1-DUP02DL

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Quant Time: May 30 01:42:19 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: VL033832.D

Acq: 29 May 2019 10:47

Instrument :

MSVOA_L

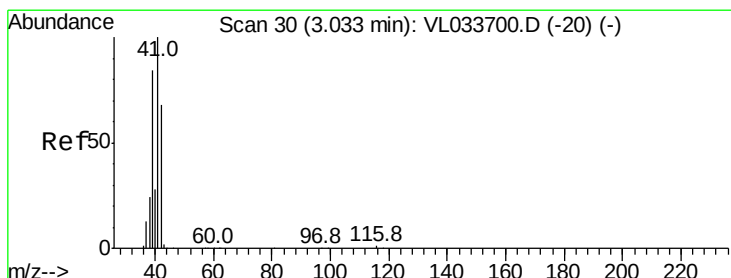
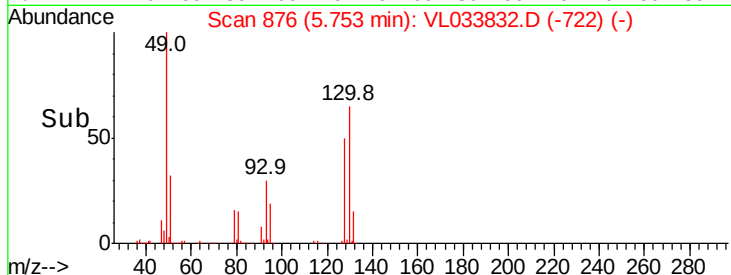
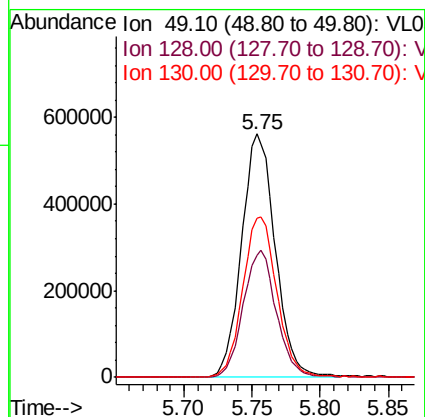
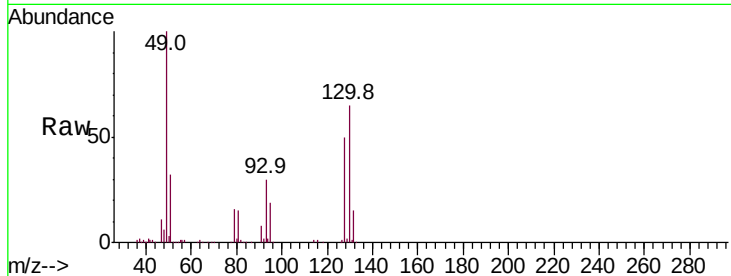
ClientSampleId :

BPS1-DUP02DL

Tot Ion:	49	Resp:	962429
Ion Ratio	Lower	Upper	
49	100		
128	52.0	25.2	75.6
130	67.3	32.5	97.5

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#9

Propene

Concen: 7.424 ppbv

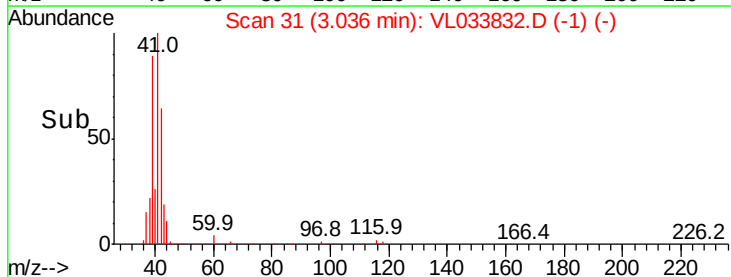
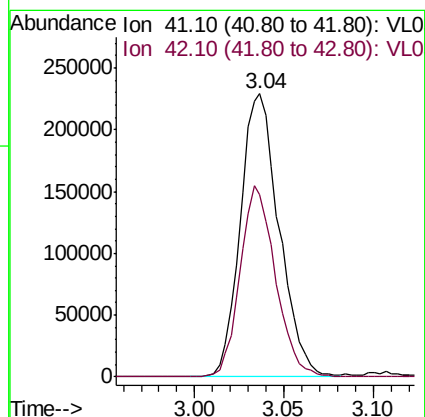
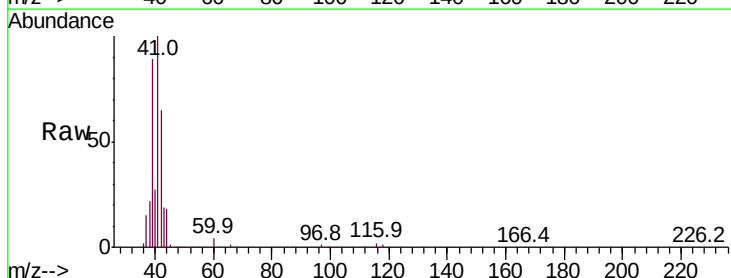
RT: 3.04 min Scan# 31

