

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051419\
 Data File : VL033687.D
 Acq On : 14 May 2019 12:19
 Operator : SY/AP
 Sample : VL0514ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0514ABS01

Manual Integrations
 APPROVED

MMDadoda
 5/16/2019 5:41:00 AM

Quant Time: May 15 02:44:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050619AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon May 0
 QLast Update : Mon May 06 15:19:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	990252	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2352011	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2482752	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	2038902	10.02	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.20%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.07	85	1711419	7.369	ppbv 100
3) Chlorodifluoromethane	3.01	51	1117134	7.812	ppbv 99
4) Chloromethane	3.17	50	585785	7.879	ppbv 98
5) Vinyl Chloride	3.29	62	568289	7.862	ppbv 100
6) Bromomethane	3.51	94	385837	8.402	ppbv 100
7) Chloroethane	3.60	64	219499	8.365	ppbv 99
8) Dichlorotetrafluoroethane	3.22	85	1509266	7.895	ppbv 99
9) Propene	3.03	41	447190	8.202	ppbv 99
10) Heptane	8.25	43	1331059	9.893	ppbv 99
11) Trichlorofluoromethane	4.00	101	1802475	8.311	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.55	101	1218581	8.358	ppbv 99
13) Ethanol	3.65	45	119596	7.308	ppbv 100
14) Bromoethene	3.79	108	475386	8.272	ppbv 99
15) Acetone	3.90	43	1121567	7.613	ppbv 100
16) 1,3-Butadiene	3.36	39	520125	8.232	ppbv 100
17) tert-Butyl alcohol	4.35	59	1002212	8.957	ppbv 100
18) 1,1-Dichloroethene	4.35	96	532790	8.464	ppbv 99
19) Isopropyl Alcohol	4.02	45	770093	8.509	ppbv 100
20) Methylene Chloride	4.41	84	447471	8.000	ppbv 95
21) Allyl Chloride	4.48	41	776826	8.712	ppbv 98
22) trans-1,2-Dichloroethene	4.96	96	619715	9.807	ppbv 98
23) Vinyl Acetate	5.15	43	1944207	10.156	ppbv 99
24) 1,1-Dichloroethane	5.09	63	1351234	9.331	ppbv 100
25) Ethyl Acetate	5.77	43	2333327	9.735	ppbv 100
26) Hexane	5.78	57	1022719	9.927	ppbv 99
27) Carbon Disulfide	4.62	76	1350246	9.582	ppbv 98
28) Methyl tert-Butyl Ether	5.11	73	1724830	9.940	ppbv 100
29) Chloroform	5.85	83	1767433	9.541	ppbv 100
30) Cyclohexane	7.25	84	891506	10.304	ppbv 100
31) cis-1,2-Dichloroethene	5.64	61	1063121	10.373	ppbv 97
32) 1,1,1-Trichloroethane	6.62	97	1856832	9.707	ppbv 99
34) 2-Butanone	5.33	43	1546586	10.269	ppbv 99
35) Carbon Tetrachloride	7.13	117	1997755	10.335	ppbv 99
36) Benzene	7.00	78	2179953	10.336	ppbv 99
37) 1,2-Dichloroethane	6.41	62	1377363	9.360	ppbv 100
38) Trichloroethene	7.96	130	901793	11.656	ppbv 99
39) 1,2-Dichloropropane	7.73	63	795100	10.115	ppbv 99
40) 1,4-Dioxane	7.95	88	321205	10.225	ppbv 97
41) Tetrahydrofuran	6.15	42	859210	11.039	ppbv 99
42) Bromodichloromethane	7.92	83	1978431	10.413	ppbv 97
43) Methyl Methacrylate	8.14	69	902902	11.381	ppbv 99

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Instrument :
 MSVOA_L
 ClientSampleId :
 VL0514ABS01

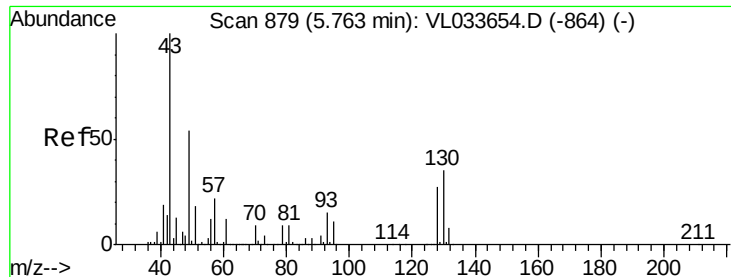
Manual Integrations
 APPROVED

MMDadoda
 5/16/2019 5:41:00 AM

Quant Time: May 15 02:44:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050619AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon May 0
 QLast Update : Mon May 06 15:19:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	3714775	10.301	ppbv	100
45) t-1,3-Dichloropropene	9.42	75	1202890	12.354	ppbv	99
46) cis-1,3-Dichloropropene	8.83	75	1349862	11.108	ppbv	97
47) 1,1,2-Trichloroethane	9.61	97	900349	9.974	ppbv	98
48) Dibromochloromethane	10.45	129	1691136	11.052	ppbv	100
49) Bromoform	13.20	173	1538318	11.573	ppbv	100
50) 4-Methyl-2-Pentanone	8.87	43	2358426	10.341	ppbv	100
51) 2-Hexanone	10.27	43	1957242	11.078	ppbv #	100
52) Tetrachloroethene	11.37	164	848725	11.359	ppbv	96
53) Toluene	9.95	91	2561644	11.242	ppbv	99
54) 1,2-Dibromoethane	10.76	107	1495576	10.999	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.28	131	1153481	10.072	ppbv	99
57) Chlorobenzene	12.30	112	1999673	9.810	ppbv	97
58) Ethyl Benzene	12.86	91	3559170	10.993	ppbv	99
59) m/p-Xylene	13.15	91	5994713m	21.021	ppbv	
60) o-Xylene	13.85	91	3068799	10.633	ppbv	100
61) Styrene	13.68	104	2289256	11.912	ppbv	100
62) Isopropylbenzene	14.83	105	4117795	10.450	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.84	83	2102983	10.012	ppbv	100
64) n-propylbenzene	15.72	120	1066415	10.472	ppbv	98
65) tert-Butylbenzene	16.91	119	3784013	10.468	ppbv	100
66) Benzyl Chloride	17.15	91	2209580	13.437	ppbv	99
67) sec-Butylbenzene	17.46	105	5310437	10.530	ppbv	100
69) p-Isopropyltoluene	17.81	119	4432428	10.666	ppbv	100
70) n-Butylbenzene	18.71	91	4636948	10.523	ppbv	100
71) 2-Chlorotoluene	15.61	91	3150044	10.820	ppbv	100
72) 4-Ethyltoluene	16.00	105	3623871	10.683	ppbv	99
73) 1,3,5-Trimethylbenzene	16.16	105	3468125	10.574	ppbv	98
74) 1,2,4-Trimethylbenzene	16.93	105	3632102	9.962	ppbv	99
75) 1,3-Dichlorobenzene	17.16	146	2137095	9.705	ppbv	99
76) 1,4-Dichlorobenzene	17.31	146	2119698	10.143	ppbv	100
77) 1,2-Dichlorobenzene	17.98	146	2022204	9.912	ppbv	100
78) Hexachloro-1,3-Butadiene	23.54	225	1230709	7.612	ppbv	99
79) Naphthalene	22.41	128	3133244	9.413	ppbv	99
80) Naphthalene, 2-methyl-	25.11	142	1058558	8.412	ppbv	99
81) 1,2,4-Trichlorobenzene	22.14	180	1729451	8.943	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 879

Delta R.T. 0.00 min

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Acq: 14 May 2019 12:19

Instrument :

MSVOA_L

ClientSampleId :

VL0514ABS01

Tot Ion: 49 Resp: 990252

Ion Ratio Lower Upper

49 100

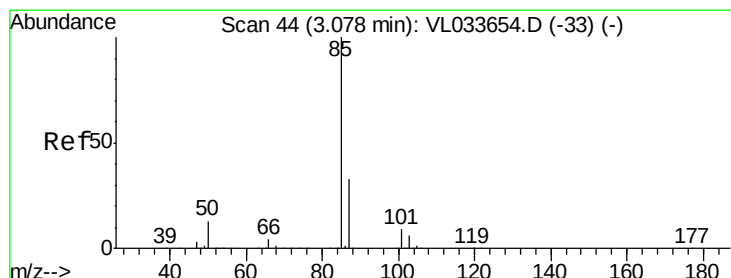
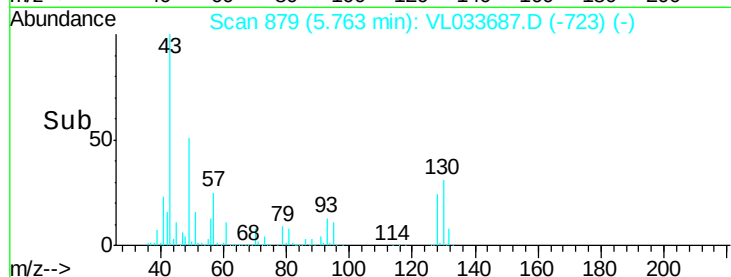
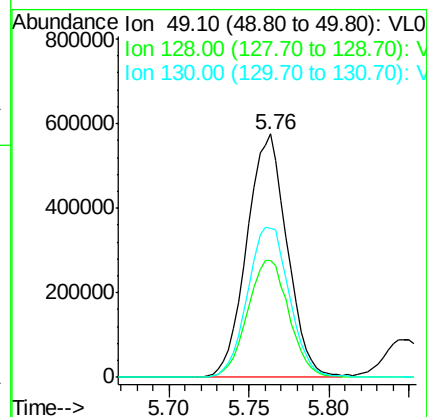
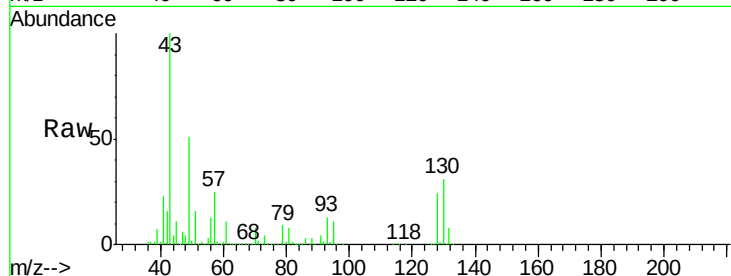
128 49.6 24.8 74.3

130 64.4 32.1 96.5

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#2

Dichlorodifluoromethane

Concen: 7.369 ppbv

RT: 3.07 min Scan# 43

Delta R.T. -0.00 min

Lab File: VL033687.D

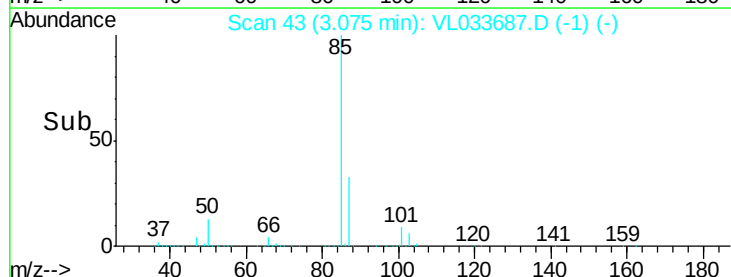
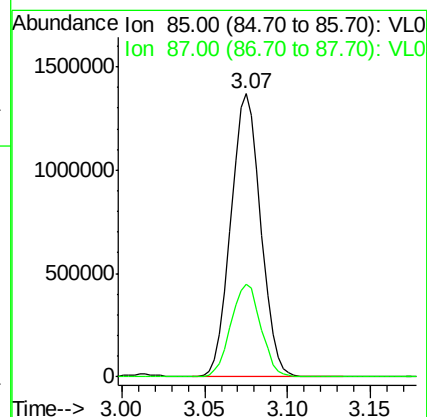
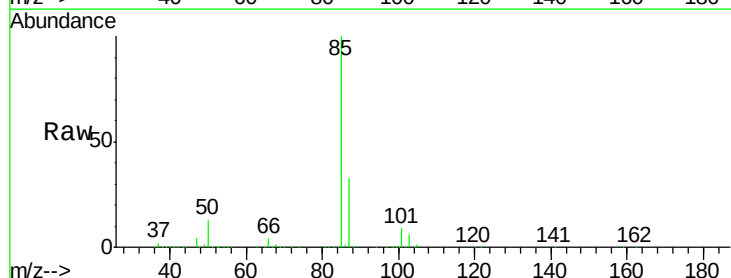
Acq: 14 May 2019 12:19

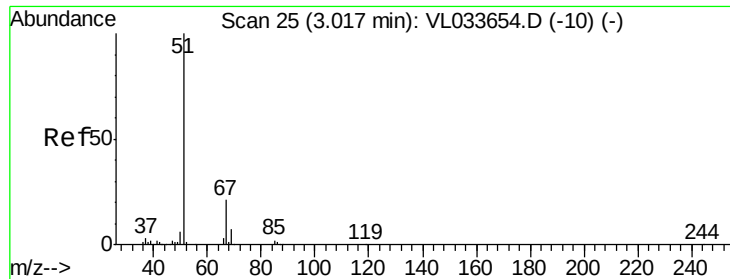
Tgt Ion: 85 Resp: 1711419

Ion Ratio Lower Upper

85 100

87 32.8 26.0 39.0





#3

Chlorodifluoromethane

Concen: 7.812 ppbv

RT: 3.01 min Scan# 24

Delta R.T. -0.00 min

Lab File: VL033687.D

Acq: 14 May 2019 12:19

Instrument :

MSVOA_L

ClientSampleId :

VL0514ABS01

Tot Ion: 51 Resp: 1117134

Ion Ratio Lower Upper

51 100

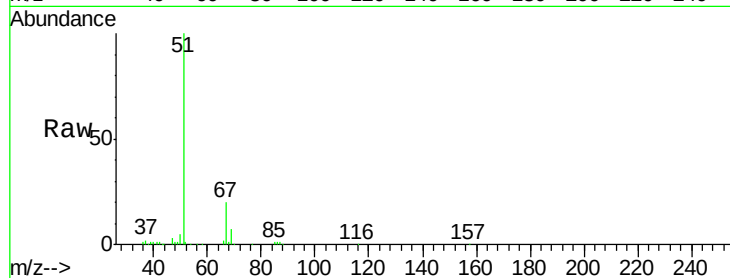
67 20.2 15.7 23.5

Manual Integrations

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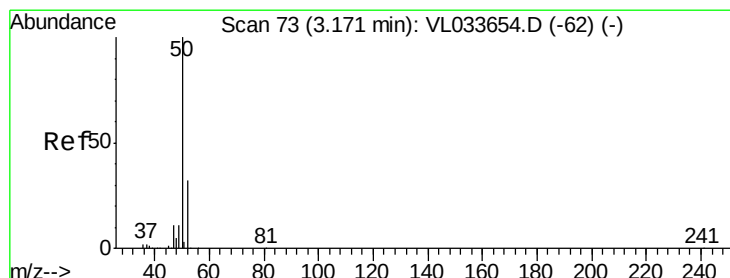
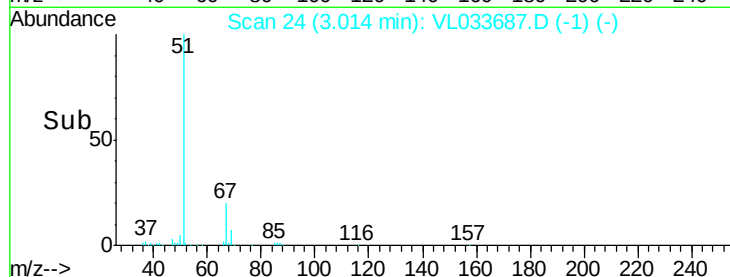
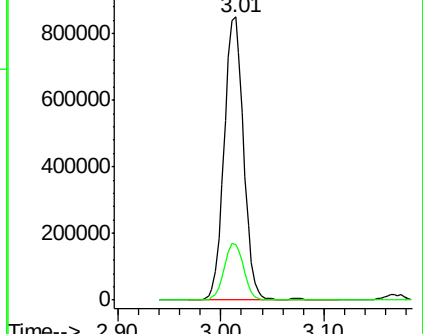
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5/16/2019 5:41:00 AM



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 7.879 ppbv

RT: 3.17 min Scan# 72

Delta R.T. -0.00 min

Lab File: VL033687.D

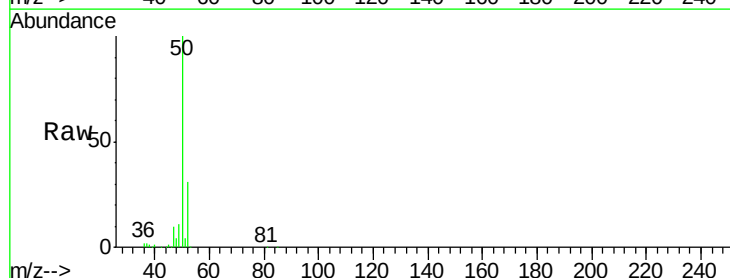
Acq: 14 May 2019 12:19

Tgt Ion: 50 Resp: 585785

Ion Ratio Lower Upper

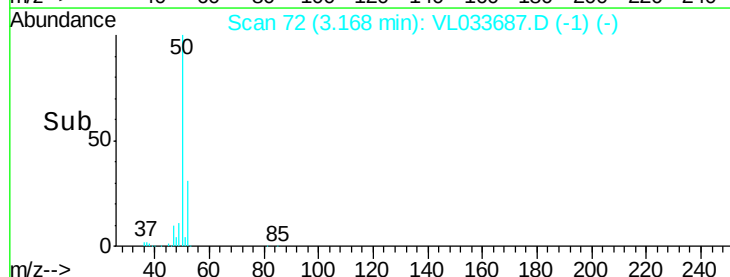
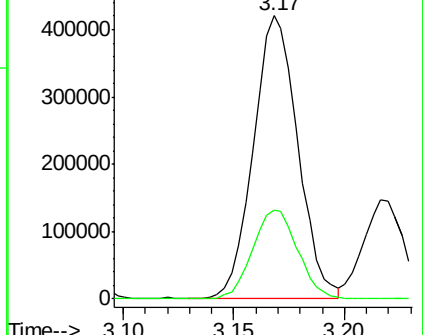
50 100

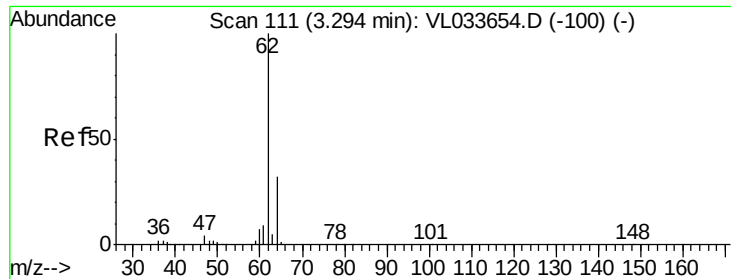
52 31.2 25.8 38.8



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 7.862 ppbv

RT: 3.29 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL033687.D

Acq: 14 May 2019 12:19

Instrument :

MSVOA_L

ClientSampleId :

VL0514ABS01

Tot Ion: 62 Resp: 568289

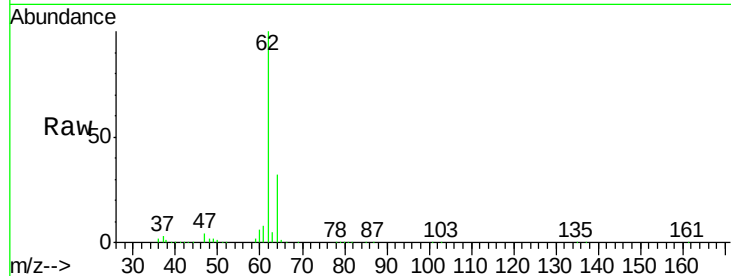
Ion Ratio Lower Upper

62 100

64 32.2 25.6 38.4

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.29

400000

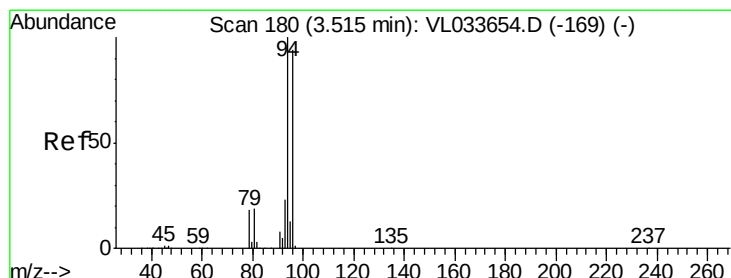
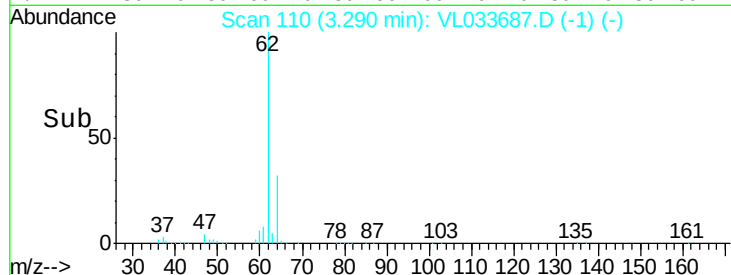
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 8.402 ppbv

RT: 3.51 min Scan# 179

Delta R.T. -0.00 min

Lab File: VL033687.D

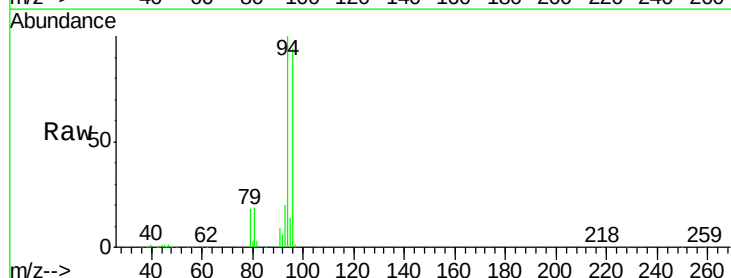
Acq: 14 May 2019 12:19

Tgt Ion: 94 Resp: 385837

Ion Ratio Lower Upper

94 100

96 93.5 75.2 112.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.51

300000

250000

200000

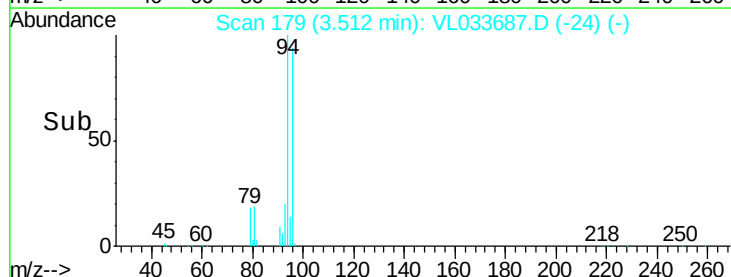
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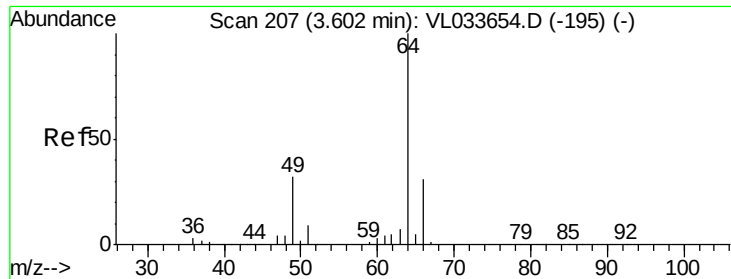
100000

50000

0

Time-->





#7

Chloroethane

Concen: 8.365 ppbv

RT: 3.60 min Scan# 206

Delta R.T. -0.00 min

Lab File: VL033687.D

Acq: 14 May 2019 12:19

Instrument :

MSVOA_L

ClientSampleId :

VL0514ABS01

Tot Ion: 64 Resp: 219499

Ion Ratio Lower Upper

64 100

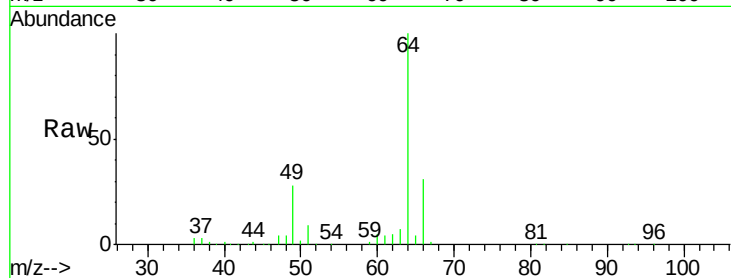
66 31.0 25.1 37.7

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

3.60

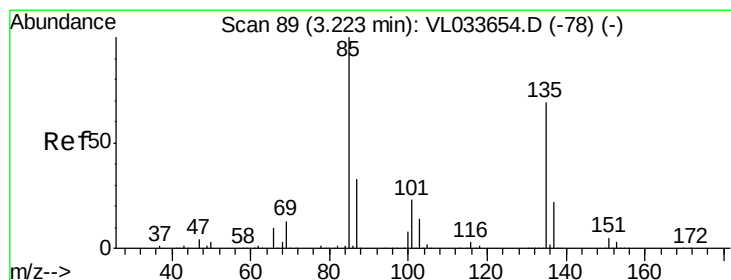
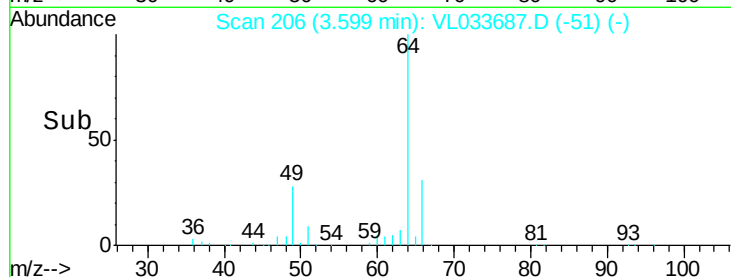
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 7.895 ppbv

RT: 3.22 min Scan# 88

Delta R.T. -0.00 min

Lab File: VL033687.D

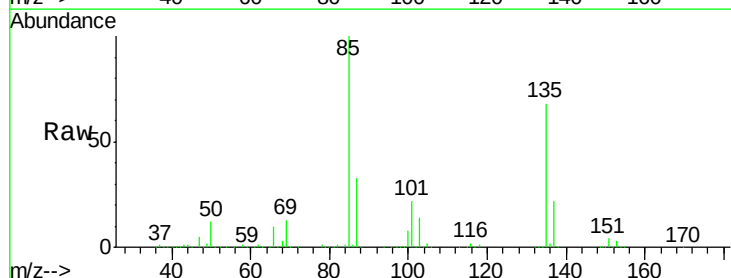
Acq: 14 May 2019 12:19

Tgt Ion: 85 Resp: 1509266

Ion Ratio Lower Upper

85 100

135 67.1 54.3 81.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

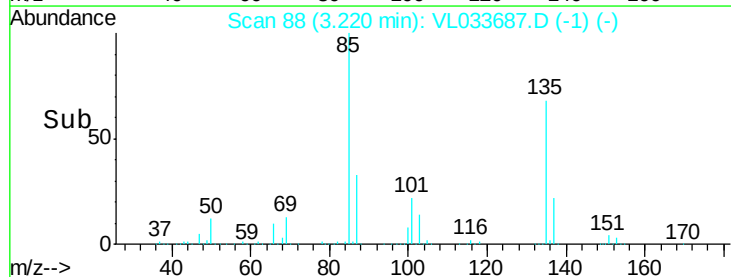
3.22

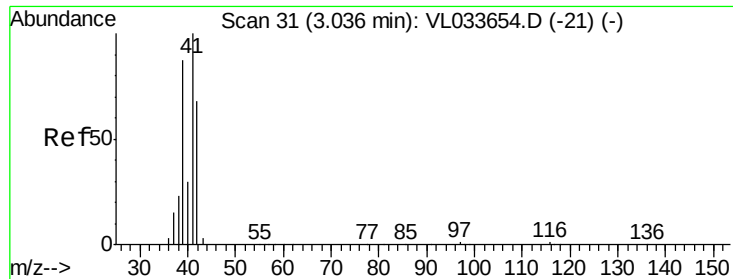
1000000

500000

0

Time-->





#9

Propene

Concen: 8.202 ppbv

RT: 3.03 min Scan# 30

Delta R.T. -0.00 min

Lab File: VL033687.D

Acq: 14 May 2019 12:19

Instrument :

MSVOA_L

ClientSampleId :

