

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120718\
 Data File : VL032927.D
 Acq On : 7 Dec 2018 8:30
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL120718

Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 10:08:32 AM

Quant Time: Dec 08 02:06:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Dec 0
 QLast Update : Fri Dec 07 09:35:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1175423	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3341277	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3525077	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	2395610	9.20	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.00%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.08	85	1517605	9.672	ppbv	99
3) Chlorodifluoromethane	3.02	51	892389	10.025	ppbv	97
4) Chloromethane	3.17	50	500555	9.658	ppbv	95
5) Vinyl Chloride	3.29	62	507943	9.632	ppbv	99
6) Bromomethane	3.52	94	333644	10.116	ppbv	95
7) Chloroethane	3.60	64	192929	10.208	ppbv	96
8) Dichlorotetrafluoroethane	3.22	85	1266962	9.716	ppbv	98
9) Propene	3.04	41	387005	10.995	ppbv	97
10) Heptane	8.25	43	1541956	11.662	ppbv	99
11) Trichlorofluoromethane	4.01	101	1438892	9.733	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.56	101	1036836	8.220	ppbv	99
13) Ethanol	3.65	45	87268	7.201	ppbv	96
14) Bromoethene	3.79	108	427051	10.198	ppbv	99
15) Acetone	3.90	43	900470	8.925	ppbv	98
16) 1,3-Butadiene	3.37	39	410054	10.244	ppbv	94
17) tert-Butyl alcohol	4.36	59	248033	9.656	ppbv #	81
18) 1,1-Dichloroethene	4.35	96	454652	9.204	ppbv	97
19) Isopropyl Alcohol	4.03	45	659563	10.410	ppbv #	99
20) Methylene Chloride	4.41	84	422470	8.568	ppbv	98
21) Allyl Chloride	4.48	41	755557	9.189	ppbv	97
22) trans-1,2-Dichloroethene	4.97	96	602902	9.834	ppbv	96
23) Vinyl Acetate	5.16	43	2252839	13.188	ppbv	99
24) 1,1-Dichloroethane	5.10	63	1688443	11.367	ppbv	99
25) Ethyl Acetate	5.77	43	2357865	9.893	ppbv	99
26) Hexane	5.79	57	1083334	9.845	ppbv	98
27) Carbon Disulfide	4.62	76	1211295	8.804	ppbv	99
28) Methyl tert-Butyl Ether	5.12	73	2131023	12.895	ppbv	100
29) Chloroform	5.86	83	1712309	8.721	ppbv	96
30) Cyclohexane	7.25	84	1078330	11.824	ppbv	100
31) cis-1,2-Dichloroethene	5.64	61	1128167	11.173	ppbv	99
32) 1,1,1-Trichloroethane	6.62	97	2108106	10.148	ppbv	99
34) 2-Butanone	5.33	43	1406325	9.663	ppbv	99
35) Carbon Tetrachloride	7.14	117	2279112	8.678	ppbv	98
36) Benzene	7.01	78	2539493	10.333	ppbv	97
37) 1,2-Dichloroethane	6.42	62	1597464	9.547	ppbv	98
38) Trichloroethene	7.97	130	1025415	10.026	ppbv	99
39) 1,2-Dichloropropane	7.74	63	938231	10.066	ppbv	96
40) 1,4-Dioxane	7.96	88	334651	9.748	ppbv #	97
41) Tetrahydrofuran	6.15	42	946323	10.455	ppbv	100
42) Bromodichloromethane	7.92	83	2202108	9.499	ppbv	98
43) Methyl Methacrylate	8.14	69	997025	10.949	ppbv	99

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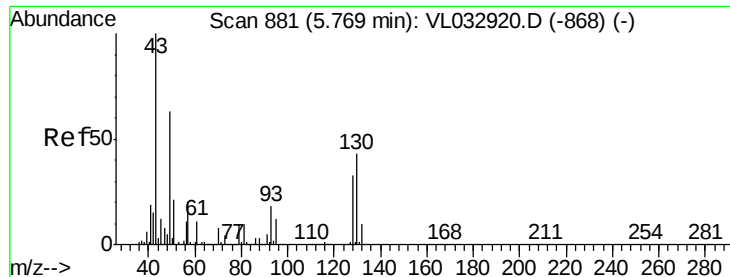
Manual Integrations
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MMDadoda
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Quant Time: Dec 08 02:06:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Dec 0
 QLast Update : Fri Dec 07 09:35:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.00	57	4209964	10.092	ppbv	99
45) t-1,3-Dichloropropene	9.42	75	1364730	12.223	ppbv	99
46) cis-1,3-Dichloropropene	8.84	75	1571616	11.500	ppbv	98
47) 1,1,2-Trichloroethane	9.62	97	1059857	10.331	ppbv	98
48) Dibromochloromethane	10.46	129	1943363	10.098	ppbv	100
49) Bromoform	13.21	173	1634661	10.327	ppbv	100
50) 4-Methyl-2-Pentanone	8.88	43	2416994	10.385	ppbv	100
51) 2-Hexanone	10.28	43	1835490	11.629	ppbv #	99
52) Tetrachloroethene	11.38	164	900166	10.070	ppbv	97
53) Toluene	9.95	91	2796118	10.728	ppbv	99
54) 1,2-Dibromoethane	10.77	107	1645509	10.268	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.29	131	1374025	8.743	ppbv	98
57) Chlorobenzene	12.31	112	2248265	8.831	ppbv	100
58) Ethyl Benzene	12.87	91	3948990	10.501	ppbv	98
59) m/p-Xylene	13.13	91	6550591m	19.214	ppbv	
60) o-Xylene	13.86	91	3168007	9.201	ppbv	99
61) Styrene	13.70	104	2395233	10.458	ppbv	99
62) Isopropylbenzene	14.84	105	4619527	9.617	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.84	83	2180009	8.154	ppbv	100
64) n-propylbenzene	15.73	120	1191113	9.547	ppbv	97
65) tert-Butylbenzene	16.92	119	4083984	9.171	ppbv	100
66) Benzyl Chloride	17.16	91	2425587	9.827	ppbv	99
67) sec-Butylbenzene	17.47	105	6249475	9.518	ppbv	100
69) p-Isopropyltoluene	17.83	119	5160131	9.698	ppbv	100
70) n-Butylbenzene	18.72	91	4880777	9.970	ppbv	100
71) 2-Chlorotoluene	15.62	91	3420166	9.574	ppbv	99
72) 4-Ethyltoluene	16.01	105	4039991	10.510	ppbv	99
73) 1,3,5-Trimethylbenzene	16.16	105	3849298	10.258	ppbv	99
74) 1,2,4-Trimethylbenzene	16.94	105	3697920	8.727	ppbv	94
75) 1,3-Dichlorobenzene	17.18	146	2094066	8.392	ppbv	100
76) 1,4-Dichlorobenzene	17.32	146	2065409	8.871	ppbv	100
77) 1,2-Dichlorobenzene	18.00	146	2225756	9.552	ppbv	99
78) Hexachloro-1,3-Butadiene	23.55	225	1285726	10.033	ppbv	99
79) Naphthalene	22.42	128	3108481	11.362	ppbv	99
80) Naphthalene,2-methyl-	25.12	142	870229	14.887	ppbv	99
81) 1,2,4-Trichlorobenzene	22.15	180	1544861	10.647	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 881

Delta R.T. 0.00 min

Lab File: VL032927.D

Acq: 7 Dec 2018 8:30

Instrument :

MSVOA_L

ClientSampleId :

ICVVL120718

Tgt Ion: 49 Resp: 1175423

Ion Ratio Lower Upper

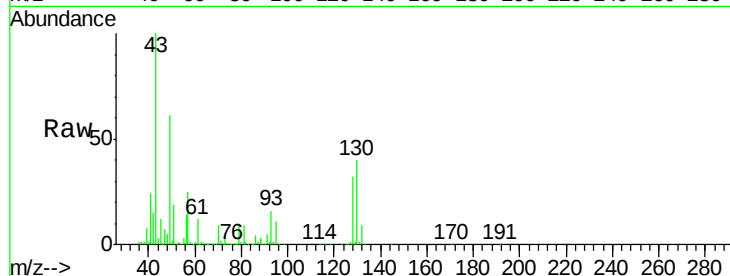
49 100

128 52.6 26.3 78.8

130 66.3 33.9 101.7

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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

5.77

800000

600000

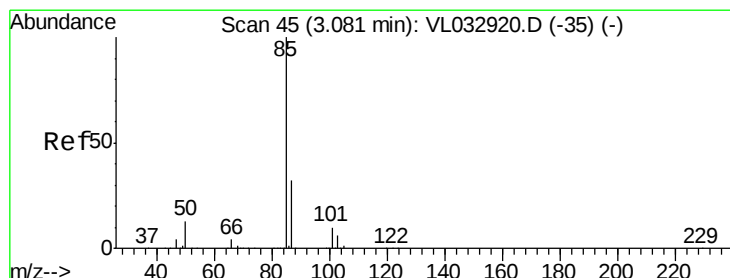
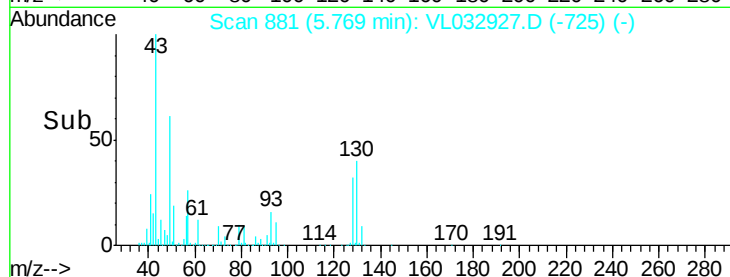
400000

200000

0

5.70 5.75 5.80 5.85

Time-->



#2

Dichlorodifluoromethane

Concen: 9.672 ppbv

RT: 3.08 min Scan# 45

Delta R.T. 0.00 min

Lab File: VL032927.D

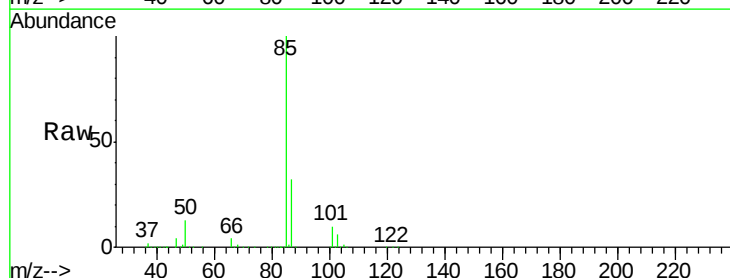
Acq: 7 Dec 2018 8:30

Tgt Ion: 85 Resp: 1517605

Ion Ratio Lower Upper

85 100

87 32.4 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.08

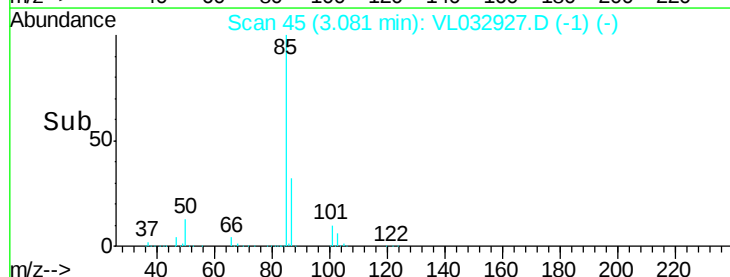
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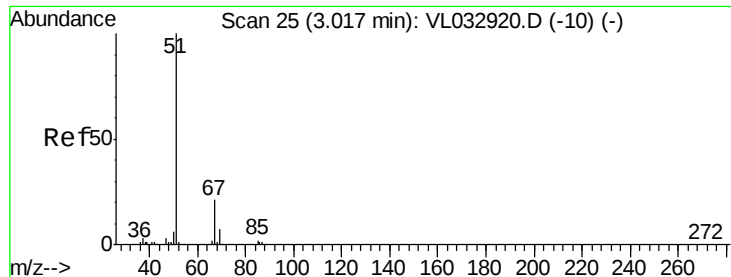
500000

0

3.05 3.10 3.15

Time-->





#3

Chlorodifluoromethane

Concen: 10.025 ppbv

RT: 3.02 min Scan# 25

Delta R.T. 0.00 min

Lab File: VL032927.D

Acq: 7 Dec 2018 8:30

Instrument :

MSVOA_L

ClientSampleId :

ICVVL120718

Tgt Ion: 51 Resp: 892389

Ion Ratio Lower Upper

51 100

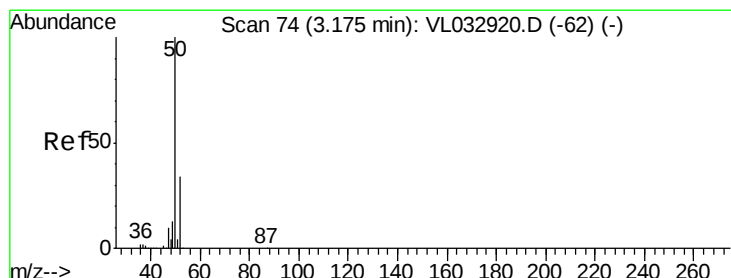
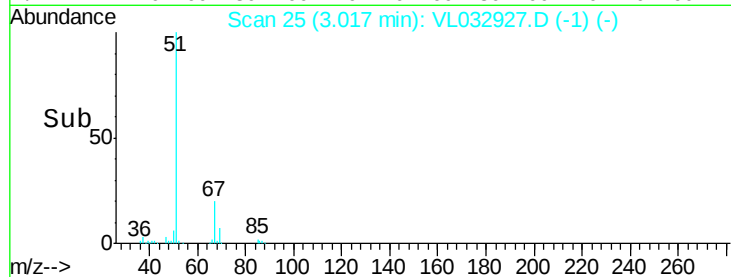
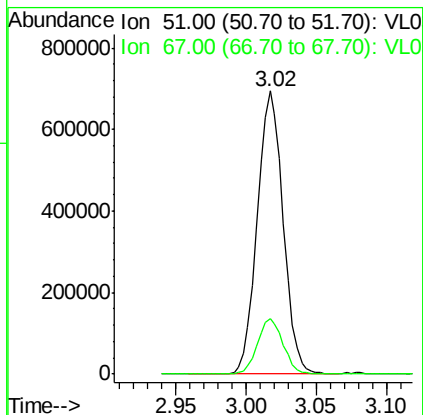
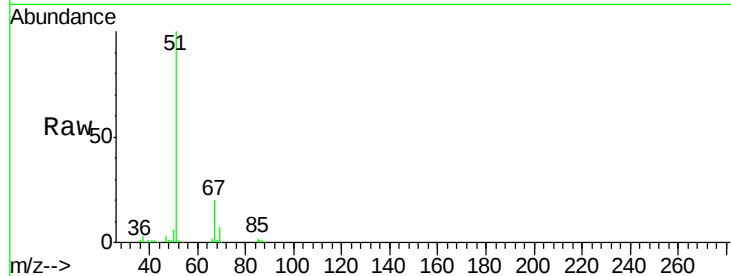
67 19.5 16.8 25.2

Manual Integrations

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#4

Chloromethane

Concen: 9.658 ppbv

RT: 3.17 min Scan# 74

Delta R.T. 0.00 min

Lab File: VL032927.D

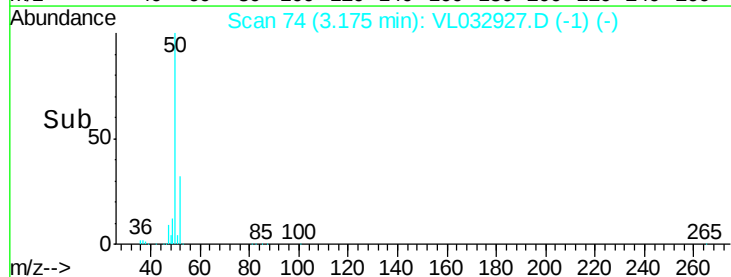
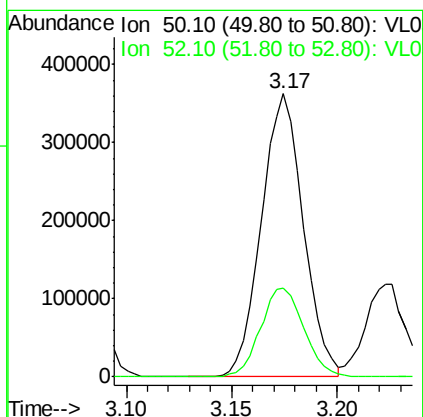
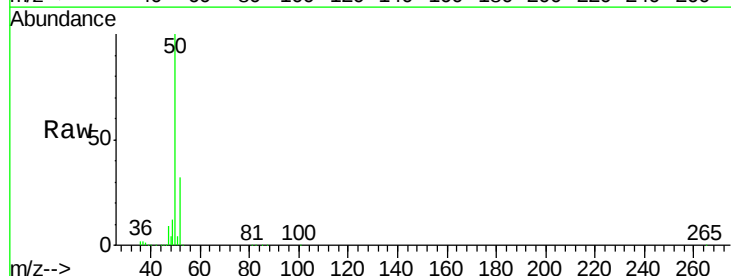
Acq: 7 Dec 2018 8:30

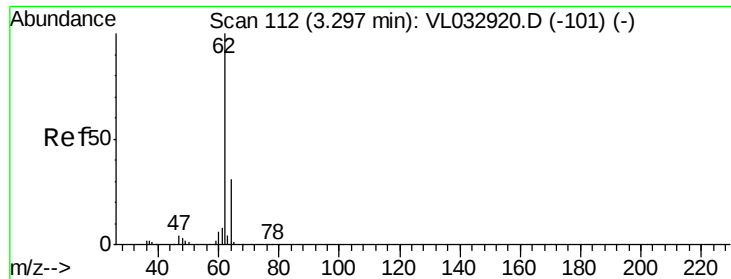
Tgt Ion: 50 Resp: 500555

Ion Ratio Lower Upper

50 100

52 31.5 27.3 40.9





#5

Vinyl Chloride

Concen: 9.632 ppbv

RT: 3.29 min Scan# 111

Delta R.T. -0.00 min

Lab File: VL032927.D

Acq: 7 Dec 2018 8:30

Instrument :

MSVOA_L

ClientSampleId :

ICVVL120718

Tgt Ion: 62 Resp: 507943

Ion Ratio Lower Upper

62 100

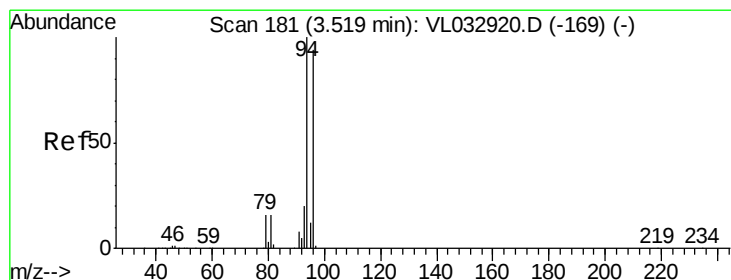
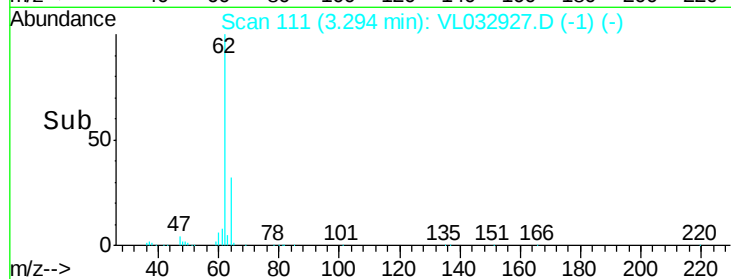
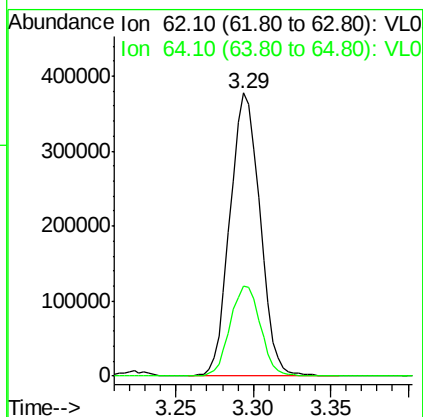
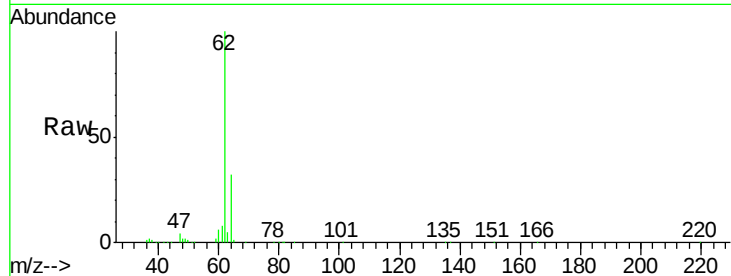
64 31.7 24.8 37.2

Manual Integrations

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#6

Bromomethane

Concen: 10.116 ppbv

RT: 3.52 min Scan# 181

Delta R.T. 0.00 min

Lab File: VL032927.D

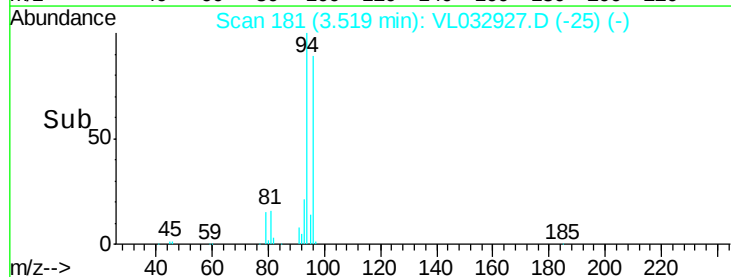
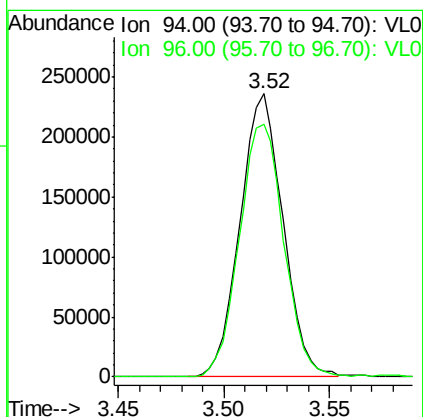
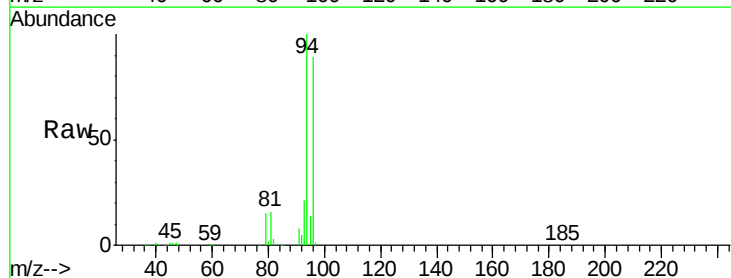
Acq: 7 Dec 2018 8:30

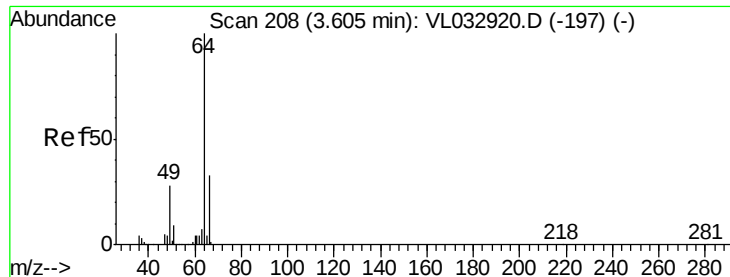
Tgt Ion: 94 Resp: 333644

Ion Ratio Lower Upper

94 100

96 89.3 75.5 113.3





#7

Chloroethane

Concen: 10.208 ppbv

RT: 3.60 min Scan# 207

Delta R.T. -0.00 min

Lab File: VL032927.D

Acq: 7 Dec 2018 8:30

Instrument :

MSVOA_L

ClientSampleId :

ICVVL120718

Tgt Ion: 64 Resp: 192929

Ion Ratio Lower Upper

64 100

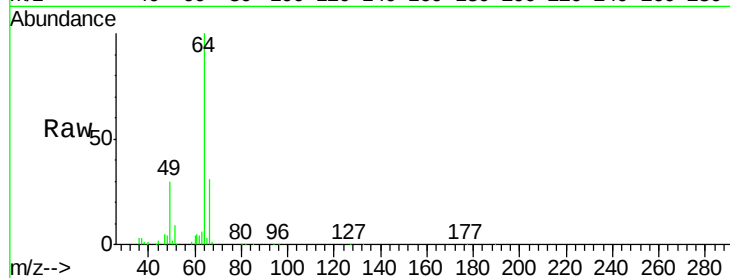
66 31.1 26.6 40.0

Manual Integrations

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.60

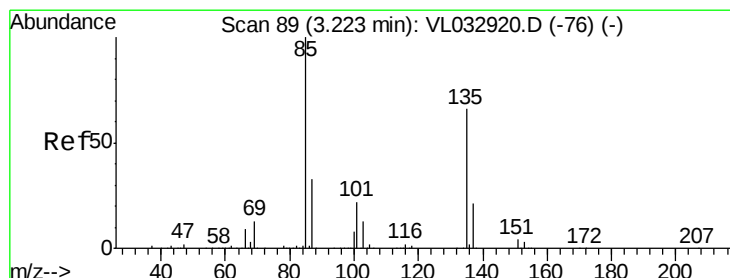
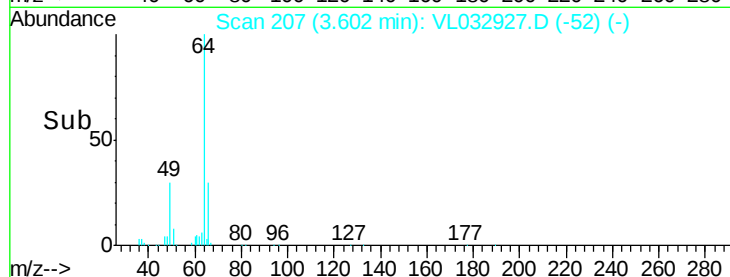
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.716 ppbv

RT: 3.22 min Scan# 89

Delta R.T. 0.00 min

Lab File: VL032927.D

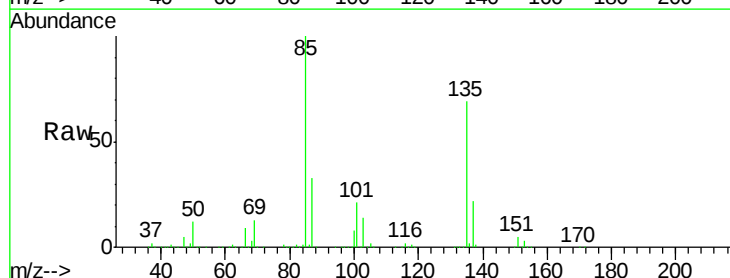
Acq: 7 Dec 2018 8:30

Tgt Ion: 85 Resp: 1266962

Ion Ratio Lower Upper

85 100

135 69.6 54.5 81.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.22

1000000

800000

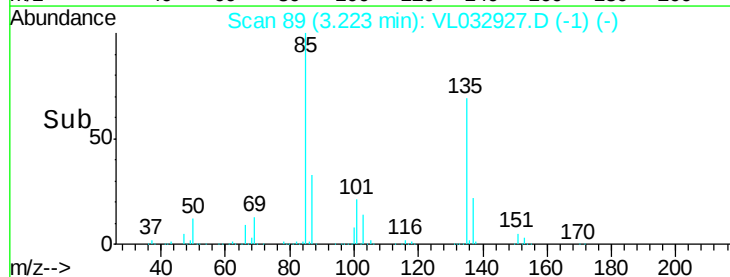
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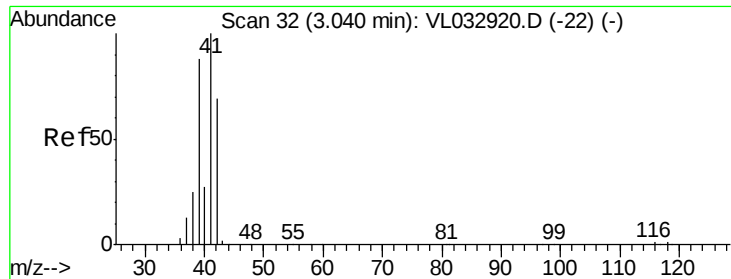
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200000

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Time-->





#9

Propene

Concen: 10.995 ppbv

RT: 3.04 min Scan# 32

Delta R.T. 0.00 min

Lab File: VL032927.D

Acq: 7 Dec 2018 8:30

Instrument :

MSVOA_L

ClientSampleId :

