

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL012218\
 Data File : VL031440.D
 Acq On : 23 Jan 2018 10:21
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 1/24/2018 5:10:37 PM

Quant Time: Jan 23 10:52:58 2018
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL012218AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jan 22 2018
 QLast Update : Mon Jan 22 17:52:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.91	49	1275971	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.45	114	2795947	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.41	117	2986657m	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.75	95	2376166	9.93	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.18	85	1670447	9.25	ppbv	99
3) Chlorodifluoromethane	3.11	51	1506868	8.93	ppbv	98
4) Chloromethane	3.27	50	700172	9.29	ppbv	99
5) Vinyl Chloride	3.40	62	719561	9.94	ppbv	99
6) Bromomethane	3.63	94	510783	9.61	ppbv	97
7) Chloroethane	3.71	64	297490	9.62	ppbv	98
8) Dichlorotetrafluoroethane	3.32	85	1870317	9.29	ppbv	100
9) Propene	3.13	41	557588	9.43	ppbv	98
10) Heptane	8.41	43	1744368	9.48	ppbv	100
11) Trichlorofluoromethane	4.13	101	2274561	9.34	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.68	101	1431209	9.38	ppbv	99
13) Ethanol	3.76	45	117361	6.60	ppbv	98
14) Bromoethene	3.91	108	594800	9.75	ppbv	99
15) Acetone	4.02	43	1475956	8.69	ppbv	99
16) 1,3-Butadiene	3.47	39	703110	9.86	ppbv	95
17) tert-Butyl alcohol	4.48	59	787039	9.52	ppbv	100
18) 1,1-Dichloroethene	4.48	96	631819	9.61	ppbv	98
19) Isopropyl Alcohol	4.14	45	955627	9.01	ppbv	99
20) Methylene Chloride	4.54	84	572845	8.69	ppbv	96
21) Allyl Chloride	4.61	41	1010563	9.91	ppbv	99
22) trans-1,2-Dichloroethene	5.10	96	662345	9.60	ppbv	98
23) Vinyl Acetate	5.29	43	2053779	10.00	ppbv	99
24) 1,1-Dichloroethane	5.23	63	1700755	9.49	ppbv	99
25) Ethyl Acetate	5.91	43	2893238	9.56	ppbv	100
26) Hexane	5.93	57	1277055	9.48	ppbv	99
27) Carbon Disulfide	4.75	76	1805015	10.19	ppbv	100
28) Methyl tert-Butyl Ether	5.25	73	1589487	9.95	ppbv	100
29) Chloroform	6.00	83	2109185	9.08	ppbv	100
30) Cyclohexane	7.41	84	1005336	9.76	ppbv	99
31) cis-1,2-Dichloroethene	5.79	61	1260637	9.90	ppbv	95
32) 1,1,1-Trichloroethane	6.77	97	2168583	9.58	ppbv	99
34) 2-Butanone	5.47	43	1872882	10.59	ppbv	99
35) Carbon Tetrachloride	7.29	117	2373142	10.48	ppbv	98
36) Benzene	7.16	78	2455106	9.87	ppbv	100
37) 1,2-Dichloroethane	6.57	62	1899189	9.84	ppbv	100
38) Trichloroethene	8.12	130	1033907	10.69	ppbv	99
39) 1,2-Dichloropropane	7.90	63	890759	9.54	ppbv	93
40) 1,4-Dioxane	8.12	88	374352	9.82	ppbv	78
41) Tetrahydrofuran	6.30	42	976037	9.99	ppbv	99
42) Bromodichloromethane	8.08	83	2299680	9.93	ppbv	99
43) Methyl Methacrylate	8.30	69	960859	10.57	ppbv	100

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Quant Time: Jan 23 10:52:58 2018
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.15	57	4207075	9.92	ppbv	99
45) t-1,3-Dichloropropene	9.58	75	1391818	10.68	ppbv	100
46) cis-1,3-Dichloropropene	9.00	75	1685423	10.54	ppbv	97
47) 1,1,2-Trichloroethane	9.78	97	1057942	9.63	ppbv	99
48) Dibromochloromethane	10.62	129	1923221	9.84	ppbv	99
49) Bromoform	13.38	173	1461828	9.83	ppbv	100
50) 4-Methyl-2-Pentanone	9.03	43	2409116	10.12	ppbv	99
51) 2-Hexanone	10.44	43	2332507	10.27	ppbv #	99
52) Tetrachloroethene	11.55	164	944549	10.12	ppbv	99
53) Toluene	10.12	91	2989704	10.19	ppbv	99
54) 1,2-Dibromoethane	10.94	107	1662057	9.74	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.46	131	1313470	9.26	ppbv	97
57) Chlorobenzene	12.48	112	2332304	9.02	ppbv	97
58) Ethyl Benzene	13.04	91	4185402	9.56	ppbv	99
59) m/p-Xylene	13.32	91	6950158m	18.56	ppbv	
60) o-Xylene	14.02	91	3599731	9.61	ppbv	99
61) Styrene	13.86	104	857316	10.53	ppbv	99
62) Isopropylbenzene	15.00	105	4436973	9.44	ppbv	99
63) 1,1,2,2-Tetrachloroethane	14.01	83	2327742	9.02	ppbv	99
64) n-propylbenzene	15.90	120	1109994	9.52	ppbv	98
65) tert-Butylbenzene	17.08	119	4036554	9.73	ppbv	100
66) Benzyl Chloride	17.33	91	414822	10.01	ppbv	99
67) sec-Butylbenzene	17.63	105	5678839	9.80	ppbv	100
69) p-Isopropyltoluene	17.99	119	4685339	10.06	ppbv	100
70) n-Butylbenzene	18.89	91	4974839	10.28	ppbv	100
71) 2-Chlorotoluene	15.79	91	3381390	9.54	ppbv	100
72) 4-Ethyltoluene	16.17	105	3709353	9.80	ppbv	99
73) 1,3,5-Trimethylbenzene	16.33	105	3354444	9.74	ppbv	100
74) 1,2,4-Trimethylbenzene	17.10	105	3657355	9.59	ppbv	97
75) 1,3-Dichlorobenzene	17.34	146	2282041	9.63	ppbv	100
76) 1,4-Dichlorobenzene	17.48	146	2287360	9.85	ppbv	100
77) 1,2-Dichlorobenzene	18.17	146	2304572	10.04	ppbv	100
78) Hexachloro-1,3-Butadiene	23.71	225	1020393	12.63	ppbv	99
79) Naphthalene	22.61	128	2514963	10.70	ppbv	99
80) Naphthalene, 2-methyl-	25.25	142	610110	9.31	ppbv	99
81) 1,2,4-Trichlorobenzene	22.34	180	1276810	10.17	ppbv	99

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

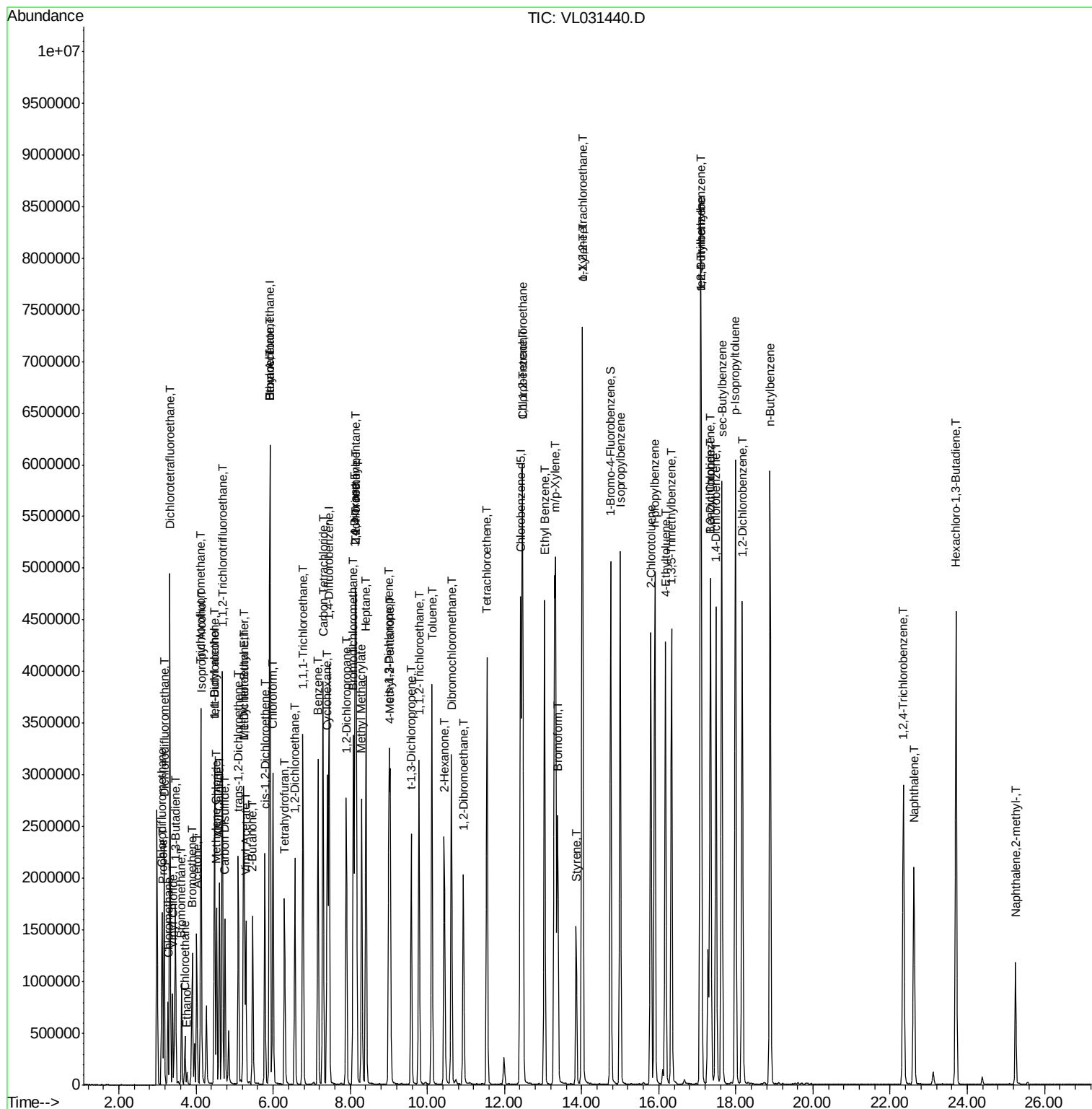
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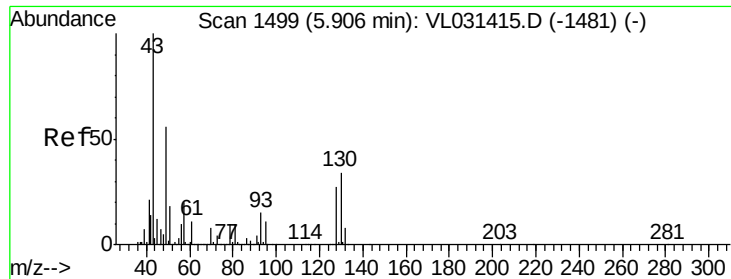
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Manual Integrations

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Quant Time: Jan 23 10:52:58 2018
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Jan
QLast Update : Mon Jan 22 17:52:32 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.91 min Scan# 1500

Delta R.T. -0.00 min

Lab File: VL031440.D

Acq: 23 Jan 2018 10:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 49 Resp: 1275971

Ion Ratio Lower Upper

49 100

128 45.1 23.5 70.6

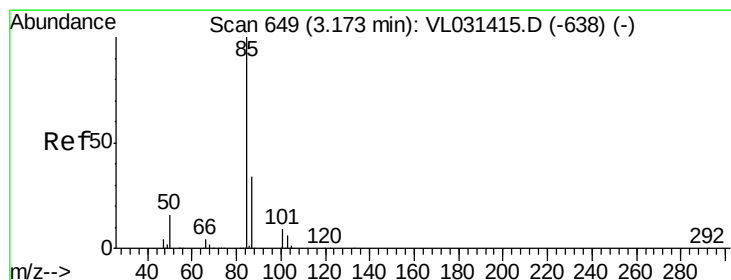
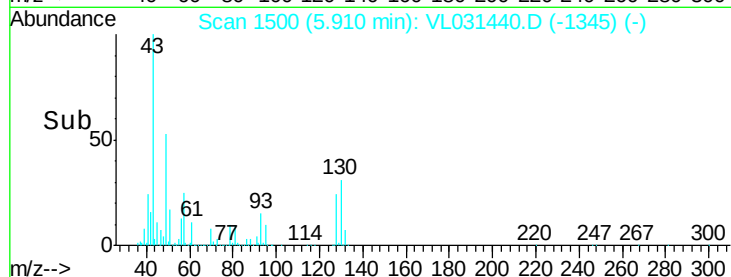
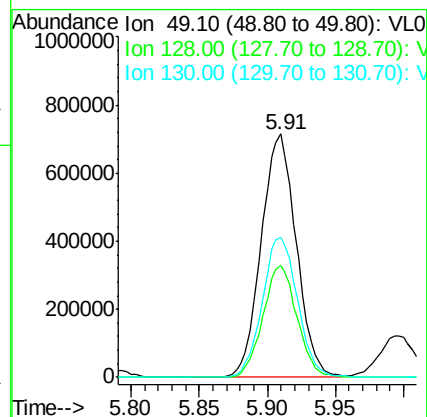
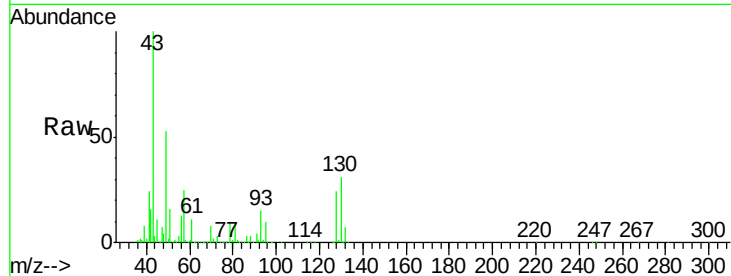
130 58.2 29.9 89.7

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 9.25 ppbv

RT: 3.18 min Scan# 650

Delta R.T. -0.00 min

Lab File: VL031440.D

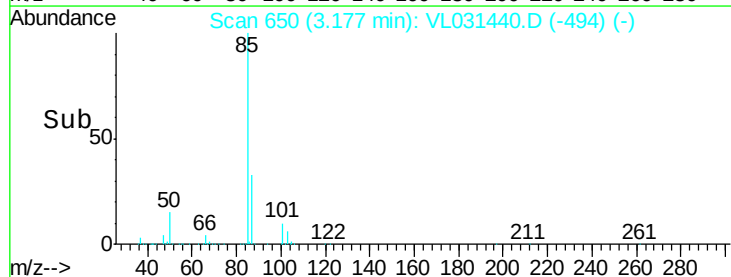
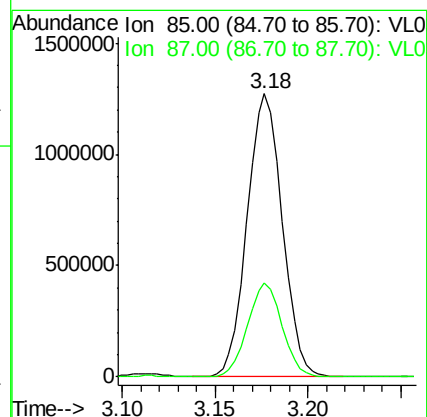
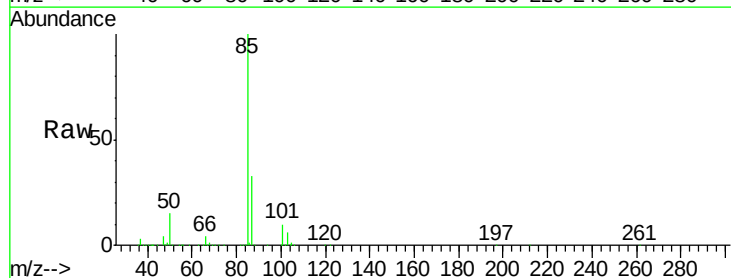
Acq: 23 Jan 2018 10:21

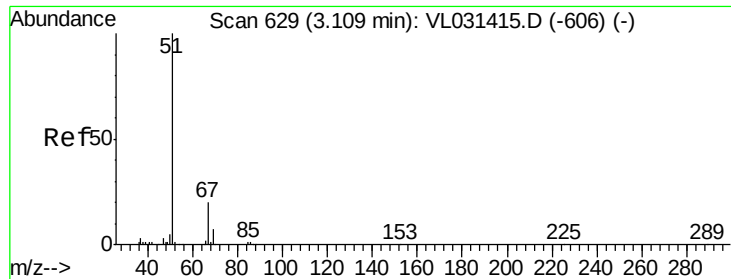
Tgt Ion: 85 Resp: 1670447

Ion Ratio Lower Upper

85 100

87 33.4 27.4 41.0





#3

Chlorodifluoromethane

Concen: 8.93 ppbv

RT: 3.11 min Scan# 630

Delta R.T. -0.00 min

Lab File: VL031440.D

Acq: 23 Jan 2018 10:21

Tot Ion: 51 Resp: 1506868

Ion Ratio Lower Upper

51 100

67 20.8 16.0 24.0

Instrument :

MSVOA_L

ClientSampleId :

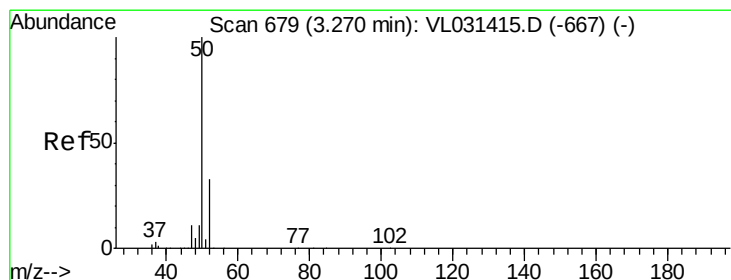
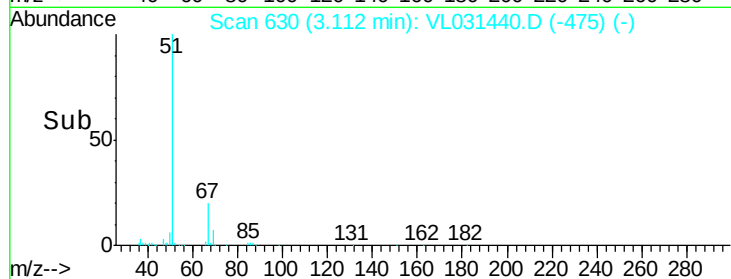
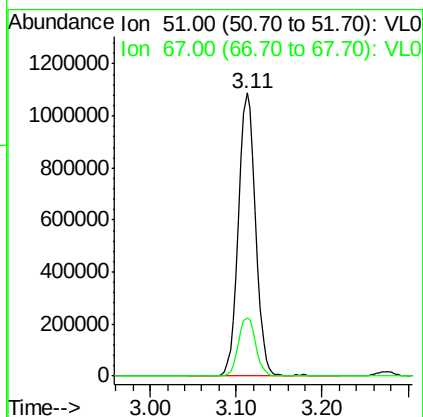
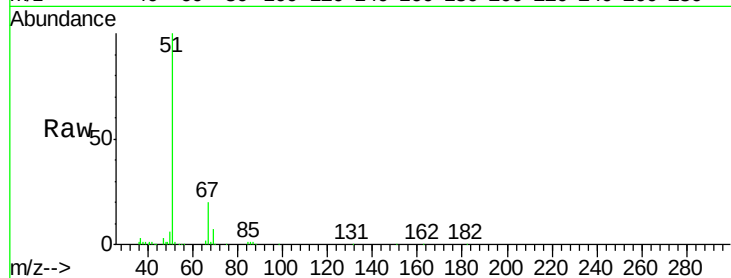
VSTDCCC010EC

Manual Integrations

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#4

Chloromethane

Concen: 9.29 ppbv

RT: 3.27 min Scan# 680

Delta R.T. -0.00 min

Lab File: VL031440.D

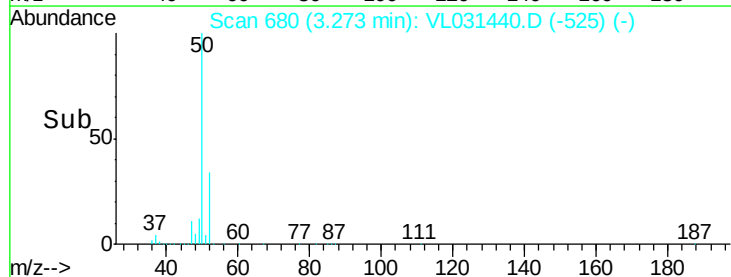
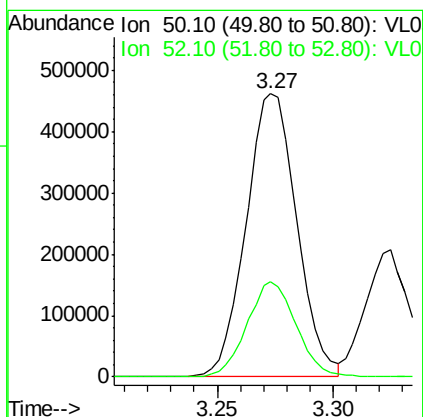
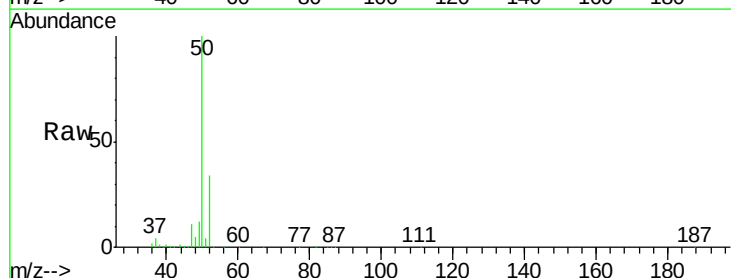
Acq: 23 Jan 2018 10:21

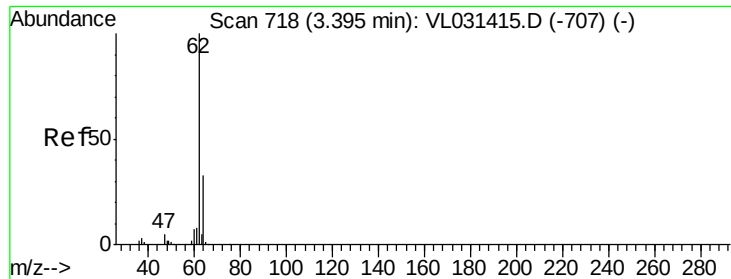
Tgt Ion: 50 Resp: 700172

Ion Ratio Lower Upper

50 100

52 33.6 26.4 39.6





#5

Vinyl Chloride

Concen: 9.94 ppbv

RT: 3.40 min Scan# 719

Delta R.T. 0.00 min

Lab File: VL031440.D

Acq: 23 Jan 2018 10:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 719561

Ion Ratio Lower Upper

62 100

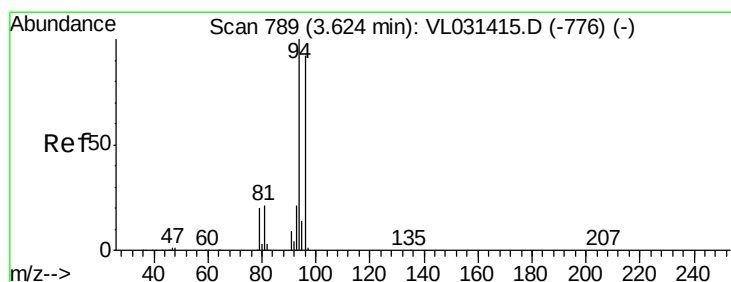
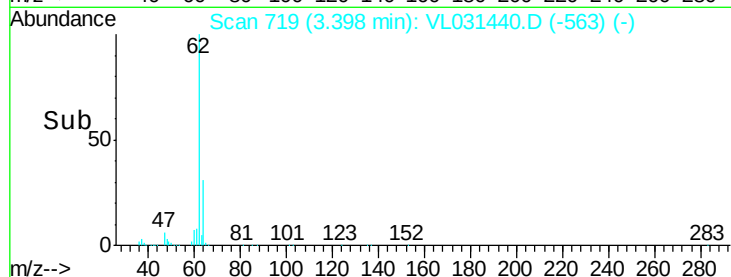
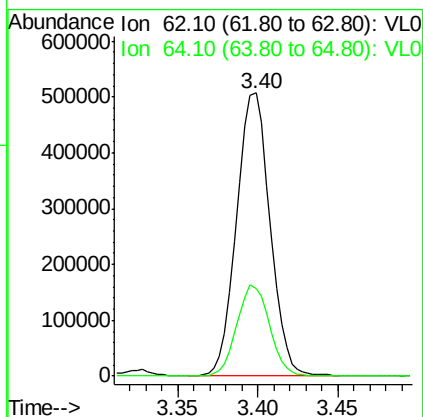
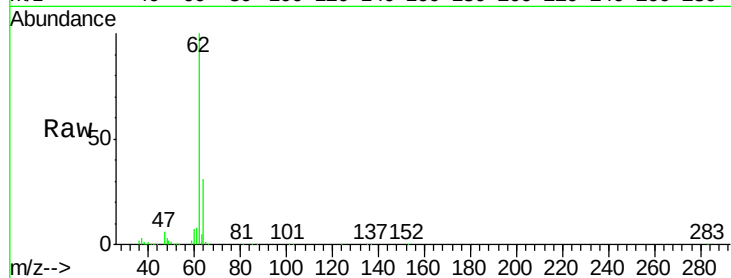
64 31.0 25.4 38.0

Manual Integrations

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#6

Bromomethane

Concen: 9.61 ppbv

RT: 3.63 min Scan# 790

Delta R.T. -0.00 min

Lab File: VL031440.D

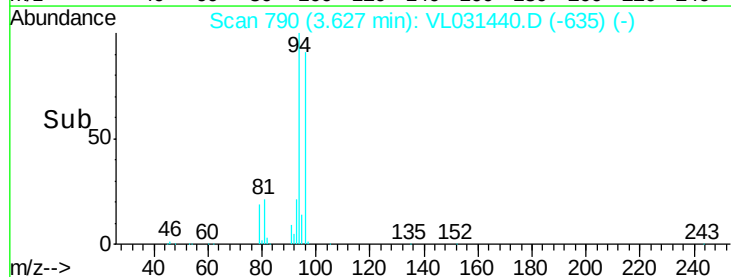
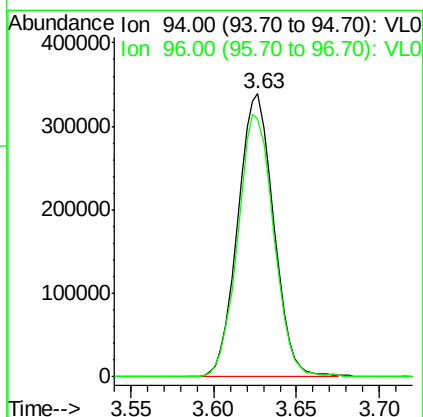
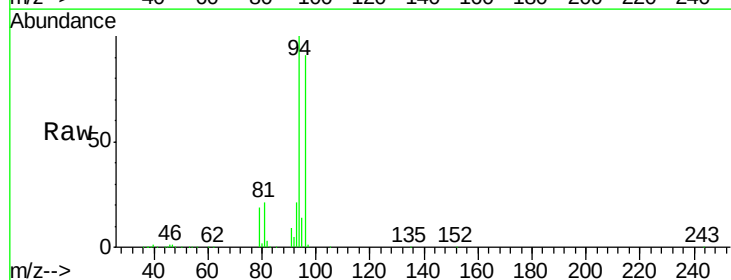
Acq: 23 Jan 2018 10:21

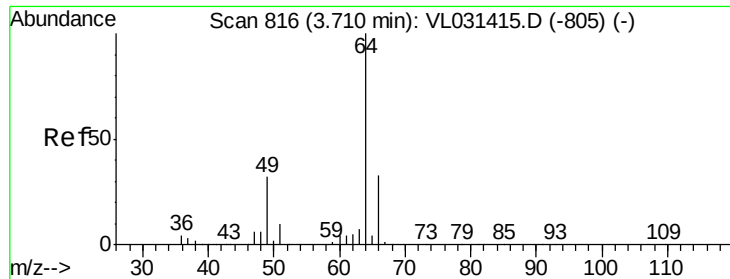
Tgt Ion: 94 Resp: 510783

Ion Ratio Lower Upper

94 100

96 90.9 75.1 112.7





#7

Chloroethane

Concen: 9.62 ppbv

RT: 3.71 min Scan# 817

Delta R.T. 0.00 min

Lab File: VL031440.D

Acq: 23 Jan 2018 10:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 297490

Ion Ratio Lower Upper

64 100

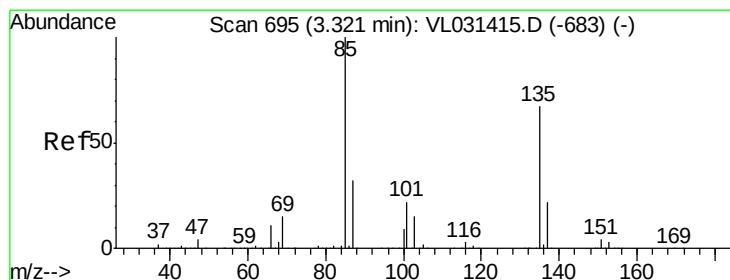
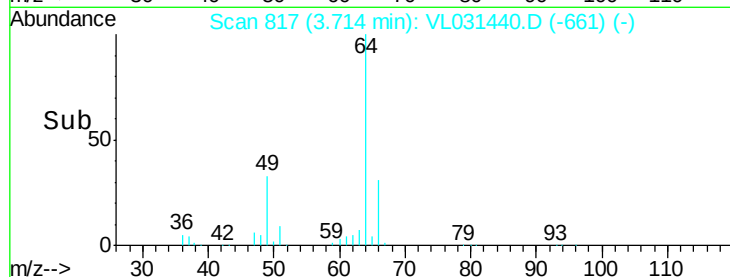
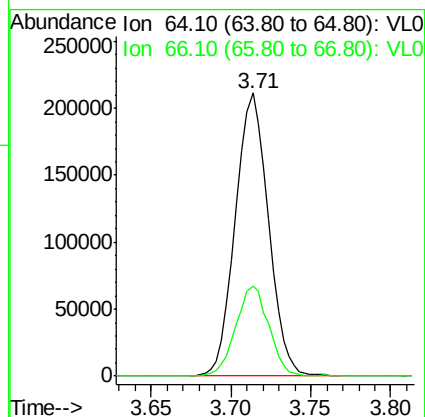
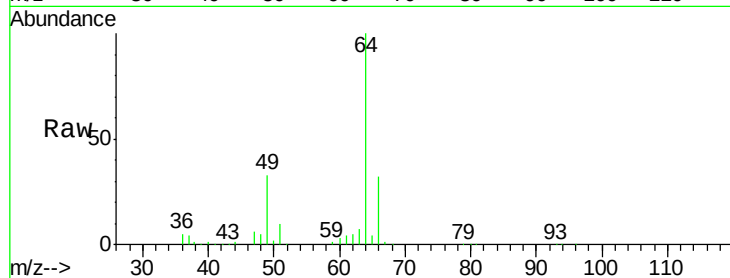
66 31.7 26.3 39.5

