

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL083118\
 Data File : VL032437.D
 Acq On : 31 Aug 2018 4:27
 Operator : SY/AP
 Sample : VSTDIC015
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Manual Integrations
 APPROVED

apatel
 9/4/2018 8:25:42 AM

Quant Time: Aug 31 21:28:46 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 04:25:10 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.81	49	2032019	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.35	114	4287889	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.30	117	4382994m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.64	95	3176019	9.72	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.20%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.11	85	2223385	12.22	ppbv	99
3) Chlorodifluoromethane	3.04	51	2555453	14.53	ppbv	100
4) Chloromethane	3.20	50	1590213	14.76	ppbv	97
5) Vinyl Chloride	3.32	62	1505353	15.79	ppbv	99
6) Bromomethane	3.55	94	842102	14.52	ppbv	99
7) Chloroethane	3.64	64	553277	14.77	ppbv	100
8) Dichlorotetrafluoroethane	3.25	85	3043586	13.61	ppbv	100
9) Propene	3.07	41	1218520	17.52	ppbv	99
10) Heptane	8.30	43	4147257	16.50	ppbv	99
11) Trichlorofluoromethane	4.04	101	3125982	13.71	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.59	101	2127301	13.96	ppbv	99
13) Ethanol	3.68	45	266175	11.82	ppbv	96
14) Bromoethene	3.82	108	990126	14.97	ppbv	100
15) Acetone	3.94	43	2455709	12.67	ppbv	100
16) 1,3-Butadiene	3.40	39	1299454	16.08	ppbv	91
17) tert-Butyl alcohol	4.40	59	416976	13.12	ppbv	98
18) 1,1-Dichloroethene	4.40	96	1045006	14.94	ppbv	96
19) Isopropyl Alcohol	4.06	45	1739773	14.24	ppbv #	98
20) Methylene Chloride	4.45	84	920650	12.79	ppbv	94
21) Allyl Chloride	4.52	41	1843742	15.08	ppbv	100
22) trans-1,2-Dichloroethene	5.01	96	1097925	14.56	ppbv	97
23) Vinyl Acetate	5.20	43	4680093	15.67	ppbv	98
24) 1,1-Dichloroethane	5.14	63	3351705	13.99	ppbv	100
25) Ethyl Acetate	5.82	43	6025368	14.72	ppbv	100
26) Hexane	5.83	57	2802523	15.28	ppbv	100
27) Carbon Disulfide	4.66	76	2759646	15.68	ppbv	99
28) Methyl tert-Butyl Ether	5.16	73	3611735	15.96	ppbv	100
29) Chloroform	5.90	83	4092711	14.45	ppbv	99
30) Cyclohexane	7.30	84	2284693	16.87	ppbv	99
31) cis-1,2-Dichloroethene	5.69	61	2787441	16.65	ppbv	99
32) 1,1,1-Trichloroethane	6.68	97	3781803	15.46	ppbv	99
34) 2-Butanone	5.38	43	3914506	14.34	ppbv	100
35) Carbon Tetrachloride	7.19	117	3786885	14.26	ppbv	99
36) Benzene	7.06	78	5395644	15.20	ppbv	99
37) 1,2-Dichloroethane	6.47	62	3096826	14.08	ppbv	100
38) Trichloroethene	8.02	130	1862655	15.71	ppbv	99
39) 1,2-Dichloropropane	7.79	63	2228912	14.95	ppbv	99
40) 1,4-Dioxane	8.01	88	608648	13.69	ppbv #	1
41) Tetrahydrofuran	6.20	42	2477142	16.96	ppbv	99
42) Bromodichloromethane	7.97	83	4257536	14.16	ppbv	98
43) Methyl Methacrylate	8.19	69	2549009	17.43	ppbv	100

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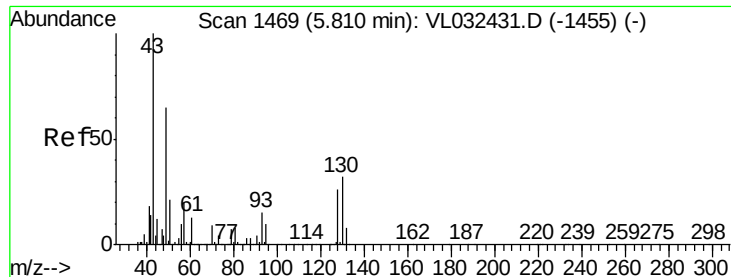
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 31

QLast Update : Fri Aug 31 04:25:10 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.04	57	9395687	14.18	ppbv	99
45) t-1,3-Dichloropropene	9.47	75	3082337	17.74	ppbv	98
46) cis-1,3-Dichloropropene	8.89	75	3556076	16.73	ppbv	100
47) 1,1,2-Trichloroethane	9.67	97	2336166	14.63	ppbv	99
48) Dibromochloromethane	10.51	129	3313062	14.73	ppbv	100
49) Bromoform	13.26	173	2868339	14.52	ppbv	99
50) 4-Methyl-2-Pentanone	8.92	43	6366187	15.04	ppbv	99
51) 2-Hexanone	10.33	43	4599655	16.46	ppbv	99
52) Tetrachloroethene	11.43	164	1602800	15.74	ppbv	98
53) Toluene	10.01	91	6500485	17.48	ppbv	99
54) 1,2-Dibromoethane	10.82	107	3122986	13.54	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.34	131	2454608	13.01	ppbv #	69
57) Chlorobenzene	12.36	112	4391925	13.08	ppbv	99
58) Ethyl Benzene	12.93	91	8049560	16.10	ppbv	99
59) m/p-Xylene	13.21	91	12980255m	29.15	ppbv	
60) o-Xylene	13.91	91	6302787	14.73	ppbv	98
61) Styrene	13.75	104	4911838	17.09	ppbv	100
62) Isopropylbenzene	14.89	105	8940084	14.76	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.90	83	4826447	12.91	ppbv	100
64) n-propylbenzene	15.78	120	2382917	15.05	ppbv	97
65) tert-Butylbenzene	16.97	119	7379994	14.19	ppbv	100
66) Benzyl Chloride	17.22	91	4736440	14.69	ppbv	100
67) sec-Butylbenzene	17.52	105	11033468	14.26	ppbv	100
69) p-Isopropyltoluene	17.88	119	8904326	15.02	ppbv	100
70) n-Butylbenzene	18.77	91	9765833	14.85	ppbv	99
71) 2-Chlorotoluene	15.68	91	7166498	15.48	ppbv	100
72) 4-Ethyltoluene	16.06	105	7553467	16.21	ppbv	99
73) 1,3,5-Trimethylbenzene	16.22	105	7138763	16.03	ppbv	98
74) 1,2,4-Trimethylbenzene	16.99	105	6902826	14.36	ppbv	94
75) 1,3-Dichlorobenzene	17.23	146	3932064	12.83	ppbv	100
76) 1,4-Dichlorobenzene	17.37	146	4035135	14.32	ppbv	100
77) 1,2-Dichlorobenzene	18.05	146	4055014	13.77	ppbv	100
78) Hexachloro-1,3-Butadiene	23.59	225	1489480	11.72	ppbv	99
79) Naphthalene	22.48	128	6939665	21.72	ppbv	98
80) Naphthalene, 2-methyl-	25.15	142	2692027	32.18	ppbv	99
81) 1,2,4-Trichlorobenzene	22.20	180	3239042	18.69	ppbv	99

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



#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.81 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VL032437.D

Acq: 31 Aug 2018 4:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 49 Resp: 2032019

Ion Ratio Lower Upper

49 100

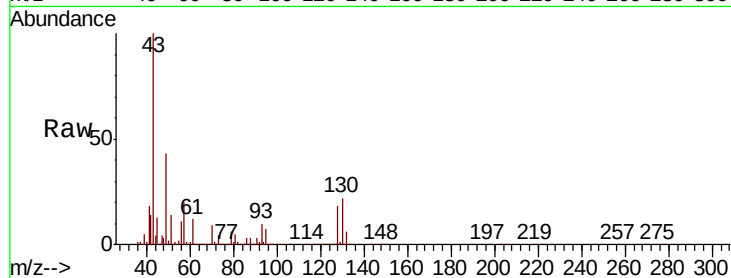
128 41.6 20.7 62.1

130 53.0 26.7 80.0

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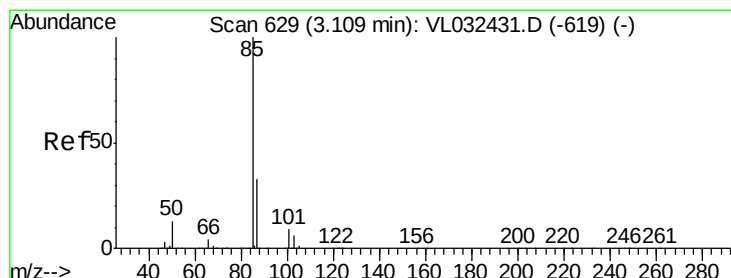
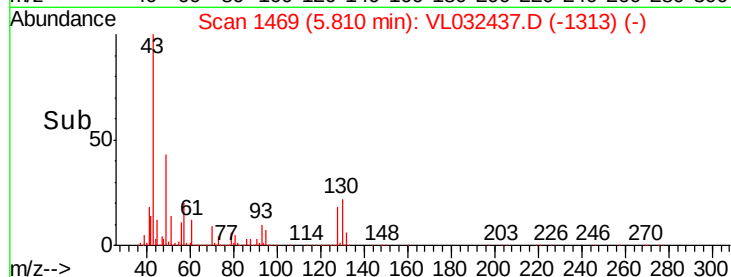
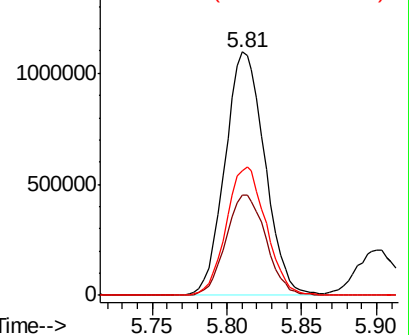
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 12.22 ppbv

RT: 3.11 min Scan# 628

Delta R.T. -0.00 min

Lab File: VL032437.D

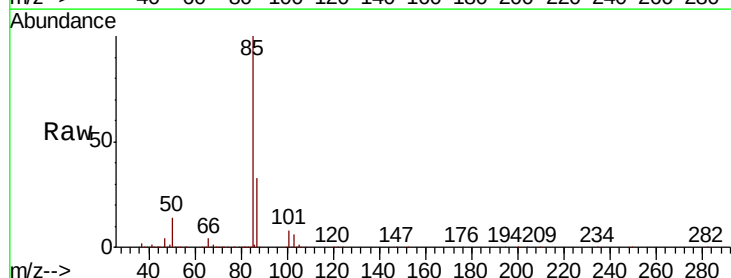
Acq: 31 Aug 2018 4:27

Tgt Ion: 85 Resp: 2223385

Ion Ratio Lower Upper

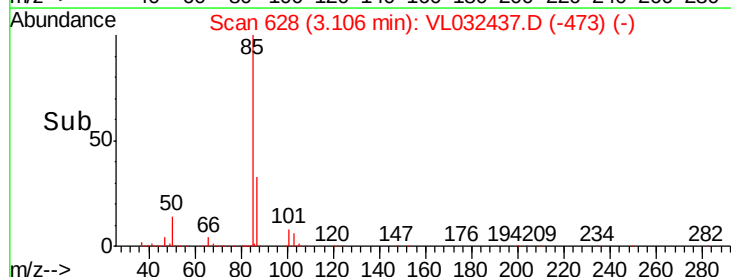
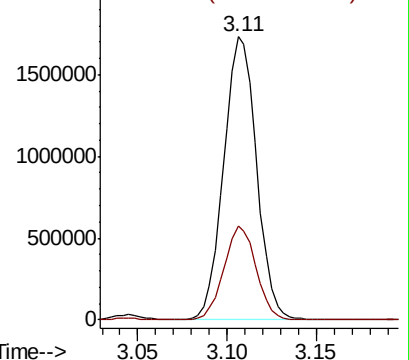
85 100

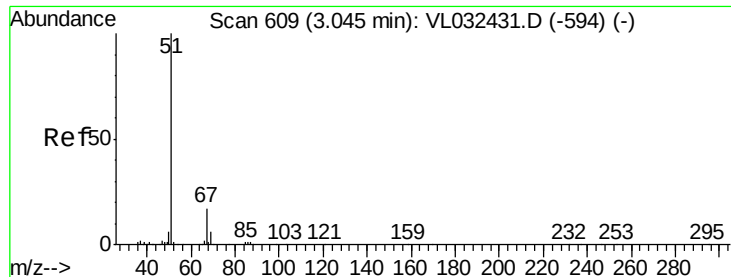
87 33.2 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 14.53 ppbv

RT: 3.04 min Scan# 609

Delta R.T. 0.00 min

Lab File: VL032437.D

Acq: 31 Aug 2018 4:27

Tot Ion: 51 Resp: 2555453

Ion Ratio Lower Upper

51 100

67 17.5 13.8 20.8

Instrument :

MSVOA_L

ClientSampleId :

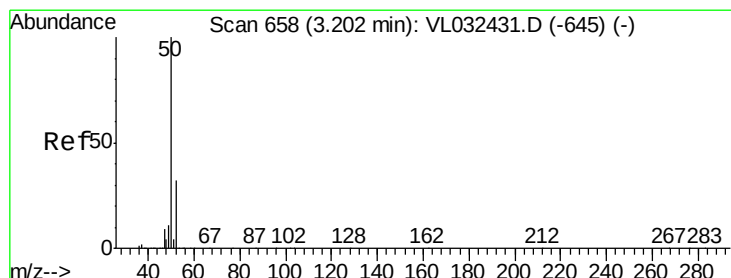
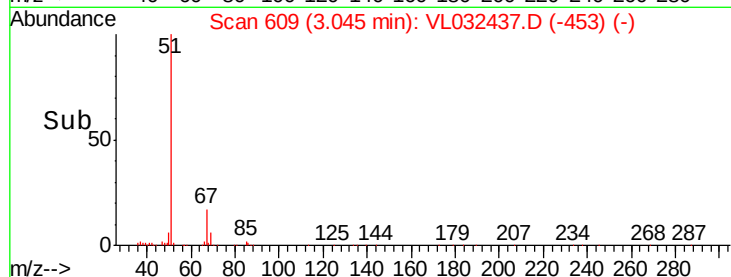
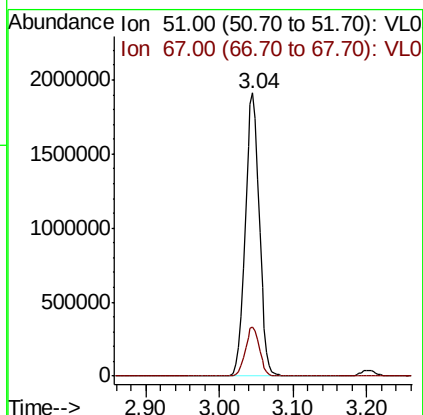
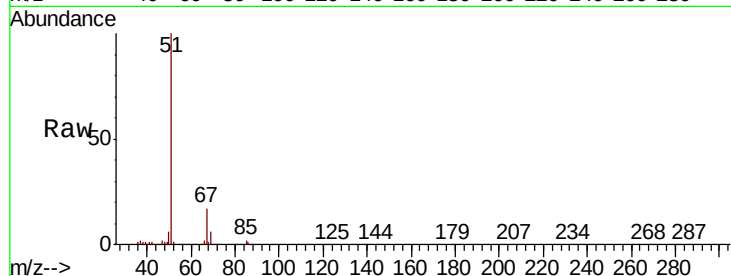
VSTDIC015

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#4

Chloromethane

Concen: 14.76 ppbv

RT: 3.20 min Scan# 658

Delta R.T. 0.00 min

Lab File: VL032437.D

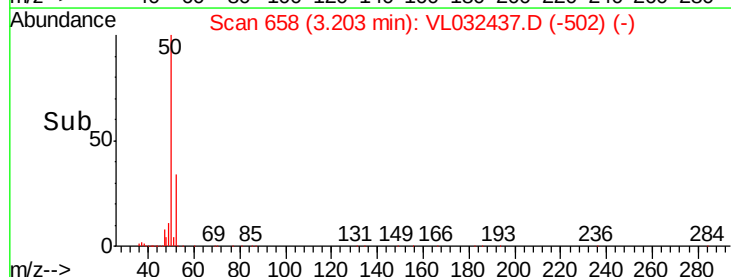
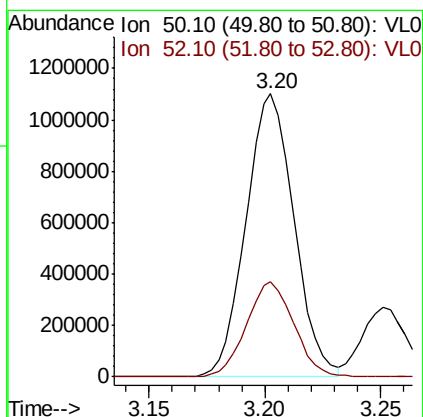
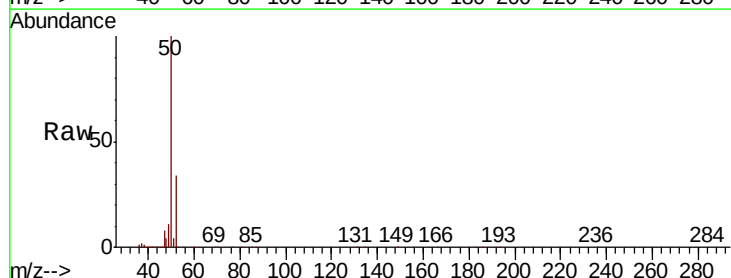
Acq: 31 Aug 2018 4:27

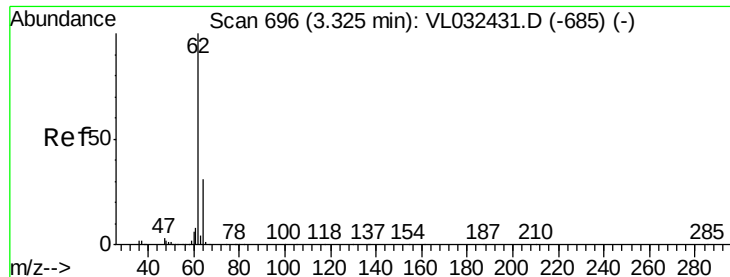
Tgt Ion: 50 Resp: 1590213

Ion Ratio Lower Upper

50 100

52 33.5 25.6 38.4





#5

Vinyl Chloride

Concen: 15.79 ppbv

RT: 3.32 min Scan# 696

Delta R.T. 0.00 min

Lab File: VL032437.D

Acq: 31 Aug 2018 4:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 62 Resp: 1505353

Ion Ratio Lower Upper

62 100

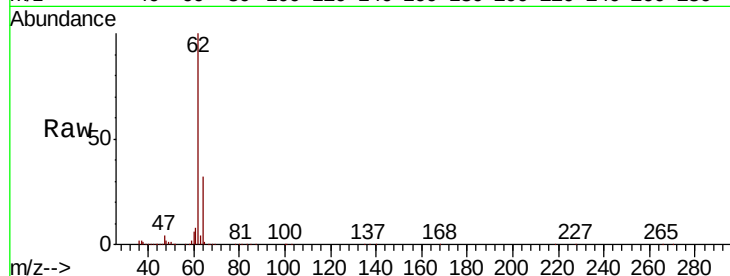
64 31.8 25.0 37.6

Manual Integrations

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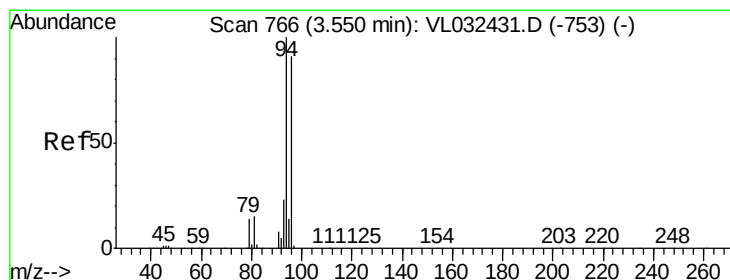
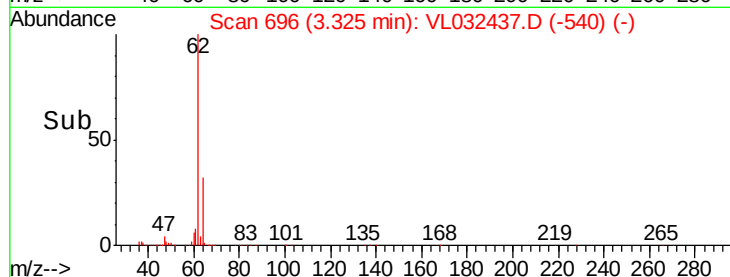
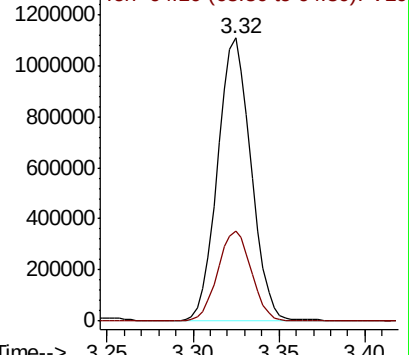
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 14.52 ppbv

RT: 3.55 min Scan# 766

Delta R.T. 0.00 min

Lab File: VL032437.D

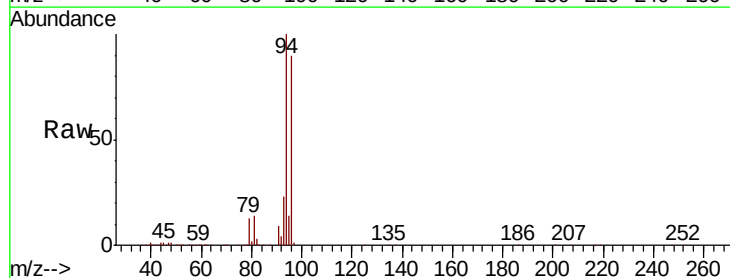
Acq: 31 Aug 2018 4:27

Tgt Ion: 94 Resp: 842102

Ion Ratio Lower Upper

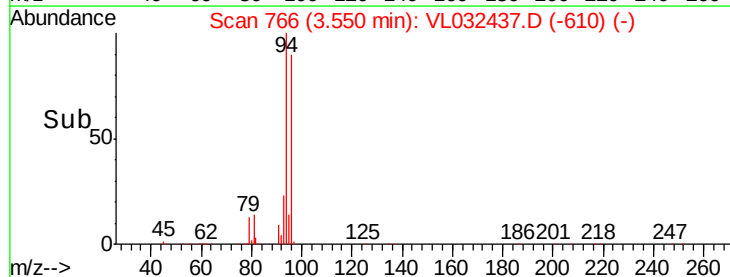
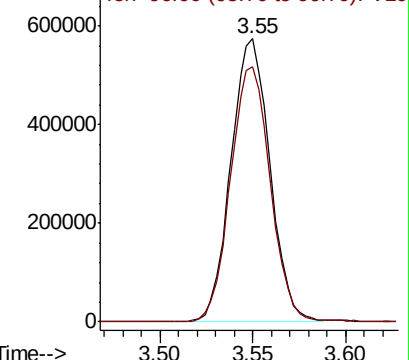
94 100

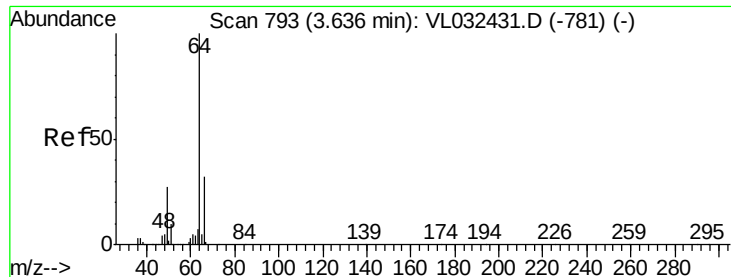
96 90.3 72.8 109.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 14.77 ppbv

RT: 3.64 min Scan# 793

Delta R.T. 0.00 min

Lab File: VL032437.D

Acq: 31 Aug 2018 4:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 64 Resp: 553277

Ion Ratio Lower Upper

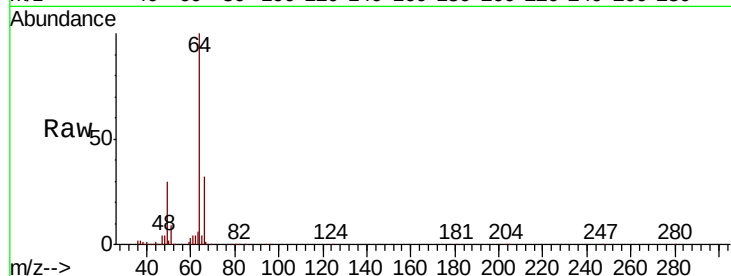
64 100

66 32.4 25.8 38.6

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.64

400000

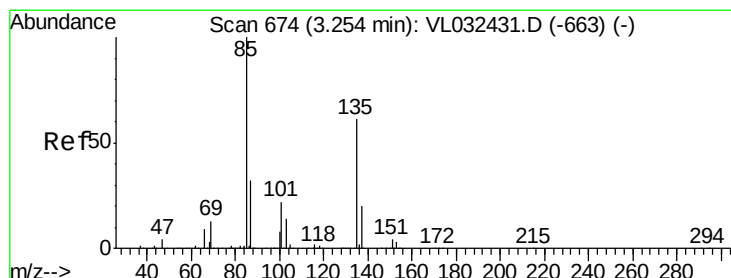
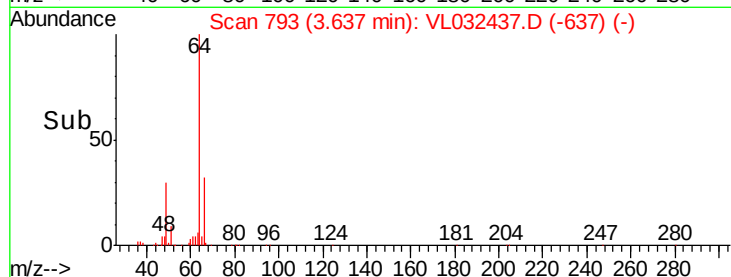
300000

200000

100000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 13.61 ppbv

RT: 3.25 min Scan# 673

Delta R.T. -0.00 min

Lab File: VL032437.D

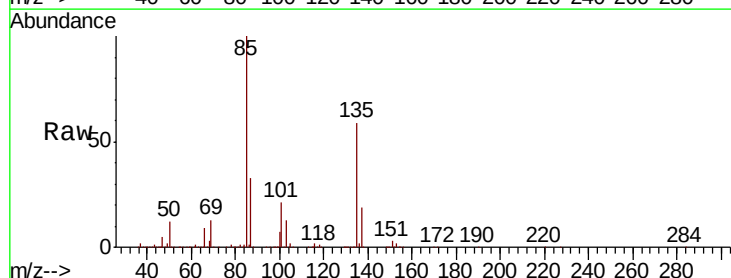
Acq: 31 Aug 2018 4:27

Tgt Ion: 85 Resp: 3043586

Ion Ratio Lower Upper

85 100

135 60.9 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

2500000

2000000

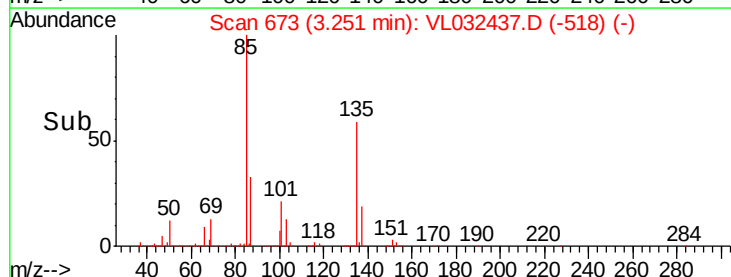
1500000

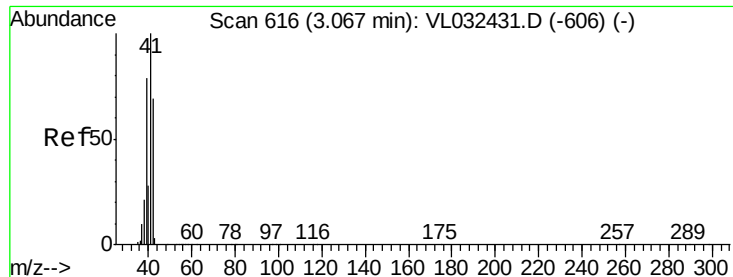
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500000

