

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091018\
 Data File : VL032484.D
 Acq On : 10 Sep 2018 18:07
 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 3:59:34 PM

Quant Time: Sep 11 01:32:33 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	1567413	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.34	114	3944410	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.29	117	3769330m	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.62	95	2859555	10.22	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.20%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.10	85	1449257	7.23	ppbv	98
3) Chlorodifluoromethane	3.04	51	1226282	8.64	ppbv	99
4) Chloromethane	3.19	50	729260	8.49	ppbv	99
5) Vinyl Chloride	3.32	62	686108	8.09	ppbv	97
6) Bromomethane	3.54	94	382457	8.59	ppbv	98
7) Chloroethane	3.63	64	253120	8.62	ppbv	98
8) Dichlorotetrafluoroethane	3.25	85	1451425	8.16	ppbv	100
9) Propene	3.06	41	606281	10.59	ppbv	100
10) Heptane	8.29	43	2338714	11.39	ppbv	100
11) Trichlorofluoromethane	4.04	101	1463642	8.10	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.59	101	1218657	9.95	ppbv	100
13) Ethanol	3.68	45	142152	7.97	ppbv	97
14) Bromoethene	3.82	108	462112	8.90	ppbv	99
15) Acetone	3.93	43	1139020	8.07	ppbv	99
16) 1,3-Butadiene	3.39	39	575668	8.67	ppbv	93
17) tert-Butyl alcohol	4.39	59	189821	8.74	ppbv #	100
18) 1,1-Dichloroethene	4.38	96	605934	10.82	ppbv	95
19) Isopropyl Alcohol	4.05	45	887273	9.58	ppbv #	98
20) Methylene Chloride	4.44	84	540114	10.04	ppbv	96
21) Allyl Chloride	4.51	41	1053140	11.23	ppbv	99
22) trans-1,2-Dichloroethene	5.00	96	585091	9.63	ppbv	98
23) Vinyl Acetate	5.19	43	2662300	11.38	ppbv	99
24) 1,1-Dichloroethane	5.13	63	1884249	9.77	ppbv	99
25) Ethyl Acetate	5.81	43	3139700	9.42	ppbv	100
26) Hexane	5.82	57	1450201	9.72	ppbv	99
27) Carbon Disulfide	4.65	76	1521539	11.04	ppbv	99
28) Methyl tert-Butyl Ether	5.15	73	2055361	11.22	ppbv	99
29) Chloroform	5.89	83	2108064	9.26	ppbv	100
30) Cyclohexane	7.29	84	1427716	13.06	ppbv	99
31) cis-1,2-Dichloroethene	5.68	61	1459595	10.80	ppbv	99
32) 1,1,1-Trichloroethane	6.66	97	2025196	9.55	ppbv	99
34) 2-Butanone	5.36	43	2133860	8.14	ppbv	99
35) Carbon Tetrachloride	7.18	117	2360676	8.90	ppbv	99
36) Benzene	7.05	78	3187472	9.50	ppbv	99
37) 1,2-Dichloroethane	6.45	62	1603527	7.80	ppbv	100
38) Trichloroethene	8.00	130	1157608	9.08	ppbv	98
39) 1,2-Dichloropropane	7.78	63	1384645	9.64	ppbv	97
40) 1,4-Dioxane	8.00	88	448543	10.41	ppbv #	1
41) Tetrahydrofuran	6.18	42	1295466	9.08	ppbv	100
42) Bromodichloromethane	7.96	83	2658420	9.37	ppbv	99
43) Methyl Methacrylate	8.18	69	1418012	9.96	ppbv	99

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

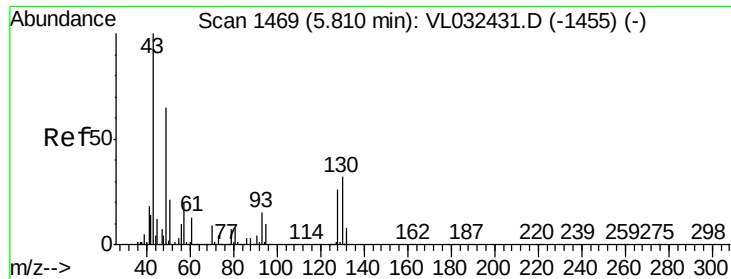
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 31

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

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.03	57	6032045	9.29	ppbv	99
45) t-1,3-Dichloropropene	9.46	75	1808087	11.87	ppbv	97
46) cis-1,3-Dichloropropene	8.88	75	2050942	10.53	ppbv	98
47) 1,1,2-Trichloroethane	9.66	97	1405559	9.21	ppbv	98
48) Dibromochloromethane	10.50	129	2224583	10.52	ppbv	100
49) Bromoform	13.25	173	1635260	8.90	ppbv	99
50) 4-Methyl-2-Pentanone	8.91	43	3543865	8.98	ppbv	99
51) 2-Hexanone	10.32	43	3083831	12.13	ppbv #	100
52) Tetrachloroethene	11.42	164	946382	9.09	ppbv	98
53) Toluene	9.99	91	3935418	11.22	ppbv	99
54) 1,2-Dibromoethane	10.81	107	2065218	10.07	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.33	131	1420056	8.36	ppbv	97
57) Chlorobenzene	12.35	112	2611469	8.67	ppbv	99
58) Ethyl Benzene	12.91	91	4720501	10.47	ppbv	99
59) m/p-Xylene	13.20	91	7706919m	19.16	ppbv	
60) o-Xylene	13.89	91	3769171	9.54	ppbv	99
61) Styrene	13.73	104	2816016	11.01	ppbv	99
62) Isopropylbenzene	14.87	105	5321558	9.58	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.89	83	2794454	7.91	ppbv	100
64) n-propylbenzene	15.77	120	1380381	9.51	ppbv	98
65) tert-Butylbenzene	16.96	119	4448973	9.30	ppbv	99
66) Benzyl Chloride	17.20	91	2630844	9.87	ppbv	99
67) sec-Butylbenzene	17.50	105	6598118	9.17	ppbv	99
69) p-Isopropyltoluene	17.87	119	5260428	9.43	ppbv	100
70) n-Butylbenzene	18.76	91	5730482	9.06	ppbv	99
71) 2-Chlorotoluene	15.66	91	4151729	9.79	ppbv	99
72) 4-Ethyltoluene	16.05	105	4311404	10.00	ppbv	99
73) 1,3,5-Trimethylbenzene	16.20	105	4091401	9.47	ppbv	96
74) 1,2,4-Trimethylbenzene	16.97	105	4140350	8.76	ppbv	96
75) 1,3-Dichlorobenzene	17.21	146	2279589	8.13	ppbv	100
76) 1,4-Dichlorobenzene	17.35	146	2282150	8.78	ppbv	99
77) 1,2-Dichlorobenzene	18.04	146	2251483	8.33	ppbv	100
78) Hexachloro-1,3-Butadiene	23.59	225	693252	6.86	ppbv	100
79) Naphthalene	22.47	128	3448271	8.98	ppbv	100
80) Naphthalene, 2-methyl-	25.15	142	1094455	10.71	ppbv	100
81) 1,2,4-Trichlorobenzene	22.19	180	1634423m	8.45	ppbv	

(#) = 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

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Instrument :

MSVOA_L

ClientSampleId :

VL0910ABS01

Tot Ion: 49 Resp: 1567413

Ion Ratio Lower Upper

49 100

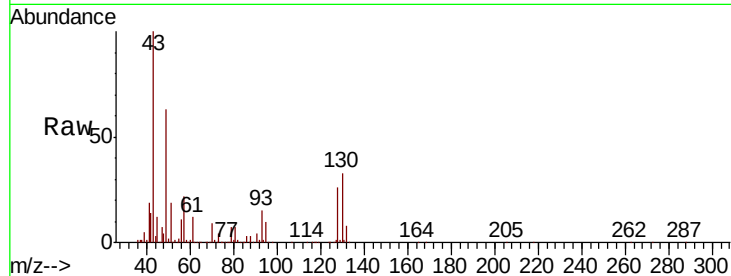
128 41.2 20.7 62.1

130 53.3 26.6 79.7

Manual Integrations
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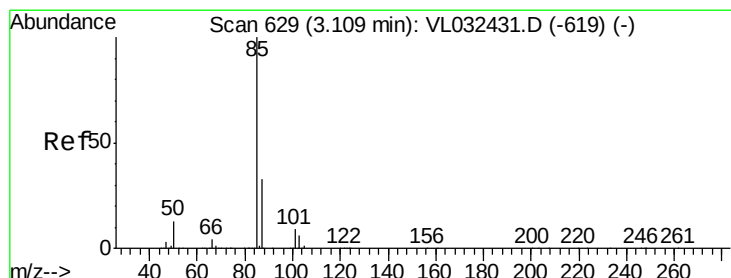
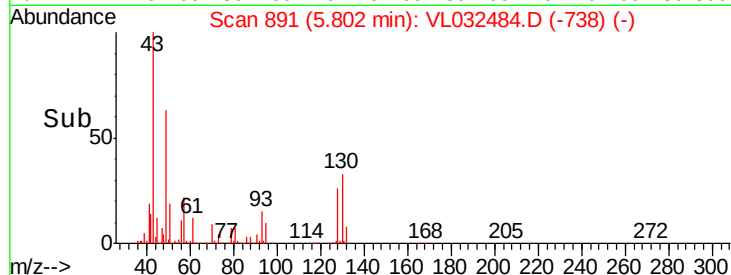
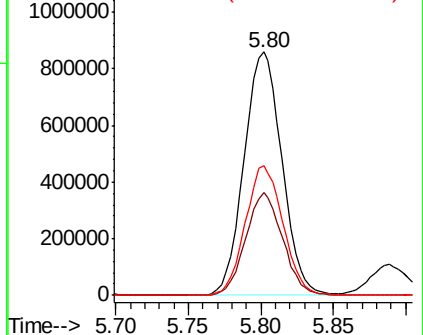
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 7.23 ppbv

RT: 3.10 min Scan# 51

Delta R.T. -0.01 min

Lab File: VL032484.D

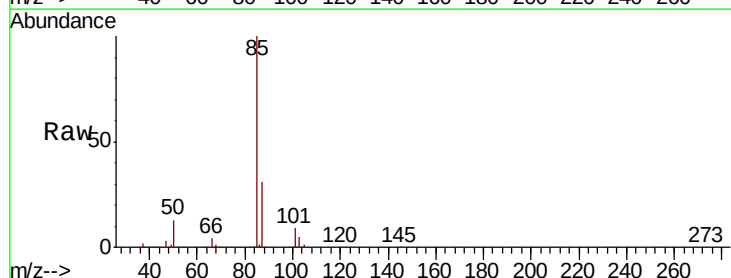
Acq: 10 Sep 2018 18:07

Tgt Ion: 85 Resp: 1449257

Ion Ratio Lower Upper

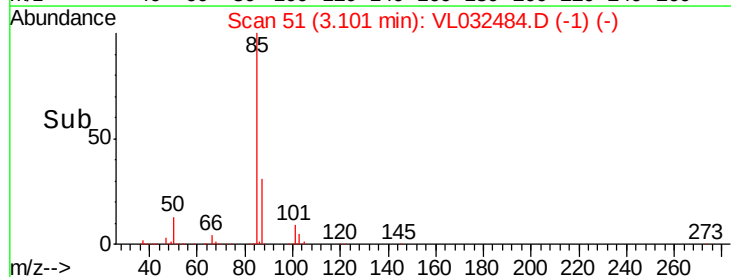
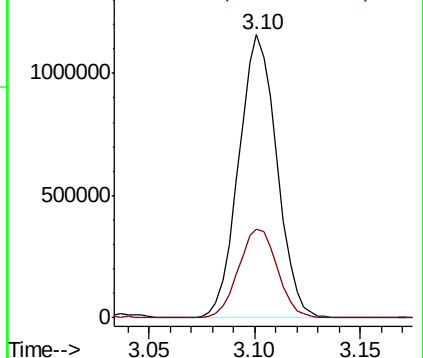
85 100

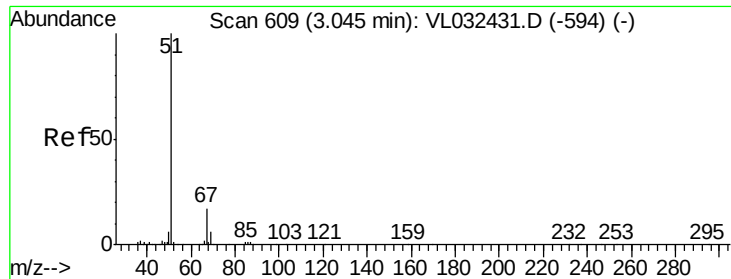
87 31.5 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 8.64 ppbv

RT: 3.04 min Scan# 32

Delta R.T. -0.01 min

Lab File: VL032484.D

Acq: 10 Sep 2018 18:07

Instrument :

MSVOA_L

ClientSampleId :

VL0910ABS01

Tot Ion: 51 Resp: 1226282

Ion Ratio Lower Upper

51 100

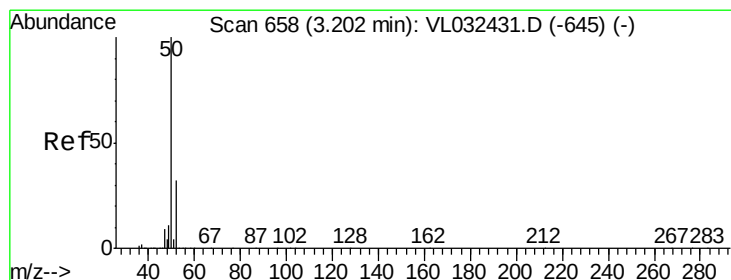
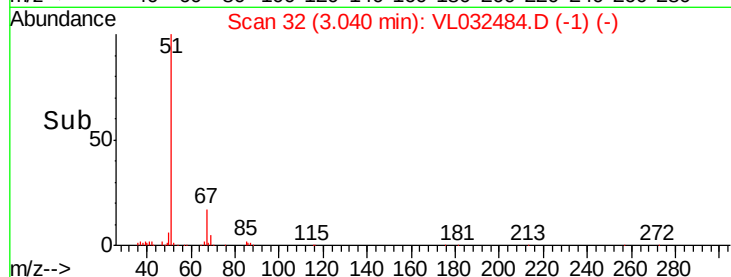
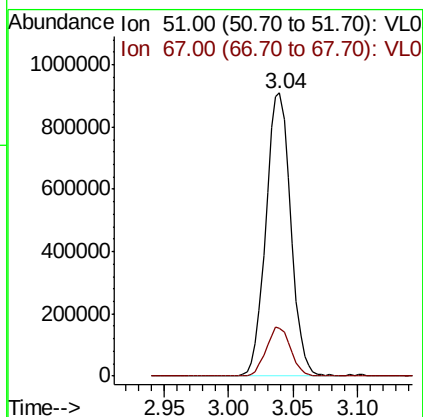
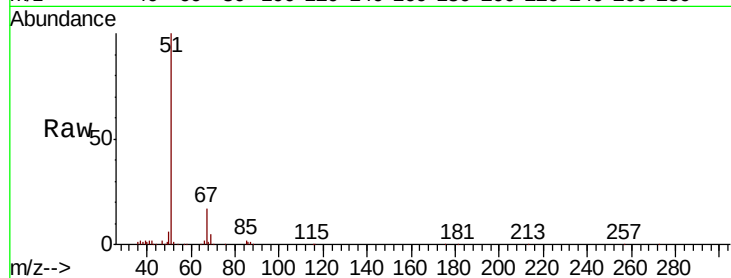
67 17.1 13.8 20.8

Manual Integrations

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#4

Chloromethane

Concen: 8.49 ppbv

RT: 3.19 min Scan# 80

Delta R.T. -0.01 min

Lab File: VL032484.D

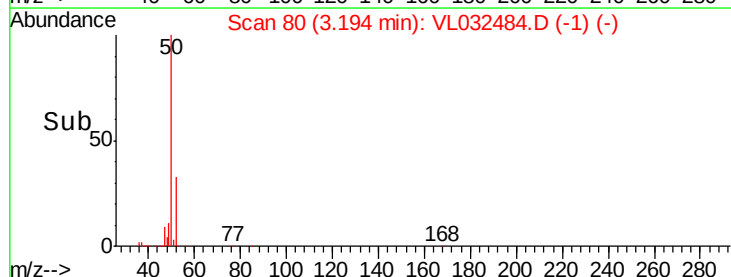
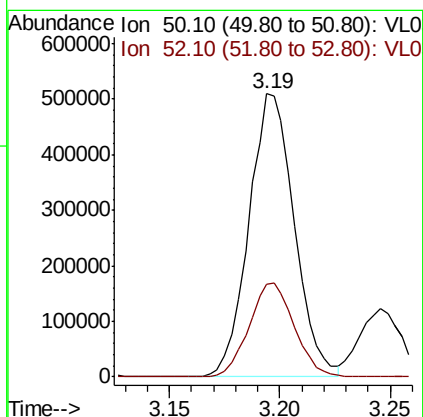
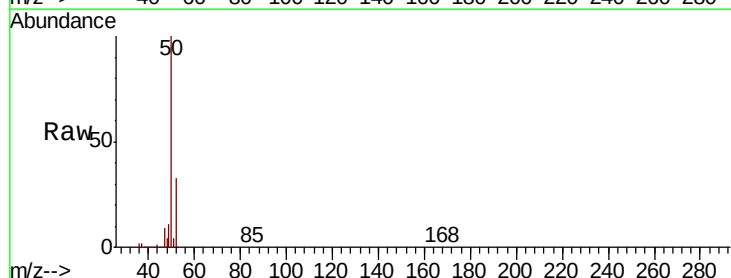
Acq: 10 Sep 2018 18:07

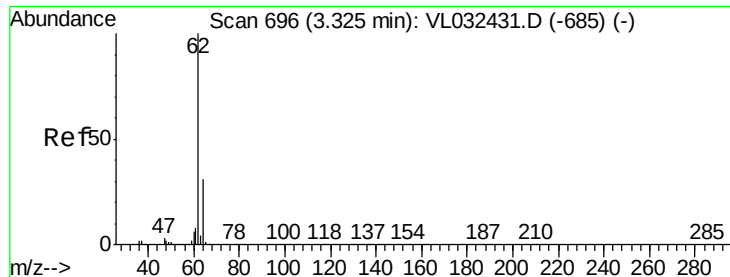
Tgt Ion: 50 Resp: 729260

Ion Ratio Lower Upper

50 100

52 32.6 25.6 38.4





#5

Vinyl Chloride

Concen: 8.09 ppbv

RT: 3.32 min Scan# 118

Delta R.T. -0.01 min

Lab File: VL032484.D

Acq: 10 Sep 2018 18:07

Instrument :

MSVOA_L

ClientSampleId :

VL0910ABS01

Tot Ion: 62 Resp: 686108

Ion Ratio Lower Upper

62 100

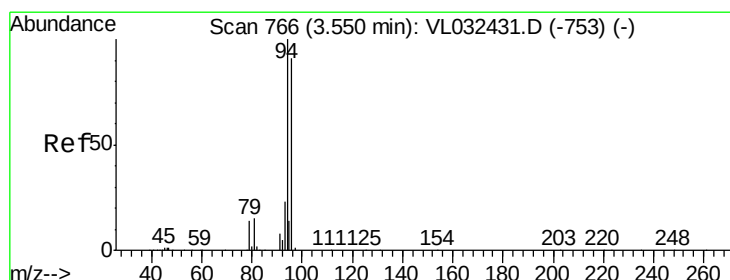
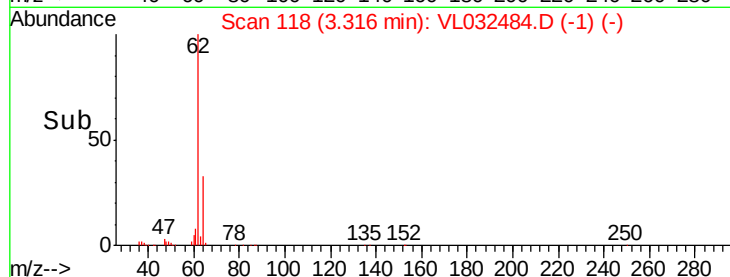
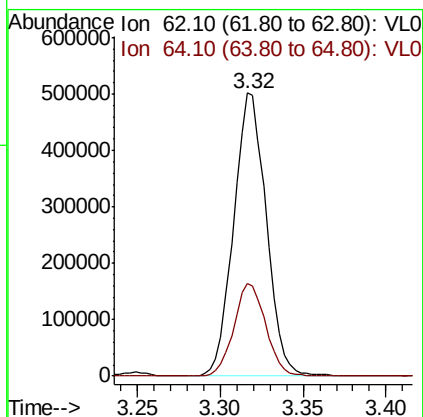
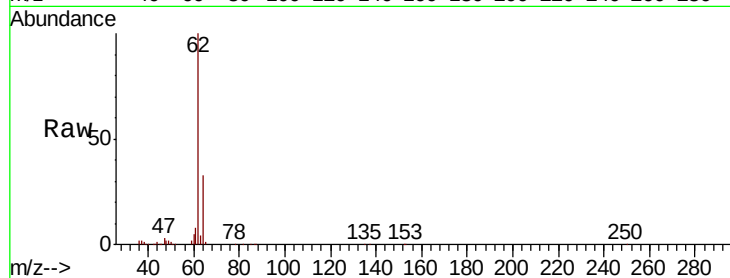
64 32.8 25.0 37.6

Manual Integrations

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#6

Bromomethane

Concen: 8.59 ppbv

RT: 3.54 min Scan# 189

Delta R.T. -0.01 min

Lab File: VL032484.D

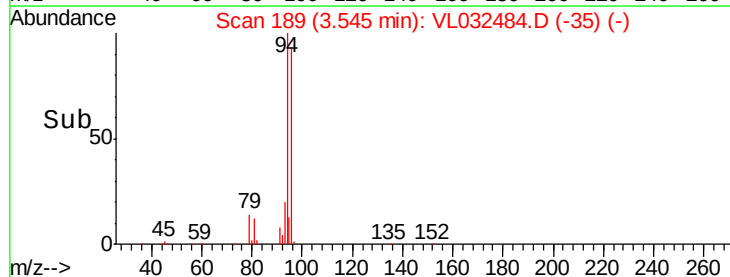
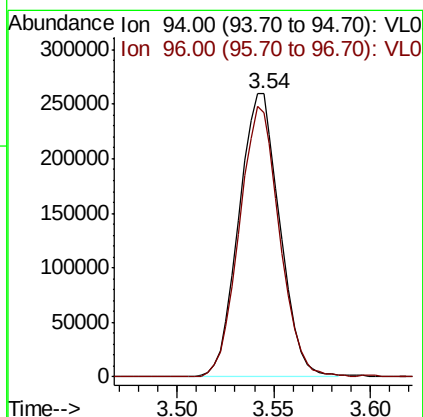
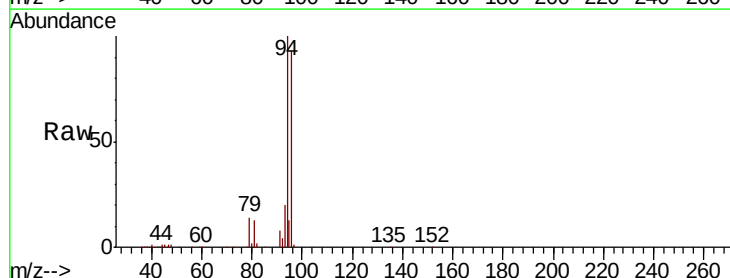
Acq: 10 Sep 2018 18:07

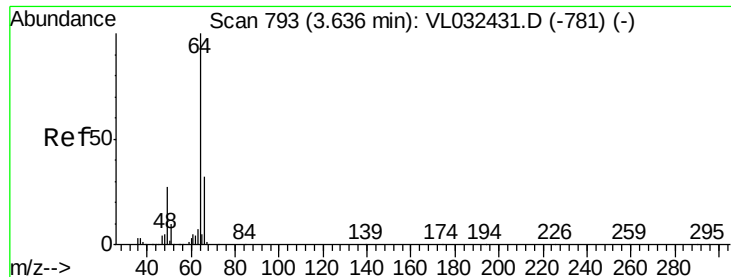
Tgt Ion: 94 Resp: 382457

Ion Ratio Lower Upper

94 100

96 93.2 72.8 109.2





#7

Chloroethane

Concen: 8.62 ppbv

RT: 3.63 min Scan# 215

Delta R.T. -0.01 min

Lab File: VL032484.D

Acq: 10 Sep 2018 18:07

Instrument :

MSVOA_L

ClientSampleId :

VL0910ABS01

Tot Ion: 64 Resp: 253120

Ion Ratio Lower Upper

64 100

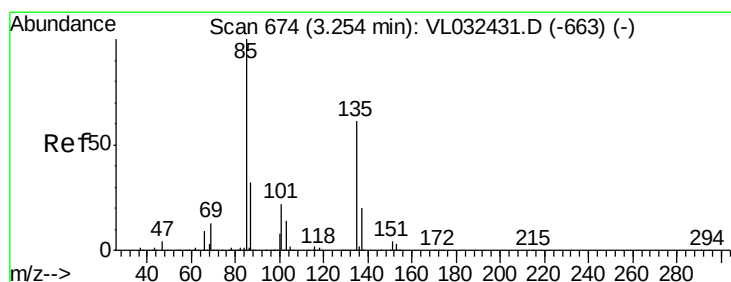
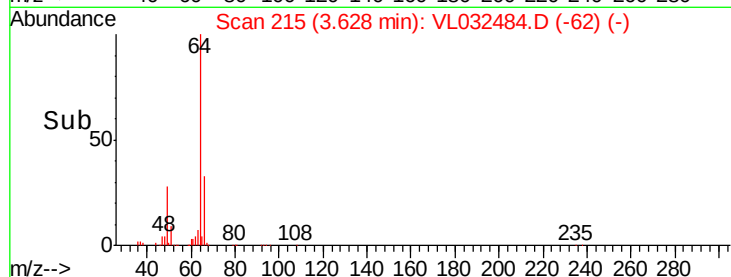
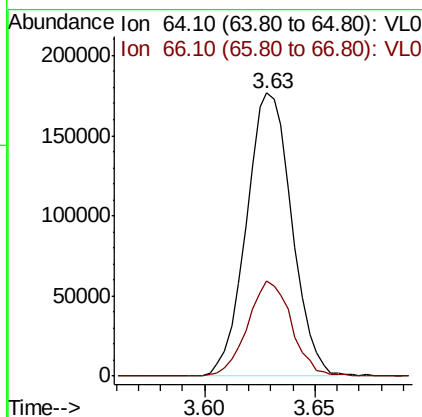
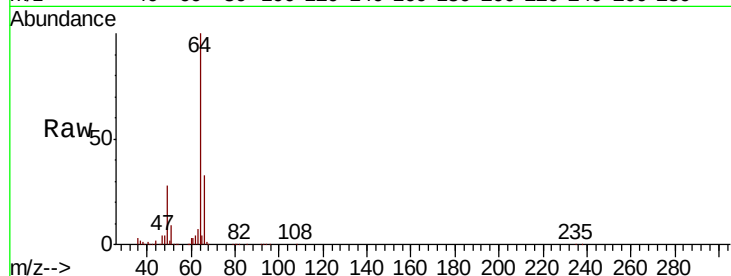
66 33.5 25.8 38.6

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 8.16 ppbv

RT: 3.25 min Scan# 96

Delta R.T. -0.01 min

Lab File: VL032484.D

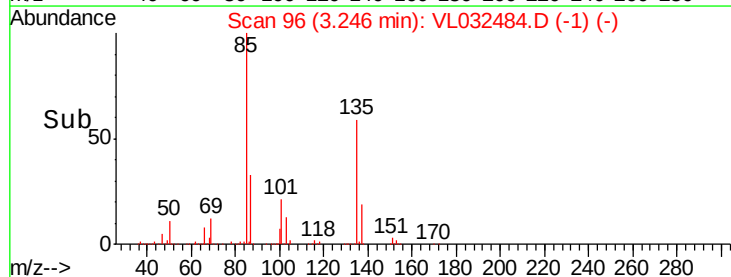
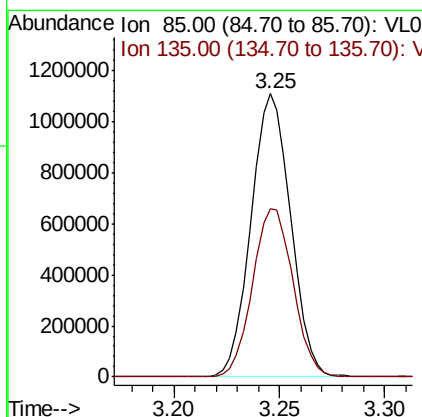
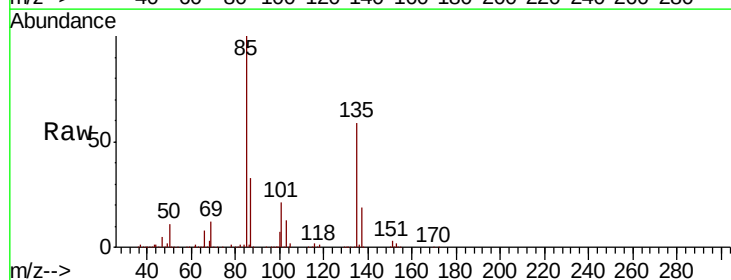
Acq: 10 Sep 2018 18:07

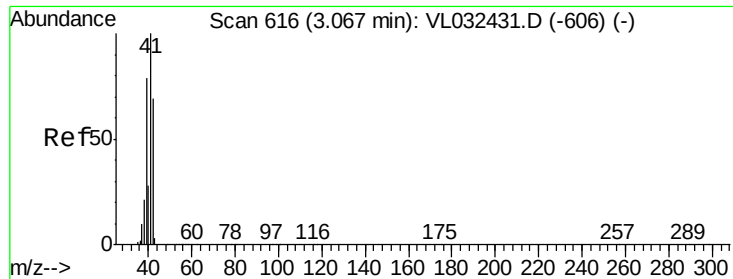
Tgt Ion: 85 Resp: 1451425

Ion Ratio Lower Upper

85 100

135 60.9 48.6 72.8





#9

Propene

Concen: 10.59 ppbv

RT: 3.06 min Scan# 39

Delta R.T. -0.01 min

Lab File: VL032484.D

Acq: 10 Sep 2018 18:07

Instrument :

