

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091018\
 Data File : VL032483.D
 Acq On : 10 Sep 2018 17:29
 Operator : SY/AP
 Sample : VL0910ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0910ABS01

Manual Integrations
 APPROVED

MMDadoda
 9/12/2018 3:59:33 PM

Quant Time: Sep 11 01:19:49 2018

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL083118AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 31

QLast Update : Fri Aug 31 21:33:46 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.80	49	1507879	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.34	114	3692600	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.29	117	3544264m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.62	95	2628775	9.99	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.90%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.10	85	1082872	5.61	ppbv	99
3) Chlorodifluoromethane	3.04	51	1197119	8.77	ppbv	99
4) Chloromethane	3.19	50	703064	8.51	ppbv	98
5) Vinyl Chloride	3.32	62	675923	8.29	ppbv	100
6) Bromomethane	3.54	94	378095	8.83	ppbv	97
7) Chloroethane	3.63	64	254095	9.00	ppbv	99
8) Dichlorotetrafluoroethane	3.25	85	1429938	8.35	ppbv	99
9) Propene	3.06	41	571684	10.38	ppbv	99
10) Heptane	8.29	43	2298965	11.64	ppbv	99
11) Trichlorofluoromethane	4.03	101	1487884	8.56	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.59	101	1256502	10.66	ppbv	100
13) Ethanol	3.68	45	138087	8.05	ppbv	99
14) Bromoethene	3.82	108	459115	9.19	ppbv	100
15) Acetone	3.93	43	1164904	8.58	ppbv	99
16) 1,3-Butadiene	3.39	39	548492	8.58	ppbv	97
17) tert-Butyl alcohol	4.39	59	213549	10.22	ppbv #	100
18) 1,1-Dichloroethene	4.38	96	603541	11.21	ppbv	98
19) Isopropyl Alcohol	4.05	45	883789	9.92	ppbv #	98
20) Methylene Chloride	4.44	84	540278	10.43	ppbv	91
21) Allyl Chloride	4.51	41	1061768	11.77	ppbv	99
22) trans-1,2-Dichloroethene	5.00	96	580972	9.94	ppbv	99
23) Vinyl Acetate	5.19	43	2608810	11.59	ppbv	99
24) 1,1-Dichloroethane	5.13	63	1864162	10.05	ppbv	99
25) Ethyl Acetate	5.81	43	3150129	9.82	ppbv	100
26) Hexane	5.82	57	1454570	10.13	ppbv	99
27) Carbon Disulfide	4.65	76	1570385	11.85	ppbv	99
28) Methyl tert-Butyl Ether	5.15	73	1995892	11.32	ppbv	99
29) Chloroform	5.89	83	2146161	9.80	ppbv	99
30) Cyclohexane	7.29	84	1371514	13.05	ppbv	99
31) cis-1,2-Dichloroethene	5.68	61	1438237	11.06	ppbv	99
32) 1,1,1-Trichloroethane	6.66	97	2029137	9.94	ppbv	98
34) 2-Butanone	5.36	43	2100189	8.56	ppbv	100
35) Carbon Tetrachloride	7.17	117	2349014	9.46	ppbv	99
36) Benzene	7.05	78	3150330	10.03	ppbv	100
37) 1,2-Dichloroethane	6.45	62	1599540	8.31	ppbv	99
38) Trichloroethene	8.00	130	1151851	9.65	ppbv	98
39) 1,2-Dichloropropane	7.78	63	1355505	10.08	ppbv	98
40) 1,4-Dioxane	8.00	88	416592	10.33	ppbv	95
41) Tetrahydrofuran	6.19	42	1262446	9.45	ppbv	100
42) Bromodichloromethane	7.96	83	2624546	9.88	ppbv	99
43) Methyl Methacrylate	8.18	69	1405593	10.54	ppbv	99

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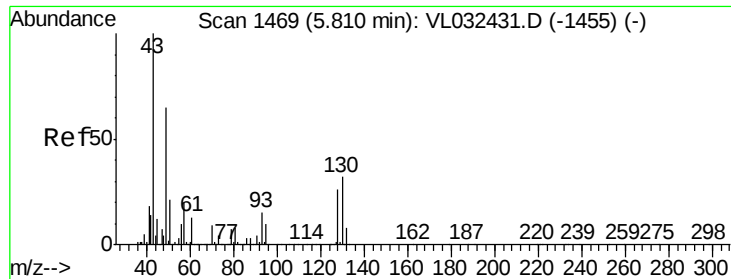
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 31

QLast Update : Fri Aug 31 21:33:46 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.04	57	5890305	9.70	ppbv	99
45) t-1,3-Dichloropropene	9.46	75	1776023	12.45	ppbv	99
46) cis-1,3-Dichloropropene	8.88	75	2030110	11.14	ppbv	98
47) 1,1,2-Trichloroethane	9.66	97	1386803	9.70	ppbv	100
48) Dibromochloromethane	10.50	129	2256181	11.40	ppbv	99
49) Bromoform	13.25	173	1681000	9.77	ppbv	99
50) 4-Methyl-2-Pentanone	8.91	43	3510812	9.50	ppbv	100
51) 2-Hexanone	10.32	43	3084280	12.96	ppbv	100
52) Tetrachloroethene	11.42	164	954562	9.80	ppbv	97
53) Toluene	9.99	91	3903809	11.88	ppbv	100
54) 1,2-Dibromoethane	10.81	107	2084525	10.86	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.33	131	1453454	9.10	ppbv #	58
57) Chlorobenzene	12.35	112	2596063	9.16	ppbv	99
58) Ethyl Benzene	12.91	91	4752572	11.21	ppbv	98
59) m/p-Xylene	13.20	91	7776407m	20.57	ppbv	
60) o-Xylene	13.90	91	3807605	10.25	ppbv	99
61) Styrene	13.73	104	2891222	12.02	ppbv	99
62) Isopropylbenzene	14.88	105	5353207	10.25	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.88	83	2892594	8.71	ppbv	100
64) n-propylbenzene	15.77	120	1425504	10.44	ppbv	100
65) tert-Butylbenzene	16.96	119	4573698	10.16	ppbv	100
66) Benzyl Chloride	17.20	91	2864650	11.43	ppbv	100
67) sec-Butylbenzene	17.51	105	6797274	10.05	ppbv	99
69) p-Isopropyltoluene	17.86	119	5427054	10.35	ppbv	100
70) n-Butylbenzene	18.76	91	5995808	10.09	ppbv	99
71) 2-Chlorotoluene	15.67	91	4238676	10.63	ppbv	99
72) 4-Ethyltoluene	16.05	105	4489107	11.07	ppbv	100
73) 1,3,5-Trimethylbenzene	16.21	105	4260468	10.49	ppbv	99
74) 1,2,4-Trimethylbenzene	16.97	105	4314815	9.71	ppbv	97
75) 1,3-Dichlorobenzene	17.21	146	2423033	9.19	ppbv	99
76) 1,4-Dichlorobenzene	17.35	146	2415500	9.88	ppbv	99
77) 1,2-Dichlorobenzene	18.04	146	2403821	9.45	ppbv	99
78) Hexachloro-1,3-Butadiene	23.59	225	763075	8.03	ppbv	100
79) Naphthalene	22.47	128	3985149	11.03	ppbv	99
80) Naphthalene, 2-methyl-	25.15	142	1479470	15.39	ppbv	99
81) 1,2,4-Trichlorobenzene	22.19	180	1908506	10.49	ppbv	99

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



#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.80 min Scan# 891

Delta R.T. -0.01 min

Lab File: VL032483.D

Acq: 10 Sep 2018 17:29

Instrument :

MSVOA_L

ClientSampleId :

VL0910ABS01

Tot Ion: 49 Resp: 1507879

Ion Ratio Lower Upper

49 100

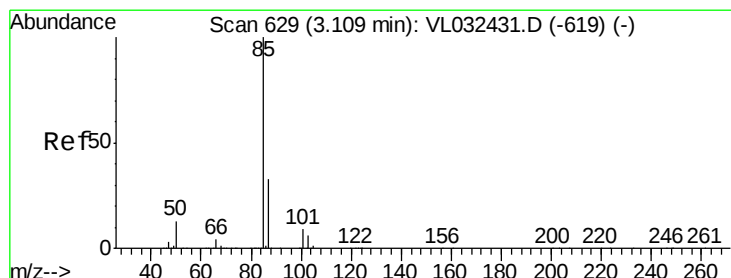
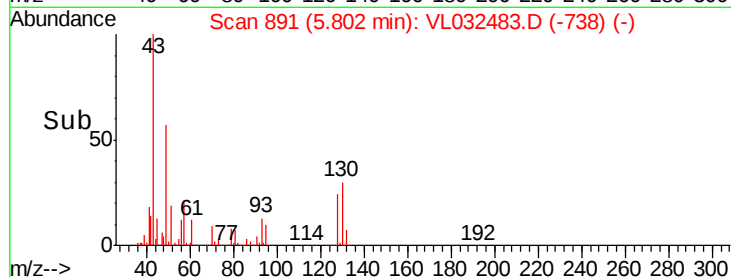
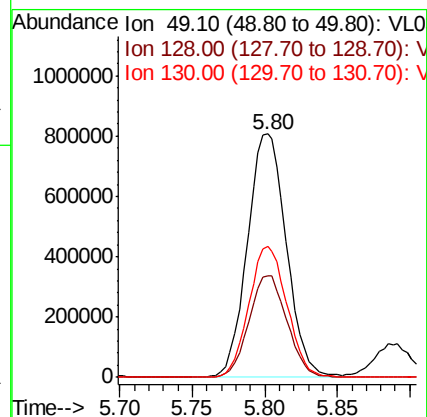
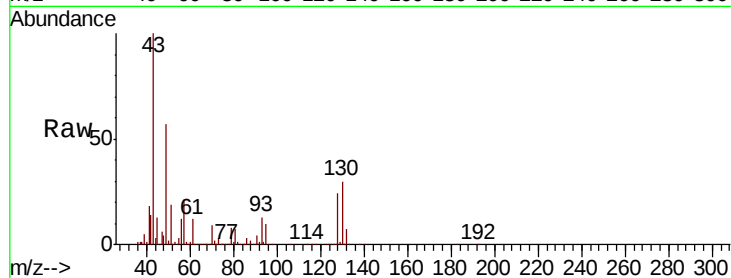
128 41.3 20.7 62.1

130 53.0 26.6 79.7

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#2

Dichlorodifluoromethane

Concen: 5.61 ppbv

RT: 3.10 min Scan# 51

Delta R.T. -0.01 min

Lab File: VL032483.D

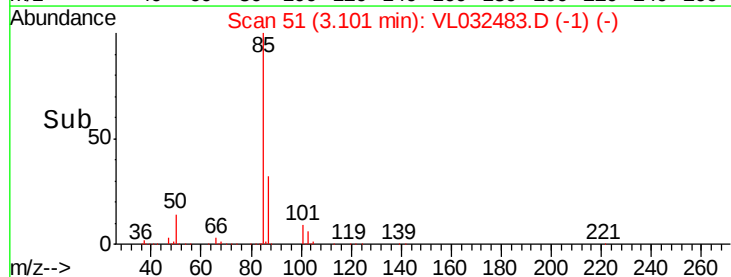
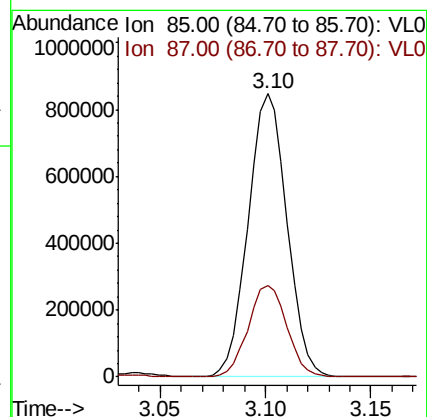
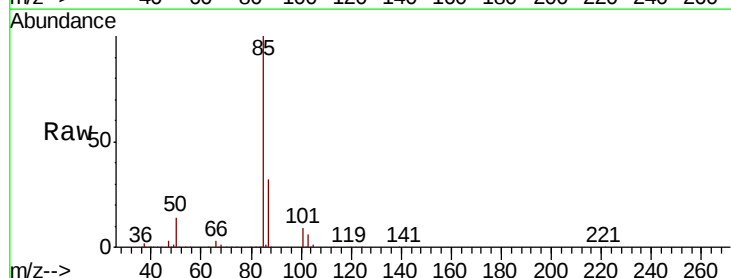
Acq: 10 Sep 2018 17:29

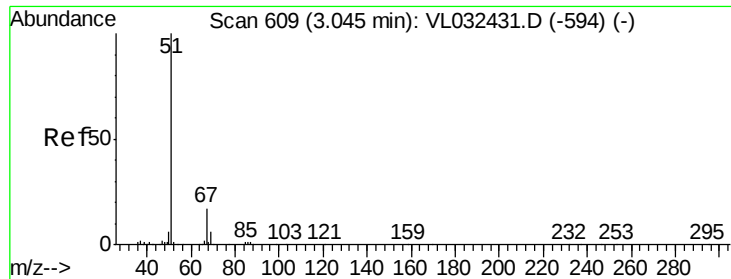
Tgt Ion: 85 Resp: 1082872

Ion Ratio Lower Upper

85 100

87 32.5 26.2 39.4





#3

Chlorodifluoromethane

Concen: 8.77 ppbv

RT: 3.04 min Scan# 31

Delta R.T. -0.01 min

Lab File: VL032483.D

Acq: 10 Sep 2018 17:29

Tot Ion: 51 Resp: 1197119

Ion Ratio Lower Upper

51 100

67 16.9 13.8 20.8

Instrument :

MSVOA_L

ClientSampleId :

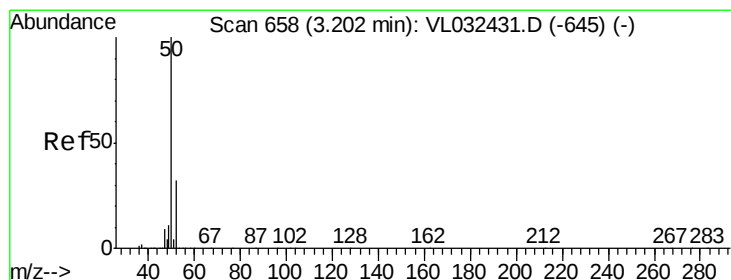
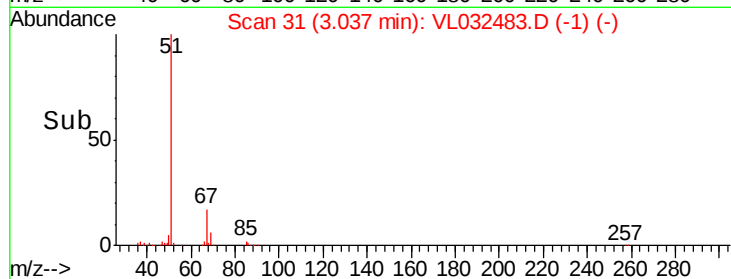
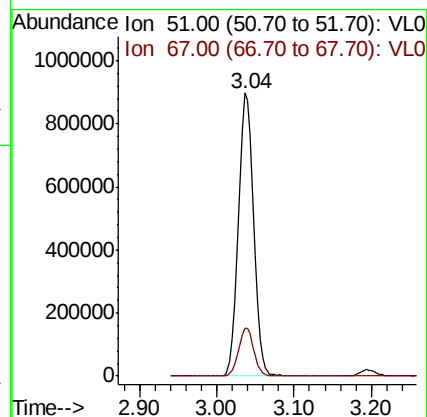
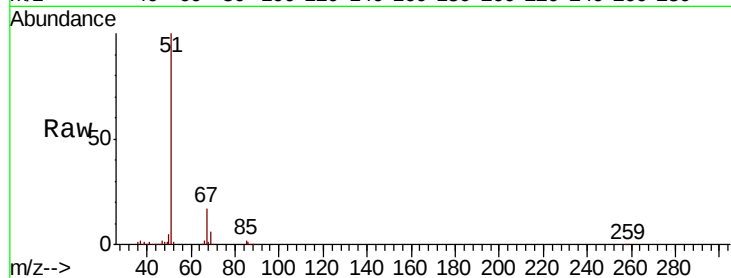
VL0910ABS01

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9/12/2018 3:59:33 PM



#4

Chloromethane

Concen: 8.51 ppbv

RT: 3.19 min Scan# 80

Delta R.T. -0.01 min

Lab File: VL032483.D

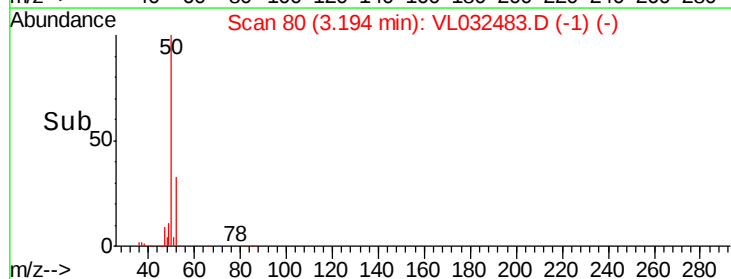
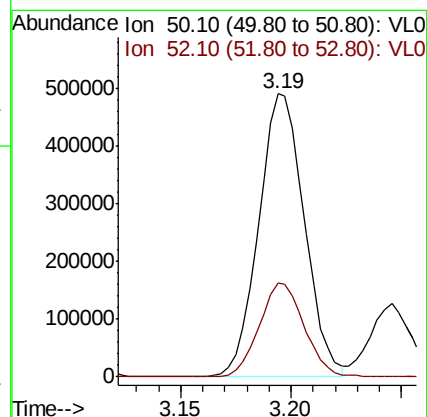
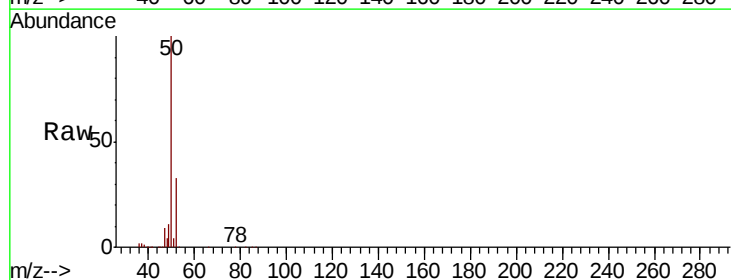
Acq: 10 Sep 2018 17:29

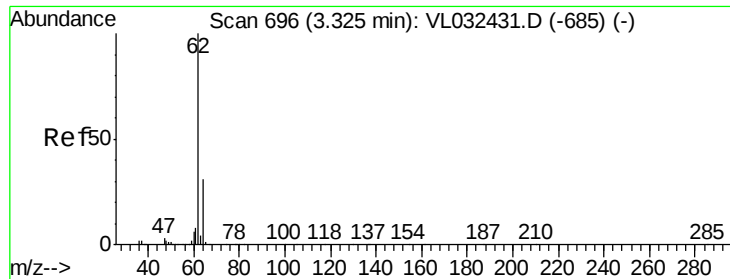
Tgt Ion: 50 Resp: 703064

Ion Ratio Lower Upper

50 100

52 33.2 25.6 38.4





#5

Vinyl Chloride

Concen: 8.29 ppbv

RT: 3.32 min Scan# 118

Delta R.T. -0.01 min

Lab File: VL032483.D

Acq: 10 Sep 2018 17:29

Instrument :

MSVOA_L

ClientSampleId :

VL0910ABS01

Tot Ion: 62 Resp: 675923

Ion Ratio Lower Upper

62 100

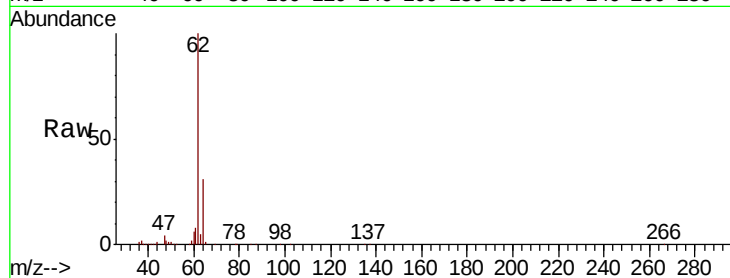
64 31.4 25.0 37.6

Manual Integrations

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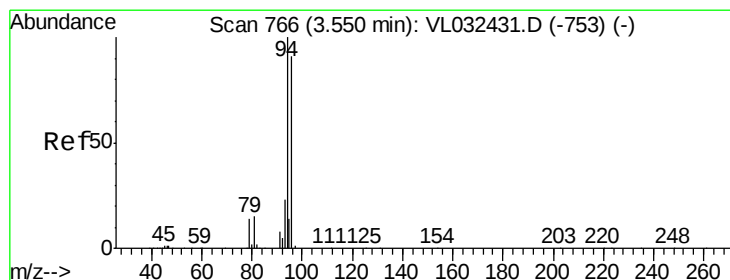
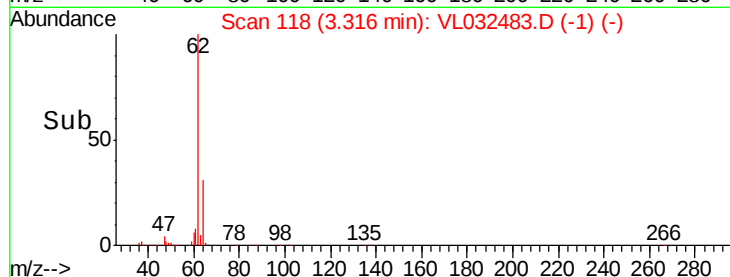
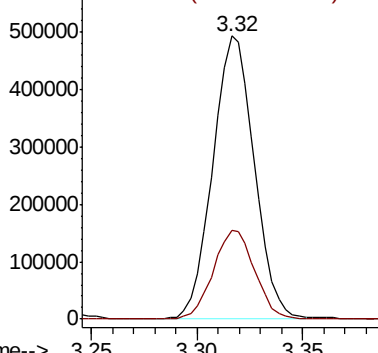
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 8.83 ppbv

RT: 3.54 min Scan# 188

Delta R.T. -0.01 min

Lab File: VL032483.D

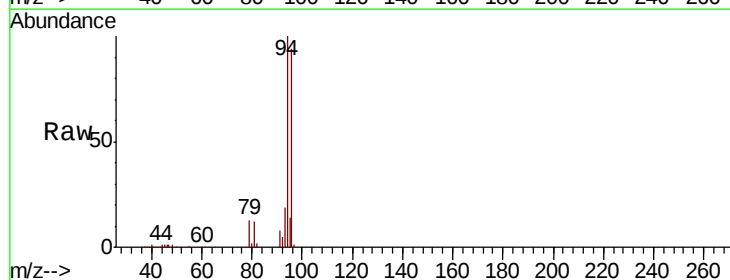
Acq: 10 Sep 2018 17:29

Tgt Ion: 94 Resp: 378095

Ion Ratio Lower Upper

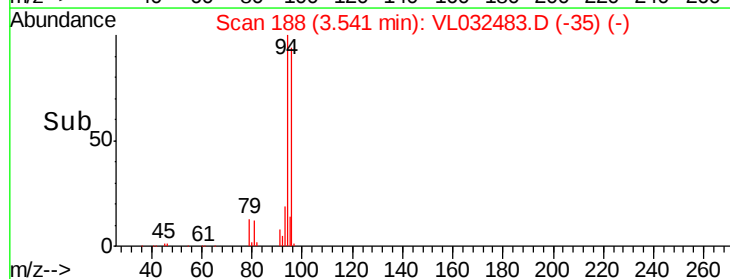
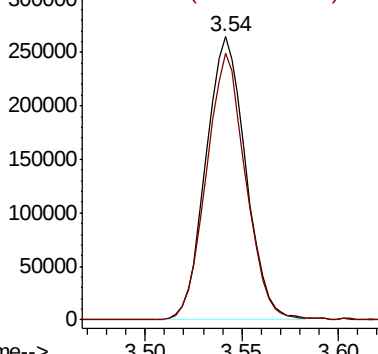
94 100

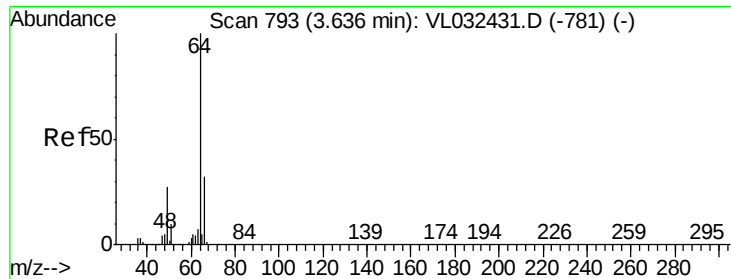
96 94.2 72.8 109.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.00 ppbv

RT: 3.63 min Scan# 215

Delta R.T. -0.01 min

Lab File: VL032483.D

Acq: 10 Sep 2018 17:29

Instrument :

MSVOA_L

ClientSampleId :

VL0910ABS01

Tot Ion: 64 Resp: 254095

Ion Ratio Lower Upper

64 100

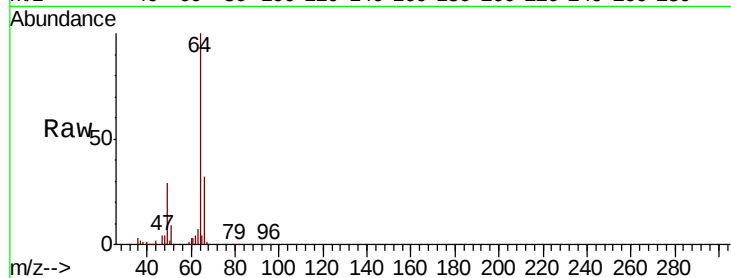
66 31.5 25.8 38.6

Manual Integrations

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9/12/2018 3:59:33 PM



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.63

200000

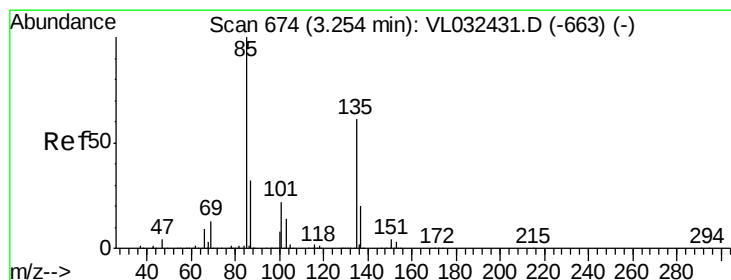
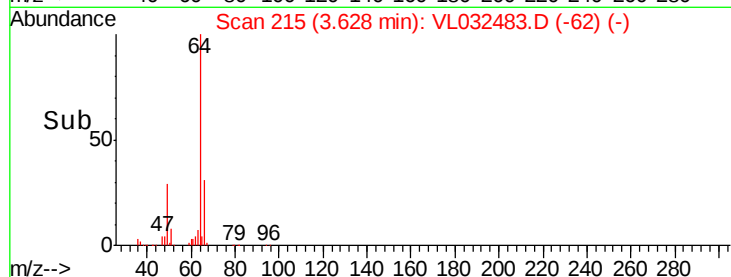
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 8.35 ppbv

RT: 3.25 min Scan# 96

Delta R.T. -0.01 min

Lab File: VL032483.D

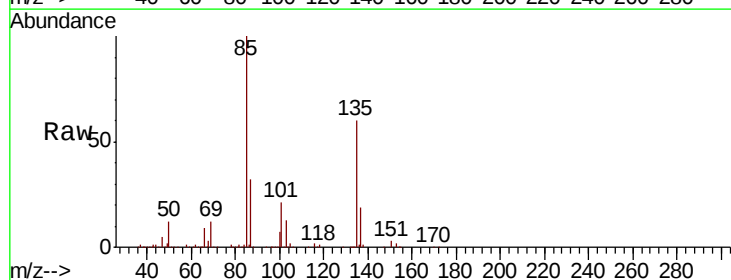
Acq: 10 Sep 2018 17:29

Tgt Ion: 85 Resp: 1429938

Ion Ratio Lower Upper

85 100

135 61.3 48.6 72.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.25

1200000

1000000

800000

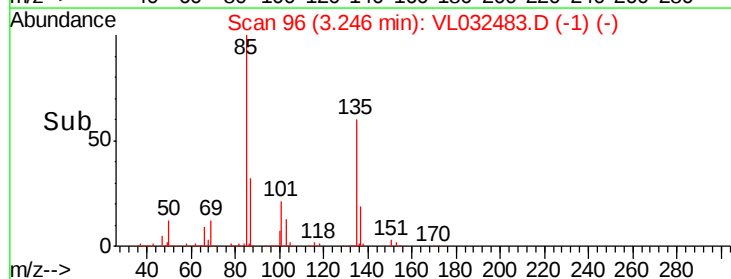
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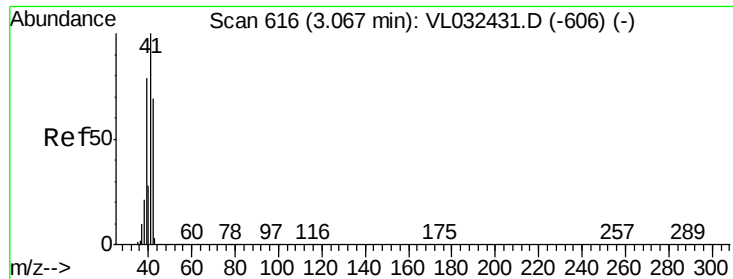
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200000

