

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL102915\
 Data File : VL026267.D
 Acq On : 29 Oct 2015 15:15
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL102915

Manual Integrations
 APPROVED

Mmdadoda
 10/30/2015 12:06:36 PM

Quant Time: Oct 30 01:09:52 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL102915AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct 29 2015
 QLast Update : Thu Oct 29 14:29:54 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.70	49	581663	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.37	114	1735130	10.00	ppbv	0.00
55) Chlorobenzene-d5	13.80	117	2048291m	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	16.35	95	1525972	9.82	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.67	85	1121407	9.00	ppbv	100
3) Chlorodifluoromethane	3.60	51	625061	8.53	ppbv	99
4) Chloromethane	3.78	50	391474	9.36	ppbv	100
5) Vinyl Chloride	3.92	62	400497	8.70	ppbv	100
6) Bromomethane	4.17	94	283398	9.33	ppbv	99
7) Chloroethane	4.27	64	171719	9.41	ppbv	97
8) Dichlorotetrafluoroethane	3.83	85	926739	8.77	ppbv	100
9) Propene	3.62	41	380933	10.81	ppbv	97
10) Heptane	9.40	43	1085721	9.13	ppbv	100
11) Trichlorofluoromethane	4.73	101	1040326	8.83	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	5.34	101	707839	9.00	ppbv	100
13) Ethanol	4.35	45	49465	9.38	ppbv	93
14) Bromoethene	4.48	108	314970	9.51	ppbv	99
15) Acetone	4.64	43	691435	8.98	ppbv	99
16) 1,3-Butadiene	4.00	39	378266	9.96	ppbv	94
17) tert-Butyl alcohol	5.15	59	577046	10.44	ppbv	99
18) 1,1-Dichloroethene	5.12	96	334562	9.37	ppbv	94
19) Isopropyl Alcohol	4.78	45	335809	10.17	ppbv	95
20) Methylene Chloride	5.18	84	306006	9.12	ppbv	97
21) Allyl Chloride	5.26	41	529422	9.75	ppbv	99
22) trans-1,2-Dichloroethene	5.81	96	445208	9.34	ppbv	96
23) Vinyl Acetate	6.03	43	1477339	9.95	ppbv	99
24) 1,1-Dichloroethane	5.95	63	927585	9.09	ppbv	99
25) Ethyl Acetate	6.71	43	1471580	9.17	ppbv	100
26) Hexane	6.70	57	721117	9.18	ppbv	99
27) Carbon Disulfide	5.43	76	934116	9.94	ppbv	99
28) Methyl tert-Butyl Ether	5.99	73	1292172	9.39	ppbv	99
29) Chloroform	6.79	83	1043896	8.97	ppbv	100
30) Cyclohexane	8.33	84	724637	9.39	ppbv	99
31) cis-1,2-Dichloroethene	6.56	61	680752	9.41	ppbv	98
32) 1,1,1-Trichloroethane	7.64	97	1085683	8.43	ppbv	99
34) 2-Butanone	6.24	43	943981	9.01	ppbv	100
35) Carbon Tetrachloride	8.21	117	1107211	8.47	ppbv	98
36) Benzene	8.07	78	1639385	8.93	ppbv	99
37) 1,2-Dichloroethane	7.42	62	845899	8.93	ppbv	100
38) Trichloroethene	9.11	130	649468	7.36	ppbv	97
39) 1,2-Dichloropropane	8.87	63	592929	8.87	ppbv	98
40) 1,4-Dioxane	9.16	88	140093	12.25	ppbv	91
41) Tetrahydrofuran	7.16	42	569599	9.41	ppbv	100
42) Bromodichloromethane	9.07	83	1170980	9.23	ppbv	100
43) Methyl Methacrylate	9.31	69	621851	9.52	ppbv	100

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Quant Time: Oct 30 01:09:52 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL102915AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct 29 2015
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	9.13	57	2585981	8.63	ppbv	100
45) t-1,3-Dichloropropene	10.70	75	926510	10.07	ppbv	100
46) cis-1,3-Dichloropropene	10.07	75	1079161	9.64	ppbv	100
47) 1,1,2-Trichloroethane	10.93	97	699989	8.66	ppbv	99
48) Dibromochloromethane	11.85	129	1095964	9.48	ppbv	100
49) Bromoform	14.87	173	890682	9.92	ppbv	100
50) 4-Methyl-2-Pentanone	10.13	43	1312993	9.36	ppbv	100
51) 2-Hexanone	11.66	43	1264287	9.90	ppbv #	100
52) Tetrachloroethene	12.85	164	690783	7.46	ppbv	100
53) Toluene	11.29	91	2121048	8.89	ppbv	99
54) 1,2-Dibromoethane	12.19	107	1066799	8.72	ppbv	100
56) 1,1,1,2-Tetrachloroethane	13.84	131	784741	8.74	ppbv	98
57) Chlorobenzene	13.87	112	1701289	8.38	ppbv	99
58) Ethyl Benzene	14.47	91	2958276	8.79	ppbv	100
59) m/p-Xylene	14.77	91	4511949	16.92	ppbv #	100
60) o-Xylene	15.55	91	2292665	8.22	ppbv	100
61) Styrene	15.36	104	1146980	9.68	ppbv	100
62) Isopropylbenzene	16.60	105	3219249	8.51	ppbv	100
63) 1,1,2,2-Tetrachloroethane	15.54	83	1544095	7.12	ppbv	100
64) n-propylbenzene	17.58	120	887924	8.64	ppbv	97
65) tert-Butylbenzene	18.87	119	2806659	8.22	ppbv	100
66) Benzyl Chloride	19.16	91	1182645	11.11	ppbv	100
67) sec-Butylbenzene	19.47	105	4083359	8.43	ppbv	100
69) p-Isopropyltoluene	19.85	119	3365937	8.53	ppbv	100
70) n-Butylbenzene	20.81	91	3270228	8.72	ppbv	100
71) 2-Chlorotoluene	17.49	91	2443645	8.75	ppbv	100
72) 4-Ethyltoluene	17.88	105	2768128	8.84	ppbv	99
73) 1,3,5-Trimethylbenzene	18.05	105	2546049	8.62	ppbv	98
74) 1,2,4-Trimethylbenzene	18.89	105	2521922	8.16	ppbv	94
75) 1,3-Dichlorobenzene	19.18	146	1681183	8.39	ppbv	100
76) 1,4-Dichlorobenzene	19.33	146	1749232	8.59	ppbv	100
77) 1,2-Dichlorobenzene	20.09	146	1698590	8.50	ppbv	100
78) Hexachloro-1,3-Butadiene	24.72	225	662518	8.18	ppbv	99
79) Naphthalene	23.98	128	2149128	9.72	ppbv	100
80) Naphthalene, 2-methyl-	26.09	142	643502	15.77	ppbv	94
81) 1,2,4-Trichlorobenzene	23.78	180	996483	9.03	ppbv	99

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

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Sample      : VSTDICV010
Misc        : 400mL/MSVOA L
ALS Vial    : 1      Sample Multiplier: 1

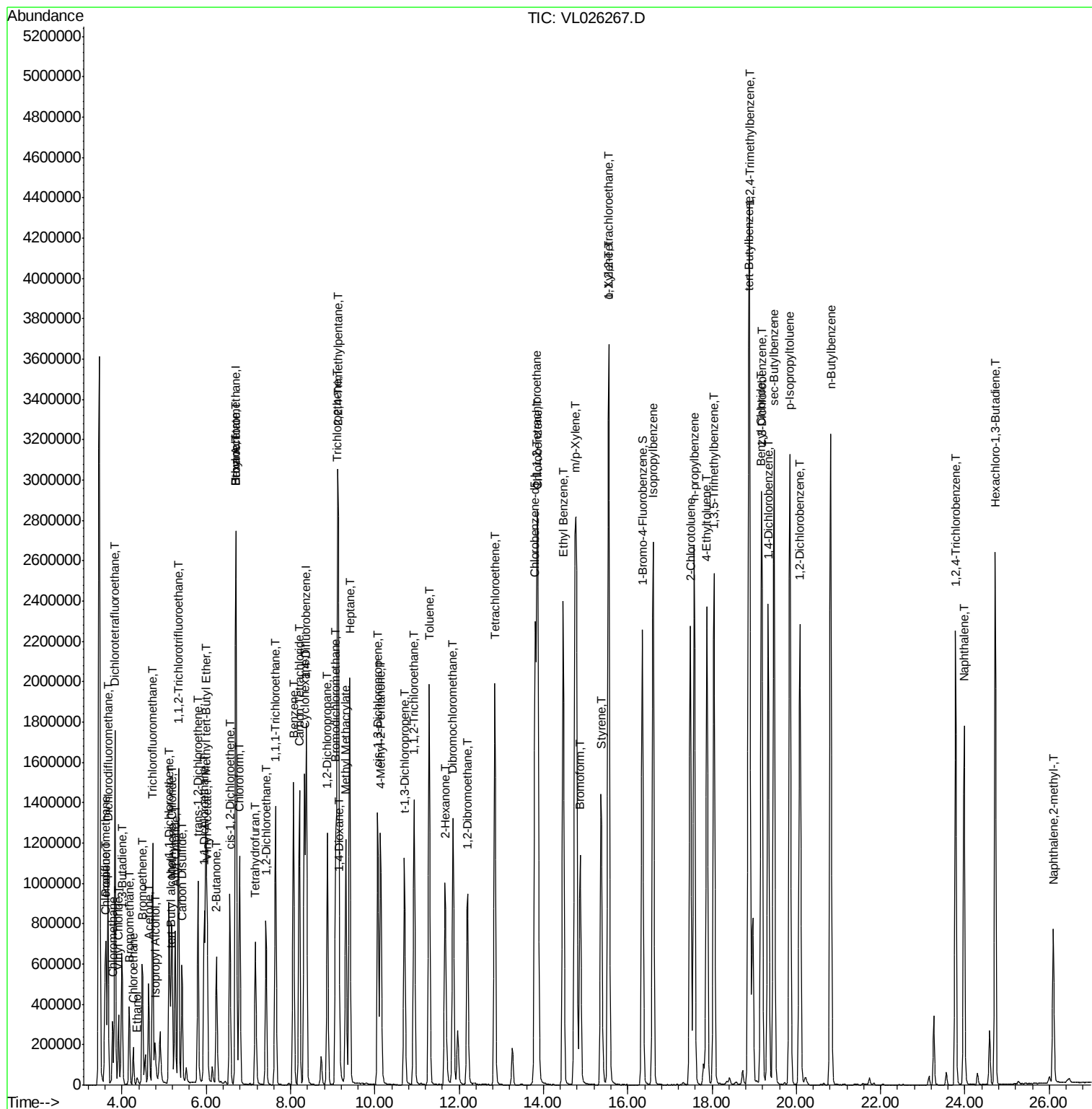
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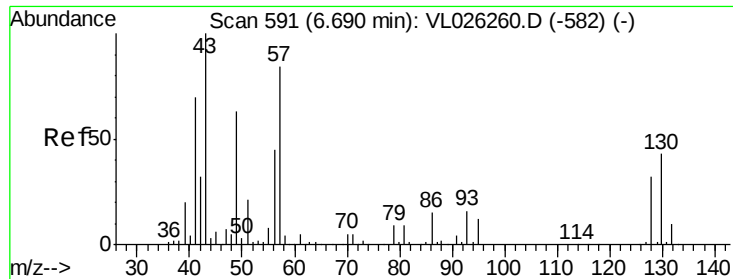
Instrument :
MSVOA_L
ClientSampleId :
ICVVL102915

Manual Integrations APPROVED

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Quant Time: Oct 30 01:09:52 2015
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QLast Update : Thu Oct 29 14:29:54 2015
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#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.70 min Scan# 592

Delta R.T. 0.01 min

Lab File: VL026267.D

Acq: 29 Oct 2015 15:15

Instrument :

MSVOA_L

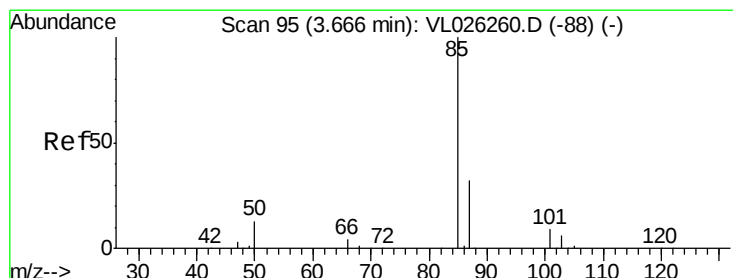
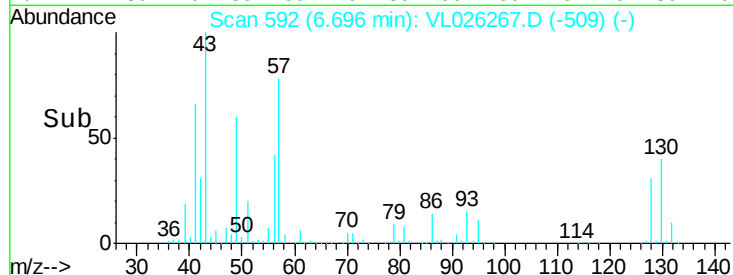
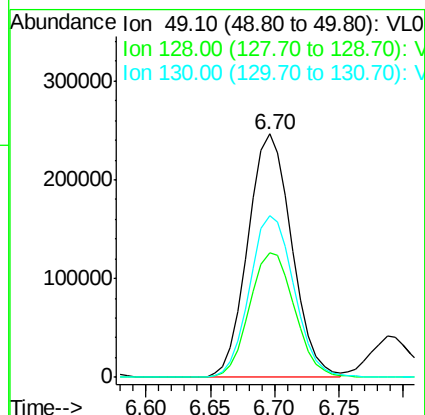
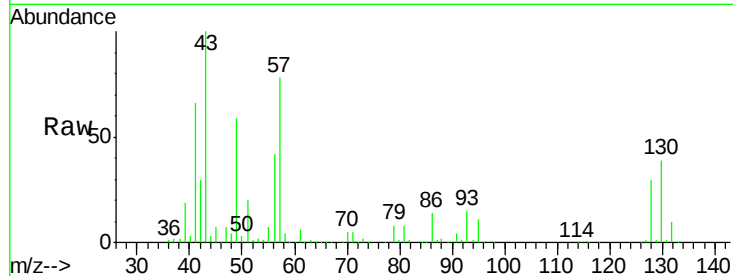
ClientSampleId :

ICVVL102915

Tot Ion: 49 Resp: 581663
 Ion Ratio Lower Upper
 49 100
 128 52.8 26.7 80.1
 130 68.0 34.4 103.2

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 9.00 ppbv

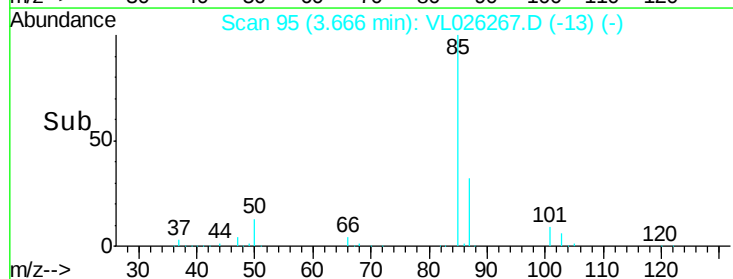
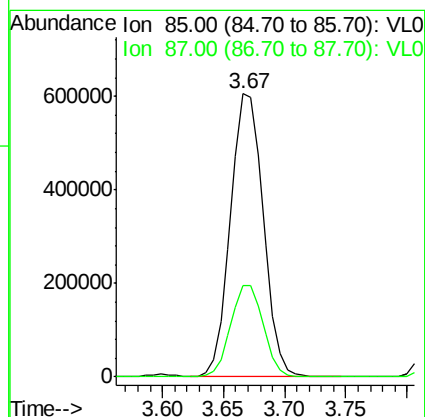
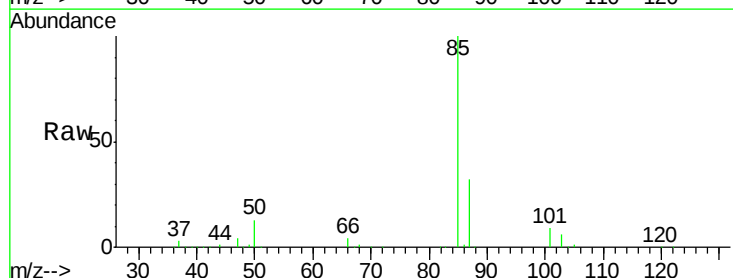
RT: 3.67 min Scan# 95

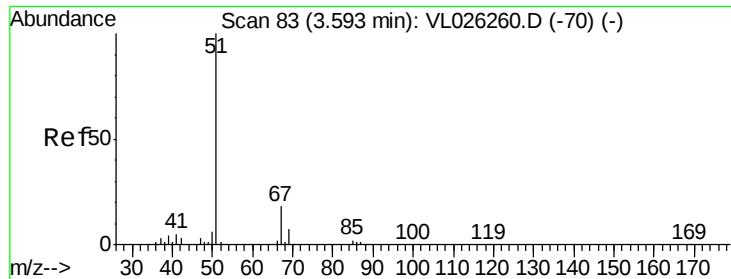
Delta R.T. 0.00 min

Lab File: VL026267.D

Acq: 29 Oct 2015 15:15

Tgt Ion: 85 Resp: 1121407
 Ion Ratio Lower Upper
 85 100
 87 32.5 25.9 38.9





#3

Chlorodifluoromethane

Concen: 8.53 ppbv

RT: 3.60 min Scan# 84

Delta R.T. 0.01 min

Lab File: VL026267.D

Acq: 29 Oct 2015 15:15

Tot Ion: 51 Resp: 625061

Ion Ratio Lower Upper

51 100

67 18.4 14.5 21.7

Instrument :

MSVOA_L

ClientSampleId :

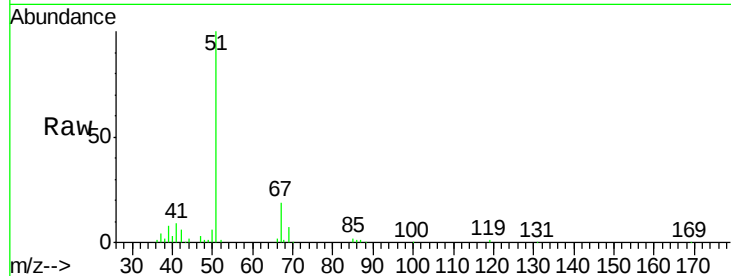
ICVVL102915

Manual Integrations

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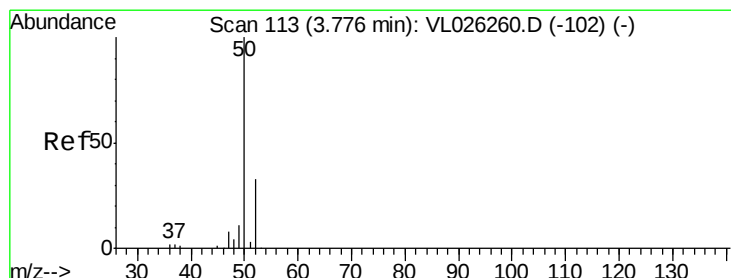
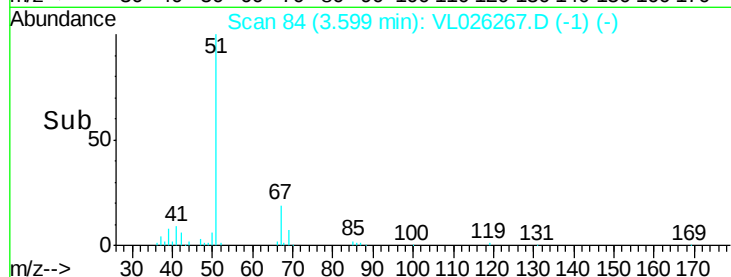
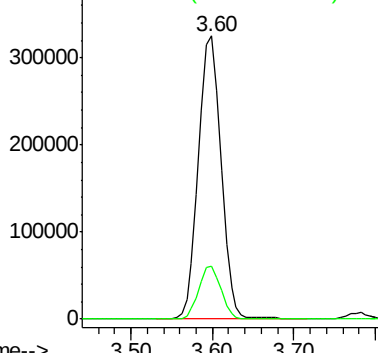
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.36 ppbv

RT: 3.78 min Scan# 113

Delta R.T. 0.00 min

Lab File: VL026267.D

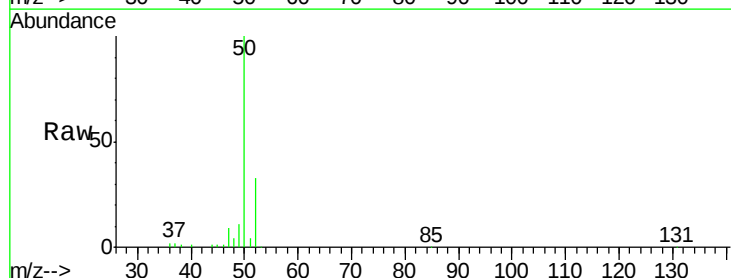
Acq: 29 Oct 2015 15:15

Tgt Ion: 50 Resp: 391474

Ion Ratio Lower Upper

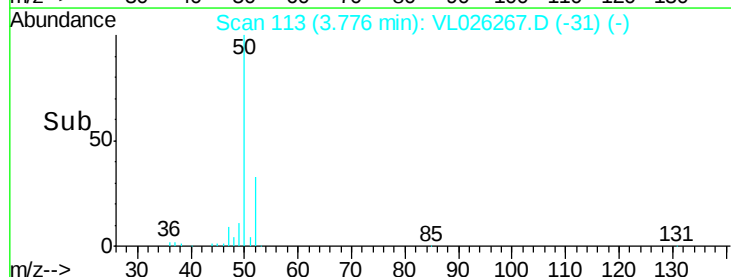
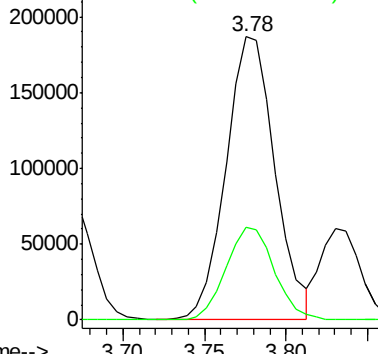
50 100

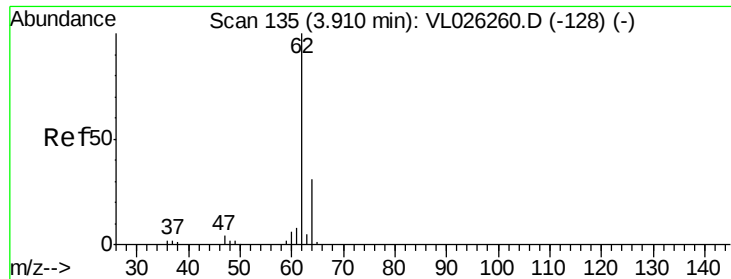
52 32.7 26.1 39.1



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.70 ppbv

RT: 3.92 min Scan# 136

Delta R.T. 0.01 min

Lab File: VL026267.D

Acq: 29 Oct 2015 15:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL102915

Tot Ion: 62 Resp: 400497

Ion Ratio Lower Upper

62 100

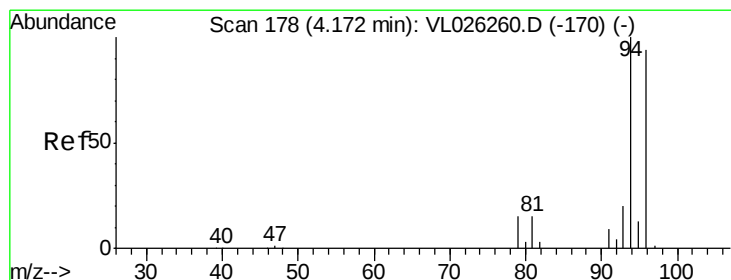
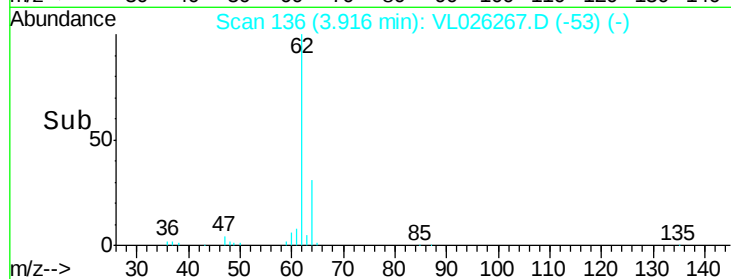
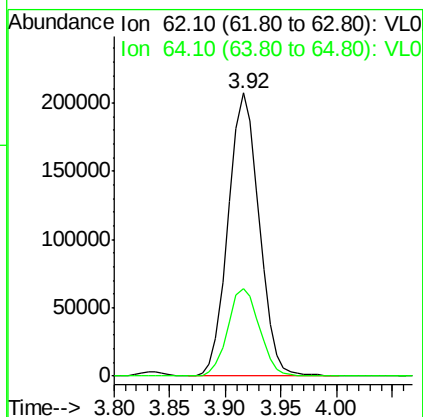
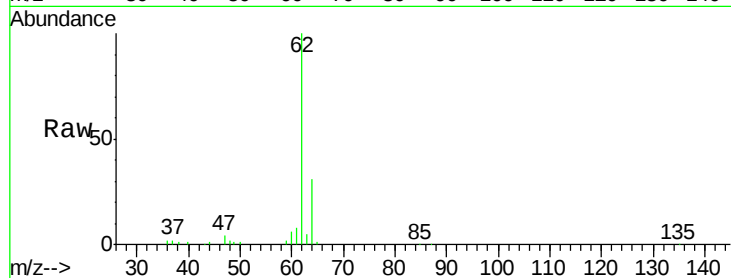
64 31.1 24.9 37.3

Manual Integrations

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#6

Bromomethane

Concen: 9.33 ppbv

RT: 4.17 min Scan# 178

Delta R.T. 0.00 min

Lab File: VL026267.D

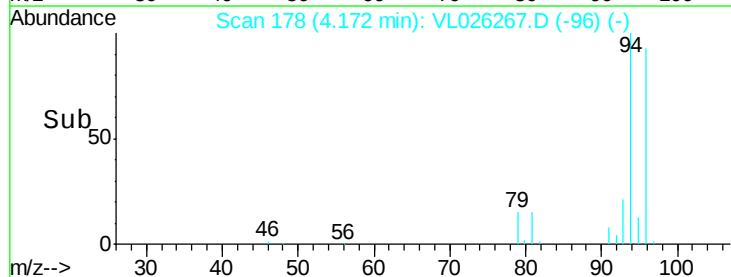
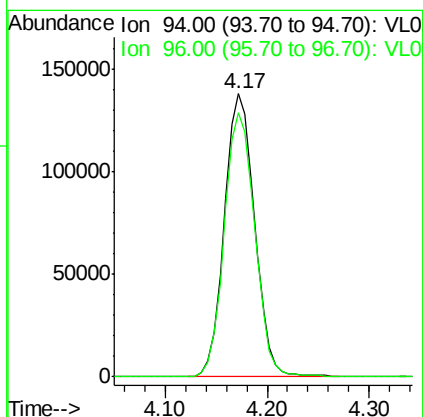
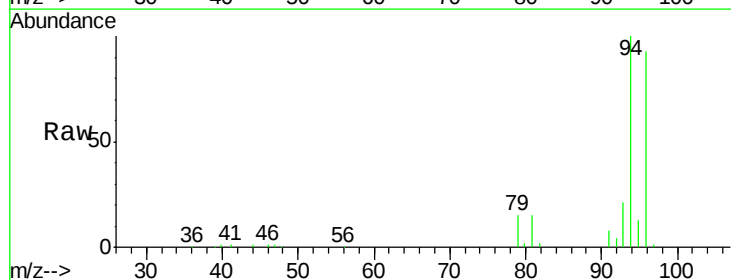
Acq: 29 Oct 2015 15:15

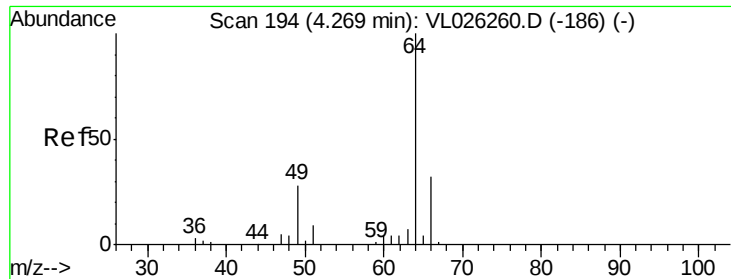
Tgt Ion: 94 Resp: 283398

Ion Ratio Lower Upper

94 100

96 93.3 75.5 113.3





#7

Chloroethane

Concen: 9.41 ppbv

RT: 4.27 min Scan# 194

Delta R.T. 0.00 min

Lab File: VL026267.D

Acq: 29 Oct 2015 15:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL102915

Tot Ion: 64 Resp: 171719

Ion Ratio Lower Upper

64 100

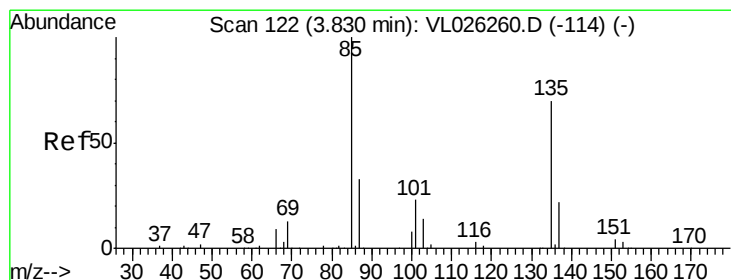
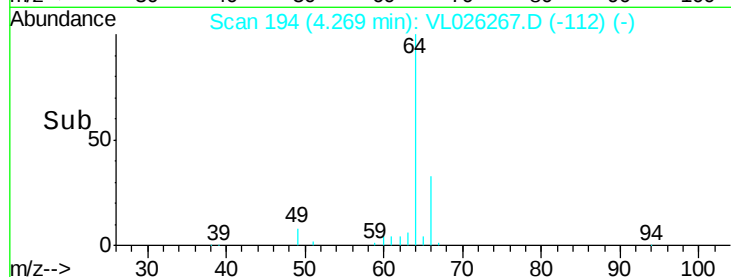
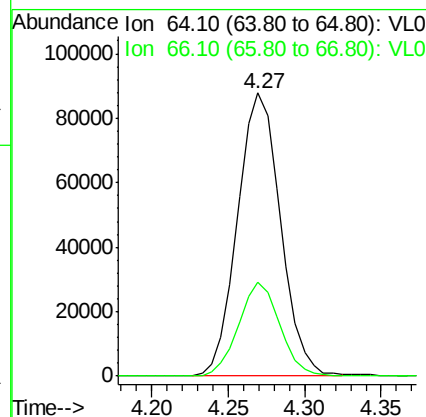
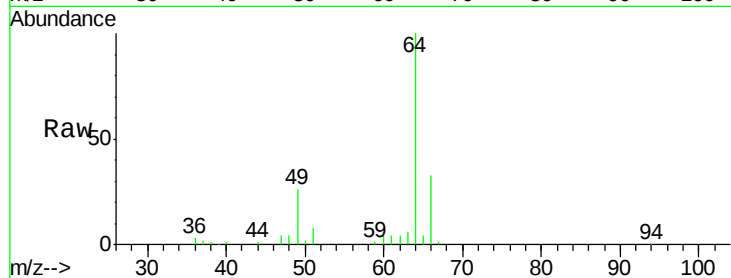
66 33.1 25.2 37.8

