

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL010816\
 Data File : VL026655.D
 Acq On : 9 Jan 2016 00:15
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400mL/MSVOA L
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL010816

Manual Integrations
 APPROVED

MMDADODA
 1/21/2016 12:06:11 PM

Quant Time: Jan 12 06:17:46 2016
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL010816AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jan 18
 QLast Update : Mon Jan 11 17:14:02 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.63	49	752459	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.31	114	2340699	10.00	ppbv	0.00
55) Chlorobenzene-d5	13.73	117	2945222m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.27	95	2557686	10.89	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	108.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.63	85	2074246	10.37	ppbv	99
3) Chlorodifluoromethane	3.56	51	877176	8.76	ppbv	94
4) Chloromethane	3.74	50	402566	8.22	ppbv	98
5) Vinyl Chloride	3.87	62	493055	8.31	ppbv	98
6) Bromomethane	4.13	94	407698	9.65	ppbv	100
7) Chloroethane	4.23	64	210211	8.76	ppbv	97
8) Dichlorotetrafluoroethane	3.79	85	1508583	9.59	ppbv	100
9) Propene	3.58	41	293888	8.16	ppbv	99
10) Heptane	9.34	43	1182700	8.81	ppbv	94
11) Trichlorofluoromethane	4.68	101	2163952	10.43	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	5.29	101	1244357	9.77	ppbv	99
13) Ethanol	4.32	45	35933	5.25	ppbv	98
14) Bromoethene	4.44	108	434055	9.46	ppbv	98
15) Acetone	4.59	43	1003822	8.11	ppbv	99
16) 1,3-Butadiene	3.96	39	433388	8.77	ppbv	99
17) tert-Butyl alcohol	5.10	59	864793	9.26	ppbv	100
18) 1,1-Dichloroethene	5.07	96	509282	9.58	ppbv	99
19) Isopropyl Alcohol	4.73	45	392649	7.69	ppbv #	99
20) Methylene Chloride	5.14	84	465535	9.17	ppbv	94
21) Allyl Chloride	5.21	41	661581	8.71	ppbv	88
22) trans-1,2-Dichloroethene	5.74	96	565081	9.31	ppbv	98
23) Vinyl Acetate	5.96	43	1610332	8.47	ppbv	99
24) 1,1-Dichloroethane	5.89	63	1249494	9.12	ppbv	99
25) Ethyl Acetate	6.65	43	1695865	8.87	ppbv	99
26) Hexane	6.64	57	876550	8.87	ppbv	96
27) Carbon Disulfide	5.37	76	1461310	9.95	ppbv	97
28) Methyl tert-Butyl Ether	5.93	73	1856602	9.45	ppbv	98
29) Chloroform	6.73	83	1765237	9.84	ppbv	97
30) Cyclohexane	8.26	84	937600	9.61	ppbv	97
31) cis-1,2-Dichloroethene	6.50	61	958663	9.63	ppbv	96
32) 1,1,1-Trichloroethane	7.58	97	1955105	9.66	ppbv	99
34) 2-Butanone	6.18	43	1007076	8.07	ppbv	97
35) Carbon Tetrachloride	8.14	117	1963072	9.53	ppbv	97
36) Benzene	8.01	78	2093134	8.69	ppbv	99
37) 1,2-Dichloroethane	7.35	62	1577681	9.58	ppbv	98
38) Trichloroethene	9.04	130	867577	8.07	ppbv	98
39) 1,2-Dichloropropane	8.81	63	696891	8.37	ppbv	94
40) 1,4-Dioxane	9.10	88	154292	8.06	ppbv #	1
41) Tetrahydrofuran	7.10	42	508726	8.23	ppbv	95
42) Bromodichloromethane	9.01	83	2039193	9.58	ppbv	100
43) Methyl Methacrylate	9.24	69	835350	9.50	ppbv	97

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MMDADODA
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	9.07	57	3254954	8.37	ppbv	97
45) t-1,3-Dichloropropene	10.63	75	1450880	10.18	ppbv	97
46) cis-1,3-Dichloropropene	10.00	75	1588743	9.81	ppbv	98
47) 1,1,2-Trichloroethane	10.86	97	1058710	8.92	ppbv	98
48) Dibromochloromethane	11.78	129	1775794	9.97	ppbv	100
49) Bromoform	14.79	173	1464451	10.08	ppbv	100
50) 4-Methyl-2-Pentanone	10.07	43	1528962	8.72	ppbv	99
51) 2-Hexanone	11.59	43	1503777	9.31	ppbv #	98
52) Tetrachloroethene	12.77	164	997628	8.28	ppbv	98
53) Toluene	11.21	91	3170046	9.34	ppbv	99
54) 1,2-Dibromoethane	12.12	107	1722829	9.17	ppbv	98
56) 1,1,1,2-Tetrachloroethane	13.76	131	1328260	9.80	ppbv	98
57) Chlorobenzene	13.79	112	2679108	8.83	ppbv	99
58) Ethyl Benzene	14.39	91	5137747	9.77	ppbv	99
59) m/p-Xylene	14.69	91	8025880m	18.51	ppbv	
60) o-Xylene	15.47	91	4188227	8.94	ppbv	100
61) Styrene	15.29	104	1944933	10.62	ppbv	99
62) Isopropylbenzene	16.52	105	5880512	9.48	ppbv	100
63) 1,1,2,2-Tetrachloroethane	15.46	83	2591737	7.42	ppbv	99
64) n-propylbenzene	17.50	120	1552848	9.33	ppbv	98
65) tert-Butylbenzene	18.79	119	5026958	8.84	ppbv	100
66) Benzyl Chloride	19.08	91	1994049	9.82	ppbv	100
67) sec-Butylbenzene	19.39	105	7793336	9.24	ppbv	99
69) p-Isopropyltoluene	19.77	119	6126663	9.50	ppbv	100
70) n-Butylbenzene	20.74	91	6375278	9.50	ppbv	99
71) 2-Chlorotoluene	17.41	91	4723691	9.78	ppbv	99
72) 4-Ethyltoluene	17.80	105	5115813	9.77	ppbv	99
73) 1,3,5-Trimethylbenzene	17.96	105	4749094	9.56	ppbv	100
74) 1,2,4-Trimethylbenzene	18.81	105	4577063	8.68	ppbv #	92
75) 1,3-Dichlorobenzene	19.10	146	2849380	8.75	ppbv	100
76) 1,4-Dichlorobenzene	19.25	146	2993704	8.96	ppbv	98
77) 1,2-Dichlorobenzene	20.00	146	2938157	8.89	ppbv	99
78) Hexachloro-1,3-Butadiene	24.65	225	935277	6.93	ppbv	99
79) Naphthalene	23.91	128	2575996	7.24	ppbv	99
80) Naphthalene, 2-methyl-	26.02	142	242425	4.39	ppbv #	94
81) 1,2,4-Trichlorobenzene	23.71	180	1234699	7.62	ppbv	99

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

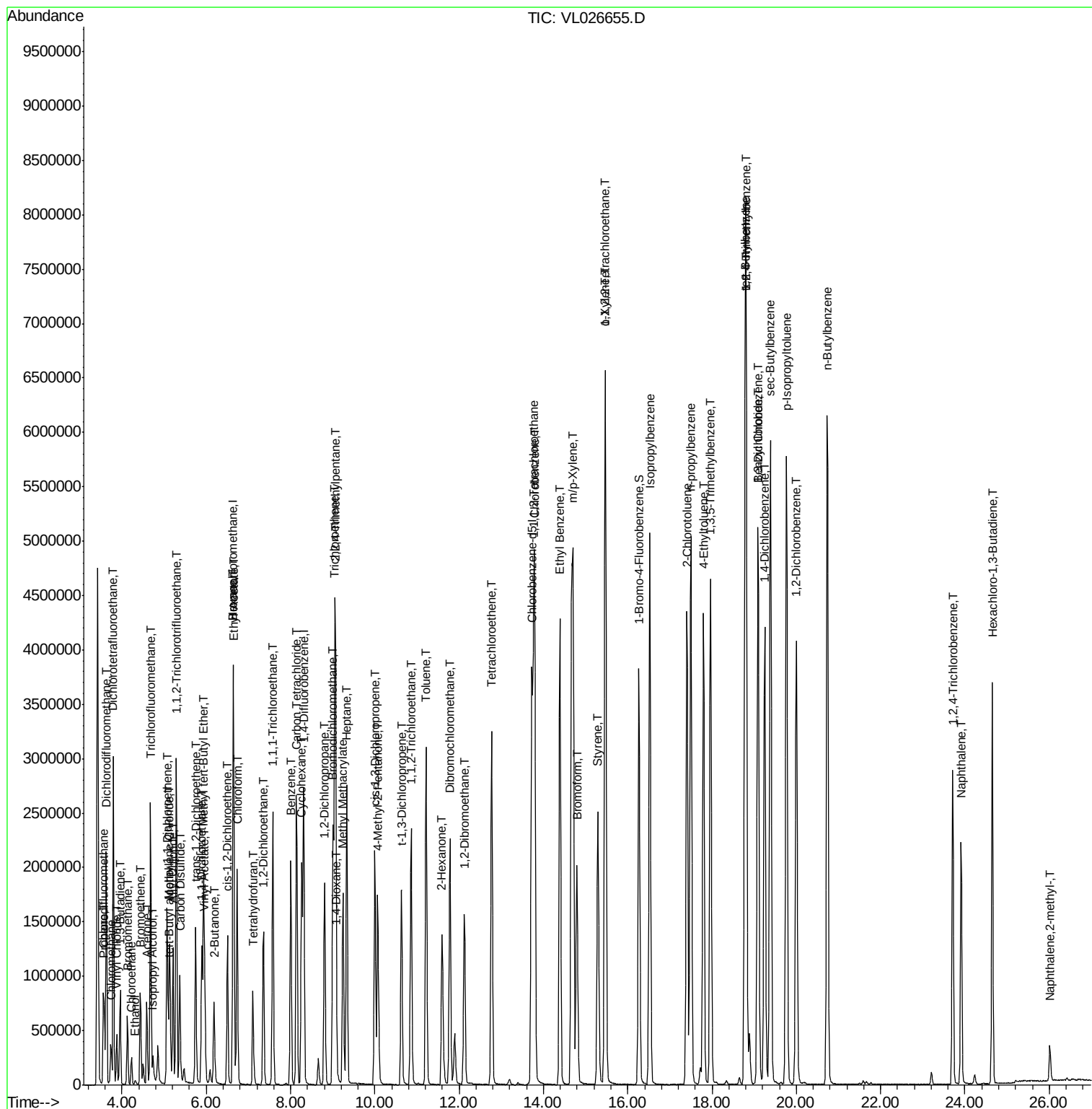
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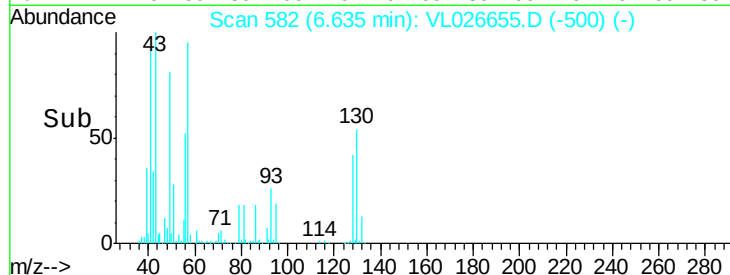
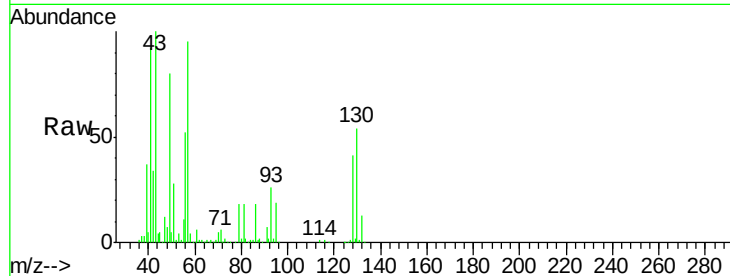
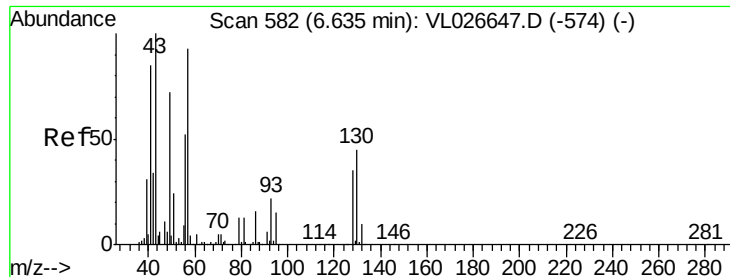
Instrument :
MSVOA_L
ClientSampleId :
ICVVL010816

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.63 min Scan# 582

Delta R.T. 0.00 min

Lab File: VL026655.D

Acq: 9 Jan 2016 00:15

Tot Ion	49	Ratio	100	Resp	752459
Ion	49	100		Lower	Upper
	128	54.9	25.9	77.7	
	130	71.2	33.6	100.8	

Instrument :

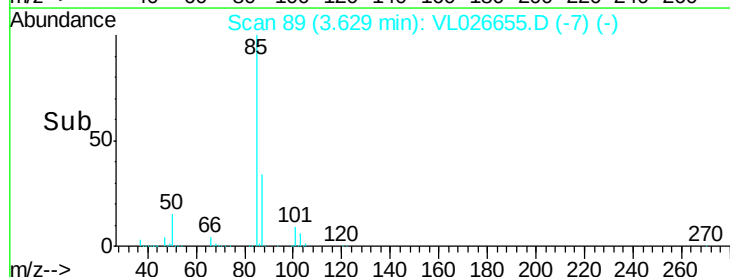
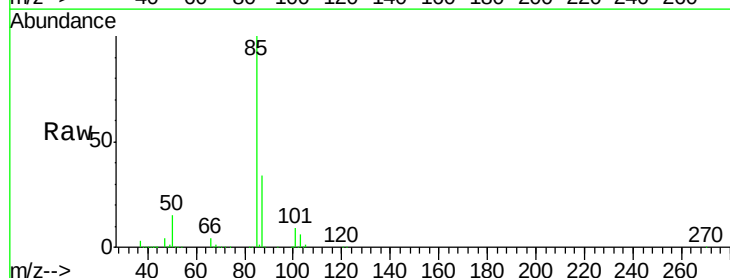
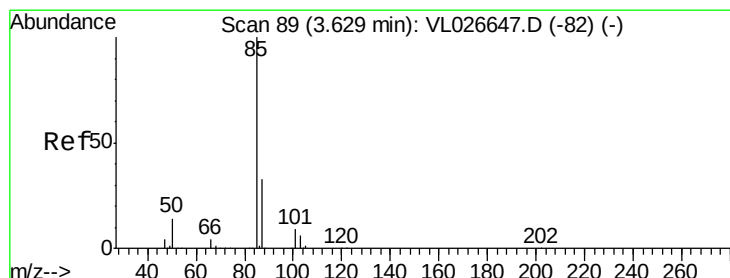
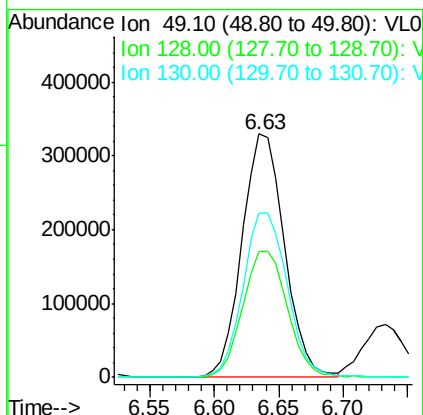
MSVOA_L

ClientSampleId :

ICVVL010816

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 10.37 ppbv

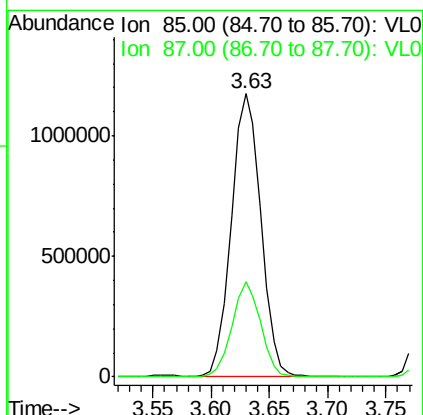
RT: 3.63 min Scan# 89

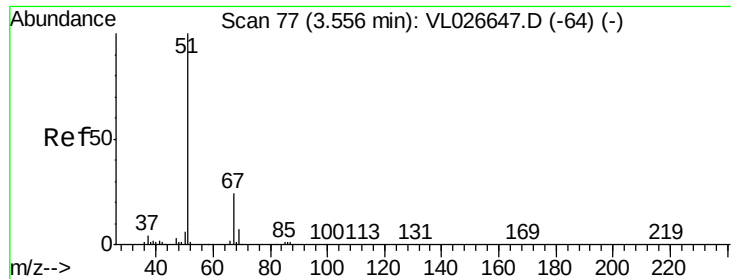
Delta R.T. 0.00 min

Lab File: VL026655.D

Acq: 9 Jan 2016 00:15

Tgt Ion	85	Ratio	100	Resp	2074246
Ion	85	100		Lower	Upper
	87	33.8	26.4	39.6	





#3

Chlorodifluoromethane

Concen: 8.76 ppbv

RT: 3.56 min Scan# 77

Delta R.T. 0.00 min

Lab File: VL026655.D

Acq: 9 Jan 2016 00:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL010816

Tot Ion: 51 Resp: 877176

Ion Ratio Lower Upper

51 100

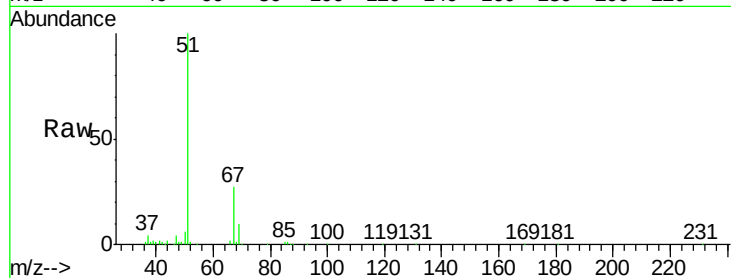
67 26.3 18.6 28.0

Manual Integrations

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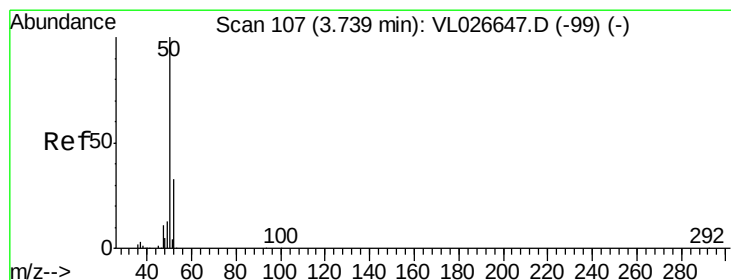
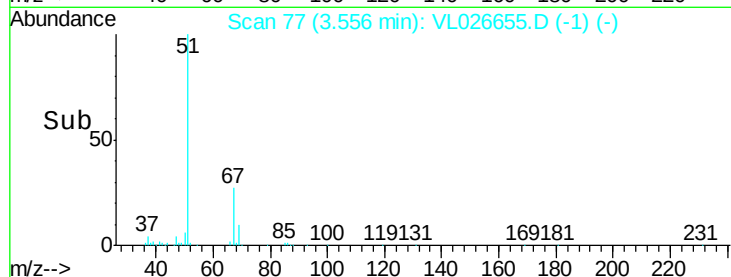
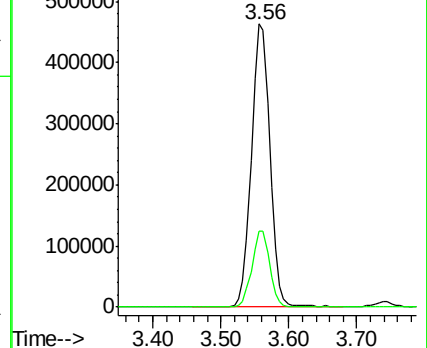
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 8.22 ppbv

RT: 3.74 min Scan# 107

Delta R.T. 0.00 min

Lab File: VL026655.D

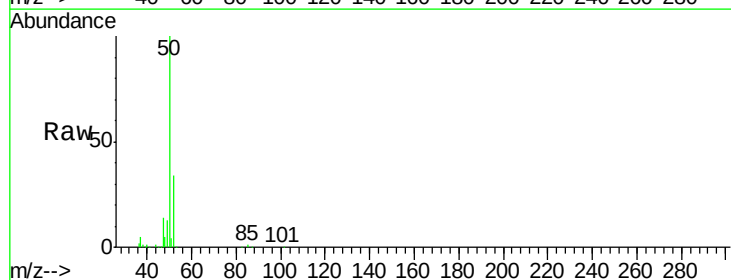
Acq: 9 Jan 2016 00:15

Tgt Ion: 50 Resp: 402566

Ion Ratio Lower Upper

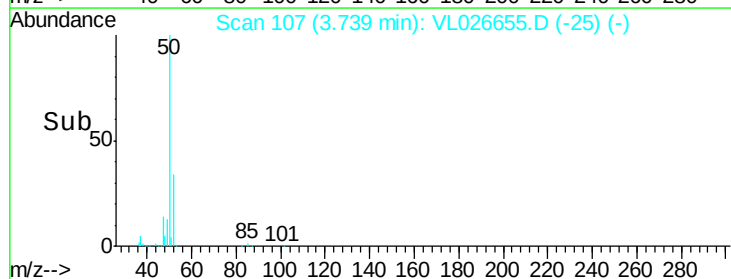
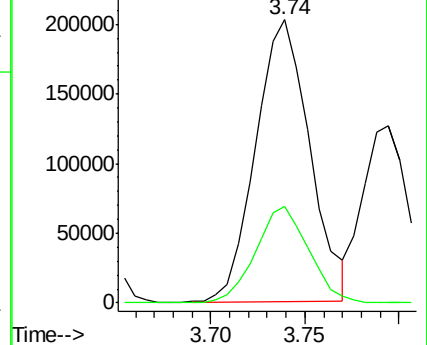
50 100

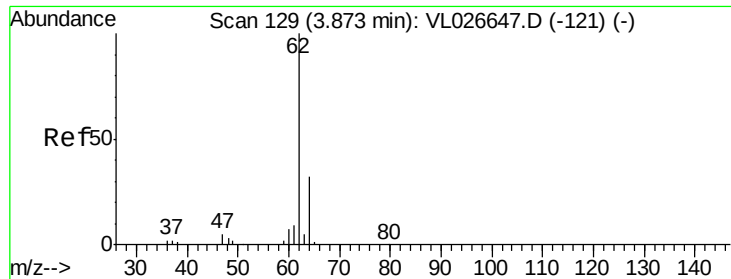
52 34.4 26.7 40.1



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.31 ppbv

RT: 3.87 min Scan# 129

Delta R.T. 0.00 min

Lab File: VL026655.D

Acq: 9 Jan 2016 00:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL010816

Tot Ion: 62 Resp: 493055

Ion Ratio Lower Upper

62 100

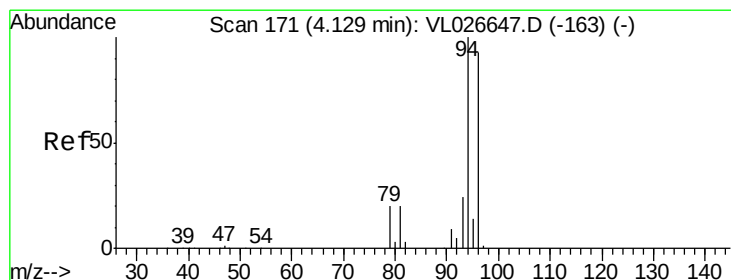
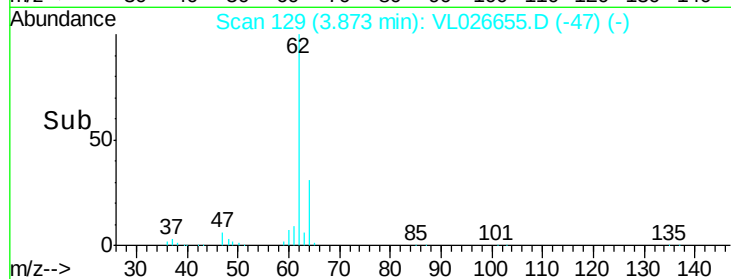
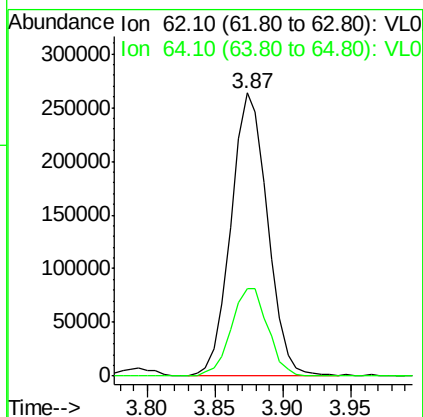
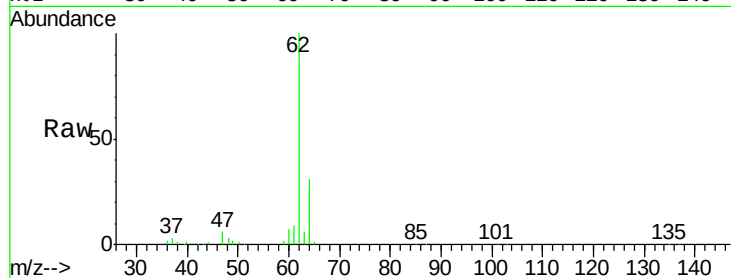
64 31.0 25.6 38.4

Manual Integrations

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#6

Bromomethane

Concen: 9.65 ppbv

RT: 4.13 min Scan# 171

Delta R.T. 0.00 min

Lab File: VL026655.D

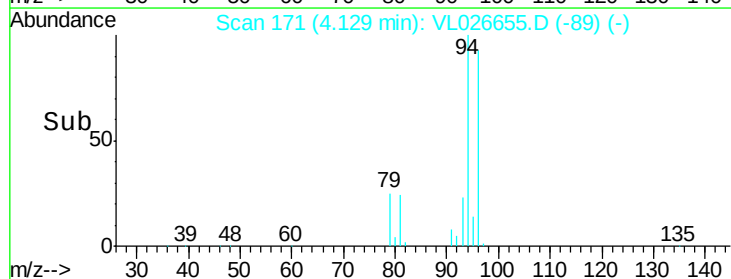
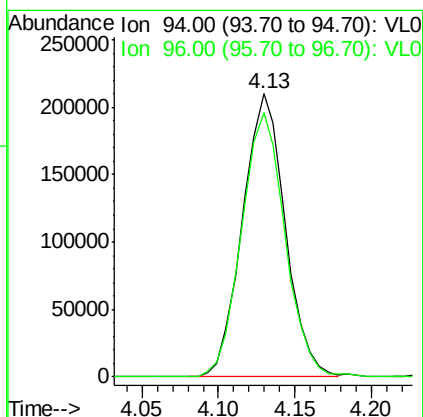
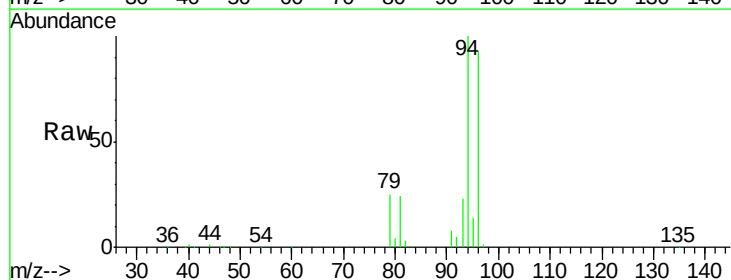
Acq: 9 Jan 2016 00:15

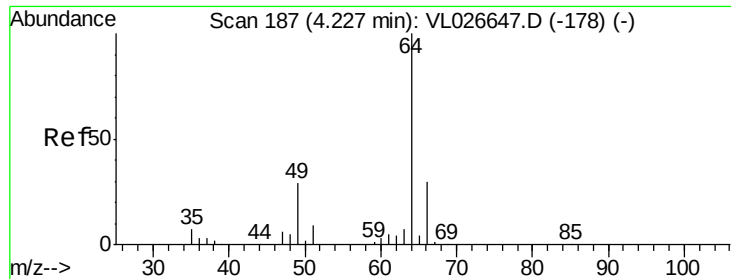
Tgt Ion: 94 Resp: 407698

Ion Ratio Lower Upper

94 100

96 93.4 74.6 112.0





#7

Chloroethane

Concen: 8.76 ppbv

RT: 4.23 min Scan# 187

Delta R.T. 0.00 min

Lab File: VL026655.D

Acq: 9 Jan 2016 00:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL010816

Tot Ion: 64 Resp: 210211

Ion Ratio Lower Upper

64 100

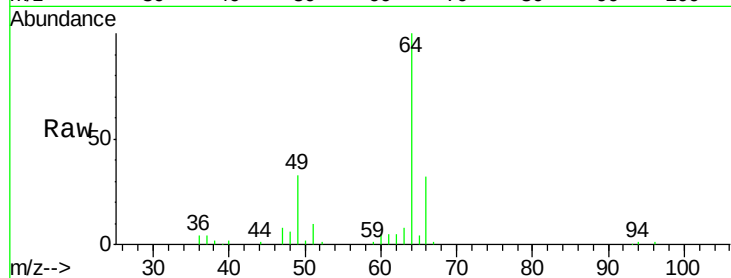
66 32.0 24.3 36.5

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

120000

100000

80000

60000

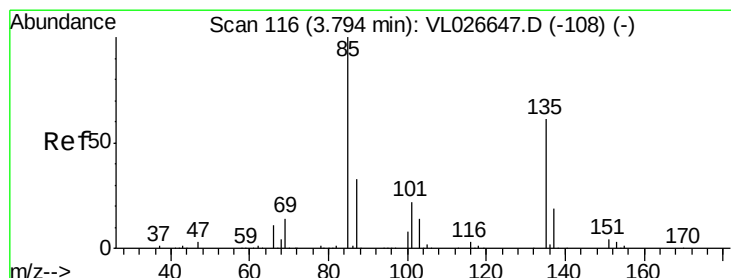
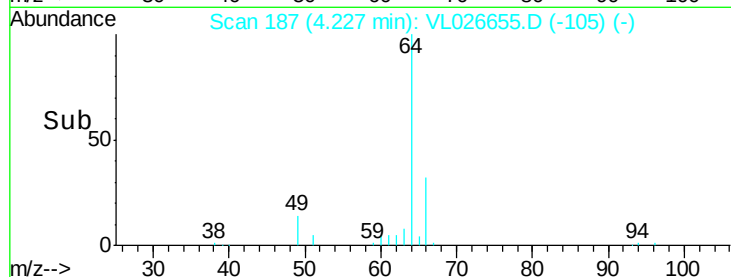
40000