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Time-->





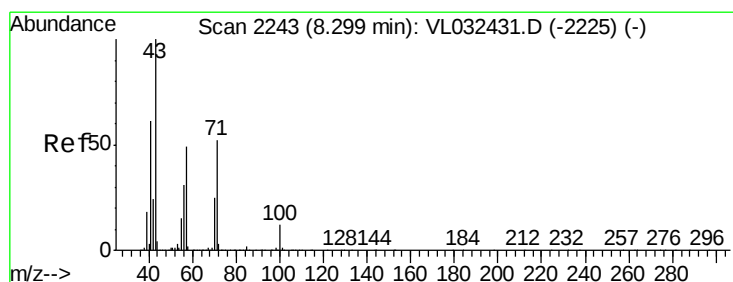
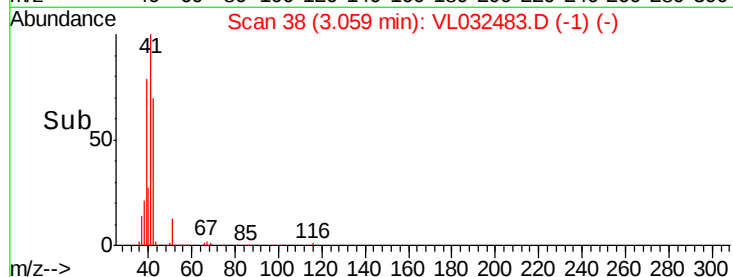
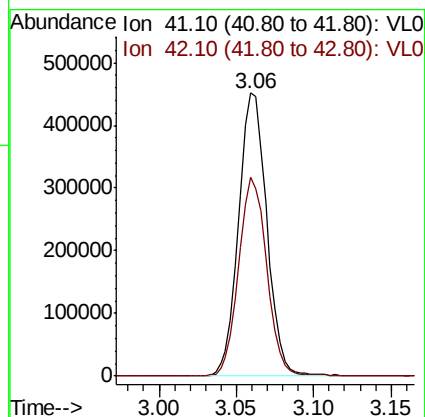
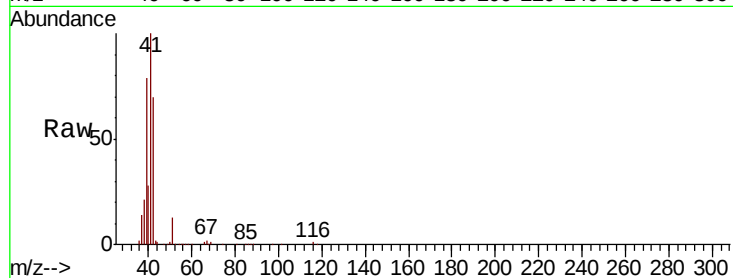
#9
 Propene
 Concen: 10.38 ppbv
 RT: 3.06 min Scan# 38
 Delta R.T. -0.01 min
 Lab File: VL032483.D
 Acq: 10 Sep 2018 17:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0910ABS01

Tot Ion: 41 Resp: 571684
 Ion Ratio Lower Upper
 41 100
 42 70.1 56.6 84.8

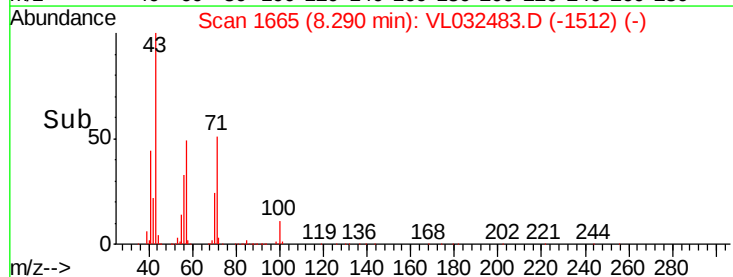
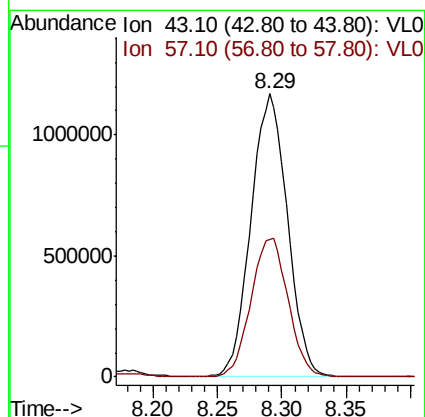
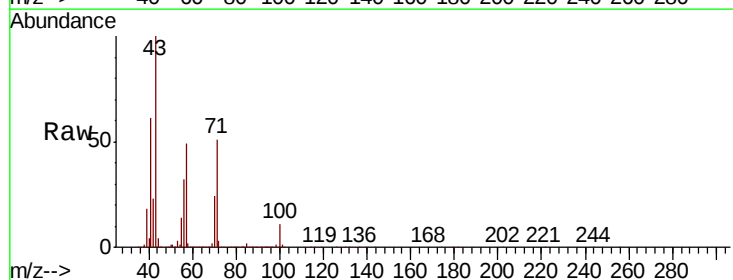
Manual Integrations
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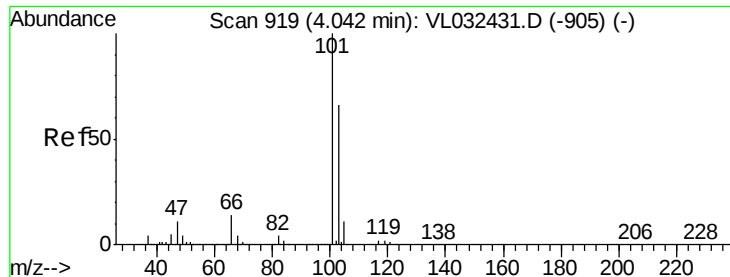
MMDadoda
 9/12/2018 3:59:33 PM



#10
 Heptane
 Concen: 11.64 ppbv
 RT: 8.29 min Scan# 1665
 Delta R.T. -0.01 min
 Lab File: VL032483.D
 Acq: 10 Sep 2018 17:29

Tgt Ion: 43 Resp: 2298965
 Ion Ratio Lower Upper
 43 100
 57 49.9 39.6 59.4





#11

Trichlorofluoromethane

Concen: 8.56 ppbv

RT: 4.03 min Scan# 341

Delta R.T. -0.01 min

Lab File: VL032483.D

Acq: 10 Sep 2018 17:29

Instrument :

MSVOA_L

ClientSampleId :

VL0910ABS01

Tot Ion:101 Resp: 1487884

Ion Ratio Lower Upper

101 100

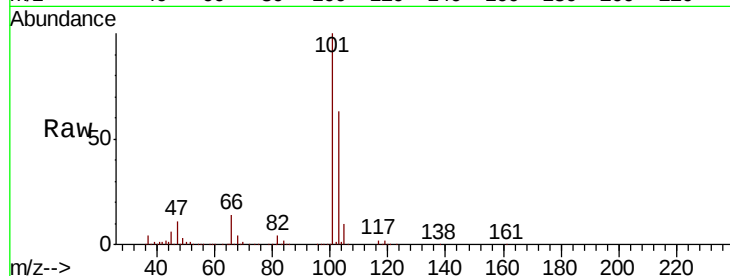
103 62.8 52.8 79.2

Manual Integrations

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9/12/2018 3:59:33 PM



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

4.03

1000000

800000

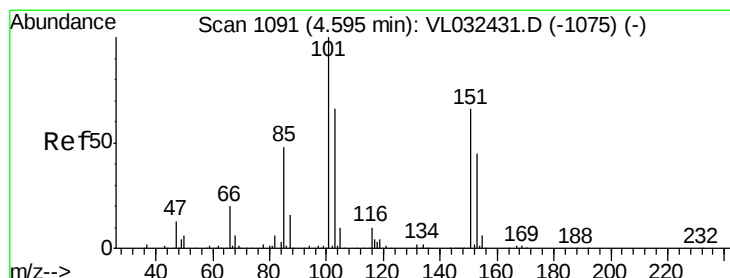
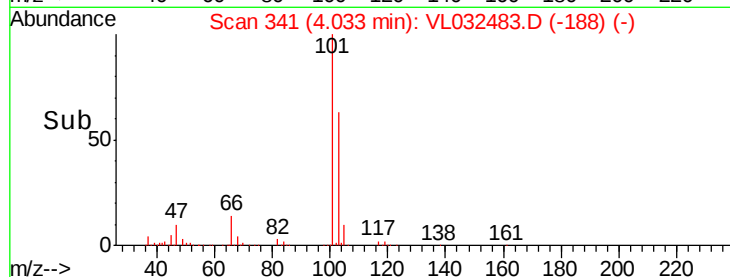
600000

400000

200000

0

Time--> 3.95 4.00 4.05 4.10



#12

1,1,2-Trichlorotrifluoroethane

Concen: 10.66 ppbv

RT: 4.59 min Scan# 513

Delta R.T. -0.01 min

Lab File: VL032483.D

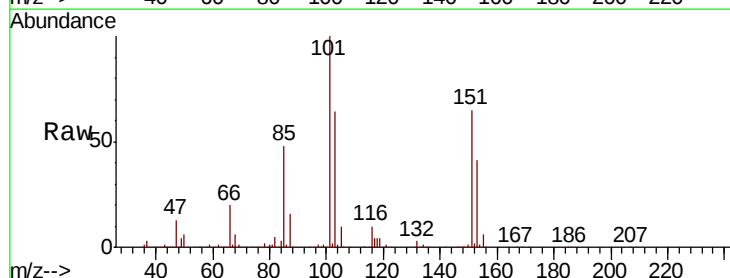
Acq: 10 Sep 2018 17:29

Tgt Ion:101 Resp: 1256502

Ion Ratio Lower Upper

101 100

151 65.5 52.6 78.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

4.59

800000

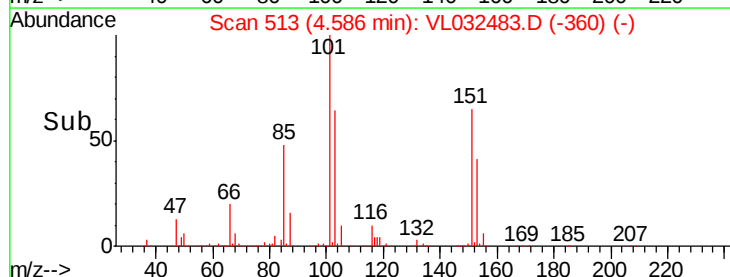
600000

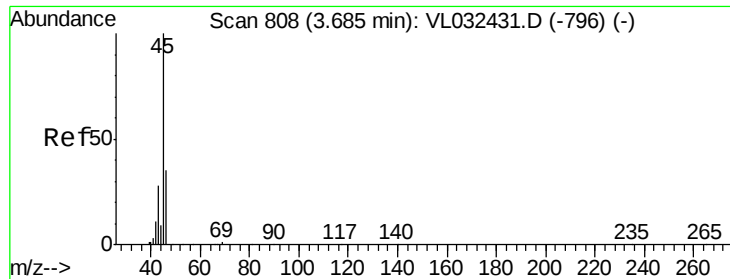
400000

200000

0

Time--> 4.50 4.55 4.60 4.65





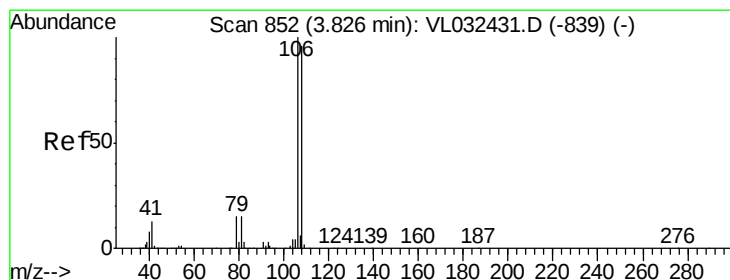
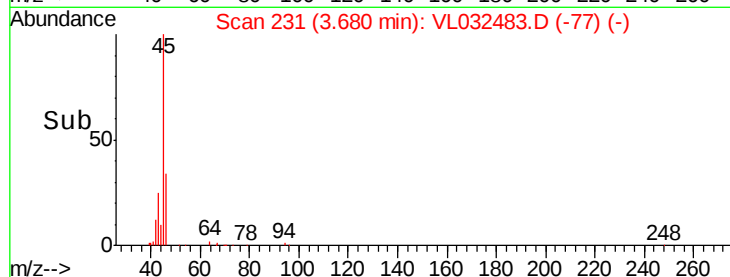
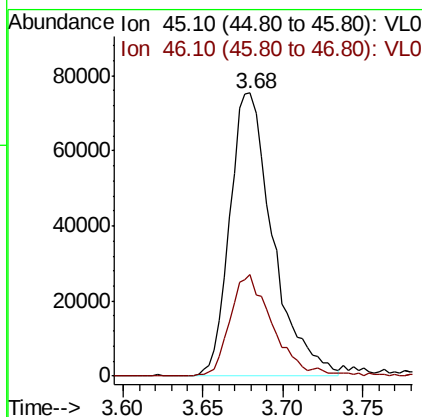
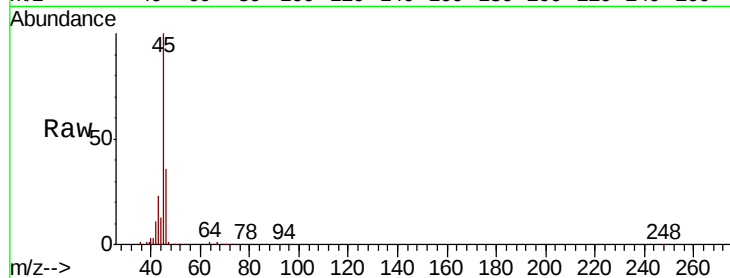
#13
Ethanol
Concen: 8.05 ppbv
RT: 3.68 min Scan# 231
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

Tot Ion	45	Resp	138087
Ion Ratio	100	Lower	Upper
45	100		
46	35.8	14.2	56.8

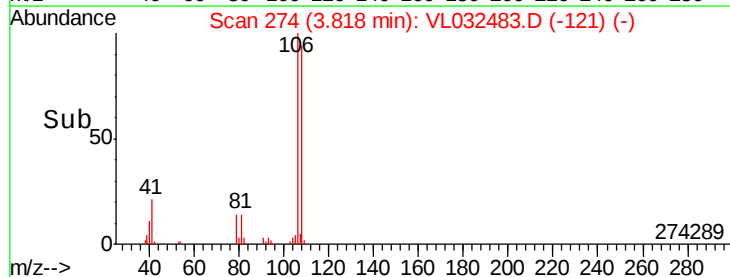
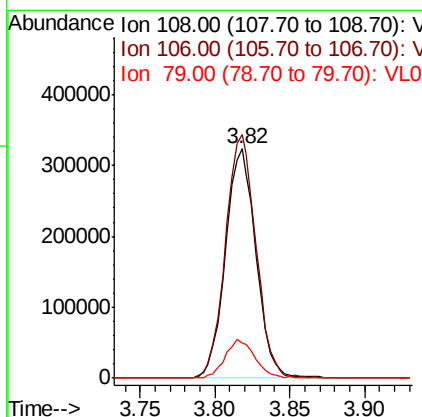
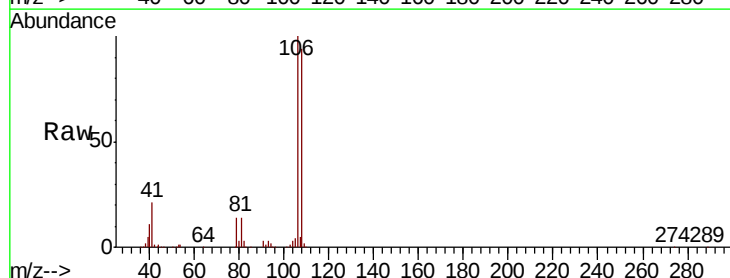
Manual Integrations
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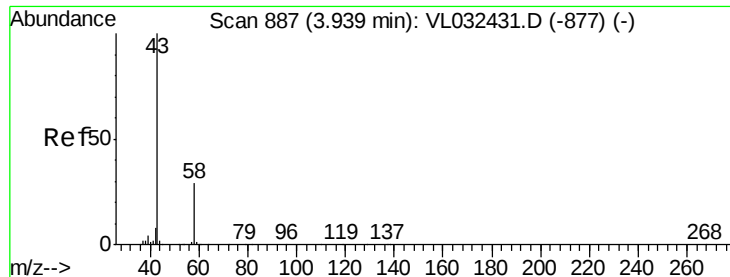
MMDadoda
9/12/2018 3:59:33 PM



#14
Bromoethene
Concen: 9.19 ppbv
RT: 3.82 min Scan# 274
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Tgt Ion	108	Resp	459115
Ion Ratio	100	Lower	Upper
108	100		
106	106.7	85.5	128.3
79	16.7	13.0	19.6





#15

Acetone

Concen: 8.58 ppbv

RT: 3.93 min Scan# 309

Delta R.T. -0.01 min

Lab File: VL032483.D

Acq: 10 Sep 2018 17:29

Instrument :

MSVOA_L

ClientSampleId :

VL0910ABS01

Tot Ion: 43 Resp: 1164904

Ion Ratio Lower Upper

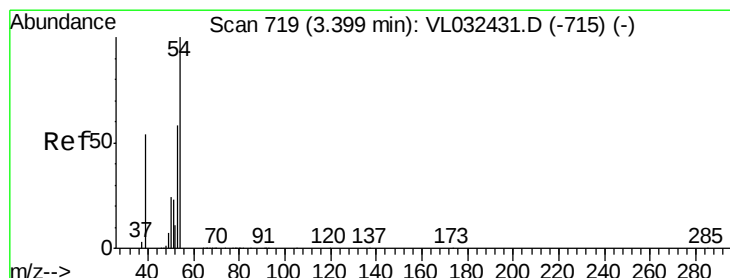
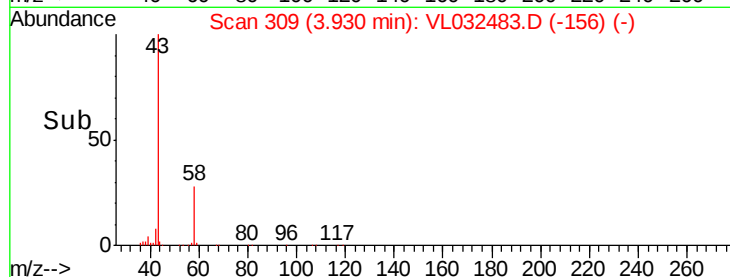
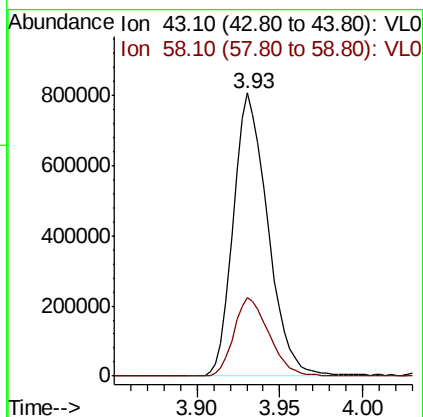
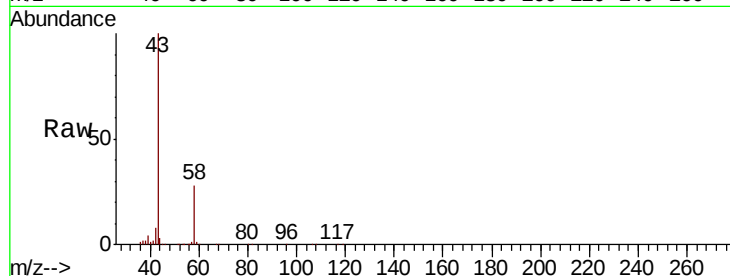
43 100

58 28.5 22.6 33.8

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#16

1,3-Butadiene

Concen: 8.58 ppbv

RT: 3.39 min Scan# 140

Delta R.T. -0.01 min

Lab File: VL032483.D

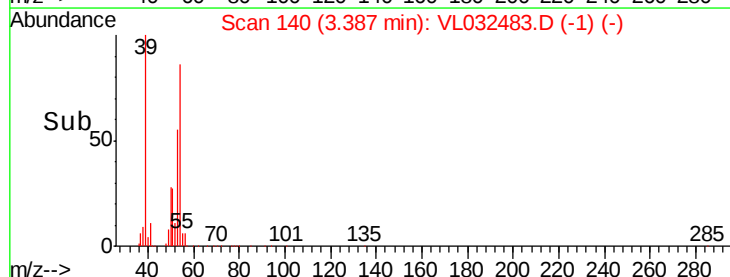
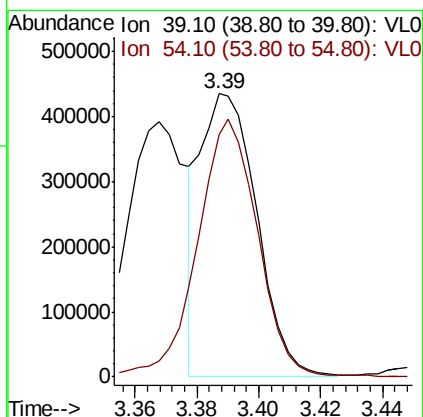
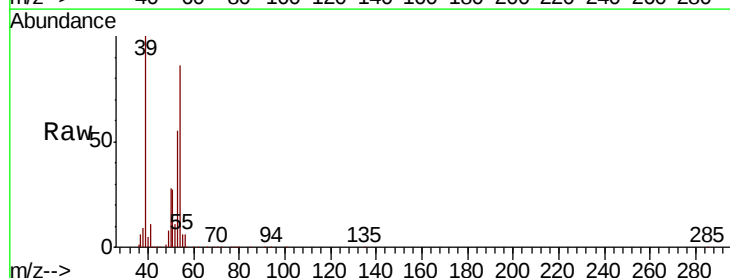
Acq: 10 Sep 2018 17:29

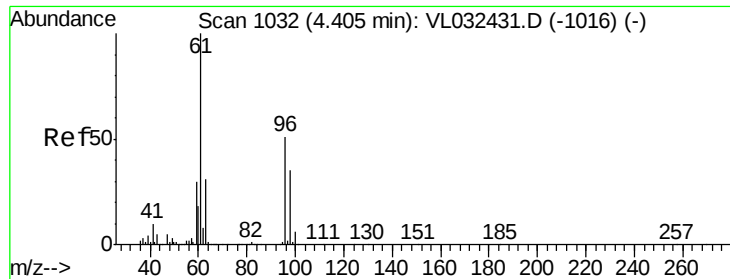
Tgt Ion: 39 Resp: 548492

Ion Ratio Lower Upper

39 100

54 98.2 80.8 121.2





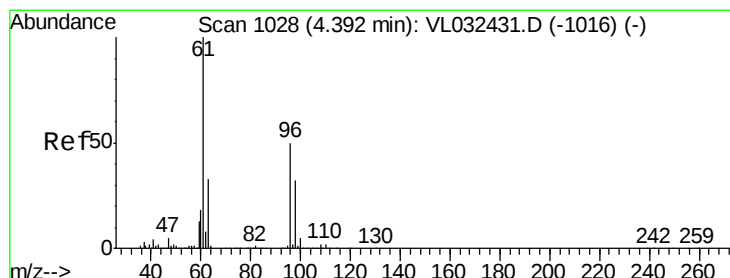
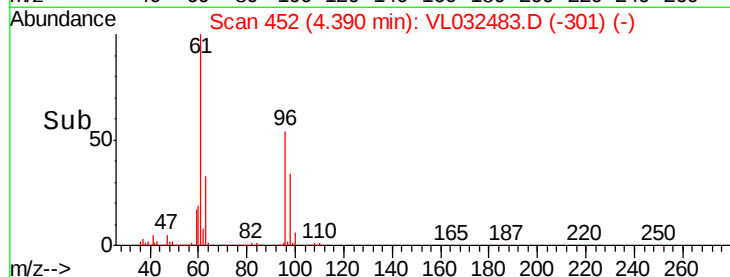
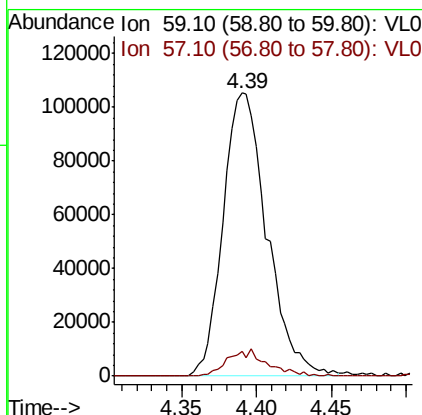
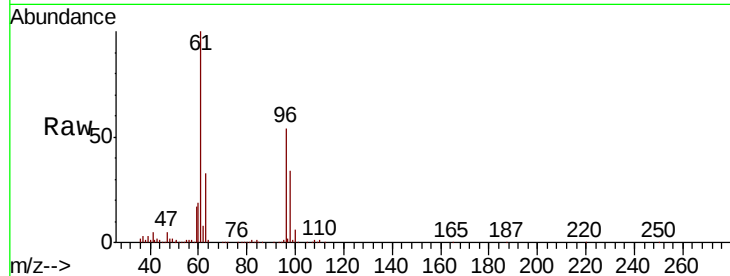
#17
 tert-Butyl alcohol
 Concen: 10.22 ppbv
 RT: 4.39 min Scan# 452
 Delta R.T. -0.01 min
 Lab File: VL032483.D
 Acq: 10 Sep 2018 17:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0910ABS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	213549		
57	8.6	0.0	0.0	0.0#

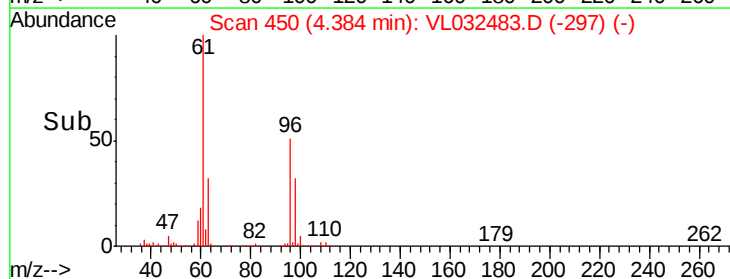
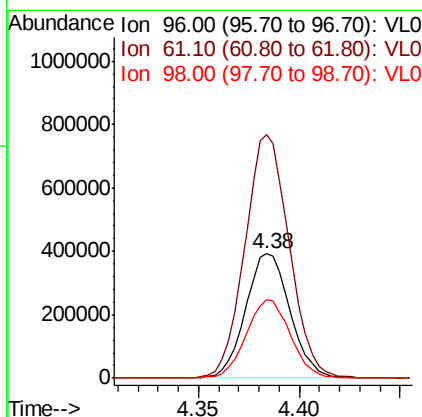
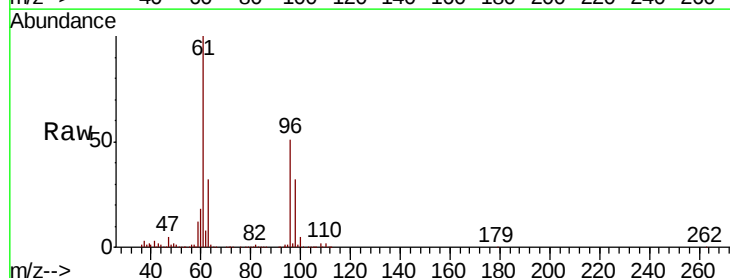
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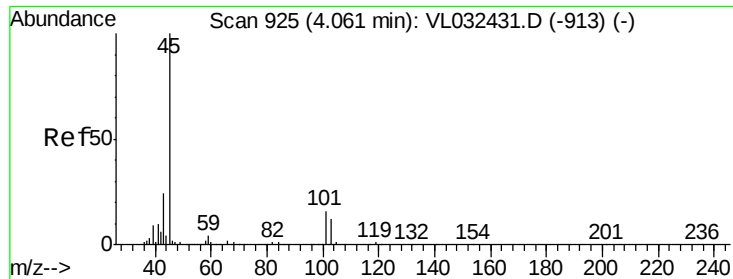
MMDadoda
 9/12/2018 3:59:33 PM



#18
 1,1-Dichloroethene
 Concen: 11.21 ppbv
 RT: 4.38 min Scan# 450
 Delta R.T. -0.01 min
 Lab File: VL032483.D
 Acq: 10 Sep 2018 17:29

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	603541		
61	195.4	159.2	238.8	
98	63.0	51.0	76.4	