MSVOA_L

ClientSampleId :

VL0910ABS01

Tot Ion: 41 Resp: 606281

Ion Ratio Lower Upper

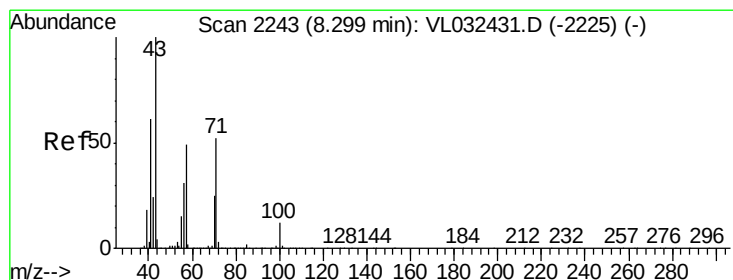
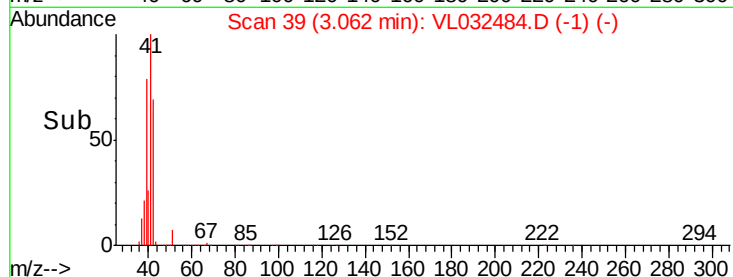
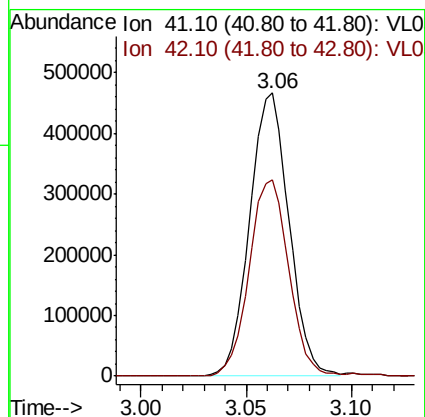
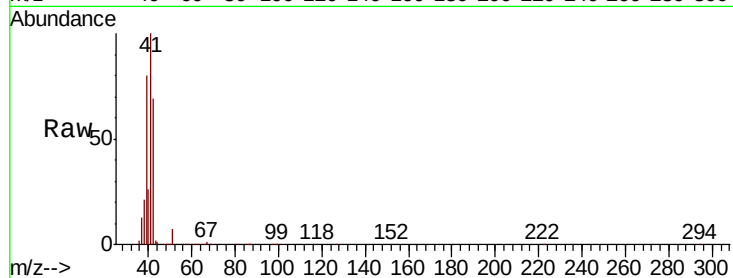
41 100

42 70.6 56.6 84.8

Manual Integrations
APPROVED

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#10

Heptane

Concen: 11.39 ppbv

RT: 8.29 min Scan# 1665

Delta R.T. -0.01 min

Lab File: VL032484.D

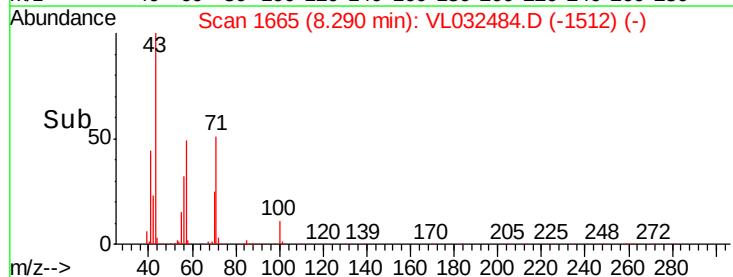
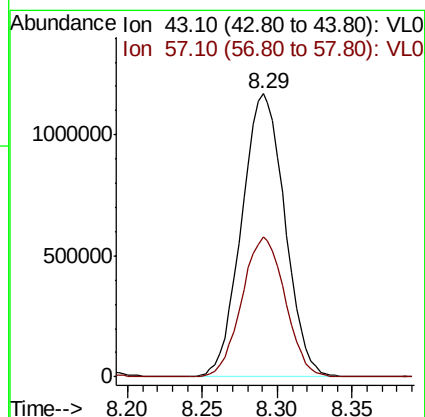
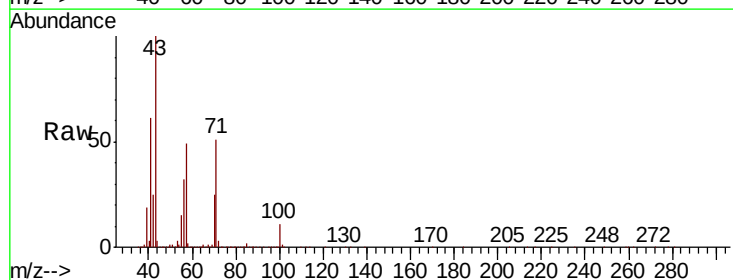
Acq: 10 Sep 2018 18:07

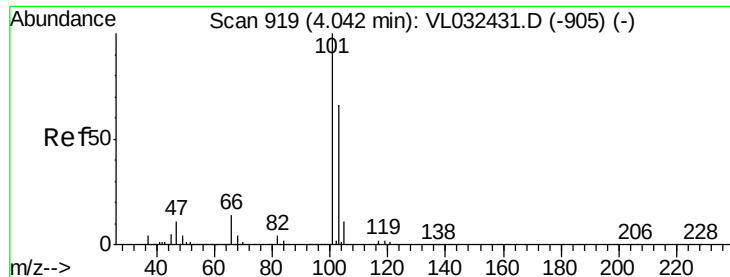
Tgt Ion: 43 Resp: 2338714

Ion Ratio Lower Upper

43 100

57 49.7 39.6 59.4





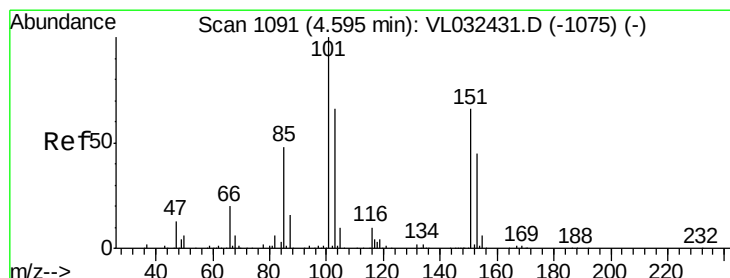
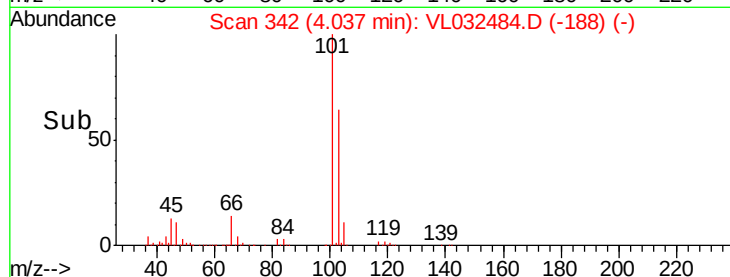
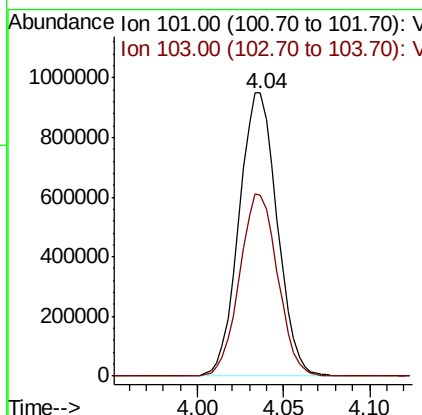
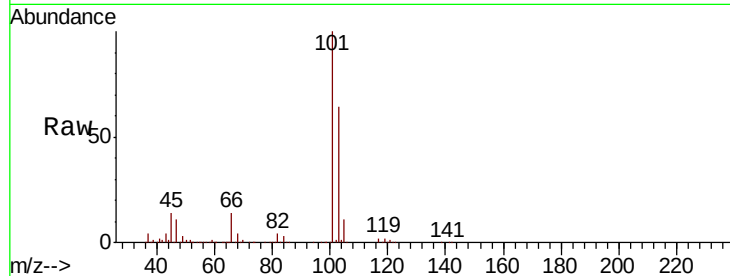
#11
 Trichlorofluoromethane
 Concen: 8.10 ppbv
 RT: 4.04 min Scan# 342
 Delta R.T. -0.01 min
 Lab File: VL032484.D
 Acq: 10 Sep 2018 18:07

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0910ABS01

Tot Ion:101 Resp: 1463642
 Ion Ratio Lower Upper
 101 100
 103 64.0 52.8 79.2

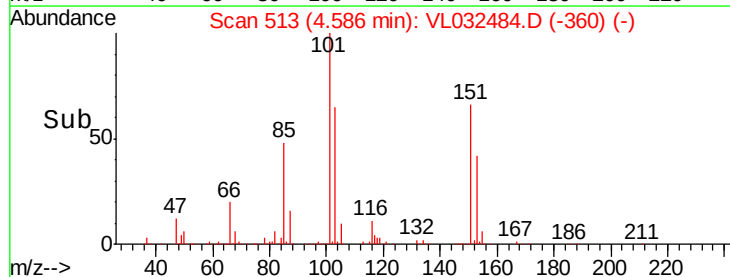
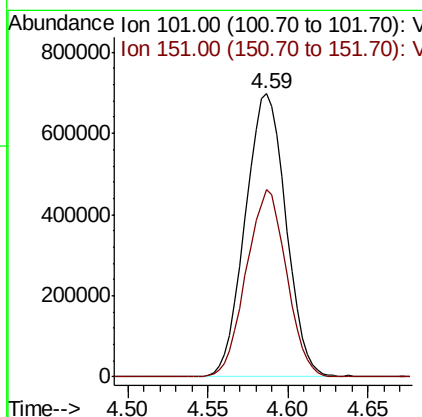
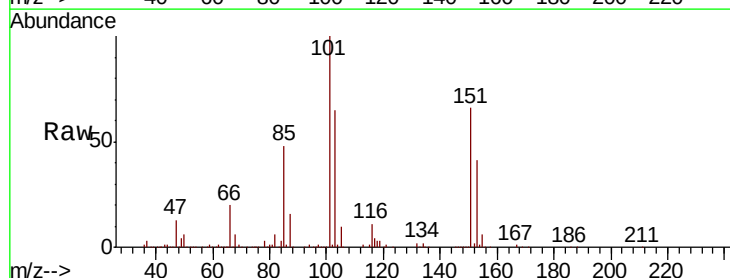
Manual Integrations
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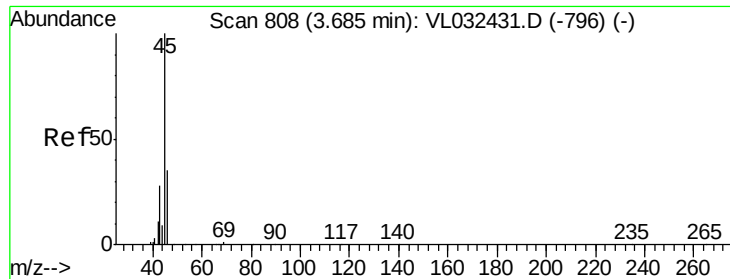
MMDadoda
 9/12/2018 3:59:34 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.95 ppbv
 RT: 4.59 min Scan# 513
 Delta R.T. -0.01 min
 Lab File: VL032484.D
 Acq: 10 Sep 2018 18:07

Tgt Ion:101 Resp: 1218657
 Ion Ratio Lower Upper
 101 100
 151 65.5 52.6 78.8





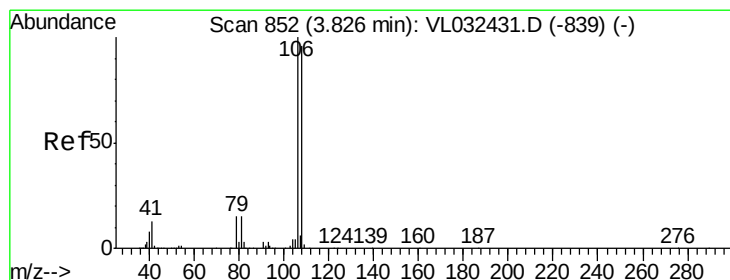
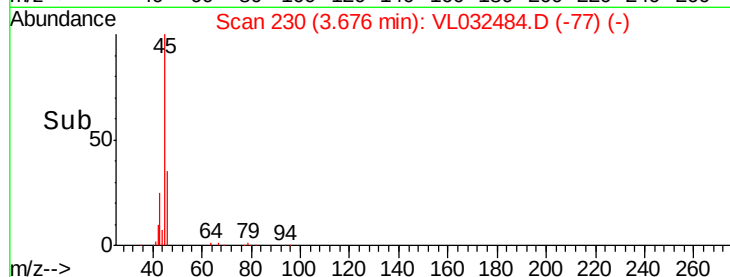
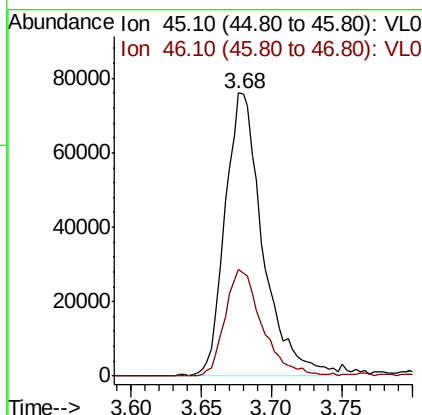
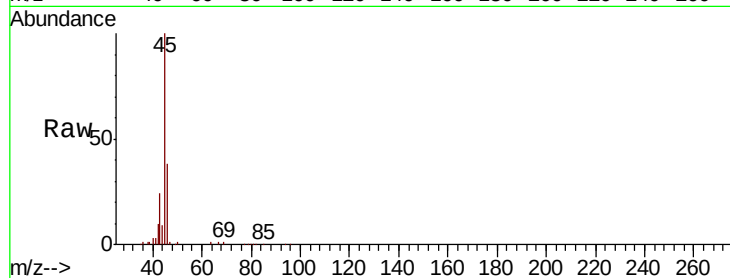
#13
Ethanol
Concen: 7.97 ppbv
RT: 3.68 min Scan# 230
Delta R.T. -0.01 min
Lab File: VL032484.D
Acq: 10 Sep 2018 18:07

Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

Tot Ion	Ratio	Lower	Upper
45	100		
46	37.1	14.2	56.8

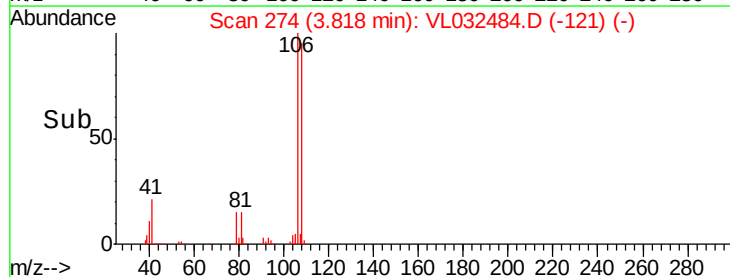
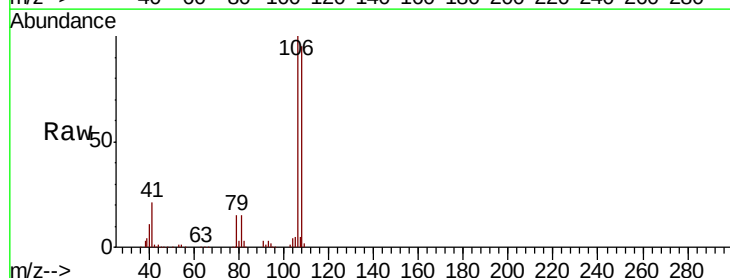
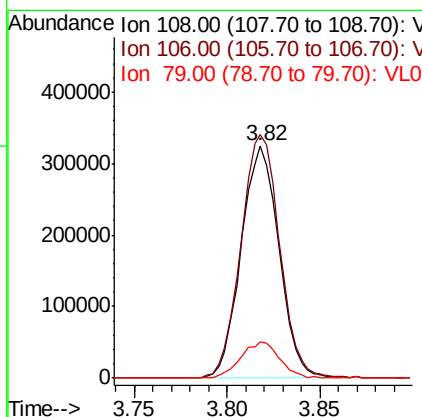
Manual Integrations
APPROVED

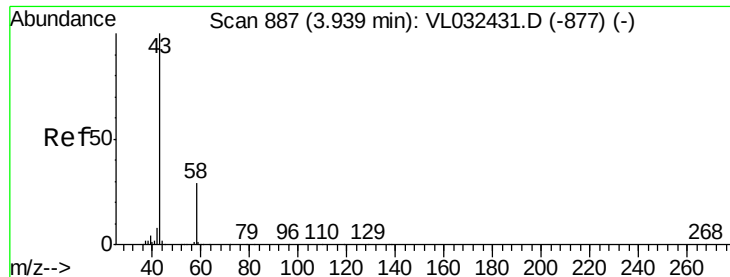
MMDadoda
9/12/2018 3:59:34 PM



#14
Bromoethene
Concen: 8.90 ppbv
RT: 3.82 min Scan# 274
Delta R.T. -0.01 min
Lab File: VL032484.D
Acq: 10 Sep 2018 18:07

Tgt Ion	Ratio	Lower	Upper
108	100		
106	107.6	85.5	128.3
79	16.4	13.0	19.6





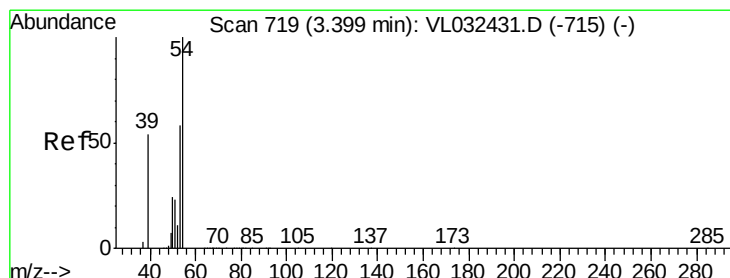
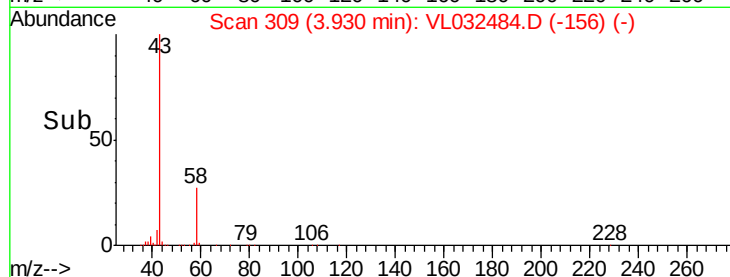
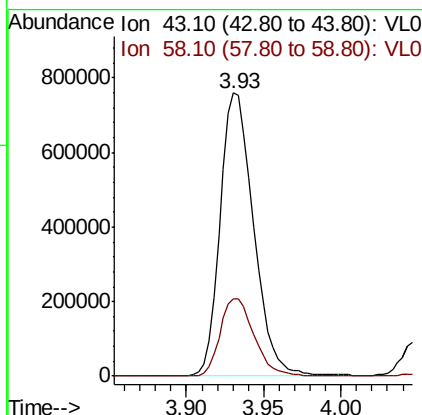
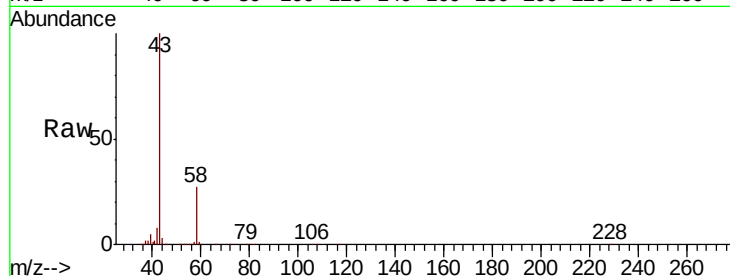
#15
Acetone
Concen: 8.07 ppbv
RT: 3.93 min Scan# 309
Delta R.T. -0.01 min
Lab File: VL032484.D
Acq: 10 Sep 2018 18:07

Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

Tot Ion: 43 Resp: 1139020
Ion Ratio Lower Upper
43 100
58 27.9 22.6 33.8

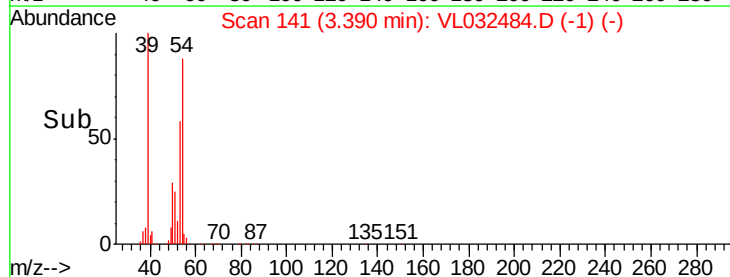
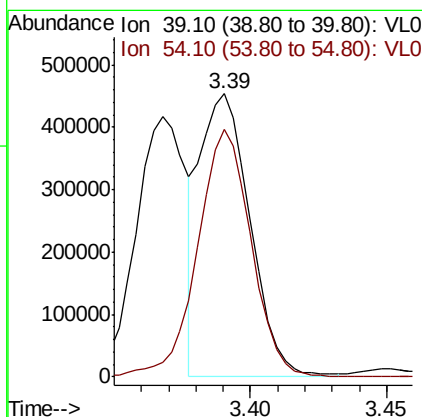
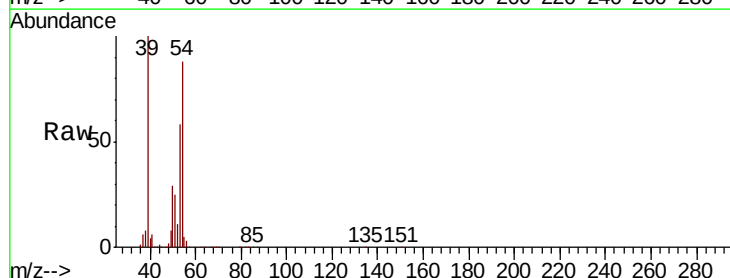
Manual Integrations
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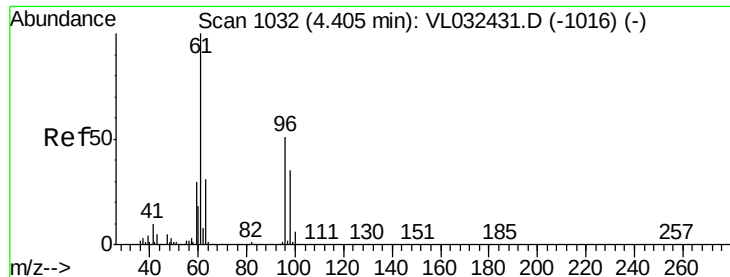
MMDadoda
9/12/2018 3:59:34 PM



#16
1,3-Butadiene
Concen: 8.67 ppbv
RT: 3.39 min Scan# 141
Delta R.T. -0.01 min
Lab File: VL032484.D
Acq: 10 Sep 2018 18:07

Tgt Ion: 39 Resp: 575668
Ion Ratio Lower Upper
39 100
54 94.4 80.8 121.2





#17

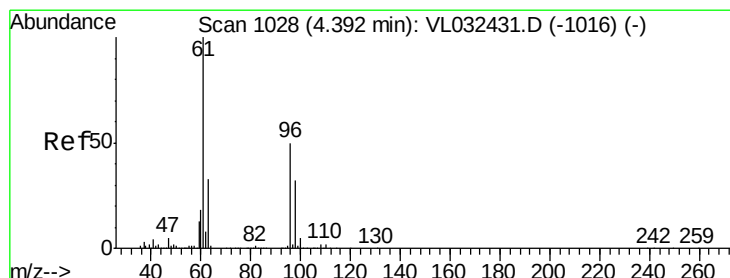
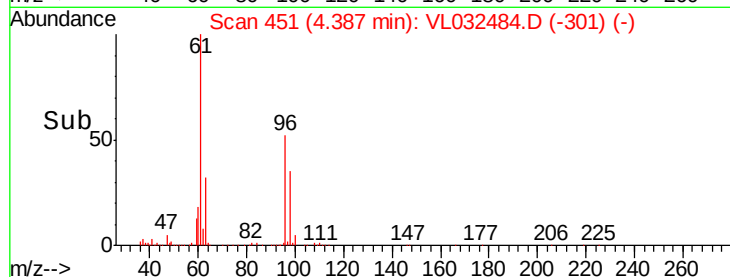
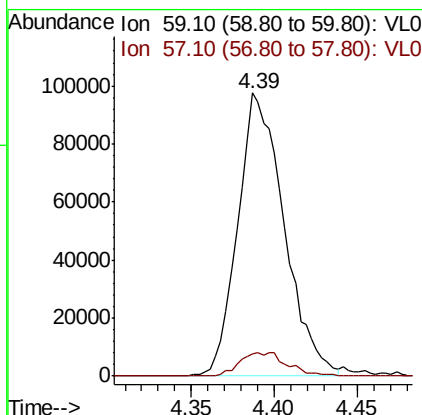
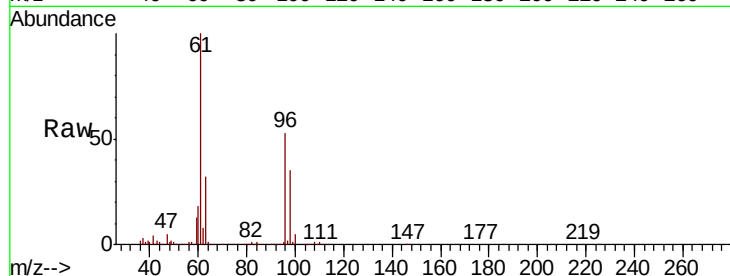
tert-Butyl alcohol
Concen: 8.74 ppbv
RT: 4.39 min Scan# 451
Delta R.T. -0.02 min
Lab File: VL032484.D
Acq: 10 Sep 2018 18:07

Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.7	0.0	0.0#

Manual Integrations
APPROVED

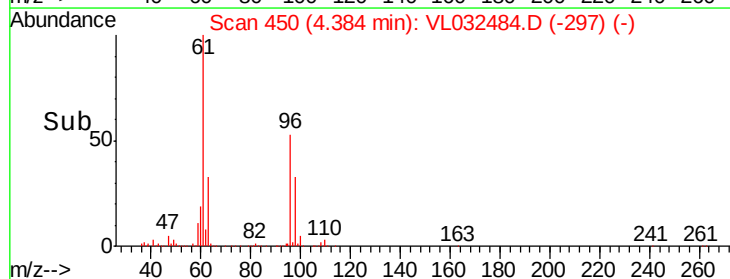
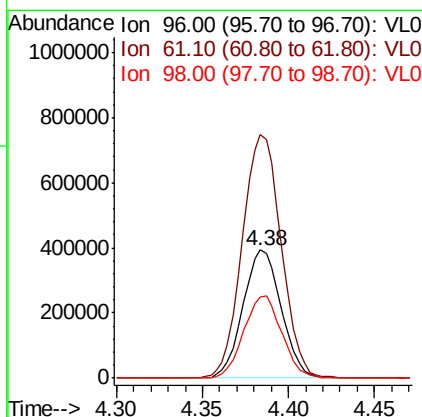
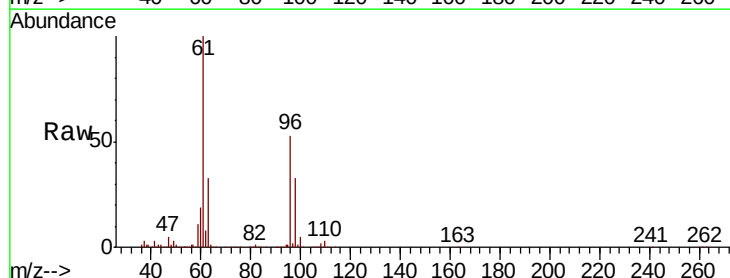
MMDadoda
9/12/2018 3:59:34 PM

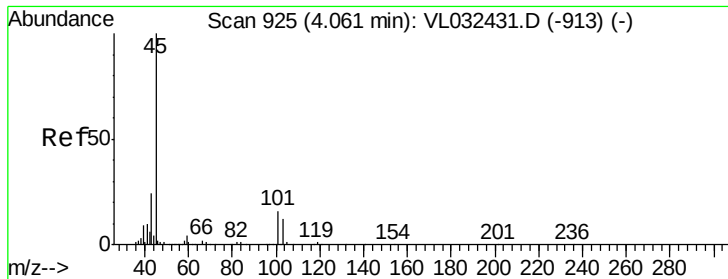


#18

1,1-Dichloroethene
Concen: 10.82 ppbv
RT: 4.38 min Scan# 450
Delta R.T. -0.01 min
Lab File: VL032484.D
Acq: 10 Sep 2018 18:07

Tgt Ion	Ratio	Lower	Upper
96	100		
61	189.8	159.2	238.8
98	63.1	51.0	76.4





#19

Isopropyl Alcohol

Concen: 9.58 ppbv

RT: 4.05 min Scan# 347

Delta R.T. -0.01 min

Lab File: VL032484.D

Acq: 10 Sep 2018 18:07

Instrument :

MSVOA_L

ClientSampleId :