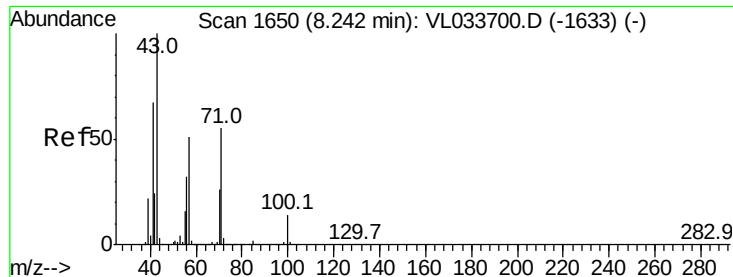
Delta R.T. 0.00 min

Lab File: VL033832.D

Acq: 29 May 2019 10:47

Tgt Ion:	41	Resp:	348135
Ion Ratio	Lower	Upper	
41	100		
42	61.6	56.1	84.1





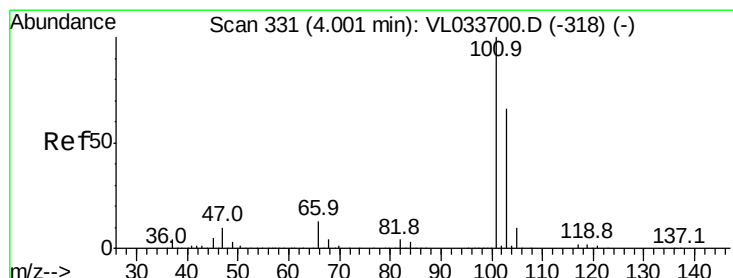
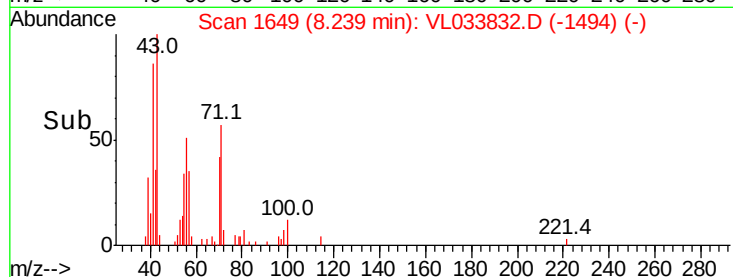
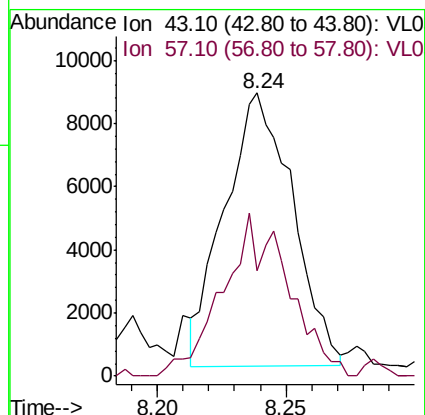
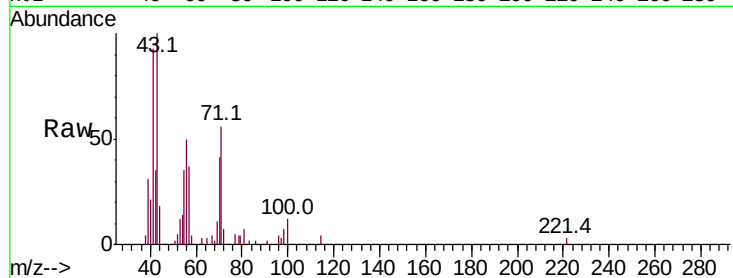
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 Heptane
 Concen: 0.119 ppbv
 RT: 8.24 min Scan# 1649
 Delta R.T. -0.00 min
 Lab File: VL033832.D
 Acq: 29 May 2019 10:47

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-DUP02DL

Tot Ion: 43 Resp: 15845
 Ion Ratio Lower Upper
 43 100
 57 59.3 41.4 62.0

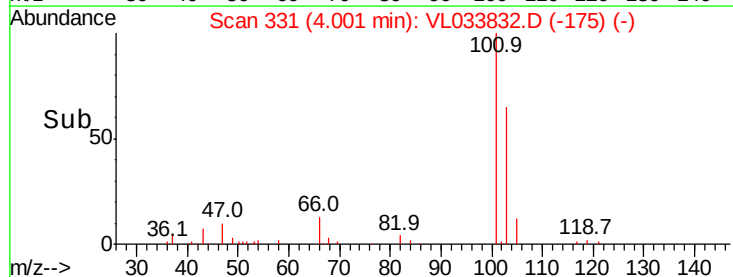
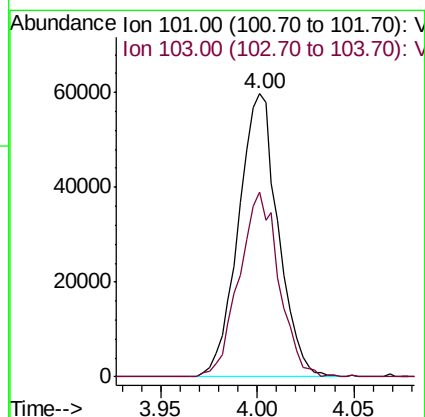
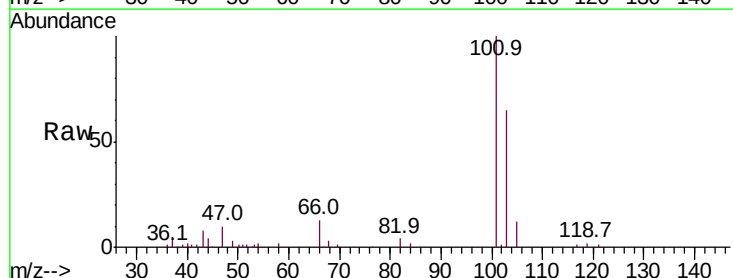
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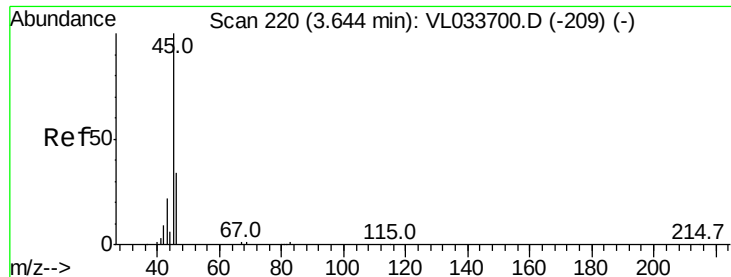
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#11
 Trichlorofluoromethane
 Concen: 0.440 ppbv
 RT: 4.00 min Scan# 331
 Delta R.T. 0.00 min
 Lab File: VL033832.D
 Acq: 29 May 2019 10:47

Tgt Ion: 101 Resp: 85199
 Ion Ratio Lower Upper
 101 100
 103 65.5 52.6 78.8





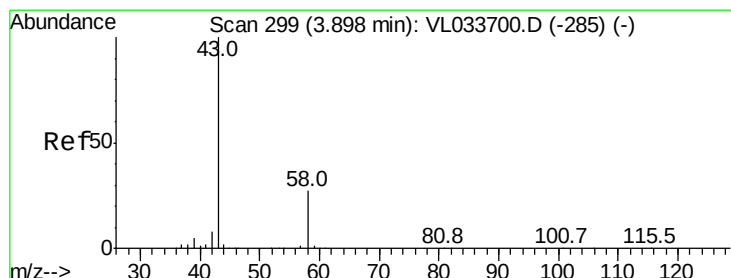
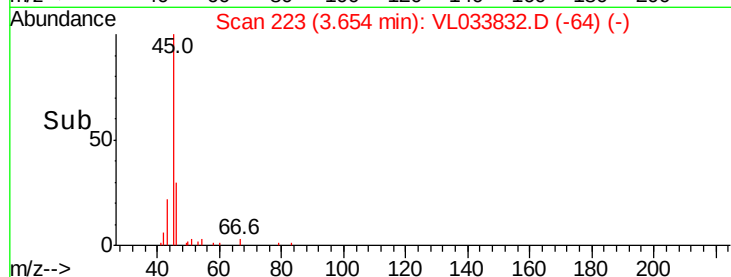
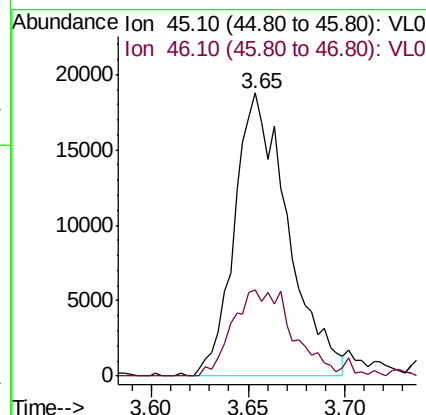
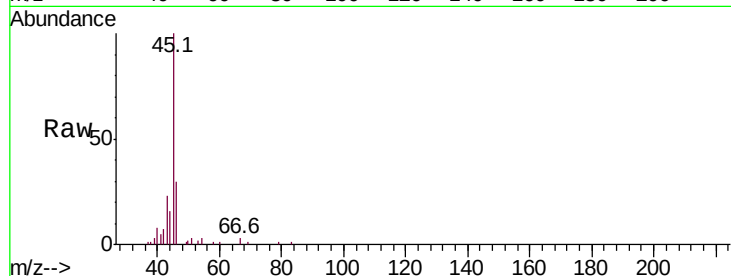
#13
Ethanol
Concen: 2.373 ppbv m
RT: 3.65 min Scan# 223
Delta R.T. 0.01 min
Lab File: VL033832.D
Acq: 29 May 2019 10:47