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 9.29 ppbv

RT: 3.32 min Scan# 696

Delta R.T. -0.00 min

Lab File: VL031440.D

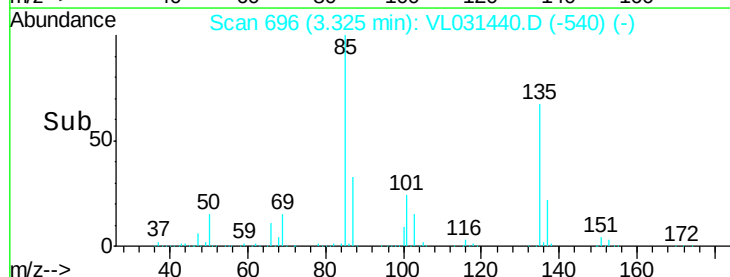
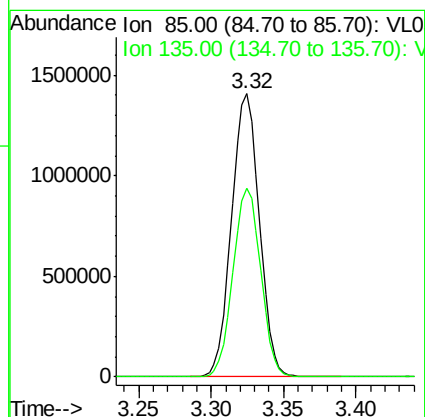
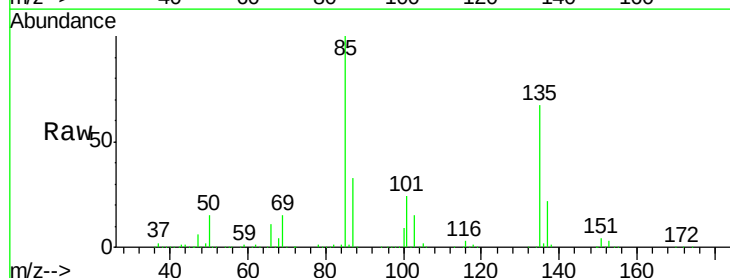
Acq: 23 Jan 2018 10:21

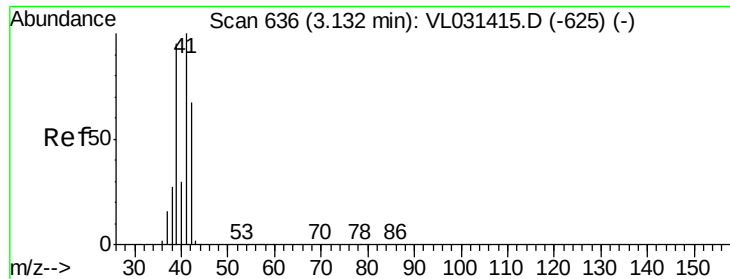
Tgt Ion: 85 Resp: 1870317

Ion Ratio Lower Upper

85 100

135 66.6 53.3 79.9





#9

Propene

Concen: 9.43 ppbv

RT: 3.13 min Scan# 637

Delta R.T. -0.00 min

Lab File: VL031440.D

Acq: 23 Jan 2018 10:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 41 Resp: 557588

Ion Ratio Lower Upper

41 100

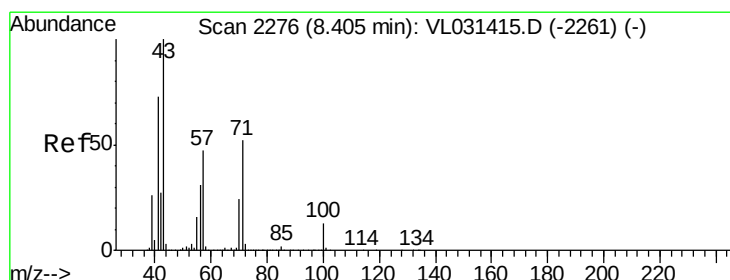
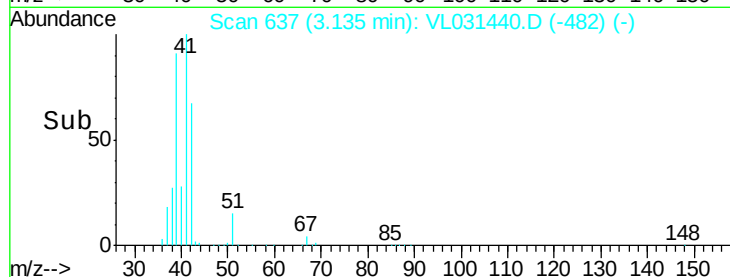
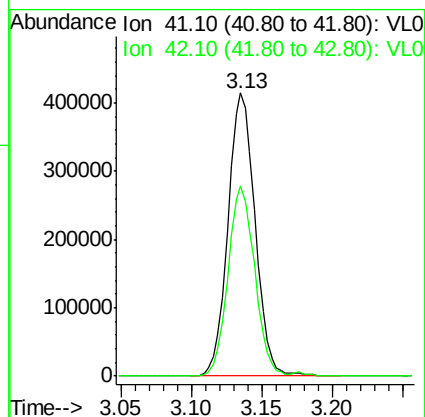
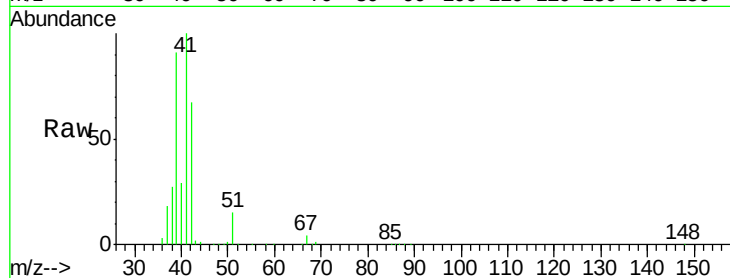
42 66.7 54.6 82.0

Manual Integrations

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#10

Heptane

Concen: 9.48 ppbv

RT: 8.41 min Scan# 2277

Delta R.T. -0.00 min

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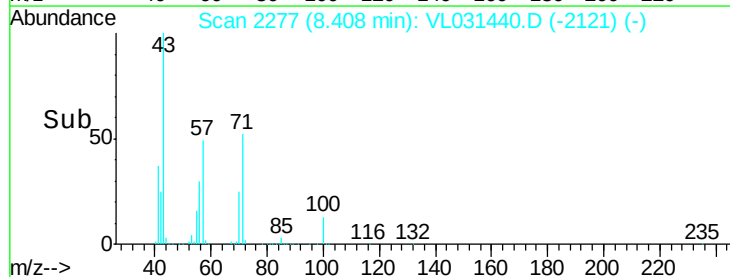
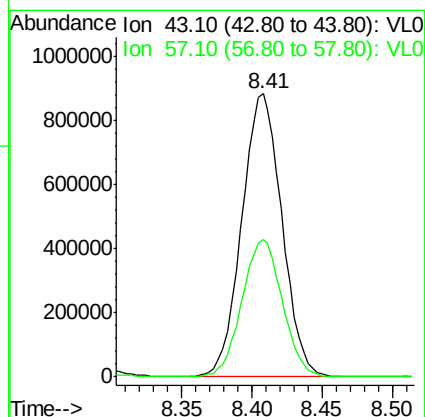
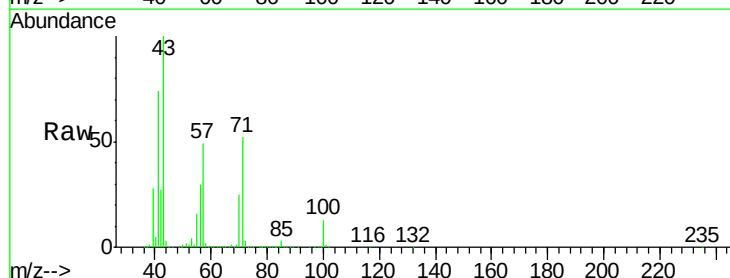
Acq: 23 Jan 2018 10:21

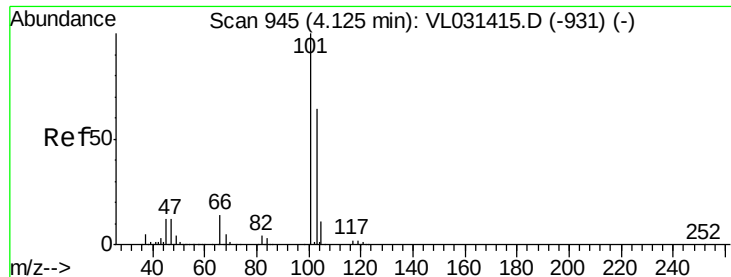
Tgt Ion: 43 Resp: 1744368

Ion Ratio Lower Upper

43 100

57 49.3 39.7 59.5





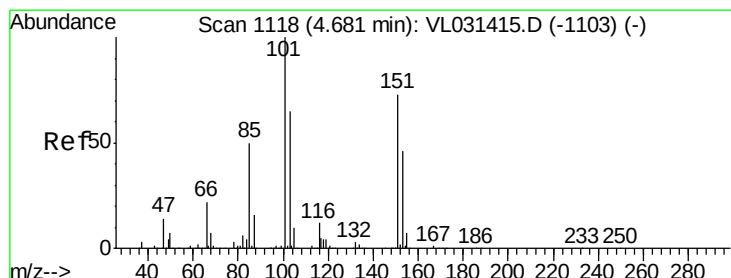
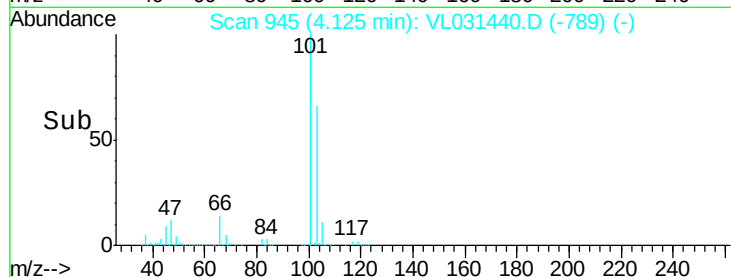
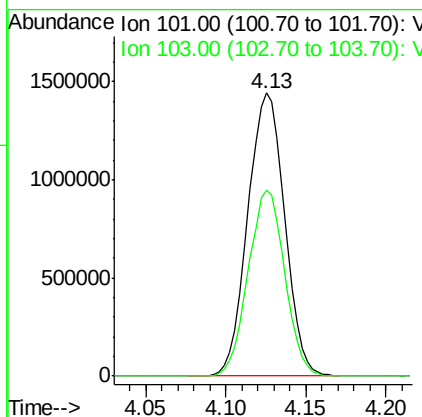
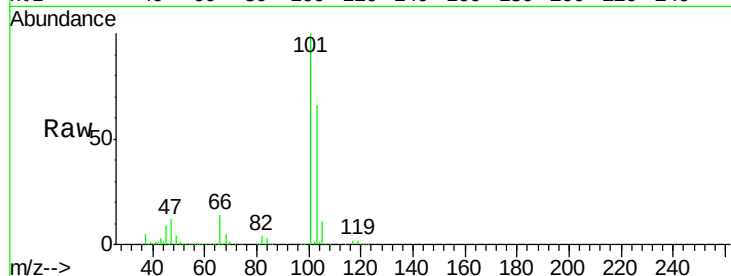
#11
 Trichlorofluoromethane
 Concen: 9.34 ppbv
 RT: 4.13 min Scan# 945
 Delta R.T. -0.00 min
 Lab File: VL031440.D
 Acq: 23 Jan 2018 10:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:101 Resp: 2274561
 Ion Ratio Lower Upper
 101 100
 103 65.8 53.1 79.7

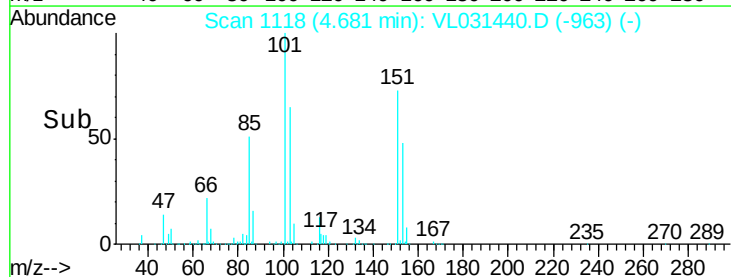
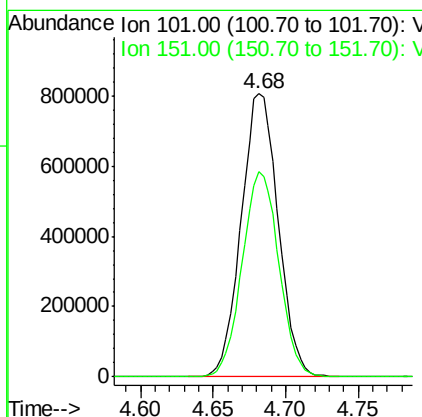
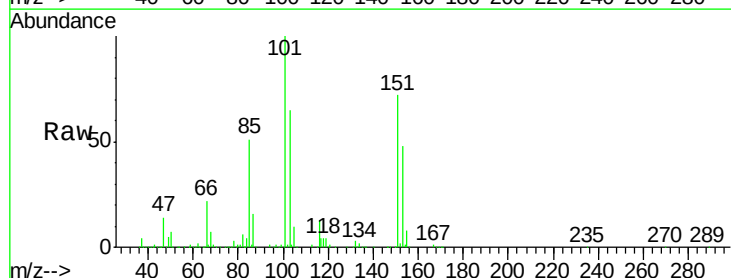
Manual Integrations
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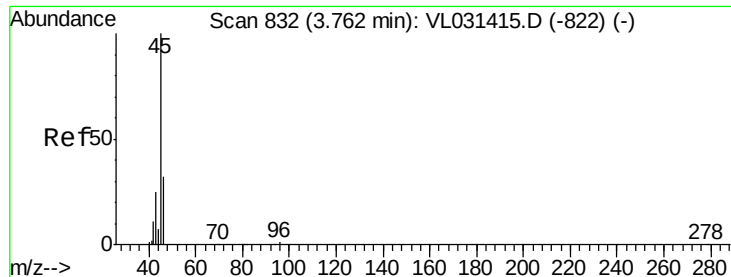
MMMadoda
 1/24/2018 5:10:37 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.38 ppbv
 RT: 4.68 min Scan# 1118
 Delta R.T. -0.00 min
 Lab File: VL031440.D
 Acq: 23 Jan 2018 10:21

Tgt Ion:101 Resp: 1431209
 Ion Ratio Lower Upper
 101 100
 151 72.0 58.1 87.1





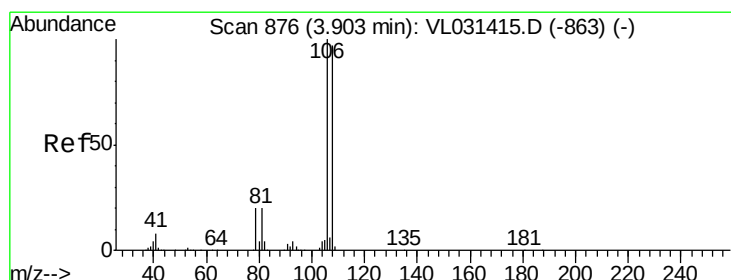
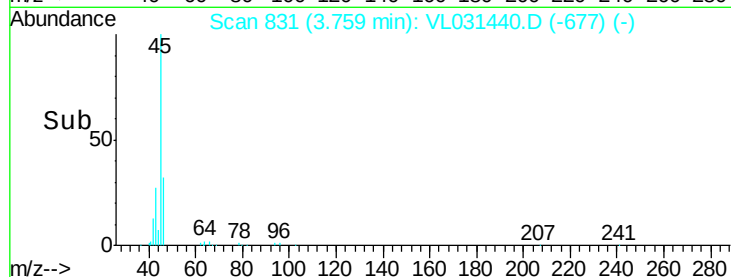
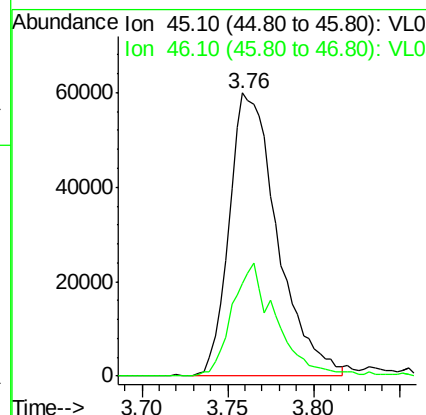
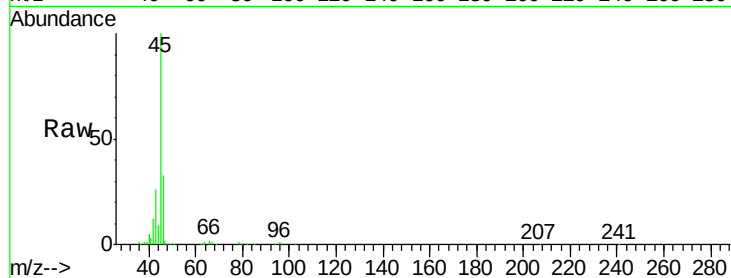
#13
Ethanol
Concen: 6.60 ppbv
RT: 3.76 min Scan# 831
Delta R.T. -0.01 min
Lab File: VL031440.D
Acq: 23 Jan 2018 10:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	45	Resp	117361
Ion Ratio	100	Lower	Upper
46	38.3	14.9	59.5

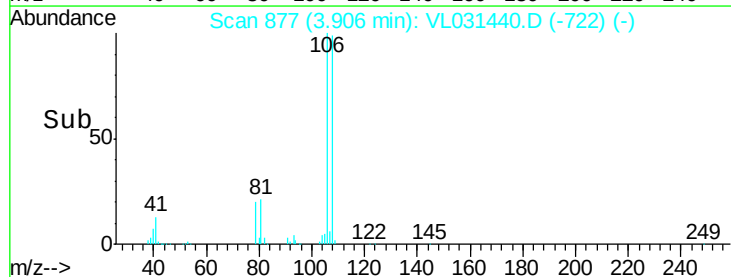
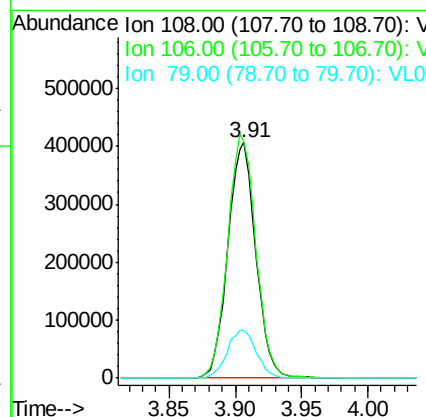
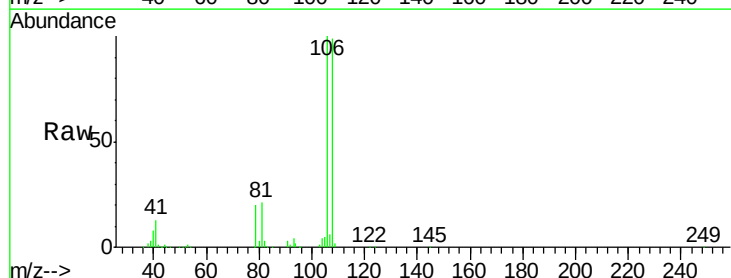
Manual Integrations
APPROVED

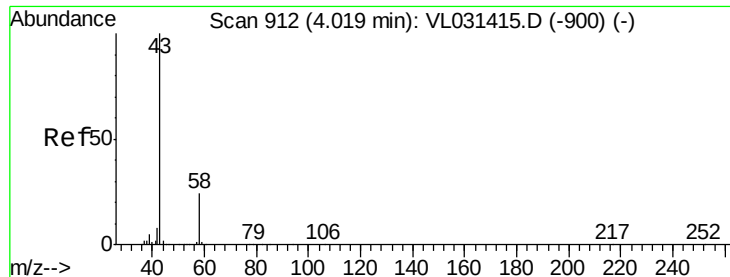
MMDadoda
1/24/2018 5:10:37 PM



#14
Bromoethene
Concen: 9.75 ppbv
RT: 3.91 min Scan# 877
Delta R.T. -0.00 min
Lab File: VL031440.D
Acq: 23 Jan 2018 10:21

Tgt Ion	108	Resp	594800
Ion Ratio	100	Lower	Upper
106	105.2	85.3	127.9
79	21.7	16.8	25.2





#15

Acetone

Concen: 8.69 ppbv

RT: 4.02 min Scan# 912

Delta R.T. -0.00 min

Lab File: VL031440.D

Acq: 23 Jan 2018 10:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1475956

Ion Ratio Lower Upper

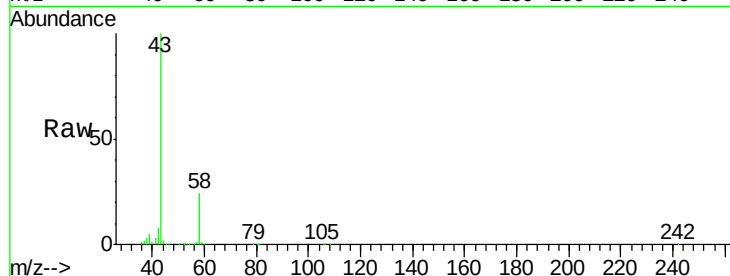
43 100

58 23.9 19.4 29.2

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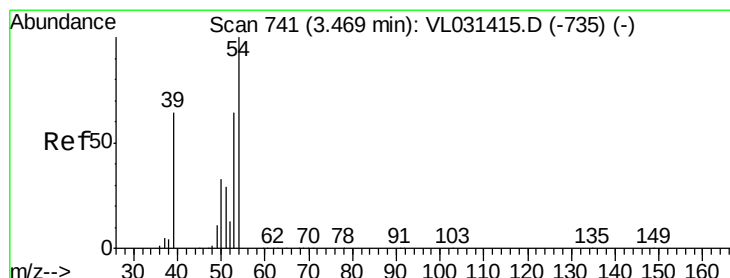
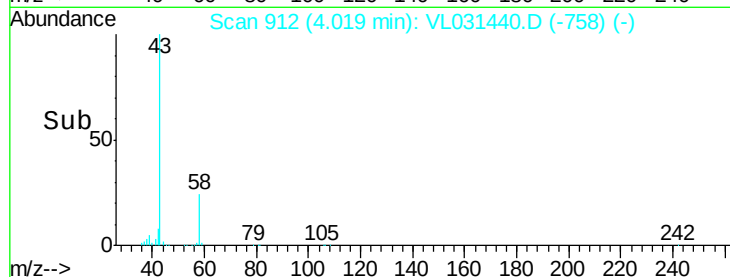
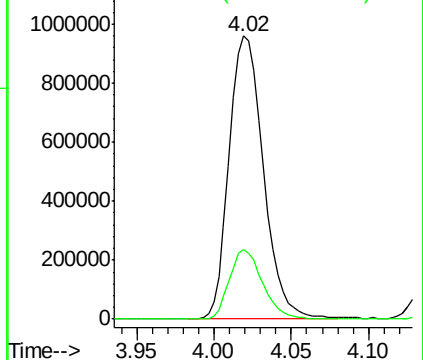
MMDadoda

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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 9.86 ppbv

RT: 3.47 min Scan# 741

Delta R.T. -0.00 min

Lab File: VL031440.D

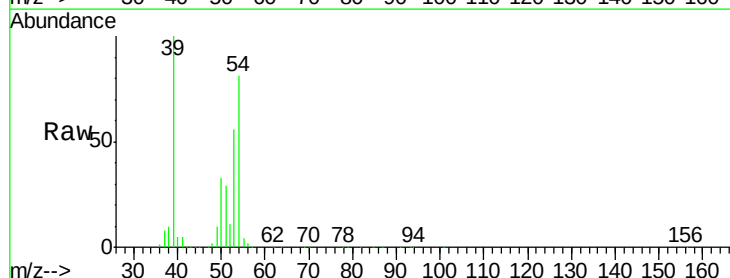
Acq: 23 Jan 2018 10:21

Tgt Ion: 39 Resp: 703110

Ion Ratio Lower Upper

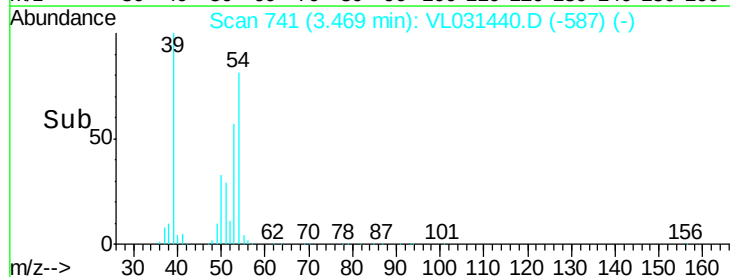
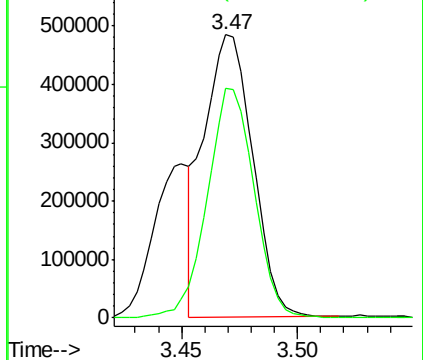
39 100

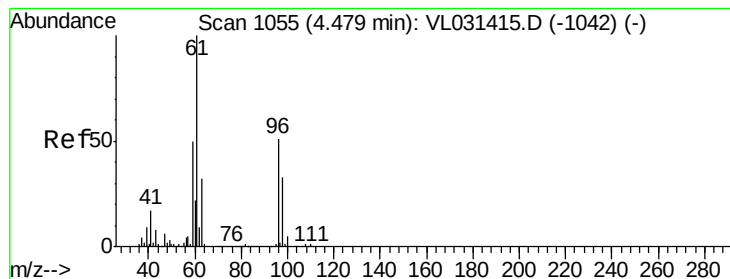
54 79.2 67.0 100.6



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 9.52 ppbv

RT: 4.48 min Scan# 1055

Delta R.T. -0.00 min

Lab File: VL031440.D

Acq: 23 Jan 2018 10:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 59 Resp: 787039

Ion Ratio Lower Upper

59 100

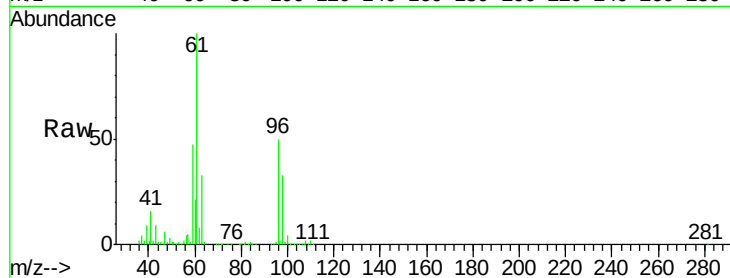
57 10.7 8.6 13.0

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Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

400000

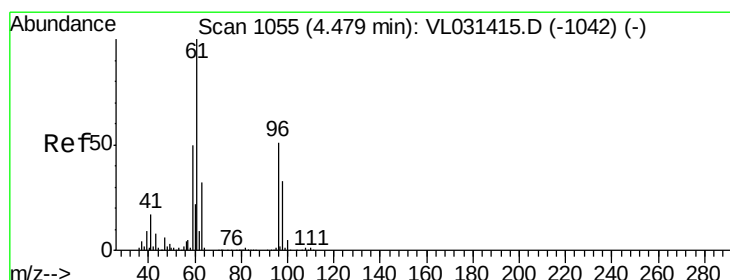
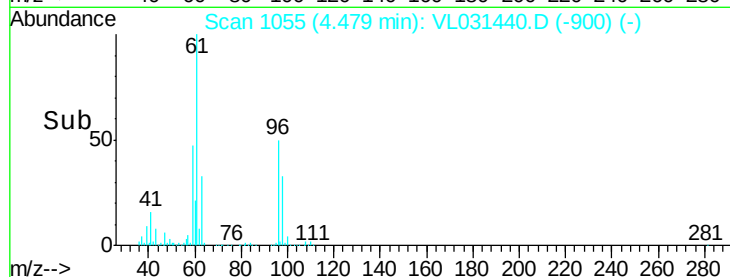
300000

