

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052219\
 Data File : VL033741.D
 Acq On : 22 May 2019 12:10
 Operator : SY/AP
 Sample : VL0522ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0522ABS01

Manual Integrations
 APPROVED

Quant Time: May 23 04:45:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May 1
 QLast Update : Fri May 17 08:15:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	991362	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2632958	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	2697826m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	2221093	10.16	ppbv	0.00	MMDadoda
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.60%	

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.07	85	1631422	7.809	ppbv	99
3) Chlorodifluoromethane	3.01	51	1085285	9.557	ppbv	97
4) Chloromethane	3.17	50	630672	9.710	ppbv	99
5) Vinyl Chloride	3.29	62	636411	9.619	ppbv	95
6) Bromomethane	3.51	94	405908	10.055	ppbv	99
7) Chloroethane	3.59	64	240320	10.221	ppbv	94
8) Dichlorotetrafluoroethane	3.21	85	1648011	9.784	ppbv	99
9) Propene	3.03	41	462162	9.569	ppbv	100
10) Heptane	8.24	43	1425255	10.420	ppbv	100
11) Trichlorofluoromethane	4.00	101	1959259	9.826	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.54	101	1311636	9.420	ppbv	99
13) Ethanol	3.64	45	88750	5.685	ppbv	97
14) Bromoethene	3.78	108	530685	10.367	ppbv	99
15) Acetone	3.89	43	1192429	8.669	ppbv	100
16) 1,3-Butadiene	3.36	39	568303	10.375	ppbv	99
17) tert-Butyl alcohol	4.35	59	1129702	10.157	ppbv	100
18) 1,1-Dichloroethene	4.35	96	581733	9.898	ppbv	98
19) Isopropyl Alcohol	4.02	45	798451	9.003	ppbv #	99
20) Methylene Chloride	4.40	84	491838	9.287	ppbv	99
21) Allyl Chloride	4.47	41	845420	9.854	ppbv	99
22) trans-1,2-Dichloroethene	4.96	96	594113	9.862	ppbv	94
23) Vinyl Acetate	5.15	43	1824267	10.059	ppbv	99
24) 1,1-Dichloroethane	5.08	63	1301642	9.442	ppbv	99
25) Ethyl Acetate	5.76	43	2255248	9.334	ppbv	100
26) Hexane	5.77	57	978811	9.423	ppbv	97
27) Carbon Disulfide	4.61	76	1467548	10.298	ppbv	99
28) Methyl tert-Butyl Ether	5.10	73	1657970	9.791	ppbv	99
29) Chloroform	5.84	83	1712522	8.950	ppbv	99
30) Cyclohexane	7.24	84	963036	11.028	ppbv	99
31) cis-1,2-Dichloroethene	5.63	61	1017319	9.877	ppbv	98
32) 1,1,1-Trichloroethane	6.61	97	2031290	10.632	ppbv	99
34) 2-Butanone	5.32	43	1447745	8.871	ppbv	100
35) Carbon Tetrachloride	7.12	117	2177133	10.322	ppbv	97
36) Benzene	7.00	78	2328044	9.720	ppbv	99
37) 1,2-Dichloroethane	6.41	62	1513873	9.799	ppbv	99
38) Trichloroethene	7.95	130	950020	10.690	ppbv	94
39) 1,2-Dichloropropane	7.73	63	853289	9.556	ppbv	99
40) 1,4-Dioxane	7.94	88	317912	8.511	ppbv #	97
41) Tetrahydrofuran	6.14	42	800517	8.754	ppbv	99
42) Bromodichloromethane	7.91	83	2107570	9.964	ppbv	94
43) Methyl Methacrylate	8.13	69	918040	10.415	ppbv	99

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 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

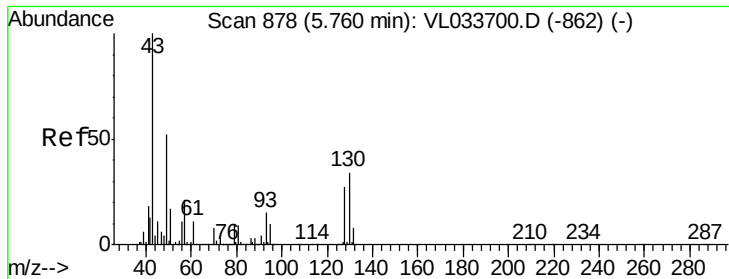
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0522ABS01

Manual Integrations
 APPROVED

Quant Time: May 23 04:45:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May 1
 QLast Update : Fri May 17 08:15:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.98	57	3861622	9.540	ppbv	99
45) t-1,3-Dichloropropene	9.41	75	1245098	11.142	ppbv	95
46) cis-1,3-Dichloropropene	8.83	75	1409788	10.775	ppbv	99
47) 1,1,2-Trichloroethane	9.61	97	971068	9.573	ppbv	97
48) Dibromochloromethane	10.44	129	1789699	10.182	ppbv	99
49) Bromoform	13.19	173	1659702	11.222	ppbv	100
50) 4-Methyl-2-Pentanone	8.86	43	2466839	9.827	ppbv	99
51) 2-Hexanone	10.26	43	2039698	10.411	ppbv #	100
52) Tetrachloroethene	11.36	164	881844	10.474	ppbv	97
53) Toluene	9.94	91	2703371	10.465	ppbv	99
54) 1,2-Dibromoethane	10.75	107	1530936	9.889	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.27	131	1235329	9.895	ppbv	97
57) Chlorobenzene	12.29	112	2131812	9.600	ppbv	99
58) Ethyl Benzene	12.86	91	3789563	10.607	ppbv	99
59) m/p-Xylene	13.14	91	6365534m	20.383	ppbv	
60) o-Xylene	13.84	91	3234893	10.275	ppbv	100
61) Styrene	13.68	104	2386024	11.257	ppbv	99
62) Isopropylbenzene	14.82	105	4332946	10.220	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.83	83	2273511	9.931	ppbv	100
64) n-propylbenzene	15.71	120	1133708	10.338	ppbv	99
65) tert-Butylbenzene	16.90	119	4041765	10.441	ppbv	99
66) Benzyl Chloride	17.15	91	2114466	11.469	ppbv	99
67) sec-Butylbenzene	17.45	105	5547036	10.238	ppbv	100
69) p-Isopropyltoluene	17.81	119	4612526	10.300	ppbv	99
70) n-Butylbenzene	18.71	91	4739000	9.868	ppbv	100
71) 2-Chlorotoluene	15.61	91	3295789	10.478	ppbv	100
72) 4-Ethyltoluene	15.99	105	3886727	10.798	ppbv	100
73) 1,3,5-Trimethylbenzene	16.15	105	3692389	10.513	ppbv	98
74) 1,2,4-Trimethylbenzene	16.92	105	3849829	10.072	ppbv	99
75) 1,3-Dichlorobenzene	17.15	146	2205141	9.415	ppbv	100
76) 1,4-Dichlorobenzene	17.30	146	2173495	9.764	ppbv	99
77) 1,2-Dichlorobenzene	17.98	146	2122245	9.643	ppbv	100
78) Hexachloro-1,3-Butadiene	23.53	225	1393504	8.375	ppbv	100
79) Naphthalene	22.40	128	3010170	8.479	ppbv	99
80) Naphthalene, 2-methyl-	25.10	142	945789	7.011	ppbv	96
81) 1,2,4-Trichlorobenzene	22.13	180	1717143	8.260	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 877

Delta R.T. -0.00 min

Lab File: VL033741.D

Acq: 22 May 2019 12:10

Instrument :

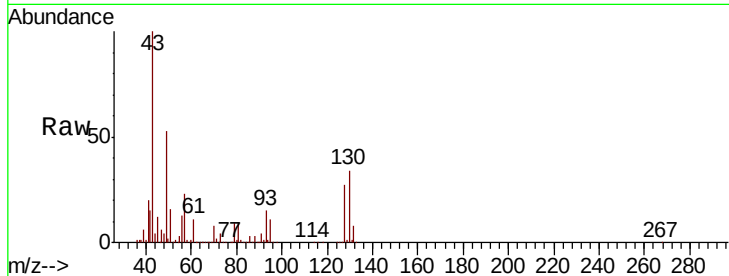
MSVOA_L

ClientSampleId :

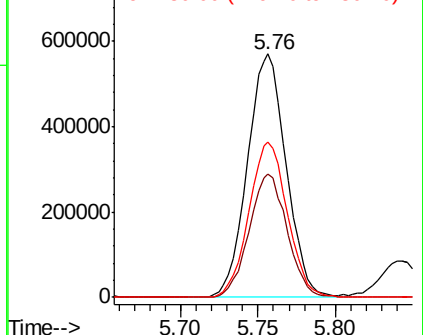
VL0522ABS01

Tot Ion:	49	Resp:	991362
Ion	Ratio	Lower	Upper
49	100		
128	49.9	25.2	75.6
130	63.8	32.5	97.5

Manual Integrations
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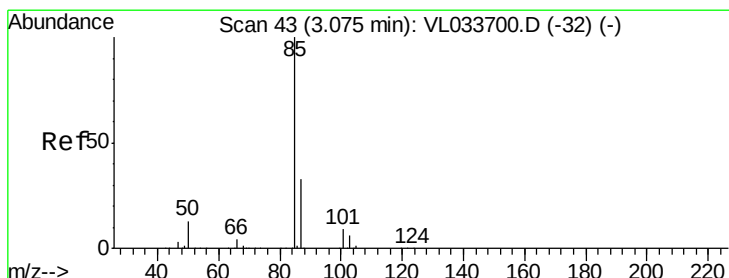
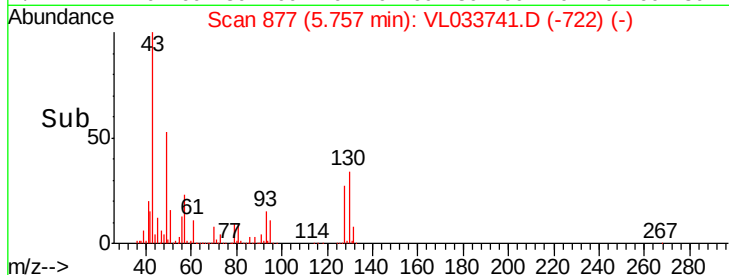


Abundance Ion 49.10 (48.80 to 49.80): VL0
Ion 128.00 (127.70 to 128.70): V
Ion 130.00 (129.70 to 130.70): V



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#2

Dichlorodifluoromethane

Concen: 7.809 ppbv

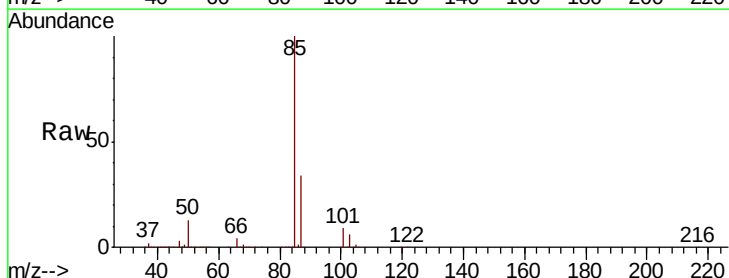
RT: 3.07 min Scan# 42

Delta R.T. -0.00 min

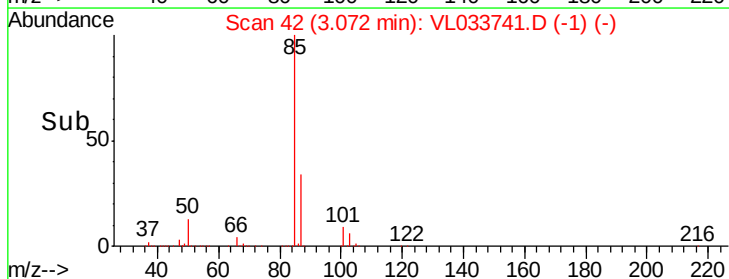
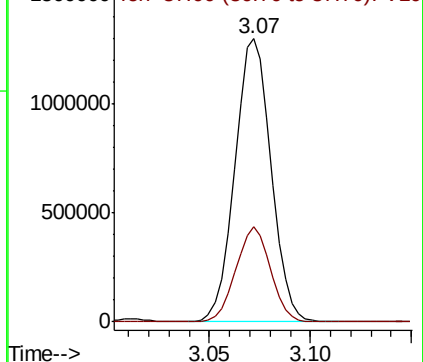
Lab File: VL033741.D

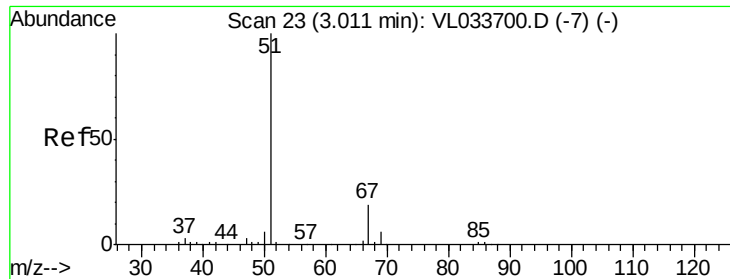
Acq: 22 May 2019 12:10

Tgt Ion:	85	Resp:	1631422
Ion	Ratio	Lower	Upper
85	100		
87	33.5	26.3	39.5



Abundance Ion 85.00 (84.70 to 85.70): VL0
Ion 87.00 (86.70 to 87.70): VL0



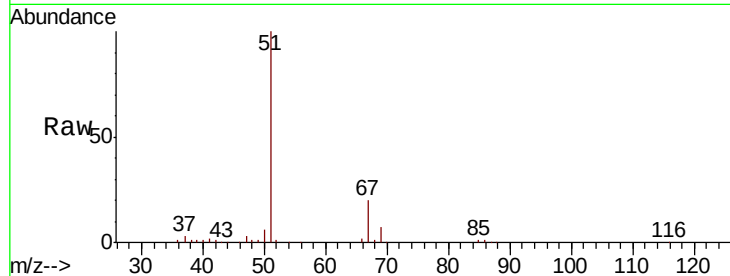


#3
Chlorodifluoromethane
Concen: 9.557 ppbv
RT: 3.01 min Scan# 23
Delta R.T. 0.00 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

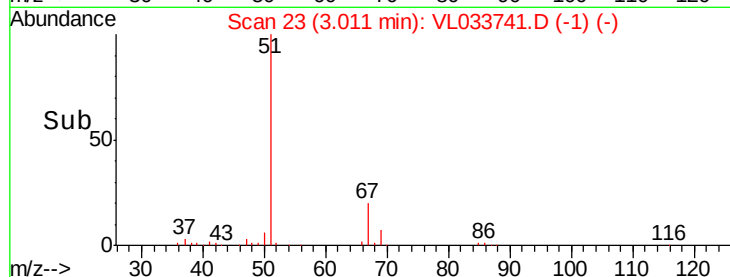
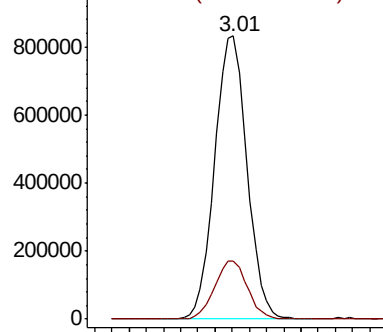
Instrument :
MSVOA_L
ClientSampleId :
VL0522ABS01

Tot Ion: 51 Resp: 1085285
Ion Ratio Lower Upper
51 100
67 20.7 15.6 23.4

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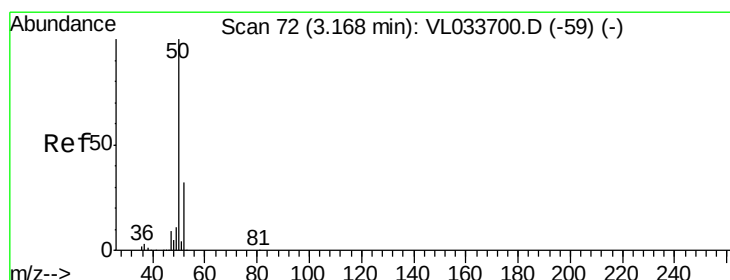


Abundance Ion 51.00 (50.70 to 51.70): VL0
Ion 67.00 (66.70 to 67.70): VL0



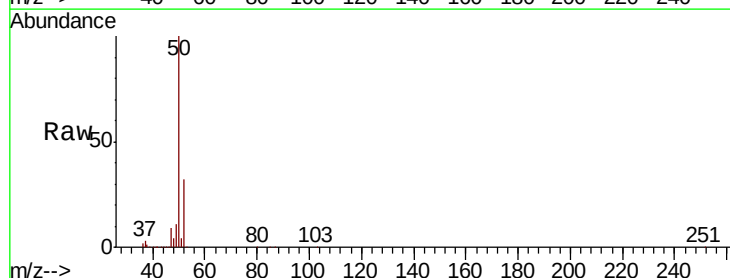
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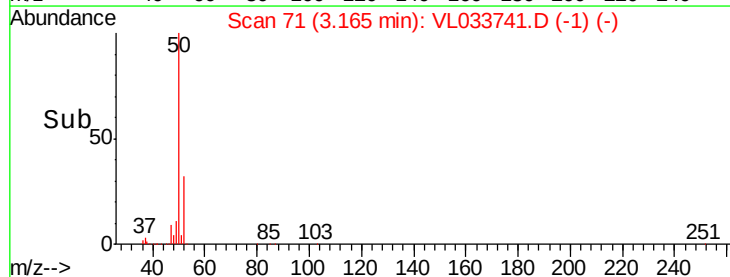
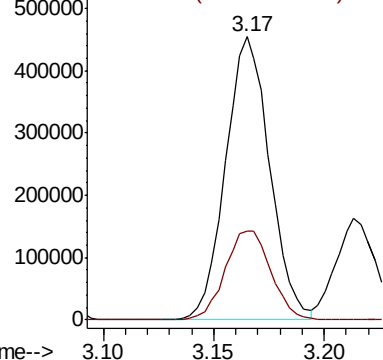


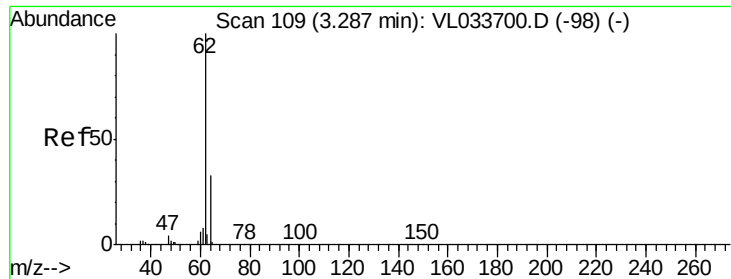
#4
Chloromethane
Concen: 9.710 ppbv
RT: 3.17 min Scan# 71
Delta R.T. -0.00 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Tgt Ion: 50 Resp: 630672
Ion Ratio Lower Upper
50 100
52 31.6 25.7 38.5



Abundance Ion 50.10 (49.80 to 50.80): VL0
Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.619 ppbv

RT: 3.29 min Scan# 109

Delta R.T. 0.00 min

Lab File: VL033741.D

Acq: 22 May 2019 12:10

Instrument :

MSVOA_L

ClientSampleId :

VL0522ABS01

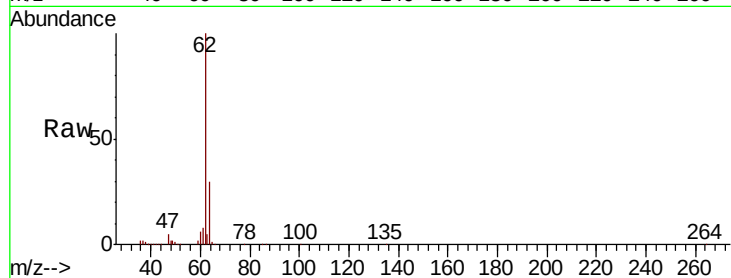
Tot Ion: 62 Resp: 636411

Ion Ratio Lower Upper

62 100

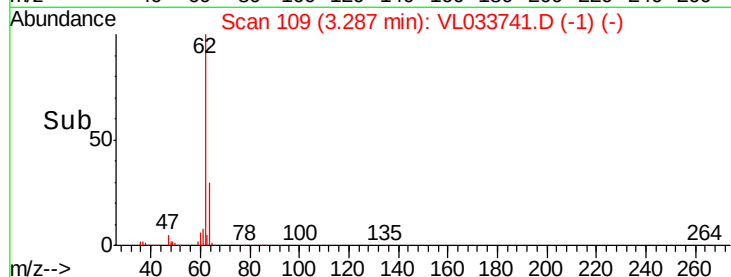
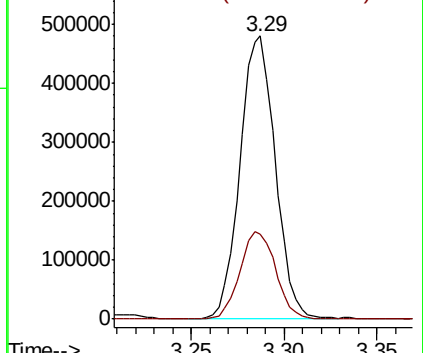
64 30.2 26.4 39.6

Manual Integrations
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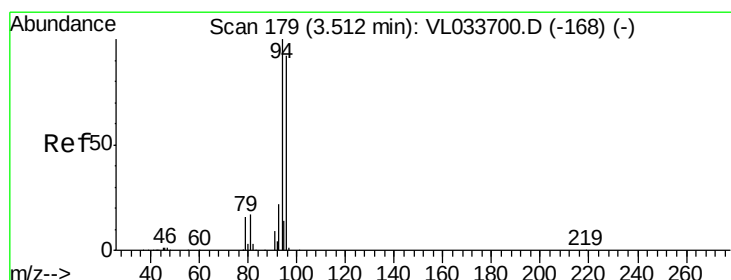
Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



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#6

Bromomethane

Concen: 10.055 ppbv

RT: 3.51 min Scan# 178

Delta R.T. -0.00 min

Lab File: VL033741.D

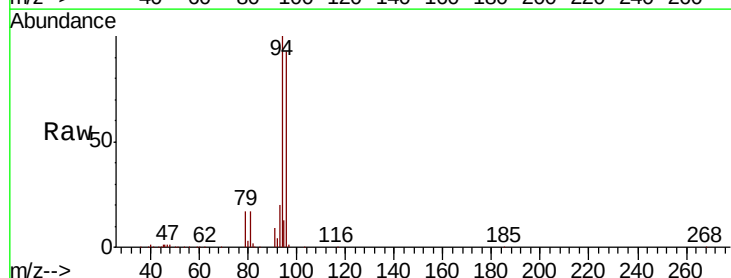
Acq: 22 May 2019 12:10

Tgt Ion: 94 Resp: 405908

Ion Ratio Lower Upper

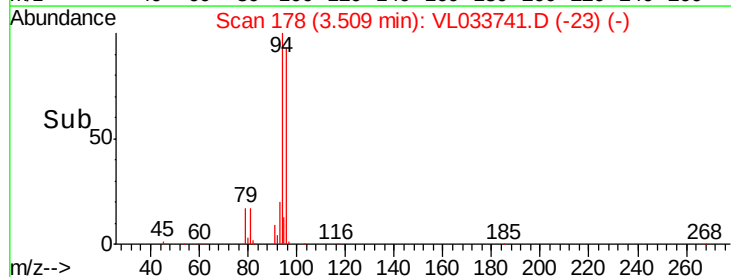
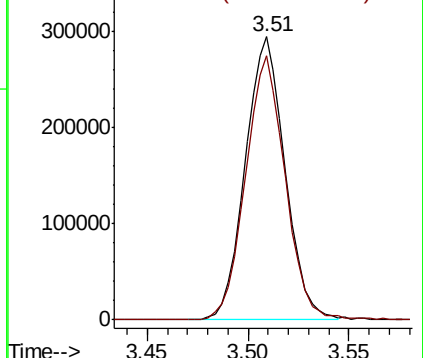
94 100

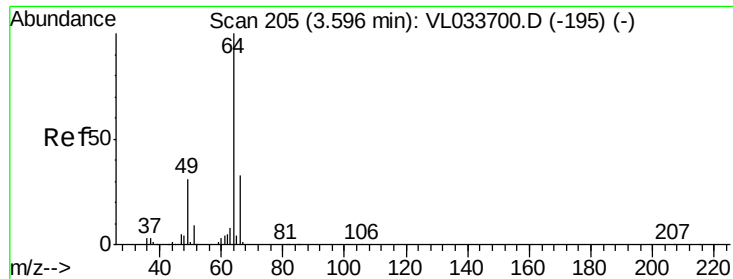
96 93.2 73.6 110.4



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.221 ppbv

RT: 3.59 min Scan# 204

Delta R.T. -0.00 min

Lab File: VL033741.D

Acq: 22 May 2019 12:10

Instrument :

MSVOA_L

ClientSampleId :

VL0522ABS01

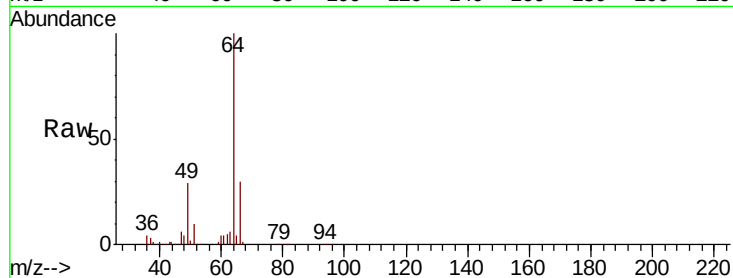
Tot Ion: 64 Resp: 240320

Ion Ratio Lower Upper

64 100

66 29.6 26.6 40.0

Manual Integrations
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.59

200000

150000

100000

50000

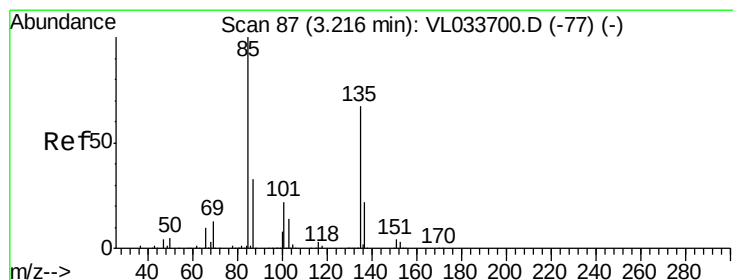
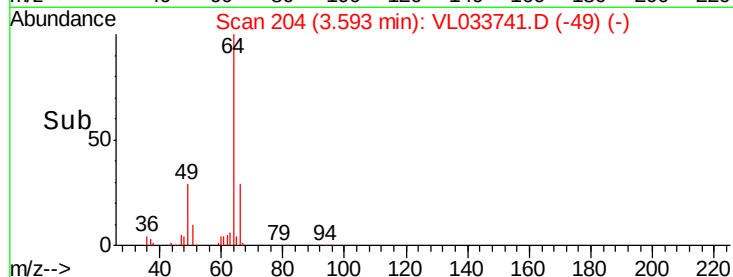
0

3.55 3.60 3.65

Time-->

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#8

Dichlorotetrafluoroethane

Concen: 9.784 ppbv

RT: 3.21 min Scan# 86

Delta R.T. -0.00 min

Lab File: VL033741.D

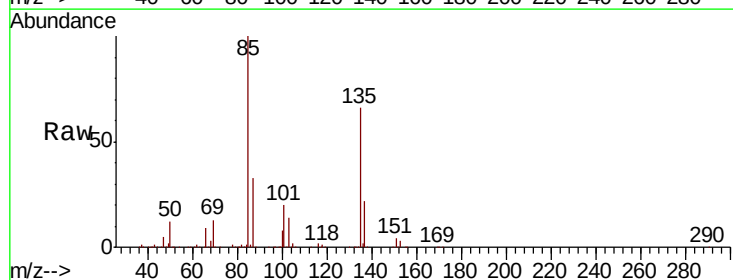
Acq: 22 May 2019 12:10

Tgt Ion: 85 Resp: 1648011

Ion Ratio Lower Upper

85 100

135 67.6 54.5 81.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.21

1500000

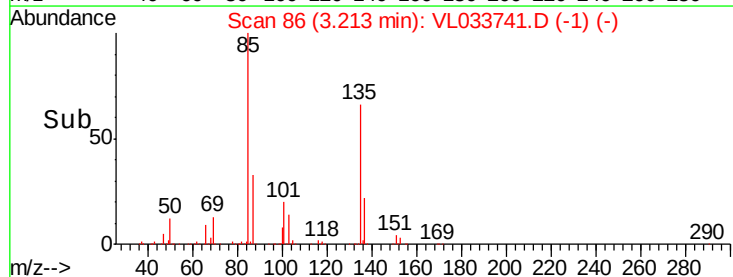
1000000

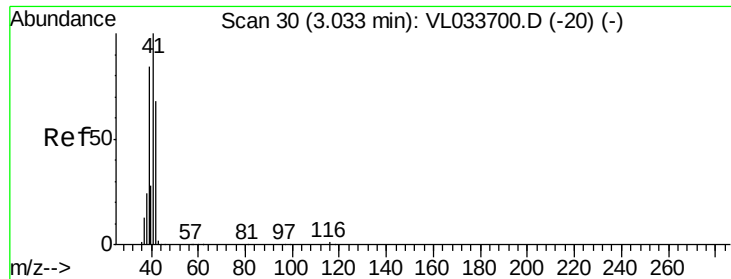
500000

0

3.15 3.20 3.25

Time-->





#9

Propene

Concen: 9.569 ppbv

RT: 3.03 min Scan# 30

Delta R.T. 0.00 min

Lab File: VL033741.D

Acq: 22 May 2019 12:10

Instrument :

