

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL123019\
 Data File : VL034515.D
 Acq On : 30 Dec 2019 14:16
 Operator : SY/AP
 Sample : VSTDIC015
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Manual Integrations
 APPROVED

apatel
 1/2/2020 10:48:56 AM

Quant Time: Dec 30 14:58:20 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL123019AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 30 2019

QLast Update : Mon Dec 30 14:19:57 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1082148	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	2195997	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.14	117	2239926	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.47	95	1912091	10.15	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.50%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.02	85	1750488	8.942	ppbv 99
3) Chlorodifluoromethane	2.96	51	1644002	12.176	ppbv 100
4) Chloromethane	3.11	50	1024563	12.865	ppbv 97
5) Vinyl Chloride	3.23	62	956107	12.814	ppbv 97
6) Bromomethane	3.45	94	505942	13.476	ppbv 97
7) Chloroethane	3.54	64	355347	13.121	ppbv 96
8) Dichlorotetrafluoroethane	3.16	85	2110776	12.006	ppbv 100
9) Propene	2.98	41	708069	11.812	ppbv 99
10) Heptane	8.15	43	1956942	12.650	ppbv 98
11) Trichlorofluoromethane	3.93	101	2469228	12.674	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1661604	12.842	ppbv 100
13) Ethanol	3.58	45	132131	7.913	ppbv 99
14) Bromoethene	3.72	108	698450	13.276	ppbv 99
15) Acetone	3.83	43	1842309	11.889	ppbv 99
16) 1,3-Butadiene	3.30	39	879628	13.031	ppbv 100
17) tert-Butyl alcohol	4.28	59	1328644	10.200	ppbv 100
18) 1,1-Dichloroethene	4.28	96	753427	13.312	ppbv 95
19) Isopropyl Alcohol	3.96	45	1037272	10.443	ppbv 99
20) Methylene Chloride	4.33	84	672236	12.234	ppbv 96
21) Allyl Chloride	4.40	41	1285704	13.846	ppbv 98
22) trans-1,2-Dichloroethene	4.89	96	778670	13.648	ppbv 97
23) Vinyl Acetate	5.08	43	2611918	12.903	ppbv 99
24) 1,1-Dichloroethane	5.01	63	1944951	12.508	ppbv 100
25) Ethyl Acetate	5.69	43	3371084	12.191	ppbv 99
26) Hexane	5.70	57	1459975	12.287	ppbv 98
27) Carbon Disulfide	4.54	76	1992885	15.399	ppbv 99
28) Methyl tert-Butyl Ether	5.03	73	2457519	12.473	ppbv 99
29) Chloroform	5.77	83	2400055	12.473	ppbv 97
30) Cyclohexane	7.15	84	1166272	12.984	ppbv 99
31) cis-1,2-Dichloroethene	5.56	61	1589662	12.947	ppbv 98
32) 1,1,1-Trichloroethane	6.53	97	2451456	13.589	ppbv 99
34) 2-Butanone	5.25	43	2212645	12.241	ppbv 99
35) Carbon Tetrachloride	7.04	117	2619089	13.872	ppbv 96
36) Benzene	6.92	78	2744924	12.504	ppbv 99
37) 1,2-Dichloroethane	6.33	62	2111941	12.950	ppbv 100
38) Trichloroethene	7.87	130	1128381	12.526	ppbv 99
39) 1,2-Dichloropropane	7.64	63	1152833	13.631	ppbv 98
40) 1,4-Dioxane	7.86	88	374287	10.131	ppbv # 90
41) Tetrahydrofuran	6.06	42	1256615	12.394	ppbv 99
42) Bromodichloromethane	7.83	83	2675994	13.120	ppbv 97
43) Methyl Methacrylate	8.05	69	1216685	13.363	ppbv 100

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Manual Integrations
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 1/2/2020 10:48:56 AM

Quant Time: Dec 30 14:58:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL123019AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 30
 QLast Update : Mon Dec 30 14:19:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.90	57	4810018	11.990	ppbv	98
45) t-1,3-Dichloropropene	9.32	75	1718664	14.719	ppbv	96
46) cis-1,3-Dichloropropene	8.74	75	1873236	14.282	ppbv	98
47) 1,1,2-Trichloroethane	9.52	97	1201271	12.769	ppbv	96
48) Dibromochloromethane	10.36	129	2269660	14.051	ppbv	100
49) Bromoform	13.10	173	2062362	14.303	ppbv	100
50) 4-Methyl-2-Pentanone	8.77	43	3316265	12.680	ppbv	98
51) 2-Hexanone	10.18	43	2829190	12.915	ppbv	99
52) Tetrachloroethene	11.27	164	1072034	11.287	ppbv	98
53) Toluene	9.85	91	3216799	12.901	ppbv	100
54) 1,2-Dibromoethane	10.66	107	1831985	12.702	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.18	131	1487668	13.578	ppbv	99
57) Chlorobenzene	12.20	112	2523318	12.462	ppbv	97
58) Ethyl Benzene	12.76	91	4391763	12.634	ppbv	96
59) m/p-Xylene	13.05	91	7338218m	24.422	ppbv	
60) o-Xylene	13.75	91	3750844	12.625	ppbv	99
61) Styrene	13.59	104	2809760	13.115	ppbv	99
62) Isopropylbenzene	14.73	105	4799428	12.215	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.74	83	2622486	11.744	ppbv	99
64) n-propylbenzene	15.62	120	1301797	12.758	ppbv	92
65) tert-Butylbenzene	16.81	119	4324546	12.253	ppbv	99
66) Benzyl Chloride	17.06	91	2309556	17.010	ppbv	99
67) sec-Butylbenzene	17.36	105	5828177	11.805	ppbv	98
69) p-Isopropyltoluene	17.72	119	4906237	11.974	ppbv	98
70) n-Butylbenzene	18.62	91	5170128	11.727	ppbv	98
71) 2-Chlorotoluene	15.52	91	3788245	12.092	ppbv	99
72) 4-Ethyltoluene	15.90	105	4288912	12.494	ppbv	99
73) 1,3,5-Trimethylbenzene	16.06	105	4105116	12.217	ppbv	97
74) 1,2,4-Trimethylbenzene	16.83	105	4193900	11.750	ppbv	93
75) 1,3-Dichlorobenzene	17.07	146	2424526	11.818	ppbv	99
76) 1,4-Dichlorobenzene	17.21	146	2435871	12.227	ppbv	98
77) 1,2-Dichlorobenzene	17.89	146	2339476	11.806	ppbv	99
78) Hexachloro-1,3-Butadiene	23.45	225	2238638	13.149	ppbv	100
79) Naphthalene	22.29	128	4003183	12.938	ppbv	98
80) Naphthalene, 2-methyl-	25.03	142	2188617	15.665	ppbv #	94
81) 1,2,4-Trichlorobenzene	22.02	180	2369296	12.464	ppbv	100

