

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL020519\
 Data File : VL033178.D
 Acq On : 6 Feb 2019 9:17
 Operator : SY/AP
 Sample : VL0205ABS01
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0205ABS01

Manual Integrations
 APPROVED

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 2/20/2019 12:21:23 PM

Quant Time: Feb 20 06:25:56 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 06:25:56 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	5.76	49	1031261	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2471673	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	2430370m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1936902	10.23	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.08	85	1597224	8.101	ppbv	97
3) Chlorodifluoromethane	3.01	51	976847	7.867	ppbv	98
4) Chloromethane	3.17	50	530223	8.087	ppbv	100
5) Vinyl Chloride	3.29	62	512568	7.487	ppbv	100
6) Bromomethane	3.51	94	305276	8.113	ppbv	99
7) Chloroethane	3.60	64	179215	8.007	ppbv	97
8) Dichlorotetrafluoroethane	3.22	85	1203768	7.807	ppbv	100
9) Propene	3.04	41	460604	7.679	ppbv	99
10) Heptane	8.25	43	1433689	7.900	ppbv	99
11) Trichlorofluoromethane	4.00	101	1275807	7.993	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.55	101	865389	7.823	ppbv	99
13) Ethanol	3.64	45	115114	5.647	ppbv	97
14) Bromoethene	3.79	108	390098	8.178	ppbv	100
15) Acetone	3.90	43	840589	7.235	ppbv	100
16) 1,3-Butadiene	3.36	39	441058	7.997	ppbv	99
17) tert-Butyl alcohol	4.35	59	185081	8.293	ppbv	99
18) 1,1-Dichloroethene	4.35	96	400034	8.078	ppbv	97
19) Isopropyl Alcohol	4.02	45	625420	7.937	ppbv	99
20) Methylene Chloride	4.41	84	339637	7.349	ppbv	97
21) Allyl Chloride	4.47	41	632163	8.240	ppbv	100
22) trans-1,2-Dichloroethene	4.96	96	402888	8.378	ppbv	96
23) Vinyl Acetate	5.15	43	1659519	8.241	ppbv	99
24) 1,1-Dichloroethane	5.09	63	1143524	8.029	ppbv	100
25) Ethyl Acetate	5.77	43	2342188	8.966	ppbv	100
26) Hexane	5.78	57	1049040	8.554	ppbv	98
27) Carbon Disulfide	4.62	76	984543	8.763	ppbv	100
28) Methyl tert-Butyl Ether	5.11	73	1329418	7.933	ppbv	99
29) Chloroform	5.85	83	1709019	9.094	ppbv	98
30) Cyclohexane	7.25	84	925688	8.136	ppbv	99
31) cis-1,2-Dichloroethene	5.64	61	1129896	9.205	ppbv	98
32) 1,1,1-Trichloroethane	6.62	97	1650864	7.978	ppbv	99
34) 2-Butanone	5.33	43	1597311	10.188	ppbv	99
35) Carbon Tetrachloride	7.14	117	1701145	9.012	ppbv	96
36) Benzene	7.00	78	2266856	9.049	ppbv	99
37) 1,2-Dichloroethane	6.41	62	1311451	9.447	ppbv	100
38) Trichloroethene	7.96	130	823979	7.698	ppbv	94
39) 1,2-Dichloropropane	7.74	63	876267	8.858	ppbv	100
40) 1,4-Dioxane	7.95	88	306095	8.714	ppbv	94
41) Tetrahydrofuran	6.15	42	953484	9.838	ppbv	99
42) Bromodichloromethane	7.92	83	1881115	9.350	ppbv	99
43) Methyl Methacrylate	8.14	69	929509	9.243	ppbv	99

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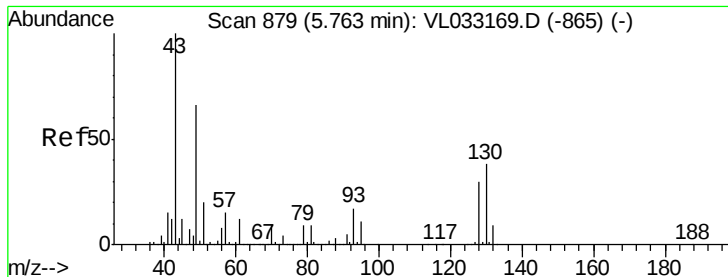
Manual Integrations
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL020519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb 20 2019
 QLast Update : Wed Feb 20 06:00:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	3685549	8.682	ppbv	100
45) t-1,3-Dichloropropene	9.42	75	1162962	10.443	ppbv	100
46) cis-1,3-Dichloropropene	8.84	75	1403730	9.864	ppbv	97
47) 1,1,2-Trichloroethane	9.62	97	881585	8.593	ppbv	97
48) Dibromochloromethane	10.45	129	1557483	9.636	ppbv	99
49) Bromoform	13.21	173	1370814	9.856	ppbv	100
50) 4-Methyl-2-Pentanone	8.87	43	2319908	9.228	ppbv	98
51) 2-Hexanone	10.27	43	1847112	9.318	ppbv #	99
52) Tetrachloroethene	11.38	164	794906	8.260	ppbv	98
53) Toluene	9.95	91	2528719	8.525	ppbv	100
54) 1,2-Dibromoethane	10.76	107	1465548	9.103	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.28	131	1086835	9.602	ppbv	97
57) Chlorobenzene	12.31	112	1909052	8.877	ppbv	95
58) Ethyl Benzene	12.87	91	3637211	9.117	ppbv	99
59) m/p-Xylene	13.13	91	5922433m	17.847	ppbv	
60) o-Xylene	13.86	91	2869434	8.868	ppbv	99
61) Styrene	13.69	104	2267120	9.281	ppbv	100
62) Isopropylbenzene	14.83	105	4055449	8.883	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.84	83	1983693	7.853	ppbv	99
64) n-propylbenzene	15.73	120	1023519	8.818	ppbv	98
65) tert-Butylbenzene	16.91	119	3451696	8.683	ppbv	99
66) Benzyl Chloride	17.16	91	1777059	12.508	ppbv	100
67) sec-Butylbenzene	17.46	105	5093169	8.825	ppbv	99
69) p-Isopropyltoluene	17.82	119	4189931	8.718	ppbv	99
70) n-Butylbenzene	18.72	91	4530668	8.737	ppbv	100
71) 2-Chlorotoluene	15.62	91	3142124	8.760	ppbv	100
72) 4-Ethyltoluene	16.01	105	3375063	9.043	ppbv	100
73) 1,3,5-Trimethylbenzene	16.16	105	3194428	8.950	ppbv	97
74) 1,2,4-Trimethylbenzene	16.93	105	3208851	8.668	ppbv	98
75) 1,3-Dichlorobenzene	17.17	146	1867101	8.745	ppbv	99
76) 1,4-Dichlorobenzene	17.31	146	1918122	9.067	ppbv	100
77) 1,2-Dichlorobenzene	17.99	146	1852740	8.781	ppbv	99
78) Hexachloro-1,3-Butadiene	23.54	225	1045209	9.963	ppbv	99
79) Naphthalene	22.41	128	3420341	8.597	ppbv	98
80) Naphthalene,2-methyl-	25.11	142	1608897	7.996	ppbv	100
81) 1,2,4-Trichlorobenzene	22.14	180	1672072	8.274	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 879

Delta R.T. 0.00 min

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Instrument :

MSVOA_L

ClientSampleId :

VL0205ABS01

Tgt Ion: 49 Resp: 1031261

Ion Ratio Lower Upper

49 100

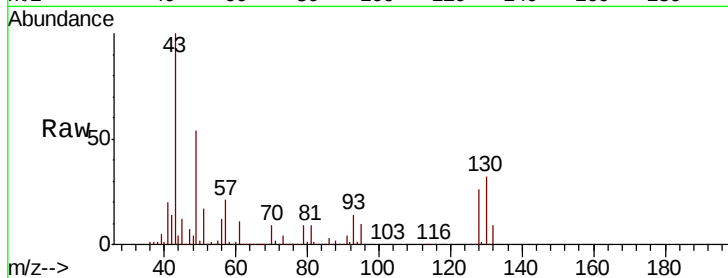
128 47.2 23.6 71.0

130 60.4 30.3 91.0

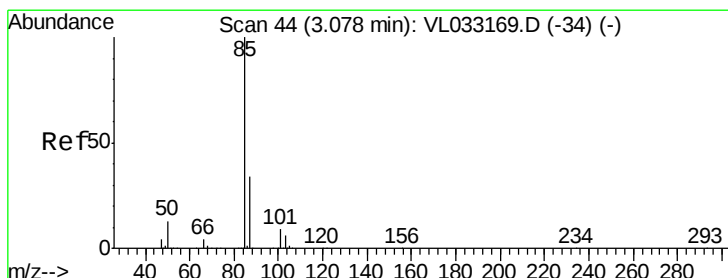
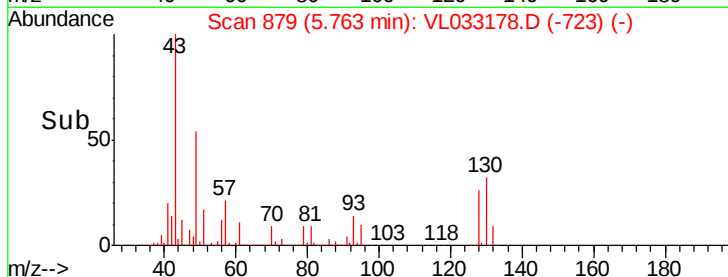
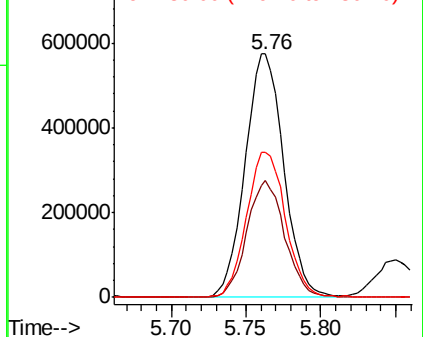
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Abundance Ion 49.10 (48.80 to 49.80): VL0
Ion 128.00 (127.70 to 128.70): V
Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 8.101 ppbv

RT: 3.08 min Scan# 43

Delta R.T. -0.00 min

Lab File: VL033178.D

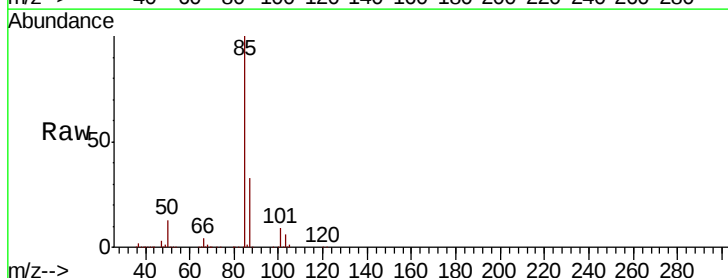
Acq: 6 Feb 2019 9:17

Tgt Ion: 85 Resp: 1597224

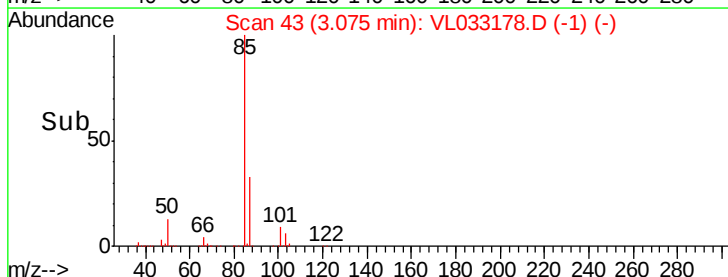
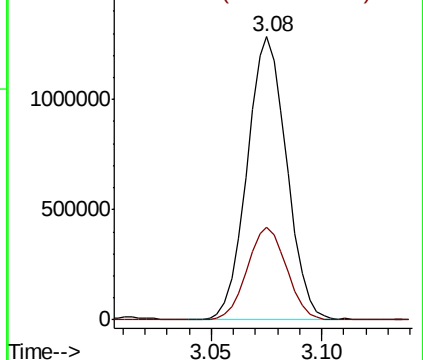
Ion Ratio Lower Upper

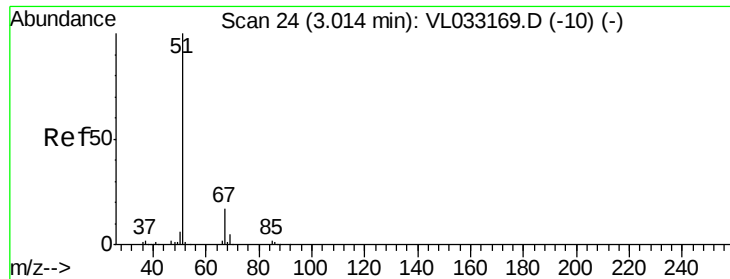
85 100

87 32.5 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: 7.867 ppbv

RT: 3.01 min Scan# 24

Delta R.T. 0.00 min

Lab File: VL033178.D

Acq: 6 Feb 2019 9:17

Instrument :

MSVOA_L

ClientSampleId :

VL0205ABS01

Tgt Ion: 51 Resp: 976847

Ion Ratio Lower Upper

51 100

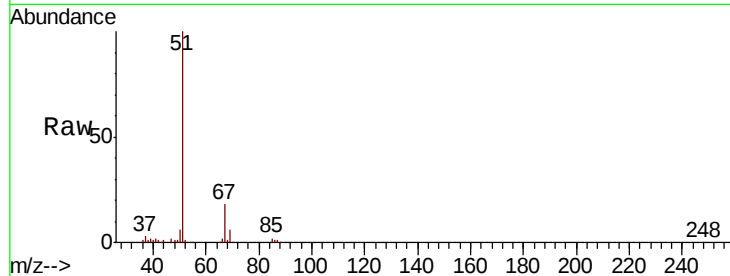
67 18.2 14.0 21.0

Manual Integrations

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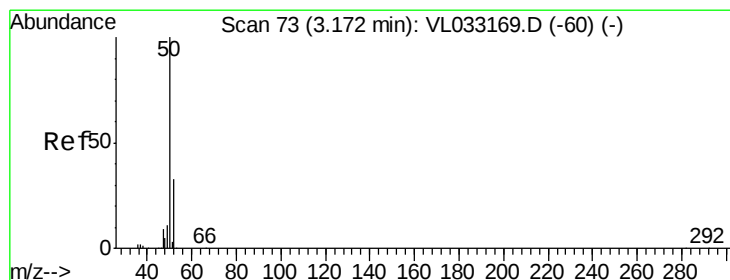
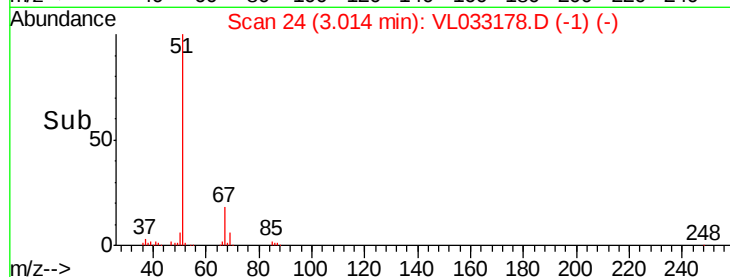
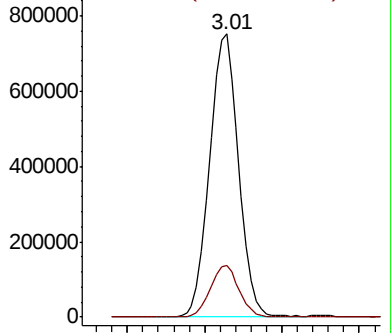
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2/20/2019 12:21:23 PM



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 8.087 ppbv

RT: 3.17 min Scan# 72

Delta R.T. -0.00 min

Lab File: VL033178.D

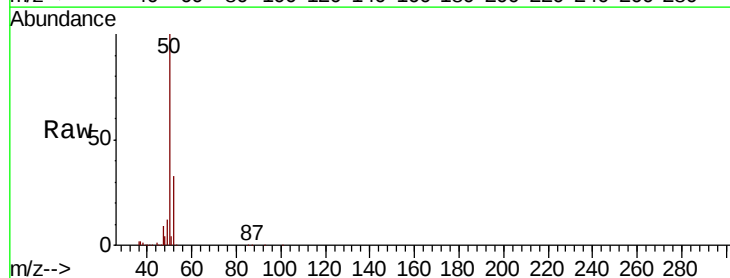
Acq: 6 Feb 2019 9:17

Tgt Ion: 50 Resp: 530223

Ion Ratio Lower Upper

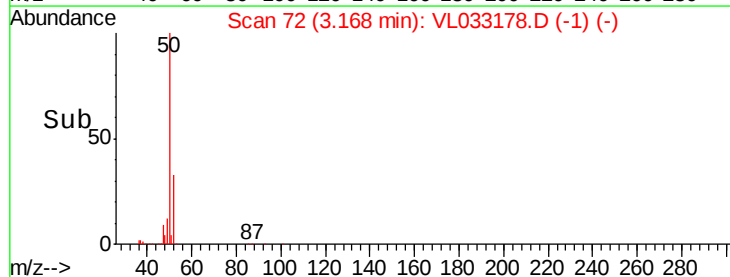
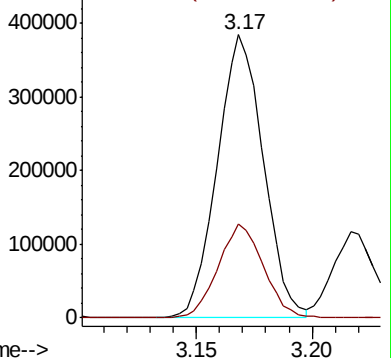
50 100

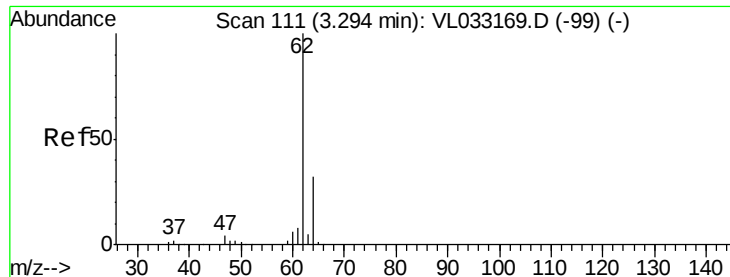
52 33.2 26.5 39.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 7.487 ppbv

RT: 3.29 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL033178.D

Acq: 6 Feb 2019 9:17

Instrument :

MSVOA_L

ClientSampleId :

VL0205ABS01

Tgt Ion: 62 Resp: 512568

Ion Ratio Lower Upper

62 100

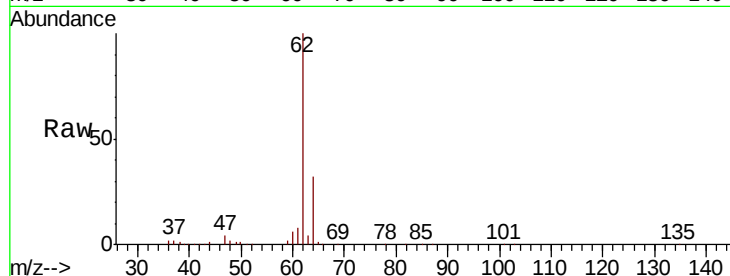
64 32.2 25.6 38.4

Manual Integrations

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2/20/2019 12:21:23 PM



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.29

400000

300000

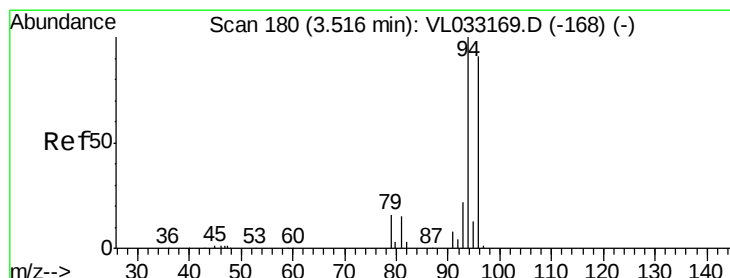
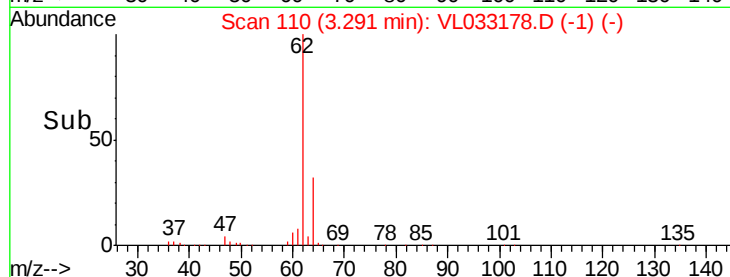
200000

100000

0

3.25 3.30 3.35

Time-->



#6

Bromomethane

Concen: 8.113 ppbv

RT: 3.51 min Scan# 179

Delta R.T. -0.00 min

Lab File: VL033178.D

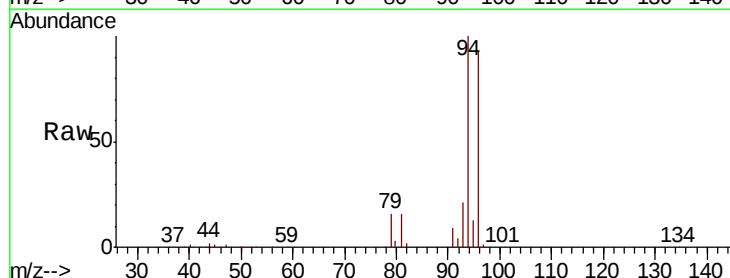
Acq: 6 Feb 2019 9:17

Tgt Ion: 94 Resp: 305276

Ion Ratio Lower Upper

94 100

96 92.5 73.2 109.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

250000

200000

150000

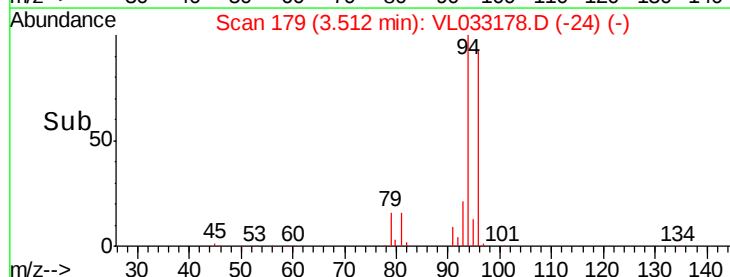
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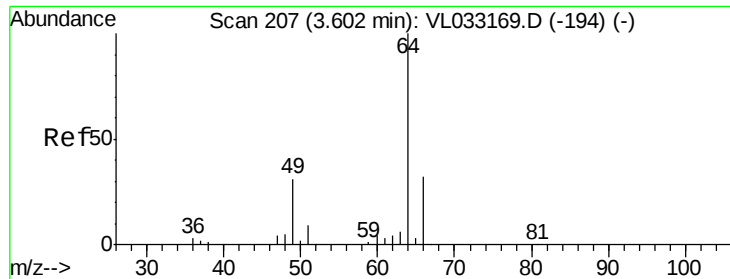
50000

0

3.45 3.50 3.55

Time-->





#7

Chloroethane

Concen: 8.007 ppbv

RT: 3.60 min Scan# 206

Delta R.T. -0.00 min

Lab File: VL033178.D

Acq: 6 Feb 2019 9:17

Instrument :

MSVOA_L

ClientSampleId :

VL0205ABS01

Tgt Ion: 64 Resp: 179215

Ion Ratio Lower Upper

64 100

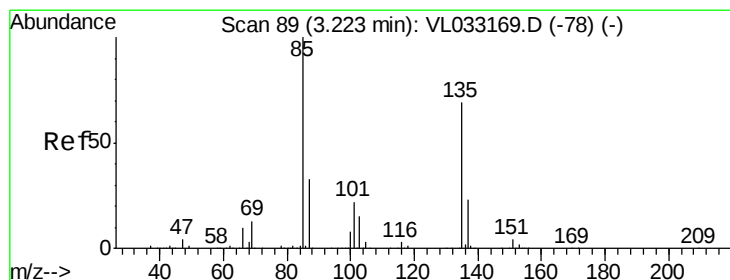
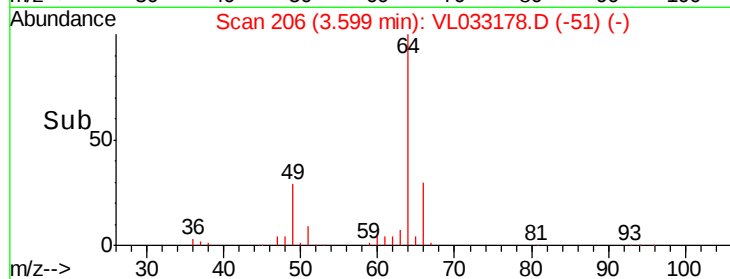
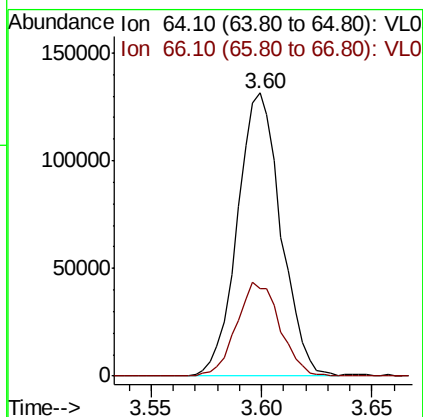
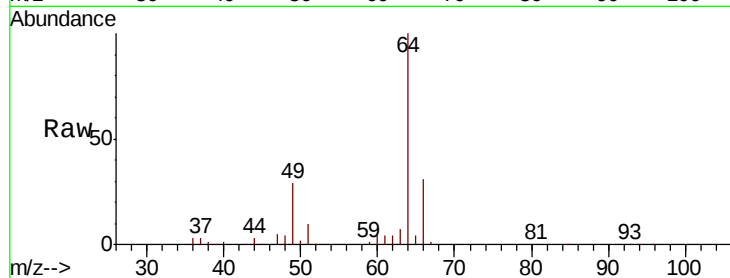
66 30.7 26.0 39.0

Manual Integrations

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2/20/2019 12:21:23 PM



#8

Dichlorotetrafluoroethane

Concen: 7.807 ppbv

RT: 3.22 min Scan# 87

Delta R.T. -0.01 min

Lab File: VL033178.D

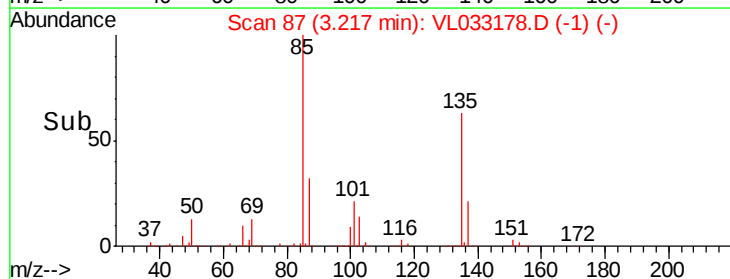
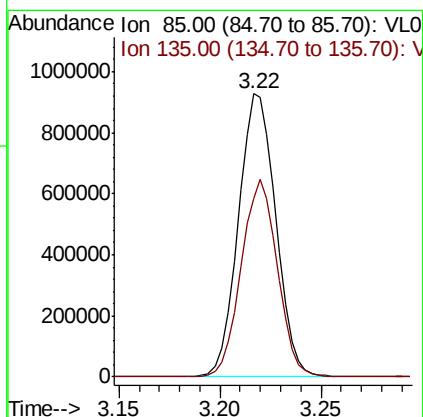
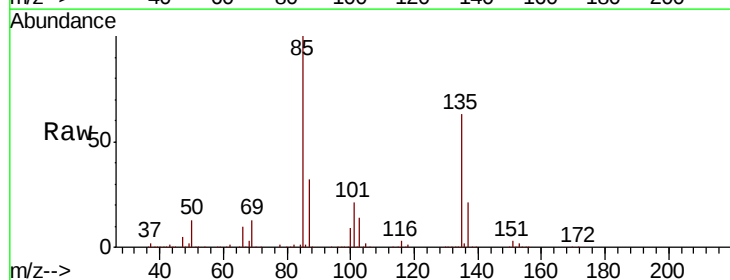
Acq: 6 Feb 2019 9:17

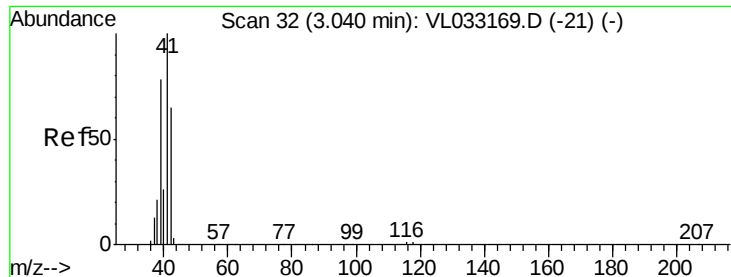
Tgt Ion: 85 Resp: 1203768

Ion Ratio Lower Upper

85 100

135 67.8 54.3 81.5





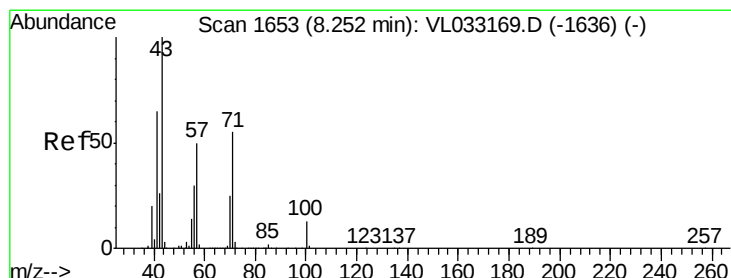
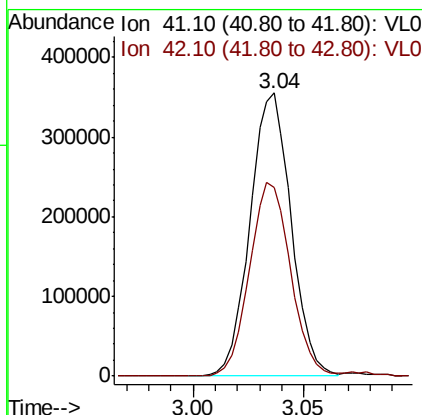
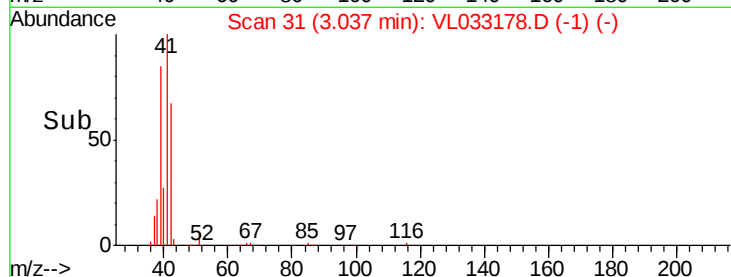
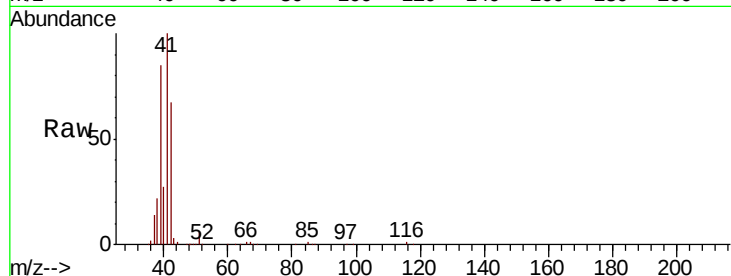
#9
 Propene
 Concen: 7.679 ppbv
 RT: 3.04 min Scan# 31
 Delta R.T. -0.00 min
 Lab File: VL033178.D
 Acq: 6 Feb 2019 9:17

