

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050619\
 Data File : VL033657.D
 Acq On : 6 May 2019 12:54
 Operator : SY/AP
 Sample : VSTDIC0.5
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Manual Integrations
 APPROVED

MMDadoda
 5/8/2019 12:06:06 PM

Quant Time: May 06 14:21:44 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 12:00:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.75	49	983113	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	2505902	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	2356220	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1965043	10.44	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.07	85	140167	0.855	ppbv	96
3) Chlorodifluoromethane	3.01	51	82343	0.695	ppbv	95
4) Chloromethane	3.17	50	39172	0.600	ppbv	93
5) Vinyl Chloride	3.29	62	35890	0.528	ppbv	96
6) Bromomethane	3.51	94	24865	0.616	ppbv	94
7) Chloroethane	3.60	64	13926m	0.614	ppbv	
8) Dichlorotetrafluoroethane	3.22	85	98074	0.593	ppbv	99
9) Propene	3.03	41	28428	0.689	ppbv	97
10) Heptane	8.24	43	59365	0.473	ppbv	99
11) Trichlorofluoromethane	4.00	101	113573	0.623	ppbv	88
12) 1,1,2-Trichlorotrifluoroet	4.55	101	76510	0.611	ppbv	99
13) Ethanol	3.65	45	11109m	0.729	ppbv	
14) Bromoethene	3.78	108	28062	0.553	ppbv	99
15) Acetone	3.91	43	80538	0.651	ppbv	95
16) 1,3-Butadiene	3.36	39	30423	0.552	ppbv	96
17) tert-Butyl alcohol	4.37	59	60604	0.582	ppbv	97
18) 1,1-Dichloroethene	4.35	96	34316	0.631	ppbv	93
19) Isopropyl Alcohol	4.03	45	48695m	0.589	ppbv	
20) Methylene Chloride	4.41	84	29954m	0.619	ppbv	
21) Allyl Chloride	4.47	41	44563	0.575	ppbv	94
22) trans-1,2-Dichloroethene	4.96	96	31902	0.594	ppbv	96
23) Vinyl Acetate	5.15	43	81680	0.455	ppbv #	97
24) 1,1-Dichloroethane	5.08	63	75365	0.562	ppbv #	96
25) Ethyl Acetate	5.77	43	120033	0.524	ppbv	99
26) Hexane	5.78	57	49164	0.508	ppbv	90
27) Carbon Disulfide	4.62	76	61192	0.509	ppbv #	84
28) Methyl tert-Butyl Ether	5.12	73	77969	0.479	ppbv	97
29) Chloroform	5.84	83	97332	0.550	ppbv	93
30) Cyclohexane	7.24	84	37551	0.457	ppbv	91
31) cis-1,2-Dichloroethene	5.63	61	44100	0.452	ppbv	96
32) 1,1,1-Trichloroethane	6.62	97	96487m	0.520	ppbv	
34) 2-Butanone	5.33	43	75407	0.486	ppbv	98
35) Carbon Tetrachloride	7.13	117	99898	0.497	ppbv	97
36) Benzene	7.00	78	104185	0.480	ppbv	96
37) 1,2-Dichloroethane	6.41	62	100647m	0.699	ppbv	
38) Trichloroethene	7.96	130	39050	0.453	ppbv #	78
39) 1,2-Dichloropropane	7.73	63	39144	0.481	ppbv	90
40) 1,4-Dioxane	7.98	88	15788m	0.483	ppbv	
41) Tetrahydrofuran	6.17	42	32570	0.391	ppbv	96
42) Bromodichloromethane	7.91	83	95114	0.487	ppbv	93
43) Methyl Methacrylate	8.14	69	34332m	0.420	ppbv	

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Manual Integrations
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Quant Time: May 06 14:21:44 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
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.98	57	172933	0.459	ppbv	# 92
45) t-1,3-Dichloropropene	9.41	75	35955	0.341	ppbv	# 79
46) cis-1,3-Dichloropropene	8.83	75	63467m	0.519	ppbv	
47) 1,1,2-Trichloroethane	9.61	97	44845	0.466	ppbv	96
48) Dibromochloromethane	10.44	129	68418m	0.424	ppbv	
49) Bromoform	13.19	173	55552	0.401	ppbv	99
50) 4-Methyl-2-Pentanone	8.88	43	105630m	0.435	ppbv	
51) 2-Hexanone	10.29	43	72458m	0.380	ppbv	
52) Tetrachloroethene	11.36	164	37133	0.452	ppbv	95
53) Toluene	9.94	91	88802	0.363	ppbv	100
54) 1,2-Dibromoethane	10.75	107	64885	0.452	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.27	131	55921	0.542	ppbv	# 1
57) Chlorobenzene	12.29	112	102539	0.558	ppbv	95
58) Ethyl Benzene	12.86	91	126944	0.429	ppbv	90
59) m/p-Xylene	13.14	91	240929m	0.946	ppbv	
60) o-Xylene	13.84	91	122260	0.477	ppbv	100
61) Styrene	13.69	104	65104m	0.370	ppbv	
62) Isopropylbenzene	14.82	105	165533	0.484	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.83	83	104482	0.538	ppbv	99
64) n-propylbenzene	15.72	120	41238m	0.464	ppbv	
65) tert-Butylbenzene	16.91	119	148495m	0.464	ppbv	
66) Benzyl Chloride	17.15	91	56642	0.384	ppbv	99
67) sec-Butylbenzene	17.45	105	210451	0.469	ppbv	100
69) p-Isopropyltoluene	17.81	119	166453m	0.446	ppbv	
70) n-Butylbenzene	18.71	91	180206	0.443	ppbv	96
71) 2-Chlorotoluene	15.61	91	112803	0.440	ppbv	100
72) 4-Ethyltoluene	15.99	105	131724	0.449	ppbv	# 97
73) 1,3,5-Trimethylbenzene	16.15	105	130926	0.455	ppbv	97
74) 1,2,4-Trimethylbenzene	16.92	105	162464	0.509	ppbv	95
75) 1,3-Dichlorobenzene	17.16	146	105960m	0.535	ppbv	
76) 1,4-Dichlorobenzene	17.30	146	92675	0.491	ppbv	97
77) 1,2-Dichlorobenzene	17.98	146	94501m	0.513	ppbv	
78) Hexachloro-1,3-Butadiene	23.53	225	81027	0.576	ppbv	98
79) Naphthalene	22.41	128	118324m	0.397	ppbv	
80) Naphthalene, 2-methyl-	25.11	142	32130	0.254	ppbv	96
81) 1,2,4-Trichlorobenzene	22.13	180	81102m	0.473	ppbv	

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

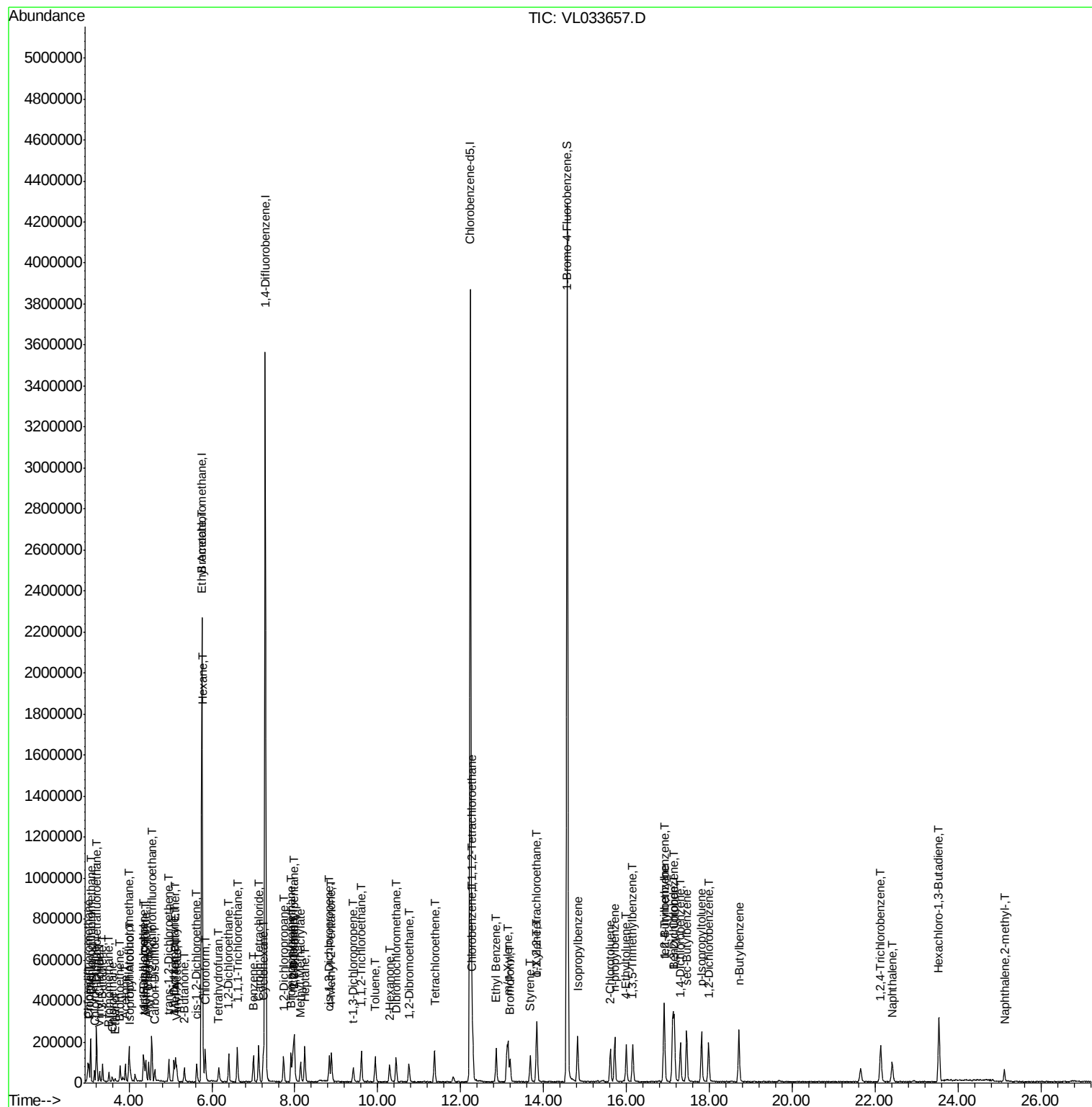
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL050619\
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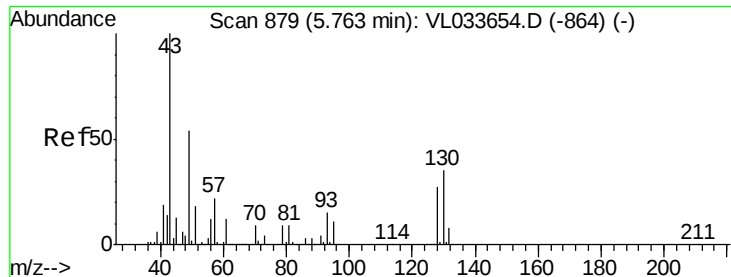
Instrument :
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ClientSampleId :
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon May
QLast Update : Mon May 06 12:00:34 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.75 min Scan# 876

Delta R.T. -0.01 min

Lab File: VL033657.D

Acq: 6 May 2019 12:54

Instrument :

MSVOA_L

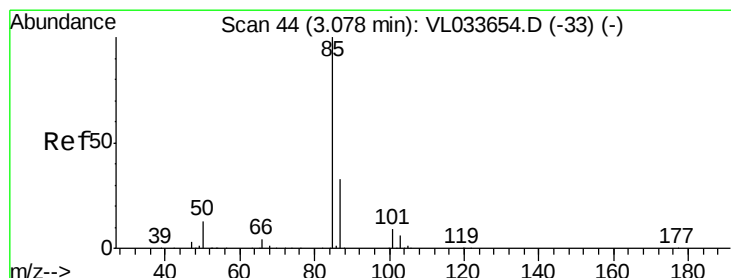
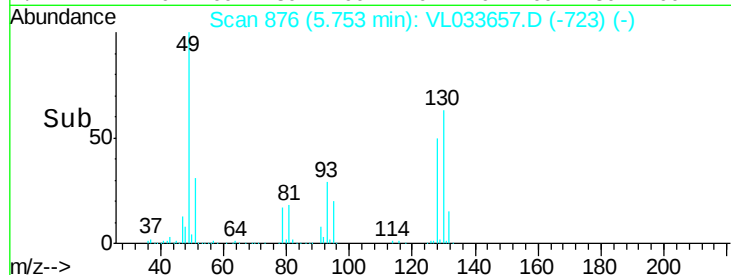
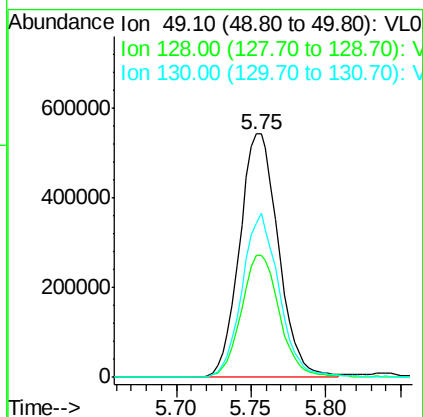
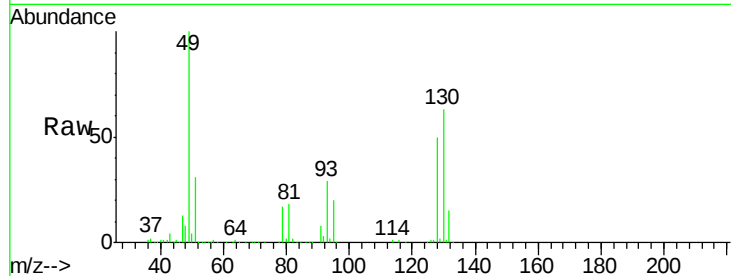
ClientSampleId :

VSTDIC0.5

Tot Ion:	49	Resp:	983113
Ion	Ratio	Lower	Upper
49	100		
128	49.3	24.8	74.4
130	64.5	32.1	96.5

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#2

Dichlorodifluoromethane

Concen: 0.855 ppbv

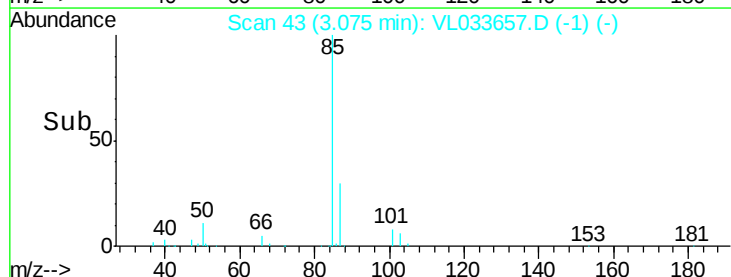
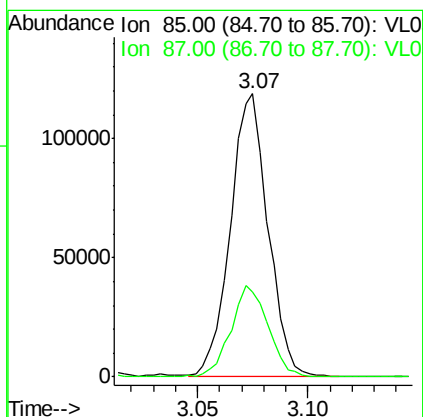
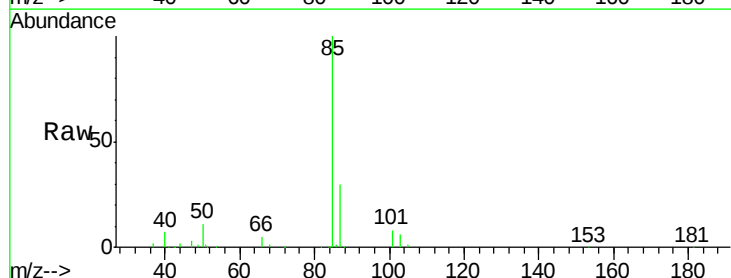
RT: 3.07 min Scan# 43

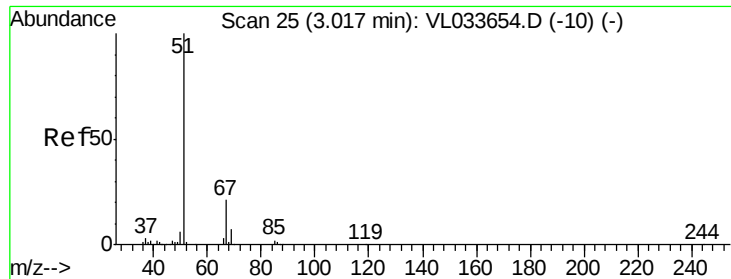
Delta R.T. -0.00 min

Lab File: VL033657.D

Acq: 6 May 2019 12:54

Tgt Ion:	85	Resp:	140167
Ion	Ratio	Lower	Upper
85	100		
87	30.0	26.0	39.0





#3

Chlorodifluoromethane

Concen: 0.695 ppbv

RT: 3.01 min Scan# 23

Delta R.T. -0.01 min

Lab File: VL033657.D

Acq: 6 May 2019 12:54

Tot Ion: 51 Resp: 82343

Ion Ratio Lower Upper

51 100

67 17.3 15.7 23.5

Instrument :

MSVOA_L

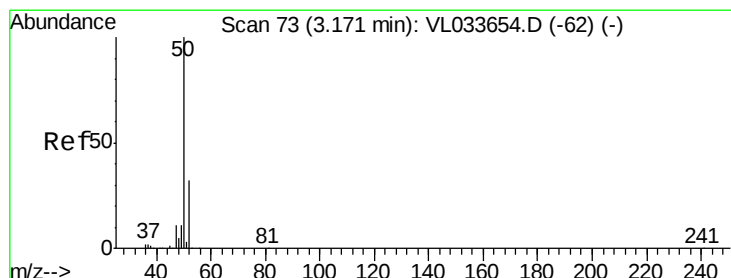
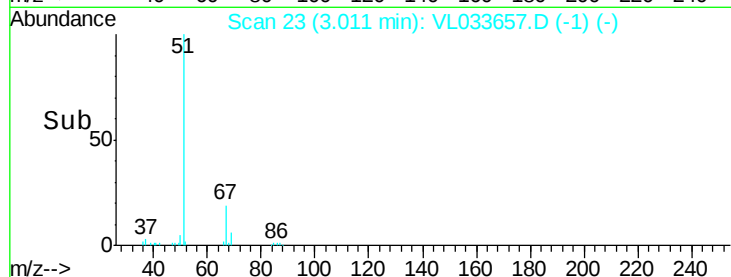
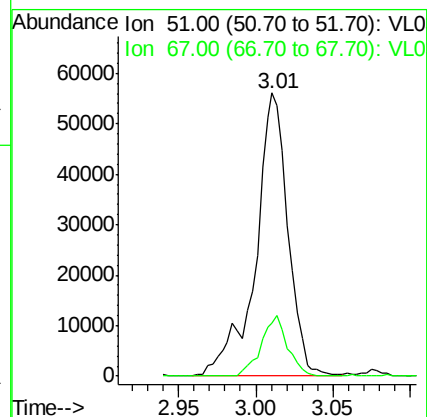
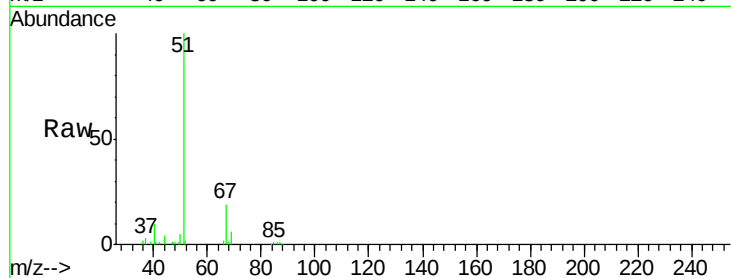
ClientSampleId :

VSTDIC0.5

Manual Integrations
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#4

Chloromethane

Concen: 0.600 ppbv

RT: 3.17 min Scan# 72

Delta R.T. -0.00 min

Lab File: VL033657.D

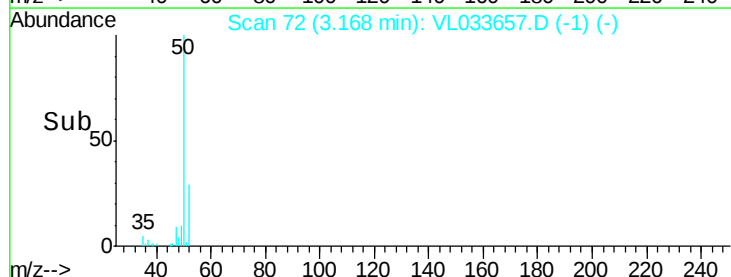
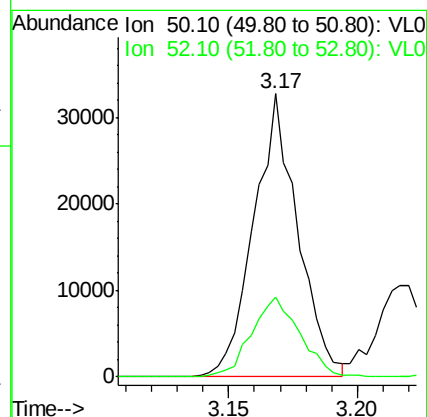
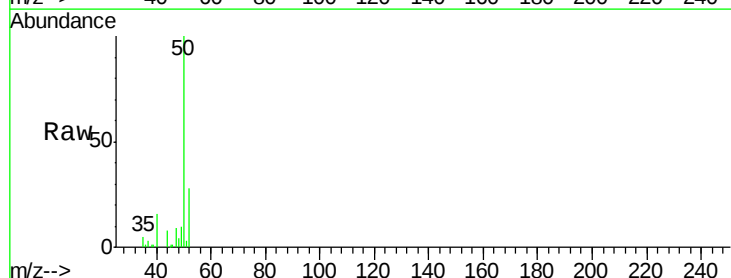
Acq: 6 May 2019 12:54

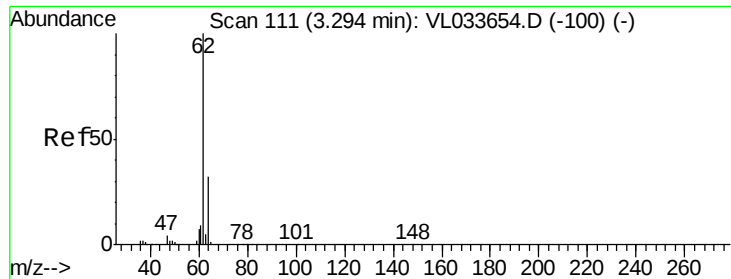
Tgt Ion: 50 Resp: 39172

Ion Ratio Lower Upper

50 100

52 28.4 25.8 38.8





#5

Vinyl Chloride

Concen: 0.528 ppbv

RT: 3.29 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL033657.D

Acq: 6 May 2019 12:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 62 Resp: 35890

Ion Ratio Lower Upper

62 100

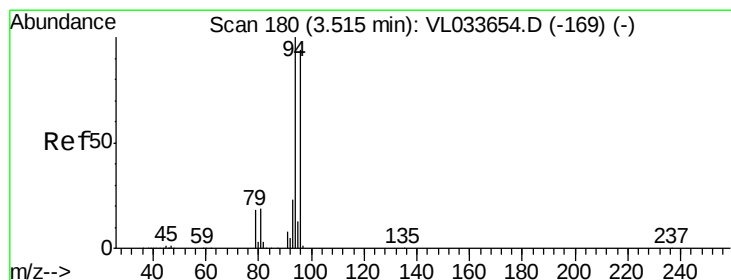
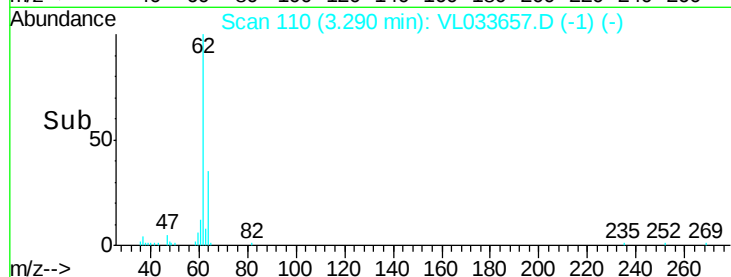
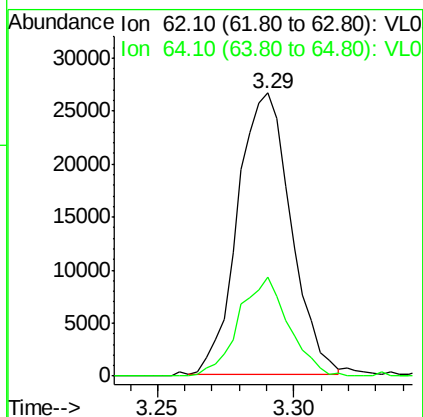
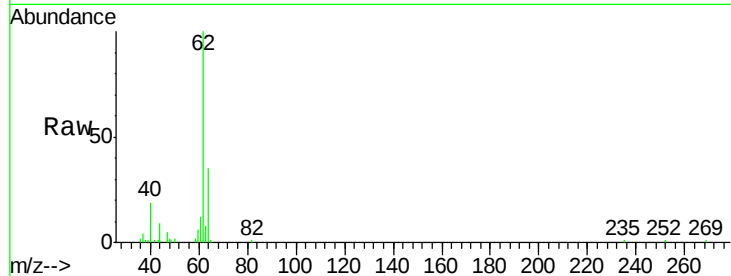
64 34.0 25.6 38.4

Manual Integrations

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5/8/2019 12:06:06 PM



#6

Bromomethane

Concen: 0.616 ppbv

RT: 3.51 min Scan# 179

Delta R.T. -0.00 min

Lab File: VL033657.D

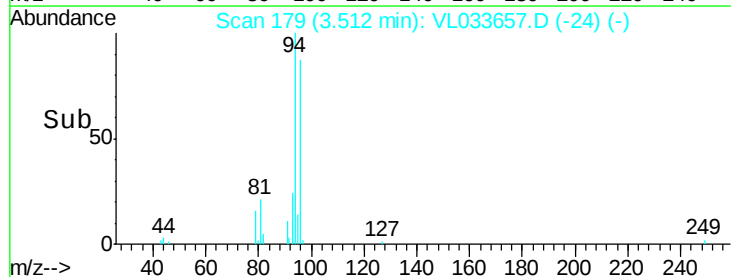
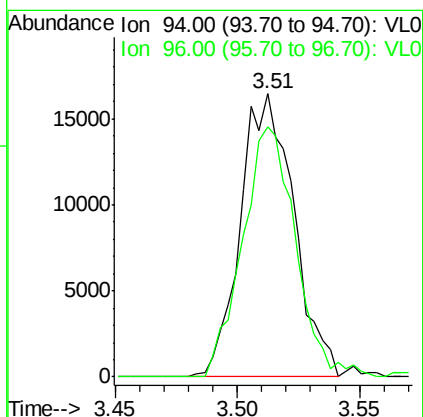
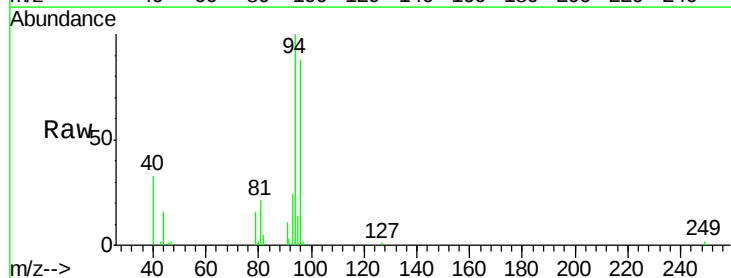
Acq: 6 May 2019 12:54

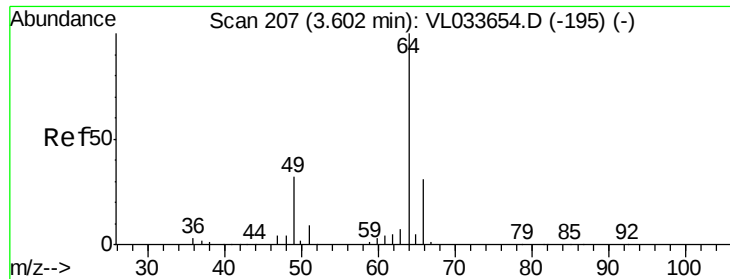
Tgt Ion: 94 Resp: 24865

Ion Ratio Lower Upper

94 100

96 88.5 75.2 112.8





#7

Chloroethane

Concen: 0.614 ppbv m

RT: 3.60 min Scan# 205

Delta R.T. -0.01 min

Lab File: VL033657.D

Acq: 6 May 2019 12:54

Tot Ion: 64 Resp: 13926

Ion Ratio Lower Upper

64 100

66 27.7 25.1 37.7

Instrument :

MSVOA_L

ClientSampleId :

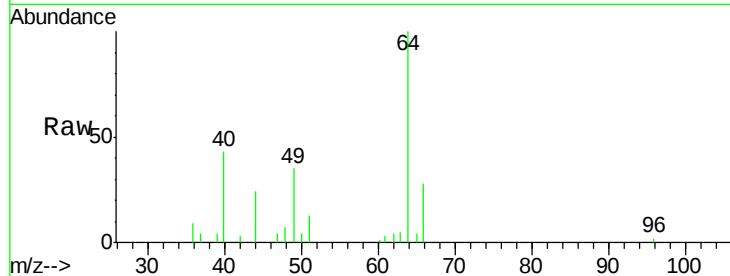
VSTDIC0.5

Manual Integrations

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5/8/2019 12:06:06 PM



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

12000

10000

8000

6000

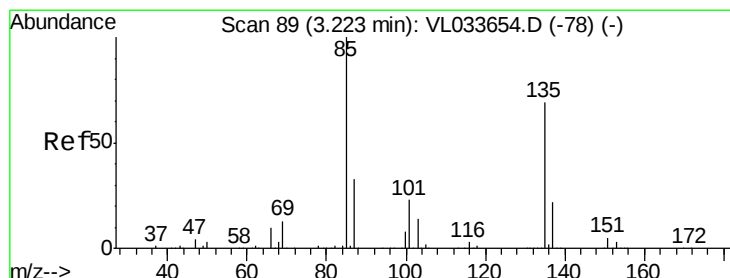
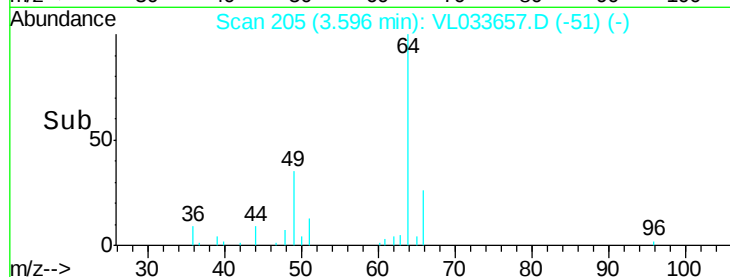
4000

