

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL020519\
 Data File : VL033169.D
 Acq On : 6 Feb 2019 1:51
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

MMDadoda
 2/20/2019 12:20:45 PM

Quant Time: Feb 20 05:44:42 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 05:44:42 2019
 QLast Update : Wed Feb 20 05:04:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	991405	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	2828061	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	2764121m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	2212651	10.27	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.08	85	1782009	9.402	ppbv	100
3) Chlorodifluoromethane	3.01	51	1108495	9.286	ppbv	100
4) Chloromethane	3.17	50	598012	9.487	ppbv	100
5) Vinyl Chloride	3.29	62	568842	8.636	ppbv	100
6) Bromomethane	3.52	94	343222	9.488	ppbv	100
7) Chloroethane	3.60	64	202611	9.416	ppbv	100
8) Dichlorotetrafluoroethane	3.22	85	1327369	8.954	ppbv	100
9) Propene	3.04	41	520522	9.027	ppbv	100
10) Heptane	8.25	43	1571371	9.007	ppbv	100
11) Trichlorofluoromethane	4.00	101	1414811	9.220	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.55	101	983456	9.247	ppbv	100
13) Ethanol	3.65	45	128383	6.676	ppbv	100
14) Bromoethene	3.79	108	433348	9.450	ppbv	100
15) Acetone	3.90	43	953043	8.533	ppbv	100
16) 1,3-Butadiene	3.36	39	492372	9.287	ppbv	100
17) tert-Butyl alcohol	4.36	59	207225	9.731	ppbv	100
18) 1,1-Dichloroethene	4.35	96	456501	9.589	ppbv	100
19) Isopropyl Alcohol	4.02	45	649520	8.574	ppbv	100
20) Methylene Chloride	4.41	84	384911	8.663	ppbv	100
21) Allyl Chloride	4.48	41	725634	9.839	ppbv	100
22) trans-1,2-Dichloroethene	4.97	96	442191	9.565	ppbv	100
23) Vinyl Acetate	5.16	43	1830215	9.454	ppbv	100
24) 1,1-Dichloroethane	5.09	63	1230489	8.987	ppbv	100
25) Ethyl Acetate	5.77	43	2130812	8.485	ppbv	100
26) Hexane	5.78	57	969994	8.228	ppbv	100
27) Carbon Disulfide	4.62	76	1114845	10.322	ppbv	100
28) Methyl tert-Butyl Ether	5.11	73	1477905	9.174	ppbv	100
29) Chloroform	5.85	83	1578787	8.738	ppbv	100
30) Cyclohexane	7.25	84	1000580	9.147	ppbv	100
31) cis-1,2-Dichloroethene	5.64	61	1041621	8.827	ppbv	100
32) 1,1,1-Trichloroethane	6.62	97	1530386	7.693	ppbv	100
34) 2-Butanone	5.33	43	1487573	8.293	ppbv	100
35) Carbon Tetrachloride	7.14	117	1842830	8.532	ppbv	100
36) Benzene	7.01	78	2218960	7.742	ppbv	100
37) 1,2-Dichloroethane	6.42	62	1198924	7.548	ppbv	100
38) Trichloroethene	7.97	130	887756	7.233	ppbv	100
39) 1,2-Dichloropropane	7.74	63	956695	8.452	ppbv	100
40) 1,4-Dioxane	7.96	88	320935	7.801	ppbv	100
41) Tetrahydrofuran	6.15	42	882307	7.946	ppbv	100
42) Bromodichloromethane	7.92	83	2000389	8.690	ppbv	100
43) Methyl Methacrylate	8.14	69	1010427	8.781	ppbv	100

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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.00	57	3979303	8.193	ppbv	100
45) t-1,3-Dichloropropene	9.42	75	1330266	10.406	ppbv	100
46) cis-1,3-Dichloropropene	8.84	75	1525912	9.371	ppbv	100
47) 1,1,2-Trichloroethane	9.62	97	999621	8.509	ppbv	100
48) Dibromochloromethane	10.46	129	1695357	9.167	ppbv	100
49) Bromoform	13.21	173	1488946	9.358	ppbv	100
50) 4-Methyl-2-Pentanone	8.87	43	2475095	8.604	ppbv	100
51) 2-Hexanone	10.28	43	2014253	8.881	ppbv #	100
52) Tetrachloroethene	11.38	164	868988	7.892	ppbv	100
53) Toluene	9.95	91	2908084	8.568	ppbv	100
54) 1,2-Dibromoethane	10.77	107	1584867	8.604	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.29	131	1167690	9.069	ppbv	100
57) Chlorobenzene	12.31	112	2086031	8.525	ppbv	100
58) Ethyl Benzene	12.87	91	3973995	8.757	ppbv	100
59) m/p-Xylene	13.16	91	6389463m	16.927	ppbv	
60) o-Xylene	13.86	91	3101743	8.427	ppbv	100
61) Styrene	13.69	104	2482060	8.933	ppbv	100
62) Isopropylbenzene	14.83	105	4471171	8.609	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.85	83	2140049	7.439	ppbv	100
64) n-propylbenzene	15.73	120	1155655	8.753	ppbv	100
65) tert-Butylbenzene	16.91	119	3862515	8.541	ppbv	100
66) Benzyl Chloride	17.16	91	2030207	12.562	ppbv	100
67) sec-Butylbenzene	17.47	105	5590525	8.516	ppbv	100
69) p-Isopropyltoluene	17.82	119	4618017	8.447	ppbv	100
70) n-Butylbenzene	18.72	91	4953683	8.398	ppbv	100
71) 2-Chlorotoluene	15.62	91	3516660	8.618	ppbv	100
72) 4-Ethyltoluene	16.01	105	3739951	8.810	ppbv	100
73) 1,3,5-Trimethylbenzene	16.16	105	3566152	8.784	ppbv	100
74) 1,2,4-Trimethylbenzene	16.94	105	3554538	8.441	ppbv	100
75) 1,3-Dichlorobenzene	17.17	146	2070029	8.523	ppbv	100
76) 1,4-Dichlorobenzene	17.32	146	2106331	8.753	ppbv	100
77) 1,2-Dichlorobenzene	17.99	146	2060231	8.584	ppbv	100
78) Hexachloro-1,3-Butadiene	23.55	225	943275	7.904	ppbv	100
79) Naphthalene	22.42	128	3890858	8.598	ppbv	100
80) Naphthalene, 2-methyl-	25.12	142	1807999	7.899	ppbv	100
81) 1,2,4-Trichlorobenzene	22.15	180	1932641	8.407	ppbv	100

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

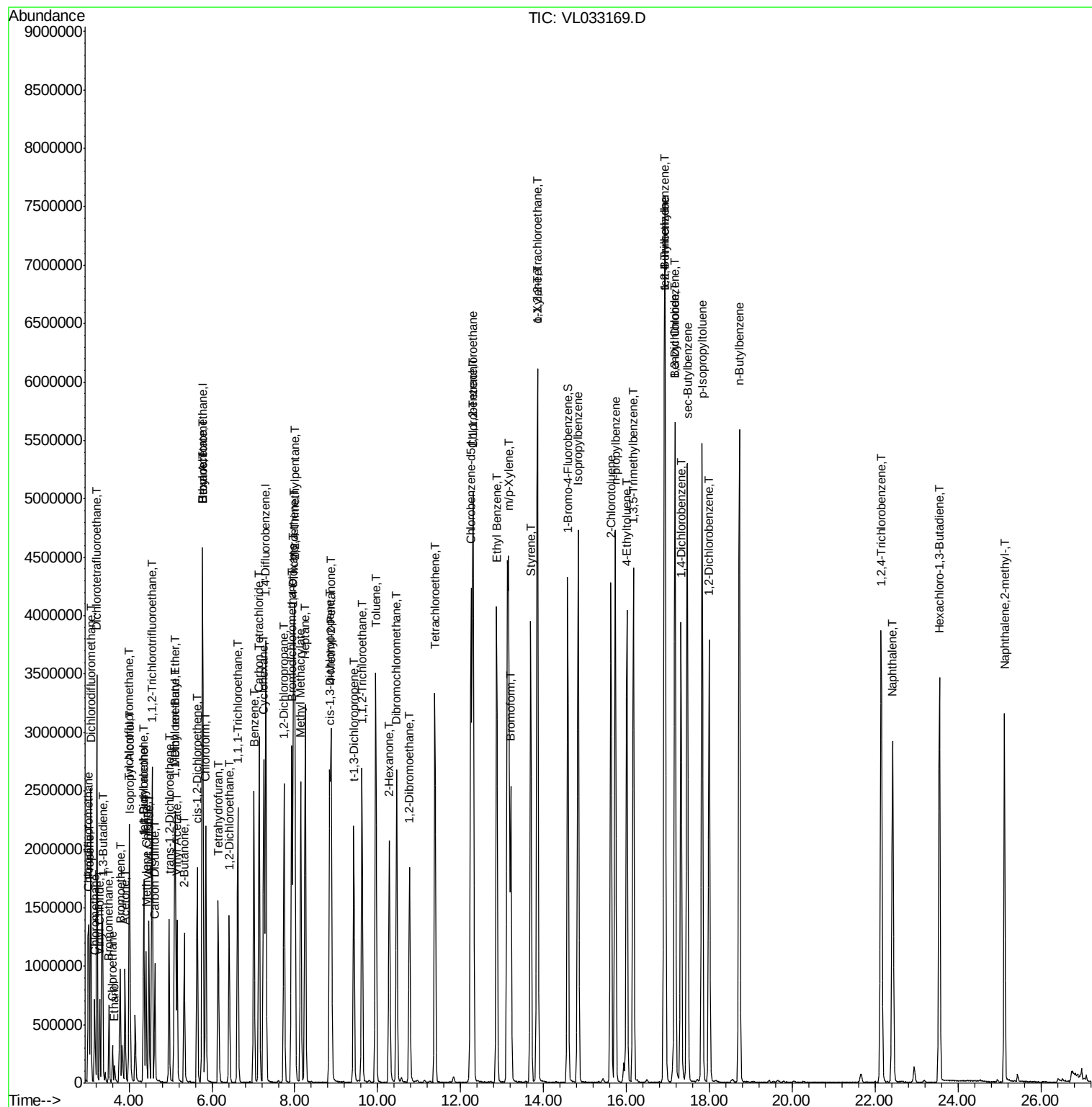
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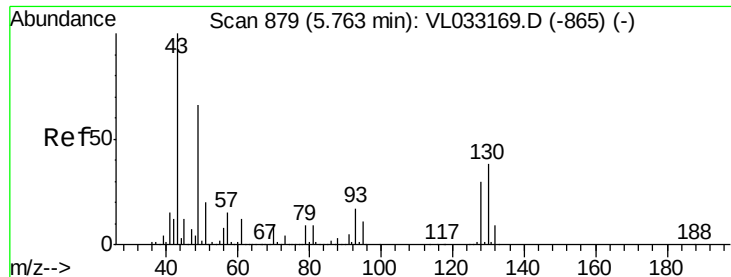
Instrument :
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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 879

Delta R.T. 0.00 min

Lab File: VL033169.D

Acq: 6 Feb 2019 1:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 49 Resp: 991405
Ion Ratio Lower Upper

49 100

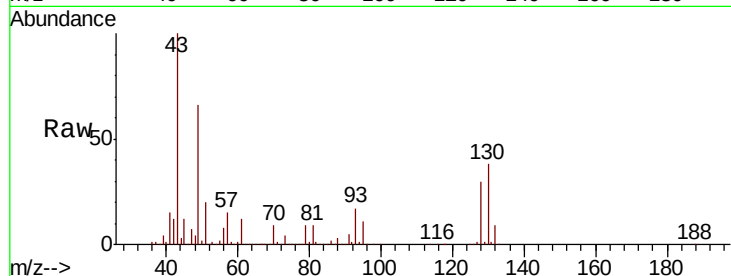
128 47.3 23.6 71.0

130 60.7 30.3 91.0

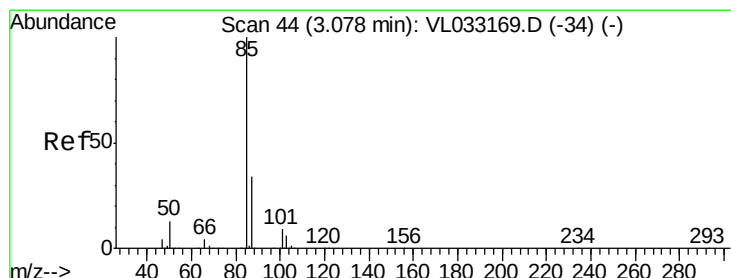
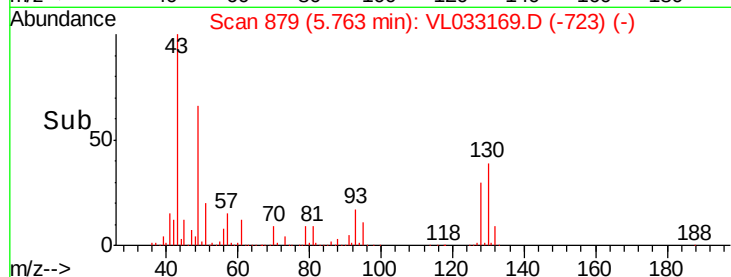
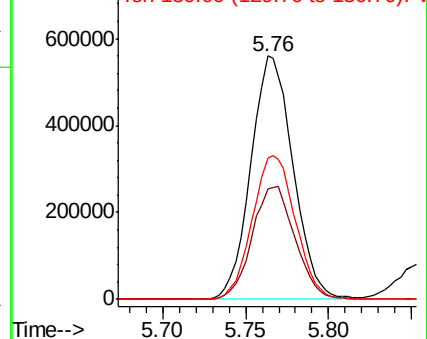
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Abundance Ion 49.10 (48.80 to 49.80): VL0
Ion 128.00 (127.70 to 128.70): V
Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 9.402 ppbv

RT: 3.08 min Scan# 44

Delta R.T. 0.00 min

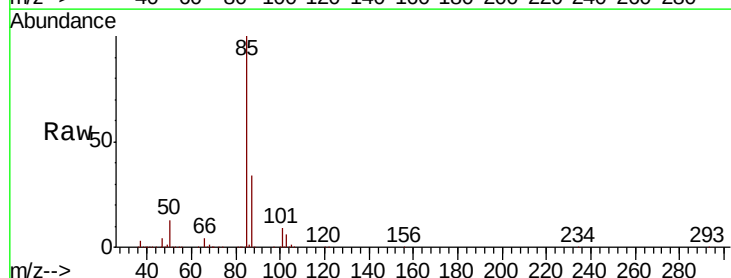
Lab File: VL033169.D

Acq: 6 Feb 2019 1:51

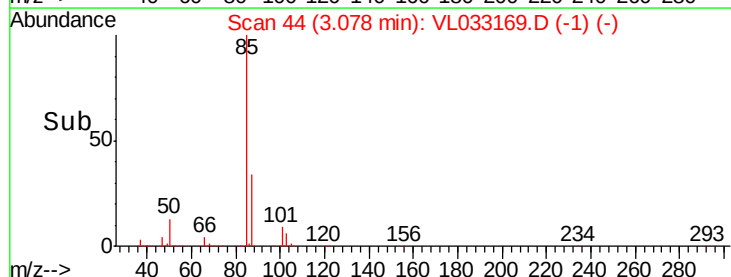
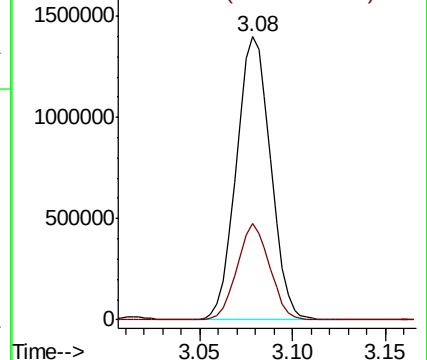
Tgt Ion: 85 Resp: 1782009
Ion Ratio Lower Upper

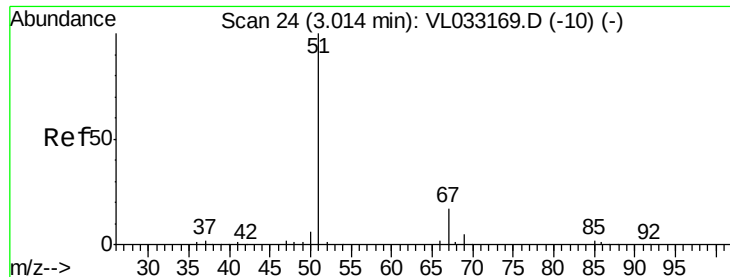
85 100

87 34.3 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: 9.286 ppbv

RT: 3.01 min Scan# 24

Delta R.T. 0.00 min

Lab File: VL033169.D

Acq: 6 Feb 2019 1:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 51 Resp: 1108495

Ion Ratio Lower Upper

51 100

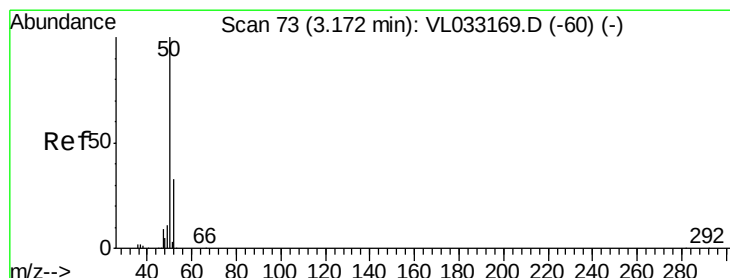
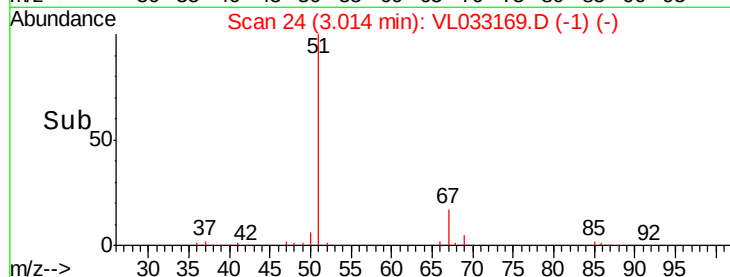
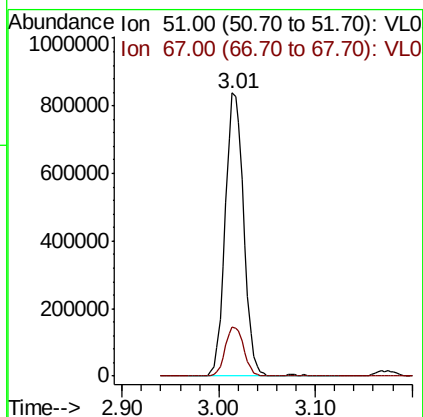
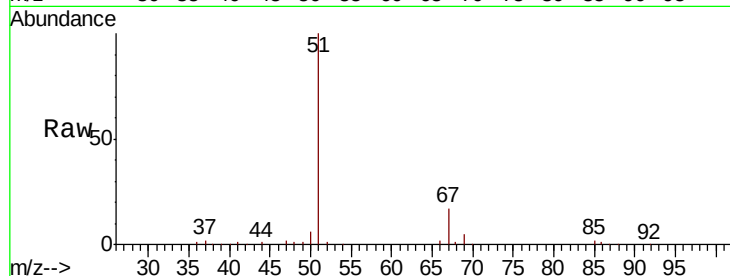
67 17.5 14.0 21.0

Manual Integrations

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#4

Chloromethane

Concen: 9.487 ppbv

RT: 3.17 min Scan# 73

Delta R.T. 0.00 min

Lab File: VL033169.D

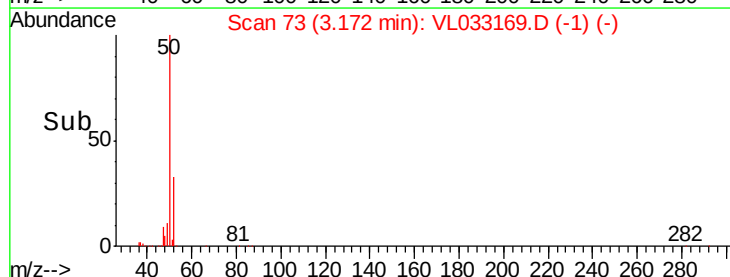
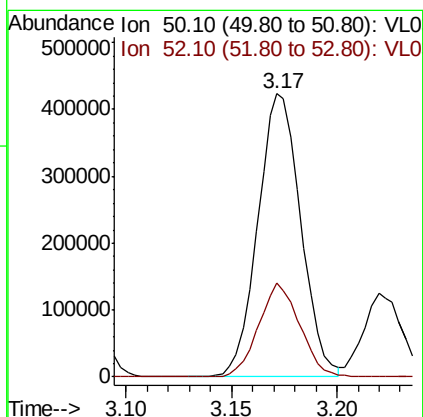
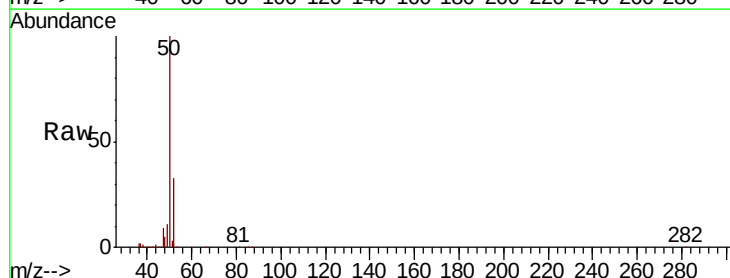
Acq: 6 Feb 2019 1:51

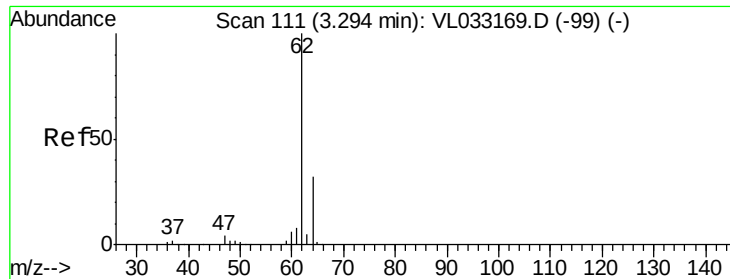
Tgt Ion: 50 Resp: 598012

Ion Ratio Lower Upper

50 100

52 33.1 26.5 39.7





#5

Vinyl Chloride

Concen: 8.636 ppbv

RT: 3.29 min Scan# 111

Delta R.T. 0.00 min

Lab File: VL033169.D

Acq: 6 Feb 2019 1:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 62 Resp: 568842

Ion Ratio Lower Upper

62 100

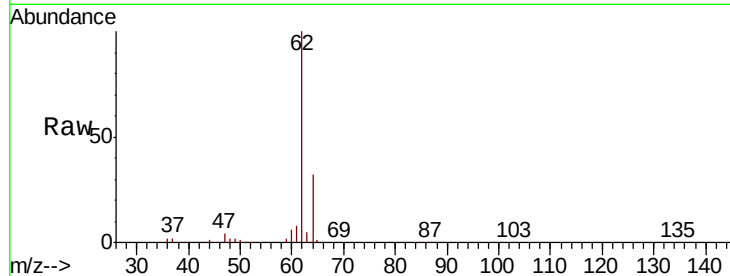
64 32.0 25.6 38.4

Manual Integrations

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

500000

400000

300000

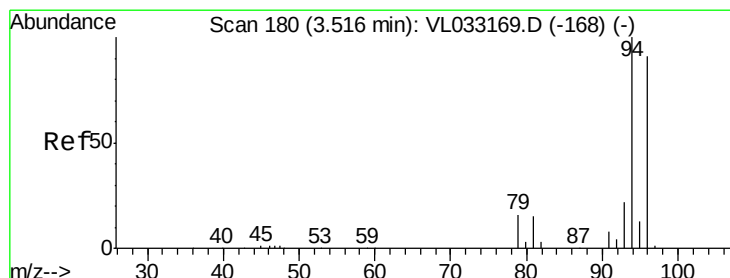
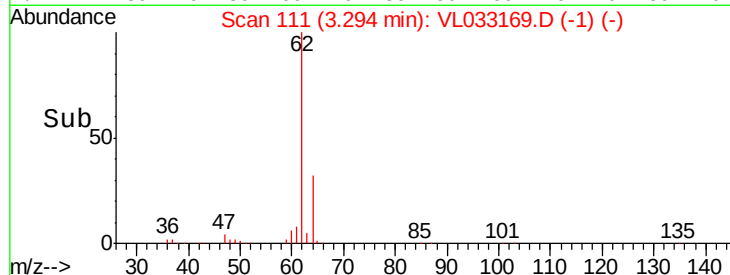
200000

100000

0

3.25 3.30 3.35

Time-->



#6

Bromomethane

Concen: 9.488 ppbv

RT: 3.52 min Scan# 180

Delta R.T. 0.00 min

Lab File: VL033169.D

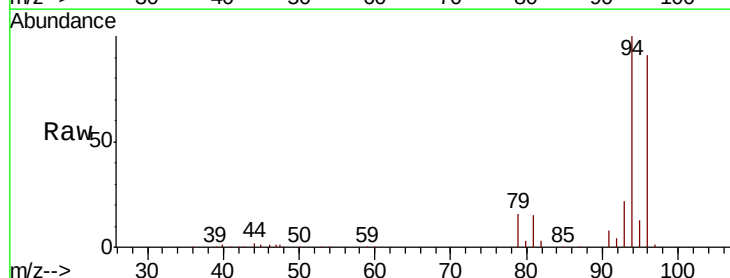
Acq: 6 Feb 2019 1:51

Tgt Ion: 94 Resp: 343222

Ion Ratio Lower Upper

94 100

96 91.5 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

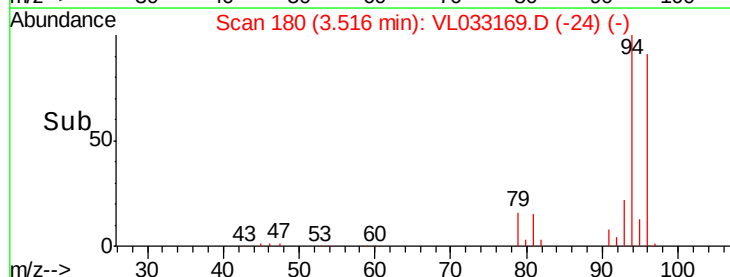
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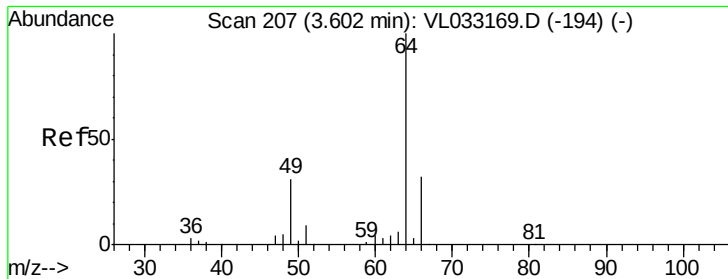
50000

0

3.45 3.50 3.55

Time-->





#7

Chloroethane

Concen: 9.416 ppbv

RT: 3.60 min Scan# 207

Delta R.T. 0.00 min

Lab File: VL033169.D

Acq: 6 Feb 2019 1:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 64 Resp: 202611

Ion Ratio Lower Upper

64 100

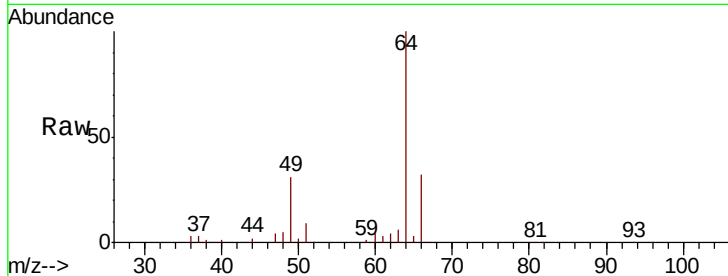
66 32.5 26.0 39.0

Manual Integrations

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

150000

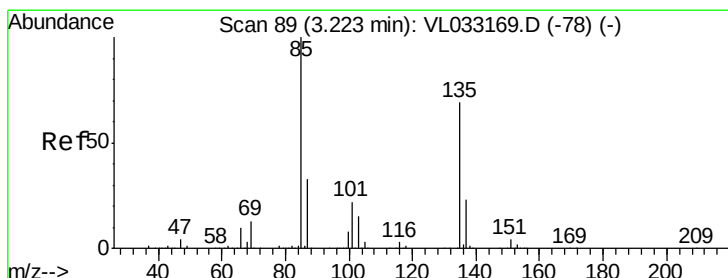
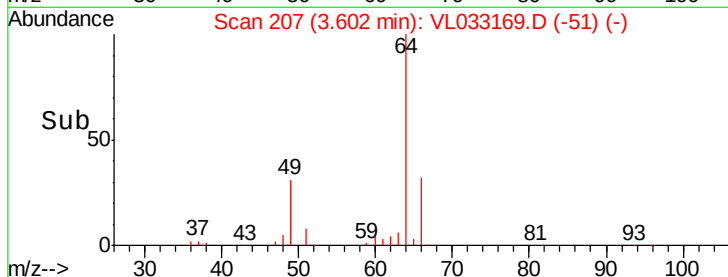
100000