Instrument :
MSVOA_L
ClientSampleId :
BPS1-DUP02DL

Tot Ion	45	46	Ratio	100	36.3	Resp	35971	Lower	14.8	Upper	59.0
Ion	45	46	Ratio	100	36.3	Resp	35971	Lower	14.8	Upper	59.0

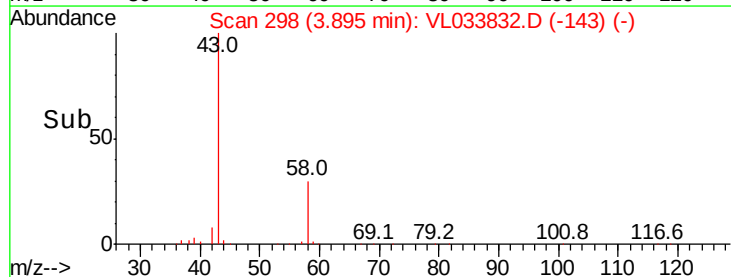
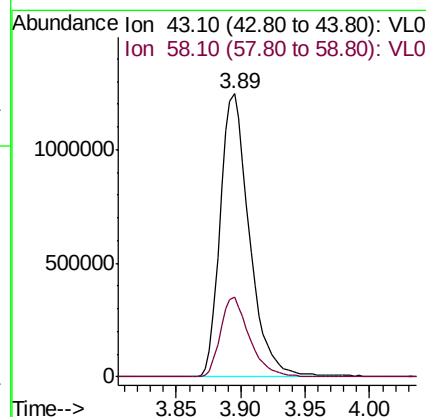
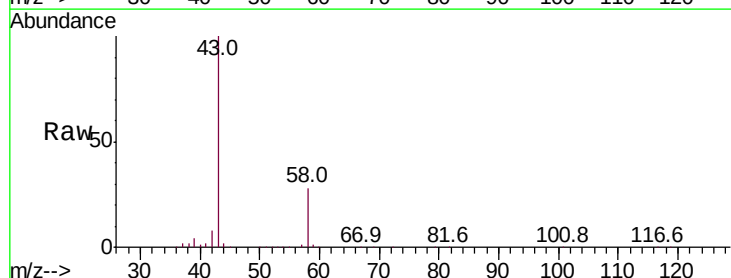
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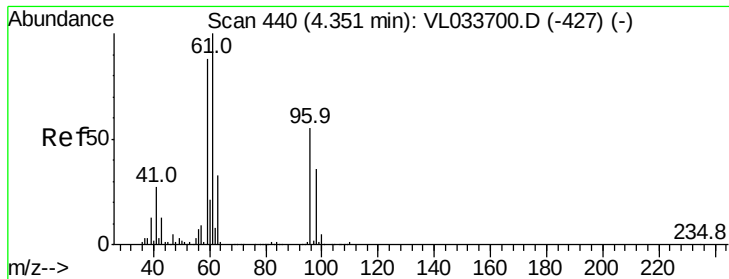
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#15
Acetone
Concen: 14.667 ppbv
RT: 3.89 min Scan# 298
Delta R.T. -0.00 min
Lab File: VL033832.D
Acq: 29 May 2019 10:47

Tgt Ion	43	58	Ratio	100	28.3	Resp	1958526	Lower	21.3	Upper	31.9
Ion	43	58	Ratio	100	28.3	Resp	1958526	Lower	21.3	Upper	31.9





#17

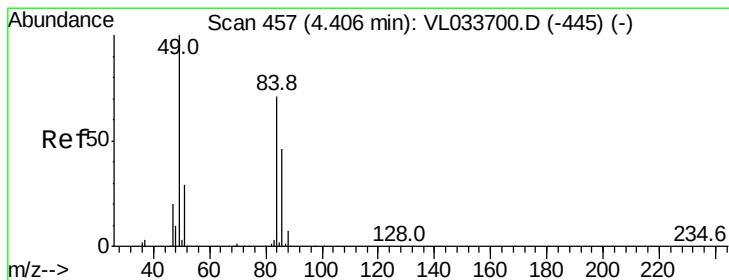
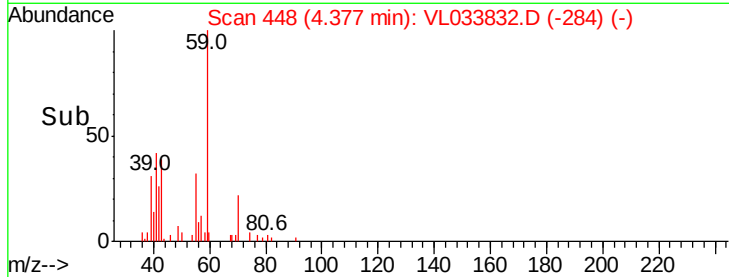
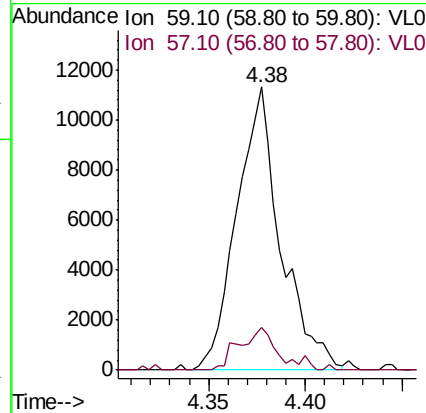
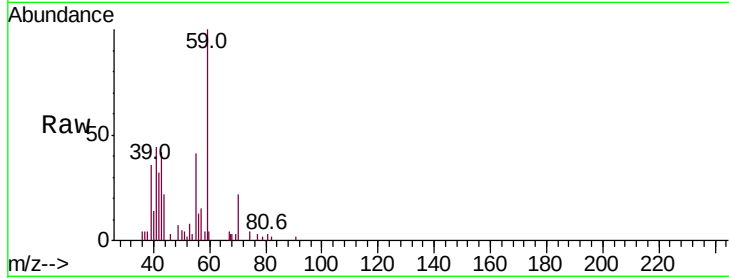
tert-Butyl alcohol
Concen: 0.165 ppbv
RT: 4.38 min Scan# 448
Delta R.T. 0.03 min
Lab File: VL033832.D
Acq: 29 May 2019 10:47