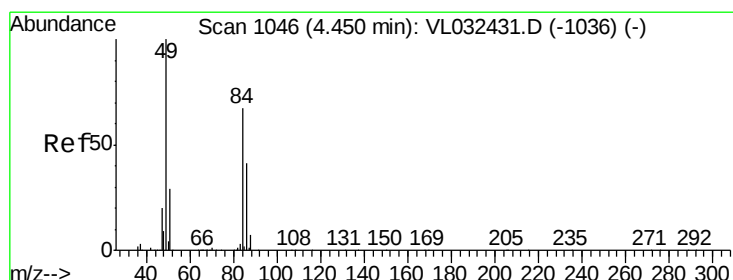
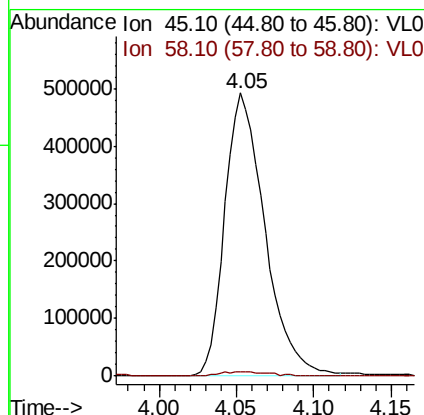
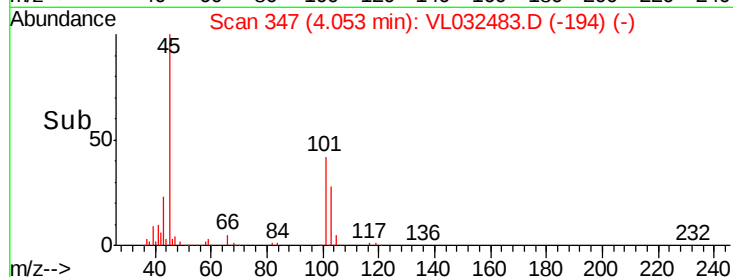
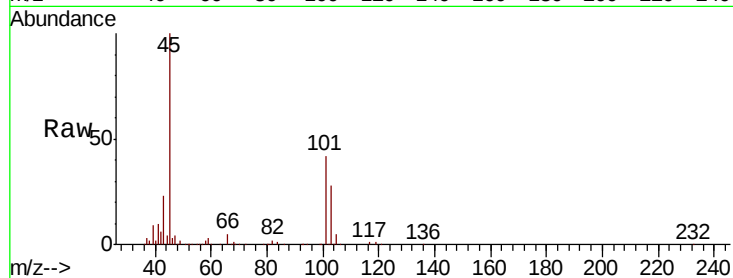
#19
Isopropyl Alcohol
Concen: 9.92 ppbv
RT: 4.05 min Scan# 347
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

Tot Ion: 45 Resp: 883789
Ion Ratio Lower Upper
45 100
58 1.9 2.0 3.0#

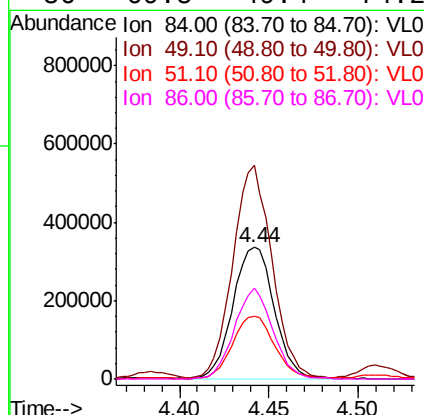
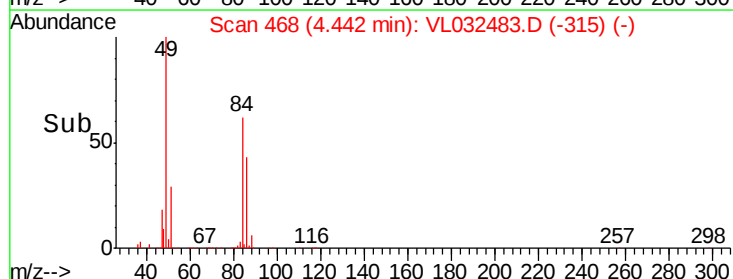
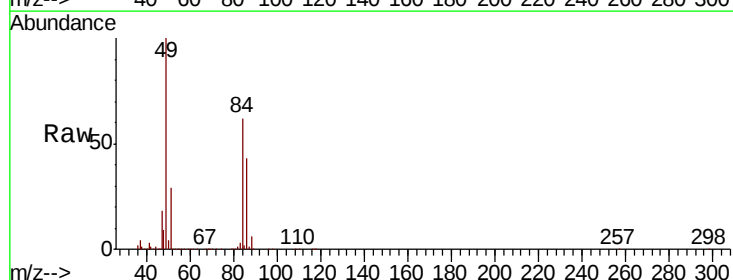
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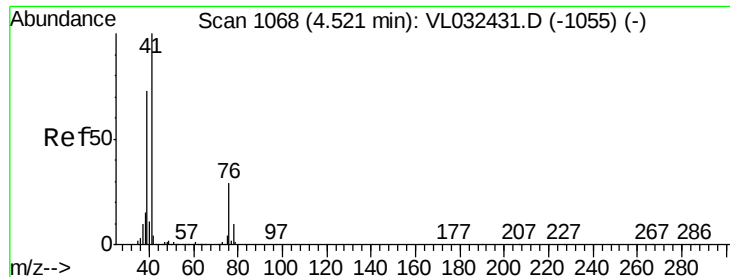
MMDadoda
9/12/2018 3:59:33 PM



#20
Methylene Chloride
Concen: 10.43 ppbv
RT: 4.44 min Scan# 468
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Tgt Ion: 84 Resp: 540278
Ion Ratio Lower Upper
84 100
49 161.8 119.1 178.7
51 47.4 35.2 52.8
86 69.5 49.4 74.2





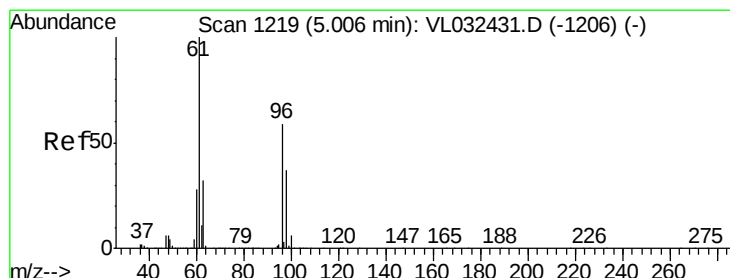
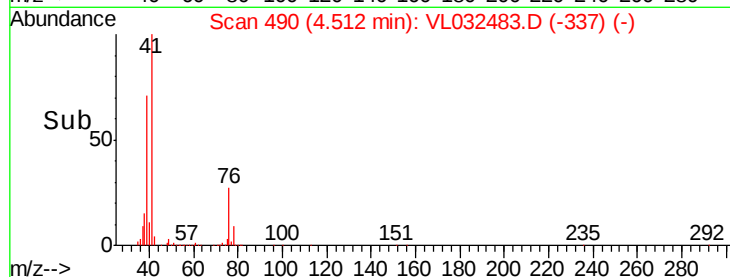
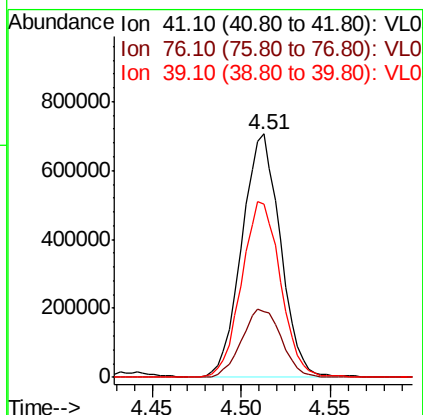
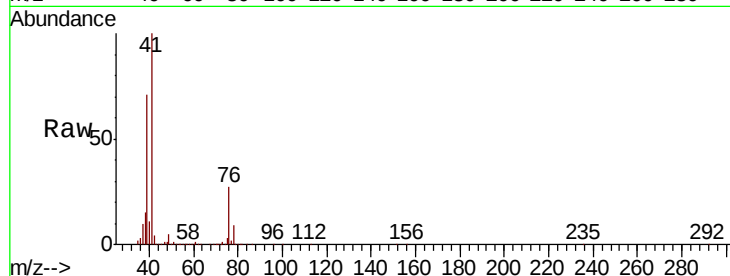
#21
Allvl Chloride
Concen: 11.77 ppbv
RT: 4.51 min Scan# 490
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

Tot Ion	Ratio	Lower	Upper
41	100		
76	29.1	23.6	35.4
39	73.1	57.7	86.5

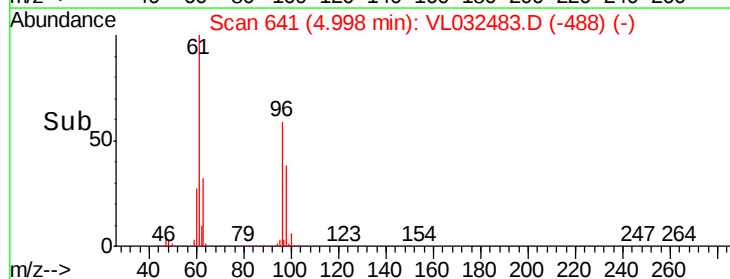
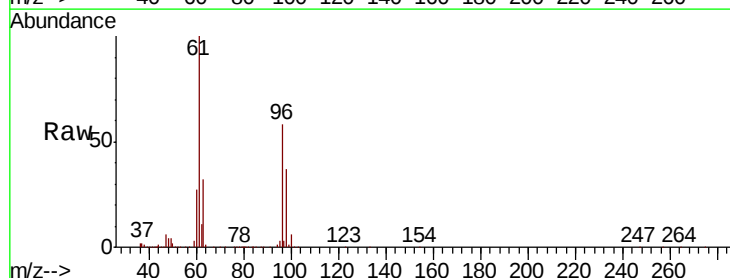
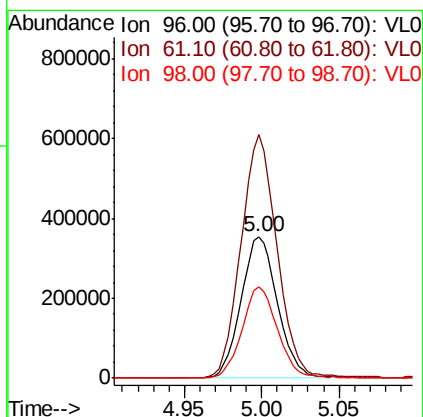
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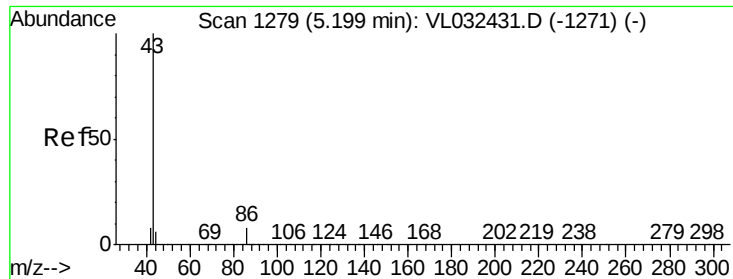
MMDadoda
9/12/2018 3:59:33 PM



#22
trans-1,2-Dichloroethene
Concen: 9.94 ppbv
RT: 5.00 min Scan# 641
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Tgt Ion	Ratio	Lower	Upper
96	100		
61	171.8	136.2	204.4
98	64.3	50.4	75.6





#23

Vinyl Acetate

Concen: 11.59 ppbv

RT: 5.19 min Scan# 701

Delta R.T. -0.01 min

Lab File: VL032483.D

Acq: 10 Sep 2018 17:29

Instrument :

MSVOA_L

ClientSampleId :

VL0910ABS01

Tot Ion: 43 Resp: 2608810

Ion Ratio Lower Upper

43 100

86 7.6 5.9 8.9

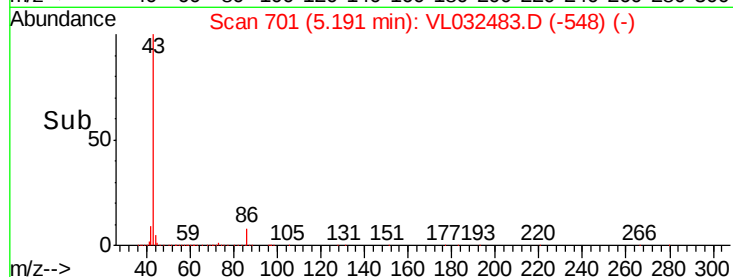
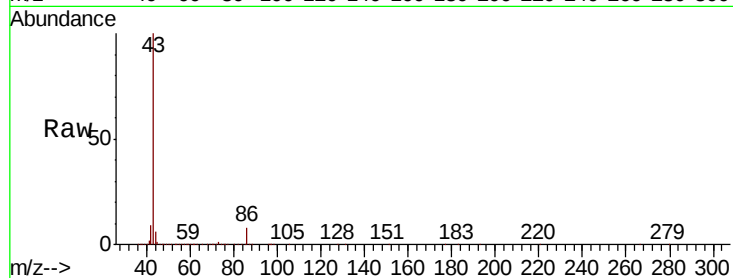
42 8.7 6.9 10.3

44 5.4 4.6 7.0

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9/12/2018 3:59:33 PM

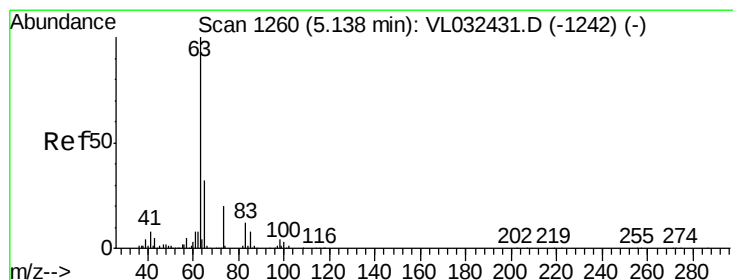
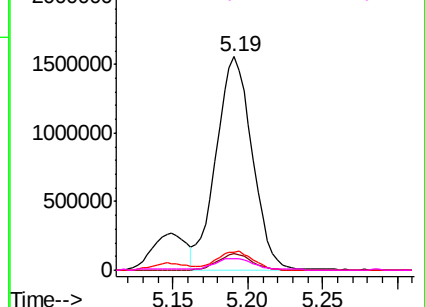


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 10.05 ppbv

RT: 5.13 min Scan# 681

Delta R.T. -0.01 min

Lab File: VL032483.D

Acq: 10 Sep 2018 17:29

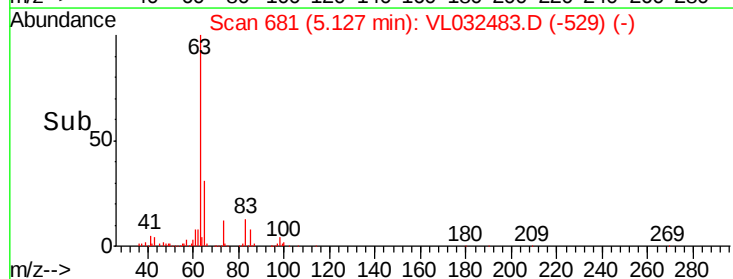
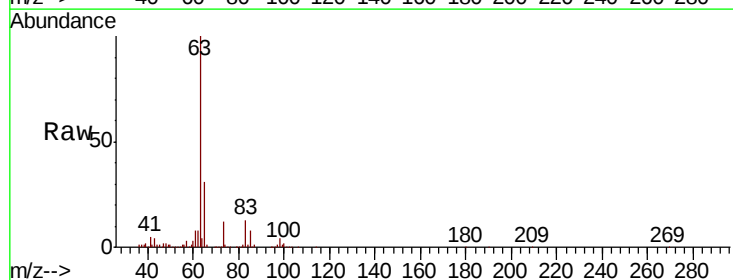
Tgt Ion: 63 Resp: 1864162

Ion Ratio Lower Upper

63 100

98 4.0 2.1 6.5

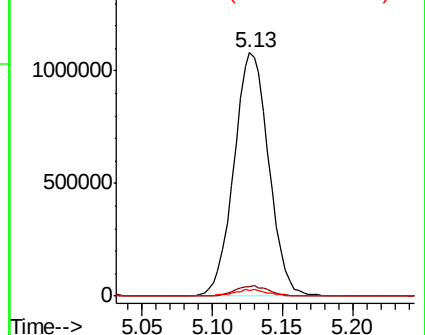
100 2.2 1.5 4.4

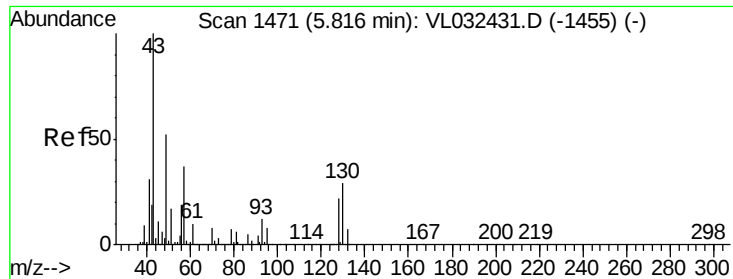


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





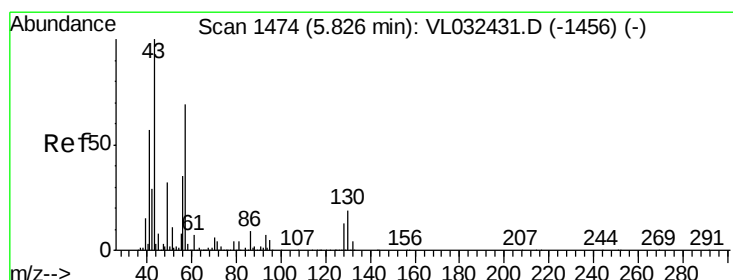
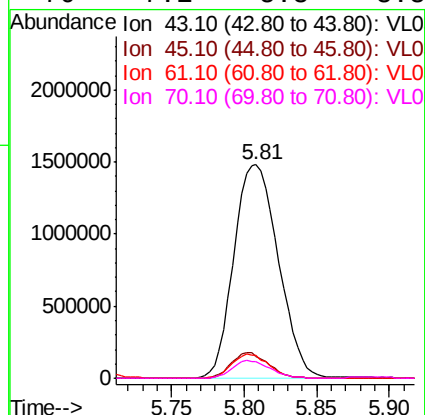
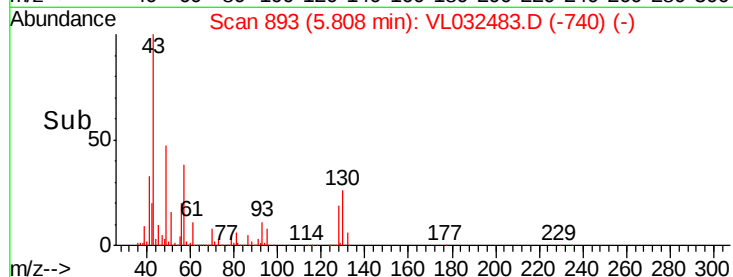
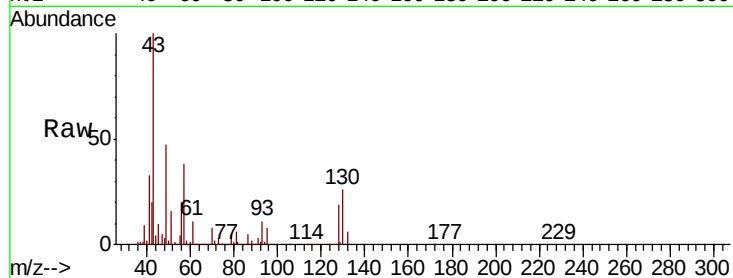
#25
Ethyl Acetate
Concen: 9.82 ppbv
RT: 5.81 min Scan# 893
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

Tot Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.0	12.0
61	9.3	7.6	11.4
70	7.1	5.8	8.8

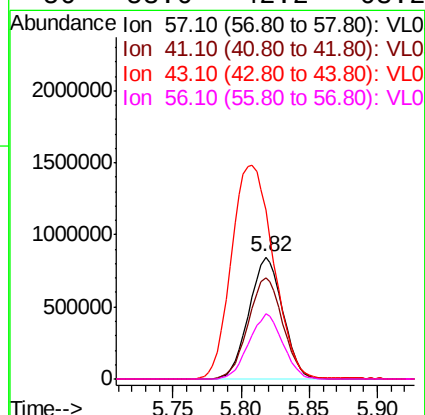
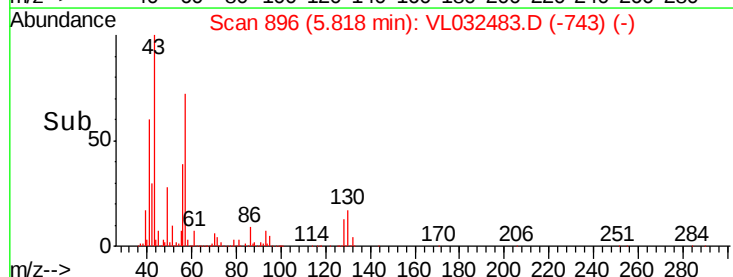
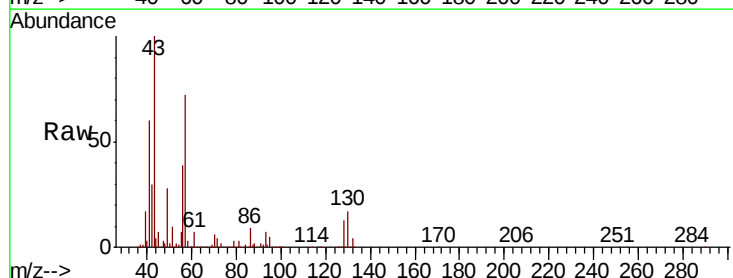
Manual Integrations
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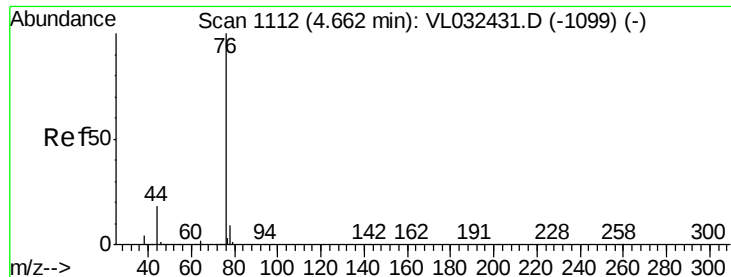
MMDadoda
9/12/2018 3:59:33 PM



#26
Hexane
Concen: 10.13 ppbv
RT: 5.82 min Scan# 896
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Tgt Ion	Ratio	Lower	Upper
57	100		
41	85.2	69.0	103.4
43	217.8	172.1	258.1
56	53.6	42.2	63.2





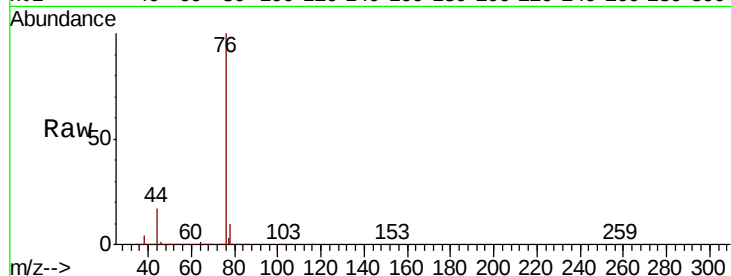
#27
Carbon Disulfide
Concen: 11.85 ppbv
RT: 4.65 min Scan# 534
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

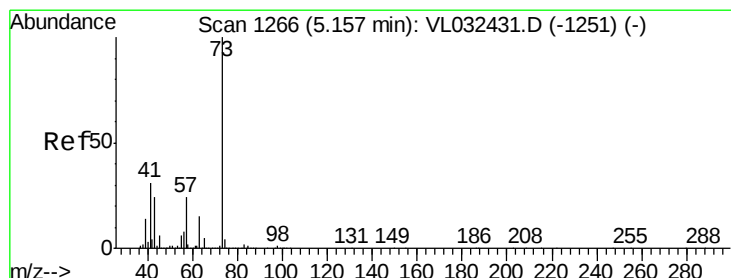
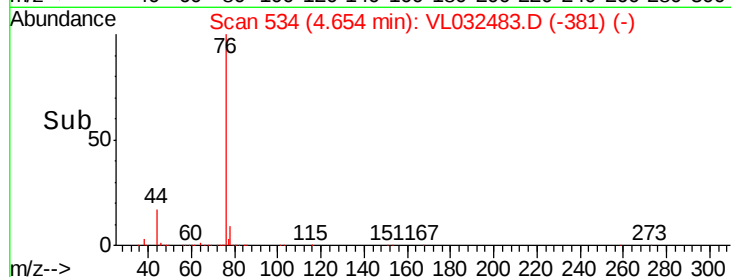
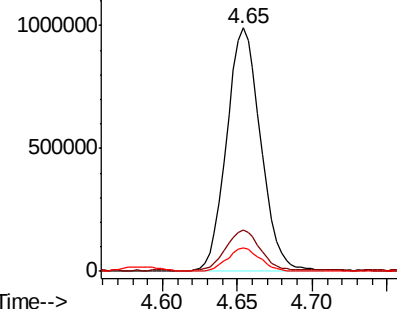
Tot Ion	Ratio	Lower	Upper
76	100		
44	16.7	14.0	21.0
78	9.4	7.5	11.3

Manual Integrations
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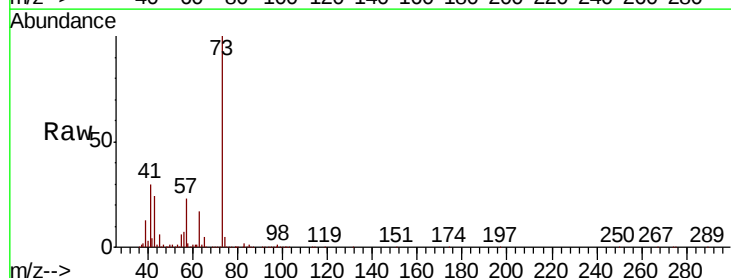


Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0

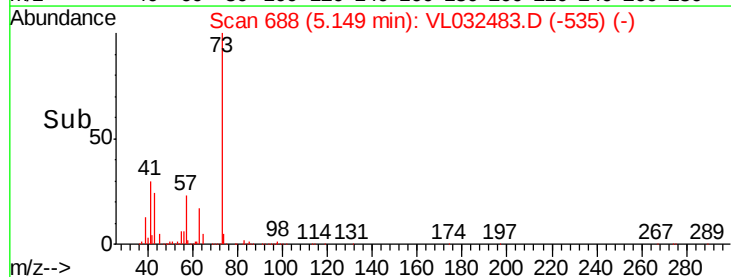
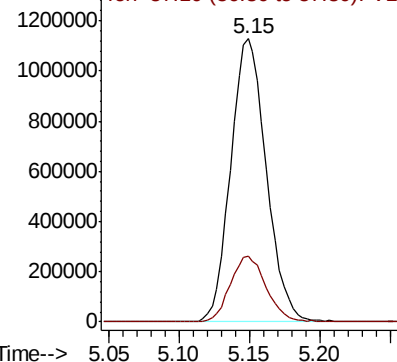


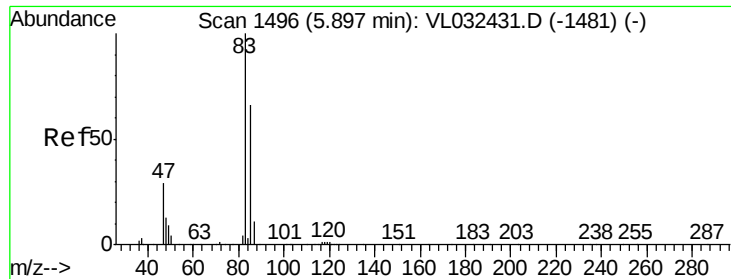
#28
Methyl tert-Butyl Ether
Concen: 11.32 ppbv
RT: 5.15 min Scan# 688
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Tgt Ion	Ratio	Lower	Upper
73	100		
57	23.6	19.3	28.9



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





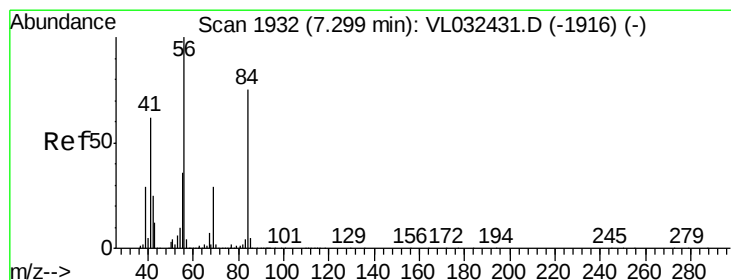
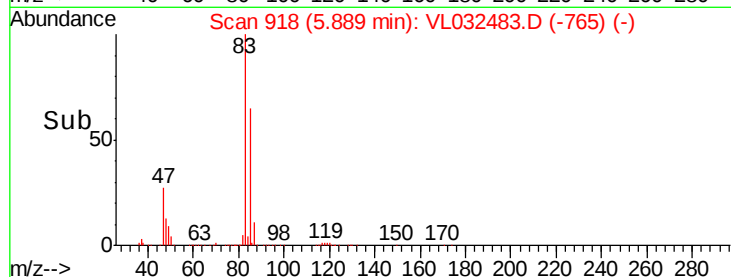
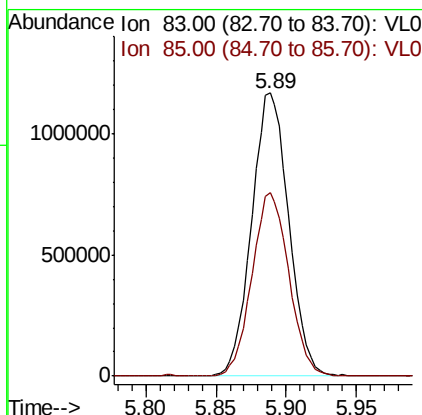
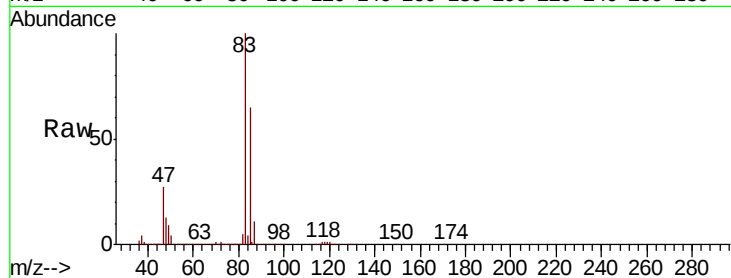
#29
Chloroform
Concen: 9.80 ppbv
RT: 5.89 min Scan# 918
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Instrument :
MSVOA_L
ClientSampled :
VL0910ABS01