200000

100000

0

Time--> 4.40 4.45 4.50 4.55



#18

1,1-Dichloroethene

Concen: 9.61 ppbv

RT: 4.48 min Scan# 1055

Delta R.T. -0.00 min

Lab File: VL031440.D

Acq: 23 Jan 2018 10:21

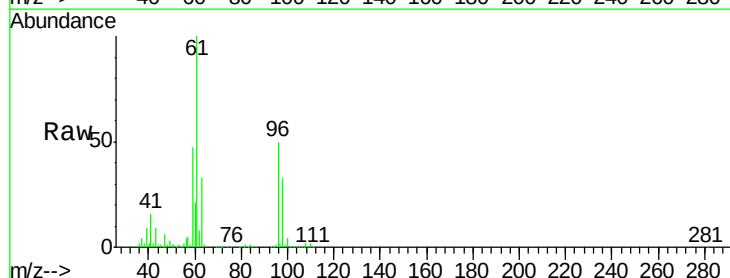
Tgt Ion: 96 Resp: 631819

Ion Ratio Lower Upper

96 100

61 200.7 161.6 242.4

98 65.3 49.6 74.4



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

1000000

800000

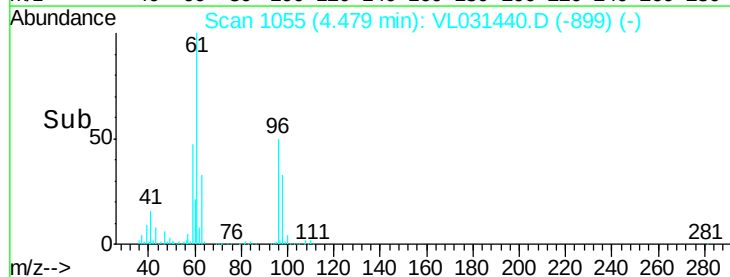
600000

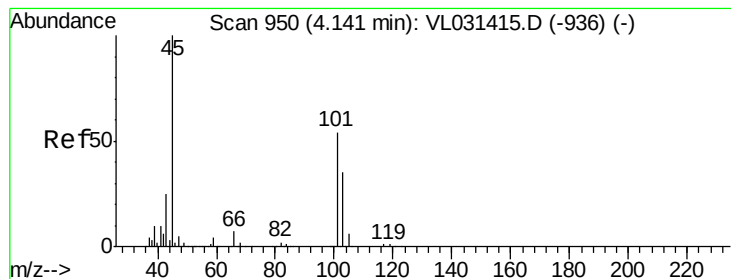
400000

200000

0

Time--> 4.40 4.45 4.50 4.55





#19

Isopropyl Alcohol

Concen: 9.01 ppbv

RT: 4.14 min Scan# 950

Delta R.T. -0.00 min

Lab File: VL031440.D

Acq: 23 Jan 2018 10:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 45 Resp: 955627

Ion Ratio Lower Upper

45 100

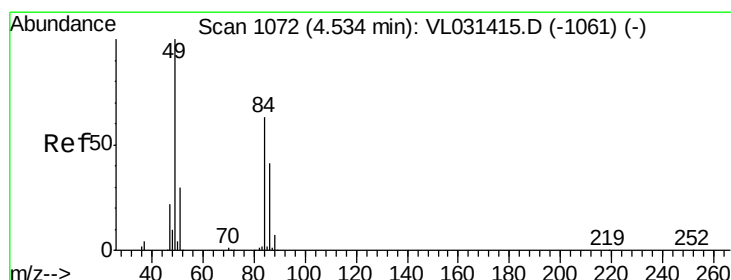
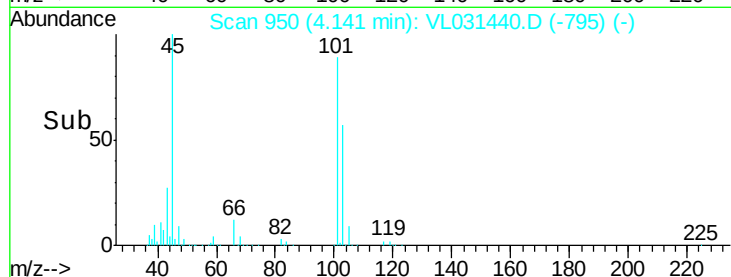
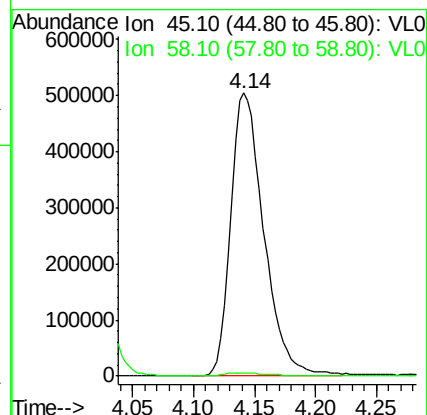
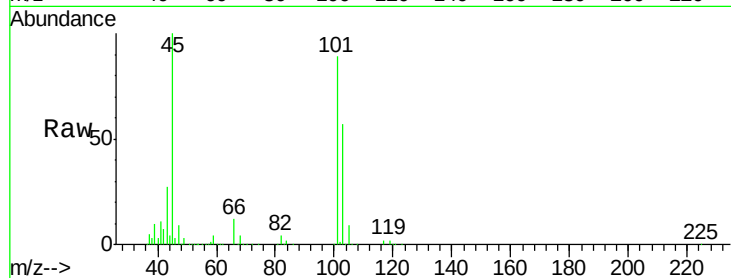
58 1.4 1.0 1.4

Manual Integrations

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MMDadoda

1/24/2018 5:10:37 PM



#20

Methylene Chloride

Concen: 8.69 ppbv

RT: 4.54 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VL031440.D

Acq: 23 Jan 2018 10:21

Tgt Ion: 84 Resp: 572845

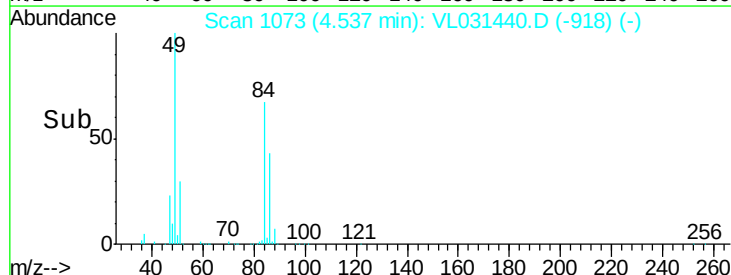
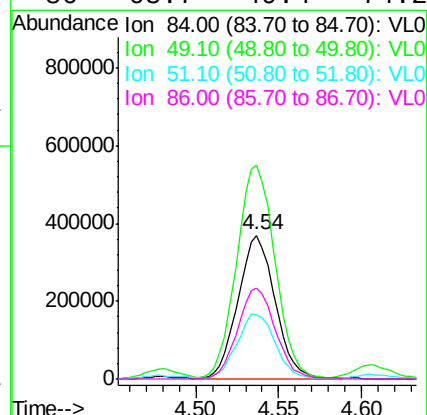
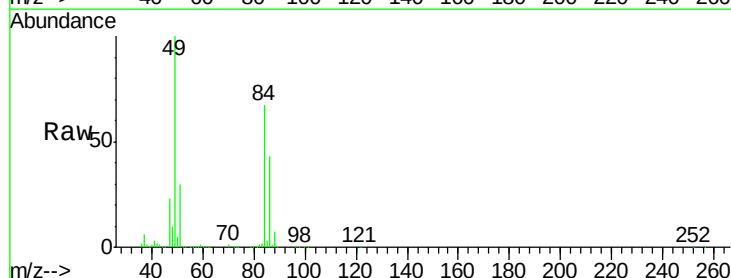
Ion Ratio Lower Upper

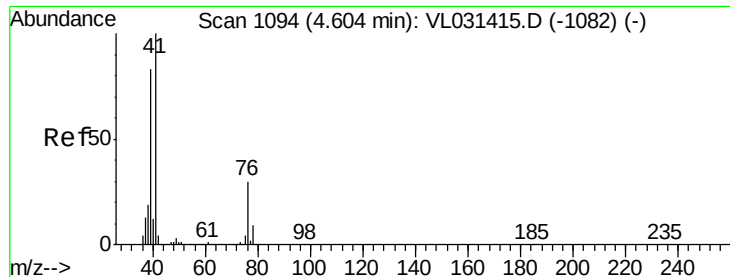
84 100

49 147.3 123.4 185.0

51 43.9 35.6 53.4

86 63.7 49.4 74.2





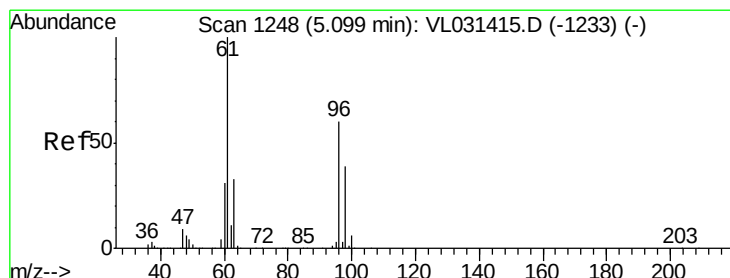
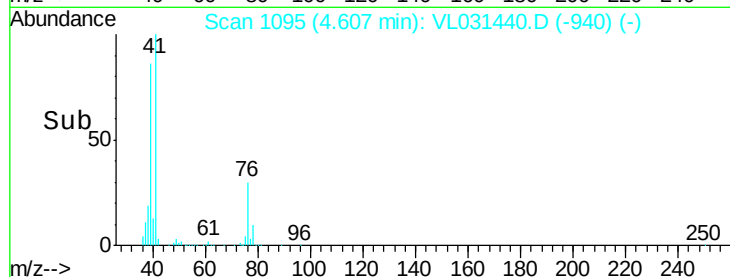
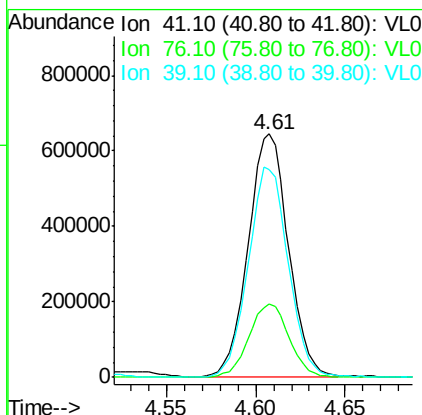
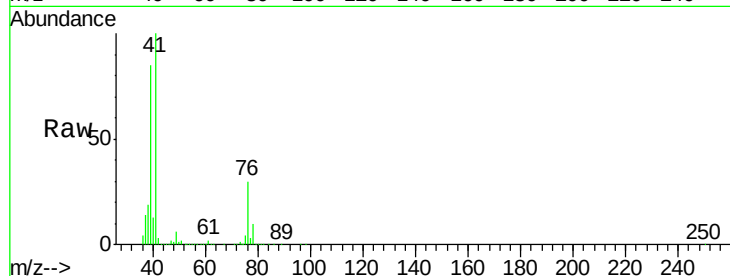
#21
Allvl Chloride
Concen: 9.91 ppbv
RT: 4.61 min Scan# 1095
Delta R.T. -0.00 min
Lab File: VL031440.D
Acq: 23 Jan 2018 10:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 41 Resp: 1010563
Ion Ratio Lower Upper
41 100
76 30.3 24.2 36.2
39 86.5 69.8 104.8

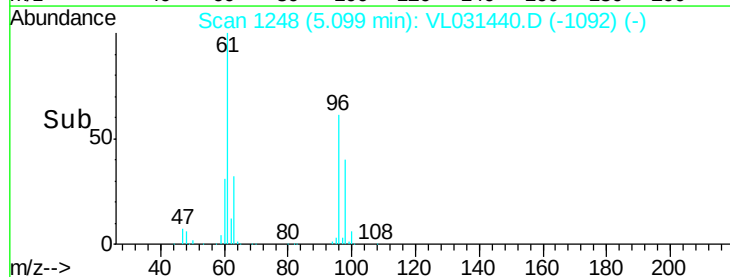
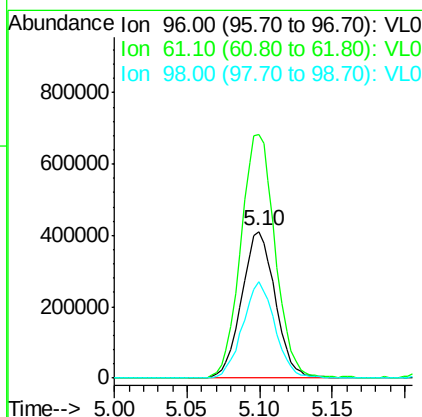
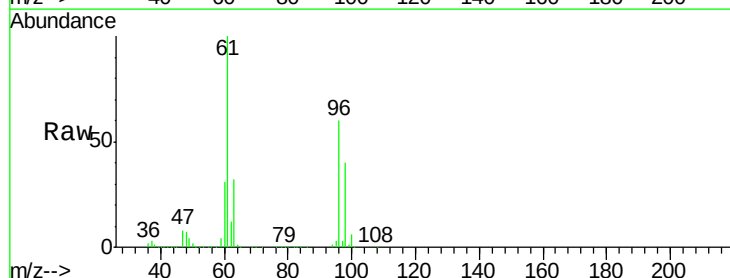
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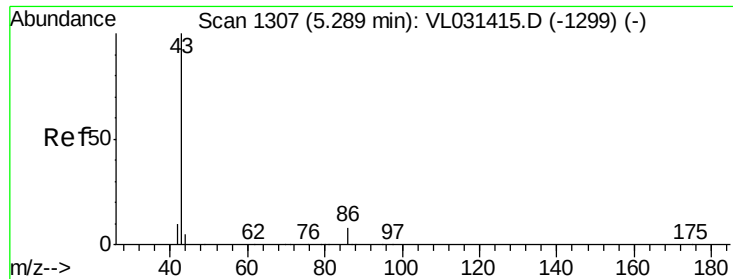
MMDadoda
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#22
trans-1,2-Dichloroethene
Concen: 9.60 ppbv
RT: 5.10 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VL031440.D
Acq: 23 Jan 2018 10:21

Tgt Ion: 96 Resp: 662345
Ion Ratio Lower Upper
96 100
61 165.8 135.0 202.4
98 65.8 52.2 78.2





#23

Vinyl Acetate

Concen: 10.00 ppbv

RT: 5.29 min Scan# 1308

Delta R.T. -0.00 min

Lab File: VL031440.D

Acq: 23 Jan 2018 10:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 2053779

Ion Ratio Lower Upper

43 100

86 7.1 5.6 8.4

42 10.5 8.6 12.8

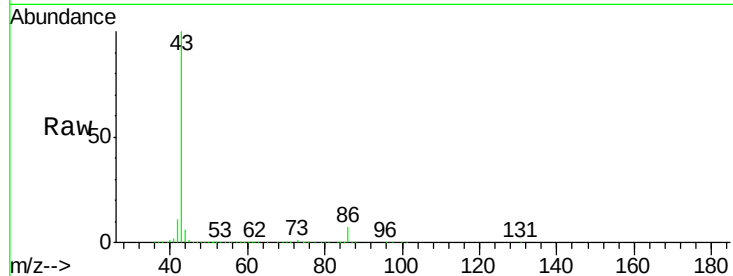
44 5.7 4.2 6.4

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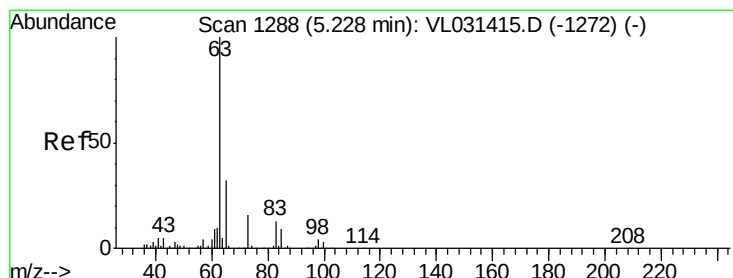
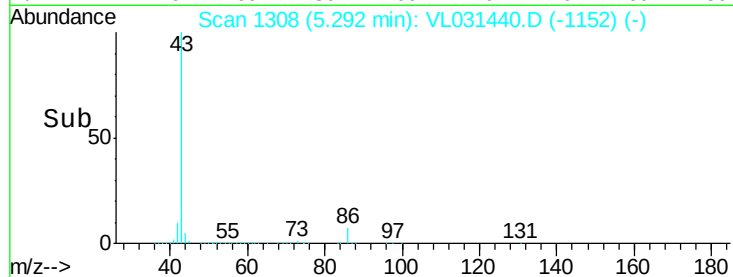
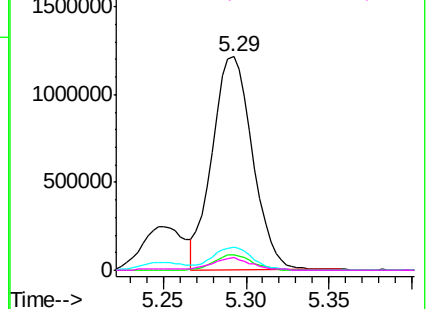


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.49 ppbv

RT: 5.23 min Scan# 1289

Delta R.T. -0.00 min

Lab File: VL031440.D

Acq: 23 Jan 2018 10:21

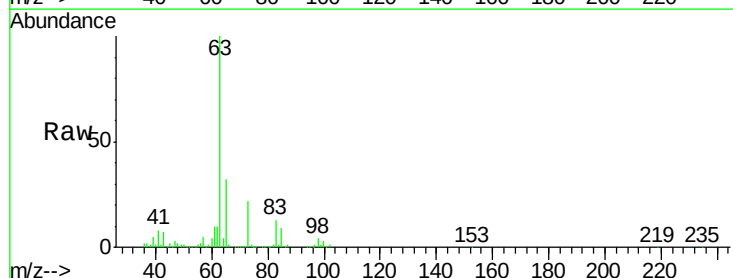
Tgt Ion: 63 Resp: 1700755

Ion Ratio Lower Upper

63 100

98 4.3 2.4 7.1

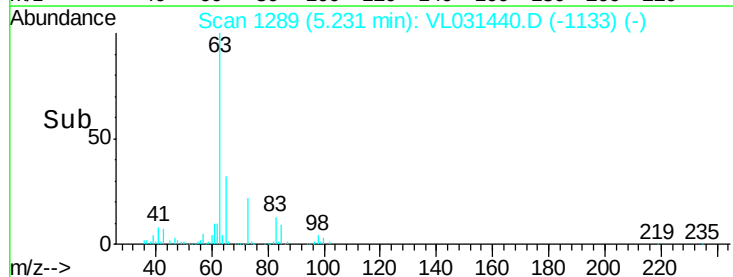
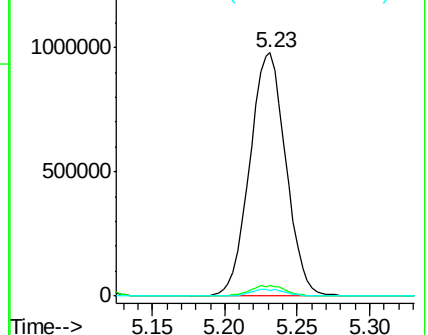
100 2.5 1.3 3.9

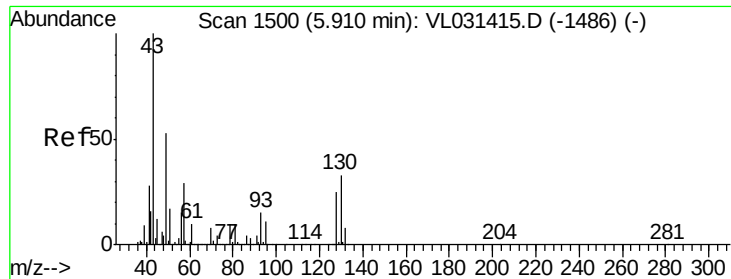


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





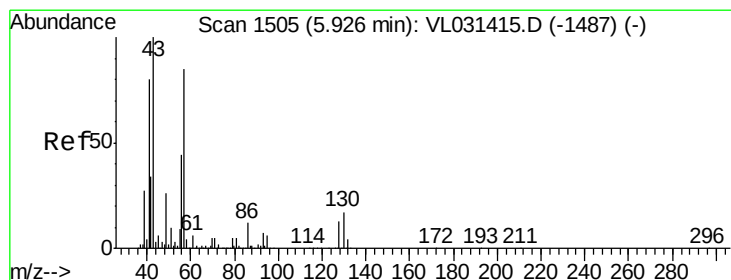
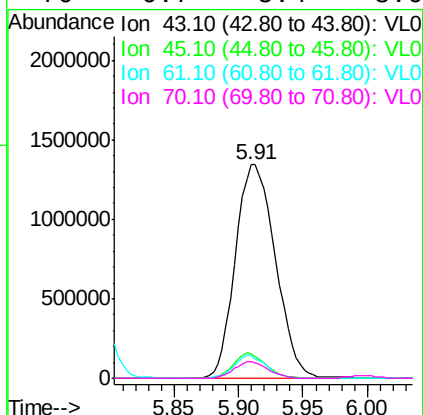
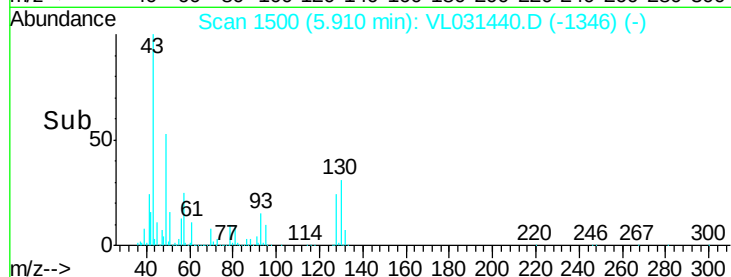
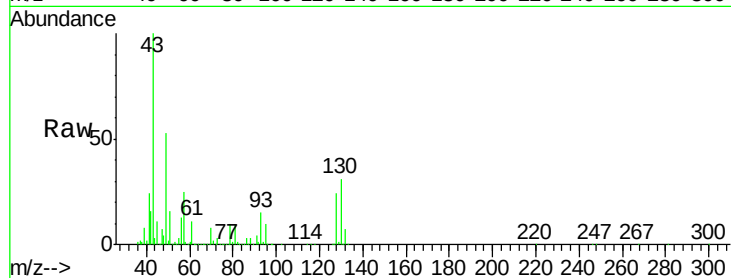
#25
Ethyl Acetate
Concen: 9.56 ppbv
RT: 5.91 min Scan# 1500
Delta R.T. -0.00 min
Lab File: VL031440.D
Acq: 23 Jan 2018 10:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	43	Resp	2893238
Ion	Ratio	Lower	Upper
43	100		
45	9.7	7.8	11.6
61	8.7	7.0	10.6
70	6.7	5.4	8.0

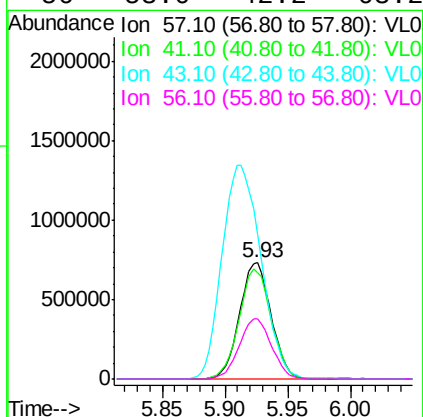
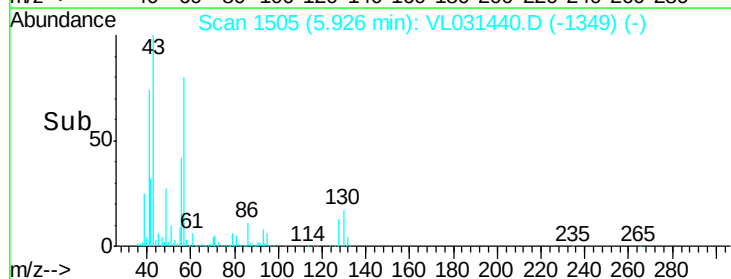
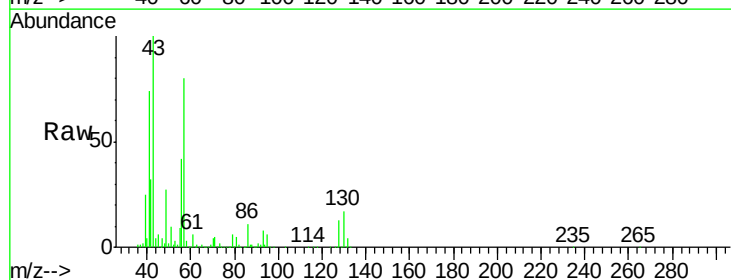
Manual Integrations
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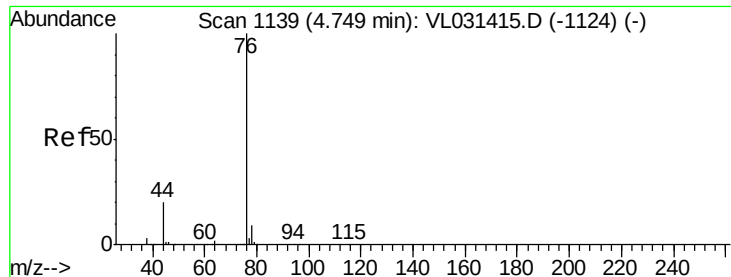
MMDadoda
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#26
Hexane
Concen: 9.48 ppbv
RT: 5.93 min Scan# 1505
Delta R.T. -0.00 min
Lab File: VL031440.D
Acq: 23 Jan 2018 10:21

Tgt Ion	57	Resp	1277055
Ion	Ratio	Lower	Upper
57	100		
41	96.7	77.1	115.7
43	227.4	180.7	271.1
56	53.0	42.2	63.2





#27

Carbon Disulfide

Concen: 10.19 ppbv

RT: 4.75 min Scan# 1140

Delta R.T. -0.00 min

Lab File: VL031440.D

Acq: 23 Jan 2018 10:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 76 Resp: 1805015

Ion Ratio Lower Upper

76 100

44 20.6 16.7 25.1

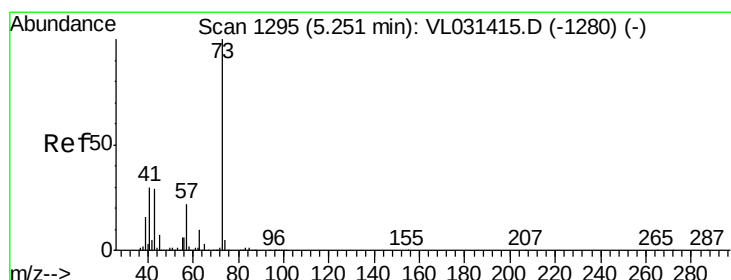
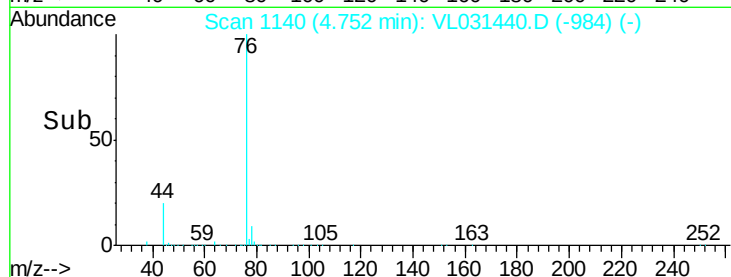
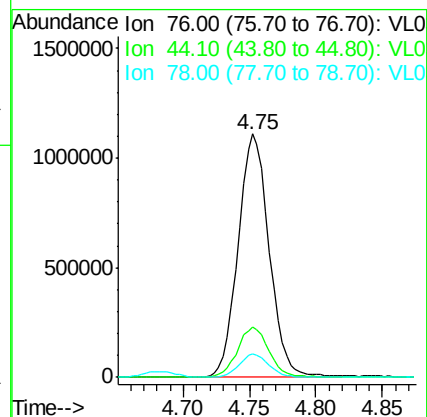
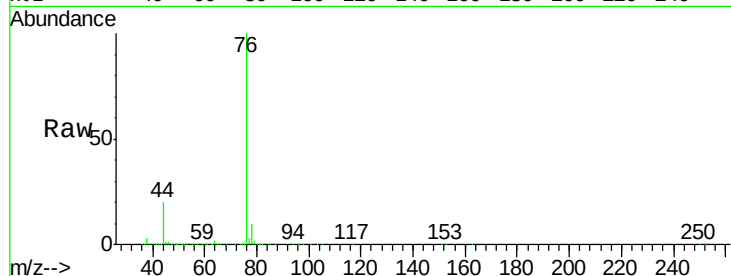
78 9.3 7.5 11.3

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#28

Methyl tert-Butyl Ether

Concen: 9.95 ppbv

RT: 5.25 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VL031440.D

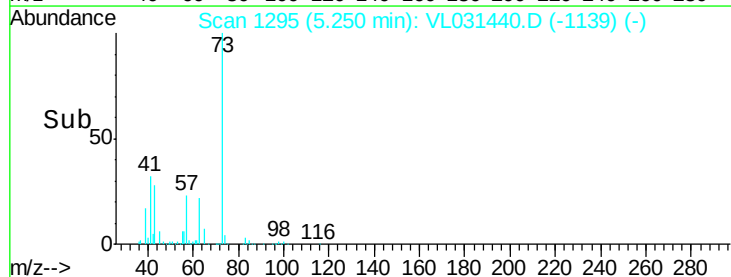
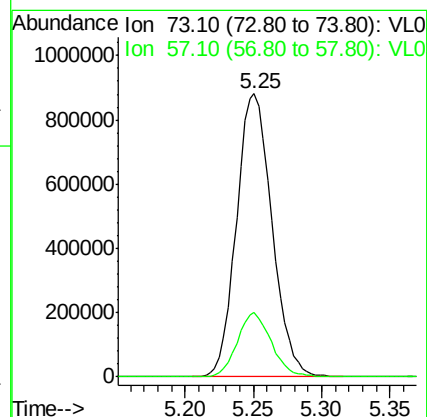
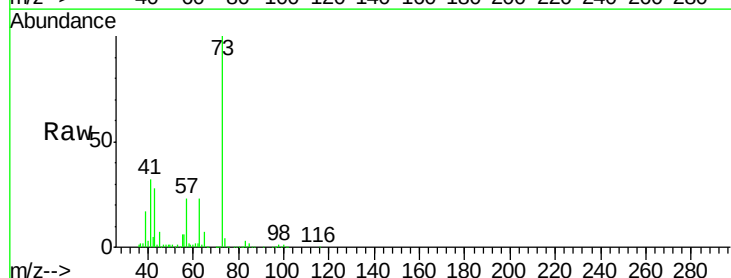
Acq: 23 Jan 2018 10:21

