

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092418\
 Data File : VL032523.D
 Acq On : 25 Sep 2018 00:17
 Operator : SY/AP
 Sample : VL0924ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0924ABS01

Manual Integrations
 APPROVED

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 9/26/2018 4:47:50 PM

Quant Time: Sep 25 06:06:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Sep 25 2018
 QLast Update : Tue Sep 25 05:17:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.79	49	1441818	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.32	114	3581440	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.27	117	3747806m	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.61	95	2793047	9.88	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.09	85	1814613	13.607	ppbv	100
3) Chlorodifluoromethane	3.03	51	1211719	10.106	ppbv	100
4) Chloromethane	3.19	50	699807	10.009	ppbv	99
5) Vinyl Chloride	3.31	62	680738	9.636	ppbv	99
6) Bromomethane	3.53	94	403610	10.447	ppbv	99
7) Chloroethane	3.62	64	272099	10.810	ppbv	99
8) Dichlorotetrafluoroethane	3.24	85	1515977	10.404	ppbv	100
9) Propene	3.05	41	551217	10.596	ppbv	99
10) Heptane	8.28	43	2082068	10.911	ppbv	99
11) Trichlorofluoromethane	4.02	101	1649672	10.406	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.58	101	1318854	10.177	ppbv	98
13) Ethanol	3.67	45	132040	8.444	ppbv	94
14) Bromoethene	3.81	108	504247	10.966	ppbv	99
15) Acetone	3.92	43	1226308	9.690	ppbv	100
16) 1,3-Butadiene	3.38	39	589069	11.477	ppbv	94
17) tert-Butyl alcohol	4.38	59	165993	10.437	ppbv #	100
18) 1,1-Dichloroethene	4.37	96	632464	10.421	ppbv	95
19) Isopropyl Alcohol	4.04	45	881941	10.005	ppbv	99
20) Methylene Chloride	4.43	84	566498	9.243	ppbv	97
21) Allyl Chloride	4.50	41	1083767	10.478	ppbv	100
22) trans-1,2-Dichloroethene	4.99	96	604783	10.574	ppbv	97
23) Vinyl Acetate	5.18	43	2431301	10.872	ppbv	99
24) 1,1-Dichloroethane	5.12	63	1883117	10.112	ppbv	99
25) Ethyl Acetate	5.80	43	2896994	9.433	ppbv	100
26) Hexane	5.81	57	1346038	9.704	ppbv	99
27) Carbon Disulfide	4.64	76	1629132	10.925	ppbv	98
28) Methyl tert-Butyl Ether	5.14	73	1934146	11.193	ppbv	98
29) Chloroform	5.88	83	2054470	9.653	ppbv	98
30) Cyclohexane	7.28	84	1282396	11.354	ppbv	98
31) cis-1,2-Dichloroethene	5.67	61	1416255	10.720	ppbv	97
32) 1,1,1-Trichloroethane	6.65	97	2068271	9.119	ppbv	98
34) 2-Butanone	5.35	43	2089343	9.797	ppbv	100
35) Carbon Tetrachloride	7.16	117	2280584	9.164	ppbv	99
36) Benzene	7.04	78	2832037	9.785	ppbv	99
37) 1,2-Dichloroethane	6.44	62	1649681	9.458	ppbv	99
38) Trichloroethene	7.99	130	1124077	10.146	ppbv	98
39) 1,2-Dichloropropane	7.77	63	1250853	9.590	ppbv	99
40) 1,4-Dioxane	7.99	88	410345	10.260	ppbv	88
41) Tetrahydrofuran	6.17	42	1195749	10.320	ppbv	98
42) Bromodichloromethane	7.95	83	2579332	9.870	ppbv	98
43) Methyl Methacrylate	8.17	69	1289178	10.662	ppbv	99

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 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

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 ClientSampleId :
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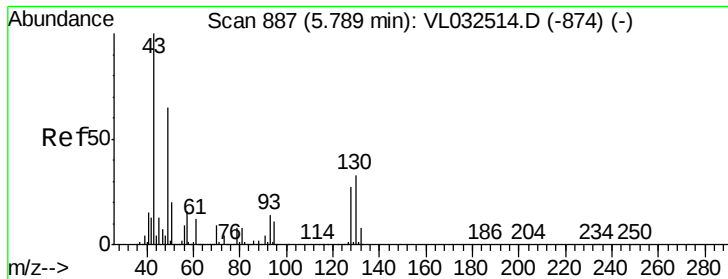
Manual Integrations
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Quant Time: Sep 25 06:06:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Sep 25 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.02	57	5596501	9.894	ppbv	100
45) t-1,3-Dichloropropene	9.45	75	1735001	11.536	ppbv	98
46) cis-1,3-Dichloropropene	8.87	75	1712720	9.709	ppbv	99
47) 1,1,2-Trichloroethane	9.65	97	1388963	9.588	ppbv	99
48) Dibromochloromethane	10.49	129	2280345	10.011	ppbv	100
49) Bromoform	13.24	173	1756503	10.091	ppbv	100
50) 4-Methyl-2-Pentanone	8.90	43	2960818	8.832	ppbv	100
51) 2-Hexanone	10.30	43	2935190	10.586	ppbv #	99
52) Tetrachloroethene	11.41	164	977040	9.695	ppbv	99
53) Toluene	9.98	91	3851633	10.920	ppbv	100
54) 1,2-Dibromoethane	10.79	107	2066588	10.030	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.31	131	1534485	9.109	ppbv #	60
57) Chlorobenzene	12.34	112	2681970	8.884	ppbv	99
58) Ethyl Benzene	12.90	91	4801239	10.561	ppbv	97
59) m/p-Xylene	13.19	91	7894393m	19.517	ppbv	
60) o-Xylene	13.88	91	3902252	9.909	ppbv	100
61) Styrene	13.72	104	2855590	11.085	ppbv	99
62) Isopropylbenzene	14.86	105	5462197	9.808	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.87	83	2960445	8.462	ppbv	99
64) n-propylbenzene	15.76	120	1422573	9.943	ppbv	98
65) tert-Butylbenzene	16.94	119	4601359	9.640	ppbv	100
66) Benzyl Chloride	17.19	91	2736179	9.946	ppbv	100
67) sec-Butylbenzene	17.50	105	6812188	9.599	ppbv	100
69) p-Isopropyltoluene	17.85	119	5424976	9.897	ppbv	100
70) n-Butylbenzene	18.75	91	5932234	9.908	ppbv	99
71) 2-Chlorotoluene	15.65	91	4270873	10.069	ppbv	100
72) 4-Ethyltoluene	16.04	105	4476296	10.472	ppbv	99
73) 1,3,5-Trimethylbenzene	16.19	105	4275784	10.293	ppbv	96
74) 1,2,4-Trimethylbenzene	16.96	105	4321239	9.661	ppbv	95
75) 1,3-Dichlorobenzene	17.20	146	2381311	8.628	ppbv	100
76) 1,4-Dichlorobenzene	17.34	146	2385812	9.441	ppbv	99
77) 1,2-Dichlorobenzene	18.03	146	2360463	9.094	ppbv	100
78) Hexachloro-1,3-Butadiene	23.58	225	761971	7.822	ppbv	99
79) Naphthalene	22.45	128	3741039	11.597	ppbv	98
80) Naphthalene, 2-methyl-	25.14	142	1178794	15.565	ppbv	99
81) 1,2,4-Trichlorobenzene	22.17	180	1775986	10.742	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.79 min Scan# 887

Delta R.T. -0.02 min

Lab File: VL032523.D

Acq: 25 Sep 2018 00:17

Instrument :

MSVOA_L

ClientSampleId :

VL0924ABS01

Tot Ion: 49 Resp: 1441818

Ion Ratio Lower Upper

49 100

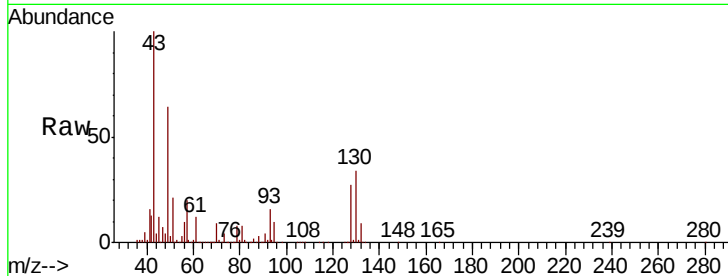
128 42.9 20.7 62.1

130 54.6 26.6 79.7

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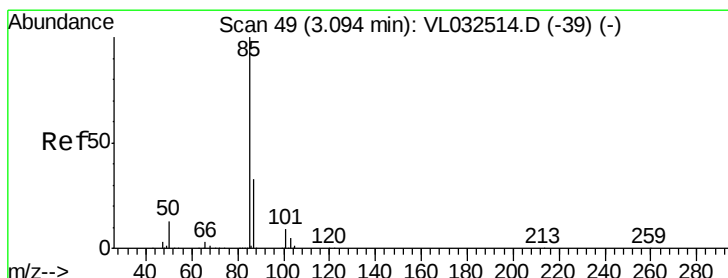
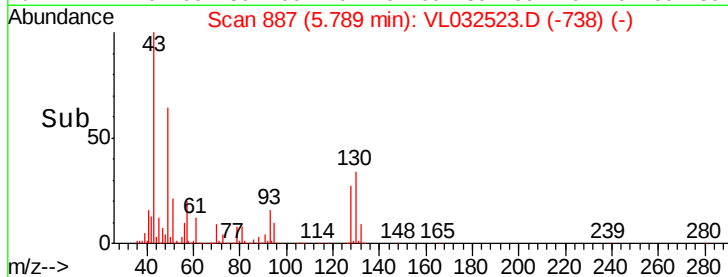
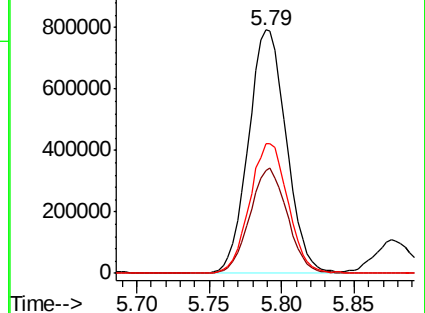
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 13.607 ppbv

RT: 3.09 min Scan# 48

Delta R.T. -0.02 min

Lab File: VL032523.D

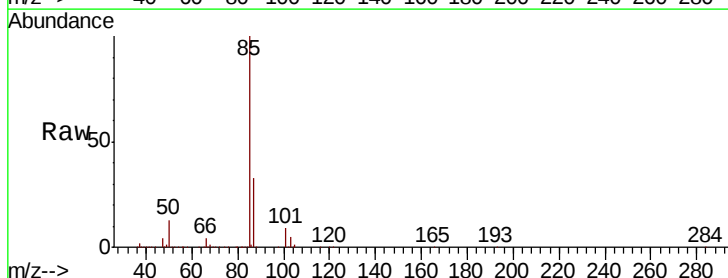
Acq: 25 Sep 2018 00:17

Tgt Ion: 85 Resp: 1814613

Ion Ratio Lower Upper

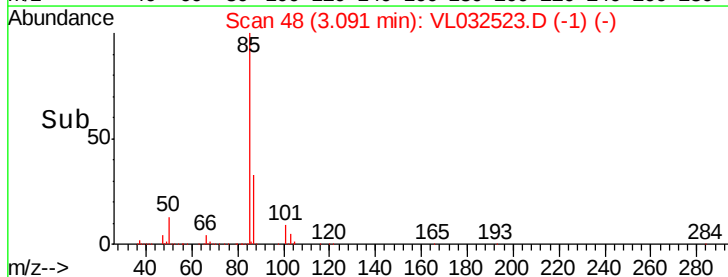
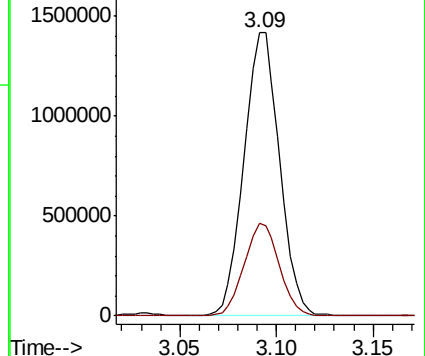
85 100

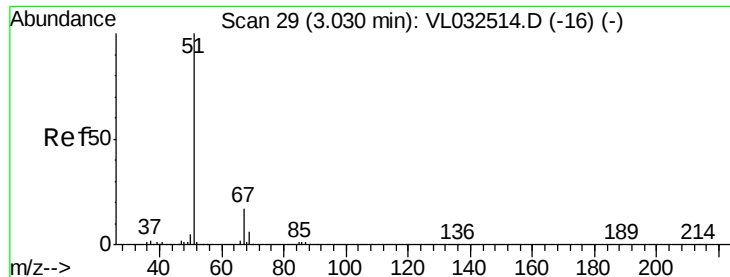
87 32.9 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 10.106 ppbv

RT: 3.03 min Scan# 29

Delta R.T. -0.01 min

Lab File: VL032523.D

Acq: 25 Sep 2018 00:17

Tot Ion: 51 Resp: 1211719

Ion Ratio Lower Upper

51 100

67 17.4 13.8 20.8

Instrument :

MSVOA_L

ClientSampleId :

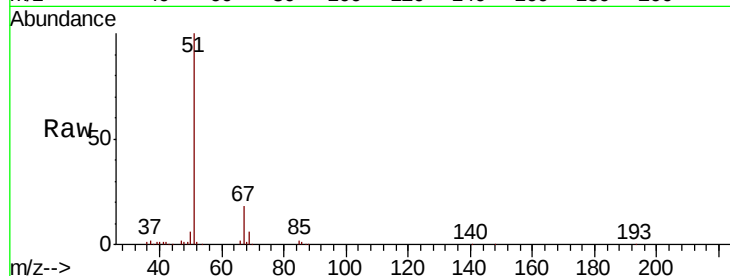
VL0924ABS01

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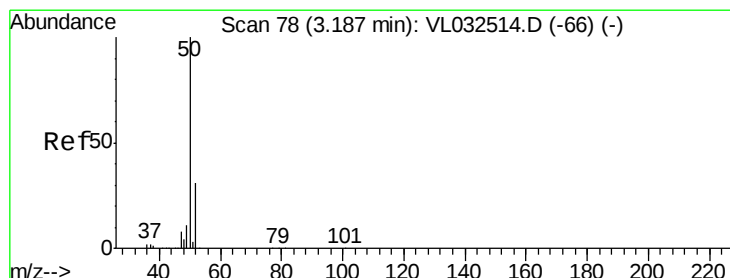
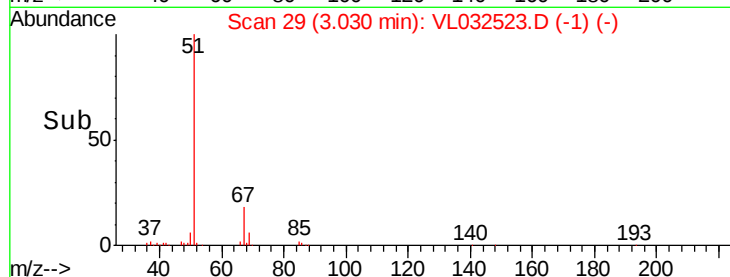
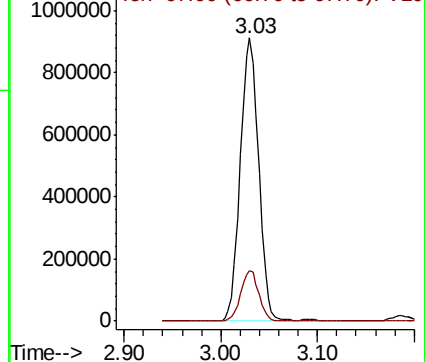
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 10.009 ppbv

RT: 3.19 min Scan# 78

Delta R.T. -0.01 min

Lab File: VL032523.D

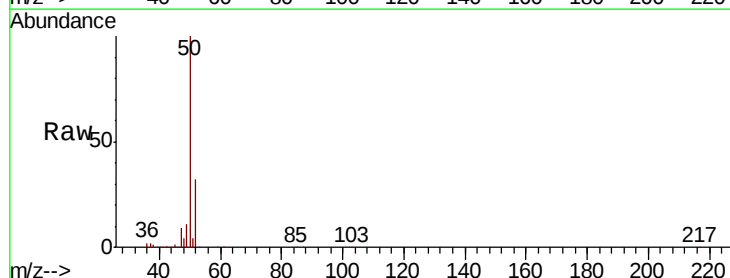
Acq: 25 Sep 2018 00:17

Tgt Ion: 50 Resp: 699807

Ion Ratio Lower Upper

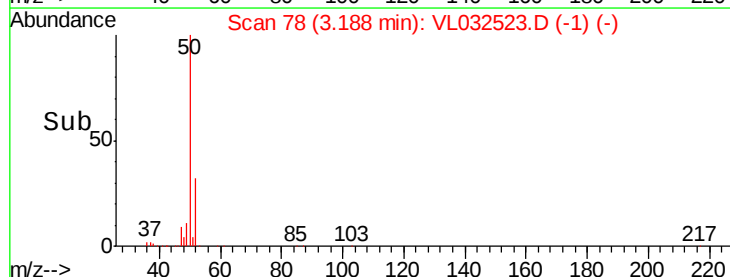
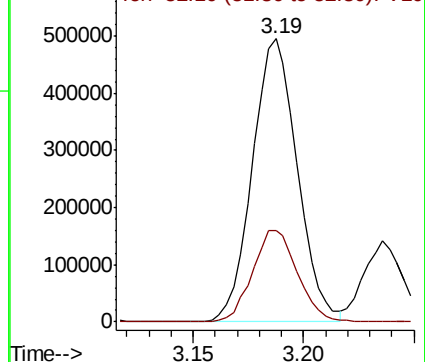
50 100

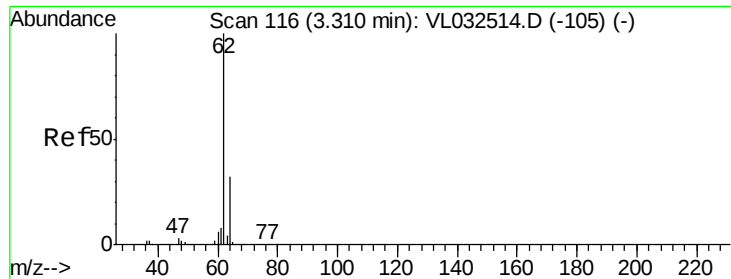
52 32.5 25.6 38.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.636 ppbv

RT: 3.31 min Scan# 115

Delta R.T. -0.02 min

Lab File: VL032523.D

Acq: 25 Sep 2018 00:17

Instrument :

MSVOA_L

ClientSampleId :

VL0924ABS01

Tot Ion: 62 Resp: 680738

Ion Ratio Lower Upper

62 100

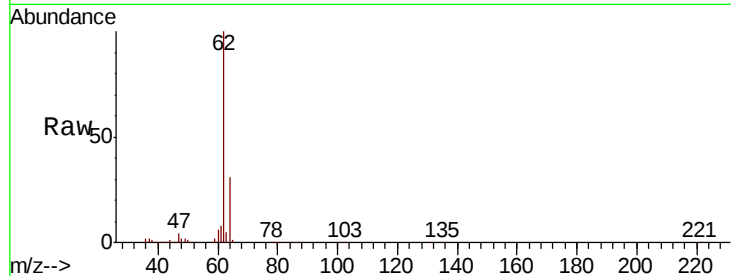
64 30.7 25.0 37.6

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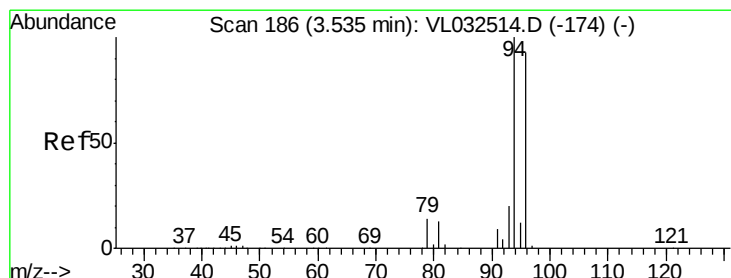
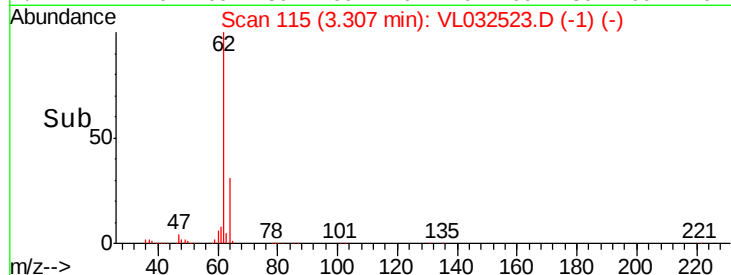
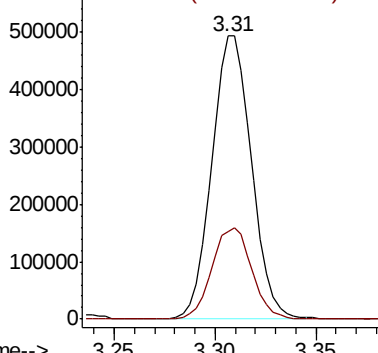
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 10.447 ppbv

RT: 3.53 min Scan# 185

Delta R.T. -0.02 min

Lab File: VL032523.D

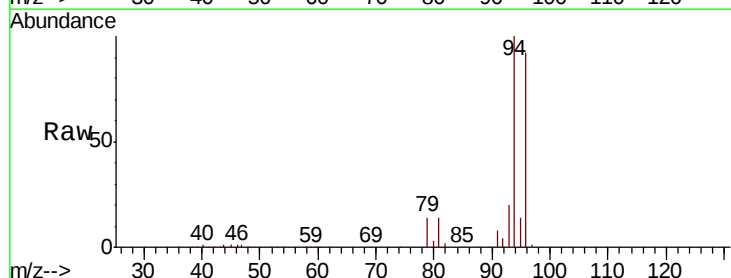
Acq: 25 Sep 2018 00:17

Tgt Ion: 94 Resp: 403610

Ion Ratio Lower Upper

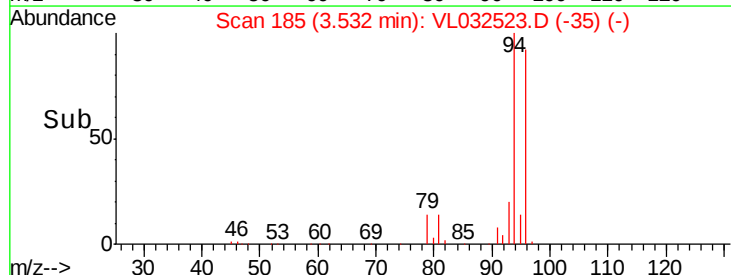
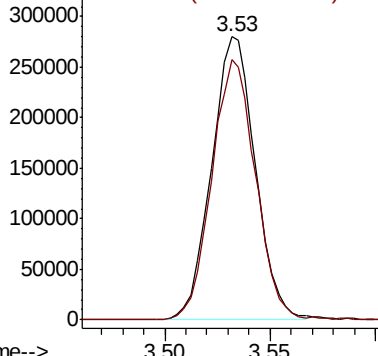
94 100

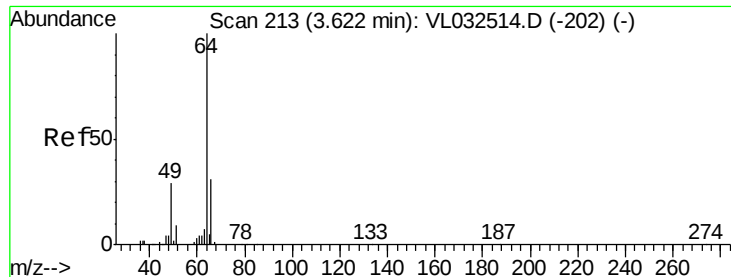
96 91.8 72.8 109.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.810 ppbv

RT: 3.62 min Scan# 212

Delta R.T. -0.02 min

Lab File: VL032523.D

Acq: 25 Sep 2018 00:17

Instrument :

MSVOA_L

ClientSampleId :

VL0924ABS01

Tot Ion: 64 Resp: 272099

Ion Ratio Lower Upper

64 100

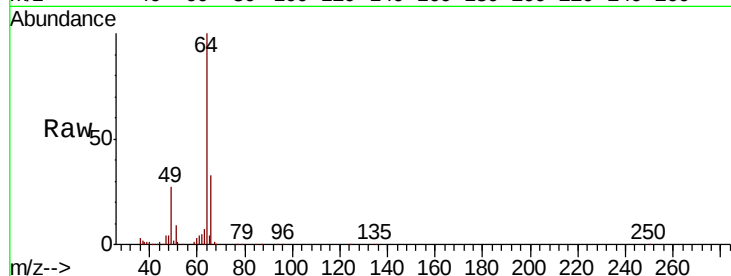
66 32.8 25.8 38.6

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.62

200000

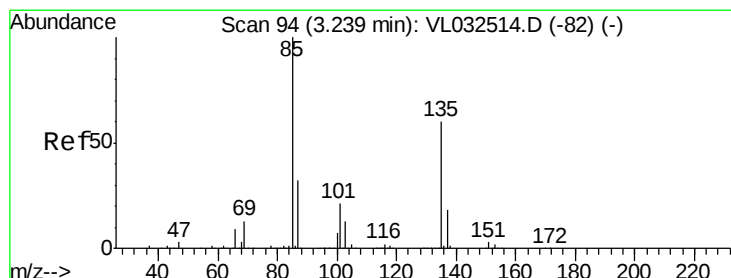
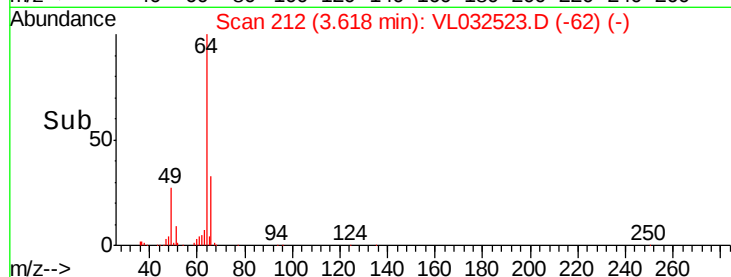
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 10.404 ppbv

RT: 3.24 min Scan# 93

Delta R.T. -0.02 min

Lab File: VL032523.D

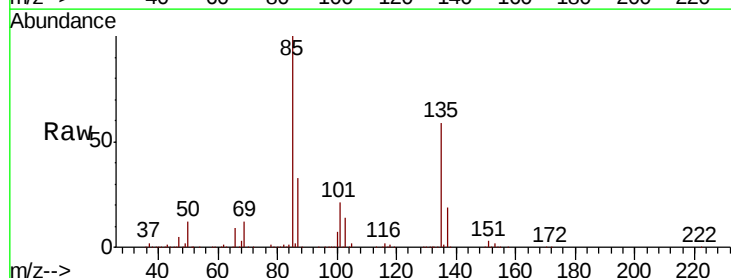
Acq: 25 Sep 2018 00:17

Tgt Ion: 85 Resp: 1515977

Ion Ratio Lower Upper

85 100

135 60.3 48.6 72.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

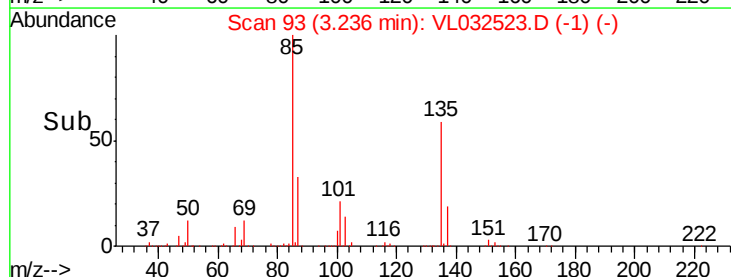
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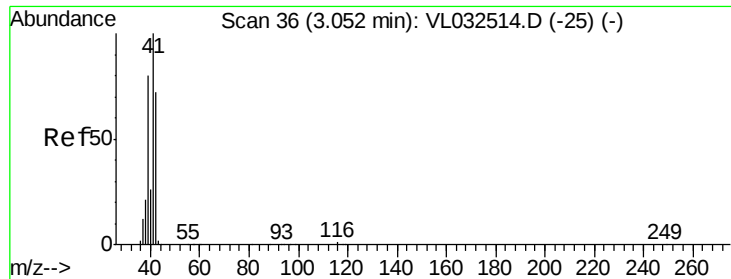
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500000

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Time-->





#9

Propene

Concen: 10.596 ppbv

RT: 3.05 min Scan# 36

Delta R.T. -0.01 min

Lab File: VL032523.D

Acq: 25 Sep 2018 00:17

Instrument :

MSVOA_L

ClientSampleId :