50000

0

3.55 3.60 3.65

Time-->



#8

Dichlorotetrafluoroethane

Concen: 8.954 ppbv

RT: 3.22 min Scan# 89

Delta R.T. 0.00 min

Lab File: VL033169.D

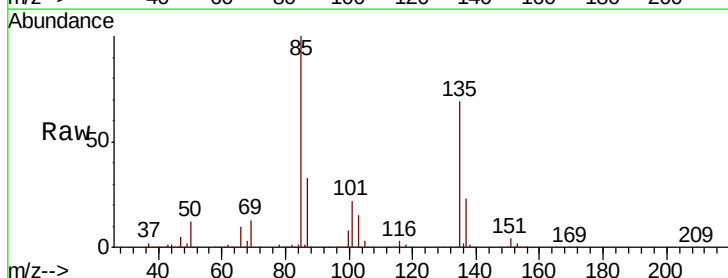
Acq: 6 Feb 2019 1:51

Tgt Ion: 85 Resp: 1327369

Ion Ratio Lower Upper

85 100

135 67.9 54.3 81.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

1200000

1000000

800000

600000

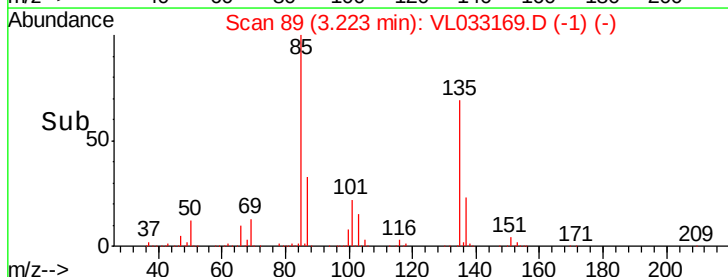
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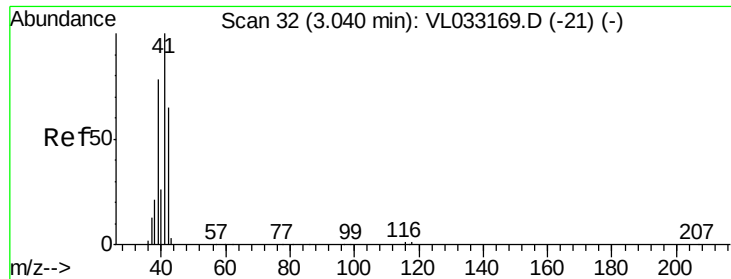
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0

3.15 3.20 3.25 3.30

Time-->





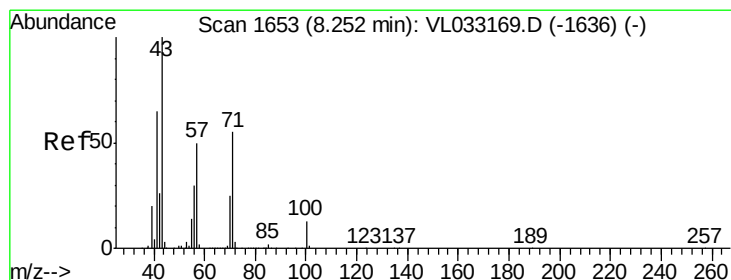
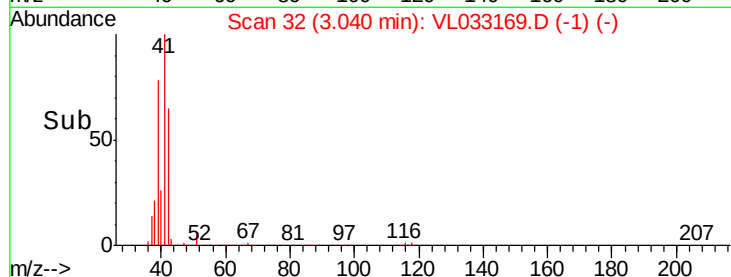
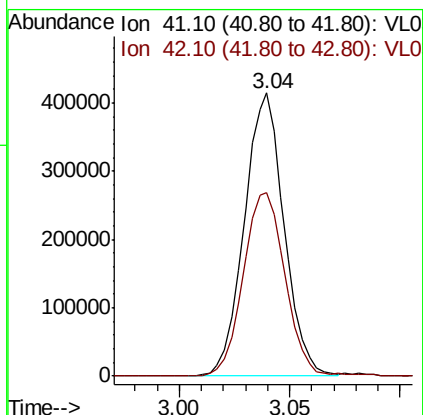
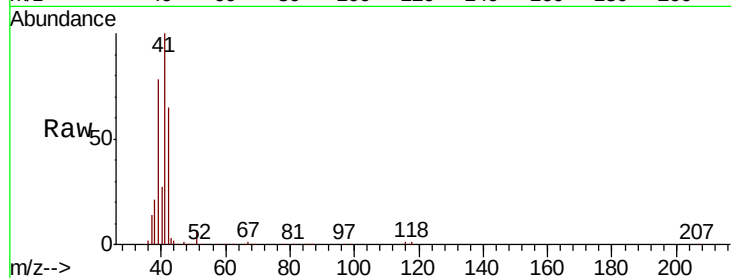
#9
 Propene
 Concen: 9.027 ppbv
 RT: 3.04 min Scan# 32
 Delta R.T. 0.00 min
 Lab File: VL033169.D
 Acq: 6 Feb 2019 1:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion: 41 Resp: 520522
 Ion Ratio Lower Upper
 41 100
 42 68.8 55.0 82.6

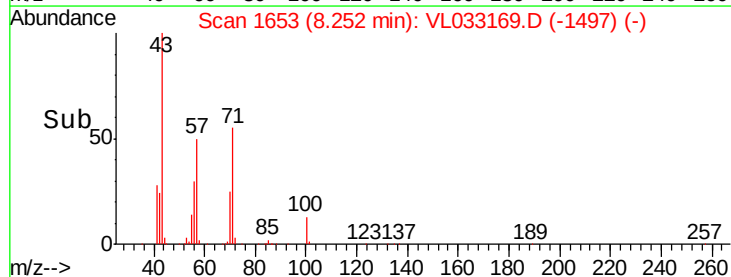
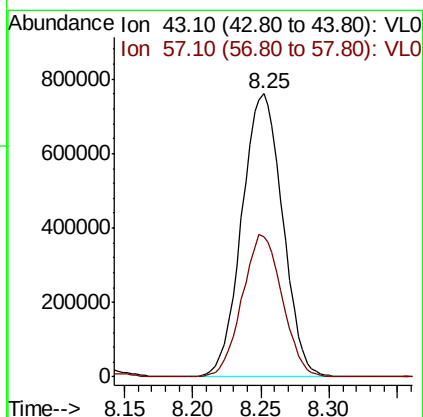
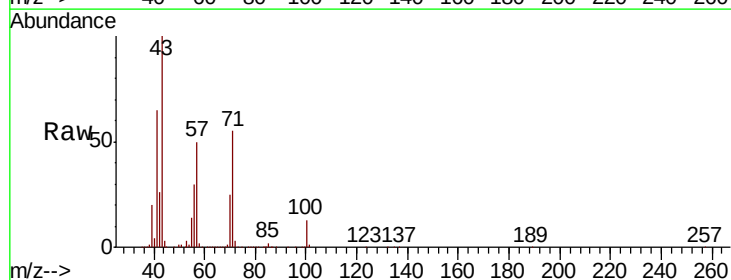
Manual Integrations
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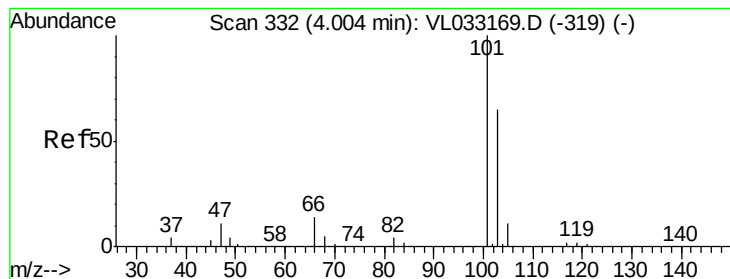
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#10
 Heptane
 Concen: 9.007 ppbv
 RT: 8.25 min Scan# 1653
 Delta R.T. 0.00 min
 Lab File: VL033169.D
 Acq: 6 Feb 2019 1:51

Tgt Ion: 43 Resp: 1571371
 Ion Ratio Lower Upper
 43 100
 57 49.4 39.5 59.3





#11

Trichlorofluoromethane

Concen: 9.220 ppbv

RT: 4.00 min Scan# 332

Delta R.T. 0.00 min

Lab File: VL033169.D

Acq: 6 Feb 2019 1:51

Instrument :

MSVOA_L

ClientSampled :

VSTDICCC010

Tgt Ion:101 Resp: 1414811

Ion Ratio Lower Upper

101 100

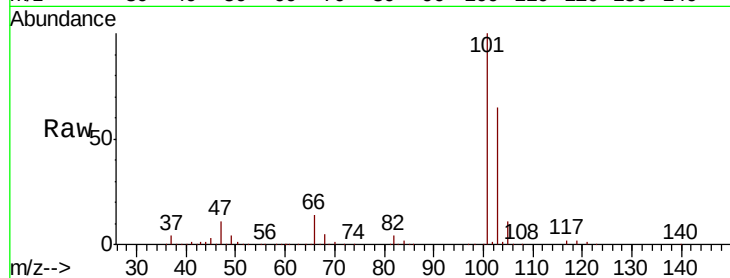
103 64.6 51.7 77.5

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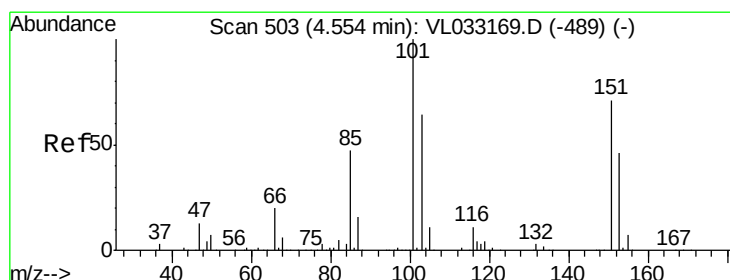
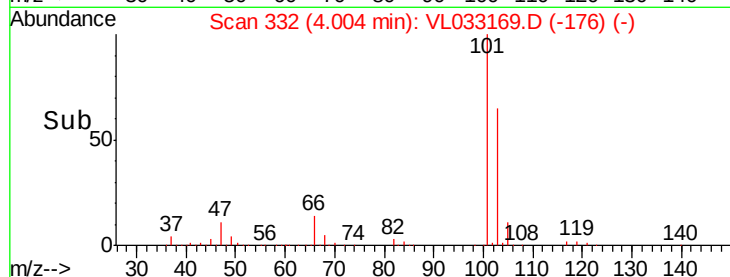
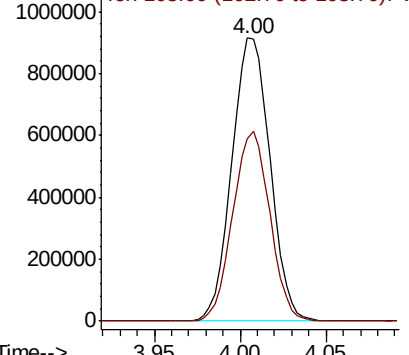
MMDadoda

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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.247 ppbv

RT: 4.55 min Scan# 503

Delta R.T. 0.00 min

Lab File: VL033169.D

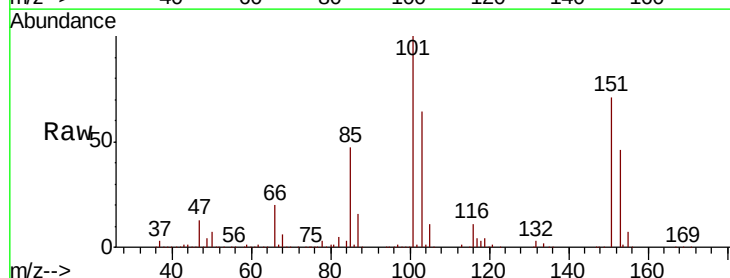
Acq: 6 Feb 2019 1:51

Tgt Ion:101 Resp: 983456

Ion Ratio Lower Upper

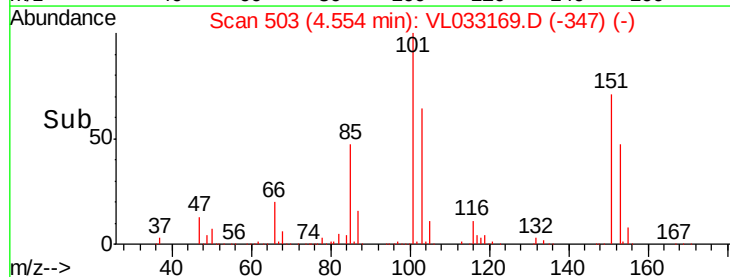
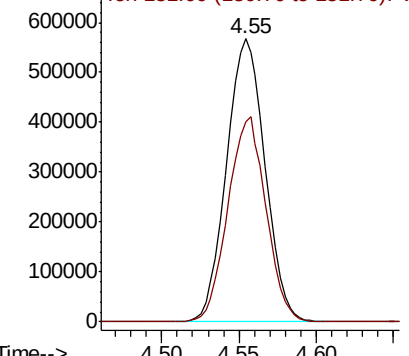
101 100

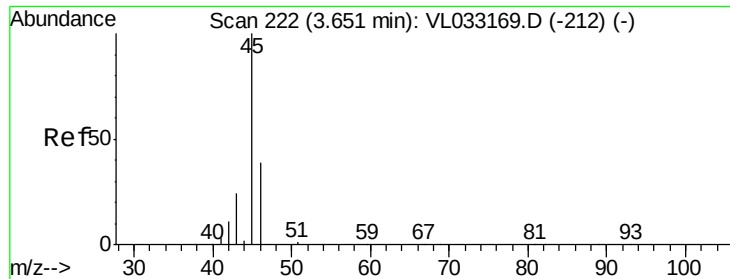
151 71.7 57.4 86.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 6.676 ppbv

RT: 3.65 min Scan# 222

Delta R.T. 0.00 min

Lab File: VL033169.D

Acq: 6 Feb 2019 1:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 45 Resp: 128383

Ion Ratio Lower Upper

45 100

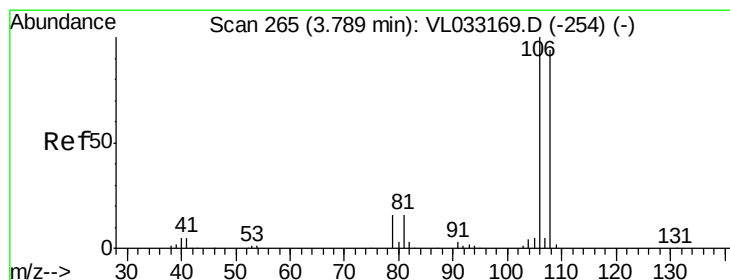
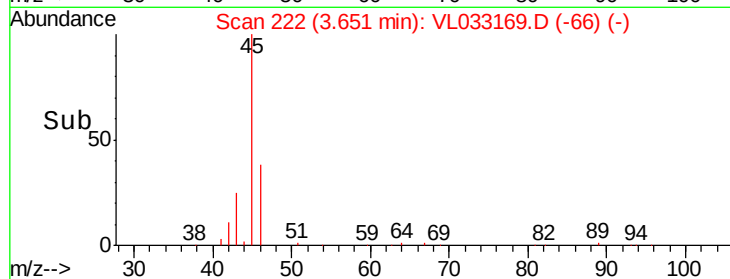
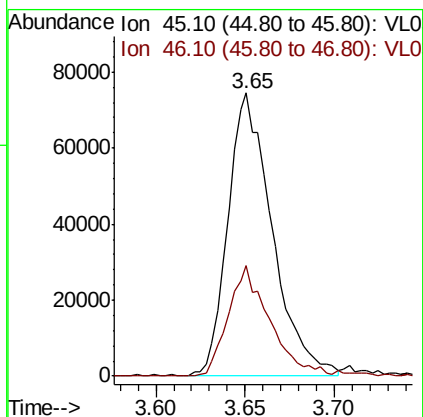
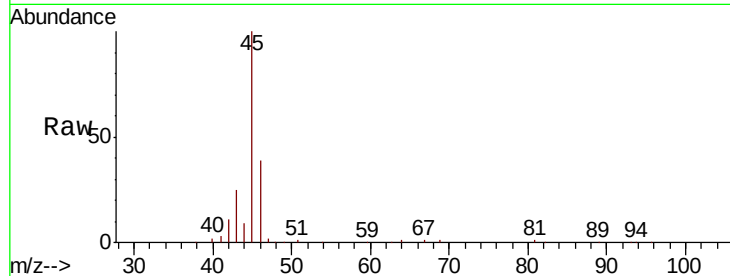
46 37.6 15.0 60.2

Manual Integrations

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#14

Bromoethene

Concen: 9.450 ppbv

RT: 3.79 min Scan# 265

Delta R.T. 0.00 min

Lab File: VL033169.D

Acq: 6 Feb 2019 1:51

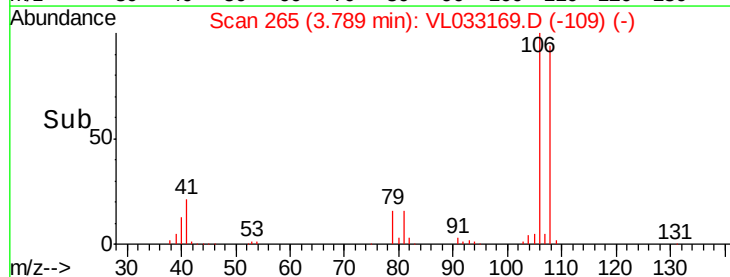
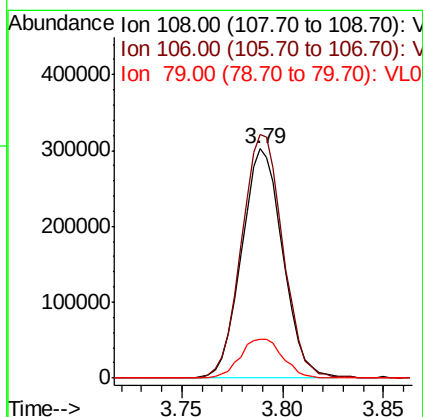
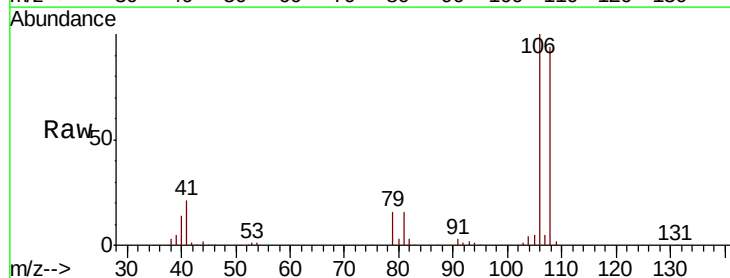
Tgt Ion: 108 Resp: 433348

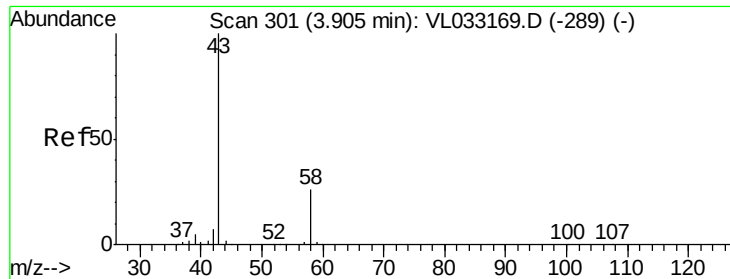
Ion Ratio Lower Upper

108 100

106 107.5 86.0 129.0

79 18.1 14.5 21.7





#15

Acetone

Concen: 8.533 ppbv

RT: 3.90 min Scan# 301

Delta R.T. 0.00 min

Lab File: VL033169.D

Acq: 6 Feb 2019 1:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 43 Resp: 953043

Ion Ratio Lower Upper

43 100

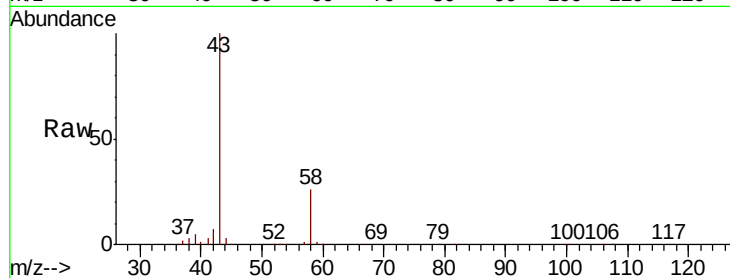
58 26.4 21.1 31.7

Manual Integrations

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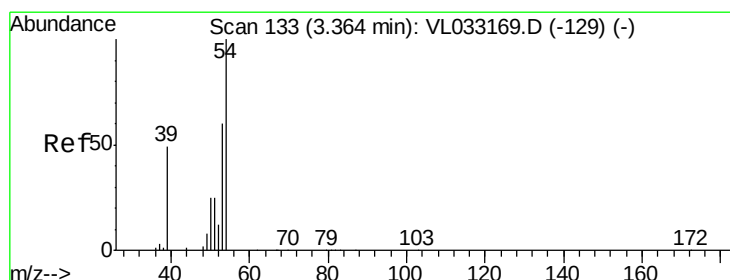
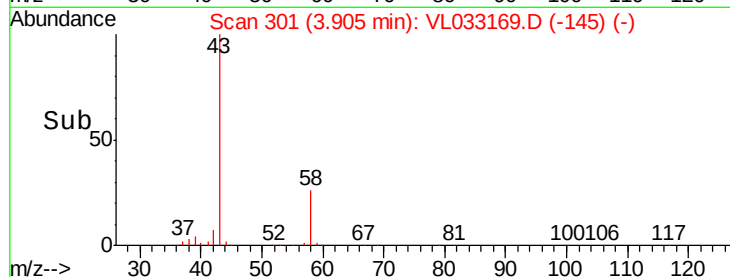
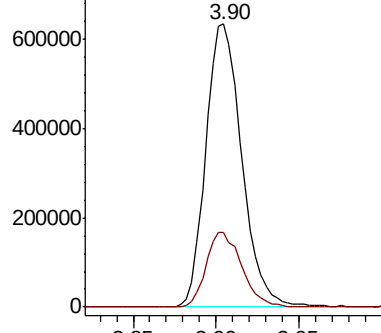
MMDadoda

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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 9.287 ppbv

RT: 3.36 min Scan# 133

Delta R.T. 0.00 min

Lab File: VL033169.D

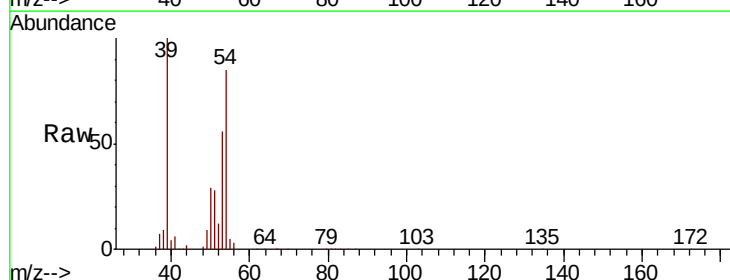
Acq: 6 Feb 2019 1:51

Tgt Ion: 39 Resp: 492372

Ion Ratio Lower Upper

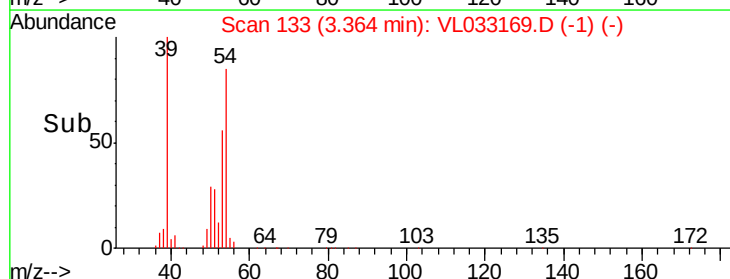
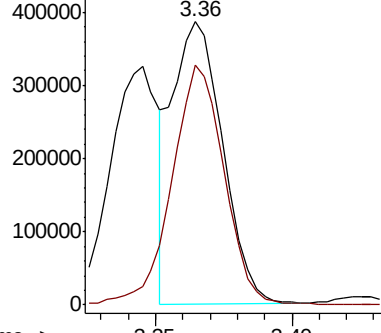
39 100

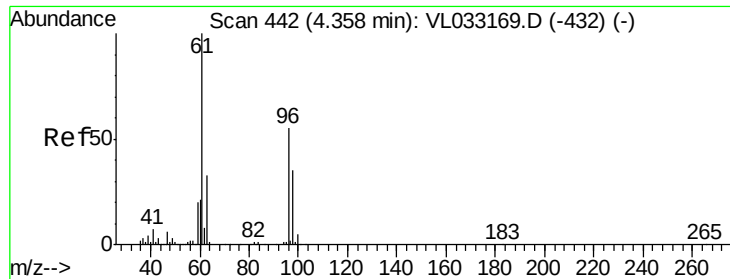
54 89.1 71.3 106.9



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





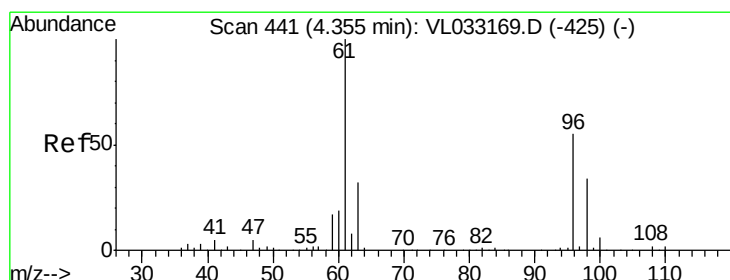
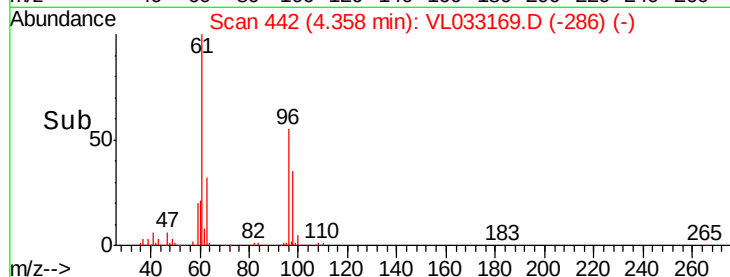
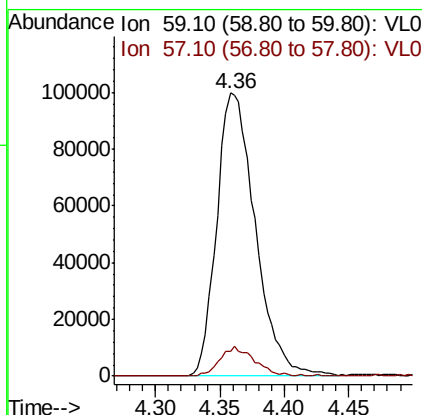
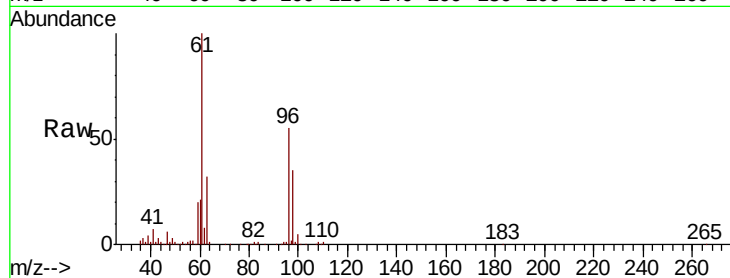
#17
tert-Butyl alcohol
Concen: 9.731 ppbv
RT: 4.36 min Scan# 442
Delta R.T. 0.00 min
Lab File: VL033169.D
Acq: 6 Feb 2019 1:51

Instrument :
MSVOA_L
ClientSampled :
VSTDICCC010

Tgt Ion: 59 Resp: 207225
Ion Ratio Lower Upper
59 100
57 9.5 7.6 11.4

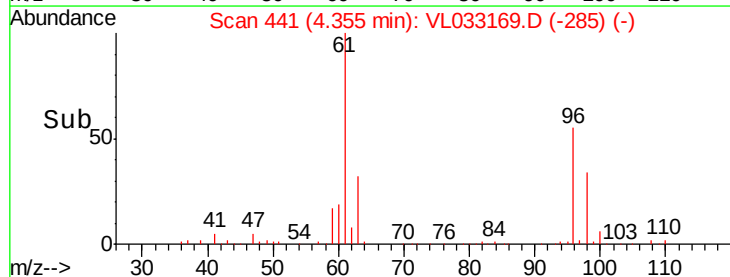
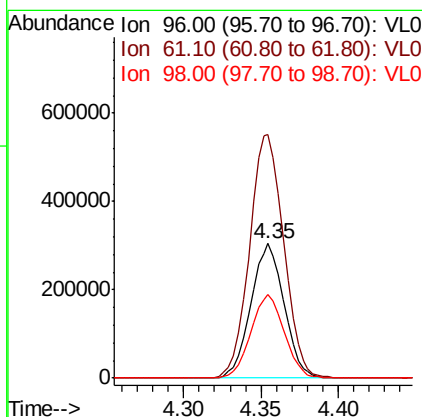
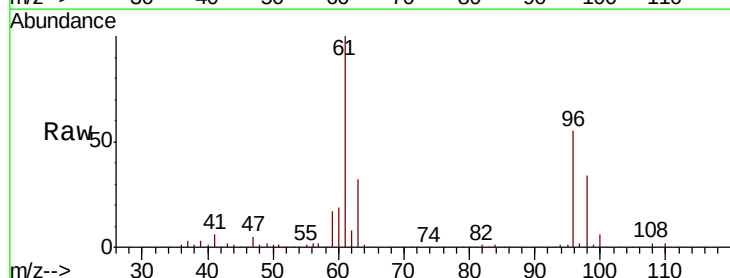
Manual Integrations
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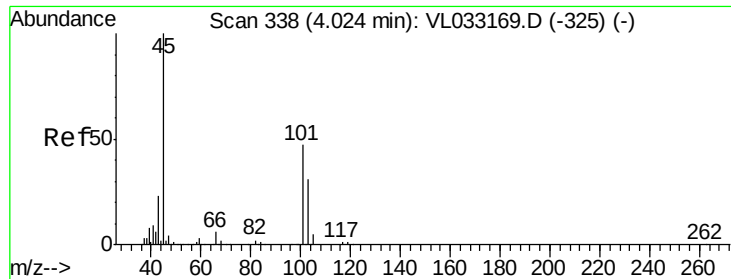
MMDadoda
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#18
1,1-Dichloroethene
Concen: 9.589 ppbv
RT: 4.35 min Scan# 441
Delta R.T. 0.00 min
Lab File: VL033169.D
Acq: 6 Feb 2019 1:51