0

Time-->





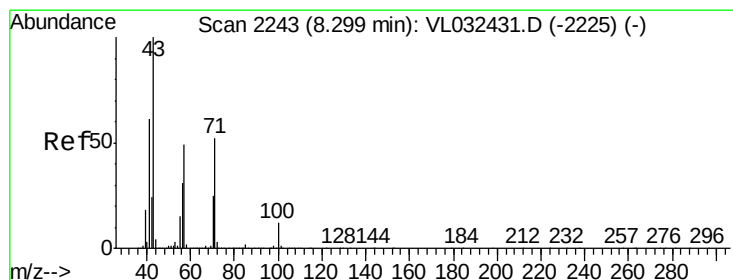
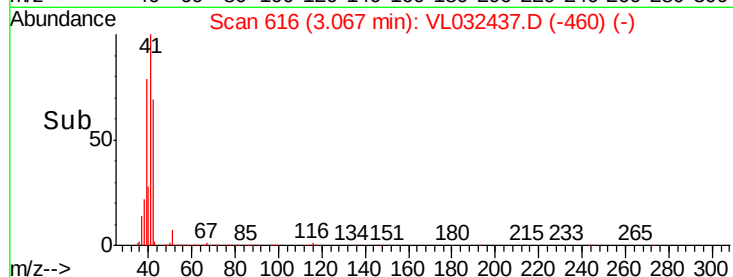
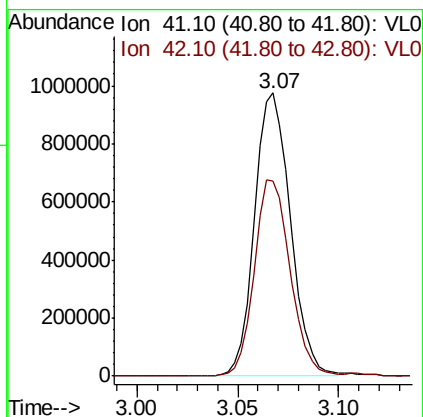
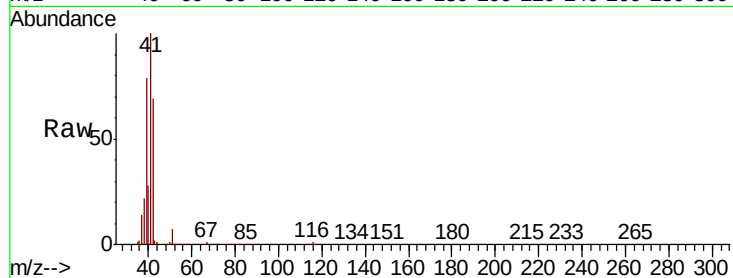
#9
 Propene
 Concen: 17.52 ppbv
 RT: 3.07 min Scan# 616
 Delta R.T. 0.00 min
 Lab File: VL032437.D
 Acq: 31 Aug 2018 4:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion: 41 Resp: 1218520
 Ion Ratio Lower Upper
 41 100
 42 70.1 56.6 84.8

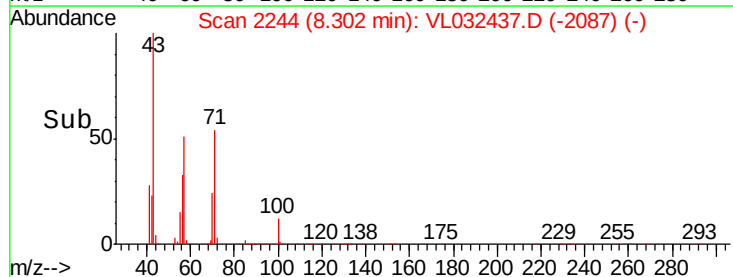
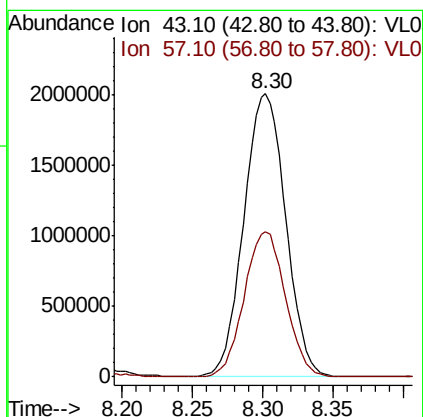
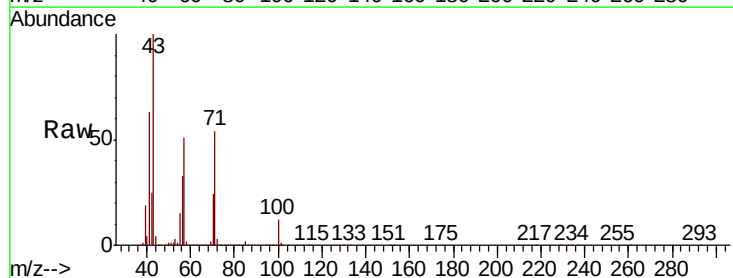
Manual Integrations
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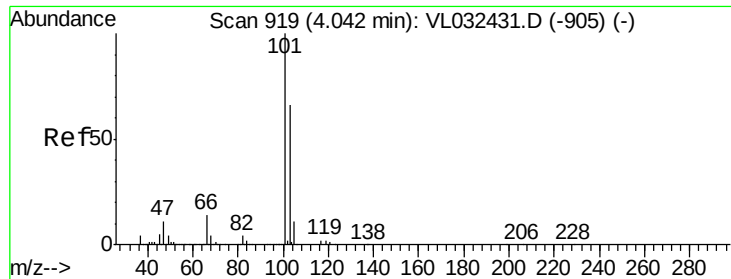
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#10
 Heptane
 Concen: 16.50 ppbv
 RT: 8.30 min Scan# 2244
 Delta R.T. 0.00 min
 Lab File: VL032437.D
 Acq: 31 Aug 2018 4:27

Tgt Ion: 43 Resp: 4147257
 Ion Ratio Lower Upper
 43 100
 57 50.6 39.8 59.6





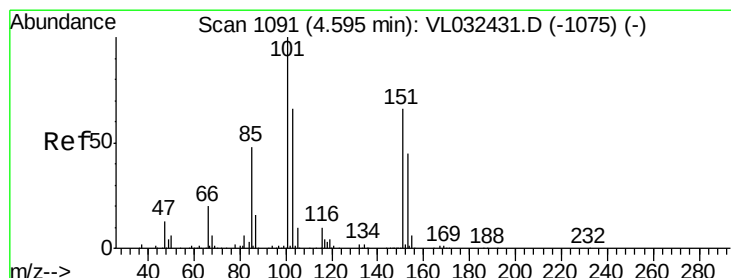
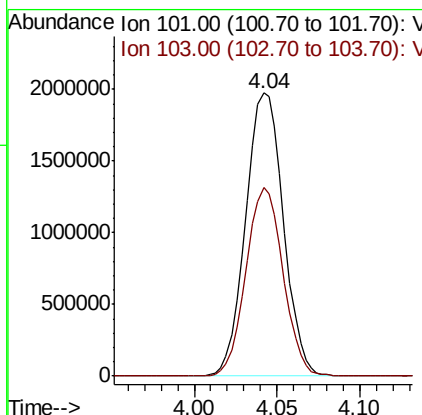
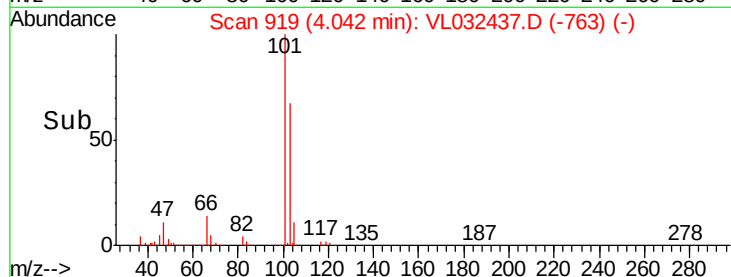
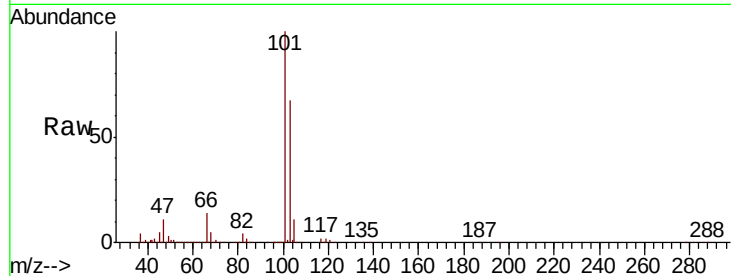
#11
 Trichlorofluoromethane
 Concen: 13.71 ppbv
 RT: 4.04 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VL032437.D
 Acq: 31 Aug 2018 4:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion:101 Resp: 3125982
 Ion Ratio Lower Upper
 101 100
 103 66.7 52.8 79.2

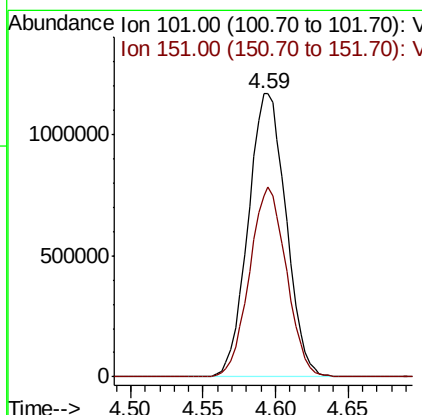
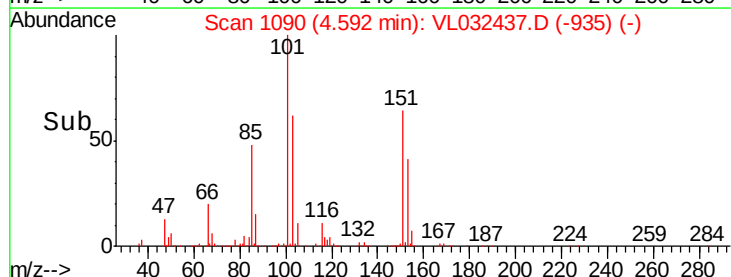
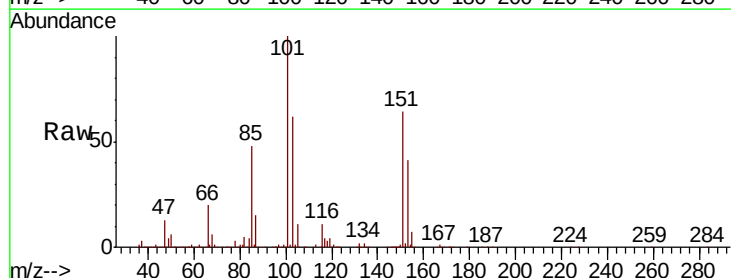
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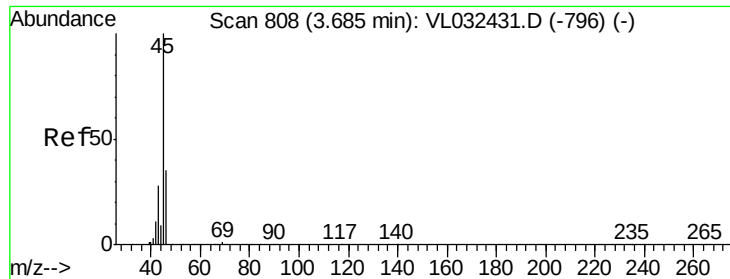
apatel
 9/4/2018 8:25:42 AM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 13.96 ppbv
 RT: 4.59 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VL032437.D
 Acq: 31 Aug 2018 4:27

Tgt Ion:101 Resp: 2127301
 Ion Ratio Lower Upper
 101 100
 151 65.2 52.6 78.8





#13

Ethanol

Concen: 11.82 ppbv

RT: 3.68 min Scan# 808

Delta R.T. 0.00 min

Lab File: VL032437.D

Acq: 31 Aug 2018 4:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 45 Resp: 266175

Ion Ratio Lower Upper

45 100

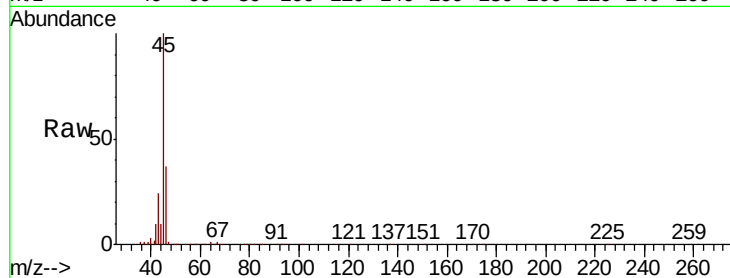
46 37.3 13.9 55.7

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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

3.68

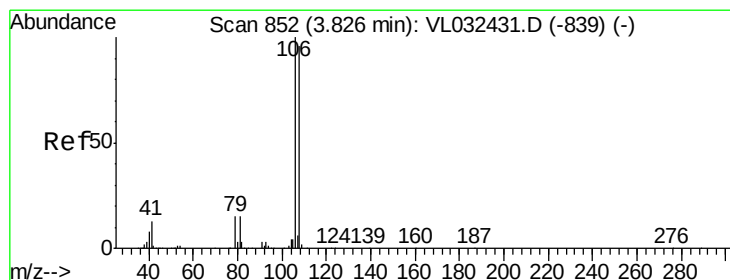
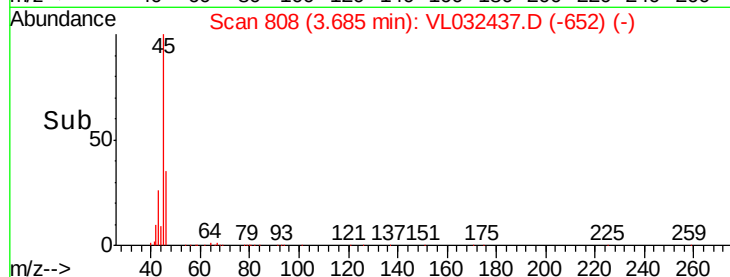
150000

100000

50000

0

Time-->



#14

Bromoethene

Concen: 14.97 ppbv

RT: 3.82 min Scan# 851

Delta R.T. -0.00 min

Lab File: VL032437.D

Acq: 31 Aug 2018 4:27

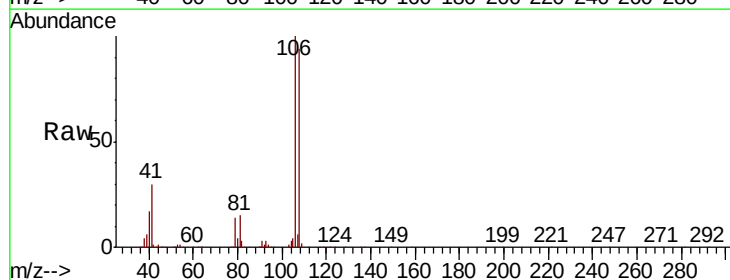
Tgt Ion: 108 Resp: 990126

Ion Ratio Lower Upper

108 100

106 107.3 85.5 128.3

79 16.1 13.0 19.6



Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0

1000000

800000

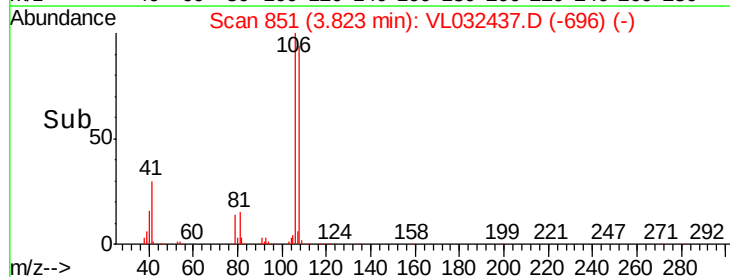
600000

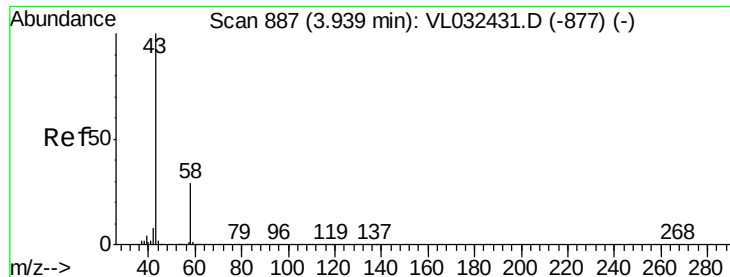
400000

200000

0

Time-->





#15

Acetone

Concen: 12.67 ppbv

RT: 3.94 min Scan# 887

Delta R.T. 0.00 min

Lab File: VL032437.D

Acq: 31 Aug 2018 4:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 43 Resp: 2455709

Ion Ratio Lower Upper

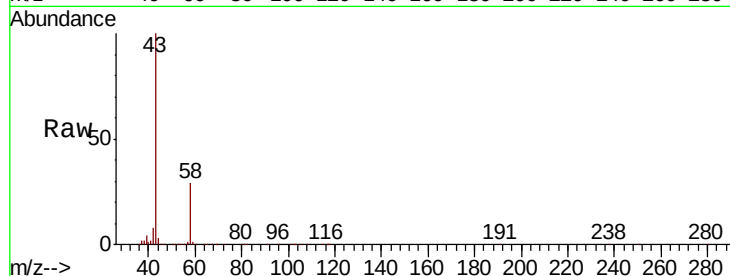
43 100

58 28.1 22.6 33.8

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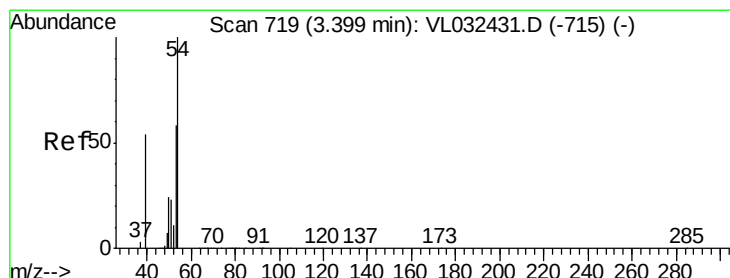
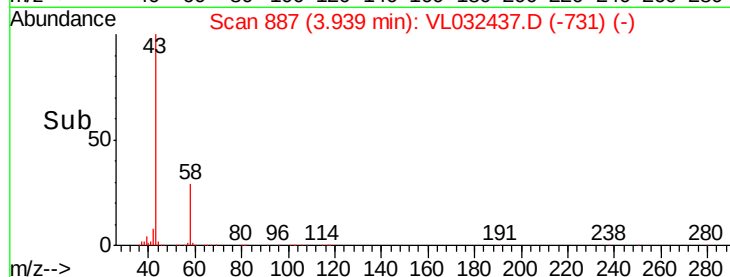
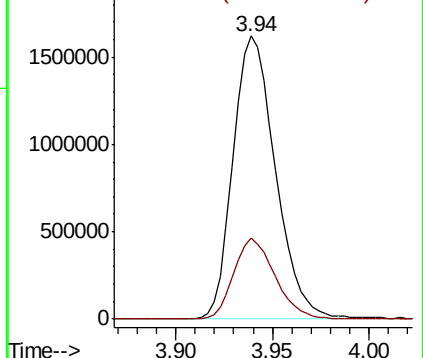
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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 16.08 ppbv

RT: 3.40 min Scan# 718

Delta R.T. -0.00 min

Lab File: VL032437.D

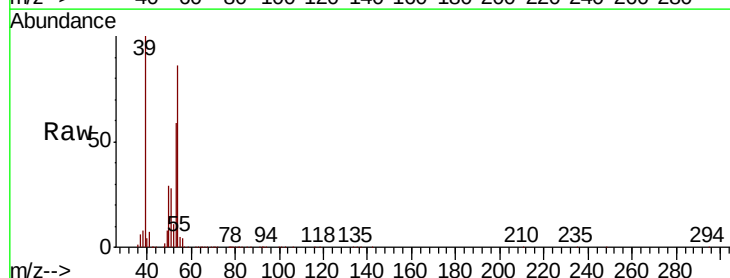
Acq: 31 Aug 2018 4:27

Tgt Ion: 39 Resp: 1299454

Ion Ratio Lower Upper

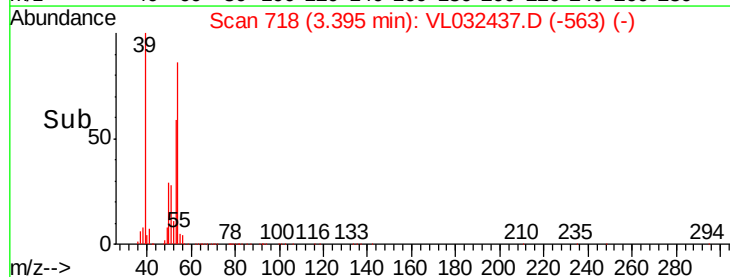
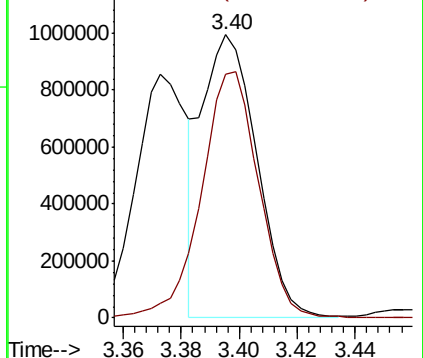
39 100

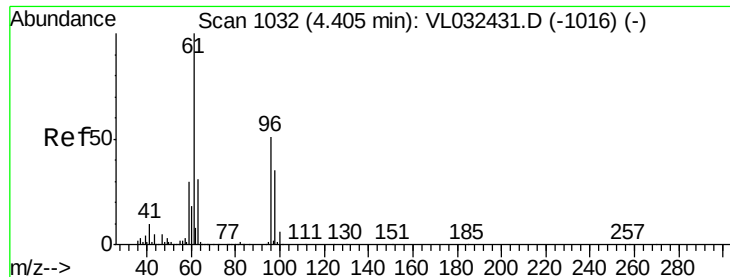
54 92.2 80.8 121.2



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

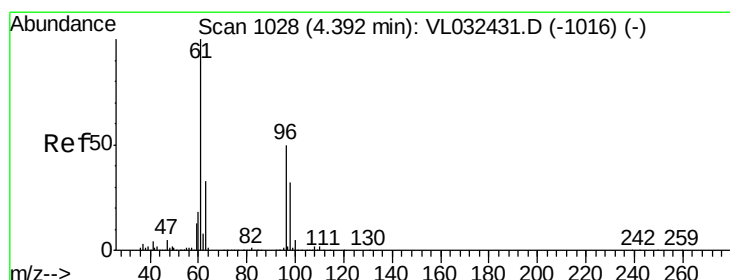
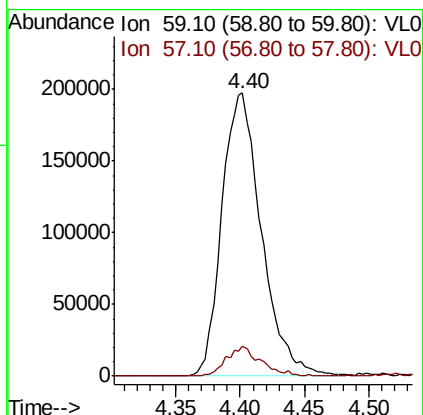
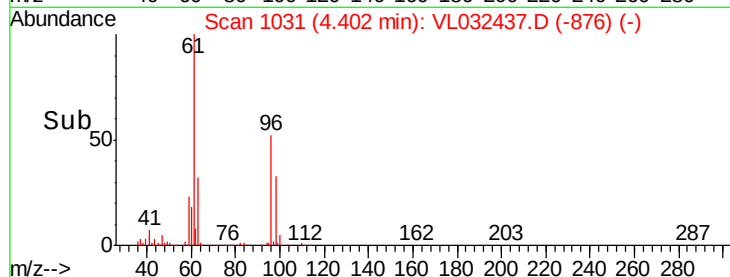
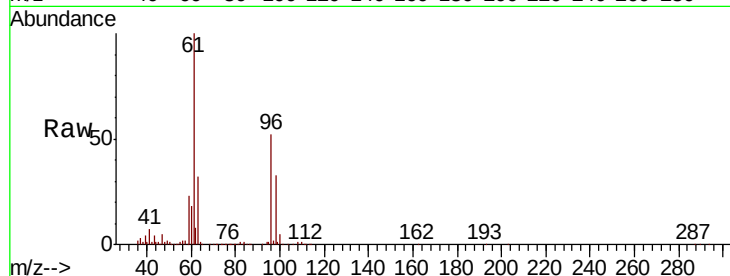
tert-Butyl alcohol
 Concen: 13.12 ppbv
 RT: 4.40 min Scan# 1031
 Delta R.T. -0.00 min
 Lab File: VL032437.D
 Acq: 31 Aug 2018 4:27

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.3	7.0	10.4

Manual Integrations
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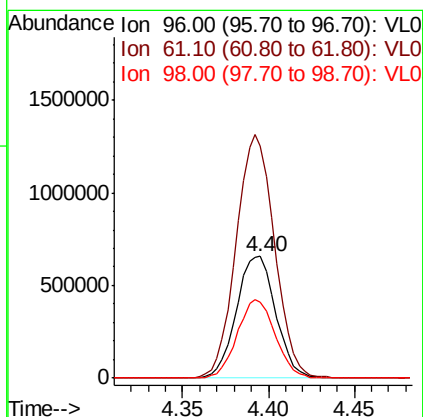
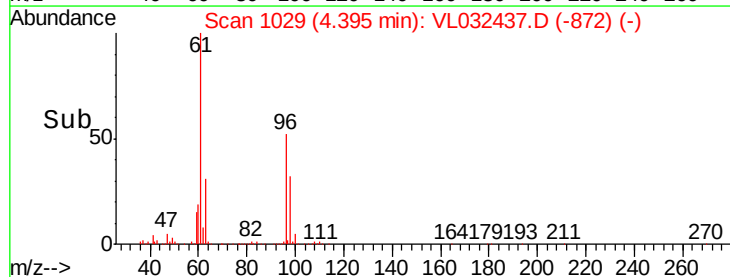
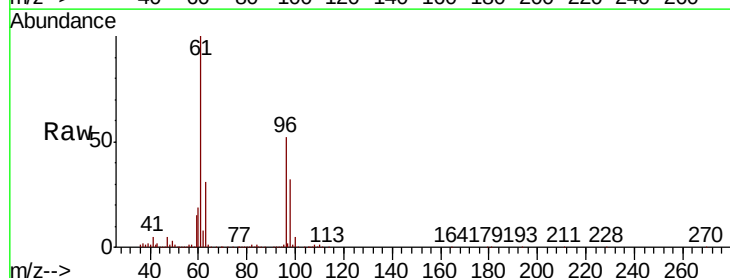
apatel
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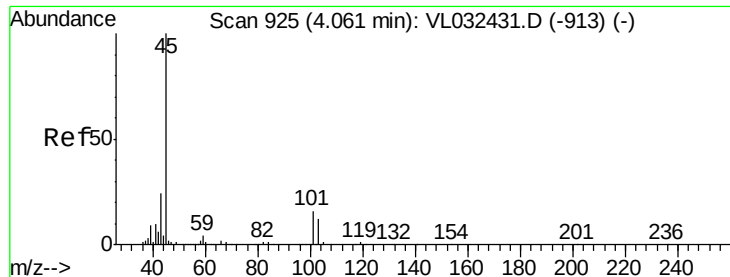


#18

1,1-Dichloroethene
 Concen: 14.94 ppbv
 RT: 4.40 min Scan# 1029
 Delta R.T. 0.00 min
 Lab File: VL032437.D
 Acq: 31 Aug 2018 4:27

Tgt Ion	Ratio	Lower	Upper
96	100		
61	191.4	159.2	238.8
98	62.1	51.0	76.4





#19

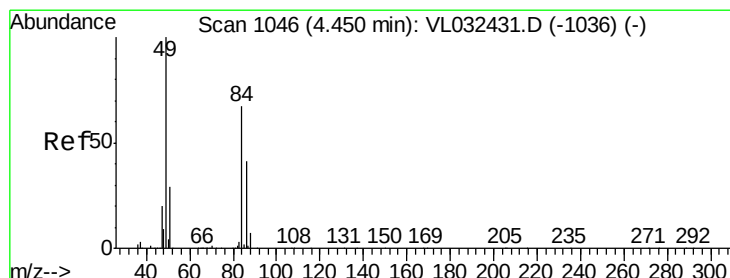
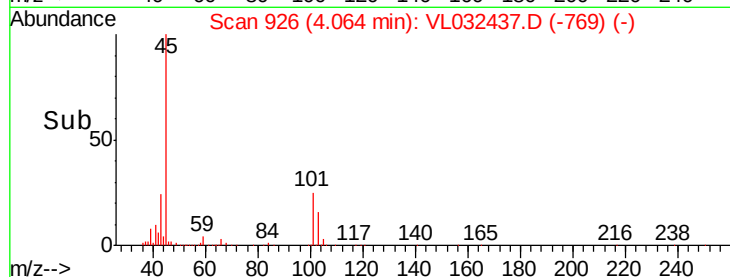
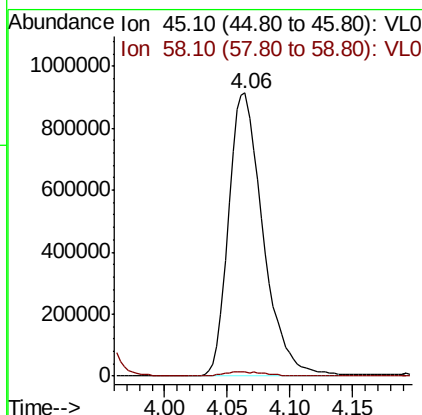
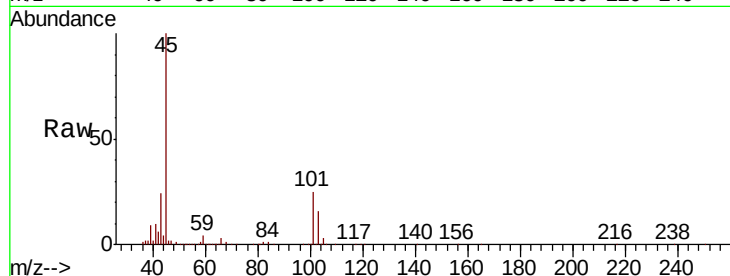
Isopropyl Alcohol
 Concen: 14.24 ppbv
 RT: 4.06 min Scan# 926
 Delta R.T. 0.00 min
 Lab File: VL032437.D
 Acq: 31 Aug 2018 4:27