2000

0

3.55 3.60 3.65

Time-->



#8

Dichlorotetrafluoroethane

Concen: 0.593 ppbv

RT: 3.22 min Scan# 87

Delta R.T. -0.01 min

Lab File: VL033657.D

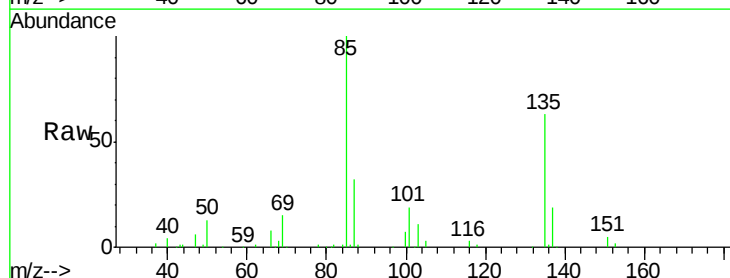
Acq: 6 May 2019 12:54

Tgt Ion: 85 Resp: 98074

Ion Ratio Lower Upper

85 100

135 68.9 54.3 81.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

80000

60000

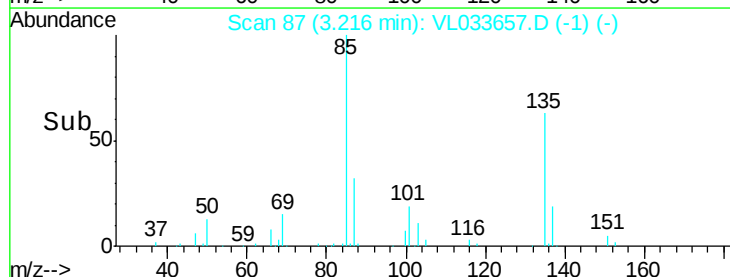
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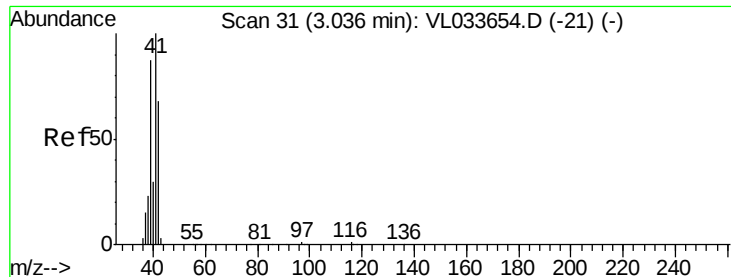
20000

0

3.20 3.22 3.25

Time-->





#9

Propene

Concen: 0.689 ppbv

RT: 3.03 min Scan# 30

Delta R.T. -0.00 min

Lab File: VL033657.D

Acq: 6 May 2019 12:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 41 Resp: 28428

Ion Ratio Lower Upper

41 100

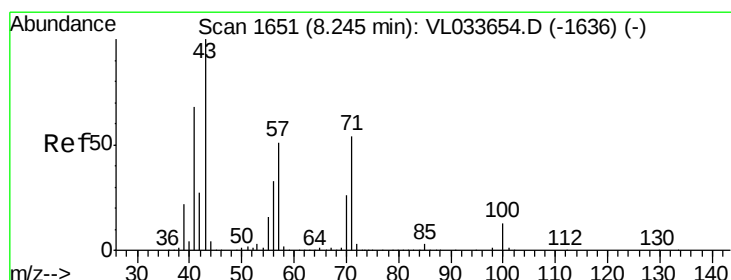
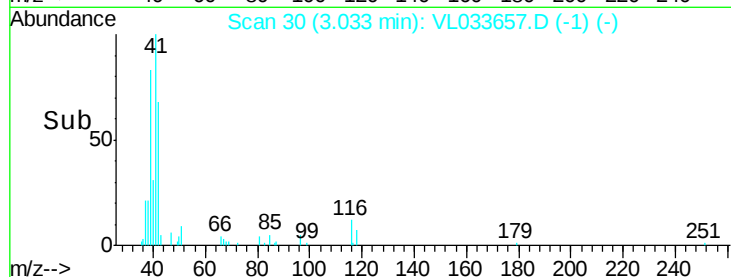
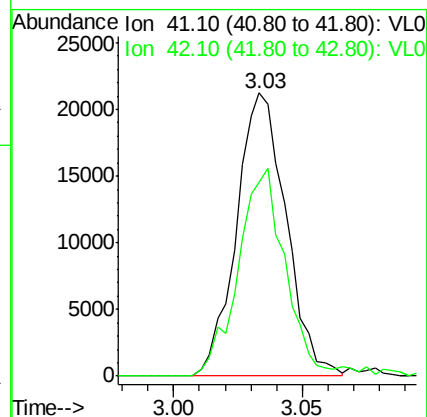
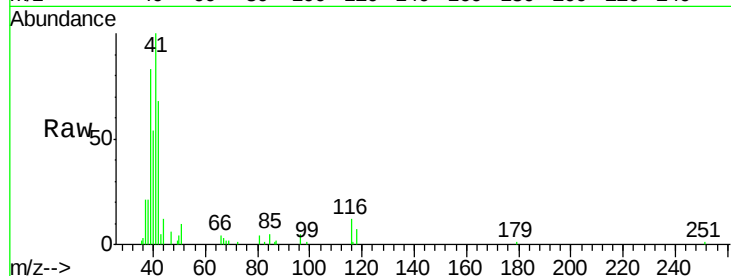
42 71.7 55.6 83.4

Manual Integrations

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5/8/2019 12:06:06 PM



#10

Heptane

Concen: 0.473 ppbv

RT: 8.24 min Scan# 1649

Delta R.T. -0.01 min

Lab File: VL033657.D

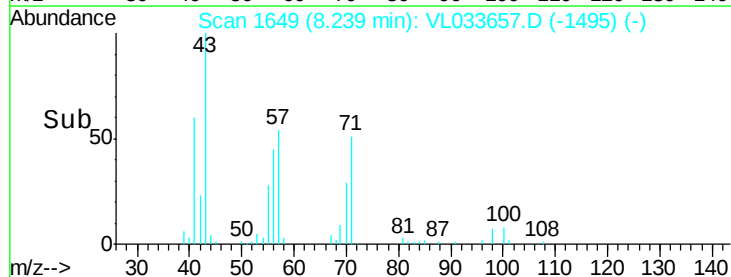
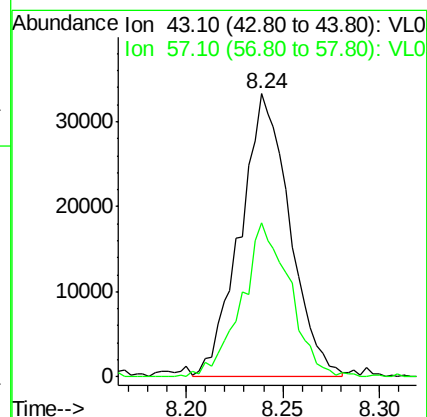
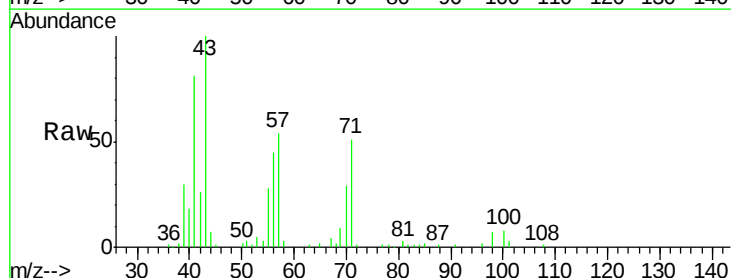
Acq: 6 May 2019 12:54

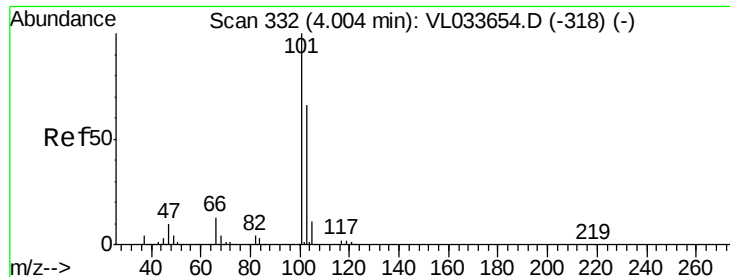
Tgt Ion: 43 Resp: 59365

Ion Ratio Lower Upper

43 100

57 53.0 41.8 62.6





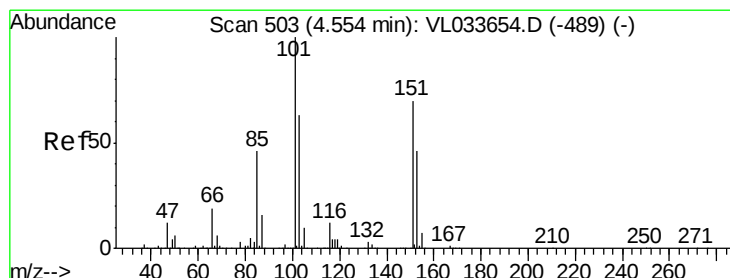
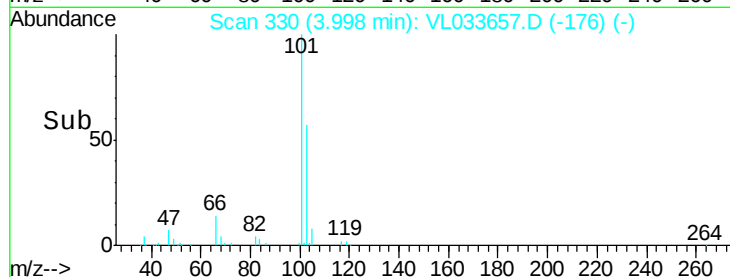
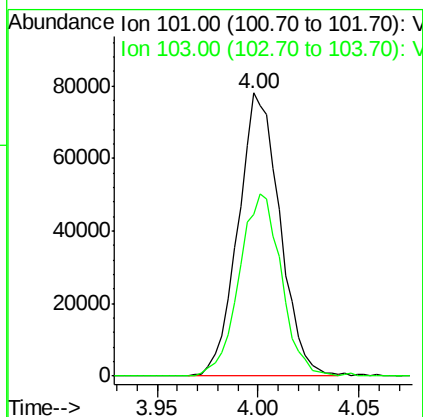
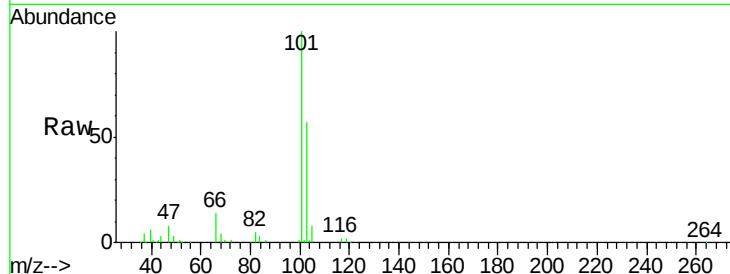
#11
 Trichlorofluoromethane
 Concen: 0.623 ppbv
 RT: 4.00 min Scan# 330
 Delta R.T. -0.01 min
 Lab File: VL033657.D
 Acq: 6 May 2019 12:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion:101 Resp: 113573
 Ion Ratio Lower Upper
 101 100
 103 56.6 52.7 79.1

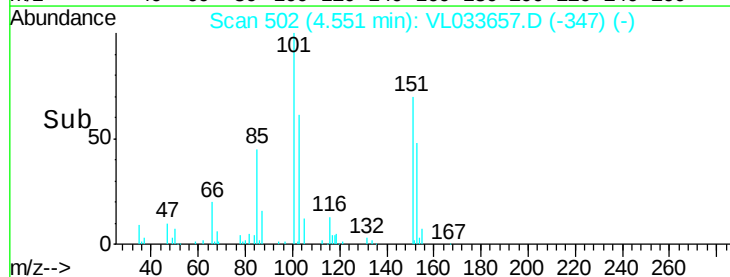
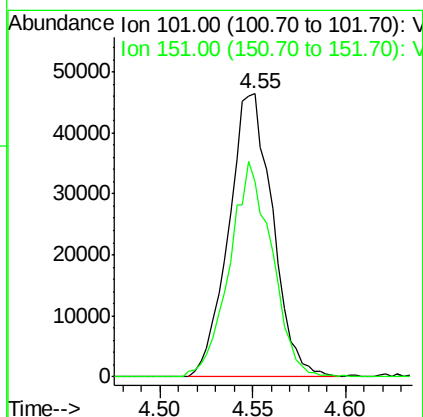
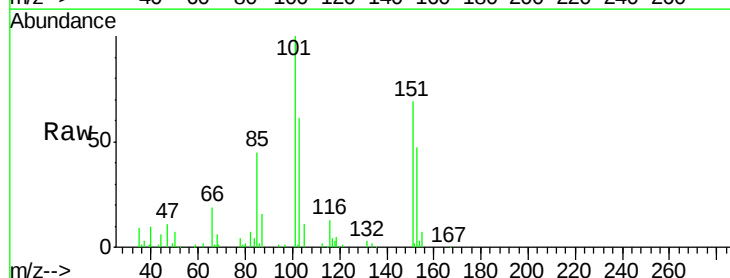
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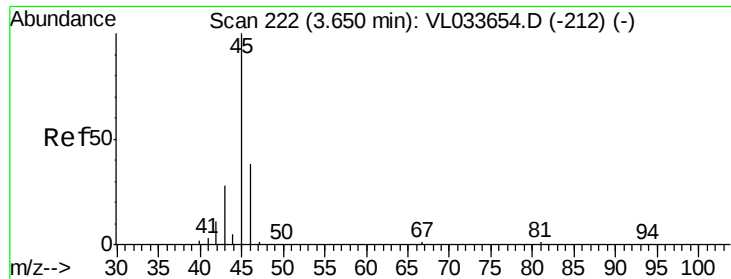
MMDadoda
 5/8/2019 12:06:06 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.611 ppbv
 RT: 4.55 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VL033657.D
 Acq: 6 May 2019 12:54

Tgt Ion:101 Resp: 76510
 Ion Ratio Lower Upper
 101 100
 151 73.0 58.0 87.0





#13

Ethanol

Concen: 0.729 ppbv m

RT: 3.65 min Scan# 223

Delta R.T. 0.00 min

Lab File: VL033657.D

Acq: 6 May 2019 12:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 45 Resp: 11109

Ion Ratio Lower Upper

45 100

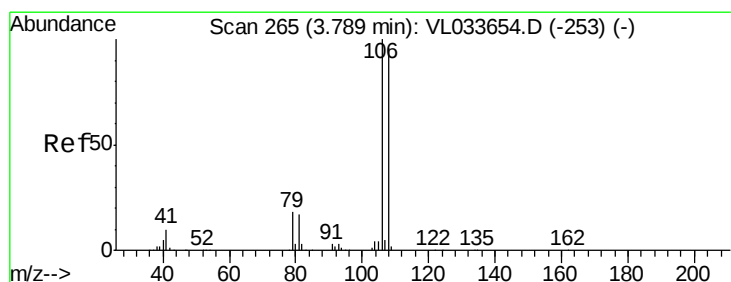
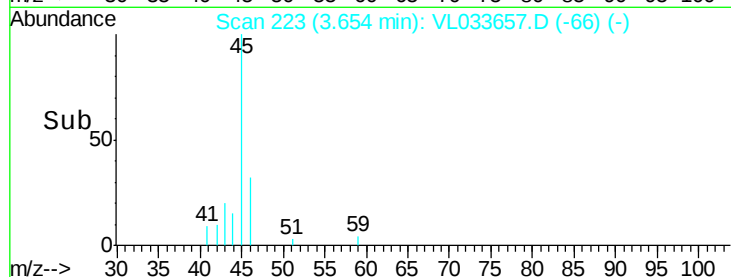
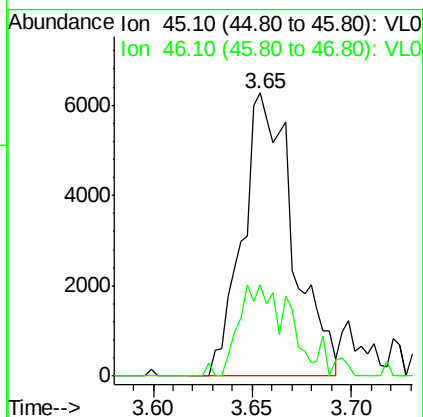
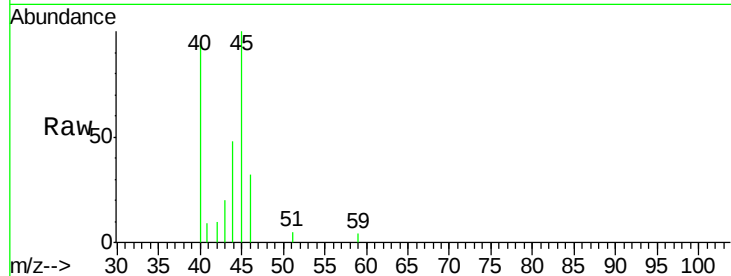
46 34.7 14.9 59.7

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#14

Bromoethene

Concen: 0.553 ppbv

RT: 3.78 min Scan# 263

Delta R.T. -0.01 min

Lab File: VL033657.D

Acq: 6 May 2019 12:54

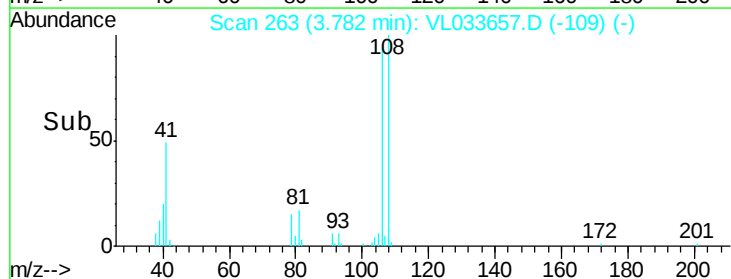
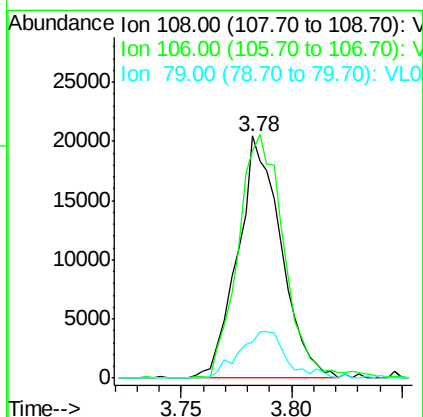
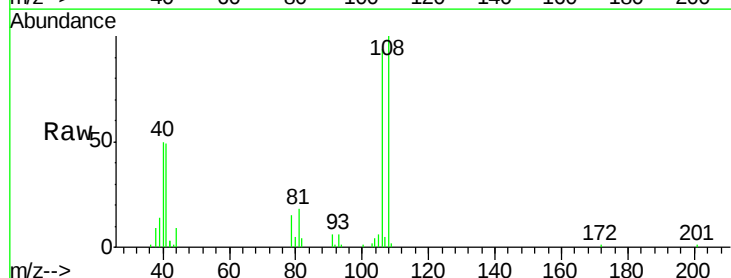
Tgt Ion: 108 Resp: 28062

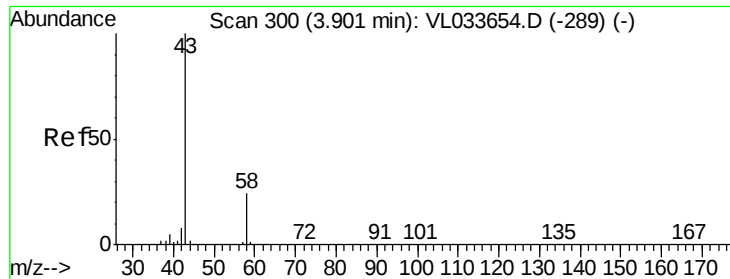
Ion Ratio Lower Upper

108 100

106 106.6 85.8 128.6

79 21.6 15.2 22.8





#15

Acetone

Concen: 0.651 ppbv

RT: 3.91 min Scan# 302

Delta R.T. 0.01 min

Lab File: VL033657.D

Acq: 6 May 2019 12:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 43 Resp: 80538

Ion Ratio Lower Upper

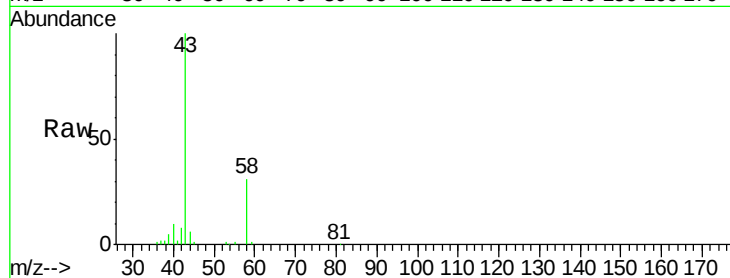
43 100

58 28.5 20.9 31.3

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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.91

60000

50000

40000

30000

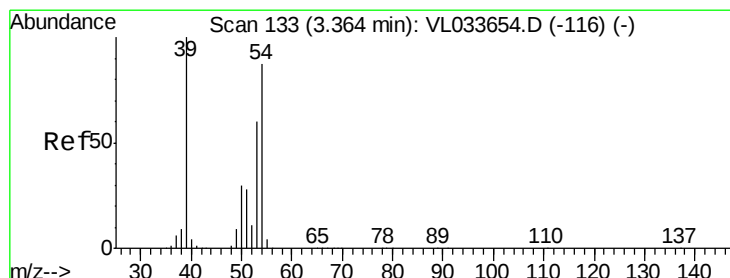
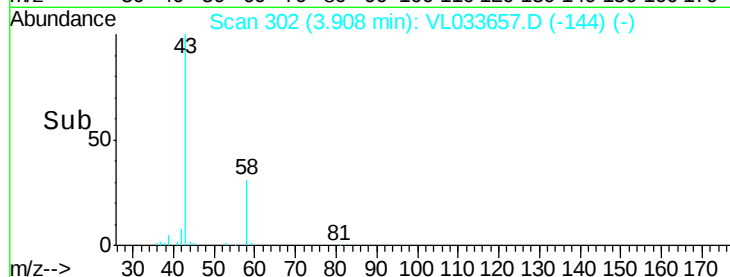
20000

10000

0

Time-->

3.85 3.90 3.95



#16

1,3-Butadiene

Concen: 0.552 ppbv

RT: 3.36 min Scan# 132

Delta R.T. -0.00 min

Lab File: VL033657.D

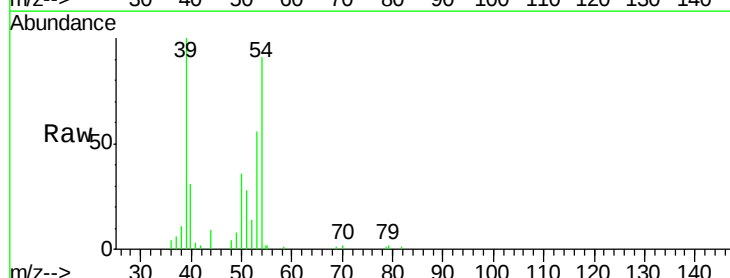
Acq: 6 May 2019 12:54

Tgt Ion: 39 Resp: 30423

Ion Ratio Lower Upper

39 100

54 87.8 67.0 100.4



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.36

25000

20000

15000

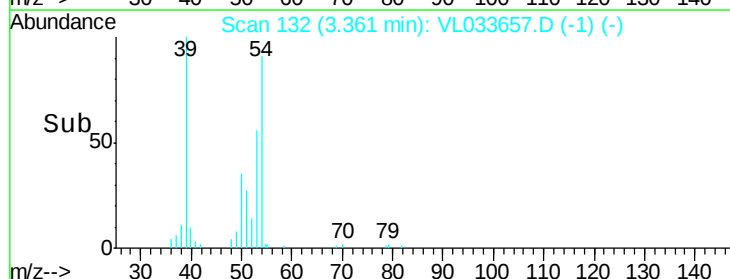
10000

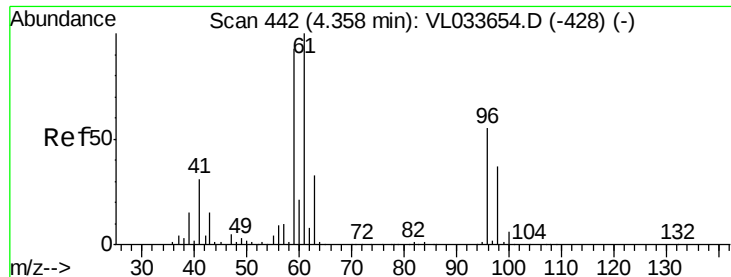
5000

0

Time-->

3.35 3.40





#17

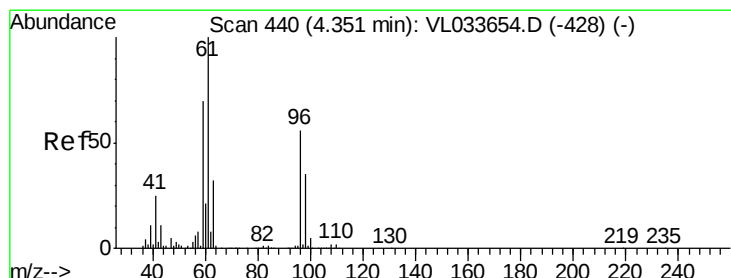
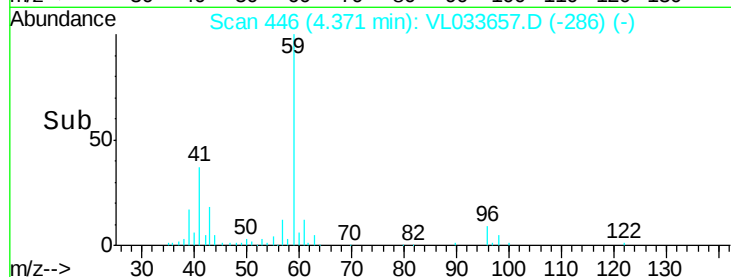
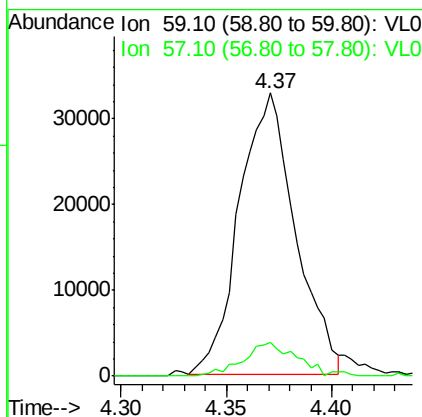
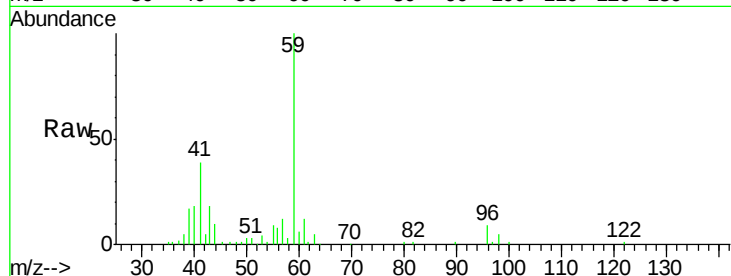
tert-Butyl alcohol
Concen: 0.582 ppbv
RT: 4.37 min Scan# 446
Delta R.T. 0.01 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	59	Resp	60604
Ion Ratio	Lower	Upper	
59	100		
57	11.7	8.4	12.6

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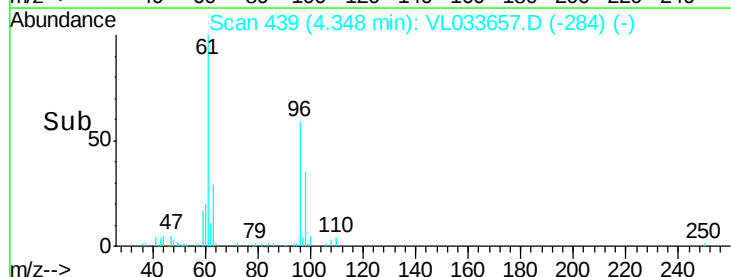
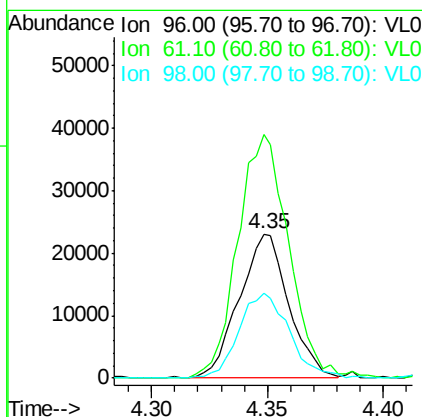
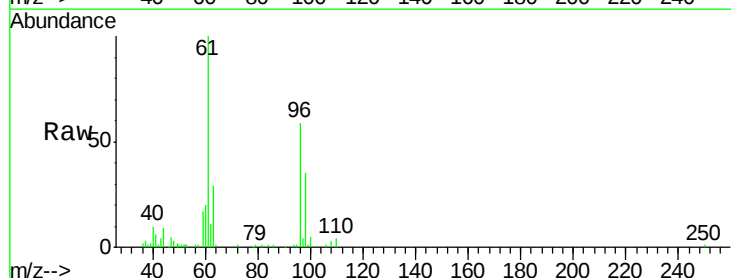
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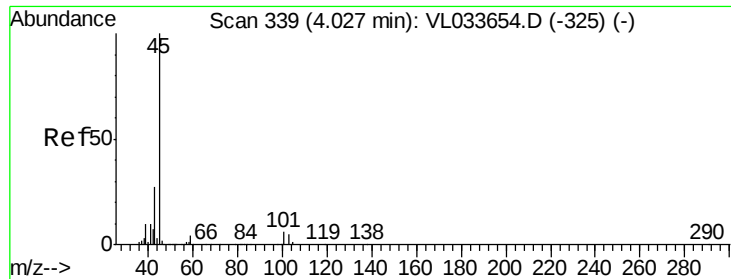