VL0924ABS01

Tot Ion: 41 Resp: 551217

Ion Ratio Lower Upper

41 100

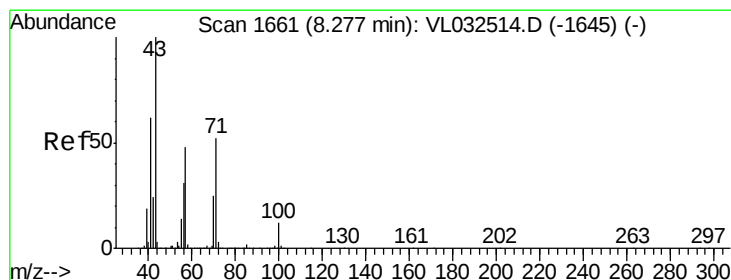
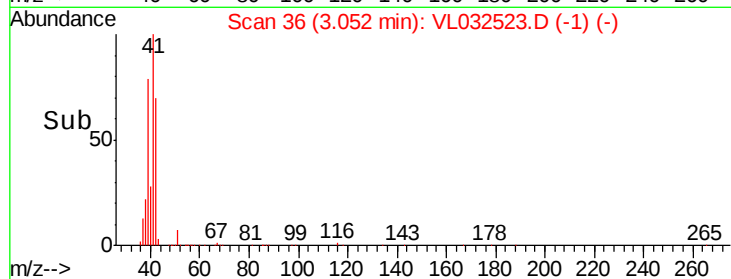
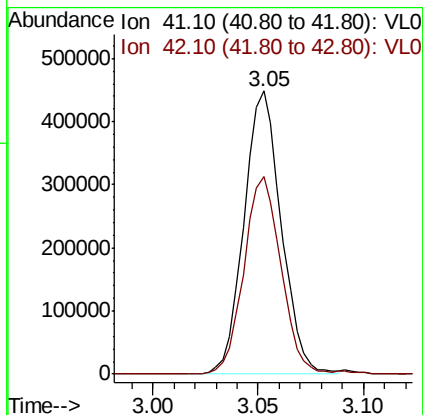
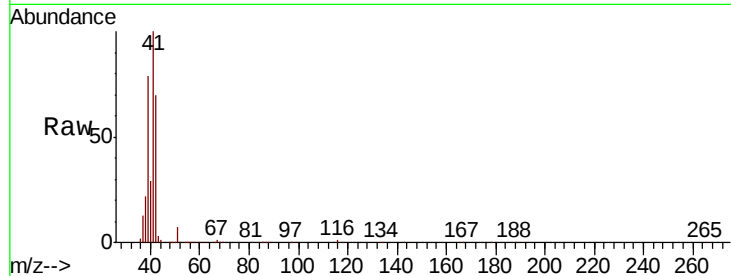
42 70.0 56.6 84.8

Manual Integrations

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#10

Heptane

Concen: 10.911 ppbv

RT: 8.28 min Scan# 1661

Delta R.T. -0.02 min

Lab File: VL032523.D

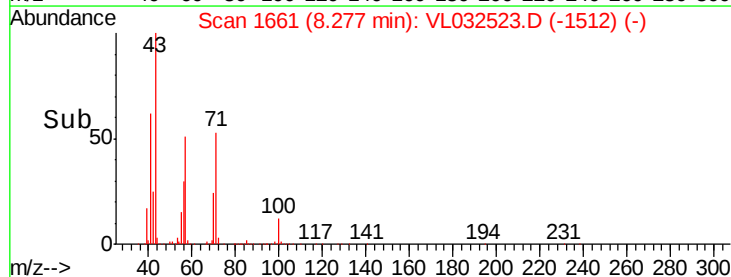
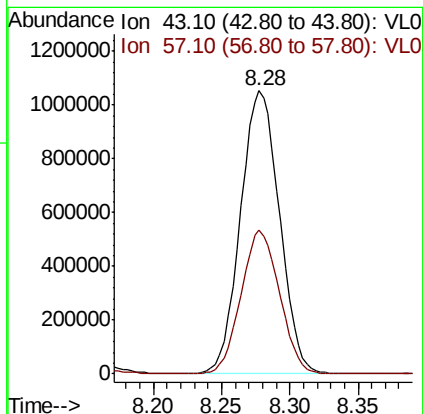
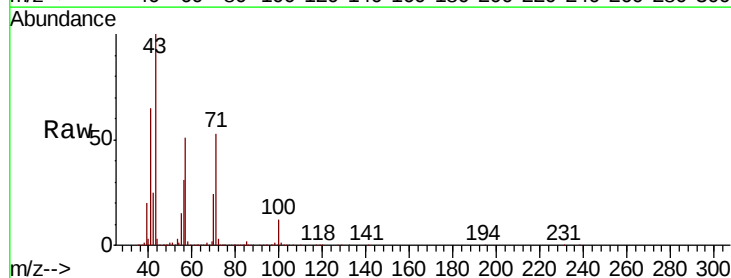
Acq: 25 Sep 2018 00:17

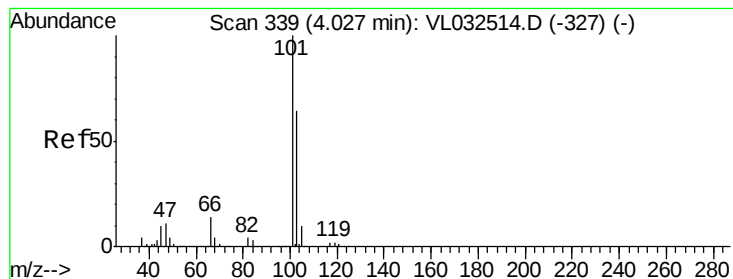
Tgt Ion: 43 Resp: 2082068

Ion Ratio Lower Upper

43 100

57 50.5 39.6 59.4





#11

Trichlorofluoromethane

Concen: 10.406 ppbv

RT: 4.02 min Scan# 338

Delta R.T. -0.02 min

Lab File: VL032523.D

Acq: 25 Sep 2018 00:17

Instrument :

MSVOA_L

ClientSampleId :

VL0924ABS01

Tot Ion:101 Resp: 1649672

Ion Ratio Lower Upper

101 100

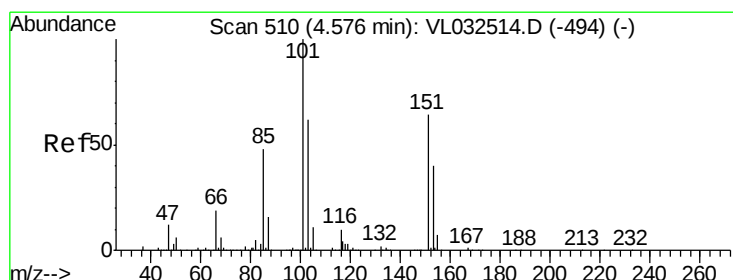
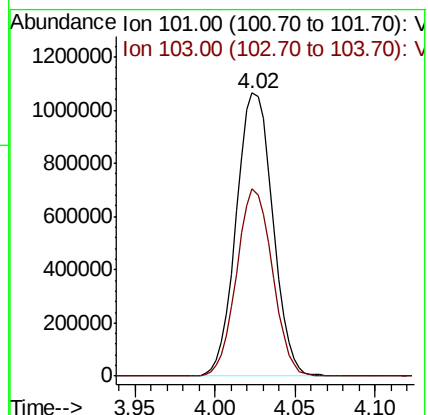
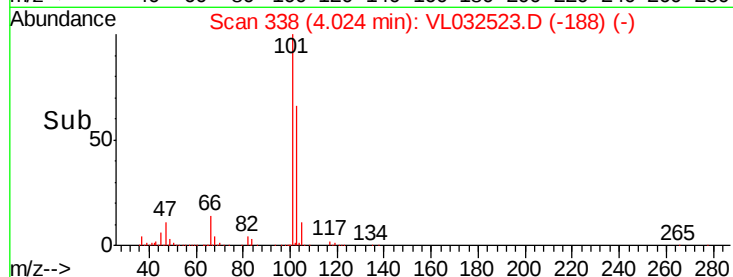
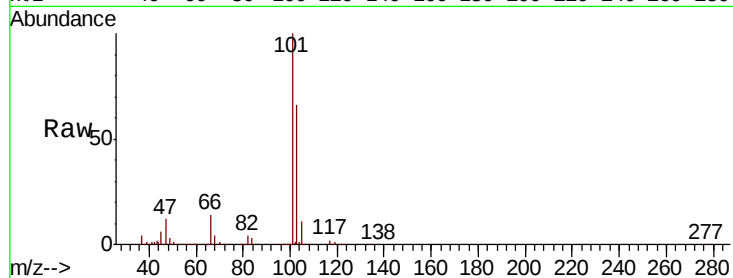
103 66.0 52.8 79.2

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#12

1,1,2-Trichlorotrifluoroethane

Concen: 10.177 ppbv

RT: 4.58 min Scan# 510

Delta R.T. -0.02 min

Lab File: VL032523.D

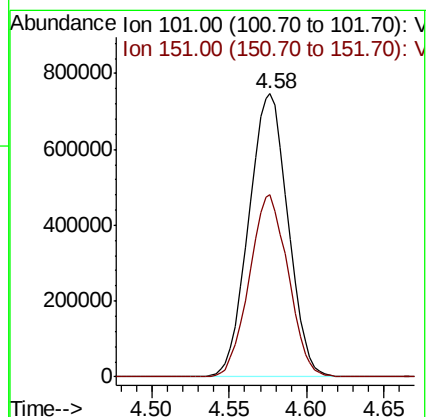
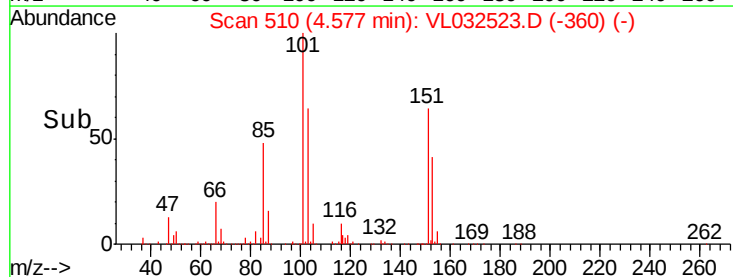
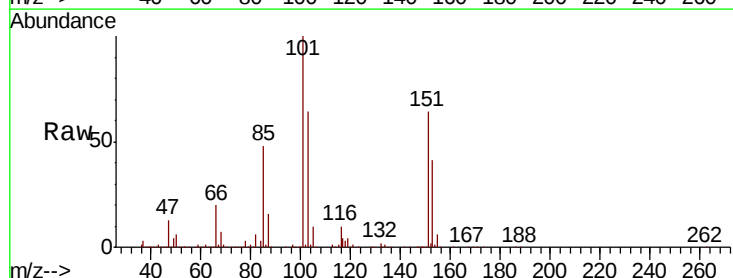
Acq: 25 Sep 2018 00:17

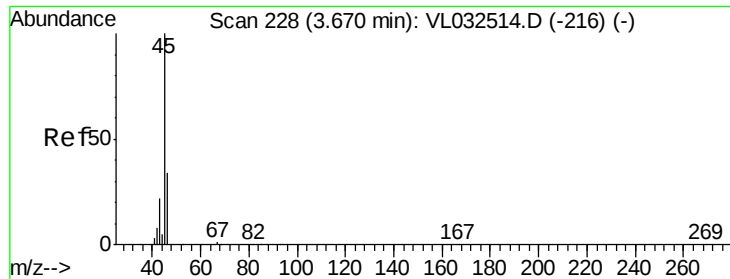
Tgt Ion:101 Resp: 1318854

Ion Ratio Lower Upper

101 100

151 63.8 52.6 78.8





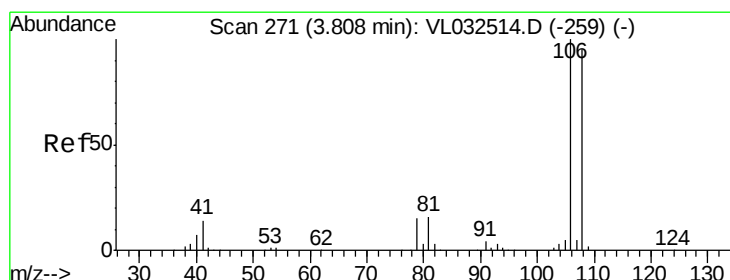
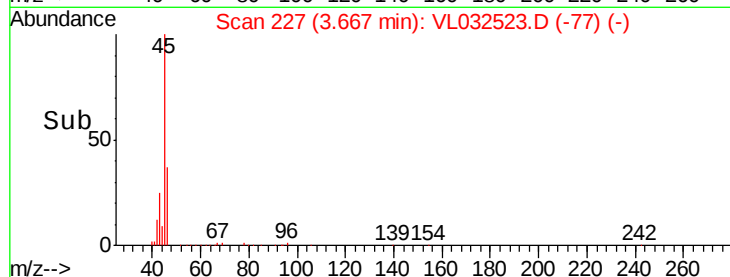
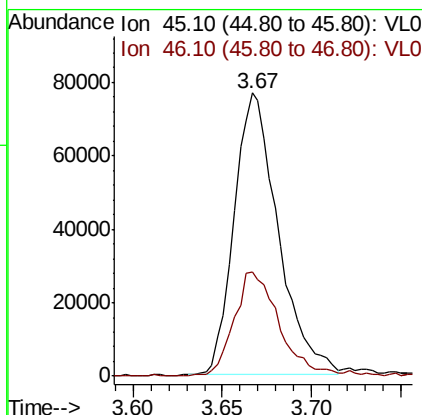
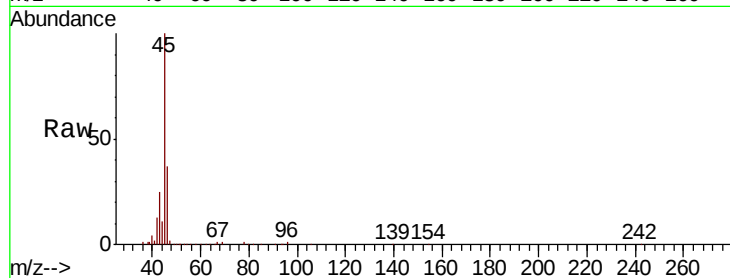
#13
Ethanol
Concen: 8.444 ppbv
RT: 3.67 min Scan# 227
Delta R.T. -0.02 min
Lab File: VL032523.D
Acq: 25 Sep 2018 00:17

Instrument :
MSVOA_L
ClientSampleId :
VL0924ABS01

Tot Ion	45	Resp	132040
Ion Ratio	100	Lower	Upper
46	38.8	14.2	56.8

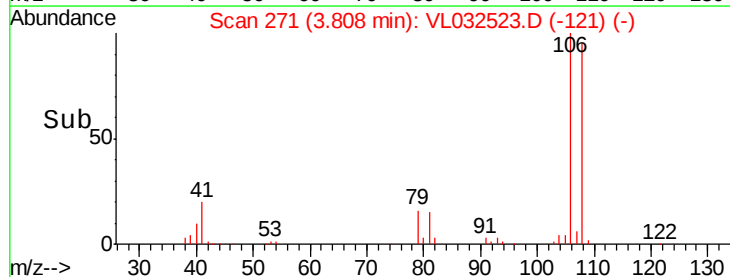
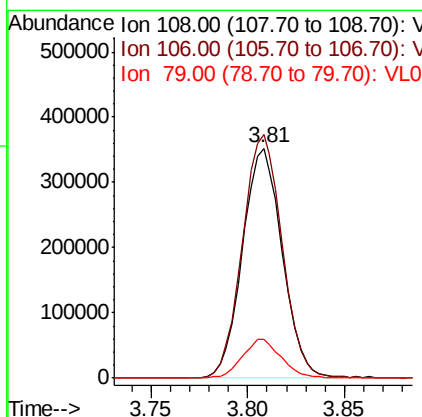
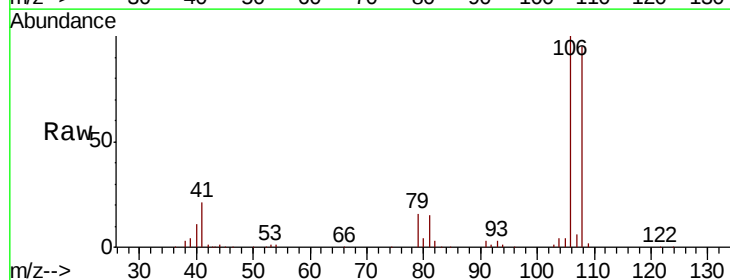
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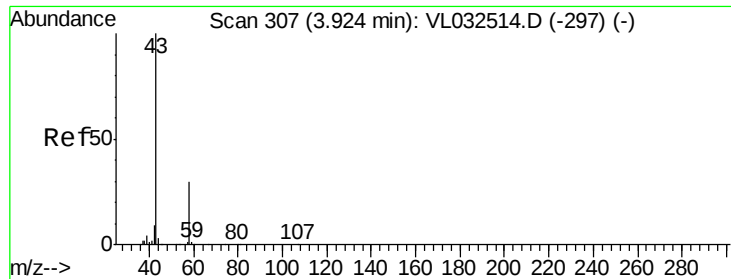
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#14
Bromoethene
Concen: 10.966 ppbv
RT: 3.81 min Scan# 271
Delta R.T. -0.02 min
Lab File: VL032523.D
Acq: 25 Sep 2018 00:17

Tgt Ion	108	Resp	504247
Ion Ratio	100	Lower	Upper
106	106.4	85.5	128.3
79	16.9	13.0	19.6





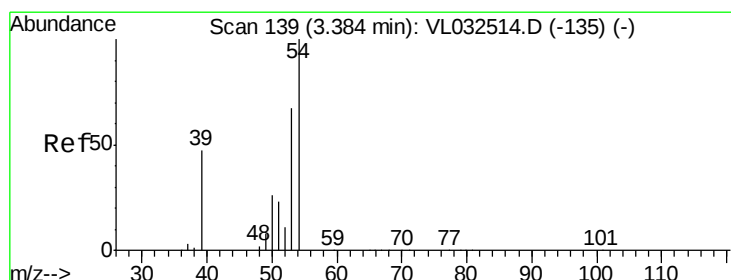
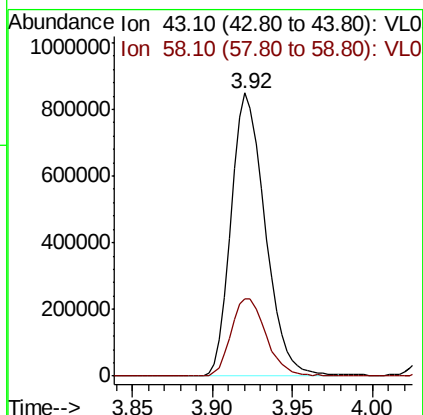
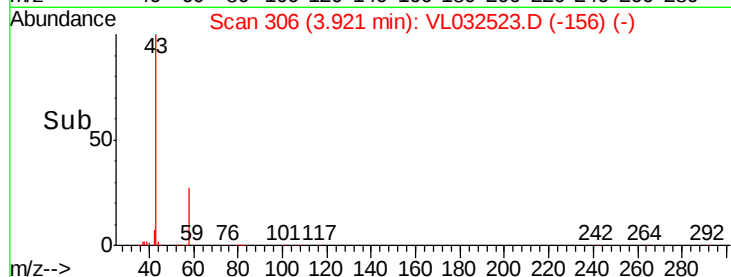
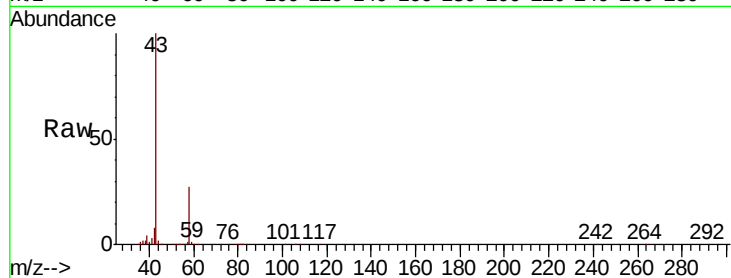
#15
Acetone
Concen: 9.690 ppbv
RT: 3.92 min Scan# 306
Delta R.T. -0.02 min
Lab File: VL032523.D
Acq: 25 Sep 2018 00:17

Instrument :
MSVOA_L
ClientSampleId :
VL0924ABS01

Tot Ion: 43 Resp: 1226308
Ion Ratio Lower Upper
43 100
58 28.3 22.6 33.8

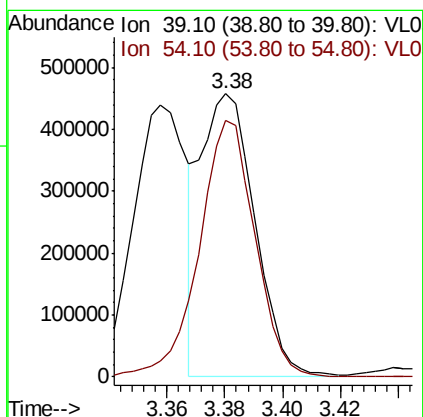
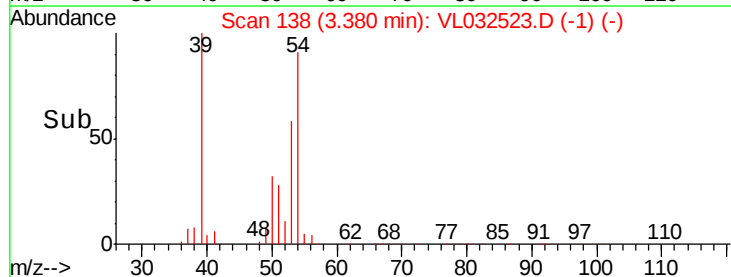
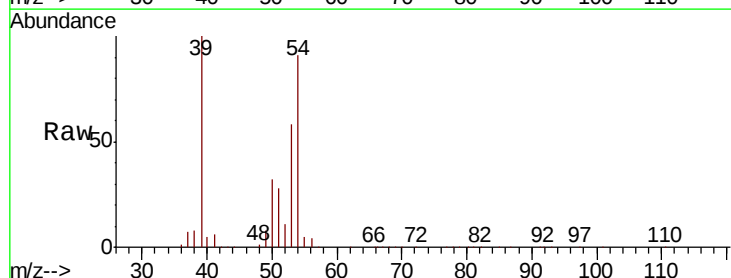
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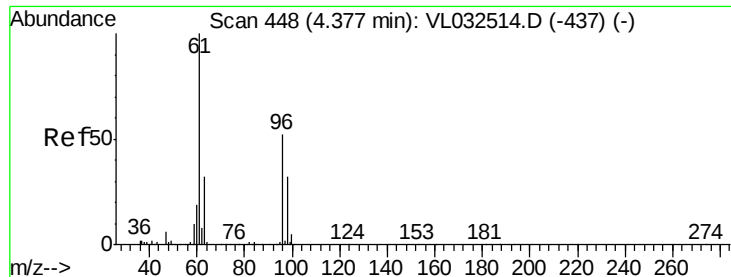
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#16
1,3-Butadiene
Concen: 11.477 ppbv
RT: 3.38 min Scan# 138
Delta R.T. -0.02 min
Lab File: VL032523.D
Acq: 25 Sep 2018 00:17

Tgt Ion: 39 Resp: 589069
Ion Ratio Lower Upper
39 100
54 94.9 80.8 121.2





#17

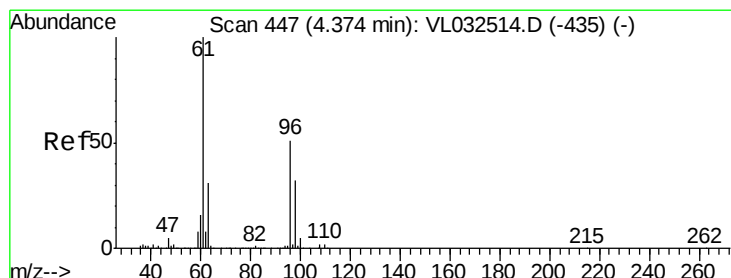
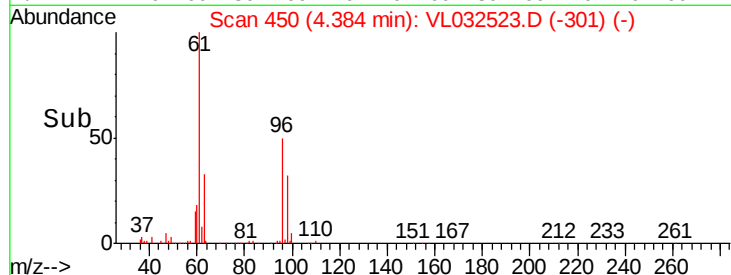
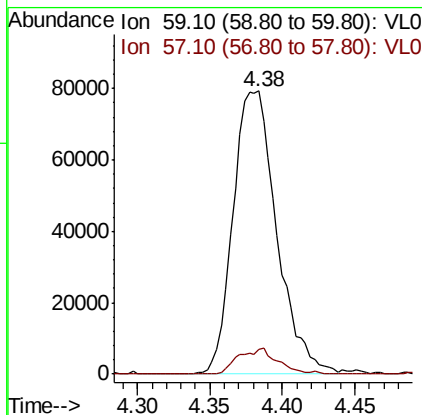
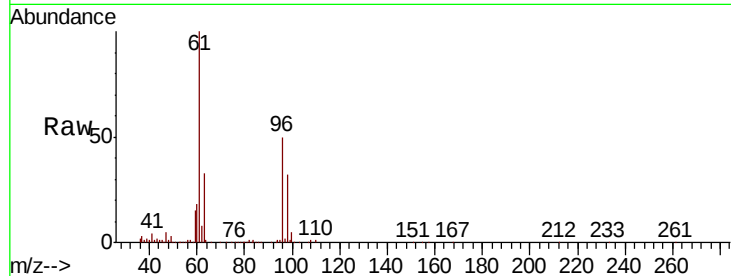
tert-Butyl alcohol
Concen: 10.437 ppbv
RT: 4.38 min Scan# 450
Delta R.T. -0.02 min
Lab File: VL032523.D
Acq: 25 Sep 2018 00:17

Instrument :
MSVOA_L
ClientSampleId :
VL0924ABS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.3	0.0	0.0#

Manual Integrations
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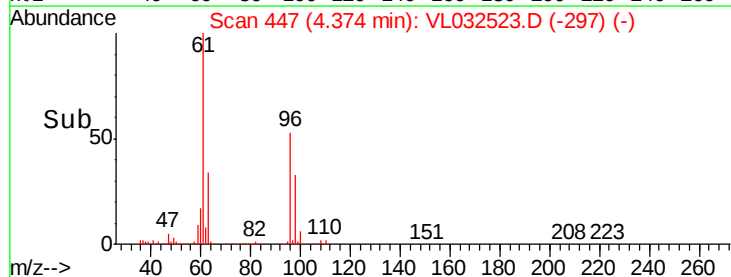
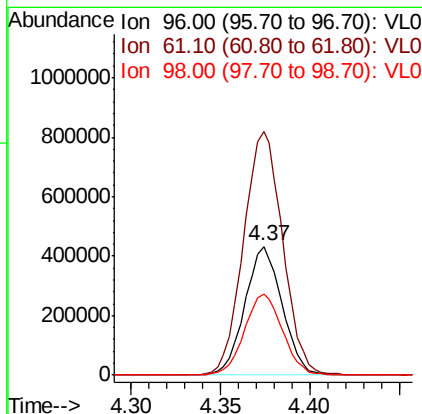
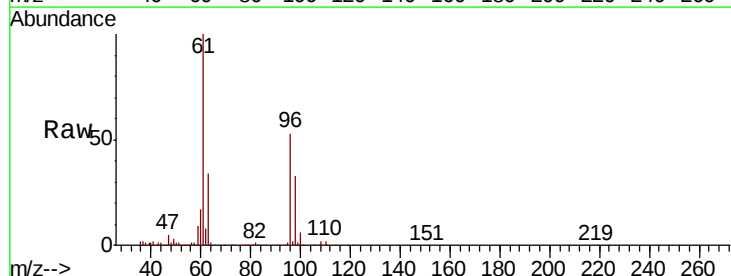
apatel
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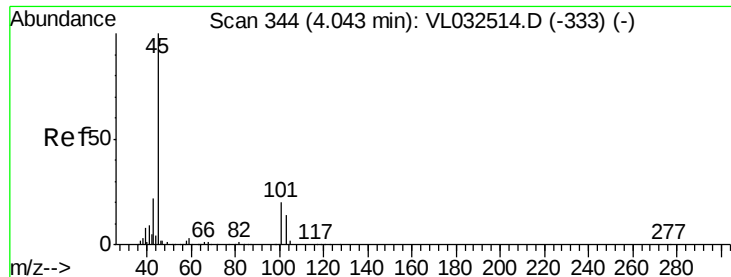


#18

1,1-Dichloroethene
Concen: 10.421 ppbv
RT: 4.37 min Scan# 447
Delta R.T. -0.02 min
Lab File: VL032523.D
Acq: 25 Sep 2018 00:17

Tgt Ion	Ratio	Lower	Upper
96	100		
61	189.0	159.2	238.8
98	63.1	51.0	76.4





#19

Isopropyl Alcohol

Concen: 10.005 ppbv

RT: 4.04 min Scan# 344

Delta R.T. -0.02 min

Lab File: VL032523.D

Acq: 25 Sep 2018 00:17

Instrument :

MSVOA_L

ClientSampleId :

VL0924ABS01

Tot Ion: 45 Resp: 881941

Ion Ratio Lower Upper

45 100

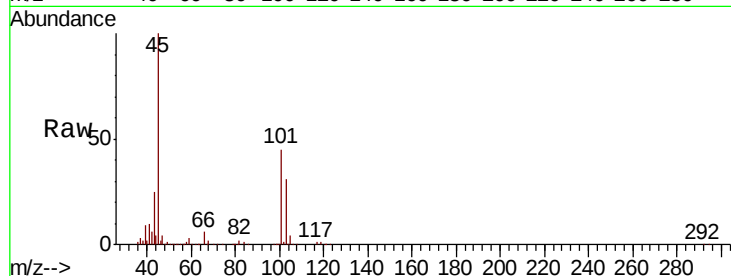
58 2.2 2.0 3.0

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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