Tgt Ion: 96 Resp: 456501
Ion Ratio Lower Upper
96 100
61 181.3 145.0 217.6
98 62.5 50.0 75.0





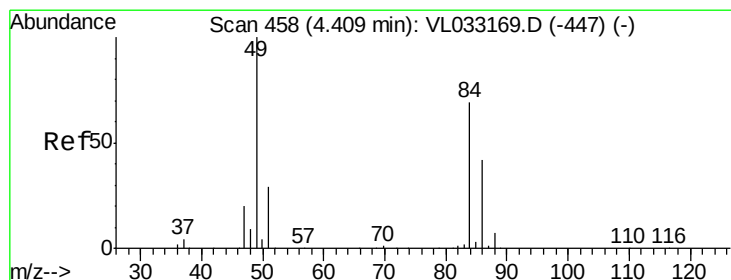
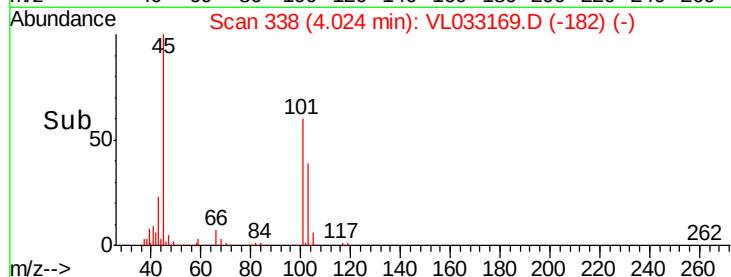
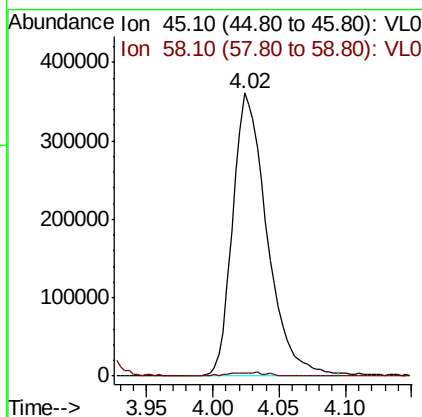
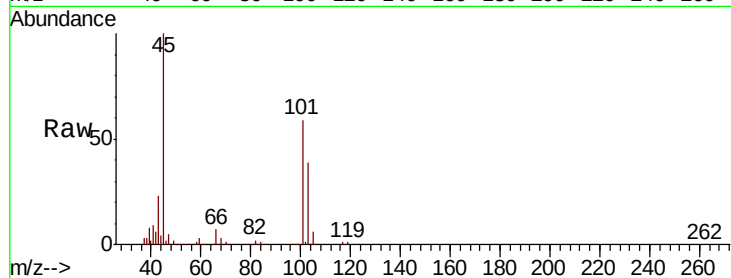
#19
Isopropyl Alcohol
Concen: 8.574 ppbv
RT: 4.02 min Scan# 338
Delta R.T. 0.00 min
Lab File: VL033169.D
Acq: 6 Feb 2019 1:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 45 Resp: 649520
Ion Ratio Lower Upper
45 100
58 1.9 1.5 2.3

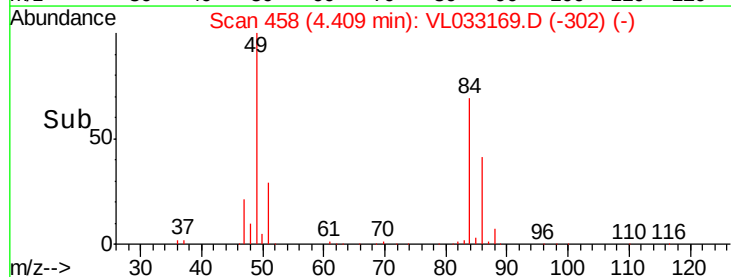
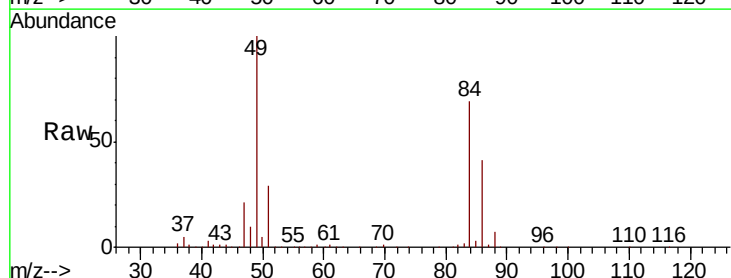
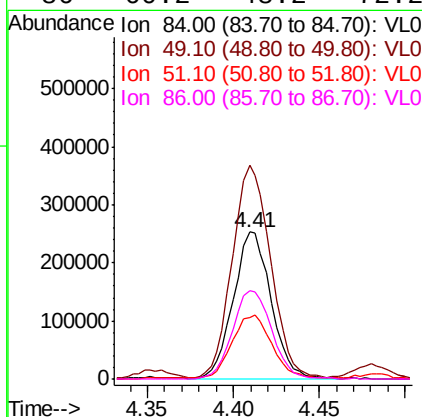
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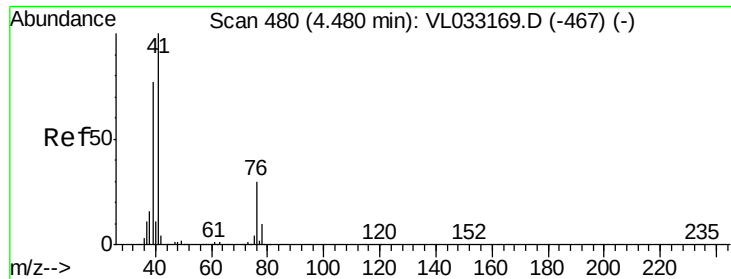
MMDadoda
2/20/2019 12:20:45 PM



#20
Methylene Chloride
Concen: 8.663 ppbv
RT: 4.41 min Scan# 458
Delta R.T. 0.00 min
Lab File: VL033169.D
Acq: 6 Feb 2019 1:51

Tgt Ion: 84 Resp: 384911
Ion Ratio Lower Upper
84 100
49 144.8 115.8 173.8
51 41.3 33.0 49.6
86 60.2 48.2 72.2





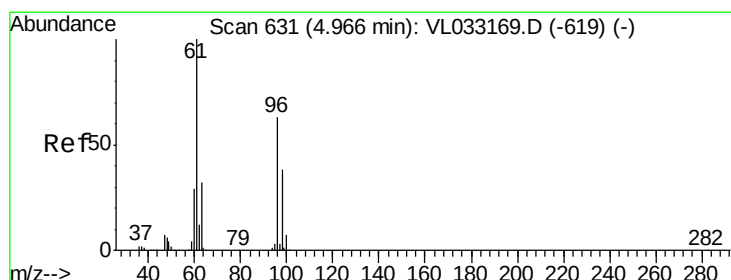
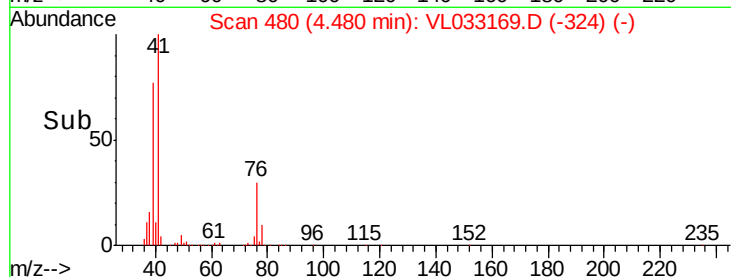
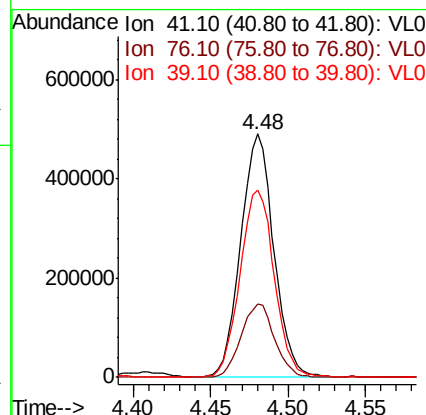
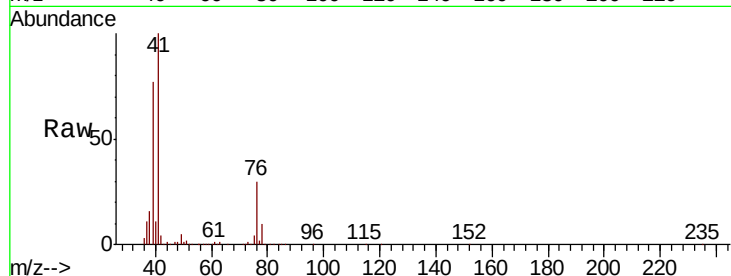
#21
 Allyl Chloride
 Concen: 9.839 ppbv
 RT: 4.48 min Scan# 480
 Delta R.T. 0.00 min
 Lab File: VL033169.D
 Acq: 6 Feb 2019 1:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion	Ratio	Lower	Upper
41	100		
76	30.6	24.5	36.7
39	80.1	64.1	96.1

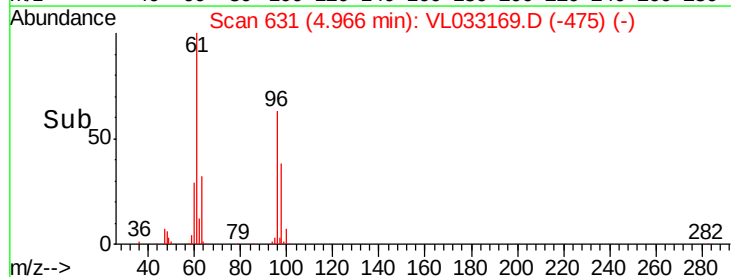
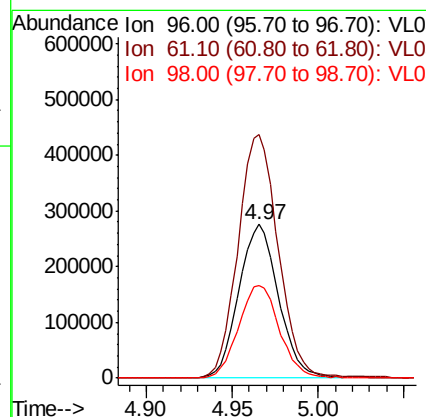
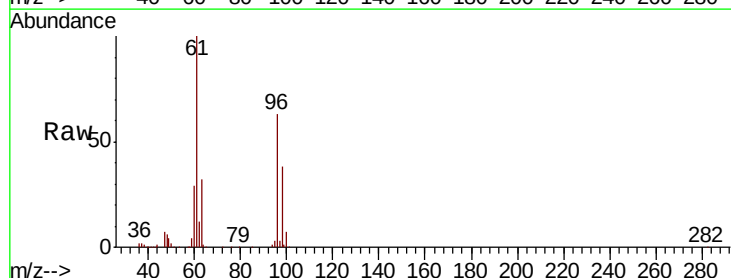
Manual Integrations
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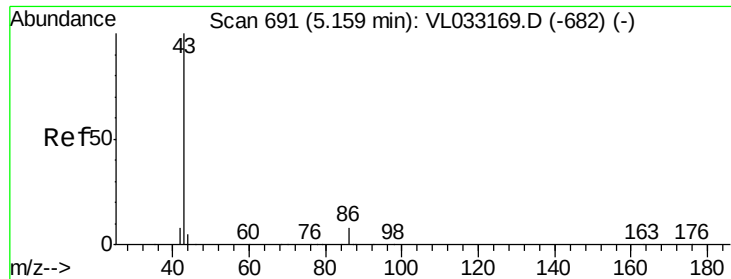
MMDadoda
 2/20/2019 12:20:45 PM



#22
 trans-1,2-Dichloroethene
 Concen: 9.565 ppbv
 RT: 4.97 min Scan# 631
 Delta R.T. 0.00 min
 Lab File: VL033169.D
 Acq: 6 Feb 2019 1:51

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.0	126.4	189.6
98	60.5	48.4	72.6





#23

Vinyl Acetate

Concen: 9.454 ppbv

RT: 5.16 min Scan# 691

Delta R.T. 0.00 min

Lab File: VL033169.D

Acq: 6 Feb 2019 1:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 43 Resp: 1830215

Ion Ratio Lower Upper

43 100

86 7.3 5.8 8.8

42 9.2 7.4 11.0

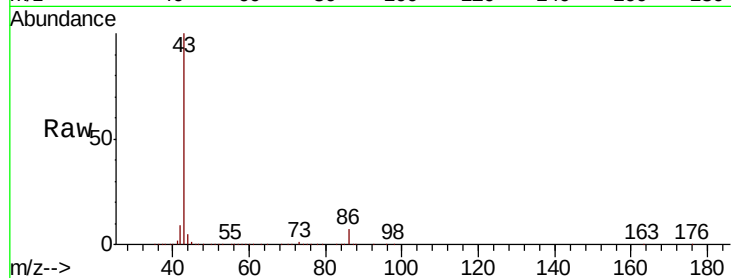
44 4.6 3.7 5.5

Manual Integrations

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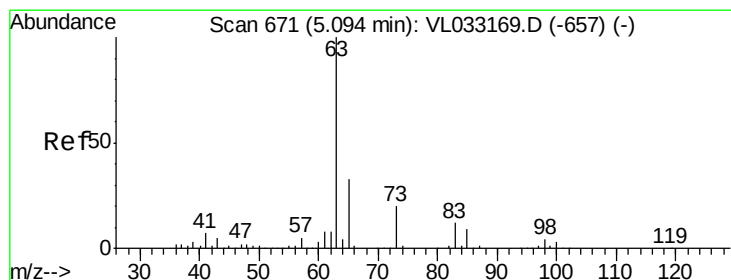
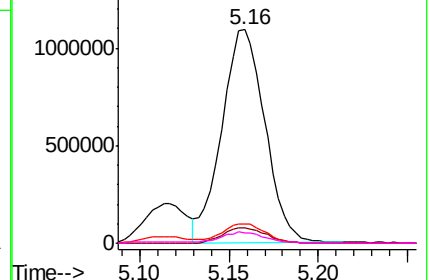
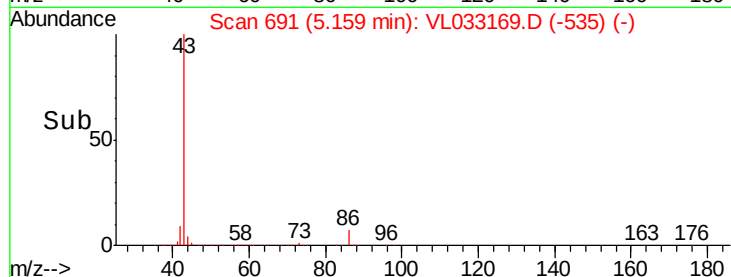


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 8.987 ppbv

RT: 5.09 min Scan# 671

Delta R.T. 0.00 min

Lab File: VL033169.D

Acq: 6 Feb 2019 1:51

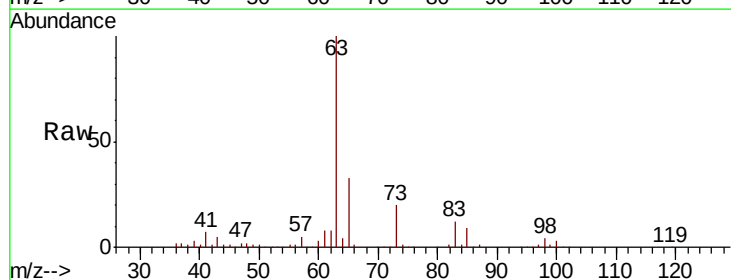
Tgt Ion: 63 Resp: 1230489

Ion Ratio Lower Upper

63 100

98 4.3 2.1 6.5

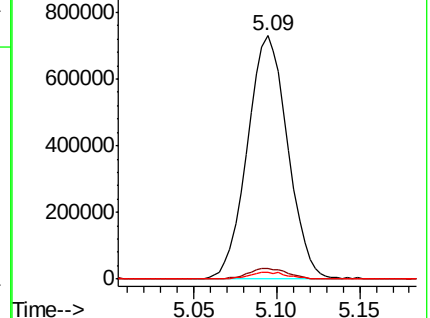
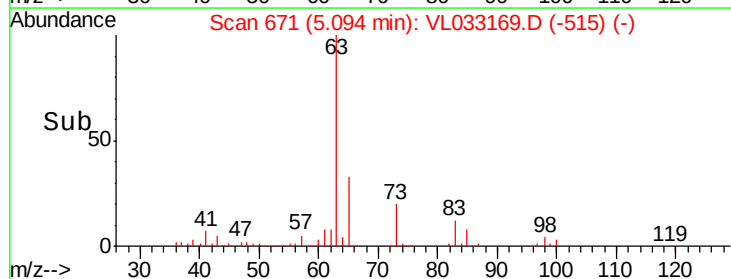
100 2.8 1.4 4.2

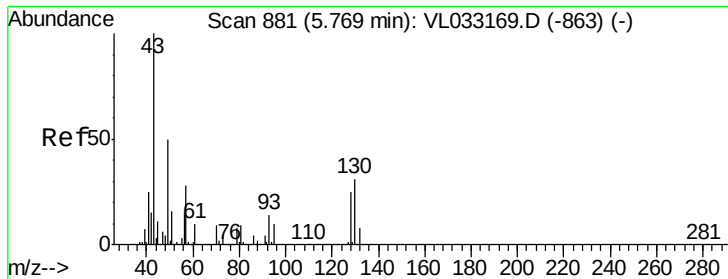


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 8.485 ppbv

RT: 5.77 min Scan# 881

Delta R.T. 0.00 min

Lab File: VL033169.D

Acq: 6 Feb 2019 1:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 43 Resp: 2130812

Ion Ratio Lower Upper

43 100

45 9.9 7.9 11.9

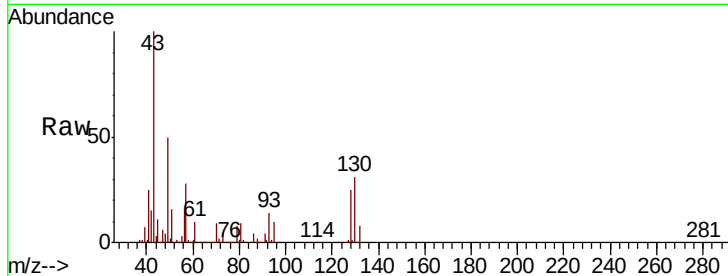
61 9.4 7.5 11.3

70 7.3 5.8 8.8

Manual Integrations
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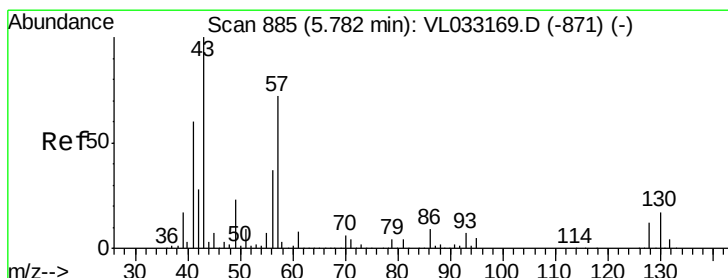
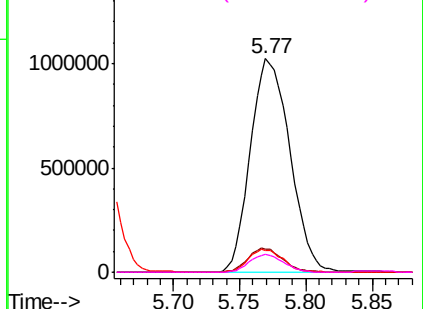
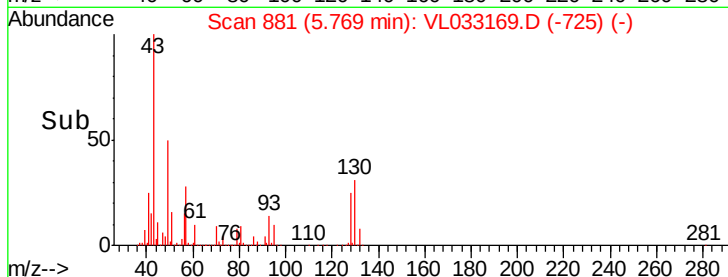
Abundance

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: 8.228 ppbv

RT: 5.78 min Scan# 885

Delta R.T. 0.00 min

Lab File: VL033169.D

Acq: 6 Feb 2019 1:51

Tgt Ion: 57 Resp: 969994

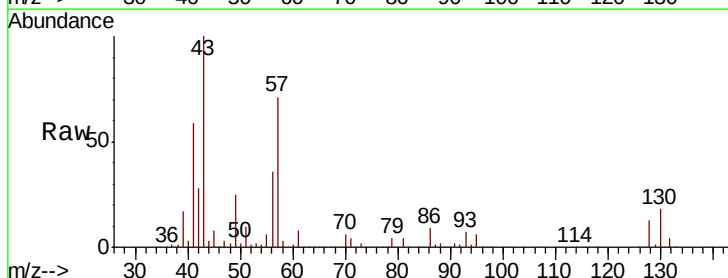
Ion Ratio Lower Upper

57 100

41 86.8 69.4 104.2

43 220.9 176.7 265.1

56 51.7 41.4 62.0



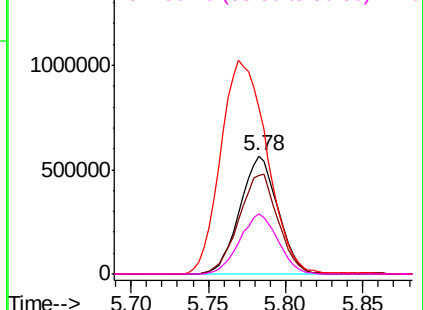
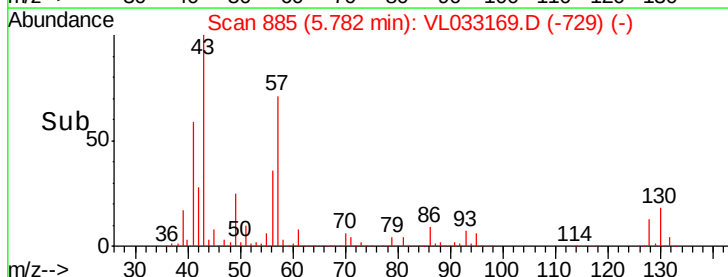
Abundance

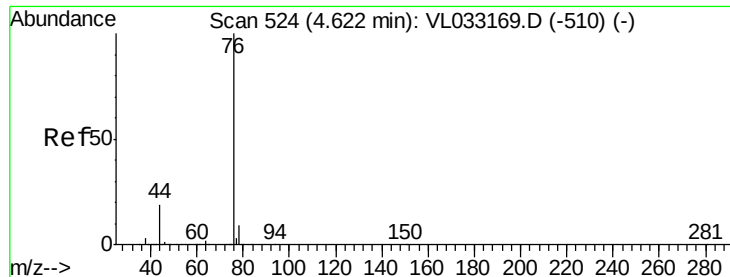
Ion 57.10 (56.80 to 57.80): VL0

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: 10.322 ppbv

RT: 4.62 min Scan# 524

Delta R.T. 0.00 min

Lab File: VL033169.D

Acq: 6 Feb 2019 1:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 76 Resp: 1114845

Ion Ratio Lower Upper

76 100

44 18.7 15.0 22.4

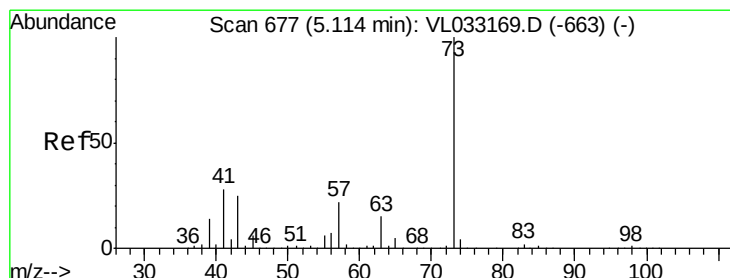
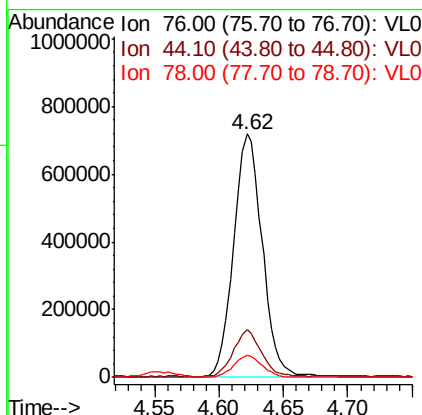
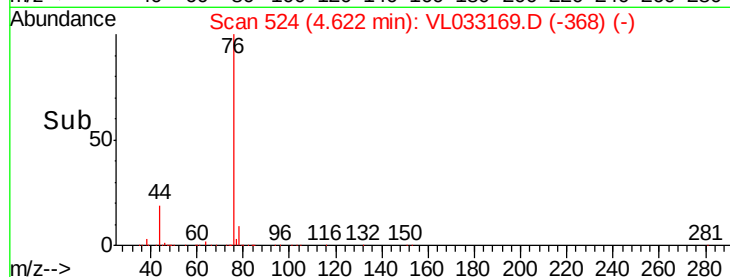
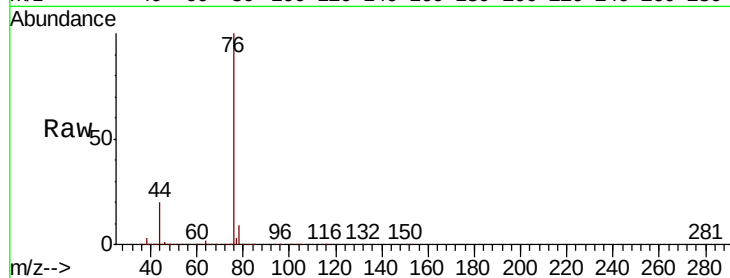
78 9.2 7.4 11.0

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#28

Methyl tert-Butyl Ether

Concen: 9.174 ppbv

RT: 5.11 min Scan# 677

Delta R.T. 0.00 min

Lab File: VL033169.D

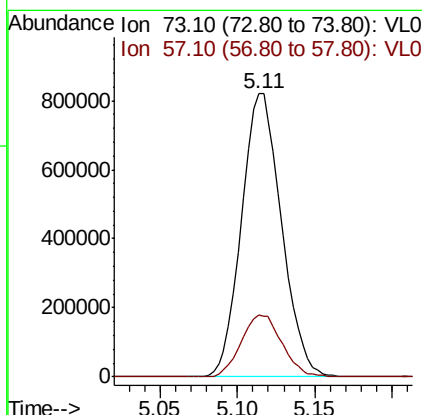
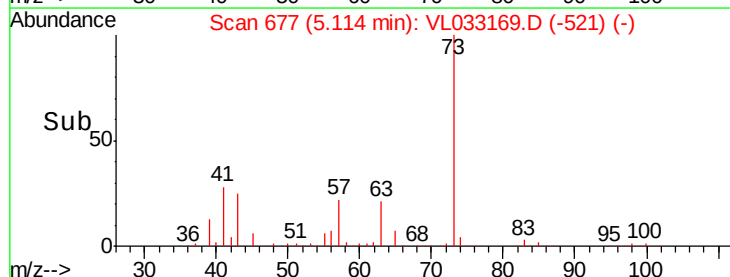
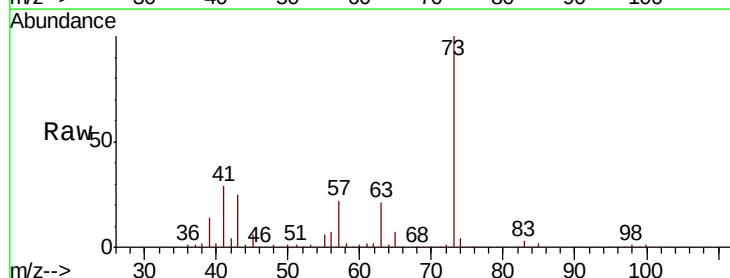
Acq: 6 Feb 2019 1:51

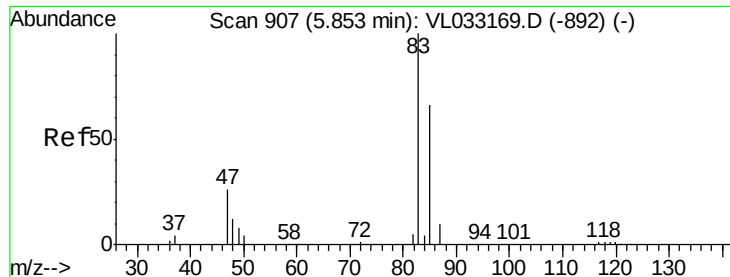
Tgt Ion: 73 Resp: 1477905

Ion Ratio Lower Upper

73 100

57 22.4 17.9 26.9





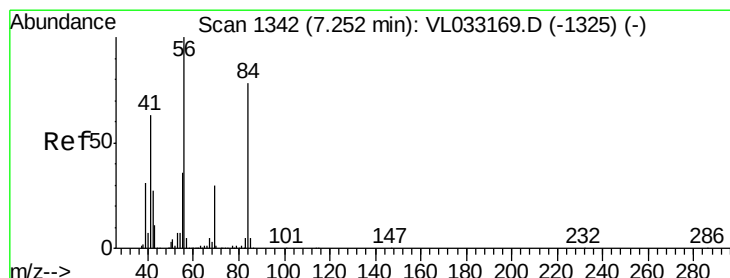
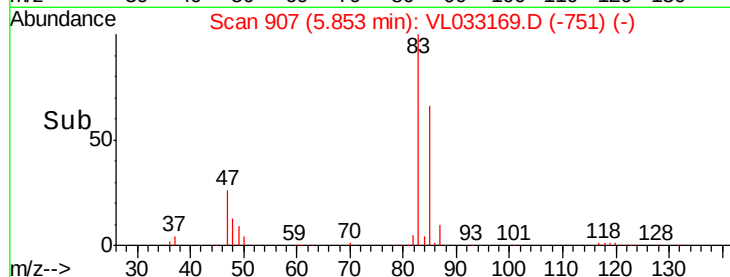
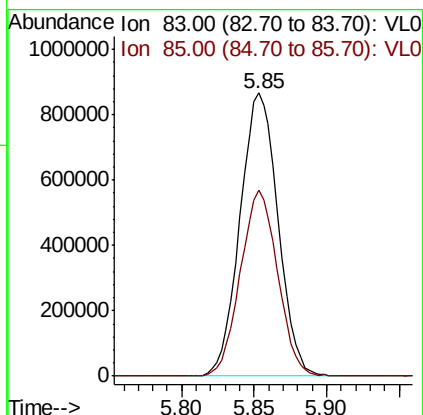
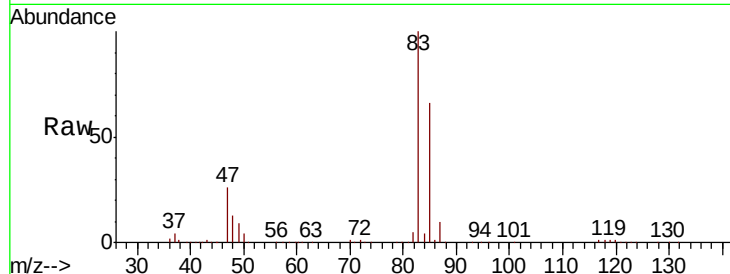
#29
Chloroform
Concen: 8.738 ppbv
RT: 5.85 min Scan# 907
Delta R.T. 0.00 min
Lab File: VL033169.D
Acq: 6 Feb 2019 1:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 83 Resp: 1578787
Ion Ratio Lower Upper
83 100
85 65.7 52.6 78.8