Instrument :
MSVOA_L
ClientSampleId :
BPS1-DUP02DL

Tot Ion: 59 Resp: 17870
Ion Ratio Lower Upper
59 100
57 13.5 8.4 12.6#

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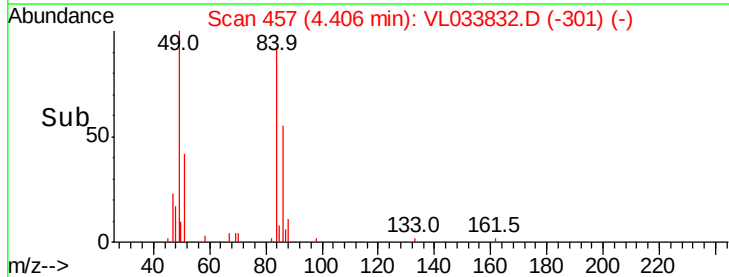
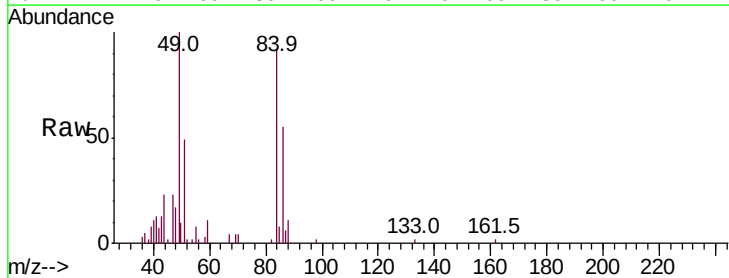
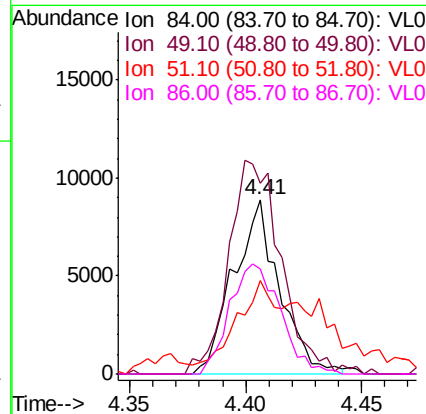
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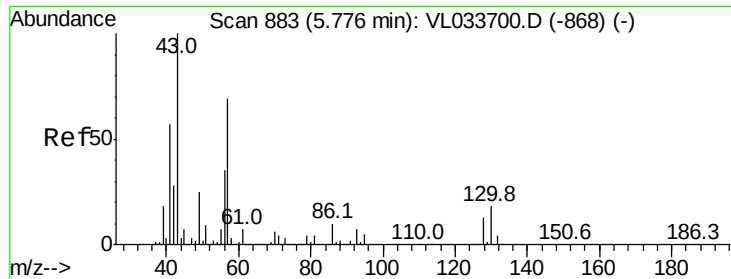


#20

Methylene Chloride
Concen: 0.239 ppbv
RT: 4.41 min Scan# 457
Delta R.T. 0.00 min
Lab File: VL033832.D
Acq: 29 May 2019 10:47

Tgt Ion: 84 Resp: 12289
Ion Ratio Lower Upper
84 100
49 105.1 112.8 169.2#
51 42.5 33.4 50.0
86 55.4 51.7 77.5





#26

Hexane

Concen: 0.397 ppbv

RT: 5.78 min Scan# 883

Delta R.T. 0.00 min

Lab File: VL033832.D

Acq: 29 May 2019 10:47

Instrument :

MSVOA_L

ClientSampleId :

BPS1-DUP02DL

Tot Ion: 57 Resp: 40017

Ion Ratio Lower Upper

57 100

41 110.8 69.8 104.6#

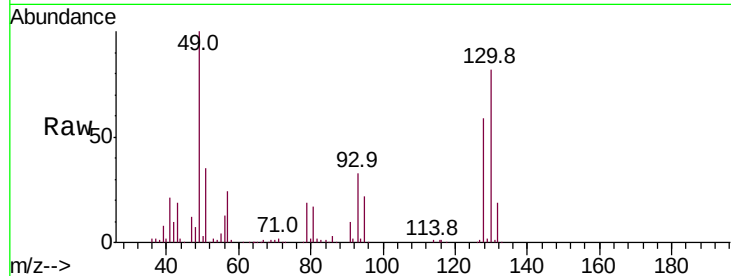
43 88.1 181.8 272.6#

56 61.3 42.1 63.1

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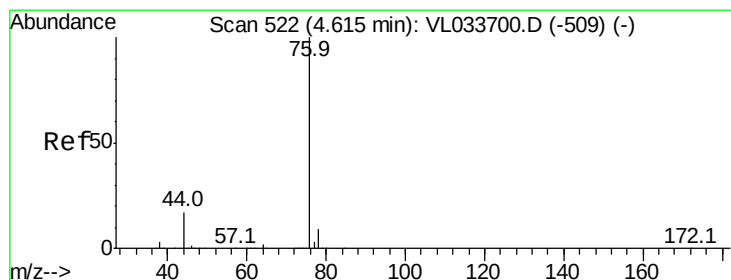
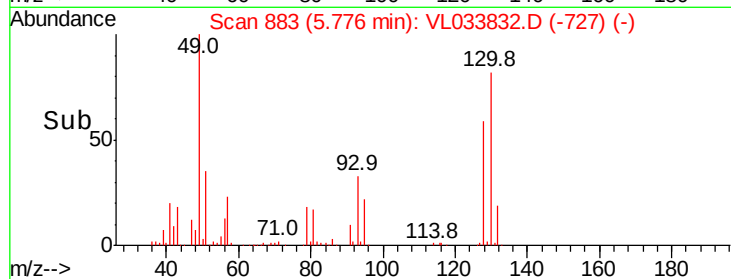
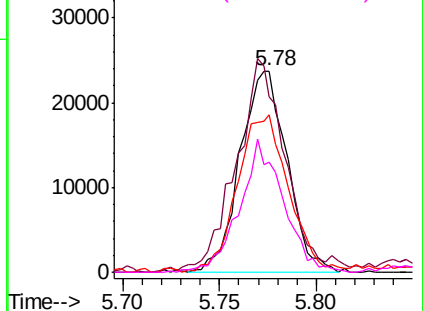


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#27

Carbon Disulfide

Concen: 0.162 ppbv

RT: 4.62 min Scan# 523

Delta R.T. 0.00 min

Lab File: VL033832.D

Acq: 29 May 2019 10:47

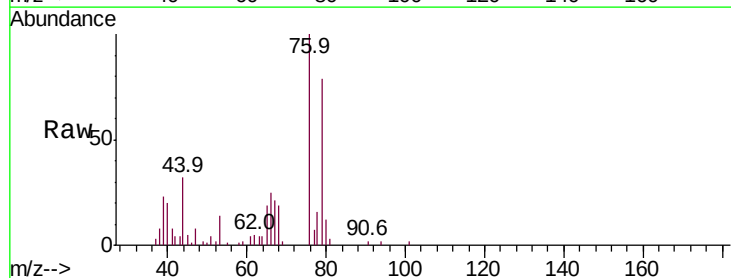
Tgt Ion: 76 Resp: 22365

Ion Ratio Lower Upper

76 100

44 28.9 13.8 20.8#

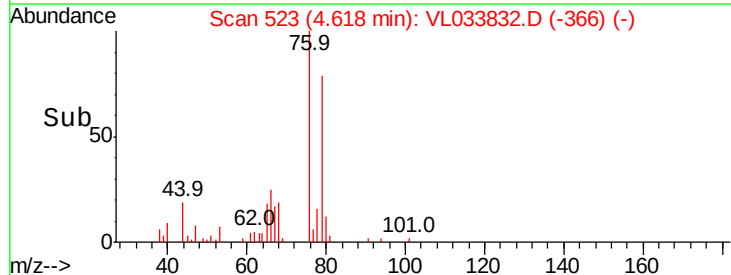
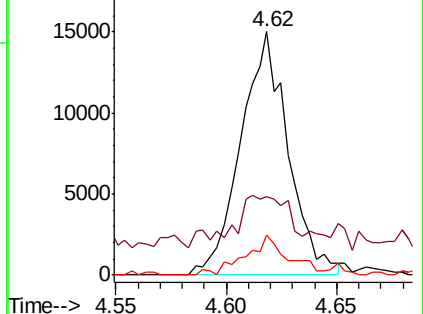
78 16.2 7.4 11.0#