4.04

500000

400000

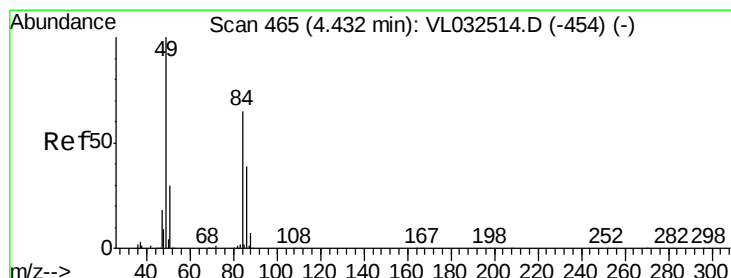
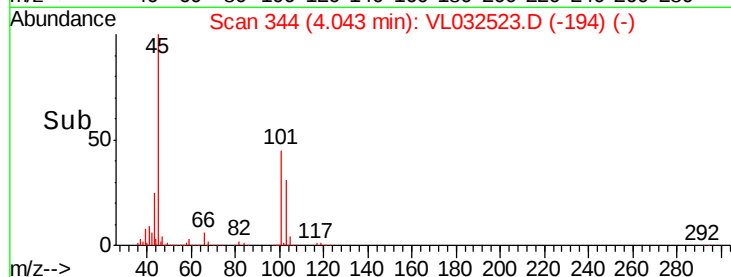
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 9.243 ppbv

RT: 4.43 min Scan# 465

Delta R.T. -0.02 min

Lab File: VL032523.D

Acq: 25 Sep 2018 00:17

Tgt Ion: 84 Resp: 566498

Ion Ratio Lower Upper

84 100

49 144.0 119.1 178.7

51 44.7 35.2 52.8

86 60.1 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

800000

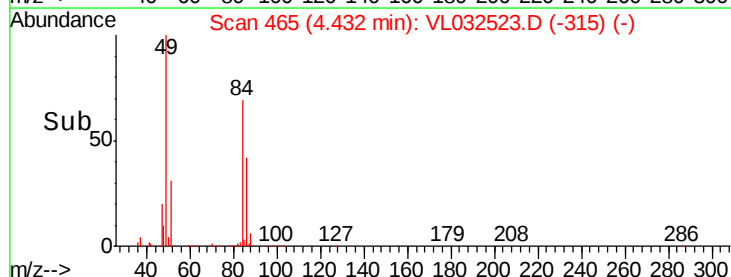
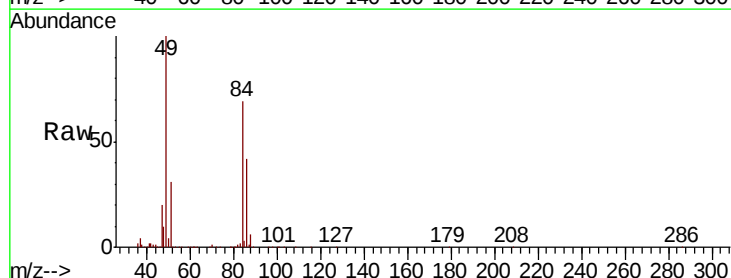
600000

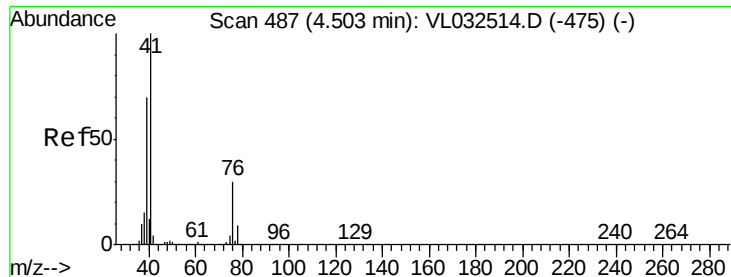
400000

200000

0

Time-->





#21

Allvl Chloride

Concen: 10.478 ppbv

RT: 4.50 min Scan# 486

Delta R.T. -0.02 min

Lab File: VL032523.D

Acq: 25 Sep 2018 00:17

Instrument :

MSVOA_L

ClientSampleId :

VL0924ABS01

Tot Ion: 41 Resp: 1083767

Ion Ratio Lower Upper

41 100

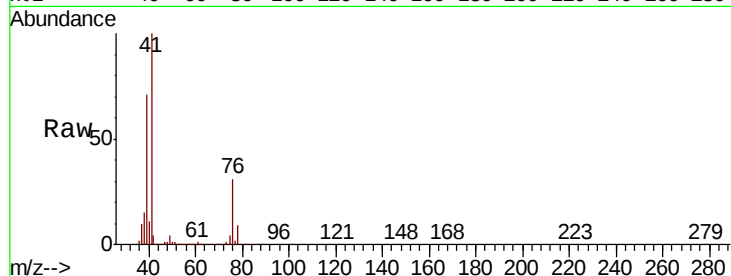
76 30.0 23.6 35.4

39 72.0 57.7 86.5

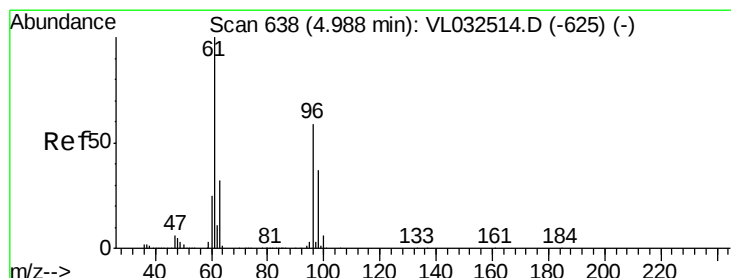
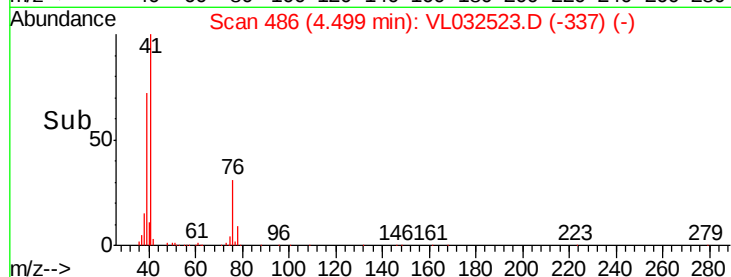
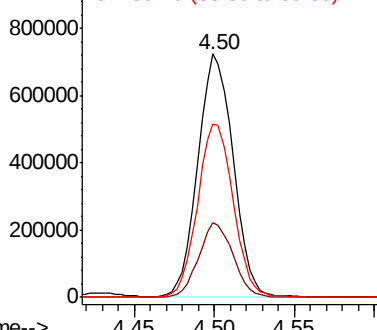
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Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 10.574 ppbv

RT: 4.99 min Scan# 638

Delta R.T. -0.02 min

Lab File: VL032523.D

Acq: 25 Sep 2018 00:17

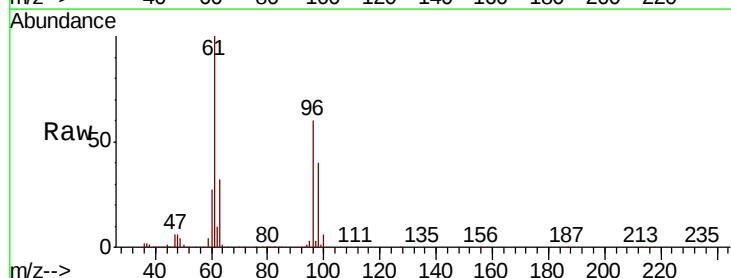
Tgt Ion: 96 Resp: 604783

Ion Ratio Lower Upper

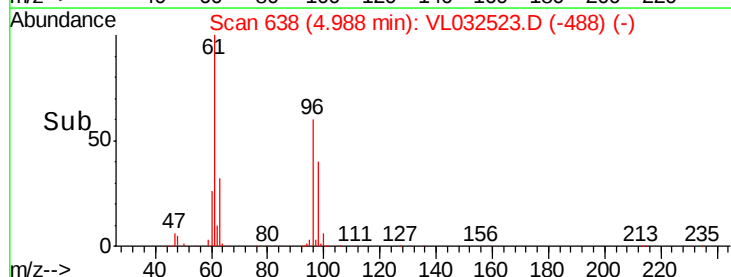
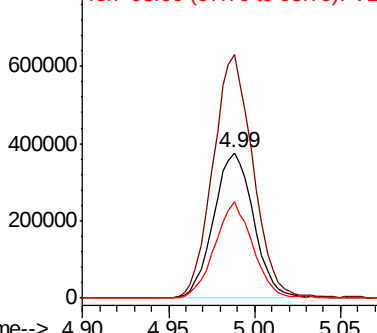
96 100

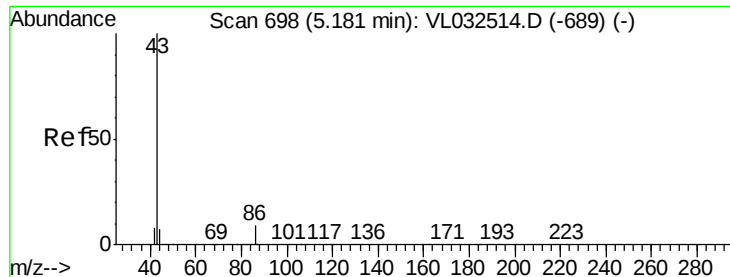
61 167.6 136.2 204.4

98 66.7 50.4 75.6



Abundance Ion 96.00 (95.70 to 96.70): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 98.00 (97.70 to 98.70): VL0





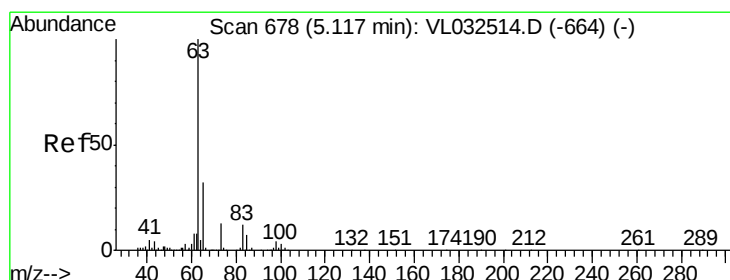
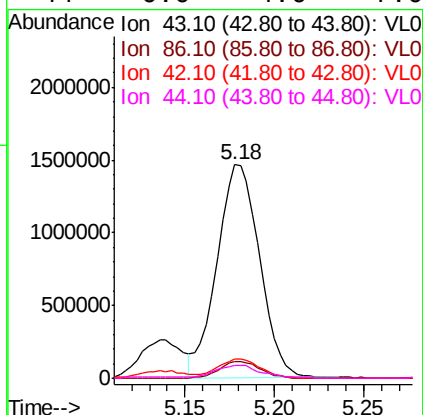
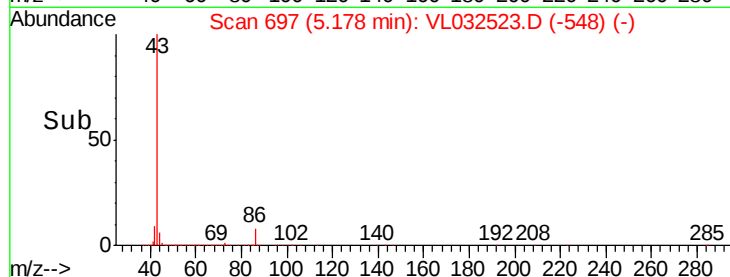
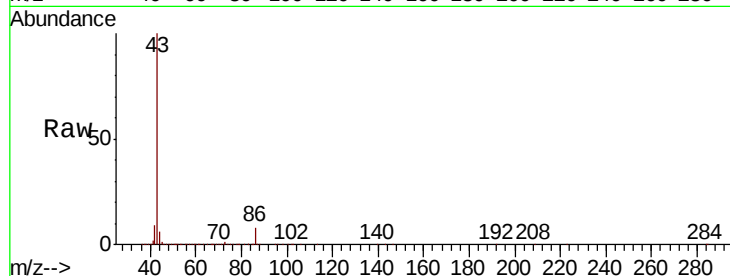
#23
 Vinyl Acetate
 Concen: 10.872 ppbv
 RT: 5.18 min Scan# 697
 Delta R.T. -0.02 min
 Lab File: VL032523.D
 Acq: 25 Sep 2018 00:17

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0924ABS01

Tot Ion:	43	Resp:	2431301
Ion	Ratio	Lower	Upper
43	100		
86	7.6	5.9	8.9
42	8.8	6.9	10.3
44	6.0	4.6	7.0

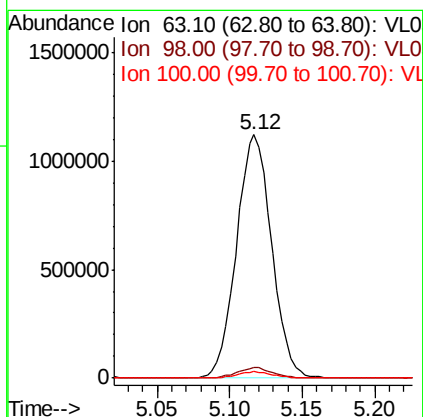
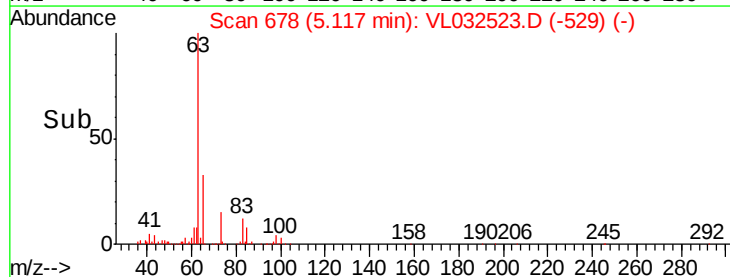
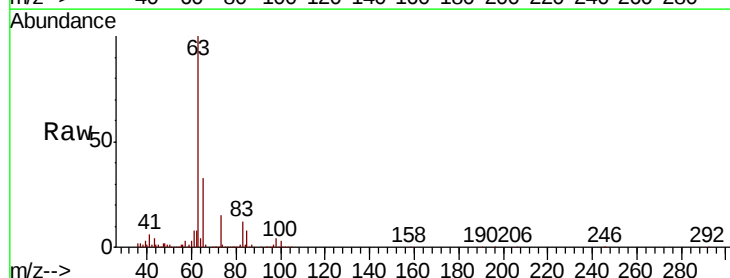
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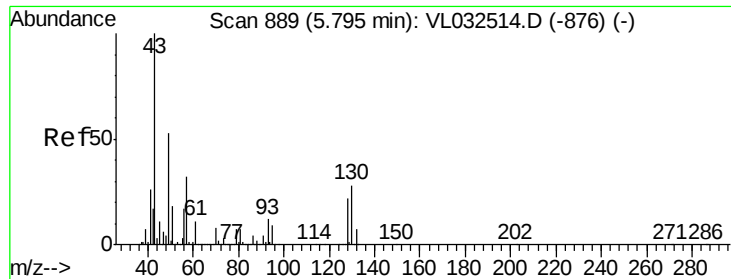
apatel
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#24
 1,1-Dichloroethane
 Concen: 10.112 ppbv
 RT: 5.12 min Scan# 678
 Delta R.T. -0.02 min
 Lab File: VL032523.D
 Acq: 25 Sep 2018 00:17

Tgt Ion:	63	Resp:	1883117
Ion	Ratio	Lower	Upper
63	100		
98	4.3	2.1	6.5
100	2.5	1.5	4.4





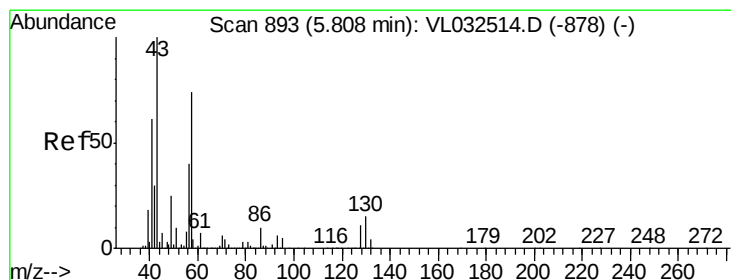
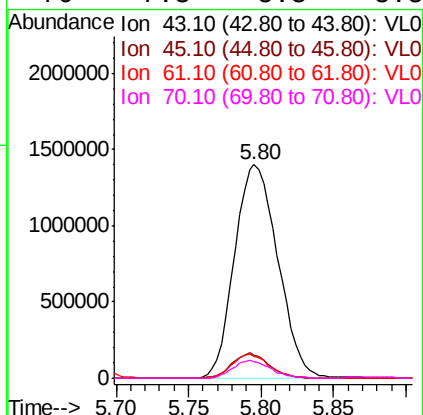
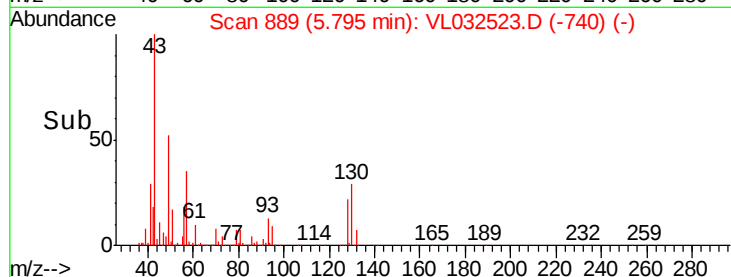
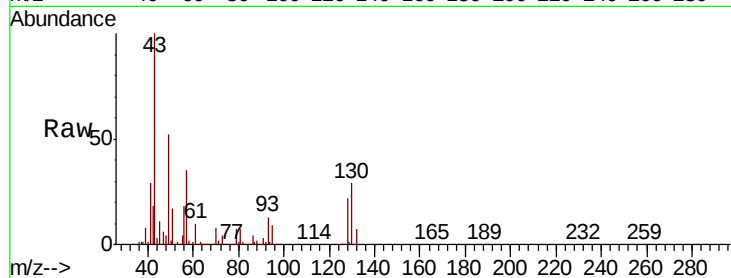
#25
Ethyl Acetate
Concen: 9.433 ppbv
RT: 5.80 min Scan# 889
Delta R.T. -0.02 min
Lab File: VL032523.D
Acq: 25 Sep 2018 00:17

Instrument :
MSVOA_L
ClientSampleId :
VL0924ABS01

Tot Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.0	12.0
61	9.6	7.6	11.4
70	7.3	5.8	8.8

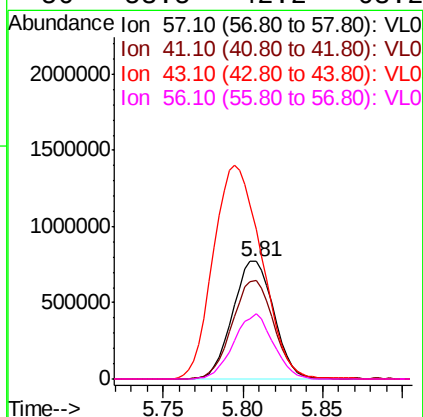
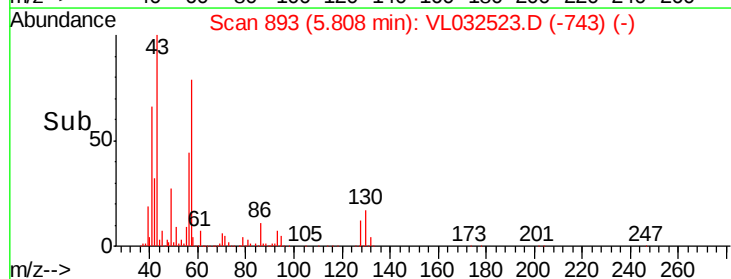
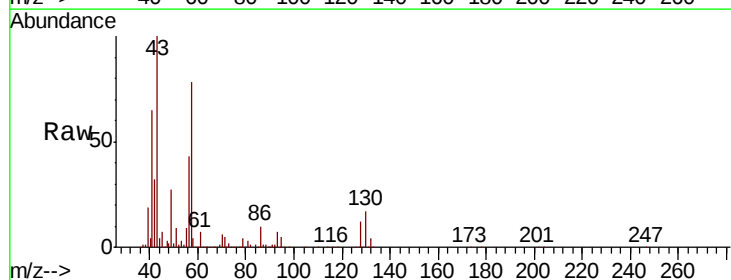
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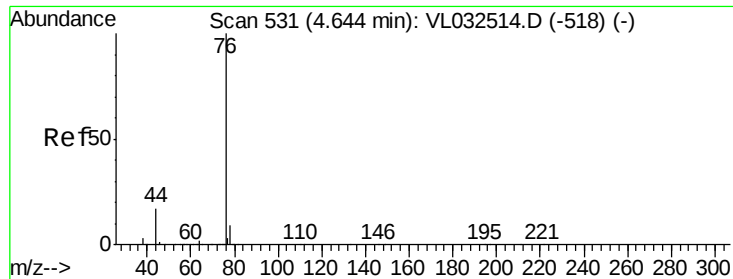
apatel
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#26
Hexane
Concen: 9.704 ppbv
RT: 5.81 min Scan# 893
Delta R.T. -0.02 min
Lab File: VL032523.D
Acq: 25 Sep 2018 00:17

Tgt Ion	Ratio	Lower	Upper
57	100		
41	85.4	69.0	103.4
43	216.0	172.1	258.1
56	53.5	42.2	63.2





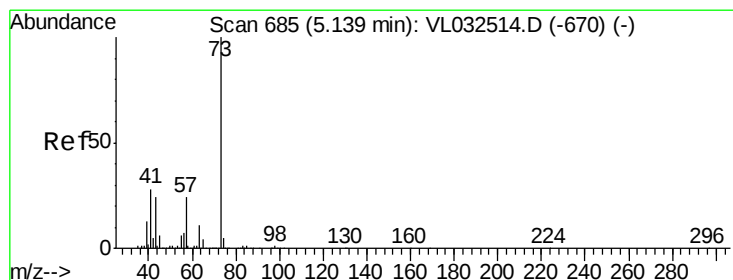
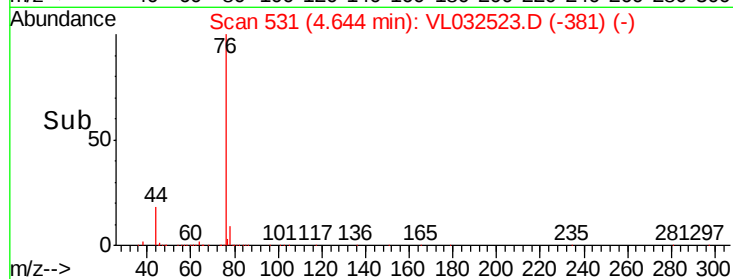
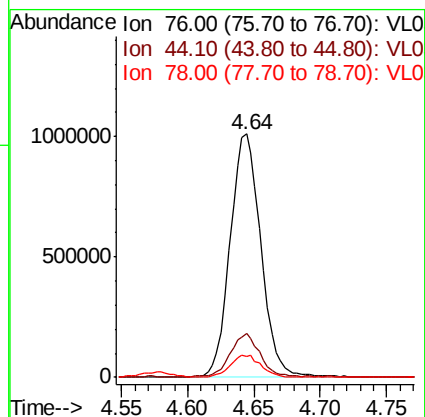
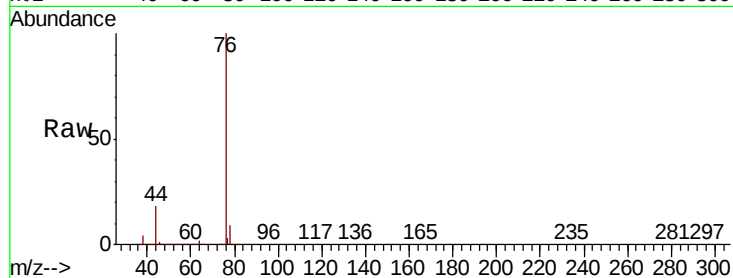
#27
Carbon Disulfide
Concen: 10.925 ppbv
RT: 4.64 min Scan# 531
Delta R.T. -0.02 min
Lab File: VL032523.D
Acq: 25 Sep 2018 00:17

Instrument :
MSVOA_L
ClientSampleId :
VL0924ABS01

Tot Ion	Ratio	Lower	Upper
76	100		
44	16.5	14.0	21.0
78	9.1	7.5	11.3

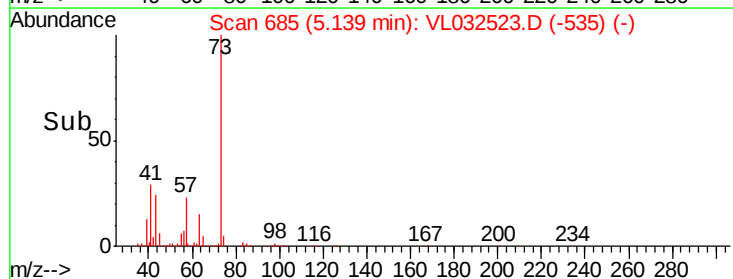
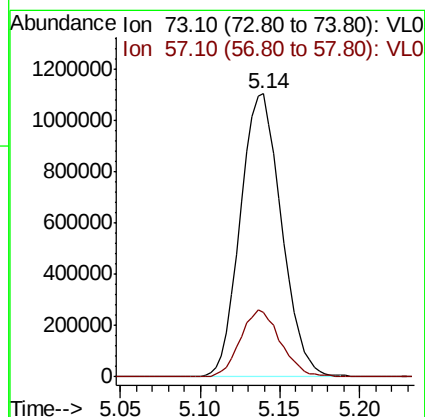
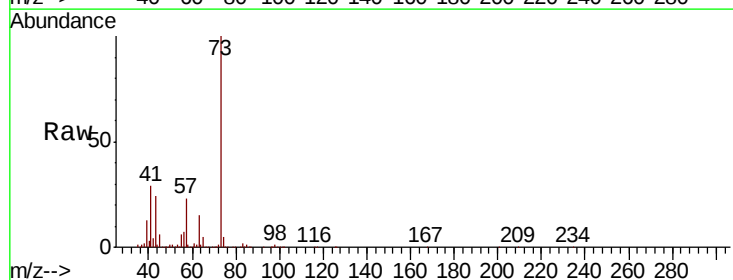
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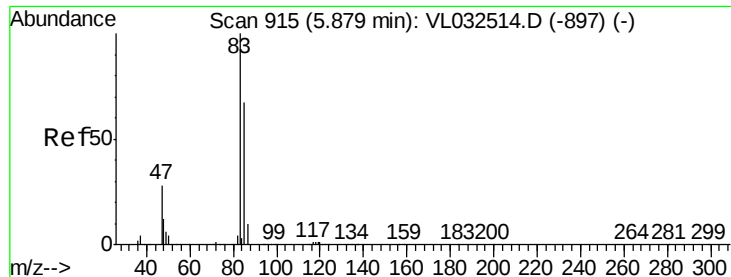
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#28
Methyl tert-Butyl Ether
Concen: 11.193 ppbv
RT: 5.14 min Scan# 685
Delta R.T. -0.02 min
Lab File: VL032523.D
Acq: 25 Sep 2018 00:17

Tgt Ion	Ratio	Lower	Upper
73	100		
57	23.3	19.3	28.9





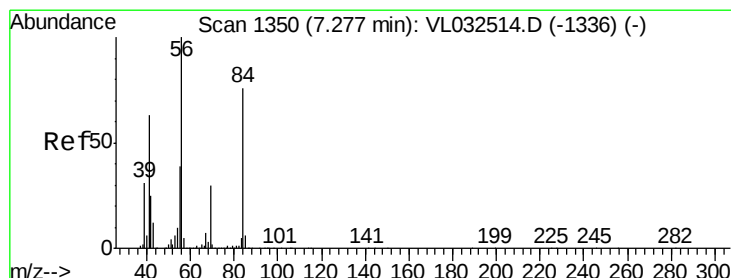
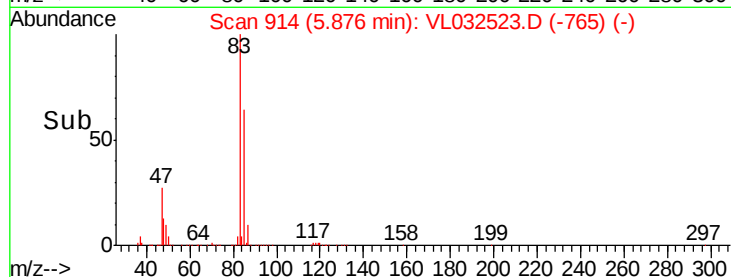
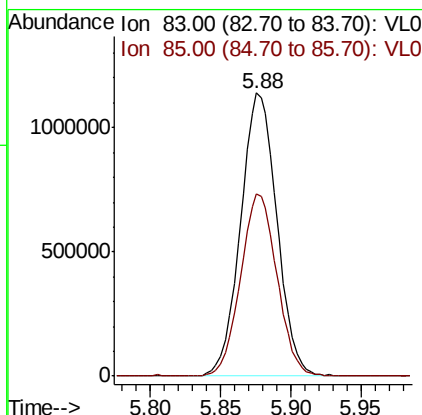
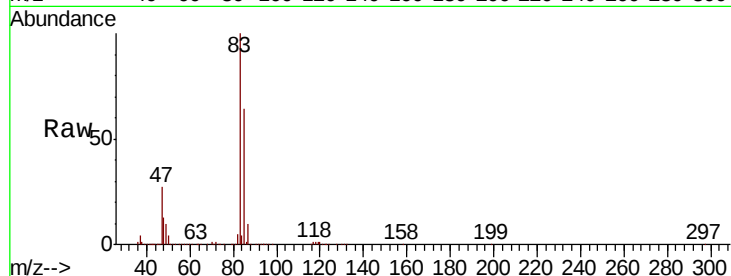
#29
Chloroform
Concen: 9.653 ppbv
RT: 5.88 min Scan# 914
Delta R.T. -0.02 min
Lab File: VL032523.D
Acq: 25 Sep 2018 00:17