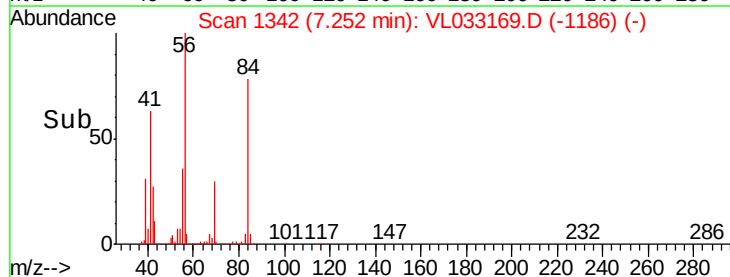
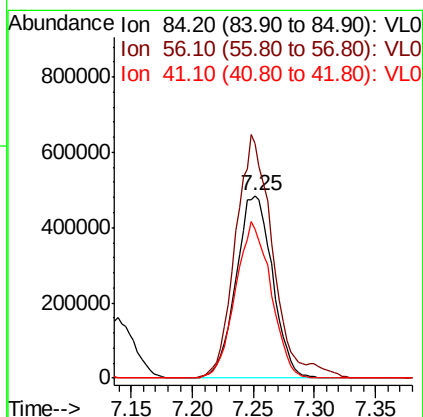
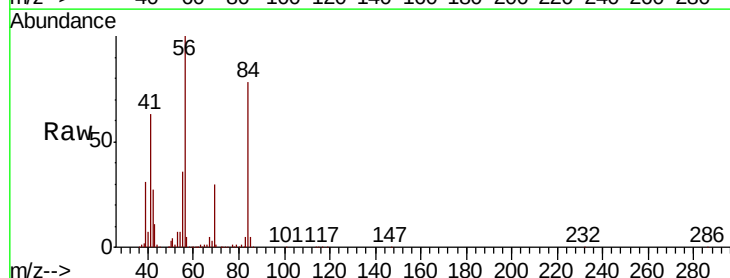
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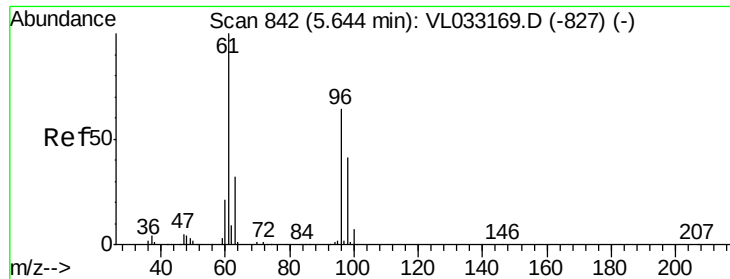
MMDadoda
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#30
Cyclohexane
Concen: 9.147 ppbv
RT: 7.25 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VL033169.D
Acq: 6 Feb 2019 1:51

Tgt Ion: 84 Resp: 1000580
Ion Ratio Lower Upper
84 100
56 136.9 109.5 164.3
41 83.3 66.6 100.0





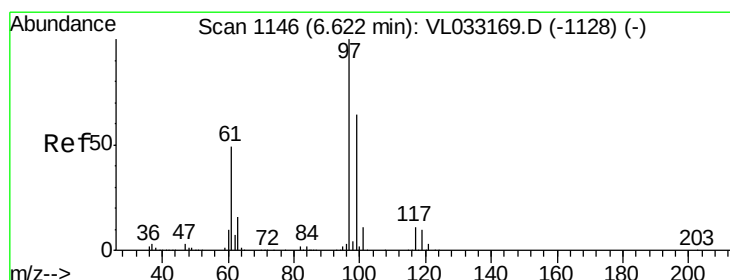
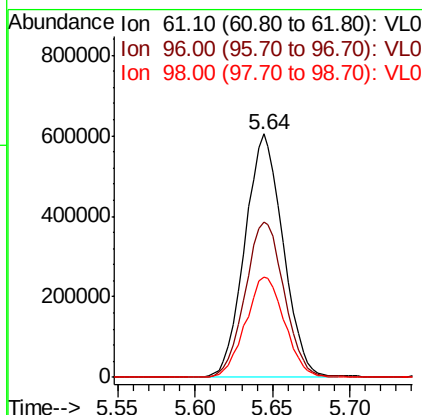
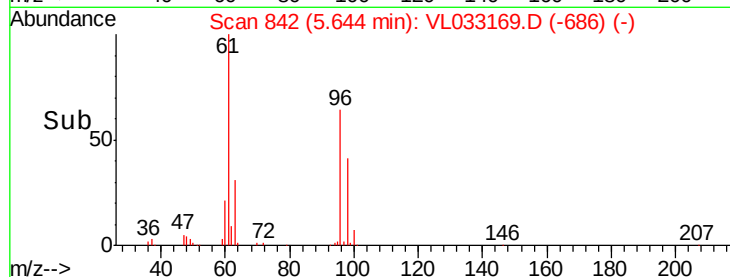
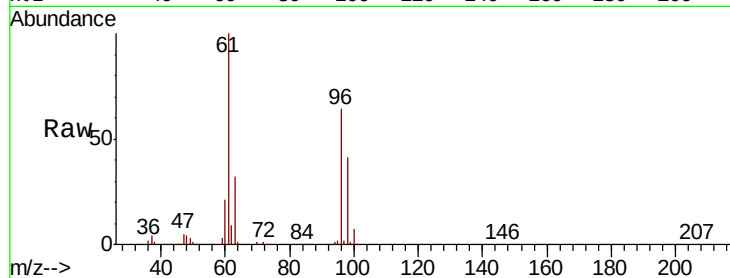
#31
 cis-1,2-Dichloroethene
 Concen: 8.827 ppbv
 RT: 5.64 min Scan# 842
 Delta R.T. 0.00 min
 Lab File: VL033169.D
 Acq: 6 Feb 2019 1:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion	Ratio	Lower	Upper
61	100		
96	64.0	51.2	76.8
98	41.0	32.8	49.2

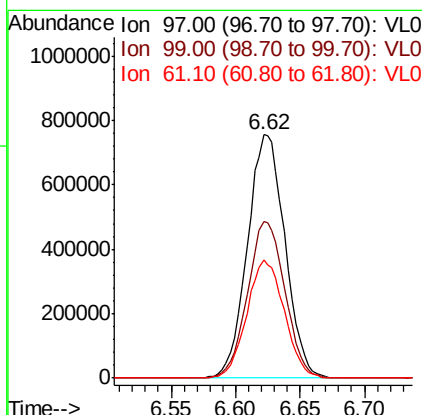
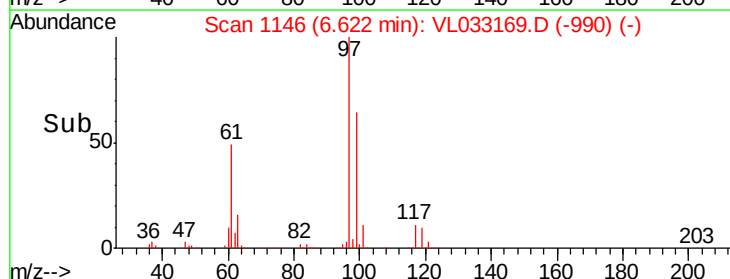
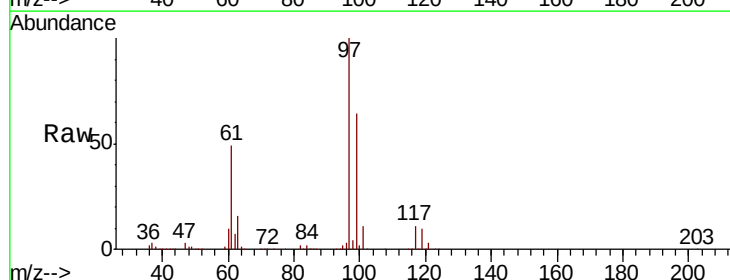
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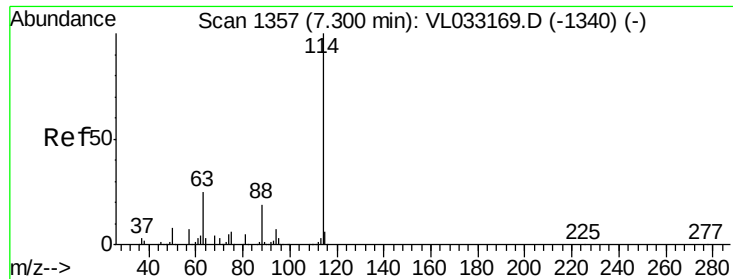
MMDadoda
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#32
 1,1,1-Trichloroethane
 Concen: 7.693 ppbv
 RT: 6.62 min Scan# 1146
 Delta R.T. 0.00 min
 Lab File: VL033169.D
 Acq: 6 Feb 2019 1:51

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.4	77.2
61	48.5	38.8	58.2





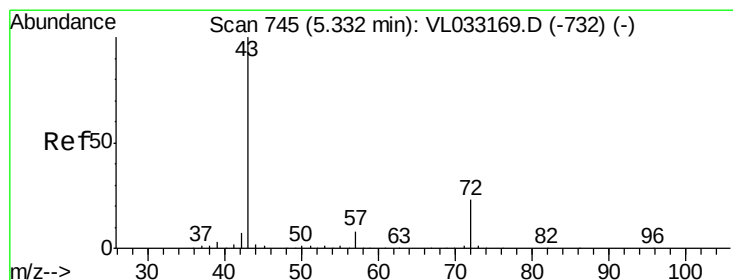
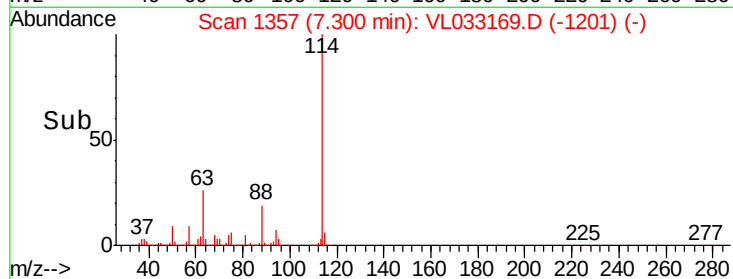
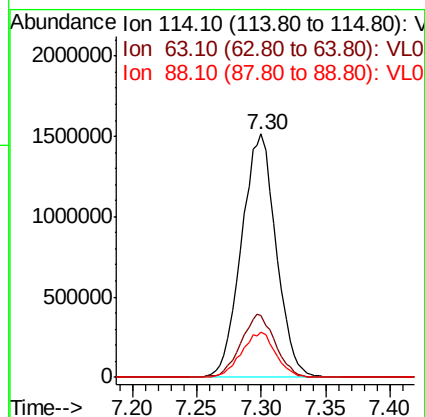
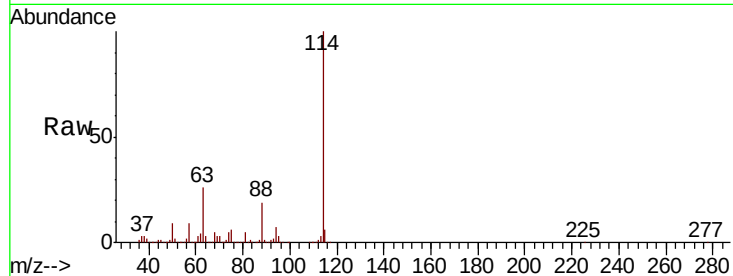
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.30 min Scan# 1357
 Delta R.T. 0.00 min
 Lab File: VL033169.D
 Acq: 6 Feb 2019 1:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion	Ratio	Lower	Upper
114	100		
63	26.0	20.8	31.2
88	18.3	14.6	22.0

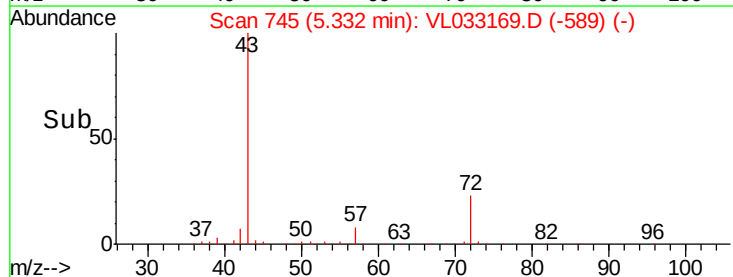
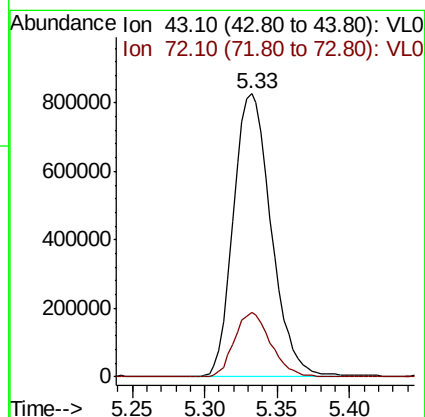
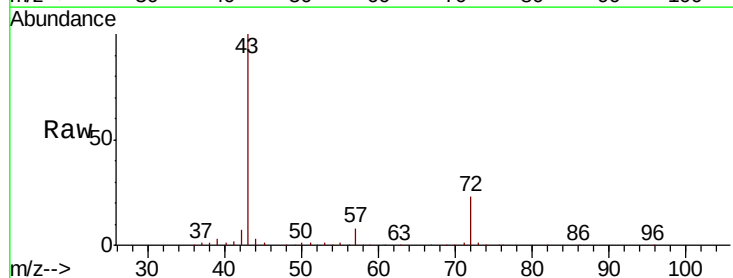
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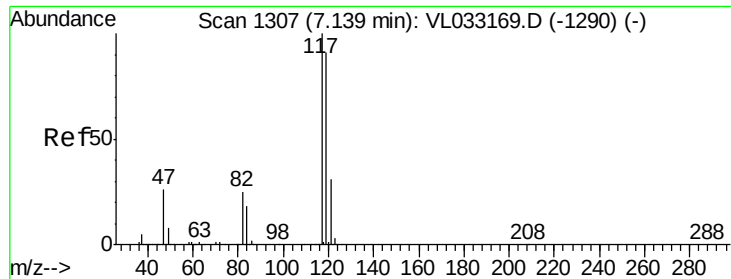
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#34
 2-Butanone
 Concen: 8.293 ppbv
 RT: 5.33 min Scan# 745
 Delta R.T. 0.00 min
 Lab File: VL033169.D
 Acq: 6 Feb 2019 1:51

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.2	17.8	26.6





#35

Carbon Tetrachloride

Concen: 8.532 ppbv

RT: 7.14 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VL033169.D

Acq: 6 Feb 2019 1:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 117 Resp: 1842830

Ion Ratio Lower Upper

117 100

119 91.3 73.0 109.6

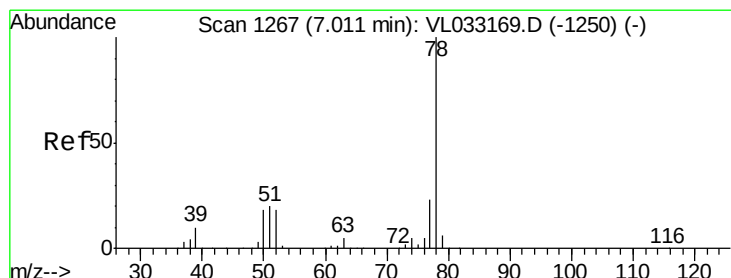
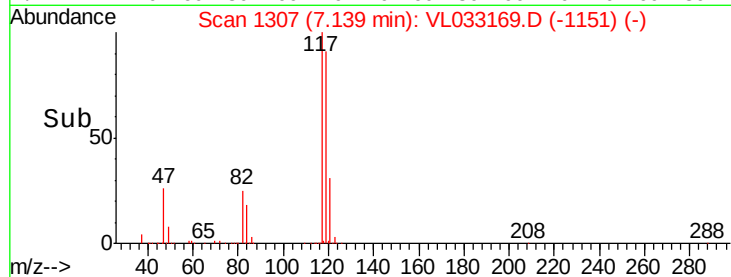
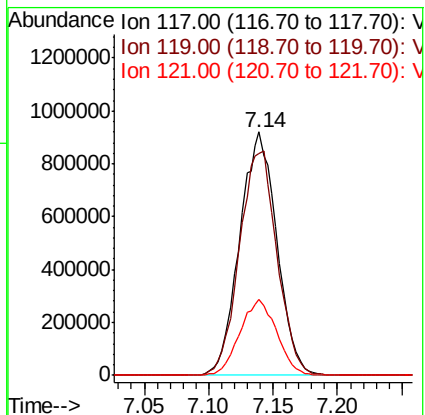
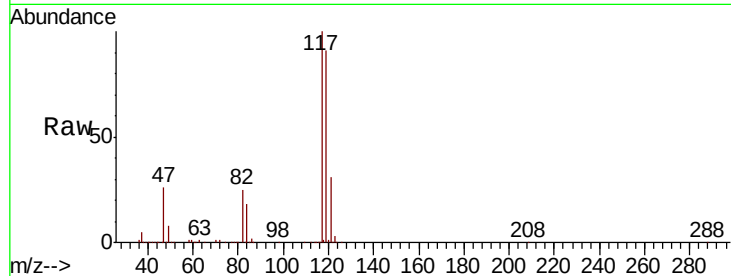
121 31.4 25.1 37.7

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#36

Benzene

Concen: 7.742 ppbv

RT: 7.01 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VL033169.D

Acq: 6 Feb 2019 1:51

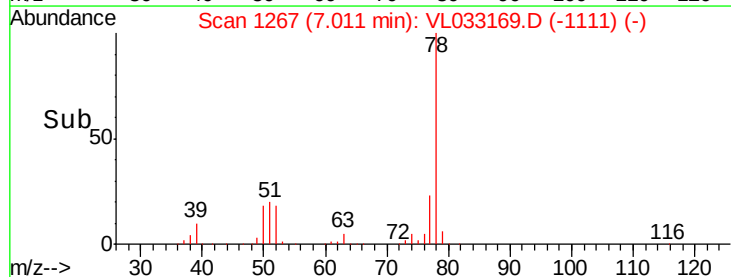
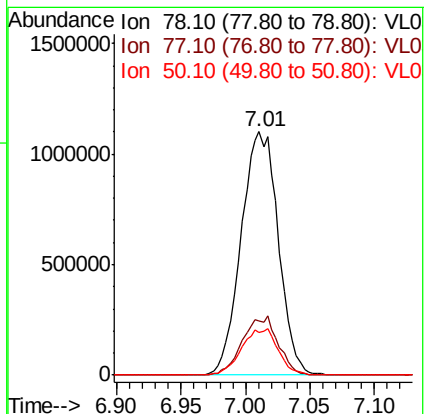
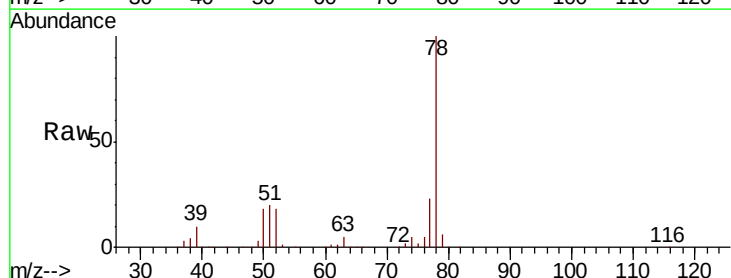
Tgt Ion: 78 Resp: 2218960

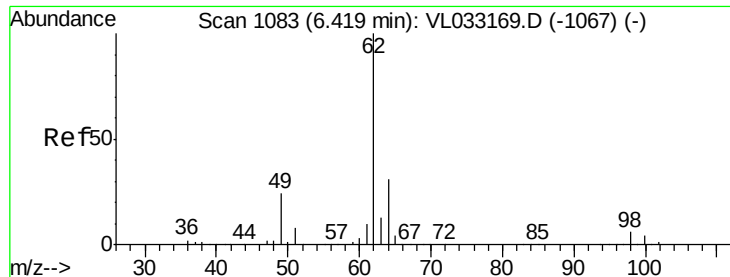
Ion Ratio Lower Upper

78 100

77 22.5 18.0 27.0

50 17.7 14.2 21.2





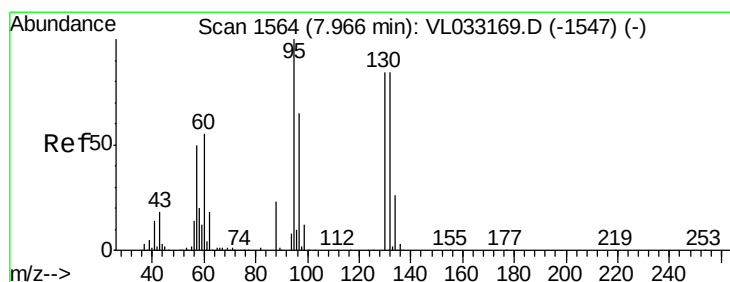
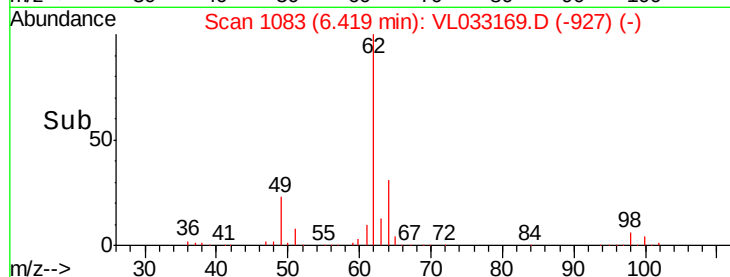
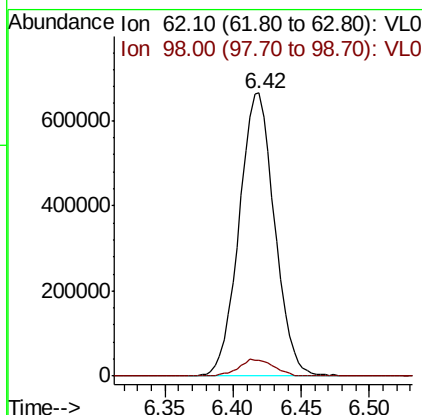
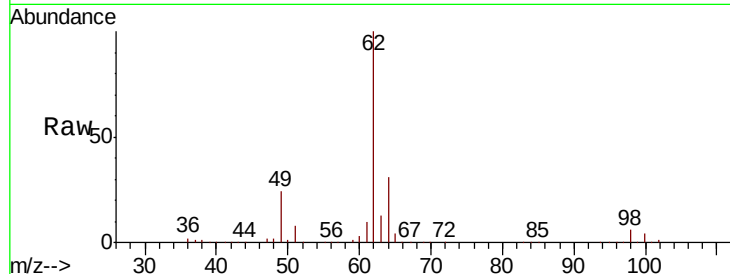
#37
 1,2-Dichloroethane
 Concen: 7.548 ppbv
 RT: 6.42 min Scan# 1083
 Delta R.T. 0.00 min
 Lab File: VL033169.D
 Acq: 6 Feb 2019 1:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion: 62 Resp: 1198924
 Ion Ratio Lower Upper
 62 100
 98 5.9 4.7 7.1

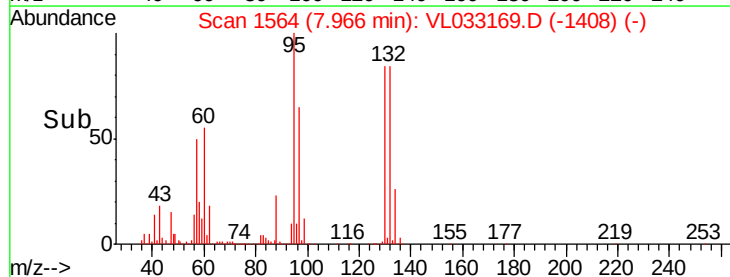
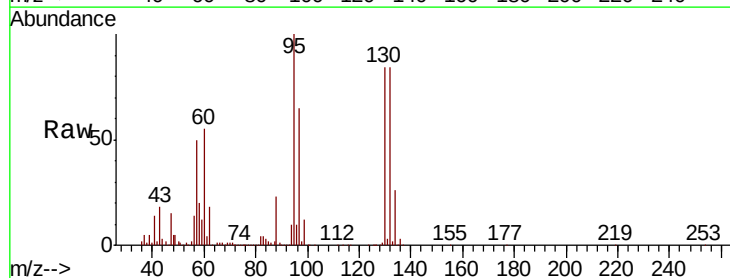
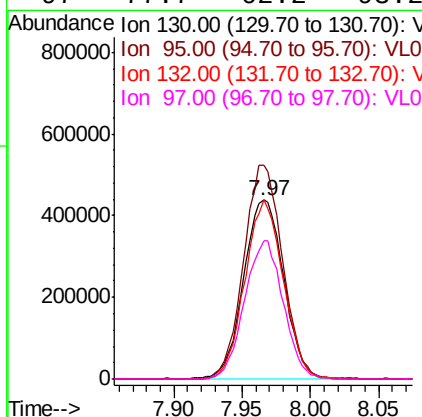
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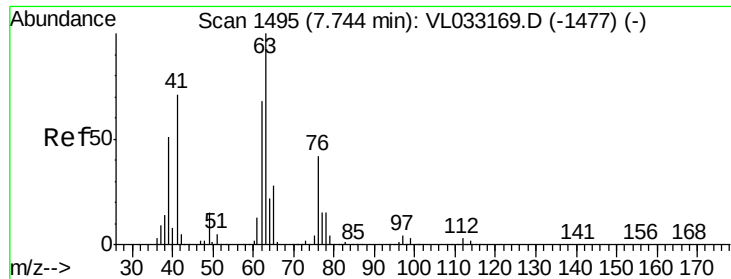
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#38
 Trichloroethene
 Concen: 7.233 ppbv
 RT: 7.97 min Scan# 1564
 Delta R.T. 0.00 min
 Lab File: VL033169.D
 Acq: 6 Feb 2019 1:51

Tgt Ion: 130 Resp: 887756
 Ion Ratio Lower Upper
 130 100
 95 119.4 95.5 143.3
 132 100.0 80.0 120.0
 97 77.7 62.2 93.2





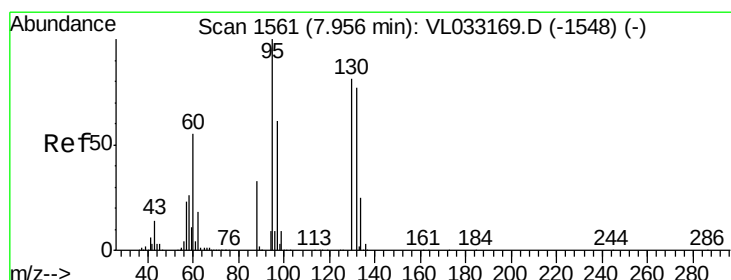
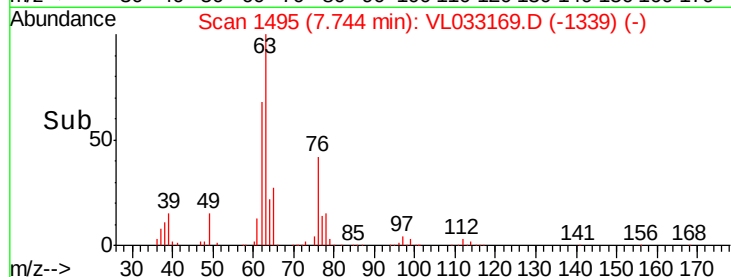
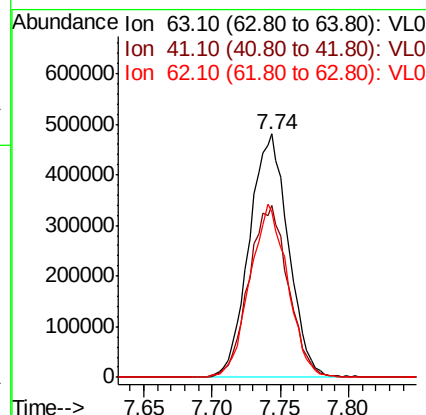
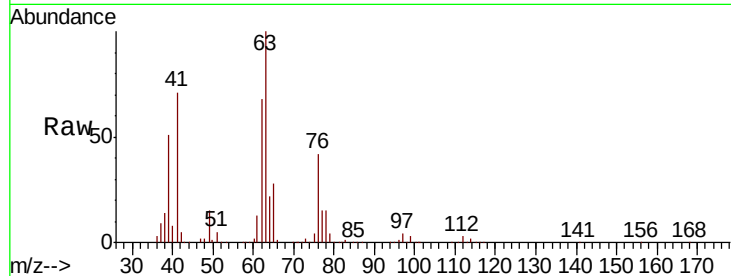
#39
 1,2-Dichloropropane
 Concen: 8.452 ppbv
 RT: 7.74 min Scan# 1495
 Delta R.T. 0.00 min
 Lab File: VL033169.D
 Acq: 6 Feb 2019 1:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion	Ratio	Lower	Upper
63	100		
41	70.5	56.4	84.6
62	67.8	54.2	81.4