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 8.77 ppbv

RT: 3.83 min Scan# 122

Delta R.T. 0.00 min

Lab File: VL026267.D

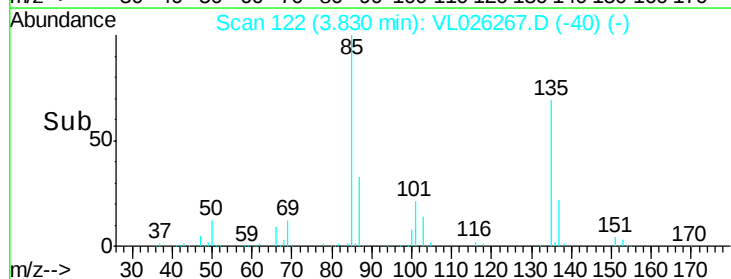
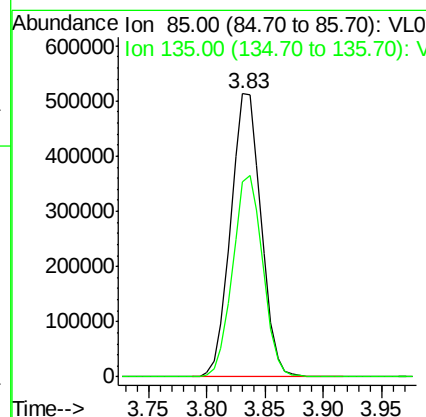
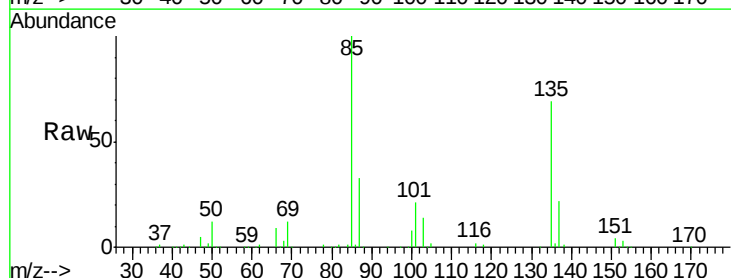
Acq: 29 Oct 2015 15:15

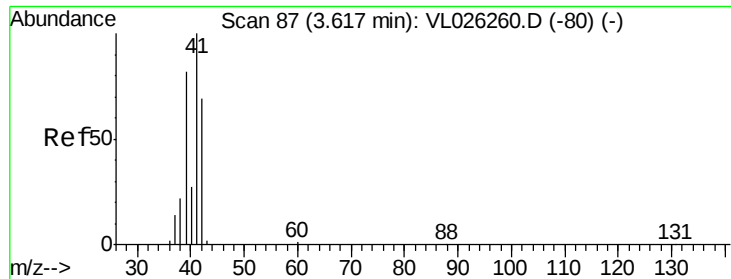
Tgt Ion: 85 Resp: 926739

Ion Ratio Lower Upper

85 100

135 71.0 56.6 84.8





#9

Propene

Concen: 10.81 ppbv

RT: 3.62 min Scan# 88

Delta R.T. 0.01 min

Lab File: VL026267.D

Acq: 29 Oct 2015 15:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL102915

Tot Ion: 41 Resp: 380933

Ion Ratio Lower Upper

41 100

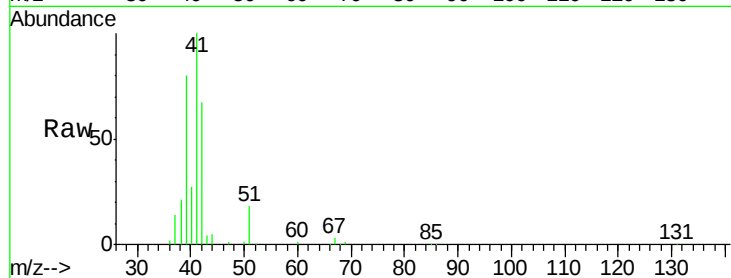
42 65.9 54.5 81.7

Manual Integrations

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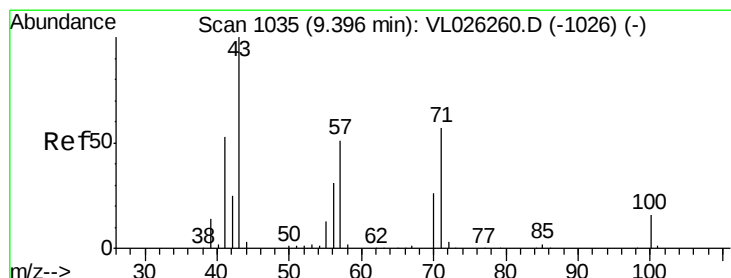
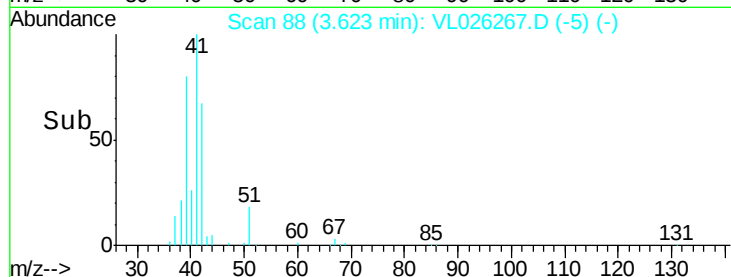
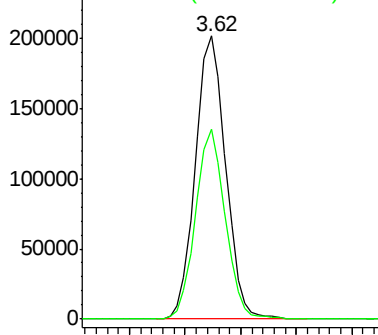
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Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 9.13 ppbv

RT: 9.40 min Scan# 1036

Delta R.T. 0.01 min

Lab File: VL026267.D

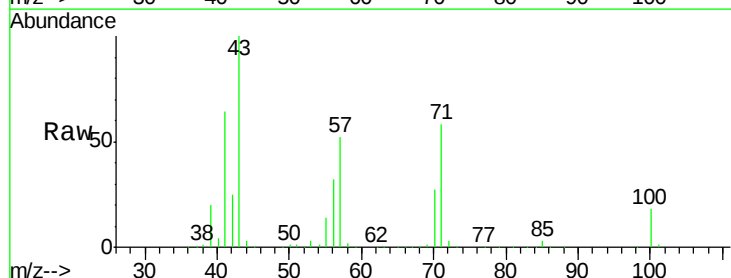
Acq: 29 Oct 2015 15:15

Tgt Ion: 43 Resp: 1085721

Ion Ratio Lower Upper

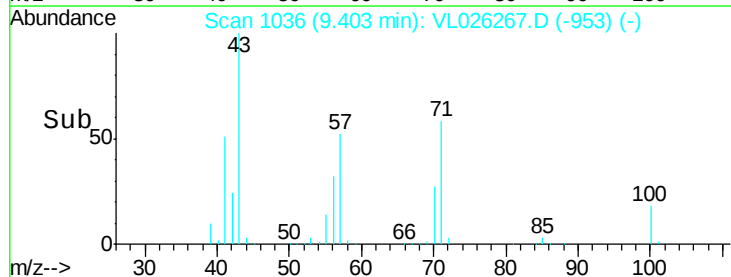
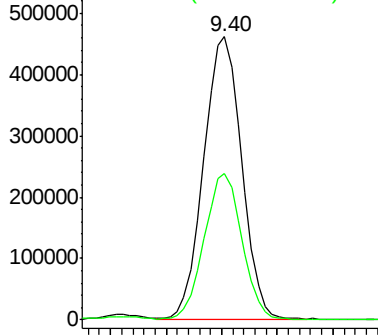
43 100

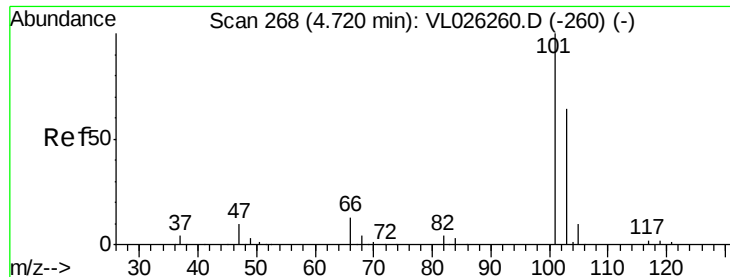
57 51.5 41.1 61.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





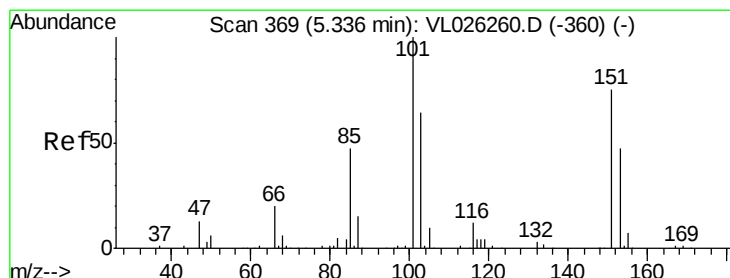
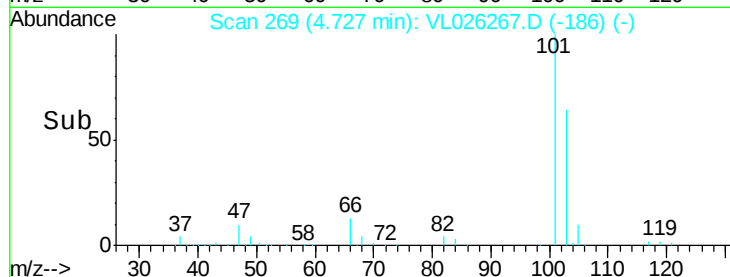
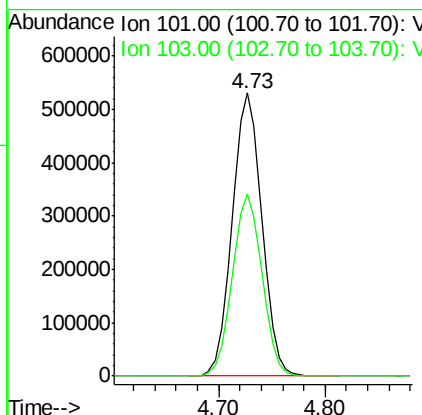
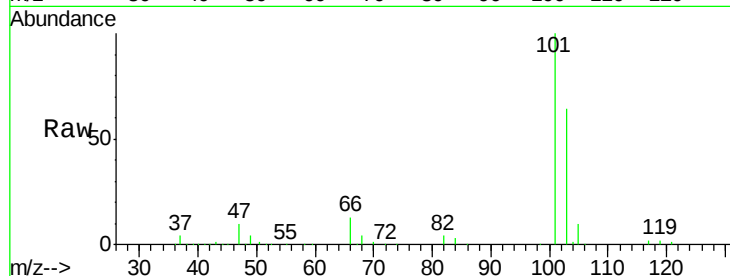
#11
 Trichlorofluoromethane
 Concen: 8.83 ppbv
 RT: 4.73 min Scan# 269
 Delta R.T. 0.01 min
 Lab File: VL026267.D
 Acq: 29 Oct 2015 15:15

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL102915

Tot Ion:101 Resp: 1040326
 Ion Ratio Lower Upper
 101 100
 103 64.4 51.4 77.0

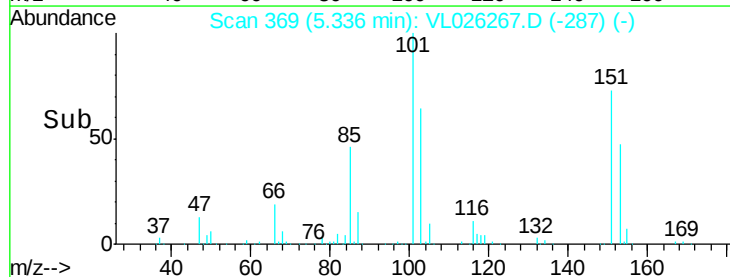
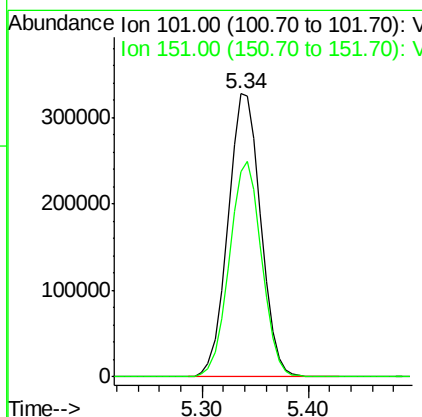
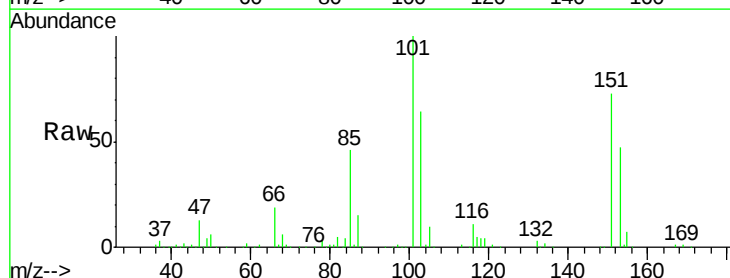
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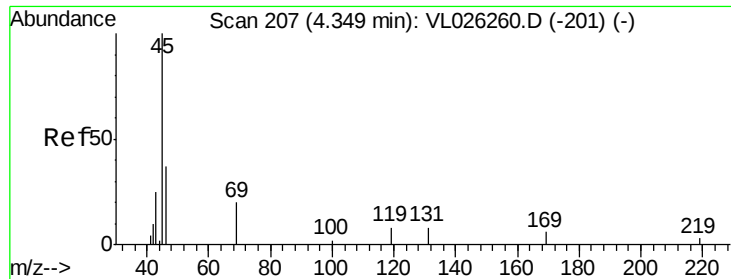
Mmdadoda
 10/30/2015 12:06:36 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.00 ppbv
 RT: 5.34 min Scan# 369
 Delta R.T. 0.00 min
 Lab File: VL026267.D
 Acq: 29 Oct 2015 15:15

Tgt Ion:101 Resp: 707839
 Ion Ratio Lower Upper
 101 100
 151 75.2 60.3 90.5





#13

Ethanol

Concen: 9.38 ppbv

RT: 4.35 min Scan# 208

Delta R.T. 0.01 min

Lab File: VL026267.D

Acq: 29 Oct 2015 15:15

Tot Ion: 45 Resp: 49465

Ion Ratio Lower Upper

45 100

46 38.0 17.0 68.0

Instrument :

MSVOA_L

ClientSampleId :

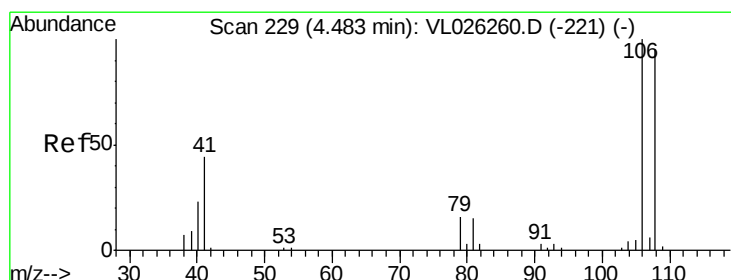
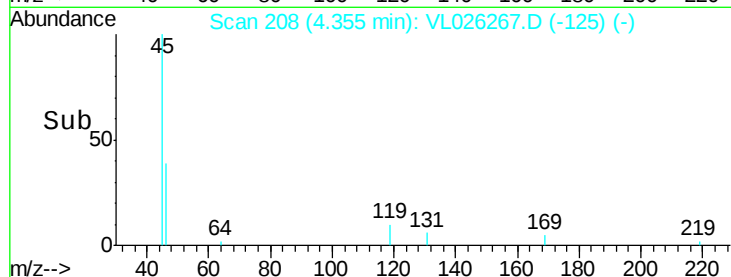
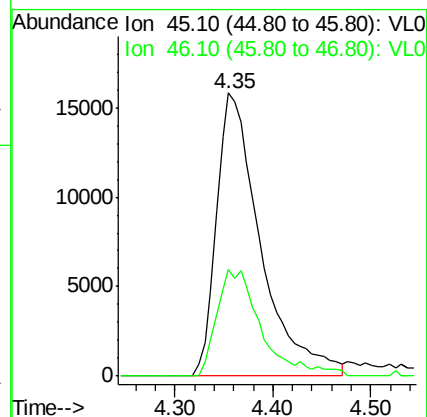
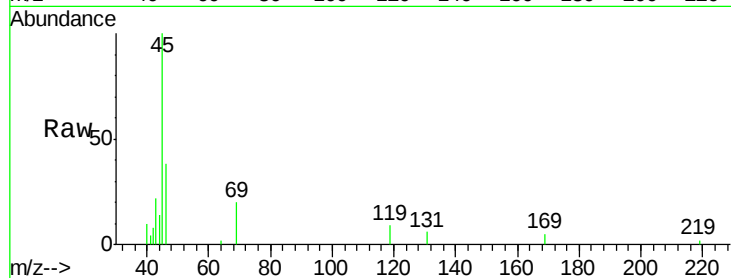
ICVVL102915

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#14

Bromoethene

Concen: 9.51 ppbv

RT: 4.48 min Scan# 229

Delta R.T. 0.00 min

Lab File: VL026267.D

Acq: 29 Oct 2015 15:15

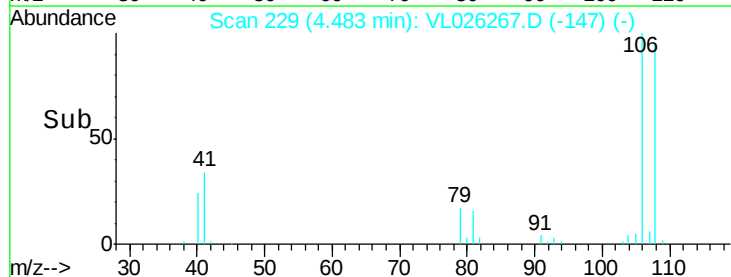
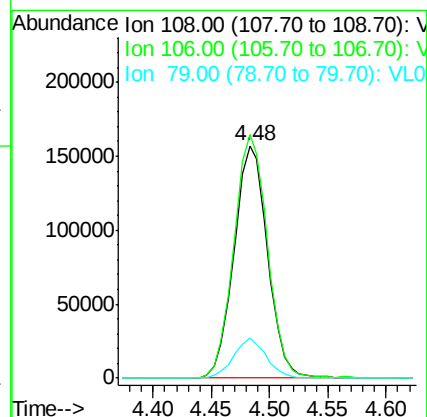
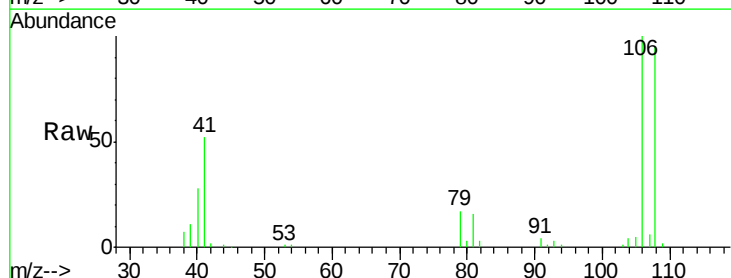
Tgt Ion: 108 Resp: 314970

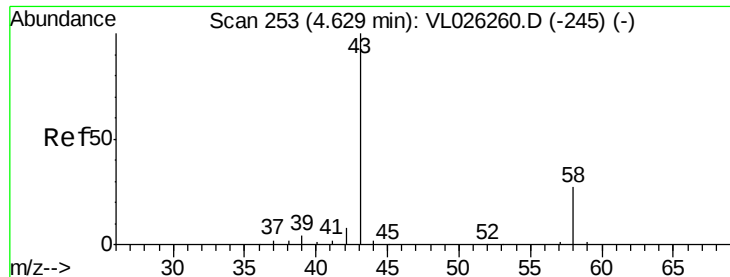
Ion Ratio Lower Upper

108 100

106 105.7 85.4 128.0

79 16.6 13.5 20.3





#15

Acetone

Concen: 8.98 ppbv

RT: 4.64 min Scan# 254

Delta R.T. 0.01 min

Lab File: VL026267.D

Acq: 29 Oct 2015 15:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL102915

Tot Ion: 43 Resp: 691435

Ion Ratio Lower Upper

43 100

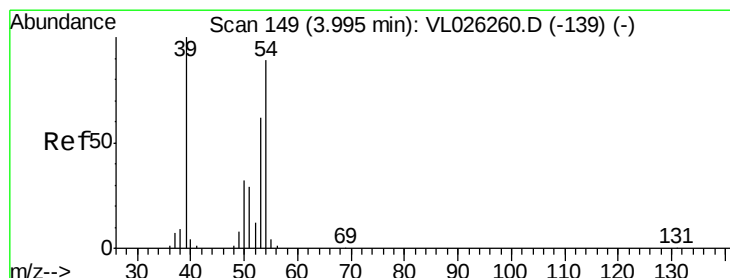
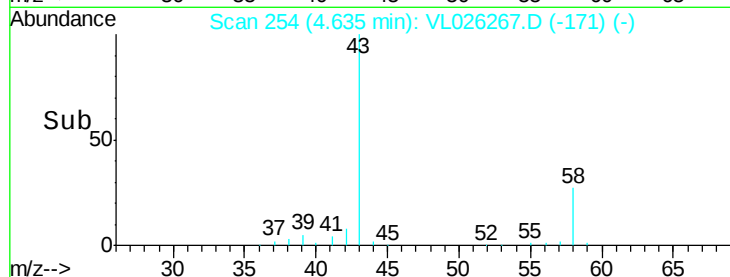
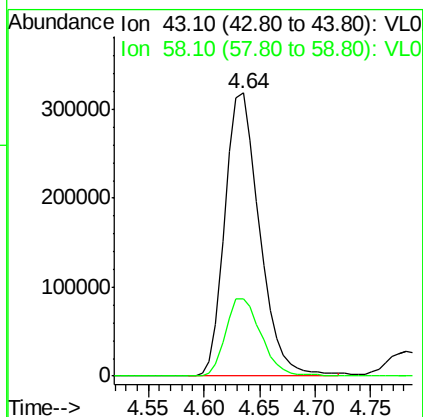
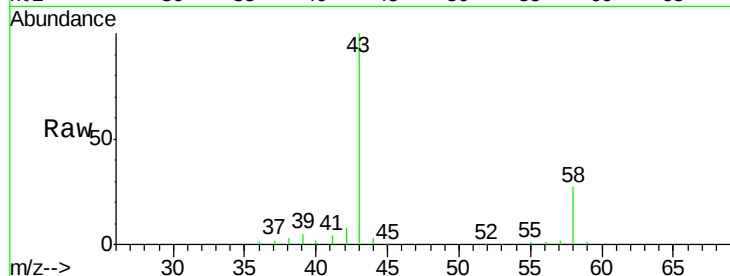
58 28.2 22.3 33.5

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#16

1,3-Butadiene

Concen: 9.96 ppbv

RT: 4.00 min Scan# 149

Delta R.T. 0.00 min

Lab File: VL026267.D

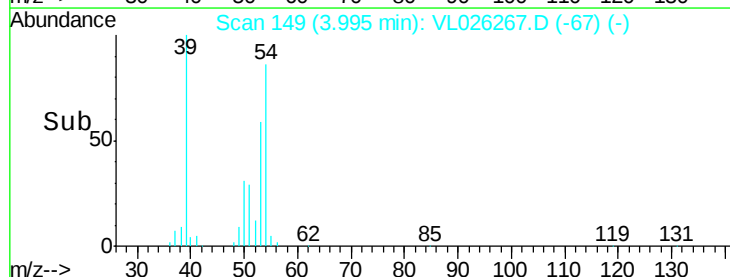
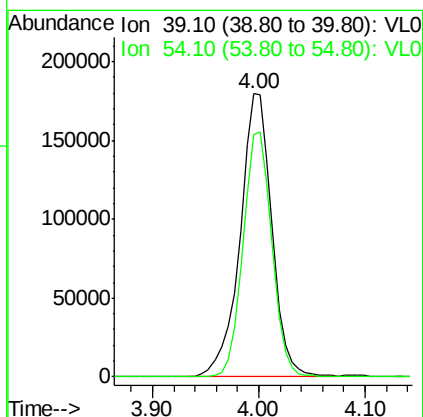
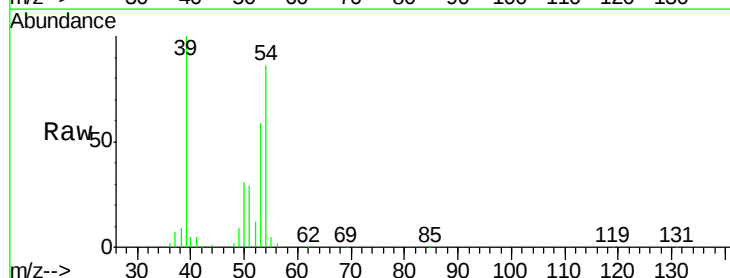
Acq: 29 Oct 2015 15:15

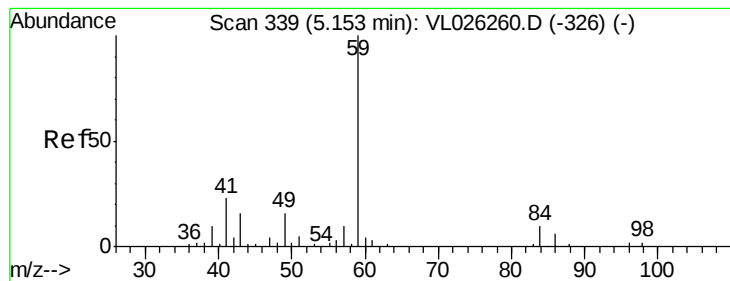
Tgt Ion: 39 Resp: 378266

Ion Ratio Lower Upper

39 100

54 78.5 67.3 100.9





#17

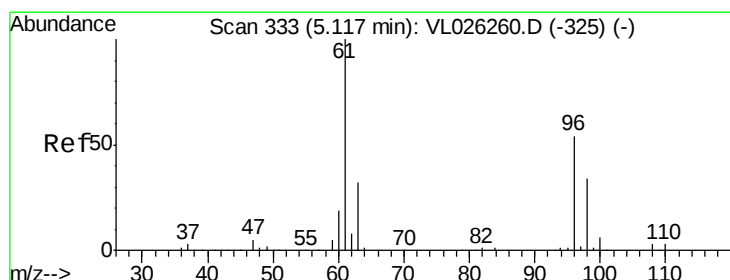
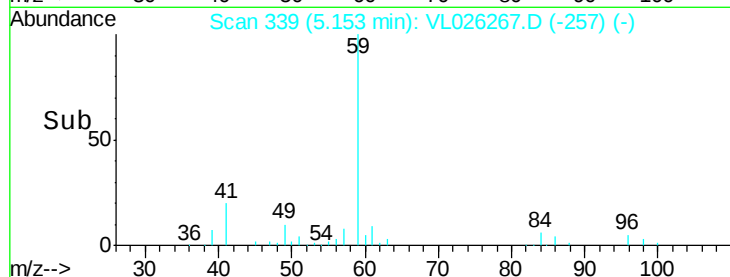
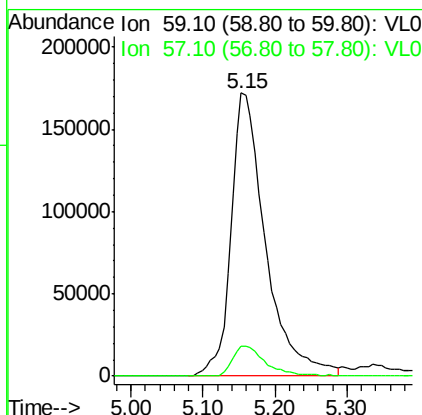
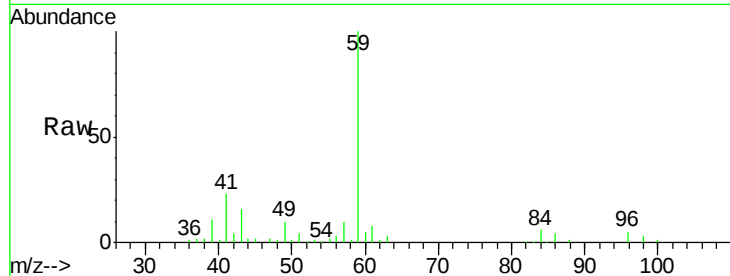
tert-Butyl alcohol
 Concen: 10.44 ppbv
 RT: 5.15 min Scan# 339
 Delta R.T. 0.00 min
 Lab File: VL026267.D
 Acq: 29 Oct 2015 15:15