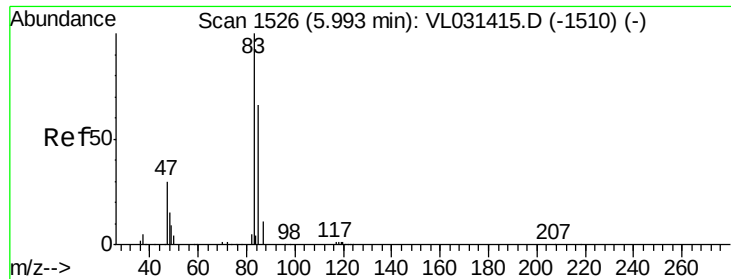
Tgt Ion: 73 Resp: 1589487

Ion Ratio Lower Upper

73 100

57 22.0 17.5 26.3





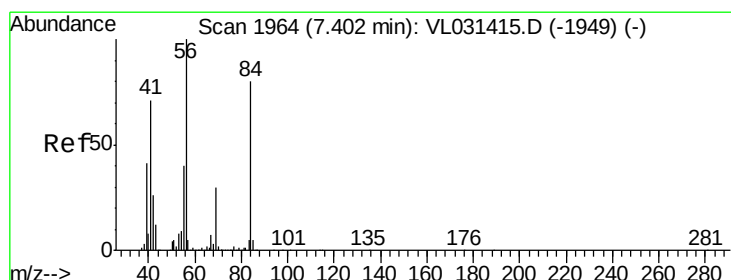
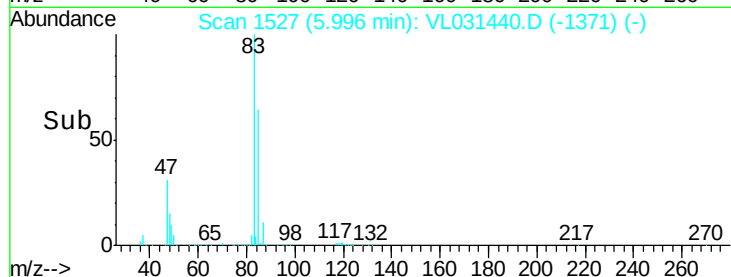
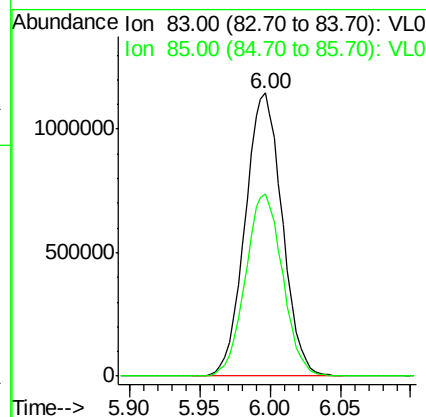
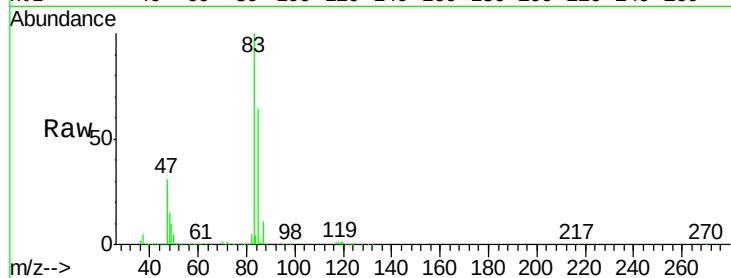
#29
Chloroform
Concen: 9.08 ppbv
RT: 6.00 min Scan# 1527
Delta R.T. 0.00 min
Lab File: VL031440.D
Acq: 23 Jan 2018 10:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 2109185
Ion Ratio Lower Upper
83 100
85 64.3 51.3 76.9

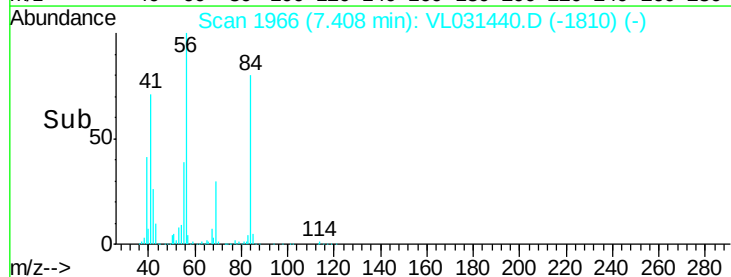
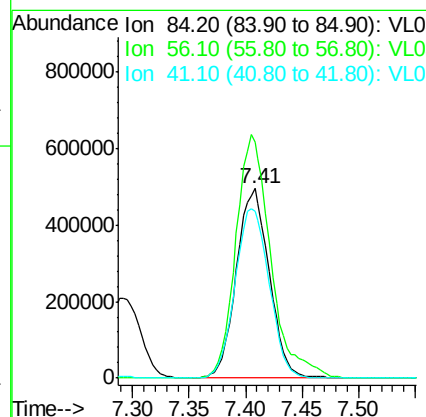
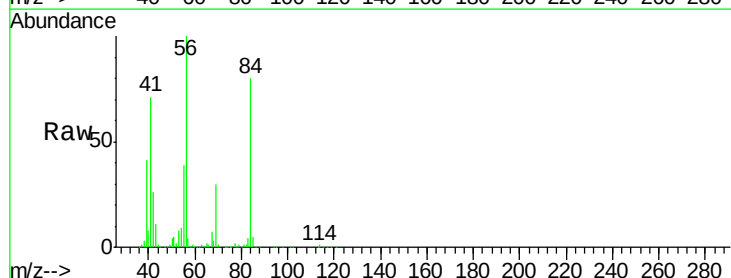
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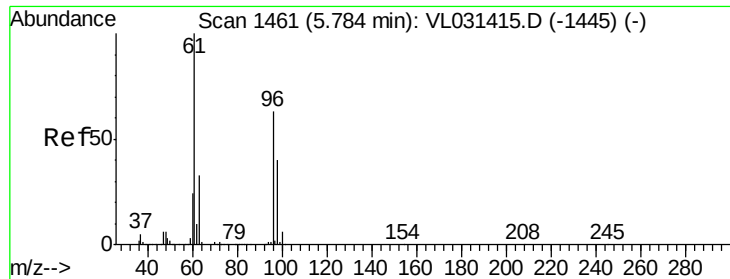
MMDadoda
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#30
Cyclohexane
Concen: 9.76 ppbv
RT: 7.41 min Scan# 1966
Delta R.T. 0.00 min
Lab File: VL031440.D
Acq: 23 Jan 2018 10:21

Tgt Ion: 84 Resp: 1005336
Ion Ratio Lower Upper
84 100
56 135.9 109.0 163.4
41 92.9 73.3 109.9





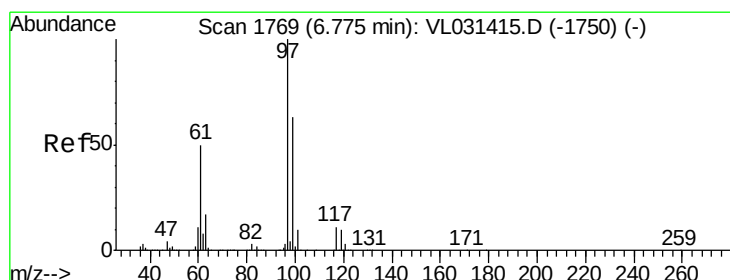
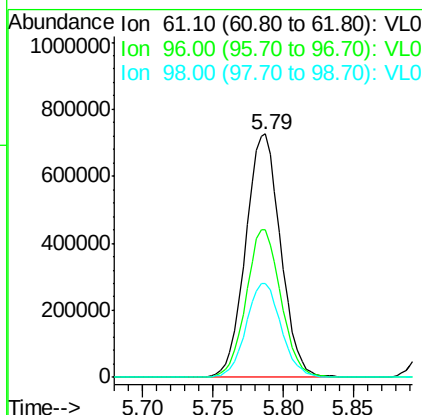
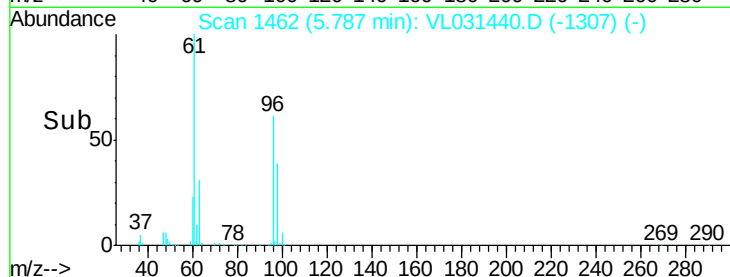
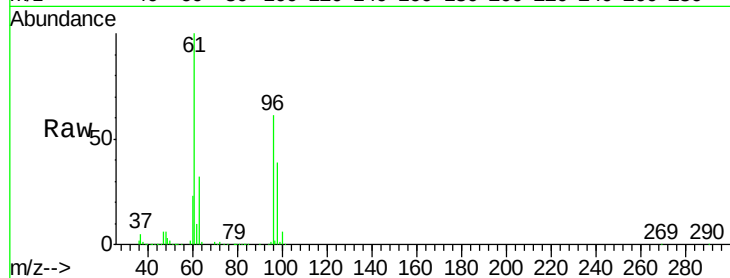
#31
 cis-1,2-Dichloroethene
 Concen: 9.90 ppbv
 RT: 5.79 min Scan# 1462
 Delta R.T. -0.00 min
 Lab File: VL031440.D
 Acq: 23 Jan 2018 10:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
61	100		
96	60.8	51.3	76.9
98	38.7	33.6	50.4

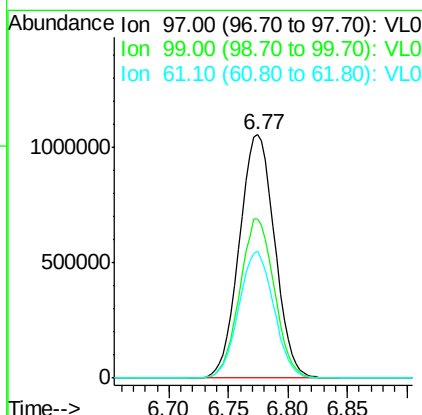
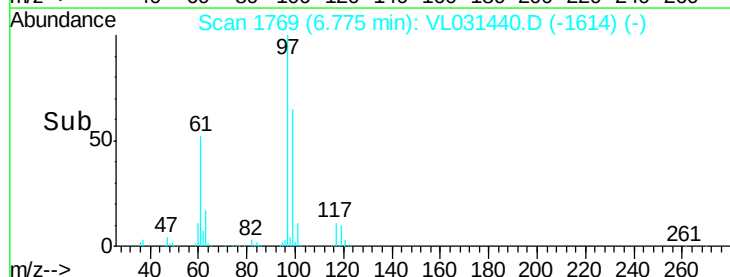
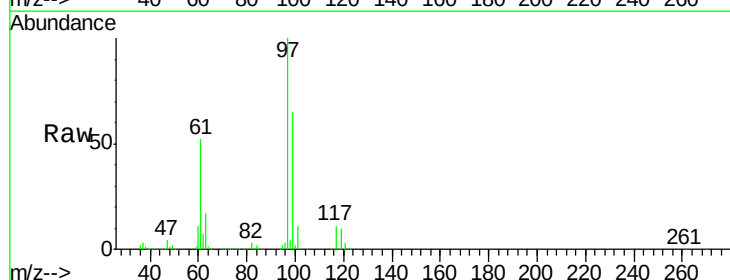
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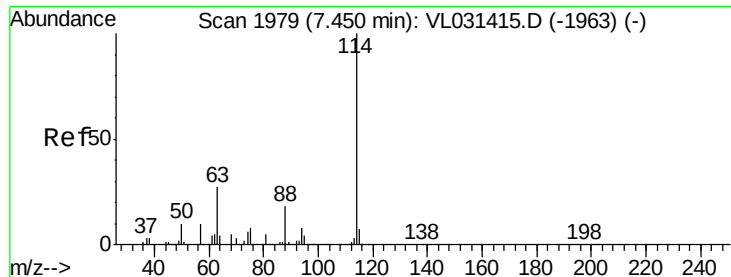
MMDadoda
 1/24/2018 5:10:37 PM



#32
 1,1,1-Trichloroethane
 Concen: 9.58 ppbv
 RT: 6.77 min Scan# 1769
 Delta R.T. -0.00 min
 Lab File: VL031440.D
 Acq: 23 Jan 2018 10:21

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.9	77.9
61	51.6	40.6	61.0





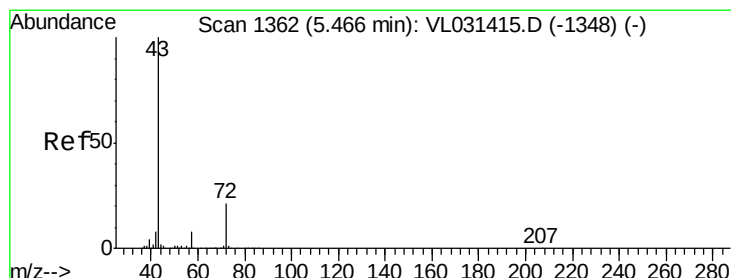
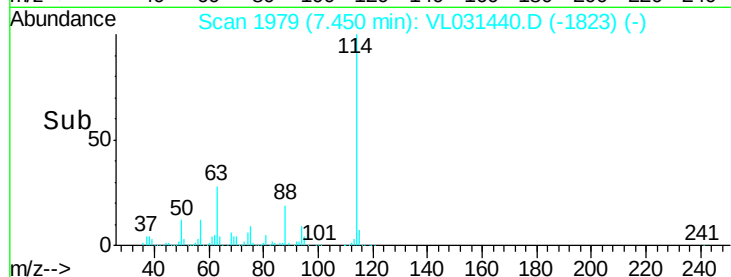
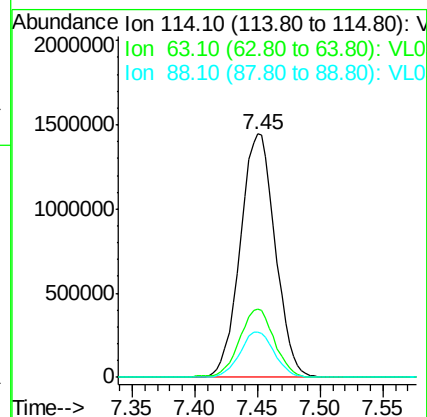
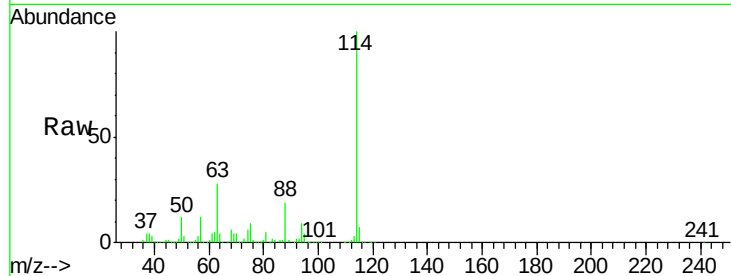
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.45 min Scan# 1979
 Delta R.T. 0.00 min
 Lab File: VL031440.D
 Acq: 23 Jan 2018 10:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
114	100		
63	28.4	22.5	33.7
88	18.4	14.6	22.0

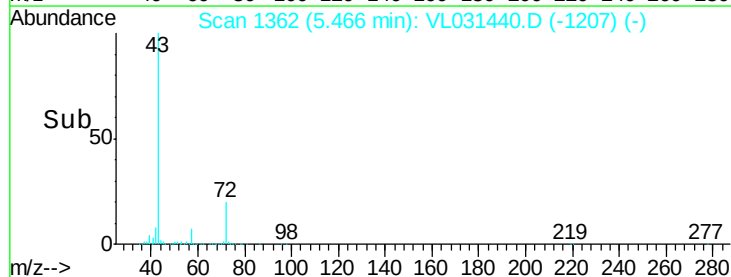
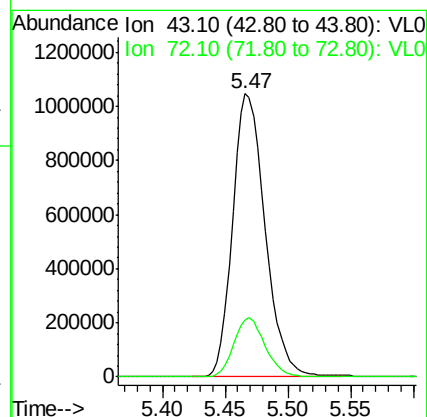
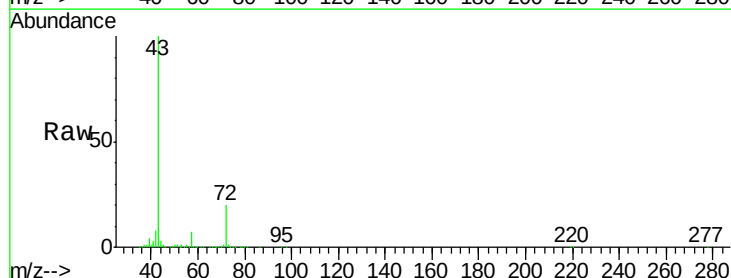
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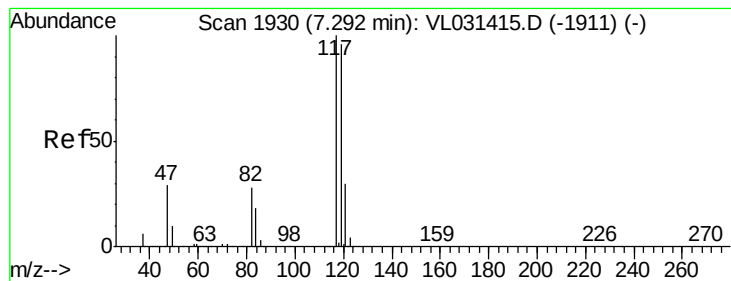
MMDadoda
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#34
 2-Butanone
 Concen: 10.59 ppbv
 RT: 5.47 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VL031440.D
 Acq: 23 Jan 2018 10:21

Tgt Ion	Ratio	Lower	Upper
43	100		
72	20.4	16.8	25.2





#35

Carbon Tetrachloride

Concen: 10.48 ppbv

RT: 7.29 min Scan# 1930

Delta R.T. 0.00 min

Lab File: VL031440.D

Acq: 23 Jan 2018 10:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:117 Resp: 2373142

Ion Ratio Lower Upper

117 100

119 95.3 74.2 111.4

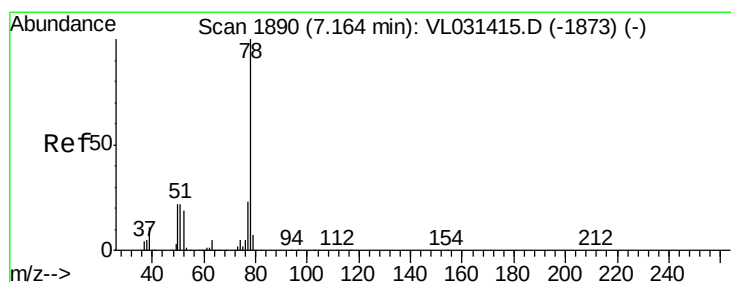
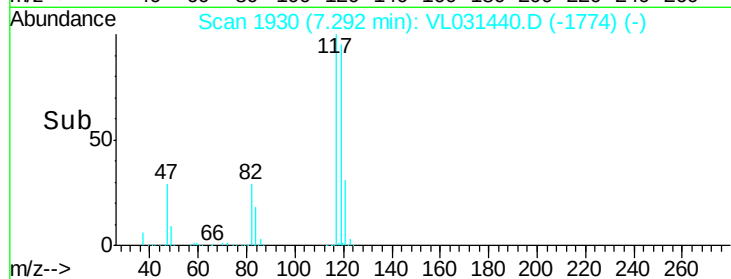
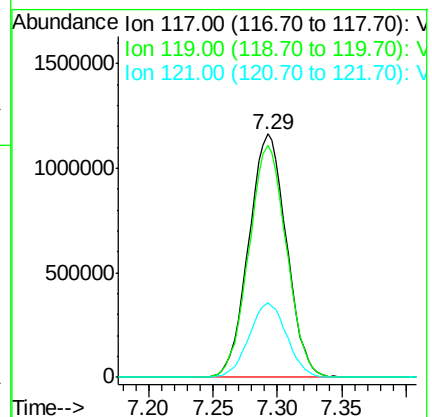
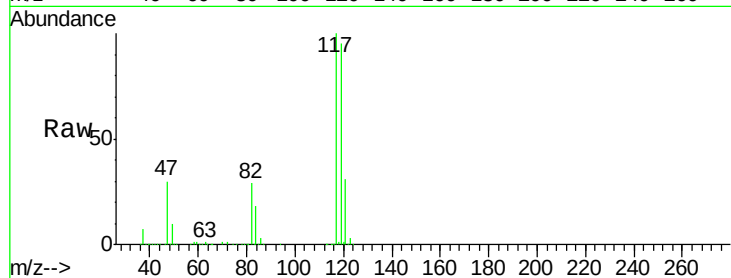
121 30.7 24.2 36.4

Manual Integrations

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#36

Benzene

Concen: 9.87 ppbv

RT: 7.16 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VL031440.D

Acq: 23 Jan 2018 10:21

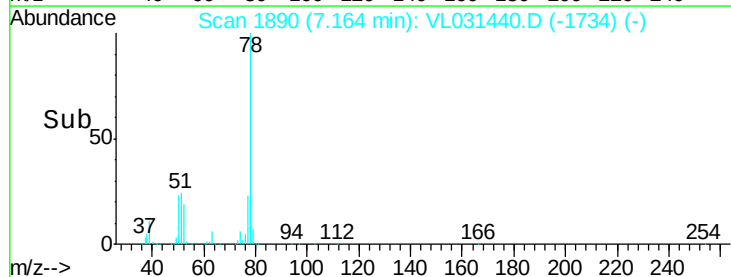
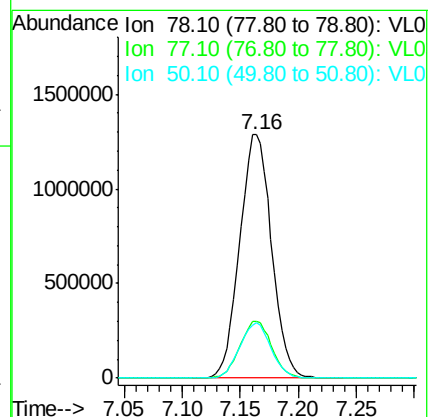
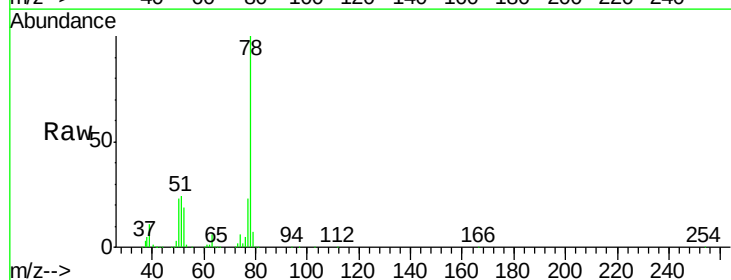
Tgt Ion: 78 Resp: 2455106

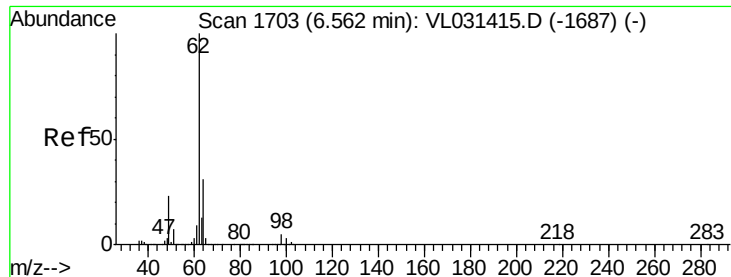
Ion Ratio Lower Upper

78 100

77 23.4 18.7 28.1

50 22.9 18.4 27.6





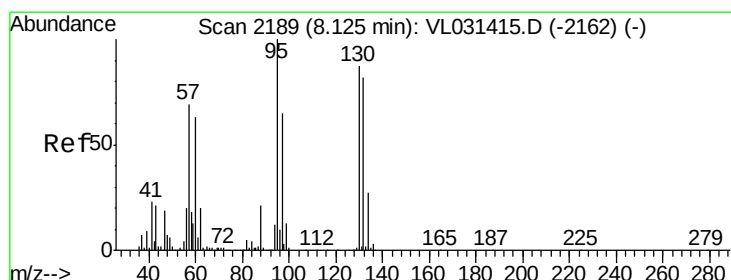
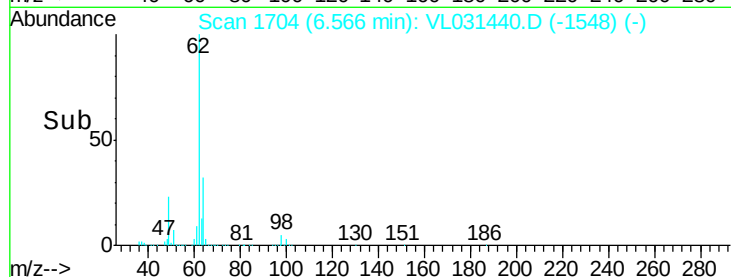
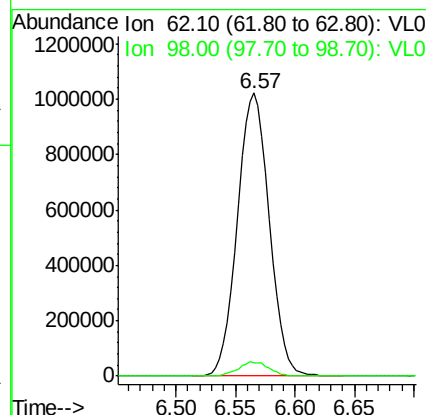
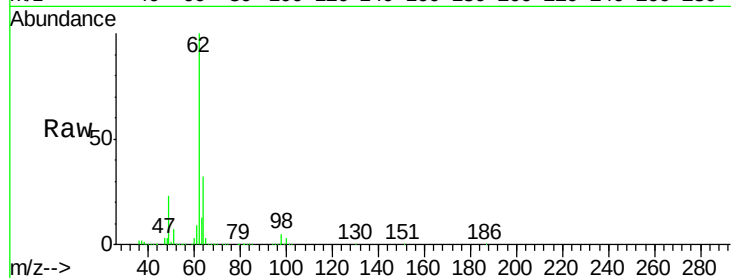
#37
 1,2-Dichloroethane
 Concen: 9.84 ppbv
 RT: 6.57 min Scan# 1704
 Delta R.T. -0.00 min
 Lab File: VL031440.D
 Acq: 23 Jan 2018 10:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
62	100		
98	5.0	4.1	6.1

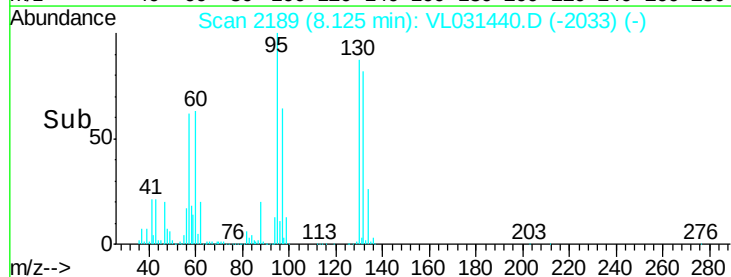
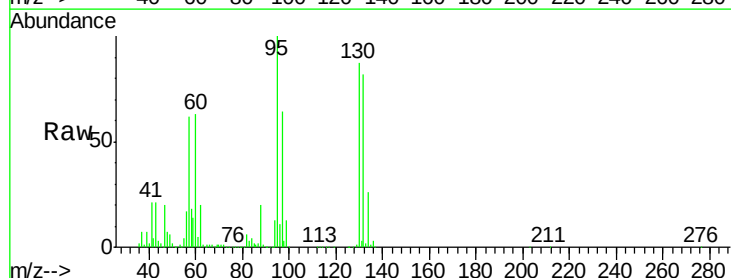
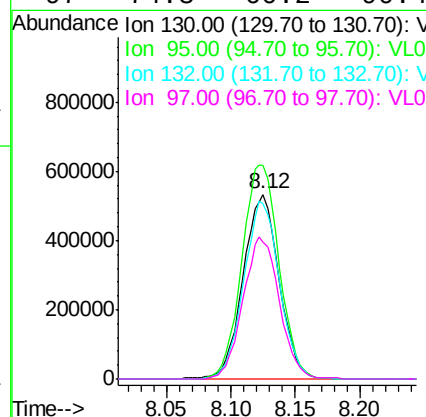
Manual Integrations
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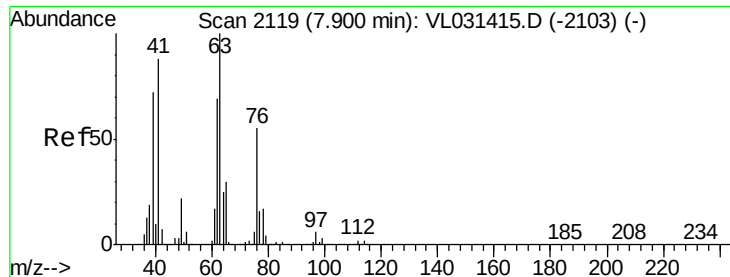
MMDadoda
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#38
 Trichloroethene
 Concen: 10.69 ppbv
 RT: 8.12 min Scan# 2189
 Delta R.T. -0.00 min
 Lab File: VL031440.D
 Acq: 23 Jan 2018 10:21

Tgt Ion	Ratio	Lower	Upper
130	100		
95	115.5	92.9	139.3
132	94.8	74.9	112.3
97	74.3	60.2	90.4





#39

1,2-Dichloropropane

Concen: 9.54 ppbv

RT: 7.90 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VL031440.D

Acq: 23 Jan 2018 10:21

Instrument :

