

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060719\
 Data File : VL033876.D
 Acq On : 7 Jun 2019 3:21
 Operator : SY/AP
 Sample : VSTDIC001
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 6/11/2019 9:18:22 AM

Quant Time: Jun 07 08:51:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL060719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 07 2019
 QLast Update : Fri Jun 07 05:42:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.75	49	958326	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	2231516	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	2212524	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.56	95	1876907	10.49	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.07	85	185770	0.960	ppbv	99
3) Chlorodifluoromethane	3.01	51	119090	1.079	ppbv	98
4) Chloromethane	3.16	50	67688	1.073	ppbv	93
5) Vinyl Chloride	3.28	62	63187	0.983	ppbv #	88
6) Bromomethane	3.51	94	39420	1.004	ppbv	94
7) Chloroethane	3.59	64	24623	1.072	ppbv	90
8) Dichlorotetrafluoroethane	3.21	85	170164	1.031	ppbv	100
9) Propene	3.03	41	40942	0.890	ppbv	100
10) Heptane	8.23	43	98706m	0.758	ppbv	
11) Trichlorofluoromethane	3.99	101	206382	1.064	ppbv	94
12) 1,1,2-Trichlorotrifluoroet	4.54	101	133428	0.988	ppbv	99
13) Ethanol	3.64	45	17204m	1.161	ppbv	
14) Bromoethene	3.78	108	48646	0.963	ppbv	97
15) Acetone	3.90	43	150871	1.137	ppbv	96
16) 1,3-Butadiene	3.36	39	49686	0.927	ppbv	97
17) tert-Butyl alcohol	4.35	59	110549	1.001	ppbv	100
18) 1,1-Dichloroethene	4.34	96	54719	0.959	ppbv	95
19) Isopropyl Alcohol	4.02	45	79723	0.924	ppbv #	92
20) Methylene Chloride	4.40	84	55330	1.073	ppbv	97
21) Allyl Chloride	4.47	41	75602	0.916	ppbv	96
22) trans-1,2-Dichloroethene	4.95	96	59103	0.993	ppbv	96
23) Vinyl Acetate	5.14	43	157173	0.901	ppbv #	96
24) 1,1-Dichloroethane	5.08	63	126325	0.945	ppbv	96
25) Ethyl Acetate	5.76	43	211722	0.914	ppbv	99
26) Hexane	5.77	57	98434	0.991	ppbv	92
27) Carbon Disulfide	4.62	76	122134	0.885	ppbv #	90
28) Methyl tert-Butyl Ether	5.11	73	134463	0.817	ppbv	99
29) Chloroform	5.83	83	163833	0.889	ppbv	94
30) Cyclohexane	7.23	84	59302m	0.715	ppbv	
31) cis-1,2-Dichloroethene	5.63	61	76327	0.766	ppbv	87
32) 1,1,1-Trichloroethane	6.61	97	160459	0.871	ppbv	99
34) 2-Butanone	5.32	43	120382	0.873	ppbv	98
35) Carbon Tetrachloride	7.12	117	171476	0.958	ppbv	96
36) Benzene	6.99	78	159328	0.799	ppbv	96
37) 1,2-Dichloroethane	6.40	62	121969	0.927	ppbv	99
38) Trichloroethene	7.95	130	66149	0.875	ppbv	96
39) 1,2-Dichloropropane	7.72	63	58261	0.780	ppbv	86
40) 1,4-Dioxane	7.97	88	26545m	0.842	ppbv	
41) Tetrahydrofuran	6.15	42	59145	0.780	ppbv	92
42) Bromodichloromethane	7.90	83	159046	0.887	ppbv	94
43) Methyl Methacrylate	8.12	69	53746	0.726	ppbv	90

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

44) 2,2,4-Trimethylpentane	7.98	57	295373	0.870	ppbv	96
45) t-1,3-Dichloropropene	9.40	75	65148	0.695	ppbv	97
46) cis-1,3-Dichloropropene	8.82	75	76496	0.700	ppbv	98
47) 1,1,2-Trichloroethane	9.60	97	74484	0.870	ppbv #	86
48) Dibromochloromethane	10.43	129	127119	0.853	ppbv	99
49) Bromoform	13.18	173	108765	0.851	ppbv	97
50) 4-Methyl-2-Pentanone	8.87	43	173363	0.825	ppbv	95
51) 2-Hexanone	10.26	43	125170	0.763	ppbv #	94
52) Tetrachloroethene	11.36	164	59894	0.844	ppbv	95
53) Toluene	9.93	91	158594	0.732	ppbv	99
54) 1,2-Dibromoethane	10.75	107	106206	0.814	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.26	131	96468m	0.950	ppbv	
57) Chlorobenzene	12.29	112	161172	0.894	ppbv #	94
58) Ethyl Benzene	12.85	91	229306	0.797	ppbv	98
59) m/p-Xylene	13.13	91	441103m	1.744	ppbv	
60) o-Xylene	13.84	91	221706	0.861	ppbv	100
61) Styrene	13.67	104	129720	0.756	ppbv	96
62) Isopropylbenzene	14.81	105	304517	0.880	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.82	83	179121	0.952	ppbv	99
64) n-propylbenzene	15.71	120	78092m	0.874	ppbv	
65) tert-Butylbenzene	16.89	119	279713	0.884	ppbv	95
66) Benzyl Chloride	17.14	91	122381	0.811	ppbv	99
67) sec-Butylbenzene	17.44	105	399214	0.901	ppbv	99
69) p-Isopropyltoluene	17.80	119	319736	0.872	ppbv	98
70) n-Butylbenzene	18.70	91	358079	0.909	ppbv	97
71) 2-Chlorotoluene	15.60	91	217509	0.848	ppbv	98
72) 4-Ethyltoluene	15.98	105	243517	0.828	ppbv #	96
73) 1,3,5-Trimethylbenzene	16.15	105	245254	0.853	ppbv	96
74) 1,2,4-Trimethylbenzene	16.91	105	297213	0.948	ppbv	92
75) 1,3-Dichlorobenzene	17.15	146	189036	0.982	ppbv	99
76) 1,4-Dichlorobenzene	17.29	146	169877m	0.930	ppbv	
77) 1,2-Dichlorobenzene	17.97	146	172370	0.952	ppbv	99
78) Hexachloro-1,3-Butadiene	23.53	225	146266	1.078	ppbv	99
79) Naphthalene	22.40	128	213645	0.759	ppbv	98
80) Naphthalene, 2-methyl-	25.11	142	76639	0.757	ppbv #	96
81) 1,2,4-Trichlorobenzene	22.12	180	148047	0.881	ppbv	99

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

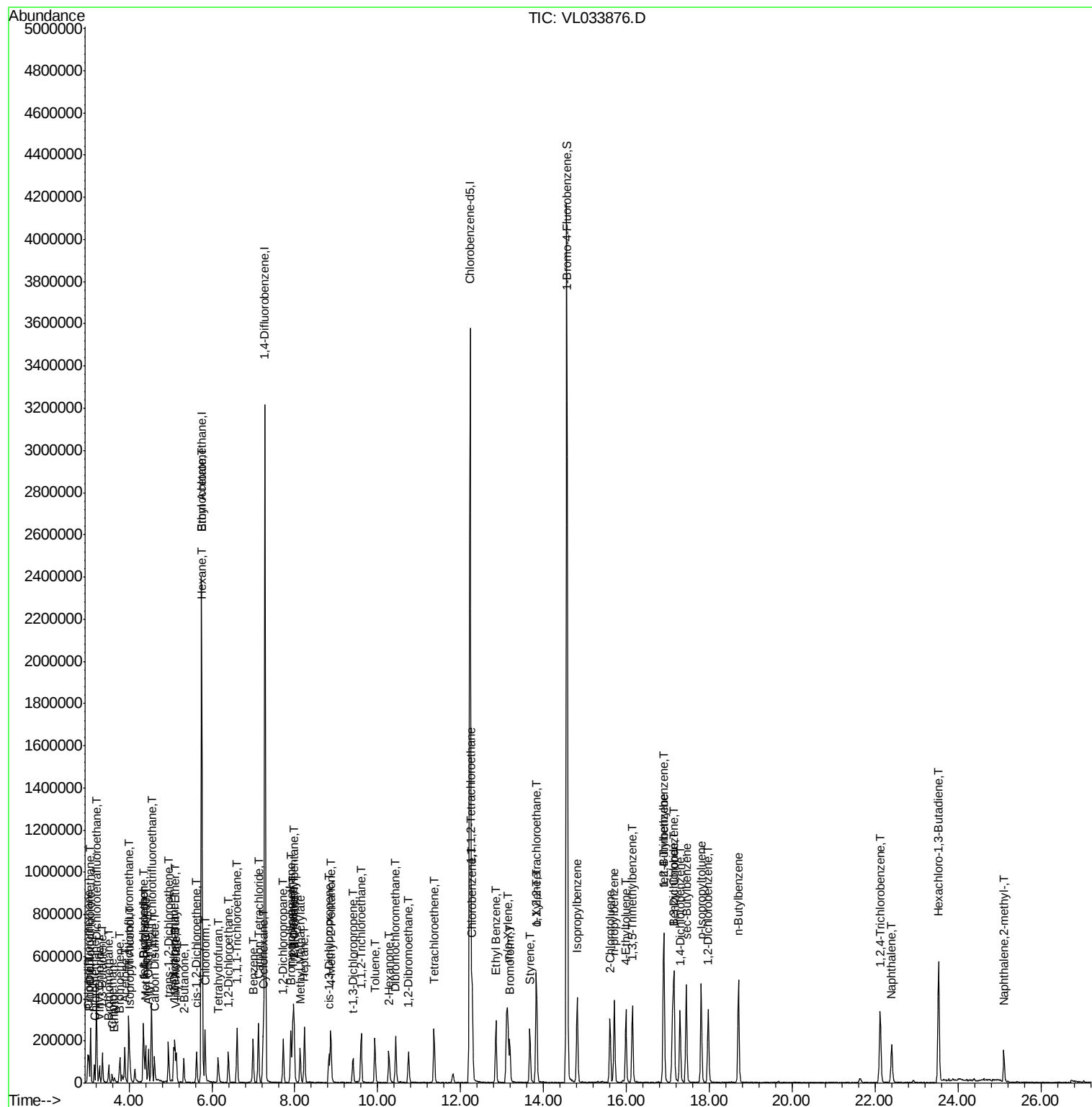
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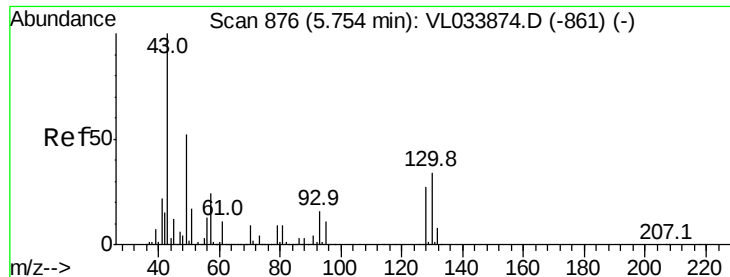
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

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QLast Update : Fri Jun 07 05:42:58 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.75 min Scan# 874

Delta R.T. -0.01 min

Lab File: VL033876.D

Acq: 7 Jun 2019 3:21

Instrument :

MSVOA_L

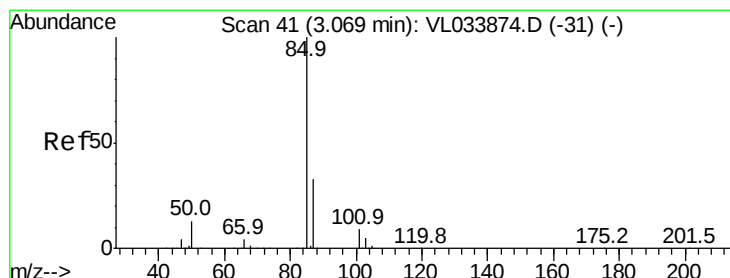
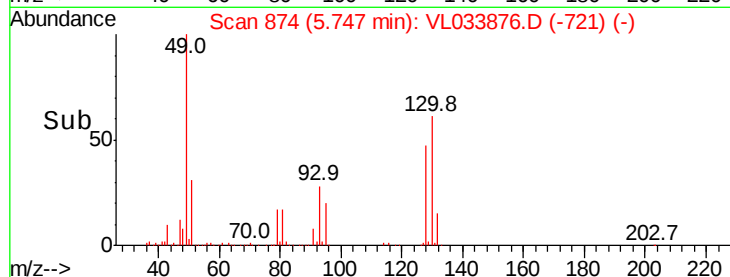
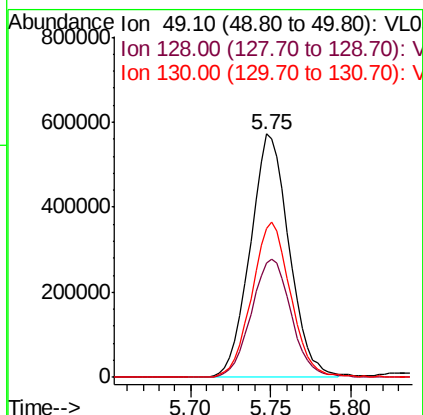
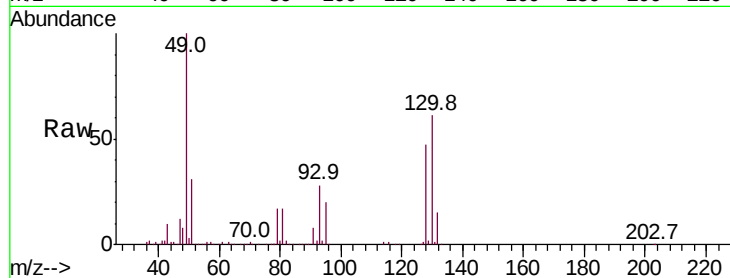
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
49	100		
128	50.0	25.5	76.5
130	64.1	32.5	97.4

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 0.960 ppbv

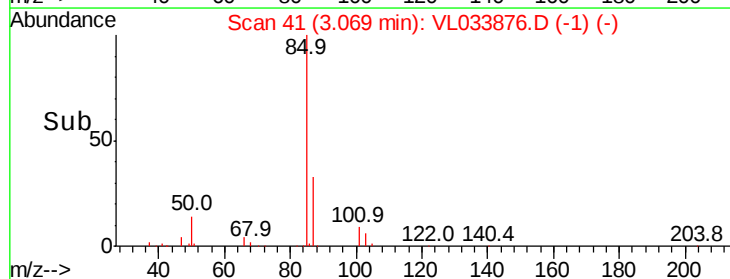
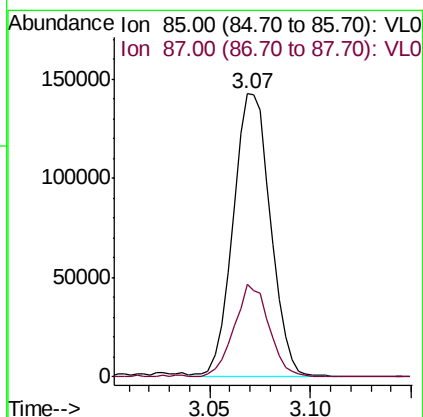
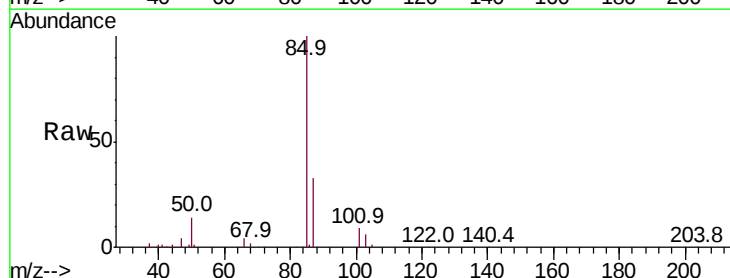
RT: 3.07 min Scan# 41

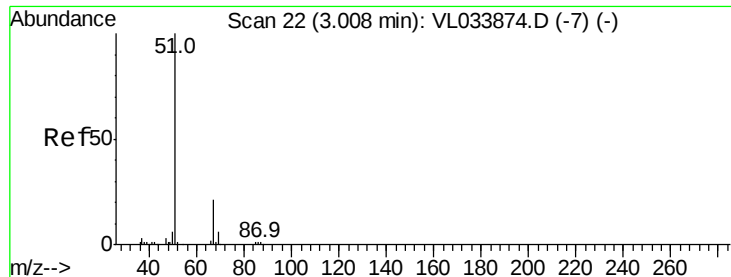
Delta R.T. -0.00 min

Lab File: VL033876.D

Acq: 7 Jun 2019 3:21

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.9	26.6	40.0





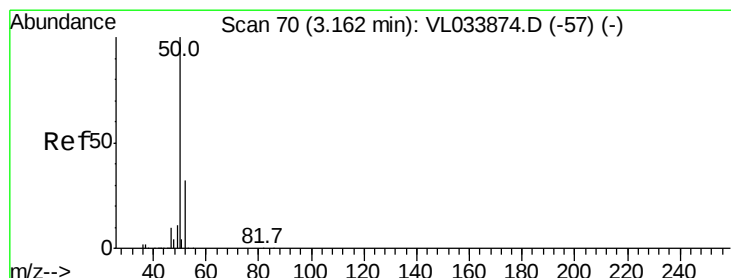
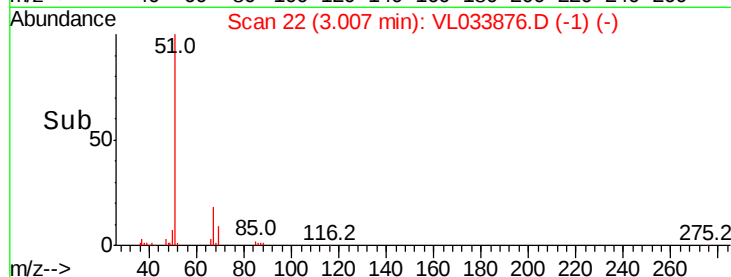
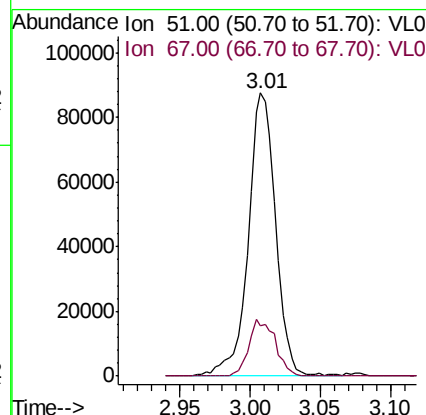
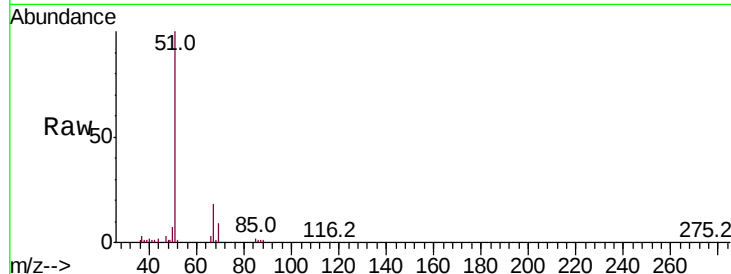
#3
Chlorodifluoromethane
Concen: 1.079 ppbv
RT: 3.01 min Scan# 22
Delta R.T. -0.00 min
Lab File: VL033876.D
Acq: 7 Jun 2019 3:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	51	Resp	119090
Ion Ratio	100	Lower	Upper
51	100		
67	19.3	16.4	24.6

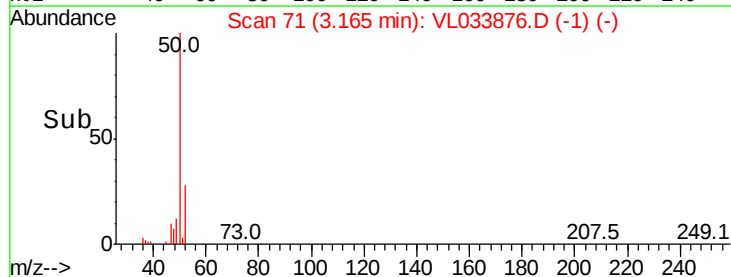
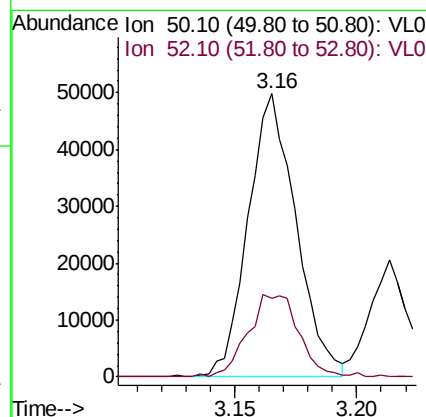
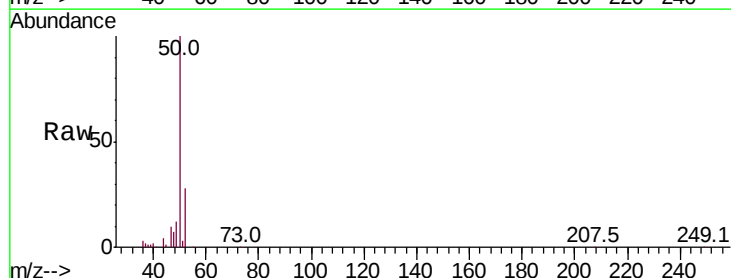
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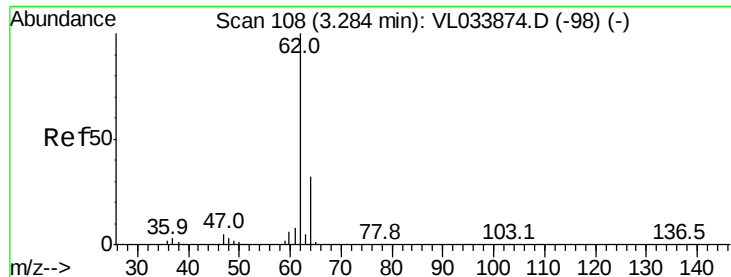
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#4
Chloromethane
Concen: 1.073 ppbv
RT: 3.16 min Scan# 71
Delta R.T. 0.00 min
Lab File: VL033876.D
Acq: 7 Jun 2019 3:21

Tgt Ion	50	Resp	67688
Ion Ratio	100	Lower	Upper
50	100		
52	27.9	25.4	38.0





#5

Vinyl Chloride

Concen: 0.983 ppbv

RT: 3.28 min Scan# 107

Delta R.T. -0.00 min

Lab File: VL033876.D

Acq: 7 Jun 2019 3:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 62 Resp: 63187

Ion Ratio Lower Upper

62 100

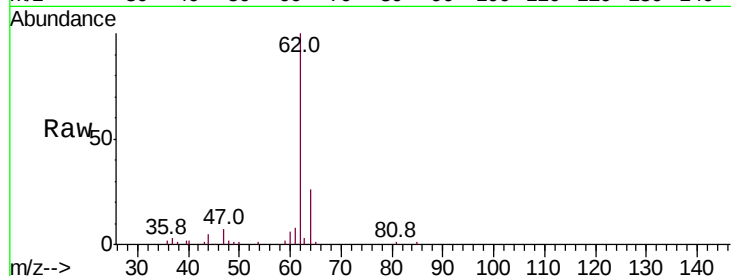
64 25.1 25.2 37.8#

Manual Integrations

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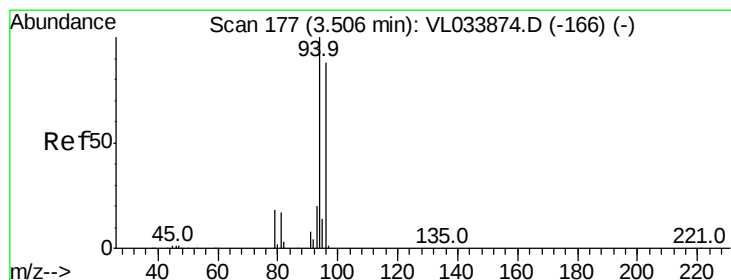
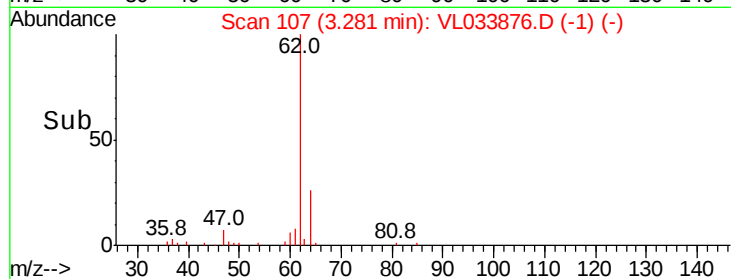
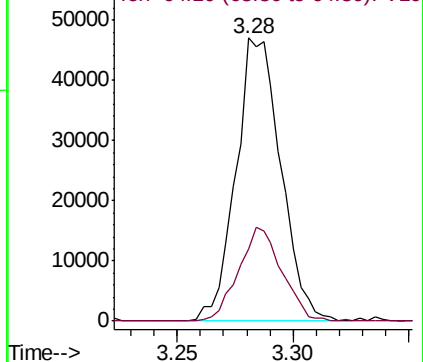
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 1.004 ppbv

RT: 3.51 min Scan# 177

Delta R.T. -0.00 min

Lab File: VL033876.D

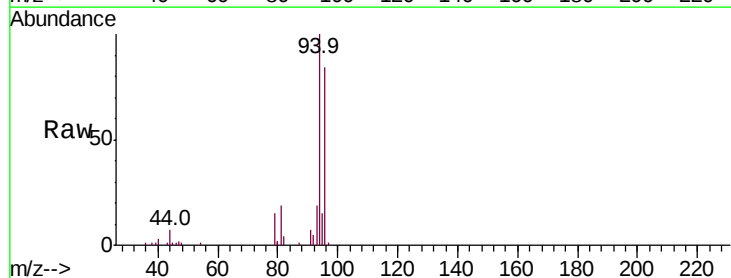
Acq: 7 Jun 2019 3:21

Tgt Ion: 94 Resp: 39420

Ion Ratio Lower Upper

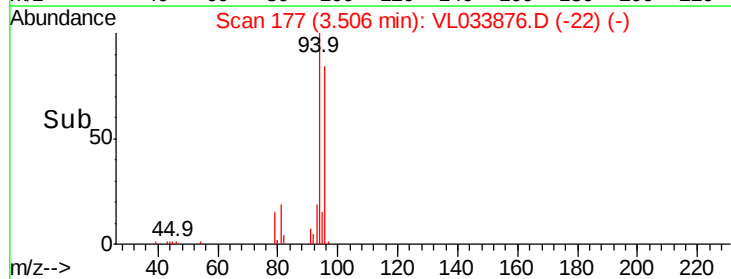
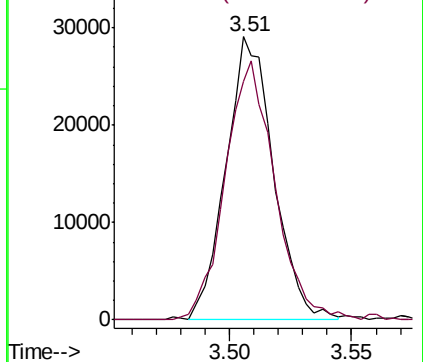
94 100

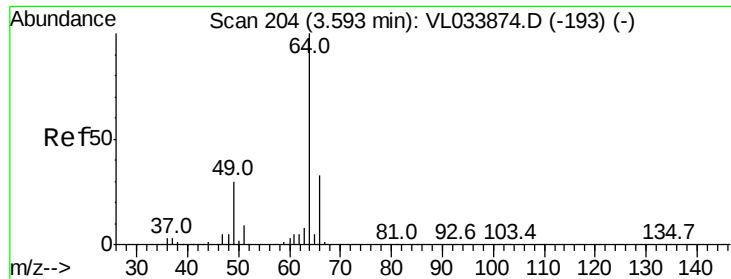
96 82.4 70.2 105.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 1.072 ppbv

RT: 3.59 min Scan# 204

Delta R.T. -0.00 min

Lab File: VL033876.D

Acq: 7 Jun 2019 3:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 64 Resp: 24623

Ion Ratio Lower Upper

64 100

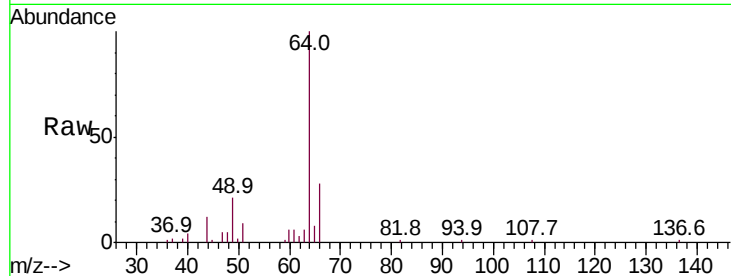
66 27.5 26.7 40.1

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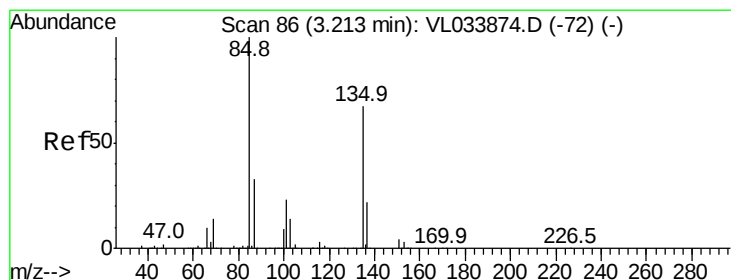
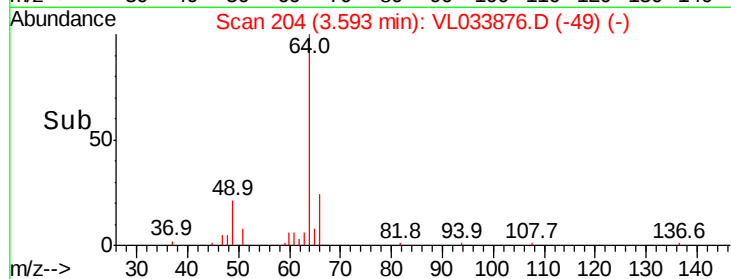
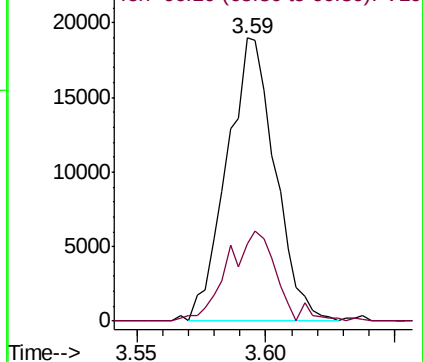
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 1.031 ppbv