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL102915

Tot Ion	59	Resp	577046
Ion Ratio	100	Lower	Upper
57	10.4	8.7	13.1

Manual Integrations
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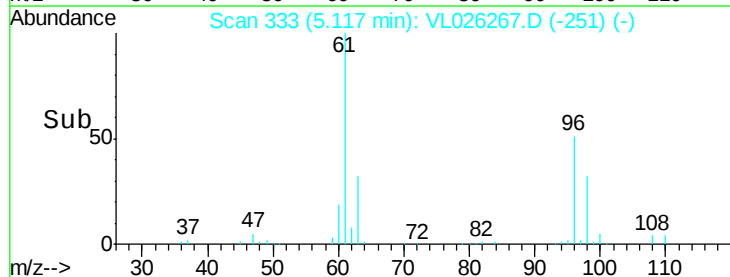
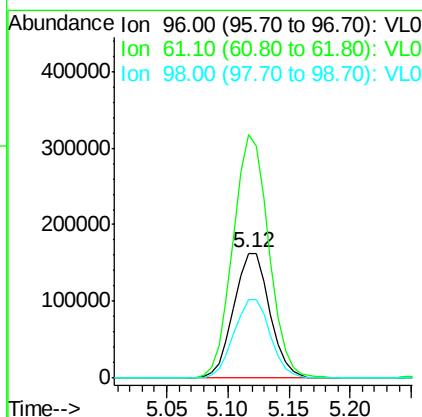
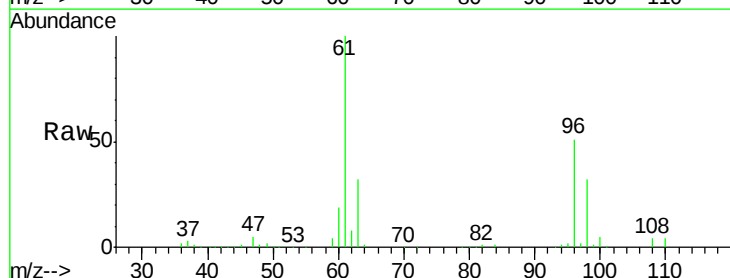
Mmdadoda
 10/30/2015 12:06:36 PM

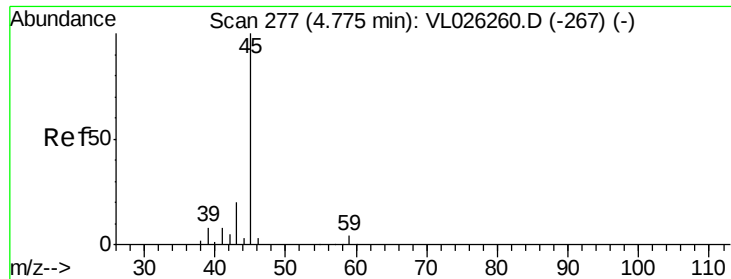


#18

1,1-Dichloroethene
 Concen: 9.37 ppbv
 RT: 5.12 min Scan# 333
 Delta R.T. 0.00 min
 Lab File: VL026267.D
 Acq: 29 Oct 2015 15:15

Tgt Ion	96	Resp	334562
Ion Ratio	100	Lower	Upper
61	195.4	147.0	220.4
98	63.3	50.1	75.1





#19

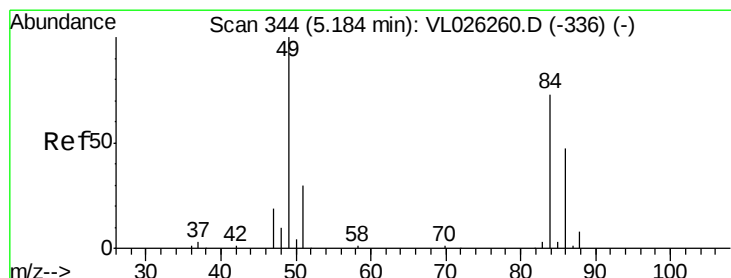
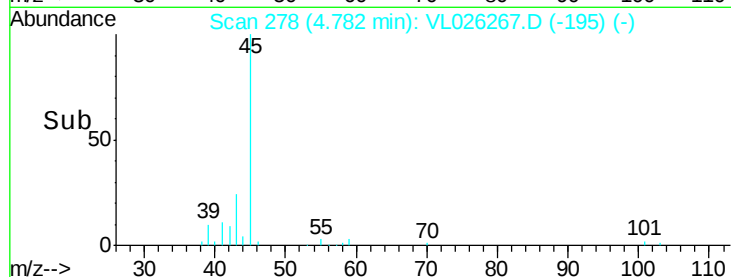
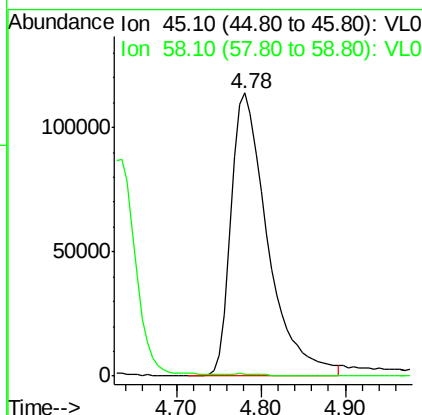
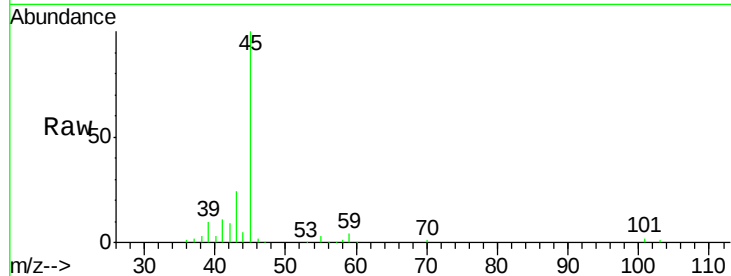
Isopropyl Alcohol
 Concen: 10.17 ppbv
 RT: 4.78 min Scan# 278
 Delta R.T. 0.01 min
 Lab File: VL026267.D
 Acq: 29 Oct 2015 15:15

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL102915

Tot Ion: 45 Resp: 335809
 Ion Ratio Lower Upper
 45 100
 58 58.1 43.8 65.8

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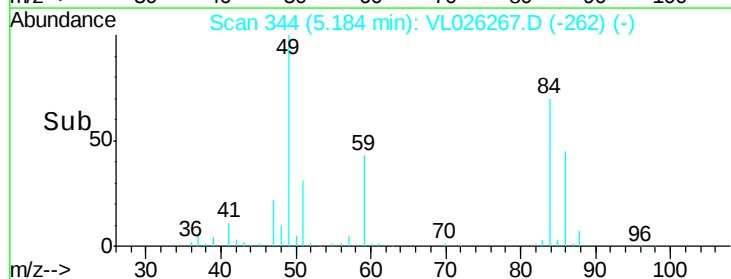
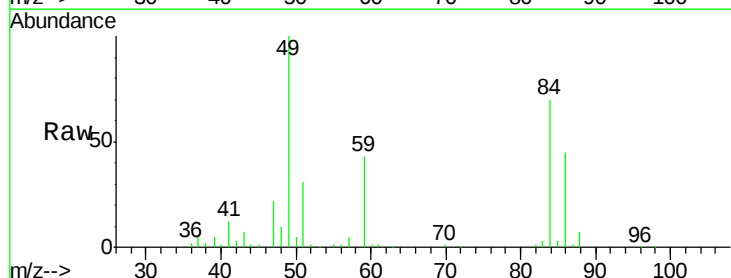
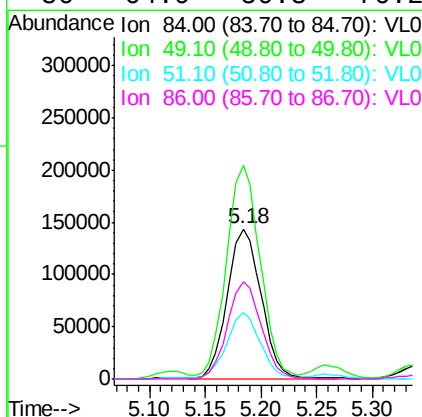
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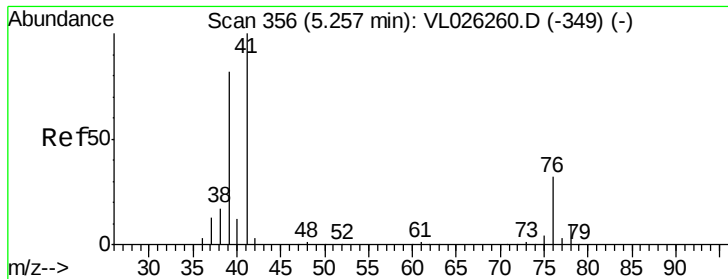


#20

Methylene Chloride
 Concen: 9.12 ppbv
 RT: 5.18 min Scan# 344
 Delta R.T. 0.00 min
 Lab File: VL026267.D
 Acq: 29 Oct 2015 15:15

Tgt Ion: 84 Resp: 306006
 Ion Ratio Lower Upper
 84 100
 49 140.1 109.0 163.4
 51 44.1 32.8 49.2
 86 64.9 50.8 76.2





#21

Allvl Chloride

Concen: 9.75 ppbv

RT: 5.26 min Scan# 357

Delta R.T. 0.01 min

Lab File: VL026267.D

Acq: 29 Oct 2015 15:15

Instrument :

MSVOA_L

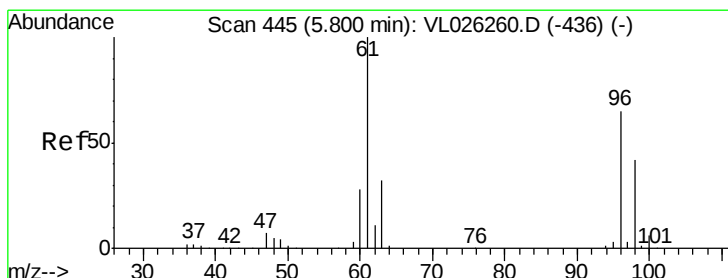
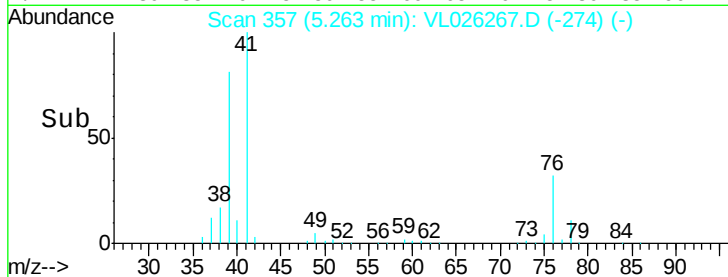
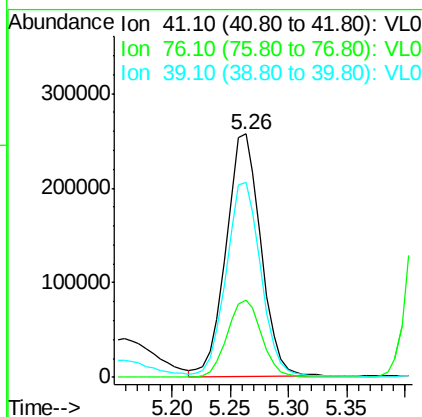
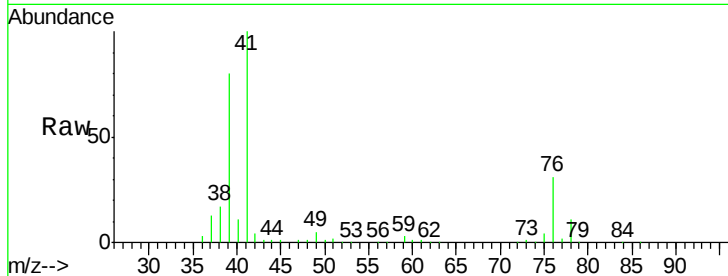
ClientSampleId :

ICVVL102915

Tot Ion:	41	Resp:	529422
Ion	Ratio	Lower	Upper
41	100		
76	31.8	25.9	38.9
39	80.8	65.8	98.6

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#22

trans-1,2-Dichloroethene

Concen: 9.34 ppbv

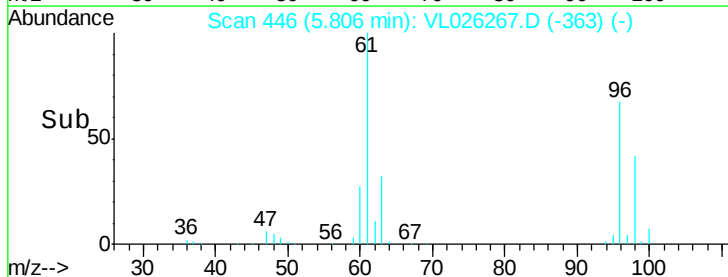
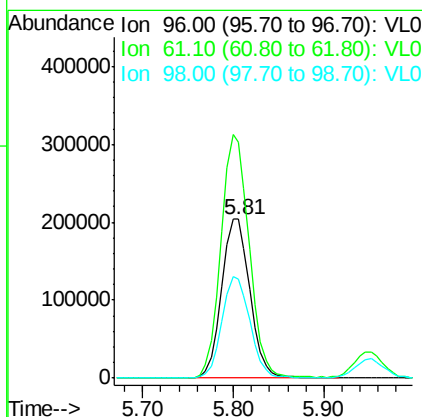
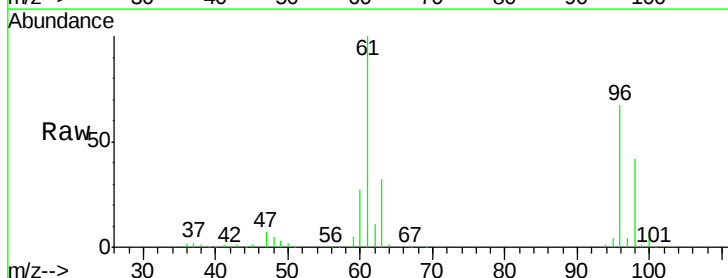
RT: 5.81 min Scan# 446

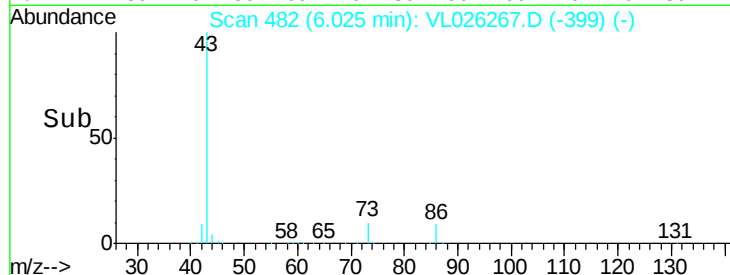
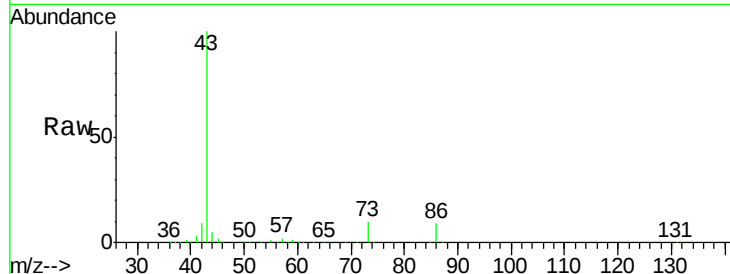
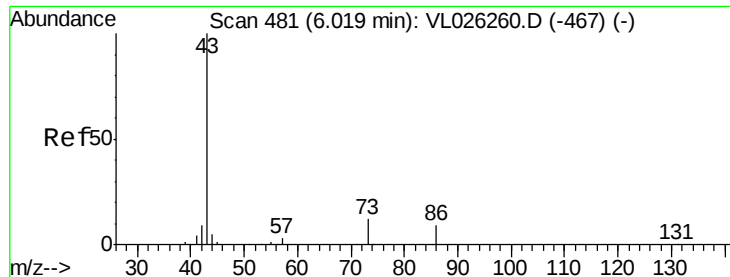
Delta R.T. 0.01 min

Lab File: VL026267.D

Acq: 29 Oct 2015 15:15

Tgt Ion:	96	Resp:	445208
Ion	Ratio	Lower	Upper
96	100		
61	148.7	123.2	184.8
98	62.2	51.4	77.0





#23

Vinyl Acetate

Concen: 9.95 ppbv

RT: 6.03 min Scan# 482

Delta R.T. 0.01 min

Lab File: VL026267.D

Acq: 29 Oct 2015 15:15

Tot Ion: 43 Resp: 1477339

Ion Ratio Lower Upper

43 100

86 9.4 7.3 10.9

42 8.9 7.2 10.8

44 4.5 3.8 5.8

Instrument :

MSVOA_L

ClientSampleId :

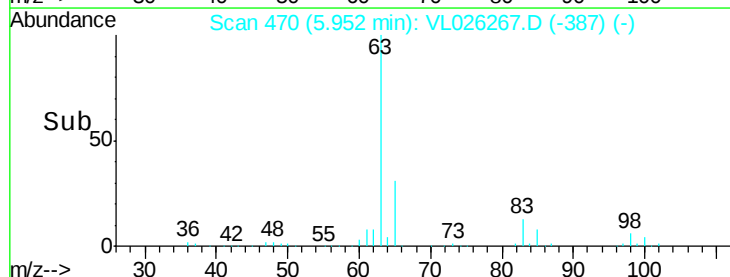
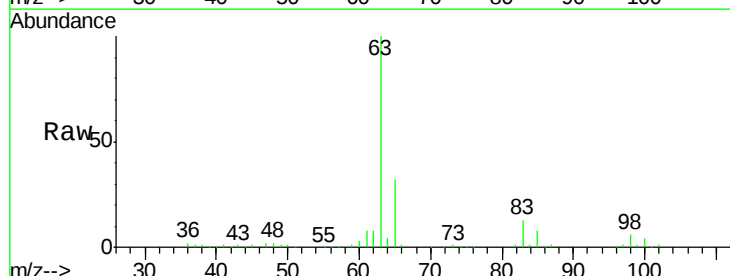
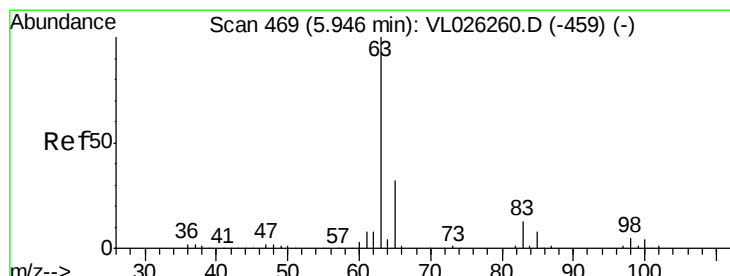
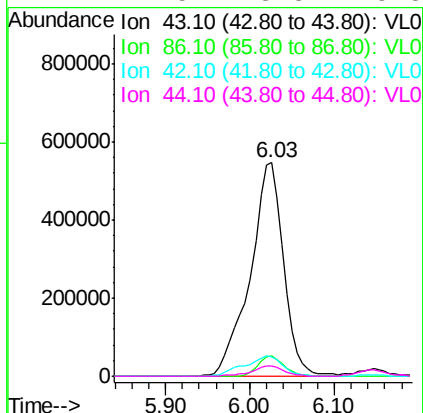
ICVVL102915

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#24

1,1-Dichloroethane

Concen: 9.09 ppbv

RT: 5.95 min Scan# 470

Delta R.T. 0.01 min

Lab File: VL026267.D

Acq: 29 Oct 2015 15:15

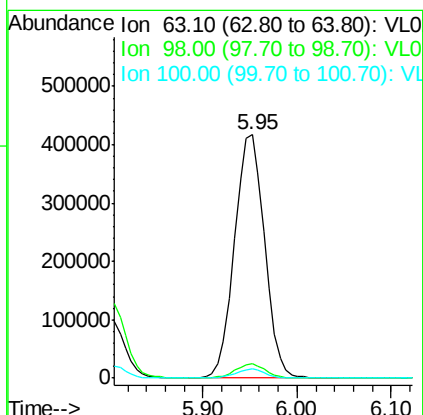
Tgt Ion: 63 Resp: 927585

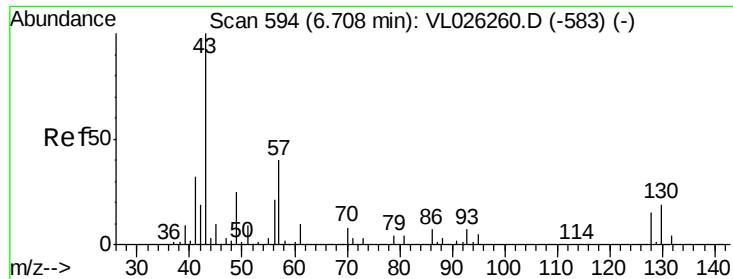
Ion Ratio Lower Upper

63 100

98 5.9 2.7 8.1

100 3.7 1.9 5.7





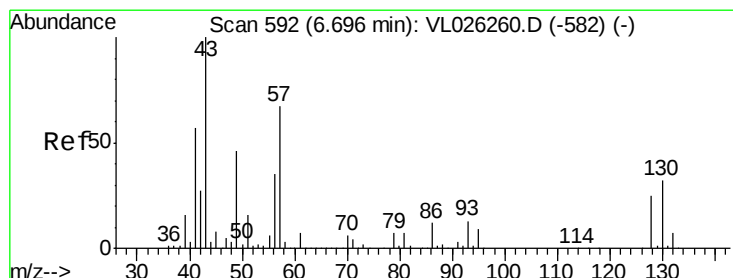
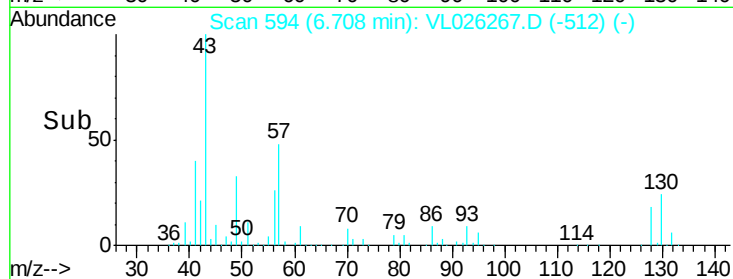
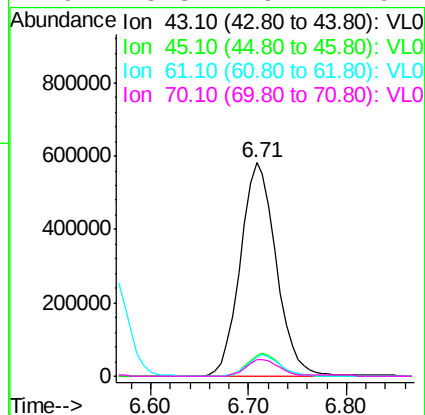
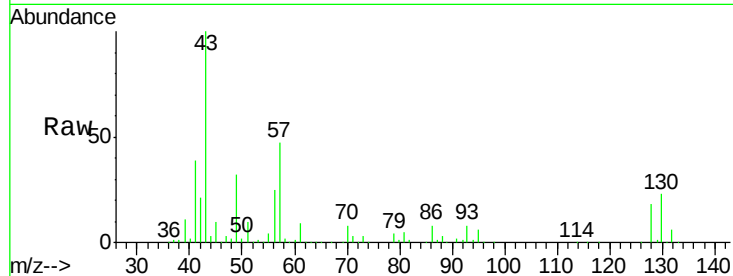
#25
Ethyl Acetate
Concen: 9.17 ppbv
RT: 6.71 min Scan# 594
Delta R.T. 0.00 min
Lab File: VL026267.D
Acq: 29 Oct 2015 15:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL102915

Tot Ion:	43	Resp:	1471580
Ion	Ratio	Lower	Upper
43	100		
45	9.7	7.6	11.4
61	9.5	7.4	11.2
70	8.3	6.7	10.1

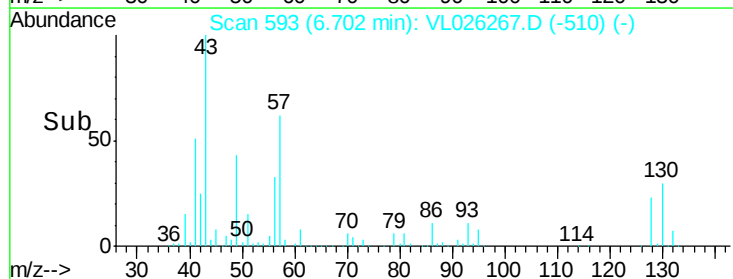
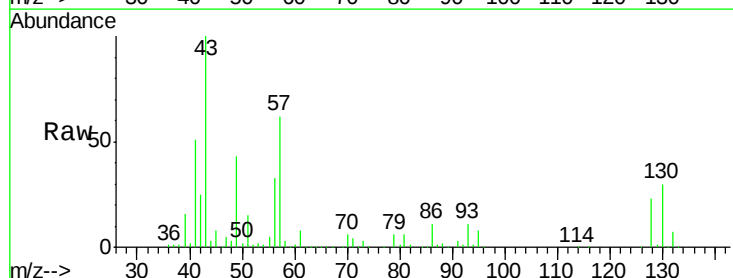
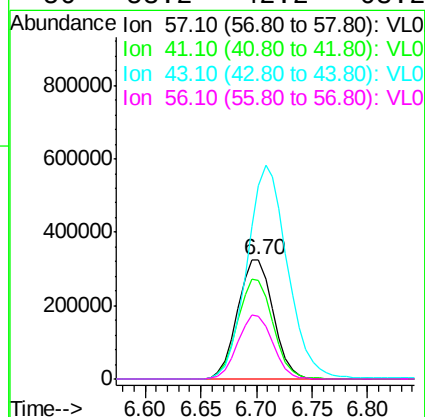
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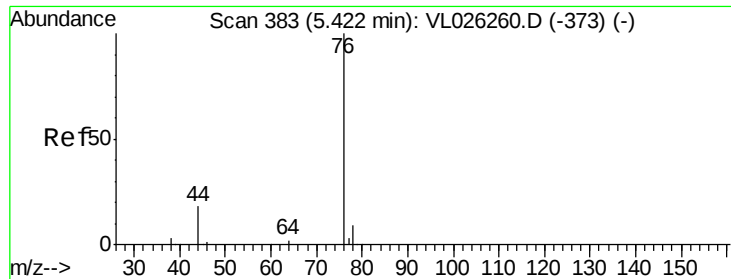
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#26
Hexane
Concen: 9.18 ppbv
RT: 6.70 min Scan# 593
Delta R.T. 0.01 min
Lab File: VL026267.D
Acq: 29 Oct 2015 15:15

Tgt Ion:	57	Resp:	721117
Ion	Ratio	Lower	Upper
57	100		
41	84.6	67.4	101.2
43	206.4	163.9	245.9
56	53.2	42.2	63.2





#27

Carbon Disulfide

Concen: 9.94 ppbv

RT: 5.43 min Scan# 384

Delta R.T. 0.01 min

Lab File: VL026267.D

Acq: 29 Oct 2015 15:15

Instrument :

MSVOA_L

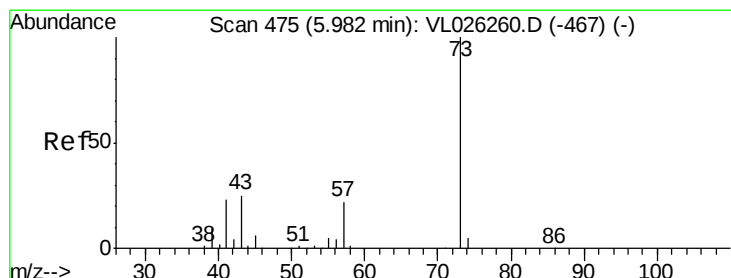
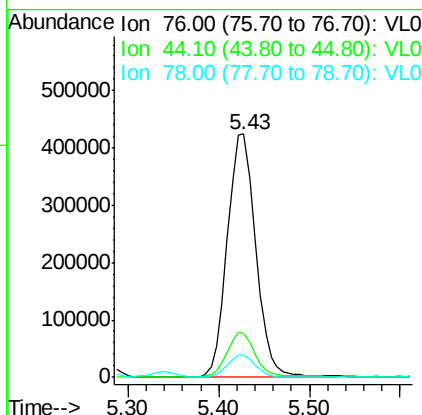
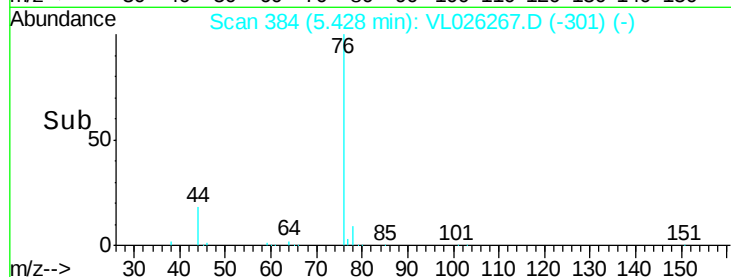
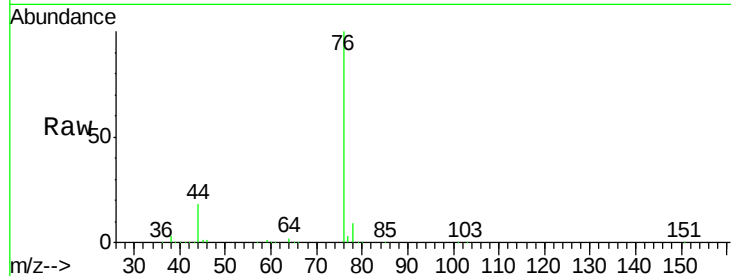
ClientSampleId :

ICVVL102915

Tot Ion:	76	Resp:	934116
Ion Ratio	Lower	Upper	
76	100		
44	18.4	14.1	21.1
78	9.1	7.4	11.0

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#28

Methyl tert-Butyl Ether

Concen: 9.39 ppbv

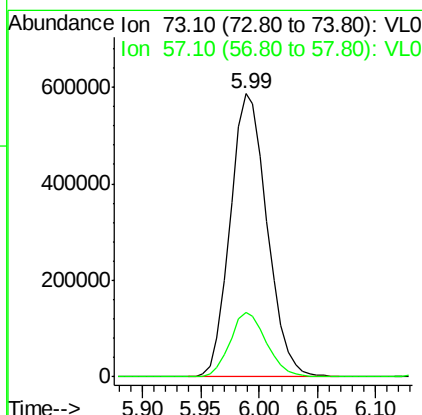
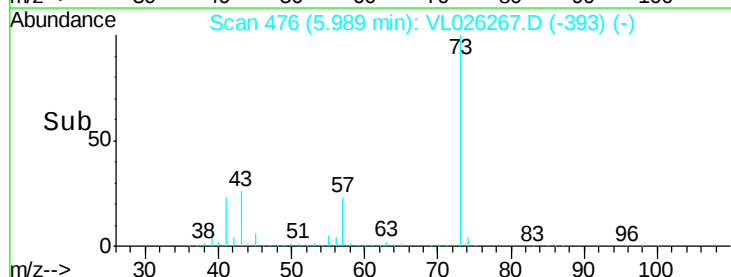
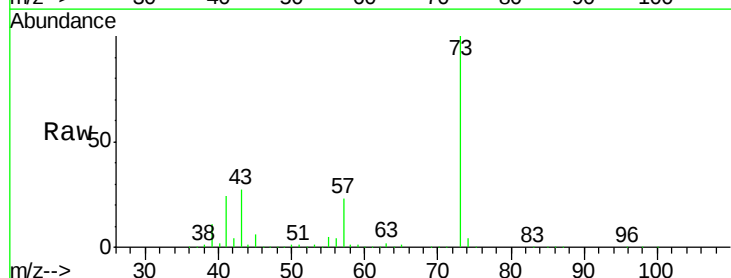
RT: 5.99 min Scan# 476