#18

1,1-Dichloroethene
Concen: 0.631 ppbv
RT: 4.35 min Scan# 439
Delta R.T. -0.00 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Tgt Ion	96	Resp	34316
Ion Ratio	Lower	Upper	
96	100		
61	168.7	143.4	215.0
98	59.2	50.4	75.6





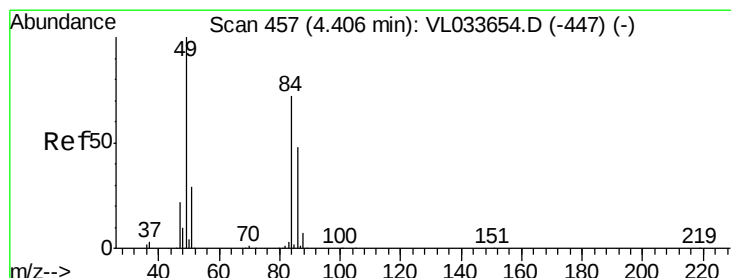
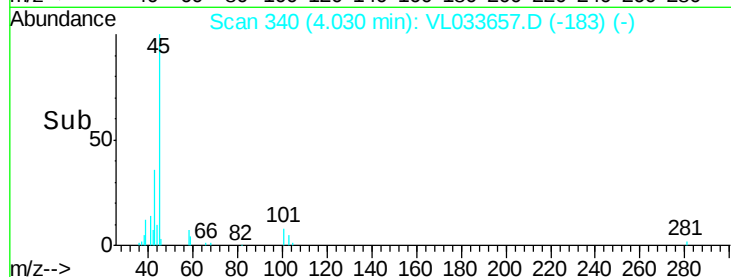
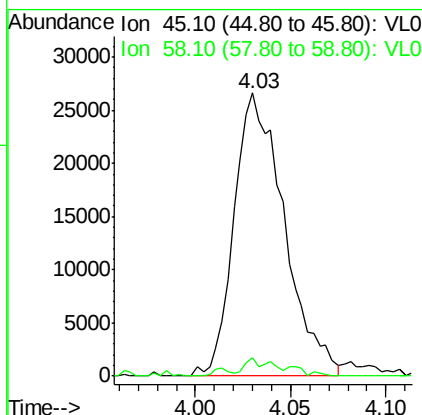
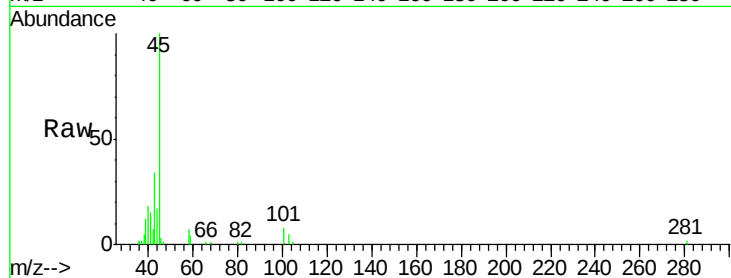
#19
Isopropyl Alcohol
Concen: 0.589 ppbv m
RT: 4.03 min Scan# 340
Delta R.T. 0.00 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	45	Resp	48695
Ion Ratio	100	Lower	Upper
58	5.5	1.9	2.9#

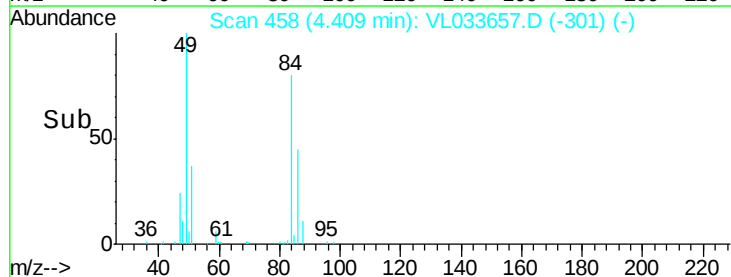
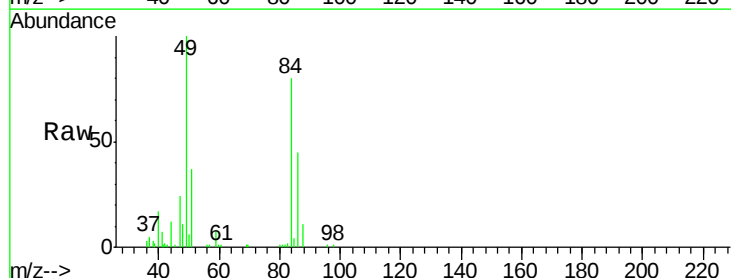
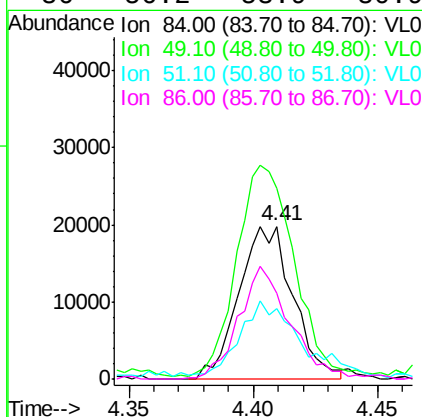
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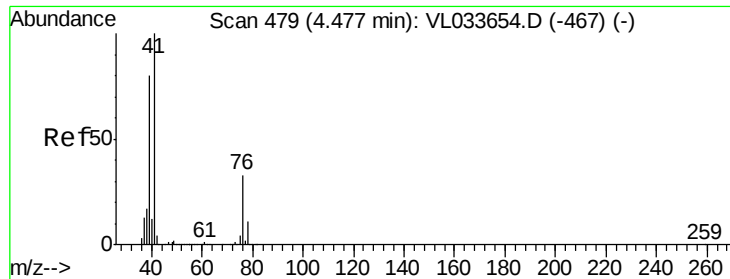
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#20
Methylene Chloride
Concen: 0.619 ppbv m
RT: 4.41 min Scan# 458
Delta R.T. 0.00 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Tgt Ion	84	Resp	29954
Ion Ratio	100	Lower	Upper
49	124.9	111.8	167.6
51	46.2	32.3	48.5
86	56.2	53.9	80.9





#21

Allvl Chloride

Concen: 0.575 ppbv

RT: 4.47 min Scan# 478

Delta R.T. -0.00 min

Lab File: VL033657.D

Acq: 6 May 2019 12:54

Instrument :

MSVOA_L

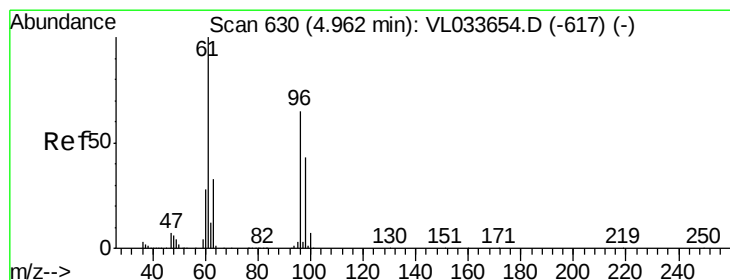
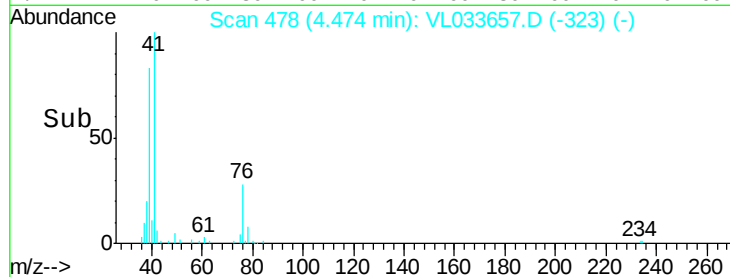
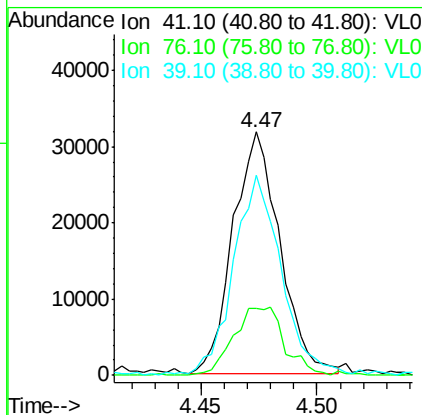
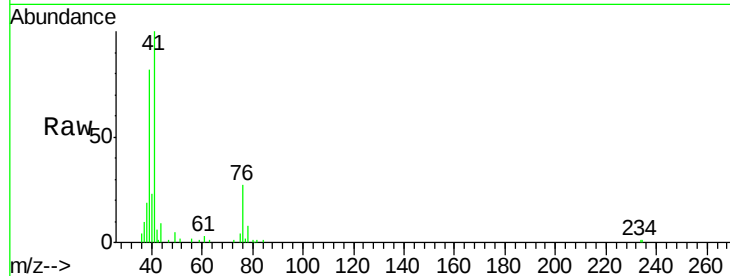
ClientSampleId :

VSTDIC0.5

Tot Ion:	41	Resp:	44563
Ion	Ratio	Lower	Upper
41	100		
76	31.0	26.0	39.0
39	86.6	64.4	96.6

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#22

trans-1,2-Dichloroethene

Concen: 0.594 ppbv

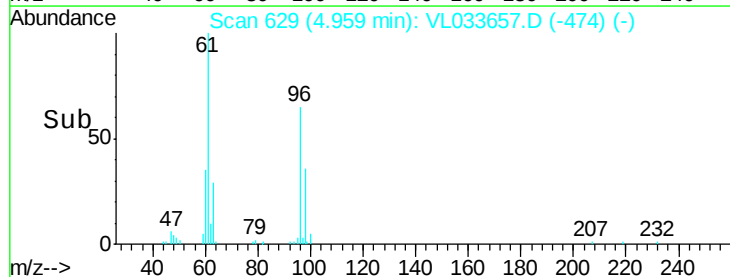
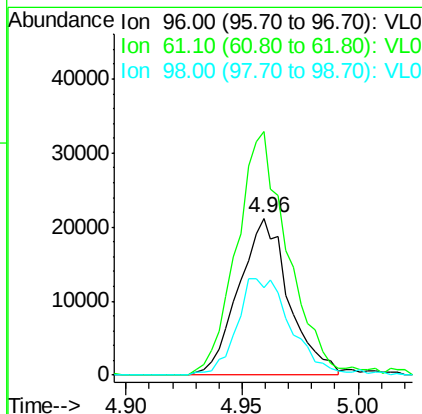
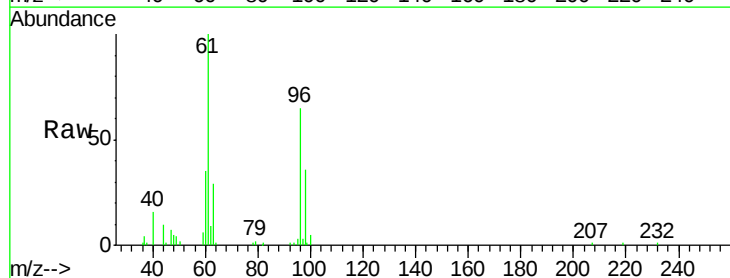
RT: 4.96 min Scan# 629

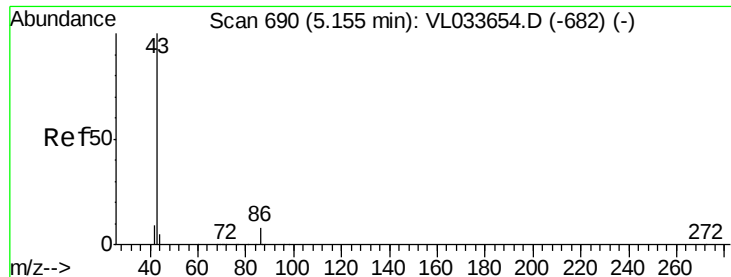
Delta R.T. -0.00 min

Lab File: VL033657.D

Acq: 6 May 2019 12:54

Tgt Ion:	96	Resp:	31902
Ion	Ratio	Lower	Upper
96	100		
61	154.9	123.1	184.7
98	57.3	52.6	79.0





#23

Vinyl Acetate

Concen: 0.455 ppbv

RT: 5.15 min Scan# 689

Delta R.T. -0.00 min

Lab File: VL033657.D

Acq: 6 May 2019 12:54

Instrument :

MSVOA_L

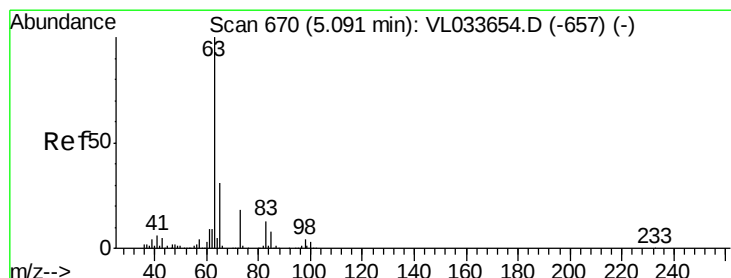
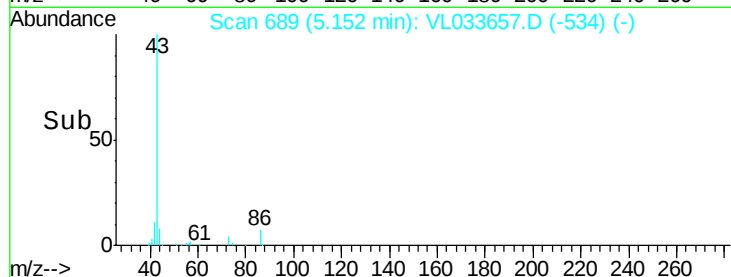
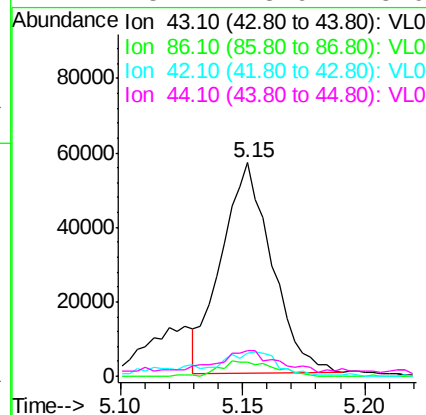
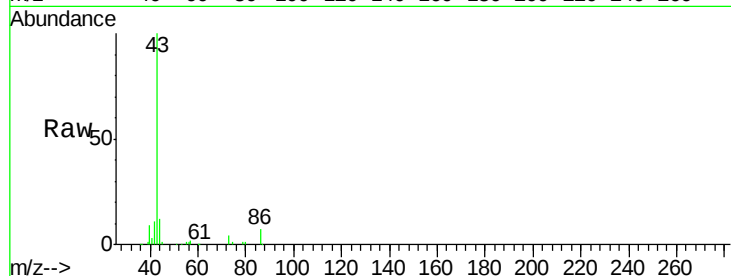
ClientSampleId :

VSTDIC0.5

Tot Ion:	43	Resp:	81680
Ion	Ratio	Lower	Upper
43	100		
86	6.8	6.0	9.0
42	10.4	8.0	12.0
44	8.2	3.9	5.9#

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#24

1,1-Dichloroethane

Concen: 0.562 ppbv

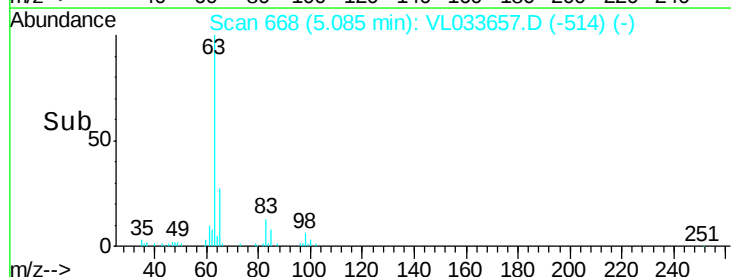
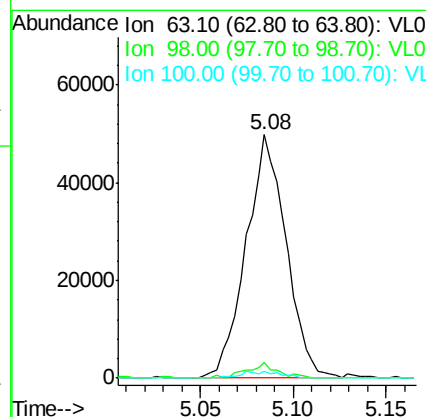
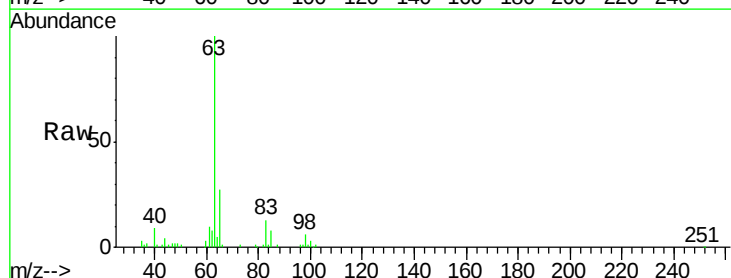
RT: 5.08 min Scan# 668

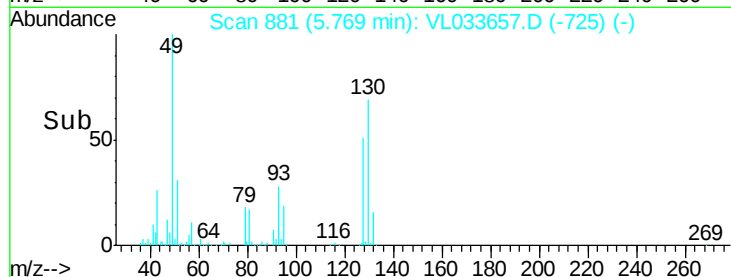
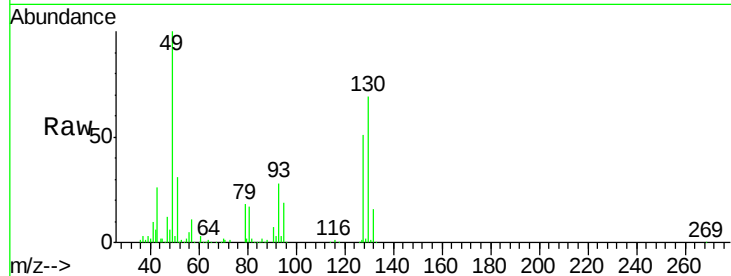
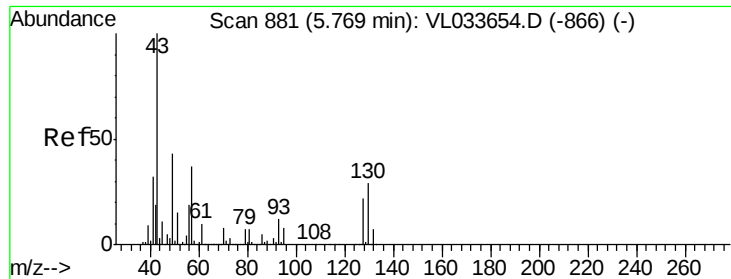
Delta R.T. -0.01 min

Lab File: VL033657.D

Acq: 6 May 2019 12:54

Tgt Ion:	63	Resp:	75365
Ion	Ratio	Lower	Upper
63	100		
98	6.3	2.1	6.2#
100	3.0	1.5	4.4





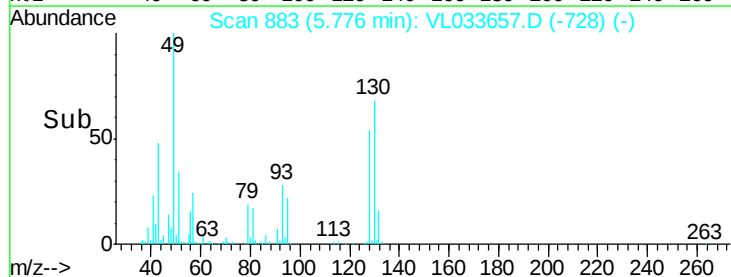
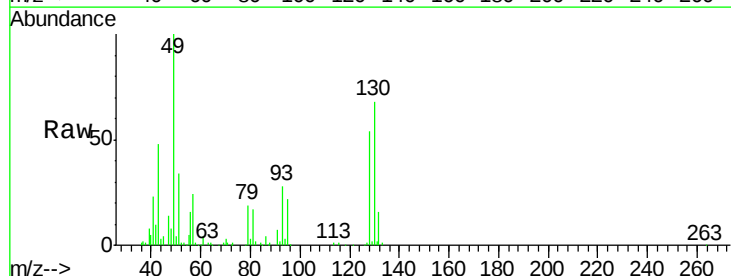
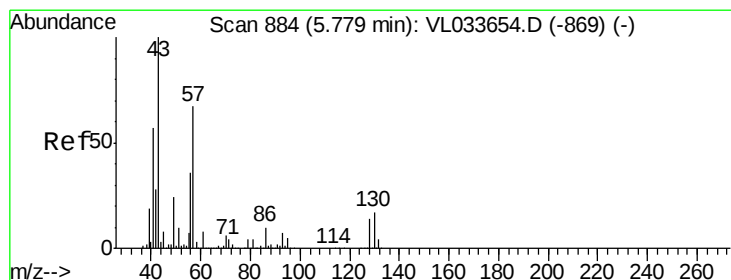
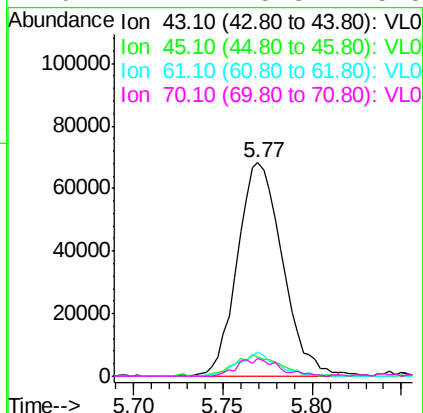
#25
Ethyl Acetate
Concen: 0.524 ppbv
RT: 5.77 min Scan# 881
Delta R.T. 0.00 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100				
45	10.4	8.0	12.0		
61	9.7	7.5	11.3		
70	7.7	5.8	8.8		

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

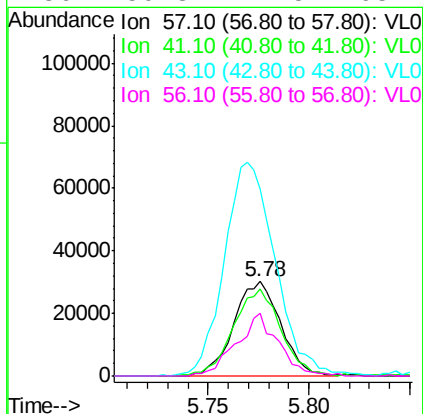
Manual Integrations
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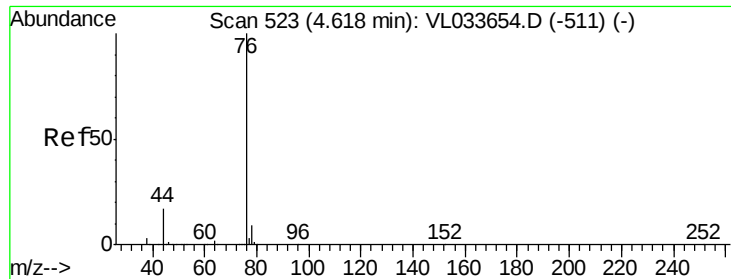
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#26
Hexane
Concen: 0.508 ppbv
RT: 5.78 min Scan# 883
Delta R.T. -0.00 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
57	100				
41	94.8	69.7	104.5		
43	245.8	181.9	272.9		
56	59.3	42.5	63.7		





#27

Carbon Disulfide

Concen: 0.509 ppbv

RT: 4.62 min Scan# 523

Delta R.T. 0.00 min

Lab File: VL033657.D

Acq: 6 May 2019 12:54

Instrument :

MSVOA_L

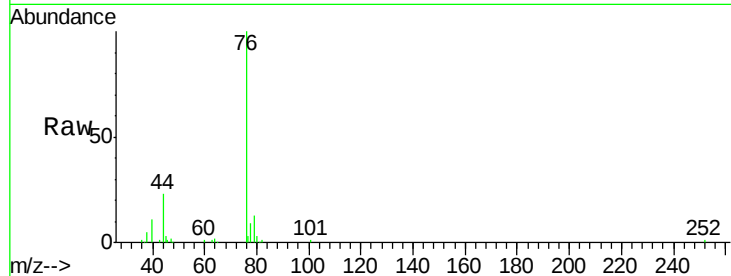
ClientSampleId :

VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
76	100		
44	27.7	14.4	21.6#
78	10.9	7.4	11.2

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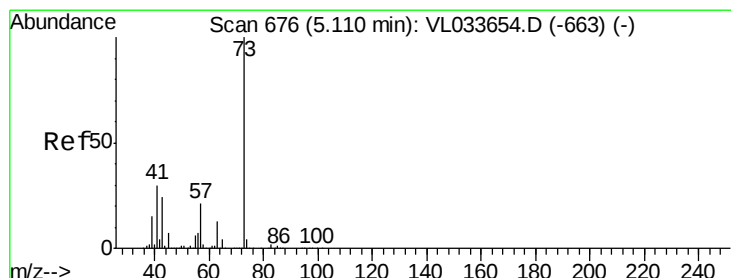
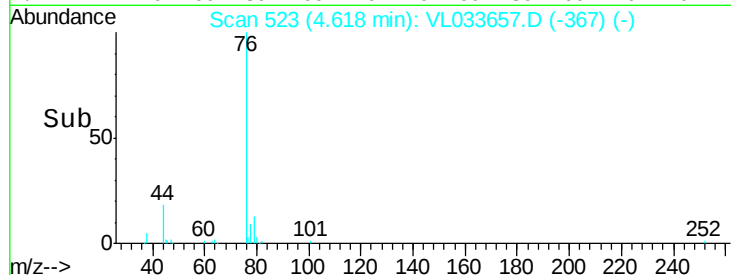
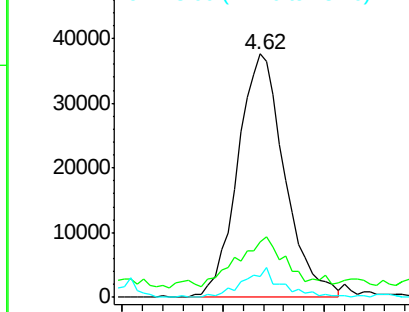


Abundance

Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 0.479 ppbv

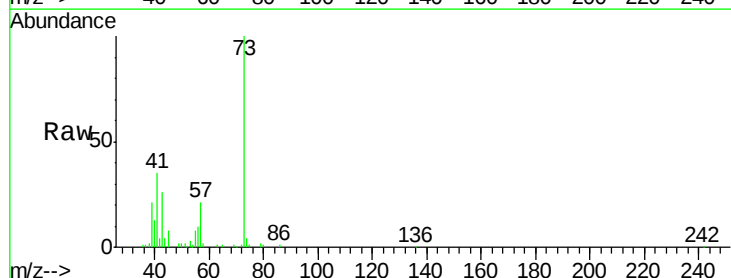
RT: 5.12 min Scan# 680

Delta R.T. 0.01 min

Lab File: VL033657.D

Acq: 6 May 2019 12:54

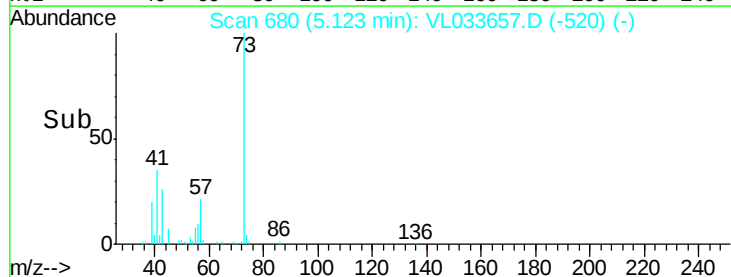
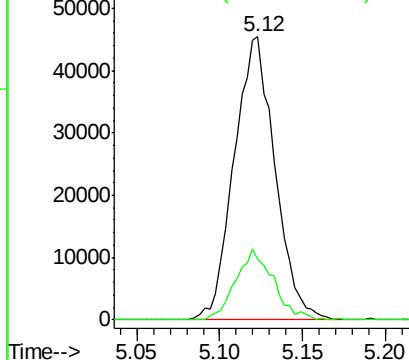
Tgt Ion	Ratio	Lower	Upper
73	100		
57	23.0	17.4	26.0