RT: 3.21 min Scan# 86

Delta R.T. -0.00 min

Lab File: VL033876.D

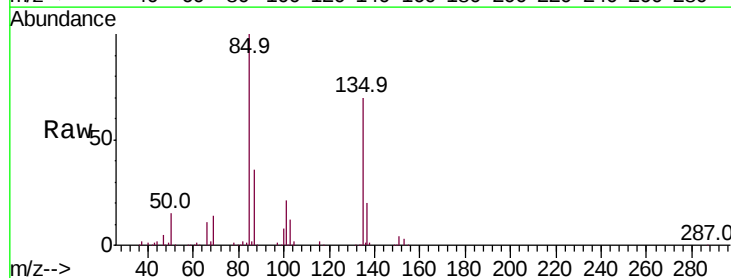
Acq: 7 Jun 2019 3:21

Tgt Ion: 85 Resp: 170164

Ion Ratio Lower Upper

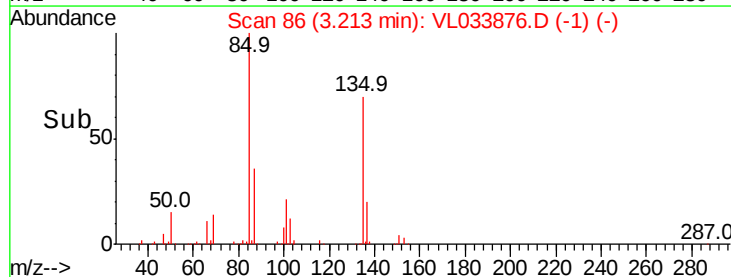
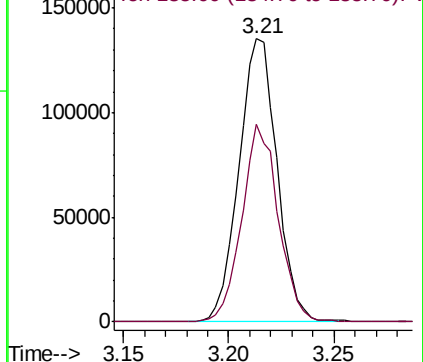
85 100

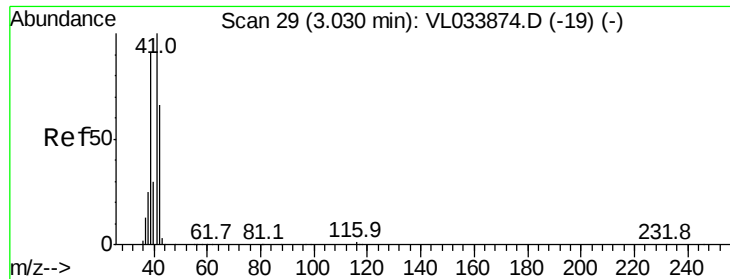
135 66.7 53.7 80.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 0.890 ppbv

RT: 3.03 min Scan# 29

Delta R.T. -0.00 min

Lab File: VL033876.D

Acq: 7 Jun 2019 3:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 41 Resp: 40942

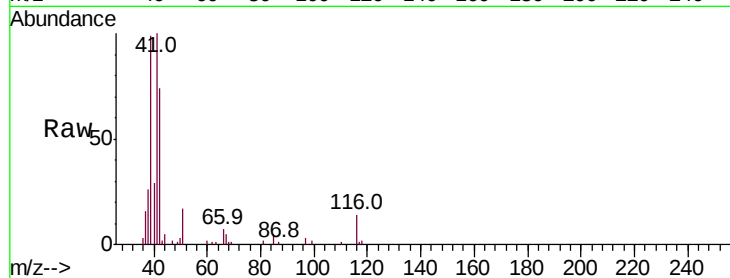
Ion Ratio Lower Upper

41 100

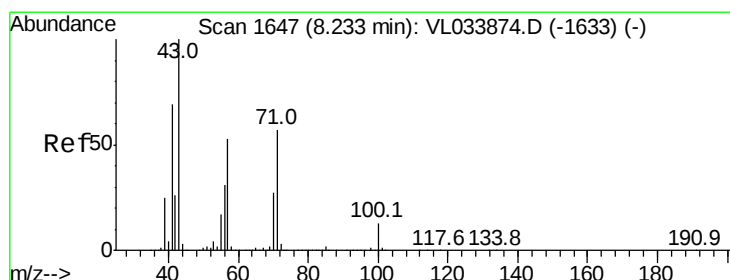
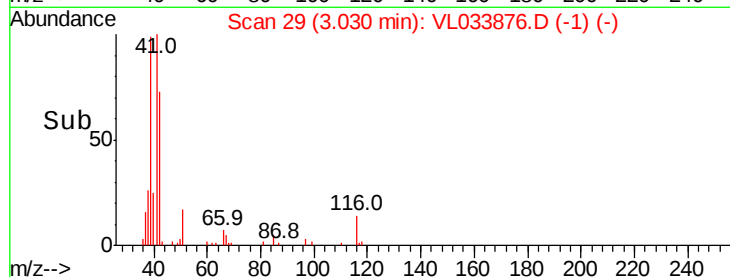
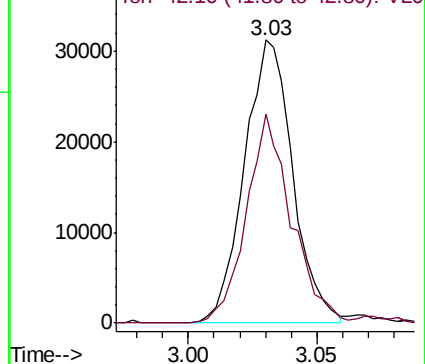
42 70.7 56.3 84.5

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Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 0.758 ppbv m

RT: 8.23 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VL033876.D

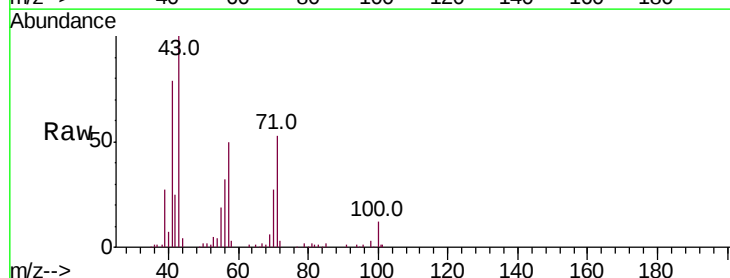
Acq: 7 Jun 2019 3:21

Tgt Ion: 43 Resp: 98706

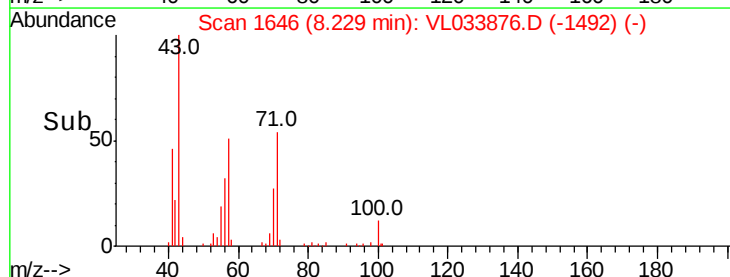
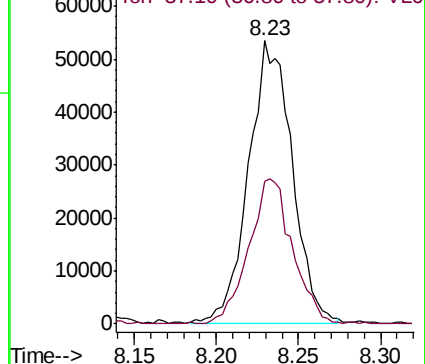
Ion Ratio Lower Upper

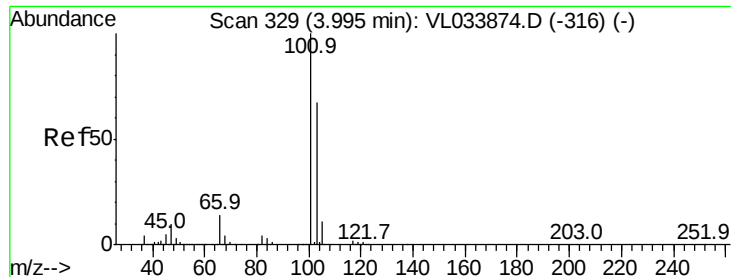
43 100

57 0.0 41.7 62.5#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





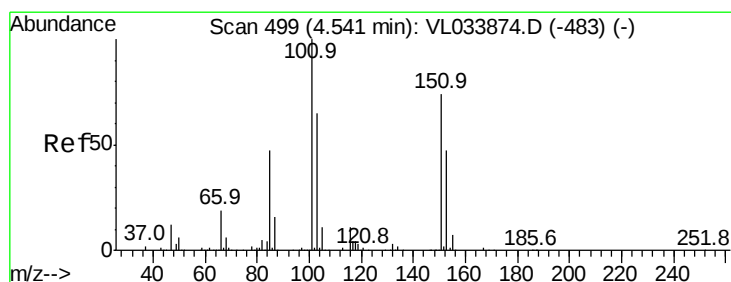
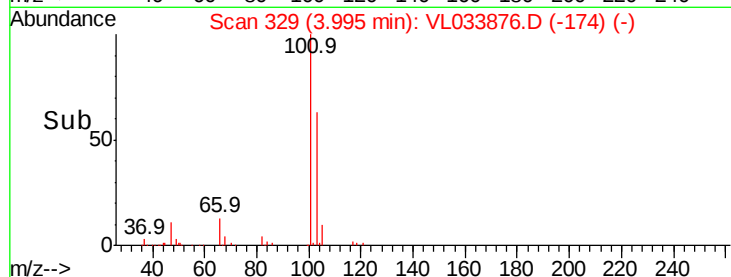
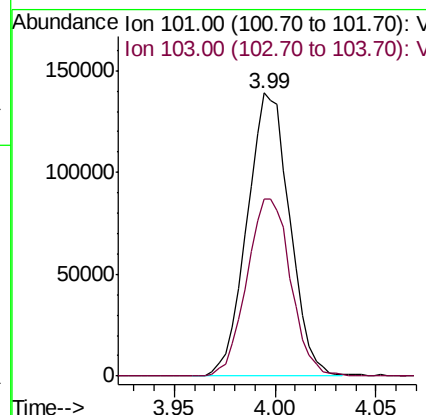
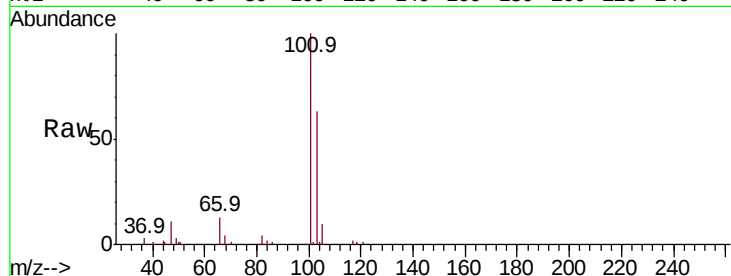
#11
 Trichlorofluoromethane
 Concen: 1.064 ppbv
 RT: 3.99 min Scan# 329
 Delta R.T. -0.00 min
 Lab File: VL033876.D
 Acq: 7 Jun 2019 3:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.6	53.6	80.4

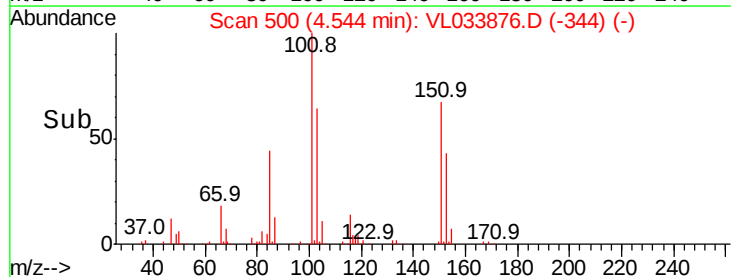
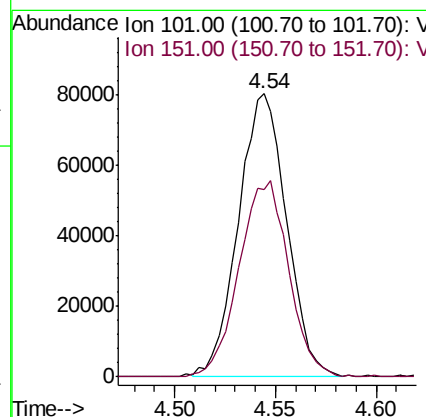
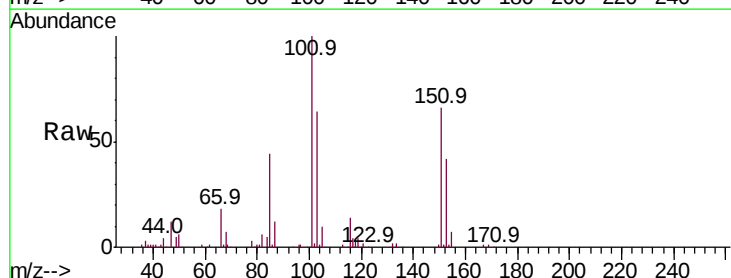
Manual Integrations
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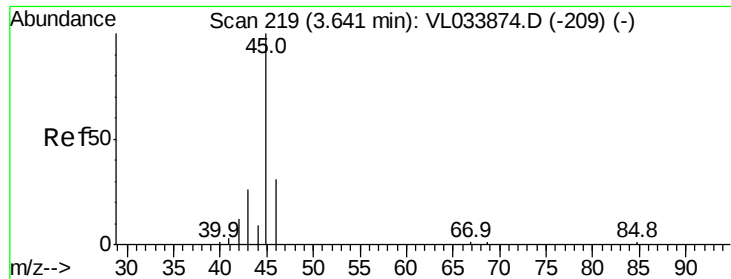
MMDadoda
 6/11/2019 9:18:22 AM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.988 ppbv
 RT: 4.54 min Scan# 500
 Delta R.T. 0.00 min
 Lab File: VL033876.D
 Acq: 7 Jun 2019 3:21

Tgt Ion	Ratio	Lower	Upper
101	100		
151	72.1	58.6	87.8





#13

Ethanol

Concen: 1.161 ppbv m

RT: 3.64 min Scan# 219

Delta R.T. -0.00 min

Lab File: VL033876.D

Acq: 7 Jun 2019 3:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 45 Resp: 17204

Ion Ratio Lower Upper

45 100

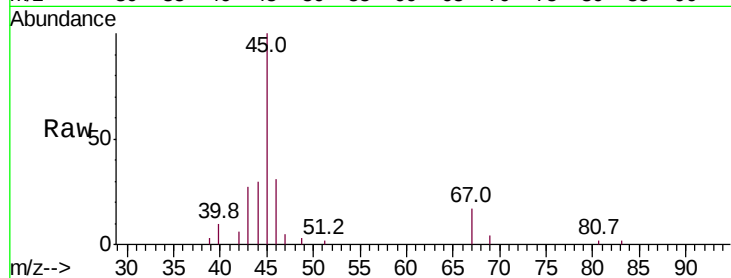
46 38.8 15.3 61.1

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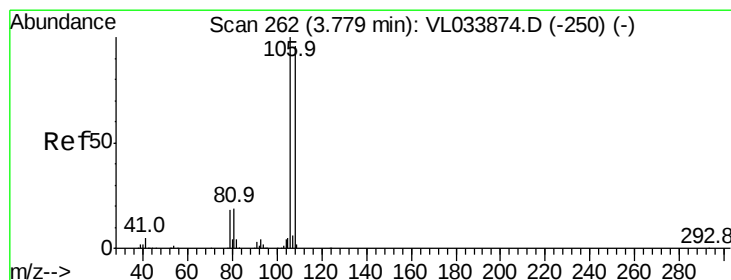
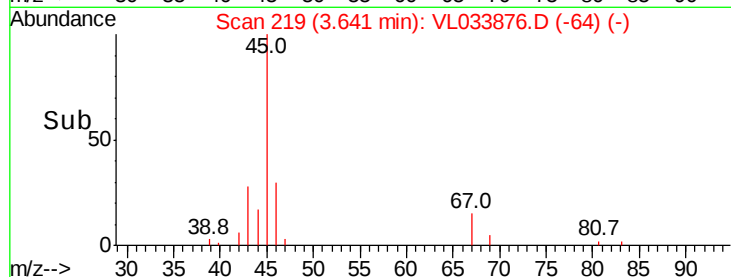
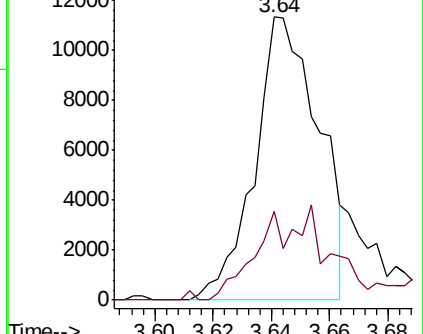
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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 0.963 ppbv

RT: 3.78 min Scan# 262

Delta R.T. -0.00 min

Lab File: VL033876.D

Acq: 7 Jun 2019 3:21

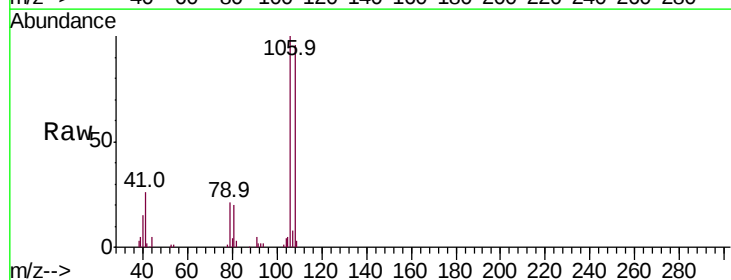
Tgt Ion: 108 Resp: 48646

Ion Ratio Lower Upper

108 100

106 109.1 84.9 127.3

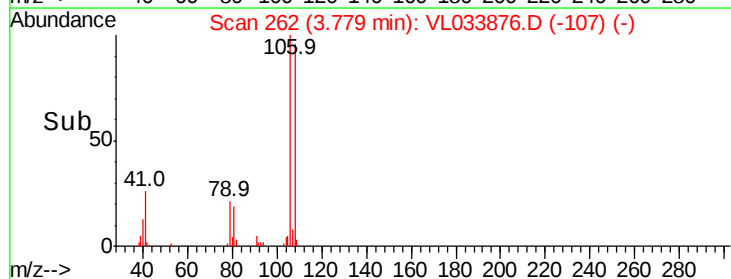
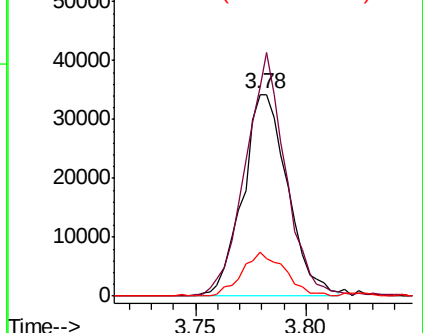
79 21.6 15.4 23.0

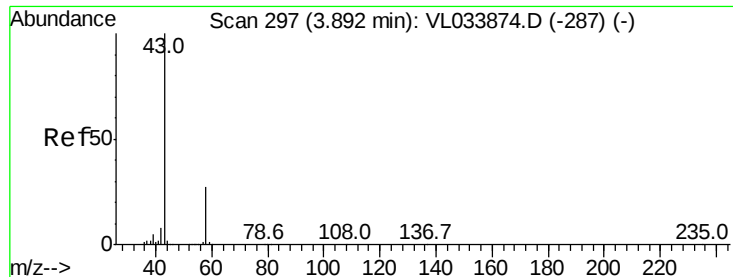


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#15

Acetone

Concen: 1.137 ppbv

RT: 3.90 min Scan# 299

Delta R.T. 0.01 min

Lab File: VL033876.D

Acq: 7 Jun 2019 3:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 150871

Ion Ratio Lower Upper

43 100

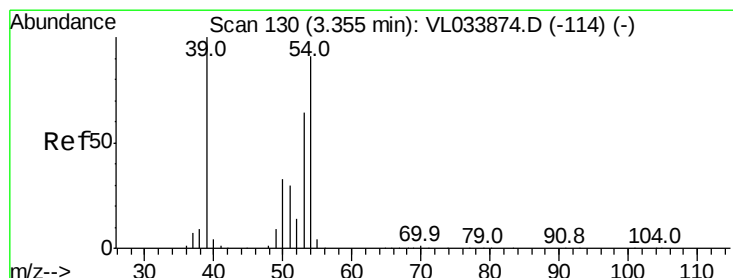
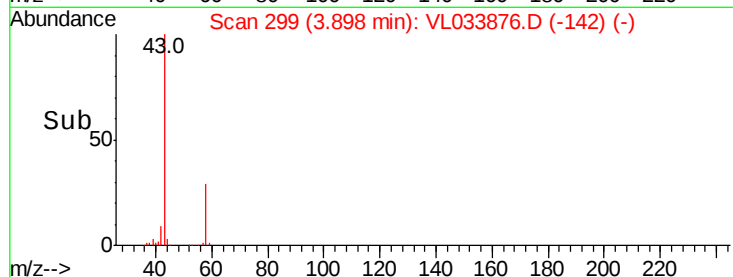
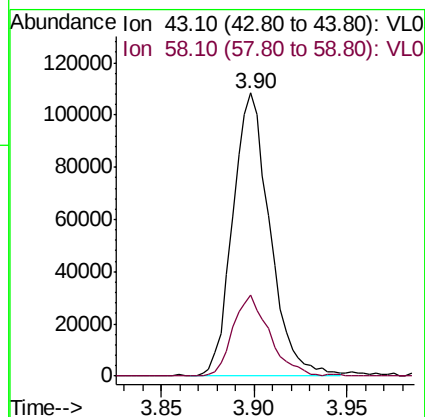
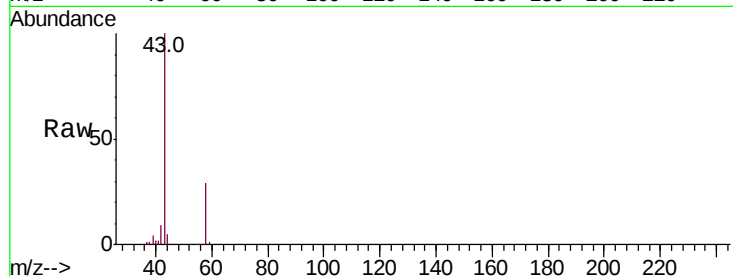
58 28.5 21.3 31.9

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#16

1,3-Butadiene

Concen: 0.927 ppbv

RT: 3.36 min Scan# 131

Delta R.T. 0.00 min

Lab File: VL033876.D

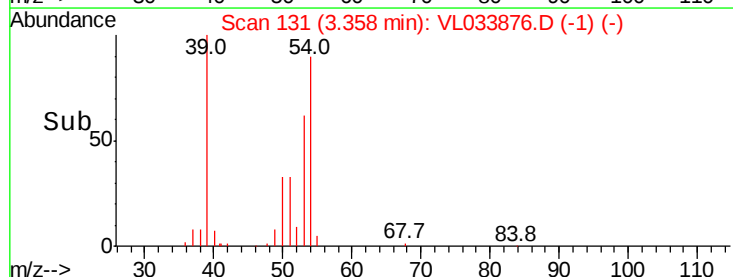
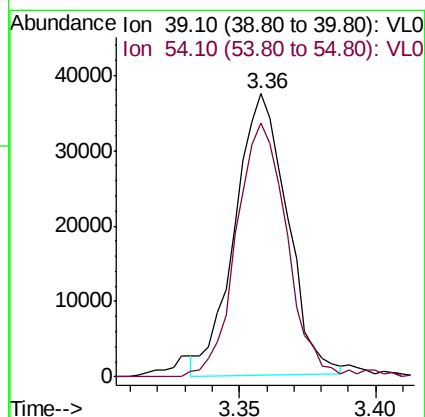
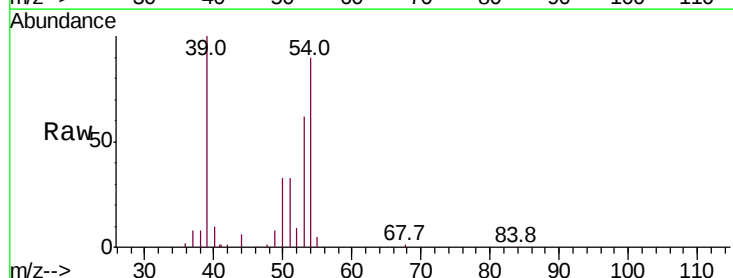
Acq: 7 Jun 2019 3:21

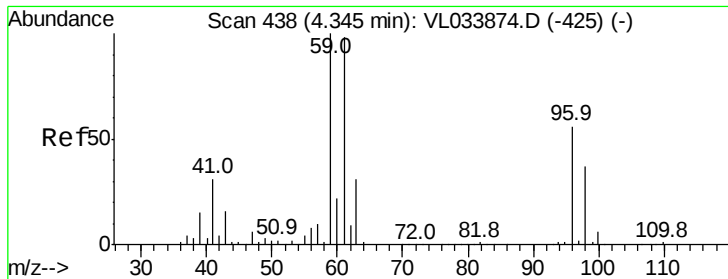
Tgt Ion: 39 Resp: 49686

Ion Ratio Lower Upper

39 100

54 88.3 68.6 103.0





#17

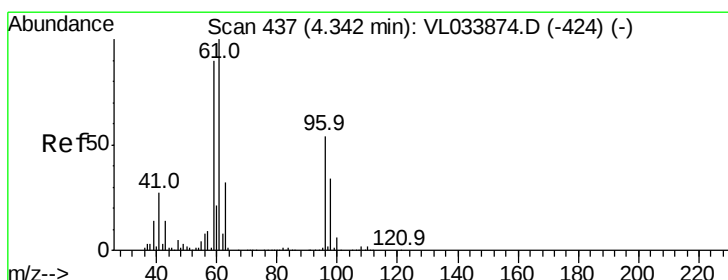
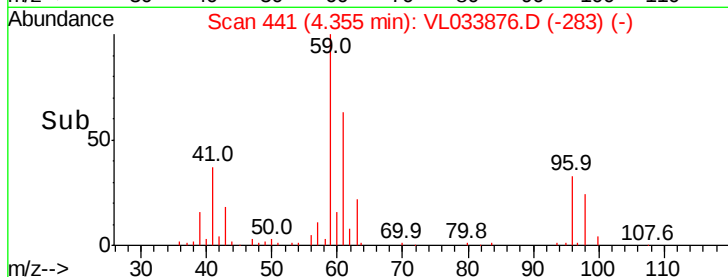
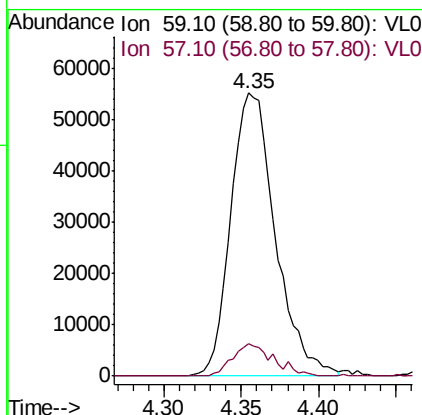
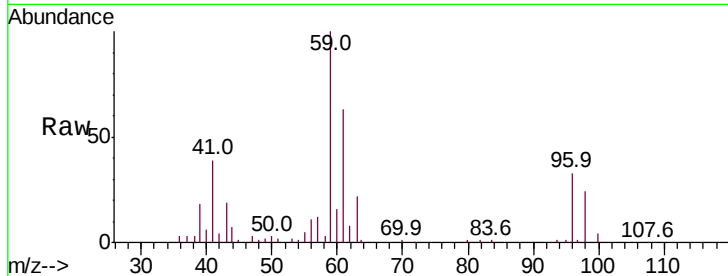
tert-Butyl alcohol
Concen: 1.001 ppbv
RT: 4.35 min Scan# 441
Delta R.T. 0.01 min
Lab File: VL033876.D
Acq: 7 Jun 2019 3:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion: 59 Resp: 110549
Ion Ratio Lower Upper
59 100
57 10.5 8.4 12.6

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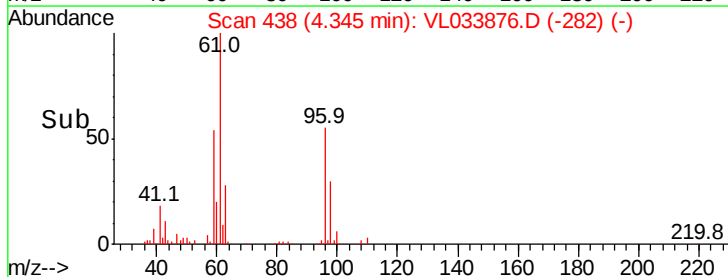
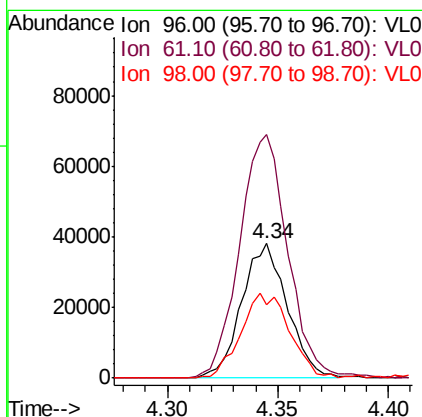
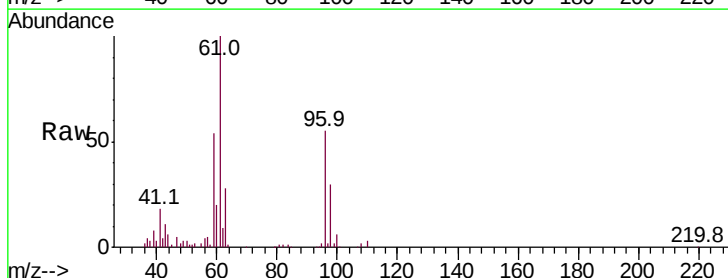
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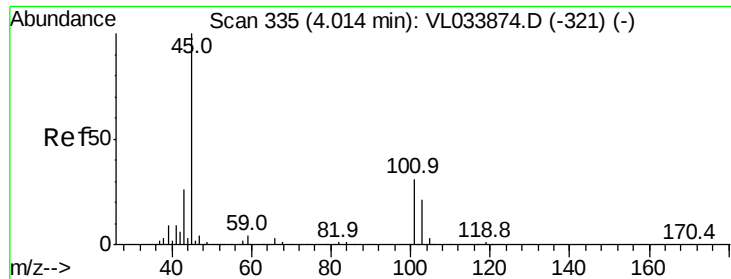