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDIC015

Tot Ion: 45 Resp: 1739773
 Ion Ratio Lower Upper
 45 100
 58 2.0 2.0 3.0#

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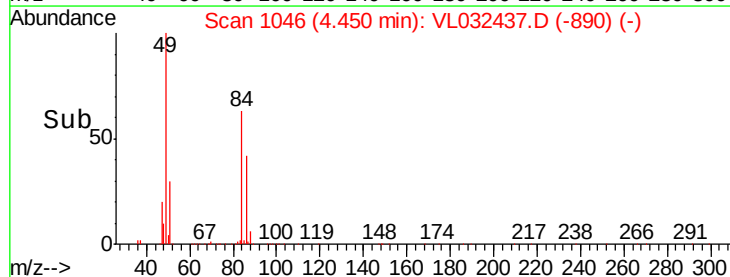
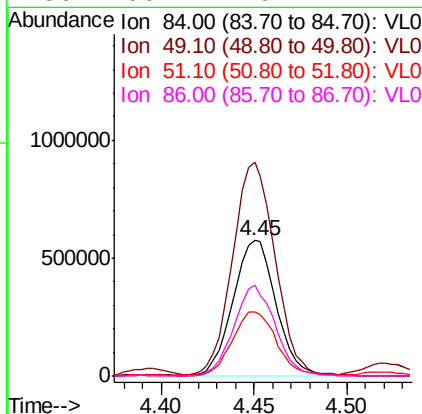
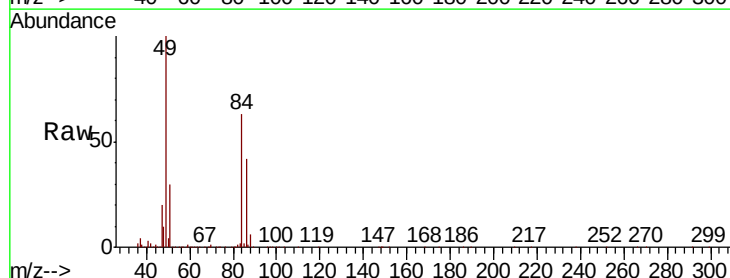
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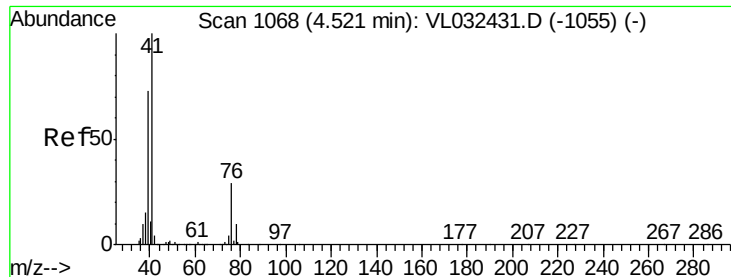


#20

Methylene Chloride
 Concen: 12.79 ppbv
 RT: 4.45 min Scan# 1046
 Delta R.T. 0.00 min
 Lab File: VL032437.D
 Acq: 31 Aug 2018 4:27

Tgt Ion: 84 Resp: 920650
 Ion Ratio Lower Upper
 84 100
 49 157.2 119.1 178.7
 51 47.2 35.2 52.8
 86 66.7 49.4 74.2





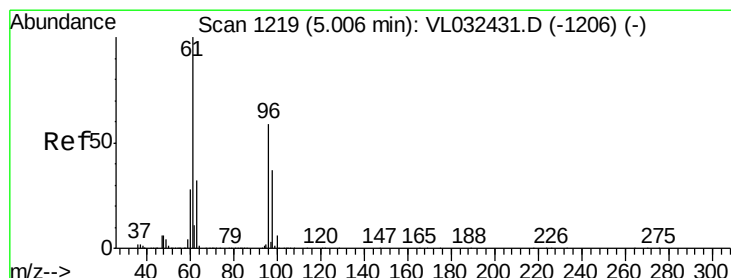
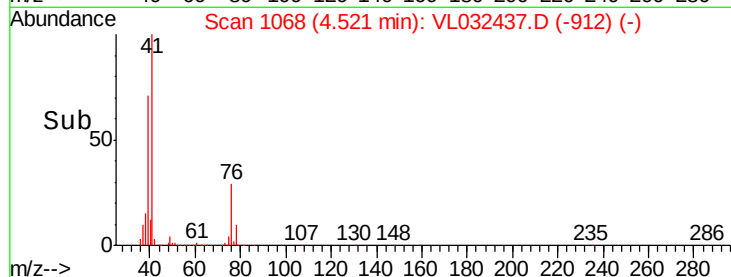
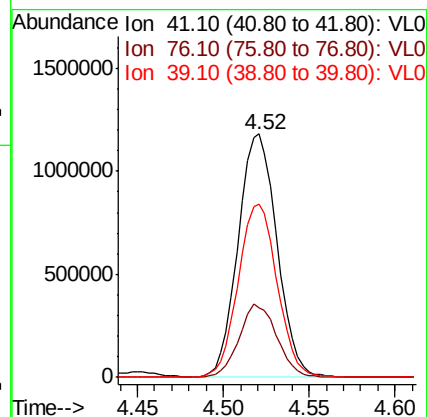
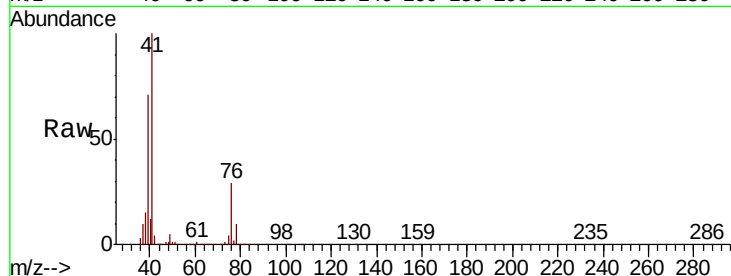
#21
 Allvl Chloride
 Concen: 15.08 ppbv
 RT: 4.52 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: VL032437.D
 Acq: 31 Aug 2018 4:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion: 41 Resp: 1843742
 Ion Ratio Lower Upper
 41 100
 76 29.3 23.6 35.4
 39 71.7 57.7 86.5

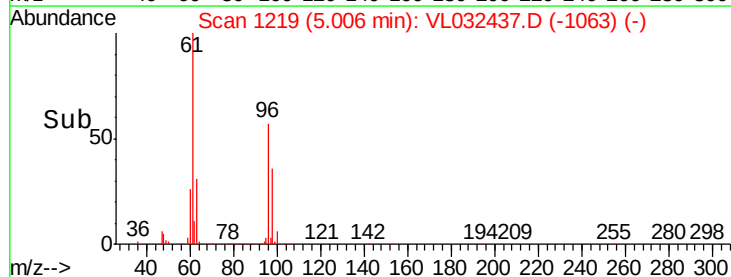
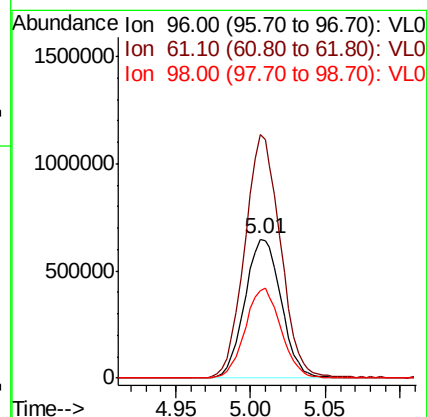
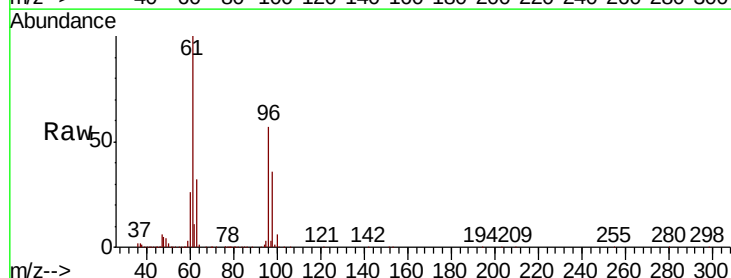
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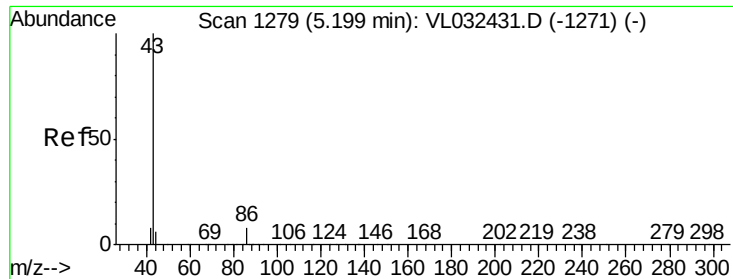
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#22
 trans-1,2-Dichloroethene
 Concen: 14.56 ppbv
 RT: 5.01 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VL032437.D
 Acq: 31 Aug 2018 4:27

Tgt Ion: 96 Resp: 1097925
 Ion Ratio Lower Upper
 96 100
 61 175.0 136.2 204.4
 98 62.5 50.4 75.6





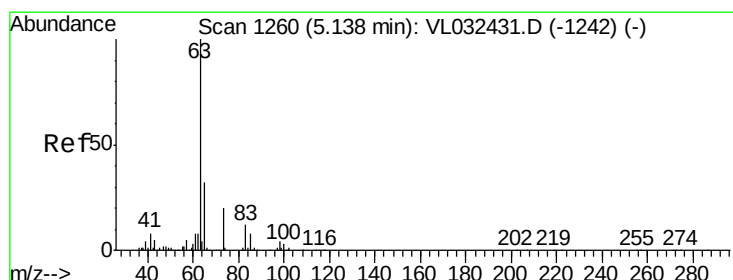
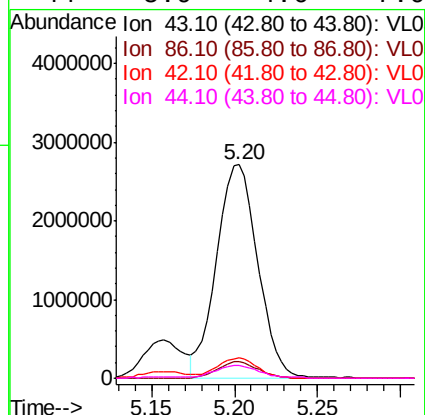
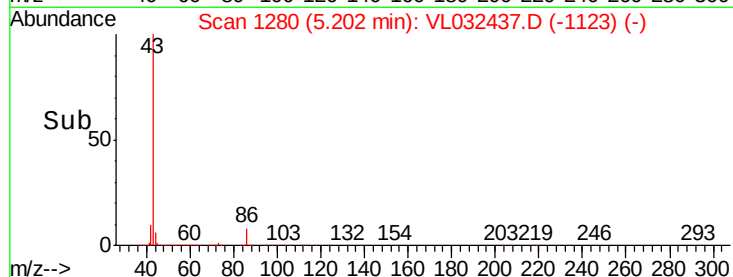
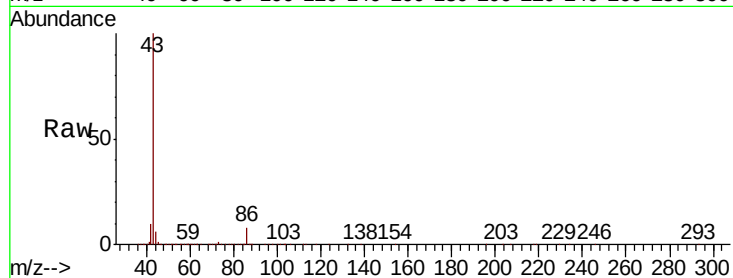
#23
 Vinyl Acetate
 Concen: 15.67 ppbv
 RT: 5.20 min Scan# 1280
 Delta R.T. 0.00 min
 Lab File: VL032437.D
 Acq: 31 Aug 2018 4:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion	Ion	Ratio	Lower	Upper
43	43	100		
86	86	8.0	5.9	8.9
42	42	9.5	6.9	10.3
44	44	5.9	4.6	7.0

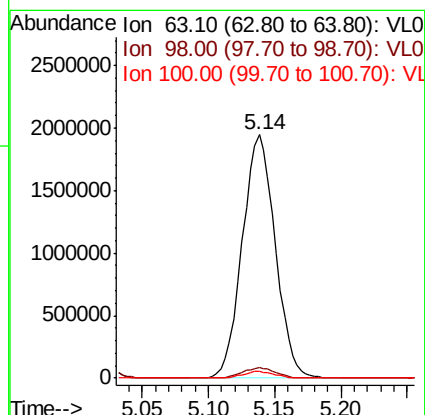
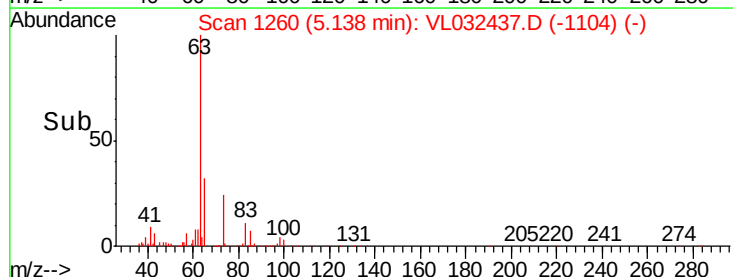
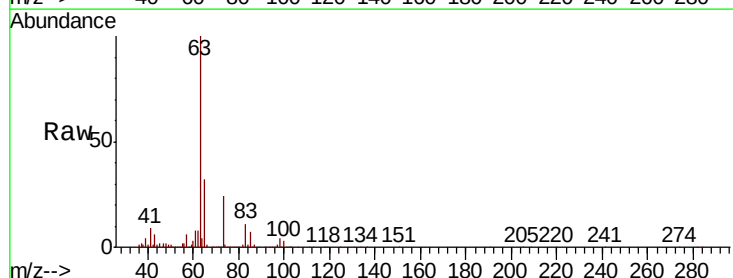
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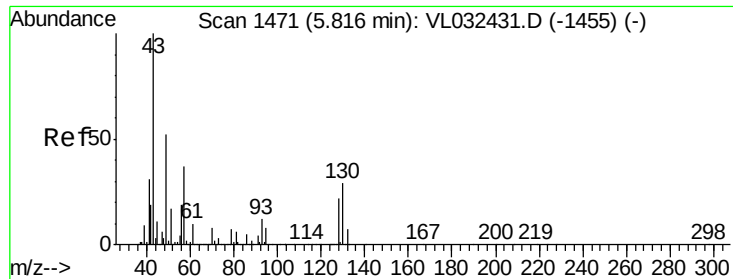
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#24
 1,1-Dichloroethane
 Concen: 13.99 ppbv
 RT: 5.14 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VL032437.D
 Acq: 31 Aug 2018 4:27

Tgt Ion	Ion	Ratio	Lower	Upper
63	63	100		
98	98	4.3	2.1	6.5
100	100	2.8	1.5	4.4





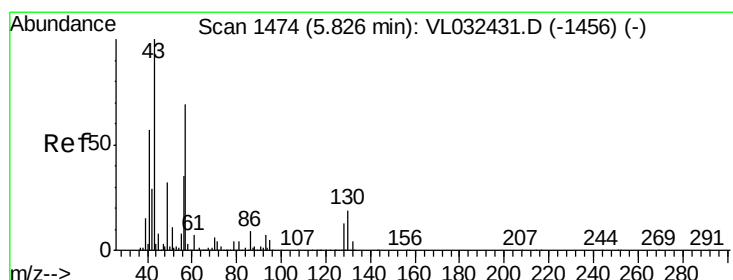
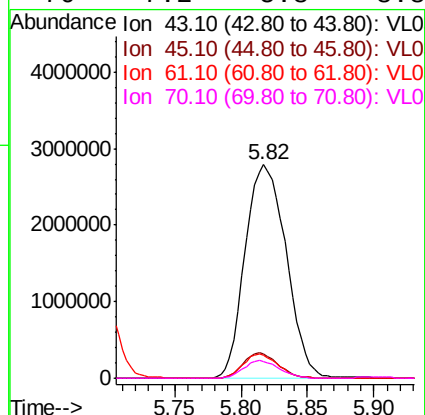
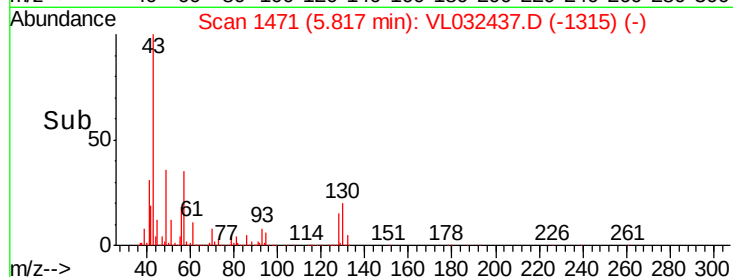
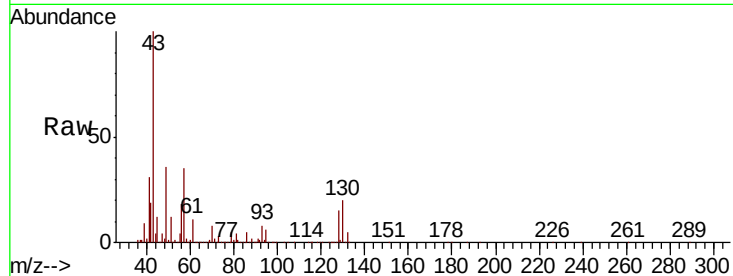
#25
Ethyl Acetate
Concen: 14.72 ppbv
RT: 5.82 min Scan# 1471
Delta R.T. 0.00 min
Lab File: VL032437.D
Acq: 31 Aug 2018 4:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion	Ion	Ratio	Lower	Upper
43	43	100		
45	45	10.1	8.0	12.0
61	61	9.7	7.6	11.4
70	70	7.2	5.8	8.8

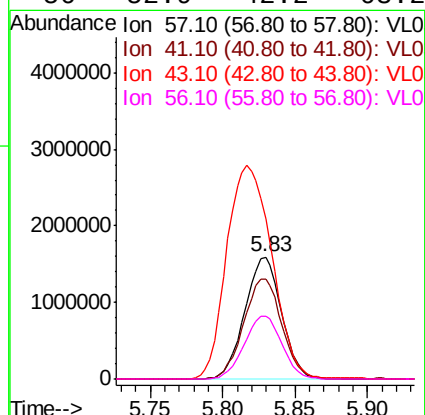
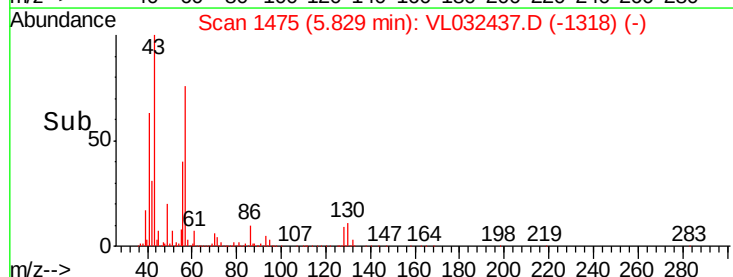
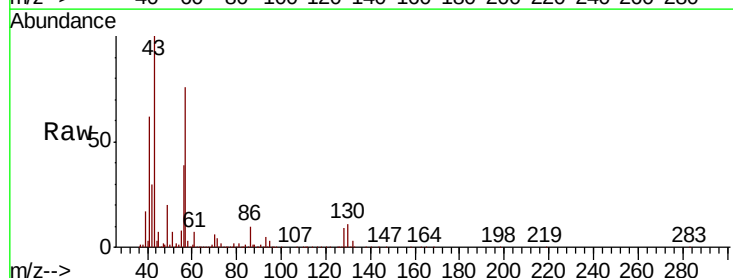
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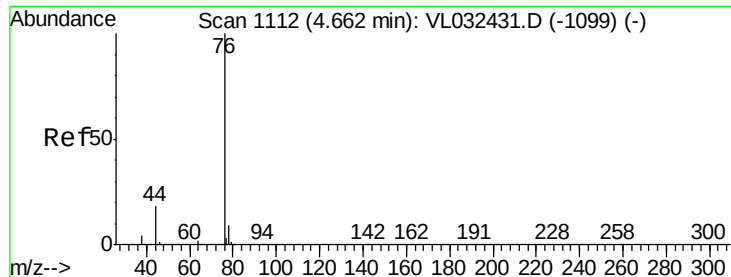
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9/4/2018 8:25:42 AM



#26
Hexane
Concen: 15.28 ppbv
RT: 5.83 min Scan# 1475
Delta R.T. 0.00 min
Lab File: VL032437.D
Acq: 31 Aug 2018 4:27

Tgt Ion	Ion	Ratio	Lower	Upper
57	57	100		
41	41	85.4	68.4	102.6
43	43	215.9	172.6	258.8
56	56	52.9	42.2	63.2





#27

Carbon Disulfide

Concen: 15.68 ppbv

RT: 4.66 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VL032437.D

Acq: 31 Aug 2018 4:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 76 Resp: 2759646

Ion Ratio Lower Upper

76 100

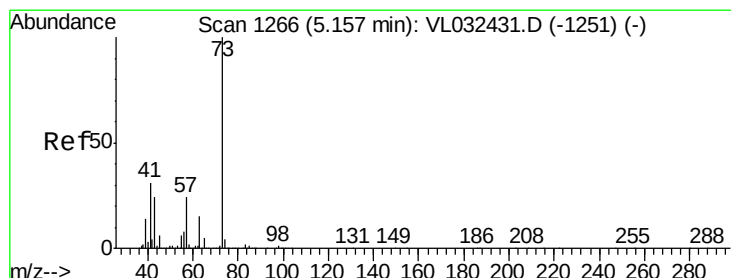
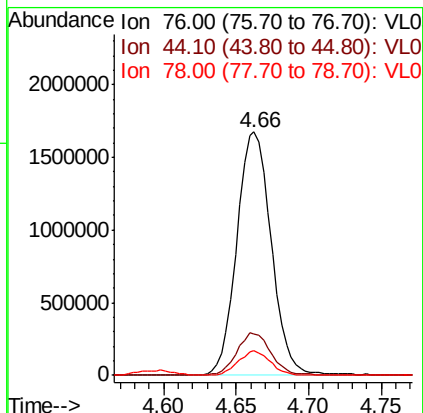
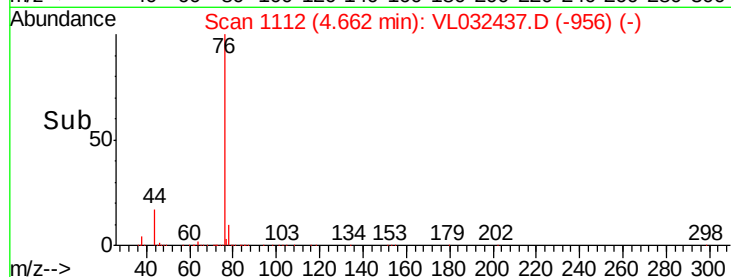
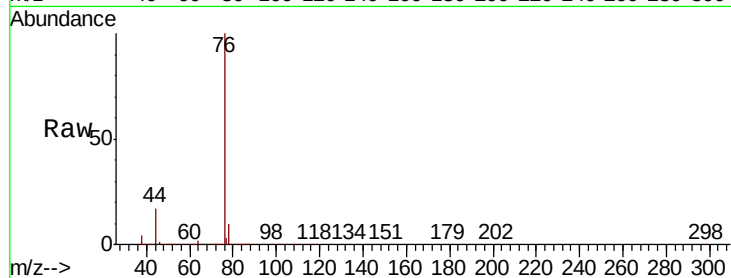
44 16.9 14.0 21.0

78 9.5 7.5 11.3

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#28

Methyl tert-Butyl Ether

Concen: 15.96 ppbv

RT: 5.16 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VL032437.D

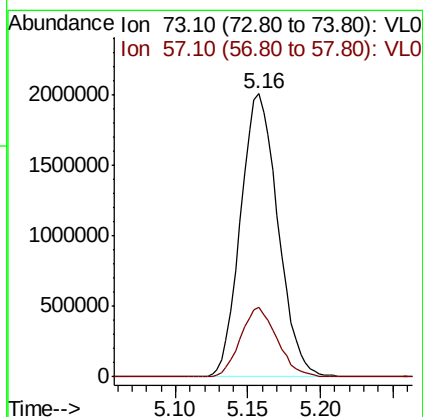
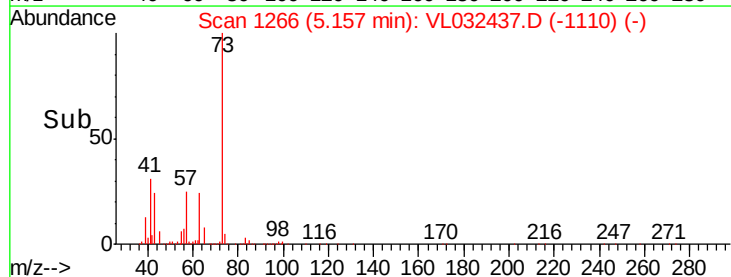
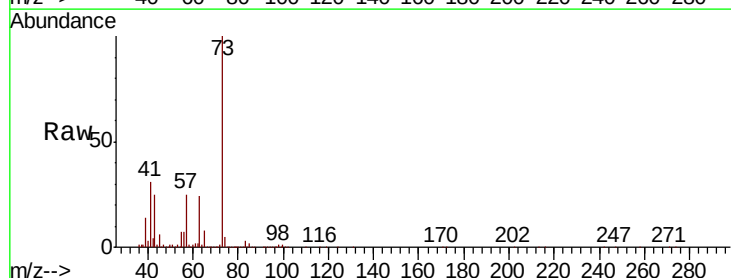
Acq: 31 Aug 2018 4:27

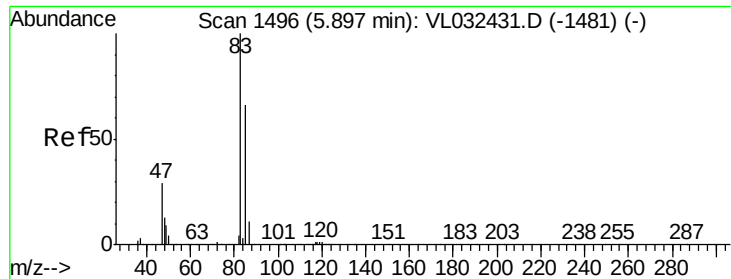
Tgt Ion: 73 Resp: 3611735

Ion Ratio Lower Upper

73 100

57 24.2 19.3 28.9





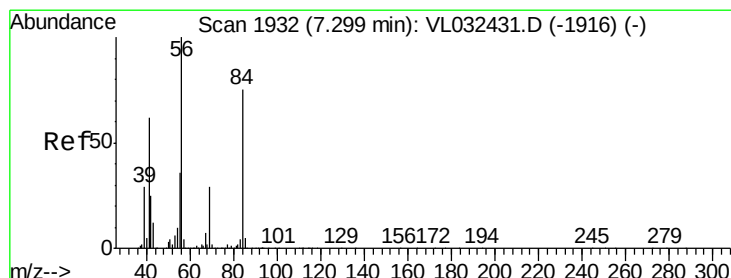
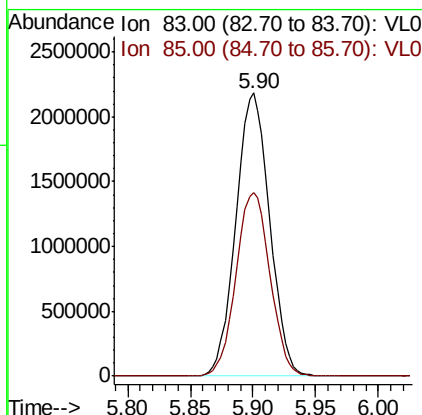
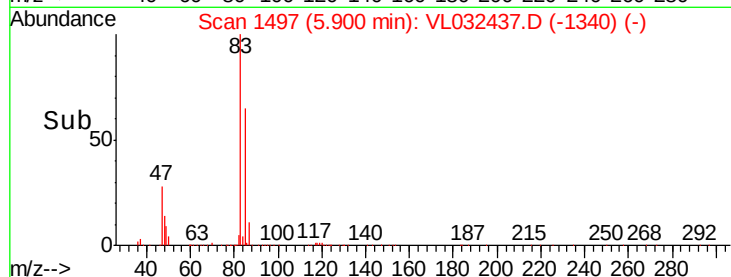
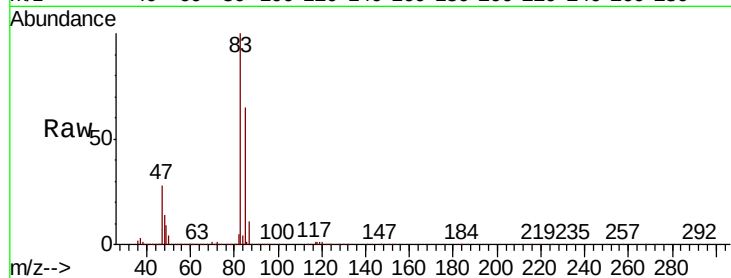
#29
Chloroform
Concen: 14.45 ppbv
RT: 5.90 min Scan# 1497
Delta R.T. 0.00 min
Lab File: VL032437.D
Acq: 31 Aug 2018 4:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 83 Resp: 4092711
Ion Ratio Lower Upper
83 100
85 65.0 52.5 78.7