MSVOA_L

ClientSampleId :

VL0522ABS01

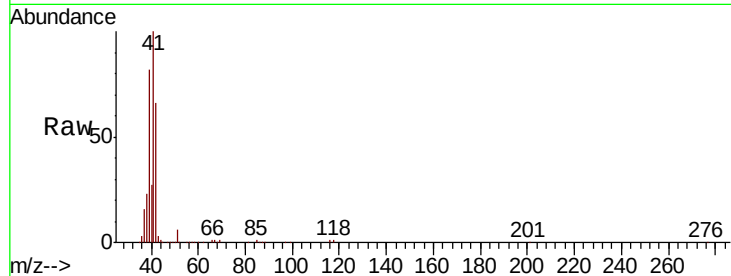
Tot Ion: 41 Resp: 462162

Ion Ratio Lower Upper

41 100

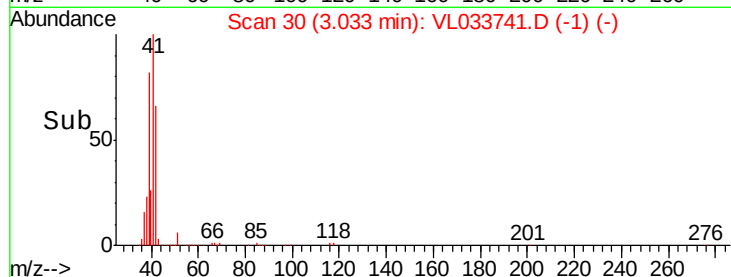
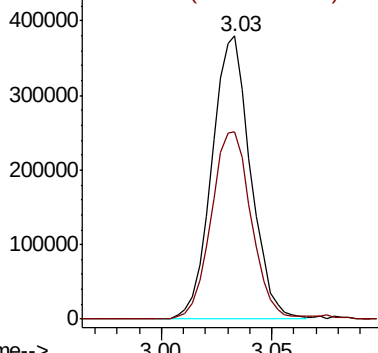
42 69.8 56.1 84.1

Manual Integrations
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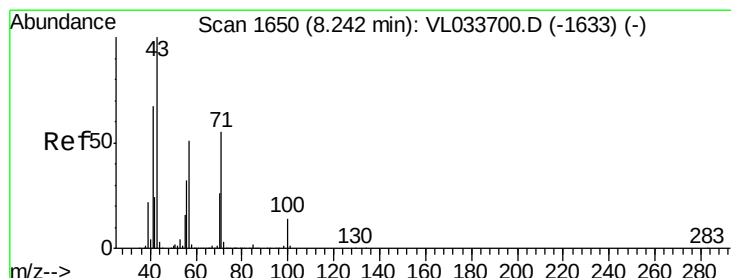
Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



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#10

Heptane

Concen: 10.420 ppbv

RT: 8.24 min Scan# 1648

Delta R.T. -0.01 min

Lab File: VL033741.D

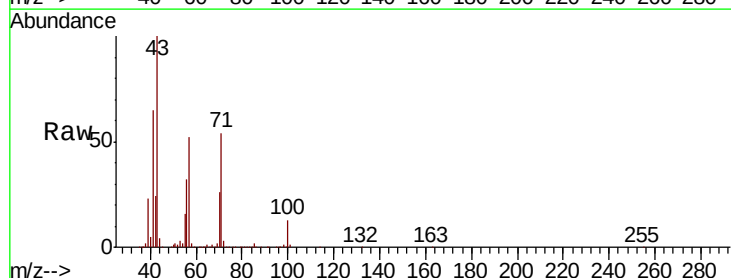
Acq: 22 May 2019 12:10

Tgt Ion: 43 Resp: 1425255

Ion Ratio Lower Upper

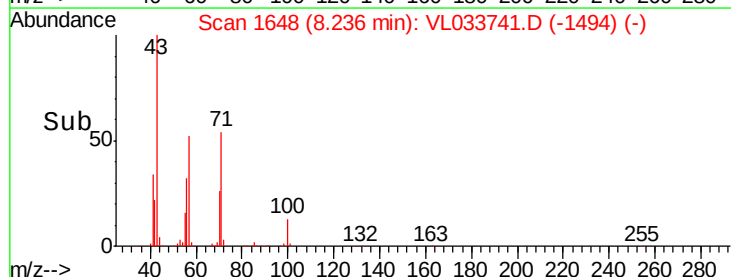
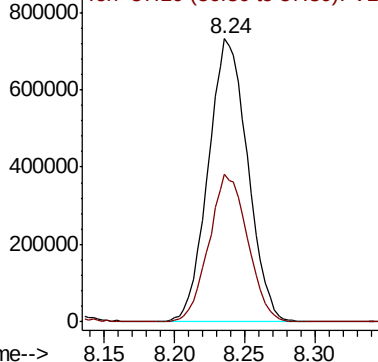
43 100

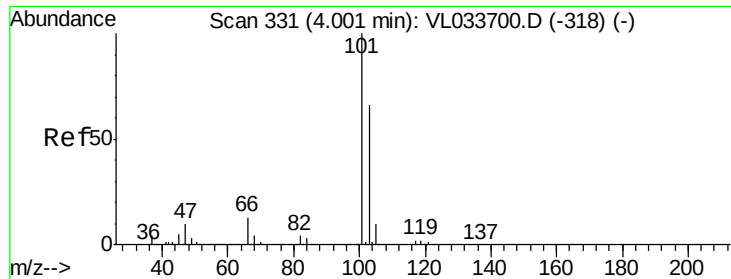
57 51.6 41.4 62.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



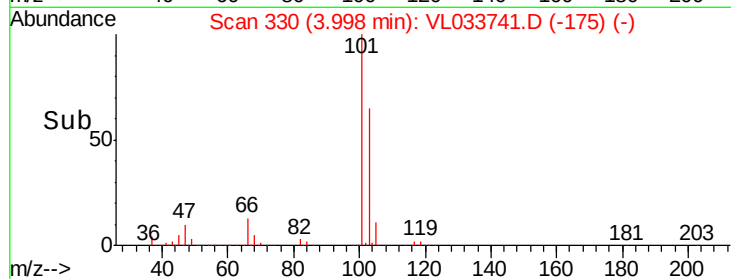
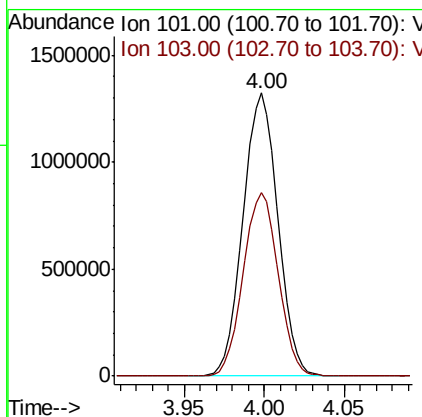
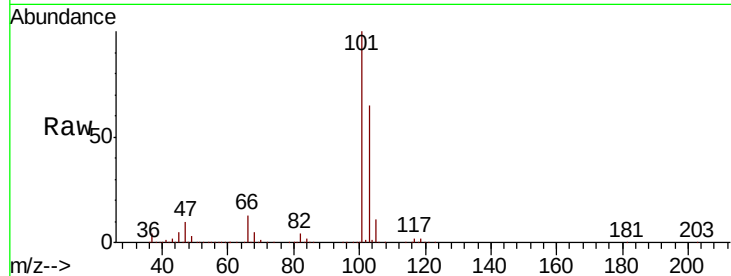


#11
 Trichlorofluoromethane
 Concen: 9.826 ppbv
 RT: 4.00 min Scan# 330
 Delta R.T. -0.00 min
 Lab File: VL033741.D
 Acq: 22 May 2019 12:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0522ABS01

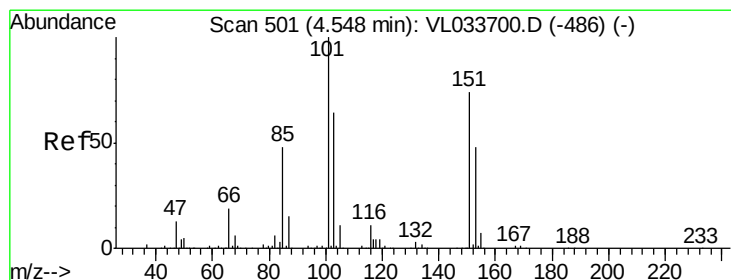
Tot Ion:101 Resp: 1959259
 Ion Ratio Lower Upper
 101 100
 103 65.0 52.6 78.8

Manual Integrations
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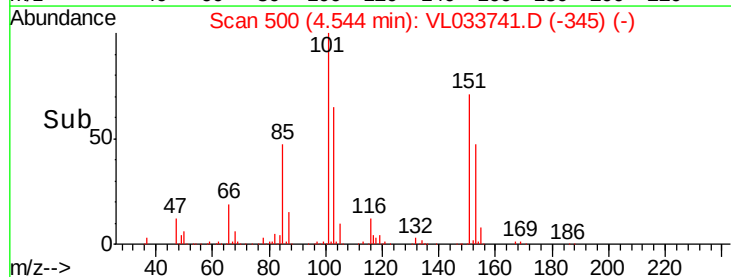
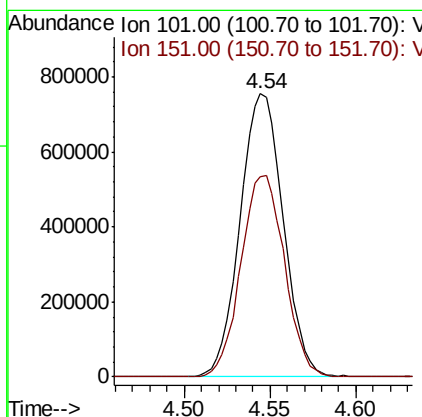
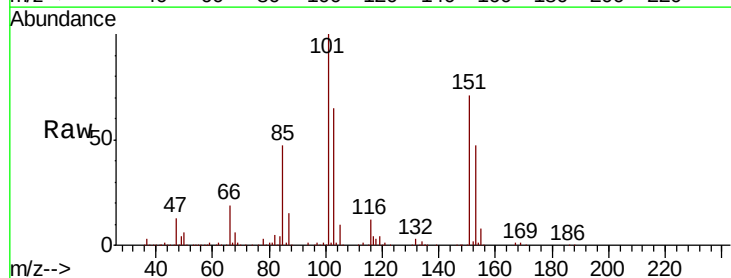
MMDadoda

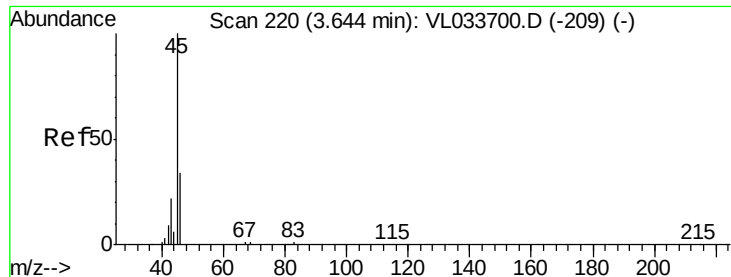
5/28/2019 2:50:41 AM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.420 ppbv
 RT: 4.54 min Scan# 500
 Delta R.T. -0.00 min
 Lab File: VL033741.D
 Acq: 22 May 2019 12:10

Tgt Ion:101 Resp: 1311636
 Ion Ratio Lower Upper
 101 100
 151 72.2 58.2 87.4



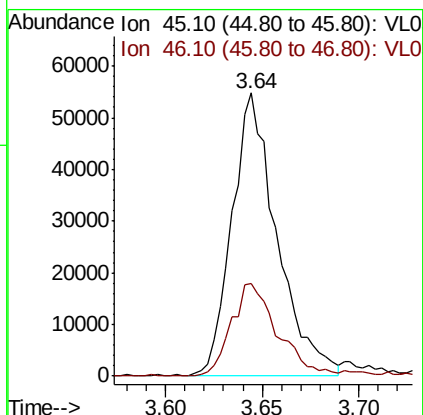
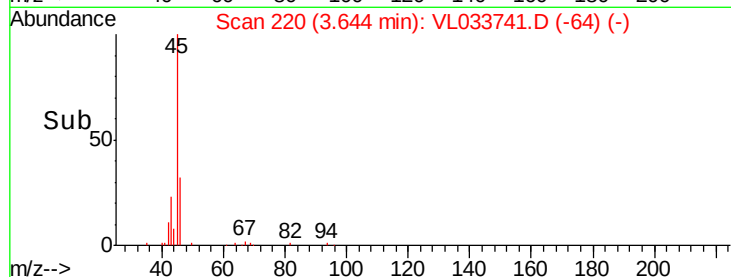
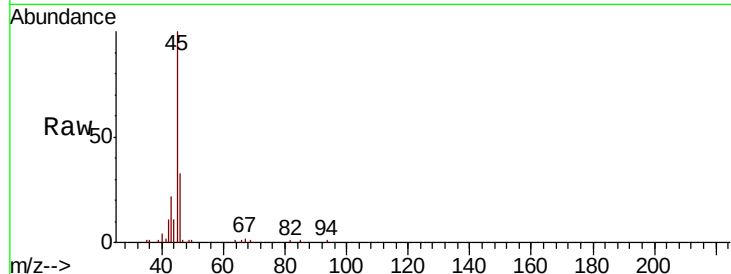


#13
Ethanol
Concen: 5.685 ppbv
RT: 3.64 min Scan# 220
Delta R.T. 0.00 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Instrument :
MSVOA_L
ClientSampleId :
VL0522ABS01

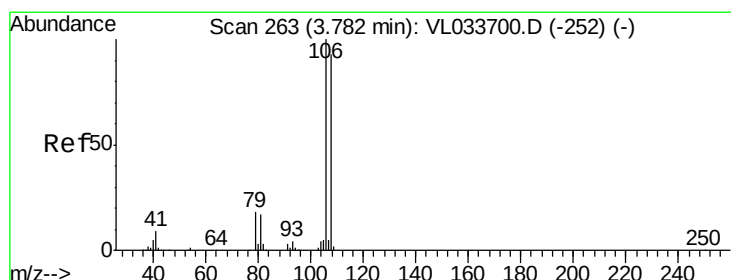
Tot Ion	45	Resp	88750
Ion Ratio	100	Lower	Upper
46	35.2	14.8	59.0

Manual Integrations
APPROVED



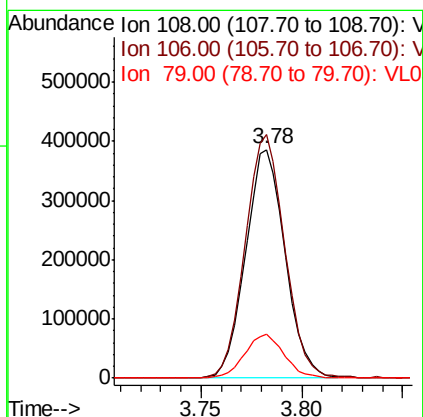
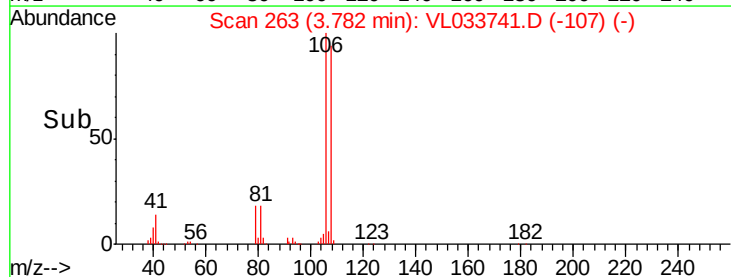
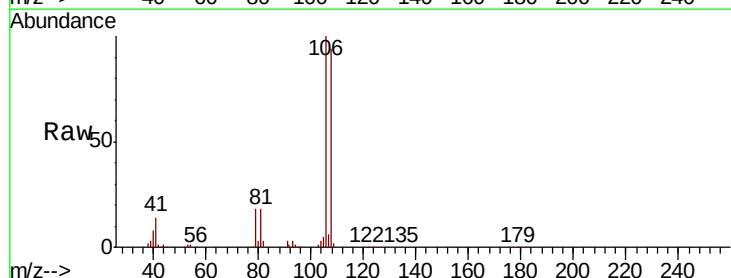
MMDadoda

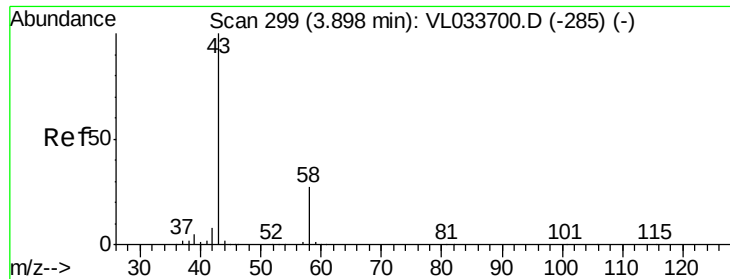
5/28/2019 2:50:41 AM



#14
Bromoethene
Concen: 10.367 ppbv
RT: 3.78 min Scan# 263
Delta R.T. 0.00 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Tgt Ion	108	Resp	530685
Ion Ratio	100	Lower	Upper
106	107.3	86.5	129.7
79	19.7	15.1	22.7



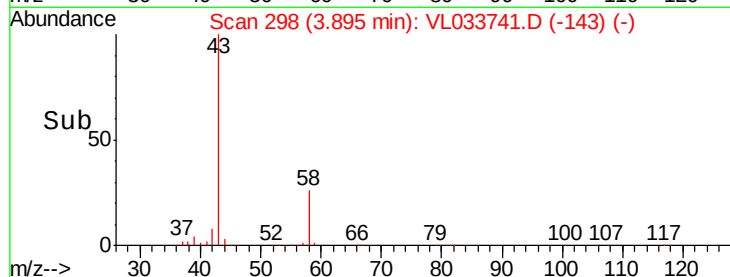
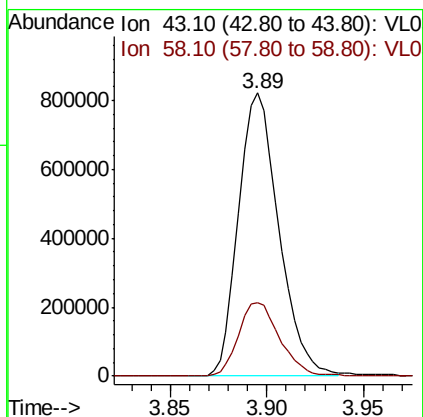
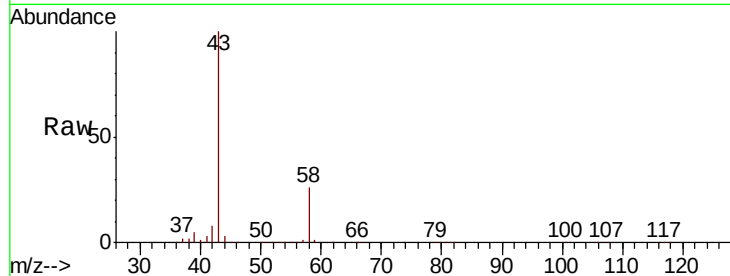


#15
Acetone
Concen: 8.669 ppbv
RT: 3.89 min Scan# 298
Delta R.T. -0.00 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Instrument :
MSVOA_L
ClientSampleId :
VL0522ABS01

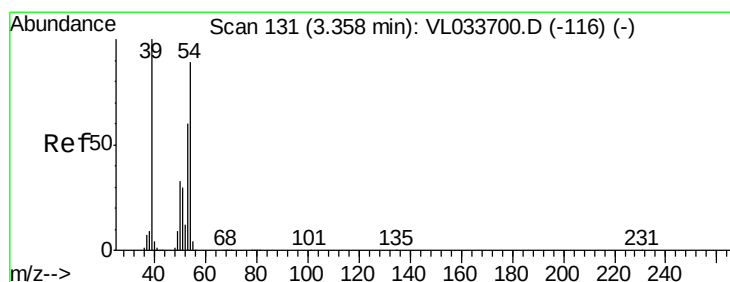
Tot Ion: 43 Resp: 1192429
Ion Ratio Lower Upper
43 100
58 26.8 21.3 31.9

Manual Integrations
APPROVED



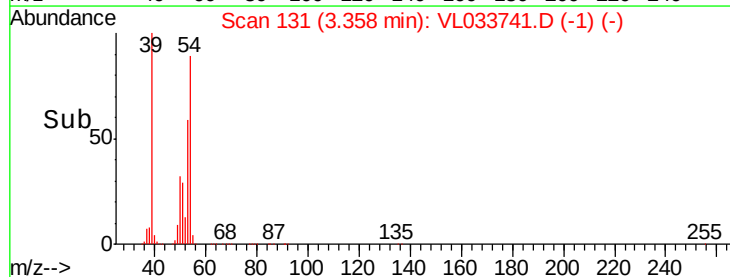
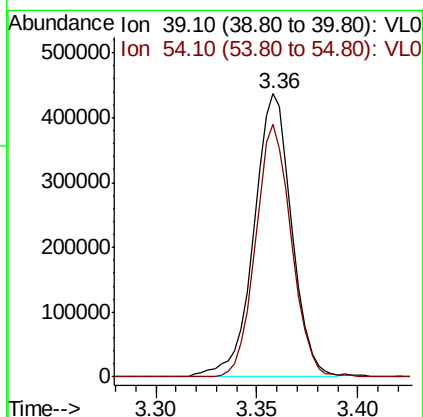
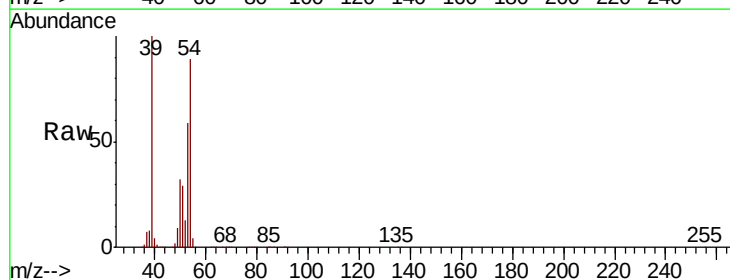
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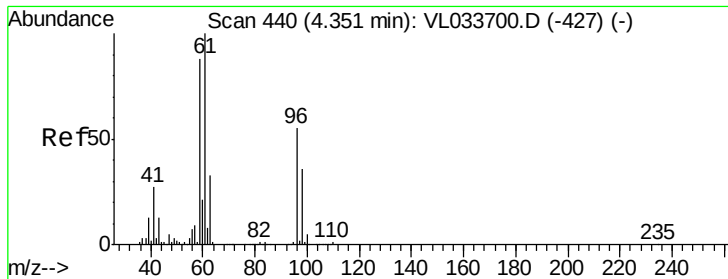
5/28/2019 2:50:41 AM



#16
1,3-Butadiene
Concen: 10.375 ppbv
RT: 3.36 min Scan# 131
Delta R.T. 0.00 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Tgt Ion: 39 Resp: 568303
Ion Ratio Lower Upper
39 100
54 85.3 69.0 103.6





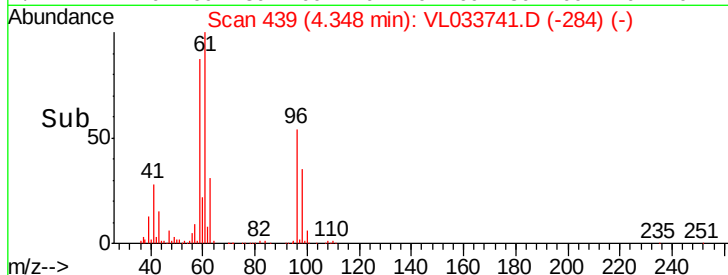
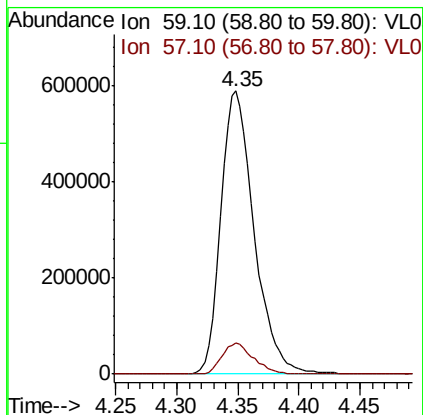
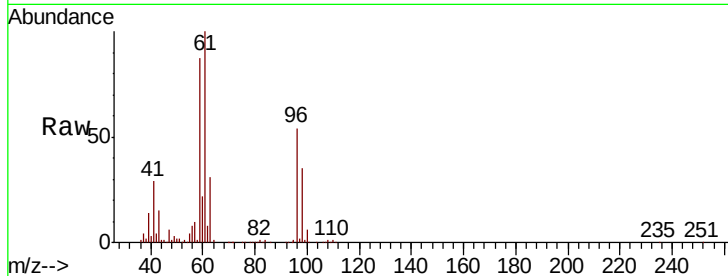
#17

tert-Butyl alcohol
Concen: 10.157 ppbv
RT: 4.35 min Scan# 439
Delta R.T. -0.00 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Instrument :
MSVOA_L
ClientSampleId :
VL0522ABS01

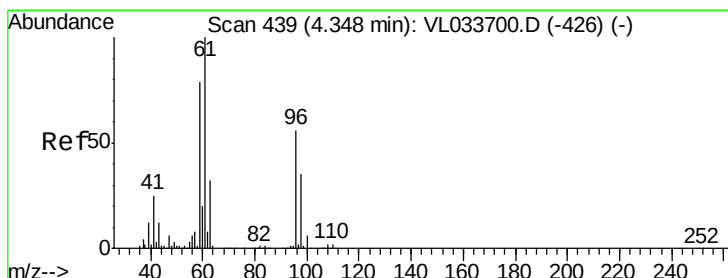
Tot Ion: 59 Resp: 1129702
Ion Ratio Lower Upper
59 100
57 10.6 8.4 12.6

Manual Integrations
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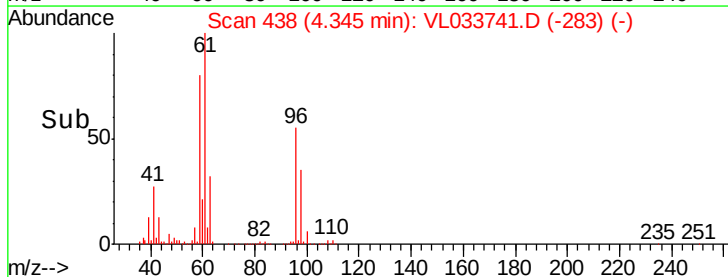
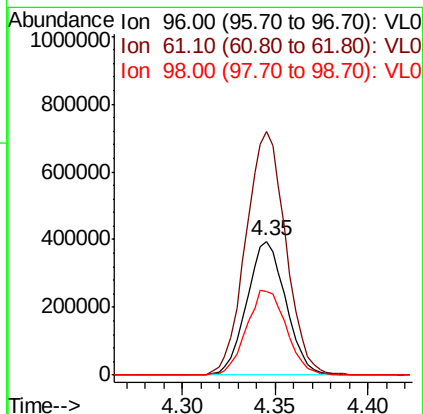
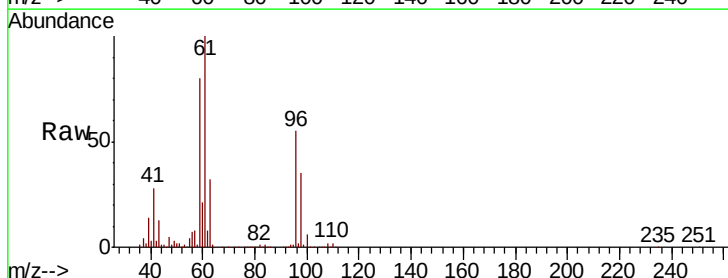
5/28/2019 2:50:41 AM

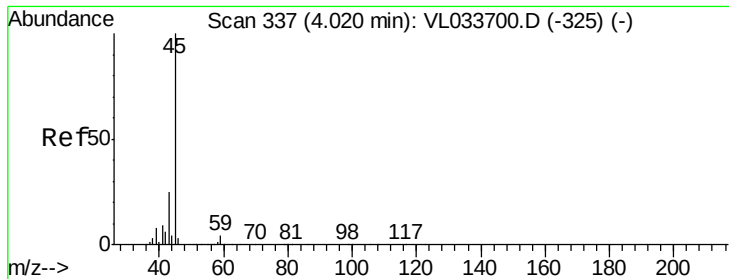


#18

1,1-Dichloroethene
Concen: 9.898 ppbv
RT: 4.35 min Scan# 438
Delta R.T. -0.00 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Tgt Ion: 96 Resp: 581733
Ion Ratio Lower Upper
96 100
61 181.6 143.1 214.7
98 62.8 49.5 74.3





#19

Isopropyl Alcohol

Concen: 9.003 ppbv

RT: 4.02 min Scan# 336

Delta R.T. -0.00 min

Lab File: VL033741.D

Acq: 22 May 2019 12:10

Instrument :

MSVOA_L

ClientSampleId :