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

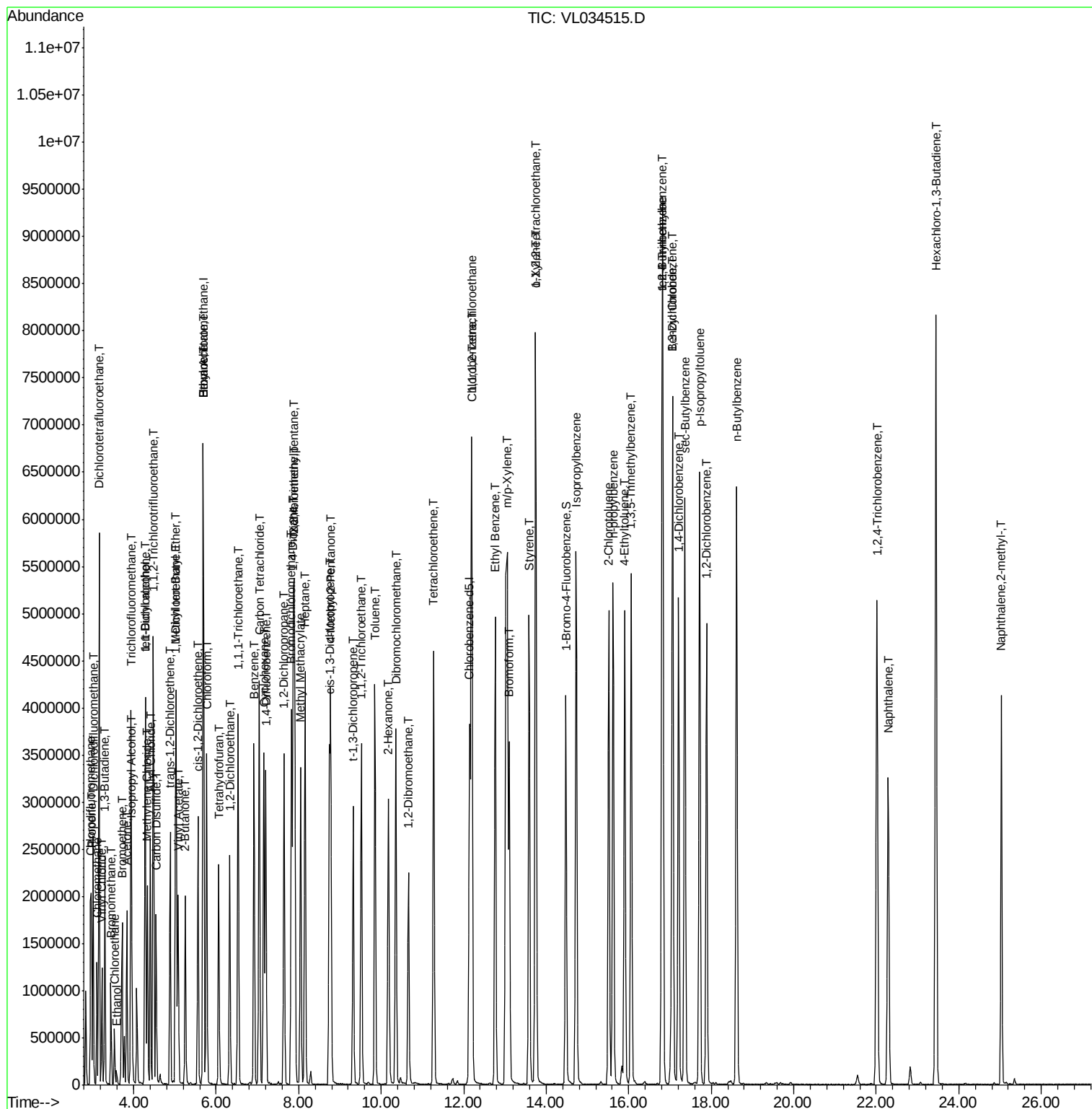
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL123019\
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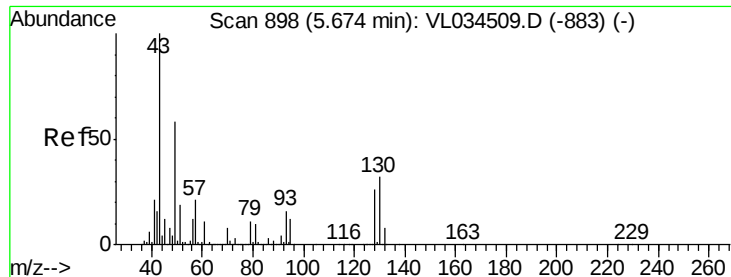
Instrument :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL123019AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec
QLast Update : Mon Dec 30 14:19:57 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 899

Delta R.T. 0.00 min

Lab File: VL034515.D

Acq: 30 Dec 2019 14:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 49 Resp: 1082148

Ion Ratio Lower Upper

49 100

128 43.9 22.4 67.2

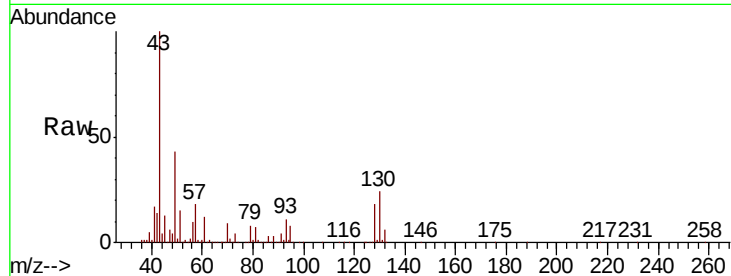
130 56.1 28.3 85.0

Manual Integrations

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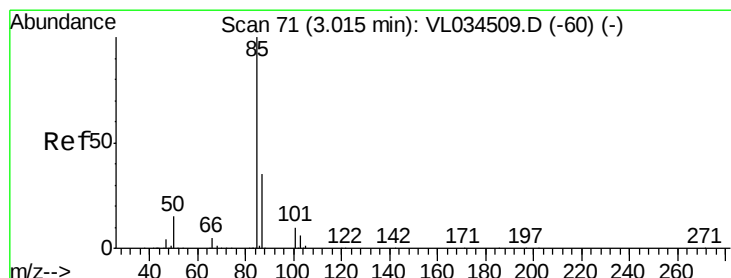
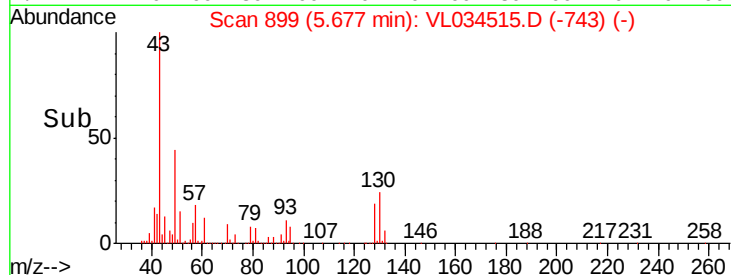
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V

5.68

Time-->



#2

Dichlorodifluoromethane

Concen: 8.942 ppbv

RT: 3.02 min Scan# 72

Delta R.T. 0.00 min

Lab File: VL034515.D

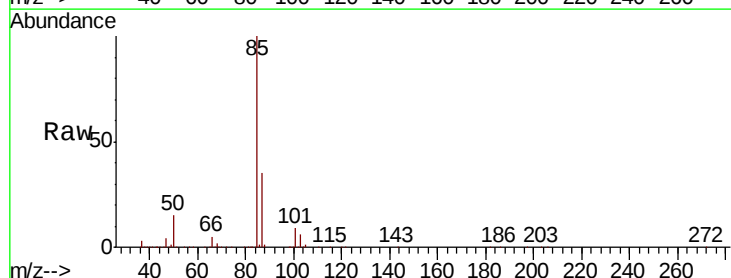
Acq: 30 Dec 2019 14:16

Tgt Ion: 85 Resp: 1750488

Ion Ratio Lower Upper

85 100

87 35.5 27.9 41.9

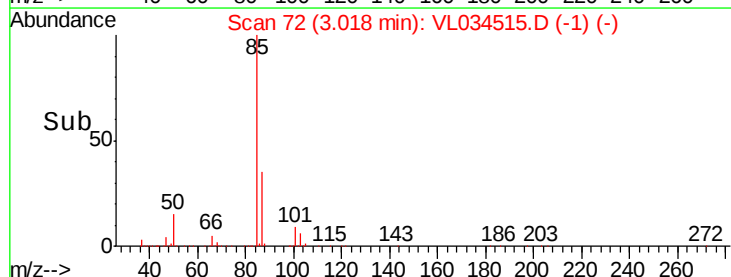


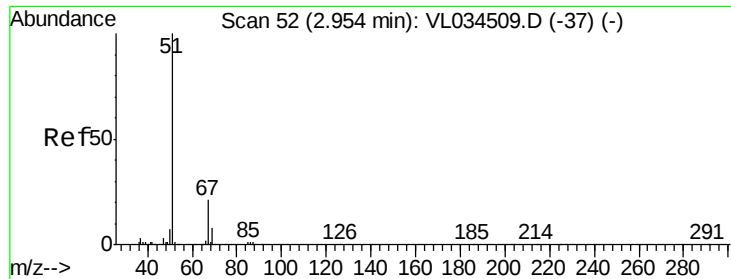
Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.02

Time-->





#3

Chlorodifluoromethane

Concen: 12.176 ppbv

RT: 2.96 min Scan# 53

Delta R.T. 0.00 min

Lab File: VL034515.D

Acq: 30 Dec 2019 14:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 51 Resp: 1644002