#18

1,1-Dichloroethene
Concen: 0.959 ppbv
RT: 4.34 min Scan# 438
Delta R.T. 0.00 min
Lab File: VL033876.D
Acq: 7 Jun 2019 3:21

Tgt Ion: 96 Resp: 54719
Ion Ratio Lower Upper
96 100
61 179.5 147.0 220.6
98 54.3 49.4 74.0





#19

Isopropyl Alcohol

Concen: 0.924 ppbv

RT: 4.02 min Scan# 338

Delta R.T. 0.01 min

Lab File: VL033876.D

Acq: 7 Jun 2019 3:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 45 Resp: 79723

Ion Ratio Lower Upper

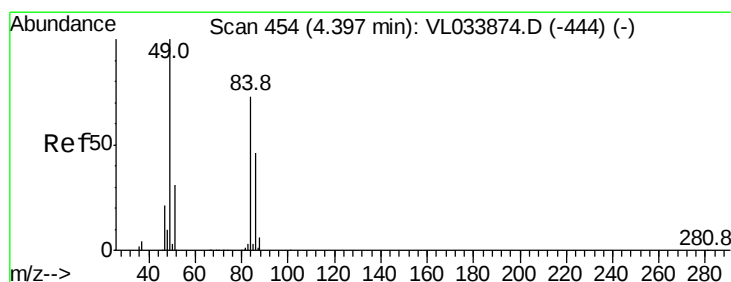
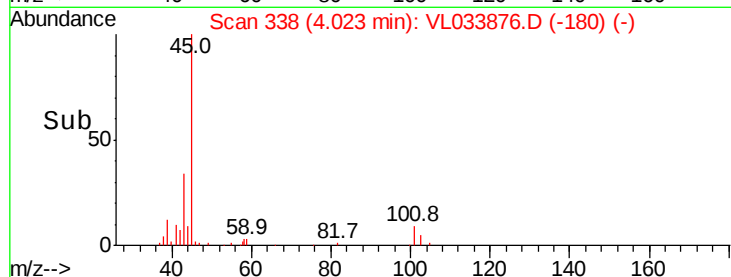
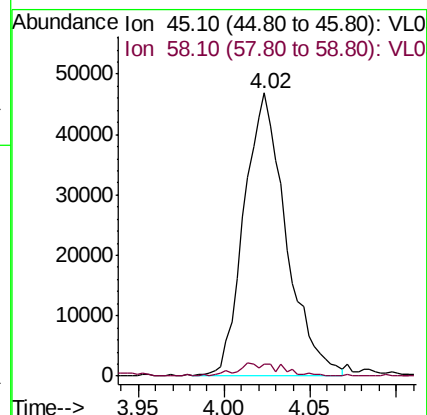
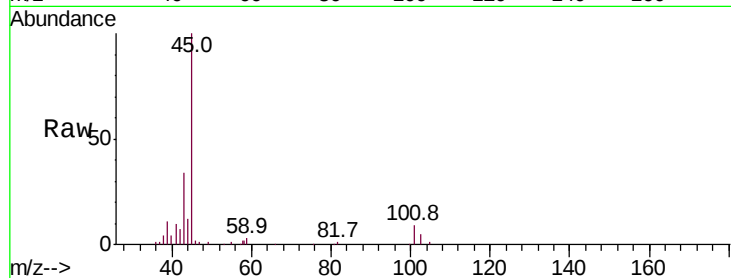
45 100

58 5.1 1.8 2.6#

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#20

Methylene Chloride

Concen: 1.073 ppbv

RT: 4.40 min Scan# 455

Delta R.T. 0.00 min

Lab File: VL033876.D

Acq: 7 Jun 2019 3:21

Tgt Ion: 84 Resp: 55330

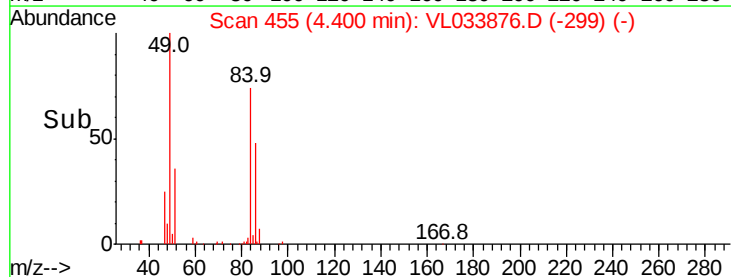
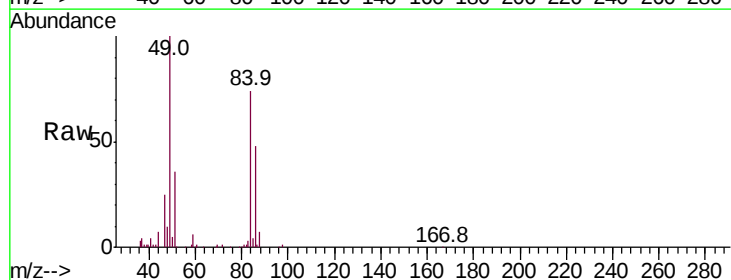
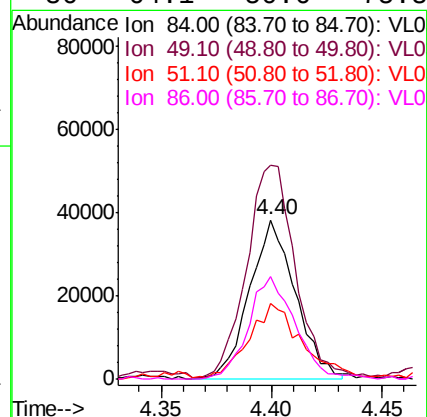
Ion Ratio Lower Upper

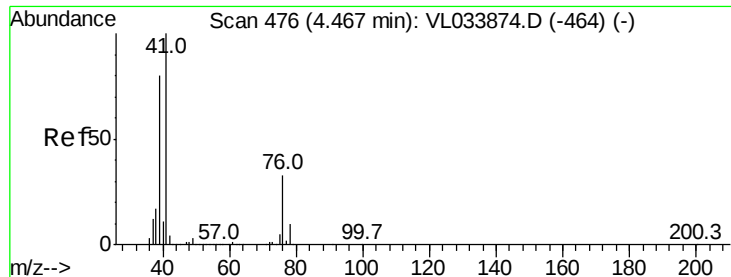
84 100

49 133.3 110.0 165.0

51 47.0 34.6 51.8

86 64.1 50.6 75.8





#21

Allvl Chloride

Concen: 0.916 ppbv

RT: 4.47 min Scan# 477

Delta R.T. 0.00 min

Lab File: VL033876.D

Acq: 7 Jun 2019 3:21

Instrument :

MSVOA_L

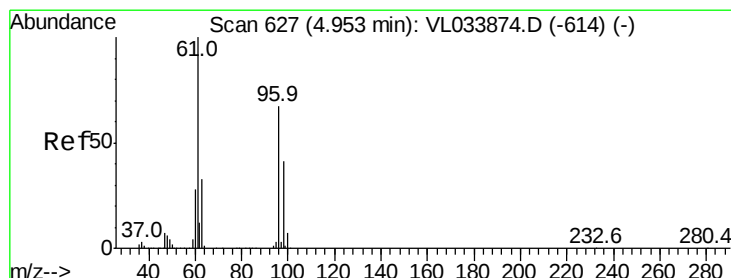
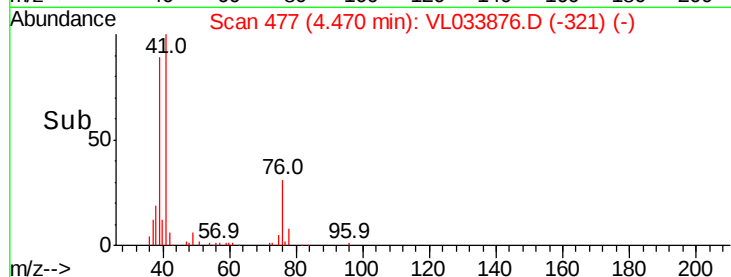
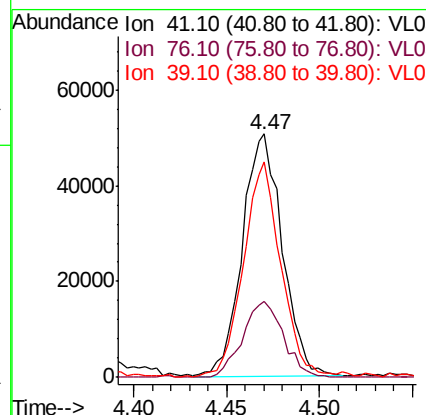
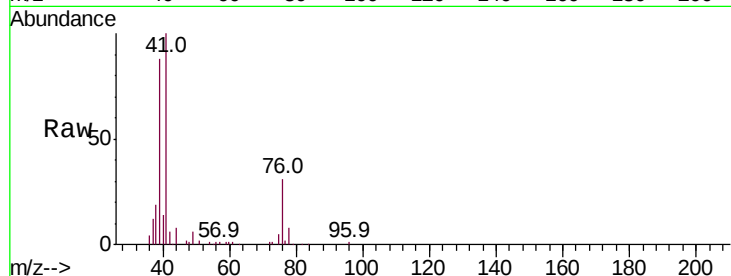
ClientSampleId :

VSTDIC001

Tot Ion:	41	Resp:	75602
Ion Ratio	Lower	Upper	
41	100		
76	31.9	26.6	39.8
39	85.6	65.2	97.8

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#22

trans-1,2-Dichloroethene

Concen: 0.993 ppbv

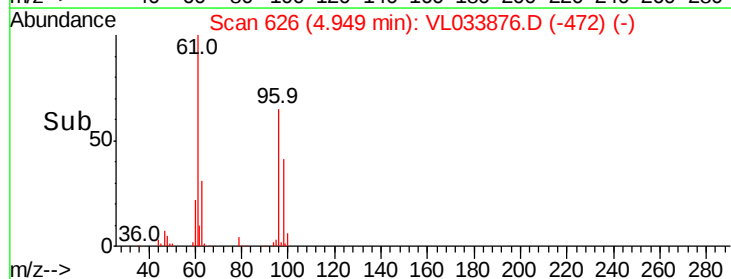
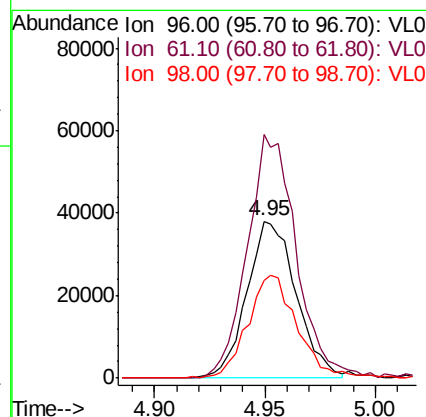
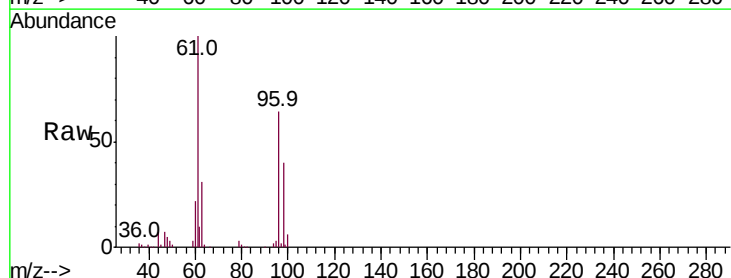
RT: 4.95 min Scan# 626

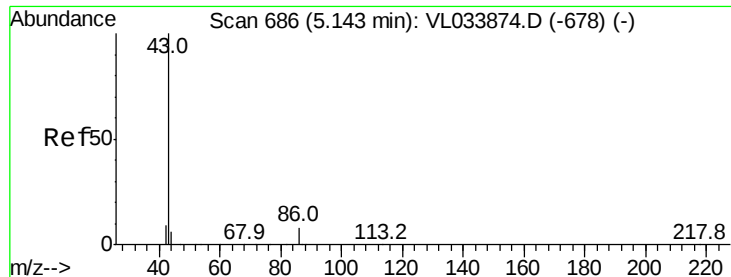
Delta R.T. -0.00 min

Lab File: VL033876.D

Acq: 7 Jun 2019 3:21

Tgt Ion:	96	Resp:	59103
Ion Ratio	Lower	Upper	
96	100		
61	155.2	119.0	178.6
98	62.0	48.3	72.5





#23

Vinyl Acetate

Concen: 0.901 ppbv

RT: 5.14 min Scan# 686

Delta R.T. -0.00 min

Lab File: VL033876.D

Acq: 7 Jun 2019 3:21

Instrument :

MSVOA_L

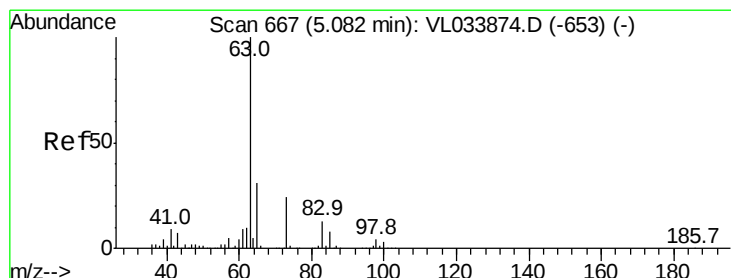
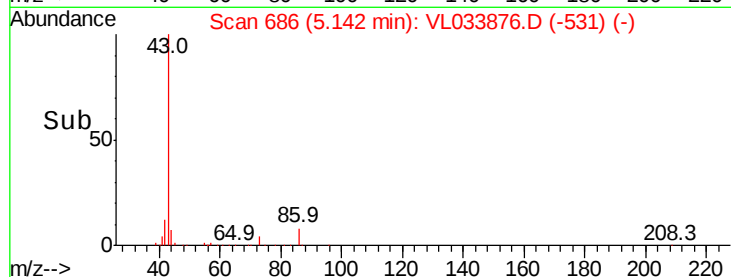
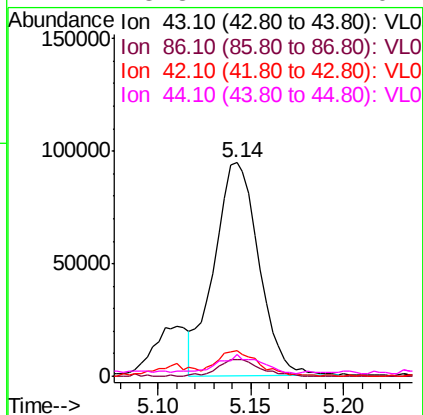
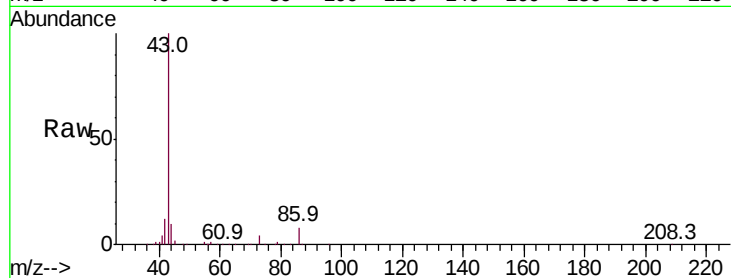
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
43	100	157173		
86	7.5		5.8	8.8
42	11.0		7.8	11.8
44	8.3		4.2	6.4#

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#24

1,1-Dichloroethane

Concen: 0.945 ppbv

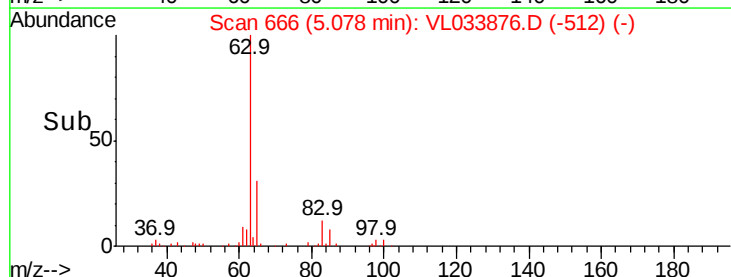
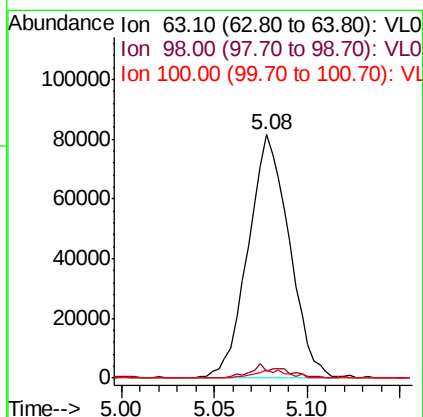
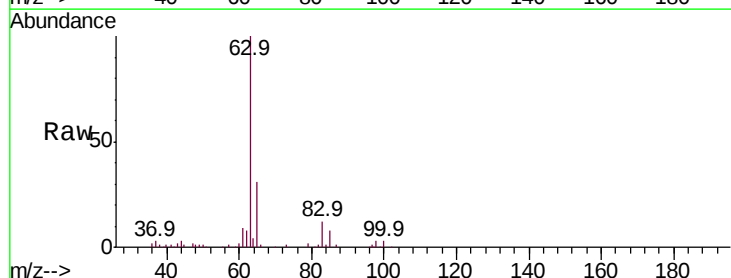
RT: 5.08 min Scan# 666

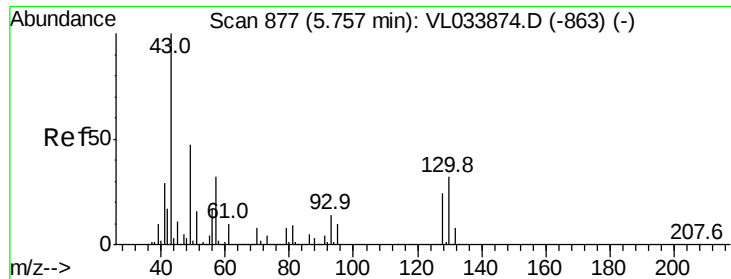
Delta R.T. -0.00 min

Lab File: VL033876.D

Acq: 7 Jun 2019 3:21

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	126325		
98	2.9		2.2	6.6
100	3.3		1.3	3.8





#25

Ethyl Acetate

Concen: 0.914 ppbv

RT: 5.76 min Scan# 878

Delta R.T. 0.00 min

Lab File: VL033876.D

Acq: 7 Jun 2019 3:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 211722

Ion Ratio Lower Upper

43 100

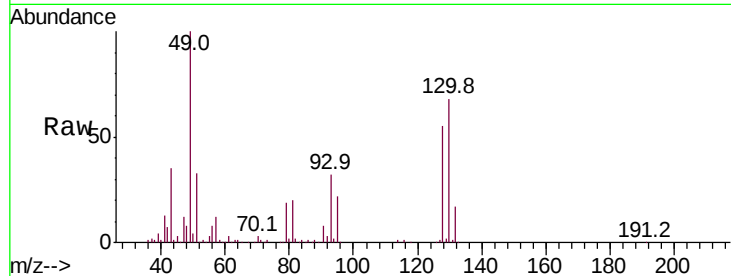
45 9.9 7.9 11.9

61 9.3 7.8 11.6

70 6.9 5.8 8.6

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MMDadoda
6/11/2019 9:18:22 AM

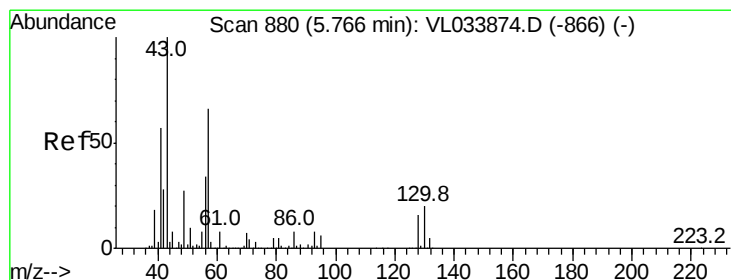
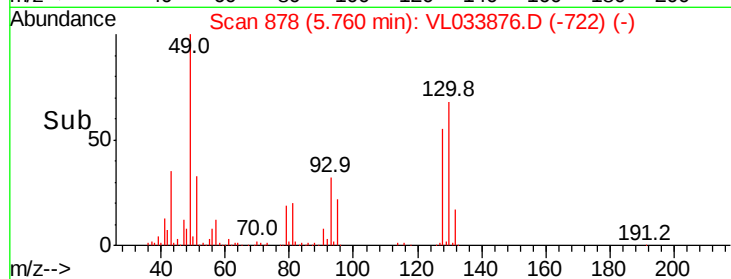
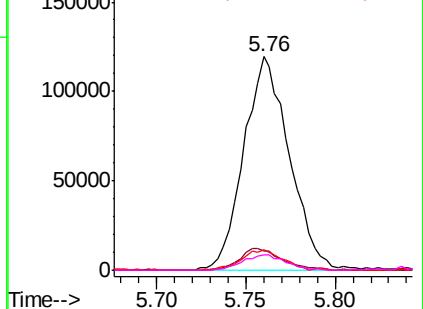


Abundance Ion 43.10 (42.80 to 43.80): VL0

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



#26

Hexane

Concen: 0.991 ppbv

RT: 5.77 min Scan# 880

Delta R.T. -0.00 min

Lab File: VL033876.D

Acq: 7 Jun 2019 3:21

Tgt Ion: 57 Resp: 98434

Ion Ratio Lower Upper

57 100

41 100.3 71.4 107.2

43 218.0 183.7 275.5

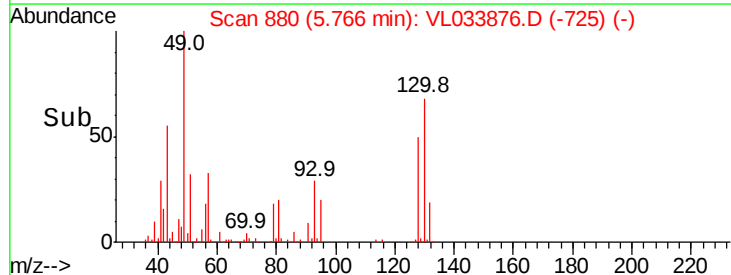
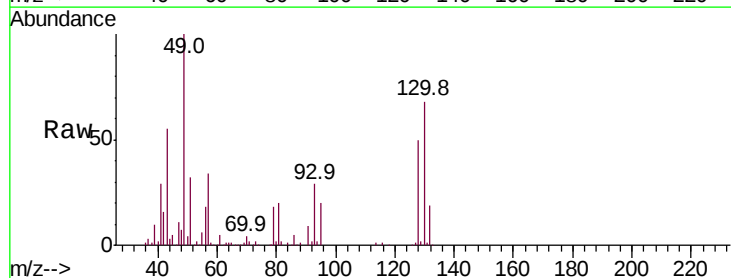
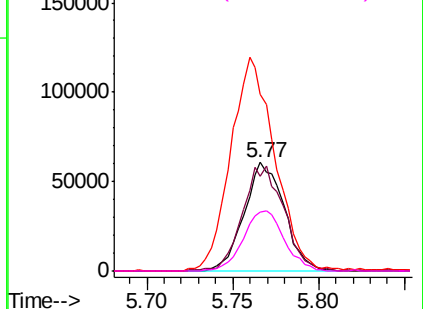
56 56.6 42.7 64.1

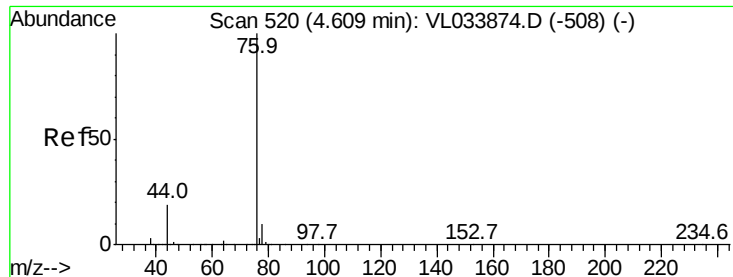
Abundance Ion 57.10 (56.80 to 57.80): VL0

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





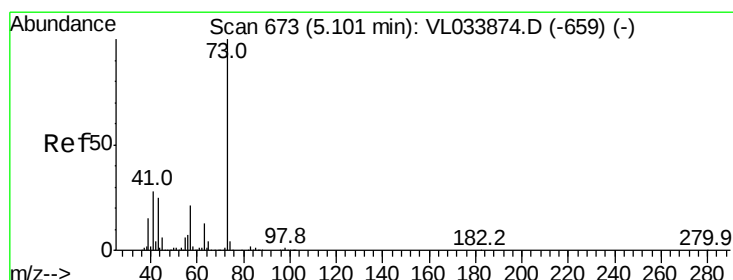
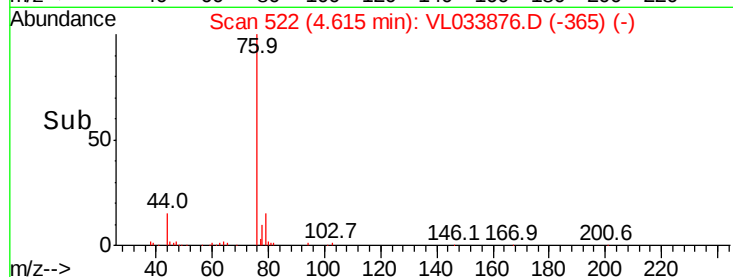
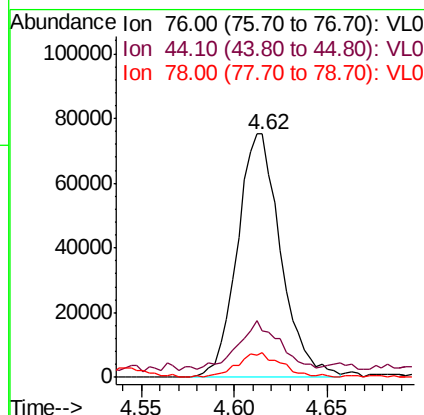
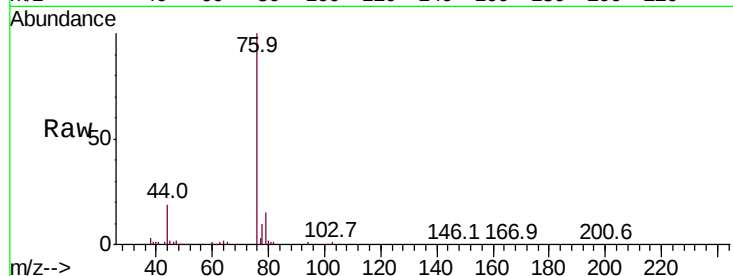
#27
Carbon Disulfide
Concen: 0.885 ppbv
RT: 4.62 min Scan# 522
Delta R.T. 0.01 min
Lab File: VL033876.D
Acq: 7 Jun 2019 3:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
76	100		
44	23.9	14.4	21.6#
78	11.0	7.5	11.3

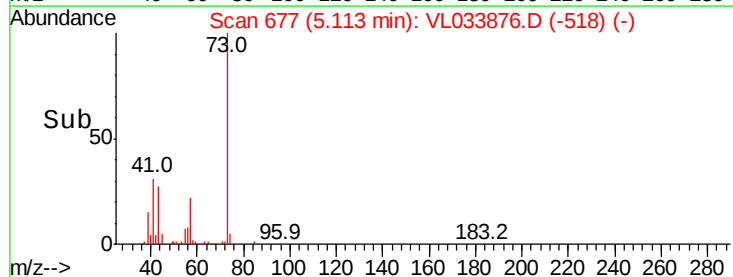
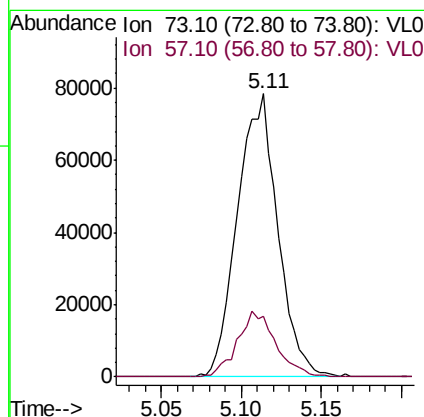
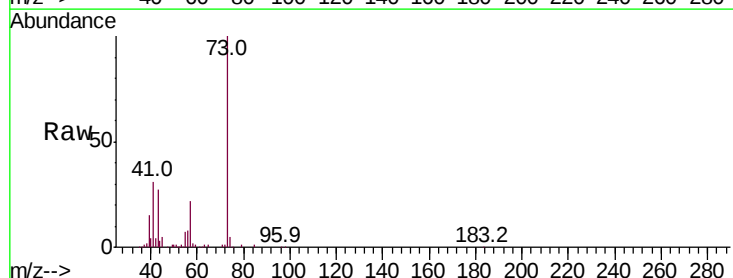
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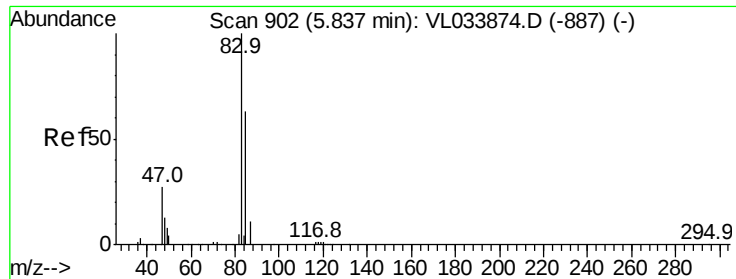
MMDadoda
6/11/2019 9:18:22 AM