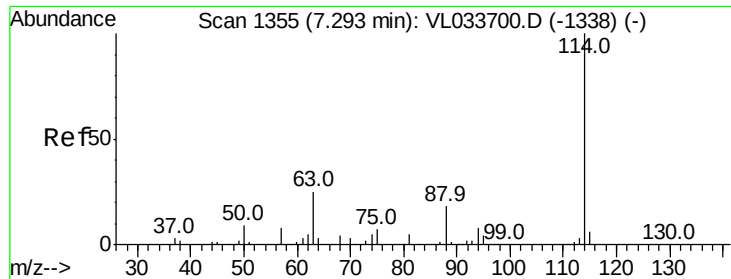


Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0





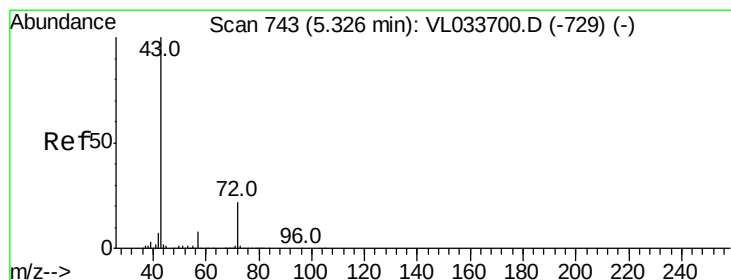
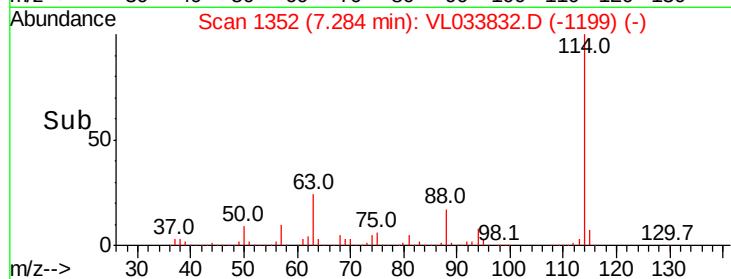
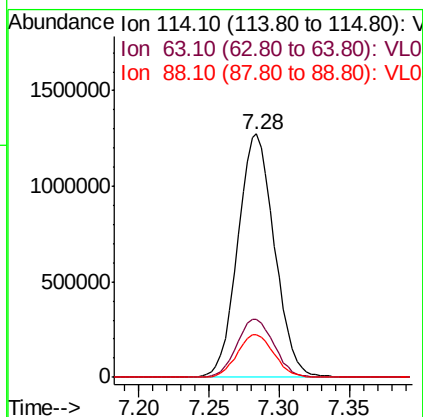
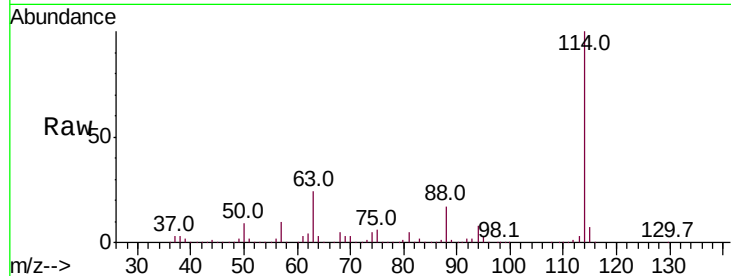
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.28 min Scan# 1352
 Delta R.T. -0.01 min
 Lab File: VL033832.D
 Acq: 29 May 2019 10:47

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-DUP02DL

Tot Ion:114 Resp: 2318479
 Ion Ratio Lower Upper
 114 100
 63 24.5 20.9 31.3
 88 17.7 14.3 21.5

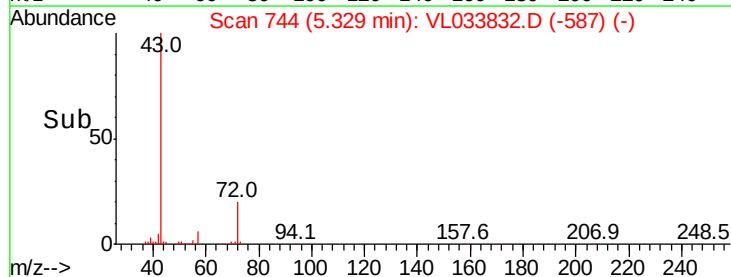
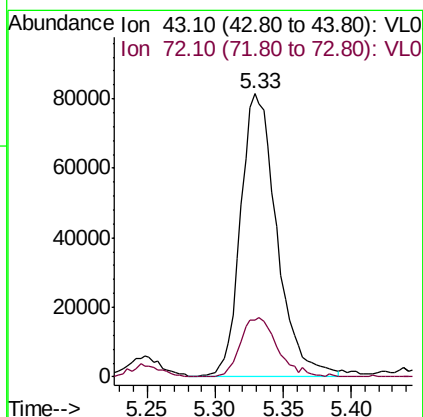
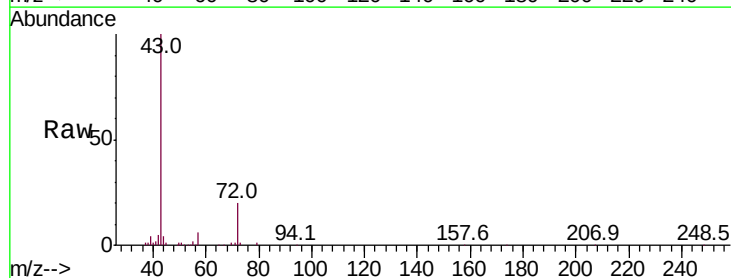
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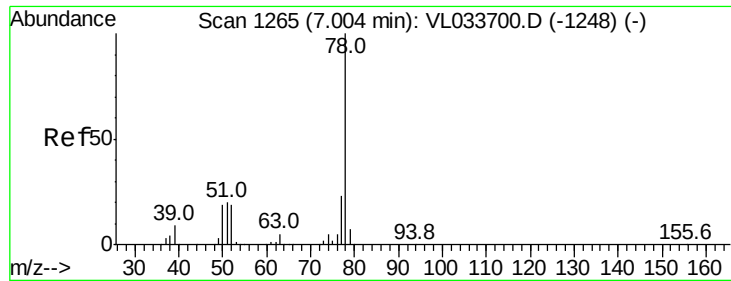
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#34
 2-Butanone
 Concen: 1.039 ppbv
 RT: 5.33 min Scan# 744
 Delta R.T. 0.00 min
 Lab File: VL033832.D
 Acq: 29 May 2019 10:47