Ion Ratio Lower Upper

51 100

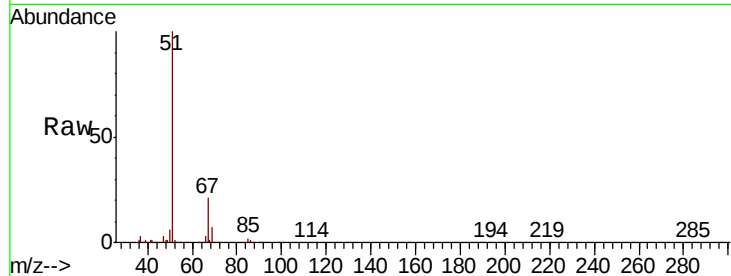
67 21.1 16.8 25.2

Manual Integrations

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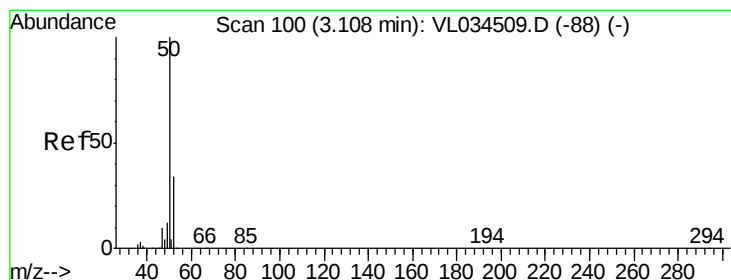
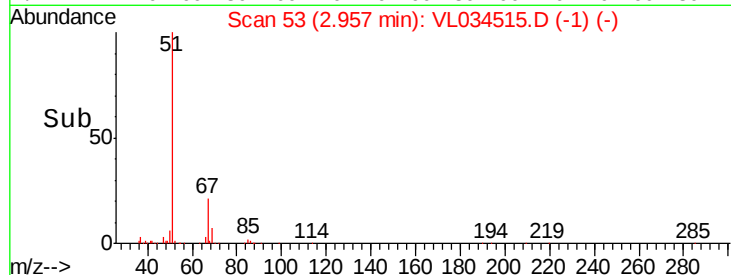
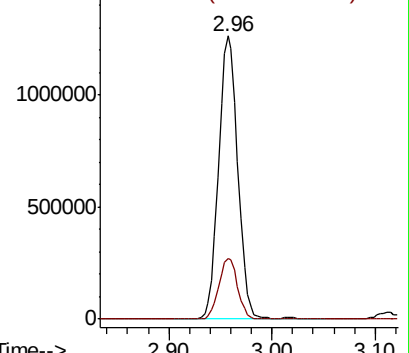
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 12.865 ppbv

RT: 3.11 min Scan# 101

Delta R.T. 0.00 min

Lab File: VL034515.D

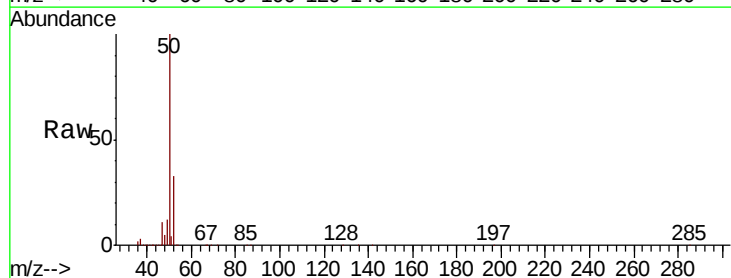
Acq: 30 Dec 2019 14:16

Tgt Ion: 50 Resp: 1024563

Ion Ratio Lower Upper

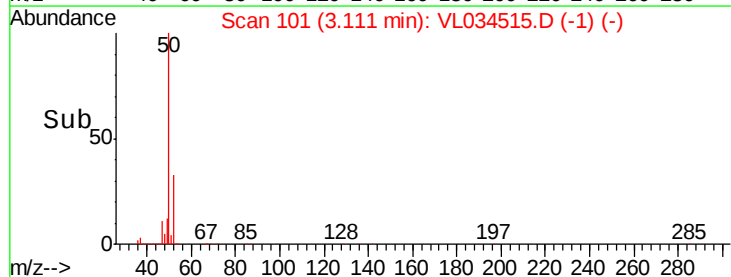
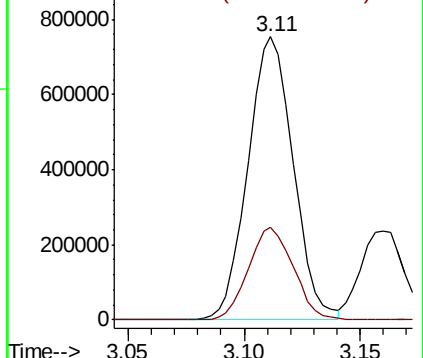
50 100

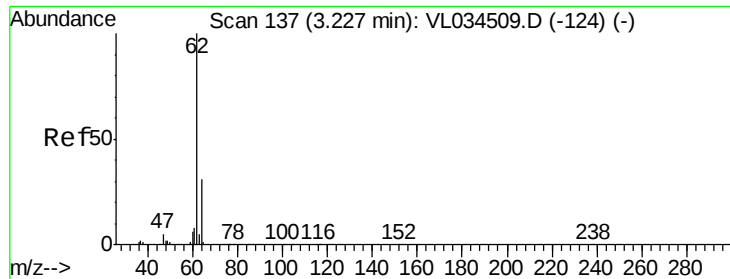
52 32.9 27.6 41.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 12.814 ppbv

RT: 3.23 min Scan# 138

Delta R.T. 0.00 min

Lab File: VL034515.D

Acq: 30 Dec 2019 14:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 62 Resp: 956107

Ion Ratio Lower Upper

62 100

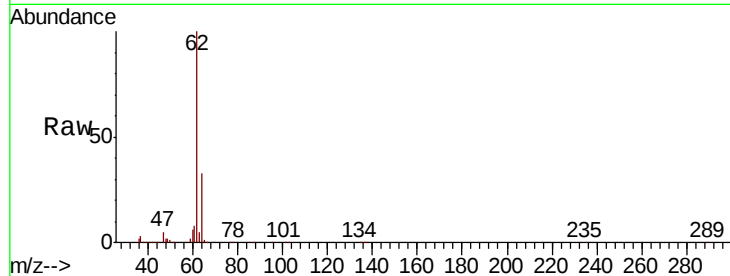
64 32.7 24.9 37.3

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.23

800000

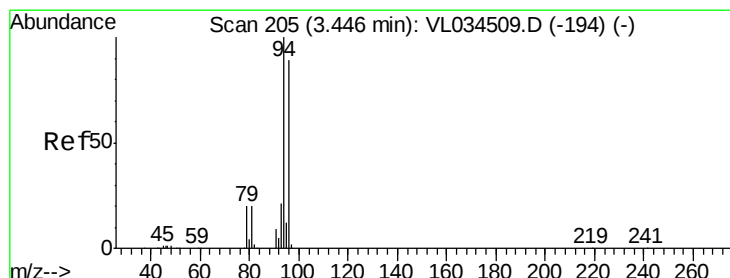
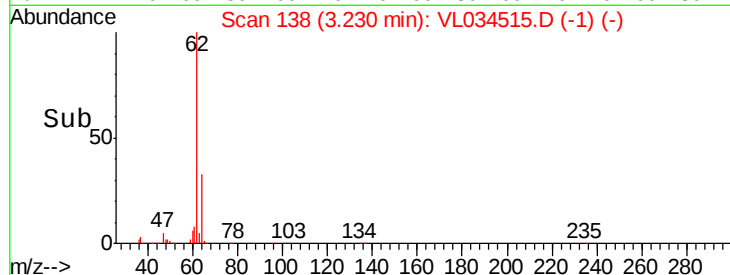
600000