VL0910ABS01

Tot Ion: 45 Resp: 887273

Ion Ratio Lower Upper

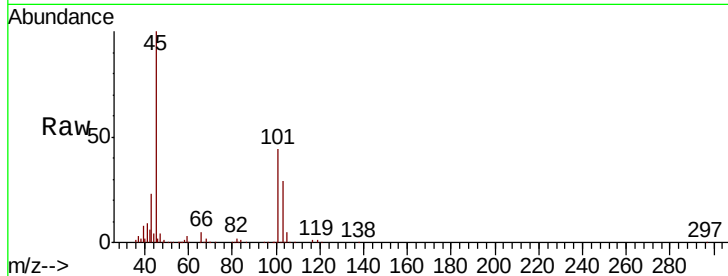
45 100

58 1.7 2.0 3.0#

Manual Integrations
APPROVED

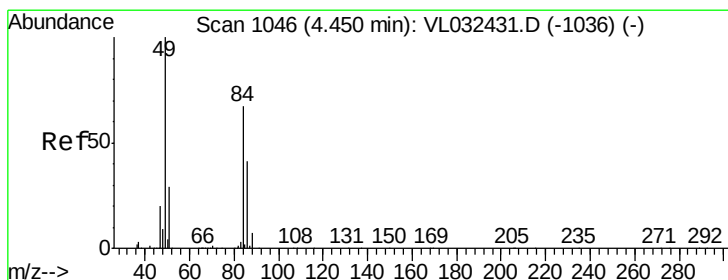
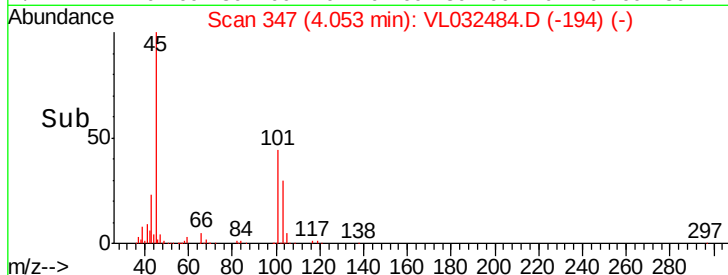
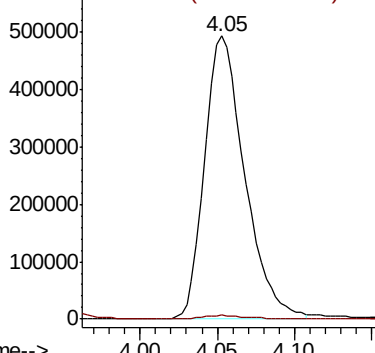
MMDadoda

9/12/2018 3:59:34 PM



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 10.04 ppbv

RT: 4.44 min Scan# 468

Delta R.T. -0.01 min

Lab File: VL032484.D

Acq: 10 Sep 2018 18:07

Tgt Ion: 84 Resp: 540114

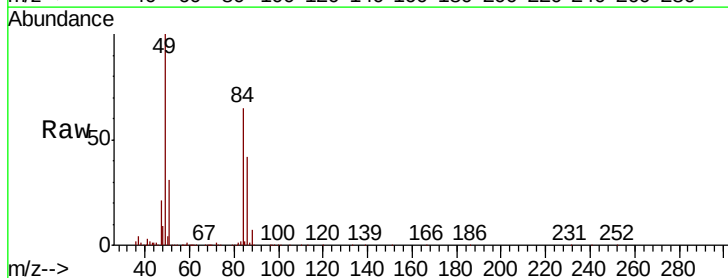
Ion Ratio Lower Upper

84 100

49 154.5 119.1 178.7

51 47.4 35.2 52.8

86 64.7 49.4 74.2

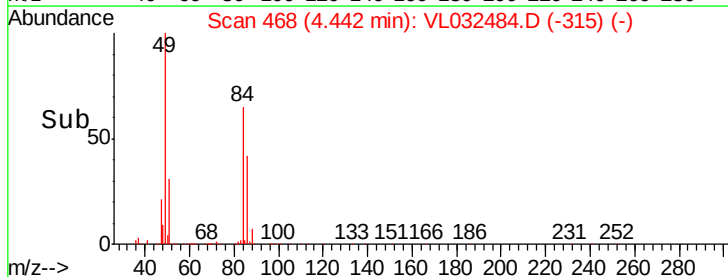
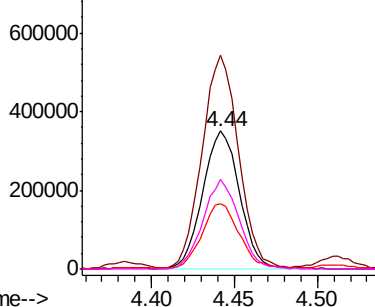


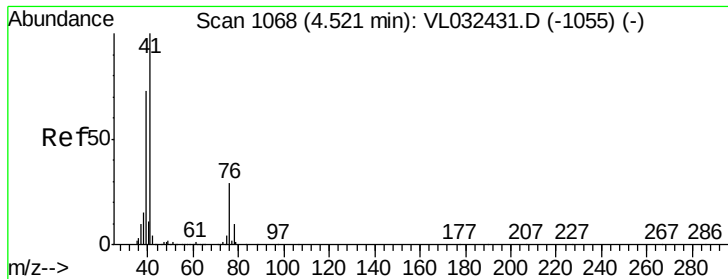
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0





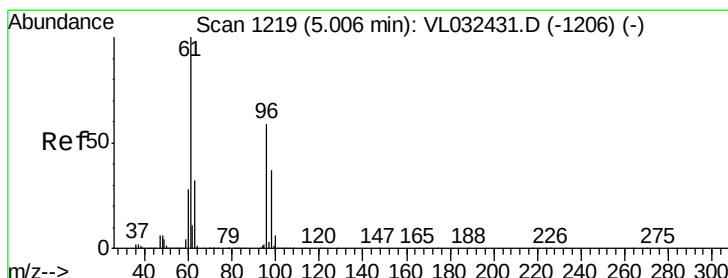
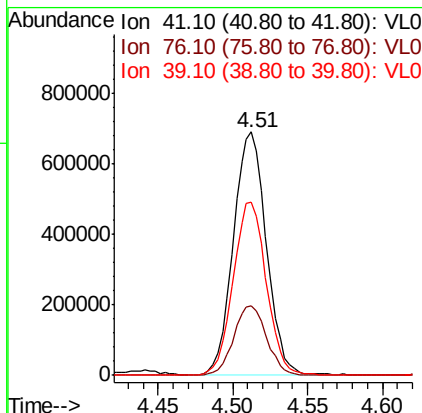
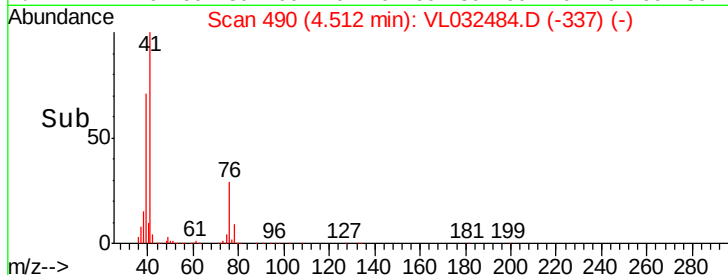
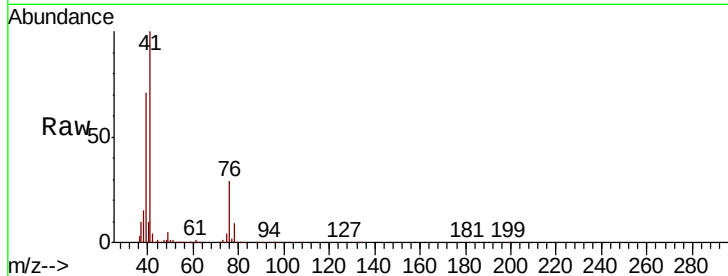
#21
Allvl Chloride
Concen: 11.23 ppbv
RT: 4.51 min Scan# 490
Delta R.T. -0.01 min
Lab File: VL032484.D
Acq: 10 Sep 2018 18:07

Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

Tot Ion: 41 Resp: 1053140
Ion Ratio Lower Upper
41 100
76 28.9 23.6 35.4
39 71.8 57.7 86.5

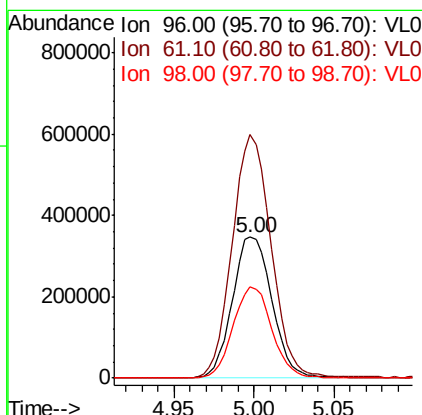
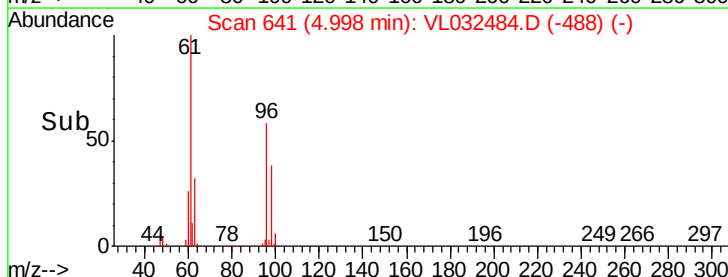
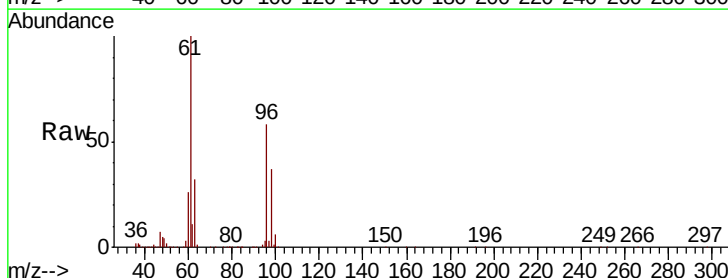
Manual Integrations
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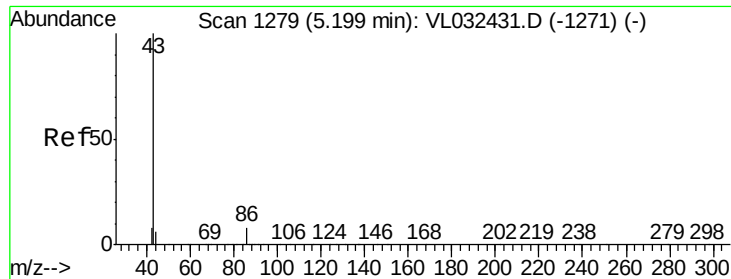
MMDadoda
9/12/2018 3:59:34 PM



#22
trans-1,2-Dichloroethene
Concen: 9.63 ppbv
RT: 5.00 min Scan# 641
Delta R.T. -0.01 min
Lab File: VL032484.D
Acq: 10 Sep 2018 18:07

Tgt Ion: 96 Resp: 585091
Ion Ratio Lower Upper
96 100
61 172.9 136.2 204.4
98 64.7 50.4 75.6





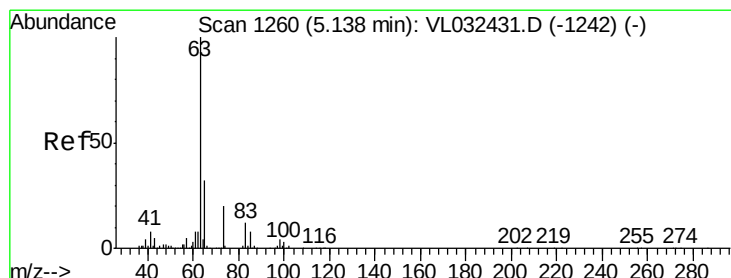
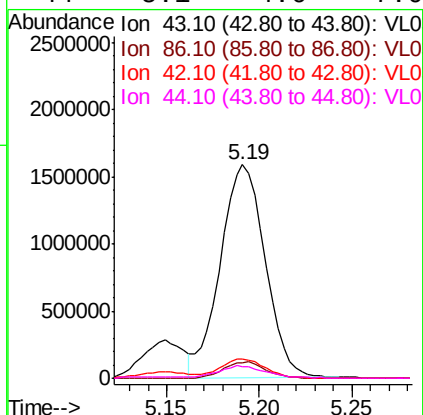
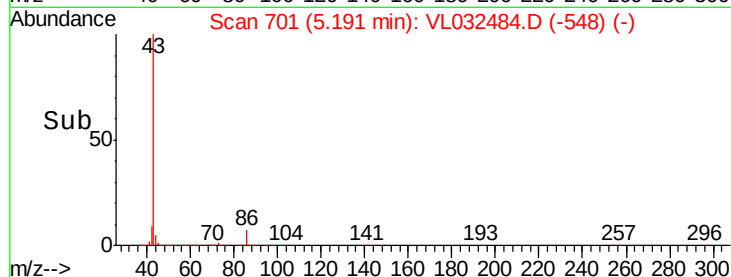
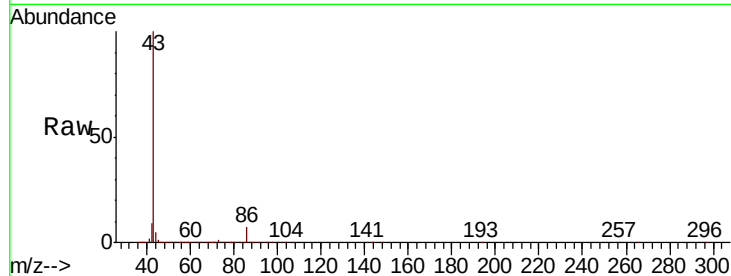
#23
 Vinyl Acetate
 Concen: 11.38 ppbv
 RT: 5.19 min Scan# 701
 Delta R.T. -0.01 min
 Lab File: VL032484.D
 Acq: 10 Sep 2018 18:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0910ABS01

Tot Ion	43	Resp	2662300
Ion	Ratio	Lower	Upper
43	100		
86	7.5	5.9	8.9
42	8.9	6.9	10.3
44	5.1	4.6	7.0

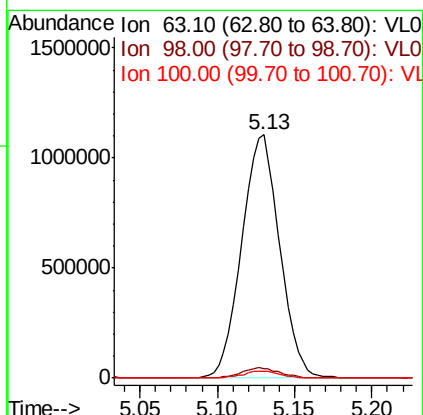
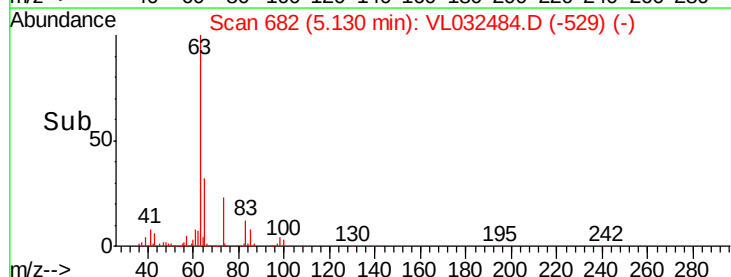
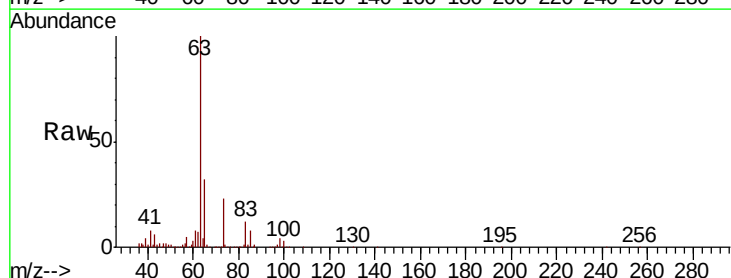
Manual Integrations
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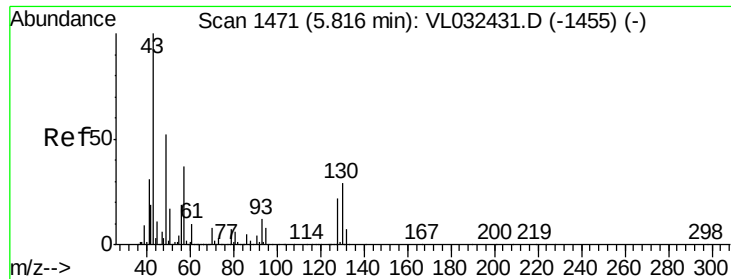
MMDadoda
 9/12/2018 3:59:34 PM



#24
 1,1-Dichloroethane
 Concen: 9.77 ppbv
 RT: 5.13 min Scan# 682
 Delta R.T. -0.01 min
 Lab File: VL032484.D
 Acq: 10 Sep 2018 18:07

Tgt Ion	63	Resp	1884249
Ion	Ratio	Lower	Upper
63	100		
98	3.8	2.1	6.5
100	2.7	1.5	4.4





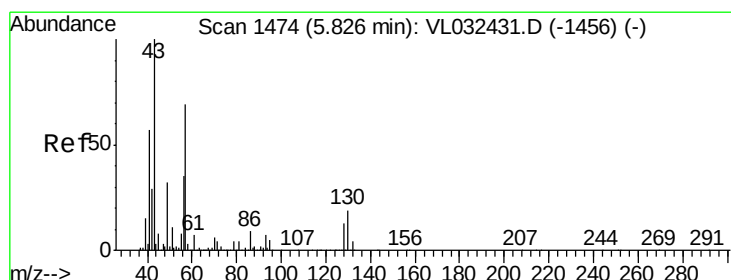
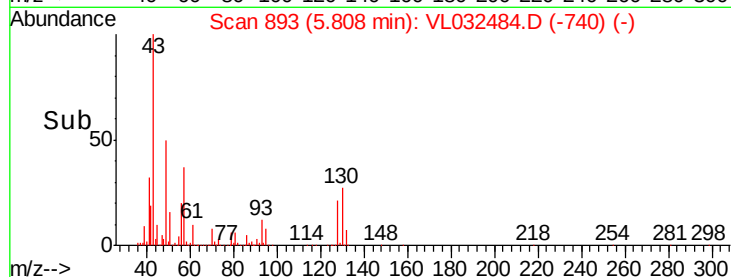
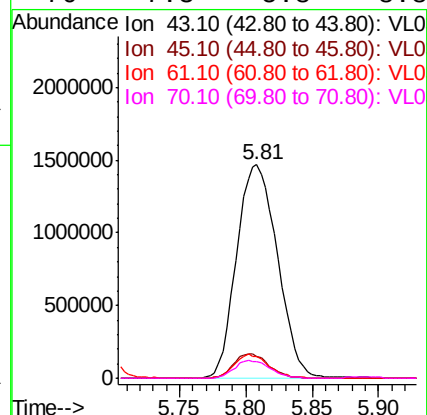
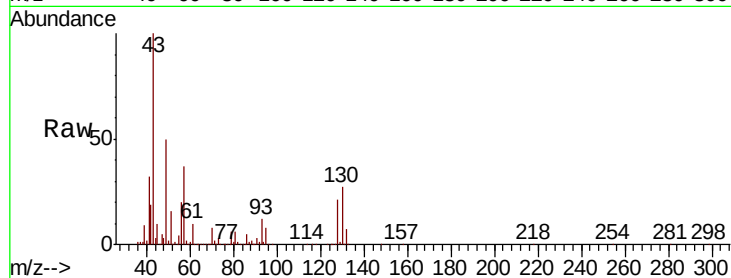
#25
Ethyl Acetate
Concen: 9.42 ppbv
RT: 5.81 min Scan# 893
Delta R.T. -0.01 min
Lab File: VL032484.D
Acq: 10 Sep 2018 18:07

Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

Tot Ion	43	Resp	3139700
Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.0	12.0
61	9.7	7.6	11.4
70	7.3	5.8	8.8

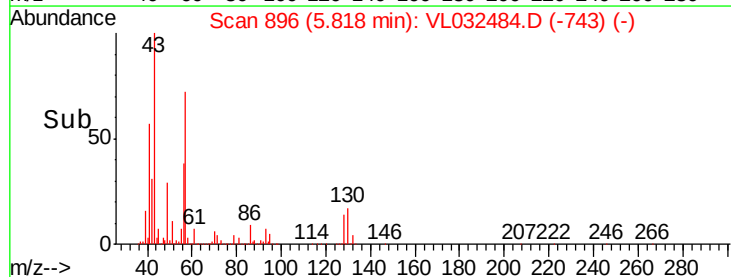
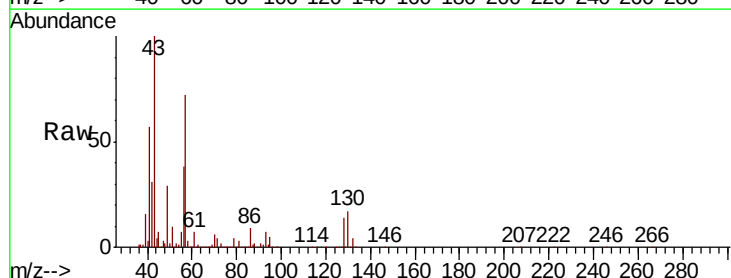
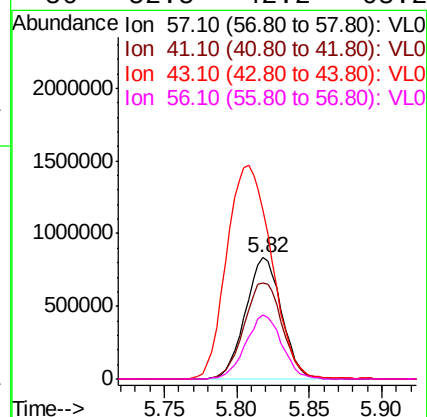
Manual Integrations
APPROVED

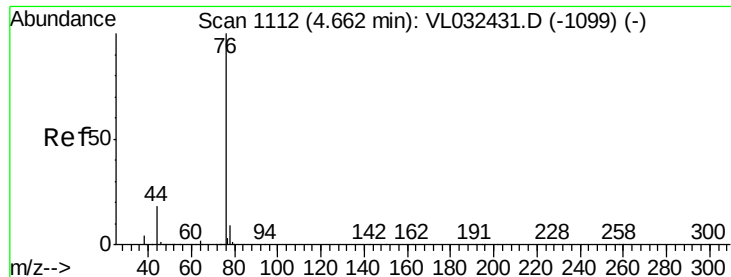
MMDadoda
9/12/2018 3:59:34 PM



#26
Hexane
Concen: 9.72 ppbv
RT: 5.82 min Scan# 896
Delta R.T. -0.01 min
Lab File: VL032484.D
Acq: 10 Sep 2018 18:07

Tgt Ion	57	Resp	1450201
Ion	Ratio	Lower	Upper
57	100		
41	85.1	69.0	103.4
43	217.2	172.1	258.1
56	52.5	42.2	63.2





#27

Carbon Disulfide

Concen: 11.04 ppbv

RT: 4.65 min Scan# 534

Delta R.T. -0.01 min

Lab File: VL032484.D

Acq: 10 Sep 2018 18:07

Instrument :

MSVOA_L

ClientSampleId :

VL0910ABS01

Tot Ion: 76 Resp: 1521539

Ion Ratio Lower Upper

76 100

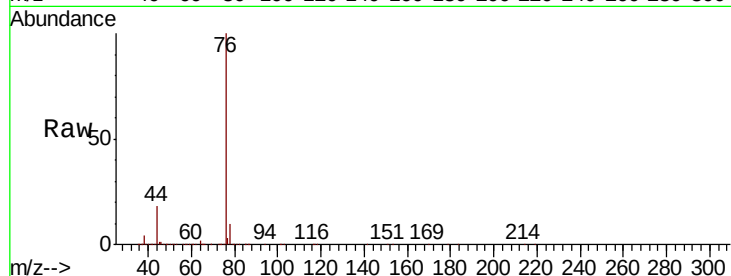
44 18.0 14.0 21.0

78 9.7 7.5 11.3

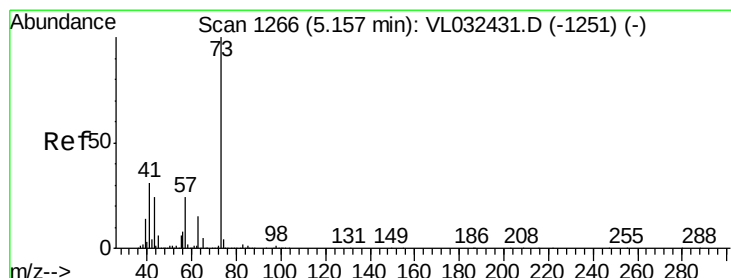
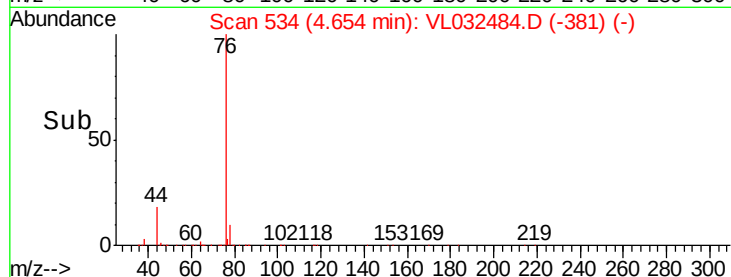
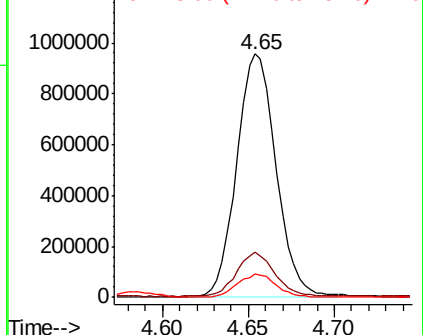
Manual Integrations
APPROVED

MMDadoda

9/12/2018 3:59:34 PM



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: 11.22 ppbv

RT: 5.15 min Scan# 687

Delta R.T. -0.01 min

Lab File: VL032484.D

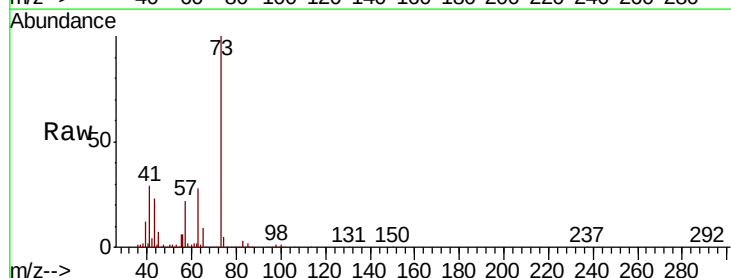
Acq: 10 Sep 2018 18:07

Tgt Ion: 73 Resp: 2055361

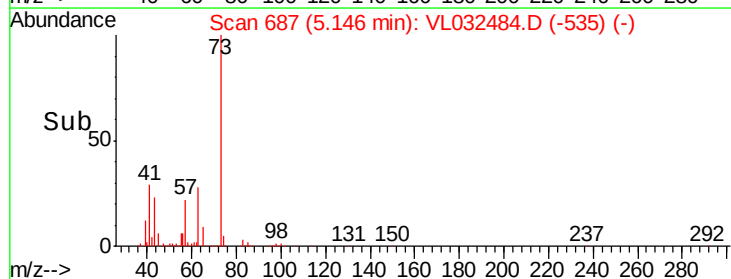
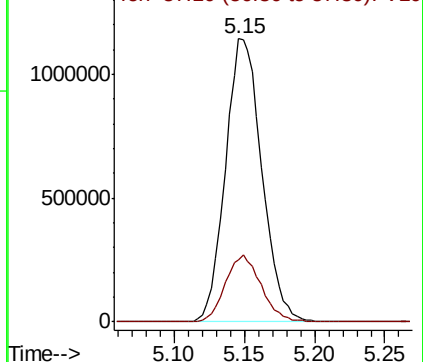
Ion Ratio Lower Upper

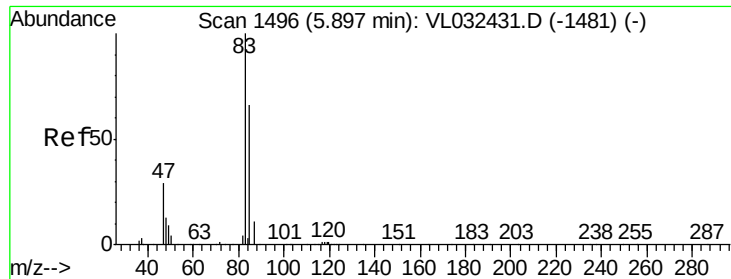
73 100

57 23.4 19.3 28.9



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





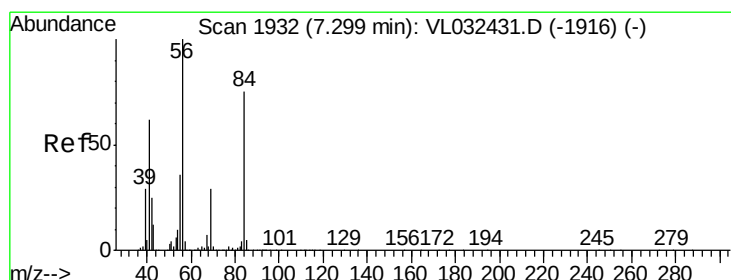
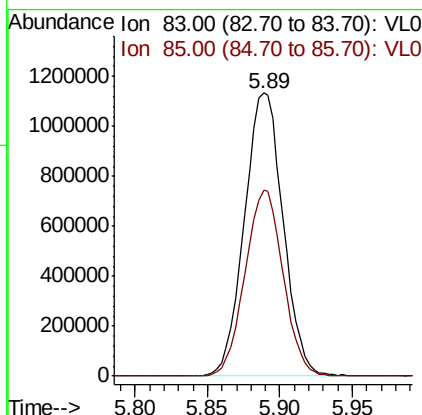
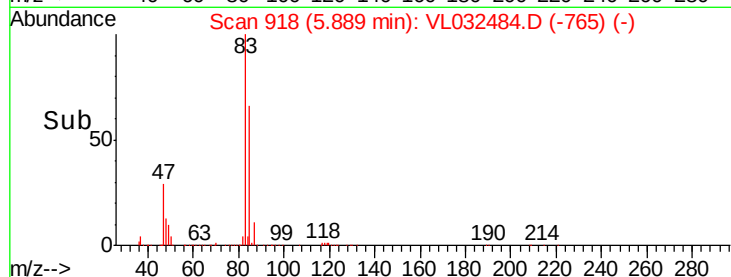
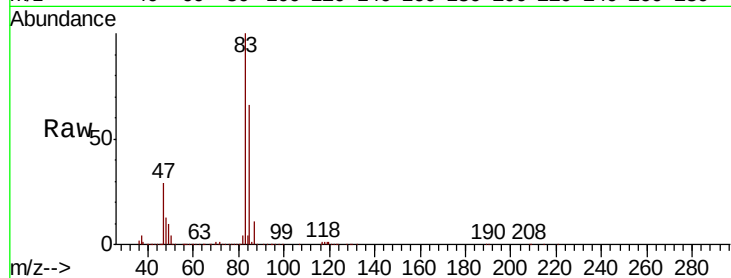
#29
Chloroform
Concen: 9.26 ppbv
RT: 5.89 min Scan# 918
Delta R.T. -0.01 min
Lab File: VL032484.D
Acq: 10 Sep 2018 18:07

Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

Tot Ion: 83 Resp: 2108064
Ion Ratio Lower Upper
83 100
85 65.4 52.5 78.7

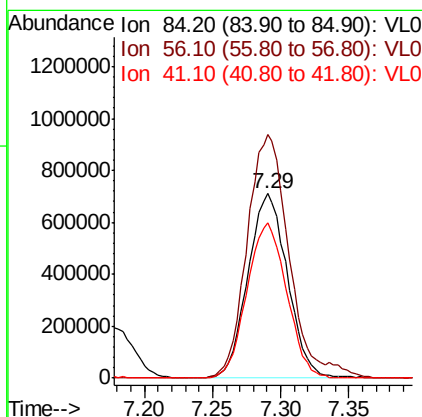
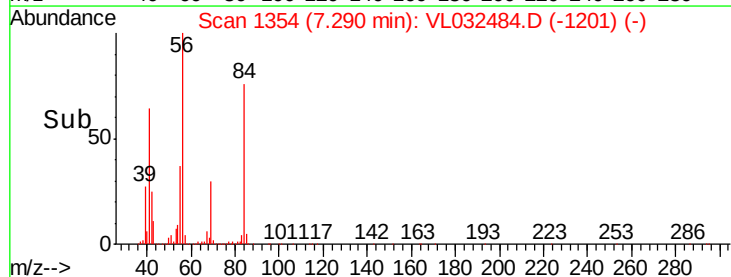
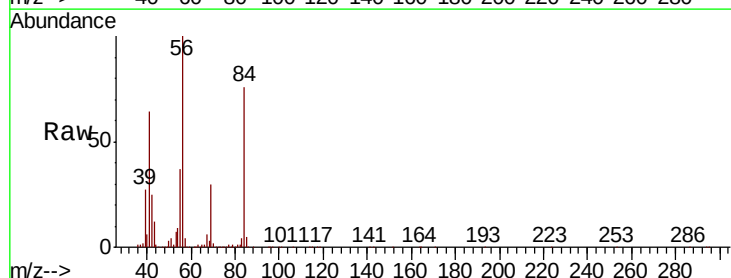
Manual Integrations
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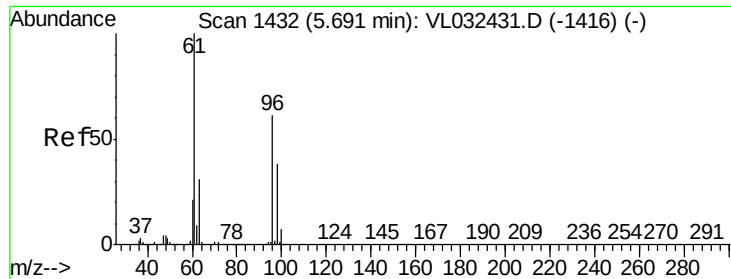
MMDadoda
9/12/2018 3:59:34 PM



#30
Cyclohexane
Concen: 13.06 ppbv
RT: 7.29 min Scan# 1354
Delta R.T. -0.01 min
Lab File: VL032484.D
Acq: 10 Sep 2018 18:07

Tgt Ion: 84 Resp: 1427716
Ion Ratio Lower Upper
84 100
56 141.0 113.5 170.3
41 84.7 68.1 102.1





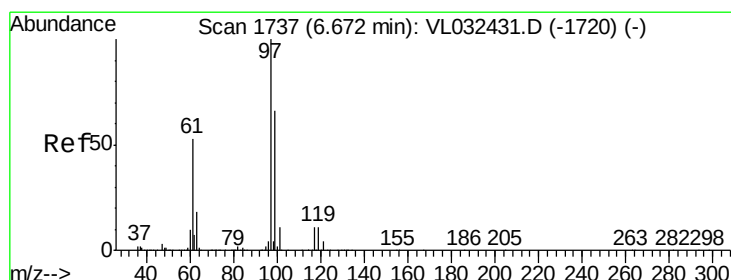
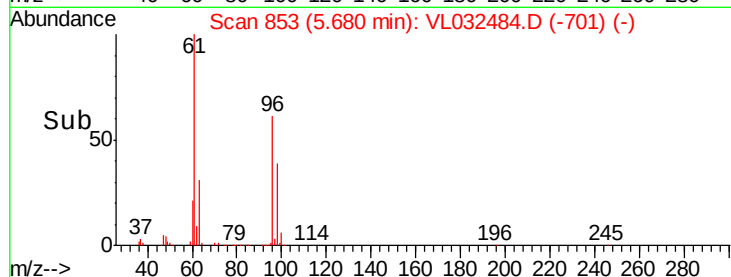
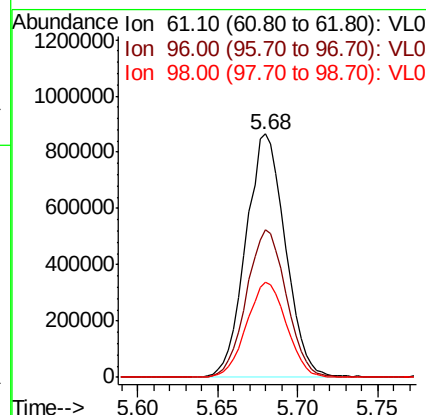
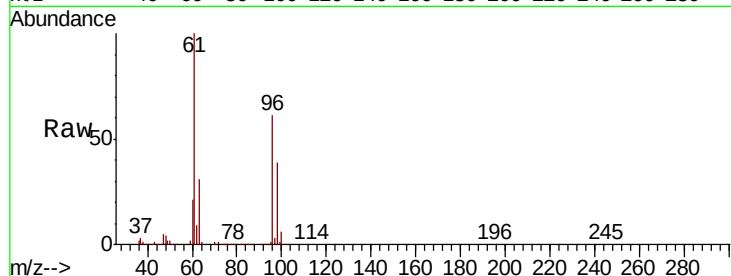
#31
 cis-1,2-Dichloroethene
 Concen: 10.80 ppbv
 RT: 5.68 min Scan# 853
 Delta R.T. -0.01 min
 Lab File: VL032484.D
 Acq: 10 Sep 2018 18:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0910ABS01

Tot Ion	Ratio	Lower	Upper
61	100		
96	60.7	49.2	73.8
98	39.1	30.7	46.1

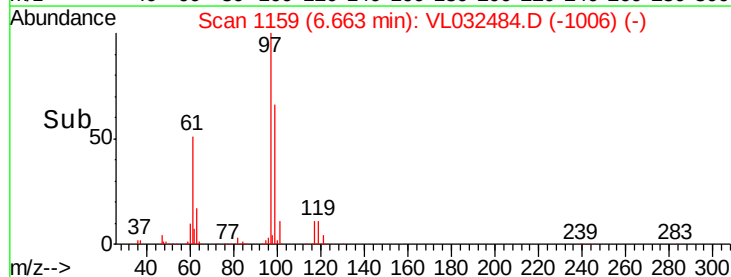
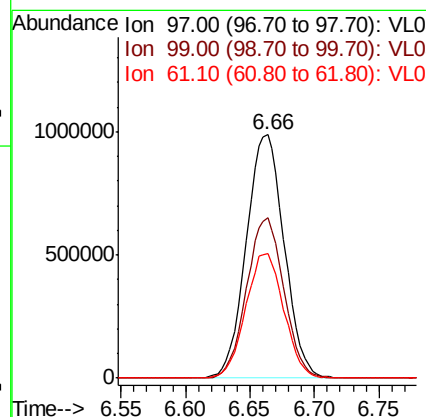
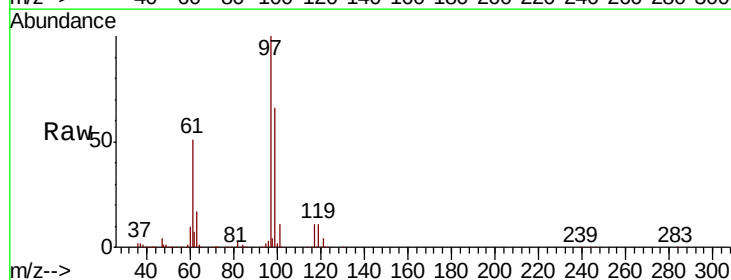
Manual Integrations
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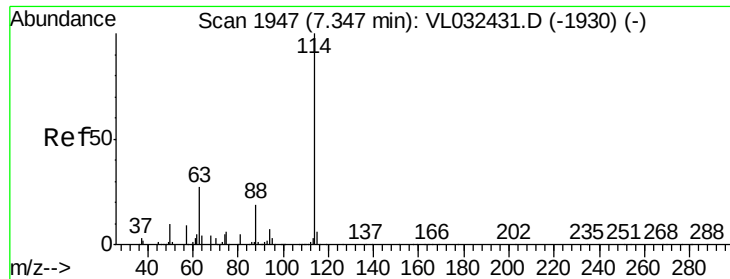
MMDadoda
 9/12/2018 3:59:34 PM



#32
 1,1,1-Trichloroethane
 Concen: 9.55 ppbv
 RT: 6.66 min Scan# 1159
 Delta R.T. -0.01 min
 Lab File: VL032484.D
 Acq: 10 Sep 2018 18:07

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	52.1	78.1
61	51.5	42.5	63.7





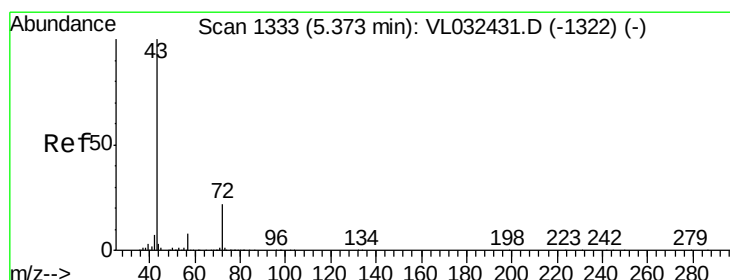
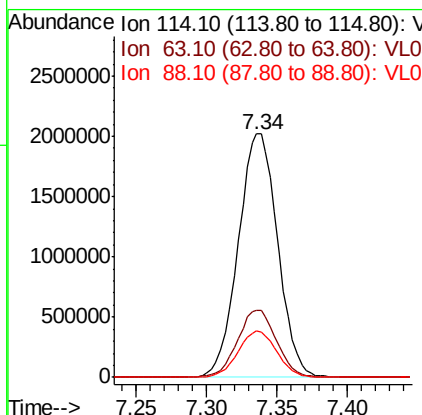
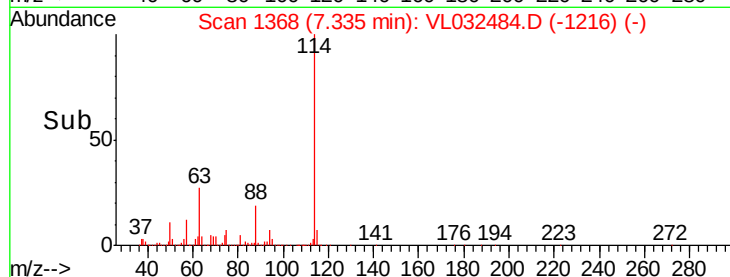
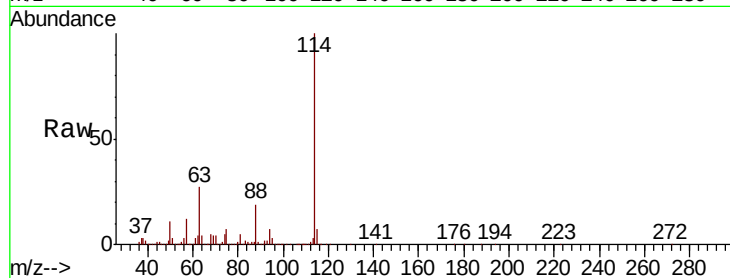
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.34 min Scan# 1368
 Delta R.T. -0.01 min
 Lab File: VL032484.D
 Acq: 10 Sep 2018 18:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0910ABS01

Tot Ion:114 Resp: 3944410
 Ion Ratio Lower Upper
 114 100
 63 27.6 22.2 33.4
 88 18.8 15.0 22.4

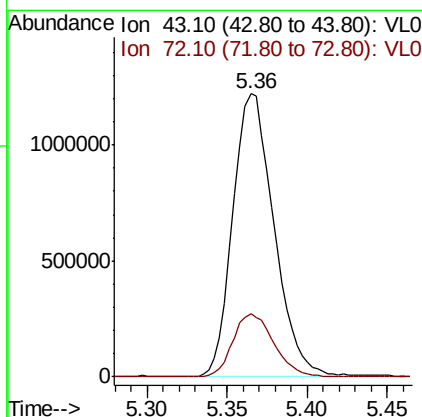
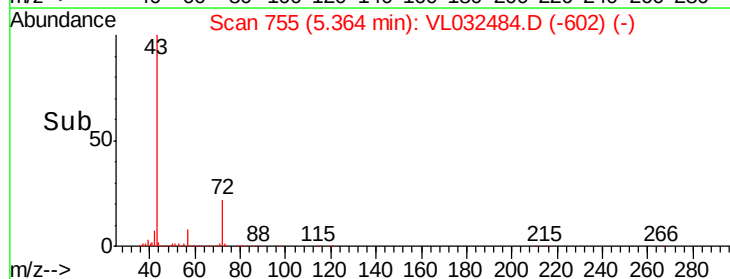
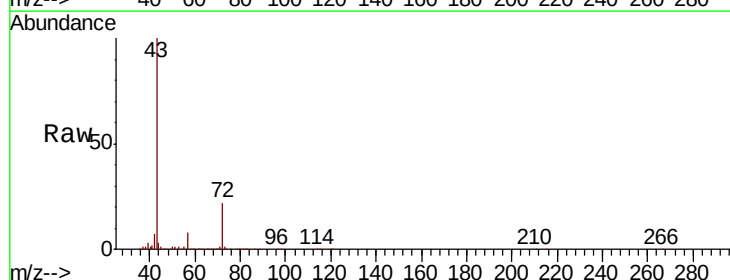
Manual Integrations
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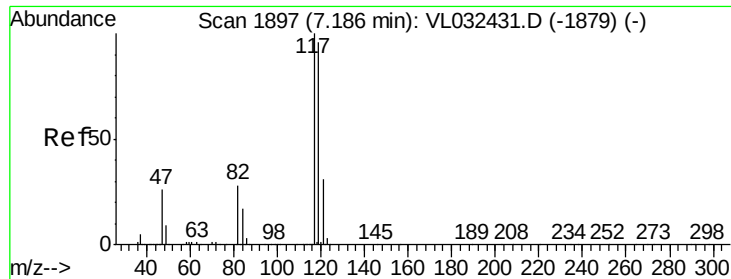
MMDadoda
 9/12/2018 3:59:34 PM



#34
 2-Butanone
 Concen: 8.14 ppbv
 RT: 5.36 min Scan# 755
 Delta R.T. -0.01 min
 Lab File: VL032484.D
 Acq: 10 Sep 2018 18:07

Tgt Ion: 43 Resp: 2133860
 Ion Ratio Lower Upper
 43 100
 72 22.4 17.8 26.6





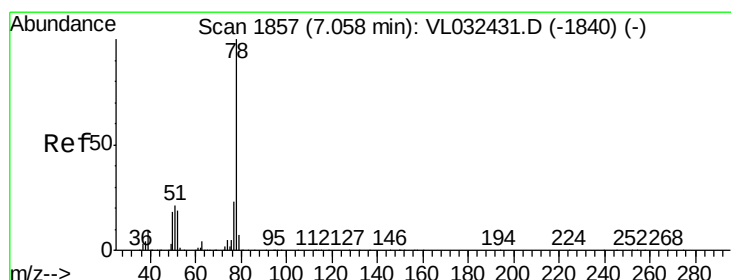
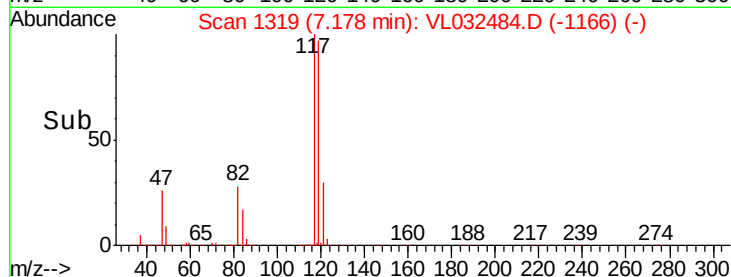
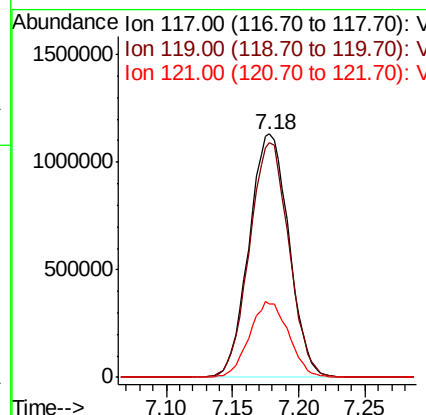
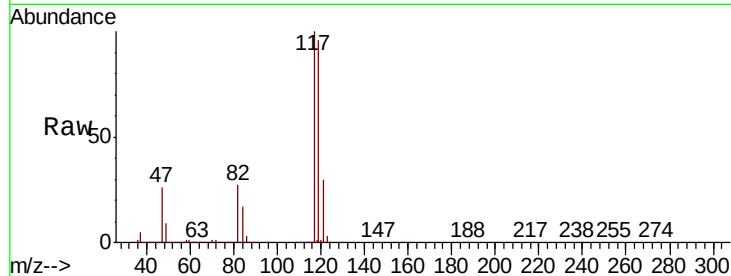
#35
Carbon Tetrachloride
Concen: 8.90 ppbv
RT: 7.18 min Scan# 1319
Delta R.T. -0.01 min
Lab File: VL032484.D
Acq: 10 Sep 2018 18:07

Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

Tot Ion	Ratio	Lower	Upper
117	100		
119	96.5	76.6	115.0
121	30.2	24.6	36.8

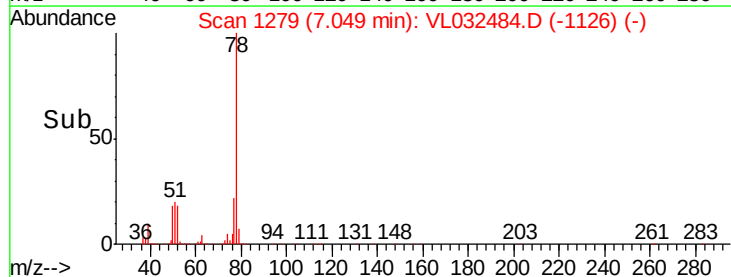
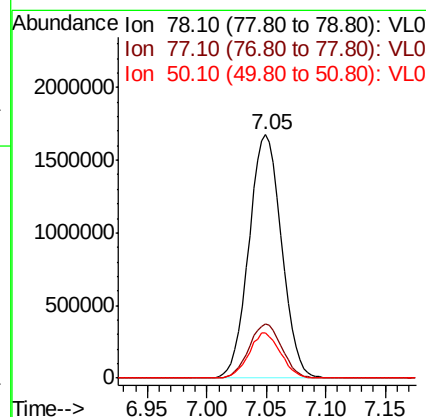
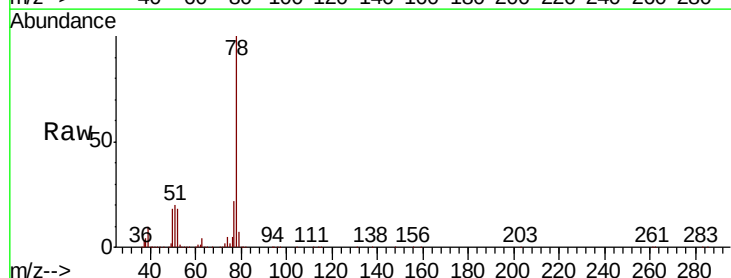
Manual Integrations
APPROVED

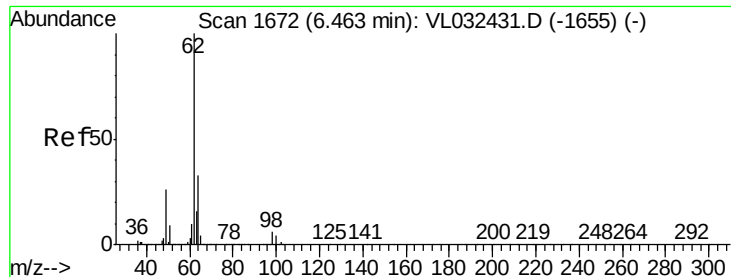
MMDadoda
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#36
Benzene
Concen: 9.50 ppbv
RT: 7.05 min Scan# 1279
Delta R.T. -0.01 min
Lab File: VL032484.D
Acq: 10 Sep 2018 18:07

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.1	18.4	27.6
50	18.4	14.4	21.6





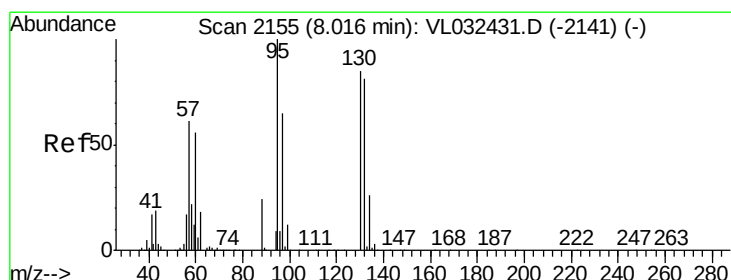
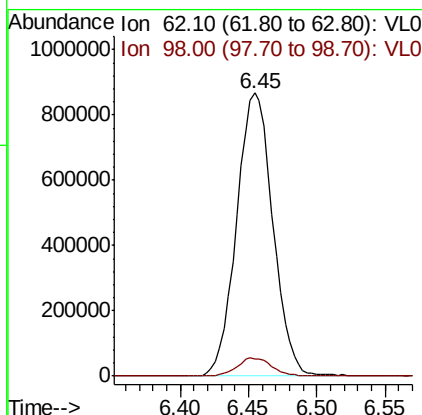
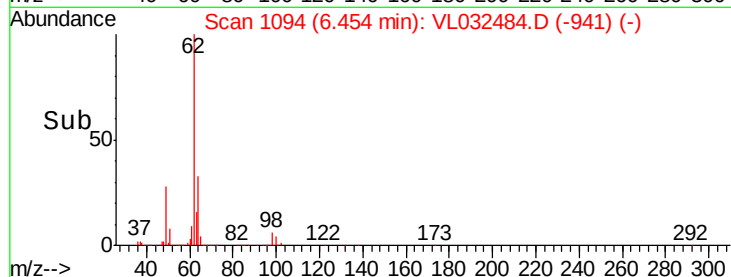
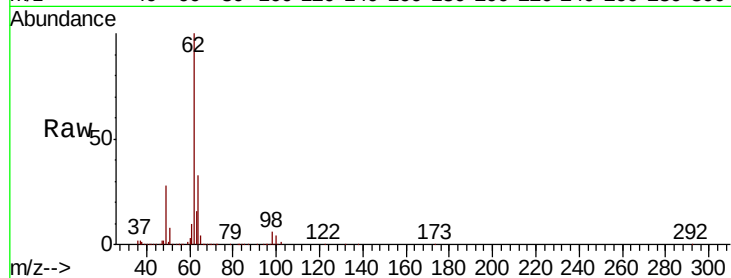
#37
 1,2-Dichloroethane
 Concen: 7.80 ppbv
 RT: 6.45 min Scan# 1094
 Delta R.T. -0.01 min
 Lab File: VL032484.D
 Acq: 10 Sep 2018 18:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0910ABS01

Tot Ion: 62 Resp: 1603527
 Ion Ratio Lower Upper
 62 100
 98 6.2 5.0 7.6

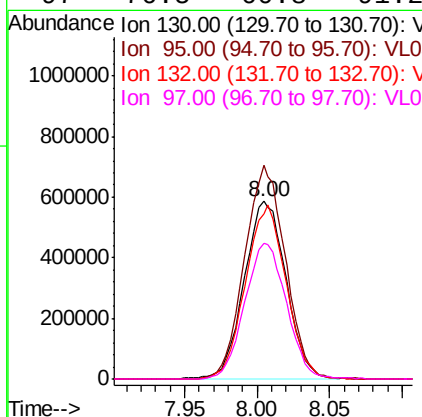
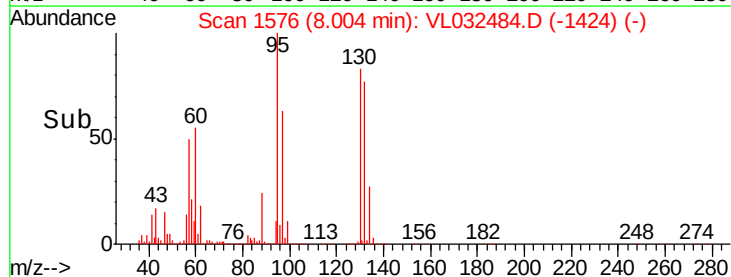
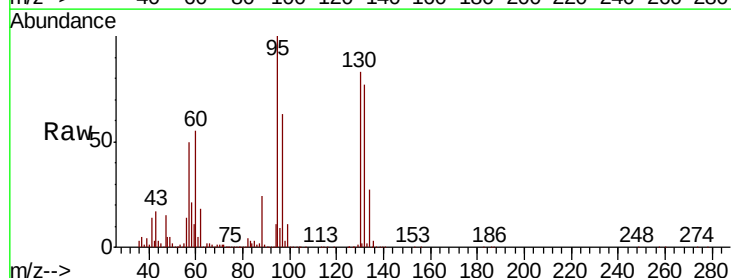
Manual Integrations
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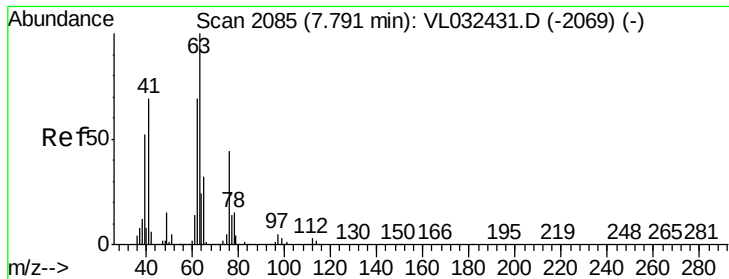
MMDadoda
 9/12/2018 3:59:34 PM



#38
 Trichloroethene
 Concen: 9.08 ppbv
 RT: 8.00 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: VL032484.D
 Acq: 10 Sep 2018 18:07

Tgt Ion: 130 Resp: 1157608
 Ion Ratio Lower Upper
 130 100
 95 120.7 94.2 141.4
 132 93.5 76.2 114.4
 97 76.5 60.8 91.2





#39

1,2-Dichloropropane

Concen: 9.64 ppbv

RT: 7.78 min Scan# 1506

Delta R.T. -0.01 min

Lab File: VL032484.D

Acq: 10 Sep 2018 18:07

Instrument :

MSVOA_L

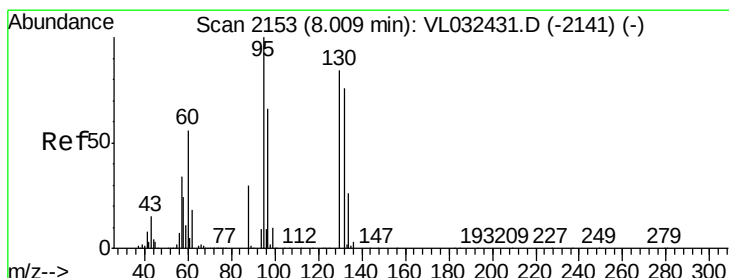
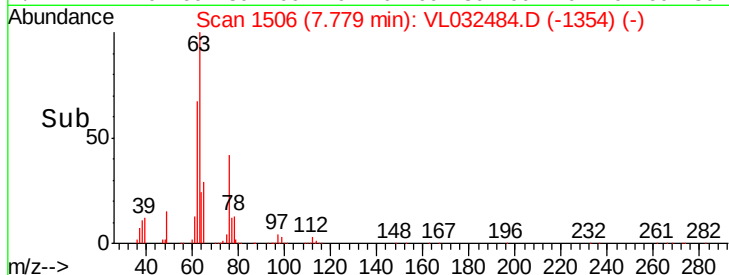
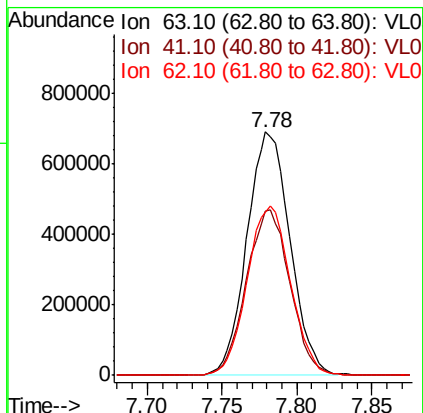
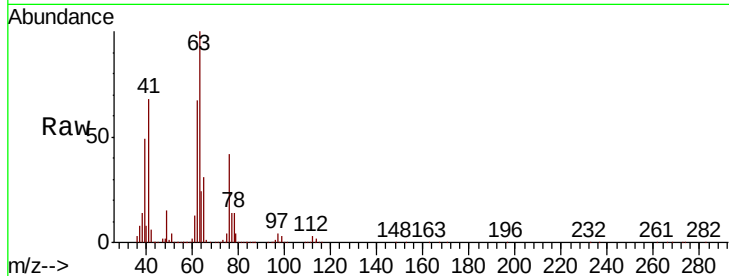
ClientSampleId :

VL0910ABS01

Tot Ion:	63	Resp:	1384645
Ion	Ratio	Lower	Upper
63	100		
41	67.3	55.4	83.0
62	67.0	55.4	83.0