Tot Ion: 83 Resp: 2146161
Ion Ratio Lower Upper
83 100
85 64.7 52.5 78.7

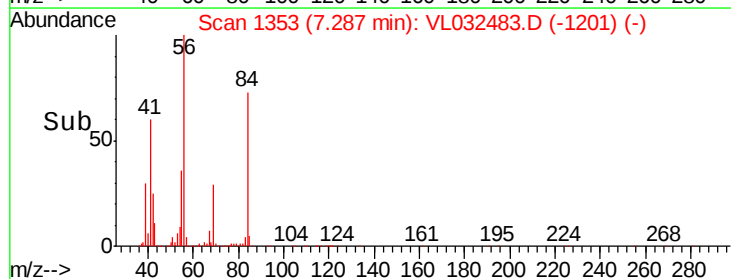
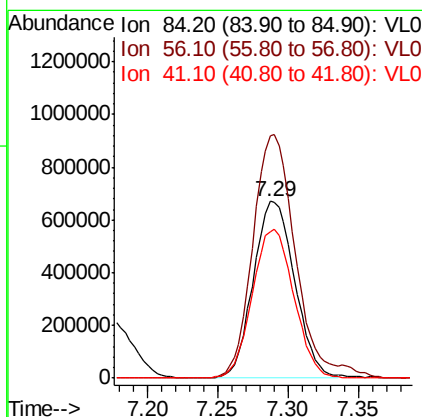
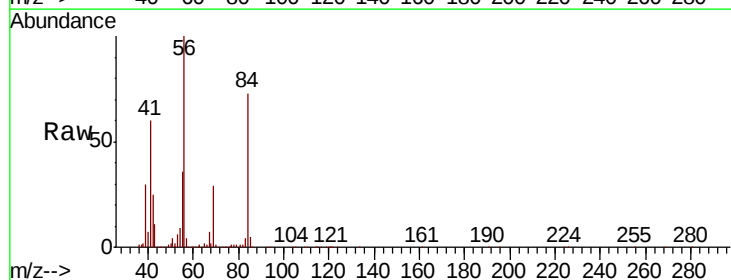
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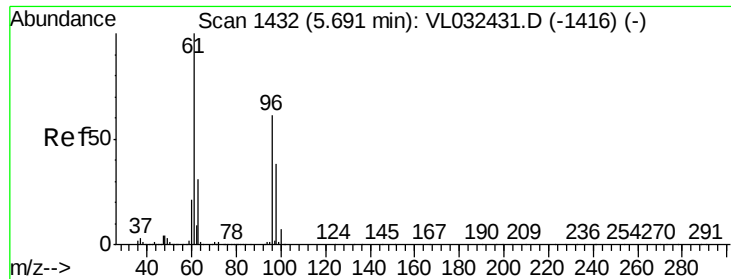
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#30
Cyclohexane
Concen: 13.05 ppbv
RT: 7.29 min Scan# 1353
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Tgt Ion: 84 Resp: 1371514
Ion Ratio Lower Upper
84 100
56 143.4 113.5 170.3
41 85.3 68.1 102.1





#31

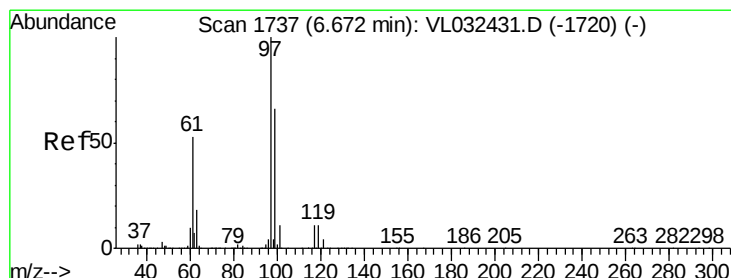
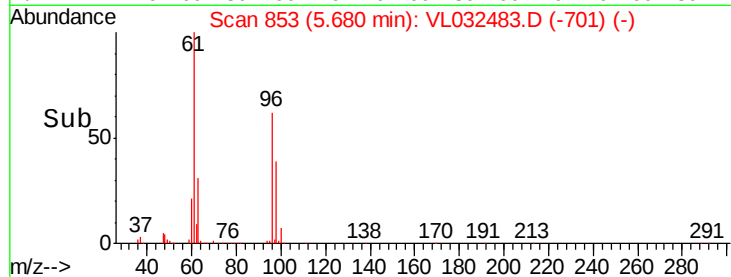
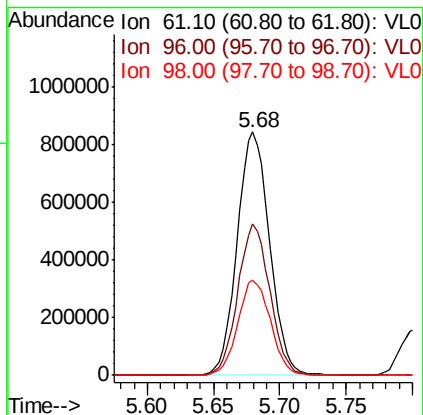
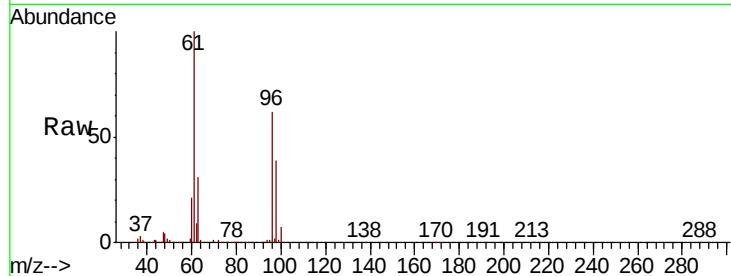
cis-1,2-Dichloroethene
Concen: 11.06 ppbv
RT: 5.68 min Scan# 853
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

Tot Ion	Ratio	Lower	Upper
61	100		
96	62.0	49.2	73.8
98	39.2	30.7	46.1

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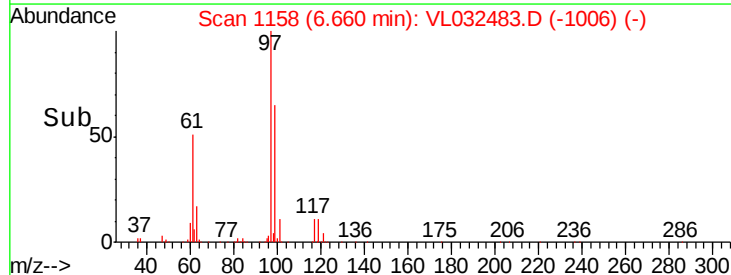
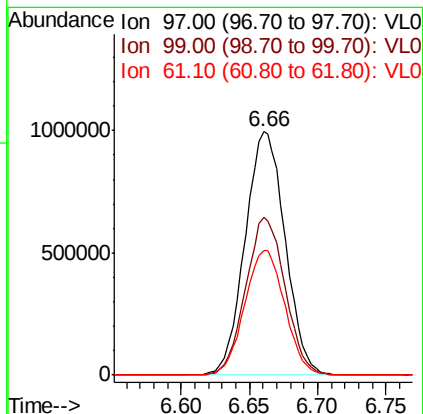
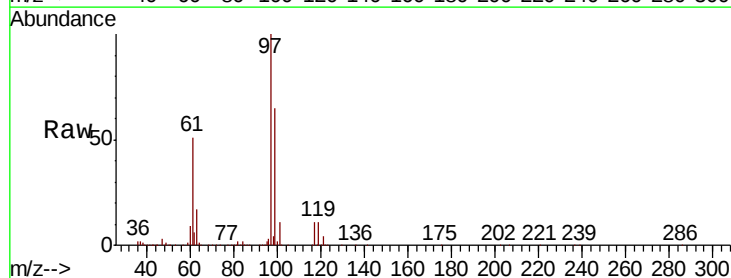
MMDadoda
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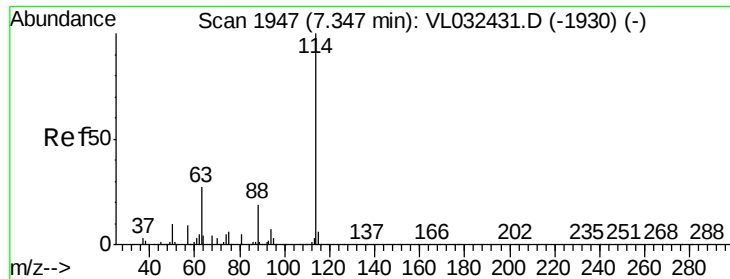


#32

1,1,1-Trichloroethane
Concen: 9.94 ppbv
RT: 6.66 min Scan# 1158
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	52.1	78.1
61	51.5	42.5	63.7





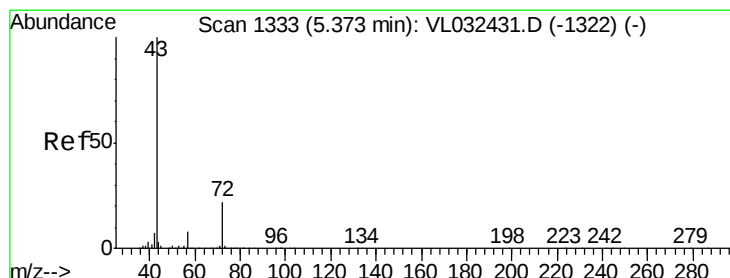
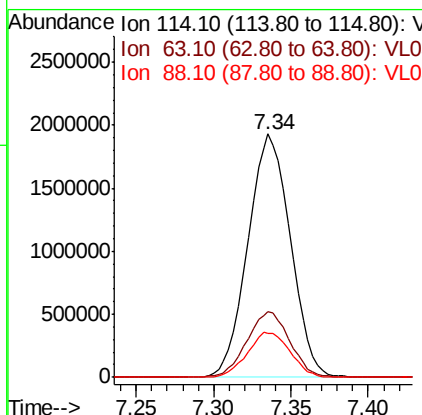
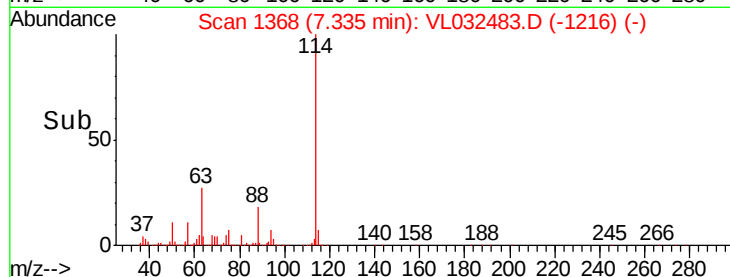
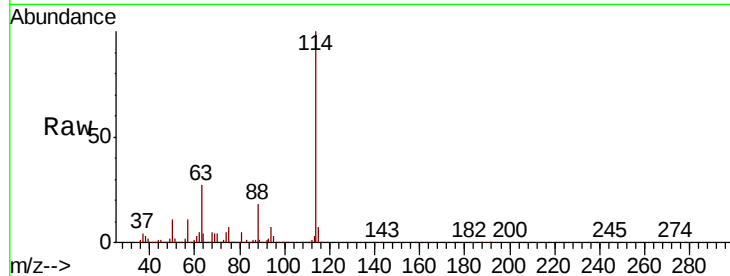
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.34 min Scan# 1368
 Delta R.T. -0.01 min
 Lab File: VL032483.D
 Acq: 10 Sep 2018 17:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0910ABS01

Tot Ion:114 Resp: 3692600
 Ion Ratio Lower Upper
 114 100
 63 27.6 22.2 33.4
 88 18.7 15.0 22.4

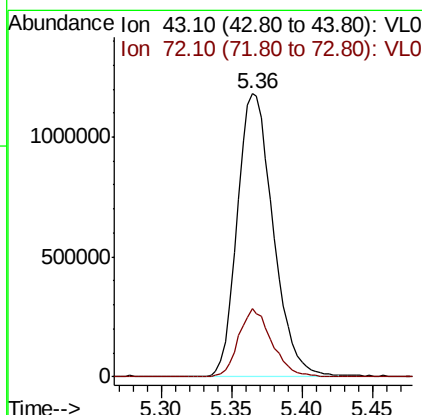
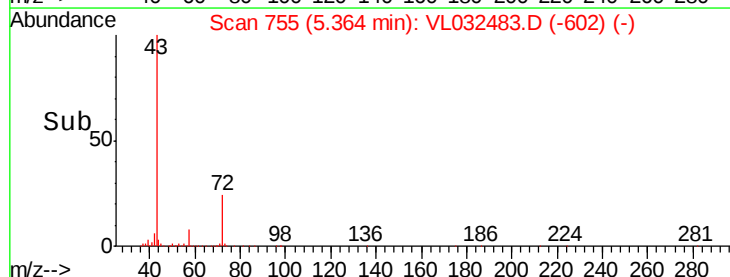
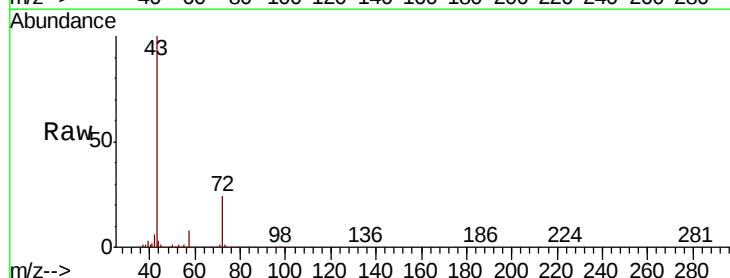
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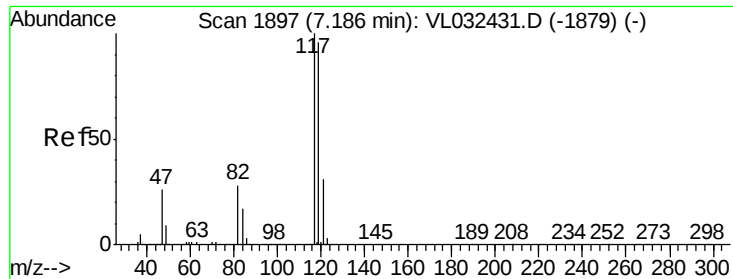
MMDadoda
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#34
 2-Butanone
 Concen: 8.56 ppbv
 RT: 5.36 min Scan# 755
 Delta R.T. -0.01 min
 Lab File: VL032483.D
 Acq: 10 Sep 2018 17:29

Tgt Ion: 43 Resp: 2100189
 Ion Ratio Lower Upper
 43 100
 72 22.3 17.8 26.6





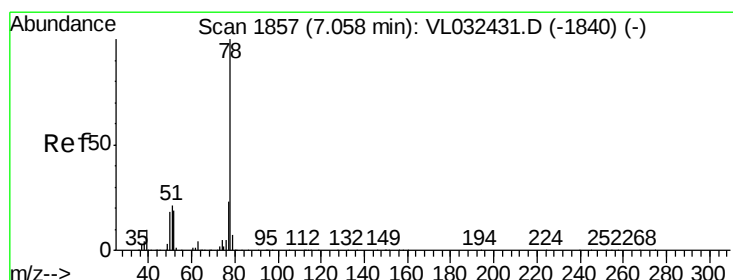
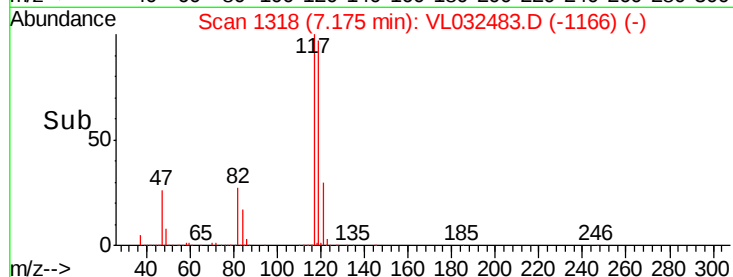
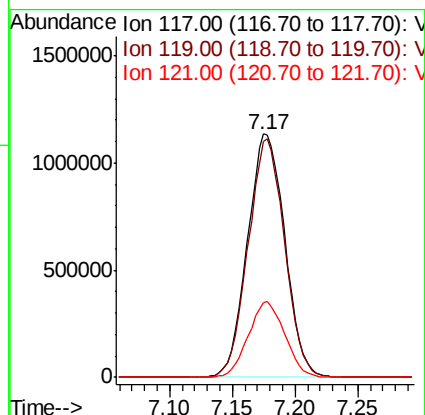
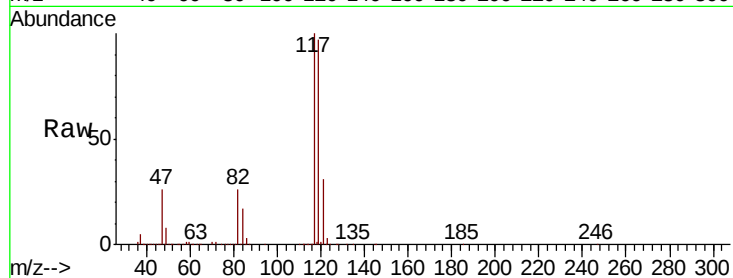
#35
Carbon Tetrachloride
Concen: 9.46 ppbv
RT: 7.17 min Scan# 1318
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

Tot Ion	Ratio	Lower	Upper
117	100		
119	96.7	76.6	115.0
121	30.7	24.6	36.8

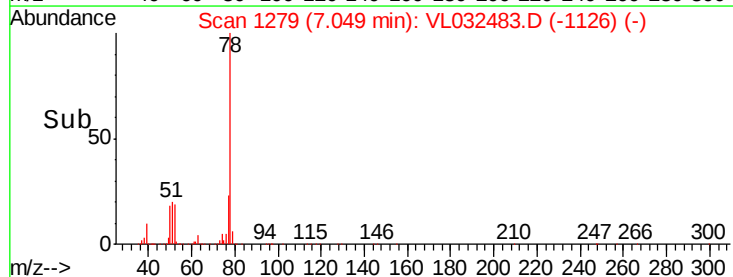
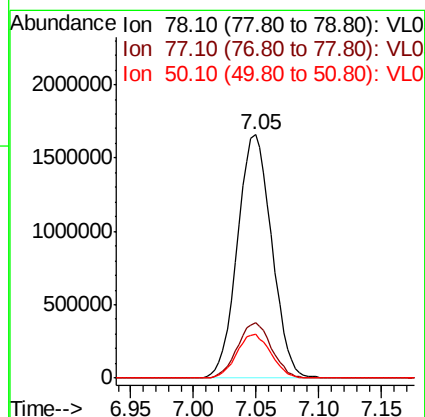
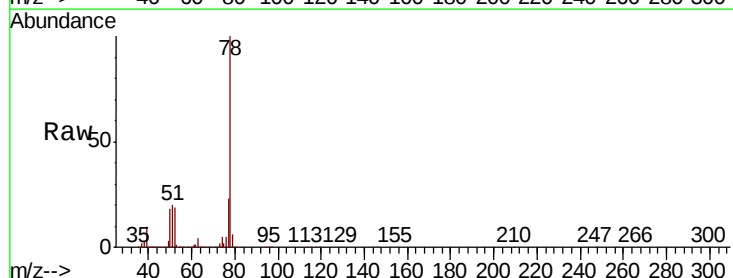
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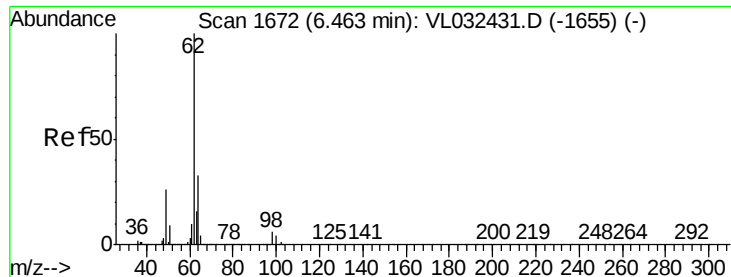
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#36
Benzene
Concen: 10.03 ppbv
RT: 7.05 min Scan# 1279
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.4	27.6
50	18.0	14.4	21.6





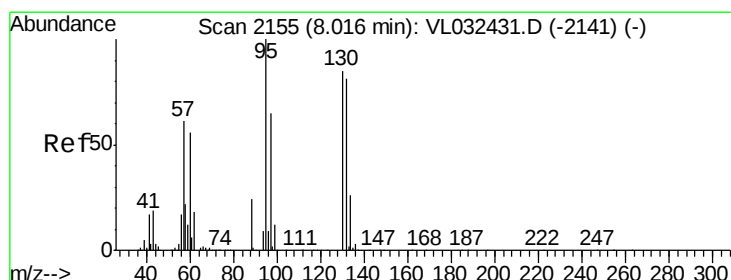
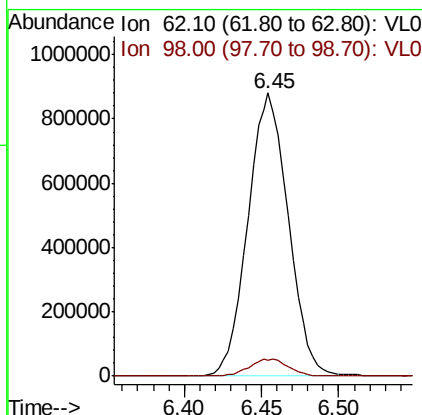
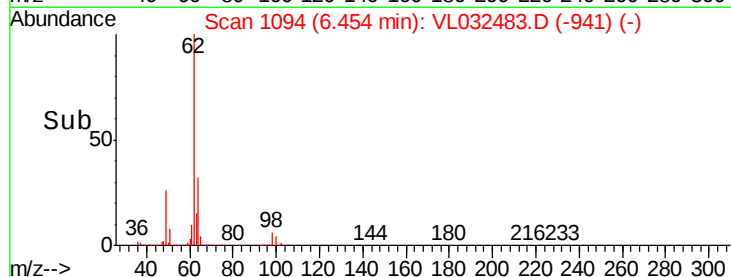
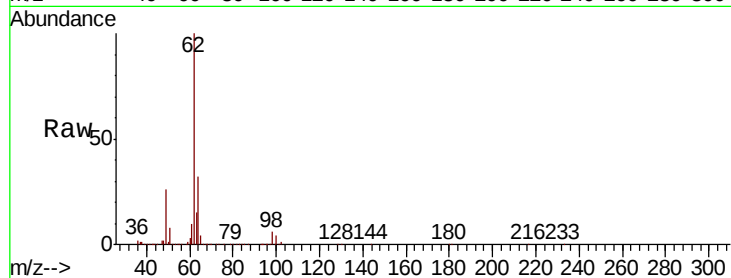
#37
 1,2-Dichloroethane
 Concen: 8.31 ppbv
 RT: 6.45 min Scan# 1094
 Delta R.T. -0.01 min
 Lab File: VL032483.D
 Acq: 10 Sep 2018 17:29

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0910ABS01

Tot Ion: 62 Resp: 1599540
 Ion Ratio Lower Upper
 62 100
 98 6.1 5.0 7.6

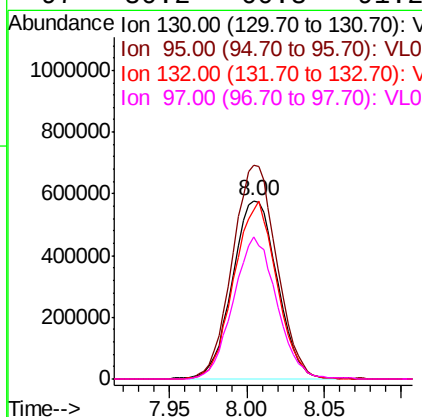
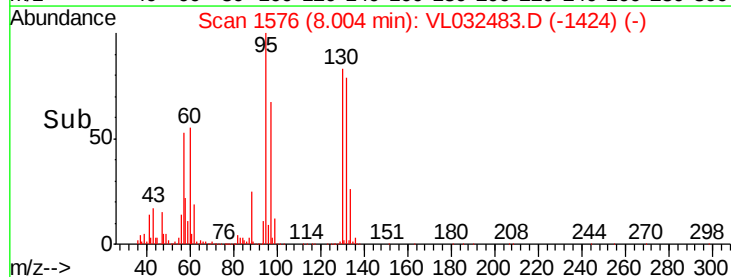
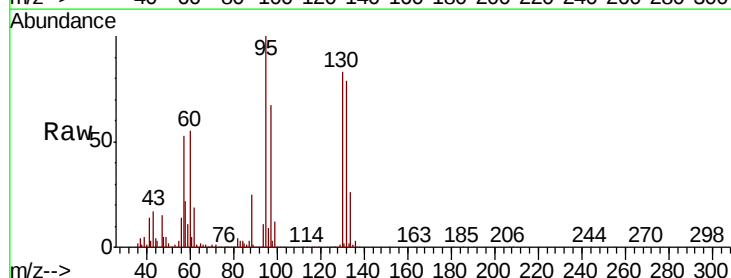
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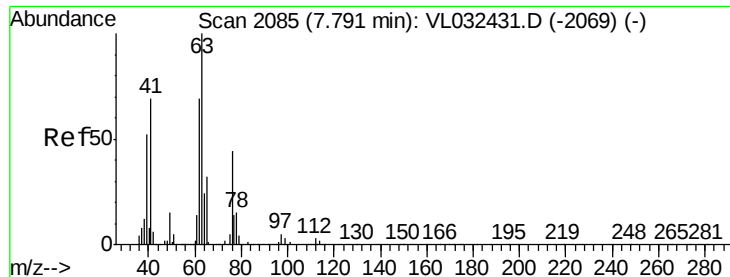
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#38
 Trichloroethene
 Concen: 9.65 ppbv
 RT: 8.00 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: VL032483.D
 Acq: 10 Sep 2018 17:29

Tgt Ion: 130 Resp: 1151851
 Ion Ratio Lower Upper
 130 100
 95 120.0 94.2 141.4
 132 95.0 76.2 114.4
 97 80.2 60.8 91.2





#39

1,2-Dichloropropane

Concen: 10.08 ppbv

RT: 7.78 min Scan# 1507

Delta R.T. -0.01 min

Lab File: VL032483.D

Acq: 10 Sep 2018 17:29

Instrument :

MSVOA_L

ClientSampleId :

VL0910ABS01

Tot Ion: 63 Resp: 1355505

Ion Ratio Lower Upper

63 100

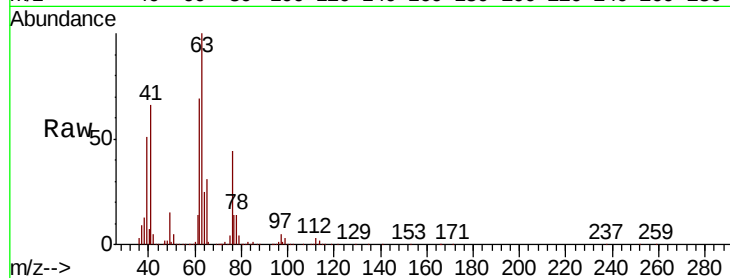
41 66.2 55.4 83.0

62 68.8 55.4 83.0

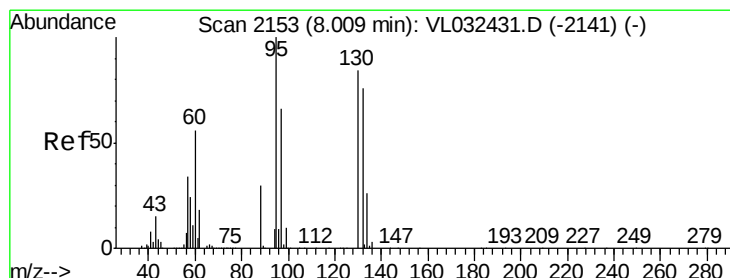
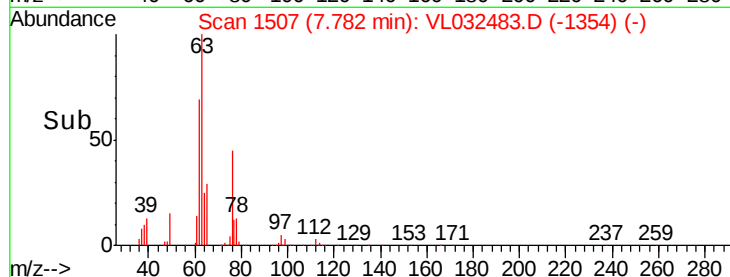
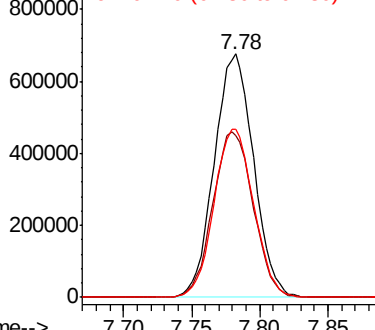
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Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 10.33 ppbv

