

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL020519\
 Data File : VL033183.D
 Acq On : 6 Feb 2019 18:33
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 2/20/2019 12:21:33 PM

Quant Time: Feb 20 06:54:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL020519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb 20 06:54:57 2019
 QLast Update : Wed Feb 20 06:00:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1024470	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	2289715	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2409069m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1896469	10.10	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.08	85	1544968	7.888	ppbv	98
3) Chlorodifluoromethane	3.01	51	963188	7.808	ppbv	99
4) Chloromethane	3.17	50	517121	7.939	ppbv	98
5) Vinyl Chloride	3.29	62	497017	7.308	ppbv	99
6) Bromomethane	3.52	94	300584	8.041	ppbv	94
7) Chloroethane	3.60	64	174710	7.858	ppbv	95
8) Dichlorotetrafluoroethane	3.22	85	1184010	7.729	ppbv	98
9) Propene	3.04	41	440469	7.392	ppbv	99
10) Heptane	8.25	43	1415100	7.850	ppbv	100
11) Trichlorofluoromethane	4.00	101	1319236	8.320	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.55	101	860334	7.829	ppbv	99
13) Ethanol	3.65	45	105267m	5.198	ppbv	
14) Bromoethene	3.79	108	389281	8.215	ppbv	100
15) Acetone	3.90	43	872352	7.558	ppbv	99
16) 1,3-Butadiene	3.36	39	415753	7.588	ppbv	97
17) tert-Butyl alcohol	4.35	59	178775	8.063	ppbv	100
18) 1,1-Dichloroethene	4.35	96	395058	8.031	ppbv	96
19) Isopropyl Alcohol	4.02	45	627091	8.011	ppbv	100
20) Methylene Chloride	4.41	84	340483	7.416	ppbv	96
21) Allyl Chloride	4.48	41	629906	8.265	ppbv	99
22) trans-1,2-Dichloroethene	4.96	96	434962	9.105	ppbv	97
23) Vinyl Acetate	5.16	43	1890871	9.452	ppbv	99
24) 1,1-Dichloroethane	5.09	63	1269332	8.971	ppbv	99
25) Ethyl Acetate	5.77	43	2275256	8.767	ppbv	100
26) Hexane	5.78	57	1019868	8.371	ppbv	99
27) Carbon Disulfide	4.62	76	975329	8.739	ppbv	100
28) Methyl tert-Butyl Ether	5.11	73	1471921	8.842	ppbv	99
29) Chloroform	5.85	83	1693822	9.073	ppbv	97
30) Cyclohexane	7.25	84	847896	7.501	ppbv	98
31) cis-1,2-Dichloroethene	5.64	61	1103079	9.046	ppbv	98
32) 1,1,1-Trichloroethane	6.62	97	1622176	7.891	ppbv	99
34) 2-Butanone	5.33	43	1534459	10.565	ppbv	99
35) Carbon Tetrachloride	7.13	117	1664143	9.517	ppbv	98
36) Benzene	7.01	78	2151306	9.270	ppbv	98
37) 1,2-Dichloroethane	6.42	62	1314262	10.219	ppbv	99
38) Trichloroethene	7.97	130	790186	7.968	ppbv	93
39) 1,2-Dichloropropane	7.74	63	845951	9.231	ppbv	98
40) 1,4-Dioxane	7.95	88	300235	9.227	ppbv	95
41) Tetrahydrofuran	6.15	42	911497	10.152	ppbv	99
42) Bromodichloromethane	7.92	83	1863935	10.001	ppbv	98
43) Methyl Methacrylate	8.14	69	898319	9.642	ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	3630330	9.232	ppbv	99
45) t-1,3-Dichloropropene	9.42	75	1194172	11.575	ppbv	99
46) cis-1,3-Dichloropropene	8.84	75	1363726	10.345	ppbv	98
47) 1,1,2-Trichloroethane	9.62	97	902000	9.491	ppbv	97
48) Dibromochloromethane	10.45	129	1554836	10.384	ppbv	100
49) Bromoform	13.21	173	1350704	10.484	ppbv	100
50) 4-Methyl-2-Pentanone	8.87	43	2261612	9.711	ppbv	98
51) 2-Hexanone	10.27	43	1822748	9.926	ppbv	100
52) Tetrachloroethene	11.38	164	767567	8.609	ppbv	97
53) Toluene	9.95	91	2584351	9.405	ppbv	99
54) 1,2-Dibromoethane	10.77	107	1438280	9.644	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.28	131	1046651	9.328	ppbv	98
57) Chlorobenzene	12.31	112	1833567	8.602	ppbv	95
58) Ethyl Benzene	12.87	91	3512052	8.881	ppbv	100
59) m/p-Xylene	13.13	91	5736205m	17.439	ppbv	
60) o-Xylene	13.86	91	2782471	8.675	ppbv	99
61) Styrene	13.69	104	2152732	8.891	ppbv	99
62) Isopropylbenzene	14.83	105	3948604	8.725	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.84	83	1933540	7.722	ppbv	99
64) n-propylbenzene	15.73	120	1009494	8.775	ppbv	97
65) tert-Butylbenzene	16.92	119	3422925	8.686	ppbv	98
66) Benzyl Chloride	17.16	91	1748712	12.418	ppbv	99
67) sec-Butylbenzene	17.46	105	4990038	8.723	ppbv	99
69) p-Isopropyltoluene	17.82	119	4101056	8.608	ppbv	99
70) n-Butylbenzene	18.72	91	4472442	8.701	ppbv	99
71) 2-Chlorotoluene	15.62	91	3138870	8.829	ppbv	99
72) 4-Ethyltoluene	16.01	105	3341282	9.032	ppbv	99
73) 1,3,5-Trimethylbenzene	16.16	105	3179088	8.986	ppbv	98
74) 1,2,4-Trimethylbenzene	16.93	105	3170518	8.640	ppbv	96
75) 1,3-Dichlorobenzene	17.17	146	1829736	8.645	ppbv	100
76) 1,4-Dichlorobenzene	17.31	146	1858673	8.864	ppbv	100
77) 1,2-Dichlorobenzene	17.99	146	1829180	8.746	ppbv	100
78) Hexachloro-1,3-Butadiene	23.55	225	1423614	13.690	ppbv	99
79) Naphthalene	22.42	128	3500006	8.875	ppbv	98
80) Naphthalene,2-methyl-	25.12	142	1686958	8.458	ppbv	100
81) 1,2,4-Trichlorobenzene	22.15	180	1698859	8.481	ppbv	99

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

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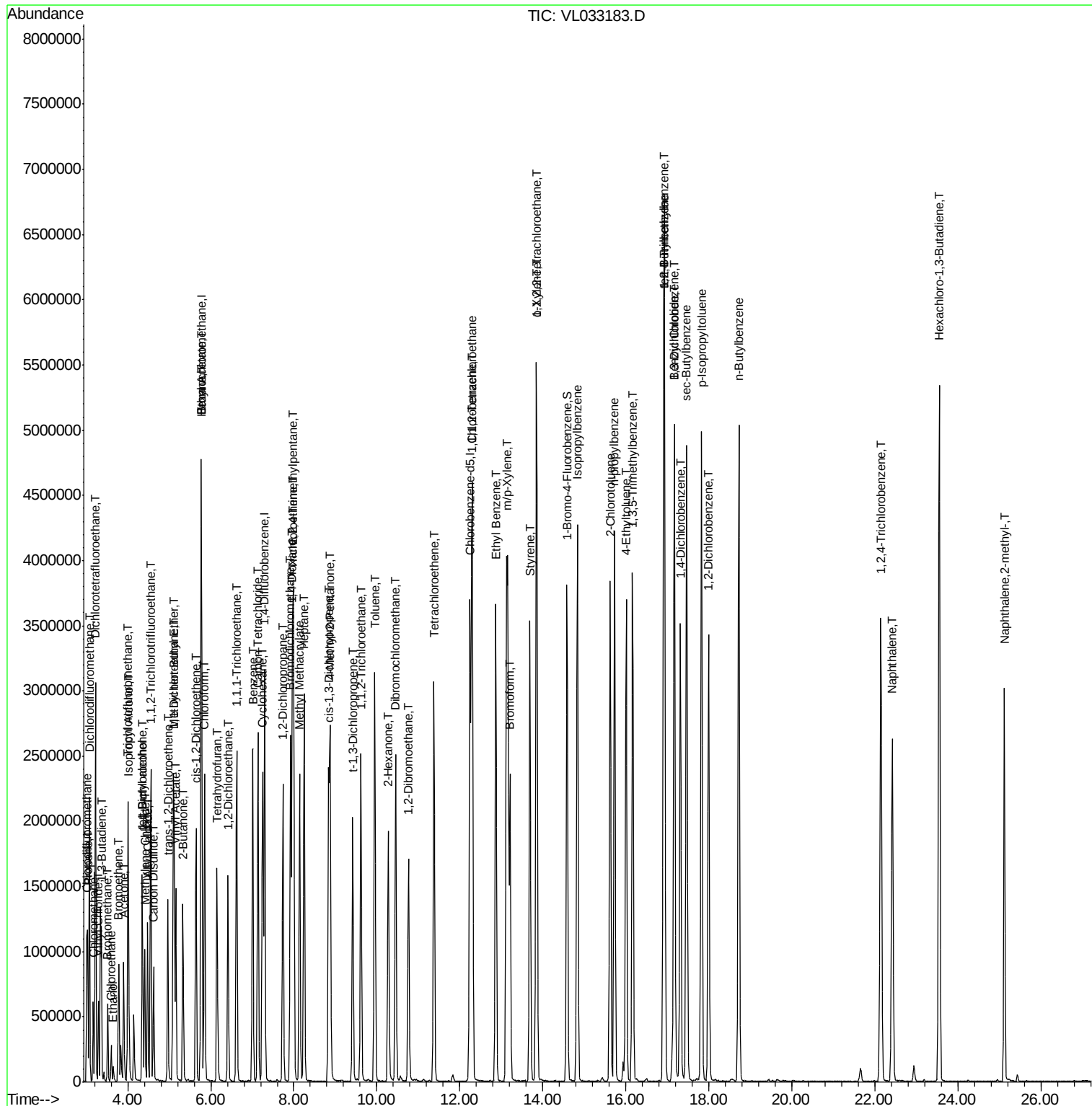
Quant Time: Feb 20 06:54:57 2019

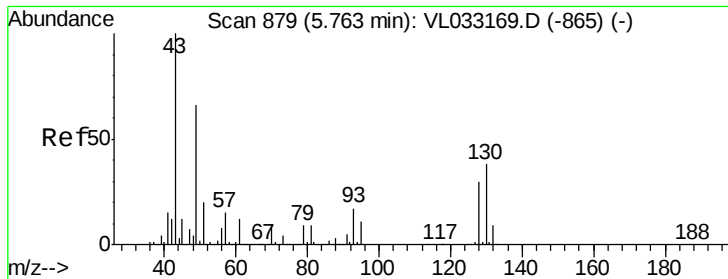
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL020519AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb

QLast Update : Wed Feb 20 06:00:52 2019

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 880

Delta R.T. 0.00 min

Lab File: VL033183.D

Acq: 6 Feb 2019 18:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 49 Resp: 1024470

Ion Ratio Lower Upper

49 100

128 45.9 23.6 71.0

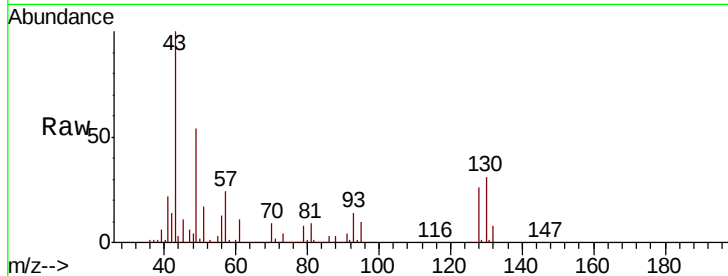
130 58.7 30.3 91.0

Manual Integrations

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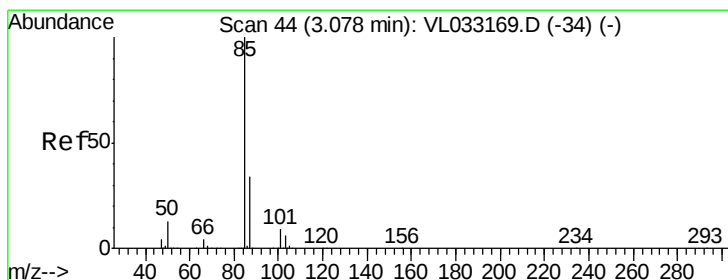
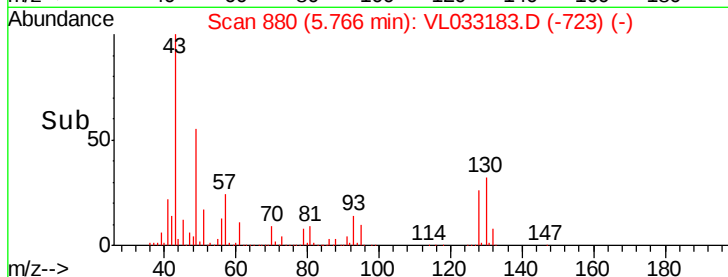
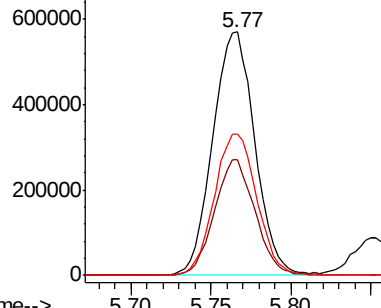
2/20/2019 12:21:33 PM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 7.888 ppbv

RT: 3.08 min Scan# 44

Delta R.T. 0.00 min

Lab File: VL033183.D

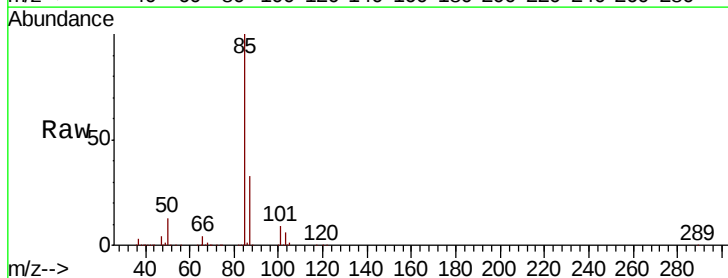
Acq: 6 Feb 2019 18:33

Tgt Ion: 85 Resp: 1544968

Ion Ratio Lower Upper

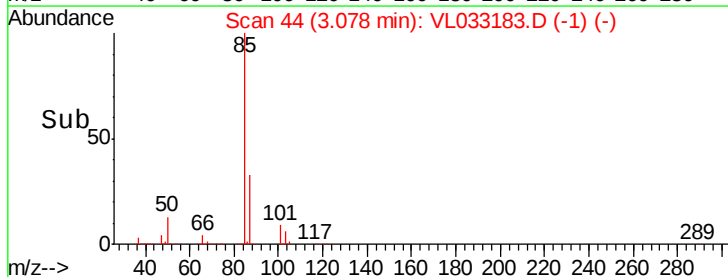
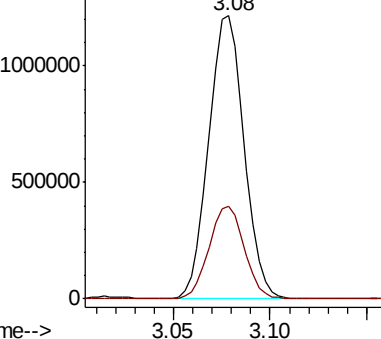
85 100

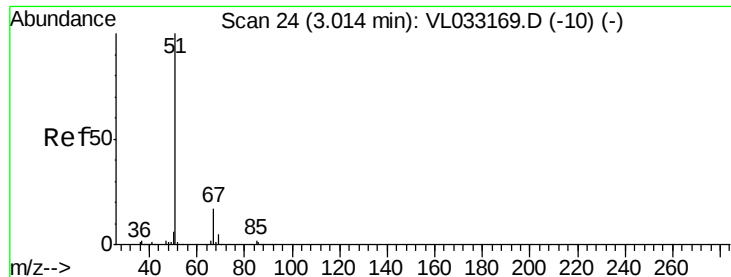
87 32.9 27.4 41.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 7.808 ppbv

RT: 3.01 min Scan# 24

Delta R.T. 0.00 min

Lab File: VL033183.D

Acq: 6 Feb 2019 18:33

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ClientSampleId :

VSTDCCC010EC

Tgt Ion: 51 Resp: 963188

Ion Ratio Lower Upper

51 100

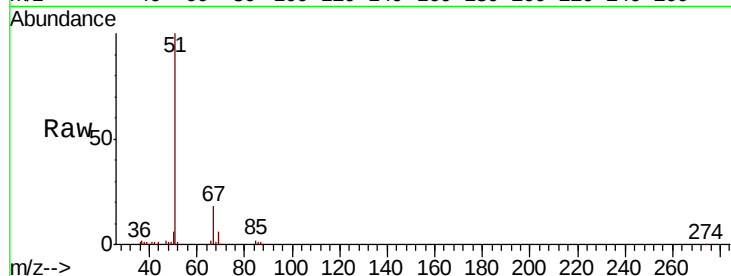
67 18.1 14.0 21.0

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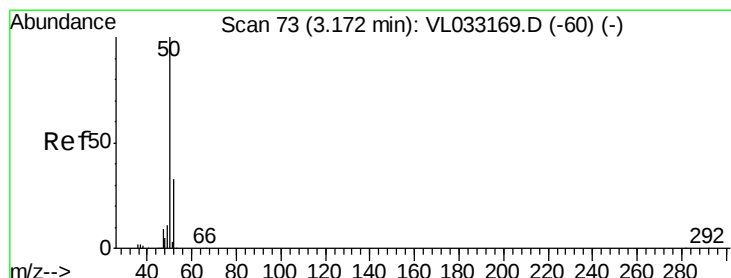
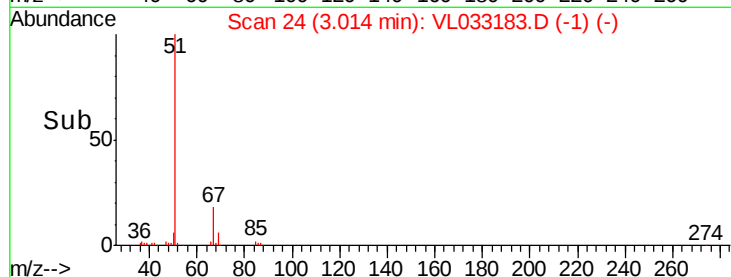
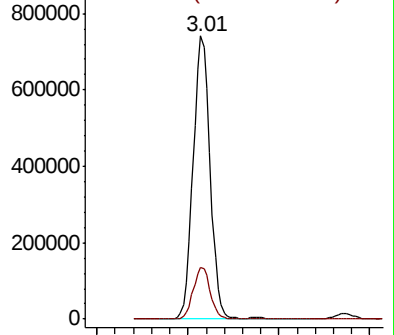
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 7.939 ppbv

RT: 3.17 min Scan# 73

Delta R.T. 0.00 min

Lab File: VL033183.D

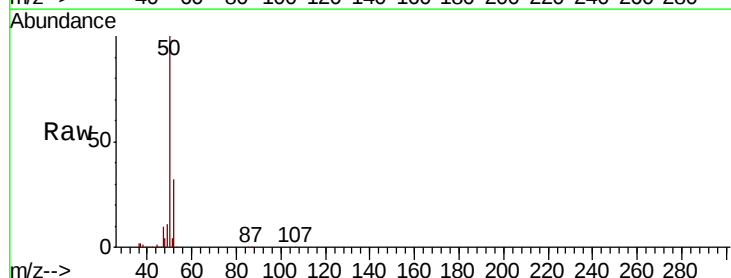
Acq: 6 Feb 2019 18:33

Tgt Ion: 50 Resp: 517121

Ion Ratio Lower Upper

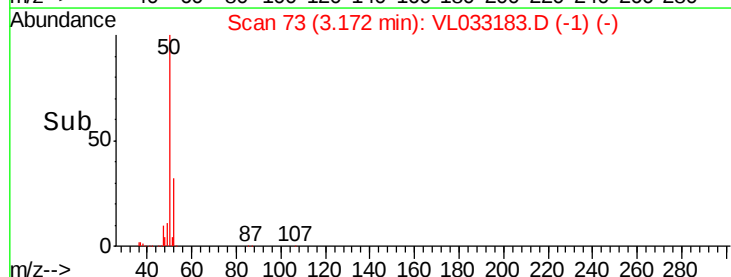
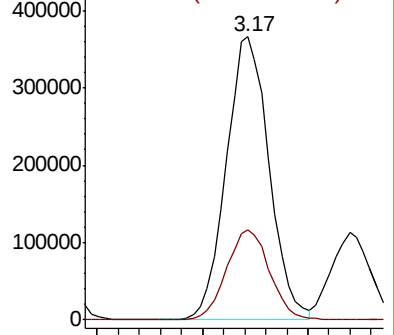
50 100

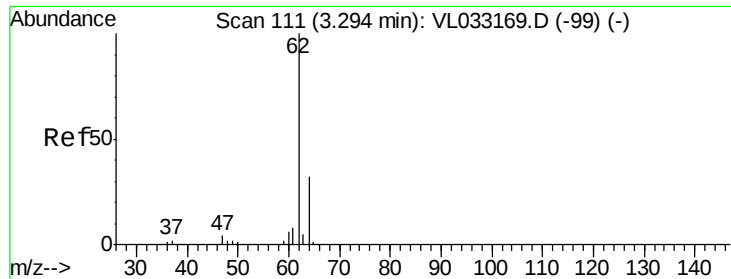
52 31.8 26.5 39.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 7.308 ppbv

RT: 3.29 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL033183.D

Acq: 6 Feb 2019 18:33

Instrument :

MSVOA_L

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VSTDCCC010EC

Tgt Ion: 62 Resp: 497017

Ion Ratio Lower Upper

62 100

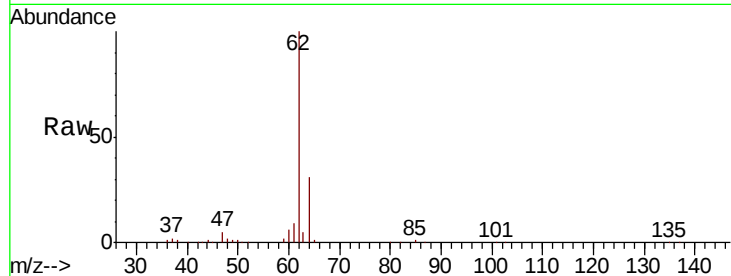
64 31.3 25.6 38.4

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.29

400000

300000

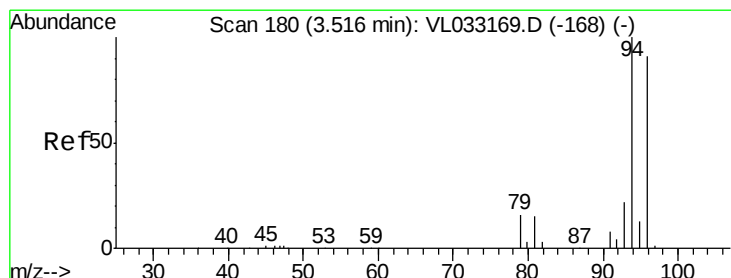
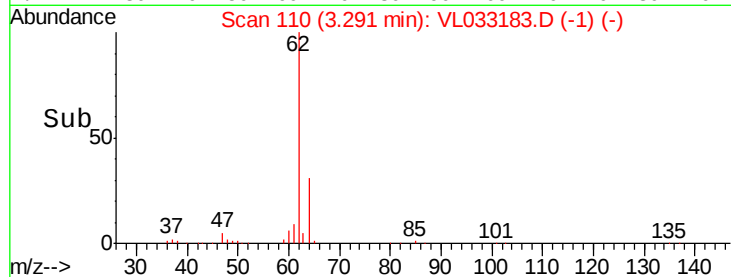
200000

100000

0

3.25 3.30 3.35

Time-->



#6

Bromomethane

Concen: 8.041 ppbv

RT: 3.52 min Scan# 180

Delta R.T. 0.00 min

Lab File: VL033183.D

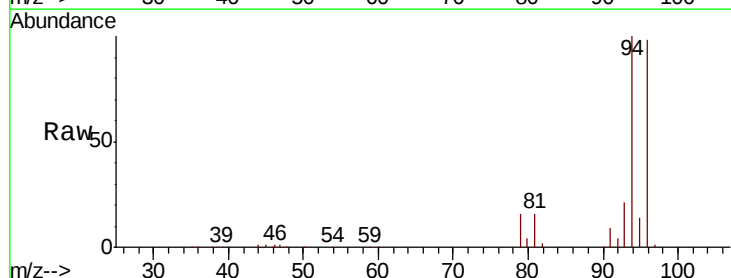
Acq: 6 Feb 2019 18:33

Tgt Ion: 94 Resp: 300584

Ion Ratio Lower Upper

94 100

96 97.6 73.2 109.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.52

200000

150000

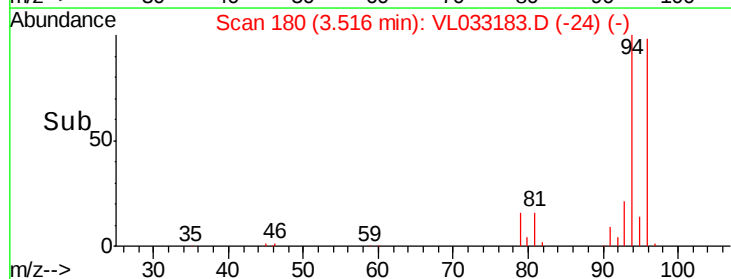
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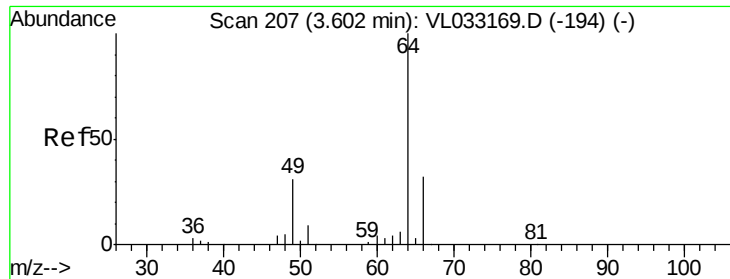
50000

0

3.45 3.50 3.55

Time-->





#7

Chloroethane

Concen: 7.858 ppbv

RT: 3.60 min Scan# 207

Delta R.T. 0.00 min

Lab File: VL033183.D

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Tgt Ion: 64 Resp: 174710

Ion Ratio Lower Upper

64 100

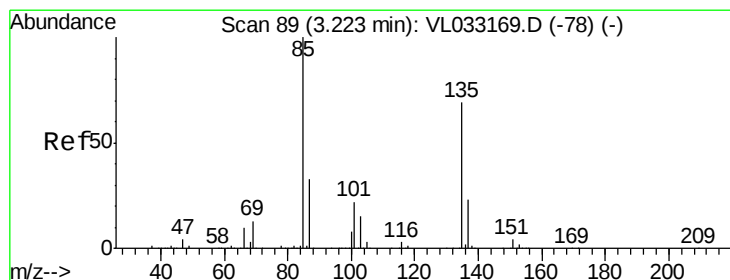
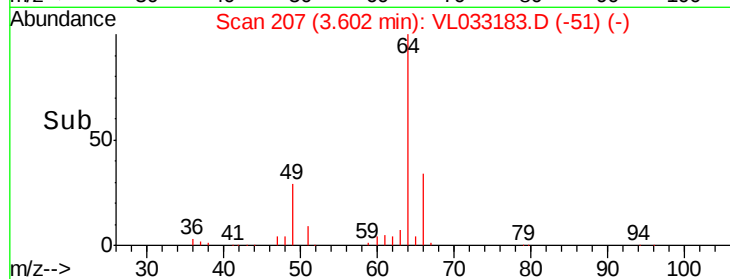
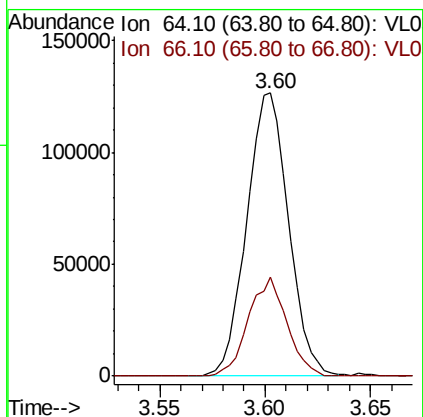
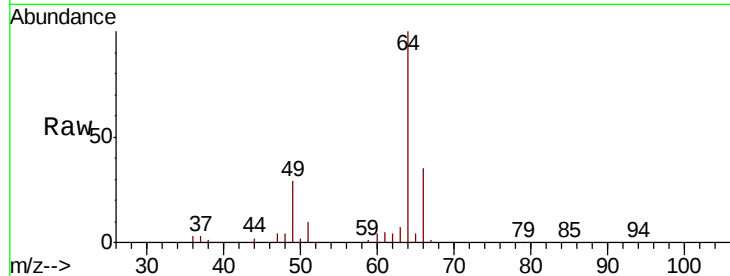
66 35.2 26.0 39.0