Manual Integrations
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9/12/2018 3:59:34 PM



#40

1,4-Dioxane

Concen: 10.41 ppbv

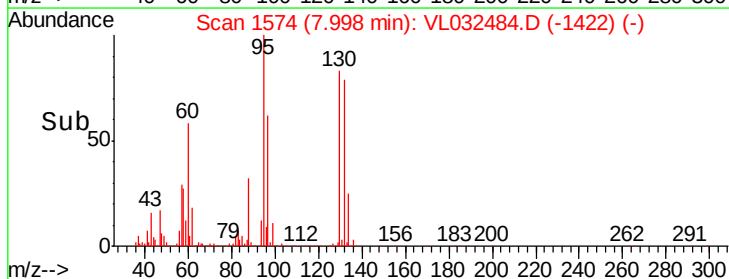
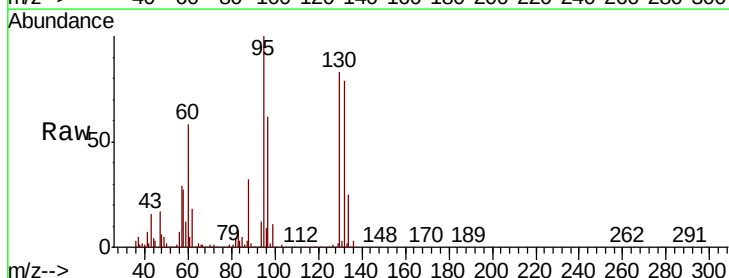
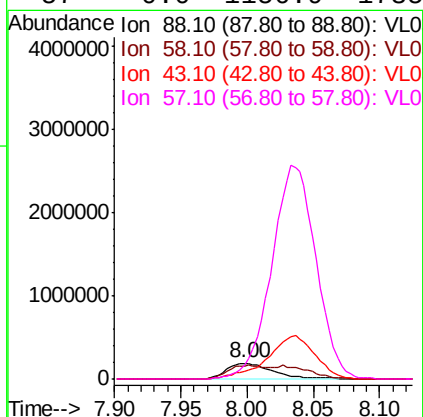
RT: 8.00 min Scan# 1574

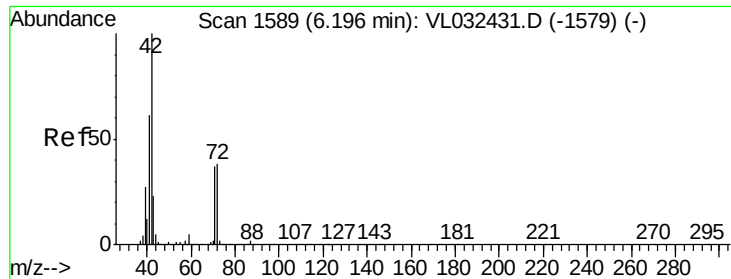
Delta R.T. -0.01 min

Lab File: VL032484.D

Acq: 10 Sep 2018 18:07

Tgt Ion:	88	Resp:	448543
Ion	Ratio	Lower	Upper
88	100		
58	74.1	119.7	179.5#
43	0.0	253.0	379.4#
57	0.0	1156.9	1735.3#





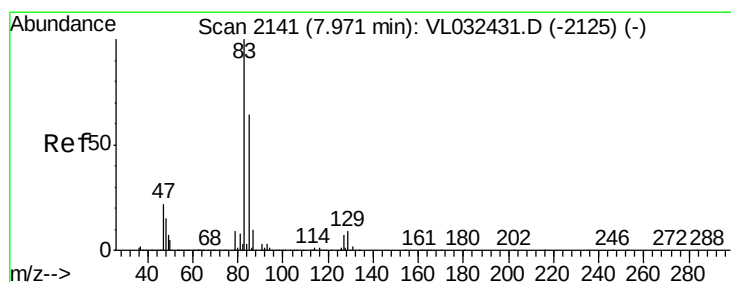
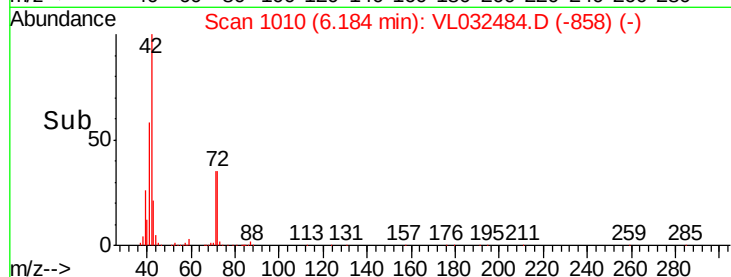
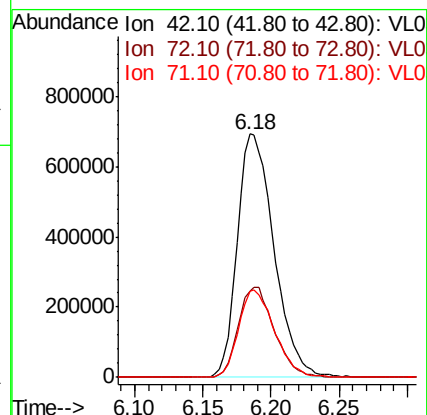
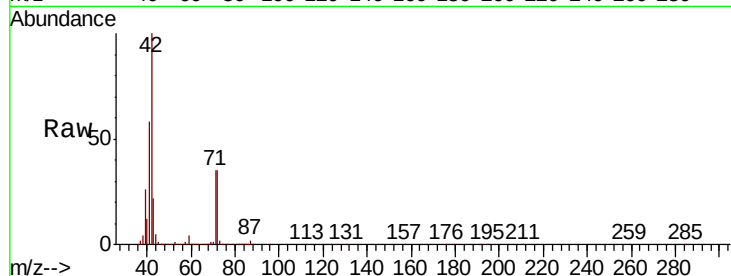
#41
Tetrahydrofuran
Concen: 9.08 ppbv
RT: 6.18 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VL032484.D
Acq: 10 Sep 2018 18:07

Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.5	29.5	44.3
71	35.2	28.3	42.5

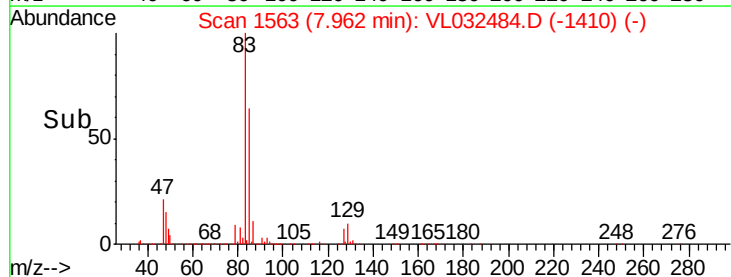
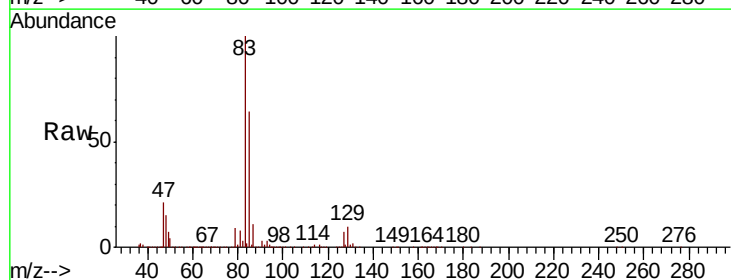
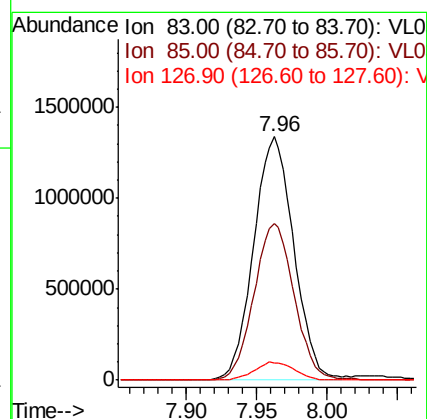
Manual Integrations
APPROVED

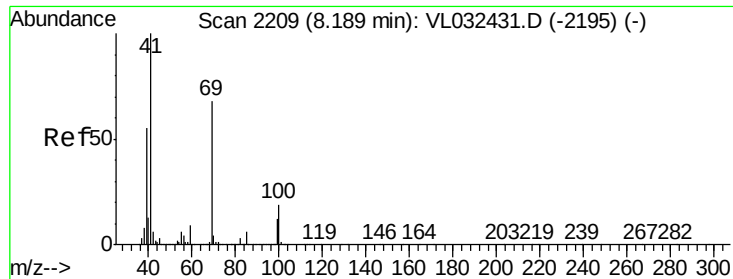
MMDadoda
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#42
Bromodichloromethane
Concen: 9.37 ppbv
RT: 7.96 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VL032484.D
Acq: 10 Sep 2018 18:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.1	76.7
127	7.1	5.8	8.8





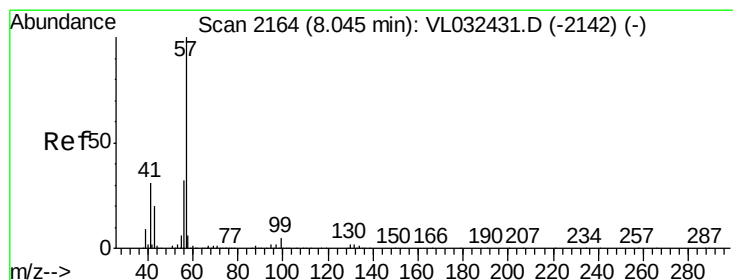
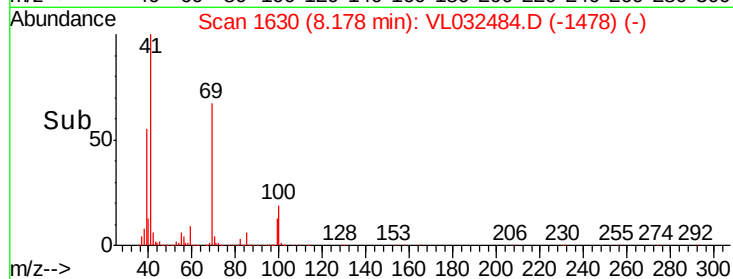
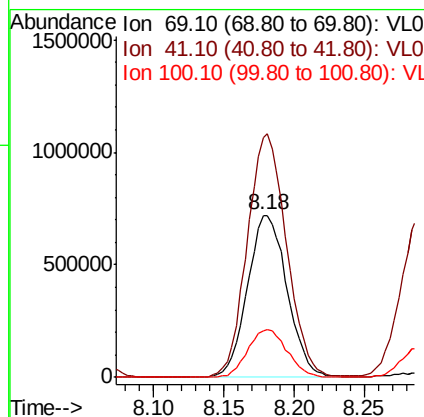
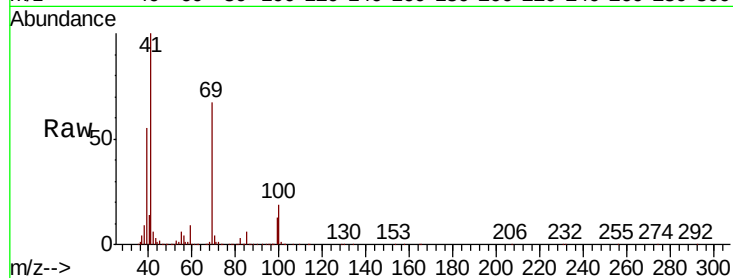
#43
Methyl Methacrylate
Concen: 9.96 ppbv
RT: 8.18 min Scan# 1630
Delta R.T. -0.01 min
Lab File: VL032484.D
Acq: 10 Sep 2018 18:07

Instrument :
MSVOA_L
ClientSampled :
VL0910ABS01

Tot Ion	Ratio	Lower	Upper
69	100		
41	148.5	117.1	175.7
100	29.4	23.4	35.2

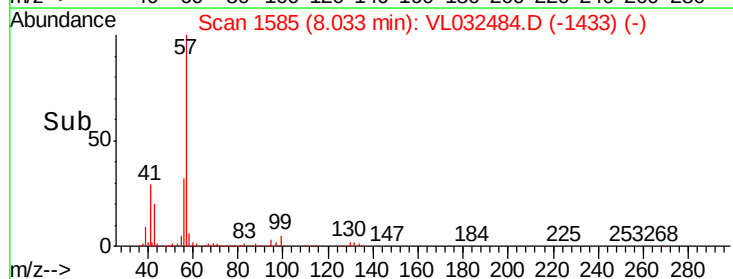
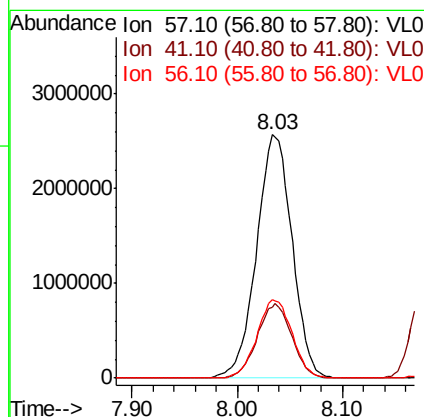
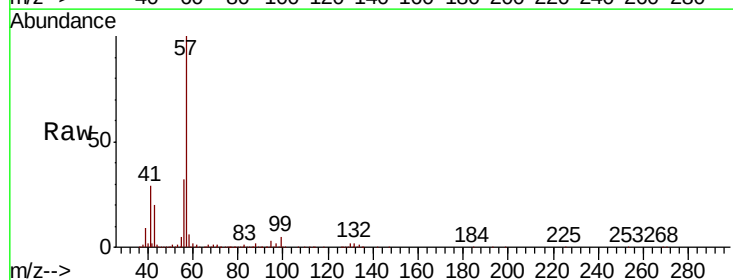
Manual Integrations
APPROVED

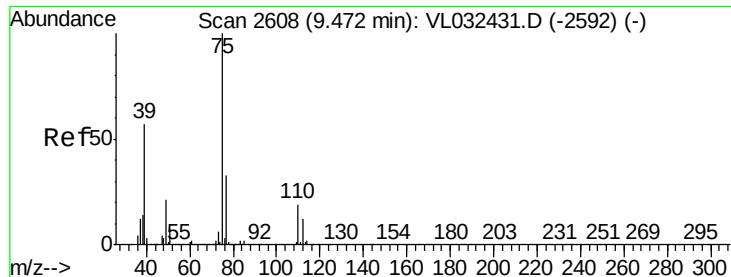
MMDadoda
9/12/2018 3:59:34 PM



#44
2,2,4-Trimethylpentane
Concen: 9.29 ppbv
RT: 8.03 min Scan# 1585
Delta R.T. -0.01 min
Lab File: VL032484.D
Acq: 10 Sep 2018 18:07

Tgt Ion	Ratio	Lower	Upper
57	100		
41	29.9	24.4	36.6
56	31.8	25.7	38.5





#45

t-1,3-Dichloropropene

Concen: 11.87 ppbv

RT: 9.46 min Scan# 2029

Delta R.T. -0.01 min

Lab File: VL032484.D

Acq: 10 Sep 2018 18:07

Instrument :

MSVOA_L

ClientSampleId :

VL0910ABS01

Tot Ion: 75 Resp: 1808087

Ion Ratio Lower Upper

75 100

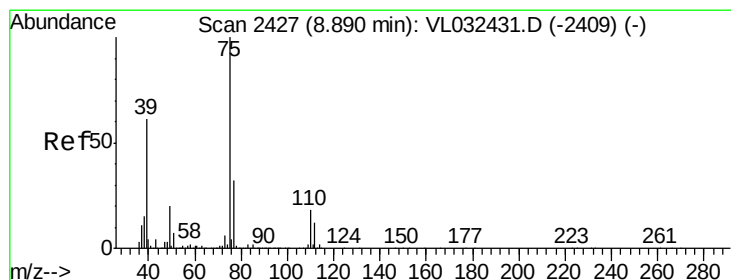
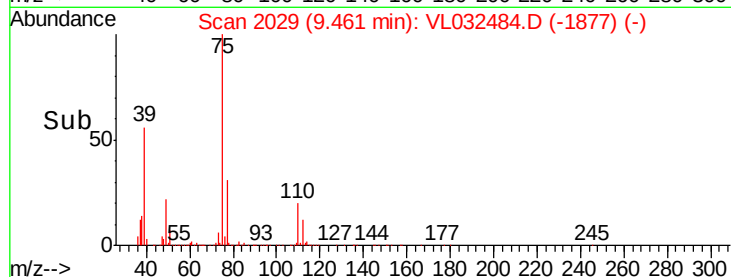
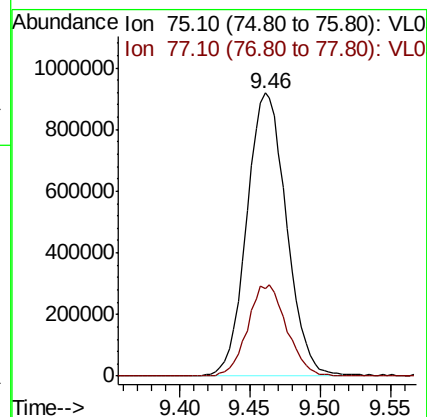
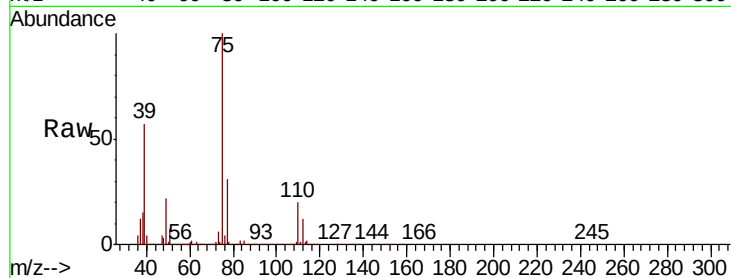
77 31.0 26.2 39.2

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#46

cis-1,3-Dichloropropene

Concen: 10.53 ppbv

RT: 8.88 min Scan# 1849

Delta R.T. -0.01 min

Lab File: VL032484.D

Acq: 10 Sep 2018 18:07

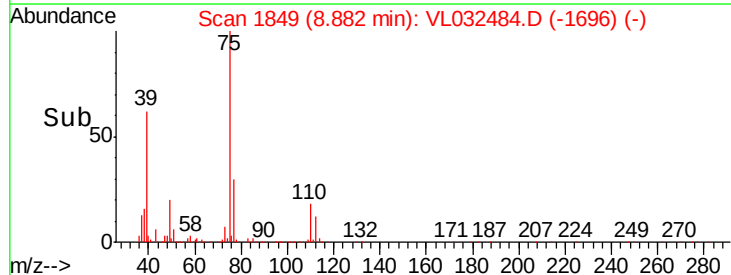
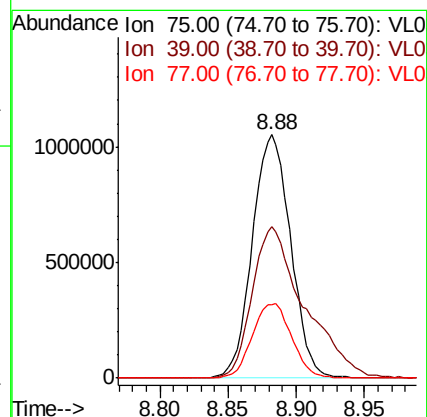
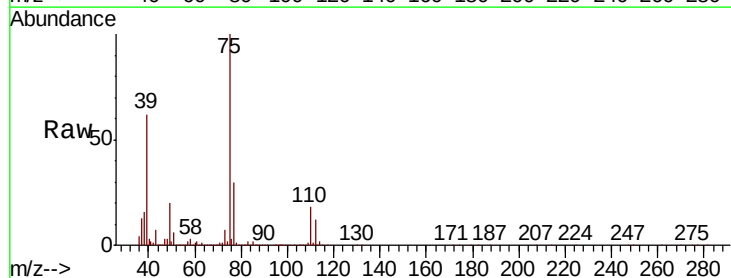
Tgt Ion: 75 Resp: 2050942

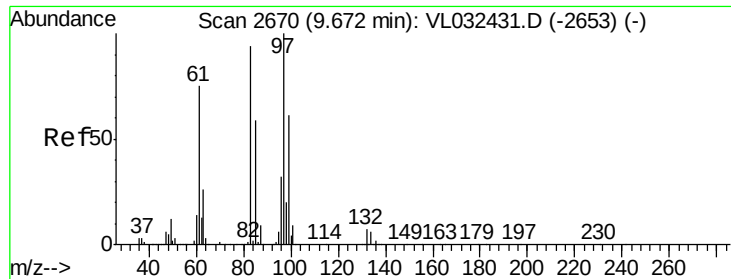
Ion Ratio Lower Upper

75 100

39 62.1 48.9 73.3

77 30.3 25.4 38.0





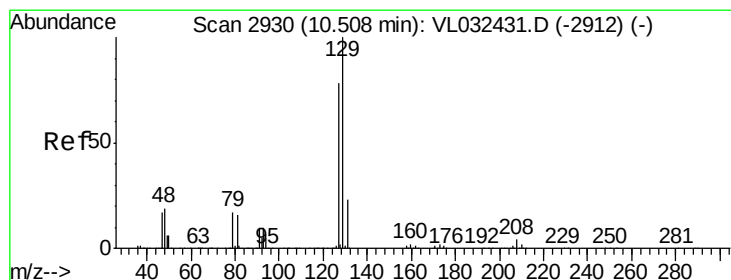
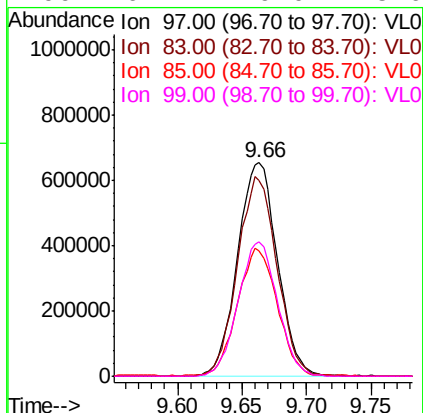
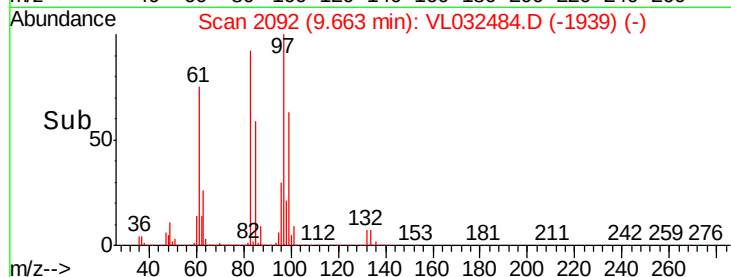
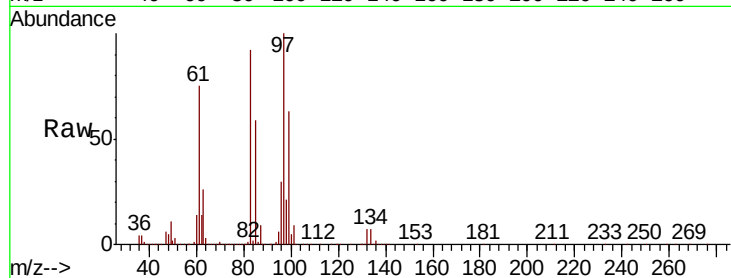
#47
 1,1,2-Trichloroethane
 Concen: 9.21 ppbv
 RT: 9.66 min Scan# 2092
 Delta R.T. -0.01 min
 Lab File: VL032484.D
 Acq: 10 Sep 2018 18:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0910ABS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	91.8	75.0	112.4
85	58.7	47.5	71.3
99	62.7	49.0	73.6

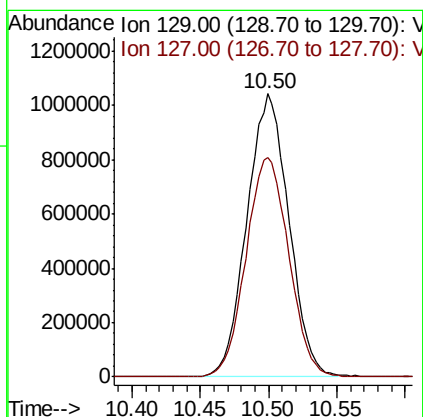
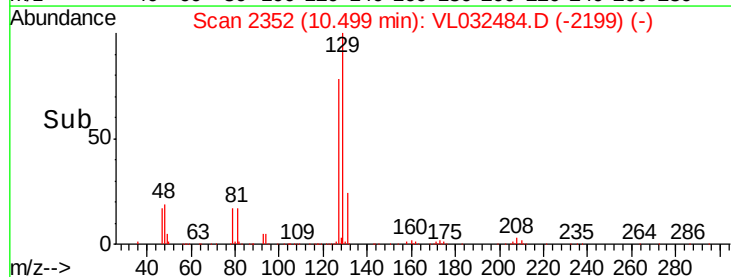
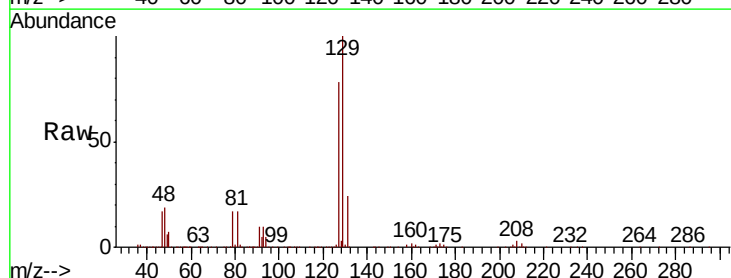
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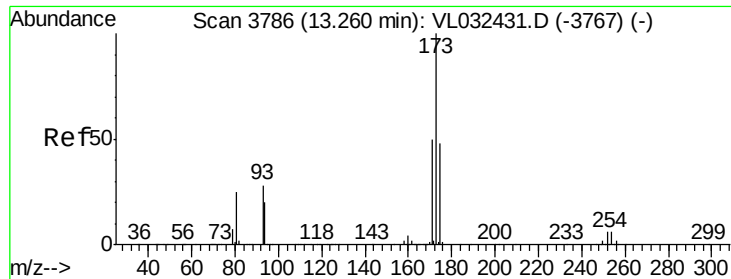
MMDadoda
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#48
 Dibromochloromethane
 Concen: 10.52 ppbv
 RT: 10.50 min Scan# 2352
 Delta R.T. -0.01 min
 Lab File: VL032484.D
 Acq: 10 Sep 2018 18:07

Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.0	39.5	118.3





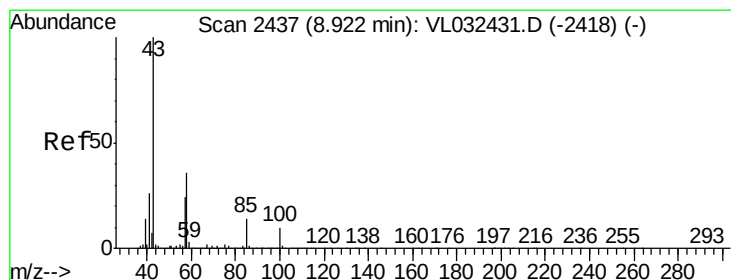
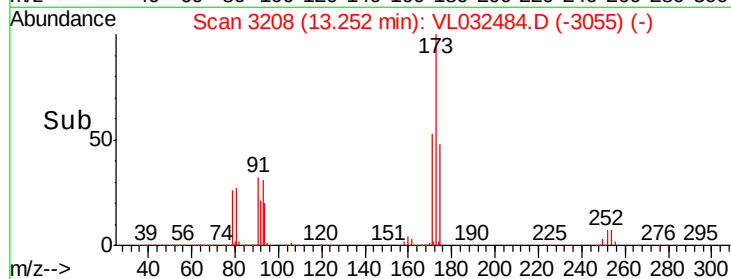
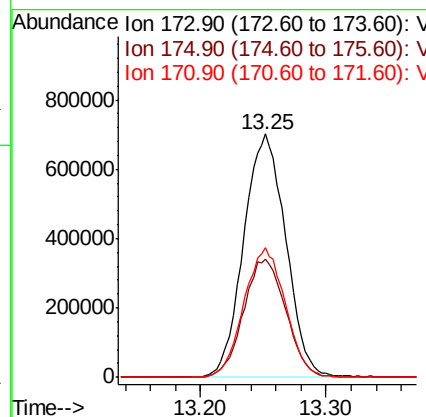
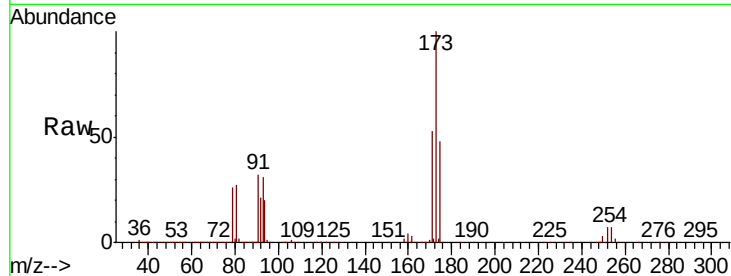
#49
Bromoform
Concen: 8.90 ppbv
RT: 13.25 min Scan# 3208
Delta R.T. -0.01 min
Lab File: VL032484.D
Acq: 10 Sep 2018 18:07

Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

Tot Ion:173 Resp: 1635260
Ion Ratio Lower Upper
173 100
175 48.8 38.9 58.3
171 52.8 41.6 62.4