VL0514ABS01

Tot Ion: 41 Resp: 447190

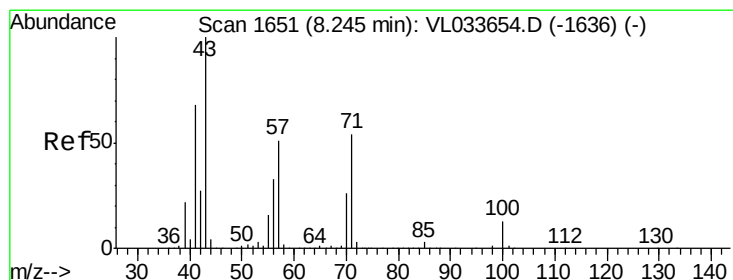
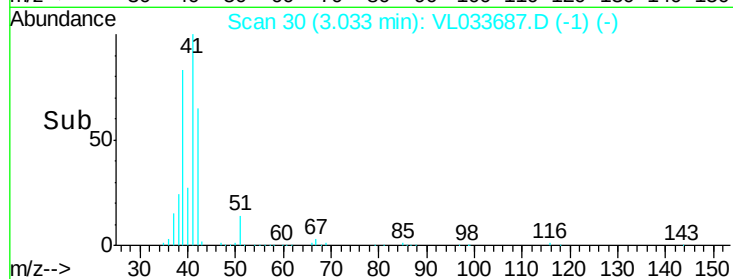
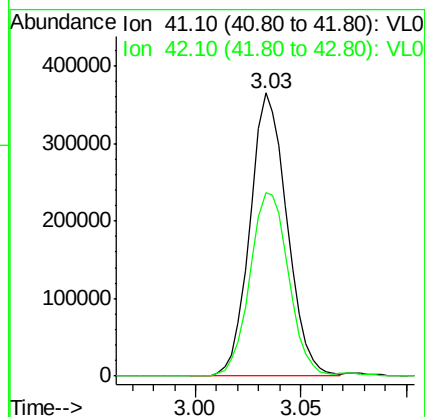
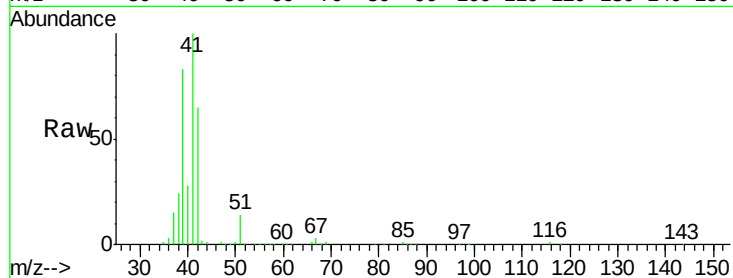
Ion Ratio Lower Upper

41 100

42 68.4 55.6 83.4

Manual Integrations
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#10

Heptane

Concen: 9.893 ppbv

RT: 8.25 min Scan# 1651

Delta R.T. 0.00 min

Lab File: VL033687.D

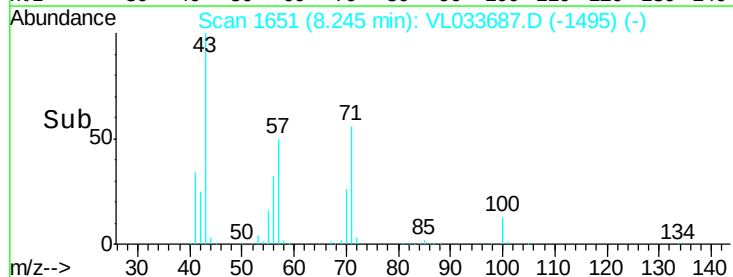
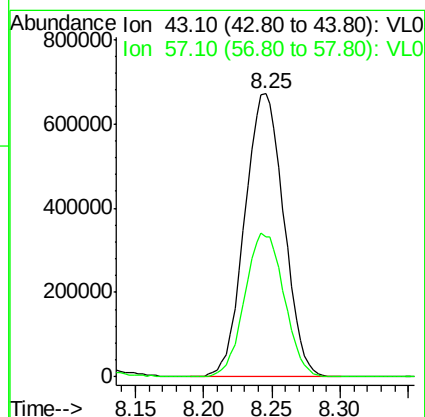
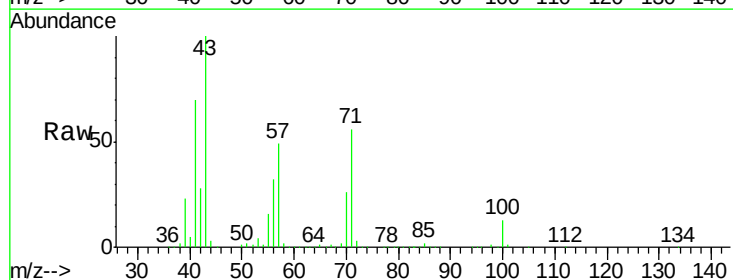
Acq: 14 May 2019 12:19

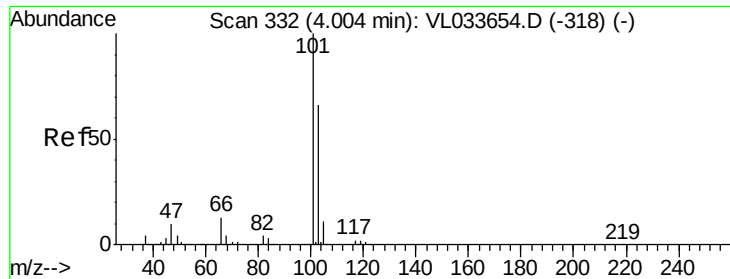
Tgt Ion: 43 Resp: 1331059

Ion Ratio Lower Upper

43 100

57 51.4 41.8 62.6





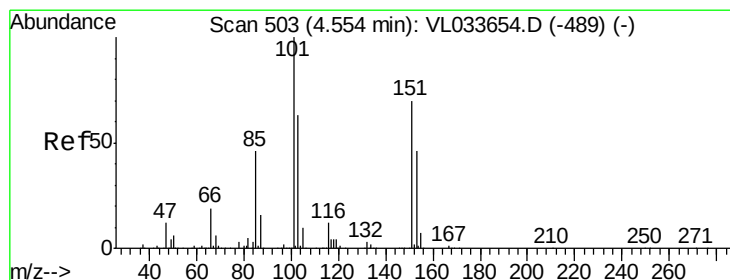
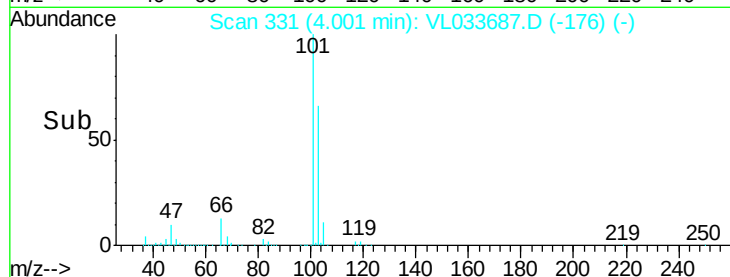
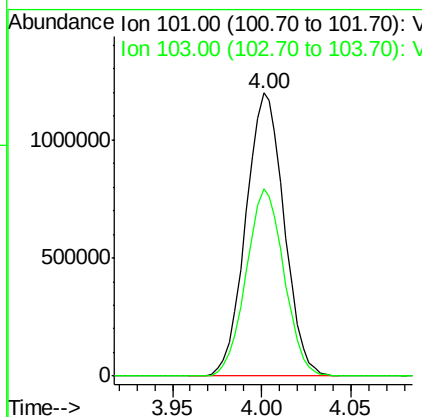
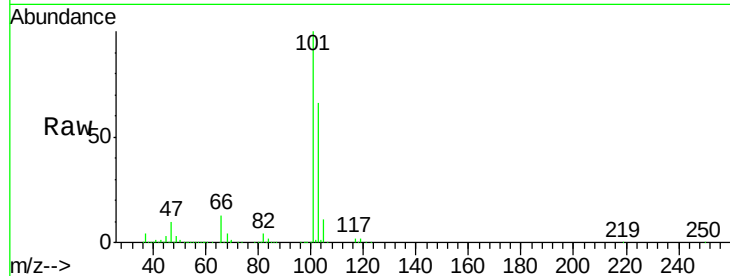
#11
 Trichlorofluoromethane
 Concen: 8.311 ppbv
 RT: 4.00 min Scan# 331
 Delta R.T. -0.00 min
 Lab File: VL033687.D
 Acq: 14 May 2019 12:19

Instrument :
 MSVOA_L
 ClientSampled :
 VL0514ABS01

Tot Ion:101 Resp: 1802475
 Ion Ratio Lower Upper
 101 100
 103 66.0 52.7 79.1

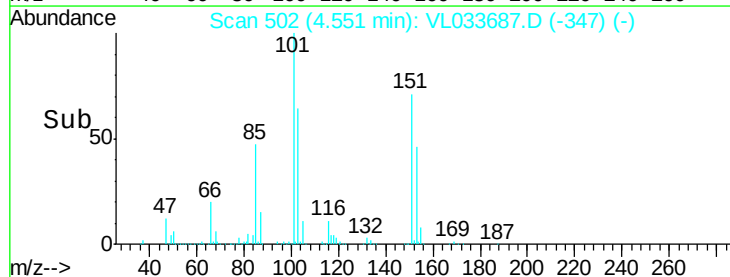
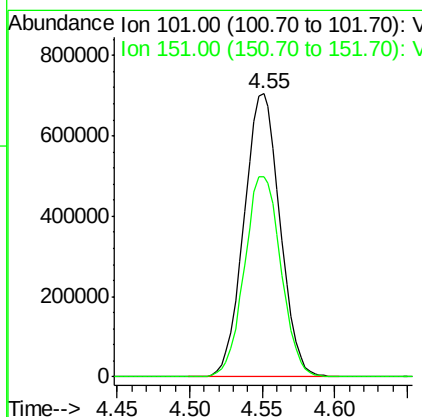
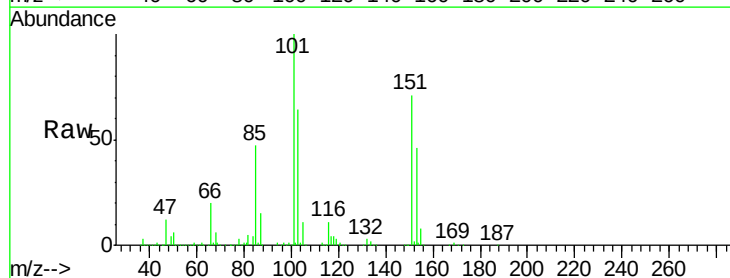
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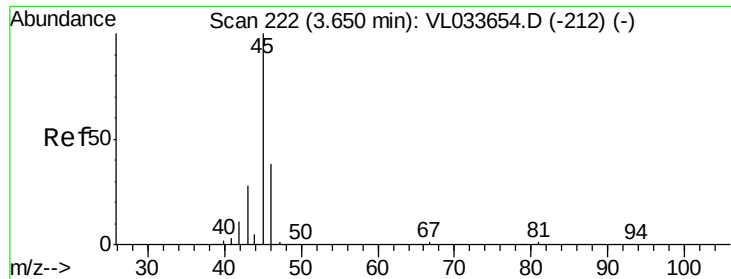
MMDadoda
 5/16/2019 5:41:00 AM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.358 ppbv
 RT: 4.55 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VL033687.D
 Acq: 14 May 2019 12:19

Tgt Ion:101 Resp: 1218581
 Ion Ratio Lower Upper
 101 100
 151 71.9 58.0 87.0





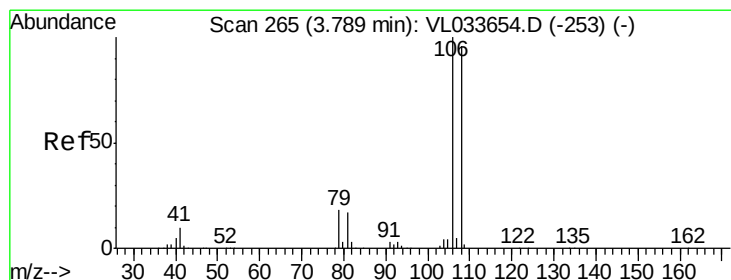
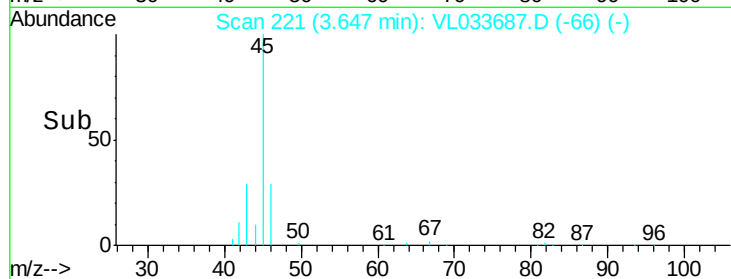
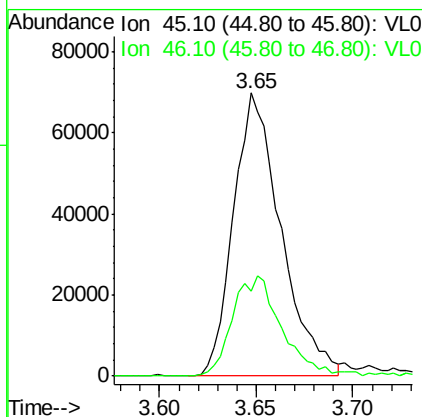
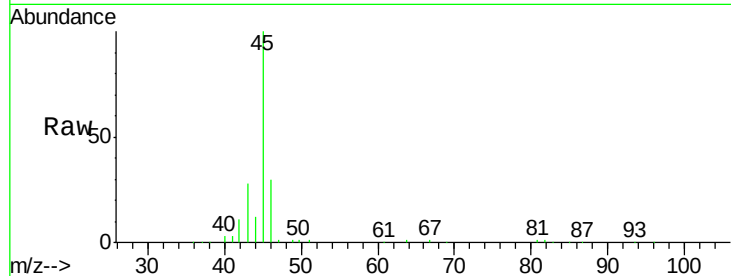
#13
Ethanol
Concen: 7.308 ppbv
RT: 3.65 min Scan# 221
Delta R.T. -0.00 min
Lab File: VL033687.D
Acq: 14 May 2019 12:19

Instrument :
MSVOA_L
ClientSampleId :
VL0514ABS01

Tot Ion	45	46	Ratio	Lower	Upper
119596	100	37.5		14.9	59.7

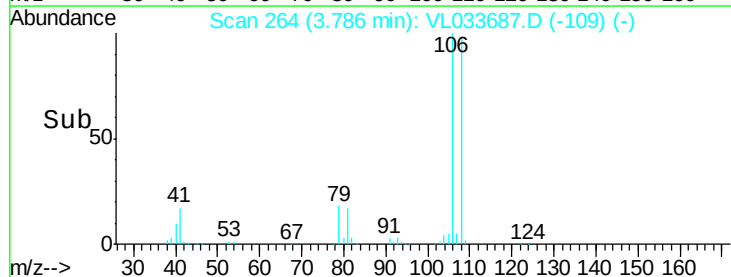
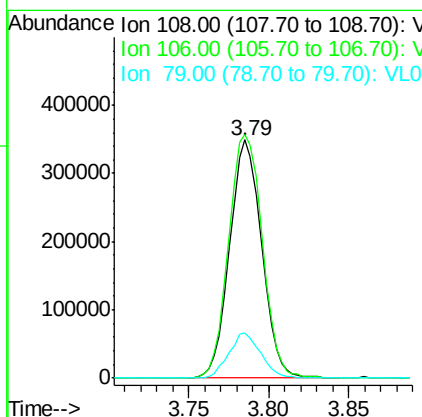
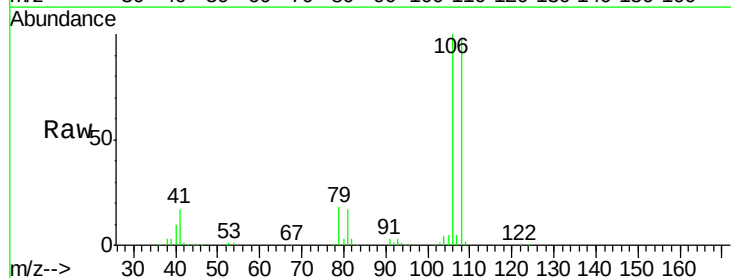
Manual Integrations
APPROVED

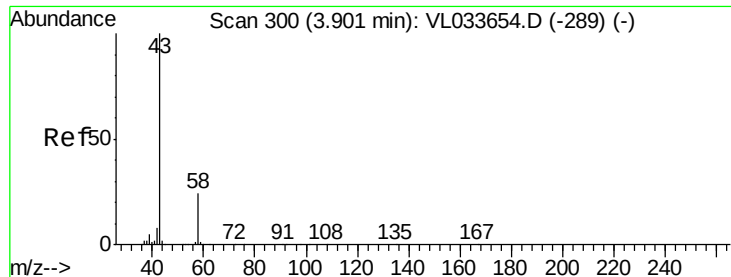
MMDadoda
5/16/2019 5:41:00 AM



#14
Bromoethene
Concen: 8.272 ppbv
RT: 3.79 min Scan# 264
Delta R.T. -0.00 min
Lab File: VL033687.D
Acq: 14 May 2019 12:19

Tgt Ion	108	106	79	Ratio	Lower	Upper
475386	100	107.8	18.9		85.7	128.5
					15.2	22.8





#15

Acetone

Concen: 7.613 ppbv

RT: 3.90 min Scan# 299

Delta R.T. -0.00 min

Lab File: VL033687.D

Acq: 14 May 2019 12:19

Tot Ion: 43 Resp: 1121567

Ion Ratio Lower Upper

43 100

58 26.0 20.9 31.3

Instrument :

MSVOA_L

ClientSampleId :

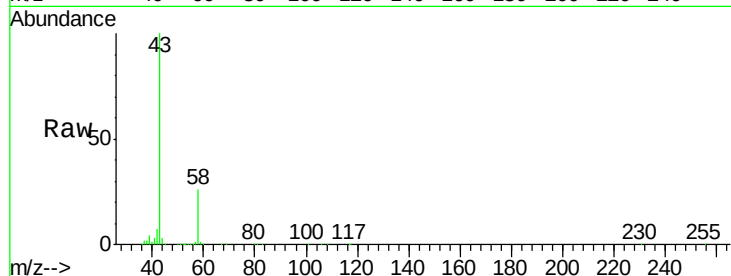
VL0514ABS01

Manual Integrations

APPROVED

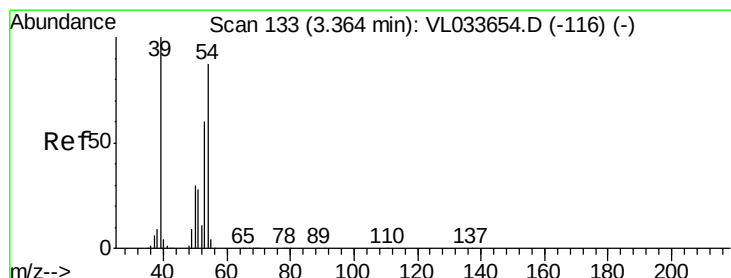
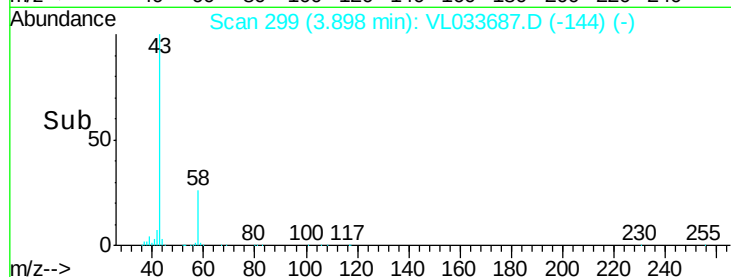
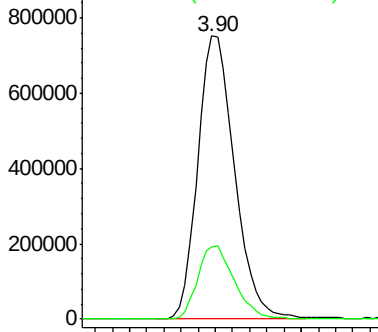
MMDadoda

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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: 8.232 ppbv

RT: 3.36 min Scan# 132

Delta R.T. -0.00 min

Lab File: VL033687.D

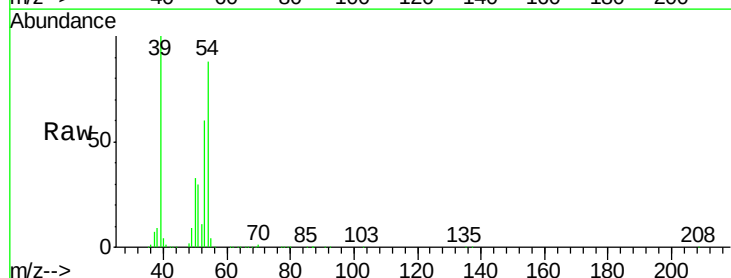
Acq: 14 May 2019 12:19

Tgt Ion: 39 Resp: 520125

Ion Ratio Lower Upper

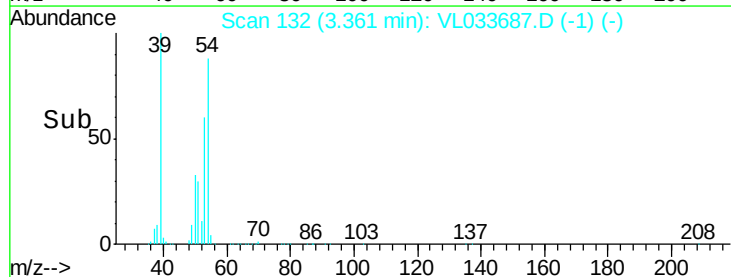
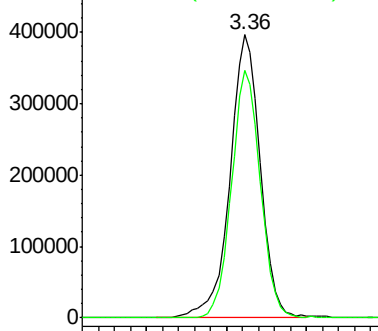
39 100

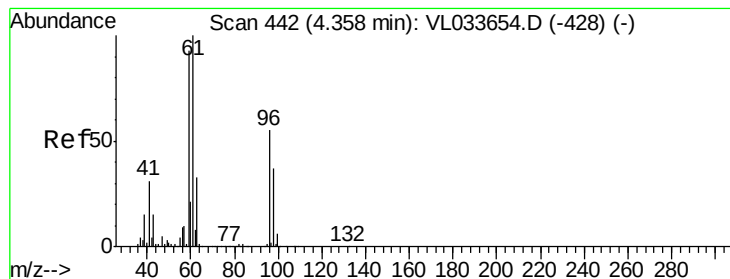
54 83.6 67.0 100.4



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

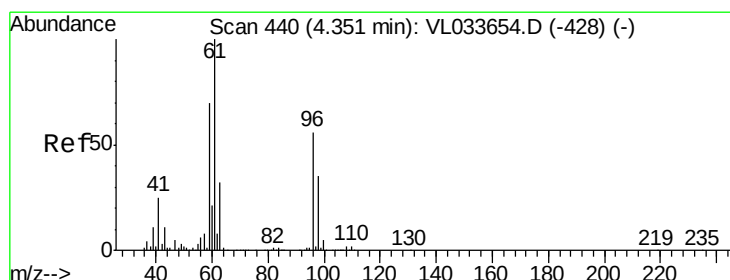
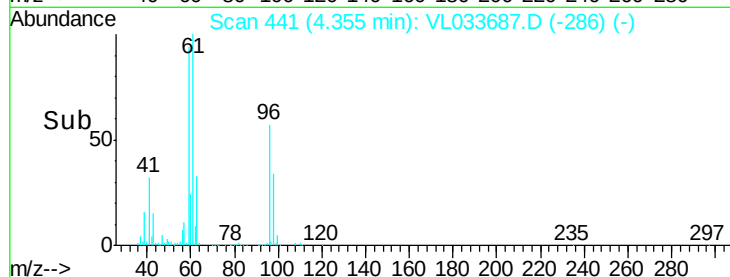
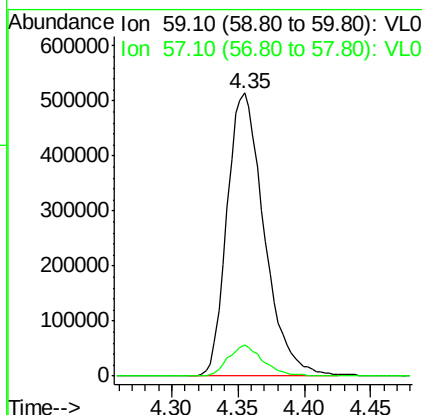
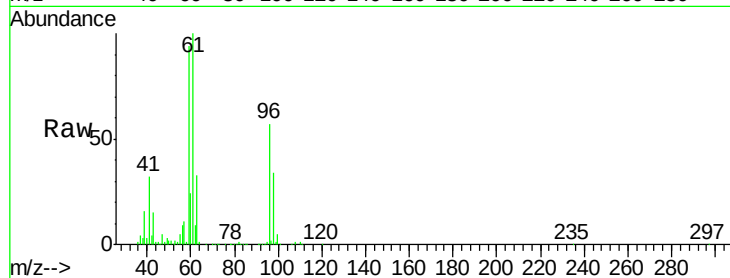
tert-Butyl alcohol
Concen: 8.957 ppbv
RT: 4.35 min Scan# 441
Delta R.T. -0.00 min
Lab File: VL033687.D
Acq: 14 May 2019 12:19

Instrument :
MSVOA_L
ClientSampleId :
VL0514ABS01

Tot Ion: 59 Resp: 1002212
Ion Ratio Lower Upper
59 100
57 10.6 8.4 12.6

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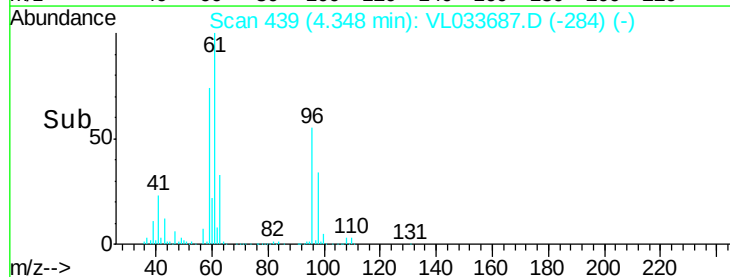
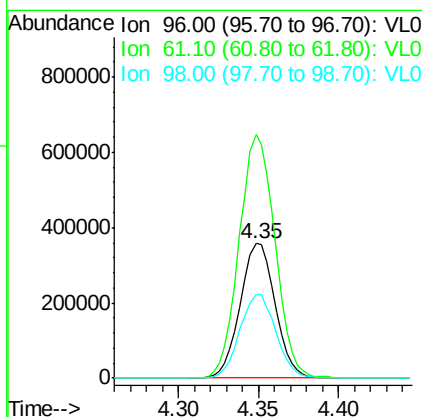
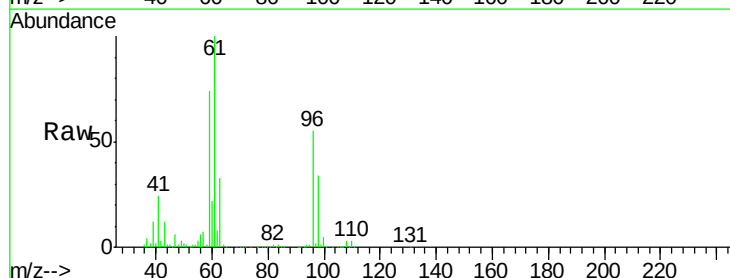
MMDadoda
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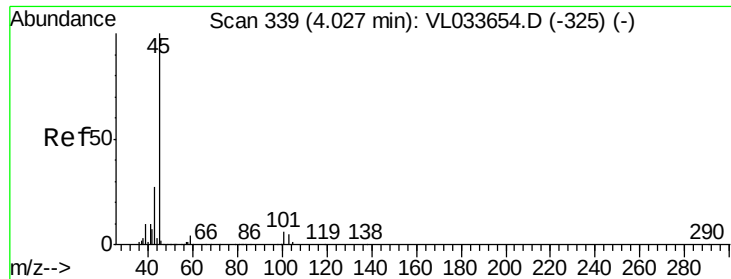


#18

1,1-Dichloroethene
Concen: 8.464 ppbv
RT: 4.35 min Scan# 439
Delta R.T. -0.00 min
Lab File: VL033687.D
Acq: 14 May 2019 12:19

Tgt Ion: 96 Resp: 532790
Ion Ratio Lower Upper
96 100
61 181.1 143.4 215.0
98 61.9 50.4 75.6





#19

Isopropyl Alcohol

Concen: 8.509 ppbv

RT: 4.02 min Scan# 337

Delta R.T. -0.01 min

Lab File: VL033687.D

Acq: 14 May 2019 12:19

Instrument :

MSVOA_L

ClientSampleId :

VL0514ABS01

Tot Ion: 45 Resp: 770093

Ion Ratio Lower Upper

45 100

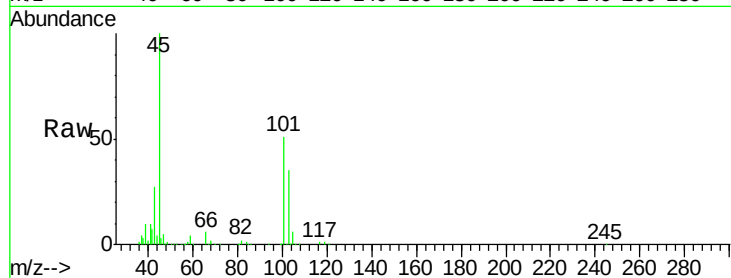
58 2.4 2.0 3.0

Manual Integrations

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5/16/2019 5:41:00 AM



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

4.02

500000

400000

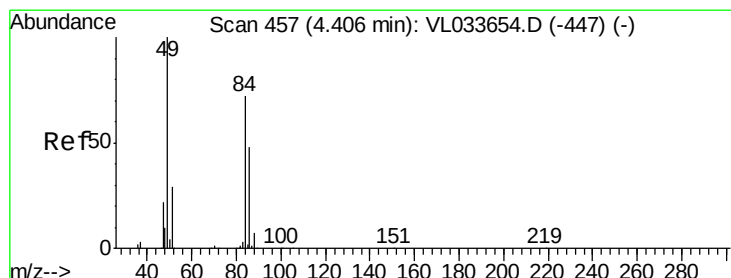
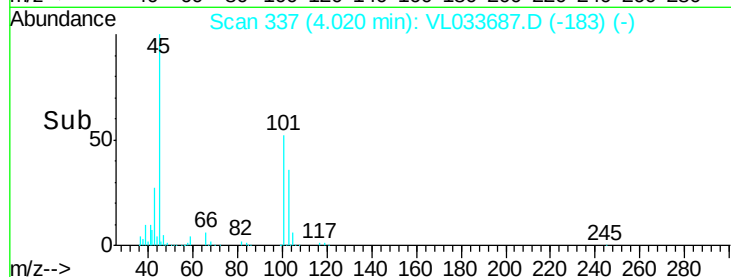
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 8.000 ppbv