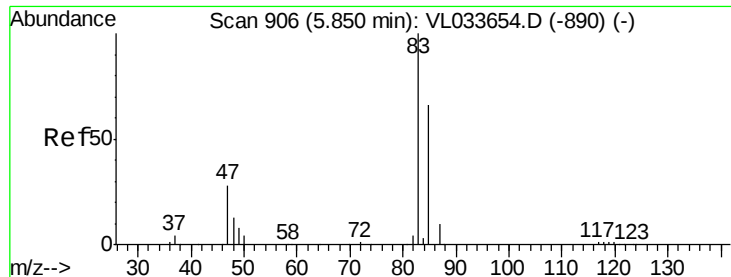


Abundance

Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





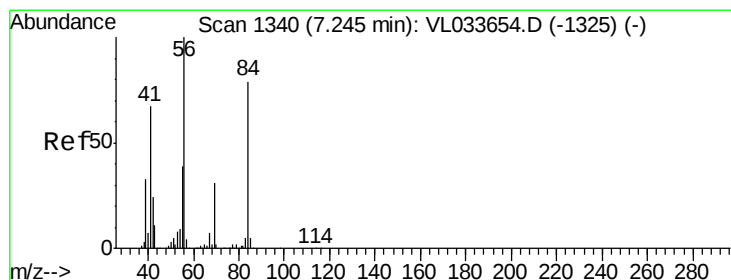
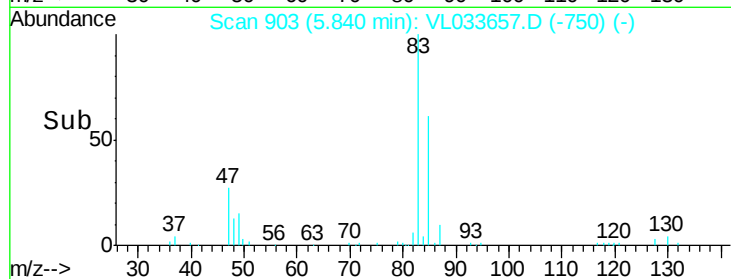
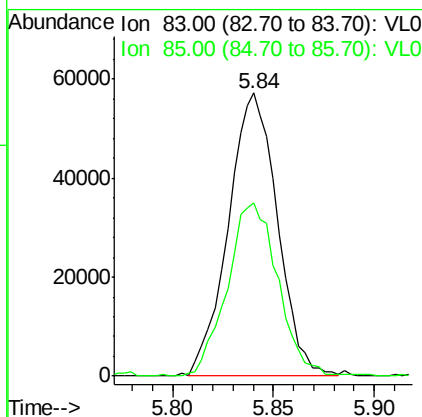
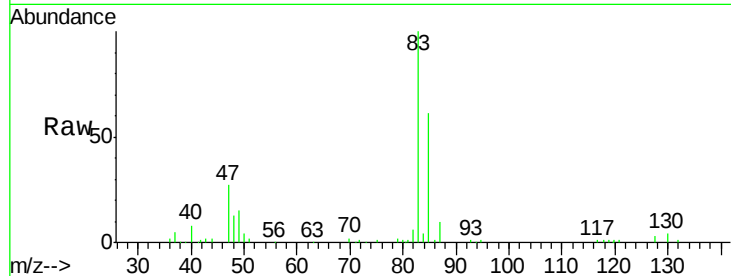
#29
Chloroform
Concen: 0.550 ppbv
RT: 5.84 min Scan# 903
Delta R.T. -0.01 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	83	Resp	97332
Ion Ratio	100	Lower	Upper
85	60.5	52.6	78.8

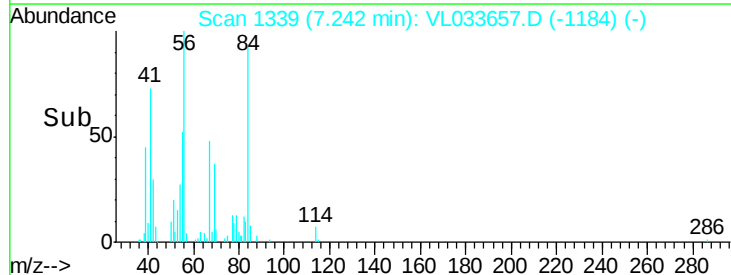
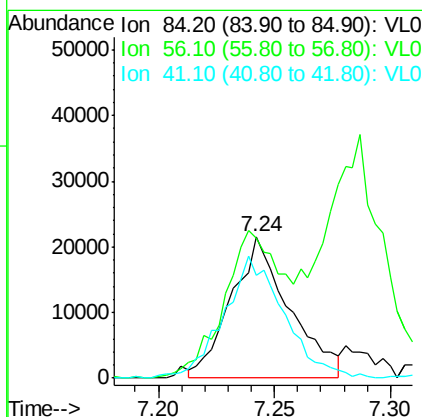
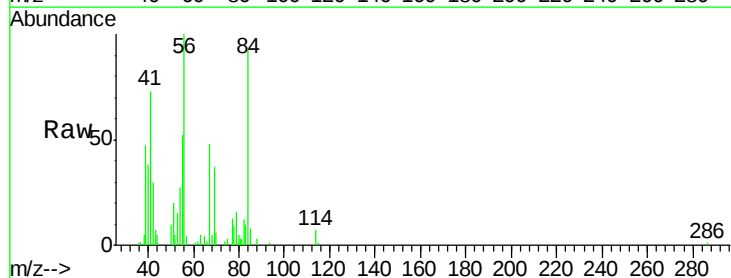
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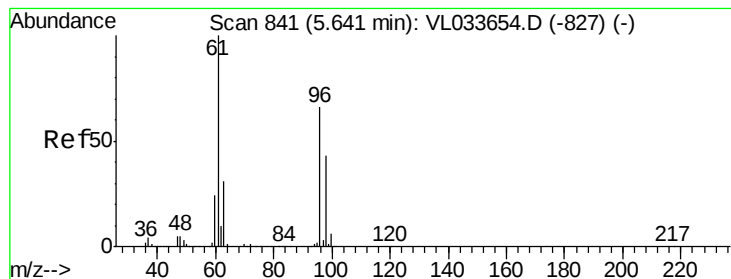
MMDadoda
5/8/2019 12:06:06 PM



#30
Cyclohexane
Concen: 0.457 ppbv
RT: 7.24 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Tgt Ion	84	Resp	37551
Ion Ratio	100	Lower	Upper
56	122.0	107.0	160.4
41	90.2	66.6	99.8





#31

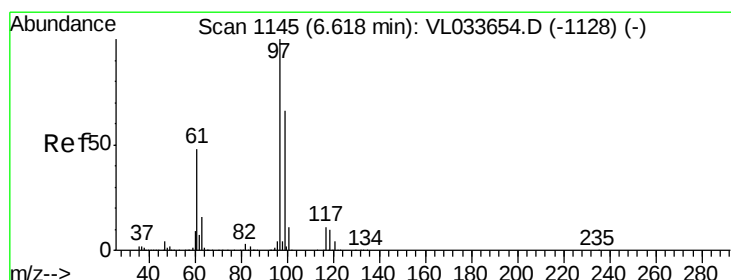
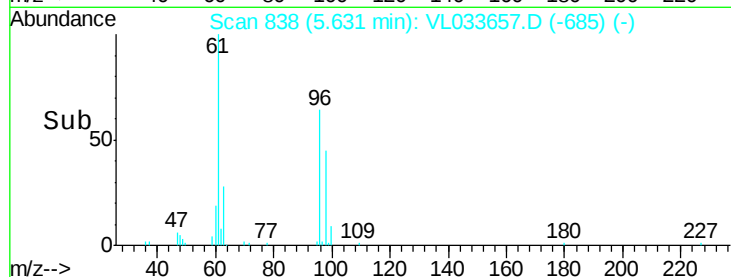
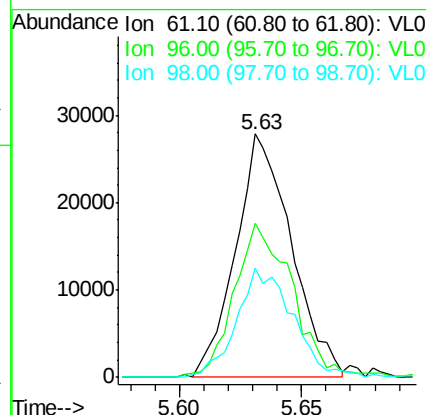
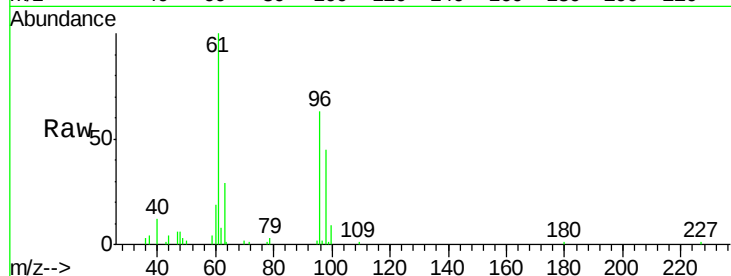
cis-1,2-Dichloroethene
 Concen: 0.452 ppbv
 RT: 5.63 min Scan# 838
 Delta R.T. -0.01 min
 Lab File: VL033657.D
 Acq: 6 May 2019 12:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
61	100		
96	63.1	53.2	79.8
98	44.7	34.2	51.4

Manual Integrations
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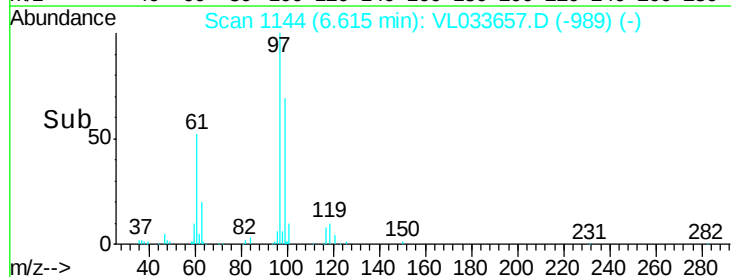
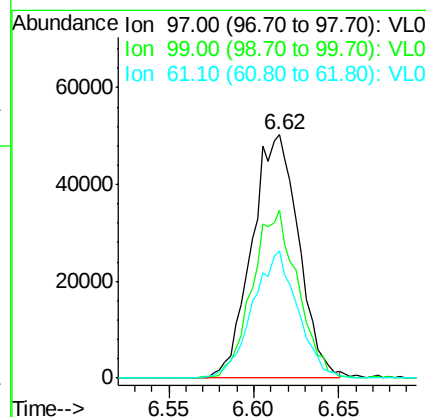
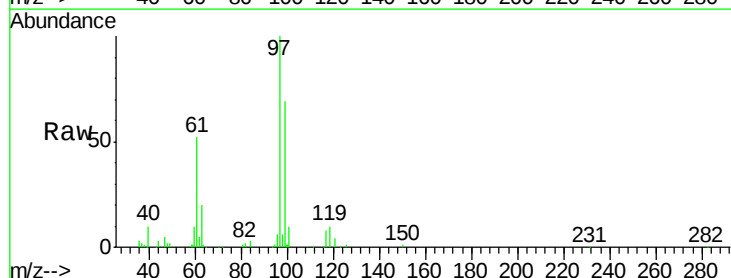
MMDadoda
 5/8/2019 12:06:06 PM

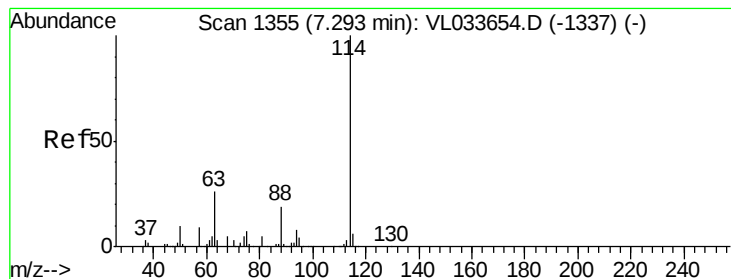


#32

1,1,1-Trichloroethane
 Concen: 0.520 ppbv m
 RT: 6.62 min Scan# 1144
 Delta R.T. -0.00 min
 Lab File: VL033657.D
 Acq: 6 May 2019 12:54

Tgt Ion	Ratio	Lower	Upper
97	100		
99	67.0	51.5	77.3
61	50.1	38.5	57.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.28 min Scan# 1352

Delta R.T. -0.01 min

Lab File: VL033657.D

Acq: 6 May 2019 12:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion:114 Resp: 2505902

Ion Ratio Lower Upper

114 100

63 26.3 21.2 31.8

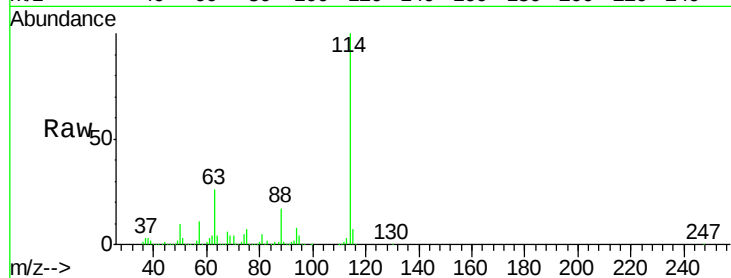
88 18.2 14.4 21.6

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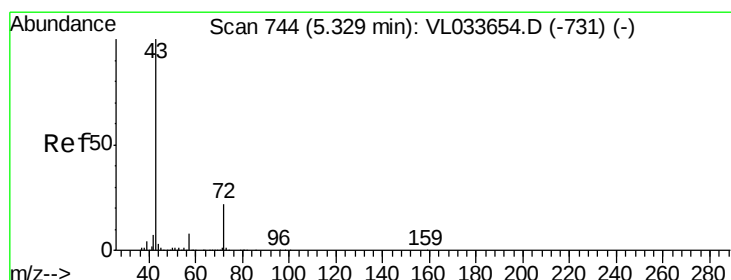
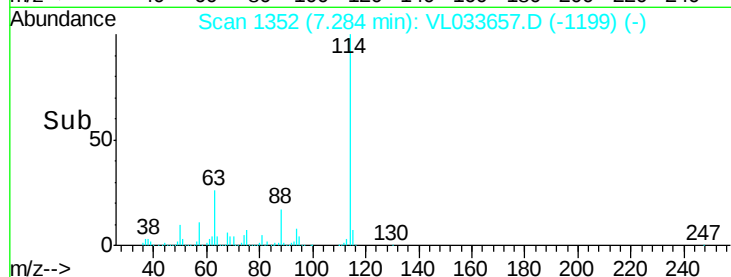
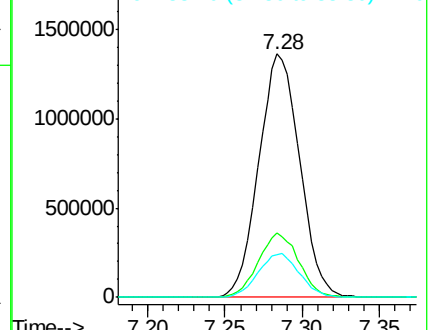
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Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 0.486 ppbv

RT: 5.33 min Scan# 745

Delta R.T. 0.00 min

Lab File: VL033657.D

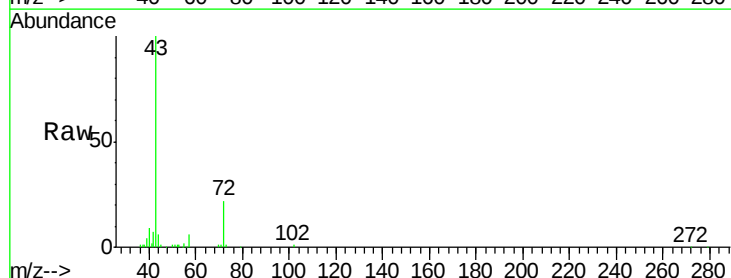
Acq: 6 May 2019 12:54

Tgt Ion: 43 Resp: 75407

Ion Ratio Lower Upper

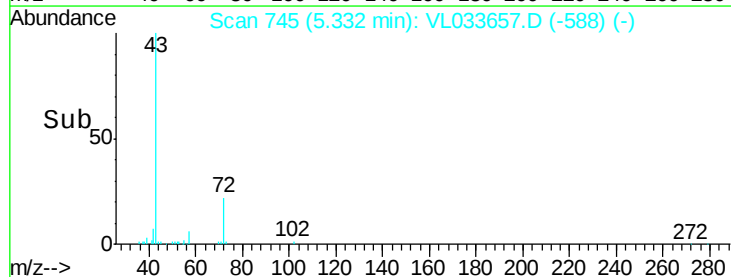
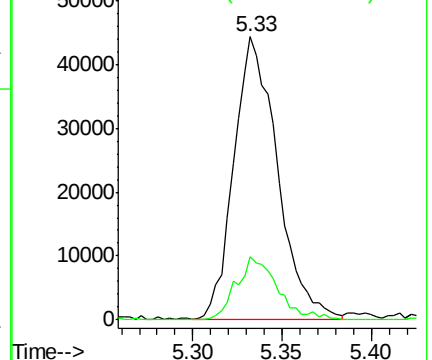
43 100

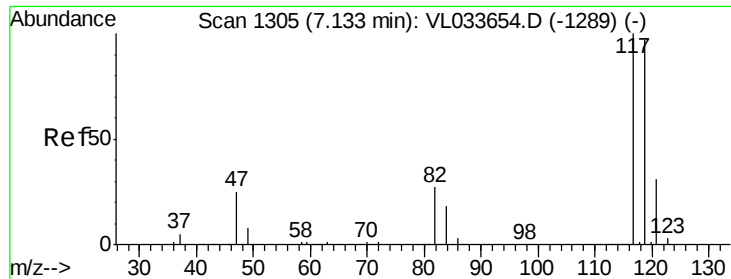
72 20.9 17.4 26.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 0.497 ppbv

RT: 7.13 min Scan# 1303

Delta R.T. -0.01 min

Lab File: VL033657.D

Acq: 6 May 2019 12:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion:117 Resp: 99898

Ion Ratio Lower Upper

117 100

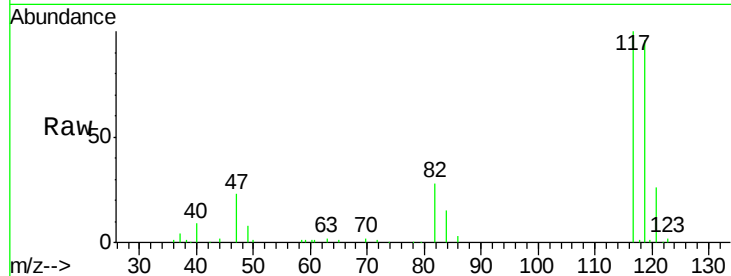
119 96.1 77.9 116.9

121 26.0 25.0 37.6

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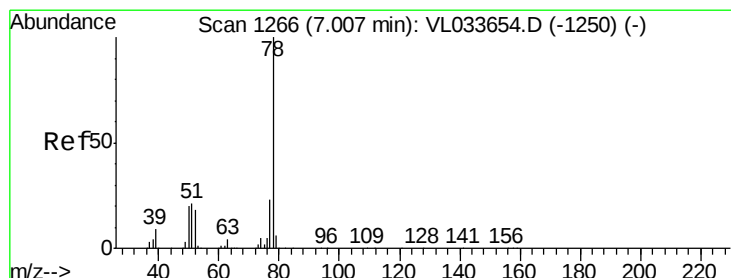
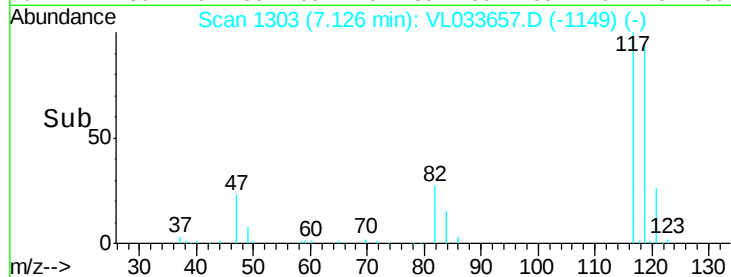
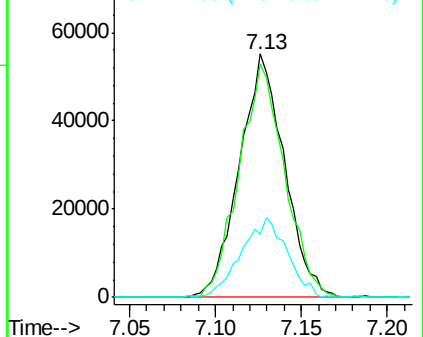
5/8/2019 12:06:06 PM



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: 0.480 ppbv

RT: 7.00 min Scan# 1264

Delta R.T. -0.01 min

Lab File: VL033657.D

Acq: 6 May 2019 12:54

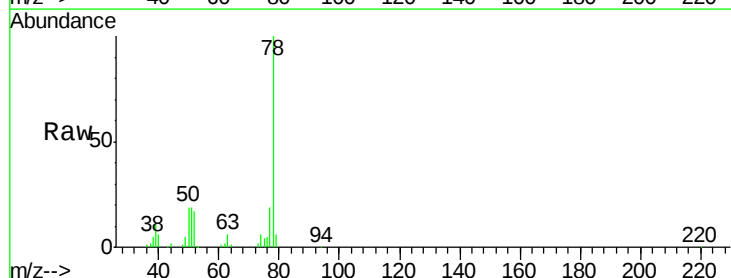
Tgt Ion: 78 Resp: 104185

Ion Ratio Lower Upper

78 100

77 19.4 18.2 27.2

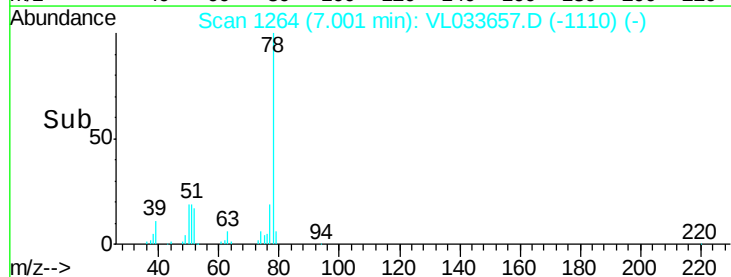
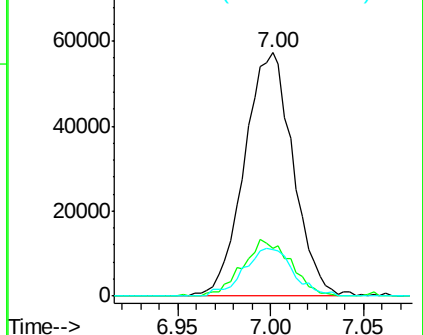
50 19.2 15.8 23.6

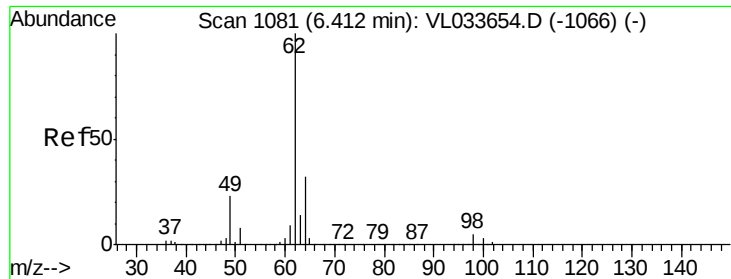


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





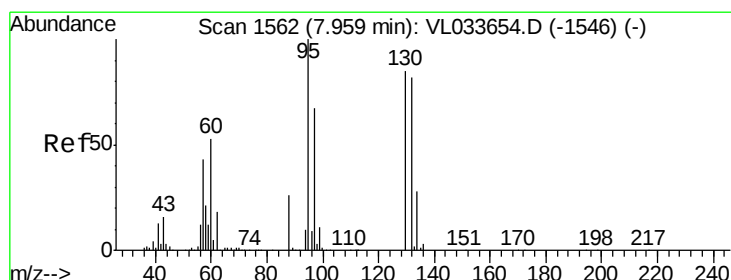
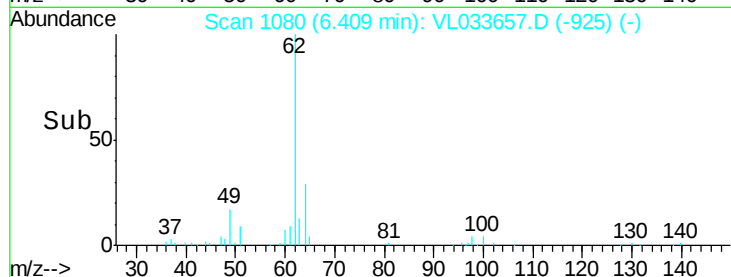
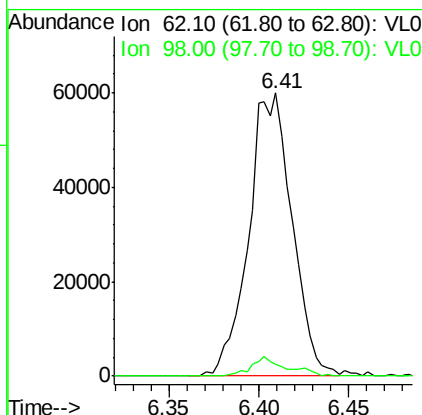
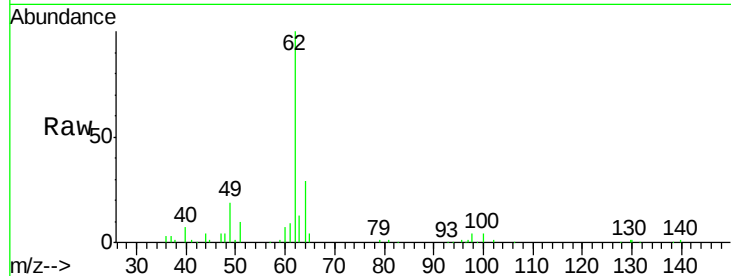
#37
 1,2-Dichloroethane
 Concen: 0.699 ppbv m
 RT: 6.41 min Scan# 1080
 Delta R.T. -0.00 min
 Lab File: VL033657.D
 Acq: 6 May 2019 12:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion: 62 Resp: 100647
 Ion Ratio Lower Upper
 62 100
 98 5.6 4.5 6.7

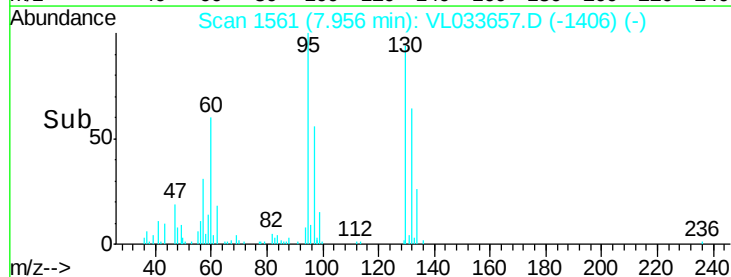
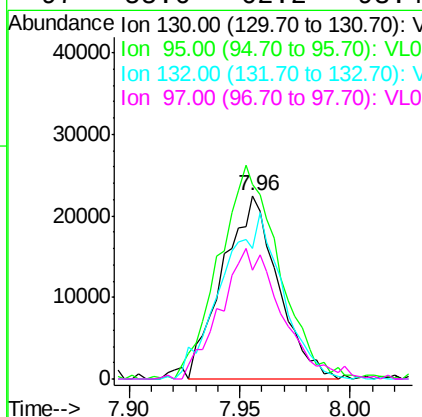
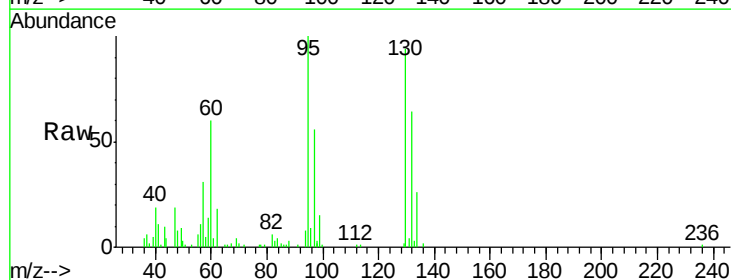
Manual Integrations
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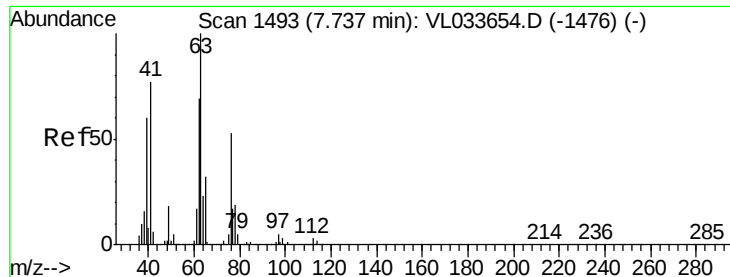
MMDadoda
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#38
 Trichloroethene
 Concen: 0.453 ppbv
 RT: 7.96 min Scan# 1561
 Delta R.T. -0.00 min
 Lab File: VL033657.D
 Acq: 6 May 2019 12:54

Tgt Ion:130 Resp: 39050
 Ion Ratio Lower Upper
 130 100
 95 100.1 93.4 140.0
 132 69.7 76.2 114.4#
 97 55.6 62.2 93.4#





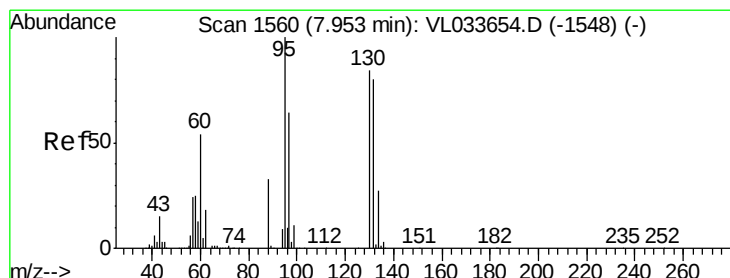
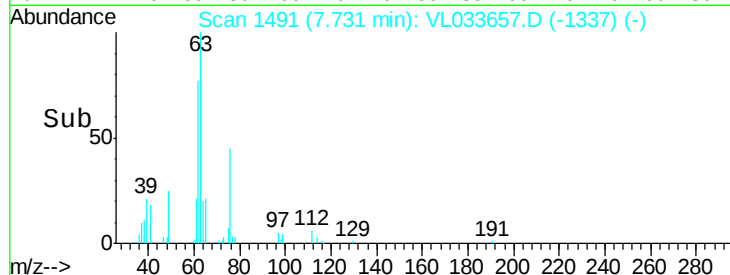
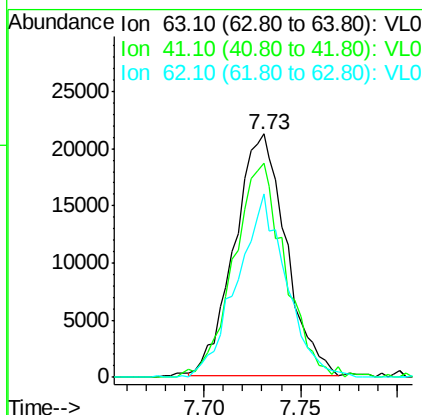
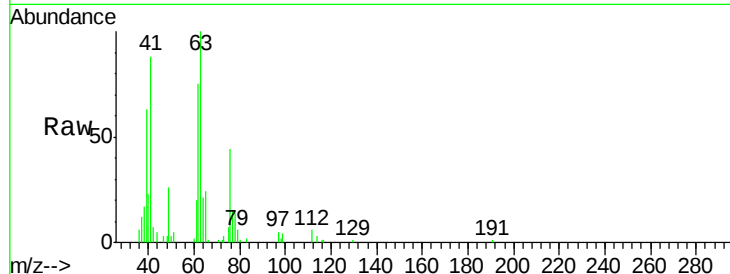
#39
 1,2-Dichloropropane
 Concen: 0.481 ppbv
 RT: 7.73 min Scan# 1491
 Delta R.T. -0.01 min
 Lab File: VL033657.D
 Acq: 6 May 2019 12:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion:	63	Resp:	39144
Ion	Ratio	Lower	Upper
63	100		
41	86.4	61.6	92.4
62	76.6	55.0	82.6