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0205ABS01

Tgt Ion: 41 Resp: 460604
 Ion Ratio Lower Upper
 41 100
 42 69.7 55.0 82.6

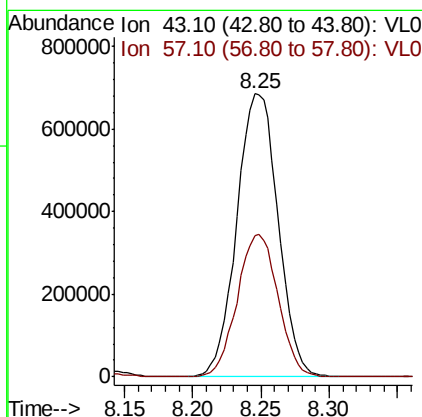
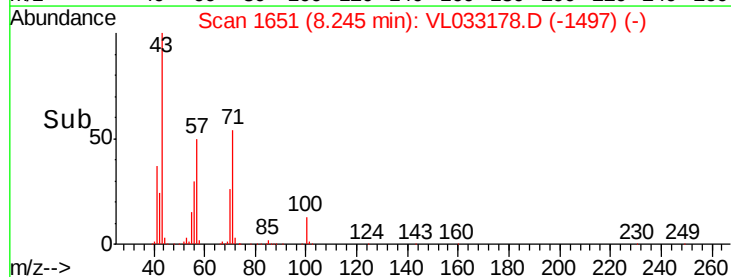
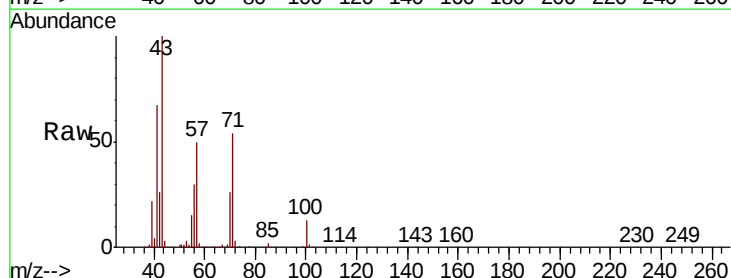
Manual Integrations
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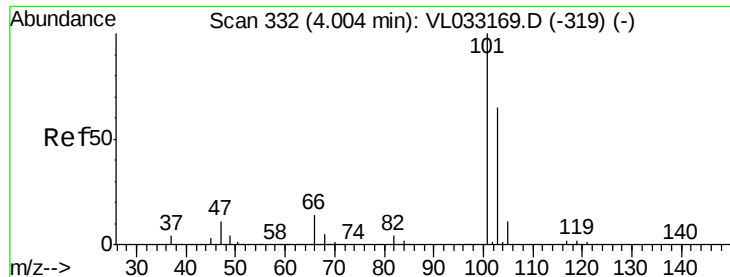
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 2/20/2019 12:21:23 PM



#10
 Heptane
 Concen: 7.900 ppbv
 RT: 8.25 min Scan# 1651
 Delta R.T. -0.01 min
 Lab File: VL033178.D
 Acq: 6 Feb 2019 9:17

Tgt Ion: 43 Resp: 1433689
 Ion Ratio Lower Upper
 43 100
 57 49.9 39.5 59.3





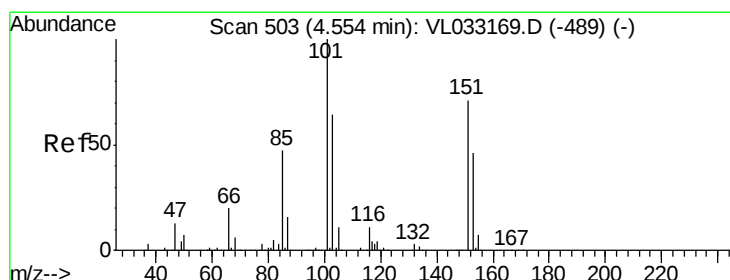
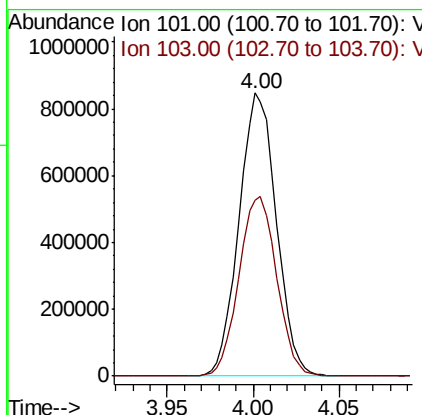
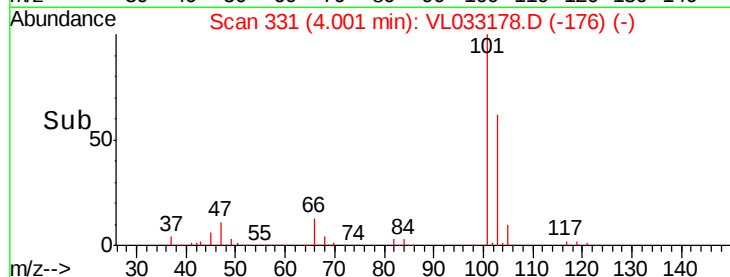
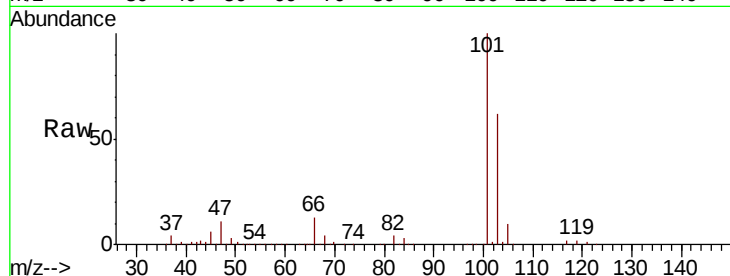
#11
 Trichlorofluoromethane
 Concen: 7.993 ppbv
 RT: 4.00 min Scan# 331
 Delta R.T. -0.00 min
 Lab File: VL033178.D
 Acq: 6 Feb 2019 9:17

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0205ABS01

Tgt Ion:101 Resp: 1275807
 Ion Ratio Lower Upper
 101 100
 103 62.1 51.7 77.5

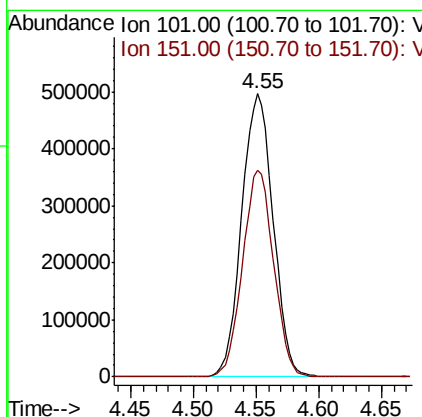
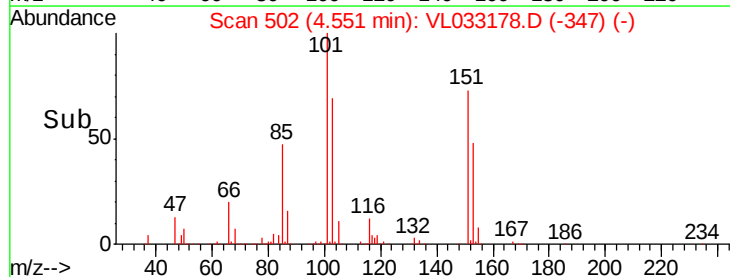
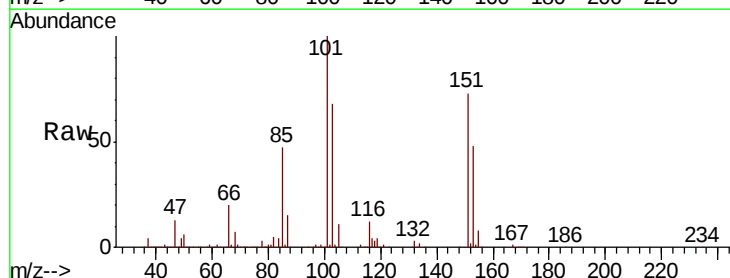
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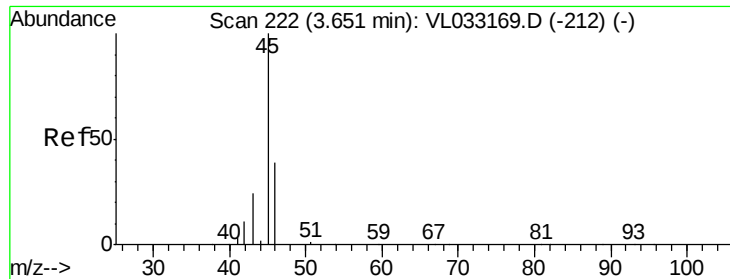
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 7.823 ppbv
 RT: 4.55 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VL033178.D
 Acq: 6 Feb 2019 9:17

Tgt Ion:101 Resp: 865389
 Ion Ratio Lower Upper
 101 100
 151 72.5 57.4 86.0





#13

Ethanol

Concen: 5.647 ppbv

RT: 3.64 min Scan# 220

Delta R.T. -0.01 min

Lab File: VL033178.D

Acq: 6 Feb 2019 9:17

Instrument :

MSVOA_L

ClientSampleId :

VL0205ABS01

Tgt Ion: 45 Resp: 115114

Ion Ratio Lower Upper

45 100

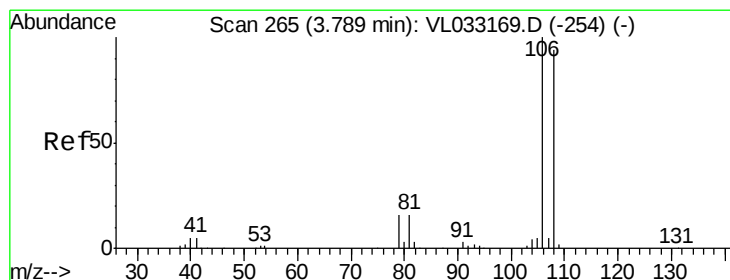
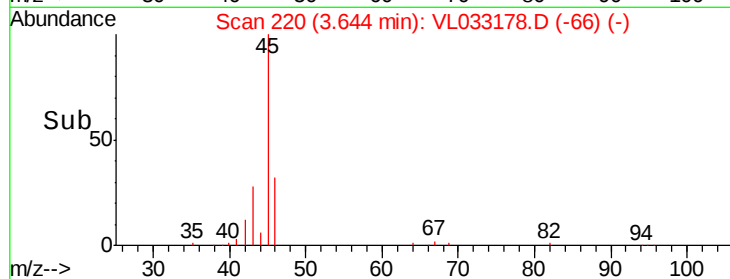
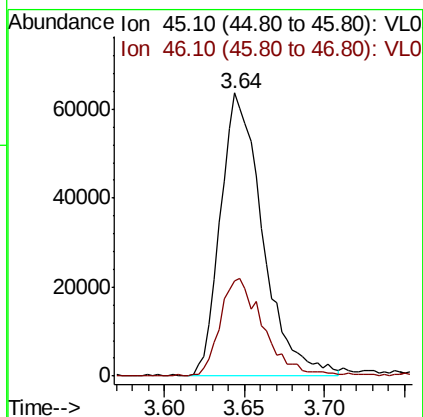
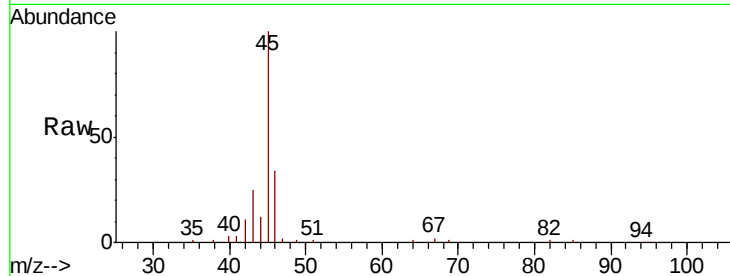
46 35.6 15.0 60.2

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2/20/2019 12:21:23 PM



#14

Bromoethene

Concen: 8.178 ppbv

RT: 3.79 min Scan# 264

Delta R.T. -0.00 min

Lab File: VL033178.D

Acq: 6 Feb 2019 9:17

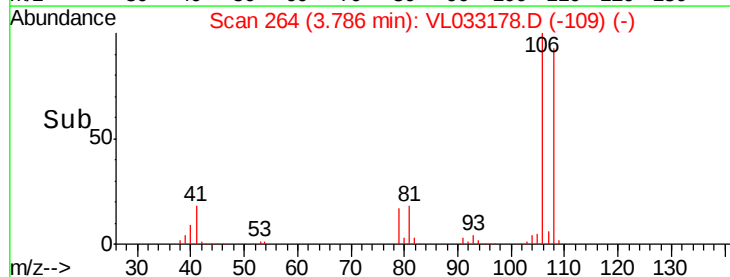
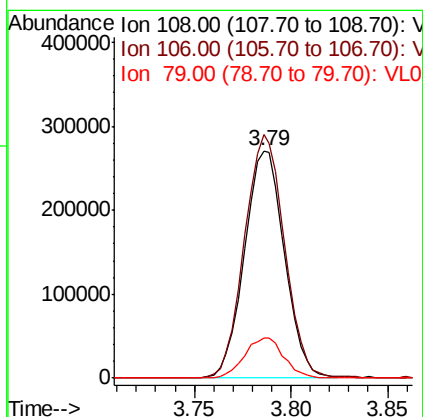
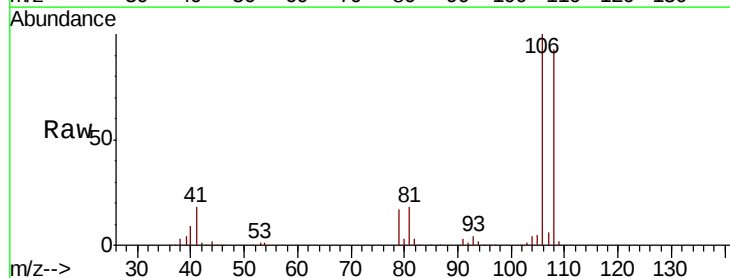
Tgt Ion: 108 Resp: 390098

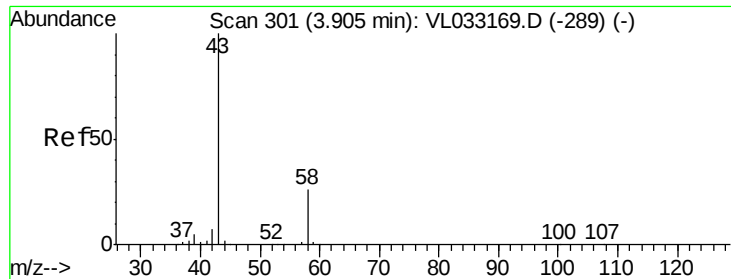
Ion Ratio Lower Upper

108 100

106 107.3 86.0 129.0

79 17.8 14.5 21.7





#15

Acetone

Concen: 7.235 ppbv

RT: 3.90 min Scan# 299

Delta R.T. -0.01 min

Lab File: VL033178.D

Acq: 6 Feb 2019 9:17

Instrument :

MSVOA_L

ClientSampleId :

VL0205ABS01

Tgt Ion: 43 Resp: 840589

Ion Ratio Lower Upper

43 100

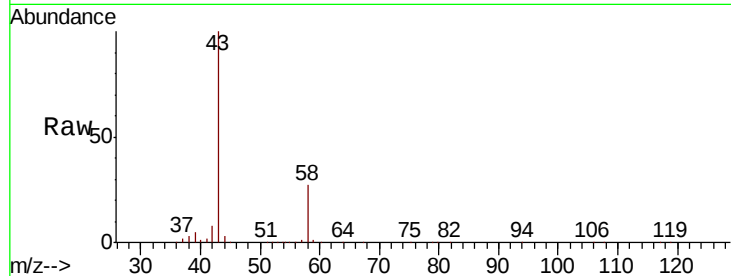
58 26.3 21.1 31.7

Manual Integrations

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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

600000

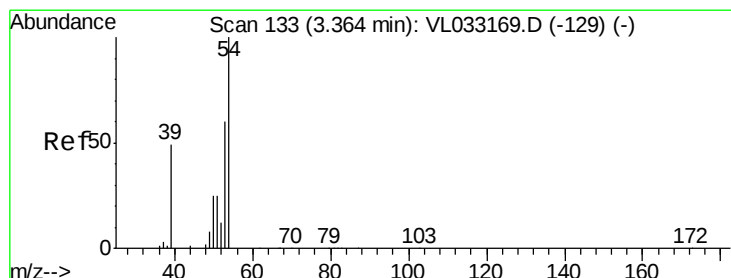
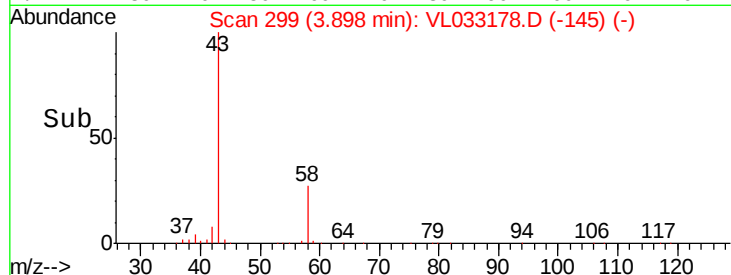
400000

200000

0

3.85 3.90 3.95 4.00

Time-->



#16

1,3-Butadiene

Concen: 7.997 ppbv

RT: 3.36 min Scan# 132

Delta R.T. -0.00 min

Lab File: VL033178.D

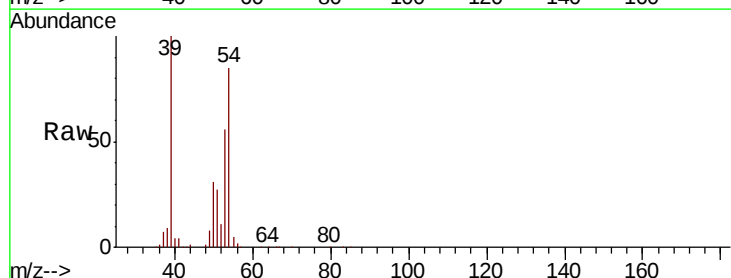
Acq: 6 Feb 2019 9:17

Tgt Ion: 39 Resp: 441058

Ion Ratio Lower Upper

39 100

54 90.2 71.3 106.9



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

400000

300000

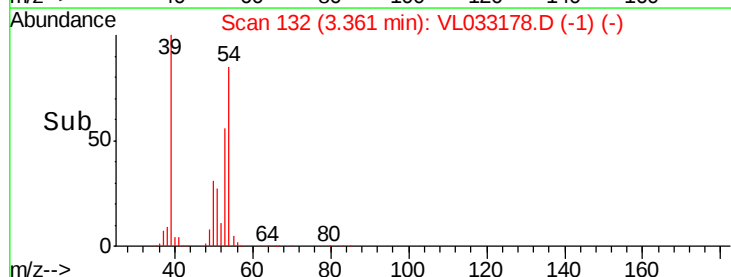
200000

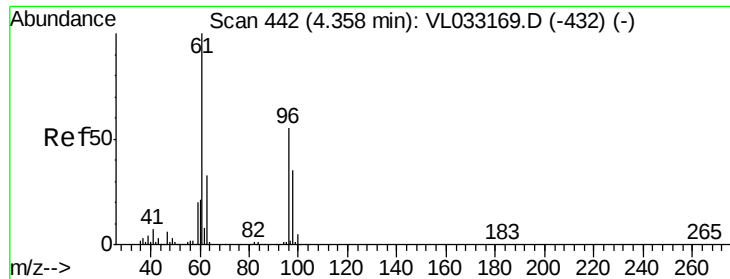
100000

0

3.34 3.36 3.38 3.40

Time-->





#17

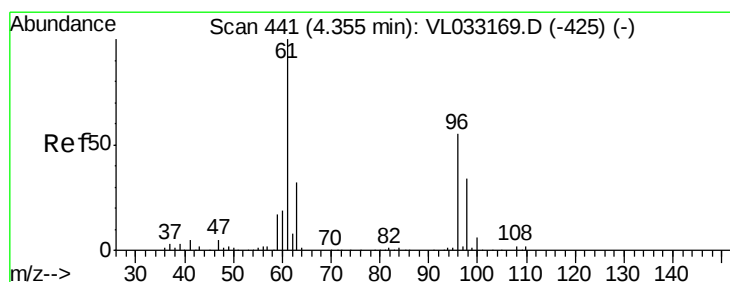
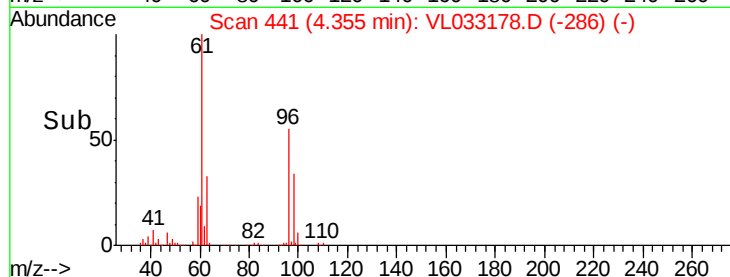
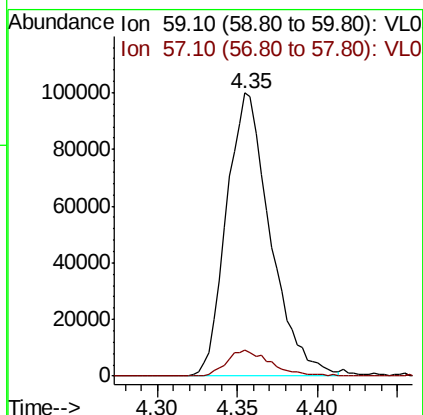
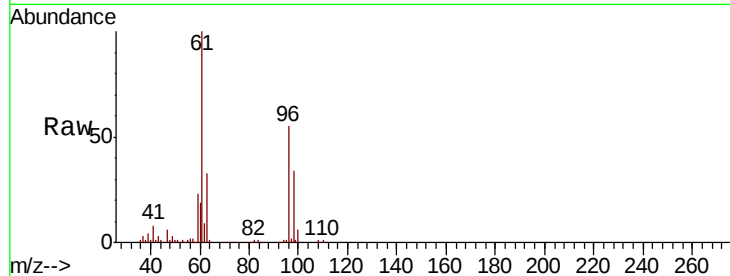
tert-Butyl alcohol
Concen: 8.293 ppbv
RT: 4.35 min Scan# 441
Delta R.T. -0.00 min
Lab File: VL033178.D
Acq: 6 Feb 2019 9:17

Instrument :
MSVOA_L
ClientSampleId :
VL0205ABS01

Tgt Ion: 59 Resp: 185081
Ion Ratio Lower Upper
59 100
57 9.3 7.6 11.4

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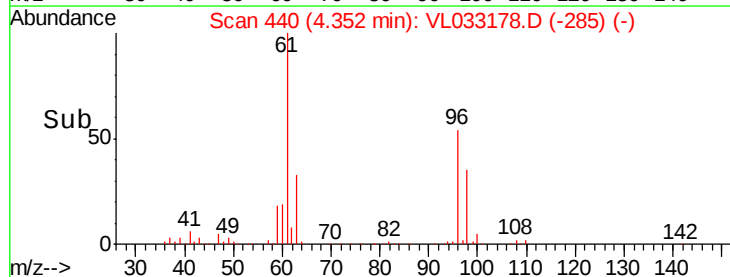
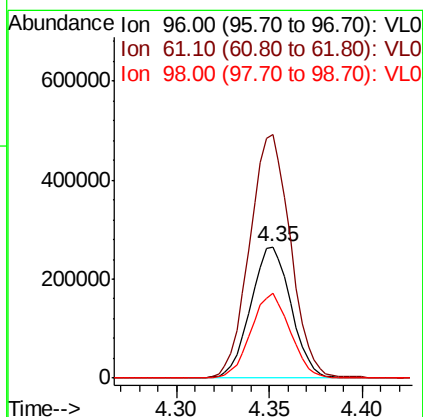
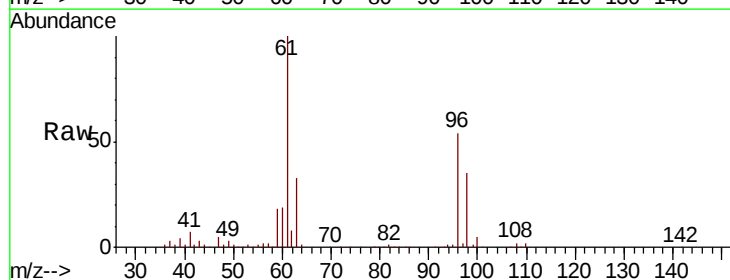
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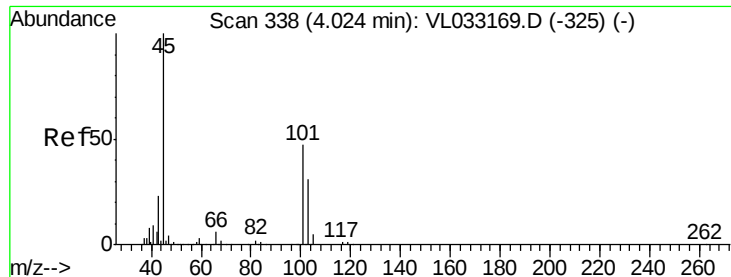


#18

1,1-Dichloroethene
Concen: 8.078 ppbv
RT: 4.35 min Scan# 440
Delta R.T. -0.00 min
Lab File: VL033178.D
Acq: 6 Feb 2019 9:17

Tgt Ion: 96 Resp: 400034
Ion Ratio Lower Upper
96 100
61 185.5 145.0 217.6
98 64.3 50.0 75.0





#19

Isopropyl Alcohol

Concen: 7.937 ppbv

RT: 4.02 min Scan# 337

Delta R.T. -0.00 min

Lab File: VL033178.D

Acq: 6 Feb 2019 9:17

Instrument :

MSVOA_L

ClientSampleId :

VL0205ABS01

Tgt Ion: 45 Resp: 625420

Ion Ratio Lower Upper

45 100

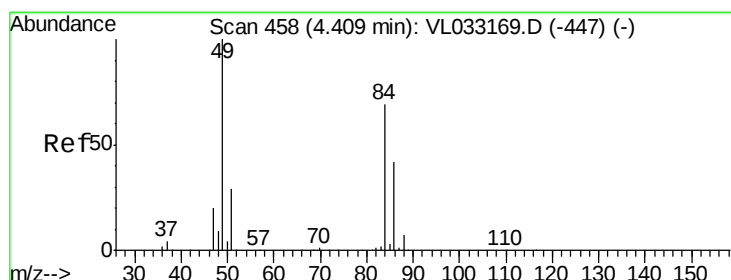
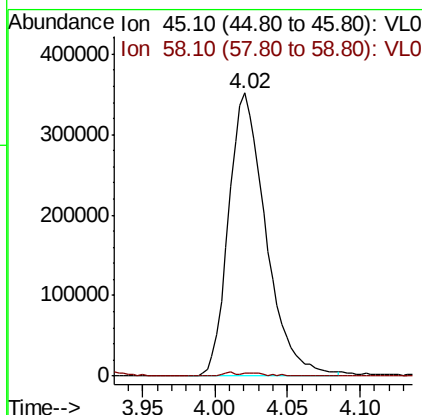
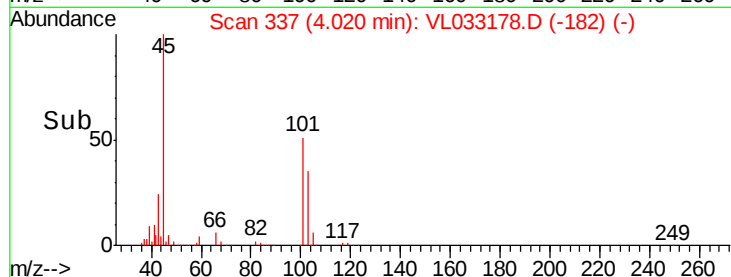
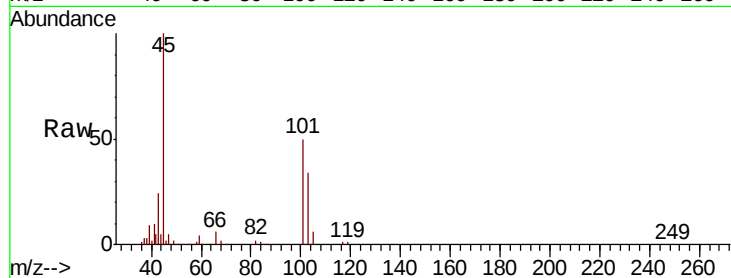
58 1.7 1.5 2.3