RT: 8.00 min Scan# 1574

Delta R.T. -0.01 min

Lab File: VL032483.D

Acq: 10 Sep 2018 17:29

Tgt Ion: 88 Resp: 416592

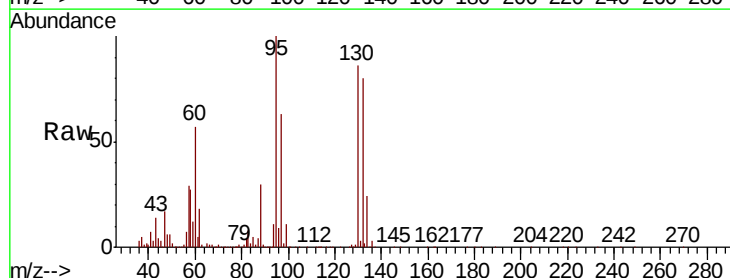
Ion Ratio Lower Upper

88 100

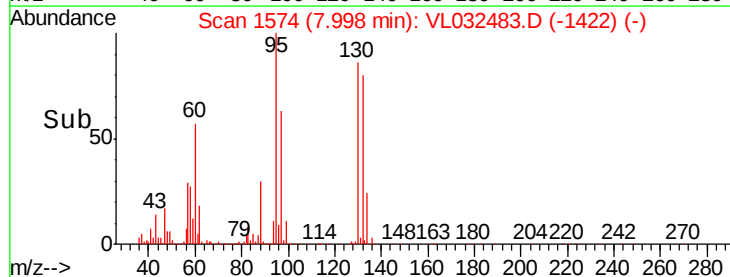
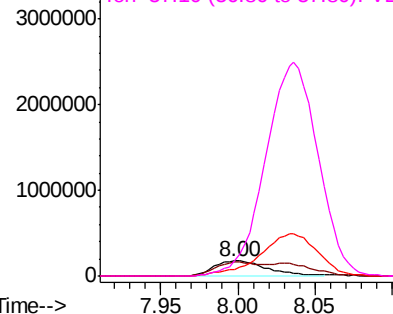
58 148.9 119.7 179.5

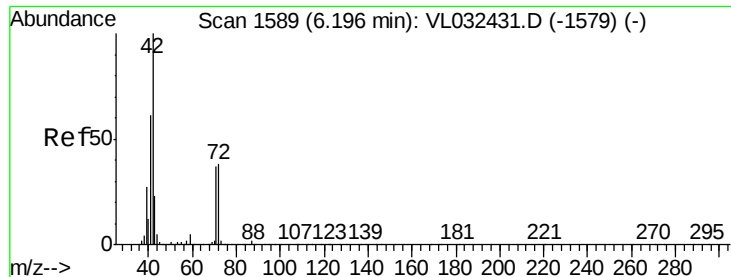
43 307.2 253.0 379.4

57 1415.5 1156.9 1735.3



Abundance Ion 88.10 (87.80 to 88.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 9.45 ppbv

RT: 6.19 min Scan# 1011

Delta R.T. -0.01 min

Lab File: VL032483.D

Acq: 10 Sep 2018 17:29

Instrument :

MSVOA_L

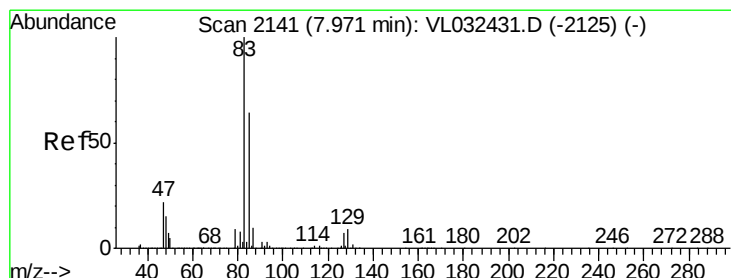
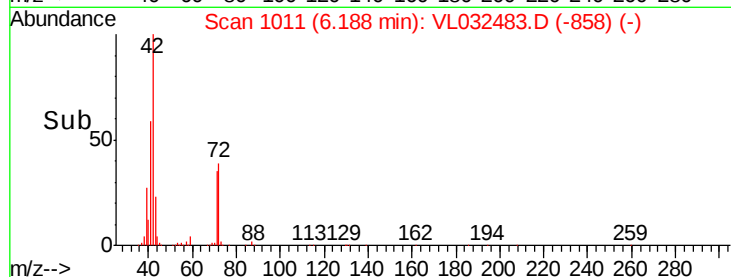
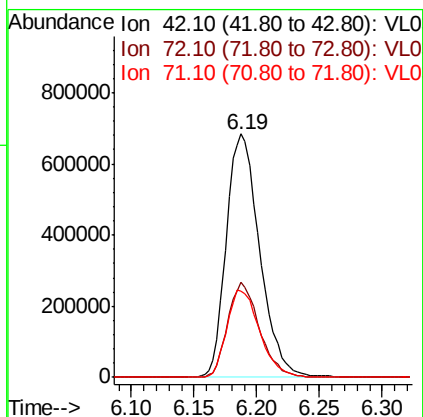
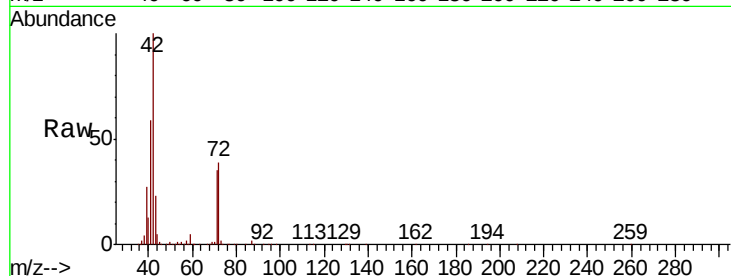
ClientSampleId :

VL0910ABS01

Tot Ion:	42	Resp:	1262446
Ion	Ratio	Lower	Upper
42	100		
72	37.3	29.5	44.3
71	35.5	28.3	42.5

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#42

Bromodichloromethane

Concen: 9.88 ppbv

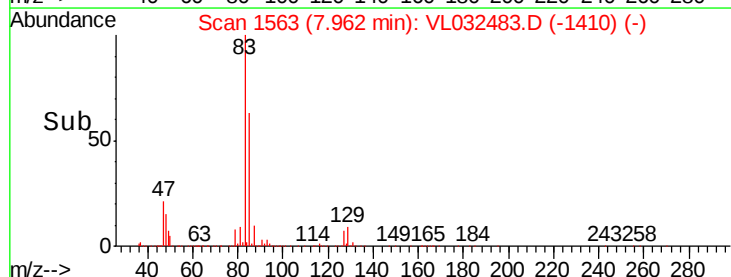
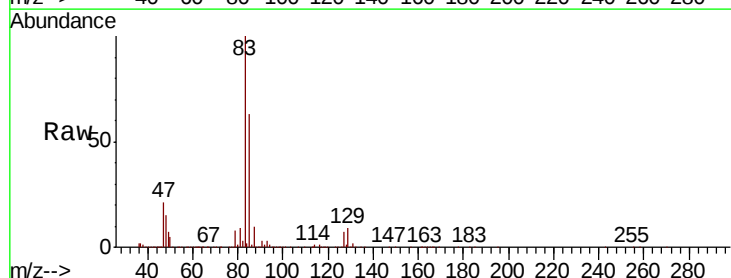
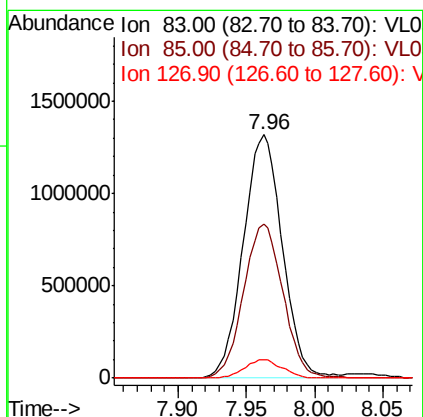
RT: 7.96 min Scan# 1563

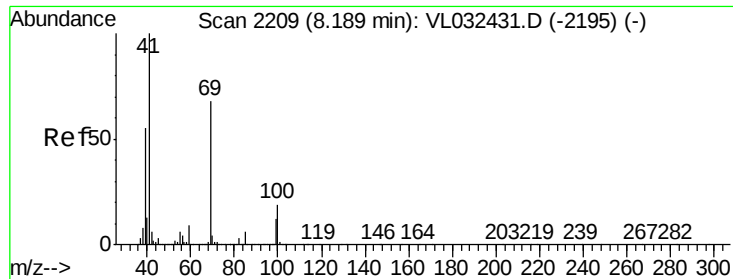
Delta R.T. -0.01 min

Lab File: VL032483.D

Acq: 10 Sep 2018 17:29

Tgt Ion:	83	Resp:	2624546
Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.1	76.7
127	7.4	5.8	8.8





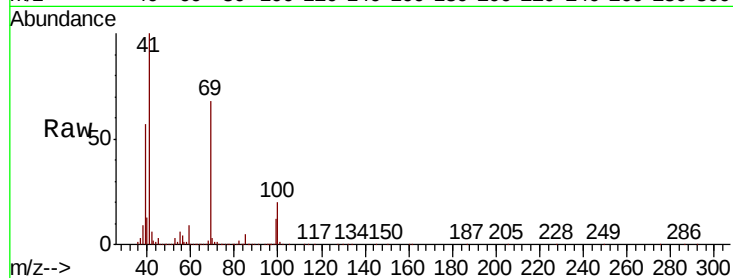
#43
Methvl Methacrilate
Concen: 10.54 ppbv
RT: 8.18 min Scan# 1631
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

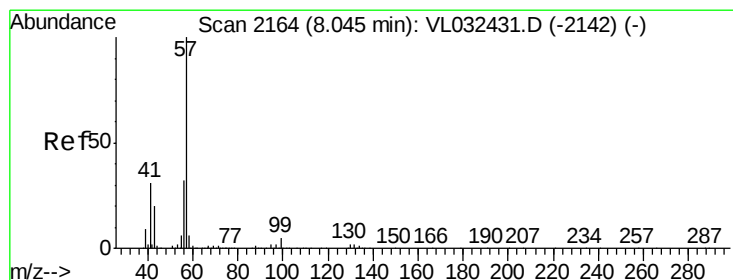
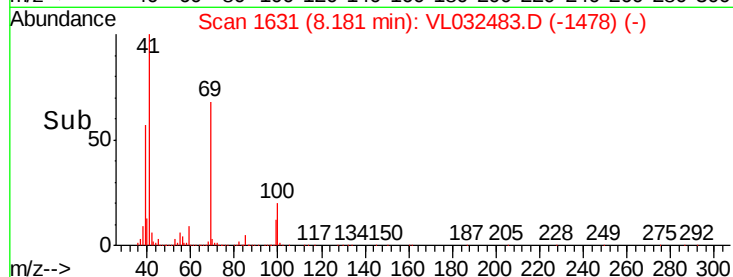
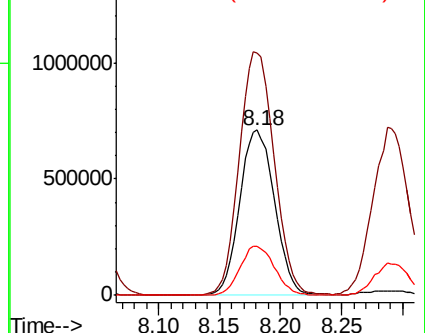
Tot Ion: 69 Resp: 1405593
Ion Ratio Lower Upper
69 100
41 147.2 117.1 175.7
100 29.4 23.4 35.2

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9/12/2018 3:59:33 PM

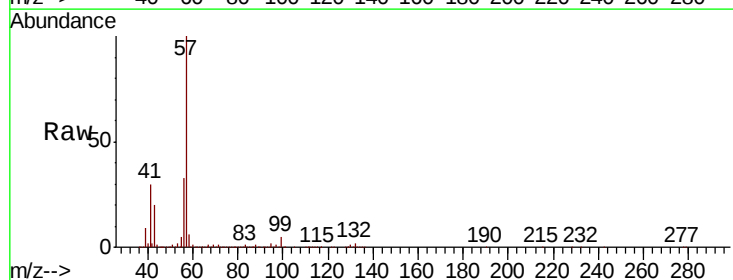


Abundance Ion 69.10 (68.80 to 69.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 100.10 (99.80 to 100.80): VL0

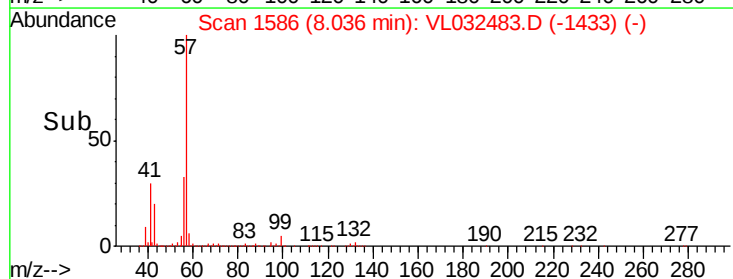
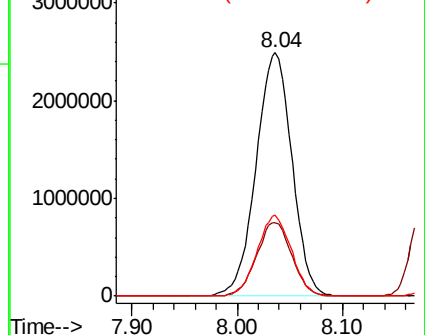


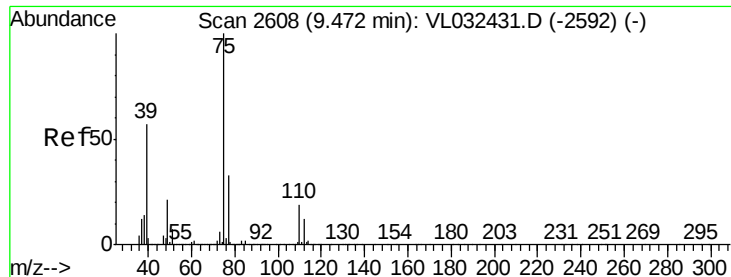
#44
2,2,4-Trimethylpentane
Concen: 9.70 ppbv
RT: 8.04 min Scan# 1586
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Tgt Ion: 57 Resp: 5890305
Ion Ratio Lower Upper
57 100
41 29.9 24.4 36.6
56 31.9 25.7 38.5



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





#45

t-1,3-Dichloropropene

Concen: 12.45 ppbv

RT: 9.46 min Scan# 2029

Delta R.T. -0.01 min

Lab File: VL032483.D

Acq: 10 Sep 2018 17:29

Instrument :

MSVOA_L

ClientSampleId :

VL0910ABS01

Tot Ion: 75 Resp: 1776023

Ion Ratio Lower Upper

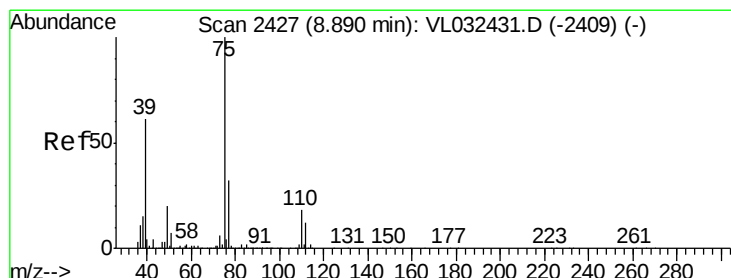
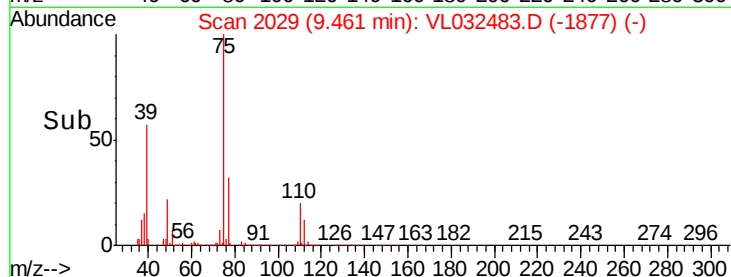
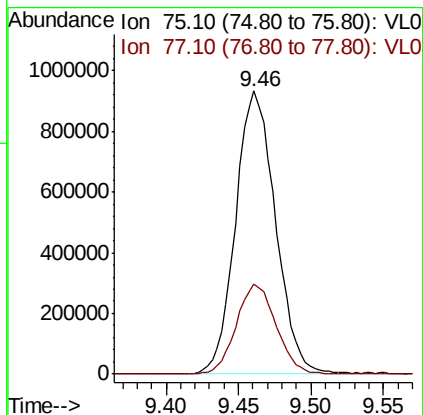
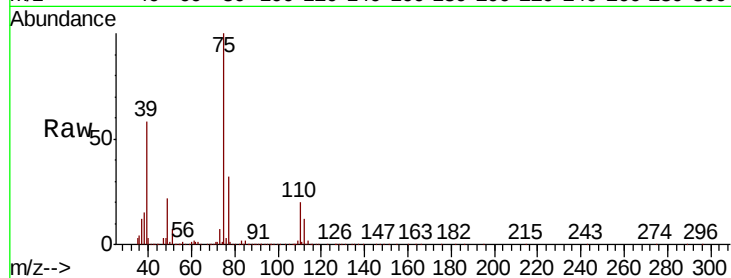
75 100

77 32.0 26.2 39.2

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#46

cis-1,3-Dichloropropene

Concen: 11.14 ppbv

RT: 8.88 min Scan# 1849

Delta R.T. -0.01 min

Lab File: VL032483.D

Acq: 10 Sep 2018 17:29

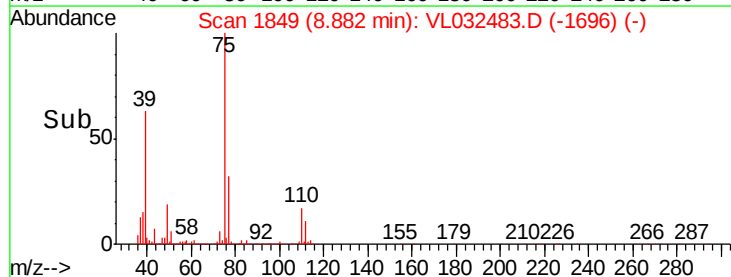
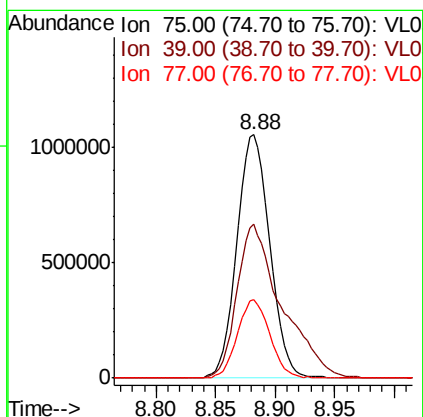
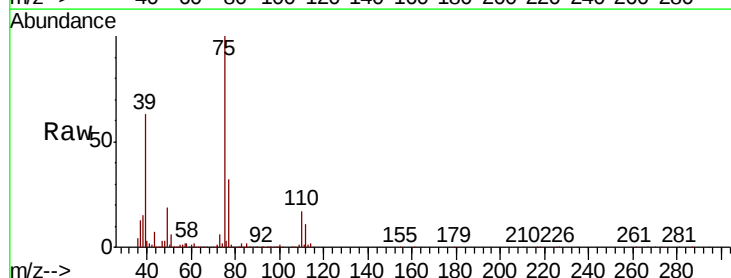
Tgt Ion: 75 Resp: 2030110

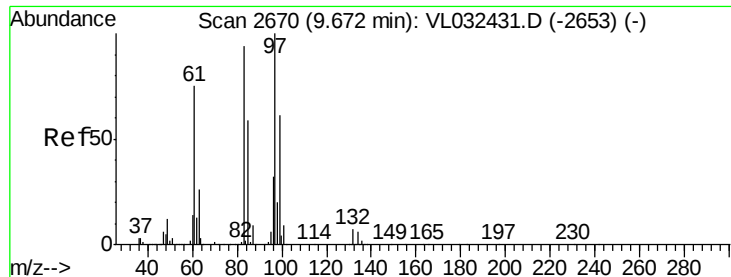
Ion Ratio Lower Upper

75 100

39 63.0 48.9 73.3

77 32.4 25.4 38.0





#47

1,1,2-Trichloroethane

Concen: 9.70 ppbv

RT: 9.66 min Scan# 2091

Delta R.T. -0.01 min

Lab File: VL032483.D

Acq: 10 Sep 2018 17:29

Instrument :

MSVOA_L

ClientSampleId :

VL0910ABS01

Tot Ion: 97 Resp: 1386803

Ion Ratio Lower Upper

97 100

83 93.1 75.0 112.4

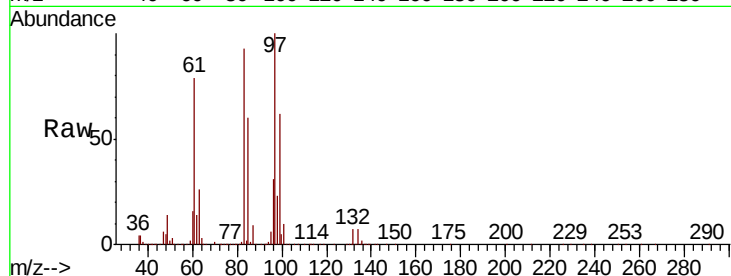
85 59.4 47.5 71.3

99 61.8 49.0 73.6

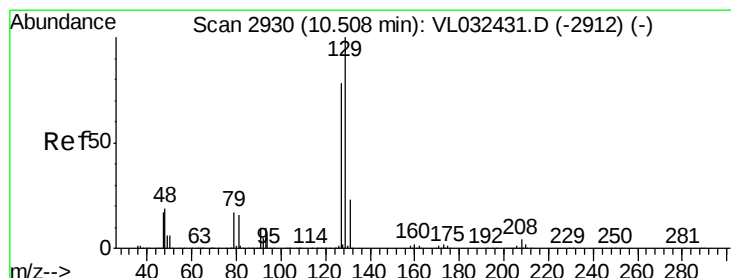
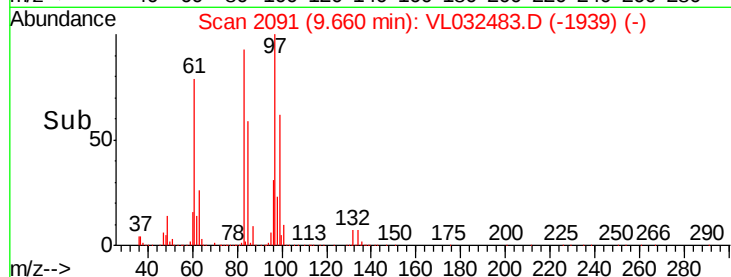
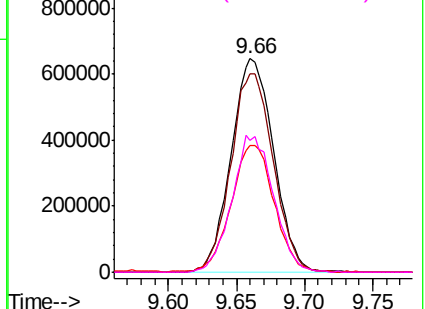
Manual Integrations
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Abundance Ion 97.00 (96.70 to 97.70): VL0
1000000 Ion 83.00 (82.70 to 83.70): VL0
800000 Ion 85.00 (84.70 to 85.70): VL0
600000 Ion 99.00 (98.70 to 99.70): VL0
400000
200000
0



#48

Dibromochloromethane

Concen: 11.40 ppbv

RT: 10.50 min Scan# 2353

Delta R.T. -0.01 min

Lab File: VL032483.D

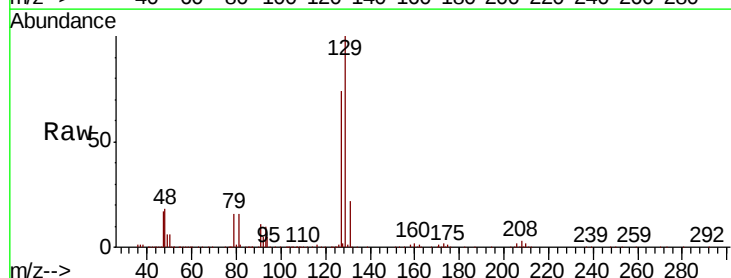
Acq: 10 Sep 2018 17:29

Tgt Ion: 129 Resp: 2256181

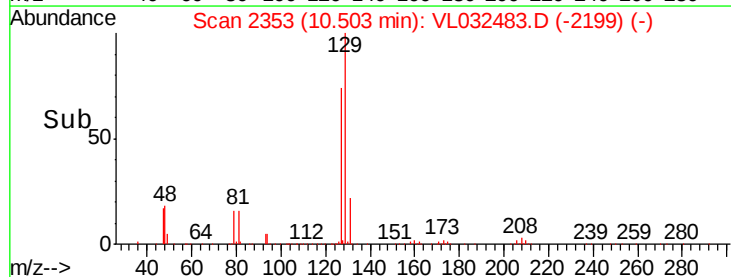
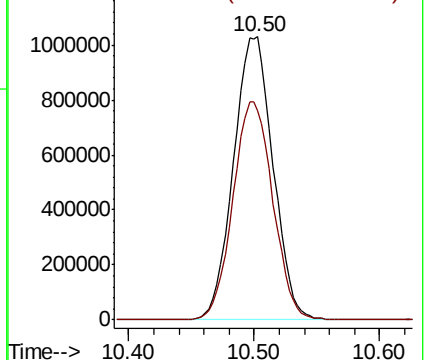
Ion Ratio Lower Upper

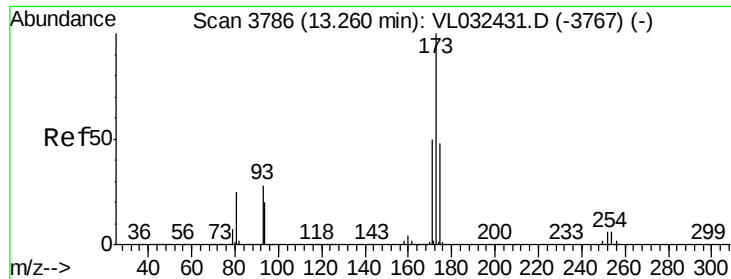
129 100

127 78.0 39.5 118.3



Abundance Ion 129.00 (128.70 to 129.70): V
1200000 Ion 127.00 (126.70 to 127.70): V
1000000
800000
600000
400000
200000
0





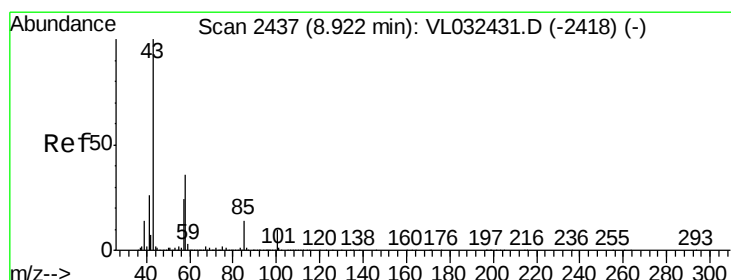
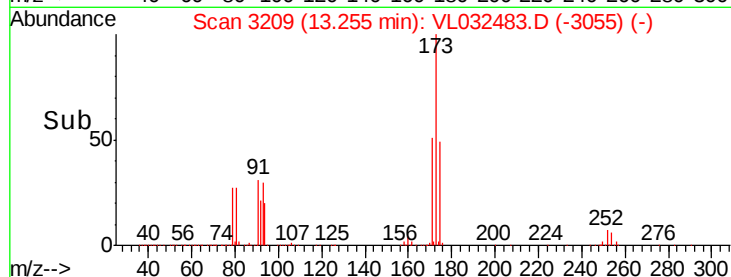
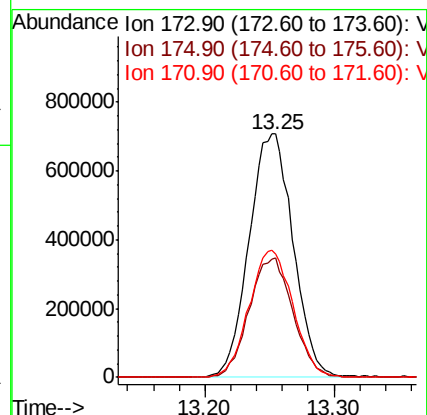
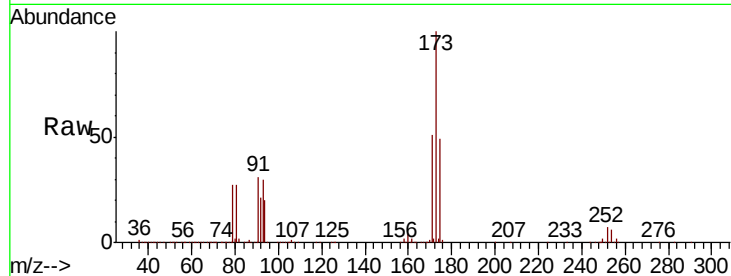
#49
Bromoform
Concen: 9.77 ppbv
RT: 13.25 min Scan# 3209
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

Tot Ion:173 Resp: 1681000
Ion Ratio Lower Upper
173 100
175 49.0 38.9 58.3
171 52.3 41.6 62.4