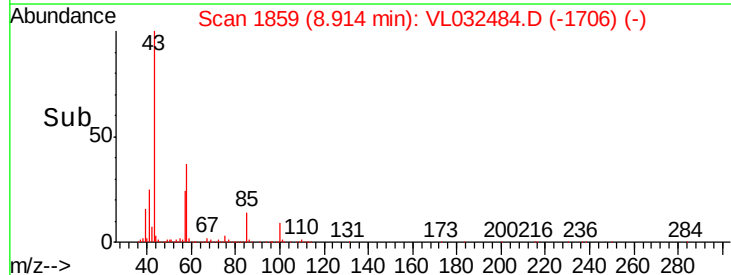
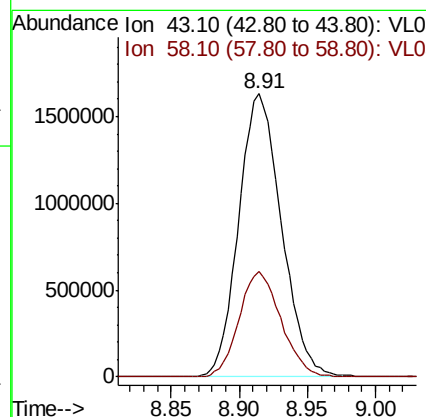
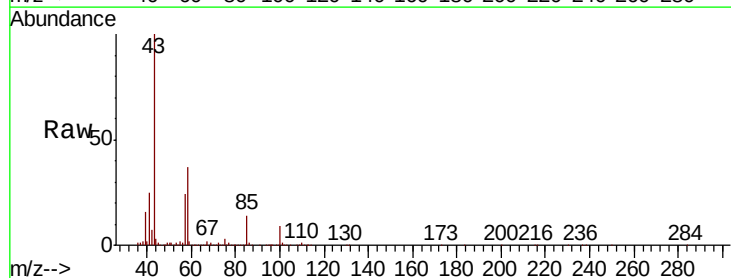
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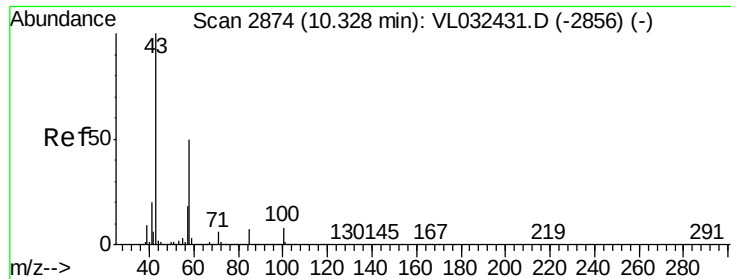
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#50
4-Methyl-2-Pentanone
Concen: 8.98 ppbv
RT: 8.91 min Scan# 1859
Delta R.T. -0.01 min
Lab File: VL032484.D
Acq: 10 Sep 2018 18:07

Tgt Ion: 43 Resp: 3543865
Ion Ratio Lower Upper
43 100
58 36.6 29.0 43.4





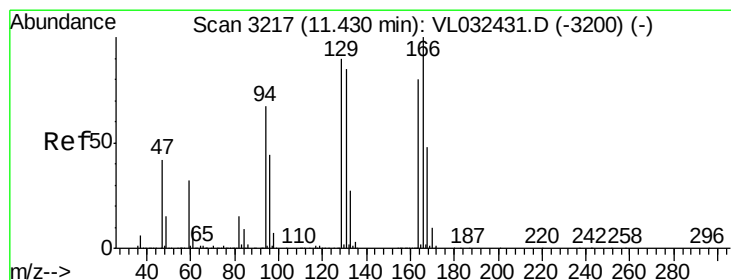
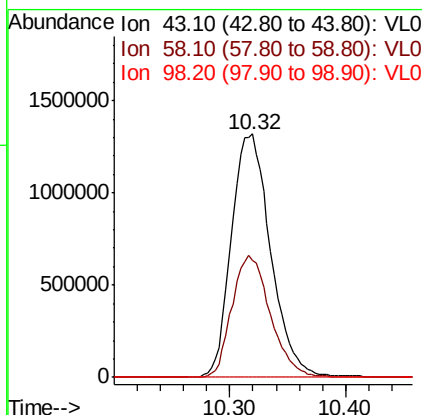
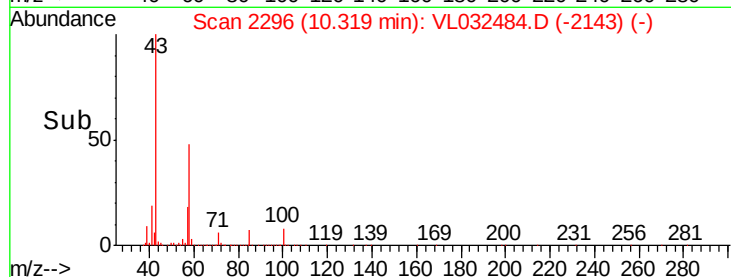
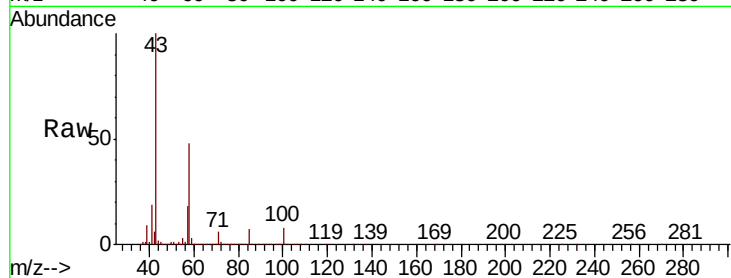
#51
2-Hexanone
Concen: 12.13 ppbv
RT: 10.32 min Scan# 2296
Delta R.T. -0.01 min
Lab File: VL032484.D
Acq: 10 Sep 2018 18:07

Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

Tot Ion: 43 Resp: 3083831
Ion Ratio Lower Upper
43 100
58 49.3 39.2 58.8
98 0.4 0.4 0.6#

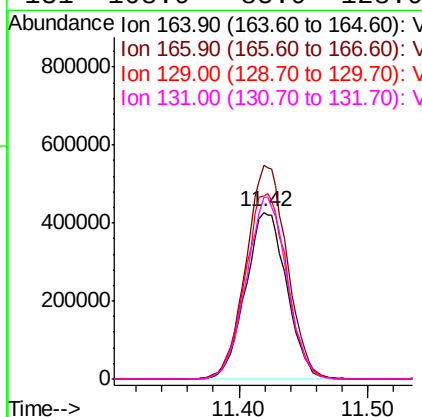
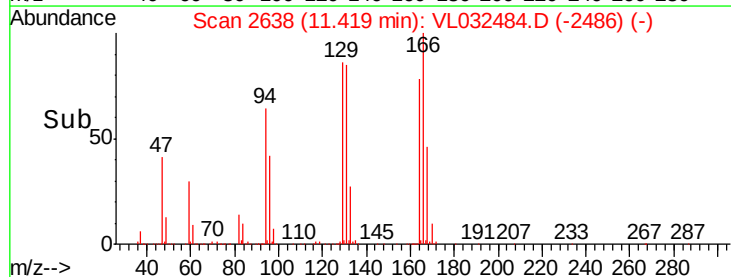
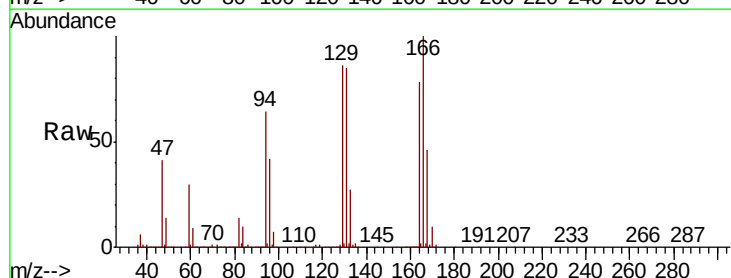
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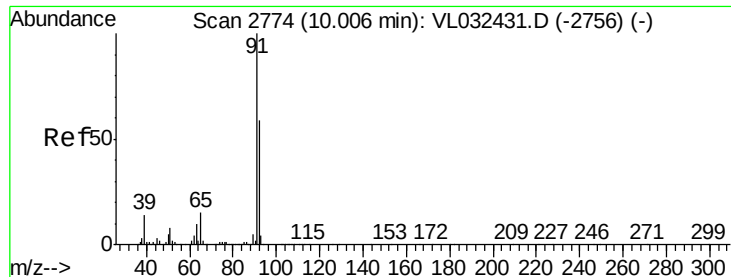
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#52
Tetrachloroethene
Concen: 9.09 ppbv
RT: 11.42 min Scan# 2638
Delta R.T. -0.01 min
Lab File: VL032484.D
Acq: 10 Sep 2018 18:07

Tgt Ion: 164 Resp: 946382
Ion Ratio Lower Upper
164 100
166 128.4 100.6 150.8
129 109.8 89.9 134.9
131 108.9 85.9 128.9





#53

Toluene

Concen: 11.22 ppbv

RT: 9.99 min Scan# 2195

Delta R.T. -0.01 min

Lab File: VL032484.D

Acq: 10 Sep 2018 18:07

Instrument :

MSVOA_L

ClientSampleId :

VL0910ABS01

Tot Ion: 91 Resp: 3935418

Ion Ratio Lower Upper

91 100

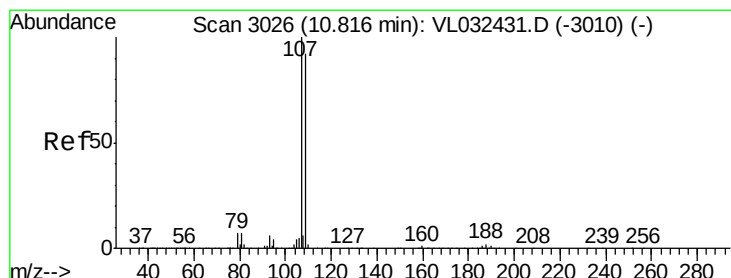
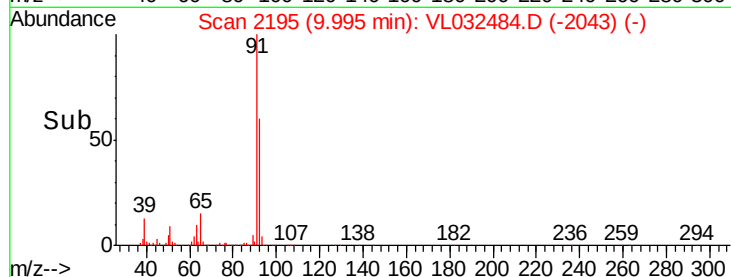
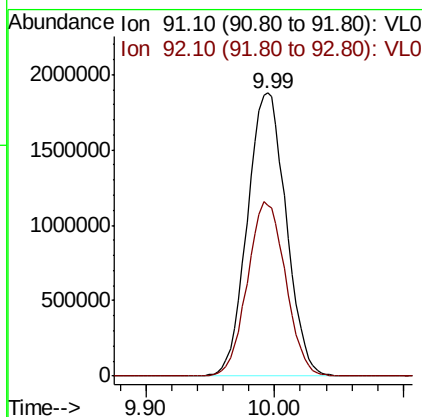
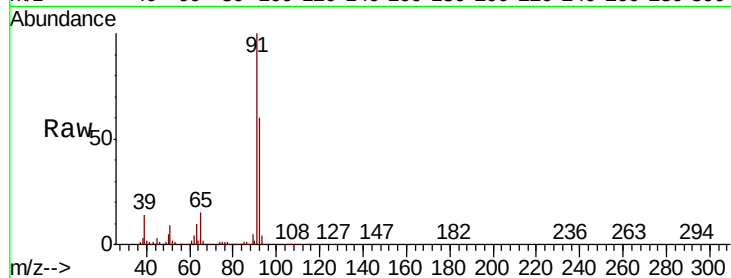
92 60.7 48.1 72.1

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#54

1,2-Dibromoethane

Concen: 10.07 ppbv

RT: 10.81 min Scan# 2448

Delta R.T. -0.01 min

Lab File: VL032484.D

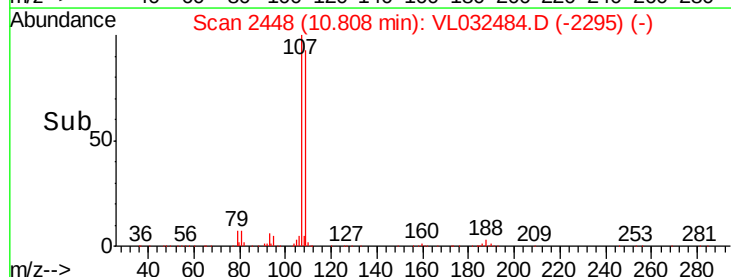
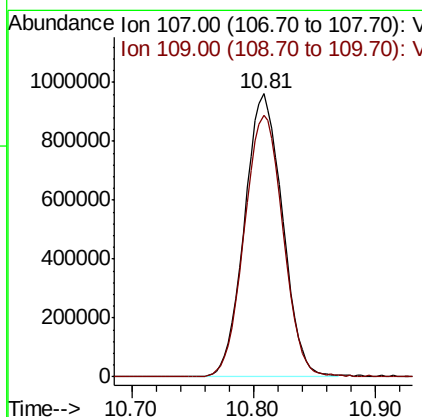
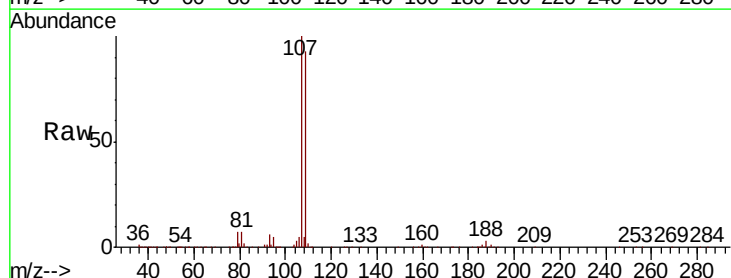
Acq: 10 Sep 2018 18:07

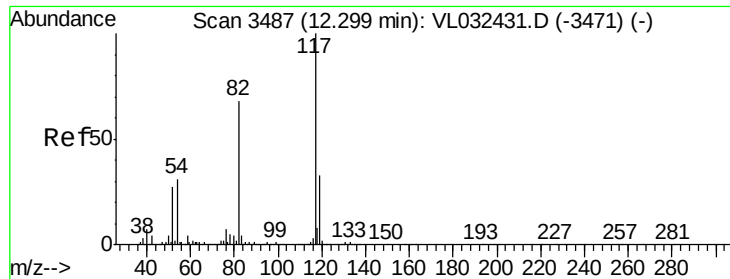
Tgt Ion: 107 Resp: 2065218

Ion Ratio Lower Upper

107 100

109 92.5 73.9 110.9





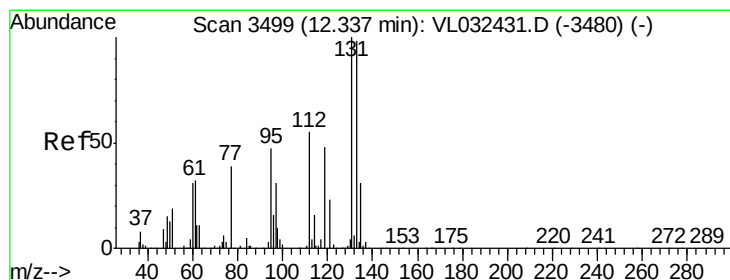
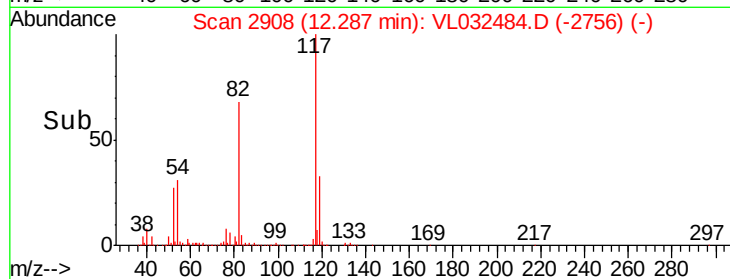
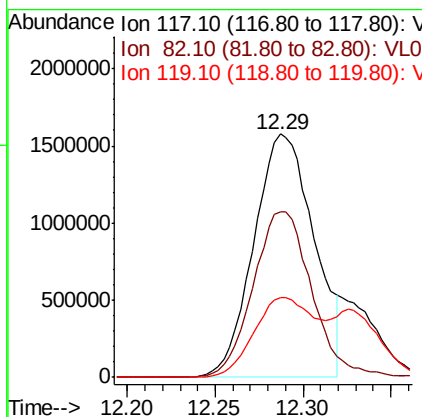
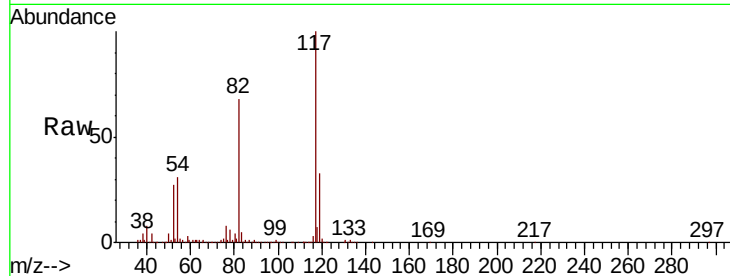
#55
Chlorobenzene-d5
Concen: 10.00 ppbv m
RT: 12.29 min Scan# 2908
Delta R.T. -0.01 min
Lab File: VL032484.D
Acq: 10 Sep 2018 18:07

Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

Tot Ion:117 Resp: 3769330
Ion Ratio Lower Upper
117 100
82 66.6 53.0 79.6
119 55.7 45.9 68.9

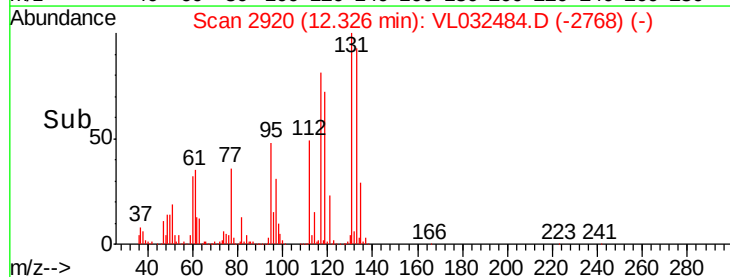
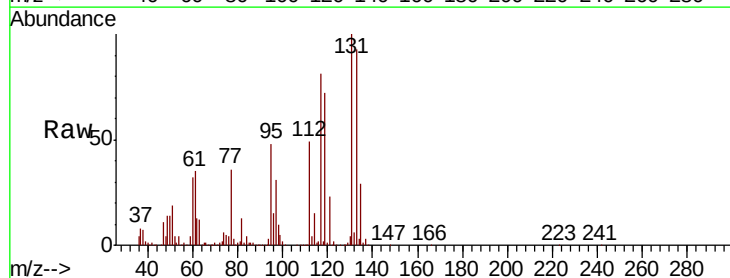
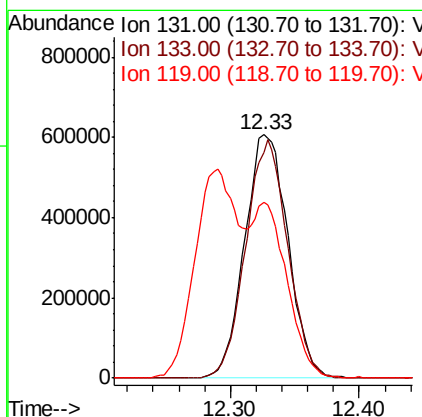
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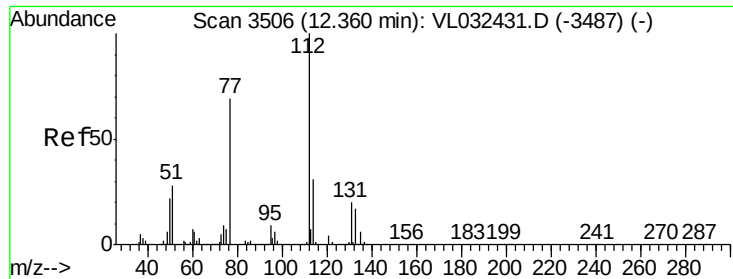
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#56
1,1,1,2-Tetrachloroethane
Concen: 8.36 ppbv
RT: 12.33 min Scan# 2920
Delta R.T. -0.01 min
Lab File: VL032484.D
Acq: 10 Sep 2018 18:07

Tgt Ion:131 Resp: 1420056
Ion Ratio Lower Upper
131 100
133 94.8 77.0 115.4
119 148.0 114.2 171.2





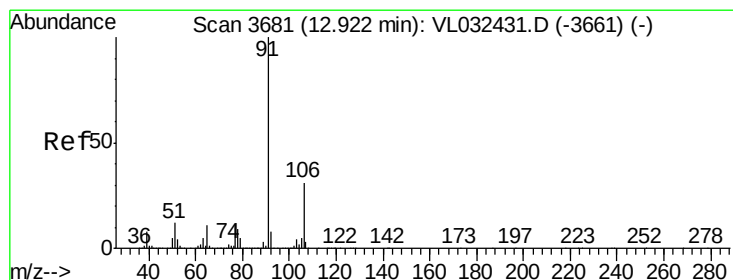
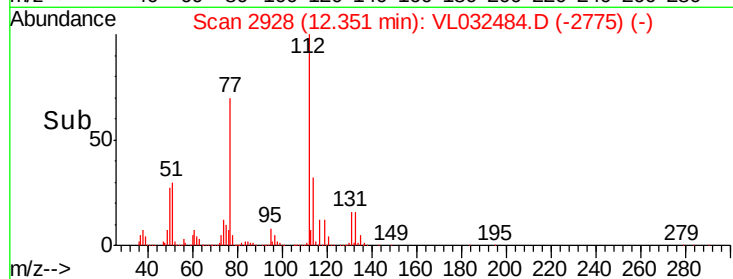
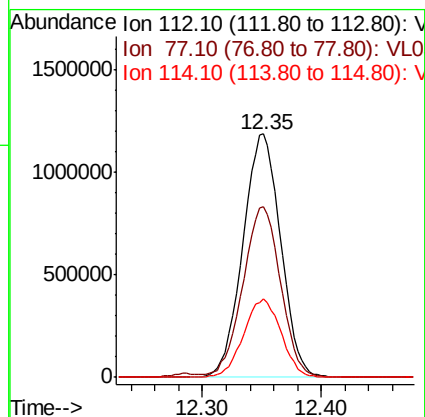
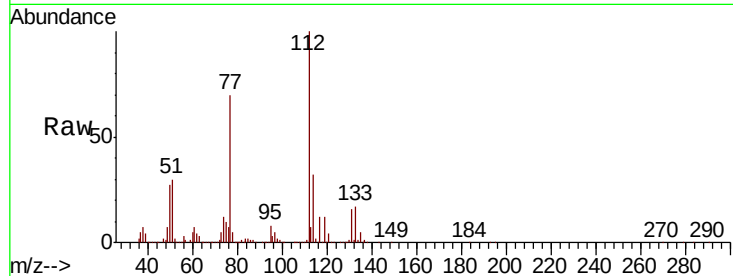
#57
Chlorobenzene
Concen: 8.67 ppbv
RT: 12.35 min Scan# 2928
Delta R.T. -0.01 min
Lab File: VL032484.D
Acq: 10 Sep 2018 18:07

Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

Tot Ion	Ratio	Lower	Upper
112	100		
77	69.9	56.1	84.1
114	32.0	27.8	34.0

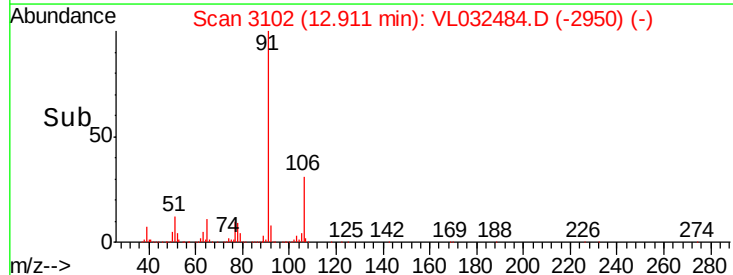
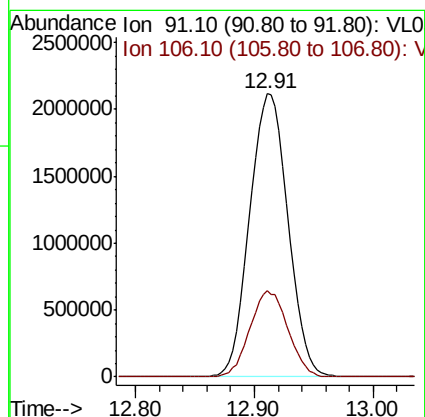
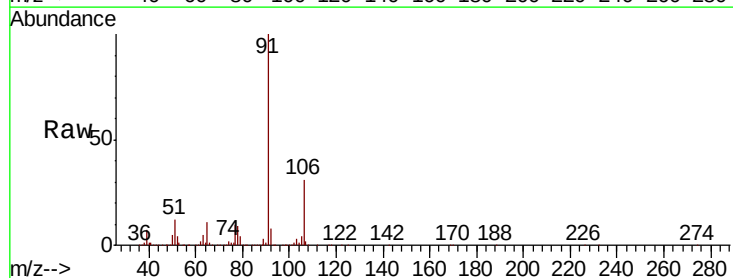
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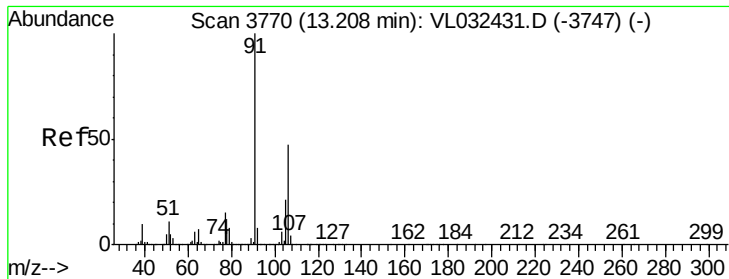
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#58
Ethyl Benzene
Concen: 10.47 ppbv
RT: 12.91 min Scan# 3102
Delta R.T. -0.01 min
Lab File: VL032484.D
Acq: 10 Sep 2018 18:07

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.6	24.8	37.2





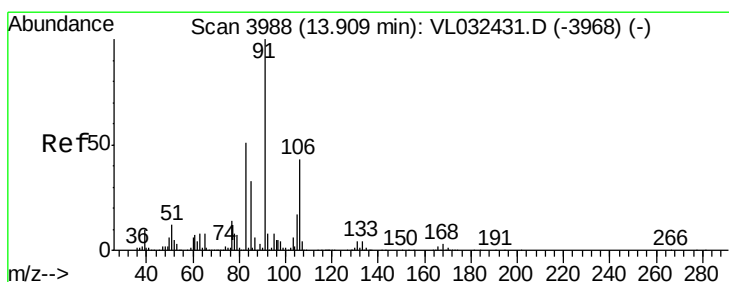
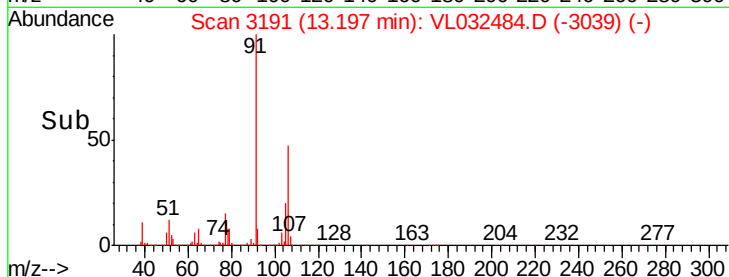
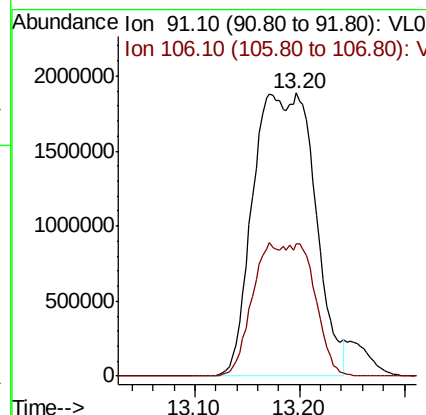
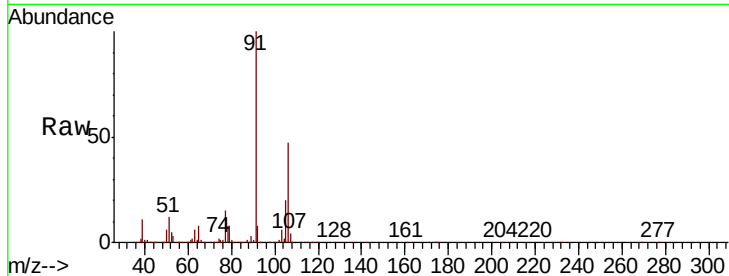
#59
m/p-Xylene
Concen: 19.16 ppbv m
RT: 13.20 min Scan# 3191
Delta R.T. -0.01 min
Lab File: VL032484.D
Acq: 10 Sep 2018 18:07

Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

Tot Ion: 91 Resp: 7706919
Ion Ratio Lower Upper
91 100
106 0.0 36.6 55.0#

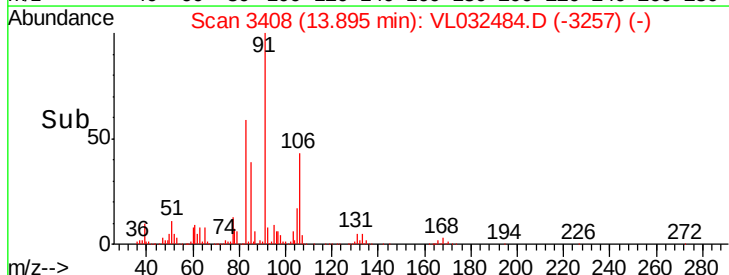
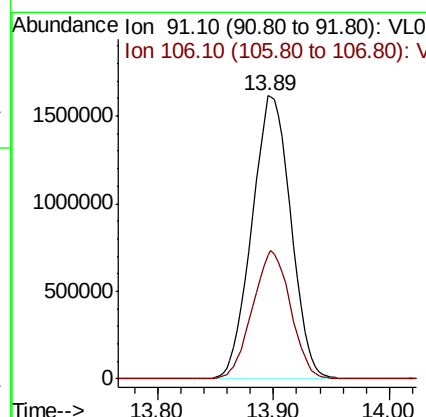
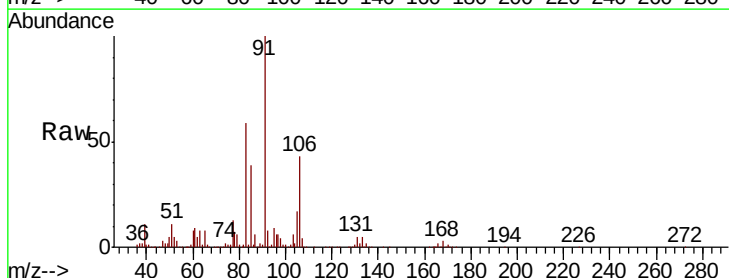
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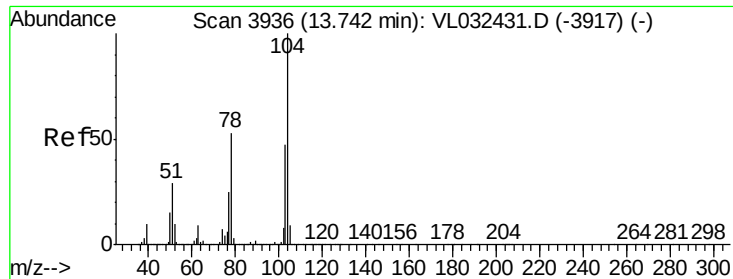
MMDadoda
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#60
o-Xylene
Concen: 9.54 ppbv
RT: 13.89 min Scan# 3408
Delta R.T. -0.01 min
Lab File: VL032484.D
Acq: 10 Sep 2018 18:07