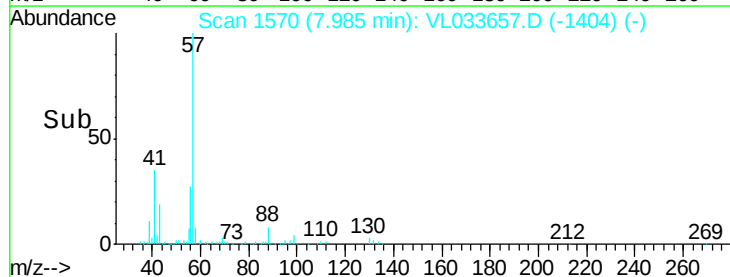
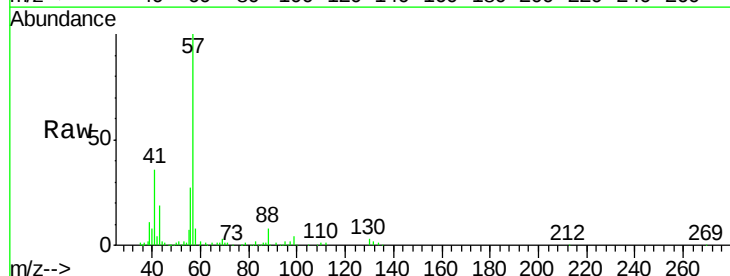
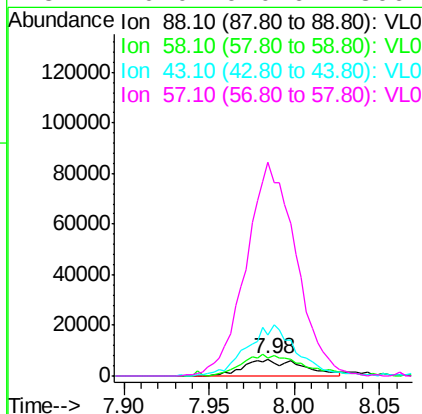
Manual Integrations
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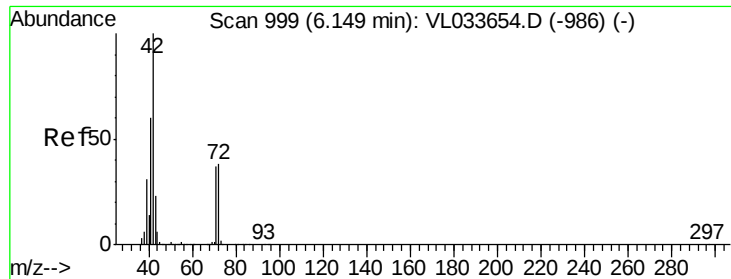
MMDadoda
 5/8/2019 12:06:06 PM



#40
 1,4-Dioxane
 Concen: 0.483 ppbv m
 RT: 7.98 min Scan# 1570
 Delta R.T. 0.03 min
 Lab File: VL033657.D
 Acq: 6 May 2019 12:54

Tgt Ion:	88	Resp:	15788
Ion	Ratio	Lower	Upper
88	100		
58	0.0	102.3	153.5#
43	0.0	206.1	309.1#
57	0.0	910.6	1366.0#





#41

Tetrahydrofuran

Concen: 0.391 ppbv

RT: 6.17 min Scan# 1006

Delta R.T. 0.02 min

Lab File: VL033657.D

Acq: 6 May 2019 12:54

Instrument :

MSVOA_L

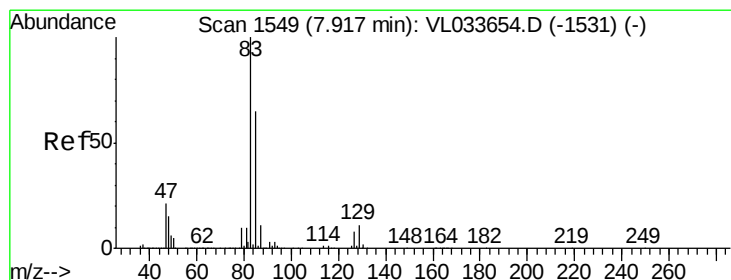
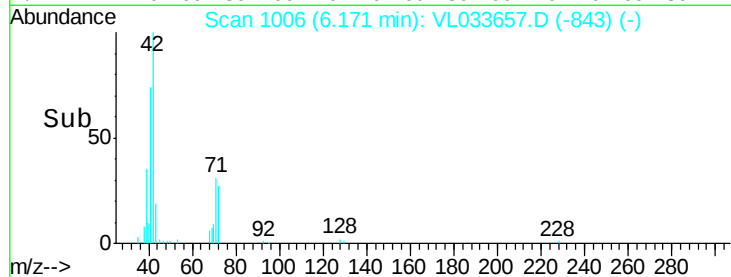
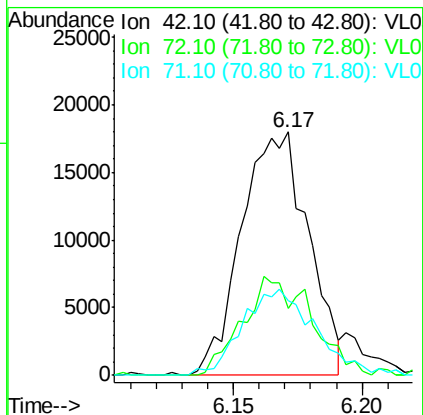
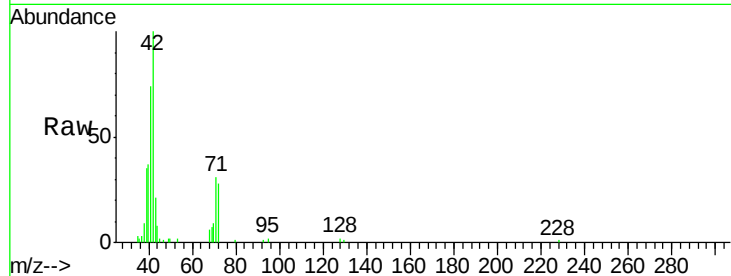
ClientSampleId :

VSTDIC0.5

Tot Ion:	42	Resp:	32570
Ion Ratio		Lower	Upper
42	100		
72	43.3	31.6	47.4
71	38.7	30.6	45.8

Manual Integrations
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#42

Bromodichloromethane

Concen: 0.487 ppbv

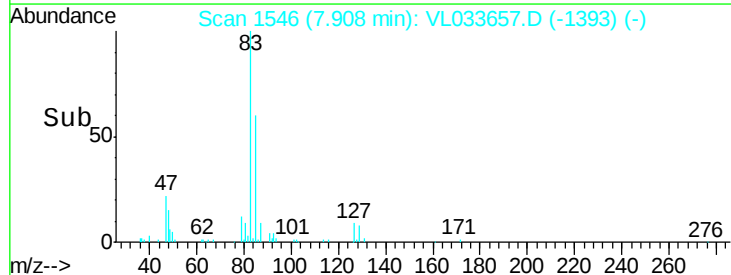
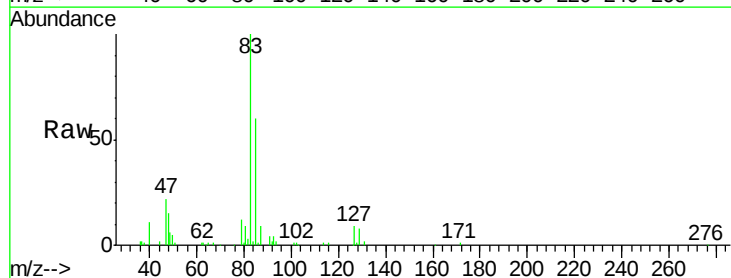
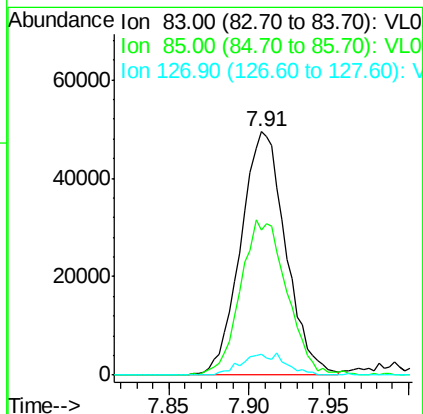
RT: 7.91 min Scan# 1546

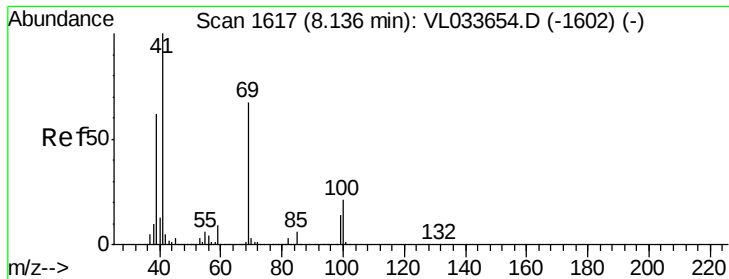
Delta R.T. -0.01 min

Lab File: VL033657.D

Acq: 6 May 2019 12:54

Tgt Ion:	83	Resp:	95114
Ion Ratio		Lower	Upper
83	100		
85	59.2	52.4	78.6
127	9.4	6.6	9.8





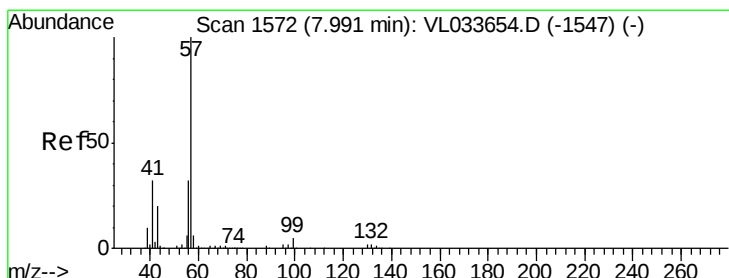
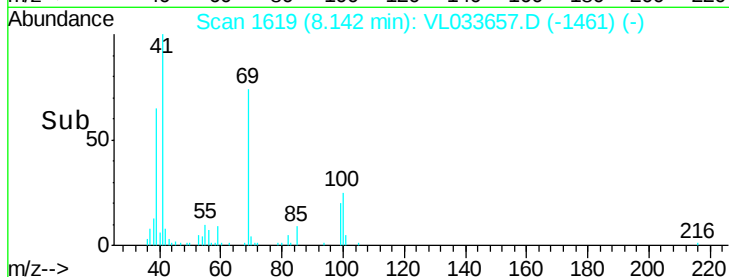
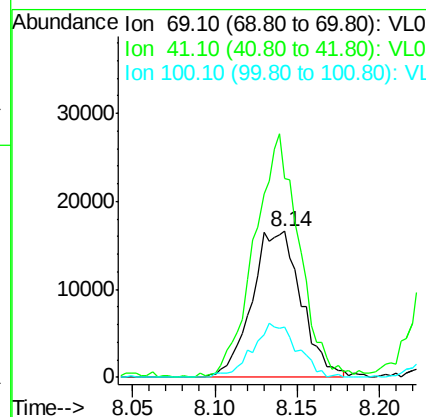
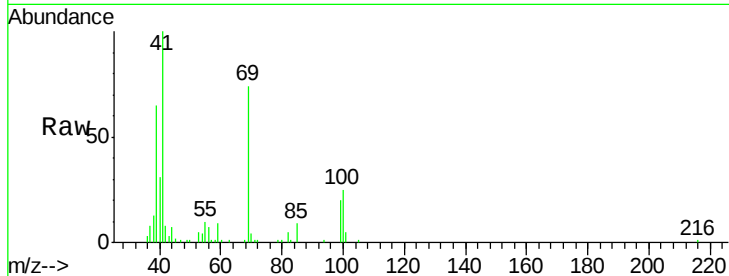
#43
Methvl Methacrylate
Concen: 0.420 ppbv m
RT: 8.14 min Scan# 1619
Delta R.T. 0.01 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	0.0	116.5	174.7#	
100	33.6	24.6	37.0	

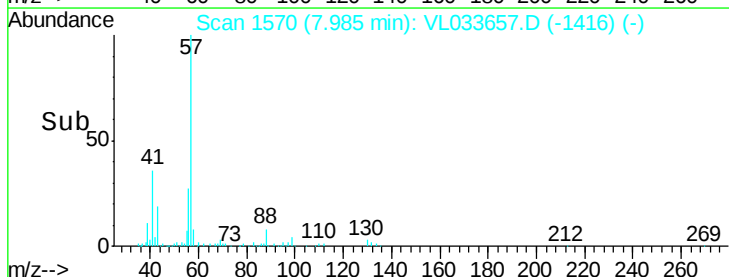
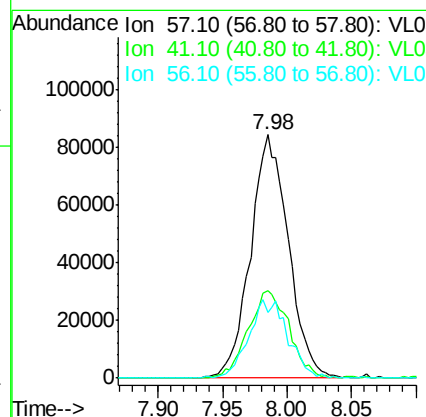
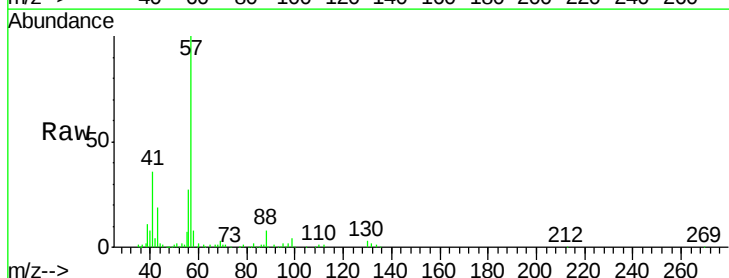
Manual Integrations
APPROVED

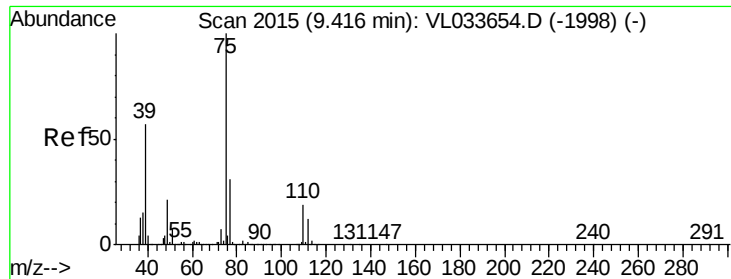
MMDadoda
5/8/2019 12:06:06 PM



#44
2,2,4-Trimethylpentane
Concen: 0.459 ppbv
RT: 7.98 min Scan# 1570
Delta R.T. -0.01 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	39.2	25.7	38.5#	
56	33.2	25.0	37.6	





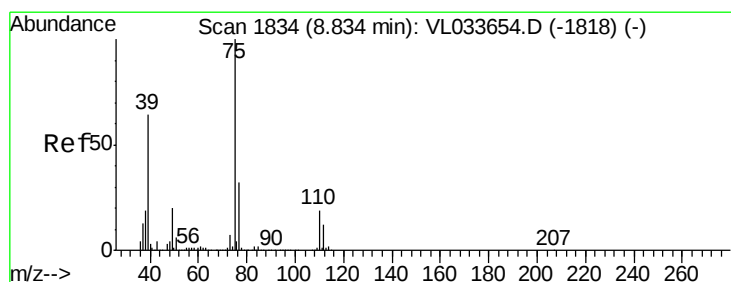
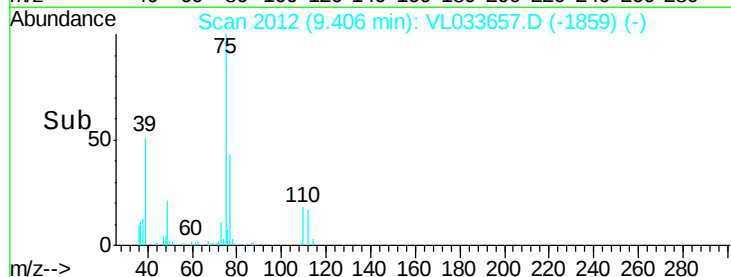
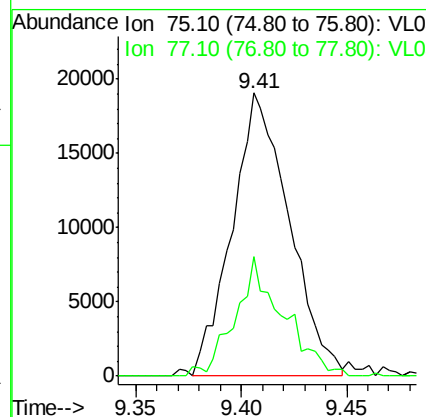
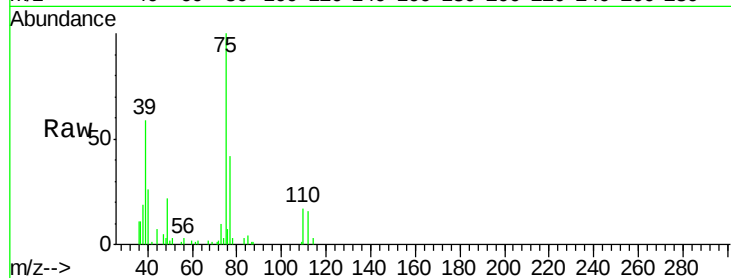
#45
t-1,3-Dichloropropene
Concen: 0.341 ppbv
RT: 9.41 min Scan# 2012
Delta R.T. -0.01 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion: 75 Resp: 35955
Ion Ratio Lower Upper
75 100
77 42.2 24.7 37.1#

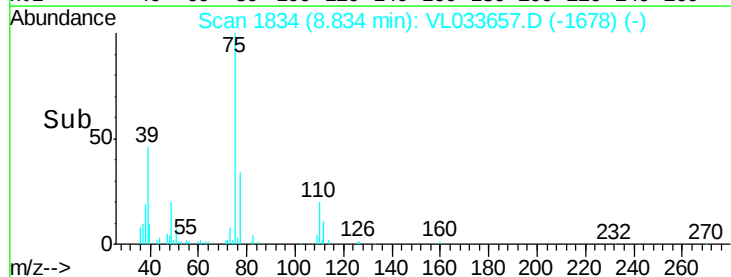
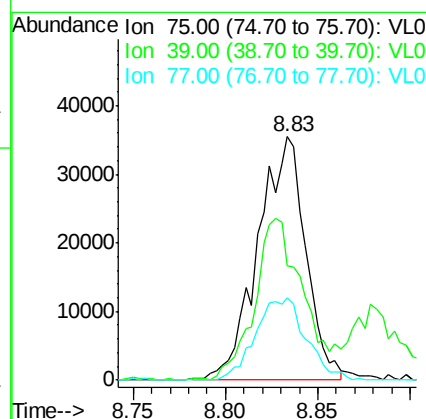
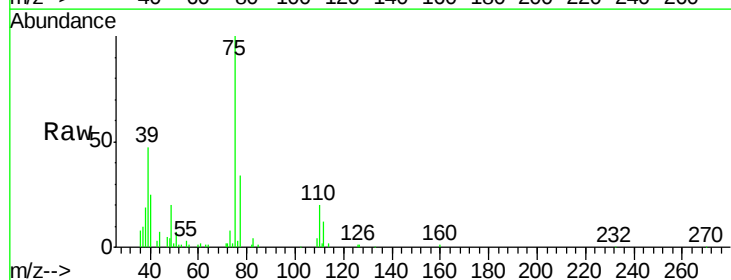
Manual Integrations
APPROVED

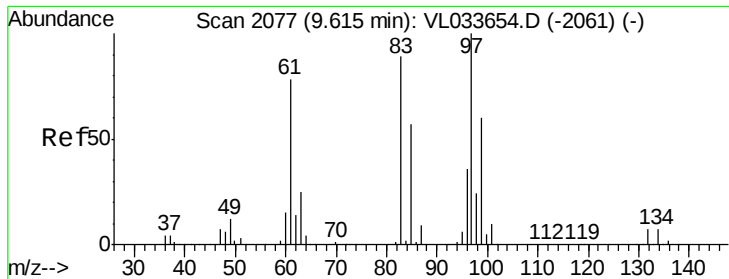
MMDadoda
5/8/2019 12:06:06 PM



#46
cis-1,3-Dichloropropene
Concen: 0.519 ppbv m
RT: 8.83 min Scan# 1834
Delta R.T. 0.00 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Tgt Ion: 75 Resp: 63467
Ion Ratio Lower Upper
75 100
39 46.8 51.5 77.3#
77 33.7 25.4 38.0





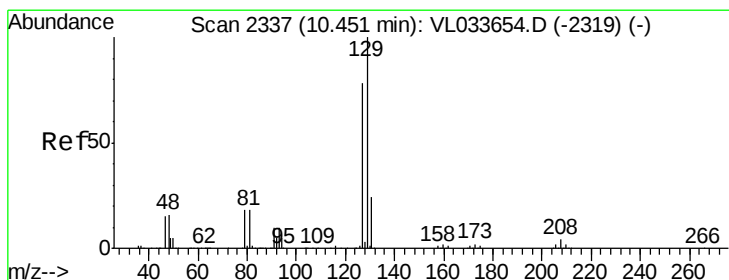
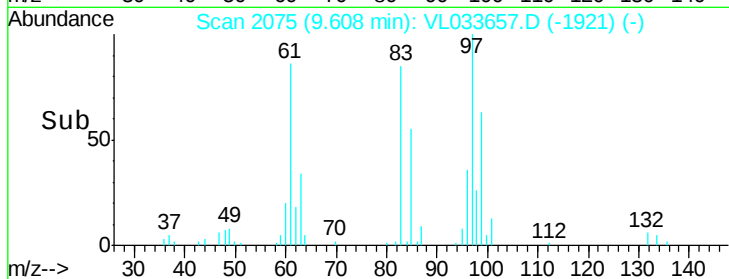
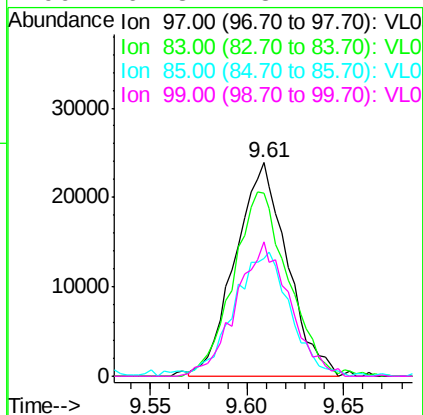
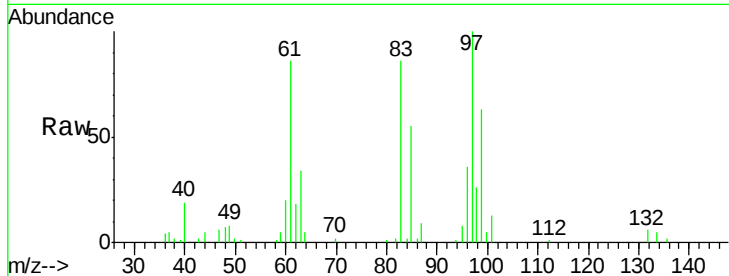
#47
 1,1,2-Trichloroethane
 Concen: 0.466 ppbv
 RT: 9.61 min Scan# 2075
 Delta R.T. -0.01 min
 Lab File: VL033657.D
 Acq: 6 May 2019 12:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion:	97	Resp:	44845
Ion	Ratio	Lower	Upper
97	100		
83	84.4	70.9	106.3
85	52.6	45.8	68.6
99	61.3	48.2	72.4

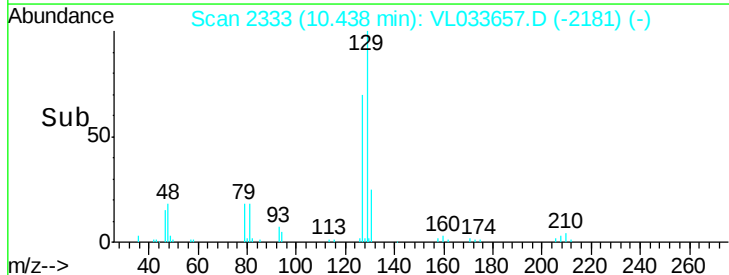
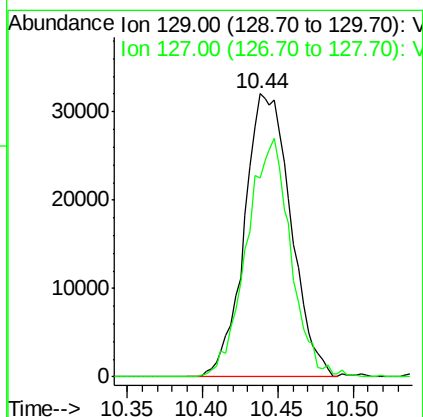
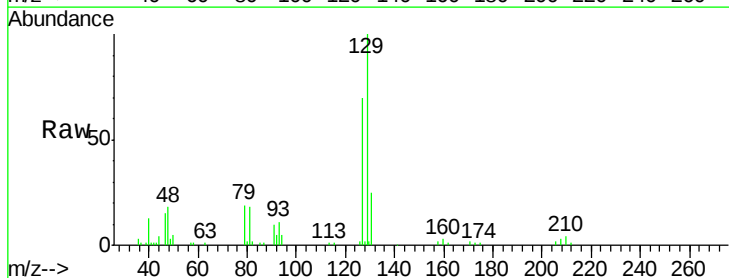
Manual Integrations
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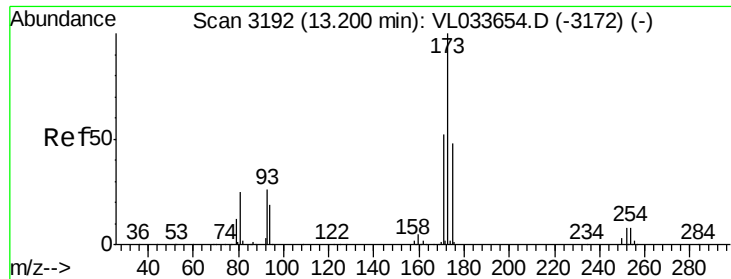
MMDadoda
 5/8/2019 12:06:06 PM



#48
 Dibromochloromethane
 Concen: 0.424 ppbv m
 RT: 10.44 min Scan# 2333
 Delta R.T. -0.01 min
 Lab File: VL033657.D
 Acq: 6 May 2019 12:54

Tgt Ion:	129	Resp:	68418
Ion	Ratio	Lower	Upper
129	100		
127	0.0	39.1	117.2#





#49

Bromoform

Concen: 0.401 ppbv

RT: 13.19 min Scan# 3190

Delta R.T. -0.01 min

Lab File: VL033657.D

Acq: 6 May 2019 12:54

Instrument :

MSVOA_L

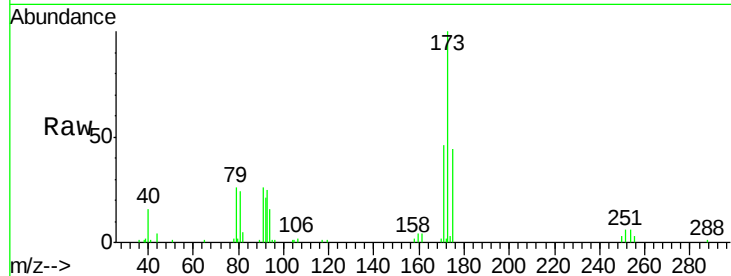
ClientSampleId :

VSTDIC0.5

Tot Ion:	173	Resp:	55552
Ion Ratio	Lower	Upper	
173	100		
175	48.7	39.3	58.9
171	52.5	41.5	62.3

Manual Integrations
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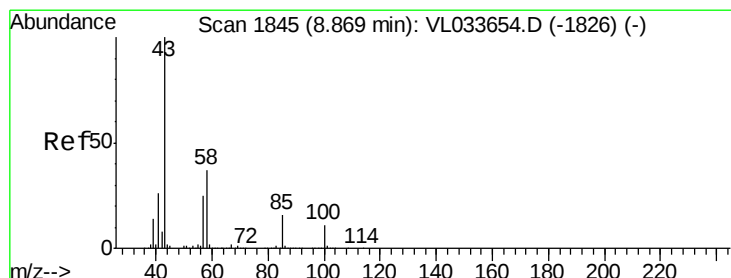
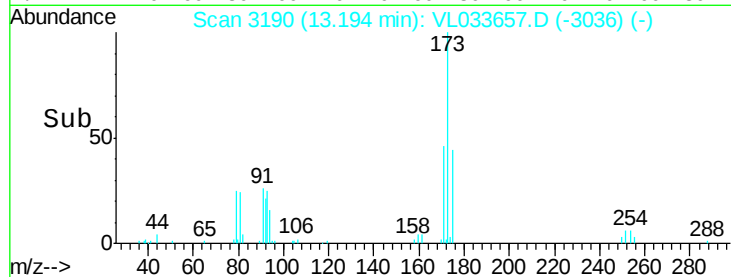
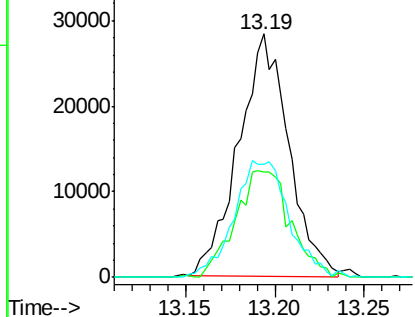
MMDadoda
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Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 0.435 ppbv m