20000

0

4.15 4.20 4.25 4.30

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.59 ppbv

RT: 3.79 min Scan# 116

Delta R.T. 0.00 min

Lab File: VL026655.D

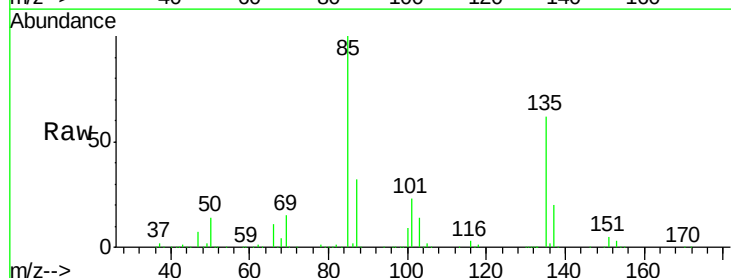
Acq: 9 Jan 2016 00:15

Tgt Ion: 85 Resp: 1508583

Ion Ratio Lower Upper

85 100

135 62.2 49.8 74.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

1000000

800000

600000

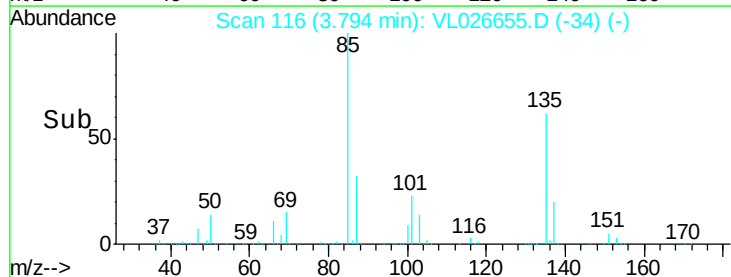
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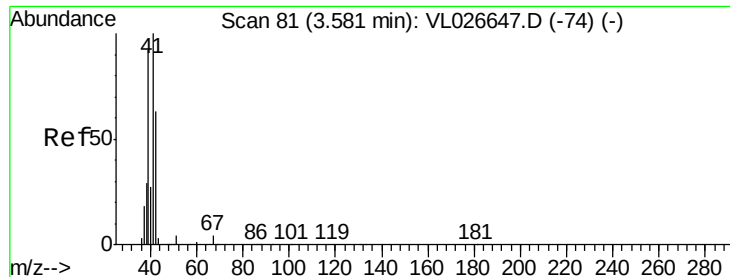
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0

3.70 3.75 3.80 3.85

Time-->





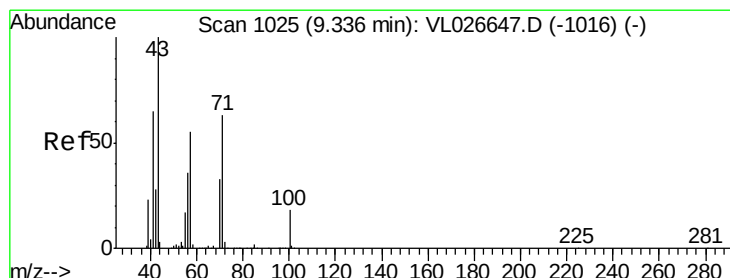
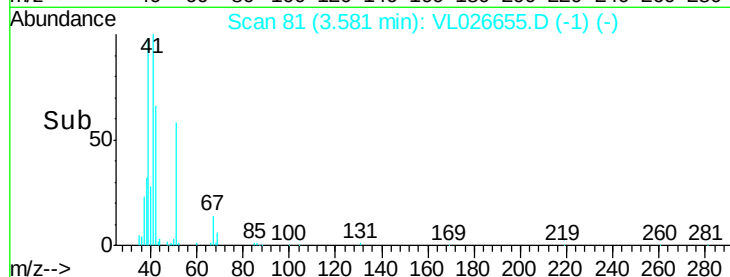
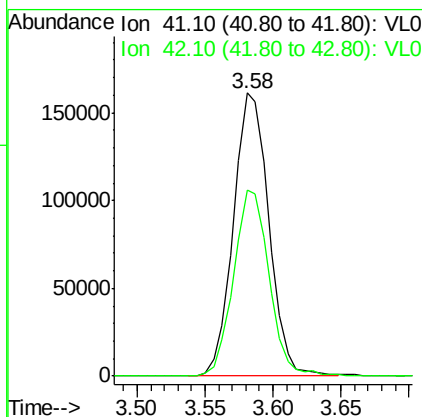
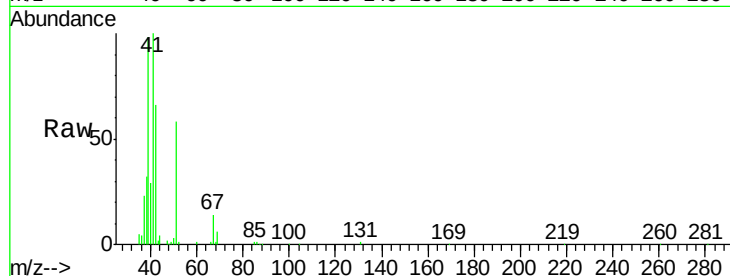
#9
 Propene
 Concen: 8.16 ppbv
 RT: 3.58 min Scan# 81
 Delta R.T. 0.00 min
 Lab File: VL026655.D
 Acq: 9 Jan 2016 00:15

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL010816

Tot Ion: 41 Resp: 293888
 Ion Ratio Lower Upper
 41 100
 42 65.9 53.6 80.4

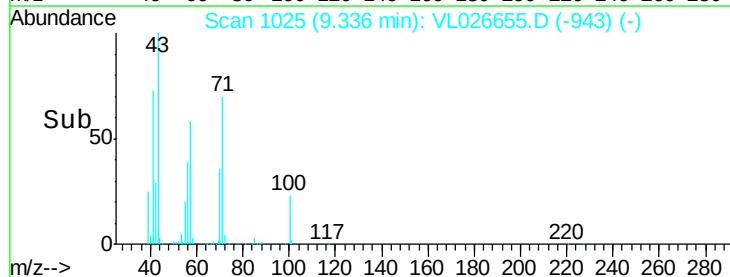
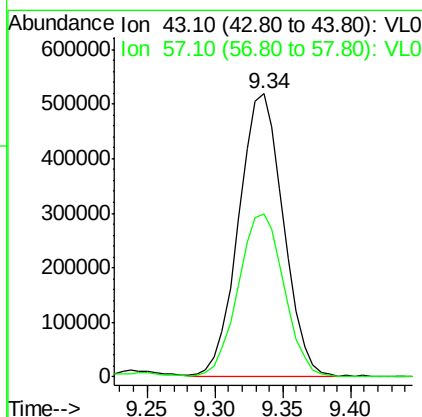
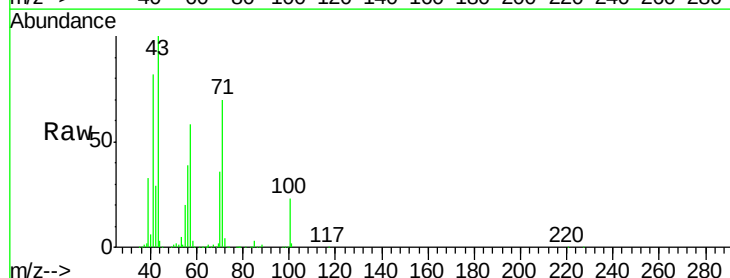
Manual Integrations
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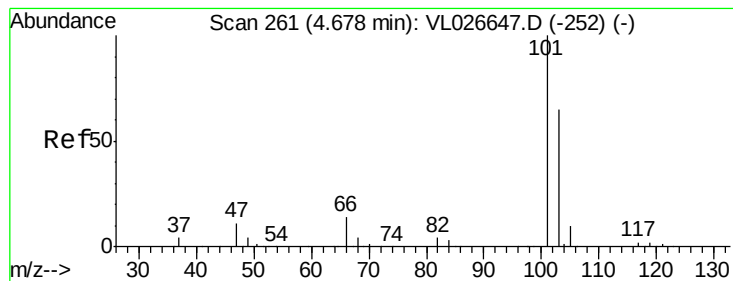
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#10
 Heptane
 Concen: 8.81 ppbv
 RT: 9.34 min Scan# 1025
 Delta R.T. 0.00 min
 Lab File: VL026655.D
 Acq: 9 Jan 2016 00:15

Tgt Ion: 43 Resp: 1182700
 Ion Ratio Lower Upper
 43 100
 57 61.8 45.8 68.6





#11

Trichlorofluoromethane

Concen: 10.43 ppbv

RT: 4.68 min Scan# 261

Delta R.T. 0.00 min

Lab File: VL026655.D

Acq: 9 Jan 2016 00:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL010816

Tot Ion:101 Resp: 2163952

Ion Ratio Lower Upper

101 100

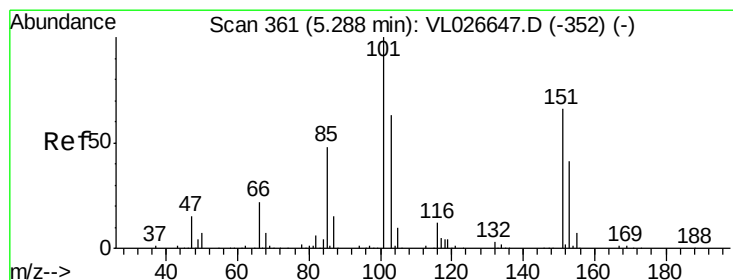
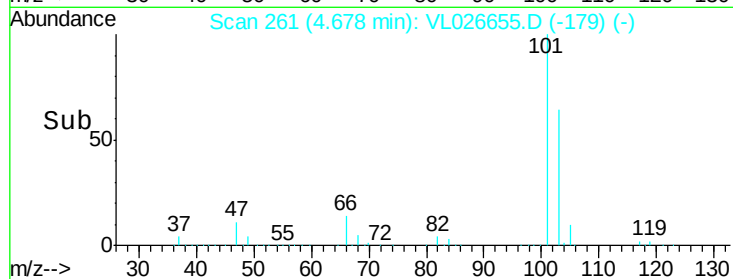
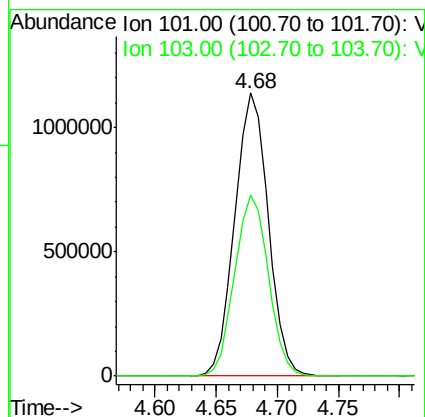
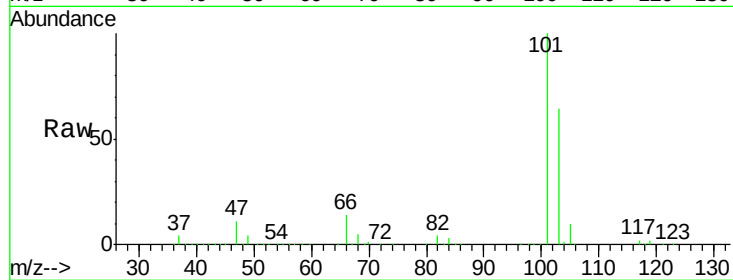
103 63.8 51.7 77.5

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#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.77 ppbv

RT: 5.29 min Scan# 361

Delta R.T. 0.00 min

Lab File: VL026655.D

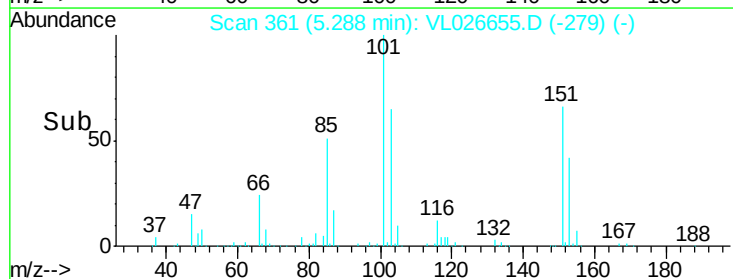
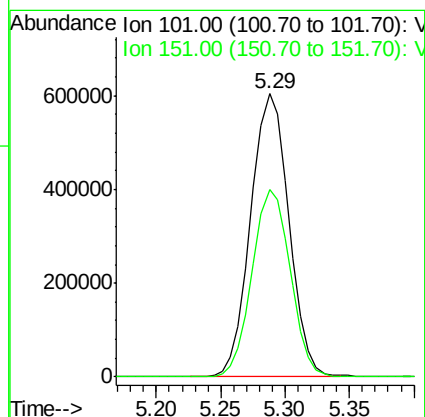
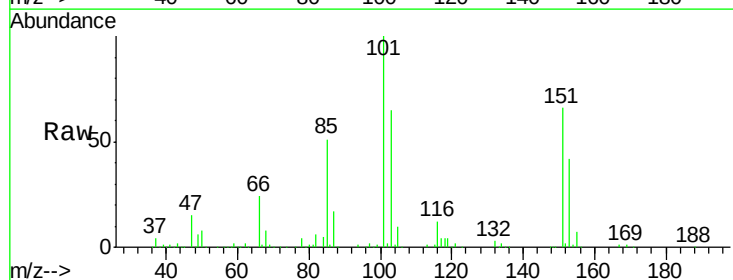
Acq: 9 Jan 2016 00:15

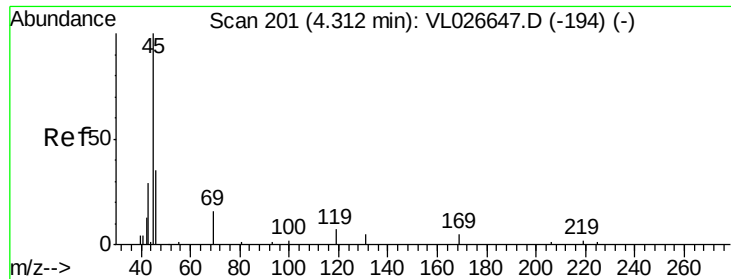
Tgt Ion:101 Resp: 1244357

Ion Ratio Lower Upper

101 100

151 66.7 54.2 81.4





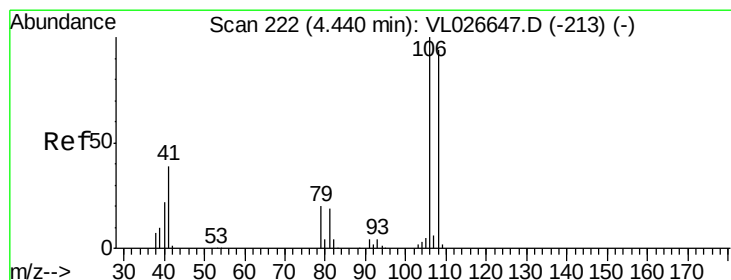
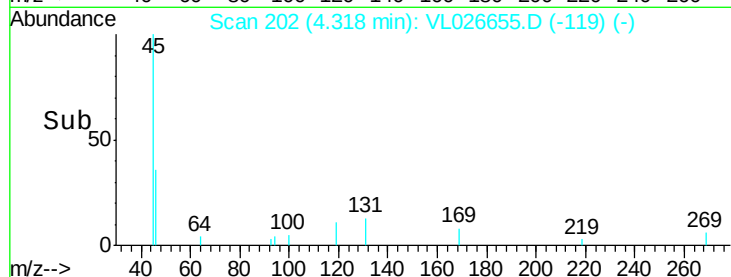
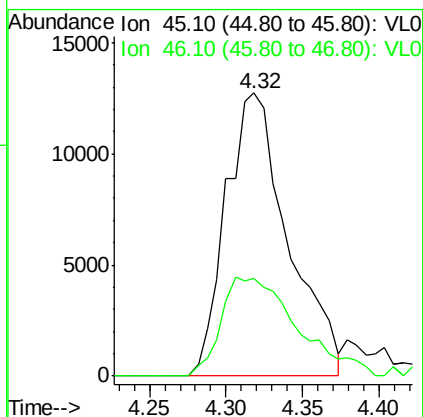
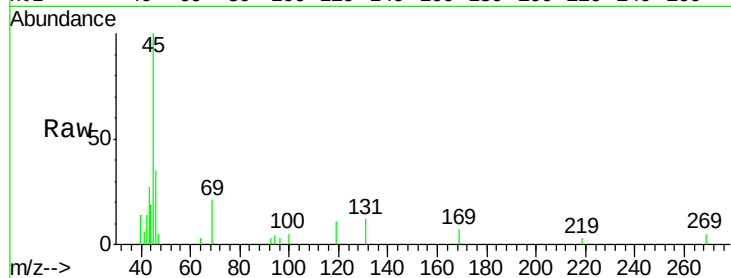
#13
Ethanol
Concen: 5.25 ppbv
RT: 4.32 min Scan# 202
Delta R.T. 0.01 min
Lab File: VL026655.D
Acq: 9 Jan 2016 00:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL010816

Tot Ion: 45 Resp: 35933
Ion Ratio Lower Upper
45 100
46 43.1 16.7 66.7

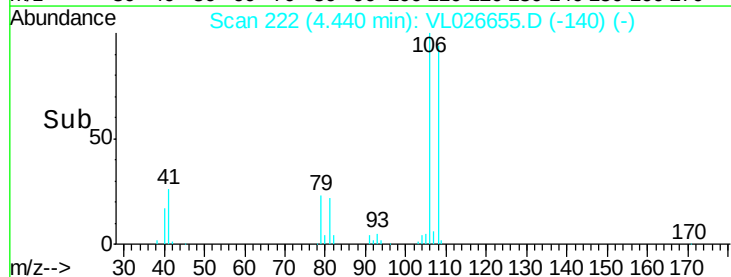
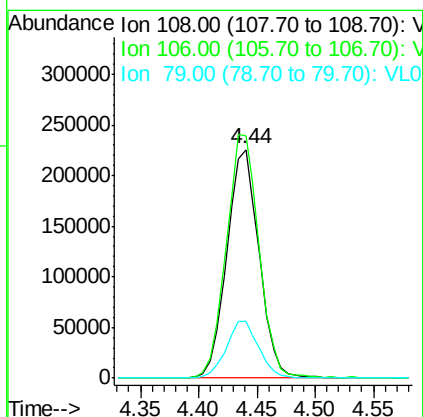
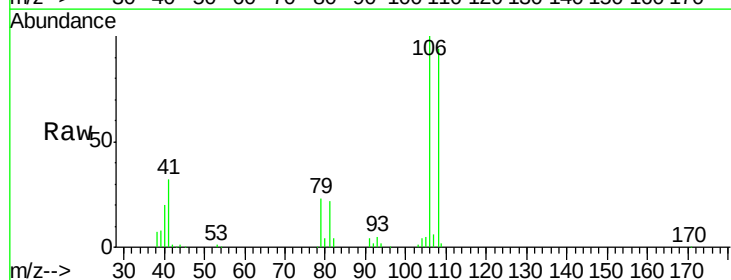
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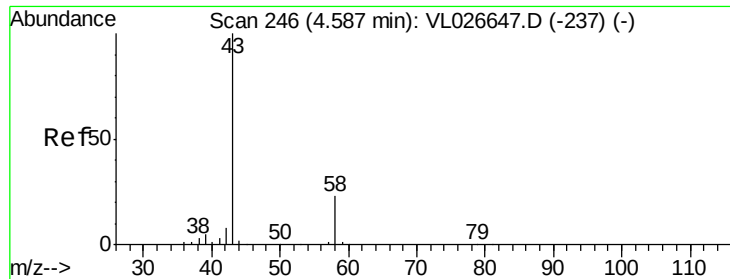
MMDADODA
1/21/2016 12:06:11 PM



#14
Bromoethene
Concen: 9.46 ppbv
RT: 4.44 min Scan# 222
Delta R.T. 0.00 min
Lab File: VL026655.D
Acq: 9 Jan 2016 00:15

Tgt Ion: 108 Resp: 434055
Ion Ratio Lower Upper
108 100
106 108.5 86.4 129.6
79 25.4 17.2 25.8





#15

Acetone

Concen: 8.11 ppbv

RT: 4.59 min Scan# 246

Delta R.T. 0.00 min

Lab File: VL026655.D

Acq: 9 Jan 2016 00:15

Tot Ion: 43 Resp: 1003822

Ion Ratio Lower Upper

43 100

58 23.4 19.2 28.8

Instrument :

MSVOA_L

ClientSampleId :

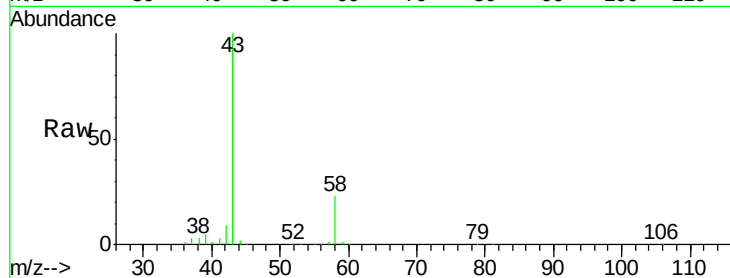
ICVVL010816

Manual Integrations

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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

4.59

500000

400000

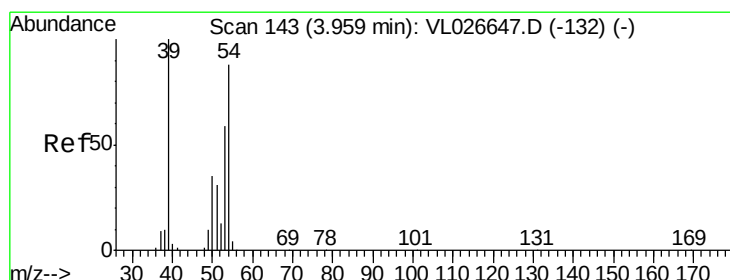
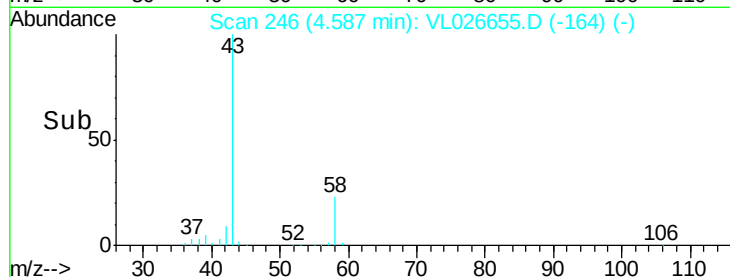
300000

200000

100000

0

Time-->



#16

1,3-Butadiene

Concen: 8.77 ppbv

RT: 3.96 min Scan# 143

Delta R.T. 0.00 min

Lab File: VL026655.D

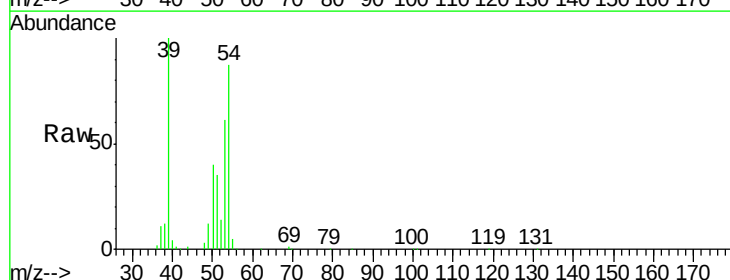
Acq: 9 Jan 2016 00:15

Tgt Ion: 39 Resp: 433388

Ion Ratio Lower Upper

39 100

54 82.6 66.6 100.0



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.96

250000

200000

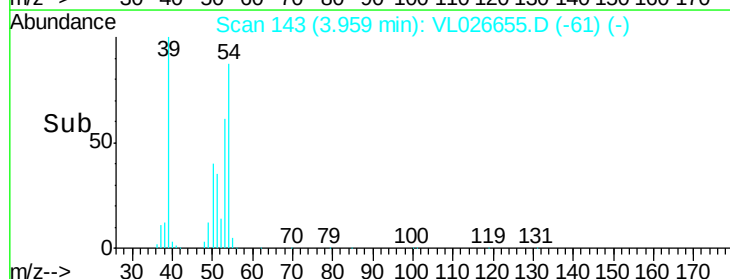
150000

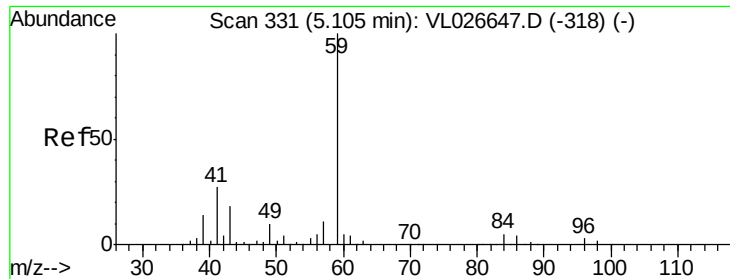
100000

50000

0

Time-->





#17

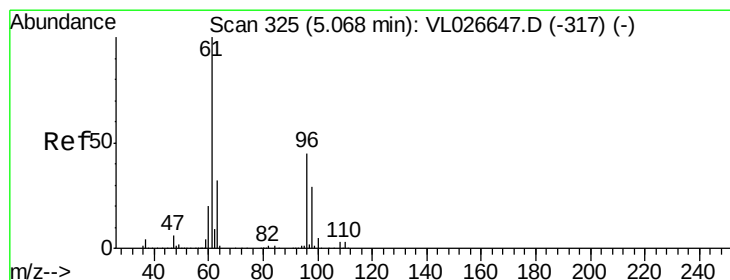
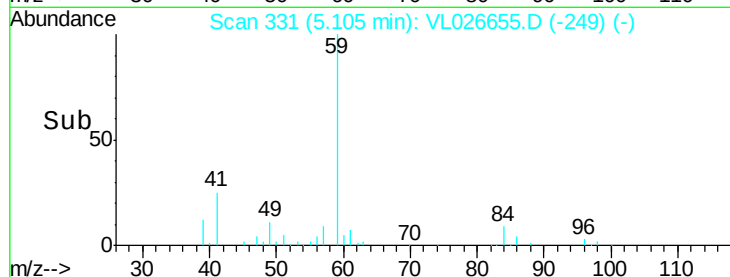
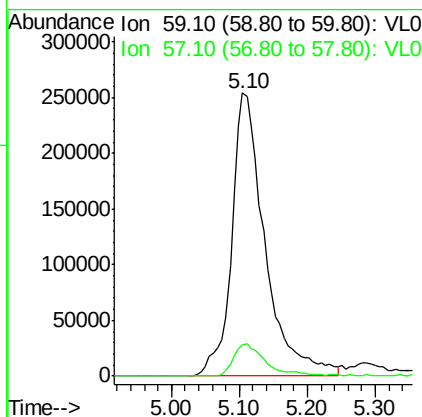
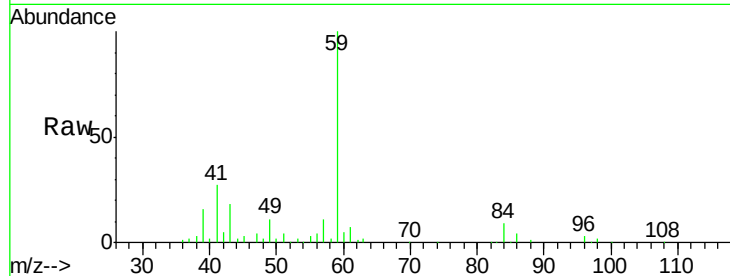
tert-Butyl alcohol
Concen: 9.26 ppbv
RT: 5.10 min Scan# 331
Delta R.T. 0.00 min
Lab File: VL026655.D
Acq: 9 Jan 2016 00:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL010816

Tot Ion	59	Resp	864793
Ion Ratio	100	Lower	Upper
57	11.5	9.0	13.6

Manual Integrations
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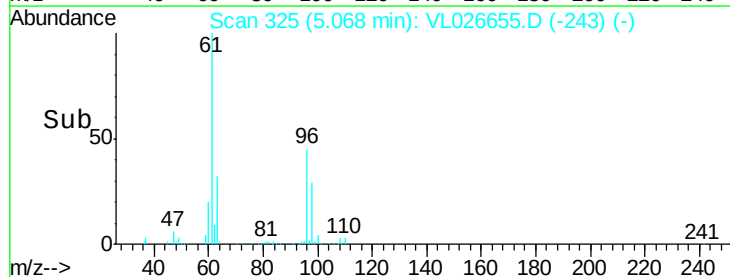
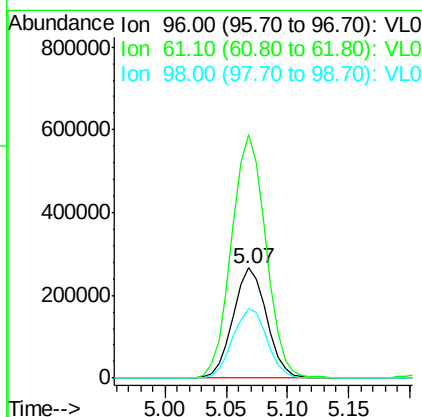
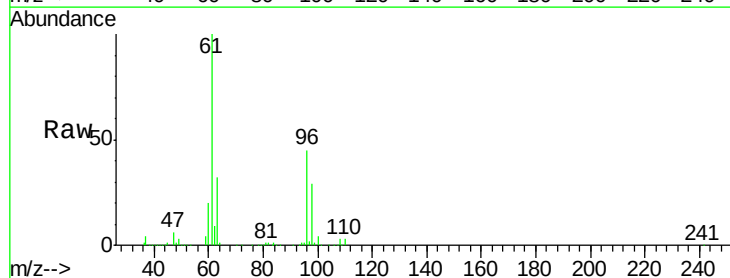
MMDADODA
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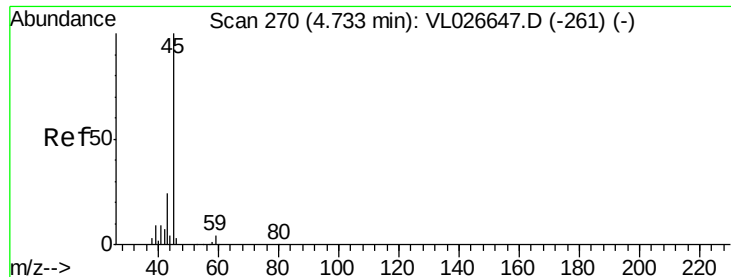