Tgt Ion: 43 Resp: 149352
 Ion Ratio Lower Upper
 43 100
 72 21.7 17.8 26.6





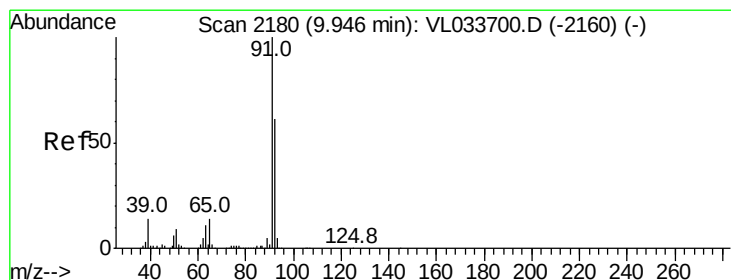
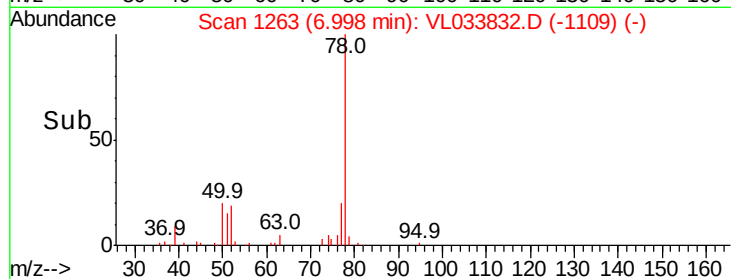
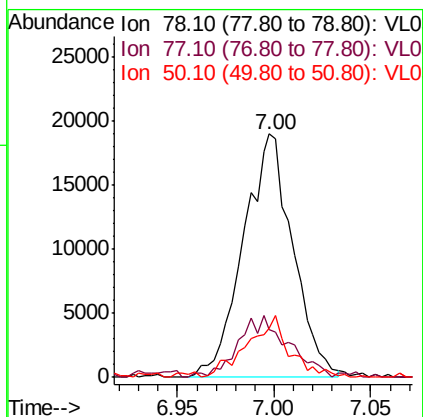
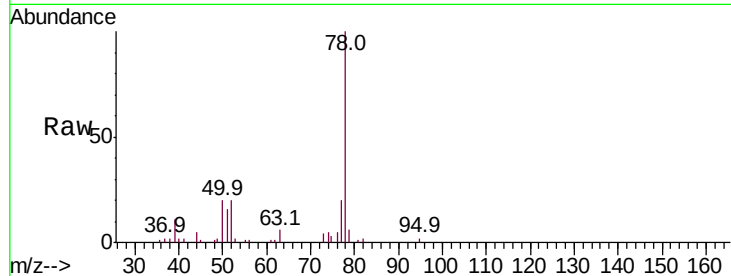
#36
Benzene
Concen: 0.160 ppbv
RT: 7.00 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VL033832.D
Acq: 29 May 2019 10:47

Instrument :
MSVOA_L
ClientSampleId :
BPS1-DUP02DL

Tot Ion	Ratio	Lower	Upper
78	100		
77	18.6	18.4	27.6
50	18.1	15.5	23.3

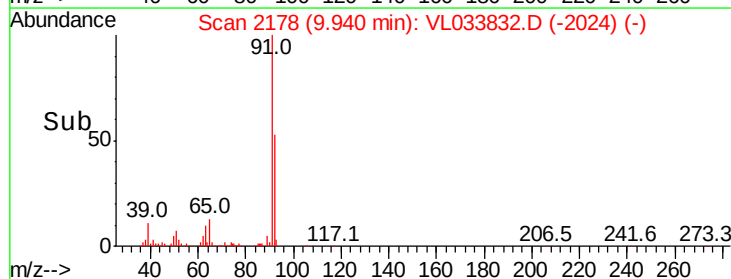
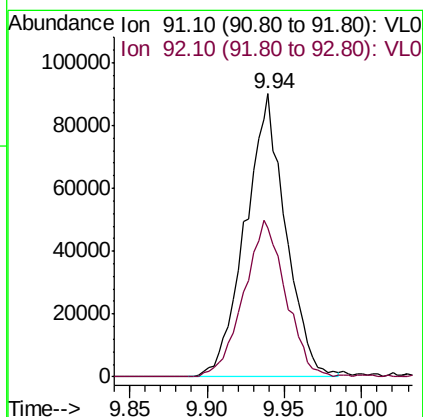
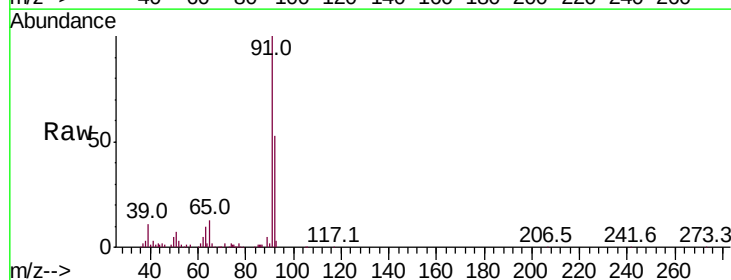
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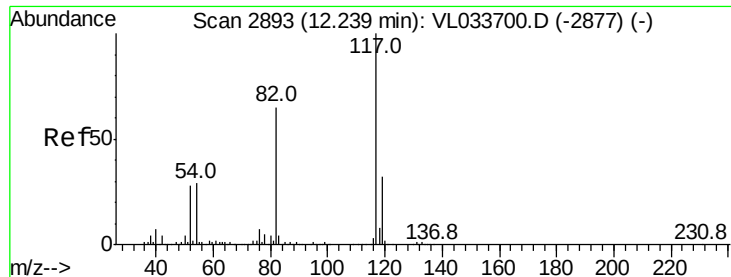
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#53
Toluene
Concen: 0.721 ppbv
RT: 9.94 min Scan# 2178
Delta R.T. -0.01 min
Lab File: VL033832.D
Acq: 29 May 2019 10:47