400000

200000

0

Time-->



#6

Bromomethane

Concen: 13.476 ppbv

RT: 3.45 min Scan# 206

Delta R.T. 0.00 min

Lab File: VL034515.D

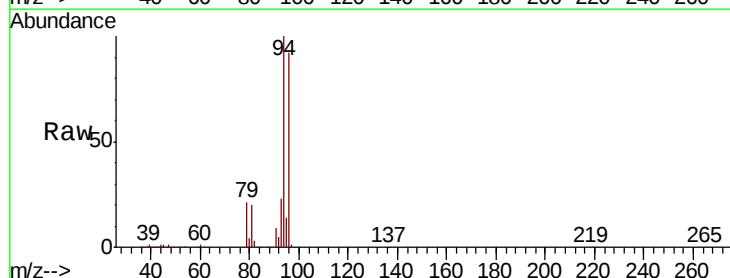
Acq: 30 Dec 2019 14:16

Tgt Ion: 94 Resp: 505942

Ion Ratio Lower Upper

94 100

96 92.0 71.2 106.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.45

400000

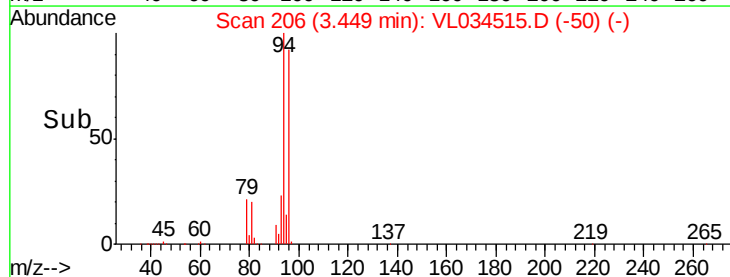
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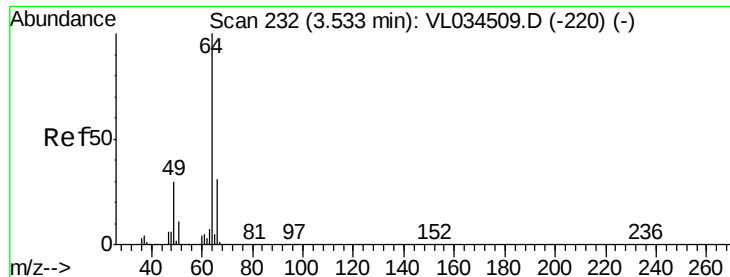
200000

100000

0

Time-->





#7

Chloroethane

Concen: 13.121 ppbv

RT: 3.54 min Scan# 233

Delta R.T. 0.00 min

Lab File: VL034515.D

Acq: 30 Dec 2019 14:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 64 Resp: 355347

Ion Ratio Lower Upper

64 100

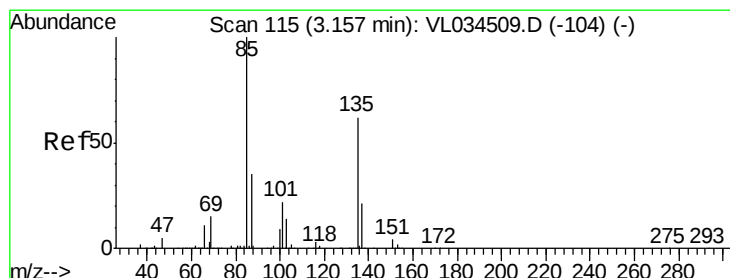
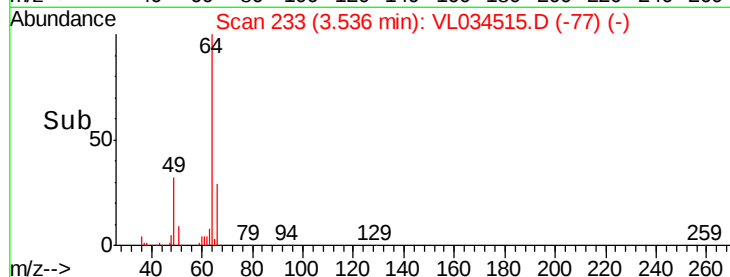
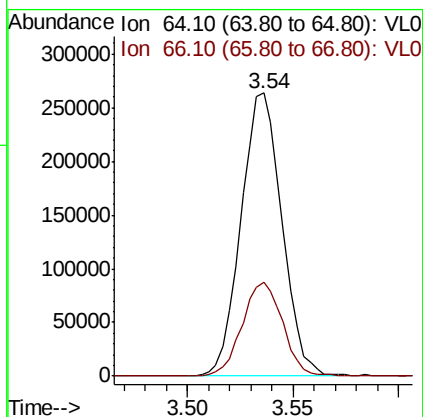
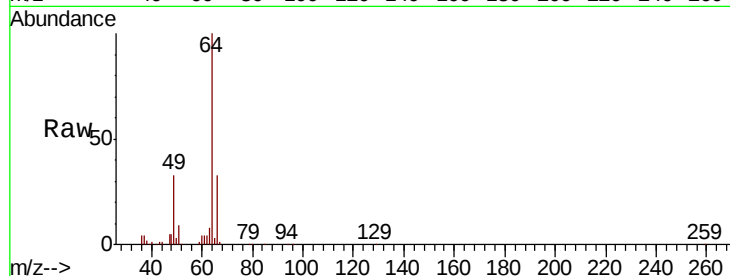
66 33.2 25.0 37.4

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#8

Dichlorotetrafluoroethane

Concen: 12.006 ppbv

RT: 3.16 min Scan# 116

Delta R.T. 0.00 min

Lab File: VL034515.D

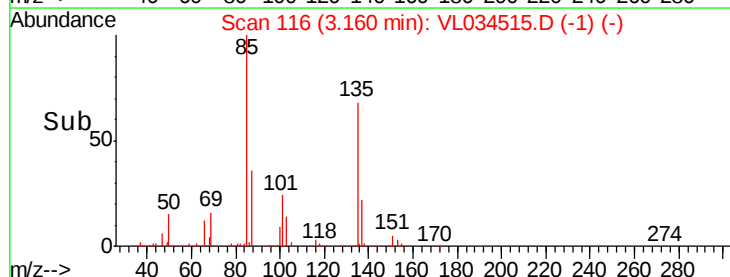
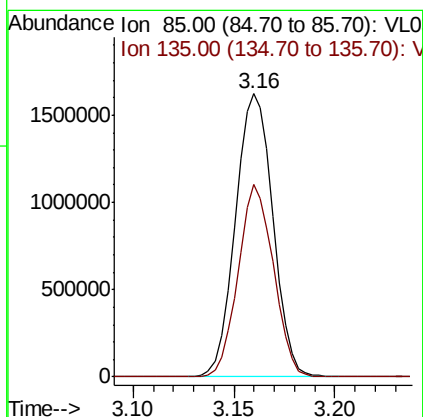
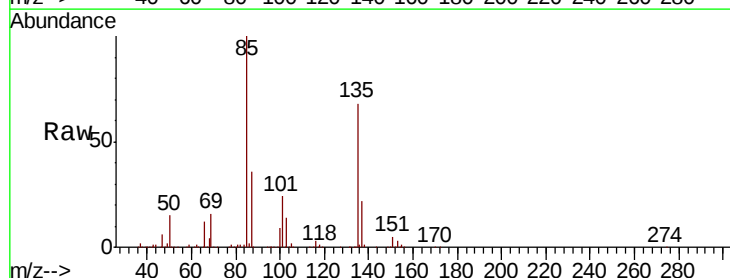
Acq: 30 Dec 2019 14:16

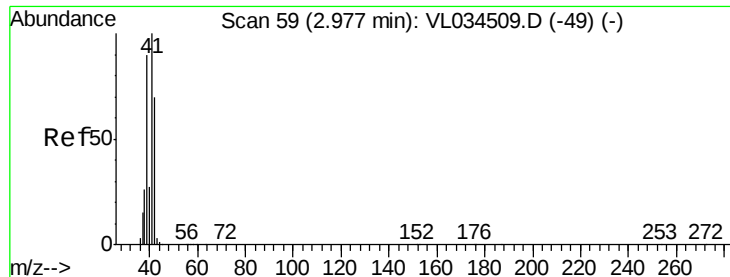
Tgt Ion: 85 Resp: 2110776

Ion Ratio Lower Upper

85 100

135 64.7 51.8 77.8





#9

Propene

Concen: 11.812 ppbv

RT: 2.98 min Scan# 60

Delta R.T. 0.00 min

Lab File: VL034515.D

Acq: 30 Dec 2019 14:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 41 Resp: 708069