Manual Integrations

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2/20/2019 12:21:23 PM



#20

Methylene Chloride

Concen: 7.349 ppbv

RT: 4.41 min Scan# 457

Delta R.T. -0.00 min

Lab File: VL033178.D

Acq: 6 Feb 2019 9:17

Tgt Ion: 84 Resp: 339637

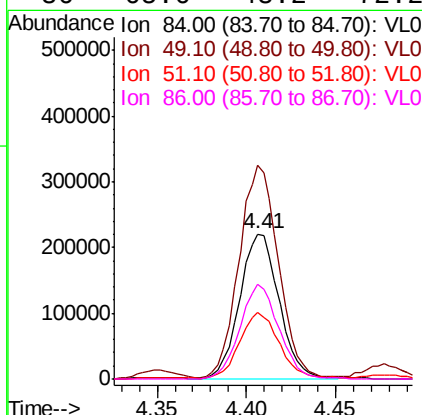
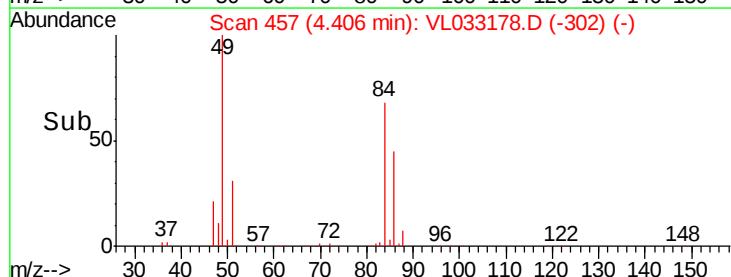
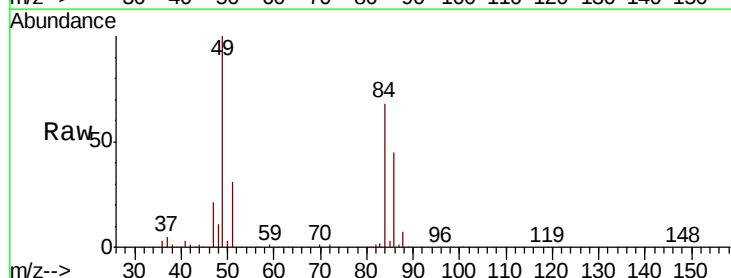
Ion Ratio Lower Upper

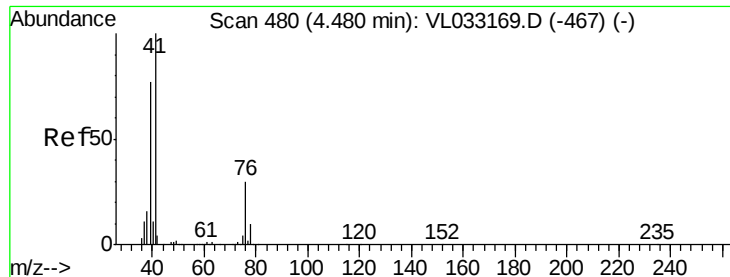
84 100

49 146.3 115.8 173.8

51 44.8 33.0 49.6

86 65.6 48.2 72.2





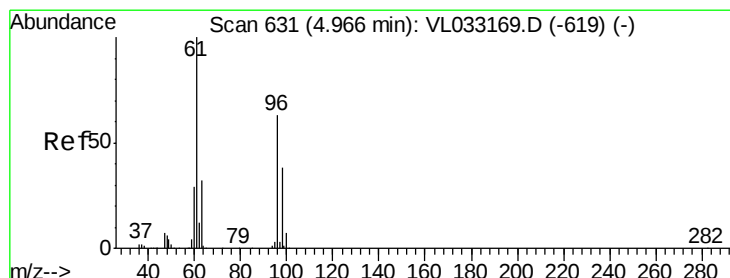
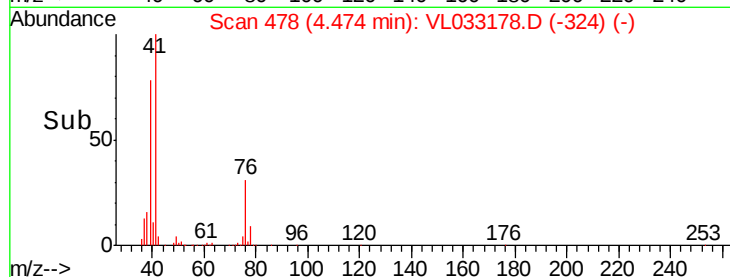
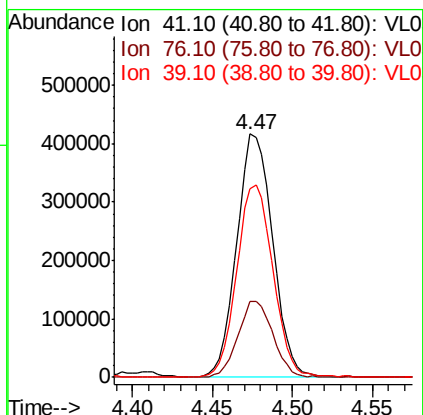
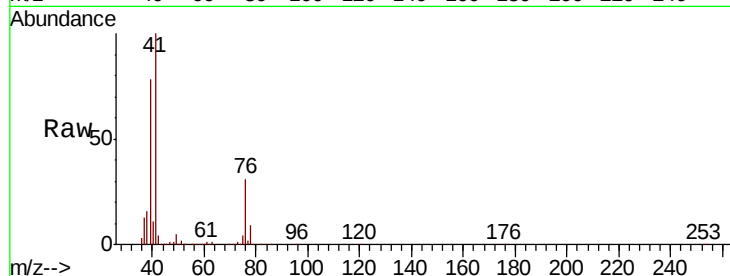
#21
 Allyl Chloride
 Concen: 8.240 ppbv
 RT: 4.47 min Scan# 478
 Delta R.T. -0.01 min
 Lab File: VL033178.D
 Acq: 6 Feb 2019 9:17

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0205ABS01

Tgt Ion	Ratio	Lower	Upper
41	100		
76	30.8	24.5	36.7
39	80.0	64.1	96.1

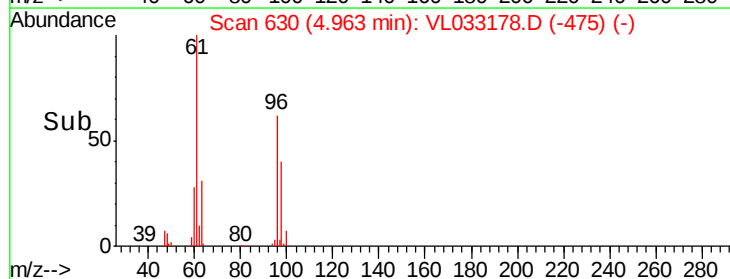
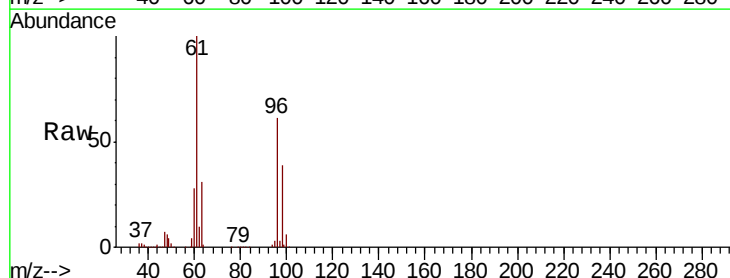
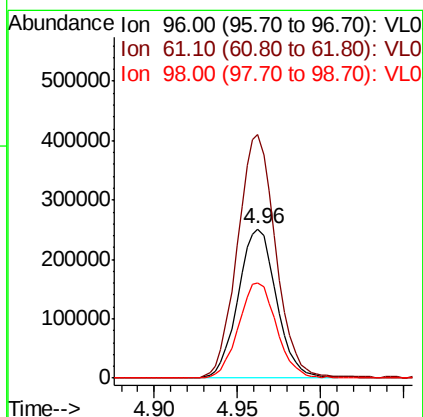
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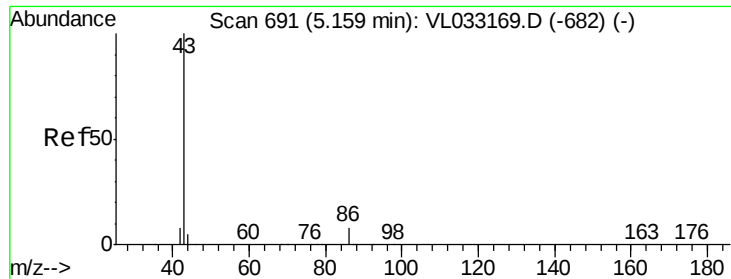
MMDadoda
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#22
 trans-1,2-Dichloroethene
 Concen: 8.378 ppbv
 RT: 4.96 min Scan# 630
 Delta R.T. -0.00 min
 Lab File: VL033178.D
 Acq: 6 Feb 2019 9:17

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.2	126.4	189.6
98	64.2	48.4	72.6





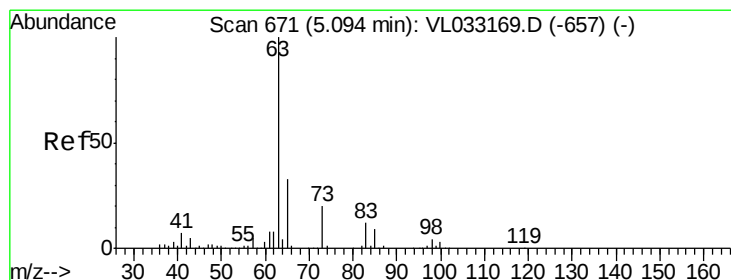
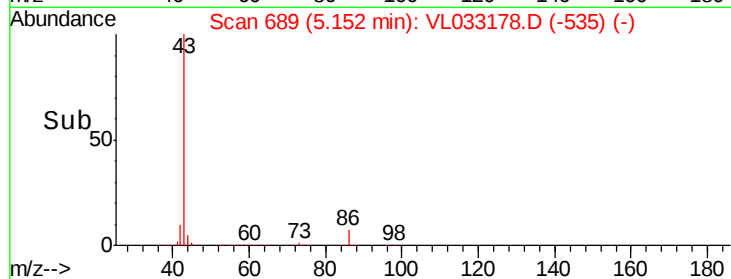
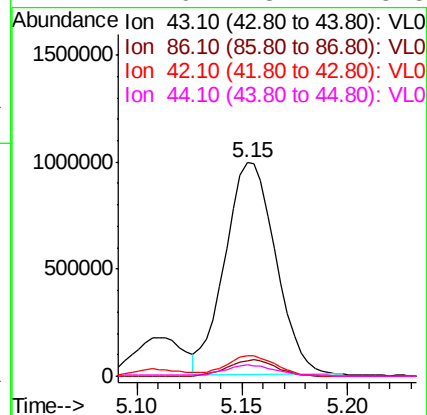
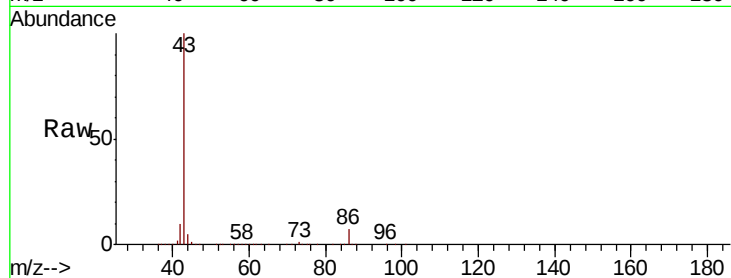
#23
 Vinyl Acetate
 Concen: 8.241 ppbv
 RT: 5.15 min Scan# 689
 Delta R.T. -0.01 min
 Lab File: VL033178.D
 Acq: 6 Feb 2019 9:17

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0205ABS01

Tgt Ion	Ratio	Lower	Upper
43	100		
86	7.0	5.8	8.8
42	9.7	7.4	11.0
44	4.9	3.7	5.5

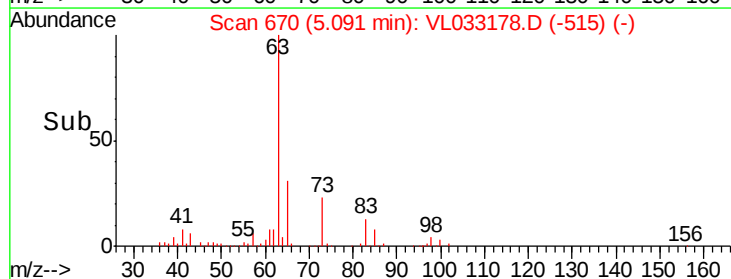
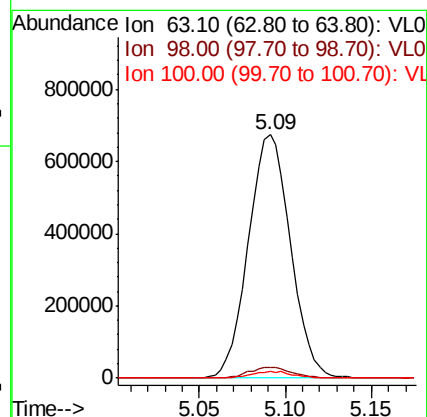
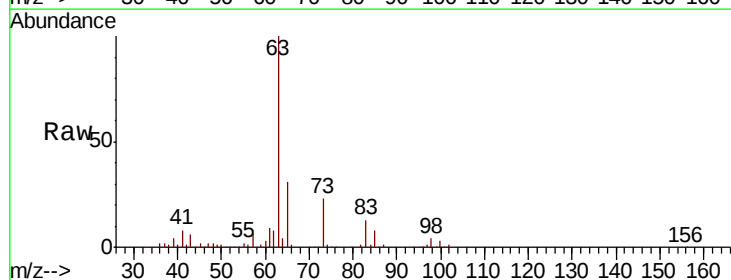
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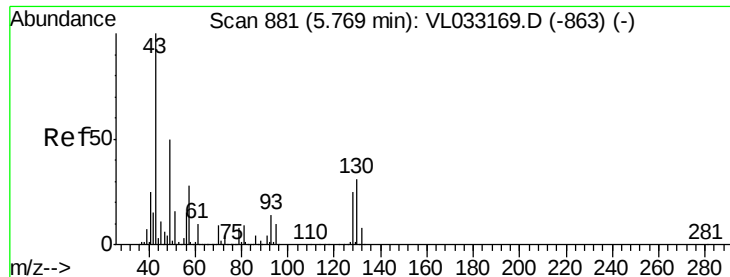
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#24
 1,1-Dichloroethane
 Concen: 8.029 ppbv
 RT: 5.09 min Scan# 670
 Delta R.T. -0.00 min
 Lab File: VL033178.D
 Acq: 6 Feb 2019 9:17

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





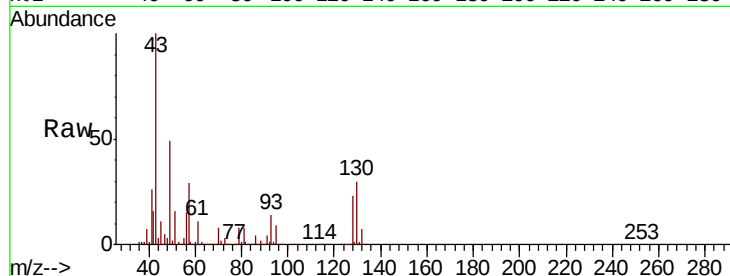
#25
Ethyl Acetate
Concen: 8.966 ppbv
RT: 5.77 min Scan# 880
Delta R.T. -0.00 min
Lab File: VL033178.D
Acq: 6 Feb 2019 9:17

Instrument :
MSVOA_L
ClientSampleId :
VL0205ABS01

Tgt Ion	Ratio	Lower	Upper
43	100		
45	9.8	7.9	11.9
61	9.3	7.5	11.3
70	7.2	5.8	8.8

Manual Integrations
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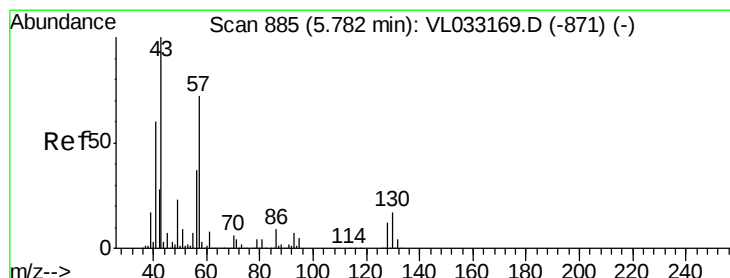
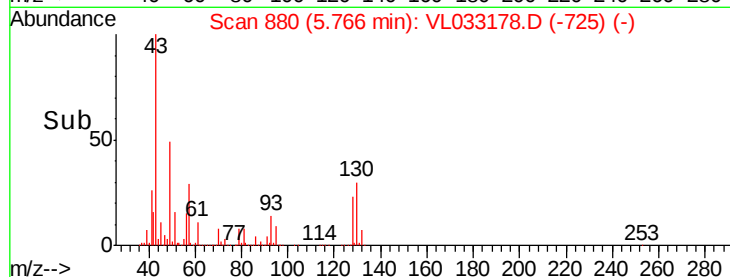
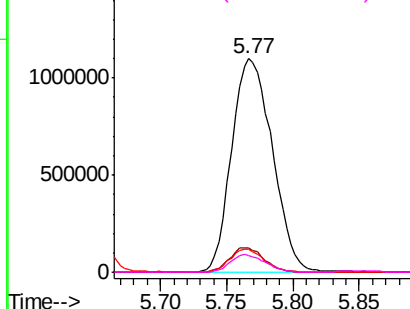
Abundance

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: 8.554 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.00 min
Lab File: VL033178.D
Acq: 6 Feb 2019 9:17

Tgt Ion	Ratio	Lower	Upper
57	100		
41	87.7	69.4	104.2
43	224.9	176.7	265.1
56	52.1	41.4	62.0

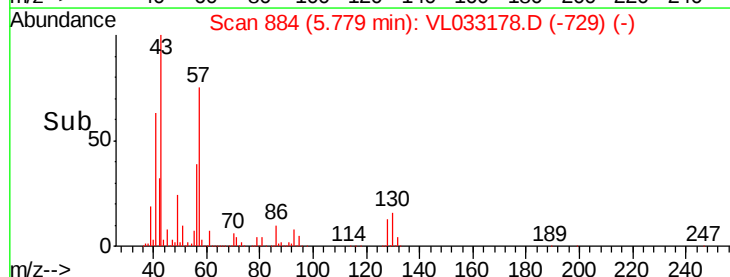
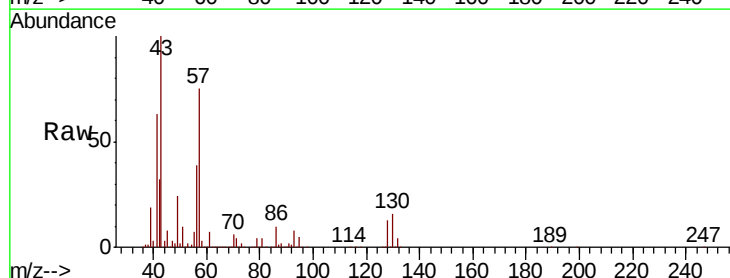
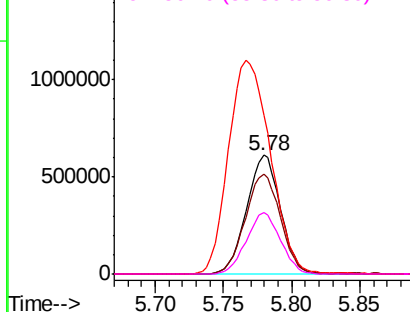
Abundance

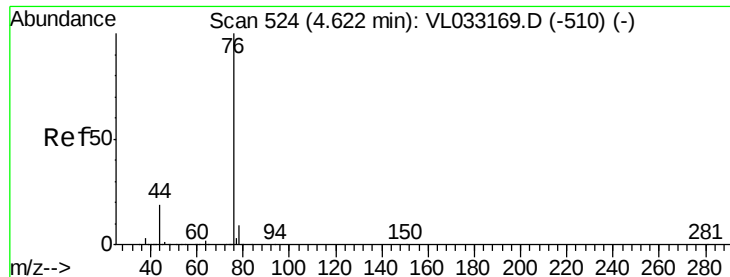
Ion 57.10 (56.80 to 57.80): VL0

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





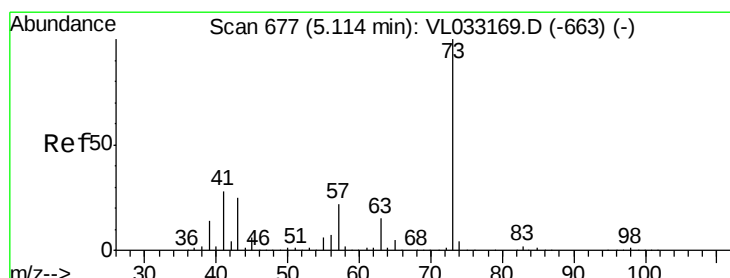
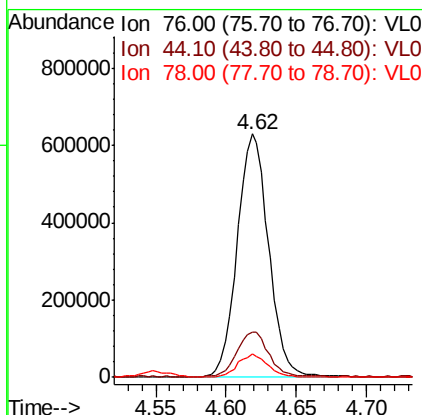
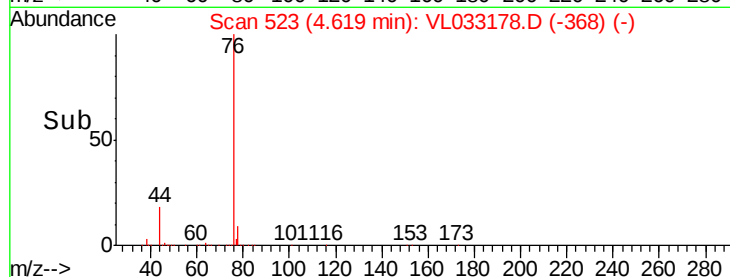
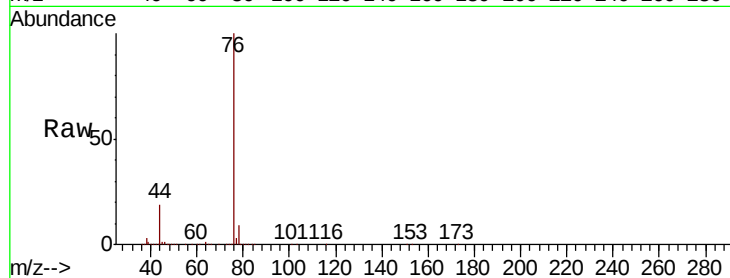
#27
Carbon Disulfide
Concen: 8.763 ppbv
RT: 4.62 min Scan# 523
Delta R.T. -0.00 min
Lab File: VL033178.D
Acq: 6 Feb 2019 9:17

Instrument :
MSVOA_L
ClientSampleId :
VL0205ABS01

Tgt Ion	Ratio	Lower	Upper
76	100		
44	18.6	15.0	22.4
78	9.2	7.4	11.0

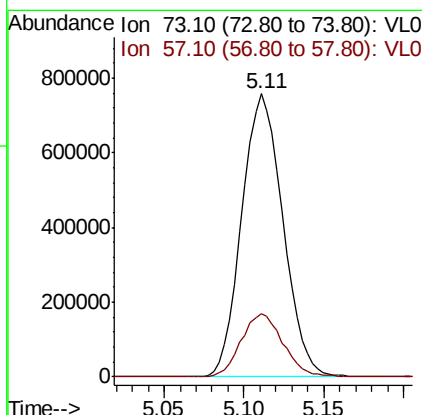
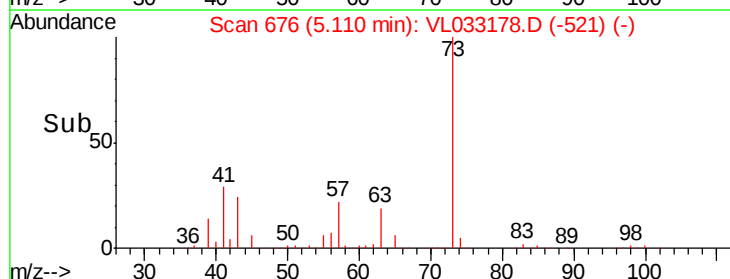
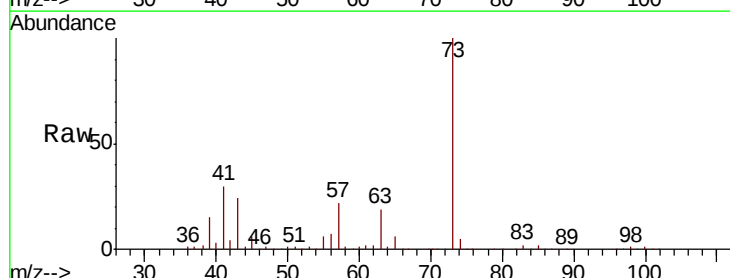
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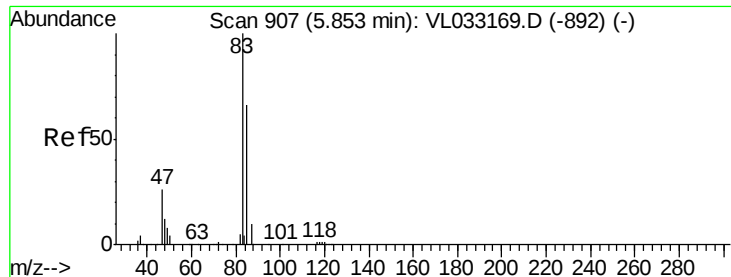
MMDadoda
2/20/2019 12:21:23 PM



#28
Methyl tert-Butyl Ether
Concen: 7.933 ppbv
RT: 5.11 min Scan# 676
Delta R.T. -0.00 min
Lab File: VL033178.D
Acq: 6 Feb 2019 9:17

Tgt Ion	Ratio	Lower	Upper
73	100		
57	22.9	17.9	26.9





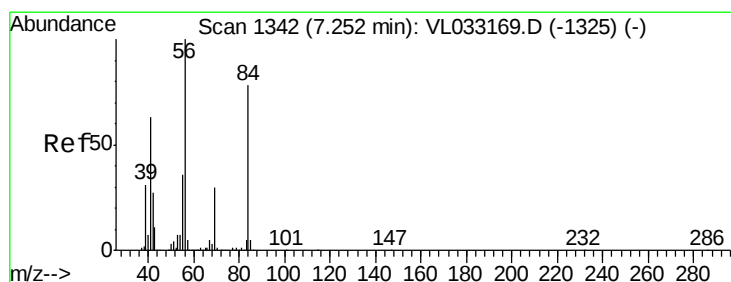
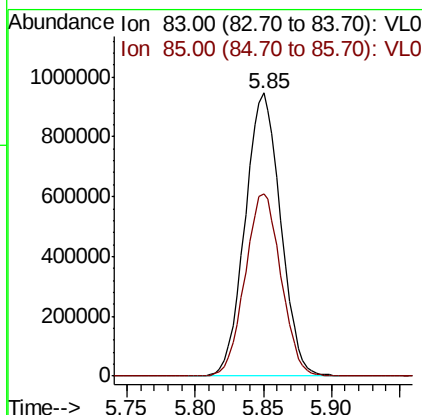
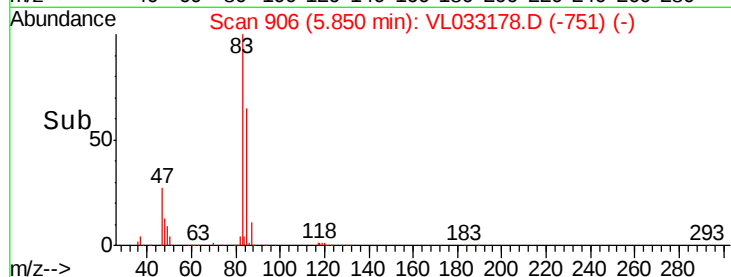
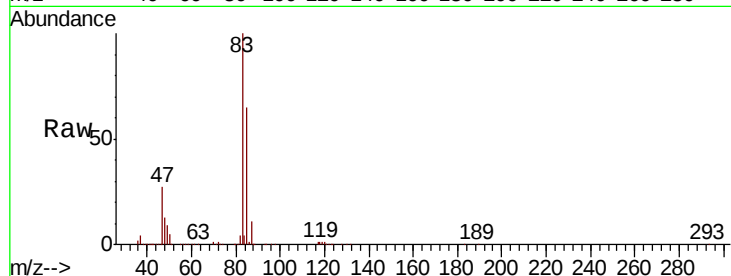
#29
Chloroform
Concen: 9.094 ppbv
RT: 5.85 min Scan# 906
Delta R.T. -0.00 min
Lab File: VL033178.D
Acq: 6 Feb 2019 9:17