Instrument :
MSVOA_L
ClientSampleId :
VL0924ABS01

Tot Ion: 83 Resp: 2054470
Ion Ratio Lower Upper
83 100
85 64.4 52.5 78.7

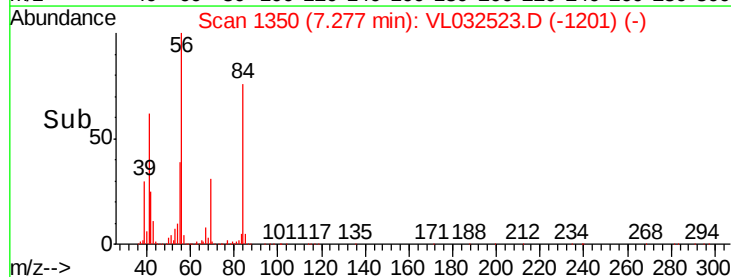
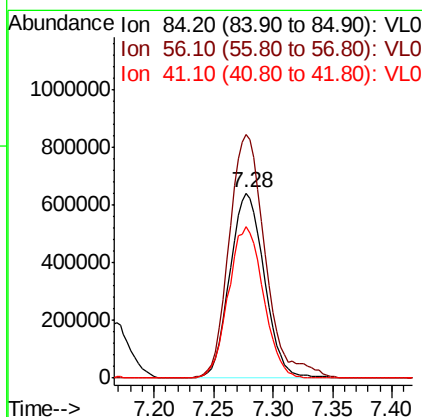
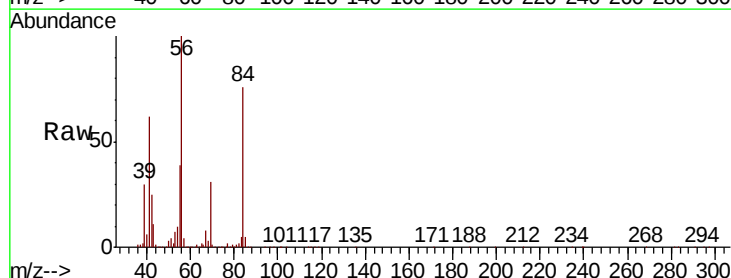
Manual Integrations
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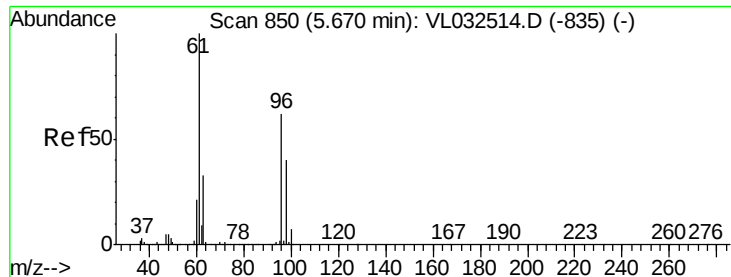
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#30
Cyclohexane
Concen: 11.354 ppbv
RT: 7.28 min Scan# 1350
Delta R.T. -0.02 min
Lab File: VL032523.D
Acq: 25 Sep 2018 00:17

Tgt Ion: 84 Resp: 1282396
Ion Ratio Lower Upper
84 100
56 139.0 113.5 170.3
41 83.1 68.1 102.1





#31

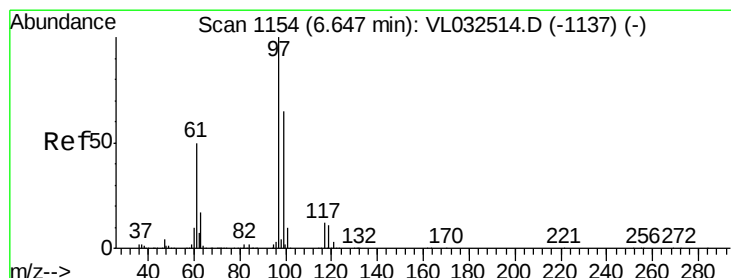
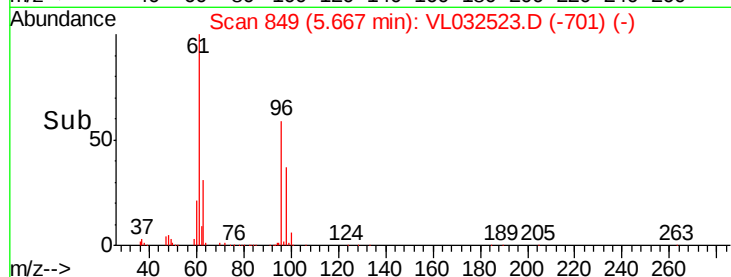
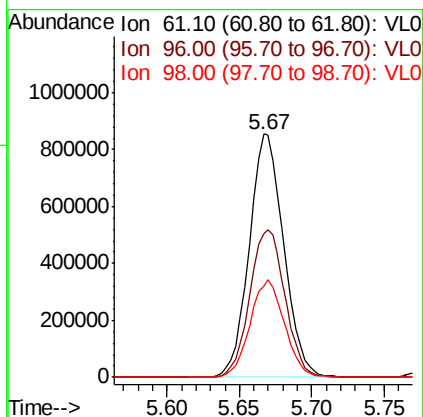
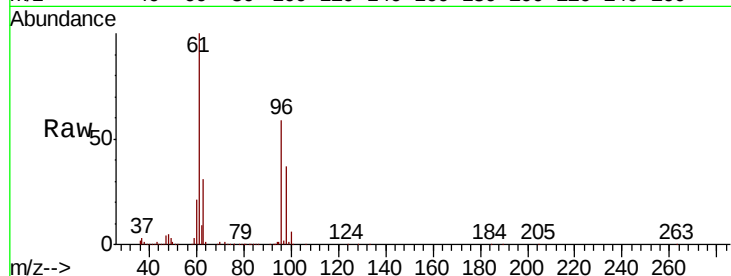
cis-1,2-Dichloroethene
 Concen: 10.720 ppbv
 RT: 5.67 min Scan# 849
 Delta R.T. -0.02 min
 Lab File: VL032523.D
 Acq: 25 Sep 2018 00:17

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0924ABS01

Tot Ion	Ratio	Lower	Upper
61	100		
96	58.9	49.2	73.8
98	37.4	30.7	46.1

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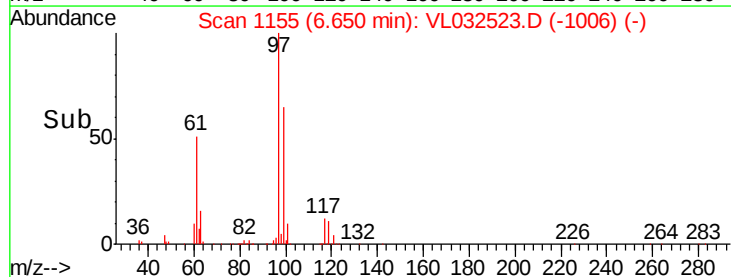
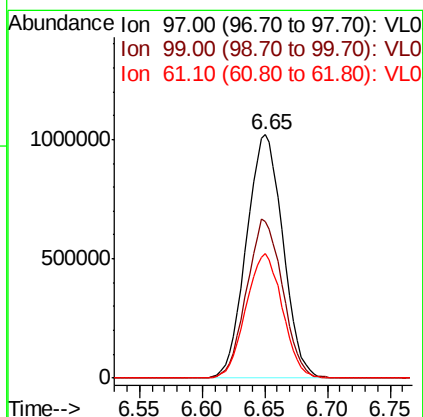
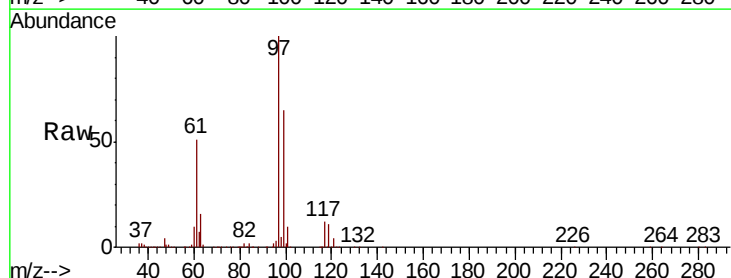
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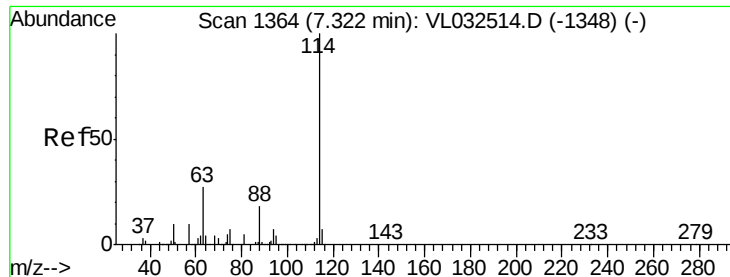


#32

1,1,1-Trichloroethane
 Concen: 9.119 ppbv
 RT: 6.65 min Scan# 1155
 Delta R.T. -0.02 min
 Lab File: VL032523.D
 Acq: 25 Sep 2018 00:17

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	52.1	78.1
61	51.2	42.5	63.7





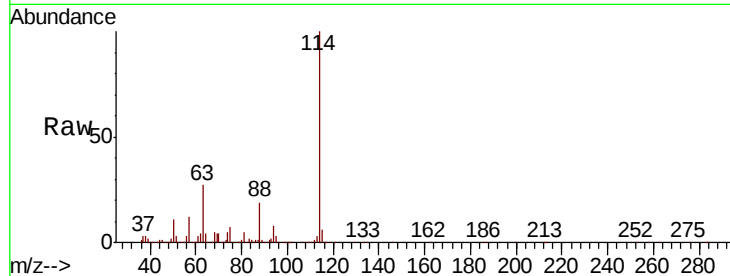
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.32 min Scan# 1364
 Delta R.T. -0.02 min
 Lab File: VL032523.D
 Acq: 25 Sep 2018 00:17

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0924ABS01

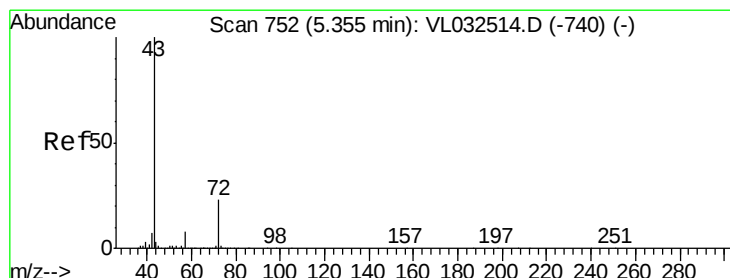
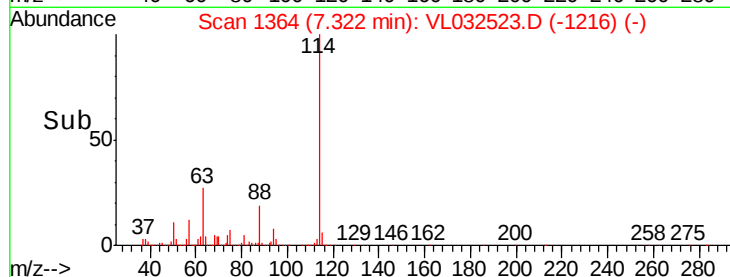
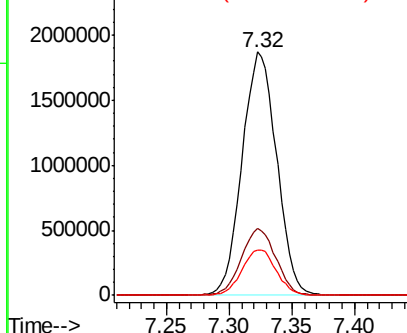
Tot Ion	Ratio	Lower	Upper
114	100		
63	27.7	22.2	33.4
88	18.7	15.0	22.4

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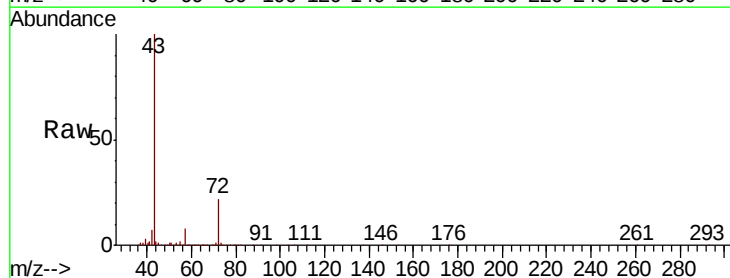


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

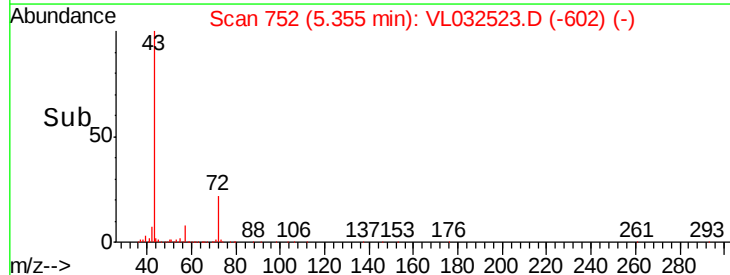
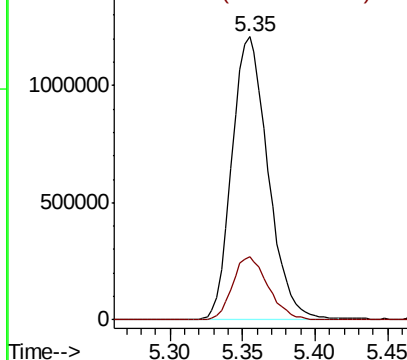


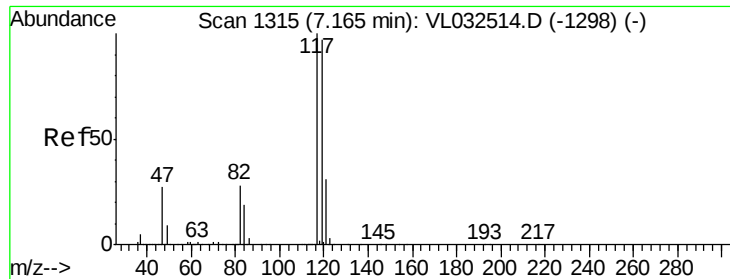
#34
 2-Butanone
 Concen: 9.797 ppbv
 RT: 5.35 min Scan# 752
 Delta R.T. -0.02 min
 Lab File: VL032523.D
 Acq: 25 Sep 2018 00:17

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.2	17.8	26.6



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 9.164 ppbv

RT: 7.16 min Scan# 1315

Delta R.T. -0.02 min

Lab File: VL032523.D

Acq: 25 Sep 2018 00:17

Instrument :

MSVOA_L

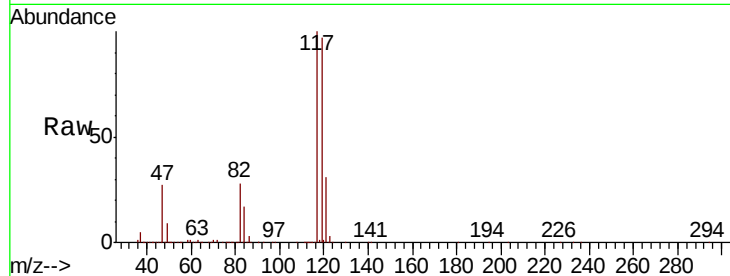
ClientSampleId :

VL0924ABS01

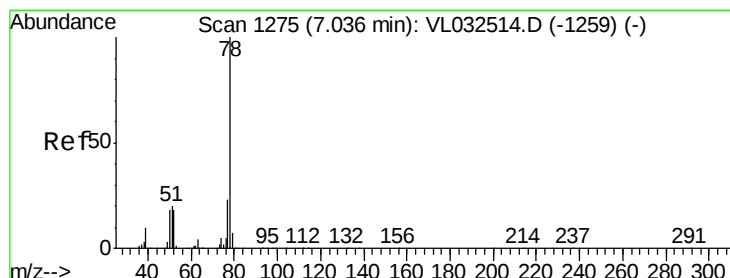
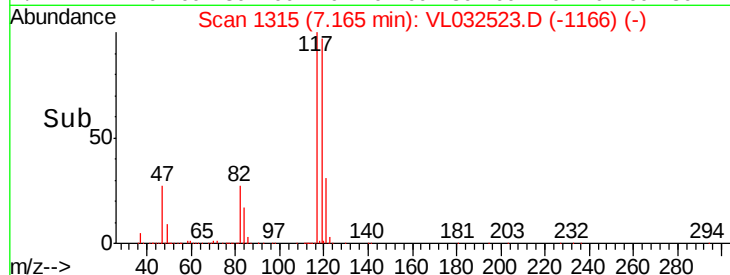
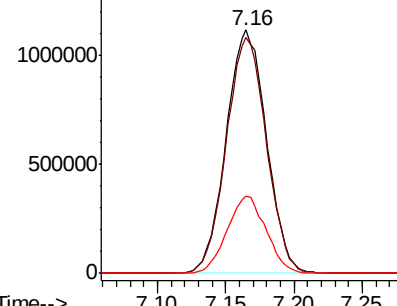
Tot Ion	Ratio	Lower	Upper
117	100		
119	97.0	76.6	115.0
121	31.5	24.6	36.8

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Abundance Ion 117.00 (116.70 to 117.70): V
1500000
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.785 ppbv

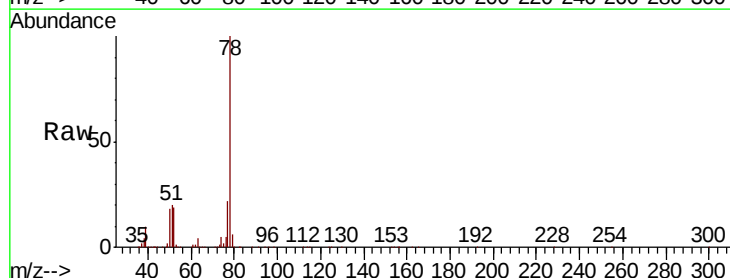
RT: 7.04 min Scan# 1276

Delta R.T. -0.02 min

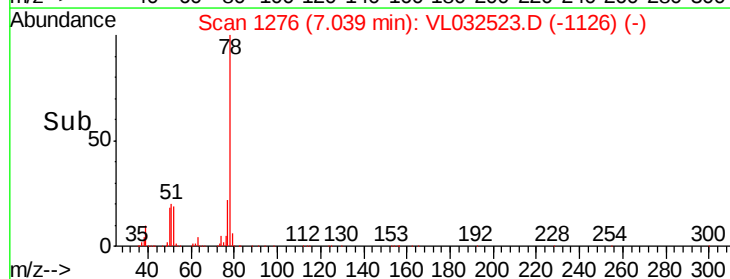
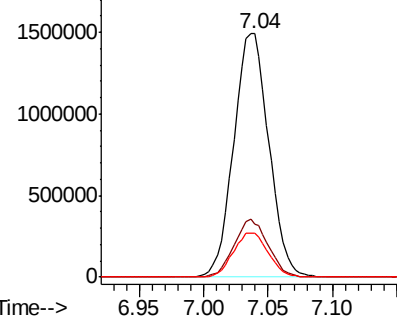
Lab File: VL032523.D

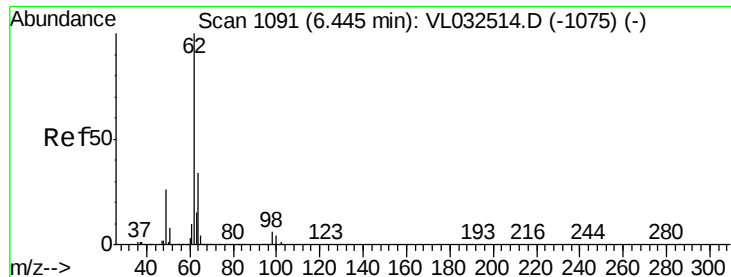
Acq: 25 Sep 2018 00:17

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.0	18.4	27.6
50	18.2	14.4	21.6



Abundance Ion 78.10 (77.80 to 78.80): VL0
2000000
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0





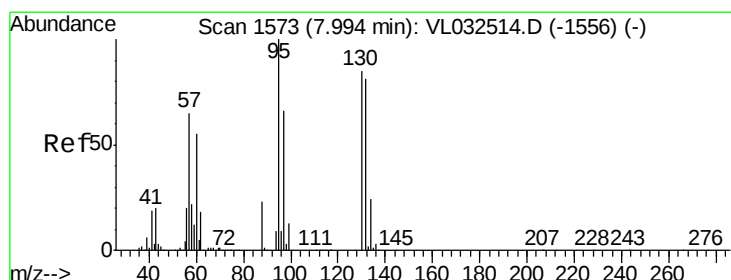
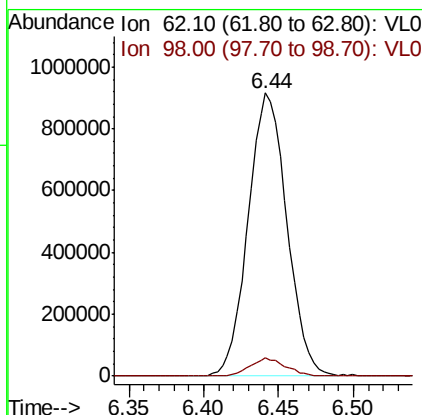
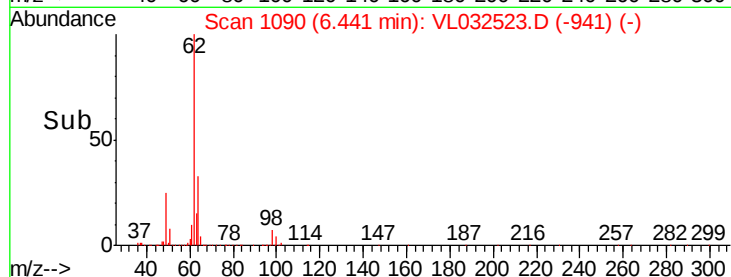
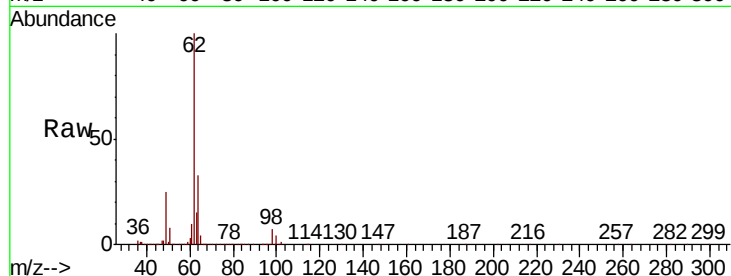
#37
 1,2-Dichloroethane
 Concen: 9.458 ppbv
 RT: 6.44 min Scan# 1090
 Delta R.T. -0.02 min
 Lab File: VL032523.D
 Acq: 25 Sep 2018 00:17

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0924ABS01

Tot Ion	Ratio	Lower	Upper
62	100		
98	6.0	5.0	7.6

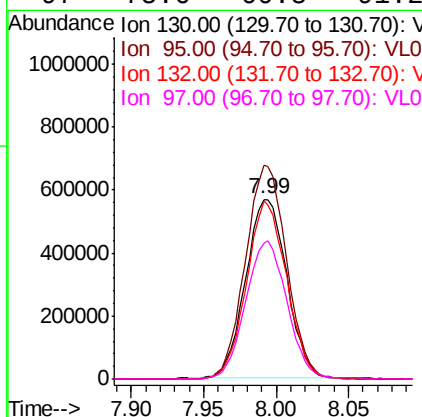
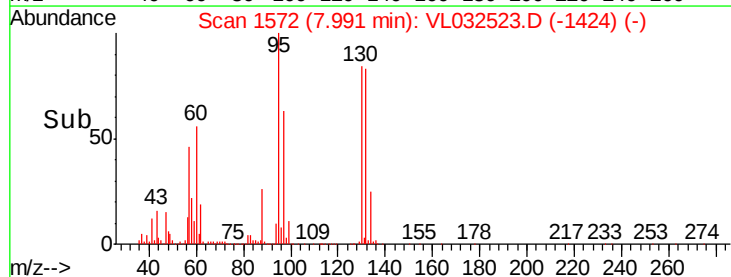
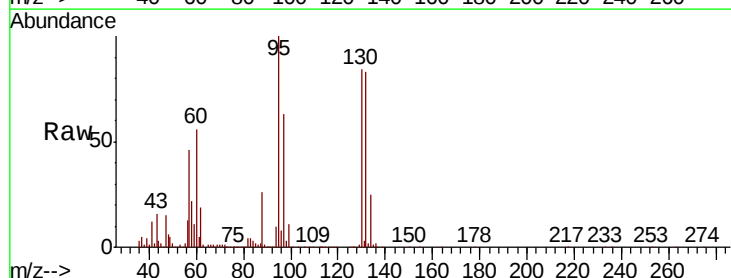
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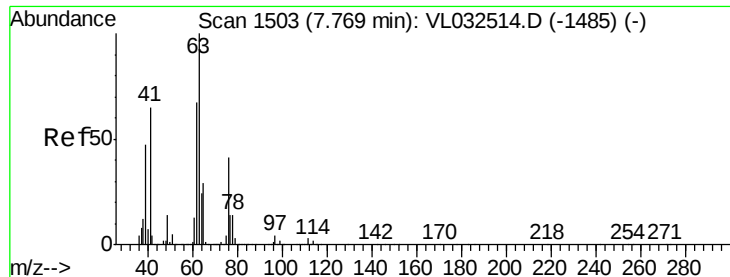
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#38
 Trichloroethene
 Concen: 10.146 ppbv
 RT: 7.99 min Scan# 1572
 Delta R.T. -0.02 min
 Lab File: VL032523.D
 Acq: 25 Sep 2018 00:17

Tgt Ion	Ratio	Lower	Upper
130	100		
95	119.5	94.2	141.4
132	99.5	76.2	114.4
97	75.6	60.8	91.2





#39

1,2-Dichloropropane

Concen: 9.590 ppbv

RT: 7.77 min Scan# 1502

Delta R.T. -0.02 min

Lab File: VL032523.D

Acq: 25 Sep 2018 00:17

Instrument :

MSVOA_L

ClientSampleId :

VL0924ABS01

Tot Ion: 63 Resp: 1250853

Ion Ratio Lower Upper

63 100

41 70.9 55.4 83.0

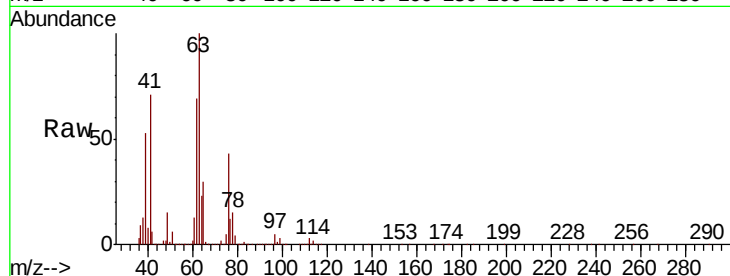
62 69.4 55.4 83.0

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Abundance

Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0

800000

600000

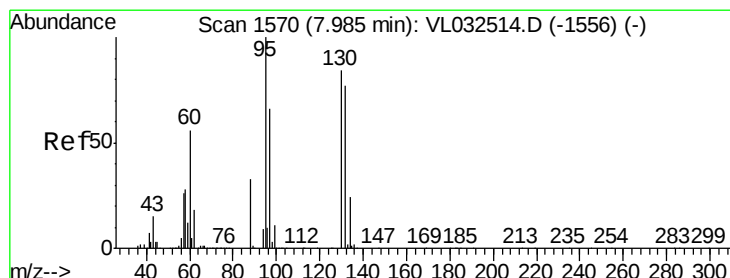
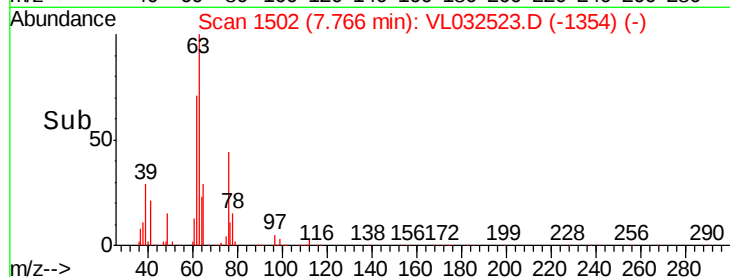
400000