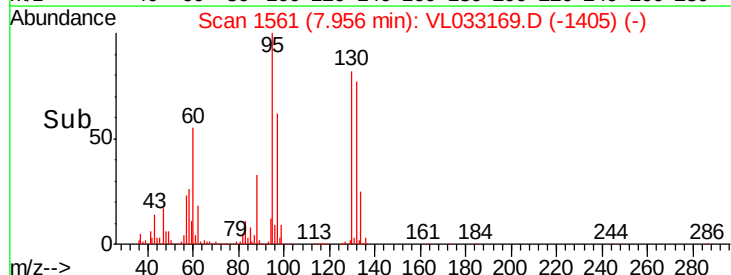
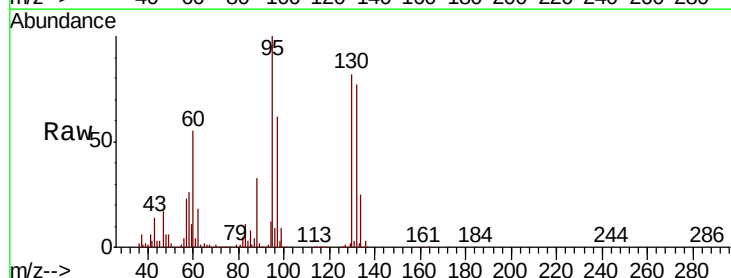
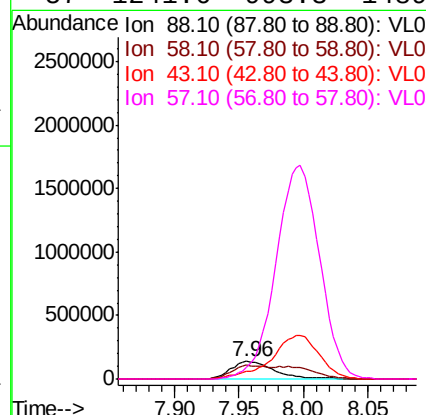
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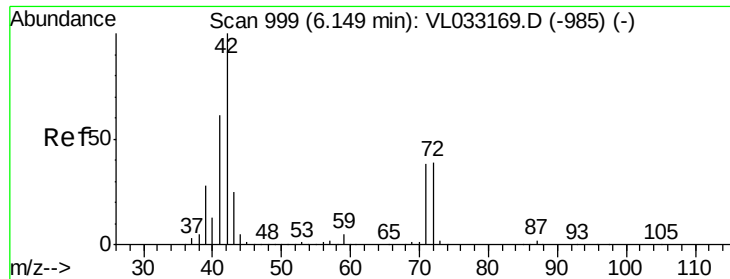
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#40
 1,4-Dioxane
 Concen: 7.801 ppbv
 RT: 7.96 min Scan# 1561
 Delta R.T. 0.00 min
 Lab File: VL033169.D
 Acq: 6 Feb 2019 1:51

Tgt Ion	Ratio	Lower	Upper
88	100		
58	133.0	106.4	159.6
43	274.5	219.6	329.4
57	1241.6	993.3	1489.9





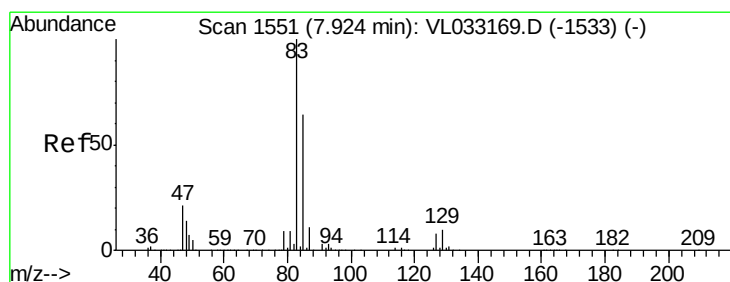
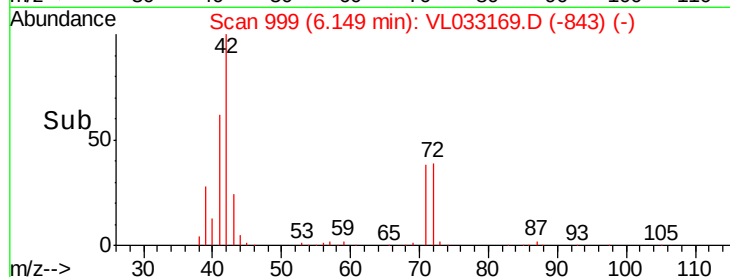
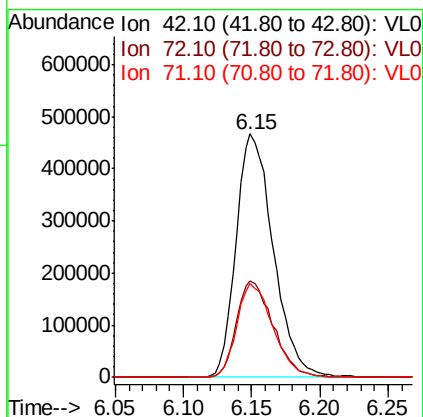
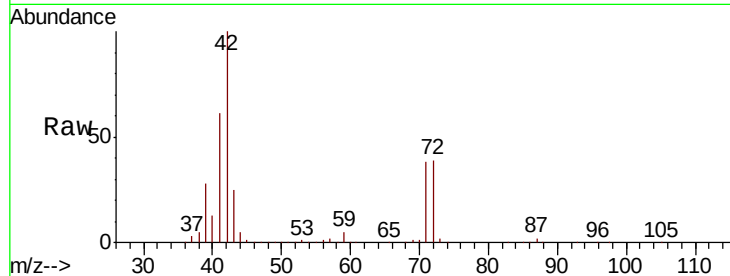
#41
Tetrahydrofuran
Concen: 7.946 ppbv
RT: 6.15 min Scan# 999
Delta R.T. 0.00 min
Lab File: VL033169.D
Acq: 6 Feb 2019 1:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion	Ratio	Lower	Upper
42	100		
72	39.3	31.4	47.2
71	37.7	30.2	45.2

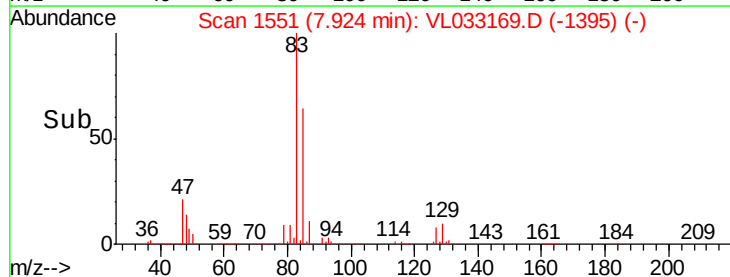
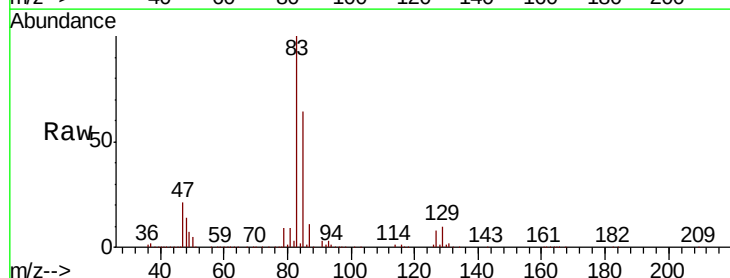
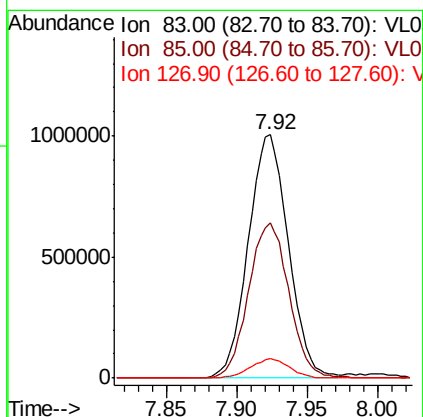
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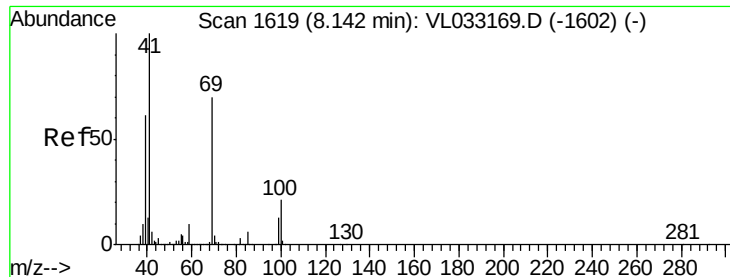
MMDadoda
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#42
Bromodichloromethane
Concen: 8.690 ppbv
RT: 7.92 min Scan# 1551
Delta R.T. 0.00 min
Lab File: VL033169.D
Acq: 6 Feb 2019 1:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.1	76.7
127	8.0	6.4	9.6





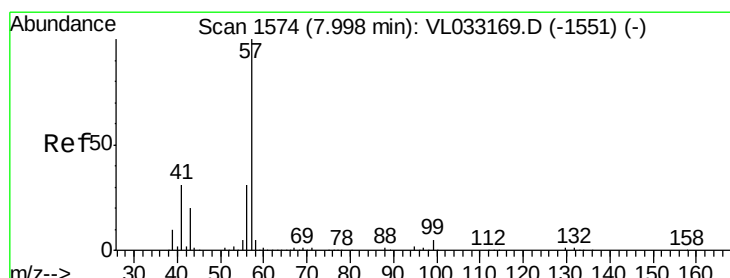
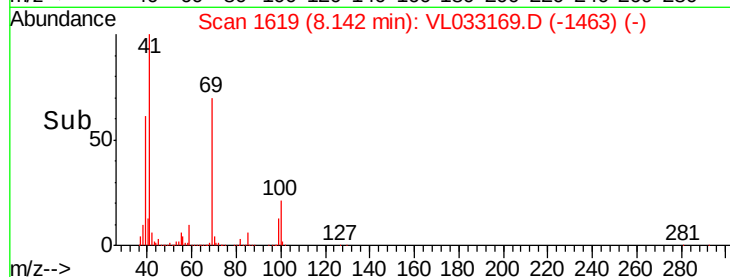
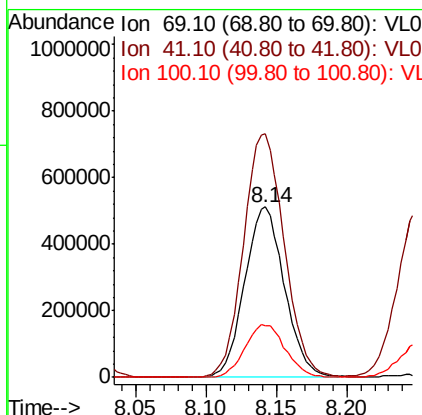
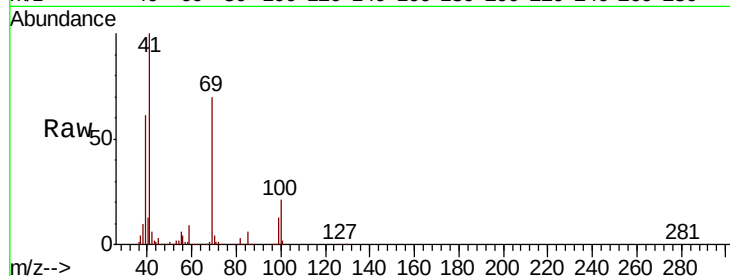
#43
Methyl Methacrylate
Concen: 8.781 ppbv
RT: 8.14 min Scan# 1619
Delta R.T. 0.00 min
Lab File: VL033169.D
Acq: 6 Feb 2019 1:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 69 Resp: 1010427
Ion Ratio Lower Upper
69 100
41 146.4 117.1 175.7
100 31.3 25.0 37.6

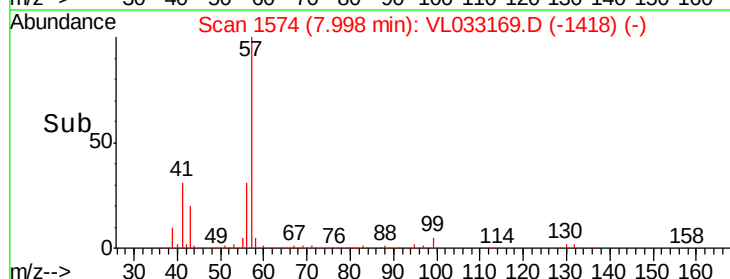
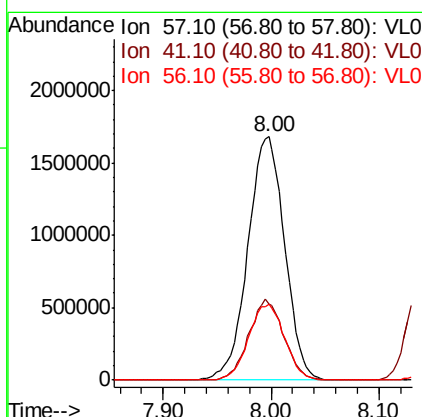
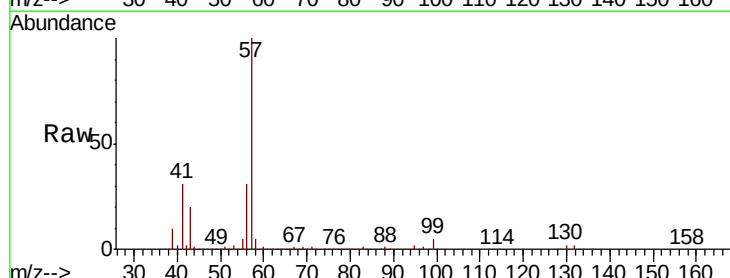
Manual Integrations
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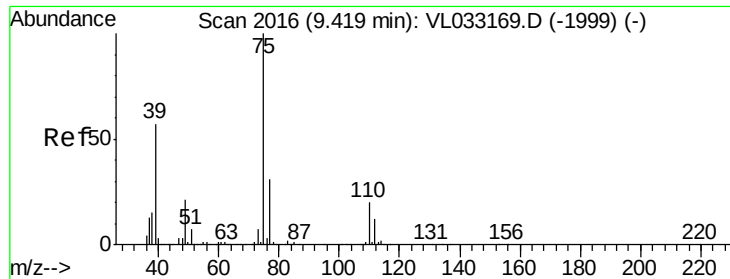
MMDadoda
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#44
2,2,4-Trimethylpentane
Concen: 8.193 ppbv
RT: 8.00 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VL033169.D
Acq: 6 Feb 2019 1:51

Tgt Ion: 57 Resp: 3979303
Ion Ratio Lower Upper
57 100
41 31.5 25.2 37.8
56 30.6 24.5 36.7





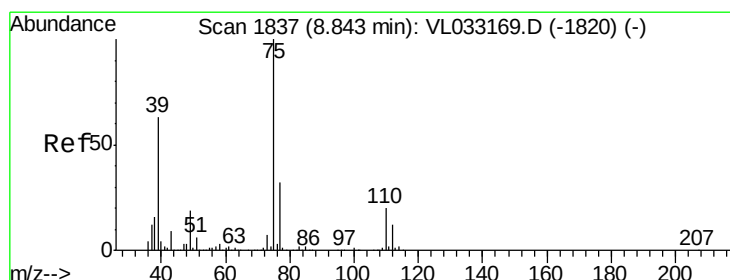
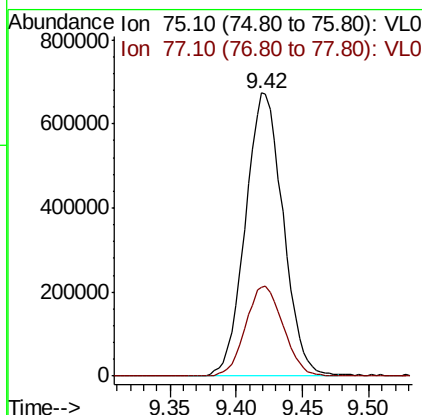
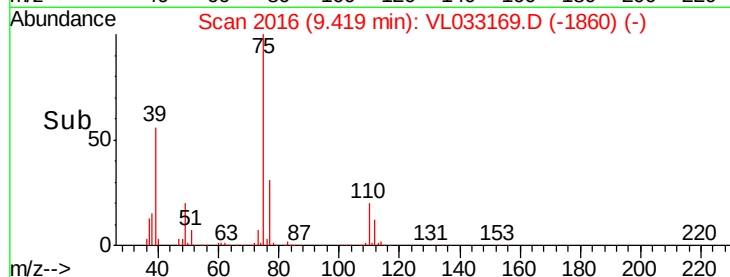
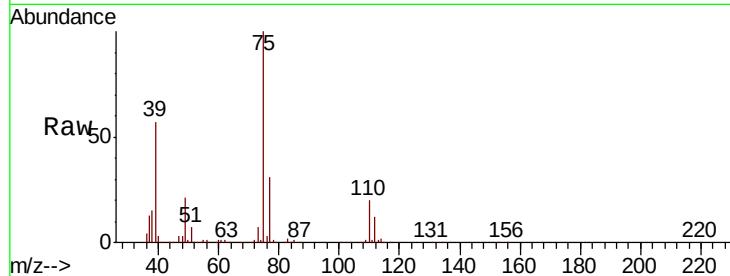
#45
t-1,3-Dichloropropene
Concen: 10.406 ppbv
RT: 9.42 min Scan# 2016
Delta R.T. 0.00 min
Lab File: VL033169.D
Acq: 6 Feb 2019 1:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 75 Resp: 1330266
Ion Ratio Lower Upper
75 100
77 31.2 25.0 37.4

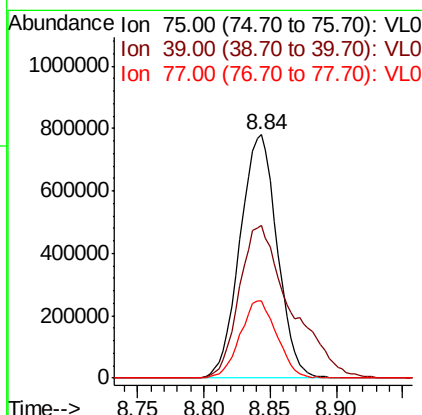
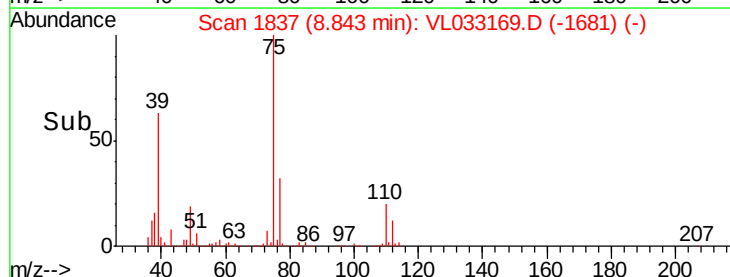
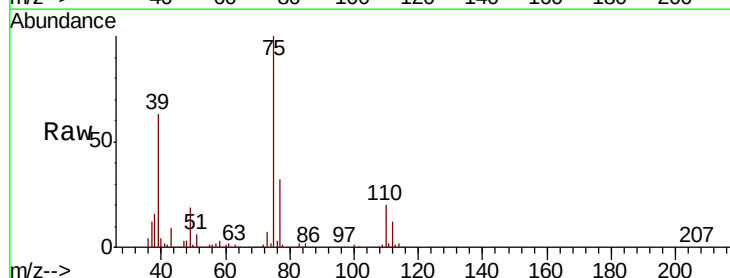
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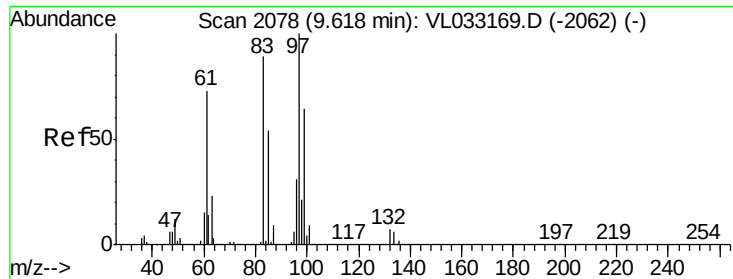
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#46
cis-1,3-Dichloropropene
Concen: 9.371 ppbv
RT: 8.84 min Scan# 1837
Delta R.T. 0.00 min
Lab File: VL033169.D
Acq: 6 Feb 2019 1:51

Tgt Ion: 75 Resp: 1525912
Ion Ratio Lower Upper
75 100
39 62.6 50.1 75.1
77 31.8 25.4 38.2





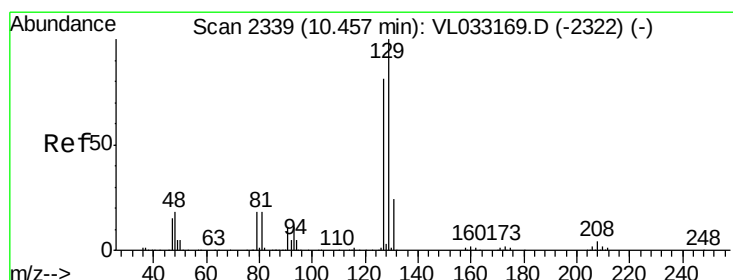
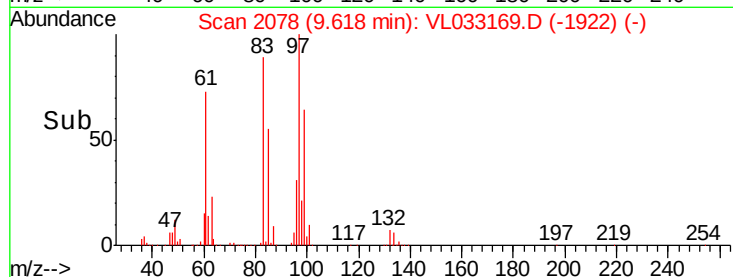
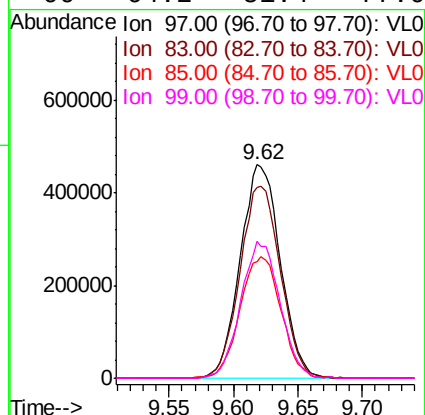
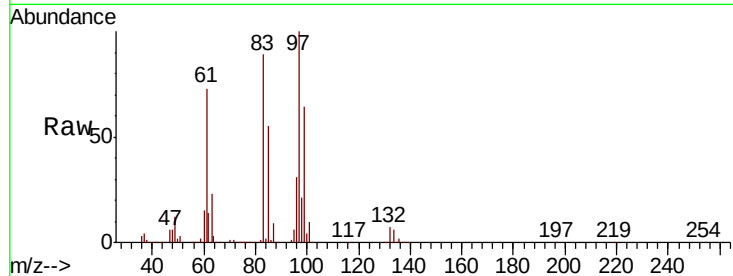
#47
 1,1,2-Trichloroethane
 Concen: 8.509 ppbv
 RT: 9.62 min Scan# 2078
 Delta R.T. 0.00 min
 Lab File: VL033169.D
 Acq: 6 Feb 2019 1:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.3	71.4	107.2
85	54.4	43.5	65.3
99	64.2	51.4	77.0

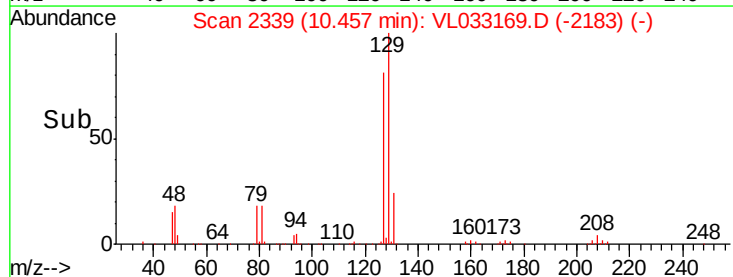
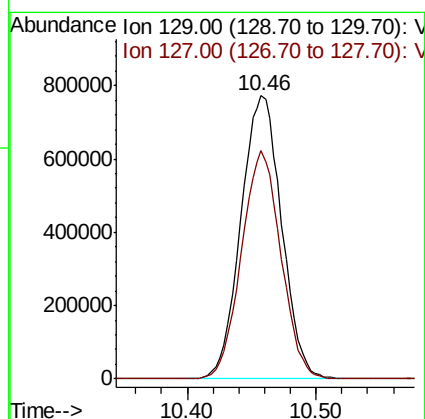
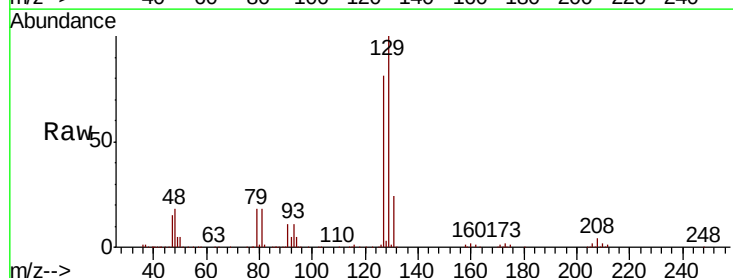
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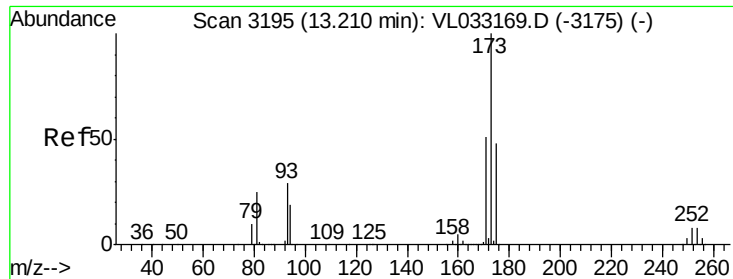
MMDadoda
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#48
 Dibromochloromethane
 Concen: 9.167 ppbv
 RT: 10.46 min Scan# 2339
 Delta R.T. 0.00 min
 Lab File: VL033169.D
 Acq: 6 Feb 2019 1:51

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.2	39.1	117.3





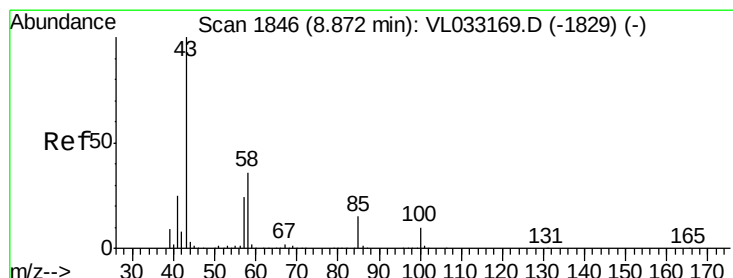
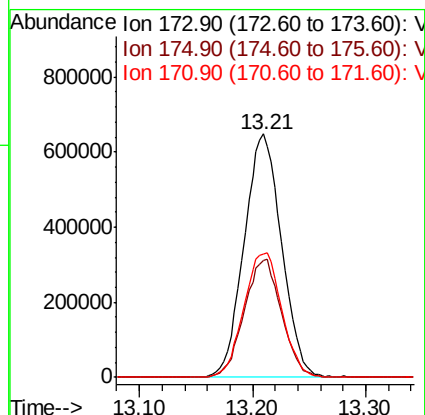
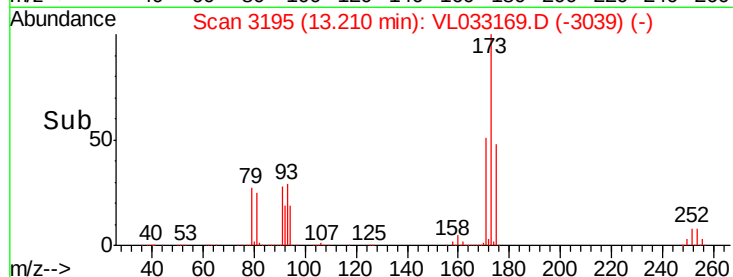
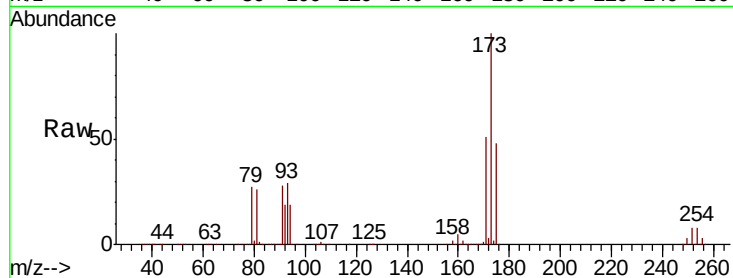
#49
Bromoform
Concen: 9.358 ppbv
RT: 13.21 min Scan# 3195
Delta R.T. 0.00 min
Lab File: VL033169.D
Acq: 6 Feb 2019 1:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 173 Resp: 1488946
Ion Ratio Lower Upper
173 100
175 48.3 38.6 58.0
171 52.0 41.6 62.4