Instrument :
MSVOA_L
ClientSampleId :
VL0205ABS01

Tgt Ion: 83 Resp: 1709019
Ion Ratio Lower Upper
83 100
85 64.4 52.6 78.8

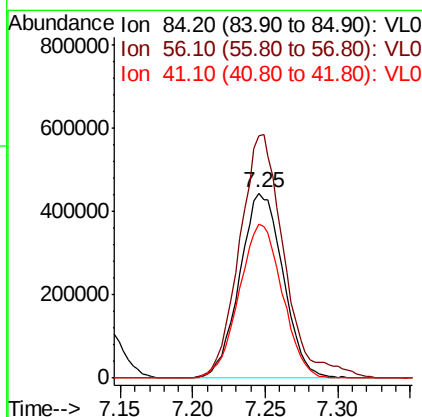
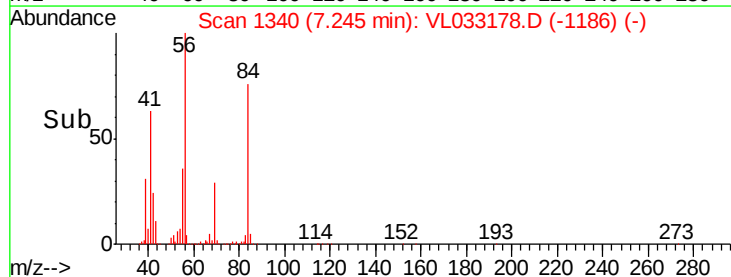
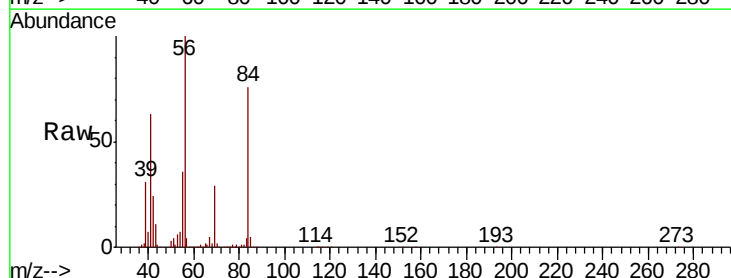
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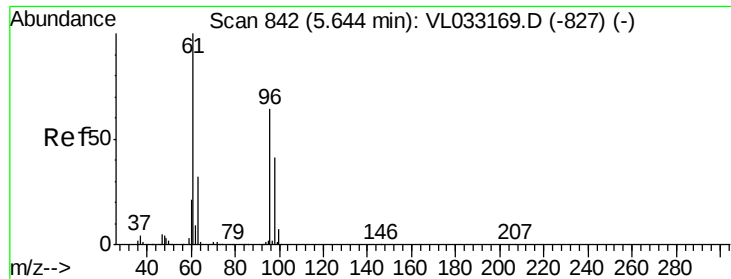
MMDadoda
2/20/2019 12:21:23 PM



#30
Cyclohexane
Concen: 8.136 ppbv
RT: 7.25 min Scan# 1340
Delta R.T. -0.01 min
Lab File: VL033178.D
Acq: 6 Feb 2019 9:17

Tgt Ion: 84 Resp: 925688
Ion Ratio Lower Upper
84 100
56 135.6 109.5 164.3
41 83.1 66.6 100.0





#31

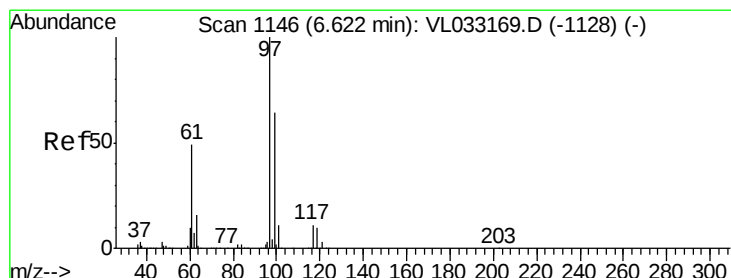
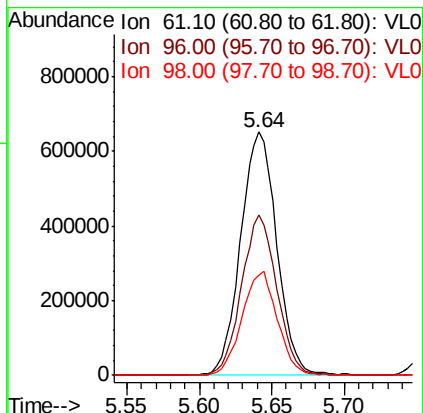
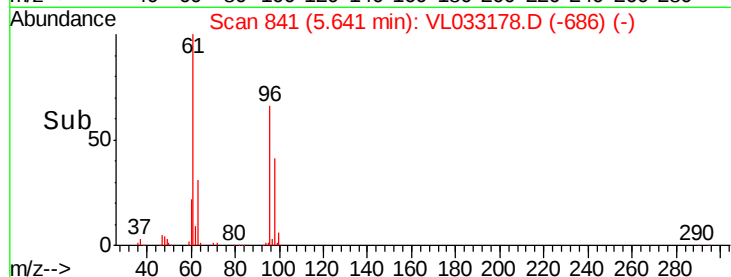
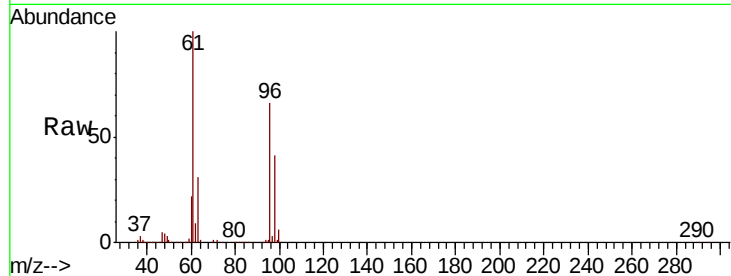
cis-1,2-Dichloroethene
 Concen: 9.205 ppbv
 RT: 5.64 min Scan# 841
 Delta R.T. -0.00 min
 Lab File: VL033178.D
 Acq: 6 Feb 2019 9:17

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0205ABS01

Tgt Ion: 61 Resp: 1129896
 Ion Ratio Lower Upper
 61 100
 96 65.9 51.2 76.8
 98 41.1 32.8 49.2

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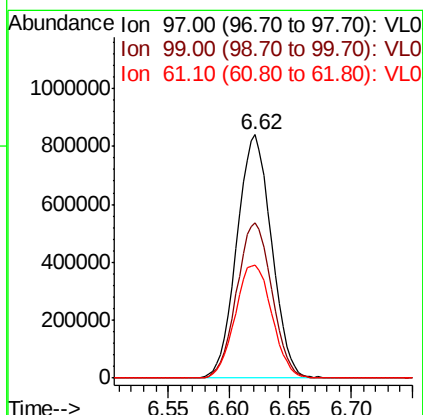
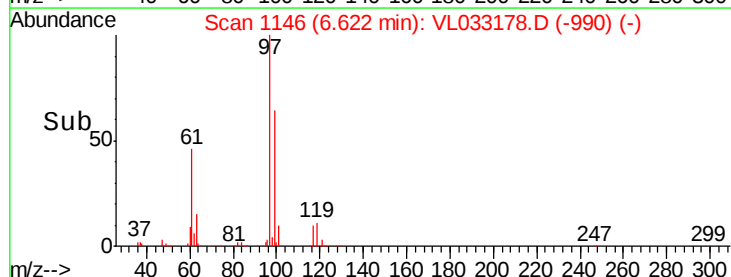
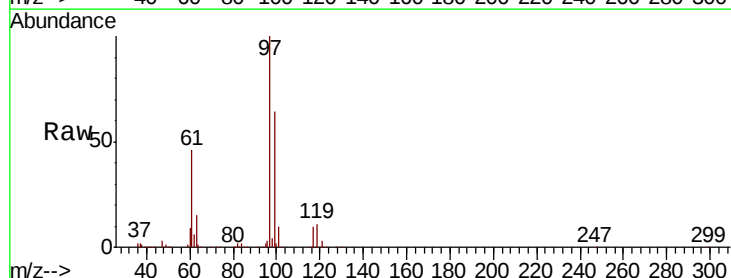
MMDadoda
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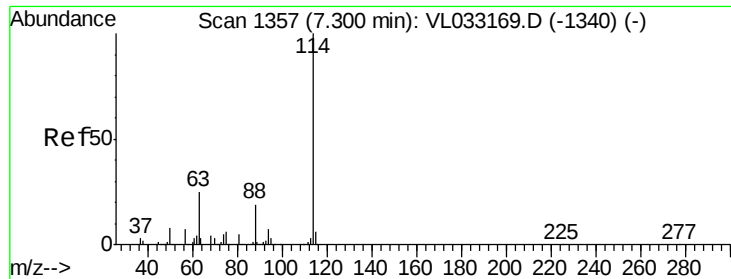


#32

1,1,1-Trichloroethane
 Concen: 7.978 ppbv
 RT: 6.62 min Scan# 1146
 Delta R.T. 0.00 min
 Lab File: VL033178.D
 Acq: 6 Feb 2019 9:17

Tgt Ion: 97 Resp: 1650864
 Ion Ratio Lower Upper
 97 100
 99 64.8 51.4 77.2
 61 49.3 38.8 58.2





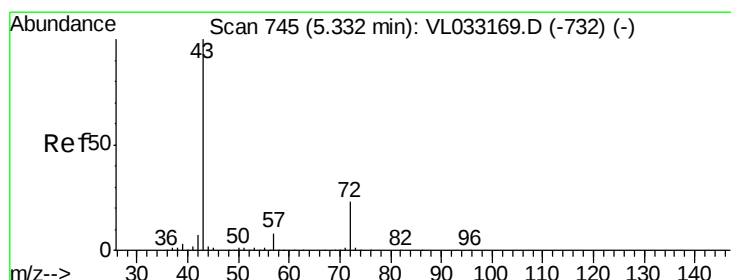
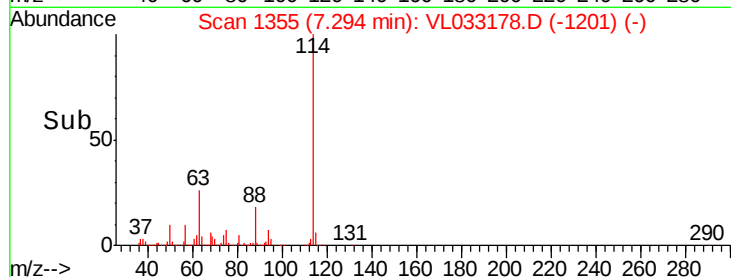
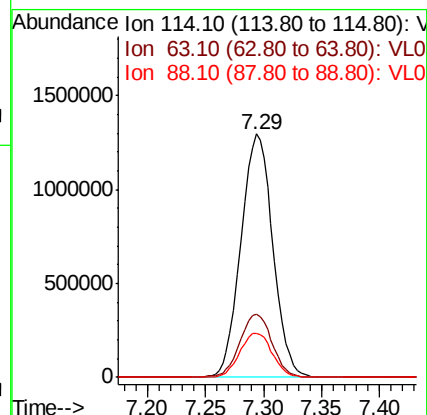
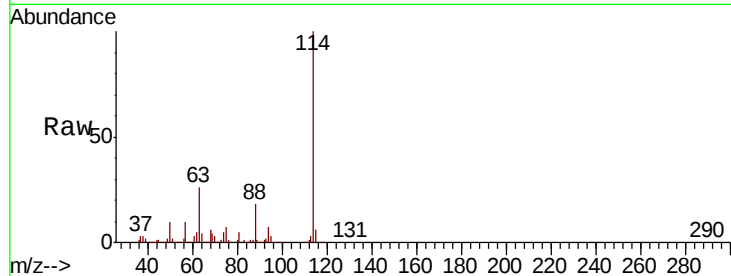
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1355
 Delta R.T. -0.01 min
 Lab File: VL033178.D
 Acq: 6 Feb 2019 9:17

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0205ABS01

Tgt Ion	Ratio	Lower	Upper
114	100		
63	26.4	20.8	31.2
88	18.6	14.6	22.0

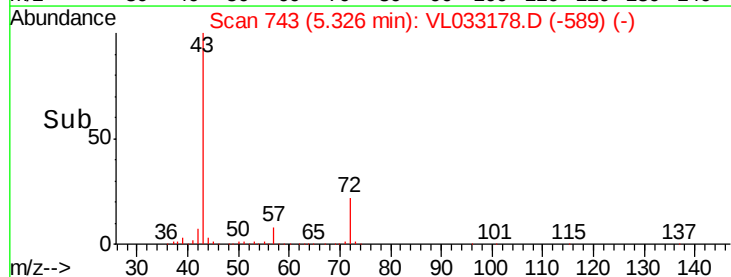
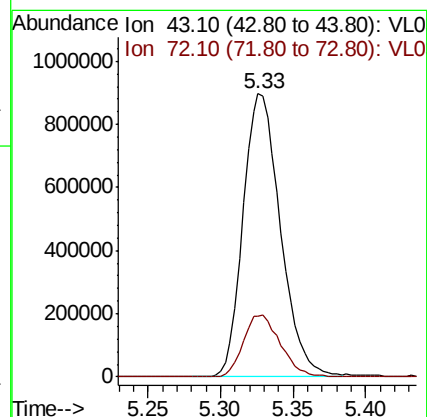
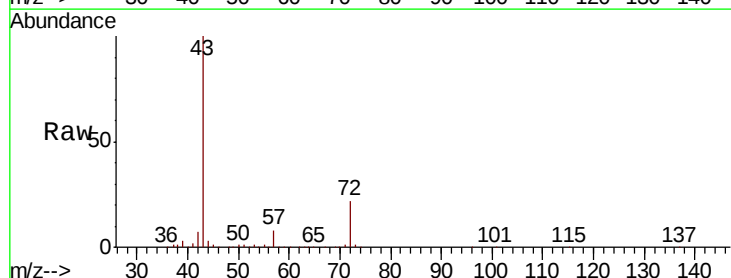
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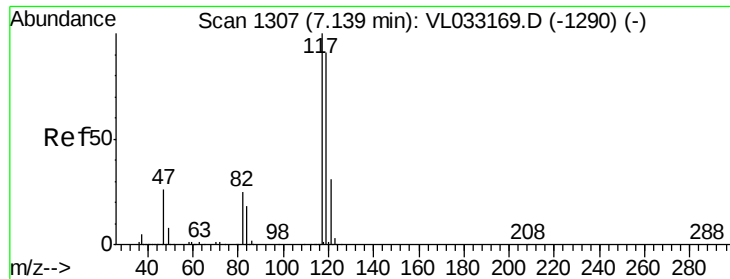
MMDadoda
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#34
 2-Butanone
 Concen: 10.188 ppbv
 RT: 5.33 min Scan# 743
 Delta R.T. -0.01 min
 Lab File: VL033178.D
 Acq: 6 Feb 2019 9:17

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.9	17.8	26.6





#35

Carbon Tetrachloride

Concen: 9.012 ppbv

RT: 7.14 min Scan# 1306

Delta R.T. -0.00 min

Lab File: VL033178.D

Acq: 6 Feb 2019 9:17

Instrument :

MSVOA_L

ClientSampleId :

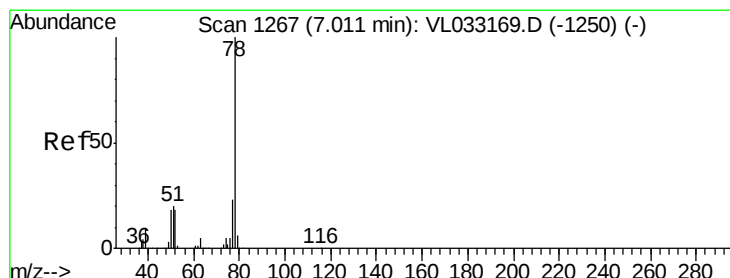
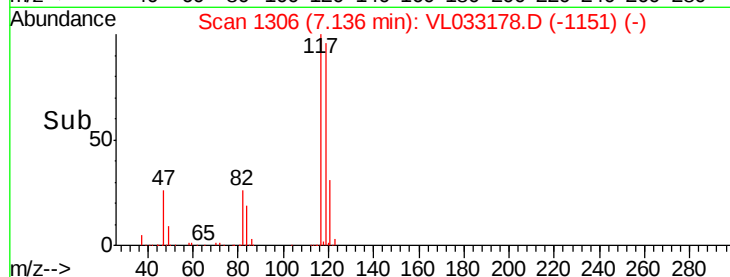
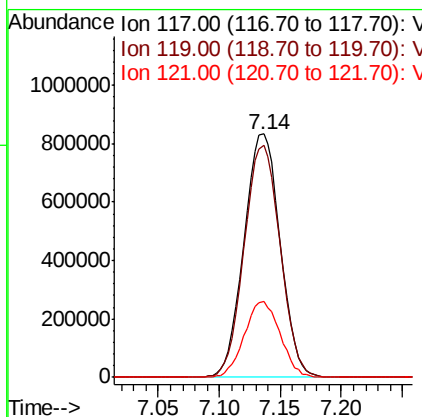
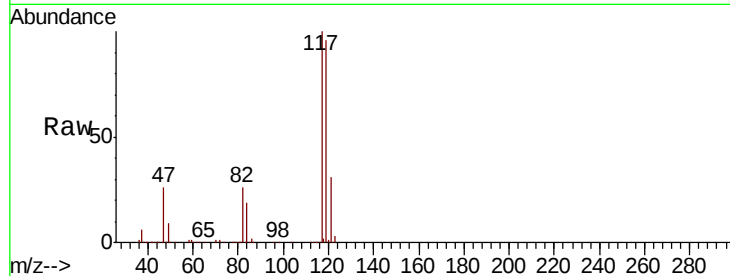
VL0205ABS01

Tgt Ion: 117 Resp: 1701145

Ion	Ratio	Lower	Upper
117	100		
119	95.6	73.0	109.6
121	30.9	25.1	37.7

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#36

Benzene

Concen: 9.049 ppbv

RT: 7.00 min Scan# 1265

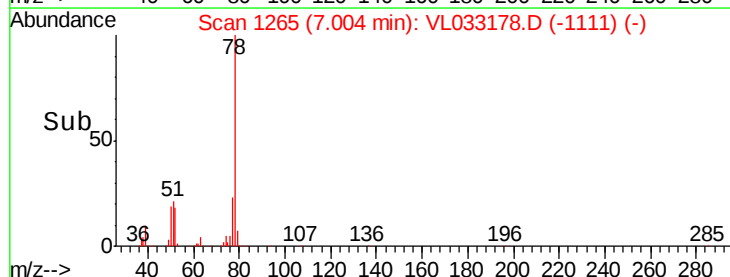
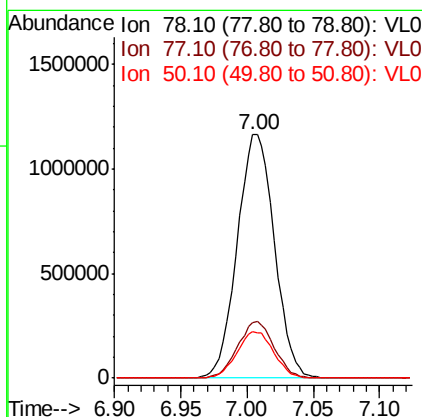
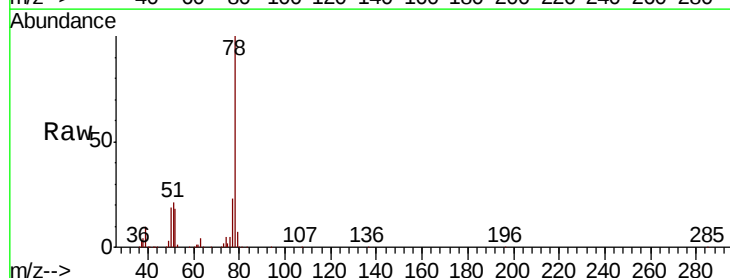
Delta R.T. -0.01 min

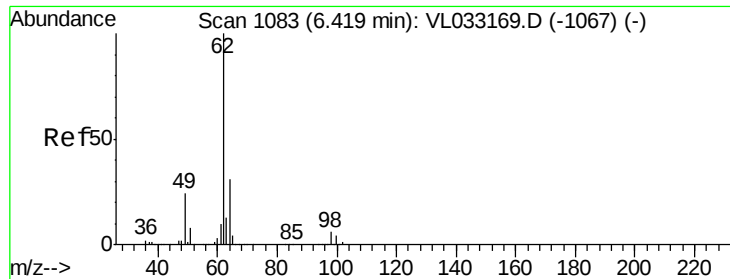
Lab File: VL033178.D

Acq: 6 Feb 2019 9:17

Tgt Ion: 78 Resp: 2266856

Ion	Ratio	Lower	Upper
78	100		
77	22.6	18.0	27.0
50	18.9	14.2	21.2





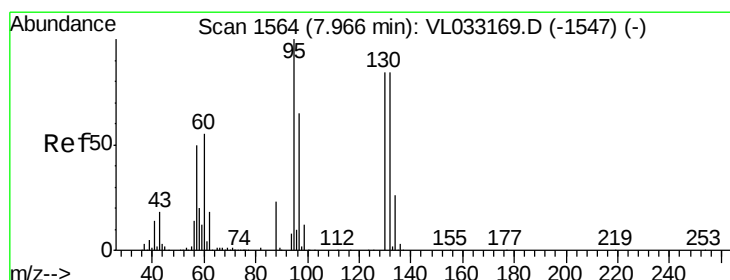
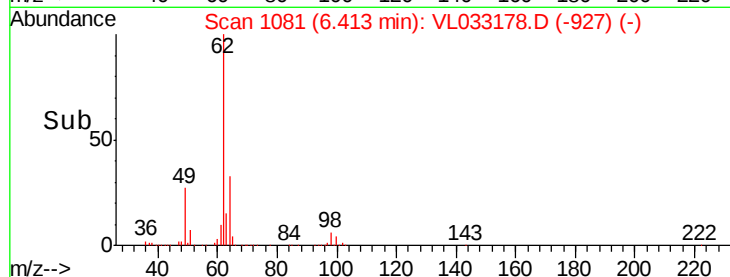
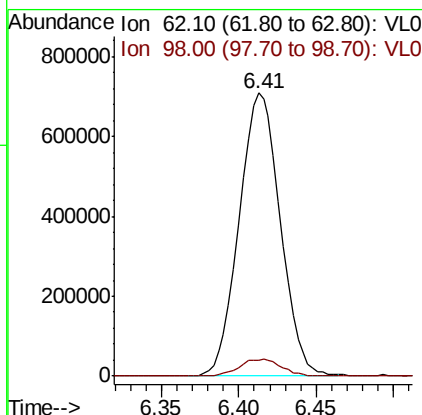
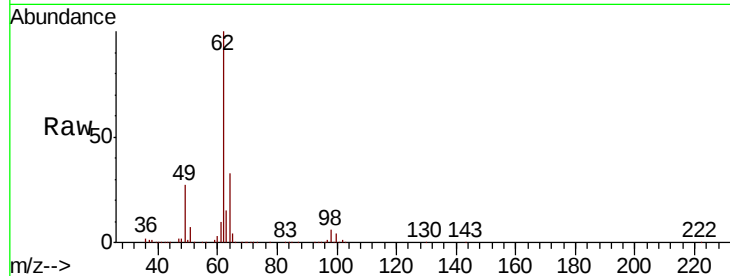
#37
 1,2-Dichloroethane
 Concen: 9.447 ppbv
 RT: 6.41 min Scan# 1081
 Delta R.T. -0.01 min
 Lab File: VL033178.D
 Acq: 6 Feb 2019 9:17

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0205ABS01

Tgt Ion: 62 Resp: 1311451
 Ion Ratio Lower Upper
 62 100
 98 6.1 4.7 7.1

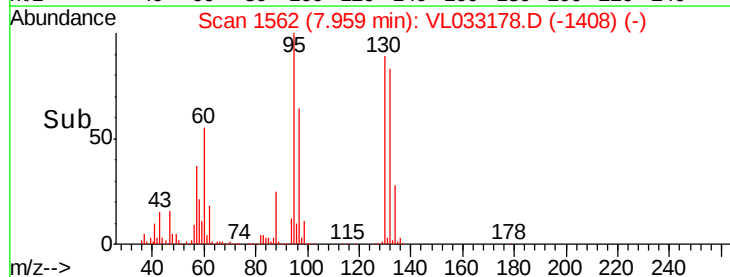
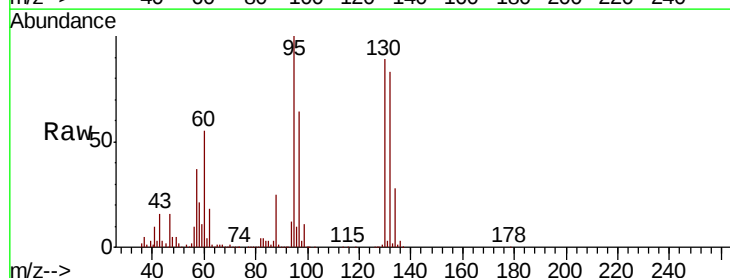
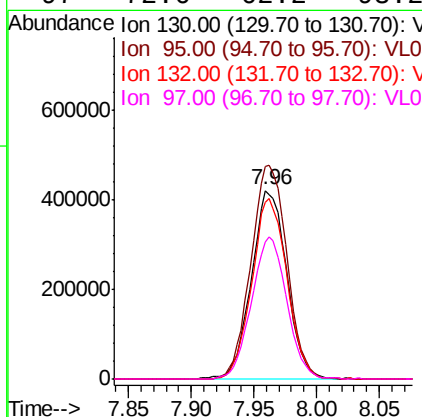
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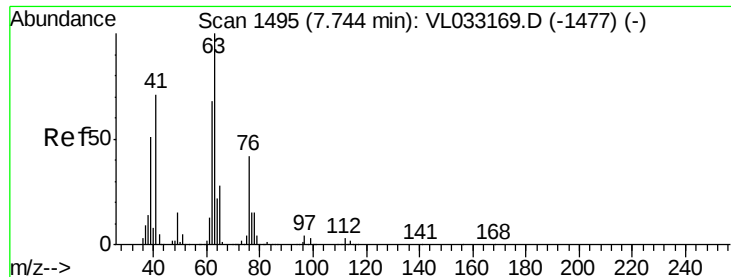
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#38
 Trichloroethene
 Concen: 7.698 ppbv
 RT: 7.96 min Scan# 1562
 Delta R.T. -0.01 min
 Lab File: VL033178.D
 Acq: 6 Feb 2019 9:17

Tgt Ion: 130 Resp: 823979
 Ion Ratio Lower Upper
 130 100
 95 112.5 95.5 143.3
 132 93.6 80.0 120.0
 97 72.6 62.2 93.2





#39

1,2-Dichloropropane

Concen: 8.858 ppbv

RT: 7.74 min Scan# 1493

Delta R.T. -0.01 min

Lab File: VL033178.D

Acq: 6 Feb 2019 9:17

Instrument :

MSVOA_L

ClientSampleId :

VL0205ABS01

Tgt Ion: 63 Resp: 876267
Ion Ratio Lower Upper

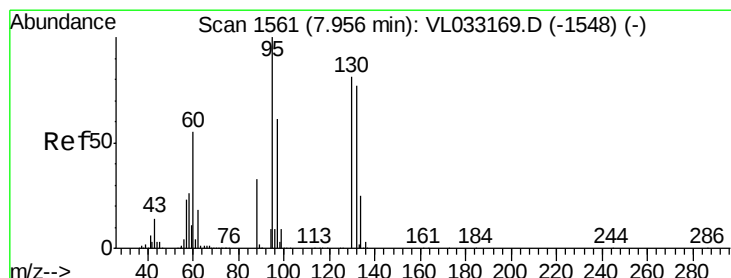
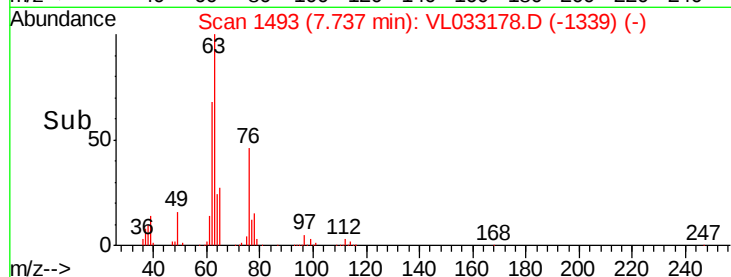
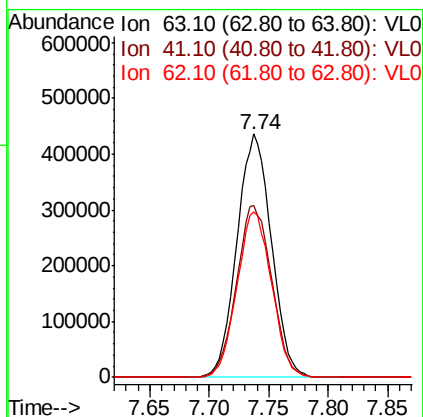
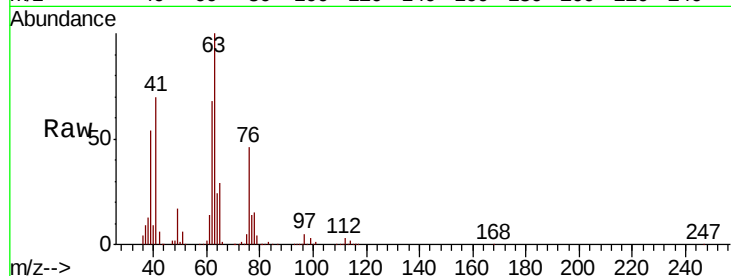
63 100