ICVVL120718

Tgt Ion: 41 Resp: 387005

Ion Ratio Lower Upper

41 100

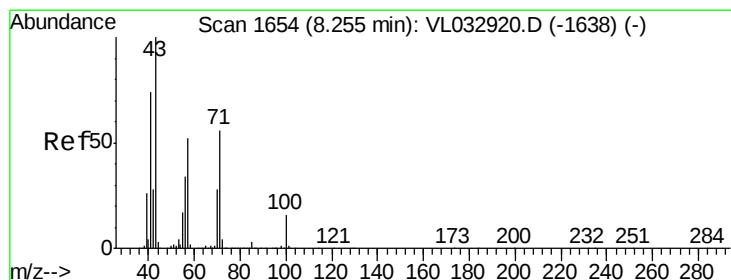
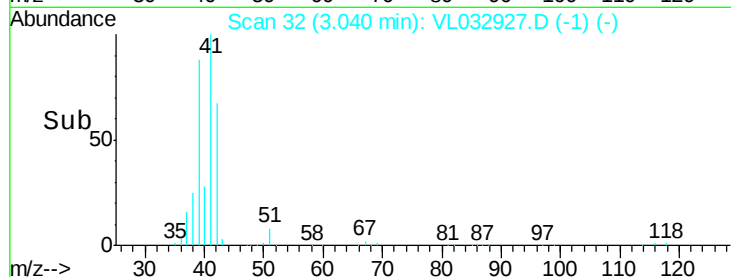
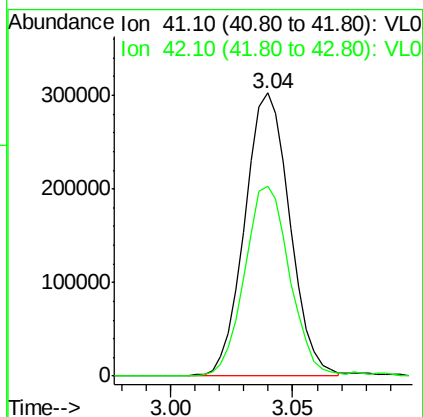
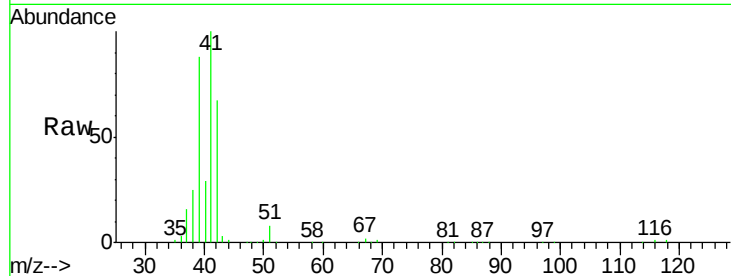
42 67.9 56.2 84.2

Manual Integrations

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#10

Heptane

Concen: 11.662 ppbv

RT: 8.25 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VL032927.D

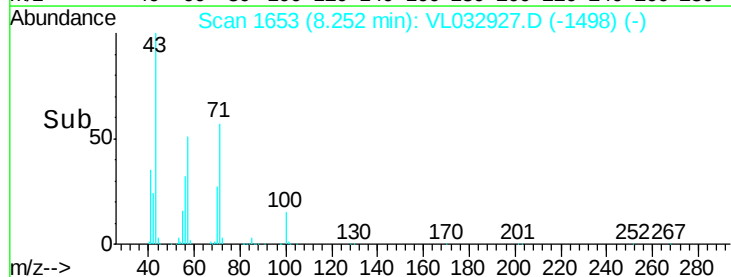
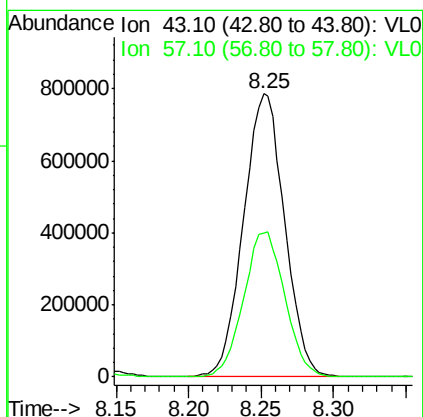
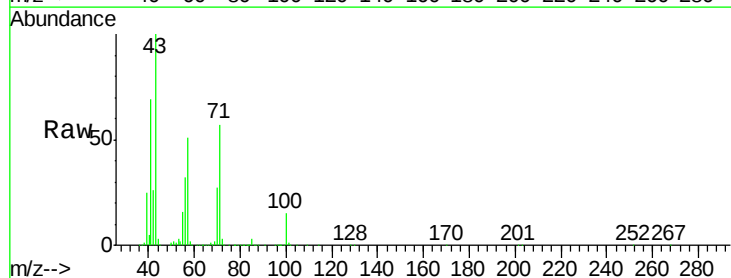
Acq: 7 Dec 2018 8:30

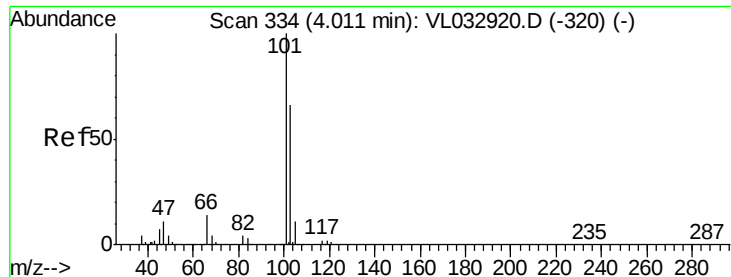
Tgt Ion: 43 Resp: 1541956

Ion Ratio Lower Upper

43 100

57 51.8 41.8 62.6





#11

Trichlorofluoromethane

Concen: 9.733 ppbv

RT: 4.01 min Scan# 333

Delta R.T. -0.00 min

Lab File: VL032927.D

Acq: 7 Dec 2018 8:30

Instrument :

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ClientSampleId :

ICVVL120718

Tgt Ion:101 Resp: 1438892

Ion Ratio Lower Upper

101 100

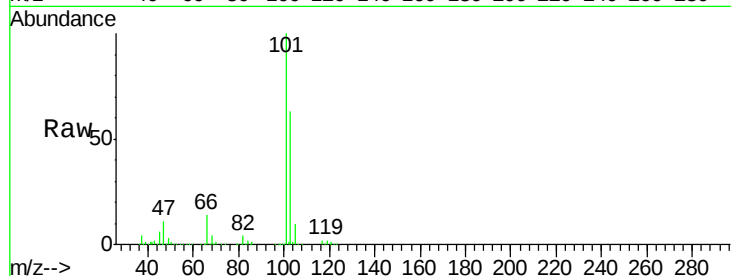
103 62.5 52.7 79.1

Manual Integrations

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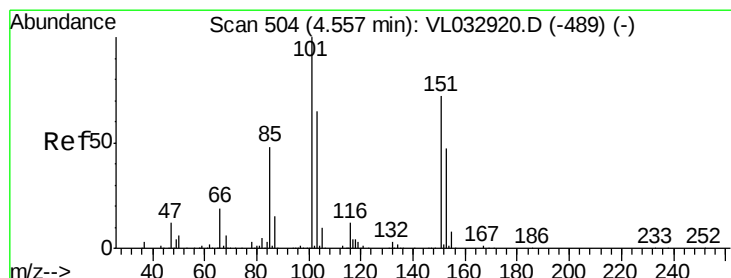
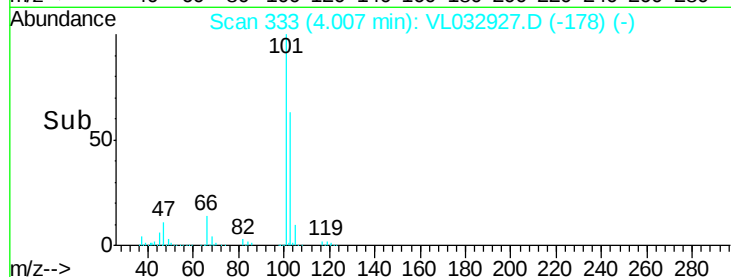
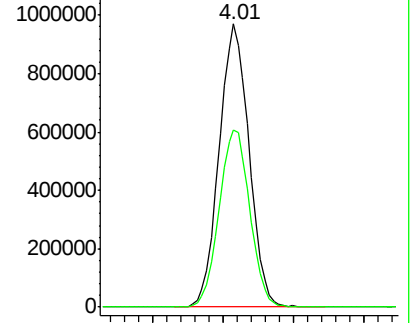
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 8.220 ppbv

RT: 4.56 min Scan# 504

Delta R.T. 0.00 min

Lab File: VL032927.D

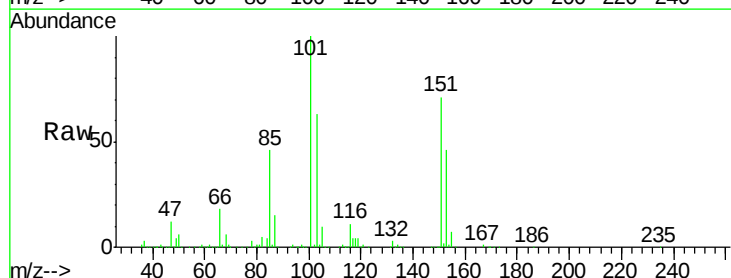
Acq: 7 Dec 2018 8:30

Tgt Ion:101 Resp: 1036836

Ion Ratio Lower Upper

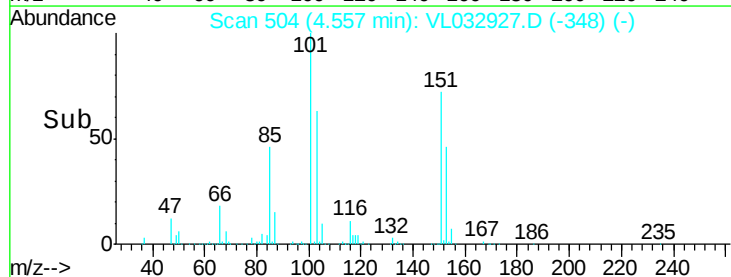
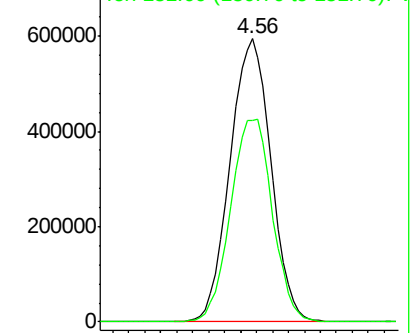
101 100

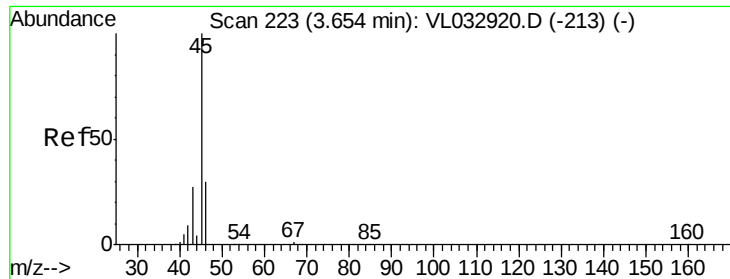
151 73.4 59.3 88.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 7.201 ppbv

RT: 3.65 min Scan# 222

Delta R.T. -0.00 min

Lab File: VL032927.D

Acq: 7 Dec 2018 8:30

Instrument :

MSVOA_L

ClientSampleId :

ICVVL120718

Tgt Ion: 45 Resp: 87268

Ion Ratio Lower Upper

45 100

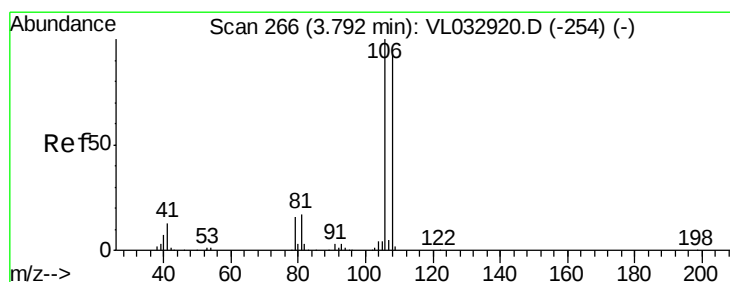
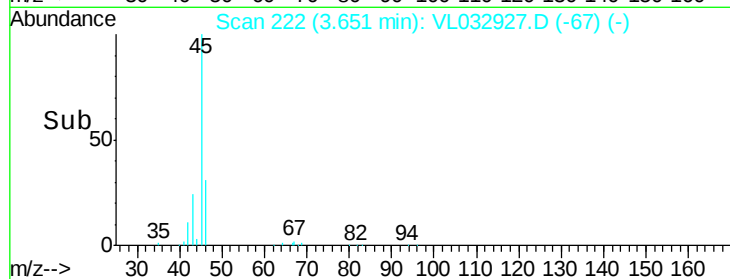
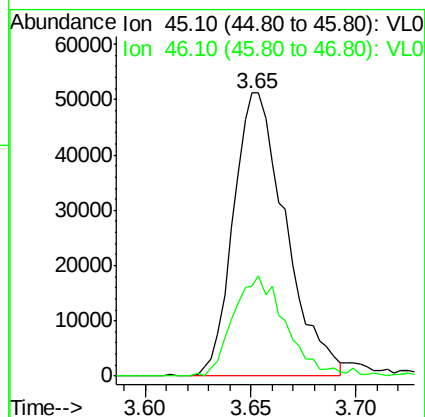
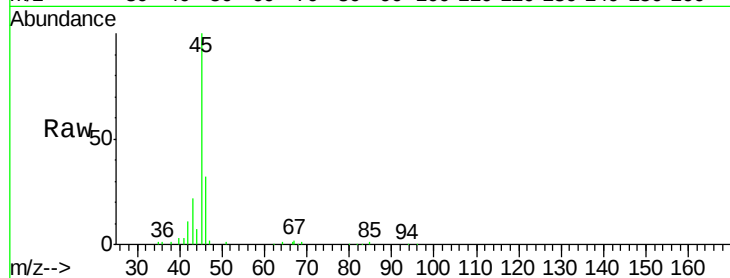
46 36.7 13.8 55.4

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#14

Bromoethene

Concen: 10.198 ppbv

RT: 3.79 min Scan# 266

Delta R.T. 0.00 min

Lab File: VL032927.D

Acq: 7 Dec 2018 8:30

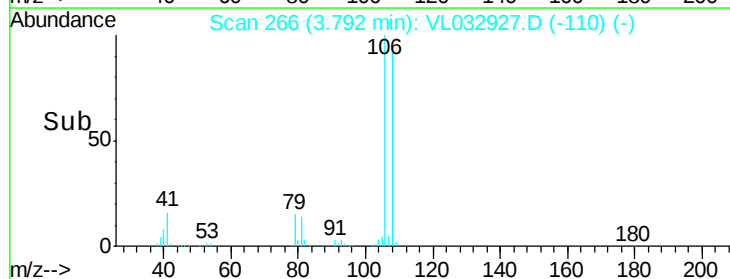
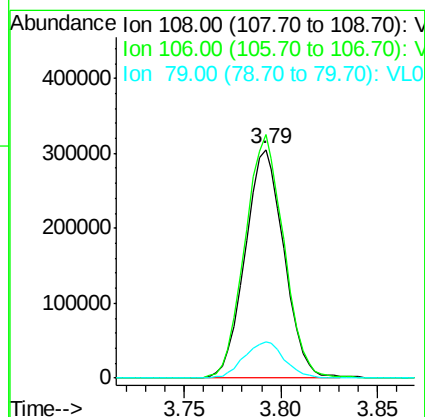
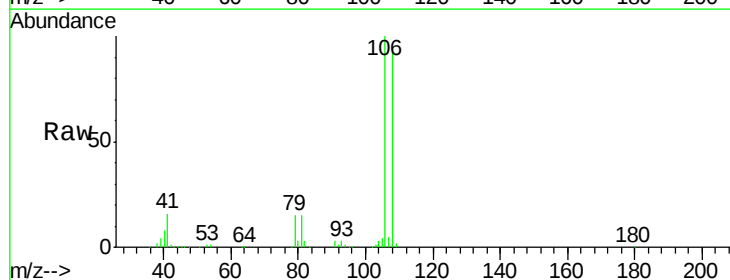
Tgt Ion: 108 Resp: 427051

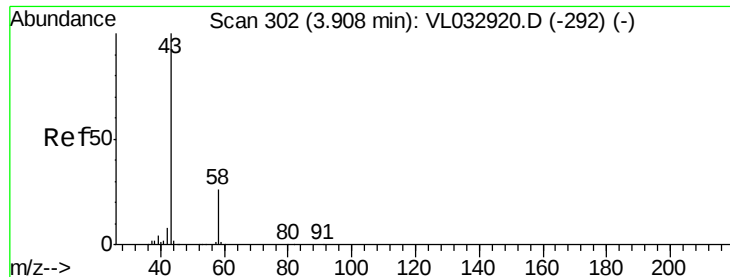
Ion Ratio Lower Upper

108 100

106 107.1 85.4 128.2

79 16.7 14.6 21.8





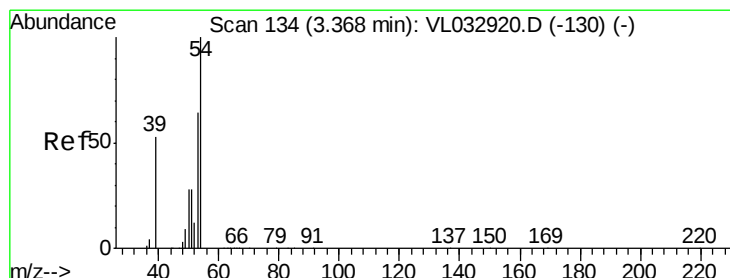
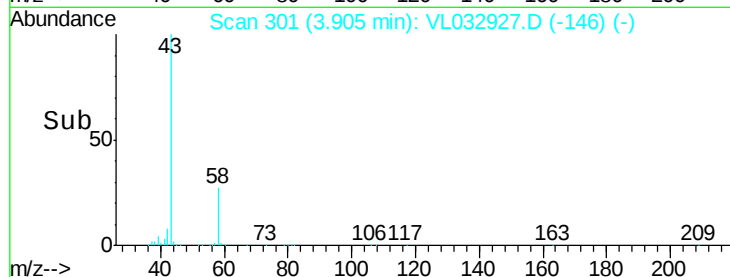
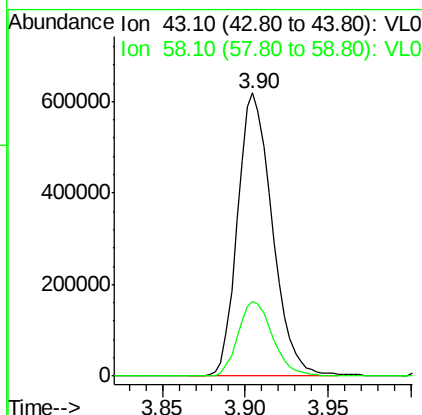
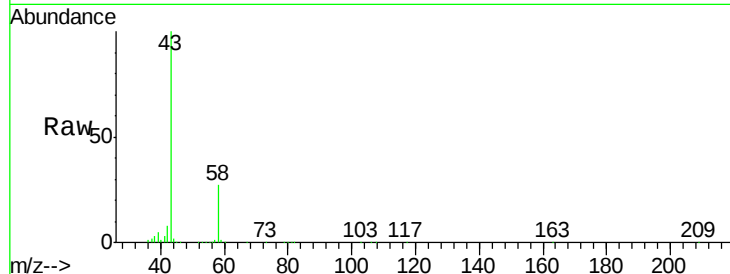
#15
Acetone
Concen: 8.925 ppbv
RT: 3.90 min Scan# 301
Delta R.T. -0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Instrument :
MSVOA_L
ClientSampleId :
ICVVL120718

Tgt Ion: 43 Resp: 900470
Ion Ratio Lower Upper
43 100
58 26.6 20.6 30.8

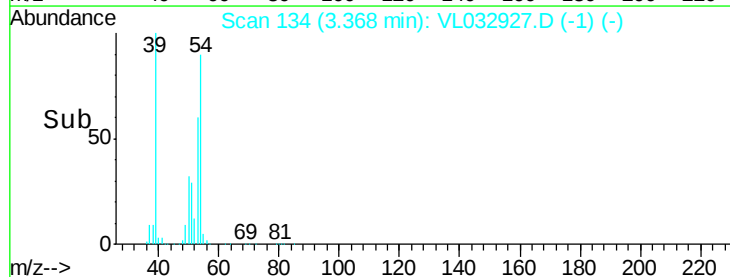
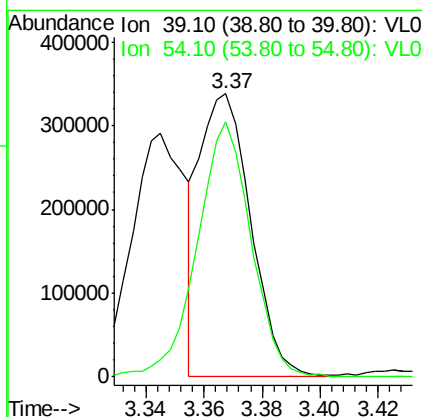
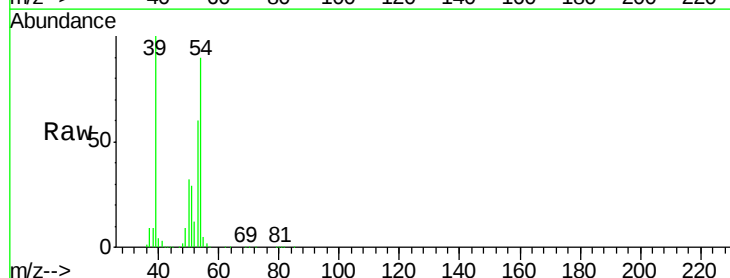
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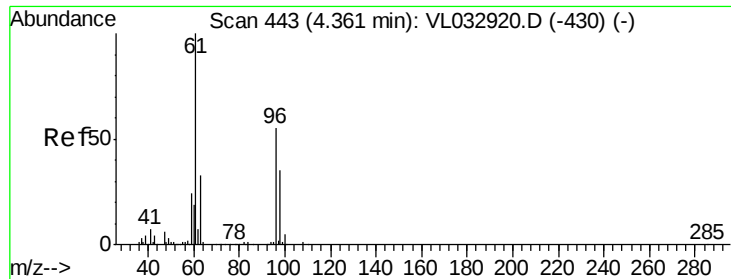
MMDadoda
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#16
1,3-Butadiene
Concen: 10.244 ppbv
RT: 3.37 min Scan# 134
Delta R.T. 0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Tgt Ion: 39 Resp: 410054
Ion Ratio Lower Upper
39 100
54 96.4 72.7 109.1





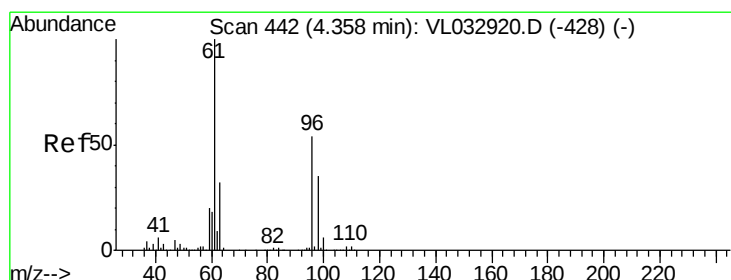
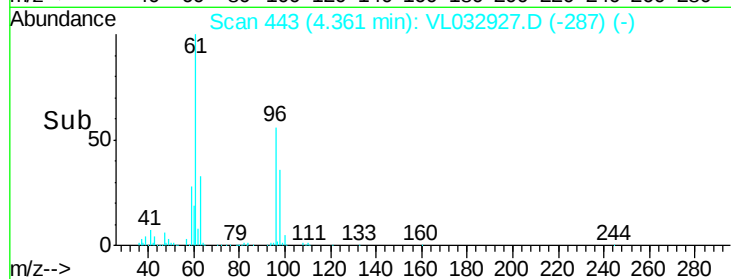
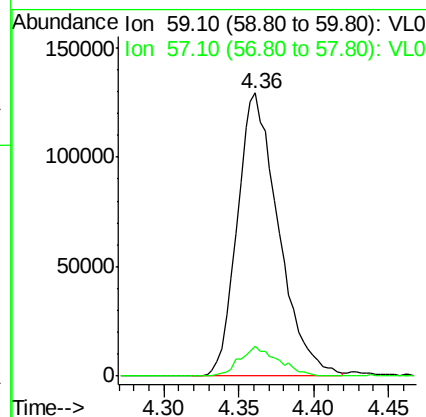
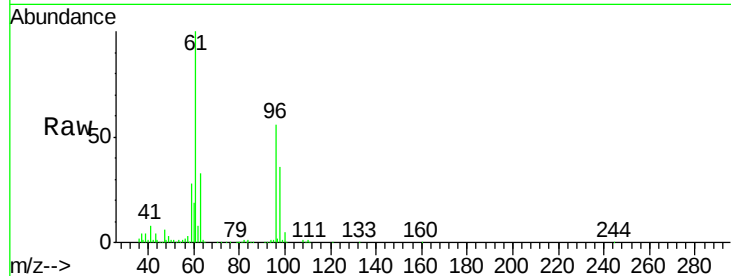
#17
 tert-Butyl alcohol
 Concen: 9.656 ppbv
 RT: 4.36 min Scan# 443
 Delta R.T. 0.00 min
 Lab File: VL032927.D
 Acq: 7 Dec 2018 8:30

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL120718

Tgt Ion: 59 Resp: 248033
 Ion Ratio Lower Upper
 59 100
 57 10.0 0.6 1.0#

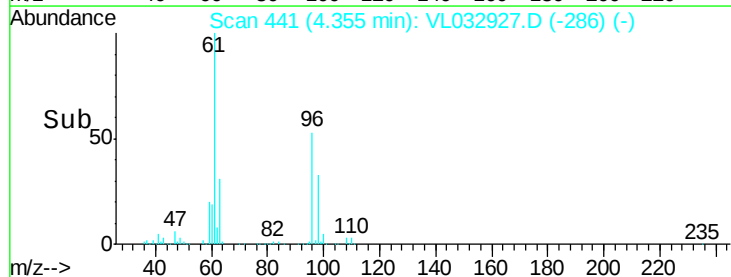
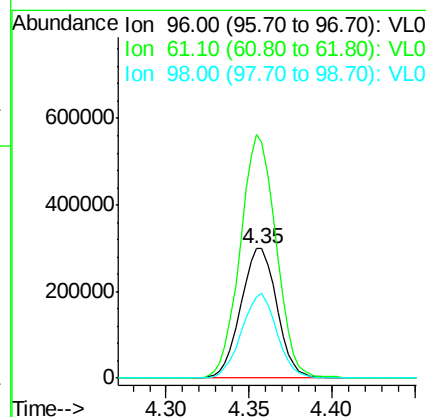
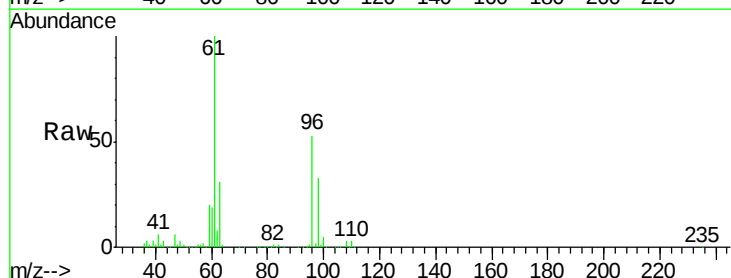
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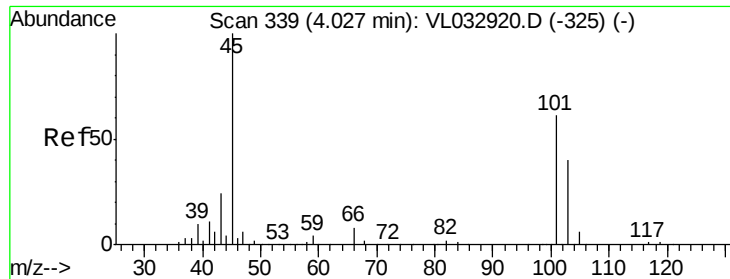
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#18
 1,1-Dichloroethene
 Concen: 9.204 ppbv
 RT: 4.35 min Scan# 441
 Delta R.T. -0.00 min
 Lab File: VL032927.D
 Acq: 7 Dec 2018 8:30

Tgt Ion: 96 Resp: 454652
 Ion Ratio Lower Upper
 96 100
 61 188.2 147.0 220.4
 98 62.6 50.7 76.1





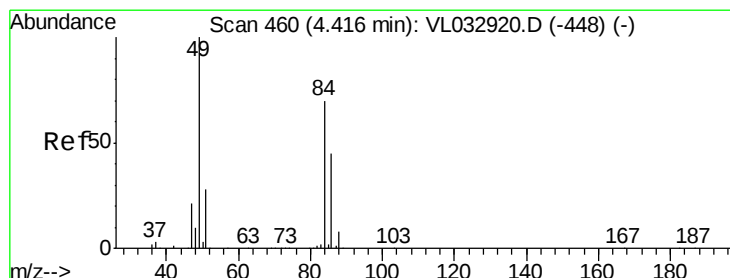
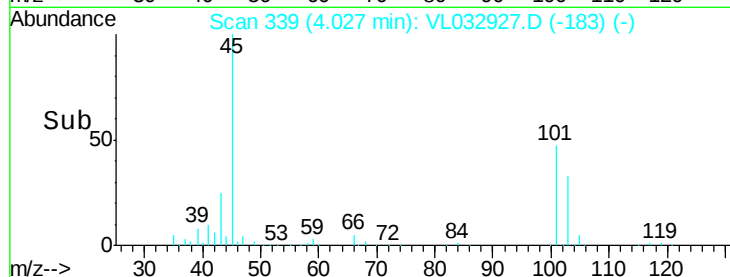
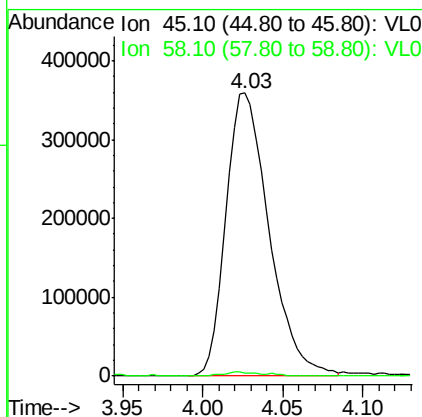
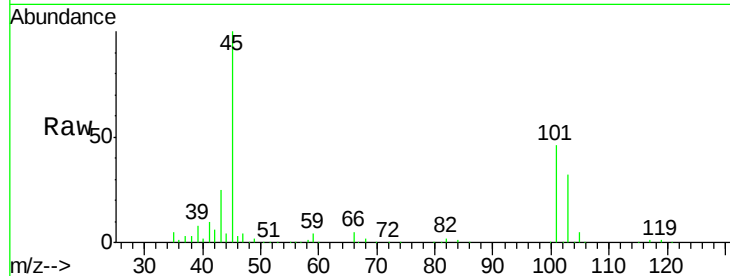
#19
Isopropyl Alcohol
Concen: 10.410 ppbv
RT: 4.03 min Scan# 339
Delta R.T. 0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Instrument :
MSVOA_L
ClientSampleId :
ICVVL120718