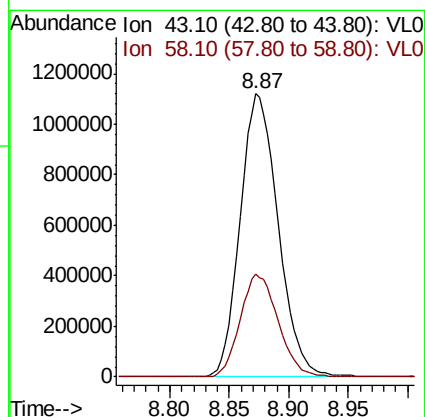
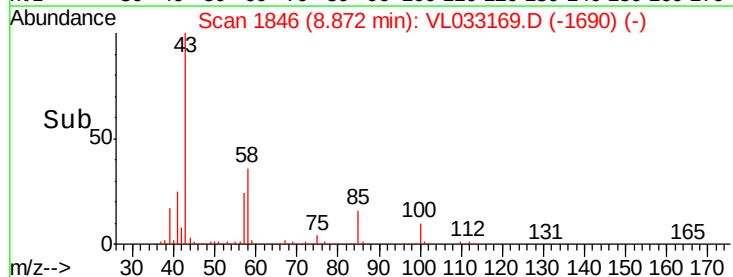
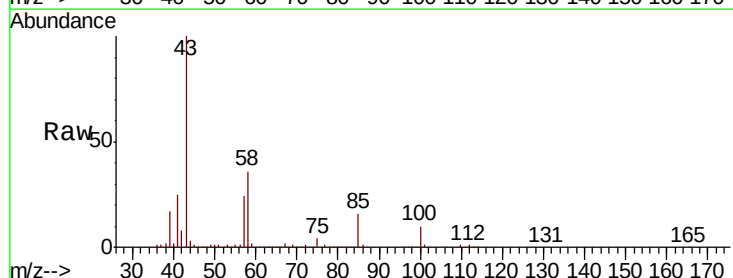
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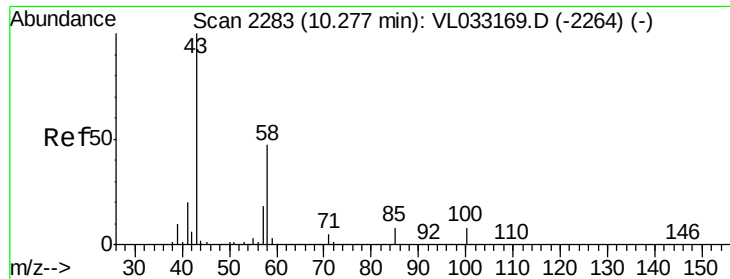
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#50
4-Methyl-2-Pentanone
Concen: 8.604 ppbv
RT: 8.87 min Scan# 1846
Delta R.T. 0.00 min
Lab File: VL033169.D
Acq: 6 Feb 2019 1:51

Tgt Ion: 43 Resp: 2475095
Ion Ratio Lower Upper
43 100
58 36.3 29.0 43.6





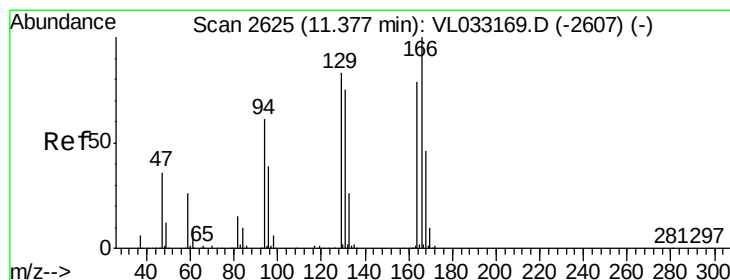
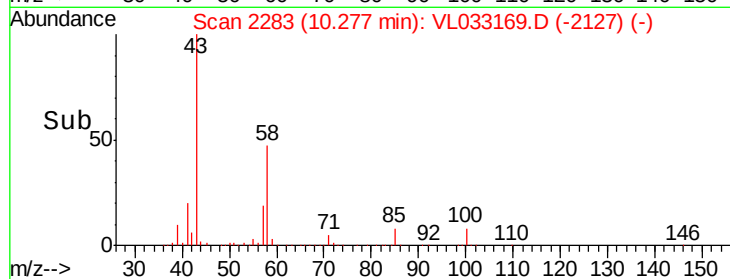
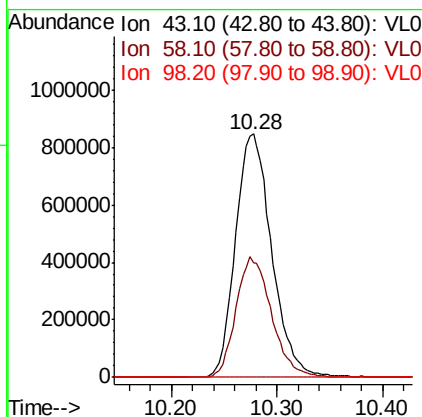
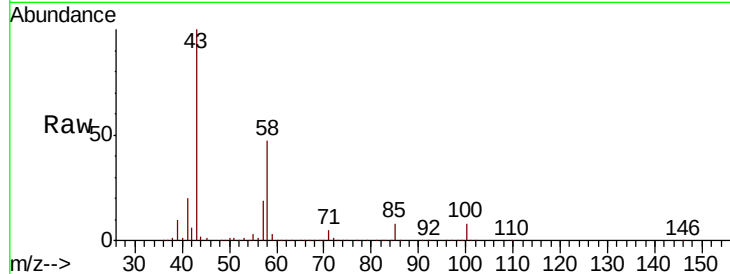
#51
2-Hexanone
Concen: 8.881 ppbv
RT: 10.28 min Scan# 2283
Delta R.T. 0.00 min
Lab File: VL033169.D
Acq: 6 Feb 2019 1:51

Instrument :
MSVOA_L
ClientSampled :
VSTDICCC010

Tgt Ion: 43 Resp: 2014253
Ion Ratio Lower Upper
43 100
58 48.8 39.0 58.6
98 0.1 0.1 0.1#

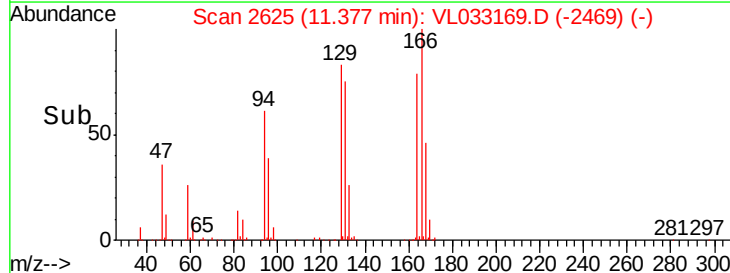
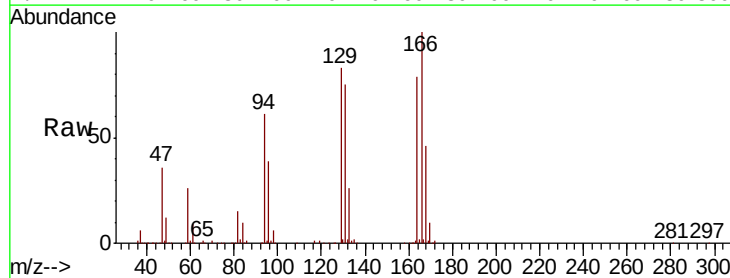
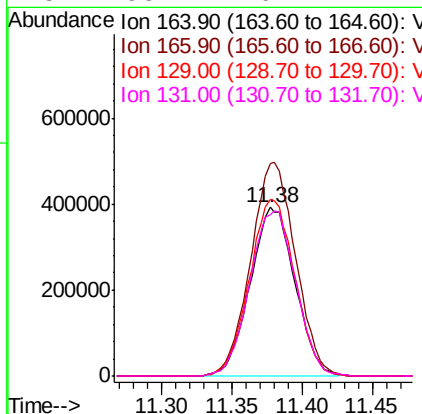
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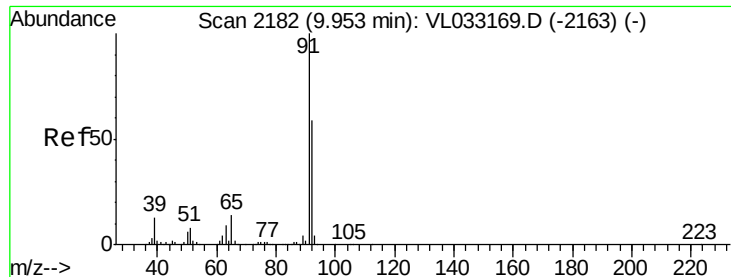
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#52
Tetrachloroethene
Concen: 7.892 ppbv
RT: 11.38 min Scan# 2625
Delta R.T. 0.00 min
Lab File: VL033169.D
Acq: 6 Feb 2019 1:51

Tgt Ion: 164 Resp: 868988
Ion Ratio Lower Upper
164 100
166 126.1 100.9 151.3
129 104.9 83.9 125.9
131 95.2 76.2 114.2





#53

Toluene

Concen: 8.568 ppbv

RT: 9.95 min Scan# 2182

Delta R.T. 0.00 min

Lab File: VL033169.D

Acq: 6 Feb 2019 1:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 91 Resp: 2908084

Ion Ratio Lower Upper

91 100

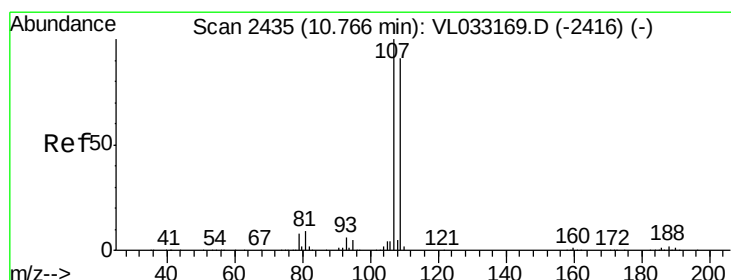
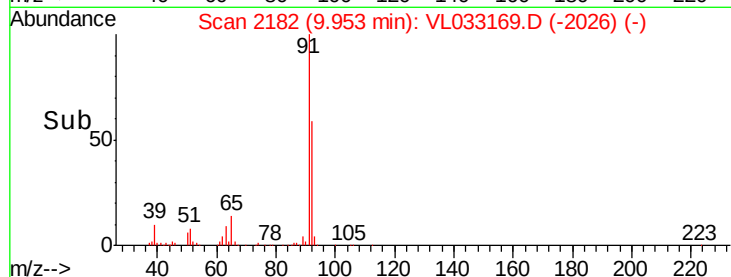
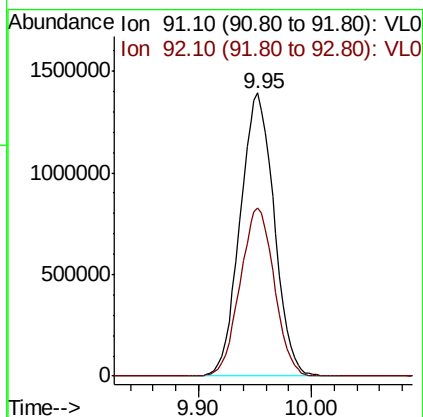
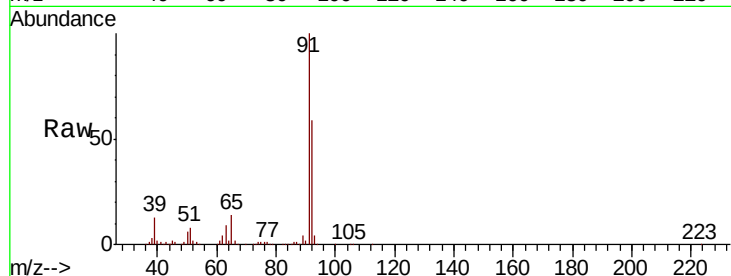
92 60.0 48.0 72.0

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#54

1,2-Dibromoethane

Concen: 8.604 ppbv

RT: 10.77 min Scan# 2435

Delta R.T. 0.00 min

Lab File: VL033169.D

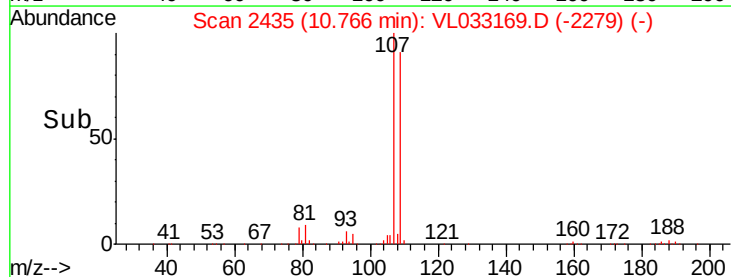
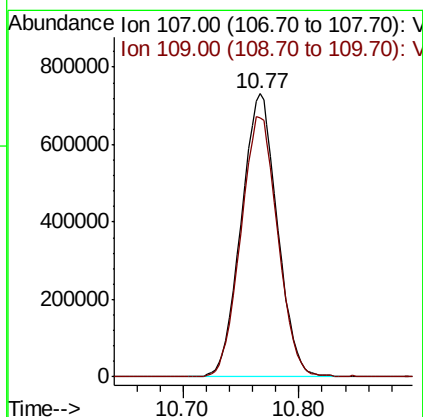
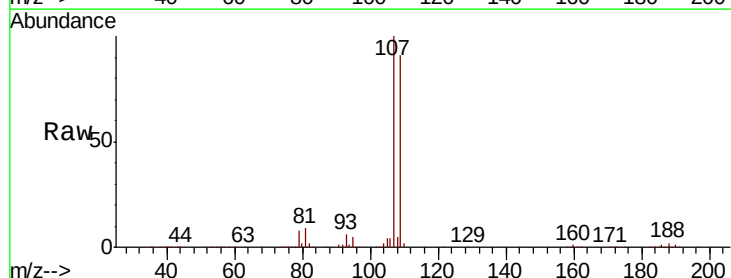
Acq: 6 Feb 2019 1:51

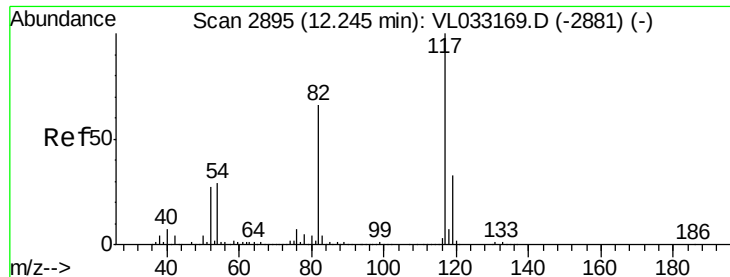
Tgt Ion: 107 Resp: 1584867

Ion Ratio Lower Upper

107 100

109 91.5 73.2 109.8





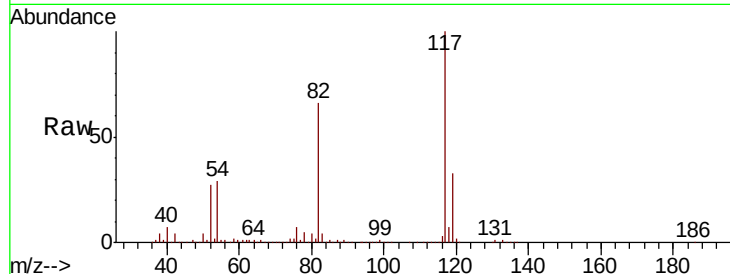
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.25 min Scan# 2895
Delta R.T. 0.00 min
Lab File: VL033169.D
Acq: 6 Feb 2019 1:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

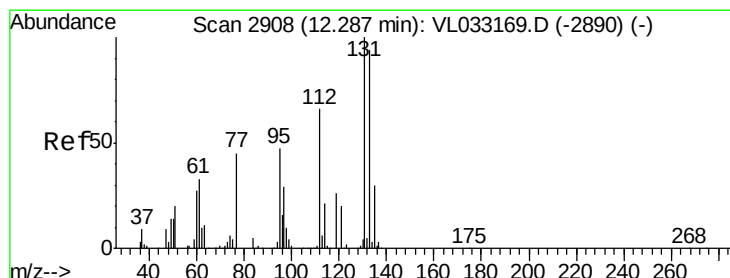
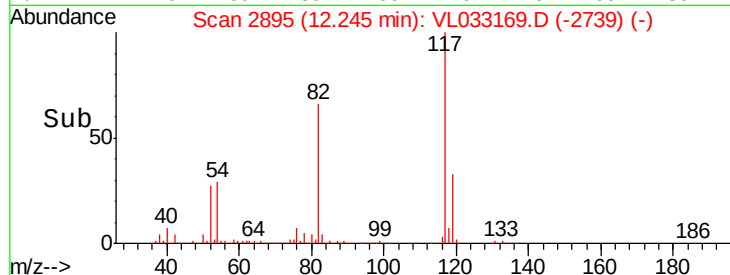
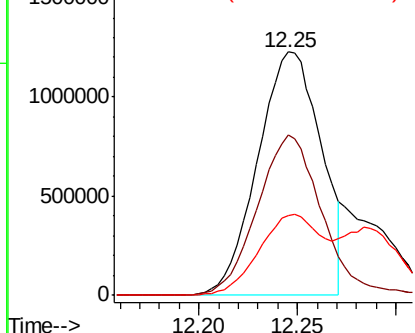
Tgt Ion:117 Resp: 2764121
Ion Ratio Lower Upper
117 100
82 67.2 53.8 80.8
119 58.5 46.9 70.3

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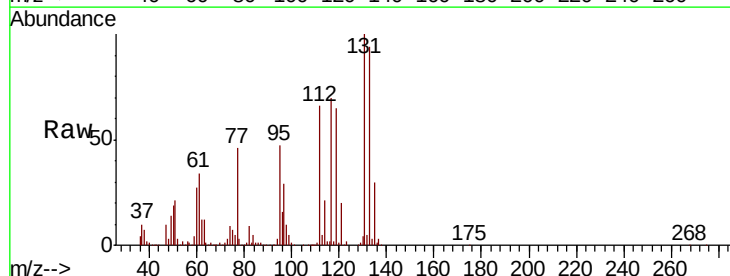


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

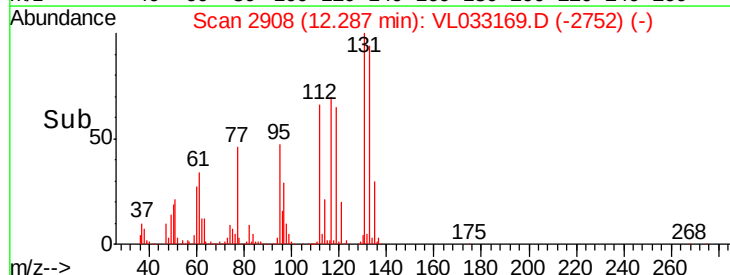
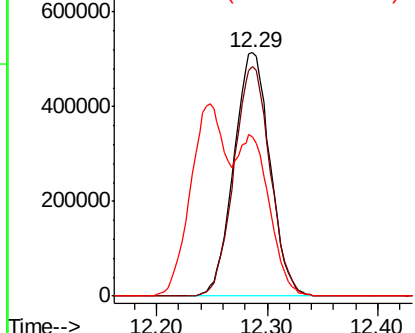


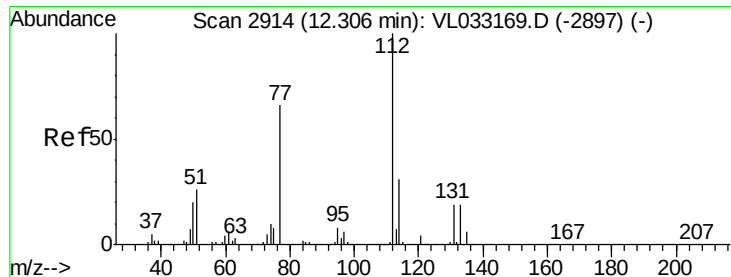
#56
1,1,1,2-Tetrachloroethane
Concen: 9.069 ppbv
RT: 12.29 min Scan# 2908
Delta R.T. 0.00 min
Lab File: VL033169.D
Acq: 6 Feb 2019 1:51

Tgt Ion:131 Resp: 1167690
Ion Ratio Lower Upper
131 100
133 94.7 75.8 113.6
119 60.1 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





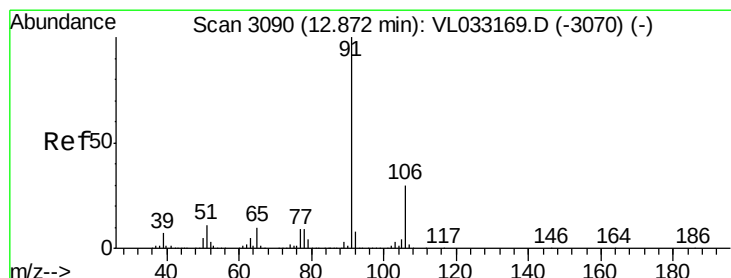
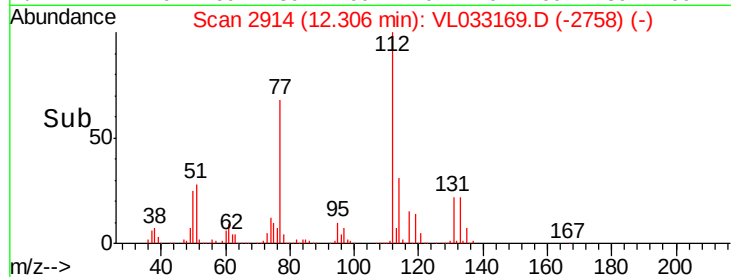
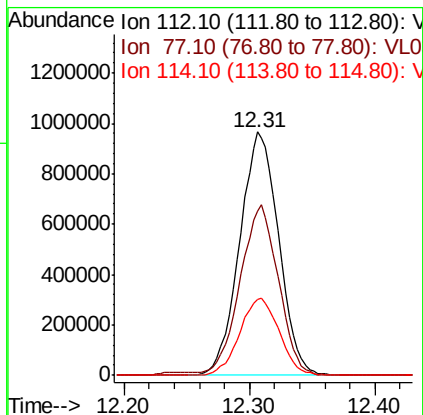
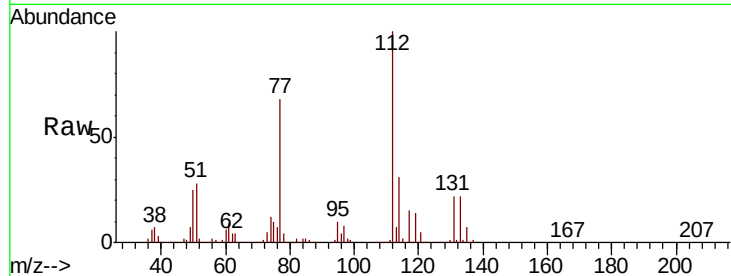
#57
Chlorobenzene
Concen: 8.525 ppbv
RT: 12.31 min Scan# 2914
Delta R.T. 0.00 min
Lab File: VL033169.D
Acq: 6 Feb 2019 1:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 112 Resp: 2086031
Ion Ratio Lower Upper
112 100
77 67.5 54.0 81.0
114 31.0 27.9 34.1

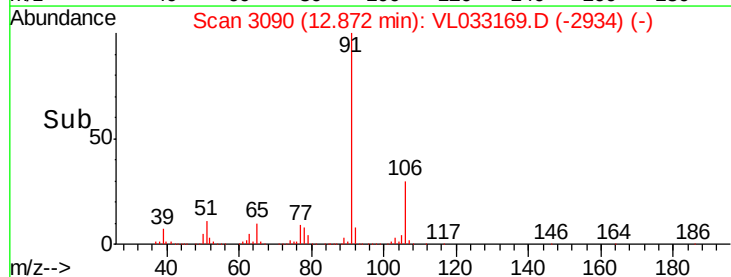
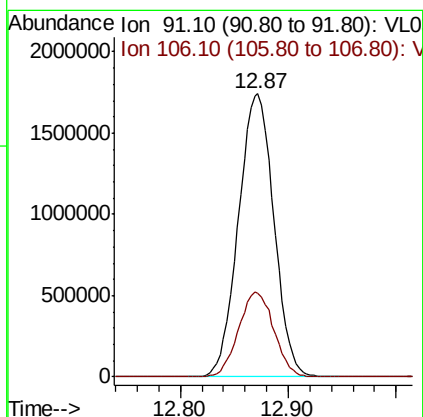
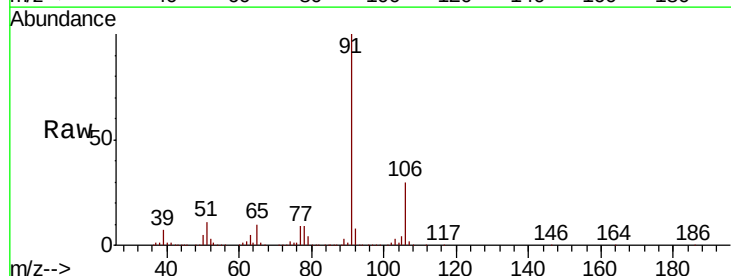
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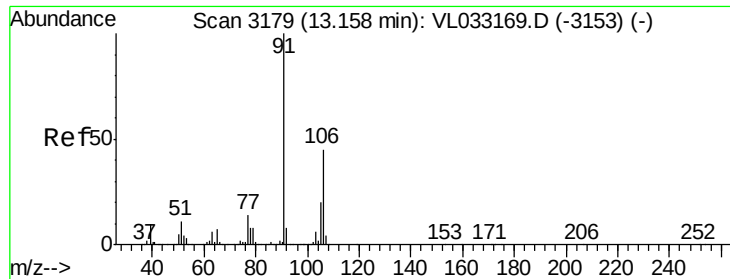
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#58
Ethyl Benzene
Concen: 8.757 ppbv
RT: 12.87 min Scan# 3090
Delta R.T. 0.00 min
Lab File: VL033169.D
Acq: 6 Feb 2019 1:51

Tgt Ion: 91 Resp: 3973995
Ion Ratio Lower Upper
91 100
106 29.8 23.8 35.8





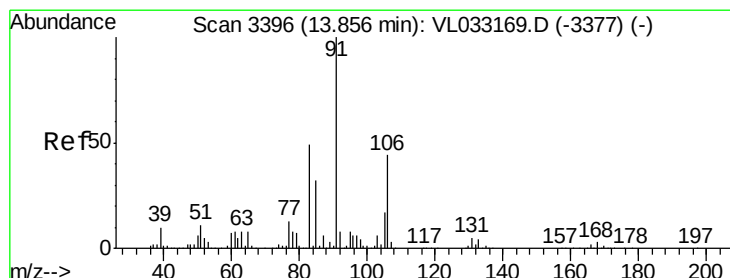
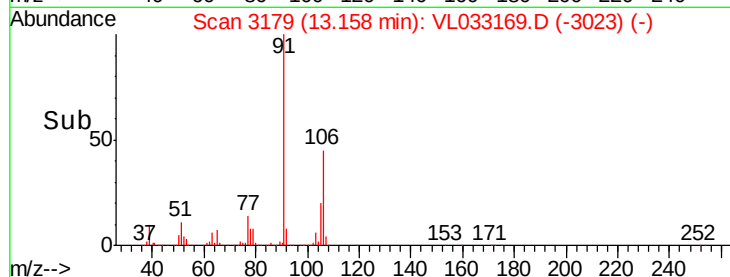
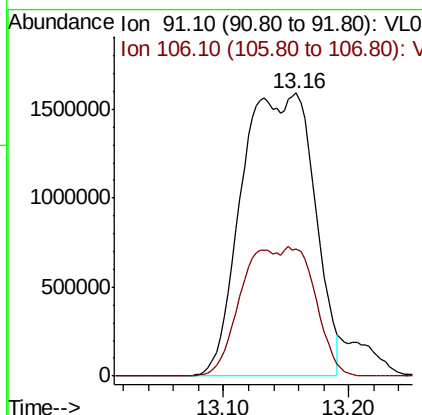
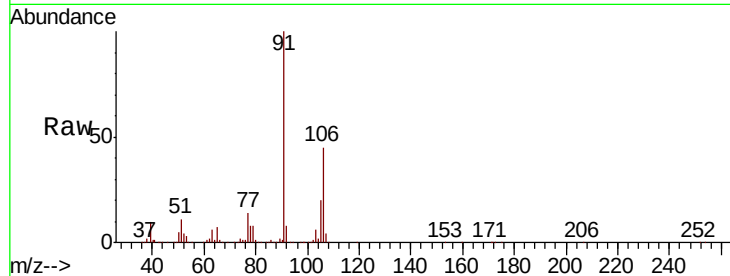
#59
m/p-Xylene
Concen: 16.927 ppbv m
RT: 13.16 min Scan# 3179
Delta R.T. 0.00 min
Lab File: VL033169.D
Acq: 6 Feb 2019 1:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 91 Resp: 6389463
Ion Ratio Lower Upper
91 100
106 45.8 36.6 55.0

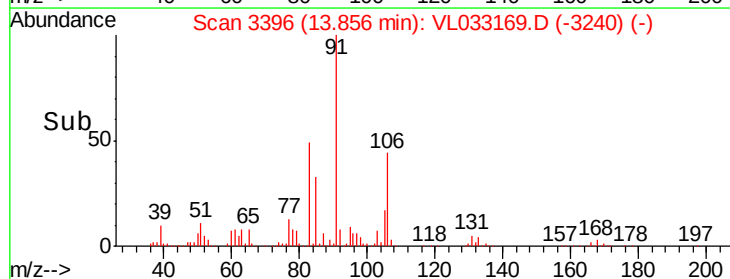
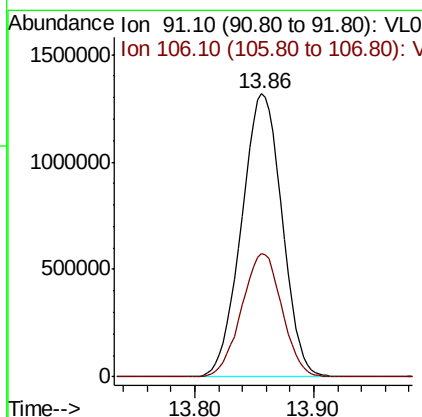
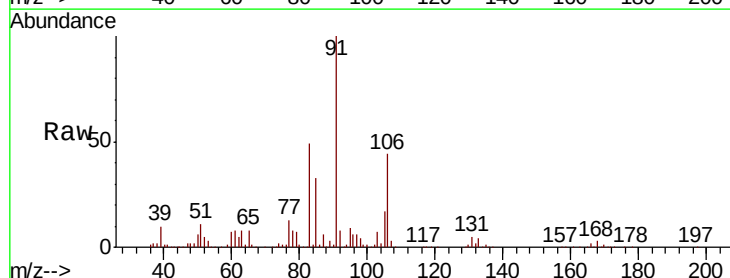
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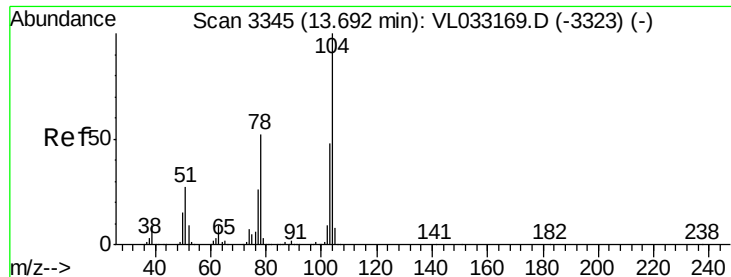
MMDadoda
2/20/2019 12:20:45 PM