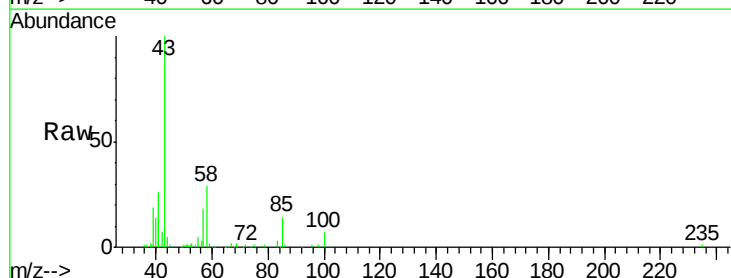
RT: 8.88 min Scan# 1849

Delta R.T. 0.01 min

Lab File: VL033657.D

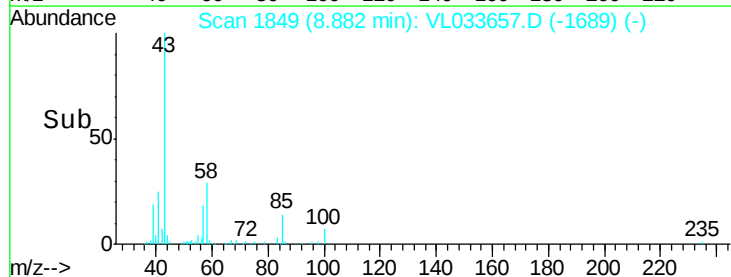
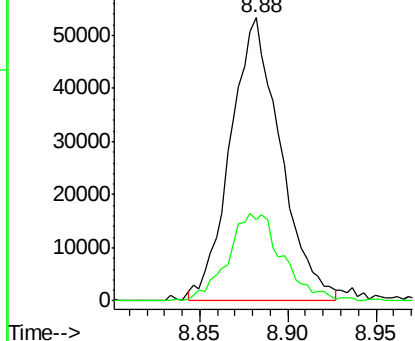
Acq: 6 May 2019 12:54

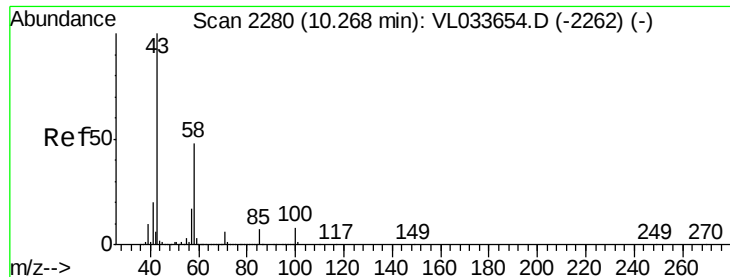
Tgt Ion:	43	Resp:	105630
Ion Ratio	Lower	Upper	
43	100		
58	0.0	28.8	43.2#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





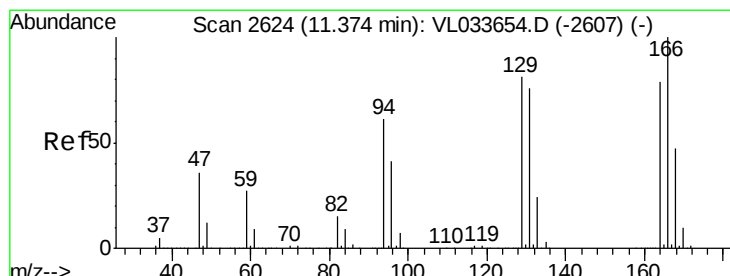
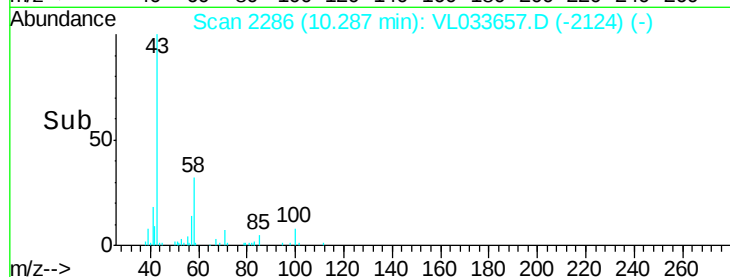
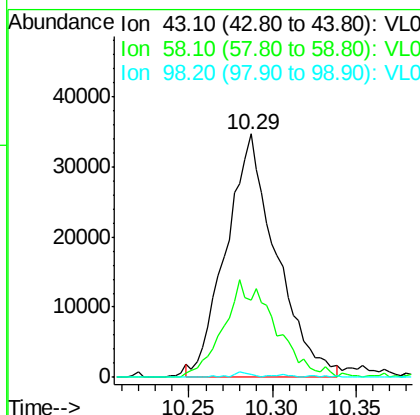
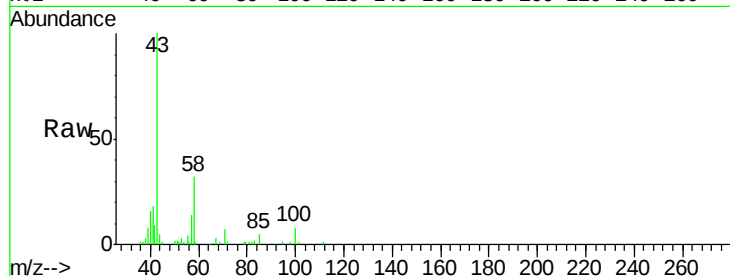
#51
2-Hexanone
Concen: 0.380 ppbv m
RT: 10.29 min Scan# 2286
Delta R.T. 0.02 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
43	100		
58	0.0	38.2	57.4#
98	0.0	0.2	0.4#

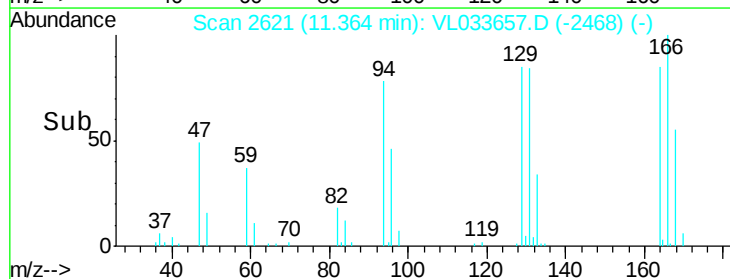
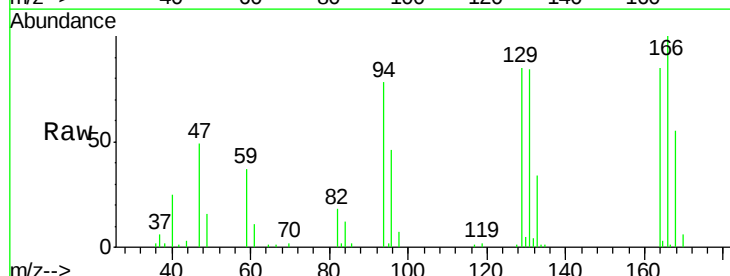
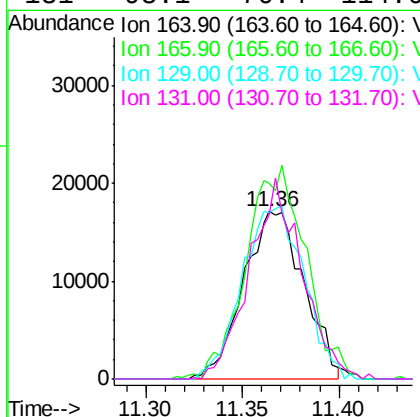
Manual Integrations
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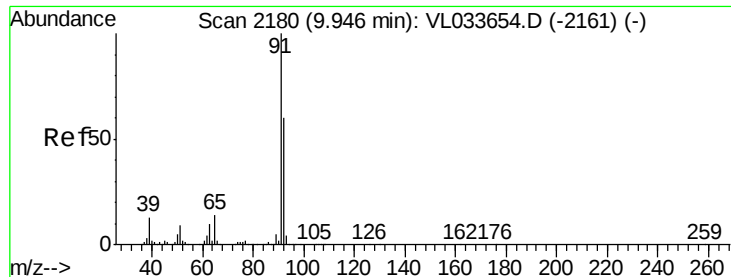
MMDadoda
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#52
Tetrachloroethene
Concen: 0.452 ppbv
RT: 11.36 min Scan# 2621
Delta R.T. -0.01 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Tgt Ion	Ratio	Lower	Upper
164	100		
166	115.9	100.6	151.0
129	99.5	81.0	121.6
131	98.1	76.4	114.6





#53

Toluene

Concen: 0.363 ppbv

RT: 9.94 min Scan# 2179

Delta R.T. -0.00 min

Lab File: VL033657.D

Acq: 6 May 2019 12:54

Tot Ion: 91 Resp: 88802

Ion Ratio Lower Upper

91 100

92 59.8 47.8 71.6

Instrument :

MSVOA_L

ClientSampleId :

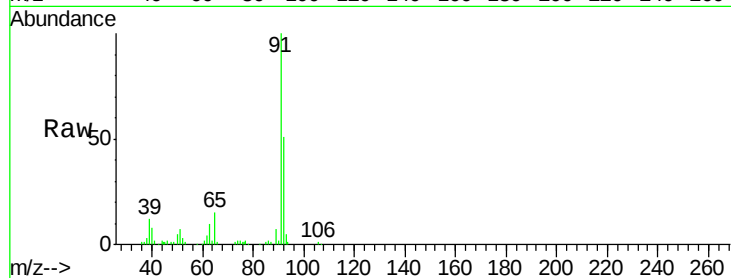
VSTDIC0.5

Manual Integrations

APPROVED

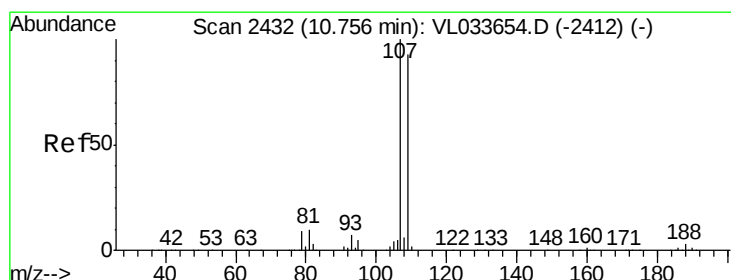
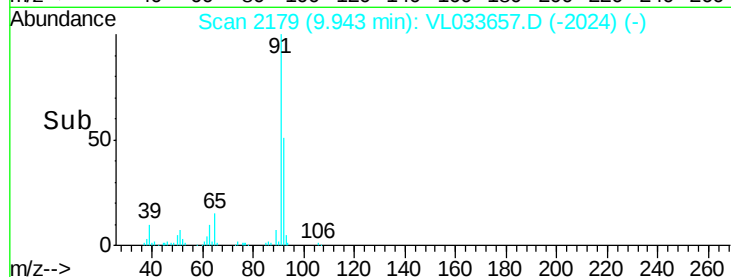
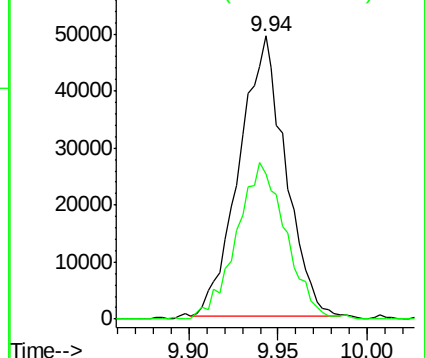
MMDadoda

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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 0.452 ppbv

RT: 10.75 min Scan# 2430

Delta R.T. -0.01 min

Lab File: VL033657.D

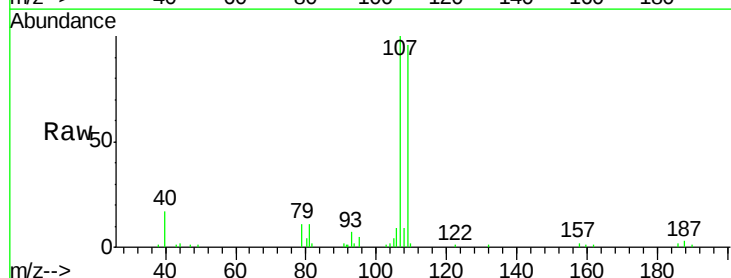
Acq: 6 May 2019 12:54

Tgt Ion:107 Resp: 64885

Ion Ratio Lower Upper

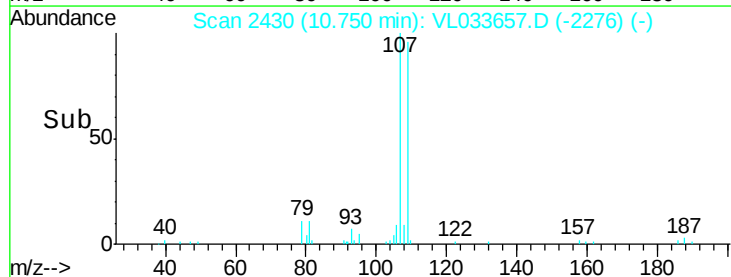
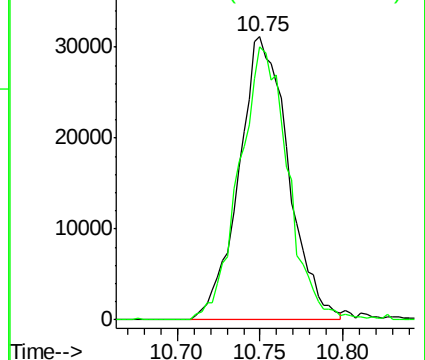
107 100

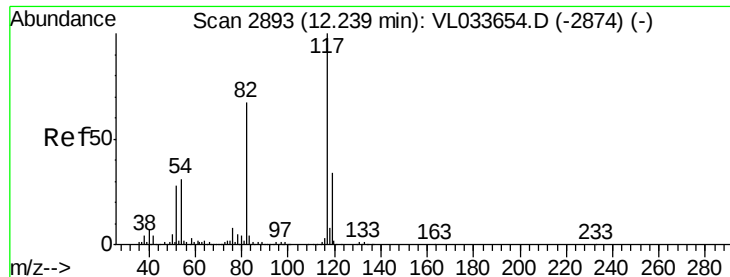
109 96.3 74.6 111.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





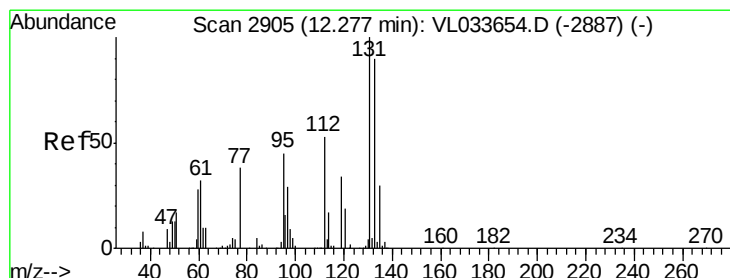
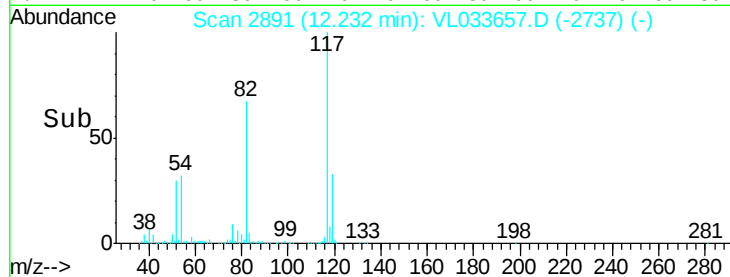
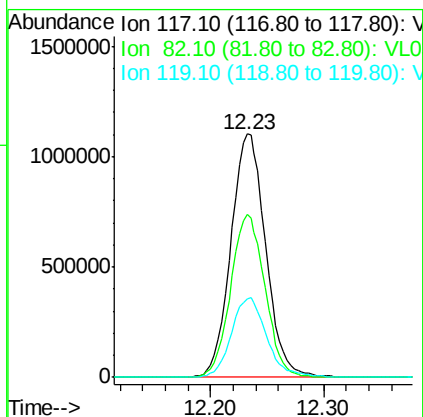
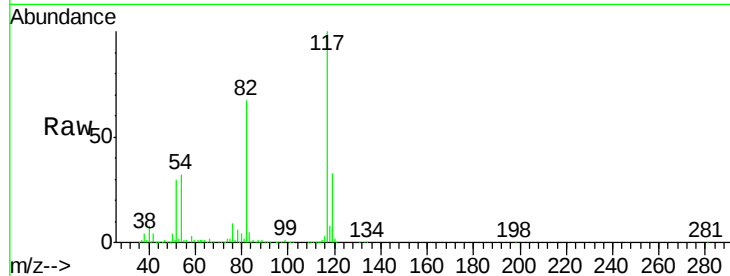
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2891
Delta R.T. -0.01 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
117	100		
82	66.5	49.7	74.5
119	33.5	23.3	34.9

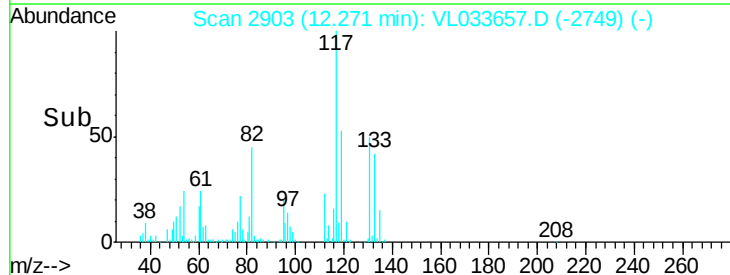
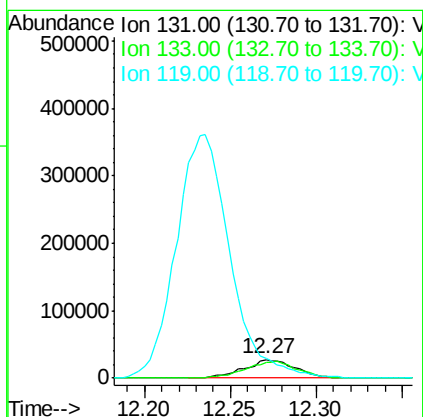
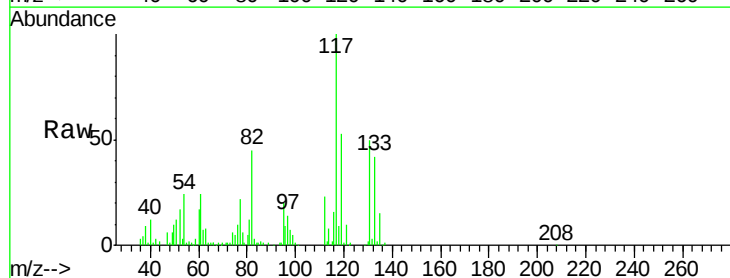
Manual Integrations
APPROVED

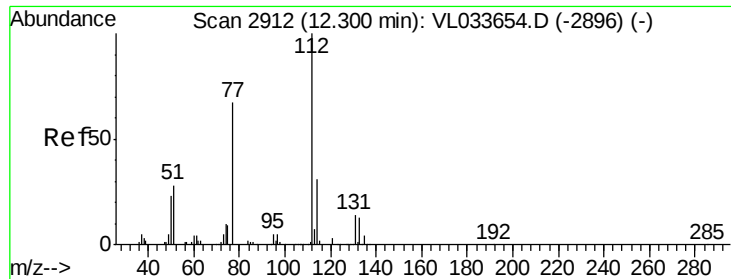
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 0.542 ppbv
RT: 12.27 min Scan# 2903
Delta R.T. -0.01 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.8	76.1	114.1
119	1414.6	49.4	74.0#





#57

Chlorobenzene

Concen: 0.558 ppbv

RT: 12.29 min Scan# 2909

Delta R.T. -0.01 min

Lab File: VL033657.D

Acq: 6 May 2019 12:54

Instrument :

MSVOA_L

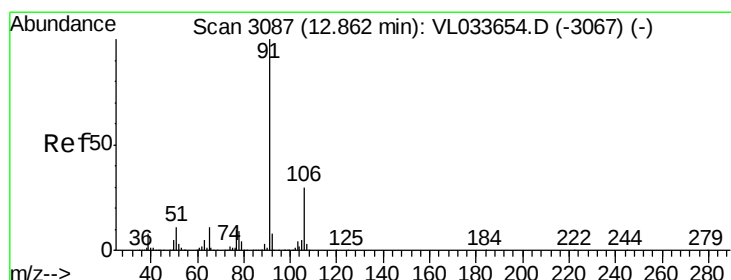
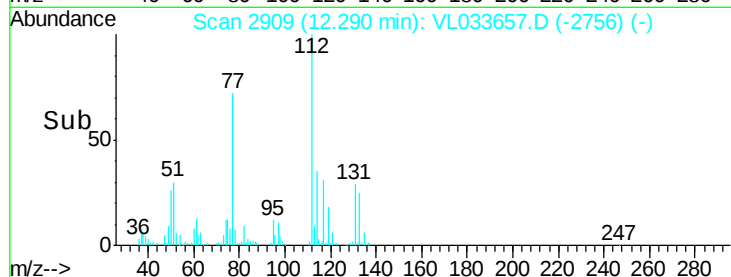
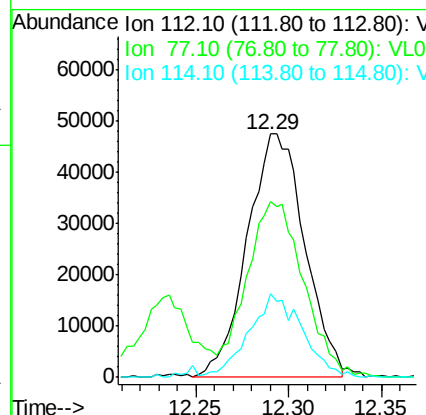
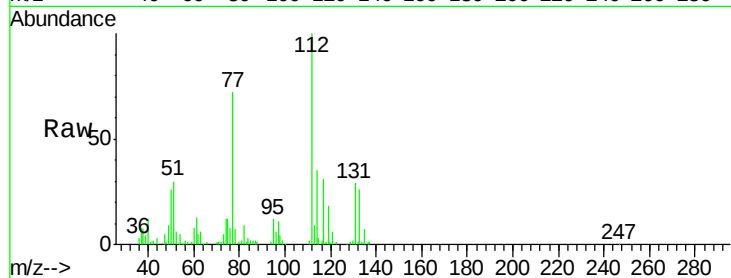
ClientSampleId :

VSTDIC0.5

Tot Ion:	112	Resp:	102539
Ion Ratio	Lower	Upper	
112	100		
77	63.7	54.4	81.6
114	33.3	28.2	34.4

Manual Integrations
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5/8/2019 12:06:06 PM



#58

Ethyl Benzene

Concen: 0.429 ppbv

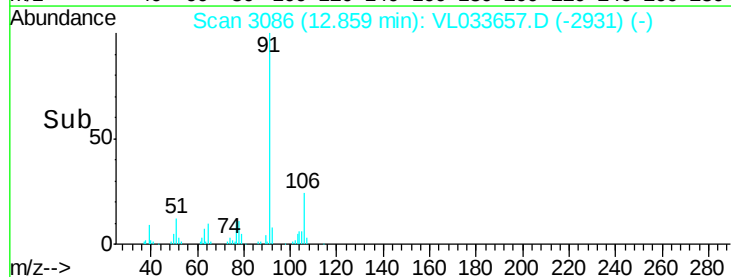
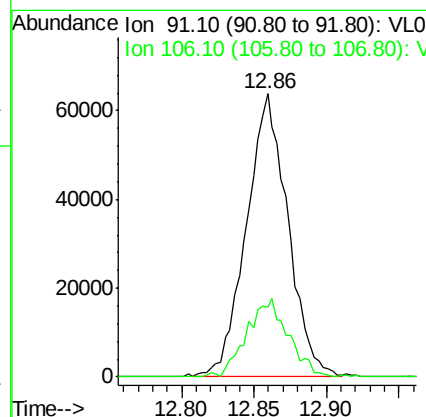
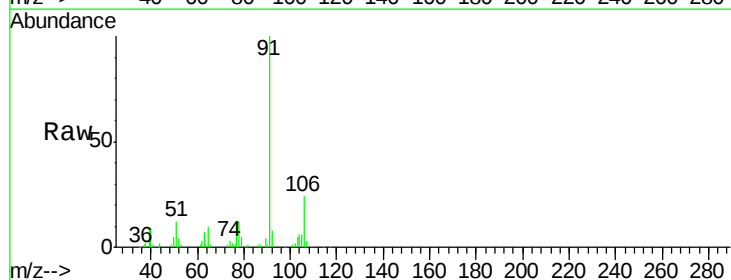
RT: 12.86 min Scan# 3086

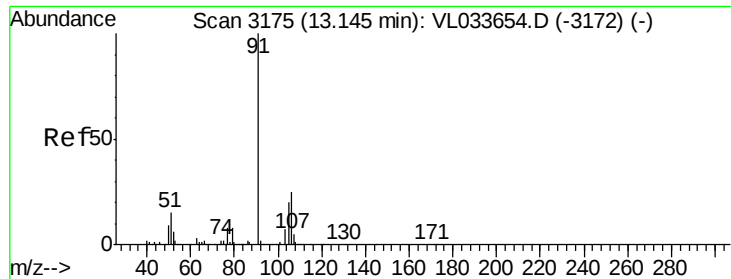
Delta R.T. -0.00 min

Lab File: VL033657.D

Acq: 6 May 2019 12:54

Tgt Ion:	91	Resp:	126944
Ion Ratio	Lower	Upper	
91	100		
106	24.5	23.7	35.5





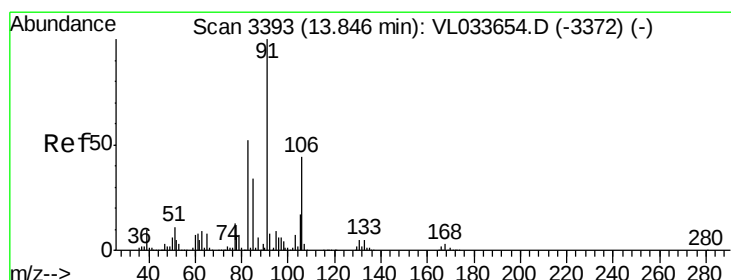
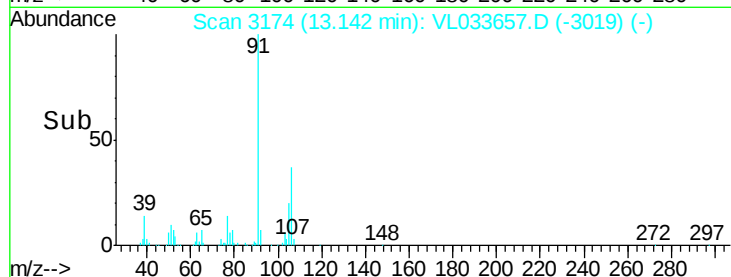
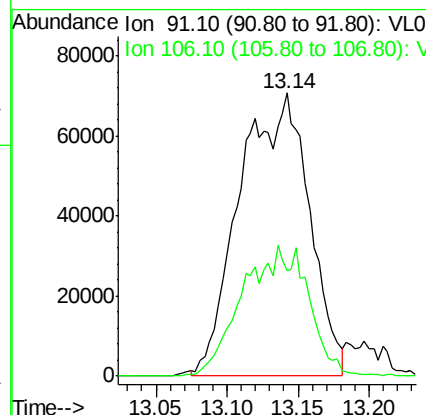
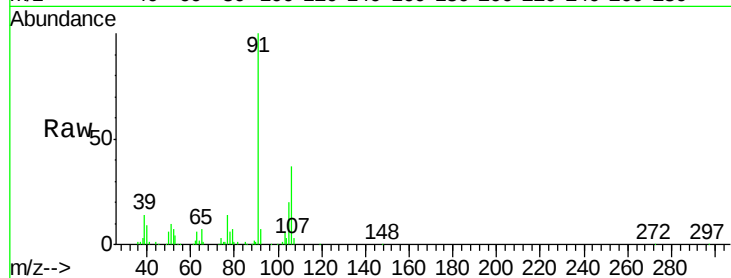
#59
m/p-Xylene
Concen: 0.946 ppbv m
RT: 13.14 min Scan# 3174
Delta R.T. -0.00 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion: 91 Resp: 240929
Ion Ratio Lower Upper
91 100
106 43.5 35.9 53.9

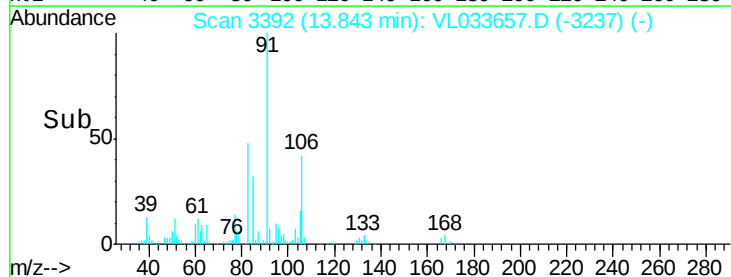
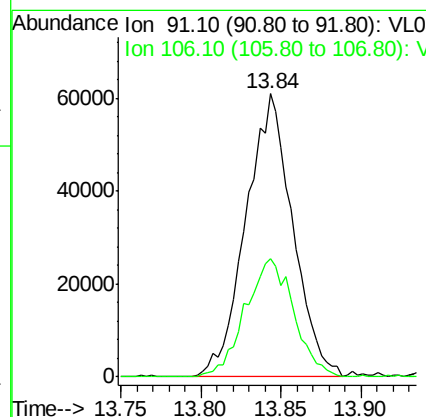
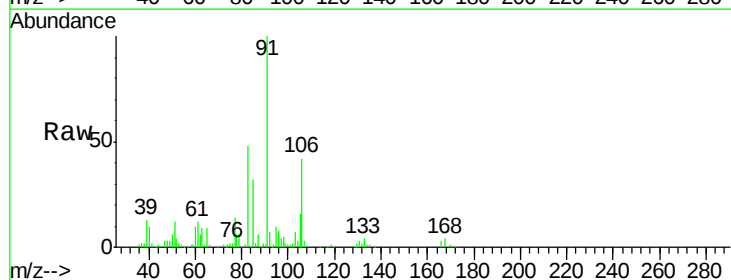
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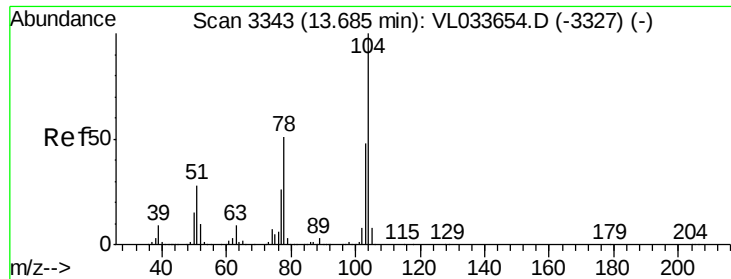
MMDadoda
5/8/2019 12:06:06 PM