Tgt Ion: 45 Resp: 659563
Ion Ratio Lower Upper
45 100
58 1.4 1.4 2.2#

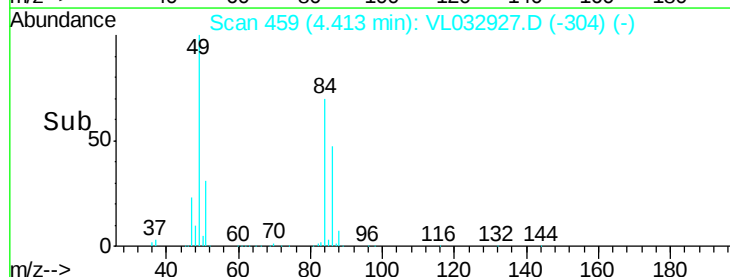
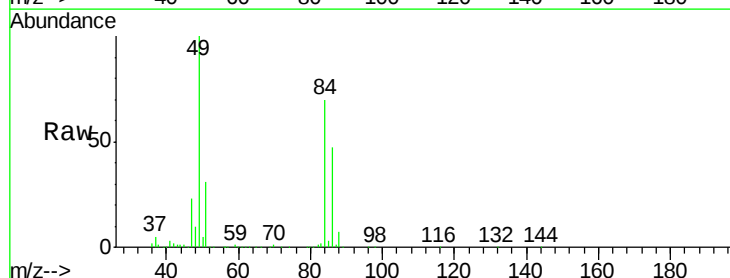
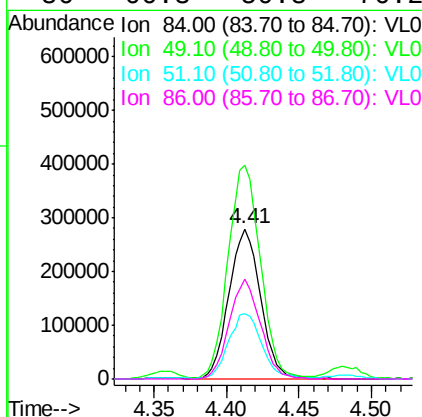
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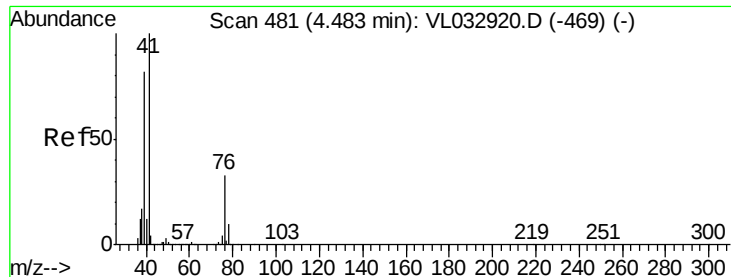
MMDadoda
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#20
Methylene Chloride
Concen: 8.568 ppbv
RT: 4.41 min Scan# 459
Delta R.T. -0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Tgt Ion: 84 Resp: 422470
Ion Ratio Lower Upper
84 100
49 141.4 113.8 170.8
51 42.9 31.8 47.8
86 66.3 50.8 76.2





#21

Allyl Chloride

Concen: 9.189 ppbv

RT: 4.48 min Scan# 481

Delta R.T. 0.00 min

Lab File: VL032927.D

Acq: 7 Dec 2018 8:30

Instrument :

MSVOA_L

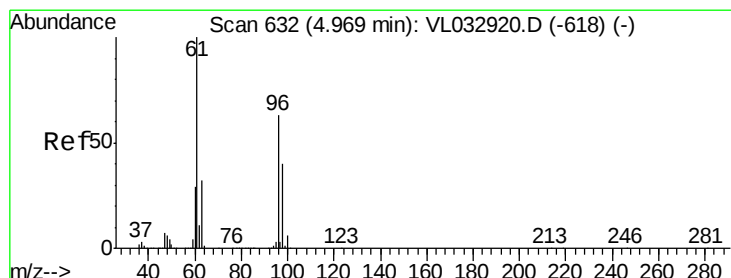
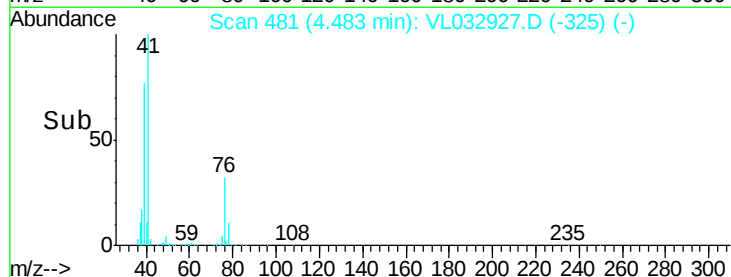
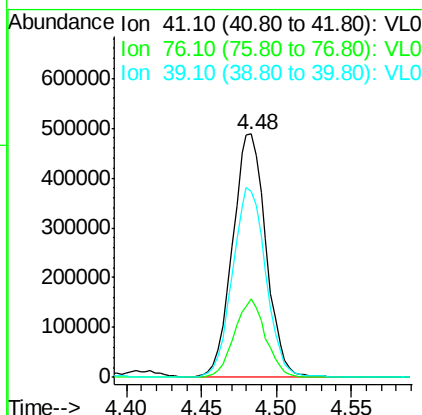
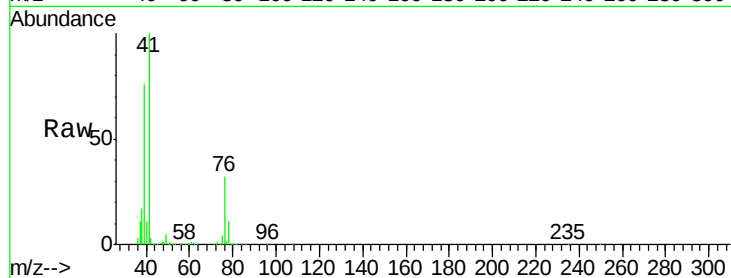
ClientSampleId :

ICVVL120718

Tgt Ion:	41	Resp:	75557
Ion Ratio	Lower	Upper	
41	100		
76	30.2	25.2	37.8
39	78.2	65.2	97.8

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#22

trans-1,2-Dichloroethene

Concen: 9.834 ppbv

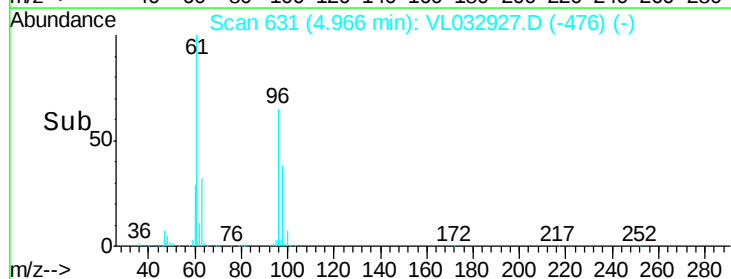
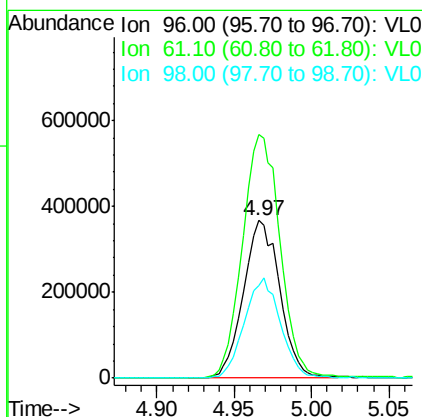
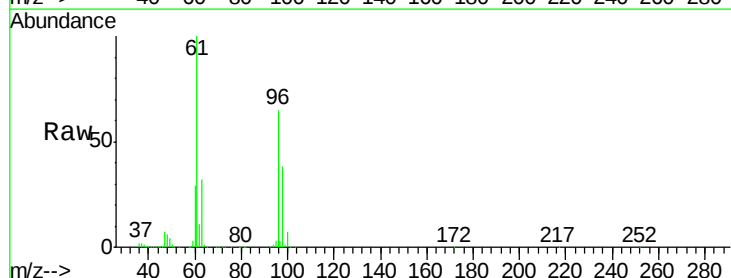
RT: 4.97 min Scan# 631

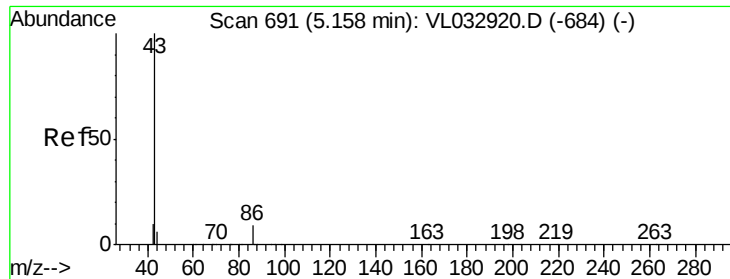
Delta R.T. -0.00 min

Lab File: VL032927.D

Acq: 7 Dec 2018 8:30

Tgt Ion:	96	Resp:	602902
Ion Ratio	Lower	Upper	
96	100		
61	154.5	127.1	190.7
98	58.7	51.3	76.9





#23

Vinyl Acetate

Concen: 13.188 ppbv

RT: 5.16 min Scan# 691

Delta R.T. 0.00 min

Lab File: VL032927.D

Acq: 7 Dec 2018 8:30

Instrument :

MSVOA_L

ClientSampleId :

ICVVL120718

Tgt Ion: 43 Resp: 2252839

Ion Ratio Lower Upper

43 100

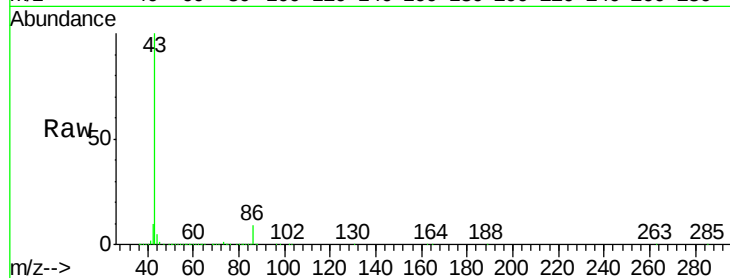
86 8.8 6.6 9.8

42 9.8 8.3 12.5

44 5.2 4.2 6.4

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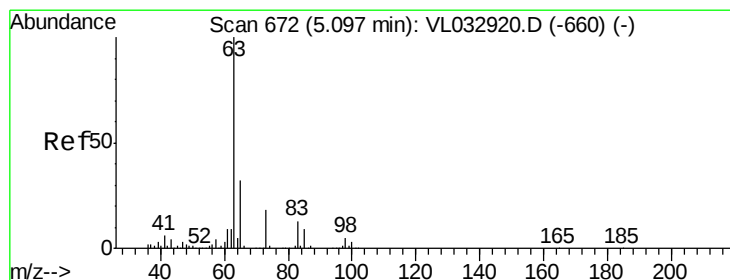
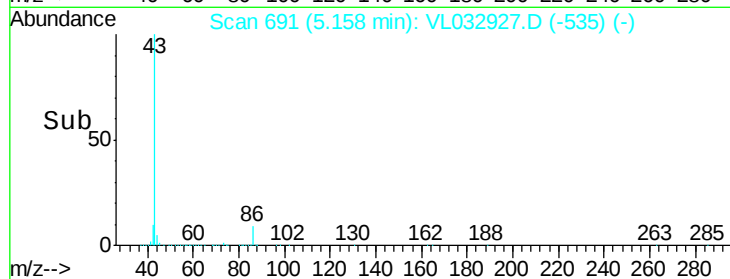
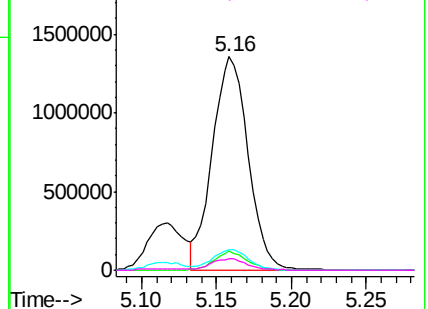


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 11.367 ppbv

RT: 5.10 min Scan# 672

Delta R.T. 0.00 min

Lab File: VL032927.D

Acq: 7 Dec 2018 8:30

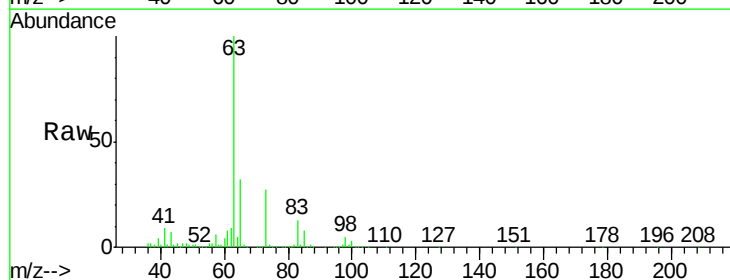
Tgt Ion: 63 Resp: 1688443

Ion Ratio Lower Upper

63 100

98 4.7 2.5 7.5

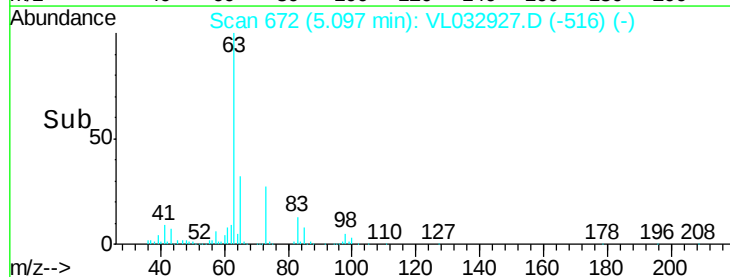
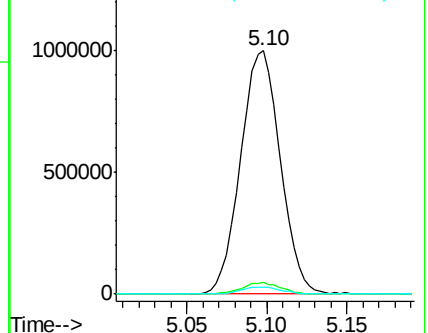
100 2.8 1.4 4.2

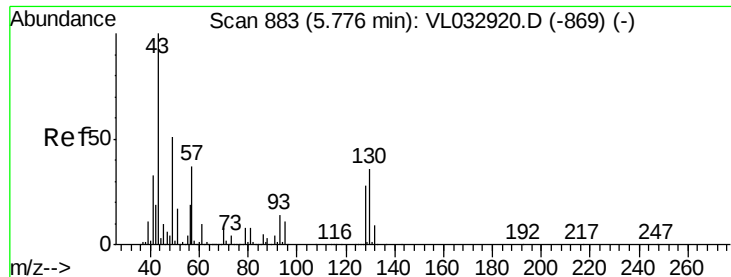


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 9.893 ppbv

RT: 5.77 min Scan# 882

Delta R.T. -0.00 min

Lab File: VL032927.D

Acq: 7 Dec 2018 8:30

Instrument :

MSVOA_L

ClientSampleId :

ICVVL120718

Tgt Ion: 43 Resp: 2357865

Ion Ratio Lower Upper

43 100

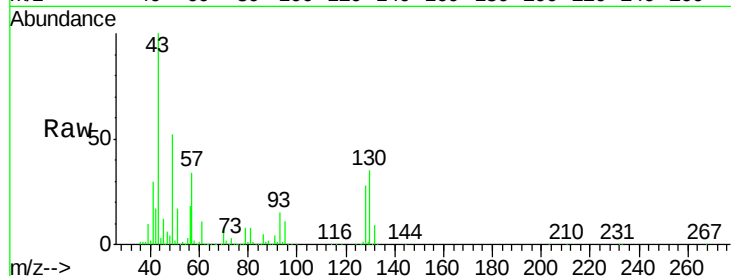
45 9.8 7.8 11.6

61 9.6 7.4 11.2

70 7.3 5.7 8.5

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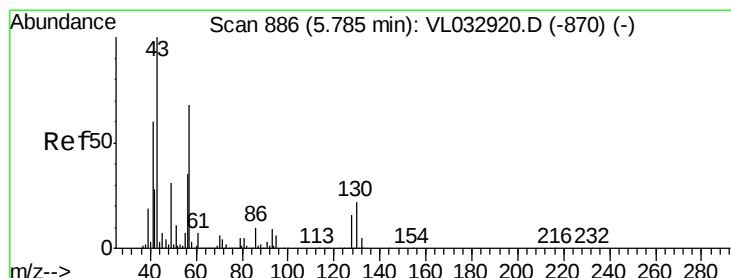
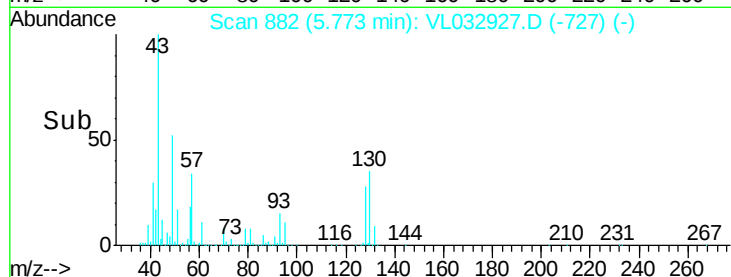
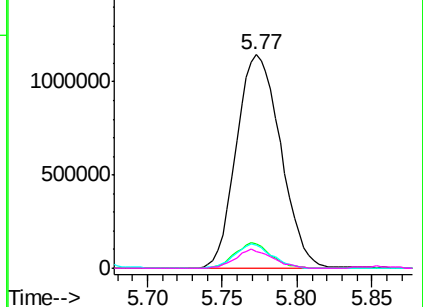


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 9.845 ppbv

RT: 5.79 min Scan# 886

Delta R.T. 0.00 min

Lab File: VL032927.D

Acq: 7 Dec 2018 8:30

Tgt Ion: 57 Resp: 1083334

Ion Ratio Lower Upper

57 100

41 88.4 72.2 108.2

43 218.6 171.9 257.9

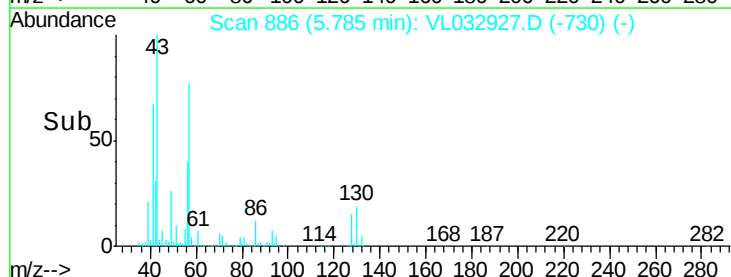
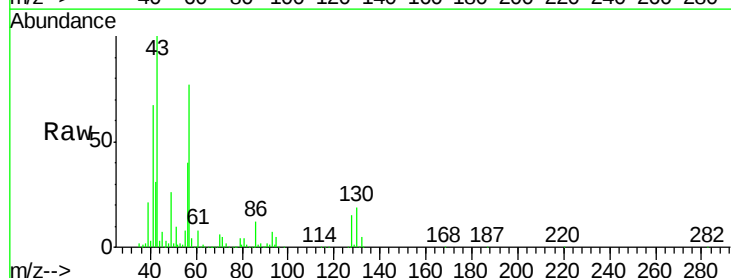
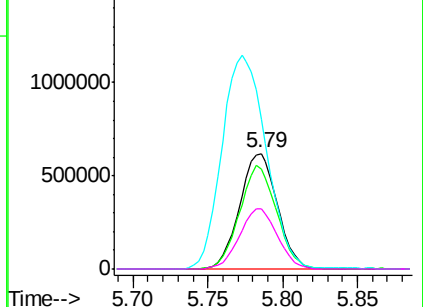
56 52.4 42.2 63.2

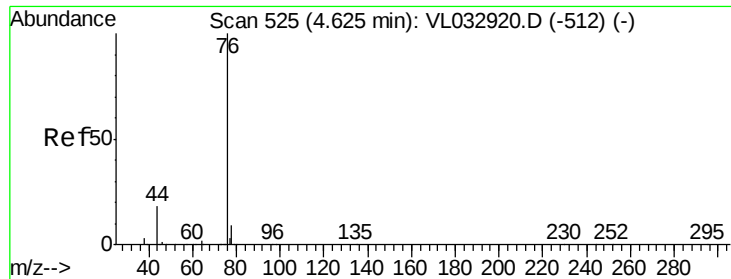
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 8.804 ppbv

RT: 4.62 min Scan# 524

Delta R.T. -0.00 min

Lab File: VL032927.D

Acq: 7 Dec 2018 8:30

Instrument :

MSVOA_L

ClientSampleId :

ICVVL120718

Tgt Ion: 76 Resp: 1211295

Ion Ratio Lower Upper

76 100

44 17.8 14.7 22.1

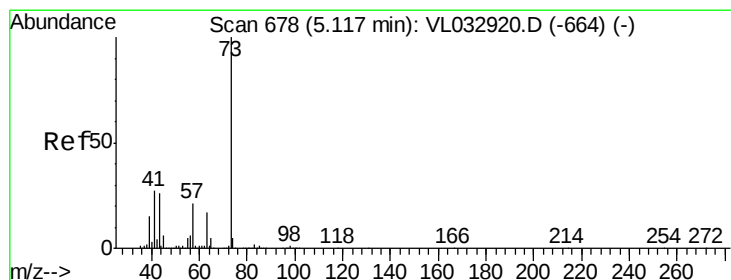
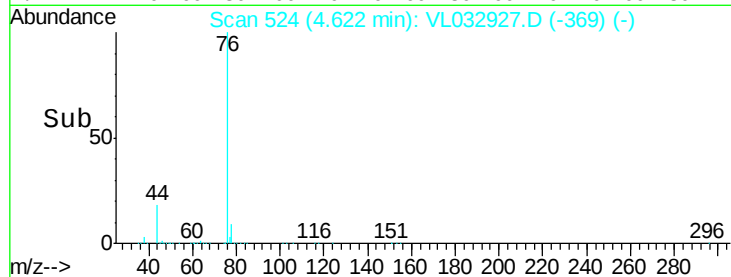
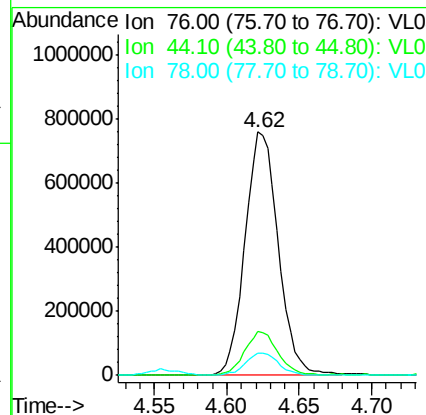
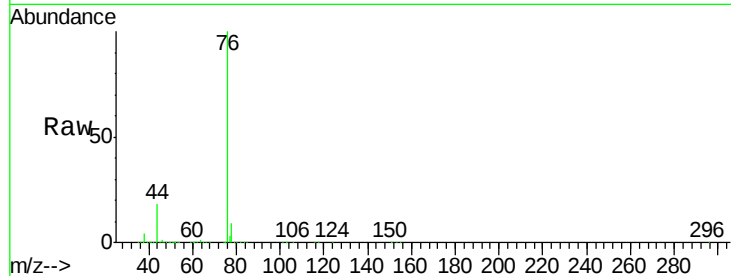
78 9.2 7.4 11.2

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#28

Methyl tert-Butyl Ether

Concen: 12.895 ppbv

RT: 5.12 min Scan# 678

Delta R.T. 0.00 min

Lab File: VL032927.D

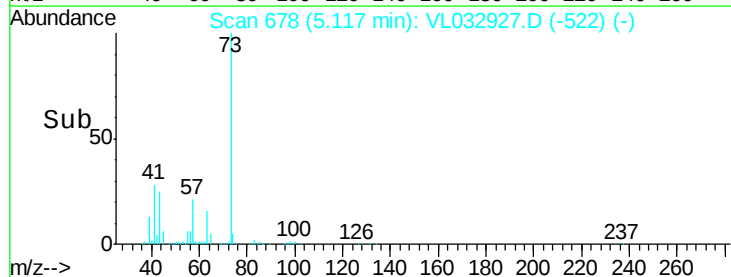
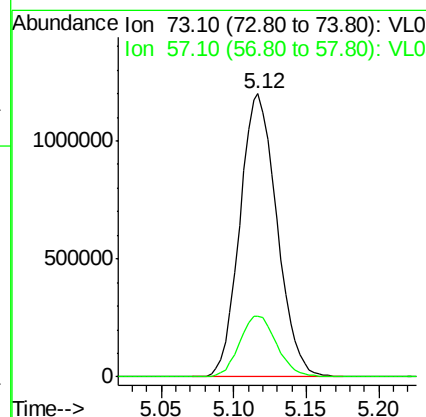
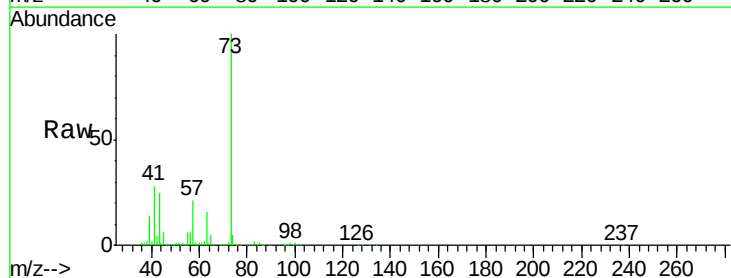
Acq: 7 Dec 2018 8:30

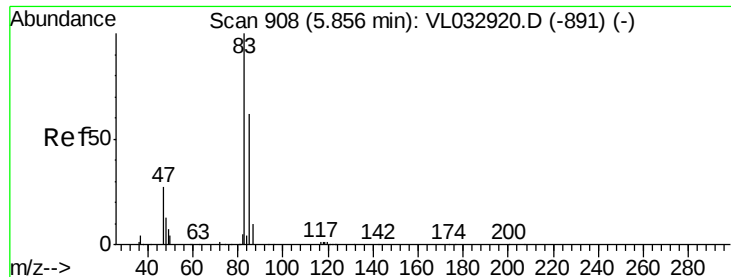
Tgt Ion: 73 Resp: 2131023

Ion Ratio Lower Upper

73 100

57 21.8 17.4 26.0





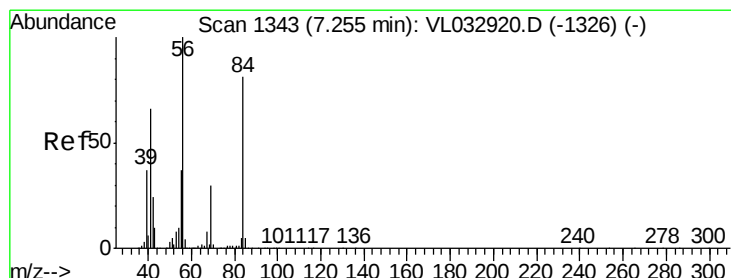
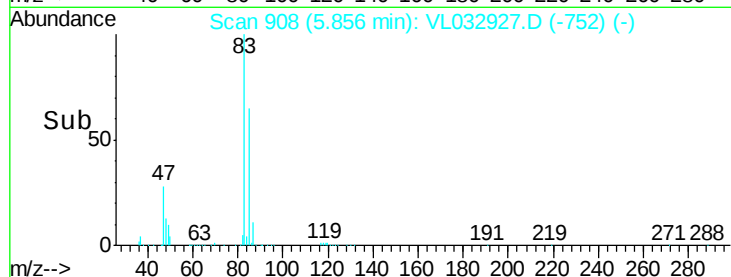
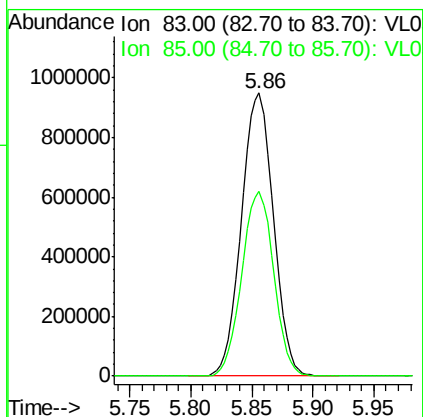
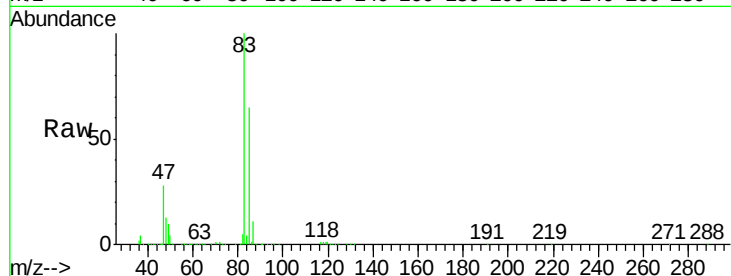
#29
Chloroform
Concen: 8.721 ppbv
RT: 5.86 min Scan# 908
Delta R.T. 0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Instrument :
MSVOA_L
ClientSampleId :
ICVVL120718