#60
o-Xylene
Concen: 8.427 ppbv
RT: 13.86 min Scan# 3396
Delta R.T. 0.00 min
Lab File: VL033169.D
Acq: 6 Feb 2019 1:51

Tgt Ion: 91 Resp: 3101743
Ion Ratio Lower Upper
91 100
106 43.5 21.8 65.3





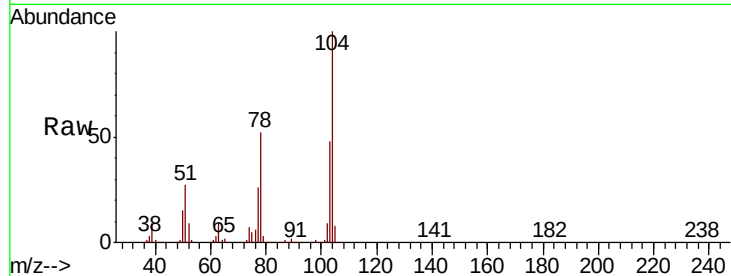
#61
Styrene
Concen: 8.933 ppbv
RT: 13.69 min Scan# 3345
Delta R.T. 0.00 min
Lab File: VL033169.D
Acq: 6 Feb 2019 1:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

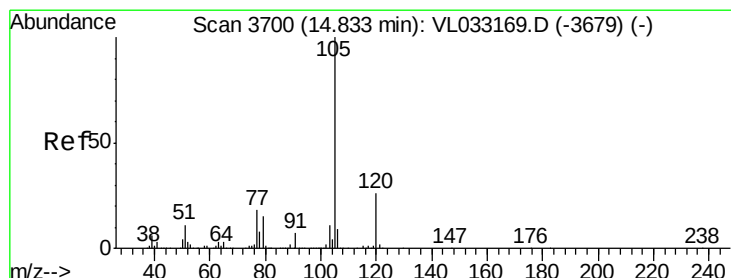
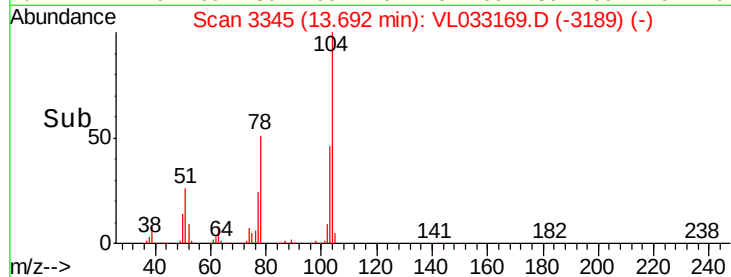
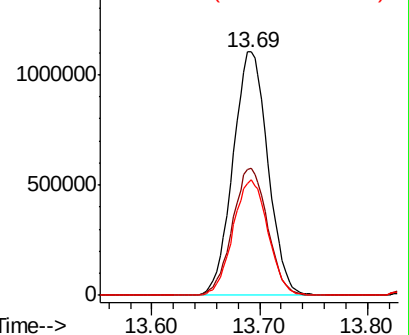
Tgt Ion	Ratio	Lower	Upper
104	100		
78	52.4	41.9	62.9
103	47.4	37.9	56.9

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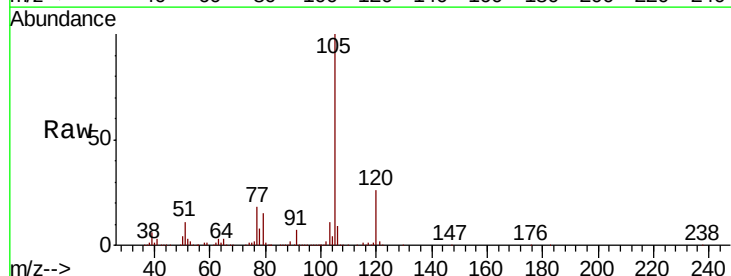


Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VL0
Ion 103.10 (102.80 to 103.80): V

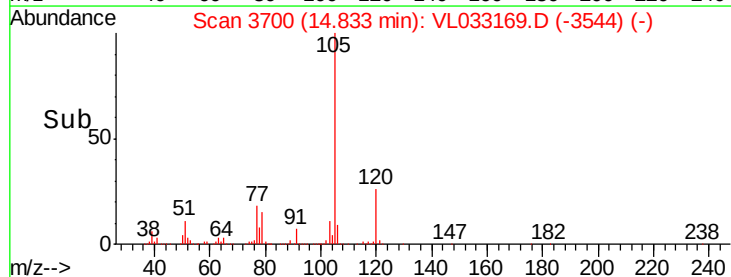
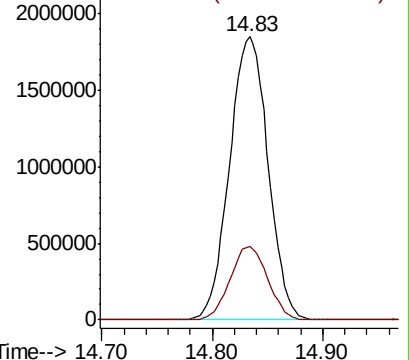


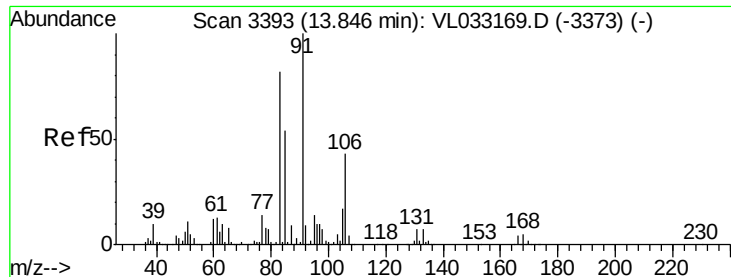
#62
Isopropylbenzene
Concen: 8.609 ppbv
RT: 14.83 min Scan# 3700
Delta R.T. 0.00 min
Lab File: VL033169.D
Acq: 6 Feb 2019 1:51

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.4	20.3	30.5



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





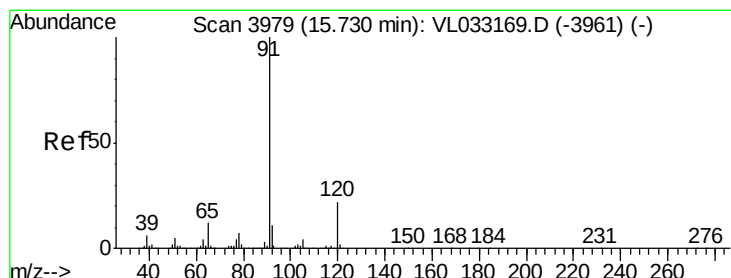
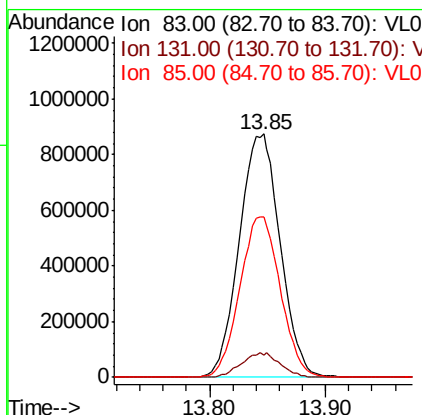
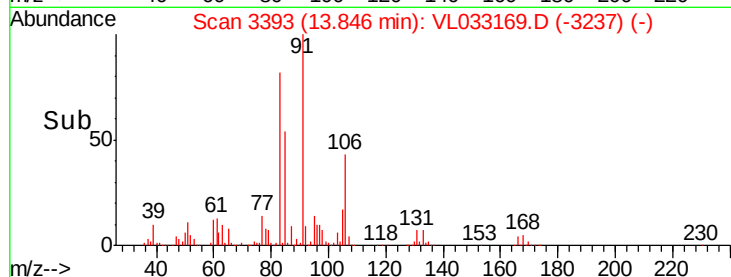
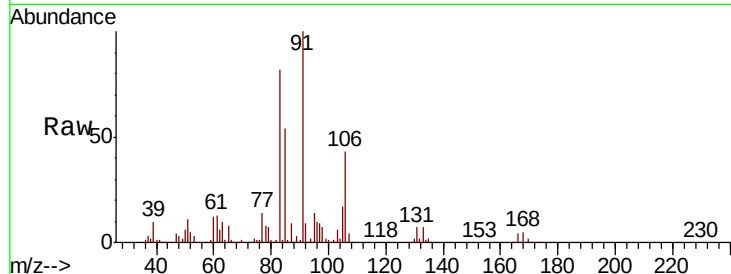
#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.439 ppbv
 RT: 13.85 min Scan# 3393
 Delta R.T. 0.00 min
 Lab File: VL033169.D
 Acq: 6 Feb 2019 1:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion: 83 Resp: 2140049
 Ion Ratio Lower Upper
 83 100
 131 9.5 4.8 14.3
 85 65.5 32.8 98.3

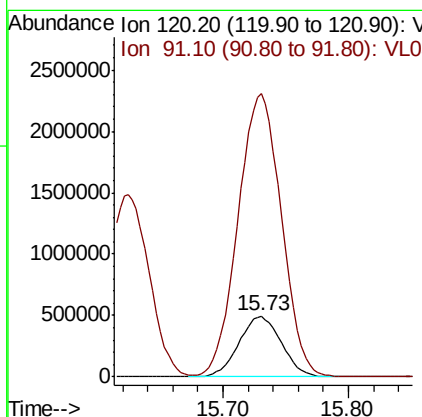
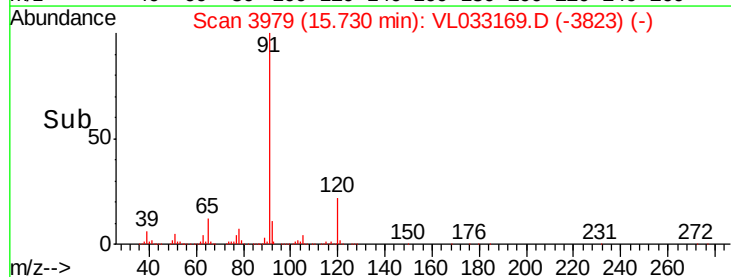
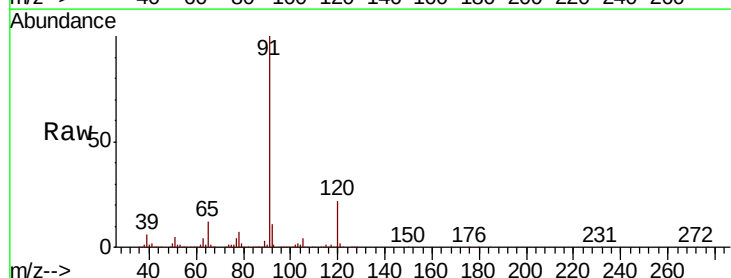
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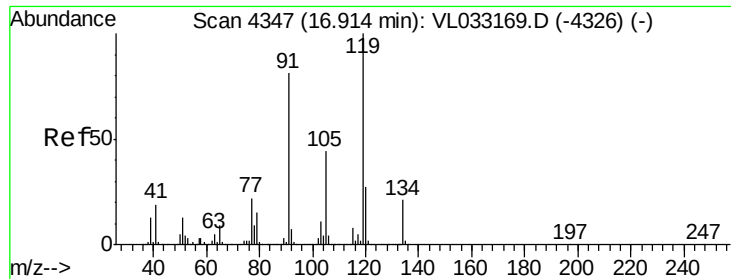
MMDadoda
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#64
 n-propylbenzene
 Concen: 8.753 ppbv
 RT: 15.73 min Scan# 3979
 Delta R.T. 0.00 min
 Lab File: VL033169.D
 Acq: 6 Feb 2019 1:51

Tgt Ion: 120 Resp: 1155655
 Ion Ratio Lower Upper
 120 100
 91 479.9 383.9 575.9





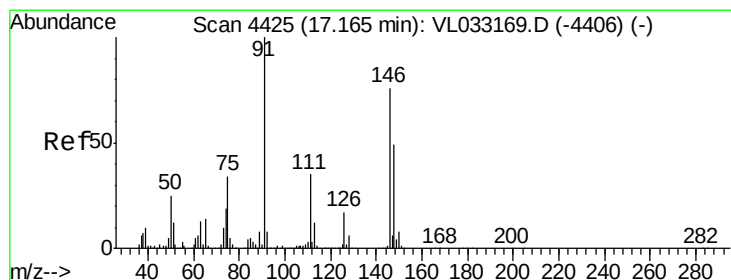
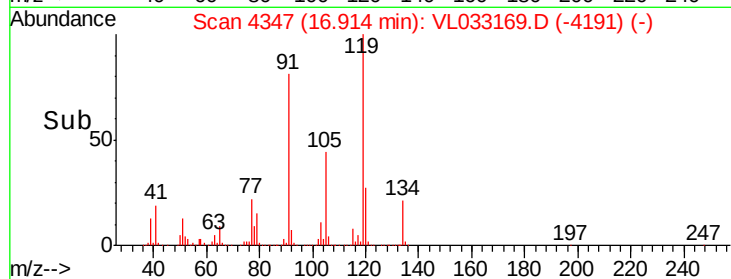
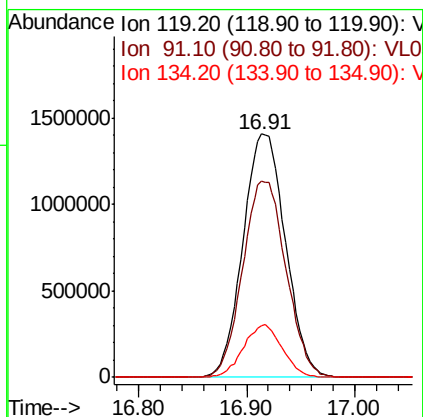
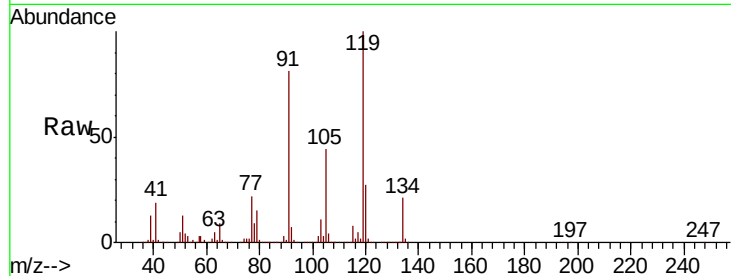
#65
 tert-Butylbenzene
 Concen: 8.541 ppbv
 RT: 16.91 min Scan# 4347
 Delta R.T. 0.00 min
 Lab File: VL033169.D
 Acq: 6 Feb 2019 1:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion: 119 Resp: 3862515
 Ion Ratio Lower Upper
 119 100
 91 82.0 65.6 98.4
 134 19.8 15.8 23.8

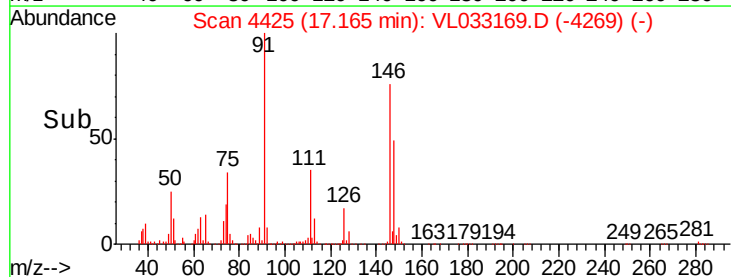
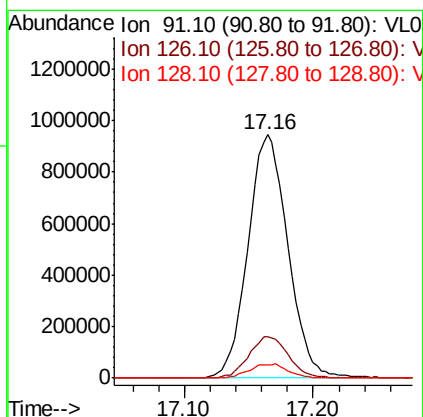
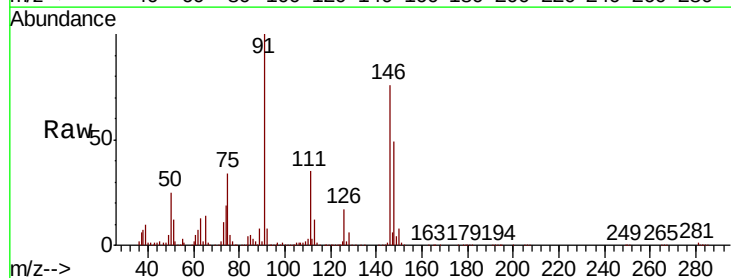
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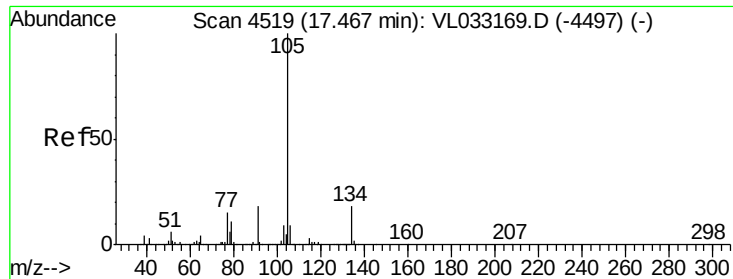
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#66
 Benzyl Chloride
 Concen: 12.562 ppbv
 RT: 17.16 min Scan# 4425
 Delta R.T. 0.00 min
 Lab File: VL033169.D
 Acq: 6 Feb 2019 1:51

Tgt Ion: 91 Resp: 2030207
 Ion Ratio Lower Upper
 91 100
 126 17.2 13.8 20.6
 128 5.6 4.5 6.7





#67

sec-Butylbenzene

Concen: 8.516 ppbv

RT: 17.47 min Scan# 4519

Delta R.T. 0.00 min

Lab File: VL033169.D

Acq: 6 Feb 2019 1:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 105 Resp: 5590525

Ion Ratio Lower Upper

105 100

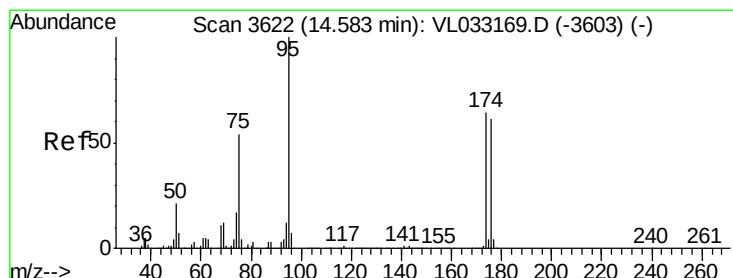
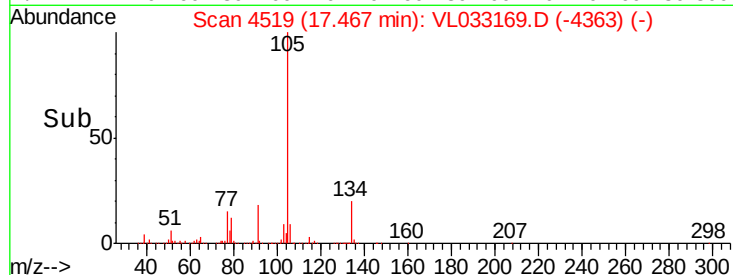
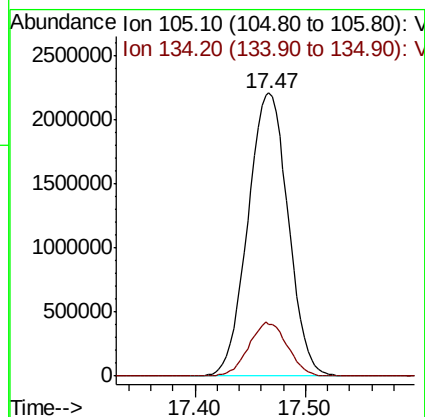
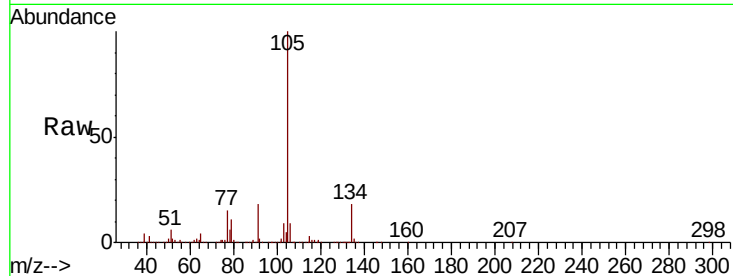
134 18.3 14.6 22.0

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#68

1-Bromo-4-Fluorobenzene

Concen: 10.270 ppbv

RT: 14.58 min Scan# 3622

Delta R.T. 0.00 min

Lab File: VL033169.D

Acq: 6 Feb 2019 1:51

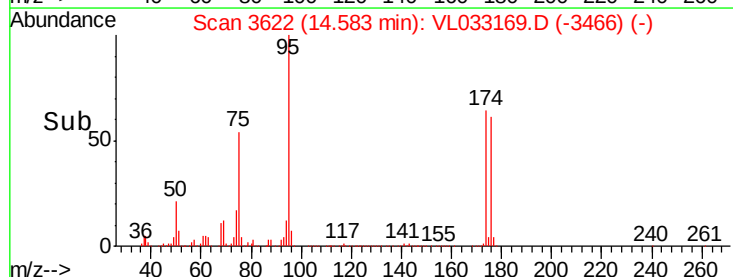
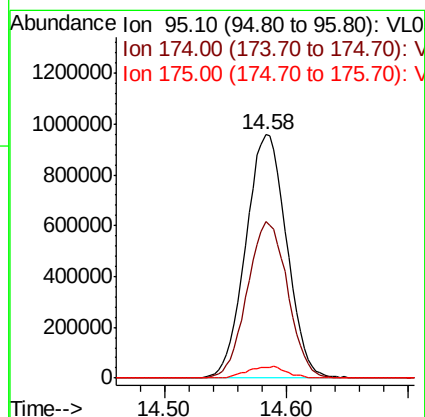
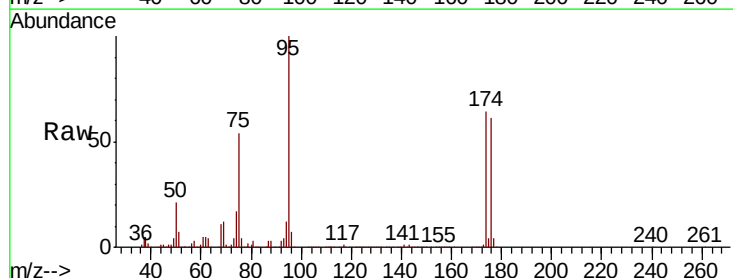
Tgt Ion: 95 Resp: 2212651

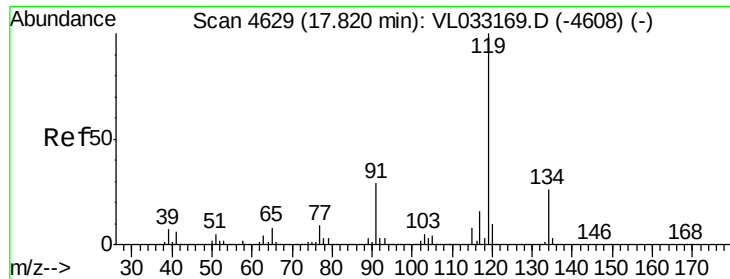
Ion Ratio Lower Upper

95 100

174 63.9 51.1 76.7

175 4.7 3.8 5.6





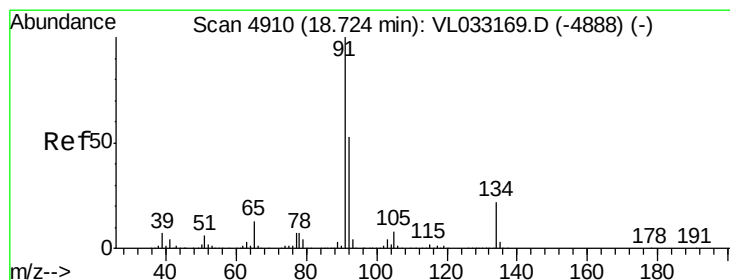
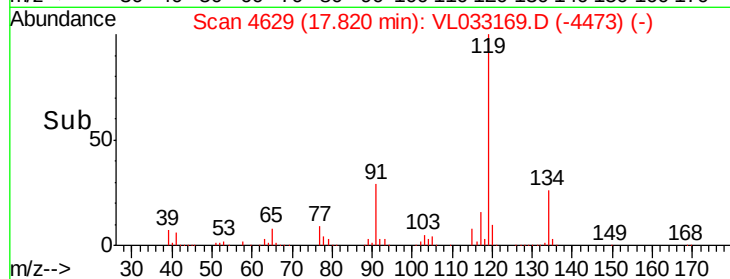
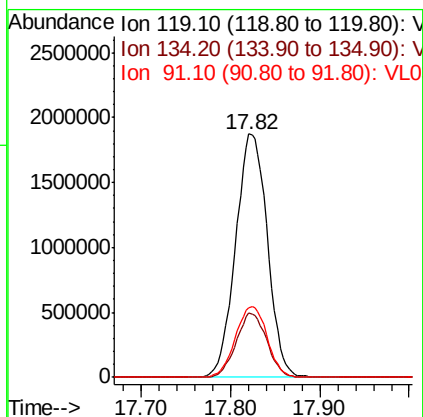
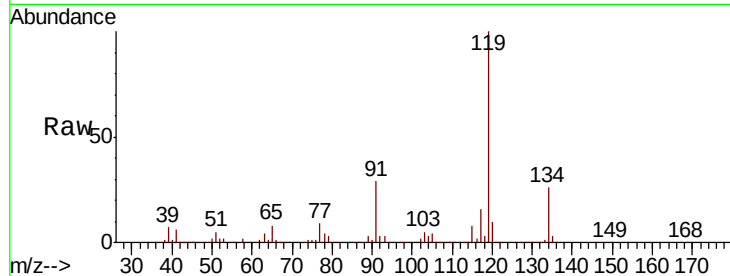
#69
p-Isopropyltoluene
Concen: 8.447 ppbv
RT: 17.82 min Scan# 4629
Delta R.T. 0.00 min
Lab File: VL033169.D
Acq: 6 Feb 2019 1:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 119 Resp: 4618017
Ion Ratio Lower Upper
119 100
134 25.5 20.4 30.6
91 29.2 23.4 35.0

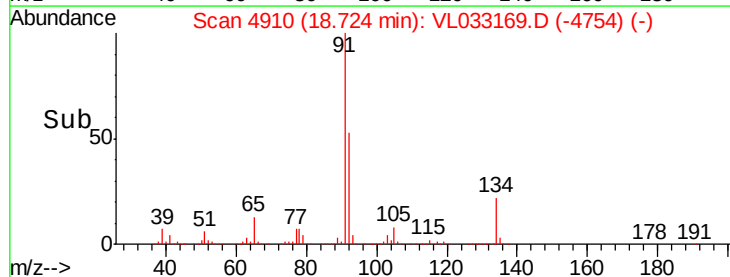
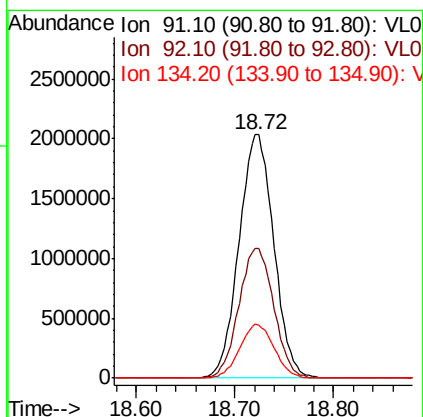
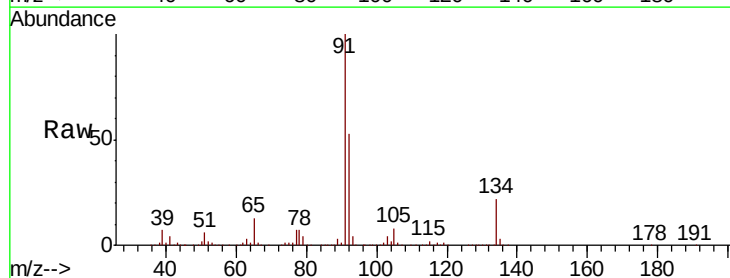
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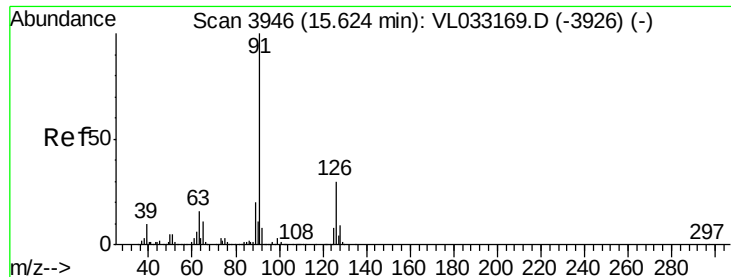
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#70
n-Butylbenzene
Concen: 8.398 ppbv
RT: 18.72 min Scan# 4910
Delta R.T. 0.00 min
Lab File: VL033169.D
Acq: 6 Feb 2019 1:51