200000

0

7.77

Time-->



#40

1,4-Dioxane

Concen: 10.260 ppbv

RT: 7.99 min Scan# 1571

Delta R.T. -0.02 min

Lab File: VL032523.D

Acq: 25 Sep 2018 00:17

Tgt Ion: 88 Resp: 410345

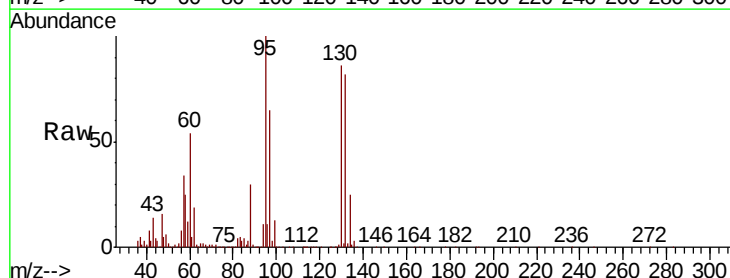
Ion Ratio Lower Upper

88 100

58 144.3 119.7 179.5

43 296.6 253.0 379.4

57 1365.4 1156.9 1735.3



Abundance

Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

3000000

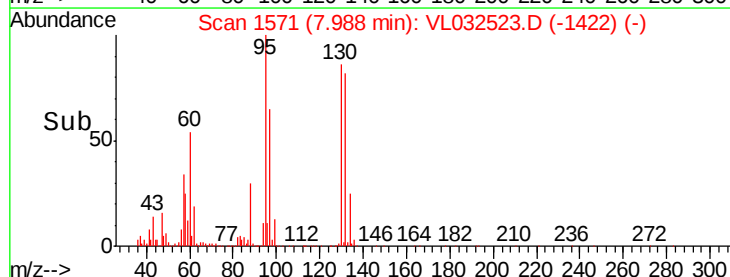
2000000

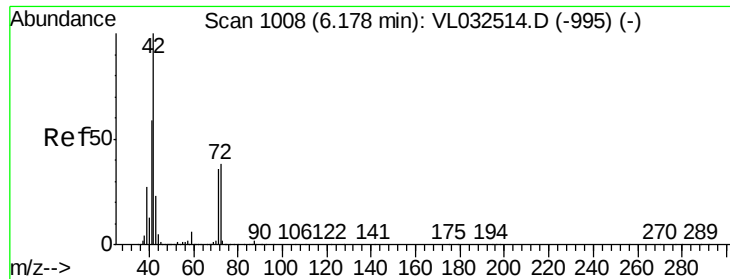
1000000

0

7.99

Time-->





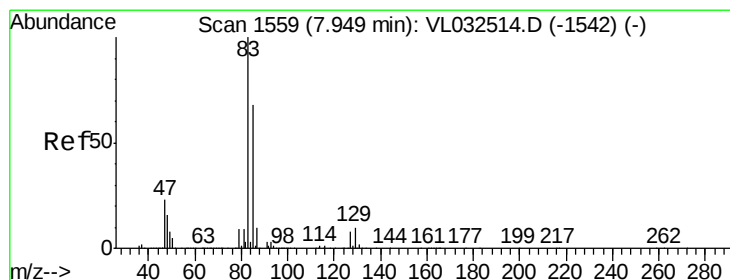
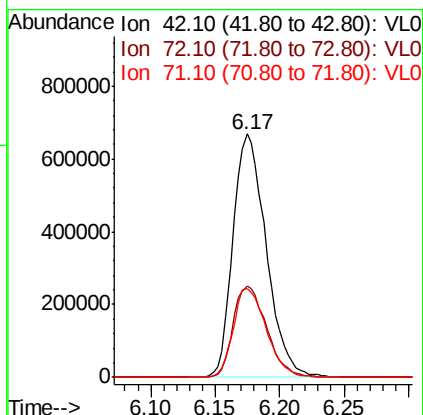
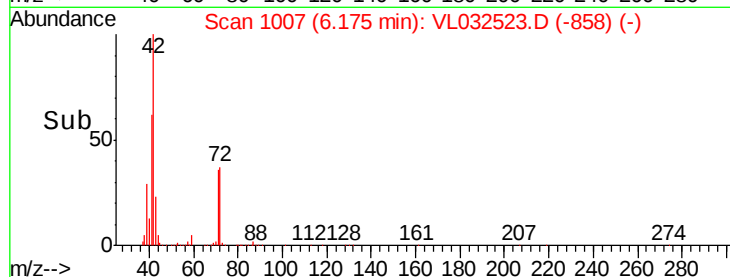
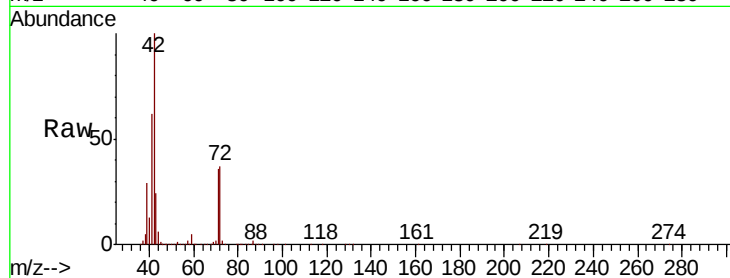
#41
Tetrahydrofuran
Concen: 10.320 ppbv
RT: 6.17 min Scan# 1007
Delta R.T. -0.02 min
Lab File: VL032523.D
Acq: 25 Sep 2018 00:17

Instrument :
MSVOA_L
ClientSampleId :
VL0924ABS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.1	29.5	44.3
71	36.6	28.3	42.5

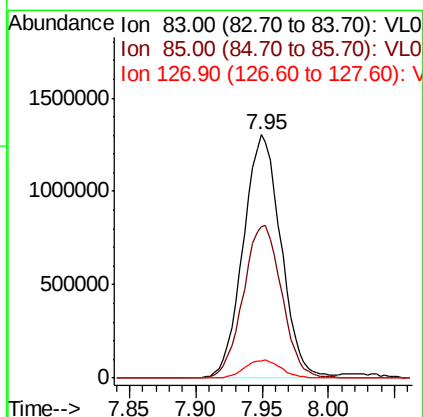
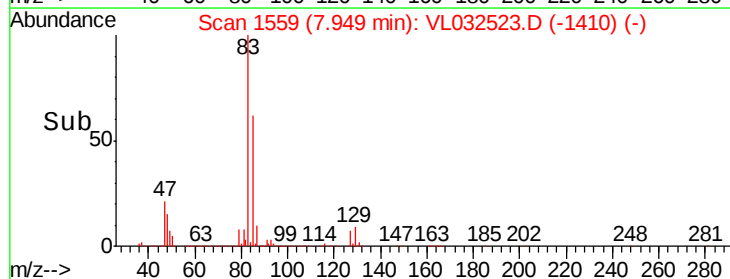
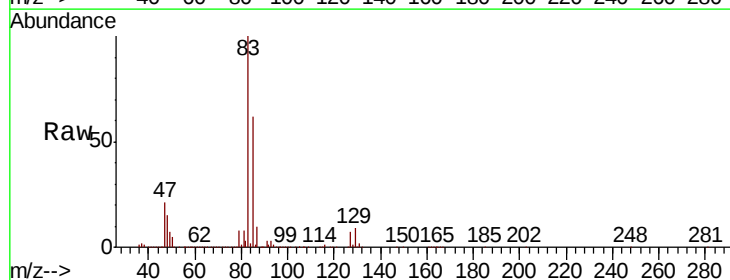
Manual Integrations
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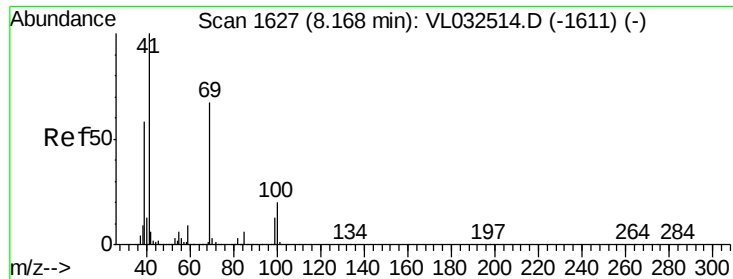
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#42
Bromodichloromethane
Concen: 9.870 ppbv
RT: 7.95 min Scan# 1559
Delta R.T. -0.02 min
Lab File: VL032523.D
Acq: 25 Sep 2018 00:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.4	51.1	76.7
127	7.2	5.8	8.8





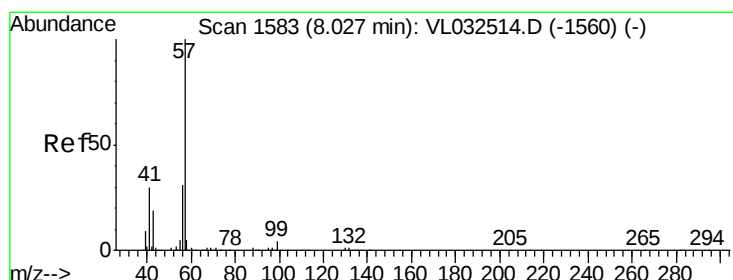
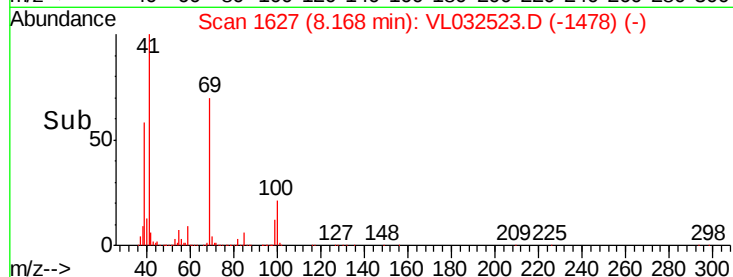
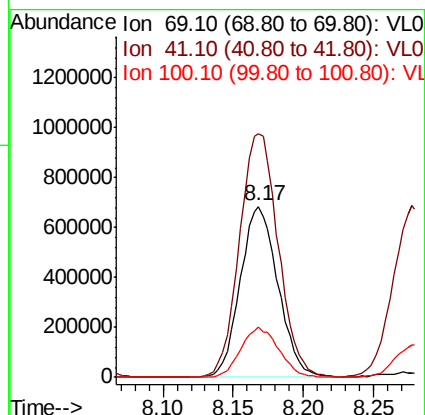
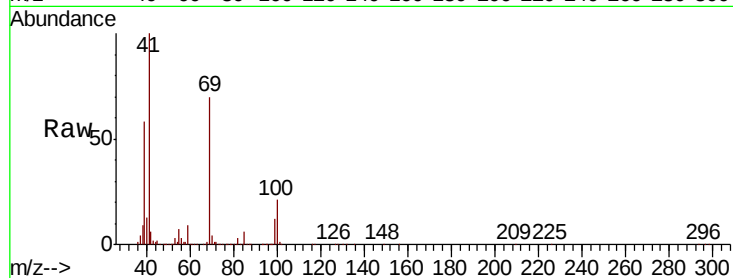
#43
Methvl Methacrilate
Concen: 10.662 ppbv
RT: 8.17 min Scan# 1627
Delta R.T. -0.02 min
Lab File: VL032523.D
Acq: 25 Sep 2018 00:17

Instrument :
MSVOA_L
ClientSampleId :
VL0924ABS01

Tot Ion: 69 Resp: 1289178
Ion Ratio Lower Upper
69 100
41 145.5 117.1 175.7
100 29.5 23.4 35.2

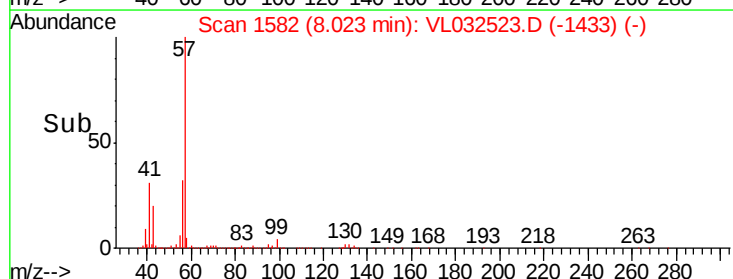
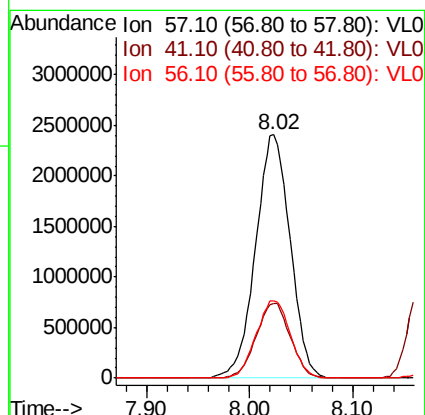
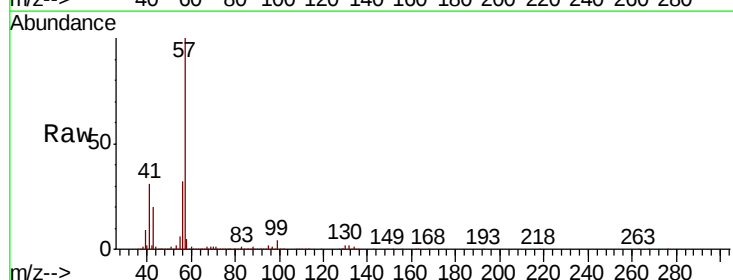
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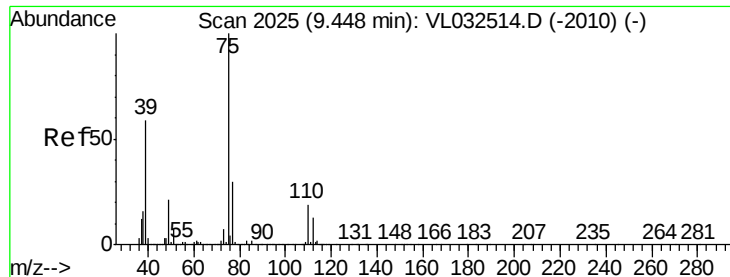
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#44
2,2,4-Trimethylpentane
Concen: 9.894 ppbv
RT: 8.02 min Scan# 1582
Delta R.T. -0.02 min
Lab File: VL032523.D
Acq: 25 Sep 2018 00:17

Tgt Ion: 57 Resp: 5596501
Ion Ratio Lower Upper
57 100
41 30.4 24.4 36.6
56 31.7 25.7 38.5





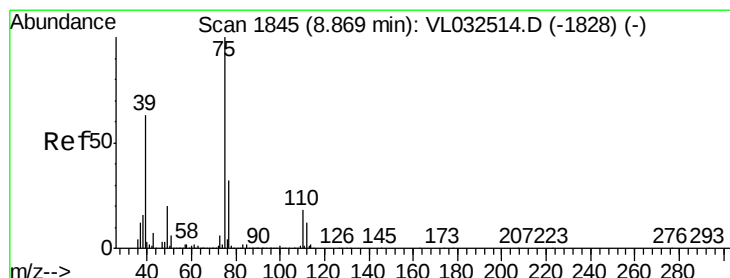
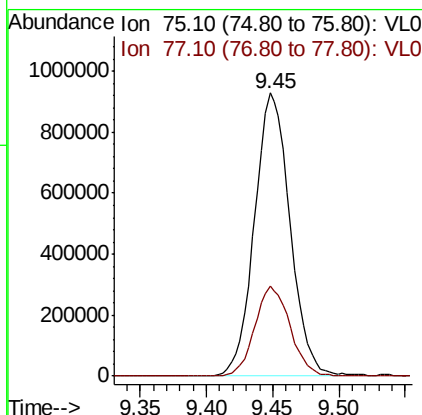
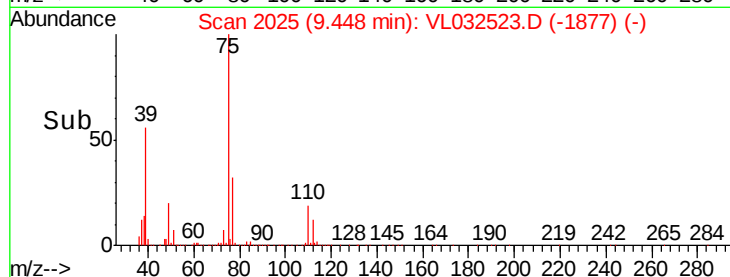
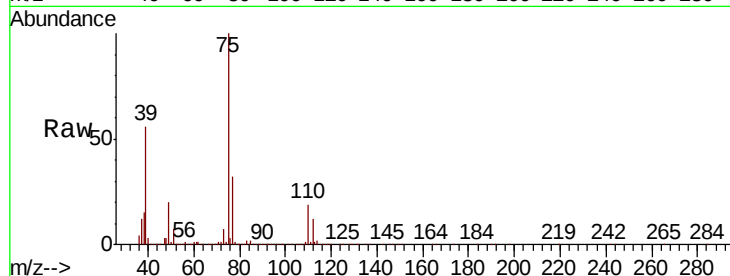
#45
t-1,3-Dichloropropene
Concen: 11.536 ppbv
RT: 9.45 min Scan# 2025
Delta R.T. -0.02 min
Lab File: VL032523.D
Acq: 25 Sep 2018 00:17

Instrument :
MSVOA_L
ClientSampleId :
VL0924ABS01

Tot Ion: 75 Resp: 1735001
Ion Ratio Lower Upper
75 100
77 31.8 26.2 39.2

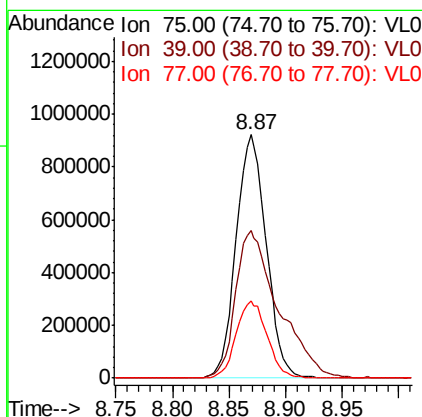
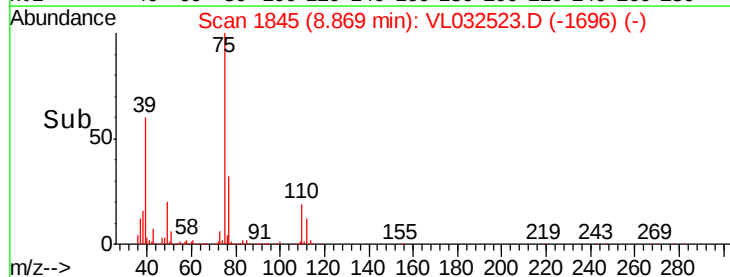
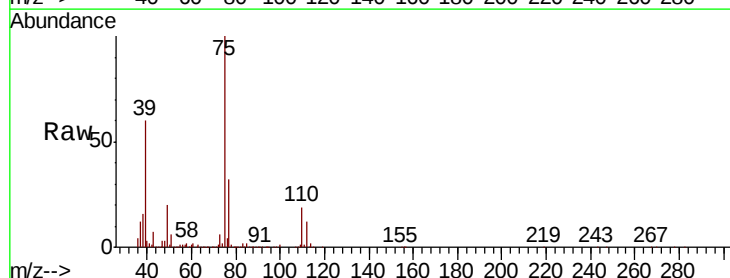
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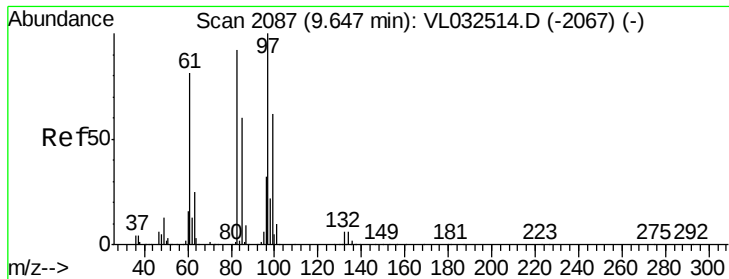
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#46
cis-1,3-Dichloropropene
Concen: 9.709 ppbv
RT: 8.87 min Scan# 1845
Delta R.T. -0.02 min
Lab File: VL032523.D
Acq: 25 Sep 2018 00:17

Tgt Ion: 75 Resp: 1712720
Ion Ratio Lower Upper
75 100
39 60.3 48.9 73.3
77 31.5 25.4 38.0





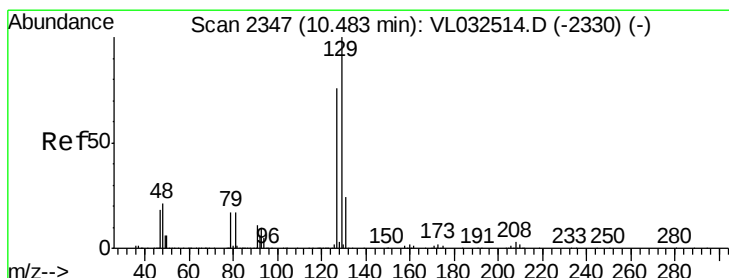
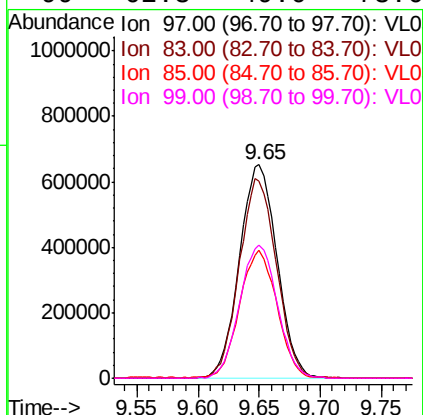
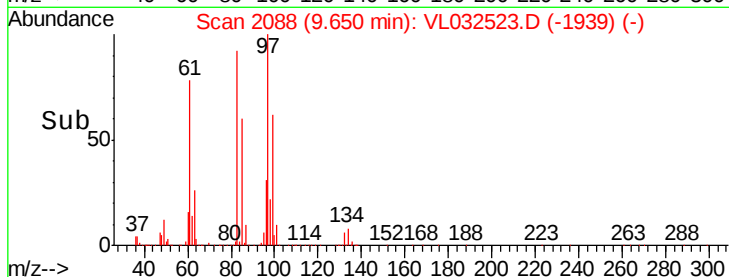
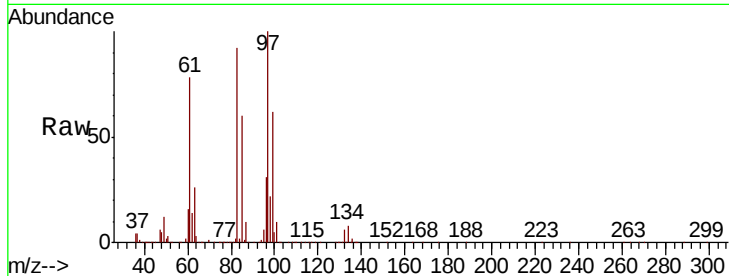
#47
 1,1,2-Trichloroethane
 Concen: 9.588 ppbv
 RT: 9.65 min Scan# 2088
 Delta R.T. -0.02 min
 Lab File: VL032523.D
 Acq: 25 Sep 2018 00:17

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0924ABS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	92.3	75.0	112.4
85	60.0	47.5	71.3
99	62.3	49.0	73.6

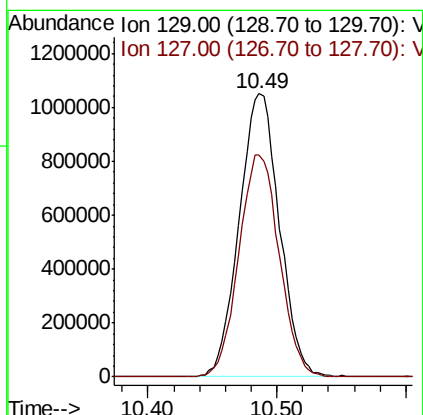
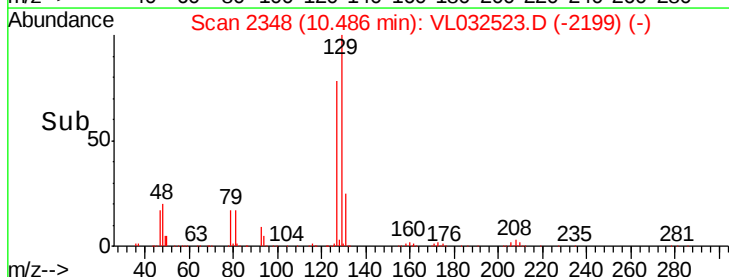
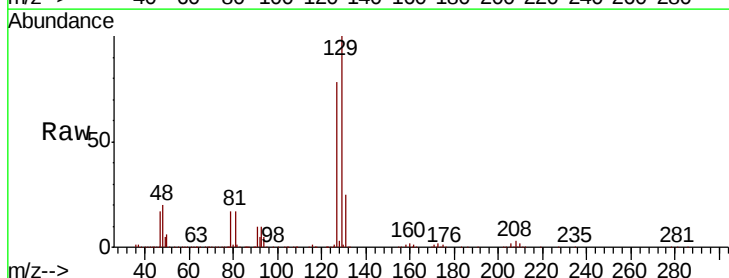
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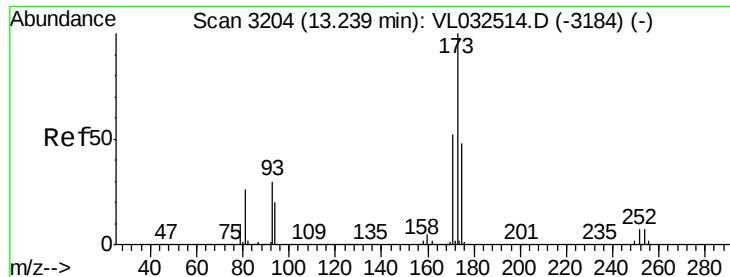
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#48
 Dibromochloromethane
 Concen: 10.011 ppbv
 RT: 10.49 min Scan# 2348
 Delta R.T. -0.02 min
 Lab File: VL032523.D
 Acq: 25 Sep 2018 00:17

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.9	39.5	118.3





#49

Bromoform

Concen: 10.091 ppbv

RT: 13.24 min Scan# 3203

Delta R.T. -0.02 min

Lab File: VL032523.D

Acq: 25 Sep 2018 00:17

Instrument :

MSVOA_L

ClientSampled :

VL0924ABS01

Tot Ion:173 Resp: 1756503

Ion Ratio Lower Upper

173 100

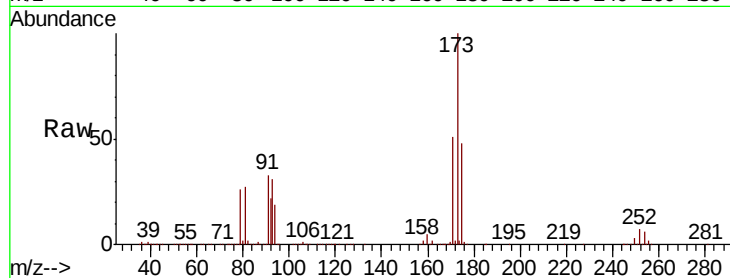
175 48.6 38.9 58.3

171 52.2 41.6 62.4

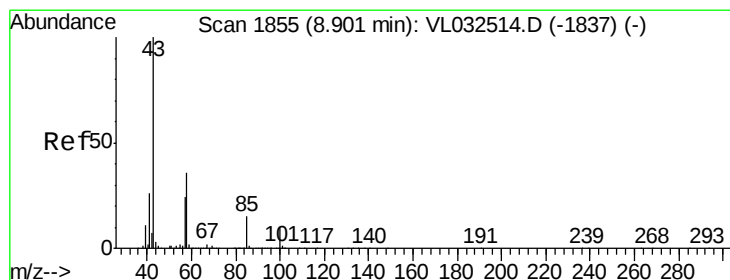
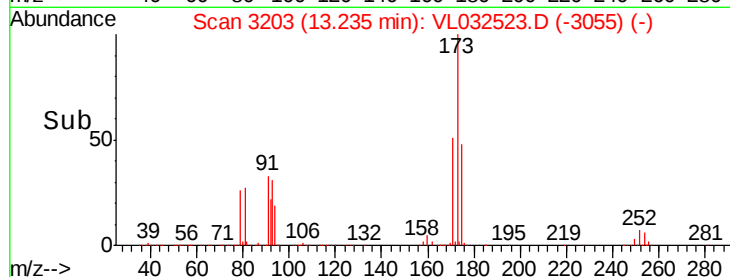
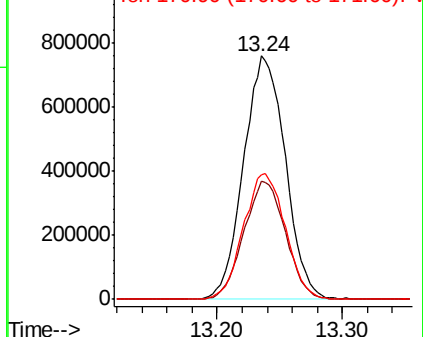
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Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 8.832 ppbv

RT: 8.90 min Scan# 1855

Delta R.T. -0.02 min

Lab File: VL032523.D

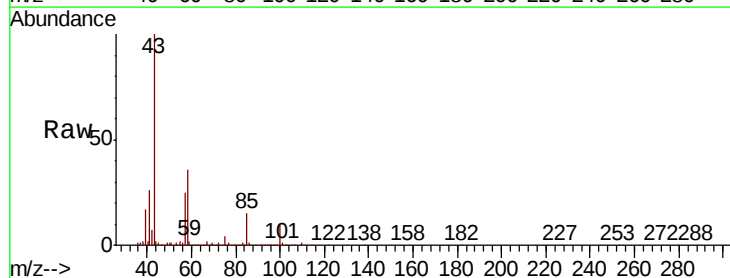
Acq: 25 Sep 2018 00:17

Tgt Ion: 43 Resp: 2960818

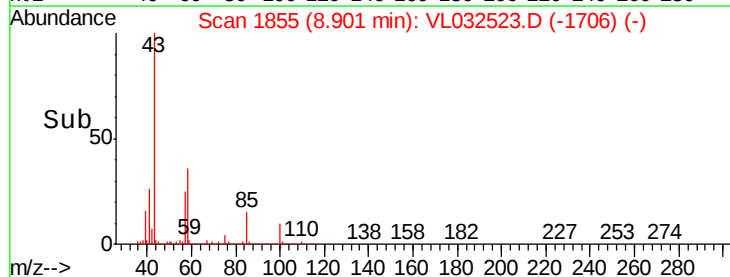
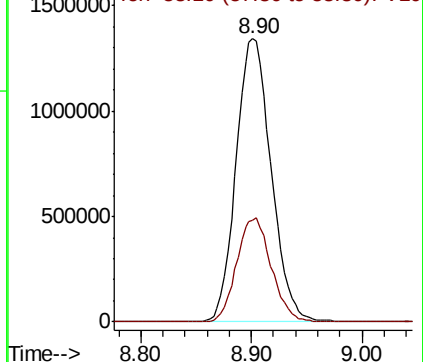
Ion Ratio Lower Upper