41 70.4 56.4 84.6

62 67.9 54.2 81.4

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#40

1,4-Dioxane

Concen: 8.714 ppbv

RT: 7.95 min Scan# 1560

Delta R.T. -0.00 min

Lab File: VL033178.D

Acq: 6 Feb 2019 9:17

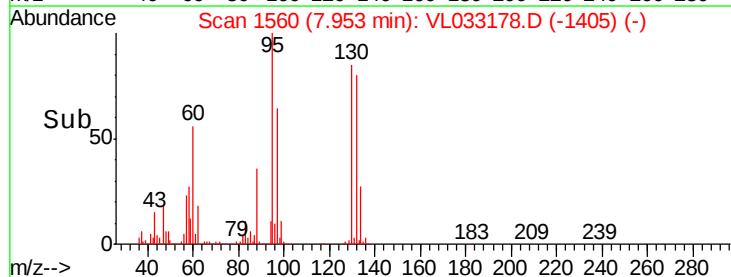
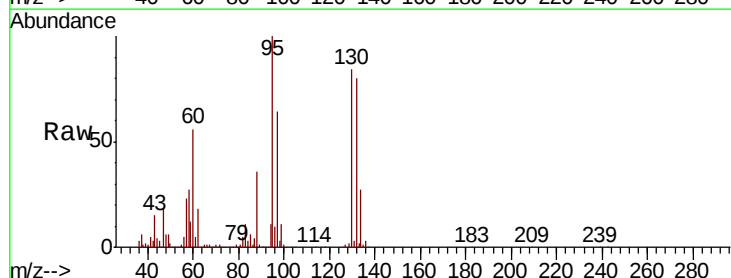
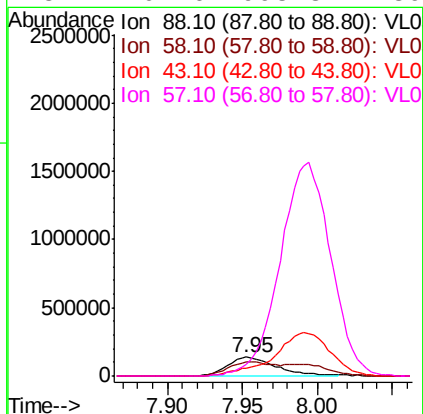
Tgt Ion: 88 Resp: 306095
Ion Ratio Lower Upper

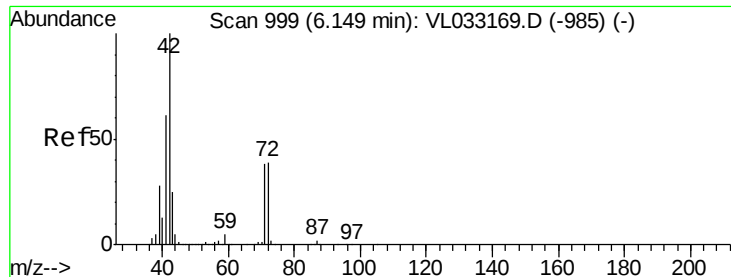
88 100

58 130.2 106.4 159.6

43 269.7 219.6 329.4

57 1204.6 993.3 1489.9





#41

Tetrahydrofuran

Concen: 9.838 ppbv

RT: 6.15 min Scan# 998

Delta R.T. -0.00 min

Lab File: VL033178.D

Acq: 6 Feb 2019 9:17

Instrument :

MSVOA_L

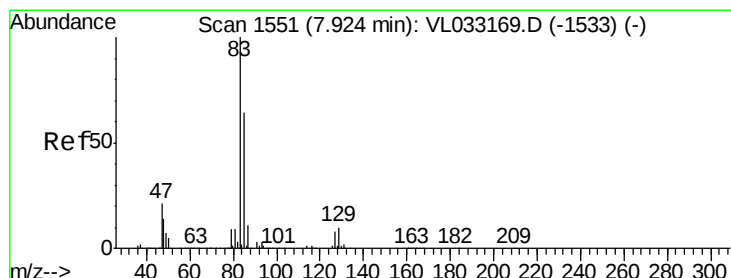
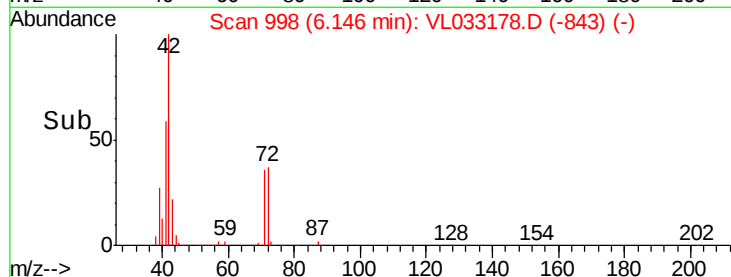
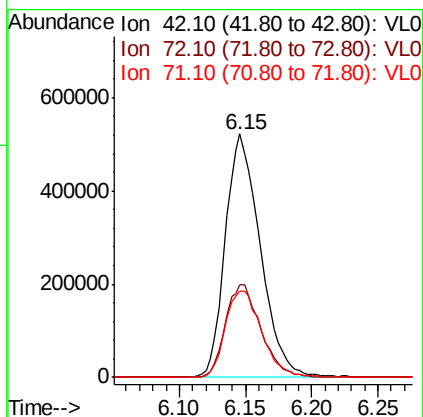
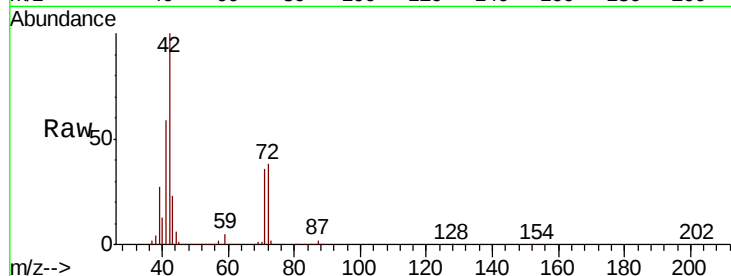
ClientSampleId :

VL0205ABS01

Tgt Ion:	42	Resp:	953484
Ion Ratio		Lower	Upper
42	100		
72	38.9	31.4	47.2
71	37.2	30.2	45.2

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#42

Bromodichloromethane

Concen: 9.350 ppbv

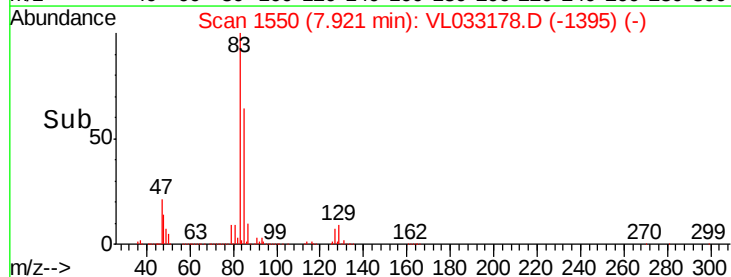
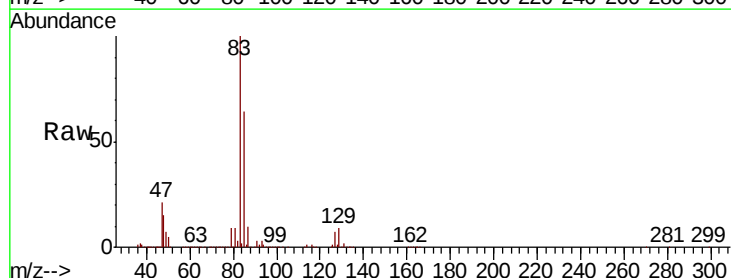
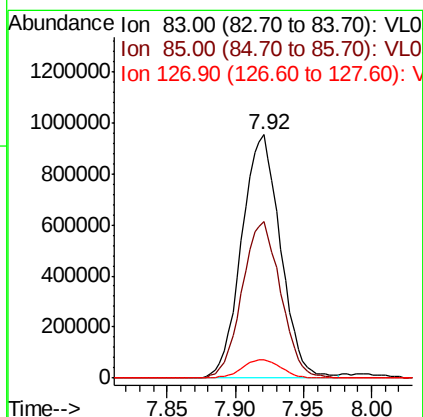
RT: 7.92 min Scan# 1550

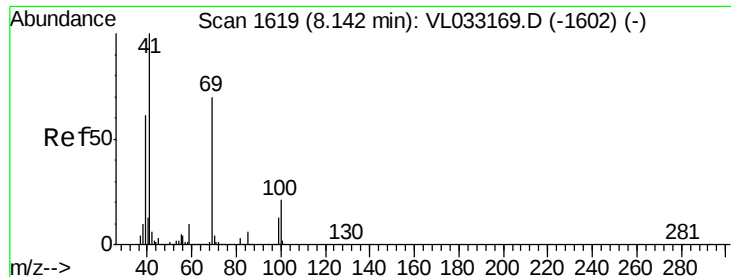
Delta R.T. -0.00 min

Lab File: VL033178.D

Acq: 6 Feb 2019 9:17

Tgt Ion:	83	Resp:	1881115
Ion Ratio		Lower	Upper
83	100		
85	64.4	51.1	76.7
127	7.3	6.4	9.6





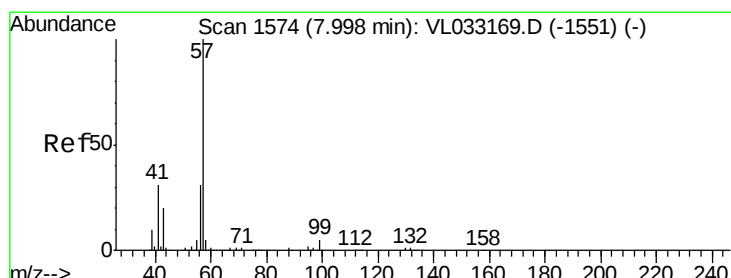
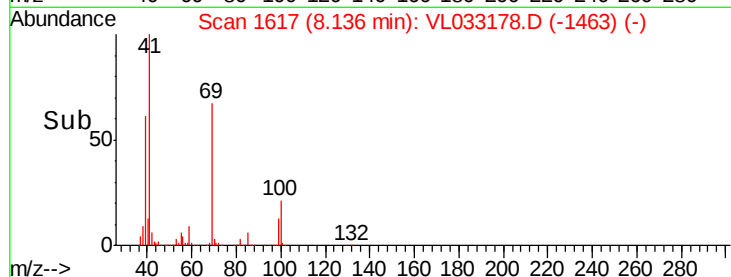
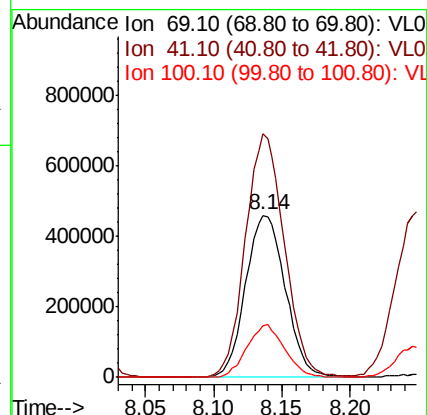
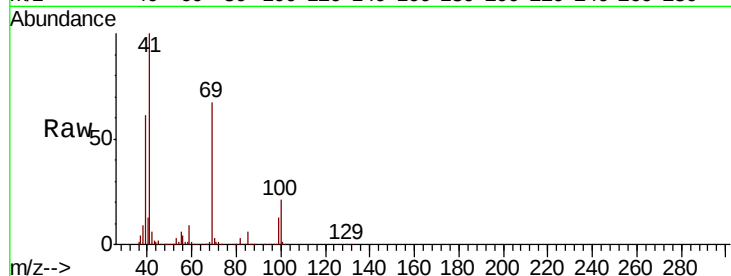
#43
Methyl Methacrylate
Concen: 9.243 ppbv
RT: 8.14 min Scan# 1617
Delta R.T. -0.01 min
Lab File: VL033178.D
Acq: 6 Feb 2019 9:17

Instrument :
MSVOA_L
ClientSampleId :
VL0205ABS01

Tgt Ion: 69 Resp: 929509
Ion Ratio Lower Upper
69 100
41 147.0 117.1 175.7
100 30.9 25.0 37.6

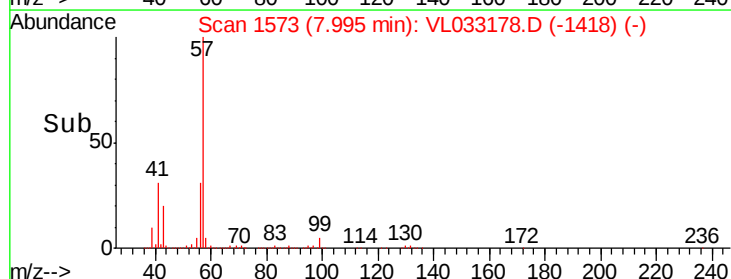
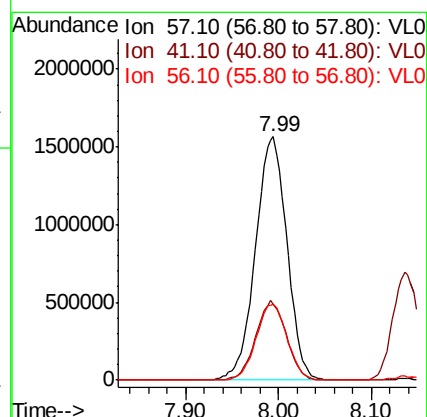
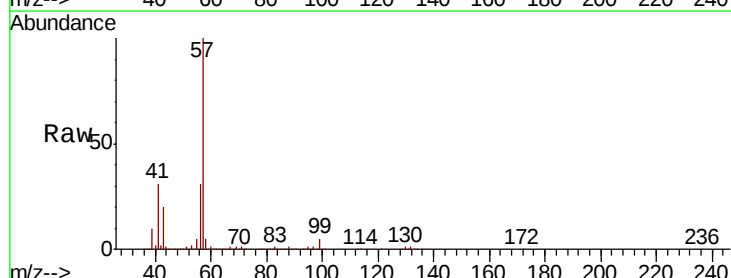
Manual Integrations
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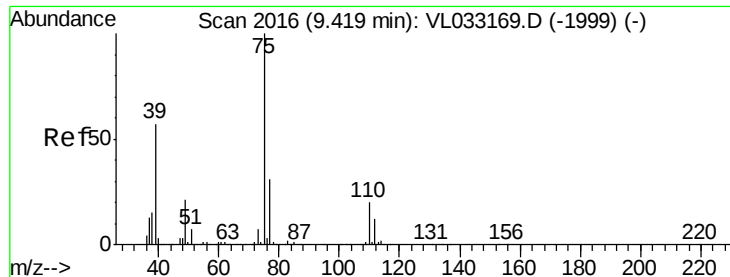
MMDadoda
2/20/2019 12:21:23 PM



#44
2,2,4-Trimethylpentane
Concen: 8.682 ppbv
RT: 7.99 min Scan# 1573
Delta R.T. -0.00 min
Lab File: VL033178.D
Acq: 6 Feb 2019 9:17

Tgt Ion: 57 Resp: 3685549
Ion Ratio Lower Upper
57 100
41 31.5 25.2 37.8
56 30.8 24.5 36.7





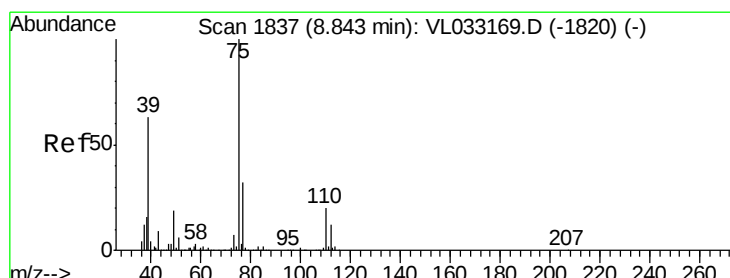
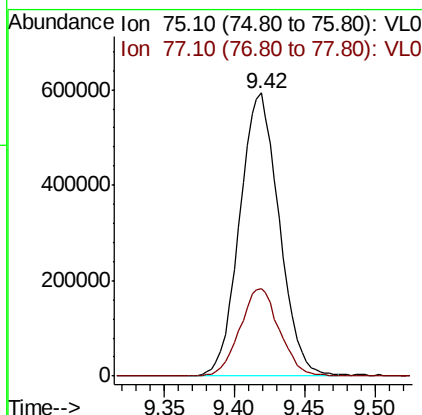
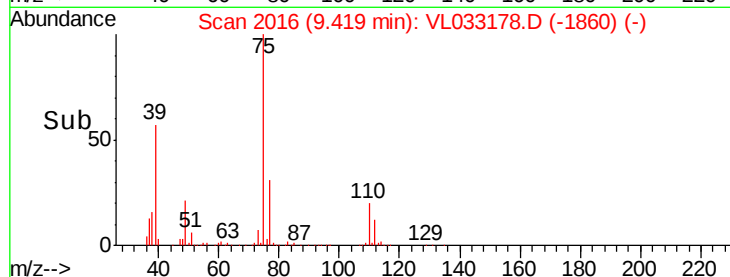
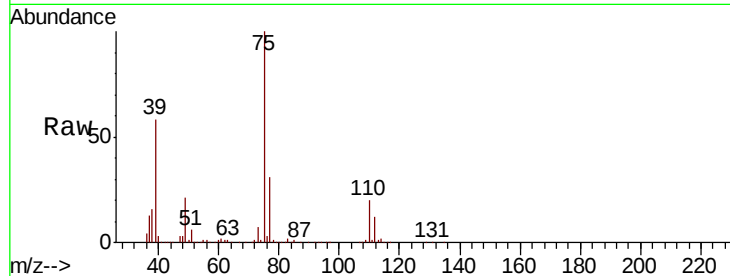
#45
 t-1,3-Dichloropropene
 Concen: 10.443 ppbv
 RT: 9.42 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VL033178.D
 Acq: 6 Feb 2019 9:17

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0205ABS01

Tgt Ion: 75 Resp: 1162962
 Ion Ratio Lower Upper
 75 100
 77 30.9 25.0 37.4

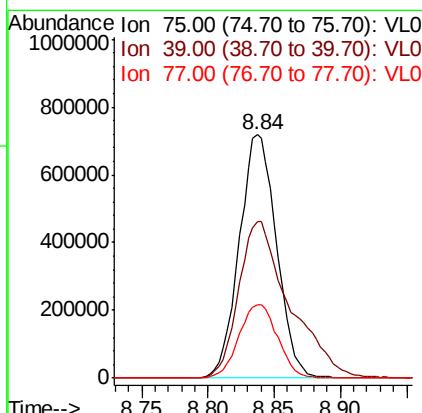
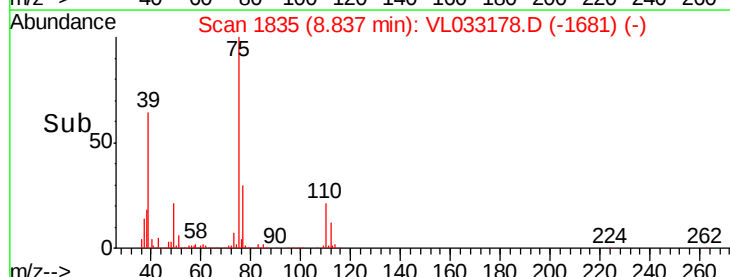
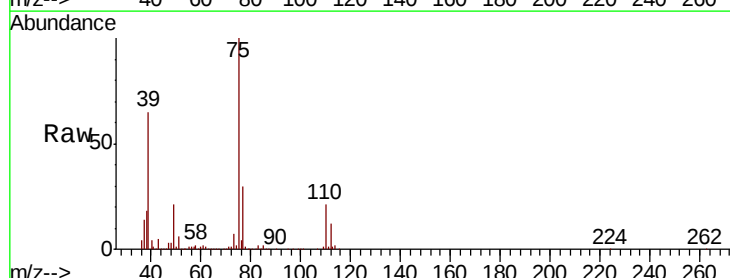
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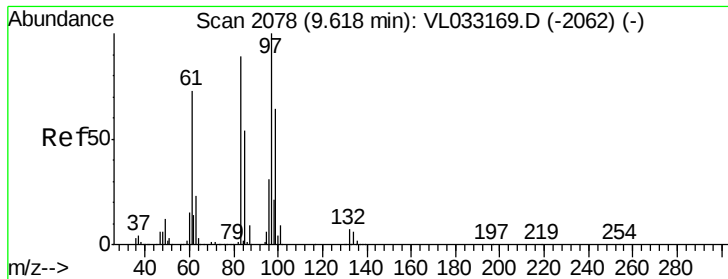
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#46
 cis-1,3-Dichloropropene
 Concen: 9.864 ppbv
 RT: 8.84 min Scan# 1835
 Delta R.T. -0.01 min
 Lab File: VL033178.D
 Acq: 6 Feb 2019 9:17

Tgt Ion: 75 Resp: 1403730
 Ion Ratio Lower Upper
 75 100
 39 64.4 50.1 75.1
 77 30.0 25.4 38.2





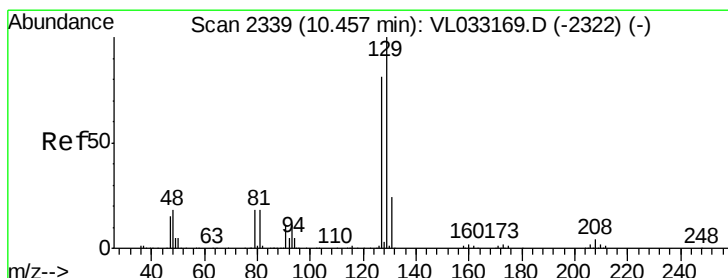
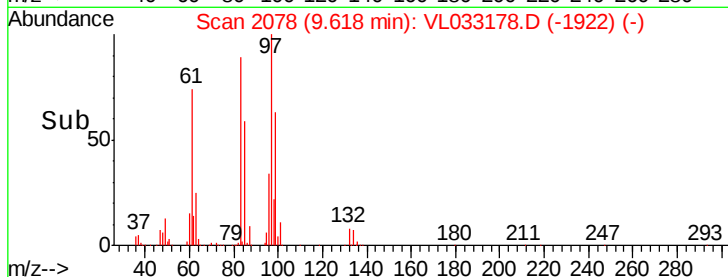
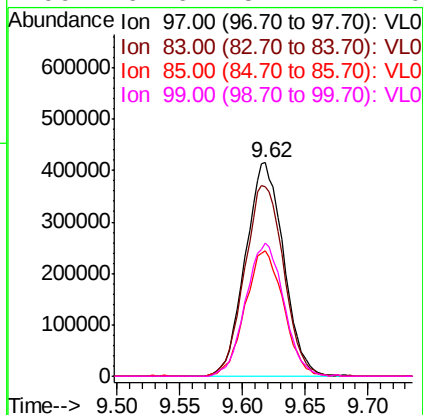
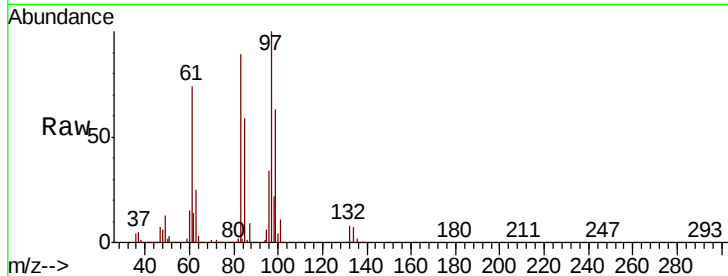
#47
 1,1,2-Trichloroethane
 Concen: 8.593 ppbv
 RT: 9.62 min Scan# 2078
 Delta R.T. 0.00 min
 Lab File: VL033178.D
 Acq: 6 Feb 2019 9:17

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0205ABS01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.7	71.4	107.2
85	58.8	43.5	65.3
99	62.6	51.4	77.0

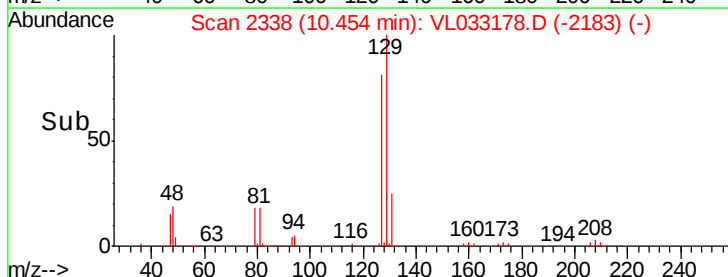
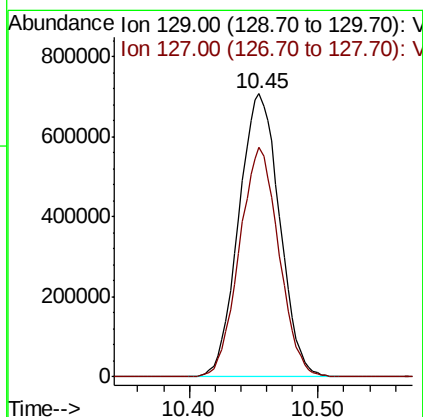
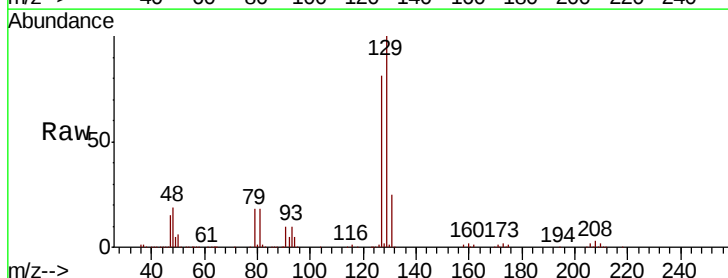
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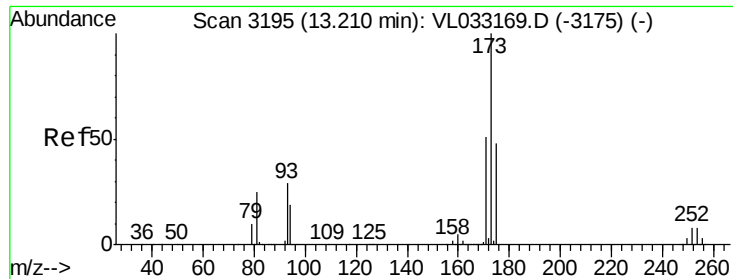
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#48
 Dibromochloromethane
 Concen: 9.636 ppbv
 RT: 10.45 min Scan# 2338
 Delta R.T. -0.00 min
 Lab File: VL033178.D
 Acq: 6 Feb 2019 9:17

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.7	39.1	117.3





#49

Bromoform

Concen: 9.856 ppbv

RT: 13.21 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VL033178.D

Acq: 6 Feb 2019 9:17

Instrument :

MSVOA_L

ClientSampleId :

VL0205ABS01

Tgt Ion:173 Resp: 1370814

Ion Ratio Lower Upper

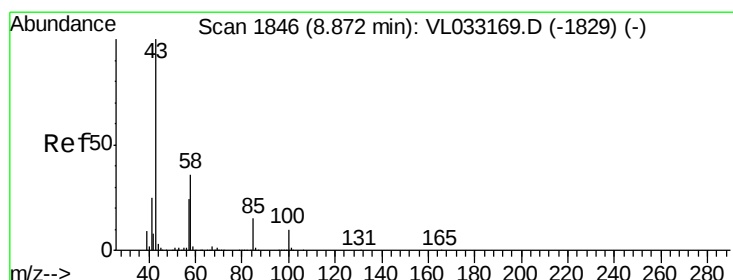
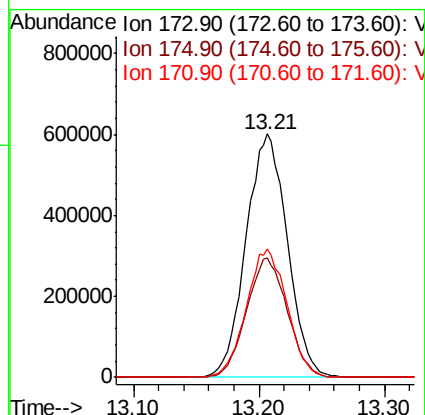
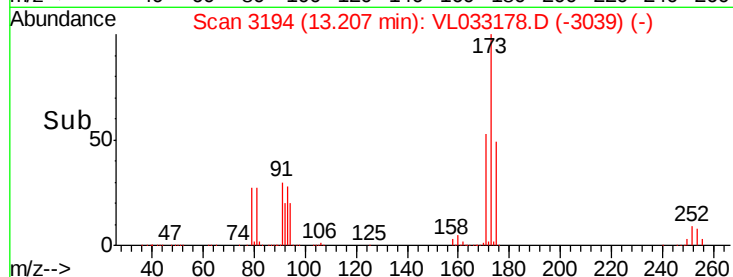
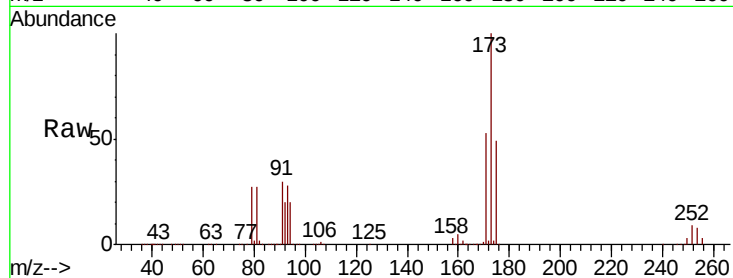
173 100

175 48.6 38.6 58.0

171 51.9 41.6 62.4

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2/20/2019 12:21:23 PM



#50

4-Methyl-2-Pentanone

Concen: 9.228 ppbv

RT: 8.87 min Scan# 1845

Delta R.T. -0.00 min

Lab File: VL033178.D

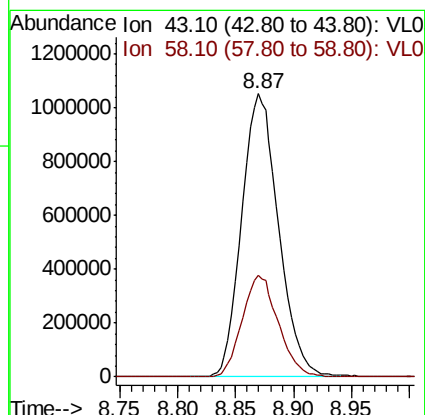
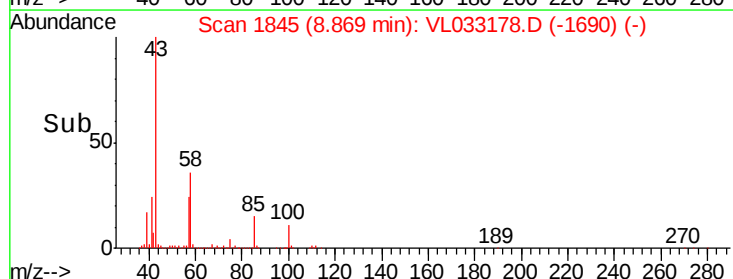
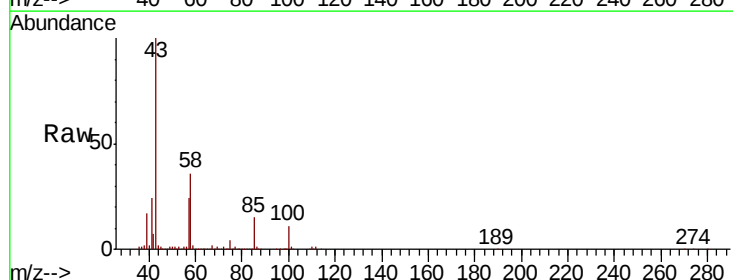
Acq: 6 Feb 2019 9:17