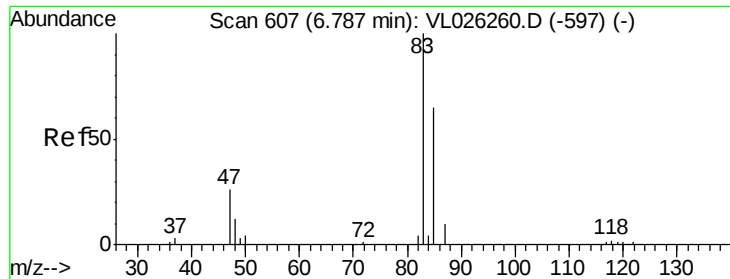
Delta R.T. 0.01 min

Lab File: VL026267.D

Acq: 29 Oct 2015 15:15

Tgt Ion:	73	Resp:	1292172
Ion Ratio	Lower	Upper	
73	100		
57	22.8	17.8	26.6





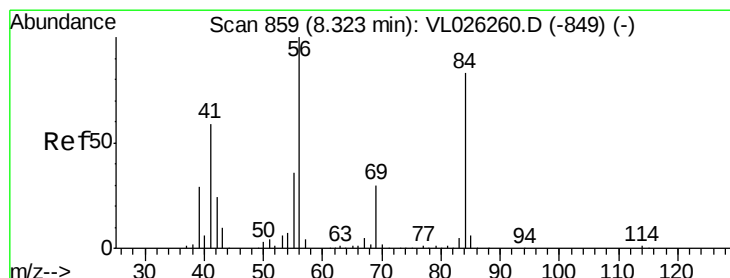
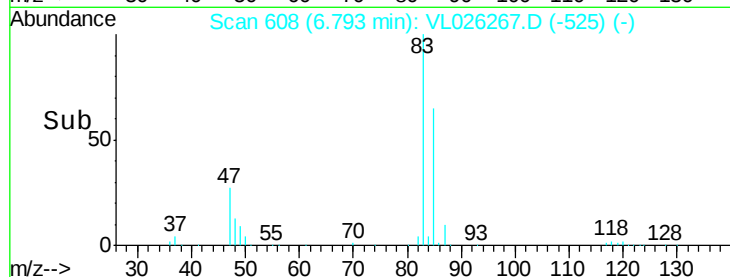
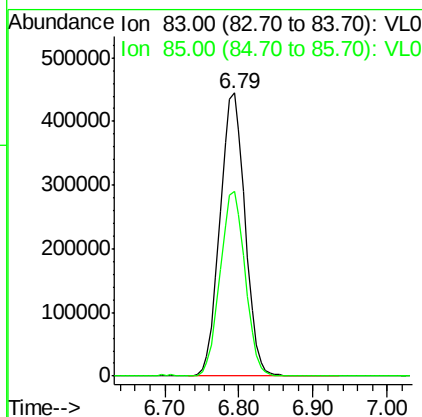
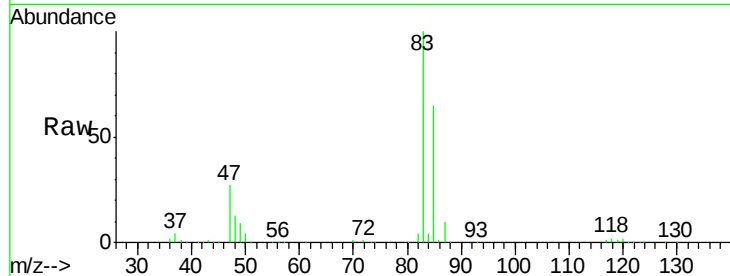
#29
Chloroform
Concen: 8.97 ppbv
RT: 6.79 min Scan# 608
Delta R.T. 0.01 min
Lab File: VL026267.D
Acq: 29 Oct 2015 15:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL102915

Tot Ion: 83 Resp: 1043896
Ion Ratio Lower Upper
83 100
85 65.4 52.0 78.0

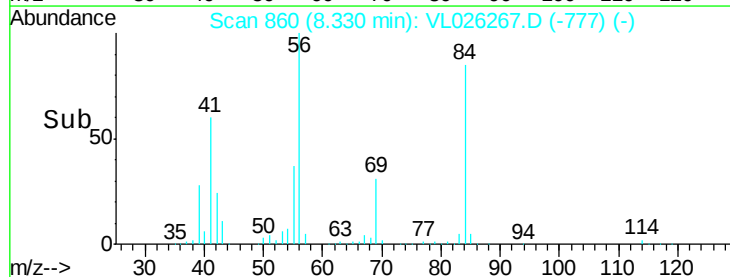
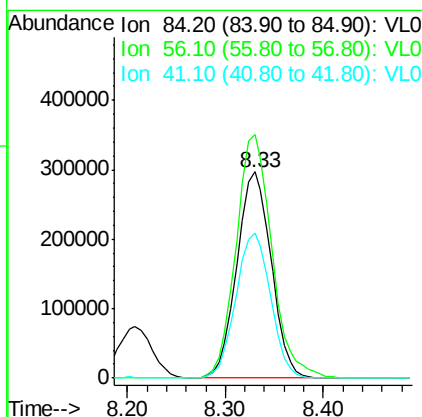
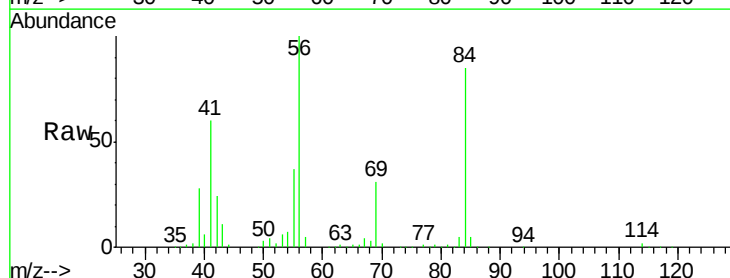
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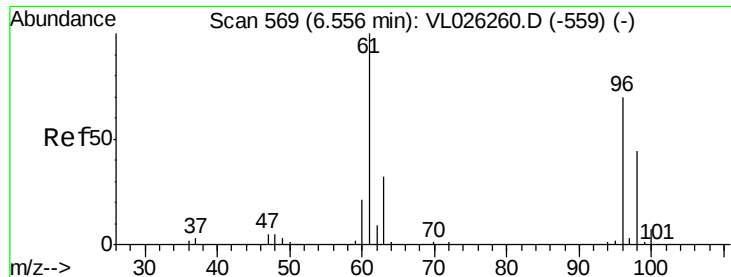
Mmdadoda
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#30
Cyclohexane
Concen: 9.39 ppbv
RT: 8.33 min Scan# 860
Delta R.T. 0.01 min
Lab File: VL026267.D
Acq: 29 Oct 2015 15:15

Tgt Ion: 84 Resp: 724637
Ion Ratio Lower Upper
84 100
56 123.4 99.6 149.4
41 70.9 56.7 85.1





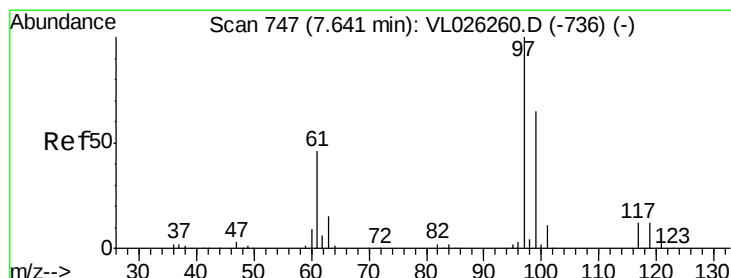
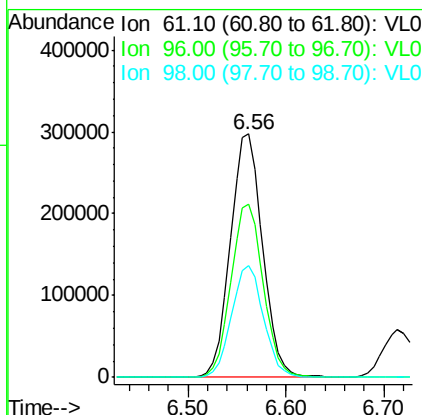
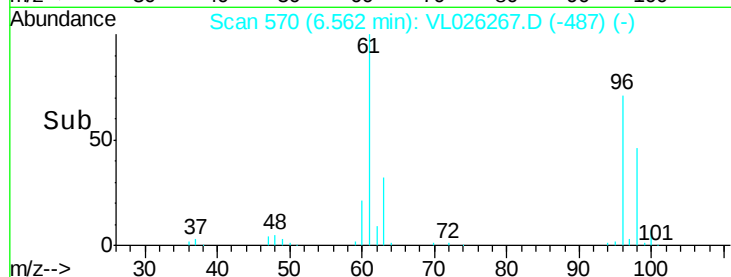
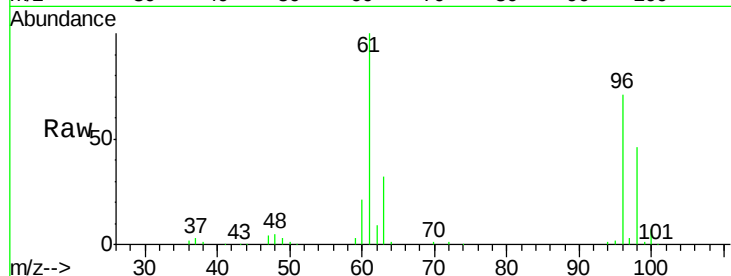
#31
 cis-1,2-Dichloroethene
 Concen: 9.41 ppbv
 RT: 6.56 min Scan# 570
 Delta R.T. 0.01 min
 Lab File: VL026267.D
 Acq: 29 Oct 2015 15:15

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL102915

Tot Ion	Ratio	Resp	Lower	Upper
61	100			
96	71.3	56.2	84.4	
98	45.7	35.4	53.2	

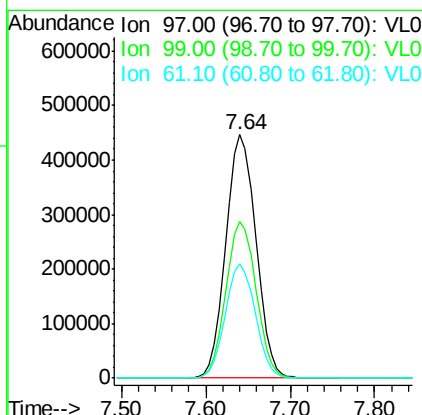
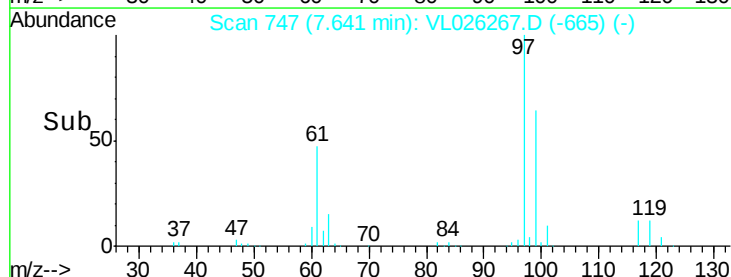
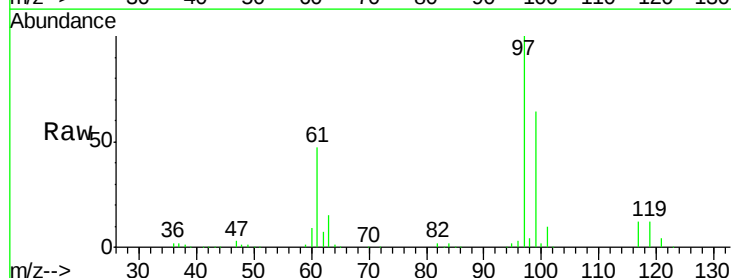
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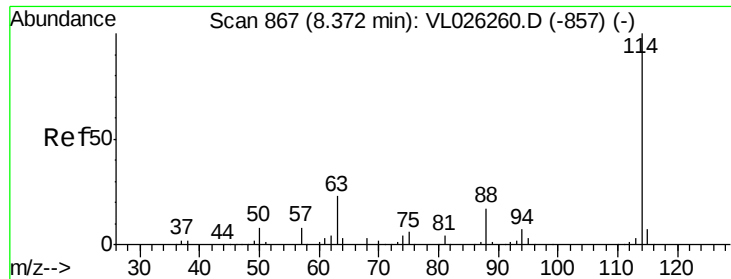
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#32
 1,1,1-Trichloroethane
 Concen: 8.43 ppbv
 RT: 7.64 min Scan# 747
 Delta R.T. 0.00 min
 Lab File: VL026267.D
 Acq: 29 Oct 2015 15:15

Tgt Ion	Ratio	Resp	Lower	Upper
97	100			
99	64.3	51.0	76.6	
61	46.7	37.1	55.7	





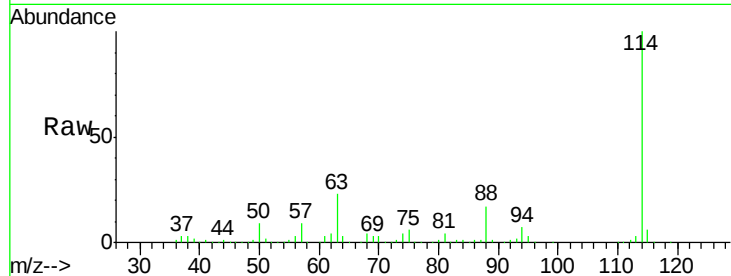
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 8.37 min Scan# 867
 Delta R.T. 0.00 min
 Lab File: VL026267.D
 Acq: 29 Oct 2015 15:15

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL102915

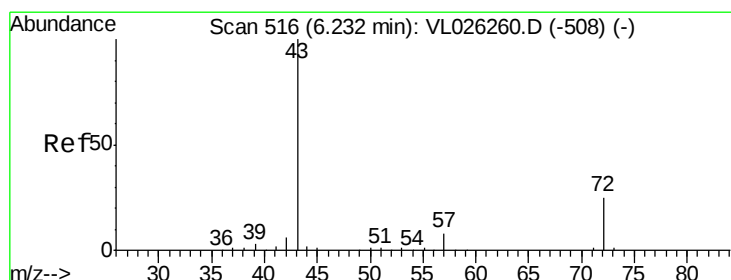
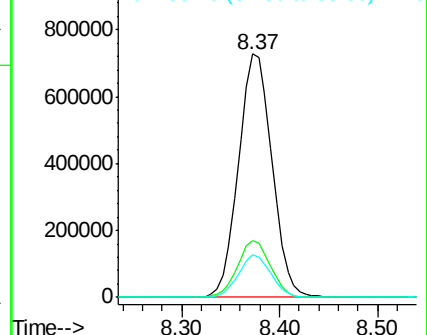
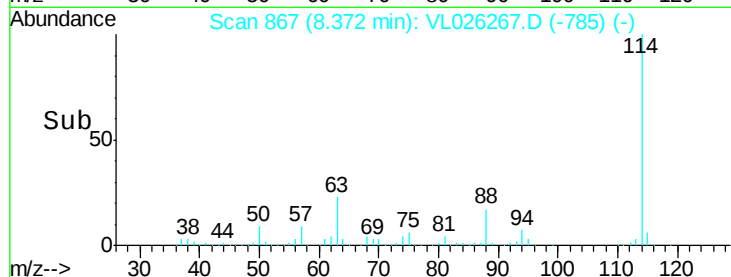
Tot Ion	Ratio	Lower	Upper
114	100		
63	23.2	18.6	28.0
88	17.0	13.4	20.2

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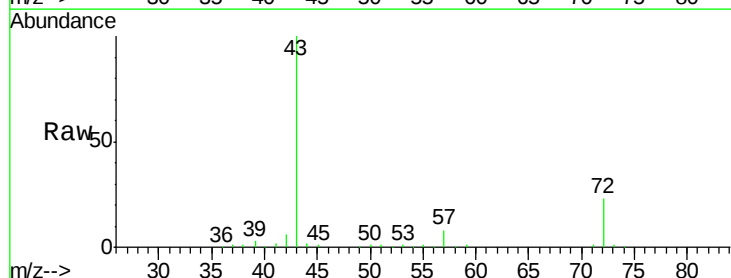


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

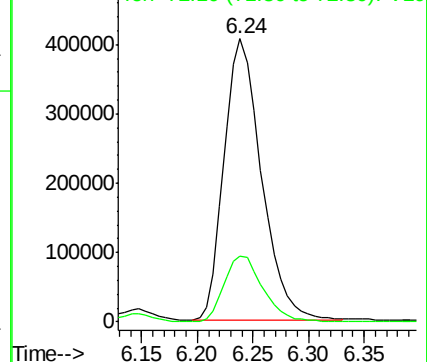
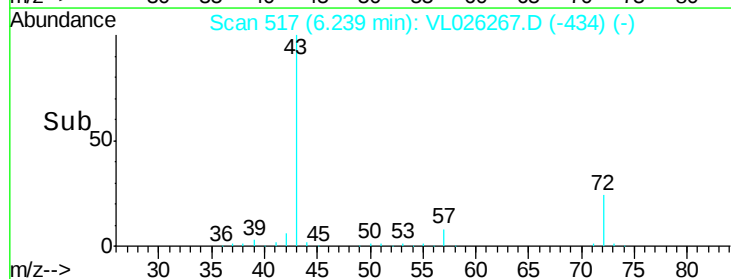


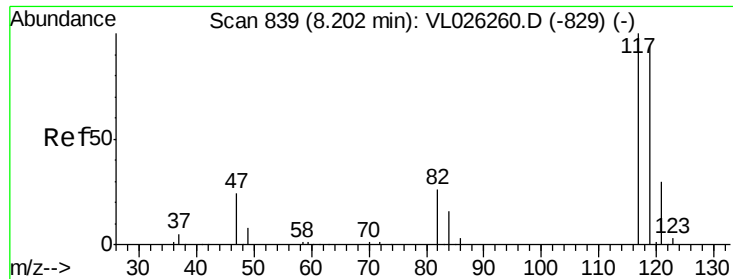
#34
 2-Butanone
 Concen: 9.01 ppbv
 RT: 6.24 min Scan# 517
 Delta R.T. 0.01 min
 Lab File: VL026267.D
 Acq: 29 Oct 2015 15:15

Tgt Ion	Ratio	Lower	Upper
43	100		
72	24.7	19.9	29.9



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 8.47 ppbv

RT: 8.21 min Scan# 840

Delta R.T. 0.01 min

Lab File: VL026267.D

Acq: 29 Oct 2015 15:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL102915

Tot Ion:117 Resp: 1107211

Ion Ratio Lower Upper

117 100

119 96.1 75.2 112.8

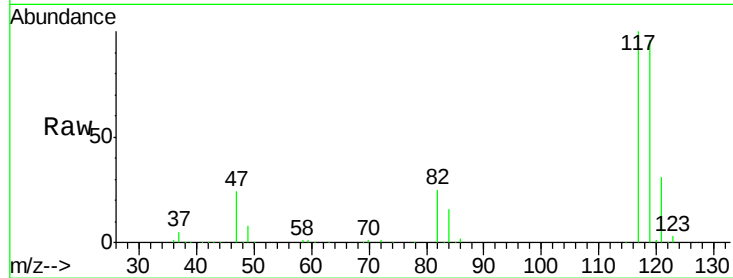
121 30.7 24.2 36.2

Manual Integrations

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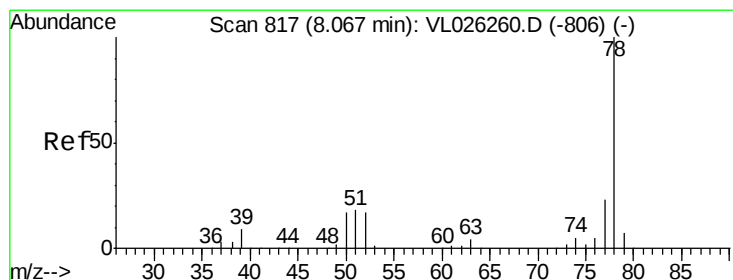
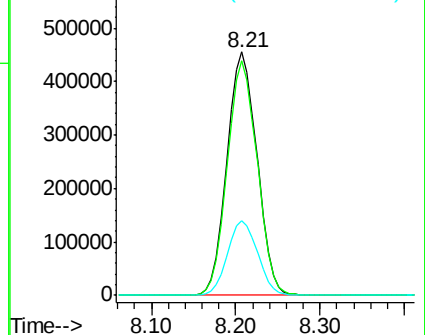
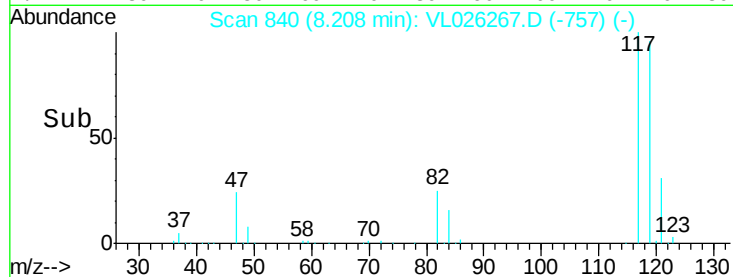
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 8.93 ppbv

RT: 8.07 min Scan# 817

Delta R.T. 0.00 min

Lab File: VL026267.D

Acq: 29 Oct 2015 15:15

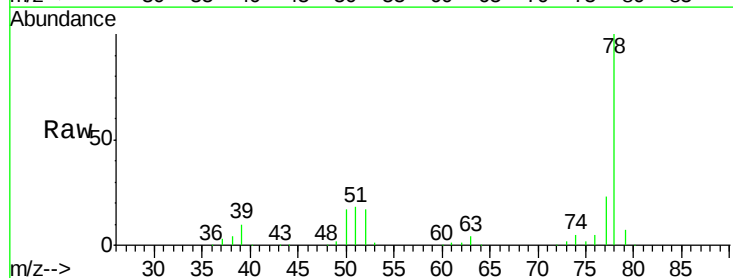
Tgt Ion: 78 Resp: 1639385

Ion Ratio Lower Upper

78 100

77 23.1 18.0 27.0

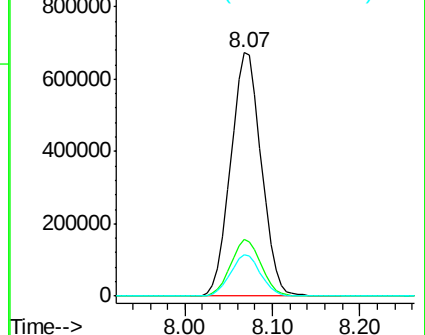
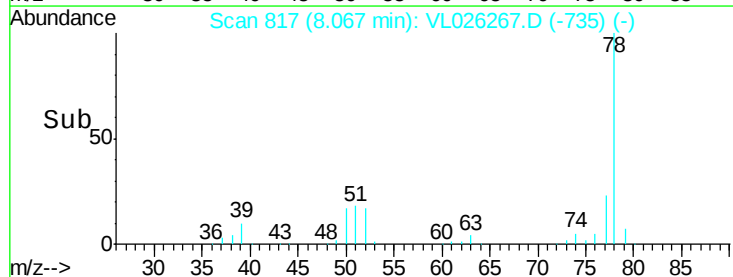
50 17.2 13.3 19.9

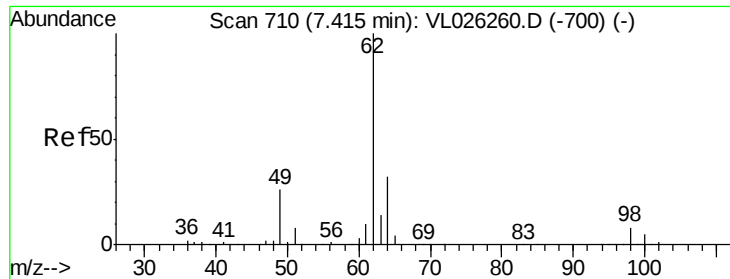


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





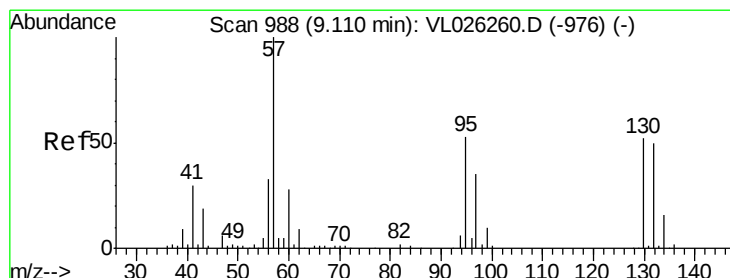
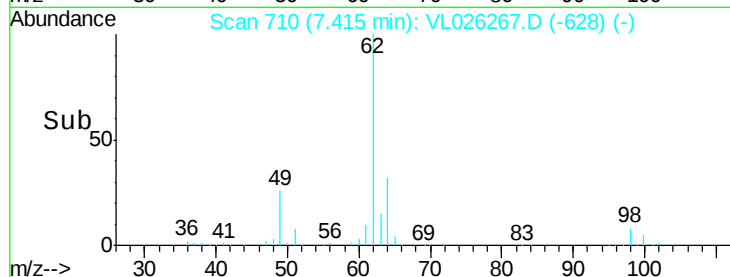
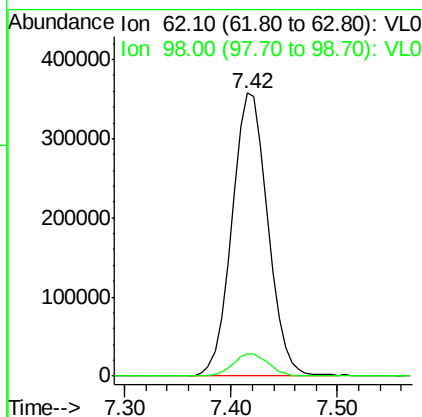
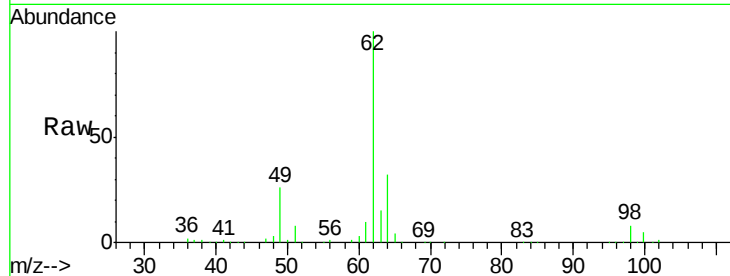
#37
 1,2-Dichloroethane
 Concen: 8.93 ppbv
 RT: 7.42 min Scan# 710
 Delta R.T. 0.00 min
 Lab File: VL026267.D
 Acq: 29 Oct 2015 15:15

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL102915

Tot Ion	Ratio	Resp	Lower	Upper
62	100	845899		
98	7.9		6.3	9.5

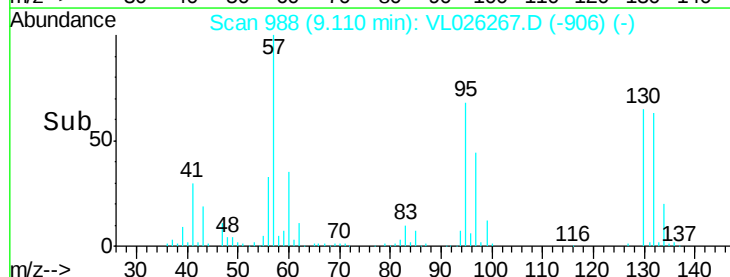
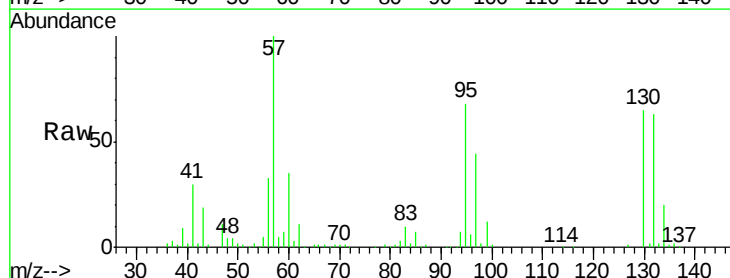
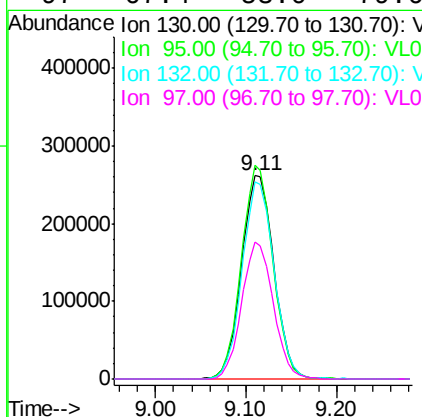
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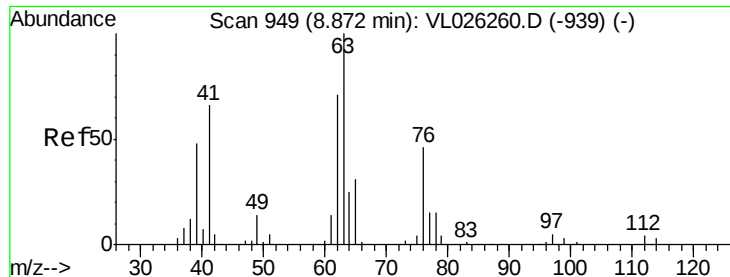
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#38
 Trichloroethene
 Concen: 7.36 ppbv
 RT: 9.11 min Scan# 988
 Delta R.T. 0.00 min
 Lab File: VL026267.D
 Acq: 29 Oct 2015 15:15