Tgt Ion: 91 Resp: 3769171
Ion Ratio Lower Upper
91 100
106 44.3 21.9 65.7





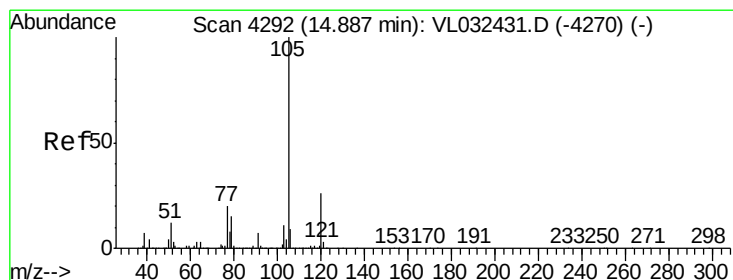
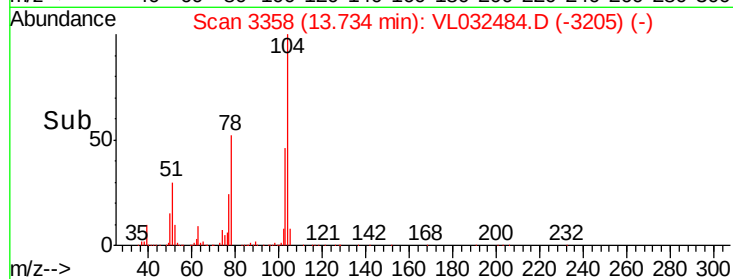
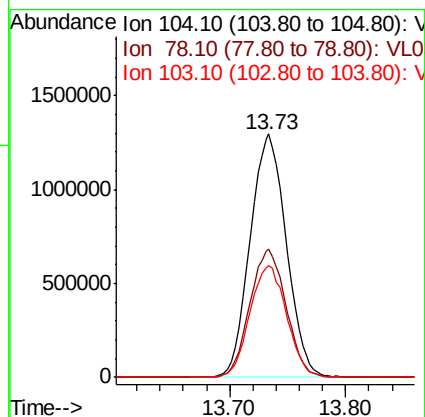
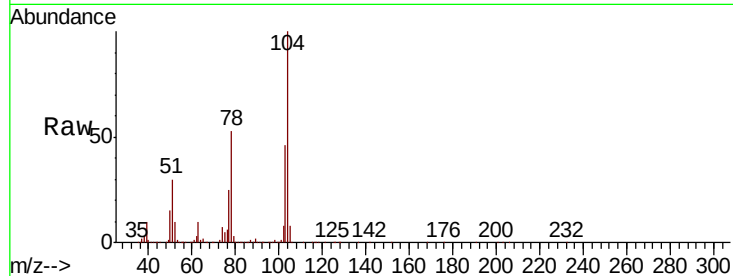
#61
Stvrene
Concen: 11.01 ppbv
RT: 13.73 min Scan# 3358
Delta R.T. -0.01 min
Lab File: VL032484.D
Acq: 10 Sep 2018 18:07

Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	52.8	41.8	62.8
103	46.8	38.0	57.0

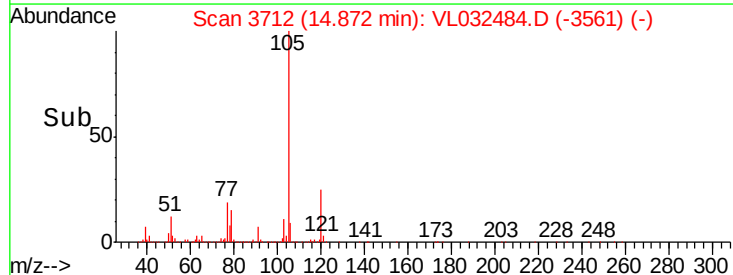
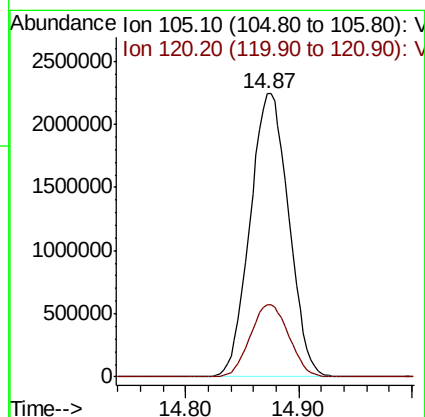
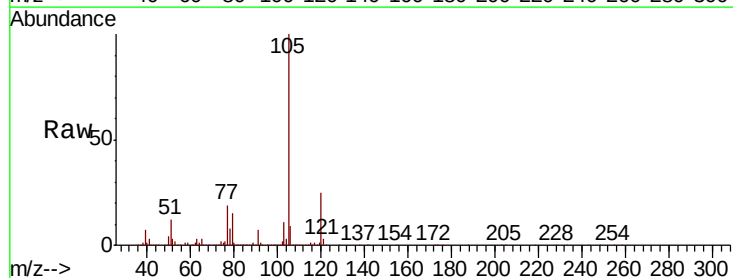
Manual Integrations
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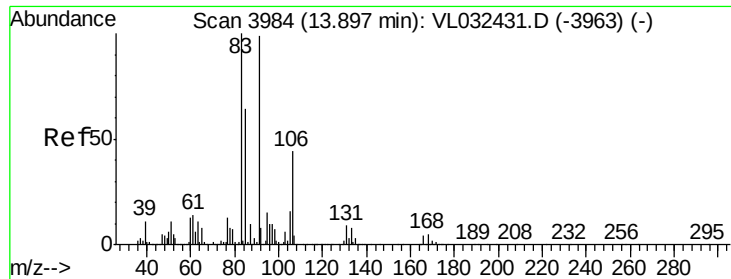
MMDadoda
9/12/2018 3:59:34 PM



#62
Isopropylbenzene
Concen: 9.58 ppbv
RT: 14.87 min Scan# 3712
Delta R.T. -0.01 min
Lab File: VL032484.D
Acq: 10 Sep 2018 18:07

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.5	20.6	31.0





#63

1,1,2,2-Tetrachloroethane

Concen: 7.91 ppbv

RT: 13.89 min Scan# 3405

Delta R.T. -0.01 min

Lab File: VL032484.D

Acq: 10 Sep 2018 18:07

Instrument :

MSVOA_L

ClientSampleId :

VL0910ABS01

Tot Ion: 83 Resp: 2794454

Ion Ratio Lower Upper

83 100

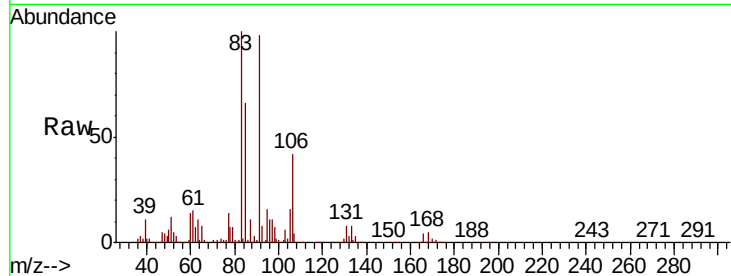
131 8.4 4.3 12.8

85 64.6 32.3 96.8

Manual Integrations
APPROVED

MMDadoda

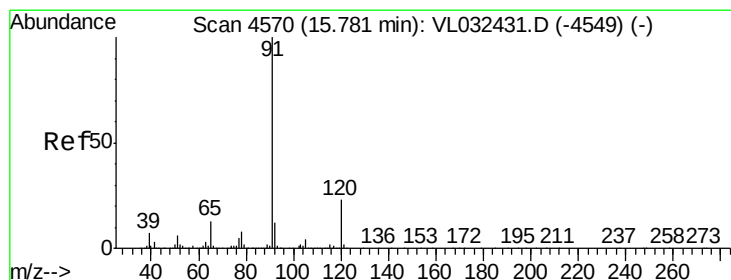
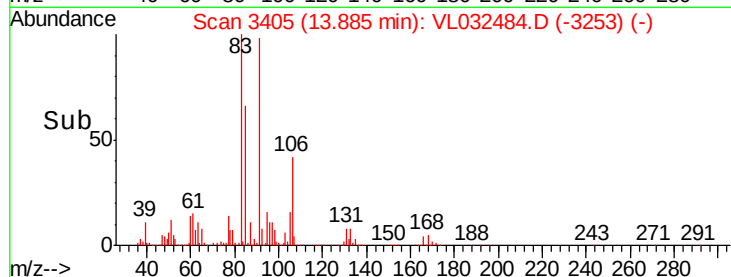
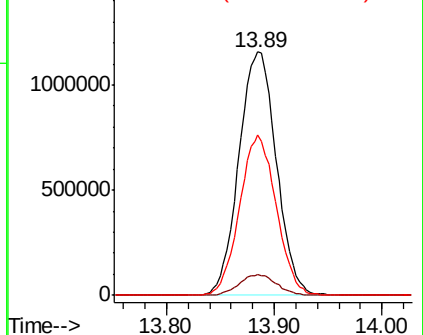
9/12/2018 3:59:34 PM



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 9.51 ppbv

RT: 15.77 min Scan# 3992

Delta R.T. -0.01 min

Lab File: VL032484.D

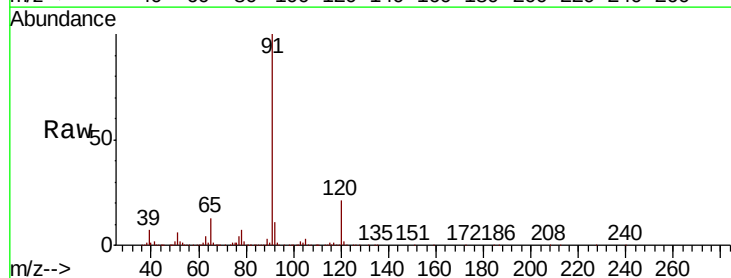
Acq: 10 Sep 2018 18:07

Tgt Ion: 120 Resp: 1380381

Ion Ratio Lower Upper

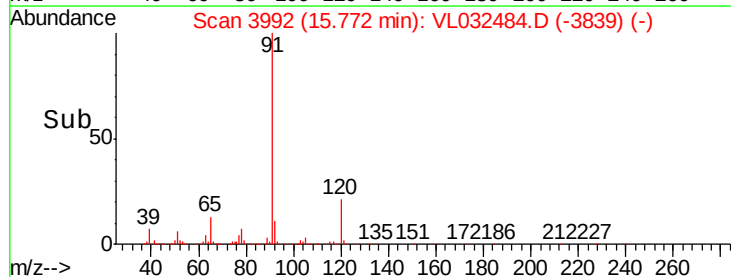
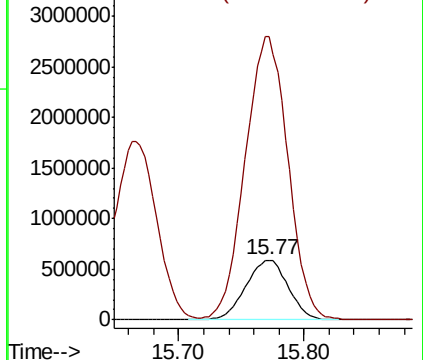
120 100

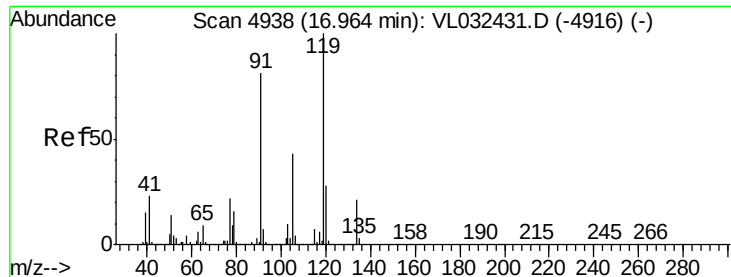
91 481.3 381.8 572.6



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 9.30 ppbv

RT: 16.96 min Scan# 4361

Delta R.T. -0.01 min

Lab File: VL032484.D

Acq: 10 Sep 2018 18:07

Instrument :

MSVOA_L

ClientSampleId :

VL0910ABS01

Tot Ion: 119 Resp: 4448973

Ion Ratio Lower Upper

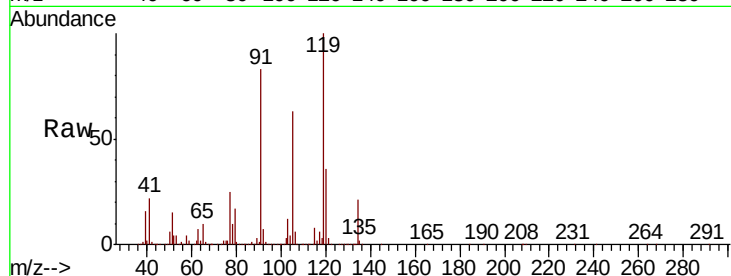
119 100

91 83.9 66.5 99.7

134 19.7 16.0 24.0

Manual Integrations
APPROVED

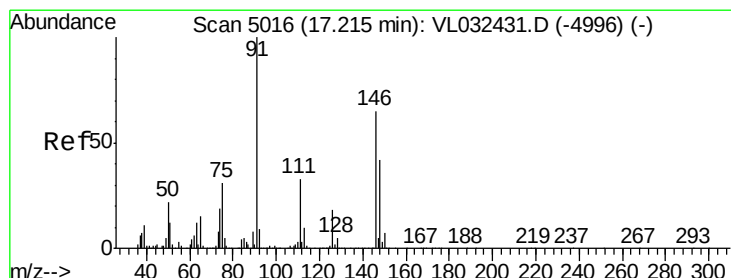
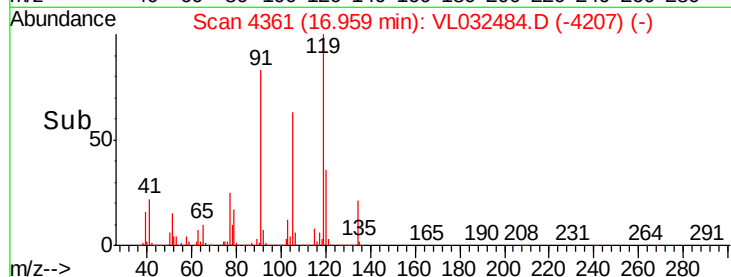
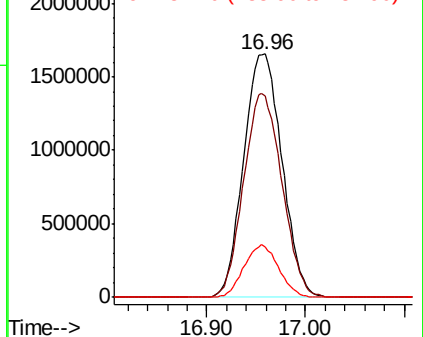
MMDadoda
9/12/2018 3:59:34 PM



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: 9.87 ppbv

RT: 17.20 min Scan# 4437

Delta R.T. -0.01 min

Lab File: VL032484.D

Acq: 10 Sep 2018 18:07

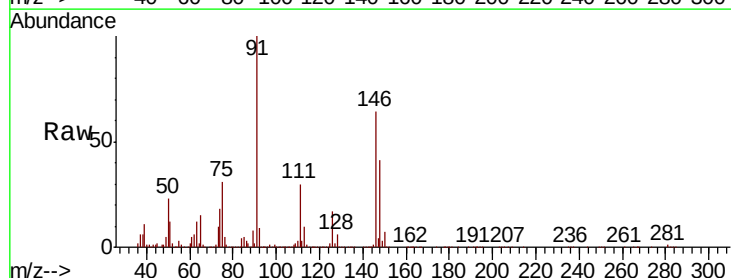
Tgt Ion: 91 Resp: 2630844

Ion Ratio Lower Upper

91 100

126 16.9 13.8 20.8

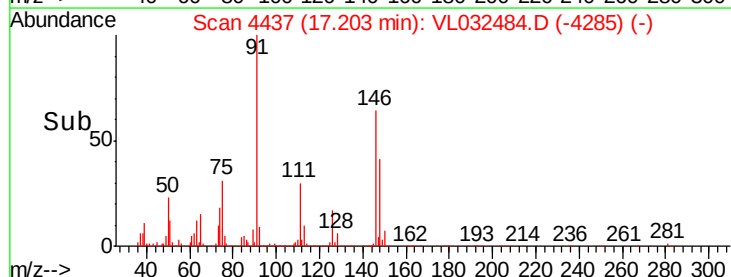
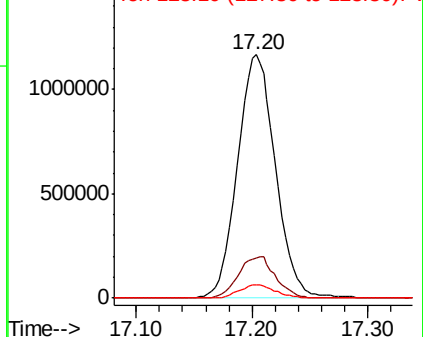
128 5.3 4.4 6.6

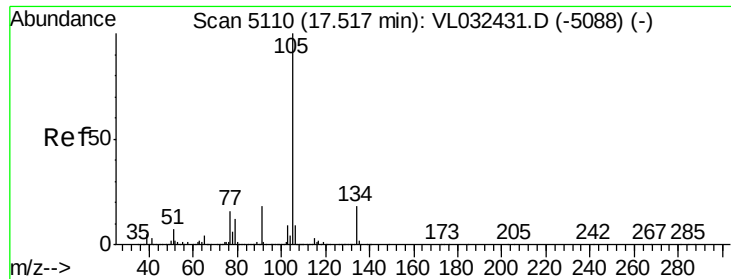


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 9.17 ppbv

RT: 17.50 min Scan# 4530

Delta R.T. -0.01 min

Lab File: VL032484.D

Acq: 10 Sep 2018 18:07

Instrument :

MSVOA_L

ClientSampleId :

VL0910ABS01

Tot Ion: 105 Resp: 6598118

Ion Ratio Lower Upper

105 100

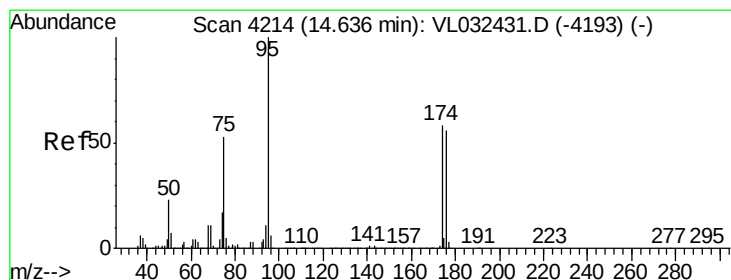
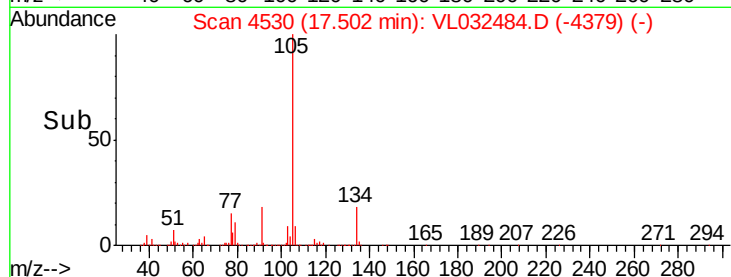
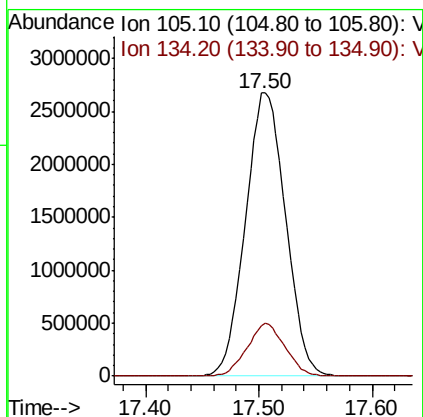
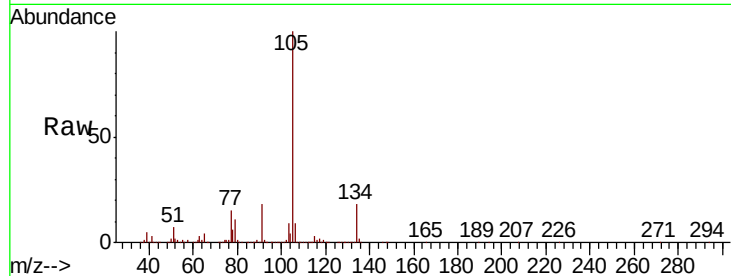
134 17.6 14.4 21.6

Manual Integrations

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9/12/2018 3:59:34 PM



#68

1-Bromo-4-Fluorobenzene

Concen: 10.22 ppbv

RT: 14.62 min Scan# 3635

Delta R.T. -0.01 min

Lab File: VL032484.D

Acq: 10 Sep 2018 18:07

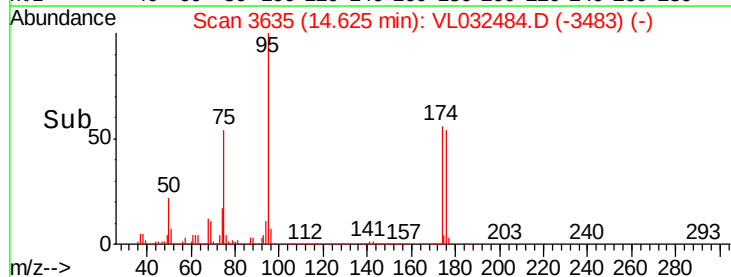
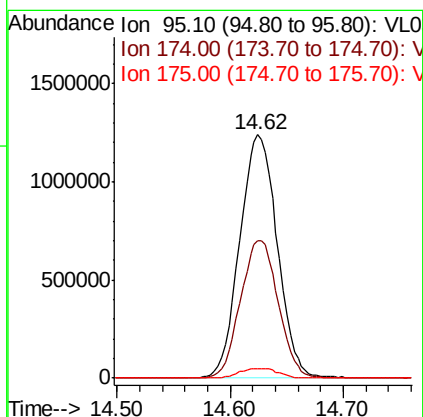
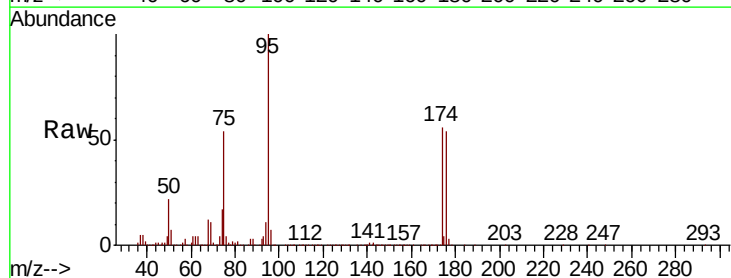
Tgt Ion: 95 Resp: 2859555

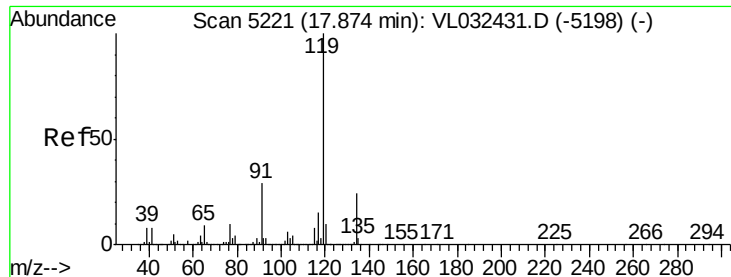
Ion Ratio Lower Upper

95 100

174 57.0 46.3 69.5

175 4.2 3.4 5.0





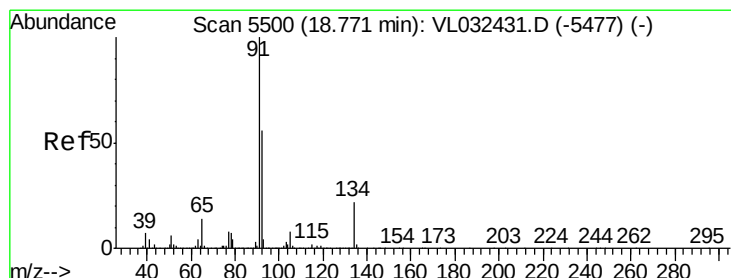
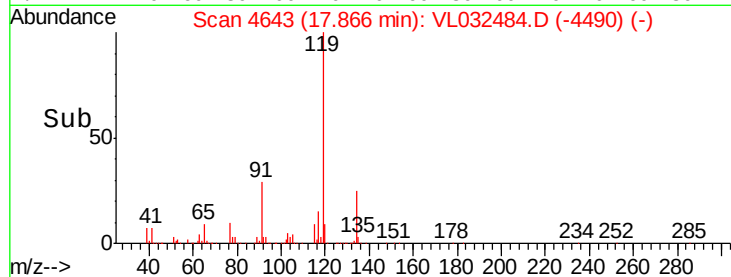
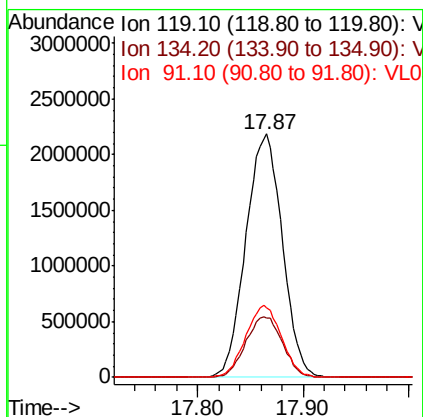
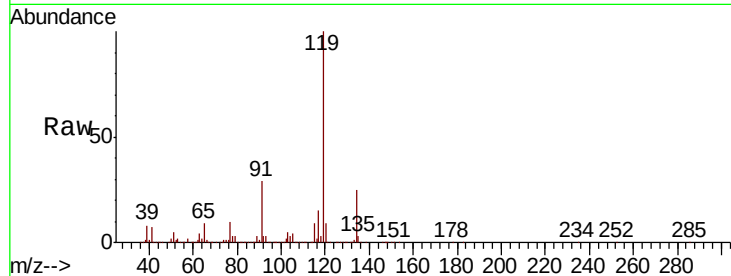
#69
 p-Isopropyltoluene
 Concen: 9.43 ppbv
 RT: 17.87 min Scan# 4643
 Delta R.T. -0.01 min
 Lab File: VL032484.D
 Acq: 10 Sep 2018 18:07

Instrument :
 MSVOA_L
 ClientSampled :
 VL0910ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.2	20.4	30.6
91	29.2	23.4	35.2

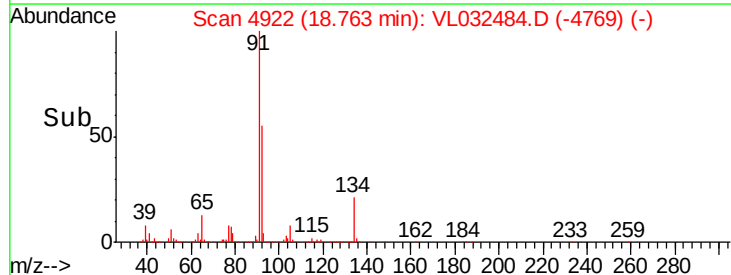
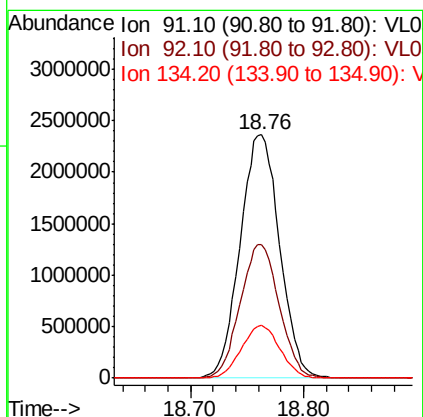
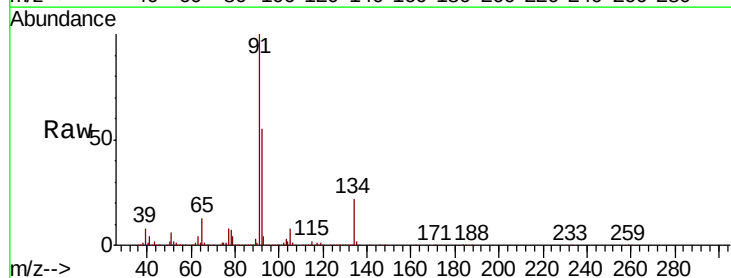
Manual Integrations
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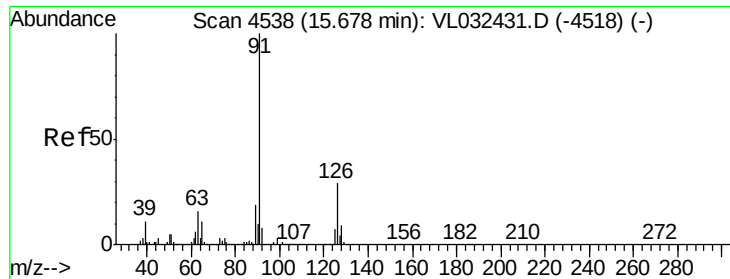
MMDadoda
 9/12/2018 3:59:34 PM



#70
 n-Butylbenzene
 Concen: 9.06 ppbv
 RT: 18.76 min Scan# 4922
 Delta R.T. -0.01 min
 Lab File: VL032484.D
 Acq: 10 Sep 2018 18:07

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.3	43.8	65.8
134	21.1	17.4	26.0