#18

1,1-Dichloroethene
Concen: 9.58 ppbv
RT: 5.07 min Scan# 325
Delta R.T. 0.00 min
Lab File: VL026655.D
Acq: 9 Jan 2016 00:15

Tgt Ion	96	Resp	509282
Ion Ratio	100	Lower	Upper
61	221.5	176.7	265.1
98	63.4	51.8	77.6





#19

Isopropyl Alcohol

Concen: 7.69 ppbv

RT: 4.73 min Scan# 270

Delta R.T. 0.00 min

Lab File: VL026655.D

Acq: 9 Jan 2016 00:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL010816

Tot Ion: 45 Resp: 392649

Ion Ratio Lower Upper

45 100

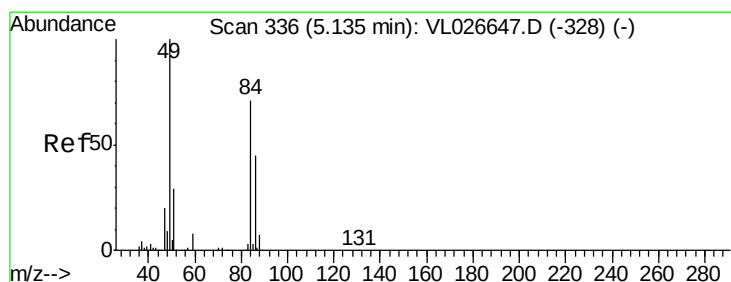
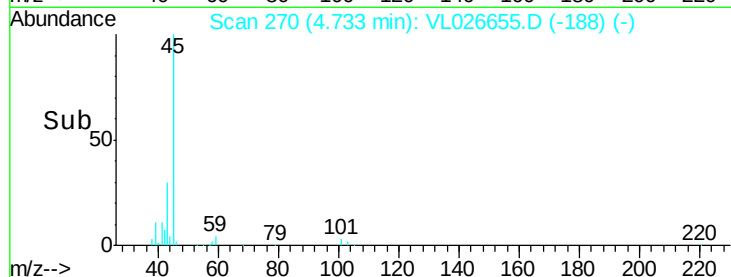
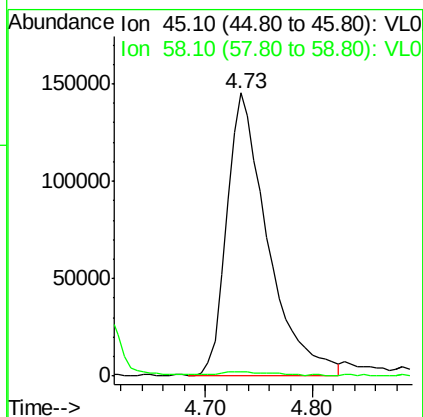
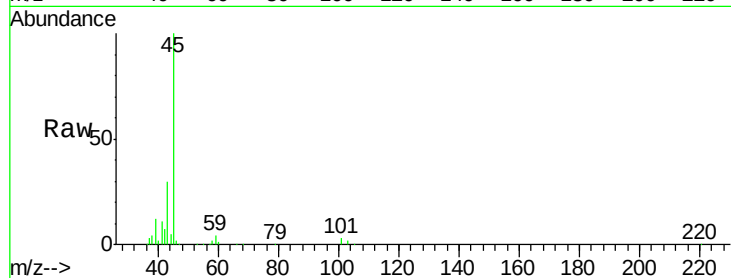
58 2.1 1.3 1.9#

Manual Integrations

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#20

Methylene Chloride

Concen: 9.17 ppbv

RT: 5.14 min Scan# 336

Delta R.T. 0.00 min

Lab File: VL026655.D

Acq: 9 Jan 2016 00:15

Tgt Ion: 84 Resp: 465535

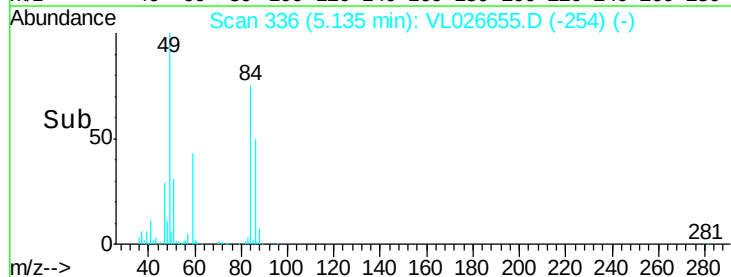
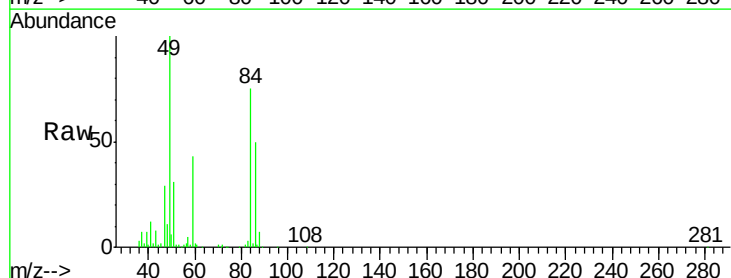
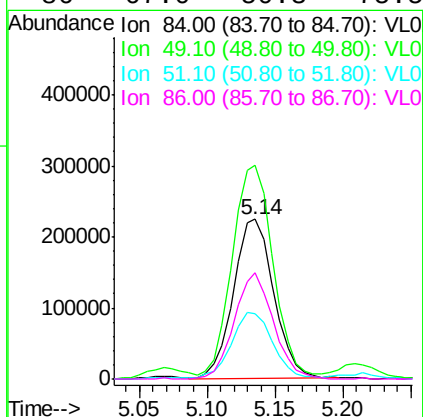
Ion Ratio Lower Upper

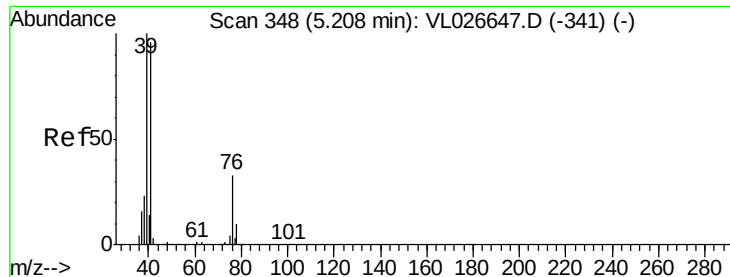
84 100

49 130.6 112.3 168.5

51 40.3 32.5 48.7

86 67.0 50.3 75.5





#21

Allvl Chloride

Concen: 8.71 ppbv

RT: 5.21 min Scan# 348

Delta R.T. 0.00 min

Lab File: VL026655.D

Acq: 9 Jan 2016 00:15

Instrument :

MSVOA_L

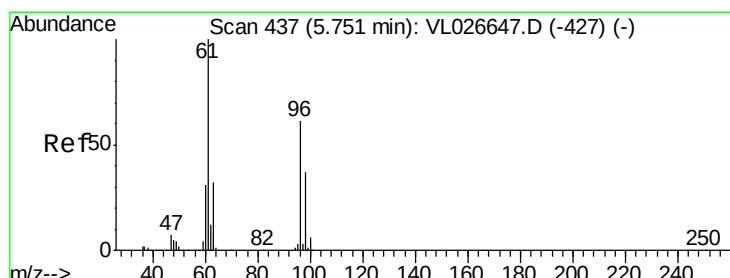
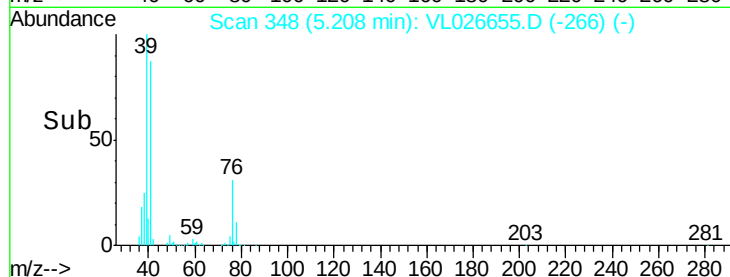
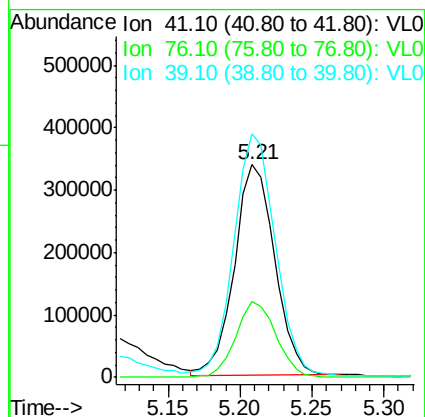
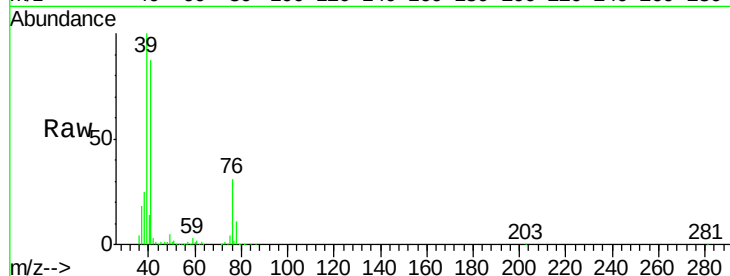
ClientSampleId :

ICVVL010816

Tot Ion:	41	Resp:	661581
Ion	Ratio	Lower	Upper
41	100		
76	35.9	27.5	41.3
39	119.0	83.0	124.6

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#22

trans-1,2-Dichloroethene

Concen: 9.31 ppbv

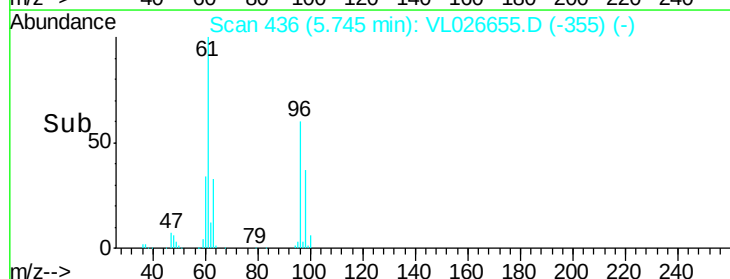
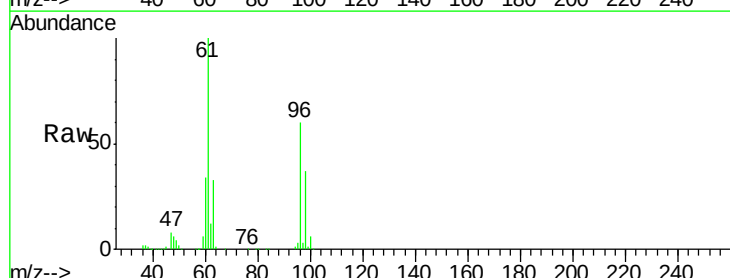
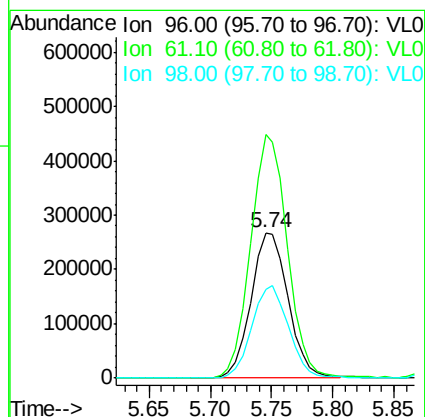
RT: 5.74 min Scan# 436

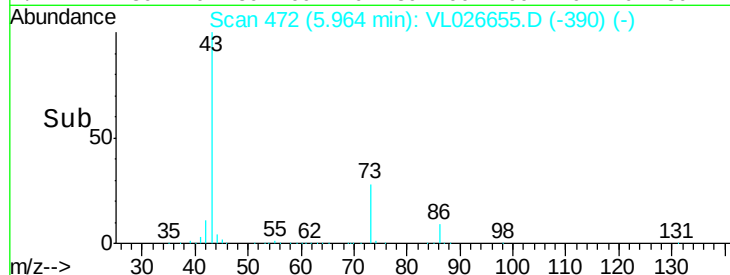
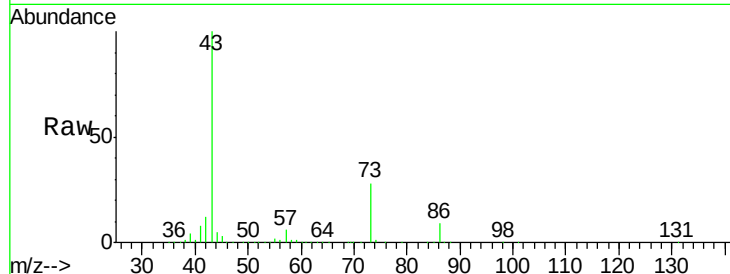
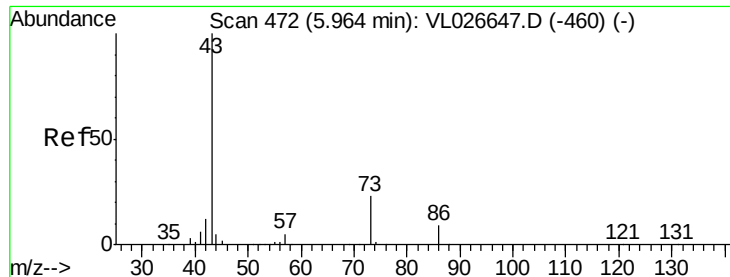
Delta R.T. -0.01 min

Lab File: VL026655.D

Acq: 9 Jan 2016 00:15

Tgt Ion:	96	Resp:	565081
Ion	Ratio	Lower	Upper
96	100		
61	167.3	131.0	196.6
98	61.2	48.1	72.1





#23

Vinyl Acetate

Concen: 8.47 ppbv

RT: 5.96 min Scan# 472

Delta R.T. 0.00 min

Lab File: VL026655.D

Acq: 9 Jan 2016 00:15

Tot Ion: 43 Resp: 1610332

Ion Ratio Lower Upper

43 100

86 8.9 7.4 11.0

42 11.6 9.2 13.8

44 4.6 3.8 5.8

Instrument :

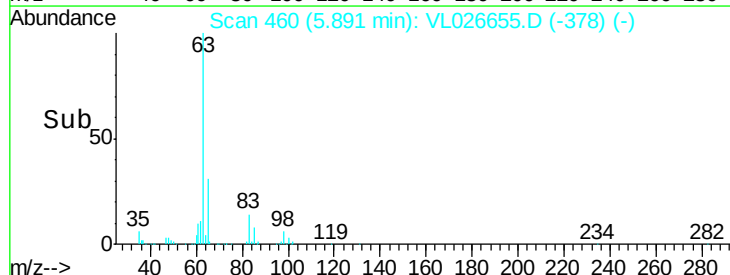
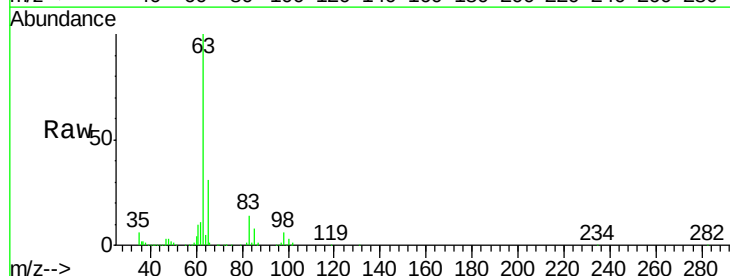
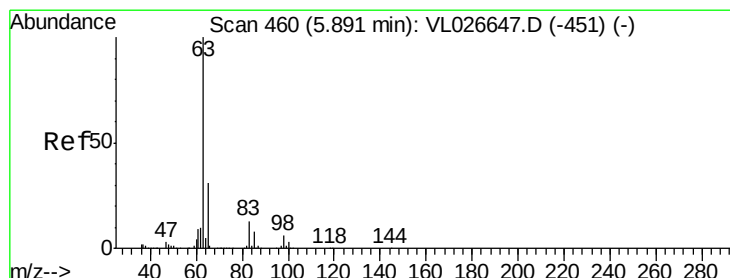
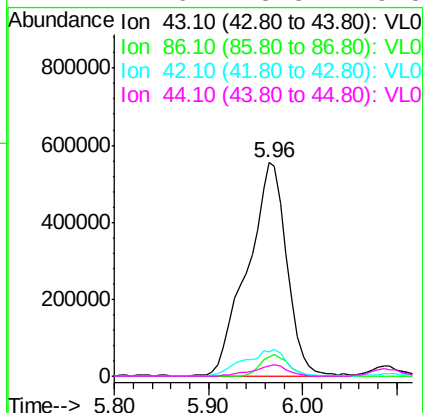
MSVOA_L

ClientSampleId :

ICVVL010816

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 9.12 ppbv

RT: 5.89 min Scan# 460

Delta R.T. 0.00 min

Lab File: VL026655.D

Acq: 9 Jan 2016 00:15

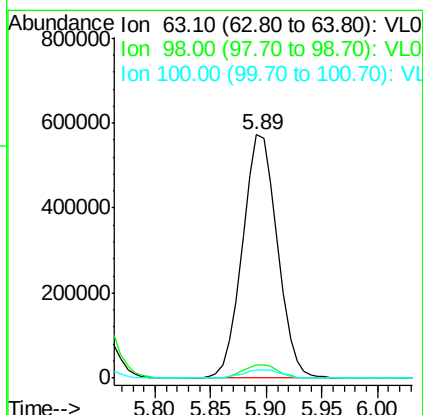
Tgt Ion: 63 Resp: 1249494

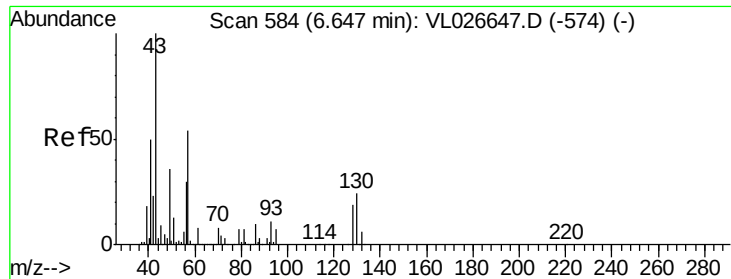
Ion Ratio Lower Upper

63 100

98 5.4 2.9 8.7

100 3.2 1.6 4.8





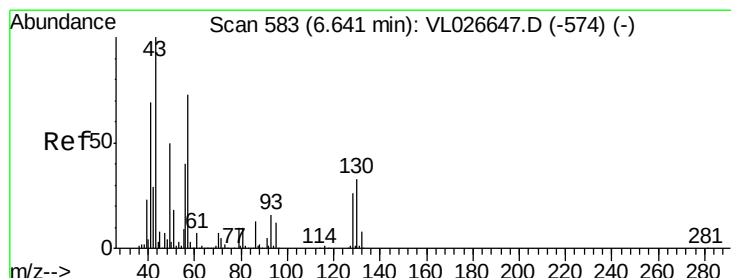
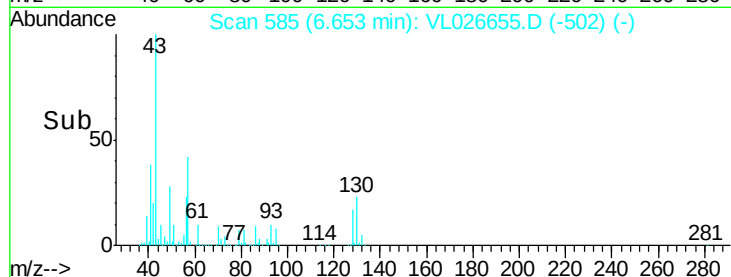
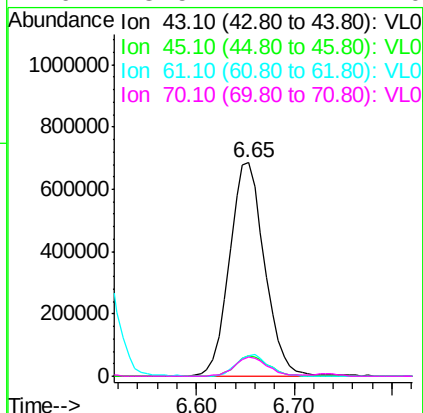
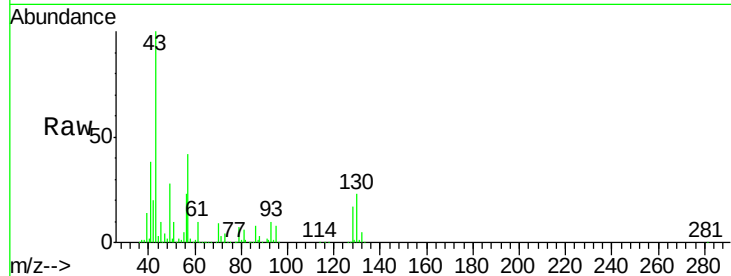
#25
Ethyl Acetate
Concen: 8.87 ppbv
RT: 6.65 min Scan# 585
Delta R.T. 0.01 min
Lab File: VL026655.D
Acq: 9 Jan 2016 00:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL010816

Tot Ion	Ion	Ratio	Lower	Upper
43.10	43	100		
45.10	45	9.3	7.5	11.3
61.10	61	9.2	7.3	10.9
70.10	70	8.5	7.4	11.0

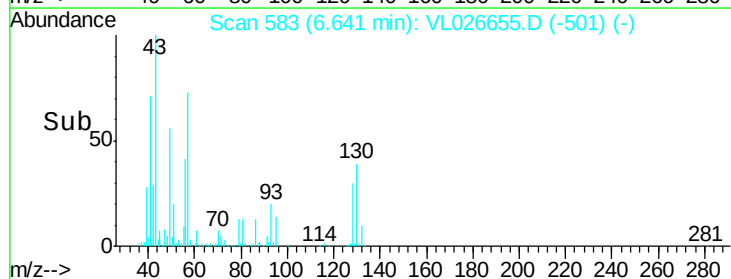
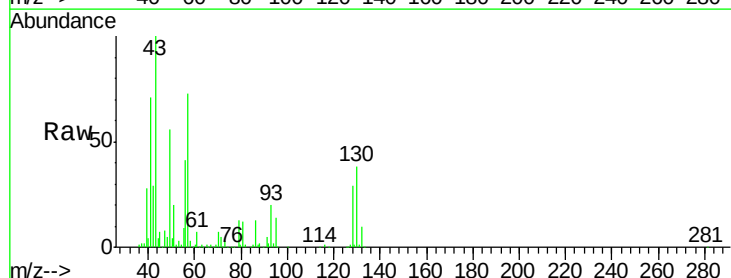
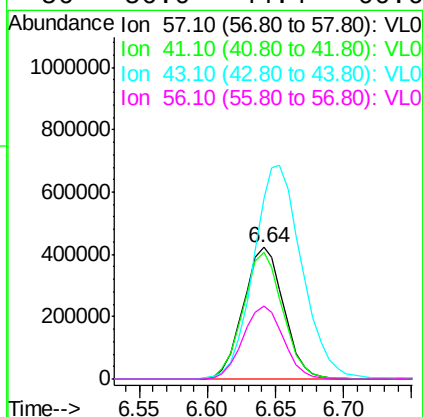
Manual Integrations
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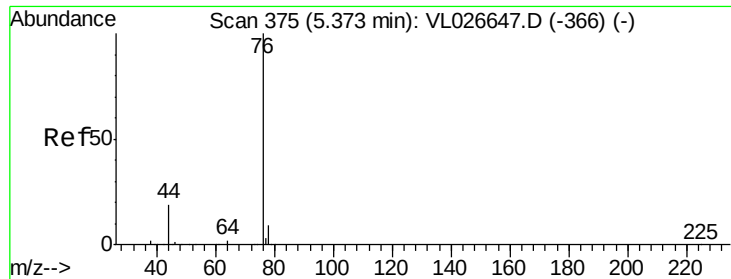
MMDADODA
1/21/2016 12:06:11 PM



#26
Hexane
Concen: 8.87 ppbv
RT: 6.64 min Scan# 583
Delta R.T. 0.00 min
Lab File: VL026655.D
Acq: 9 Jan 2016 00:15

Tgt Ion	Ion	Ratio	Lower	Upper
57.10	57	100		
41.10	41	97.1	74.8	112.2
43.10	43	195.0	161.5	242.3
56.10	56	56.0	44.4	66.6





#27

Carbon Disulfide

Concen: 9.95 ppbv

RT: 5.37 min Scan# 375

Delta R.T. 0.00 min

Lab File: VL026655.D

Acq: 9 Jan 2016 00:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL010816

Tot Ion: 76 Resp: 1461310

Ion Ratio Lower Upper

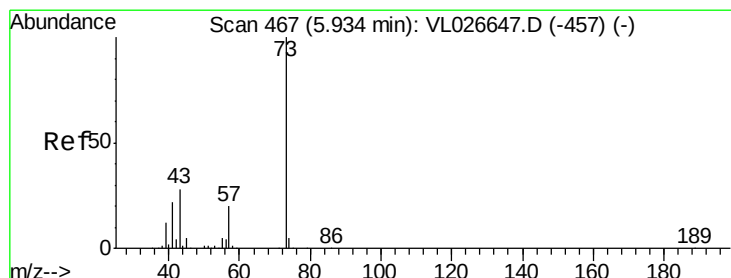
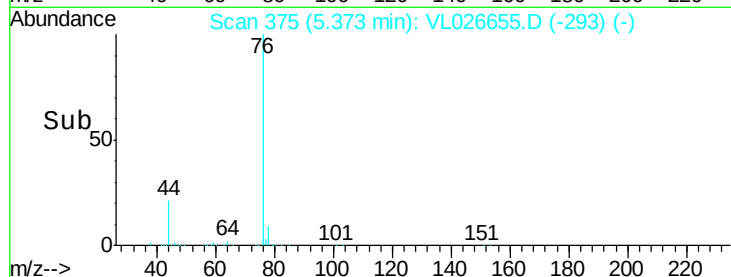
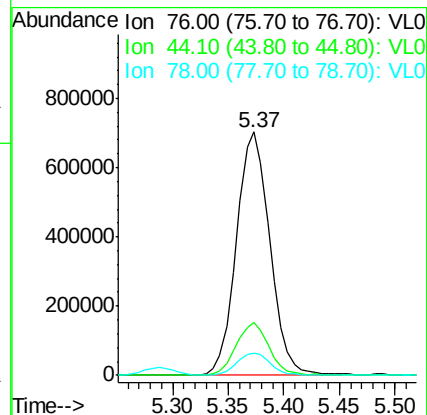
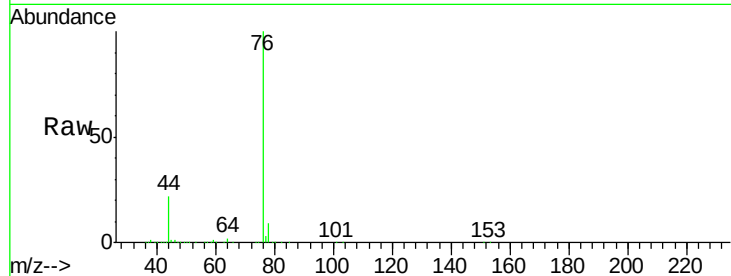
76 100

44 21.6 15.9 23.9

78 9.5 7.6 11.4

Manual Integrations
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#28

Methyl tert-Butyl Ether

Concen: 9.45 ppbv

RT: 5.93 min Scan# 467

Delta R.T. 0.00 min

Lab File: VL026655.D

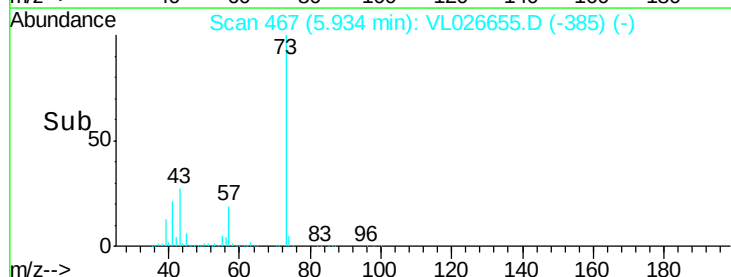
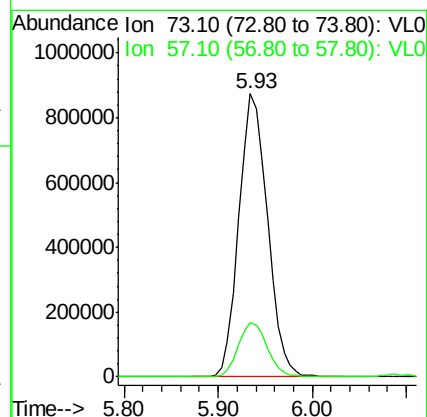
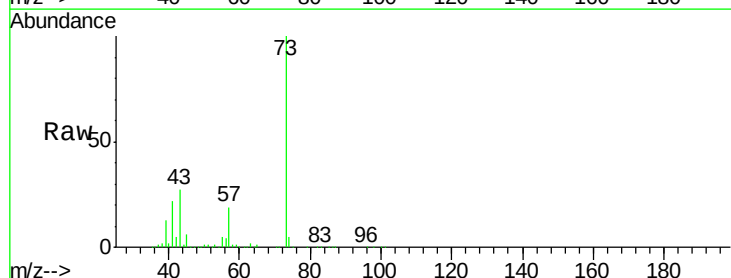
Acq: 9 Jan 2016 00:15