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	649468		
95	105.1		80.8	121.2
132	96.9		76.2	114.2
97	67.4		53.0	79.6





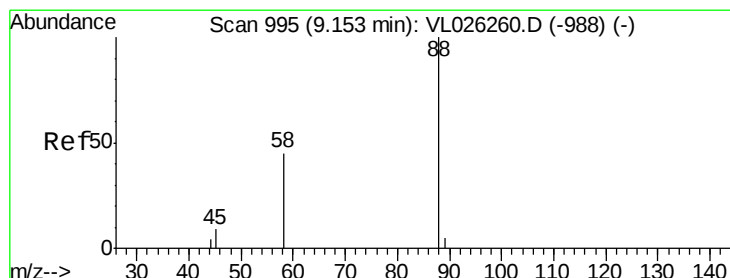
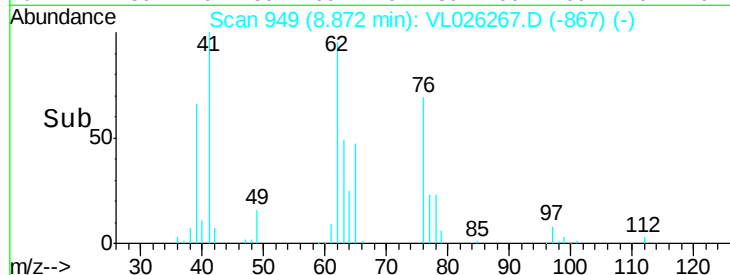
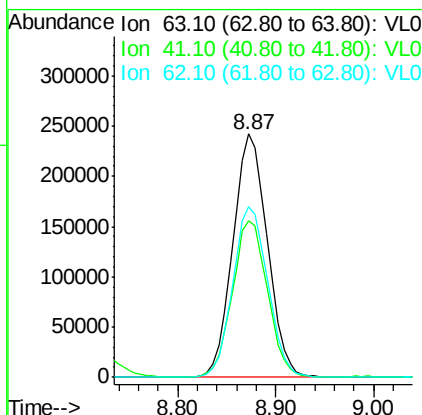
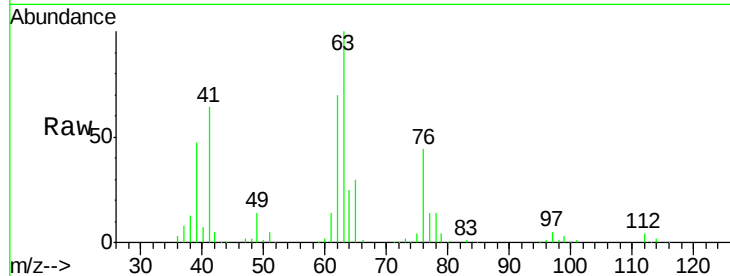
#39
 1,2-Dichloropropane
 Concen: 8.87 ppbv
 RT: 8.87 min Scan# 949
 Delta R.T. 0.00 min
 Lab File: VL026267.D
 Acq: 29 Oct 2015 15:15

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL102915

Tot Ion	Ratio	Lower	Upper
63	100		
41	64.3	53.2	79.8
62	70.1	57.1	85.7

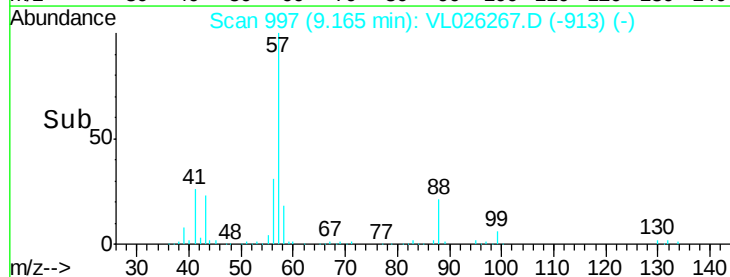
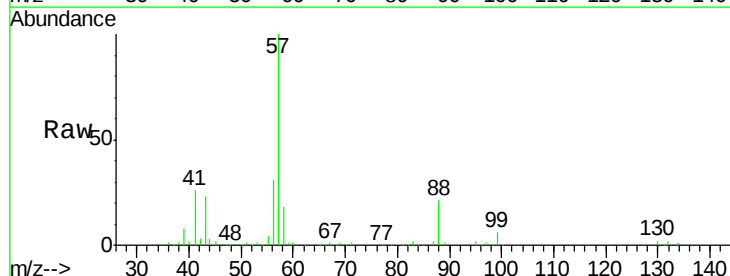
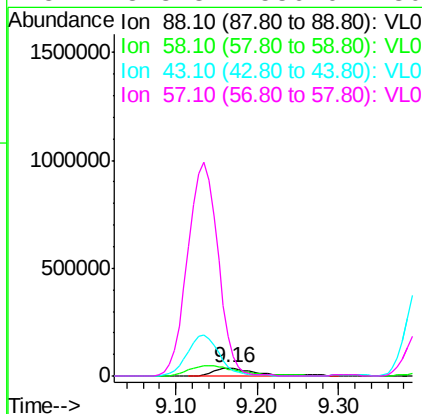
Manual Integrations
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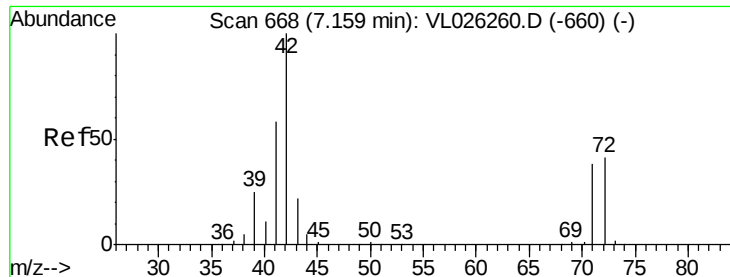
Mmdadoda
 10/30/2015 12:06:36 PM



#40
 1,4-Dioxane
 Concen: 12.25 ppbv
 RT: 9.16 min Scan# 997
 Delta R.T. 0.01 min
 Lab File: VL026267.D
 Acq: 29 Oct 2015 15:15

Tgt Ion	Ratio	Lower	Upper
88	100		
58	152.0	126.2	189.2
43	372.1	307.3	460.9
57	1848.8	1536.6	2304.8





#41

Tetrahydrofuran

Concen: 9.41 ppbv

RT: 7.16 min Scan# 668

Delta R.T. 0.00 min

Lab File: VL026267.D

Acq: 29 Oct 2015 15:15

Instrument :

MSVOA_L

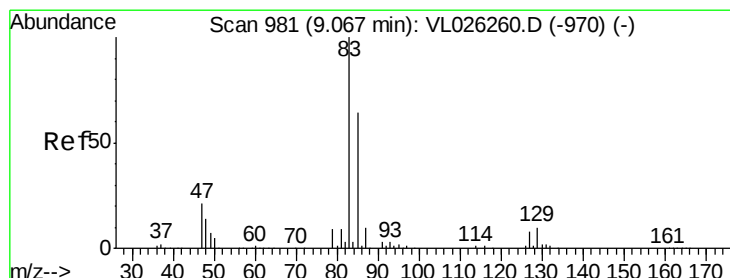
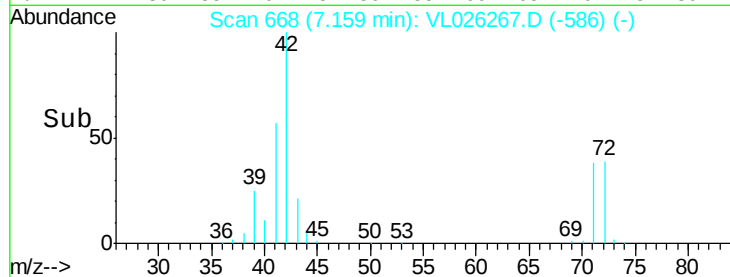
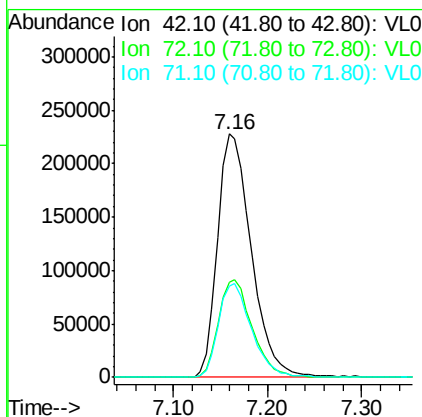
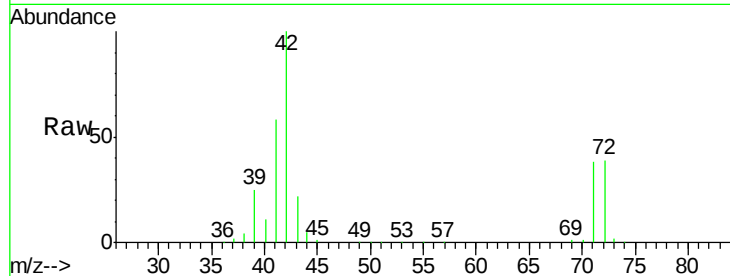
ClientSampleId :

ICVVL102915

Tot Ion:	42	Resp:	569599
Ion	Ratio	Lower	Upper
42	100		
72	40.0	32.2	48.4
71	37.9	30.4	45.6

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#42

Bromodichloromethane

Concen: 9.23 ppbv

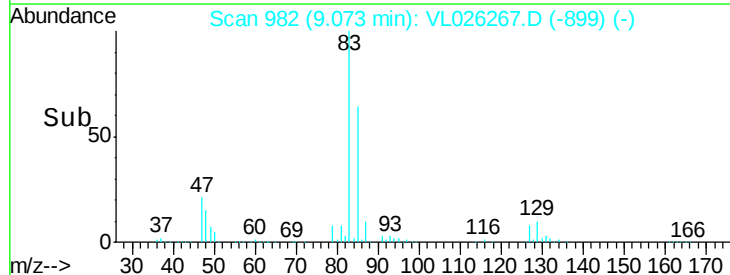
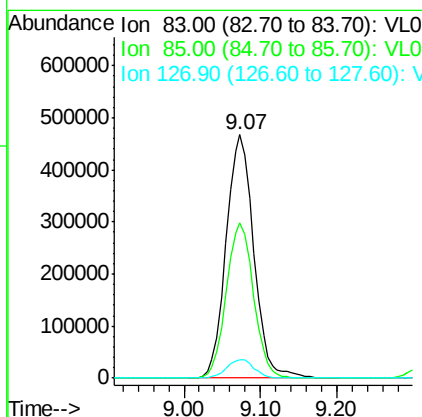
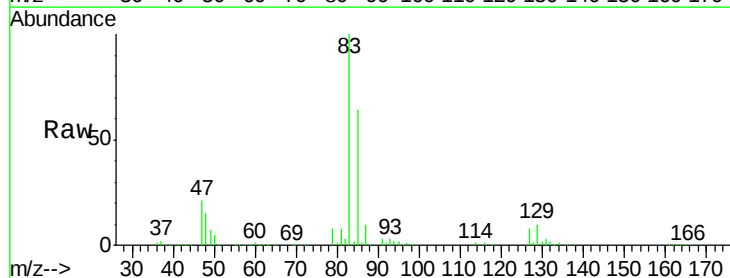
RT: 9.07 min Scan# 982

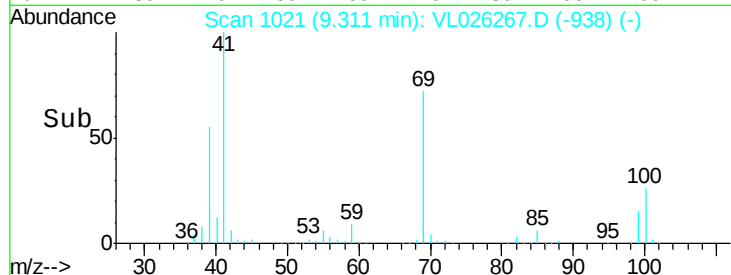
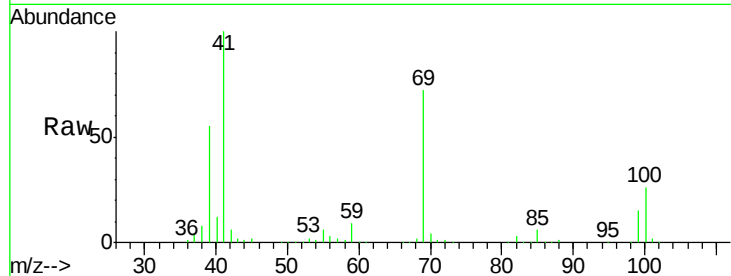
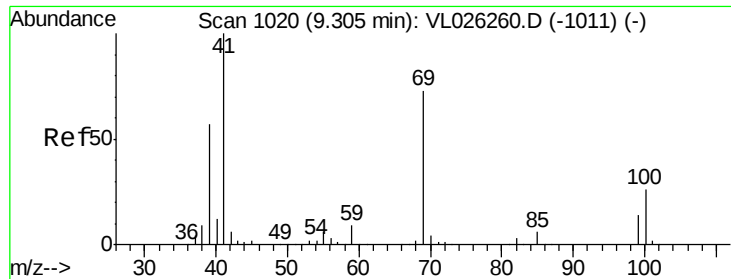
Delta R.T. 0.01 min

Lab File: VL026267.D

Acq: 29 Oct 2015 15:15

Tgt Ion:	83	Resp:	1170980
Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.2	76.8
127	7.7	6.2	9.4





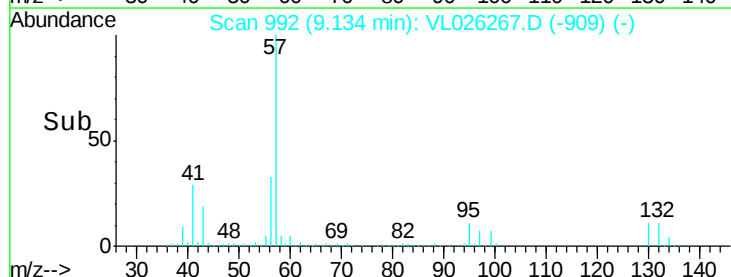
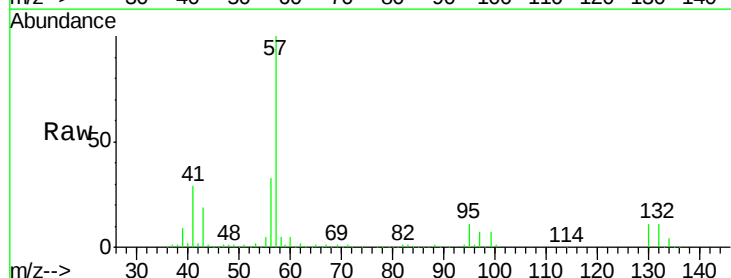
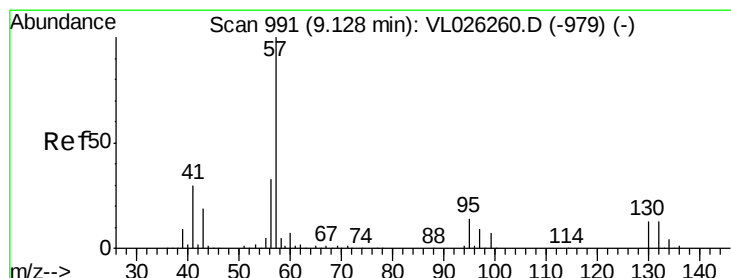
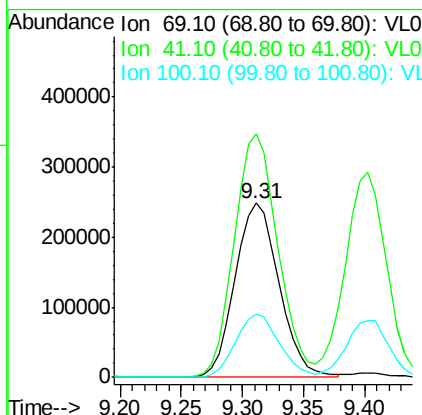
#43
Methvl Methacrilate
Concen: 9.52 ppbv
RT: 9.31 min Scan# 1021
Delta R.T. 0.01 min
Lab File: VL026267.D
Acq: 29 Oct 2015 15:15

Tot Ion	Ratio	Lower	Upper
69	100		
41	137.5	110.0	165.0
100	35.9	28.6	43.0

Instrument :
MSVOA_L
ClientSampleId :
ICVVL102915

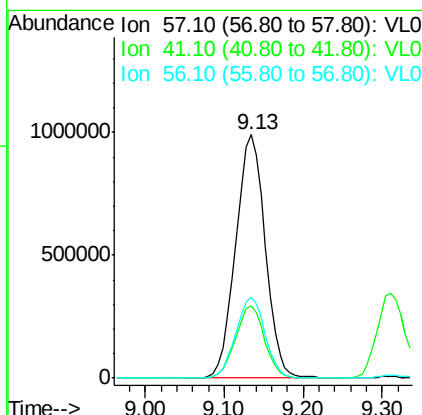
Manual Integrations
APPROVED

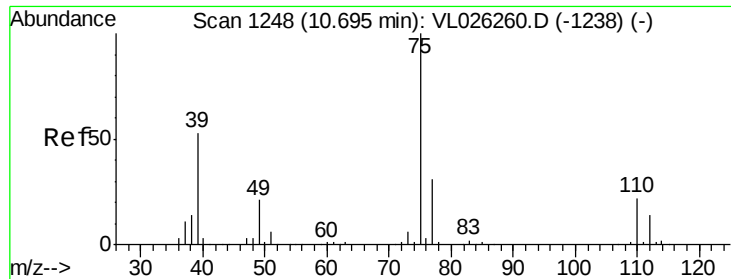
Mmdadoda
10/30/2015 12:06:36 PM



#44
2,2,4-Trimethylpentane
Concen: 8.63 ppbv
RT: 9.13 min Scan# 992
Delta R.T. 0.01 min
Lab File: VL026267.D
Acq: 29 Oct 2015 15:15

Tgt Ion	Ratio	Lower	Upper
57	100		
41	29.0	23.1	34.7
56	32.9	26.3	39.5





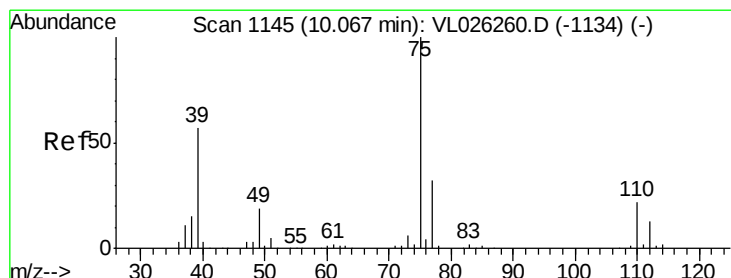
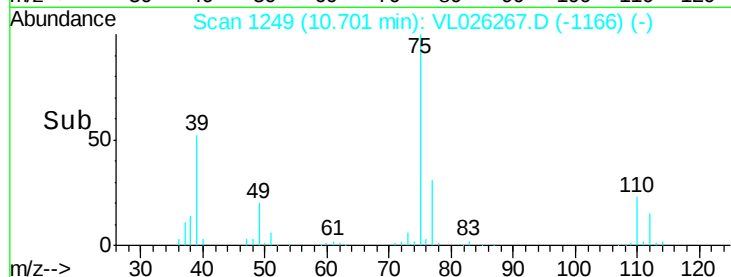
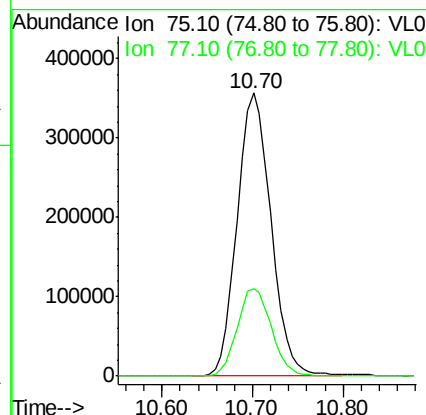
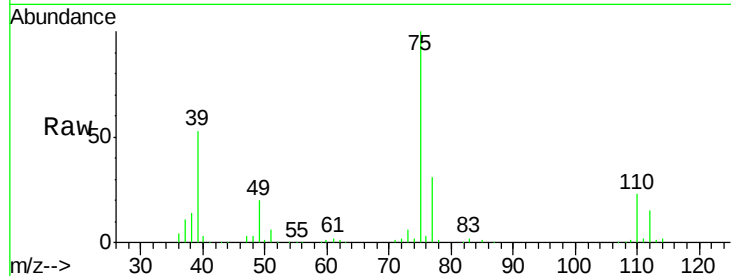
#45
t-1,3-Dichloropropene
Concen: 10.07 ppbv
RT: 10.70 min Scan# 1249
Delta R.T. 0.01 min
Lab File: VL026267.D
Acq: 29 Oct 2015 15:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL102915

Tot Ion: 75 Resp: 926510
Ion Ratio Lower Upper
75 100
77 30.8 24.7 37.1

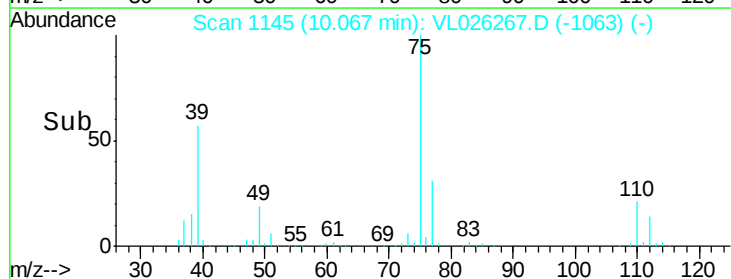
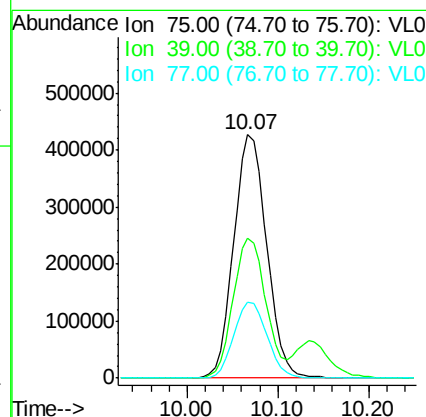
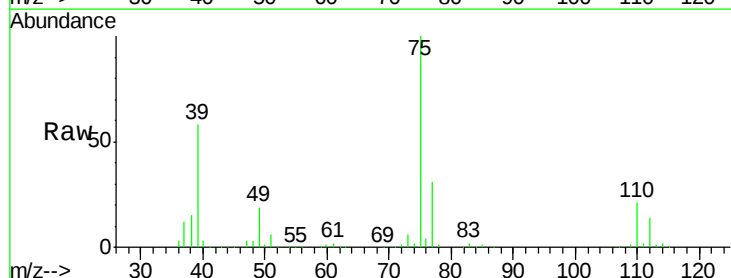
Manual Integrations
APPROVED

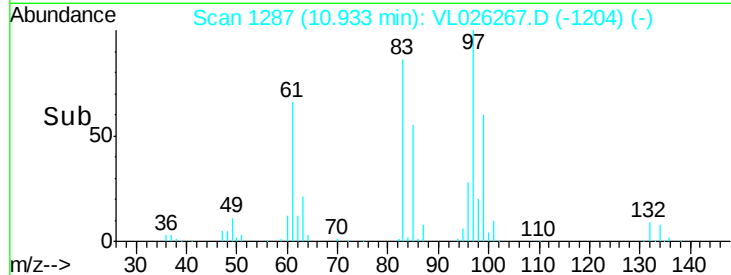
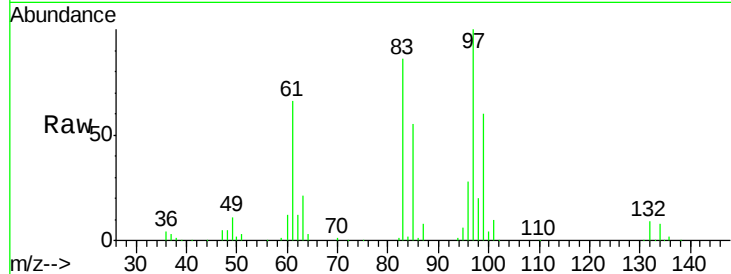
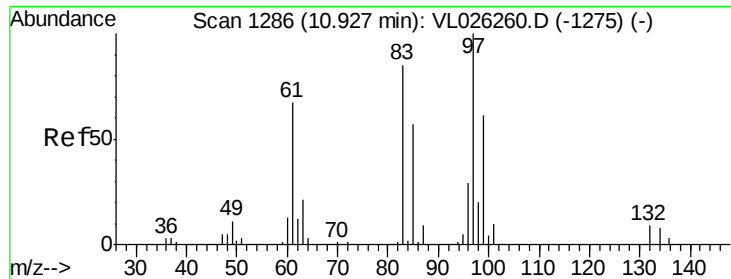
Mmdadoda
10/30/2015 12:06:36 PM



#46
cis-1,3-Dichloropropene
Concen: 9.64 ppbv
RT: 10.07 min Scan# 1145
Delta R.T. 0.00 min
Lab File: VL026267.D
Acq: 29 Oct 2015 15:15

Tgt Ion: 75 Resp: 1079161
Ion Ratio Lower Upper
75 100
39 57.6 45.8 68.8
77 31.3 25.3 37.9





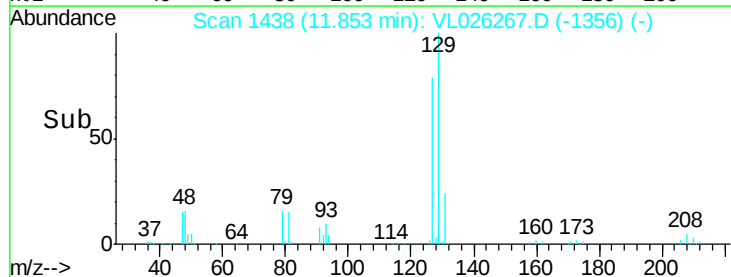
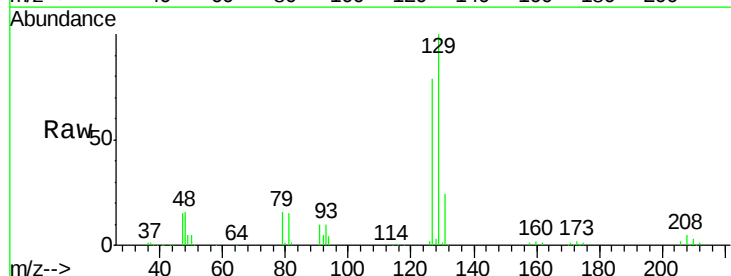
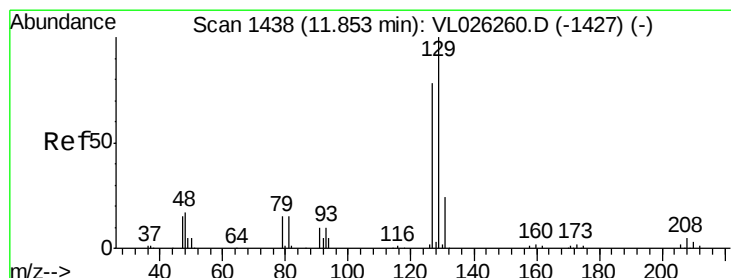
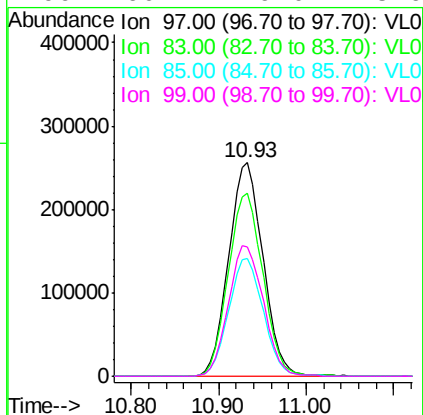
#47
1,1,2-Trichloroethane
Concen: 8.66 ppbv
RT: 10.93 min Scan# 1287
Delta R.T. 0.01 min
Lab File: VL026267.D
Acq: 29 Oct 2015 15:15

Tot Ion	Ratio	Resp	Lower	Upper
97	100	699989		
83	85.5	67.9	101.9	
85	54.9	45.2	67.8	
99	60.4	49.0	73.6	

Instrument :
MSVOA_L
ClientSampleId :
ICVVL102915

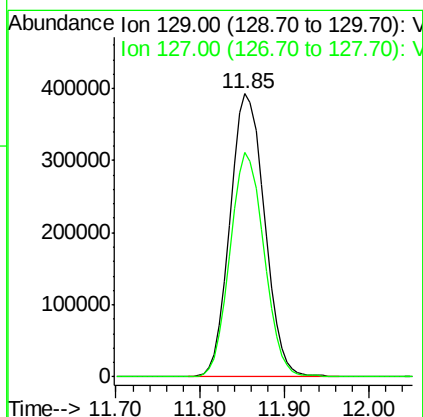
Manual Integrations
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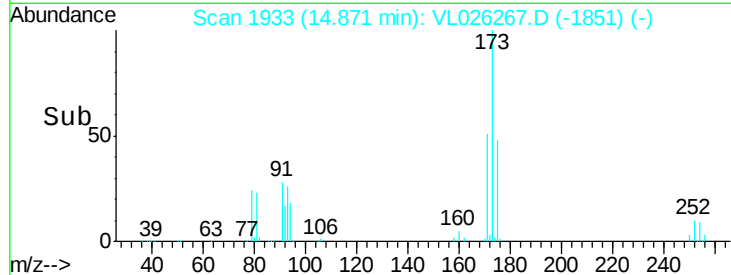
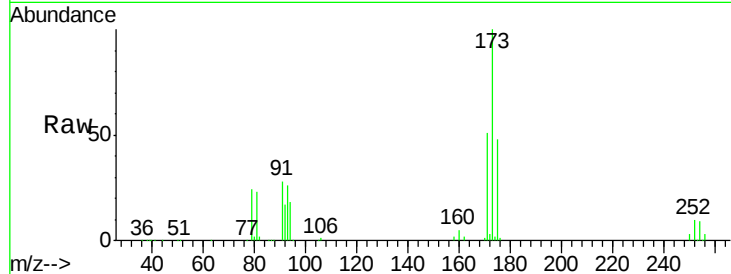
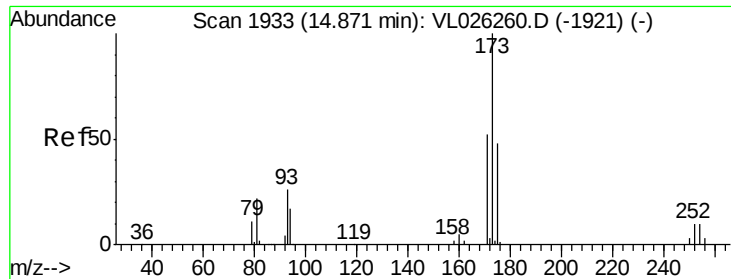
Mmdadoda
10/30/2015 12:06:36 PM