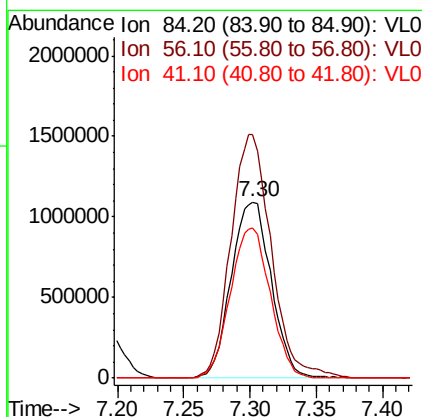
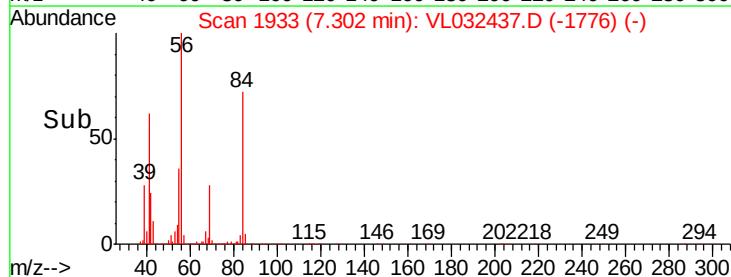
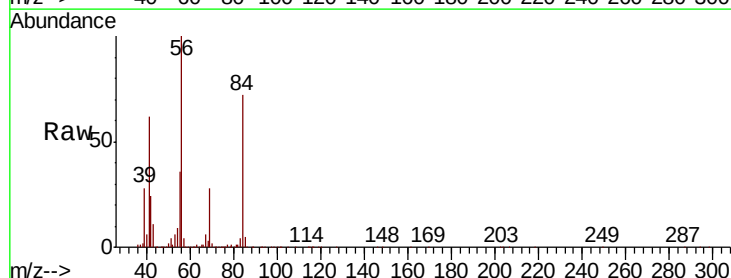
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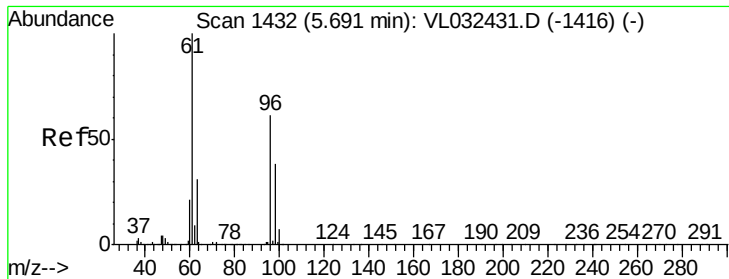
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#30
Cyclohexane
Concen: 16.87 ppbv
RT: 7.30 min Scan# 1933
Delta R.T. 0.00 min
Lab File: VL032437.D
Acq: 31 Aug 2018 4:27

Tgt Ion: 84 Resp: 2284693
Ion Ratio Lower Upper
84 100
56 140.5 113.5 170.3
41 85.5 68.0 102.0





#31

cis-1,2-Dichloroethene

Concen: 16.65 ppbv

RT: 5.69 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VL032437.D

Acq: 31 Aug 2018 4:27

Instrument :

MSVOA_L

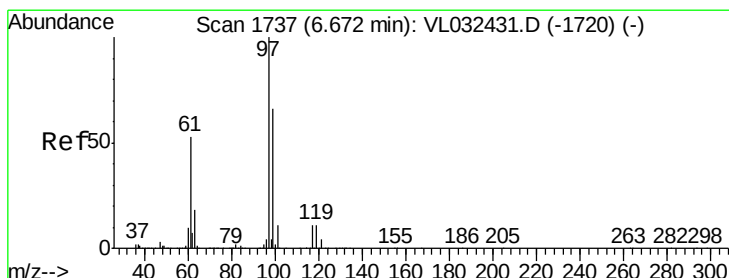
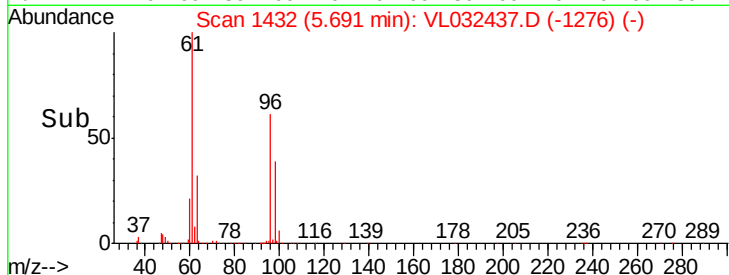
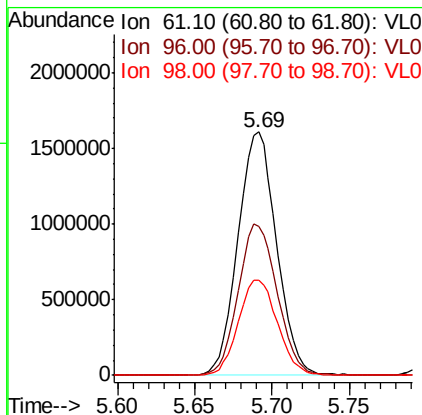
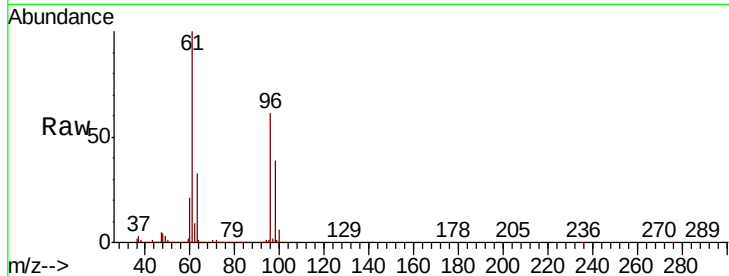
ClientSampleId :

VSTDIC015

Tot Ion:	61	Resp:	2787441
Ion	Ratio	Lower	Upper
61	100		
96	61.1	49.2	73.8
98	39.4	30.7	46.1

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#32

1,1,1-Trichloroethane

Concen: 15.46 ppbv

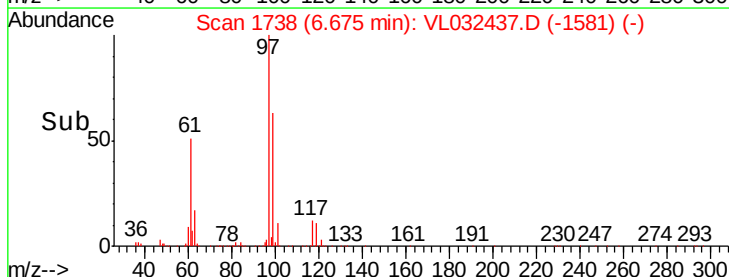
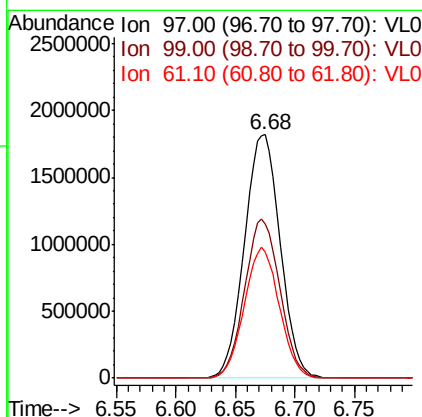
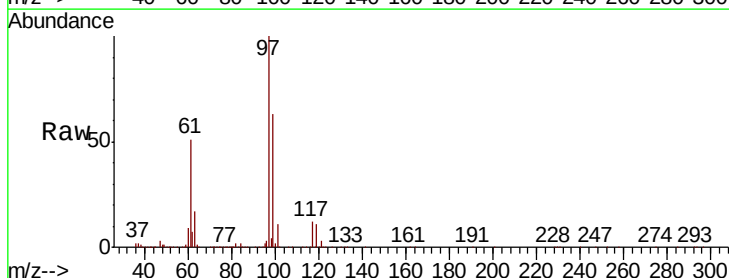
RT: 6.68 min Scan# 1738

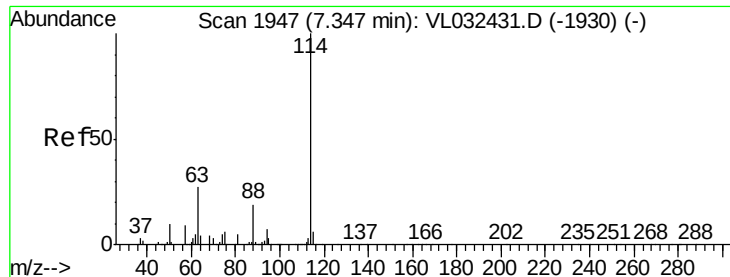
Delta R.T. 0.00 min

Lab File: VL032437.D

Acq: 31 Aug 2018 4:27

Tgt Ion:	97	Resp:	3781803
Ion	Ratio	Lower	Upper
97	100		
99	64.6	52.1	78.1
61	52.8	42.6	64.0





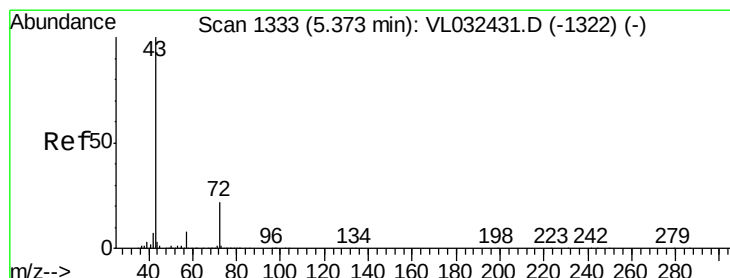
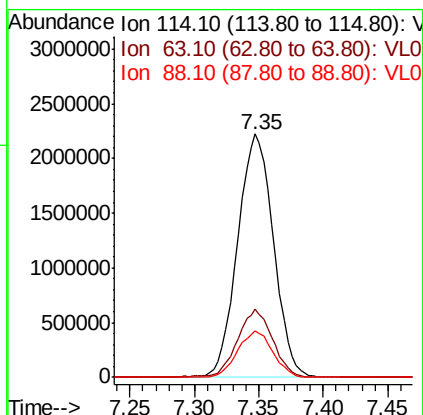
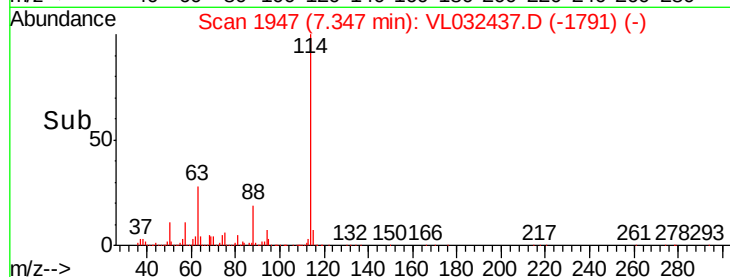
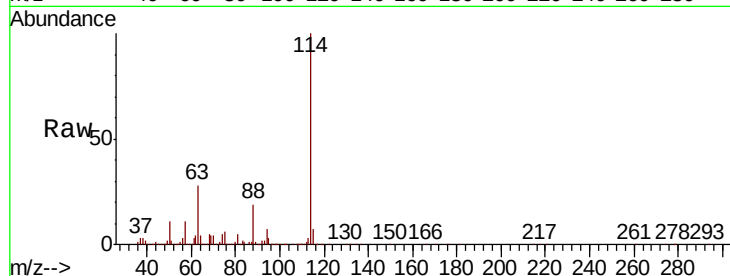
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.35 min Scan# 1947
 Delta R.T. 0.00 min
 Lab File: VL032437.D
 Acq: 31 Aug 2018 4:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.7	22.1	33.1
88	18.7	15.0	22.6

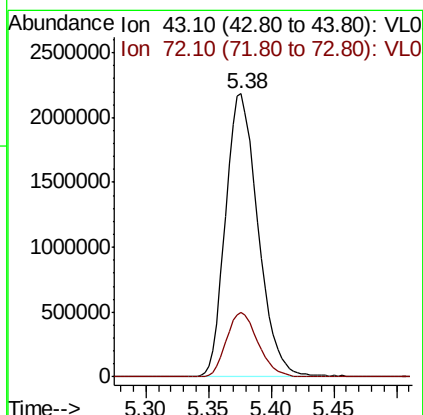
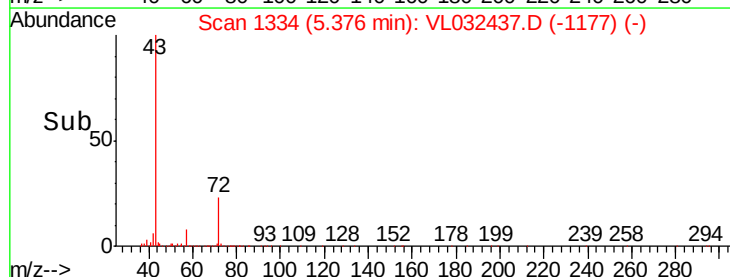
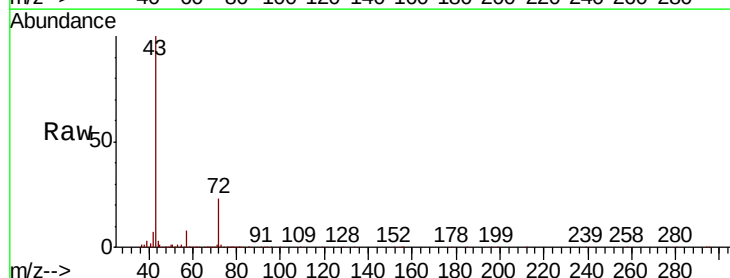
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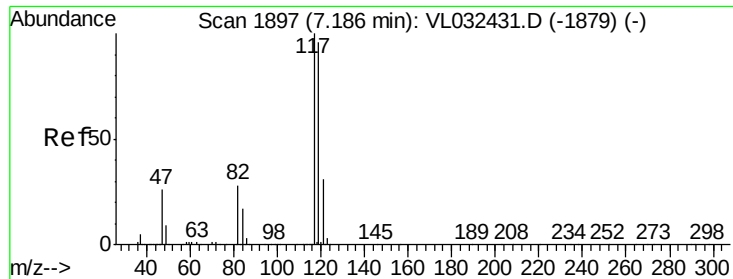
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#34
 2-Butanone
 Concen: 14.34 ppbv
 RT: 5.38 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: VL032437.D
 Acq: 31 Aug 2018 4:27

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.4	17.8	26.6





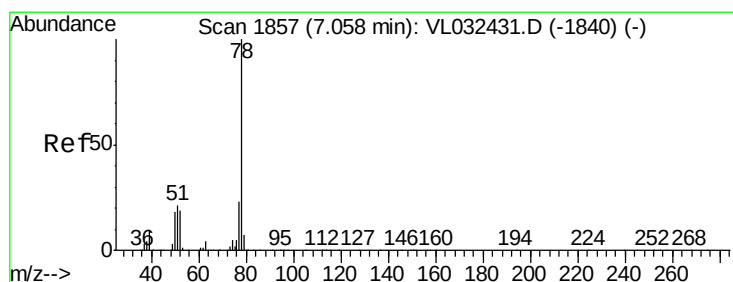
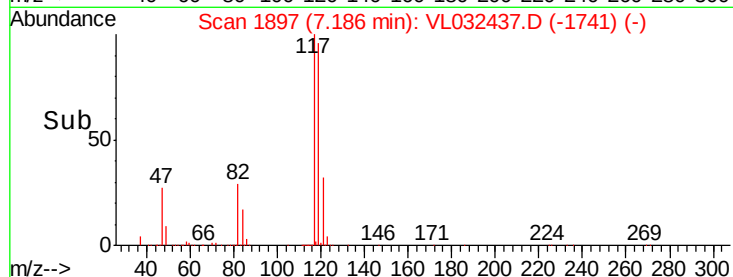
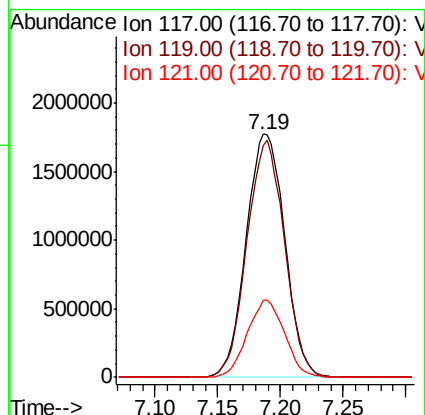
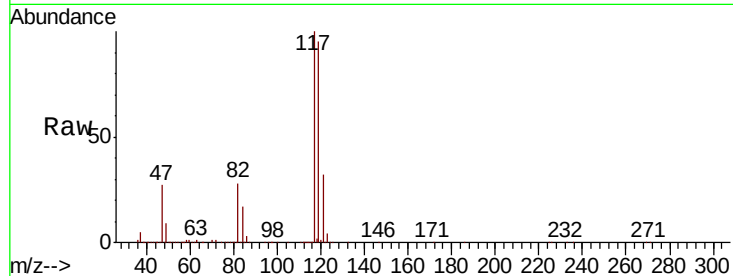
#35
Carbon Tetrachloride
Concen: 14.26 ppbv
RT: 7.19 min Scan# 1897
Delta R.T. 0.00 min
Lab File: VL032437.D
Acq: 31 Aug 2018 4:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
117	100		
119	95.2	76.6	115.0
121	31.9	24.6	36.8

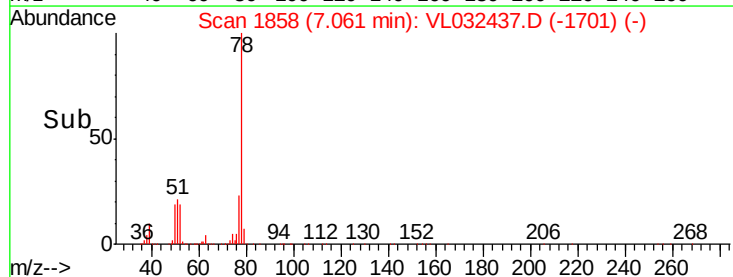
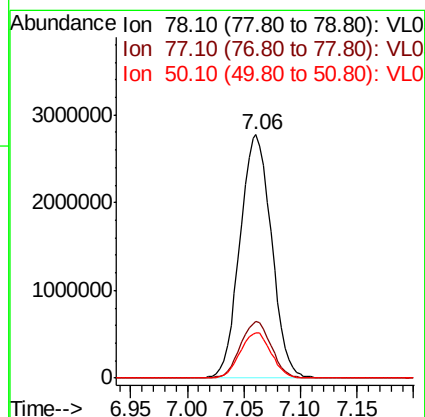
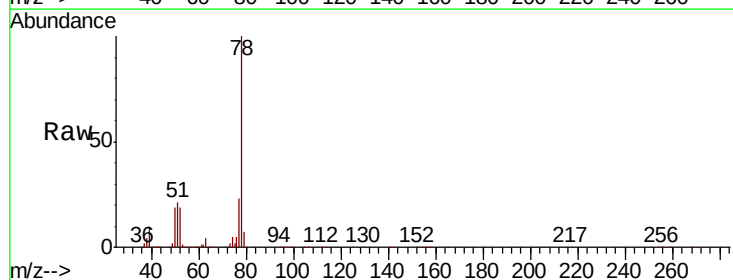
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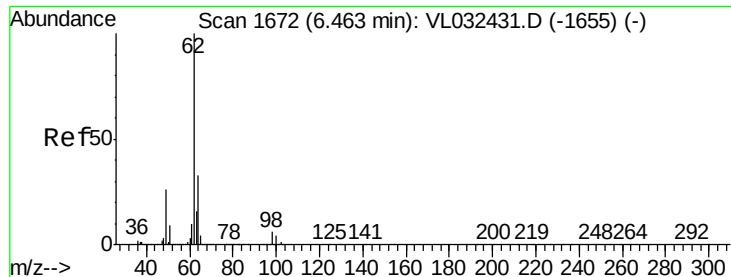
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#36
Benzene
Concen: 15.20 ppbv
RT: 7.06 min Scan# 1858
Delta R.T. 0.00 min
Lab File: VL032437.D
Acq: 31 Aug 2018 4:27

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.4	27.6
50	18.7	14.4	21.6





#37

1,2-Dichloroethane

Concen: 14.08 ppbv

RT: 6.47 min Scan# 1673

Delta R.T. 0.00 min

Lab File: VL032437.D

Acq: 31 Aug 2018 4:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 62 Resp: 3096826

Ion Ratio Lower Upper

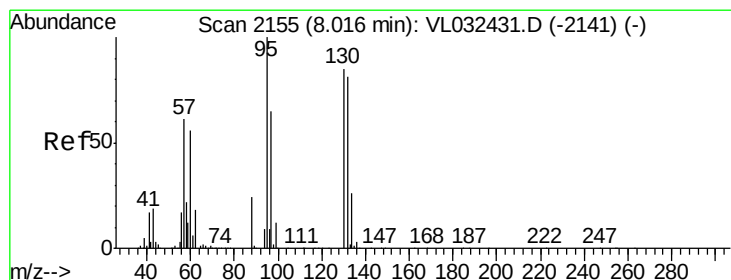
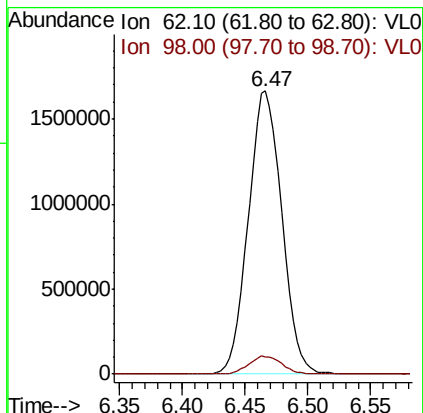
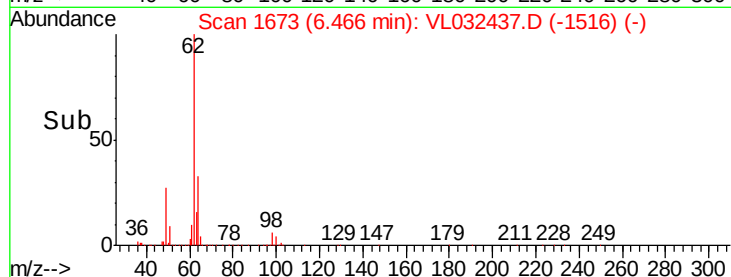
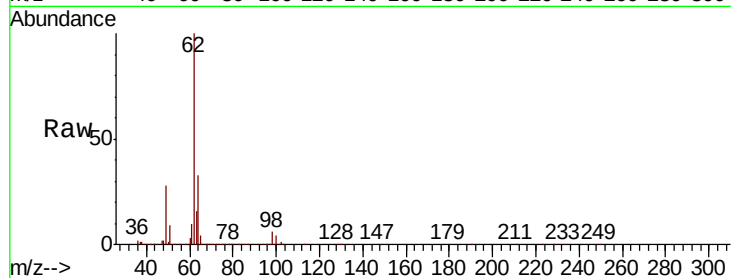
62 100

98 6.4 5.0 7.6

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#38

Trichloroethene

Concen: 15.71 ppbv

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VL032437.D

Acq: 31 Aug 2018 4:27

Tgt Ion: 130 Resp: 1862655

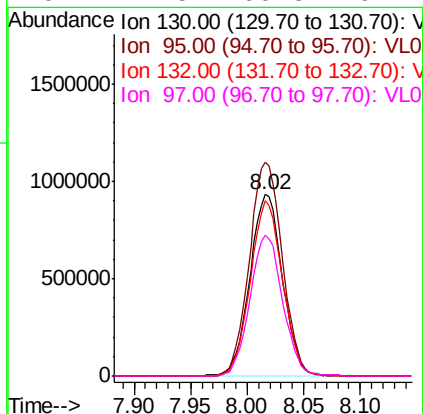
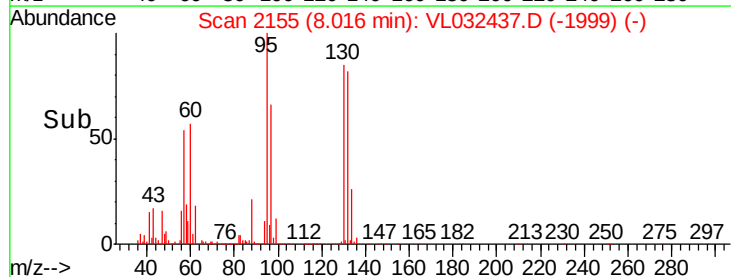
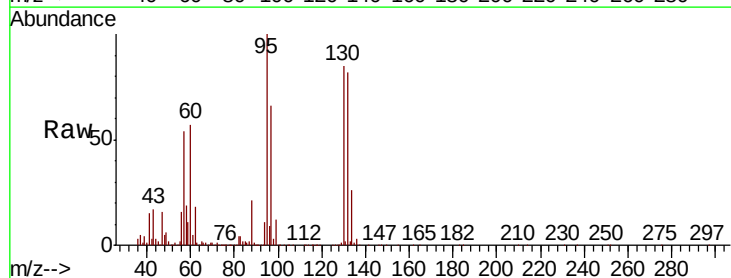
Ion Ratio Lower Upper

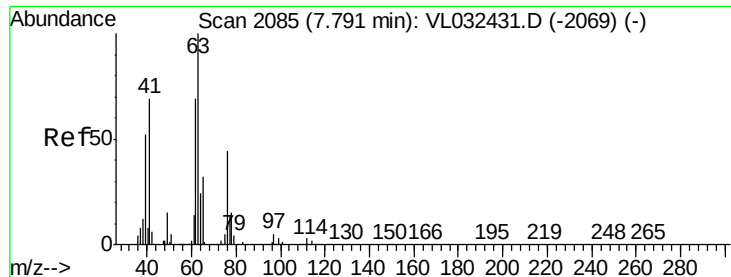
130 100

95 117.9 94.2 141.4

132 97.1 76.2 114.4

97 77.5 60.8 91.2





#39

1,2-Dichloropropane

Concen: 14.95 ppbv

RT: 7.79 min Scan# 2086

Delta R.T. 0.00 min

Lab File: VL032437.D

Acq: 31 Aug 2018 4:27

Instrument :

MSVOA_L

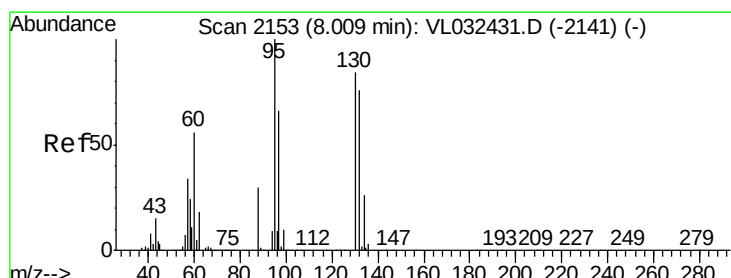
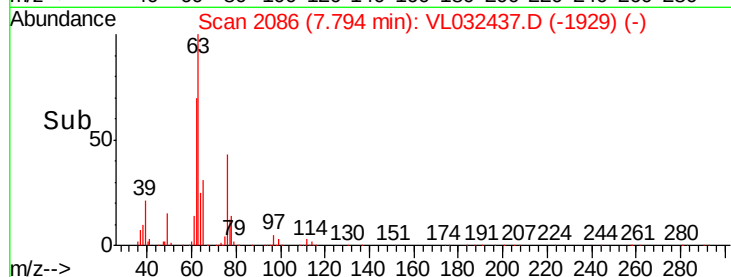
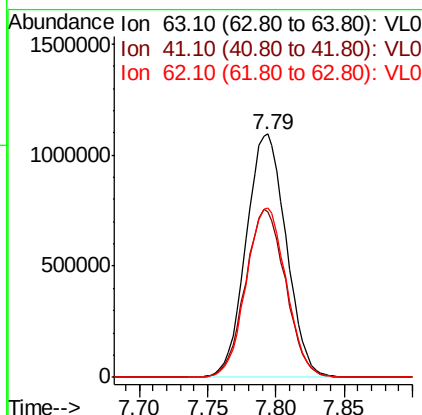
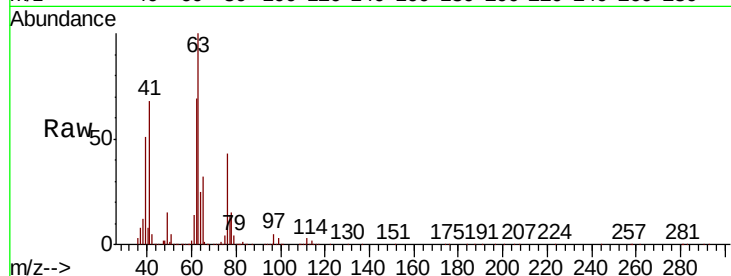
ClientSampleId :

VSTDIC015

Tot Ion:	63	Resp:	2228912
Ion	Ratio	Lower	Upper
63	100		
41	67.8	55.4	83.0
62	69.5	55.4	83.0