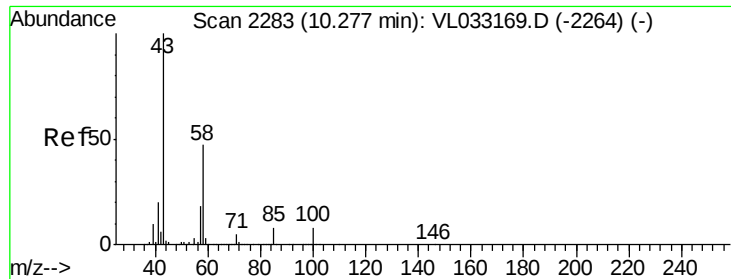
Tgt Ion: 43 Resp: 2319908

Ion Ratio Lower Upper

43 100

58 35.3 29.0 43.6





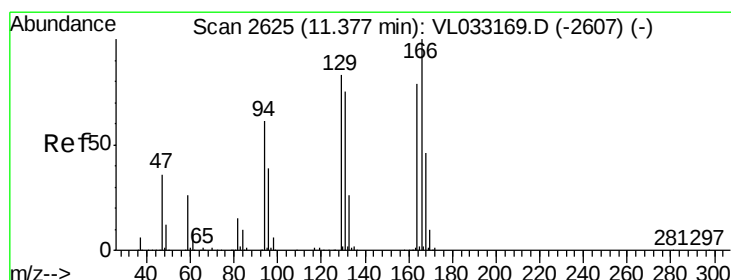
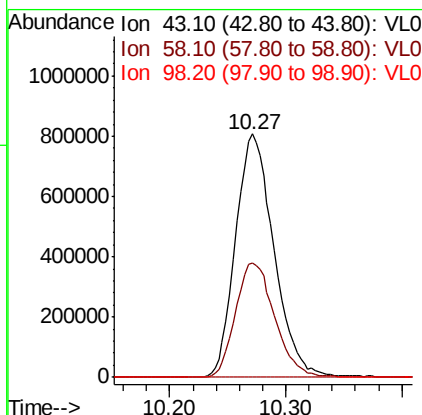
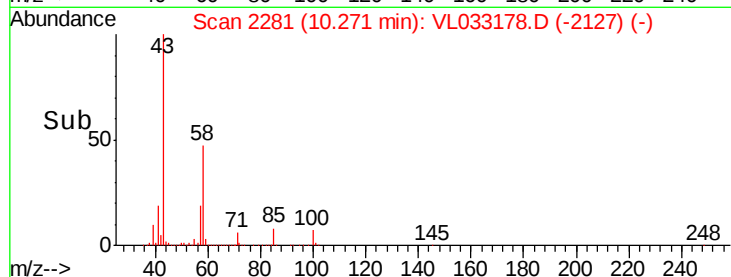
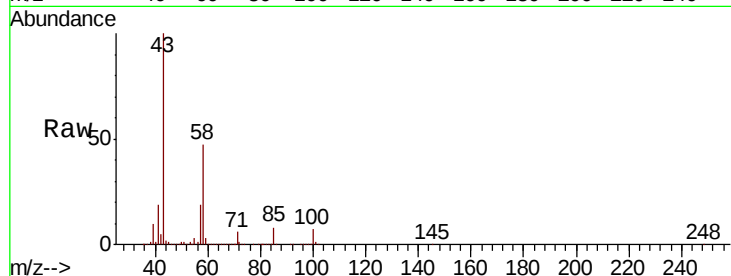
#51
2-Hexanone
Concen: 9.318 ppbv
RT: 10.27 min Scan# 2281
Delta R.T. -0.01 min
Lab File: VL033178.D
Acq: 6 Feb 2019 9:17

Instrument :
MSVOA_L
ClientSampleId :
VL0205ABS01

Tgt Ion: 43 Resp: 1847112
Ion Ratio Lower Upper
43 100
58 48.5 39.0 58.6
98 0.2 0.1 0.1#

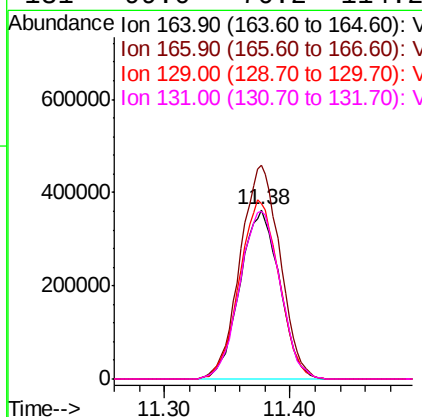
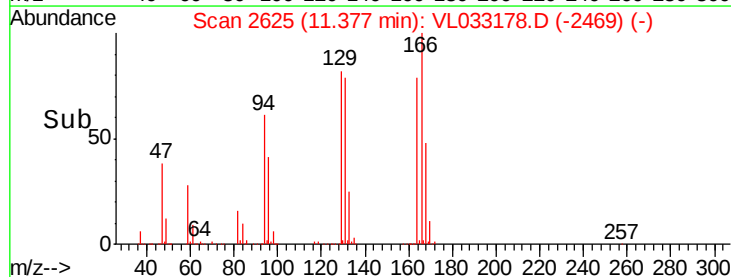
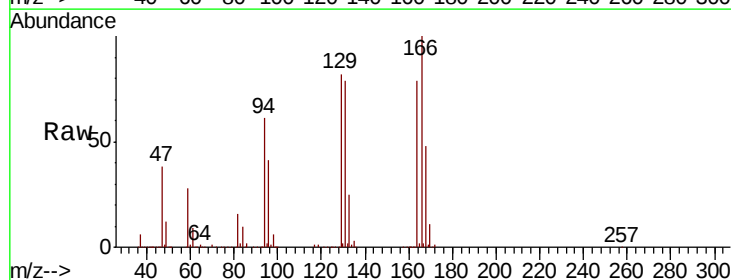
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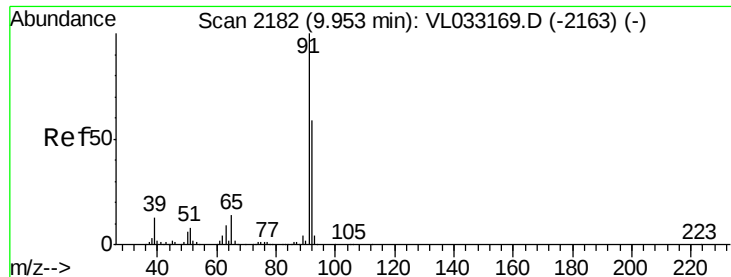
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2/20/2019 12:21:23 PM



#52
Tetrachloroethene
Concen: 8.260 ppbv
RT: 11.38 min Scan# 2625
Delta R.T. 0.00 min
Lab File: VL033178.D
Acq: 6 Feb 2019 9:17

Tgt Ion: 164 Resp: 794906
Ion Ratio Lower Upper
164 100
166 125.9 100.9 151.3
129 103.4 83.9 125.9
131 99.0 76.2 114.2





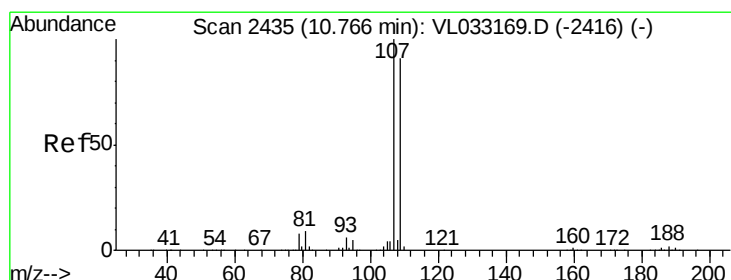
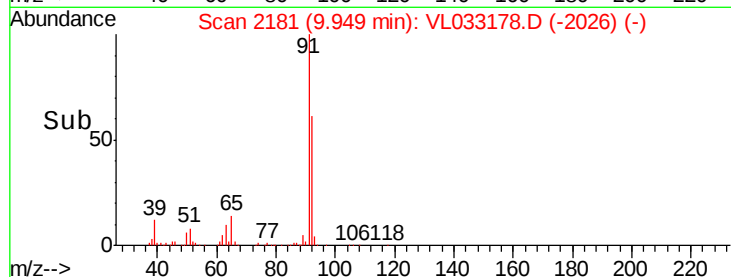
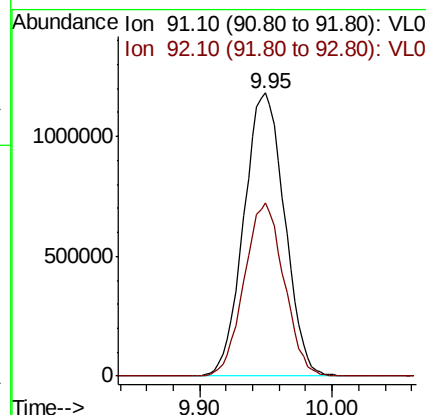
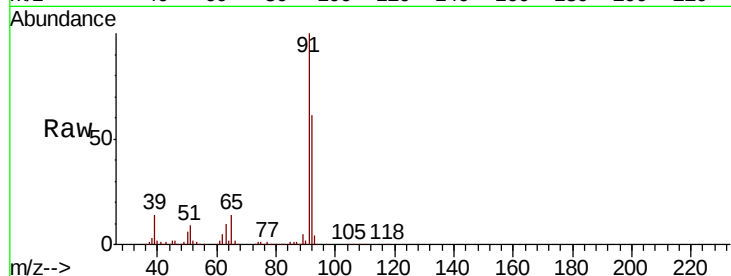
#53
Toluene
Concen: 8.525 ppbv
RT: 9.95 min Scan# 2181
Delta R.T. -0.00 min
Lab File: VL033178.D
Acq: 6 Feb 2019 9:17

Instrument :
MSVOA_L
ClientSampled :
VL0205ABS01

Tgt Ion: 91 Resp: 2528719
Ion Ratio Lower Upper
91 100
92 59.6 48.0 72.0

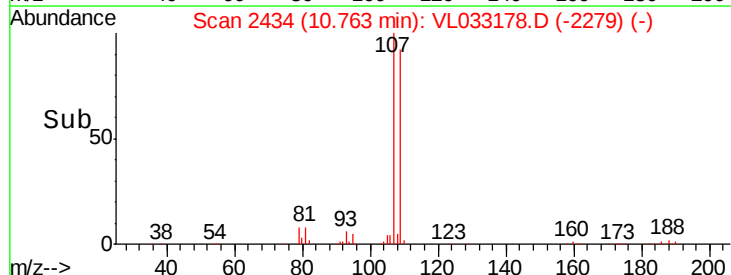
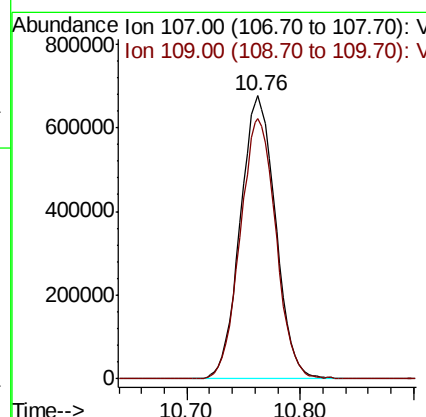
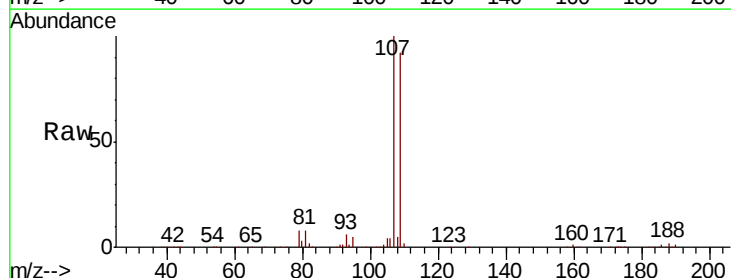
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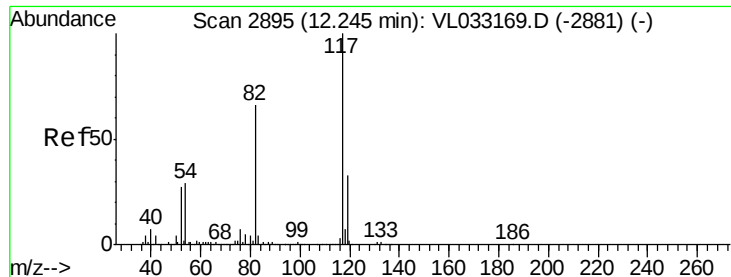
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2/20/2019 12:21:23 PM



#54
1,2-Dibromoethane
Concen: 9.103 ppbv
RT: 10.76 min Scan# 2434
Delta R.T. -0.00 min
Lab File: VL033178.D
Acq: 6 Feb 2019 9:17

Tgt Ion: 107 Resp: 1465548
Ion Ratio Lower Upper
107 100
109 91.8 73.2 109.8





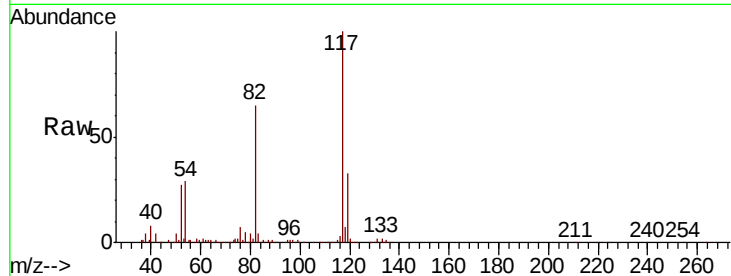
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.25 min Scan# 2895
Delta R.T. 0.00 min
Lab File: VL033178.D
Acq: 6 Feb 2019 9:17

Instrument :
MSVOA_L
ClientSampled :
VL0205ABS01

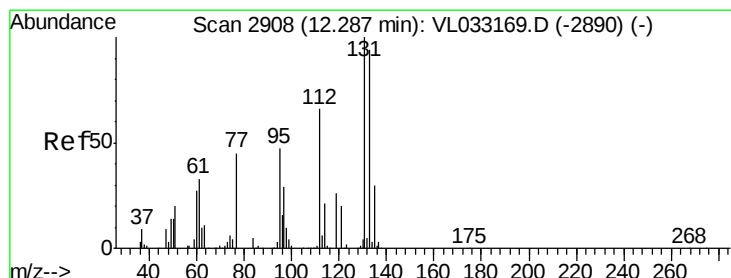
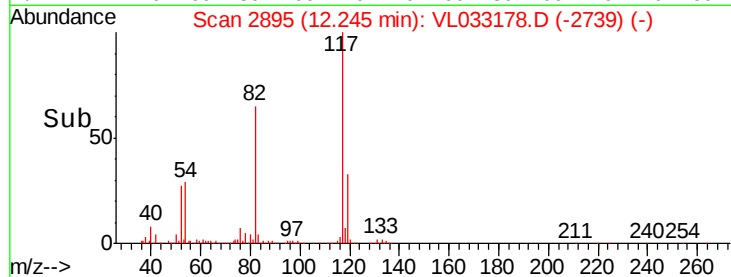
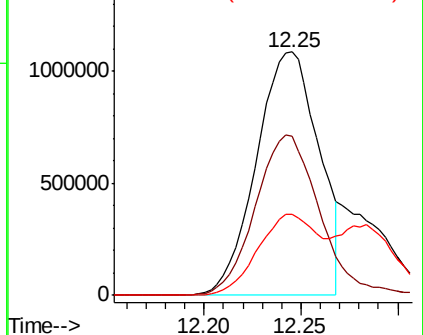
Tgt Ion:117 Resp: 2430370
Ion Ratio Lower Upper
117 100
82 68.1 53.8 80.8
119 33.3 46.9 70.3#

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2/20/2019 12:21:23 PM

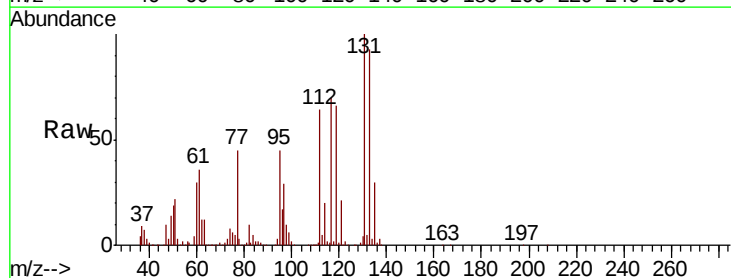


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

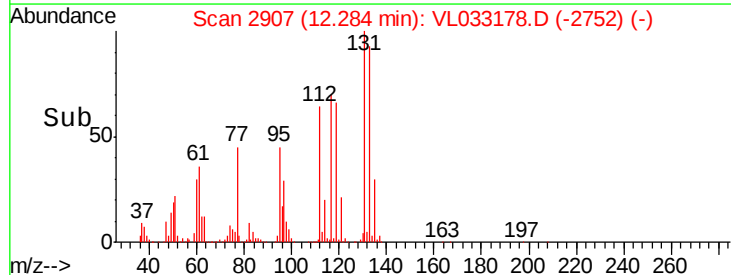
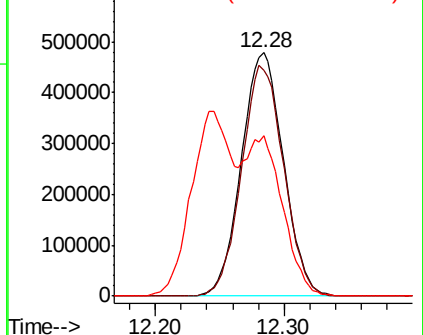


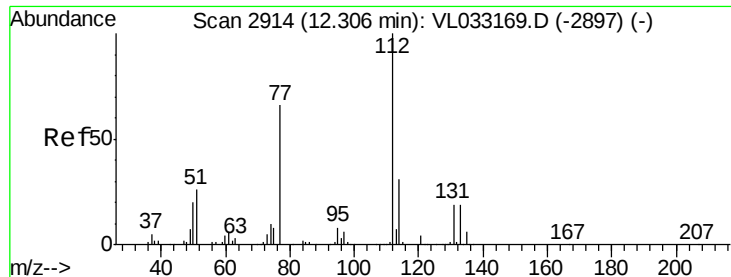
#56
1,1,1,2-Tetrachloroethane
Concen: 9.602 ppbv
RT: 12.28 min Scan# 2907
Delta R.T. -0.00 min
Lab File: VL033178.D
Acq: 6 Feb 2019 9:17

Tgt Ion:131 Resp: 1086835
Ion Ratio Lower Upper
131 100
133 94.9 75.8 113.6
119 54.9 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





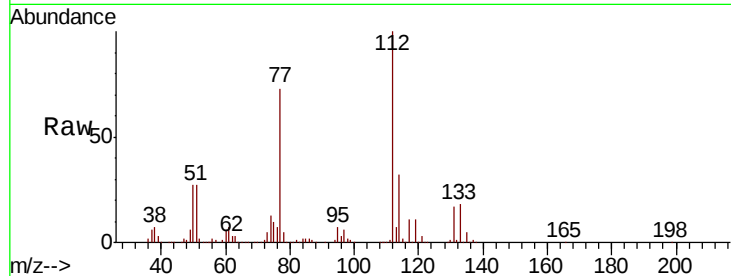
#57
Chlorobenzene
Concen: 8.877 ppbv
RT: 12.31 min Scan# 2914
Delta R.T. 0.00 min
Lab File: VL033178.D
Acq: 6 Feb 2019 9:17

Instrument :
MSVOA_L
ClientSampleId :
VL0205ABS01

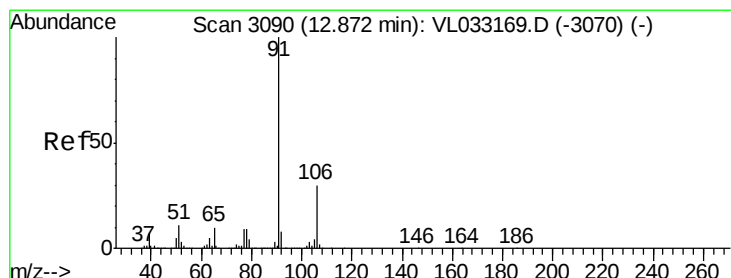
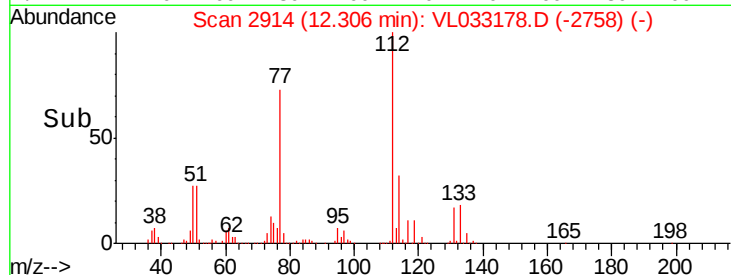
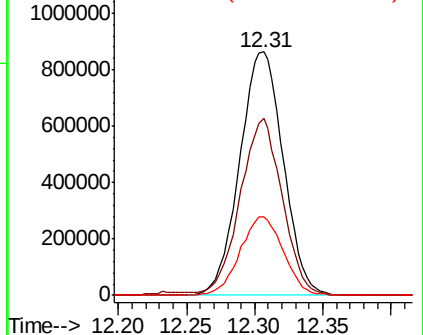
Tgt Ion	Ratio	Lower	Upper
112	100		
77	72.4	54.0	81.0
114	32.3	27.9	34.1

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2/20/2019 12:21:23 PM

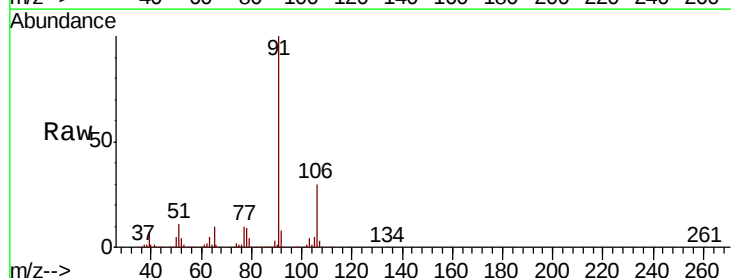


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

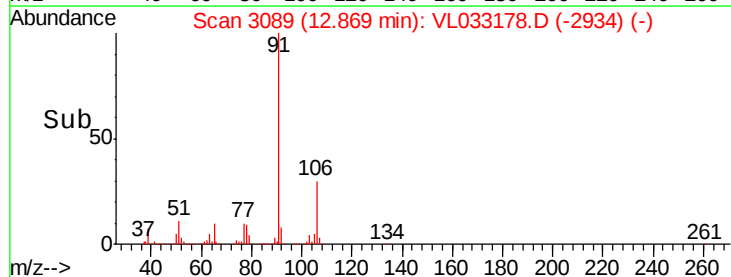
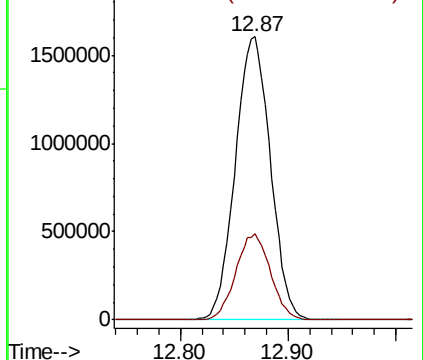


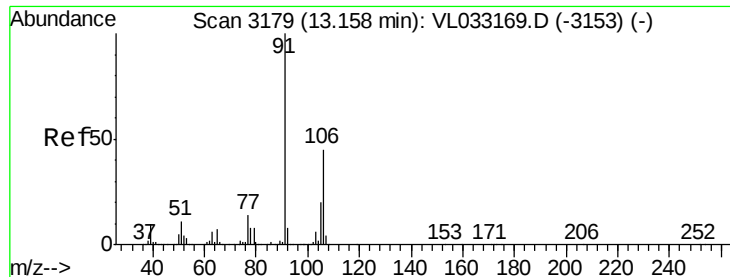
#58
Ethyl Benzene
Concen: 9.117 ppbv
RT: 12.87 min Scan# 3089
Delta R.T. -0.00 min
Lab File: VL033178.D
Acq: 6 Feb 2019 9:17

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.4	23.8	35.8



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





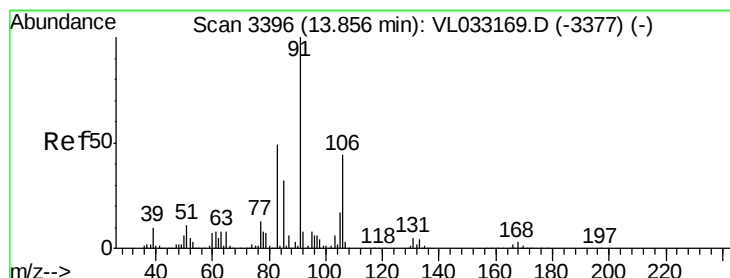
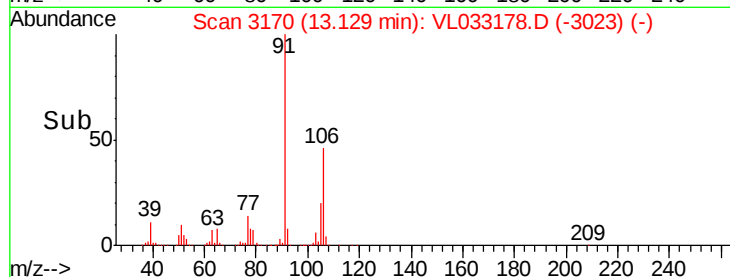
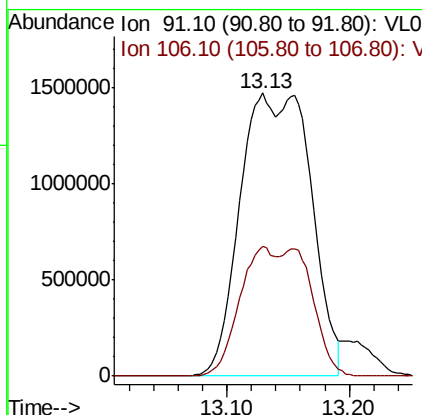
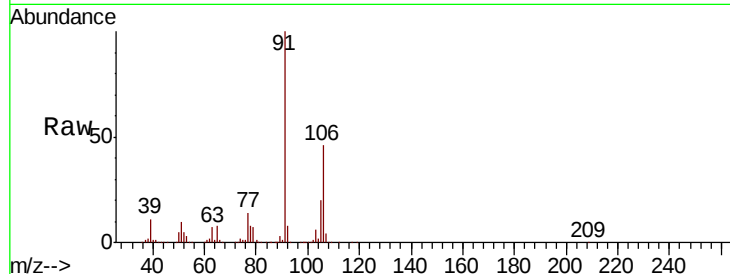
#59
m/p-Xylene
Concen: 17.847 ppbv m
RT: 13.13 min Scan# 3179
Delta R.T. -0.03 min
Lab File: VL033178.D
Acq: 6 Feb 2019 9:17

Instrument :
MSVOA_L
ClientSampleId :
VL0205ABS01

Tgt Ion: 91 Resp: 5922433
Ion Ratio Lower Upper
91 100
106 0.0 36.6 55.0#

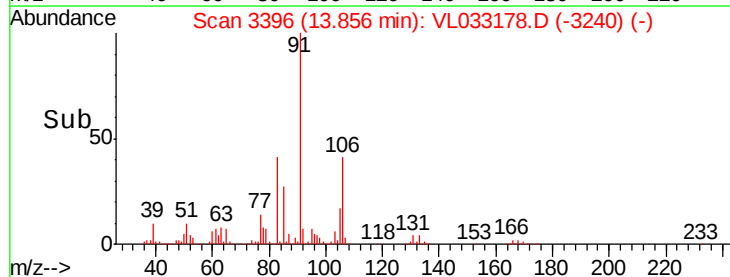
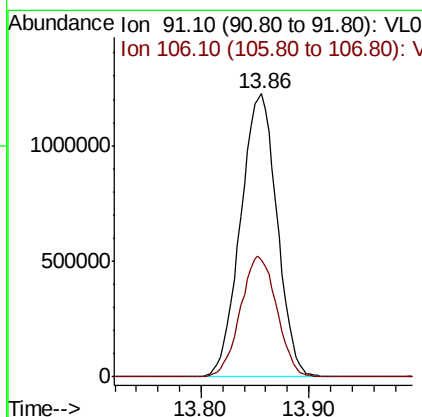
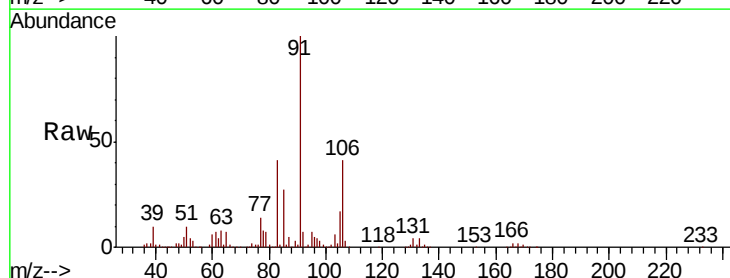
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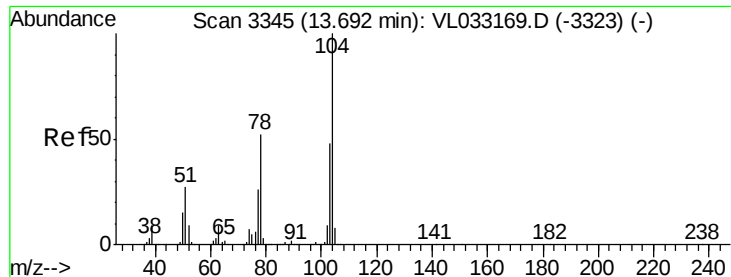
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2/20/2019 12:21:23 PM