#48
Dibromochloromethane
Concen: 9.48 ppbv
RT: 11.85 min Scan# 1438
Delta R.T. 0.00 min
Lab File: VL026267.D
Acq: 29 Oct 2015 15:15

Tgt Ion	Ratio	Resp	Lower	Upper
129	100	1095964		
127	78.5	39.1	117.2	





#49

Bromoform

Concen: 9.92 ppbv

RT: 14.87 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VL026267.D

Acq: 29 Oct 2015 15:15

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	38.8	58.2
171	51.7	41.7	62.5

Instrument :

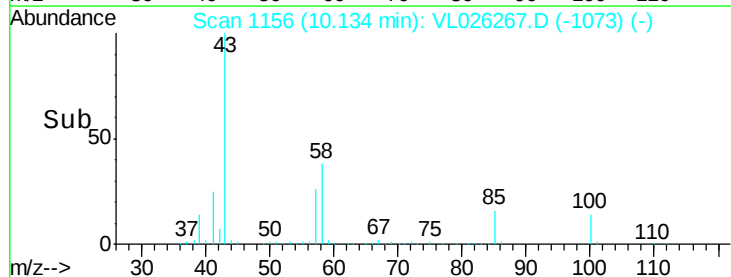
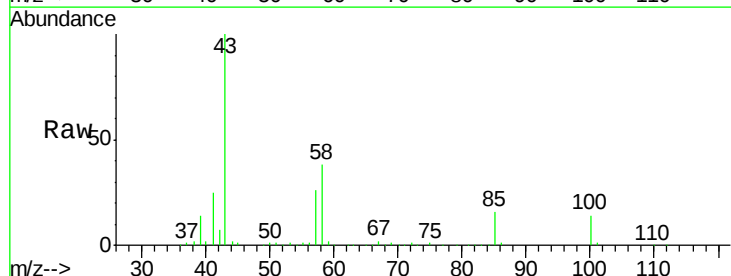
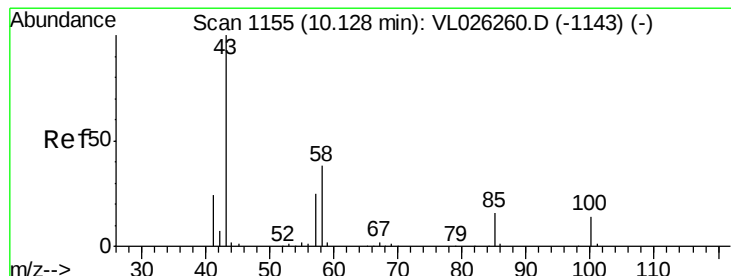
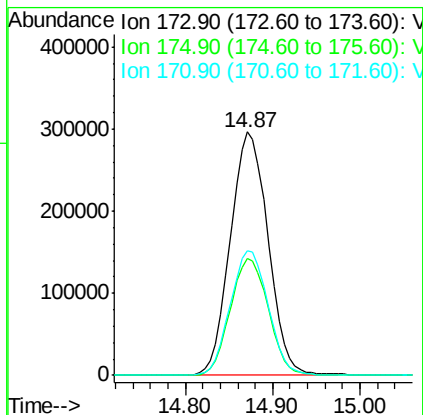
MSVOA_L

ClientSampleId :

ICVVL102915

Manual Integrations
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#50

4-Methyl-2-Pentanone

Concen: 9.36 ppbv

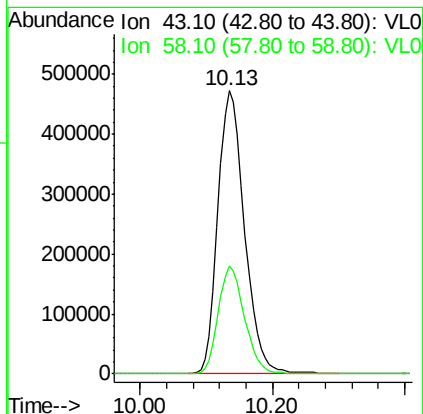
RT: 10.13 min Scan# 1156

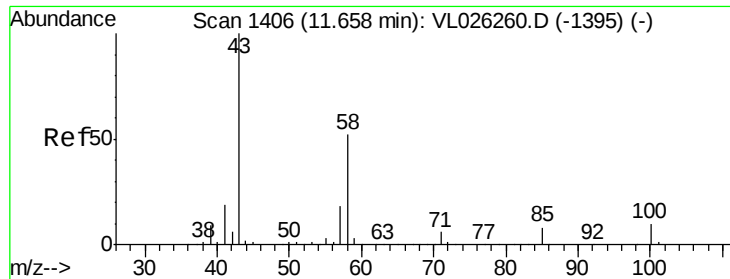
Delta R.T. 0.01 min

Lab File: VL026267.D

Acq: 29 Oct 2015 15:15

Tgt Ion	Ratio	Lower	Upper
43	100		
58	37.9	30.5	45.7





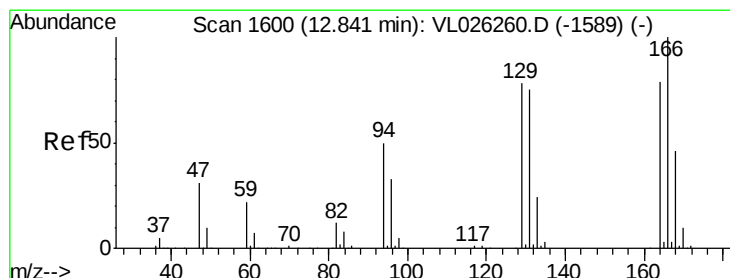
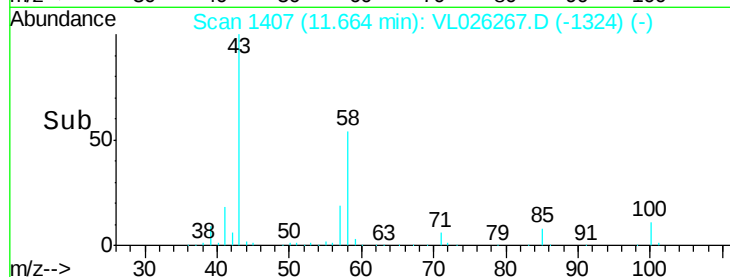
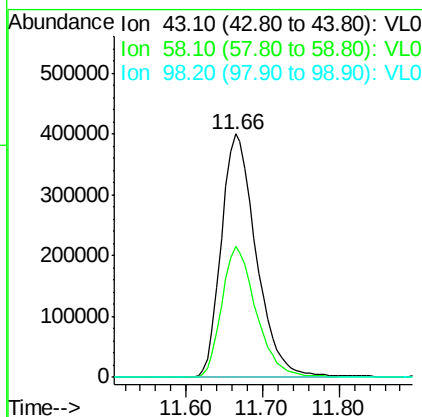
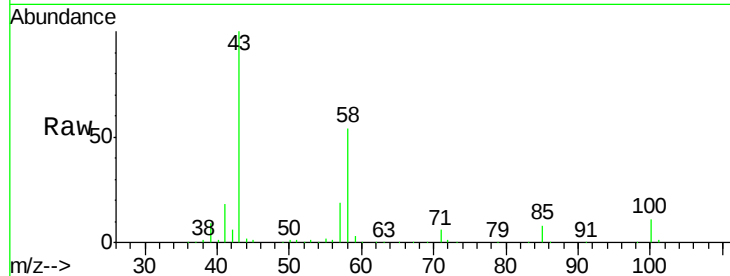
#51
2-Hexanone
Concen: 9.90 ppbv
RT: 11.66 min Scan# 1407
Delta R.T. 0.01 min
Lab File: VL026267.D
Acq: 29 Oct 2015 15:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL102915

Tot Ion: 43 Resp: 1264287
Ion Ratio Lower Upper
43 100
58 53.1 42.7 64.1
98 0.0 0.0 0.0

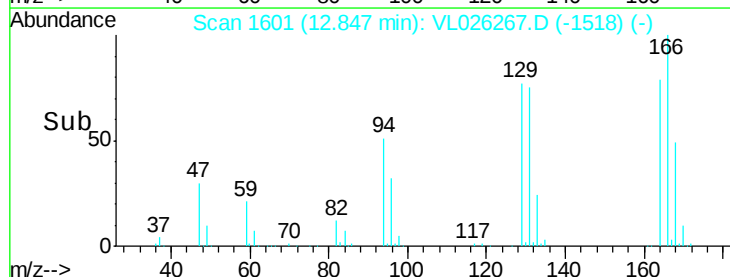
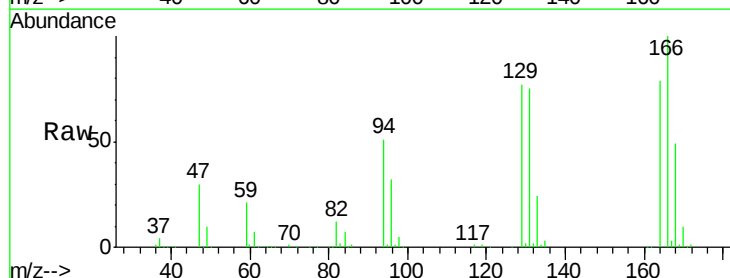
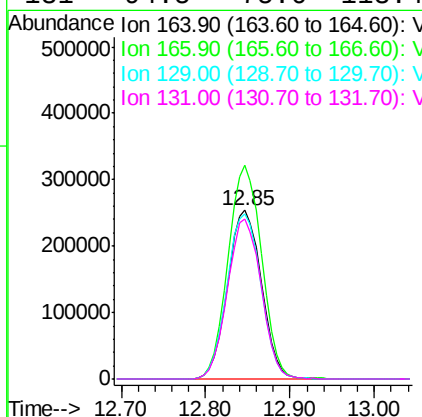
Manual Integrations
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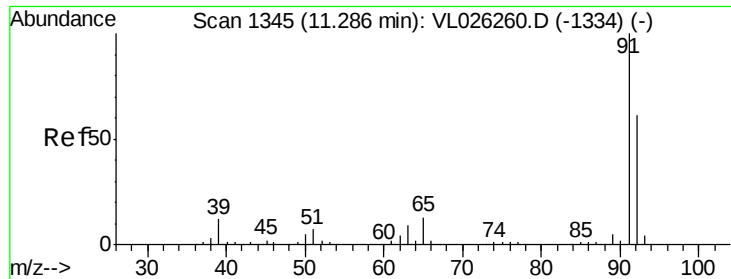
Mmdadoda
10/30/2015 12:06:36 PM



#52
Tetrachloroethene
Concen: 7.46 ppbv
RT: 12.85 min Scan# 1601
Delta R.T. 0.01 min
Lab File: VL026267.D
Acq: 29 Oct 2015 15:15

Tgt Ion: 164 Resp: 690783
Ion Ratio Lower Upper
164 100
166 126.5 101.4 152.0
129 97.6 78.8 118.2
131 94.5 75.6 113.4





#53

Toluene

Concen: 8.89 ppbv

RT: 11.29 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VL026267.D

Acq: 29 Oct 2015 15:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL102915

Tot Ion: 91 Resp: 2121048

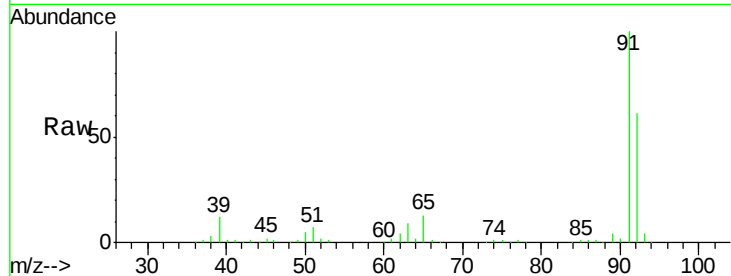
Ion Ratio Lower Upper

91 100

92 60.4 48.6 73.0

Manual Integrations
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

11.29

800000

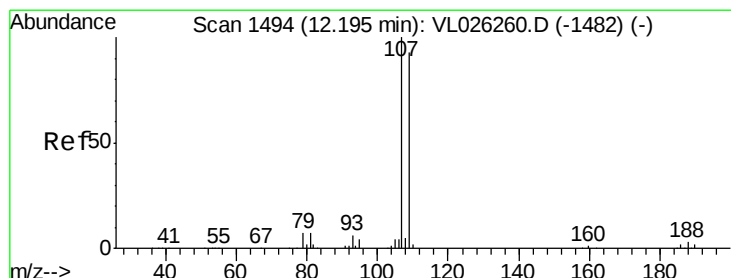
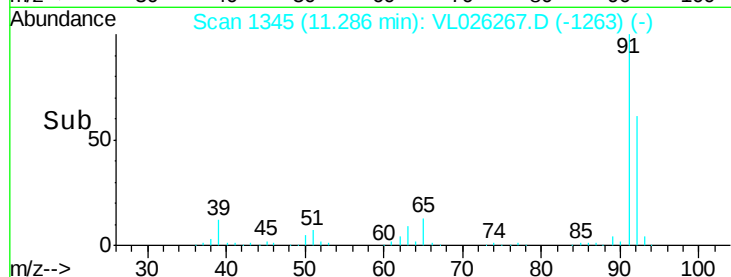
600000

400000

200000

0

Time-->



#54

1,2-Dibromoethane

Concen: 8.72 ppbv

RT: 12.19 min Scan# 1494

Delta R.T. 0.00 min

Lab File: VL026267.D

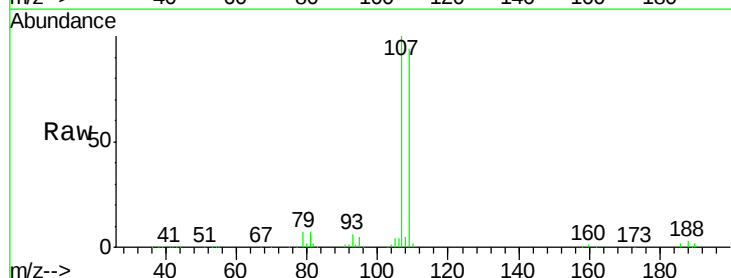
Acq: 29 Oct 2015 15:15

Tgt Ion:107 Resp: 1066799

Ion Ratio Lower Upper

107 100

109 93.7 74.6 112.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

12.19

400000

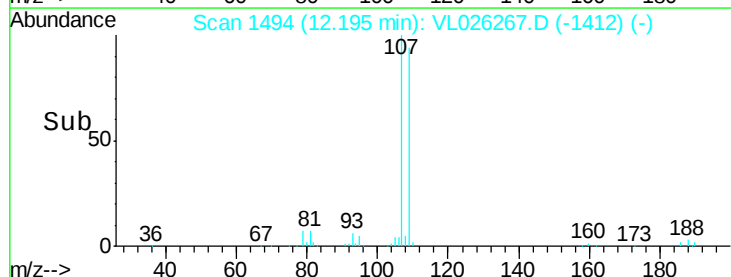
300000

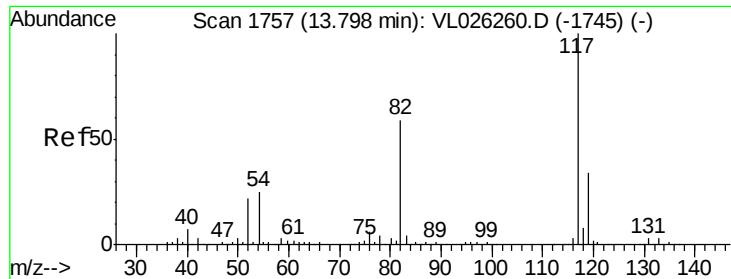
200000

100000

0

Time-->





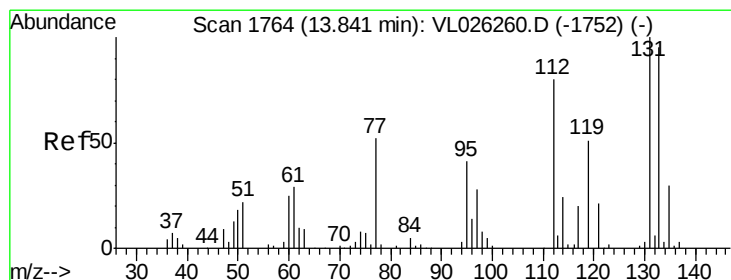
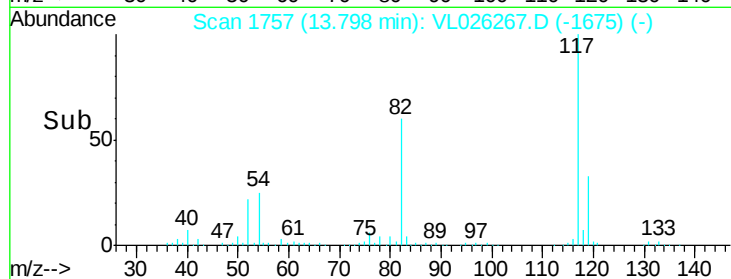
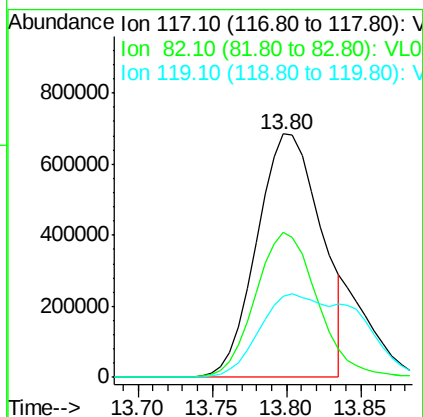
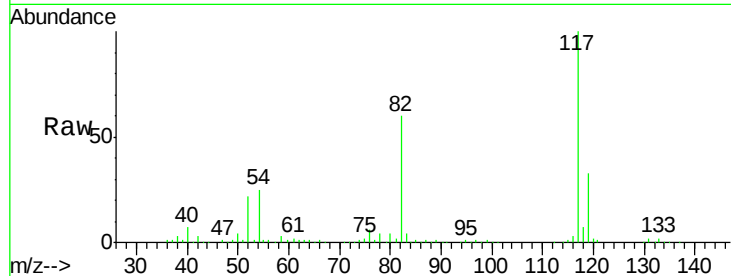
#55
Chlorobenzene-d5
Concen: 10.00 ppbv m
RT: 13.80 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VL026267.D
Acq: 29 Oct 2015 15:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL102915

Tot Ion:117 Resp: 2048291
Ion Ratio Lower Upper
117 100
82 58.2 48.2 72.4
119 54.8 46.2 69.2

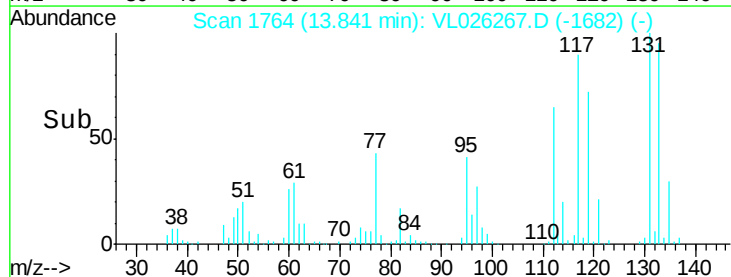
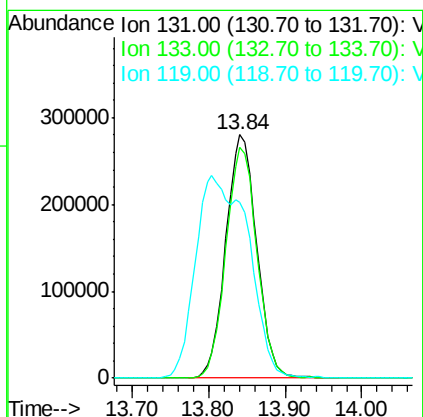
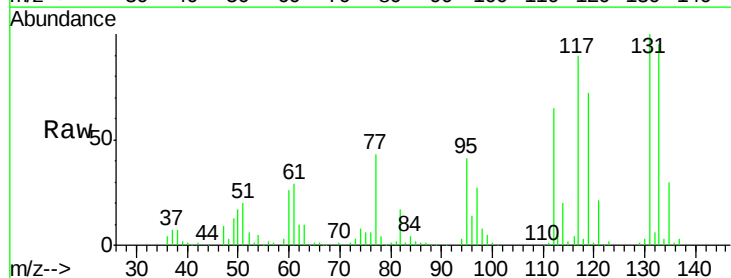
Manual Integrations
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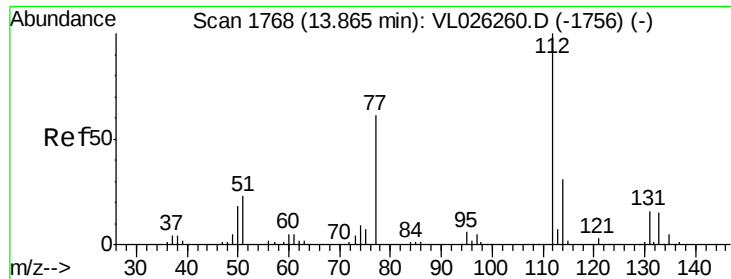
Mmdadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 8.74 ppbv
RT: 13.84 min Scan# 1764
Delta R.T. 0.00 min
Lab File: VL026267.D
Acq: 29 Oct 2015 15:15

Tgt Ion:131 Resp: 784741
Ion Ratio Lower Upper
131 100
133 95.6 76.1 114.1
119 143.1 111.3 166.9





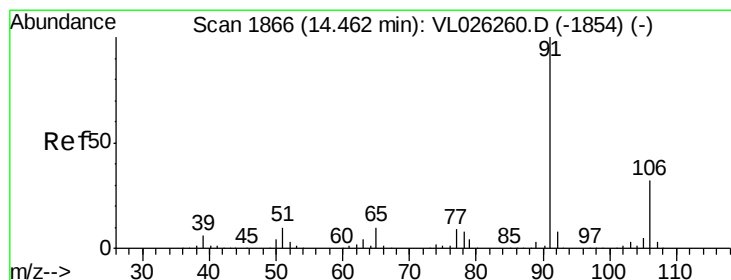
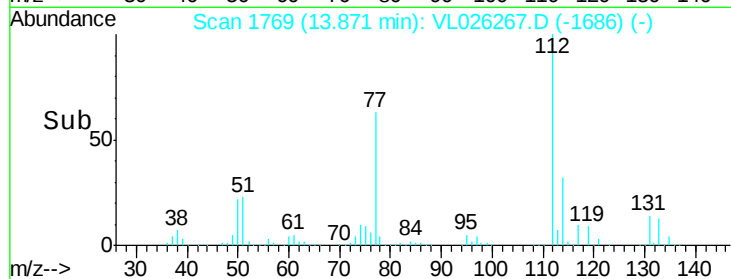
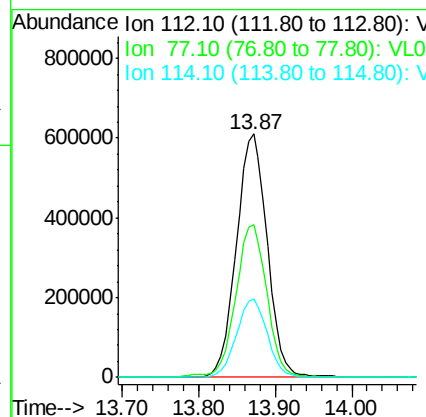
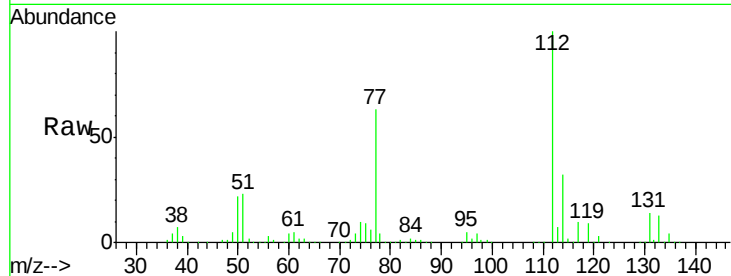
#57
Chlorobenzene
Concen: 8.38 ppbv
RT: 13.87 min Scan# 1769
Delta R.T. 0.01 min
Lab File: VL026267.D
Acq: 29 Oct 2015 15:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL102915

Tot Ion: 112 Resp: 1701289
Ion Ratio Lower Upper
112 100
77 62.5 49.4 74.0
114 32.2 27.8 34.0

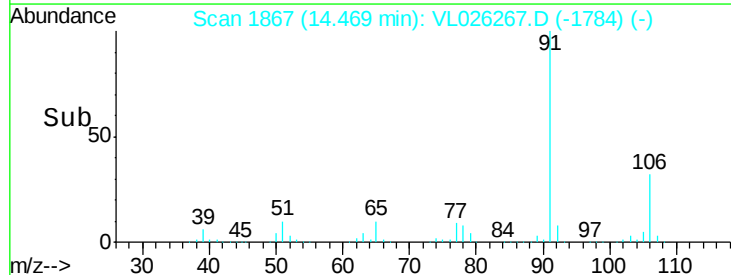
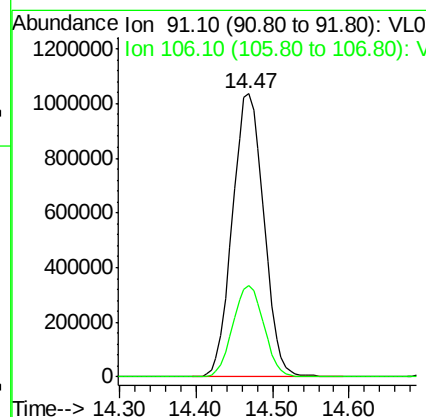
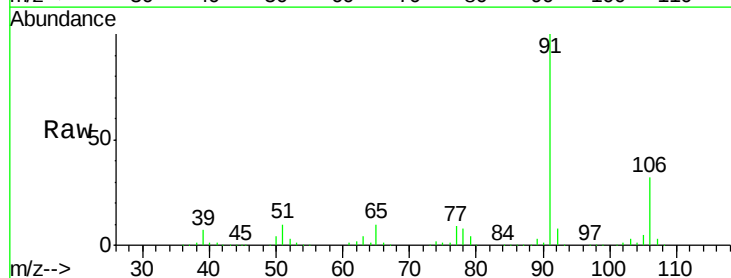
Manual Integrations
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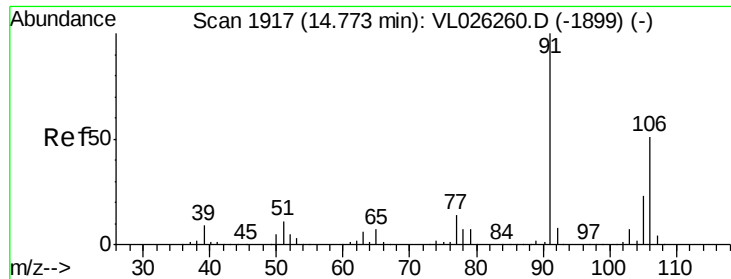
Mmdadoda
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#58
Ethyl Benzene
Concen: 8.79 ppbv
RT: 14.47 min Scan# 1867
Delta R.T. 0.01 min
Lab File: VL026267.D
Acq: 29 Oct 2015 15:15

Tgt Ion: 91 Resp: 2958276
Ion Ratio Lower Upper
91 100
106 32.3 25.7 38.5





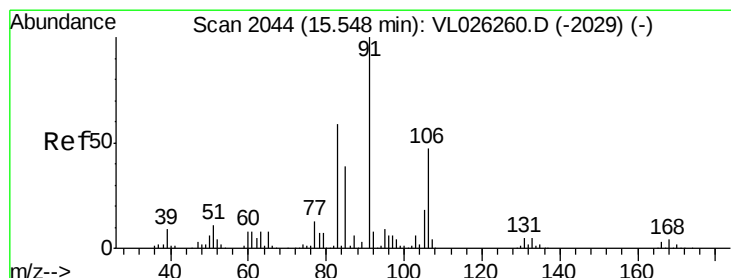
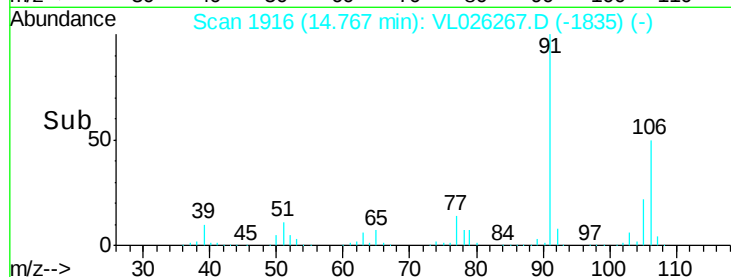
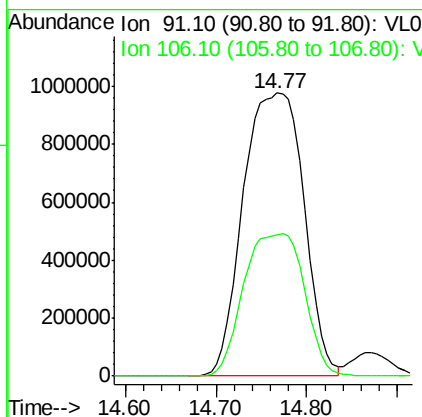
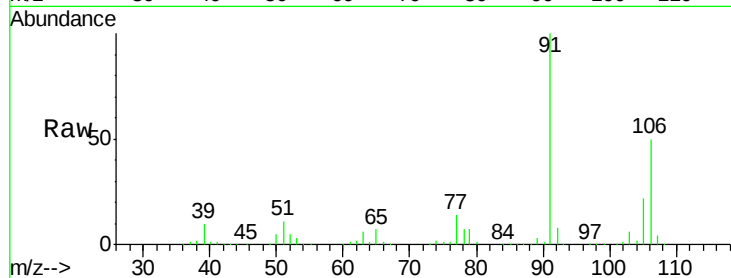
#59
m/p-Xylene
Concen: 16.92 ppbv
RT: 14.77 min Scan# 1916
Delta R.T. -0.01 min
Lab File: VL026267.D
Acq: 29 Oct 2015 15:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL102915