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#8

Dichlorotetrafluoroethane

Concen: 7.729 ppbv

RT: 3.22 min Scan# 88

Delta R.T. -0.00 min

Lab File: VL033183.D

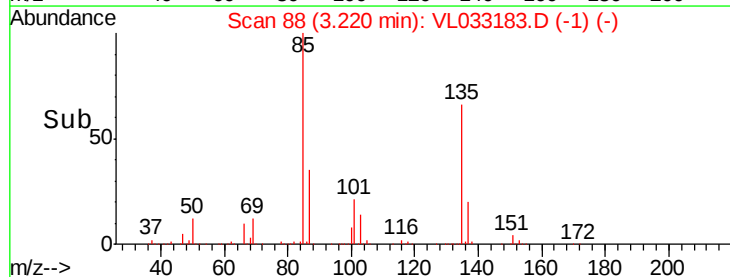
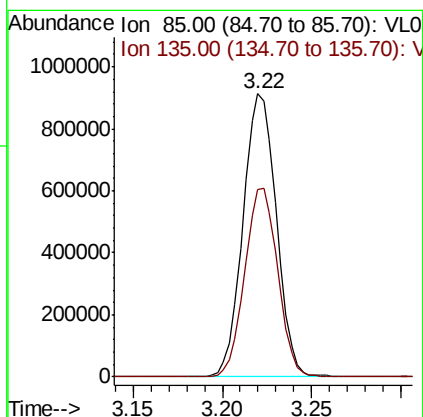
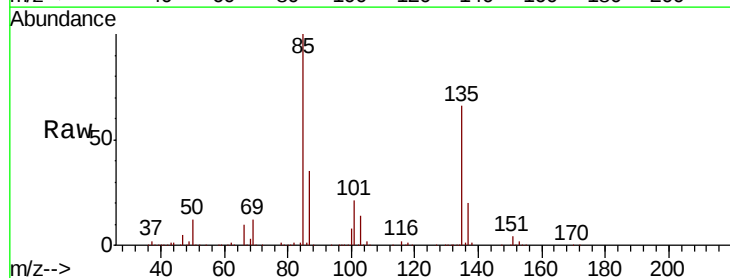
Acq: 6 Feb 2019 18:33

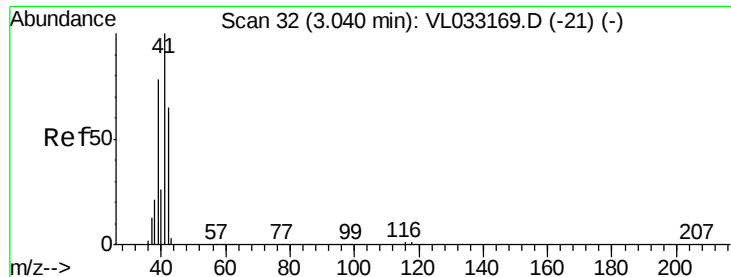
Tgt Ion: 85 Resp: 1184010

Ion Ratio Lower Upper

85 100

135 66.6 54.3 81.5





#9

Propene

Concen: 7.392 ppbv

RT: 3.04 min Scan# 32

Delta R.T. 0.00 min

Lab File: VL033183.D

Acq: 6 Feb 2019 18:33

Instrument :

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Tgt Ion: 41 Resp: 440469

Ion Ratio Lower Upper

41 100

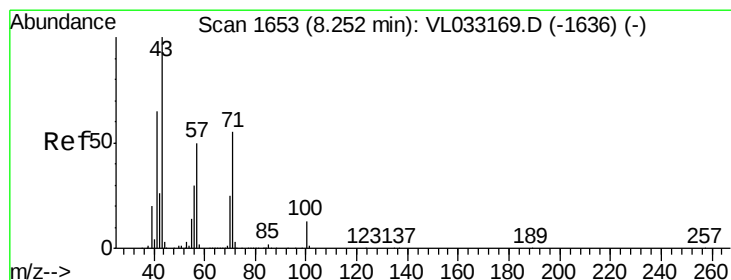
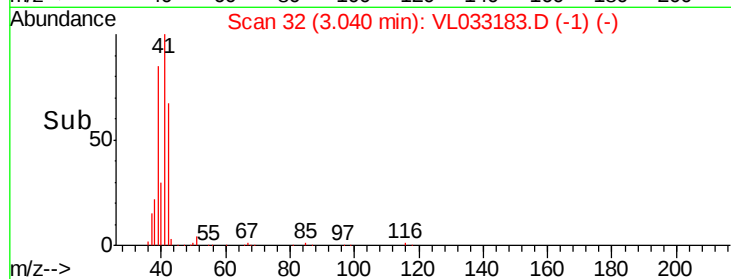
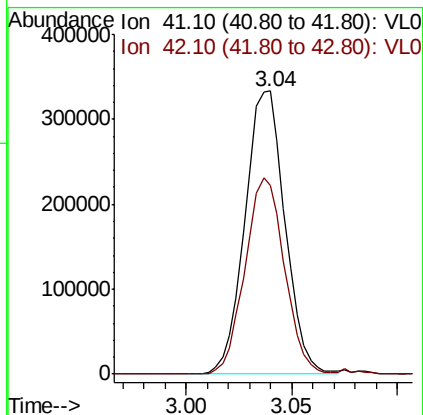
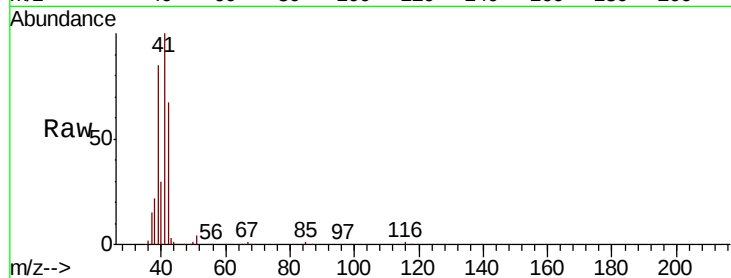
42 69.3 55.0 82.6

Manual Integrations

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#10

Heptane

Concen: 7.850 ppbv

RT: 8.25 min Scan# 1652

Delta R.T. -0.00 min

Lab File: VL033183.D

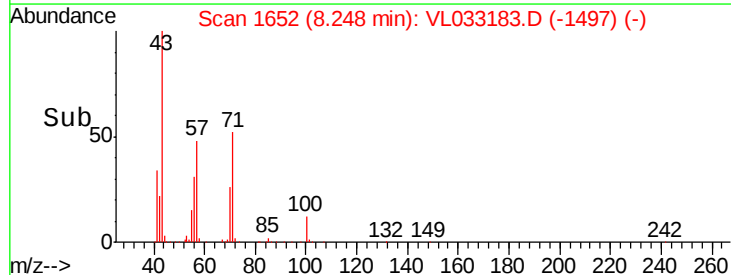
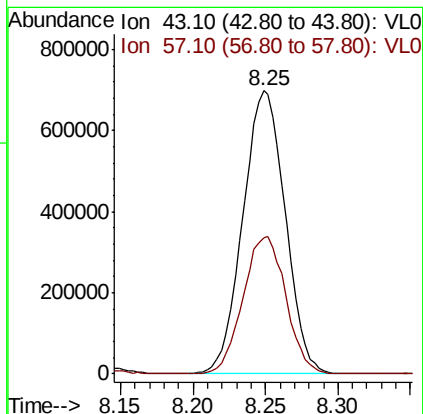
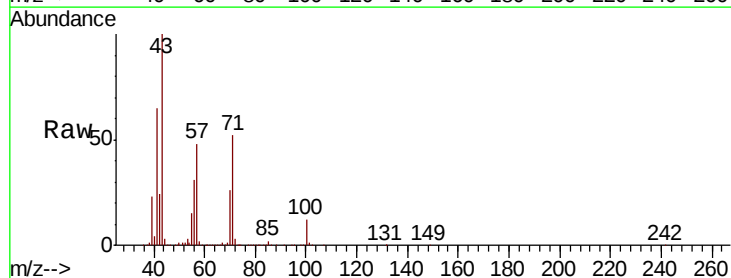
Acq: 6 Feb 2019 18:33

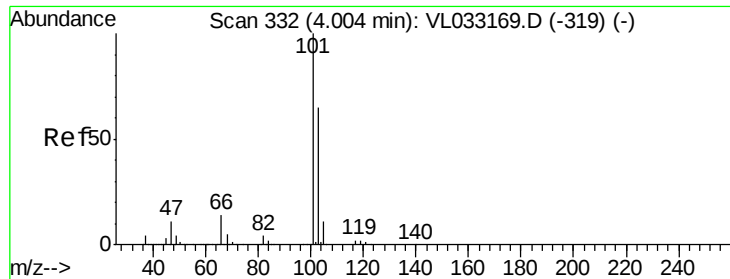
Tgt Ion: 43 Resp: 1415100

Ion Ratio Lower Upper

43 100

57 49.2 39.5 59.3





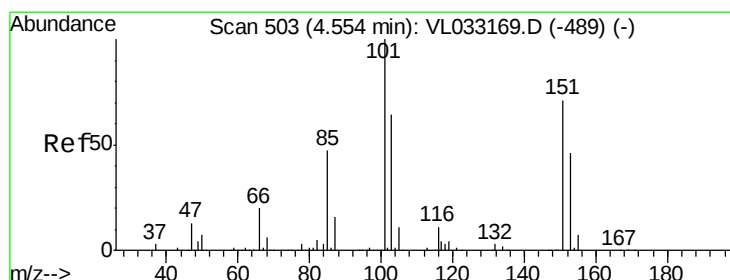
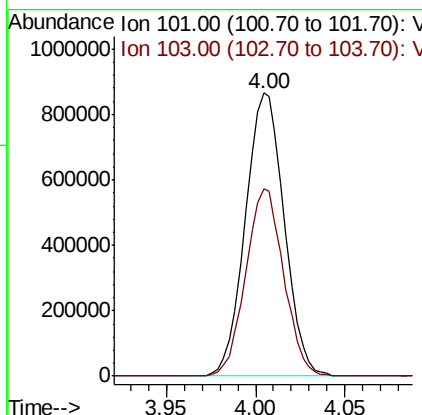
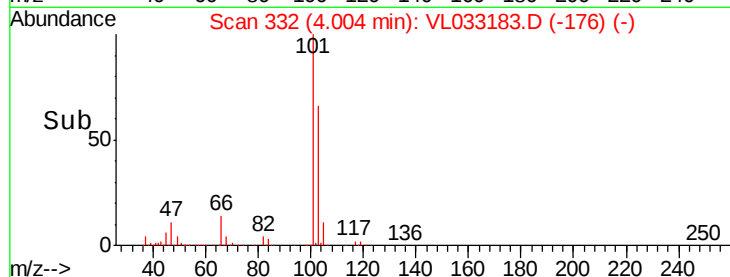
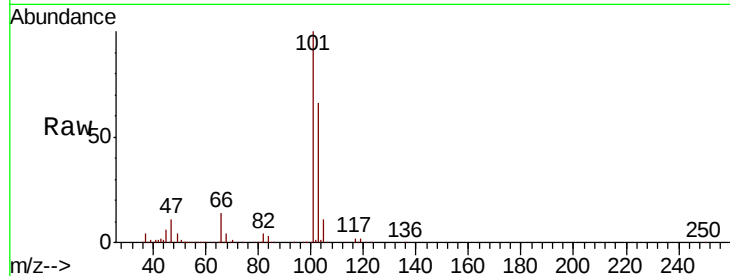
#11
 Trichlorofluoromethane
 Concen: 8.320 ppbv
 RT: 4.00 min Scan# 332
 Delta R.T. 0.00 min
 Lab File: VL033183.D
 Acq: 6 Feb 2019 18:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:101 Resp: 1319236
 Ion Ratio Lower Upper
 101 100
 103 66.4 51.7 77.5

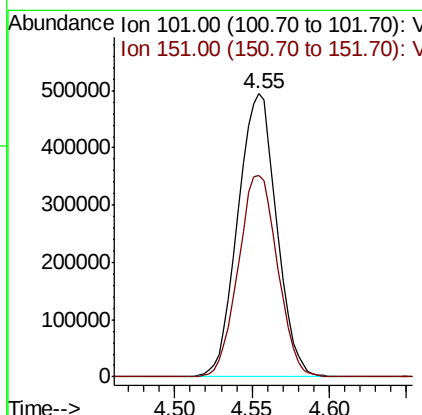
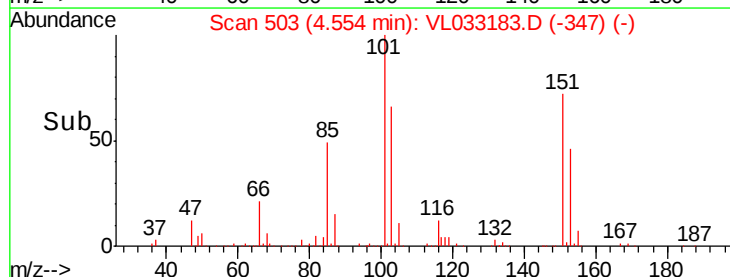
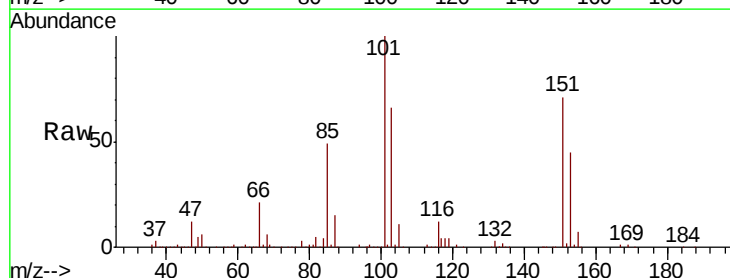
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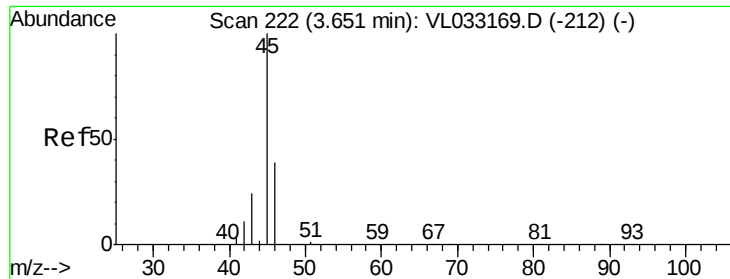
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 7.829 ppbv
 RT: 4.55 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VL033183.D
 Acq: 6 Feb 2019 18:33

Tgt Ion:101 Resp: 860334
 Ion Ratio Lower Upper
 101 100
 151 72.2 57.4 86.0





#13

Ethanol

Concen: 5.198 ppbv m

RT: 3.65 min Scan# 221

Delta R.T. -0.00 min

Lab File: VL033183.D

Acq: 6 Feb 2019 18:33

Instrument :

MSVOA_L

ClientSampled :

VSTDCCC010EC

Tgt Ion: 45 Resp: 105267

Ion Ratio Lower Upper

45 100

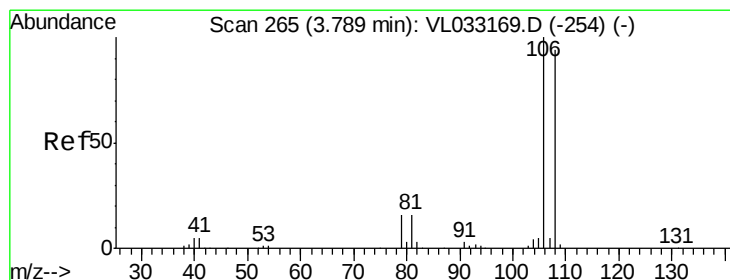
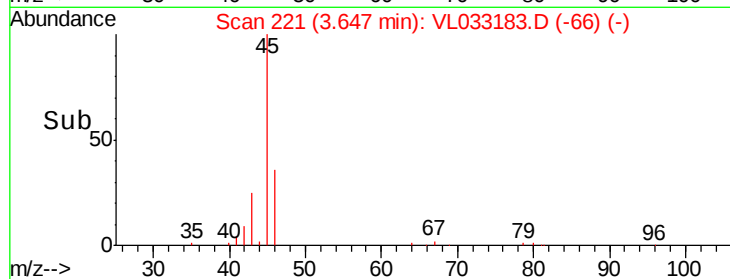
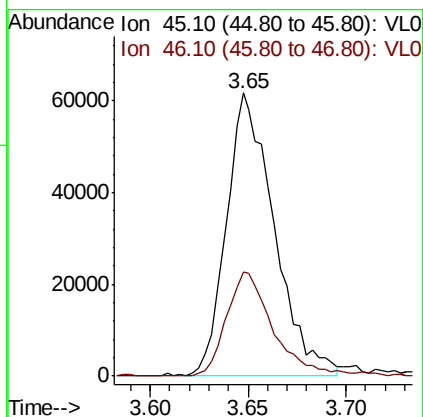
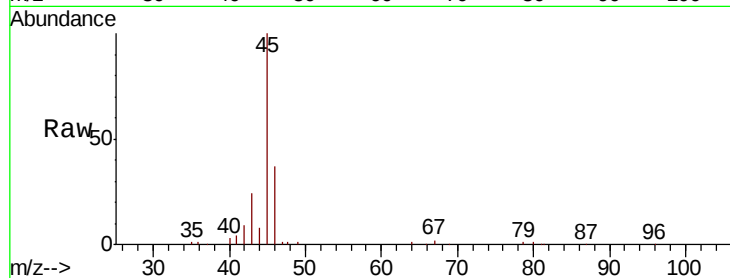
46 36.3 15.0 60.2

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#14

Bromoethene

Concen: 8.215 ppbv

RT: 3.79 min Scan# 265

Delta R.T. 0.00 min

Lab File: VL033183.D

Acq: 6 Feb 2019 18:33

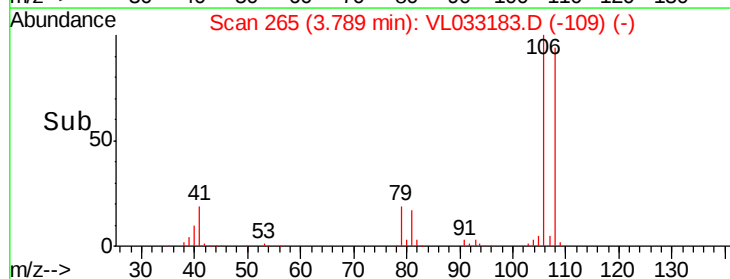
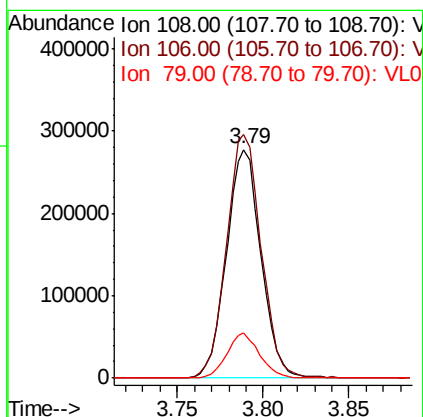
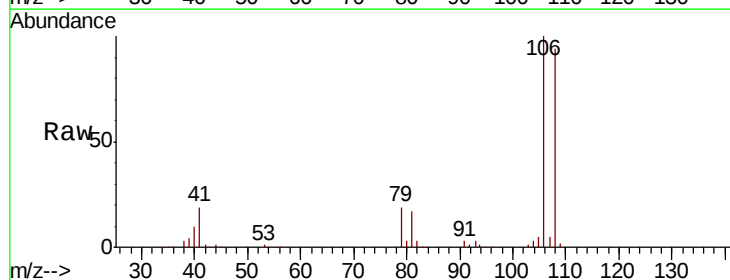
Tgt Ion: 108 Resp: 389281

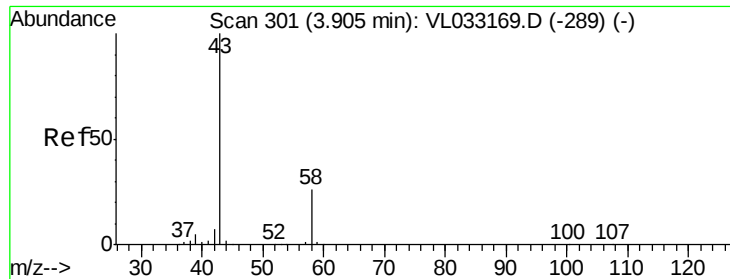
Ion Ratio Lower Upper

108 100

106 107.4 86.0 129.0

79 19.0 14.5 21.7





#15

Acetone

Concen: 7.558 ppbv

RT: 3.90 min Scan# 300

Delta R.T. -0.00 min

Lab File: VL033183.D

Acq: 6 Feb 2019 18:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 872352

Ion Ratio Lower Upper

43 100

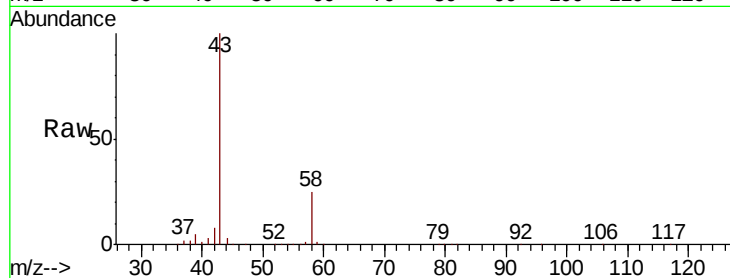
58 26.0 21.1 31.7

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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.90

600000

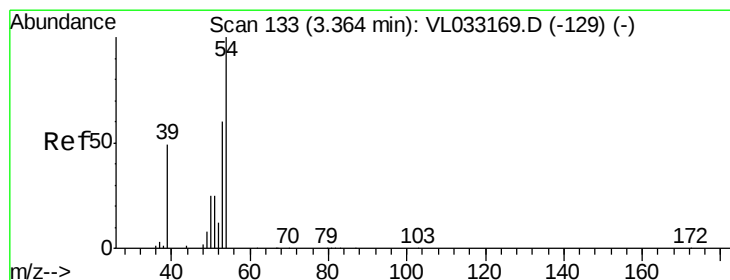
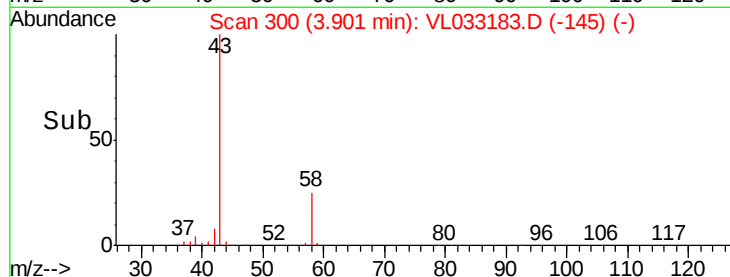
400000

200000

0

Time-->

3.85 3.90 3.95 4.00



#16

1,3-Butadiene

Concen: 7.588 ppbv

RT: 3.36 min Scan# 133

Delta R.T. 0.00 min

Lab File: VL033183.D

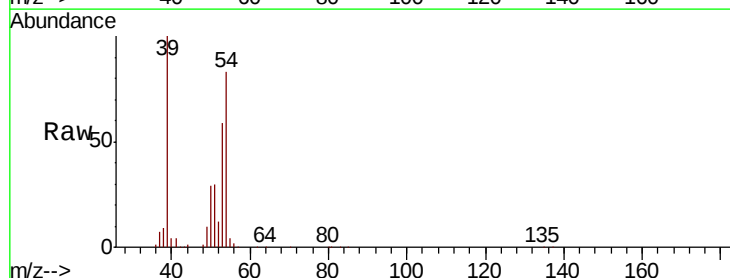
Acq: 6 Feb 2019 18:33

Tgt Ion: 39 Resp: 415753

Ion Ratio Lower Upper

39 100

54 92.1 71.3 106.9



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.36

300000

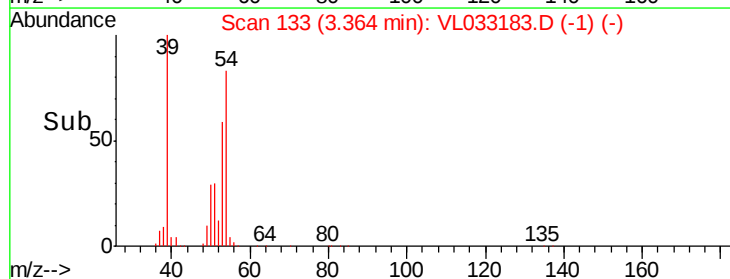
200000

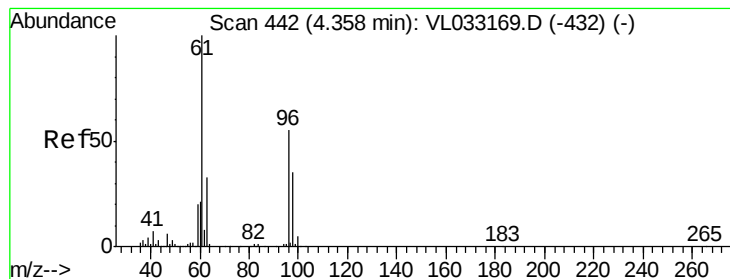
100000

0

Time-->

3.34 3.36 3.38 3.40





#17

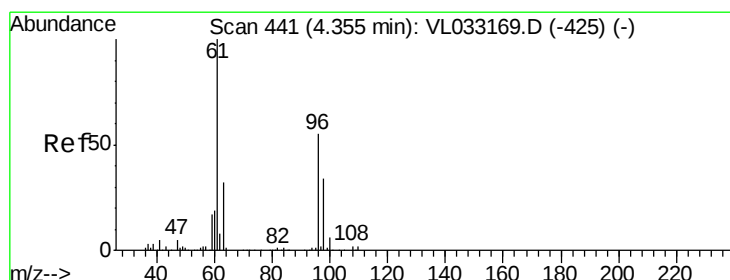
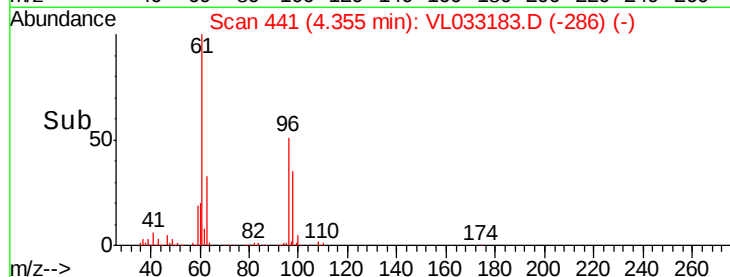
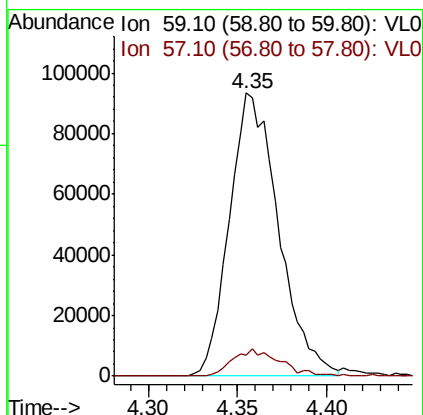
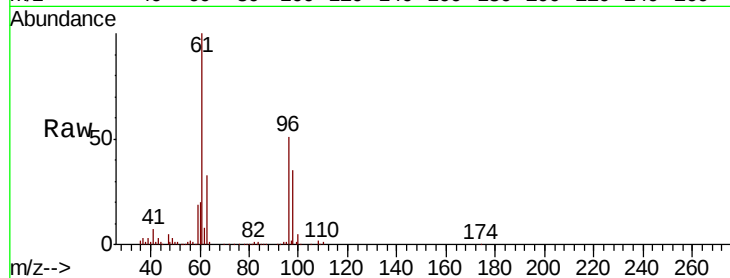
tert-Butyl alcohol
Concen: 8.063 ppbv
RT: 4.35 min Scan# 441
Delta R.T. -0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 59 Resp: 178775
Ion Ratio Lower Upper
59 100
57 9.4 7.6 11.4

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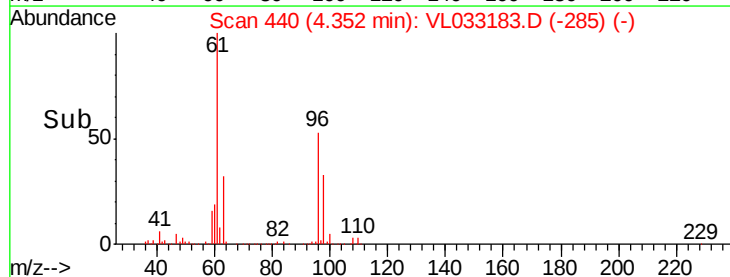
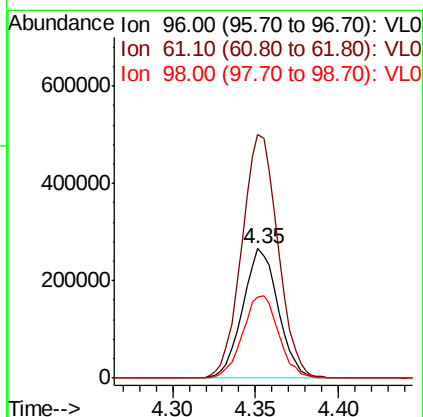
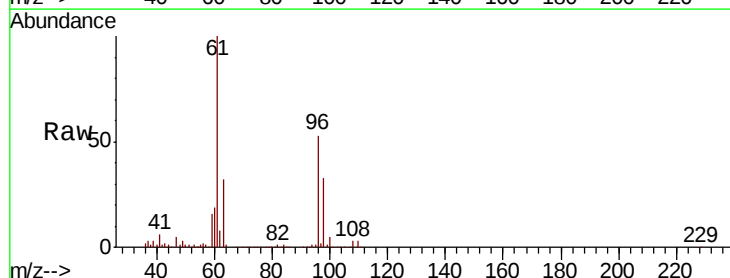
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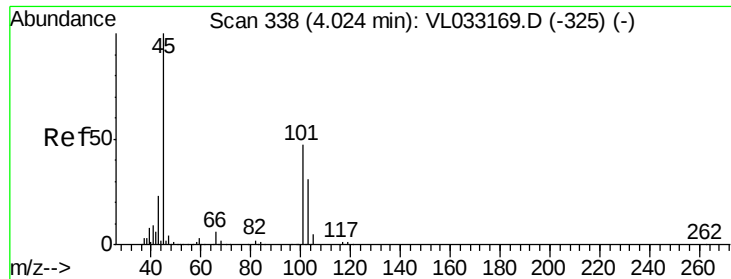