VL0522ABS01

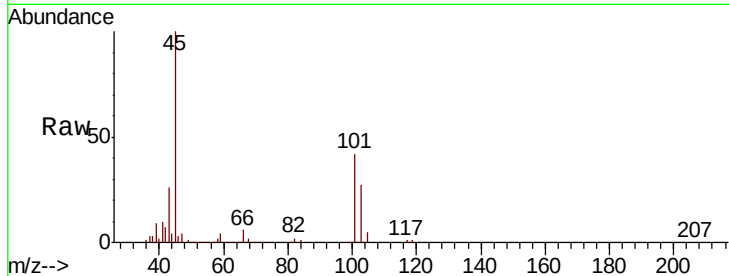
Tot Ion: 45 Resp: 798451

Ion Ratio Lower Upper

45 100

58 2.5 1.6 2.4#

Manual Integrations
APPROVED



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

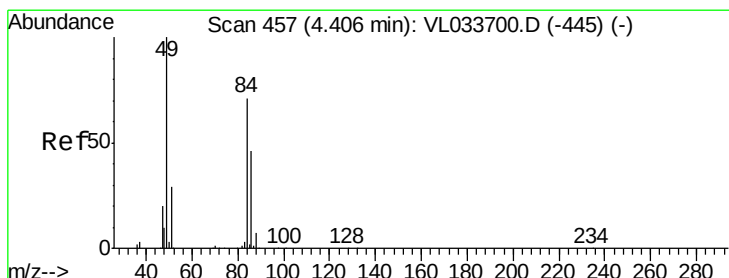
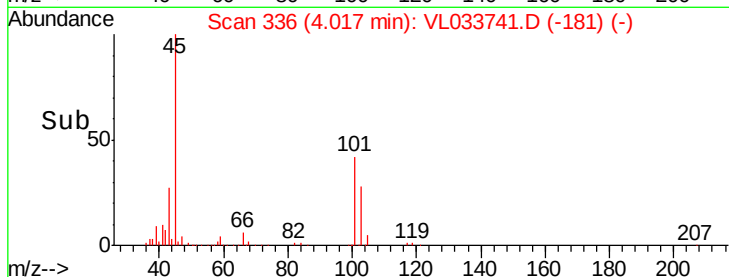
100000

0

Time-->

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#20

Methylene Chloride

Concen: 9.287 ppbv

RT: 4.40 min Scan# 456

Delta R.T. -0.00 min

Lab File: VL033741.D

Acq: 22 May 2019 12:10

Tgt Ion: 84 Resp: 491838

Ion Ratio Lower Upper

84 100

49 140.6 112.8 169.2

51 42.6 33.4 50.0

86 65.2 51.7 77.5

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

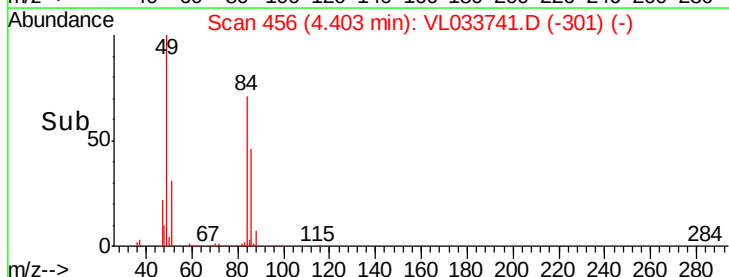
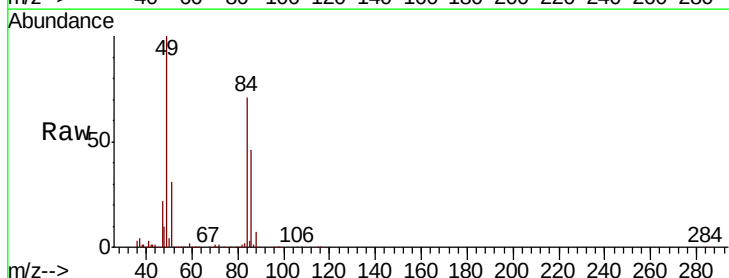
600000

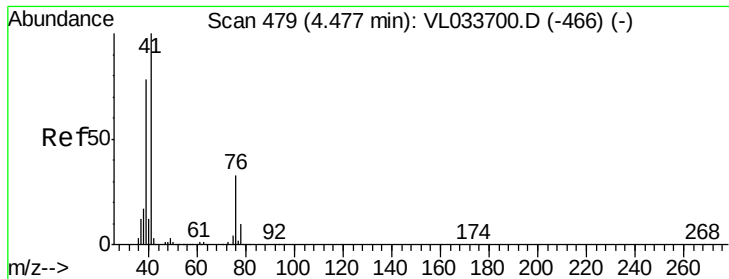
400000

200000

0

Time-->



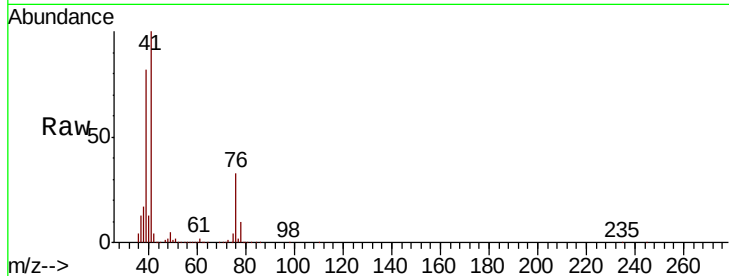


#21
Allvl Chloride
Concen: 9.854 ppbv
RT: 4.47 min Scan# 477
Delta R.T. -0.01 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Instrument :
MSVOA_L
ClientSampleId :
VL0522ABS01

Tot Ion	Ratio	Lower	Upper
41	100		
76	32.2	25.9	38.9
39	81.7	64.6	97.0

Manual Integrations
APPROVED

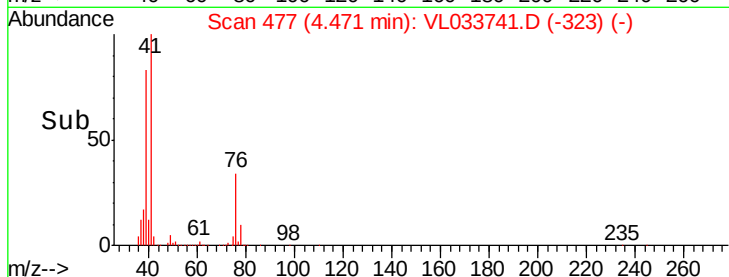
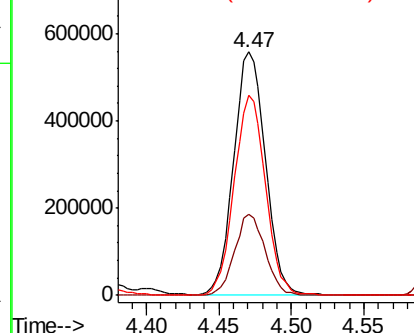


Abundance

Ion 41.10 (40.80 to 41.80): VL0

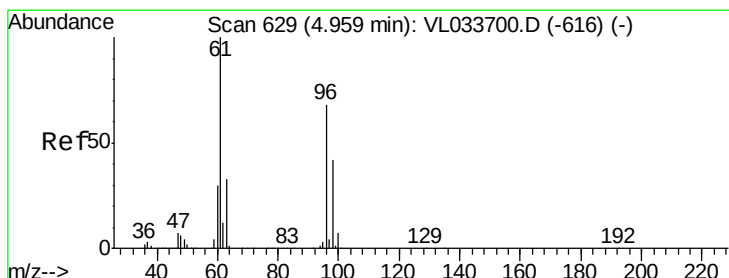
Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0



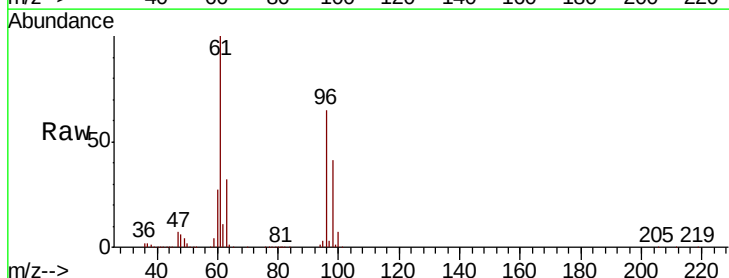
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#22
trans-1,2-Dichloroethene
Concen: 9.862 ppbv
RT: 4.96 min Scan# 628
Delta R.T. -0.00 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.4	116.8	175.2
98	63.7	49.4	74.0

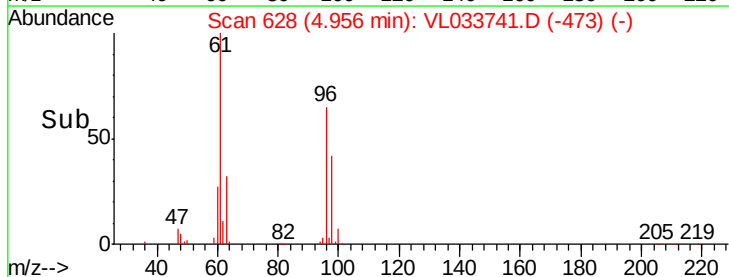
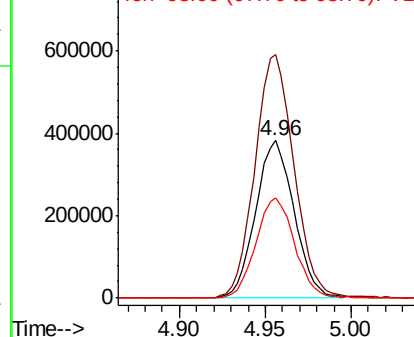


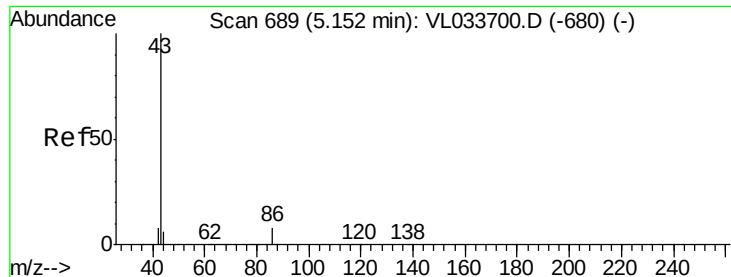
Abundance

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





#23

Vinyl Acetate

Concen: 10.059 ppbv

RT: 5.15 min Scan# 688

Delta R.T. -0.00 min

Lab File: VL033741.D

Acq: 22 May 2019 12:10

Instrument :

MSVOA_L

ClientSampleId :

VL0522ABS01

Tot Ion: 43 Resp: 1824267

Ion Ratio Lower Upper

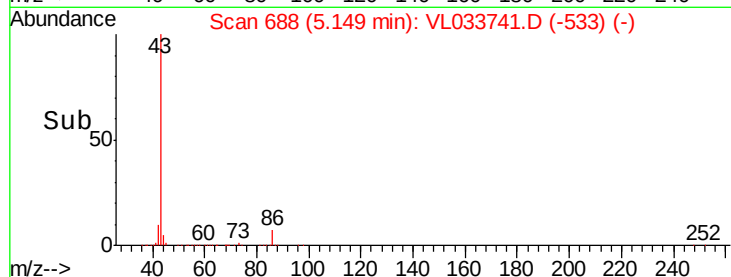
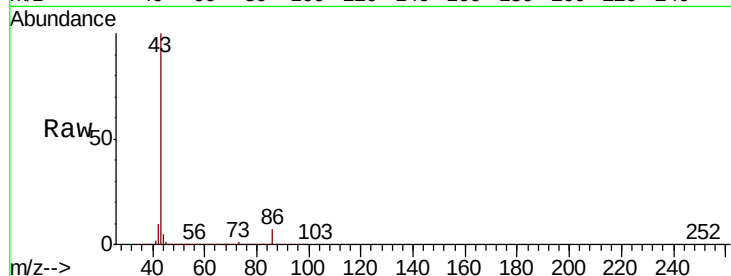
43 100

86 7.1 6.0 9.0

42 9.7 7.5 11.3

44 5.2 4.4 6.6

Manual Integrations
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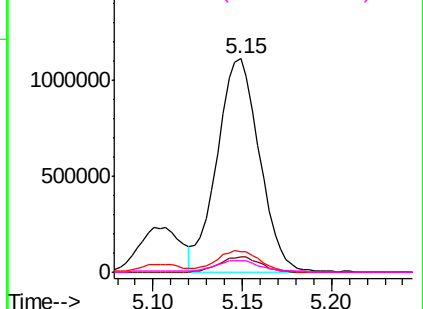


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

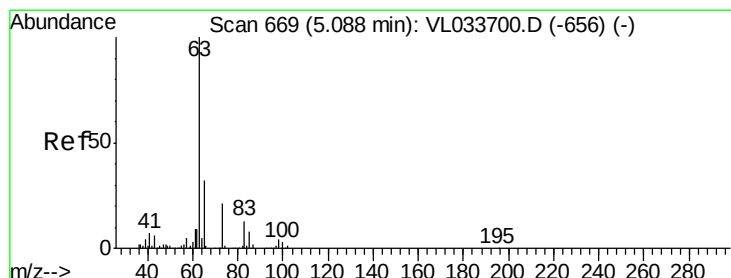
Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



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#24

1,1-Dichloroethane

Concen: 9.442 ppbv

RT: 5.08 min Scan# 668

Delta R.T. -0.00 min

Lab File: VL033741.D

Acq: 22 May 2019 12:10

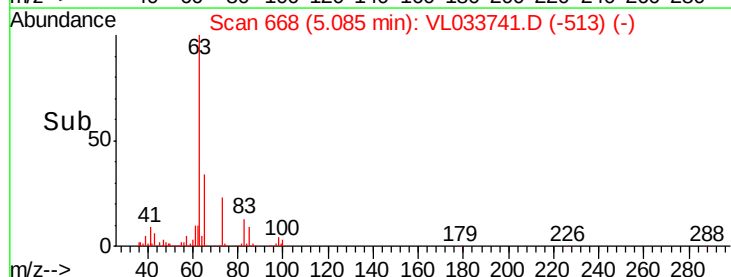
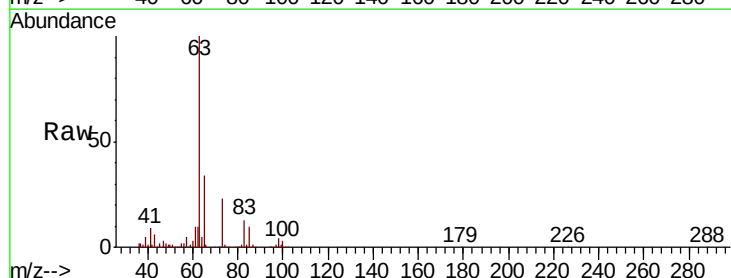
Tgt Ion: 63 Resp: 1301642

Ion Ratio Lower Upper

63 100

98 4.1 1.8 5.5

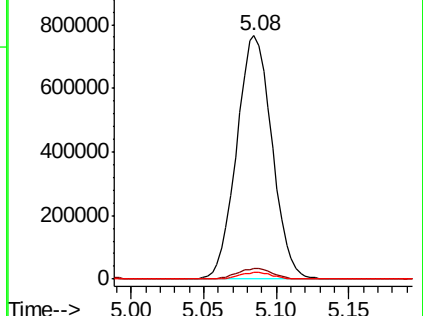
100 2.9 1.4 4.2

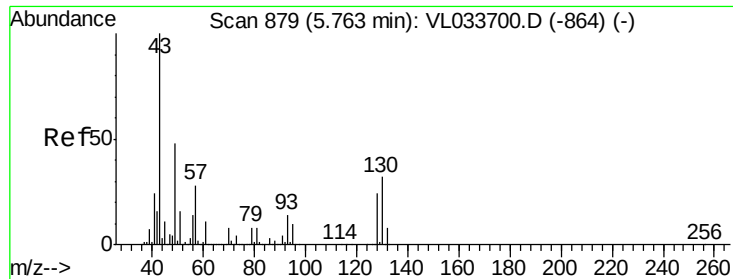


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



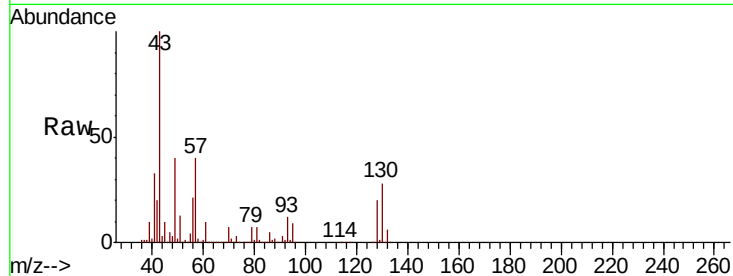


#25
Ethyl Acetate
Concen: 9.334 ppbv
RT: 5.76 min Scan# 879
Delta R.T. 0.00 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Instrument :
MSVOA_L
ClientSampleId :
VL0522ABS01

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	10.0	7.9	11.9	
61	9.7	7.7	11.5	
70	7.2	5.8	8.6	

Manual Integrations
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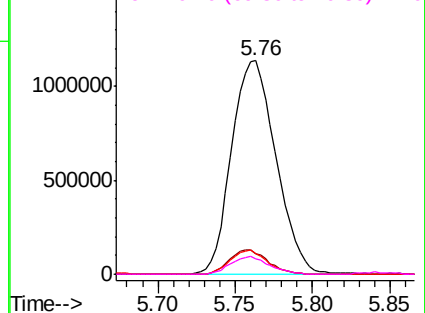
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

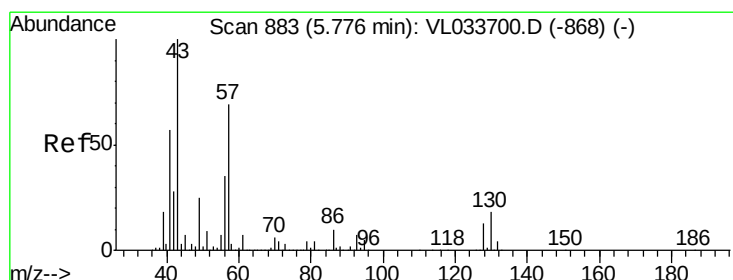
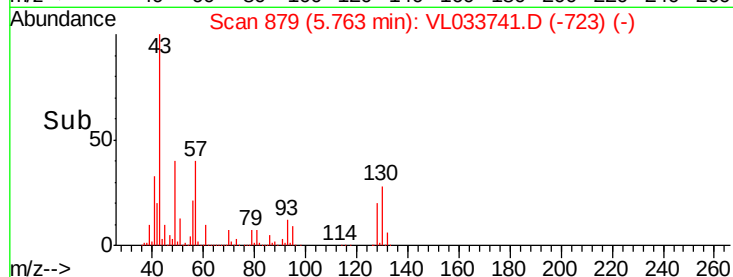
Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



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#26
Hexane
Concen: 9.423 ppbv
RT: 5.77 min Scan# 882
Delta R.T. -0.00 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	89.1	69.8	104.6	
43	232.0	181.8	272.6	
56	53.8	42.1	63.1	

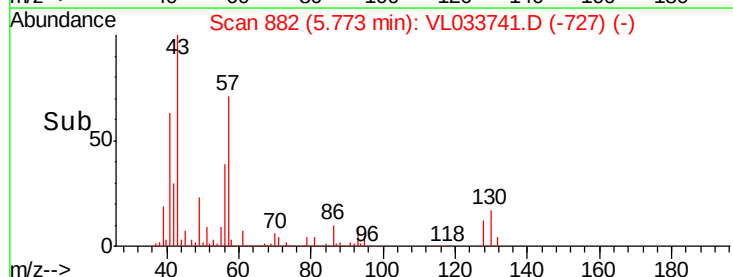
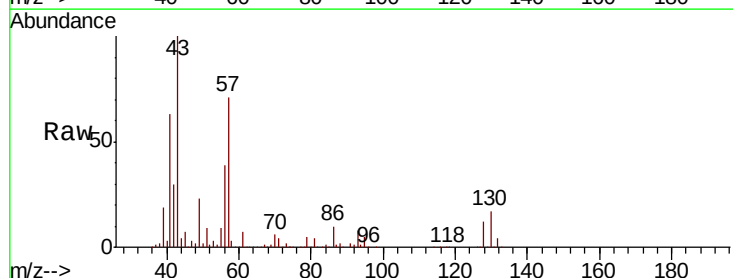
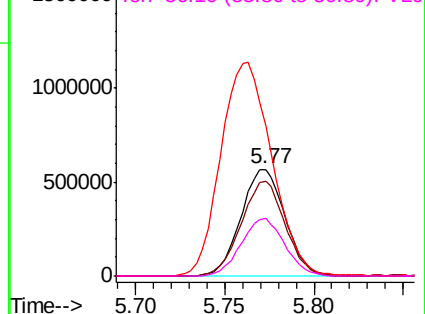
Abundance

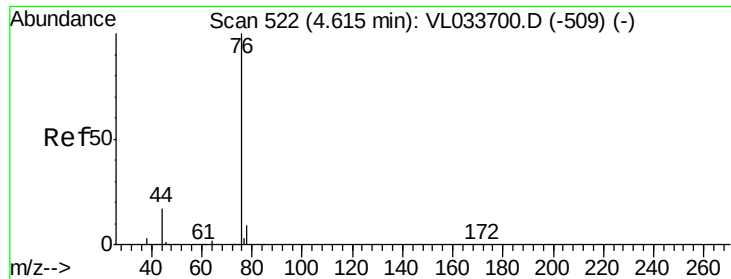
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 10.298 ppbv

RT: 4.61 min Scan# 521

Delta R.T. -0.00 min

Lab File: VL033741.D

Acq: 22 May 2019 12:10

Instrument :

MSVOA_L

ClientSampleId :

VL0522ABS01

Tot Ion: 76 Resp: 1467548

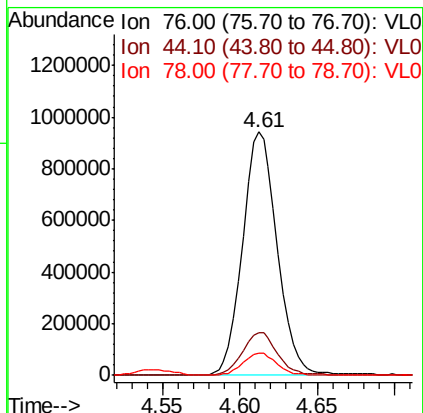
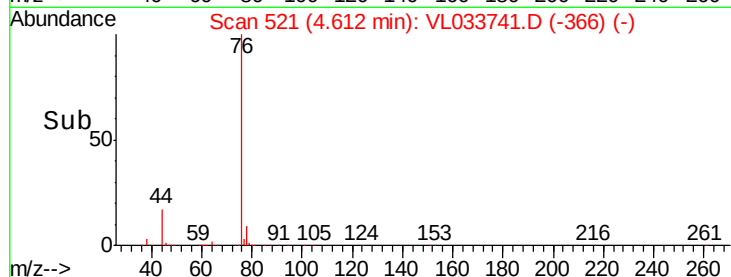
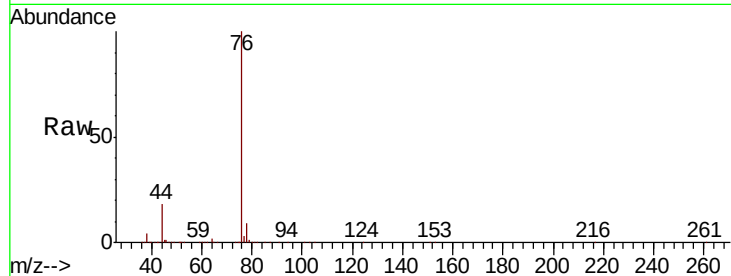
Ion Ratio Lower Upper

76 100

44 17.7 13.8 20.8

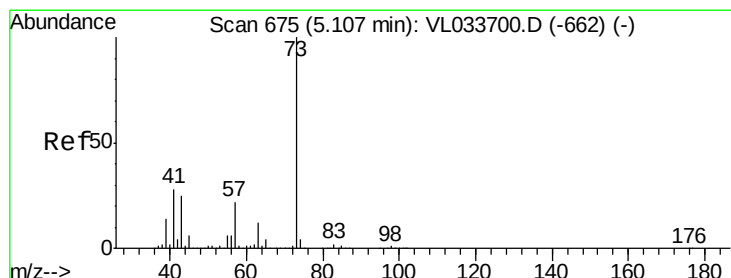
78 8.8 7.4 11.0

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#28

Methyl tert-Butyl Ether

Concen: 9.791 ppbv

RT: 5.10 min Scan# 674

Delta R.T. -0.00 min

Lab File: VL033741.D

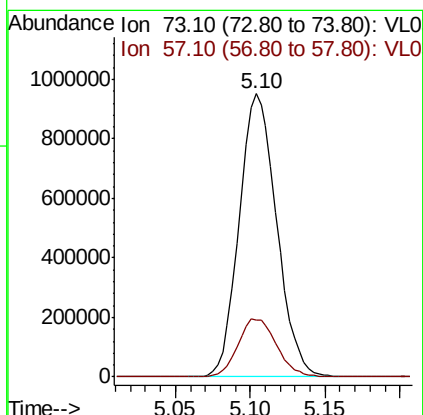
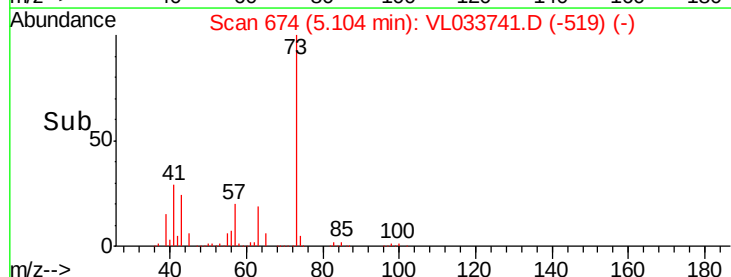
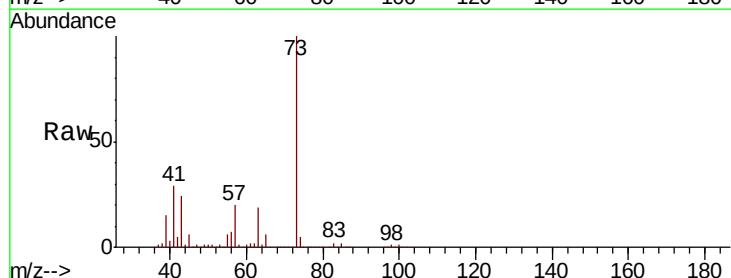
Acq: 22 May 2019 12:10

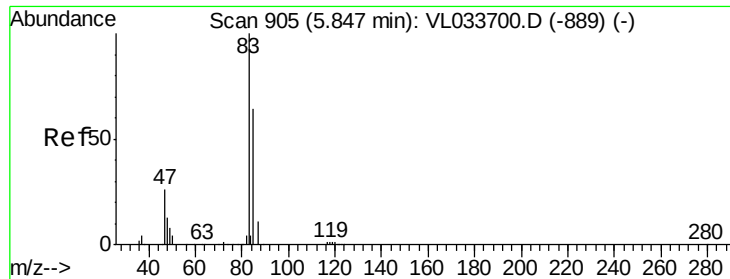
Tgt Ion: 73 Resp: 1657970

Ion Ratio Lower Upper

73 100

57 21.5 17.4 26.2



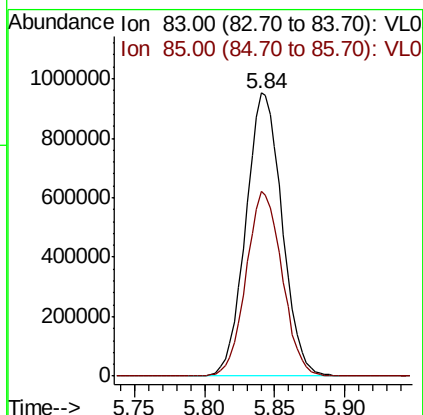
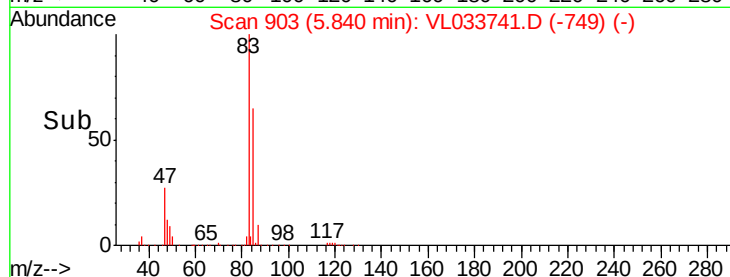
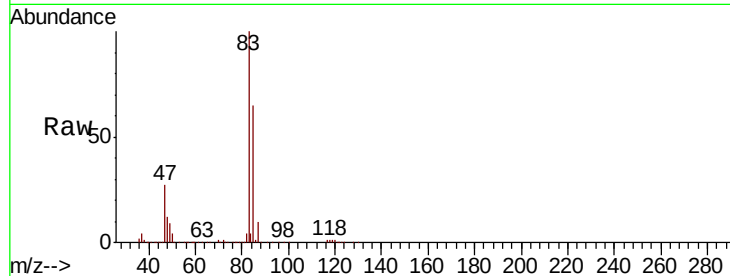


#29
Chloroform
Concen: 8.950 ppbv
RT: 5.84 min Scan# 903
Delta R.T. -0.01 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Instrument :
MSVOA_L
ClientSampleId :
VL0522ABS01

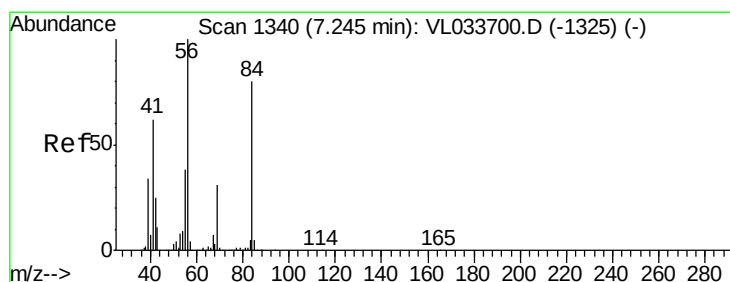
Tot Ion: 83 Resp: 1712522
Ion Ratio Lower Upper
83 100
85 65.1 51.5 77.3