#28
Methyl tert-Butyl Ether
Concen: 0.817 ppbv
RT: 5.11 min Scan# 677
Delta R.T. 0.01 min
Lab File: VL033876.D
Acq: 7 Jun 2019 3:21

Tgt Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.2	25.8





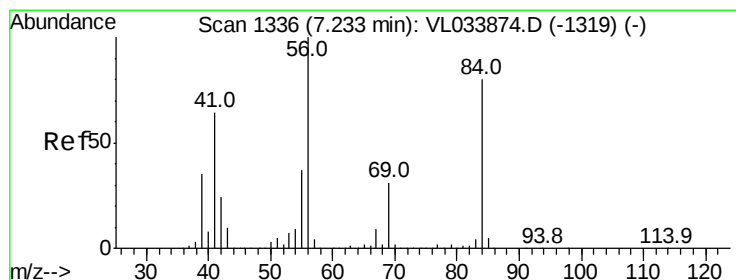
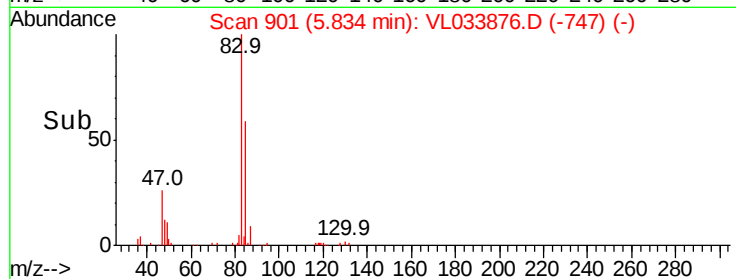
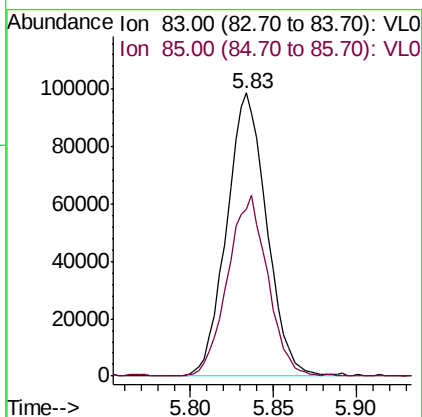
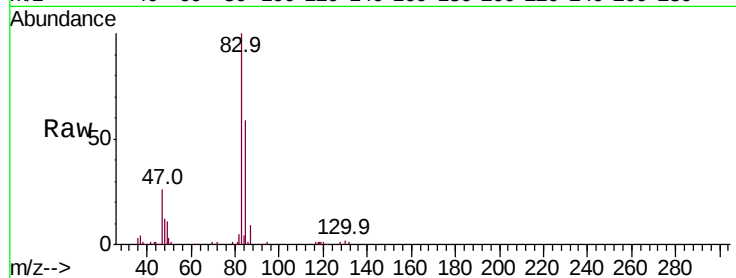
#29
Chloroform
Concen: 0.889 ppbv
RT: 5.83 min Scan# 901
Delta R.T. -0.00 min
Lab File: VL033876.D
Acq: 7 Jun 2019 3:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion: 83 Resp: 163833
Ion Ratio Lower Upper
83 100
85 58.7 50.5 75.7

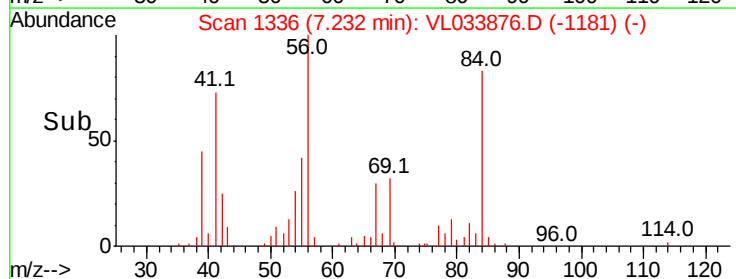
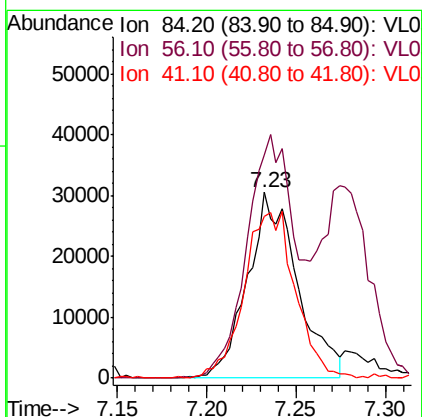
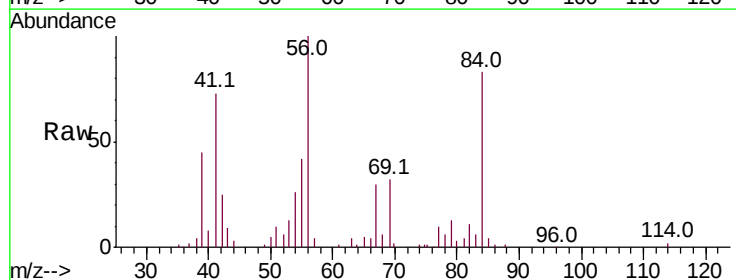
Manual Integrations
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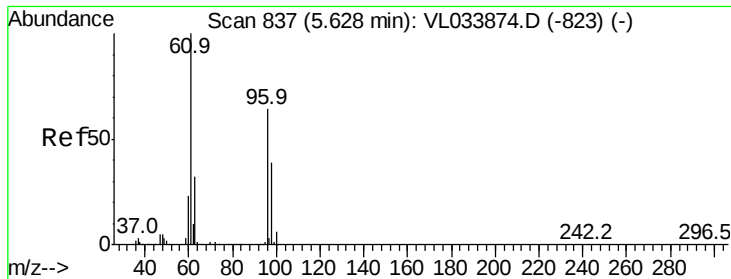
MMDadoda
6/11/2019 9:18:22 AM



#30
Cyclohexane
Concen: 0.715 ppbv m
RT: 7.23 min Scan# 1336
Delta R.T. -0.00 min
Lab File: VL033876.D
Acq: 7 Jun 2019 3:21

Tgt Ion: 84 Resp: 59302
Ion Ratio Lower Upper
84 100
56 122.3 105.8 158.8
41 0.0 65.7 98.5#





#31

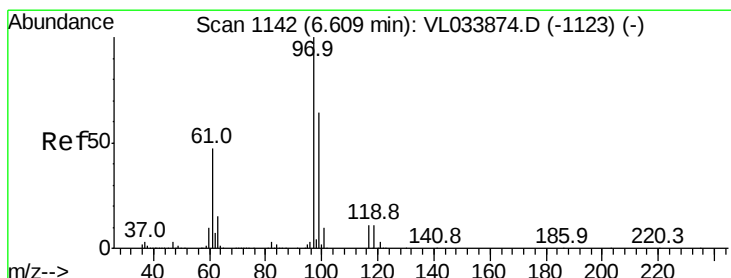
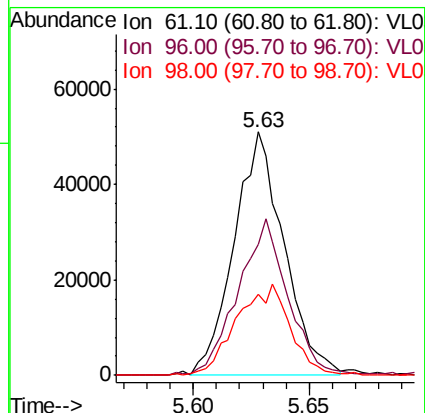
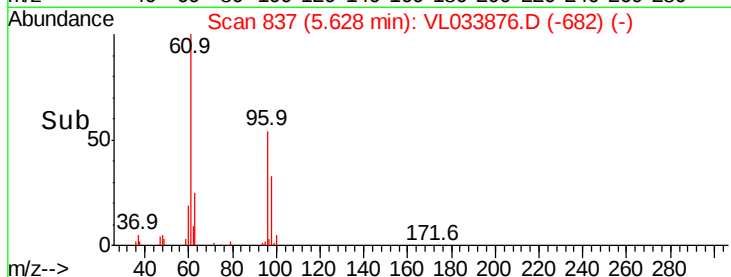
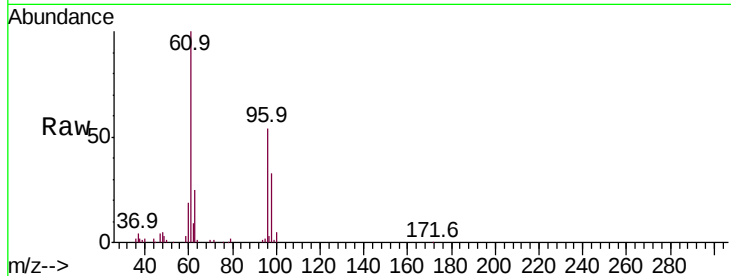
cis-1,2-Dichloroethene
Concen: 0.766 ppbv
RT: 5.63 min Scan# 837
Delta R.T. -0.00 min
Lab File: VL033876.D
Acq: 7 Jun 2019 3:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
61	100		
96	52.8	50.9	76.3
98	32.5	31.4	47.2

Manual Integrations
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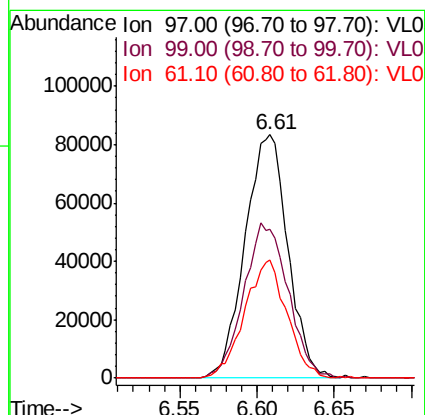
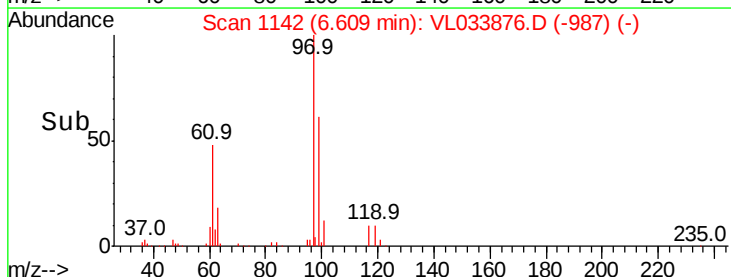
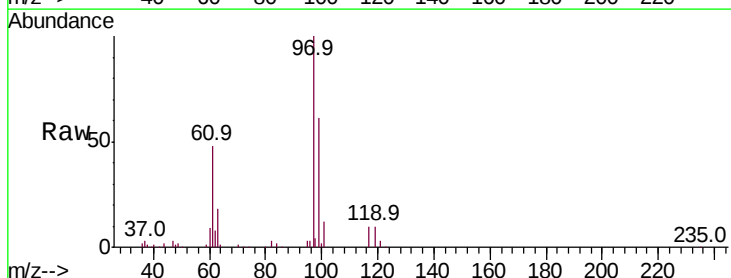
MMDadoda
6/11/2019 9:18:22 AM

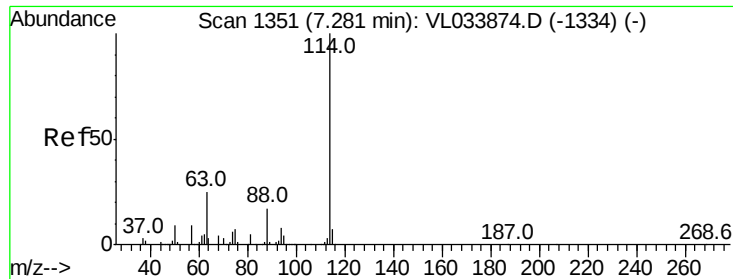


#32

1,1,1-Trichloroethane
Concen: 0.871 ppbv
RT: 6.61 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VL033876.D
Acq: 7 Jun 2019 3:21

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.8	51.7	77.5
61	48.0	37.7	56.5





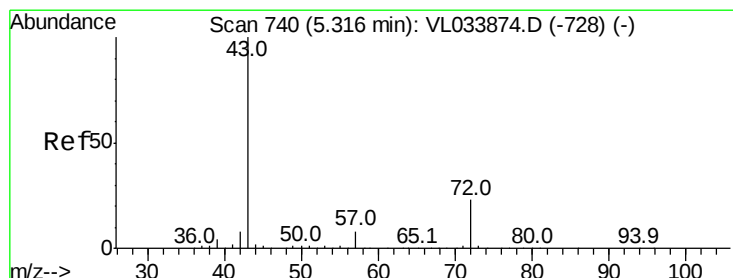
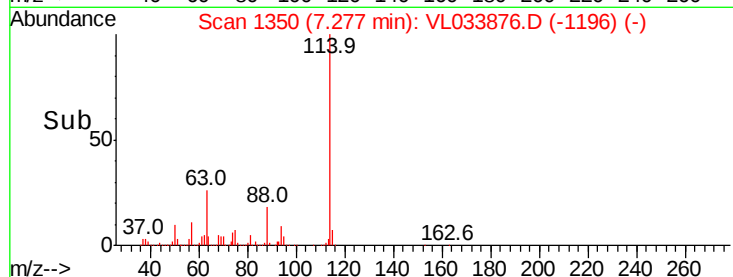
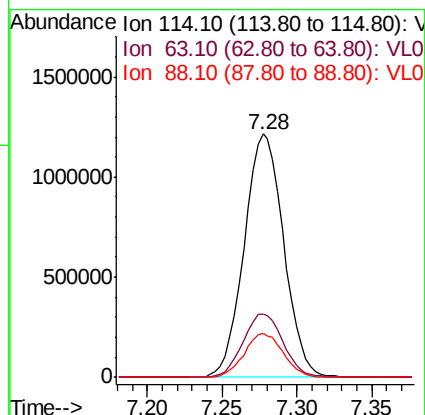
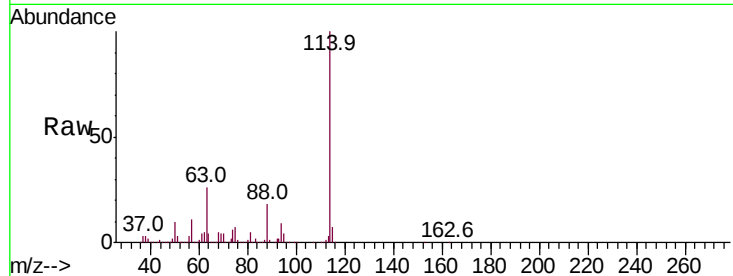
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.28 min Scan# 1350
 Delta R.T. -0.00 min
 Lab File: VL033876.D
 Acq: 7 Jun 2019 3:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.6	21.1	31.7
88	18.0	14.2	21.4

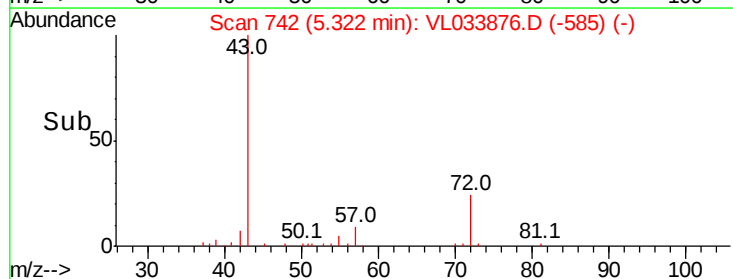
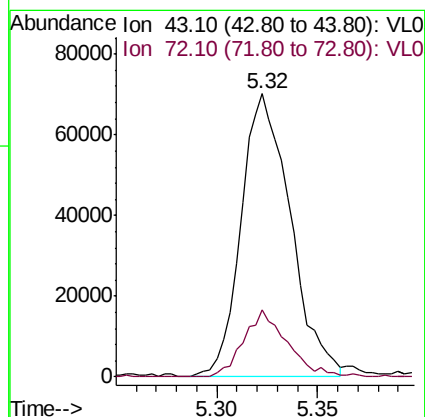
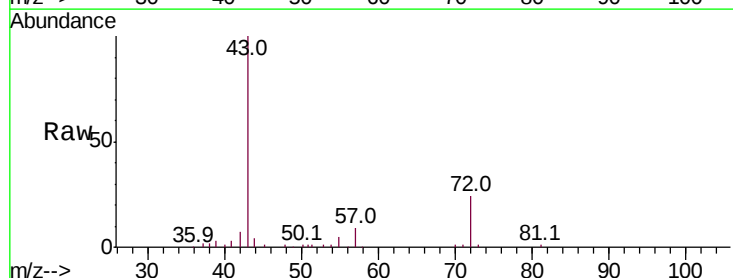
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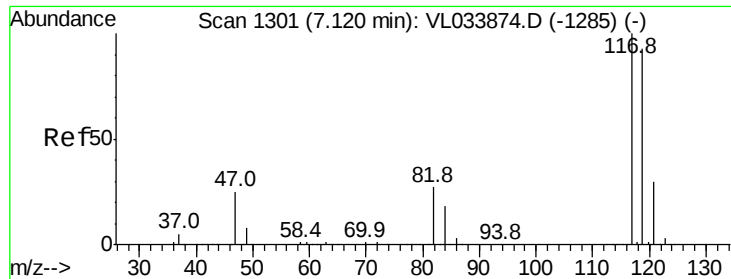
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#34
 2-Butanone
 Concen: 0.873 ppbv
 RT: 5.32 min Scan# 742
 Delta R.T. 0.01 min
 Lab File: VL033876.D
 Acq: 7 Jun 2019 3:21

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.3	17.9	26.9





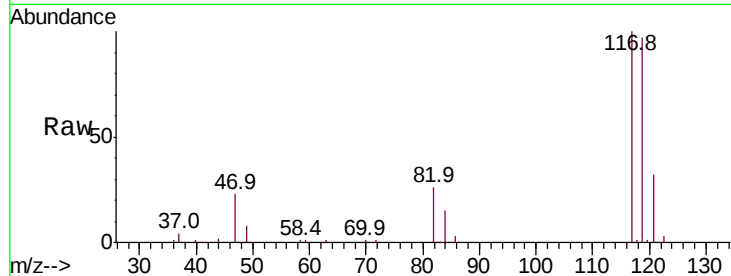
#35
Carbon Tetrachloride
Concen: 0.958 ppbv
RT: 7.12 min Scan# 1301
Delta R.T. -0.00 min
Lab File: VL033876.D
Acq: 7 Jun 2019 3:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
117	100		
119	97.7	74.6	111.8
121	31.9	24.0	36.0

Manual Integrations
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6/11/2019 9:18:22 AM

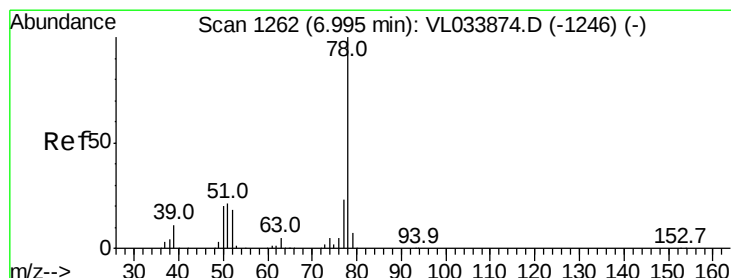
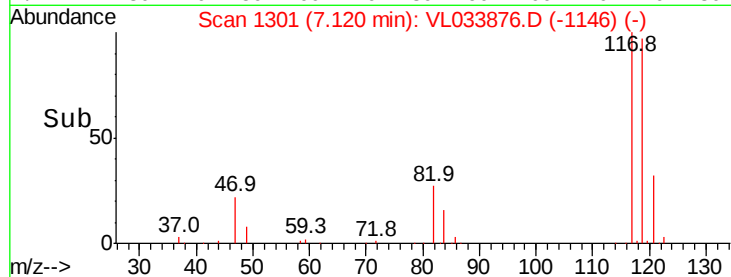
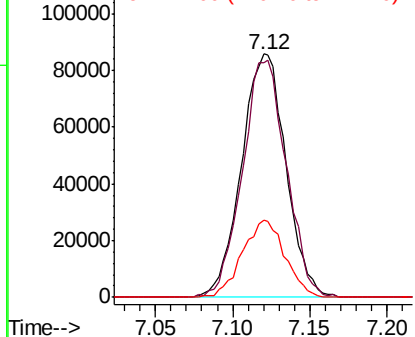


Abundance

Ion 117.00 (116.70 to 117.70): V

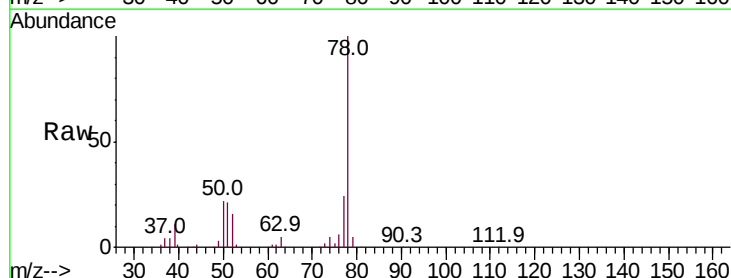
Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36
Benzene
Concen: 0.799 ppbv
RT: 6.99 min Scan# 1261
Delta R.T. -0.00 min
Lab File: VL033876.D
Acq: 7 Jun 2019 3:21

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.2	27.2
50	21.8	15.9	23.9

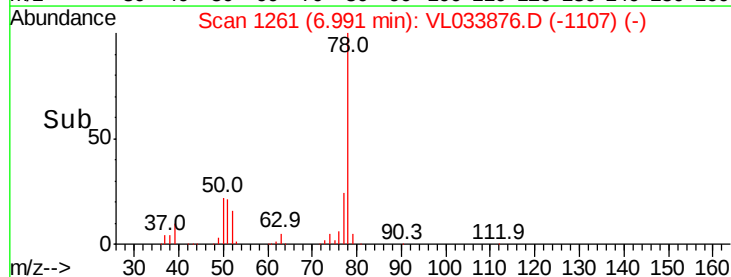
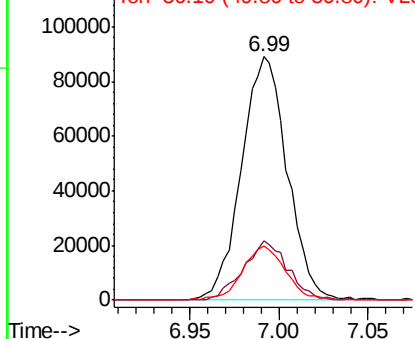


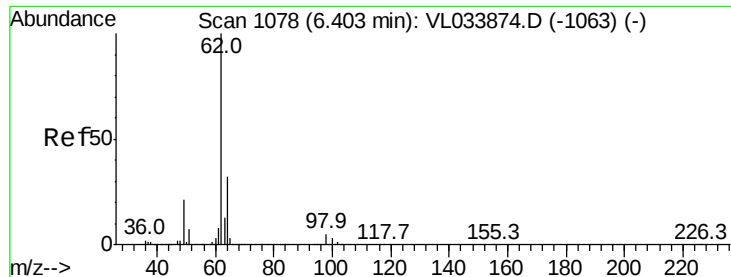
Abundance

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





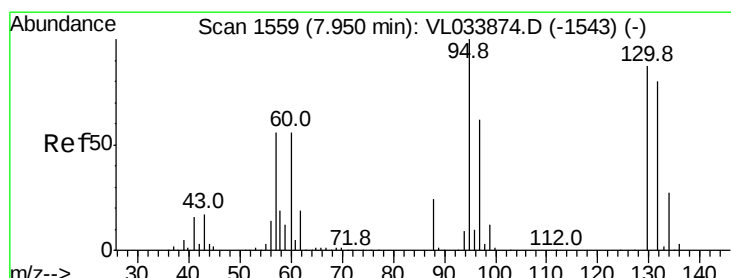
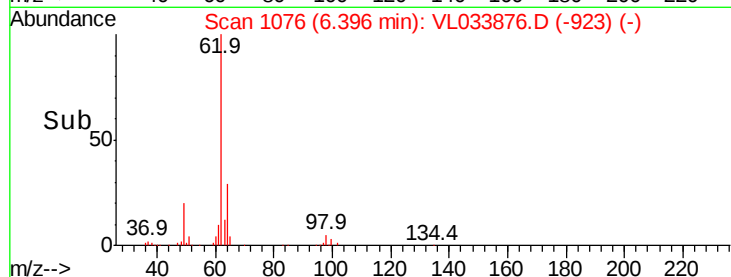
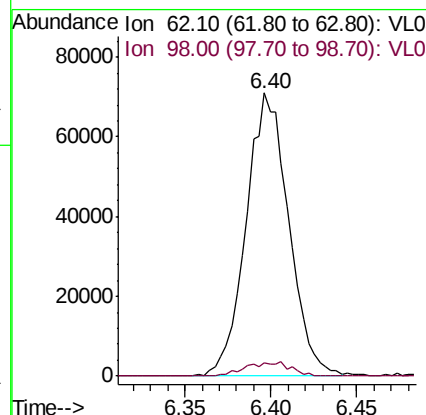
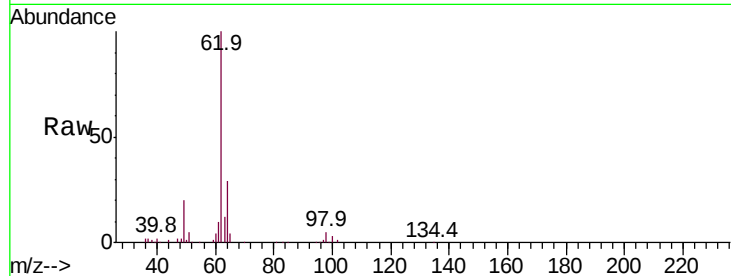
#37
 1,2-Dichloroethane
 Concen: 0.927 ppbv
 RT: 6.40 min Scan# 1076
 Delta R.T. -0.01 min
 Lab File: VL033876.D
 Acq: 7 Jun 2019 3:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
62	100	121969		
98	5.2		4.0	6.0

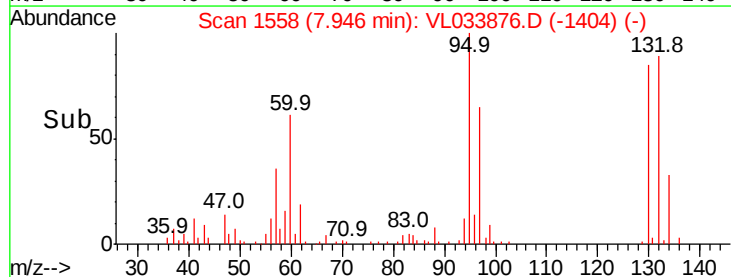
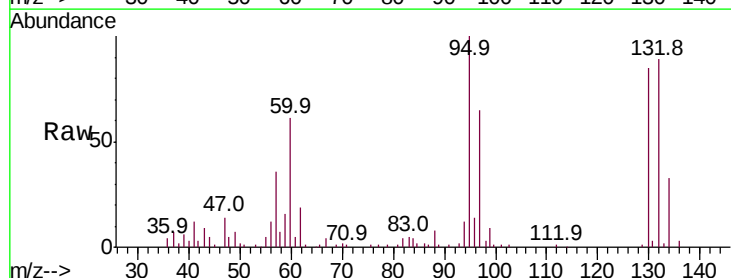
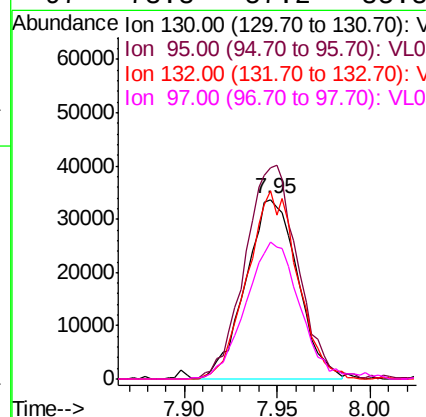
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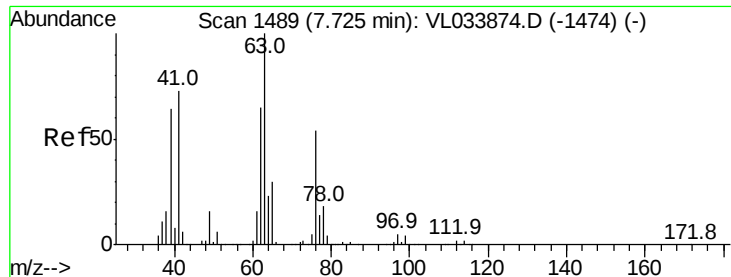
MMDadoda
 6/11/2019 9:18:22 AM



#38
 Trichloroethene
 Concen: 0.875 ppbv
 RT: 7.95 min Scan# 1558
 Delta R.T. -0.00 min
 Lab File: VL033876.D
 Acq: 7 Jun 2019 3:21

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	66149		
95	114.5		92.0	138.0
132	102.4		73.8	110.8
97	73.8		57.2	85.8