Tgt Ion: 83 Resp: 1712309
Ion Ratio Lower Upper
83 100
85 65.1 49.8 74.8

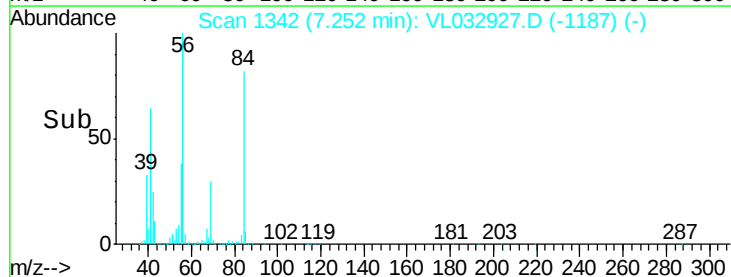
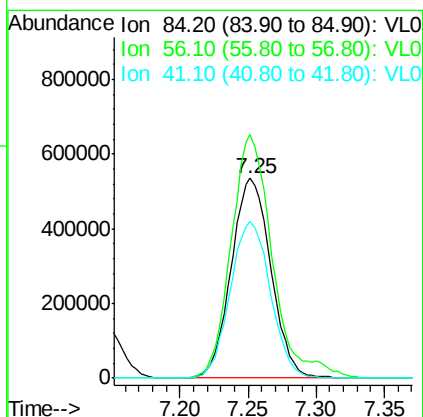
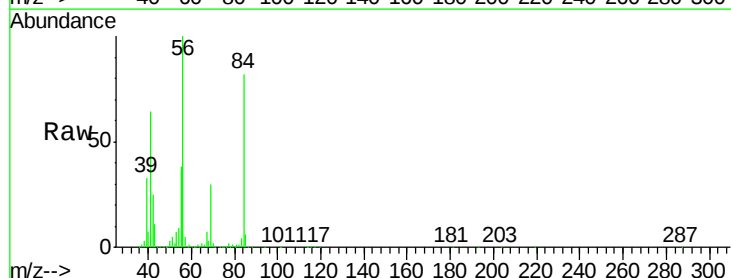
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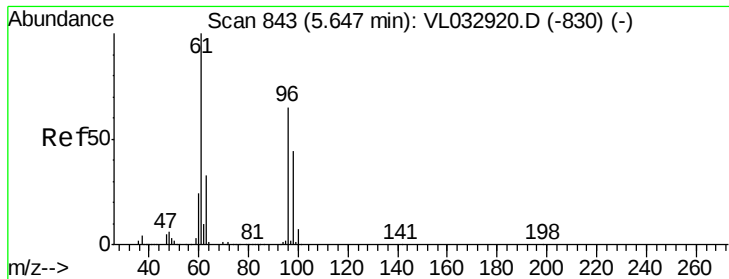
MMDadoda
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#30
Cyclohexane
Concen: 11.824 ppbv
RT: 7.25 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Tgt Ion: 84 Resp: 1078330
Ion Ratio Lower Upper
84 100
56 127.4 102.5 153.7
41 79.8 64.1 96.1





#31

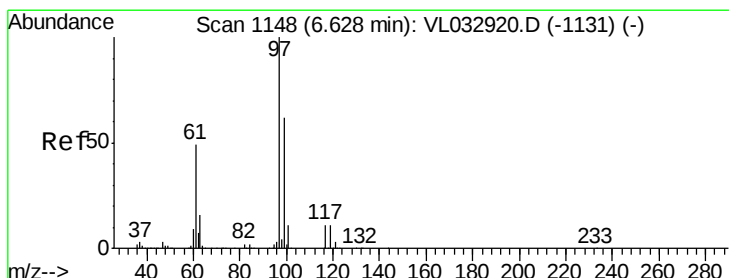
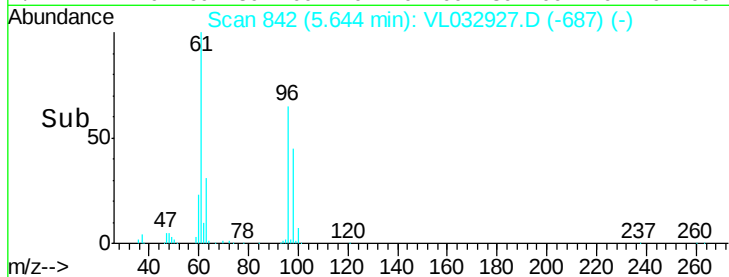
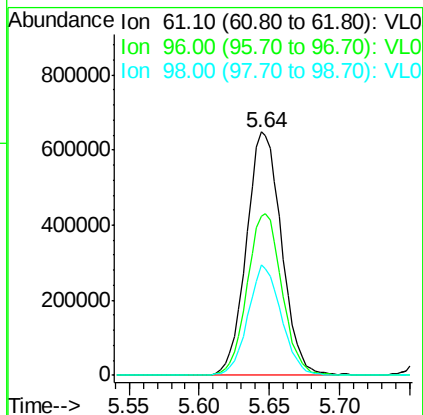
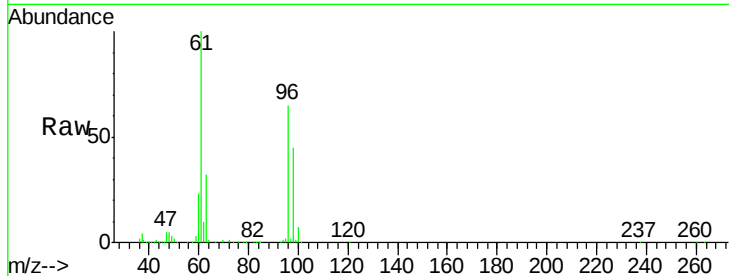
cis-1,2-Dichloroethene
 Concen: 11.173 ppbv
 RT: 5.64 min Scan# 842
 Delta R.T. -0.00 min
 Lab File: VL032927.D
 Acq: 7 Dec 2018 8:30

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL120718

Tgt Ion: 61 Resp: 1128167
 Ion Ratio Lower Upper
 61 100
 96 65.5 51.9 77.9
 98 45.2 35.0 52.4

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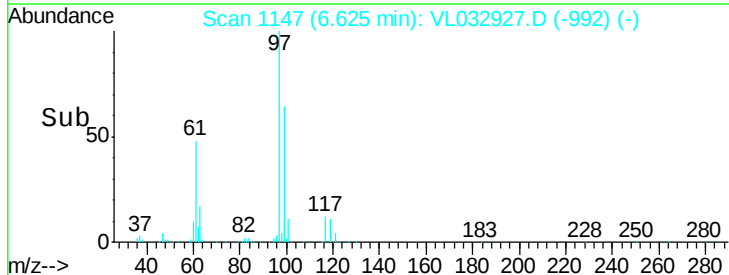
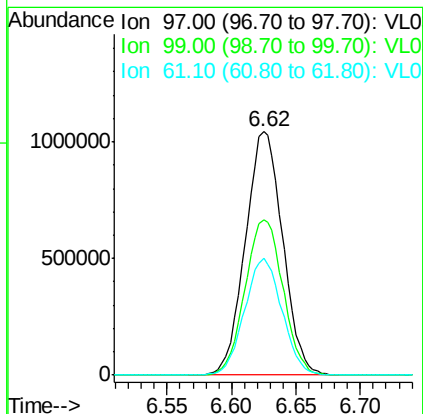
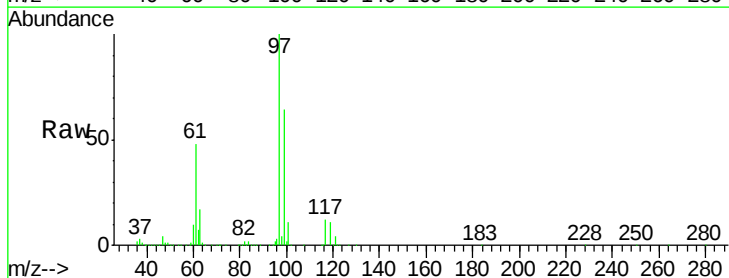
MMDadoda
 12/11/2018 10:08:32 AM

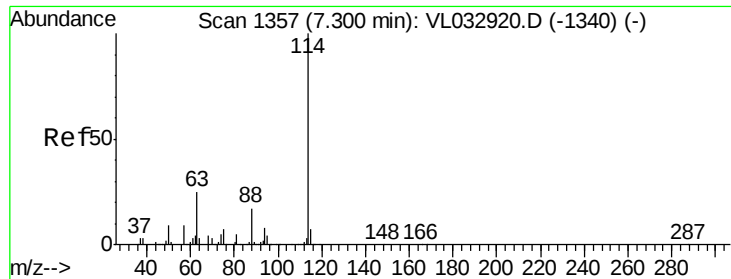


#32

1,1,1-Trichloroethane
 Concen: 10.148 ppbv
 RT: 6.62 min Scan# 1147
 Delta R.T. -0.00 min
 Lab File: VL032927.D
 Acq: 7 Dec 2018 8:30

Tgt Ion: 97 Resp: 2108106
 Ion Ratio Lower Upper
 97 100
 99 64.9 51.1 76.7
 61 48.2 39.3 58.9





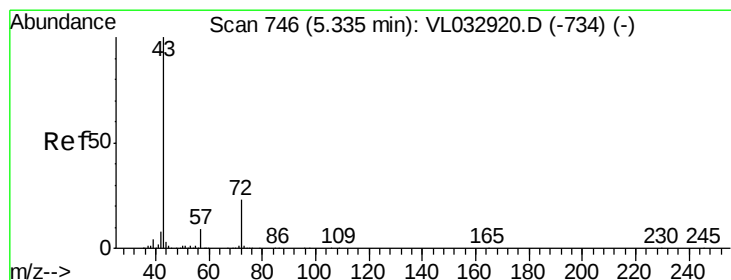
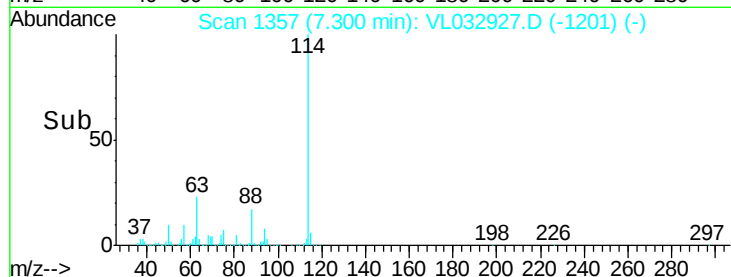
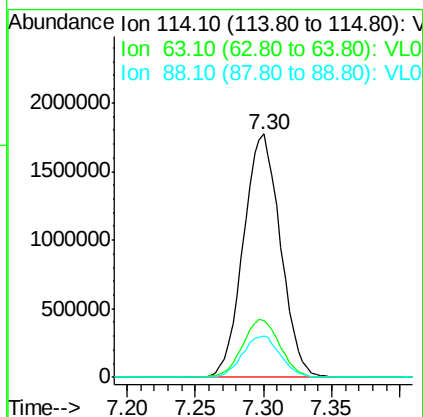
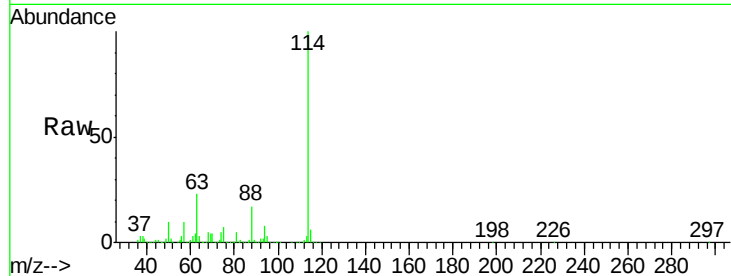
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.30 min Scan# 1357
 Delta R.T. 0.00 min
 Lab File: VL032927.D
 Acq: 7 Dec 2018 8:30

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL120718

Tgt Ion: 114 Resp: 3341277
 Ion Ratio Lower Upper
 114 100
 63 24.4 20.1 30.1
 88 17.3 14.2 21.4

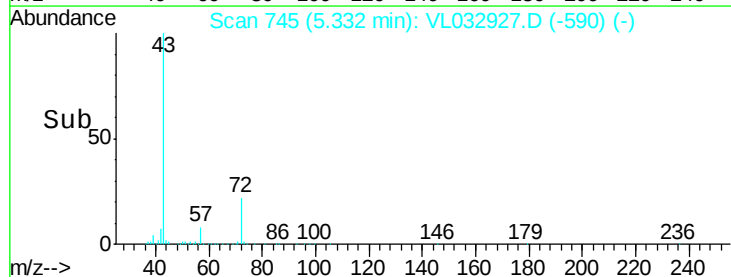
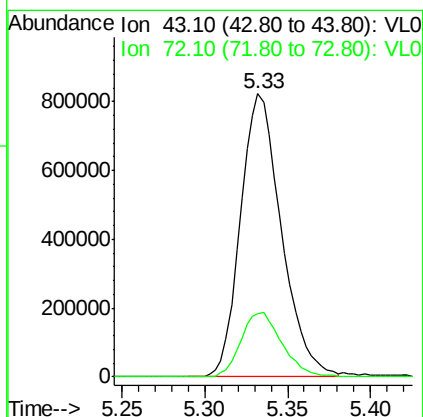
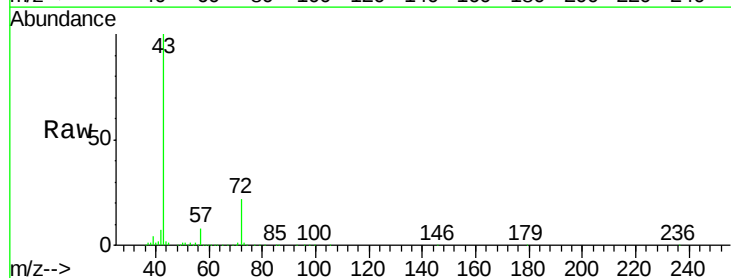
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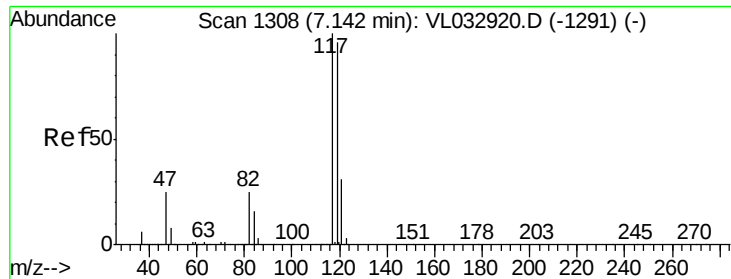
MMDadoda
 12/11/2018 10:08:32 AM



#34
 2-Butanone
 Concen: 9.663 ppbv
 RT: 5.33 min Scan# 745
 Delta R.T. -0.00 min
 Lab File: VL032927.D
 Acq: 7 Dec 2018 8:30

Tgt Ion: 43 Resp: 1406325
 Ion Ratio Lower Upper
 43 100
 72 23.1 18.8 28.2





#35

Carbon Tetrachloride

Concen: 8.678 ppbv

RT: 7.14 min Scan# 1308

Delta R.T. 0.00 min

Lab File: VL032927.D

Acq: 7 Dec 2018 8:30

Instrument :

MSVOA_L

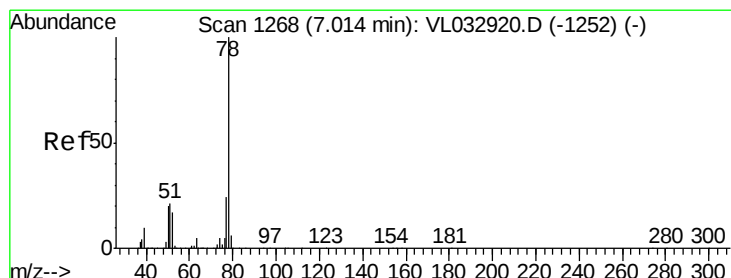
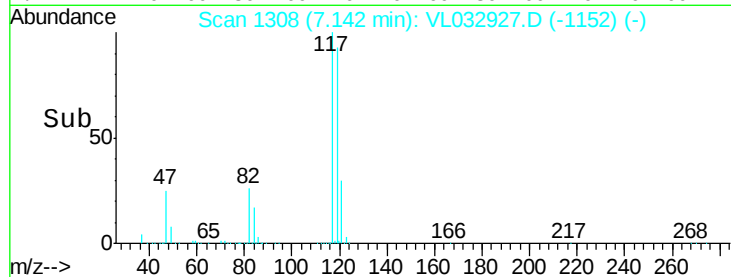
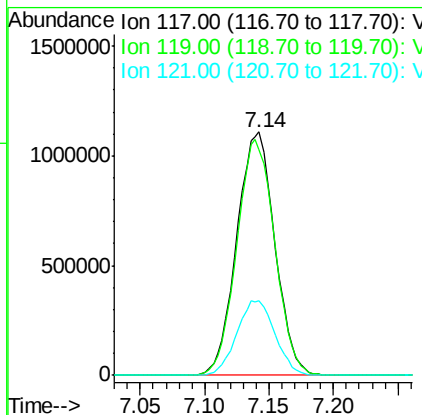
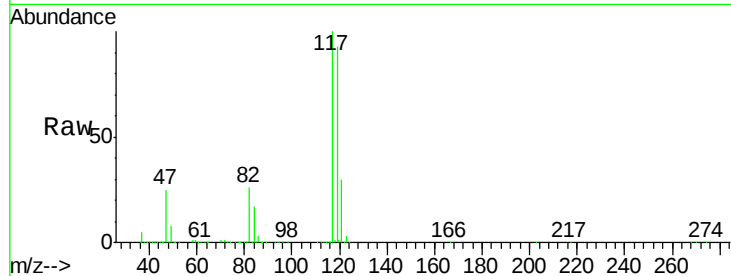
ClientSampleId :

ICVVL120718

Tgt Ion:	117	Resp:	2279112
Ion	Ratio	Lower	Upper
117	100		
119	92.9	76.5	114.7
121	30.4	24.5	36.7

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#36

Benzene

Concen: 10.333 ppbv

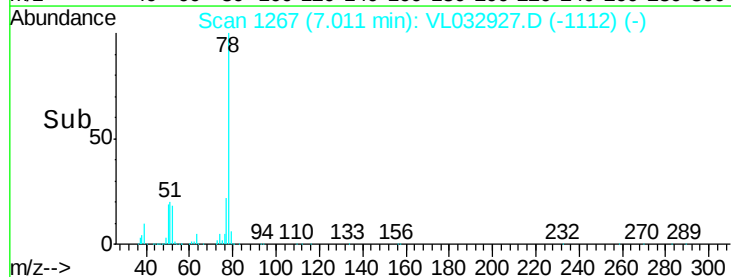
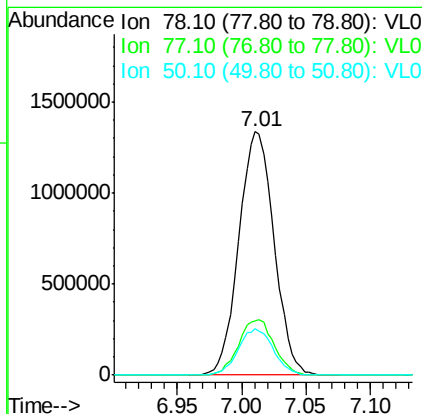
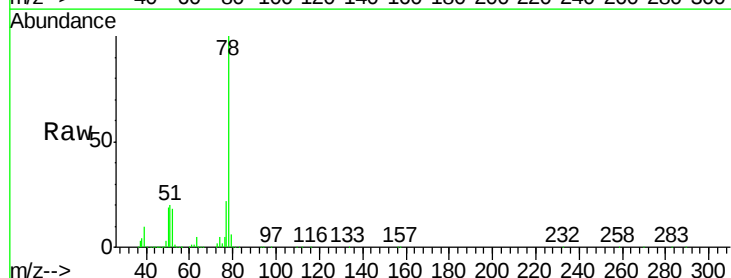
RT: 7.01 min Scan# 1267

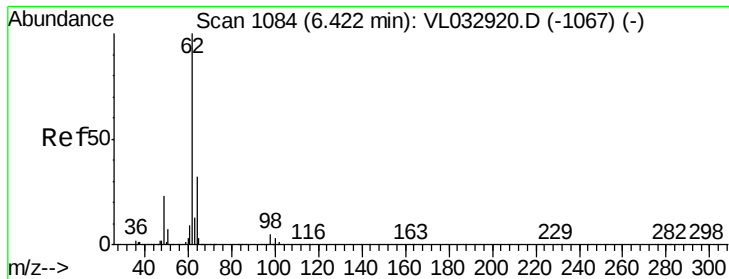
Delta R.T. -0.00 min

Lab File: VL032927.D

Acq: 7 Dec 2018 8:30

Tgt Ion:	78	Resp:	2539493
Ion	Ratio	Lower	Upper
78	100		
77	22.2	18.9	28.3
50	19.0	16.1	24.1





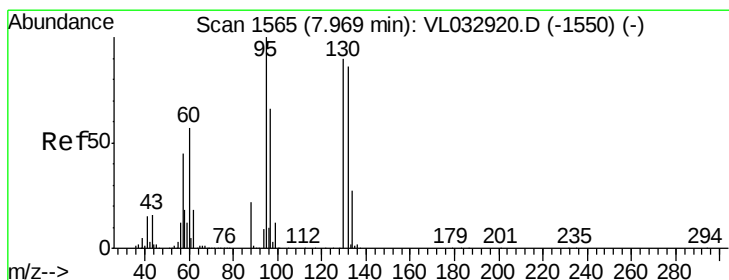
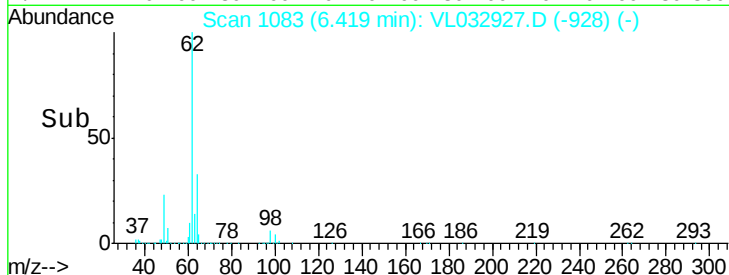
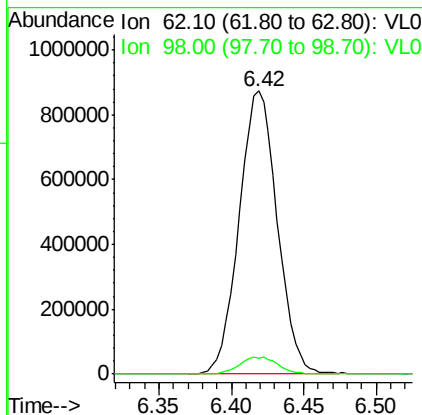
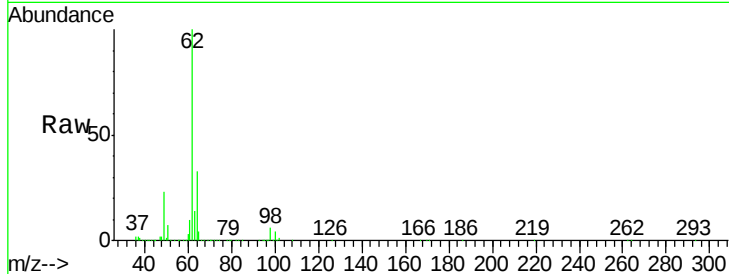
#37
 1,2-Dichloroethane
 Concen: 9.547 ppbv
 RT: 6.42 min Scan# 1083
 Delta R.T. -0.00 min
 Lab File: VL032927.D
 Acq: 7 Dec 2018 8:30

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL120718

Tgt Ion: 62 Resp: 1597464
 Ion Ratio Lower Upper
 62 100
 98 6.2 4.3 6.5

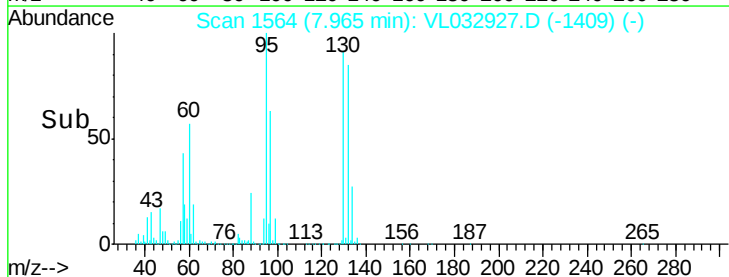
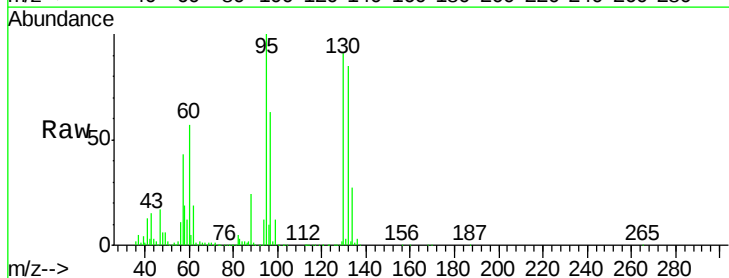
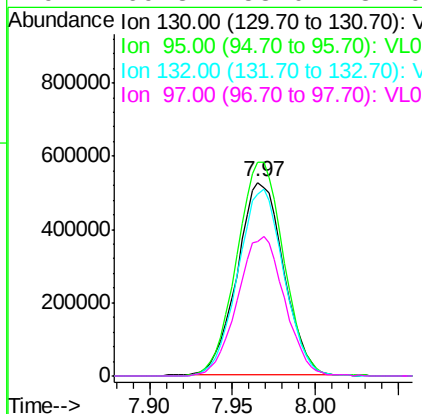
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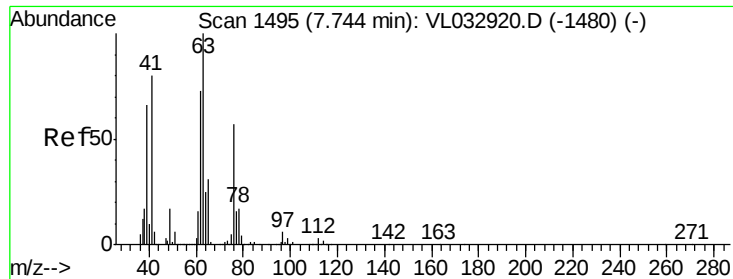
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#38
 Trichloroethene
 Concen: 10.026 ppbv
 RT: 7.97 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: VL032927.D
 Acq: 7 Dec 2018 8:30

Tgt Ion: 130 Resp: 1025415
 Ion Ratio Lower Upper
 130 100
 95 110.4 88.6 132.8
 132 94.2 76.1 114.1
 97 69.3 58.0 87.0





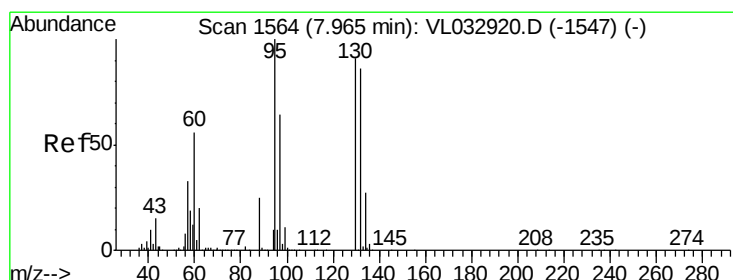
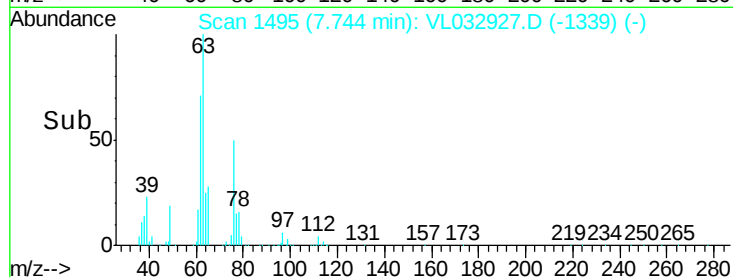
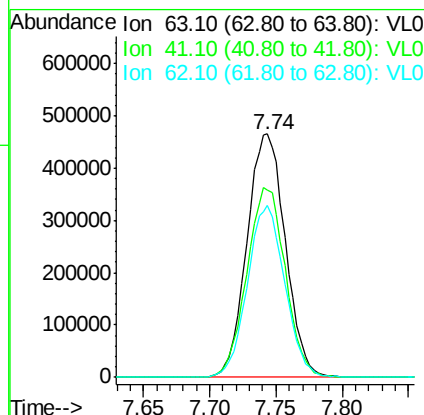
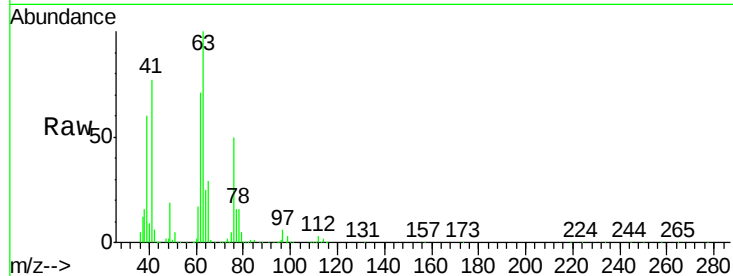
#39
 1,2-Dichloropropane
 Concen: 10.066 ppbv
 RT: 7.74 min Scan# 1495
 Delta R.T. 0.00 min
 Lab File: VL032927.D
 Acq: 7 Dec 2018 8:30