Tot Ion: 91 Resp: 4511949
Ion Ratio Lower Upper
91 100
106 50.6 0.0 0.0#

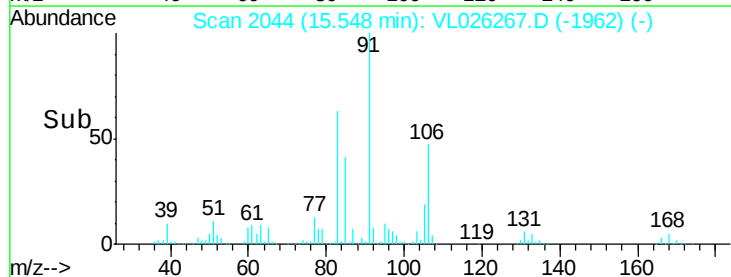
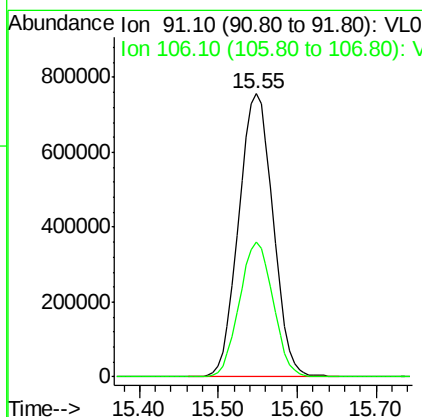
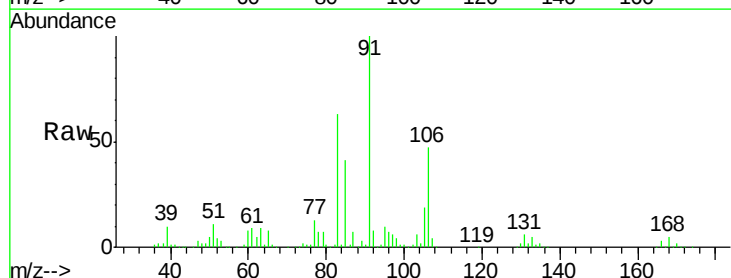
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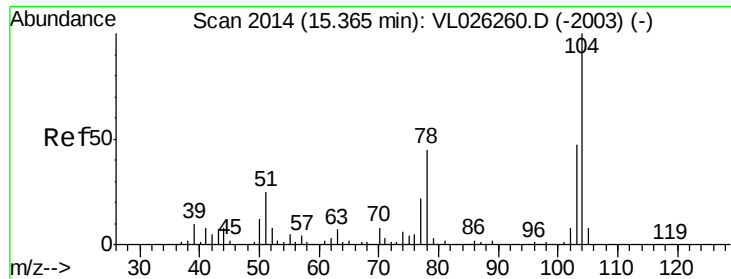
Mmdadoda
10/30/2015 12:06:36 PM



#60
o-Xylene
Concen: 8.22 ppbv
RT: 15.55 min Scan# 2044
Delta R.T. 0.00 min
Lab File: VL026267.D
Acq: 29 Oct 2015 15:15

Tgt Ion: 91 Resp: 2292665
Ion Ratio Lower Upper
91 100
106 47.1 23.6 70.8





#61

Stvrene

Concen: 9.68 ppbv

RT: 15.36 min Scan# 2014

Delta R.T. 0.00 min

Lab File: VL026267.D

Acq: 29 Oct 2015 15:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL102915

Tot Ion:104 Resp: 1146980

Ion Ratio Lower Upper

104 100

78 44.6 35.5 53.3

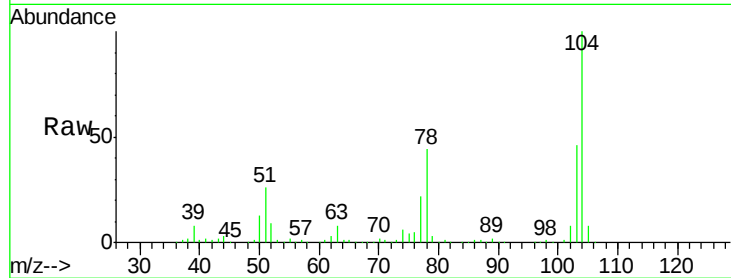
103 46.4 37.0 55.6

Manual Integrations

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Mmdadoda

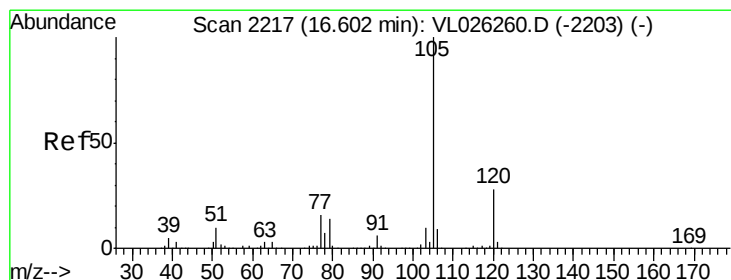
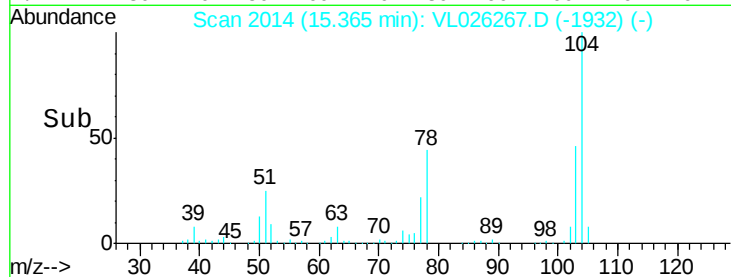
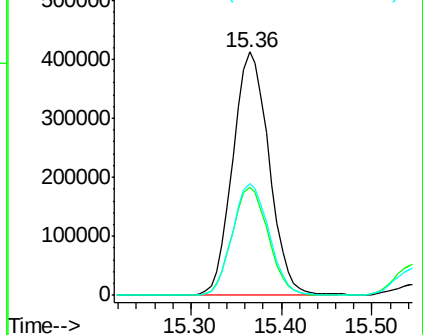
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Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 8.51 ppbv

RT: 16.60 min Scan# 2217

Delta R.T. 0.00 min

Lab File: VL026267.D

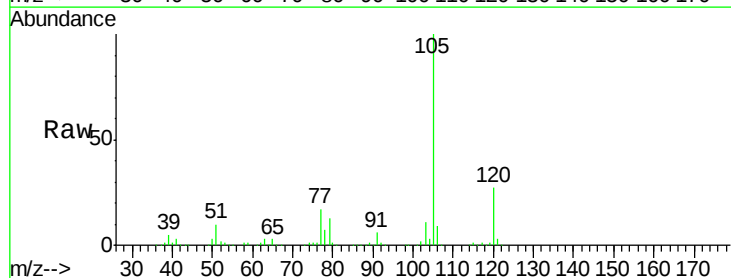
Acq: 29 Oct 2015 15:15

Tgt Ion:105 Resp: 3219249

Ion Ratio Lower Upper

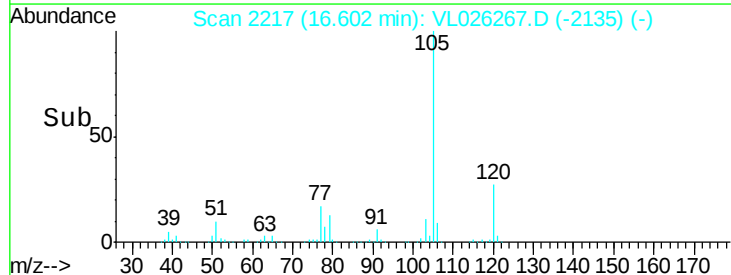
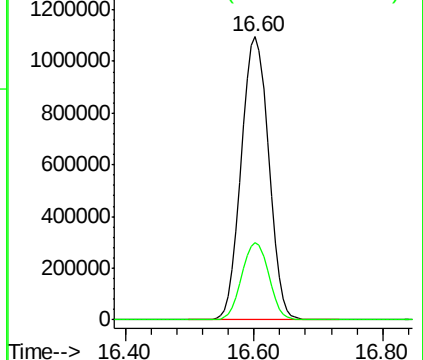
105 100

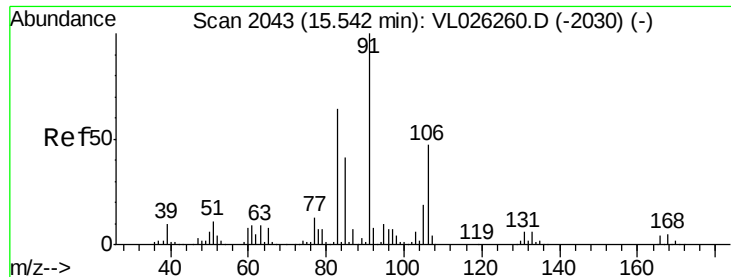
120 27.0 21.7 32.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





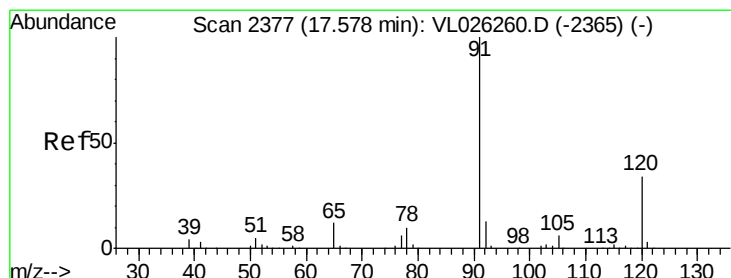
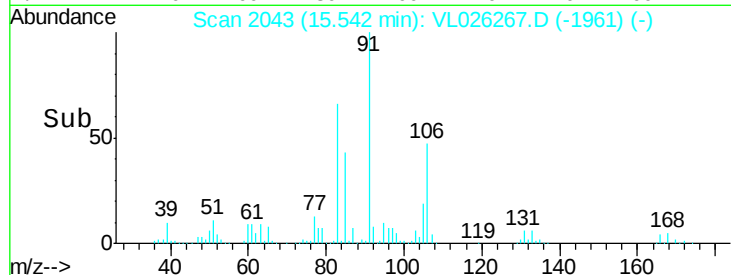
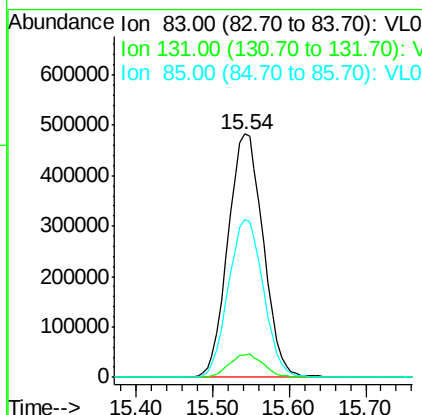
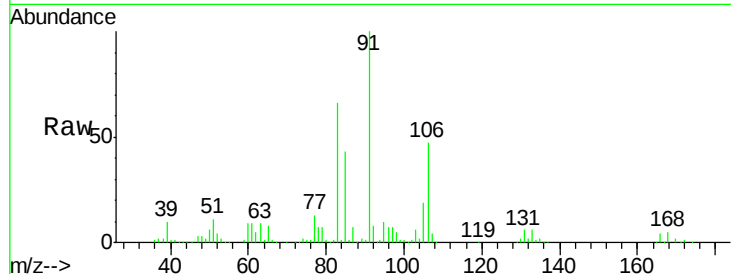
#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.12 ppbv
 RT: 15.54 min Scan# 2043
 Delta R.T. 0.00 min
 Lab File: VL026267.D
 Acq: 29 Oct 2015 15:15

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL102915

Tot Ion	83	Resp	1544095
Ion Ratio	100	Lower	Upper
83	100		
131	9.2	4.6	13.8
85	64.6	32.4	97.2

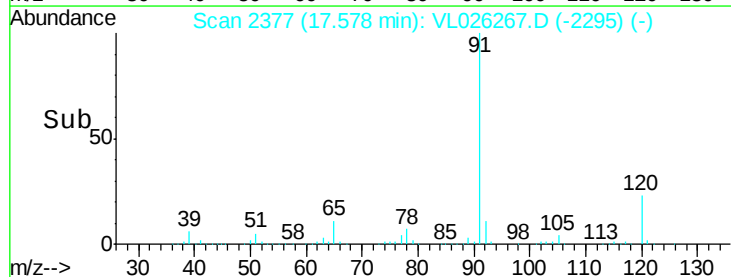
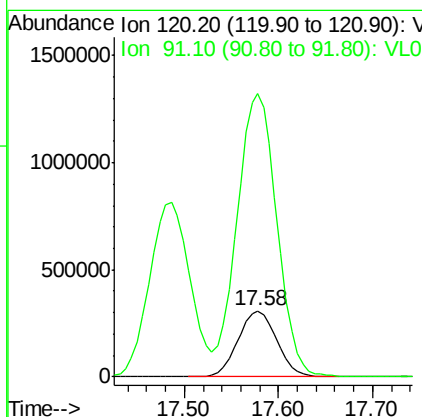
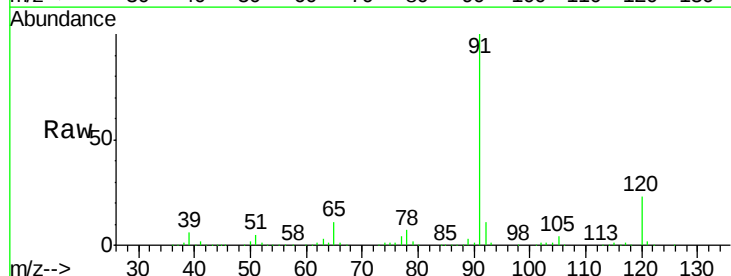
Manual Integrations
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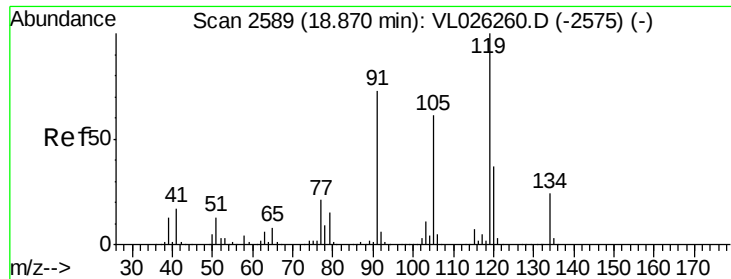
Mmdadoda
 10/30/2015 12:06:36 PM



#64
 n-propylbenzene
 Concen: 8.64 ppbv
 RT: 17.58 min Scan# 2377
 Delta R.T. 0.00 min
 Lab File: VL026267.D
 Acq: 29 Oct 2015 15:15

Tgt Ion	120	Resp	887924
Ion Ratio	100	Lower	Upper
120	100		
91	434.1	340.8	511.2





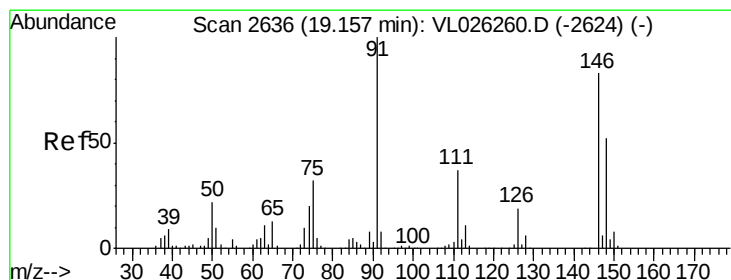
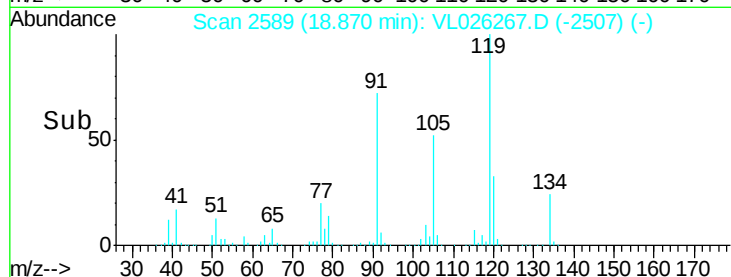
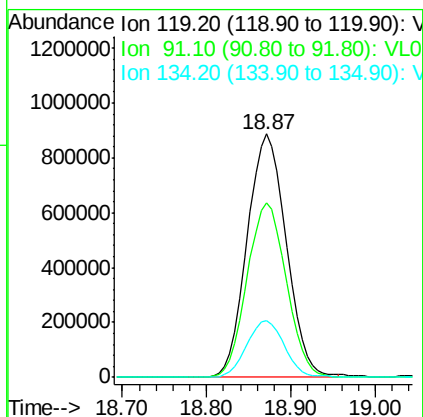
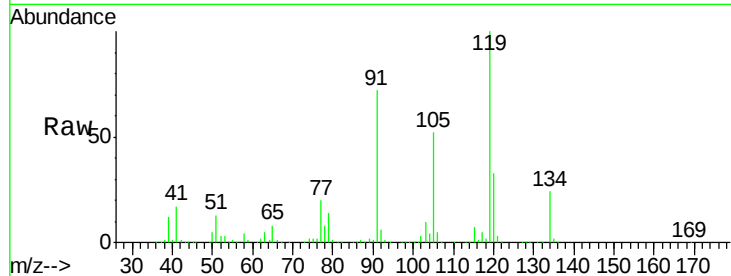
#65
tert-Butylbenzene
Concen: 8.22 ppbv
RT: 18.87 min Scan# 2589
Delta R.T. 0.00 min
Lab File: VL026267.D
Acq: 29 Oct 2015 15:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL102915

Tot Ion:119 Resp: 2806659
Ion Ratio Lower Upper
119 100
91 72.2 57.7 86.5
134 22.5 18.0 27.0

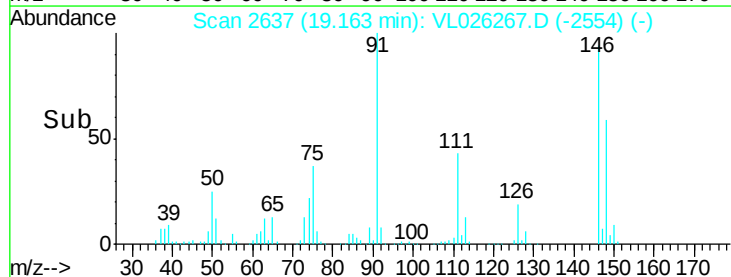
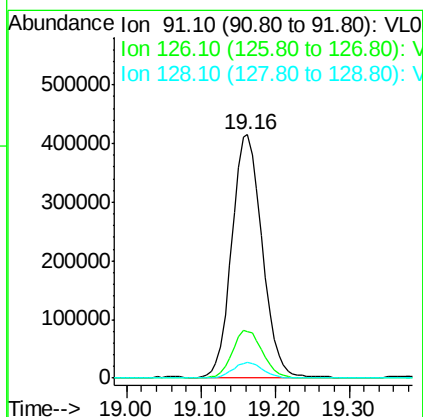
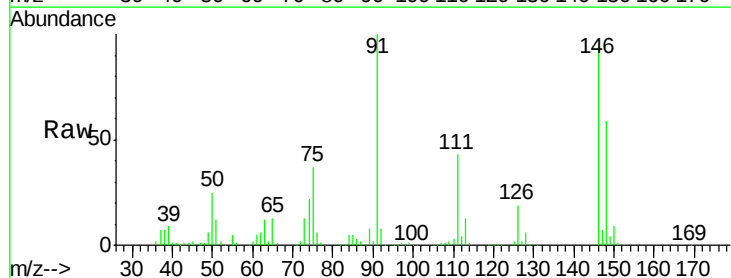
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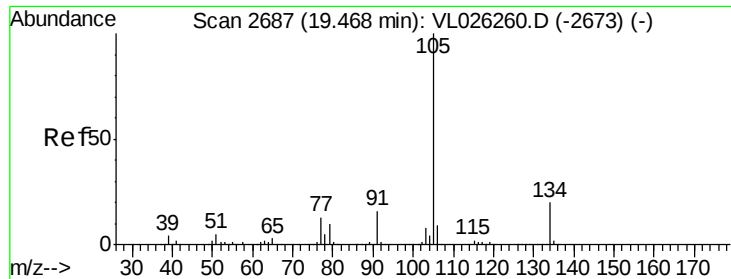
Mmdadoda
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#66
Benzyl Chloride
Concen: 11.11 ppbv
RT: 19.16 min Scan# 2637
Delta R.T. 0.01 min
Lab File: VL026267.D
Acq: 29 Oct 2015 15:15

Tgt Ion: 91 Resp: 1182645
Ion Ratio Lower Upper
91 100
126 19.6 15.8 23.8
128 6.3 5.0 7.6





#67

sec-Butylbenzene

Concen: 8.43 ppbv

RT: 19.47 min Scan# 2687

Delta R.T. 0.00 min

Lab File: VL026267.D

Acq: 29 Oct 2015 15:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL102915

Tot Ion:105 Resp: 4083359

Ion Ratio Lower Upper

105 100

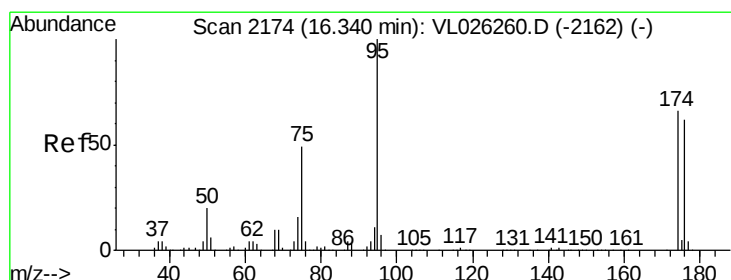
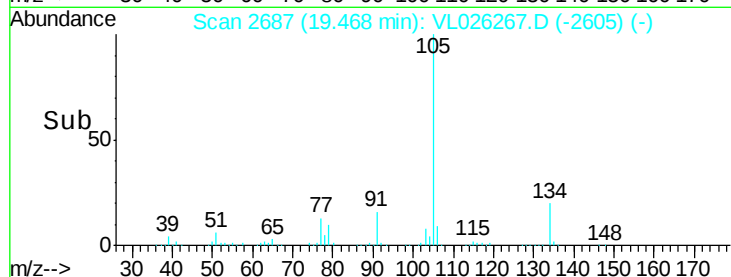
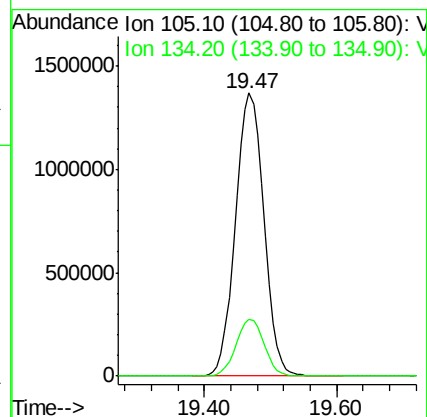
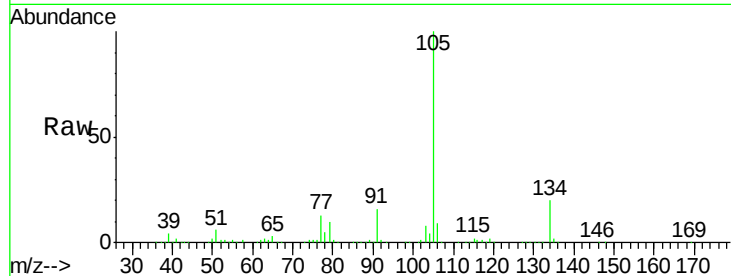
134 19.9 16.0 24.0

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#68

1-Bromo-4-Fluorobenzene

Concen: 9.82 ppbv

RT: 16.35 min Scan# 2175

Delta R.T. 0.01 min

Lab File: VL026267.D

Acq: 29 Oct 2015 15:15

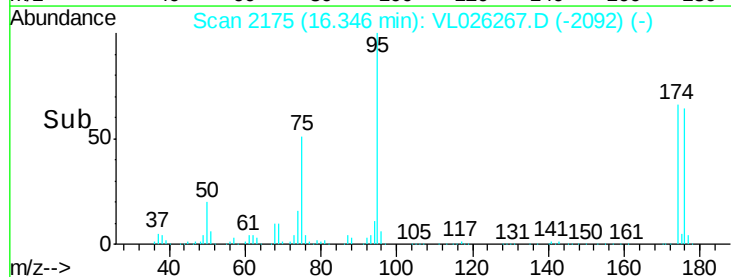
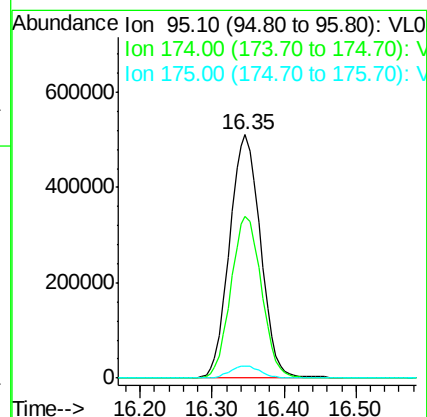
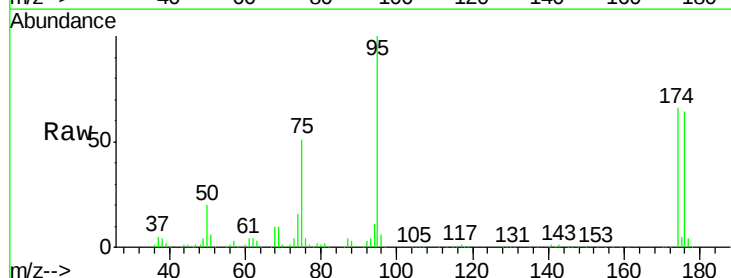
Tgt Ion: 95 Resp: 1525972

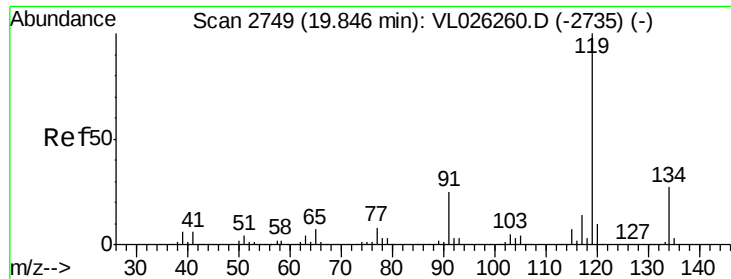
Ion Ratio Lower Upper

95 100

174 66.3 52.9 79.3

175 5.0 3.8 5.8





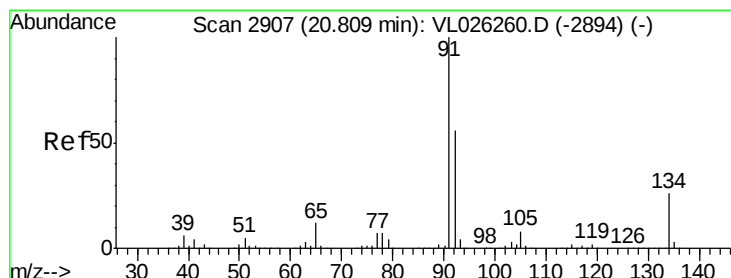
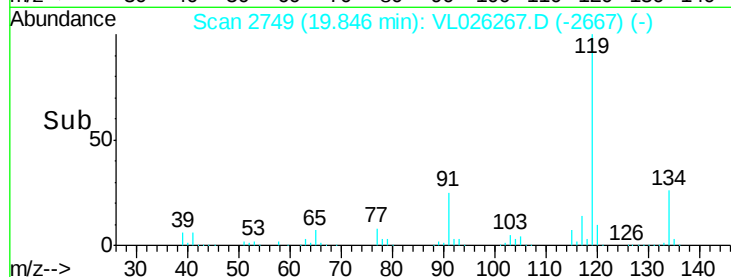
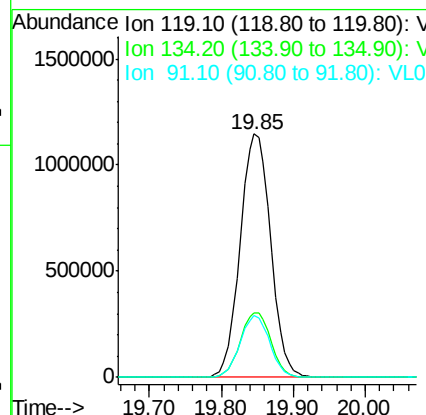
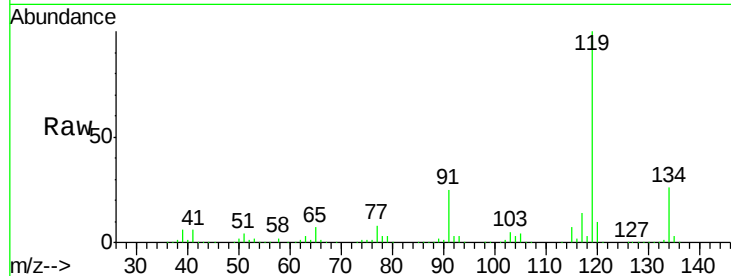
#69
 p-Isopropyltoluene
 Concen: 8.53 ppbv
 RT: 19.85 min Scan# 2749
 Delta R.T. 0.00 min
 Lab File: VL026267.D
 Acq: 29 Oct 2015 15:15

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL102915

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.7	21.3	31.9
91	24.8	19.6	29.4