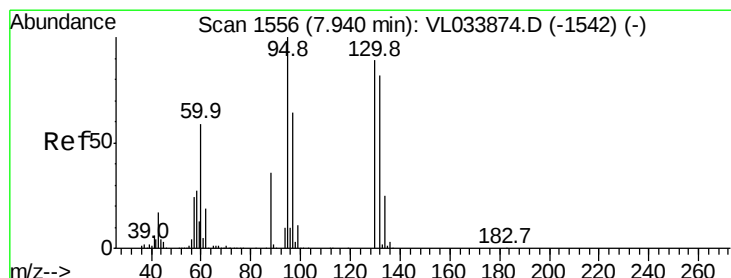
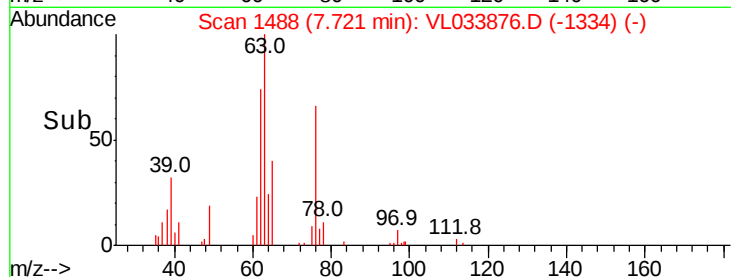
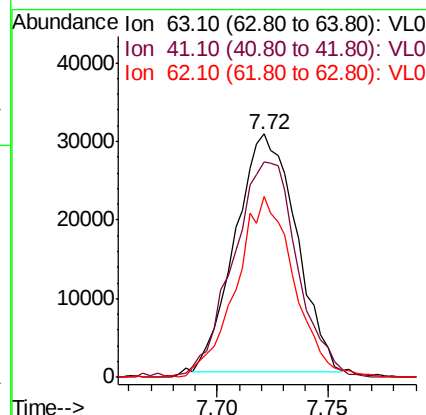
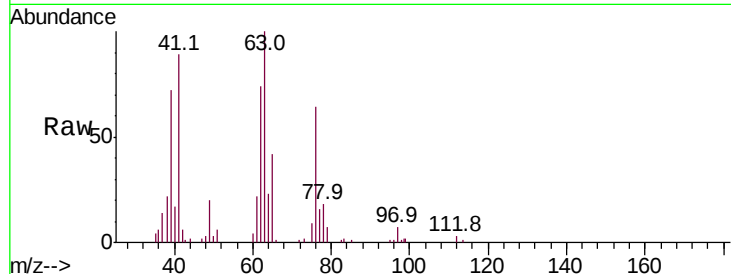
#39
 1,2-Dichloropropane
 Concen: 0.780 ppbv
 RT: 7.72 min Scan# 1488
 Delta R.T. -0.00 min
 Lab File: VL033876.D
 Acq: 7 Jun 2019 3:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
63	100		
41	87.5	58.7	88.1
62	73.3	51.9	77.9

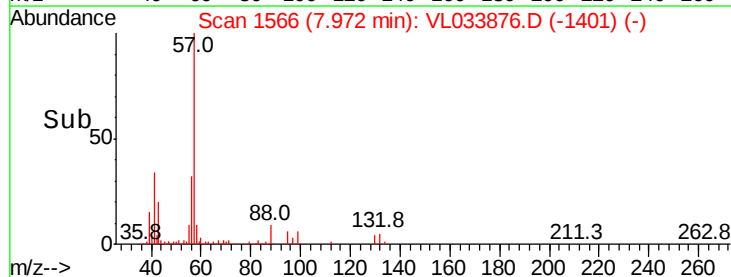
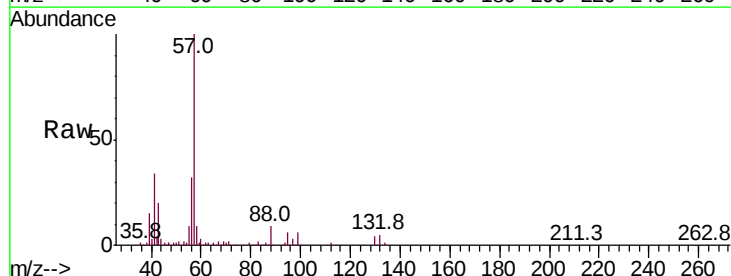
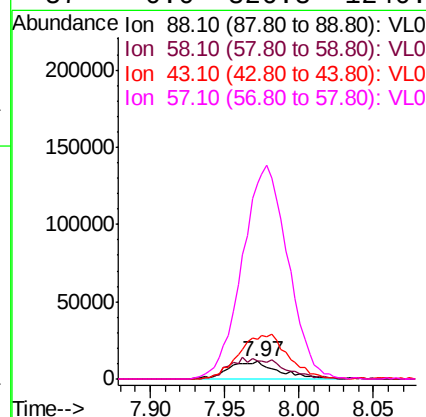
Manual Integrations
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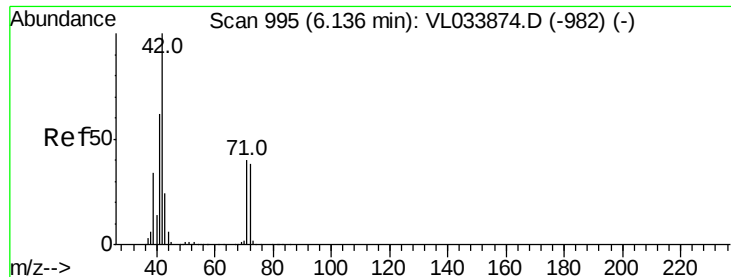
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 6/11/2019 9:18:22 AM



#40
 1,4-Dioxane
 Concen: 0.842 ppbv m
 RT: 7.97 min Scan# 1566
 Delta R.T. 0.03 min
 Lab File: VL033876.D
 Acq: 7 Jun 2019 3:21

Tgt Ion	Ratio	Lower	Upper
88	100		
58	0.0	100.0	150.0#
43	0.0	184.7	277.1#
57	0.0	826.8	1240.2#





#41

Tetrahydrofuran

Concen: 0.780 ppbv

RT: 6.15 min Scan# 1000

Delta R.T. 0.02 min

Lab File: VL033876.D

Acq: 7 Jun 2019 3:21

Instrument :

MSVOA_L

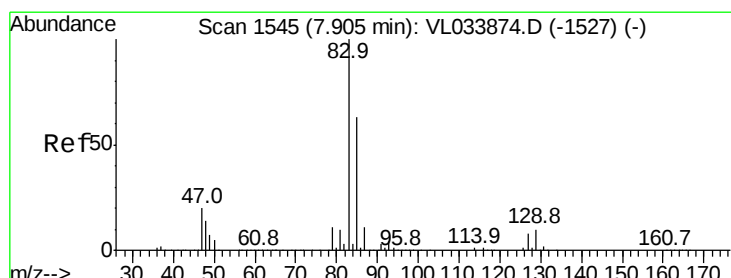
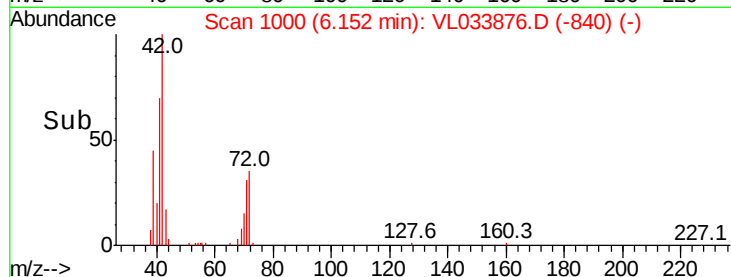
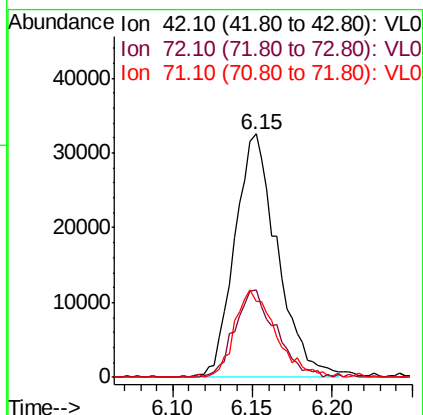
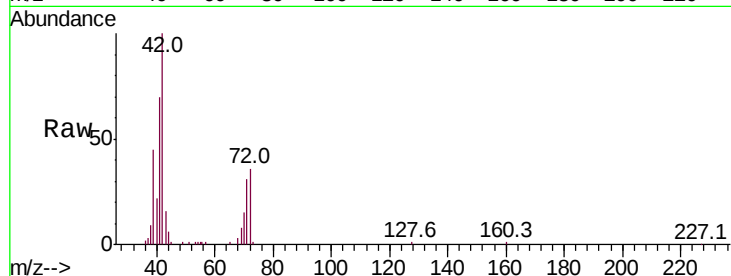
ClientSampleId :

VSTDIC001

Tot Ion:	42	Resp:	59145
Ion Ratio	Lower	Upper	
42	100		
72	34.9	32.2	48.4
71	35.1	31.7	47.5

Manual Integrations
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#42

Bromodichloromethane

Concen: 0.887 ppbv

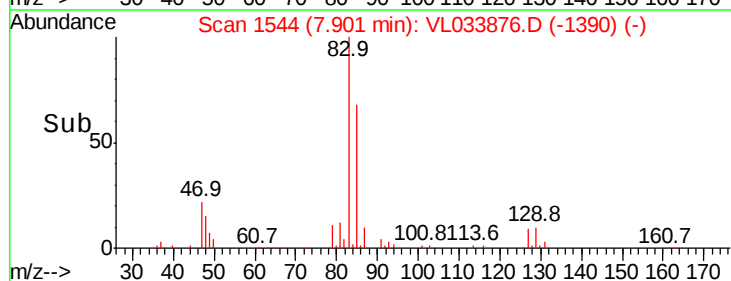
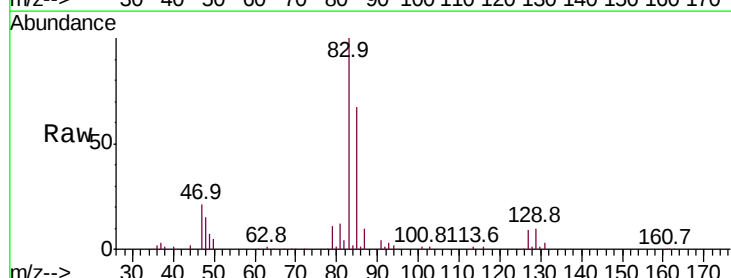
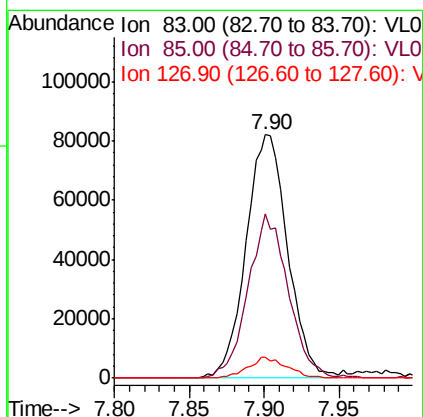
RT: 7.90 min Scan# 1544

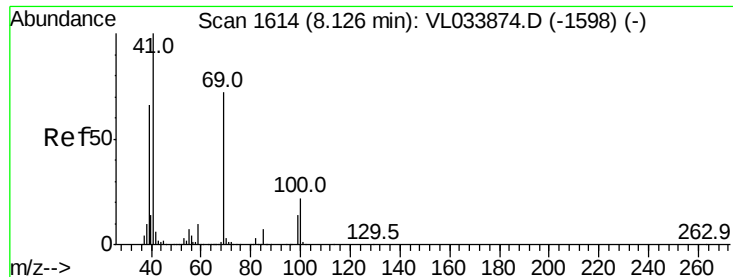
Delta R.T. -0.00 min

Lab File: VL033876.D

Acq: 7 Jun 2019 3:21

Tgt Ion:	83	Resp:	159046
Ion Ratio	Lower	Upper	
83	100		
85	67.4	50.2	75.2
127	8.8	6.5	9.7





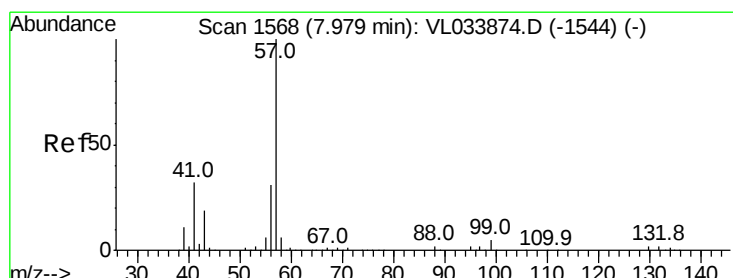
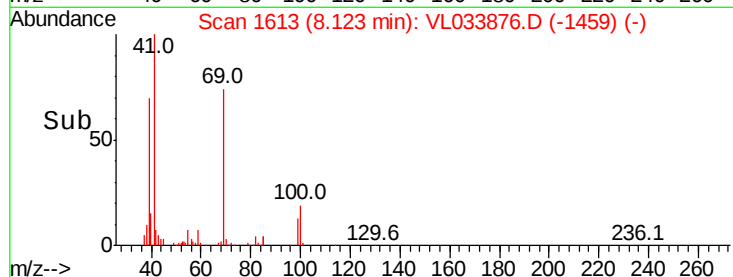
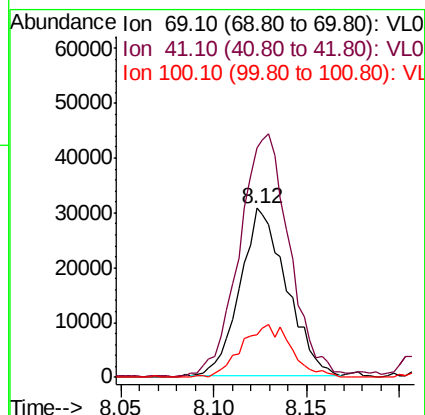
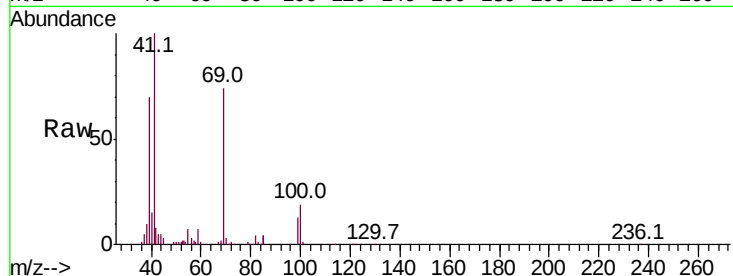
#43
Methyl Methacrylate
Concen: 0.726 ppbv
RT: 8.12 min Scan# 1613
Delta R.T. -0.00 min
Lab File: VL033876.D
Acq: 7 Jun 2019 3:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
69	100		
41	156.0	114.3	171.5
100	33.4	24.8	37.2

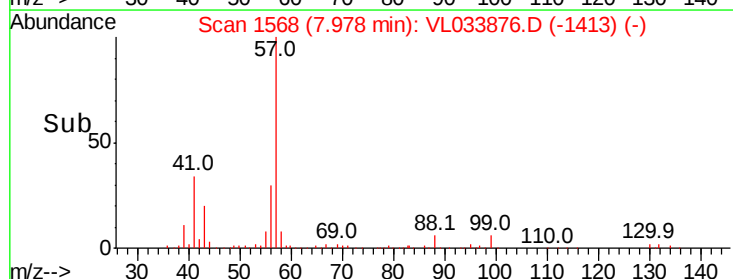
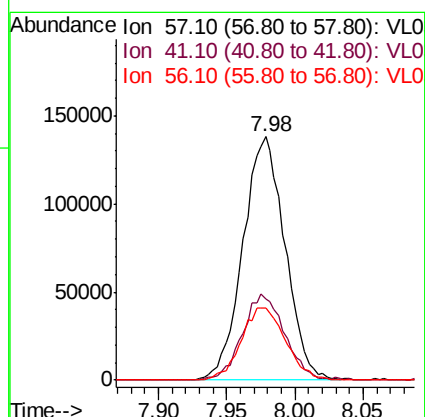
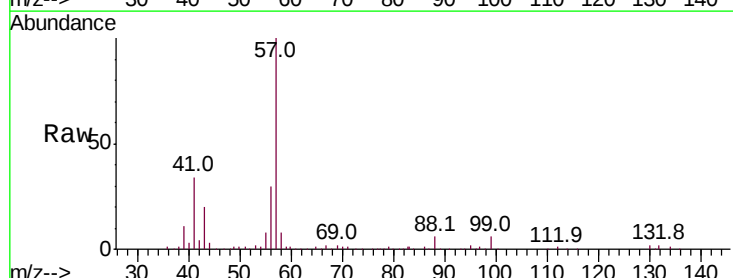
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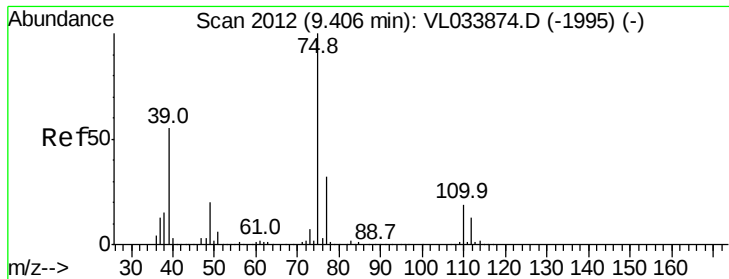
MMDadoda
6/11/2019 9:18:22 AM



#44
2,2,4-Trimethylpentane
Concen: 0.870 ppbv
RT: 7.98 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VL033876.D
Acq: 7 Jun 2019 3:21

Tgt Ion	Ratio	Lower	Upper
57	100		
41	35.7	26.1	39.1
56	31.5	24.6	36.8





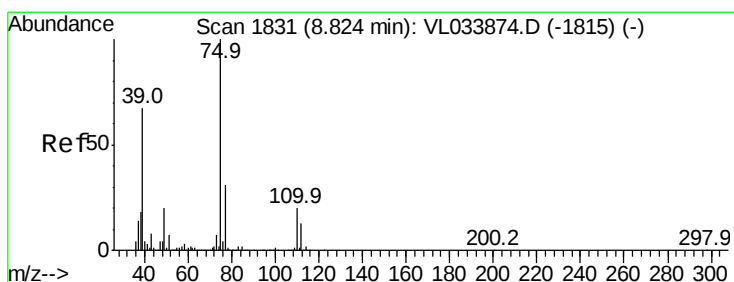
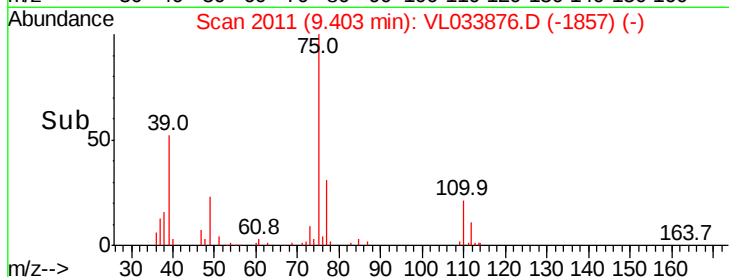
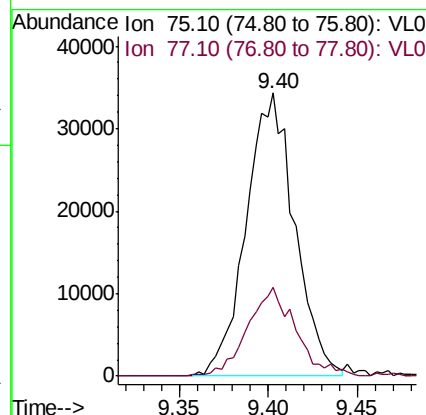
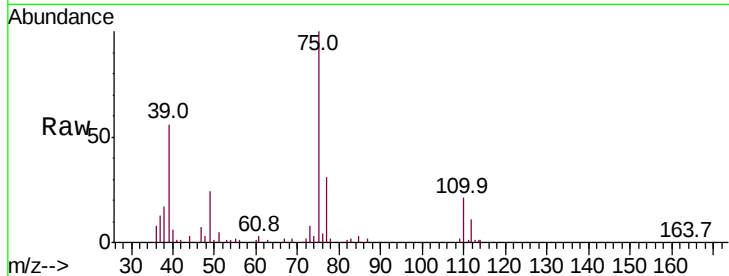
#45
 t-1,3-Dichloropropene
 Concen: 0.695 ppbv
 RT: 9.40 min Scan# 2011
 Delta R.T. -0.00 min
 Lab File: VL033876.D
 Acq: 7 Jun 2019 3:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion: 75 Resp: 65148
 Ion Ratio Lower Upper
 75 100
 77 33.2 25.4 38.2

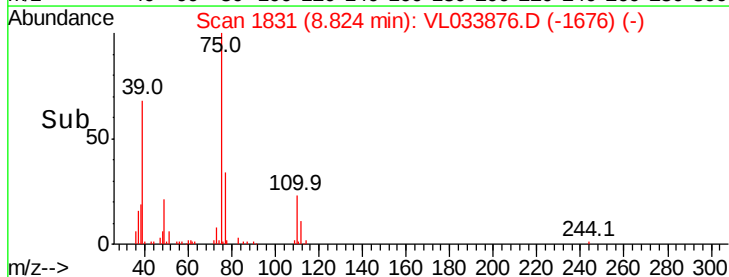
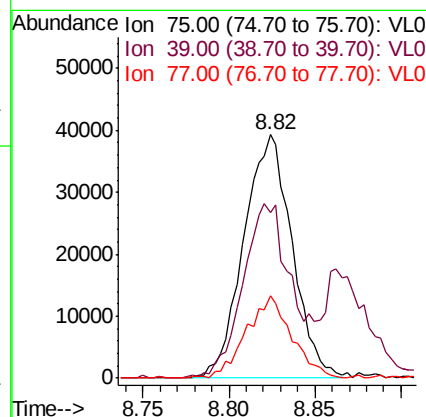
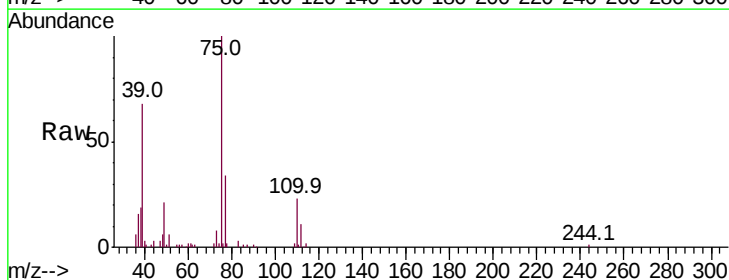
Manual Integrations
 APPROVED

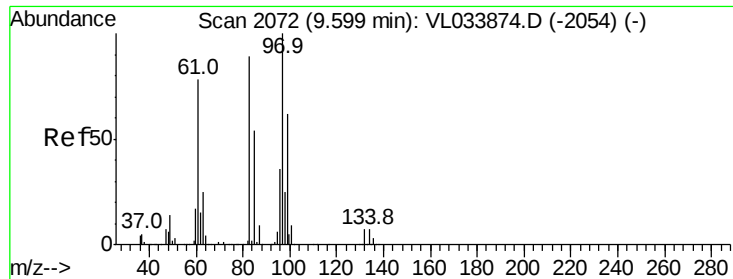
MMDadoda
 6/11/2019 9:18:22 AM



#46
 cis-1,3-Dichloropropene
 Concen: 0.700 ppbv
 RT: 8.82 min Scan# 1831
 Delta R.T. -0.00 min
 Lab File: VL033876.D
 Acq: 7 Jun 2019 3:21

Tgt Ion: 75 Resp: 76496
 Ion Ratio Lower Upper
 75 100
 39 66.7 53.8 80.8
 77 33.6 24.6 36.8





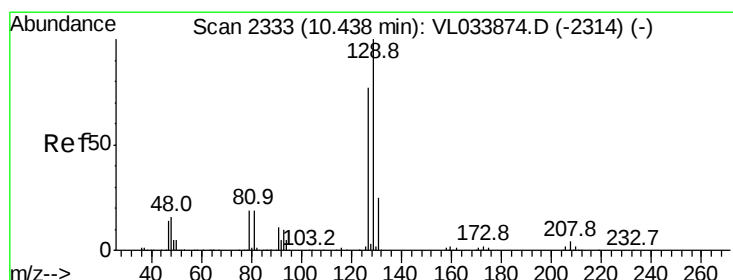
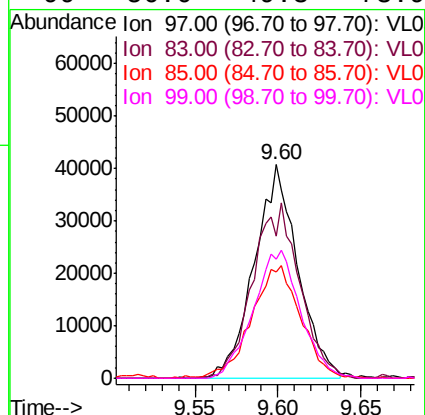
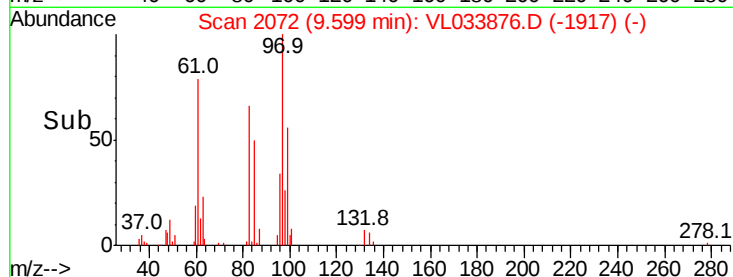
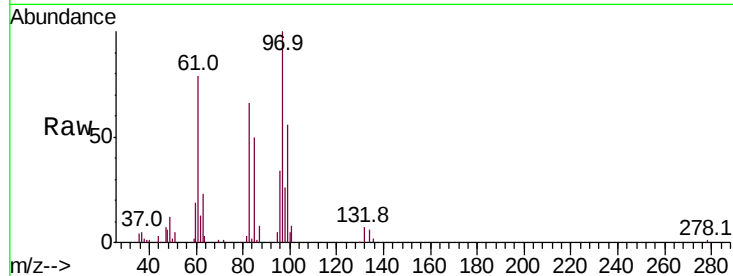
#47
 1,1,2-Trichloroethane
 Concen: 0.870 ppbv
 RT: 9.60 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VL033876.D
 Acq: 7 Jun 2019 3:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
97	100		
83	66.4	70.9	106.3#
85	49.1	43.0	64.6
99	56.0	49.3	73.9

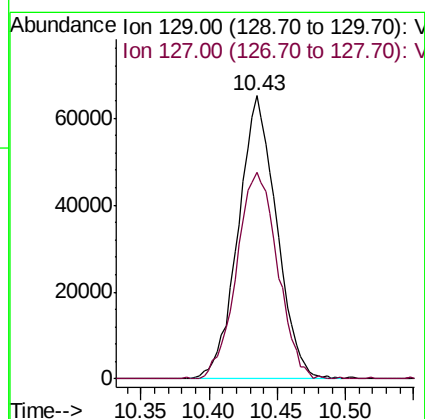
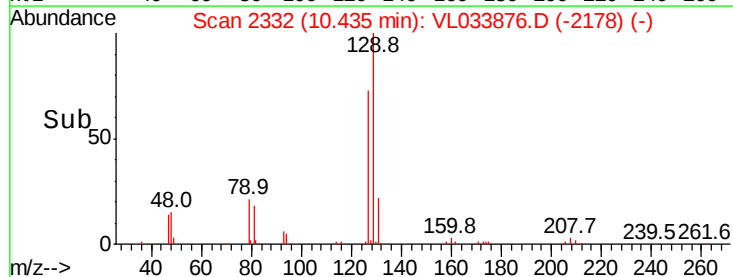
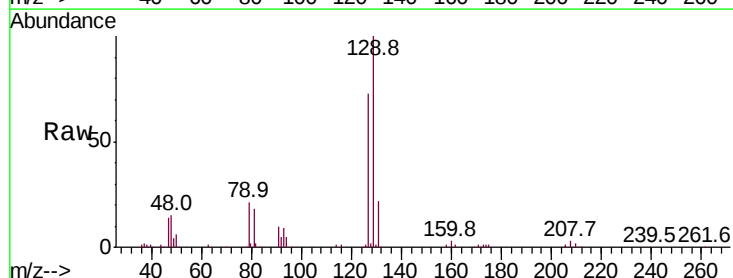
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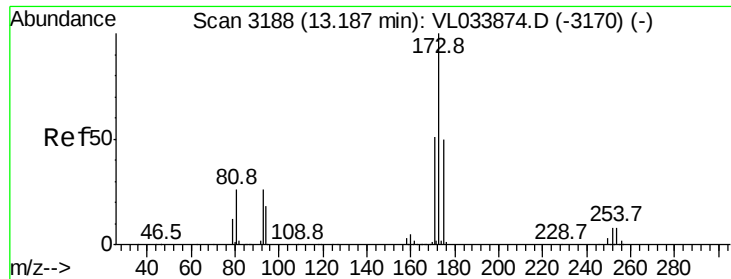
MMDadoda
 6/11/2019 9:18:22 AM



#48
 Dibromochloromethane
 Concen: 0.853 ppbv
 RT: 10.43 min Scan# 2332
 Delta R.T. -0.00 min
 Lab File: VL033876.D
 Acq: 7 Jun 2019 3:21

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.1	38.6	115.7





#49

Bromoform

Concen: 0.851 ppbv

RT: 13.18 min Scan# 3186

Delta R.T. -0.01 min

Lab File: VL033876.D

Acq: 7 Jun 2019 3:21

Instrument :

MSVOA_L

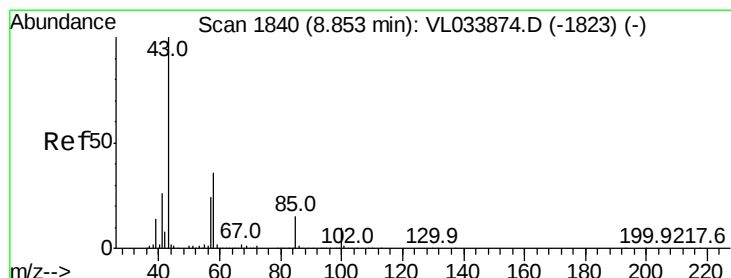
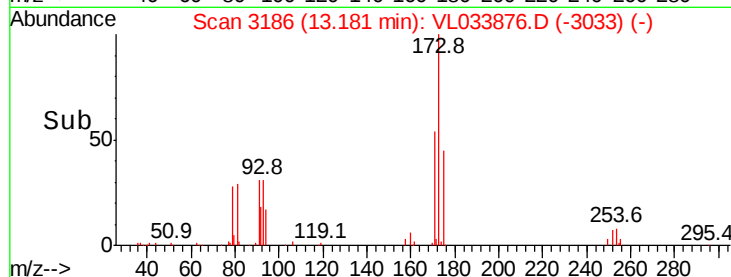
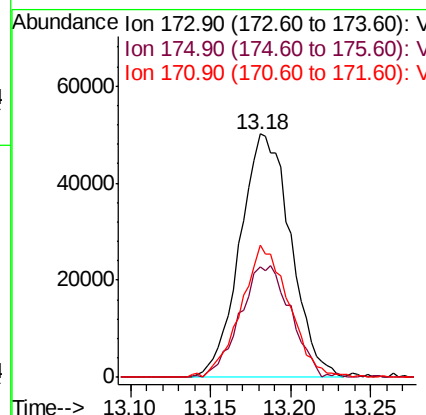
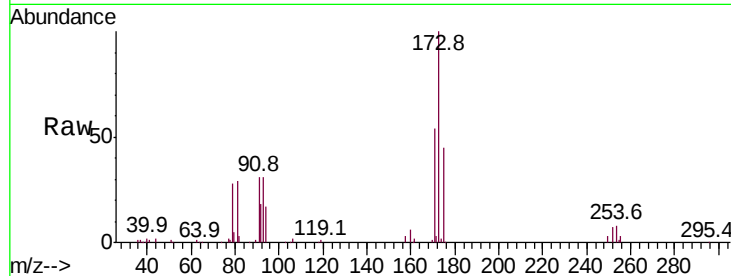
ClientSampleId :