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#40

1,4-Dioxane

Concen: 13.69 ppbv

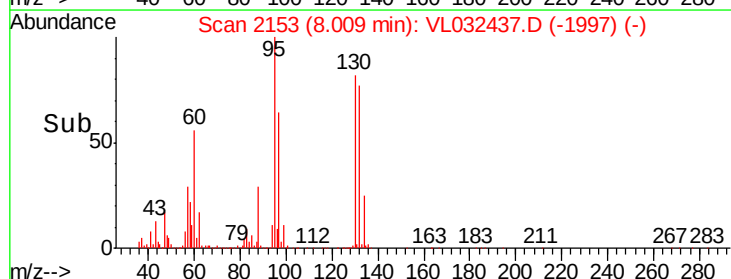
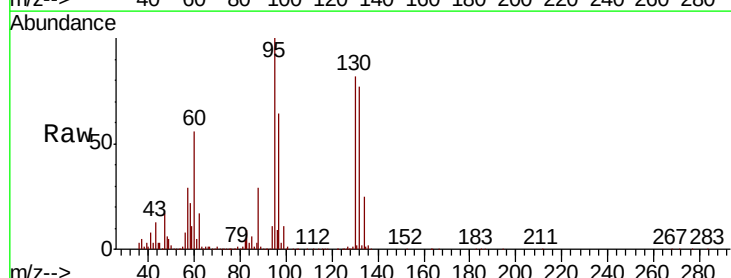
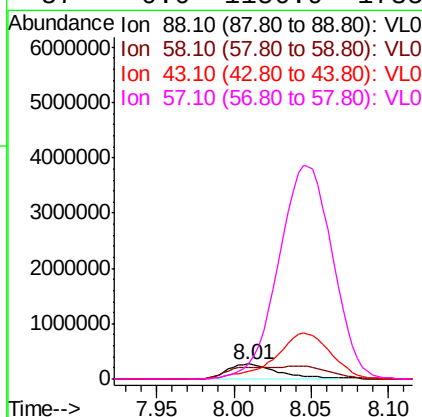
RT: 8.01 min Scan# 2153

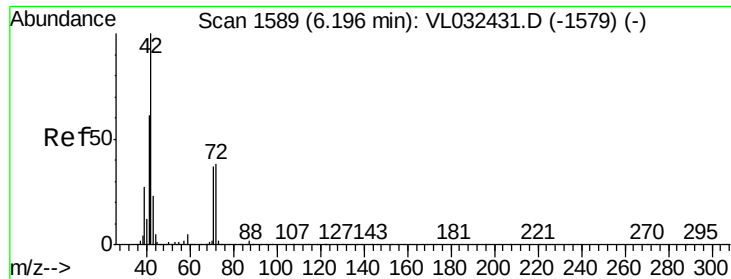
Delta R.T. 0.00 min

Lab File: VL032437.D

Acq: 31 Aug 2018 4:27

Tgt Ion:	88	Resp:	608648
Ion	Ratio	Lower	Upper
88	100		
58	0.0	119.7	179.5#
43	0.0	253.0	379.4#
57	0.0	1156.9	1735.3#





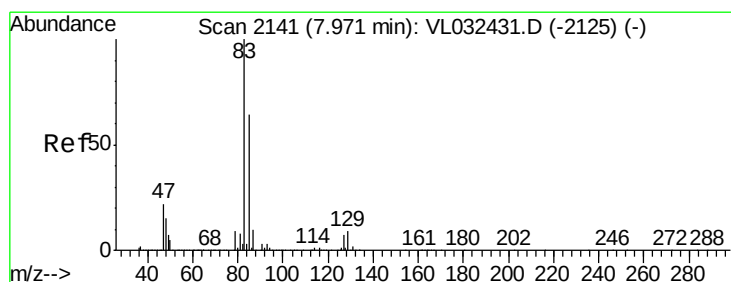
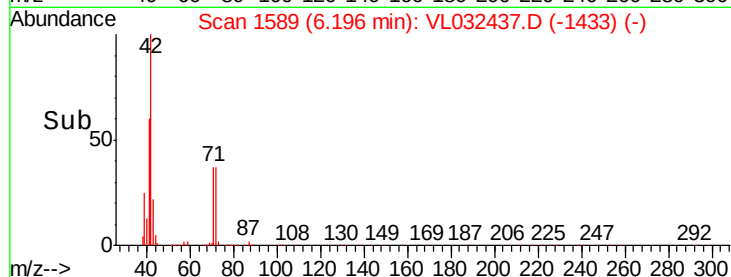
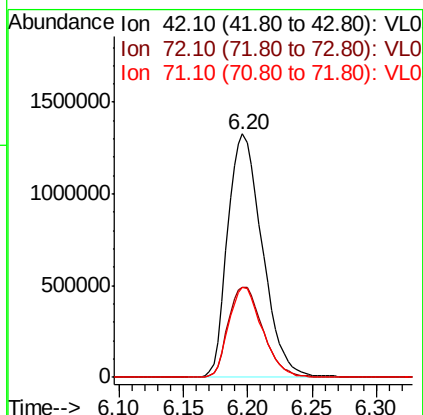
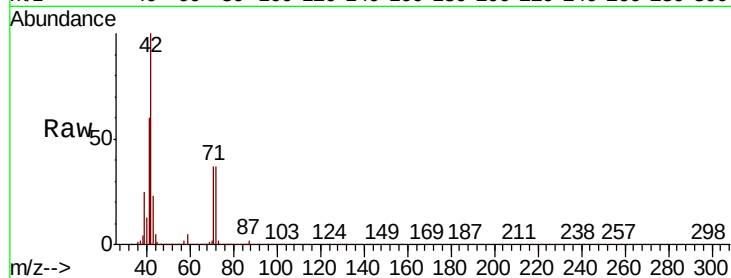
#41
Tetrahydrofuran
Concen: 16.96 ppbv
RT: 6.20 min Scan# 1589
Delta R.T. 0.00 min
Lab File: VL032437.D
Acq: 31 Aug 2018 4:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.3	29.5	44.3
71	36.1	28.3	42.5

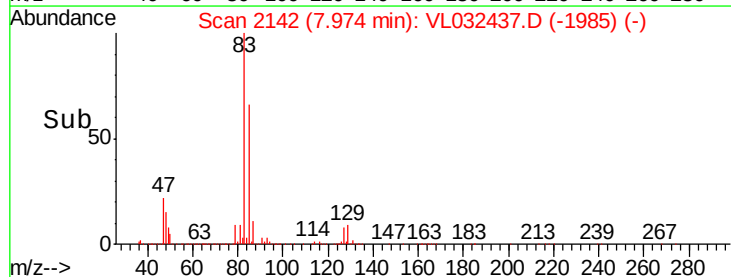
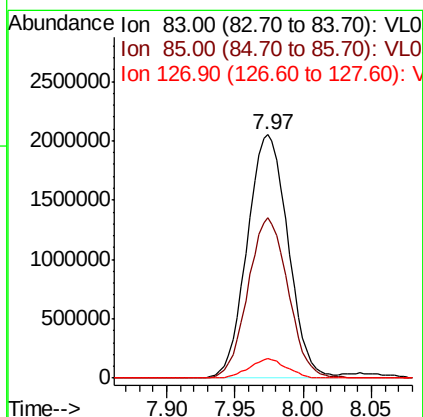
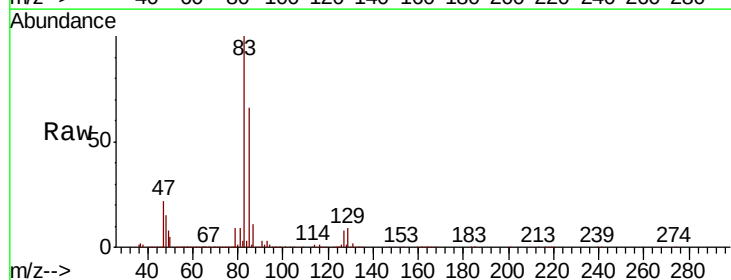
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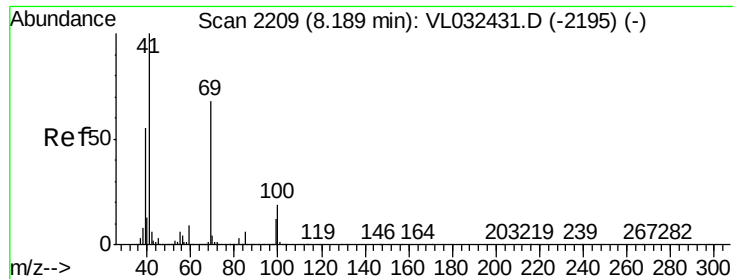
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#42
Bromodichloromethane
Concen: 14.16 ppbv
RT: 7.97 min Scan# 2142
Delta R.T. 0.00 min
Lab File: VL032437.D
Acq: 31 Aug 2018 4:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.1	76.7
127	7.9	5.8	8.8





#43

Methyl Methacrylate

Concen: 17.43 ppbv

RT: 8.19 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VL032437.D

Acq: 31 Aug 2018 4:27

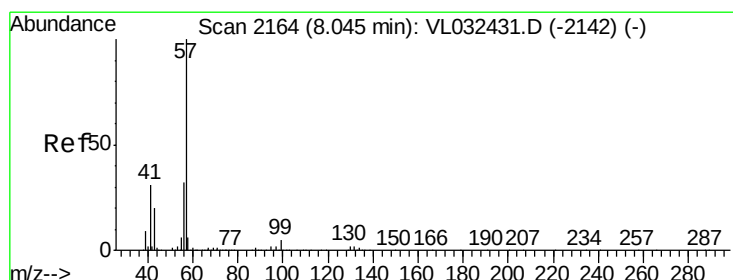
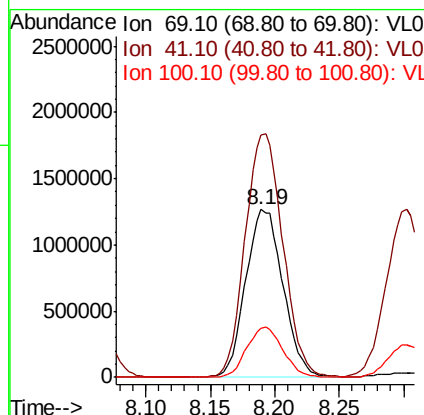
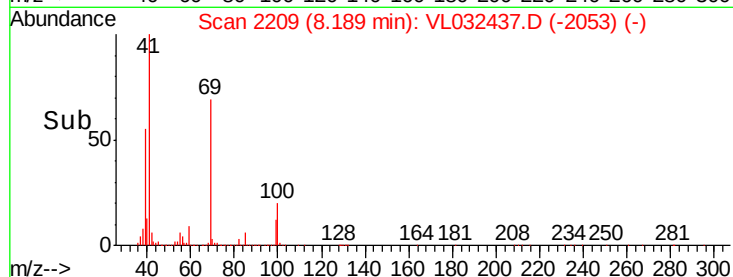
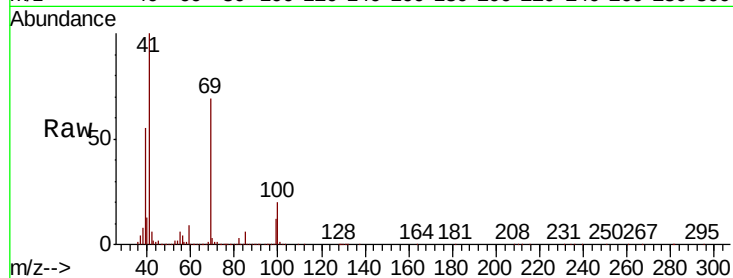
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 69 Resp: 2549009

Ion	Ratio	Lower	Upper
69	100		
41	146.4	117.2	175.8
100	29.0	23.4	35.2

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#44

2,2,4-Trimethylpentane

Concen: 14.18 ppbv

RT: 8.04 min Scan# 2164

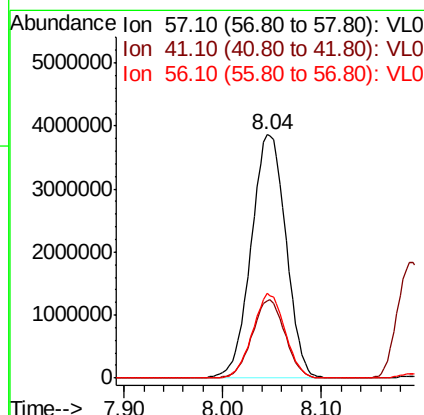
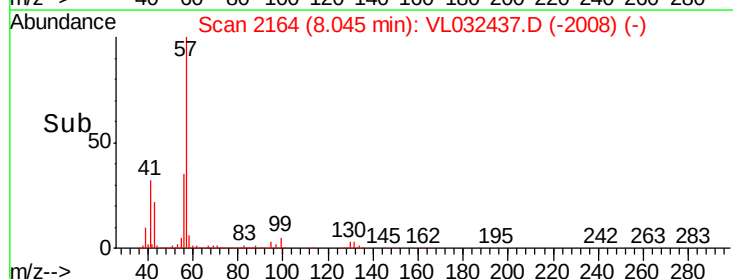
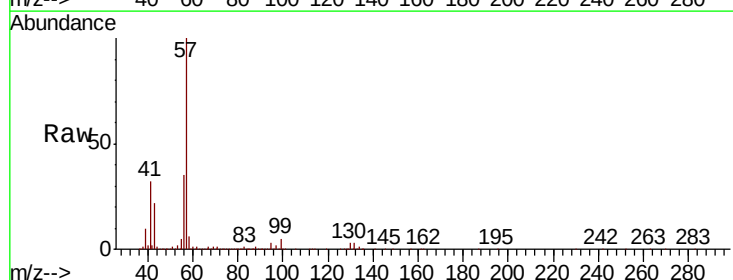
Delta R.T. 0.00 min

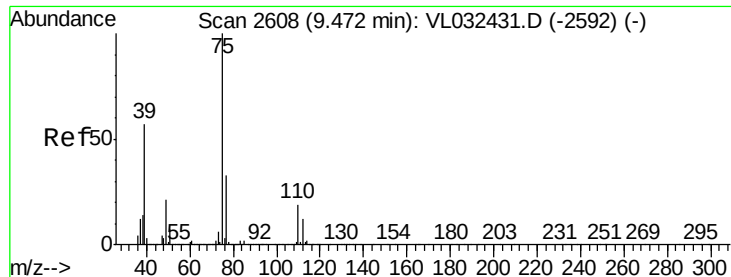
Lab File: VL032437.D

Acq: 31 Aug 2018 4:27

Tgt Ion: 57 Resp: 9395687

Ion	Ratio	Lower	Upper
57	100		
41	30.6	24.3	36.5
56	32.5	25.7	38.5





#45

t-1,3-Dichloropropene

Concen: 17.74 ppbv

RT: 9.47 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VL032437.D

Acq: 31 Aug 2018 4:27

Tot Ion: 75 Resp: 3082337

Ion Ratio Lower Upper

75 100

77 31.7 26.2 39.2

Instrument :

MSVOA_L

ClientSampleId :

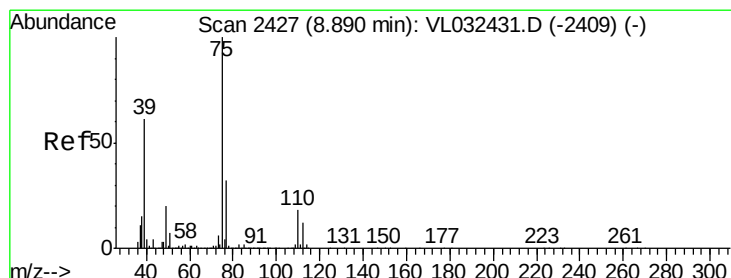
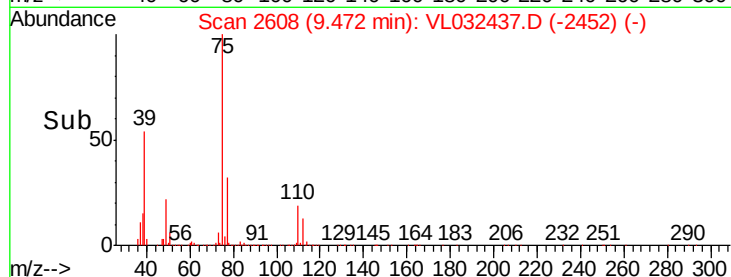
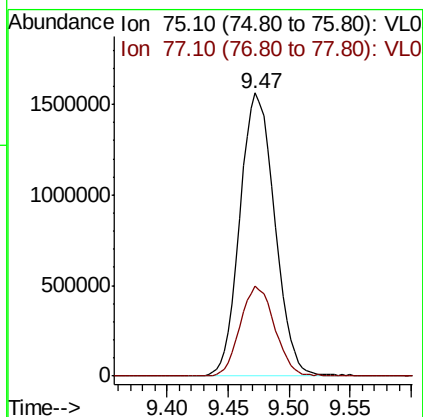
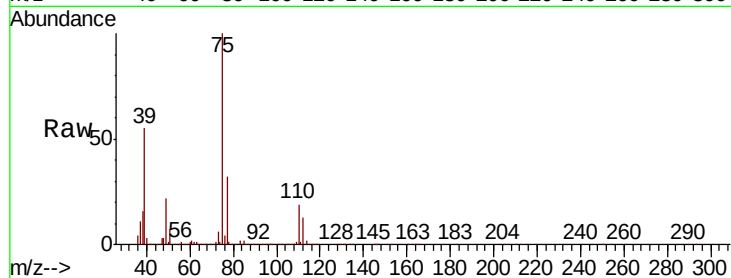
VSTDIC015

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#46

cis-1,3-Dichloropropene

Concen: 16.73 ppbv

RT: 8.89 min Scan# 2428

Delta R.T. 0.00 min

Lab File: VL032437.D

Acq: 31 Aug 2018 4:27

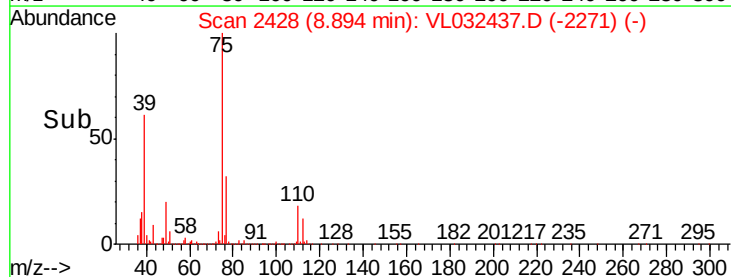
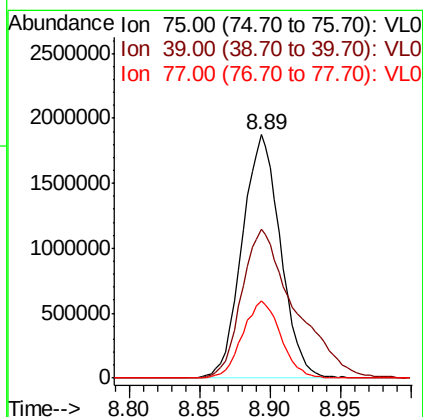
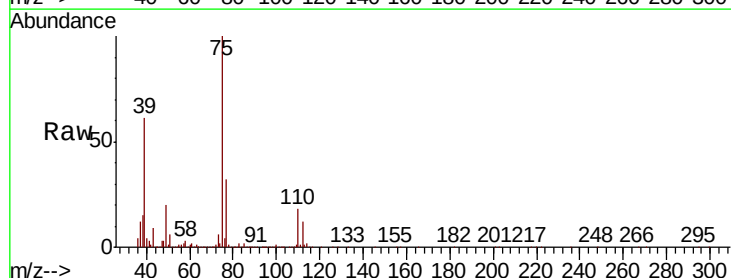
Tgt Ion: 75 Resp: 3556076

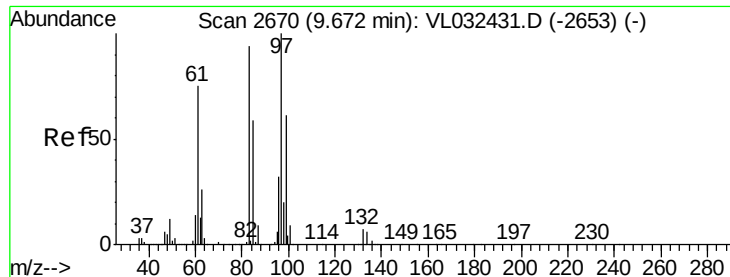
Ion Ratio Lower Upper

75 100

39 60.9 48.9 73.3

77 31.7 25.4 38.0





#47

1,1,2-Trichloroethane

Concen: 14.63 ppbv

RT: 9.67 min Scan# 2671

Delta R.T. 0.00 min

Lab File: VL032437.D

Acq: 31 Aug 2018 4:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 97 Resp: 2336166

Ion Ratio Lower Upper

97 100

83 93.4 75.0 112.4

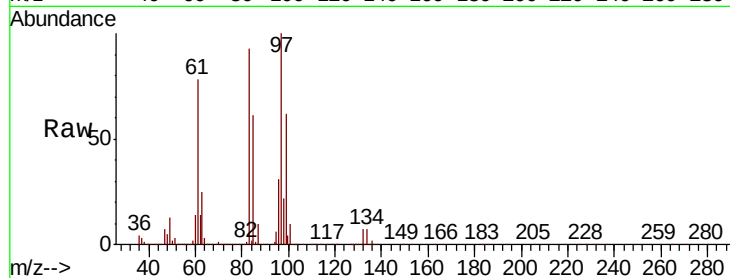
85 61.3 47.5 71.3

99 62.4 49.0 73.6

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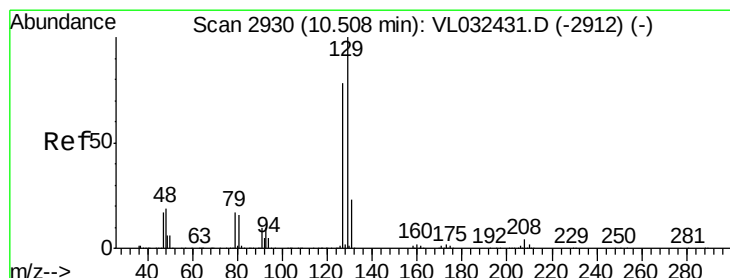
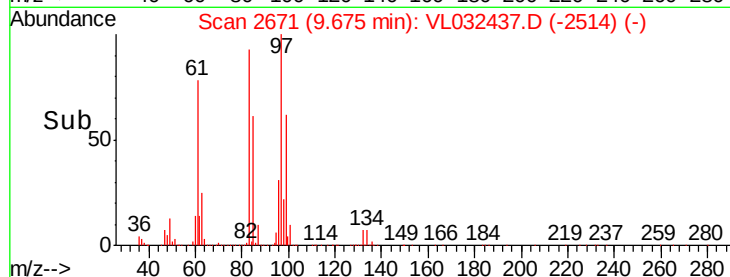
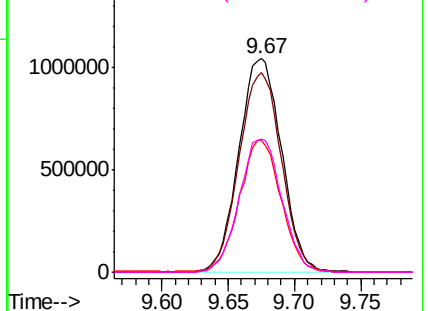
Abundance

Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 14.73 ppbv

RT: 10.51 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VL032437.D

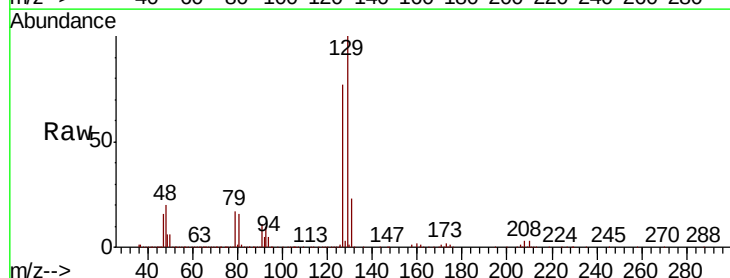
Acq: 31 Aug 2018 4:27

Tgt Ion: 129 Resp: 3313062

Ion Ratio Lower Upper

129 100

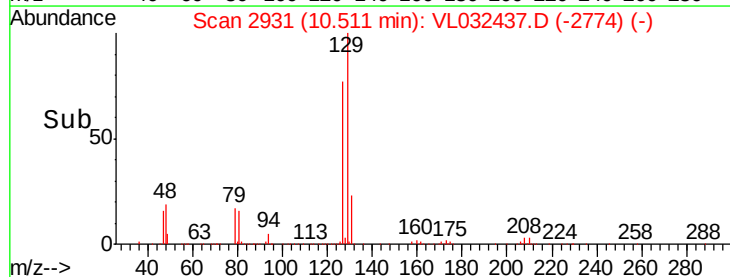
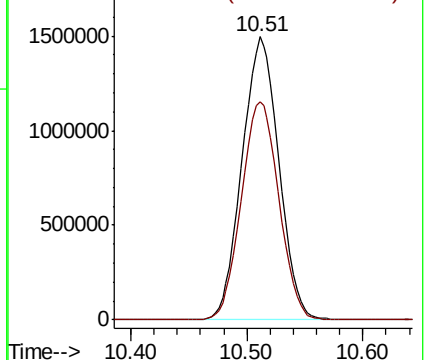
127 78.7 39.5 118.3

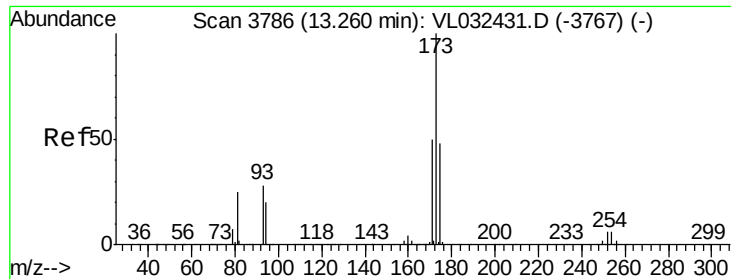


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





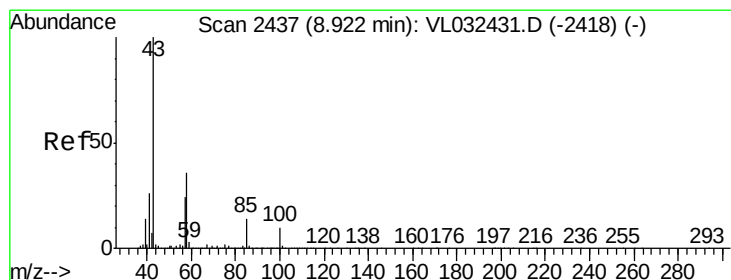
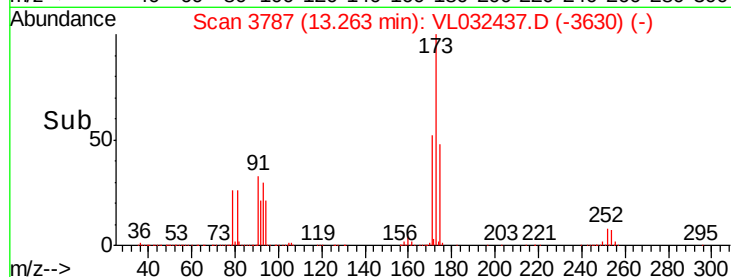
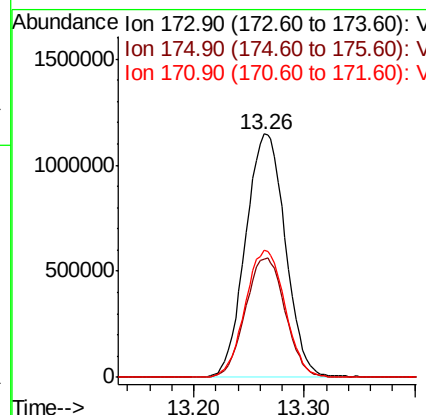
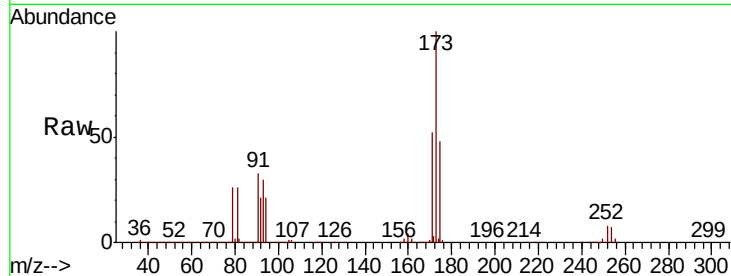
#49
Bromoform
Concen: 14.52 ppbv
RT: 13.26 min Scan# 3787
Delta R.T. 0.00 min
Lab File: VL032437.D
Acq: 31 Aug 2018 4:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	38.9	58.3
171	52.6	41.6	62.4

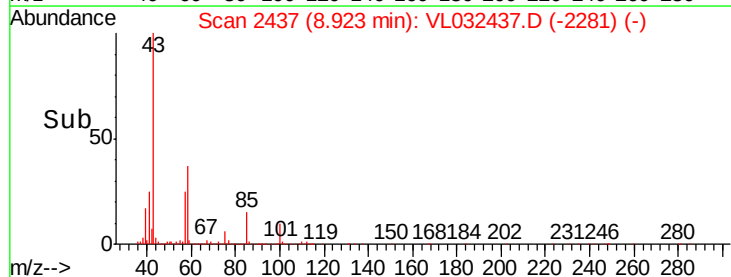
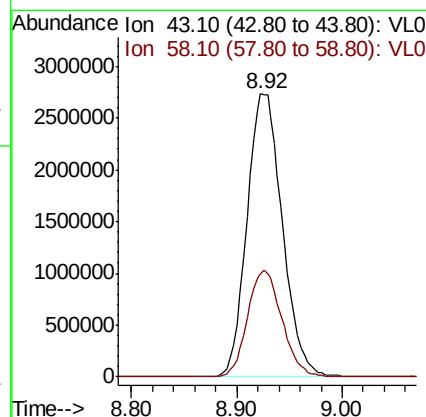
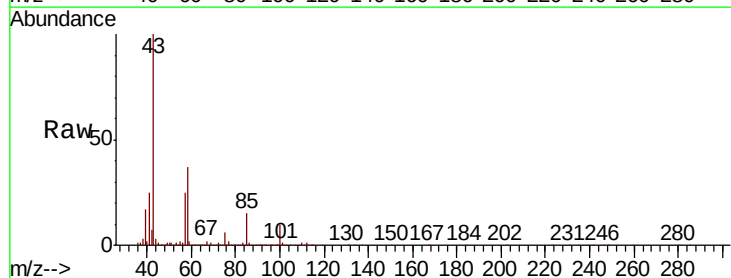
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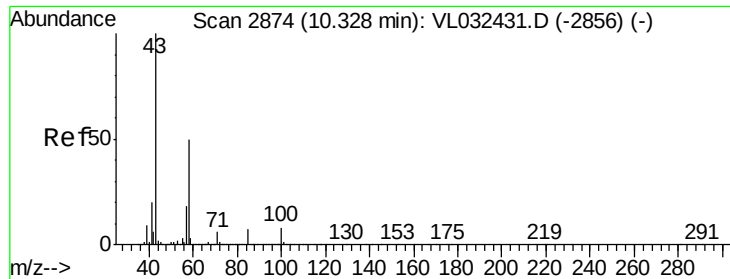
apatel
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#50
4-Methyl-2-Pentanone
Concen: 15.04 ppbv
RT: 8.92 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VL032437.D
Acq: 31 Aug 2018 4:27