RT: 4.41 min Scan# 457

Delta R.T. 0.00 min

Lab File: VL033687.D

Acq: 14 May 2019 12:19

Tgt Ion: 84 Resp: 447471

Ion Ratio Lower Upper

84 100

49 145.8 111.8 167.6

51 44.0 32.3 48.5

86 64.1 53.9 80.9

Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

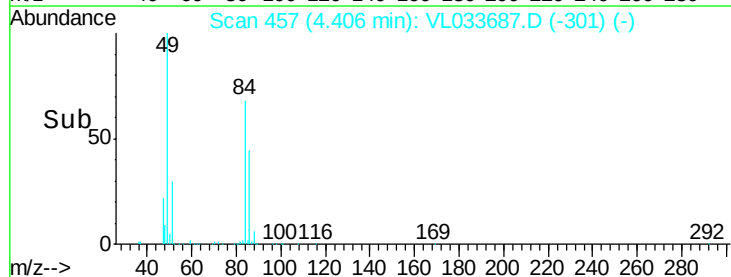
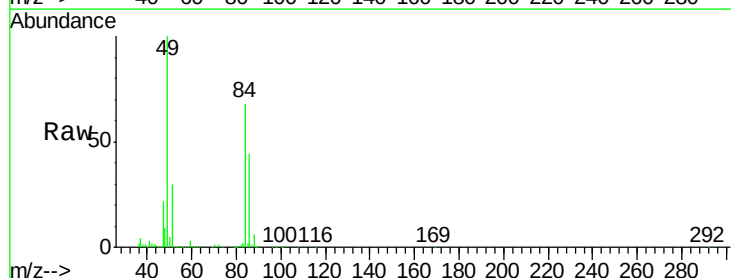
600000

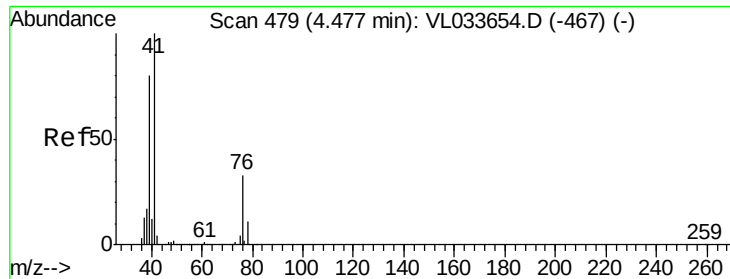
400000

200000

0

Time-->





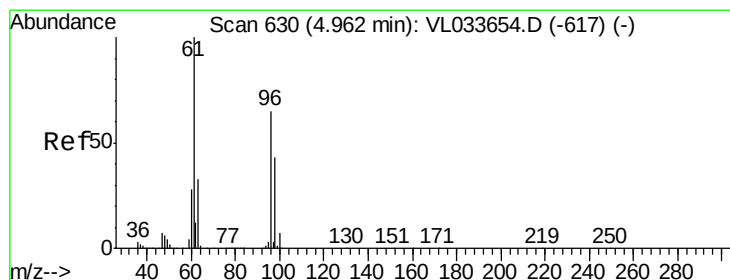
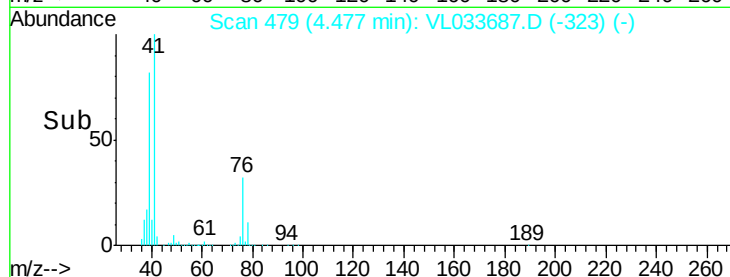
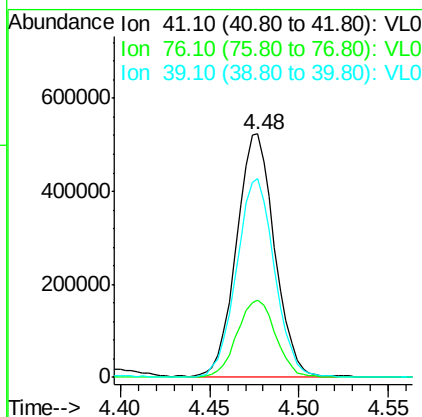
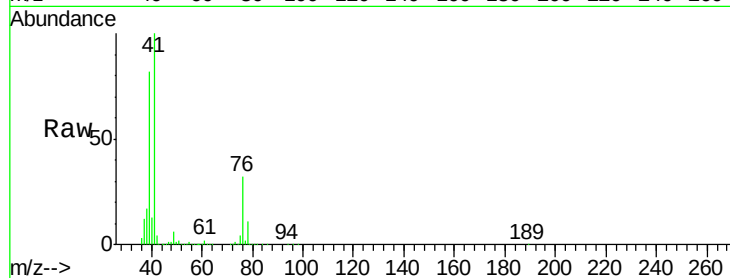
#21
Allvl Chloride
Concen: 8.712 ppbv
RT: 4.48 min Scan# 479
Delta R.T. 0.00 min
Lab File: VL033687.D
Acq: 14 May 2019 12:19

Instrument :
MSVOA_L
ClientSampleId :
VL0514ABS01

Tot Ion	Ratio	Lower	Upper
41	100		
76	32.5	26.0	39.0
39	82.6	64.4	96.6

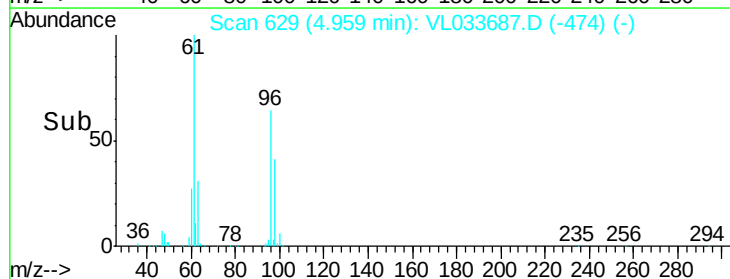
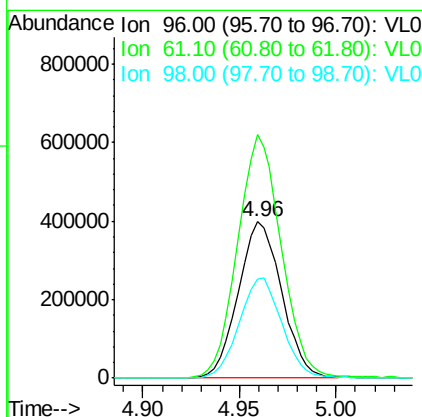
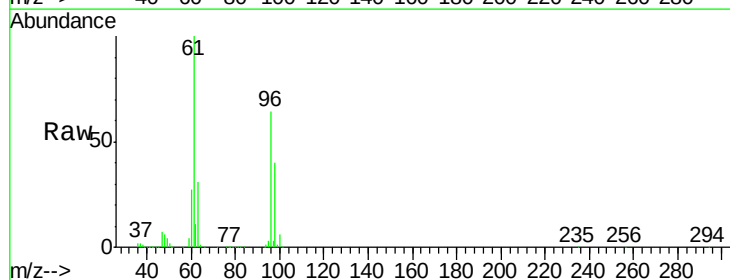
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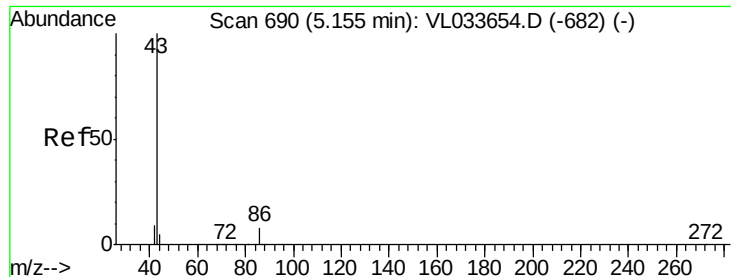
MMDadoda
5/16/2019 5:41:00 AM



#22
trans-1,2-Dichloroethene
Concen: 9.807 ppbv
RT: 4.96 min Scan# 629
Delta R.T. -0.00 min
Lab File: VL033687.D
Acq: 14 May 2019 12:19

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.9	123.1	184.7
98	63.1	52.6	79.0





#23

Vinyl Acetate

Concen: 10.156 ppbv

RT: 5.15 min Scan# 689

Delta R.T. -0.00 min

Lab File: VL033687.D

Acq: 14 May 2019 12:19

Instrument :

MSVOA_L

ClientSampleId :

VL0514ABS01

Tot Ion: 43 Resp: 1944207

Ion	Ratio	Lower	Upper
43	100		
86	7.8	6.0	9.0
42	9.7	8.0	12.0
44	5.7	3.9	5.9

43 100

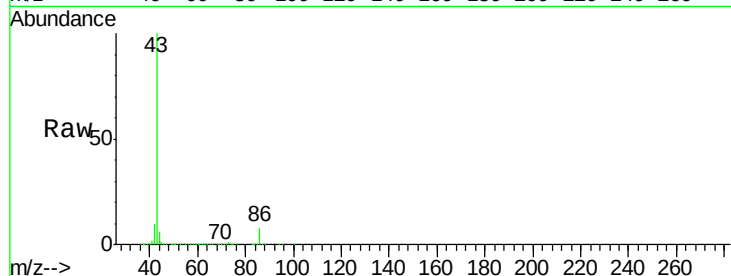
86 7.8 6.0 9.0

42 9.7 8.0 12.0

44 5.7 3.9 5.9

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MMDadoda
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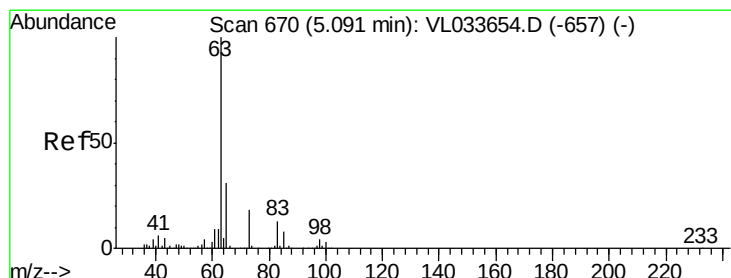
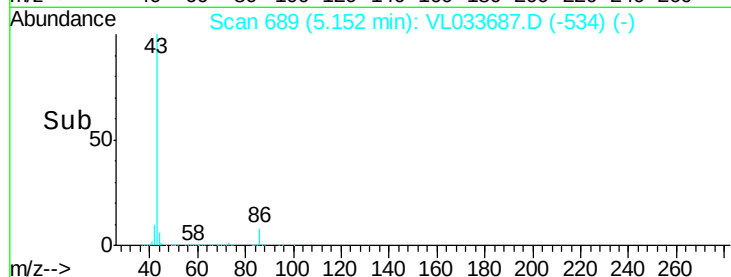
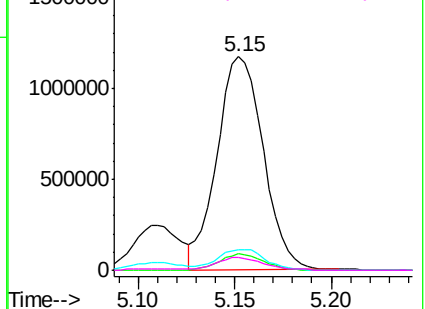


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.331 ppbv

RT: 5.09 min Scan# 670

Delta R.T. 0.00 min

Lab File: VL033687.D

Acq: 14 May 2019 12:19

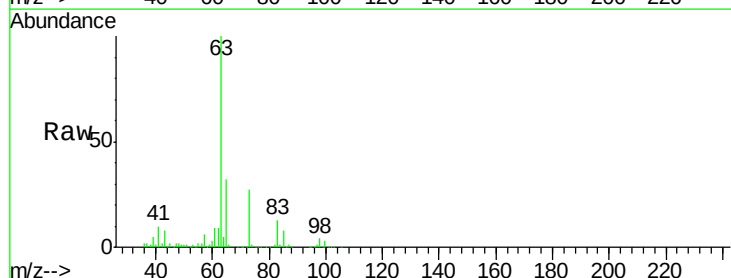
Tgt Ion: 63 Resp: 1351234

Ion	Ratio	Lower	Upper
63	100		
98	4.2	2.1	6.2
100	3.1	1.5	4.4

63 100

98 4.2 2.1 6.2

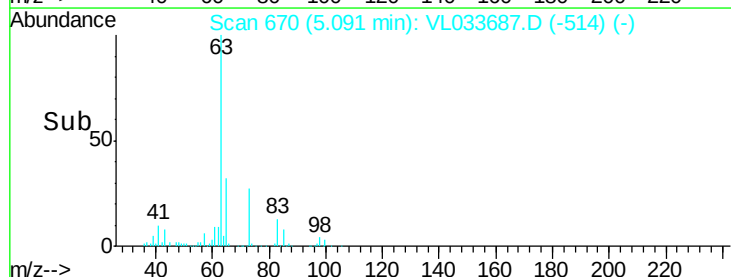
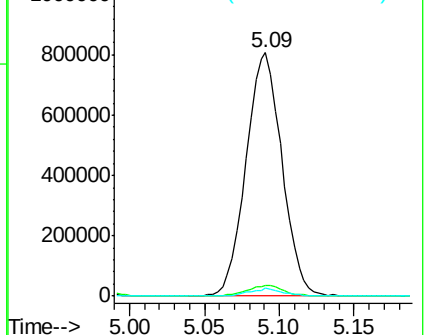
100 3.1 1.5 4.4

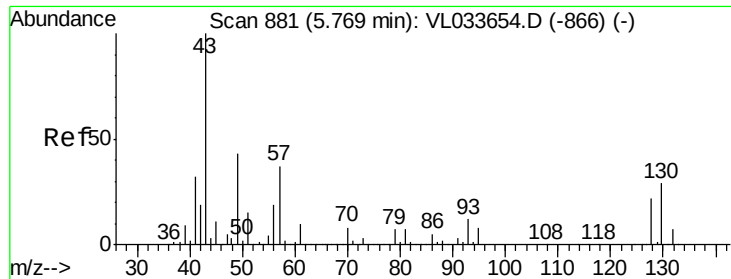


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





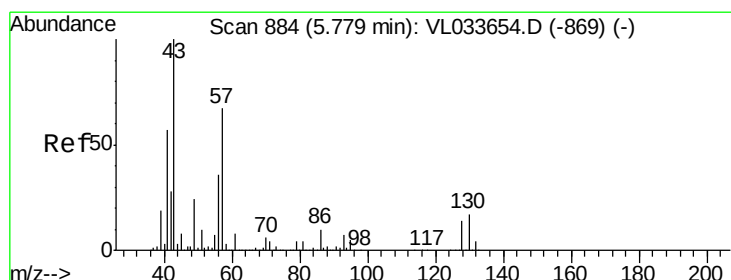
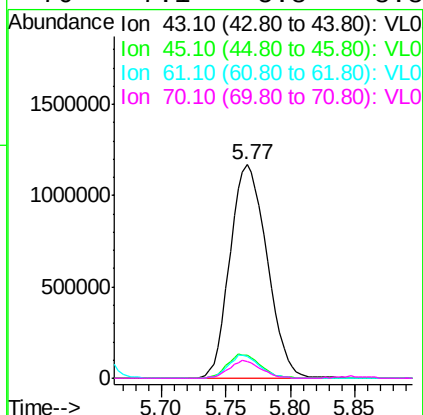
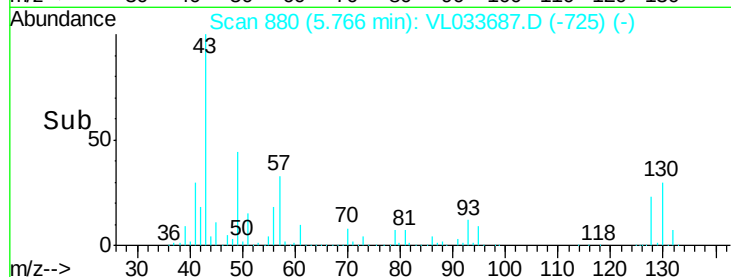
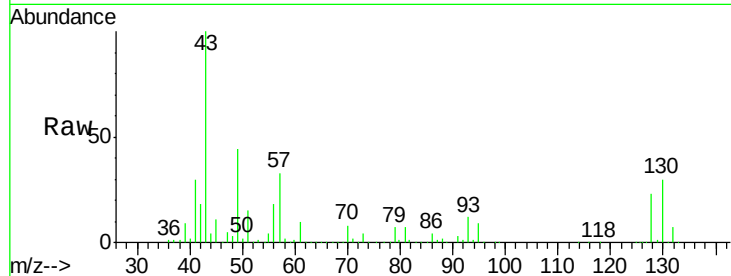
#25
Ethyl Acetate
Concen: 9.735 ppbv
RT: 5.77 min Scan# 880
Delta R.T. -0.00 min
Lab File: VL033687.D
Acq: 14 May 2019 12:19

Instrument :
MSVOA_L
ClientSampleId :
VL0514ABS01

Tot Ion:	43	Resp:	2333327
Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.0	12.0
61	9.1	7.5	11.3
70	7.1	5.8	8.8

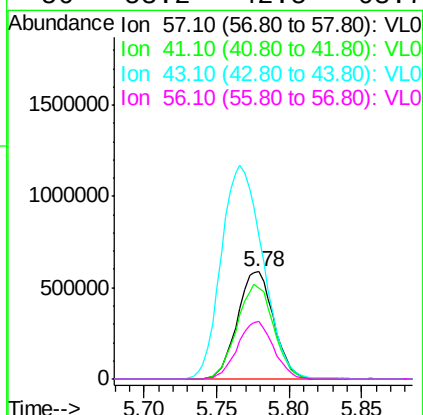
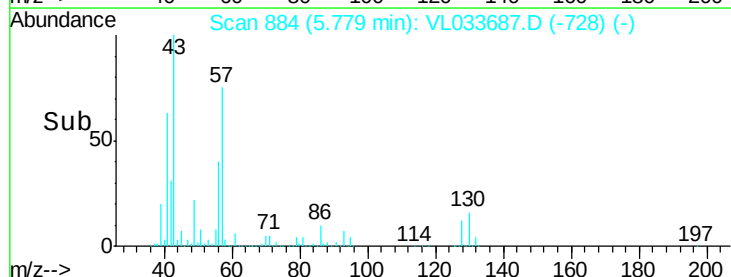
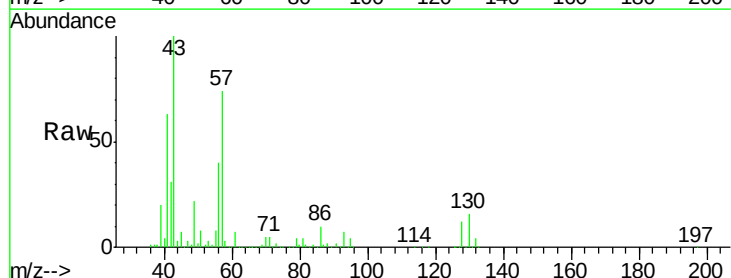
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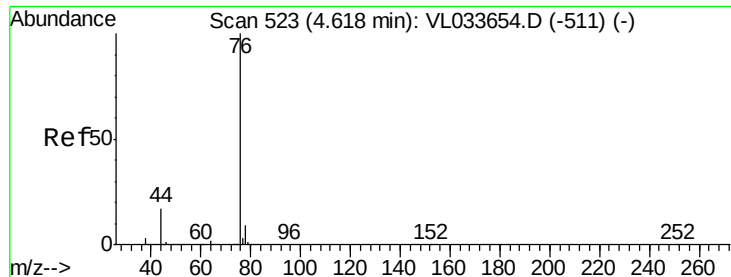
MMDadoda
5/16/2019 5:41:00 AM



#26
Hexane
Concen: 9.927 ppbv
RT: 5.78 min Scan# 884
Delta R.T. 0.00 min
Lab File: VL033687.D
Acq: 14 May 2019 12:19

Tgt Ion:	57	Resp:	1022719
Ion	Ratio	Lower	Upper
57	100		
41	89.3	69.7	104.5
43	229.6	181.9	272.9
56	53.2	42.5	63.7





#27

Carbon Disulfide

Concen: 9.582 ppbv

RT: 4.62 min Scan# 523

Delta R.T. 0.00 min

Lab File: VL033687.D

Acq: 14 May 2019 12:19

Instrument :

MSVOA_L

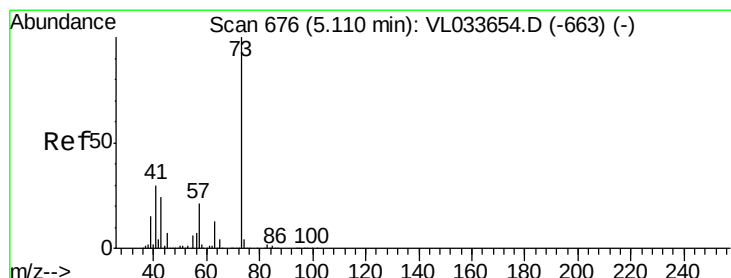
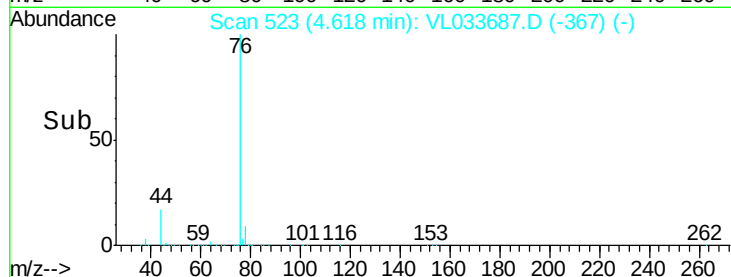
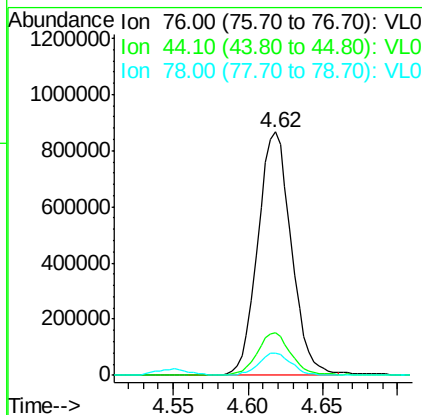
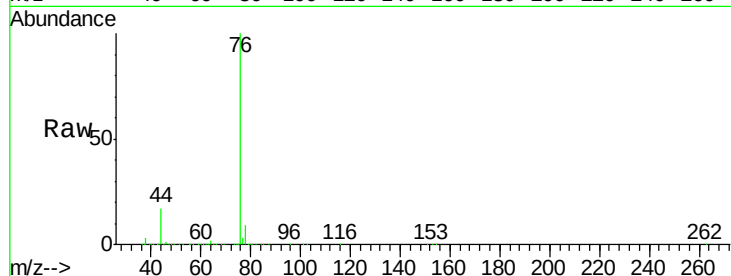
ClientSampleId :

VL0514ABS01

Tot Ion:	76	Resp:	1350246
Ion	Ratio	Lower	Upper
76	100		
44	17.1	14.4	21.6
78	9.0	7.4	11.2

Manual Integrations
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MMDadoda
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#28

Methyl tert-Butyl Ether

Concen: 9.940 ppbv

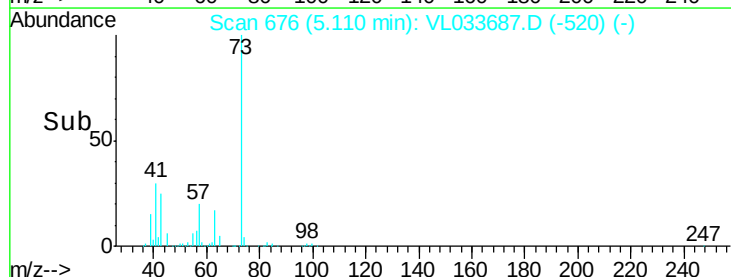
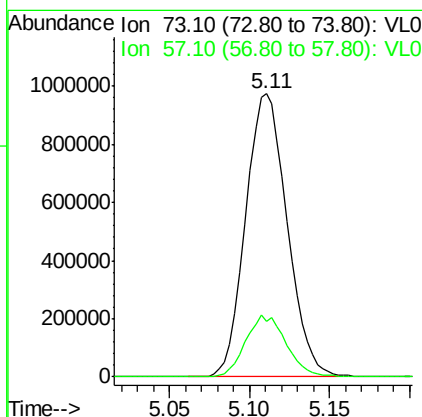
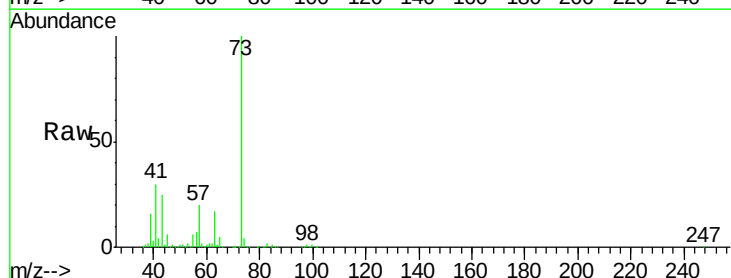
RT: 5.11 min Scan# 676

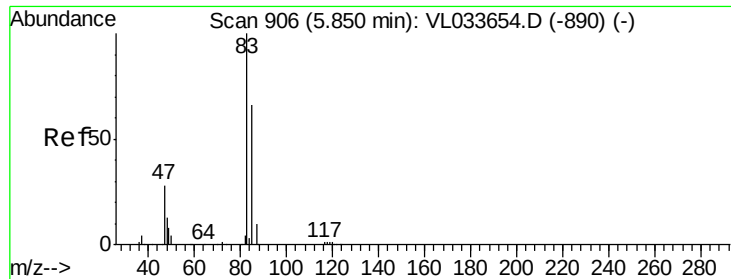
Delta R.T. 0.00 min

Lab File: VL033687.D

Acq: 14 May 2019 12:19

Tgt Ion:	73	Resp:	1724830
Ion	Ratio	Lower	Upper
73	100		
57	21.5	17.4	26.0





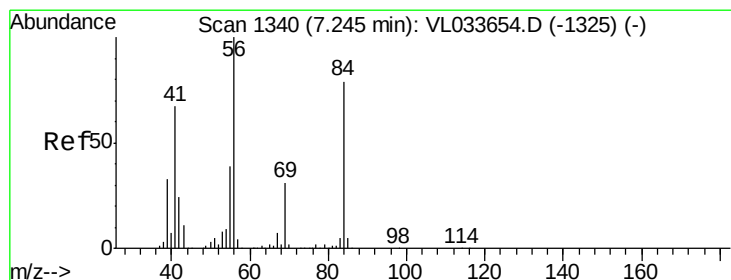
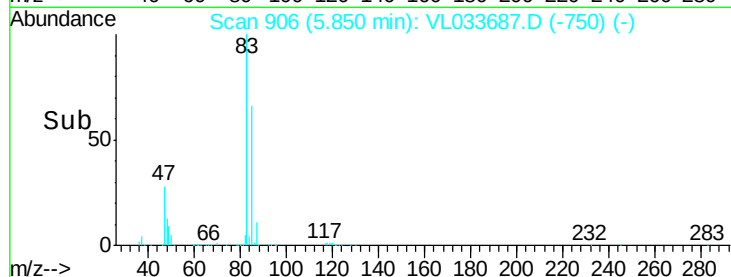
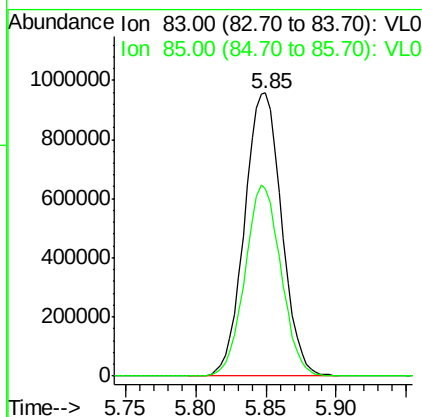
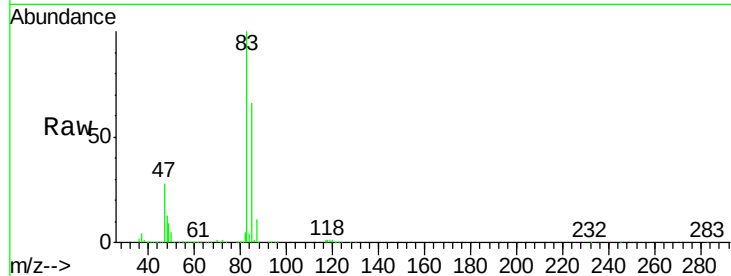
#29
Chloroform
Concen: 9.541 ppbv
RT: 5.85 min Scan# 906
Delta R.T. 0.00 min
Lab File: VL033687.D
Acq: 14 May 2019 12:19