VSTDIC001

Tot Ion:	173	Resp:	108765
Ion Ratio	Lower	Upper	
173	100		
175	45.9	39.6	59.4
171	51.5	41.8	62.8

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#50

4-Methyl-2-Pentanone

Concen: 0.825 ppbv

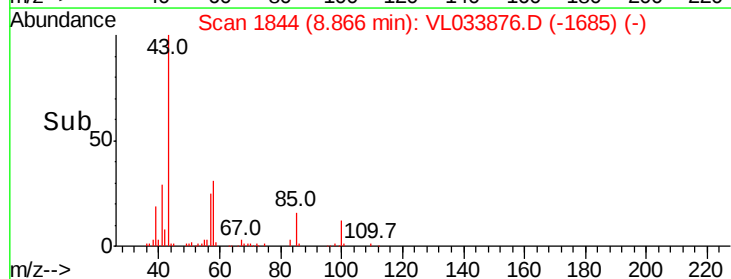
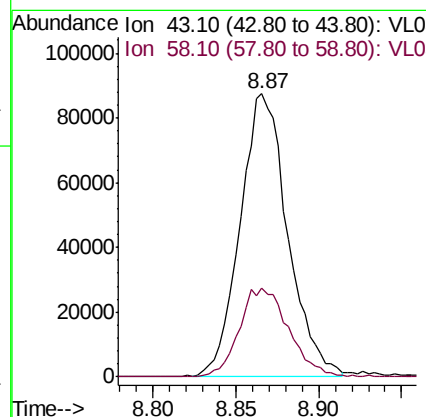
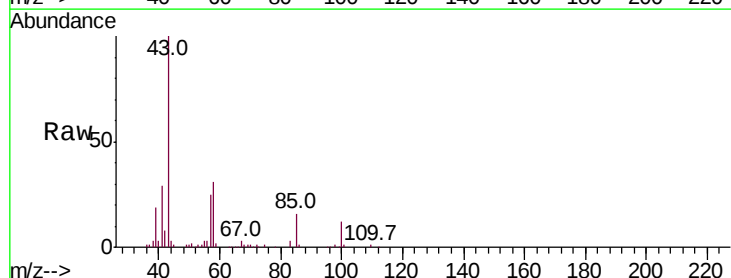
RT: 8.87 min Scan# 1844

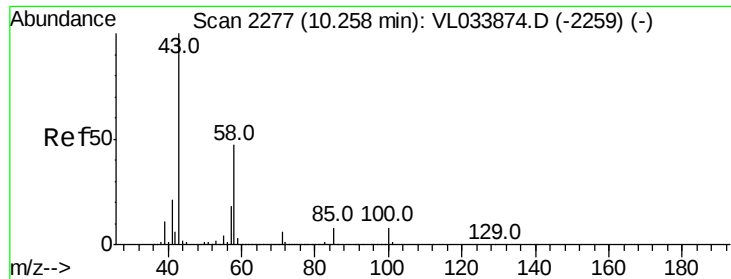
Delta R.T. 0.01 min

Lab File: VL033876.D

Acq: 7 Jun 2019 3:21

Tgt Ion:	43	Resp:	173363
Ion Ratio	Lower	Upper	
43	100		
58	32.8	28.6	42.8





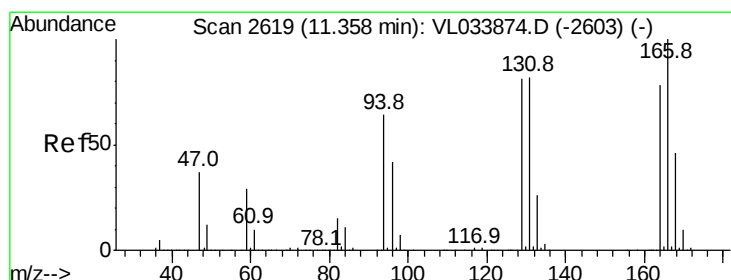
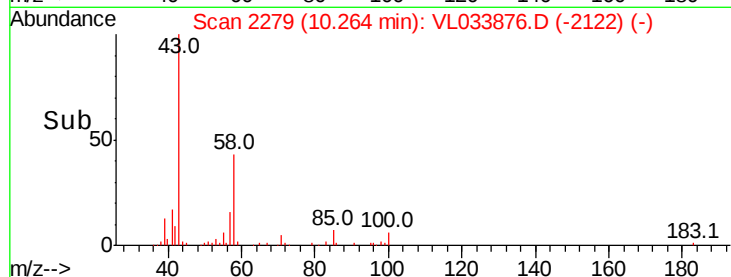
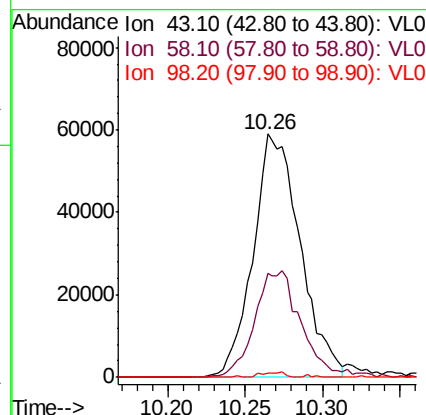
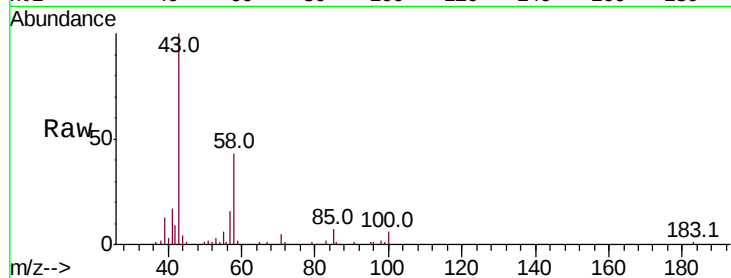
#51
2-Hexanone
Concen: 0.763 ppbv
RT: 10.26 min Scan# 2279
Delta R.T. 0.01 min
Lab File: VL033876.D
Acq: 7 Jun 2019 3:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
43	100		
58	43.9	38.2	57.4
98	1.4	0.2	0.2#

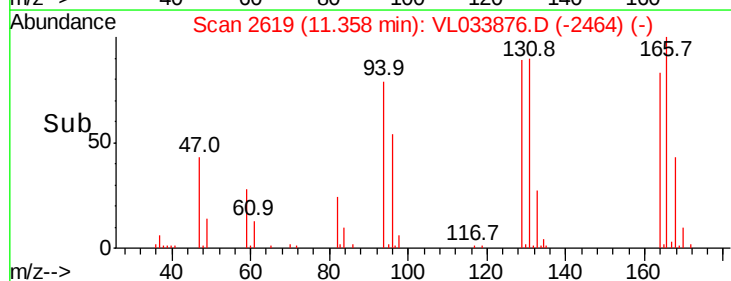
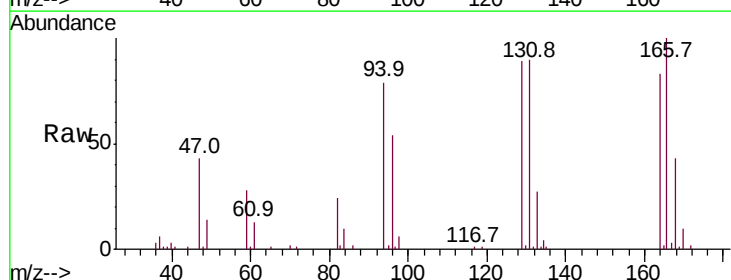
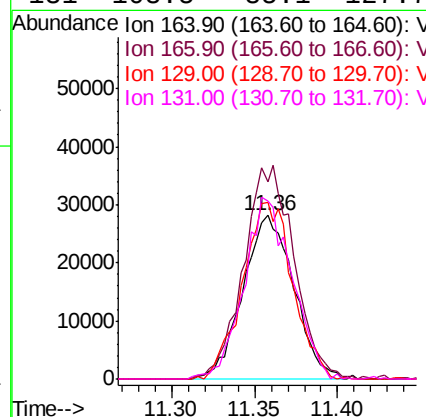
Manual Integrations
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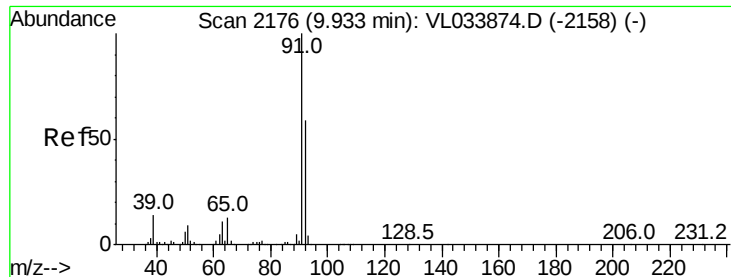
MMDadoda
6/11/2019 9:18:22 AM



#52
Tetrachloroethene
Concen: 0.844 ppbv
RT: 11.36 min Scan# 2619
Delta R.T. -0.00 min
Lab File: VL033876.D
Acq: 7 Jun 2019 3:21

Tgt Ion	Ratio	Lower	Upper
164	100		
166	119.7	103.1	154.7
129	110.3	83.9	125.9
131	108.5	85.1	127.7





#53

Toluene

Concen: 0.732 ppbv

RT: 9.93 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VL033876.D

Acq: 7 Jun 2019 3:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 158594

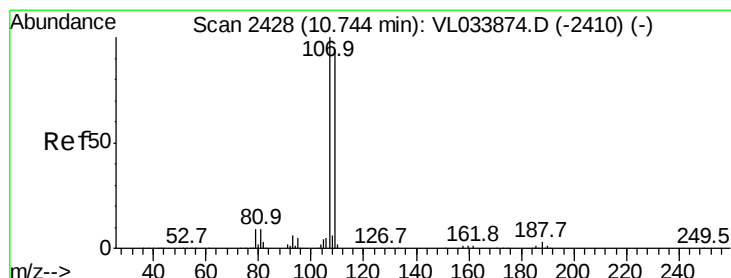
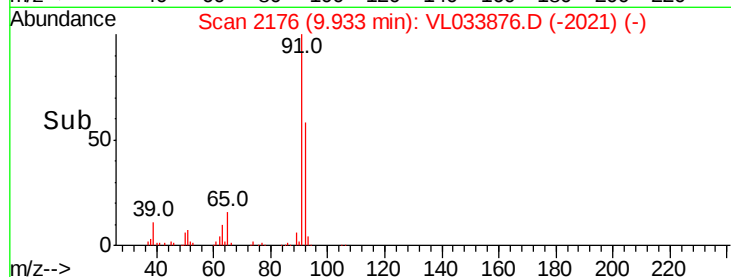
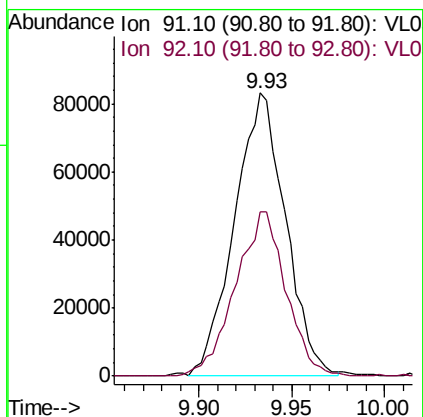
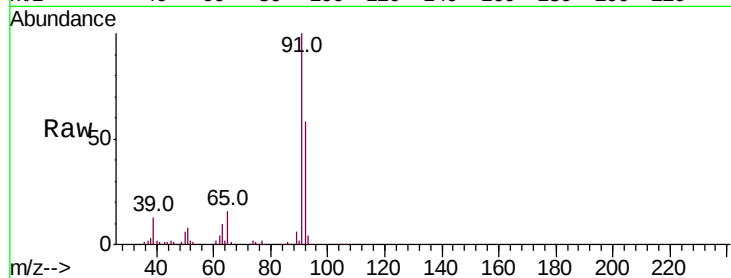
Ion Ratio Lower Upper

91 100

92 57.7 47.0 70.6

Manual Integrations
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#54

1,2-Dibromoethane

Concen: 0.814 ppbv

RT: 10.75 min Scan# 2429

Delta R.T. 0.00 min

Lab File: VL033876.D

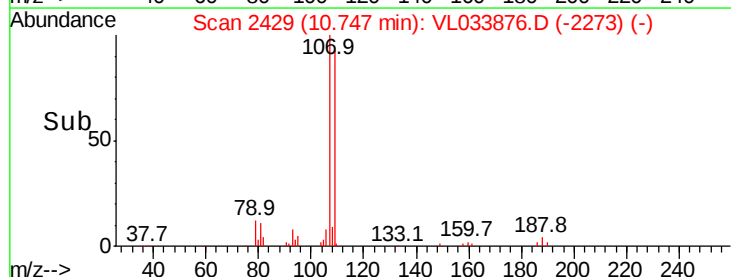
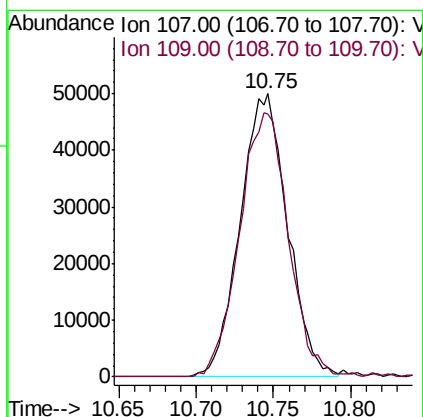
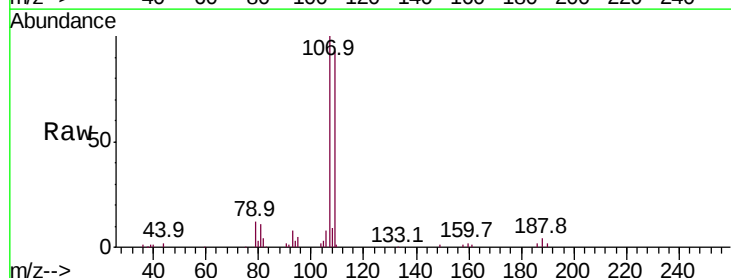
Acq: 7 Jun 2019 3:21

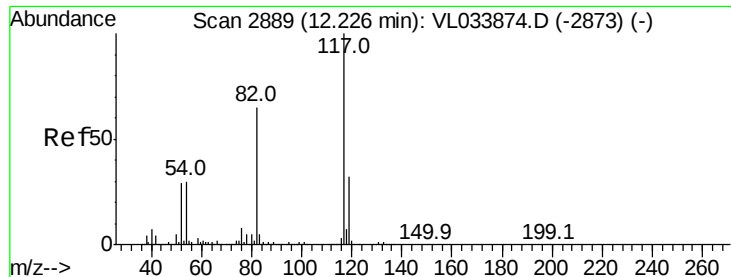
Tgt Ion: 107 Resp: 106206

Ion Ratio Lower Upper

107 100

109 92.9 74.9 112.3





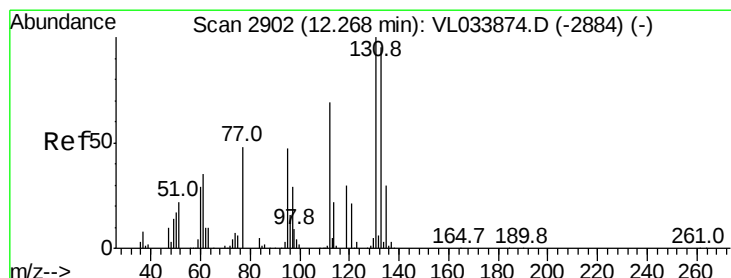
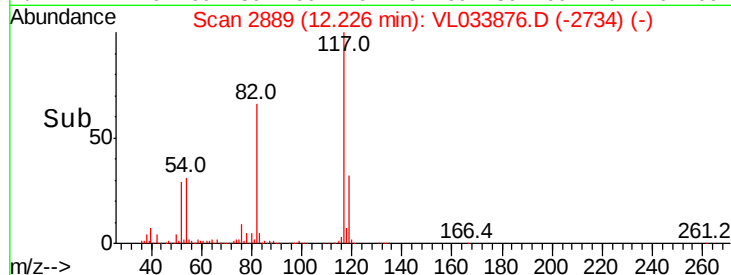
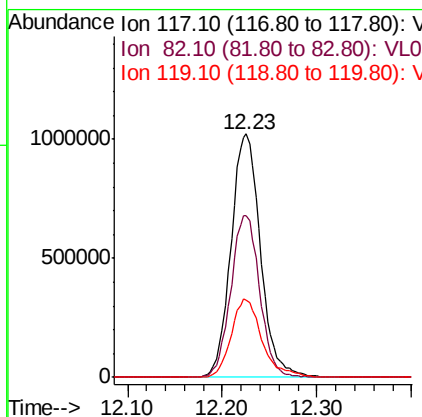
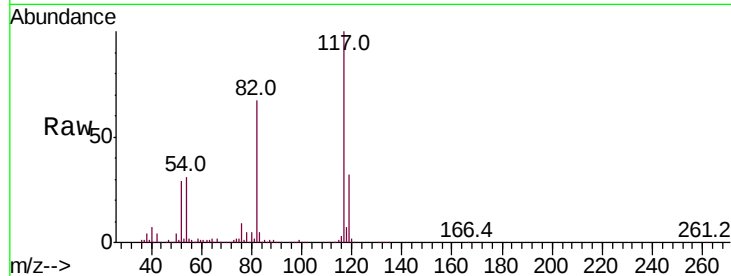
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2889
Delta R.T. -0.00 min
Lab File: VL033876.D
Acq: 7 Jun 2019 3:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
117	100		
82	65.4	50.2	75.2
119	33.8	24.8	37.2

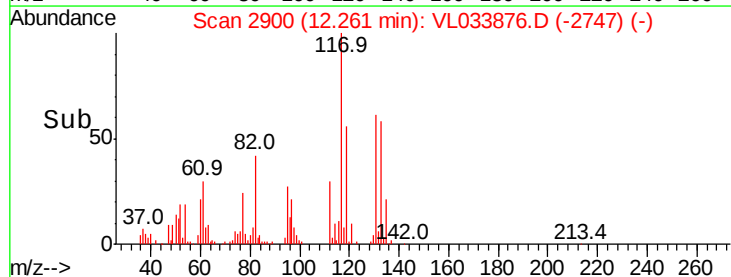
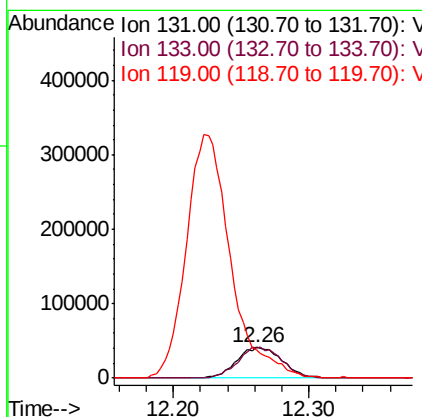
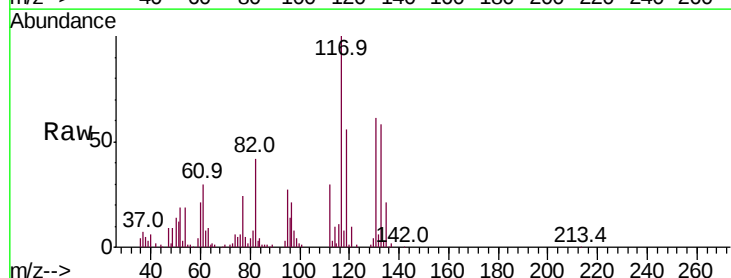
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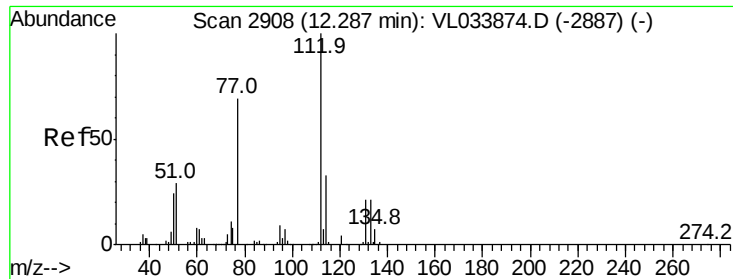
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 0.950 ppbv m
RT: 12.26 min Scan# 2900
Delta R.T. -0.01 min
Lab File: VL033876.D
Acq: 7 Jun 2019 3:21

Tgt Ion	Ratio	Lower	Upper
131	100		
133	0.0	76.5	114.7#
119	0.0	42.6	64.0#





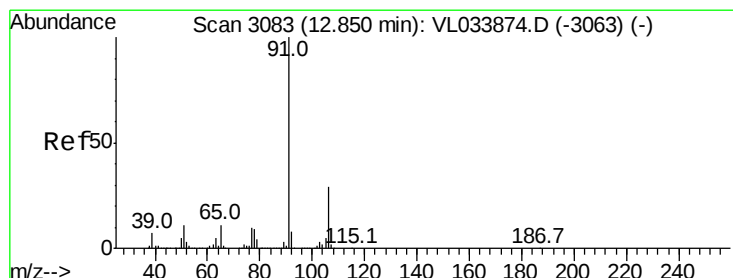
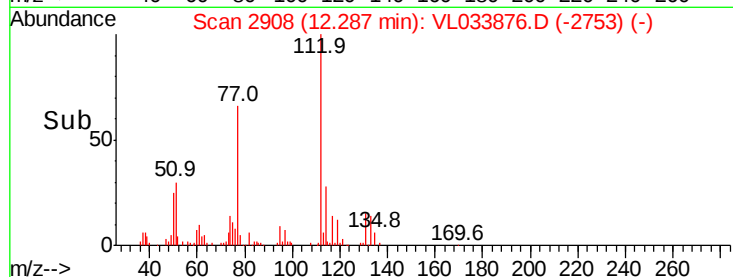
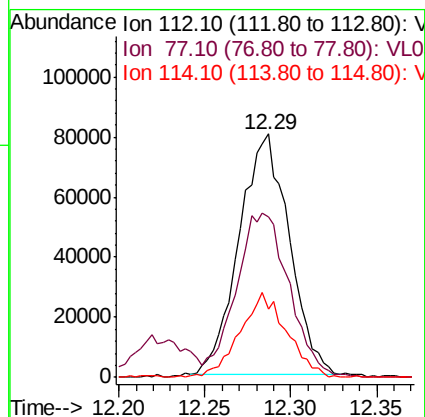
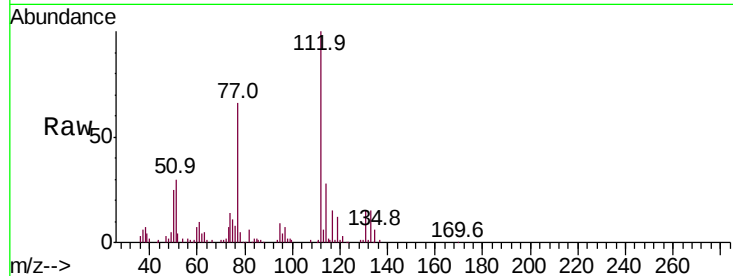
#57
Chlorobenzene
Concen: 0.894 ppbv
RT: 12.29 min Scan# 2908
Delta R.T. -0.00 min
Lab File: VL033876.D
Acq: 7 Jun 2019 3:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
112	100	161172		
77	65.5	55.8	83.6	
114	28.2	29.8	36.4	

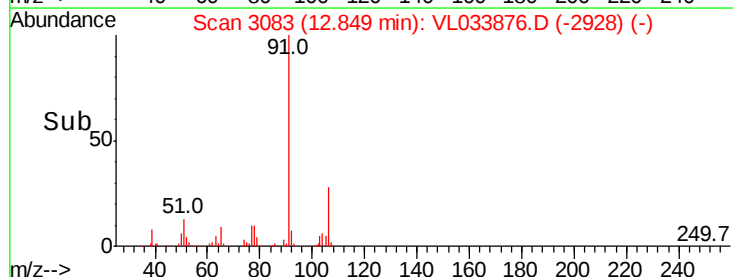
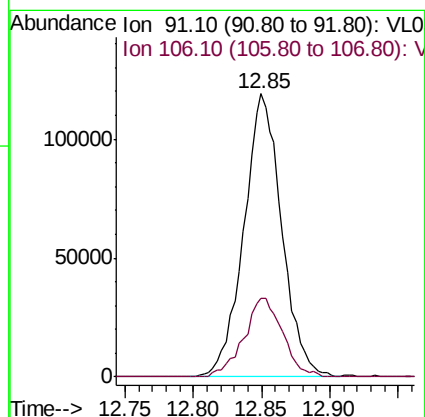
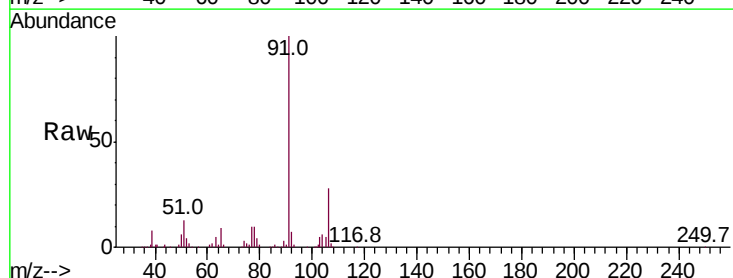
Manual Integrations
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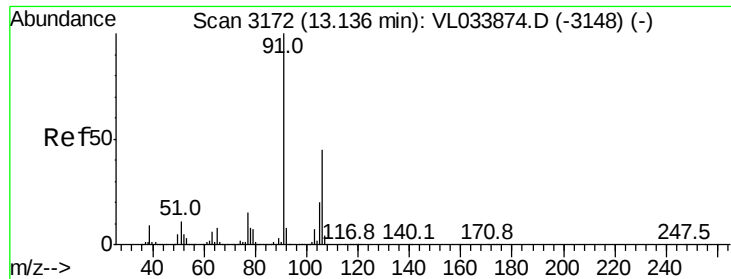
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#58
Ethyl Benzene
Concen: 0.797 ppbv
RT: 12.85 min Scan# 3083
Delta R.T. -0.00 min
Lab File: VL033876.D
Acq: 7 Jun 2019 3:21

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	229306		
106	27.7	23.0	34.6	





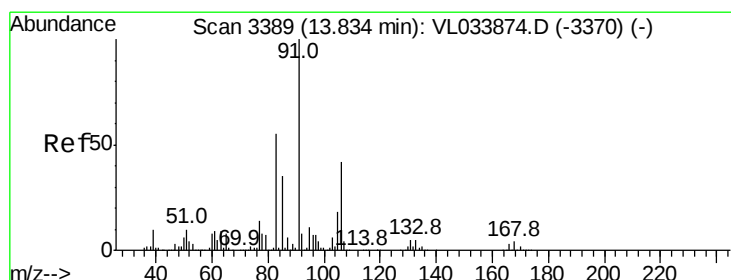
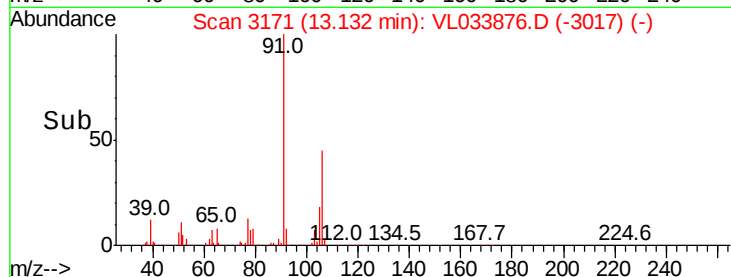
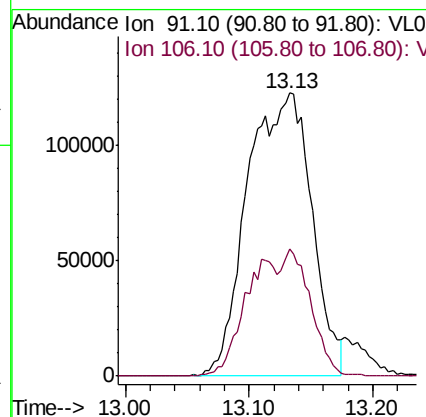
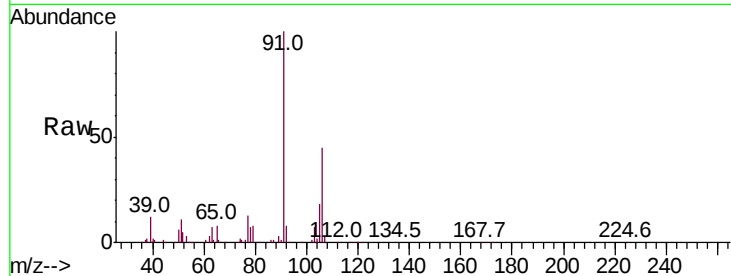
#59
m/p-Xylene
Concen: 1.744 ppbv m
RT: 13.13 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VL033876.D
Acq: 7 Jun 2019 3:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion: 91 Resp: 441103
Ion Ratio Lower Upper
91 100
106 42.5 35.8 53.8