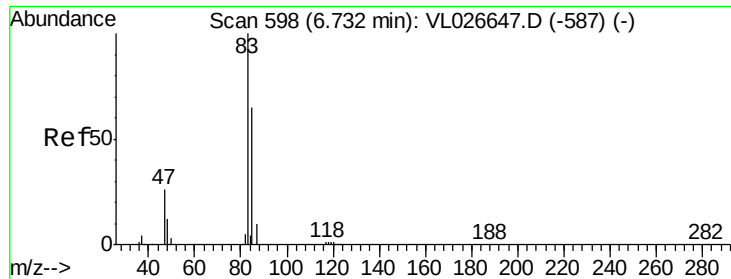
Tgt Ion: 73 Resp: 1856602

Ion Ratio Lower Upper

73 100

57 19.5 16.2 24.4





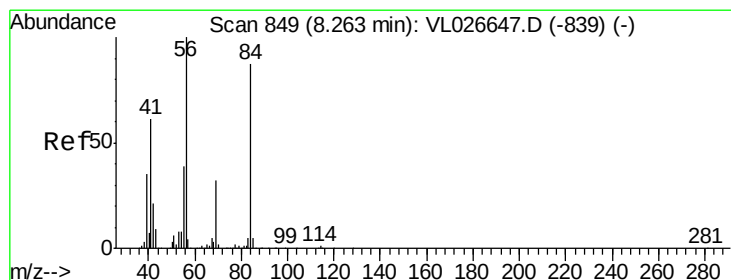
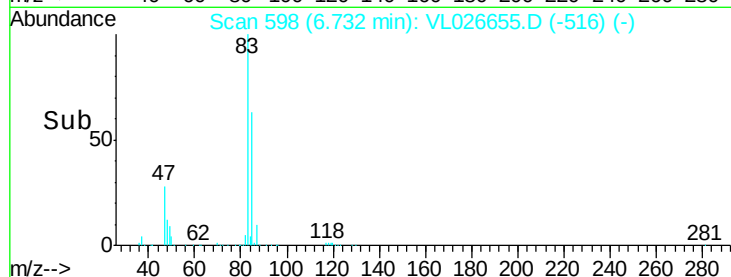
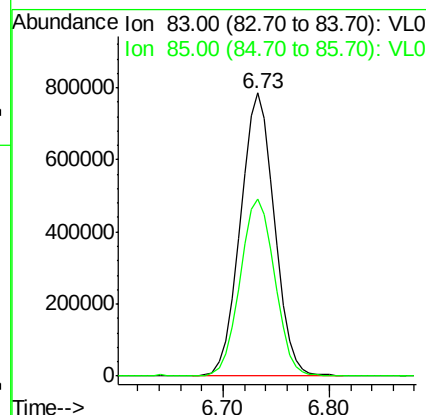
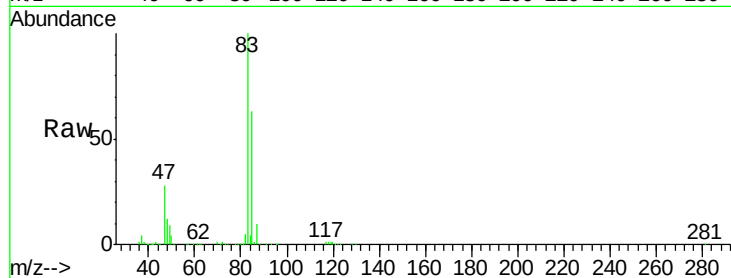
#29
Chloroform
Concen: 9.84 ppbv
RT: 6.73 min Scan# 598
Delta R.T. 0.00 min
Lab File: VL026655.D
Acq: 9 Jan 2016 00:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL010816

Tot Ion: 83 Resp: 1765237
Ion Ratio Lower Upper
83 100
85 62.5 51.6 77.4

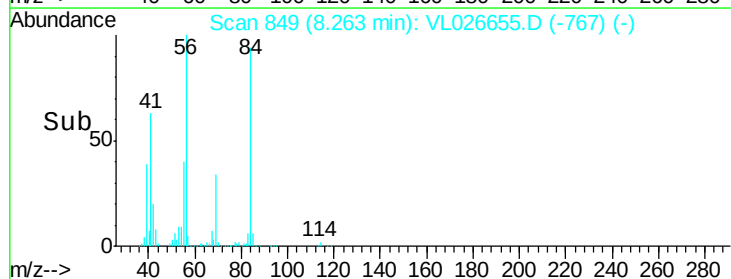
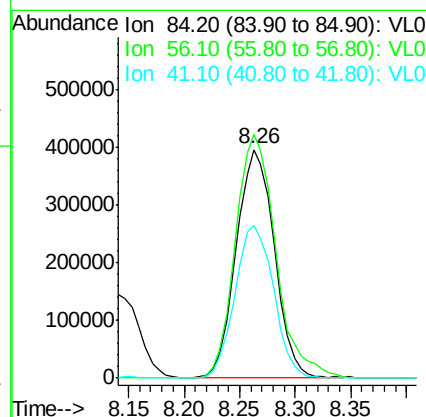
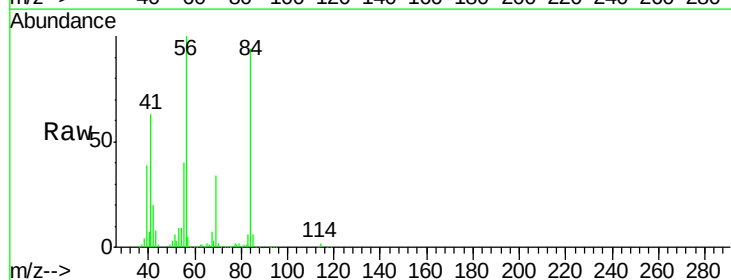
Manual Integrations
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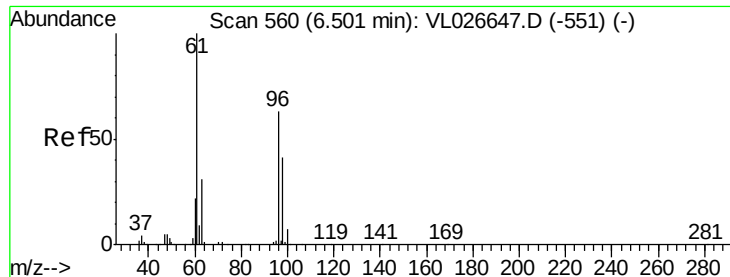
MMDADODA
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#30
Cyclohexane
Concen: 9.61 ppbv
RT: 8.26 min Scan# 849
Delta R.T. 0.00 min
Lab File: VL026655.D
Acq: 9 Jan 2016 00:15

Tgt Ion: 84 Resp: 937600
Ion Ratio Lower Upper
84 100
56 114.0 95.9 143.9
41 68.2 54.8 82.2





#31

cis-1,2-Dichloroethene

Concen: 9.63 ppbv

RT: 6.50 min Scan# 560

Delta R.T. 0.00 min

Lab File: VL026655.D

Acq: 9 Jan 2016 00:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL010816

Tot Ion: 61 Resp: 958663

Ion Ratio Lower Upper

61 100

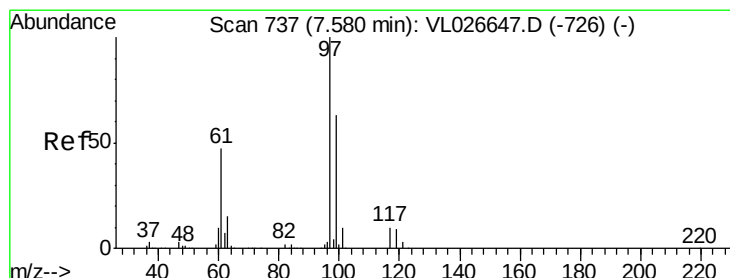
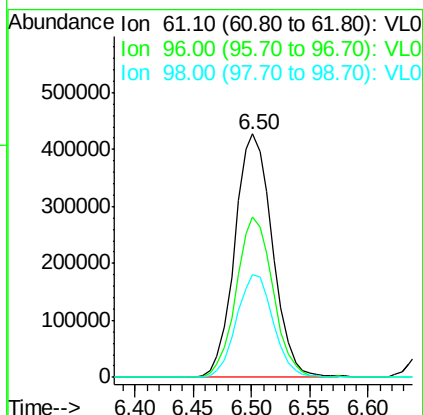
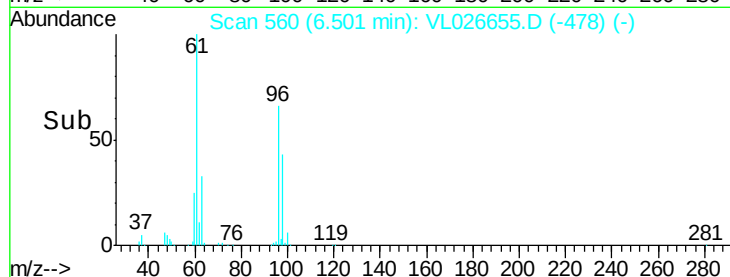
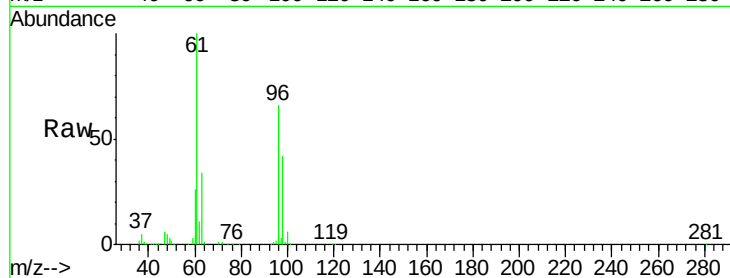
96 65.8 50.2 75.4

98 42.4 32.4 48.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 9.66 ppbv

RT: 7.58 min Scan# 737

Delta R.T. 0.00 min

Lab File: VL026655.D

Acq: 9 Jan 2016 00:15

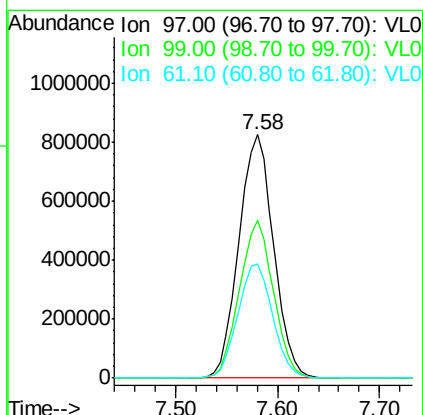
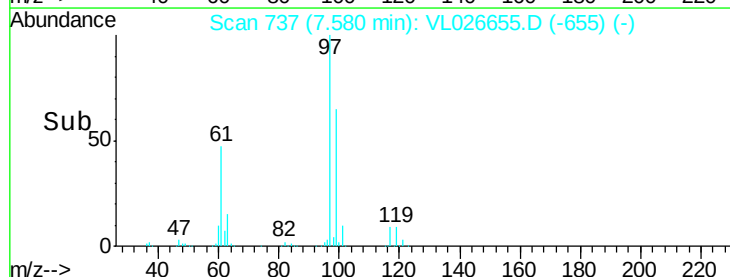
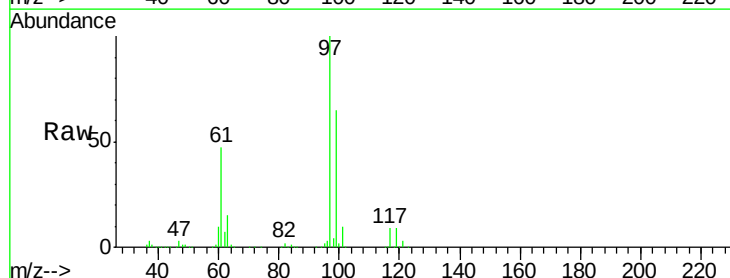
Tgt Ion: 97 Resp: 1955105

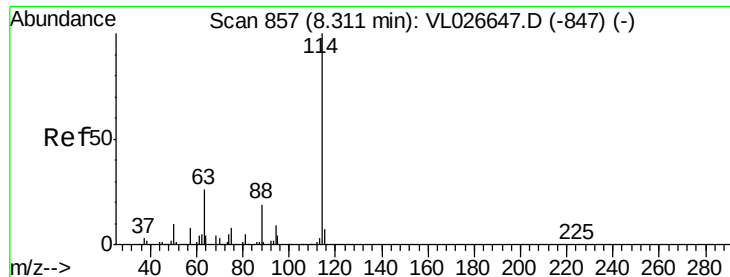
Ion Ratio Lower Upper

97 100

99 63.5 50.8 76.2

61 47.3 38.9 58.3





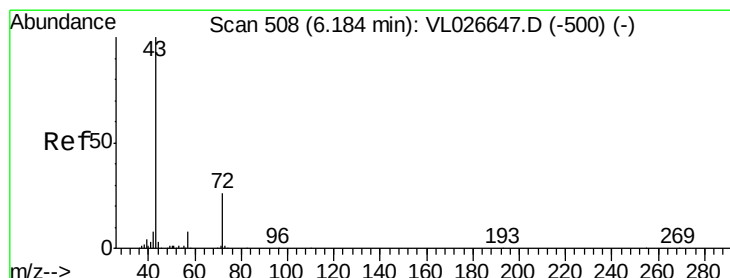
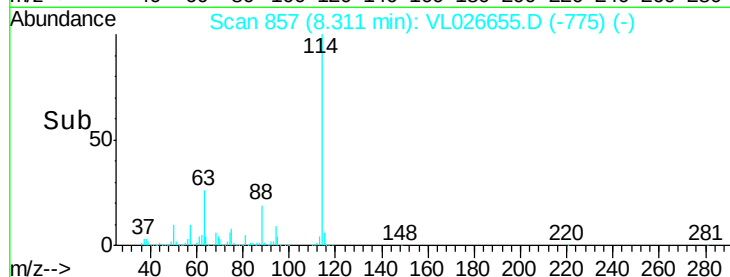
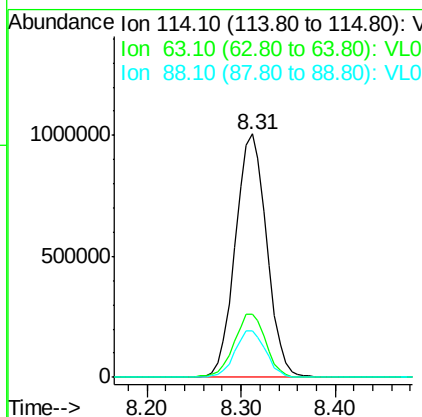
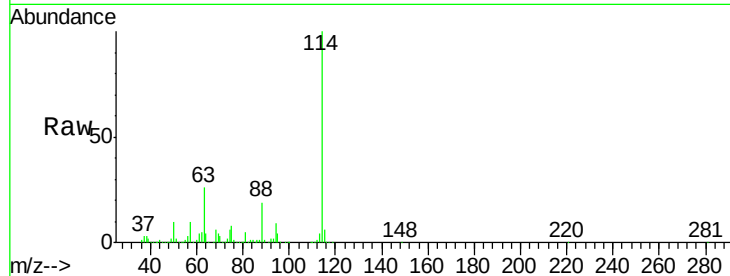
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 8.31 min Scan# 857
 Delta R.T. 0.00 min
 Lab File: VL026655.D
 Acq: 9 Jan 2016 00:15

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL010816

Tot Ion:114 Resp: 2340699
 Ion Ratio Lower Upper
 114 100
 63 26.3 21.7 32.5
 88 18.9 15.2 22.8

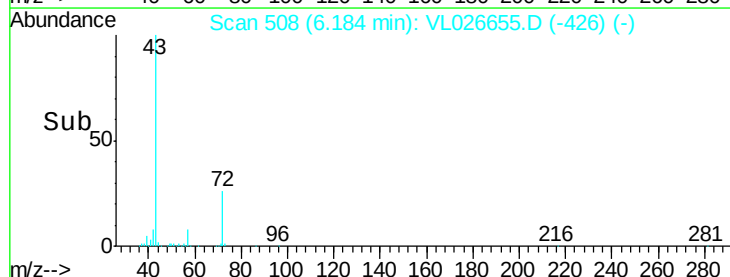
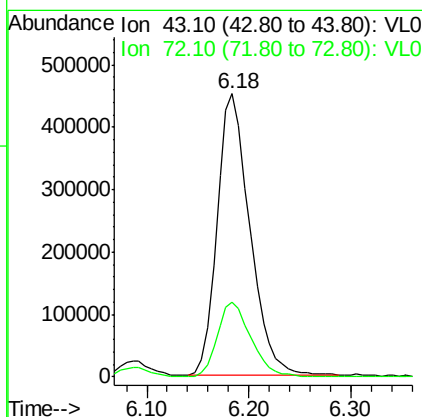
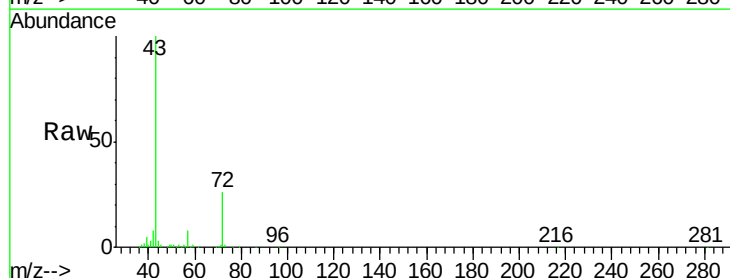
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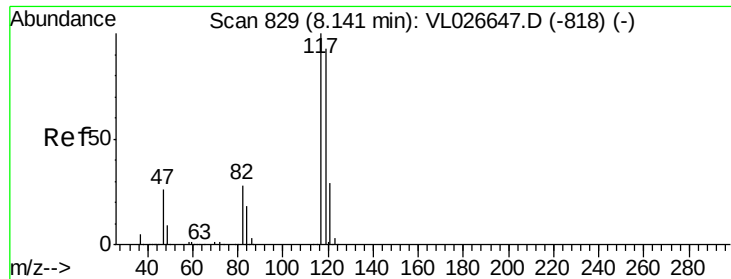
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#34
 2-Butanone
 Concen: 8.07 ppbv
 RT: 6.18 min Scan# 508
 Delta R.T. 0.00 min
 Lab File: VL026655.D
 Acq: 9 Jan 2016 00:15

Tgt Ion: 43 Resp: 1007076
 Ion Ratio Lower Upper
 43 100
 72 27.5 20.9 31.3





#35

Carbon Tetrachloride

Concen: 9.53 ppbv

RT: 8.14 min Scan# 829

Delta R.T. 0.00 min

Lab File: VL026655.D

Acq: 9 Jan 2016 00:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL010816

Tot Ion:117 Resp: 1963072

Ion Ratio Lower Upper

117 100

119 96.3 74.7 112.1

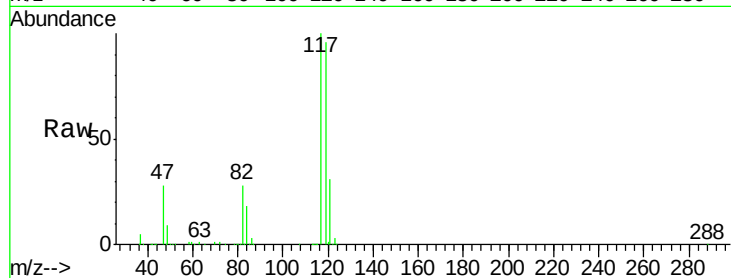
121 30.7 23.1 34.7

Manual Integrations

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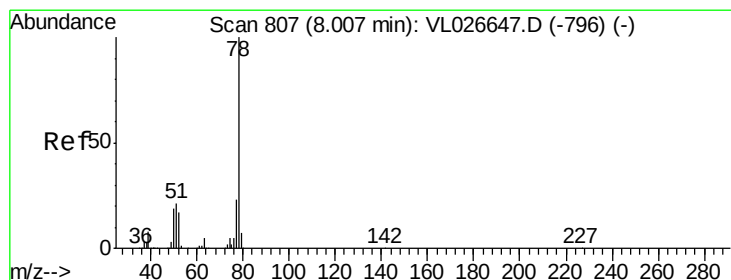
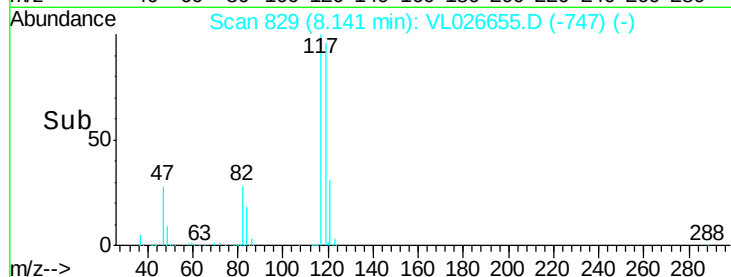
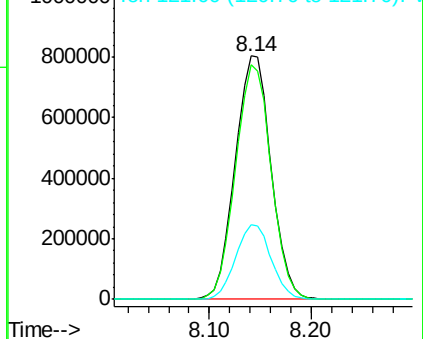
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 8.69 ppbv

RT: 8.01 min Scan# 807

Delta R.T. 0.00 min

Lab File: VL026655.D

Acq: 9 Jan 2016 00:15

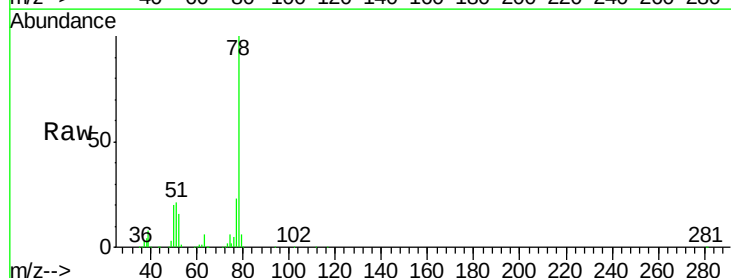
Tgt Ion: 78 Resp: 2093134

Ion Ratio Lower Upper

78 100

77 23.1 18.5 27.7

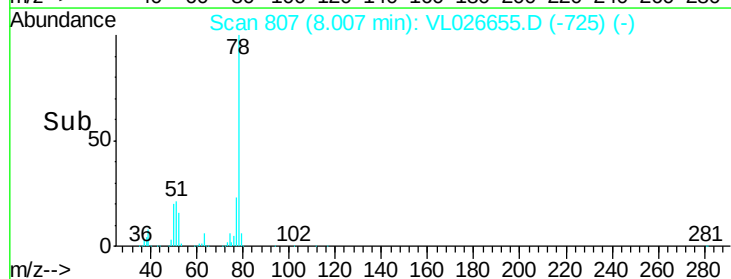
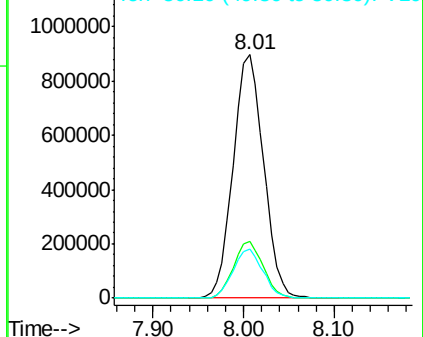
50 20.4 15.4 23.2

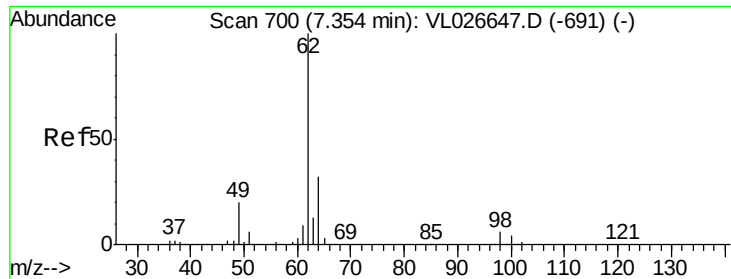


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





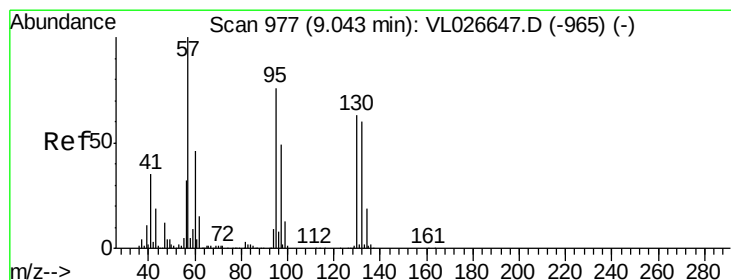
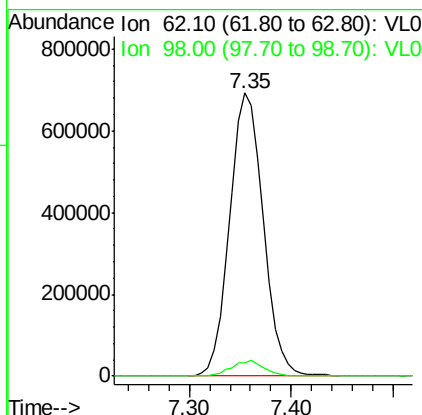
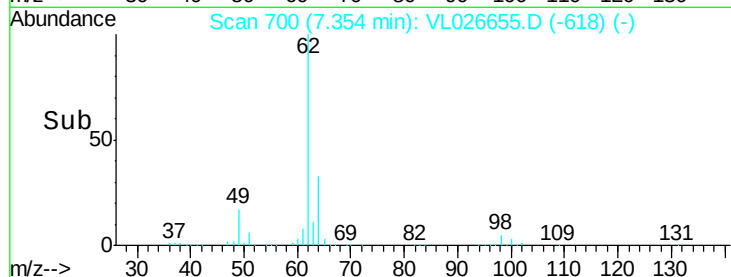
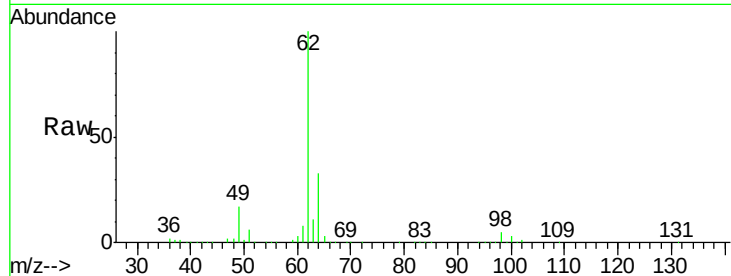
#37
 1,2-Dichloroethane
 Concen: 9.58 ppbv
 RT: 7.35 min Scan# 700
 Delta R.T. 0.00 min
 Lab File: VL026655.D
 Acq: 9 Jan 2016 00:15

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL010816

Tot Ion: 62 Resp: 1577681
 Ion Ratio Lower Upper
 62 100
 98 5.3 4.8 7.2

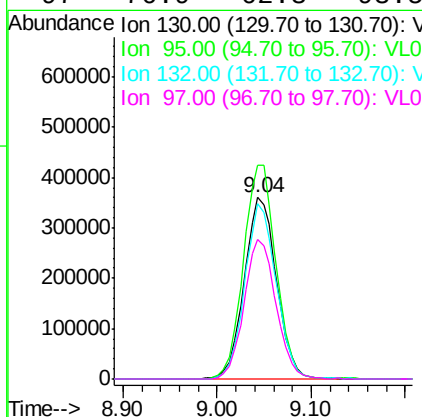
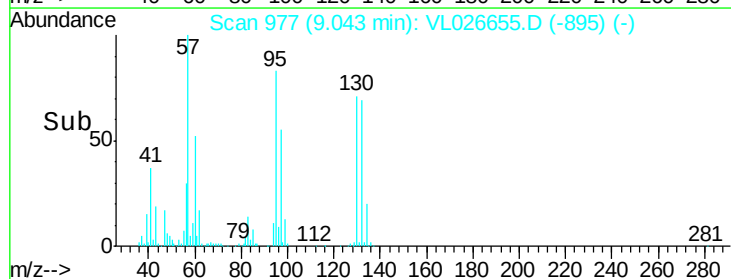
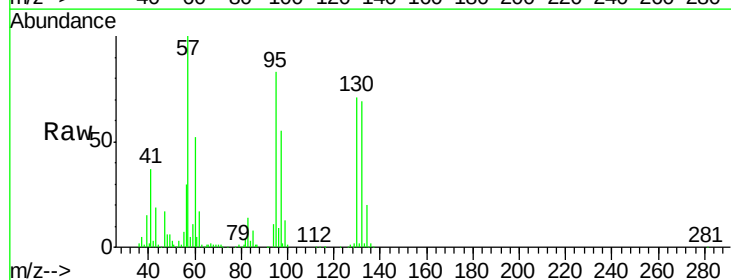
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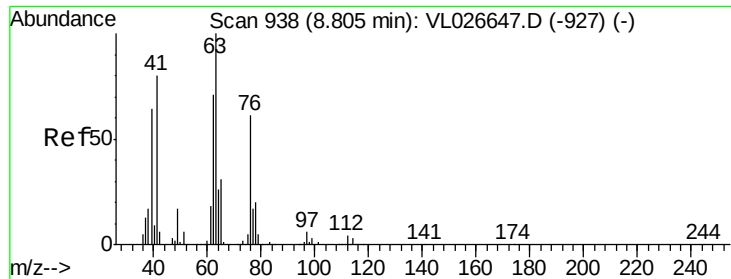
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#38
 Trichloroethene
 Concen: 8.07 ppbv
 RT: 9.04 min Scan# 977
 Delta R.T. 0.00 min
 Lab File: VL026655.D
 Acq: 9 Jan 2016 00:15

Tgt Ion: 130 Resp: 867577
 Ion Ratio Lower Upper
 130 100
 95 117.6 96.6 145.0
 132 96.6 76.2 114.4
 97 76.9 62.3 93.5