Ion Ratio Lower Upper

41 100

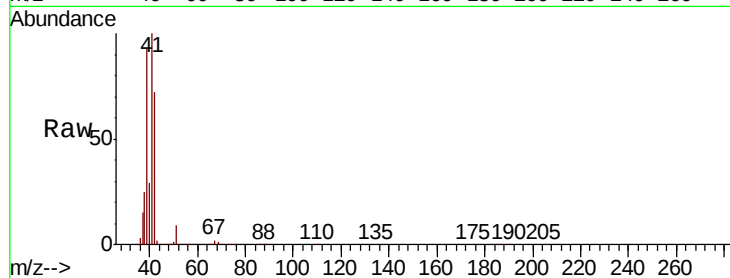
42 70.7 55.8 83.6

Manual Integrations

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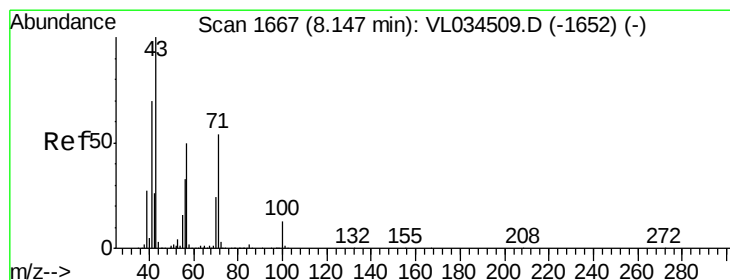
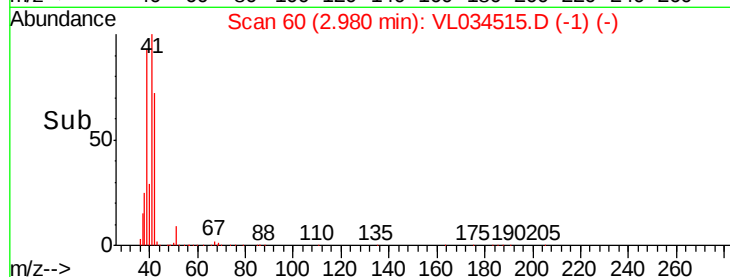
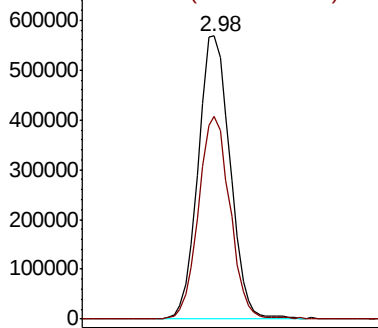
apatel

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Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 12.650 ppbv

RT: 8.15 min Scan# 1669

Delta R.T. 0.01 min

Lab File: VL034515.D

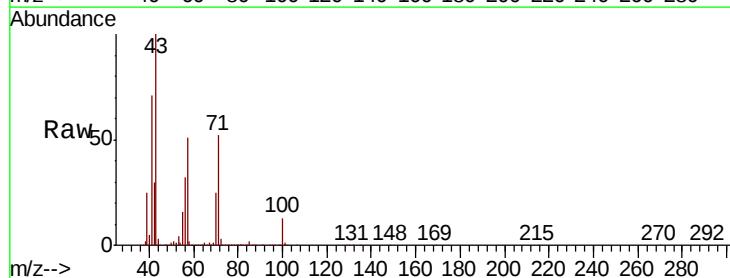
Acq: 30 Dec 2019 14:16

Tgt Ion: 43 Resp: 1956942

Ion Ratio Lower Upper

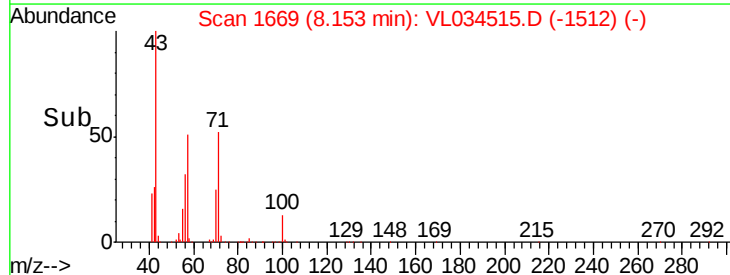
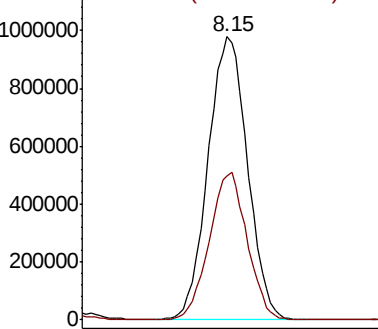
43 100

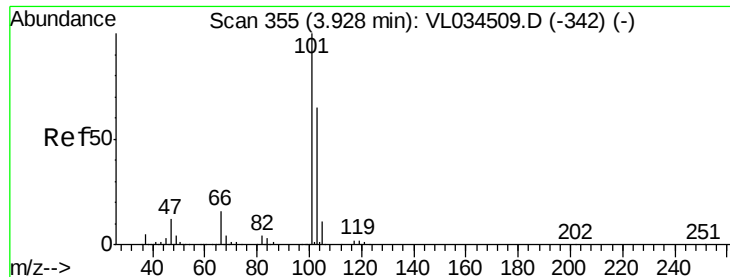
57 50.0 41.0 61.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





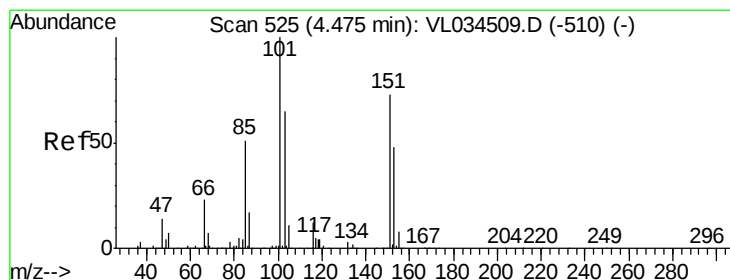
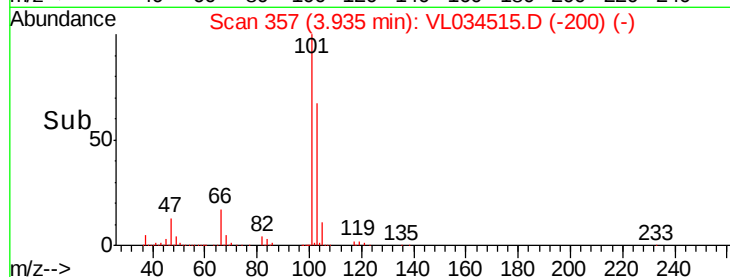
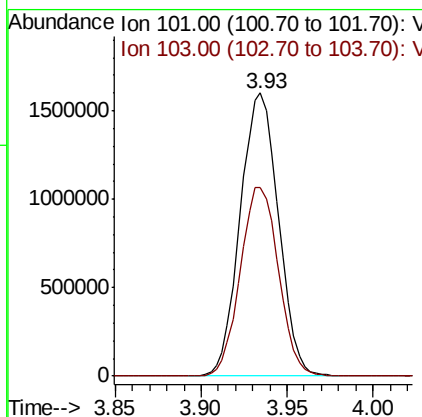
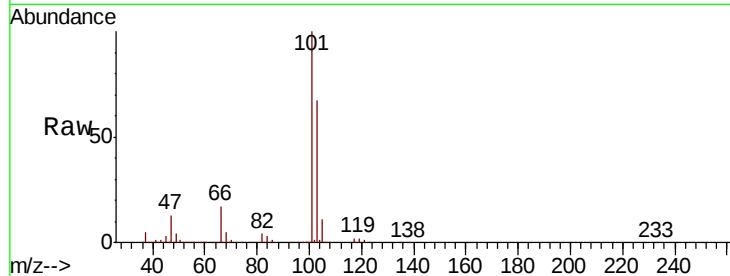
#11
 Trichlorofluoromethane
 Concen: 12.674 ppbv
 RT: 3.93 min Scan# 357
 Delta R.T. 0.01 min
 Lab File: VL034515.D
 Acq: 30 Dec 2019 14:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion:101 Resp: 2469228
 Ion Ratio Lower Upper
 101 100
 103 66.6 52.1 78.1