#60
o-Xylene
Concen: 0.477 ppbv
RT: 13.84 min Scan# 3392
Delta R.T. -0.00 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Tgt Ion: 91 Resp: 122260
Ion Ratio Lower Upper
91 100
106 43.2 21.7 65.1





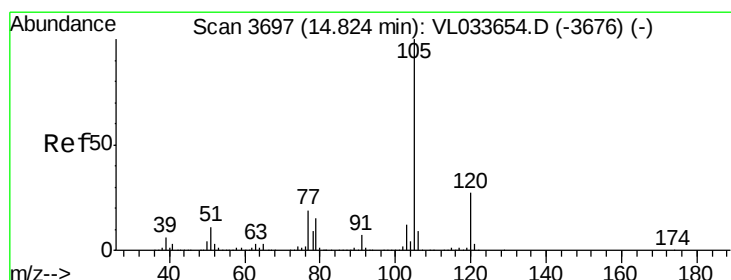
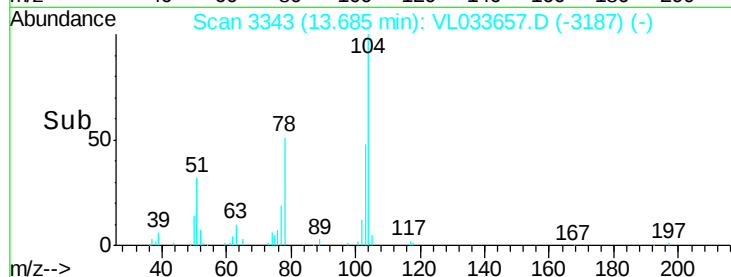
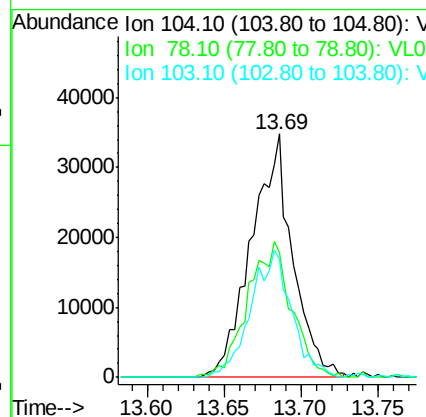
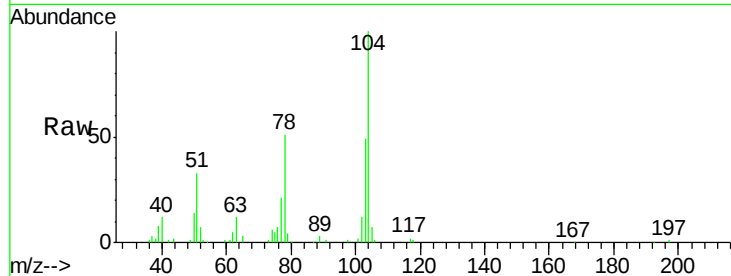
#61
Stvrene
Concen: 0.370 ppbv m
RT: 13.69 min Scan# 3343
Delta R.T. 0.00 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
104	100		
78	0.0	43.0	64.6#
103	0.0	38.1	57.1#

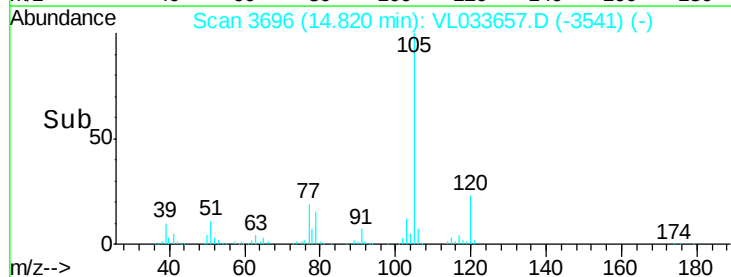
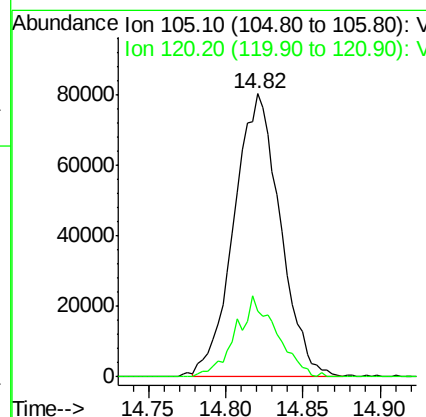
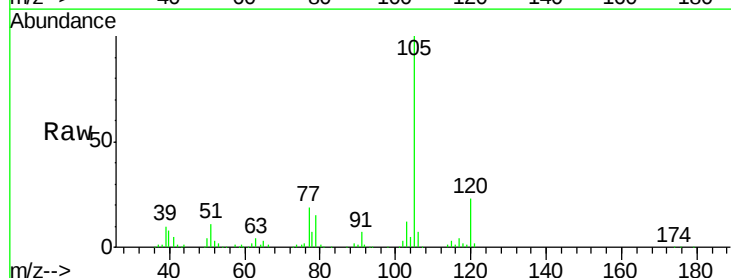
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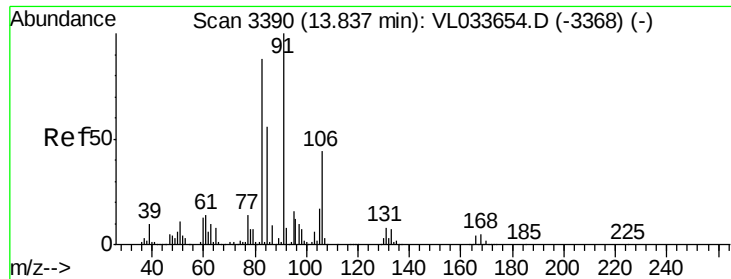
MMDadoda
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#62
Isopropylbenzene
Concen: 0.484 ppbv
RT: 14.82 min Scan# 3696
Delta R.T. -0.00 min
Lab File: VL033657.D
Acq: 6 May 2019 12:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.4	20.5	30.7





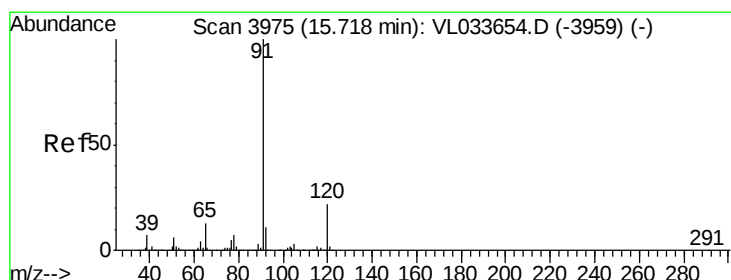
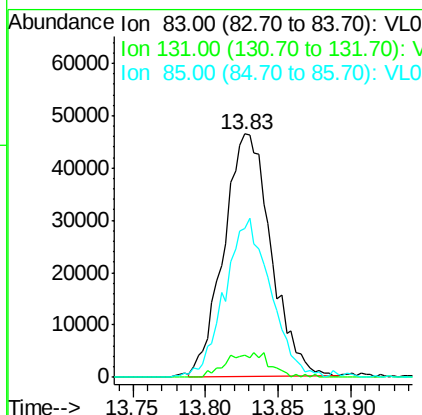
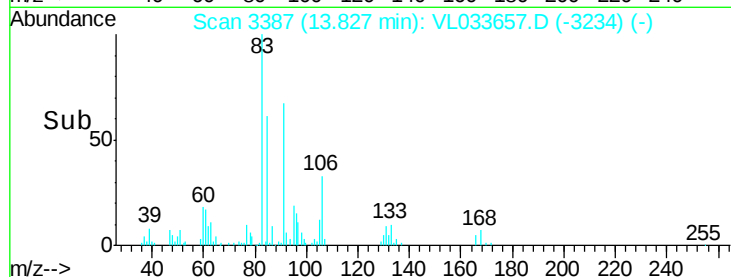
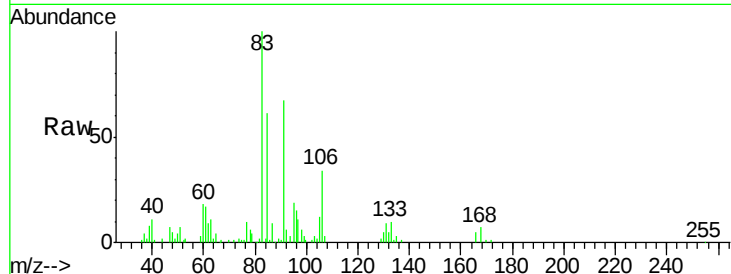
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.538 ppbv
 RT: 13.83 min Scan# 3387
 Delta R.T. -0.01 min
 Lab File: VL033657.D
 Acq: 6 May 2019 12:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	83	Resp	104482
Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.8	14.3
85	64.5	32.5	97.5

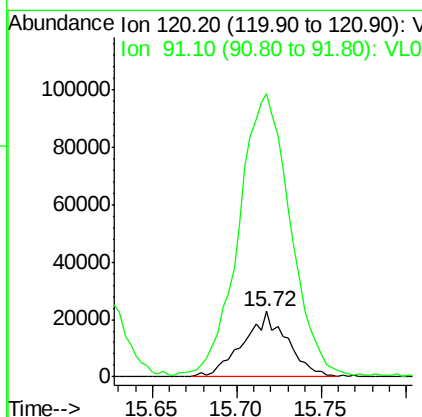
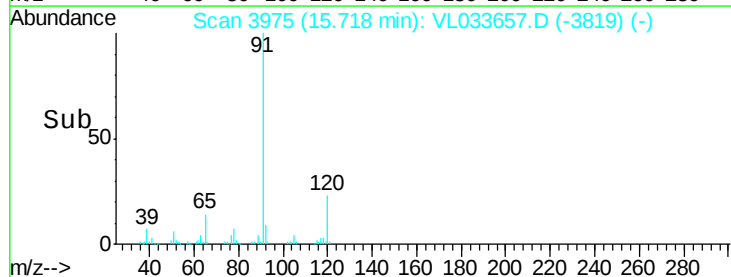
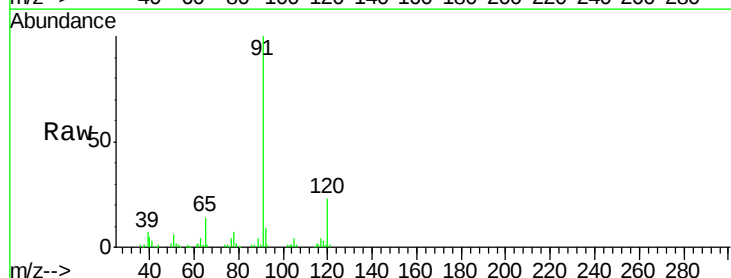
Manual Integrations
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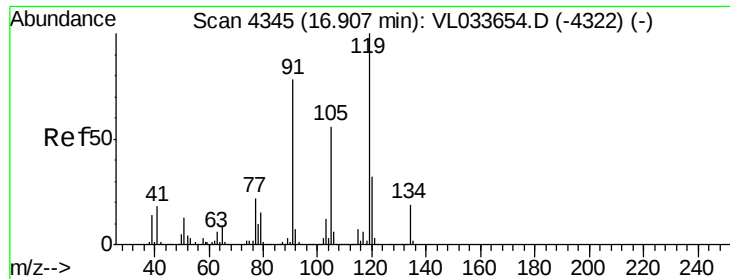
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 5/8/2019 12:06:06 PM



#64
 n-propylbenzene
 Concen: 0.464 ppbv m
 RT: 15.72 min Scan# 3975
 Delta R.T. 0.00 min
 Lab File: VL033657.D
 Acq: 6 May 2019 12:54

Tgt Ion	120	Resp	41238
Ion	Ratio	Lower	Upper
120	100		
91	514.6	379.4	569.2





#65

tert-Butylbenzene

Concen: 0.464 ppbv

RT: 16.91 min Scan# 4345

Delta R.T. 0.00 min

Lab File: VL033657.D

Acq: 6 May 2019 12:54

Instrument :

MSVOA_L

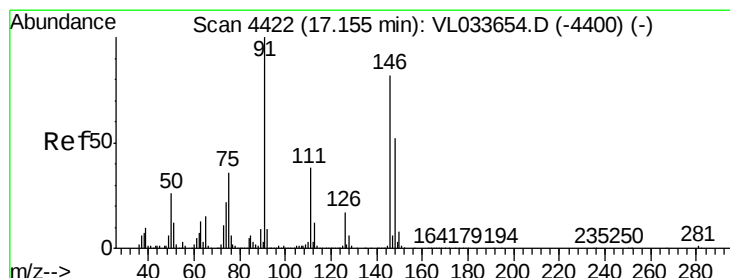
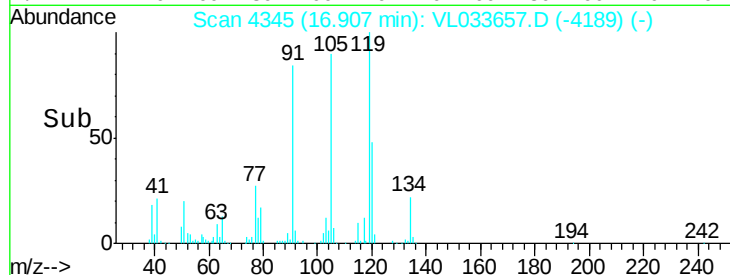
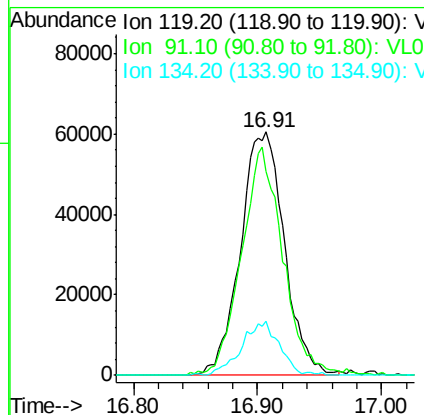
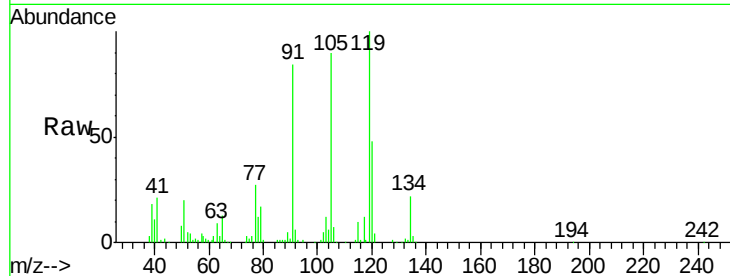
ClientSampleId :

VSTDIC0.5

Tot Ion:	119	Resp:	148495
Ion Ratio	Lower	Upper	
119	100		
91	89.1	65.9	98.9
134	0.0	15.5	23.3#

Manual Integrations
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#66

Benzyl Chloride

Concen: 0.384 ppbv

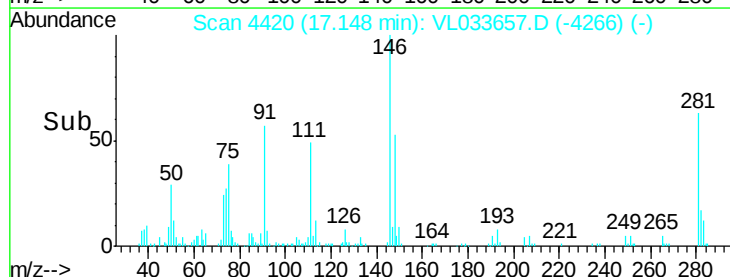
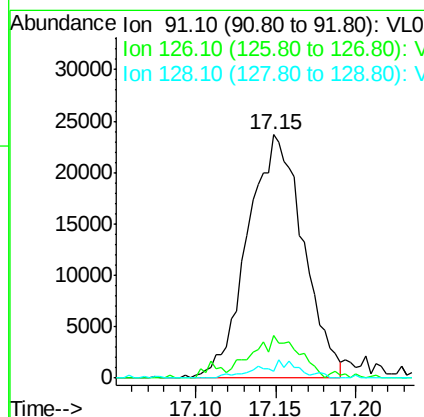
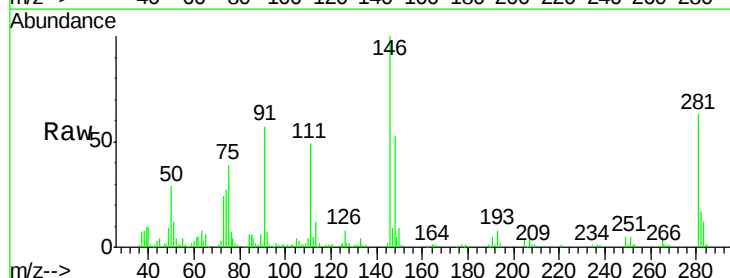
RT: 17.15 min Scan# 4420

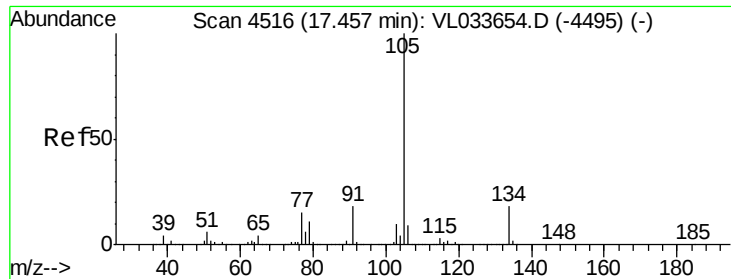
Delta R.T. -0.01 min

Lab File: VL033657.D

Acq: 6 May 2019 12:54

Tgt Ion:	91	Resp:	56642
Ion Ratio	Lower	Upper	
91	100		
126	17.2	13.4	20.2
128	5.3	4.4	6.6





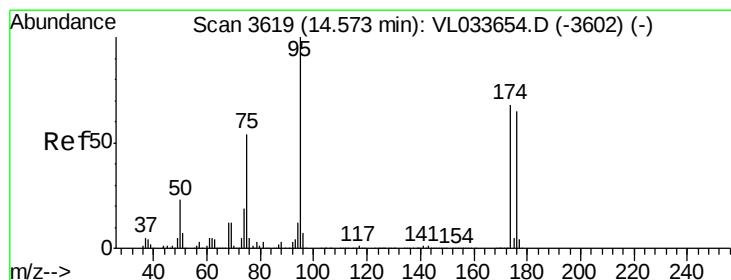
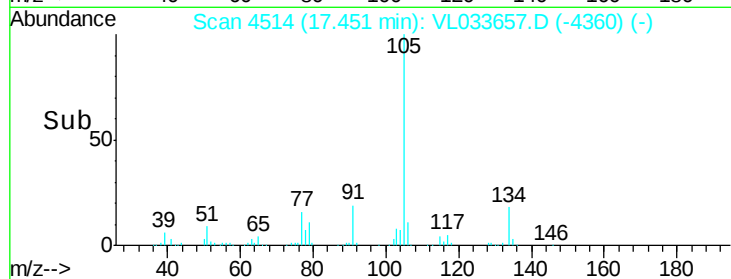
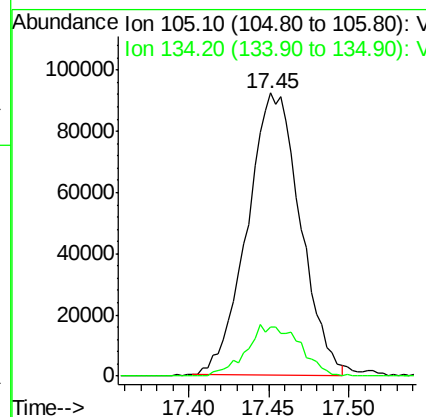
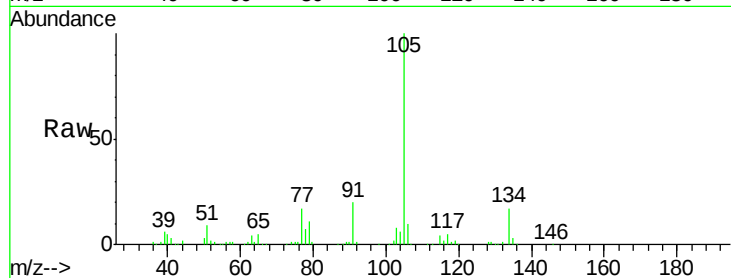
#67
 sec-Butylbenzene
 Concen: 0.469 ppbv
 RT: 17.45 min Scan# 4514
 Delta R.T. -0.01 min
 Lab File: VL033657.D
 Acq: 6 May 2019 12:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.3	14.6	22.0

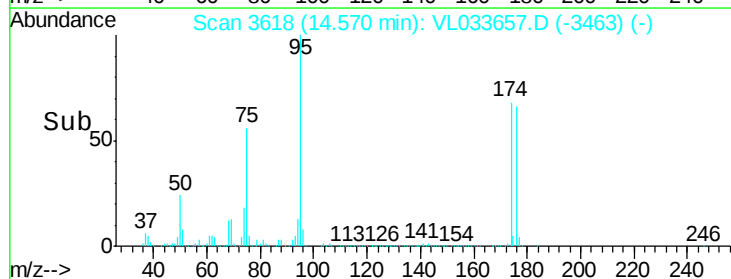
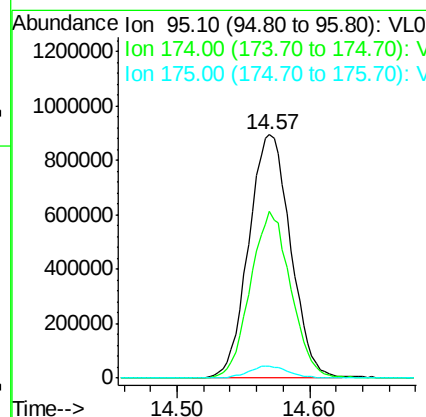
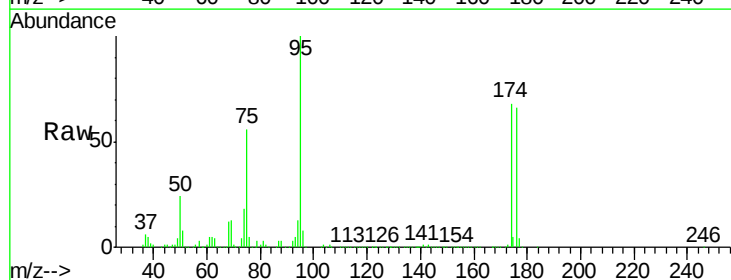
Manual Integrations
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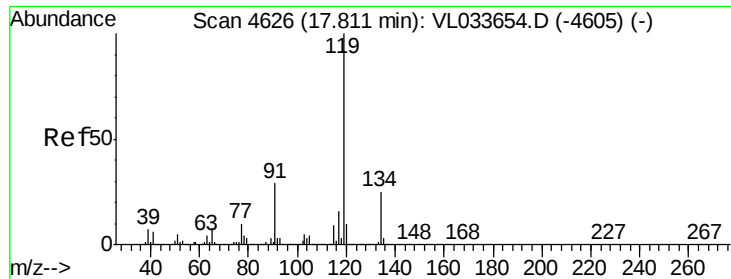
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.445 ppbv
 RT: 14.57 min Scan# 3618
 Delta R.T. -0.00 min
 Lab File: VL033657.D
 Acq: 6 May 2019 12:54

Tgt Ion	Ratio	Lower	Upper
95	100		
174	66.4	54.0	81.0
175	4.7	3.8	5.8





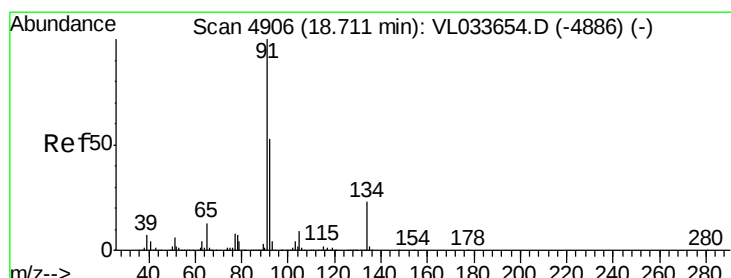
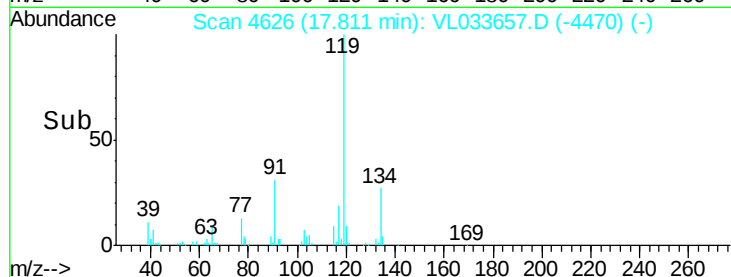
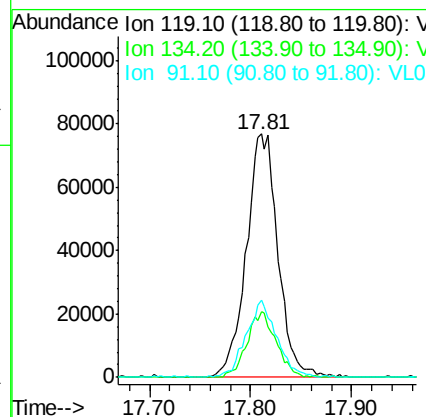
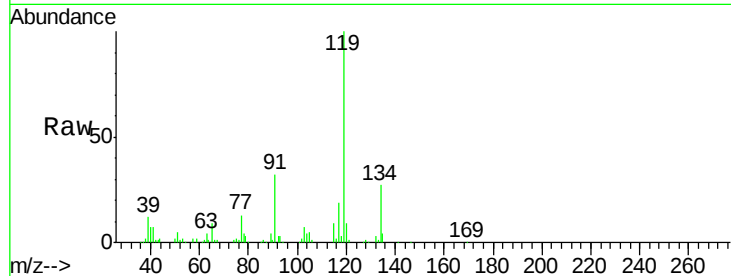
#69
 p-Isopropyltoluene
 Concen: 0.446 ppbv m
 RT: 17.81 min Scan# 4626
 Delta R.T. 0.00 min
 Lab File: VL033657.D
 Acq: 6 May 2019 12:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Resp	Lower	Upper
119	100	166453		
134	25.1	20.2	30.2	
91	30.8	23.3	34.9	

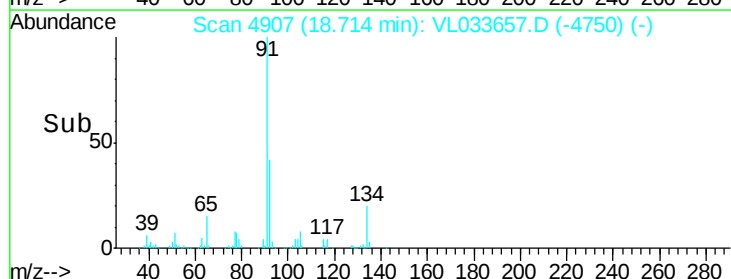
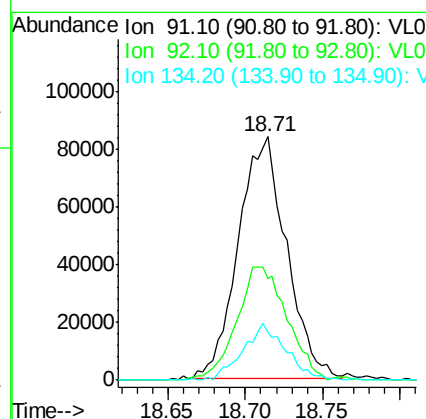
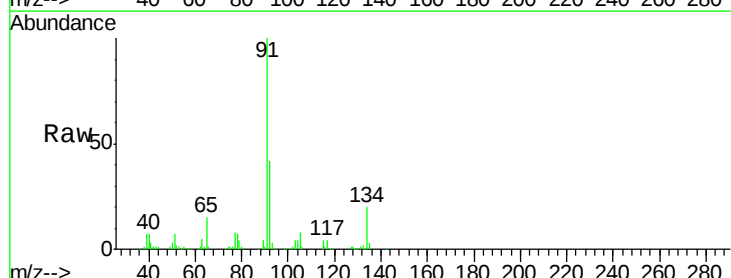
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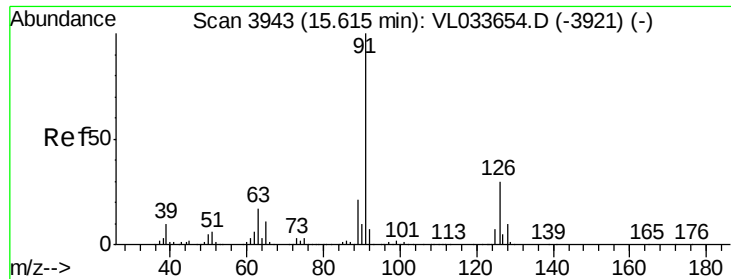
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#70
 n-Butylbenzene
 Concen: 0.443 ppbv
 RT: 18.71 min Scan# 4907
 Delta R.T. 0.00 min
 Lab File: VL033657.D
 Acq: 6 May 2019 12:54