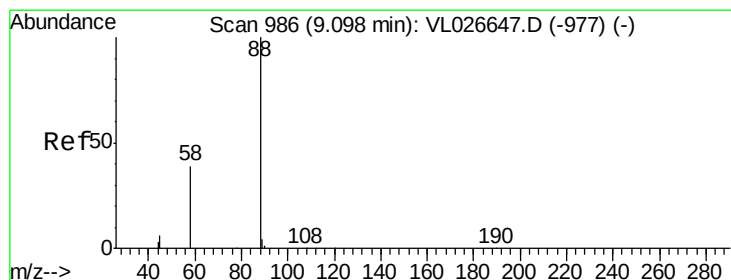
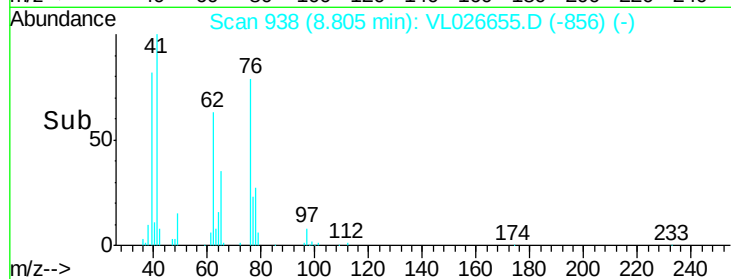
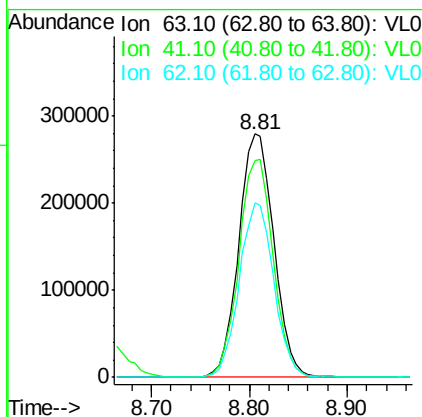
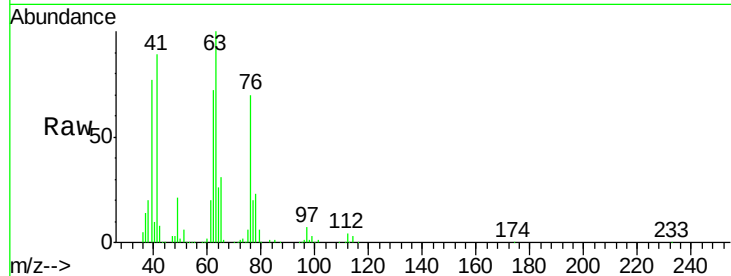
#39
 1,2-Dichloropropane
 Concen: 8.37 ppbv
 RT: 8.81 min Scan# 938
 Delta R.T. 0.00 min
 Lab File: VL026655.D
 Acq: 9 Jan 2016 00:15

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL010816

Tot Ion	Ratio	Lower	Upper
63	100		
41	88.7	64.1	96.1
62	71.9	56.6	84.8

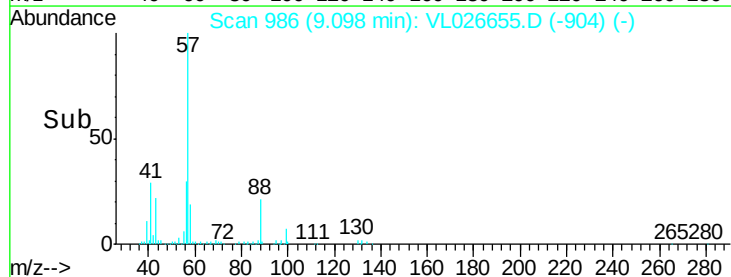
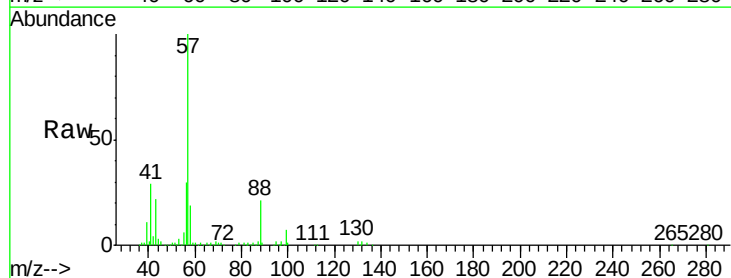
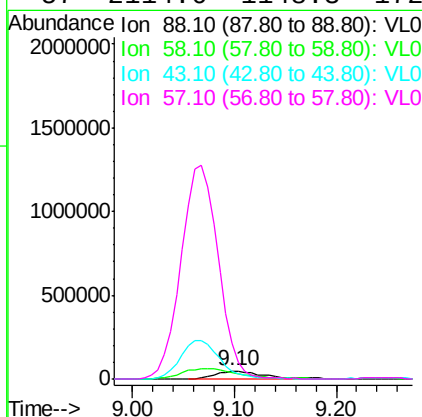
Manual Integrations
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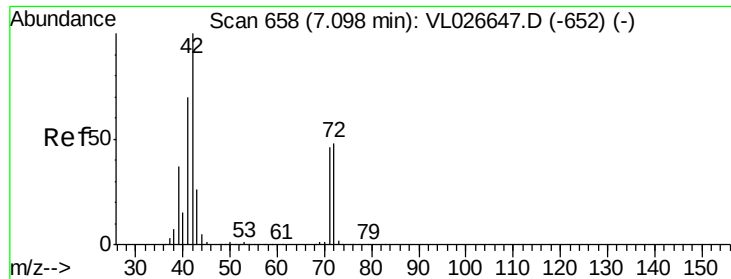
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#40
 1,4-Dioxane
 Concen: 8.06 ppbv
 RT: 9.10 min Scan# 986
 Delta R.T. 0.00 min
 Lab File: VL026655.D
 Acq: 9 Jan 2016 00:15

Tgt Ion	Ratio	Lower	Upper
88	100		
58	164.1	109.4	164.2
43	410.0	238.2	357.2#
57	2114.6	1148.3	1722.5#





#41

Tetrahydrofuran

Concen: 8.23 ppbv

RT: 7.10 min Scan# 659

Delta R.T. 0.01 min

Lab File: VL026655.D

Acq: 9 Jan 2016 00:15

Instrument :

MSVOA_L

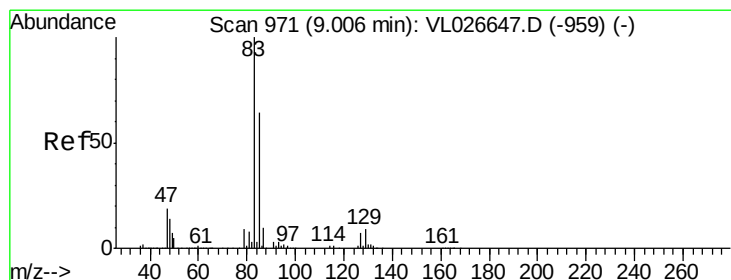
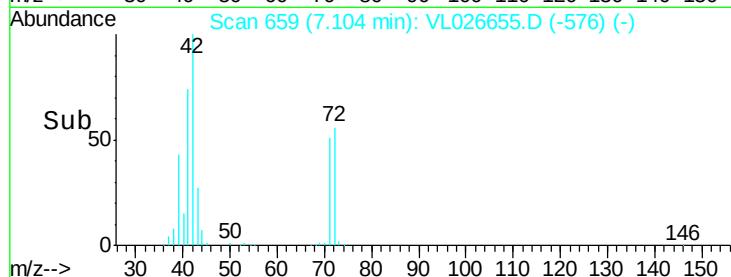
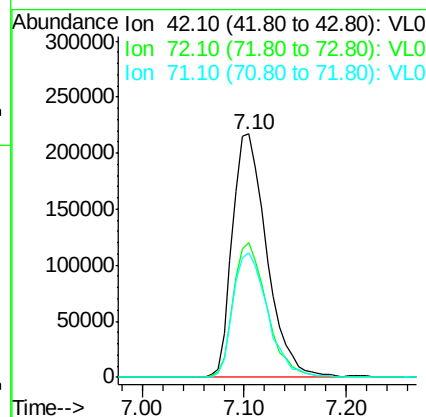
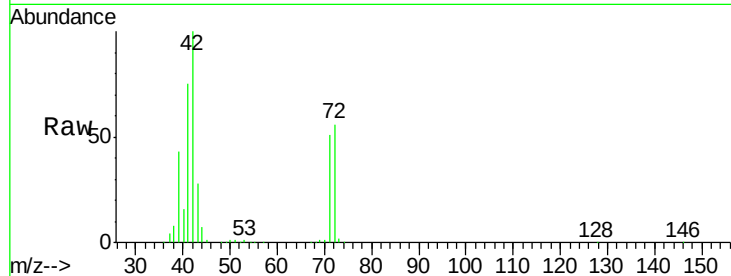
ClientSampleId :

ICVVL010816

Tot Ion:	42	Resp:	508726
Ion Ratio	Lower	Upper	
42	100		
72	54.2	40.6	60.8
71	51.5	38.4	57.6

Manual Integrations
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#42

Bromodichloromethane

Concen: 9.58 ppbv

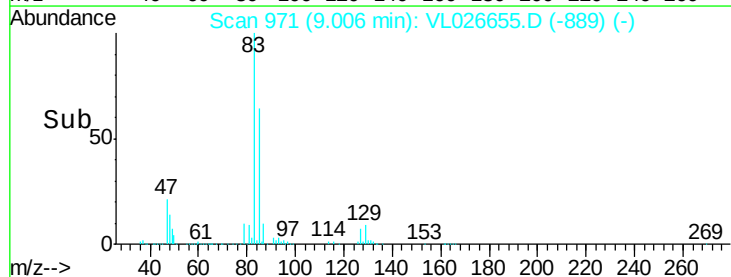
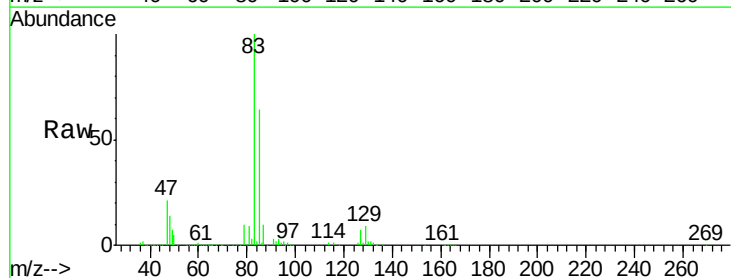
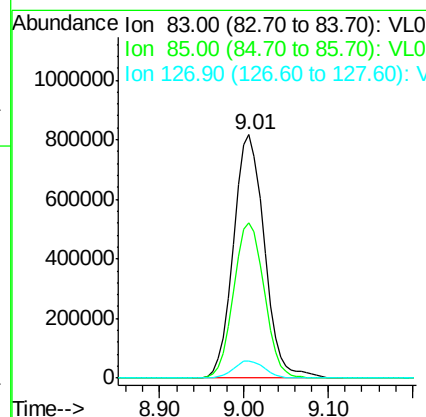
RT: 9.01 min Scan# 971

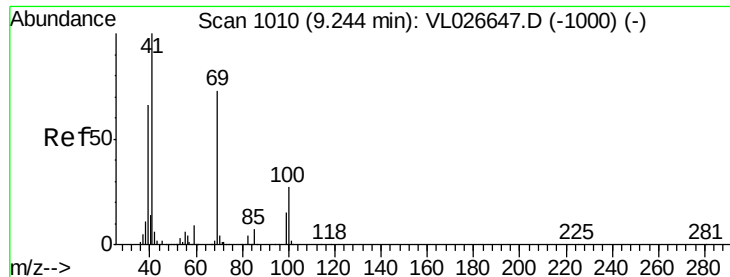
Delta R.T. 0.00 min

Lab File: VL026655.D

Acq: 9 Jan 2016 00:15

Tgt Ion:	83	Resp:	2039193
Ion Ratio	Lower	Upper	
83	100		
85	63.9	50.9	76.3
127	7.2	5.5	8.3





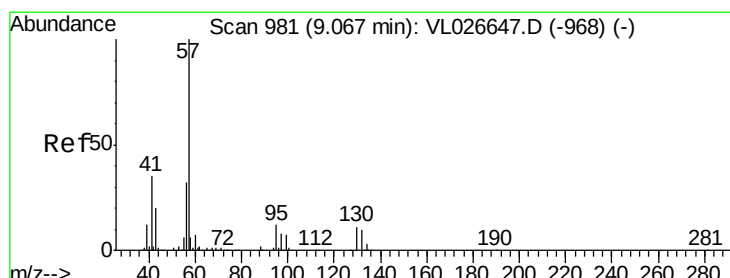
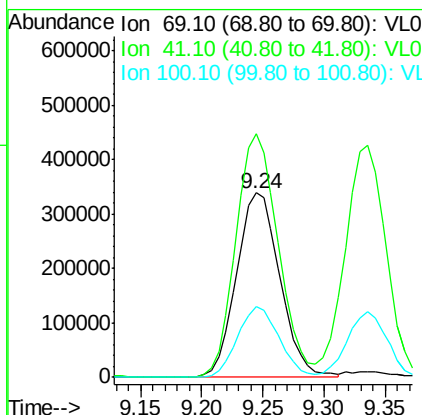
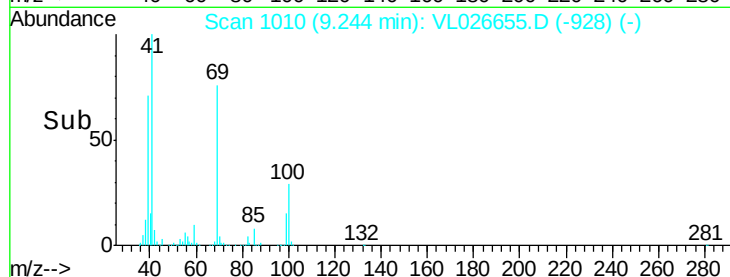
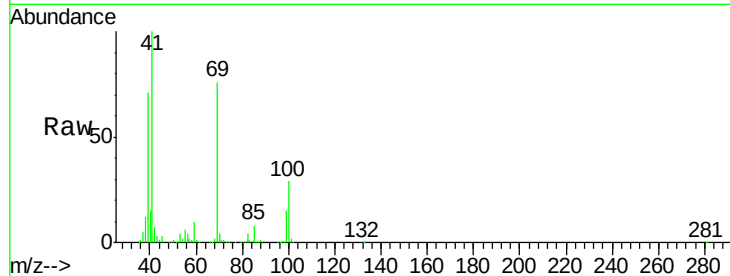
#43
Methyl Methacrylate
Concen: 9.50 ppbv
RT: 9.24 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VL026655.D
Acq: 9 Jan 2016 00:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL010816

Tot Ion	Ion	Ratio	Resp	Lower	Upper
69	100		835350		
41	128.5	106.1	159.1		
100	37.1	29.0	43.4		

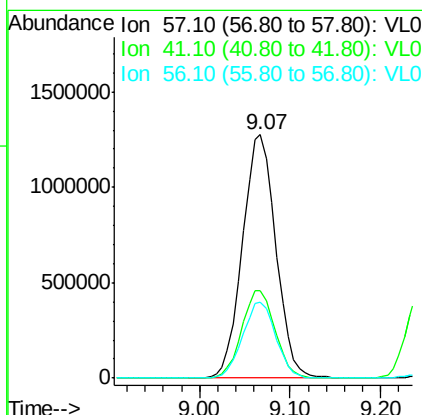
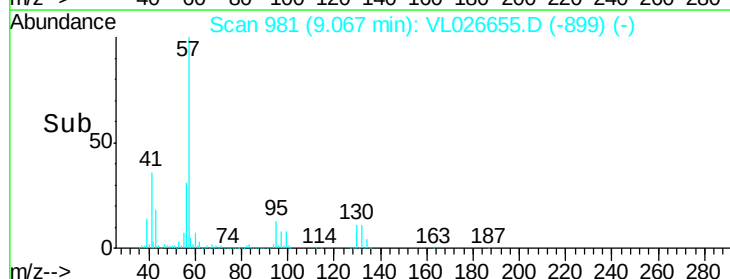
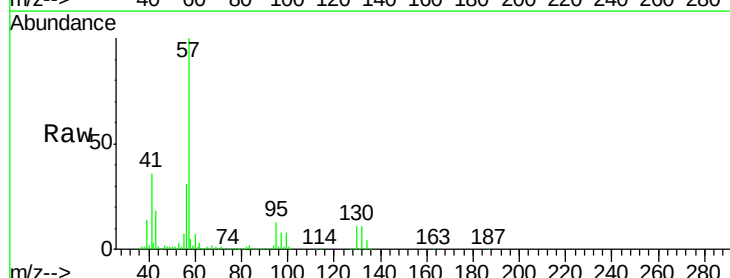
Manual Integrations
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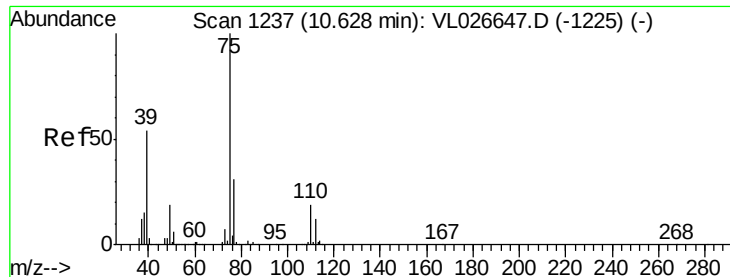
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#44
2,2,4-Trimethylpentane
Concen: 8.37 ppbv
RT: 9.07 min Scan# 981
Delta R.T. 0.00 min
Lab File: VL026655.D
Acq: 9 Jan 2016 00:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
57	100		3254954		
41	35.8	26.9	40.3		
56	31.0	25.4	38.0		





#45

t-1,3-Dichloropropene

Concen: 10.18 ppbv

RT: 10.63 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VL026655.D

Acq: 9 Jan 2016 00:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL010816

Tot Ion: 75 Resp: 1450880

Ion Ratio Lower Upper

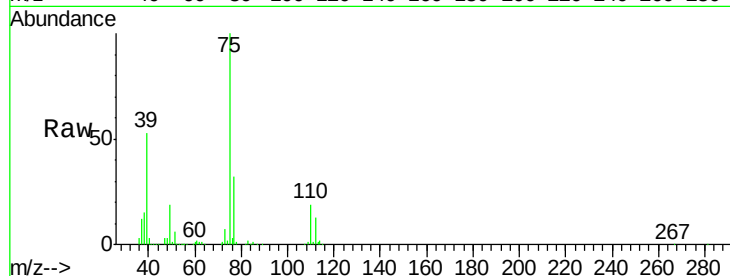
75 100

77 32.4 24.6 37.0

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Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

10.63

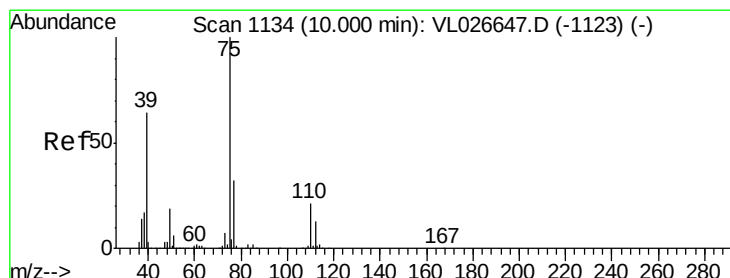
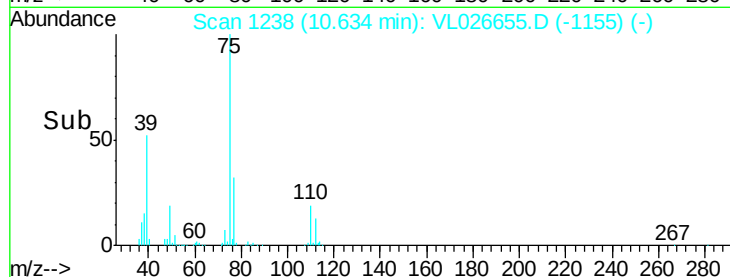
600000

400000

200000

0

Time-->



#46

cis-1,3-Dichloropropene

Concen: 9.81 ppbv

RT: 10.00 min Scan# 1134

Delta R.T. 0.00 min

Lab File: VL026655.D

Acq: 9 Jan 2016 00:15

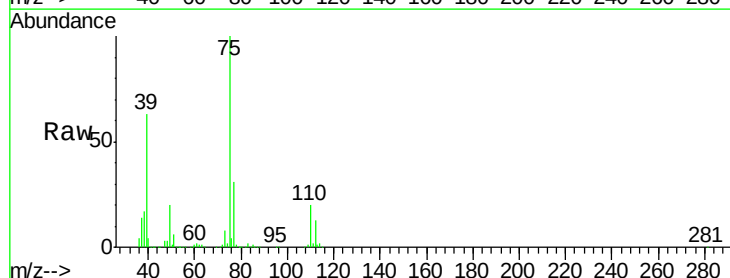
Tgt Ion: 75 Resp: 1588743

Ion Ratio Lower Upper

75 100

39 63.3 51.2 76.8

77 30.7 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

800000

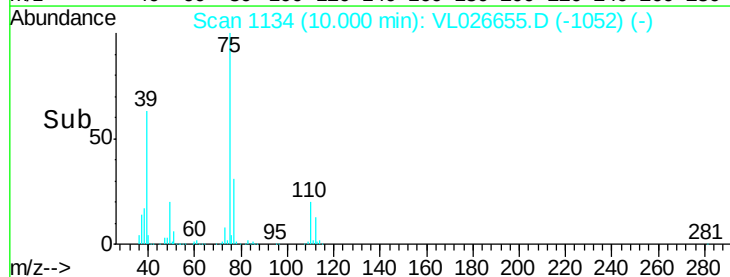
600000

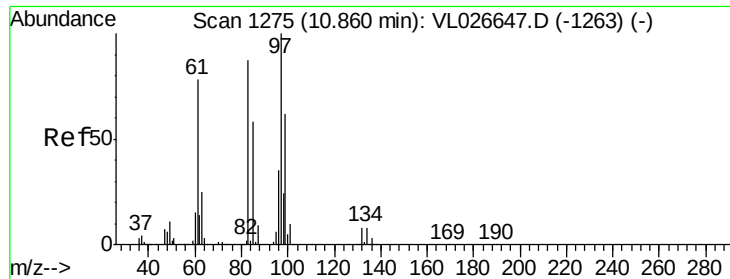
400000

200000

0

Time-->





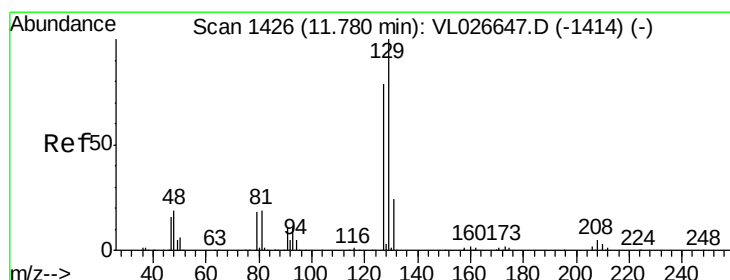
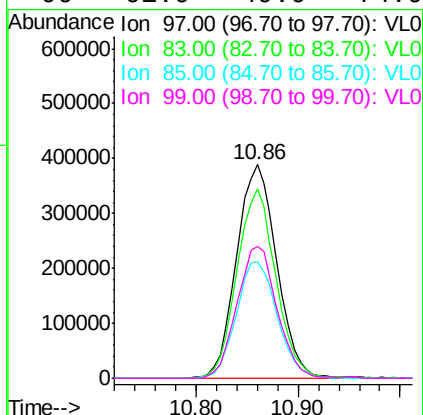
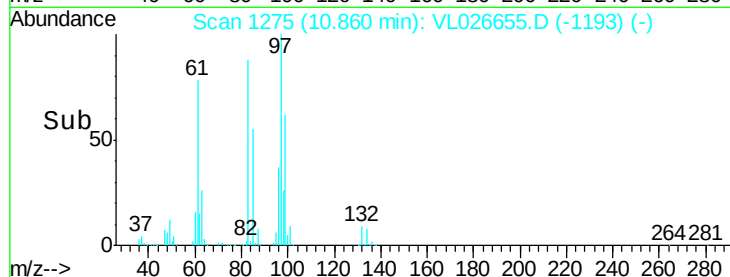
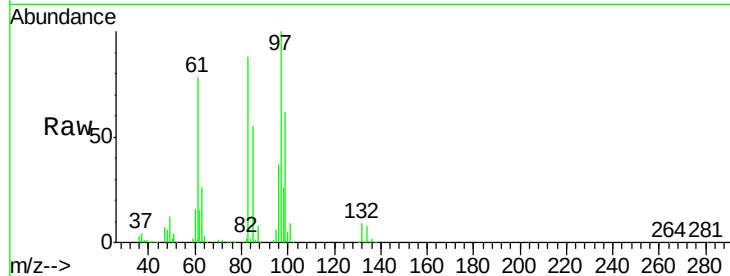
#47
 1,1,2-Trichloroethane
 Concen: 8.92 ppbv
 RT: 10.86 min Scan# 1275
 Delta R.T. 0.00 min
 Lab File: VL026655.D
 Acq: 9 Jan 2016 00:15

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL010816

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	88.5	69.5	104.3	
85	54.4	46.4	69.6	
99	61.9	49.9	74.9	

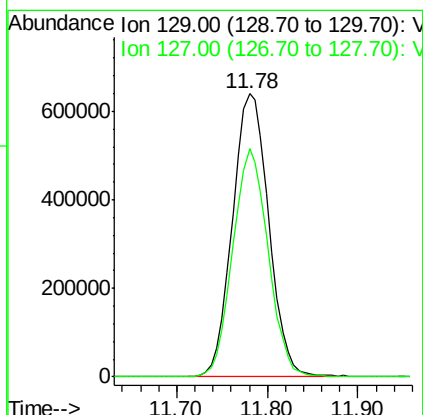
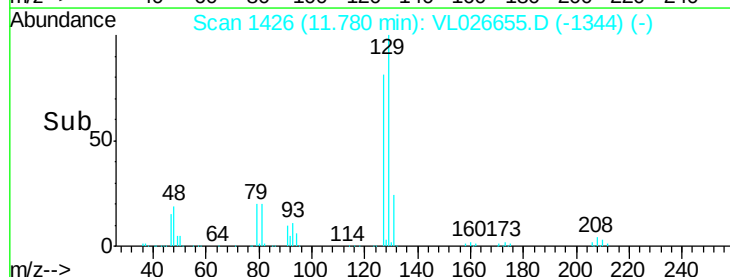
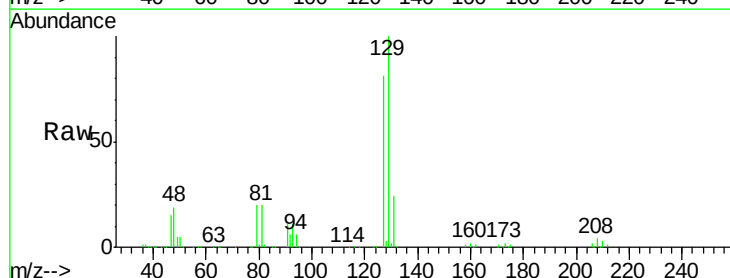
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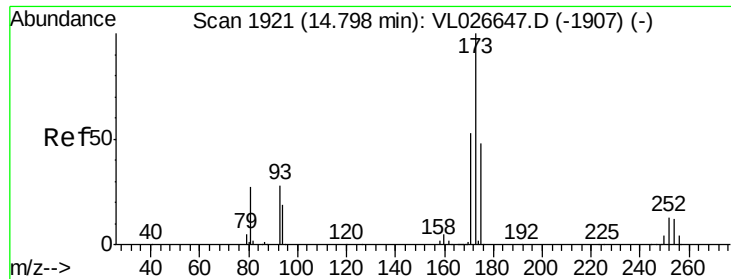
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#48
 Dibromochloromethane
 Concen: 9.97 ppbv
 RT: 11.78 min Scan# 1426
 Delta R.T. 0.00 min
 Lab File: VL026655.D
 Acq: 9 Jan 2016 00:15

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	79.0	39.5	118.5	





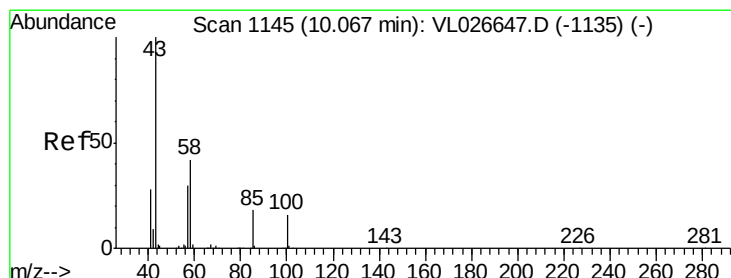
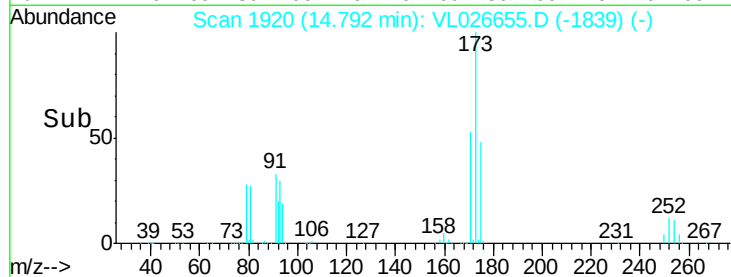
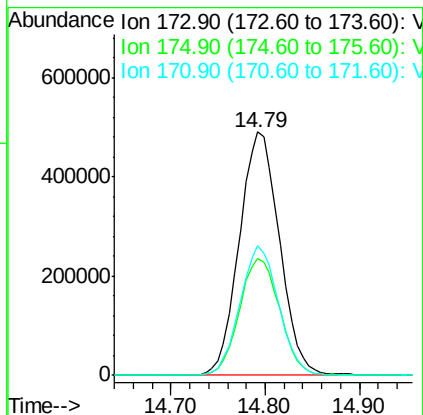
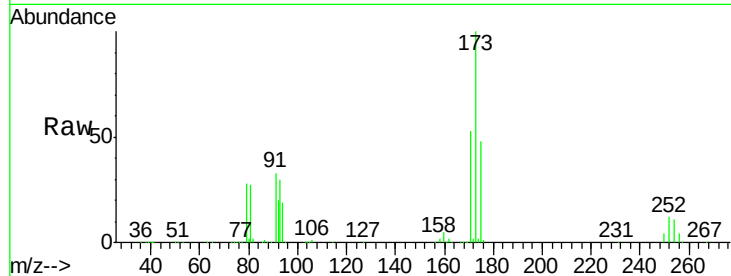
#49
Bromoform
Concen: 10.08 ppbv
RT: 14.79 min Scan# 1920
Delta R.T. -0.01 min
Lab File: VL026655.D
Acq: 9 Jan 2016 00:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL010816