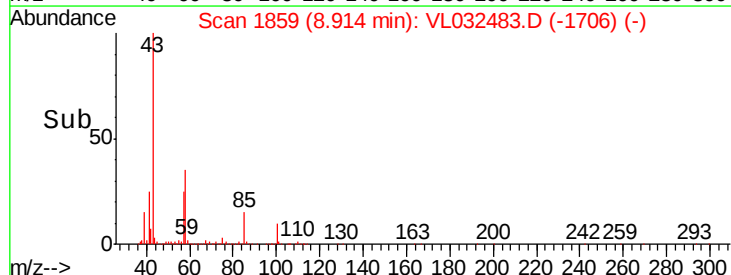
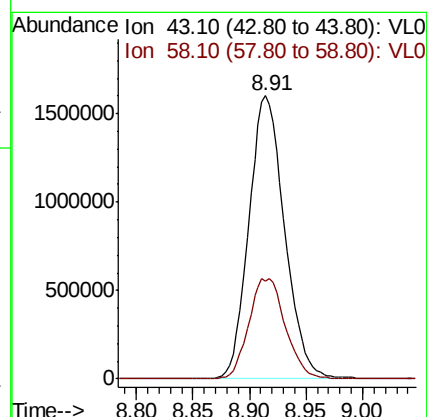
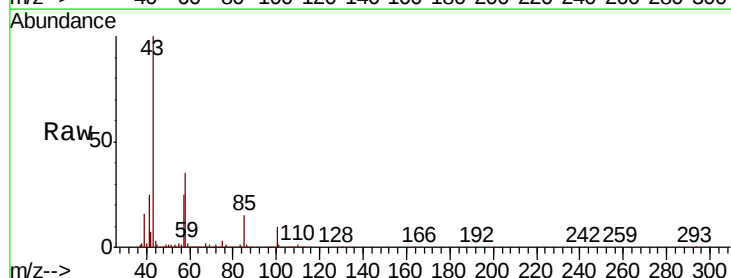
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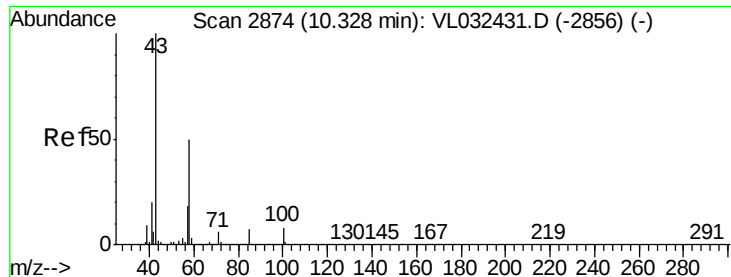
MMDadoda
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#50
4-Methyl-2-Pentanone
Concen: 9.50 ppbv
RT: 8.91 min Scan# 1859
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Tgt Ion: 43 Resp: 3510812
Ion Ratio Lower Upper
43 100
58 36.5 29.0 43.4





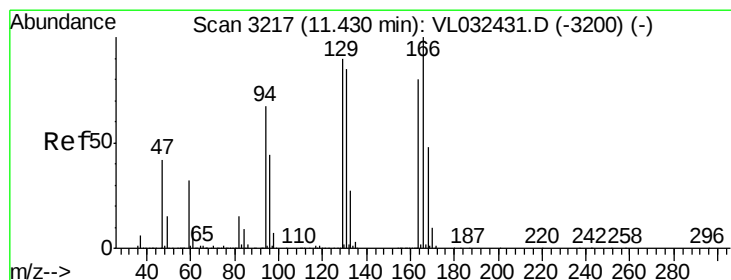
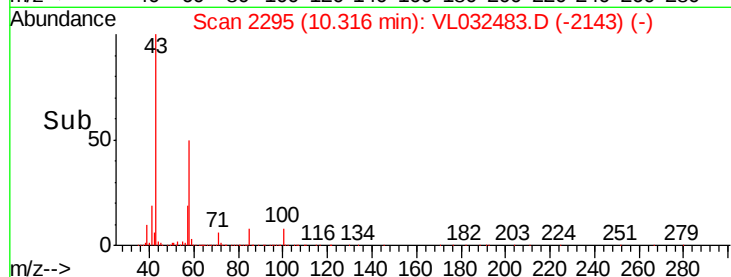
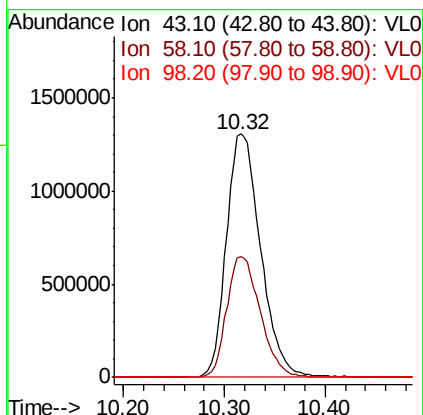
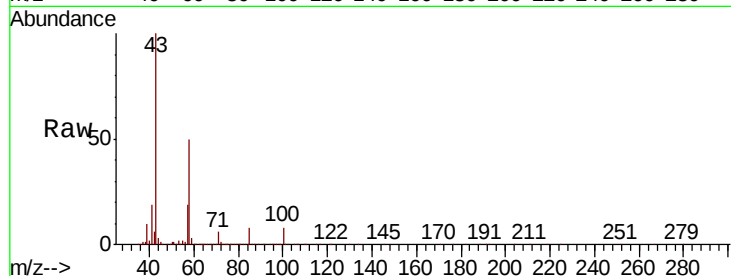
#51
2-Hexanone
Concen: 12.96 ppbv
RT: 10.32 min Scan# 2295
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.9	39.2	58.8
98	0.4	0.4	0.6

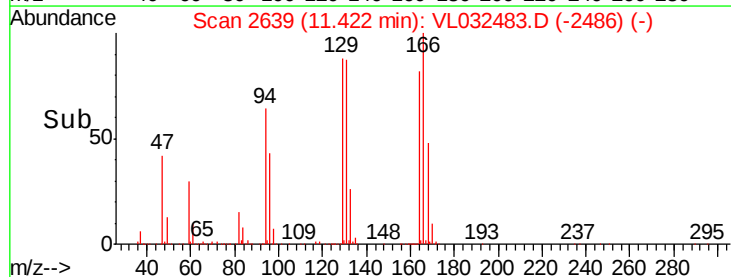
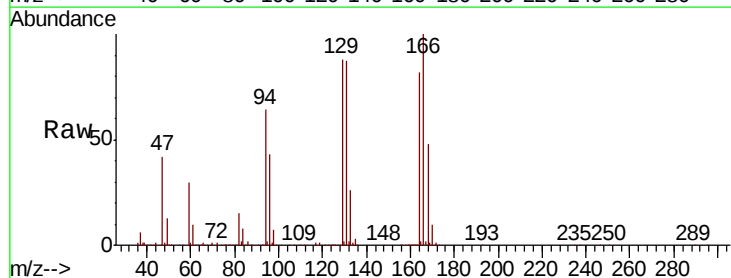
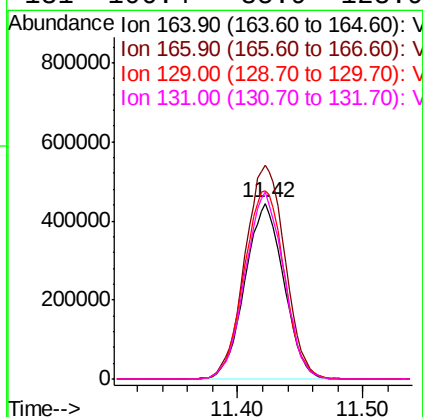
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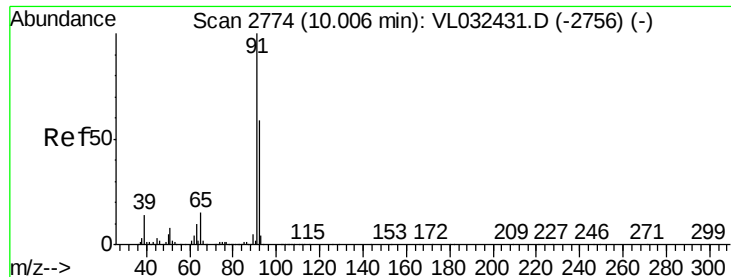
MMDadoda
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#52
Tetrachloroethene
Concen: 9.80 ppbv
RT: 11.42 min Scan# 2639
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.6	100.6	150.8
129	107.0	89.9	134.9
131	106.4	85.9	128.9





#53

Toluene

Concen: 11.88 ppbv

RT: 9.99 min Scan# 2194

Delta R.T. -0.01 min

Lab File: VL032483.D

Acq: 10 Sep 2018 17:29

Instrument :

MSVOA_L

ClientSampleId :

VL0910ABS01

Tot Ion: 91 Resp: 3903809

Ion Ratio Lower Upper

91 100

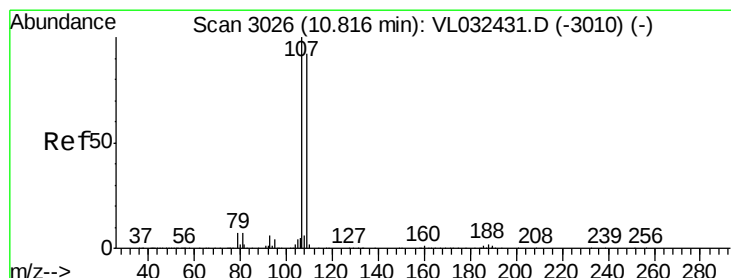
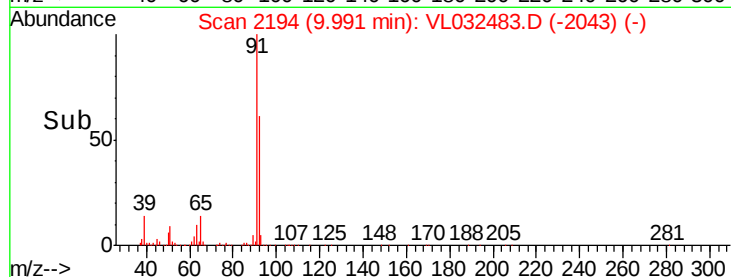
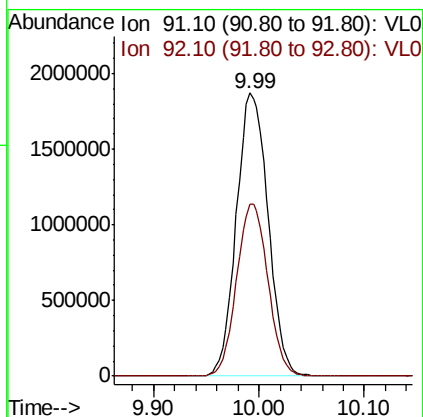
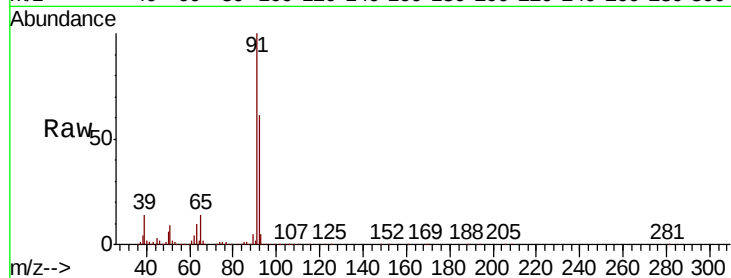
92 60.2 48.1 72.1

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#54

1,2-Dibromoethane

Concen: 10.86 ppbv

RT: 10.81 min Scan# 2448

Delta R.T. -0.01 min

Lab File: VL032483.D

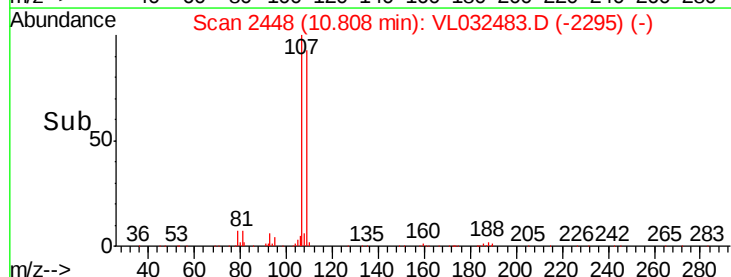
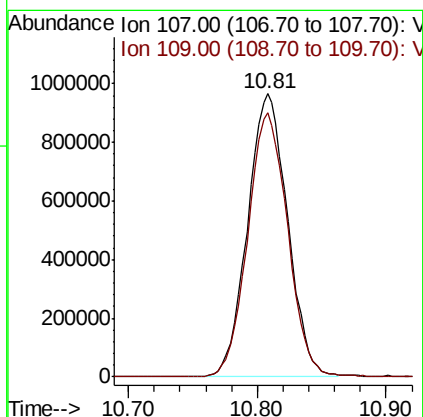
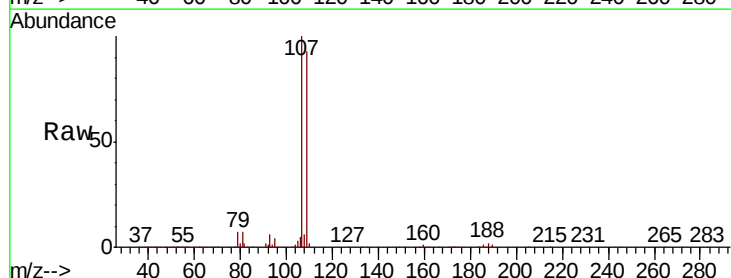
Acq: 10 Sep 2018 17:29

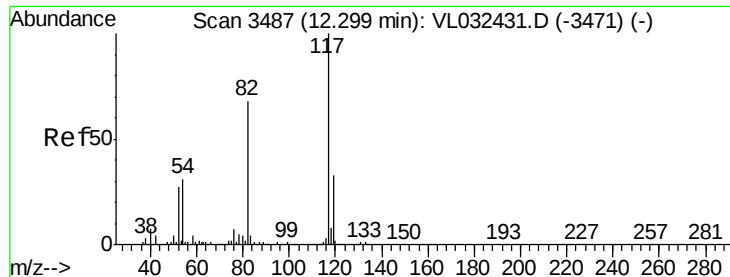
Tgt Ion: 107 Resp: 2084525

Ion Ratio Lower Upper

107 100

109 93.2 73.9 110.9





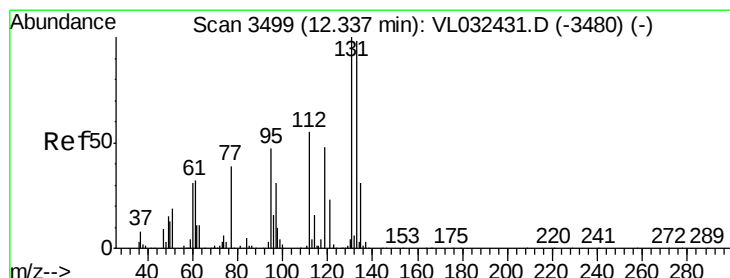
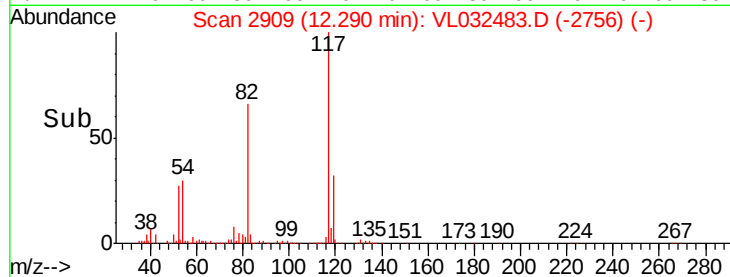
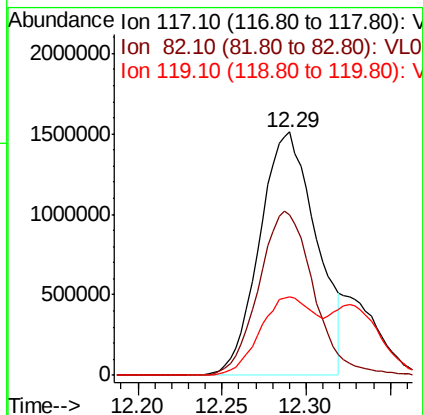
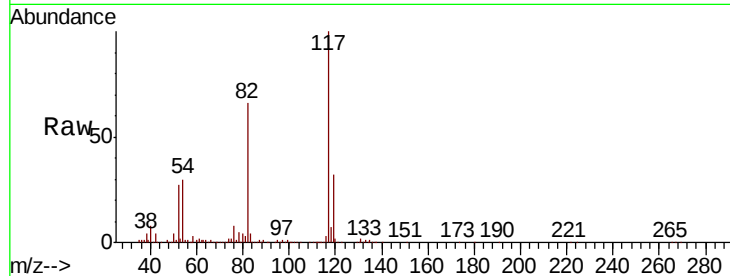
#55
Chlorobenzene-d5
Concen: 10.00 ppbv m
RT: 12.29 min Scan# 2909
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

Tot Ion:117 Resp: 3544264
Ion Ratio Lower Upper
117 100
82 65.7 53.0 79.6
119 31.4 45.9 68.9#

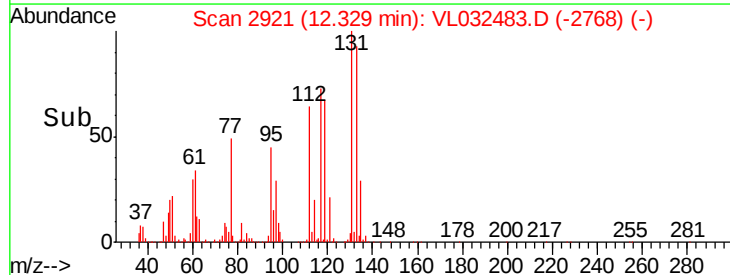
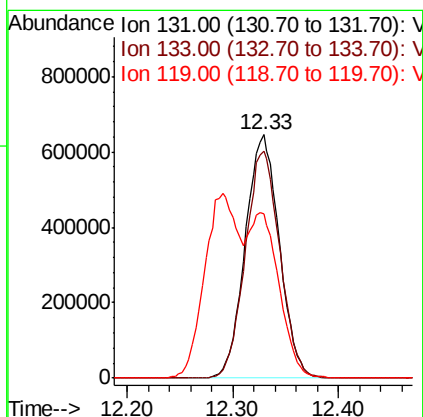
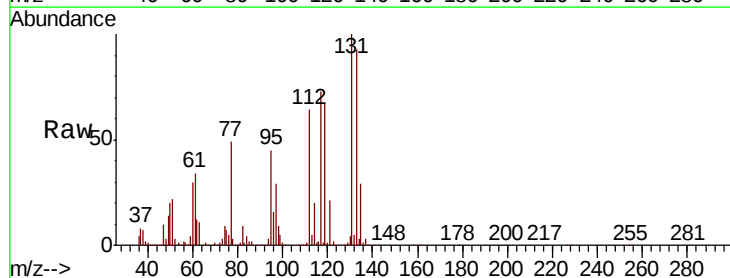
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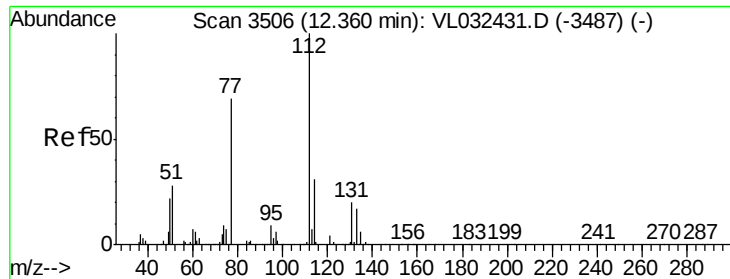
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.10 ppbv
RT: 12.33 min Scan# 2921
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Tgt Ion:131 Resp: 1453454
Ion Ratio Lower Upper
131 100
133 94.6 77.0 115.4
119 57.5 114.2 171.2#





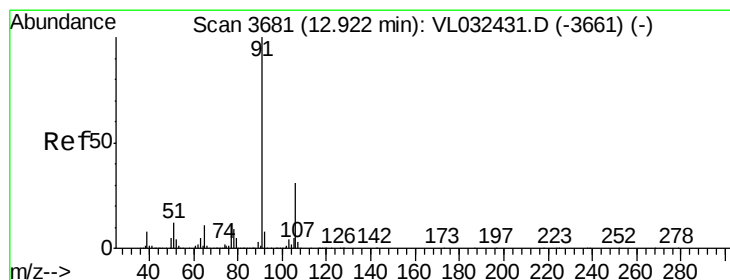
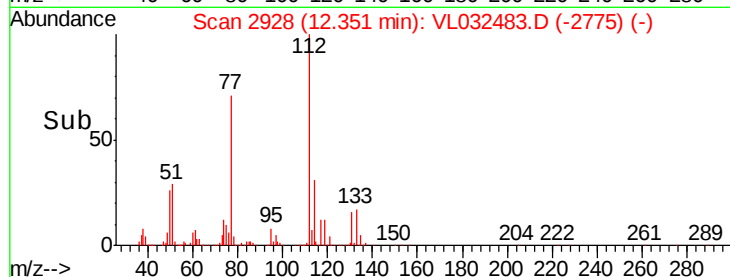
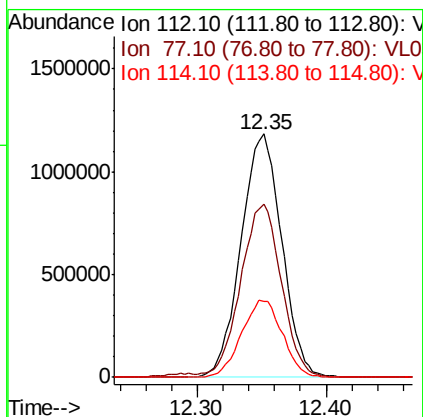
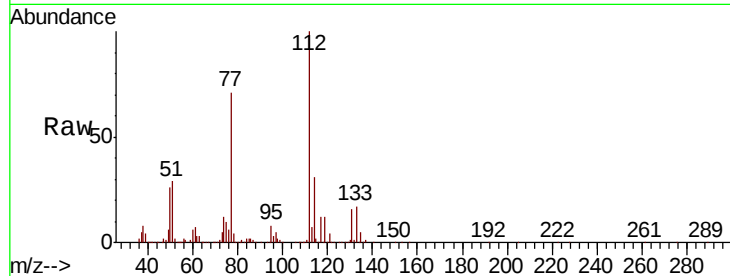
#57
Chlorobenzene
Concen: 9.16 ppbv
RT: 12.35 min Scan# 2928
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

Tot Ion	Ratio	Lower	Upper
112	100		
77	71.1	56.1	84.1
114	31.0	27.8	34.0

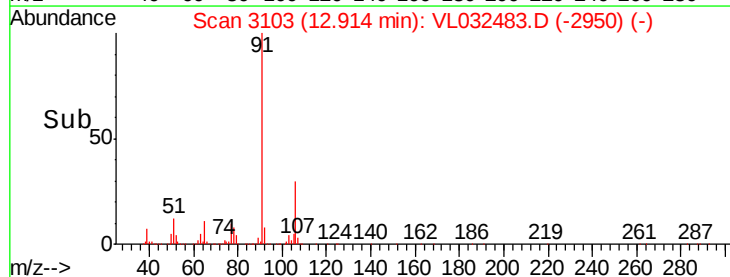
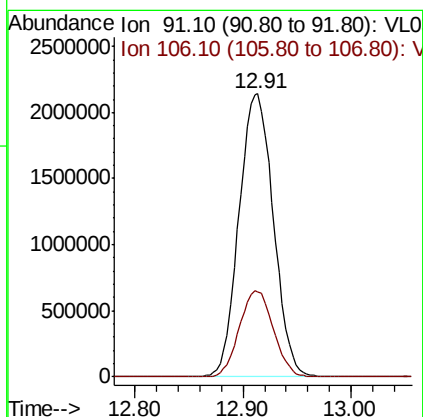
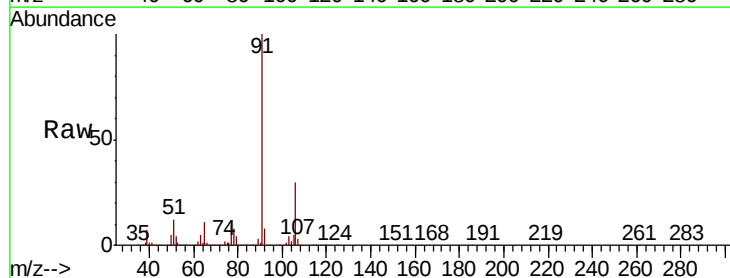
Manual Integrations
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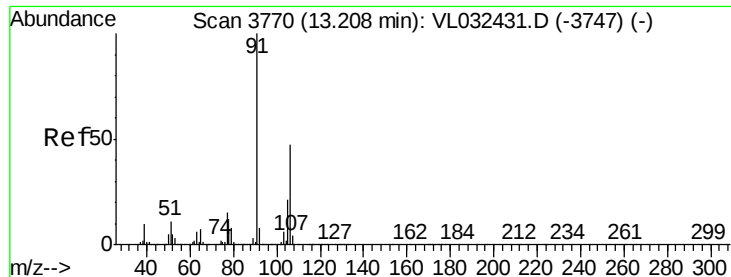
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#58
Ethyl Benzene
Concen: 11.21 ppbv
RT: 12.91 min Scan# 3103
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.0	24.8	37.2





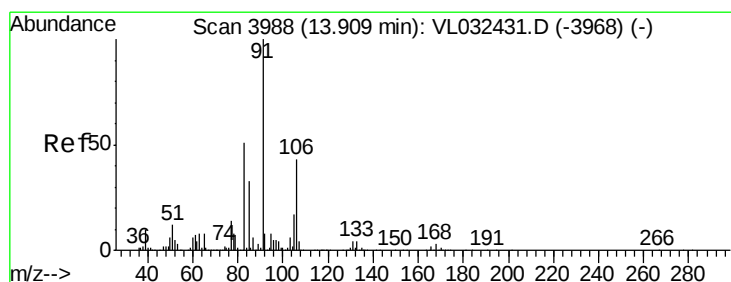
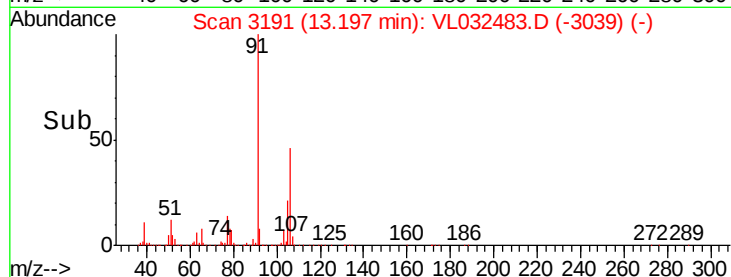
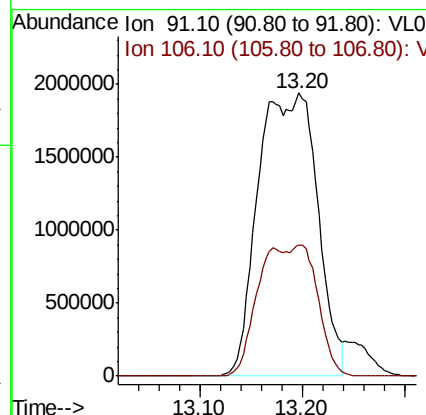
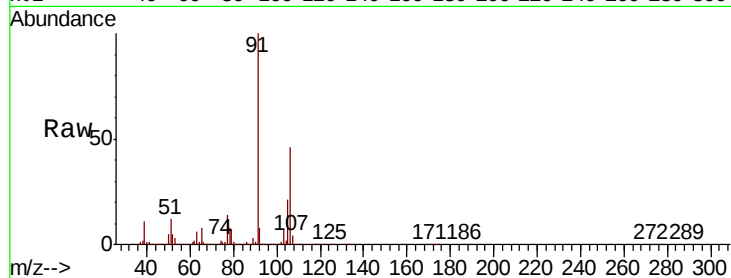
#59
m/p-Xylene
Concen: 20.57 ppbv m
RT: 13.20 min Scan# 3191
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

Tot Ion: 91 Resp: 7776407
Ion Ratio Lower Upper
91 100
106 46.0 36.6 55.0

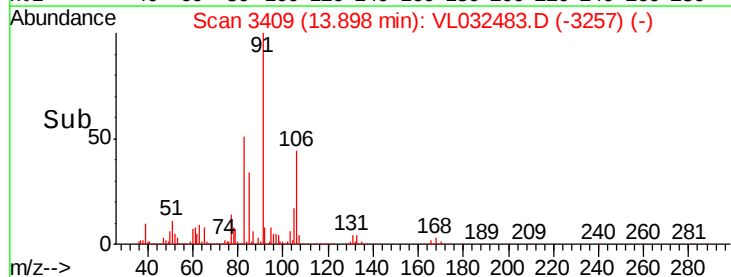
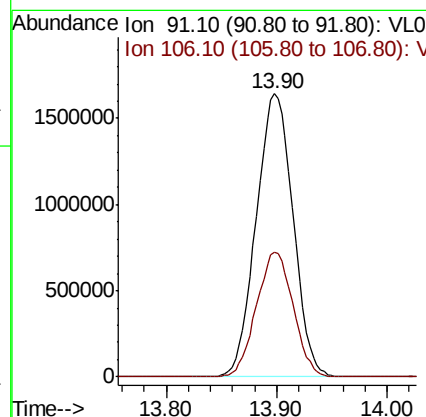
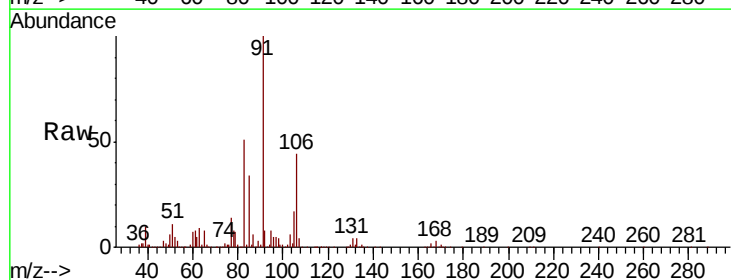
Manual Integrations
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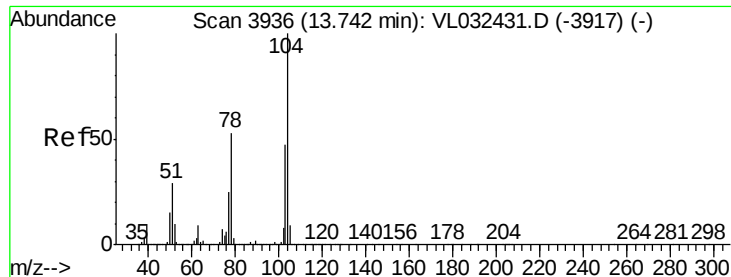
MMDadoda
9/12/2018 3:59:33 PM