Instrument :
MSVOA_L
ClientSampleId :
VL0514ABS01

Tot Ion: 83 Resp: 1767433
Ion Ratio Lower Upper
83 100
85 66.1 52.6 78.8

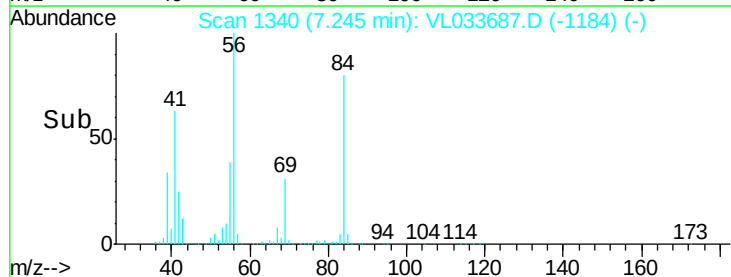
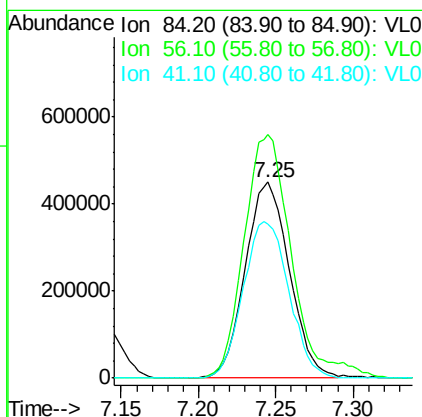
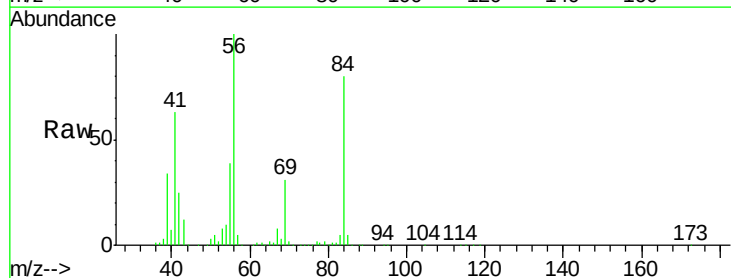
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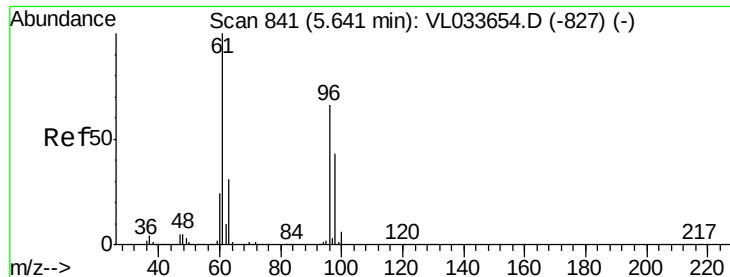
MMDadoda
5/16/2019 5:41:00 AM



#30
Cyclohexane
Concen: 10.304 ppbv
RT: 7.25 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VL033687.D
Acq: 14 May 2019 12:19

Tgt Ion: 84 Resp: 891506
Ion Ratio Lower Upper
84 100
56 134.5 107.0 160.4
41 83.3 66.6 99.8





#31

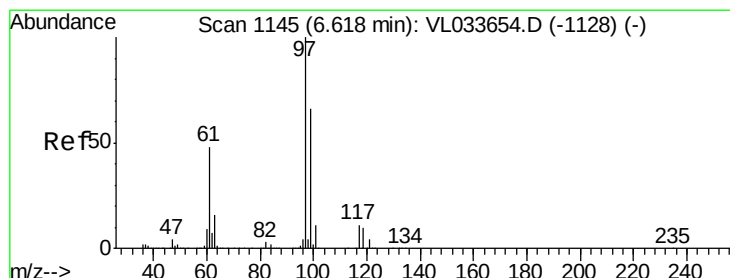
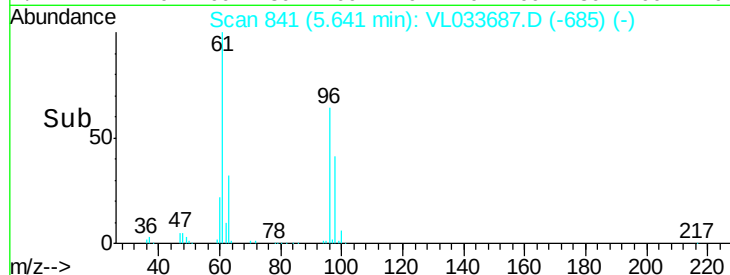
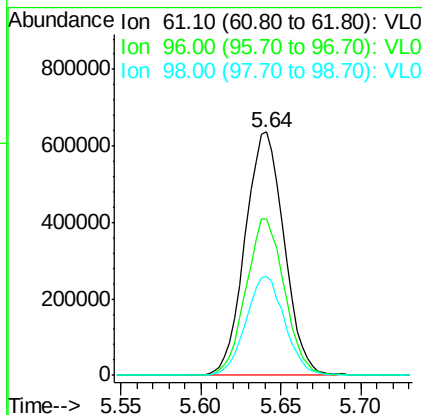
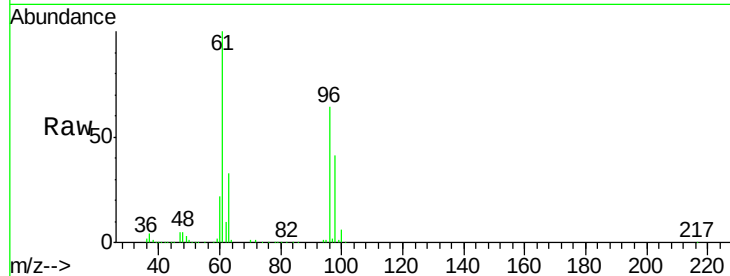
cis-1,2-Dichloroethene
Concen: 10.373 ppbv
RT: 5.64 min Scan# 841
Delta R.T. 0.00 min
Lab File: VL033687.D
Acq: 14 May 2019 12:19

Instrument :
MSVOA_L
ClientSampleId :
VL0514ABS01

Tot Ion	Ratio	Lower	Upper
61	100		
96	64.1	53.2	79.8
98	40.6	34.2	51.4

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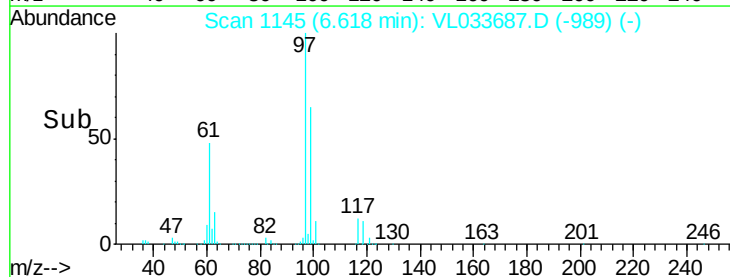
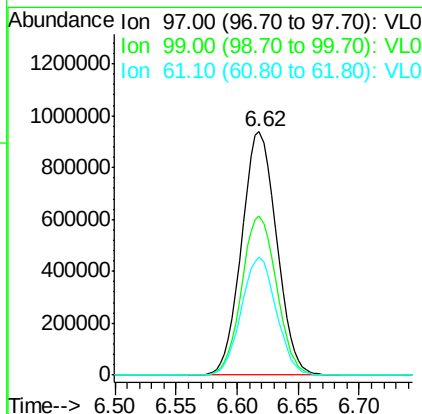
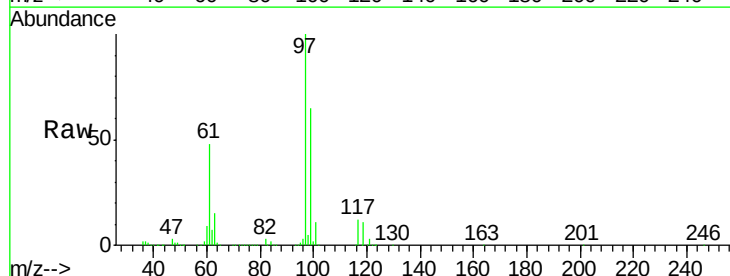
MMDadoda
5/16/2019 5:41:00 AM

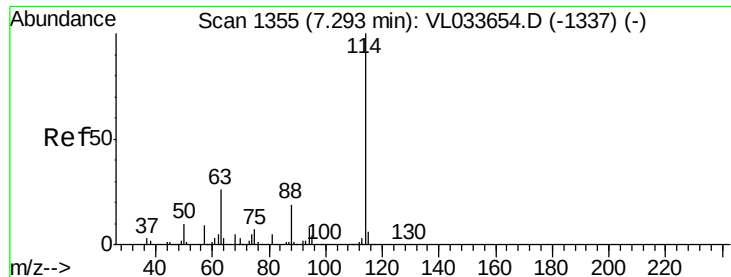


#32

1,1,1-Trichloroethane
Concen: 9.707 ppbv
RT: 6.62 min Scan# 1145
Delta R.T. 0.00 min
Lab File: VL033687.D
Acq: 14 May 2019 12:19

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.4	77.2
61	48.2	38.5	57.7





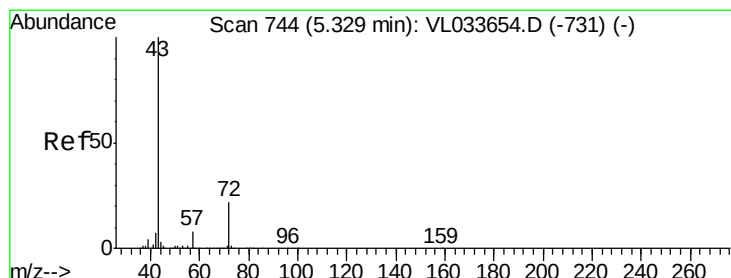
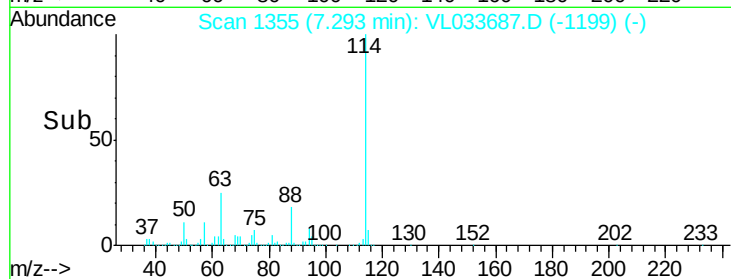
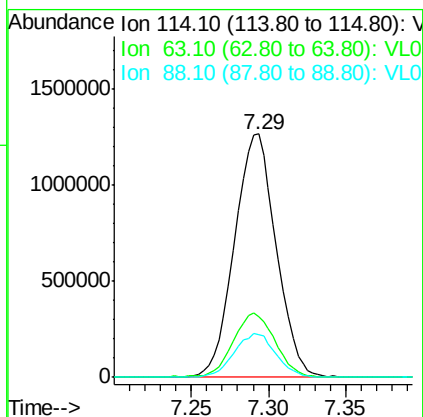
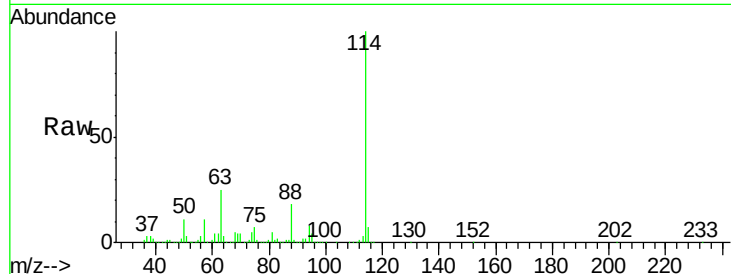
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1355
 Delta R.T. 0.00 min
 Lab File: VL033687.D
 Acq: 14 May 2019 12:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0514ABS01

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.2	21.3	31.9
88	18.1	14.4	21.6

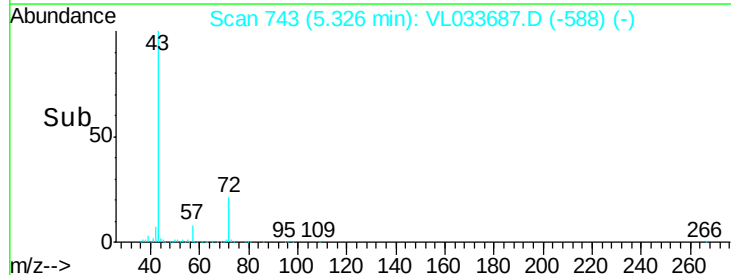
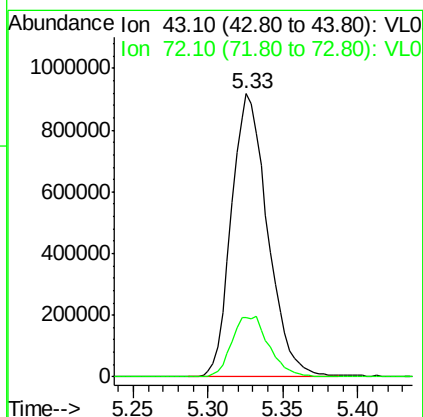
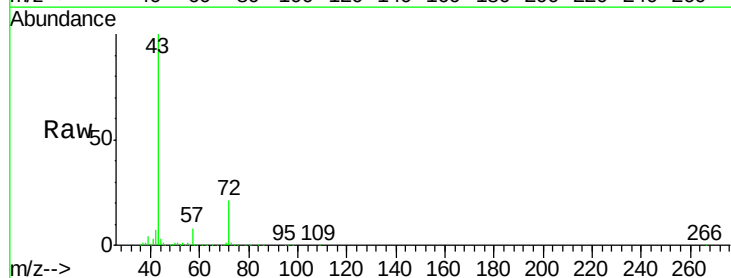
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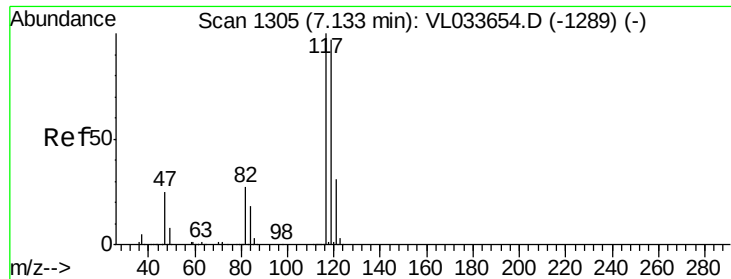
MMDadoda
 5/16/2019 5:41:00 AM



#34
 2-Butanone
 Concen: 10.269 ppbv
 RT: 5.33 min Scan# 743
 Delta R.T. -0.00 min
 Lab File: VL033687.D
 Acq: 14 May 2019 12:19

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.2	17.5	26.3





#35

Carbon Tetrachloride

Concen: 10.335 ppbv

RT: 7.13 min Scan# 1305

Delta R.T. 0.00 min

Lab File: VL033687.D

Acq: 14 May 2019 12:19

Instrument :

MSVOA_L

ClientSampleId :

VL0514ABS01

Tot Ion:117 Resp: 1997755

Ion Ratio Lower Upper

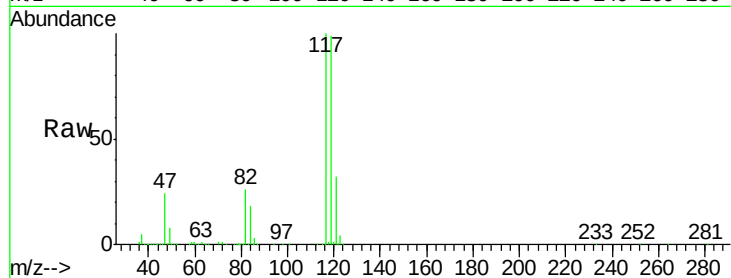
117 100

119 98.5 77.9 116.9

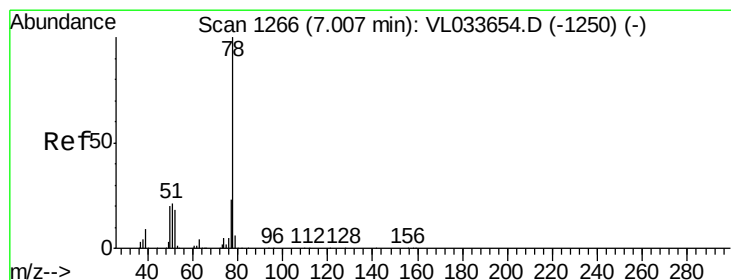
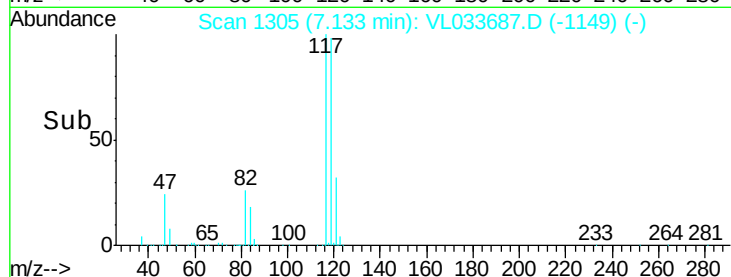
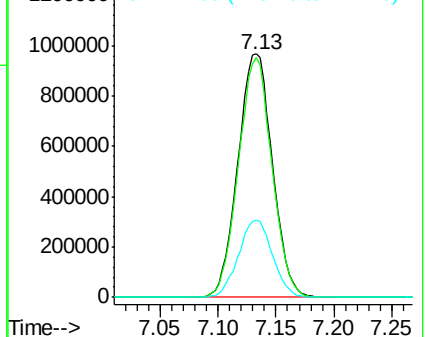
121 31.8 25.0 37.6

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MMDadoda
5/16/2019 5:41:00 AM



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: 10.336 ppbv

RT: 7.00 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VL033687.D

Acq: 14 May 2019 12:19

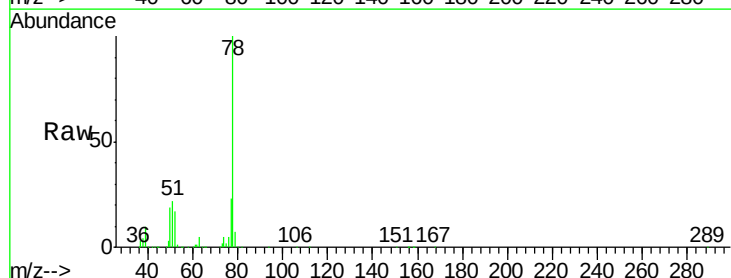
Tgt Ion: 78 Resp: 2179953

Ion Ratio Lower Upper

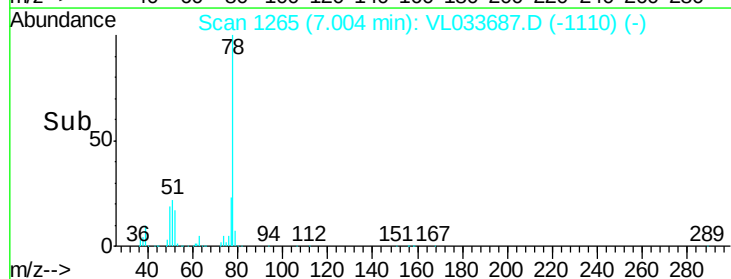
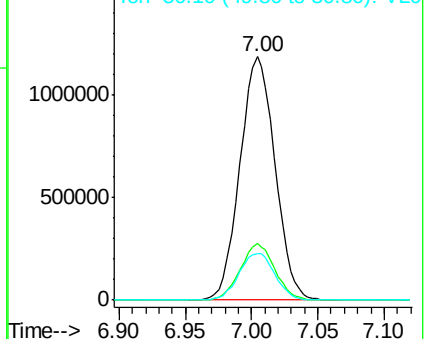
78 100

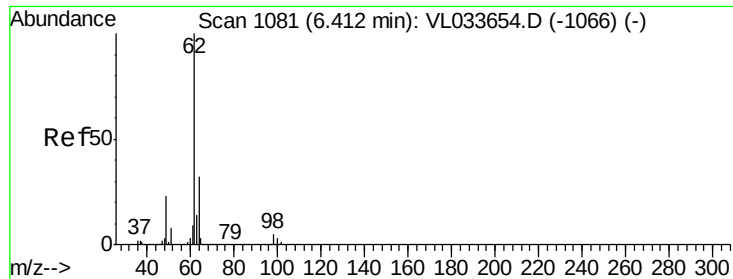
77 23.3 18.2 27.2

50 19.0 15.8 23.6



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





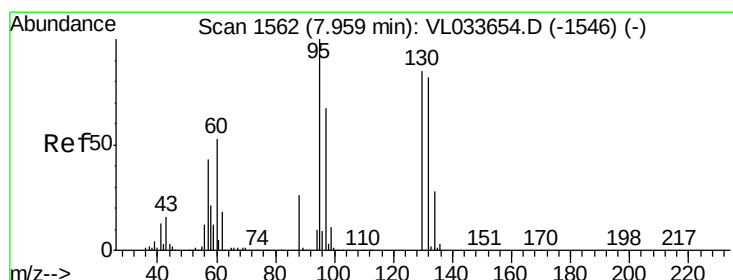
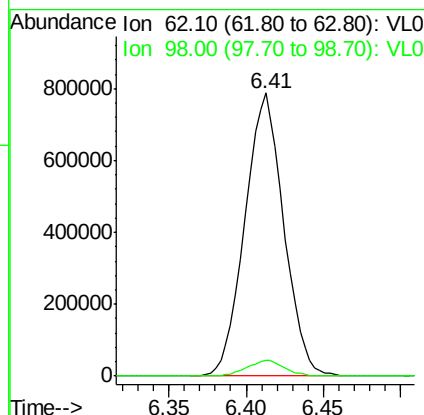
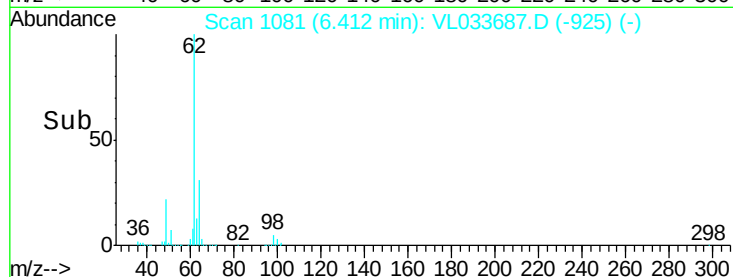
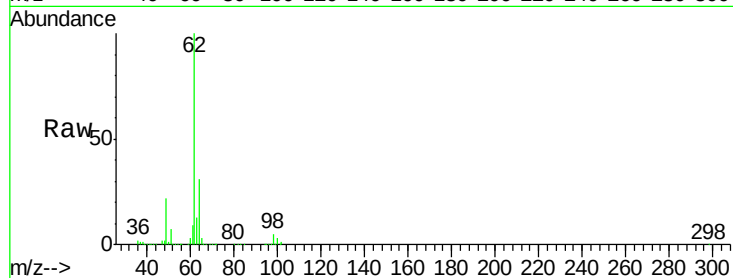
#37
 1,2-Dichloroethane
 Concen: 9.360 ppbv
 RT: 6.41 min Scan# 1081
 Delta R.T. 0.00 min
 Lab File: VL033687.D
 Acq: 14 May 2019 12:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0514ABS01

Tot Ion: 62 Resp: 1377363
 Ion Ratio Lower Upper
 62 100
 98 5.5 4.5 6.7

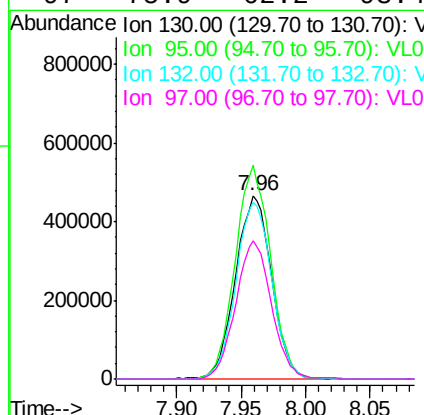
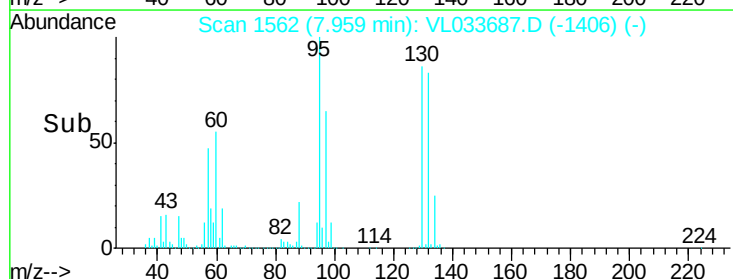
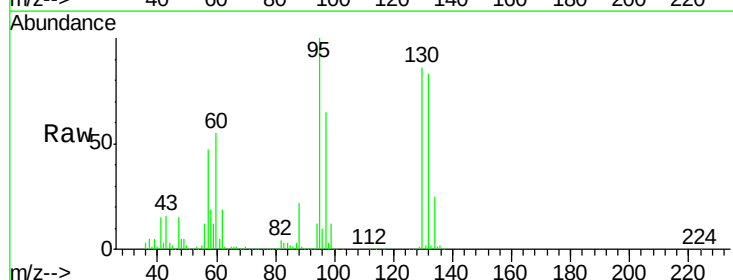
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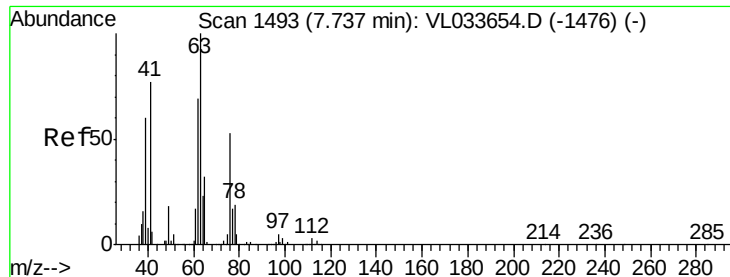
MMDadoda
 5/16/2019 5:41:00 AM



#38
 Trichloroethene
 Concen: 11.656 ppbv
 RT: 7.96 min Scan# 1562
 Delta R.T. 0.00 min
 Lab File: VL033687.D
 Acq: 14 May 2019 12:19

Tgt Ion: 130 Resp: 901793
 Ion Ratio Lower Upper
 130 100
 95 116.7 93.4 140.0
 132 96.6 76.2 114.4
 97 75.9 62.2 93.4





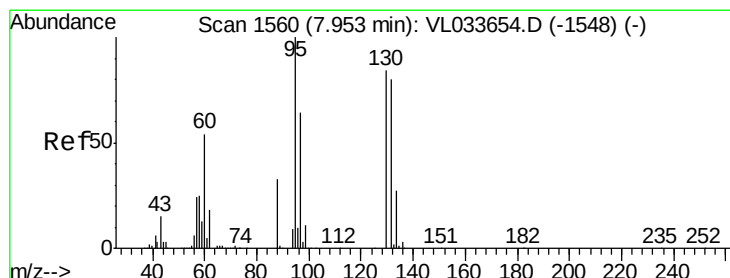
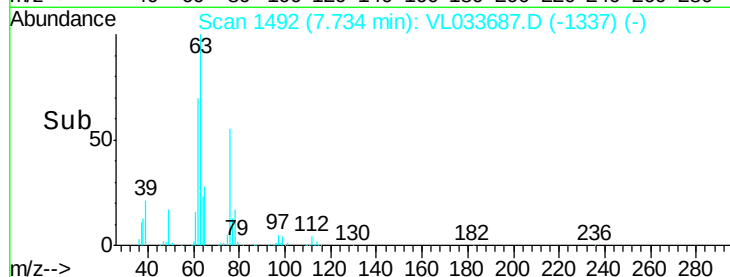
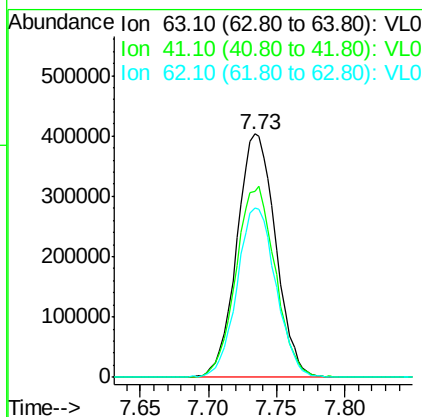
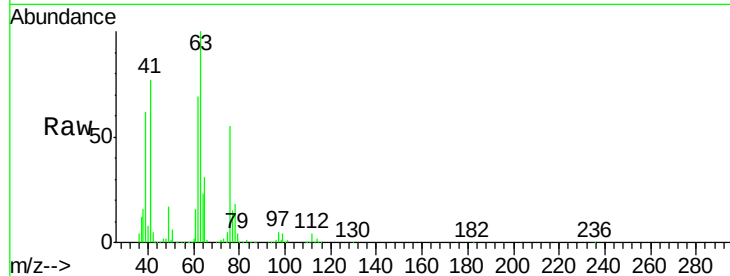
#39
 1,2-Dichloropropane
 Concen: 10.115 ppbv
 RT: 7.73 min Scan# 1492
 Delta R.T. -0.00 min
 Lab File: VL033687.D
 Acq: 14 May 2019 12:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0514ABS01