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	180206		
92	49.8	42.5	63.7	
134	21.2	18.0	27.0	





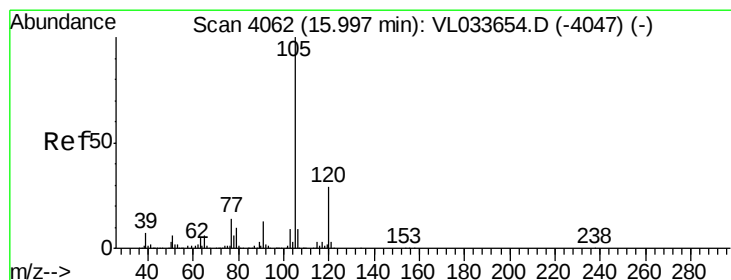
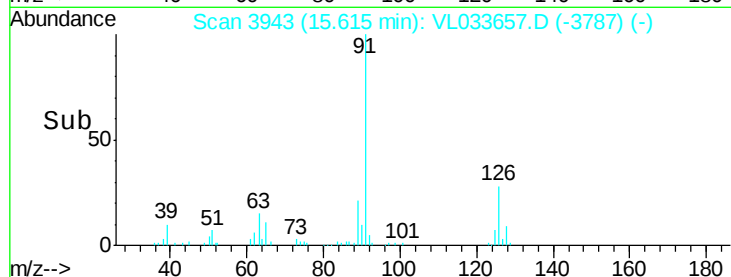
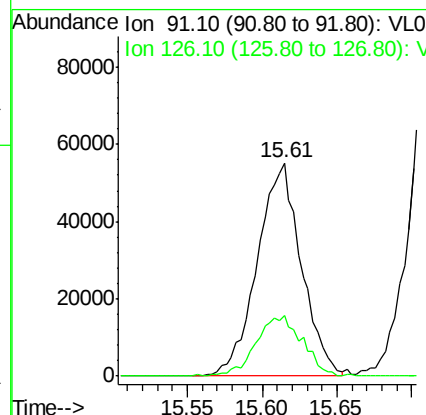
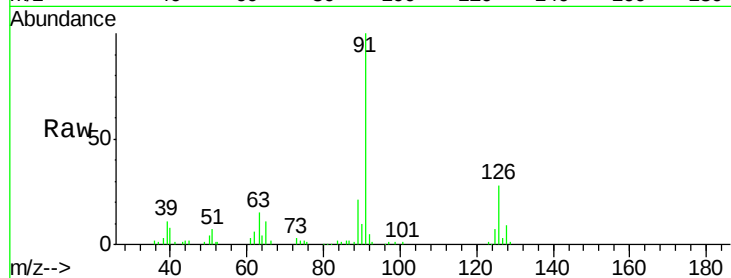
#71
 2-Chlorotoluene
 Concen: 0.440 ppbv
 RT: 15.61 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VL033657.D
 Acq: 6 May 2019 12:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion: 91 Resp: 112803
 Ion Ratio Lower Upper
 91 100
 126 29.9 12.0 47.8

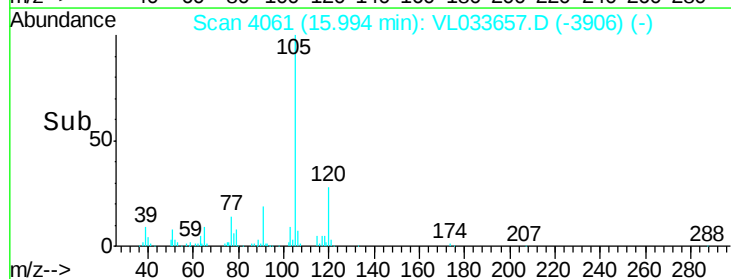
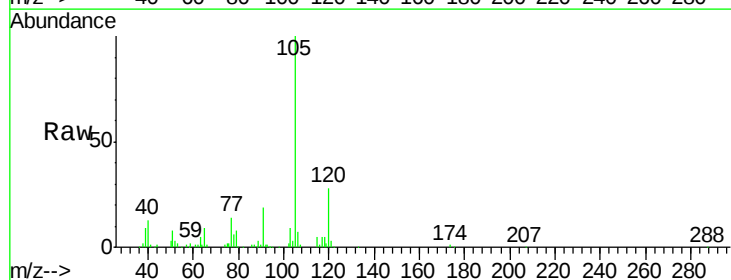
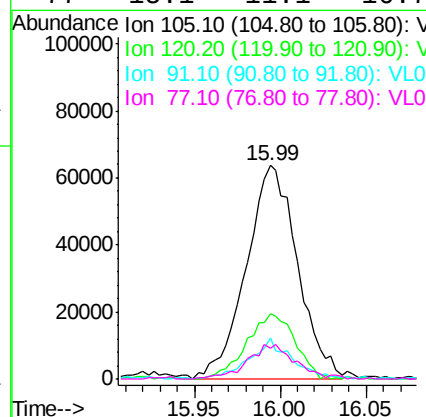
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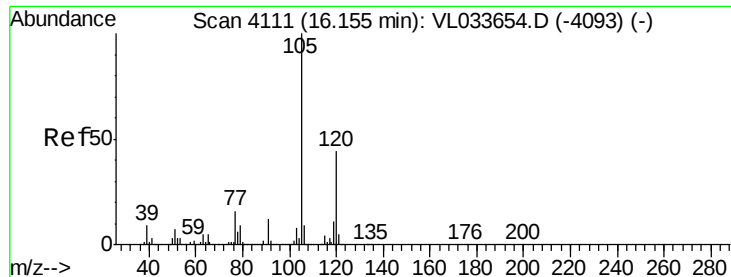
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#72
 4-Ethyltoluene
 Concen: 0.449 ppbv
 RT: 15.99 min Scan# 4061
 Delta R.T. -0.00 min
 Lab File: VL033657.D
 Acq: 6 May 2019 12:54

Tgt Ion: 105 Resp: 131724
 Ion Ratio Lower Upper
 105 100
 120 29.2 23.0 34.6
 91 16.2 10.6 15.8#
 77 15.1 11.1 16.7





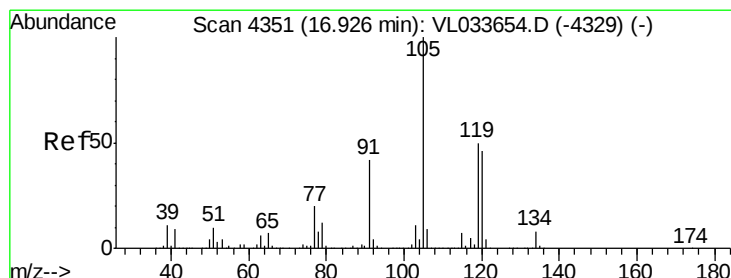
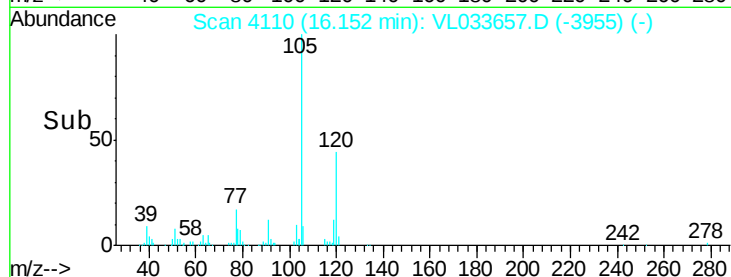
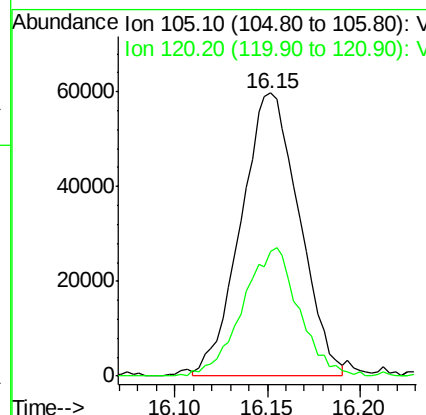
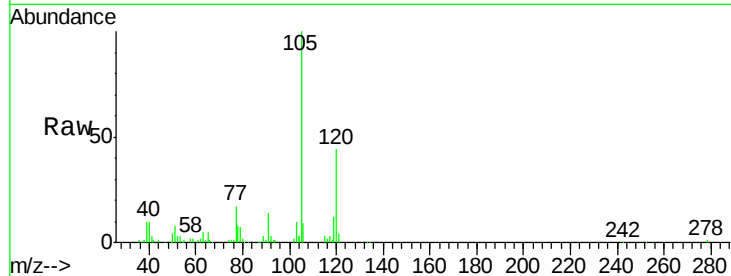
#73
 1,3,5-Trimethylbenzene
 Concen: 0.455 ppbv
 RT: 16.15 min Scan# 4110
 Delta R.T. -0.00 min
 Lab File: VL033657.D
 Acq: 6 May 2019 12:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
105	100		
120	42.5	35.5	53.3

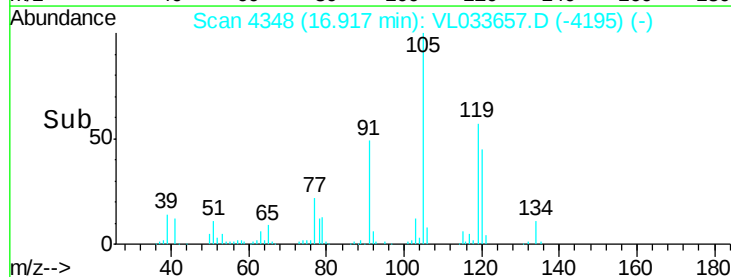
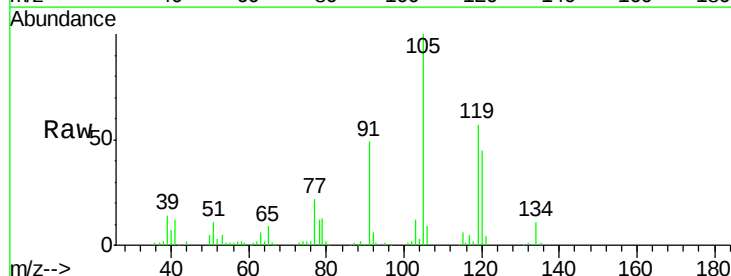
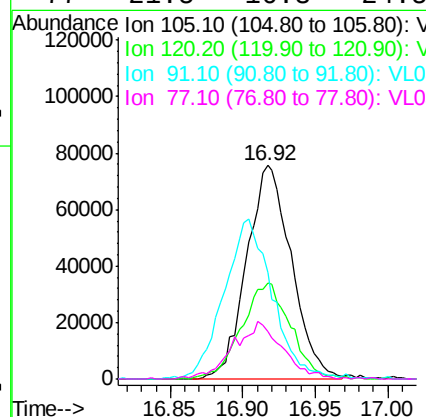
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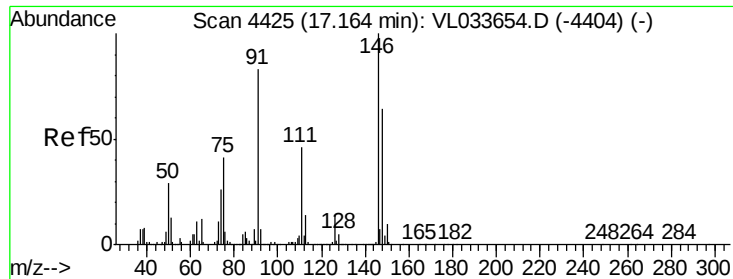
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#74
 1,2,4-Trimethylbenzene
 Concen: 0.509 ppbv
 RT: 16.92 min Scan# 4348
 Delta R.T. -0.01 min
 Lab File: VL033657.D
 Acq: 6 May 2019 12:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.7	36.5	54.7
91	48.5	33.7	50.5
77	21.5	16.3	24.5





#75

1,3-Dichlorobenzene

Concen: 0.535 ppbv m

RT: 17.16 min Scan# 4423

Delta R.T. -0.01 min

Lab File: VL033657.D

Acq: 6 May 2019 12:54

Instrument :

MSVOA_L

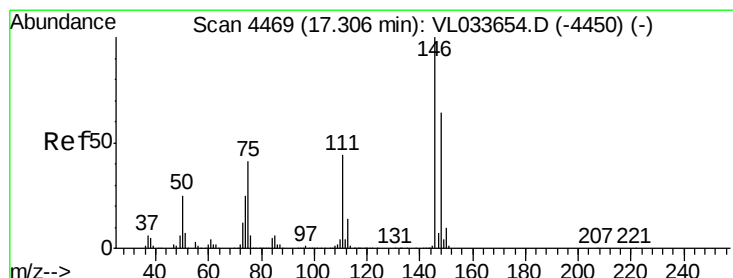
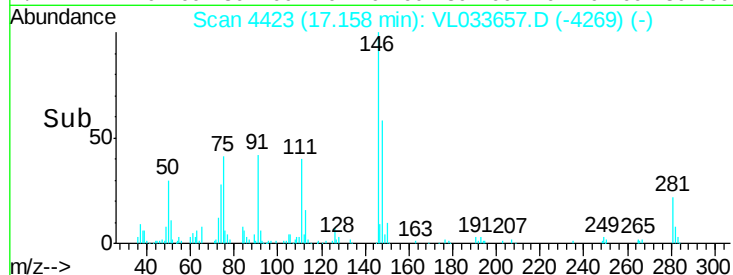
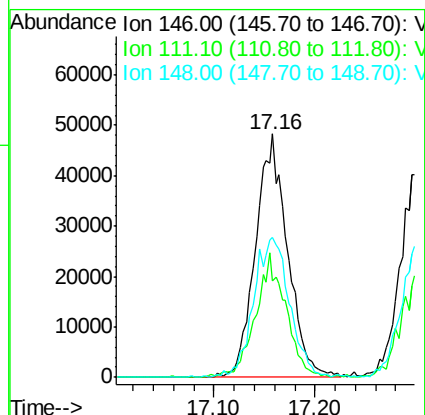
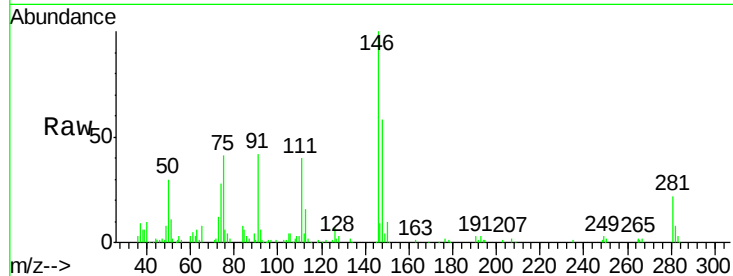
ClientSampleId :

VSTDIC0.5

Tot Ion:	146	Resp:	105960
Ion Ratio	Lower	Upper	
146	100		
111	48.5	22.6	67.7
148	65.3	31.8	95.4

Manual Integrations
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#76

1,4-Dichlorobenzene

Concen: 0.491 ppbv

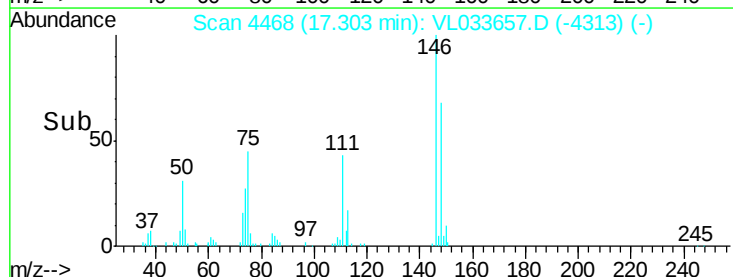
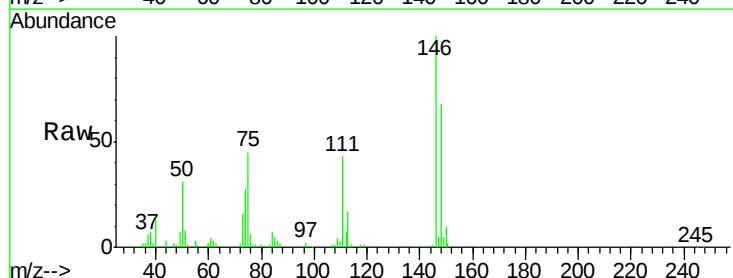
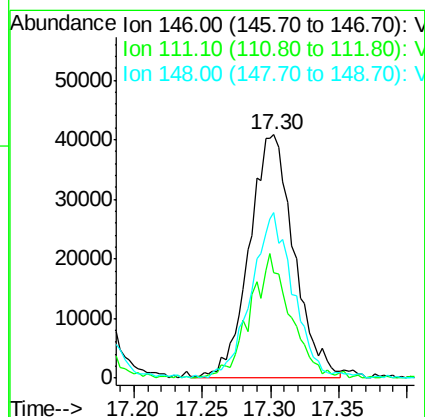
RT: 17.30 min Scan# 4468

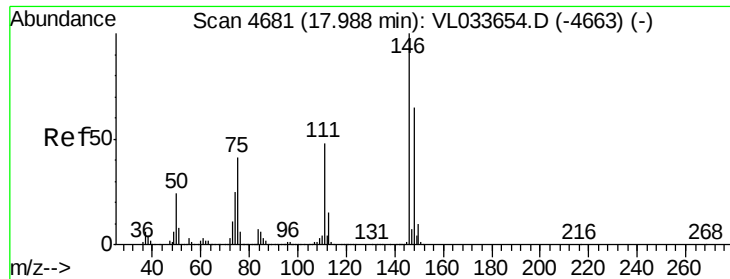
Delta R.T. -0.00 min

Lab File: VL033657.D

Acq: 6 May 2019 12:54

Tgt Ion:	146	Resp:	92675
Ion Ratio	Lower	Upper	
146	100		
111	46.9	21.9	65.7
148	65.0	32.0	96.0





#77

1,2-Dichlorobenzene

Concen: 0.513 ppbv m

RT: 17.98 min Scan# 4680

Delta R.T. -0.00 min

Lab File: VL033657.D

Acq: 6 May 2019 12:54

Instrument :

MSVOA_L

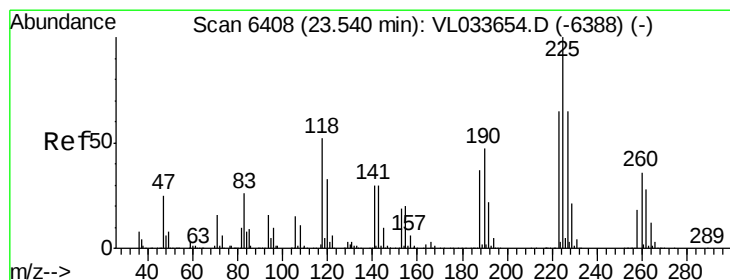
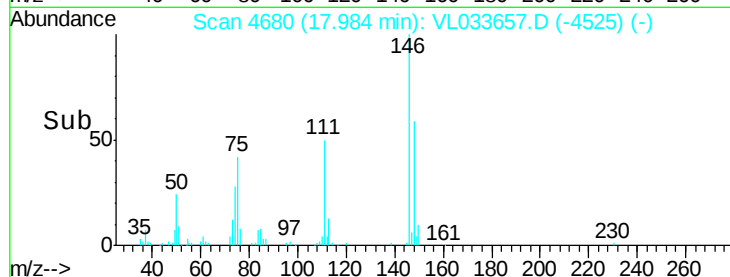
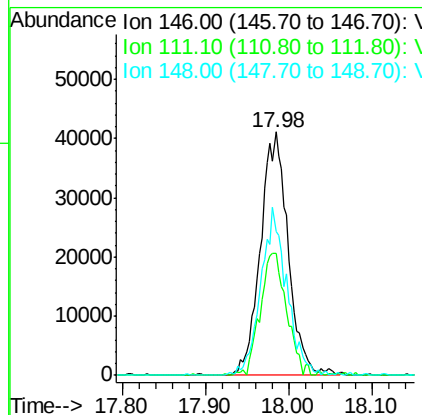
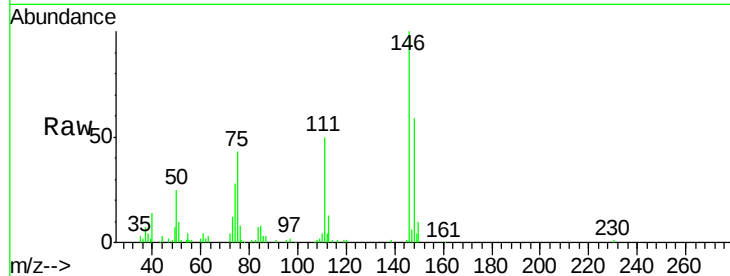
ClientSampleId :

VSTDIC0.5

Tot Ion:	146	Resp:	94501
Ion Ratio	Lower	Upper	
146	100		
111	0.0	23.4	70.0#
148	0.0	31.9	95.9#

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#78

Hexachloro-1,3-Butadiene

Concen: 0.576 ppbv

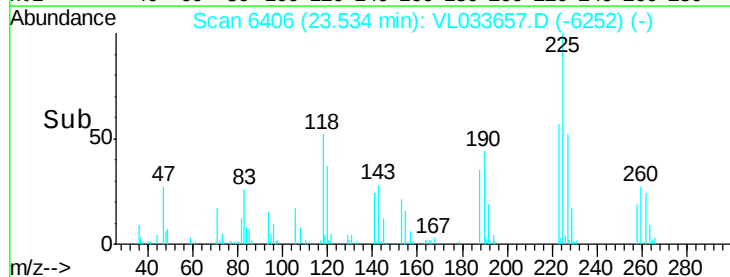
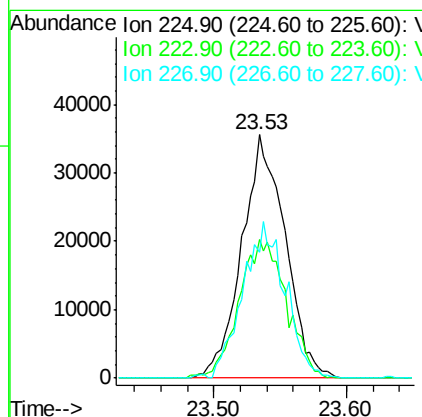
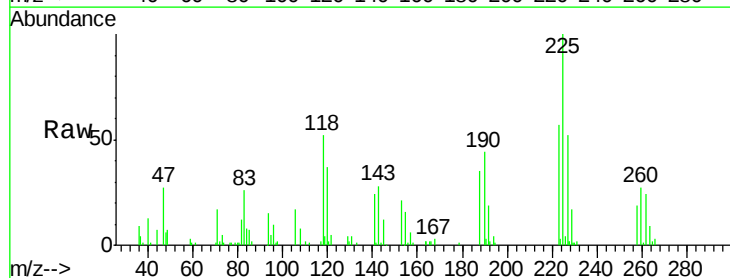
RT: 23.53 min Scan# 6406

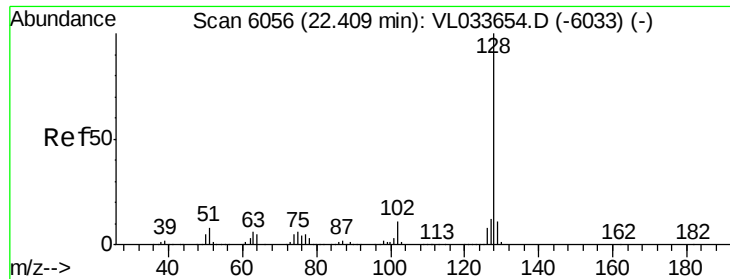
Delta R.T. -0.01 min

Lab File: VL033657.D

Acq: 6 May 2019 12:54

Tgt Ion:	225	Resp:	81027
Ion Ratio	Lower	Upper	
225	100		
223	62.0	50.7	76.1
227	63.3	51.4	77.2





#79

Naphthalene

Concen: 0.397 ppbv m

RT: 22.41 min Scan# 6057

Delta R.T. 0.00 min

Lab File: VL033657.D

Acq: 6 May 2019 12:54

Instrument :

MSVOA_L

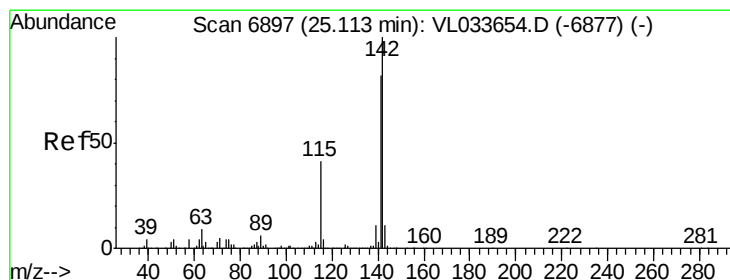
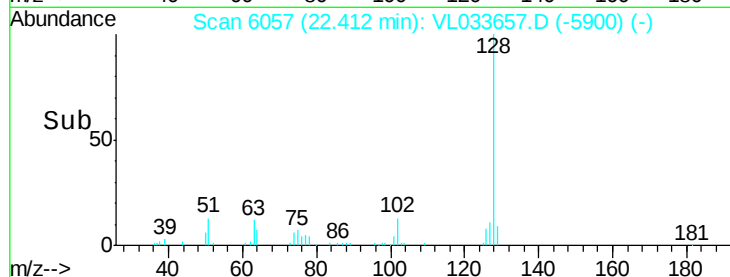
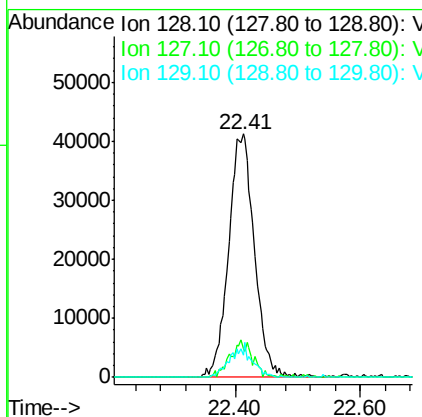
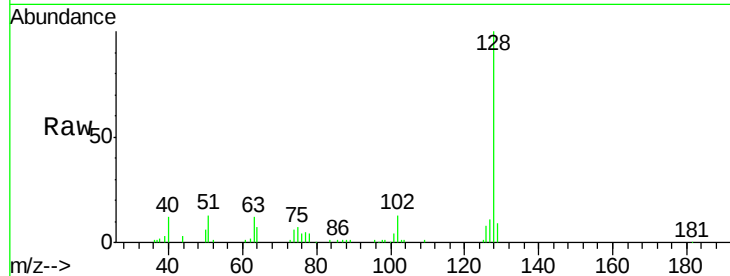
ClientSampleId :

VSTDIC0.5

Tot Ion:	128	Resp:	118324
Ion	Ratio	Lower	Upper
128	100		
127	11.5	9.8	14.8
129	9.1	8.8	13.2

Manual Integrations
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#80

Naphthalene, 2-methyl-

Concen: 0.254 ppbv

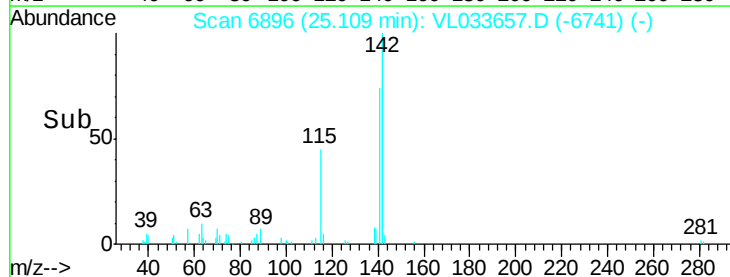
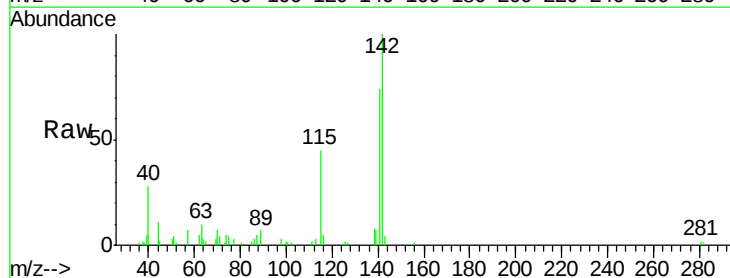
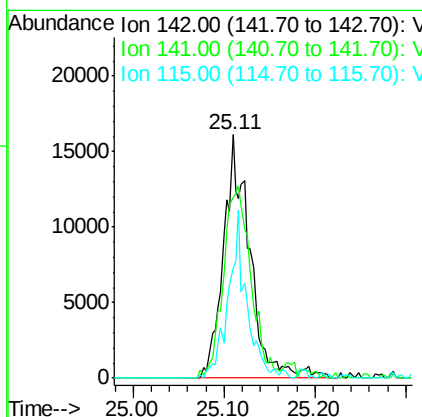
RT: 25.11 min Scan# 6896

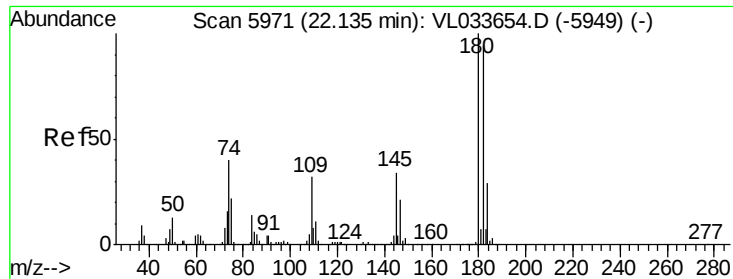
Delta R.T. -0.00 min

Lab File: VL033657.D

Acq: 6 May 2019 12:54

Tgt Ion:	142	Resp:	32130
Ion	Ratio	Lower	Upper
142	100		
141	83.2	67.8	101.8
115	48.6	34.2	51.4





#81
 1,2,4-Trichlorobenzene
 Concen: 0.473 ppbv m
 RT: 22.13 min Scan# 5970
 Delta R.T. -0.00 min
 Lab File: VL033657.D
 Acq: 6 May 2019 12:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	77.4	116.0
184	30.0	24.6	36.8

Manual Integrations
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