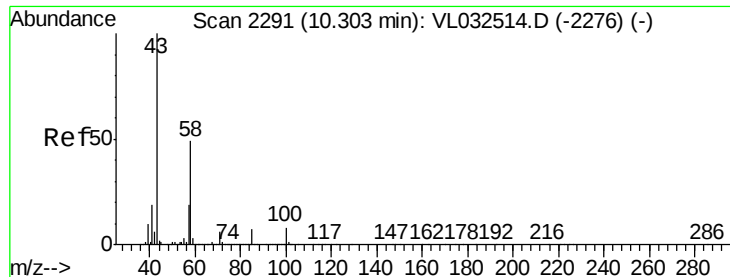
43 100

58 36.3 29.0 43.4



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 10.586 ppbv

RT: 10.30 min Scan# 2291

Delta R.T. -0.02 min

Lab File: VL032523.D

Acq: 25 Sep 2018 00:17

Instrument :

MSVOA_L

ClientSampleId :

VL0924ABS01

Tot Ion: 43 Resp: 2935190

Ion Ratio Lower Upper

43 100

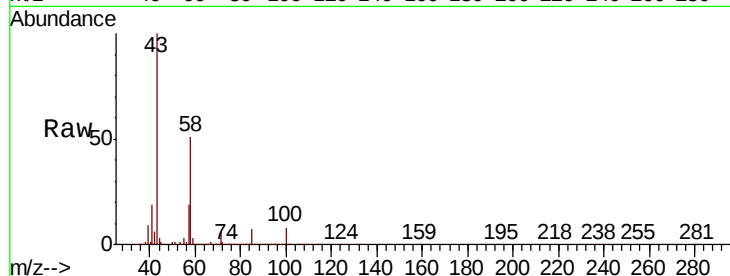
58 49.6 39.2 58.8

98 0.2 0.4 0.6#

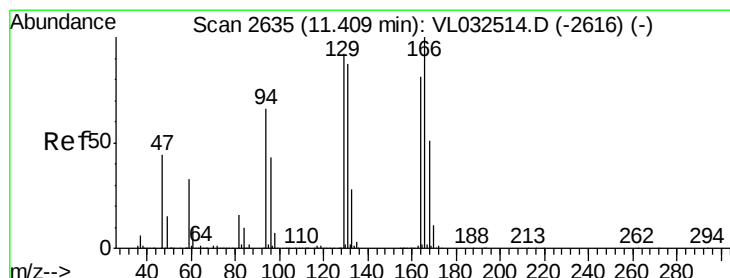
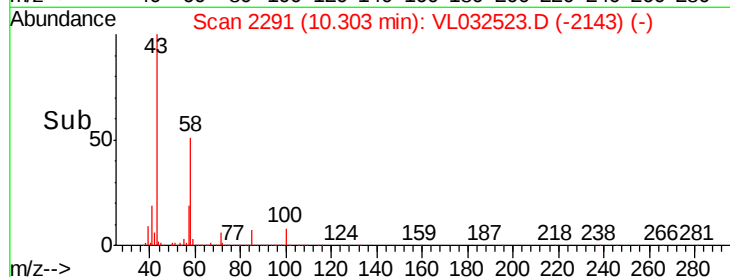
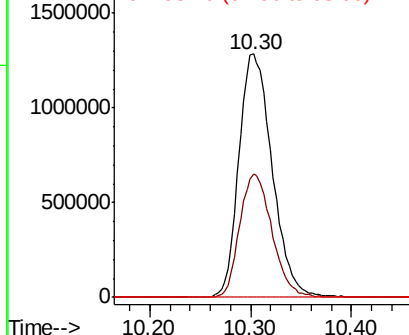
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Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 9.695 ppbv

RT: 11.41 min Scan# 2635

Delta R.T. -0.02 min

Lab File: VL032523.D

Acq: 25 Sep 2018 00:17

Tgt Ion: 164 Resp: 977040

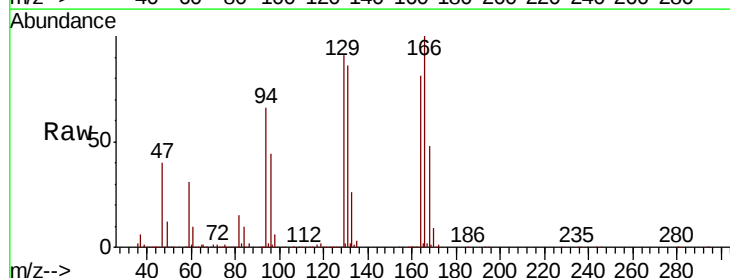
Ion Ratio Lower Upper

164 100

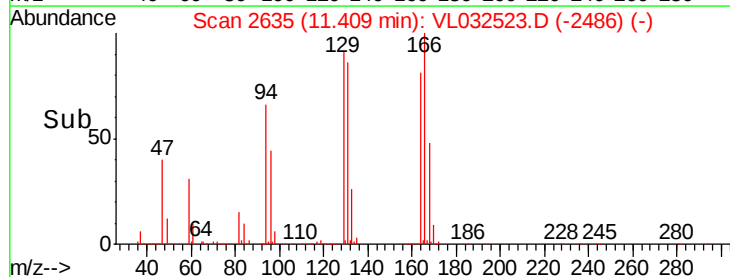
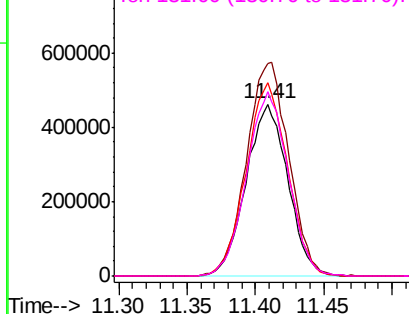
166 123.7 100.6 150.8

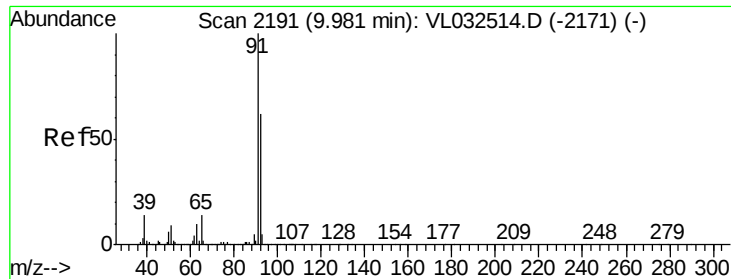
129 112.4 89.9 134.9

131 106.8 85.9 128.9



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 10.920 ppbv

RT: 9.98 min Scan# 2191

Delta R.T. -0.02 min

Lab File: VL032523.D

Acq: 25 Sep 2018 00:17

Instrument :

MSVOA_L

ClientSampleId :

VL0924ABS01

Tot Ion: 91 Resp: 3851633

Ion Ratio Lower Upper

91 100

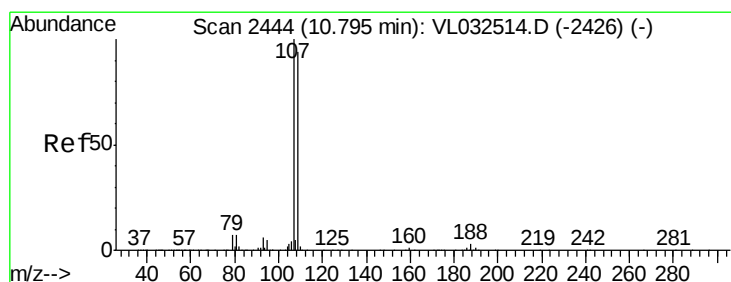
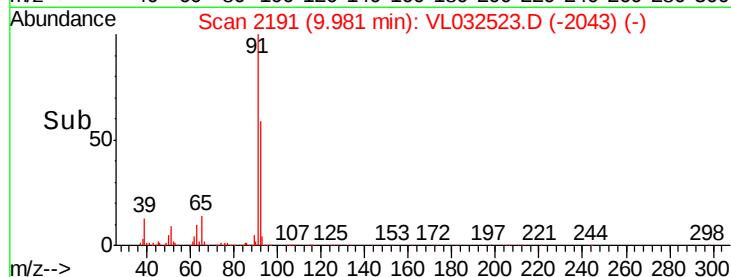
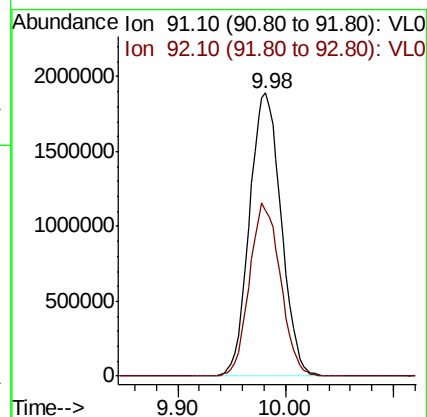
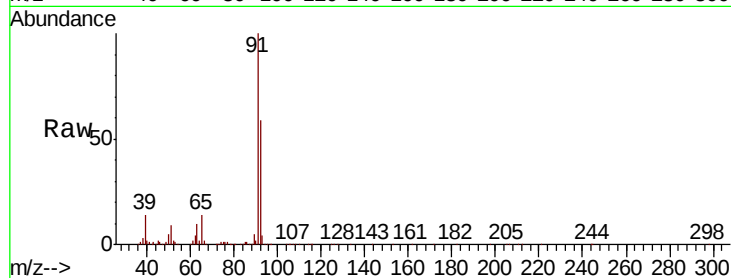
92 60.0 48.1 72.1

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#54

1,2-Dibromoethane

Concen: 10.030 ppbv

RT: 10.79 min Scan# 2444

Delta R.T. -0.02 min

Lab File: VL032523.D

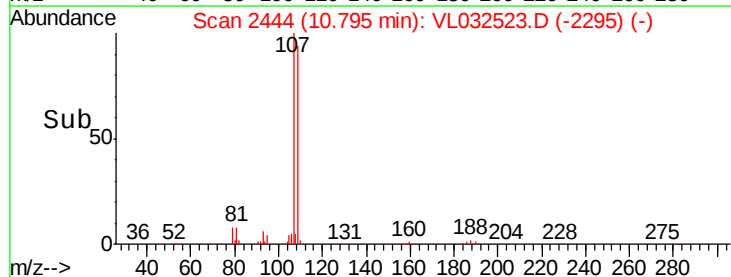
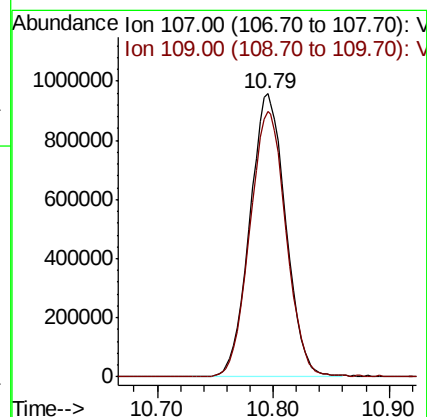
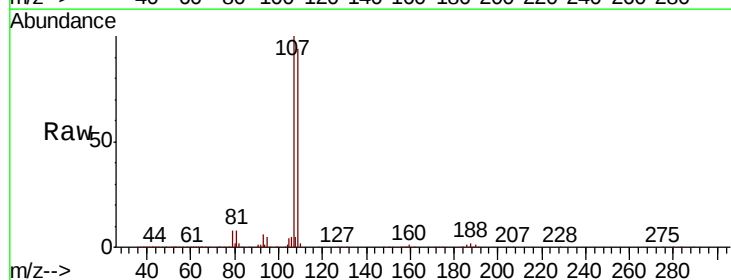
Acq: 25 Sep 2018 00:17

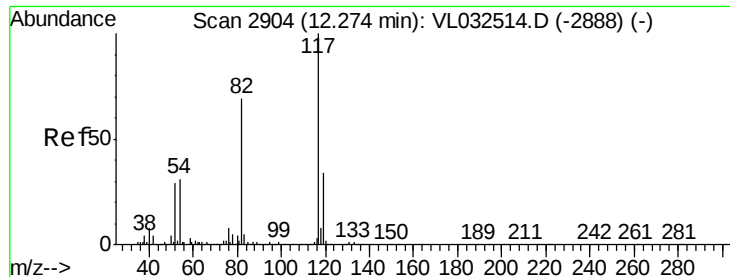
Tgt Ion: 107 Resp: 2066588

Ion Ratio Lower Upper

107 100

109 93.6 73.9 110.9





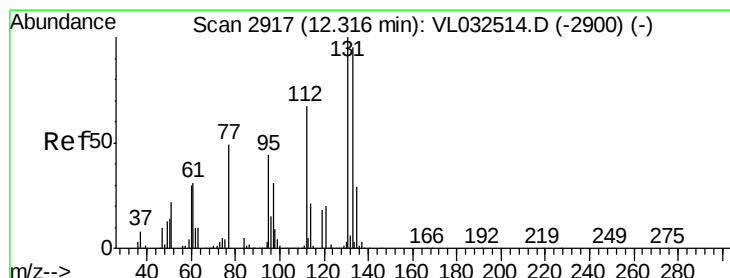
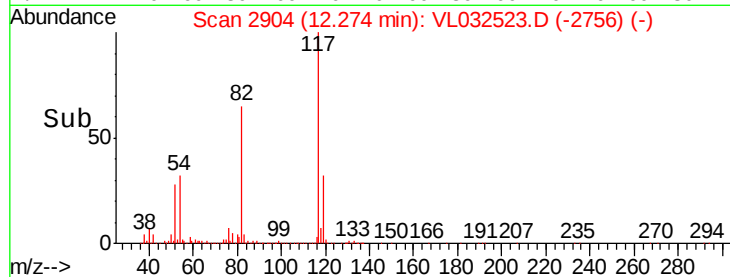
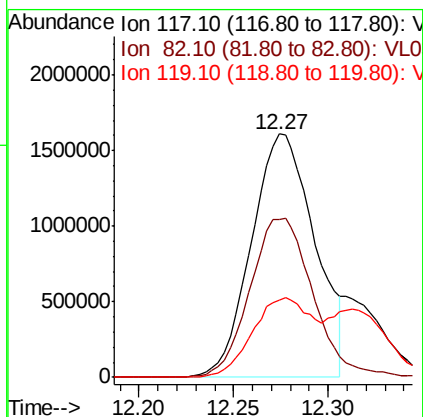
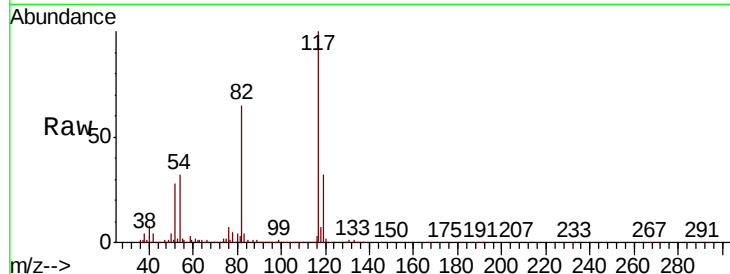
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.27 min Scan# 2904
Delta R.T. -0.02 min
Lab File: VL032523.D
Acq: 25 Sep 2018 00:17

Instrument :
MSVOA_L
ClientSampleId :
VL0924ABS01

Tot Ion:117 Resp: 3747806
Ion Ratio Lower Upper
117 100
82 65.4 53.0 79.6
119 56.7 45.9 68.9

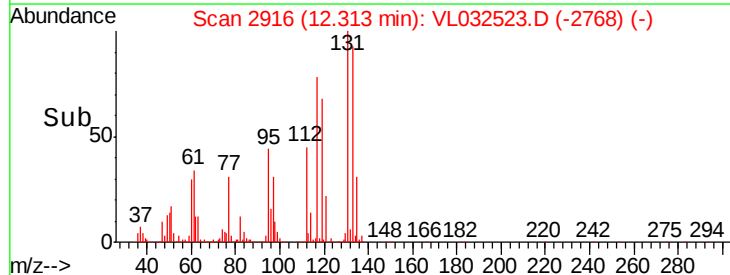
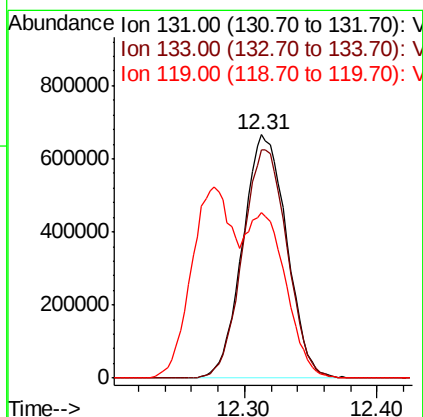
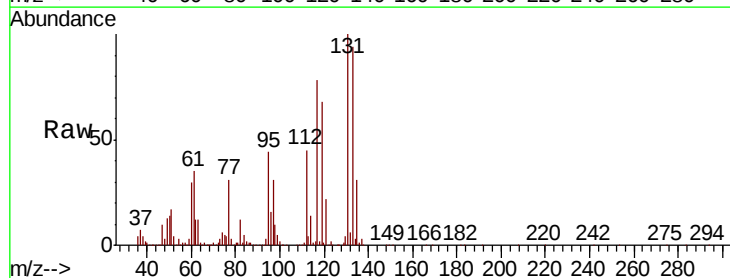
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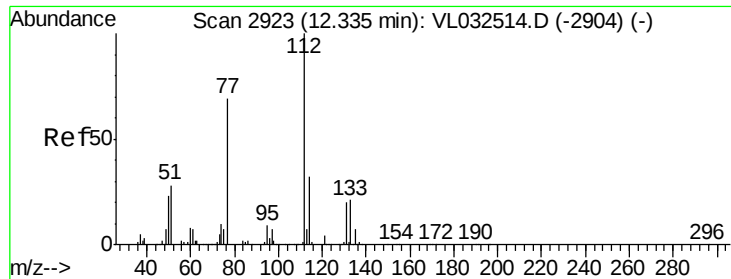
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.109 ppbv
RT: 12.31 min Scan# 2916
Delta R.T. -0.02 min
Lab File: VL032523.D
Acq: 25 Sep 2018 00:17

Tgt Ion:131 Resp: 1534485
Ion Ratio Lower Upper
131 100
133 95.3 77.0 115.4
119 61.7 114.2 171.2#





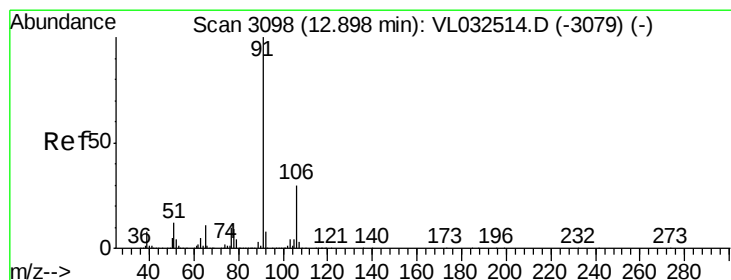
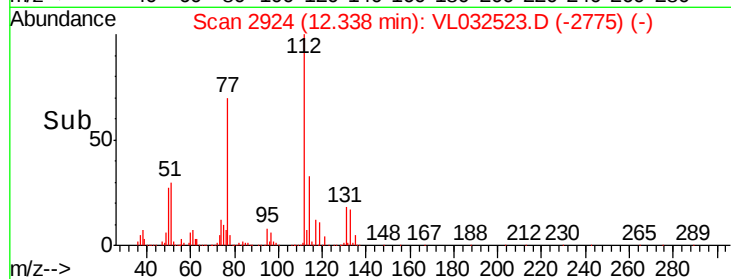
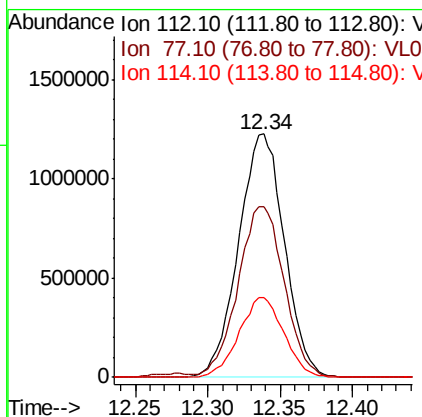
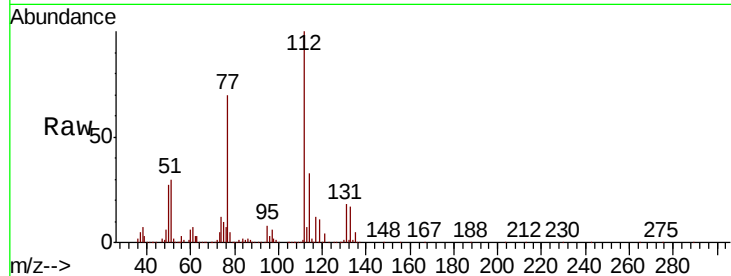
#57
Chlorobenzene
Concen: 8.884 ppbv
RT: 12.34 min Scan# 2924
Delta R.T. -0.02 min
Lab File: VL032523.D
Acq: 25 Sep 2018 00:17

Instrument :
MSVOA_L
ClientSampleId :
VL0924ABS01

Tot Ion: 112 Resp: 2681970
Ion Ratio Lower Upper
112 100
77 69.7 56.1 84.1
114 32.8 27.8 34.0

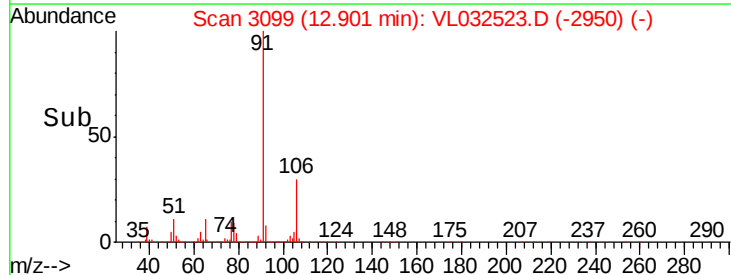
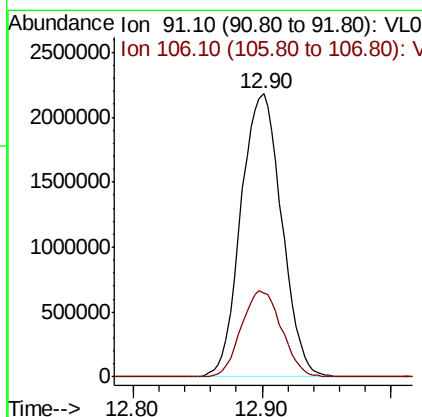
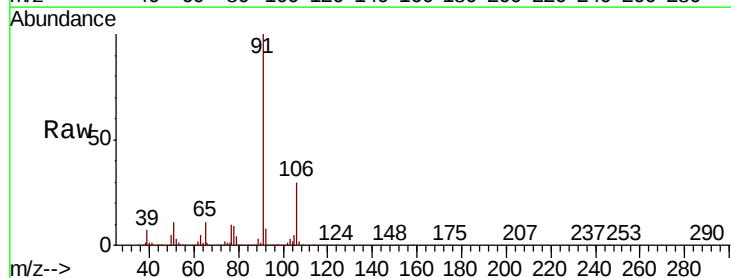
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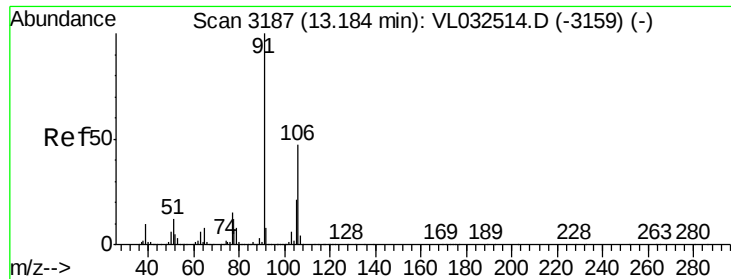
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#58
Ethyl Benzene
Concen: 10.561 ppbv
RT: 12.90 min Scan# 3099
Delta R.T. -0.02 min
Lab File: VL032523.D
Acq: 25 Sep 2018 00:17

Tgt Ion: 91 Resp: 4801239
Ion Ratio Lower Upper
91 100
106 29.6 24.8 37.2





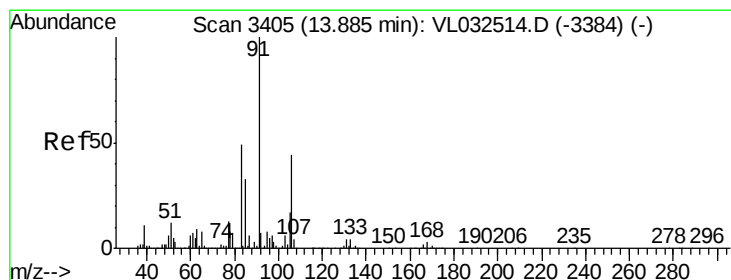
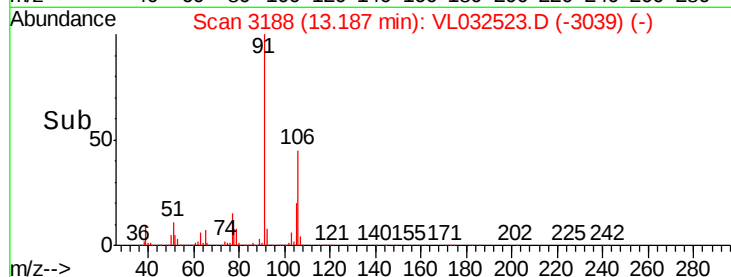
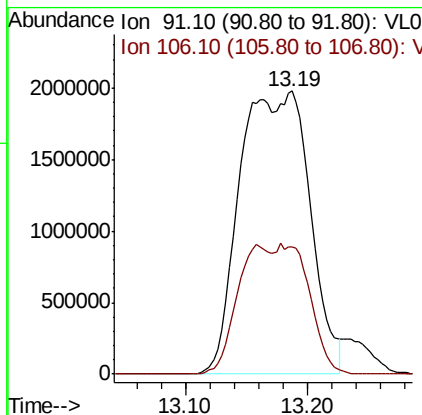
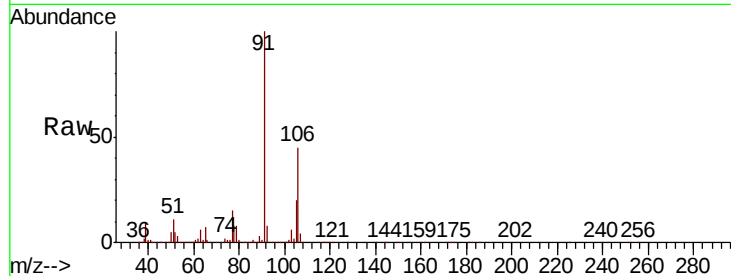
#59
m/p-Xylene
Concen: 19.517 ppbv m
RT: 13.19 min Scan# 3188
Delta R.T. -0.02 min
Lab File: VL032523.D
Acq: 25 Sep 2018 00:17

Instrument :
MSVOA_L
ClientSampleId :
VL0924ABS01

Tot Ion: 91 Resp: 7894393
Ion Ratio Lower Upper
91 100
106 45.5 36.6 55.0

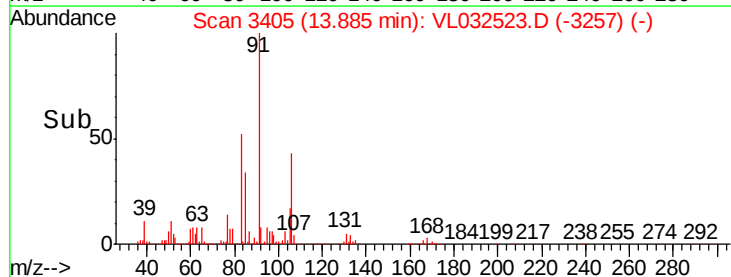
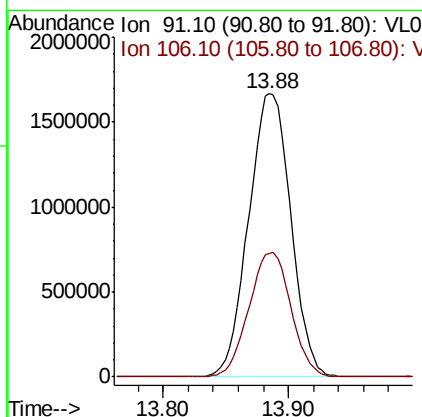
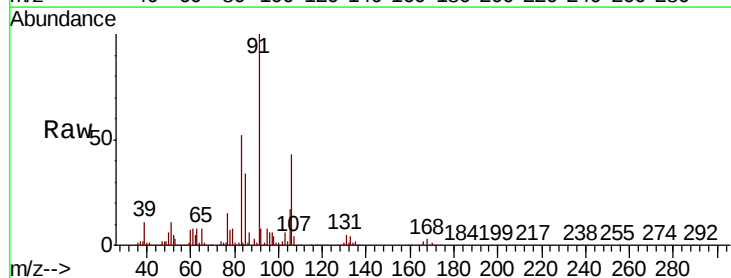
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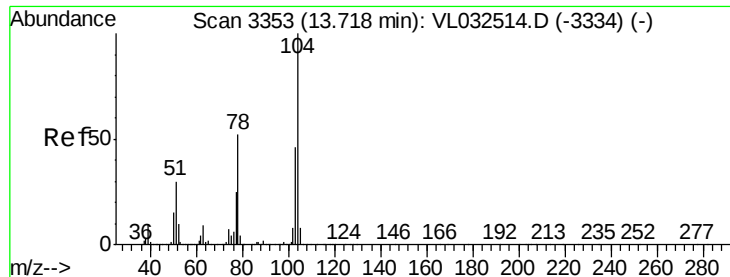
apatel
9/26/2018 4:47:50 PM