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.7	28.9	43.3





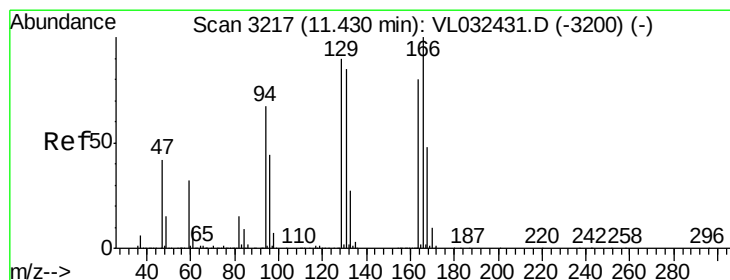
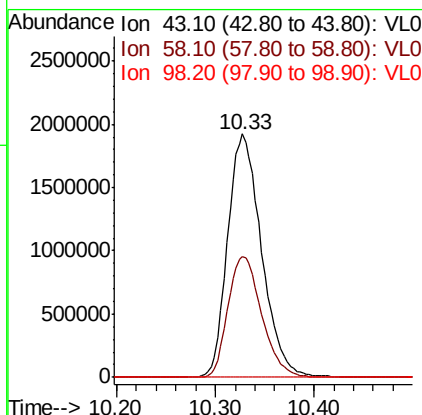
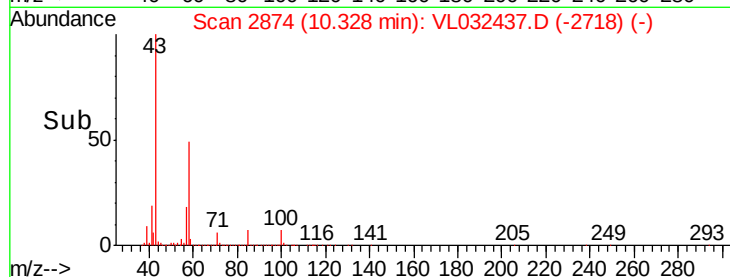
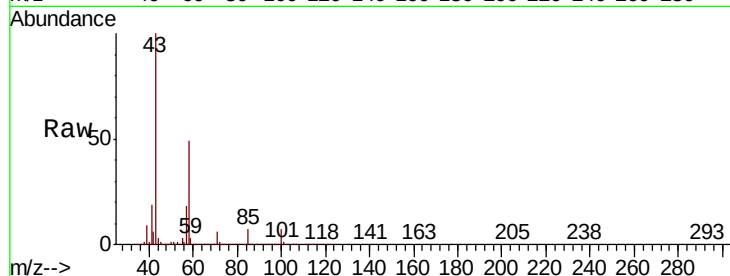
#51
2-Hexanone
Concen: 16.46 ppbv
RT: 10.33 min Scan# 2874
Delta R.T. 0.00 min
Lab File: VL032437.D
Acq: 31 Aug 2018 4:27

Instrument :
MSVOA_L
ClientSampled :
VSTDIC015

Tot Ion: 43 Resp: 4599655
Ion Ratio Lower Upper
43 100
58 49.6 39.2 58.8
98 0.4 0.4 0.6

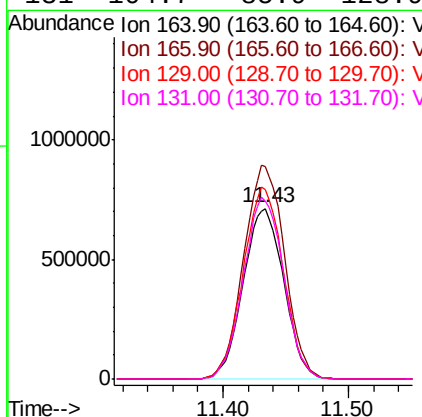
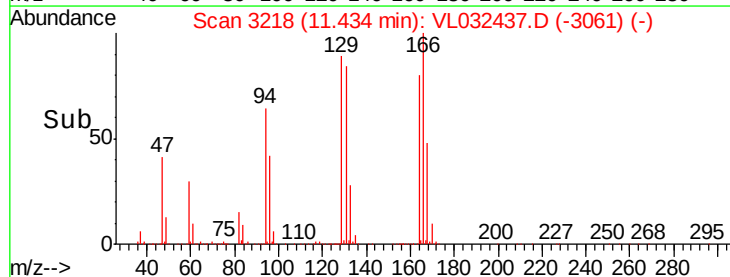
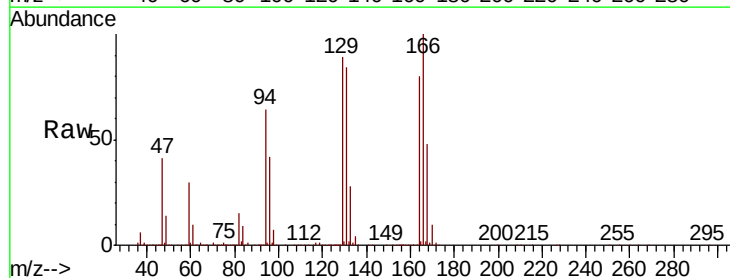
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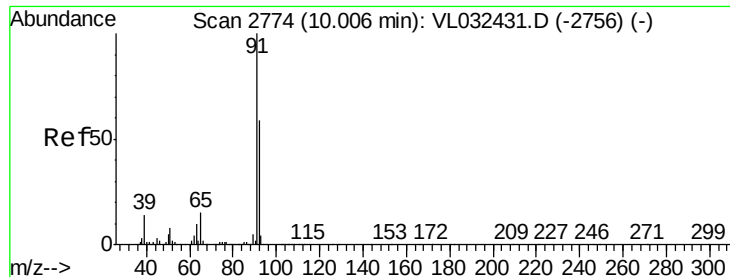
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#52
Tetrachloroethene
Concen: 15.74 ppbv
RT: 11.43 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VL032437.D
Acq: 31 Aug 2018 4:27

Tgt Ion: 164 Resp: 1602800
Ion Ratio Lower Upper
164 100
166 124.8 100.6 150.8
129 110.8 89.9 134.9
131 104.7 85.9 128.9





#53

Toluene

Concen: 17.48 ppbv

RT: 10.01 min Scan# 2774

Delta R.T. 0.00 min

Lab File: VL032437.D

Acq: 31 Aug 2018 4:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 91 Resp: 6500485

Ion Ratio Lower Upper

91 100

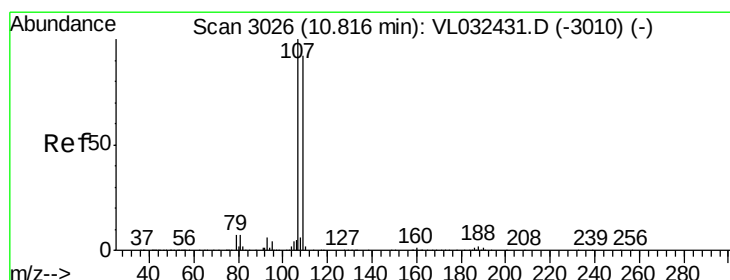
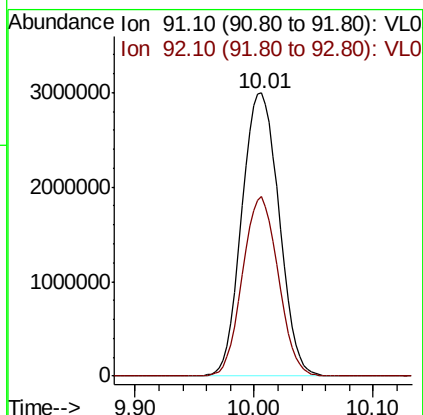
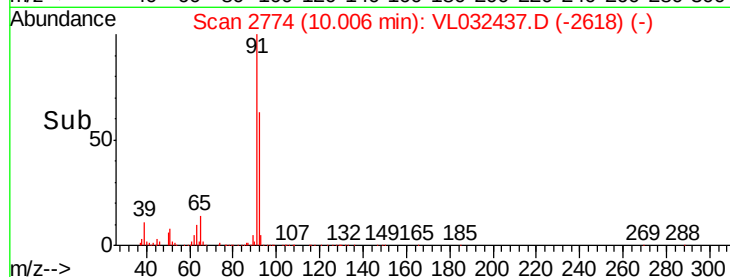
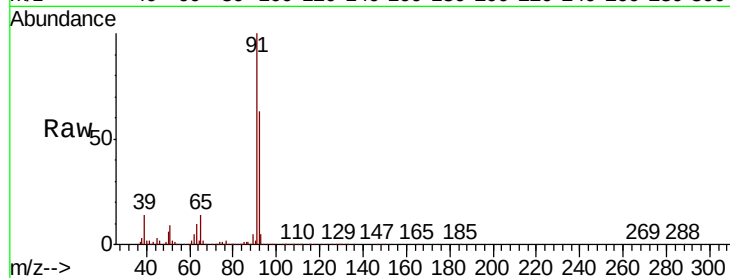
92 60.9 48.1 72.1

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 13.54 ppbv

RT: 10.82 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VL032437.D

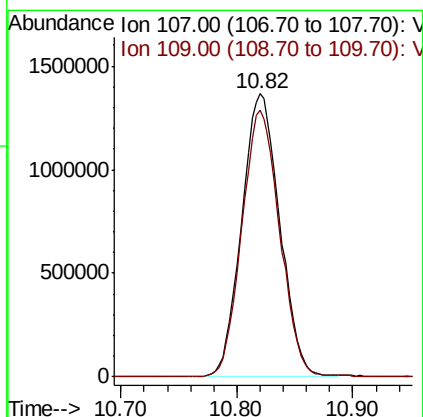
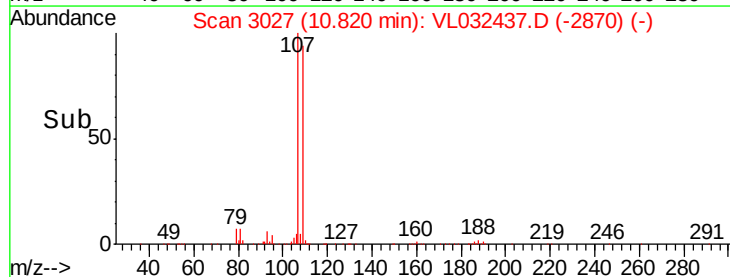
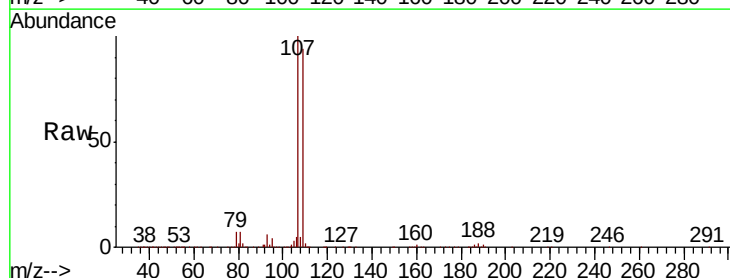
Acq: 31 Aug 2018 4:27

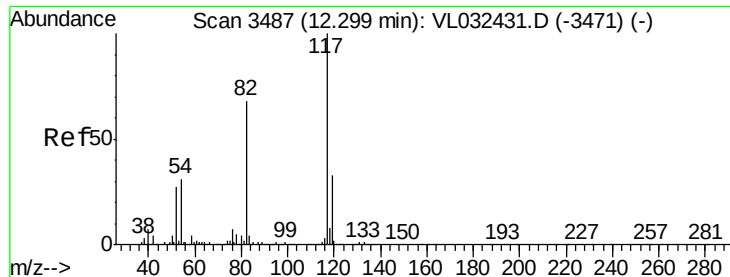
Tgt Ion: 107 Resp: 3122986

Ion Ratio Lower Upper

107 100

109 94.1 73.9 110.9





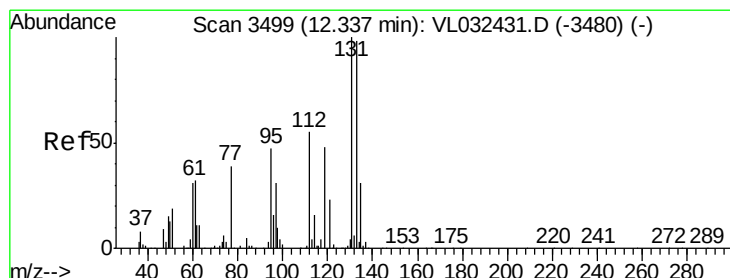
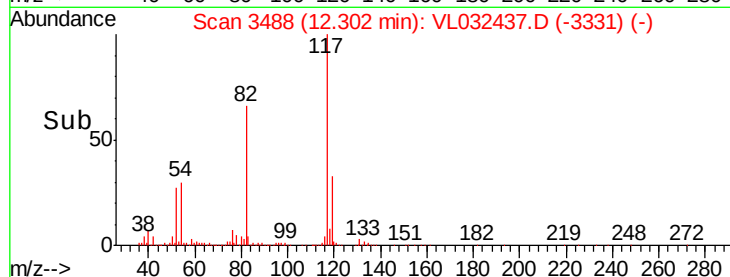
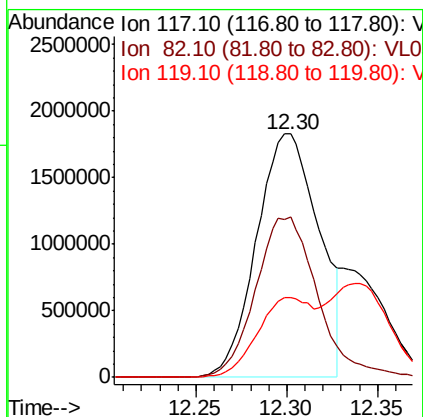
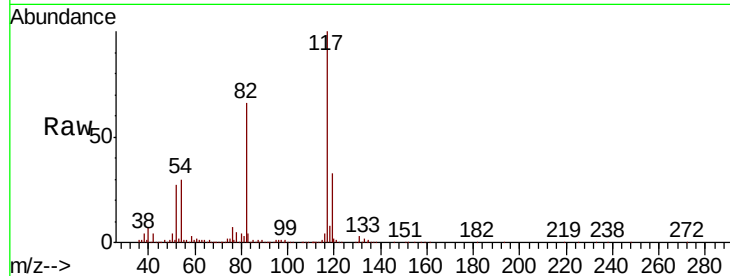
#55
Chlorobenzene-d5
Concen: 10.00 ppbv m
RT: 12.30 min Scan# 3488
Delta R.T. 0.00 min
Lab File: VL032437.D
Acq: 31 Aug 2018 4:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
117	100		
82	65.7	51.5	77.3
119	67.2	44.6	66.8#

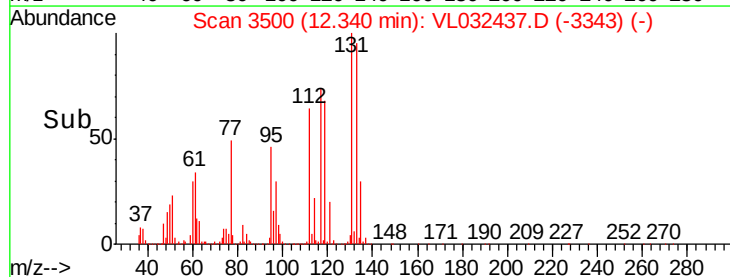
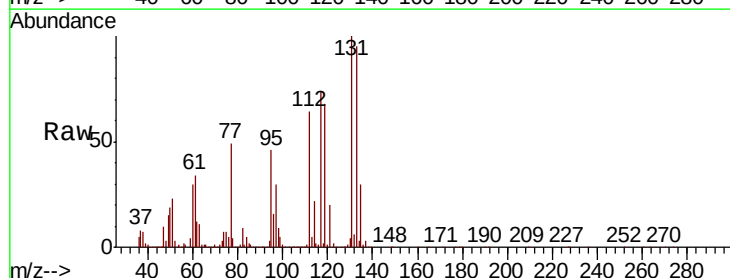
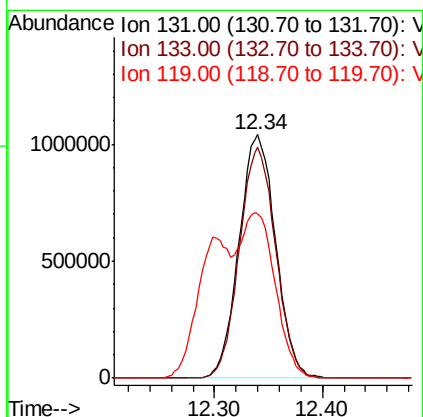
Manual Integrations
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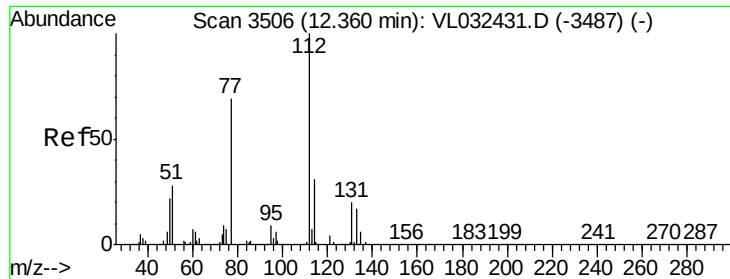
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#56
1,1,1,2-Tetrachloroethane
Concen: 13.01 ppbv
RT: 12.34 min Scan# 3500
Delta R.T. 0.00 min
Lab File: VL032437.D
Acq: 31 Aug 2018 4:27

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.5	77.0	115.4
119	120.0	48.9	73.3#





#57

Chlorobenzene

Concen: 13.08 ppbv

RT: 12.36 min Scan# 3507

Delta R.T. 0.00 min

Lab File: VL032437.D

Acq: 31 Aug 2018 4:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion:112 Resp: 4391925

Ion Ratio Lower Upper

112 100

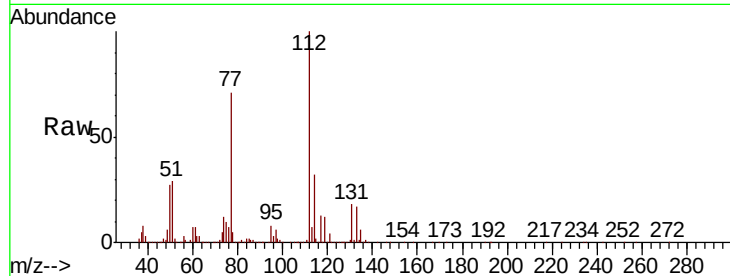
77 70.4 56.1 84.1

114 32.0 27.8 34.0

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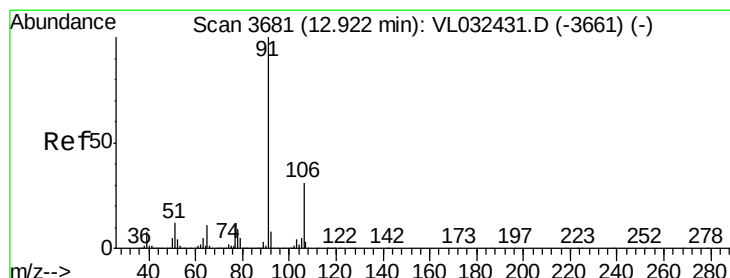
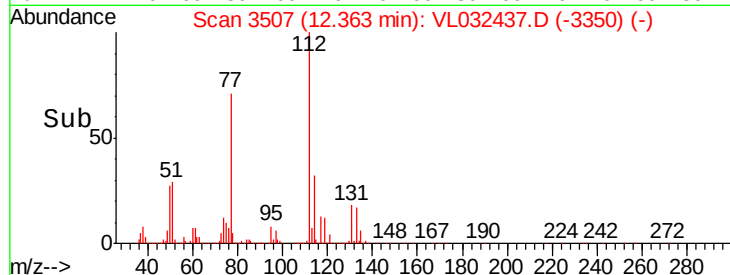
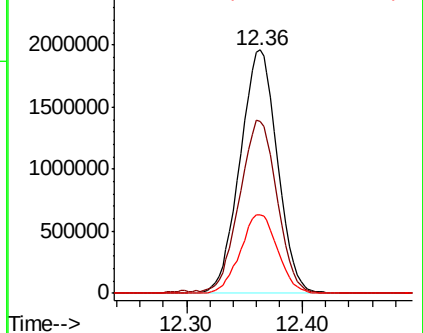
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 16.10 ppbv

RT: 12.93 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VL032437.D

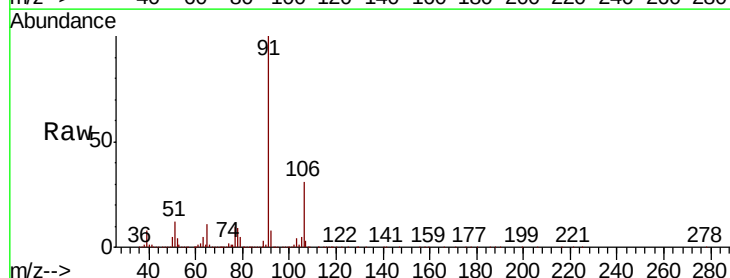
Acq: 31 Aug 2018 4:27

Tgt Ion: 91 Resp: 8049560

Ion Ratio Lower Upper

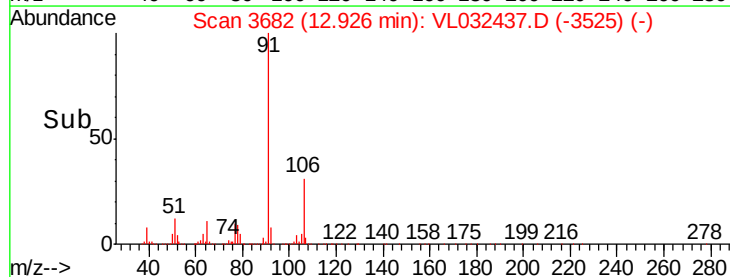
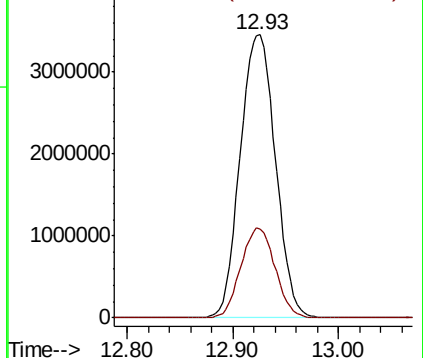
91 100

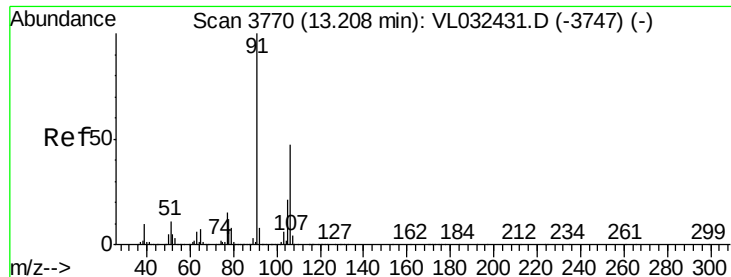
106 31.3 24.8 37.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





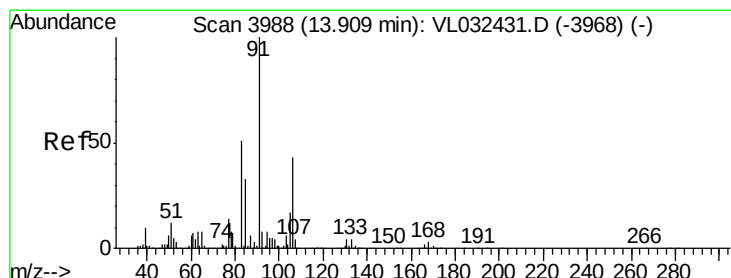
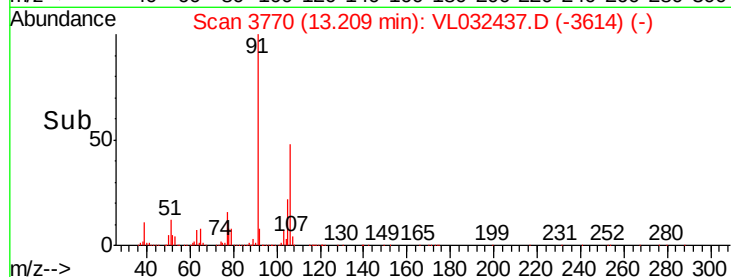
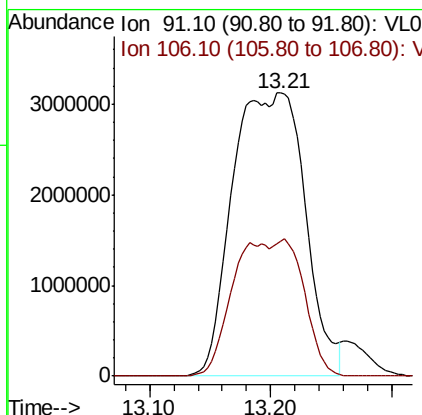
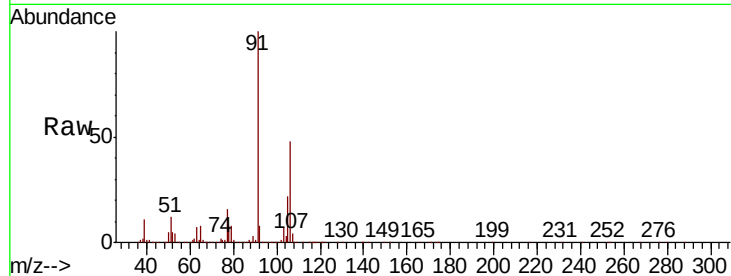
#59
m/p-Xylene
Concen: 29.15 ppbv m
RT: 13.21 min Scan# 3770
Delta R.T. 0.00 min
Lab File: VL032437.D
Acq: 31 Aug 2018 4:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 91 Resp: 12980255
Ion Ratio Lower Upper
91 100
106 46.6 35.0 52.6

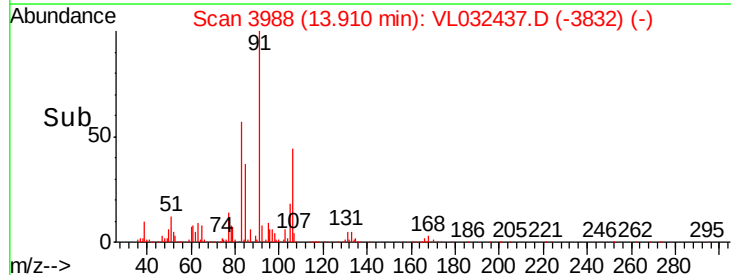
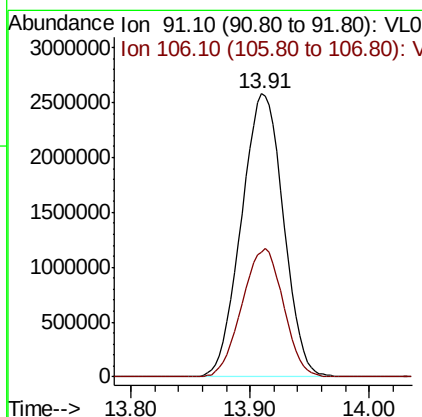
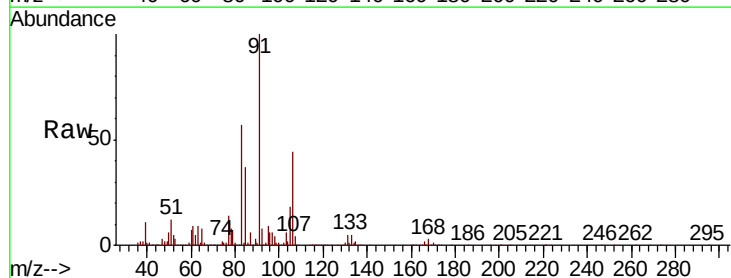
Manual Integrations
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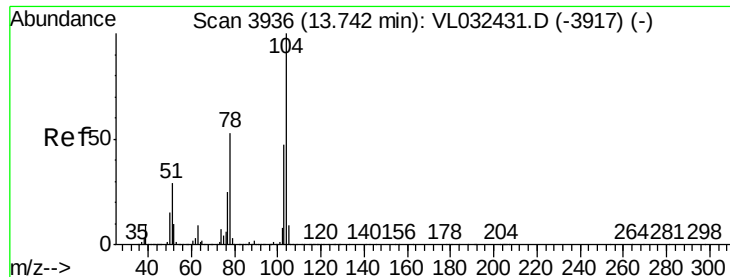
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#60
o-Xylene
Concen: 14.73 ppbv
RT: 13.91 min Scan# 3988
Delta R.T. 0.00 min
Lab File: VL032437.D
Acq: 31 Aug 2018 4:27