Tgt Ion	Ratio	Lower	Upper
91	100		
92	58.1	47.6	71.4





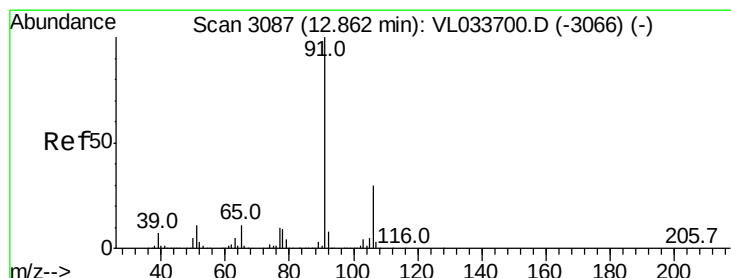
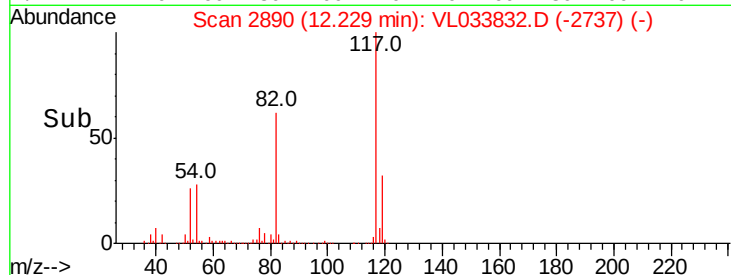
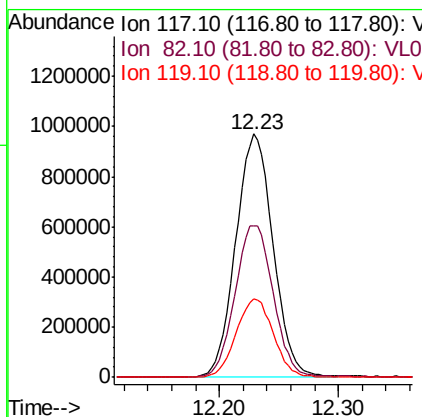
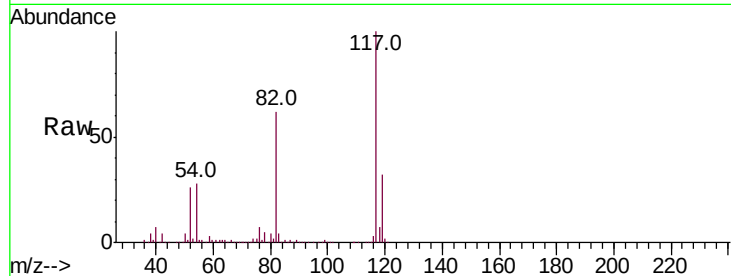
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2890
Delta R.T. -0.01 min
Lab File: VL033832.D
Acq: 29 May 2019 10:47

Instrument :
MSVOA_L
ClientSampleId :
BPS1-DUP02DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	64.5	49.4	74.0
119	32.3	24.9	37.3

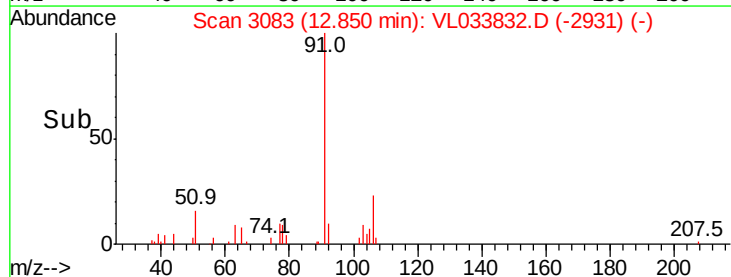
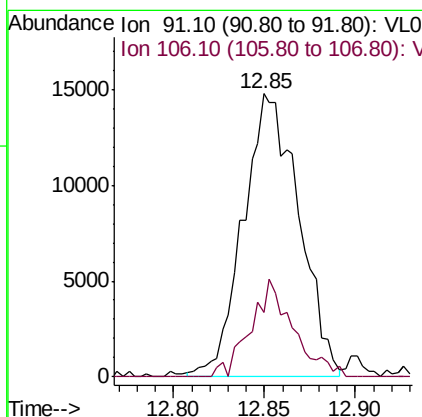
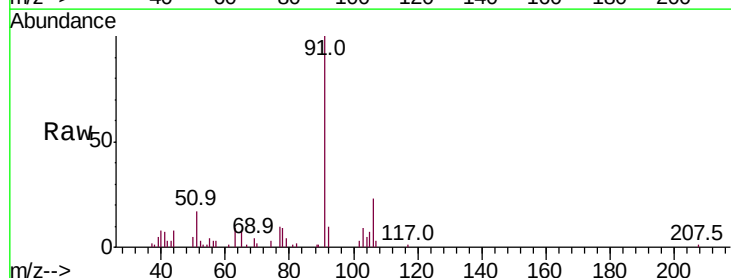
Manual Integrations
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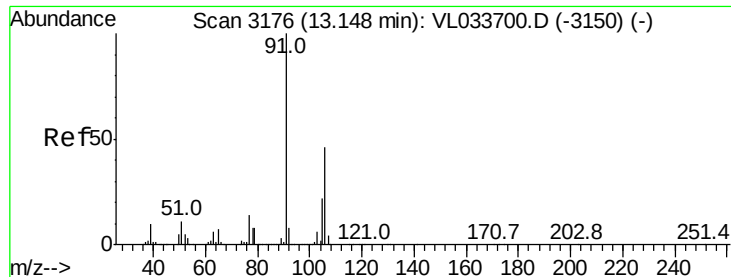
apatel
5/30/2019 3:34:11 PM



#58
Ethyl Benzene
Concen: 0.113 ppbv m
RT: 12.85 min Scan# 3083
Delta R.T. -0.01 min
Lab File: VL033832.D
Acq: 29 May 2019 10:47

Tgt Ion	Ratio	Lower	Upper
91	100		
106	22.8	23.9	35.9#





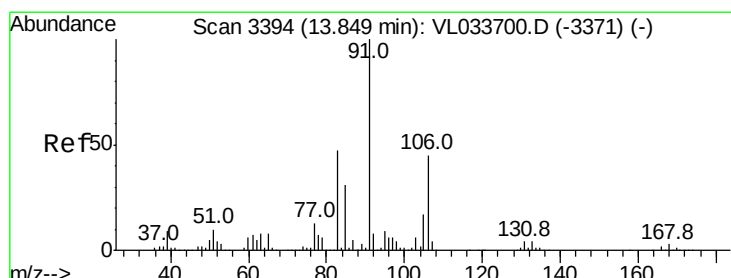
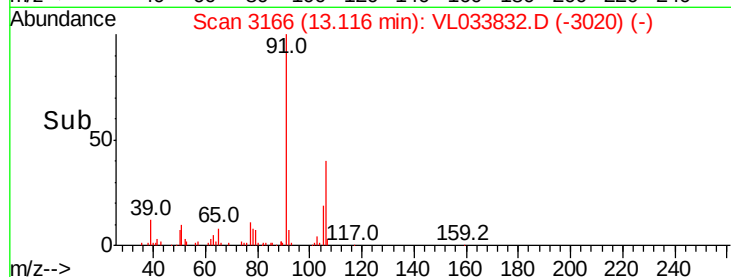
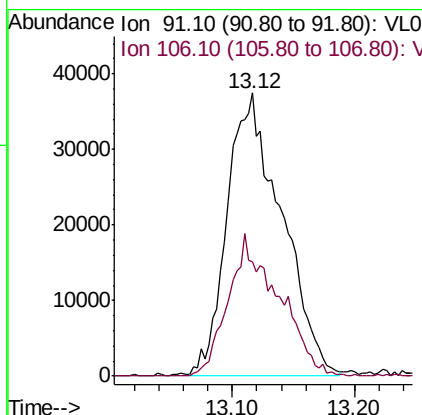
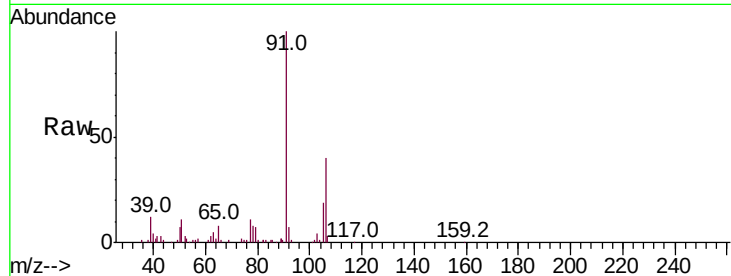
#59
m/p-Xylene
Concen: 0.472 ppbv m
RT: 13.12 min Scan# 3166
Delta R.T. -0.03 min
Lab File: VL033832.D
Acq: 29 May 2019 10:47