MSVOA_L

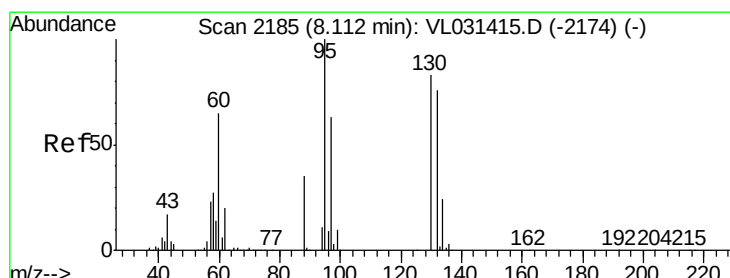
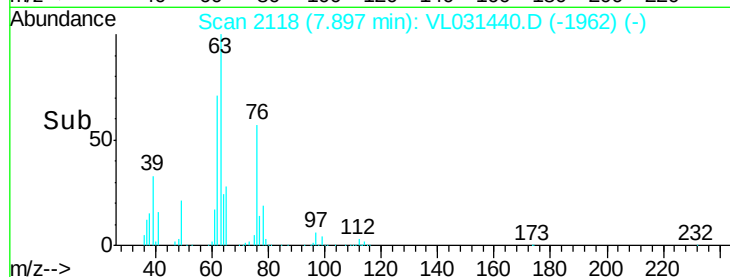
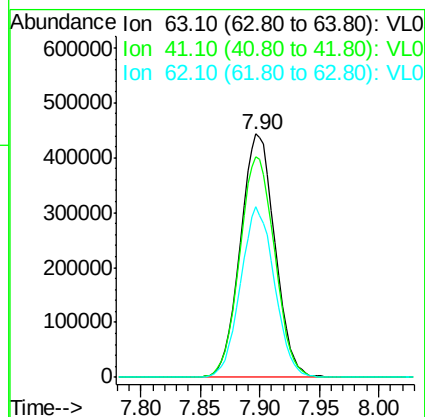
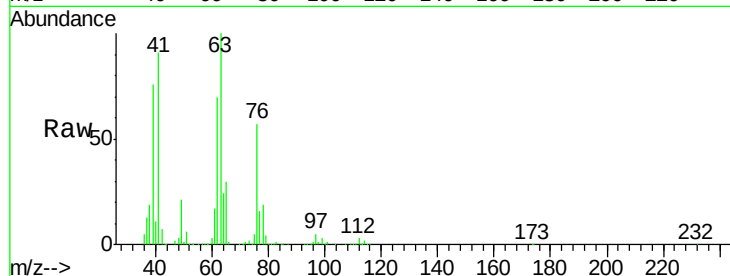
ClientSampleId :

VSTDCCC010EC

Tot Ion:	63	Resp:	890759
Ion	Ratio	Lower	Upper
63	100		
41	90.8	67.6	101.4
62	70.0	51.8	77.6

Manual Integrations
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#40

1,4-Dioxane

Concen: 9.82 ppbv

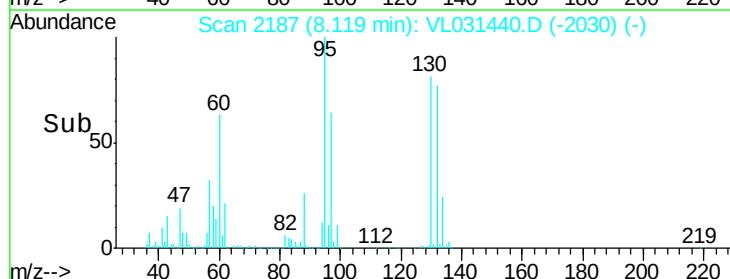
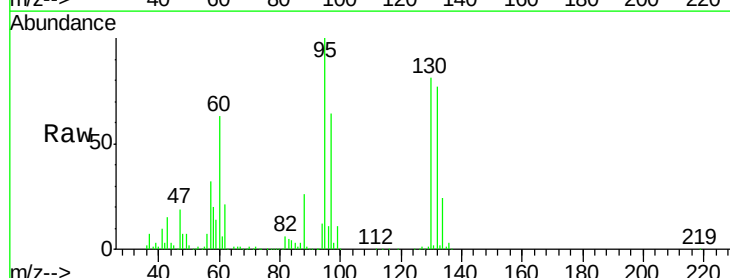
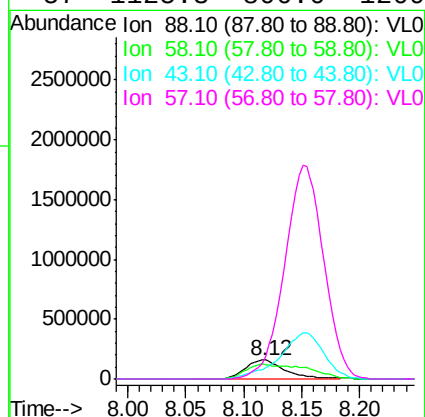
RT: 8.12 min Scan# 2187

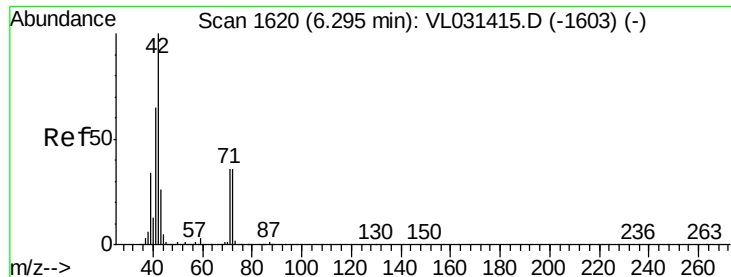
Delta R.T. 0.01 min

Lab File: VL031440.D

Acq: 23 Jan 2018 10:21

Tgt Ion:	88	Resp:	374352
Ion	Ratio	Lower	Upper
88	100		
58	127.2	98.2	147.2
43	274.5	197.3	295.9
57	1125.3	806.0	1209.0





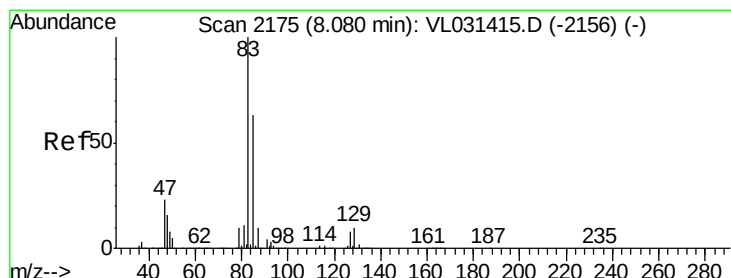
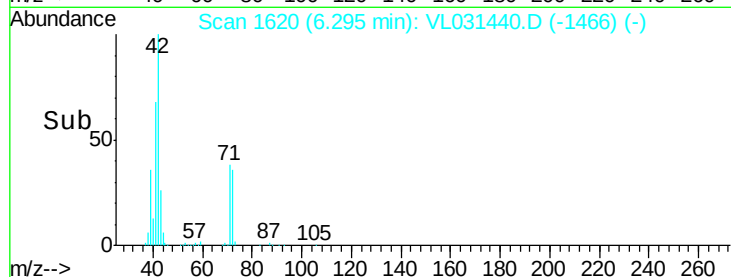
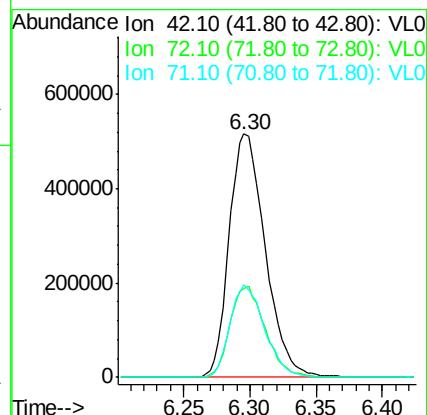
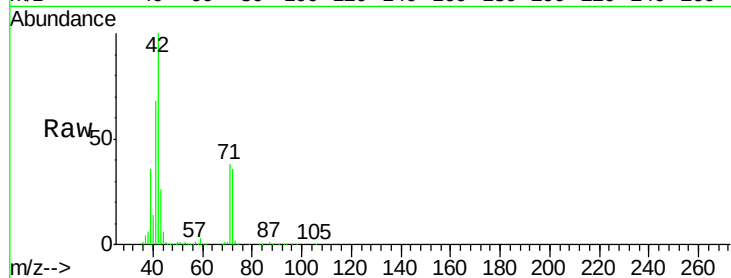
#41
Tetrahydrofuran
Concen: 9.99 ppbv
RT: 6.30 min Scan# 1620
Delta R.T. -0.00 min
Lab File: VL031440.D
Acq: 23 Jan 2018 10:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.6	30.4	45.6
71	36.7	29.2	43.8

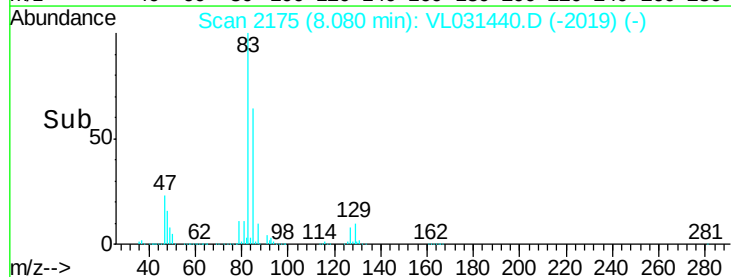
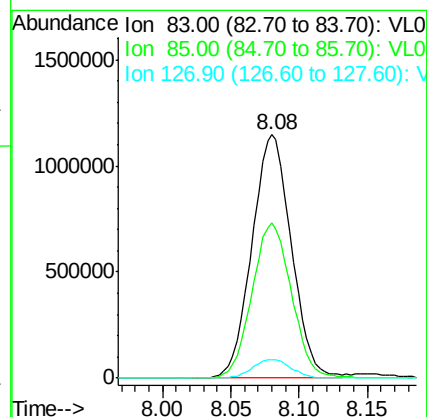
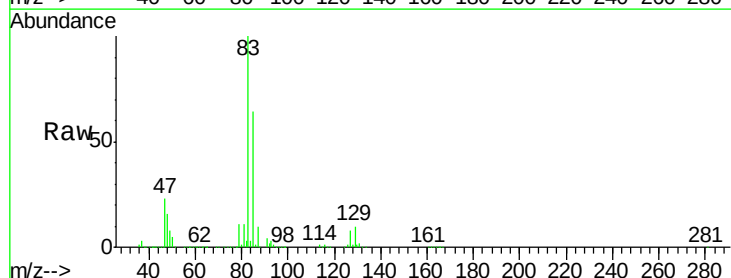
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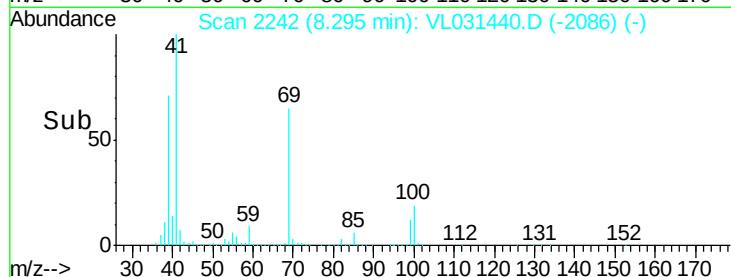
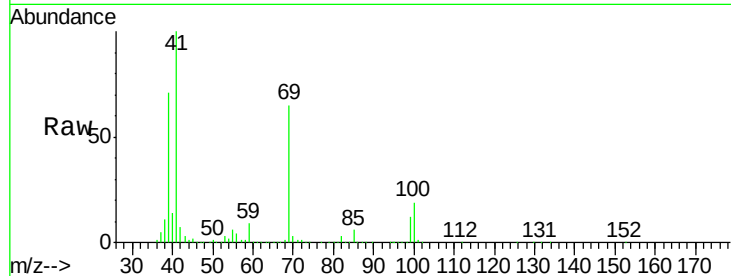
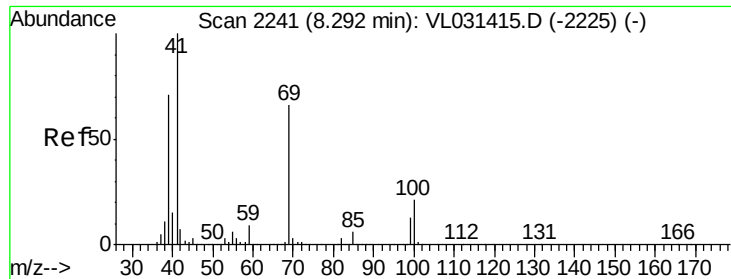
MMDadoda
1/24/2018 5:10:37 PM



#42
Bromodichloromethane
Concen: 9.93 ppbv
RT: 8.08 min Scan# 2175
Delta R.T. 0.00 min
Lab File: VL031440.D
Acq: 23 Jan 2018 10:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	52.1	78.1
127	7.7	6.6	10.0





#43

Methyl Methacrylate

Concen: 10.57 ppbv

RT: 8.30 min Scan# 2242

Delta R.T. -0.00 min

Lab File: VL031440.D

Acq: 23 Jan 2018 10:21

Tot Ion:	69	Resp:	960859
Ion Ratio	Lower	Upper	
69	100		
41	159.1	127.0	190.6
100	30.6	24.6	37.0

Instrument :

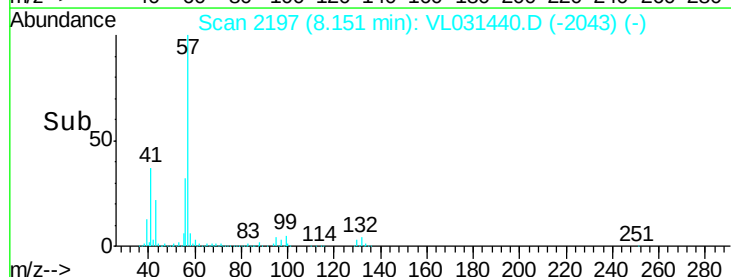
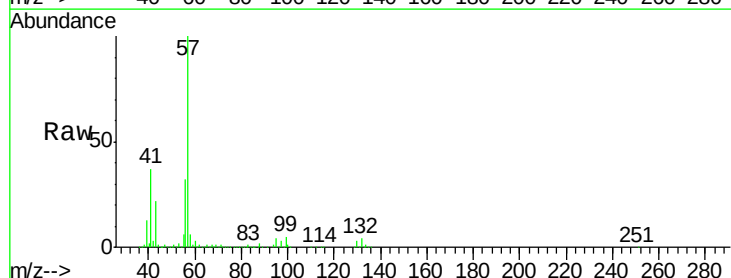
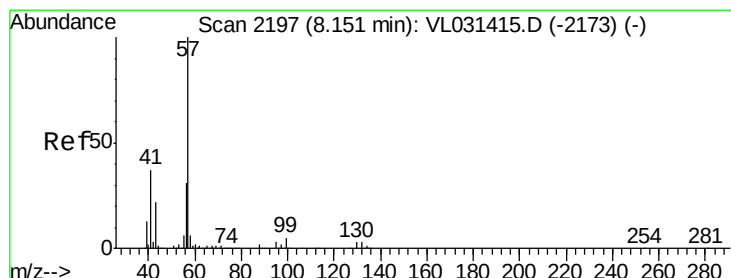
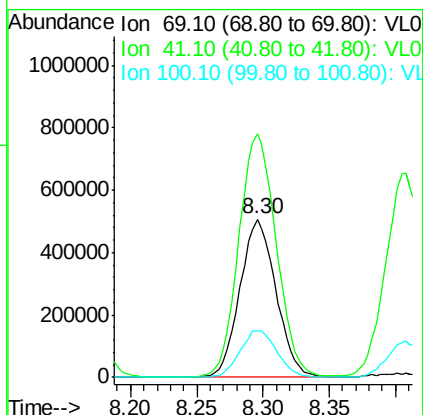
MSVOA_L

ClientSampleId :

VSTDCCC010EC

Manual Integrations
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#44

2,2,4-Trimethylpentane

Concen: 9.92 ppbv

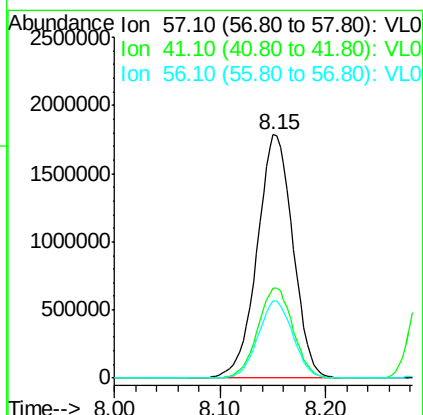
RT: 8.15 min Scan# 2197

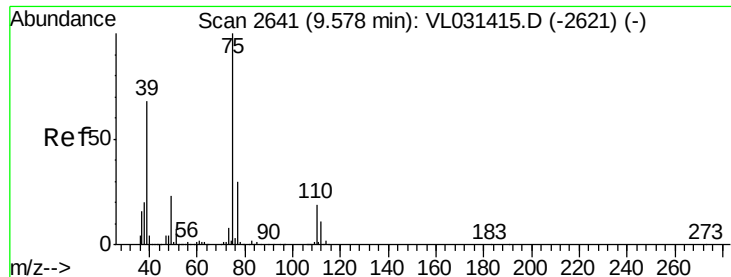
Delta R.T. -0.00 min

Lab File: VL031440.D

Acq: 23 Jan 2018 10:21

Tgt Ion:	57	Resp:	4207075
Ion Ratio	Lower	Upper	
57	100		
41	36.6	28.8	43.2
56	30.8	24.6	37.0





#45

t-1,3-Dichloropropene

Concen: 10.68 ppbv

RT: 9.58 min Scan# 2642

Delta R.T. -0.00 min

Lab File: VL031440.D

Acq: 23 Jan 2018 10:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 75 Resp: 1391818

Ion Ratio Lower Upper

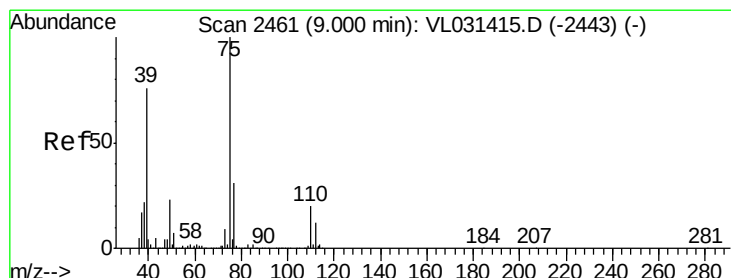
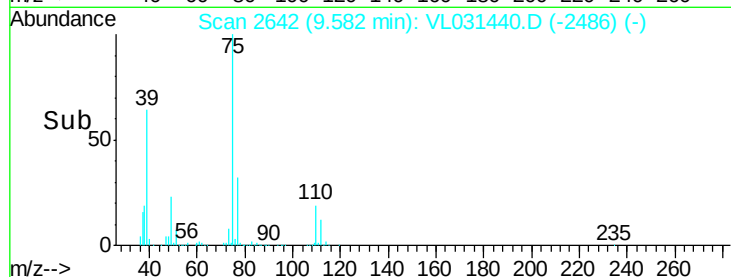
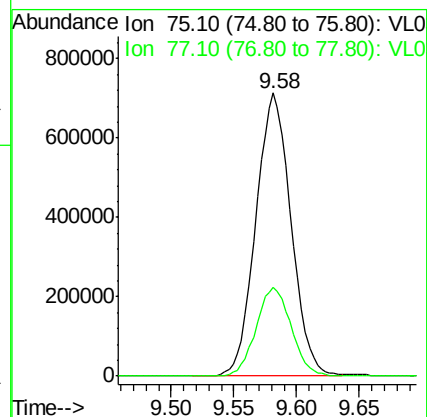
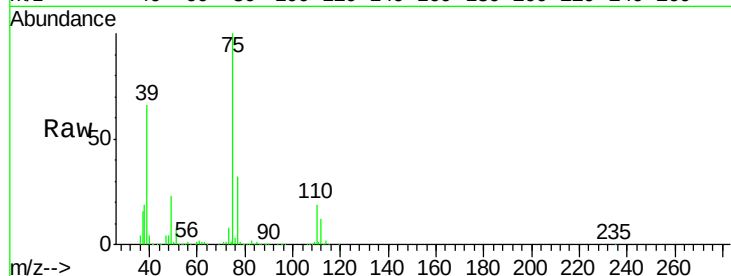
75 100

77 31.5 25.3 37.9

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#46

cis-1,3-Dichloropropene

Concen: 10.54 ppbv

RT: 9.00 min Scan# 2461

Delta R.T. -0.00 min

Lab File: VL031440.D

Acq: 23 Jan 2018 10:21

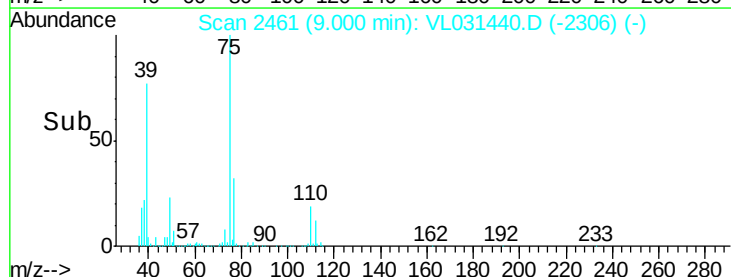
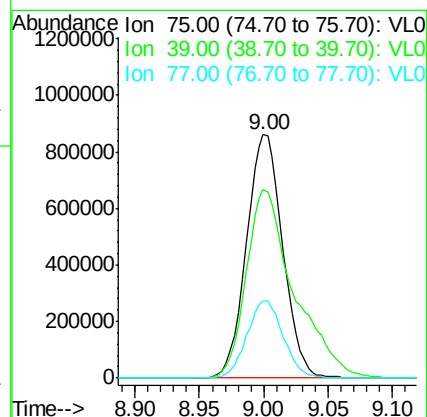
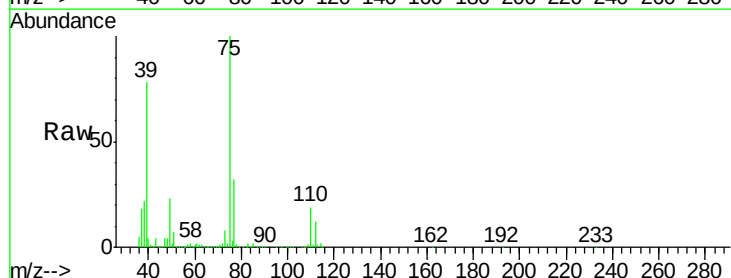
Tgt Ion: 75 Resp: 1685423

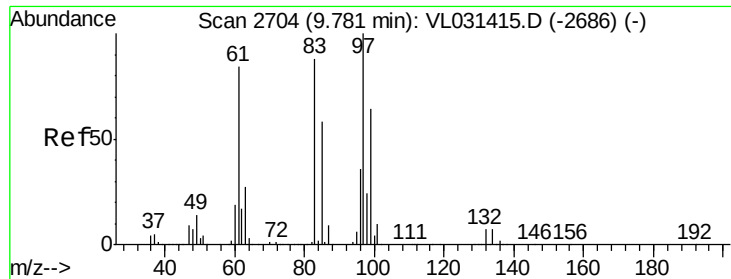
Ion Ratio Lower Upper

75 100

39 77.5 59.4 89.0

77 31.6 25.0 37.4





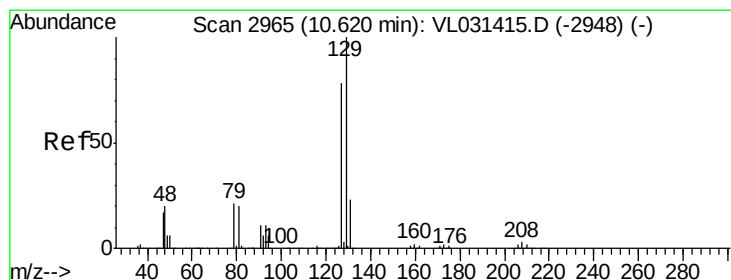
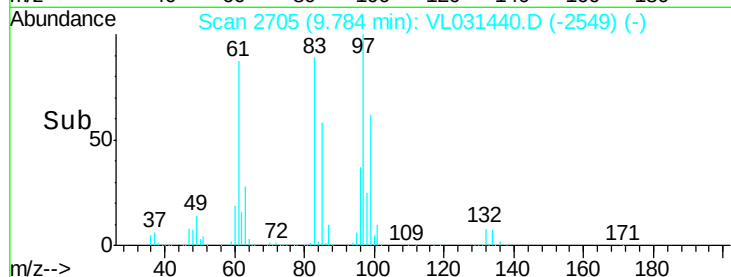
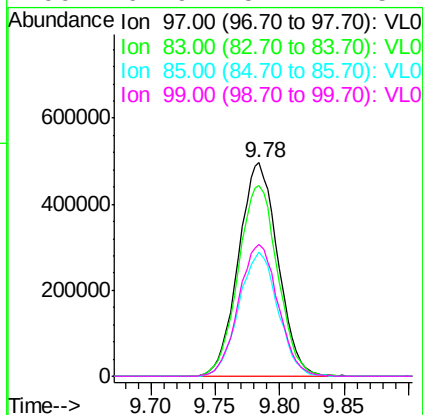
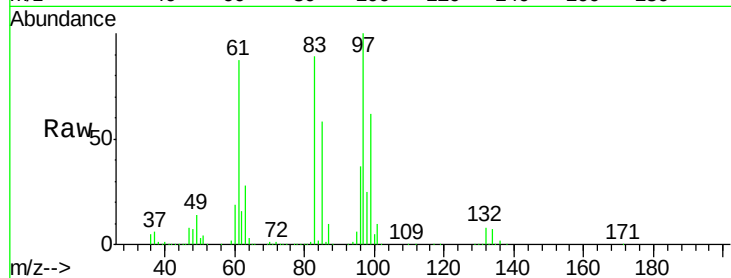
#47
 1,1,2-Trichloroethane
 Concen: 9.63 ppbv
 RT: 9.78 min Scan# 2705
 Delta R.T. -0.00 min
 Lab File: VL031440.D
 Acq: 23 Jan 2018 10:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
97	100		
83	89.2	71.4	107.2
85	57.9	46.2	69.2
99	61.9	52.2	78.2

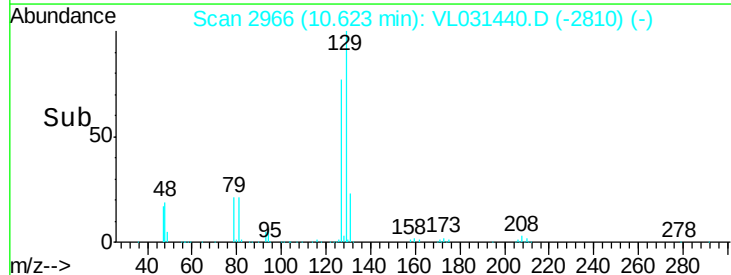
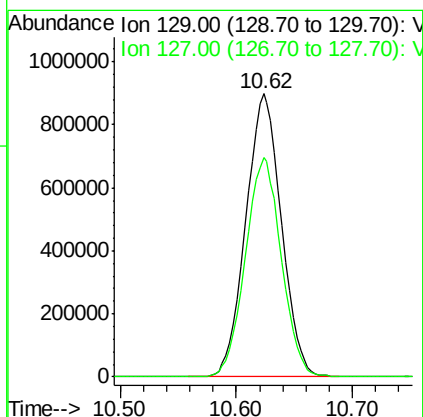
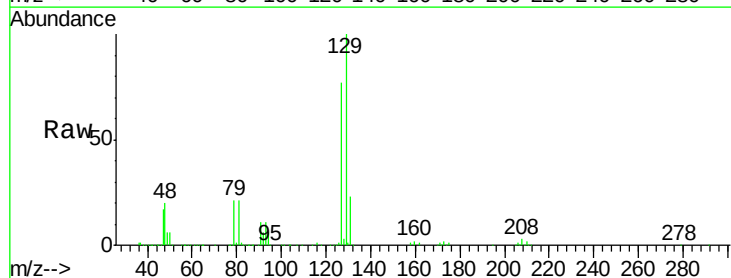
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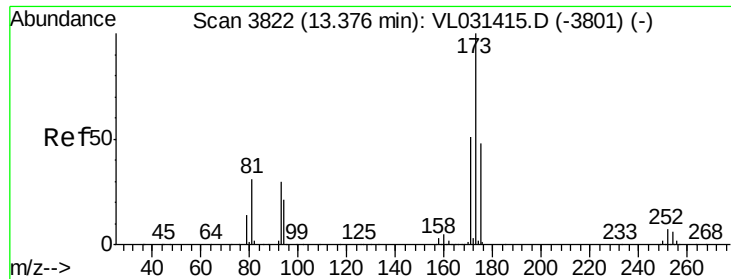
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#48
 Dibromochloromethane
 Concen: 9.84 ppbv
 RT: 10.62 min Scan# 2966
 Delta R.T. -0.00 min
 Lab File: VL031440.D
 Acq: 23 Jan 2018 10:21

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.0	39.4	118.1





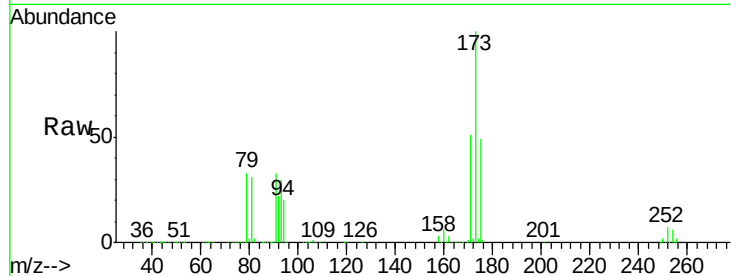
#49
Bromoform
Concen: 9.83 ppbv
RT: 13.38 min Scan# 3823
Delta R.T. -0.00 min
Lab File: VL031440.D
Acq: 23 Jan 2018 10:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

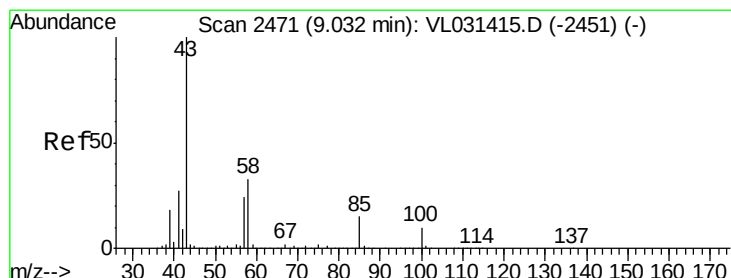
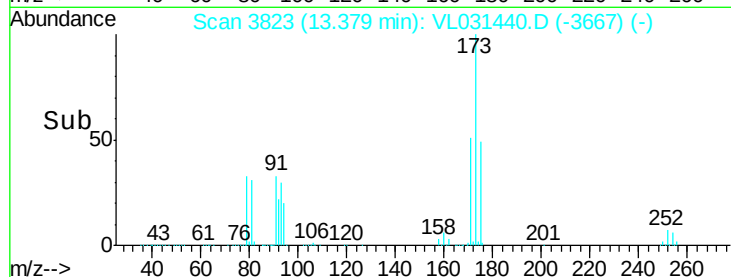
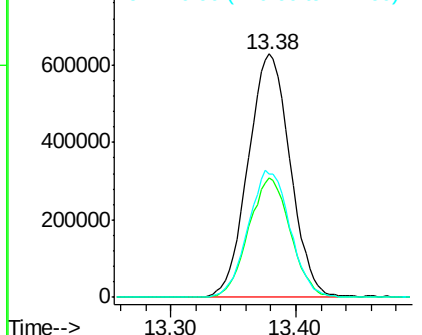
Tot Ion:173 Resp: 1461828
Ion Ratio Lower Upper
173 100
175 48.9 39.0 58.4
171 52.1 42.0 63.0