#60
o-Xylene
Concen: 10.25 ppbv
RT: 13.90 min Scan# 3409
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Tgt Ion: 91 Resp: 3807605
Ion Ratio Lower Upper
91 100
106 44.1 21.9 65.7





#61

Stvrene

Concen: 12.02 ppbv

RT: 13.73 min Scan# 3358

Delta R.T. -0.01 min

Lab File: VL032483.D

Acq: 10 Sep 2018 17:29

Instrument :

MSVOA_L

ClientSampleId :

VL0910ABS01

Tot Ion:104 Resp: 2891222

Ion Ratio Lower Upper

104 100

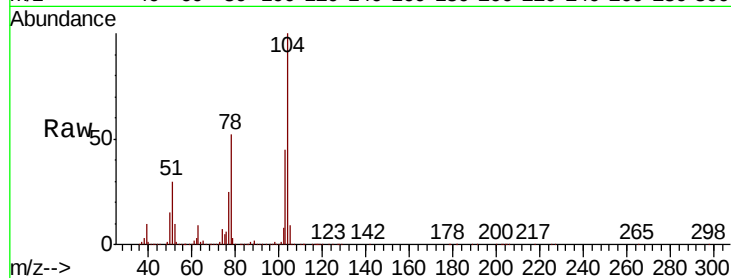
78 53.2 41.8 62.8

103 46.9 38.0 57.0

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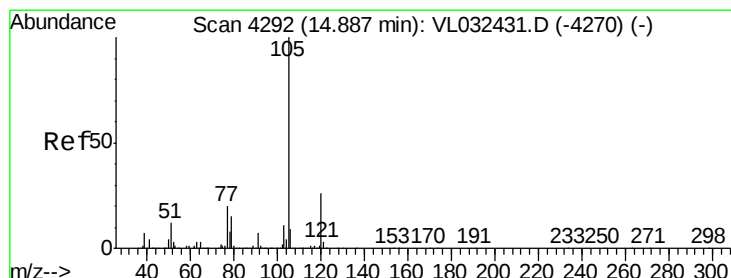
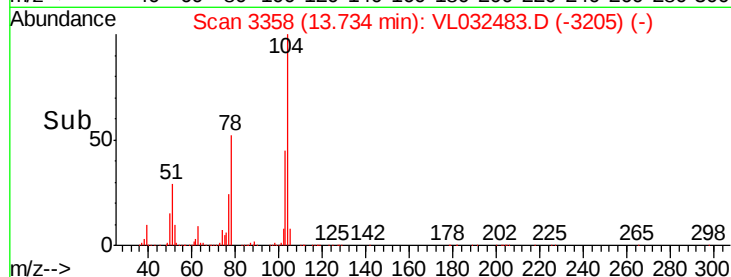
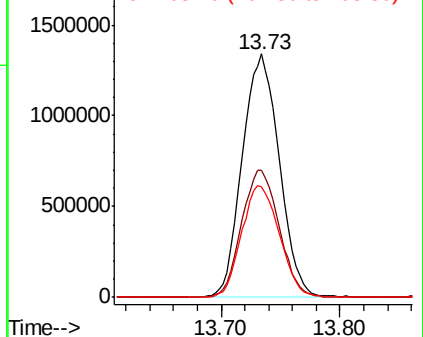
9/12/2018 3:59:33 PM



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 10.25 ppbv

RT: 14.88 min Scan# 3713

Delta R.T. -0.01 min

Lab File: VL032483.D

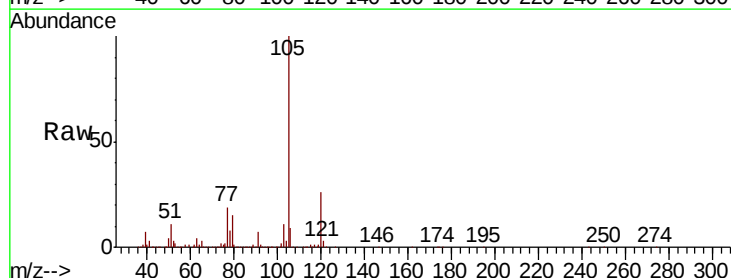
Acq: 10 Sep 2018 17:29

Tgt Ion:105 Resp: 5353207

Ion Ratio Lower Upper

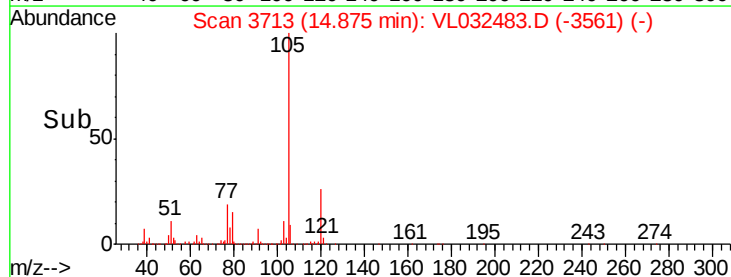
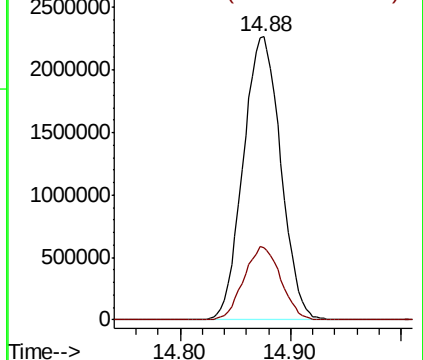
105 100

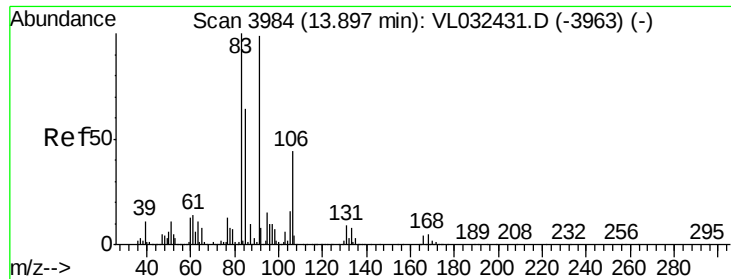
120 25.4 20.6 31.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





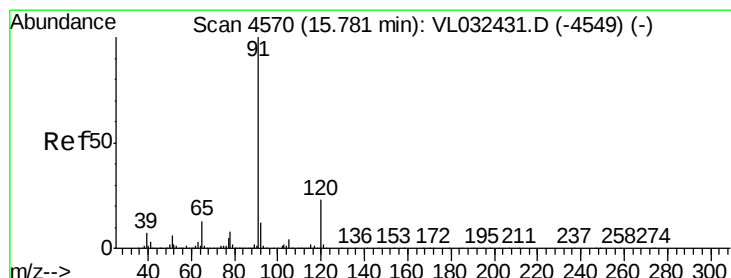
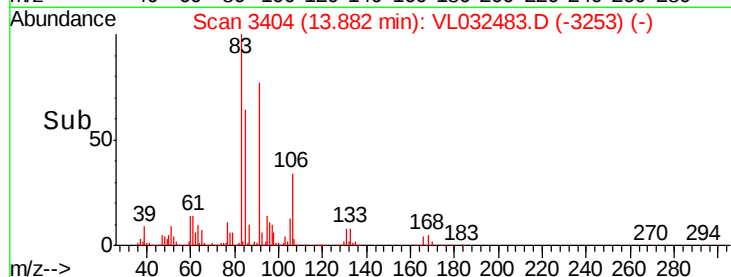
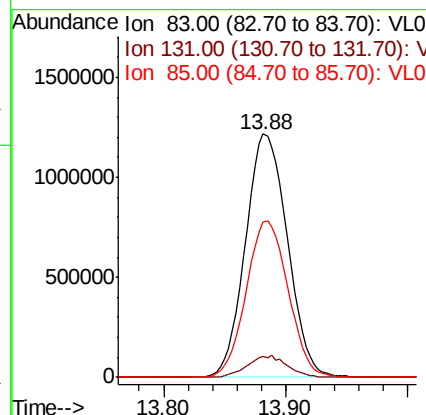
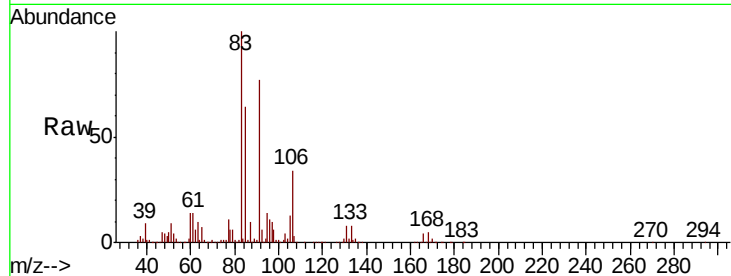
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.71 ppbv
 RT: 13.88 min Scan# 3404
 Delta R.T. -0.01 min
 Lab File: VL032483.D
 Acq: 10 Sep 2018 17:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0910ABS01

Tot Ion	Ratio	Lower	Upper
83	100		
131	8.5	4.3	12.8
85	64.5	32.3	96.8

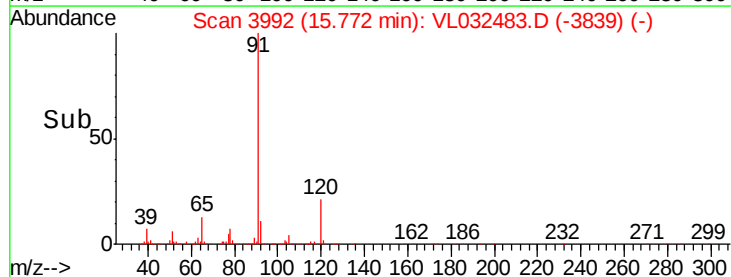
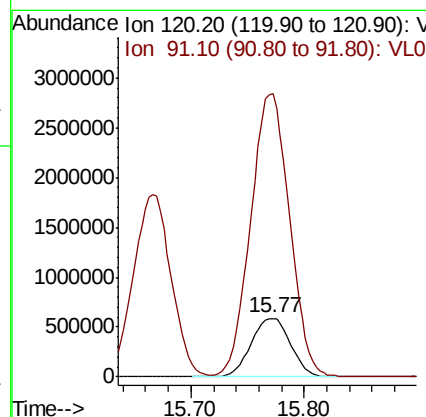
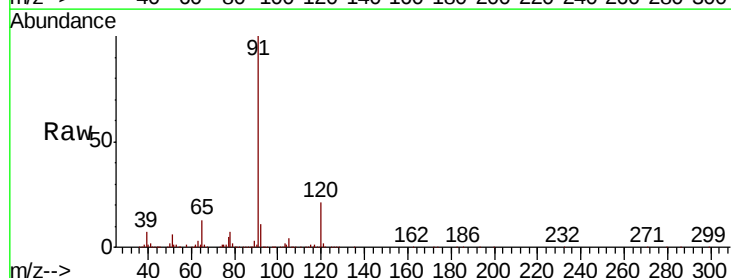
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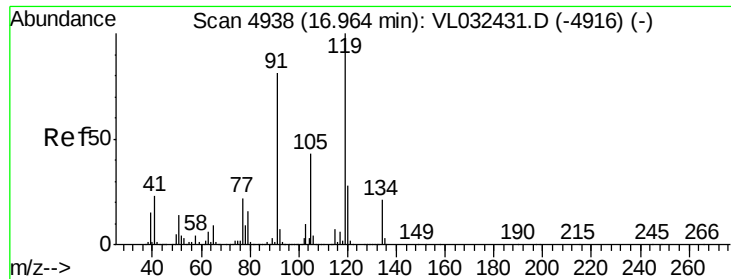
MMDadoda
 9/12/2018 3:59:33 PM



#64
 n-propylbenzene
 Concen: 10.44 ppbv
 RT: 15.77 min Scan# 3992
 Delta R.T. -0.01 min
 Lab File: VL032483.D
 Acq: 10 Sep 2018 17:29

Tgt Ion	Ratio	Lower	Upper
120	100		
91	477.6	381.8	572.6





#65

tert-Butylbenzene

Concen: 10.16 ppbv

RT: 16.96 min Scan# 4360

Delta R.T. -0.01 min

Lab File: VL032483.D

Acq: 10 Sep 2018 17:29

Instrument :

MSVOA_L

ClientSampleId :

VL0910ABS01

Tot Ion:119 Resp: 4573698

Ion Ratio Lower Upper

119 100

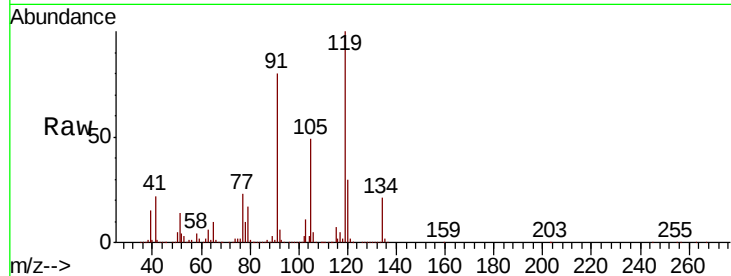
91 83.1 66.5 99.7

134 19.9 16.0 24.0

Manual Integrations
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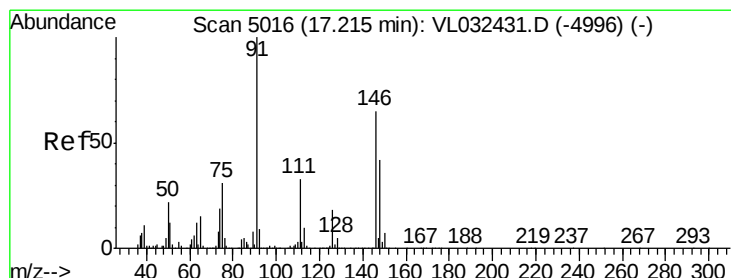
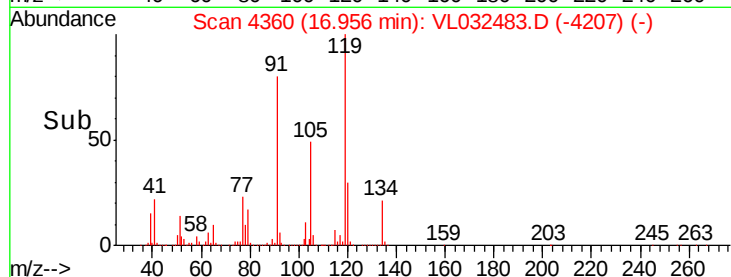
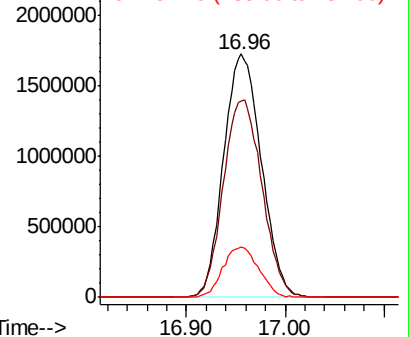
9/12/2018 3:59:33 PM



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 11.43 ppbv

RT: 17.20 min Scan# 4437

Delta R.T. -0.01 min

Lab File: VL032483.D

Acq: 10 Sep 2018 17:29

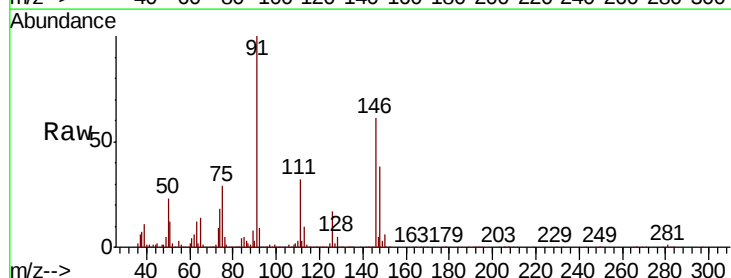
Tgt Ion: 91 Resp: 2864650

Ion Ratio Lower Upper

91 100

126 17.3 13.8 20.8

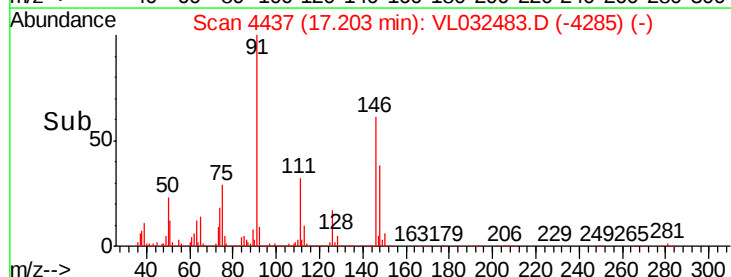
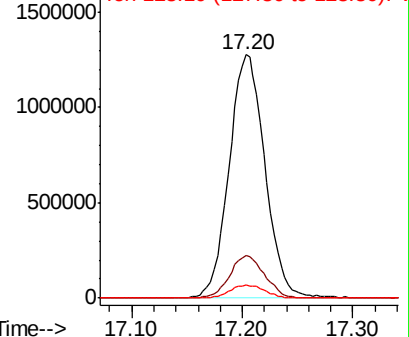
128 5.3 4.4 6.6

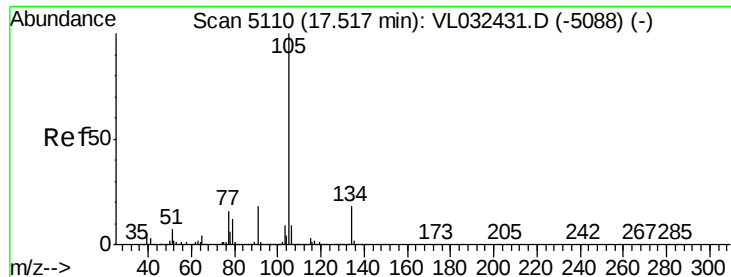


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 10.05 ppbv

RT: 17.51 min Scan# 4531

Delta R.T. -0.01 min

Lab File: VL032483.D

Acq: 10 Sep 2018 17:29

Instrument :

MSVOA_L

ClientSampleId :

VL0910ABS01

Tot Ion: 105 Resp: 6797274

Ion Ratio Lower Upper

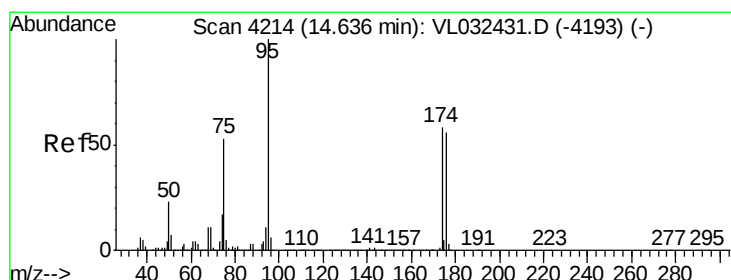
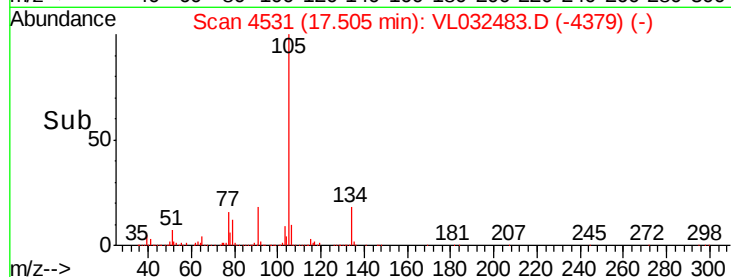
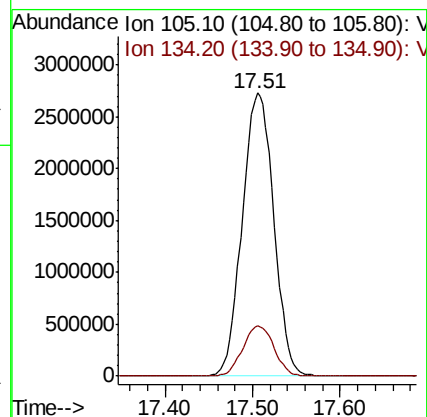
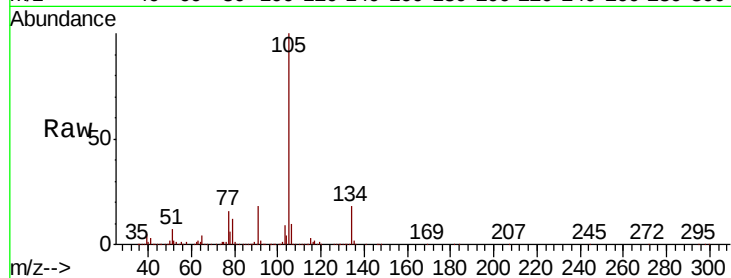
105 100

134 17.7 14.4 21.6

Manual Integrations
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#68

1-Bromo-4-Fluorobenzene

Concen: 9.99 ppbv

RT: 14.62 min Scan# 3635

Delta R.T. -0.01 min

Lab File: VL032483.D

Acq: 10 Sep 2018 17:29

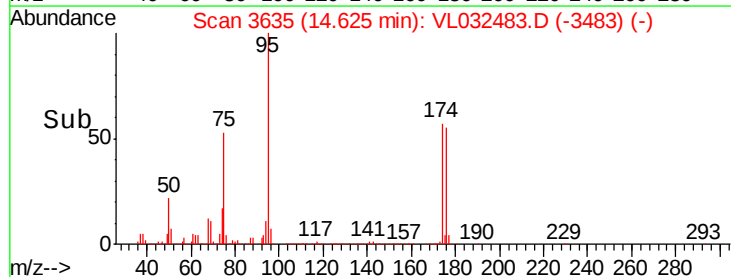
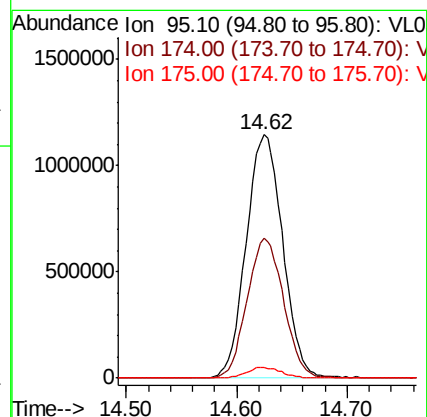
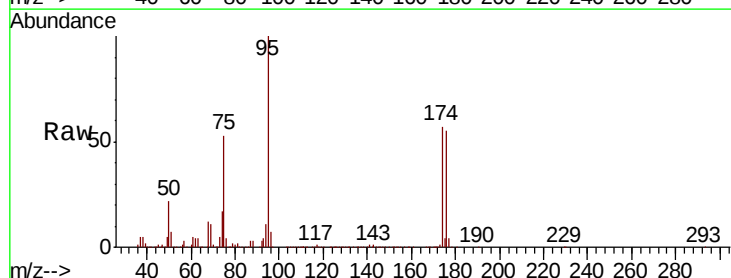
Tgt Ion: 95 Resp: 2628775

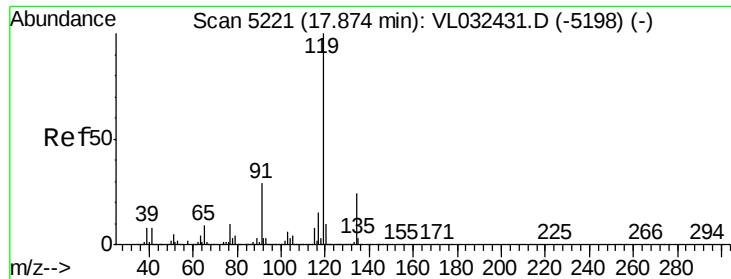
Ion Ratio Lower Upper

95 100

174 57.6 46.3 69.5

175 4.2 3.4 5.0





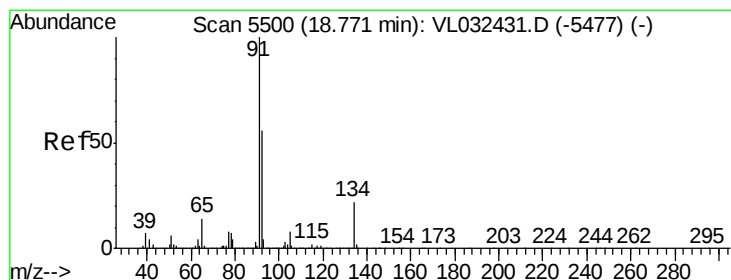
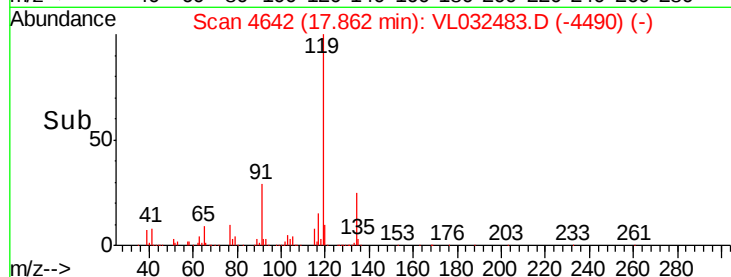
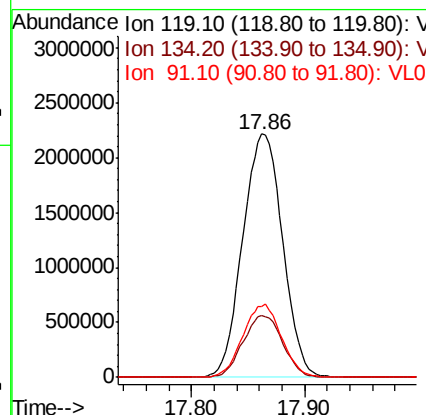
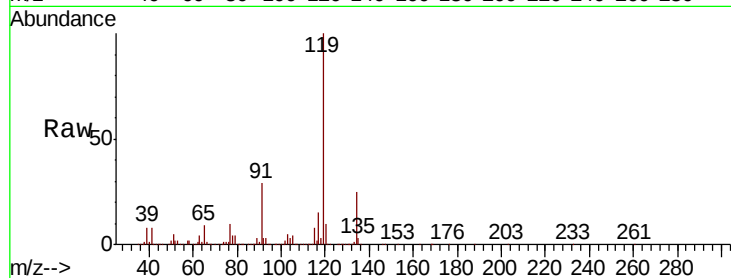
#69
 p-Isopropyltoluene
 Concen: 10.35 ppbv
 RT: 17.86 min Scan# 4642
 Delta R.T. -0.01 min
 Lab File: VL032483.D
 Acq: 10 Sep 2018 17:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0910ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.4	20.4	30.6
91	29.1	23.4	35.2

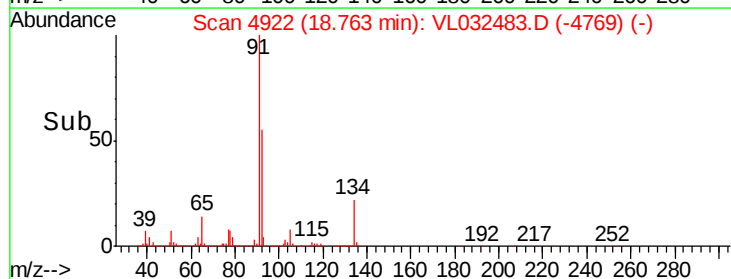
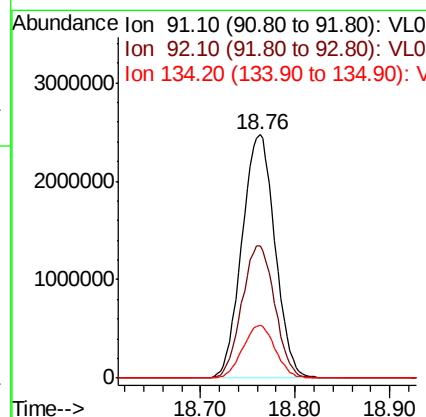
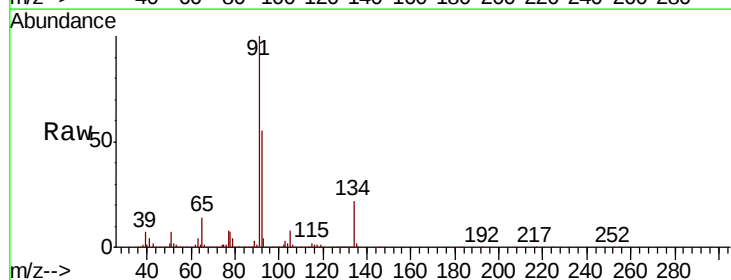
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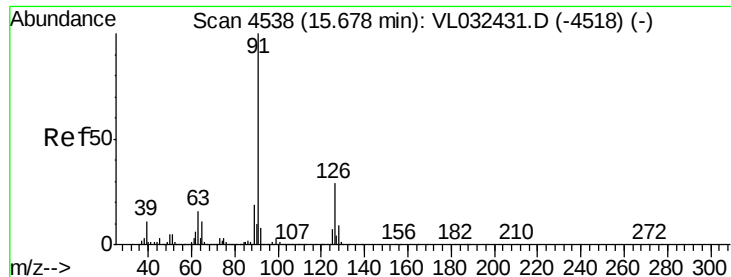
MMDadoda
 9/12/2018 3:59:33 PM