#18

1,1-Dichloroethene
Concen: 8.031 ppbv
RT: 4.35 min Scan# 440
Delta R.T. -0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Tgt Ion: 96 Resp: 395058
Ion Ratio Lower Upper
96 100
61 188.0 145.0 217.6
98 62.8 50.0 75.0





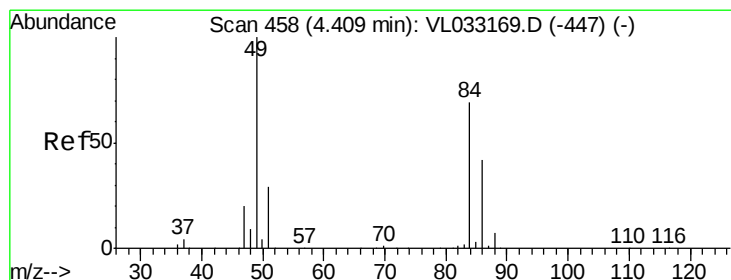
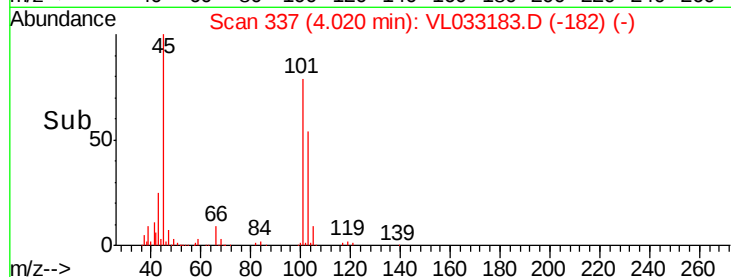
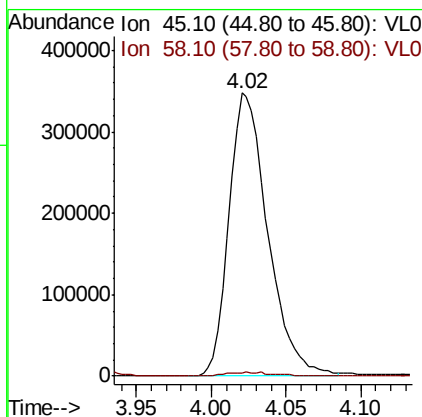
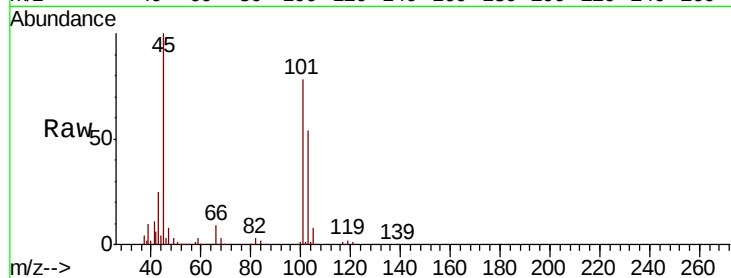
#19
Isopropyl Alcohol
Concen: 8.011 ppbv
RT: 4.02 min Scan# 337
Delta R.T. -0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 45 Resp: 627091
Ion Ratio Lower Upper
45 100
58 1.8 1.5 2.3

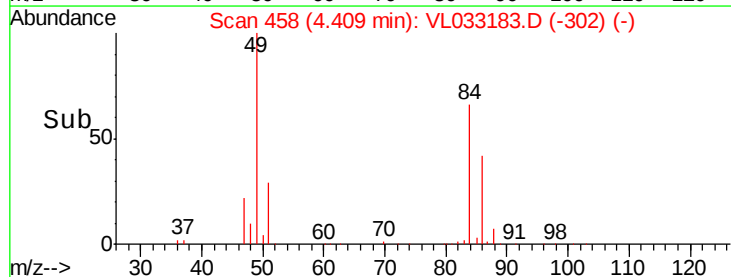
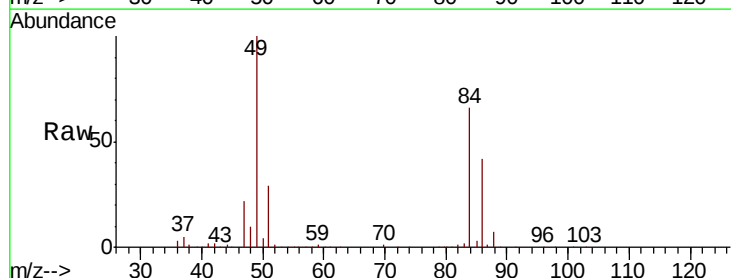
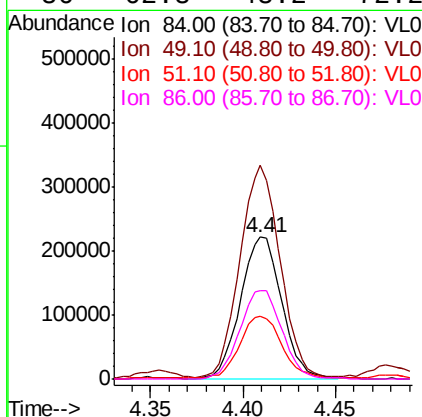
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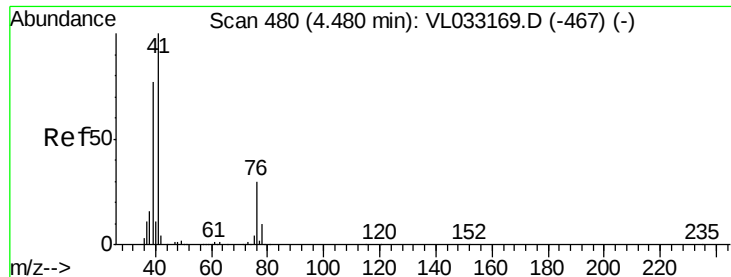
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#20
Methylene Chloride
Concen: 7.416 ppbv
RT: 4.41 min Scan# 458
Delta R.T. 0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Tgt Ion: 84 Resp: 340483
Ion Ratio Lower Upper
84 100
49 149.9 115.8 173.8
51 43.6 33.0 49.6
86 62.8 48.2 72.2





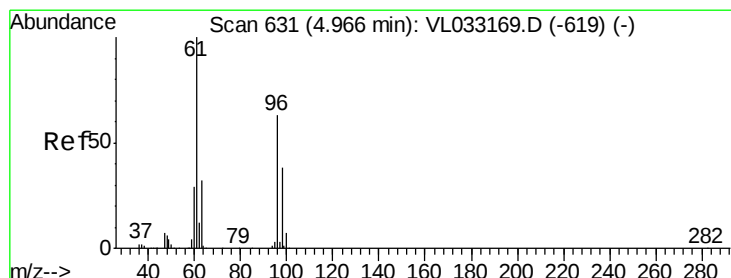
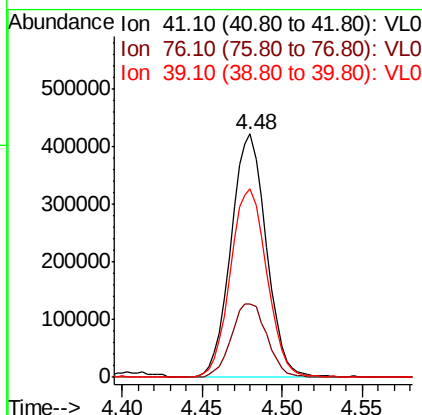
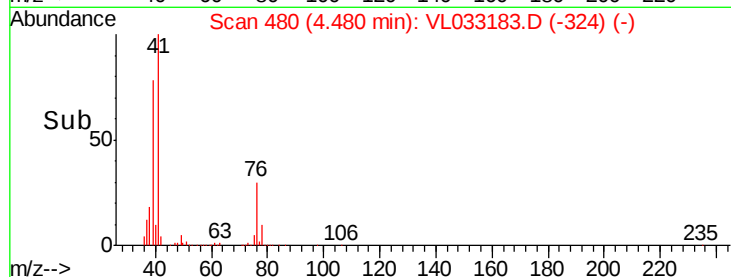
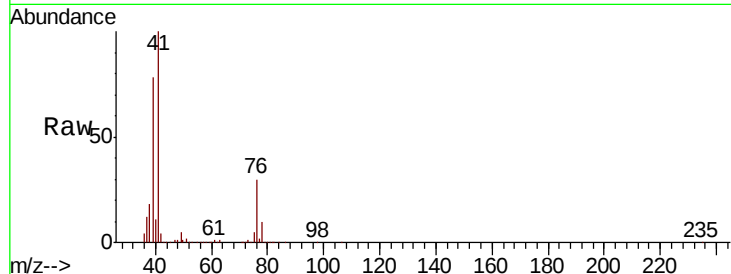
#21
 Allyl Chloride
 Concen: 8.265 ppbv
 RT: 4.48 min Scan# 480
 Delta R.T. 0.00 min
 Lab File: VL033183.D
 Acq: 6 Feb 2019 18:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
41	100		
76	30.7	24.5	36.7
39	80.9	64.1	96.1

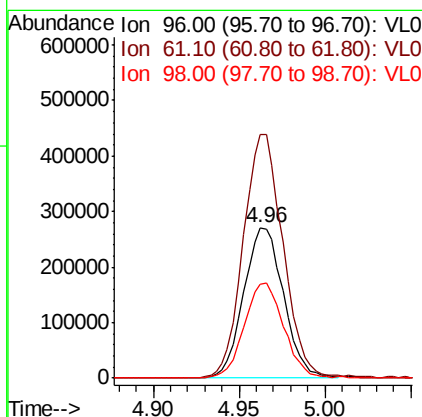
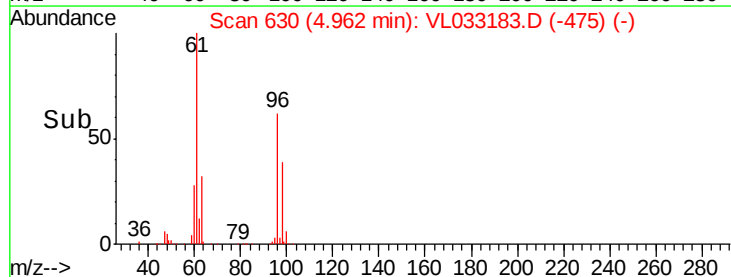
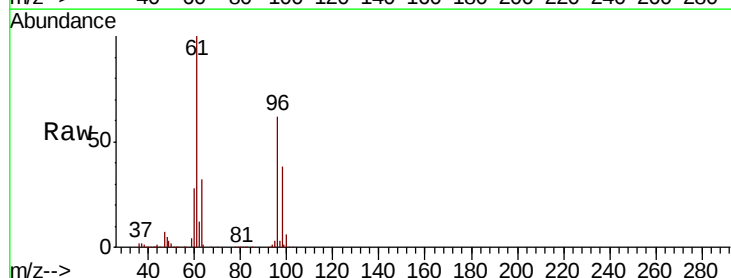
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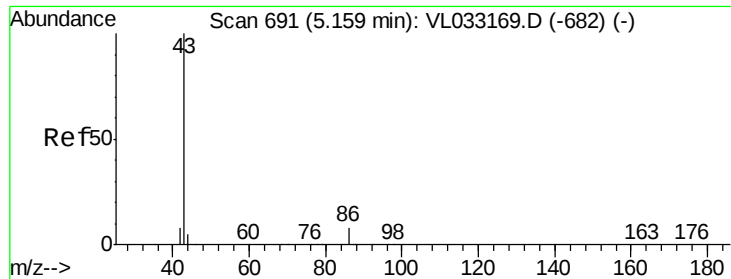
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#22
 trans-1,2-Dichloroethene
 Concen: 9.105 ppbv
 RT: 4.96 min Scan# 630
 Delta R.T. -0.00 min
 Lab File: VL033183.D
 Acq: 6 Feb 2019 18:33

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.7	126.4	189.6
98	62.0	48.4	72.6





#23
 Vinyl Acetate
 Concen: 9.452 ppbv
 RT: 5.16 min Scan# 690
 Delta R.T. -0.00 min
 Lab File: VL033183.D
 Acq: 6 Feb 2019 18:33

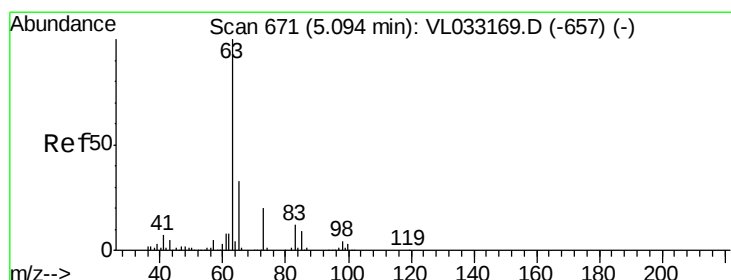
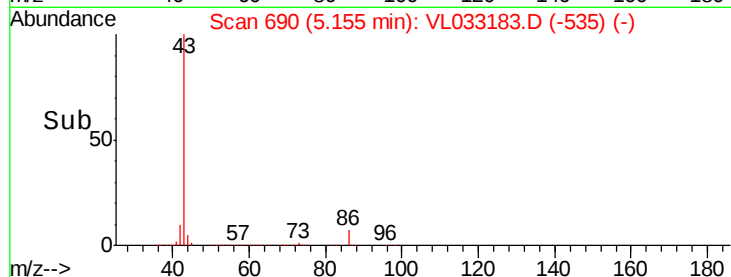
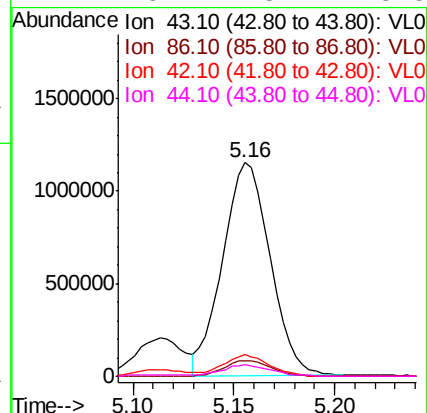
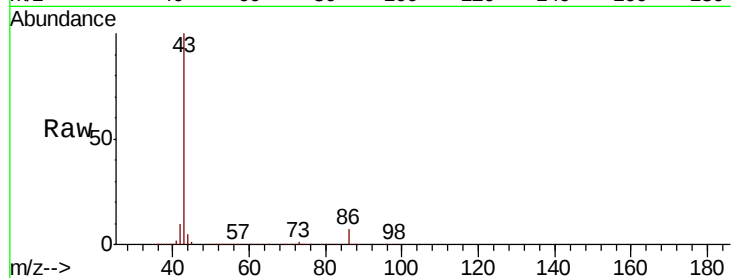
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 43 Resp: 1890871

Ion	Ratio	Lower	Upper
43	100		
86	7.1	5.8	8.8
42	9.8	7.4	11.0
44	5.1	3.7	5.5

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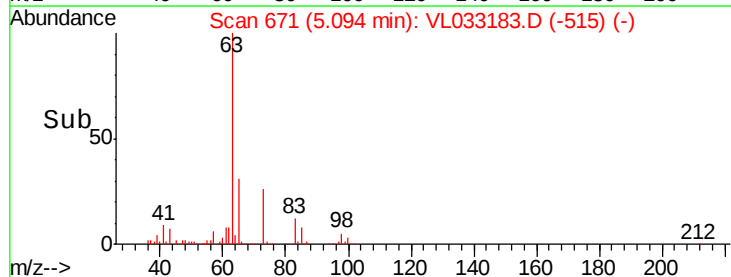
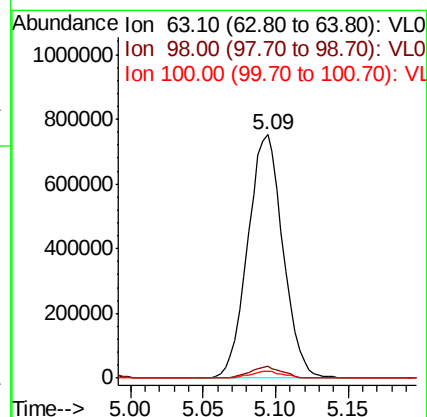
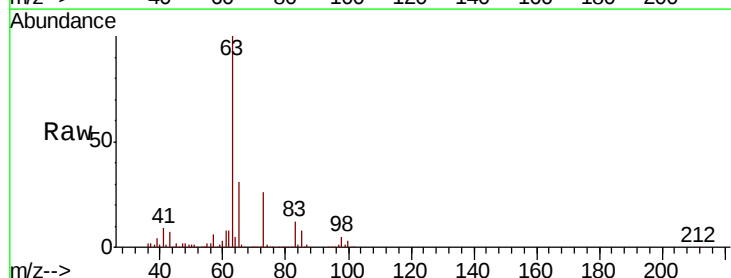
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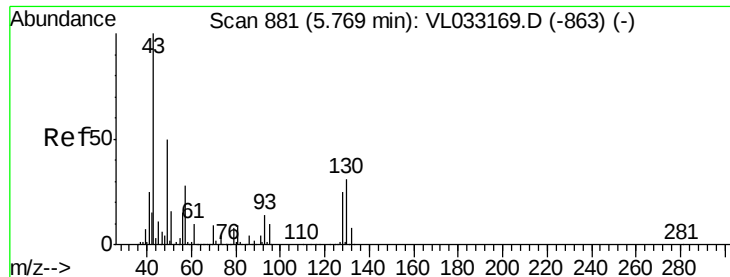


#24
 1,1-Dichloroethane
 Concen: 8.971 ppbv
 RT: 5.09 min Scan# 671
 Delta R.T. 0.00 min
 Lab File: VL033183.D
 Acq: 6 Feb 2019 18:33

Tgt Ion: 63 Resp: 1269332

Ion	Ratio	Lower	Upper
63	100		
98	4.8	2.1	6.5
100	2.9	1.4	4.2





#25

Ethyl Acetate

Concen: 8.767 ppbv

RT: 5.77 min Scan# 881

Delta R.T. 0.00 min

Lab File: VL033183.D

Acq: 6 Feb 2019 18:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 2275256

Ion Ratio Lower Upper

43 100

45 9.8 7.9 11.9

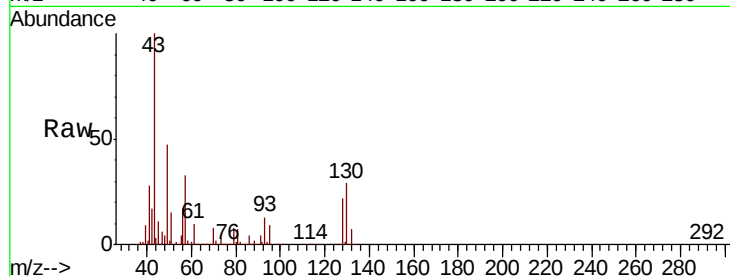
61 9.1 7.5 11.3

70 7.2 5.8 8.8

Manual Integrations
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MMDadoda

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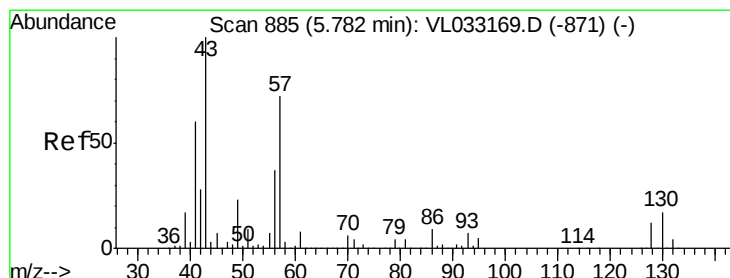
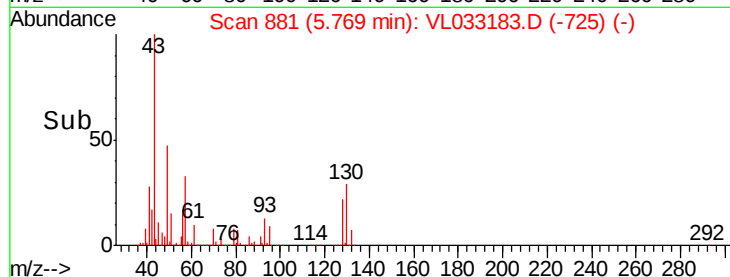
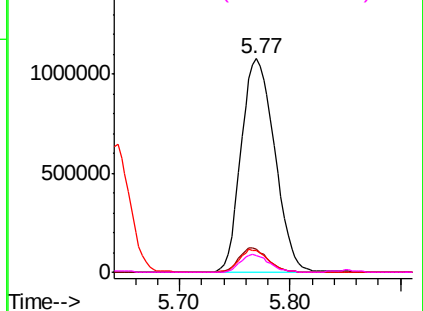
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 8.371 ppbv

RT: 5.78 min Scan# 885

Delta R.T. 0.00 min

Lab File: VL033183.D

Acq: 6 Feb 2019 18:33

Tgt Ion: 57 Resp: 1019868

Ion Ratio Lower Upper

57 100

41 87.7 69.4 104.2

43 223.9 176.7 265.1

56 52.2 41.4 62.0

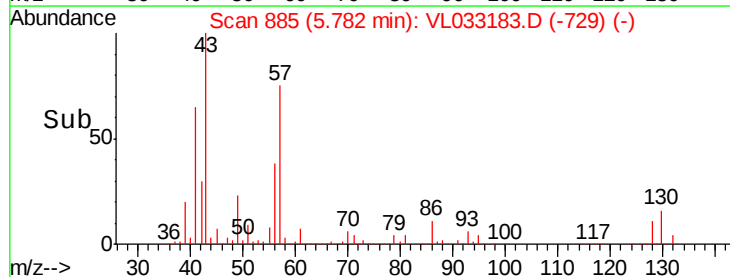
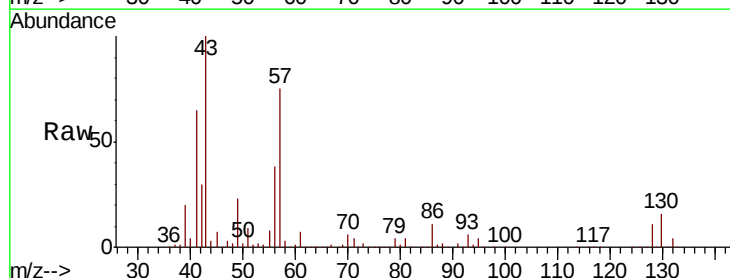
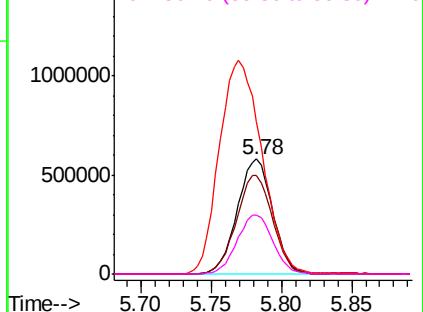
Abundance

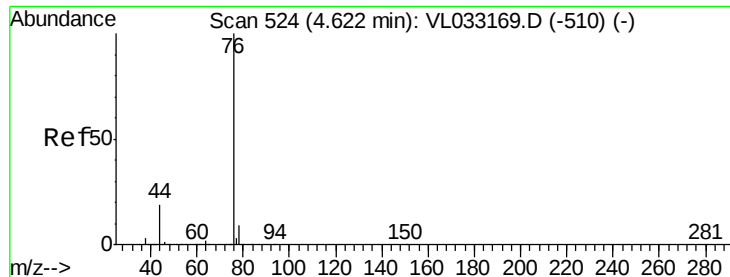
Ion 57.10 (56.80 to 57.80): VL0

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





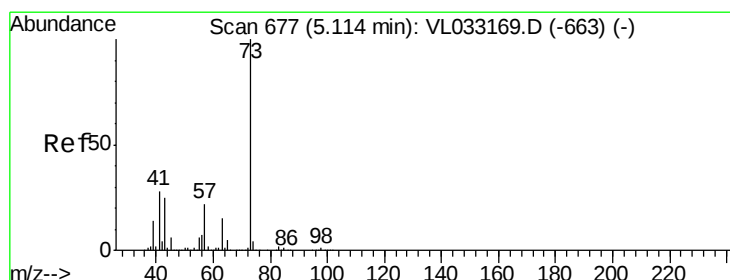
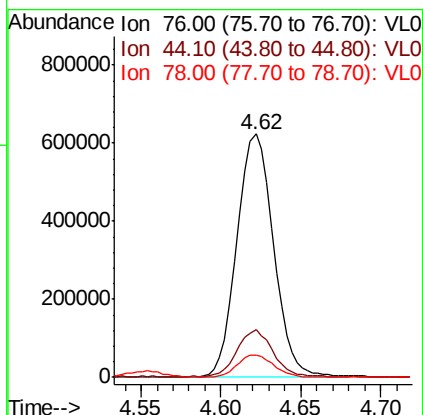
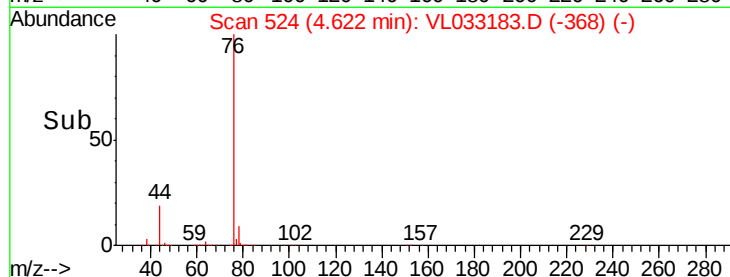
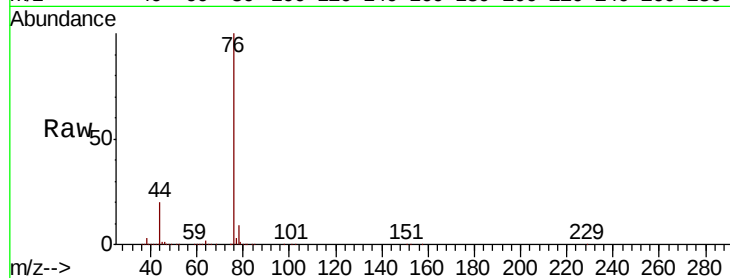
#27
Carbon Disulfide
Concen: 8.739 ppbv
RT: 4.62 min Scan# 524
Delta R.T. 0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
76	100		
44	18.6	15.0	22.4
78	9.4	7.4	11.0

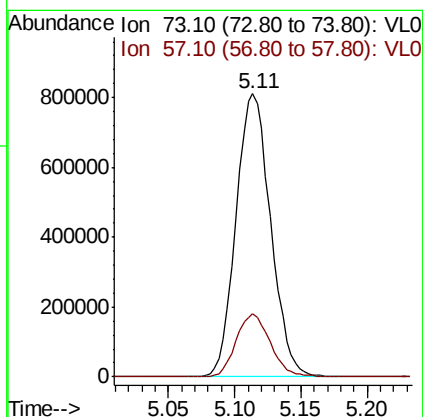
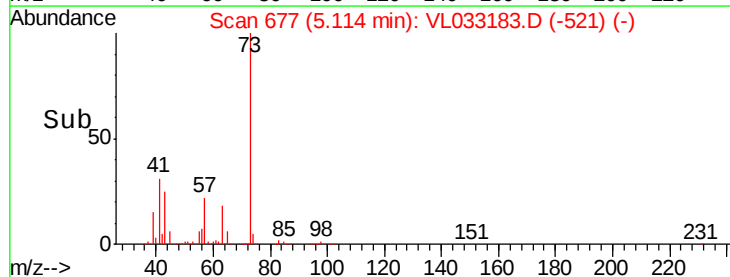
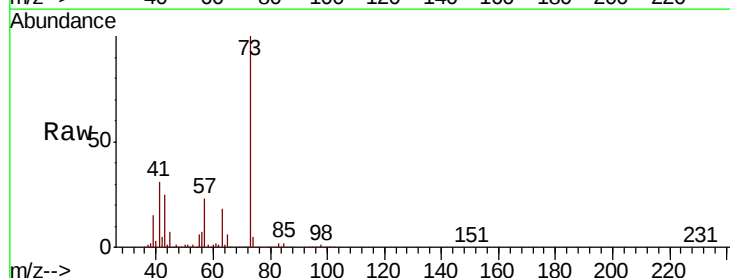
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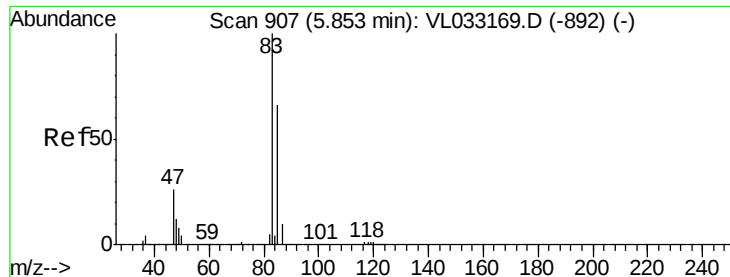
MMDadoda
2/20/2019 12:21:33 PM



#28
Methyl tert-Butyl Ether
Concen: 8.842 ppbv
RT: 5.11 min Scan# 677
Delta R.T. 0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Tgt Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.9	26.9