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL120718

Tgt Ion	Ratio	Lower	Upper
63	100		
41	76.7	63.9	95.9
62	70.5	58.8	88.2

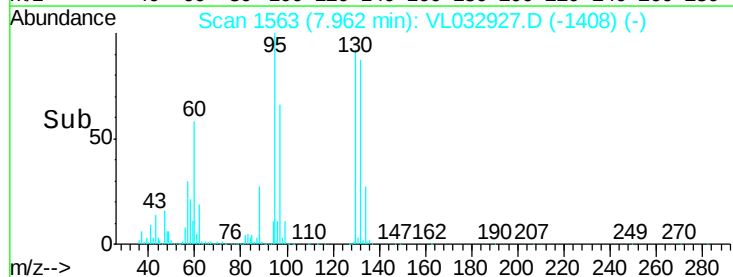
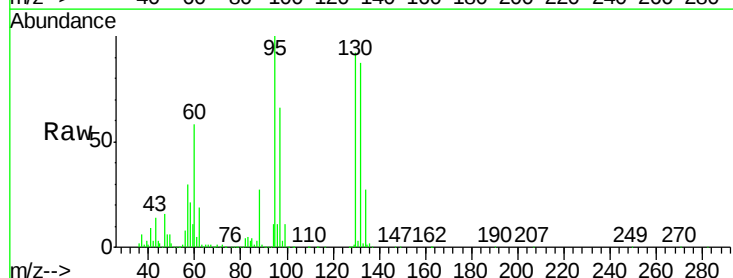
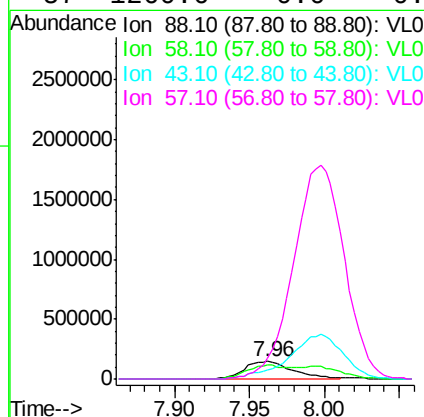
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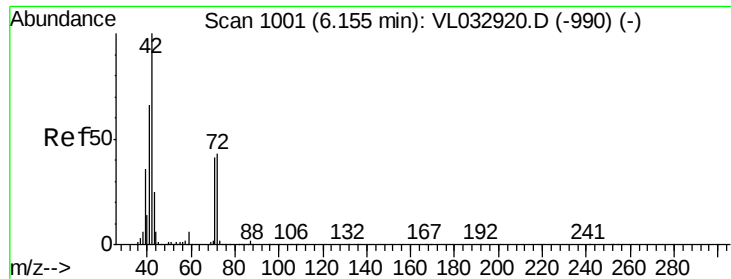
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 12/11/2018 10:08:32 AM



#40
 1,4-Dioxane
 Concen: 9.748 ppbv
 RT: 7.96 min Scan# 1563
 Delta R.T. -0.00 min
 Lab File: VL032927.D
 Acq: 7 Dec 2018 8:30

Tgt Ion	Ratio	Lower	Upper
88	100		
58	130.7	107.4	161.2
43	281.4	0.0	0.0#
57	1260.6	0.0	0.0#





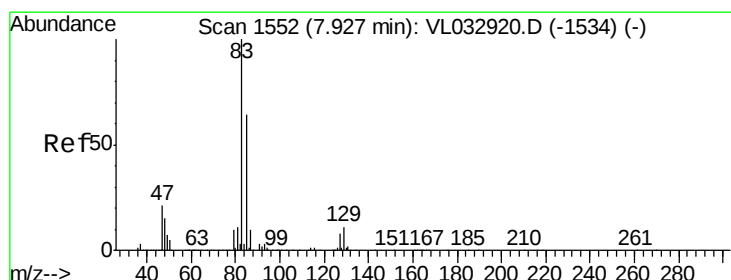
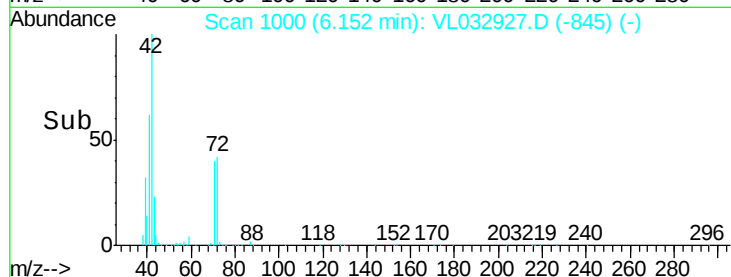
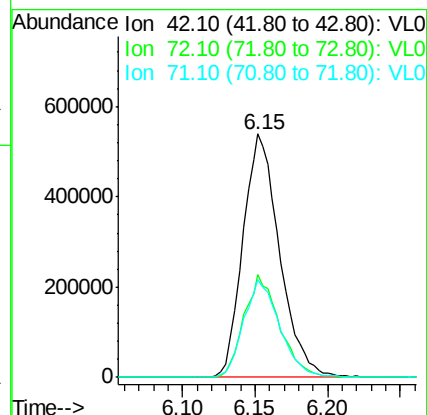
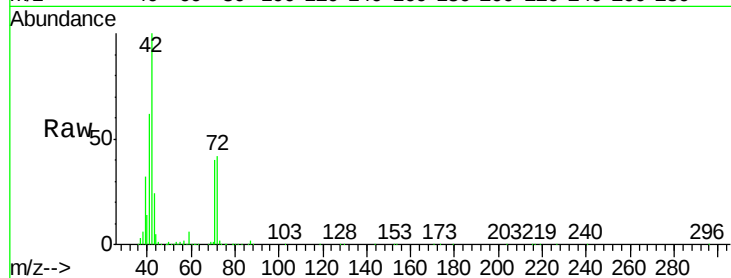
#41
Tetrahydrofuran
Concen: 10.455 ppbv
RT: 6.15 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Instrument :
MSVOA_L
ClientSampleId :
ICVVL120718

Tgt Ion	Ratio	Lower	Upper
42	100		
72	41.1	32.9	49.3
71	39.6	32.0	48.0

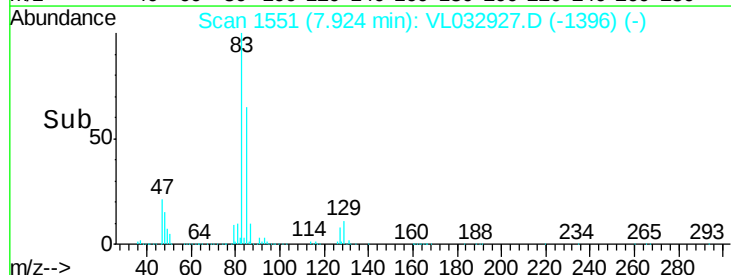
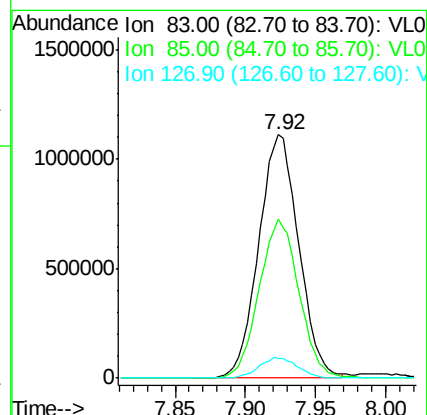
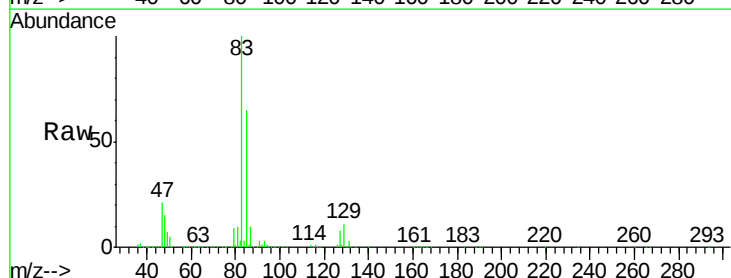
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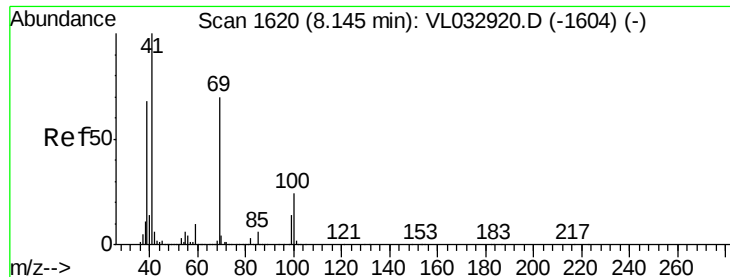
MMDadoda
12/11/2018 10:08:32 AM



#42
Bromodichloromethane
Concen: 9.499 ppbv
RT: 7.92 min Scan# 1551
Delta R.T. -0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	50.9	76.3
127	7.8	6.7	10.1





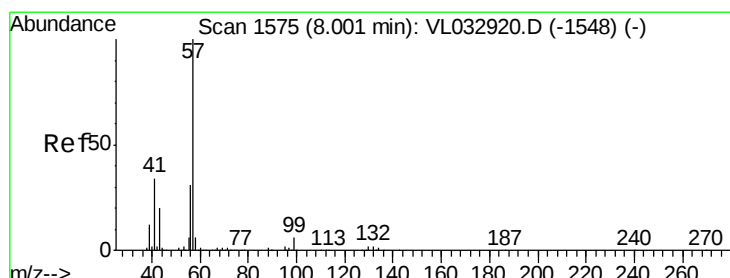
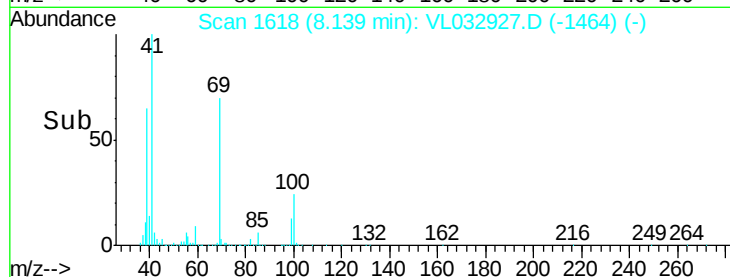
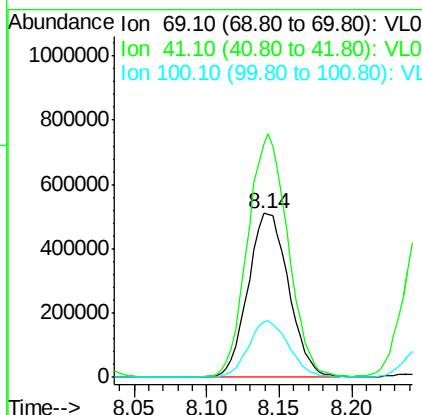
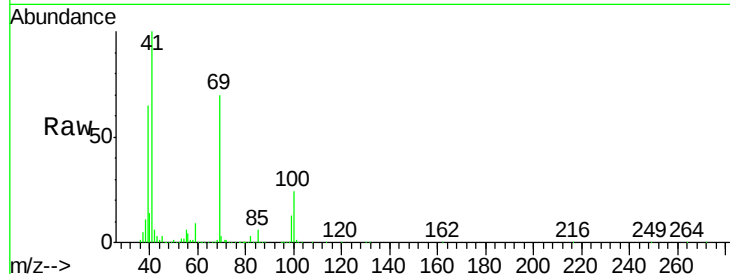
#43
Methyl Methacrylate
Concen: 10.949 ppbv
RT: 8.14 min Scan# 1618
Delta R.T. -0.01 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Instrument :
MSVOA_L
ClientSampleId :
ICVVL120718

Tgt Ion	Ratio	Lower	Upper
69	100		
41	147.2	116.6	175.0
100	34.0	26.5	39.7

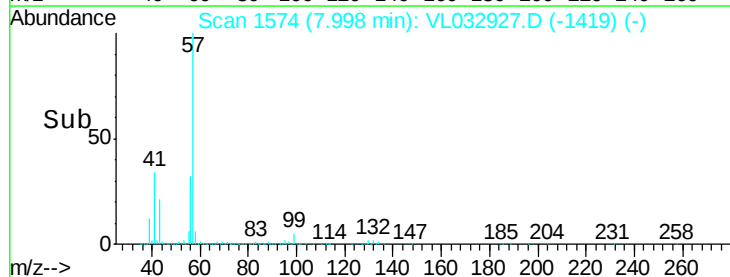
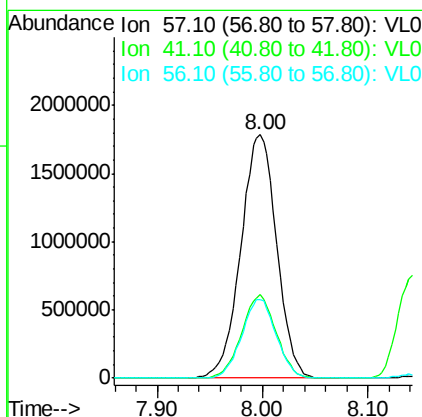
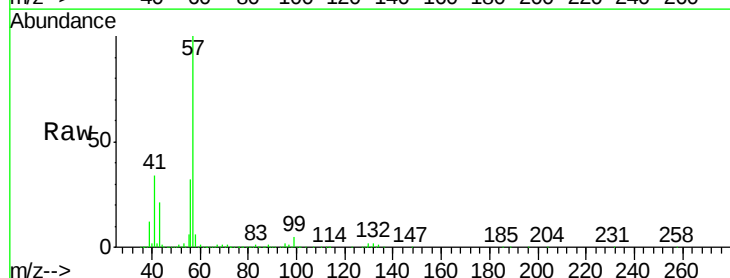
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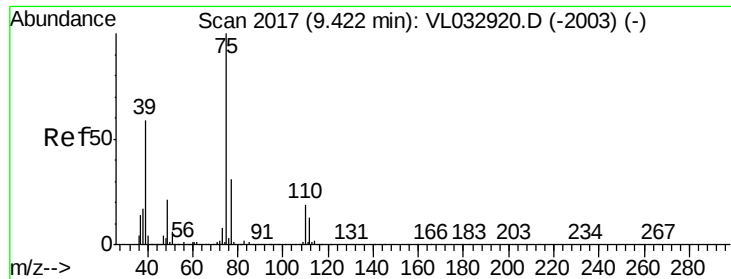
MMDadoda
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#44
2,2,4-Trimethylpentane
Concen: 10.092 ppbv
RT: 8.00 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Tgt Ion	Ratio	Lower	Upper
57	100		
41	32.8	27.0	40.4
56	31.2	24.6	37.0





#45

t-1,3-Dichloropropene

Concen: 12.223 ppbv

RT: 9.42 min Scan# 2017

Delta R.T. 0.00 min

Lab File: VL032927.D

Acq: 7 Dec 2018 8:30

Instrument :

MSVOA_L

ClientSampleId :

ICVVL120718

Tgt Ion: 75 Resp: 1364730

Ion Ratio Lower Upper

75 100

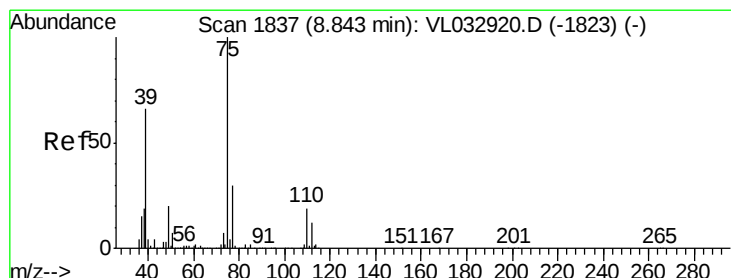
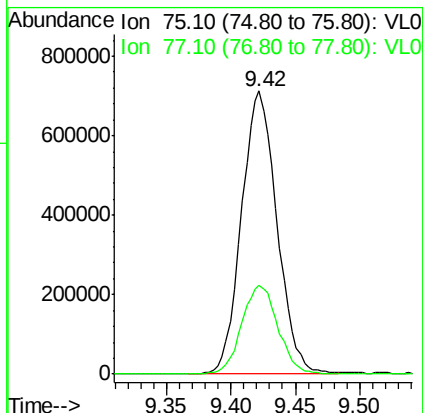
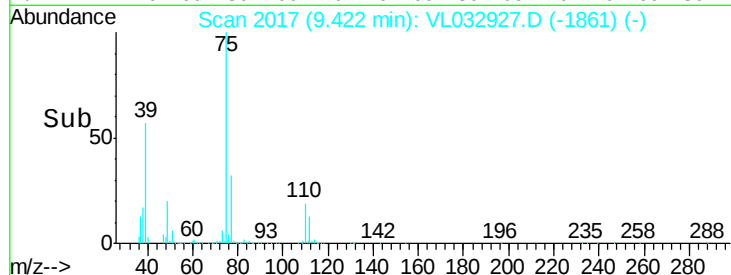
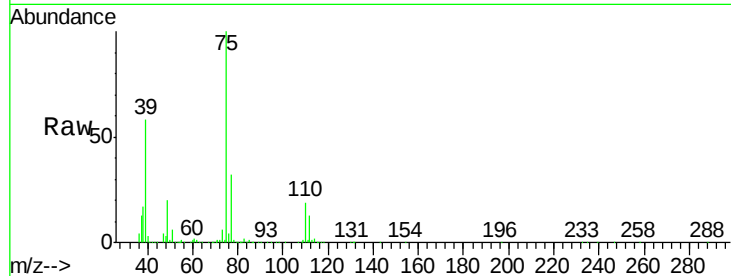
77 31.6 24.8 37.2

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#46

cis-1,3-Dichloropropene

Concen: 11.500 ppbv

RT: 8.84 min Scan# 1837

Delta R.T. 0.00 min

Lab File: VL032927.D

Acq: 7 Dec 2018 8:30

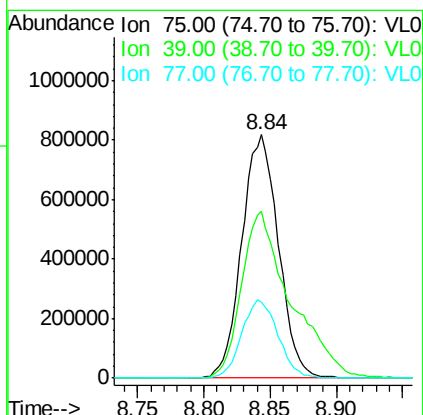
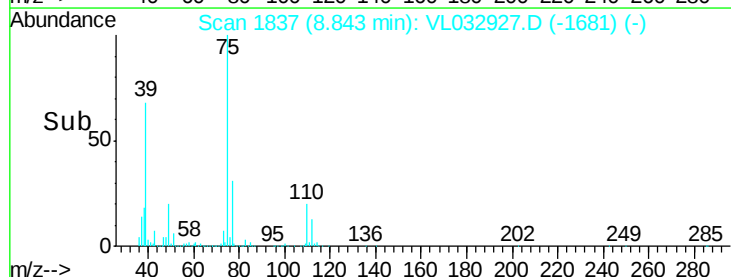
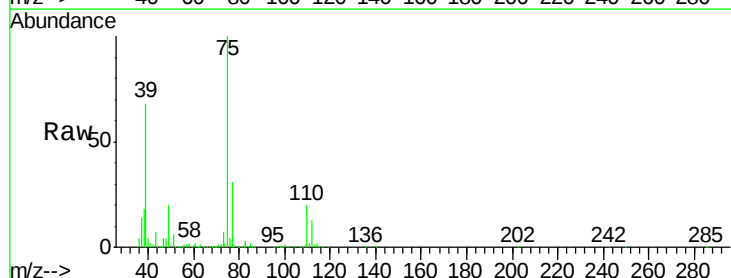
Tgt Ion: 75 Resp: 1571616

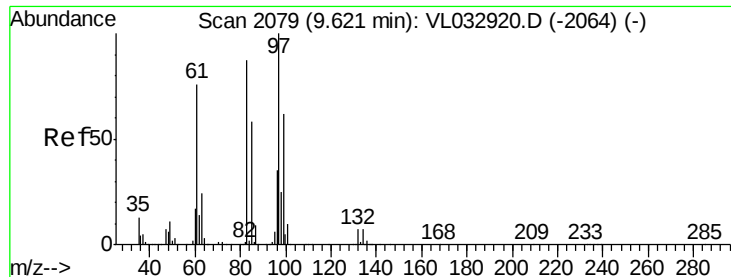
Ion Ratio Lower Upper

75 100

39 68.2 52.8 79.2

77 31.0 24.3 36.5





#47

1,1,2-Trichloroethane

Concen: 10.331 ppbv

RT: 9.62 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VL032927.D

Acq: 7 Dec 2018 8:30

Instrument :

MSVOA_L

ClientSampleId :

ICVVL120718

Tgt Ion: 97 Resp: 1059857

Ion Ratio Lower Upper

97 100

83 85.0 69.8 104.8

85 55.7 46.7 70.1

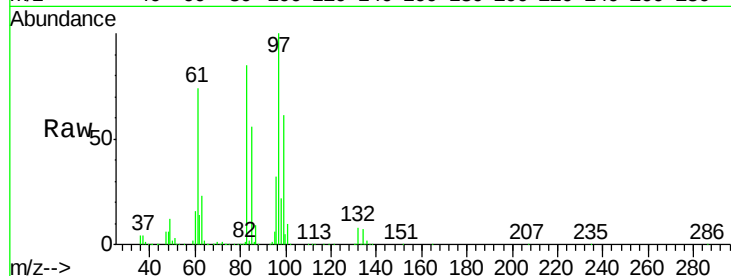
99 61.1 49.2 73.8

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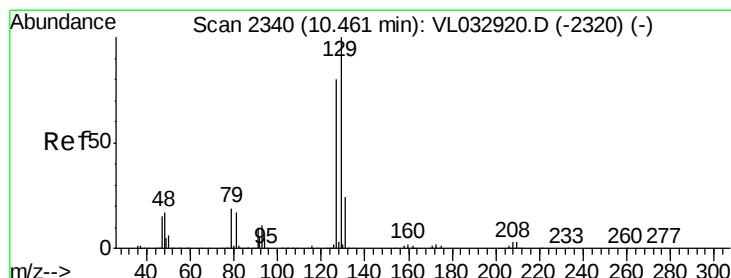
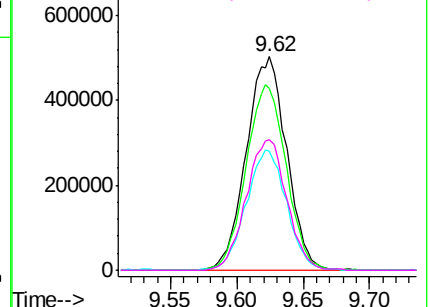
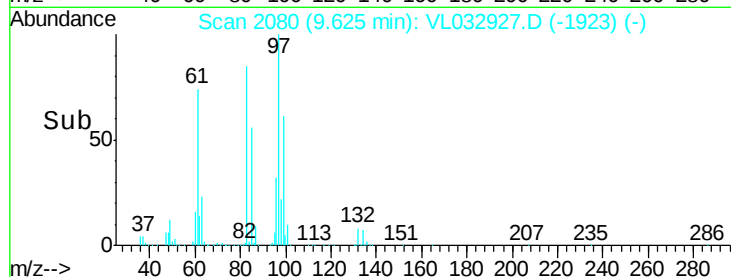


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 10.098 ppbv

RT: 10.46 min Scan# 2339

Delta R.T. -0.00 min

Lab File: VL032927.D

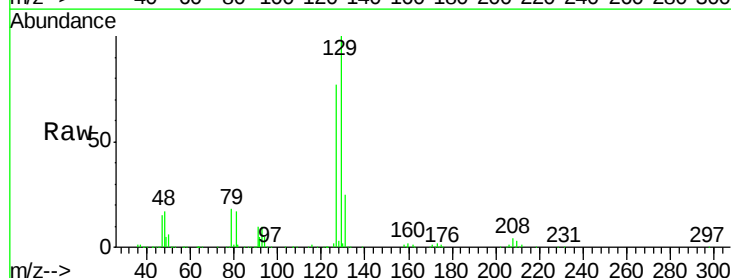
Acq: 7 Dec 2018 8:30

Tgt Ion: 129 Resp: 1943363

Ion Ratio Lower Upper

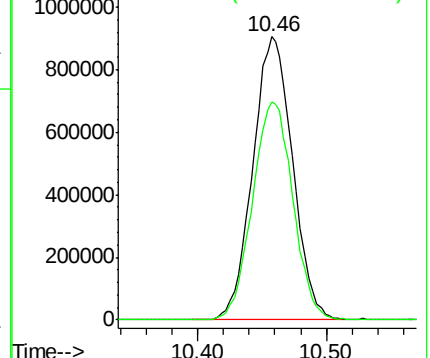
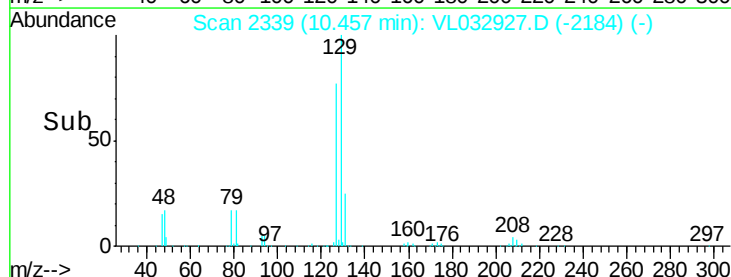
129 100

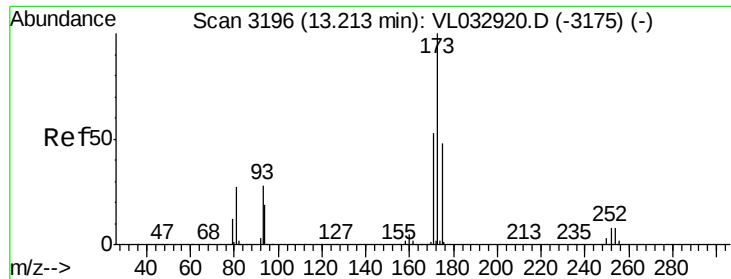
127 78.5 39.3 117.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





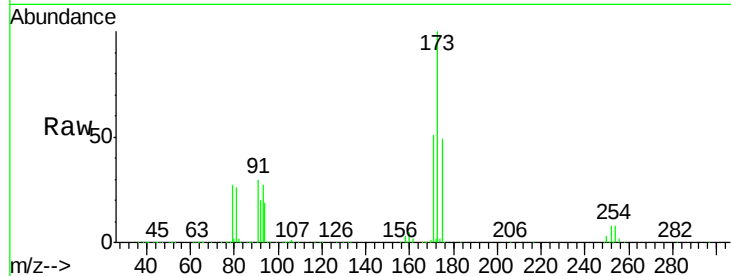
#49
Bromoform
Concen: 10.327 ppbv
RT: 13.21 min Scan# 3195
Delta R.T. -0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Instrument :
MSVOA_L
ClientSampleId :
ICVVL120718

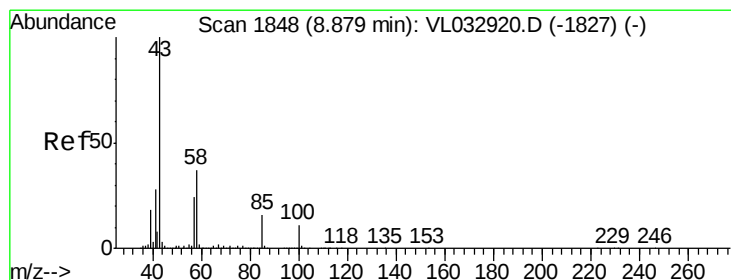
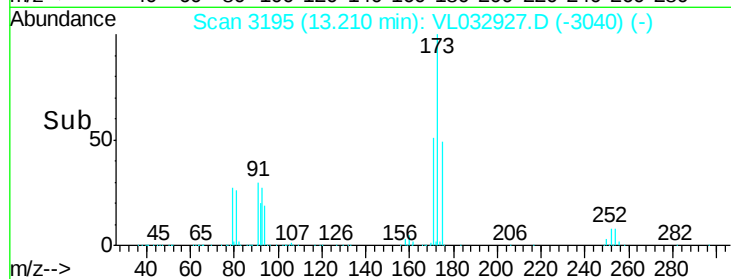
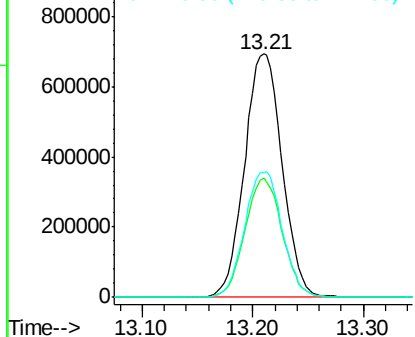
Tgt Ion:173 Resp: 1634661
Ion Ratio Lower Upper
173 100
175 48.7 39.0 58.4
171 51.9 41.5 62.3

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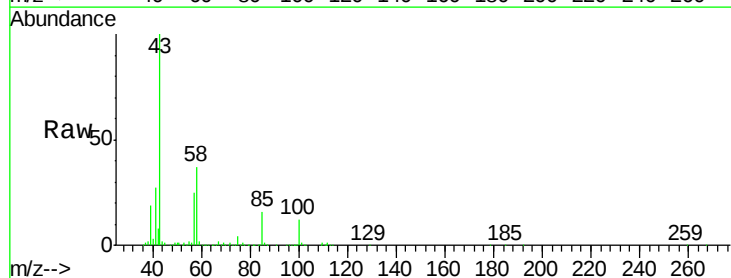