Manual Integrations
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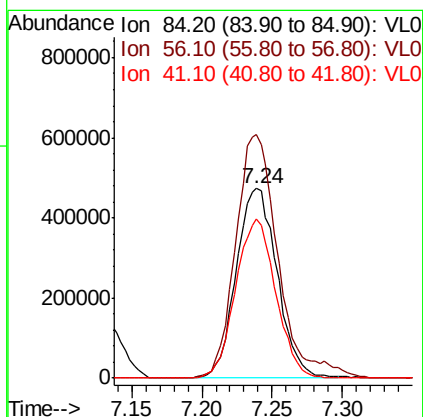
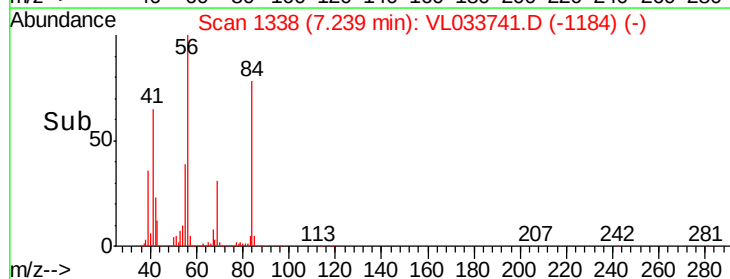
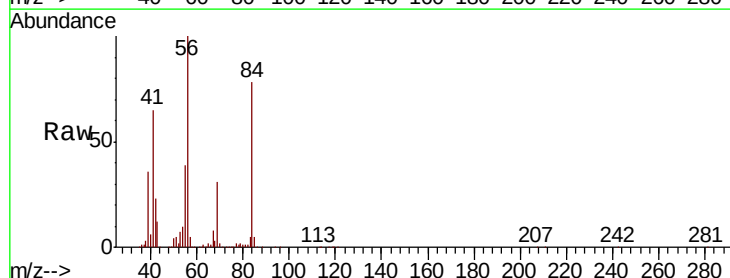
MMDadoda

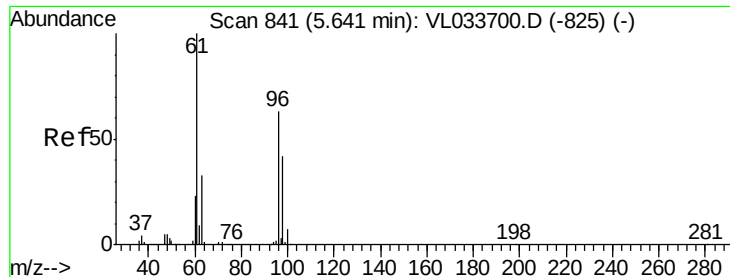
5/28/2019 2:50:41 AM



#30
Cyclohexane
Concen: 11.028 ppbv
RT: 7.24 min Scan# 1338
Delta R.T. -0.01 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Tgt Ion: 84 Resp: 963036
Ion Ratio Lower Upper
84 100
56 133.6 107.7 161.5
41 82.4 66.0 99.0





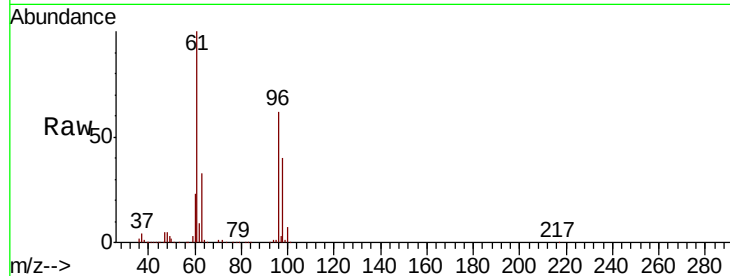
#31

cis-1,2-Dichloroethene
Concen: 9.877 ppbv
RT: 5.63 min Scan# 839
Delta R.T. -0.01 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Instrument :
MSVOA_L
ClientSampleId :
VL0522ABS01

Tot Ion	Ratio	Lower	Upper
61	100		
96	62.3	50.8	76.2
98	40.1	33.3	49.9

Manual Integrations
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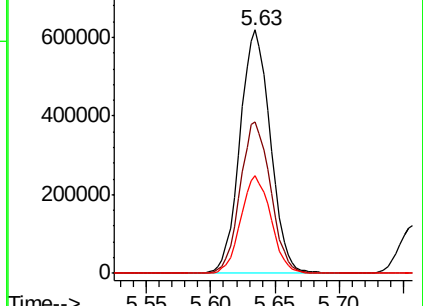
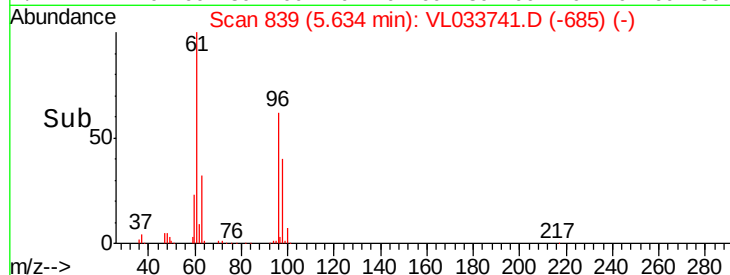
Abundance

Ion 61.10 (60.80 to 61.80): VL0

Ion 96.00 (95.70 to 96.70): VL0

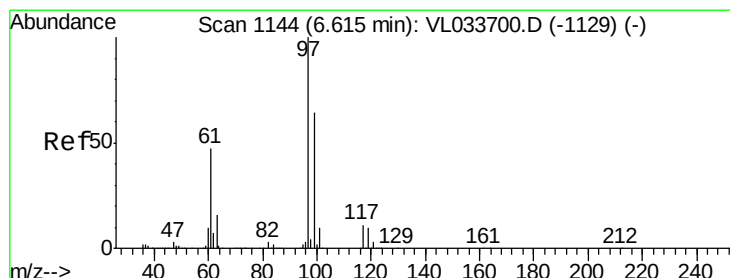
Ion 98.00 (97.70 to 98.70): VL0

5.63



MMDadoda

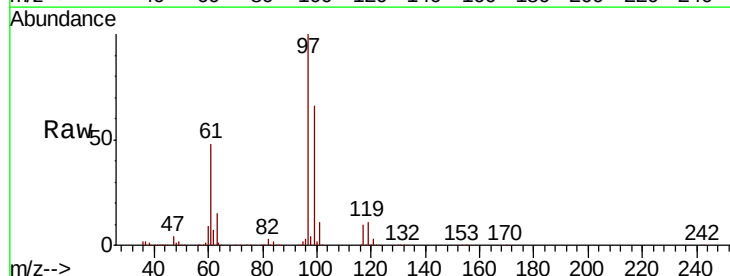
5/28/2019 2:50:41 AM



#32

1,1,1-Trichloroethane
Concen: 10.632 ppbv
RT: 6.61 min Scan# 1143
Delta R.T. -0.00 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.5	77.3
61	47.8	37.8	56.8



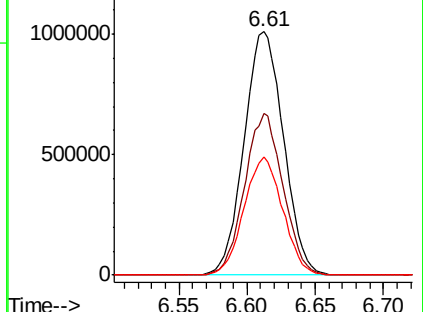
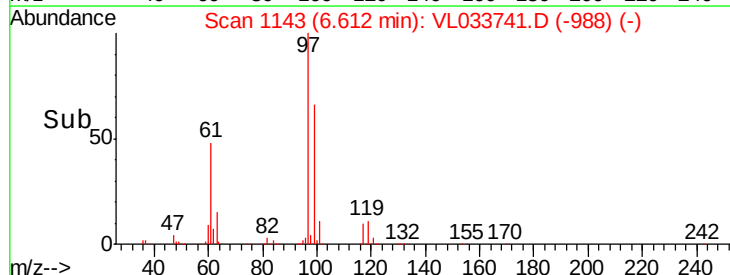
Abundance

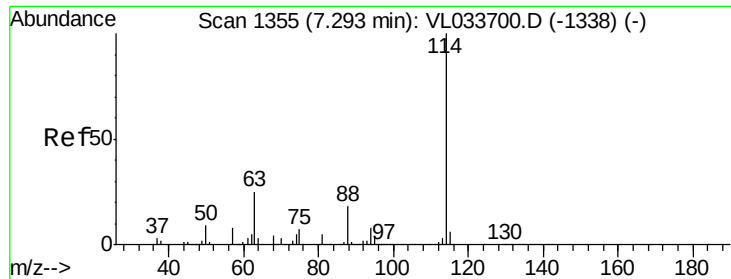
Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

6.61



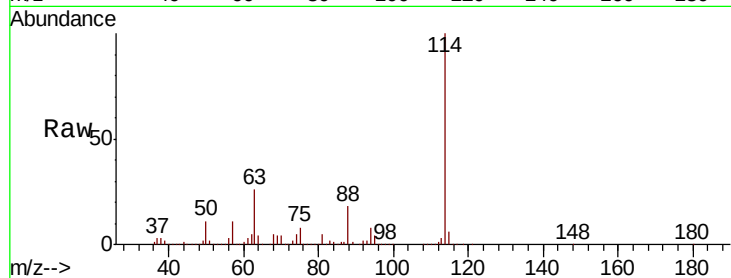


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1353
 Delta R.T. -0.01 min
 Lab File: VL033741.D
 Acq: 22 May 2019 12:10

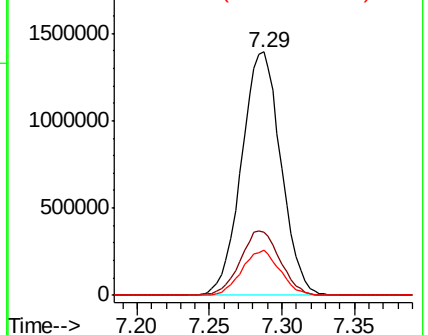
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0522ABS01

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.1	20.9	31.3
88	18.0	14.3	21.5

Manual Integrations
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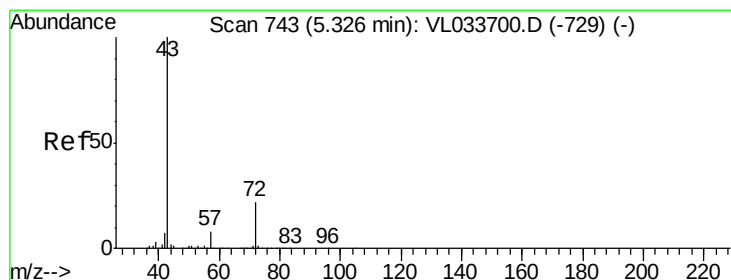
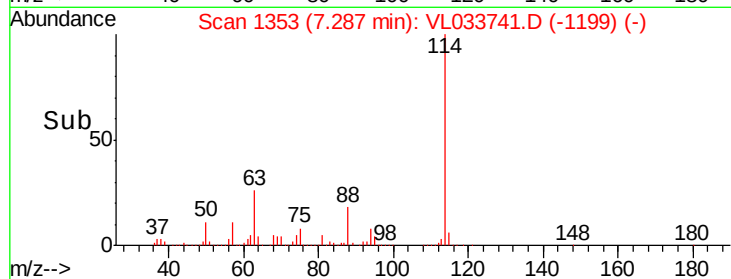


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0



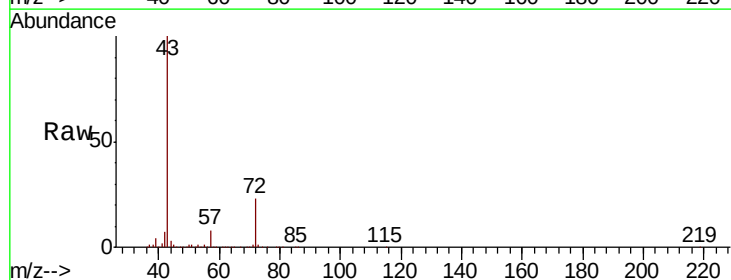
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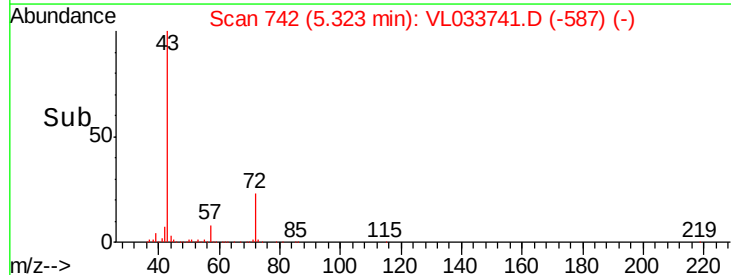
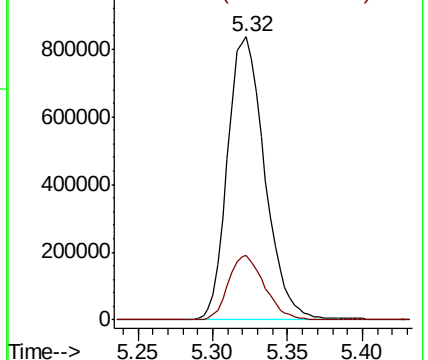


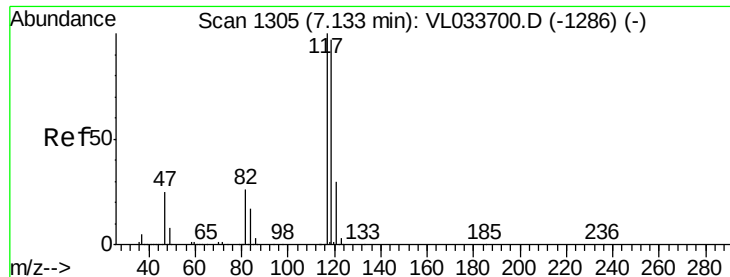
#34
 2-Butanone
 Concen: 8.871 ppbv
 RT: 5.32 min Scan# 742
 Delta R.T. -0.00 min
 Lab File: VL033741.D
 Acq: 22 May 2019 12:10

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.1	17.8	26.6



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



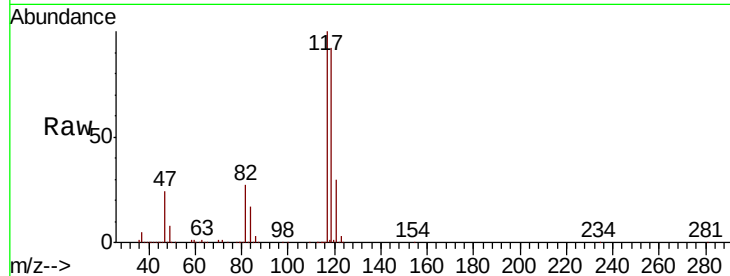


#35
Carbon Tetrachloride
Concen: 10.322 ppbv
RT: 7.12 min Scan# 1302
Delta R.T. -0.01 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Instrument :
MSVOA_L
ClientSampleId :
VL0522ABS01

Tot Ion	Ratio	Lower	Upper
117	100		
119	92.2	77.2	115.8
121	30.0	24.1	36.1

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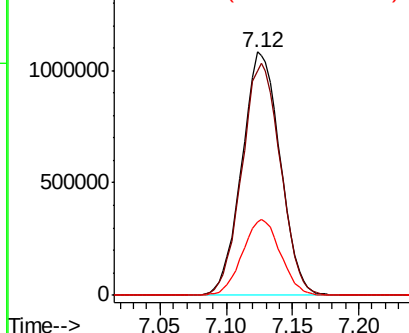


Abundance

Ion 117.00 (116.70 to 117.70): V

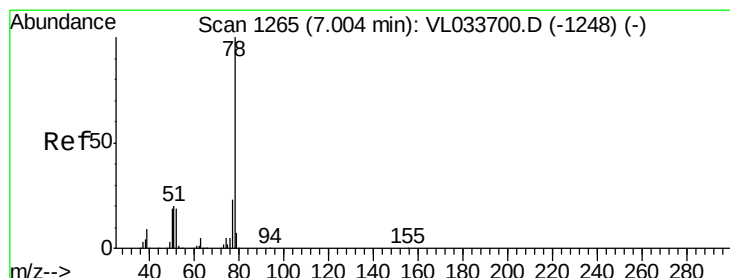
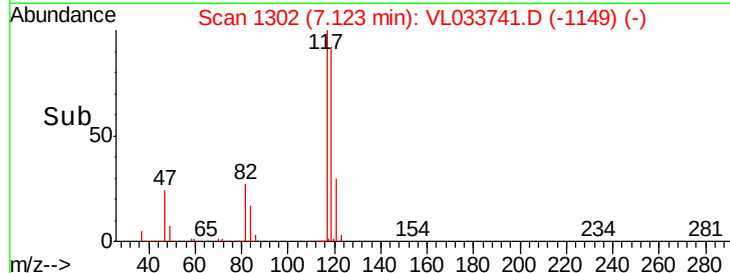
Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



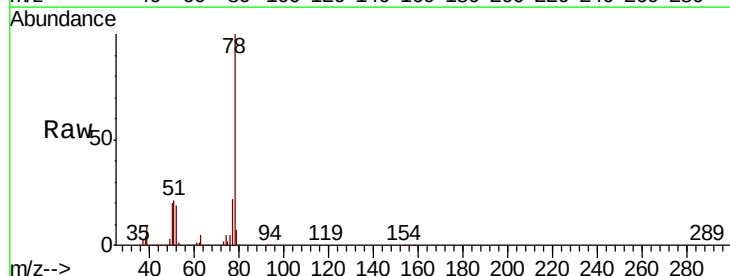
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#36
Benzene
Concen: 9.720 ppbv
RT: 7.00 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.3	18.4	27.6
50	19.6	15.5	23.3

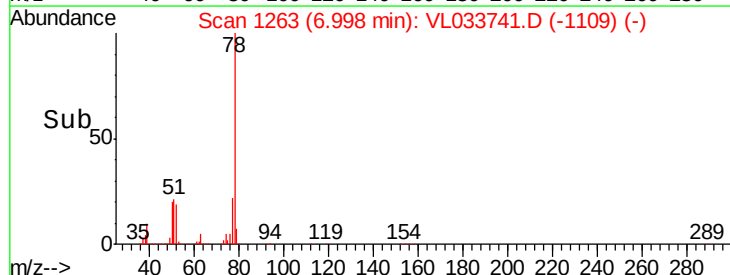
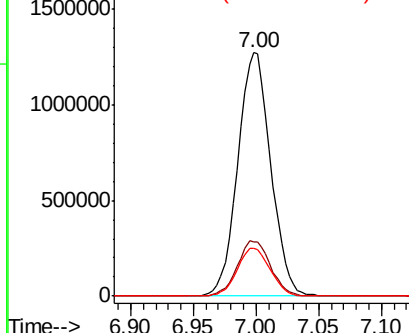


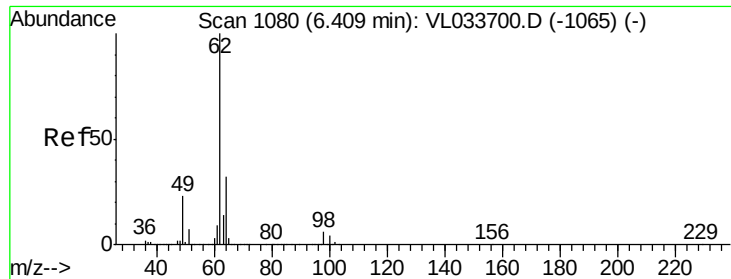
Abundance

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



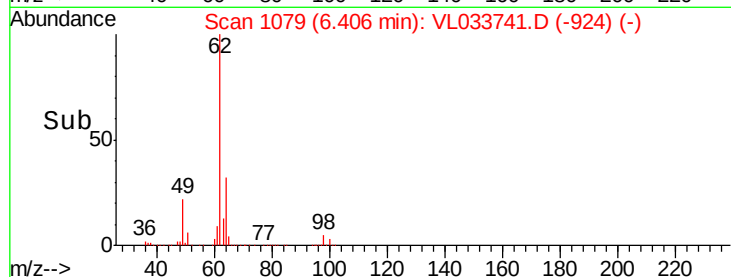
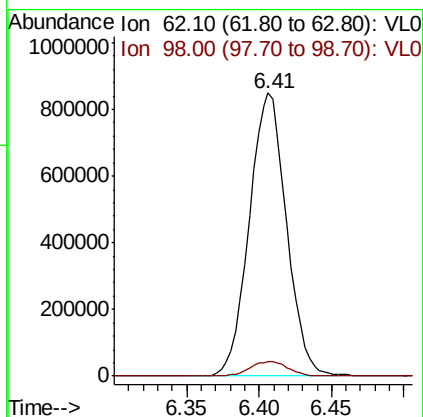
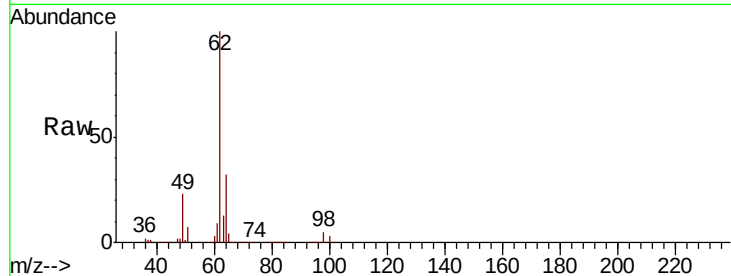


#37
 1,2-Dichloroethane
 Concen: 9.799 ppbv
 RT: 6.41 min Scan# 1079
 Delta R.T. -0.00 min
 Lab File: VL033741.D
 Acq: 22 May 2019 12:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0522ABS01

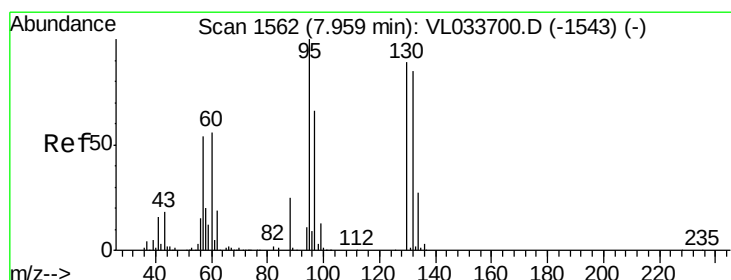
Tot Ion	Ratio	Lower	Upper
62	100		
98	5.4	4.5	6.7

Manual Integrations
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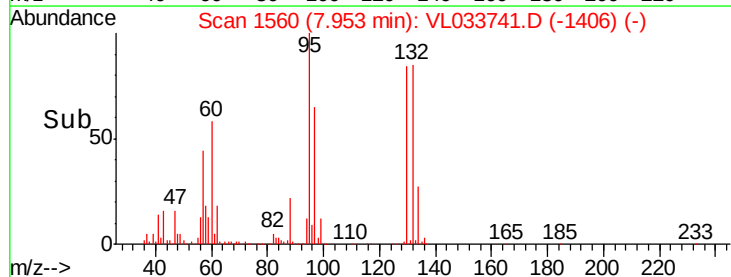
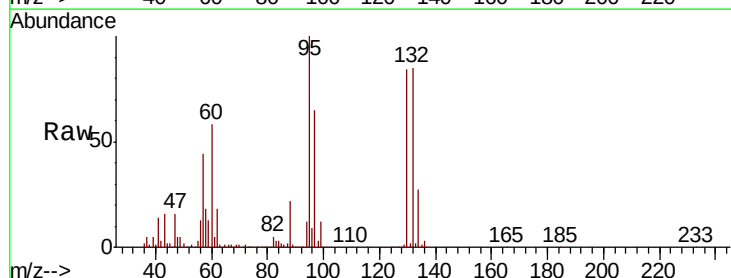
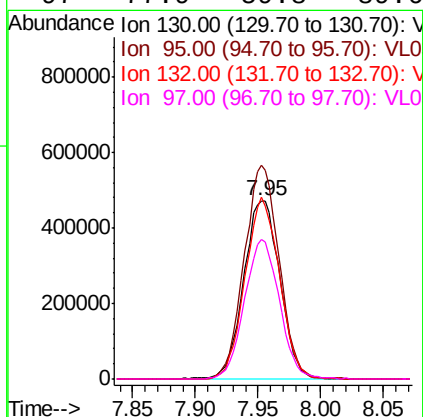
MMDadoda

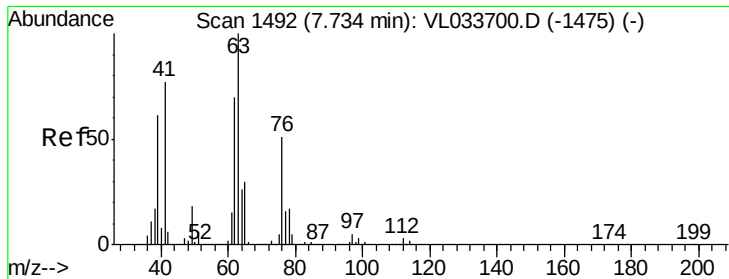
5/28/2019 2:50:41 AM



#38
 Trichloroethene
 Concen: 10.690 ppbv
 RT: 7.95 min Scan# 1560
 Delta R.T. -0.01 min
 Lab File: VL033741.D
 Acq: 22 May 2019 12:10

Tgt Ion	Ratio	Lower	Upper
130	100		
95	119.6	90.2	135.4
132	101.9	76.4	114.6
97	77.9	59.8	89.6



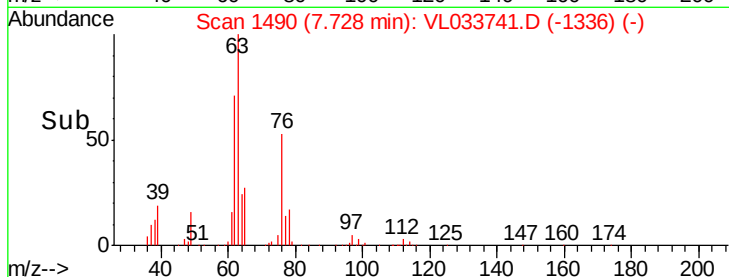
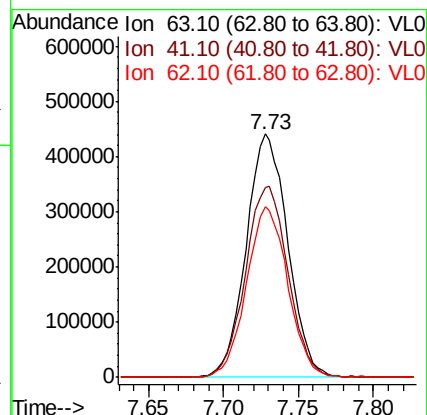
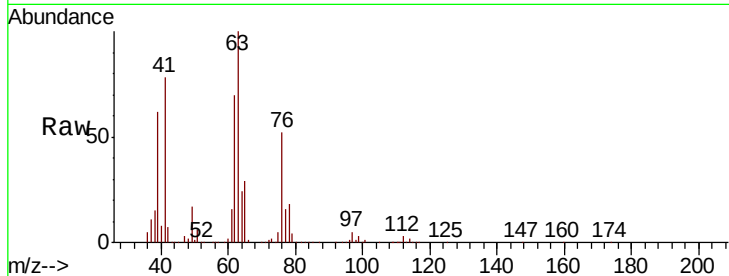


#39
 1,2-Dichloropropane
 Concen: 9.556 ppbv
 RT: 7.73 min Scan# 1490
 Delta R.T. -0.01 min
 Lab File: VL033741.D
 Acq: 22 May 2019 12:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0522ABS01

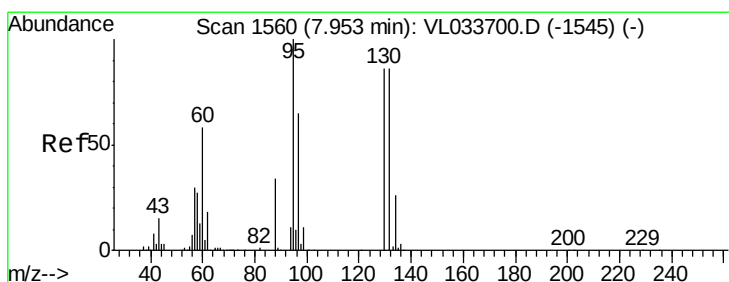
Tot Ion	Ratio	Lower	Upper
63	100		
41	77.8	61.5	92.3
62	70.1	56.2	84.4

Manual Integrations
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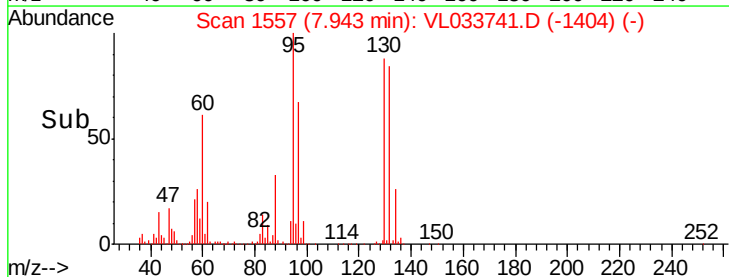
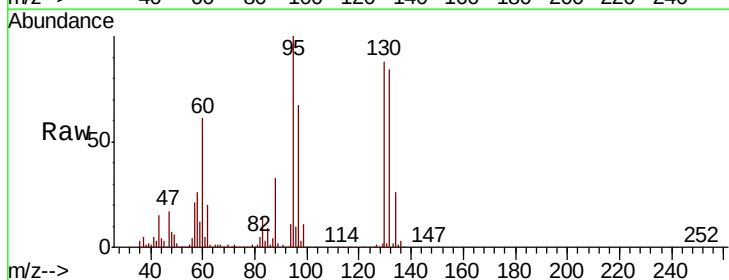
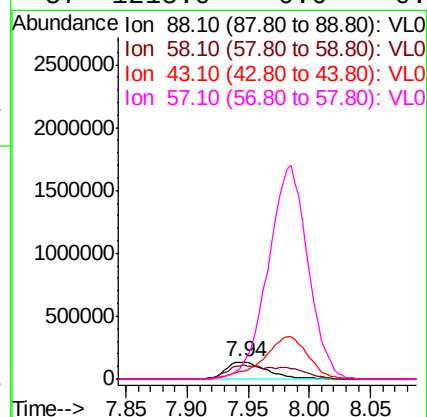
MMDadoda