Tot Ion	Ratio	Lower	Upper
63	100		
41	76.4	61.6	92.4
62	69.5	55.0	82.6

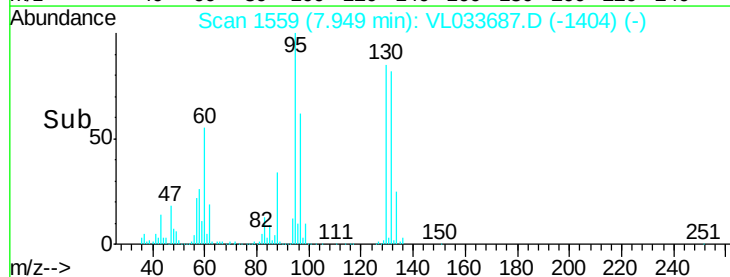
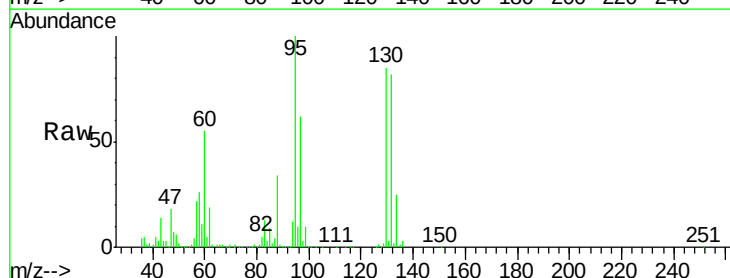
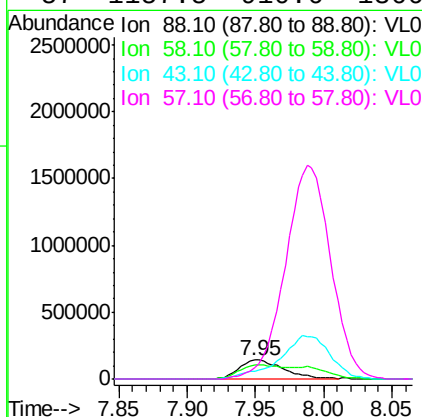
Manual Integrations
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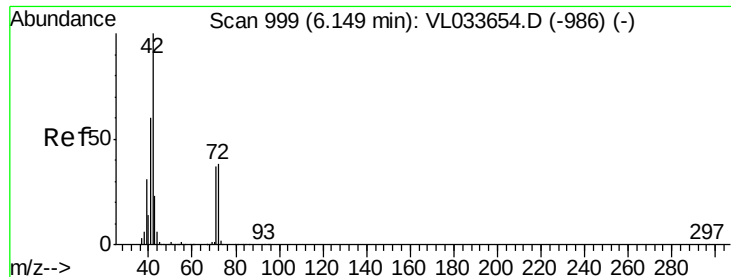
MMDadoda
 5/16/2019 5:41:00 AM



#40
 1,4-Dioxane
 Concen: 10.225 ppbv
 RT: 7.95 min Scan# 1559
 Delta R.T. -0.00 min
 Lab File: VL033687.D
 Acq: 14 May 2019 12:19

Tgt Ion	Ratio	Lower	Upper
88	100		
58	127.7	102.3	153.5
43	260.5	206.1	309.1
57	1157.5	910.6	1366.0





#41

Tetrahydrofuran

Concen: 11.039 ppbv

RT: 6.15 min Scan# 998

Delta R.T. -0.00 min

Lab File: VL033687.D

Acq: 14 May 2019 12:19

Instrument :

MSVOA_L

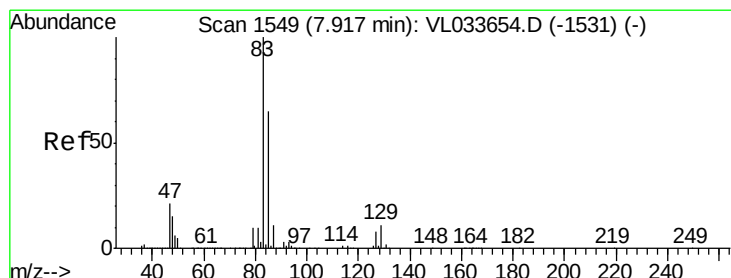
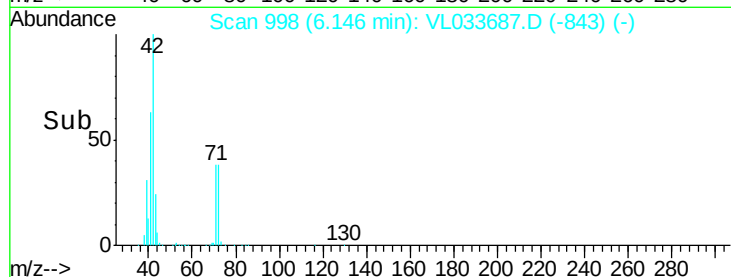
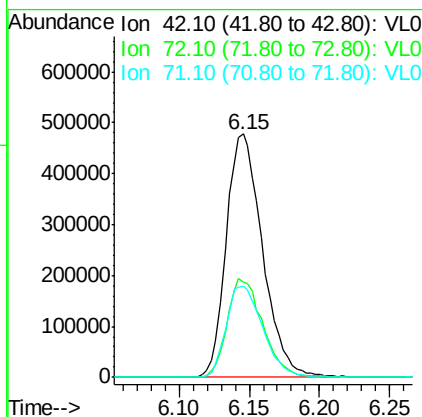
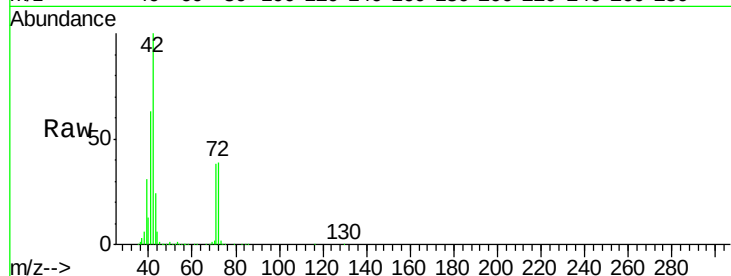
ClientSampleId :

VL0514ABS01

Tot Ion:	42	Resp:	859210
Ion	Ratio	Lower	Upper
42	100		
72	40.0	31.6	47.4
71	38.1	30.6	46.0

Manual Integrations
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5/16/2019 5:41:00 AM



#42

Bromodichloromethane

Concen: 10.413 ppbv

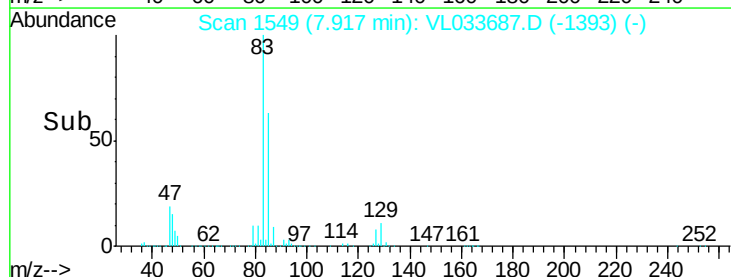
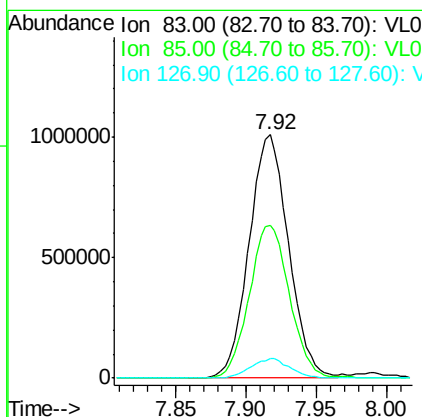
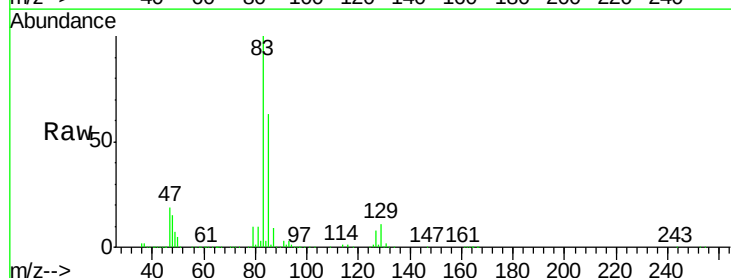
RT: 7.92 min Scan# 1549

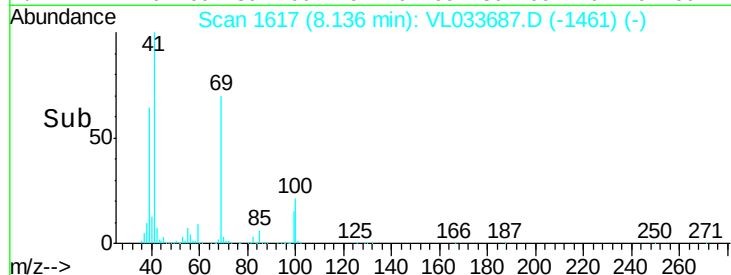
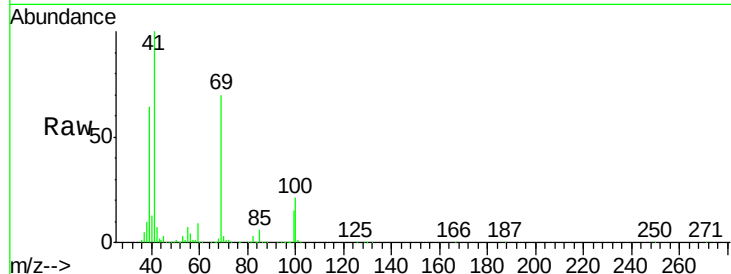
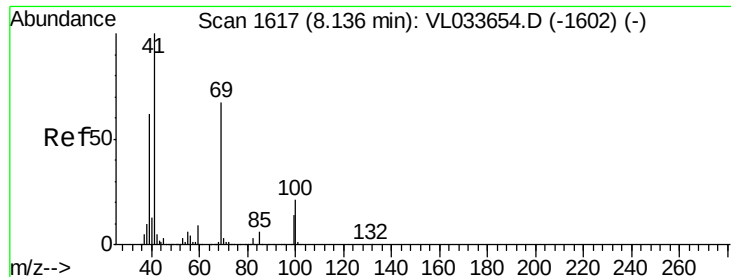
Delta R.T. 0.00 min

Lab File: VL033687.D

Acq: 14 May 2019 12:19

Tgt Ion:	83	Resp:	1978431
Ion	Ratio	Lower	Upper
83	100		
85	62.8	52.4	78.6
127	7.9	6.6	9.8





#43

Methyl Methacrylate

Concen: 11.381 ppbv

RT: 8.14 min Scan# 1617

Delta R.T. 0.00 min

Lab File: VL033687.D

Acq: 14 May 2019 12:19

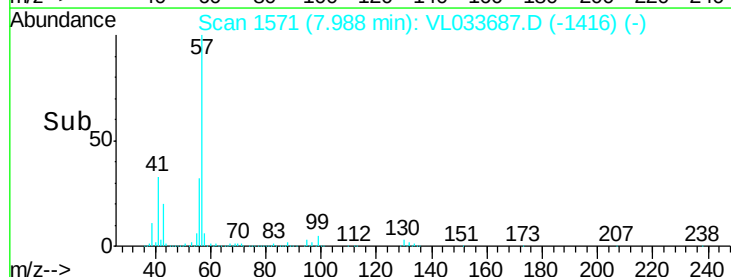
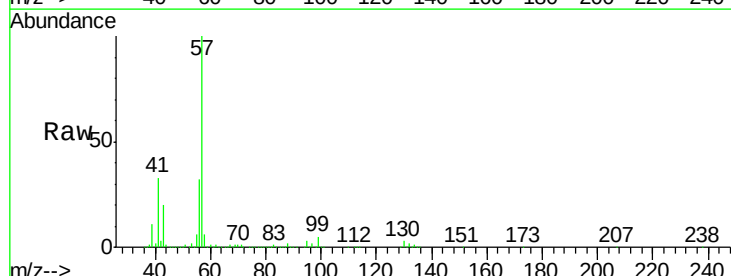
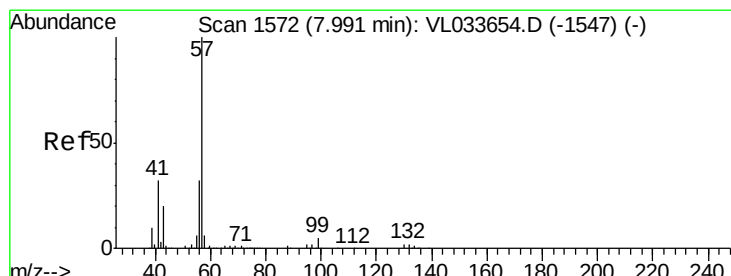
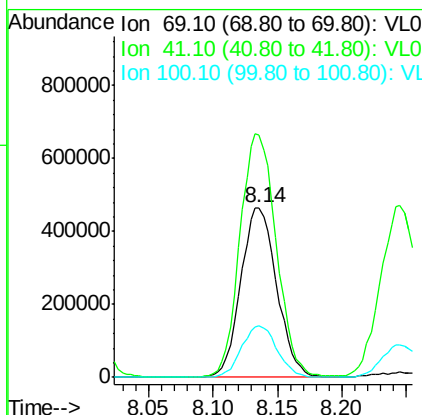
Tot Ion	Ratio	Lower	Upper
69	100		
41	144.9	116.6	175.0
100	30.2	24.6	37.0

Instrument :
MSVOA_L

ClientSampleID :
VL0514ABS01

Manual Integrations
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5/16/2019 5:41:00 AM



#44

2,2,4-Trimethylpentane

Concen: 10.301 ppbv

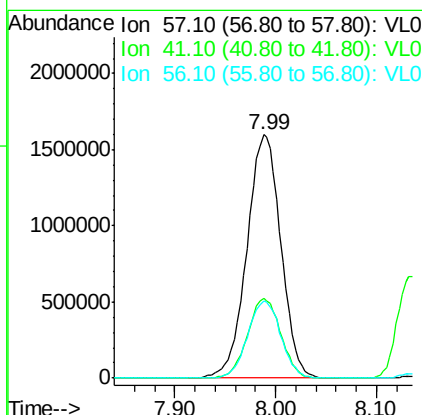
RT: 7.99 min Scan# 1571

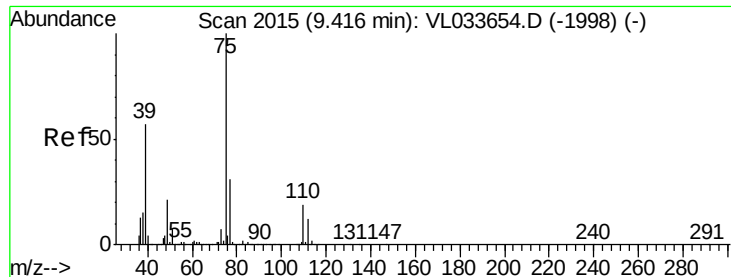
Delta R.T. -0.00 min

Lab File: VL033687.D

Acq: 14 May 2019 12:19

Tgt Ion	Ratio	Lower	Upper
57	100		
41	32.2	25.7	38.5
56	31.1	25.0	37.6





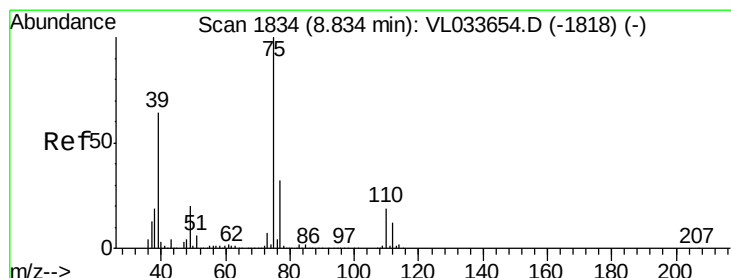
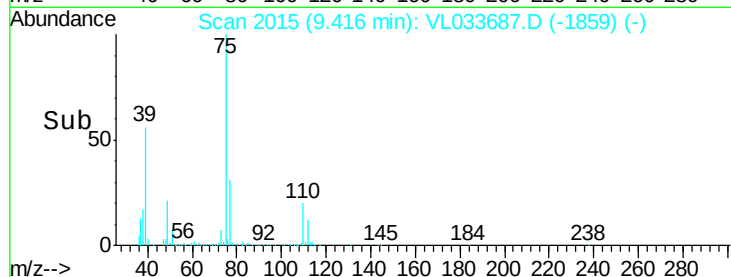
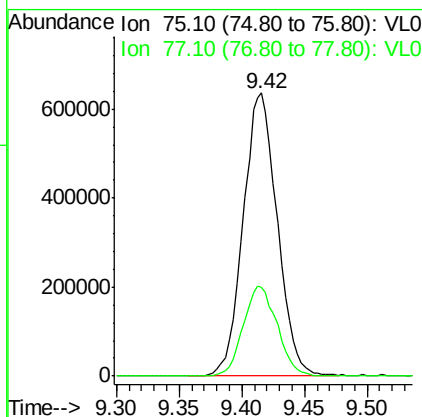
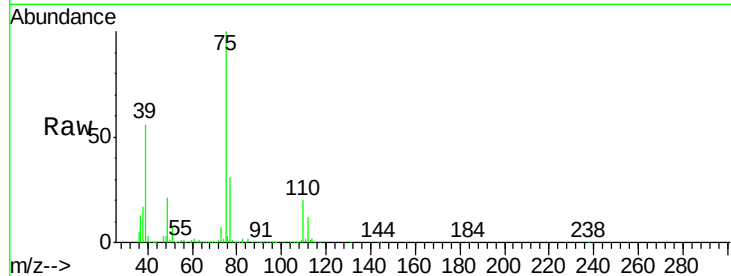
#45
 t-1,3-Dichloropropene
 Concen: 12.354 ppbv
 RT: 9.42 min Scan# 2015
 Delta R.T. 0.00 min
 Lab File: VL033687.D
 Acq: 14 May 2019 12:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0514ABS01

Tot Ion: 75 Resp: 1202890
 Ion Ratio Lower Upper
 75 100
 77 31.3 24.7 37.1

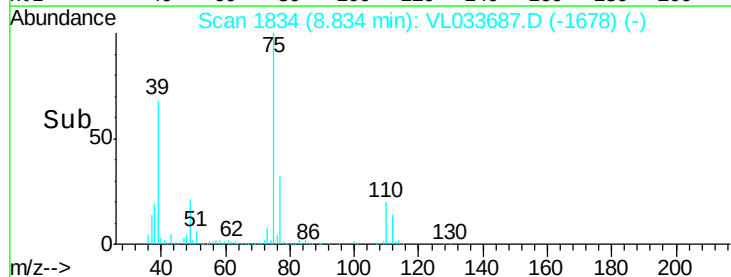
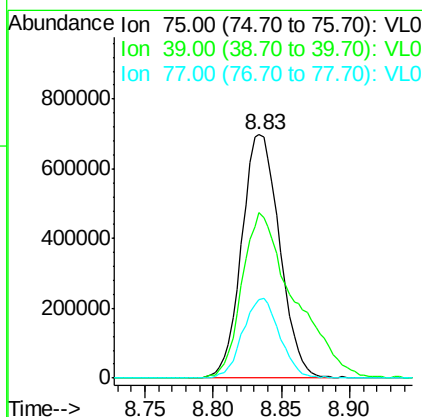
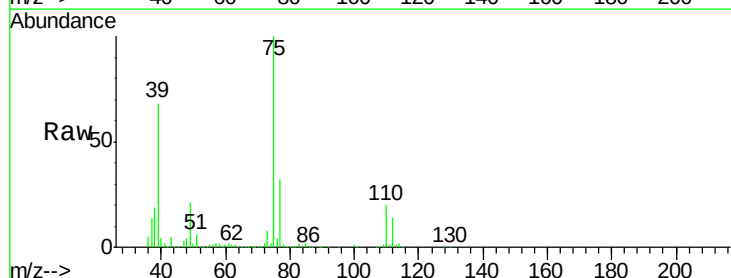
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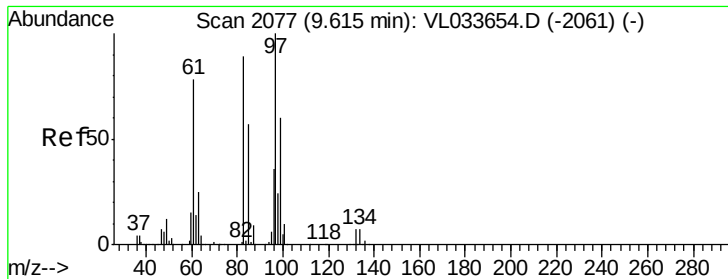
MMDadoda
 5/16/2019 5:41:00 AM



#46
 cis-1,3-Dichloropropene
 Concen: 11.108 ppbv
 RT: 8.83 min Scan# 1834
 Delta R.T. 0.00 min
 Lab File: VL033687.D
 Acq: 14 May 2019 12:19

Tgt Ion: 75 Resp: 1349862
 Ion Ratio Lower Upper
 75 100
 39 67.9 51.5 77.3
 77 32.3 25.4 38.0





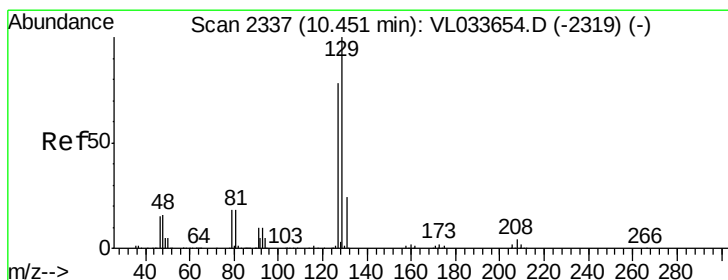
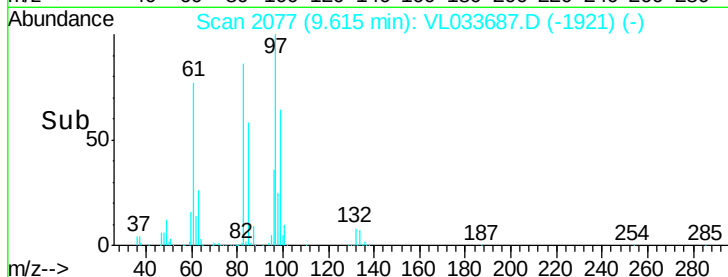
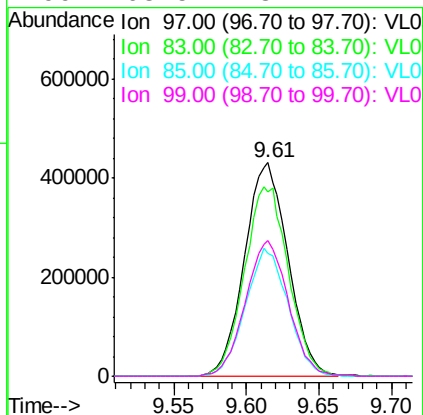
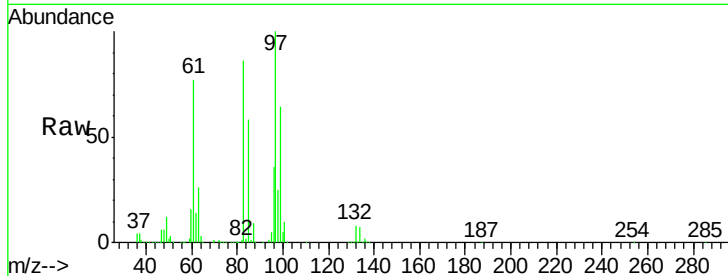
#47
 1,1,2-Trichloroethane
 Concen: 9.974 ppbv
 RT: 9.61 min Scan# 2077
 Delta R.T. 0.00 min
 Lab File: VL033687.D
 Acq: 14 May 2019 12:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0514ABS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	86.3	70.9	106.3
85	57.5	45.8	68.6
99	63.5	48.2	72.4

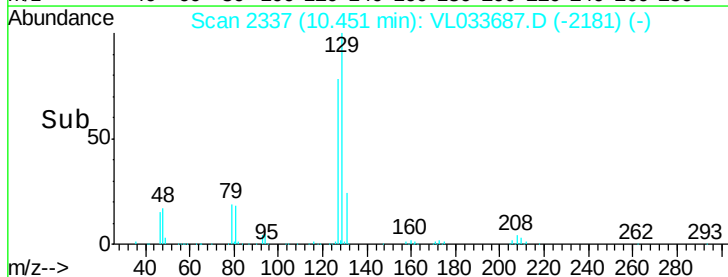
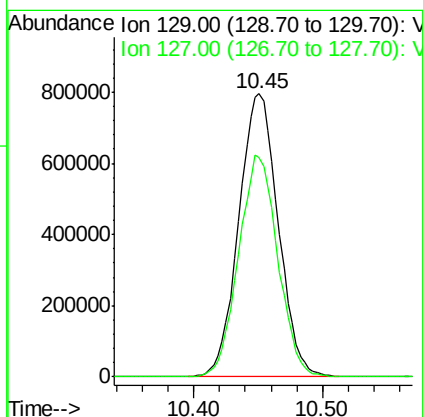
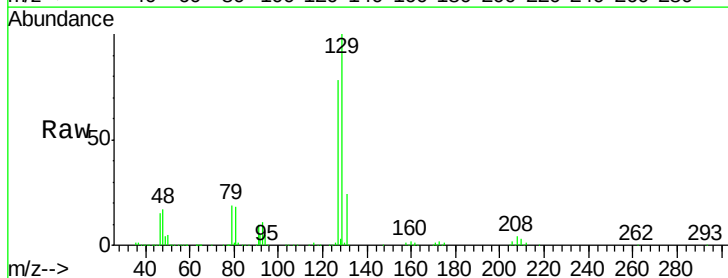
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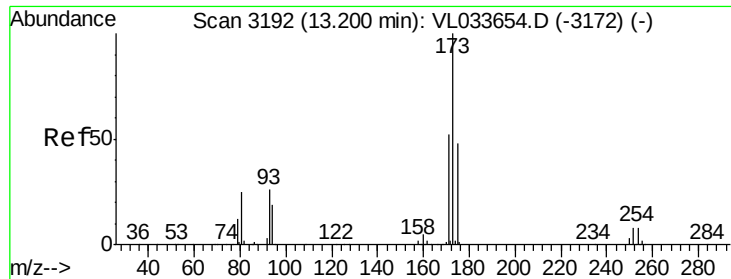
MMDadoda
 5/16/2019 5:41:00 AM



#48
 Dibromochloromethane
 Concen: 11.052 ppbv
 RT: 10.45 min Scan# 2337
 Delta R.T. 0.00 min
 Lab File: VL033687.D
 Acq: 14 May 2019 12:19

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.9	39.1	117.2





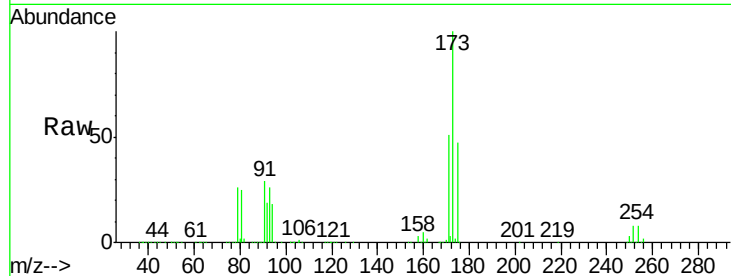
#49
Bromoform
Concen: 11.573 ppbv
RT: 13.20 min Scan# 3192
Delta R.T. 0.00 min
Lab File: VL033687.D
Acq: 14 May 2019 12:19

Instrument :
MSVOA_L
ClientSampleId :
VL0514ABS01

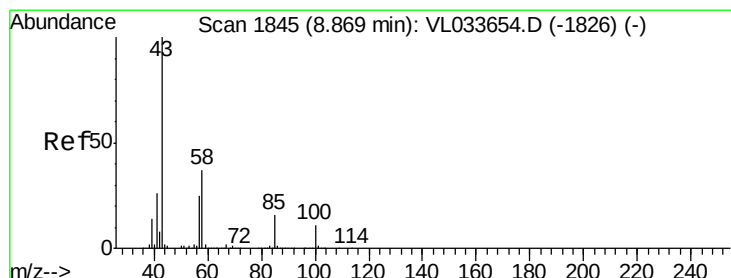
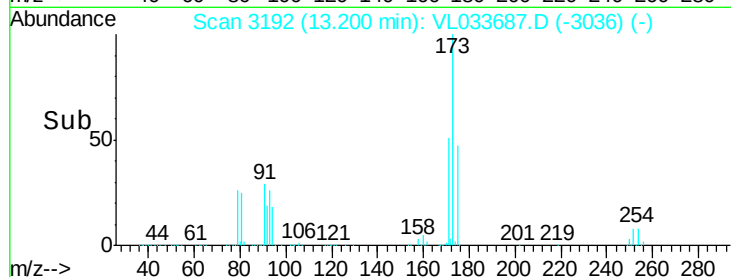
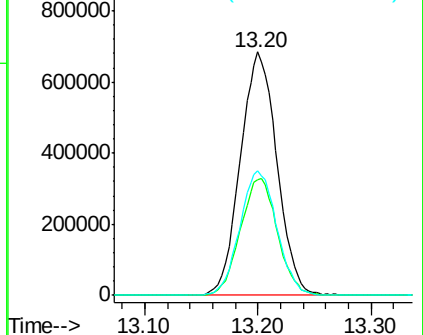
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	39.3	58.9
171	51.7	41.5	62.3

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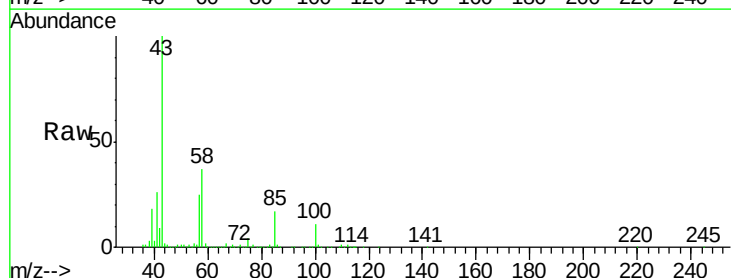