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V

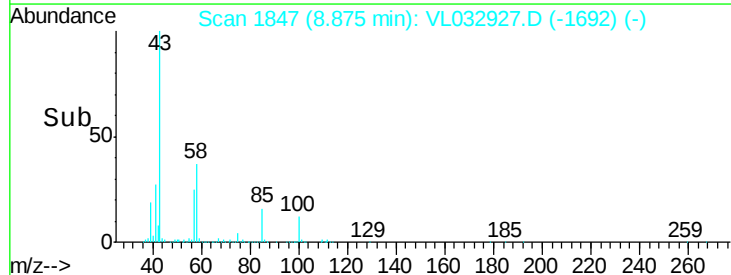
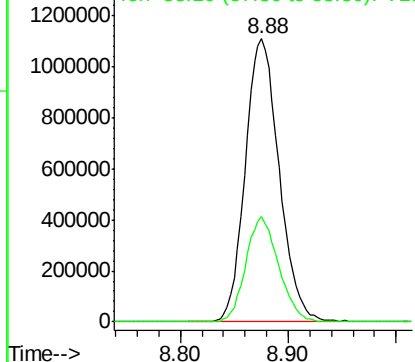


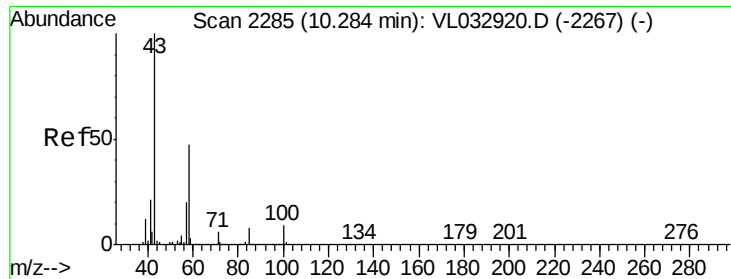
#50
4-Methyl-2-Pentanone
Concen: 10.385 ppbv
RT: 8.88 min Scan# 1847
Delta R.T. -0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Tgt Ion: 43 Resp: 2416994
Ion Ratio Lower Upper
43 100
58 36.2 29.0 43.4



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





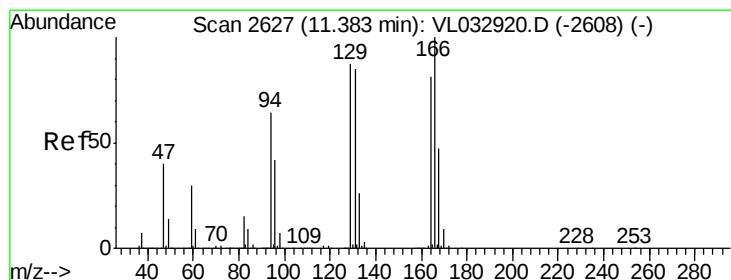
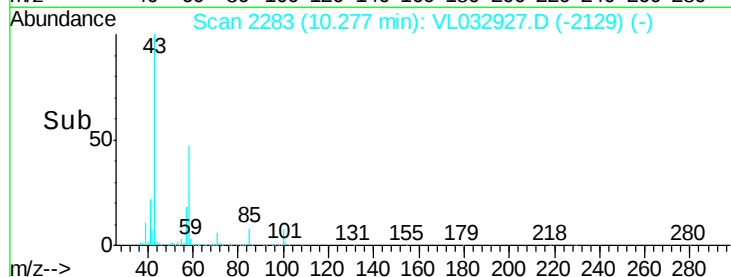
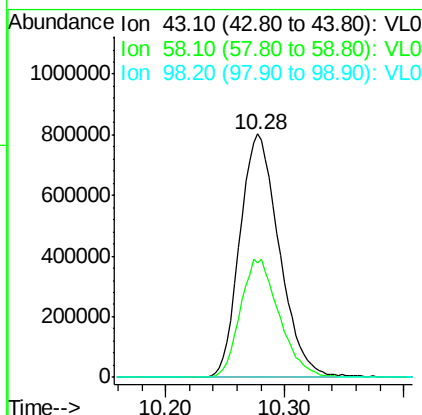
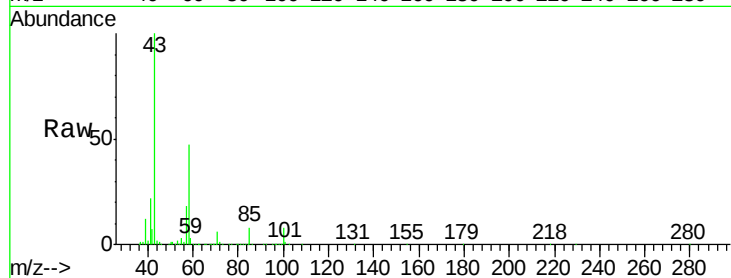
#51
2-Hexanone
Concen: 11.629 ppbv
RT: 10.28 min Scan# 2283
Delta R.T. -0.01 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Instrument :
MSVOA_L
ClientSampleId :
ICVVL120718

Tgt Ion: 43 Resp: 1835490
Ion Ratio Lower Upper
43 100
58 48.3 38.1 57.1
98 0.3 0.4 0.6#

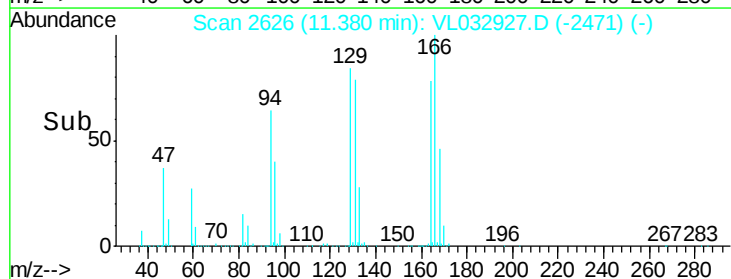
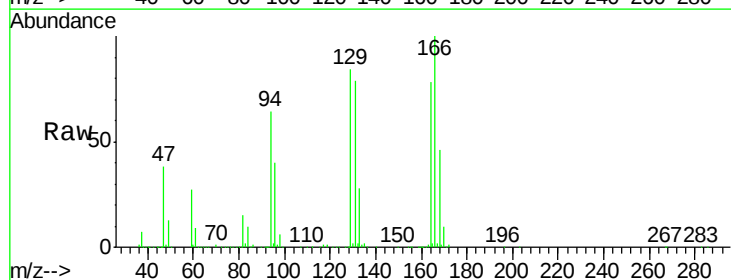
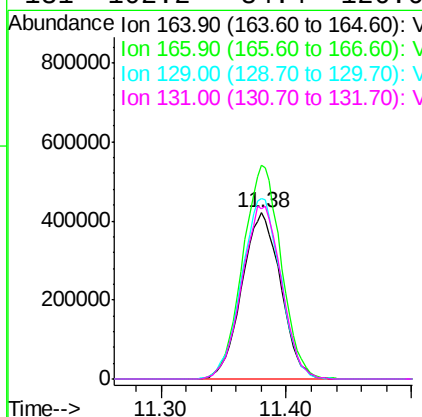
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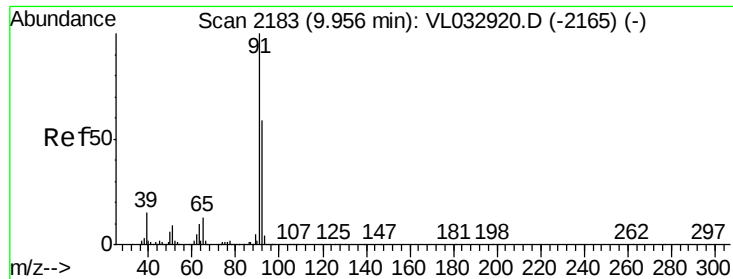
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#52
Tetrachloroethene
Concen: 10.070 ppbv
RT: 11.38 min Scan# 2626
Delta R.T. -0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Tgt Ion: 164 Resp: 900166
Ion Ratio Lower Upper
164 100
166 128.7 98.8 148.2
129 108.7 85.5 128.3
131 102.2 84.4 126.6





#53

Toluene

Concen: 10.728 ppbv

RT: 9.95 min Scan# 2182

Delta R.T. -0.00 min

Lab File: VL032927.D

Acq: 7 Dec 2018 8:30

Instrument :

MSVOA_L

ClientSampleId :

ICVVL120718

Tgt Ion: 91 Resp: 2796118

Ion Ratio Lower Upper

91 100

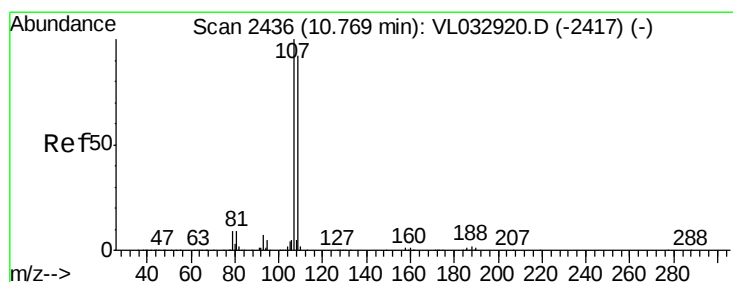
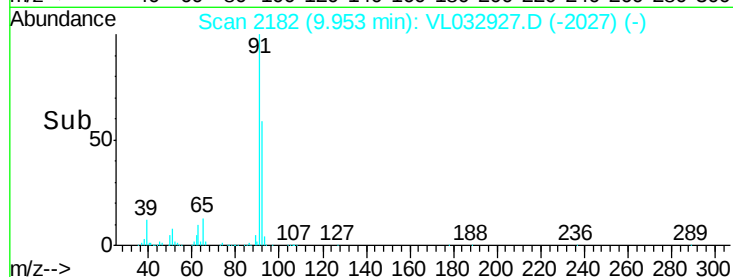
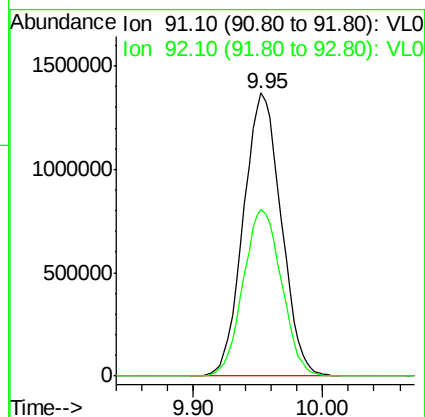
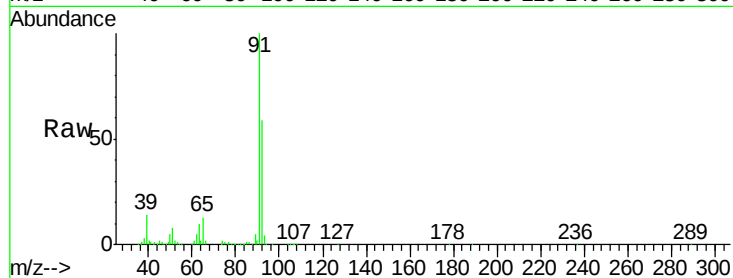
92 60.0 47.4 71.0

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#54

1,2-Dibromoethane

Concen: 10.268 ppbv

RT: 10.77 min Scan# 2435

Delta R.T. -0.00 min

Lab File: VL032927.D

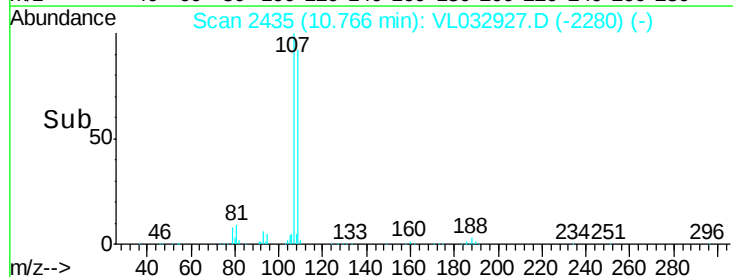
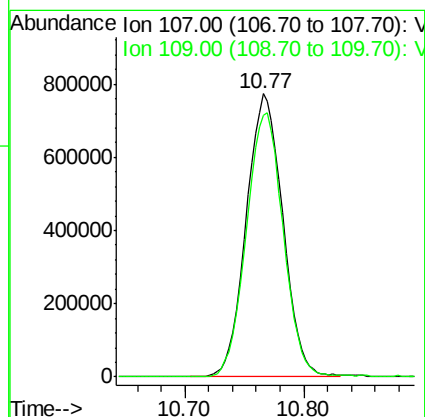
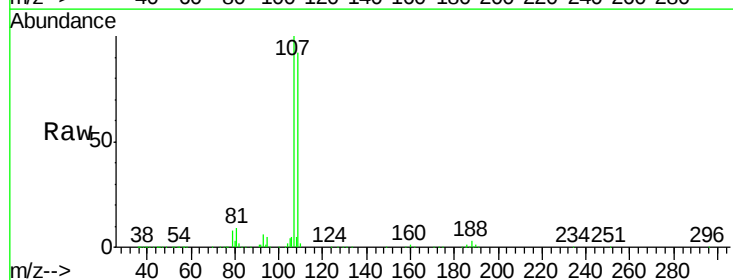
Acq: 7 Dec 2018 8:30

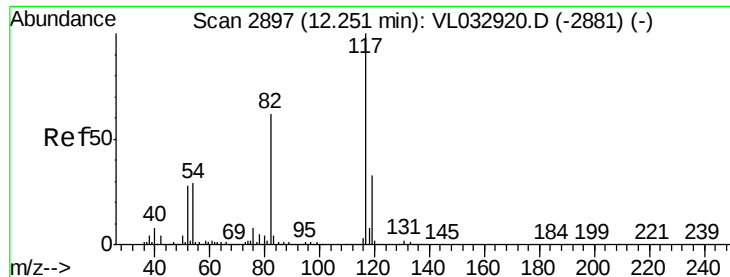
Tgt Ion: 107 Resp: 1645509

Ion Ratio Lower Upper

107 100

109 92.4 73.4 110.2





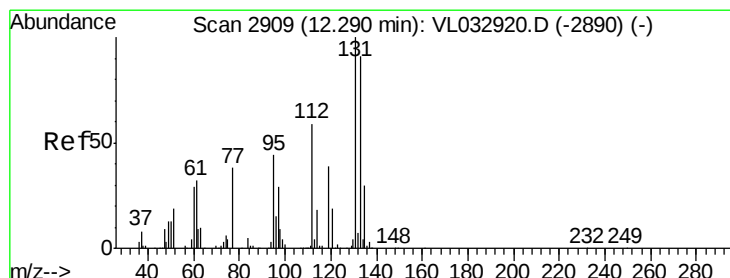
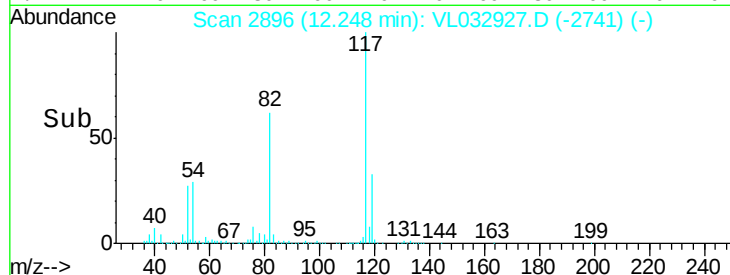
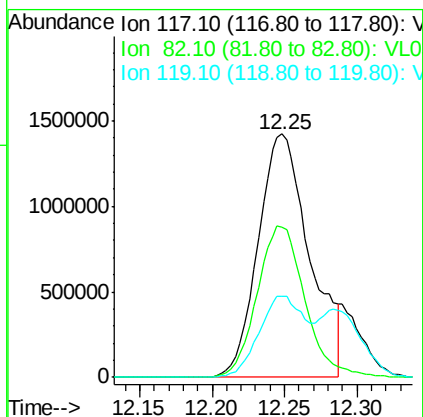
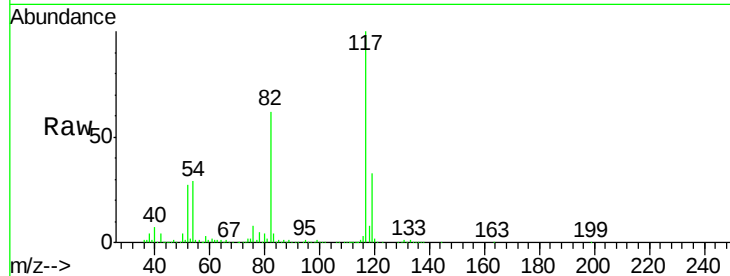
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Instrument :
MSVOA_L
ClientSampleId :
ICVVL120718

Tgt Ion:117 Resp: 3525077
Ion Ratio Lower Upper
117 100
82 57.8 47.8 71.8
119 30.6 43.1 64.7#

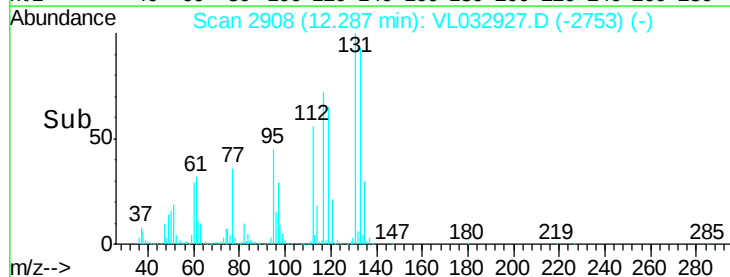
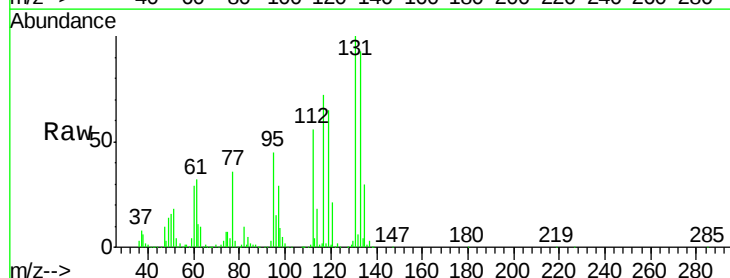
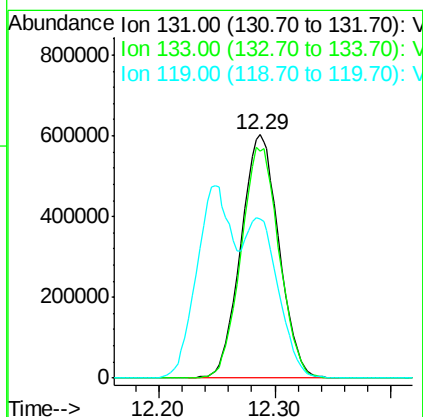
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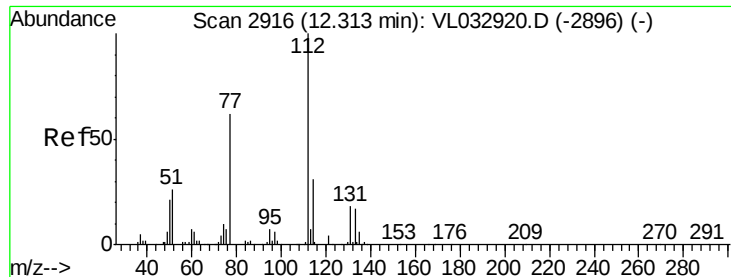
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#56
1,1,1,2-Tetrachloroethane
Concen: 8.743 ppbv
RT: 12.29 min Scan# 2908
Delta R.T. -0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Tgt Ion:131 Resp: 1374025
Ion Ratio Lower Upper
131 100
133 95.1 75.1 112.7
119 57.0 47.5 71.3





#57

Chlorobenzene

Concen: 8.831 ppbv

RT: 12.31 min Scan# 2915

Delta R.T. -0.00 min

Lab File: VL032927.D

Acq: 7 Dec 2018 8:30

Instrument :

MSVOA_L

ClientSampleId :

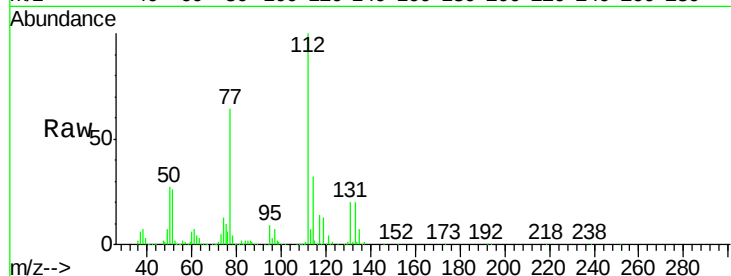
ICVVL120718

Tgt Ion: 112 Resp: 2248265

Ion	Ratio	Lower	Upper
112	100		
77	64.0	51.1	76.7
114	31.9	28.4	34.7

Manual Integrations
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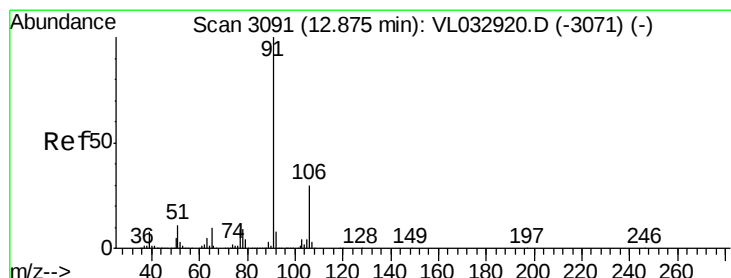
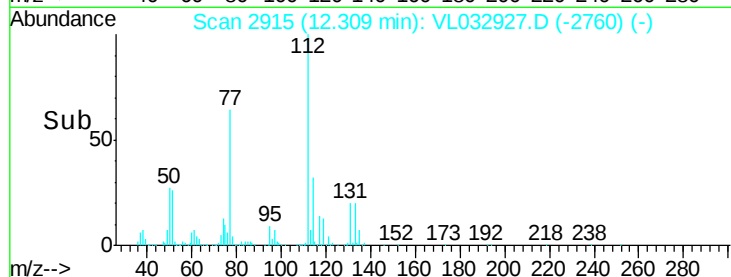
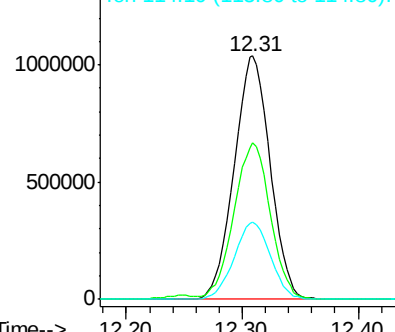
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 10.501 ppbv

RT: 12.87 min Scan# 3090

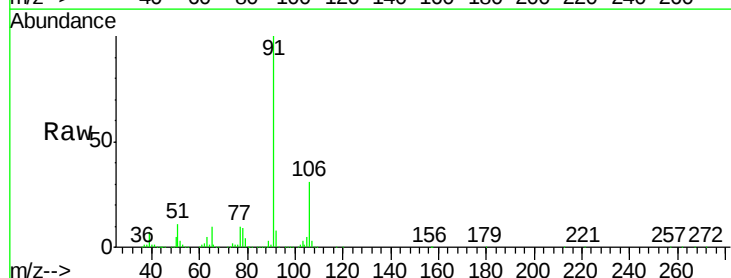
Delta R.T. -0.00 min

Lab File: VL032927.D

Acq: 7 Dec 2018 8:30

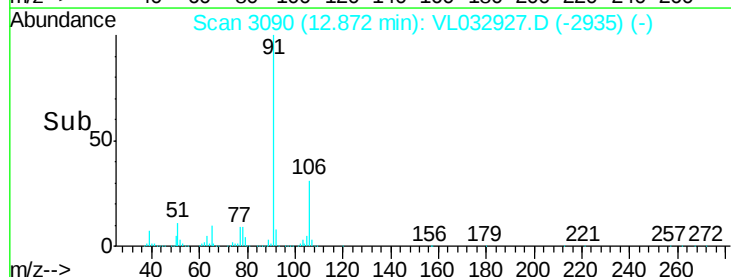
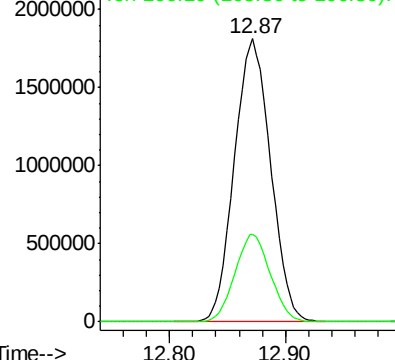
Tgt Ion: 91 Resp: 3948990

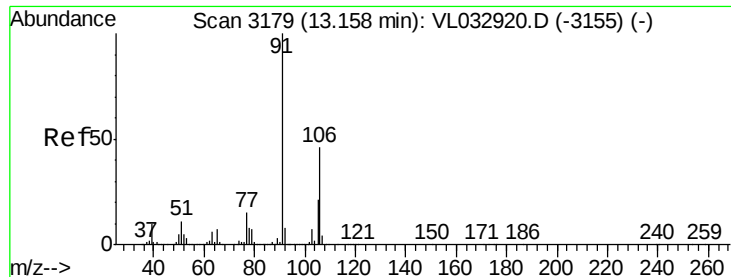
Ion	Ratio	Lower	Upper
91	100		
106	30.8	23.9	35.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





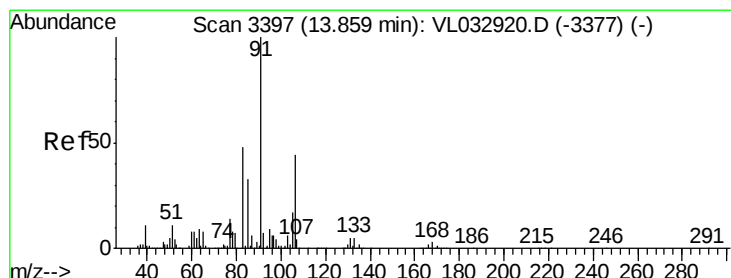
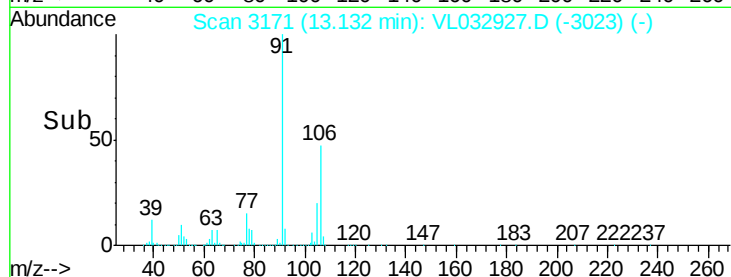
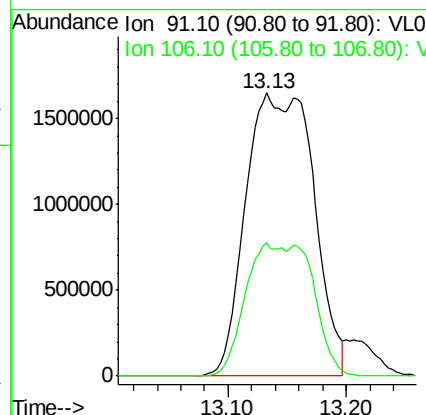
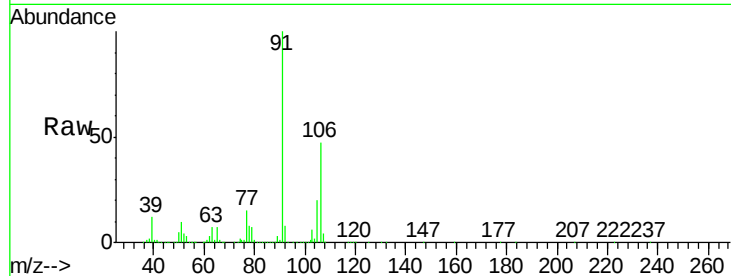
#59
m/p-Xylene
Concen: 19.214 ppbv m
RT: 13.13 min Scan# 3171
Delta R.T. -0.03 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Instrument :
MSVOA_L
ClientSampleId :
ICVVL120718

Tgt Ion: 91 Resp: 6550591
Ion Ratio Lower Upper
91 100
106 0.0 0.0 0.0

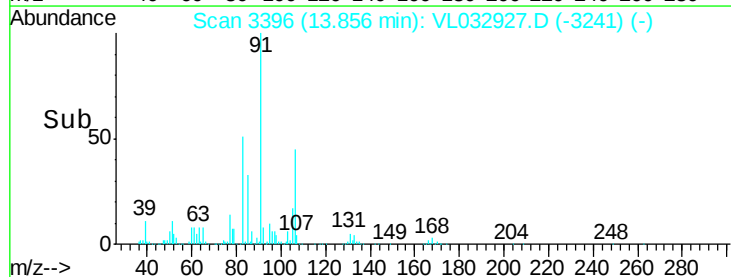
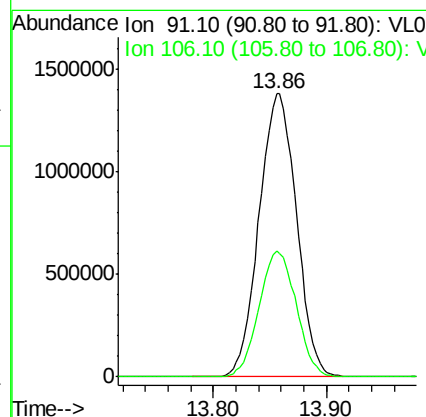
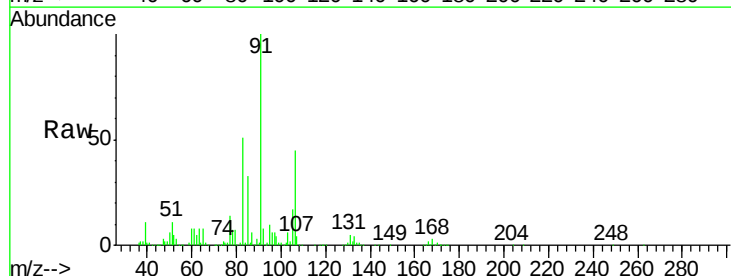
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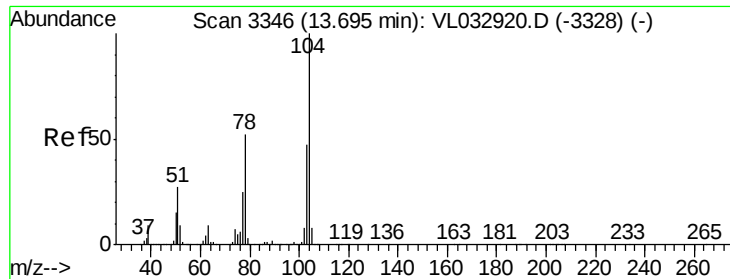
MMDadoda
12/11/2018 10:08:32 AM