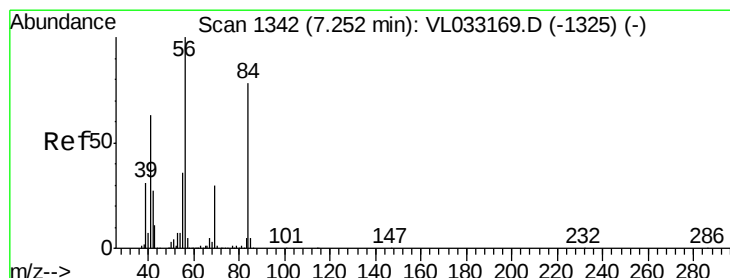
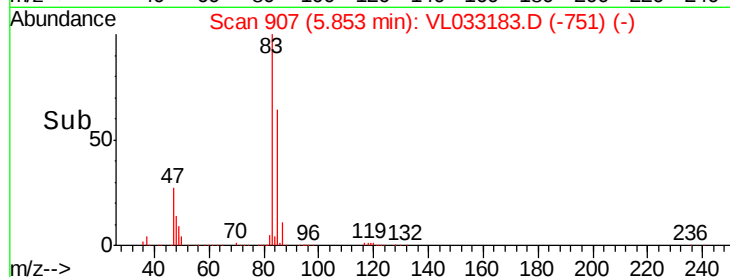
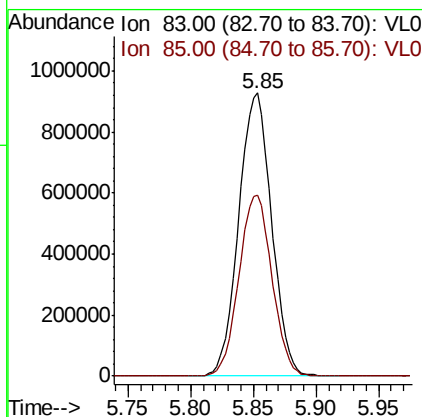
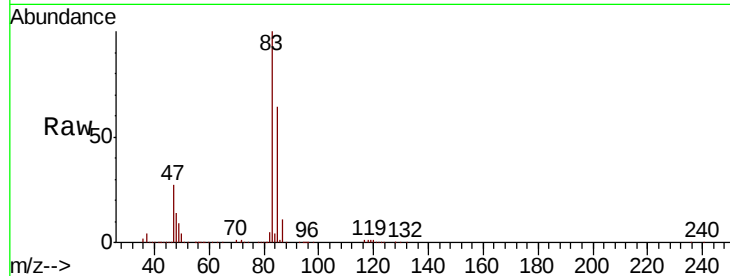
#29
Chloroform
Concen: 9.073 ppbv
RT: 5.85 min Scan# 907
Delta R.T. 0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 83 Resp: 1693822
Ion Ratio Lower Upper
83 100
85 63.7 52.6 78.8

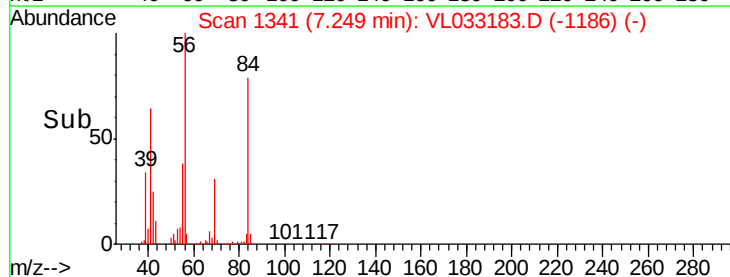
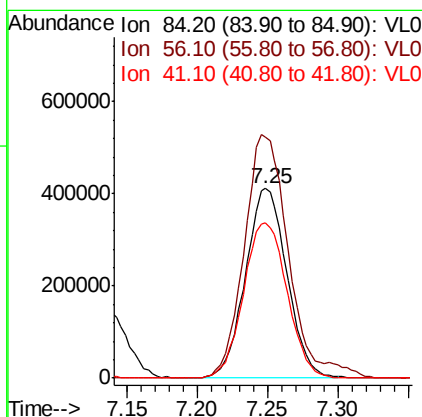
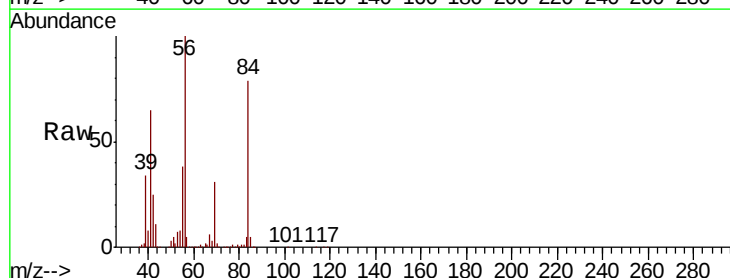
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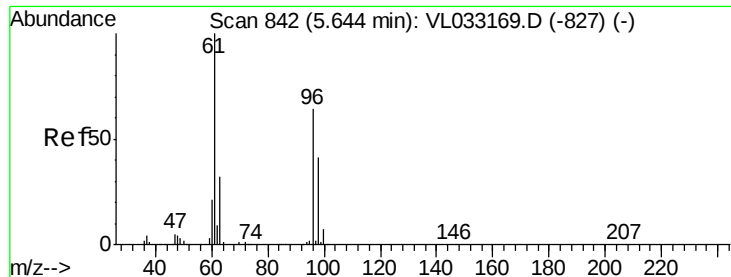
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#30
Cyclohexane
Concen: 7.501 ppbv
RT: 7.25 min Scan# 1341
Delta R.T. -0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Tgt Ion: 84 Resp: 847896
Ion Ratio Lower Upper
84 100
56 137.7 109.5 164.3
41 86.0 66.6 100.0





#31

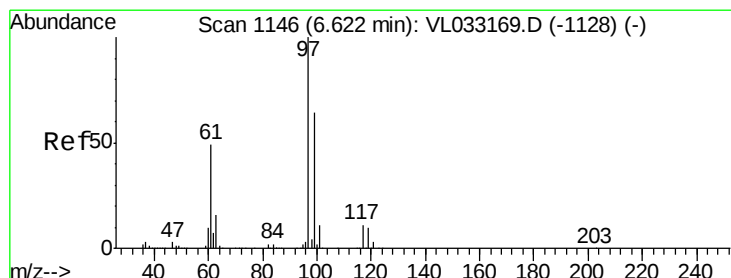
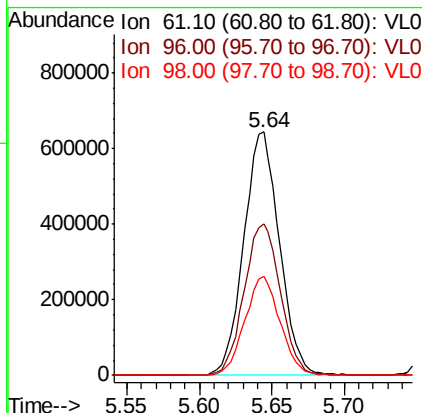
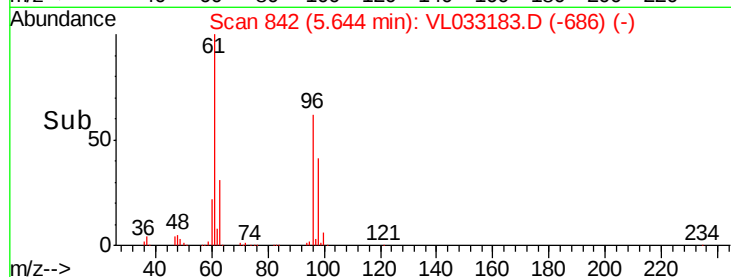
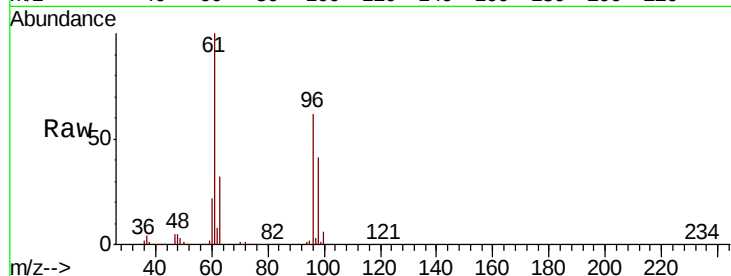
cis-1,2-Dichloroethene
Concen: 9.046 ppbv
RT: 5.64 min Scan# 842
Delta R.T. 0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 61 Resp: 1103079
Ion Ratio Lower Upper
61 100
96 62.2 51.2 76.8
98 40.7 32.8 49.2

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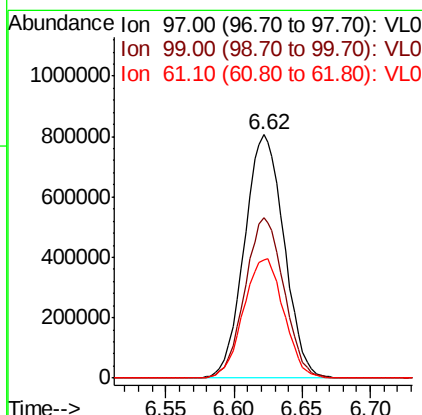
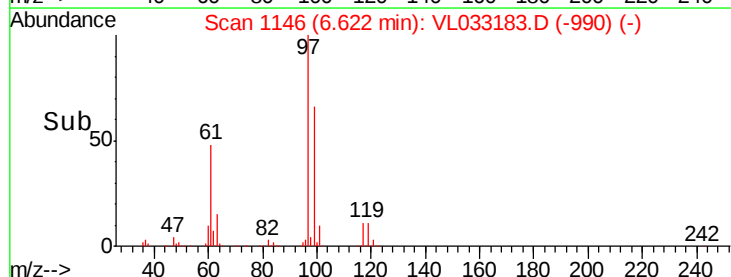
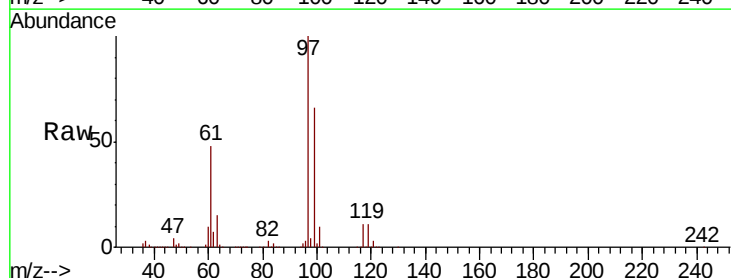
MMDadoda
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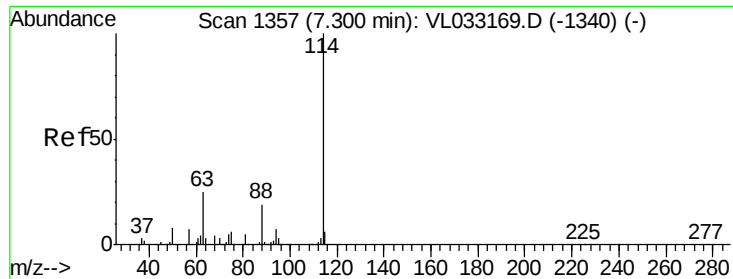


#32

1,1,1-Trichloroethane
Concen: 7.891 ppbv
RT: 6.62 min Scan# 1146
Delta R.T. 0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Tgt Ion: 97 Resp: 1622176
Ion Ratio Lower Upper
97 100
99 65.0 51.4 77.2
61 50.0 38.8 58.2





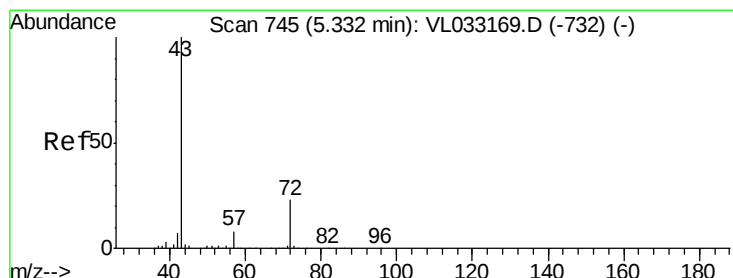
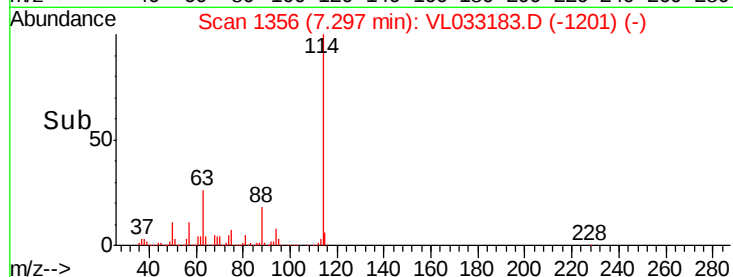
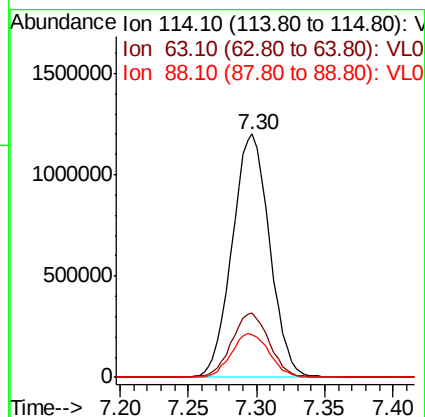
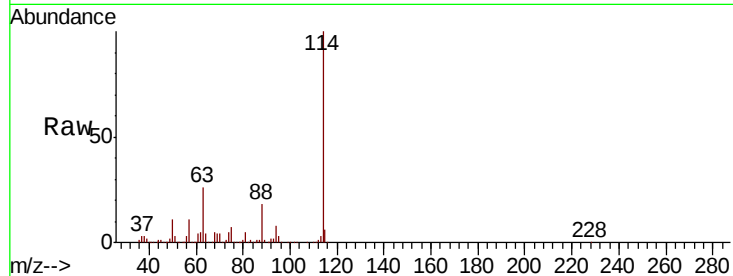
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.30 min Scan# 1356
Delta R.T. -0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 114 Resp: 2289715
Ion Ratio Lower Upper
114 100
63 26.8 20.8 31.2
88 18.2 14.6 22.0

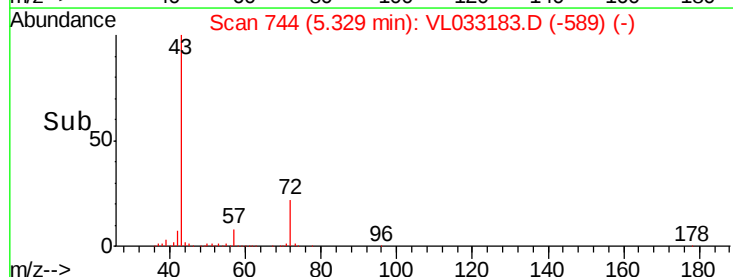
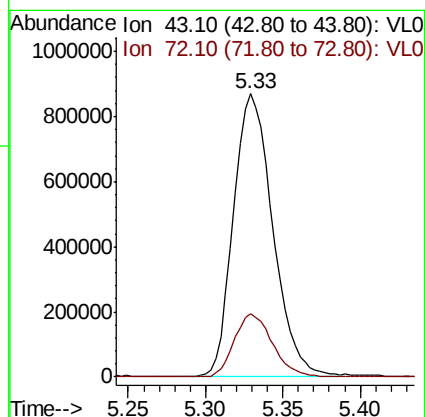
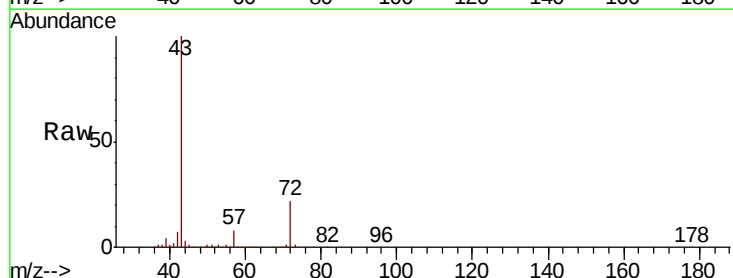
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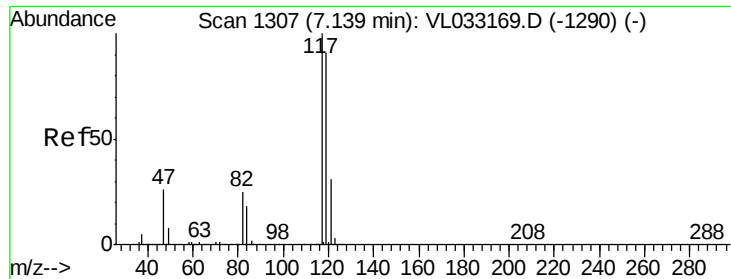
MMDadoda
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#34
2-Butanone
Concen: 10.565 ppbv
RT: 5.33 min Scan# 744
Delta R.T. -0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Tgt Ion: 43 Resp: 1534459
Ion Ratio Lower Upper
43 100
72 21.7 17.8 26.6





#35

Carbon Tetrachloride

Concen: 9.517 ppbv

RT: 7.13 min Scan# 1305

Delta R.T. -0.01 min

Lab File: VL033183.D

Acq: 6 Feb 2019 18:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 117 Resp: 1664143

Ion Ratio Lower Upper

117 100

119 92.5 73.0 109.6

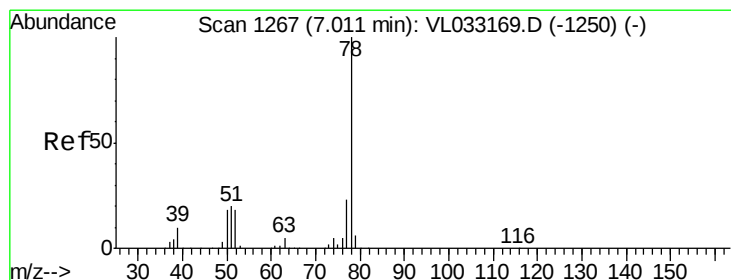
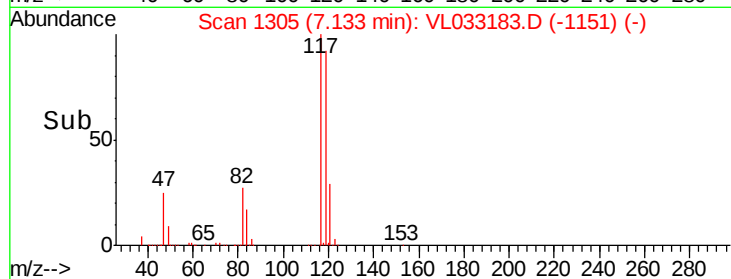
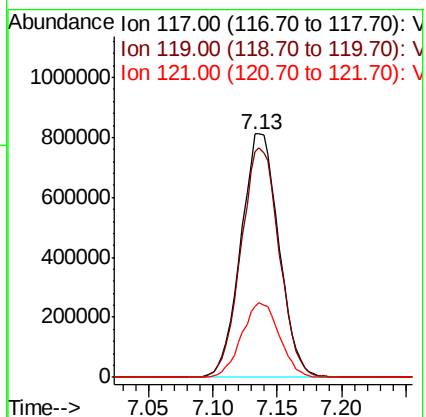
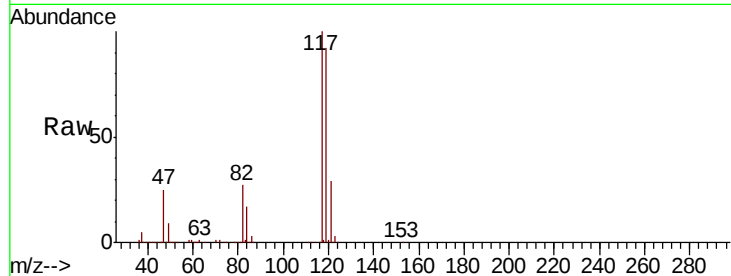
121 28.9 25.1 37.7

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#36

Benzene

Concen: 9.270 ppbv

RT: 7.01 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VL033183.D

Acq: 6 Feb 2019 18:33

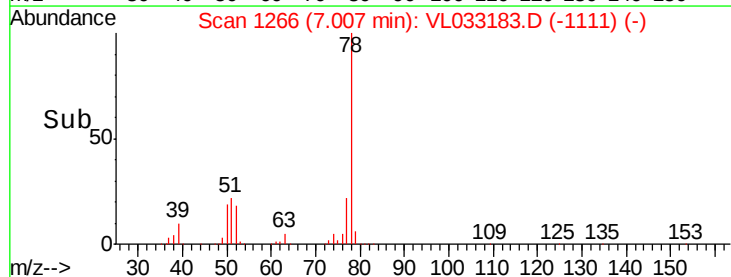
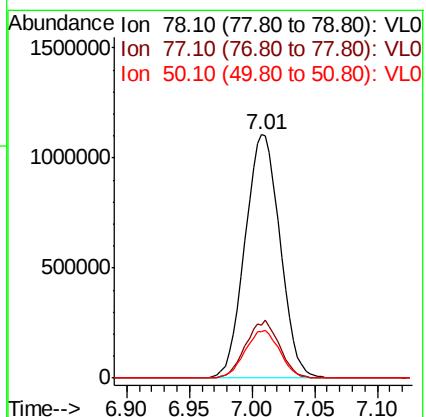
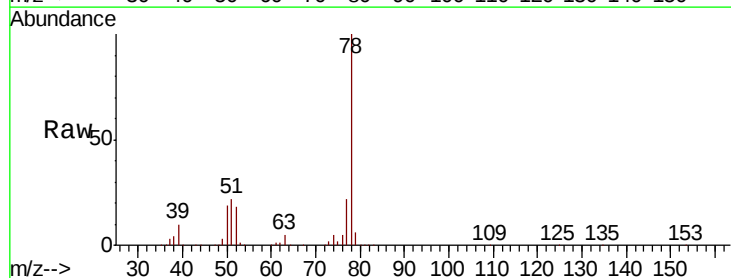
Tgt Ion: 78 Resp: 2151306

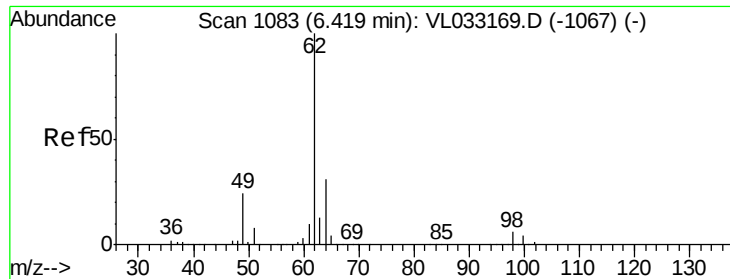
Ion Ratio Lower Upper

78 100

77 21.9 18.0 27.0

50 19.0 14.2 21.2





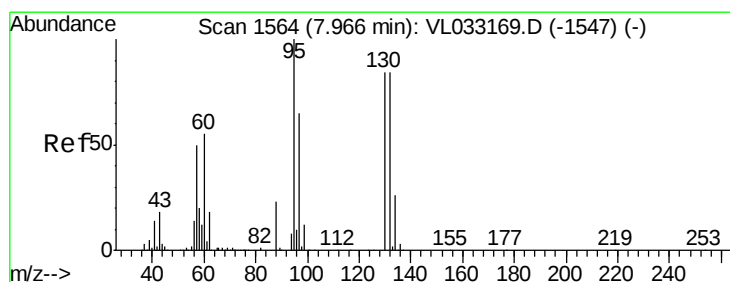
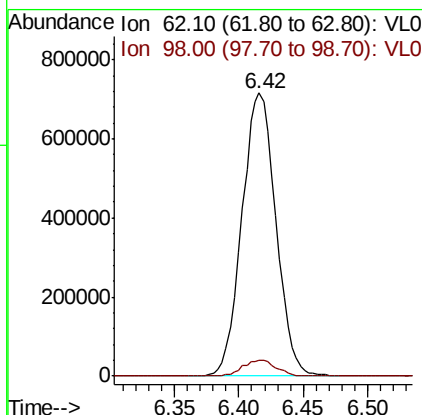
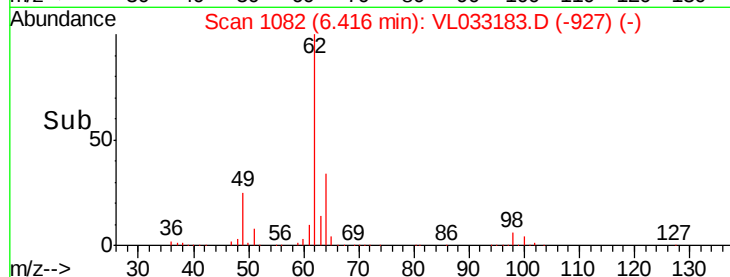
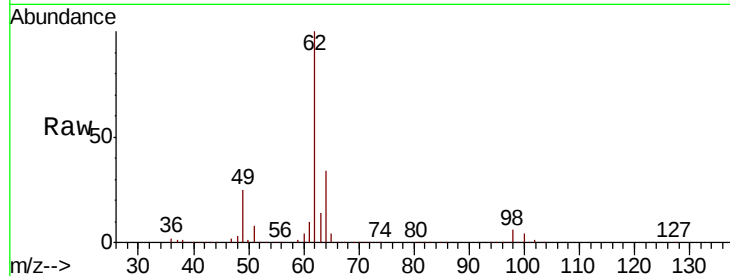
#37
 1,2-Dichloroethane
 Concen: 10.219 ppbv
 RT: 6.42 min Scan# 1082
 Delta R.T. -0.00 min
 Lab File: VL033183.D
 Acq: 6 Feb 2019 18:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 62 Resp: 1314262
 Ion Ratio Lower Upper
 62 100
 98 5.7 4.7 7.1

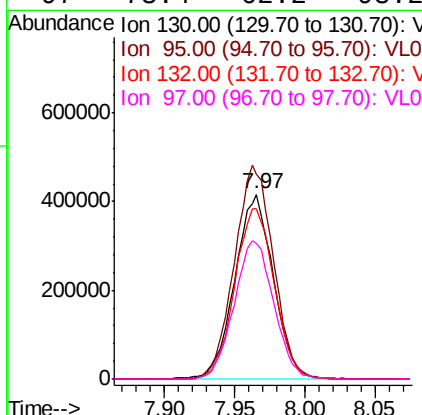
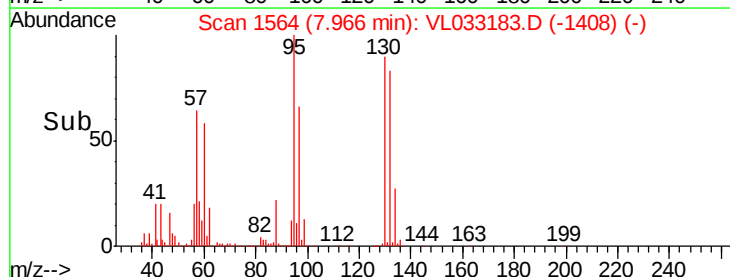
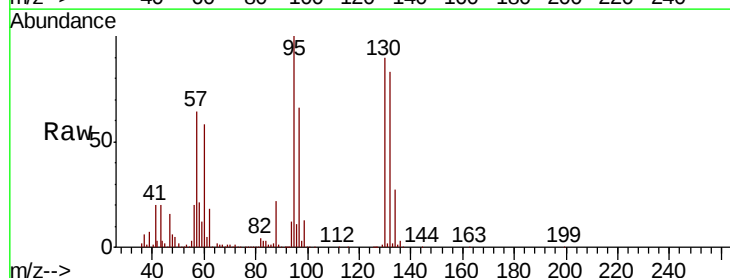
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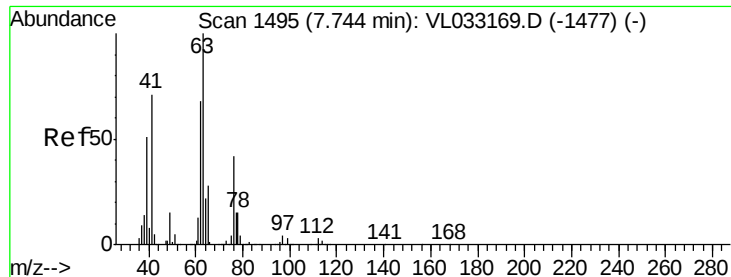
MMDadoda
 2/20/2019 12:21:33 PM



#38
 Trichloroethene
 Concen: 7.968 ppbv
 RT: 7.97 min Scan# 1564
 Delta R.T. 0.00 min
 Lab File: VL033183.D
 Acq: 6 Feb 2019 18:33

Tgt Ion: 130 Resp: 790186
 Ion Ratio Lower Upper
 130 100
 95 111.3 95.5 143.3
 132 92.5 80.0 120.0
 97 73.4 62.2 93.2





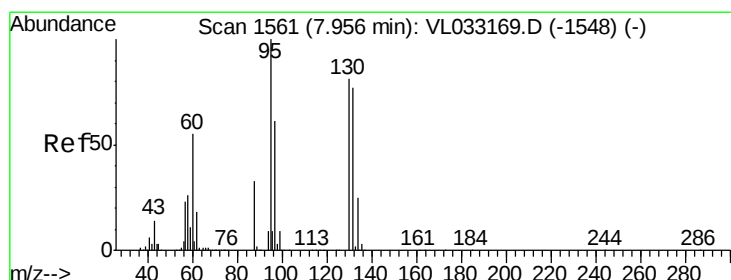
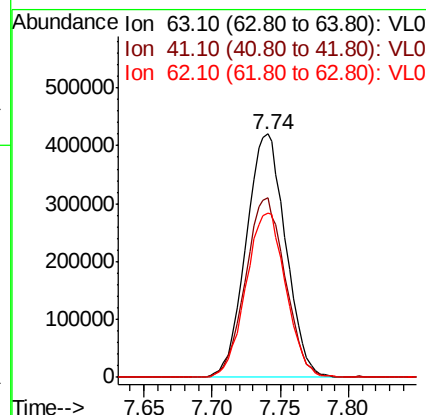
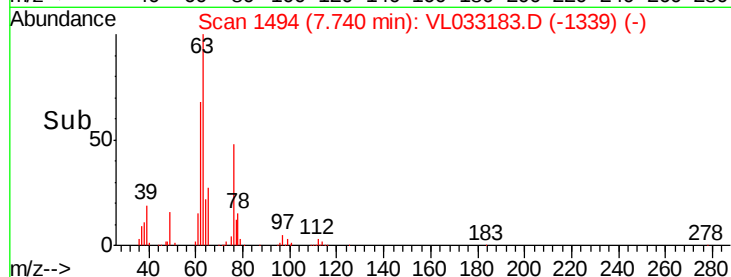
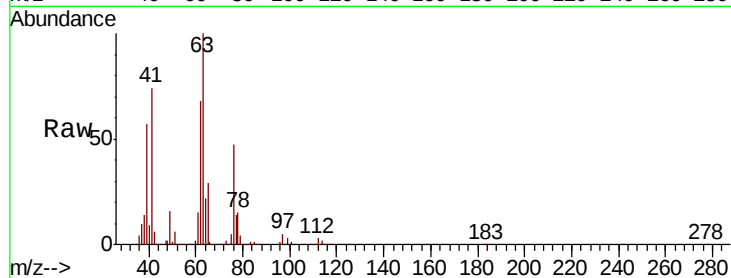
#39
 1,2-Dichloropropane
 Concen: 9.231 ppbv
 RT: 7.74 min Scan# 1494
 Delta R.T. -0.00 min
 Lab File: VL033183.D
 Acq: 6 Feb 2019 18:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
63	100		
41	73.8	56.4	84.6
62	67.5	54.2	81.4