Tot Ion:173 Resp: 1464451
Ion Ratio Lower Upper
173 100
175 48.6 38.6 58.0
171 51.7 41.5 62.3

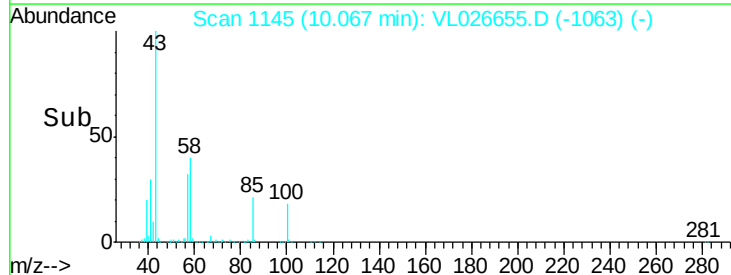
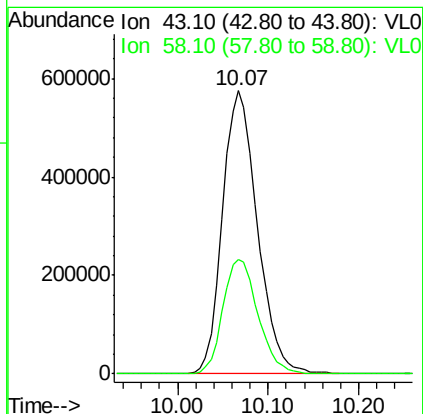
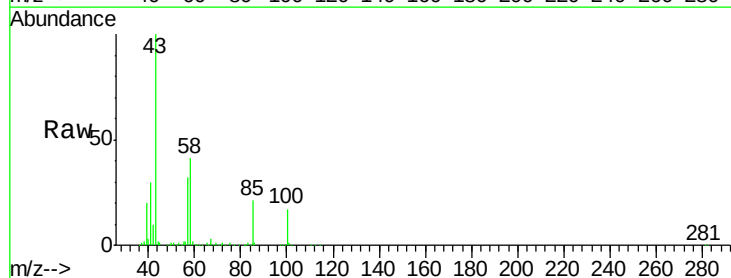
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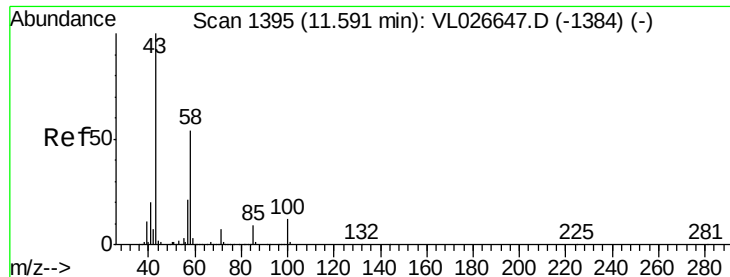
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#50
4-Methyl-2-Pentanone
Concen: 8.72 ppbv
RT: 10.07 min Scan# 1145
Delta R.T. 0.00 min
Lab File: VL026655.D
Acq: 9 Jan 2016 00:15

Tgt Ion: 43 Resp: 1528962
Ion Ratio Lower Upper
43 100
58 41.4 32.4 48.6





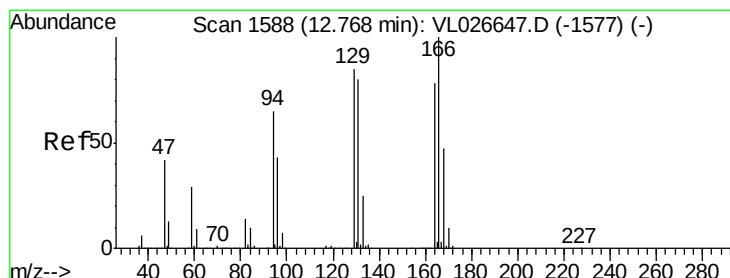
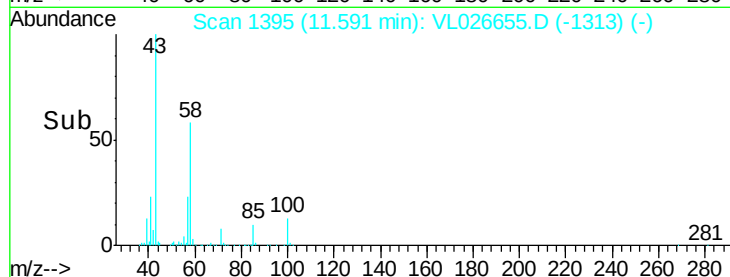
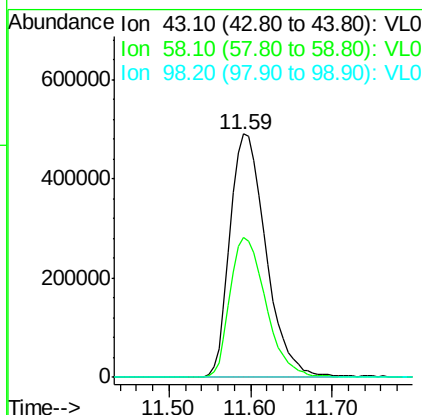
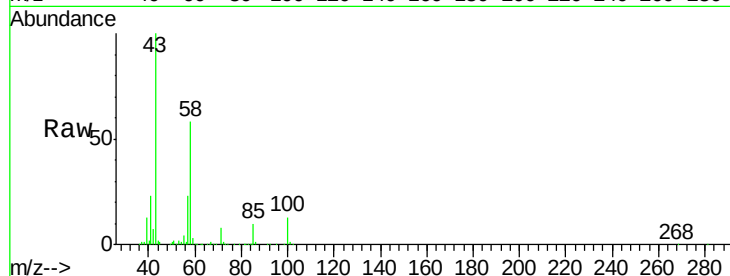
#51
2-Hexanone
Concen: 9.31 ppbv
RT: 11.59 min Scan# 1395
Delta R.T. 0.00 min
Lab File: VL026655.D
Acq: 9 Jan 2016 00:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL010816

Tot Ion: 43 Resp: 1503777
Ion Ratio Lower Upper
43 100
58 57.6 44.9 67.3
98 0.5 0.2 0.2#

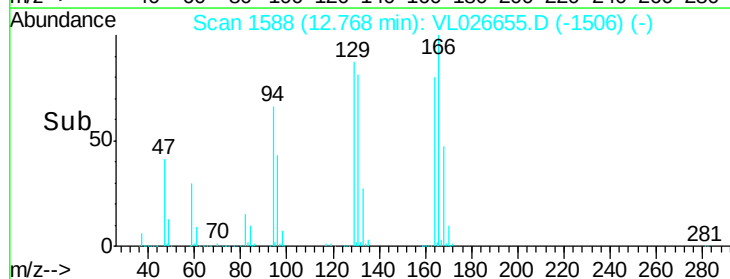
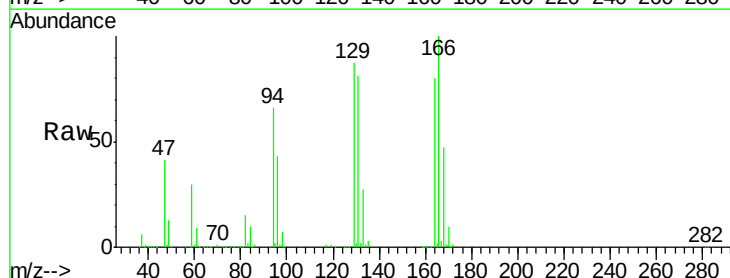
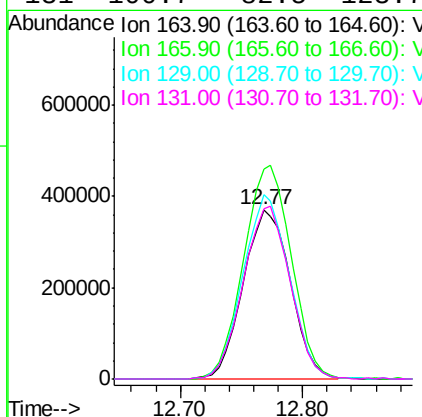
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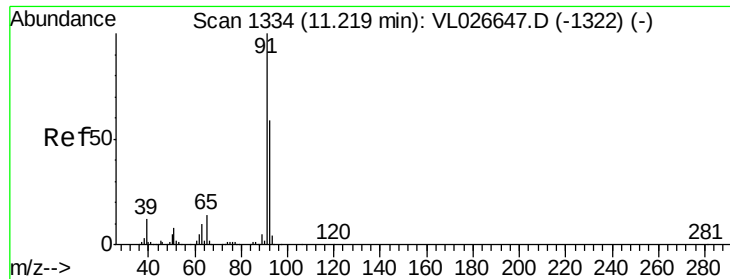
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#52
Tetrachloroethene
Concen: 8.28 ppbv
RT: 12.77 min Scan# 1588
Delta R.T. 0.00 min
Lab File: VL026655.D
Acq: 9 Jan 2016 00:15

Tgt Ion: 164 Resp: 997628
Ion Ratio Lower Upper
164 100
166 124.3 102.5 153.7
129 108.8 87.0 130.6
131 100.7 82.5 123.7





#53

Toluene

Concen: 9.34 ppbv

RT: 11.21 min Scan# 1333

Delta R.T. -0.01 min

Lab File: VL026655.D

Acq: 9 Jan 2016 00:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL010816

Tot Ion: 91 Resp: 3170046

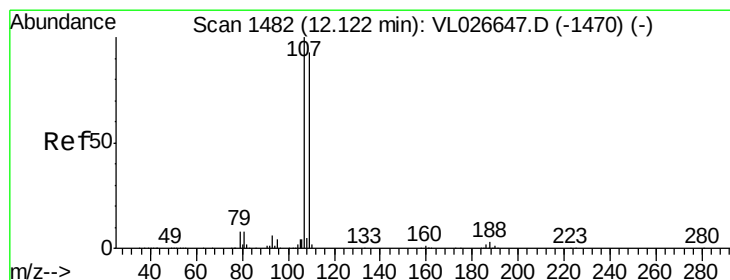
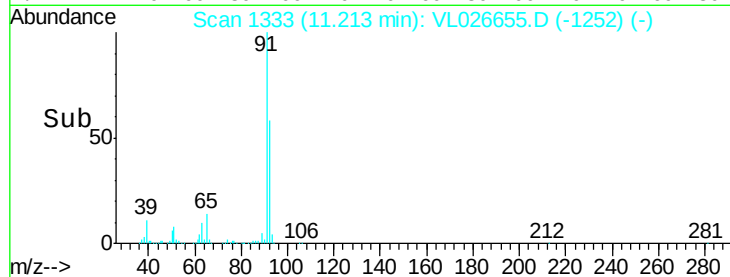
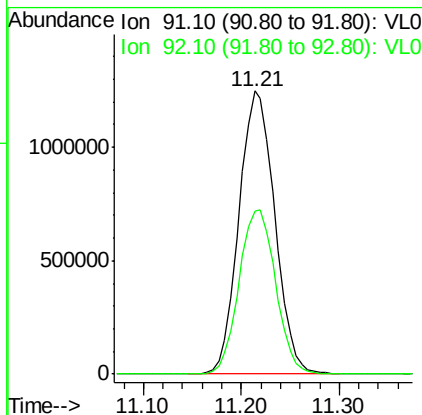
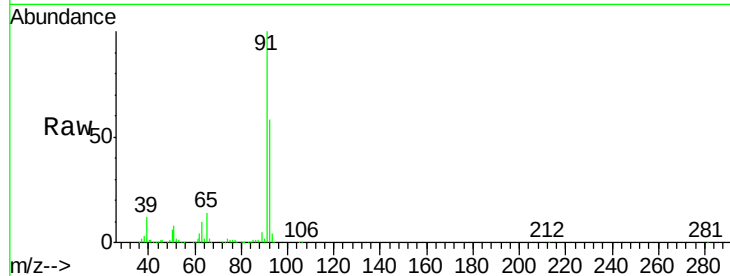
Ion Ratio Lower Upper

91 100

92 59.6 48.2 72.4

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#54

1,2-Dibromoethane

Concen: 9.17 ppbv

RT: 12.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VL026655.D

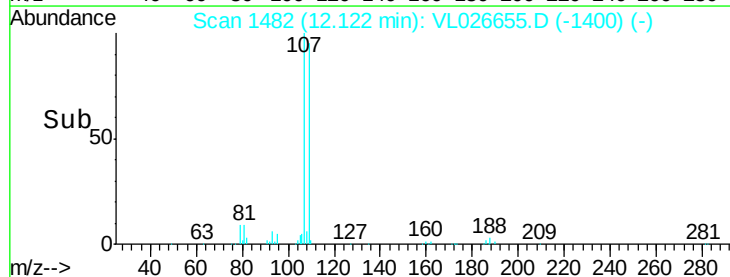
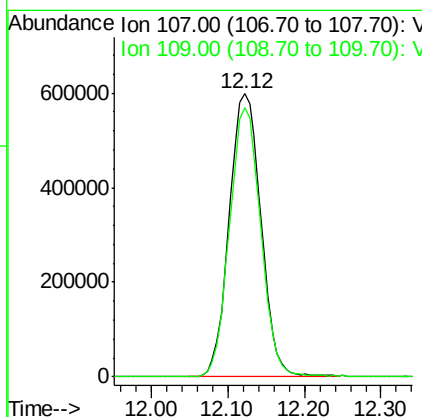
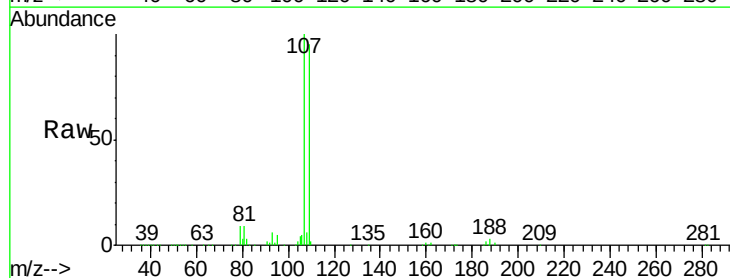
Acq: 9 Jan 2016 00:15

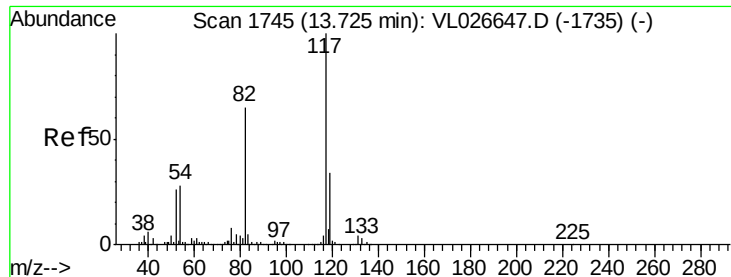
Tgt Ion: 107 Resp: 1722829

Ion Ratio Lower Upper

107 100

109 95.0 74.1 111.1





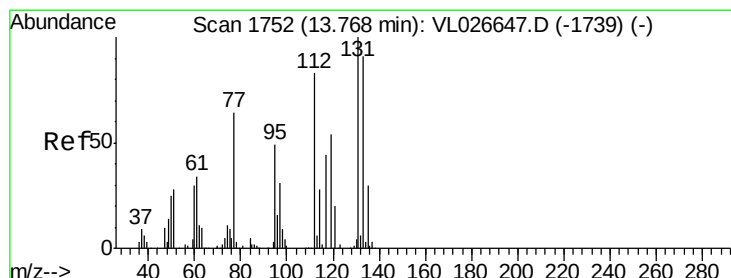
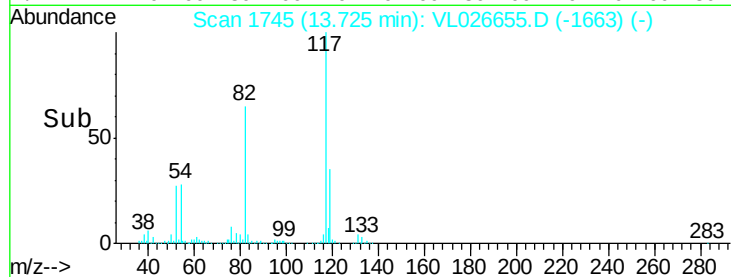
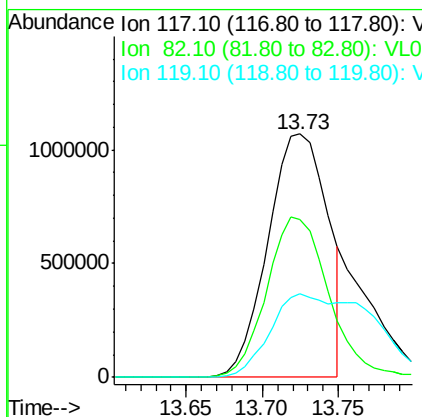
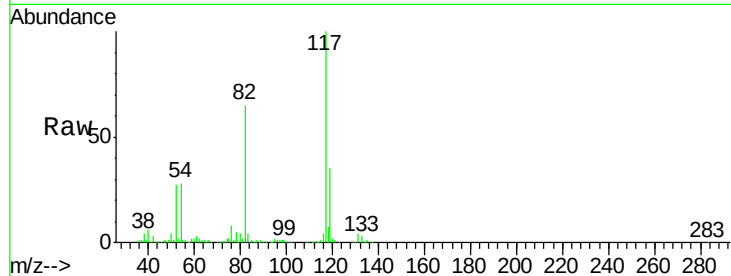
#55
Chlorobenzene-d5
Concen: 10.00 ppbv m
RT: 13.73 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VL026655.D
Acq: 9 Jan 2016 00:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL010816

Tot Ion:117 Resp: 2945222
Ion Ratio Lower Upper
117 100
82 69.2 49.7 74.5
119 59.7 43.8 65.8

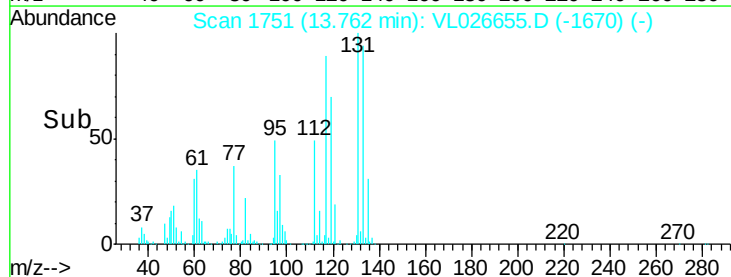
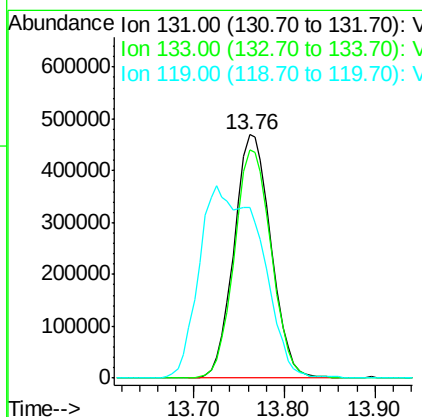
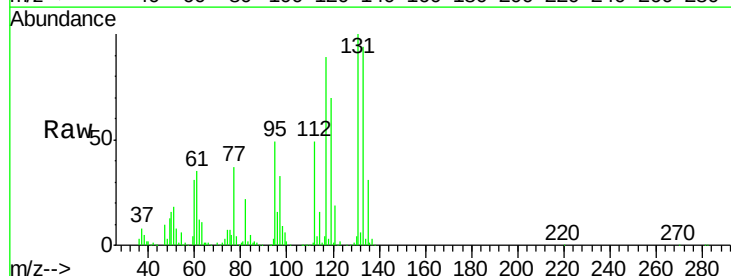
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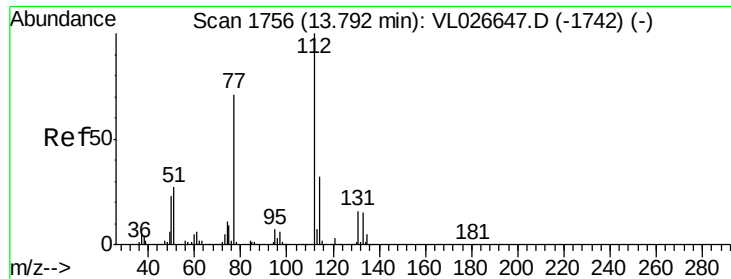
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.80 ppbv
RT: 13.76 min Scan# 1751
Delta R.T. -0.01 min
Lab File: VL026655.D
Acq: 9 Jan 2016 00:15

Tgt Ion:131 Resp: 1328260
Ion Ratio Lower Upper
131 100
133 94.0 76.2 114.4
119 132.4 104.3 156.5





#57

Chlorobenzene

Concen: 8.83 ppbv

RT: 13.79 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VL026655.D

Acq: 9 Jan 2016 00:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL010816

Tot Ion:112 Resp: 2679108

Ion Ratio Lower Upper

112 100

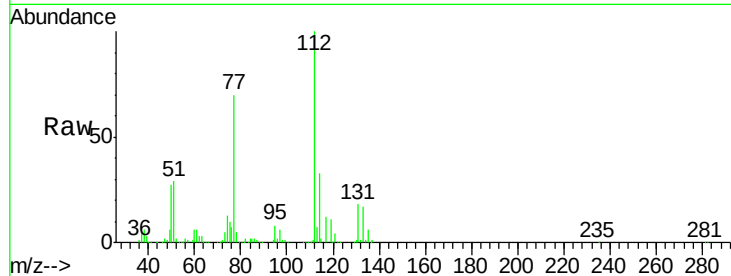
77 70.3 56.9 85.3

114 32.7 28.8 35.2

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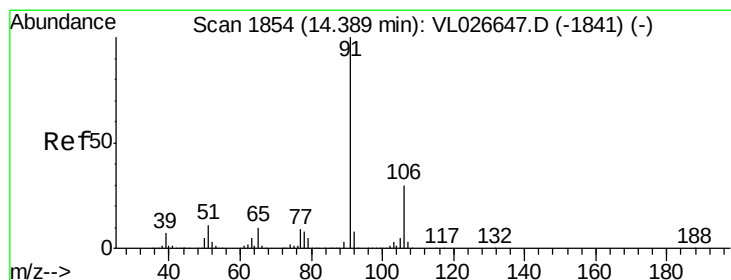
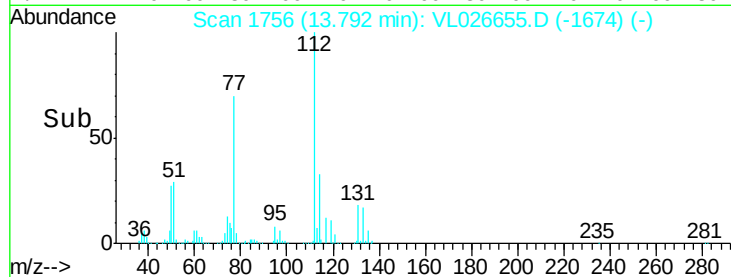
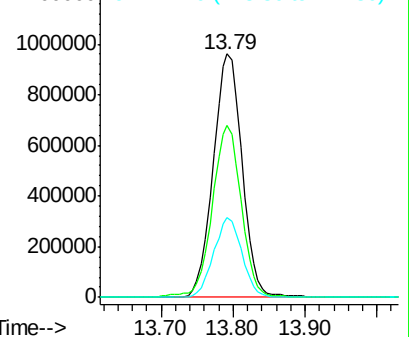
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 9.77 ppbv

RT: 14.39 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VL026655.D

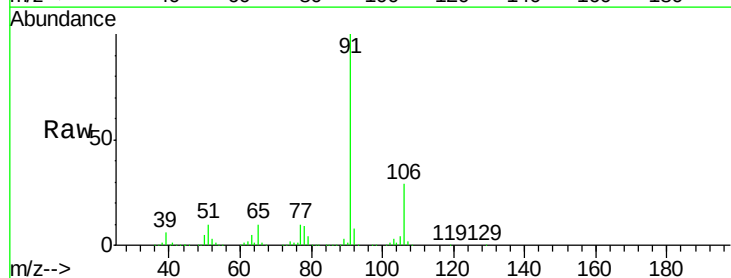
Acq: 9 Jan 2016 00:15

Tgt Ion: 91 Resp: 5137747

Ion Ratio Lower Upper

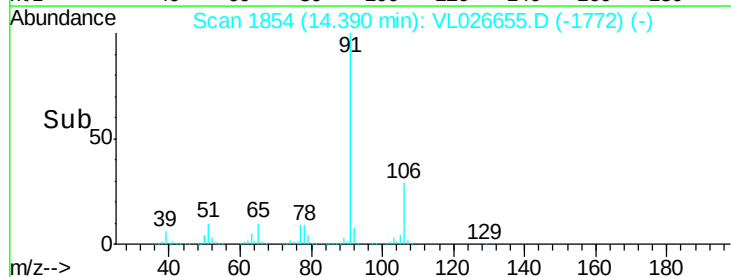
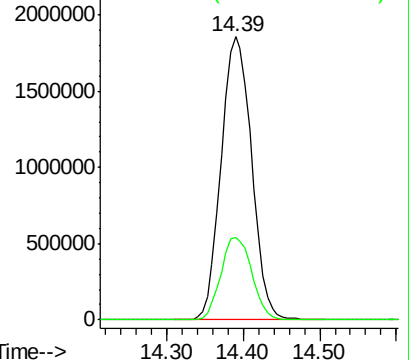
91 100

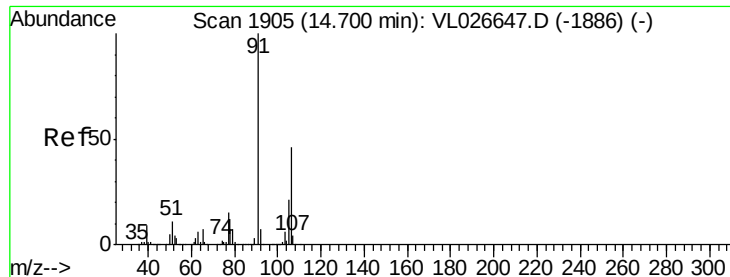
106 29.3 23.8 35.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





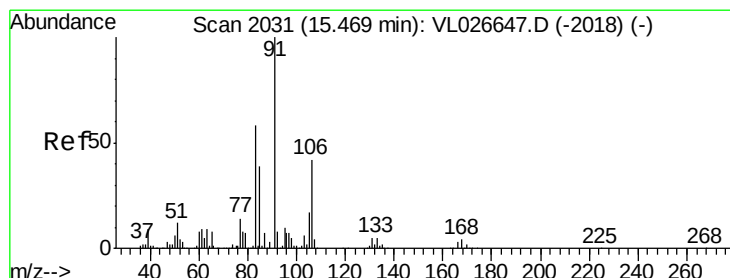
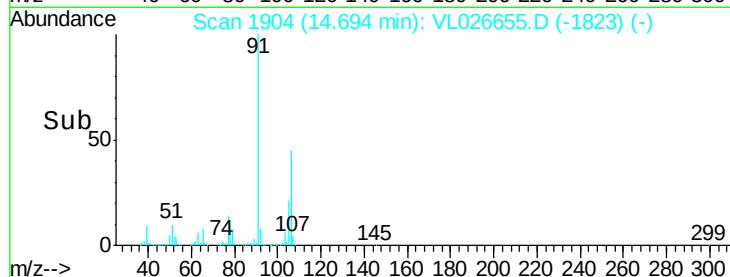
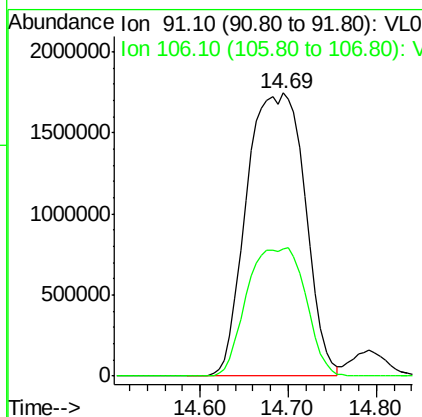
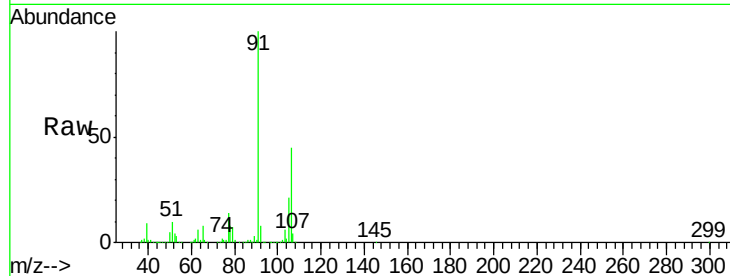
#59
m/p-Xylene
Concen: 18.51 ppbv m
RT: 14.69 min Scan# 1904
Delta R.T. -0.01 min
Lab File: VL026655.D
Acq: 9 Jan 2016 00:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL010816