Tgt Ion: 91 Resp: 6302787
Ion Ratio Lower Upper
91 100
106 44.8 21.9 65.7





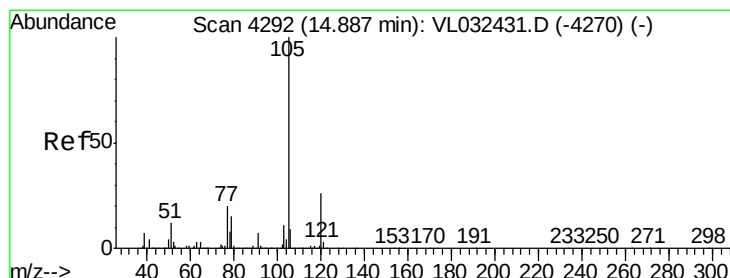
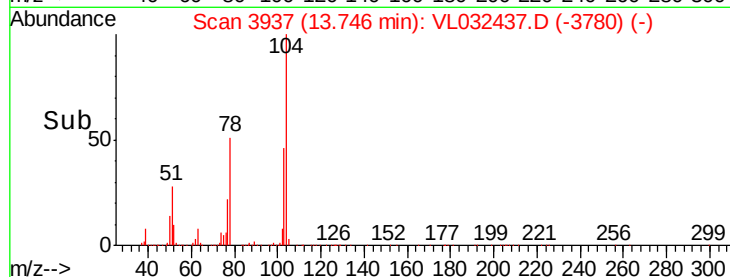
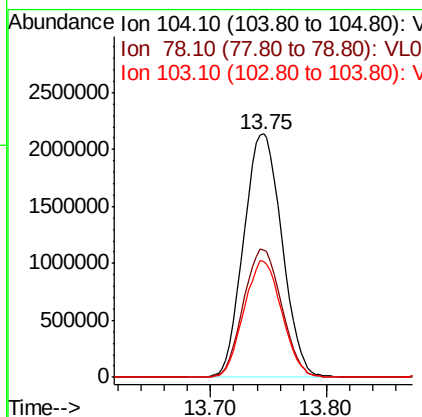
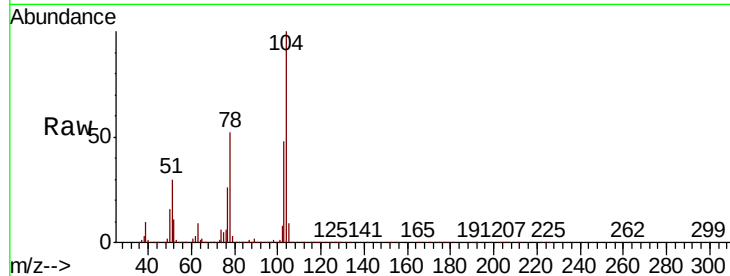
#61
Stvrene
Concen: 17.09 ppbv
RT: 13.75 min Scan# 3937
Delta R.T. 0.00 min
Lab File: VL032437.D
Acq: 31 Aug 2018 4:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
104	100		
78	52.7	41.8	62.8
103	47.6	38.0	57.0

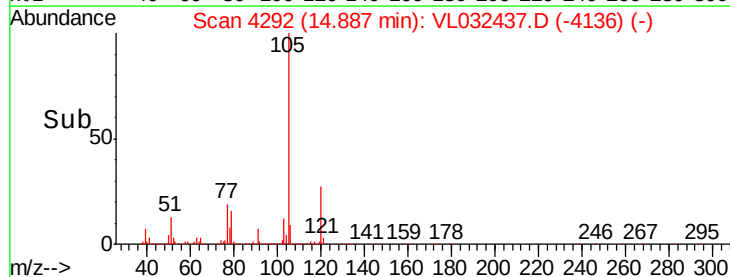
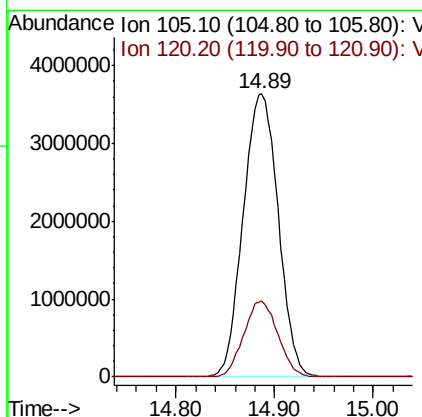
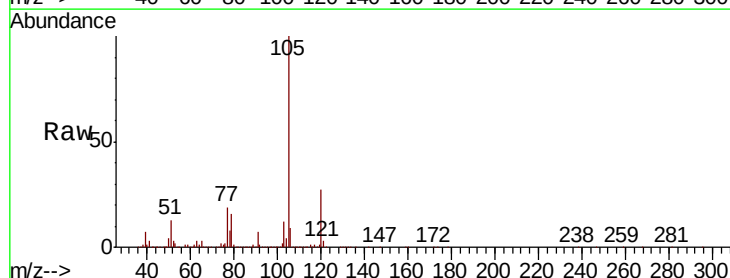
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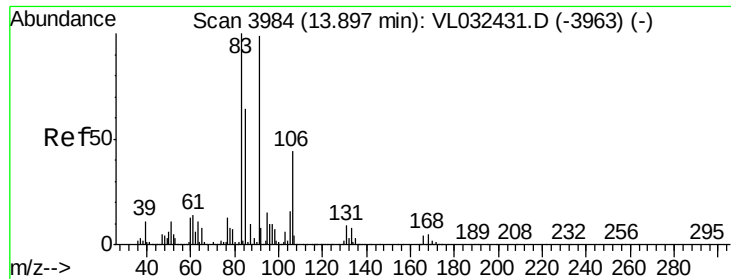
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9/4/2018 8:25:42 AM



#62
Isopropylbenzene
Concen: 14.76 ppbv
RT: 14.89 min Scan# 4292
Delta R.T. 0.00 min
Lab File: VL032437.D
Acq: 31 Aug 2018 4:27

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.1	20.6	31.0





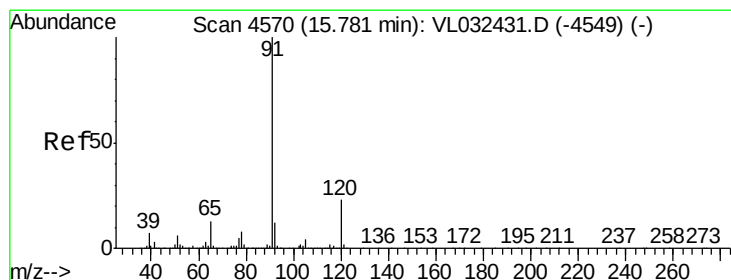
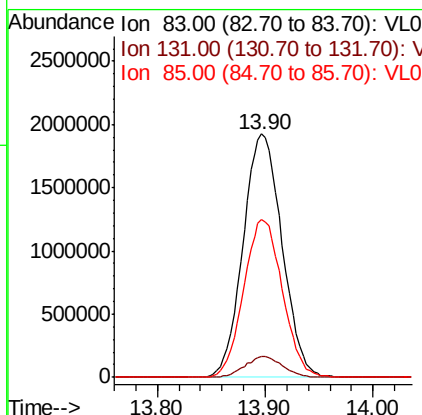
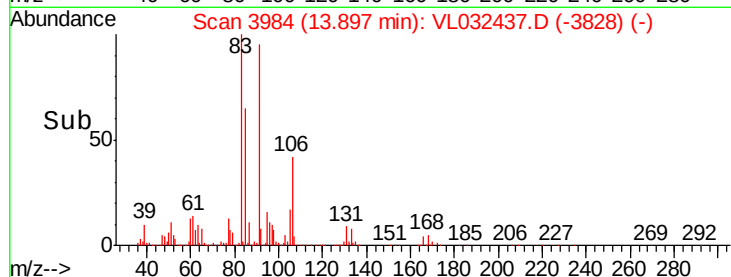
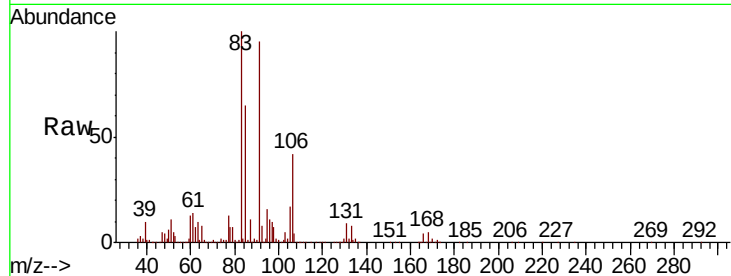
#63
 1,1,2,2-Tetrachloroethane
 Concen: 12.91 ppbv
 RT: 13.90 min Scan# 3984
 Delta R.T. 0.00 min
 Lab File: VL032437.D
 Acq: 31 Aug 2018 4:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion	83	Resp	4826447
Ion Ratio	100	Lower	Upper
83	100		
131	8.4	4.3	12.8
85	64.7	32.3	96.8

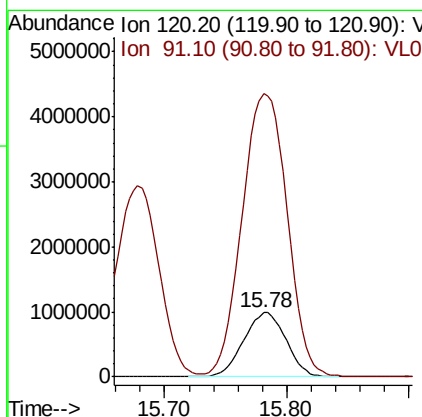
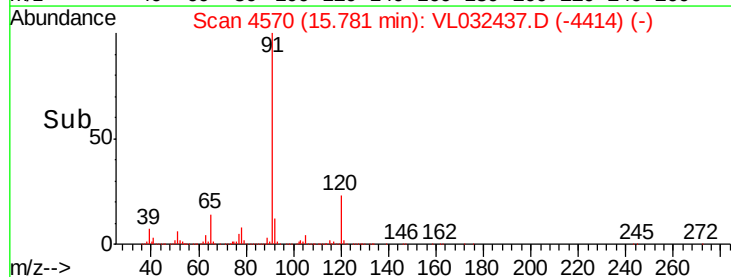
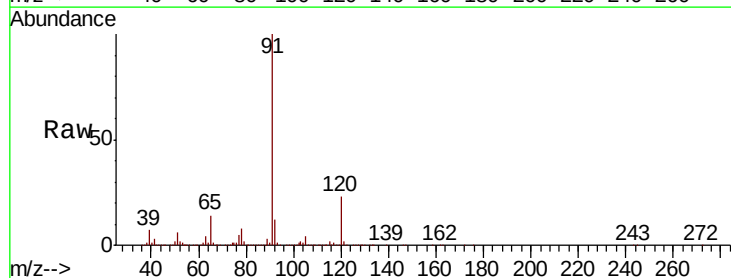
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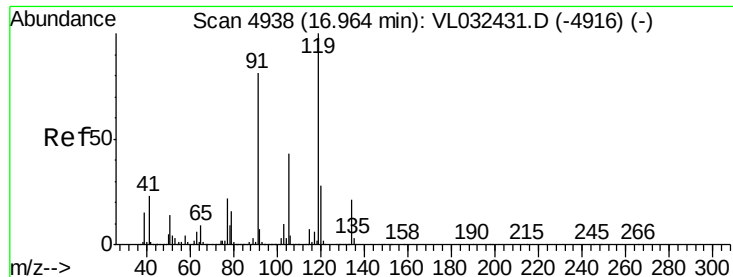
apatel
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#64
 n-propylbenzene
 Concen: 15.05 ppbv
 RT: 15.78 min Scan# 4570
 Delta R.T. 0.00 min
 Lab File: VL032437.D
 Acq: 31 Aug 2018 4:27

Tgt Ion	120	Resp	2382917
Ion Ratio	100	Lower	Upper
120	100		
91	469.5	381.8	572.6





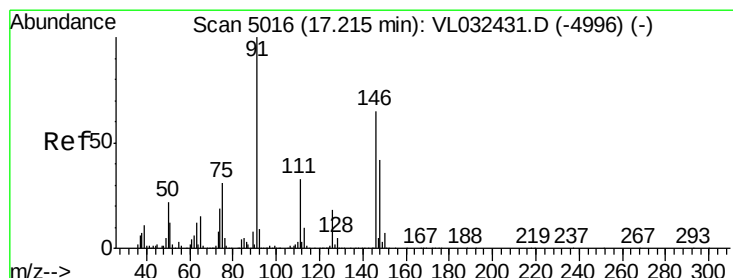
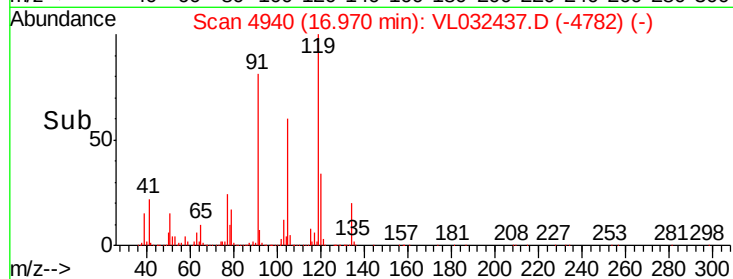
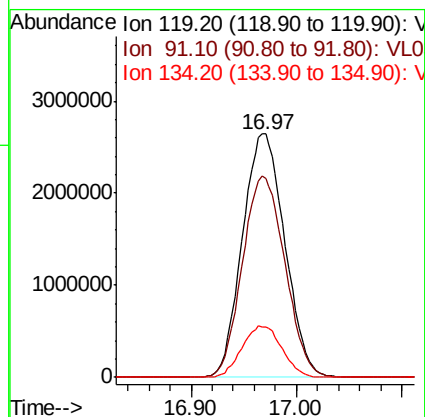
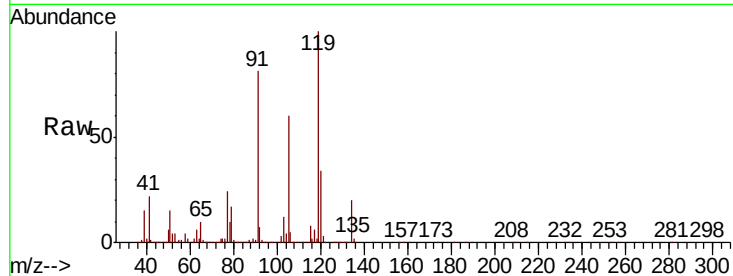
#65
tert-Butylbenzene
Concen: 14.19 ppbv
RT: 16.97 min Scan# 4940
Delta R.T. 0.01 min
Lab File: VL032437.D
Acq: 31 Aug 2018 4:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
119	100		
91	83.1	66.5	99.7
134	20.0	16.0	24.0

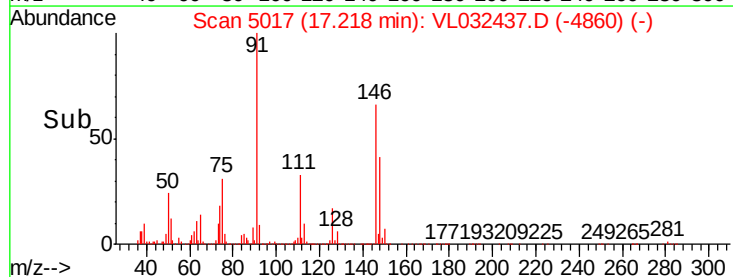
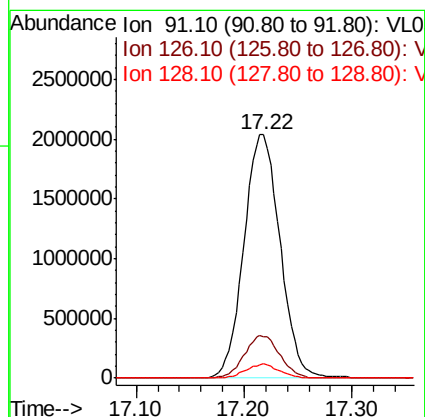
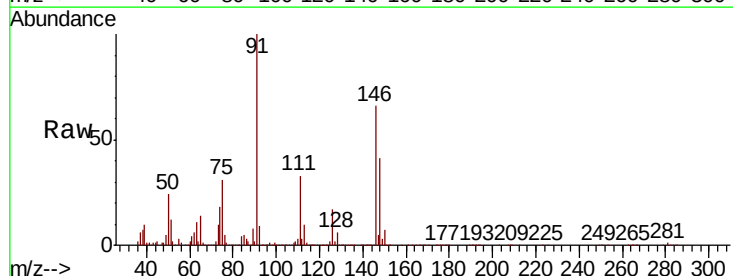
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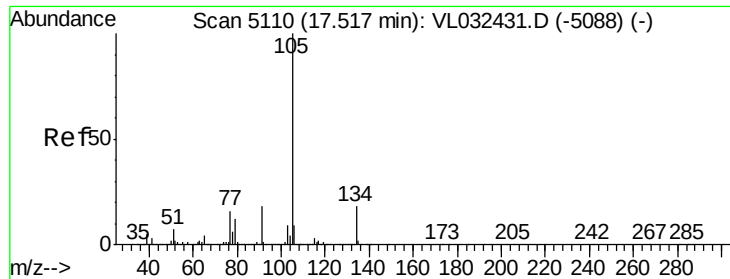
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#66
Benzyl Chloride
Concen: 14.69 ppbv
RT: 17.22 min Scan# 5017
Delta R.T. 0.00 min
Lab File: VL032437.D
Acq: 31 Aug 2018 4:27

Tgt Ion	Ratio	Lower	Upper
91	100		
126	17.2	13.8	20.8
128	5.4	4.4	6.6





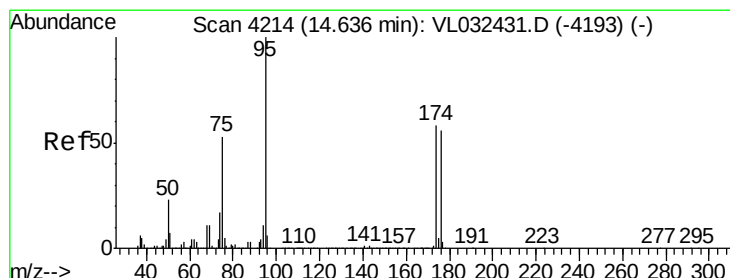
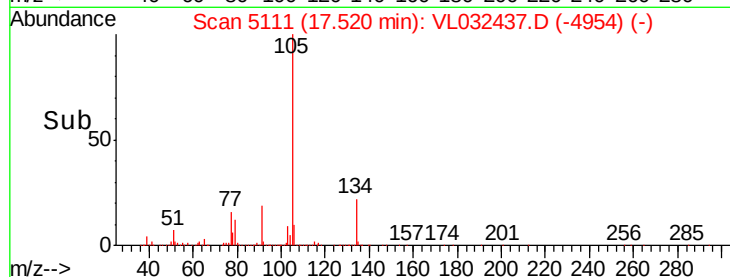
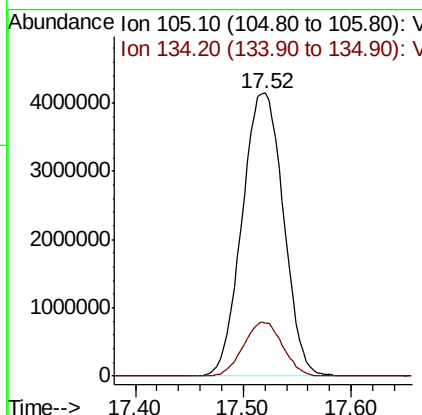
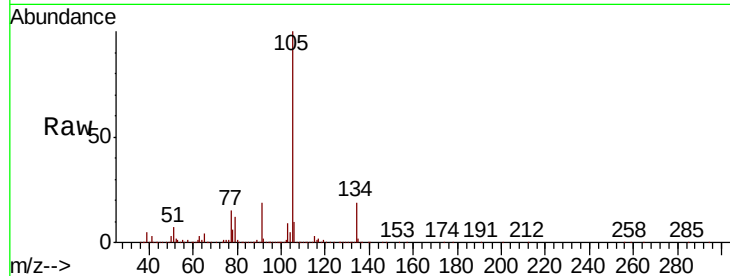
#67
 sec-Butylbenzene
 Concen: 14.26 ppbv
 RT: 17.52 min Scan# 5111
 Delta R.T. 0.00 min
 Lab File: VL032437.D
 Acq: 31 Aug 2018 4:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion:105 Resp:11033468
 Ion Ratio Lower Upper
 105 100
 134 18.2 14.4 21.6

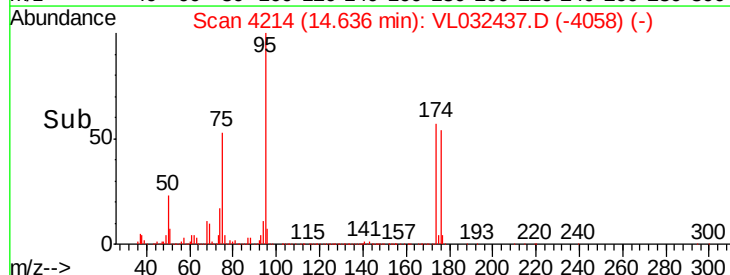
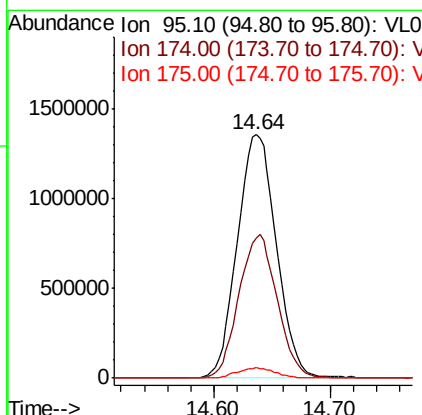
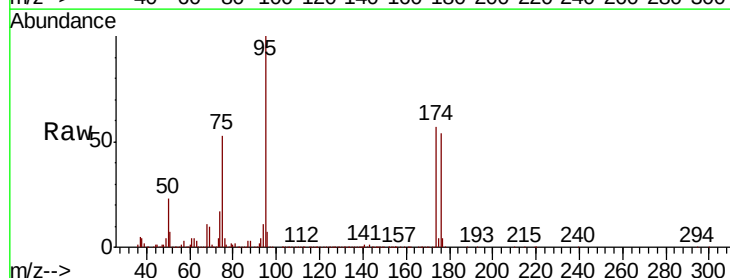
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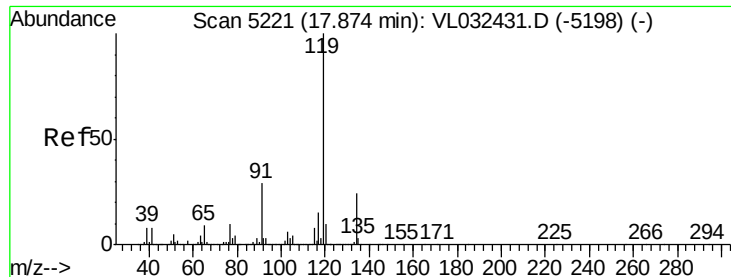
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.72 ppbv
 RT: 14.64 min Scan# 4214
 Delta R.T. 0.00 min
 Lab File: VL032437.D
 Acq: 31 Aug 2018 4:27

Tgt Ion: 95 Resp: 3176019
 Ion Ratio Lower Upper
 95 100
 174 58.3 46.3 69.5
 175 4.2 3.4 5.0





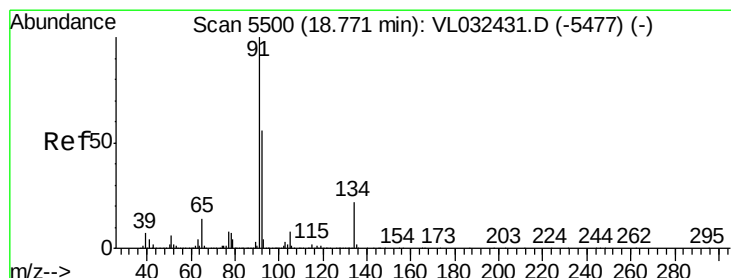
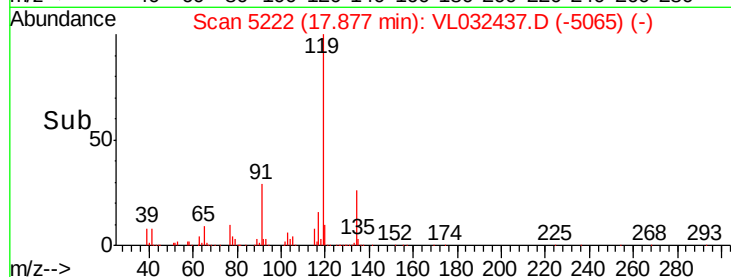
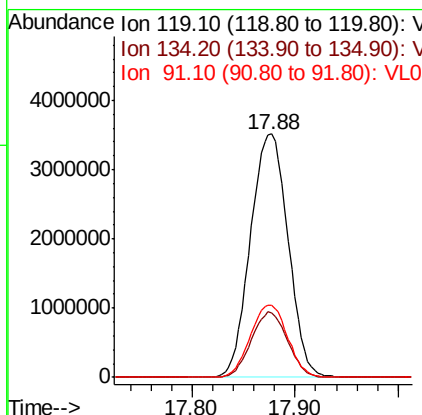
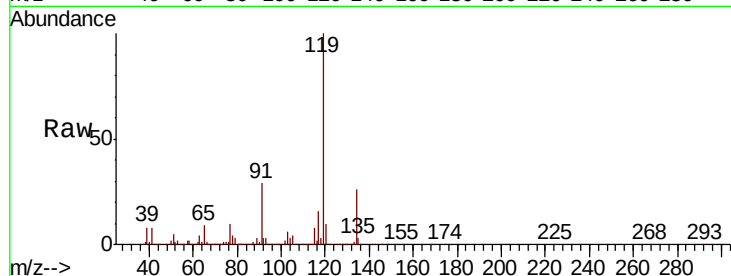
#69
 p-Isopropyltoluene
 Concen: 15.02 ppbv
 RT: 17.88 min Scan# 5222
 Delta R.T. 0.00 min
 Lab File: VL032437.D
 Acq: 31 Aug 2018 4:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.8	20.4	30.6
91	29.3	23.4	35.0

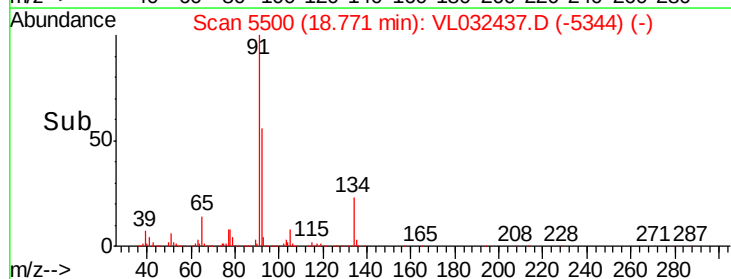
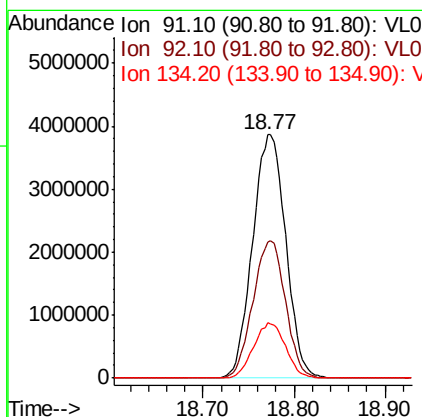
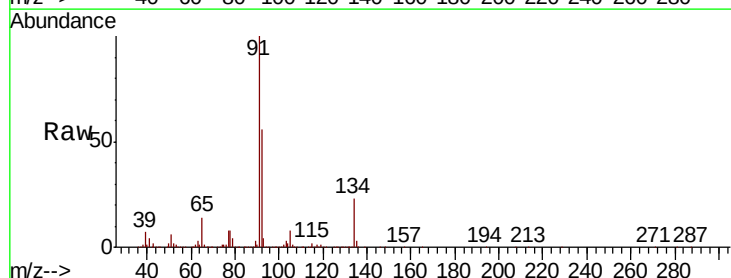
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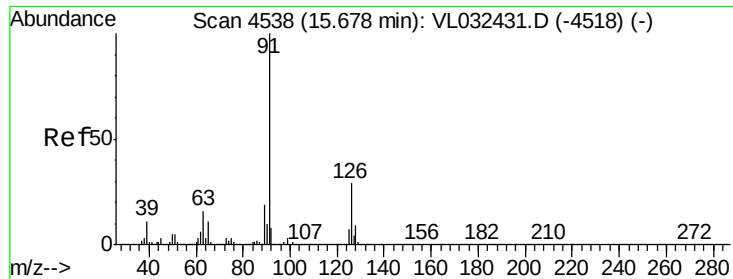
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#70
 n-Butylbenzene
 Concen: 14.85 ppbv
 RT: 18.77 min Scan# 5500
 Delta R.T. 0.00 min
 Lab File: VL032437.D
 Acq: 31 Aug 2018 4:27

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.4	43.8	65.8
134	21.8	17.4	26.0