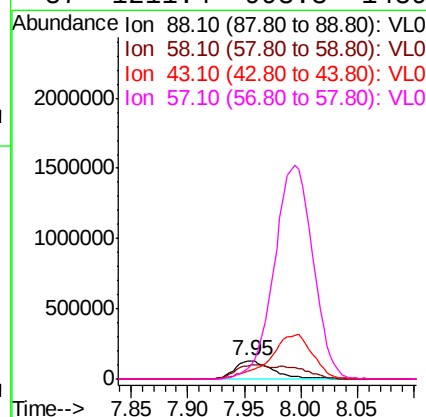
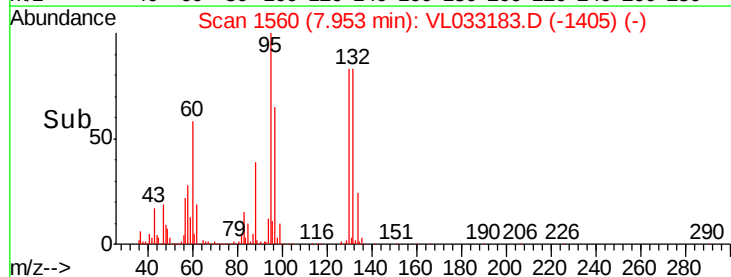
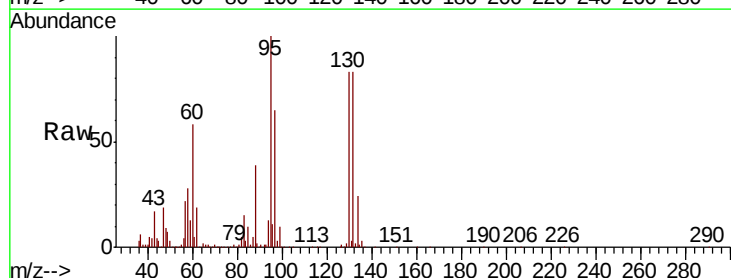
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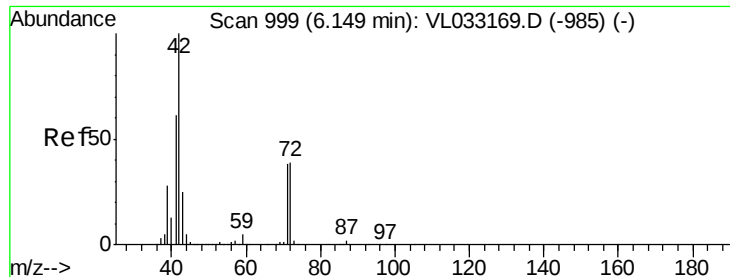
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#40
 1,4-Dioxane
 Concen: 9.227 ppbv
 RT: 7.95 min Scan# 1560
 Delta R.T. -0.00 min
 Lab File: VL033183.D
 Acq: 6 Feb 2019 18:33

Tgt Ion	Ratio	Lower	Upper
88	100		
58	130.7	106.4	159.6
43	277.7	219.6	329.4
57	1211.4	993.3	1489.9





#41

Tetrahydrofuran

Concen: 10.152 ppbv

RT: 6.15 min Scan# 999

Delta R.T. 0.00 min

Lab File: VL033183.D

Acq: 6 Feb 2019 18:33

Instrument :

MSVOA_L

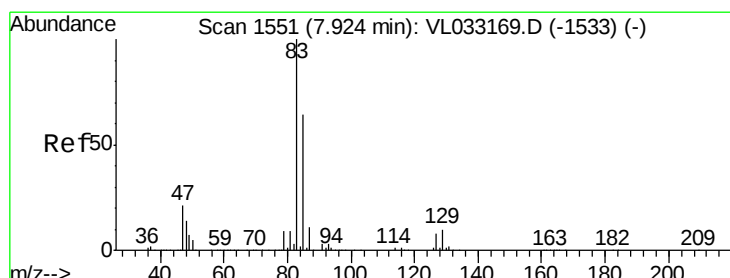
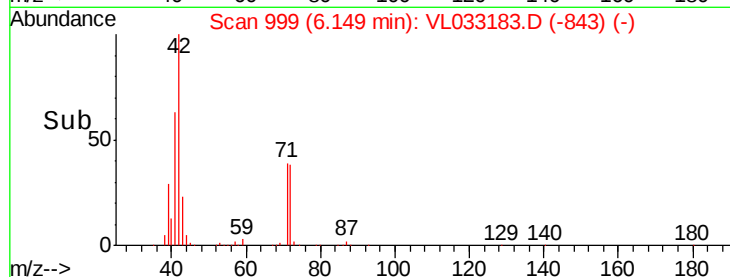
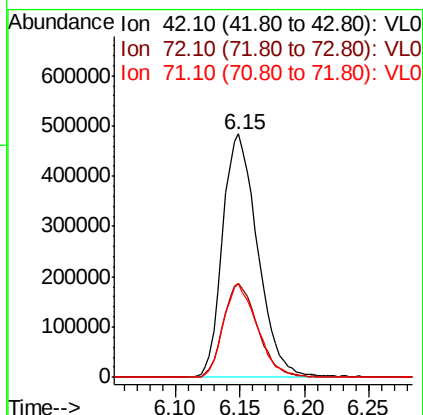
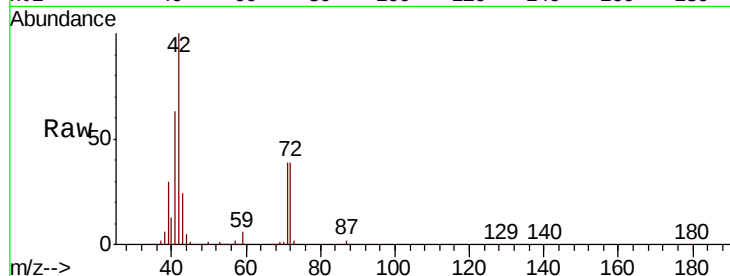
ClientSampleId :

VSTDCCC010EC

Tgt Ion:	42	Resp:	911497
Ion Ratio		Lower	Upper
42	100		
72	38.1	31.4	47.2
71	37.4	30.2	45.2

Manual Integrations
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#42

Bromodichloromethane

Concen: 10.001 ppbv

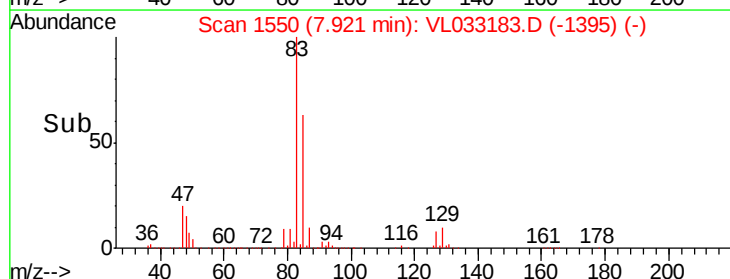
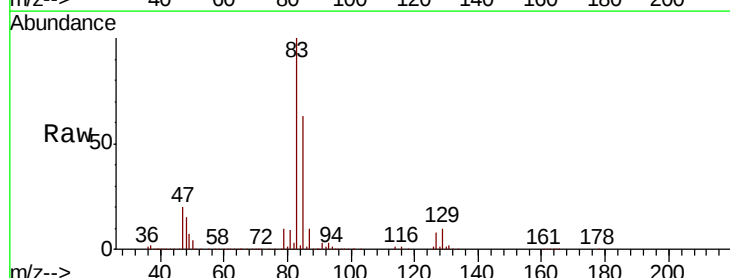
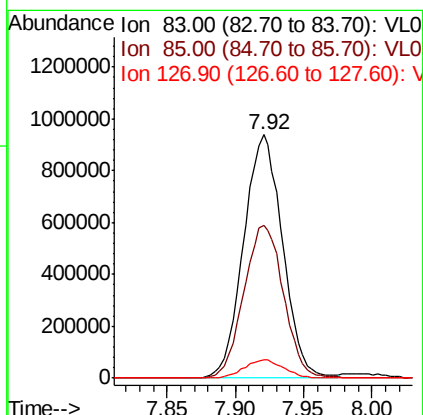
RT: 7.92 min Scan# 1550

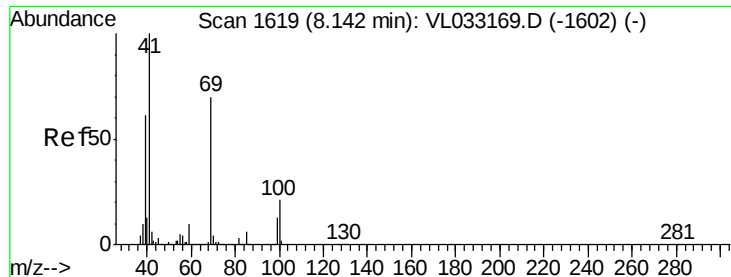
Delta R.T. -0.00 min

Lab File: VL033183.D

Acq: 6 Feb 2019 18:33

Tgt Ion:	83	Resp:	1863935
Ion Ratio		Lower	Upper
83	100		
85	62.5	51.1	76.7
127	7.7	6.4	9.6





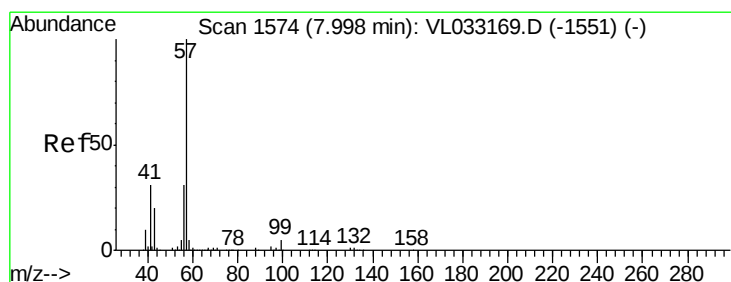
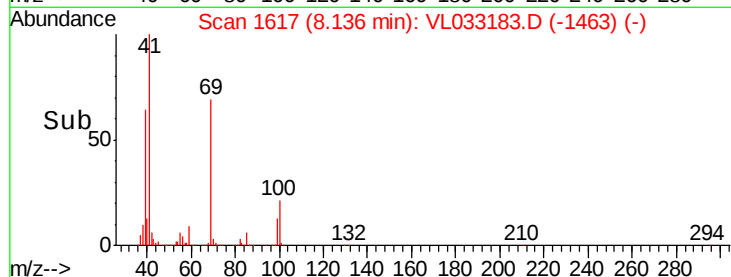
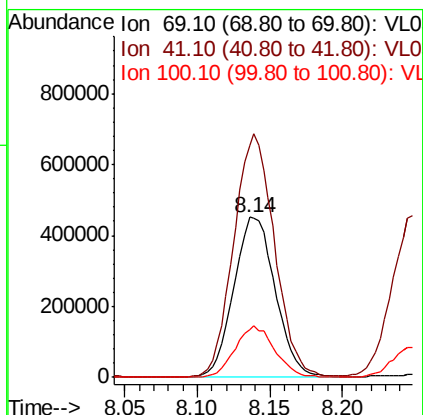
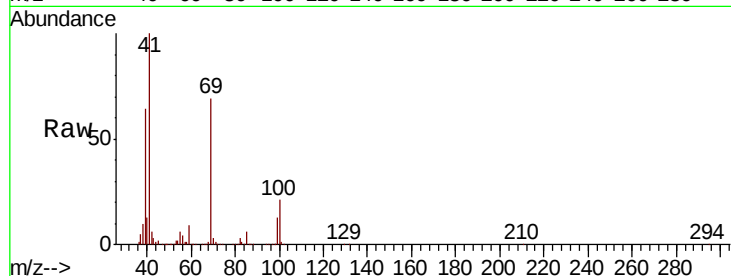
#43
Methyl Methacrylate
Concen: 9.642 ppbv
RT: 8.14 min Scan# 1617
Delta R.T. -0.01 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 69 Resp: 898319
Ion Ratio Lower Upper
69 100
41 149.4 117.1 175.7
100 30.6 25.0 37.6

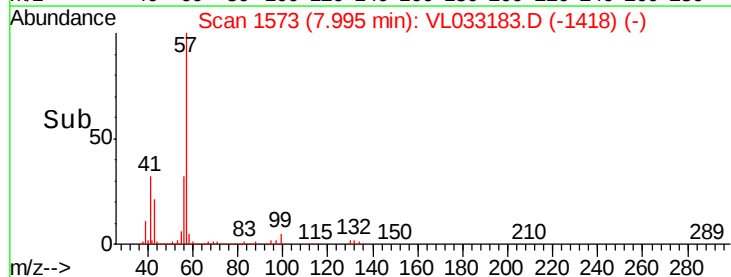
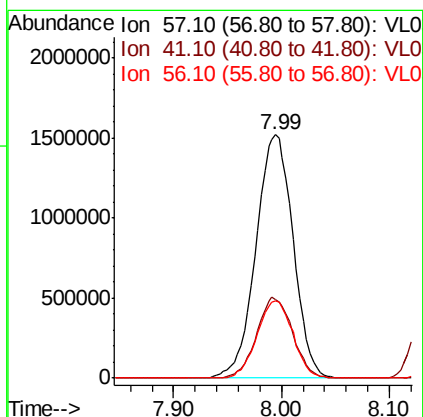
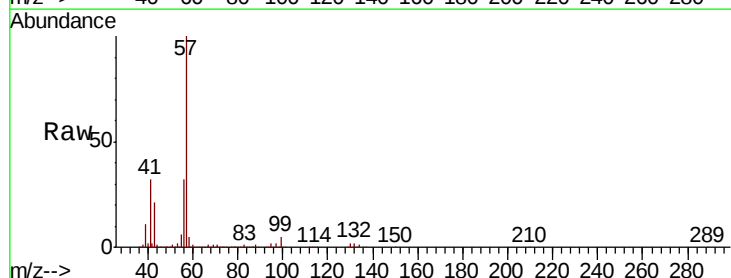
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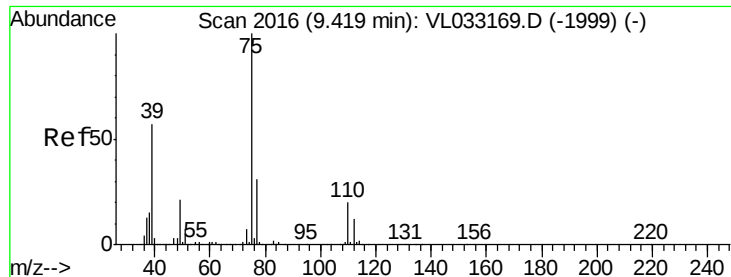
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#44
2,2,4-Trimethylpentane
Concen: 9.232 ppbv
RT: 7.99 min Scan# 1573
Delta R.T. -0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Tgt Ion: 57 Resp: 3630330
Ion Ratio Lower Upper
57 100
41 32.1 25.2 37.8
56 30.9 24.5 36.7





#45

t-1,3-Dichloropropene

Concen: 11.575 ppbv

RT: 9.42 min Scan# 2016

Delta R.T. 0.00 min

Lab File: VL033183.D

Acq: 6 Feb 2019 18:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 75 Resp: 1194172

Ion Ratio Lower Upper

75 100

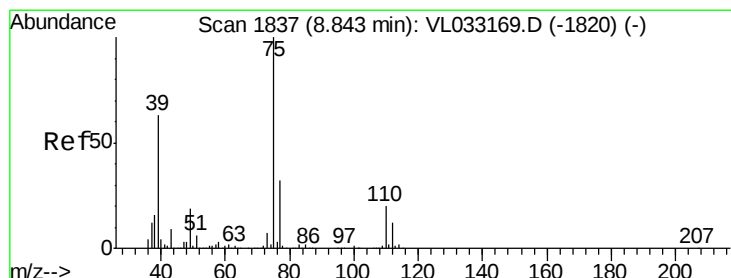
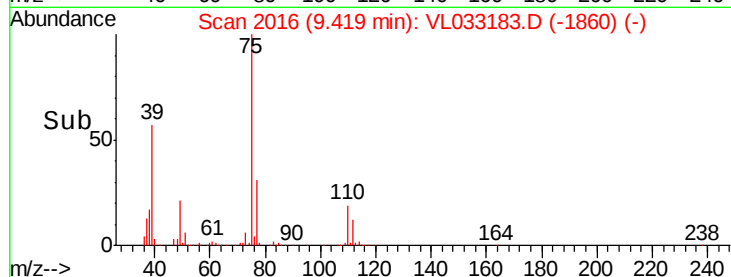
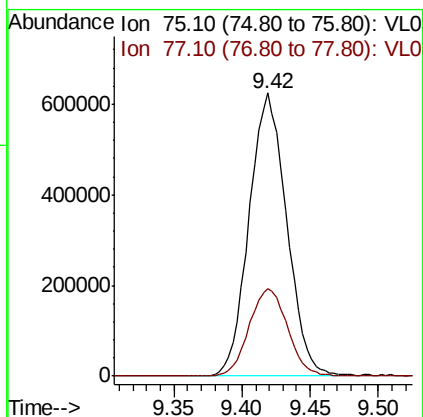
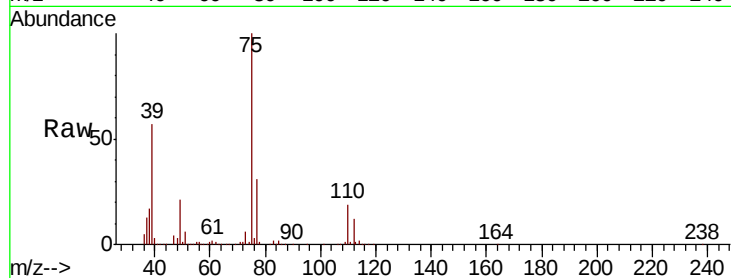
77 30.8 25.0 37.4

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#46

cis-1,3-Dichloropropene

Concen: 10.345 ppbv

RT: 8.84 min Scan# 1835

Delta R.T. -0.01 min

Lab File: VL033183.D

Acq: 6 Feb 2019 18:33

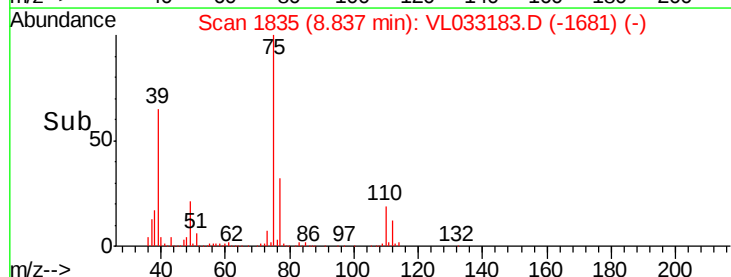
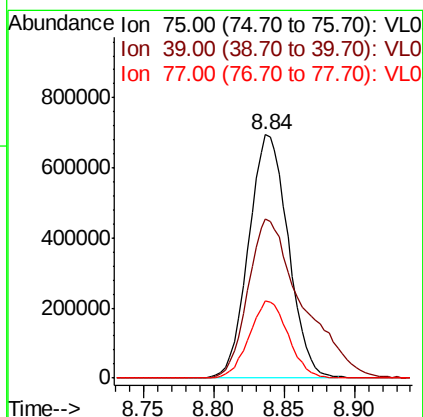
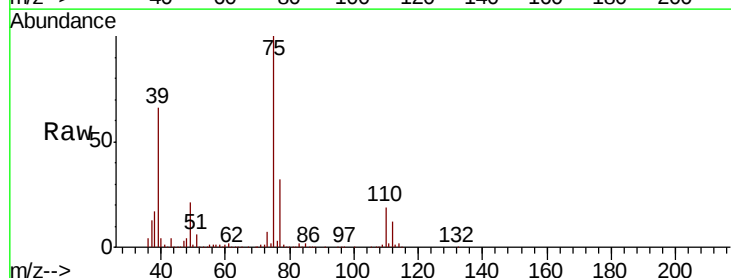
Tgt Ion: 75 Resp: 1363726

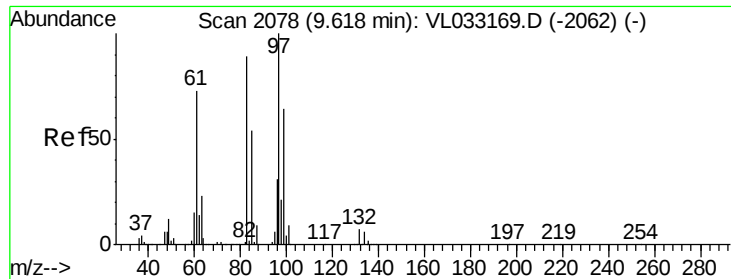
Ion Ratio Lower Upper

75 100

39 65.5 50.1 75.1

77 31.8 25.4 38.2





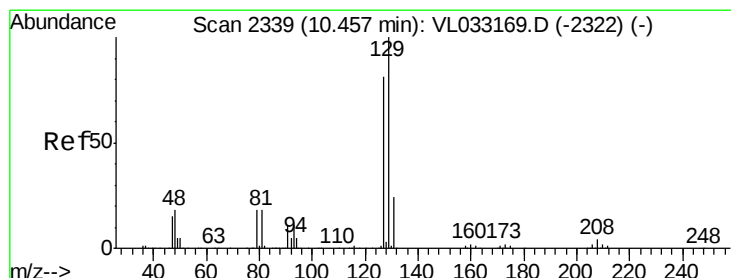
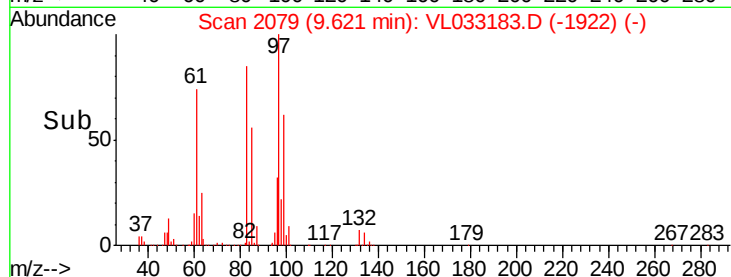
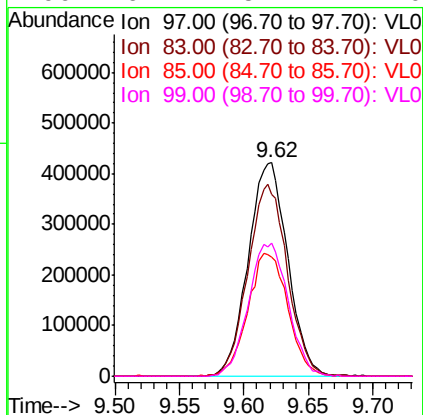
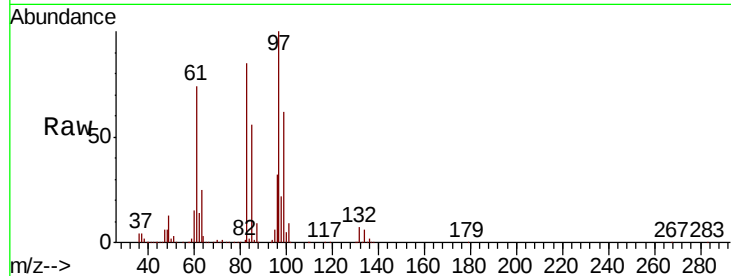
#47
 1,1,2-Trichloroethane
 Concen: 9.491 ppbv
 RT: 9.62 min Scan# 2079
 Delta R.T. 0.00 min
 Lab File: VL033183.D
 Acq: 6 Feb 2019 18:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.0	71.4	107.2
85	55.7	43.5	65.3
99	62.1	51.4	77.0

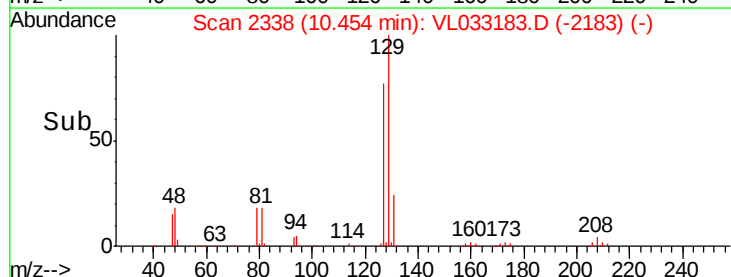
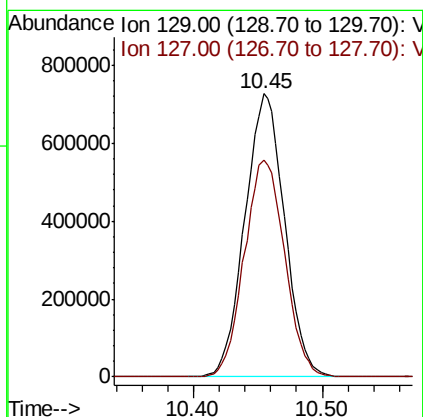
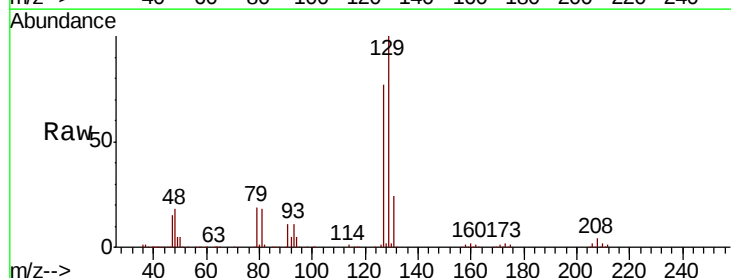
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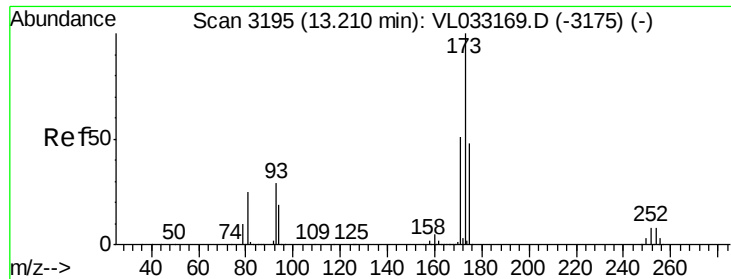
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#48
 Dibromochloromethane
 Concen: 10.384 ppbv
 RT: 10.45 min Scan# 2338
 Delta R.T. -0.00 min
 Lab File: VL033183.D
 Acq: 6 Feb 2019 18:33

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.1	39.1	117.3





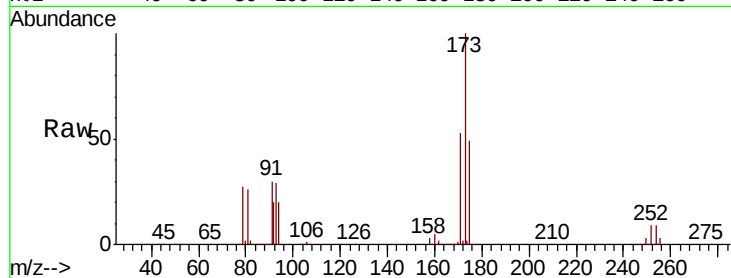
#49
Bromoform
Concen: 10.484 ppbv
RT: 13.21 min Scan# 3194
Delta R.T. -0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

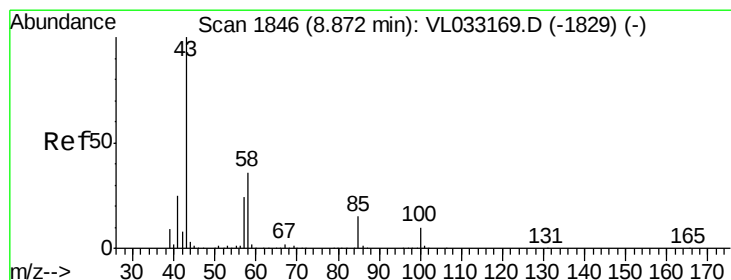
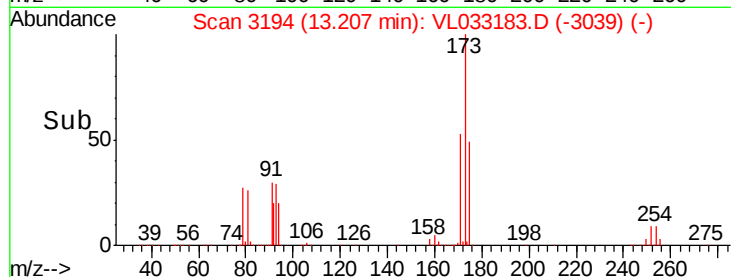
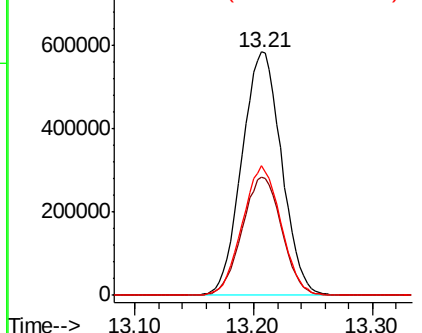
Tgt Ion:173 Resp: 1350704
Ion Ratio Lower Upper
173 100
175 48.5 38.6 58.0
171 51.7 41.6 62.4