#60
o-Xylene
Concen: 8.868 ppbv
RT: 13.86 min Scan# 3396
Delta R.T. 0.00 min
Lab File: VL033178.D
Acq: 6 Feb 2019 9:17

Tgt Ion: 91 Resp: 2869434
Ion Ratio Lower Upper
91 100
106 42.7 21.8 65.3





#61

Styrene

Concen: 9.281 ppbv

RT: 13.69 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VL033178.D

Acq: 6 Feb 2019 9:17

Instrument :

MSVOA_L

ClientSampleId :

VL0205ABS01

Tgt Ion:104 Resp: 2267120

Ion Ratio Lower Upper

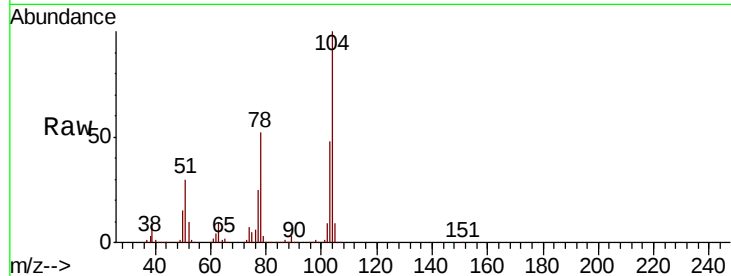
104 100

78 52.7 41.9 62.9

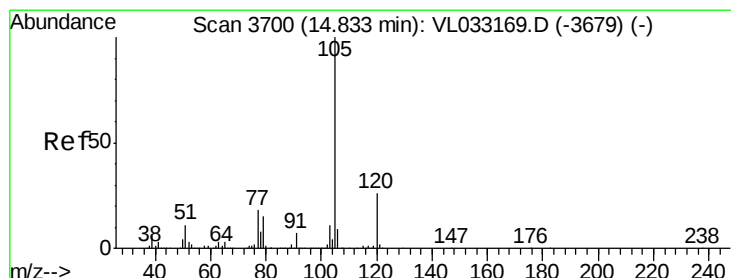
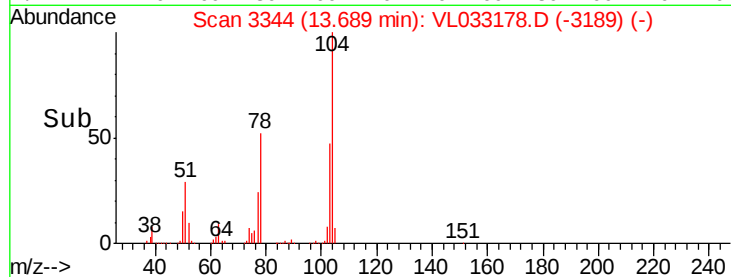
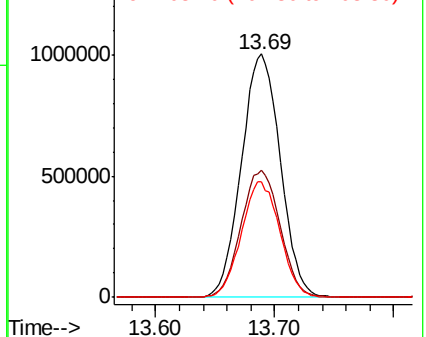
103 47.3 37.9 56.9

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2/20/2019 12:21:23 PM



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VL0
Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 8.883 ppbv

RT: 14.83 min Scan# 3699

Delta R.T. -0.00 min

Lab File: VL033178.D

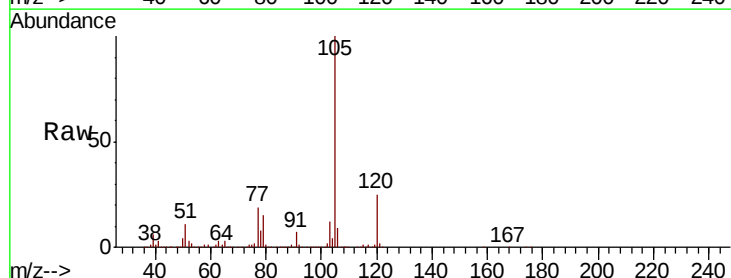
Acq: 6 Feb 2019 9:17

Tgt Ion:105 Resp: 4055449

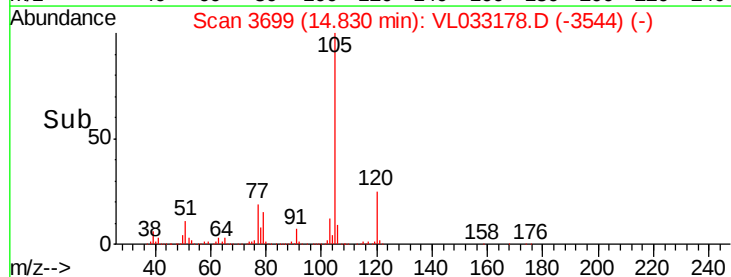
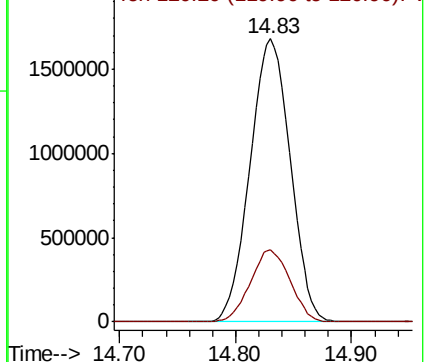
Ion Ratio Lower Upper

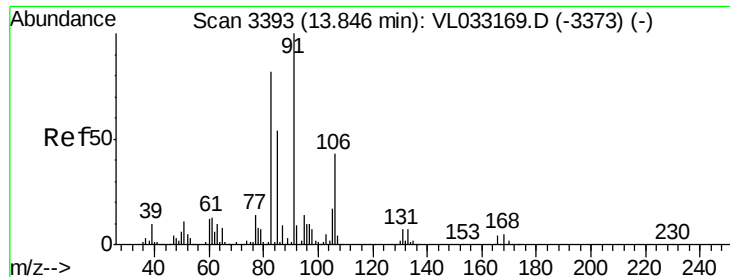
105 100

120 25.2 20.3 30.5



Abundance Ion 105.10 (104.80 to 105.80): V
Ion 120.20 (119.90 to 120.90): V





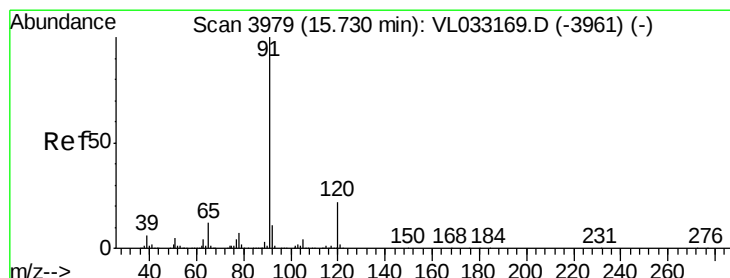
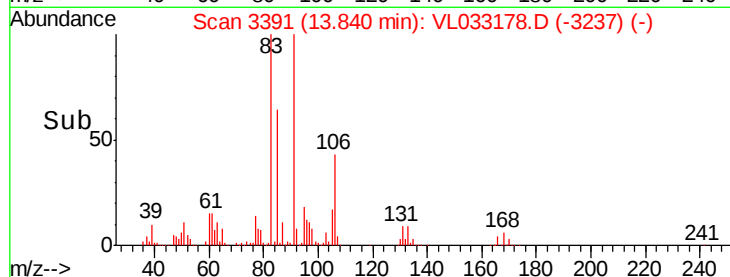
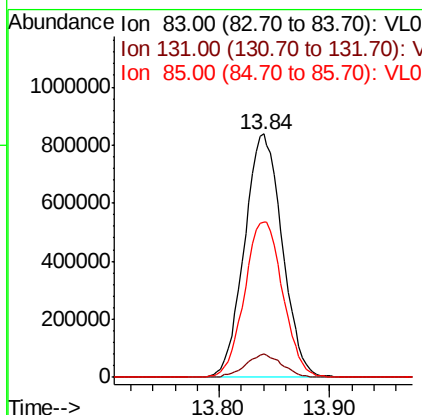
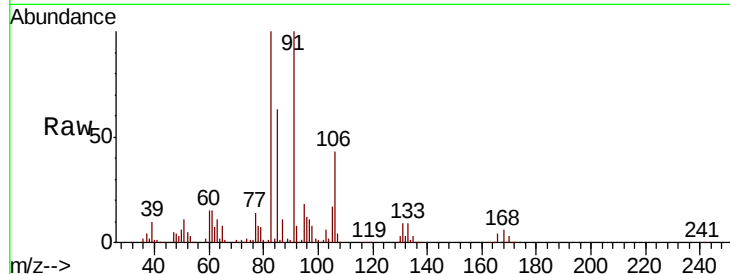
#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.853 ppbv
 RT: 13.84 min Scan# 3391
 Delta R.T. -0.01 min
 Lab File: VL033178.D
 Acq: 6 Feb 2019 9:17

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0205ABS01

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

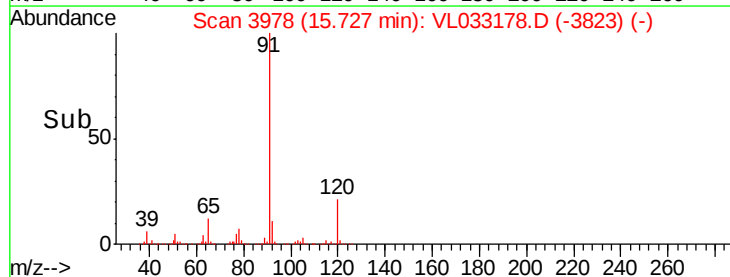
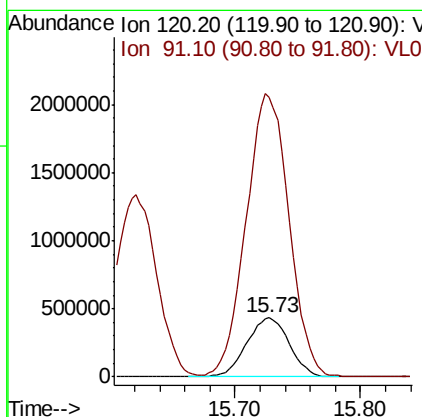
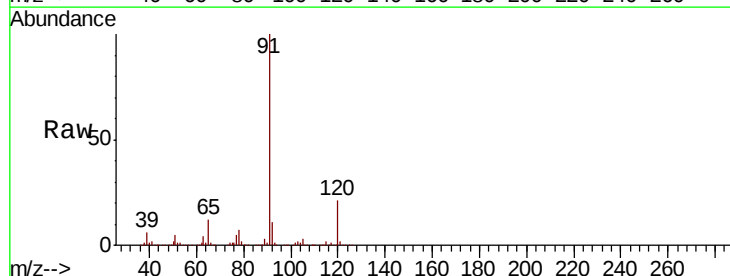
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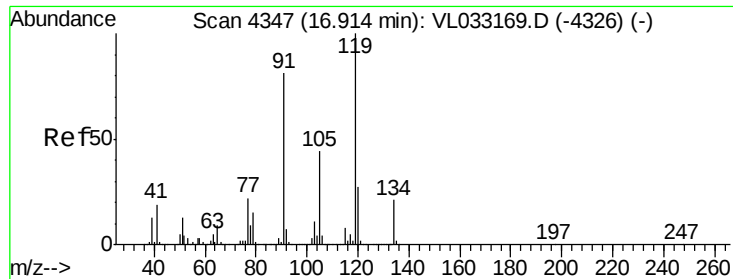
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#64
 n-propylbenzene
 Concen: 8.818 ppbv
 RT: 15.73 min Scan# 3978
 Delta R.T. -0.00 min
 Lab File: VL033178.D
 Acq: 6 Feb 2019 9:17

Tgt Ion	Ratio	Lower	Upper
120	100		
91	484.6	383.9	575.9





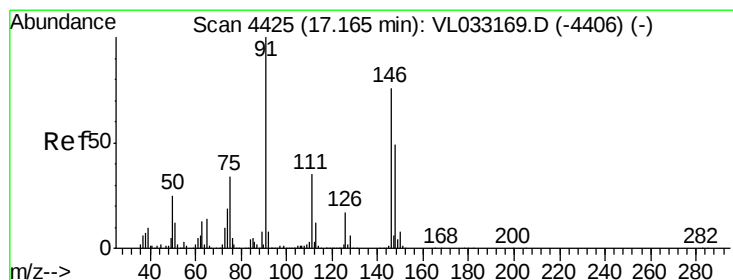
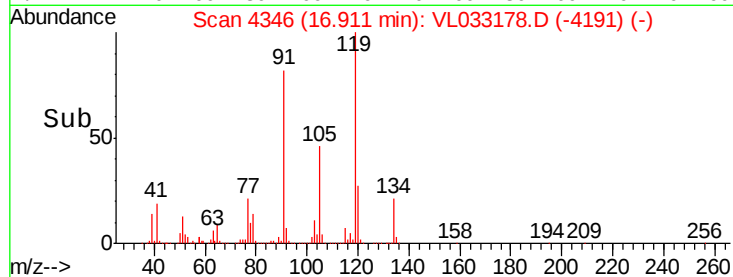
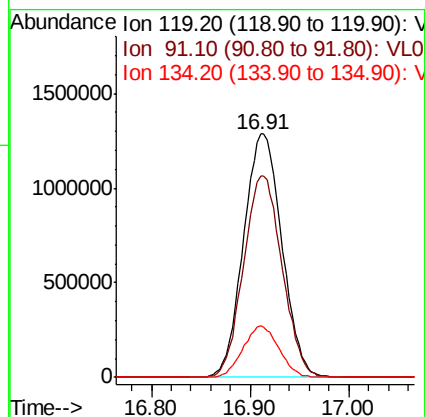
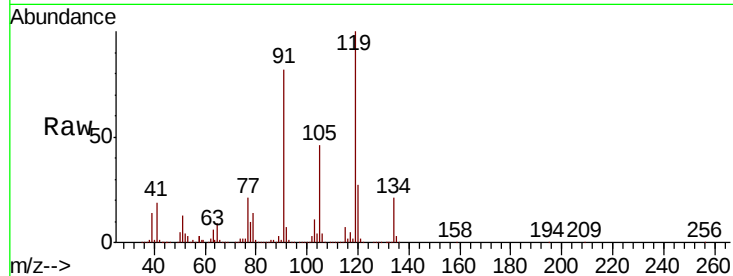
#65
 tert-Butylbenzene
 Concen: 8.683 ppbv
 RT: 16.91 min Scan# 4346
 Delta R.T. -0.00 min
 Lab File: VL033178.D
 Acq: 6 Feb 2019 9:17

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0205ABS01

Tgt Ion: 119 Resp: 3451696
 Ion Ratio Lower Upper
 119 100
 91 83.5 65.6 98.4
 134 19.8 15.8 23.8

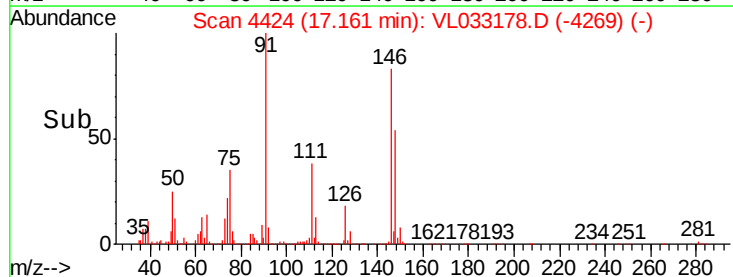
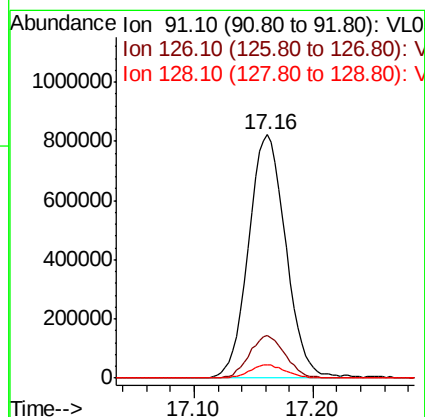
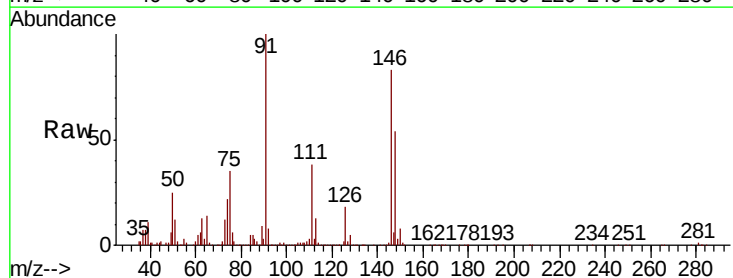
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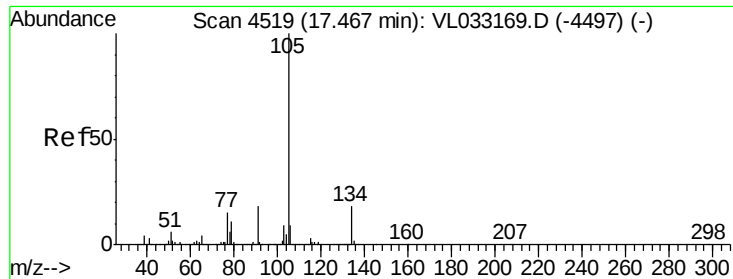
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 2/20/2019 12:21:23 PM



#66
 Benzyl Chloride
 Concen: 12.508 ppbv
 RT: 17.16 min Scan# 4424
 Delta R.T. -0.00 min
 Lab File: VL033178.D
 Acq: 6 Feb 2019 9:17

Tgt Ion: 91 Resp: 1777059
 Ion Ratio Lower Upper
 91 100
 126 17.1 13.8 20.6
 128 5.4 4.5 6.7





#67

sec-Butylbenzene

Concen: 8.825 ppbv

RT: 17.46 min Scan# 4517

Delta R.T. -0.01 min

Lab File: VL033178.D

Acq: 6 Feb 2019 9:17

Instrument :

MSVOA_L

ClientSampleId :

VL0205ABS01

Tgt Ion: 105 Resp: 5093169

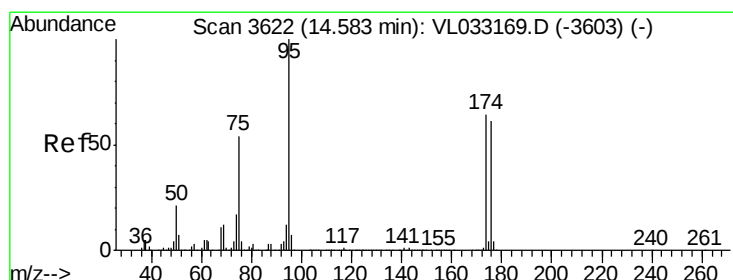
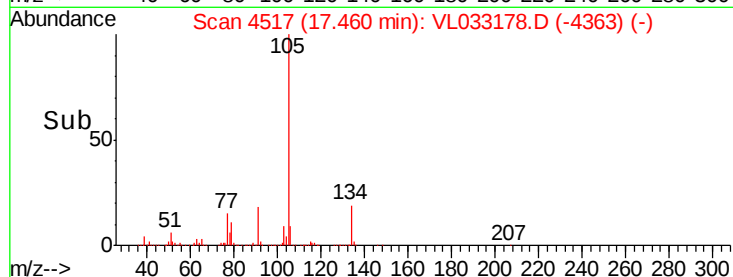
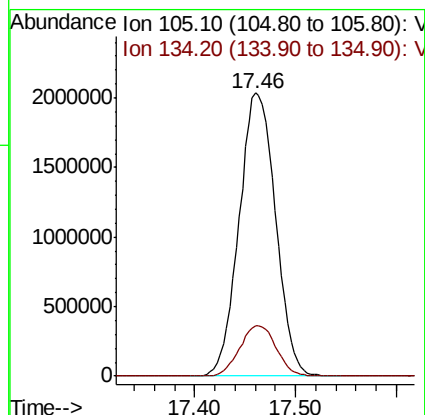
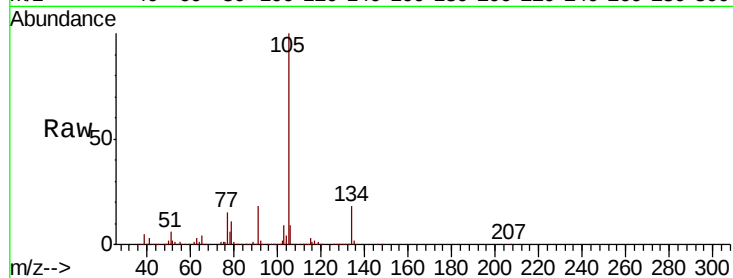
Ion Ratio Lower Upper

105 100

134 17.9 14.6 22.0

Manual Integrations
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2/20/2019 12:21:23 PM



#68

1-Bromo-4-Fluorobenzene

Concen: 10.226 ppbv

RT: 14.58 min Scan# 3621

Delta R.T. -0.00 min

Lab File: VL033178.D

Acq: 6 Feb 2019 9:17

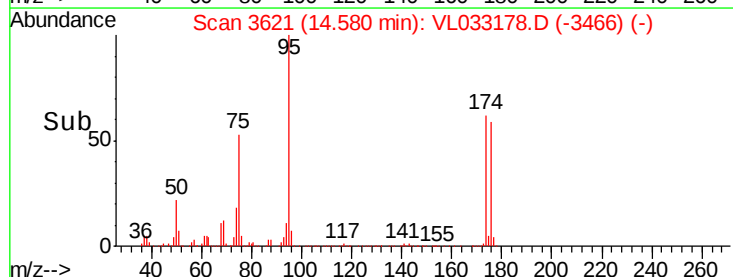
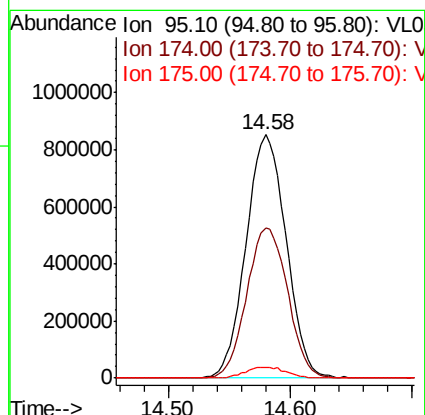
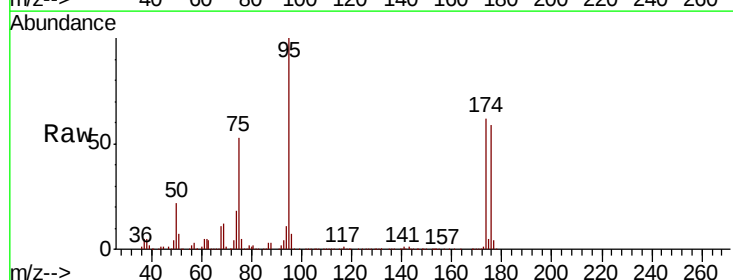
Tgt Ion: 95 Resp: 1936902

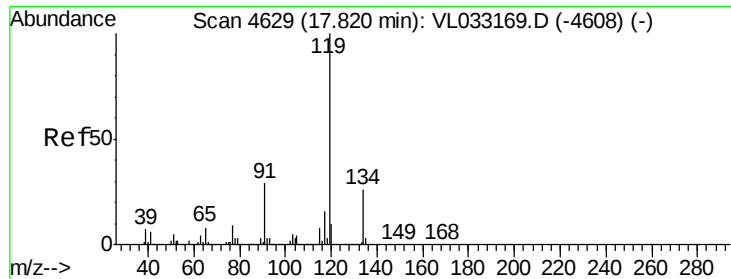
Ion Ratio Lower Upper

95 100

174 63.1 51.1 76.7

175 4.7 3.8 5.6





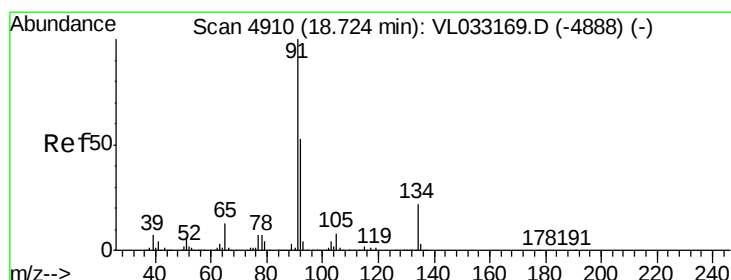
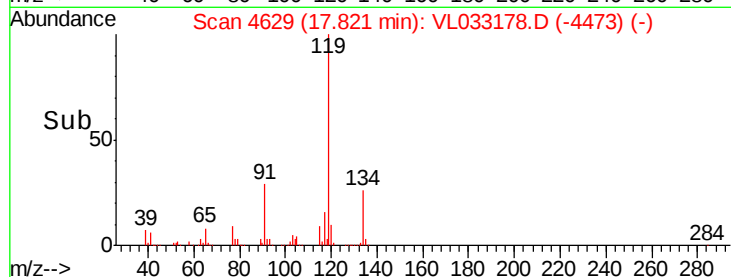
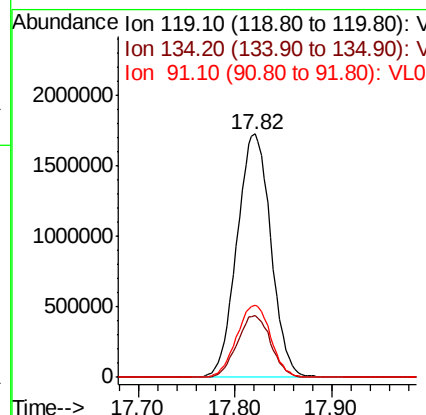
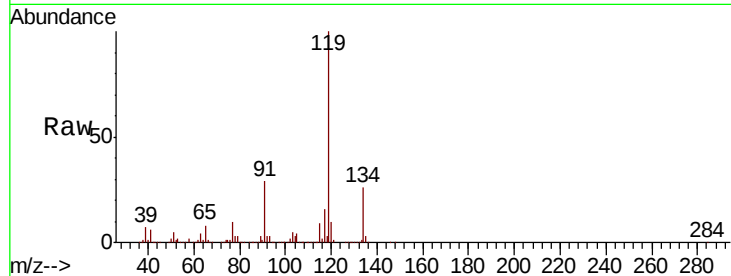
#69
p-Isopropyltoluene
Concen: 8.718 ppbv
RT: 17.82 min Scan# 4629
Delta R.T. 0.00 min
Lab File: VL033178.D
Acq: 6 Feb 2019 9:17

Instrument :
MSVOA_L
ClientSampleId :
VL0205ABS01

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.3	20.4	30.6
91	29.6	23.4	35.0

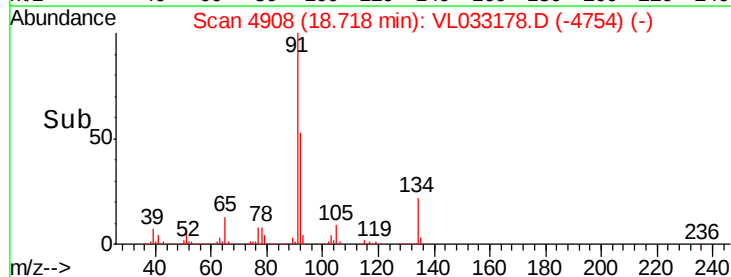
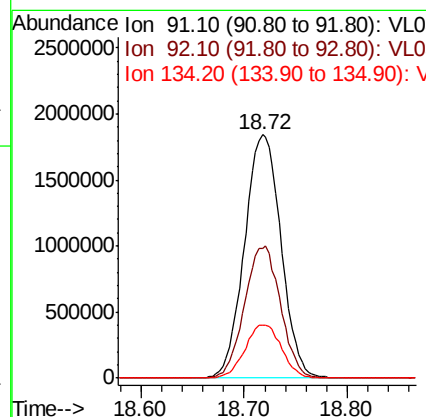
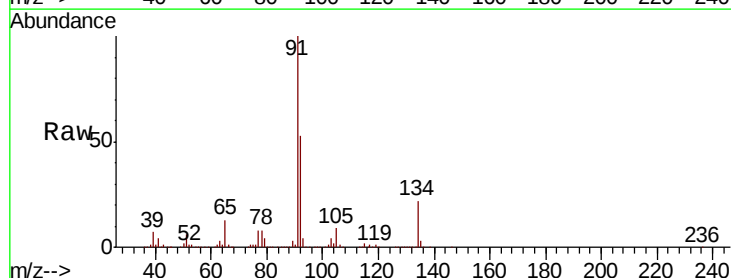
Manual Integrations
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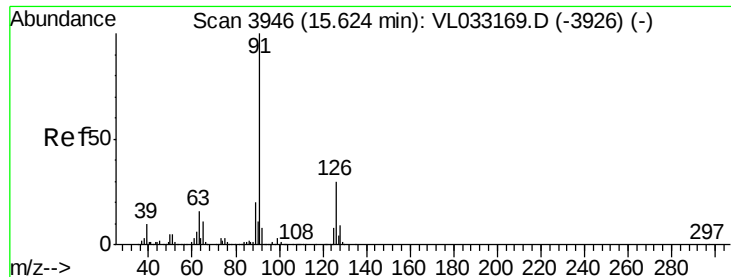
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2/20/2019 12:21:23 PM



#70
n-Butylbenzene
Concen: 8.737 ppbv
RT: 18.72 min Scan# 4908
Delta R.T. -0.01 min
Lab File: VL033178.D
Acq: 6 Feb 2019 9:17