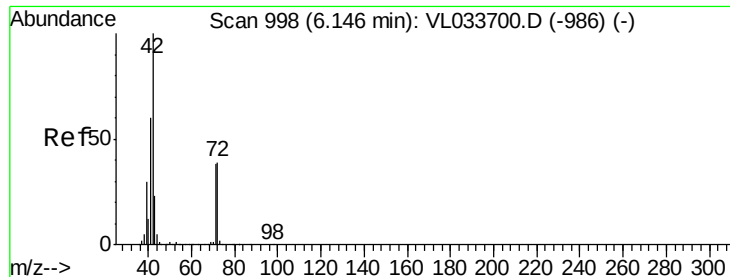
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#40
 1,4-Dioxane
 Concen: 8.511 ppbv
 RT: 7.94 min Scan# 1557
 Delta R.T. -0.01 min
 Lab File: VL033741.D
 Acq: 22 May 2019 12:10

Tgt Ion	Ratio	Lower	Upper
88	100		
58	131.2	101.8	152.6
43	272.4	0.0	0.0#
57	1215.9	0.0	0.0#





#41

Tetrahydrofuran

Concen: 8.754 ppbv

RT: 6.14 min Scan# 996

Delta R.T. -0.01 min

Lab File: VL033741.D

Acq: 22 May 2019 12:10

Instrument :

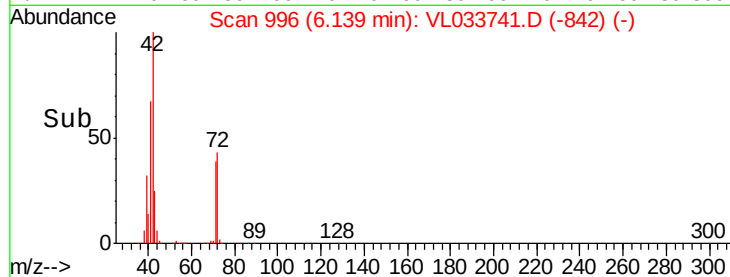
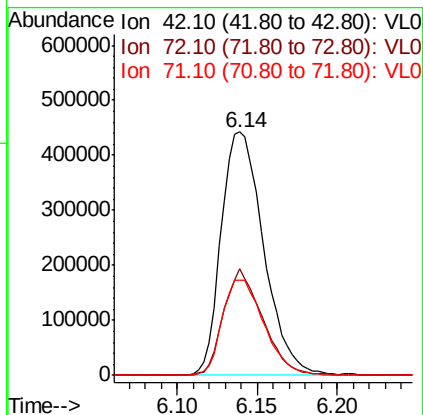
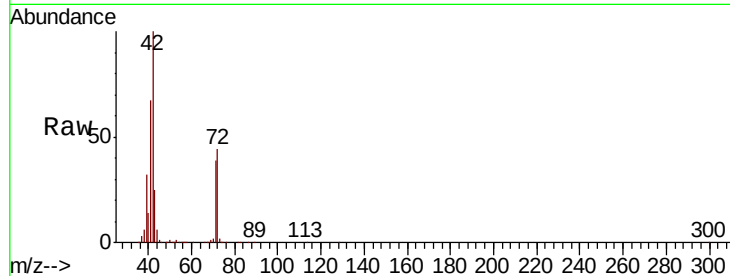
MSVOA_L

ClientSampleId :

VL0522ABS01

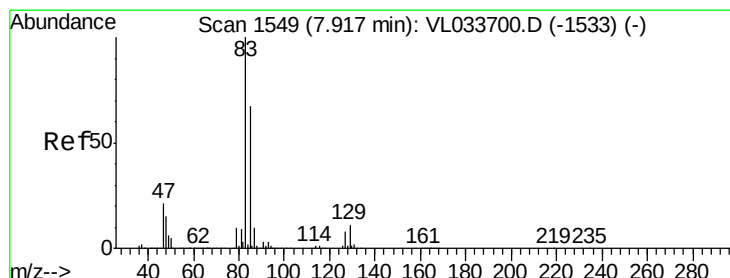
Tot Ion:	42	Resp:	800517
Ion Ratio		Lower	Upper
42	100		
72	40.4	32.0	48.0
71	39.1	30.4	45.6

Manual Integrations
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#42

Bromodichloromethane

Concen: 9.964 ppbv

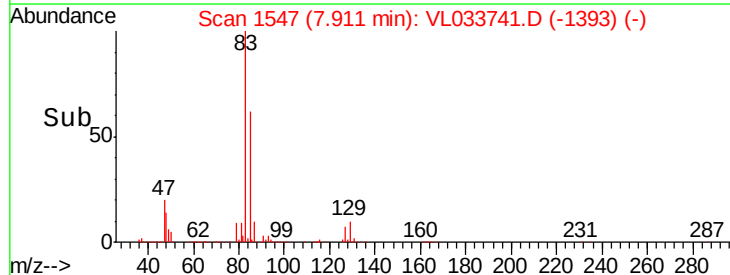
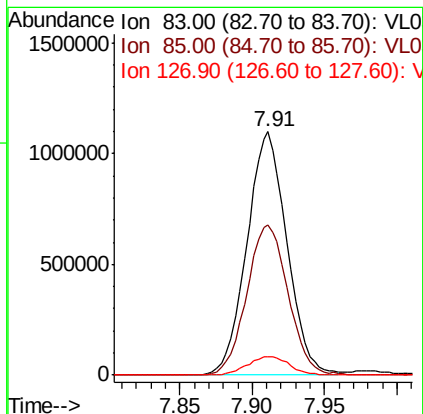
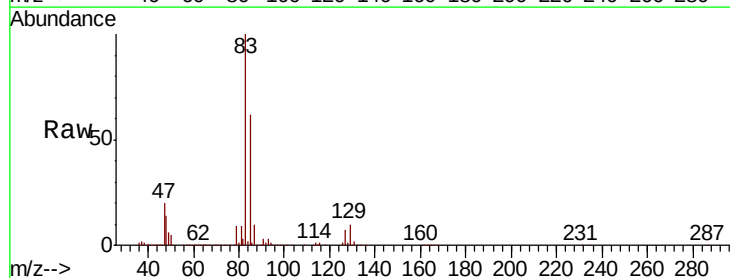
RT: 7.91 min Scan# 1547

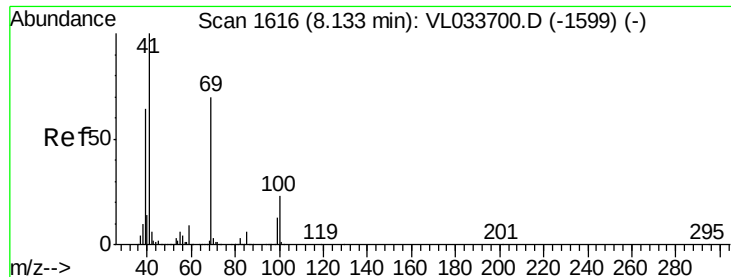
Delta R.T. -0.01 min

Lab File: VL033741.D

Acq: 22 May 2019 12:10

Tgt Ion:	83	Resp:	2107570
Ion Ratio		Lower	Upper
83	100		
85	61.8	53.3	79.9
127	7.3	6.5	9.7



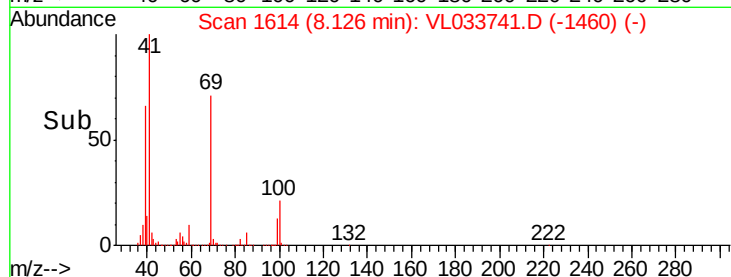
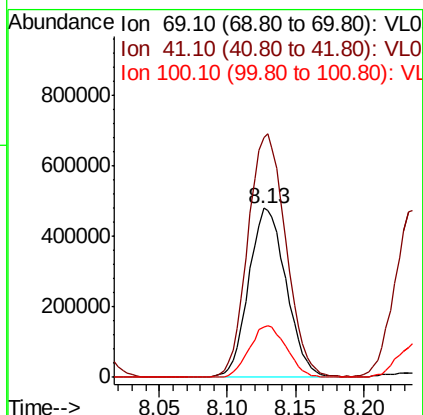
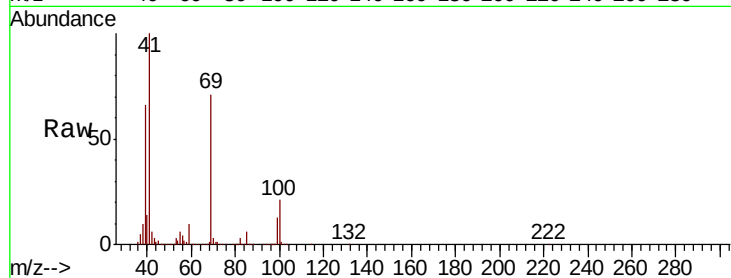


#43
Methyl Methacrylate
Concen: 10.415 ppbv
RT: 8.13 min Scan# 1614
Delta R.T. -0.01 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Instrument :
MSVOA_L
ClientSampleId :
VL0522ABS01

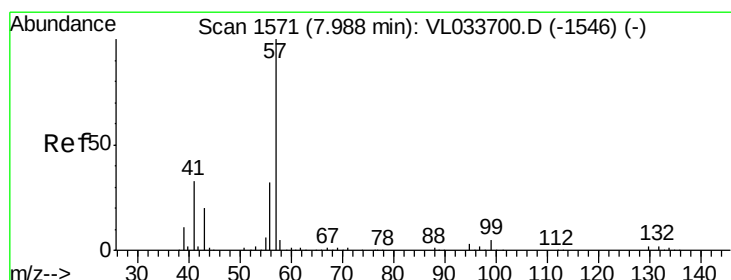
Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	145.5	116.3	174.5	
100	30.2	25.3	37.9	

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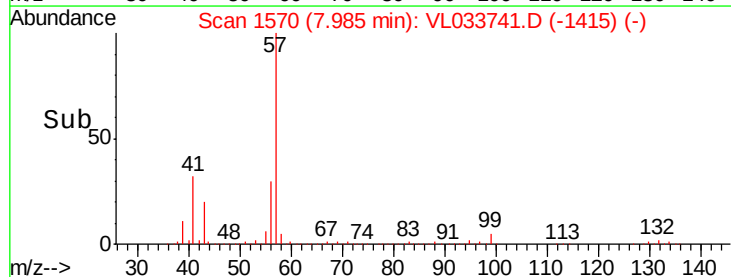
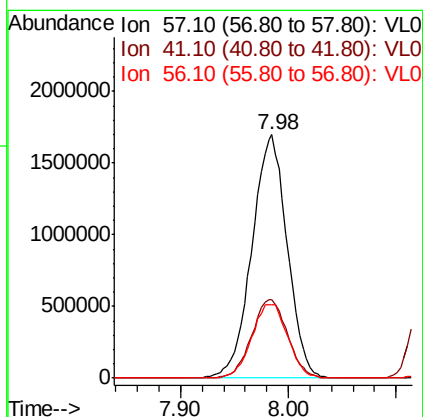
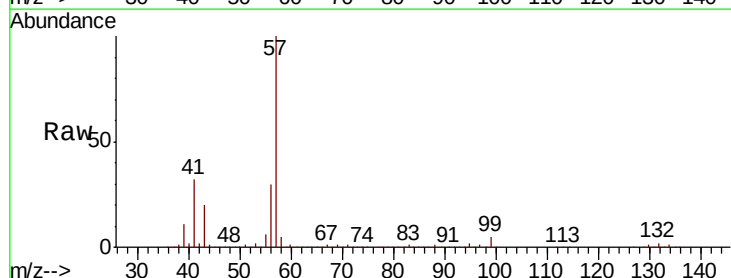
MMDadoda

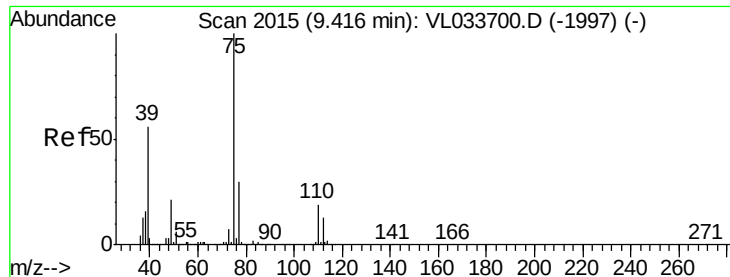
5/28/2019 2:50:41 AM



#44
2,2,4-Trimethylpentane
Concen: 9.540 ppbv
RT: 7.98 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	32.7	25.4	38.0	
56	30.9	24.7	37.1	





#45

t-1,3-Dichloropropene

Concen: 11.142 ppbv

RT: 9.41 min Scan# 2013

Delta R.T. -0.01 min

Lab File: VL033741.D

Acq: 22 May 2019 12:10

Tot Ion: 75 Resp: 1245098

Ion Ratio Lower Upper

75 100

77 33.3 24.4 36.6

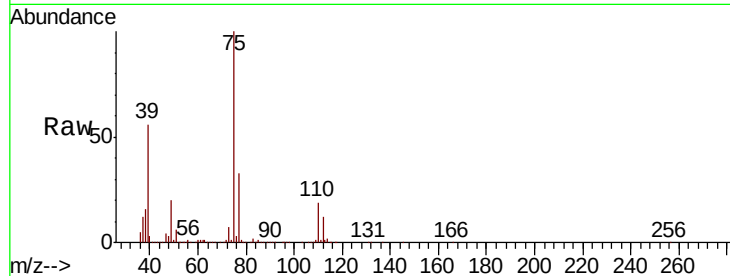
Instrument :

MSVOA_L

ClientSampleId :

VL0522ABS01

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Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.41

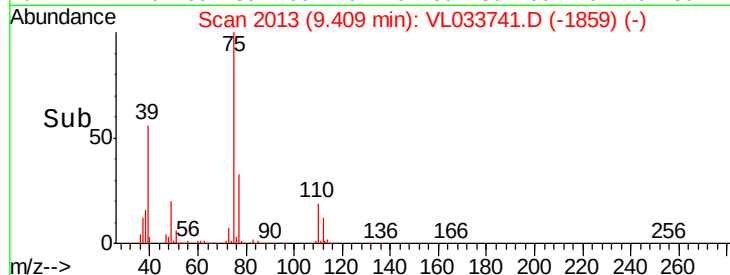
600000

400000

200000

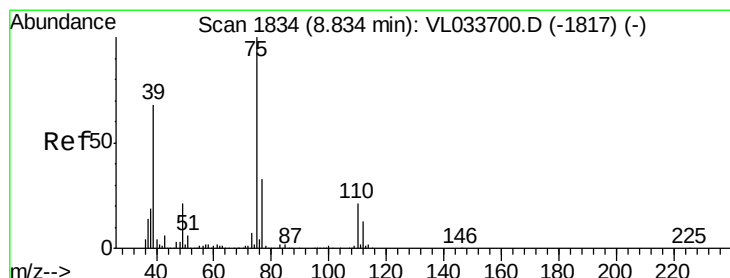
0

Time--> 9.30 9.35 9.40 9.45 9.50



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#46

cis-1,3-Dichloropropene

Concen: 10.775 ppbv

RT: 8.83 min Scan# 1832

Delta R.T. -0.01 min

Lab File: VL033741.D

Acq: 22 May 2019 12:10

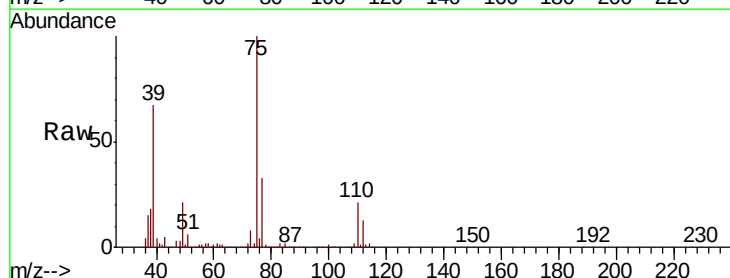
Tgt Ion: 75 Resp: 1409788

Ion Ratio Lower Upper

75 100

39 67.2 54.4 81.6

77 33.4 26.6 39.8



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

8.83

1000000

800000

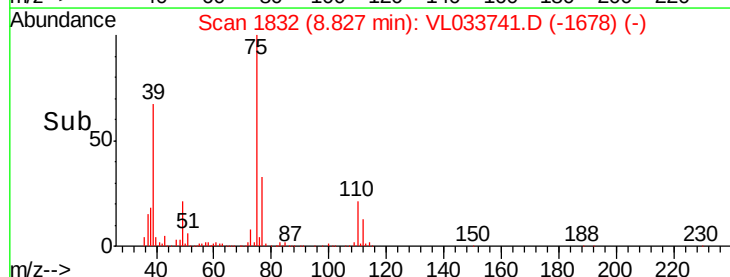
600000

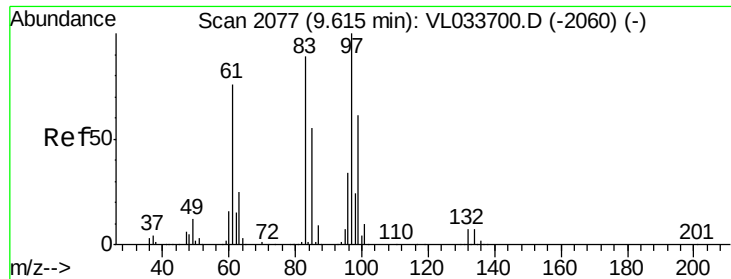
400000

200000

0

Time--> 8.75 8.80 8.85 8.90 8.95



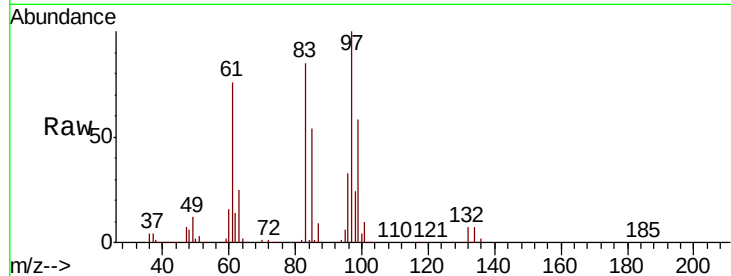


#47
 1,1,2-Trichloroethane
 Concen: 9.573 ppbv
 RT: 9.61 min Scan# 2075
 Delta R.T. -0.01 min
 Lab File: VL033741.D
 Acq: 22 May 2019 12:10

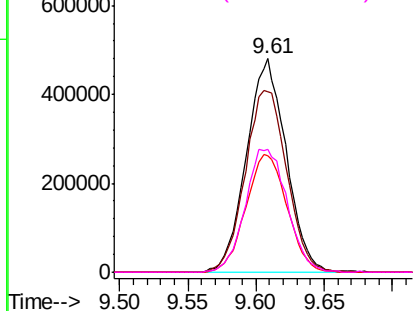
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0522ABS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		971068		
83	84.5	70.8	106.2		
85	54.2	43.7	65.5		
99	57.7	48.7	73.1		

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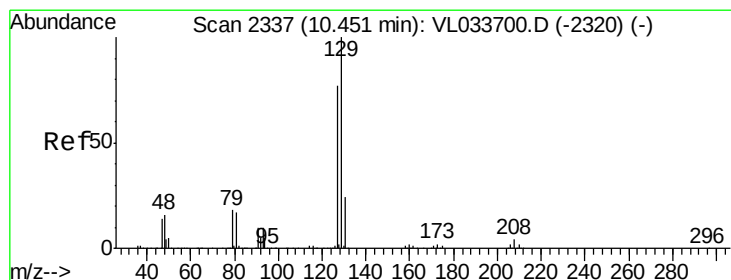
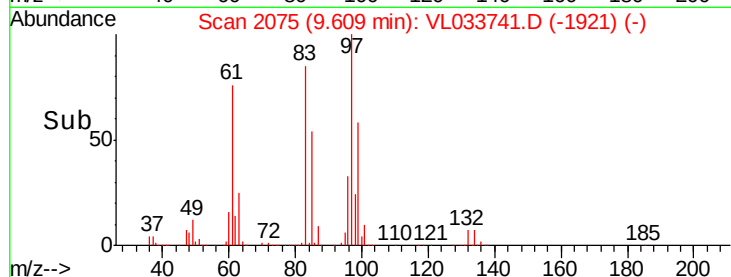


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0



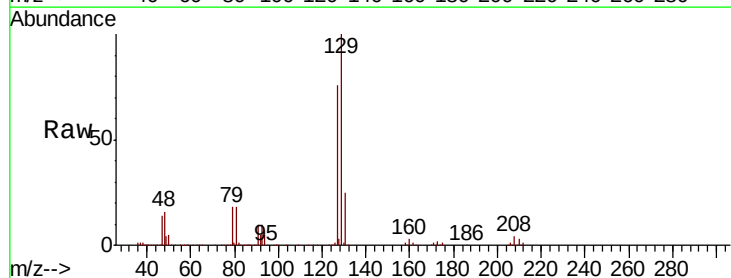
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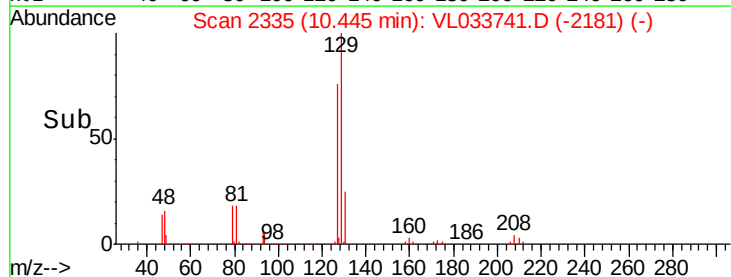
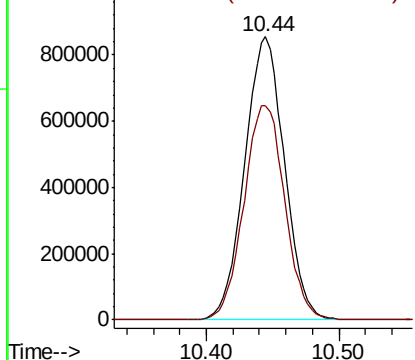


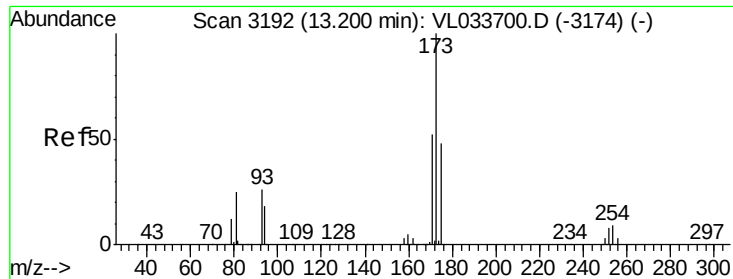
#48
 Dibromochloromethane
 Concen: 10.182 ppbv
 RT: 10.44 min Scan# 2335
 Delta R.T. -0.01 min
 Lab File: VL033741.D
 Acq: 22 May 2019 12:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
129	100		1789699		
127	77.9	38.6	116.0		



Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V



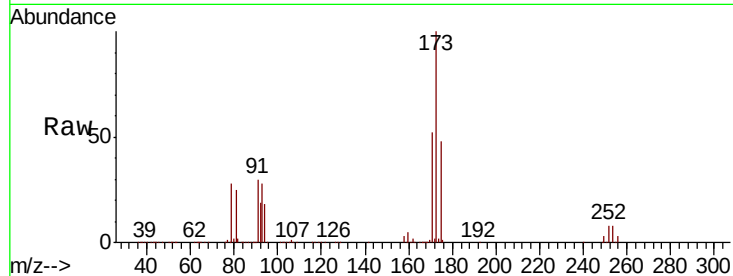


#49
Bromoform
Concen: 11.222 ppbv
RT: 13.19 min Scan# 3190
Delta R.T. -0.01 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

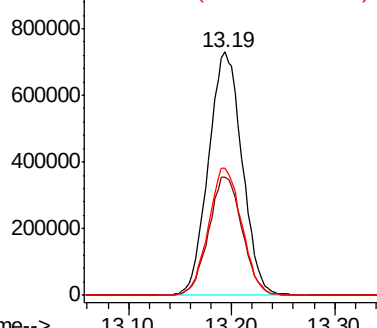
Instrument :
MSVOA_L
ClientSampled :
VL0522ABS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	38.6	58.0
171	51.8	41.5	62.3

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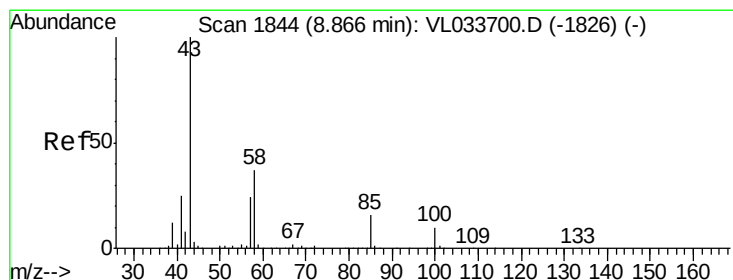
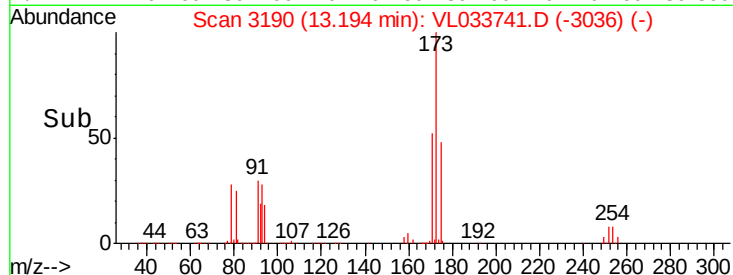


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V



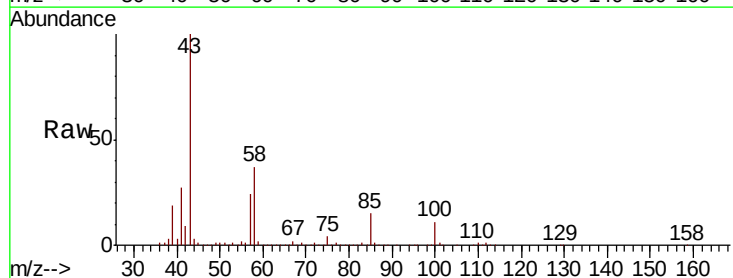
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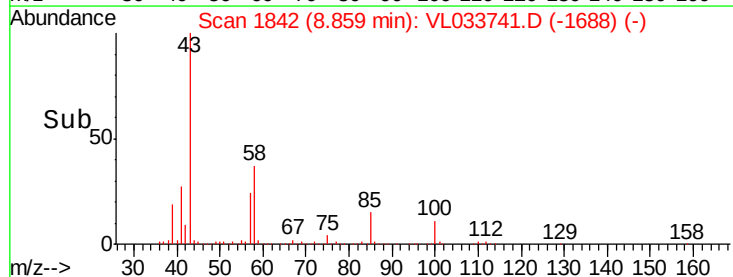
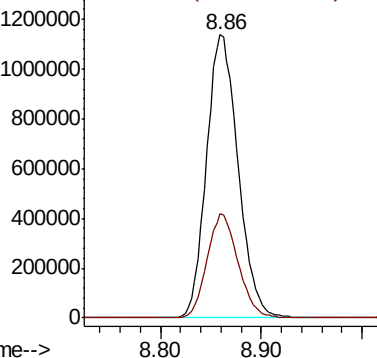


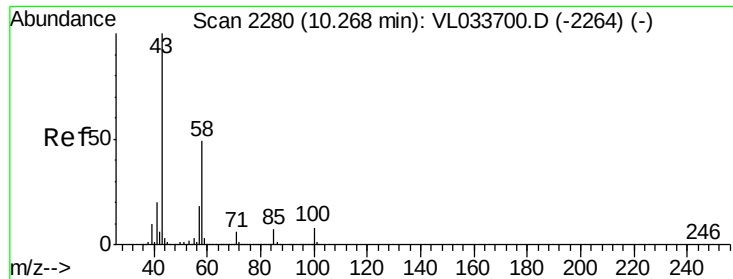
#50
4-Methyl-2-Pentanone
Concen: 9.827 ppbv
RT: 8.86 min Scan# 1842
Delta R.T. -0.01 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.1	28.6	43.0