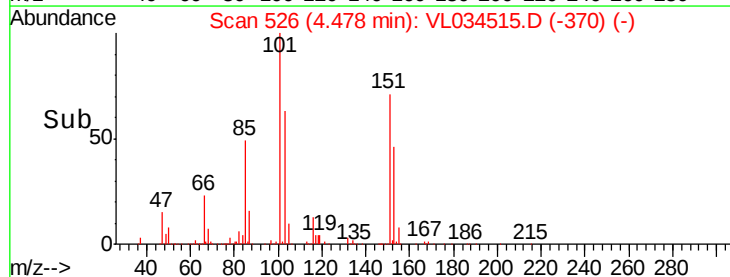
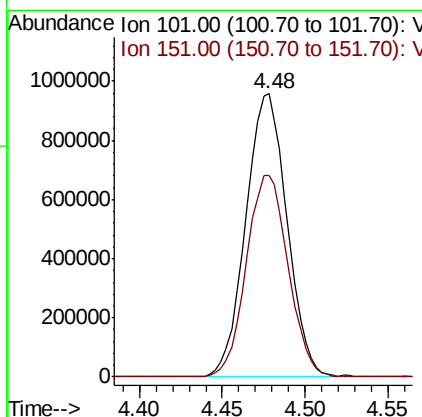
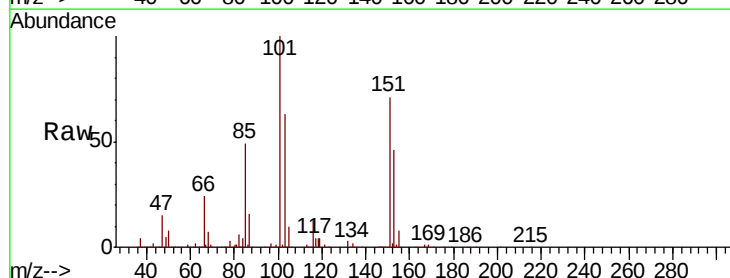
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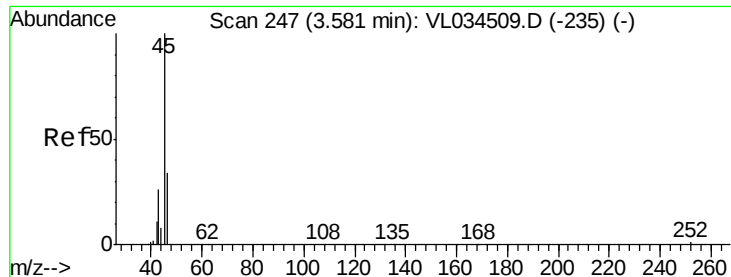
apatel
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 12.842 ppbv
 RT: 4.48 min Scan# 526
 Delta R.T. 0.00 min
 Lab File: VL034515.D
 Acq: 30 Dec 2019 14:16

Tgt Ion:101 Resp: 1661604
 Ion Ratio Lower Upper
 101 100
 151 72.2 57.8 86.6





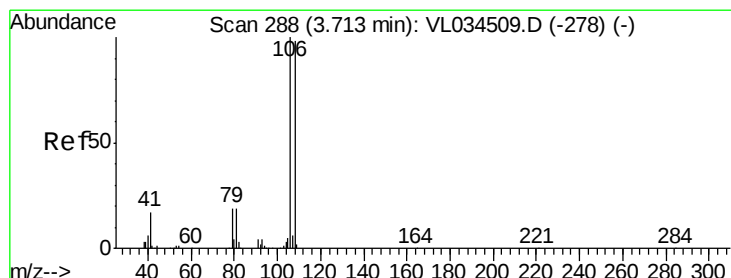
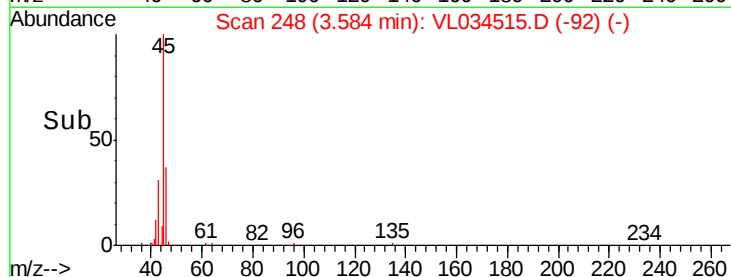
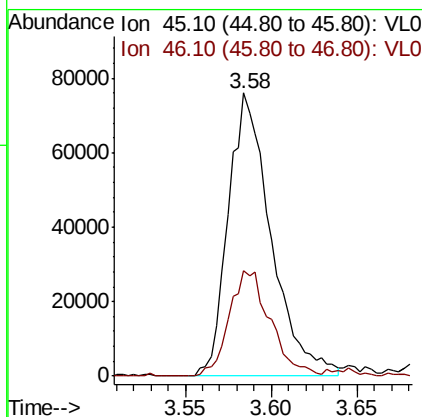
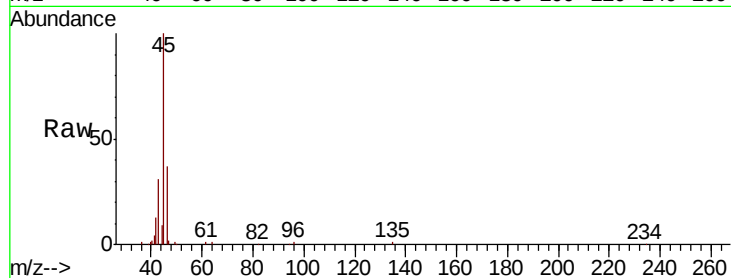
#13
Ethanol
Concen: 7.913 ppbv
RT: 3.58 min Scan# 248
Delta R.T. 0.00 min
Lab File: VL034515.D
Acq: 30 Dec 2019 14:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
45	100		
46	38.1	14.9	59.7

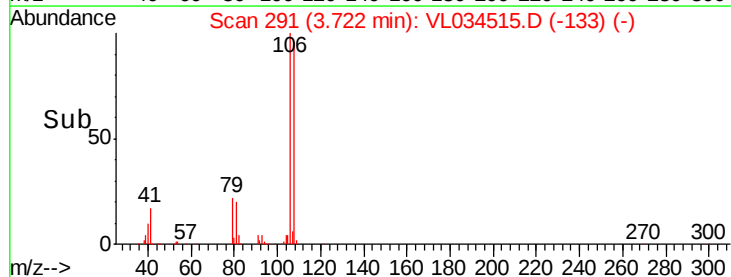
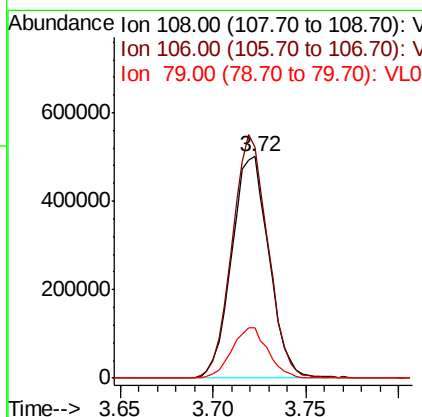
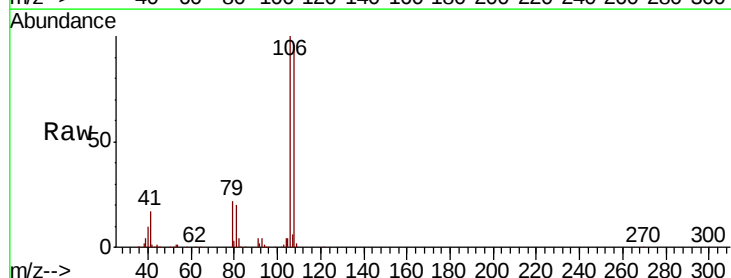
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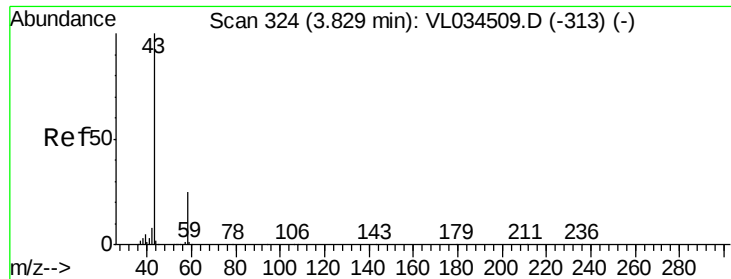
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#14
Bromoethene
Concen: 13.276 ppbv
RT: 3.72 min Scan# 291
Delta R.T. 0.01 min
Lab File: VL034515.D
Acq: 30 Dec 2019 14:16