Tot Ion: 91 Resp: 8025880
Ion Ratio Lower Upper
91 100
106 45.8 36.6 55.0

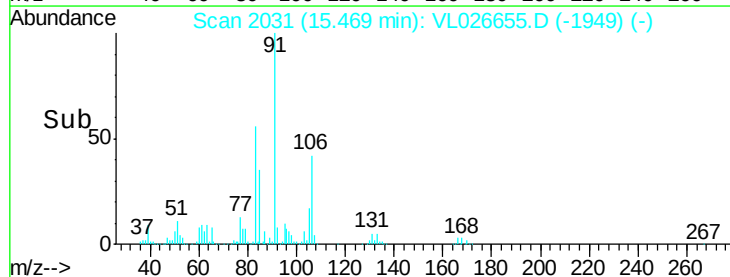
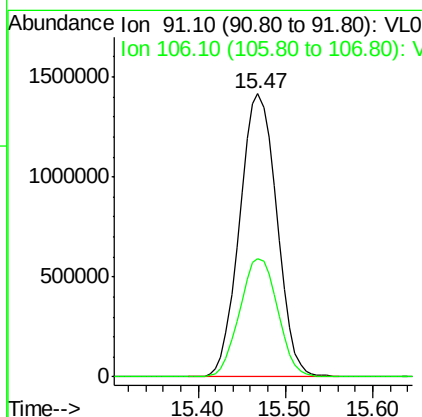
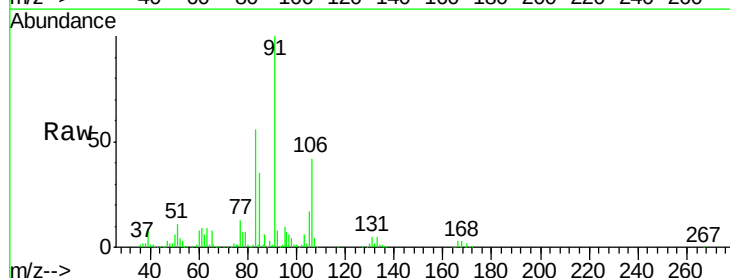
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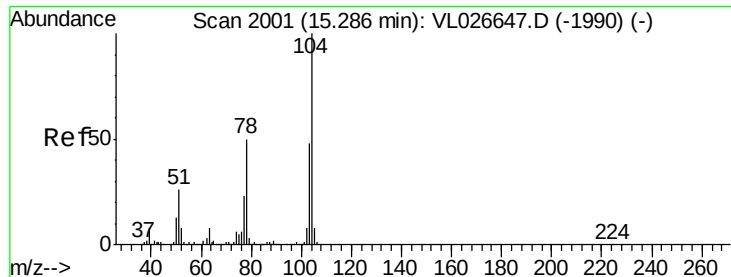
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#60
o-Xylene
Concen: 8.94 ppbv
RT: 15.47 min Scan# 2031
Delta R.T. 0.00 min
Lab File: VL026655.D
Acq: 9 Jan 2016 00:15

Tgt Ion: 91 Resp: 4188227
Ion Ratio Lower Upper
91 100
106 42.9 21.5 64.5





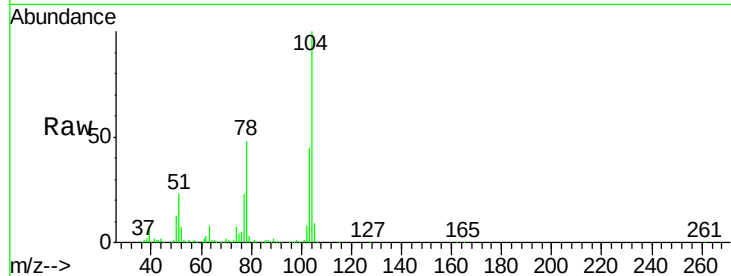
#61
Stvrene
Concen: 10.62 ppbv
RT: 15.29 min Scan# 2001
Delta R.T. 0.00 min
Lab File: VL026655.D
Acq: 9 Jan 2016 00:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL010816

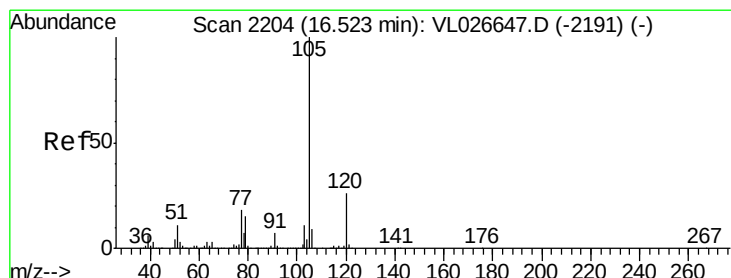
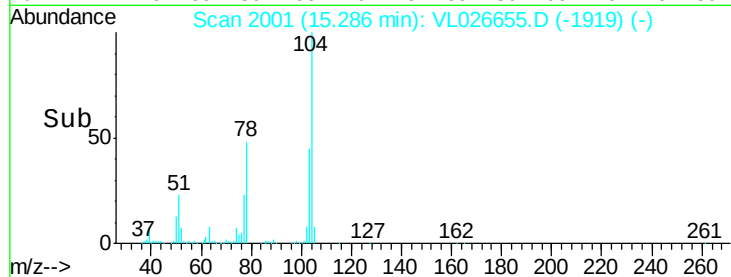
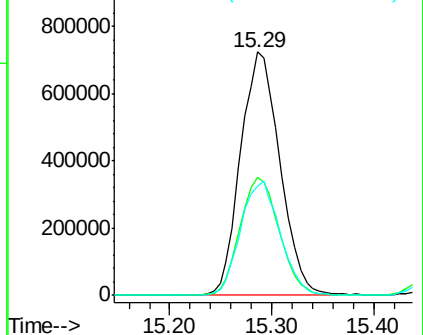
Tot Ion	Ratio	Lower	Upper
104	100		
78	48.4	39.6	59.4
103	47.3	37.8	56.6

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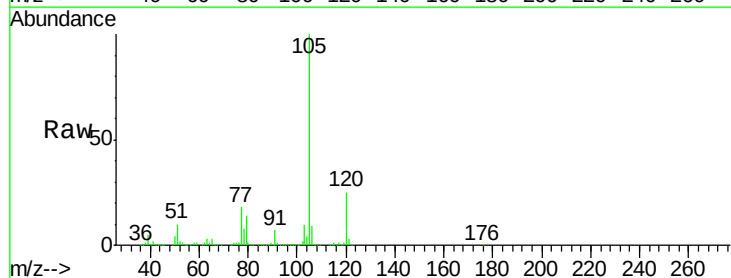


Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VL0
Ion 103.10 (102.80 to 103.80): V

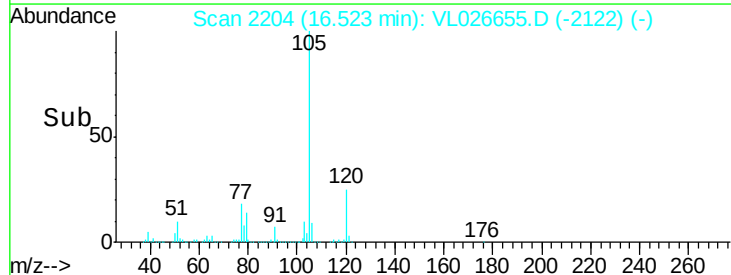
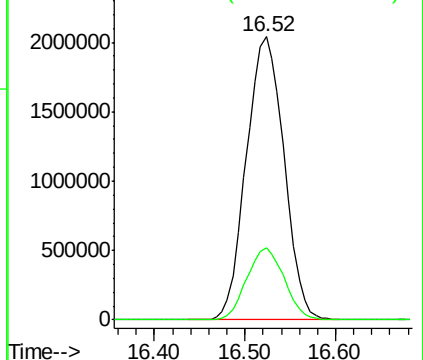


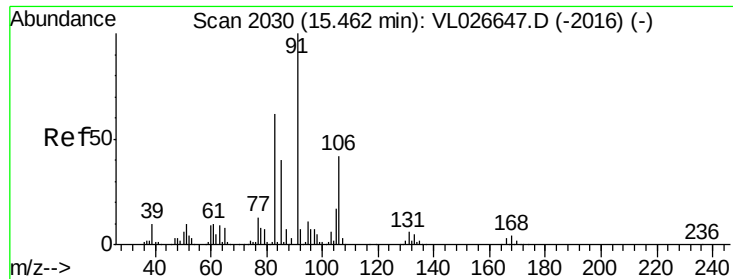
#62
Isopropylbenzene
Concen: 9.48 ppbv
RT: 16.52 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VL026655.D
Acq: 9 Jan 2016 00:15

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





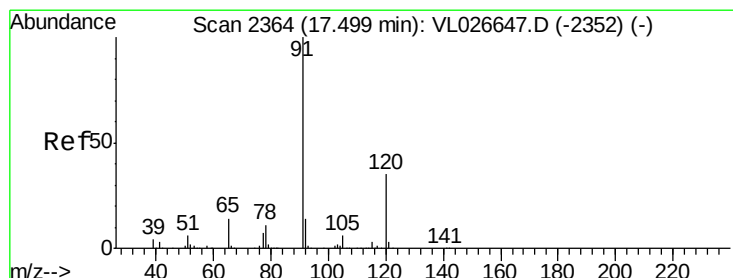
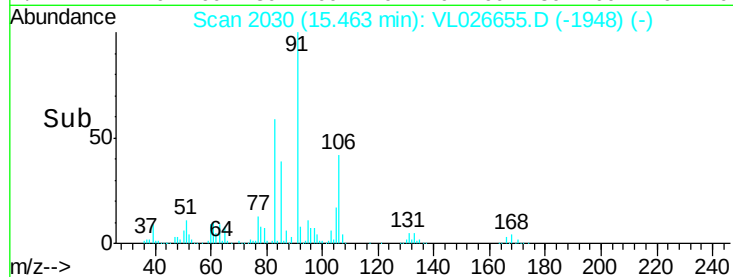
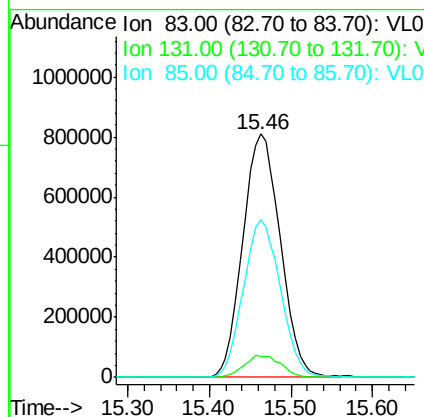
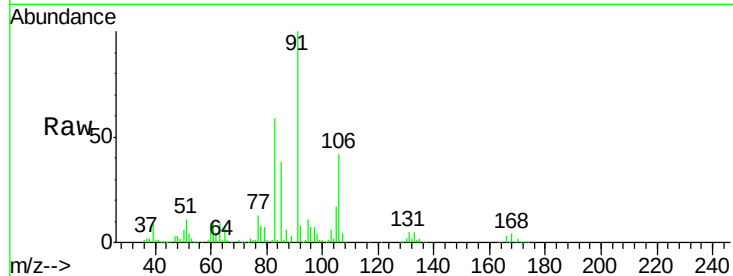
#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.42 ppbv
 RT: 15.46 min Scan# 2030
 Delta R.T. 0.00 min
 Lab File: VL026655.D
 Acq: 9 Jan 2016 00:15

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL010816

Tot Ion	83	Resp	2591737
Ion Ratio	100	Lower	Upper
83	100		
131	9.0	4.5	13.4
85	64.4	32.6	97.7

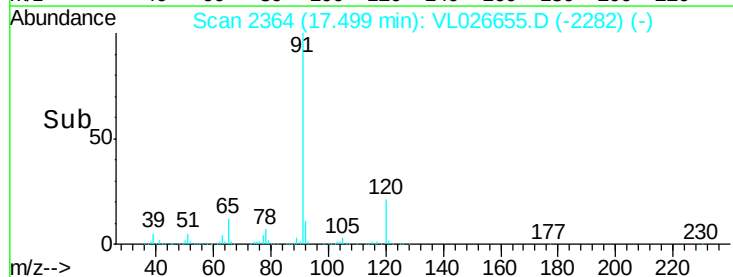
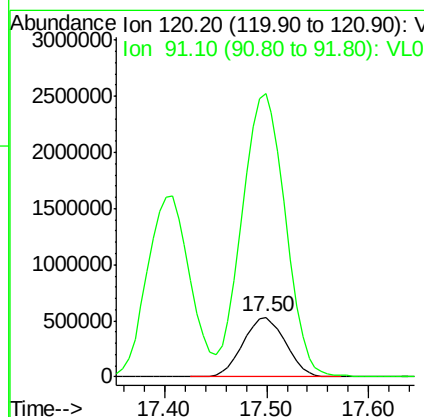
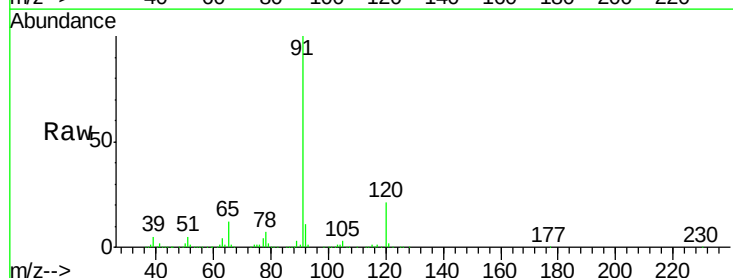
Manual Integrations
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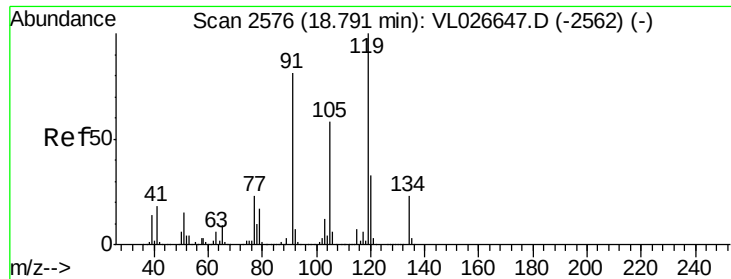
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#64
 n-propylbenzene
 Concen: 9.33 ppbv
 RT: 17.50 min Scan# 2364
 Delta R.T. 0.00 min
 Lab File: VL026655.D
 Acq: 9 Jan 2016 00:15

Tgt Ion	120	Resp	1552848
Ion Ratio	100	Lower	Upper
120	100		
91	474.7	375.8	563.6





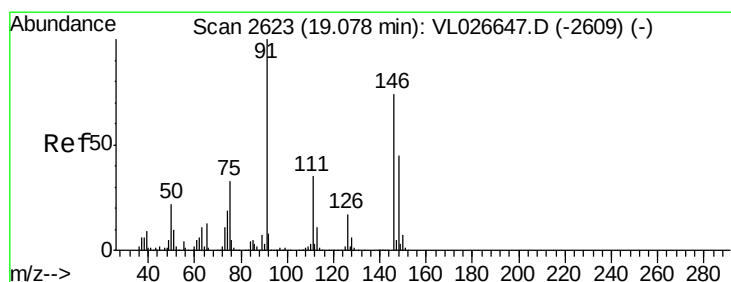
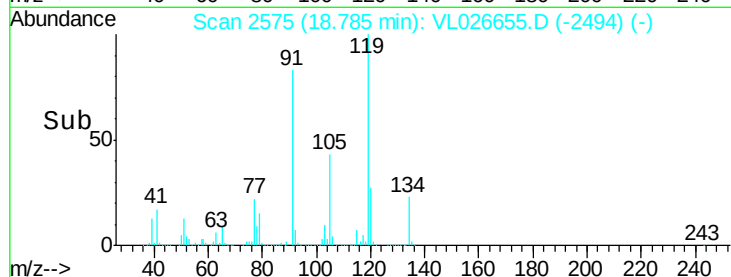
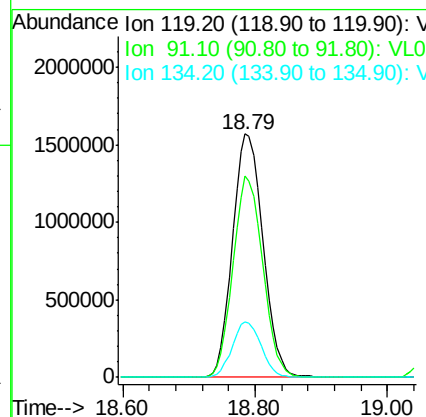
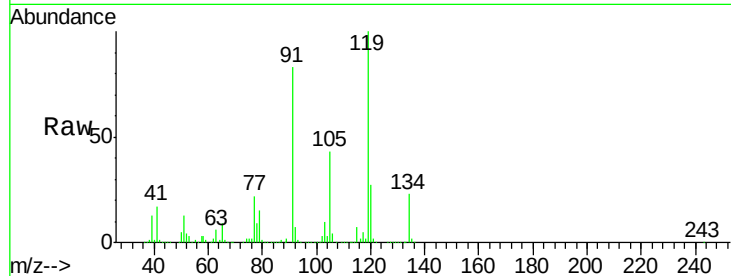
#65
 tert-Butylbenzene
 Concen: 8.84 ppbv
 RT: 18.79 min Scan# 2575
 Delta R.T. -0.01 min
 Lab File: VL026655.D
 Acq: 9 Jan 2016 00:15

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL010816

Tot Ion: 119 Resp: 5026958
 Ion Ratio Lower Upper
 119 100
 91 80.6 64.8 97.2
 134 21.8 17.4 26.0

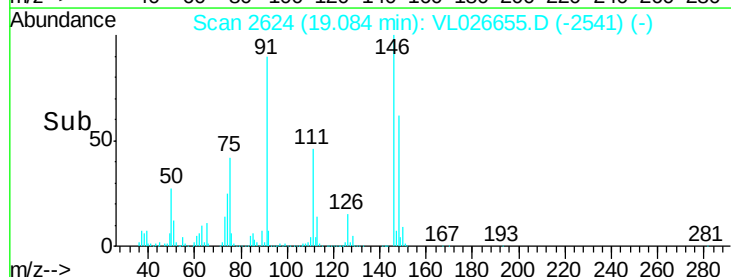
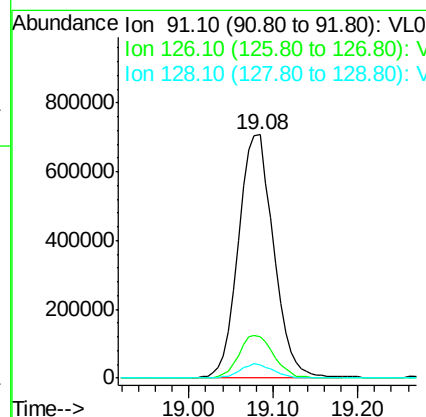
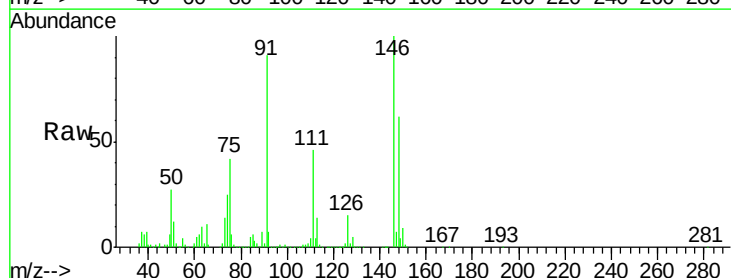
Manual Integrations
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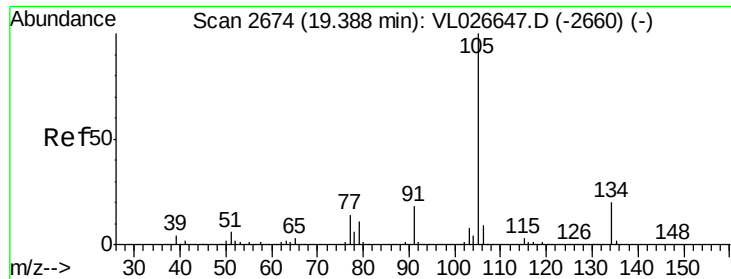
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#66
 Benzyl Chloride
 Concen: 9.82 ppbv
 RT: 19.08 min Scan# 2624
 Delta R.T. 0.01 min
 Lab File: VL026655.D
 Acq: 9 Jan 2016 00:15

Tgt Ion: 91 Resp: 1994049
 Ion Ratio Lower Upper
 91 100
 126 17.6 14.2 21.2
 128 5.6 4.5 6.7





#67

sec-Butylbenzene

Concen: 9.24 ppbv

RT: 19.39 min Scan# 2674

Delta R.T. 0.00 min

Lab File: VL026655.D

Acq: 9 Jan 2016 00:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL010816

Tot Ion:105 Resp: 7793336

Ion Ratio Lower Upper

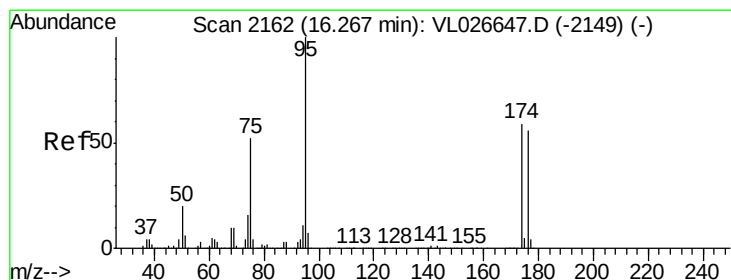
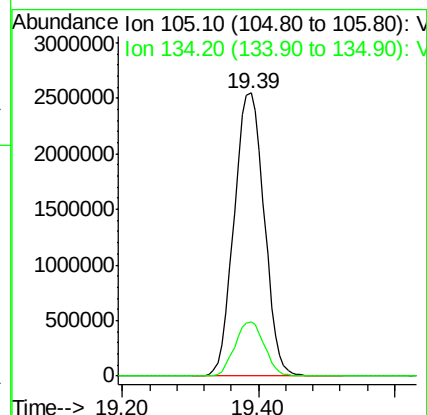
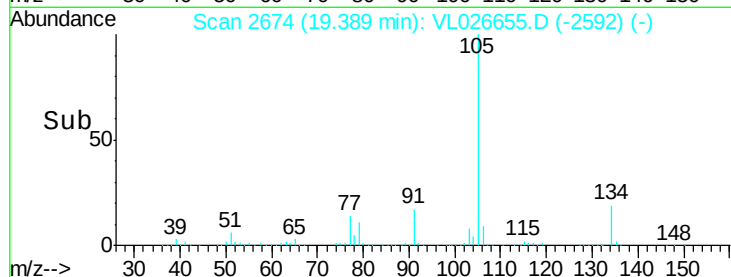
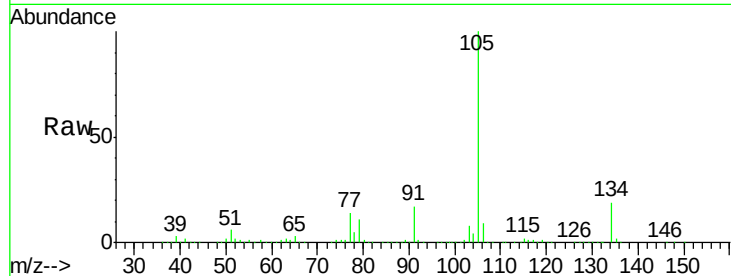
105 100

134 18.9 14.9 22.3

Manual Integrations
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#68

1-Bromo-4-Fluorobenzene

Concen: 10.89 ppbv

RT: 16.27 min Scan# 2162

Delta R.T. 0.00 min

Lab File: VL026655.D

Acq: 9 Jan 2016 00:15

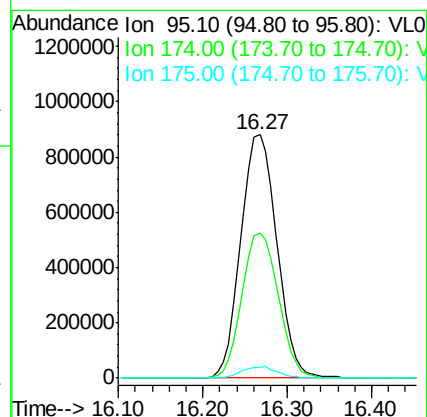
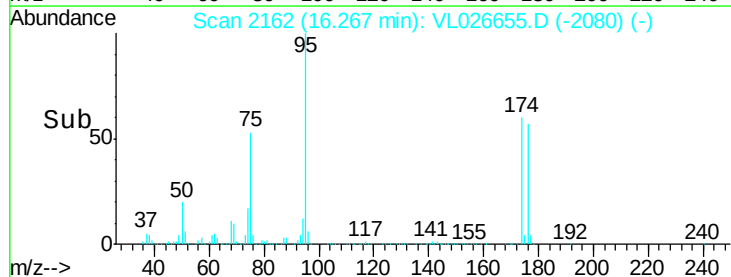
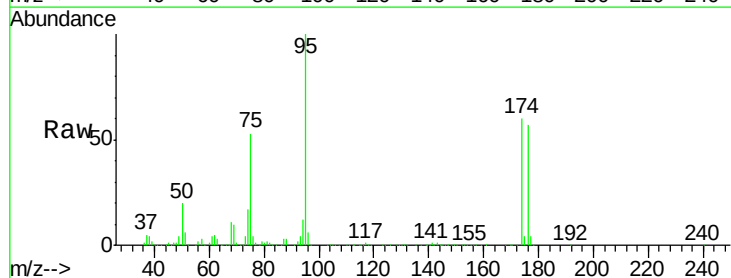
Tgt Ion: 95 Resp: 2557686

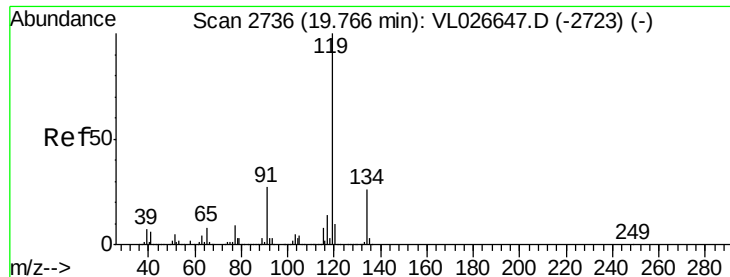
Ion Ratio Lower Upper

95 100

174 60.7 47.8 71.8

175 4.6 3.6 5.4





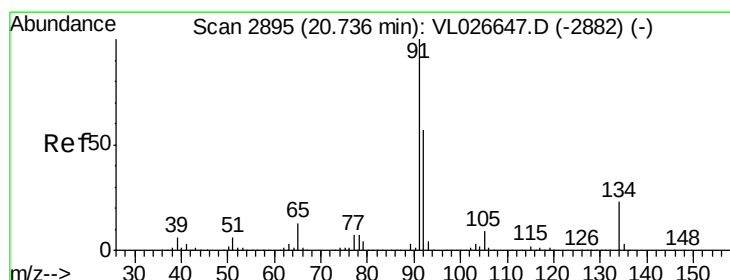
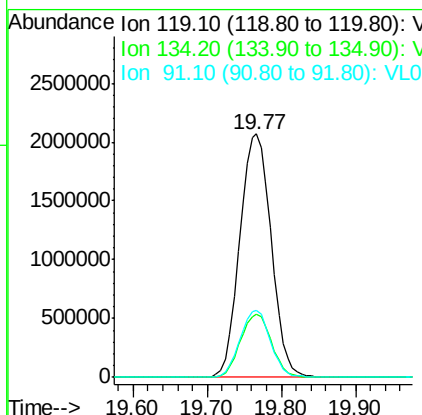
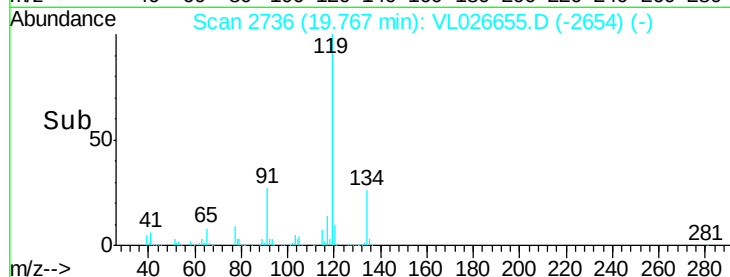
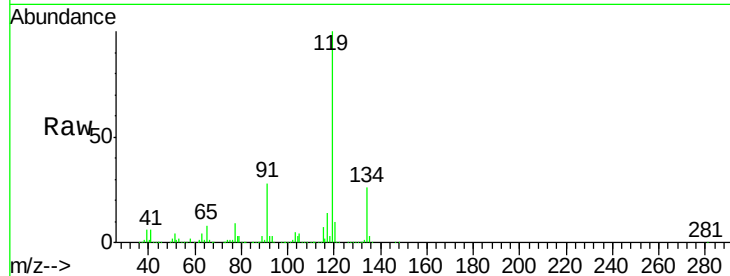
#69
p-Isopropyltoluene
Concen: 9.50 ppbv
RT: 19.77 min Scan# 2736
Delta R.T. 0.00 min
Lab File: VL026655.D
Acq: 9 Jan 2016 00:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL010816

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.8	20.6	31.0
91	26.6	21.7	32.5

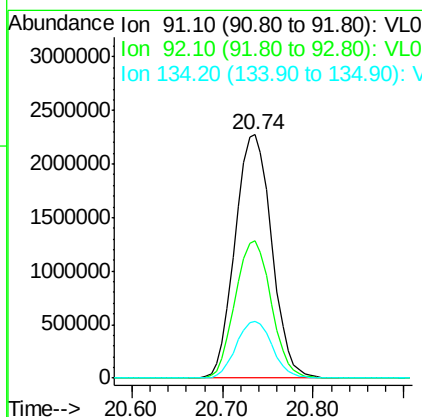
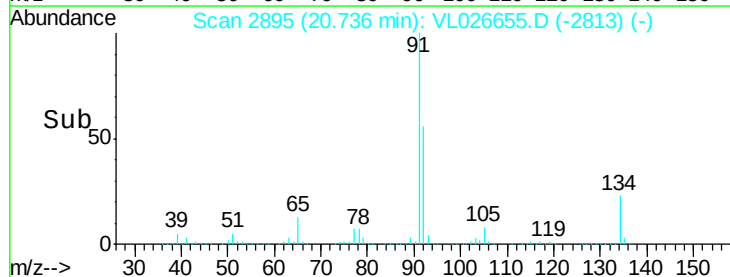
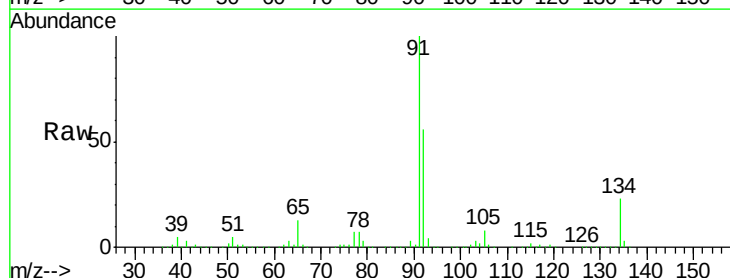
Manual Integrations
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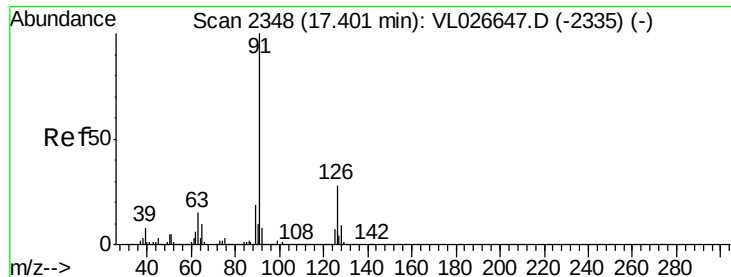
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#70
n-Butylbenzene
Concen: 9.50 ppbv
RT: 20.74 min Scan# 2895
Delta R.T. 0.00 min
Lab File: VL026655.D
Acq: 9 Jan 2016 00:15