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



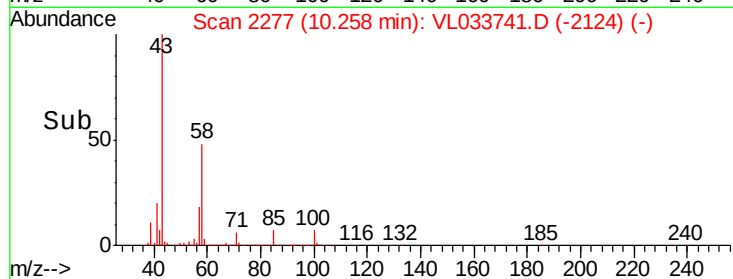
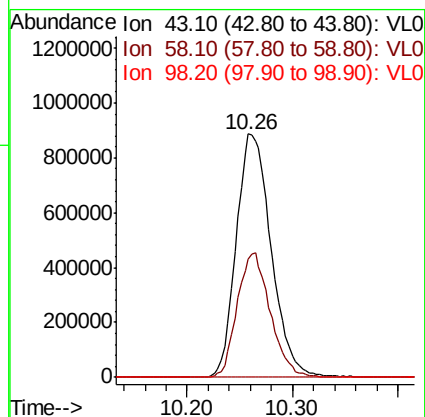
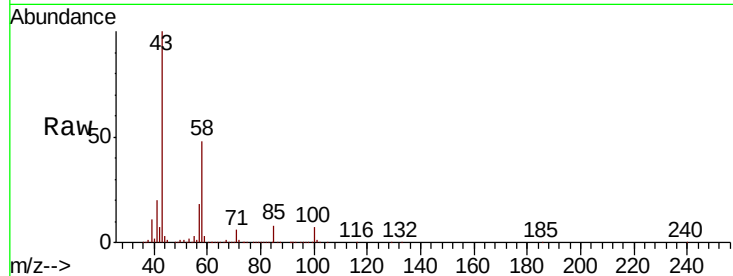


#51
2-Hexanone
Concen: 10.411 ppbv
RT: 10.26 min Scan# 2277
Delta R.T. -0.01 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Instrument :
MSVOA_L
ClientSampleId :
VL0522ABS01

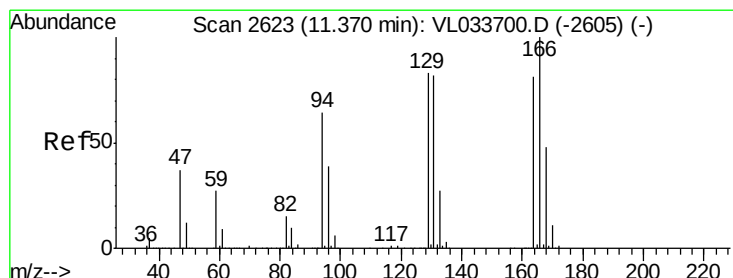
Tot Ion	Ratio	Lower	Upper
43	100		
58	48.4	38.7	58.1
98	0.2	0.2	0.4#

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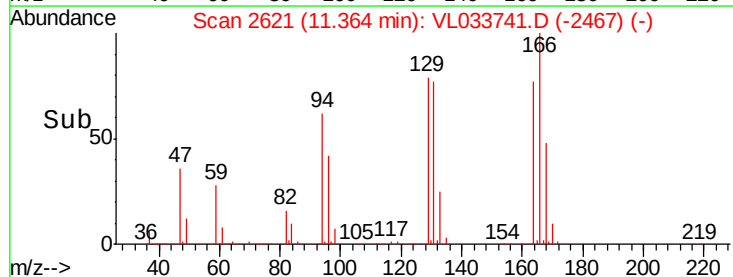
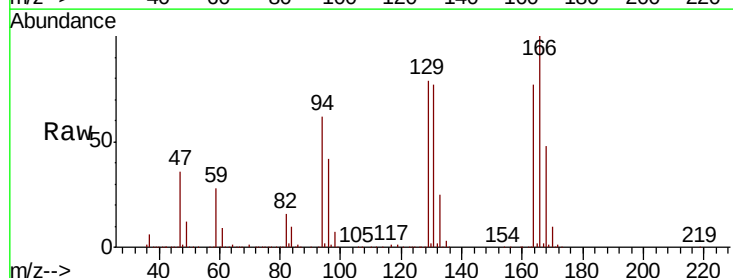
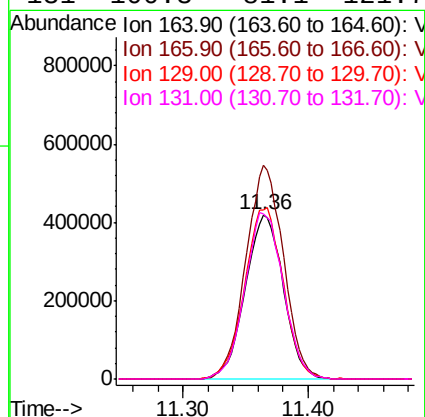
MMDadoda

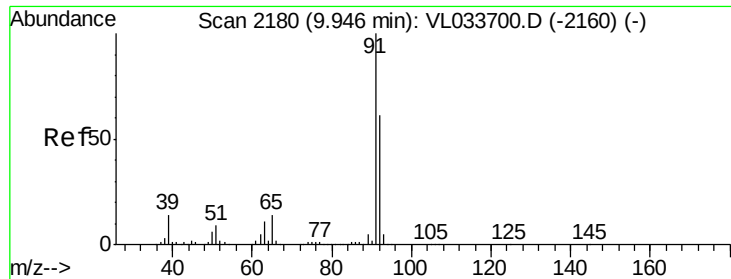
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#52
Tetrachloroethene
Concen: 10.474 ppbv
RT: 11.36 min Scan# 2621
Delta R.T. -0.01 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.9	98.9	148.3
129	102.5	81.8	122.6
131	100.3	81.1	121.7





#53

Toluene

Concen: 10.465 ppbv

RT: 9.94 min Scan# 2178

Delta R.T. -0.01 min

Lab File: VL033741.D

Acq: 22 May 2019 12:10

Instrument :

MSVOA_L

ClientSampleId :

VL0522ABS01

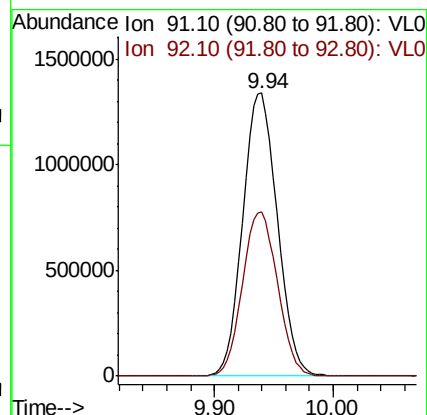
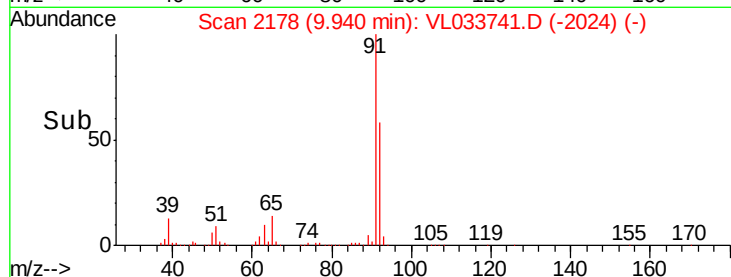
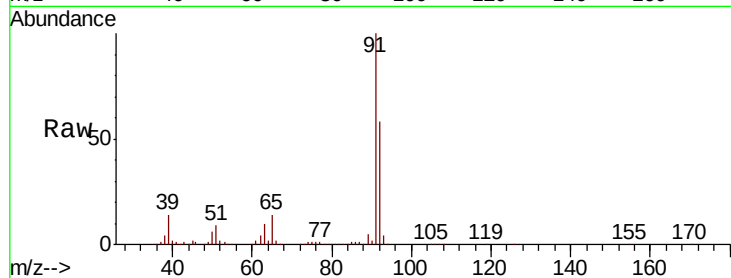
Tot Ion: 91 Resp: 2703371

Ion Ratio Lower Upper

91 100

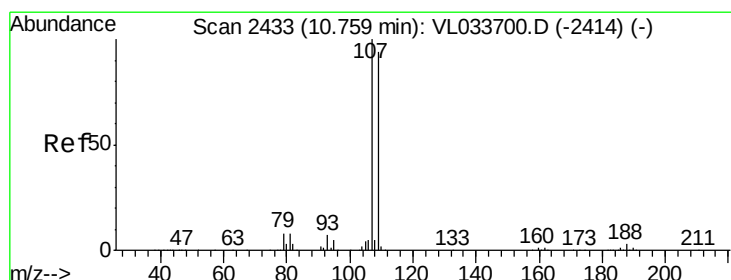
92 58.9 47.6 71.4

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#54

1,2-Dibromoethane

Concen: 9.889 ppbv

RT: 10.75 min Scan# 2431

Delta R.T. -0.01 min

Lab File: VL033741.D

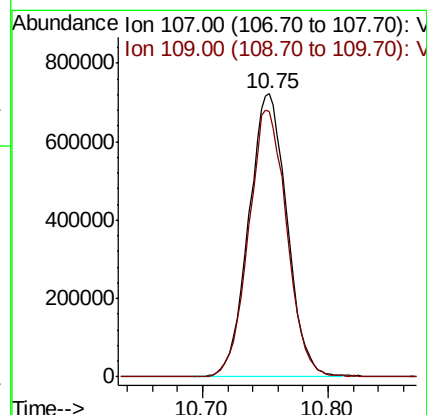
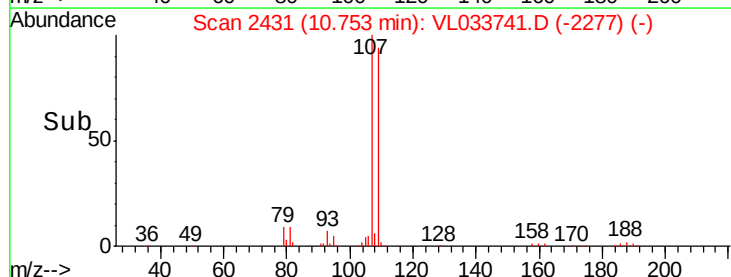
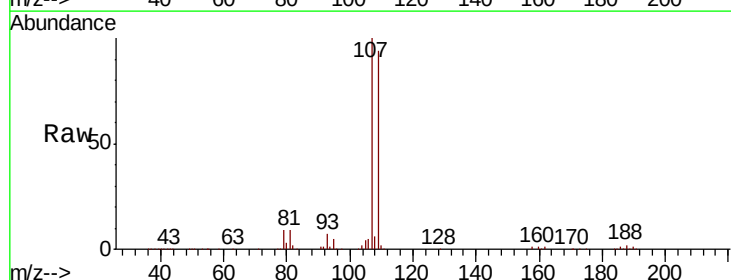
Acq: 22 May 2019 12:10

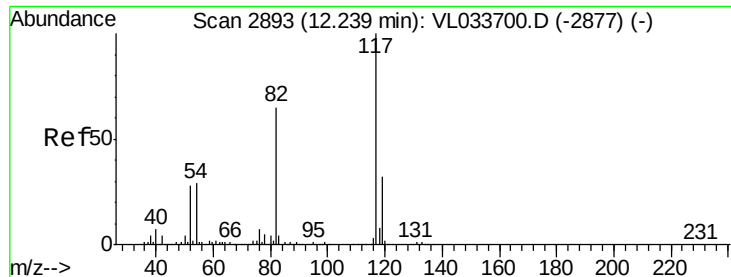
Tgt Ion:107 Resp: 1530936

Ion Ratio Lower Upper

107 100

109 93.7 75.2 112.8



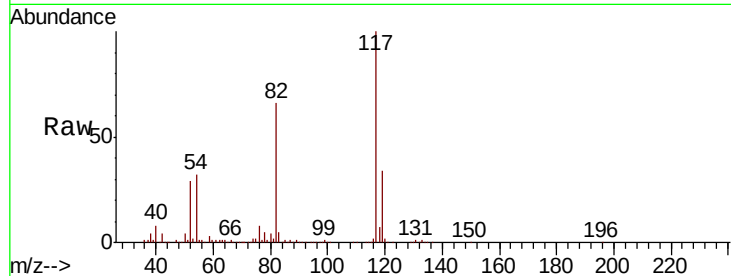


#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.23 min Scan# 2890
Delta R.T. -0.01 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

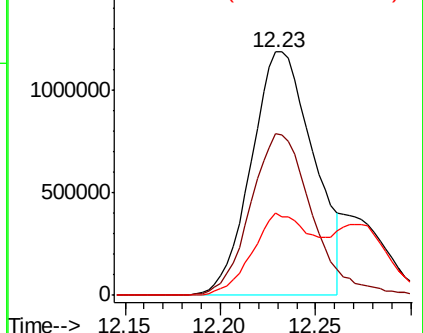
Instrument :
MSVOA_L
ClientSampleId :
VL0522ABS01

Tot Ion:117 Resp: 2697826
Ion Ratio Lower Upper
117 100
82 66.1 49.4 74.0
119 35.1 24.9 37.3

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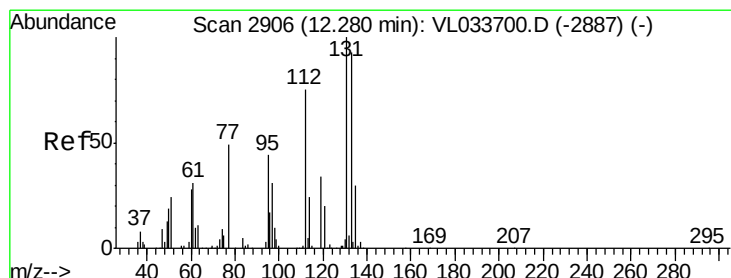
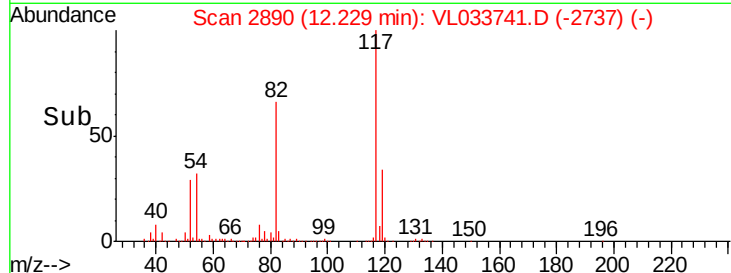


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



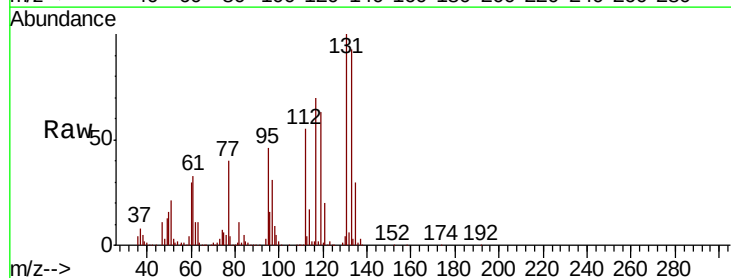
MMDadoda

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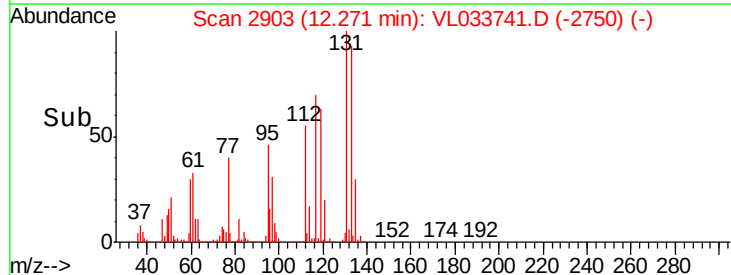
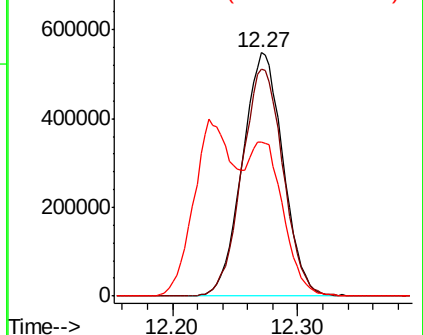


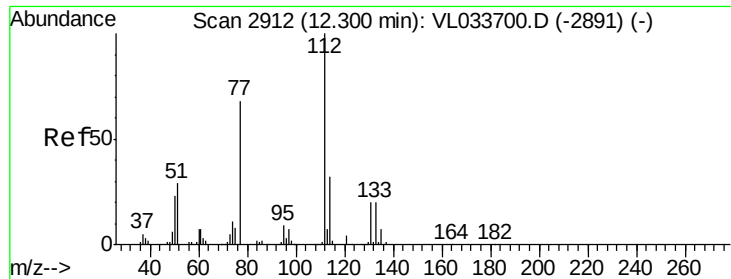
#56
1,1,1,2-Tetrachloroethane
Concen: 9.895 ppbv
RT: 12.27 min Scan# 2903
Delta R.T. -0.01 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Tgt Ion:131 Resp: 1235329
Ion Ratio Lower Upper
131 100
133 94.9 76.6 114.8
119 56.9 49.0 73.4



Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V



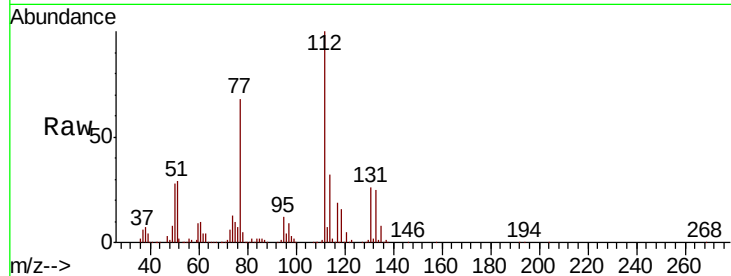


#57
Chlorobenzene
Concen: 9.600 ppbv
RT: 12.29 min Scan# 2909
Delta R.T. -0.01 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

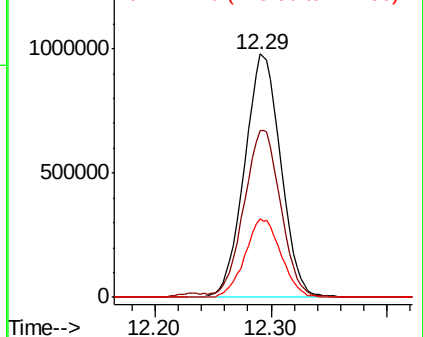
Instrument :
MSVOA_L
ClientSampleId :
VL0522ABS01

Tot Ion	Ratio	Lower	Upper
112	100		
77	68.0	55.4	83.0
114	32.0	29.3	35.8

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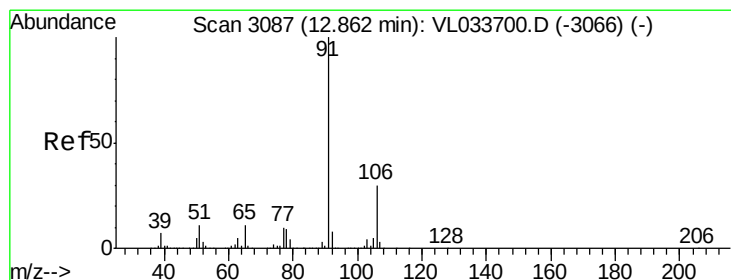
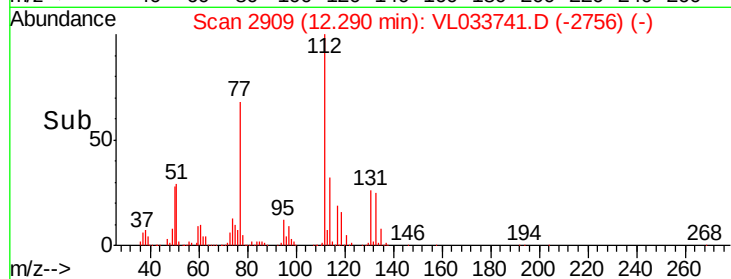


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V



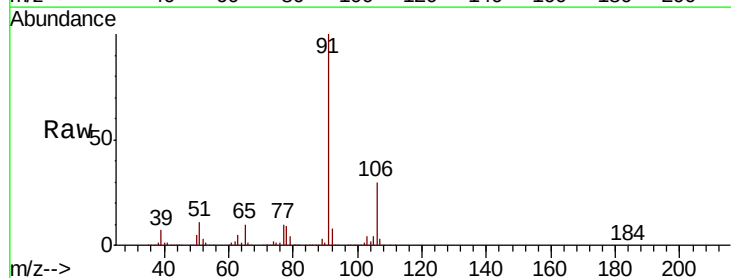
MMDadoda

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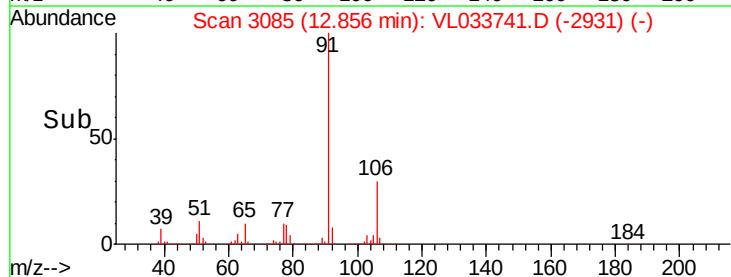
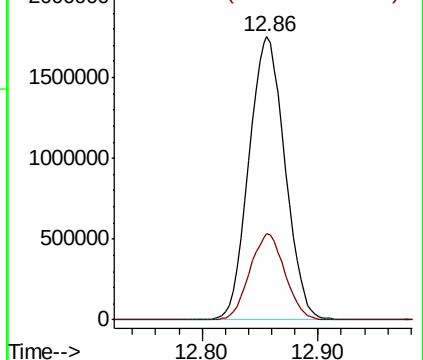


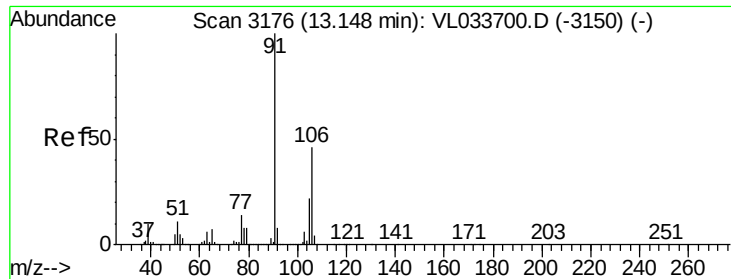
#58
Ethyl Benzene
Concen: 10.607 ppbv
RT: 12.86 min Scan# 3085
Delta R.T. -0.01 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.3	23.9	35.9



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V



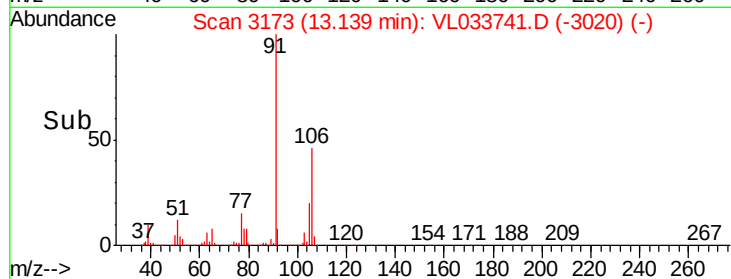
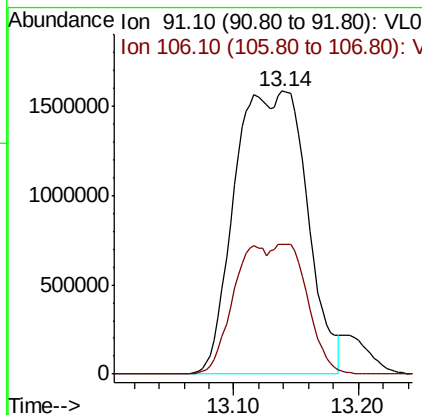
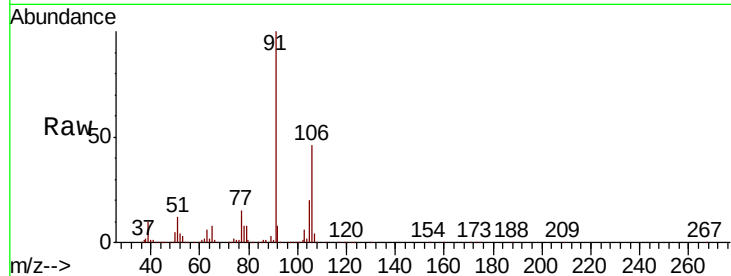


#59
m/p-Xylene
Concen: 20.383 ppbv m
RT: 13.14 min Scan# 3173
Delta R.T. -0.01 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Instrument :
MSVOA_L
ClientSampleId :
VL0522ABS01

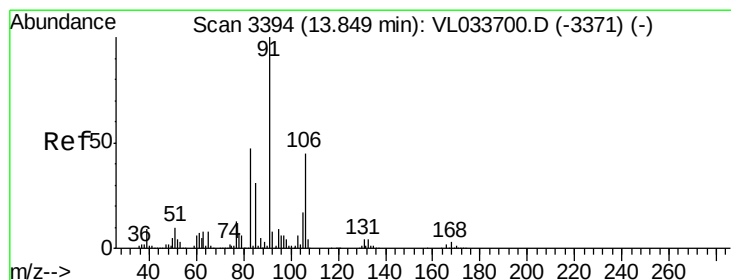
Tot Ion: 91 Resp: 6365534
Ion Ratio Lower Upper
91 100
106 45.1 35.8 53.6

Manual Integrations
APPROVED



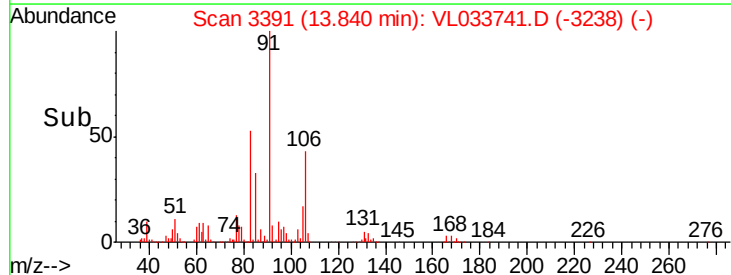
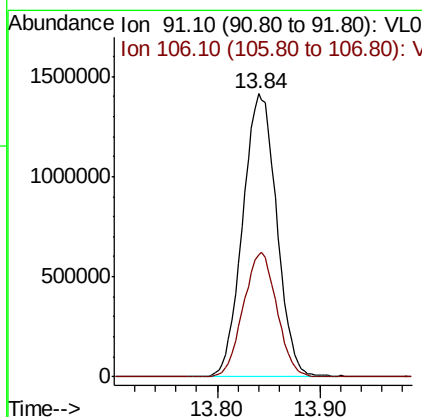
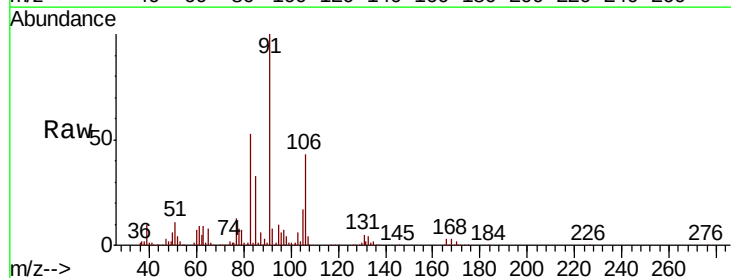
MMDadoda

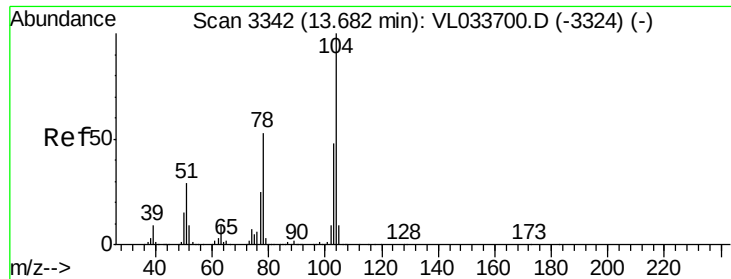
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#60
o-Xylene
Concen: 10.275 ppbv
RT: 13.84 min Scan# 3391
Delta R.T. -0.01 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Tgt Ion: 91 Resp: 3234893
Ion Ratio Lower Upper
91 100
106 43.4 21.6 64.8



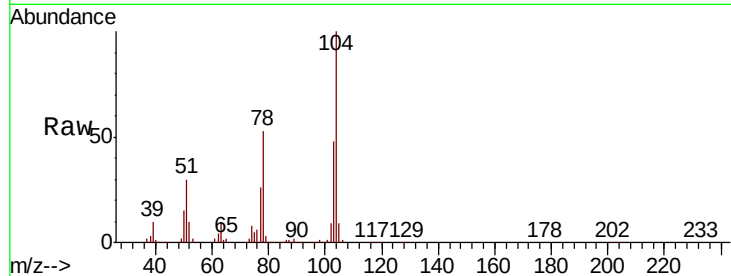


#61
Stvrene
Concen: 11.257 ppbv
RT: 13.68 min Scan# 3340
Delta R.T. -0.01 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Instrument :
MSVOA_L
ClientSampleId :
VL0522ABS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	53.9	42.6	64.0
103	47.3	37.8	56.6

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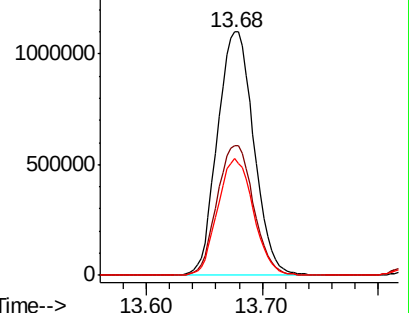