Tgt Ion: 91 Resp: 4953683
Ion Ratio Lower Upper
91 100
92 53.7 43.0 64.4
134 21.9 17.5 26.3





#71

2-Chlorotoluene

Concen: 8.618 ppbv

RT: 15.62 min Scan# 3946

Delta R.T. 0.00 min

Lab File: VL033169.D

Acq: 6 Feb 2019 1:51

Instrument :

MSVOA_L

ClientSampled :

VSTDICCC010

Tgt Ion: 91 Resp: 3516660

Ion Ratio Lower Upper

91 100

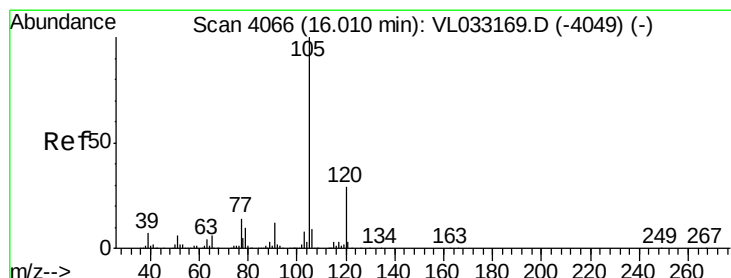
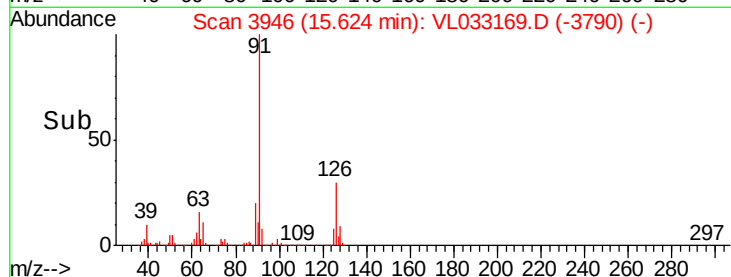
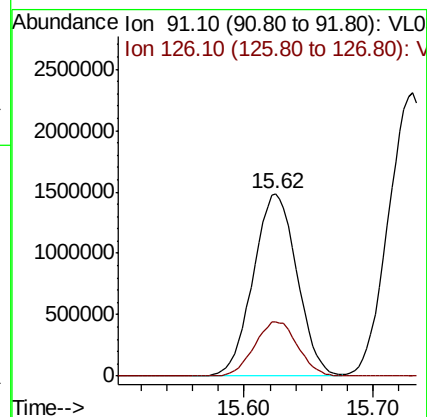
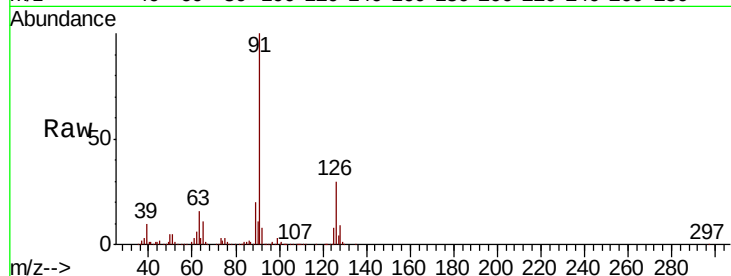
126 29.6 11.8 47.4

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#72

4-Ethyltoluene

Concen: 8.810 ppbv

RT: 16.01 min Scan# 4066

Delta R.T. 0.00 min

Lab File: VL033169.D

Acq: 6 Feb 2019 1:51

Tgt Ion: 105 Resp: 3739951

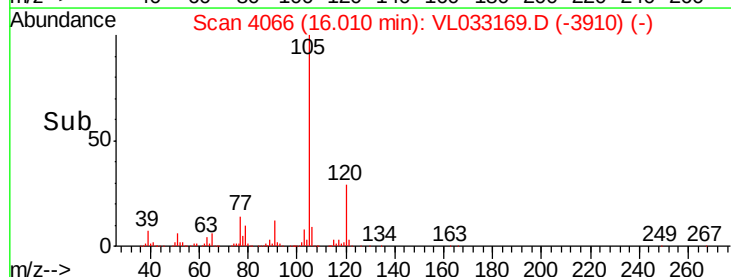
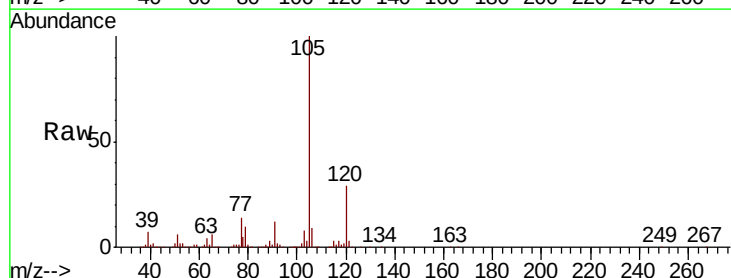
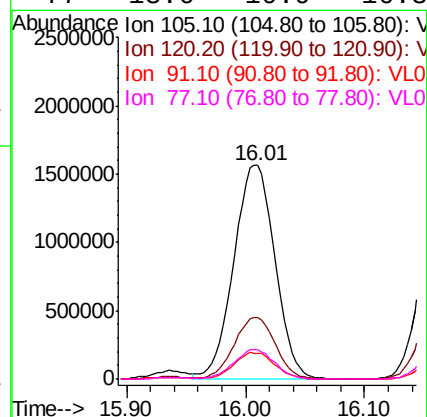
Ion Ratio Lower Upper

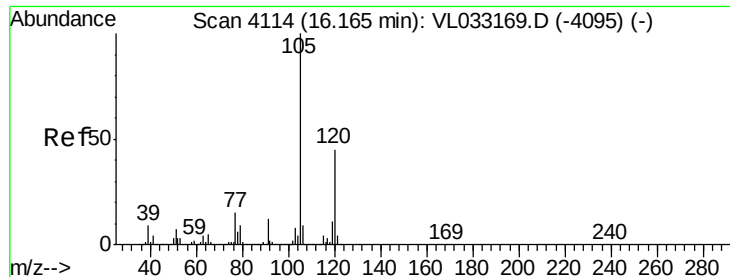
105 100

120 28.9 23.1 34.7

91 12.2 9.8 14.6

77 13.6 10.9 16.3





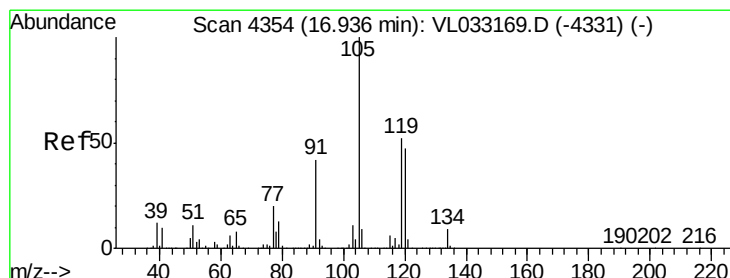
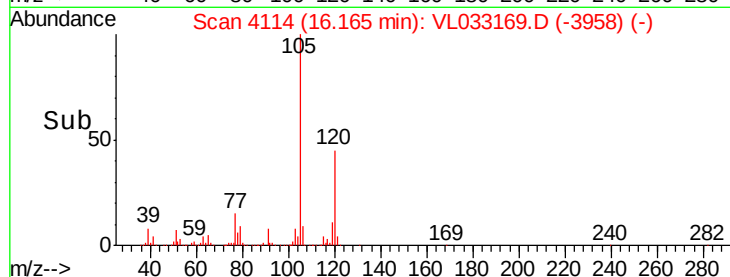
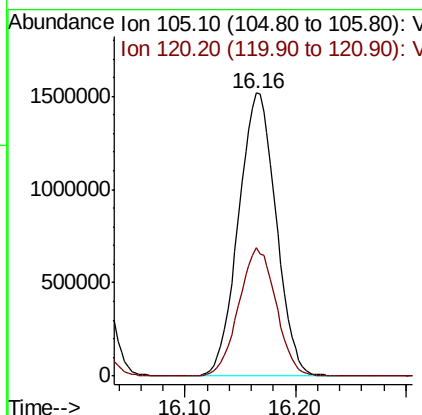
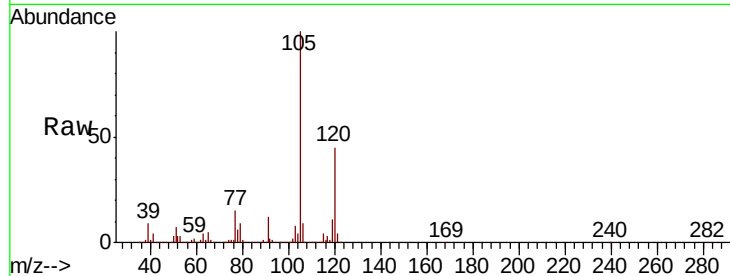
#73
 1,3,5-Trimethylbenzene
 Concen: 8.784 ppbv
 RT: 16.16 min Scan# 4114
 Delta R.T. 0.00 min
 Lab File: VL033169.D
 Acq: 6 Feb 2019 1:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion:105 Resp: 3566152
 Ion Ratio Lower Upper
 105 100
 120 45.3 36.2 54.4

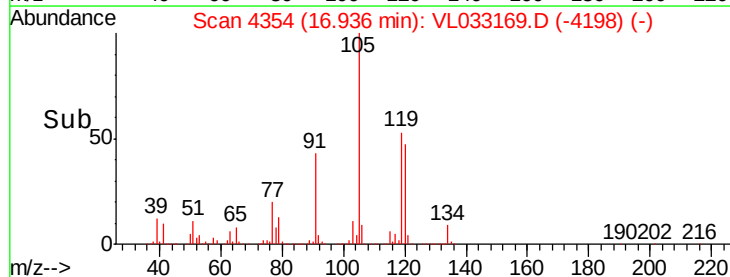
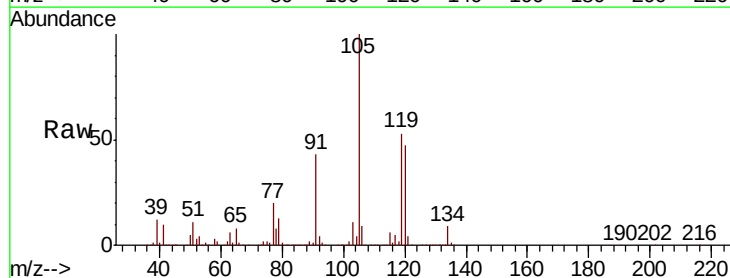
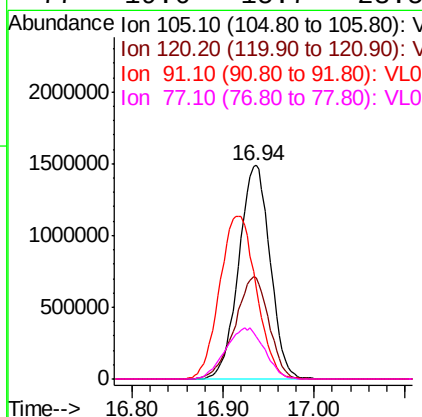
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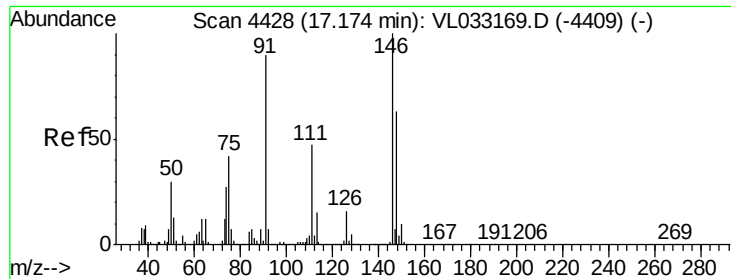
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#74
 1,2,4-Trimethylbenzene
 Concen: 8.441 ppbv
 RT: 16.94 min Scan# 4354
 Delta R.T. 0.00 min
 Lab File: VL033169.D
 Acq: 6 Feb 2019 1:51

Tgt Ion:105 Resp: 3554538
 Ion Ratio Lower Upper
 105 100
 120 47.4 37.9 56.9
 91 42.5 34.0 51.0
 77 19.6 15.7 23.5





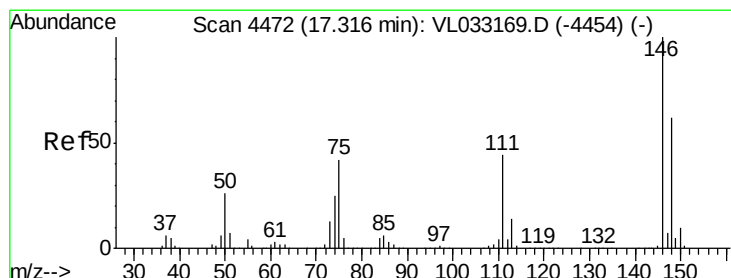
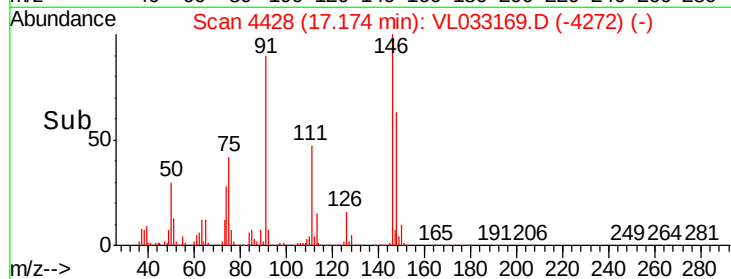
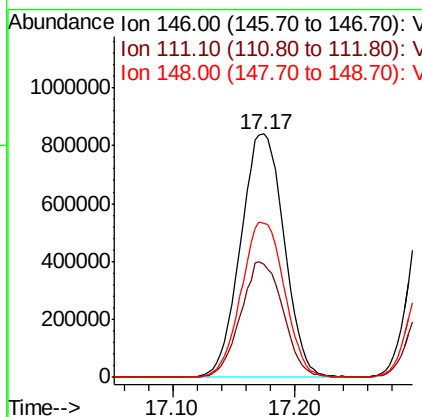
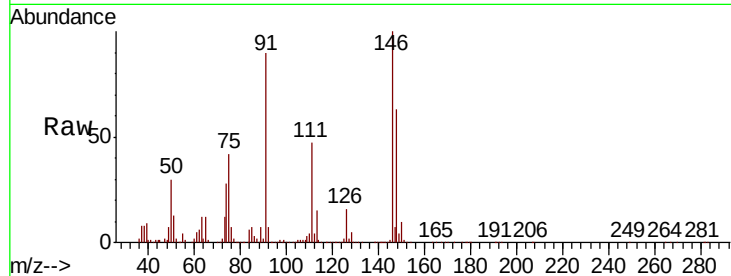
#75
 1,3-Dichlorobenzene
 Concen: 8.523 ppbv
 RT: 17.17 min Scan# 4428
 Delta R.T. 0.00 min
 Lab File: VL033169.D
 Acq: 6 Feb 2019 1:51

Instrument :
 MSVOA_L
 ClientSampled :
 VSTDICCC010

Tgt Ion:146 Resp: 2070029
 Ion Ratio Lower Upper
 146 100
 111 46.4 23.2 69.6
 148 63.6 31.8 95.4

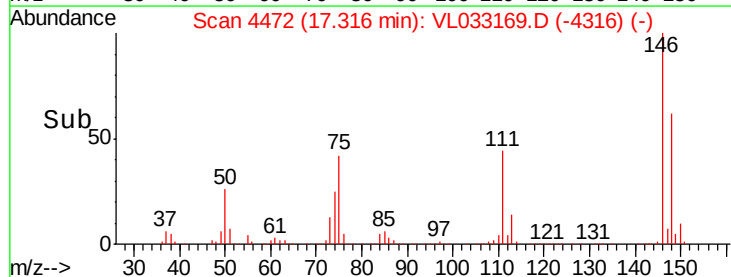
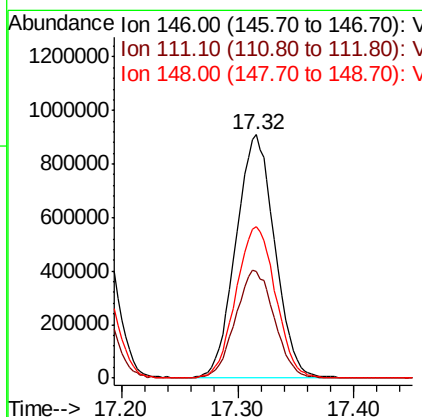
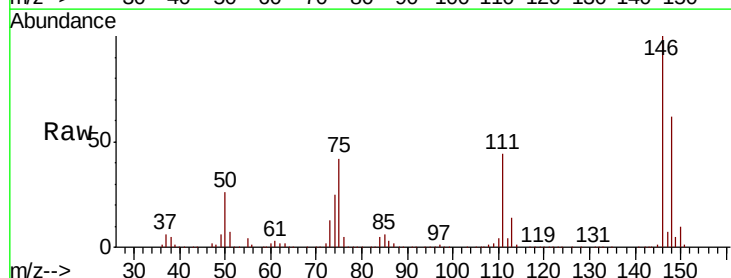
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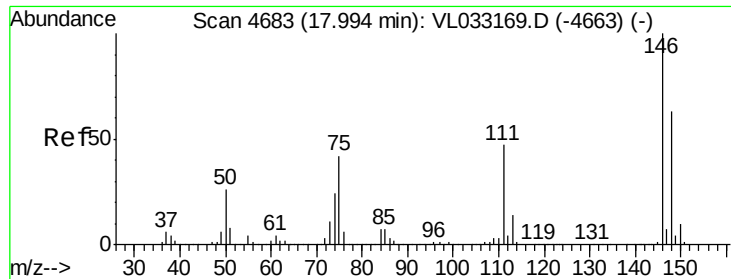
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#76
 1,4-Dichlorobenzene
 Concen: 8.753 ppbv
 RT: 17.32 min Scan# 4472
 Delta R.T. 0.00 min
 Lab File: VL033169.D
 Acq: 6 Feb 2019 1:51

Tgt Ion:146 Resp: 2106331
 Ion Ratio Lower Upper
 146 100
 111 44.6 22.3 66.9
 148 64.0 32.0 96.0





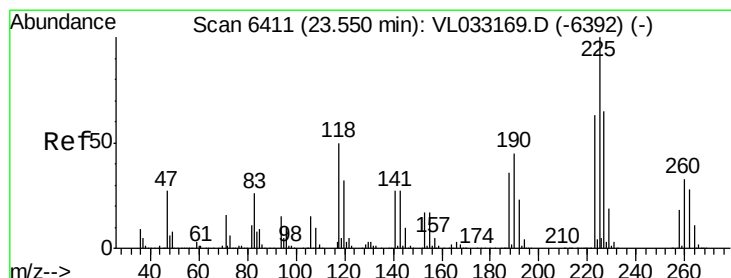
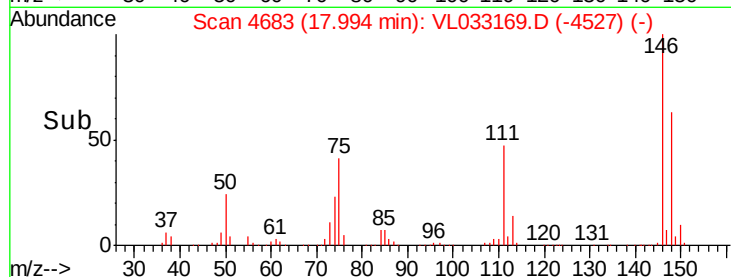
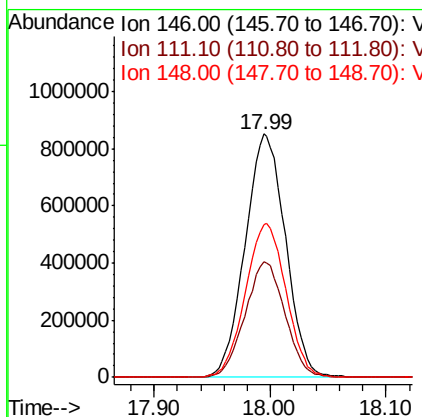
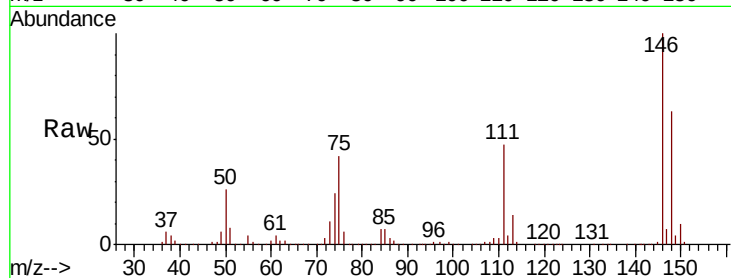
#77
 1,2-Dichlorobenzene
 Concen: 8.584 ppbv
 RT: 17.99 min Scan# 4683
 Delta R.T. 0.00 min
 Lab File: VL033169.D
 Acq: 6 Feb 2019 1:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.1	23.5	70.6
148	63.8	31.9	95.7

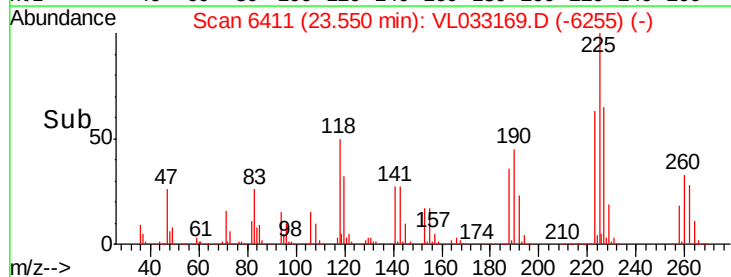
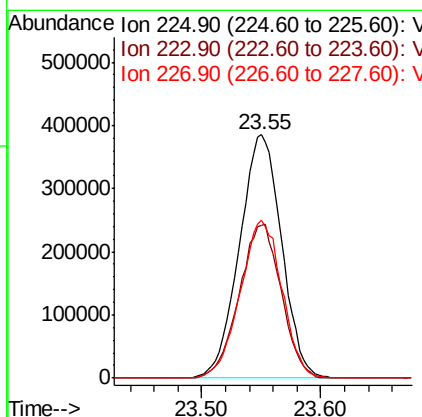
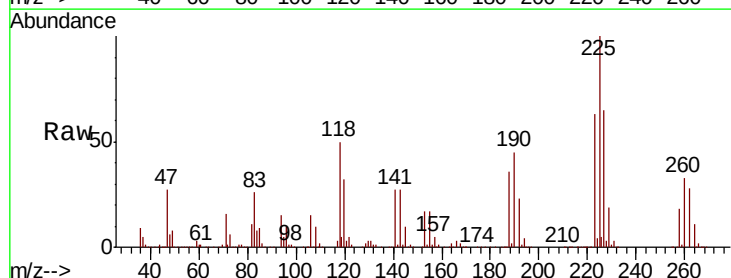
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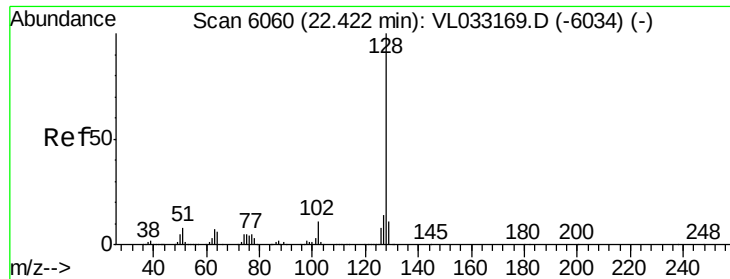
MMDadoda
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#78
 Hexachloro-1,3-Butadiene
 Concen: 7.904 ppbv
 RT: 23.55 min Scan# 6411
 Delta R.T. 0.00 min
 Lab File: VL033169.D
 Acq: 6 Feb 2019 1:51

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	50.6	75.8
227	64.3	51.4	77.2





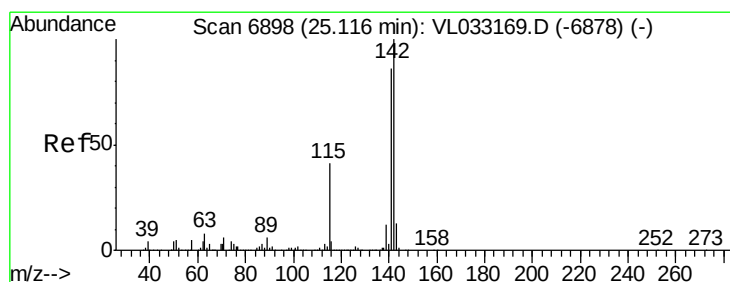
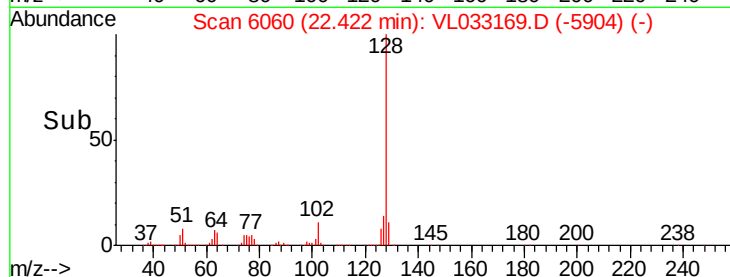
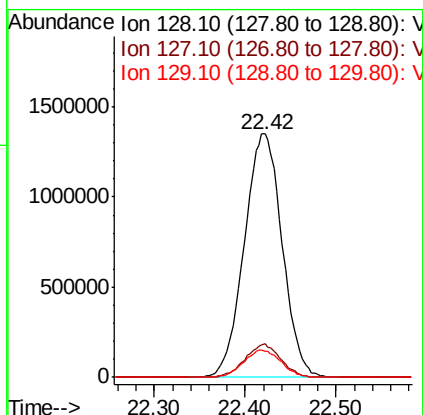
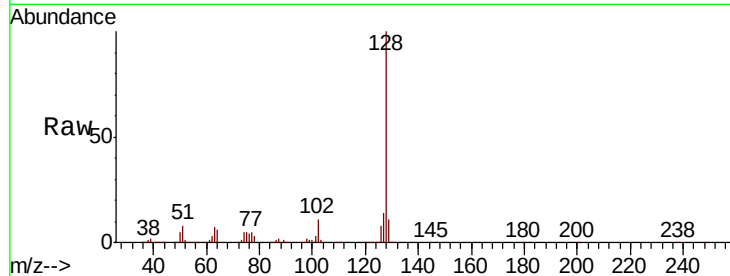
#79
Naphthalene
Concen: 8.598 ppbv
RT: 22.42 min Scan# 6060
Delta R.T. 0.00 min
Lab File: VL033169.D
Acq: 6 Feb 2019 1:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:128 Resp: 3890858
Ion Ratio Lower Upper
128 100
127 13.7 11.0 16.4
129 10.7 8.6 12.8

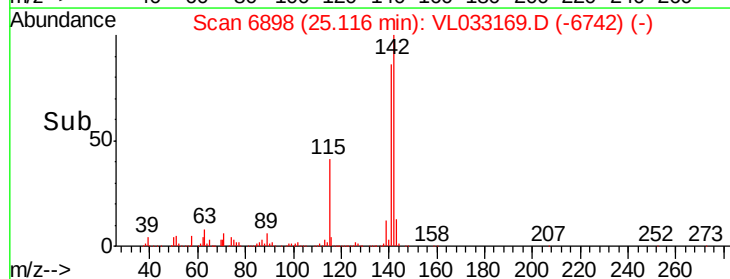
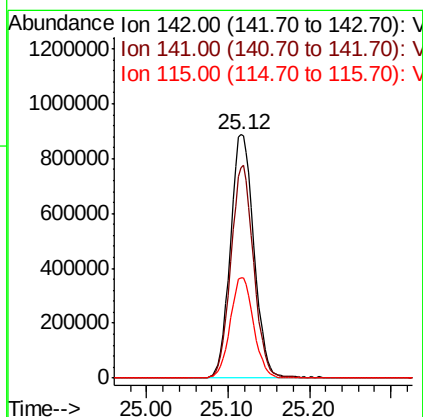
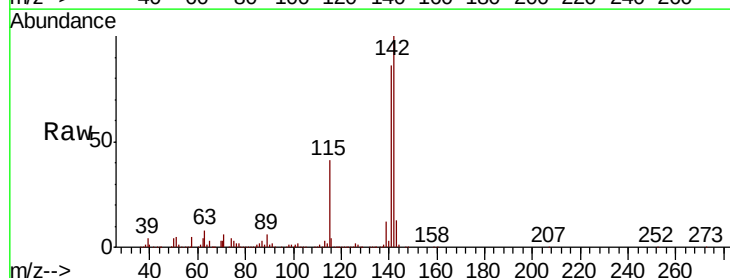
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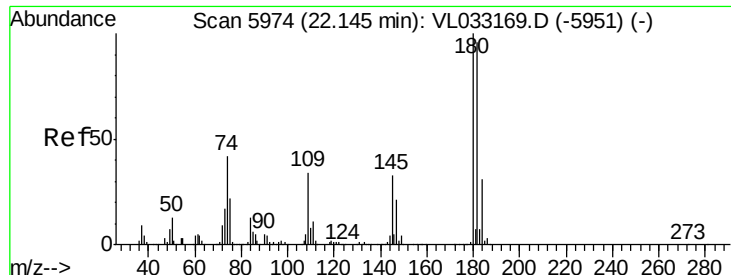
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2/20/2019 12:20:45 PM



#80
Naphthalene, 2-methyl-
Concen: 7.899 ppbv
RT: 25.12 min Scan# 6898
Delta R.T. 0.00 min
Lab File: VL033169.D
Acq: 6 Feb 2019 1:51

Tgt Ion:142 Resp: 1807999
Ion Ratio Lower Upper
142 100
141 84.6 67.7 101.5
115 40.9 32.7 49.1





#81
 1,2,4-Trichlorobenzene
 Concen: 8.407 ppbv
 RT: 22.15 min Scan# 5974
 Delta R.T. 0.00 min
 Lab File: VL033169.D
 Acq: 6 Feb 2019 1:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	75.8	113.8
184	30.4	24.3	36.5

Manual Integrations
 APPROVED

MMDadoda
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