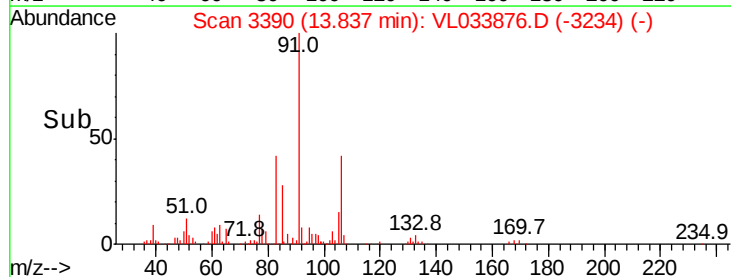
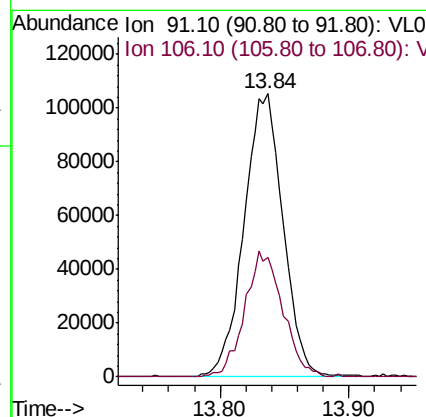
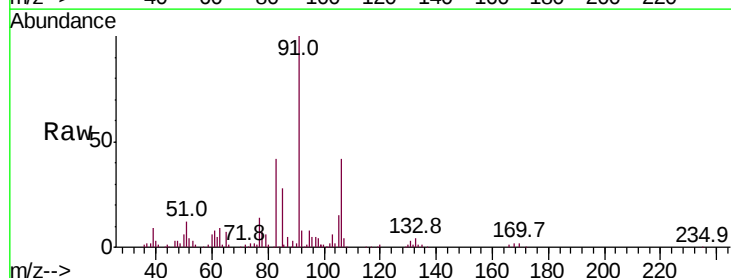
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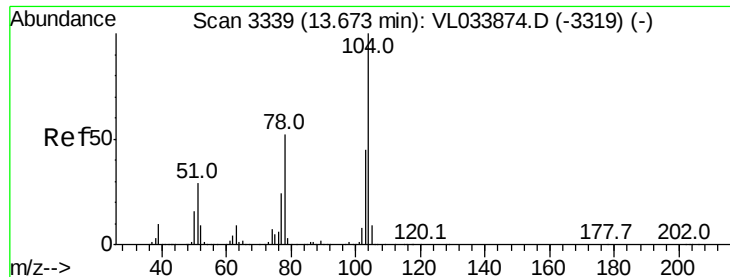
MMDadoda
6/11/2019 9:18:22 AM



#60
o-Xylene
Concen: 0.861 ppbv
RT: 13.84 min Scan# 3390
Delta R.T. 0.00 min
Lab File: VL033876.D
Acq: 7 Jun 2019 3:21

Tgt Ion: 91 Resp: 221706
Ion Ratio Lower Upper
91 100
106 43.4 21.7 65.1





#61

Stvrene

Concen: 0.756 ppbv

RT: 13.67 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VL033876.D

Acq: 7 Jun 2019 3:21

Instrument :

MSVOA_L

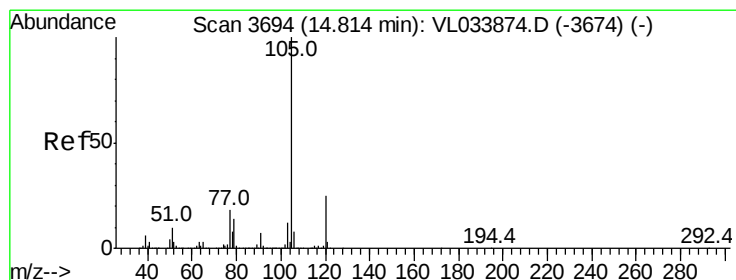
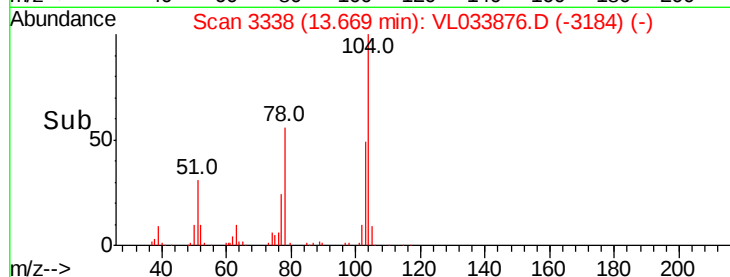
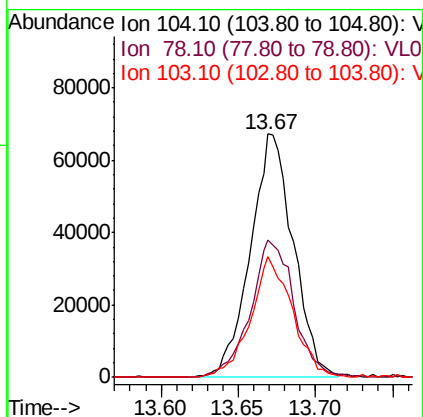
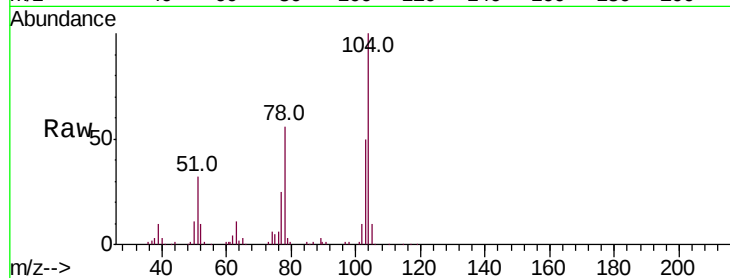
ClientSampleId :

VSTDIC001

Tot Ion:	104	Resp:	129720
Ion Ratio	Lower	Upper	
104	100		
78	57.4	43.4	65.0
103	48.7	37.6	56.4

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6/11/2019 9:18:22 AM



#62

Isopropylbenzene

Concen: 0.880 ppbv

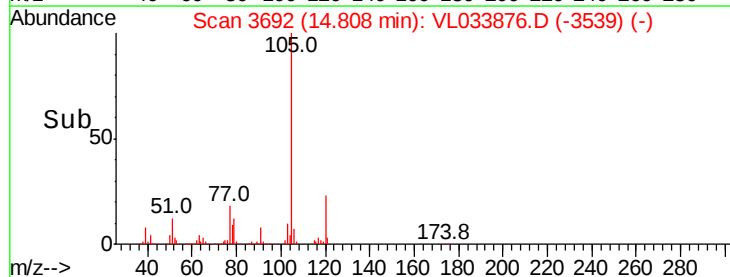
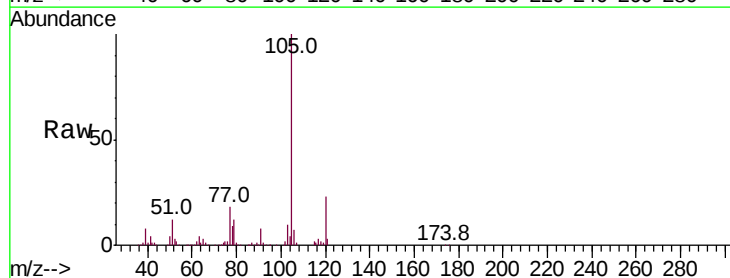
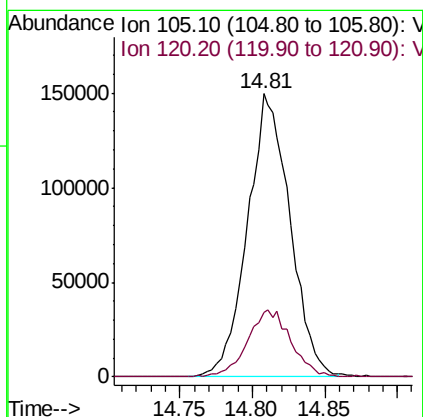
RT: 14.81 min Scan# 3692

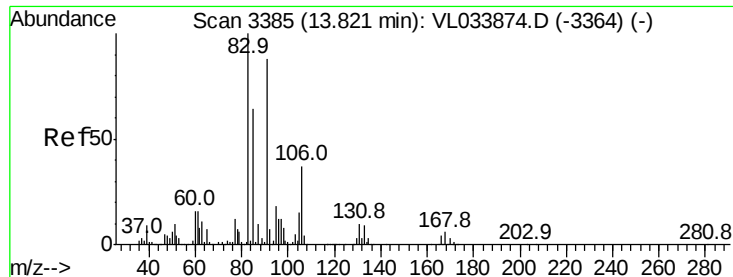
Delta R.T. -0.01 min

Lab File: VL033876.D

Acq: 7 Jun 2019 3:21

Tgt Ion:	105	Resp:	304517
Ion Ratio	Lower	Upper	
105	100		
120	24.2	20.3	30.5





#63

1,1,2,2-Tetrachloroethane

Concen: 0.952 ppbv

RT: 13.82 min Scan# 3385

Delta R.T. -0.00 min

Lab File: VL033876.D

Acq: 7 Jun 2019 3:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 83 Resp: 179121
Ion Ratio Lower Upper

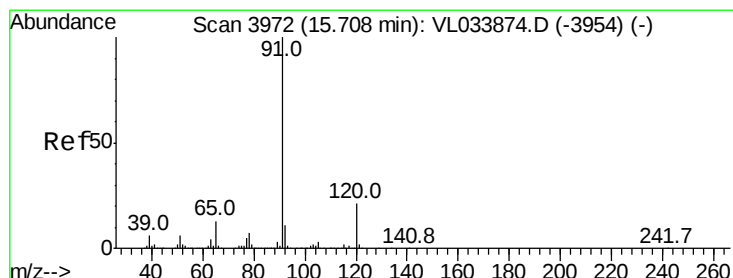
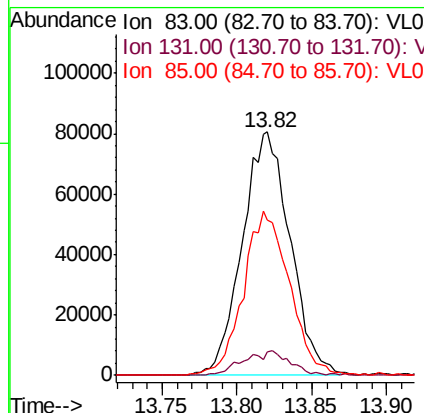
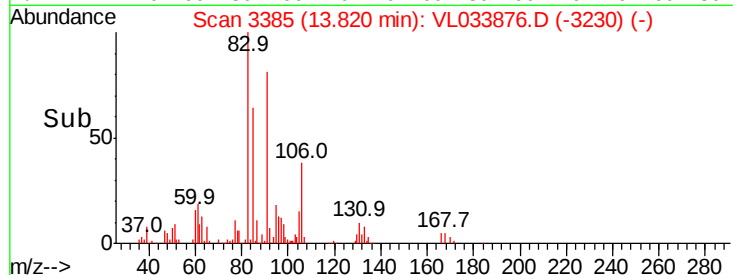
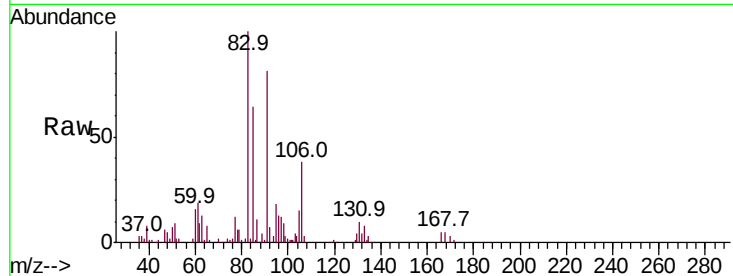
83 100

131 10.0 4.8 14.4

85 64.9 32.1 96.3

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MMDadoda
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#64

n-propylbenzene

Concen: 0.874 ppbv m

RT: 15.71 min Scan# 3973

Delta R.T. 0.00 min

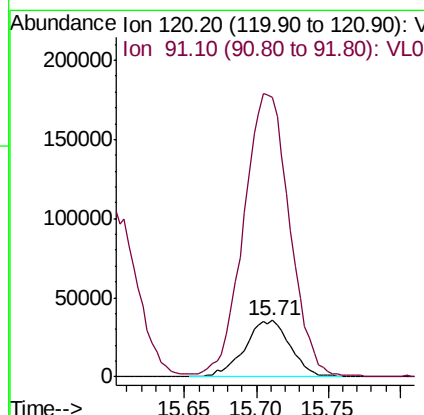
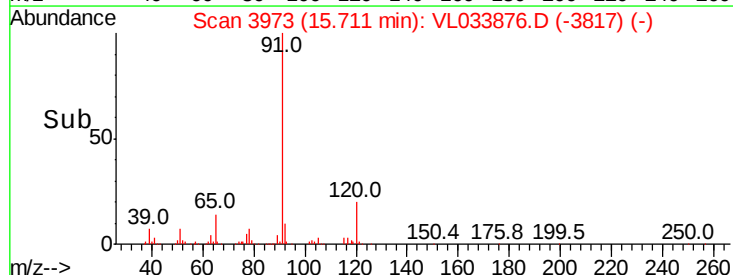
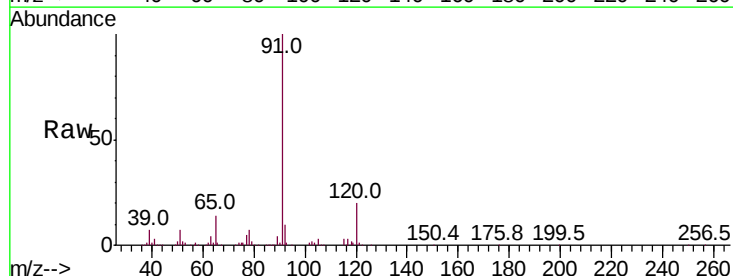
Lab File: VL033876.D

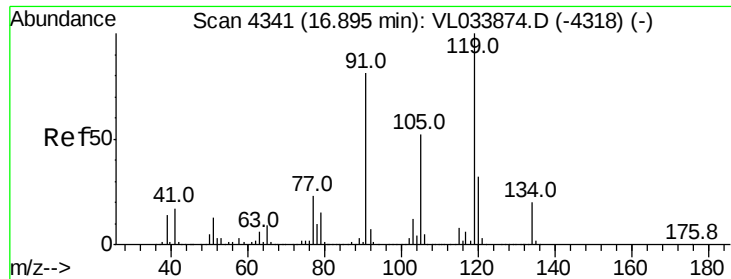
Acq: 7 Jun 2019 3:21

Tgt Ion: 120 Resp: 78092
Ion Ratio Lower Upper

120 100

91 508.4 387.0 580.6





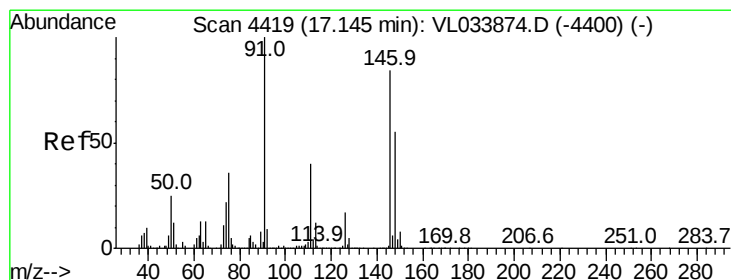
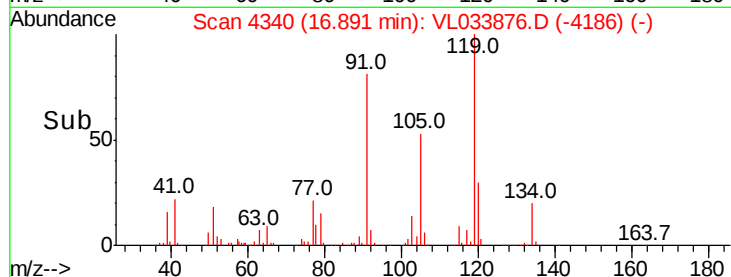
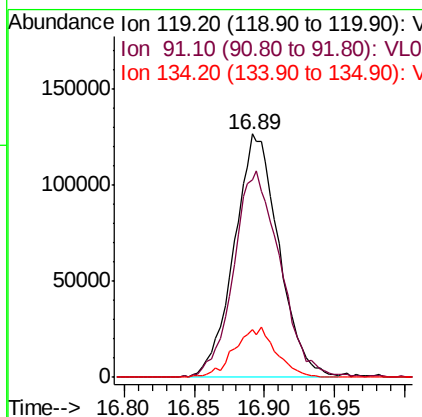
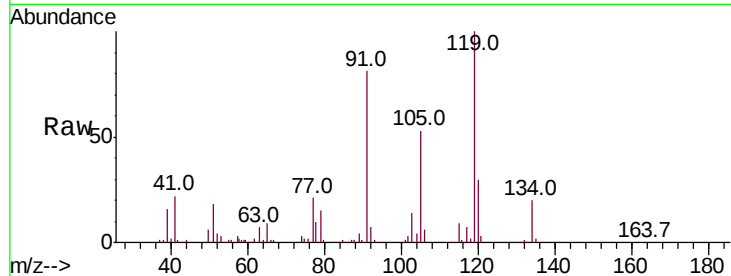
#65
tert-Butylbenzene
Concen: 0.884 ppbv
RT: 16.89 min Scan# 4340
Delta R.T. -0.00 min
Lab File: VL033876.D
Acq: 7 Jun 2019 3:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
119	100	279713		
91	88.4	66.6	100.0	
134	19.2	15.5	23.3	

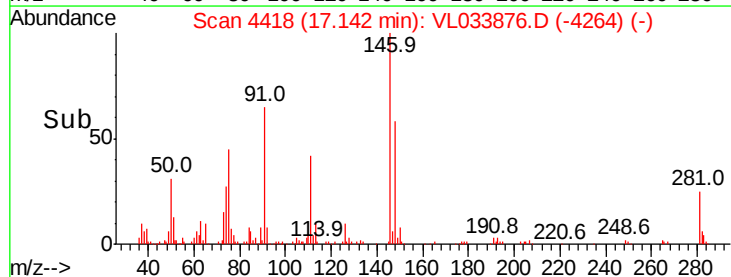
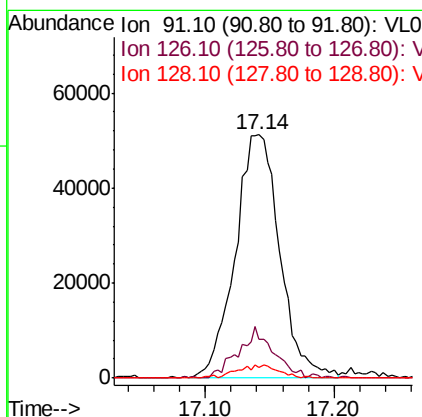
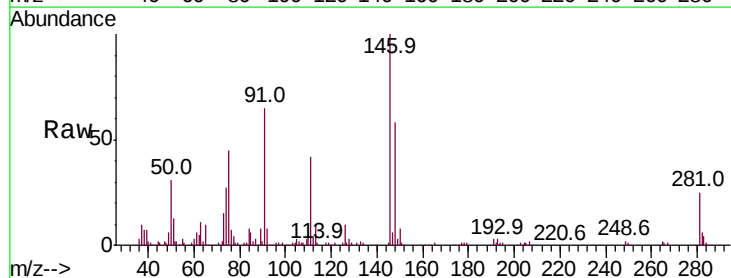
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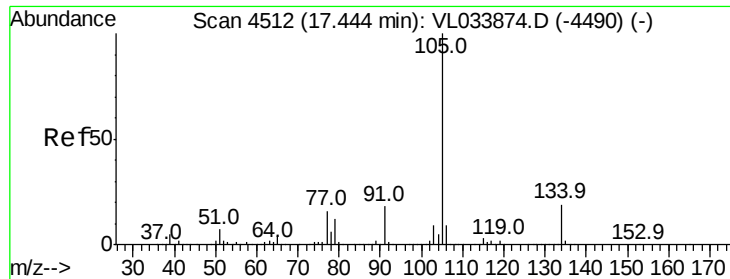
MMDadoda
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#66
Benzyl Chloride
Concen: 0.811 ppbv
RT: 17.14 min Scan# 4418
Delta R.T. -0.00 min
Lab File: VL033876.D
Acq: 7 Jun 2019 3:21

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	122381		
126	16.9	13.8	20.6	
128	5.2	4.4	6.6	





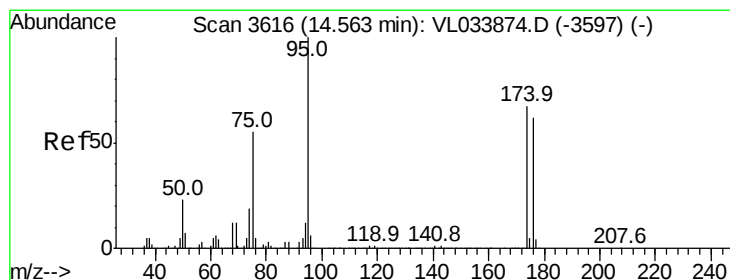
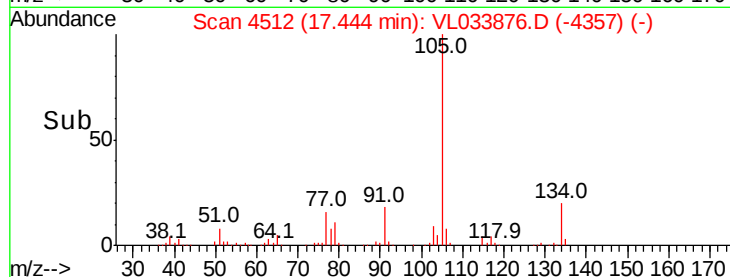
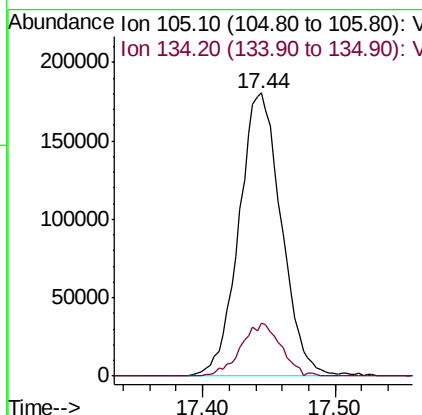
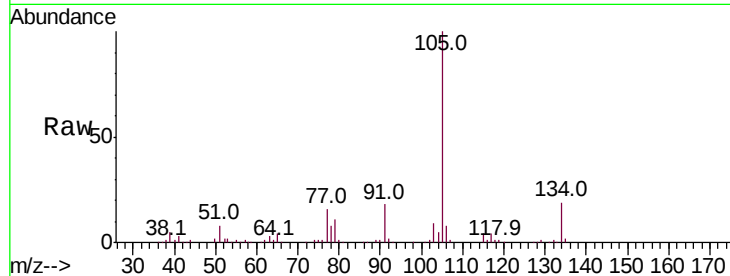
#67
 sec-Butylbenzene
 Concen: 0.901 ppbv
 RT: 17.44 min Scan# 4512
 Delta R.T. -0.00 min
 Lab File: VL033876.D
 Acq: 7 Jun 2019 3:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion: 105 Resp: 399214
 Ion Ratio Lower Upper
 105 100
 134 17.9 14.6 22.0

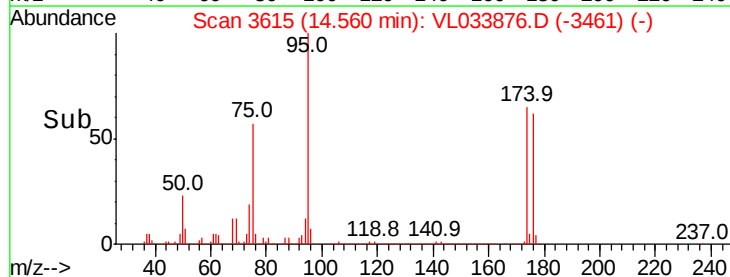
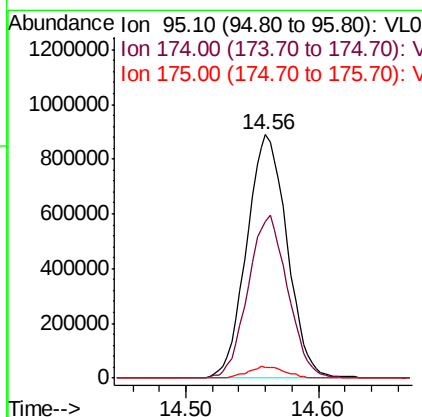
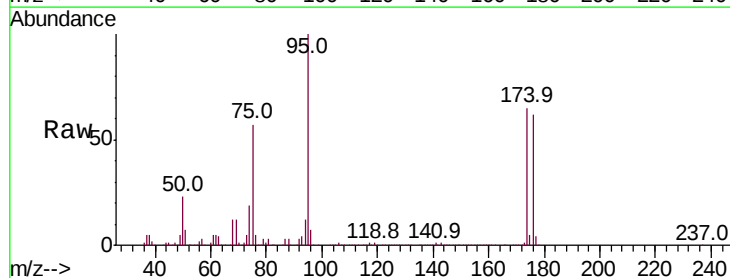
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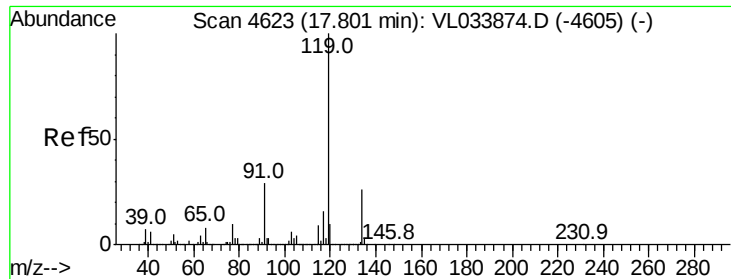
MMDadoda
 6/11/2019 9:18:22 AM



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.485 ppbv
 RT: 14.56 min Scan# 3615
 Delta R.T. -0.00 min
 Lab File: VL033876.D
 Acq: 7 Jun 2019 3:21

Tgt Ion: 95 Resp: 1876907
 Ion Ratio Lower Upper
 95 100
 174 66.5 54.0 81.0
 175 4.7 3.8 5.8





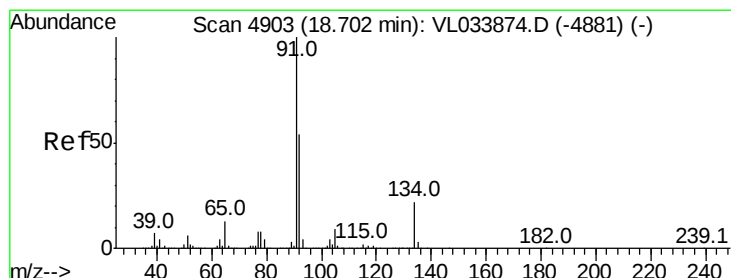
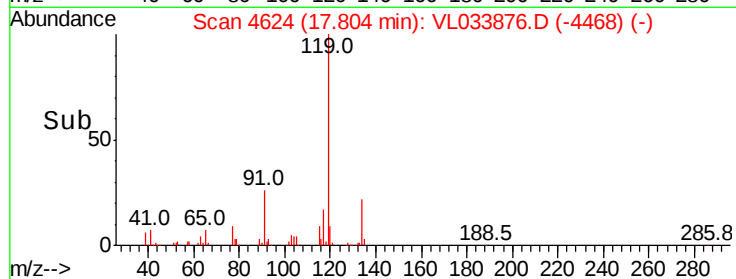
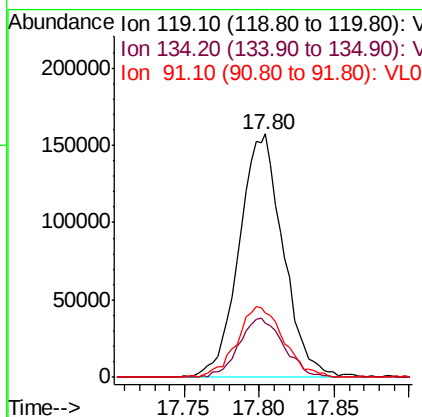
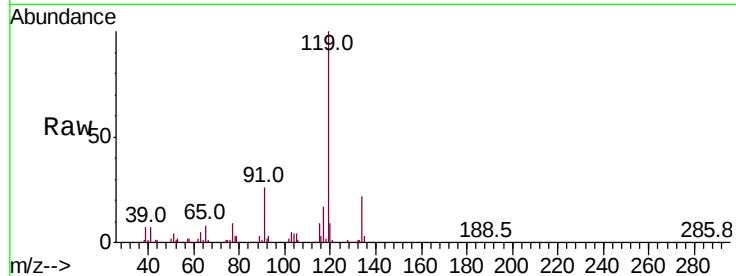
#69
p-Isopropyltoluene
Concen: 0.872 ppbv
RT: 17.80 min Scan# 4624
Delta R.T. 0.00 min
Lab File: VL033876.D
Acq: 7 Jun 2019 3:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
119	100	319736		
134	25.1	20.3	30.5	
91	31.0	23.8	35.6	

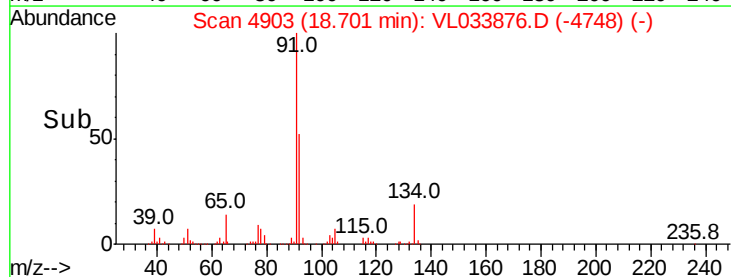
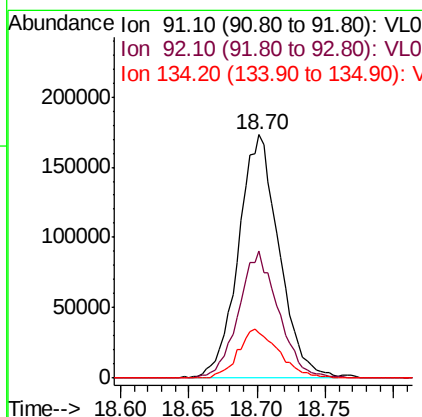
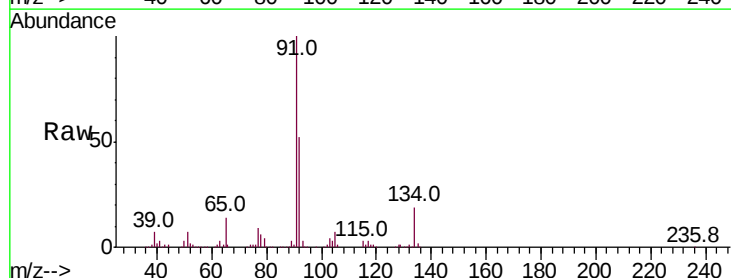
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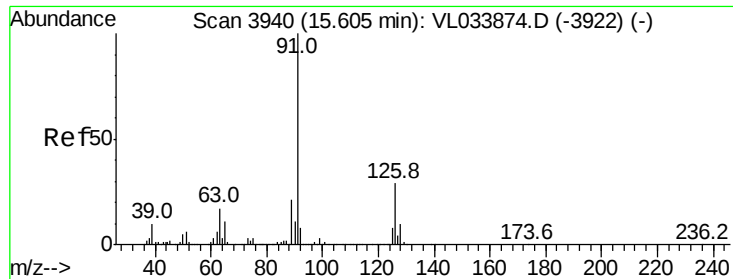
MMDadoda
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#70
n-Butylbenzene
Concen: 0.909 ppbv
RT: 18.70 min Scan# 4903
Delta R.T. -0.00 min
Lab File: VL033876.D
Acq: 7 Jun 2019 3:21