#60
o-Xylene
Concen: 9.201 ppbv
RT: 13.86 min Scan# 3396
Delta R.T. -0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Tgt Ion: 91 Resp: 3168007
Ion Ratio Lower Upper
91 100
106 44.2 21.9 65.8





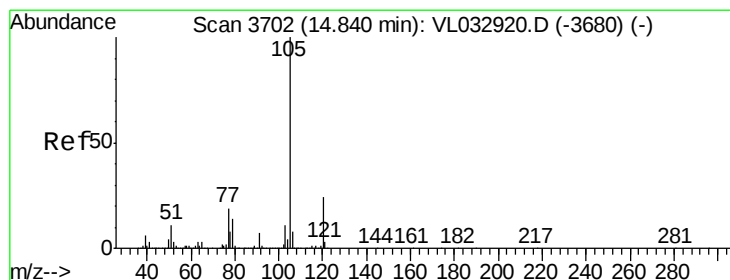
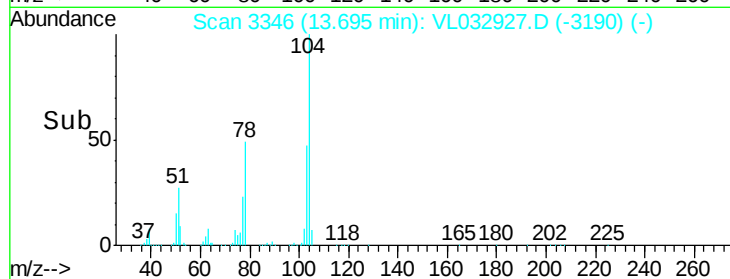
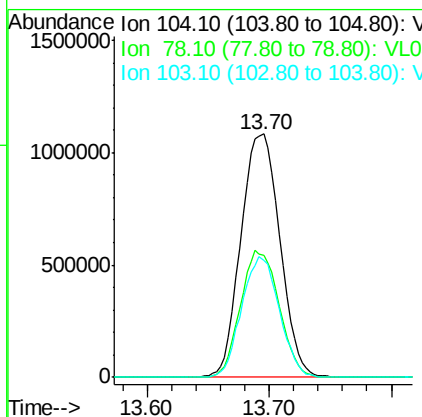
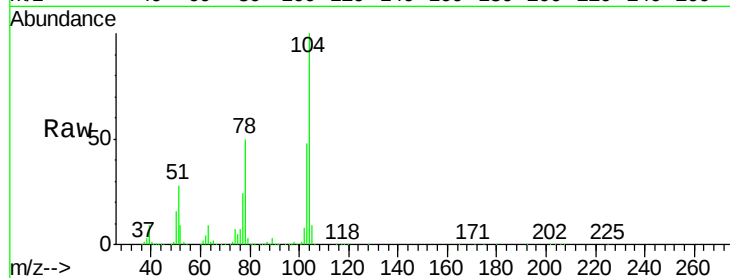
#61
Styrene
Concen: 10.458 ppbv
RT: 13.70 min Scan# 3346
Delta R.T. 0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Instrument :
MSVOA_L
ClientSampleId :
ICVVL120718

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.7	42.0	63.0
103	47.8	38.3	57.5

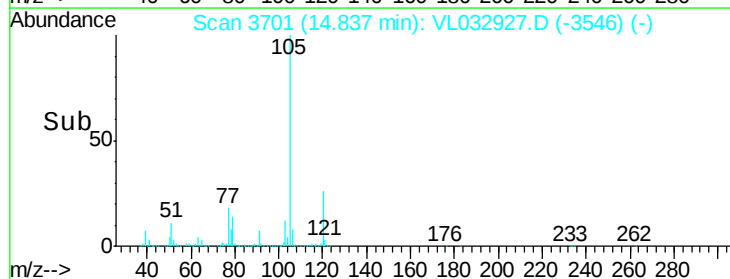
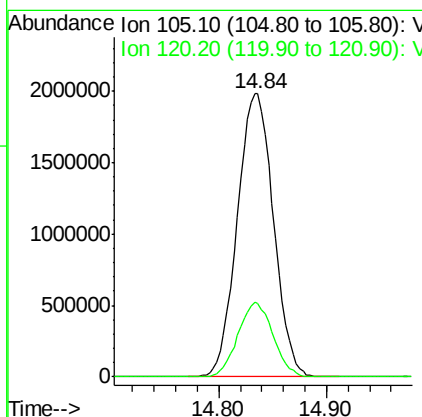
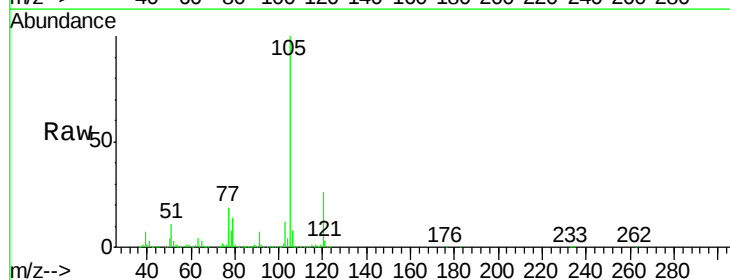
Manual Integrations
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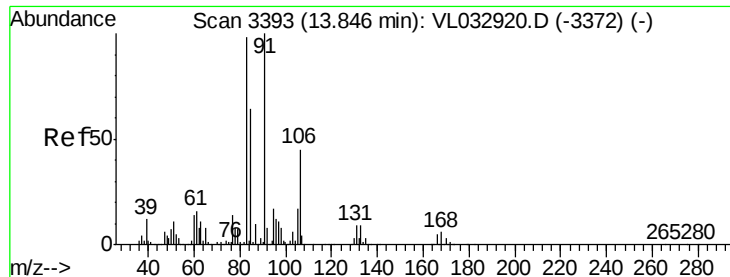
MMDadoda
12/11/2018 10:08:32 AM



#62
Isopropylbenzene
Concen: 9.617 ppbv
RT: 14.84 min Scan# 3701
Delta R.T. -0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.6	20.3	30.5





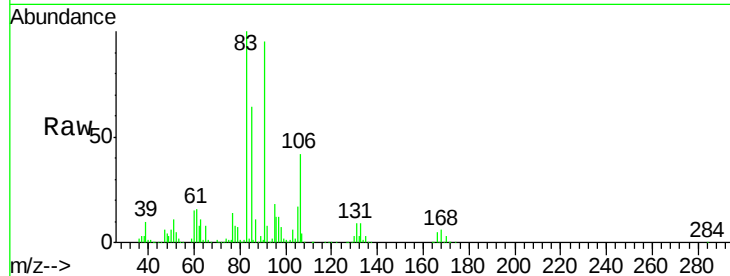
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.154 ppbv
 RT: 13.84 min Scan# 3392
 Delta R.T. -0.00 min
 Lab File: VL032927.D
 Acq: 7 Dec 2018 8:30

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL120718

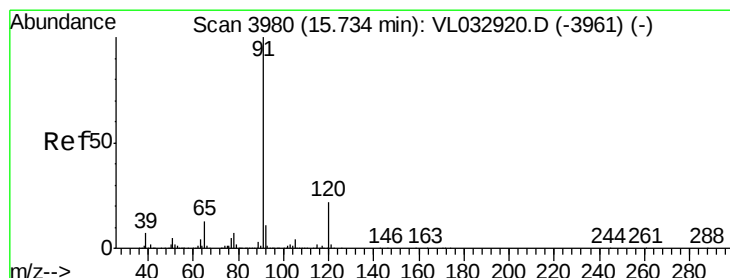
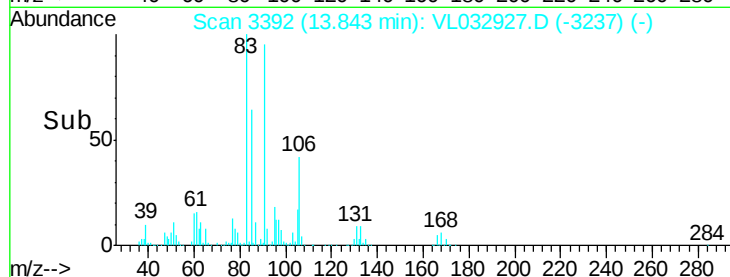
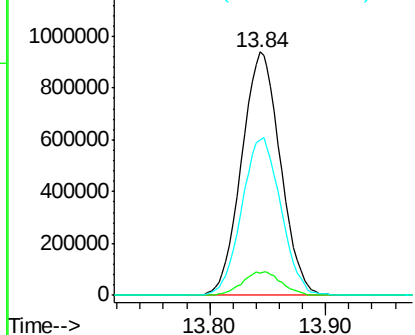
Tgt Ion: 83 Resp: 2180009
 Ion Ratio Lower Upper
 83 100
 131 9.8 4.9 14.6
 85 65.4 32.9 98.6

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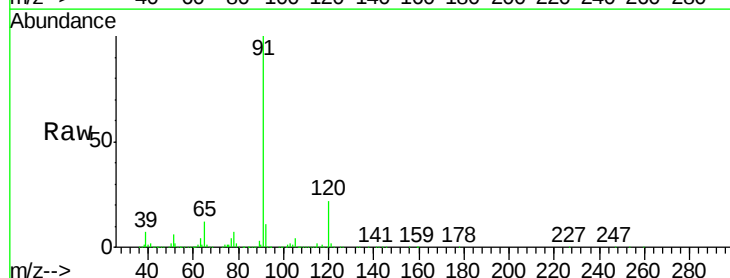


Abundance Ion 83.00 (82.70 to 83.70): VL0
 Ion 131.00 (130.70 to 131.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0

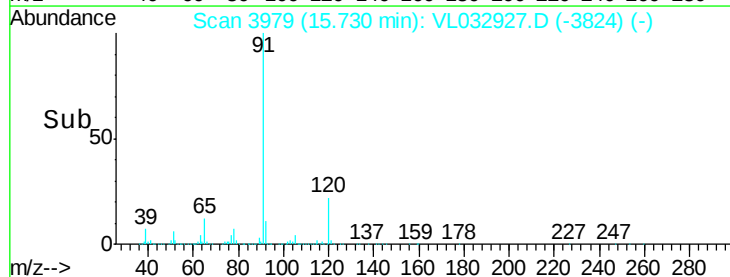
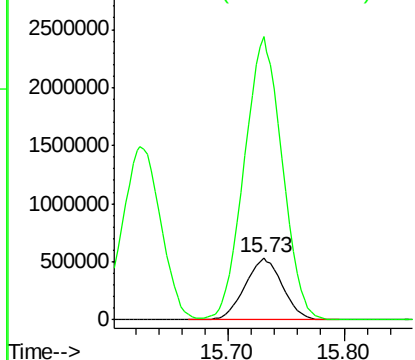


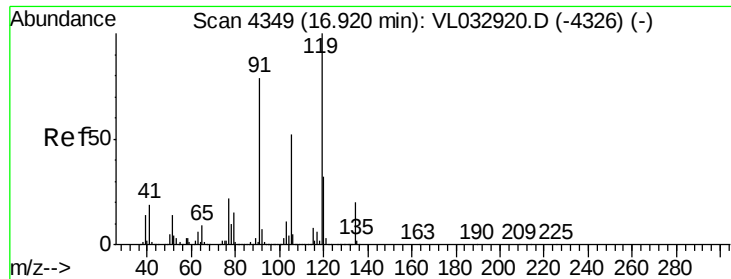
#64
 n-propylbenzene
 Concen: 9.547 ppbv
 RT: 15.73 min Scan# 3979
 Delta R.T. -0.00 min
 Lab File: VL032927.D
 Acq: 7 Dec 2018 8:30

Tgt Ion: 120 Resp: 1191113
 Ion Ratio Lower Upper
 120 100
 91 466.3 380.4 570.6



Abundance Ion 120.20 (119.90 to 120.90): VL0
 Ion 91.10 (90.80 to 91.80): VL0





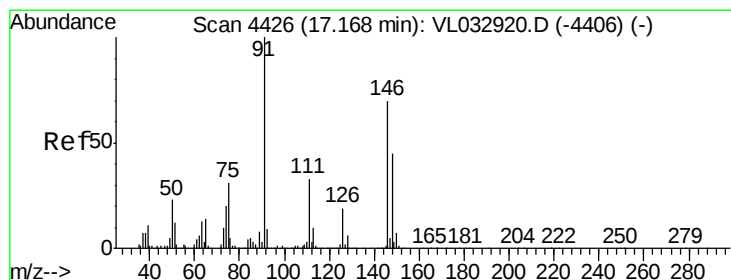
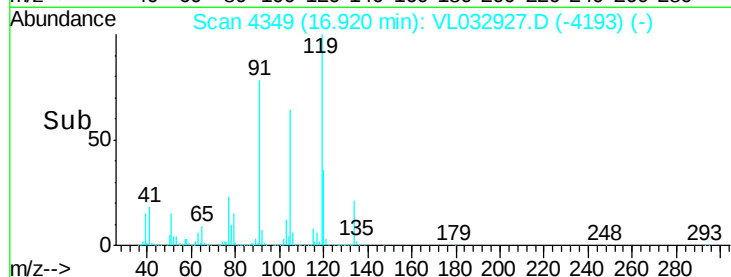
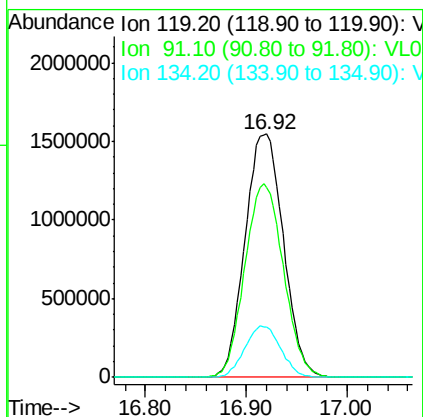
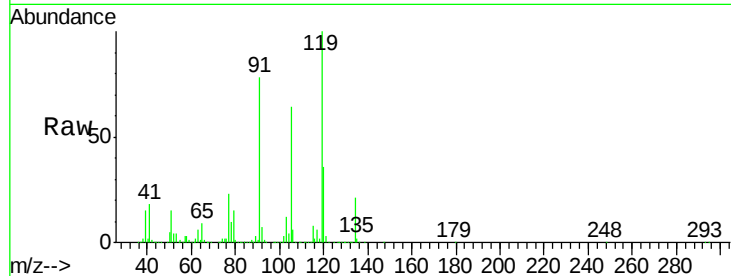
#65
tert-Butylbenzene
Concen: 9.171 ppbv
RT: 16.92 min Scan# 4349
Delta R.T. 0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Instrument :
MSVOA_L
ClientSampleId :
ICVVL120718

Tgt Ion	Ratio	Lower	Upper
119	100		
91	80.2	64.5	96.7
134	19.8	15.7	23.5

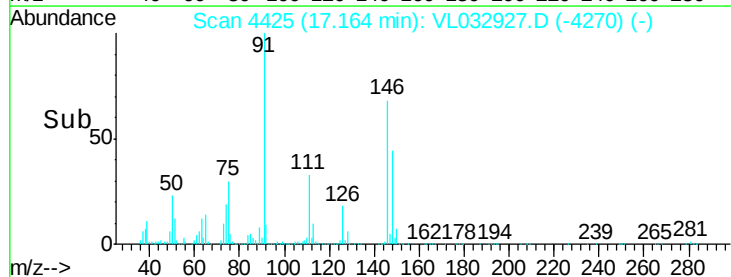
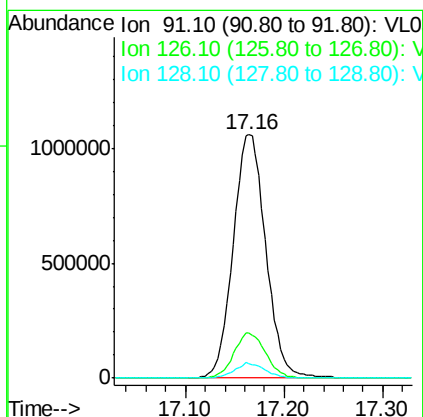
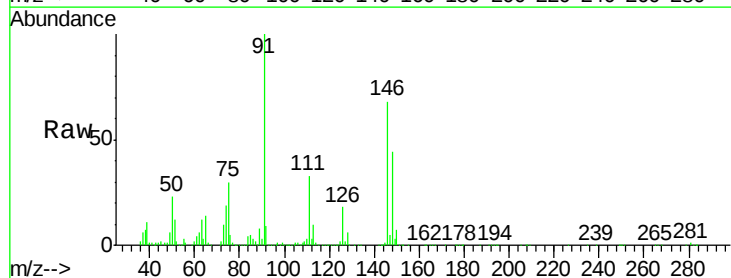
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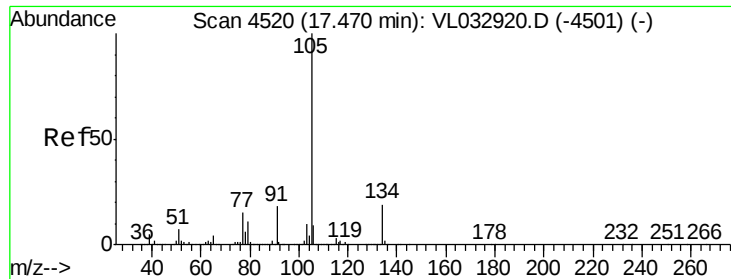
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#66
Benzyl Chloride
Concen: 9.827 ppbv
RT: 17.16 min Scan# 4425
Delta R.T. -0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Tgt Ion	Ratio	Lower	Upper
91	100		
126	18.2	14.1	21.1
128	5.8	4.5	6.7





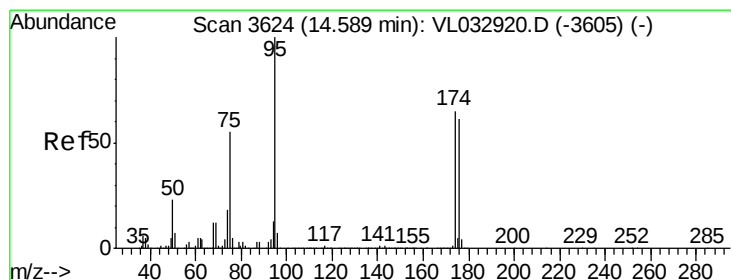
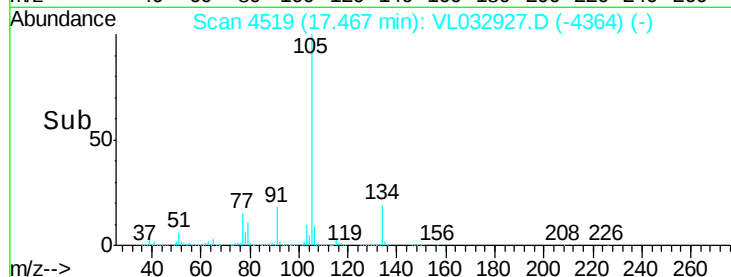
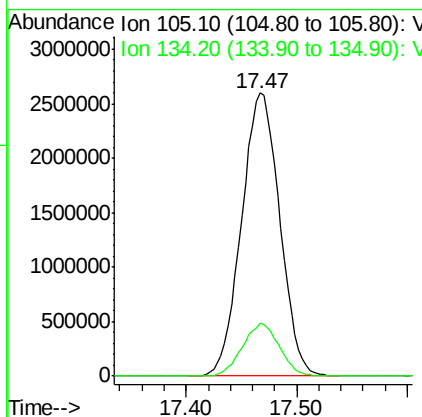
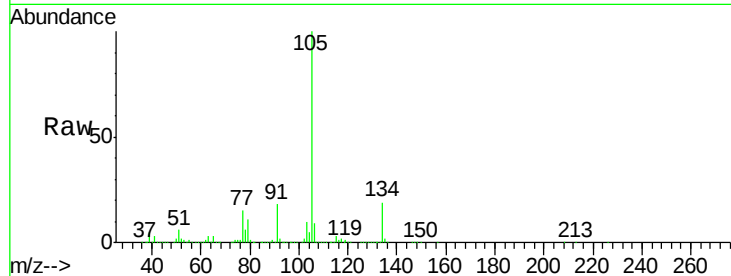
#67
 sec-Butylbenzene
 Concen: 9.518 ppbv
 RT: 17.47 min Scan# 4519
 Delta R.T. -0.00 min
 Lab File: VL032927.D
 Acq: 7 Dec 2018 8:30

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL120718

Tgt Ion: 105 Resp: 6249475
 Ion Ratio Lower Upper
 105 100
 134 18.1 14.6 21.8

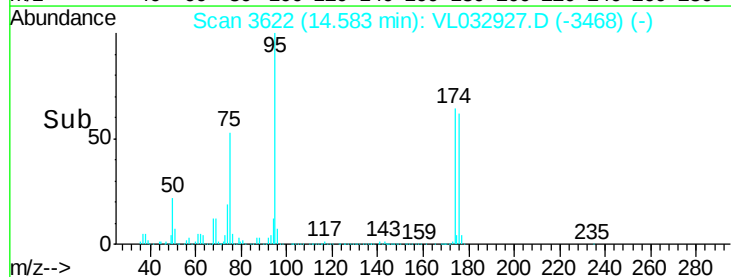
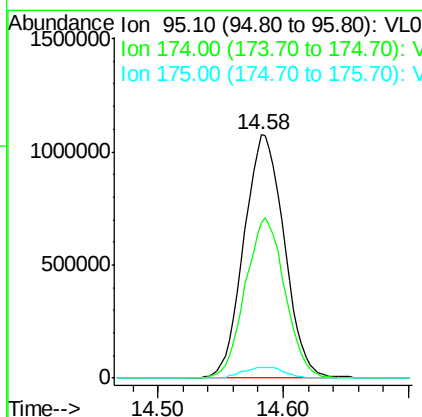
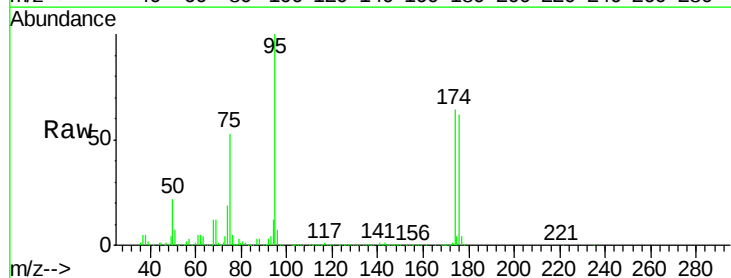
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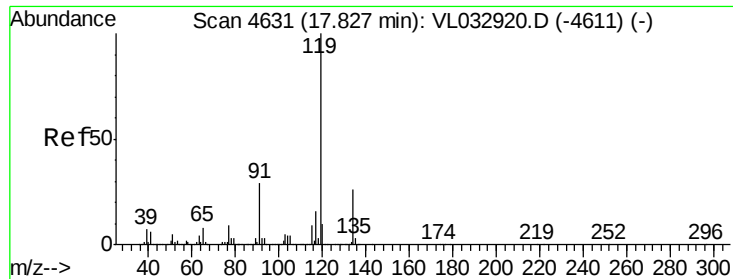
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.199 ppbv
 RT: 14.58 min Scan# 3622
 Delta R.T. -0.01 min
 Lab File: VL032927.D
 Acq: 7 Dec 2018 8:30

Tgt Ion: 95 Resp: 2395610
 Ion Ratio Lower Upper
 95 100
 174 65.3 51.4 77.0
 175 4.7 3.8 5.6





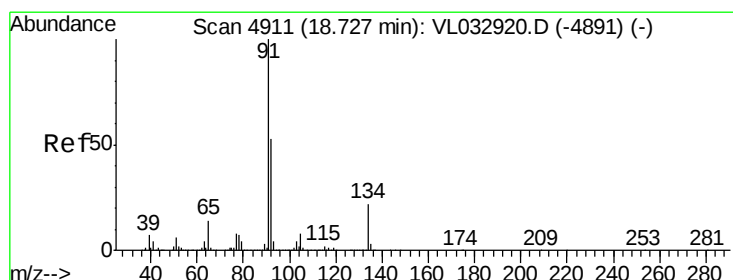
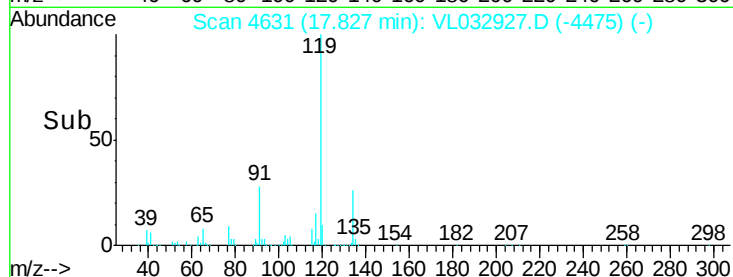
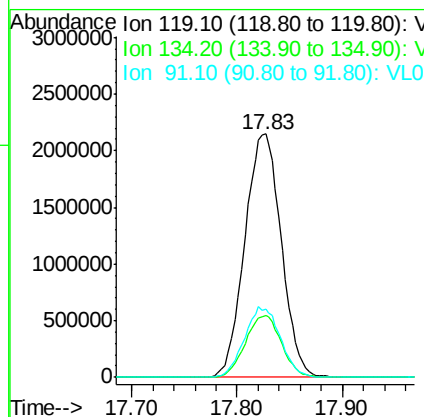
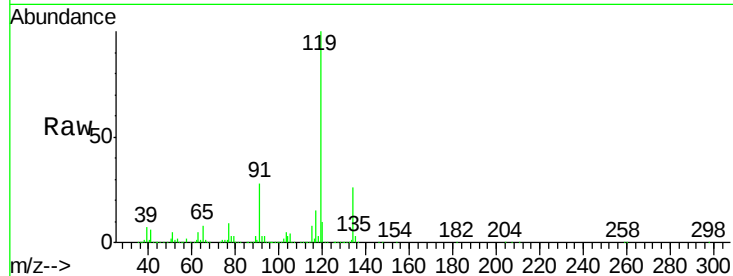
#69
p-Isopropyltoluene
Concen: 9.698 ppbv
RT: 17.83 min Scan# 4631
Delta R.T. 0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Instrument :
MSVOA_L
ClientSampleId :
ICVVL120718

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.1	20.2	30.2
91	28.6	22.9	34.3

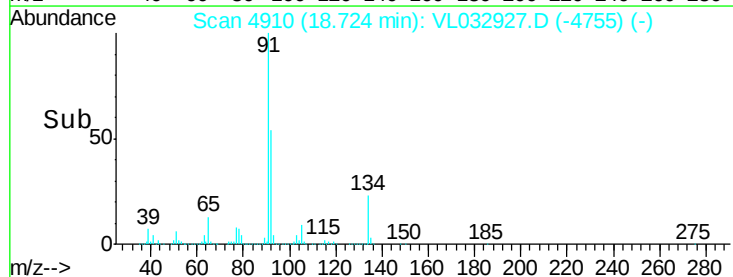
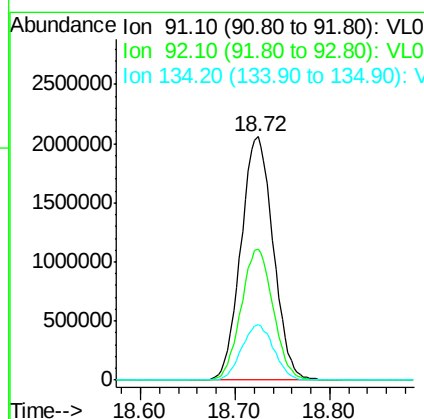
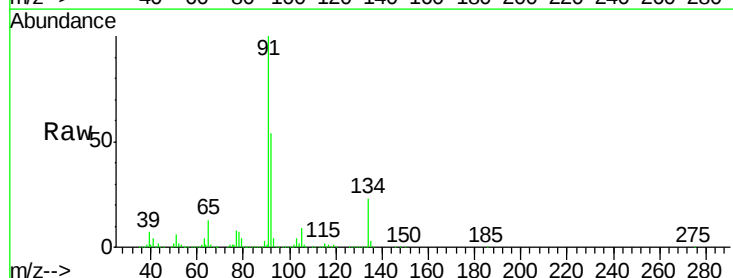
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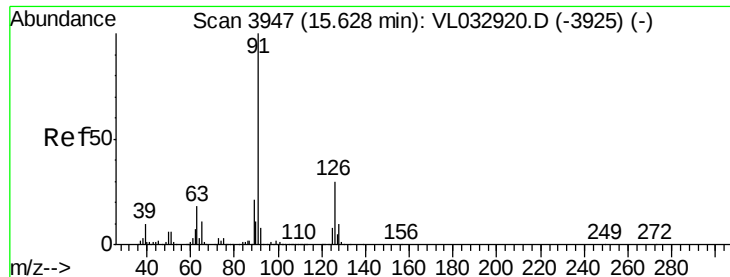
MMDadoda
12/11/2018 10:08:32 AM



#70
n-Butylbenzene
Concen: 9.970 ppbv
RT: 18.72 min Scan# 4910
Delta R.T. -0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.6	42.7	64.1
134	22.7	18.0	27.0





#71

2-Chlorotoluene

Concen: 9.574 ppbv

RT: 15.62 min Scan# 3946

Delta R.T. -0.00 min

Lab File: VL032927.D

Acq: 7 Dec 2018 8:30

Instrument :