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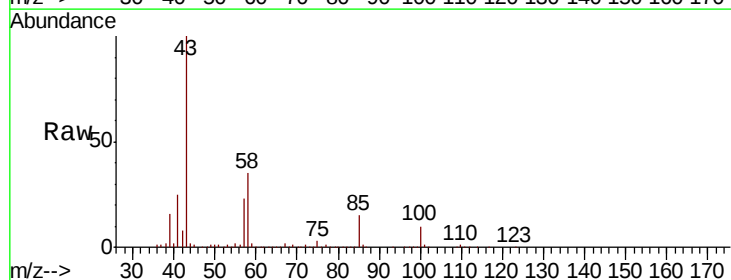


Abundance Ion 172.90 (172.60 to 173.60): V
800000 Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V

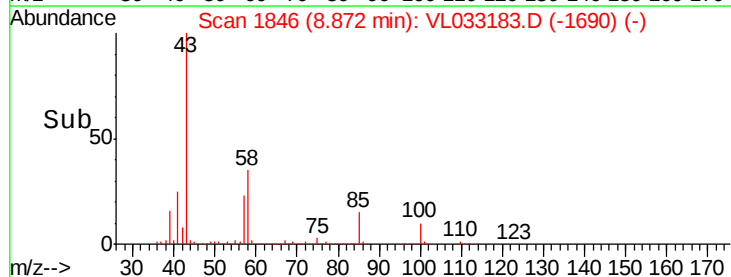
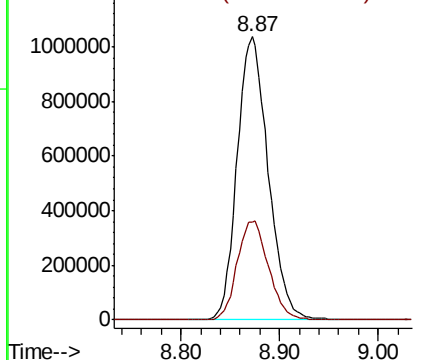


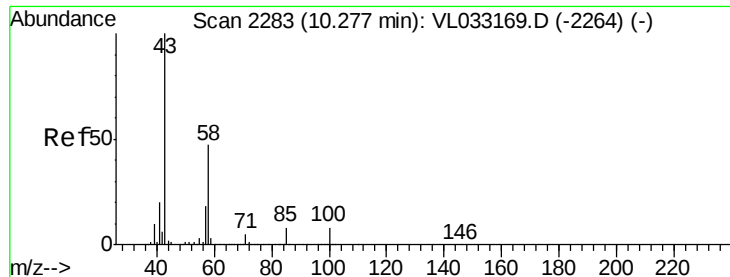
#50
4-Methyl-2-Pentanone
Concen: 9.711 ppbv
RT: 8.87 min Scan# 1846
Delta R.T. 0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Tgt Ion: 43 Resp: 2261612
Ion Ratio Lower Upper
43 100
58 35.2 29.0 43.6



Abundance Ion 43.10 (42.80 to 43.80): VL0
1200000 Ion 58.10 (57.80 to 58.80): VL0





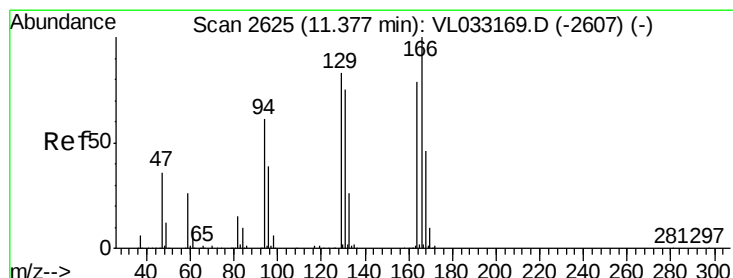
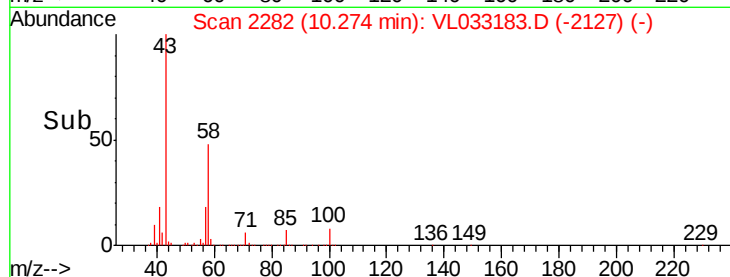
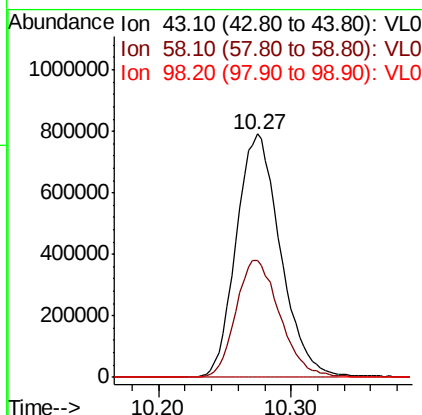
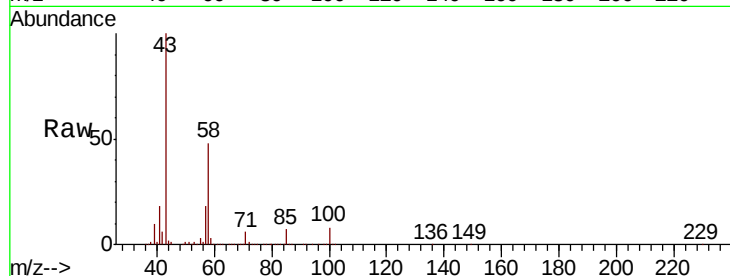
#51
2-Hexanone
Concen: 9.926 ppbv
RT: 10.27 min Scan# 2282
Delta R.T. -0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 43 Resp: 1822748
Ion Ratio Lower Upper
43 100
58 48.6 39.0 58.6
98 0.1 0.1 0.1

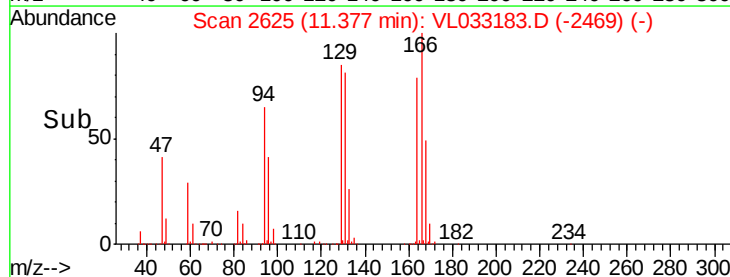
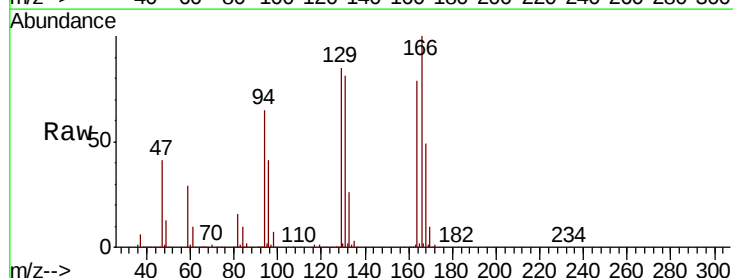
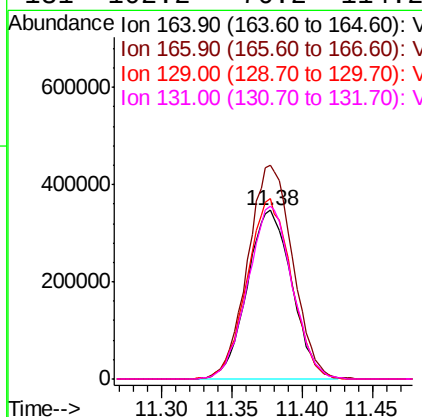
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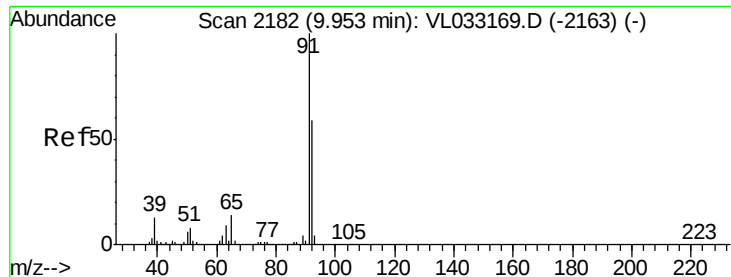
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#52
Tetrachloroethene
Concen: 8.609 ppbv
RT: 11.38 min Scan# 2625
Delta R.T. 0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Tgt Ion: 164 Resp: 767567
Ion Ratio Lower Upper
164 100
166 126.7 100.9 151.3
129 107.3 83.9 125.9
131 102.2 76.2 114.2





#53

Toluene

Concen: 9.405 ppbv

RT: 9.95 min Scan# 2181

Delta R.T. -0.00 min

Lab File: VL033183.D

Acq: 6 Feb 2019 18:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 91 Resp: 2584351

Ion Ratio Lower Upper

91 100

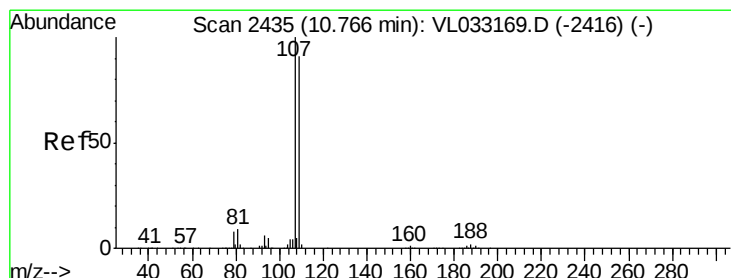
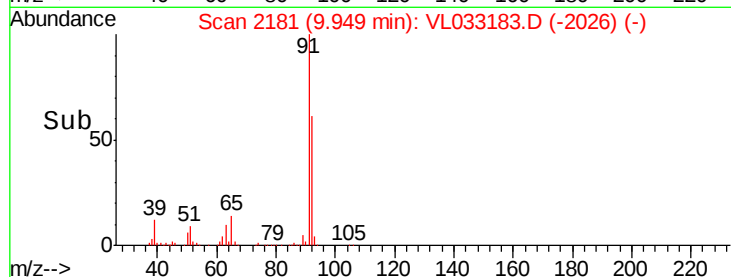
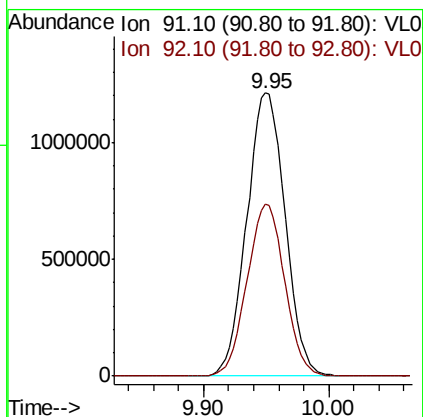
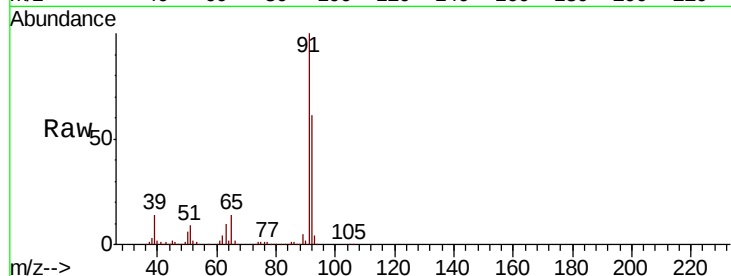
92 59.6 48.0 72.0

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#54

1,2-Dibromoethane

Concen: 9.644 ppbv

RT: 10.77 min Scan# 2435

Delta R.T. 0.00 min

Lab File: VL033183.D

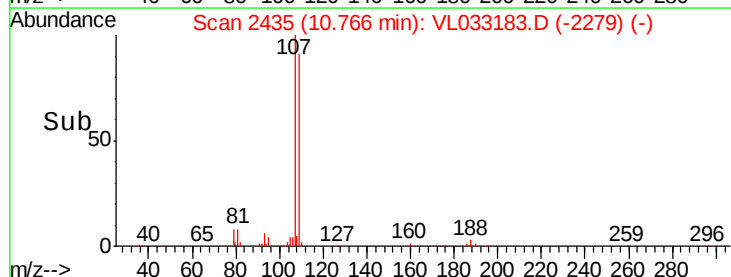
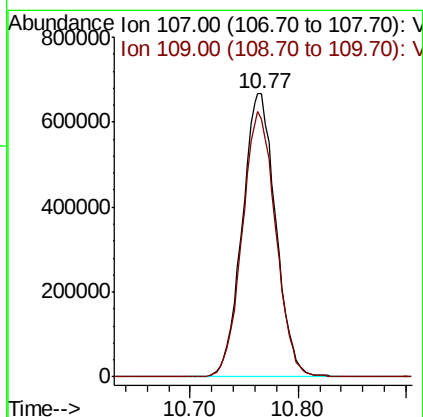
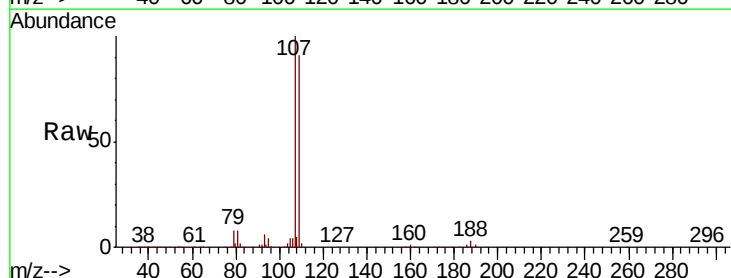
Acq: 6 Feb 2019 18:33

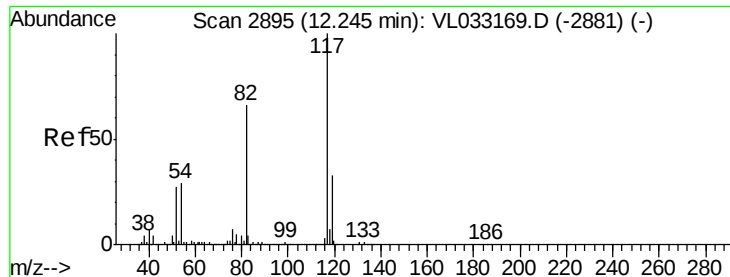
Tgt Ion: 107 Resp: 1438280

Ion Ratio Lower Upper

107 100

109 91.2 73.2 109.8





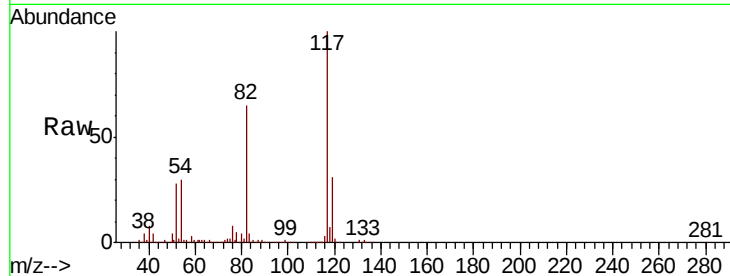
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.24 min Scan# 2894
Delta R.T. -0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

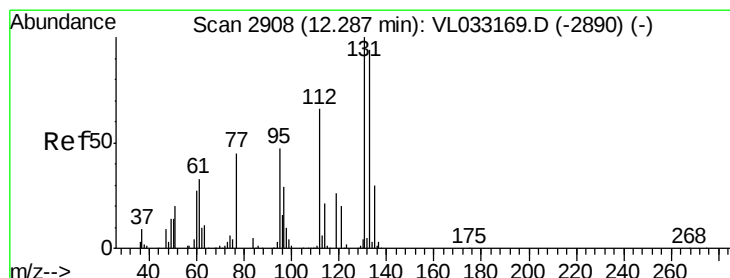
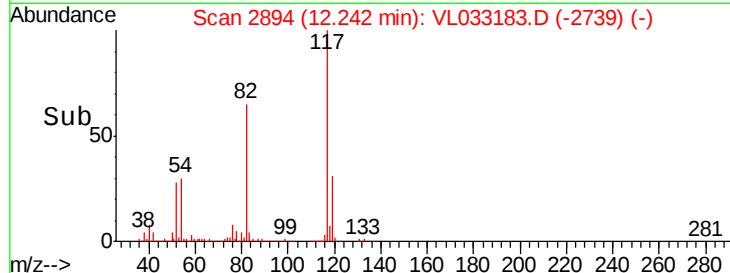
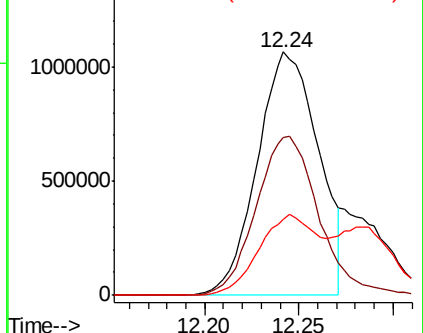
Tgt Ion:117 Resp: 2409069
Ion Ratio Lower Upper
117 100
82 67.2 53.8 80.8
119 36.0 46.9 70.3#

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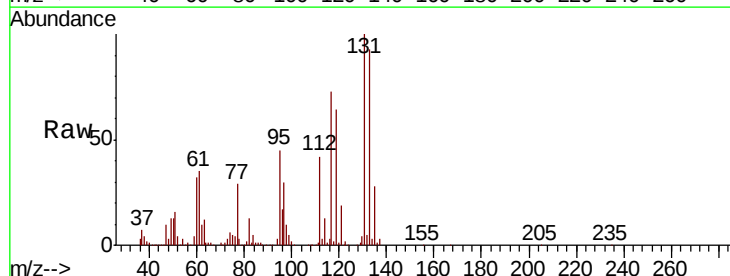


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

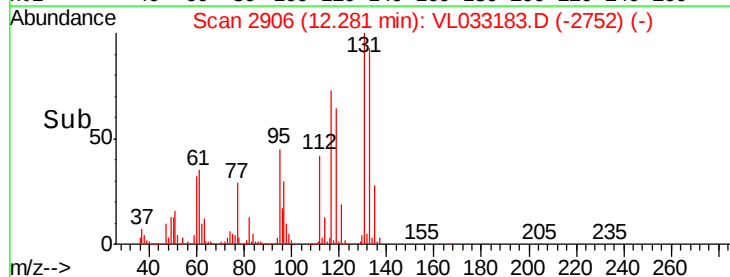
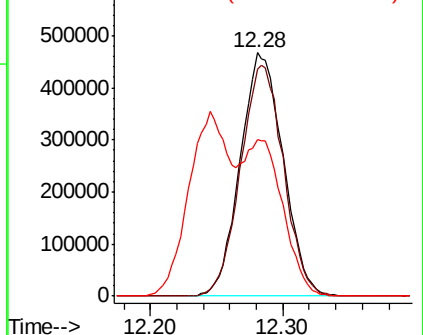


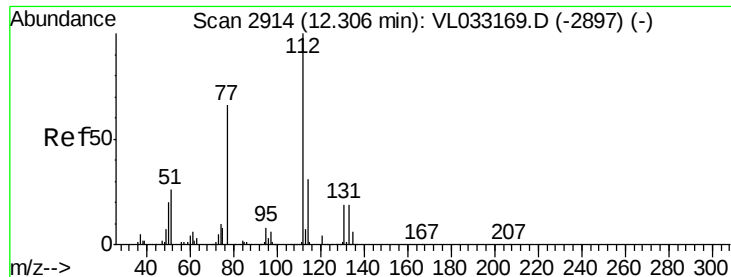
#56
1,1,1,2-Tetrachloroethane
Concen: 9.328 ppbv
RT: 12.28 min Scan# 2906
Delta R.T. -0.01 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Tgt Ion:131 Resp: 1046651
Ion Ratio Lower Upper
131 100
133 95.5 75.8 113.6
119 56.7 48.1 72.1



Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V





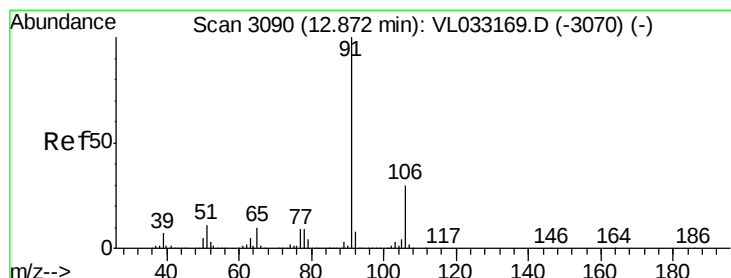
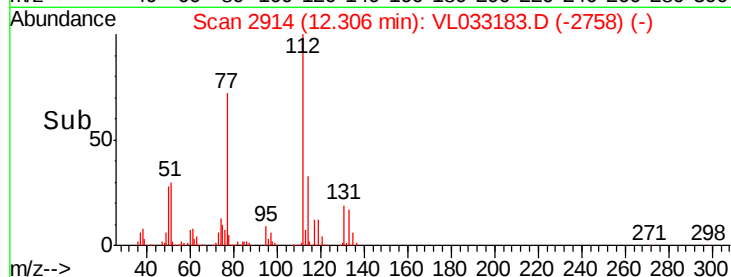
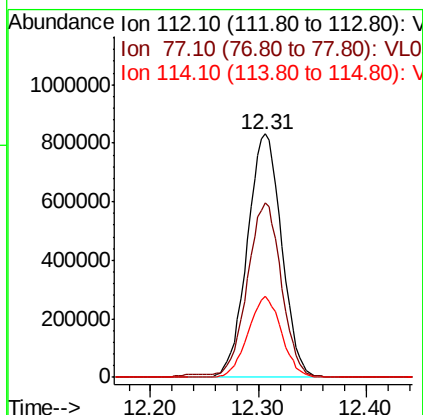
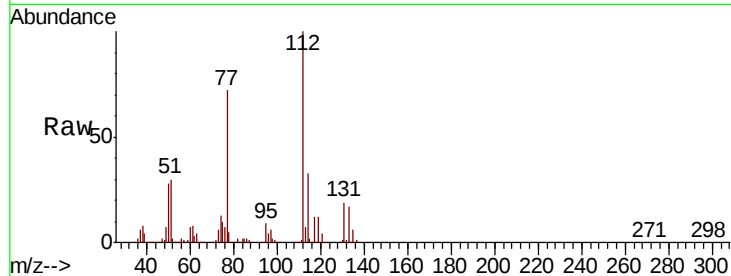
#57
Chlorobenzene
Concen: 8.602 ppbv
RT: 12.31 min Scan# 2914
Delta R.T. 0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 112 Resp: 1833567
Ion Ratio Lower Upper
112 100
77 71.6 54.0 81.0
114 33.2 27.9 34.1

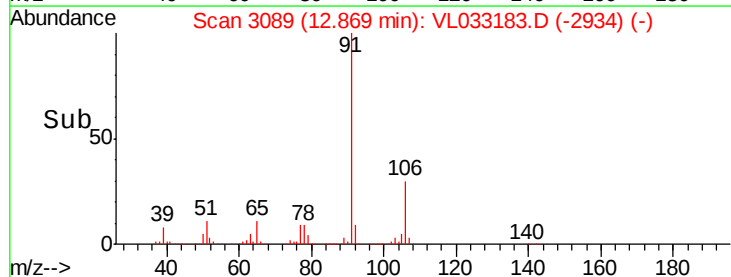
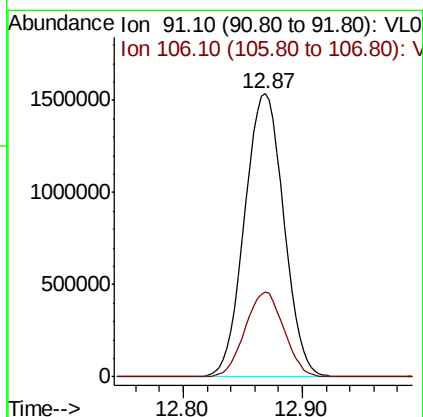
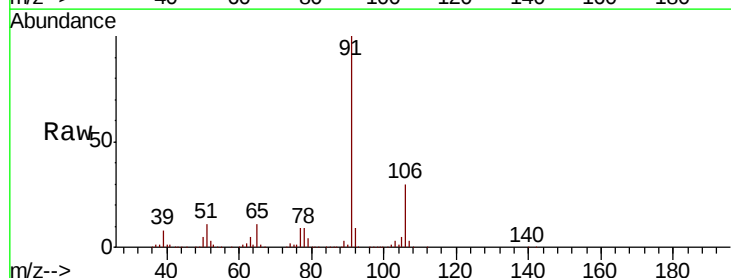
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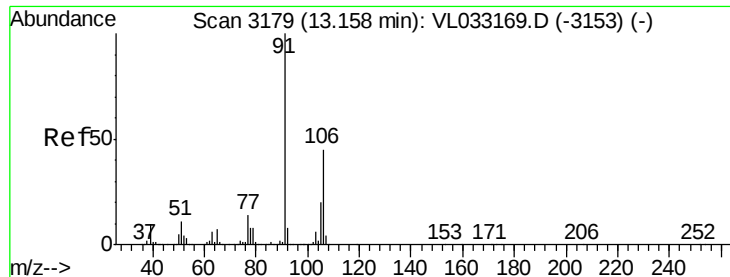
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#58
Ethyl Benzene
Concen: 8.881 ppbv
RT: 12.87 min Scan# 3089
Delta R.T. -0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Tgt Ion: 91 Resp: 3512052
Ion Ratio Lower Upper
91 100
106 29.9 23.8 35.8





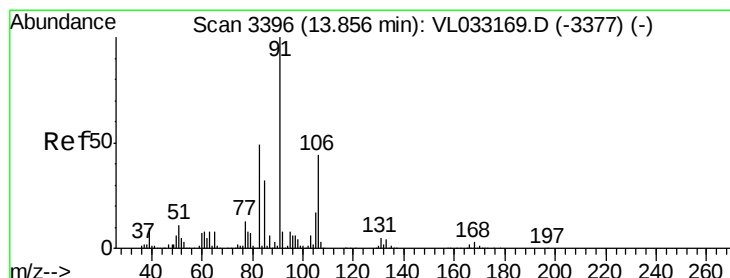
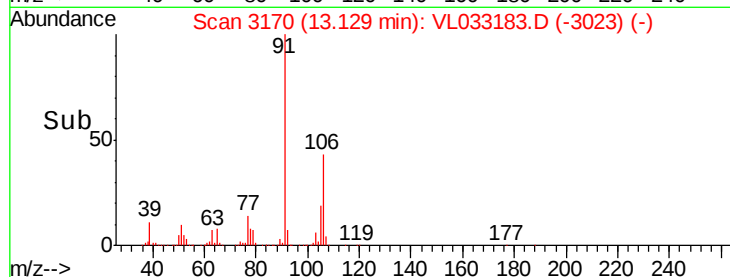
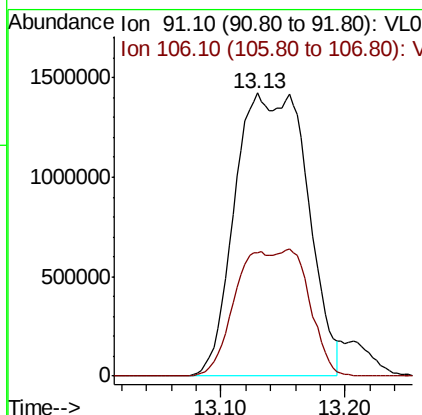
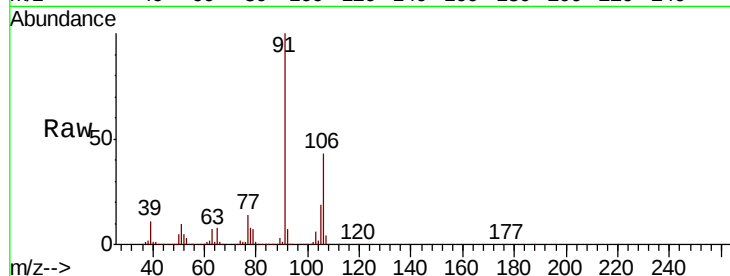
#59
m/p-Xylene
Concen: 17.439 ppbv m
RT: 13.13 min Scan# 3179
Delta R.T. -0.03 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 91 Resp: 5736205
Ion Ratio Lower Upper
91 100
106 44.8 36.6 55.0