#60
o-Xylene
Concen: 9.909 ppbv
RT: 13.88 min Scan# 3405
Delta R.T. -0.02 min
Lab File: VL032523.D
Acq: 25 Sep 2018 00:17

Tgt Ion: 91 Resp: 3902252
Ion Ratio Lower Upper
91 100
106 43.9 21.9 65.7





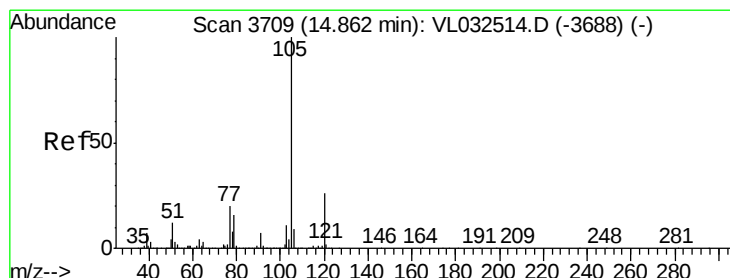
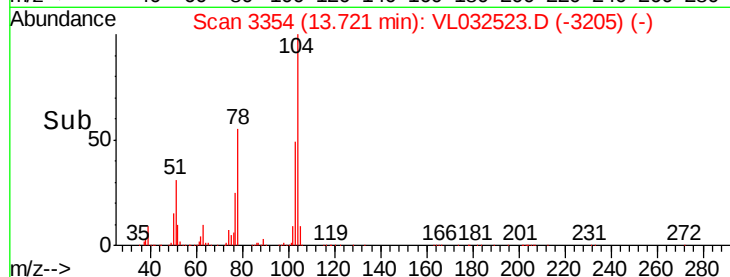
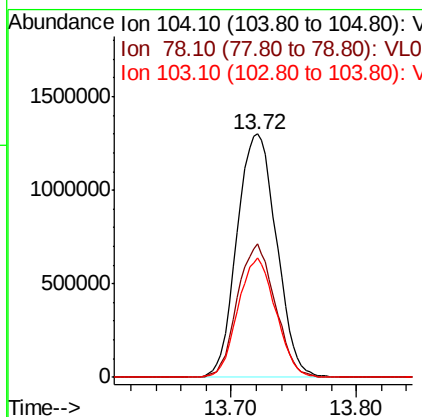
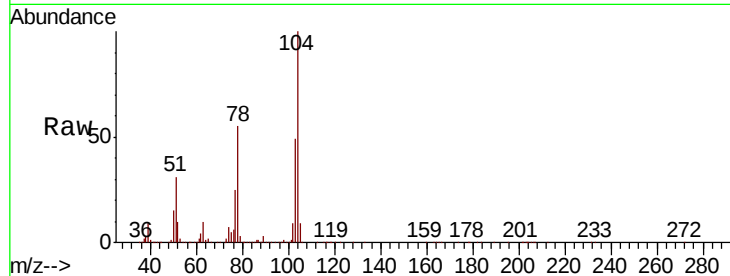
#61
Stvrene
Concen: 11.085 ppbv
RT: 13.72 min Scan# 3354
Delta R.T. -0.02 min
Lab File: VL032523.D
Acq: 25 Sep 2018 00:17

Instrument :
MSVOA_L
ClientSampleId :
VL0924ABS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	52.6	41.8	62.8
103	47.0	38.0	57.0

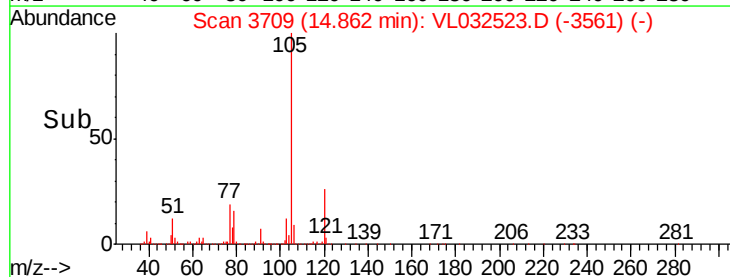
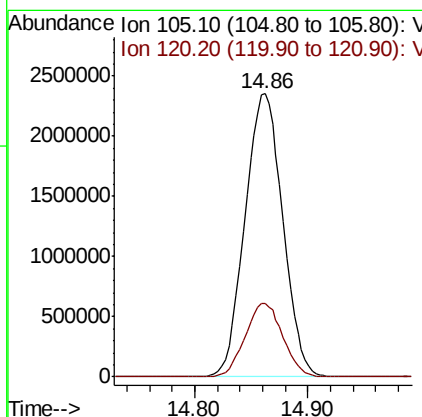
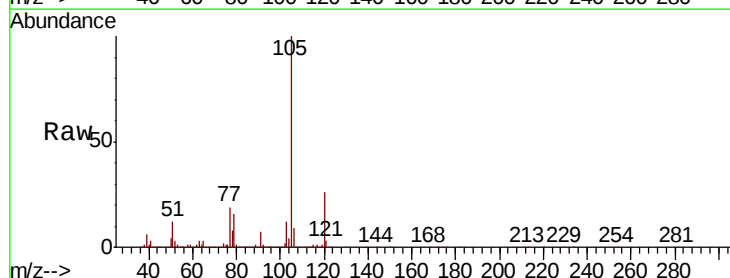
Manual Integrations
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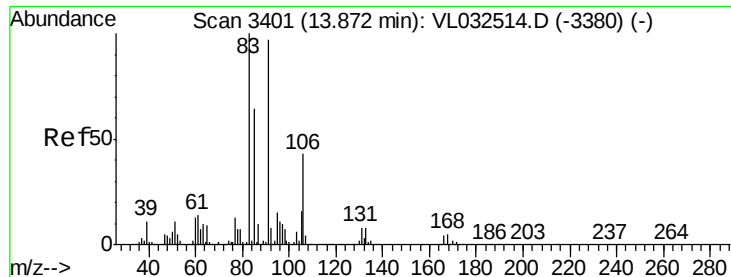
apatel
9/26/2018 4:47:50 PM



#62
Isopropylbenzene
Concen: 9.808 ppbv
RT: 14.86 min Scan# 3709
Delta R.T. -0.02 min
Lab File: VL032523.D
Acq: 25 Sep 2018 00:17

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.8	20.6	31.0





#63

1,1,2,2-Tetrachloroethane

Concen: 8.462 ppbv

RT: 13.87 min Scan# 3401

Delta R.T. -0.02 min

Lab File: VL032523.D

Acq: 25 Sep 2018 00:17

Instrument :

MSVOA_L

ClientSampleId :

VL0924ABS01

Tot Ion: 83 Resp: 2960445

Ion Ratio Lower Upper

83 100

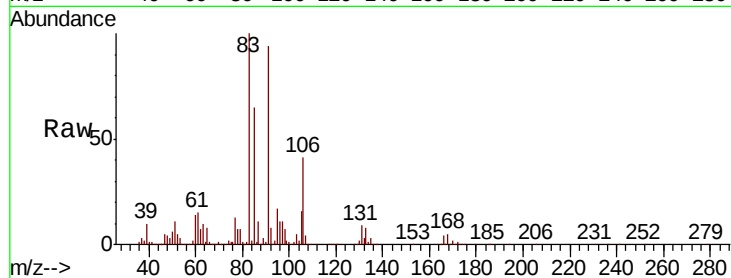
131 8.5 4.3 12.8

85 65.1 32.3 96.8

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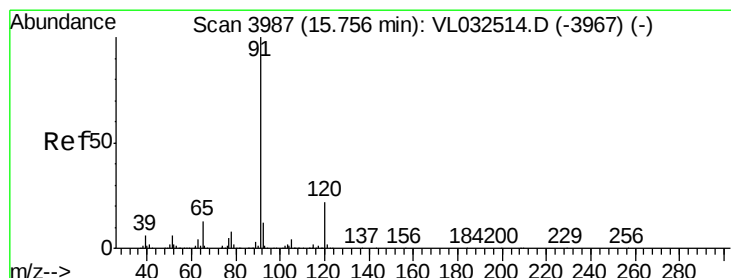
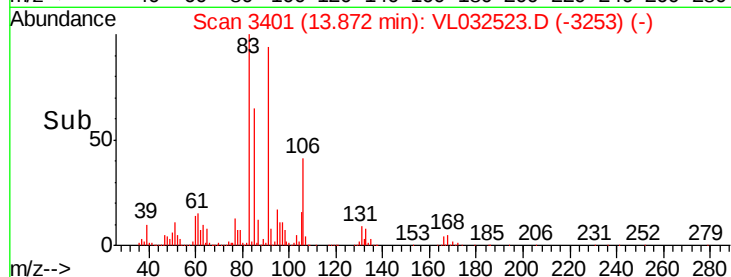
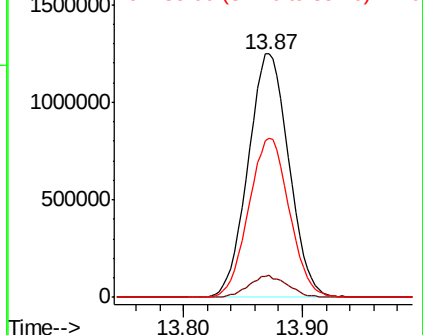
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Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 9.943 ppbv

RT: 15.76 min Scan# 3987

Delta R.T. -0.02 min

Lab File: VL032523.D

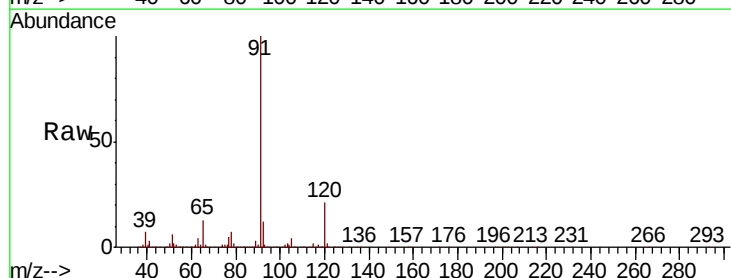
Acq: 25 Sep 2018 00:17

Tgt Ion: 120 Resp: 1422573

Ion Ratio Lower Upper

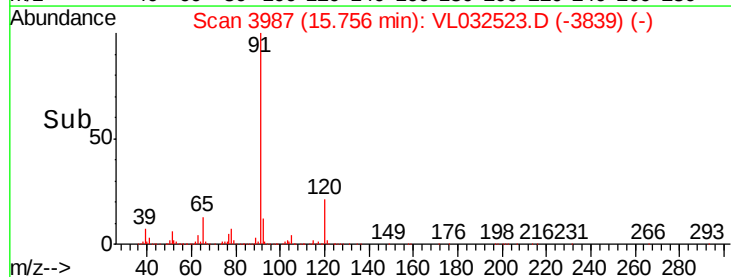
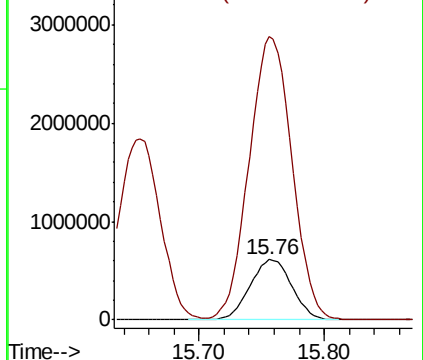
120 100

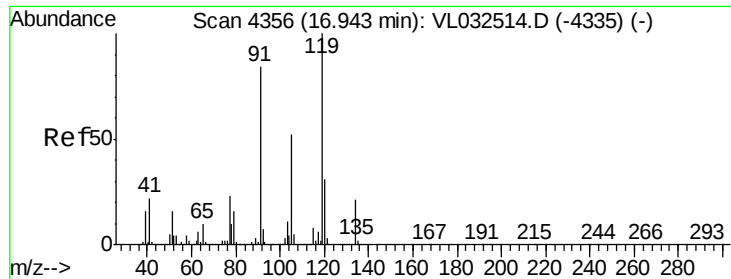
91 482.0 381.8 572.6



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 9.640 ppbv

RT: 16.94 min Scan# 4356

Delta R.T. -0.02 min

Lab File: VL032523.D

Acq: 25 Sep 2018 00:17

Instrument :

MSVOA_L

ClientSampleId :

VL0924ABS01

Tot Ion:119 Resp: 4601359

Ion Ratio Lower Upper

119 100

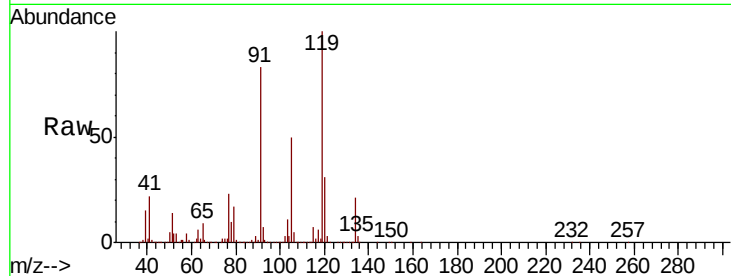
91 83.4 66.5 99.7

134 19.9 16.0 24.0

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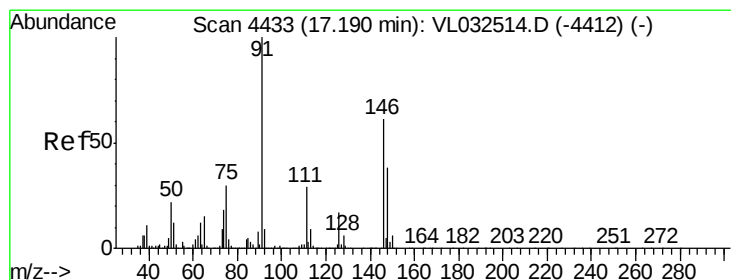
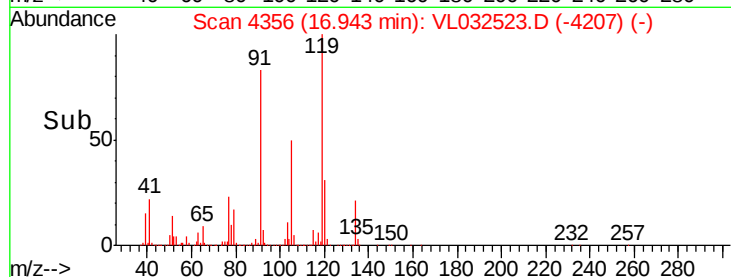
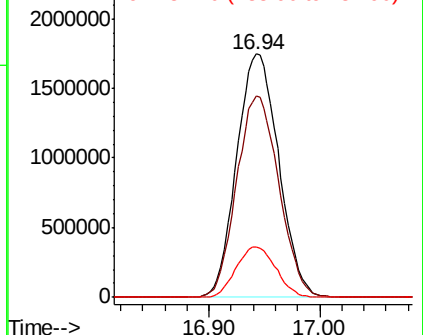
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Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 9.946 ppbv

RT: 17.19 min Scan# 4433

Delta R.T. -0.02 min

Lab File: VL032523.D

Acq: 25 Sep 2018 00:17

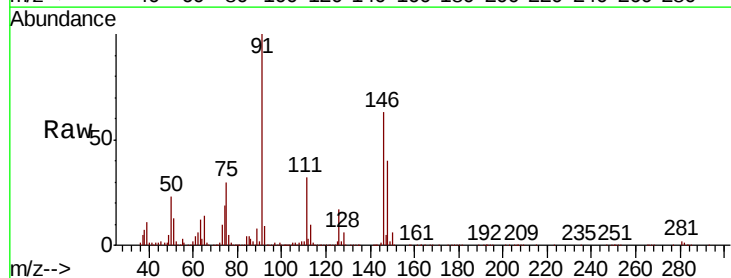
Tgt Ion: 91 Resp: 2736179

Ion Ratio Lower Upper

91 100

126 17.4 13.8 20.8

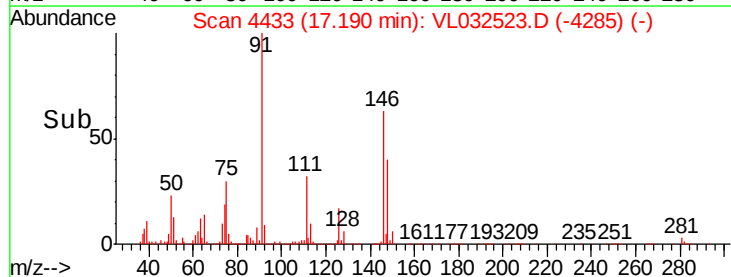
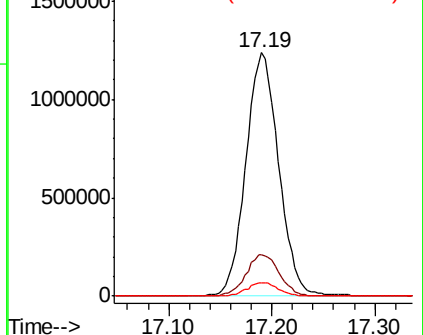
128 5.4 4.4 6.6

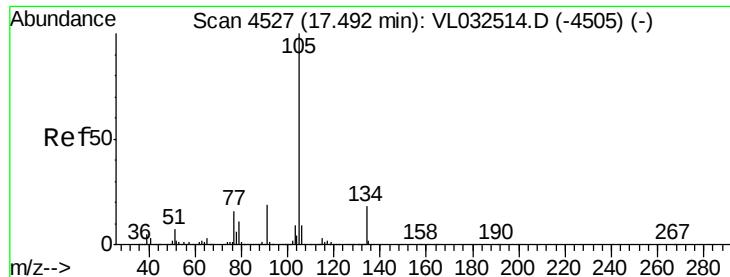


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 9.599 ppbv

RT: 17.50 min Scan# 4528

Delta R.T. -0.02 min

Lab File: VL032523.D

Acq: 25 Sep 2018 00:17

Instrument :

MSVOA_L

ClientSampleId :

VL0924ABS01

Tot Ion:105 Resp: 6812188

Ion Ratio Lower Upper

105 100

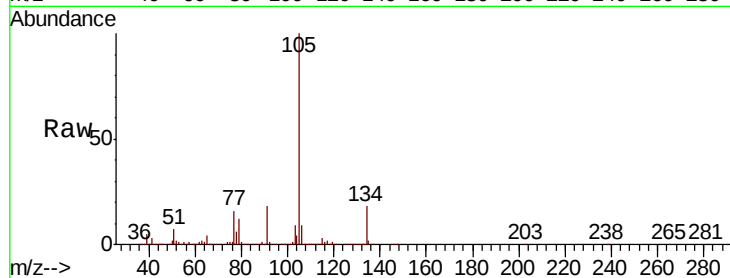
134 17.9 14.4 21.6

Manual Integrations

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

17.50

3000000

2500000

2000000

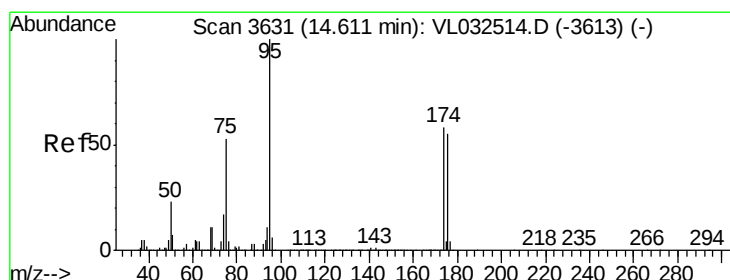
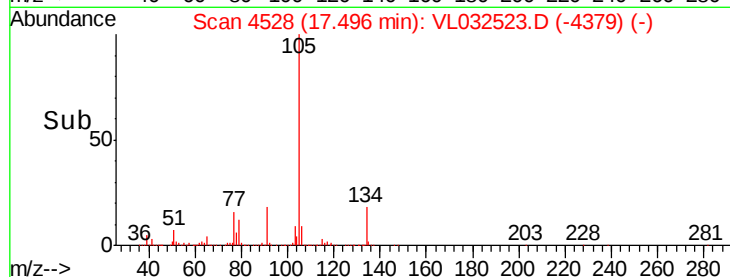
1500000

1000000

500000

0

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 9.882 ppbv

RT: 14.61 min Scan# 3631

Delta R.T. -0.02 min

Lab File: VL032523.D

Acq: 25 Sep 2018 00:17

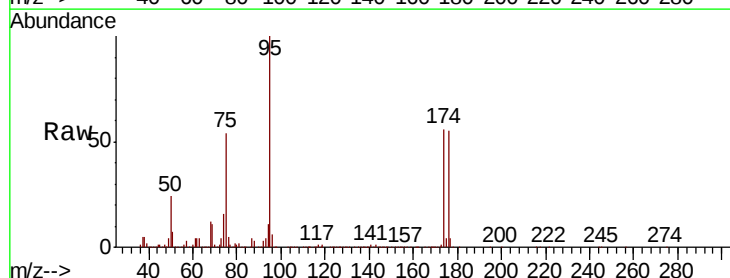
Tgt Ion: 95 Resp: 2793047

Ion Ratio Lower Upper

95 100

174 58.0 46.3 69.5

175 4.1 3.4 5.0



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

14.61

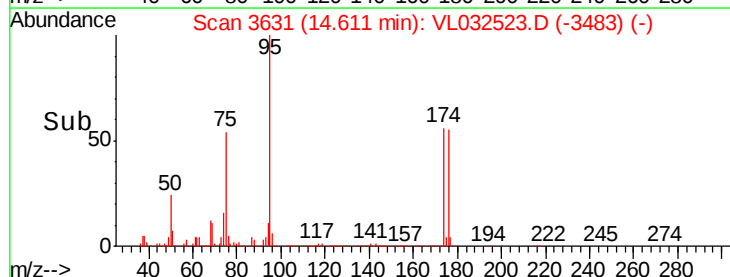
1500000

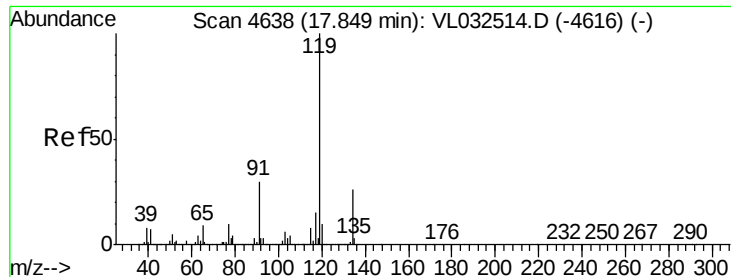
1000000

500000

0

Time-->





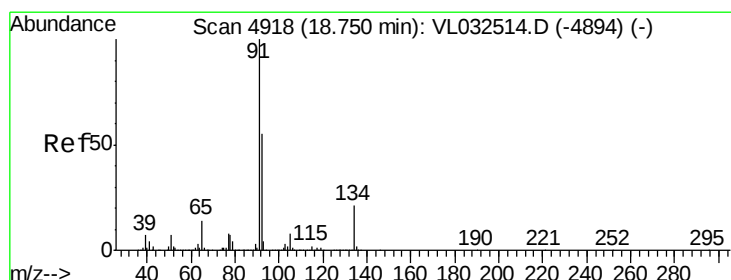
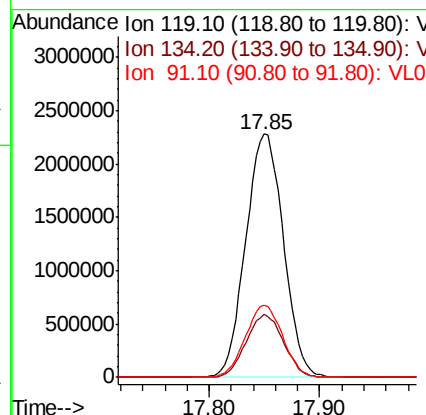
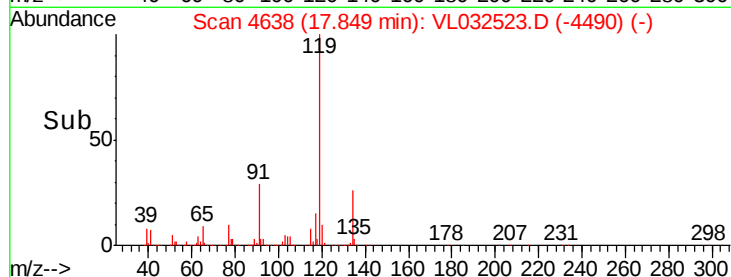
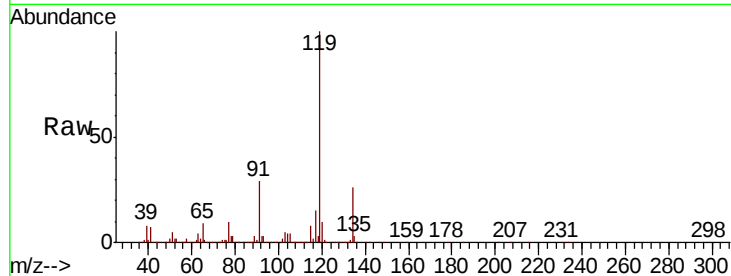
#69
 p-Isopropyltoluene
 Concen: 9.897 ppbv
 RT: 17.85 min Scan# 4638
 Delta R.T. -0.02 min
 Lab File: VL032523.D
 Acq: 25 Sep 2018 00:17

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0924ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.5	20.4	30.6
91	29.5	23.4	35.2

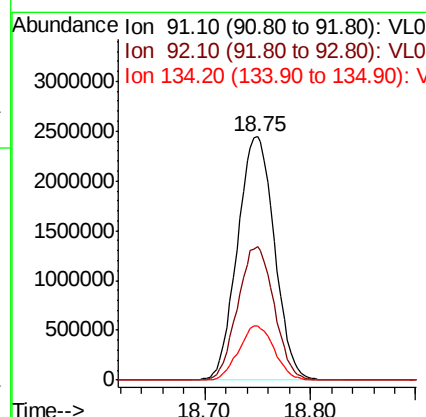
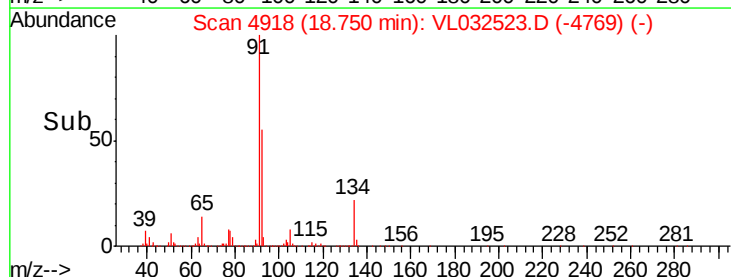
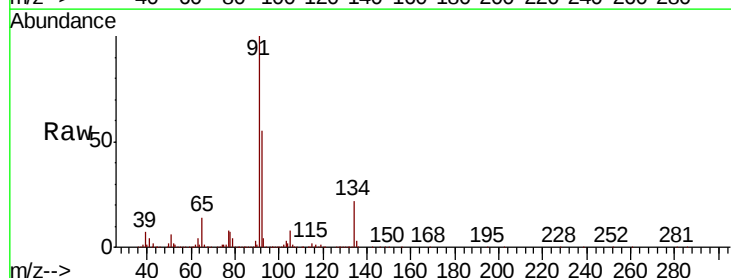
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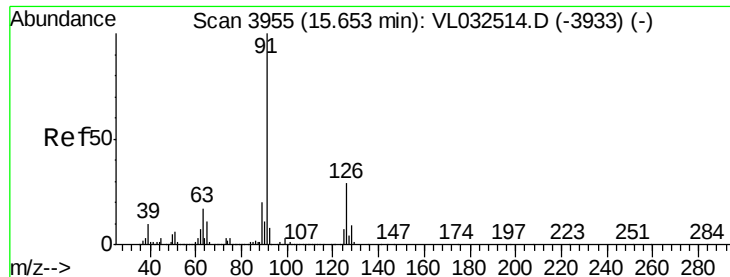
apatel
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#70
 n-Butylbenzene
 Concen: 9.908 ppbv
 RT: 18.75 min Scan# 4918
 Delta R.T. -0.02 min
 Lab File: VL032523.D
 Acq: 25 Sep 2018 00:17

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.1	43.8	65.8
134	21.5	17.4	26.0





#71

2-Chlorotoluene

Concen: 10.069 ppbv

RT: 15.65 min Scan# 3955

Delta R.T. -0.02 min

Lab File: VL032523.D

Acq: 25 Sep 2018 00:17

Instrument :

MSVOA_L

ClientSampleId :