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.5	43.0	64.4
134	22.0	17.5	26.3





#71

2-Chlorotoluene

Concen: 8.760 ppbv

RT: 15.62 min Scan# 3945

Delta R.T. -0.00 min

Lab File: VL033178.D

Acq: 6 Feb 2019 9:17

Instrument :

MSVOA_L

ClientSampleId :

VL0205ABS01

Tgt Ion: 91 Resp: 3142124

Ion Ratio Lower Upper

91 100

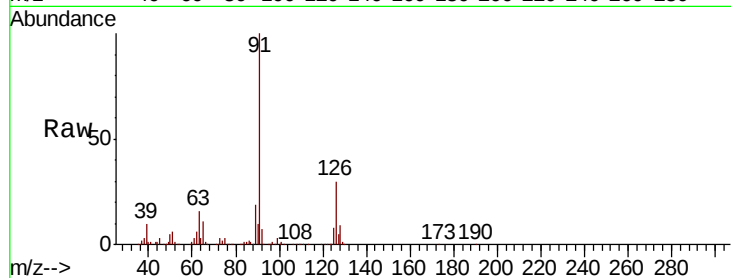
126 29.4 11.8 47.4

Manual Integrations

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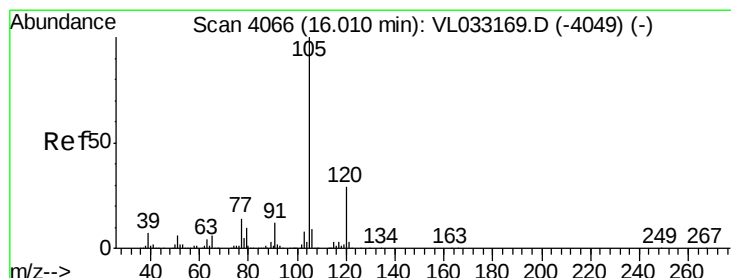
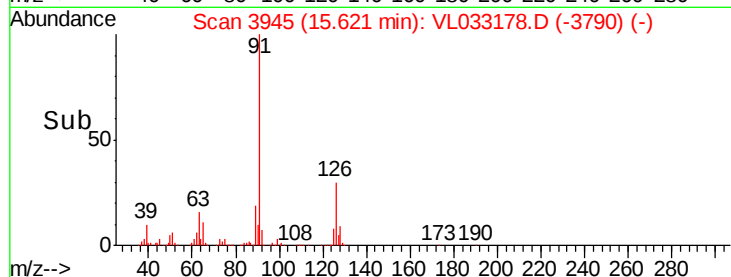
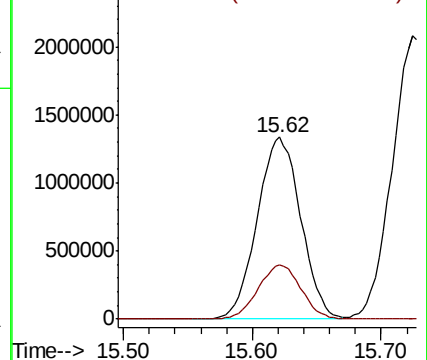
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 9.043 ppbv

RT: 16.01 min Scan# 4065

Delta R.T. -0.00 min

Lab File: VL033178.D

Acq: 6 Feb 2019 9:17

Tgt Ion: 105 Resp: 3375063

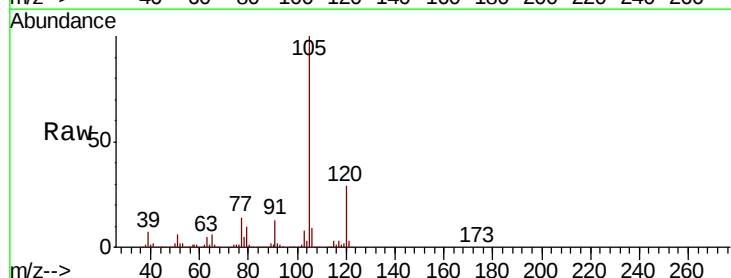
Ion Ratio Lower Upper

105 100

120 28.7 23.1 34.7

91 12.4 9.8 14.6

77 13.8 10.9 16.3

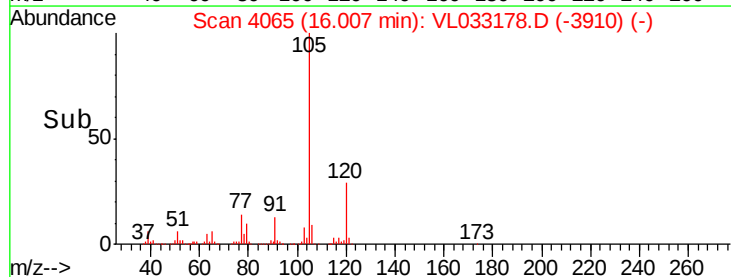
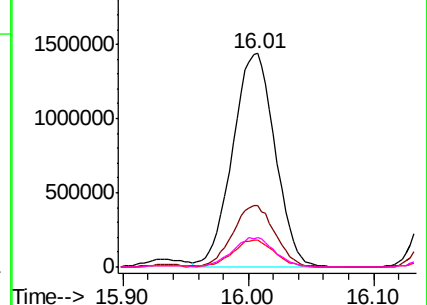


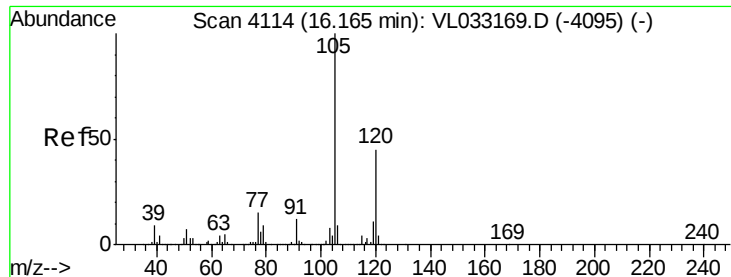
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 8.950 ppbv

RT: 16.16 min Scan# 4113

Delta R.T. -0.00 min

Lab File: VL033178.D

Acq: 6 Feb 2019 9:17

Instrument :

MSVOA_L

ClientSampled :

VL0205ABS01

Tgt Ion:105 Resp: 3194428

Ion Ratio Lower Upper

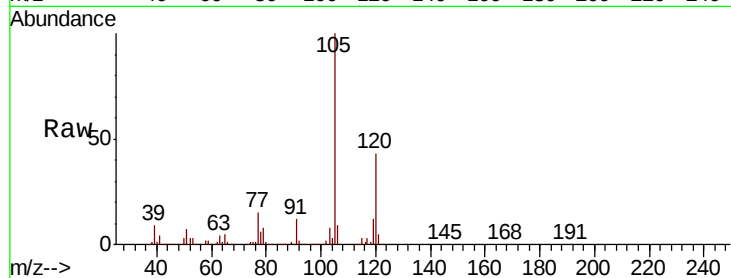
105 100

120 43.2 36.2 54.4

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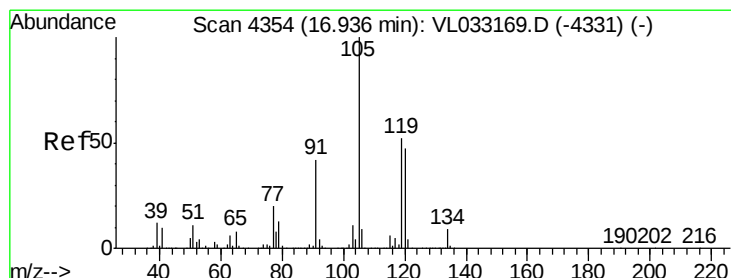
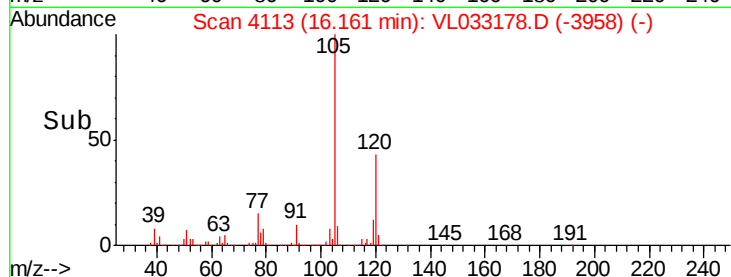
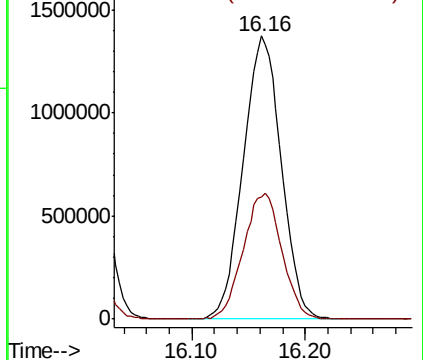
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 8.668 ppbv

RT: 16.93 min Scan# 4353

Delta R.T. -0.00 min

Lab File: VL033178.D

Acq: 6 Feb 2019 9:17

Tgt Ion:105 Resp: 3208851

Ion Ratio Lower Upper

105 100

120 45.6 37.9 56.9

91 41.5 34.0 51.0

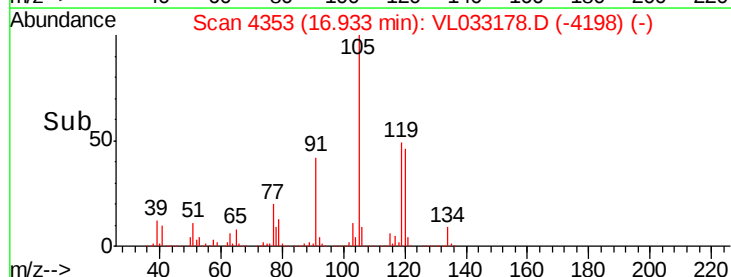
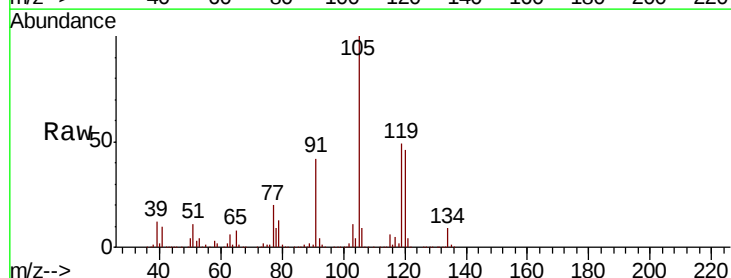
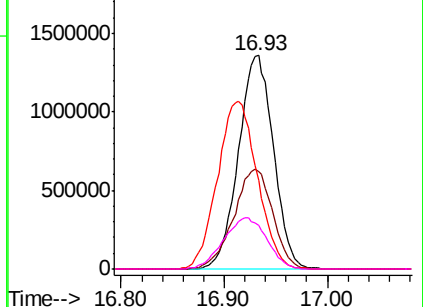
77 20.2 15.7 23.5

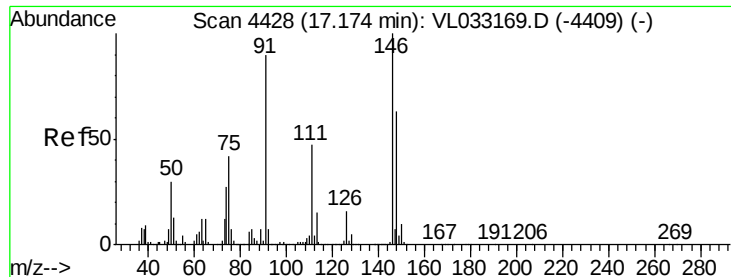
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#75

1,3-Dichlorobenzene

Concen: 8.745 ppbv

RT: 17.17 min Scan# 4426

Delta R.T. -0.01 min

Lab File: VL033178.D

Acq: 6 Feb 2019 9:17

Instrument :

MSVOA_L

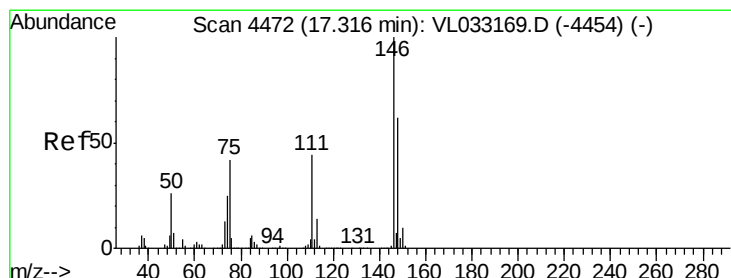
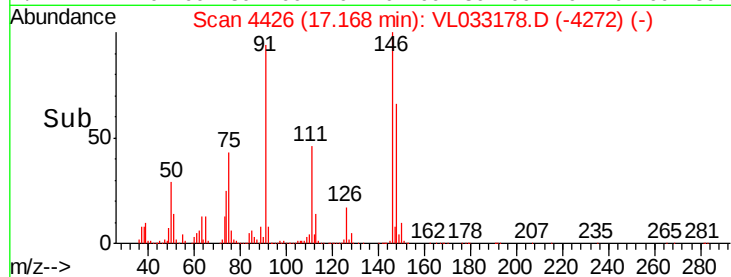
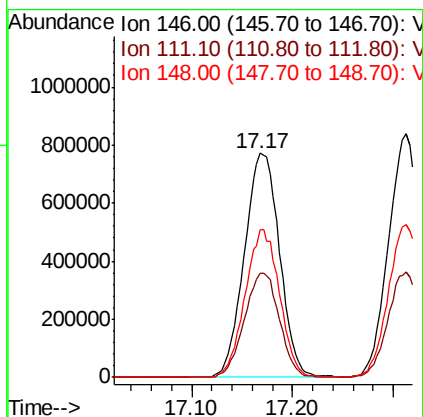
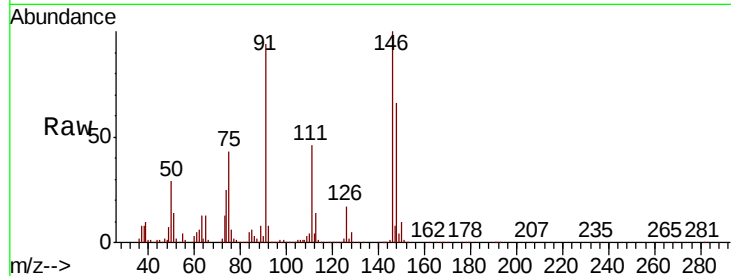
ClientSampleId :

VL0205ABS01

Tgt Ion:	146	Resp:	1867101
Ion	Ratio	Lower	Upper
146	100		
111	46.1	23.2	69.6
148	64.3	31.8	95.4

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#76

1,4-Dichlorobenzene

Concen: 9.067 ppbv

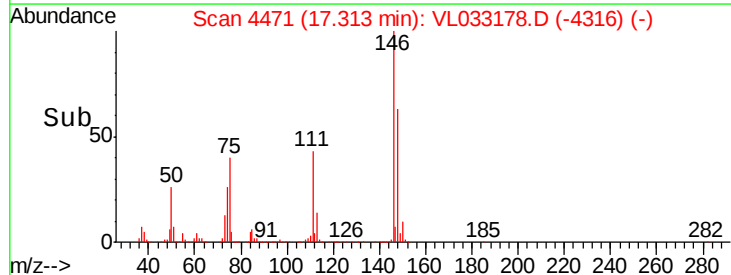
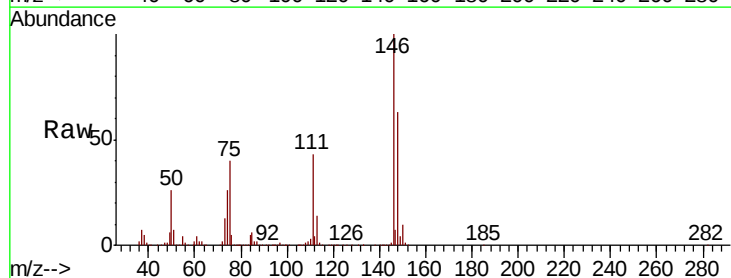
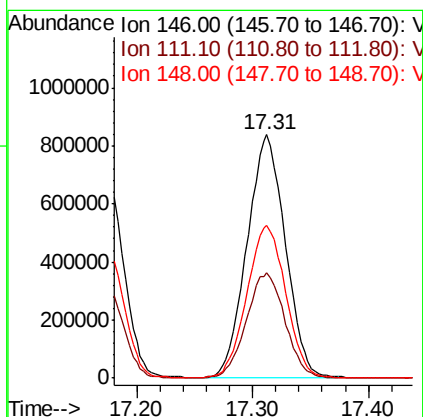
RT: 17.31 min Scan# 4471

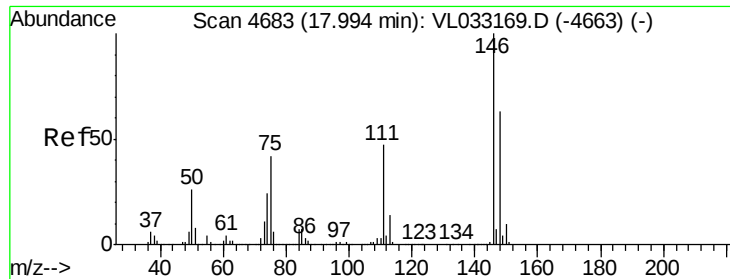
Delta R.T. -0.00 min

Lab File: VL033178.D

Acq: 6 Feb 2019 9:17

Tgt Ion:	146	Resp:	1918122
Ion	Ratio	Lower	Upper
146	100		
111	44.0	22.3	66.9
148	64.1	32.0	96.0





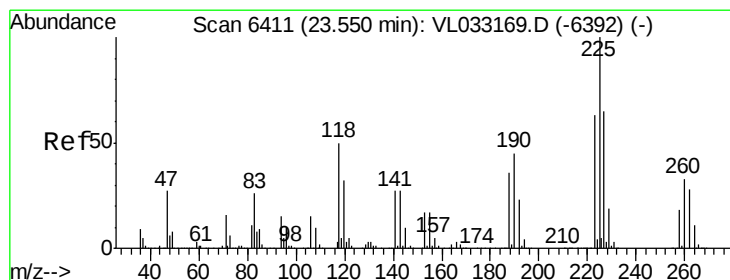
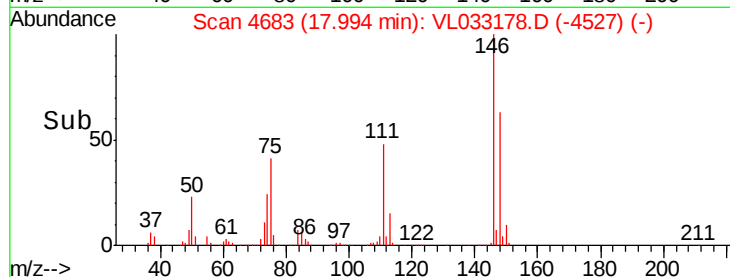
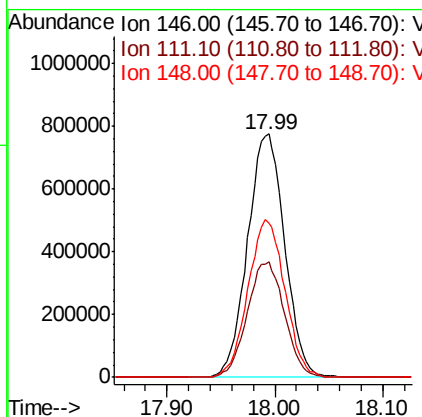
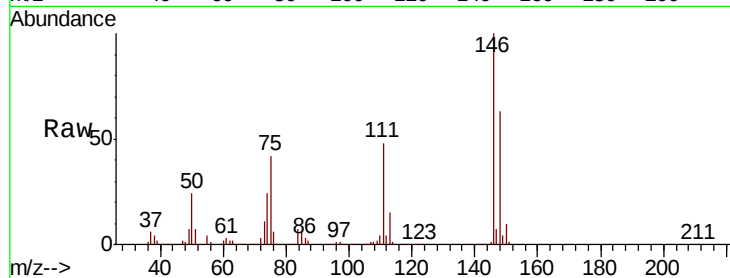
#77
 1,2-Dichlorobenzene
 Concen: 8.781 ppbv
 RT: 17.99 min Scan# 4683
 Delta R.T. 0.00 min
 Lab File: VL033178.D
 Acq: 6 Feb 2019 9:17

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0205ABS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.6	23.5	70.6
148	64.5	31.9	95.7

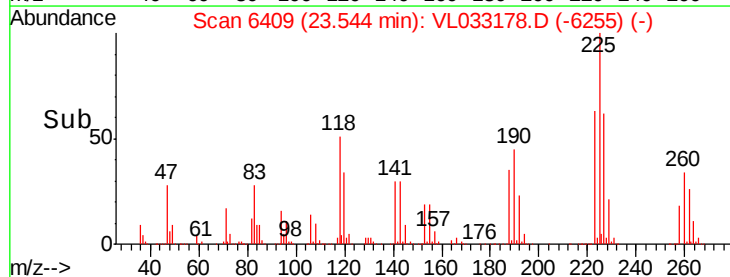
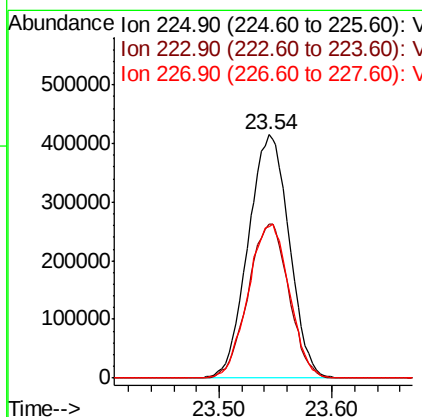
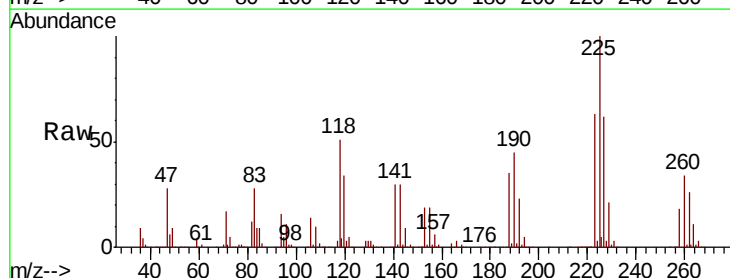
Manual Integrations
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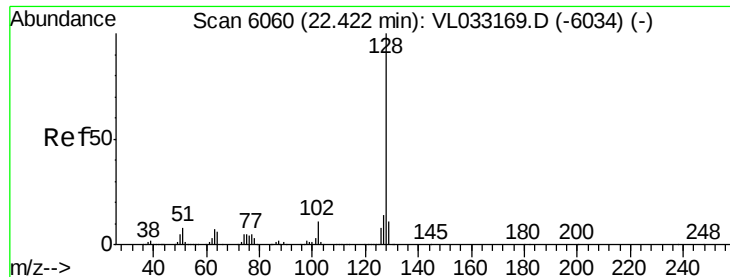
MMDadoda
 2/20/2019 12:21:23 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 9.963 ppbv
 RT: 23.54 min Scan# 6409
 Delta R.T. -0.01 min
 Lab File: VL033178.D
 Acq: 6 Feb 2019 9:17

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.6	75.8
227	63.6	51.4	77.2





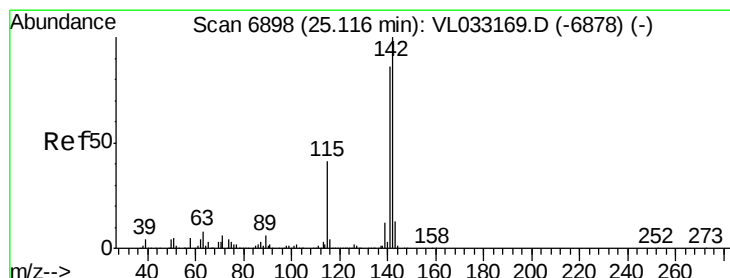
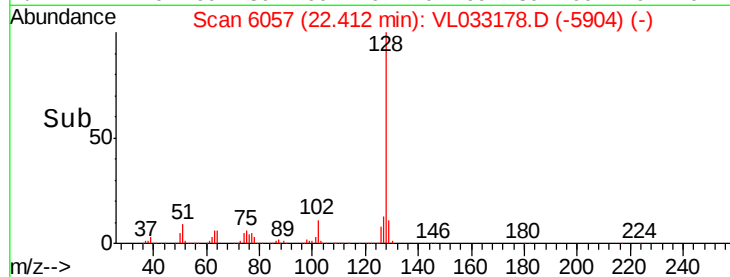
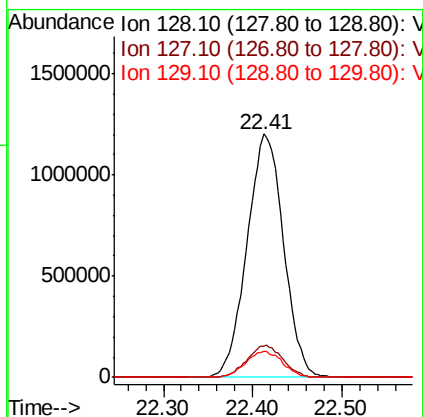
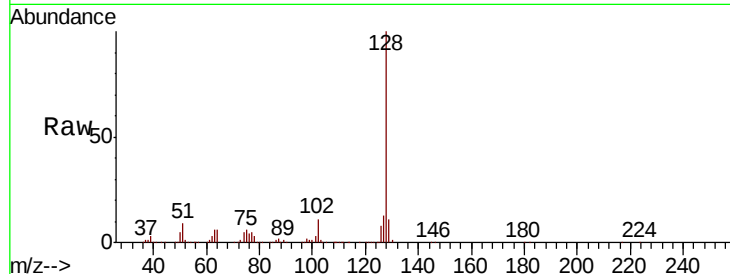
#79
Naphthalene
Concen: 8.597 ppbv
RT: 22.41 min Scan# 6057
Delta R.T. -0.01 min
Lab File: VL033178.D
Acq: 6 Feb 2019 9:17

Instrument :
MSVOA_L
ClientSampleId :
VL0205ABS01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.6	11.0	16.4
129	10.9	8.6	12.8

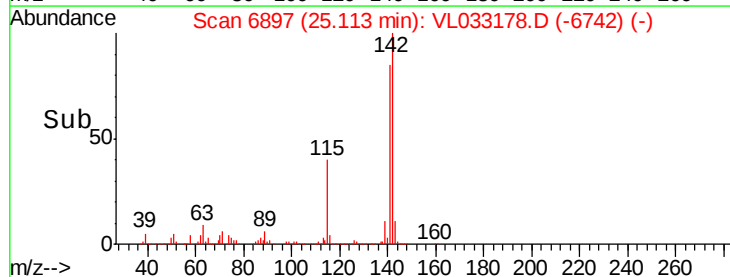
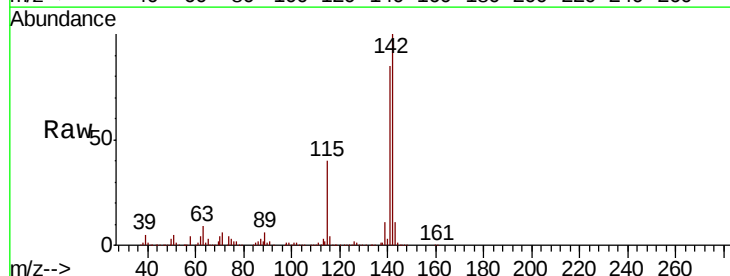
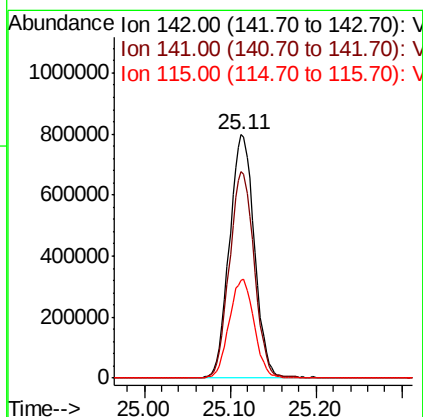
Manual Integrations
APPROVED

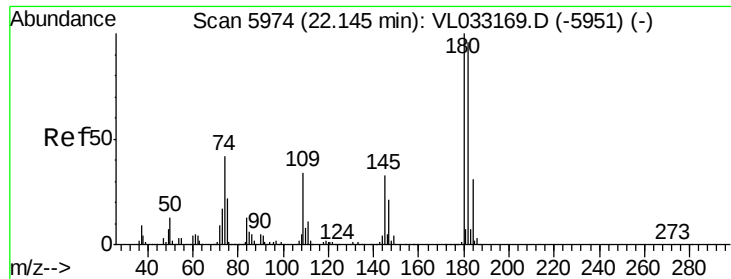
MMDadoda
2/20/2019 12:21:23 PM



#80
Naphthalene, 2-methyl-
Concen: 7.996 ppbv
RT: 25.11 min Scan# 6897
Delta R.T. -0.00 min
Lab File: VL033178.D
Acq: 6 Feb 2019 9:17

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.7	67.7	101.5
115	40.6	32.7	49.1





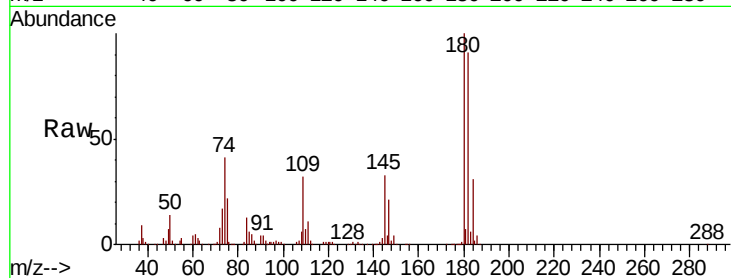
#81
 1,2,4-Trichlorobenzene
 Concen: 8.274 ppbv
 RT: 22.14 min Scan# 5973
 Delta R.T. -0.00 min
 Lab File: VL033178.D
 Acq: 6 Feb 2019 9:17

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0205ABS01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	75.8	113.8
184	30.6	24.3	36.5

Manual Integrations
 APPROVED

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Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