Tgt Ion	Ratio	Lower	Upper
108	100		
106	106.1	85.2	127.8
79	22.5	17.4	26.2





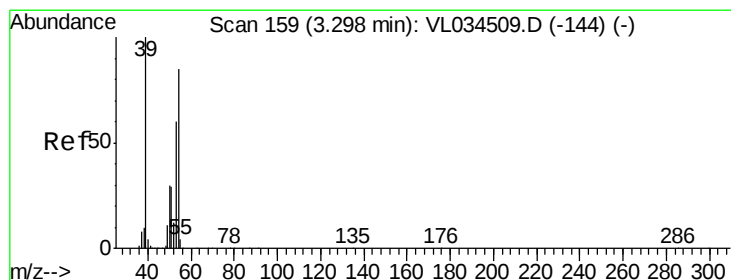
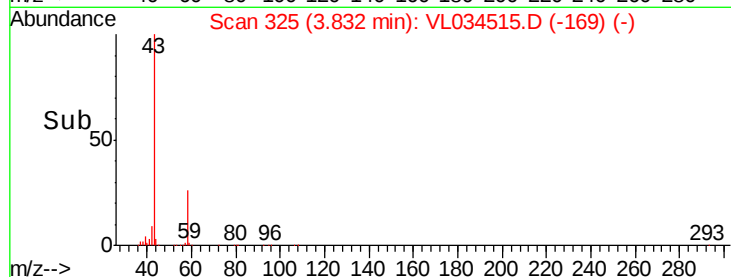
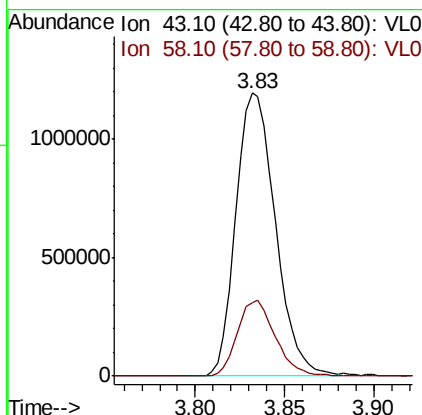
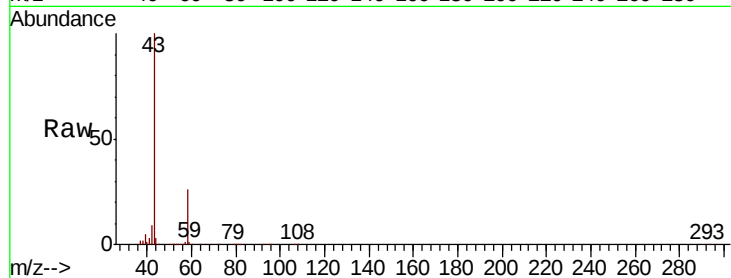
#15
Acetone
Concen: 11.889 ppbv
RT: 3.83 min Scan# 325
Delta R.T. 0.00 min
Lab File: VL034515.D
Acq: 30 Dec 2019 14:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 43 Resp: 1842309
Ion Ratio Lower Upper
43 100
58 26.0 20.4 30.6

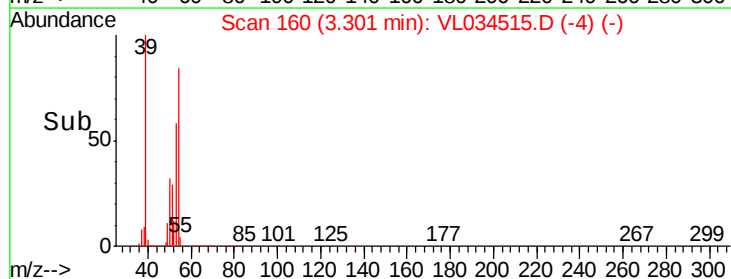
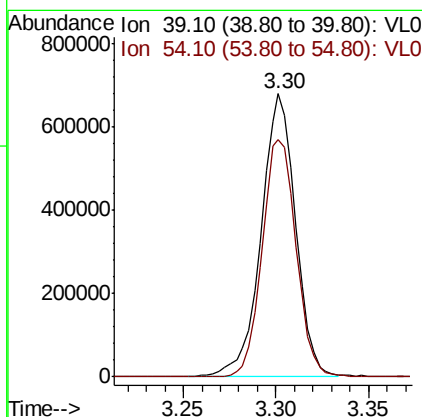
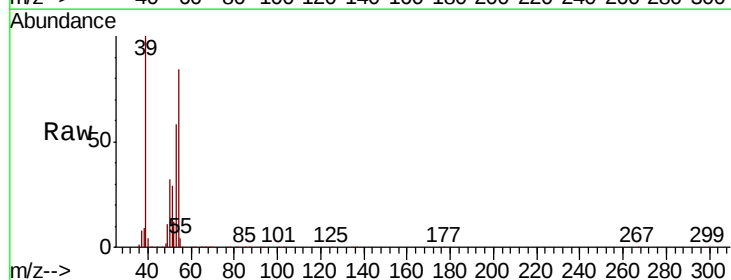
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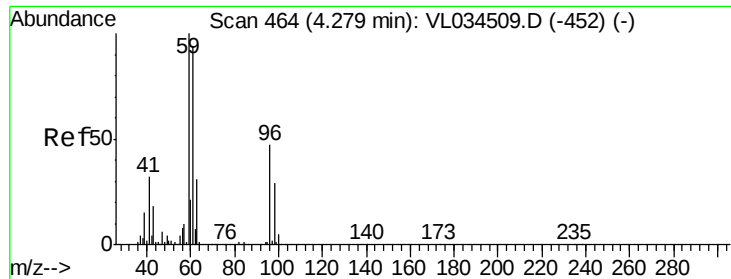
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#16
1,3-Butadiene
Concen: 13.031 ppbv
RT: 3.30 min Scan# 160
Delta R.T. 0.00 min
Lab File: VL034515.D
Acq: 30 Dec 2019 14:16

Tgt Ion: 39 Resp: 879628
Ion Ratio Lower Upper
39 100
54 82.9 66.2 99.2





#17

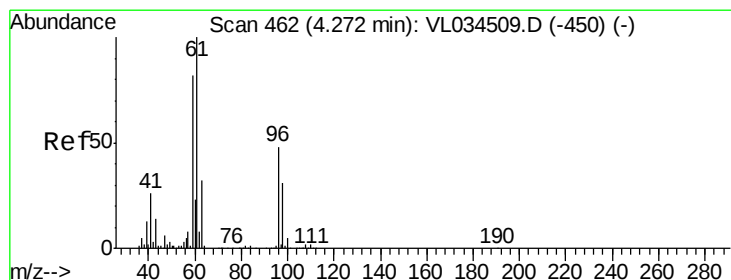
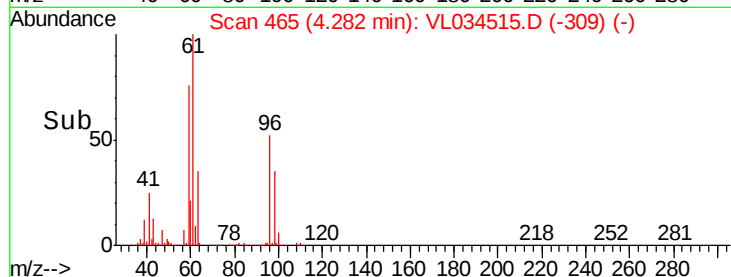
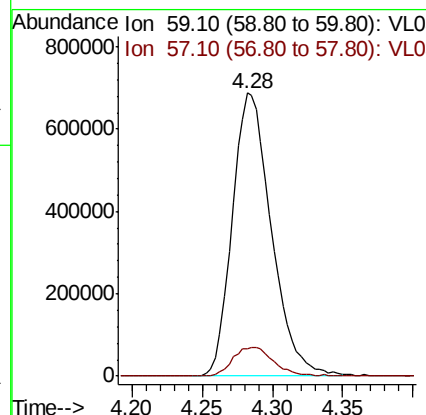
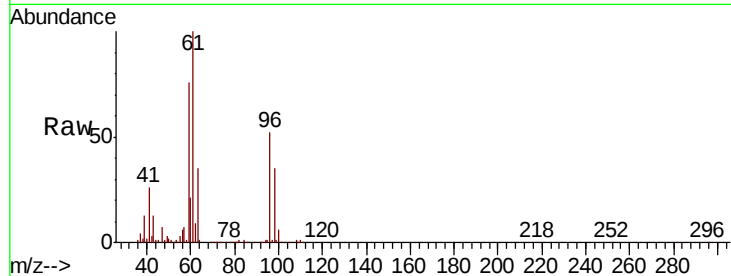
tert-Butyl alcohol
Concen: 10.200 ppbv
RT: 4.28 min Scan# 465
Delta R.T. 0.00 min
Lab File: VL034515.D
Acq: 30 Dec 2019 14:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 59 Resp: 1328644
Ion Ratio Lower Upper
59 100
57 10.8 8.6 12.8