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V

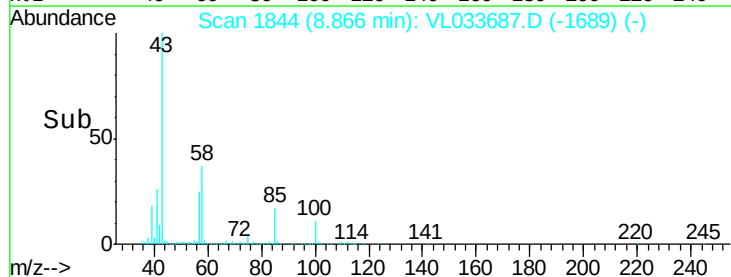
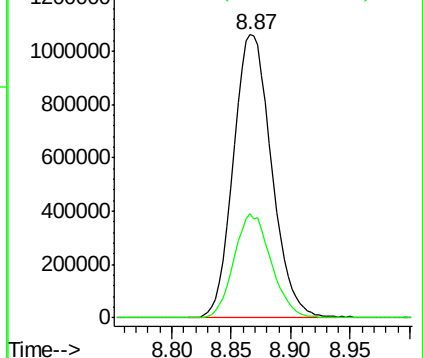


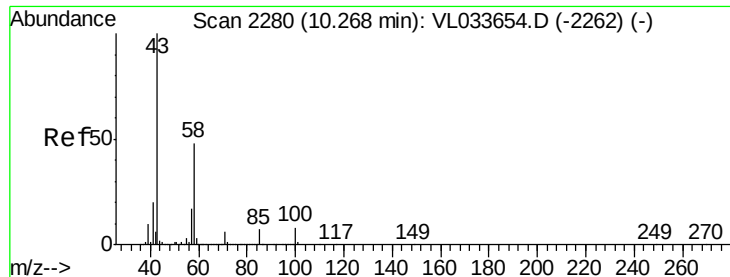
#50
4-Methyl-2-Pentanone
Concen: 10.341 ppbv
RT: 8.87 min Scan# 1844
Delta R.T. -0.00 min
Lab File: VL033687.D
Acq: 14 May 2019 12:19

Tgt Ion	Ratio	Lower	Upper
43	100		
58	35.9	28.8	43.2



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





#51

2-Hexanone

Concen: 11.078 ppbv

RT: 10.27 min Scan# 2280

Delta R.T. 0.00 min

Lab File: VL033687.D

Acq: 14 May 2019 12:19

Instrument :

MSVOA_L

ClientSampleId :

VL0514ABS01

Tot Ion: 43 Resp: 1957242

Ion Ratio Lower Upper

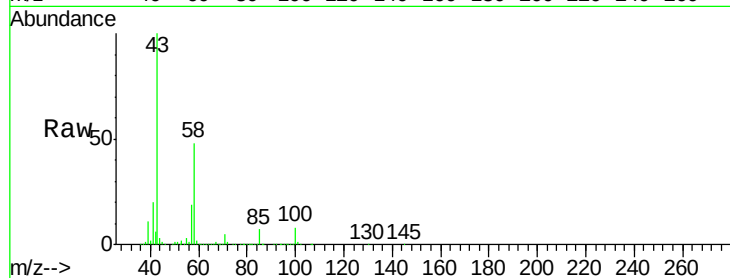
43 100

58 47.8 38.2 57.4

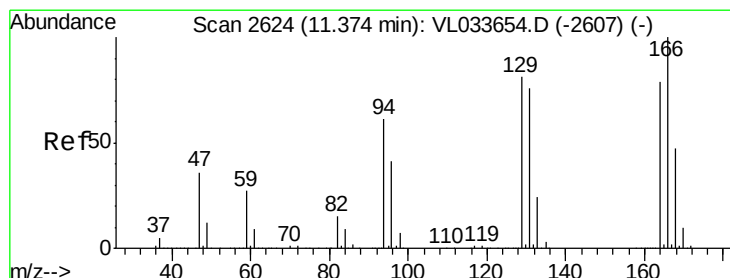
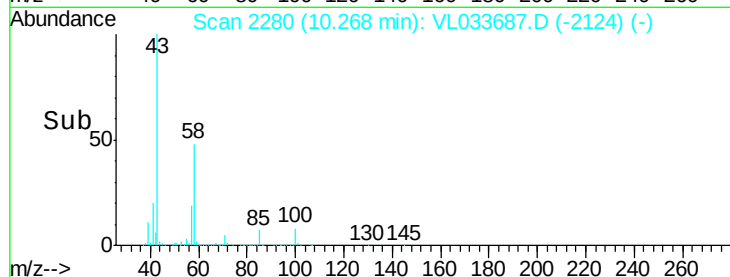
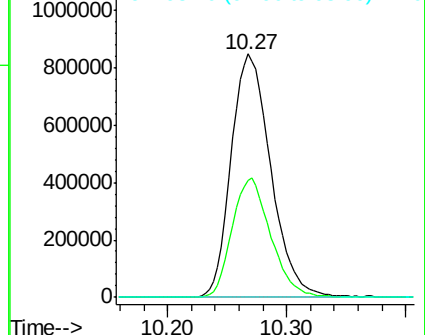
98 0.4 0.2 0.4#

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Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 11.359 ppbv

RT: 11.37 min Scan# 2623

Delta R.T. -0.00 min

Lab File: VL033687.D

Acq: 14 May 2019 12:19

Tgt Ion: 164 Resp: 848725

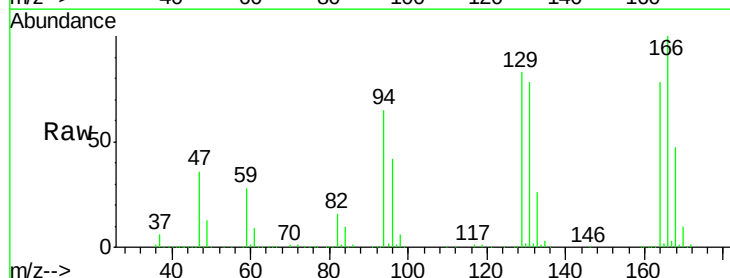
Ion Ratio Lower Upper

164 100

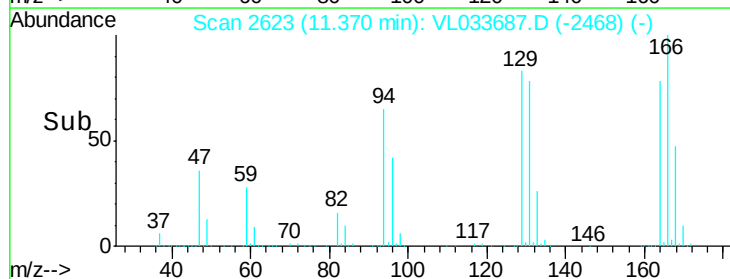
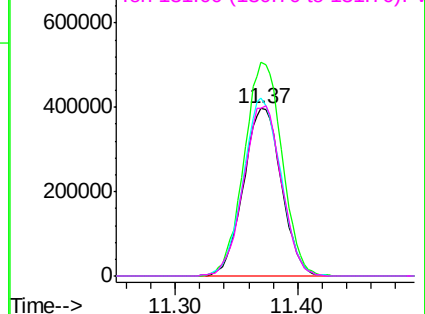
166 127.8 100.6 151.0

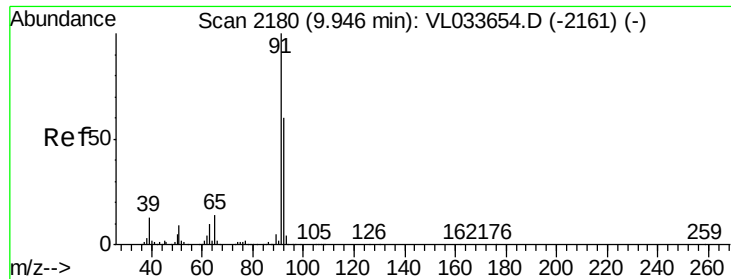
129 106.2 81.0 121.6

131 100.2 76.4 114.6



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 11.242 ppbv

RT: 9.95 min Scan# 2180

Delta R.T. 0.00 min

Lab File: VL033687.D

Acq: 14 May 2019 12:19

Instrument :

MSVOA_L

ClientSampleId :

VL0514ABS01

Tot Ion: 91 Resp: 2561644

Ion Ratio Lower Upper

91 100

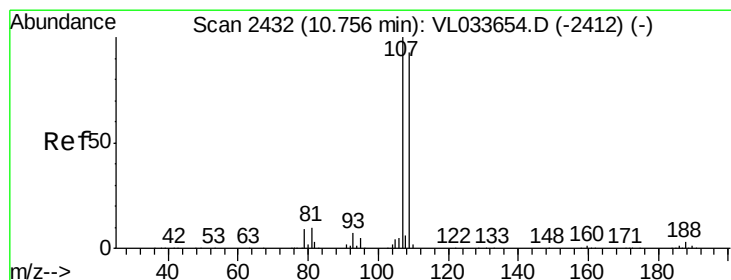
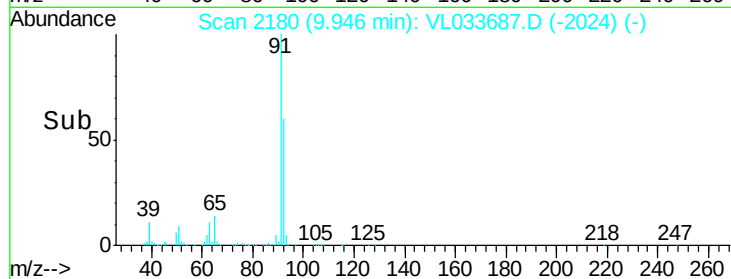
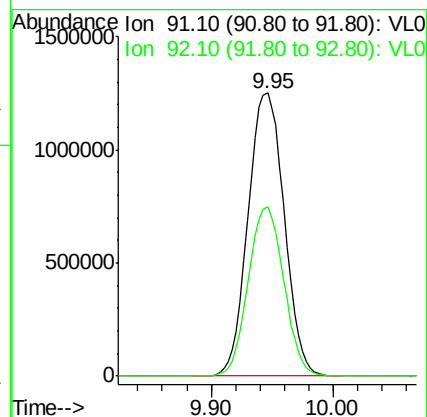
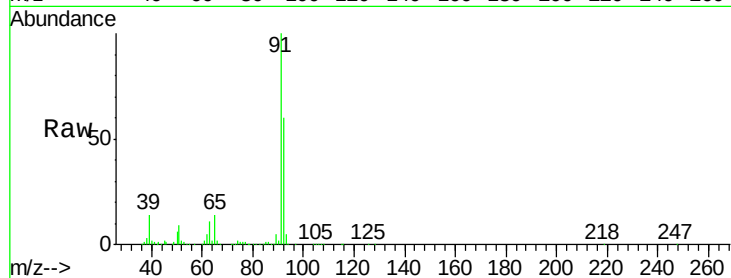
92 58.9 47.7 71.5

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#54

1,2-Dibromoethane

Concen: 10.999 ppbv

RT: 10.76 min Scan# 2433

Delta R.T. 0.00 min

Lab File: VL033687.D

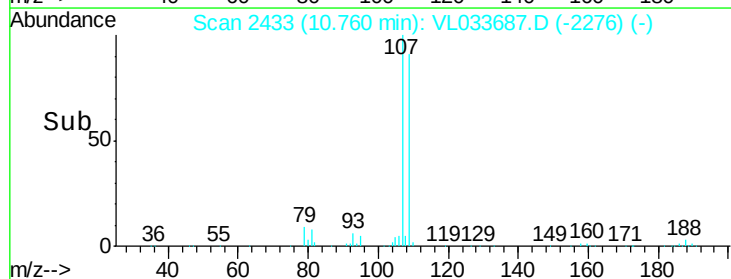
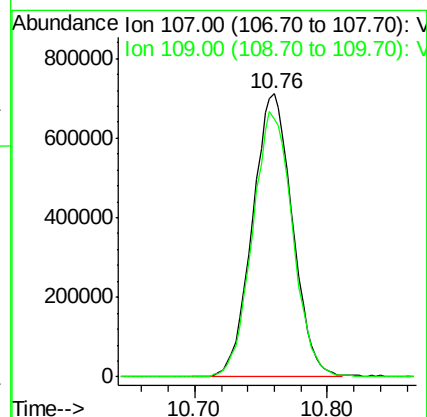
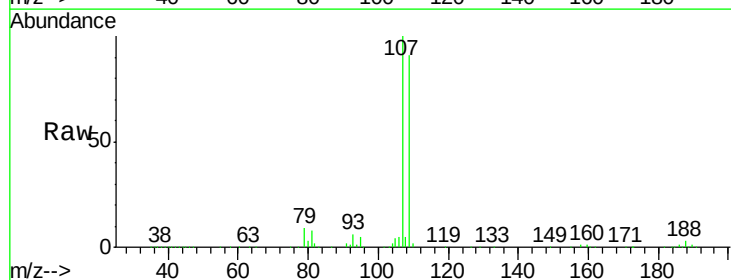
Acq: 14 May 2019 12:19

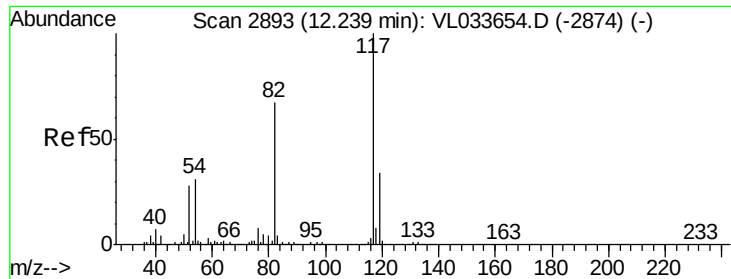
Tgt Ion: 107 Resp: 1495576

Ion Ratio Lower Upper

107 100

109 91.0 74.6 111.8





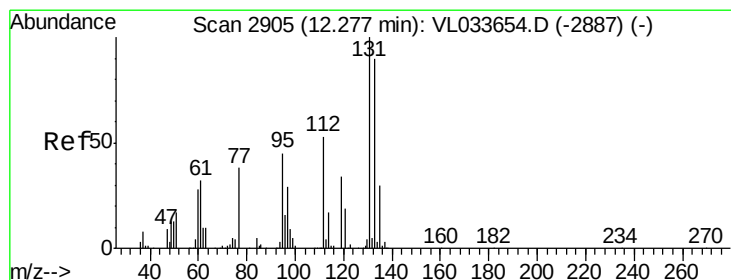
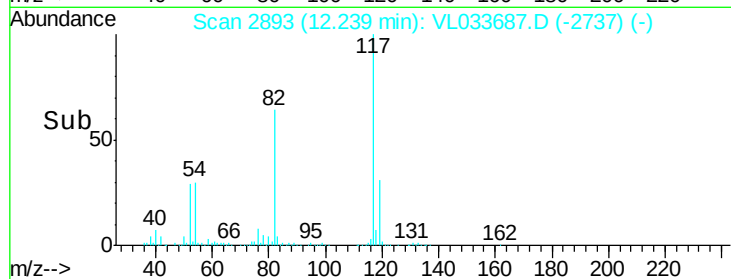
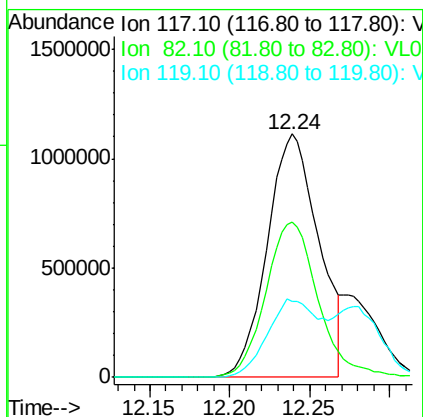
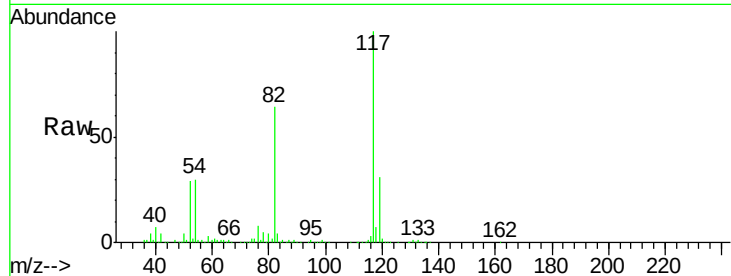
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. 0.00 min
Lab File: VL033687.D
Acq: 14 May 2019 12:19

Instrument :
MSVOA_L
ClientSampleId :
VL0514ABS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	65.5	49.7	74.5
119	32.8	24.8	37.2

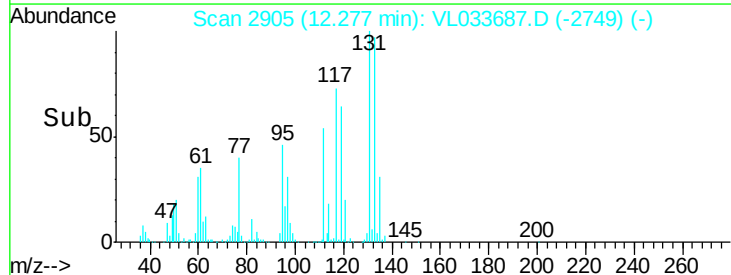
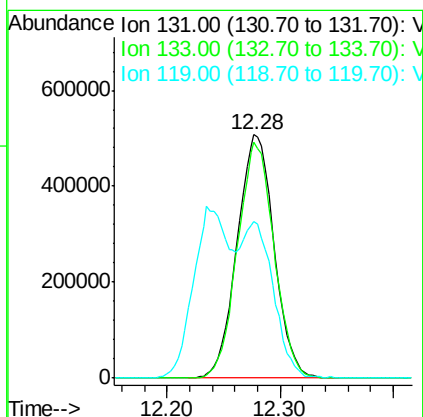
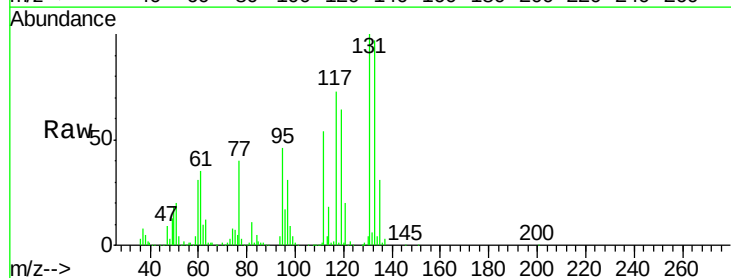
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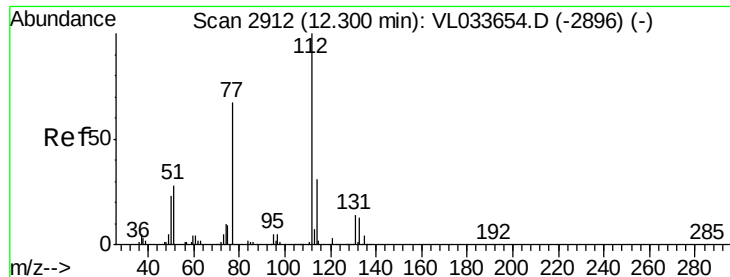
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#56
1,1,1,2-Tetrachloroethane
Concen: 10.072 ppbv
RT: 12.28 min Scan# 2905
Delta R.T. 0.00 min
Lab File: VL033687.D
Acq: 14 May 2019 12:19

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.8	76.0	114.0
119	56.4	45.4	68.2





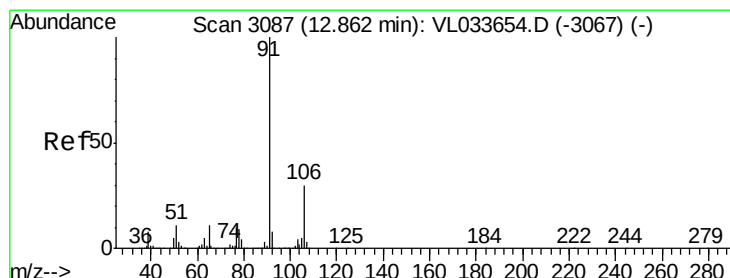
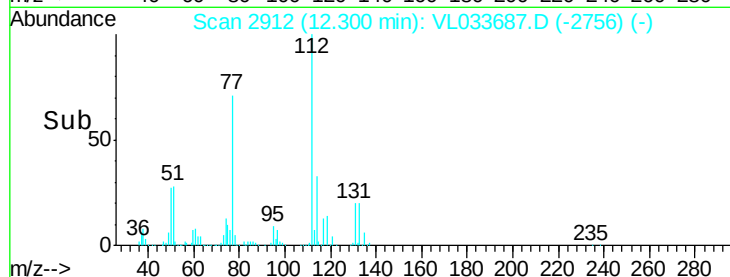
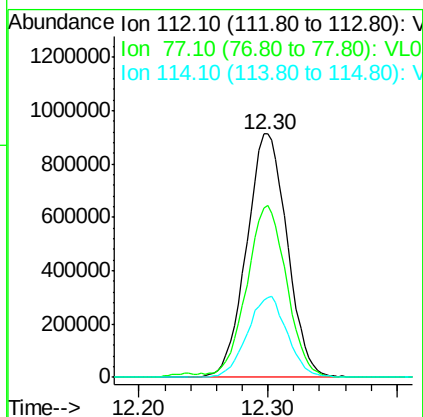
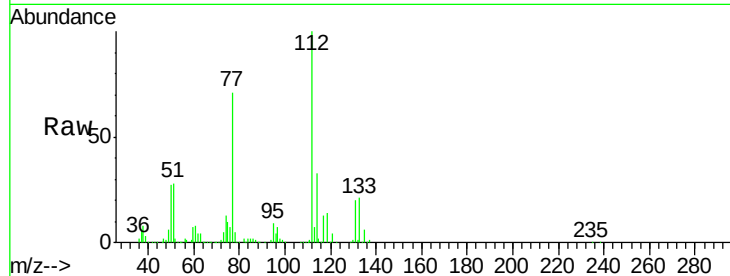
#57
Chlorobenzene
Concen: 9.810 ppbv
RT: 12.30 min Scan# 2912
Delta R.T. 0.00 min
Lab File: VL033687.D
Acq: 14 May 2019 12:19

Instrument :
MSVOA_L
ClientSampleId :
VL0514ABS01

Tot Ion	Ratio	Lower	Upper
112	100		
77	70.3	54.4	81.6
114	32.8	28.2	34.4

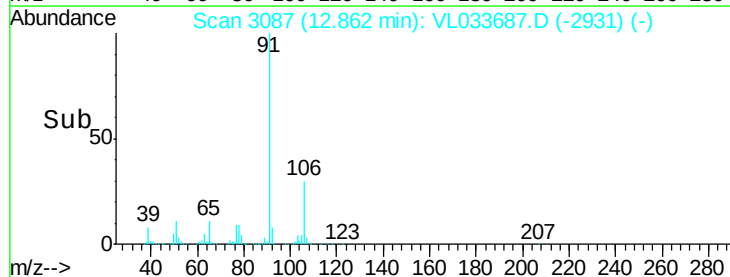
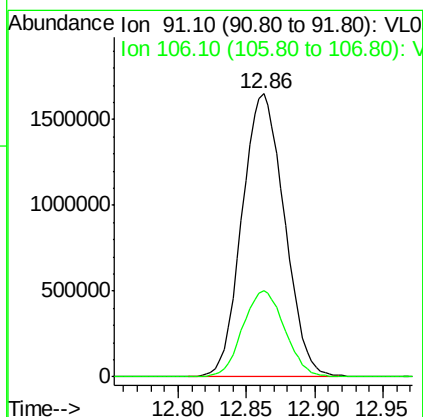
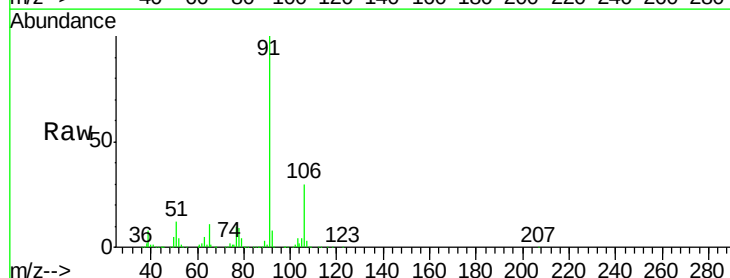
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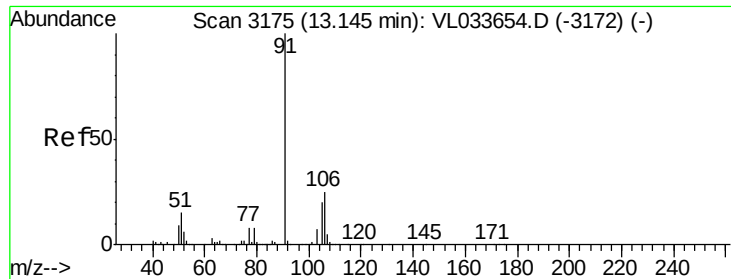
MMDadoda
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#58
Ethyl Benzene
Concen: 10.993 ppbv
RT: 12.86 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VL033687.D
Acq: 14 May 2019 12:19

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.3	23.7	35.5





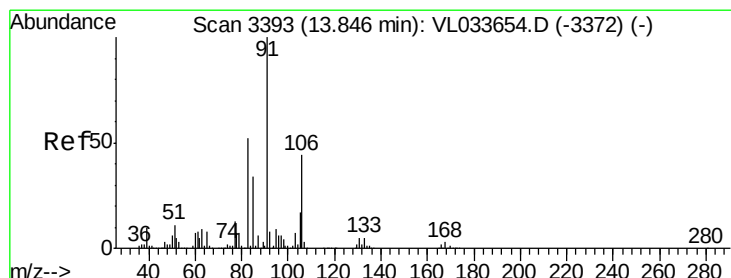
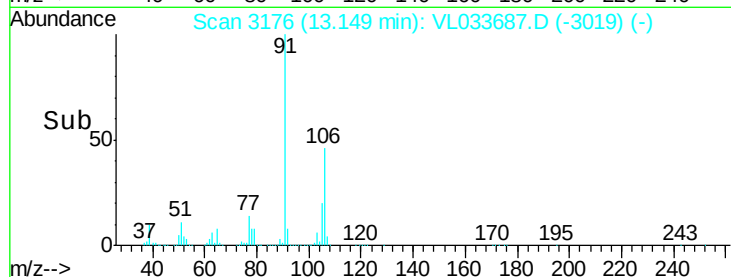
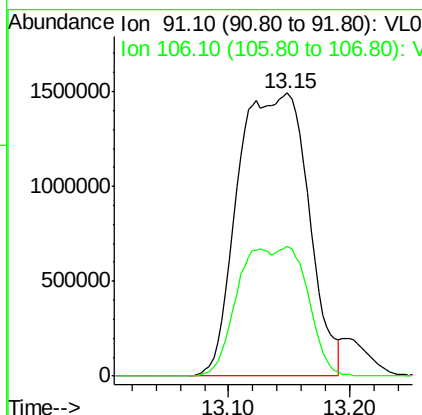
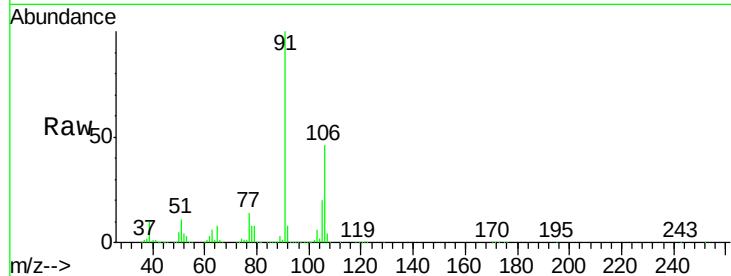
#59
m/p-Xylene
Concen: 21.021 ppbv m
RT: 13.15 min Scan# 3176
Delta R.T. 0.00 min
Lab File: VL033687.D
Acq: 14 May 2019 12:19

Instrument :
MSVOA_L
ClientSampleId :
VL0514ABS01

Tot Ion: 91 Resp: 5994713
Ion Ratio Lower Upper
91 100
106 45.2 36.2 54.2

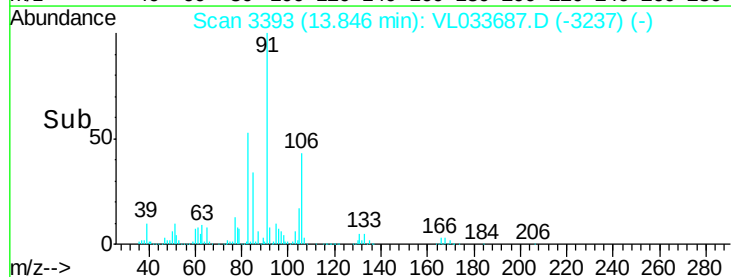
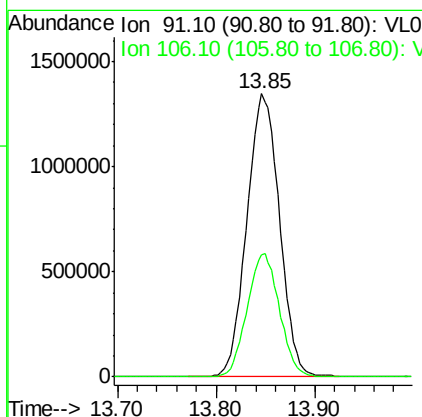
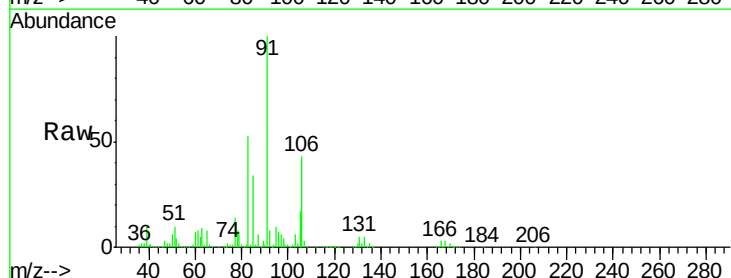
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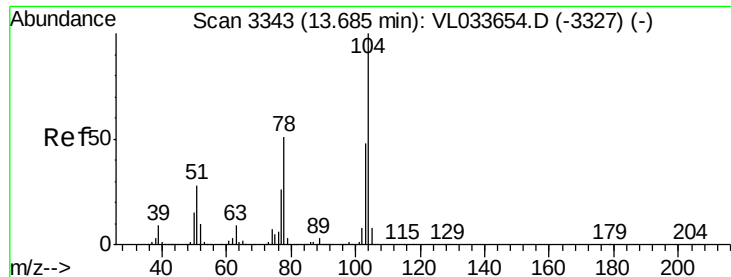
MMDadoda
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#60
o-Xylene
Concen: 10.633 ppbv
RT: 13.85 min Scan# 3393
Delta R.T. 0.00 min
Lab File: VL033687.D
Acq: 14 May 2019 12:19