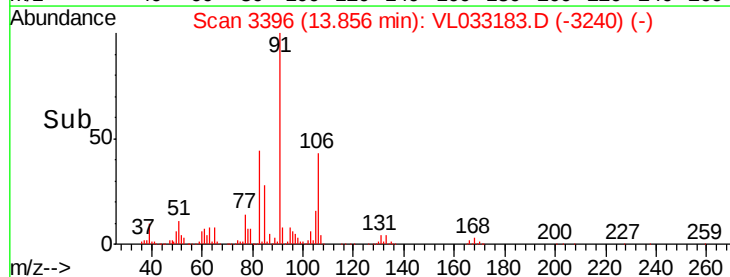
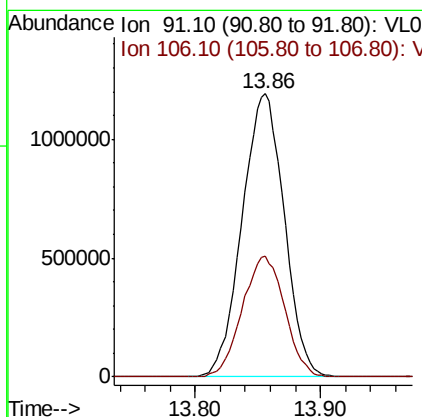
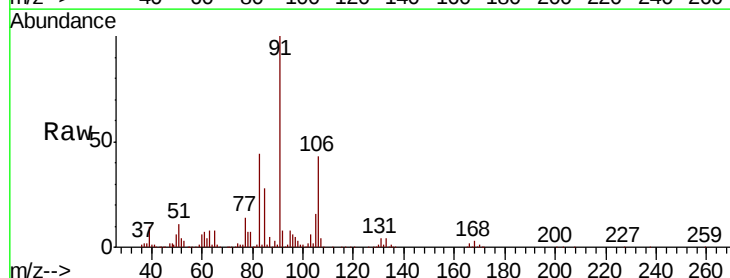
Manual Integrations
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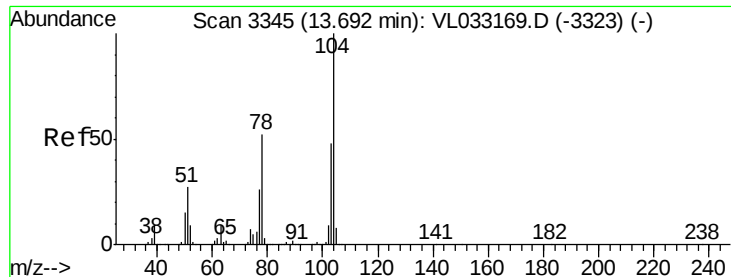
MMDadoda
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#60
o-Xylene
Concen: 8.675 ppbv
RT: 13.86 min Scan# 3396
Delta R.T. 0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Tgt Ion: 91 Resp: 2782471
Ion Ratio Lower Upper
91 100
106 42.9 21.8 65.3





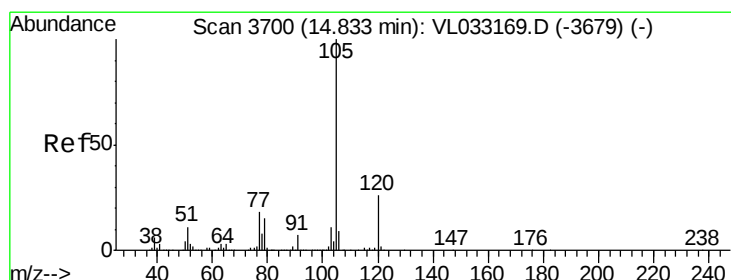
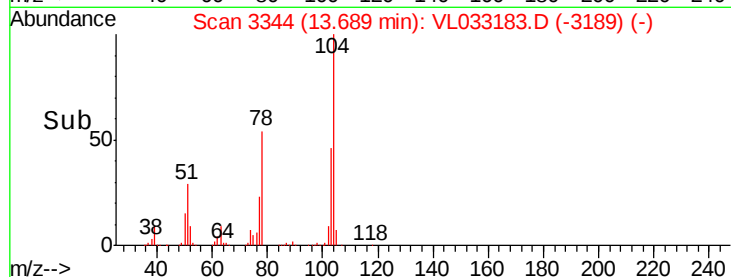
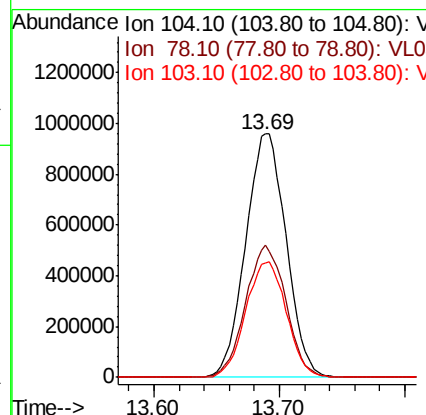
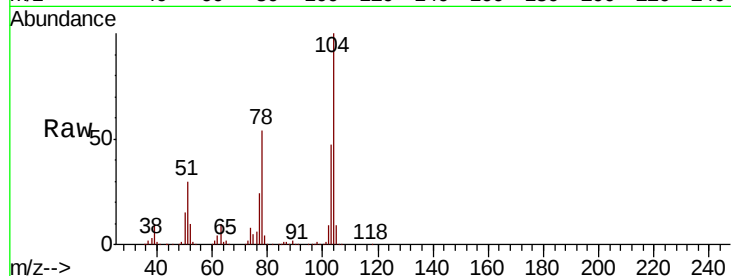
#61
Styrene
Concen: 8.891 ppbv
RT: 13.69 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:104 Resp: 2152732
Ion Ratio Lower Upper
104 100
78 54.0 41.9 62.9
103 47.8 37.9 56.9

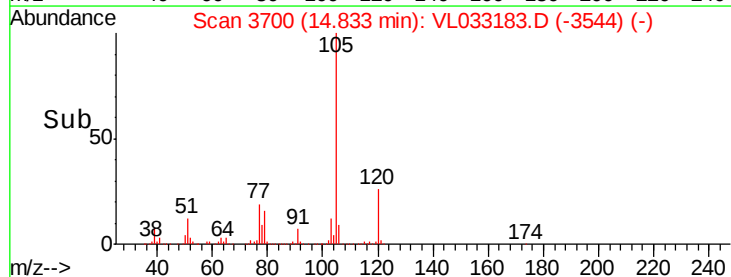
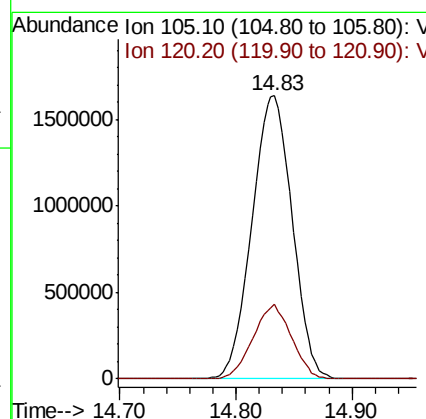
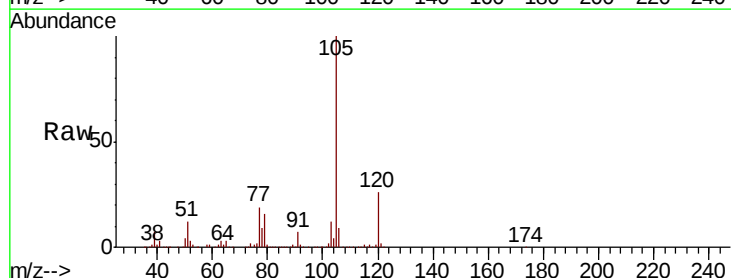
Manual Integrations
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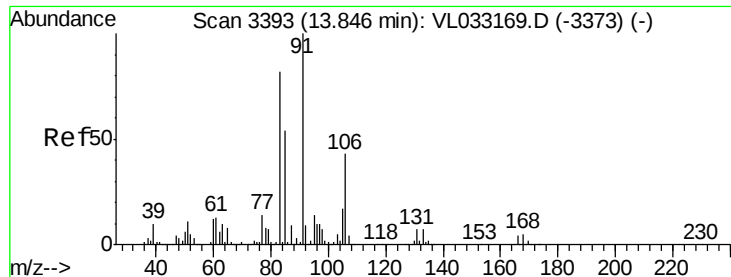
MMDadoda
2/20/2019 12:21:33 PM



#62
Isopropylbenzene
Concen: 8.725 ppbv
RT: 14.83 min Scan# 3700
Delta R.T. 0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Tgt Ion:105 Resp: 3948604
Ion Ratio Lower Upper
105 100
120 25.1 20.3 30.5





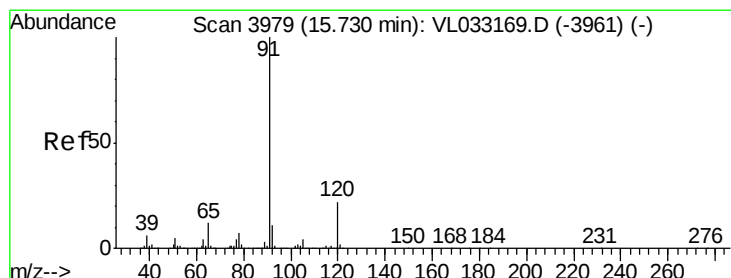
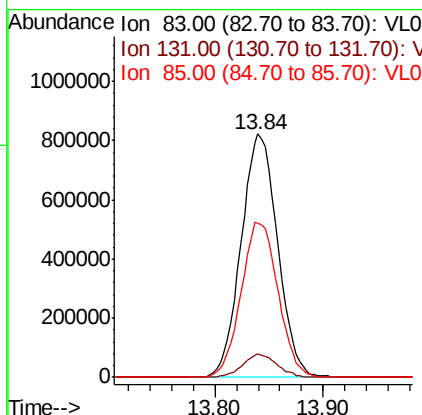
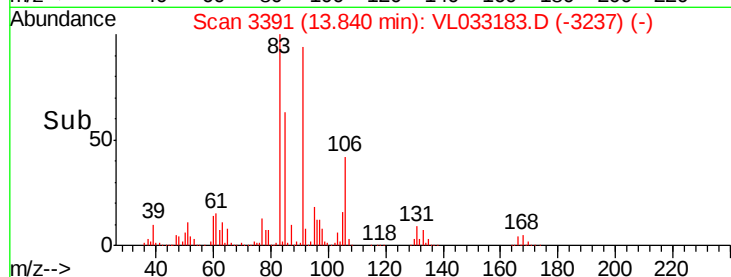
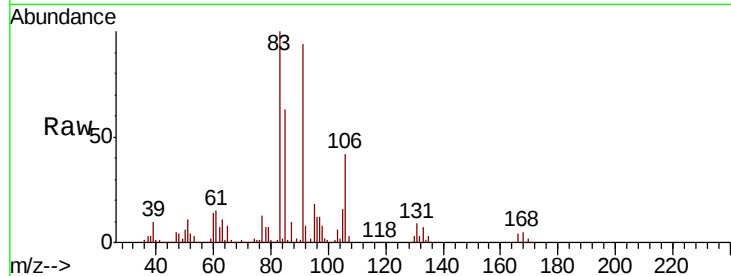
#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.722 ppbv
 RT: 13.84 min Scan# 3391
 Delta R.T. -0.01 min
 Lab File: VL033183.D
 Acq: 6 Feb 2019 18:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 83 Resp: 1933540
 Ion Ratio Lower Upper
 83 100
 131 9.1 4.8 14.3
 85 64.7 32.8 98.3

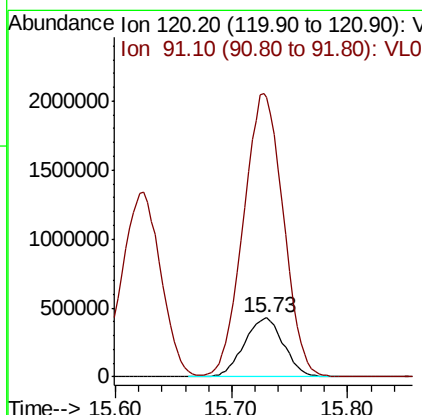
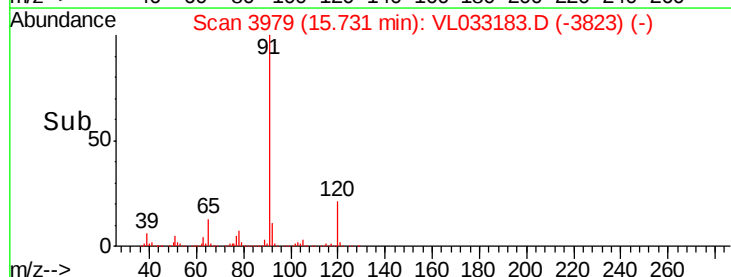
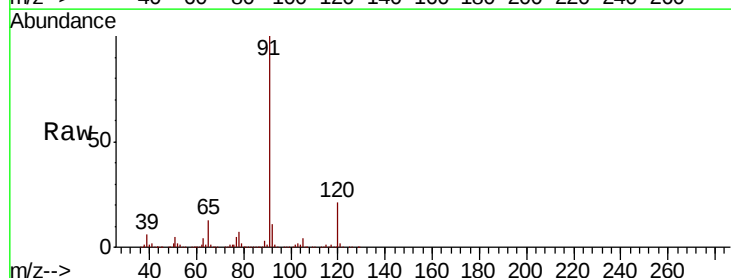
Manual Integrations
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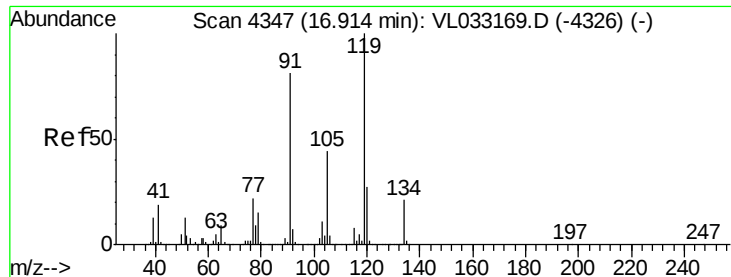
MMDadoda
 2/20/2019 12:21:33 PM



#64
 n-propylbenzene
 Concen: 8.775 ppbv
 RT: 15.73 min Scan# 3979
 Delta R.T. 0.00 min
 Lab File: VL033183.D
 Acq: 6 Feb 2019 18:33

Tgt Ion: 120 Resp: 1009494
 Ion Ratio Lower Upper
 120 100
 91 488.9 383.9 575.9





#65

tert-Butylbenzene

Concen: 8.686 ppbv

RT: 16.92 min Scan# 4348

Delta R.T. 0.00 min

Lab File: VL033183.D

Acq: 6 Feb 2019 18:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 119 Resp: 3422925

Ion Ratio Lower Upper

119 100

91 84.3 65.6 98.4

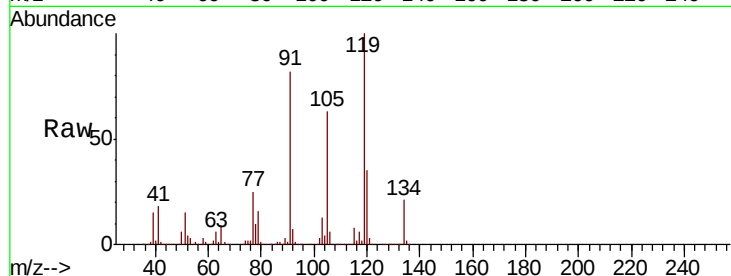
134 19.4 15.8 23.8

Manual Integrations

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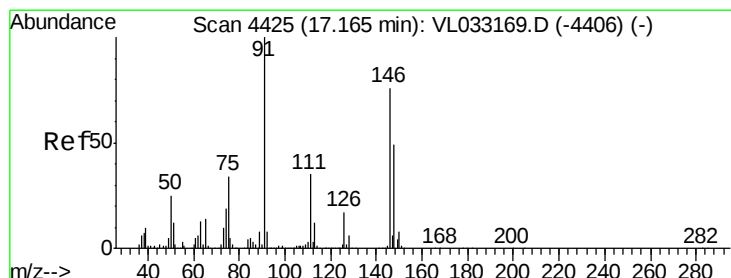
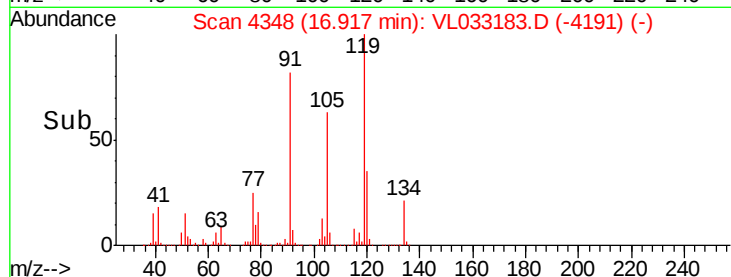
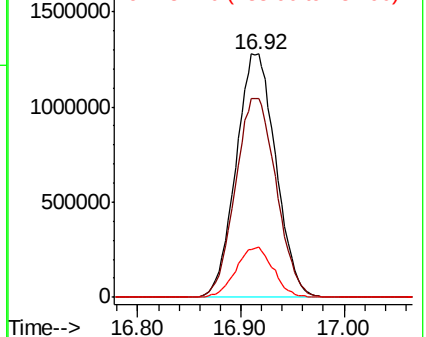
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Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 12.418 ppbv

RT: 17.16 min Scan# 4424

Delta R.T. -0.00 min

Lab File: VL033183.D

Acq: 6 Feb 2019 18:33

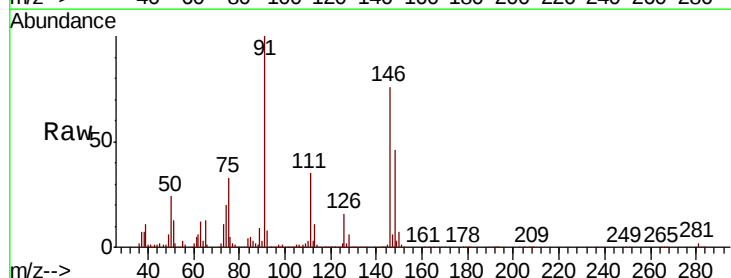
Tgt Ion: 91 Resp: 1748712

Ion Ratio Lower Upper

91 100

126 16.7 13.8 20.6

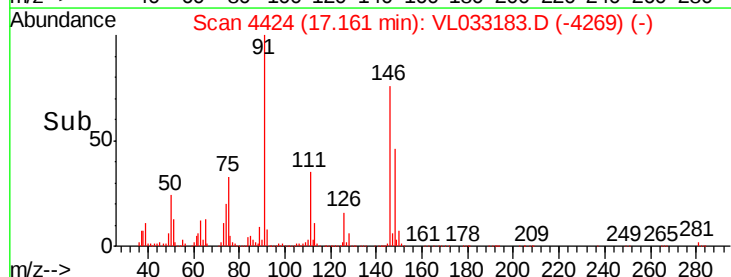
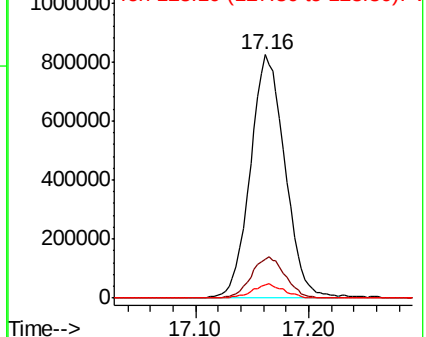
128 5.3 4.5 6.7

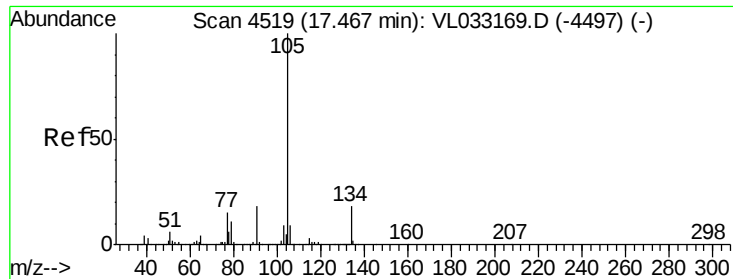


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 8.723 ppbv

RT: 17.46 min Scan# 4518

Delta R.T. -0.00 min

Lab File: VL033183.D

Acq: 6 Feb 2019 18:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 105 Resp: 4990038

Ion Ratio Lower Upper

105 100

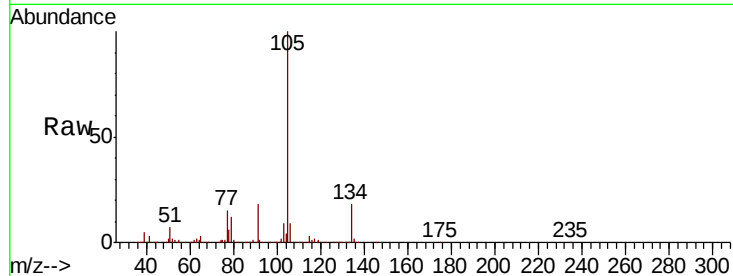
134 17.9 14.6 22.0

Manual Integrations

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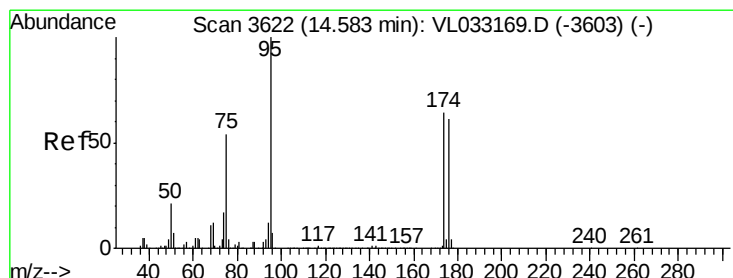
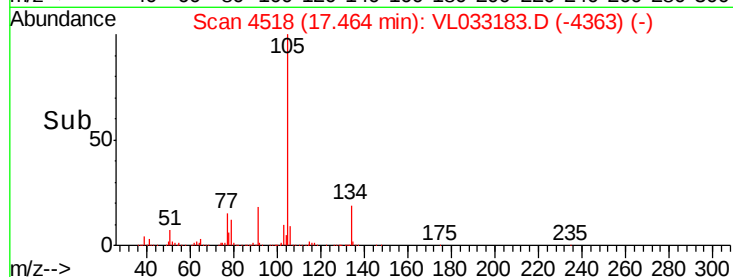
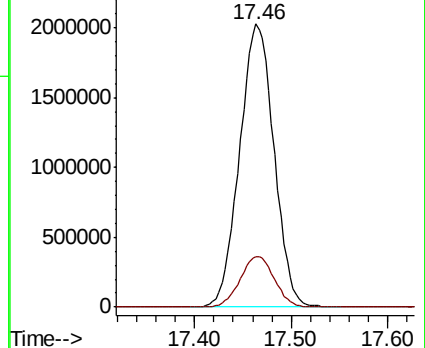
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.102 ppbv

RT: 14.58 min Scan# 3622

Delta R.T. 0.00 min

Lab File: VL033183.D

Acq: 6 Feb 2019 18:33

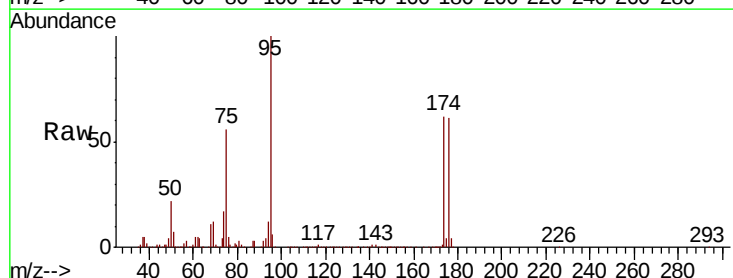
Tgt Ion: 95 Resp: 1896469

Ion Ratio Lower Upper

95 100

174 63.2 51.1 76.7

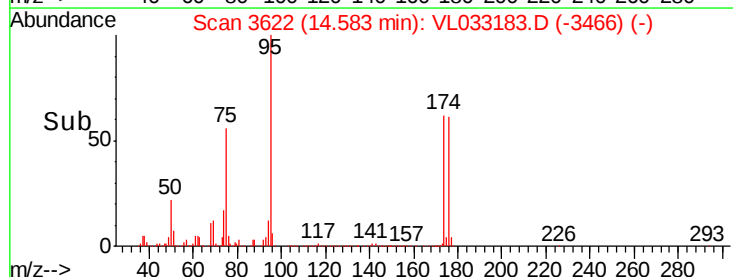
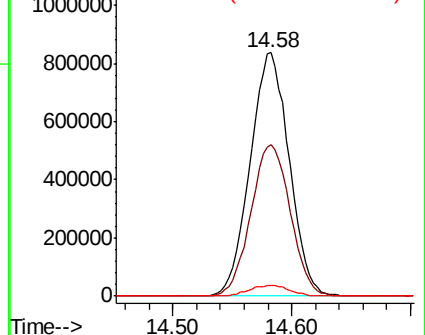
175 4.6 3.8 5.6

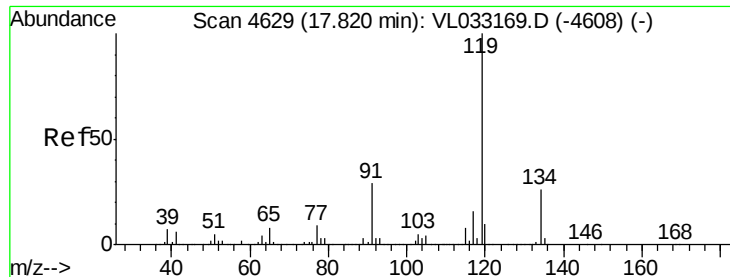


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





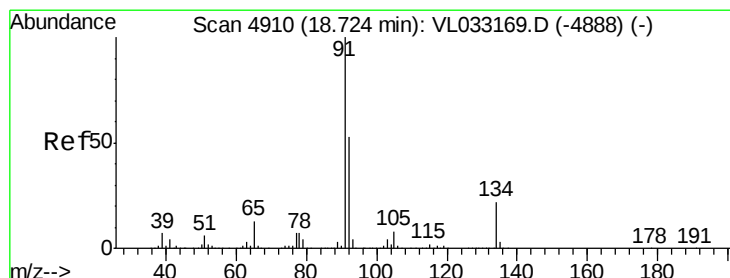
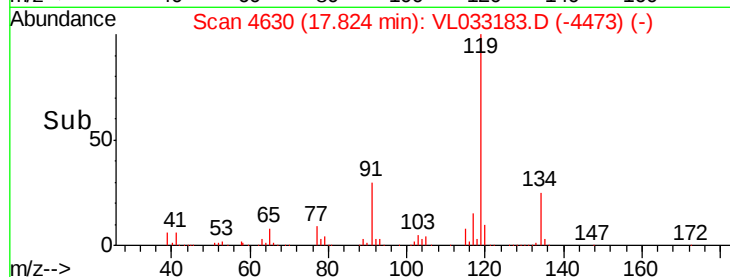
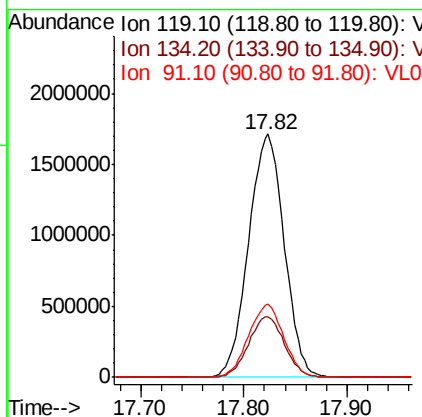
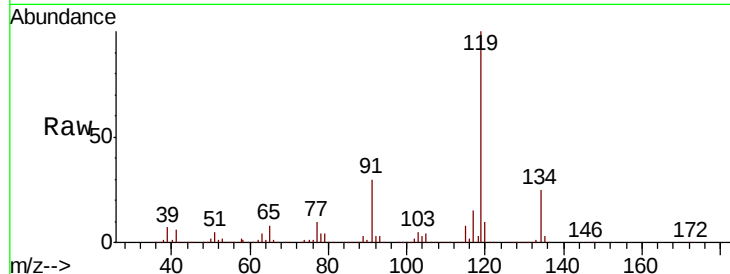
#69
 p-Isopropyltoluene
 Concen: 8.608 ppbv
 RT: 17.82 min Scan# 4630
 Delta R.T. 0.00 min
 Lab File: VL033183.D
 Acq: 6 Feb 2019 18:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 119 Resp: 4101056
 Ion Ratio Lower Upper
 119 100
 134 25.1 20.4 30.6
 91 29.8 23.4 35.0

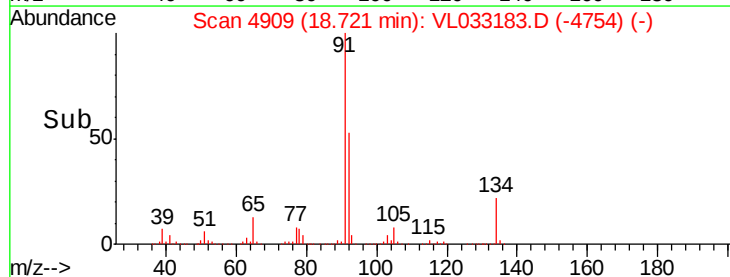
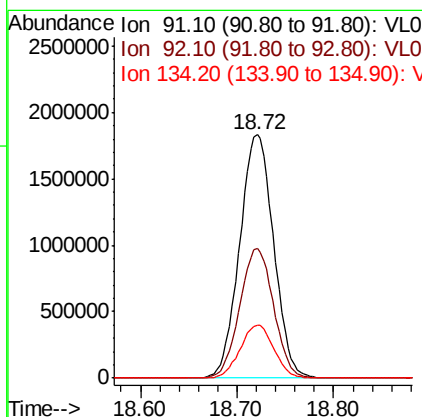
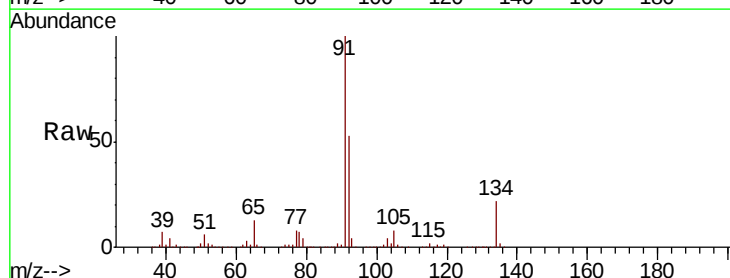
Manual Integrations
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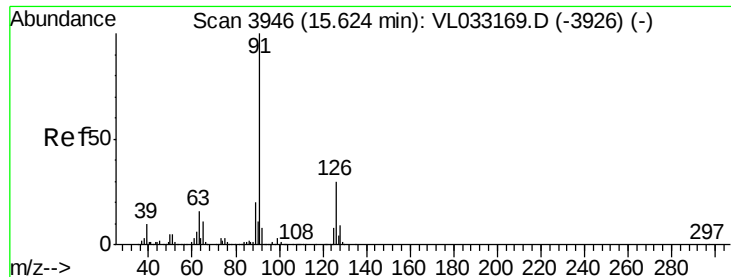
MMDadoda
 2/20/2019 12:21:33 PM