#70
 n-Butylbenzene
 Concen: 10.09 ppbv
 RT: 18.76 min Scan# 4922
 Delta R.T. -0.01 min
 Lab File: VL032483.D
 Acq: 10 Sep 2018 17:29

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.3	43.8	65.8
134	21.4	17.4	26.0





#71

2-Chlorotoluene

Concen: 10.63 ppbv

RT: 15.67 min Scan# 3959

Delta R.T. -0.01 min

Lab File: VL032483.D

Acq: 10 Sep 2018 17:29

Instrument :

MSVOA_L

ClientSampleId :

VL0910ABS01

Tot Ion: 91 Resp: 4238676

Ion Ratio Lower Upper

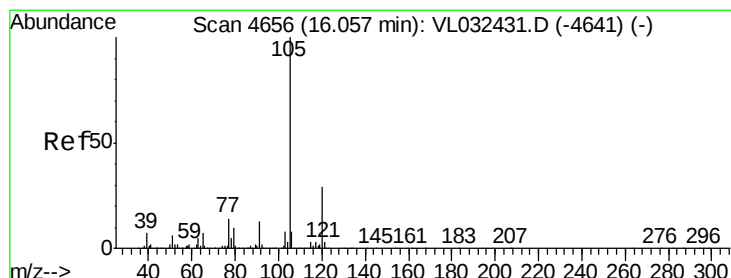
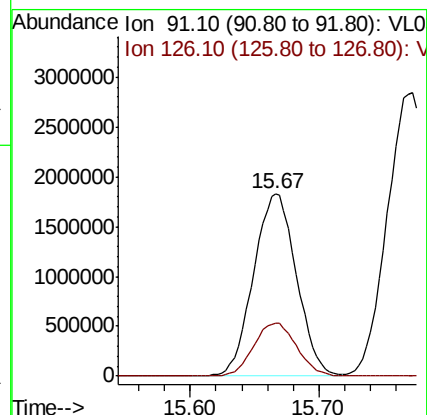
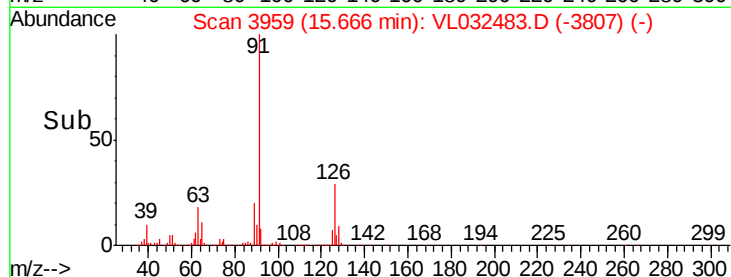
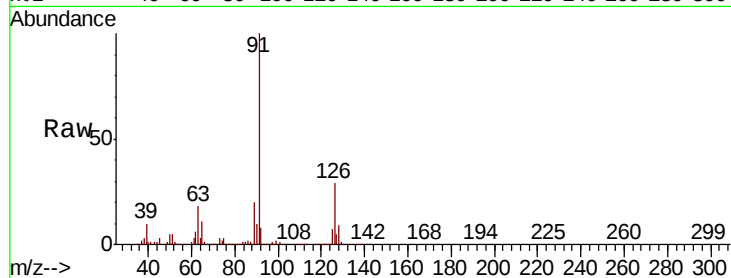
91 100

126 29.4 11.9 47.7

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#72

4-Ethyltoluene

Concen: 11.07 ppbv

RT: 16.05 min Scan# 4078

Delta R.T. -0.01 min

Lab File: VL032483.D

Acq: 10 Sep 2018 17:29

Tgt Ion: 105 Resp: 4489107

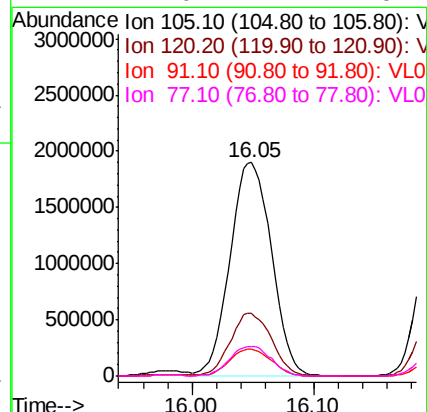
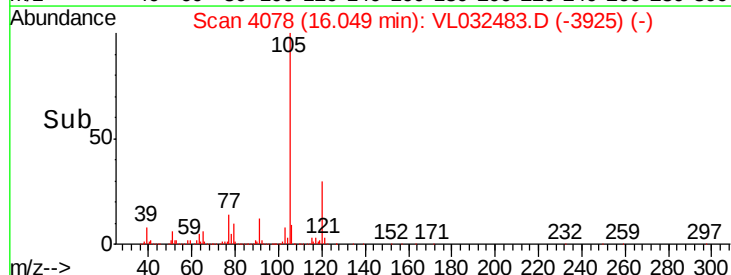
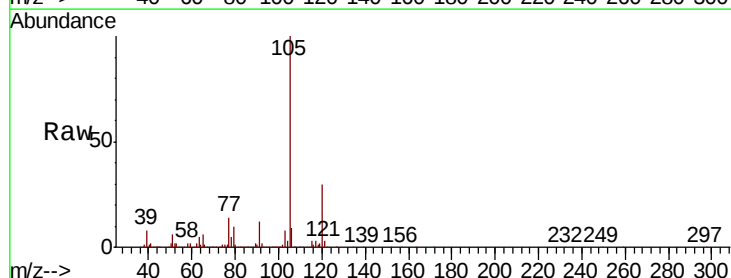
Ion Ratio Lower Upper

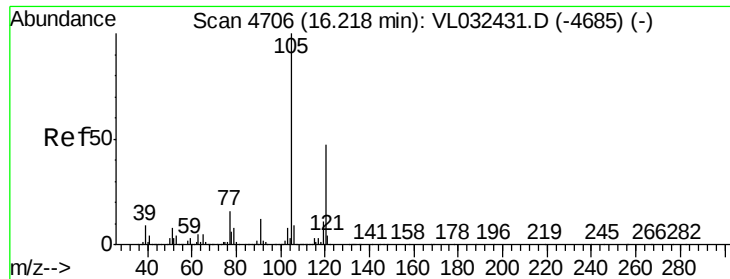
105 100

120 29.2 23.5 35.3

91 13.1 10.2 15.2

77 14.0 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 10.49 ppbv

RT: 16.21 min Scan# 4127

Delta R.T. -0.01 min

Lab File: VL032483.D

Acq: 10 Sep 2018 17:29

Instrument :

MSVOA_L

ClientSampleId :

VL0910ABS01

Tot Ion:105 Resp: 4260468

Ion Ratio Lower Upper

105 100

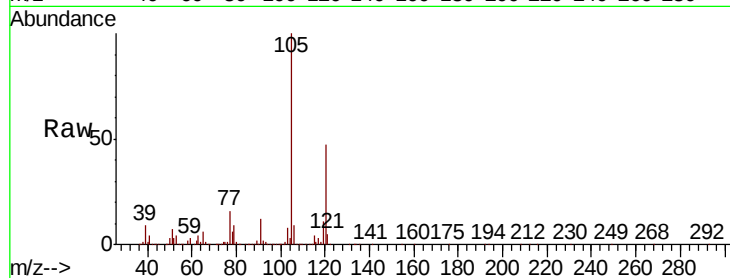
120 46.7 37.9 56.9

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

16.21

2000000

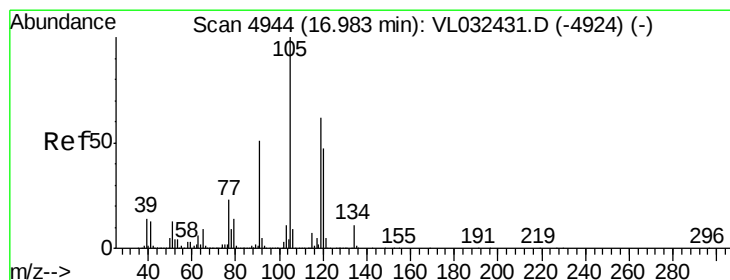
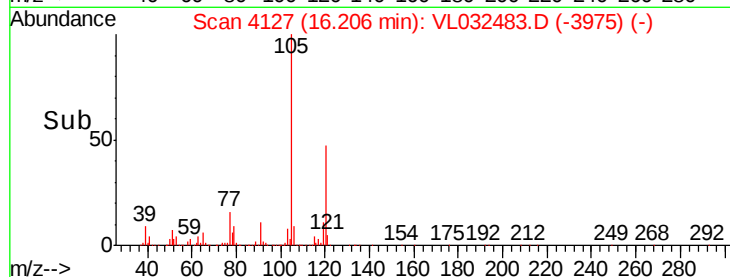
1500000

1000000

500000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 9.71 ppbv

RT: 16.97 min Scan# 4366

Delta R.T. -0.01 min

Lab File: VL032483.D

Acq: 10 Sep 2018 17:29

Tgt Ion:105 Resp: 4314815

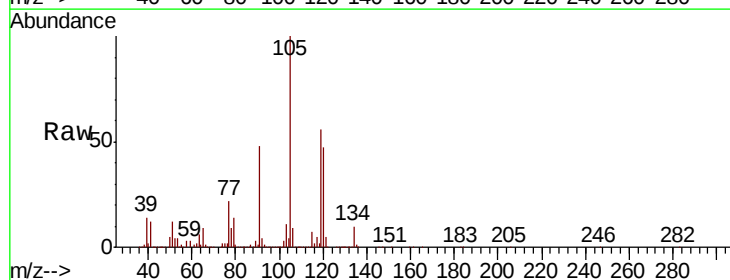
Ion Ratio Lower Upper

105 100

120 47.3 37.8 56.8

91 47.8 41.4 62.0

77 21.8 18.6 28.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

2500000

2000000

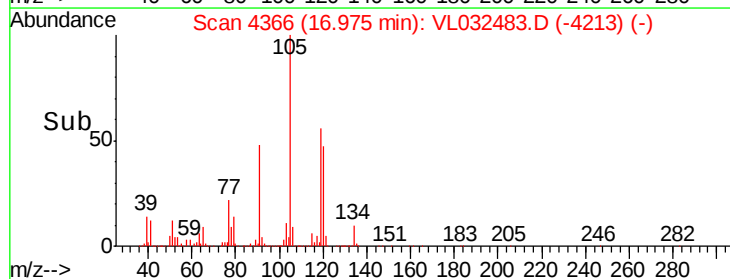
1500000

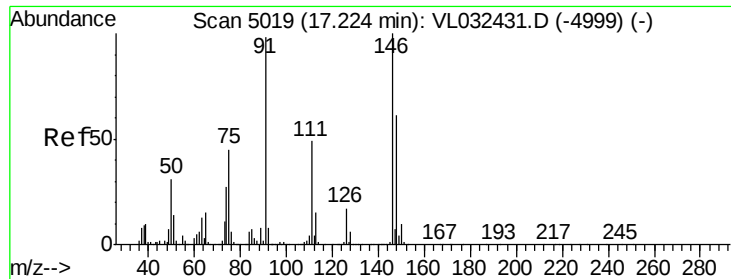
1000000

500000

0

Time-->





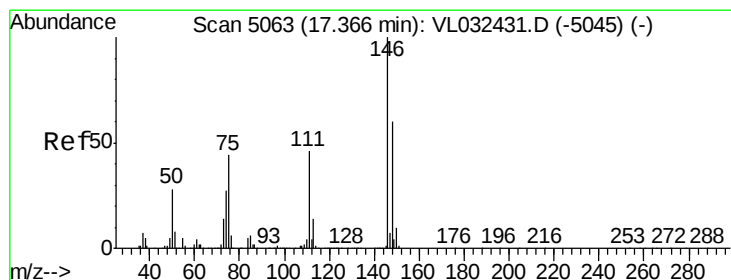
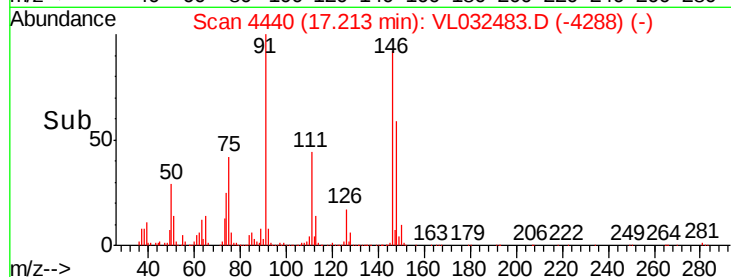
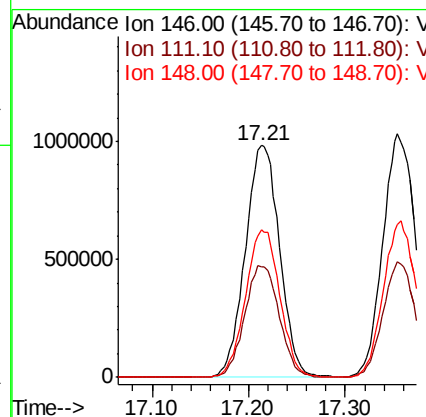
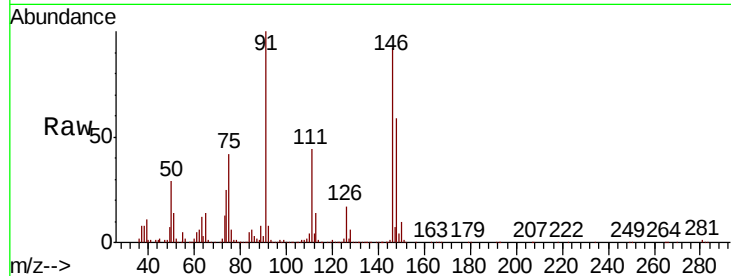
#75
 1,3-Dichlorobenzene
 Concen: 9.19 ppbv
 RT: 17.21 min Scan# 4440
 Delta R.T. -0.01 min
 Lab File: VL032483.D
 Acq: 10 Sep 2018 17:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0910ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.6	24.5	73.5
148	63.7	32.0	96.2

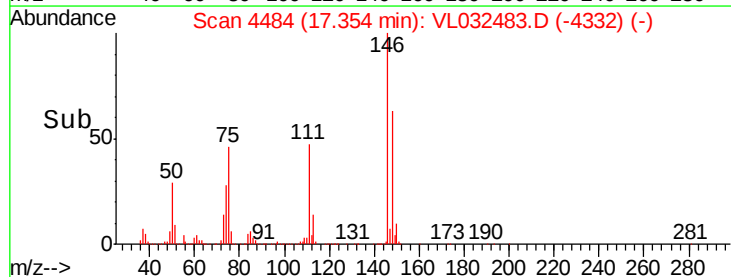
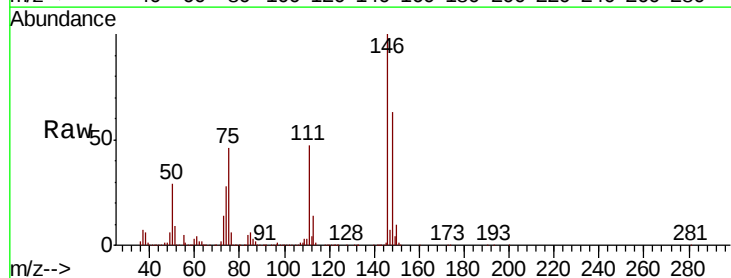
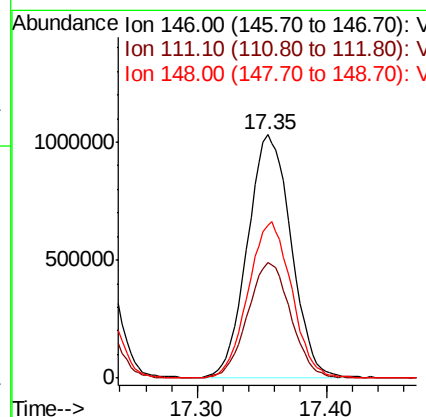
Manual Integrations
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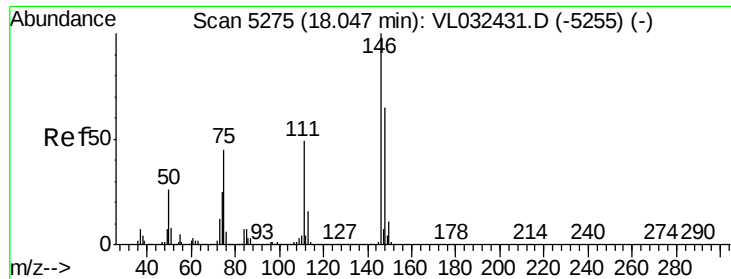
MMDadoda
 9/12/2018 3:59:33 PM



#76
 1,4-Dichlorobenzene
 Concen: 9.88 ppbv
 RT: 17.35 min Scan# 4484
 Delta R.T. -0.01 min
 Lab File: VL032483.D
 Acq: 10 Sep 2018 17:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.6	23.4	70.2
148	64.6	32.0	96.2





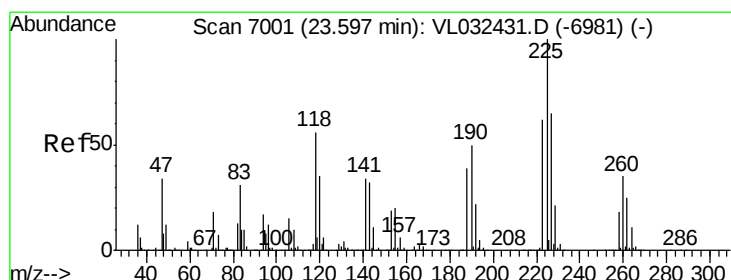
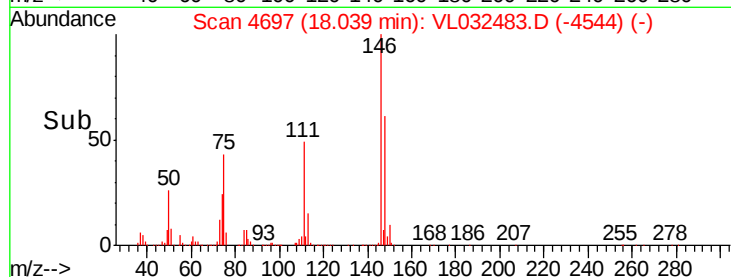
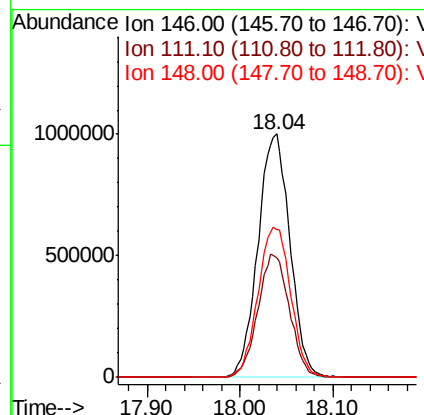
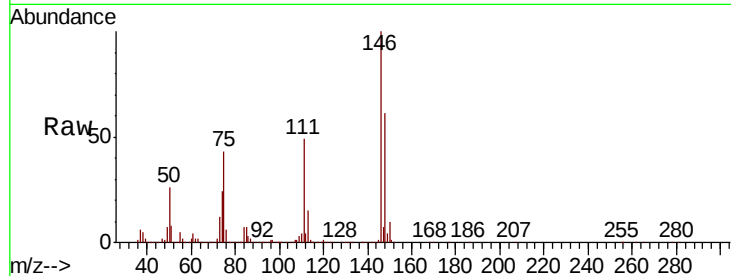
#77
 1,2-Dichlorobenzene
 Concen: 9.45 ppbv
 RT: 18.04 min Scan# 4697
 Delta R.T. -0.01 min
 Lab File: VL032483.D
 Acq: 10 Sep 2018 17:29

Instrument :
 MSVOA_L
 ClientSampled :
 VL0910ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	50.1	24.9	74.8
148	63.2	32.0	96.0

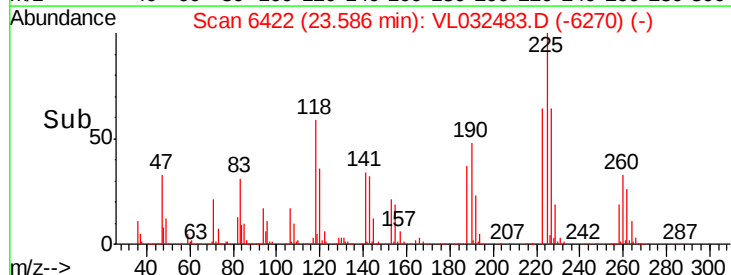
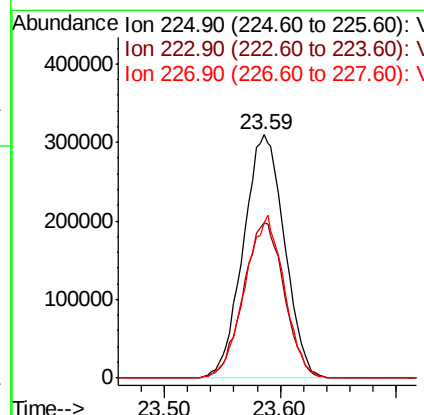
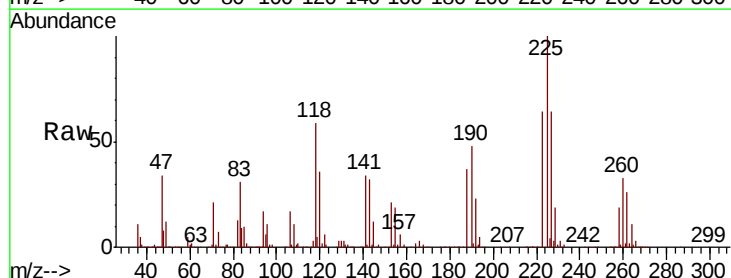
Manual Integrations
 APPROVED

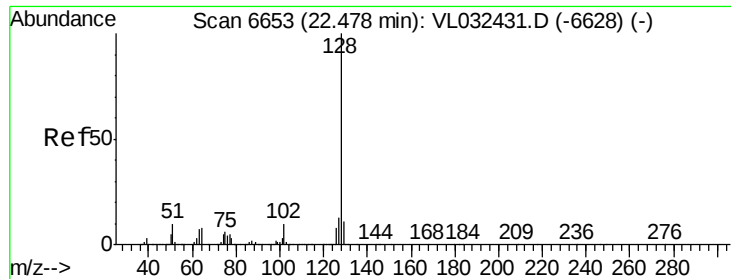
MMDadoda
 9/12/2018 3:59:33 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 8.03 ppbv
 RT: 23.59 min Scan# 6422
 Delta R.T. -0.01 min
 Lab File: VL032483.D
 Acq: 10 Sep 2018 17:29

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	50.6	76.0
227	64.3	51.2	76.8





#79

Naphthalene

Concen: 11.03 ppbv

RT: 22.47 min Scan# 6074

Delta R.T. -0.01 min

Lab File: VL032483.D

Acq: 10 Sep 2018 17:29

Instrument :

MSVOA_L

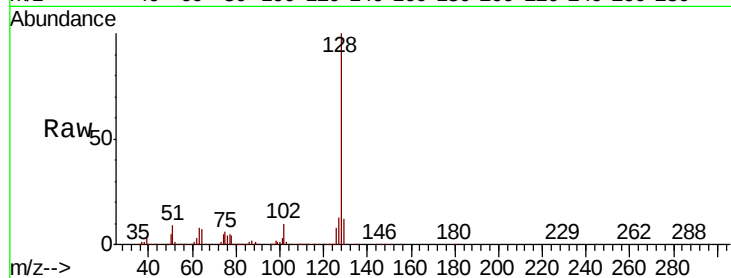
ClientSampleId :

VL0910ABS01

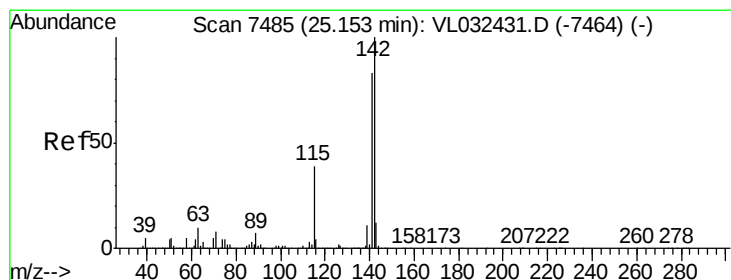
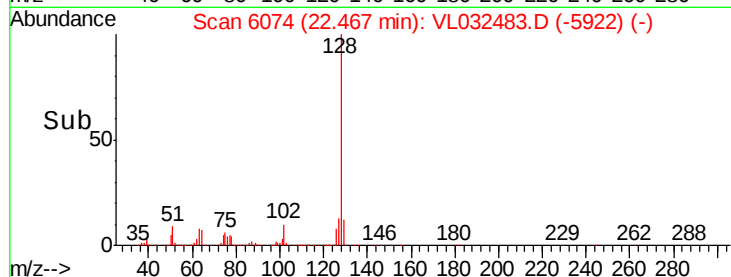
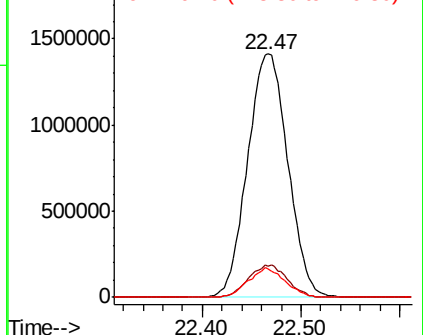
Tot Ion:	128	Resp:	3985149
Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.2	15.2
129	11.7	8.5	12.7

Manual Integrations
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9/12/2018 3:59:33 PM



Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 15.39 ppbv

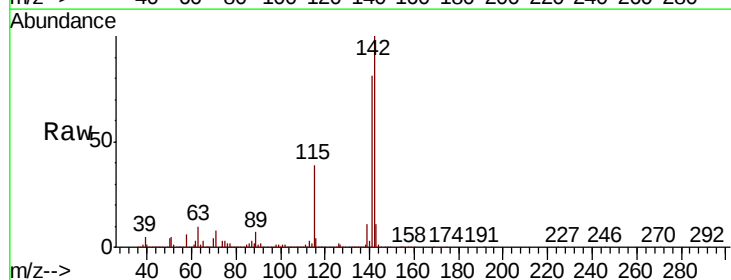
RT: 25.15 min Scan# 6908

Delta R.T. -0.01 min

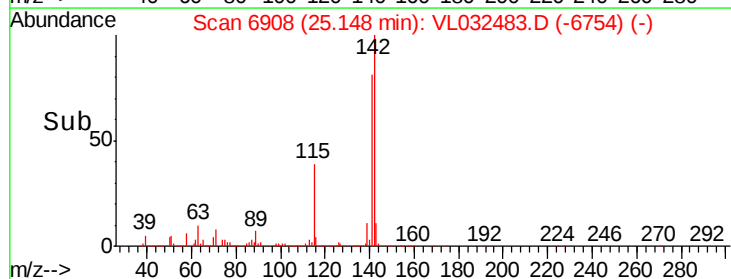
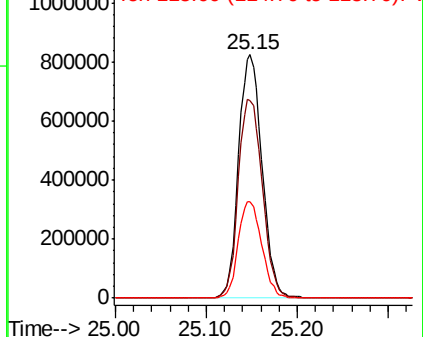
Lab File: VL032483.D

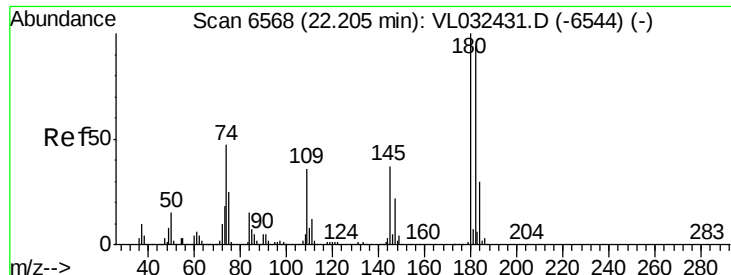
Acq: 10 Sep 2018 17:29

Tgt Ion:	142	Resp:	1479470
Ion	Ratio	Lower	Upper
142	100		
141	84.3	67.0	100.6
115	39.9	31.3	46.9



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 10.49 ppbv
 RT: 22.19 min Scan# 5988
 Delta R.T. -0.01 min
 Lab File: VL032483.D
 Acq: 10 Sep 2018 17:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0910ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	76.1	114.1
184	30.2	23.8	35.8

Manual Integrations
 APPROVED

MMDadoda
 9/12/2018 3:59:33 PM