Tgt Ion: 91 Resp: 3068799
Ion Ratio Lower Upper
91 100
106 43.1 21.7 65.1





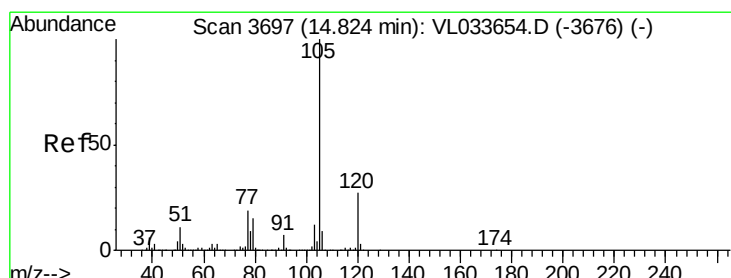
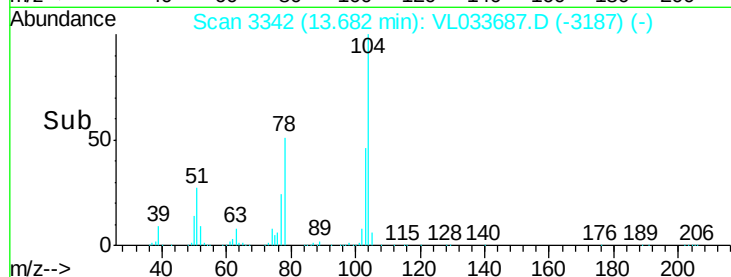
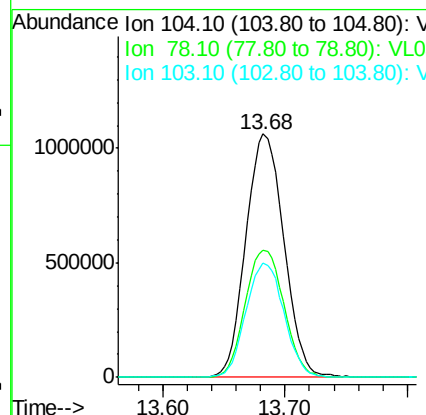
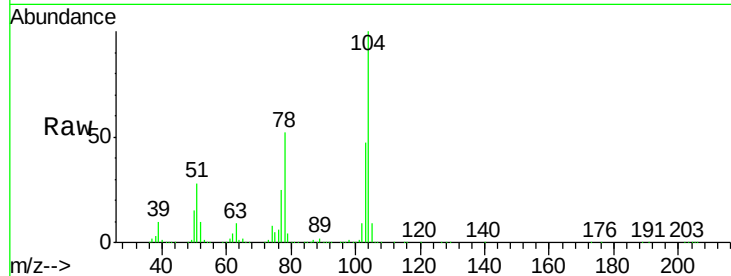
#61
Stvrene
Concen: 11.912 ppbv
RT: 13.68 min Scan# 3342
Delta R.T. -0.00 min
Lab File: VL033687.D
Acq: 14 May 2019 12:19

Instrument :
MSVOA_L
ClientSampleId :
VL0514ABS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	53.6	43.0	64.6
103	47.2	38.1	57.1

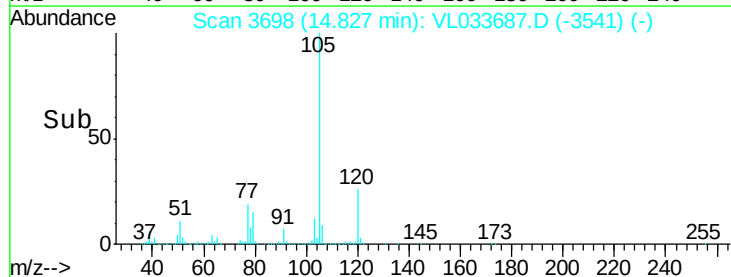
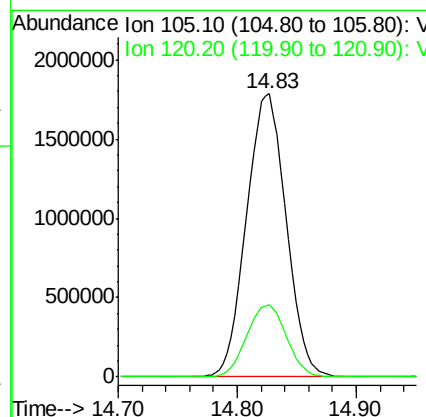
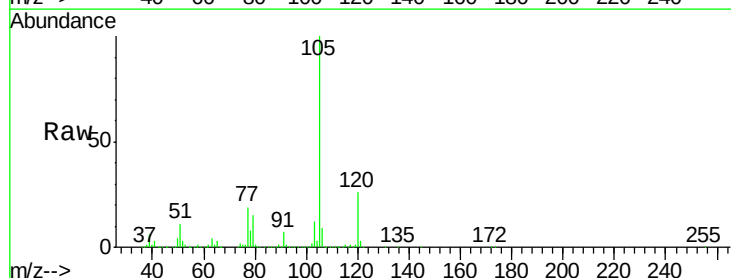
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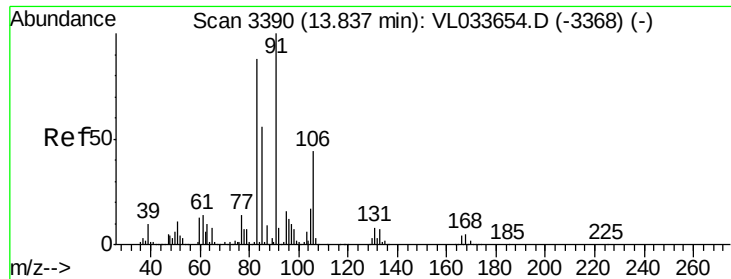
MMDadoda
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#62
Isopropylbenzene
Concen: 10.450 ppbv
RT: 14.83 min Scan# 3698
Delta R.T. 0.00 min
Lab File: VL033687.D
Acq: 14 May 2019 12:19

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.5	20.5	30.7





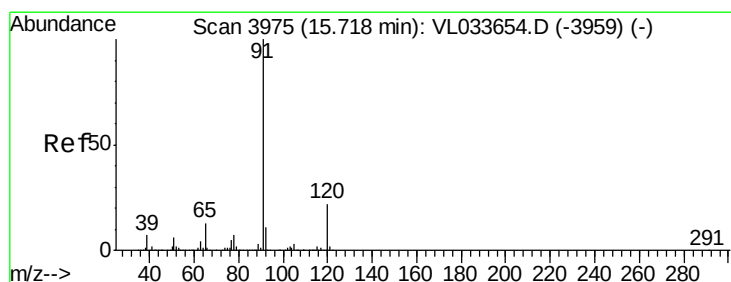
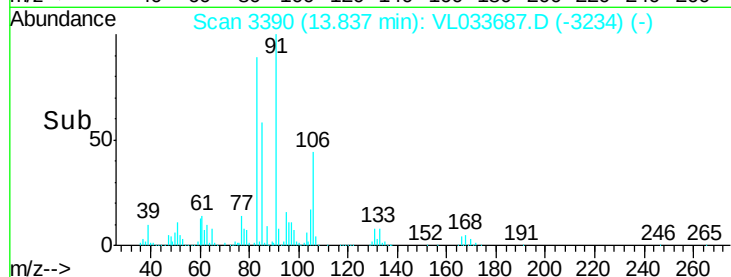
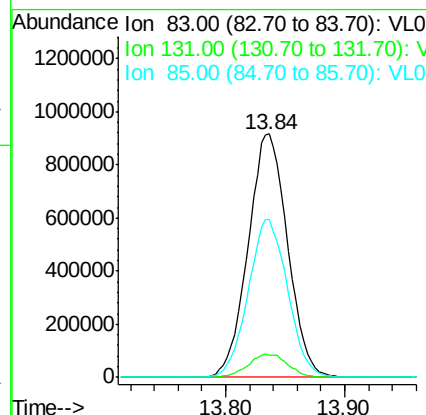
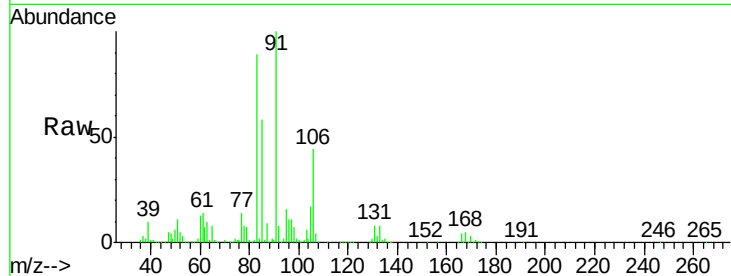
#63
 1,1,2,2-Tetrachloroethane
 Concen: 10.012 ppbv
 RT: 13.84 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VL033687.D
 Acq: 14 May 2019 12:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0514ABS01

Tot Ion	83	Resp	2102983
Ion Ratio	Lower	Upper	
83	100		
131	9.7	4.8	14.3
85	64.9	32.5	97.4

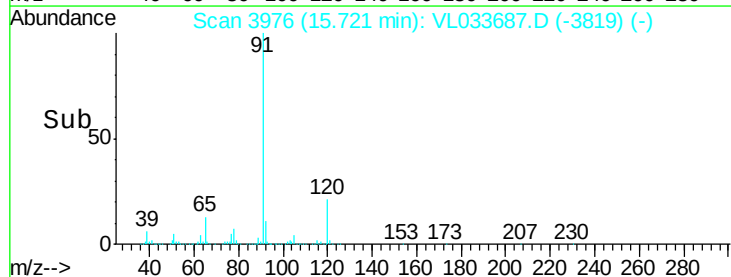
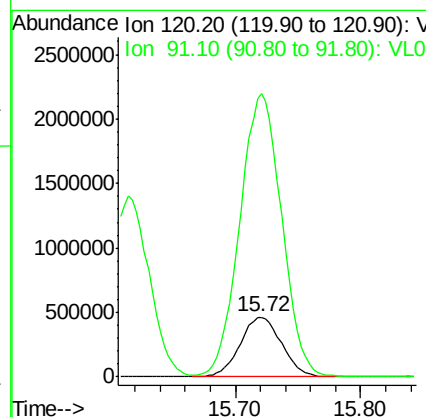
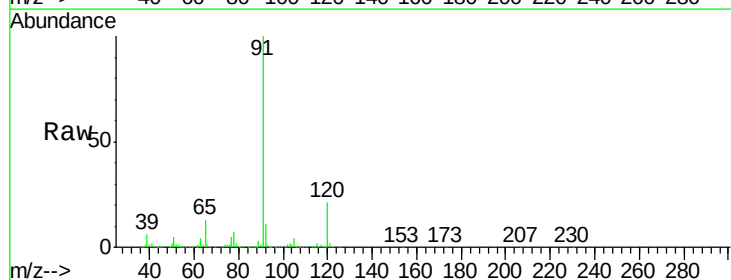
Manual Integrations
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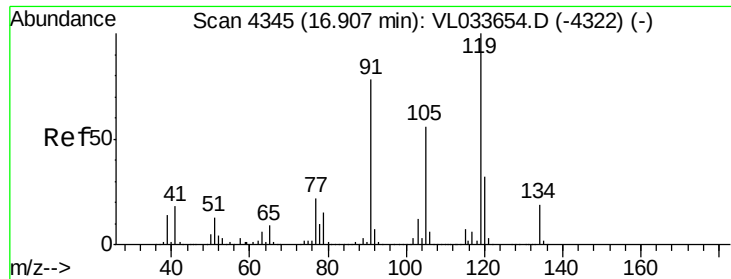
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#64
 n-propylbenzene
 Concen: 10.472 ppbv
 RT: 15.72 min Scan# 3976
 Delta R.T. 0.00 min
 Lab File: VL033687.D
 Acq: 14 May 2019 12:19

Tgt Ion	120	Resp	1066415
Ion Ratio	Lower	Upper	
120	100		
91	477.8	379.0	568.6





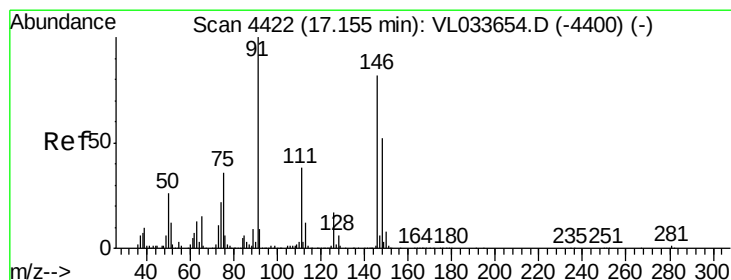
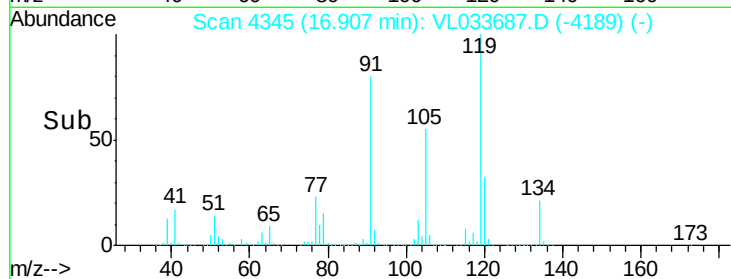
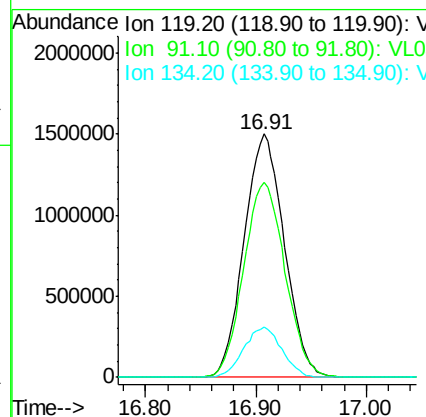
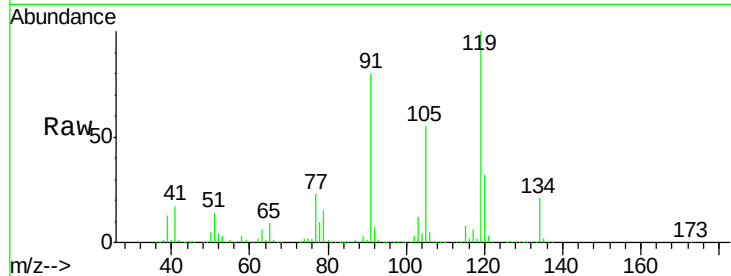
#65
 tert-Butylbenzene
 Concen: 10.468 ppbv
 RT: 16.91 min Scan# 4345
 Delta R.T. 0.00 min
 Lab File: VL033687.D
 Acq: 14 May 2019 12:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0514ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	82.7	65.9	98.9
134	19.7	15.5	23.3

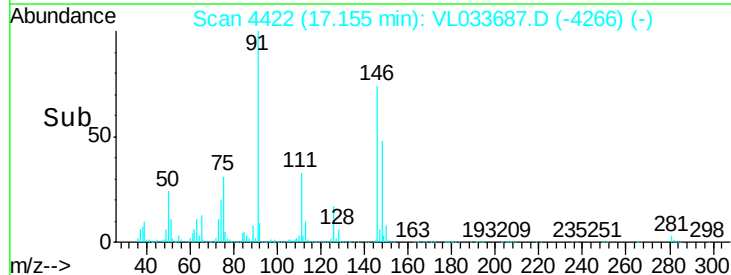
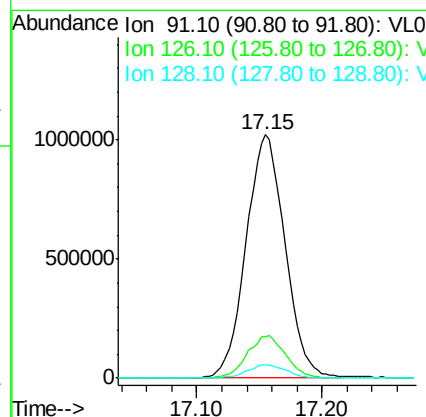
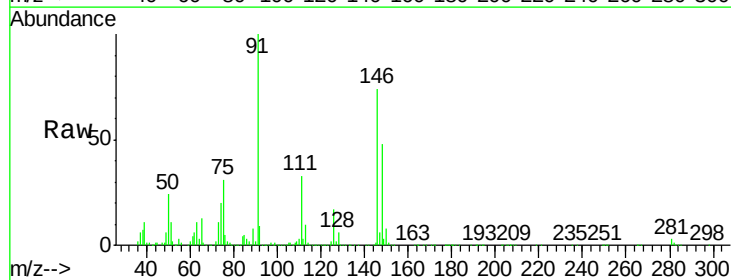
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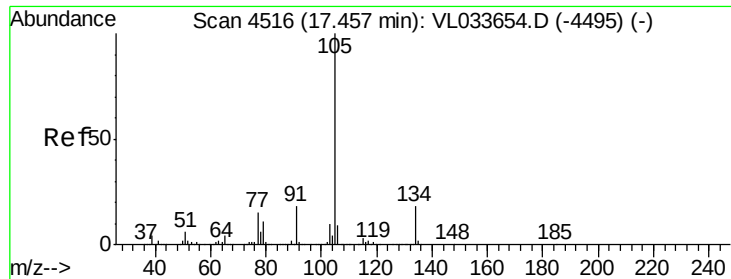
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#66
 Benzyl Chloride
 Concen: 13.437 ppbv
 RT: 17.15 min Scan# 4422
 Delta R.T. 0.00 min
 Lab File: VL033687.D
 Acq: 14 May 2019 12:19

Tgt Ion	Ratio	Lower	Upper
91	100		
126	17.1	13.4	20.2
128	5.5	4.4	6.6





#67

sec-Butylbenzene

Concen: 10.530 ppbv

RT: 17.46 min Scan# 4516

Delta R.T. 0.00 min

Lab File: VL033687.D

Acq: 14 May 2019 12:19

Instrument :

MSVOA_L

ClientSampleId :

VL0514ABS01

Tot Ion:105 Resp: 5310437

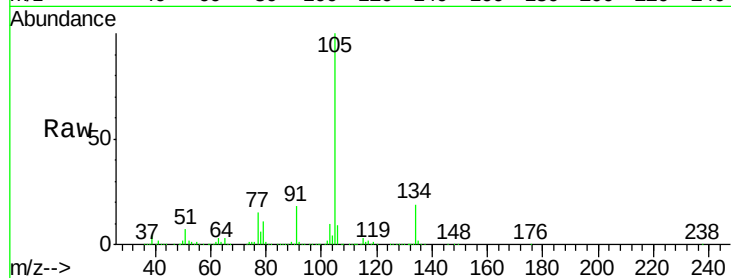
Ion Ratio Lower Upper

105 100

134 18.4 14.6 22.0

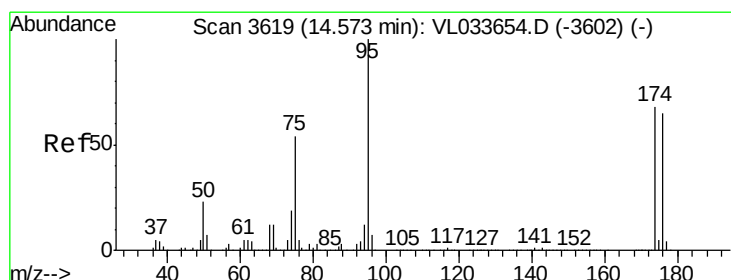
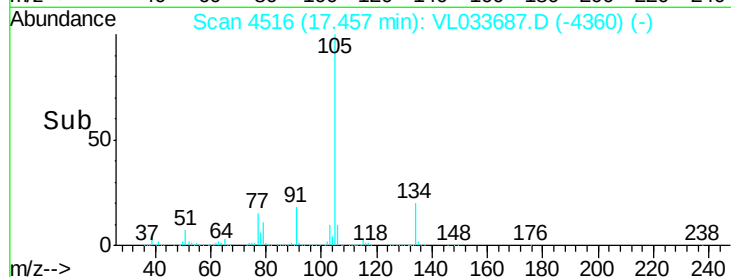
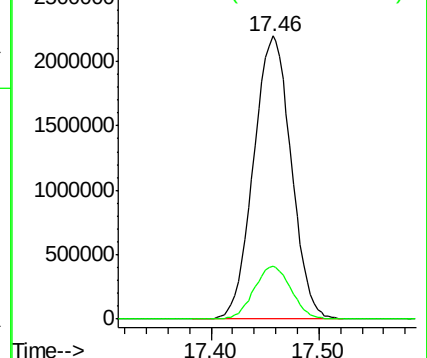
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.018 ppbv

RT: 14.58 min Scan# 3620

Delta R.T. 0.00 min

Lab File: VL033687.D

Acq: 14 May 2019 12:19

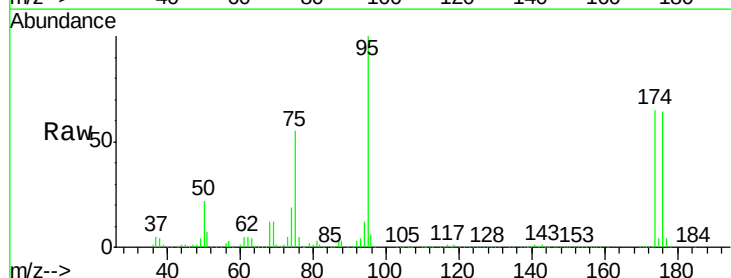
Tgt Ion: 95 Resp: 2038902

Ion Ratio Lower Upper

95 100

174 67.3 54.0 81.0

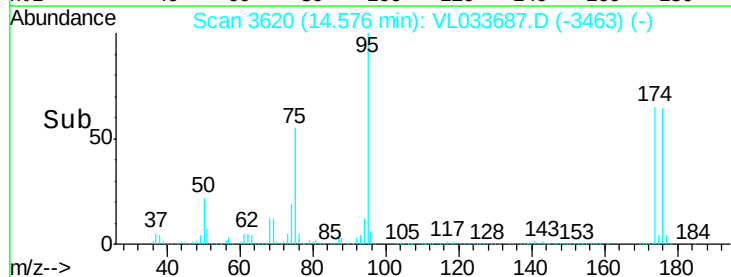
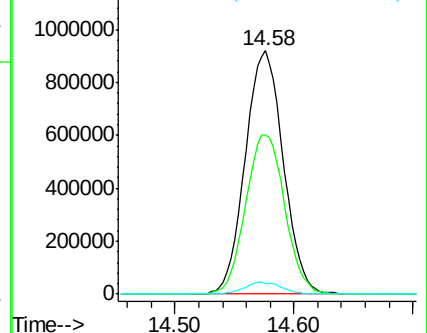
175 4.8 3.8 5.8

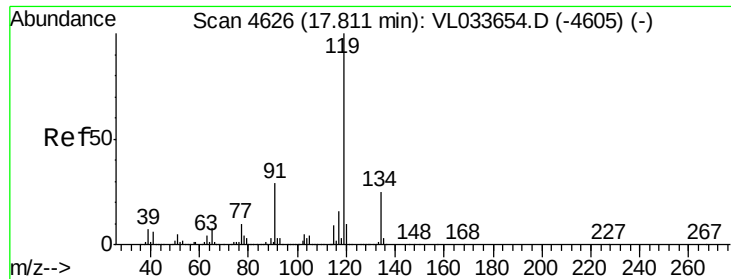


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





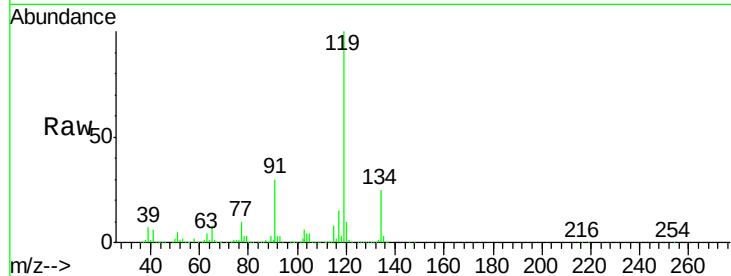
#69
 p-Isopropyltoluene
 Concen: 10.666 ppbv
 RT: 17.81 min Scan# 4627
 Delta R.T. 0.00 min
 Lab File: VL033687.D
 Acq: 14 May 2019 12:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0514ABS01

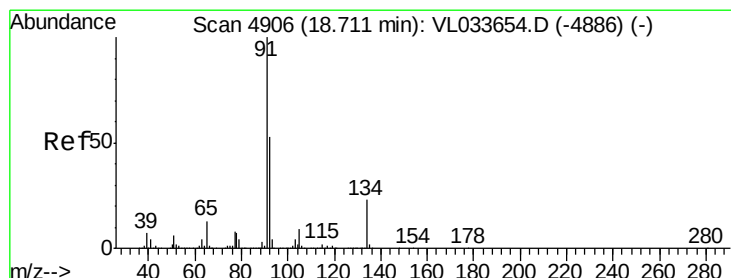
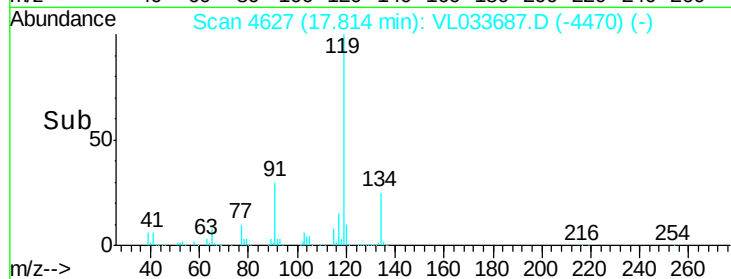
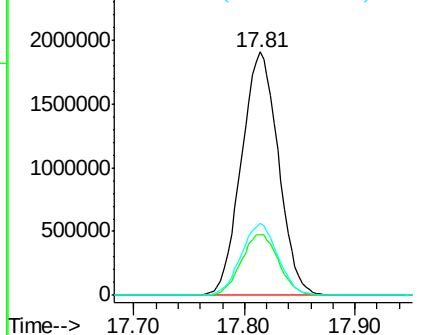
Tot Ion	Ratio	Lower	Upper
119	100		
134	25.3	20.2	30.2
91	29.4	23.4	35.2

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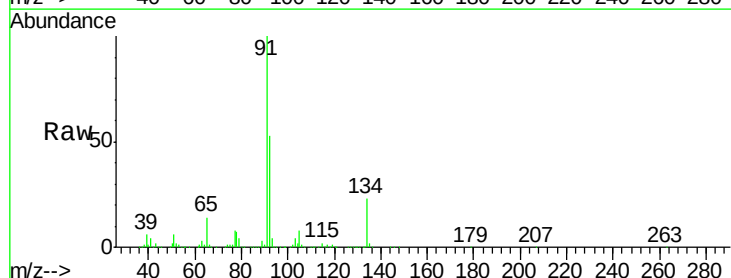


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

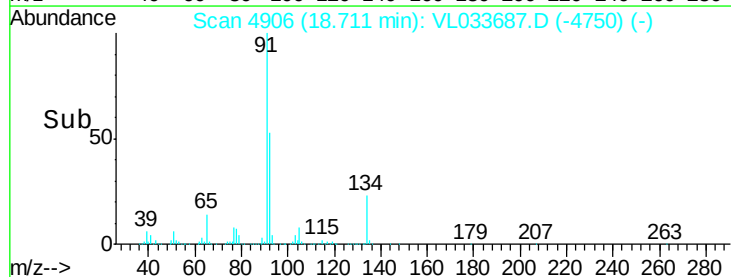
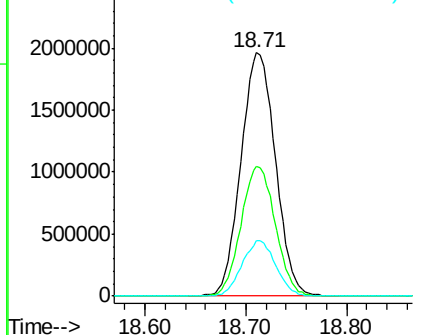


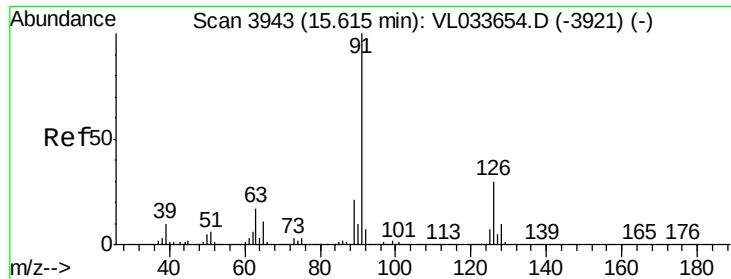
#70
 n-Butylbenzene
 Concen: 10.523 ppbv
 RT: 18.71 min Scan# 4906
 Delta R.T. 0.00 min
 Lab File: VL033687.D
 Acq: 14 May 2019 12:19

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.2	42.5	63.7
134	22.3	18.0	27.0



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 10.820 ppbv

RT: 15.61 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VL033687.D

Acq: 14 May 2019 12:19

Instrument :