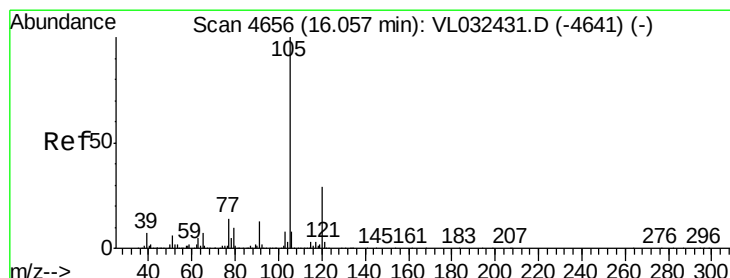
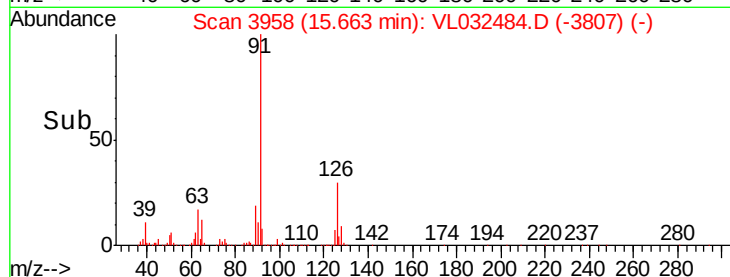
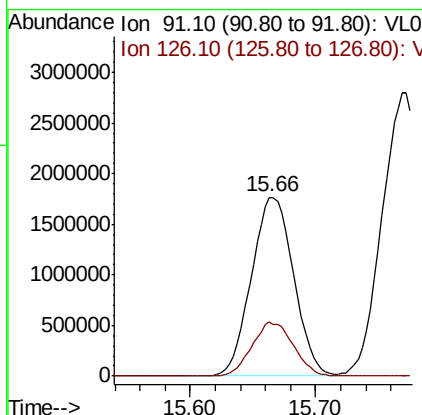
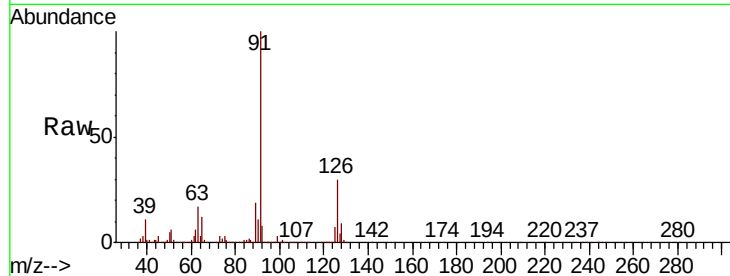
#71
 2-Chlorotoluene
 Concen: 9.79 ppbv
 RT: 15.66 min Scan# 3958
 Delta R.T. -0.01 min
 Lab File: VL032484.D
 Acq: 10 Sep 2018 18:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0910ABS01

Tot Ion: 91 Resp: 4151729
 Ion Ratio Lower Upper
 91 100
 126 29.5 11.9 47.7

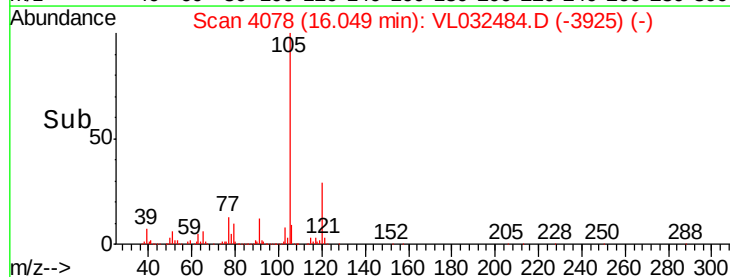
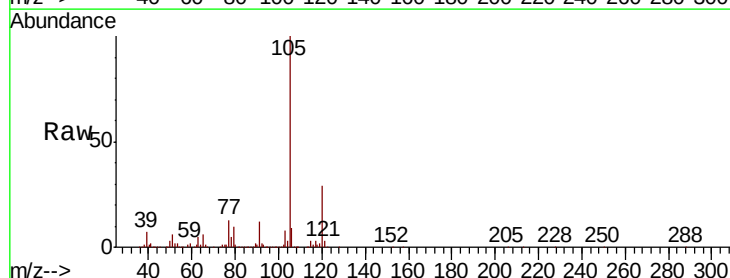
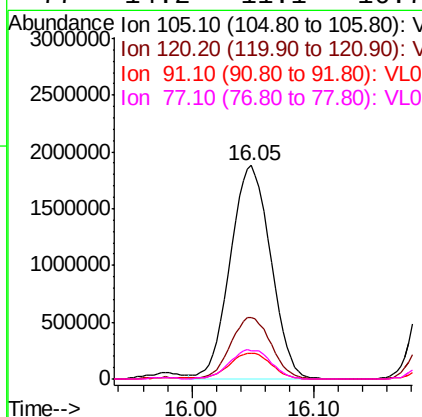
Manual Integrations
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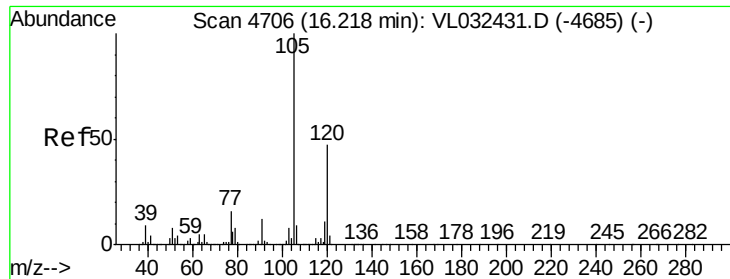
MMDadoda
 9/12/2018 3:59:34 PM



#72
 4-Ethyltoluene
 Concen: 10.00 ppbv
 RT: 16.05 min Scan# 4078
 Delta R.T. -0.01 min
 Lab File: VL032484.D
 Acq: 10 Sep 2018 18:07

Tgt Ion: 105 Resp: 4311404
 Ion Ratio Lower Upper
 105 100
 120 28.9 23.5 35.3
 91 12.4 10.2 15.2
 77 14.2 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 9.47 ppbv

RT: 16.20 min Scan# 4126

Delta R.T. -0.01 min

Lab File: VL032484.D

Acq: 10 Sep 2018 18:07

Instrument :

MSVOA_L

ClientSampleId :

VL0910ABS01

Tot Ion:105 Resp: 4091401

Ion Ratio Lower Upper

105 100

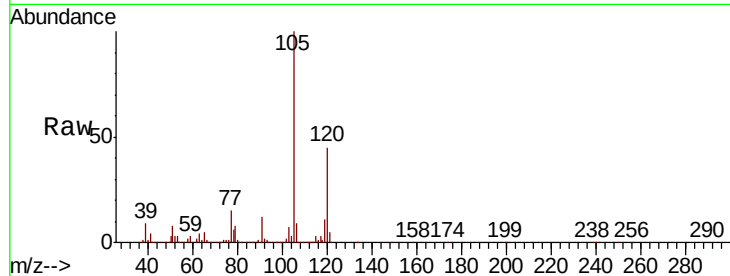
120 44.7

37.9 56.9

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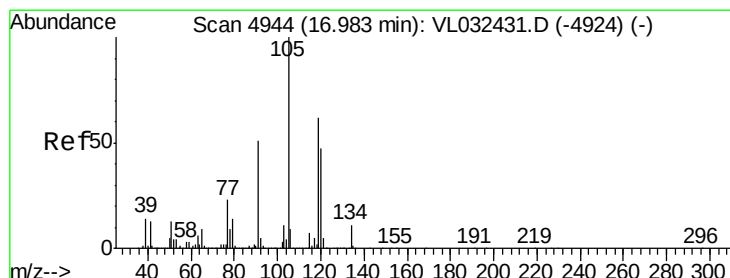
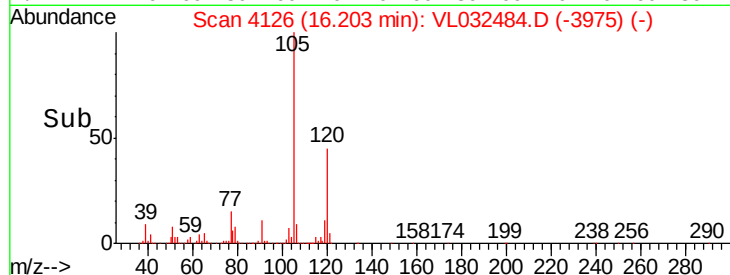
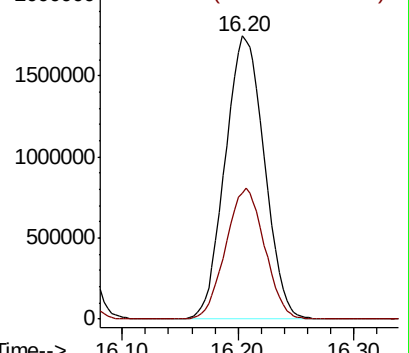
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 8.76 ppbv

RT: 16.97 min Scan# 4366

Delta R.T. -0.01 min

Lab File: VL032484.D

Acq: 10 Sep 2018 18:07

Tgt Ion:105 Resp: 4140350

Ion Ratio Lower Upper

105 100

120 48.2

37.8 56.8

91 46.8

41.4 62.0

77 22.0

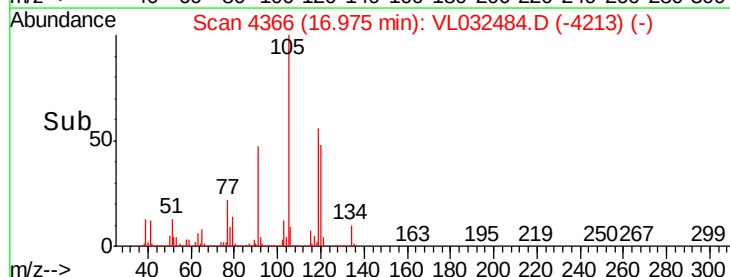
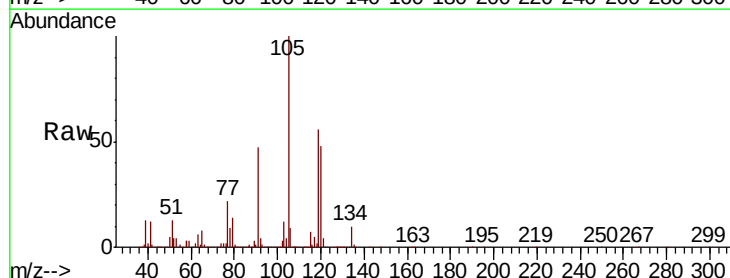
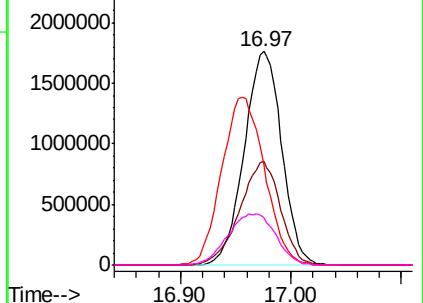
18.6 28.0

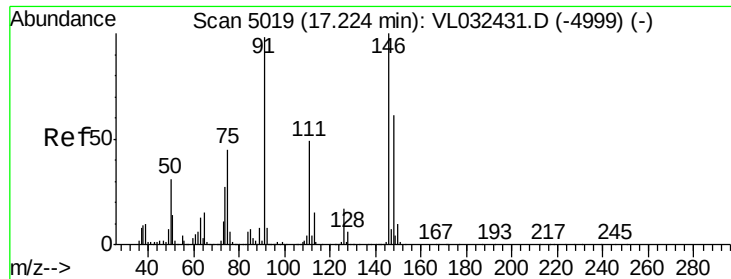
Abundance Ion 105.10 (104.80 to 105.80): V

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





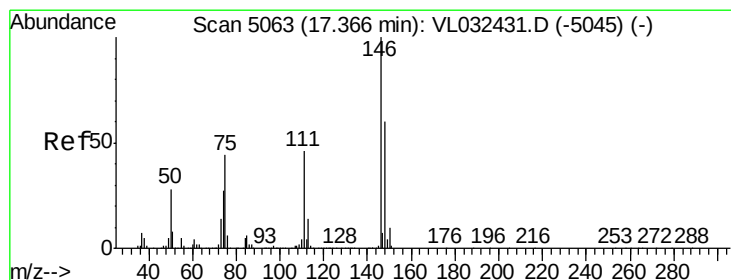
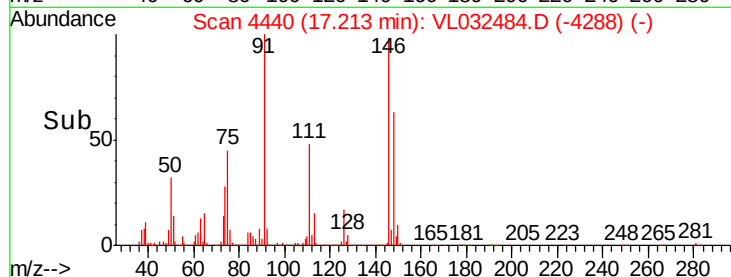
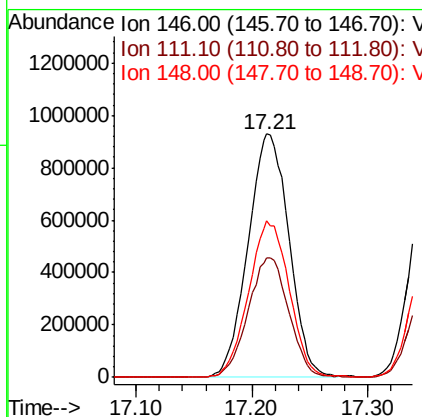
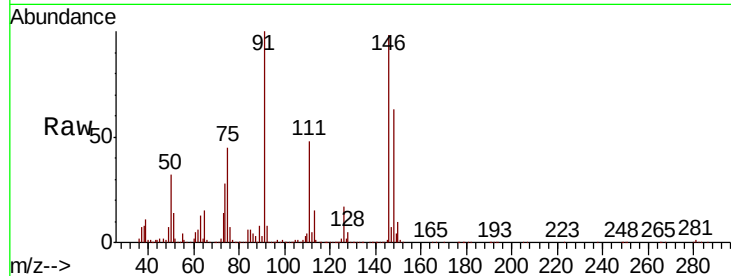
#75
 1,3-Dichlorobenzene
 Concen: 8.13 ppbv
 RT: 17.21 min Scan# 4440
 Delta R.T. -0.01 min
 Lab File: VL032484.D
 Acq: 10 Sep 2018 18:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0910ABS01

Tot Ion:146 Resp: 2279589
 Ion Ratio Lower Upper
 146 100
 111 49.0 24.5 73.5
 148 63.7 32.0 96.2

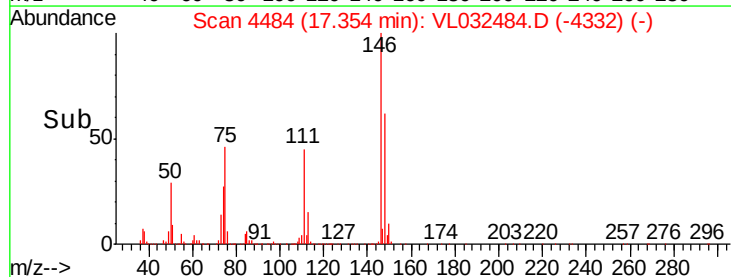
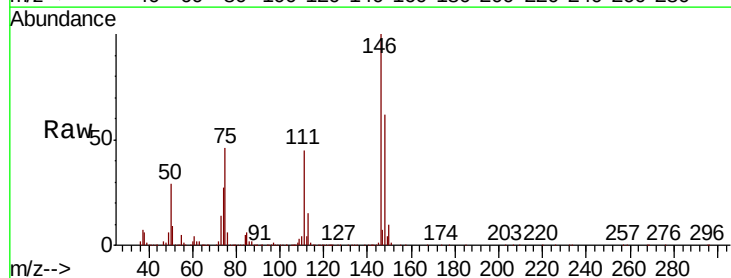
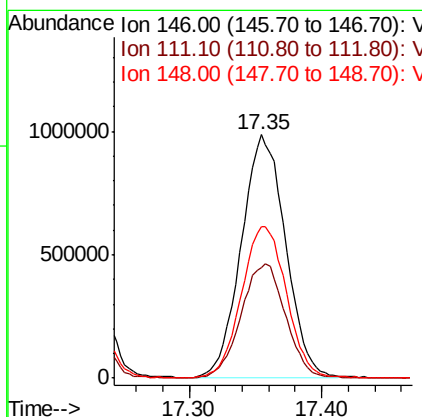
Manual Integrations
 APPROVED

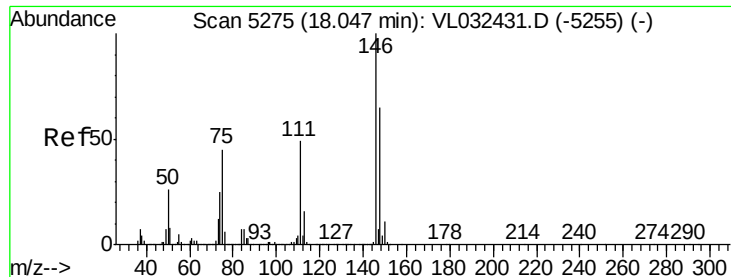
MMDadoda
 9/12/2018 3:59:34 PM



#76
 1,4-Dichlorobenzene
 Concen: 8.78 ppbv
 RT: 17.35 min Scan# 4484
 Delta R.T. -0.01 min
 Lab File: VL032484.D
 Acq: 10 Sep 2018 18:07

Tgt Ion:146 Resp: 2282150
 Ion Ratio Lower Upper
 146 100
 111 47.1 23.4 70.2
 148 63.7 32.0 96.2





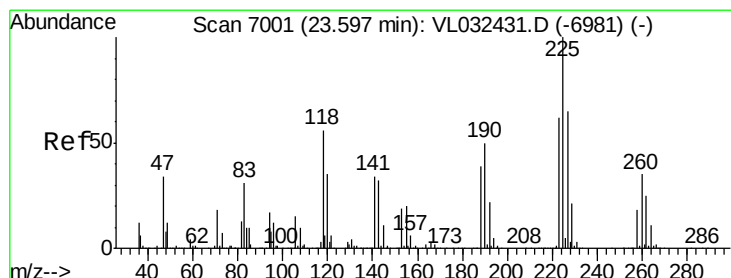
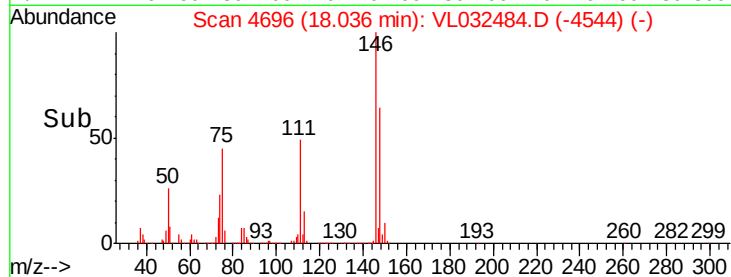
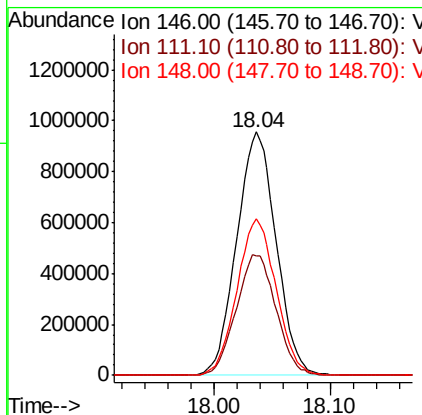
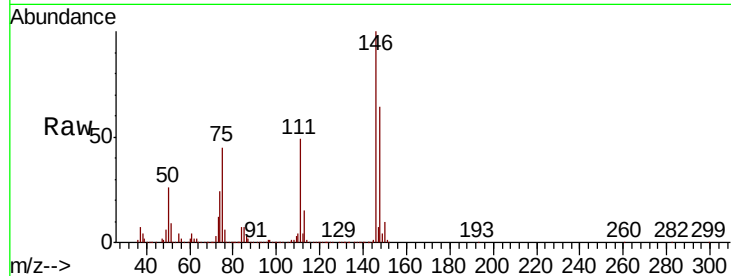
#77
 1,2-Dichlorobenzene
 Concen: 8.33 ppbv
 RT: 18.04 min Scan# 4696
 Delta R.T. -0.01 min
 Lab File: VL032484.D
 Acq: 10 Sep 2018 18:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0910ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	50.2	24.9	74.8
148	63.9	32.0	96.0

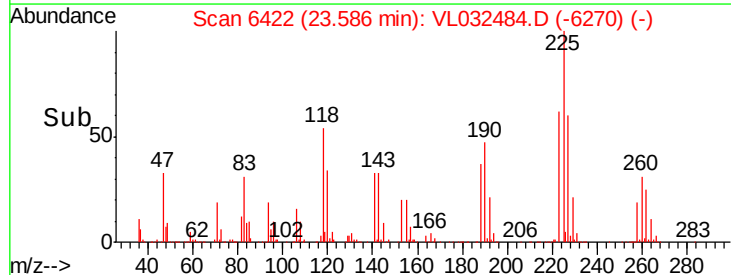
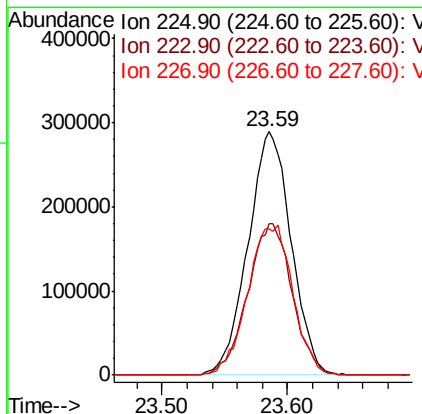
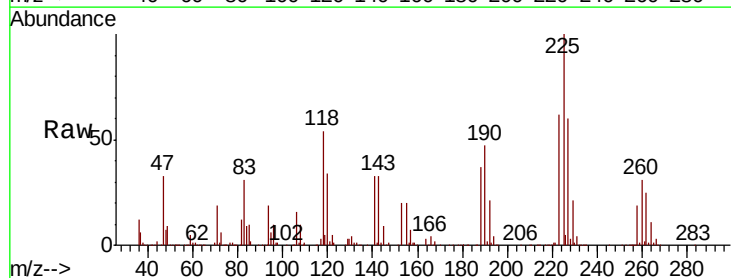
Manual Integrations
 APPROVED

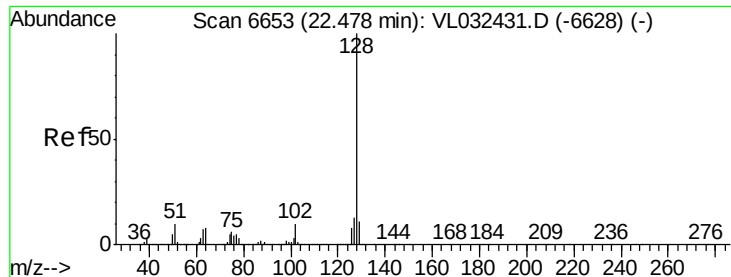
MMDadoda
 9/12/2018 3:59:34 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 6.86 ppbv
 RT: 23.59 min Scan# 6422
 Delta R.T. -0.01 min
 Lab File: VL032484.D
 Acq: 10 Sep 2018 18:07

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.7	50.6	76.0
227	64.3	51.2	76.8





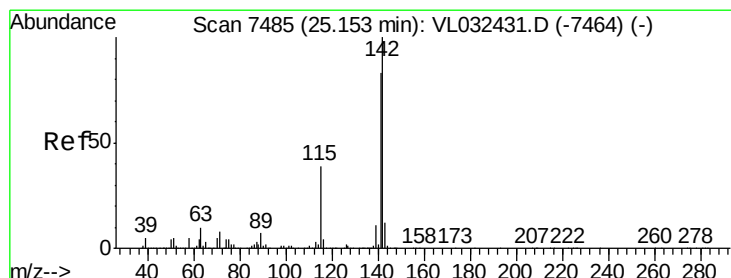
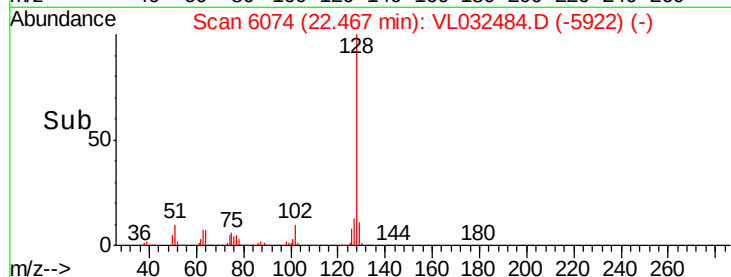
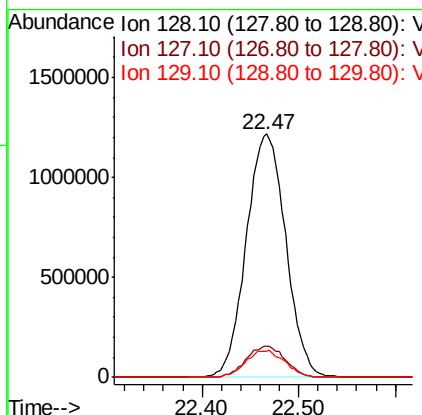
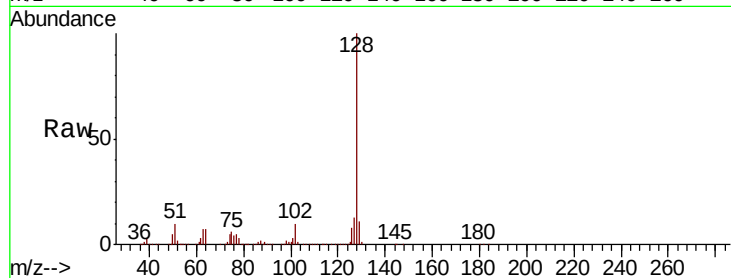
#79
Naphthalene
Concen: 8.98 ppbv
RT: 22.47 min Scan# 6074
Delta R.T. -0.01 min
Lab File: VL032484.D
Acq: 10 Sep 2018 18:07

Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.9	8.5	12.7

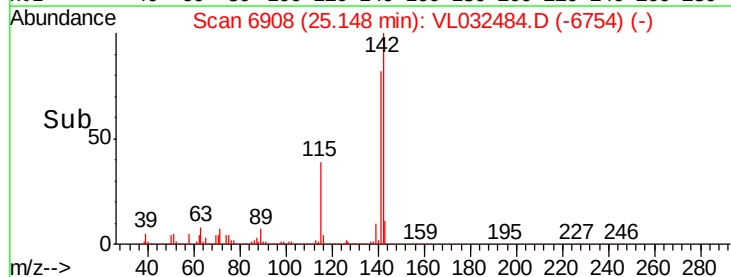
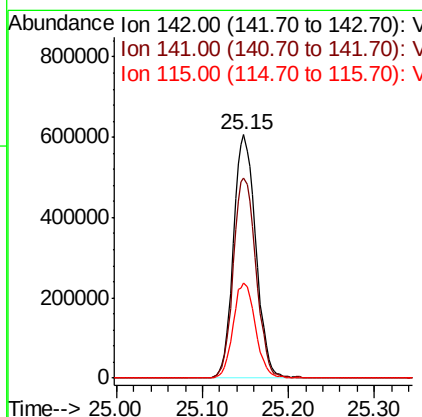
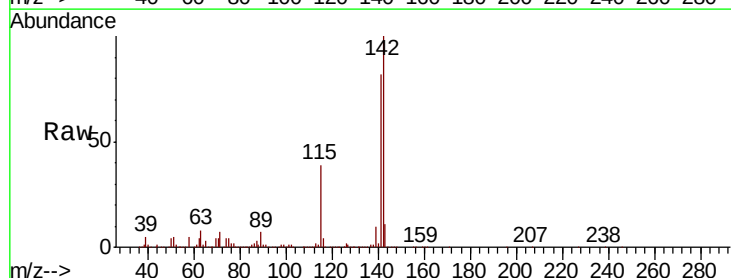
Manual Integrations
APPROVED

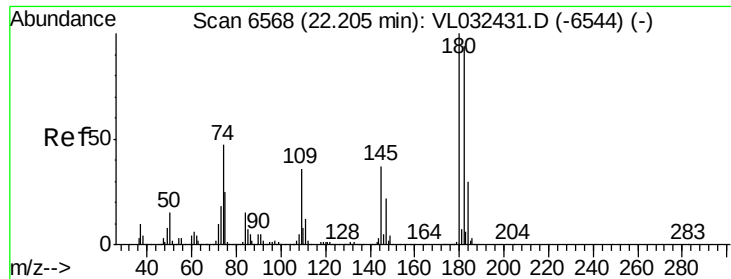
MMDadoda
9/12/2018 3:59:34 PM



#80
Naphthalene, 2-methyl-
Concen: 10.71 ppbv
RT: 25.15 min Scan# 6908
Delta R.T. -0.01 min
Lab File: VL032484.D
Acq: 10 Sep 2018 18:07

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.2	67.0	100.6
115	39.1	31.3	46.9





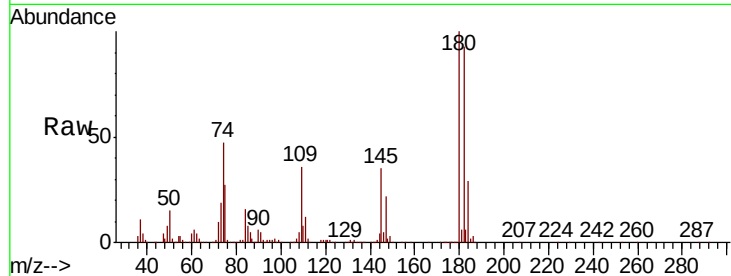
#81
 1,2,4-Trichlorobenzene
 Concen: 8.45 ppbv m
 RT: 22.19 min Scan# 5987
 Delta R.T. -0.02 min
 Lab File: VL032484.D
 Acq: 10 Sep 2018 18:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0910ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	76.1	114.1#
184	0.0	23.8	35.8#

Manual Integrations
 APPROVED

MMDadoda
 9/12/2018 3:59:34 PM



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