Abundance

Ion 104.10 (103.80 to 104.80): V

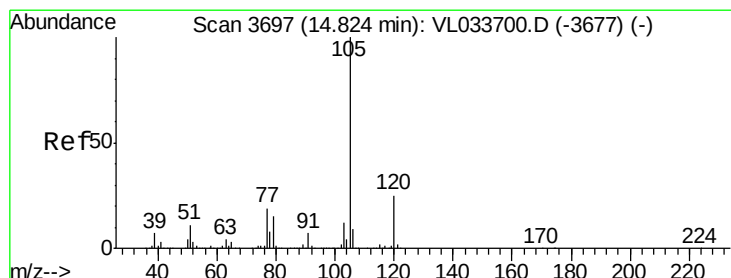
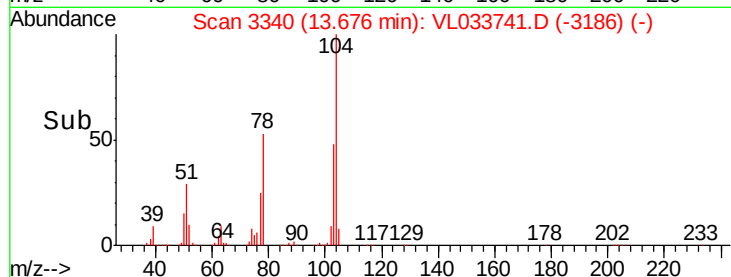
Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



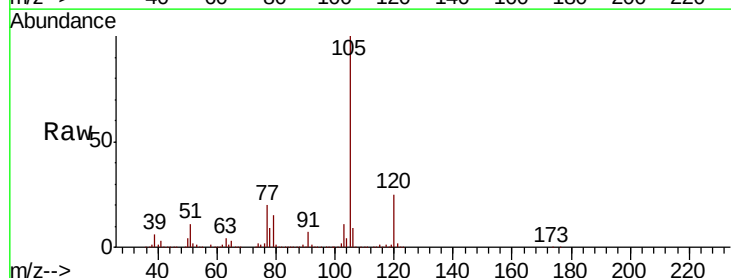
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#62
Isopropylbenzene
Concen: 10.220 ppbv
RT: 14.82 min Scan# 3695
Delta R.T. -0.01 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

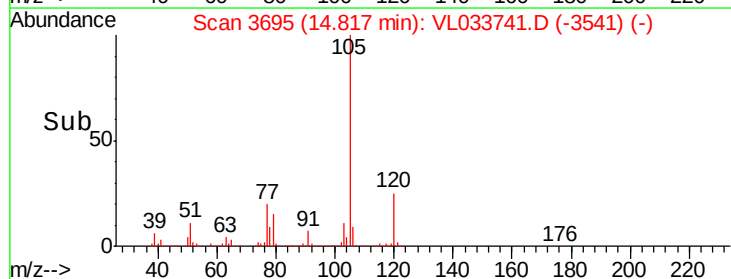
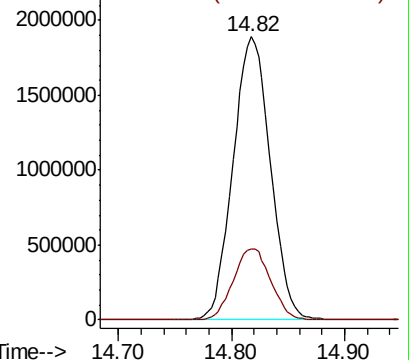
Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.4	20.1	30.1

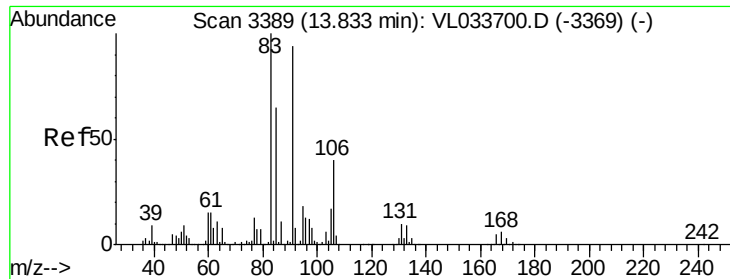


Abundance

Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



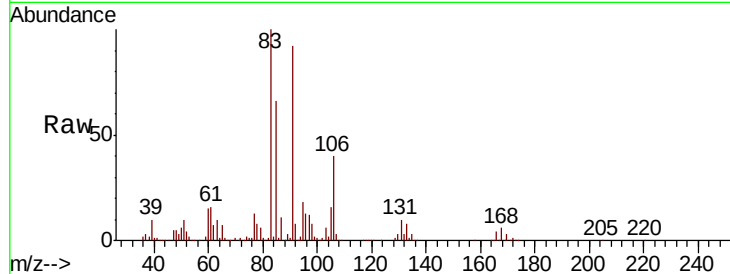


#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.931 ppbv
 RT: 13.83 min Scan# 3387
 Delta R.T. -0.01 min
 Lab File: VL033741.D
 Acq: 22 May 2019 12:10

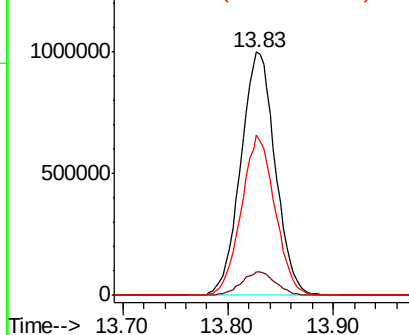
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0522ABS01

Tot Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.8	14.3
85	64.5	32.3	96.9

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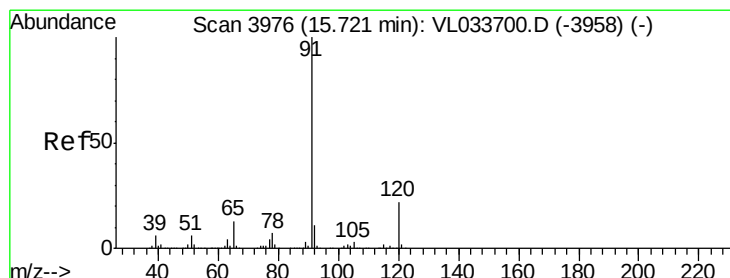
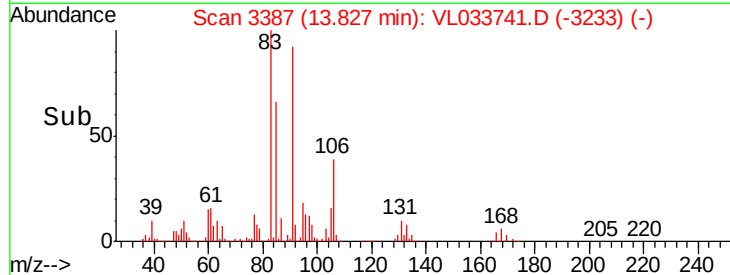


Abundance Ion 83.00 (82.70 to 83.70): VL0
 Ion 131.00 (130.70 to 131.70): V
 Ion 85.00 (84.70 to 85.70): VL0



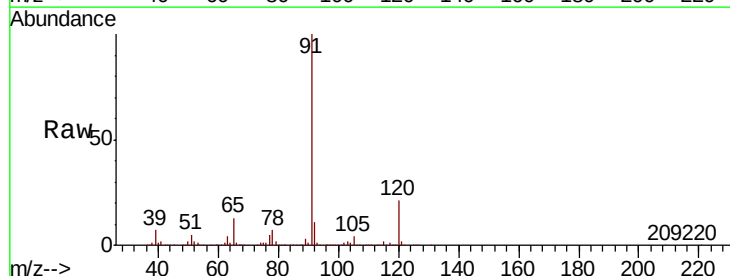
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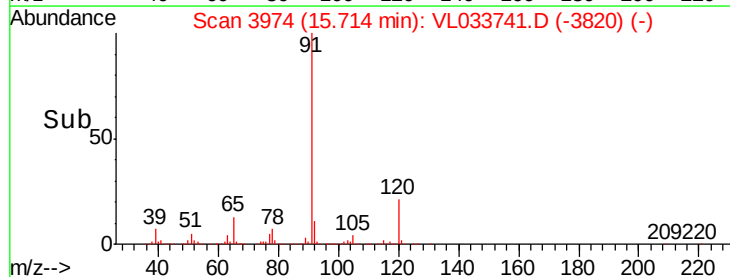
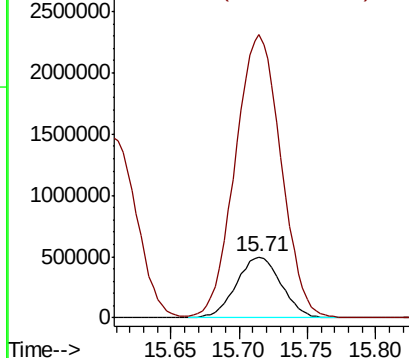


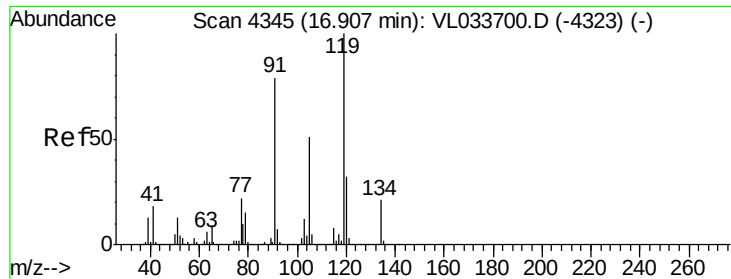
#64
 n-propylbenzene
 Concen: 10.338 ppbv
 RT: 15.71 min Scan# 3974
 Delta R.T. -0.01 min
 Lab File: VL033741.D
 Acq: 22 May 2019 12:10

Tgt Ion	Ratio	Lower	Upper
120	100		
91	475.6	379.1	568.7



Abundance Ion 120.20 (119.90 to 120.90): V
 Ion 91.10 (90.80 to 91.80): VL0



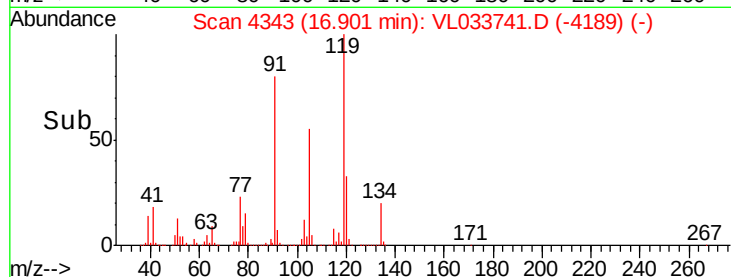
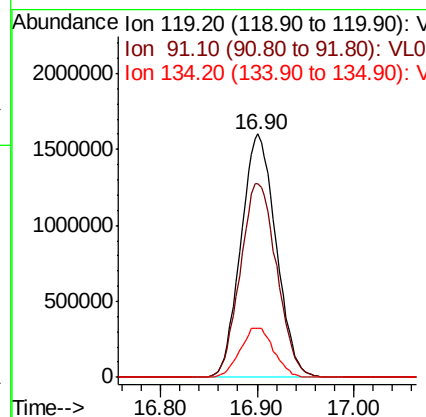
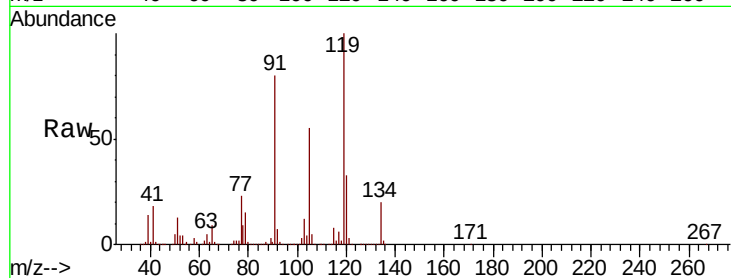


#65
 tert-Butylbenzene
 Concen: 10.441 ppbv
 RT: 16.90 min Scan# 4343
 Delta R.T. -0.01 min
 Lab File: VL033741.D
 Acq: 22 May 2019 12:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0522ABS01

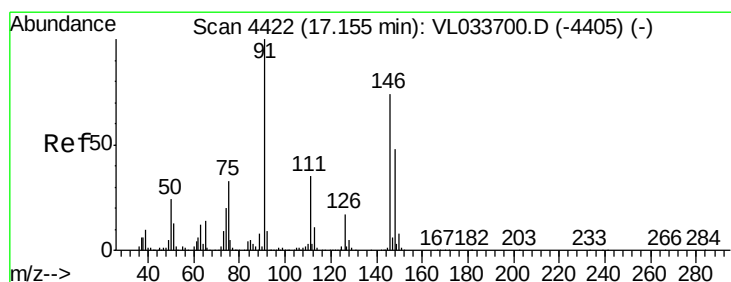
Tot Ion	Ratio	Lower	Upper
119	100		
91	82.9	65.3	97.9
134	19.5	15.7	23.5

Manual Integrations
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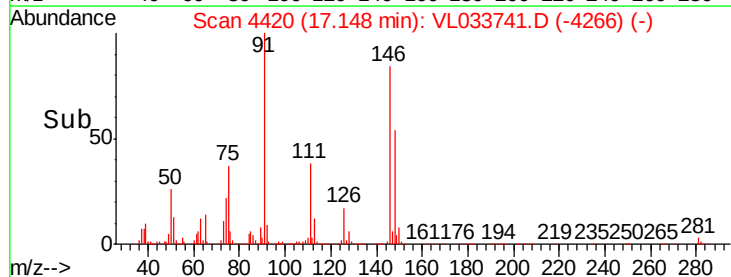
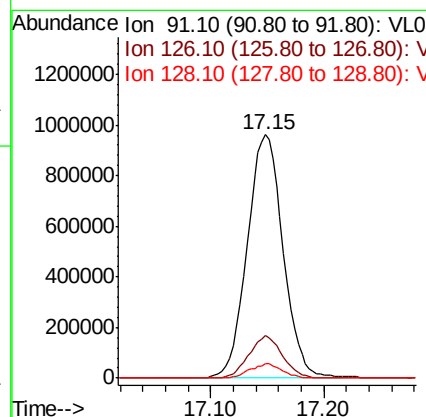
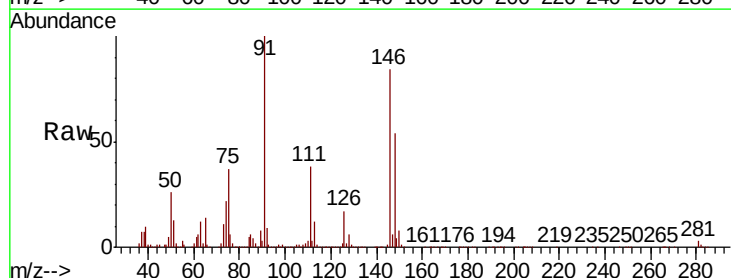
MMDadoda

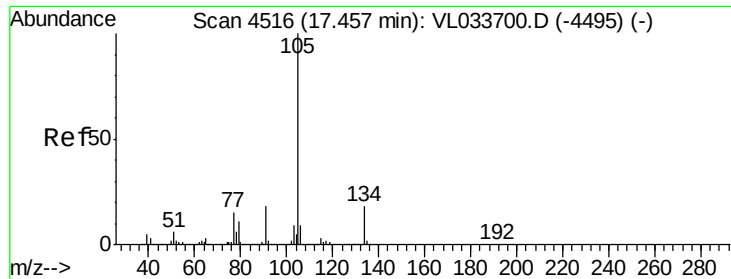
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#66
 Benzyl Chloride
 Concen: 11.469 ppbv
 RT: 17.15 min Scan# 4420
 Delta R.T. -0.01 min
 Lab File: VL033741.D
 Acq: 22 May 2019 12:10

Tgt Ion	Ratio	Lower	Upper
91	100		
126	16.5	13.5	20.3
128	5.3	4.3	6.5





#67

sec-Butylbenzene

Concen: 10.238 ppbv

RT: 17.45 min Scan# 4514

Delta R.T. -0.01 min

Lab File: VL033741.D

Acq: 22 May 2019 12:10

Instrument :

MSVOA_L

ClientSampleId :

VL0522ABS01

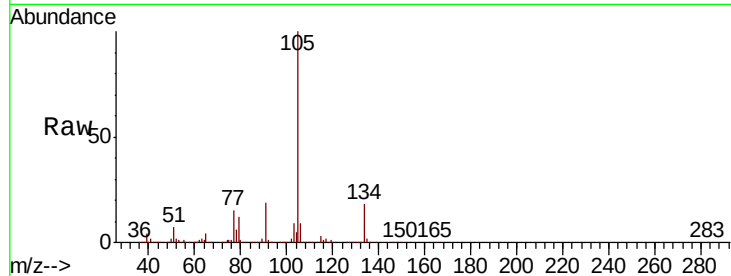
Tot Ion:105 Resp: 5547036

Ion Ratio Lower Upper

105 100

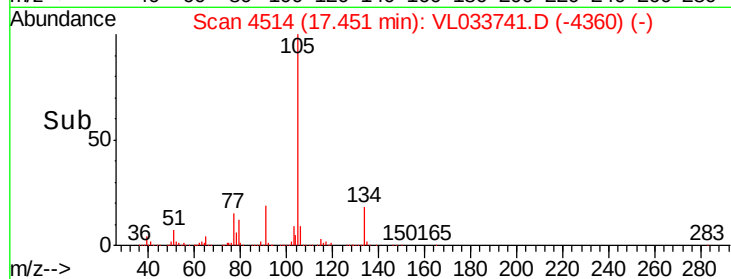
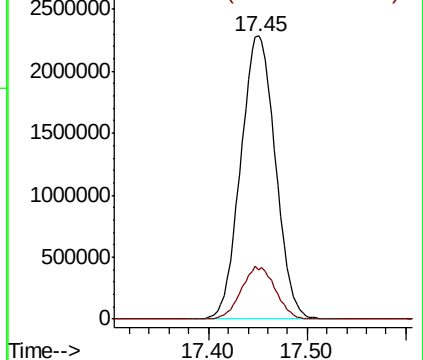
134 18.1 14.6 22.0

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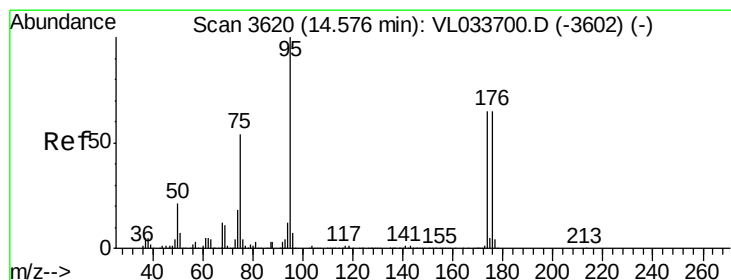
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



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#68

1-Bromo-4-Fluorobenzene

Concen: 10.156 ppbv

RT: 14.57 min Scan# 3617

Delta R.T. -0.01 min

Lab File: VL033741.D

Acq: 22 May 2019 12:10

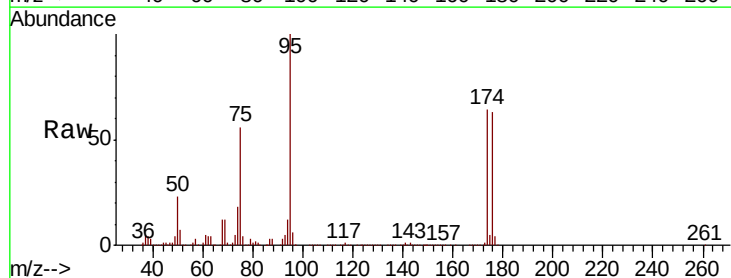
Tgt Ion: 95 Resp: 2221093

Ion Ratio Lower Upper

95 100

174 67.6 53.9 80.9

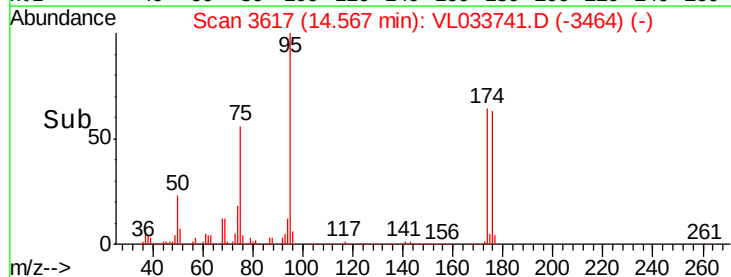
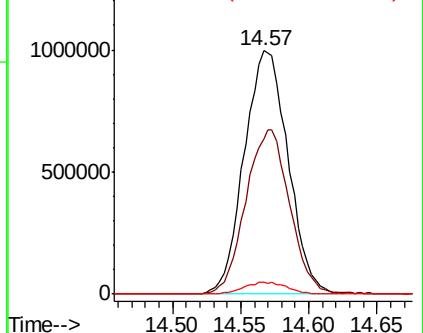
175 4.9 3.8 5.8

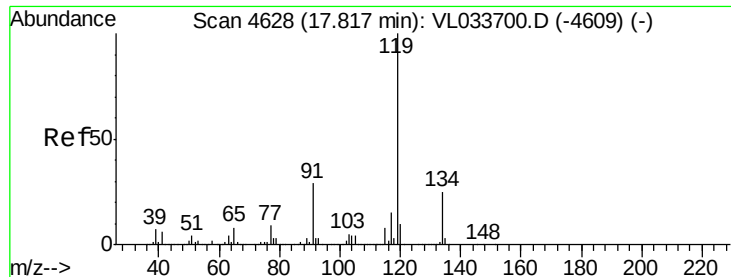


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V



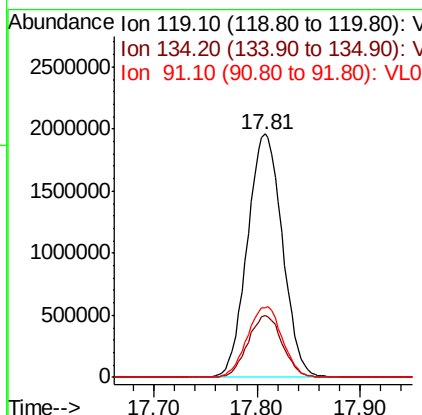
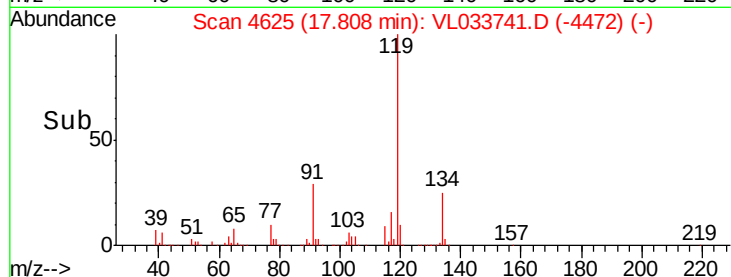
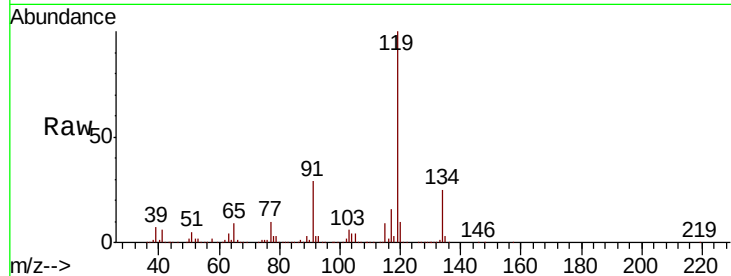


#69
 p-Isopropyltoluene
 Concen: 10.300 ppbv
 RT: 17.81 min Scan# 4625
 Delta R.T. -0.01 min
 Lab File: VL033741.D
 Acq: 22 May 2019 12:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0522ABS01

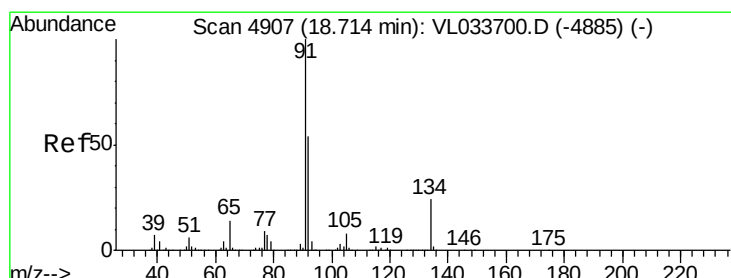
Tot Ion	Ratio	Lower	Upper
119	100		
134	25.1	20.3	30.5
91	29.2	23.1	34.7

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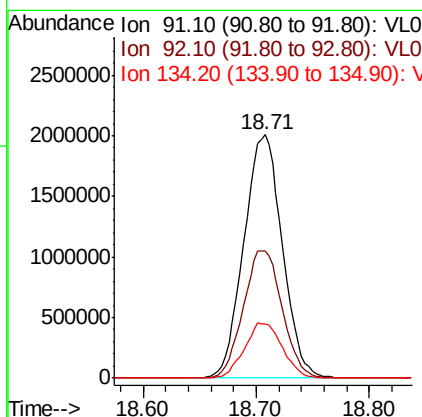
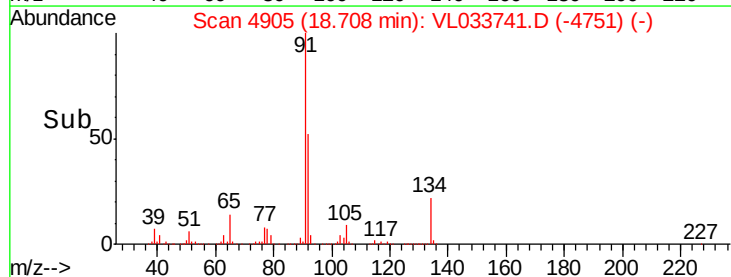
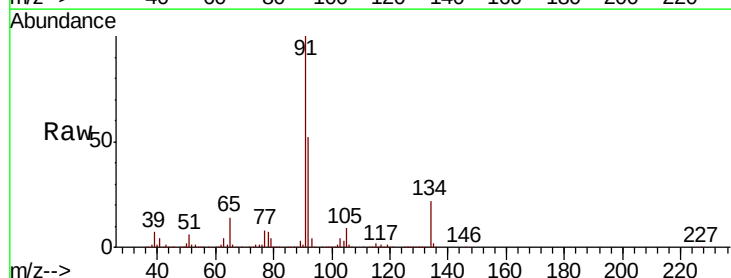
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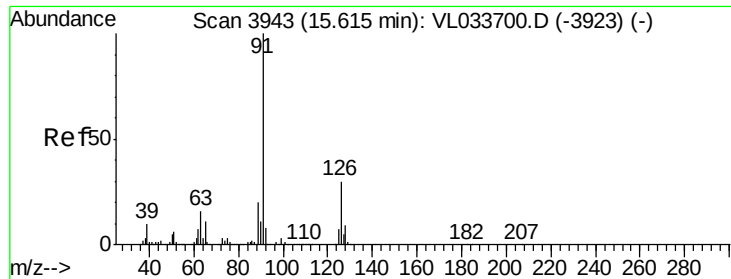
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#70
 n-Butylbenzene
 Concen: 9.868 ppbv
 RT: 18.71 min Scan# 4905
 Delta R.T. -0.01 min
 Lab File: VL033741.D
 Acq: 22 May 2019 12:10

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.1	42.6	63.8
134	22.3	18.1	27.1





#71

2-Chlorotoluene

Concen: 10.478 ppbv

RT: 15.61 min Scan# 3941

Delta R.T. -0.01 min

Lab File: VL033741.D

Acq: 22 May 2019 12:10

Instrument :

MSVOA_L

ClientSampleId :

VL0522ABS01

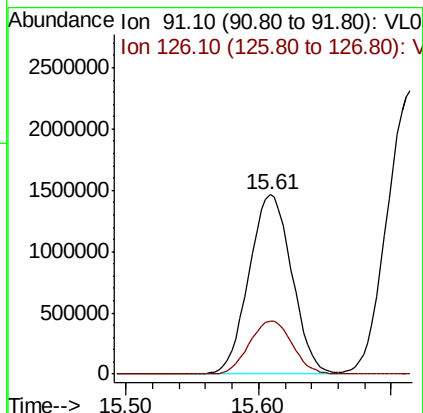
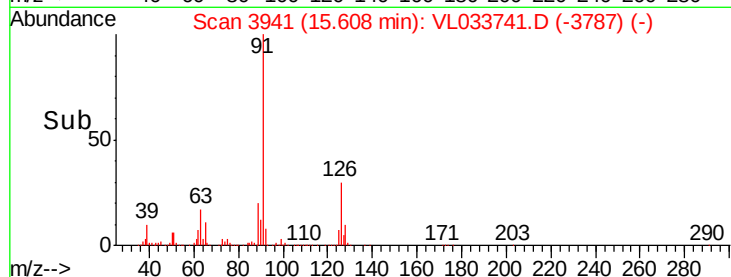
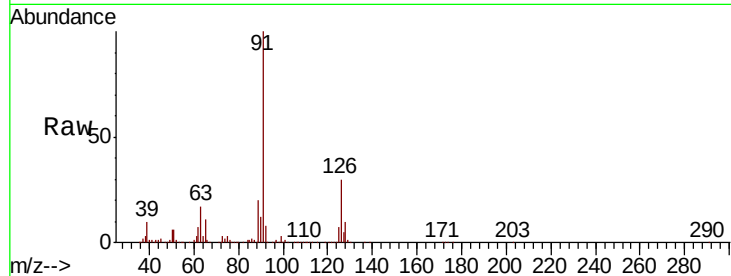
Tot Ion: 91 Resp: 3295789