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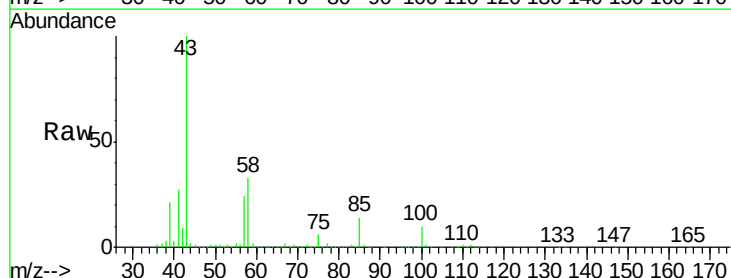


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V

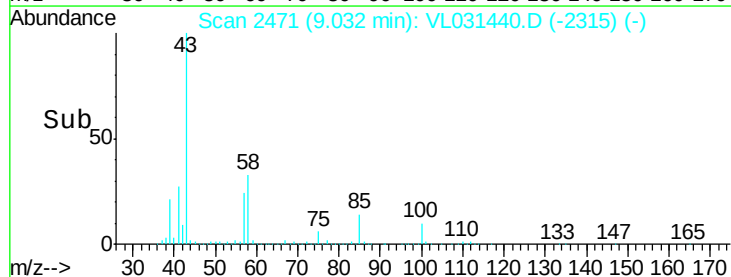
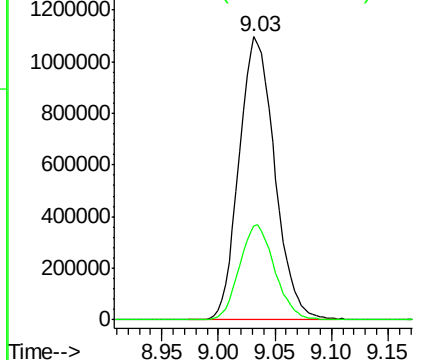


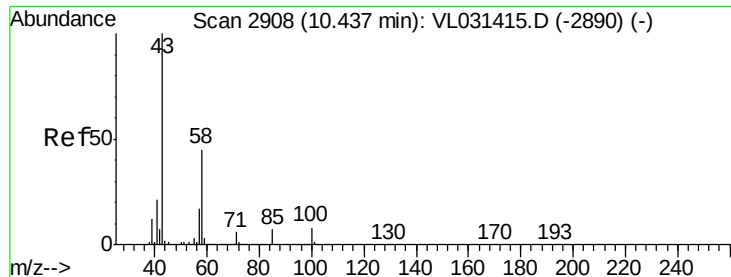
#50
4-Methyl-2-Pentanone
Concen: 10.12 ppbv
RT: 9.03 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VL031440.D
Acq: 23 Jan 2018 10:21

Tgt Ion: 43 Resp: 2409116
Ion Ratio Lower Upper
43 100
58 33.2 27.1 40.7



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





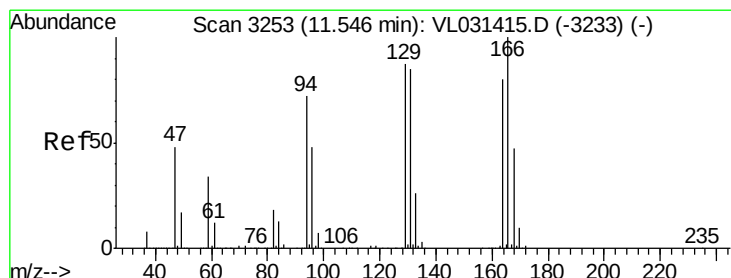
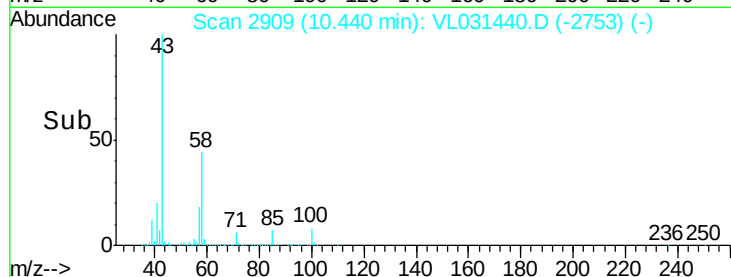
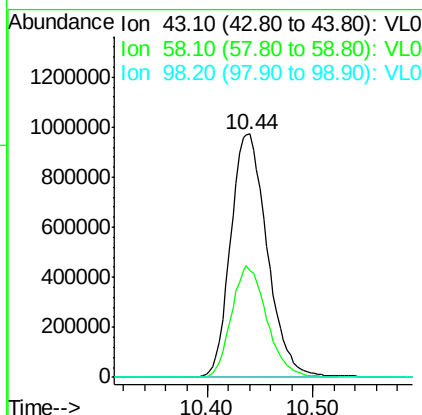
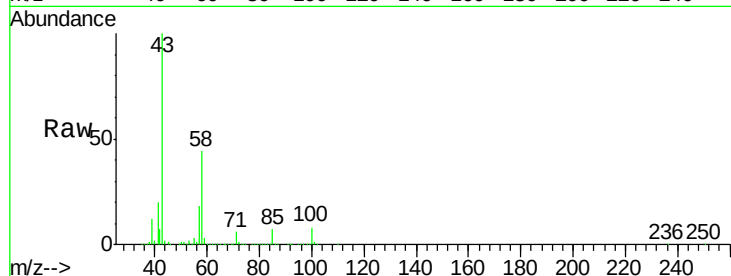
#51
2-Hexanone
Concen: 10.27 ppbv
RT: 10.44 min Scan# 2909
Delta R.T. 0.00 min
Lab File: VL031440.D
Acq: 23 Jan 2018 10:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 2332507
Ion Ratio Lower Upper
43 100
58 44.6 36.2 54.4
98 0.2 0.1 0.1#

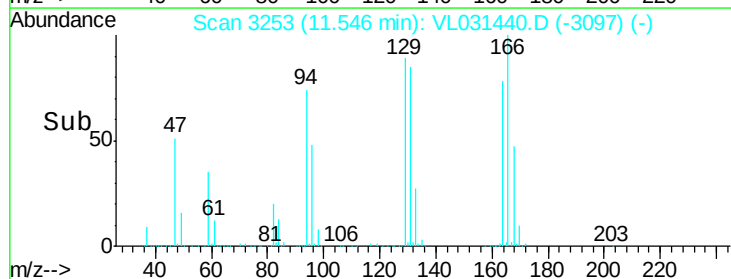
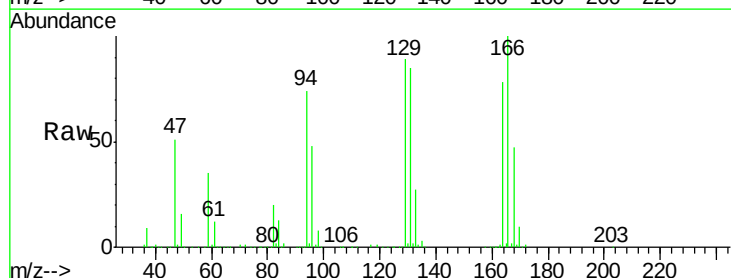
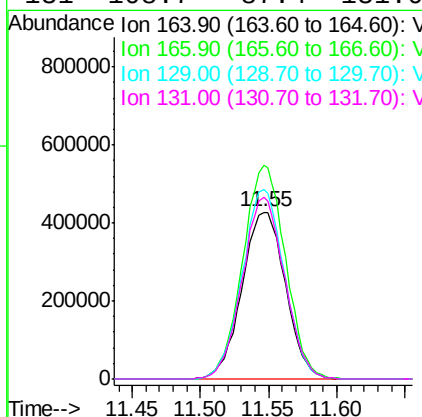
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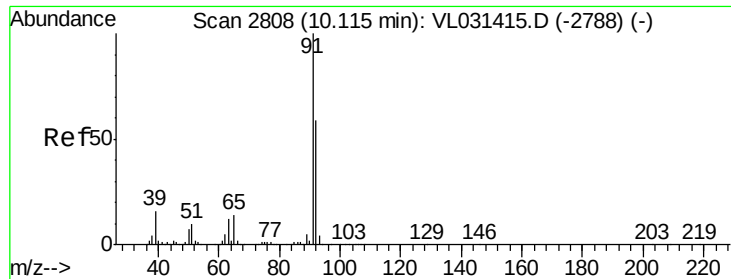
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#52
Tetrachloroethene
Concen: 10.12 ppbv
RT: 11.55 min Scan# 3253
Delta R.T. -0.00 min
Lab File: VL031440.D
Acq: 23 Jan 2018 10:21

Tgt Ion: 164 Resp: 944549
Ion Ratio Lower Upper
164 100
166 127.8 100.2 150.2
129 113.6 91.4 137.0
131 108.7 87.4 131.0





#53

Toluene

Concen: 10.19 ppbv

RT: 10.12 min Scan# 2808

Delta R.T. -0.00 min

Lab File: VL031440.D

Acq: 23 Jan 2018 10:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 2989704

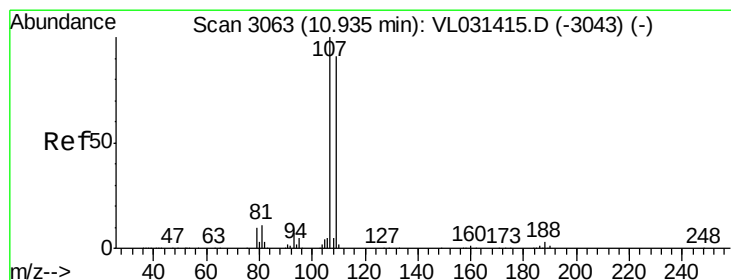
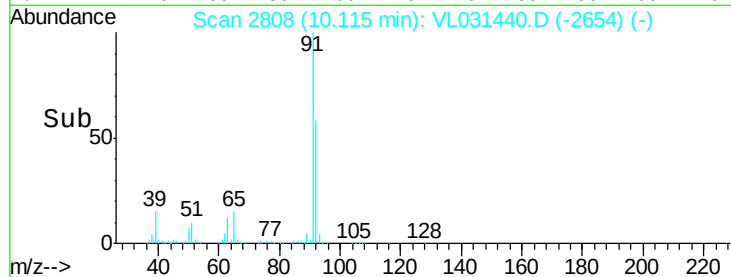
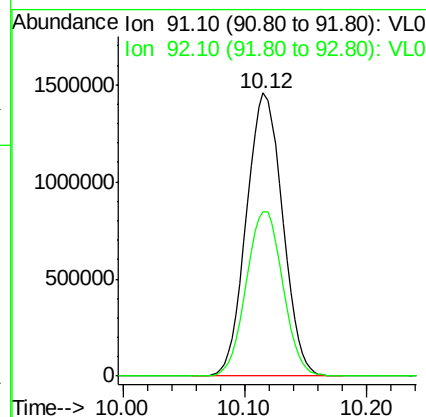
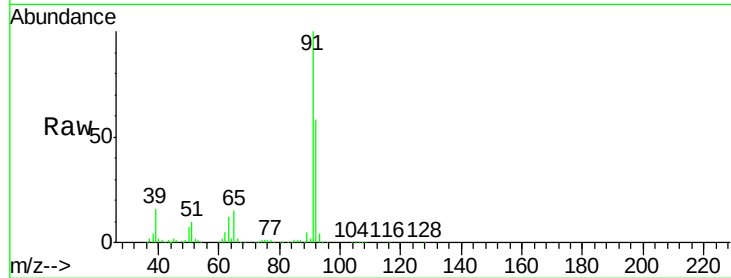
Ion Ratio Lower Upper

91 100

92 58.8 47.8 71.6

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#54

1,2-Dibromoethane

Concen: 9.74 ppbv

RT: 10.94 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VL031440.D

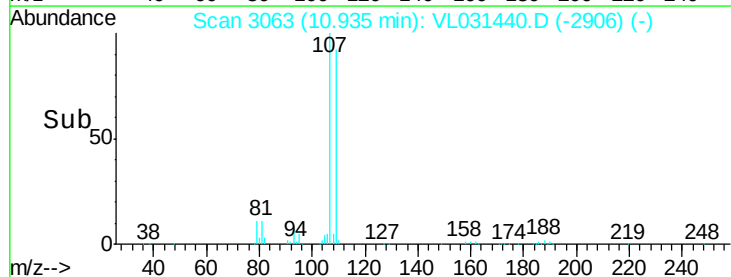
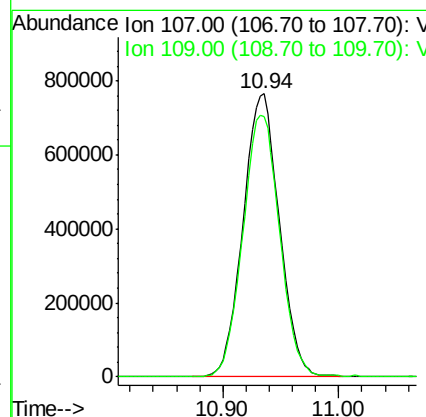
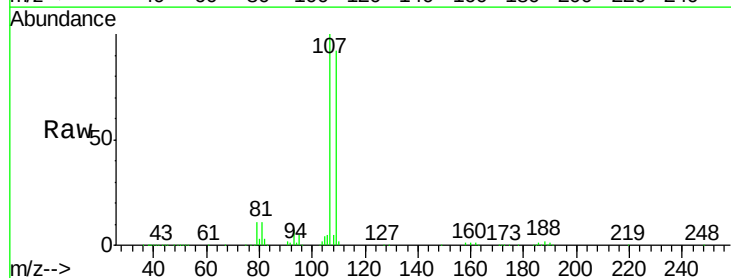
Acq: 23 Jan 2018 10:21

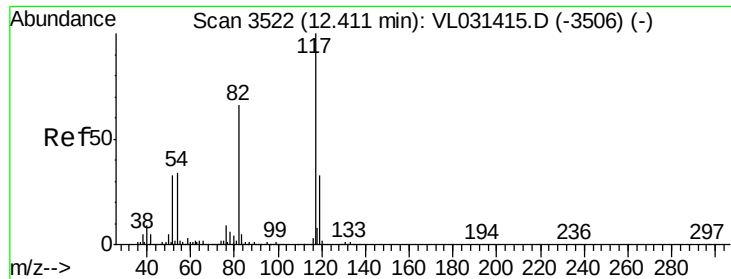
Tgt Ion: 107 Resp: 1662057

Ion Ratio Lower Upper

107 100

109 92.2 75.5 113.3





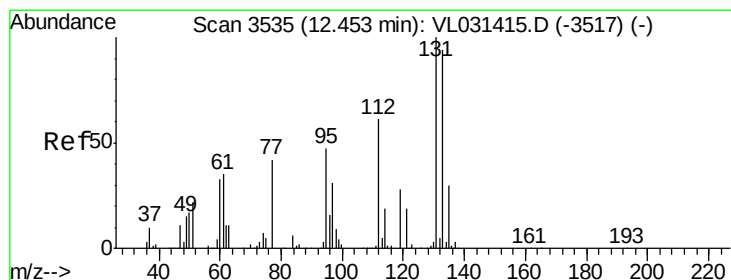
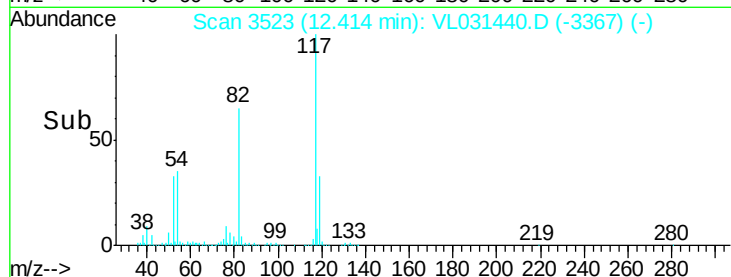
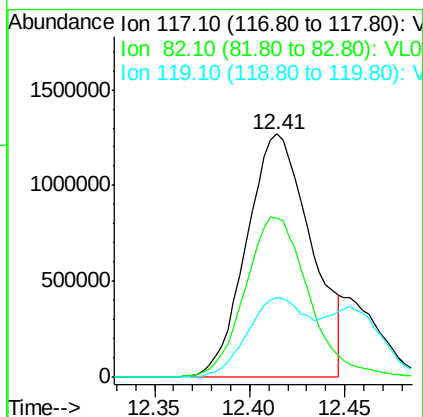
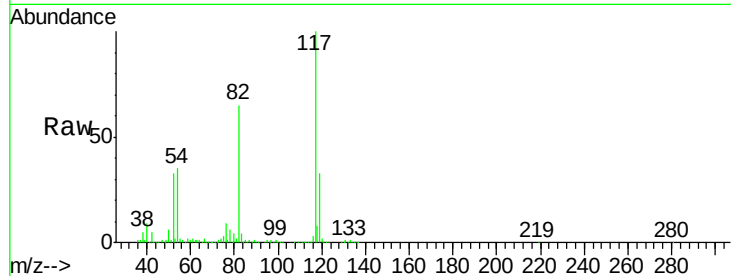
#55
Chlorobenzene-d5
Concen: 10.00 ppbv m
RT: 12.41 min Scan# 3523
Delta R.T. -0.00 min
Lab File: VL031440.D
Acq: 23 Jan 2018 10:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:117 Resp: 2986657
Ion Ratio Lower Upper
117 100
82 65.7 51.8 77.6
119 30.0 24.2 36.2

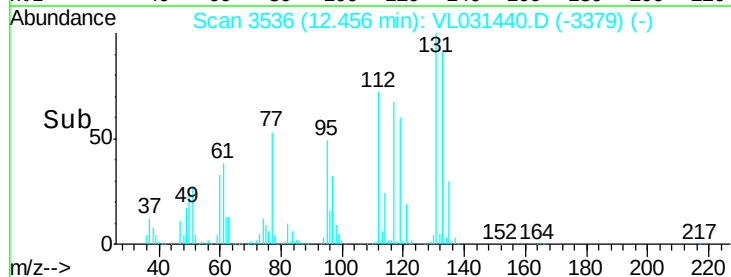
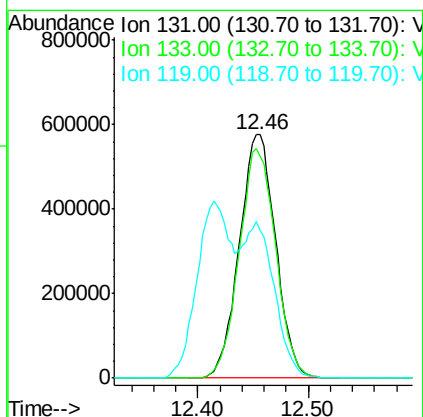
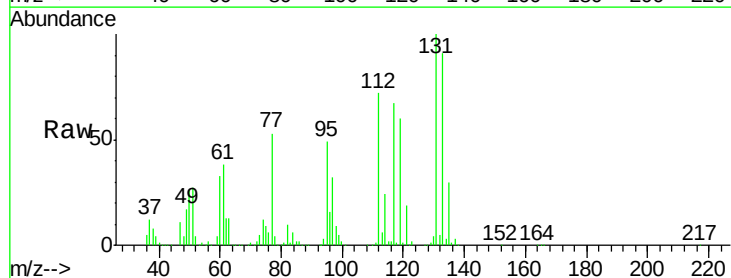
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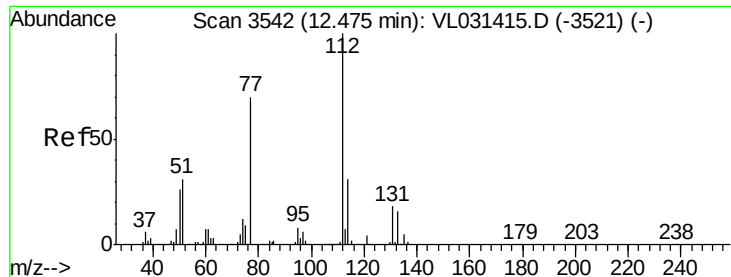
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.26 ppbv
RT: 12.46 min Scan# 3536
Delta R.T. 0.00 min
Lab File: VL031440.D
Acq: 23 Jan 2018 10:21

Tgt Ion:131 Resp: 1313470
Ion Ratio Lower Upper
131 100
133 94.8 76.9 115.3
119 55.3 47.7 71.5





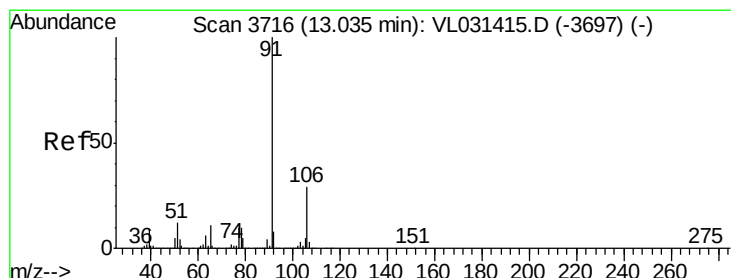
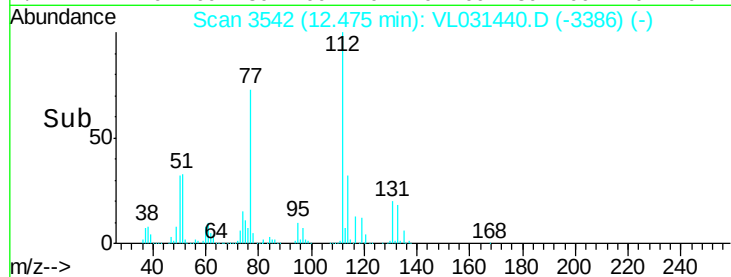
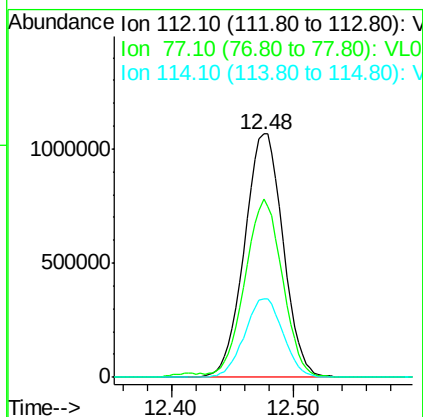
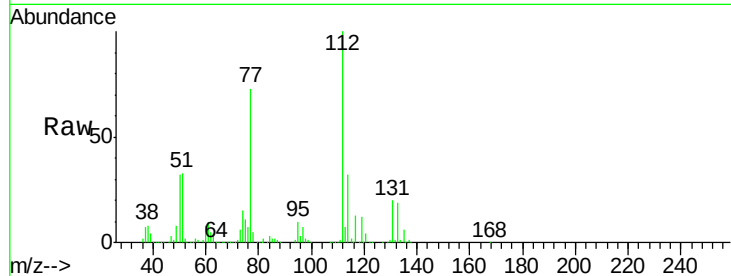
#57
Chlorobenzene
Concen: 9.02 ppbv
RT: 12.48 min Scan# 3542
Delta R.T. -0.00 min
Lab File: VL031440.D
Acq: 23 Jan 2018 10:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
112	100		
77	73.0	56.0	84.0
114	32.5	29.1	35.5

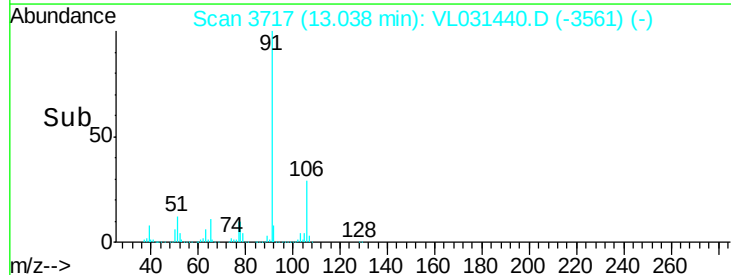
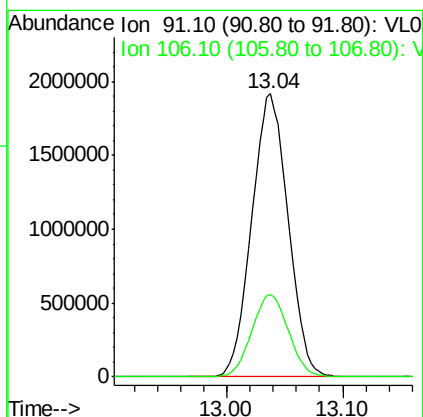
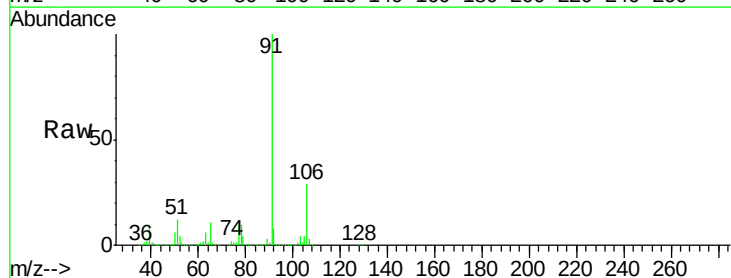
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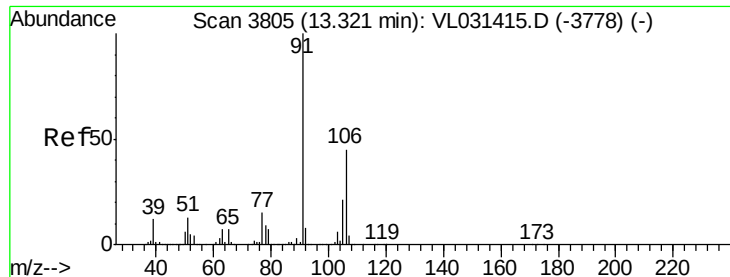
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#58
Ethyl Benzene
Concen: 9.56 ppbv
RT: 13.04 min Scan# 3717
Delta R.T. 0.00 min
Lab File: VL031440.D
Acq: 23 Jan 2018 10:21

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.1	23.8	35.6





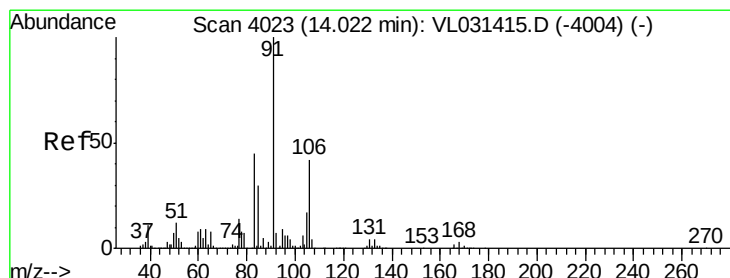
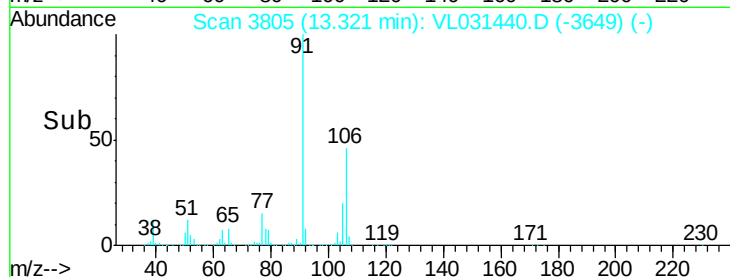
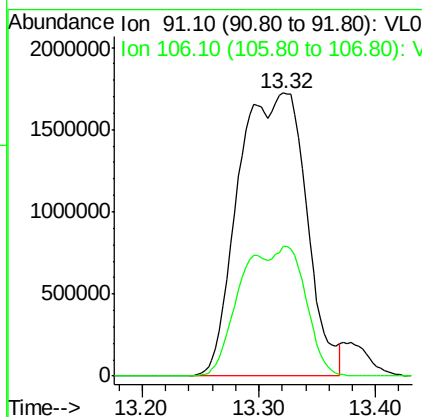
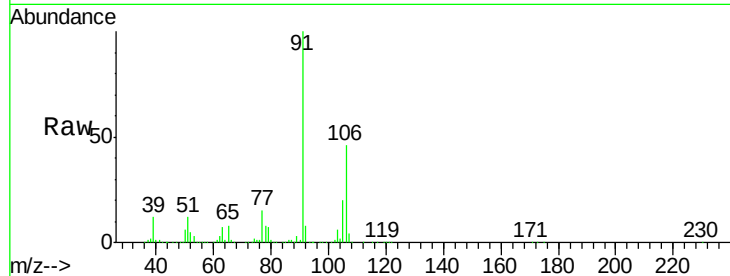
#59
m/p-Xylene
Concen: 18.56 ppbv m
RT: 13.32 min Scan# 3805
Delta R.T. -0.00 min
Lab File: VL031440.D
Acq: 23 Jan 2018 10:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 6950158
Ion Ratio Lower Upper
91 100
106 43.9 35.6 53.4