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.8	45.0	67.4
134	23.1	18.2	27.2





#71

2-Chlorotoluene

Concen: 9.78 ppbv

RT: 17.41 min Scan# 2349

Delta R.T. 0.01 min

Lab File: VL026655.D

Acq: 9 Jan 2016 00:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL010816

Tot Ion: 91 Resp: 4723691

Ion Ratio Lower Upper

91 100

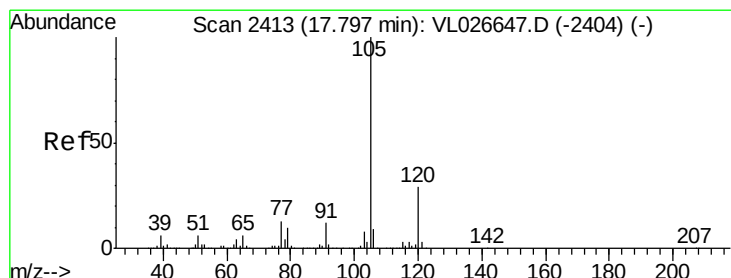
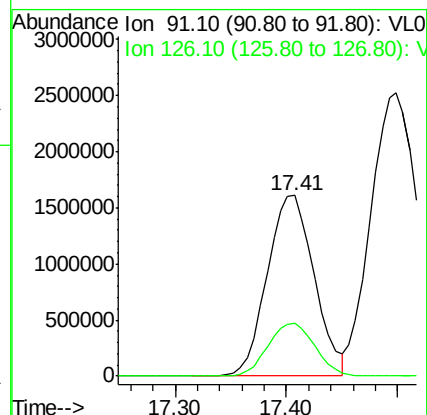
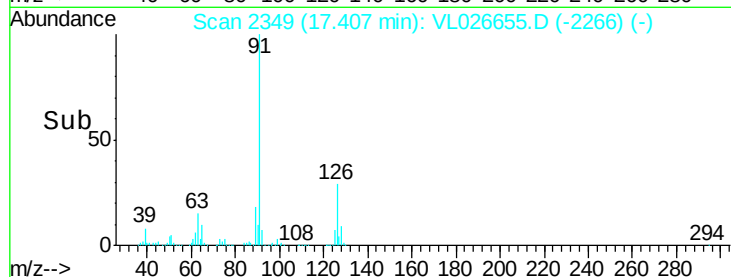
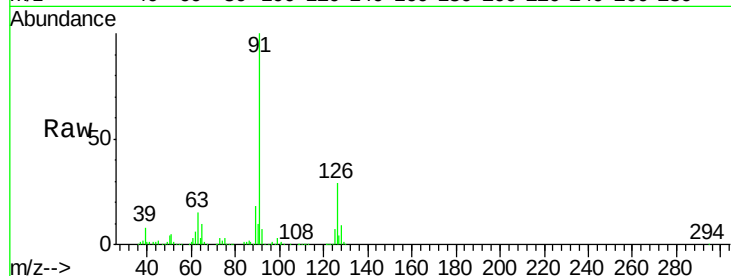
126 29.2 11.4 45.8

Manual Integrations

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#72

4-Ethyltoluene

Concen: 9.77 ppbv

RT: 17.80 min Scan# 2413

Delta R.T. 0.00 min

Lab File: VL026655.D

Acq: 9 Jan 2016 00:15

Tgt Ion: 105 Resp: 5115813

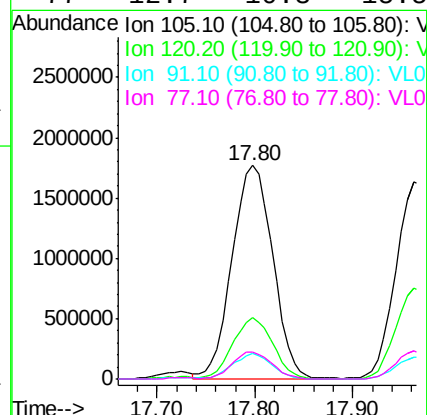
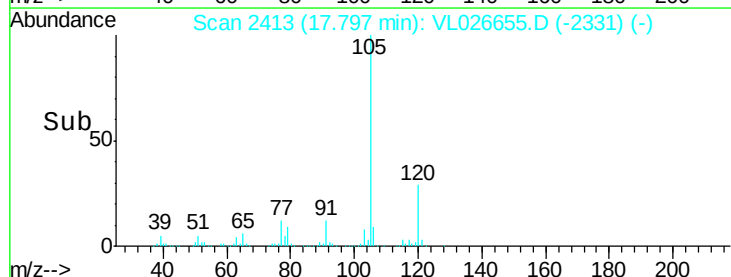
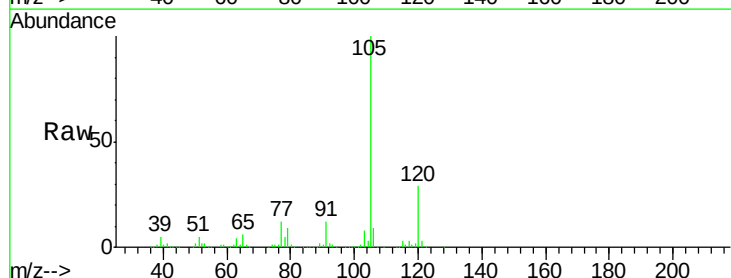
Ion Ratio Lower Upper

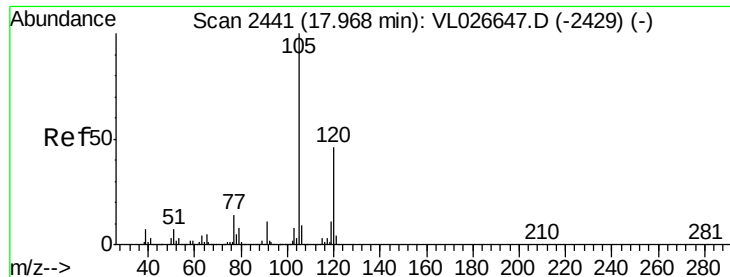
105 100

120 29.1 23.7 35.5

91 11.9 9.7 14.5

77 12.7 10.3 15.5





#73

1,3,5-Trimethylbenzene

Concen: 9.56 ppbv

RT: 17.96 min Scan# 2440

Delta R.T. -0.01 min

Lab File: VL026655.D

Acq: 9 Jan 2016 00:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL010816

Tot Ion:105 Resp: 4749094

Ion Ratio Lower Upper

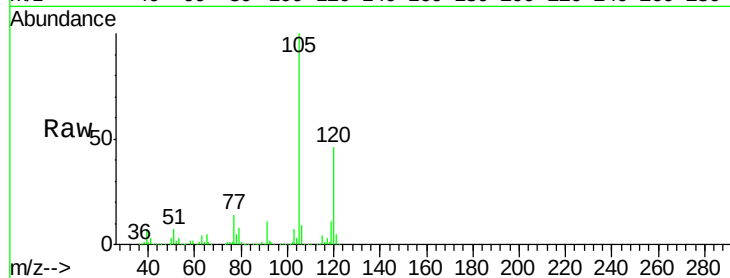
105 100

120 45.9 36.6 54.8

Manual Integrations
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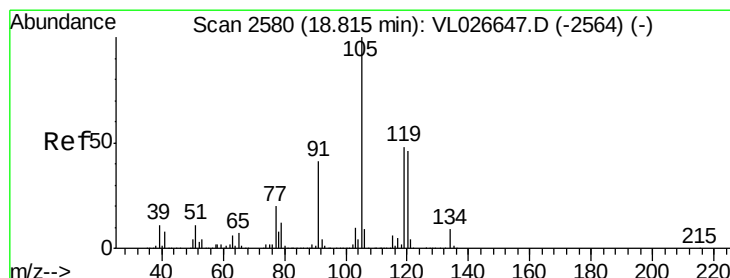
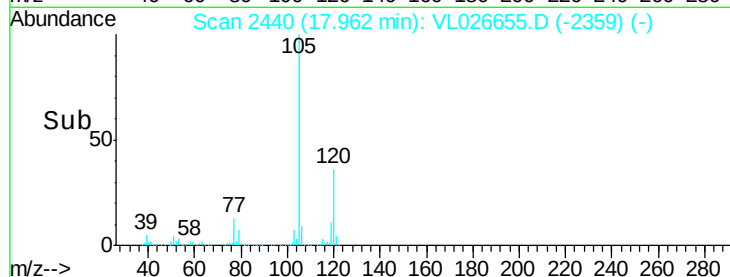
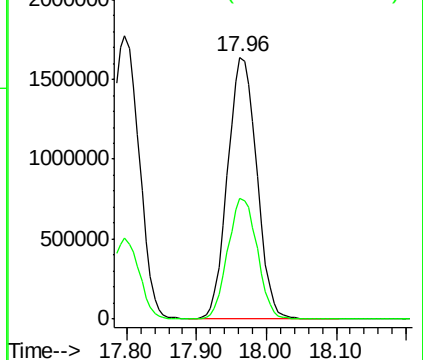
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 8.68 ppbv

RT: 18.81 min Scan# 2579

Delta R.T. -0.01 min

Lab File: VL026655.D

Acq: 9 Jan 2016 00:15

Tgt Ion:105 Resp: 4577063

Ion Ratio Lower Upper

105 100

120 46.7 36.6 55.0

91 50.9 32.5 48.7#

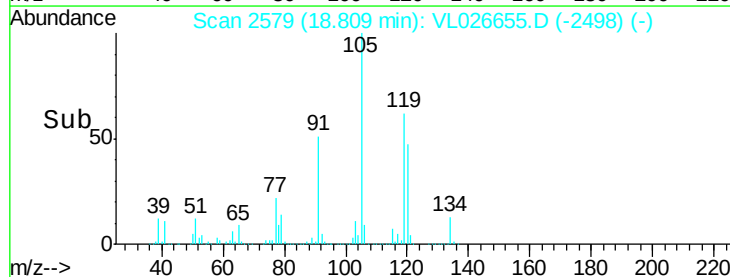
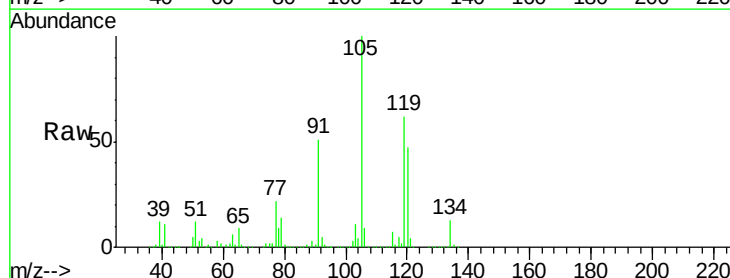
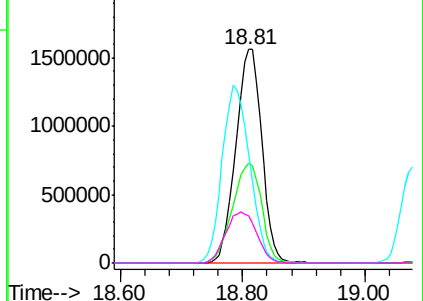
77 22.1 15.7 23.5

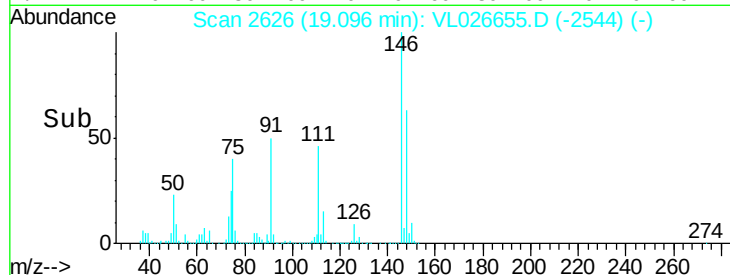
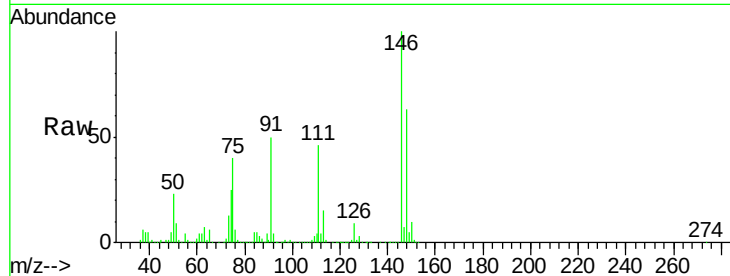
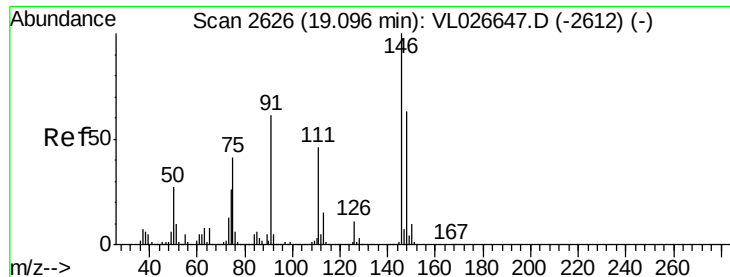
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





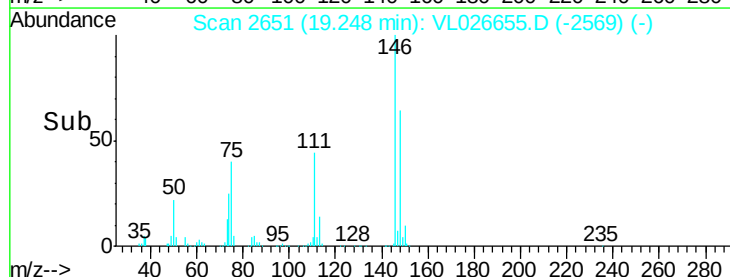
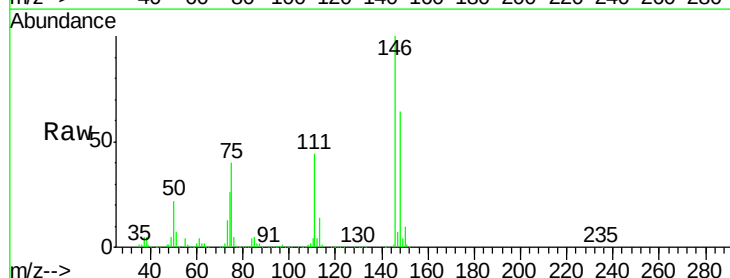
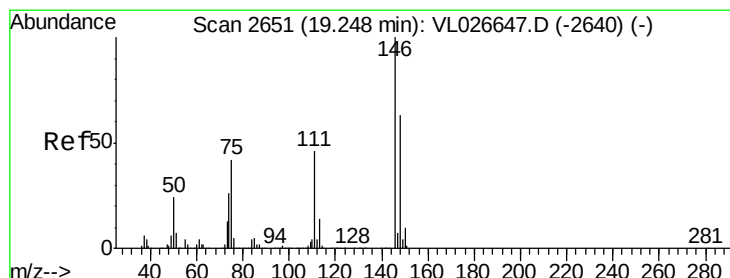
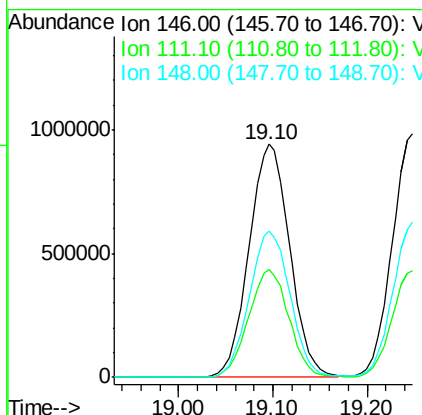
#75
 1,3-Dichlorobenzene
 Concen: 8.75 ppbv
 RT: 19.10 min Scan# 2626
 Delta R.T. 0.00 min
 Lab File: VL026655.D
 Acq: 9 Jan 2016 00:15

Tot Ion:146 Resp: 2849380
 Ion Ratio Lower Upper
 146 100
 111 45.9 22.9 68.5
 148 63.0 31.6 95.0

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL010816

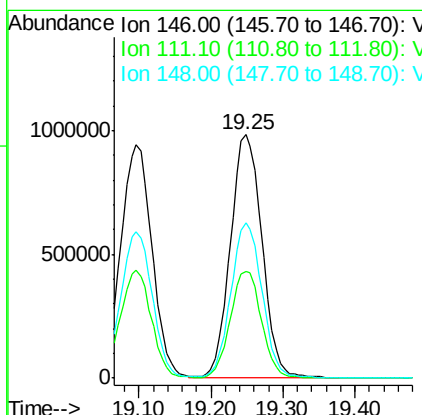
Manual Integrations
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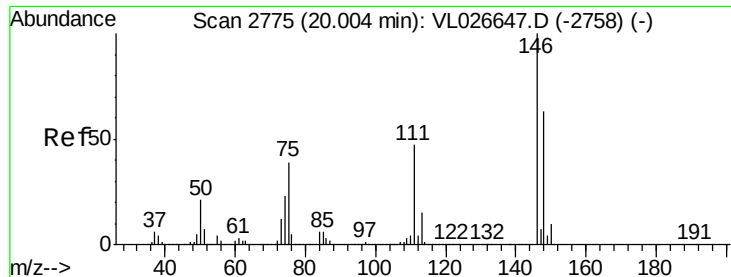
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#76
 1,4-Dichlorobenzene
 Concen: 8.96 ppbv
 RT: 19.25 min Scan# 2651
 Delta R.T. 0.00 min
 Lab File: VL026655.D
 Acq: 9 Jan 2016 00:15

Tgt Ion:146 Resp: 2993704
 Ion Ratio Lower Upper
 146 100
 111 43.5 22.3 66.8
 148 62.8 31.9 95.9





#77

1,2-Dichlorobenzene

Concen: 8.89 ppbv

RT: 20.00 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VL026655.D

Acq: 9 Jan 2016 00:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL010816

Tot Ion:146 Resp: 2938157

Ion Ratio Lower Upper

146 100

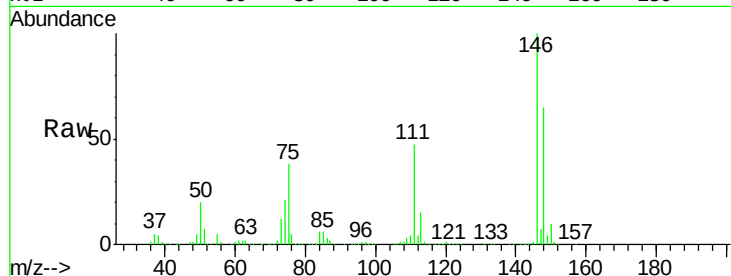
111 47.1 23.7 71.1

148 63.5 31.1 93.5

Manual Integrations
APPROVED

MMDADODA

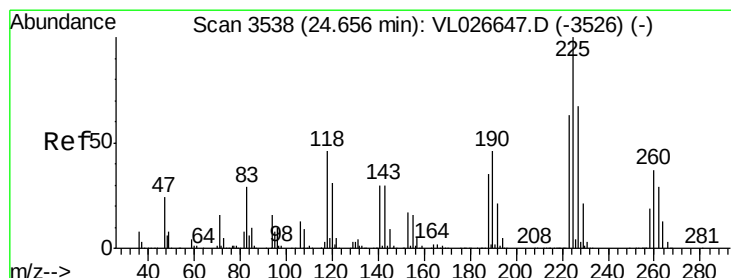
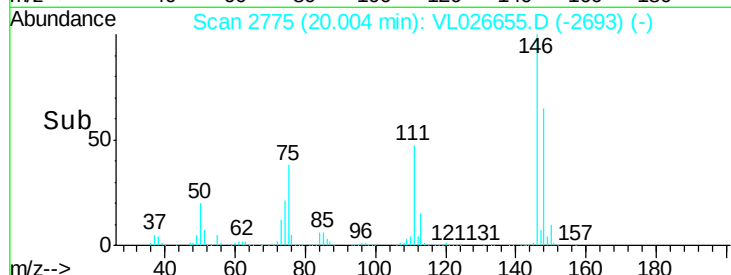
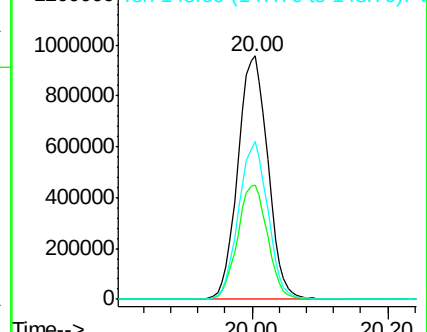
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Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 6.93 ppbv

RT: 24.65 min Scan# 3537

Delta R.T. -0.01 min

Lab File: VL026655.D

Acq: 9 Jan 2016 00:15

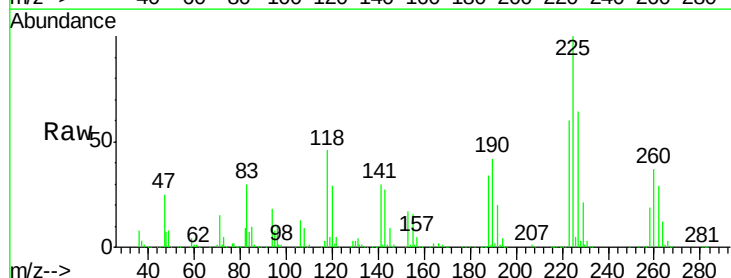
Tgt Ion:225 Resp: 935277

Ion Ratio Lower Upper

225 100

223 61.8 50.1 75.1

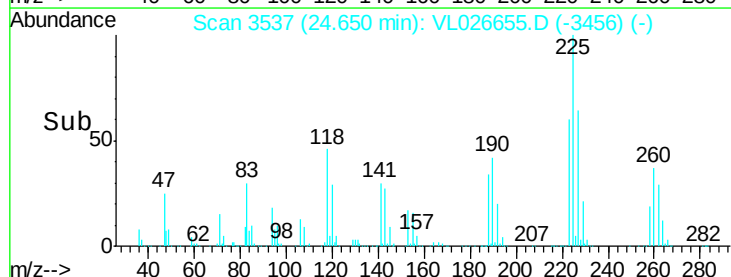
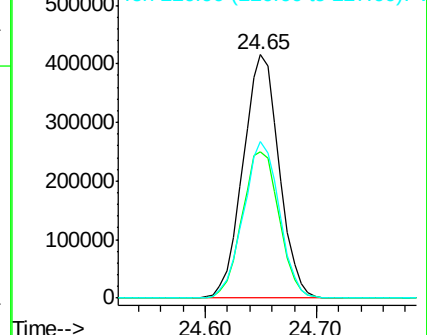
227 64.2 51.1 76.7

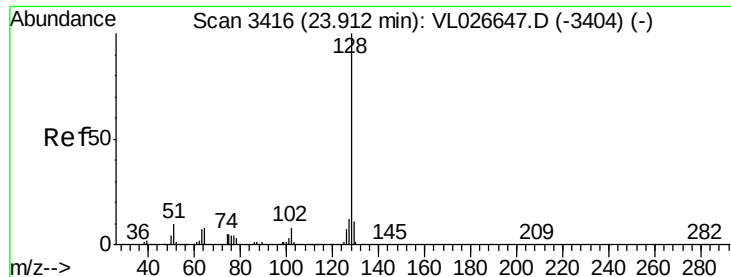


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 7.24 ppbv

RT: 23.91 min Scan# 3415

Delta R.T. -0.01 min

Lab File: VL026655.D

Acq: 9 Jan 2016 00:15

Instrument :

MSVOA_L

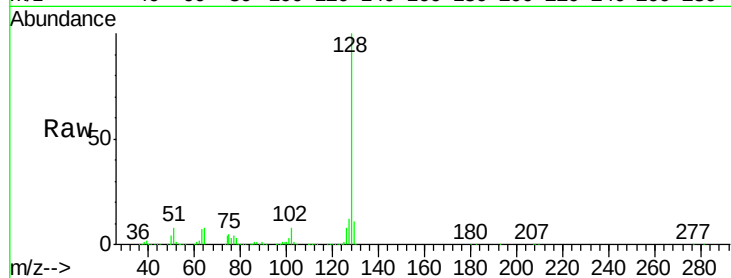
ClientSampled :

ICVVL010816

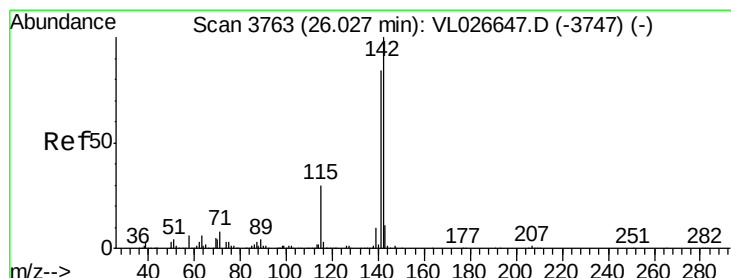
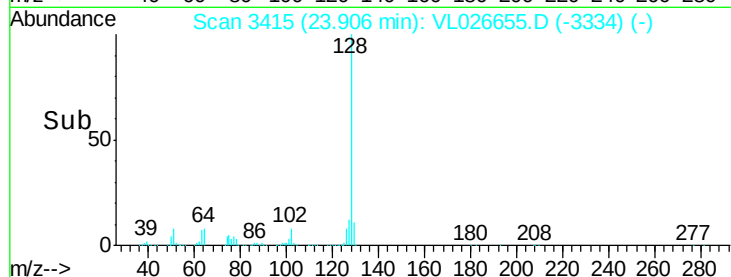
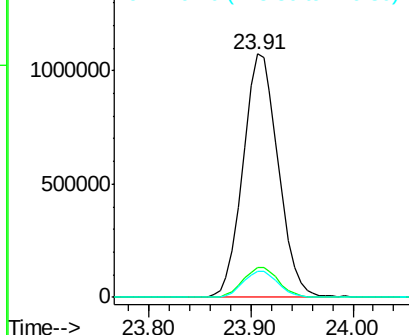
Tot Ion:	128	Resp:	2575996
Ion	Ratio	Lower	Upper
128	100		
127	12.4	9.8	14.8
129	10.7	8.9	13.3

Manual Integrations
APPROVED

MMDADODA
1/21/2016 12:06:11 PM



Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 4.39 ppbv

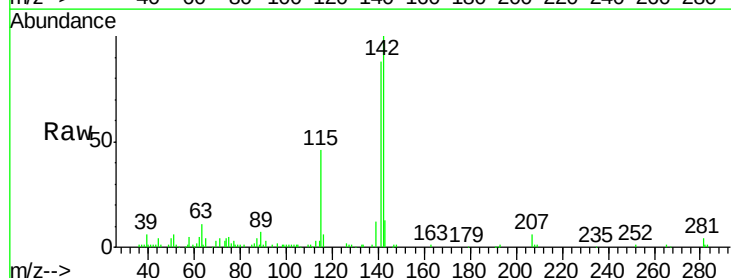
RT: 26.02 min Scan# 3761

Delta R.T. -0.01 min

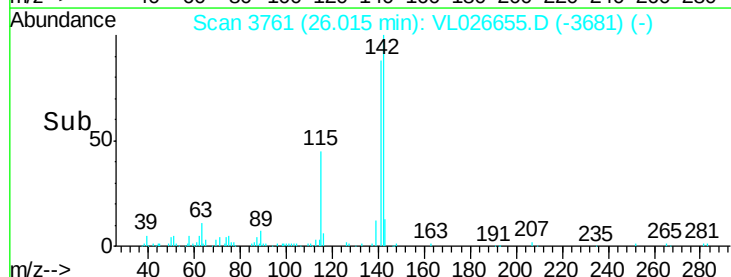
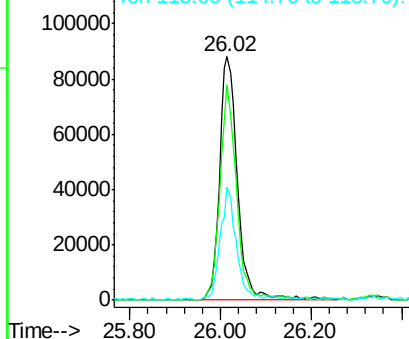
Lab File: VL026655.D

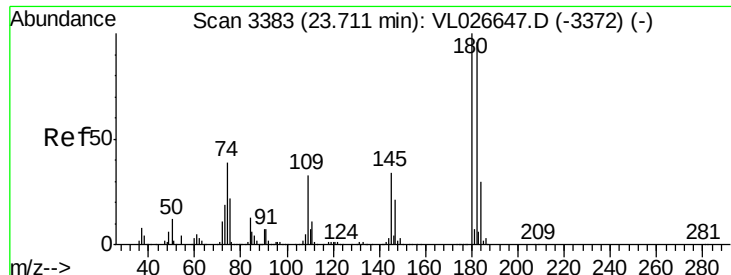
Acq: 9 Jan 2016 00:15

Tgt Ion:	142	Resp:	242425
Ion	Ratio	Lower	Upper
142	100		
141	83.3	67.0	100.6
115	41.4	24.7	37.1#



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V





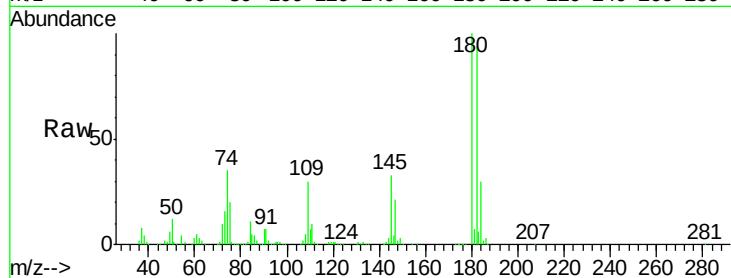
#81
 1,2,4-Trichlorobenzene
 Concen: 7.62 ppbv
 RT: 23.71 min Scan# 3383
 Delta R.T. 0.00 min
 Lab File: VL026655.D
 Acq: 9 Jan 2016 00:15

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL010816

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	75.4	113.0
184	29.5	24.1	36.1

Manual Integrations
 APPROVED

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 1/21/2016 12:06:11 PM



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