Ion Ratio Lower Upper

91 100

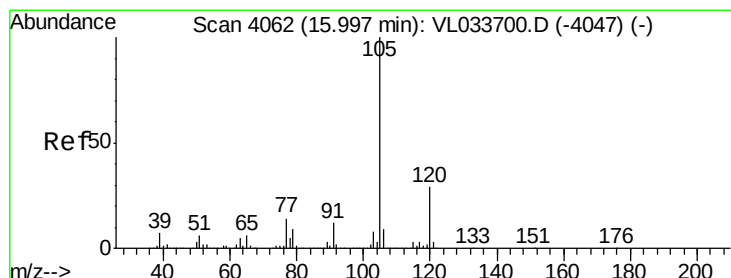
126 29.7 12.0 47.8

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#72

4-Ethyltoluene

Concen: 10.798 ppbv

RT: 15.99 min Scan# 4061

Delta R.T. -0.00 min

Lab File: VL033741.D

Acq: 22 May 2019 12:10

Tgt Ion:105 Resp: 3886727

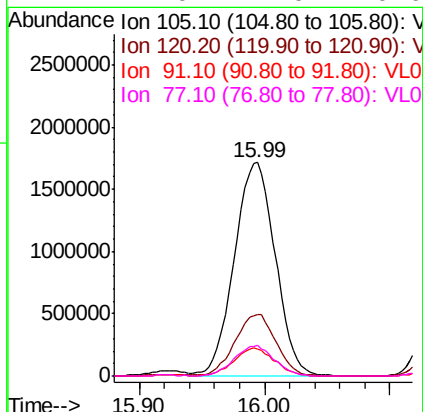
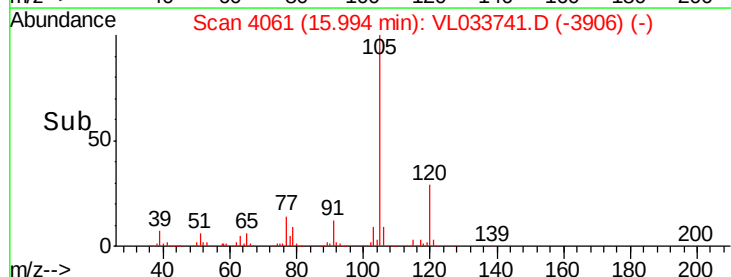
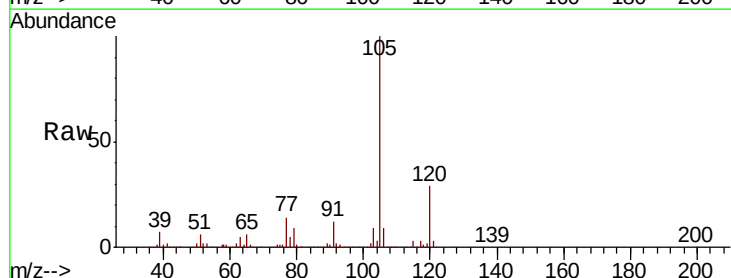
Ion Ratio Lower Upper

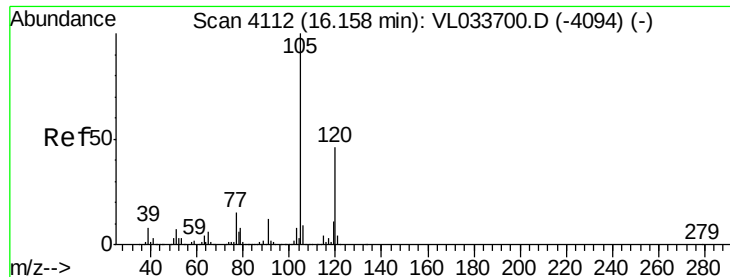
105 100

120 28.9 23.1 34.7

91 12.9 10.4 15.6

77 14.0 11.0 16.6





#73

1,3,5-Trimethylbenzene

Concen: 10.513 ppbv

RT: 16.15 min Scan# 4110

Delta R.T. -0.01 min

Lab File: VL033741.D

Acq: 22 May 2019 12:10

Instrument :

MSVOA_L

ClientSampleId :

VL0522ABS01

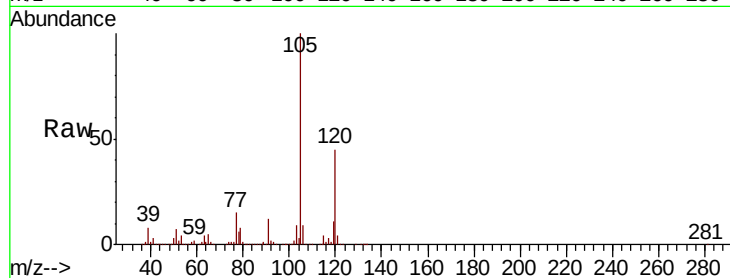
Tot Ion:105 Resp: 3692389

Ion Ratio Lower Upper

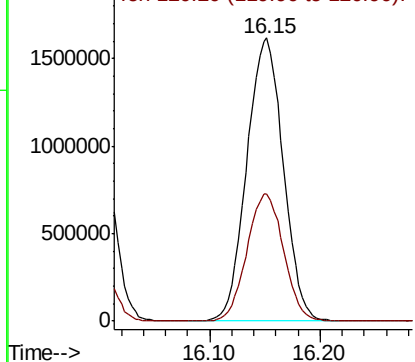
105 100

120 44.9 37.0 55.4

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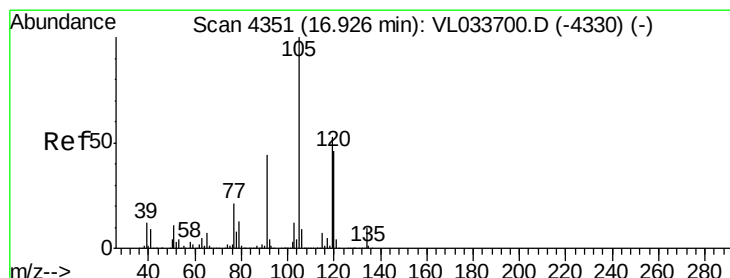
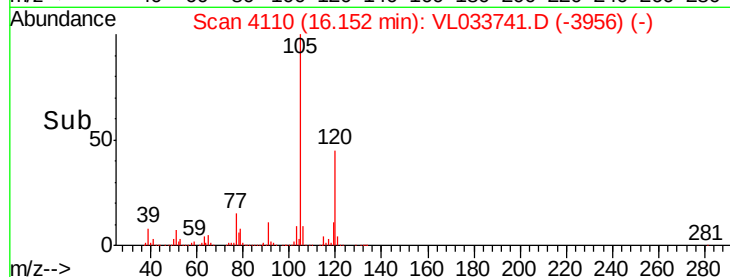


Abundance Ion 105.10 (104.80 to 105.80): V
Ion 120.20 (119.90 to 120.90): V



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#74

1,2,4-Trimethylbenzene

Concen: 10.072 ppbv

RT: 16.92 min Scan# 4349

Delta R.T. -0.01 min

Lab File: VL033741.D

Acq: 22 May 2019 12:10

Tgt Ion:105 Resp: 3849829

Ion Ratio Lower Upper

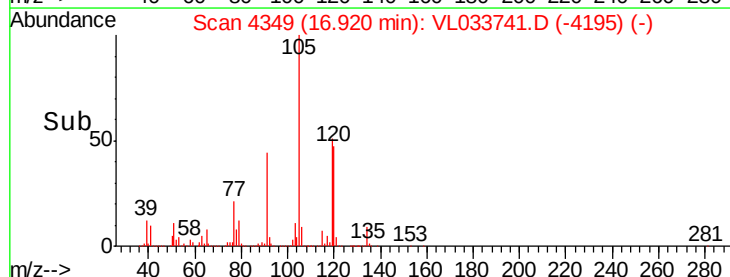
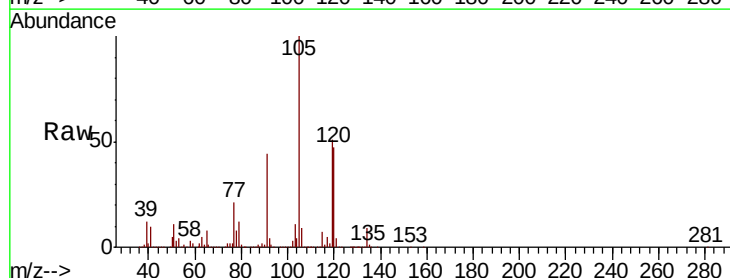
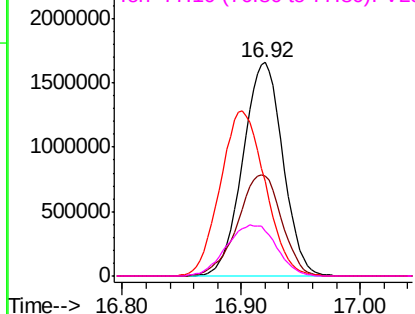
105 100

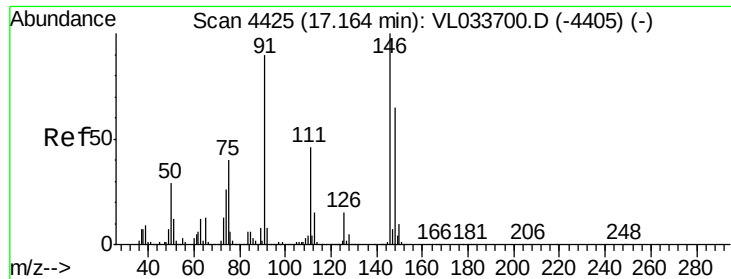
120 46.7 36.8 55.2

91 44.2 35.4 53.0

77 21.1 16.8 25.2

Abundance Ion 105.10 (104.80 to 105.80): V
Ion 120.20 (119.90 to 120.90): V
Ion 91.10 (90.80 to 91.80): VL0
Ion 77.10 (76.80 to 77.80): VL0



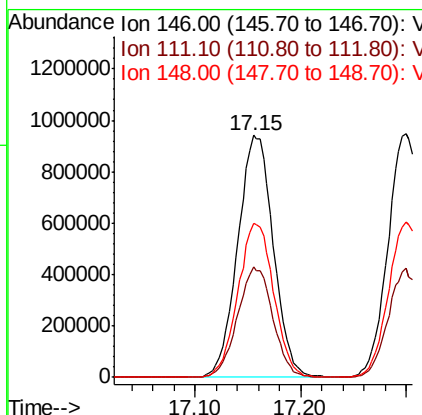
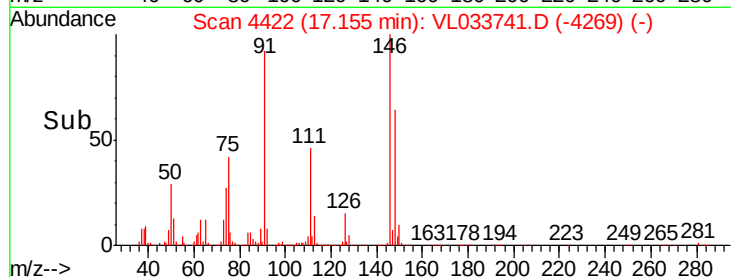
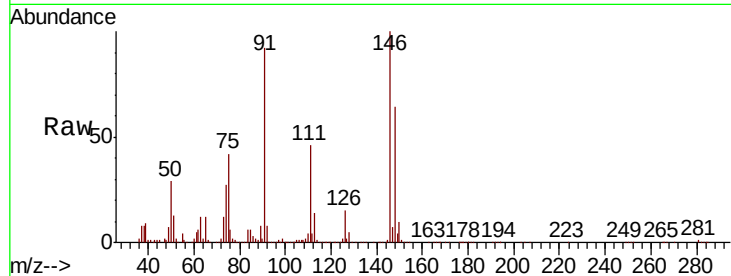


#75
 1,3-Dichlorobenzene
 Concen: 9.415 ppbv
 RT: 17.15 min Scan# 4422
 Delta R.T. -0.01 min
 Lab File: VL033741.D
 Acq: 22 May 2019 12:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0522ABS01

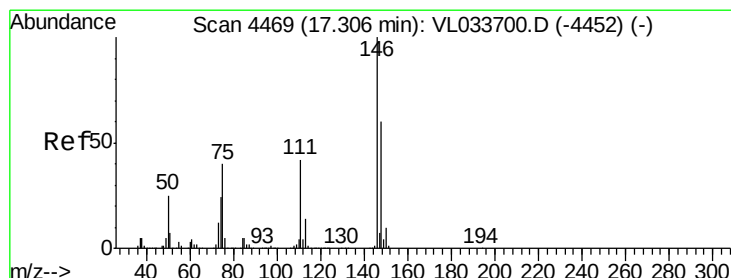
Tot Ion	Ratio	Lower	Upper
146	100		
111	45.2	22.9	68.8
148	64.2	32.0	96.2

Manual Integrations
 APPROVED



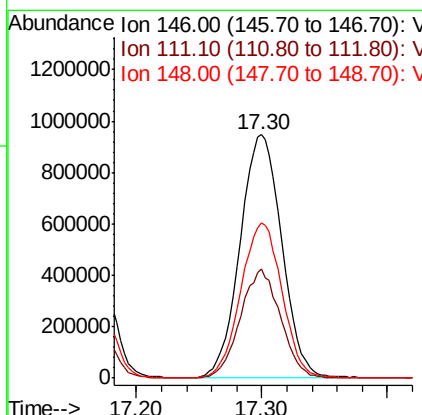
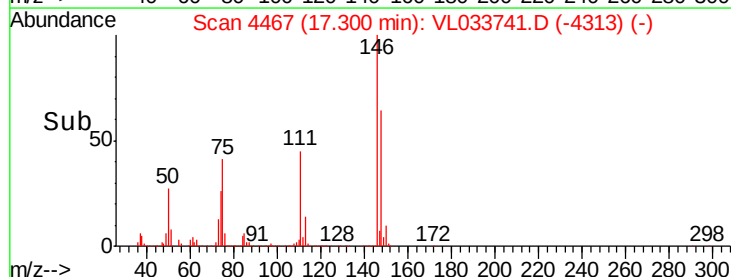
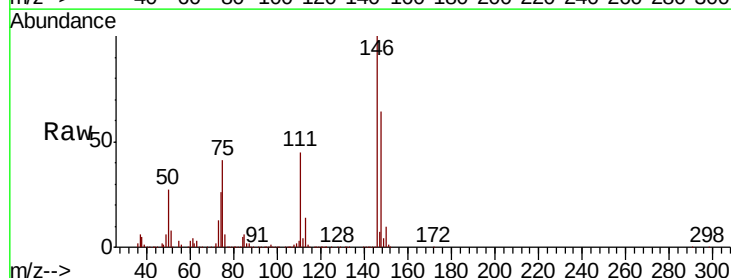
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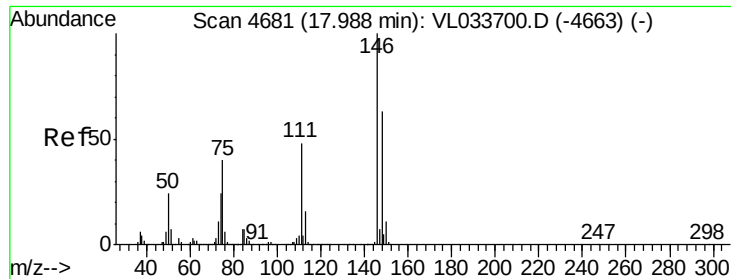
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#76
 1,4-Dichlorobenzene
 Concen: 9.764 ppbv
 RT: 17.30 min Scan# 4467
 Delta R.T. -0.01 min
 Lab File: VL033741.D
 Acq: 22 May 2019 12:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.9	65.8
148	63.9	32.1	96.3



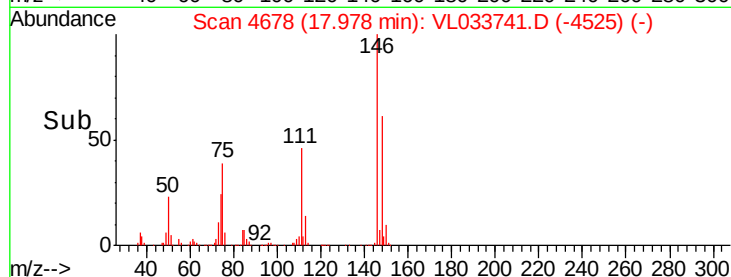
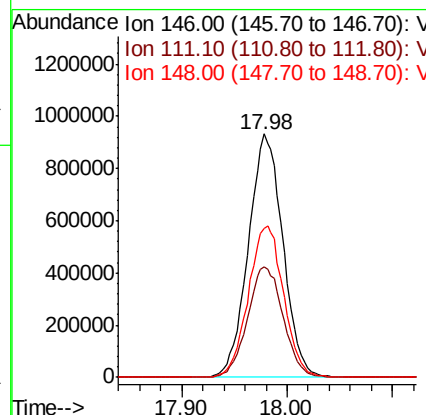
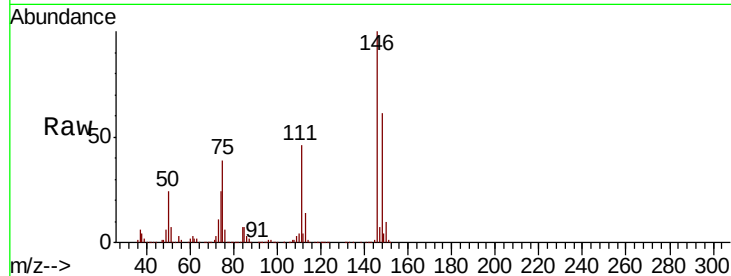


#77
 1,2-Dichlorobenzene
 Concen: 9.643 ppbv
 RT: 17.98 min Scan# 4678
 Delta R.T. -0.01 min
 Lab File: VL033741.D
 Acq: 22 May 2019 12:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0522ABS01

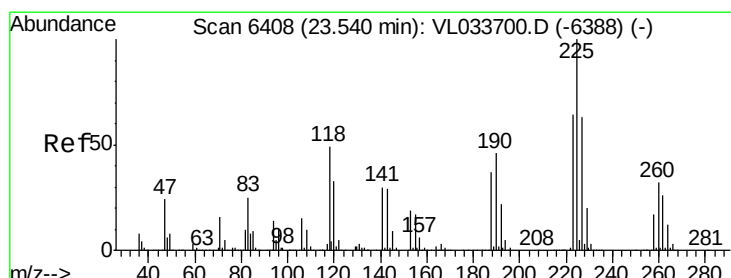
Tot Ion	Ratio	Lower	Upper
146	100		
111	46.9	23.5	70.5
148	63.7	32.1	96.3

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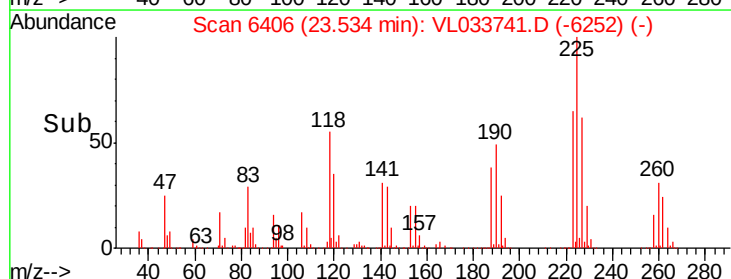
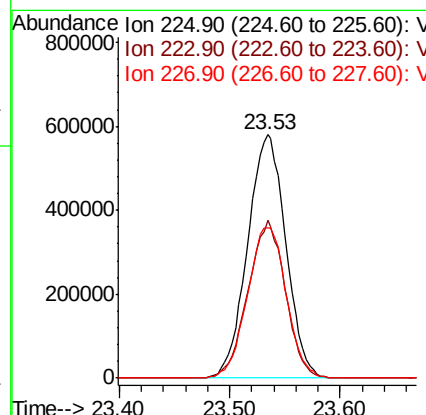
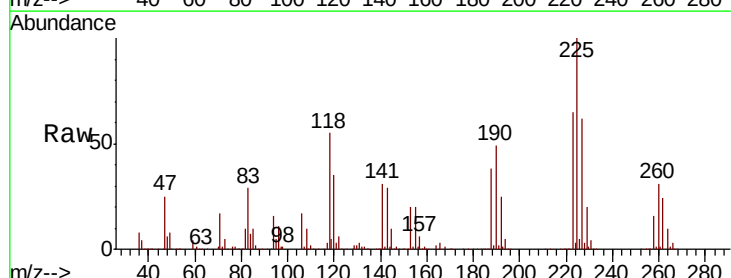
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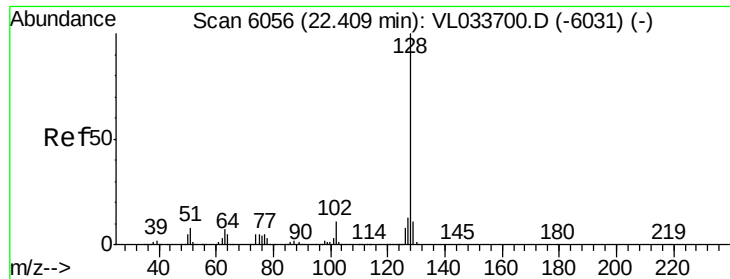
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#78
 Hexachloro-1,3-Butadiene
 Concen: 8.375 ppbv
 RT: 23.53 min Scan# 6406
 Delta R.T. -0.01 min
 Lab File: VL033741.D
 Acq: 22 May 2019 12:10

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	50.2	75.4
227	63.2	50.7	76.1



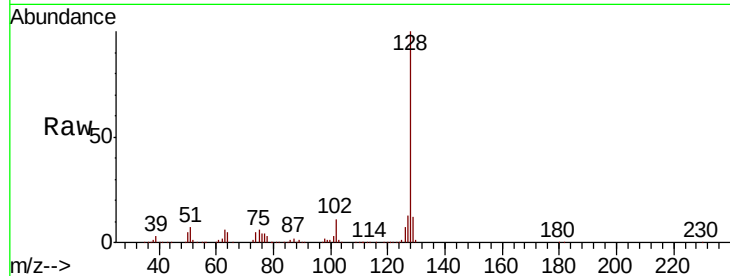


#79
Naphthalene
Concen: 8.479 ppbv
RT: 22.40 min Scan# 6053
Delta R.T. -0.01 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Instrument :
MSVOA_L
ClientSampleId :
VL0522ABS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.6	16.0
129	11.5	8.9	13.3

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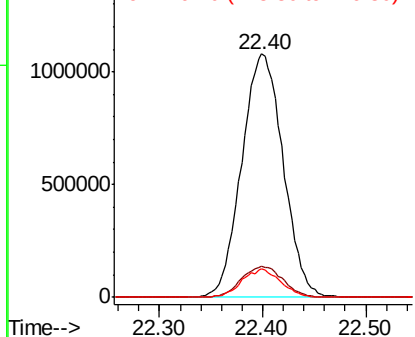


Abundance

Ion 128.10 (127.80 to 128.80): V

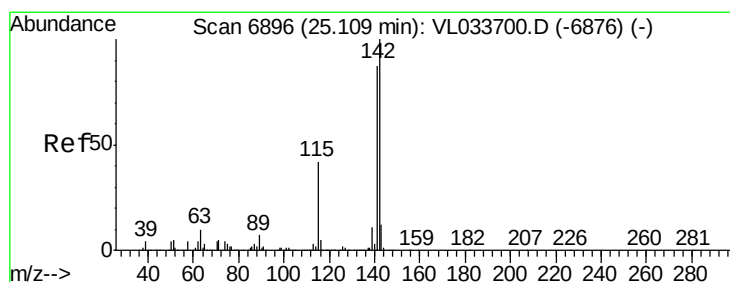
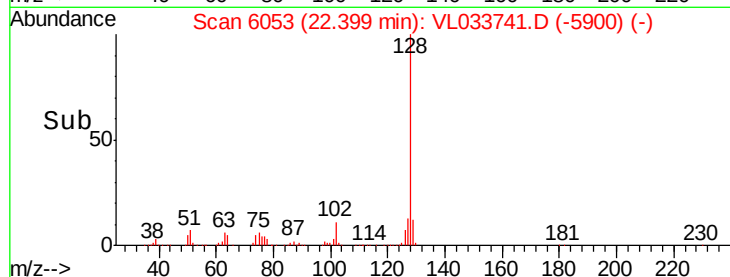
Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



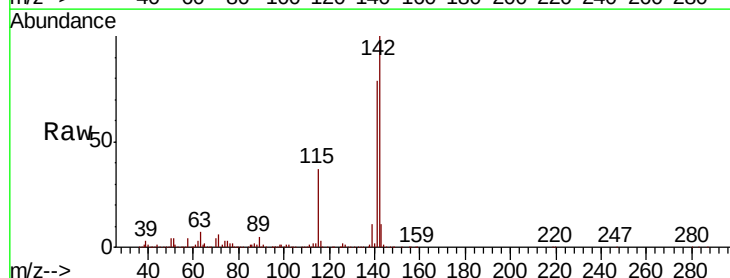
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#80
Naphthalene, 2-methyl-
Concen: 7.011 ppbv
RT: 25.10 min Scan# 6894
Delta R.T. -0.01 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Tgt Ion	Ratio	Lower	Upper
142	100		
141	82.5	67.2	100.8
115	36.8	34.1	51.1

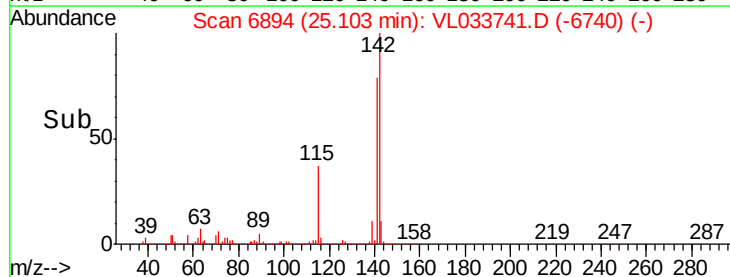
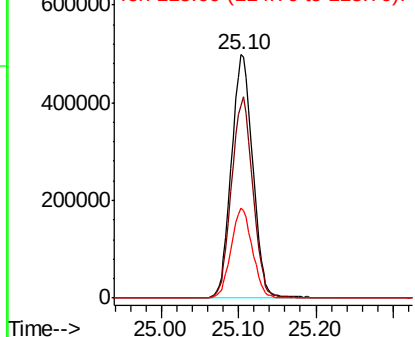


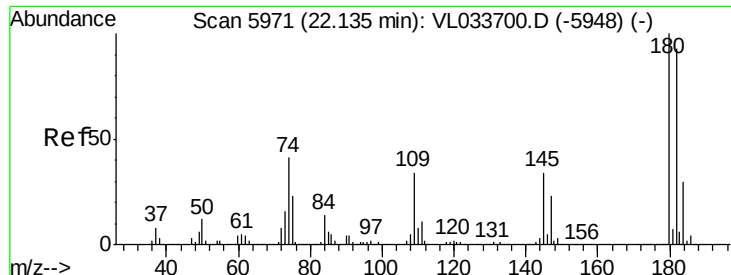
Abundance

Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V



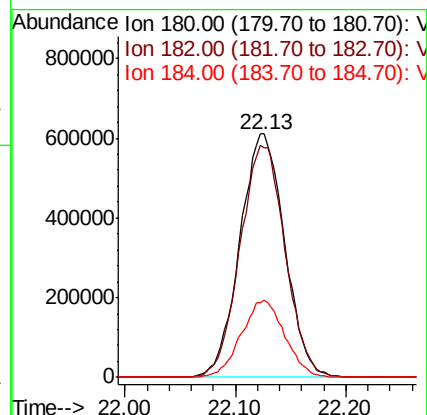
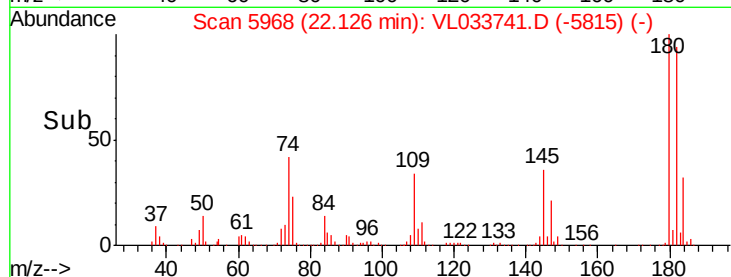
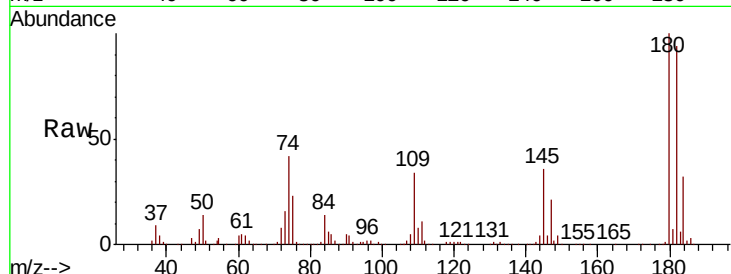


#81
 1,2,4-Trichlorobenzene
 Concen: 8.260 ppbv
 RT: 22.13 min Scan# 5968
 Delta R.T. -0.01 min
 Lab File: VL033741.D
 Acq: 22 May 2019 12:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0522ABS01

Tot Ion:	180	Resp:	1717143
Ion Ratio	Lower	Upper	
180	100		
182	96.0	76.1	114.1
184	30.8	24.6	37.0

Manual Integrations
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