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	358079		
92	51.2	42.5	63.7	
134	19.9	17.8	26.6	





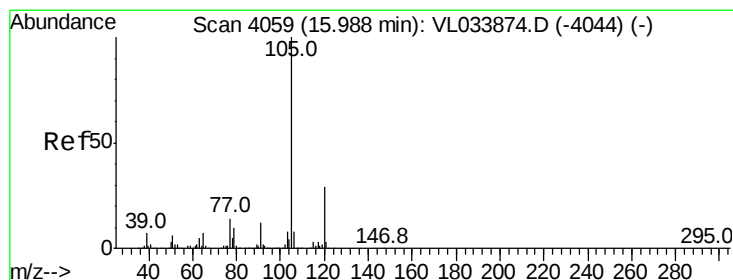
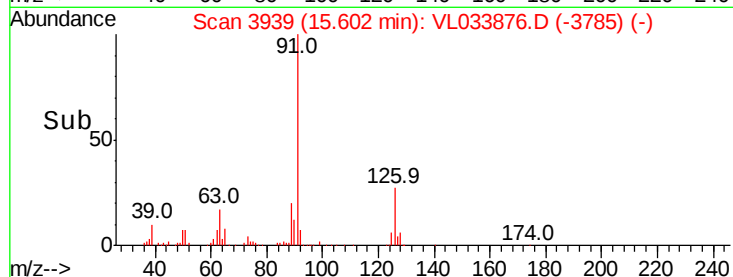
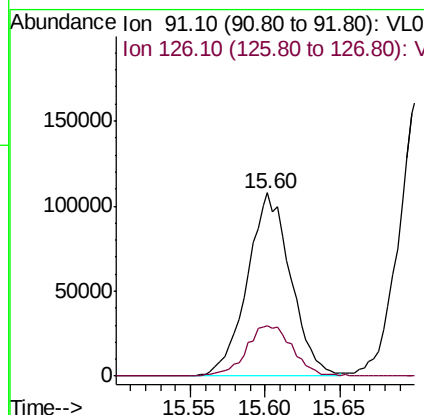
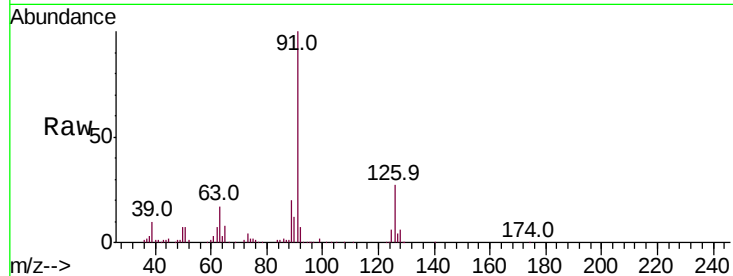
#71
2-Chlorotoluene
Concen: 0.848 ppbv
RT: 15.60 min Scan# 3939
Delta R.T. -0.00 min
Lab File: VL033876.D
Acq: 7 Jun 2019 3:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
91	100		
126	29.2	12.0	48.2

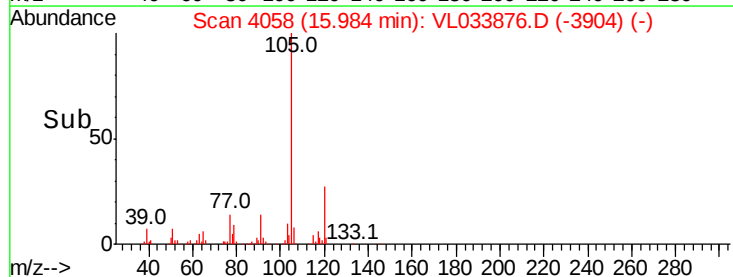
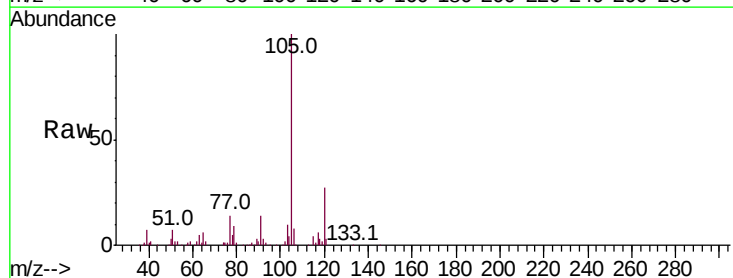
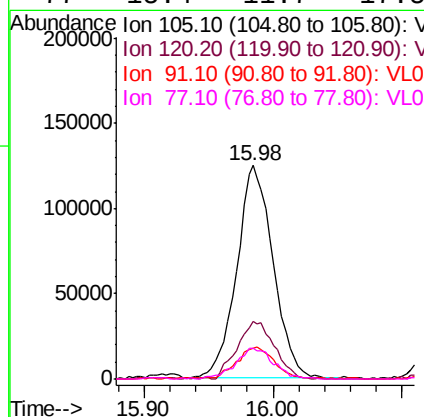
Manual Integrations
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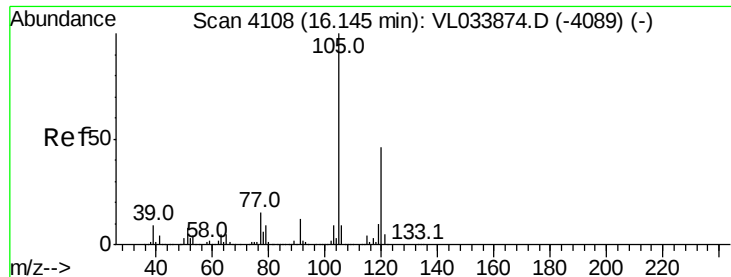
MMDadoda
6/11/2019 9:18:22 AM



#72
4-Ethyltoluene
Concen: 0.828 ppbv
RT: 15.98 min Scan# 4058
Delta R.T. -0.00 min
Lab File: VL033876.D
Acq: 7 Jun 2019 3:21

Tgt Ion	Ratio	Lower	Upper
105	100		
120	28.2	23.5	35.3
91	16.9	10.4	15.6#
77	15.4	11.7	17.5





#73

1,3,5-Trimethylbenzene

Concen: 0.853 ppbv

RT: 16.15 min Scan# 4108

Delta R.T. -0.00 min

Lab File: VL033876.D

Acq: 7 Jun 2019 3:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 245254

Ion Ratio Lower Upper

105 100

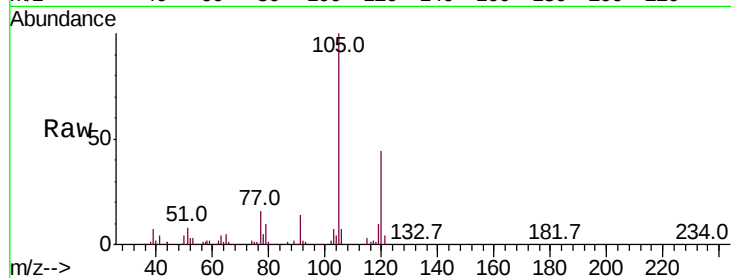
120 43.9 37.1 55.7

Manual Integrations

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

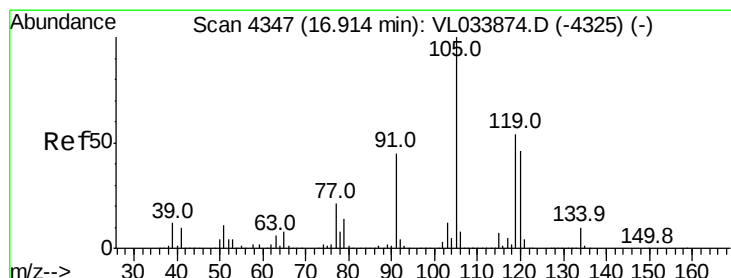
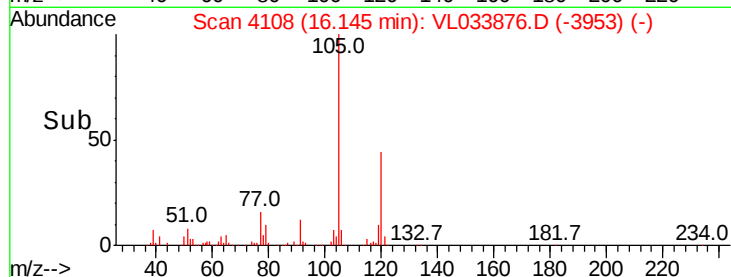
16.15

100000

50000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 0.948 ppbv

RT: 16.91 min Scan# 4345

Delta R.T. -0.01 min

Lab File: VL033876.D

Acq: 7 Jun 2019 3:21

Tgt Ion:105 Resp: 297213

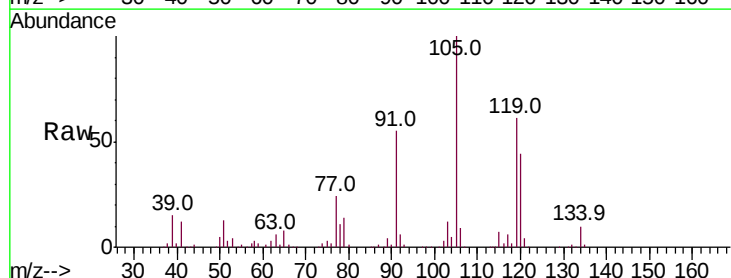
Ion Ratio Lower Upper

105 100

120 44.2 36.7 55.1

91 53.7 35.8 53.8

77 23.7 16.9 25.3



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): VLO

Ion 77.10 (76.80 to 77.80): VLO

200000

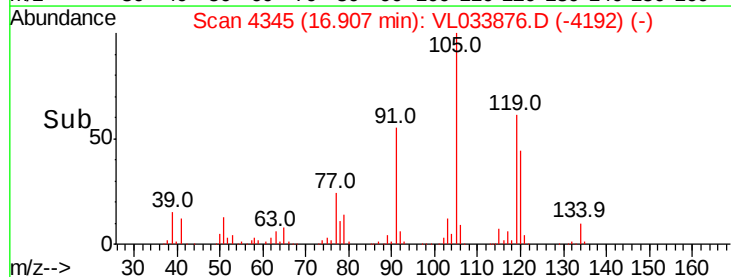
150000

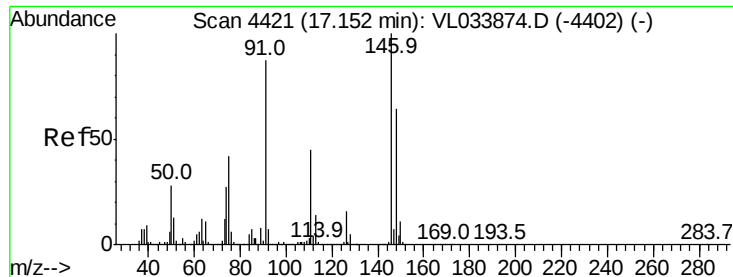
100000

50000

0

Time-->





#75

1,3-Dichlorobenzene

Concen: 0.982 ppbv

RT: 17.15 min Scan# 4420

Delta R.T. -0.00 min

Lab File: VL033876.D

Acq: 7 Jun 2019 3:21

Instrument :

MSVOA_L

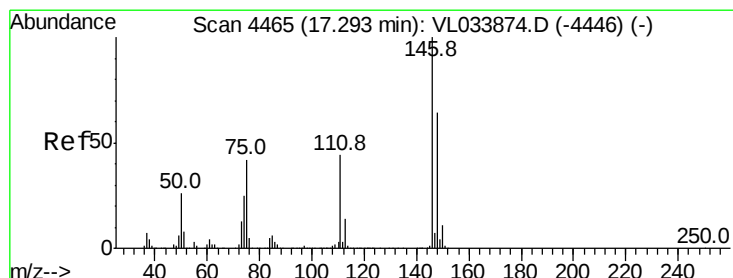
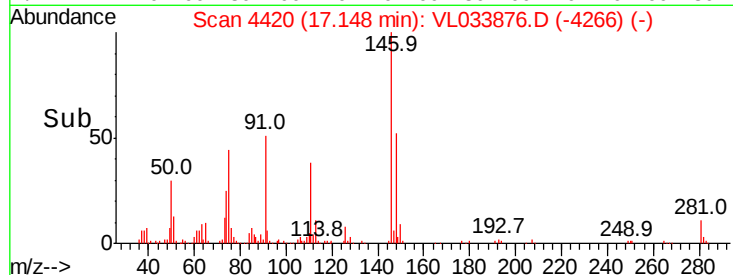
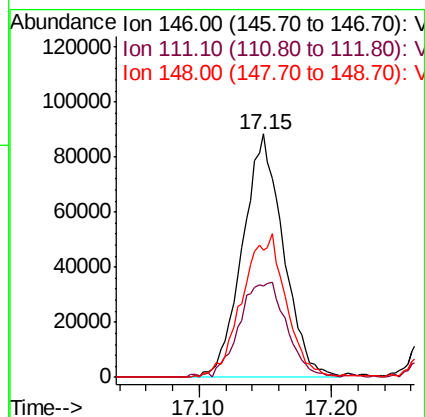
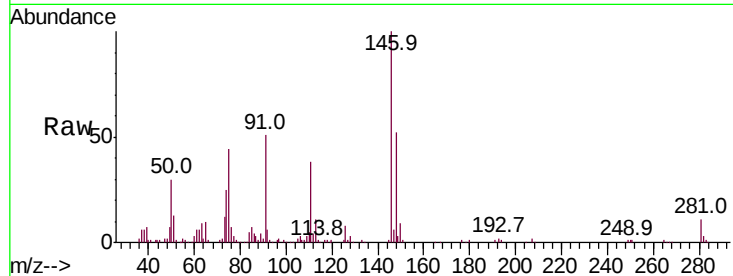
ClientSampleId :

VSTDIC001

Tot Ion:	146	Resp:	189036
Ion Ratio	Lower	Upper	
146	100		
111	45.7	22.8	68.3
148	63.3	32.2	96.6

Manual Integrations
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6/11/2019 9:18:22 AM



#76

1,4-Dichlorobenzene

Concen: 0.930 ppbv m

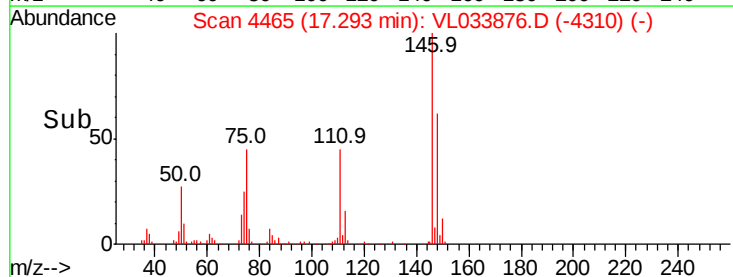
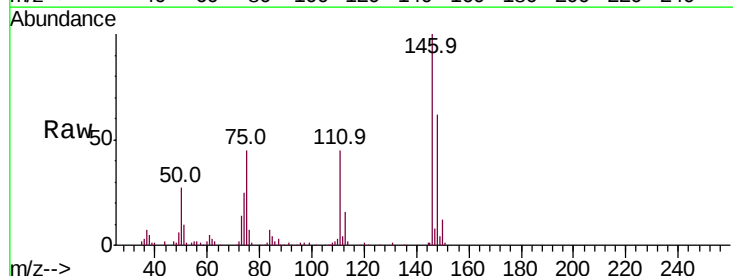
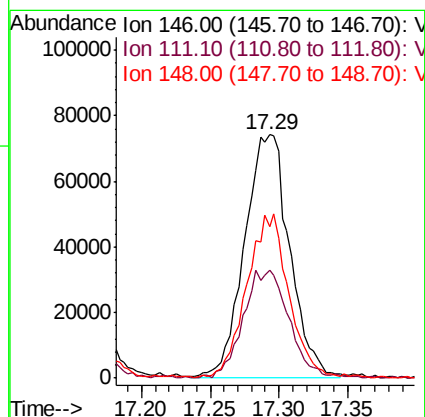
RT: 17.29 min Scan# 4465

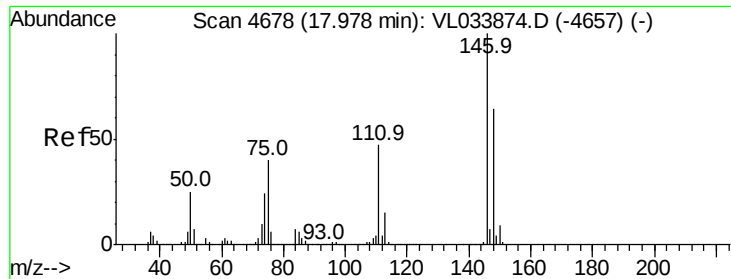
Delta R.T. -0.00 min

Lab File: VL033876.D

Acq: 7 Jun 2019 3:21

Tgt Ion:	146	Resp:	169877
Ion Ratio	Lower	Upper	
146	100		
111	45.4	22.1	66.5
148	63.7	32.4	97.0





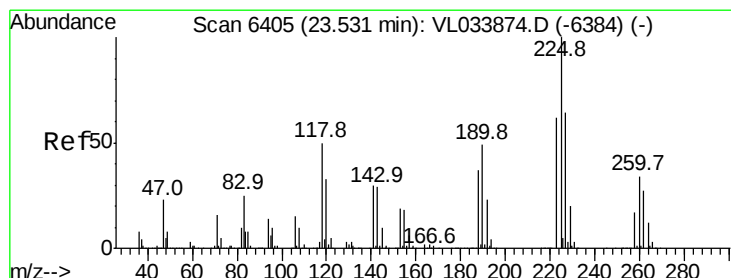
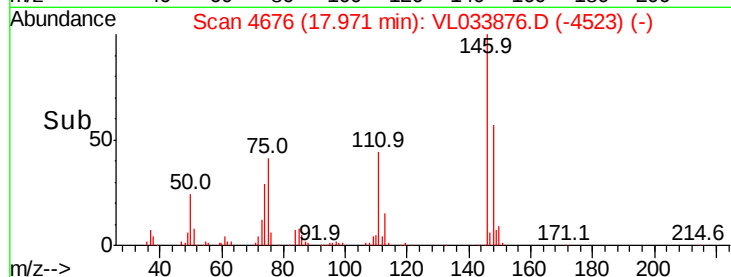
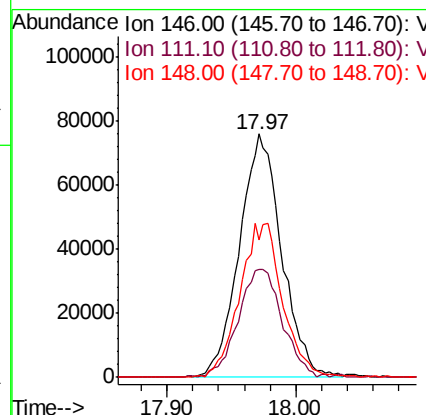
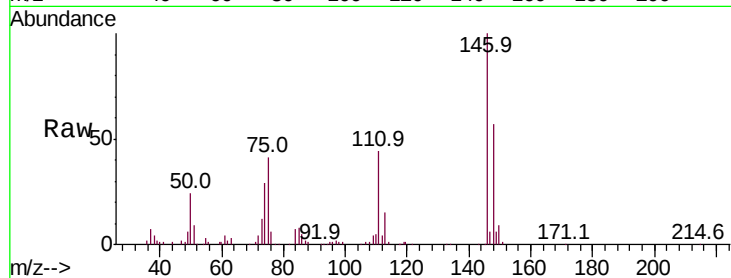
#77
 1,2-Dichlorobenzene
 Concen: 0.952 ppbv
 RT: 17.97 min Scan# 4676
 Delta R.T. -0.01 min
 Lab File: VL033876.D
 Acq: 7 Jun 2019 3:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.5	23.4	70.0
148	64.3	31.8	95.4

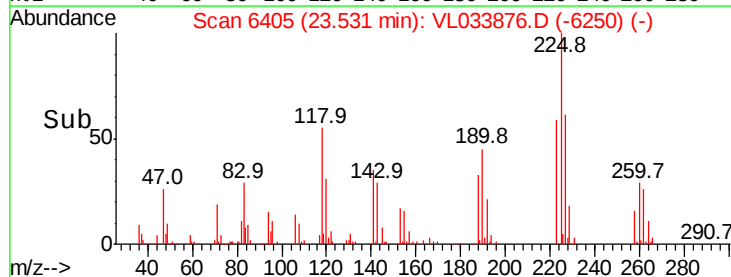
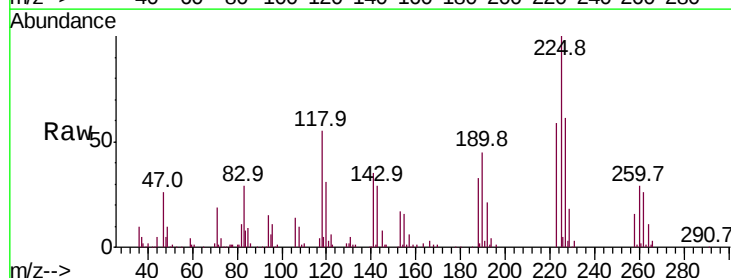
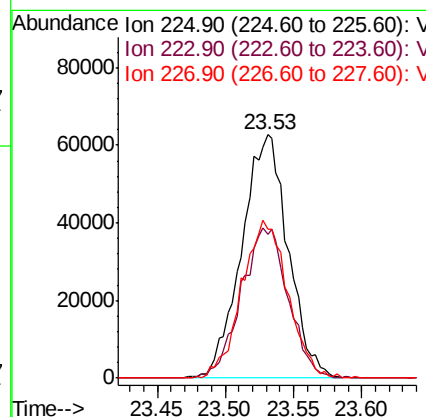
Manual Integrations
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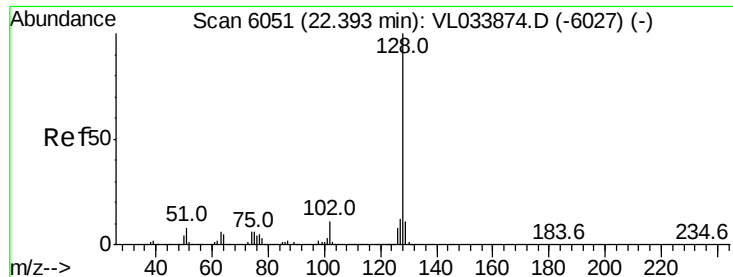
MMDadoda
 6/11/2019 9:18:22 AM



#78
 Hexachloro-1,3-Butadiene
 Concen: 1.078 ppbv
 RT: 23.53 min Scan# 6405
 Delta R.T. -0.00 min
 Lab File: VL033876.D
 Acq: 7 Jun 2019 3:21

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	50.8	76.2
227	65.1	51.8	77.6





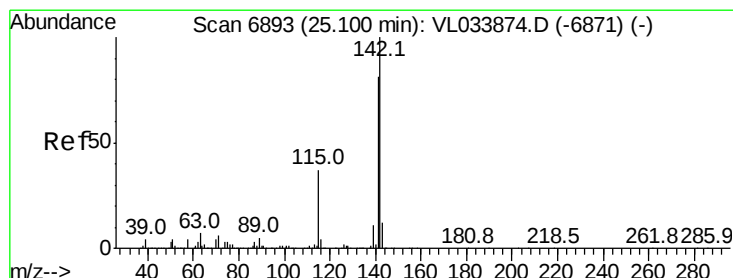
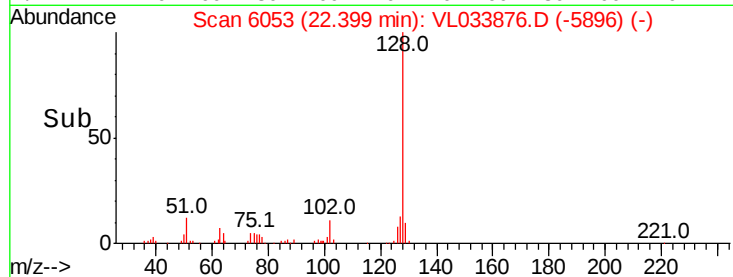
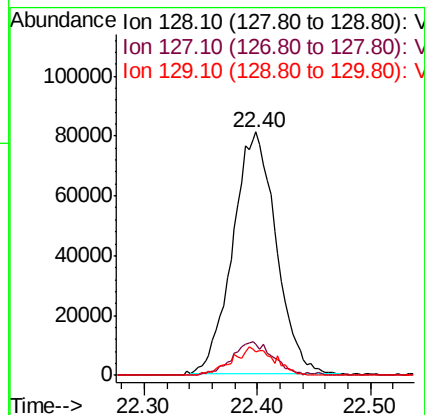
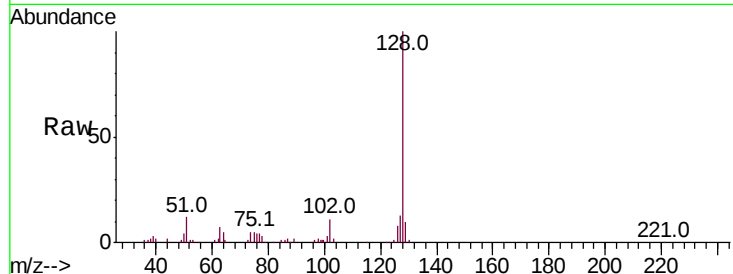
#79
Naphthalene
Concen: 0.759 ppbv
RT: 22.40 min Scan# 6053
Delta R.T. 0.01 min
Lab File: VL033876.D
Acq: 7 Jun 2019 3:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	9.7	14.5
129	10.0	8.6	12.8

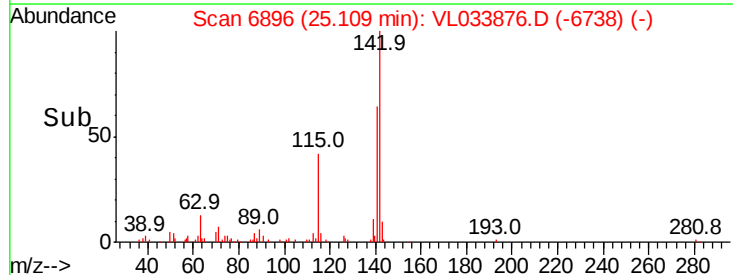
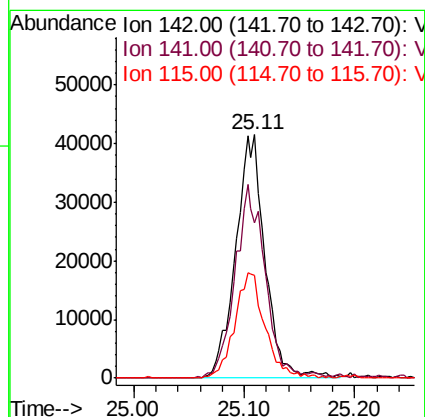
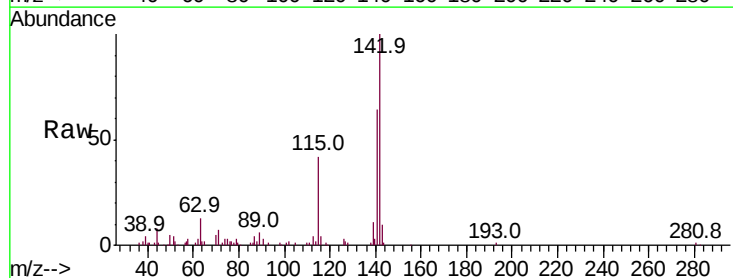
Manual Integrations
APPROVED

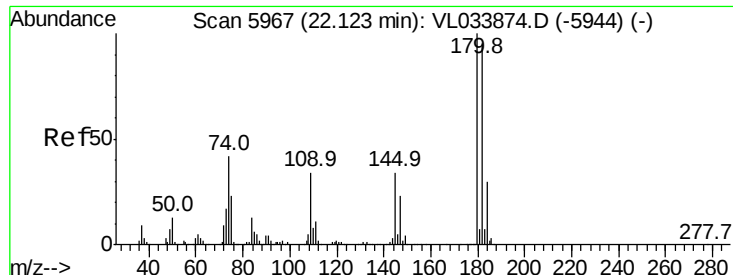
MMDadoda
6/11/2019 9:18:22 AM



#80
Naphthalene, 2-methyl-
Concen: 0.757 ppbv
RT: 25.11 min Scan# 6896
Delta R.T. 0.01 min
Lab File: VL033876.D
Acq: 7 Jun 2019 3:21

Tgt Ion	Ratio	Lower	Upper
142	100		
141	81.9	65.7	98.5
115	44.3	28.9	43.3#





#81
 1,2,4-Trichlorobenzene
 Concen: 0.881 ppbv
 RT: 22.12 min Scan# 5966
 Delta R.T. -0.00 min
 Lab File: VL033876.D
 Acq: 7 Jun 2019 3:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion:	180	Resp:	148047
Ion Ratio	Lower	Upper	
180	100		
182	96.8	76.9	115.3
184	31.0	24.5	36.7

Manual Integrations
 APPROVED

MMDadoda
 6/11/2019 9:18:22 AM