VL0924ABS01

Tot Ion: 91 Resp: 4270873

Ion Ratio Lower Upper

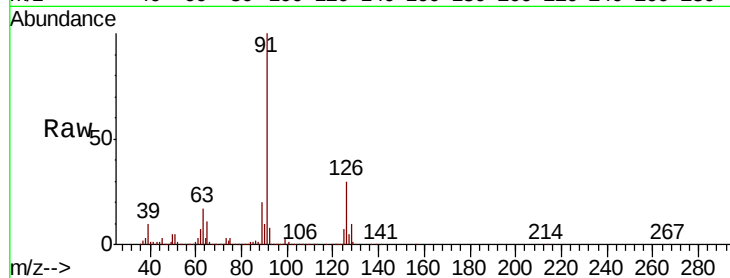
91 100

126 29.8 11.9 47.7

Manual Integrations
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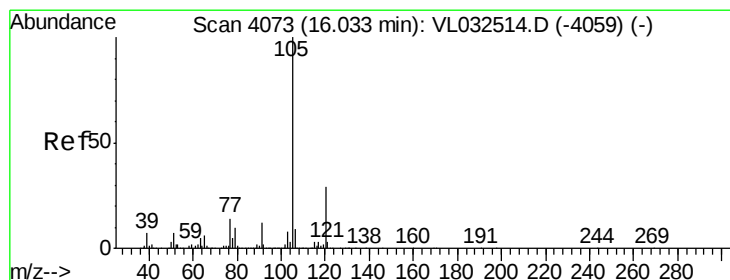
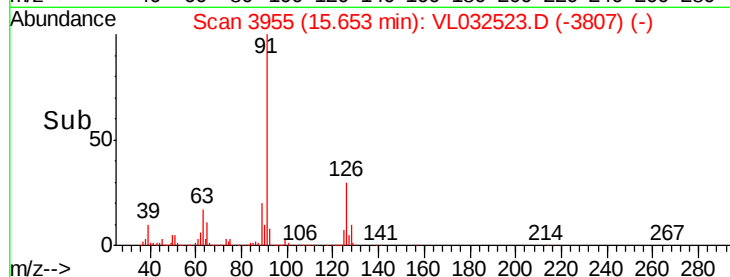
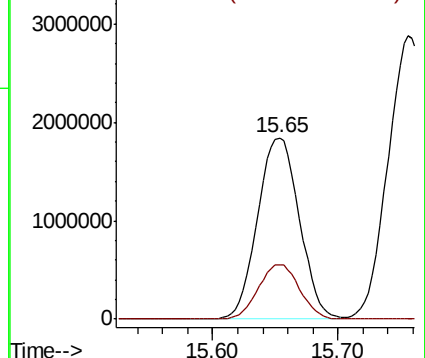
apatel

9/26/2018 4:47:50 PM



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 10.472 ppbv

RT: 16.04 min Scan# 4074

Delta R.T. -0.02 min

Lab File: VL032523.D

Acq: 25 Sep 2018 00:17

Tgt Ion:105 Resp: 4476296

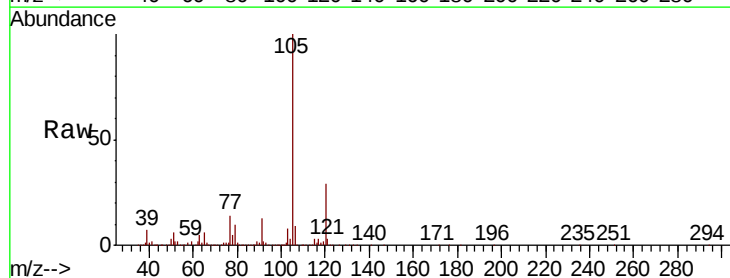
Ion Ratio Lower Upper

105 100

120 29.1 23.5 35.3

91 12.7 10.2 15.2

77 14.6 11.1 16.7

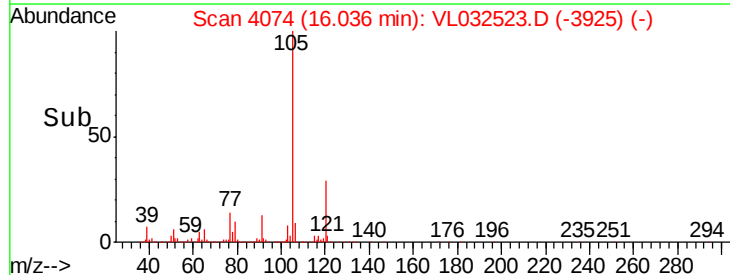
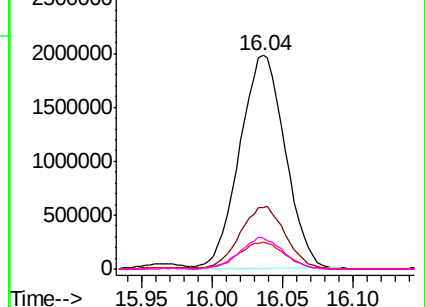


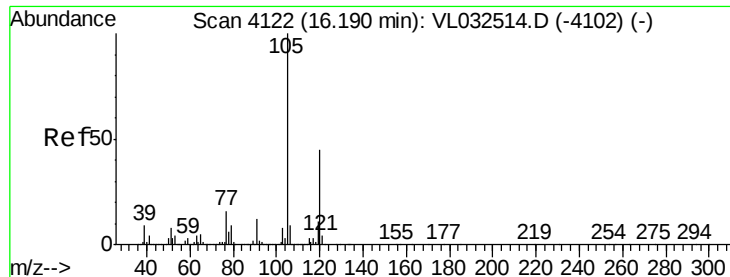
Abundance Ion 105.10 (104.80 to 105.80): V

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





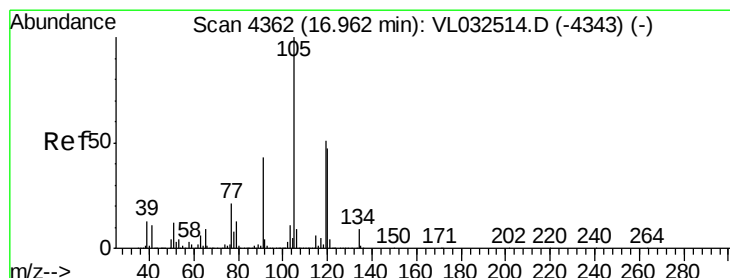
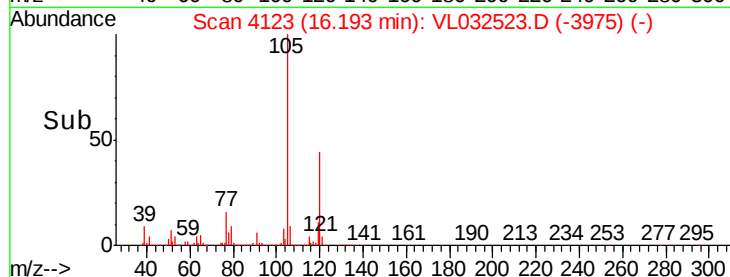
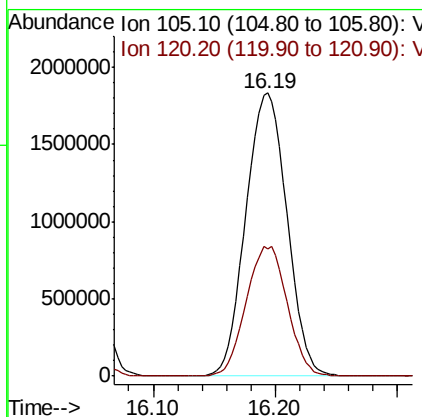
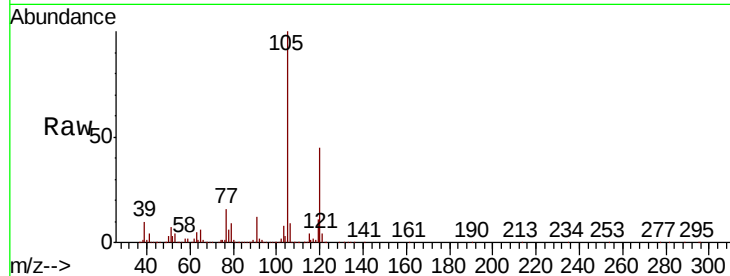
#73
 1,3,5-Trimethylbenzene
 Concen: 10.293 ppbv
 RT: 16.19 min Scan# 4123
 Delta R.T. -0.02 min
 Lab File: VL032523.D
 Acq: 25 Sep 2018 00:17

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0924ABS01

Tot Ion:105 Resp: 4275784
 Ion Ratio Lower Upper
 105 100
 120 44.9 37.9 56.9

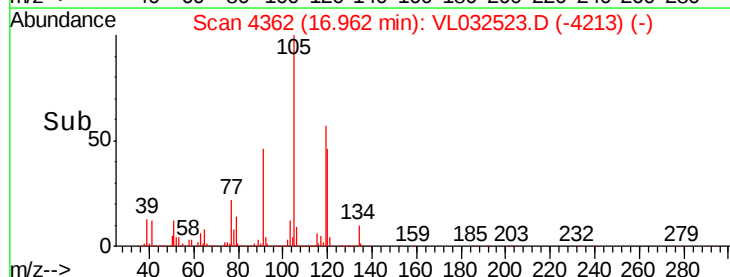
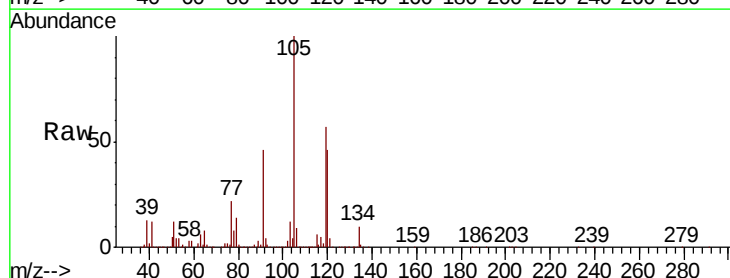
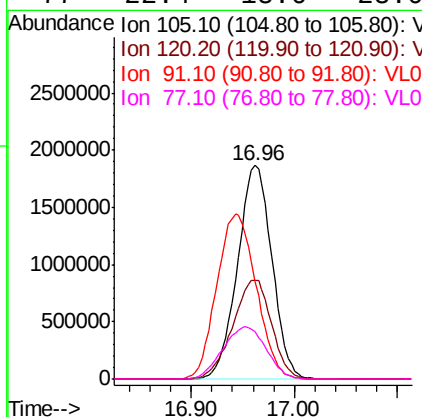
Manual Integrations
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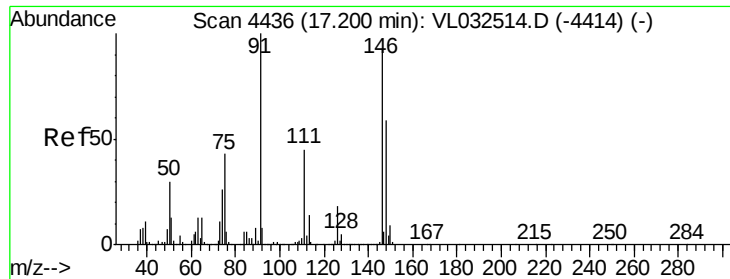
apatel
 9/26/2018 4:47:50 PM



#74
 1,2,4-Trimethylbenzene
 Concen: 9.661 ppbv
 RT: 16.96 min Scan# 4362
 Delta R.T. -0.02 min
 Lab File: VL032523.D
 Acq: 25 Sep 2018 00:17

Tgt Ion:105 Resp: 4321239
 Ion Ratio Lower Upper
 105 100
 120 46.3 37.8 56.8
 91 45.7 41.4 62.0
 77 22.4 18.6 28.0





#75

1,3-Dichlorobenzene

Concen: 8.628 ppbv

RT: 17.20 min Scan# 4437

Delta R.T. -0.02 min

Lab File: VL032523.D

Acq: 25 Sep 2018 00:17

Instrument :

MSVOA_L

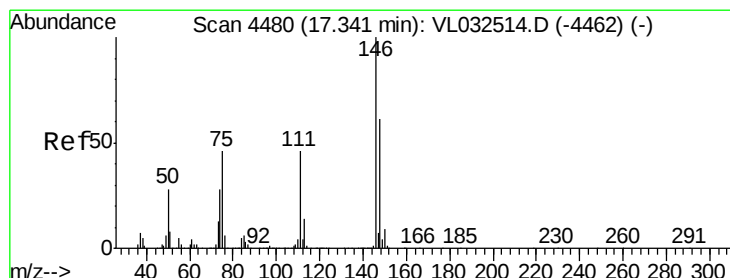
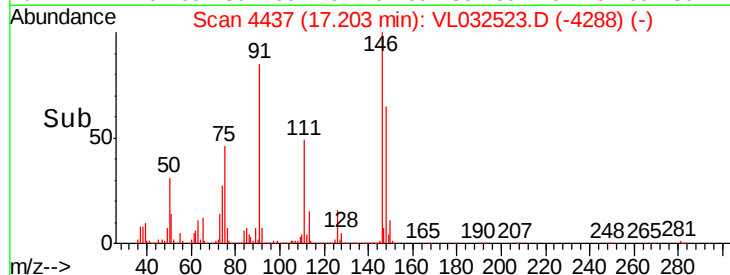
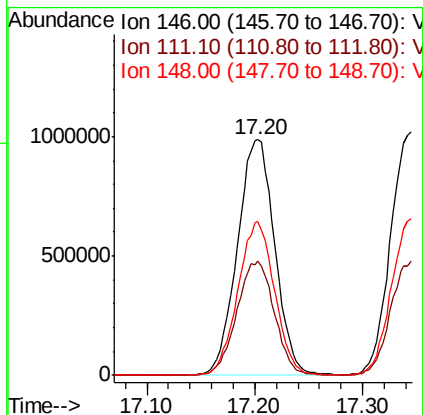
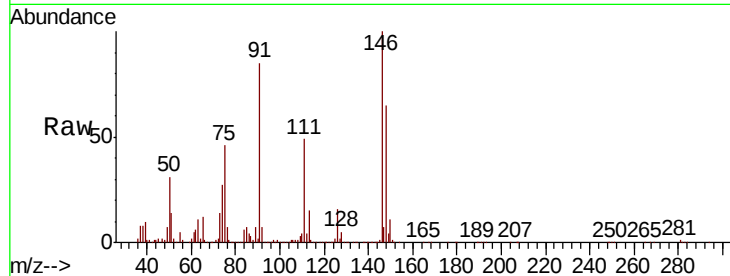
ClientSampleId :

VL0924ABS01

Tot Ion:	146	Resp:	2381311
Ion	Ratio	Lower	Upper
146	100		
111	48.8	24.5	73.5
148	63.9	32.0	96.2

Manual Integrations
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#76

1,4-Dichlorobenzene

Concen: 9.441 ppbv

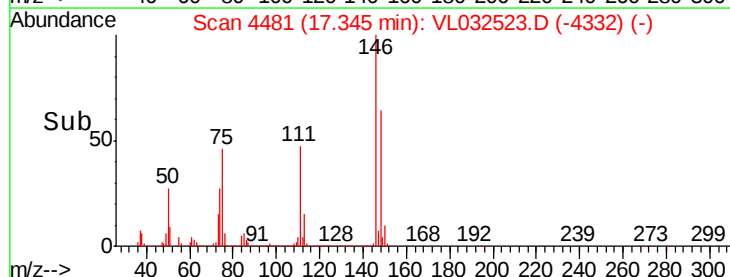
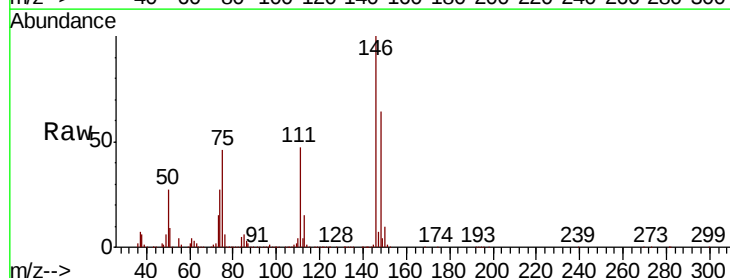
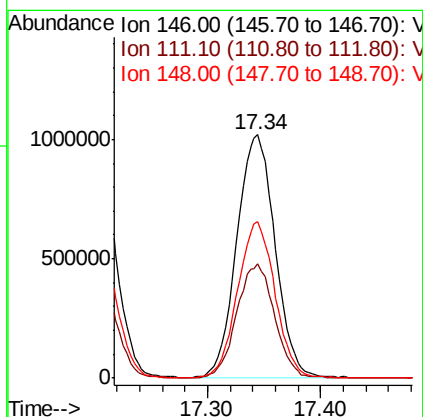
RT: 17.34 min Scan# 4481

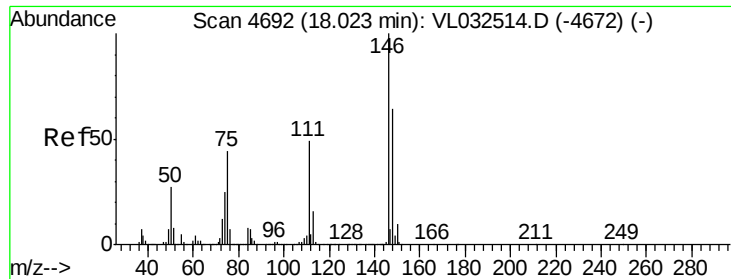
Delta R.T. -0.02 min

Lab File: VL032523.D

Acq: 25 Sep 2018 00:17

Tgt Ion:	146	Resp:	2385812
Ion	Ratio	Lower	Upper
146	100		
111	46.8	23.4	70.2
148	63.4	32.0	96.2





#77

1,2-Dichlorobenzene

Concen: 9.094 ppbv

RT: 18.03 min Scan# 4693

Delta R.T. -0.02 min

Lab File: VL032523.D

Acq: 25 Sep 2018 00:17

Instrument :

MSVOA_L

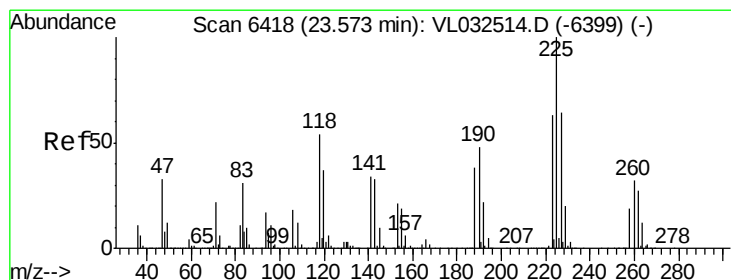
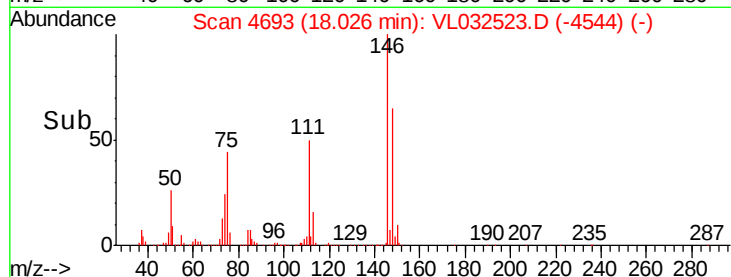
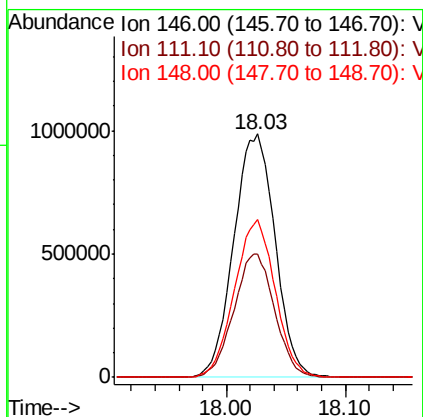
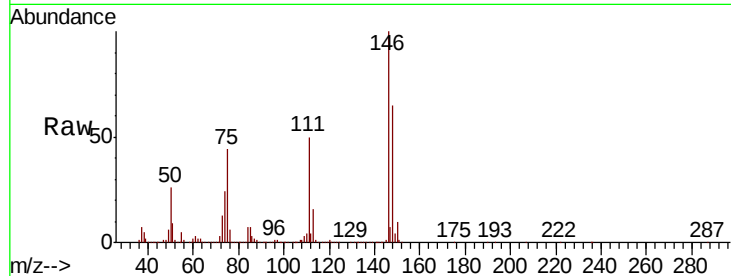
ClientSampleId :

VL0924ABS01

Tot Ion:	146	Resp:	2360463
Ion	Ratio	Lower	Upper
146	100		
111	50.2	24.9	74.8
148	63.9	32.0	96.0

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#78

Hexachloro-1,3-Butadiene

Concen: 7.822 ppbv

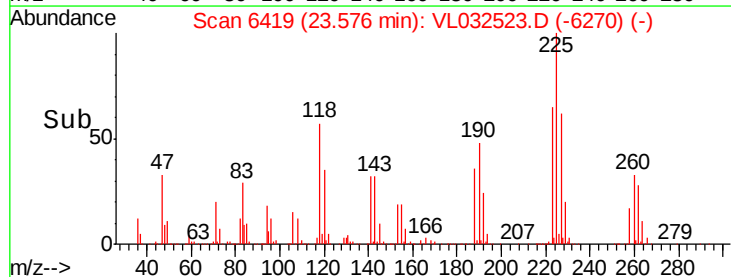
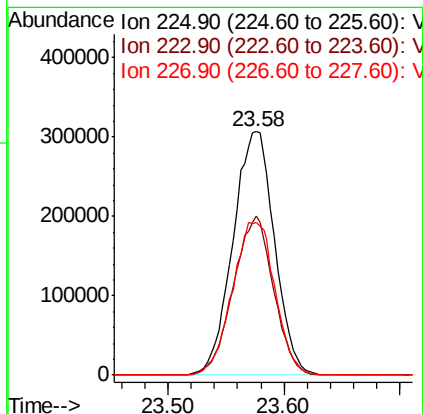
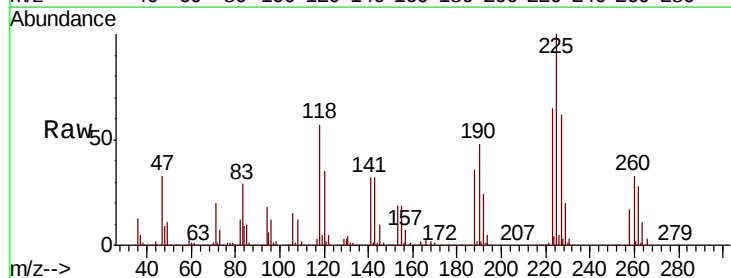
RT: 23.58 min Scan# 6419

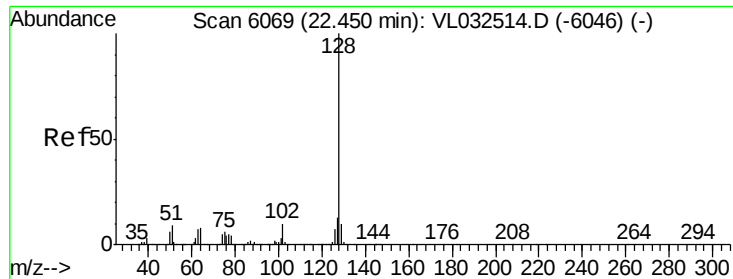
Delta R.T. -0.02 min

Lab File: VL032523.D

Acq: 25 Sep 2018 00:17

Tgt Ion:	225	Resp:	761971
Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.6	76.0
227	64.6	51.2	76.8





#79

Naphthalene

Concen: 11.597 ppbv

RT: 22.45 min Scan# 6069

Delta R.T. -0.03 min

Lab File: VL032523.D

Acq: 25 Sep 2018 00:17

Instrument :

MSVOA_L

ClientSampleId :

VL0924ABS01

Tot Ion:128 Resp: 3741039

Ion Ratio Lower Upper

128 100

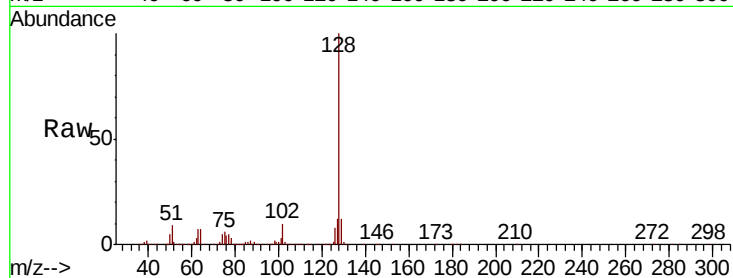
127 12.4 10.2 15.2

129 11.6 8.5 12.7

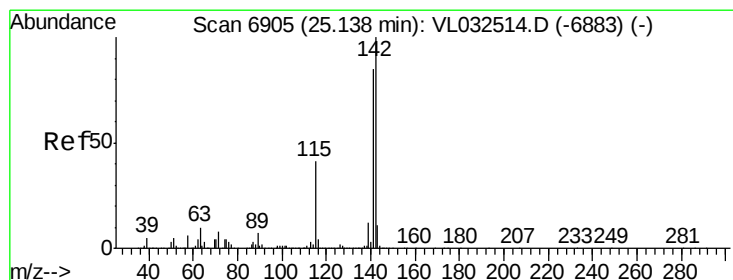
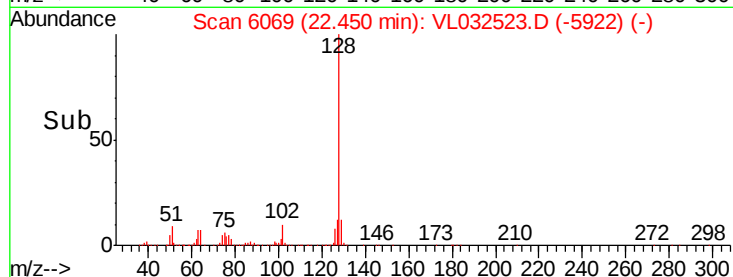
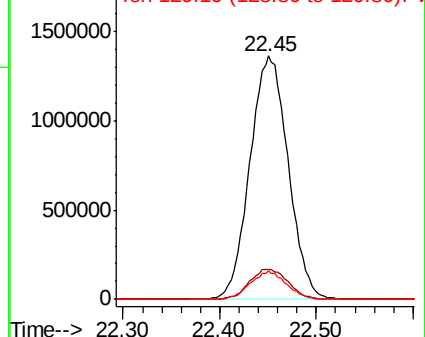
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Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 15.565 ppbv

RT: 25.14 min Scan# 6905

Delta R.T. -0.01 min

Lab File: VL032523.D

Acq: 25 Sep 2018 00:17

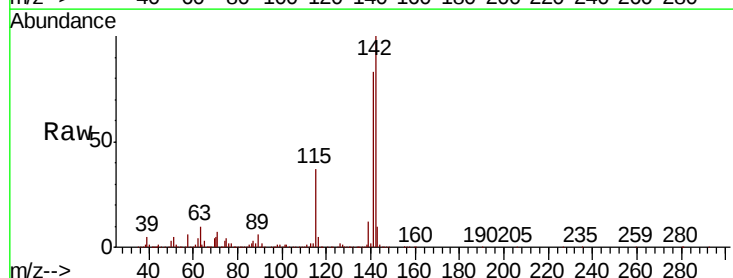
Tgt Ion:142 Resp: 1178794

Ion Ratio Lower Upper

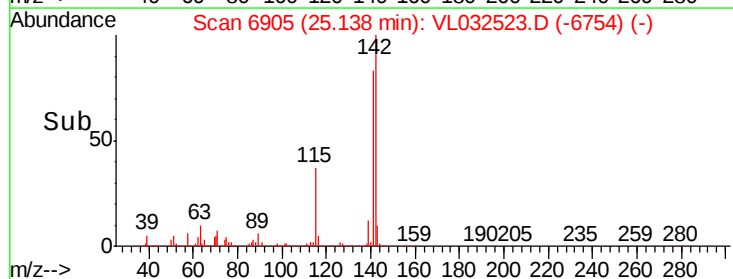
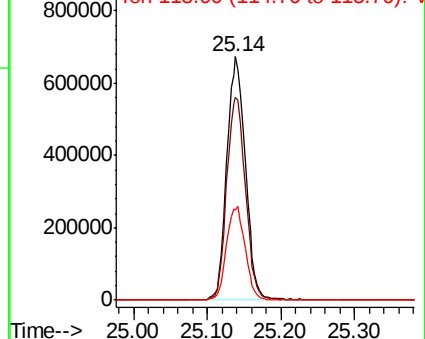
142 100

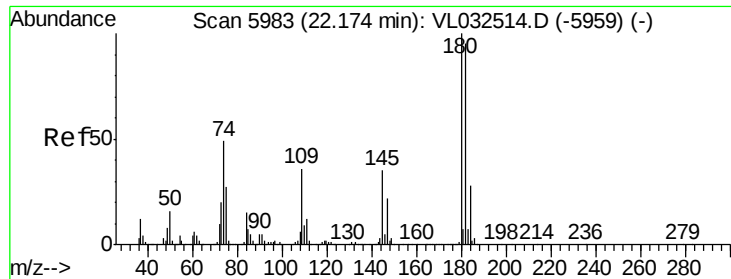
141 84.3 67.0 100.6

115 38.8 31.3 46.9



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





#81
 1,2,4-Trichlorobenzene
 Concen: 10.742 ppbv
 RT: 22.17 min Scan# 5983
 Delta R.T. -0.03 min
 Lab File: VL032523.D
 Acq: 25 Sep 2018 00:17

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0924ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	76.1	114.1
184	30.5	23.8	35.8

Manual Integrations
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