#71

2-Chlorotoluene

Concen: 15.48 ppbv

RT: 15.68 min Scan# 4538

Delta R.T. 0.00 min

Lab File: VL032437.D

Acq: 31 Aug 2018 4:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 91 Resp: 7166498

Ion Ratio Lower Upper

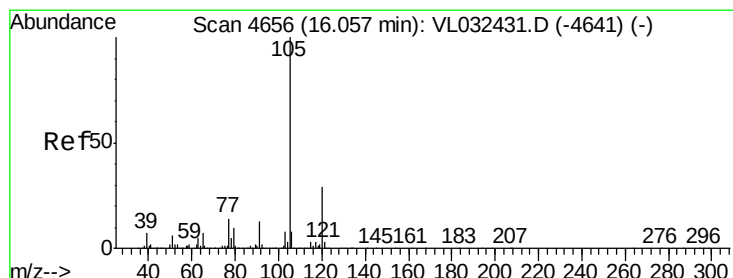
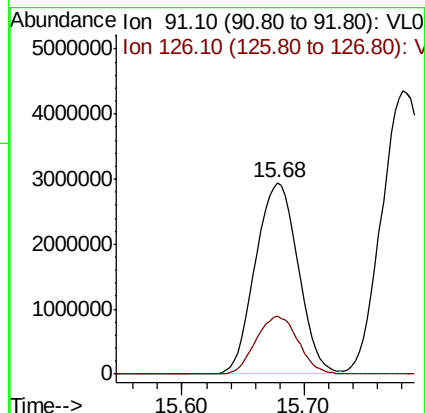
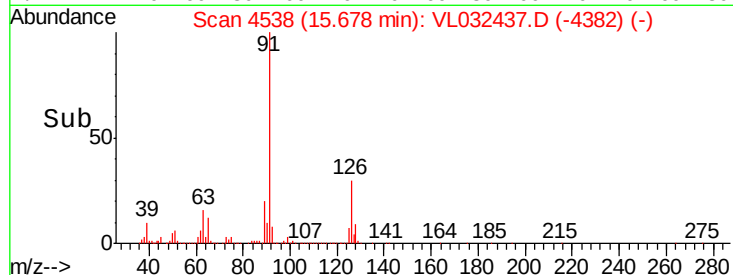
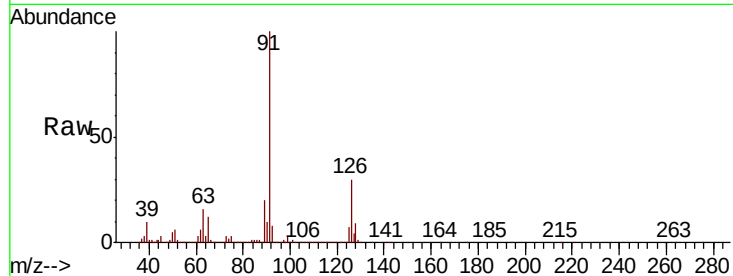
91 100

126 30.0 11.9 47.7

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#72

4-Ethyltoluene

Concen: 16.21 ppbv

RT: 16.06 min Scan# 4657

Delta R.T. 0.00 min

Lab File: VL032437.D

Acq: 31 Aug 2018 4:27

Tgt Ion: 105 Resp: 7553467

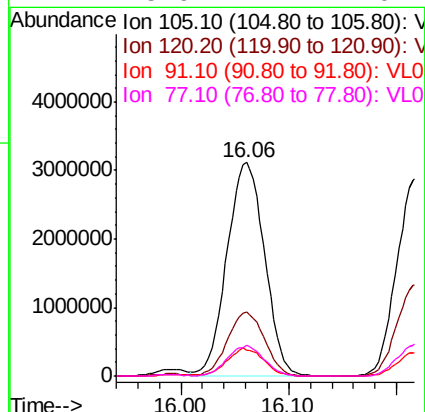
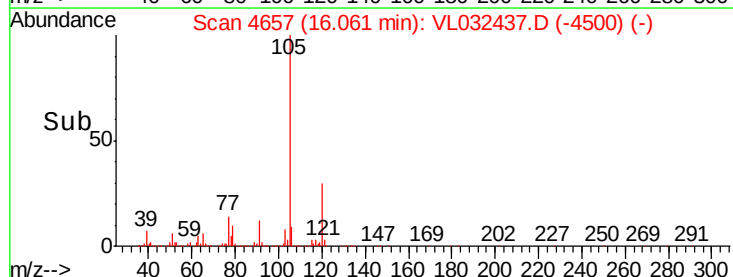
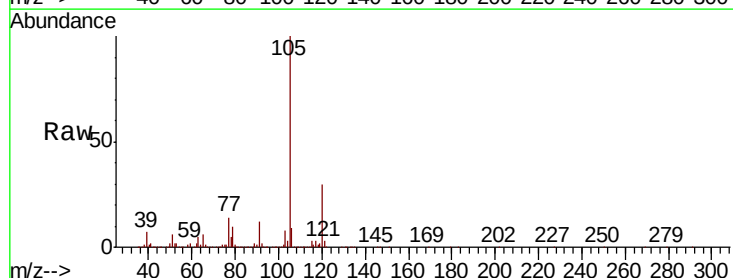
Ion Ratio Lower Upper

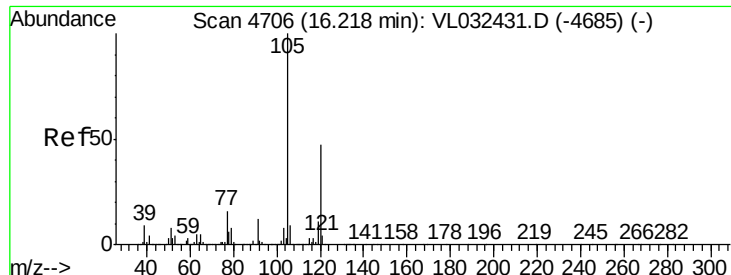
105 100

120 30.4 23.5 35.3

91 12.6 10.2 15.2

77 13.9 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 16.03 ppbv

RT: 16.22 min Scan# 4706

Delta R.T. 0.00 min

Lab File: VL032437.D

Acq: 31 Aug 2018 4:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion:105 Resp: 7138763

Ion Ratio Lower Upper

105 100

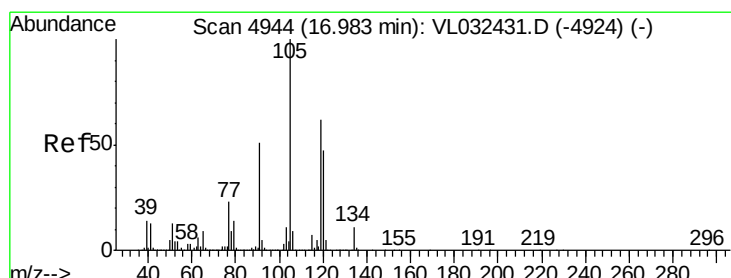
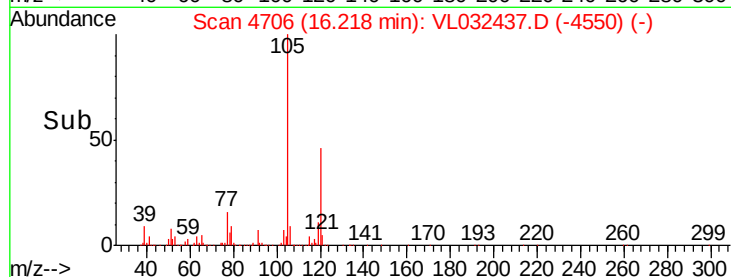
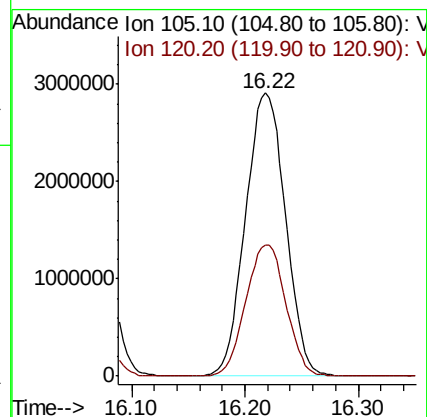
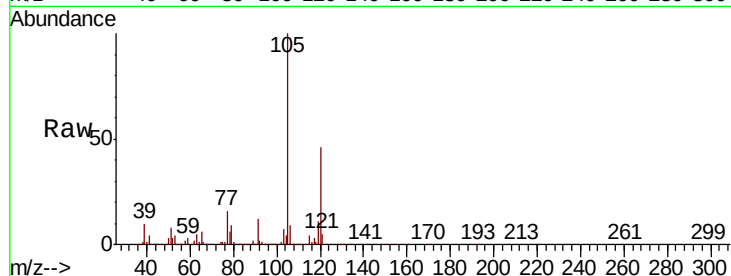
120 46.1 37.9 56.9

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#74

1,2,4-Trimethylbenzene

Concen: 14.36 ppbv

RT: 16.99 min Scan# 4946

Delta R.T. 0.01 min

Lab File: VL032437.D

Acq: 31 Aug 2018 4:27

Tgt Ion:105 Resp: 6902826

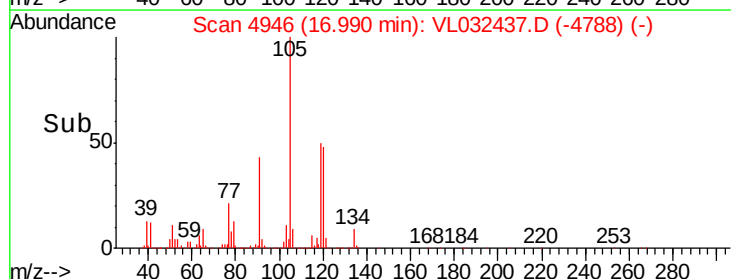
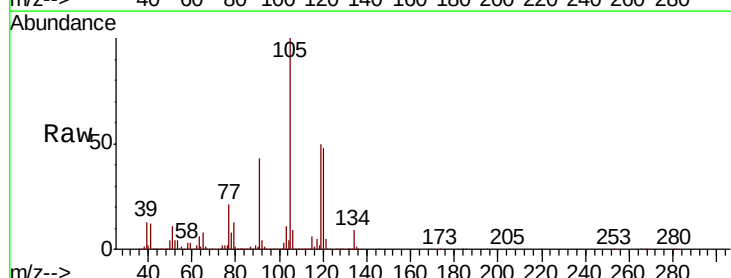
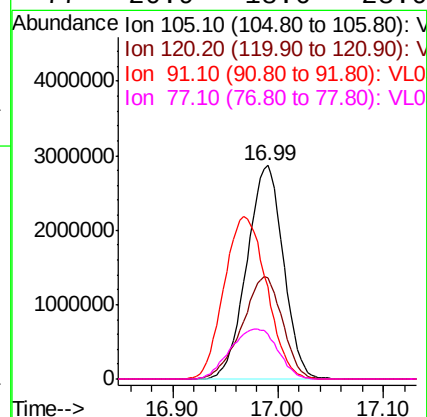
Ion Ratio Lower Upper

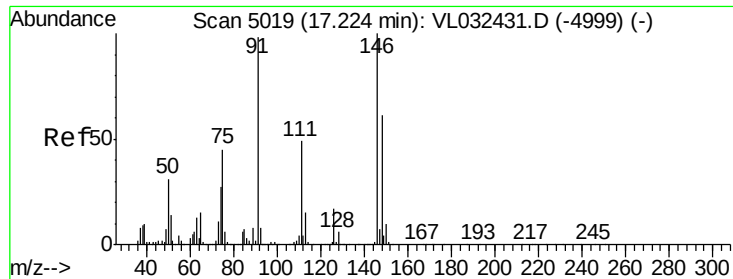
105 100

120 47.5 37.8 56.8

91 43.1 41.4 62.0

77 20.9 18.6 28.0





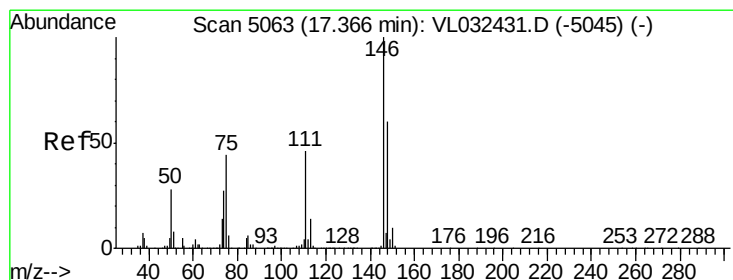
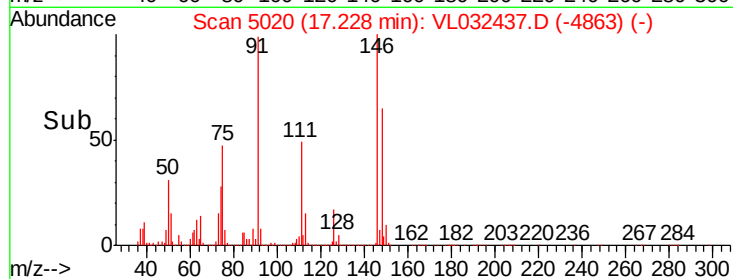
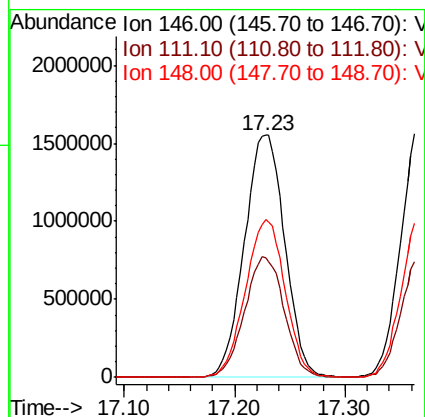
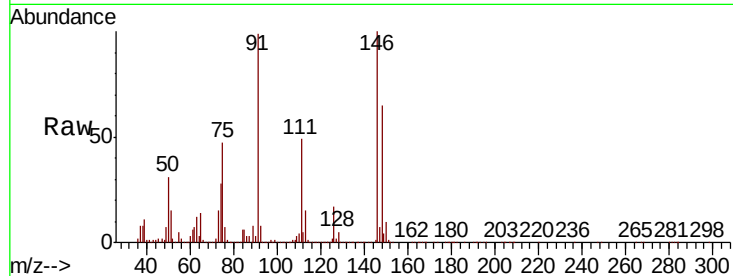
#75
 1,3-Dichlorobenzene
 Concen: 12.83 ppbv
 RT: 17.23 min Scan# 5020
 Delta R.T. 0.00 min
 Lab File: VL032437.D
 Acq: 31 Aug 2018 4:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
146	100		
111	49.0	24.6	73.6
148	64.2	32.0	96.2

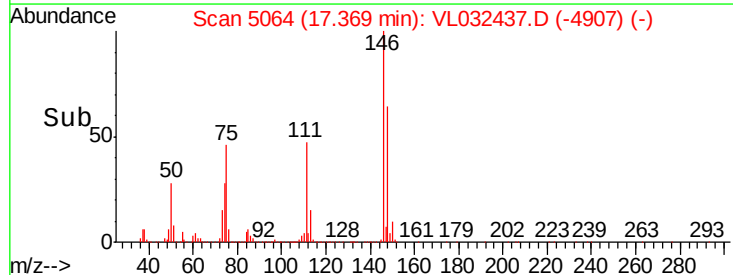
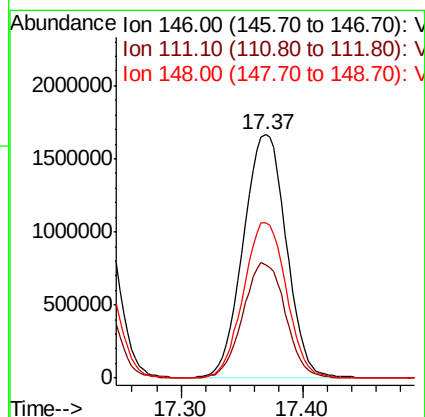
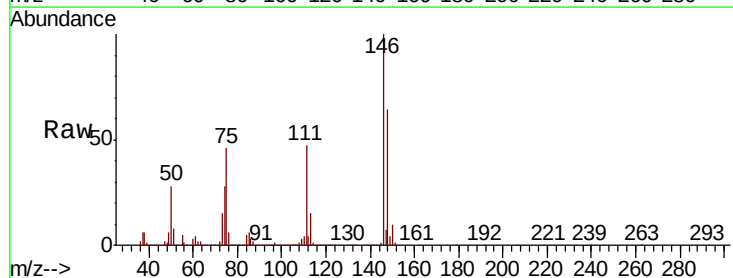
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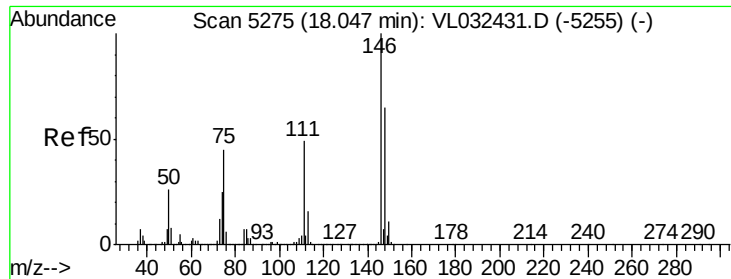
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#76
 1,4-Dichlorobenzene
 Concen: 14.32 ppbv
 RT: 17.37 min Scan# 5064
 Delta R.T. 0.00 min
 Lab File: VL032437.D
 Acq: 31 Aug 2018 4:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.0	23.4	70.3
148	64.0	31.9	95.9





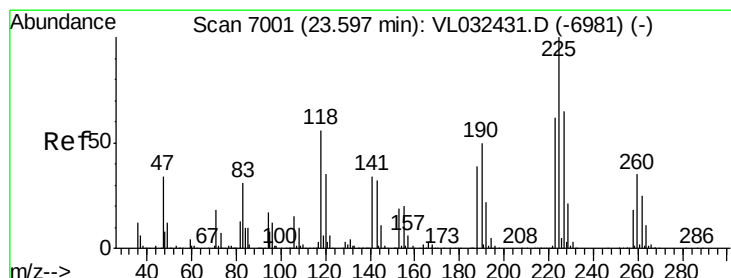
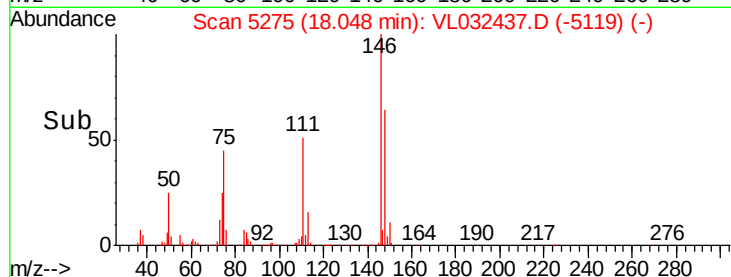
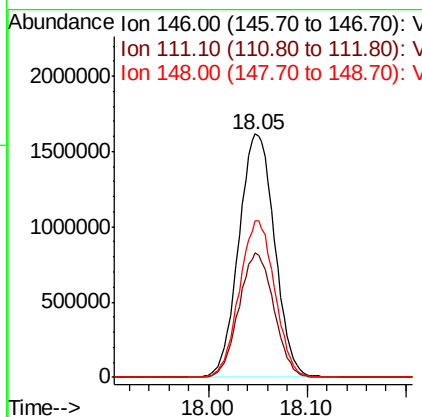
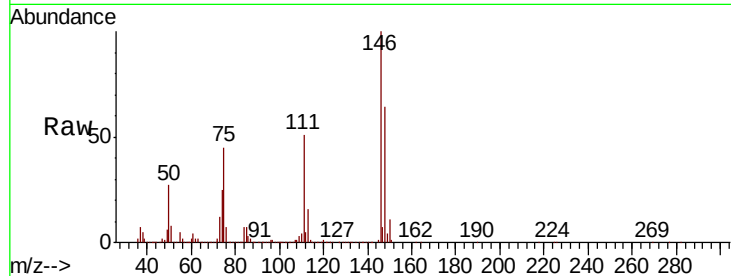
#77
 1,2-Dichlorobenzene
 Concen: 13.77 ppbv
 RT: 18.05 min Scan# 5275
 Delta R.T. 0.00 min
 Lab File: VL032437.D
 Acq: 31 Aug 2018 4:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion:146 Resp: 4055014
 Ion Ratio Lower Upper
 146 100
 111 50.0 24.9 74.7
 148 63.6 31.9 95.9

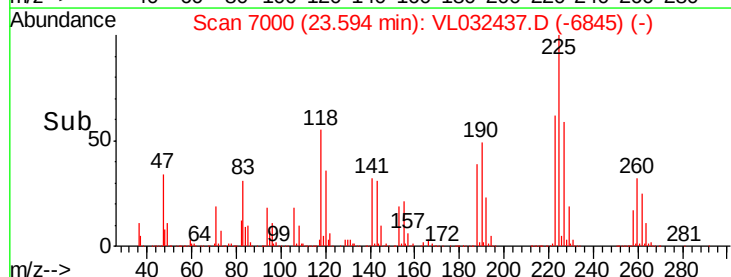
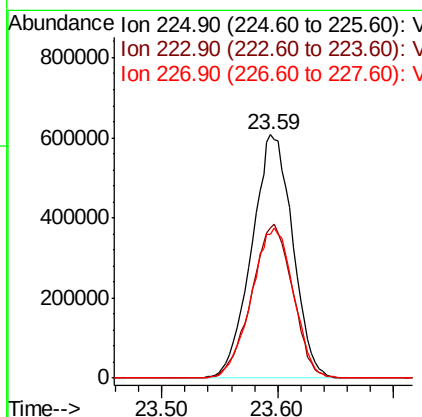
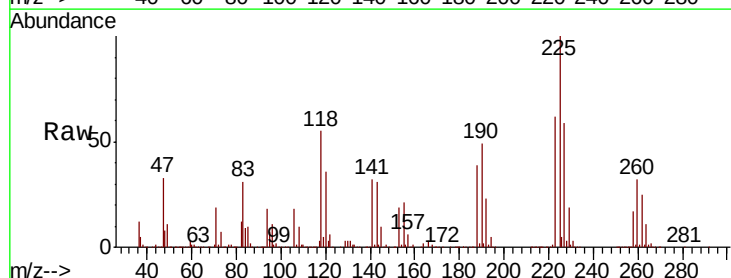
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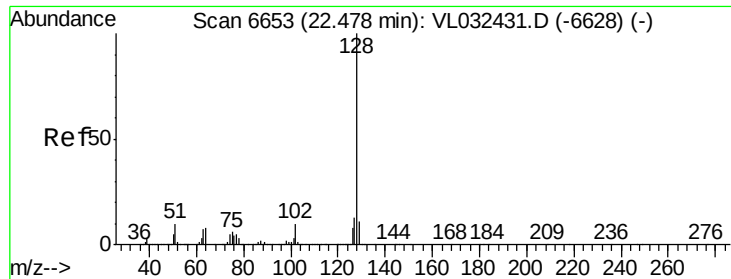
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#78
 Hexachloro-1,3-Butadiene
 Concen: 11.72 ppbv
 RT: 23.59 min Scan# 7000
 Delta R.T. -0.00 min
 Lab File: VL032437.D
 Acq: 31 Aug 2018 4:27

Tgt Ion:225 Resp: 1489480
 Ion Ratio Lower Upper
 225 100
 223 63.6 50.6 76.0
 227 63.3 51.2 76.8





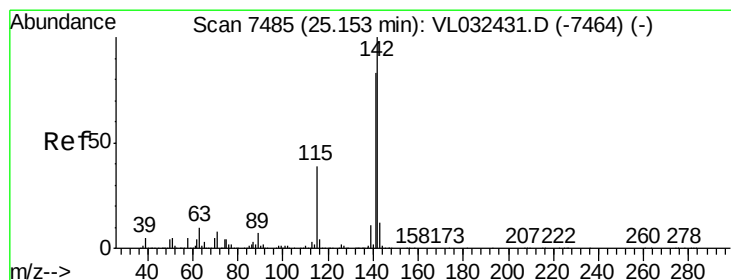
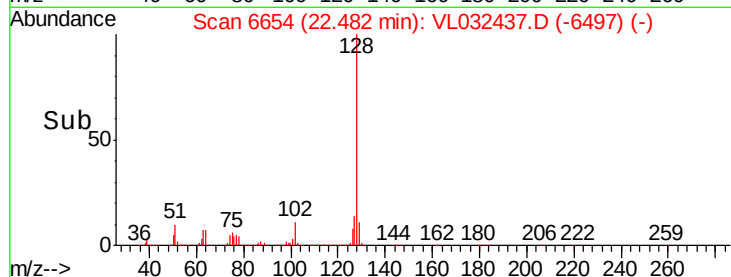
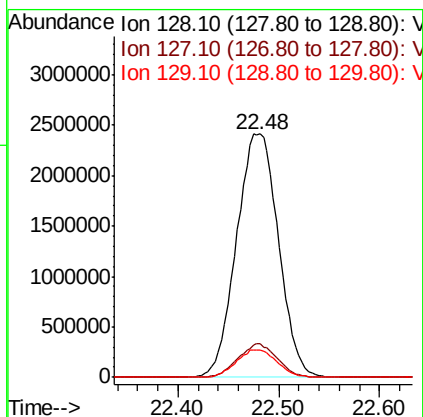
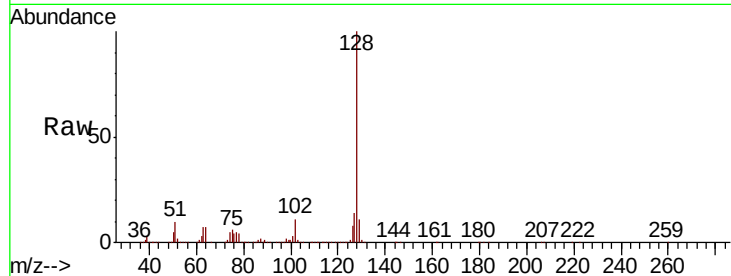
#79
Naphthalene
Concen: 21.72 ppbv
RT: 22.48 min Scan# 6654
Delta R.T. 0.00 min
Lab File: VL032437.D
Acq: 31 Aug 2018 4:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.2	15.2
129	11.2	8.5	12.7

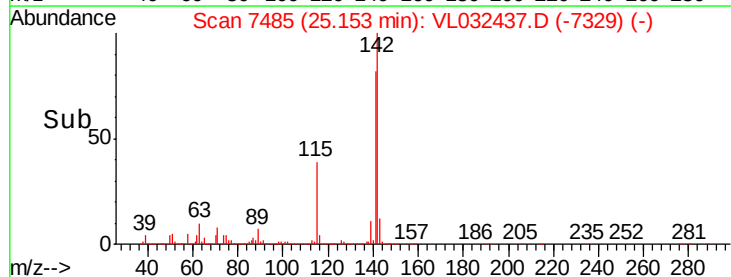
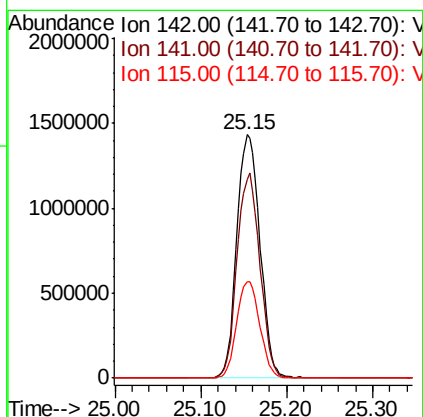
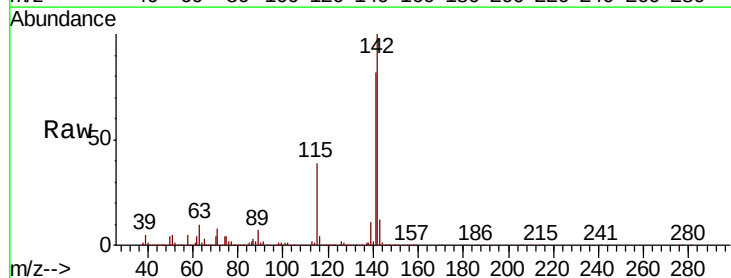
Manual Integrations
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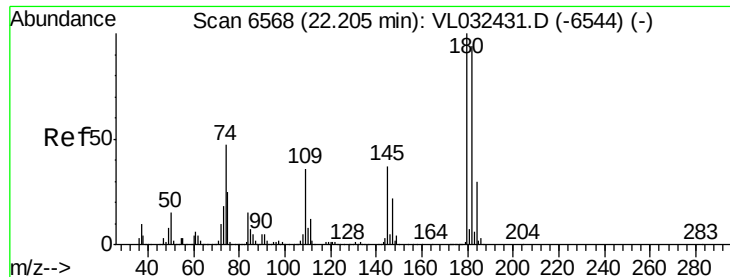
apatel
9/4/2018 8:25:42 AM



#80
Naphthalene, 2-methyl-
Concen: 32.18 ppbv
RT: 25.15 min Scan# 7485
Delta R.T. 0.00 min
Lab File: VL032437.D
Acq: 31 Aug 2018 4:27

Tgt Ion	Ratio	Lower	Upper
142	100		
141	83.4	67.0	100.6
115	39.6	31.2	46.8





#81
 1,2,4-Trichlorobenzene
 Concen: 18.69 ppbv
 RT: 22.20 min Scan# 6568
 Delta R.T. 0.00 min
 Lab File: VL032437.D
 Acq: 31 Aug 2018 4:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.2	114.2
184	30.6	23.9	35.9

Manual Integrations
 APPROVED

apatel
 9/4/2018 8:25:42 AM