Instrument :
MSVOA_L
ClientSampleId :
BPS1-DUP02DL

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

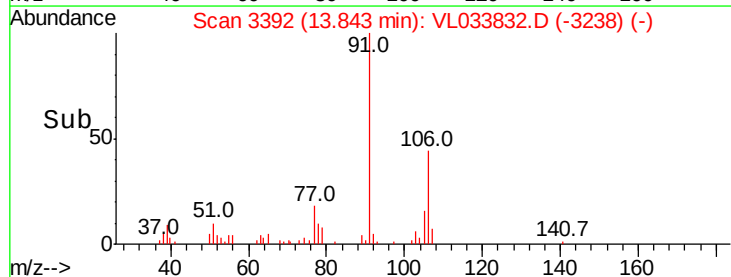
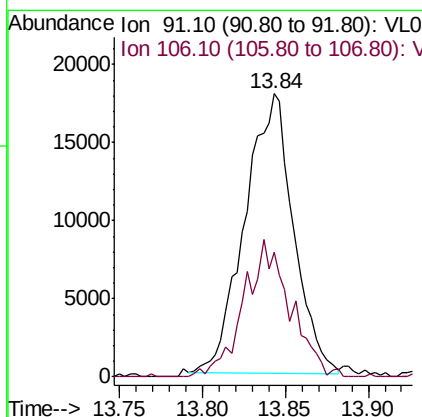
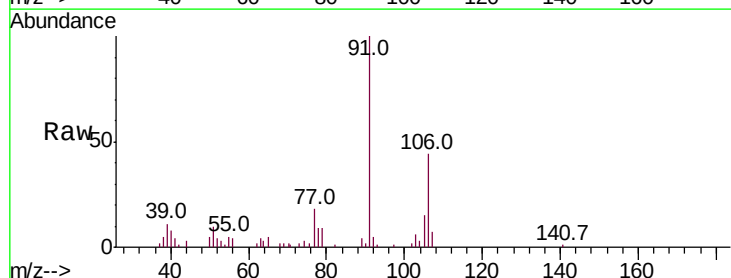
Manual Integrations
APPROVED

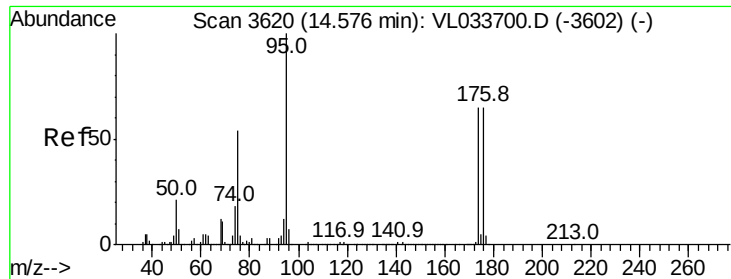
apatel
5/30/2019 3:34:11 PM



#60
o-Xylene
Concen: 0.149 ppbv
RT: 13.84 min Scan# 3392
Delta R.T. -0.01 min
Lab File: VL033832.D
Acq: 29 May 2019 10:47

Tgt Ion	Ratio	Lower	Upper
91	100		
106	46.8	21.6	64.8





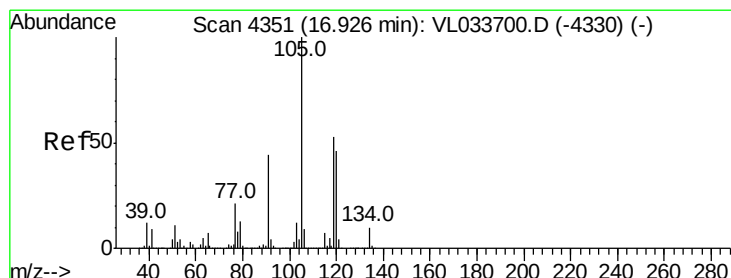
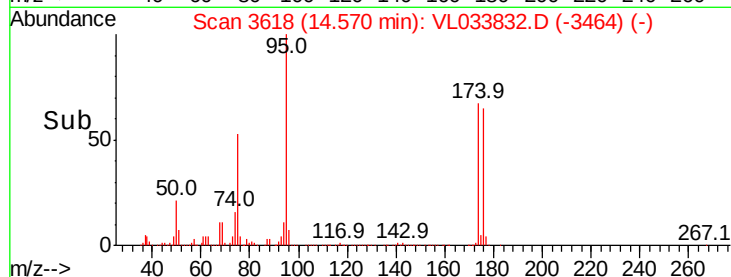
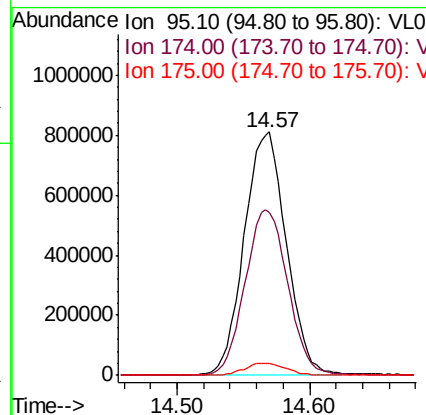
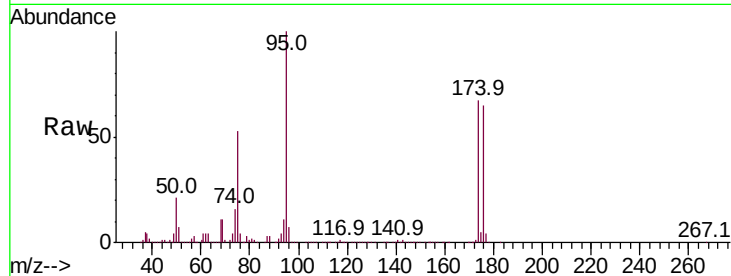
#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.429 ppbv
 RT: 14.57 min Scan# 3618
 Delta R.T. -0.01 min
 Lab File: VL033832.D
 Acq: 29 May 2019 10:47

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-DUP02DL

Tot Ion: 95 Resp: 1783845
 Ion Ratio Lower Upper
 95 100
 174 69.9 53.9 80.9
 175 5.0 3.8 5.8

Manual Integrations
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apatel
 5/30/2019 3:34:11 PM



#74
 1,2,4-Trimethylbenzene
 Concen: 0.191 ppbv
 RT: 16.92 min Scan# 4348
 Delta R.T. -0.01 min
 Lab File: VL033832.D
 Acq: 29 May 2019 10:47

Tgt Ion: 105 Resp: 57038
 Ion Ratio Lower Upper
 105 100
 120 42.8 36.8 55.2
 91 10.7 35.4 53.0#
 77 12.5 16.8 25.2#