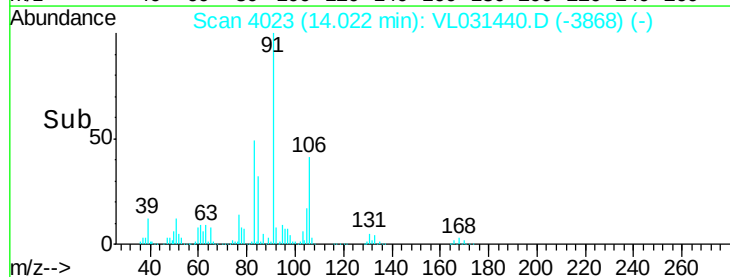
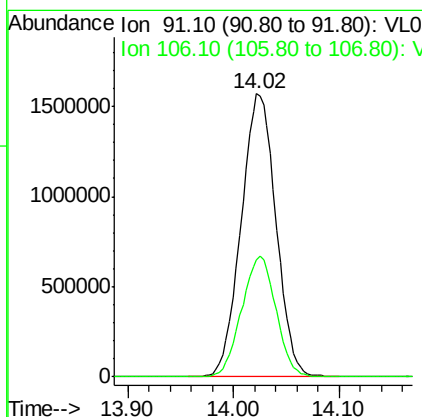
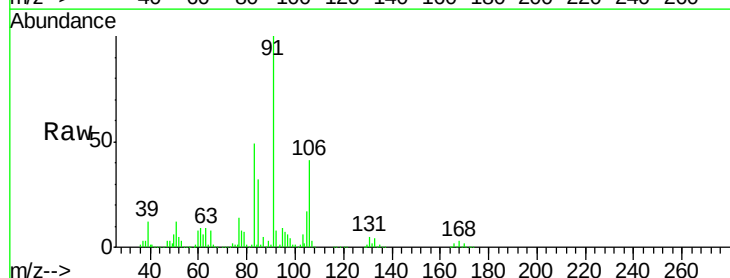
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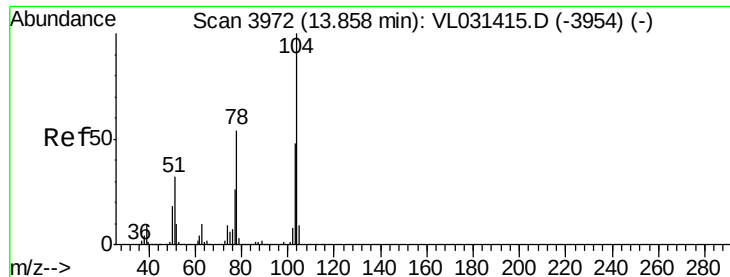
MMDadoda
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#60
o-Xylene
Concen: 9.61 ppbv
RT: 14.02 min Scan# 4023
Delta R.T. -0.00 min
Lab File: VL031440.D
Acq: 23 Jan 2018 10:21

Tgt Ion: 91 Resp: 3599731
Ion Ratio Lower Upper
91 100
106 42.2 21.3 64.0





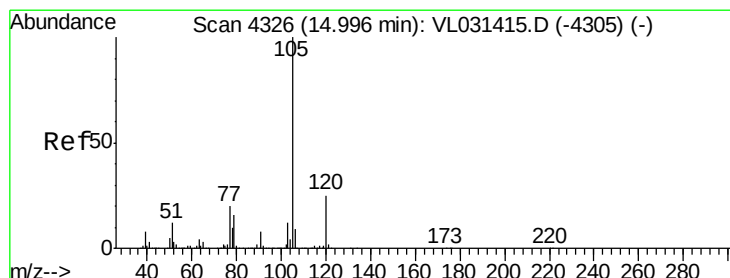
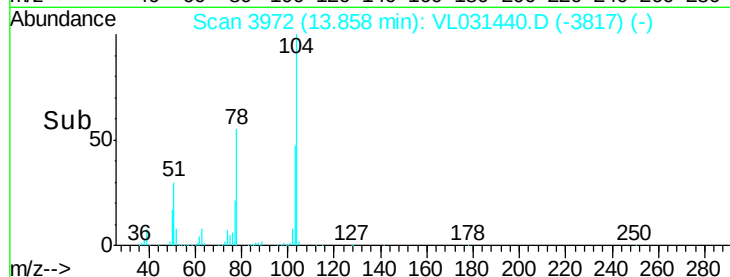
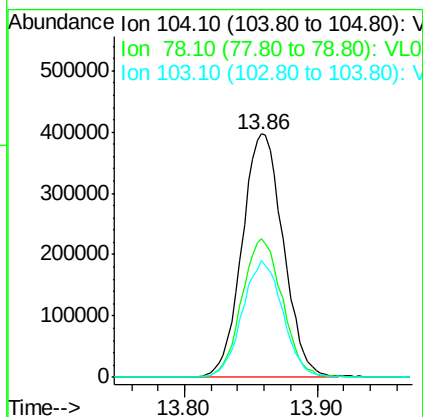
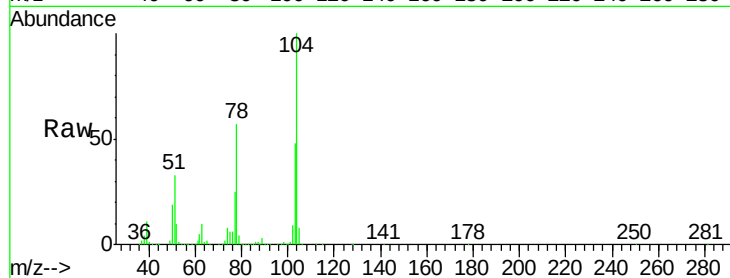
#61
Stvrene
Concen: 10.53 ppbv
RT: 13.86 min Scan# 3972
Delta R.T. -0.00 min
Lab File: VL031440.D
Acq: 23 Jan 2018 10:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	56.0	45.4	68.0
103	47.0	38.6	57.8

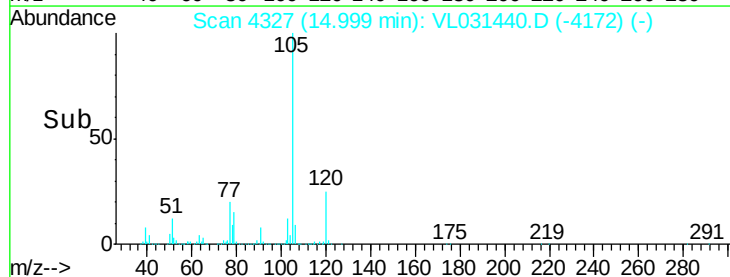
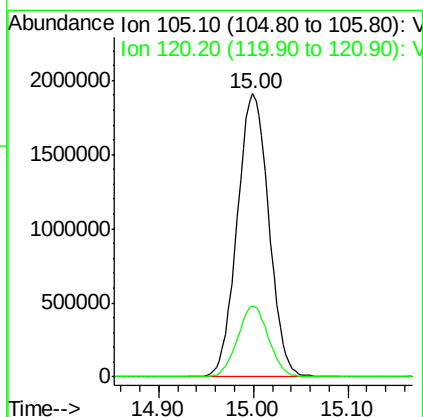
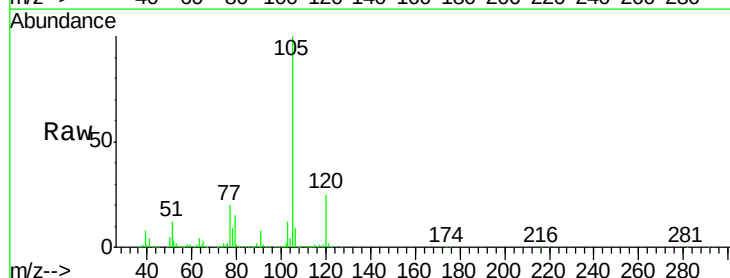
Manual Integrations
APPROVED

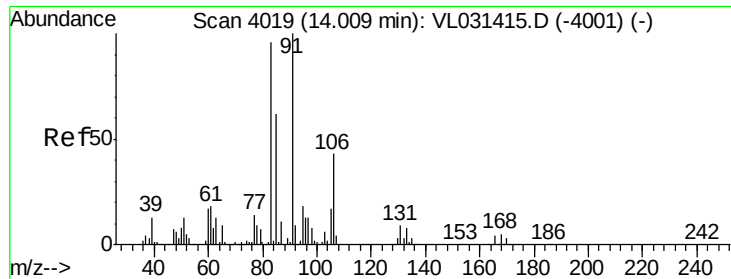
MMDadoda
1/24/2018 5:10:37 PM



#62
Isopropylbenzene
Concen: 9.44 ppbv
RT: 15.00 min Scan# 4327
Delta R.T. -0.00 min
Lab File: VL031440.D
Acq: 23 Jan 2018 10:21

Tgt Ion	Ratio	Lower	Upper
105	100		
120	24.6	19.9	29.9





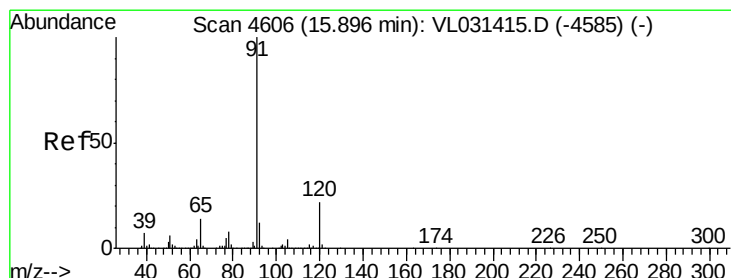
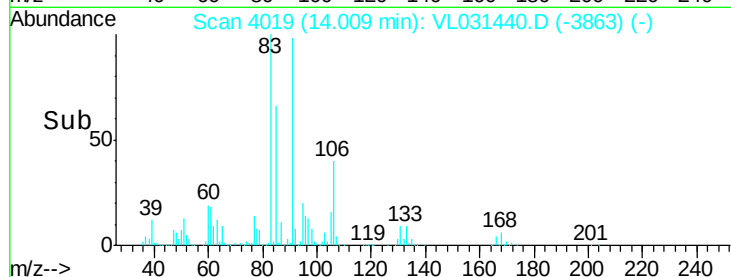
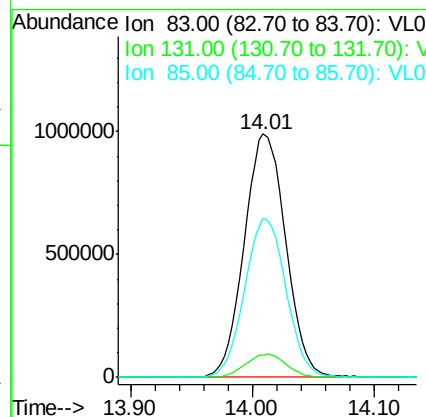
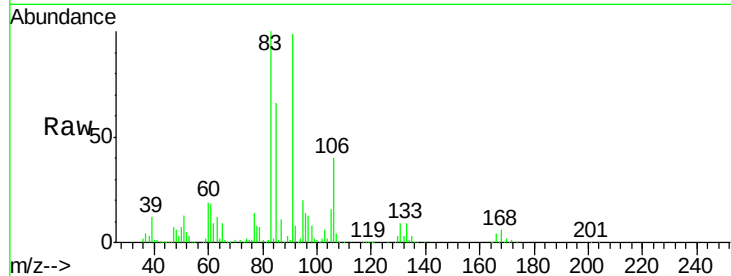
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.02 ppbv
 RT: 14.01 min Scan# 4019
 Delta R.T. -0.00 min
 Lab File: VL031440.D
 Acq: 23 Jan 2018 10:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 83 Resp: 2327742
 Ion Ratio Lower Upper
 83 100
 131 9.4 4.8 14.3
 85 65.3 32.4 97.0

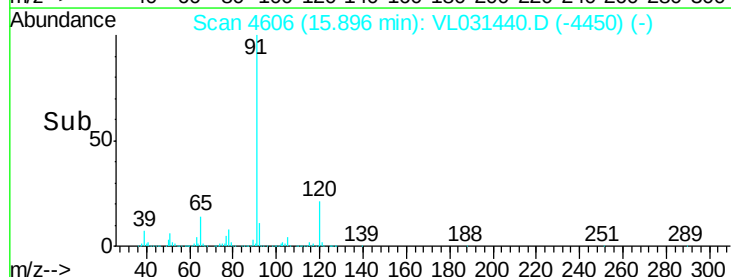
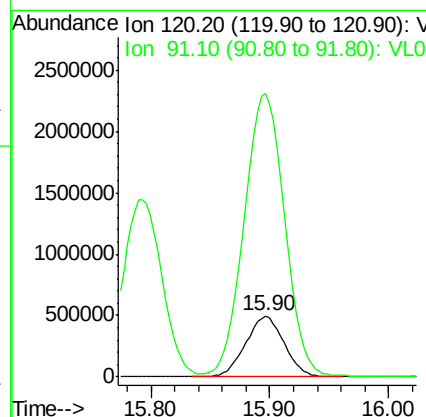
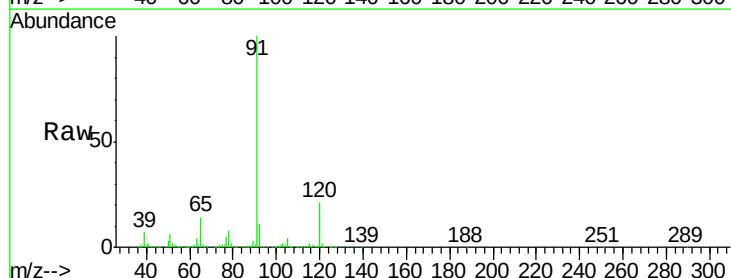
Manual Integrations
 APPROVED

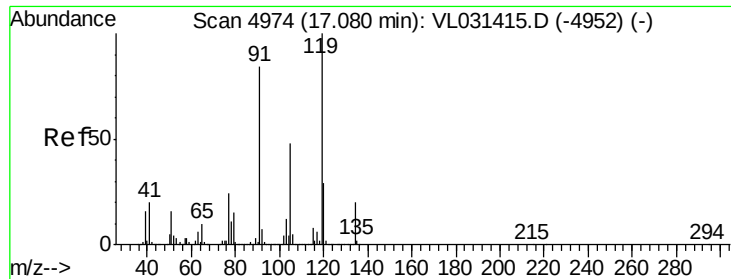
MMDadoda
 1/24/2018 5:10:37 PM



#64
 n-propylbenzene
 Concen: 9.52 ppbv
 RT: 15.90 min Scan# 4606
 Delta R.T. -0.00 min
 Lab File: VL031440.D
 Acq: 23 Jan 2018 10:21

Tgt Ion:120 Resp: 1109994
 Ion Ratio Lower Upper
 120 100
 91 492.6 389.8 584.6





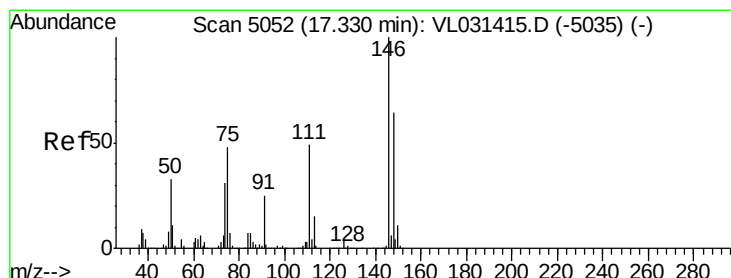
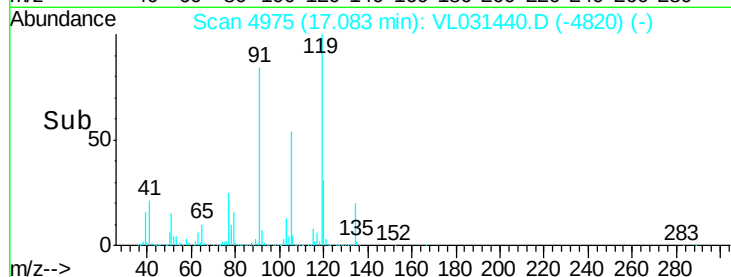
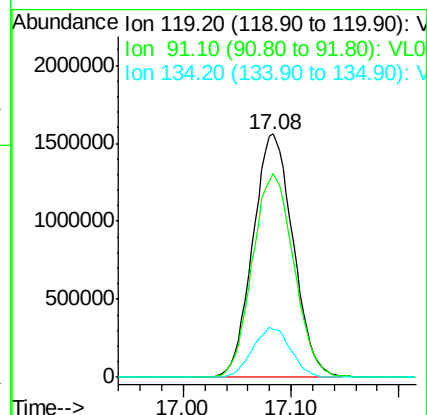
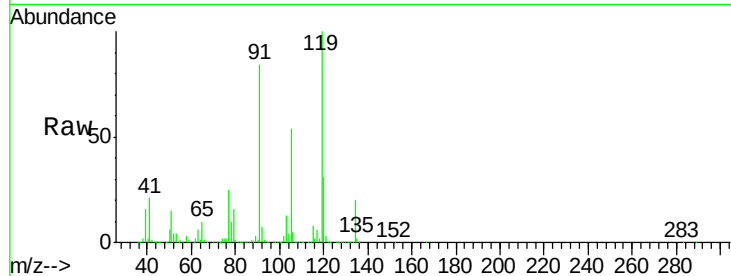
#65
tert-Butylbenzene
Concen: 9.73 ppbv
RT: 17.08 min Scan# 4975
Delta R.T. -0.00 min
Lab File: VL031440.D
Acq: 23 Jan 2018 10:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:119 Resp: 4036554
Ion Ratio Lower Upper
119 100
91 86.3 69.0 103.6
134 19.4 15.7 23.5

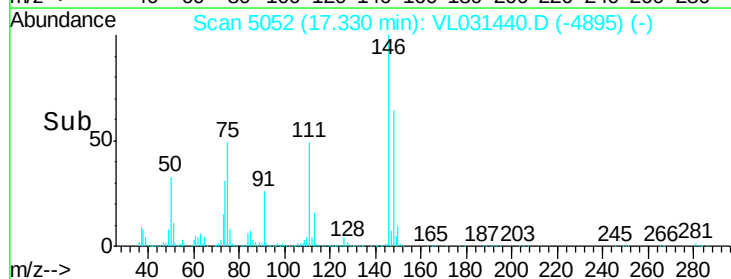
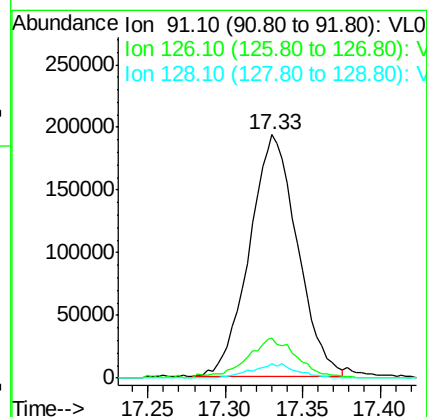
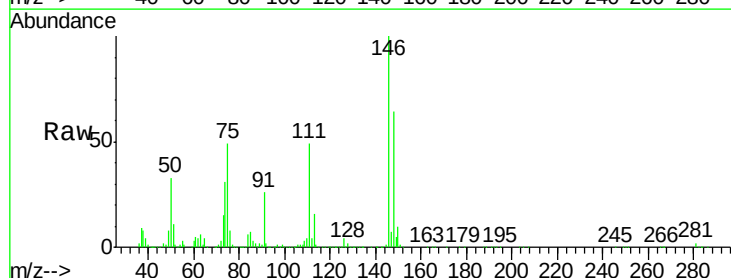
Manual Integrations
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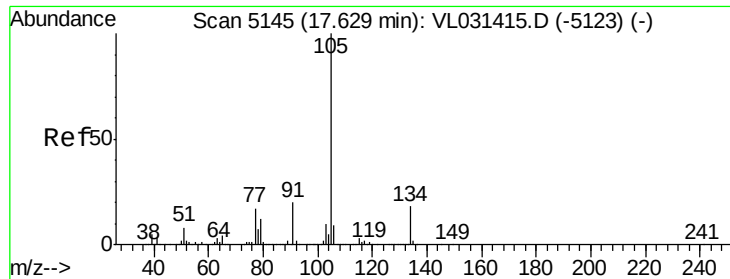
MMDadoda
1/24/2018 5:10:37 PM



#66
Benzyl Chloride
Concen: 10.01 ppbv
RT: 17.33 min Scan# 5052
Delta R.T. 0.00 min
Lab File: VL031440.D
Acq: 23 Jan 2018 10:21

Tgt Ion: 91 Resp: 414822
Ion Ratio Lower Upper
91 100
126 18.1 13.8 20.8
128 5.8 4.6 6.8





#67

sec-Butylbenzene

Concen: 9.80 ppbv

RT: 17.63 min Scan# 5146

Delta R.T. -0.00 min

Lab File: VL031440.D

Acq: 23 Jan 2018 10:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 5678839

Ion Ratio Lower Upper

105 100

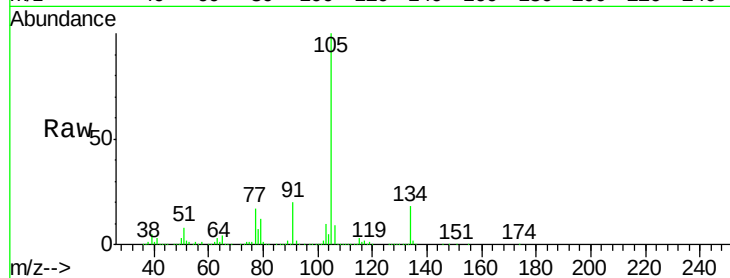
134 18.1 14.5 21.7

Manual Integrations

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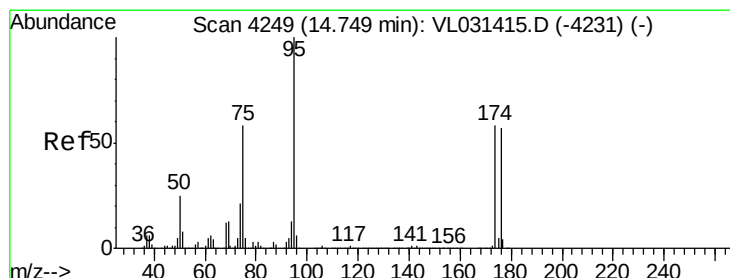
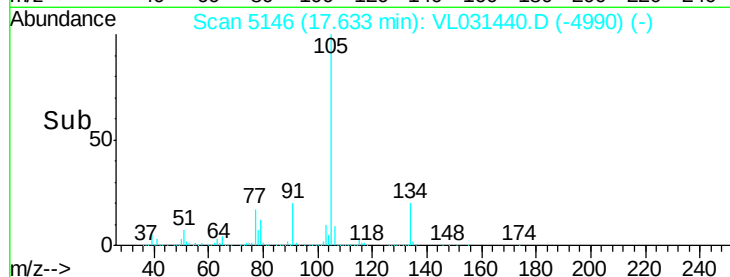
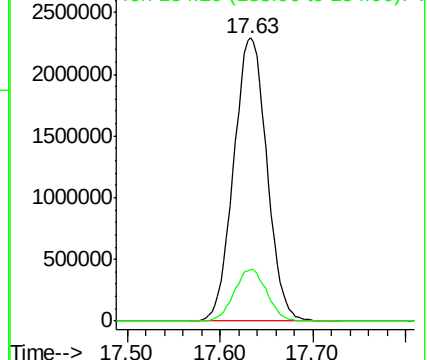
MMDadoda

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.93 ppbv

RT: 14.75 min Scan# 4250

Delta R.T. 0.00 min

Lab File: VL031440.D

Acq: 23 Jan 2018 10:21

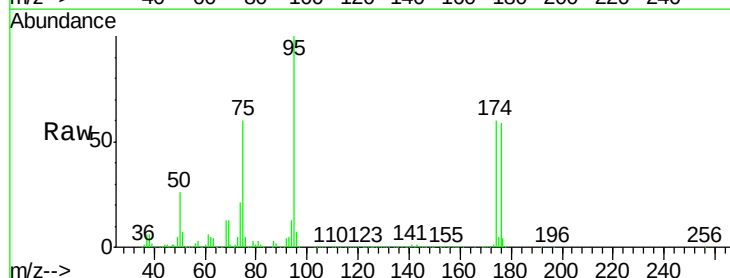
Tgt Ion: 95 Resp: 2376166

Ion Ratio Lower Upper

95 100

174 61.5 48.2 72.4

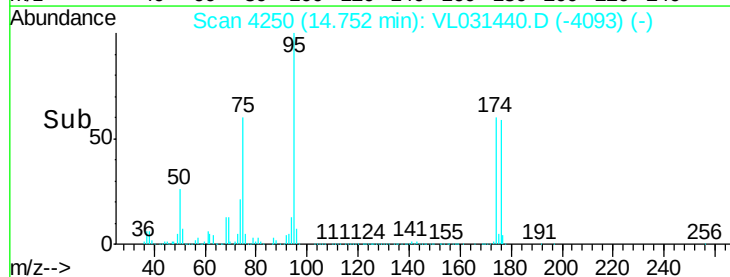
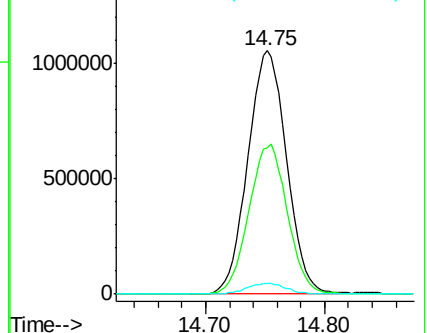
175 4.5 3.6 5.4

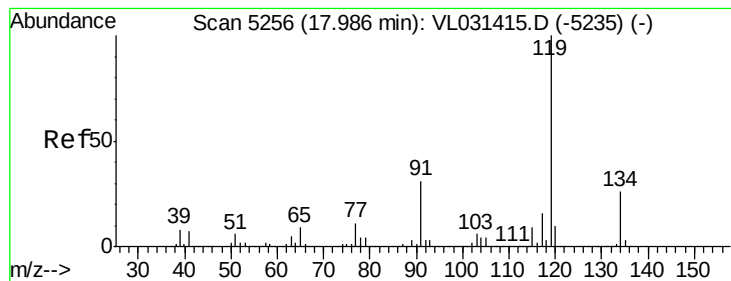


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#69

p-Isopropyltoluene

Concen: 10.06 ppbv

RT: 17.99 min Scan# 5257

Delta R.T. 0.00 min

Lab File: VL031440.D

Acq: 23 Jan 2018 10:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 119 Resp: 4685339

Ion Ratio Lower Upper

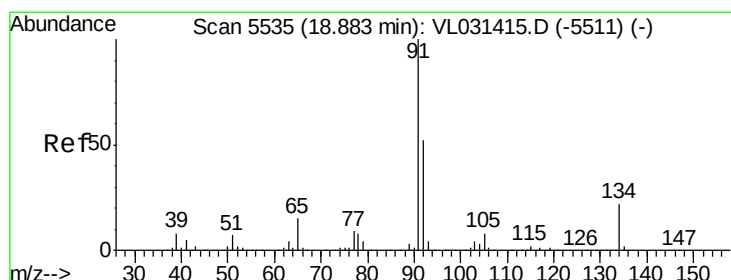
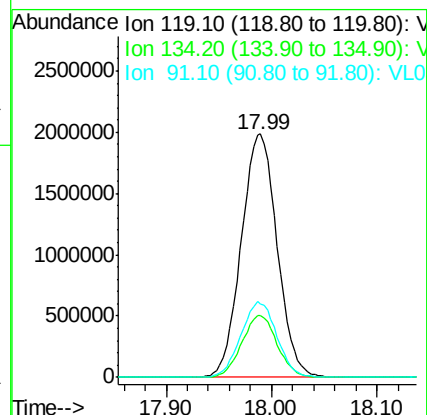
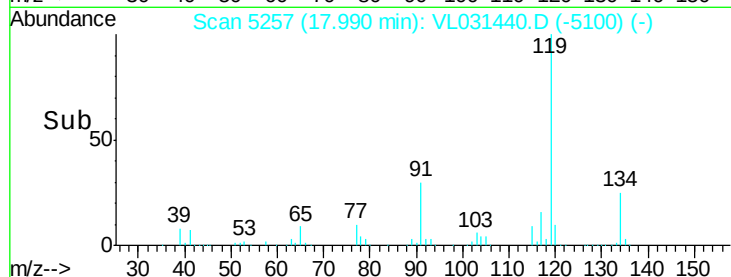
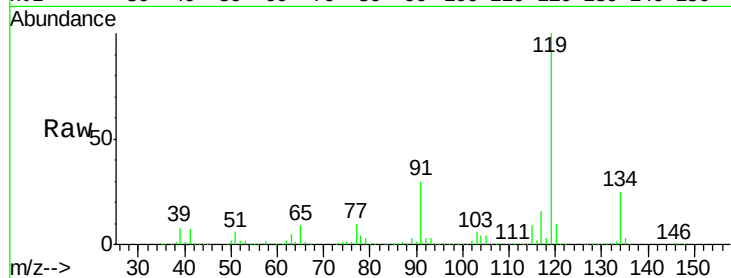
119 100

134 25.2 20.2 30.4

91 31.2 25.0 37.4

Manual Integrations
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#70

n-Butylbenzene

Concen: 10.28 ppbv

RT: 18.89 min Scan# 5536

Delta R.T. 0.00 min

Lab File: VL031440.D

Acq: 23 Jan 2018 10:21

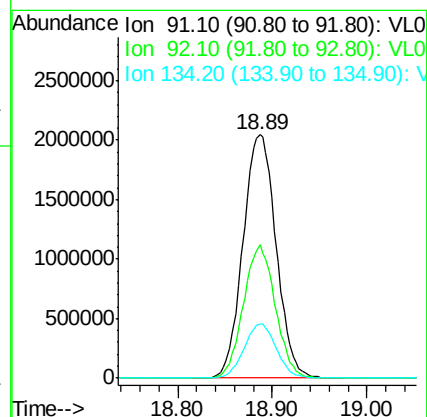
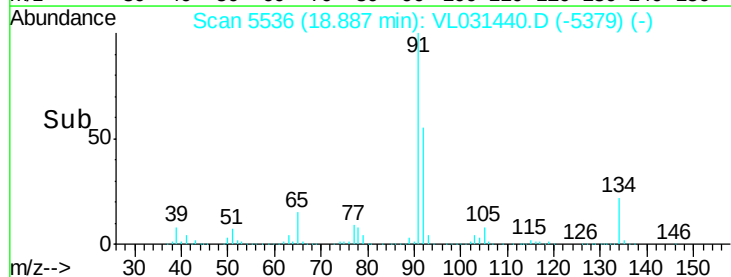
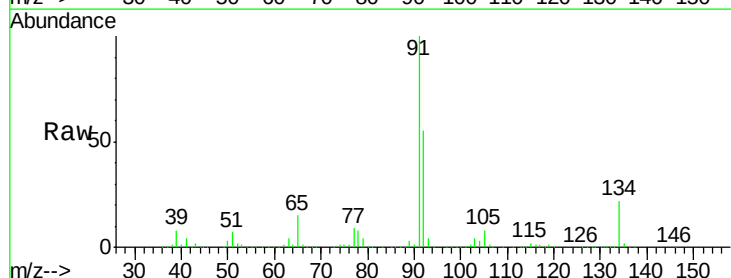
Tgt Ion: 91 Resp: 4974839