MSVOA_L

ClientSampleId :

ICVVL120718

Tgt Ion: 91 Resp: 3420166

Ion Ratio Lower Upper

91 100

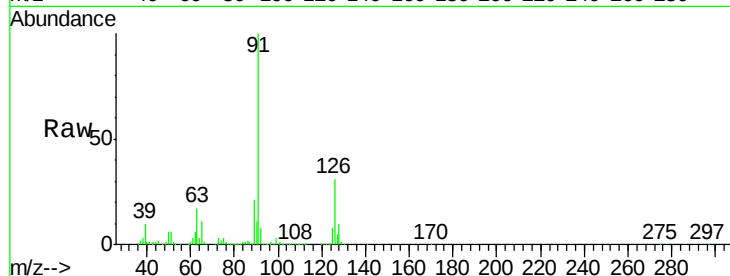
126 31.3 12.3 49.3

Manual Integrations

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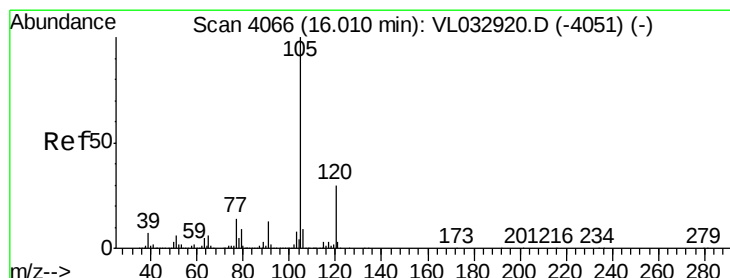
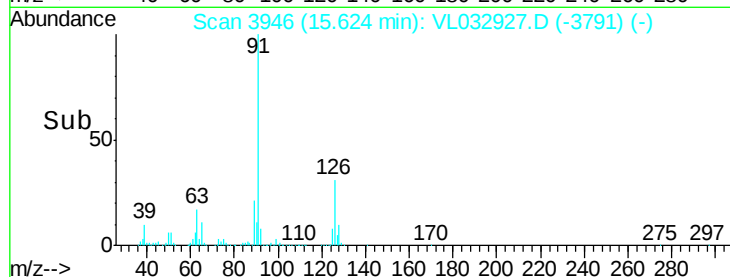
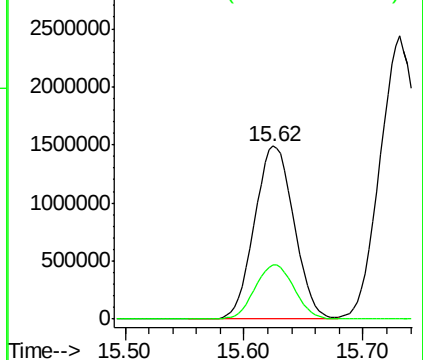
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 10.510 ppbv

RT: 16.01 min Scan# 4066

Delta R.T. 0.00 min

Lab File: VL032927.D

Acq: 7 Dec 2018 8:30

Tgt Ion: 105 Resp: 4039991

Ion Ratio Lower Upper

105 100

120 29.1 23.0 34.4

91 12.6 10.4 15.6

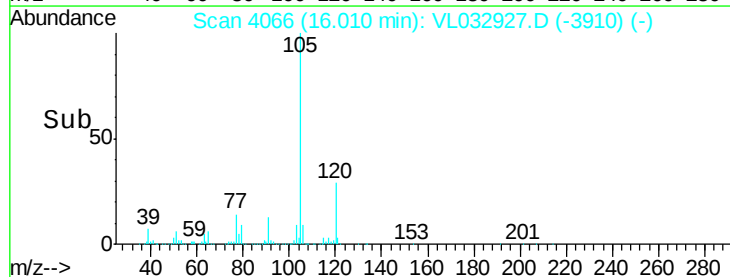
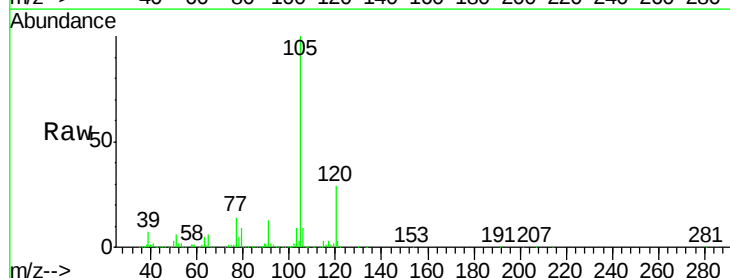
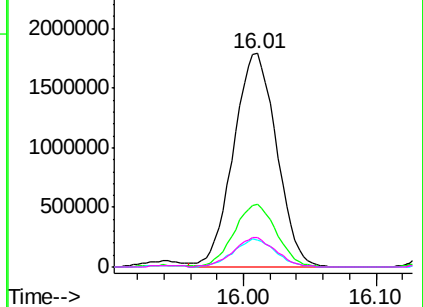
77 13.5 11.0 16.4

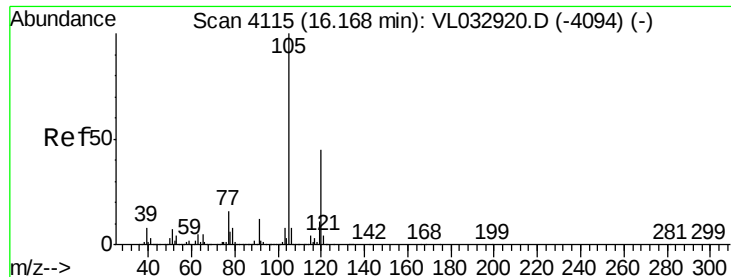
Abundance Ion 105.10 (104.80 to 105.80): V

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





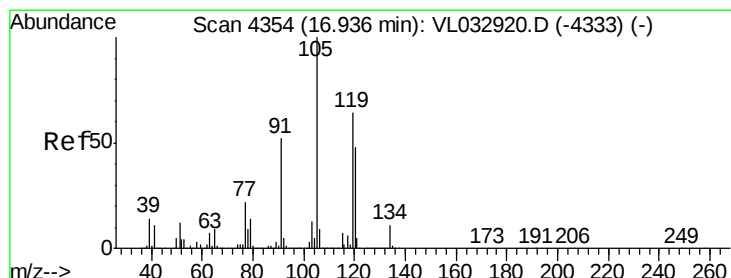
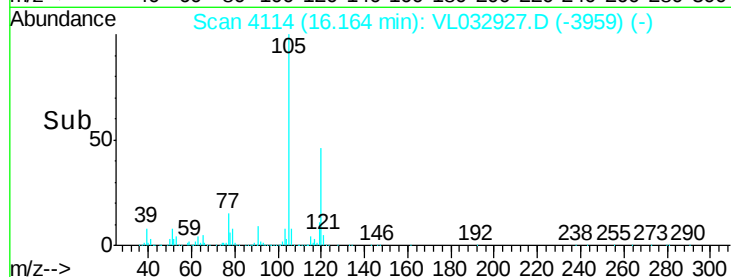
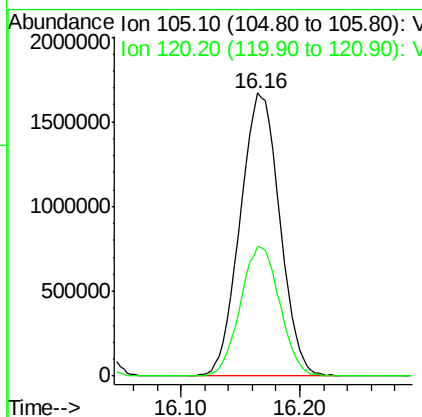
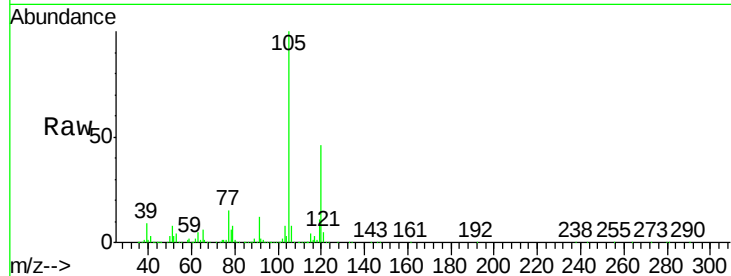
#73
 1,3,5-Trimethylbenzene
 Concen: 10.258 ppbv
 RT: 16.16 min Scan# 4114
 Delta R.T. -0.00 min
 Lab File: VL032927.D
 Acq: 7 Dec 2018 8:30

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL120718

Tgt Ion:105 Resp: 3849298
 Ion Ratio Lower Upper
 105 100
 120 45.9 36.0 54.0

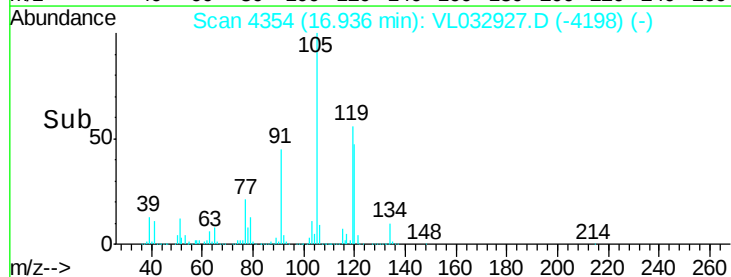
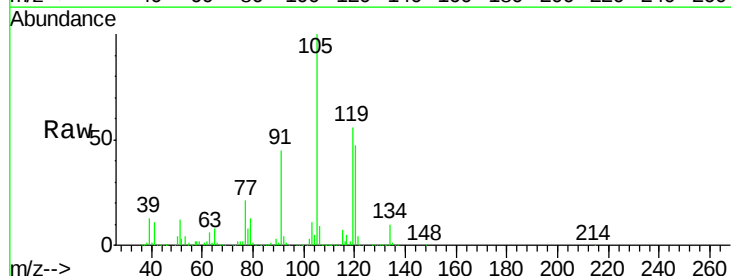
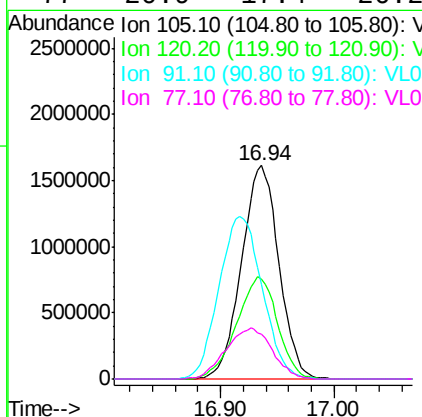
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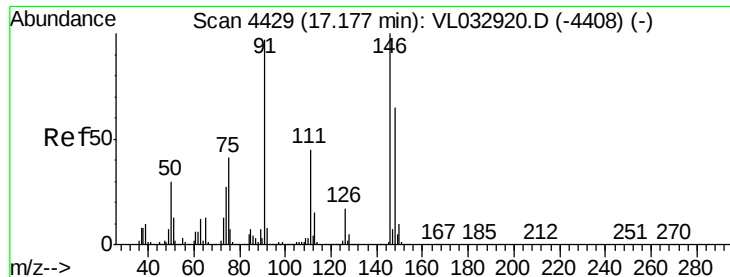
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#74
 1,2,4-Trimethylbenzene
 Concen: 8.727 ppbv
 RT: 16.94 min Scan# 4354
 Delta R.T. 0.00 min
 Lab File: VL032927.D
 Acq: 7 Dec 2018 8:30

Tgt Ion:105 Resp: 3697920
 Ion Ratio Lower Upper
 105 100
 120 47.0 38.6 58.0
 91 44.6 41.7 62.5
 77 20.9 17.4 26.2





#75

1,3-Dichlorobenzene

Concen: 8.392 ppbv

RT: 17.18 min Scan# 4429

Delta R.T. 0.00 min

Lab File: VL032927.D

Acq: 7 Dec 2018 8:30

Instrument :

MSVOA_L

ClientSampleId :

ICVVL120718

Tgt Ion:146 Resp: 2094066

Ion Ratio Lower Upper

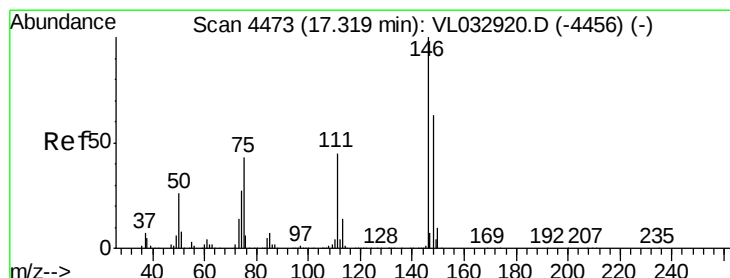
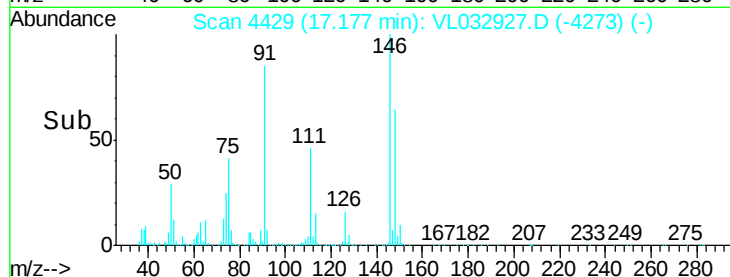
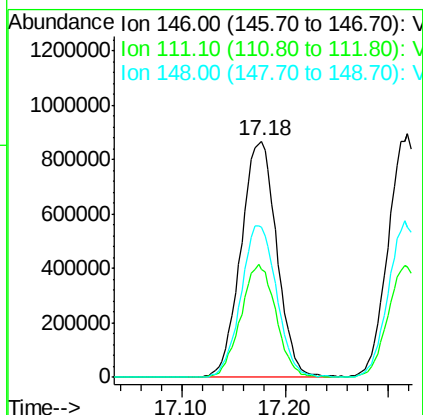
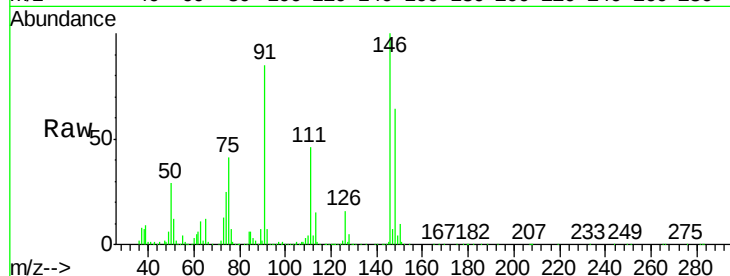
146 100

111 47.0 23.6 70.8

148 64.1 32.1 96.3

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#76

1,4-Dichlorobenzene

Concen: 8.871 ppbv

RT: 17.32 min Scan# 4473

Delta R.T. 0.00 min

Lab File: VL032927.D

Acq: 7 Dec 2018 8:30

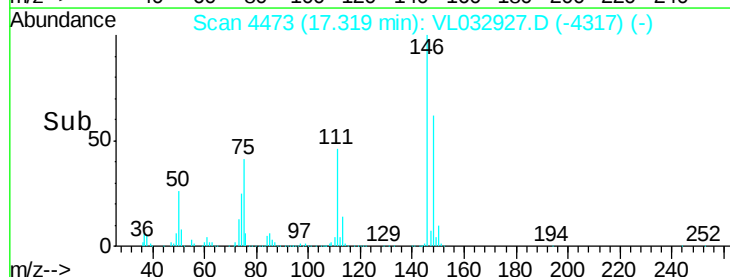
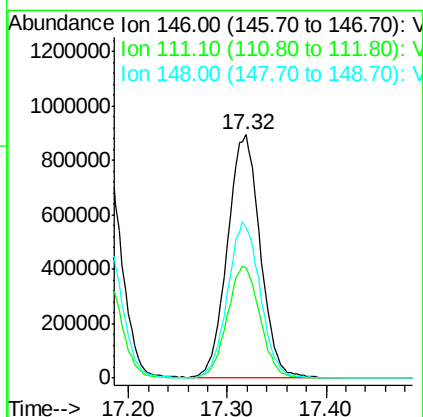
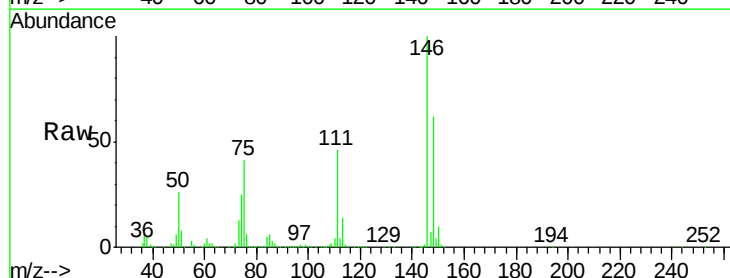
Tgt Ion:146 Resp: 2065409

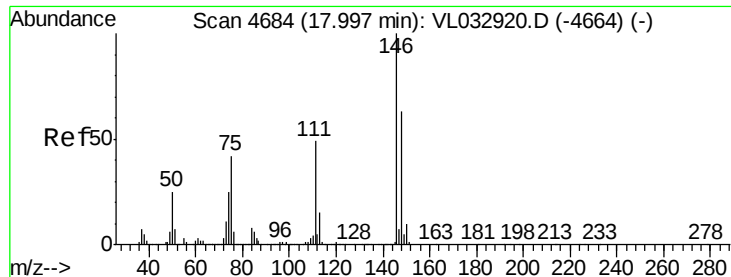
Ion Ratio Lower Upper

146 100

111 46.2 22.8 68.4

148 64.1 32.0 96.2





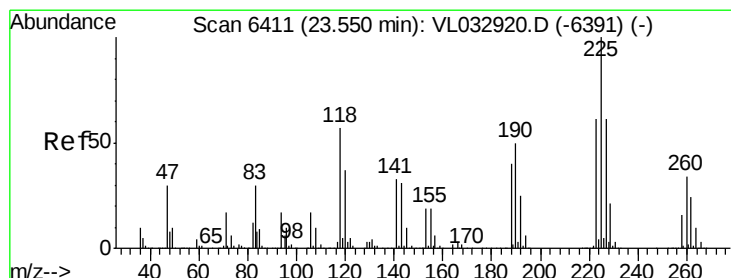
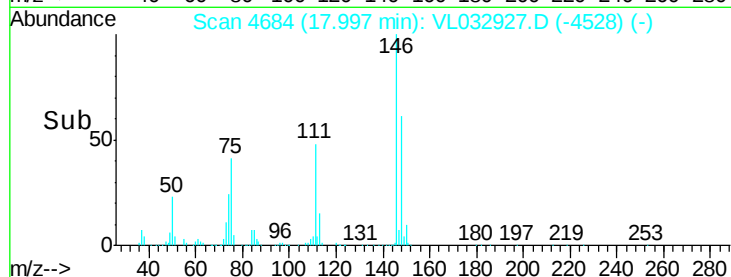
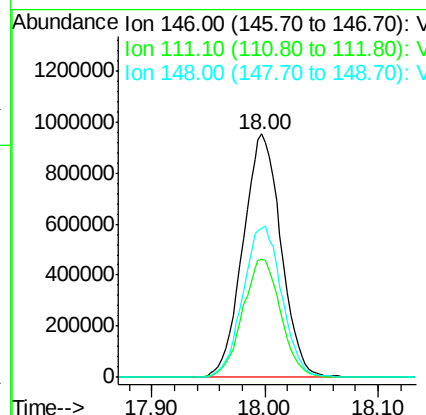
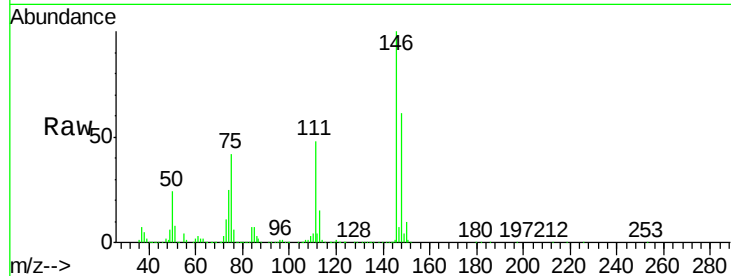
#77
 1,2-Dichlorobenzene
 Concen: 9.552 ppbv
 RT: 18.00 min Scan# 4684
 Delta R.T. 0.00 min
 Lab File: VL032927.D
 Acq: 7 Dec 2018 8:30

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL120718

Tgt Ion	Ratio	Lower	Upper
146	100		
111	48.6	24.3	72.9
148	63.4	32.0	96.2

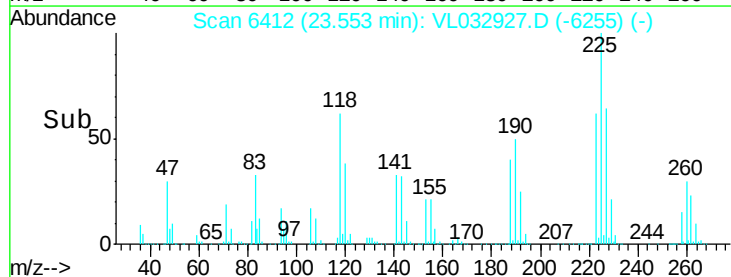
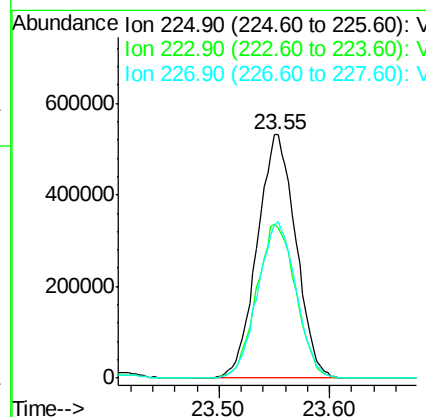
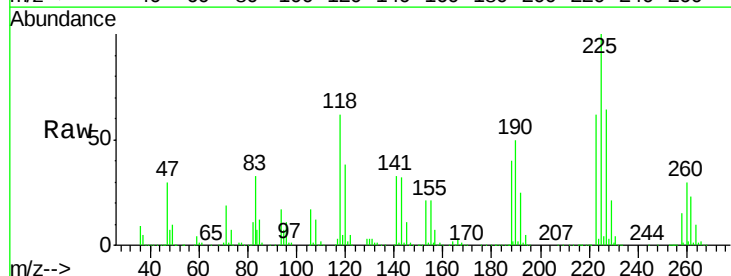
Manual Integrations
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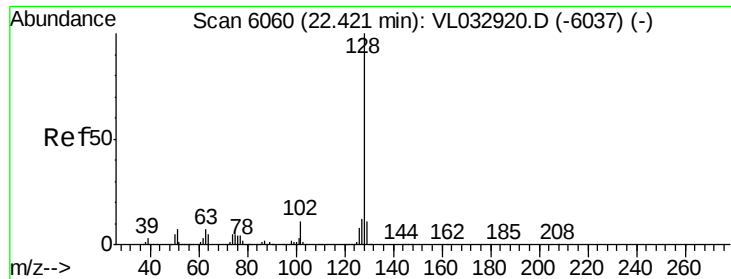
MMDadoda
 12/11/2018 10:08:32 AM



#78
 Hexachloro-1,3-Butadiene
 Concen: 10.033 ppbv
 RT: 23.55 min Scan# 6412
 Delta R.T. 0.00 min
 Lab File: VL032927.D
 Acq: 7 Dec 2018 8:30

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.2	50.6	75.8
227	64.0	50.4	75.6





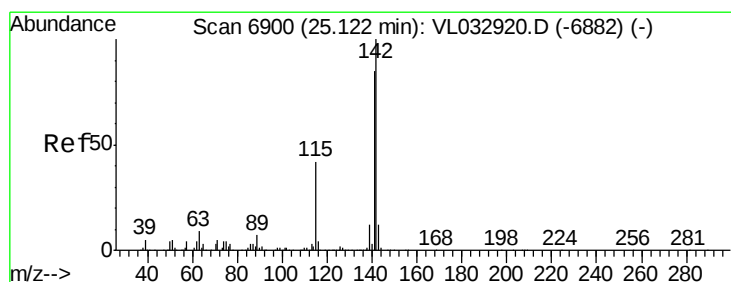
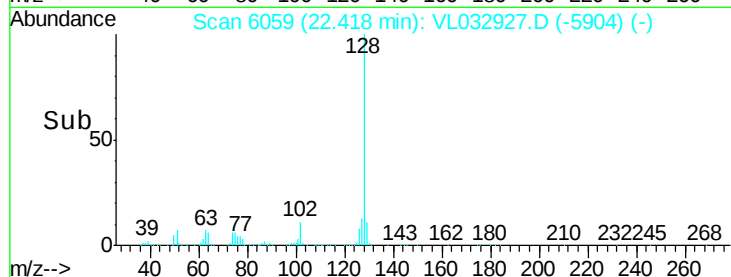
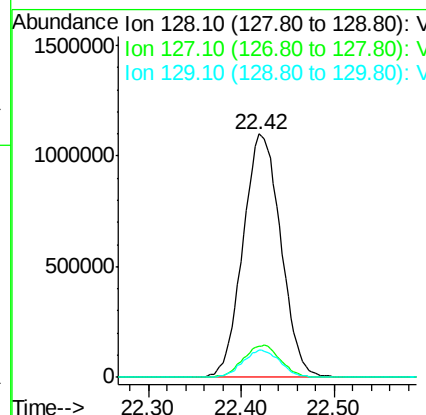
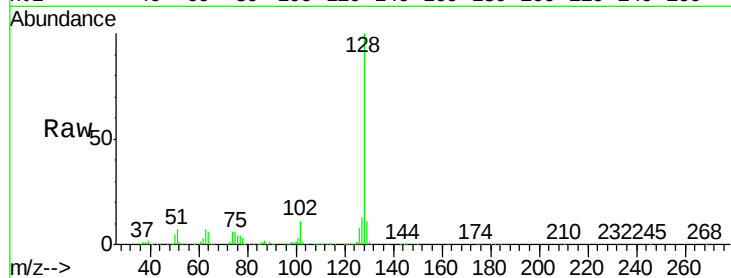
#79
Naphthalene
Concen: 11.362 ppbv
RT: 22.42 min Scan# 6059
Delta R.T. -0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Instrument :
MSVOA_L
ClientSampleId :
ICVVL120718

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.7	9.9	14.9
129	11.4	8.6	13.0

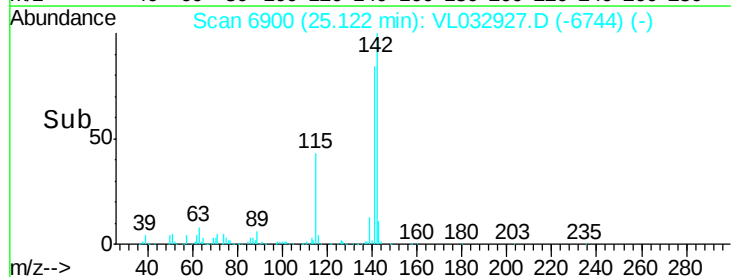
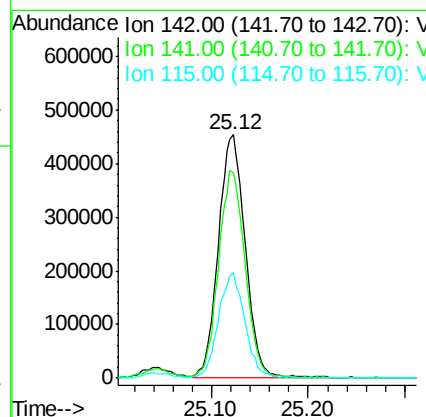
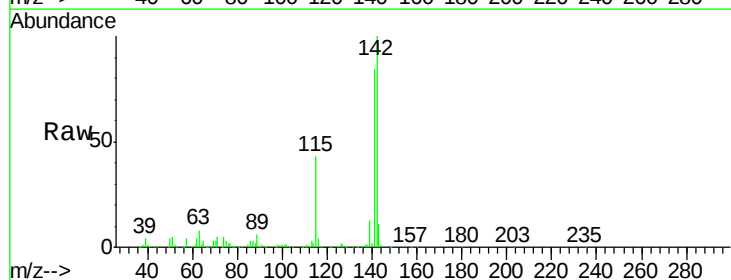
Manual Integrations
APPROVED

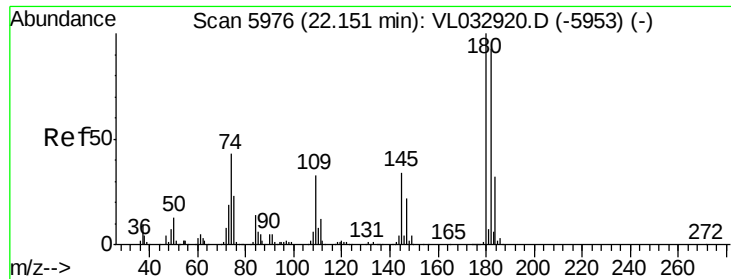
MMDadoda
12/11/2018 10:08:32 AM



#80
Naphthalene, 2-methyl-
Concen: 14.887 ppbv
RT: 25.12 min Scan# 6900
Delta R.T. 0.00 min
Lab File: VL032927.D
Acq: 7 Dec 2018 8:30

Tgt Ion	Ratio	Lower	Upper
142	100		
141	85.6	68.2	102.2
115	42.4	35.1	52.7





#81
 1,2,4-Trichlorobenzene
 Concen: 10.647 ppbv
 RT: 22.15 min Scan# 5975
 Delta R.T. -0.00 min
 Lab File: VL032927.D
 Acq: 7 Dec 2018 8:30

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL120718

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	77.0	115.6
184	30.3	24.3	36.5

Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 10:08:32 AM