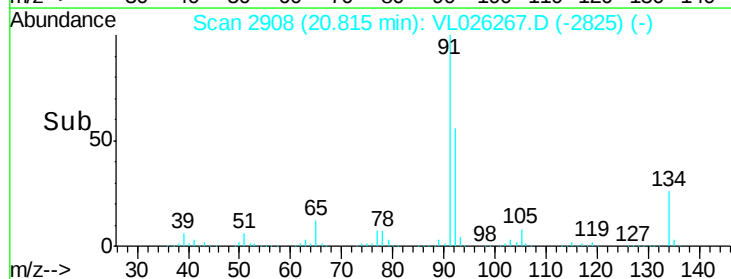
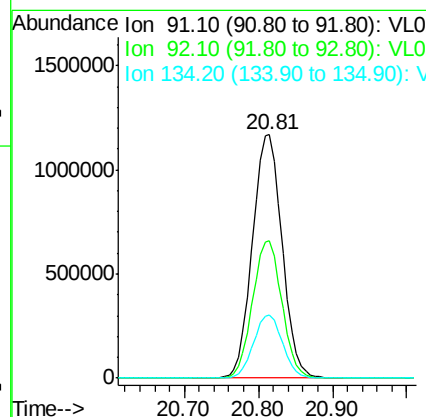
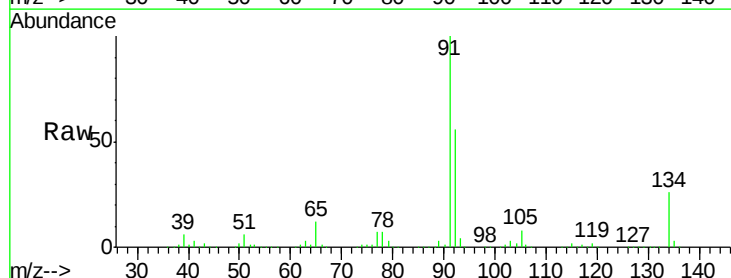
Manual Integrations
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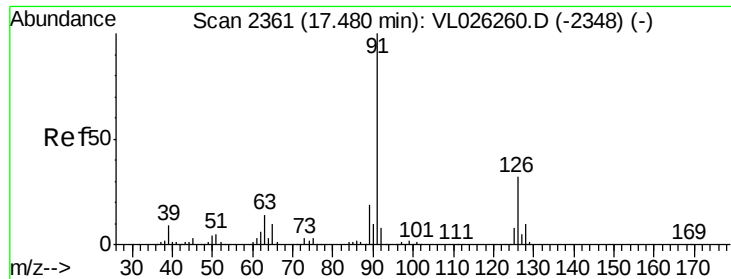
Mmdadoda
 10/30/2015 12:06:36 PM



#70
 n-Butylbenzene
 Concen: 8.72 ppbv
 RT: 20.81 min Scan# 2908
 Delta R.T. 0.01 min
 Lab File: VL026267.D
 Acq: 29 Oct 2015 15:15

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.9	44.9	67.3
134	25.6	20.5	30.7





#71

2-Chlorotoluene

Concen: 8.75 ppbv

RT: 17.49 min Scan# 2362

Delta R.T. 0.01 min

Lab File: VL026267.D

Acq: 29 Oct 2015 15:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL102915

Tot Ion: 91 Resp: 2443645

Ion Ratio Lower Upper

91 100

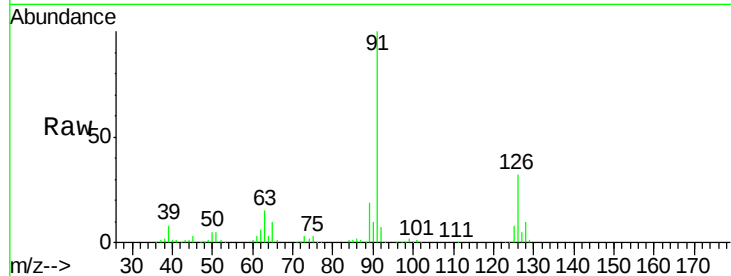
126 31.8 12.8 51.0

Manual Integrations

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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

1500000

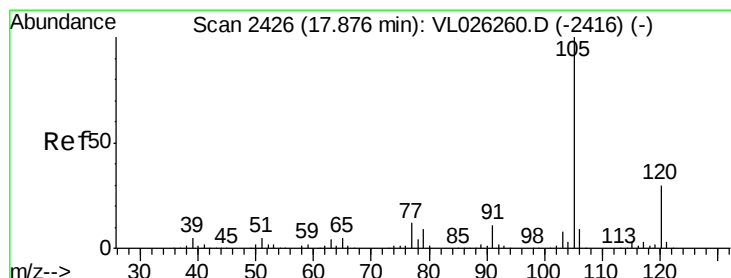
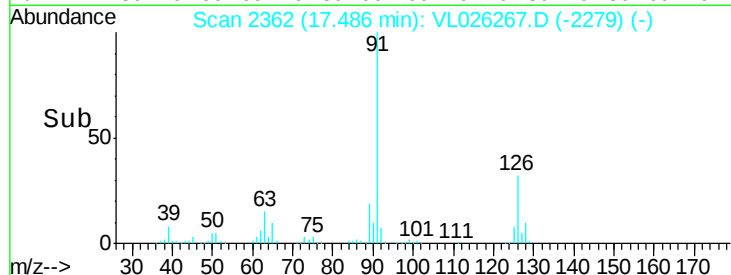
1000000

500000

0

17.40 17.49 17.50

Time-->



#72

4-Ethyltoluene

Concen: 8.84 ppbv

RT: 17.88 min Scan# 2426

Delta R.T. 0.00 min

Lab File: VL026267.D

Acq: 29 Oct 2015 15:15

Tgt Ion:105 Resp: 2768128

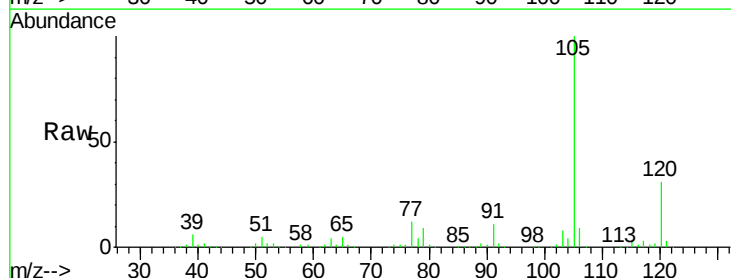
Ion Ratio Lower Upper

105 100

120 31.6 25.1 37.7

91 11.9 9.1 13.7

77 12.4 9.7 14.5



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

1500000

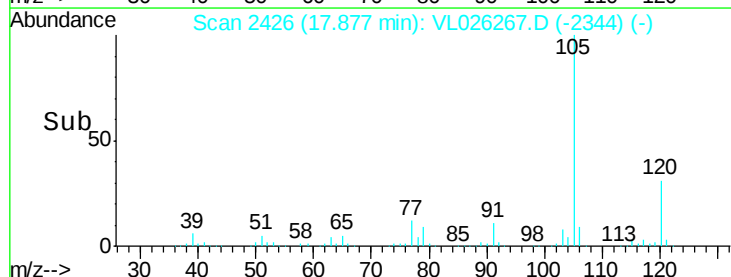
1000000

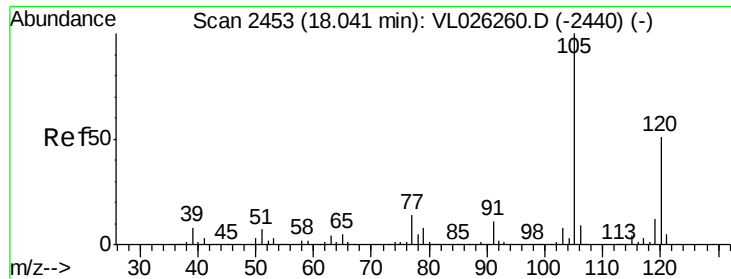
500000

0

17.80 17.88 17.90 18.00

Time-->





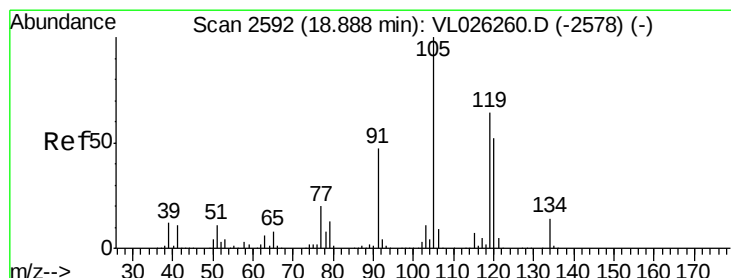
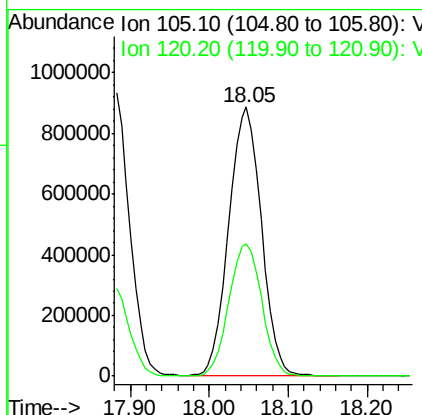
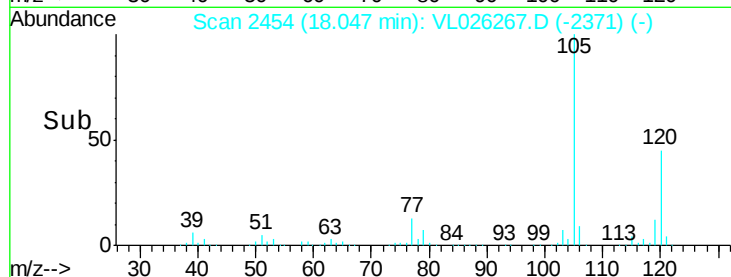
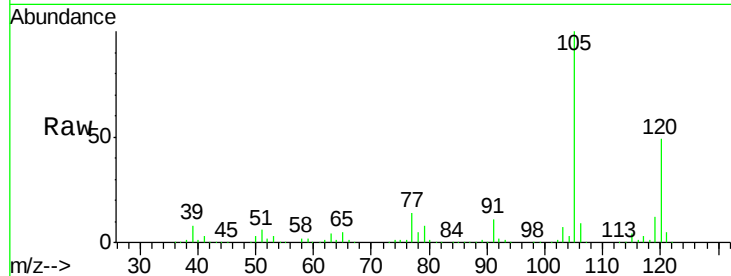
#73
 1,3,5-Trimethylbenzene
 Concen: 8.62 ppbv
 RT: 18.05 min Scan# 2454
 Delta R.T. 0.01 min
 Lab File: VL026267.D
 Acq: 29 Oct 2015 15:15

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL102915

Tot Ion:105 Resp: 2546049
 Ion Ratio Lower Upper
 105 100
 120 49.4 40.6 61.0

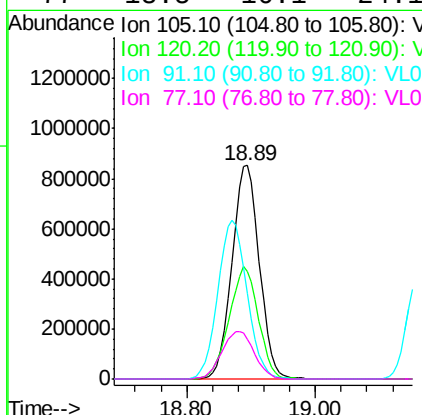
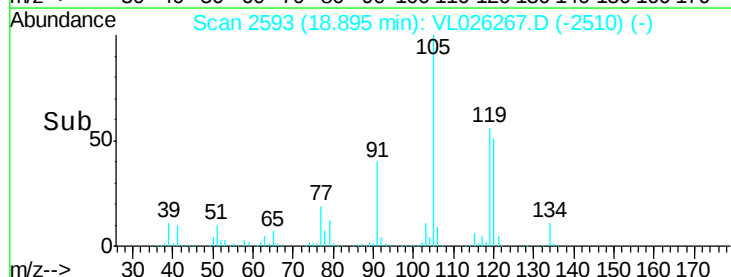
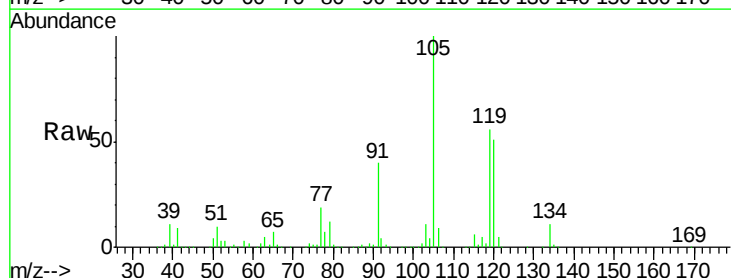
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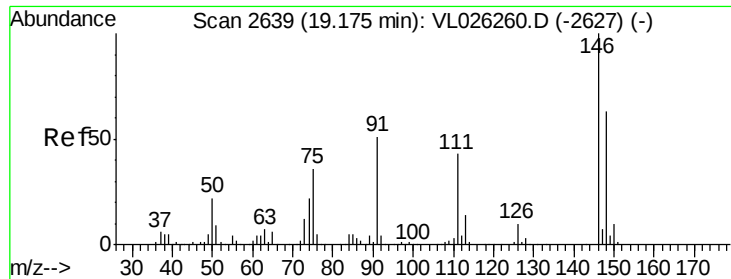
Mmdadoda
 10/30/2015 12:06:36 PM



#74
 1,2,4-Trimethylbenzene
 Concen: 8.16 ppbv
 RT: 18.89 min Scan# 2593
 Delta R.T. 0.01 min
 Lab File: VL026267.D
 Acq: 29 Oct 2015 15:15

Tgt Ion:105 Resp: 2521922
 Ion Ratio Lower Upper
 105 100
 120 50.5 41.2 61.8
 91 40.0 37.8 56.8
 77 18.5 16.1 24.1





#75

1,3-Dichlorobenzene

Concen: 8.39 ppbv

RT: 19.18 min Scan# 2640

Delta R.T. 0.01 min

Lab File: VL026267.D

Acq: 29 Oct 2015 15:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL102915

Tot Ion:146 Resp: 1681183

Ion Ratio Lower Upper

146 100

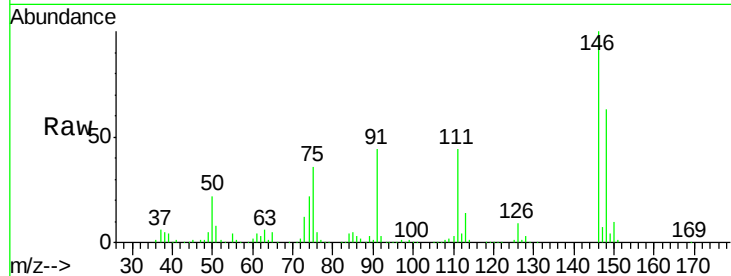
111 44.0 21.9 65.5

148 63.3 31.8 95.3

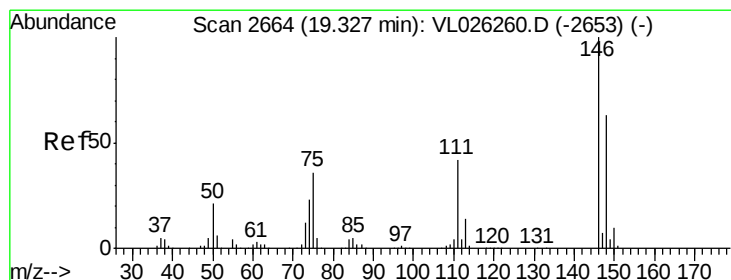
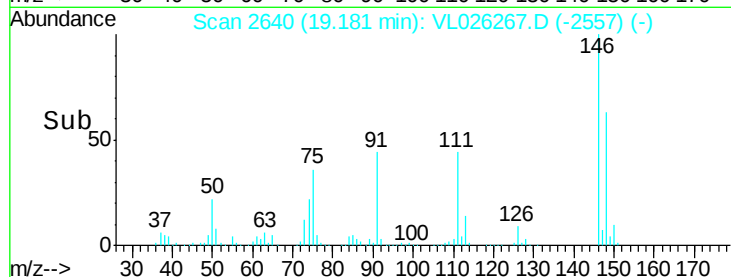
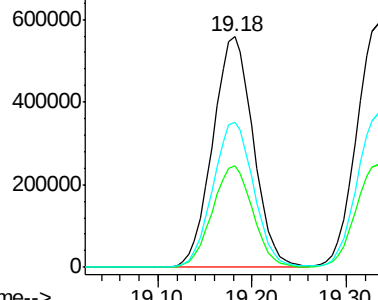
Manual Integrations
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Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.10 (110.80 to 111.80): V
Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 8.59 ppbv

RT: 19.33 min Scan# 2665

Delta R.T. 0.01 min

Lab File: VL026267.D

Acq: 29 Oct 2015 15:15

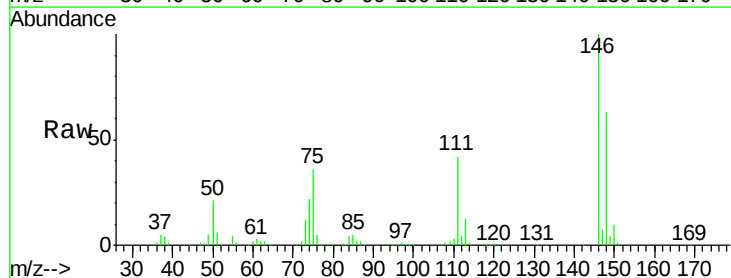
Tgt Ion:146 Resp: 1749232

Ion Ratio Lower Upper

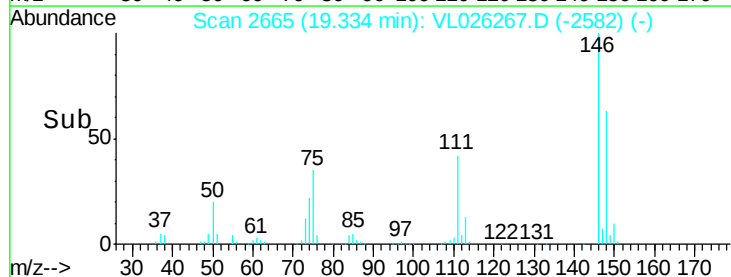
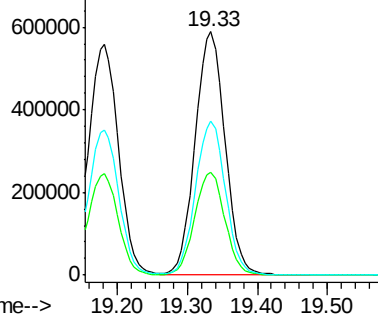
146 100

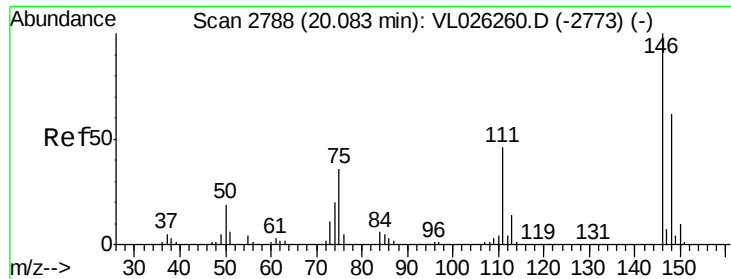
111 42.7 21.1 63.4

148 63.6 31.8 95.3



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





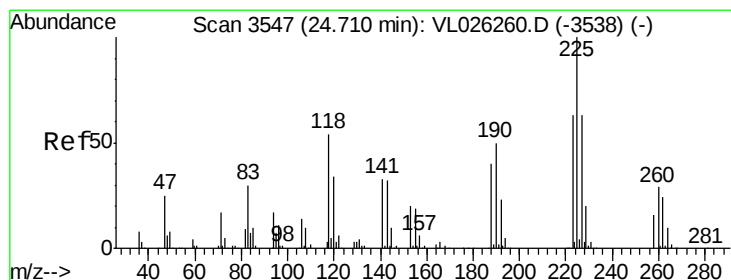
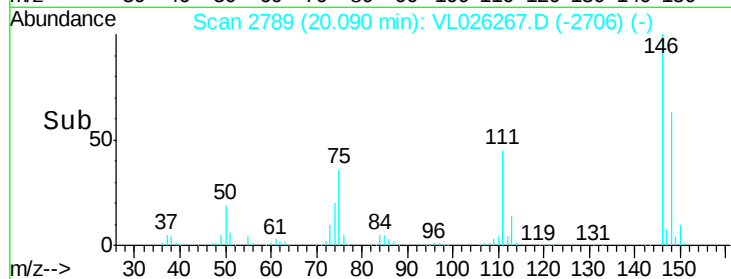
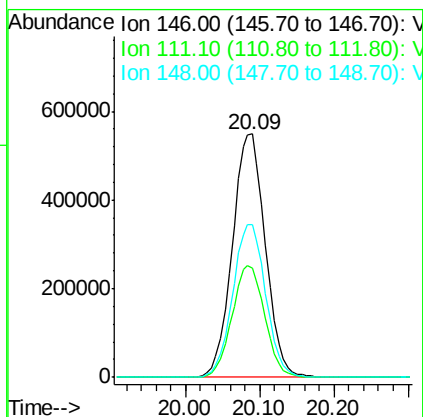
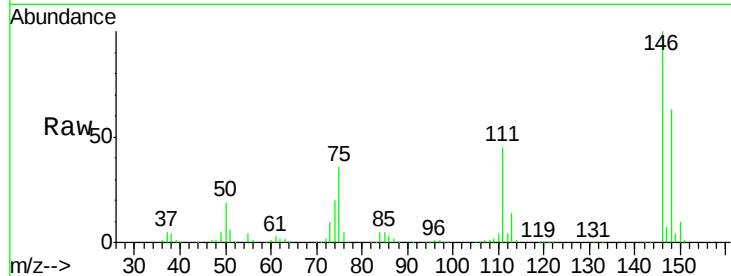
#77
 1,2-Dichlorobenzene
 Concen: 8.50 ppbv
 RT: 20.09 min Scan# 2789
 Delta R.T. 0.01 min
 Lab File: VL026267.D
 Acq: 29 Oct 2015 15:15

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL102915

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.9	22.8	68.3
148	63.2	31.6	94.8

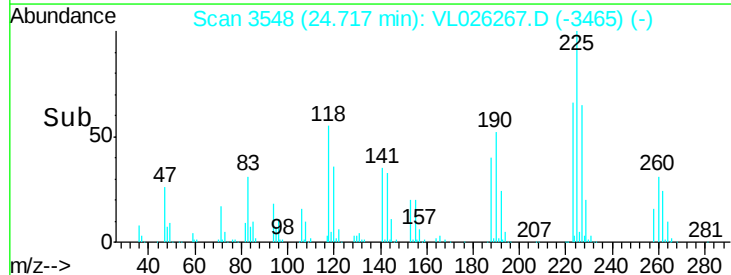
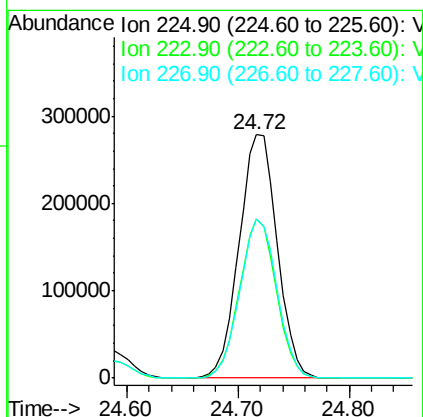
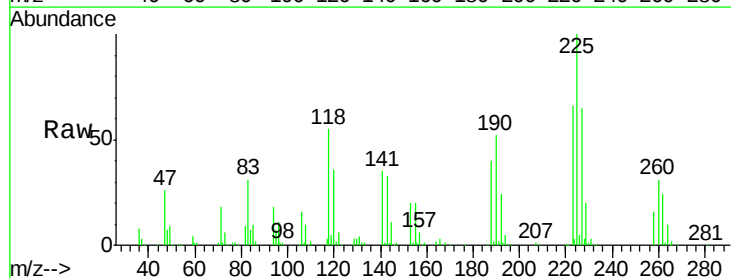
Manual Integrations
 APPROVED

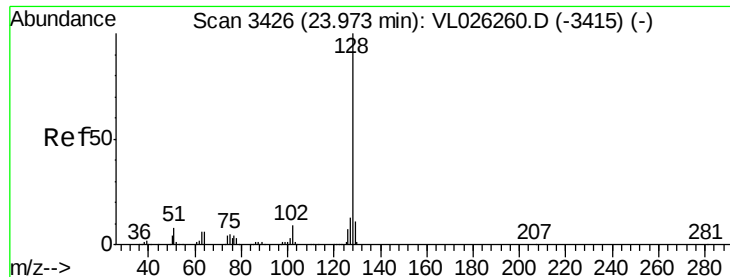
Mmdadoda
 10/30/2015 12:06:36 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 8.18 ppbv
 RT: 24.72 min Scan# 3548
 Delta R.T. 0.01 min
 Lab File: VL026267.D
 Acq: 29 Oct 2015 15:15

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	51.0	76.6
227	63.8	51.3	76.9





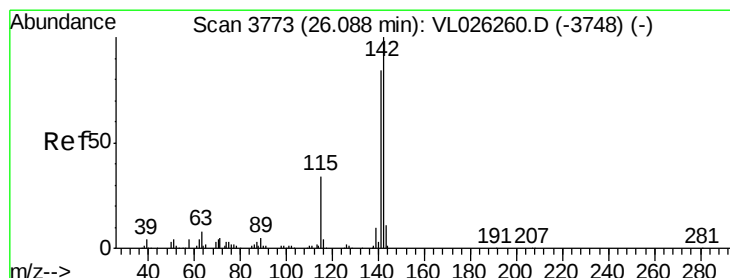
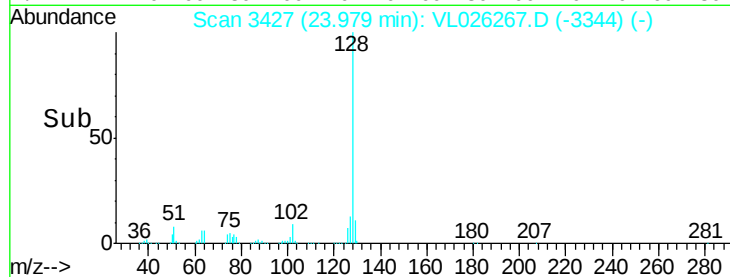
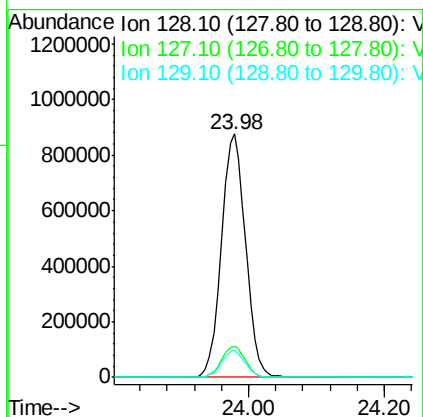
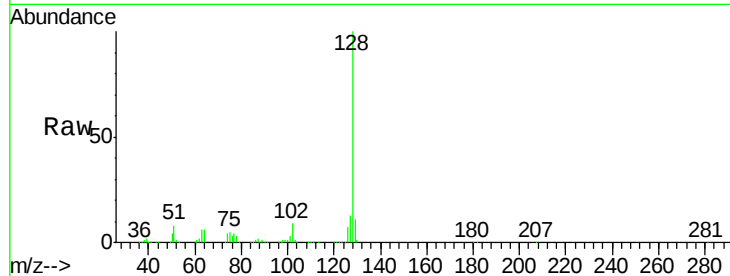
#79
Naphthalene
Concen: 9.72 ppbv
RT: 23.98 min Scan# 3427
Delta R.T. 0.01 min
Lab File: VL026267.D
Acq: 29 Oct 2015 15:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL102915

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.1	15.1
129	11.0	8.8	13.2

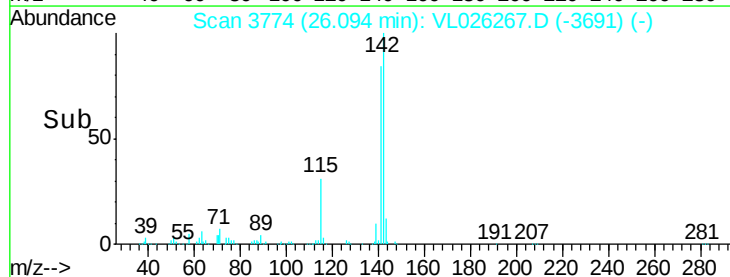
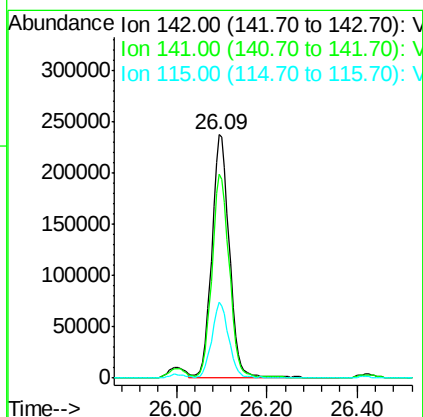
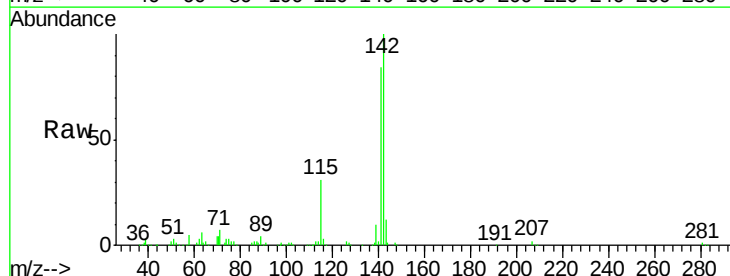
Manual Integrations
APPROVED

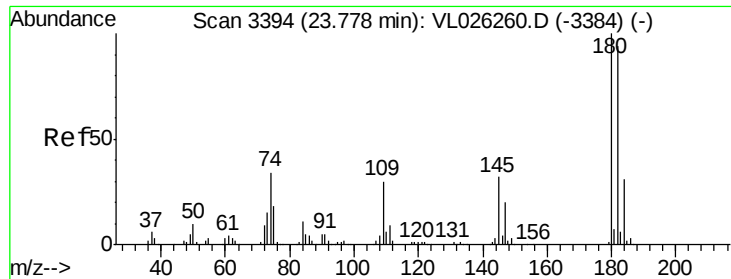
Mmdadoda
10/30/2015 12:06:36 PM



#80
Naphthalene, 2-methyl-
Concen: 15.77 ppbv
RT: 26.09 min Scan# 3774
Delta R.T. 0.01 min
Lab File: VL026267.D
Acq: 29 Oct 2015 15:15

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.7	66.1	99.1
115	30.9	28.1	42.1





#81
 1,2,4-Trichlorobenzene
 Concen: 9.03 ppbv
 RT: 23.78 min Scan# 3394
 Delta R.T. 0.00 min
 Lab File: VL026267.D
 Acq: 29 Oct 2015 15:15

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL102915

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.0	114.0
184	30.1	24.2	36.4

Manual Integrations
 APPROVED

Mmdadoda
 10/30/2015 12:06:36 PM