#70
 n-Butylbenzene
 Concen: 8.701 ppbv
 RT: 18.72 min Scan# 4909
 Delta R.T. -0.00 min
 Lab File: VL033183.D
 Acq: 6 Feb 2019 18:33

Tgt Ion: 91 Resp: 4472442
 Ion Ratio Lower Upper
 91 100
 92 53.2 43.0 64.4
 134 21.7 17.5 26.3





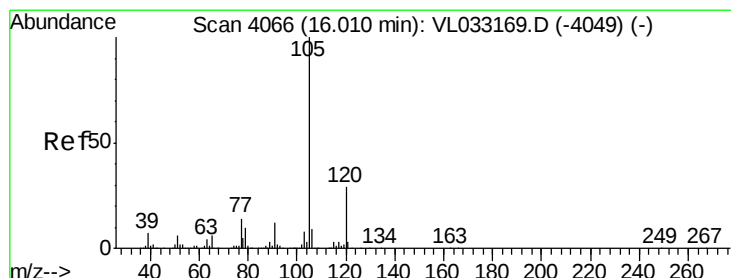
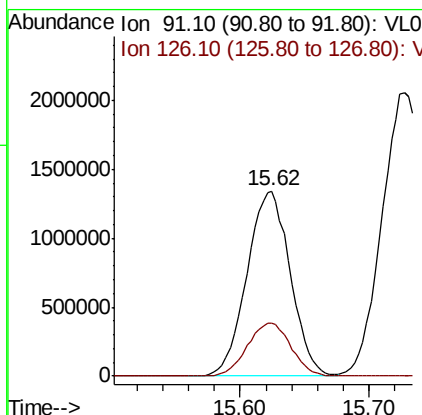
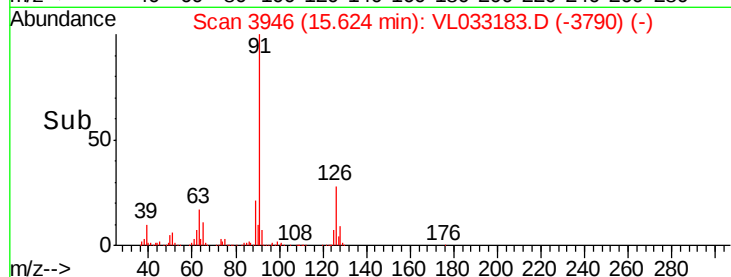
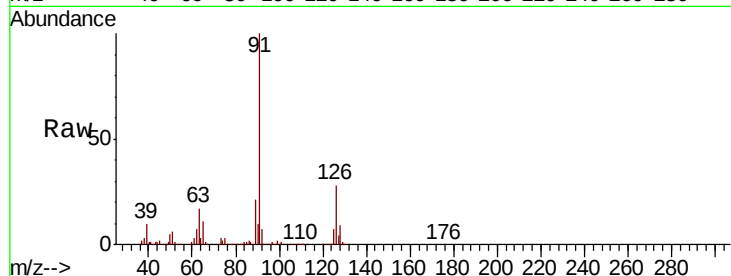
#71
2-Chlorotoluene
Concen: 8.829 ppbv
RT: 15.62 min Scan# 3946
Delta R.T. 0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 91 Resp: 3138870
Ion Ratio Lower Upper
91 100
126 29.0 11.8 47.4

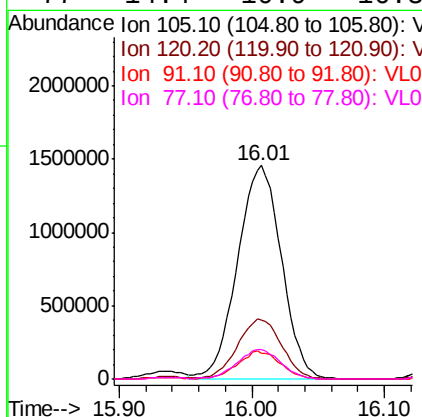
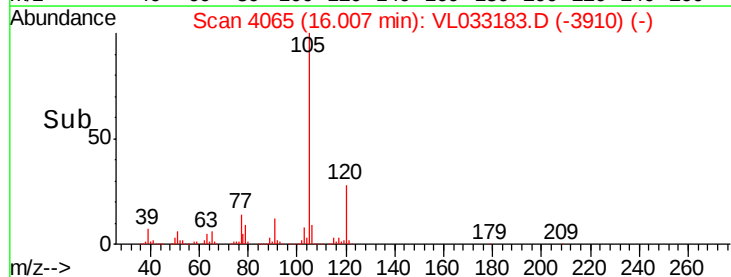
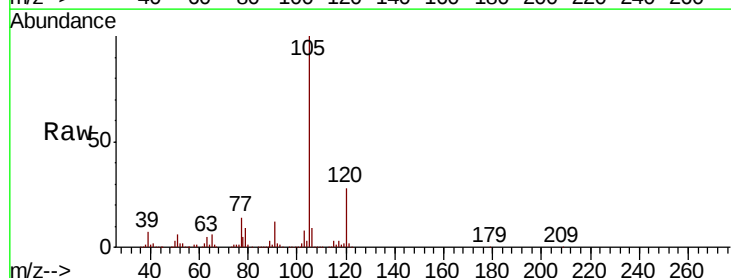
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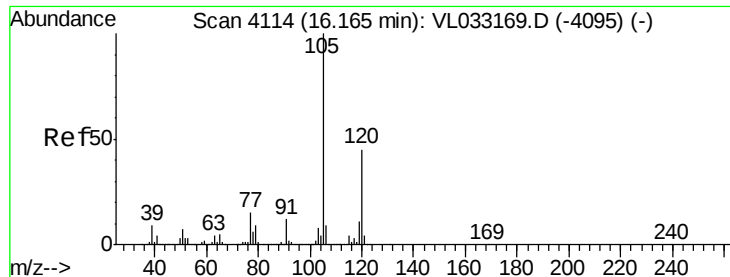
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2/20/2019 12:21:33 PM



#72
4-Ethyltoluene
Concen: 9.032 ppbv
RT: 16.01 min Scan# 4065
Delta R.T. -0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Tgt Ion: 105 Resp: 3341282
Ion Ratio Lower Upper
105 100
120 28.4 23.1 34.7
91 12.6 9.8 14.6
77 14.4 10.9 16.3





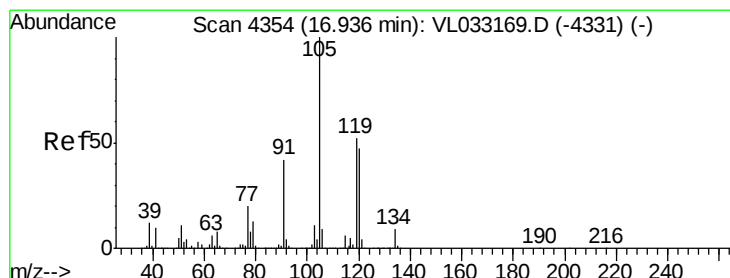
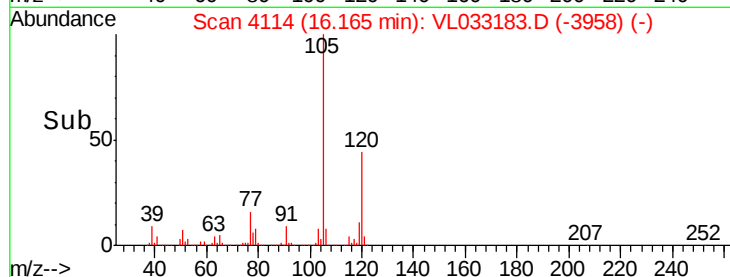
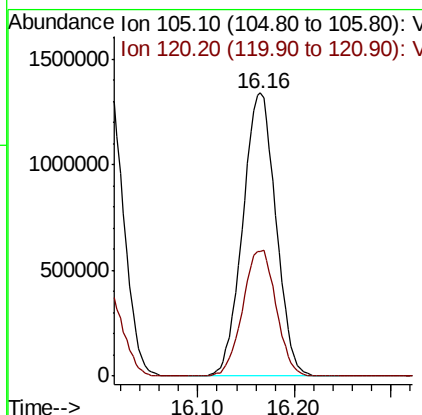
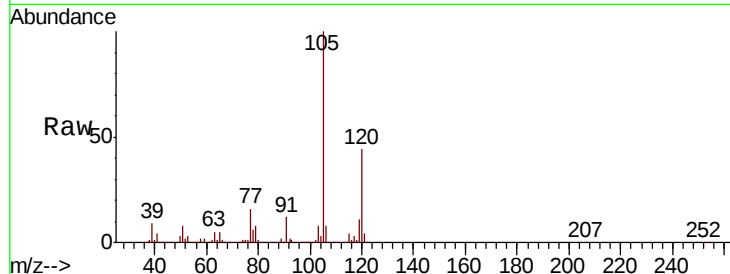
#73
 1,3,5-Trimethylbenzene
 Concen: 8.986 ppbv
 RT: 16.16 min Scan# 4114
 Delta R.T. 0.00 min
 Lab File: VL033183.D
 Acq: 6 Feb 2019 18:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:105 Resp: 3179088
 Ion Ratio Lower Upper
 105 100
 120 44.0 36.2 54.4

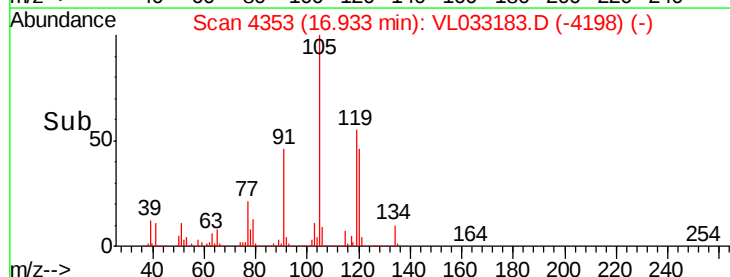
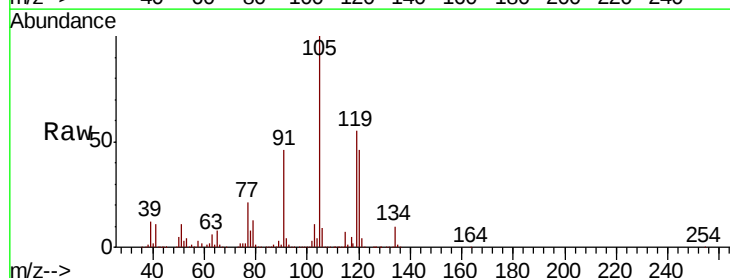
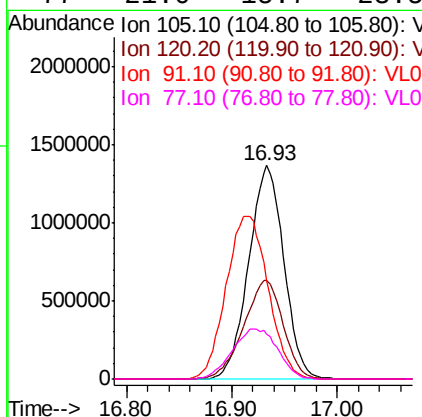
Manual Integrations
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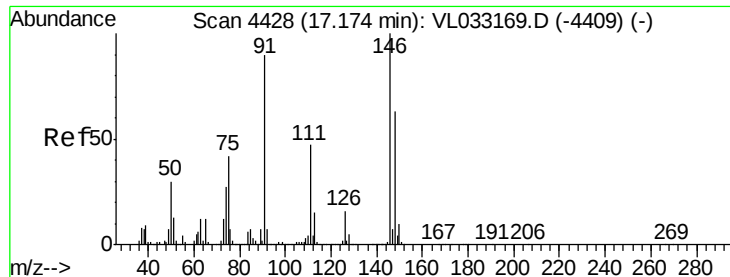
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#74
 1,2,4-Trimethylbenzene
 Concen: 8.640 ppbv
 RT: 16.93 min Scan# 4353
 Delta R.T. -0.00 min
 Lab File: VL033183.D
 Acq: 6 Feb 2019 18:33

Tgt Ion:105 Resp: 3170518
 Ion Ratio Lower Upper
 105 100
 120 46.0 37.9 56.9
 91 46.2 34.0 51.0
 77 21.0 15.7 23.5





#75

1,3-Dichlorobenzene

Concen: 8.645 ppbv

RT: 17.17 min Scan# 4428

Delta R.T. 0.00 min

Lab File: VL033183.D

Acq: 6 Feb 2019 18:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:146 Resp: 1829736

Ion Ratio Lower Upper

146 100

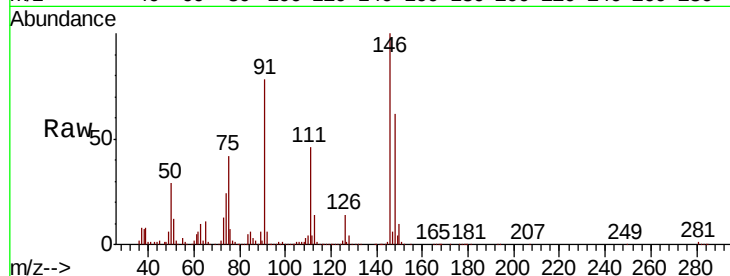
111 46.8 23.2 69.6

148 63.7 31.8 95.4

Manual Integrations
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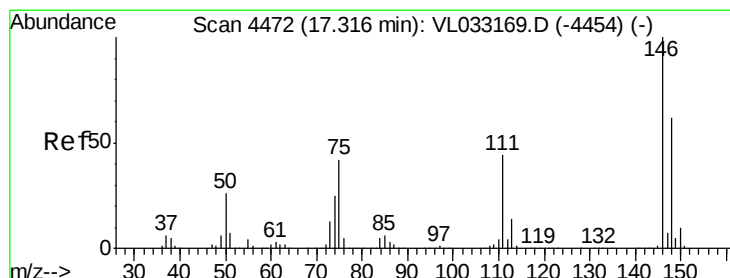
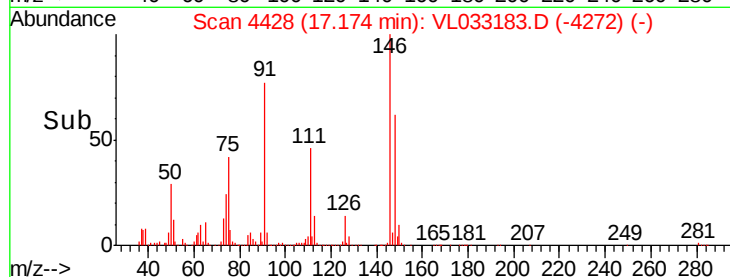
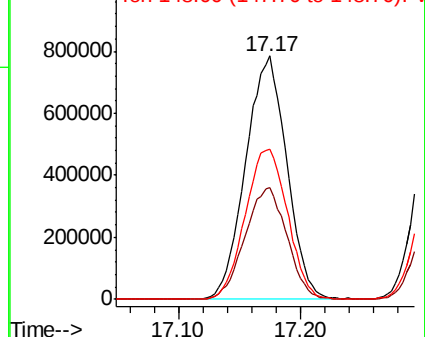


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 8.864 ppbv

RT: 17.31 min Scan# 4471

Delta R.T. -0.00 min

Lab File: VL033183.D

Acq: 6 Feb 2019 18:33

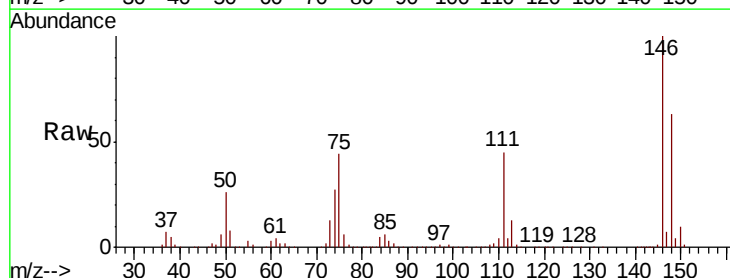
Tgt Ion:146 Resp: 1858673

Ion Ratio Lower Upper

146 100

111 44.6 22.3 66.9

148 63.9 32.0 96.0

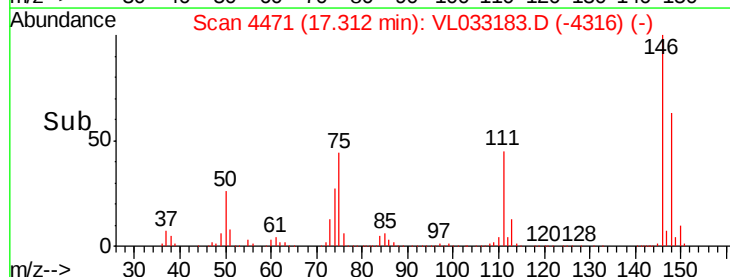
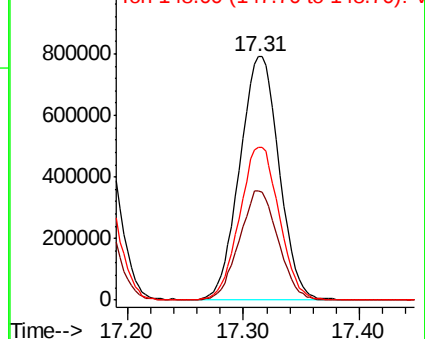


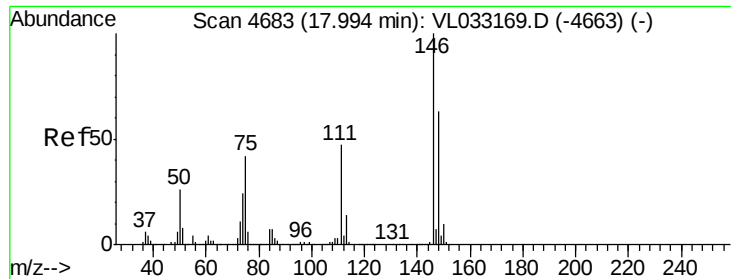
Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





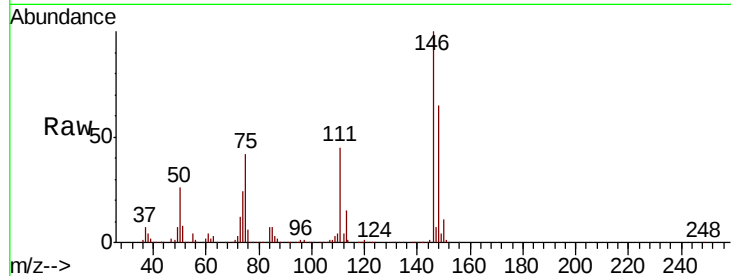
#77
 1,2-Dichlorobenzene
 Concen: 8.746 ppbv
 RT: 17.99 min Scan# 4683
 Delta R.T. 0.00 min
 Lab File: VL033183.D
 Acq: 6 Feb 2019 18:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

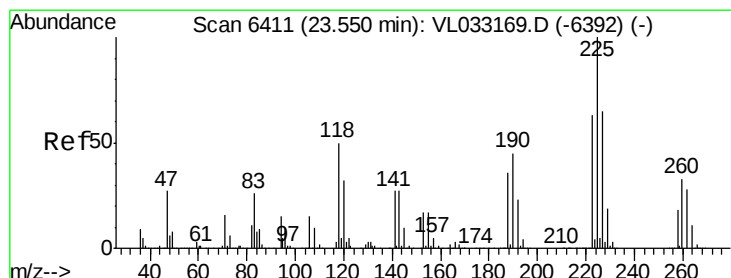
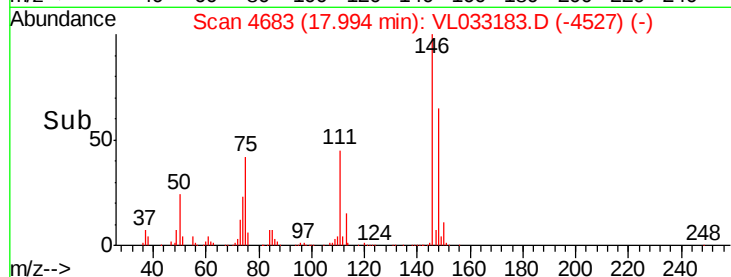
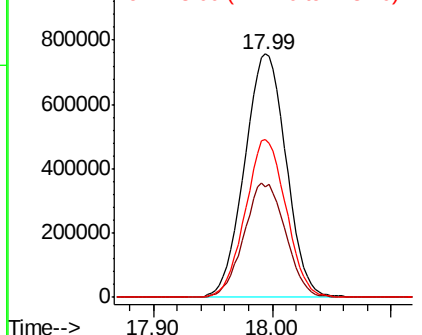
Tgt Ion:146 Resp: 1829180
 Ion Ratio Lower Upper
 146 100
 111 47.3 23.5 70.6
 148 63.8 31.9 95.7

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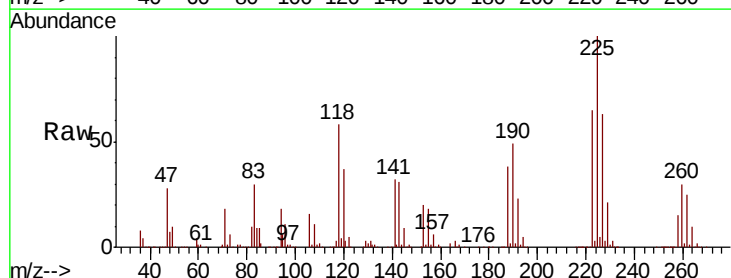


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

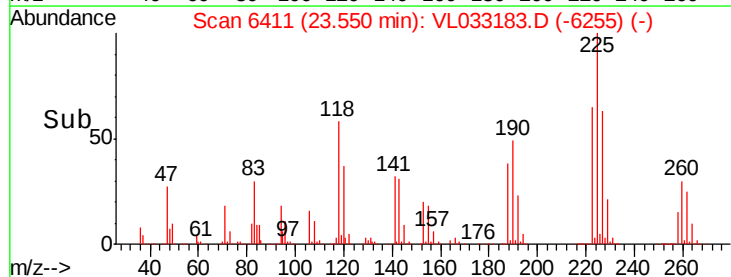
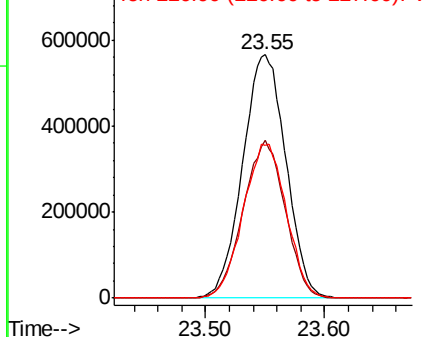


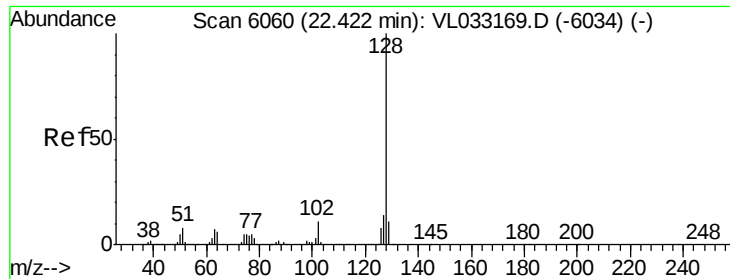
#78
 Hexachloro-1,3-Butadiene
 Concen: 13.690 ppbv
 RT: 23.55 min Scan# 6411
 Delta R.T. 0.00 min
 Lab File: VL033183.D
 Acq: 6 Feb 2019 18:33

Tgt Ion:225 Resp: 1423614
 Ion Ratio Lower Upper
 225 100
 223 62.9 50.6 75.8
 227 63.3 51.4 77.2



Abundance Ion 224.90 (224.60 to 225.60): V
 Ion 222.90 (222.60 to 223.60): V
 Ion 226.90 (226.60 to 227.60): V





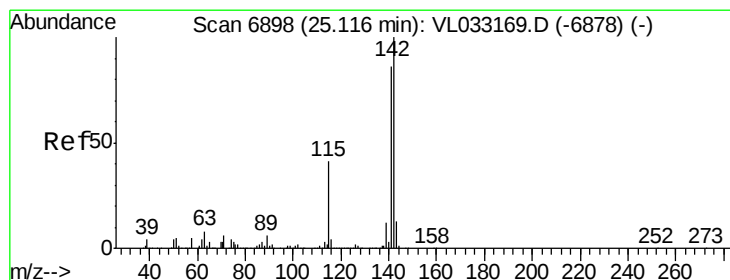
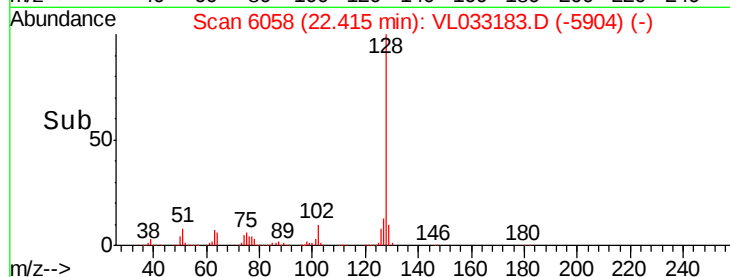
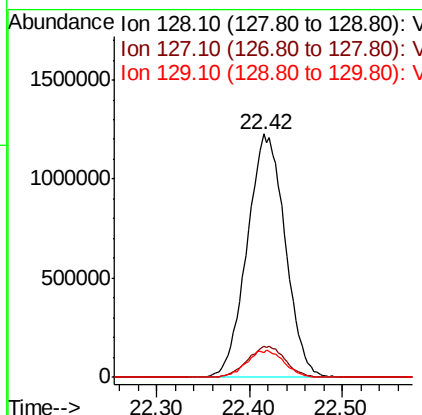
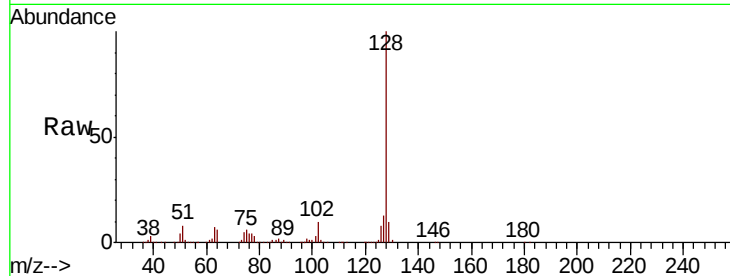
#79
Naphthalene
Concen: 8.875 ppbv
RT: 22.42 min Scan# 6058
Delta R.T. -0.01 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.6	11.0	16.4
129	10.4	8.6	12.8

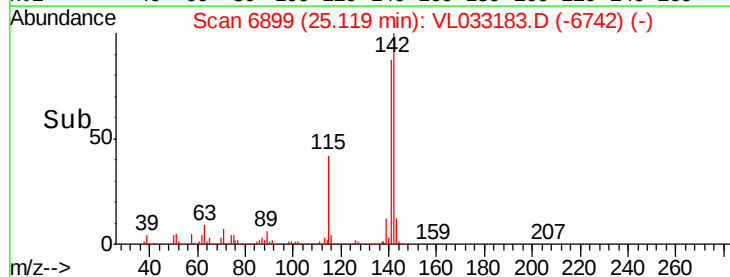
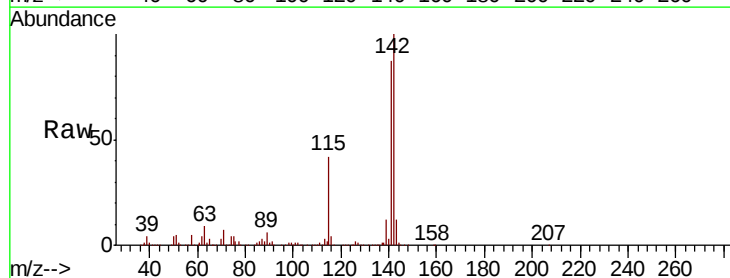
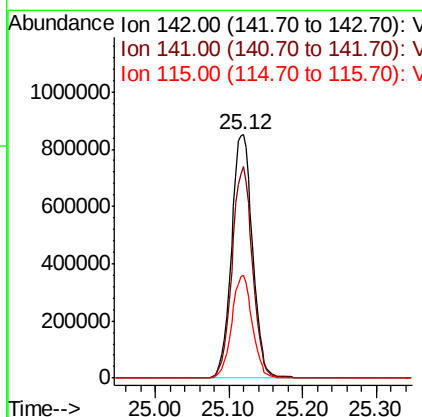
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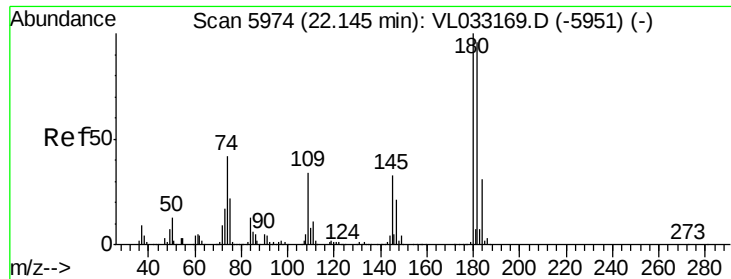
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#80
Naphthalene, 2-methyl-
Concen: 8.458 ppbv
RT: 25.12 min Scan# 6899
Delta R.T. 0.00 min
Lab File: VL033183.D
Acq: 6 Feb 2019 18:33

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.4	67.7	101.5
115	41.3	32.7	49.1





#81
 1,2,4-Trichlorobenzene
 Concen: 8.481 ppbv
 RT: 22.15 min Scan# 5974
 Delta R.T. 0.00 min
 Lab File: VL033183.D
 Acq: 6 Feb 2019 18:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	75.8	113.8
184	30.8	24.3	36.5

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