MSVOA_L

ClientSampleId :

VL0514ABS01

Tot Ion: 91 Resp: 3150044

Ion Ratio Lower Upper

91 100

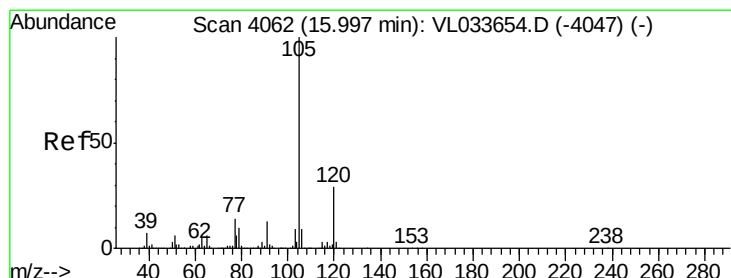
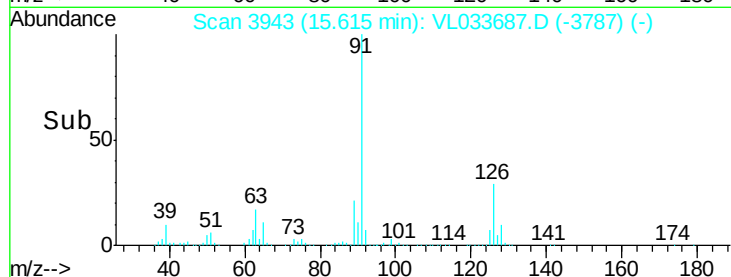
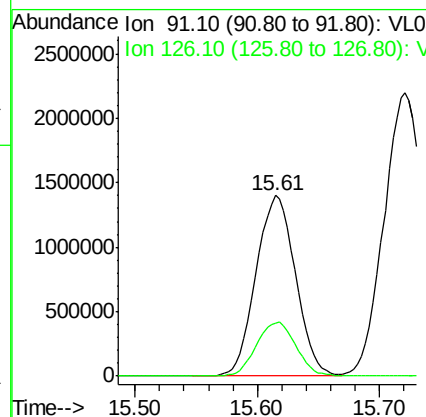
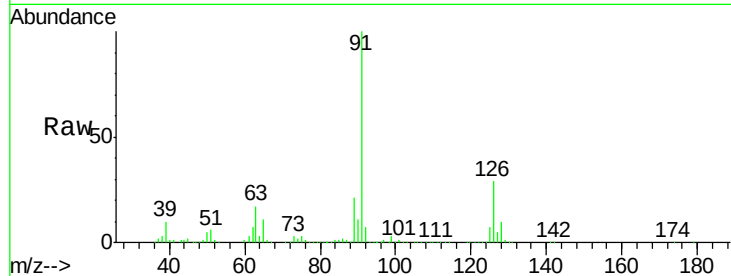
126 29.9 12.0 47.8

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#72

4-Ethyltoluene

Concen: 10.683 ppbv

RT: 16.00 min Scan# 4062

Delta R.T. 0.00 min

Lab File: VL033687.D

Acq: 14 May 2019 12:19

Tgt Ion: 105 Resp: 3623871

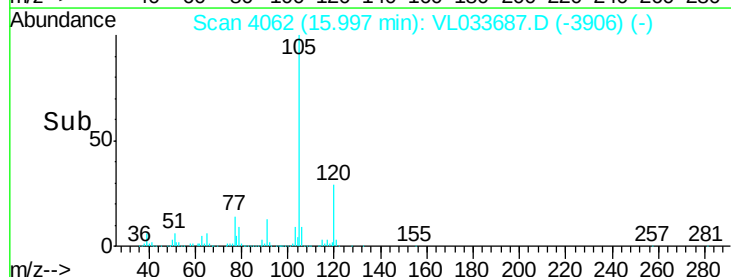
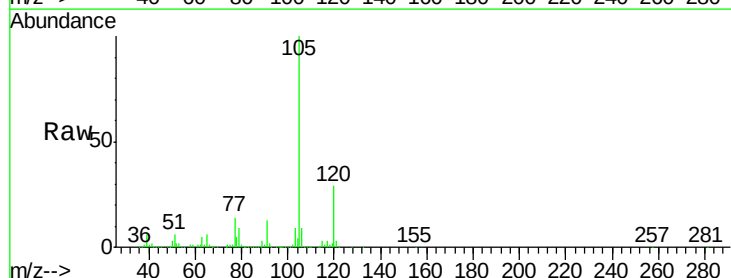
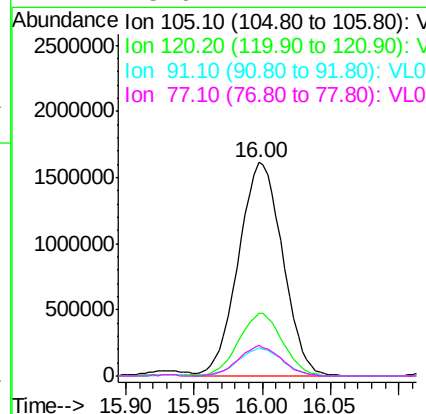
Ion Ratio Lower Upper

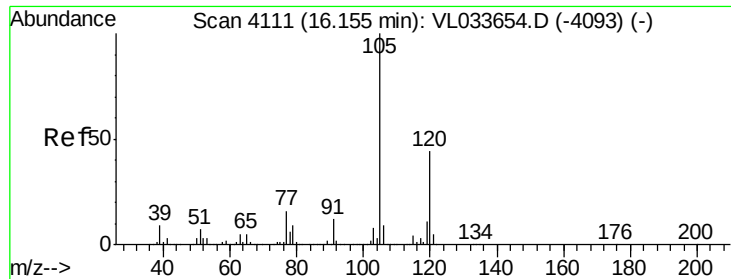
105 100

120 29.0 23.0 34.6

91 13.4 10.5 15.7

77 13.9 11.4 17.2





#73

1,3,5-Trimethylbenzene

Concen: 10.574 ppbv

RT: 16.16 min Scan# 4112

Delta R.T. 0.00 min

Lab File: VL033687.D

Acq: 14 May 2019 12:19

Instrument :

MSVOA_L

ClientSampleId :

VL0514ABS01

Tot Ion:105 Resp: 3468125

Ion Ratio Lower Upper

105 100

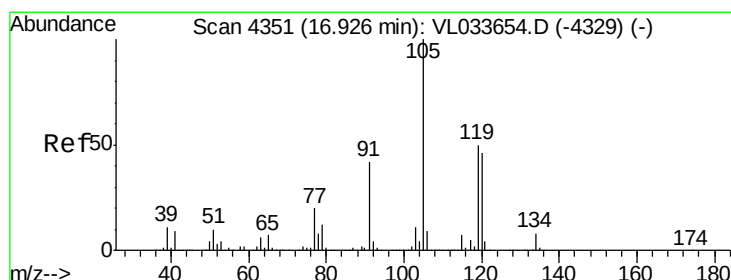
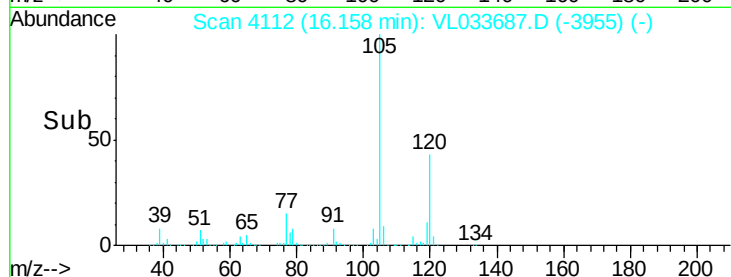
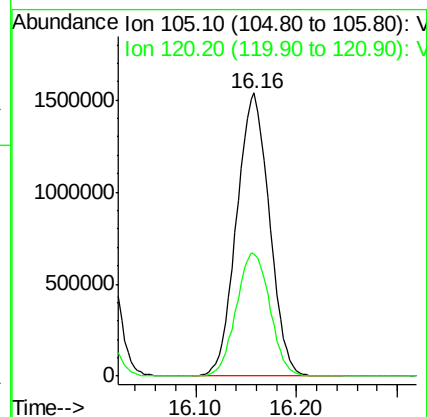
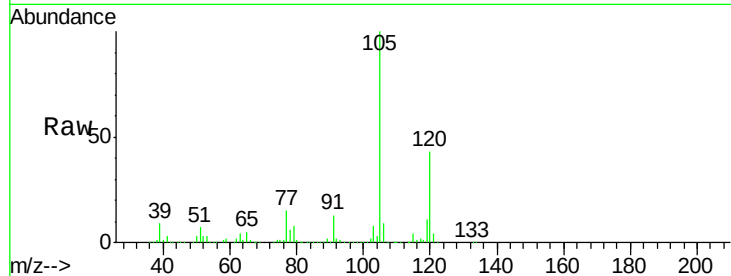
120 43.0 35.5 53.3

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#74

1,2,4-Trimethylbenzene

Concen: 9.962 ppbv

RT: 16.93 min Scan# 4351

Delta R.T. 0.00 min

Lab File: VL033687.D

Acq: 14 May 2019 12:19

Tgt Ion:105 Resp: 3632102

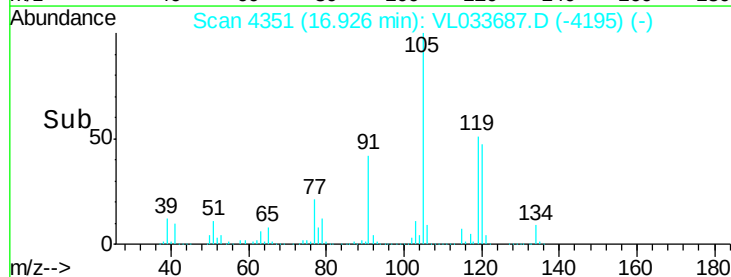
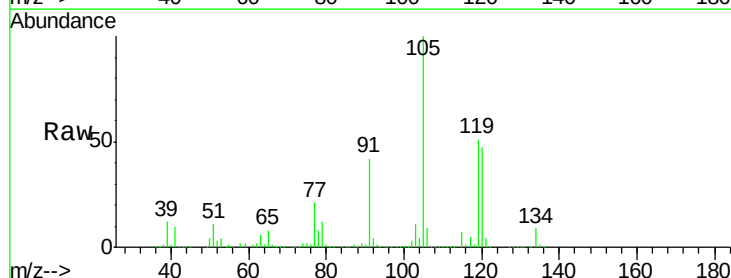
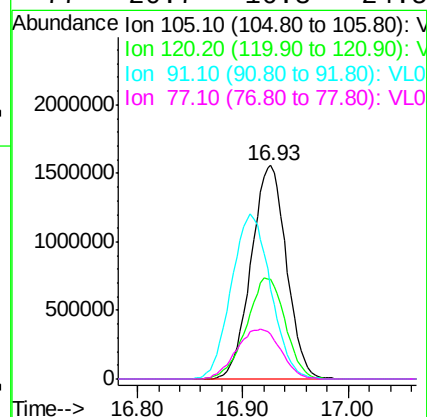
Ion Ratio Lower Upper

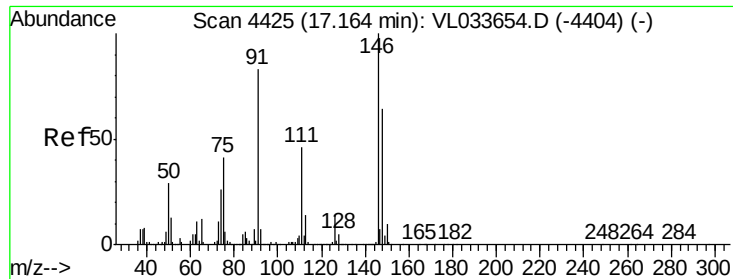
105 100

120 46.9 36.5 54.7

91 41.7 33.7 50.5

77 20.7 16.3 24.5





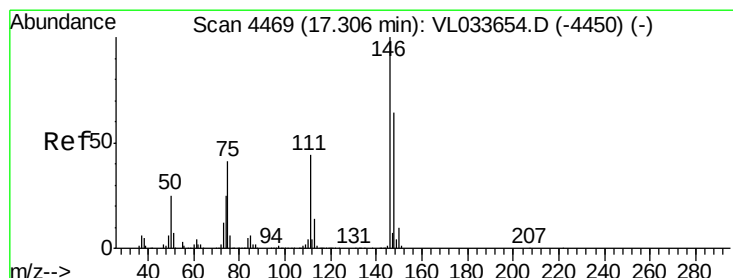
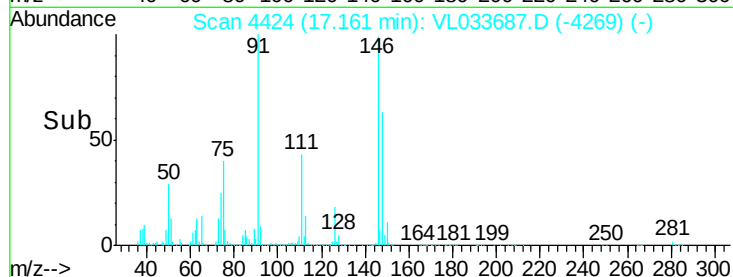
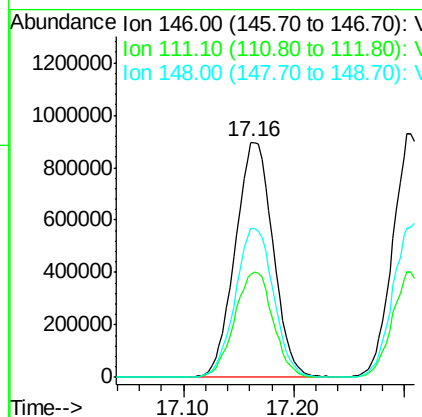
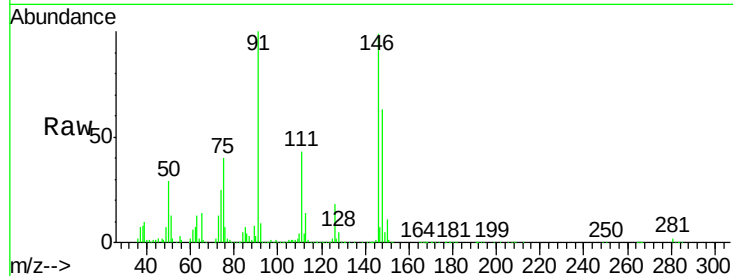
#75
 1,3-Dichlorobenzene
 Concen: 9.705 ppbv
 RT: 17.16 min Scan# 4424
 Delta R.T. -0.00 min
 Lab File: VL033687.D
 Acq: 14 May 2019 12:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0514ABS01

Tot Ion:146 Resp: 2137095
 Ion Ratio Lower Upper
 146 100
 111 45.3 22.6 67.7
 148 64.1 31.8 95.4

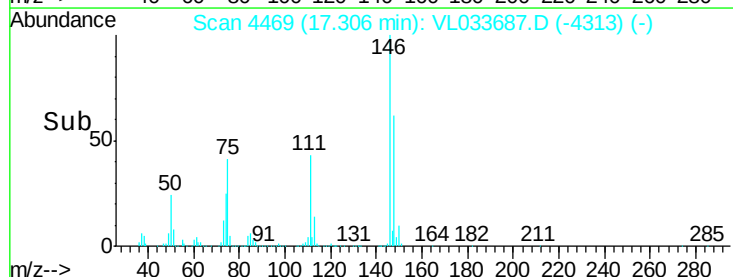
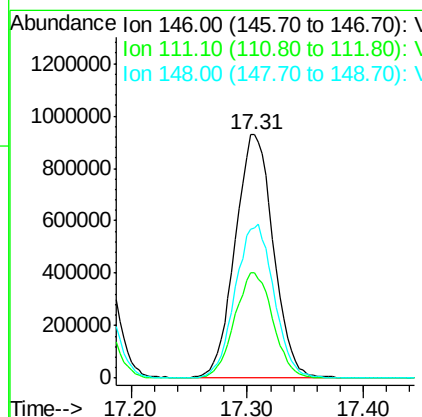
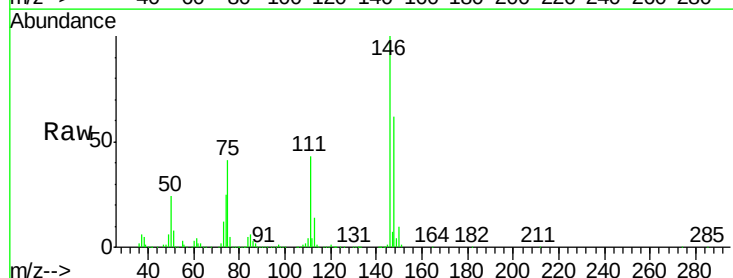
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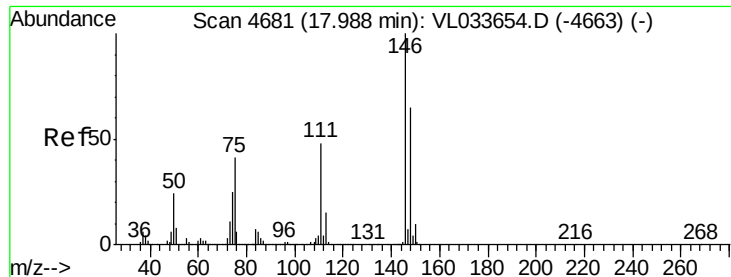
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#76
 1,4-Dichlorobenzene
 Concen: 10.143 ppbv
 RT: 17.31 min Scan# 4469
 Delta R.T. 0.00 min
 Lab File: VL033687.D
 Acq: 14 May 2019 12:19

Tgt Ion:146 Resp: 2119698
 Ion Ratio Lower Upper
 146 100
 111 43.3 22.0 66.0
 148 64.4 32.1 96.5





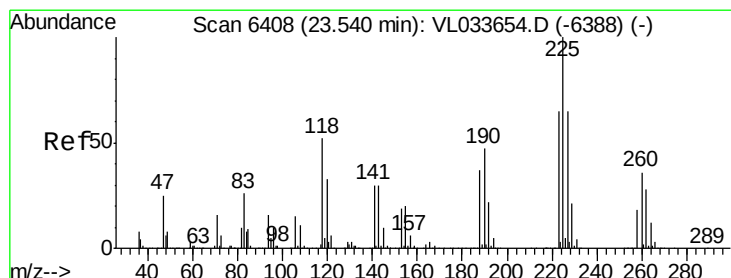
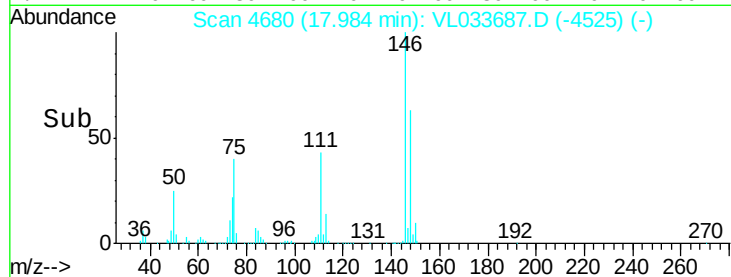
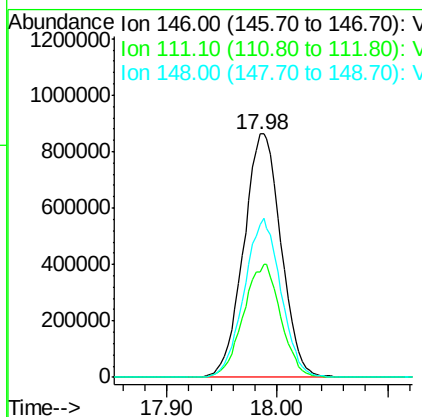
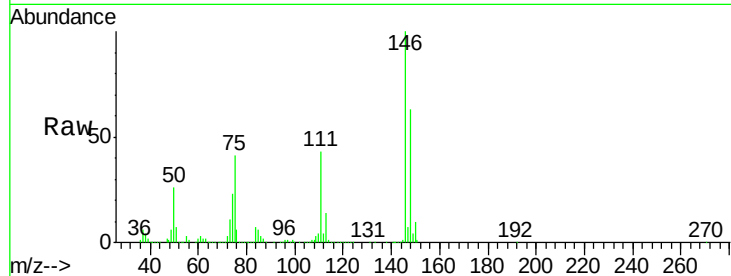
#77
 1,2-Dichlorobenzene
 Concen: 9.912 ppbv
 RT: 17.98 min Scan# 4680
 Delta R.T. -0.00 min
 Lab File: VL033687.D
 Acq: 14 May 2019 12:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0514ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.7	23.4	70.0
148	64.0	31.9	95.9

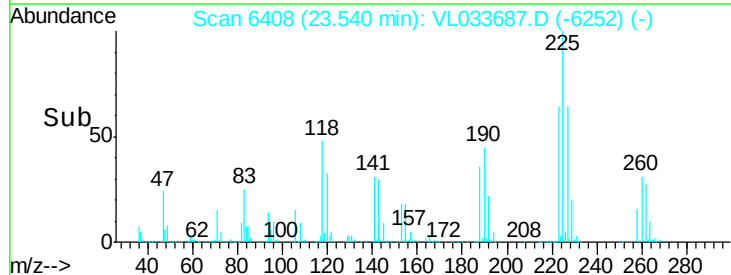
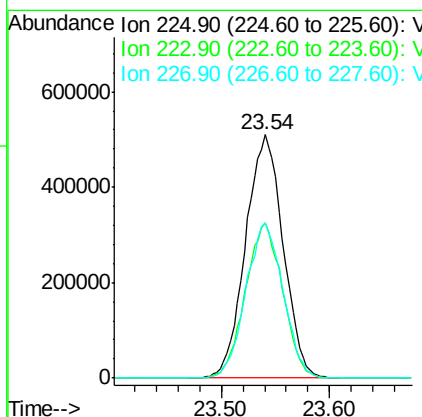
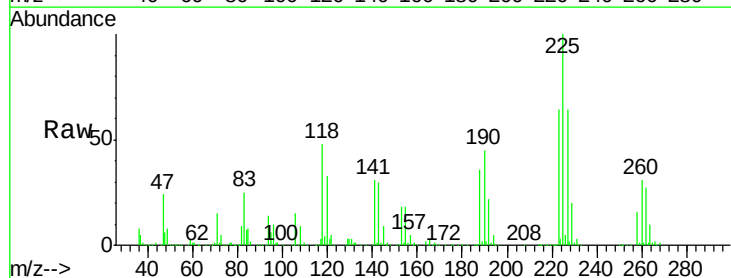
Manual Integrations
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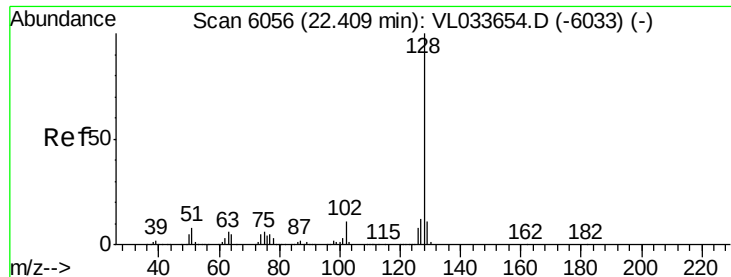
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#78
 Hexachloro-1,3-Butadiene
 Concen: 7.612 ppbv
 RT: 23.54 min Scan# 6408
 Delta R.T. 0.00 min
 Lab File: VL033687.D
 Acq: 14 May 2019 12:19

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	50.7	76.1
227	63.3	51.4	77.2





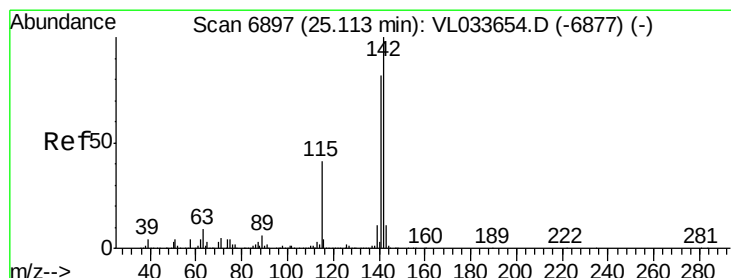
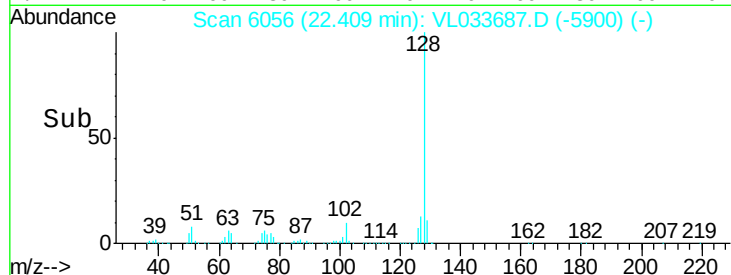
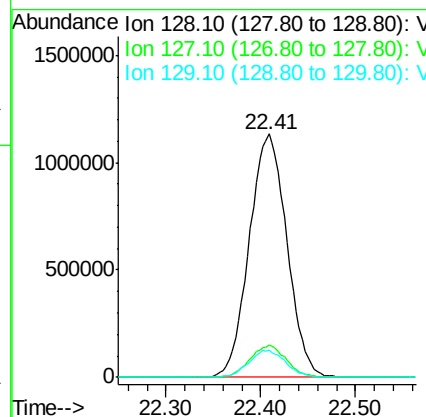
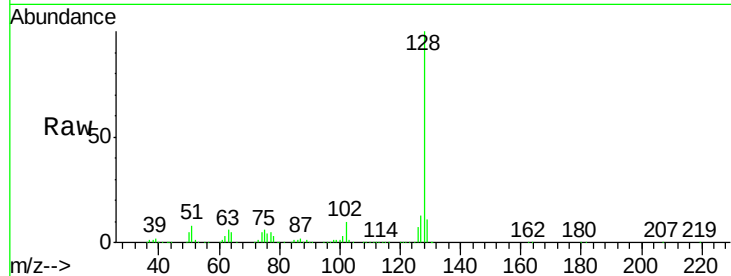
#79
Naphthalene
Concen: 9.413 ppbv
RT: 22.41 min Scan# 6056
Delta R.T. 0.00 min
Lab File: VL033687.D
Acq: 14 May 2019 12:19

Instrument :
MSVOA_L
ClientSampleId :
VL0514ABS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	9.8	14.8
129	11.0	8.8	13.2

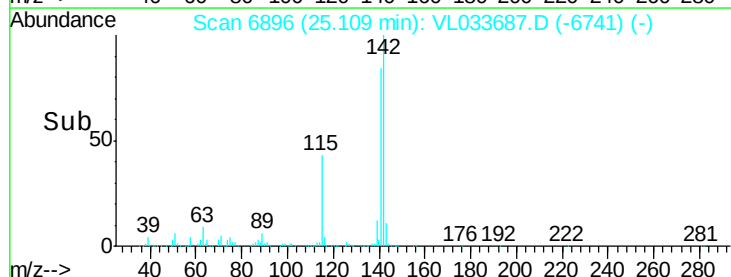
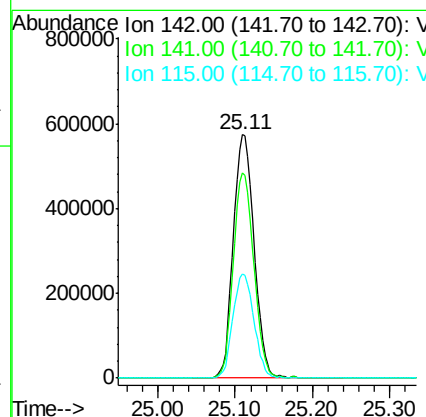
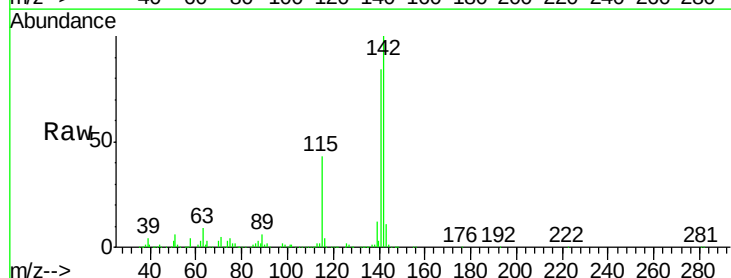
Manual Integrations
APPROVED

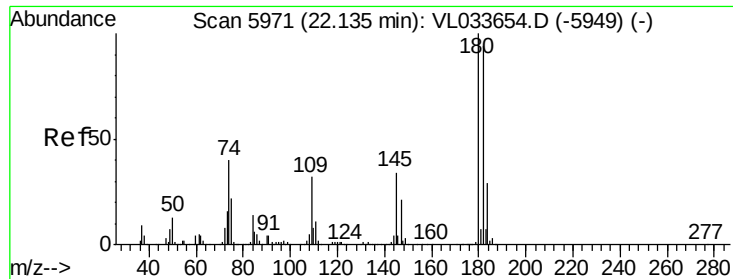
MMDadoda
5/16/2019 5:41:00 AM



#80
Naphthalene, 2-methyl-
Concen: 8.412 ppbv
RT: 25.11 min Scan# 6896
Delta R.T. -0.00 min
Lab File: VL033687.D
Acq: 14 May 2019 12:19

Tgt Ion	Ratio	Lower	Upper
142	100		
141	83.6	67.9	101.9
115	43.3	34.2	51.4





#81
 1,2,4-Trichlorobenzene
 Concen: 8.943 ppbv
 RT: 22.14 min Scan# 5971
 Delta R.T. 0.00 min
 Lab File: VL033687.D
 Acq: 14 May 2019 12:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0514ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.6	77.4	116.0
184	30.9	24.6	36.8

Manual Integrations
 APPROVED

MMDadoda
 5/16/2019 5:41:00 AM