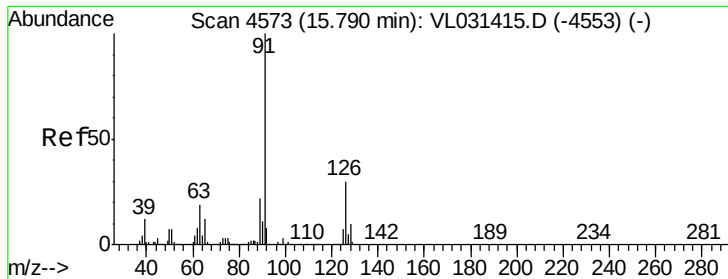
Ion Ratio Lower Upper

91 100

92 52.6 42.2 63.4

134 21.6 17.4 26.2





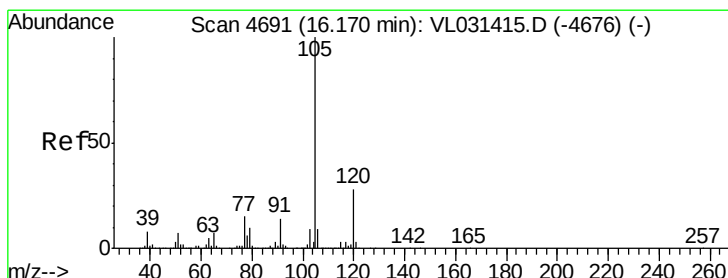
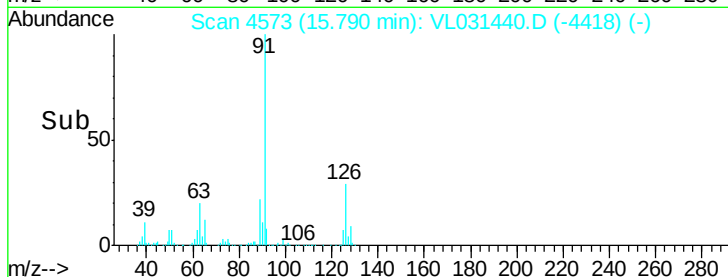
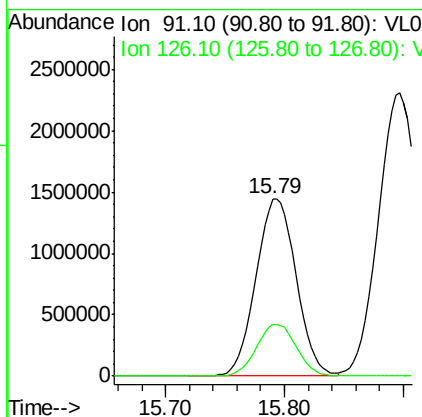
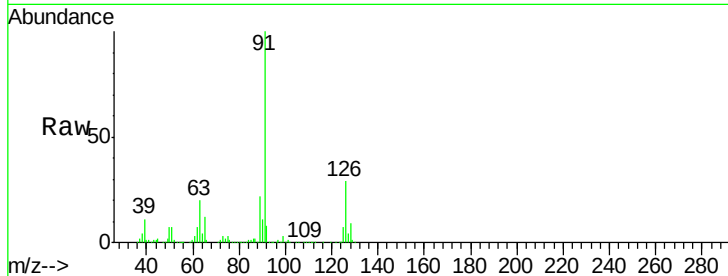
#71
 2-Chlorotoluene
 Concen: 9.54 ppbv
 RT: 15.79 min Scan# 4573
 Delta R.T. -0.00 min
 Lab File: VL031440.D
 Acq: 23 Jan 2018 10:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 91 Resp: 3381390
 Ion Ratio Lower Upper
 91 100
 126 29.3 11.7 46.9

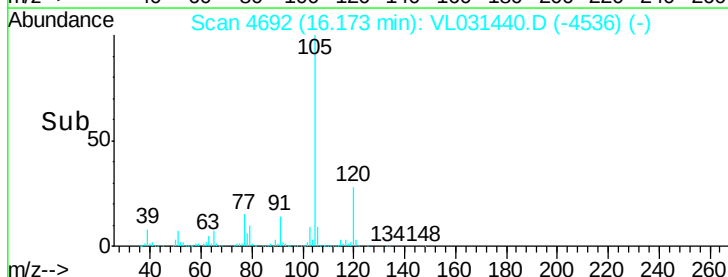
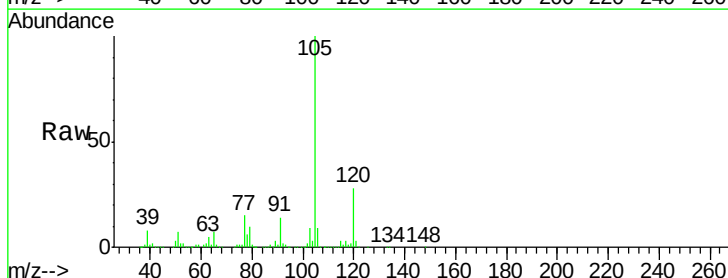
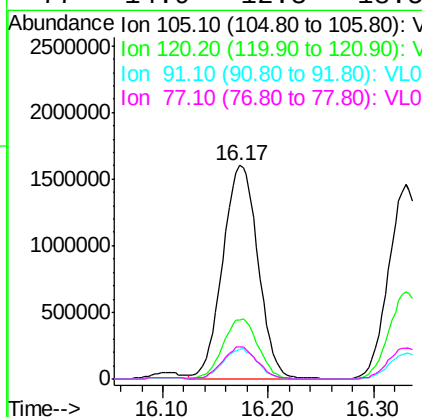
Manual Integrations
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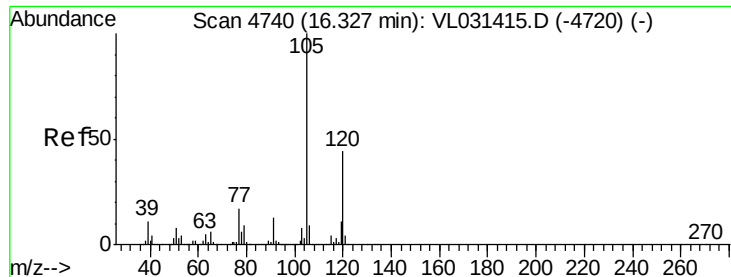
MM Dadoda
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#72
 4-Ethyltoluene
 Concen: 9.80 ppbv
 RT: 16.17 min Scan# 4692
 Delta R.T. -0.00 min
 Lab File: VL031440.D
 Acq: 23 Jan 2018 10:21

Tgt Ion: 105 Resp: 3709353
 Ion Ratio Lower Upper
 105 100
 120 28.3 23.0 34.6
 91 13.7 11.0 16.4
 77 14.9 12.3 18.5





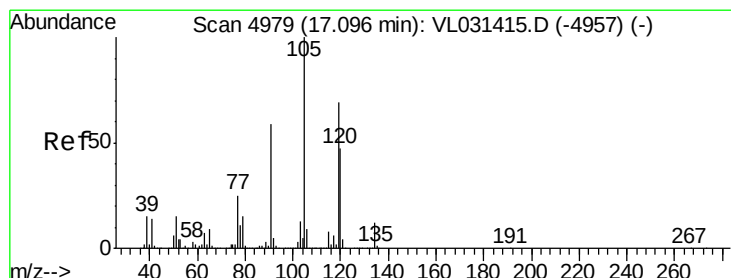
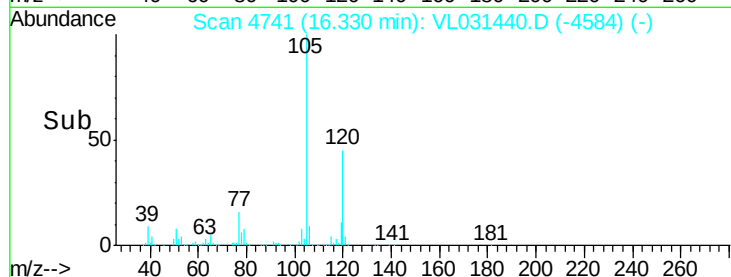
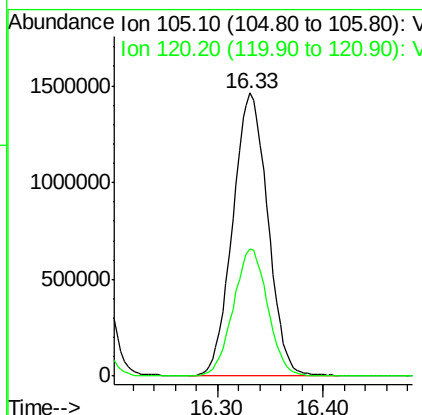
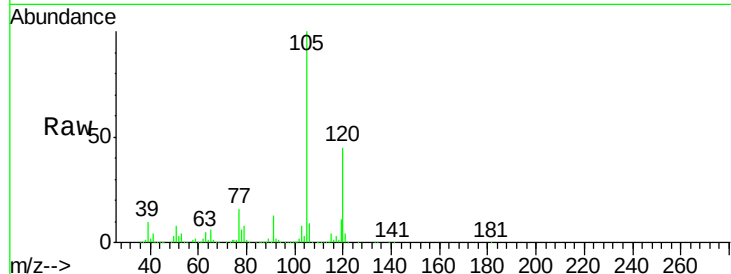
#73
 1,3,5-Trimethylbenzene
 Concen: 9.74 ppbv
 RT: 16.33 min Scan# 4741
 Delta R.T. 0.00 min
 Lab File: VL031440.D
 Acq: 23 Jan 2018 10:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:105 Resp: 3354444
 Ion Ratio Lower Upper
 105 100
 120 44.8 35.8 53.6

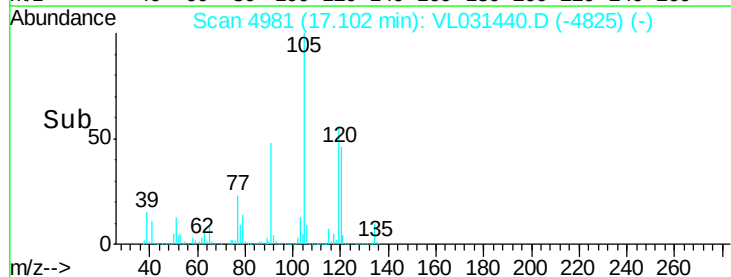
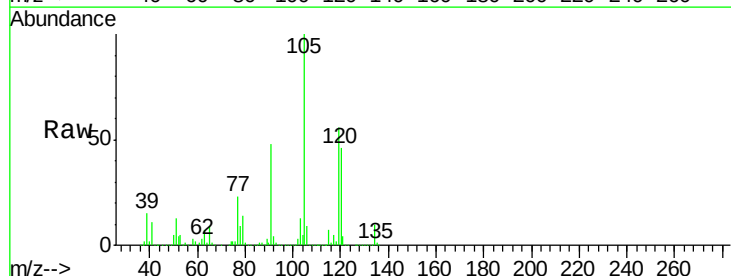
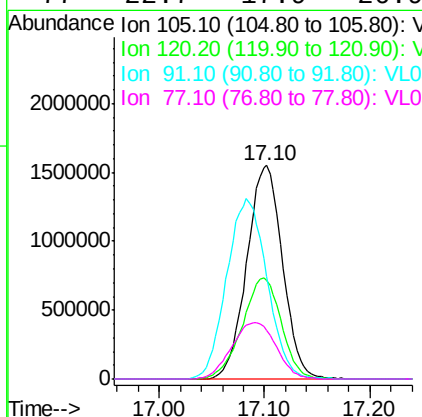
Manual Integrations
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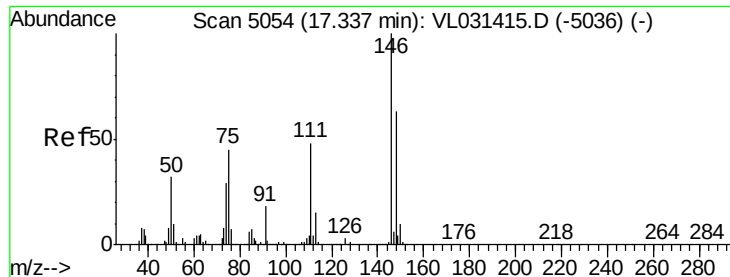
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#74
 1,2,4-Trimethylbenzene
 Concen: 9.59 ppbv
 RT: 17.10 min Scan# 4981
 Delta R.T. -0.00 min
 Lab File: VL031440.D
 Acq: 23 Jan 2018 10:21

Tgt Ion:105 Resp: 3657355
 Ion Ratio Lower Upper
 105 100
 120 46.0 37.0 55.6
 91 47.9 35.1 52.7
 77 22.7 17.9 26.9





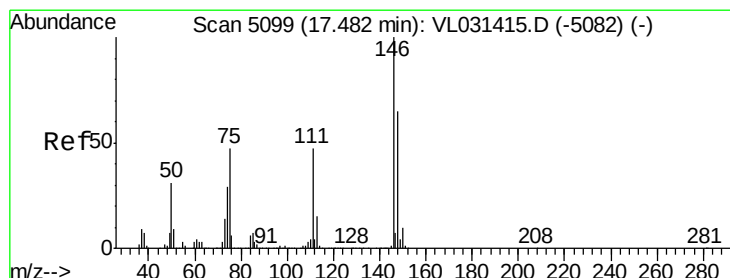
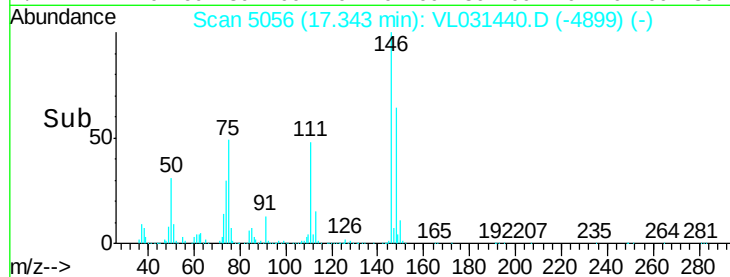
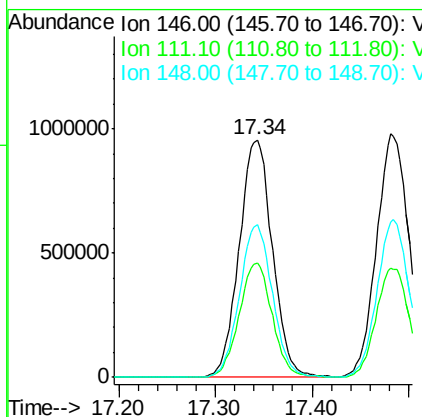
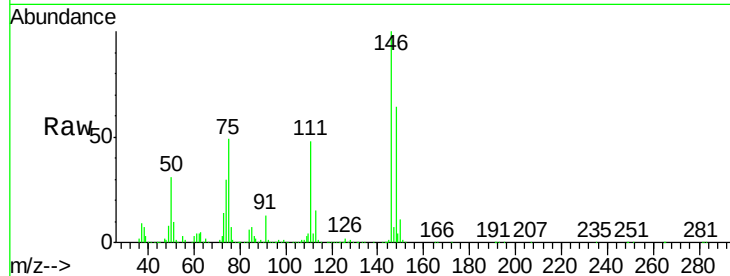
#75
 1,3-Dichlorobenzene
 Concen: 9.63 ppbv
 RT: 17.34 min Scan# 5056
 Delta R.T. 0.00 min
 Lab File: VL031440.D
 Acq: 23 Jan 2018 10:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.2	24.2	72.6
148	64.0	32.1	96.3

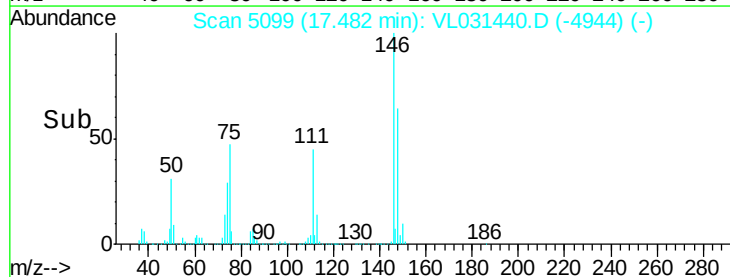
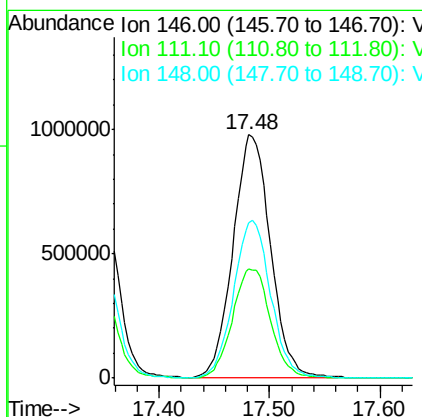
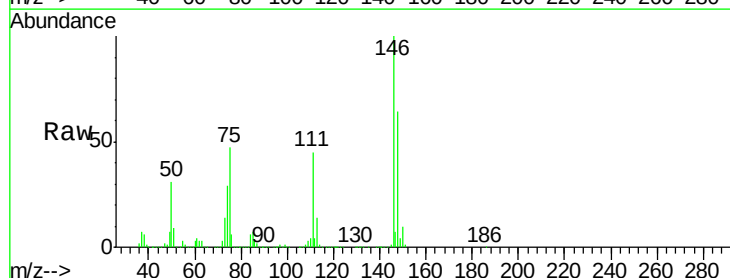
Manual Integrations
 APPROVED

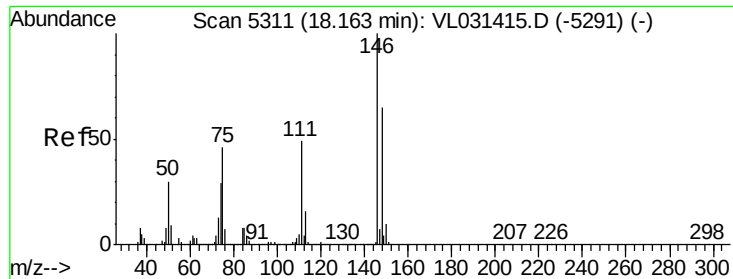
MMDadoda
 1/24/2018 5:10:37 PM



#76
 1,4-Dichlorobenzene
 Concen: 9.85 ppbv
 RT: 17.48 min Scan# 5099
 Delta R.T. -0.00 min
 Lab File: VL031440.D
 Acq: 23 Jan 2018 10:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.1	23.3	69.9
148	64.6	32.4	97.2





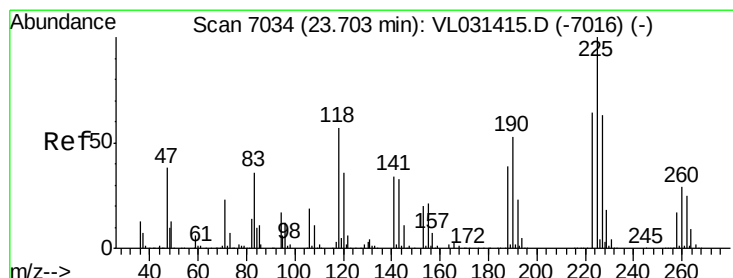
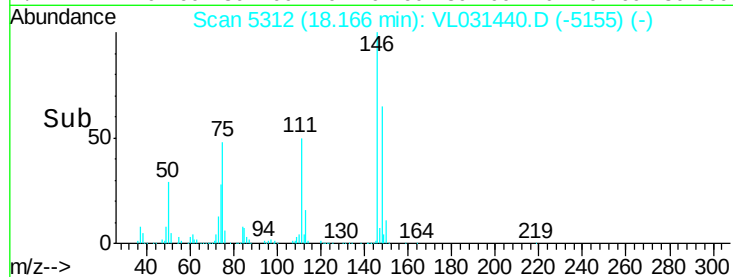
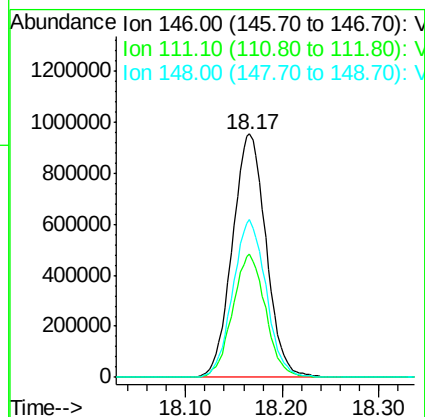
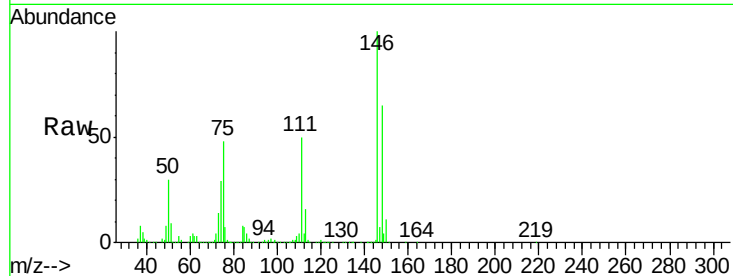
#77
 1,2-Dichlorobenzene
 Concen: 10.04 ppbv
 RT: 18.17 min Scan# 5312
 Delta R.T. 0.00 min
 Lab File: VL031440.D
 Acq: 23 Jan 2018 10:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:146 Resp: 2304572
 Ion Ratio Lower Upper
 146 100
 111 49.6 24.6 74.0
 148 64.3 32.3 96.8

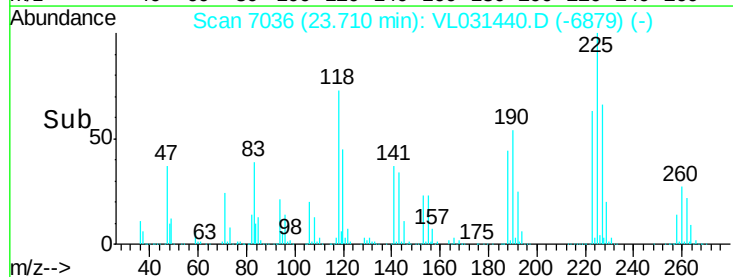
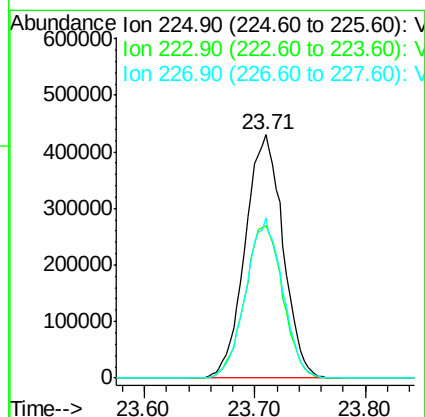
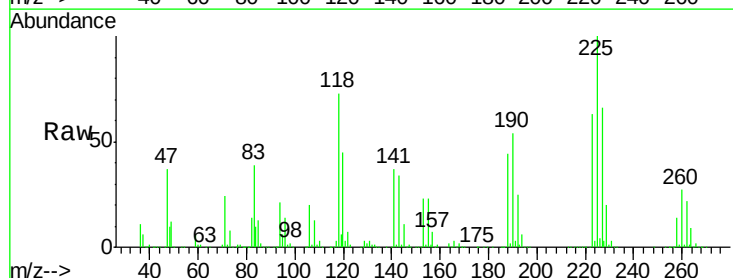
Manual Integrations
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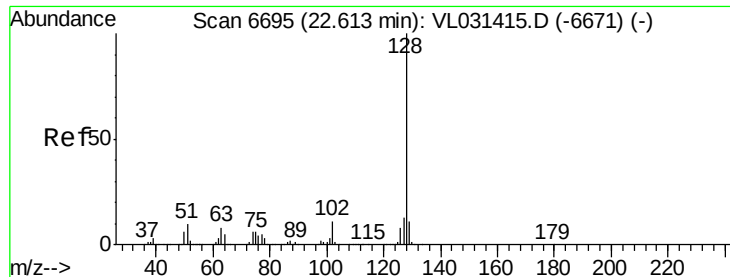
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#78
 Hexachloro-1,3-Butadiene
 Concen: 12.63 ppbv
 RT: 23.71 min Scan# 7036
 Delta R.T. 0.00 min
 Lab File: VL031440.D
 Acq: 23 Jan 2018 10:21

Tgt Ion:225 Resp: 1020393
 Ion Ratio Lower Upper
 225 100
 223 62.8 51.3 76.9
 227 63.8 50.7 76.1





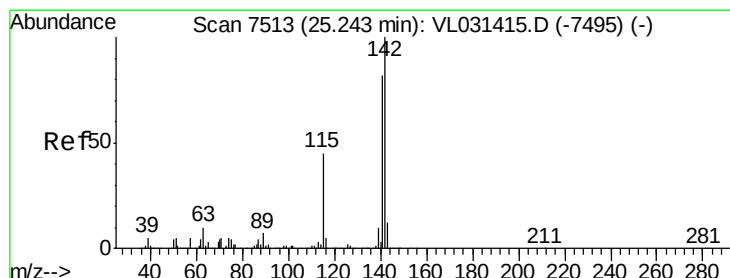
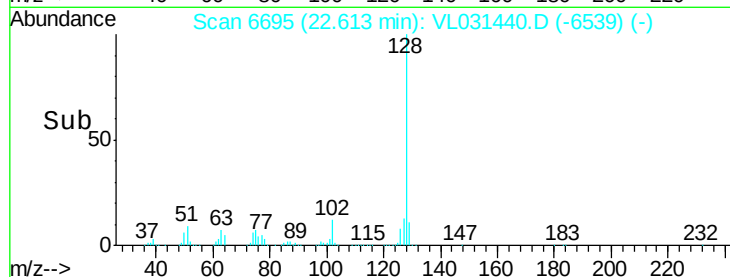
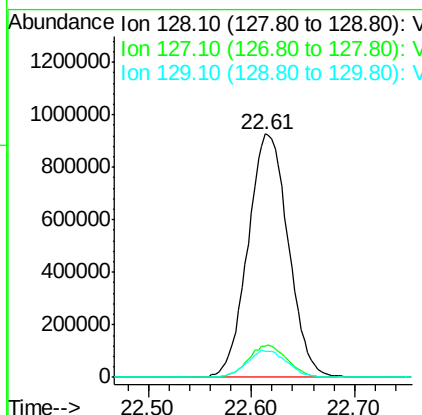
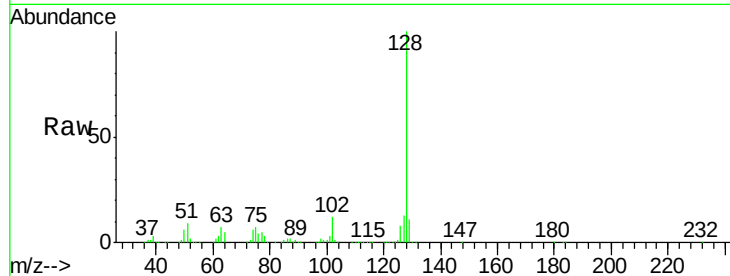
#79
Naphthalene
Concen: 10.70 ppbv
RT: 22.61 min Scan# 6695
Delta R.T. -0.00 min
Lab File: VL031440.D
Acq: 23 Jan 2018 10:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.6	16.0
129	10.9	9.2	13.8

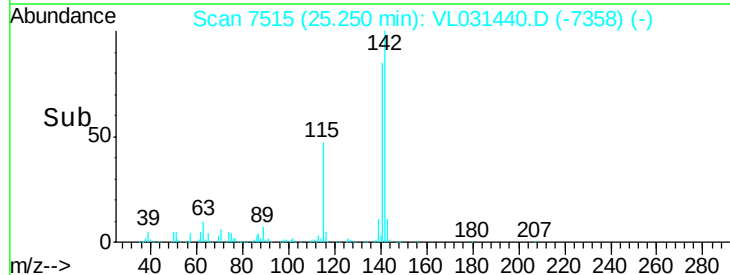
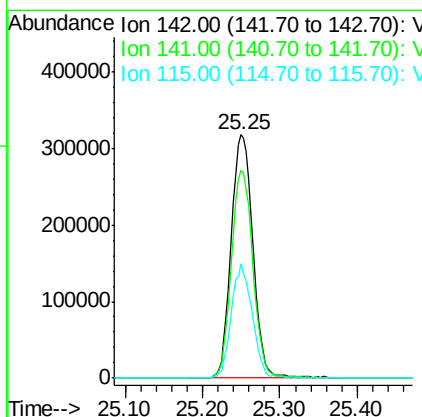
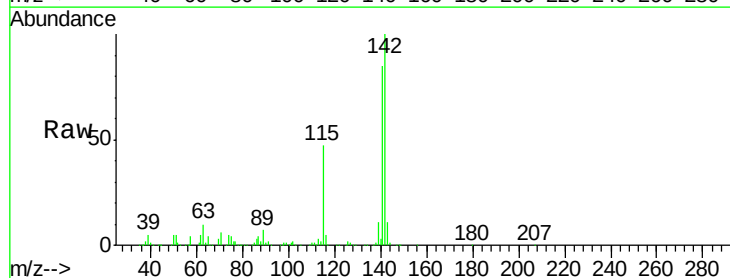
Manual Integrations
APPROVED

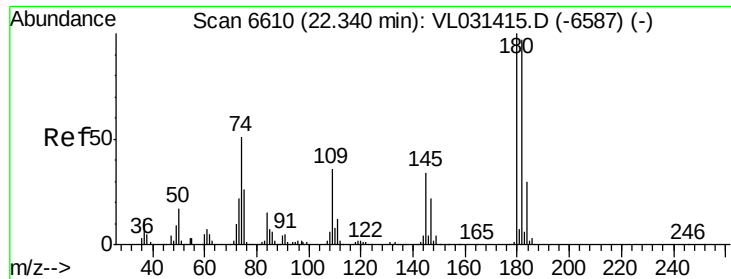
MMDadoda
1/24/2018 5:10:37 PM



#80
Naphthalene, 2-methyl-
Concen: 9.31 ppbv
RT: 25.25 min Scan# 7515
Delta R.T. 0.00 min
Lab File: VL031440.D
Acq: 23 Jan 2018 10:21

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.9	68.7	103.1
115	45.0	36.3	54.5





#81

1,2,4-Trichlorobenzene

Concen: 10.17 ppbv

RT: 22.34 min Scan# 6611

Delta R.T. 0.00 min

Lab File: VL031440.D

Acq: 23 Jan 2018 10:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:180 Resp: 1276810

Ion Ratio Lower Upper

180 100

182 94.7 76.2 114.4

184 30.5 24.2 36.4

Manual Integrations

APPROVED

MMDadoda

1/24/2018 5:10:37 PM