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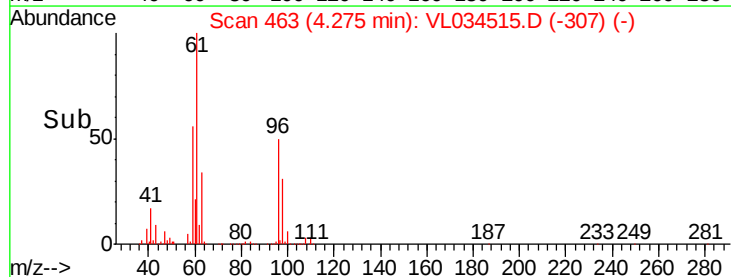
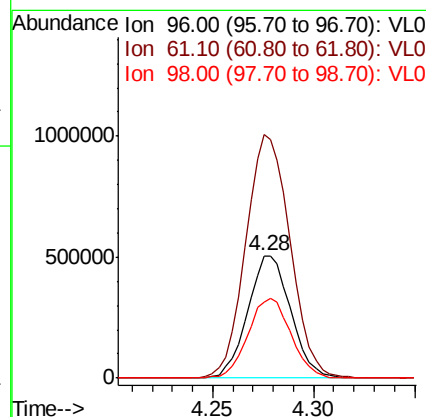
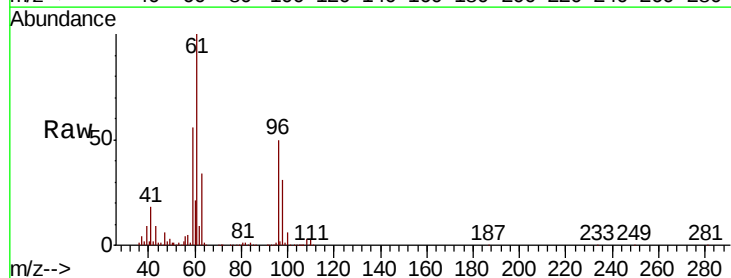
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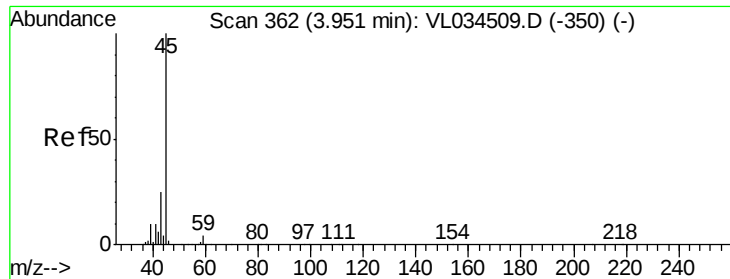


#18

1,1-Dichloroethene
Concen: 13.312 ppbv
RT: 4.28 min Scan# 463
Delta R.T. 0.00 min
Lab File: VL034515.D
Acq: 30 Dec 2019 14:16

Tgt Ion: 96 Resp: 753427
Ion Ratio Lower Upper
96 100
61 198.4 165.9 248.9
98 61.7 51.9 77.9





#19

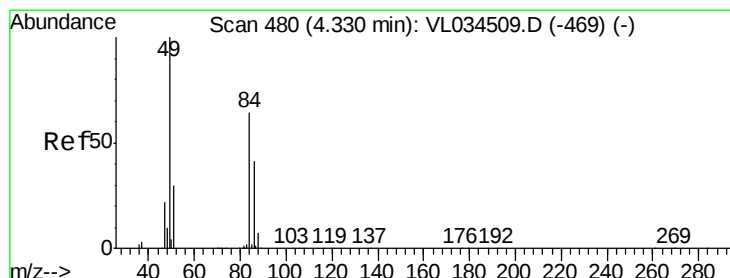
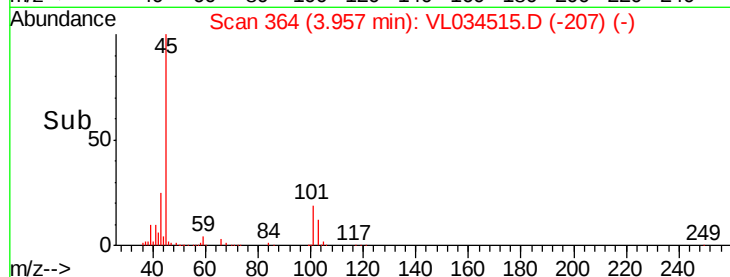
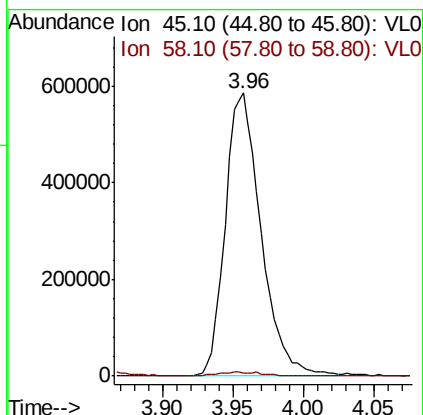
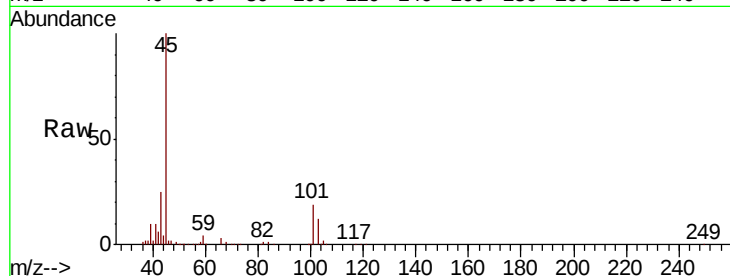
Isopropyl Alcohol
 Concen: 10.443 ppbv
 RT: 3.96 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VL034515.D
 Acq: 30 Dec 2019 14:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion: 45 Resp: 1037272
 Ion Ratio Lower Upper
 45 100
 58 1.9 1.4 2.0

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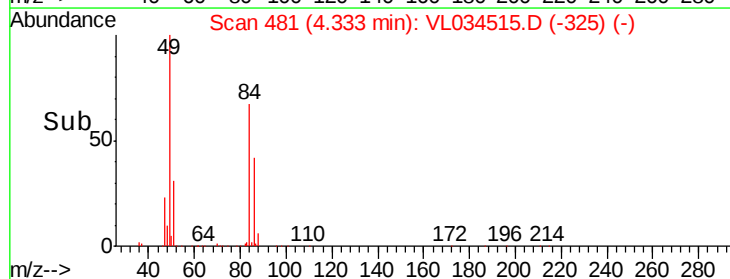
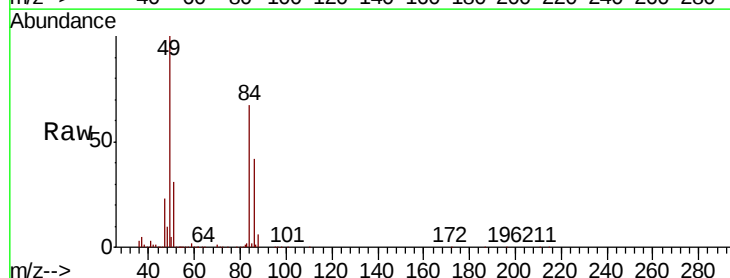
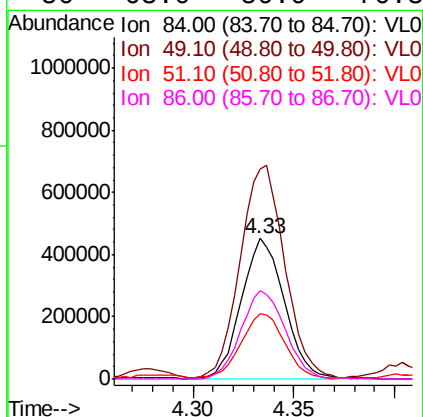
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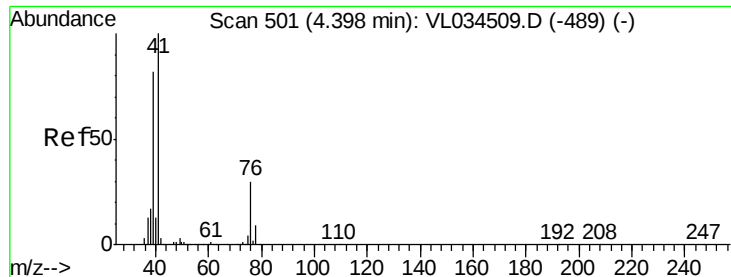


#20

Methylene Chloride
 Concen: 12.234 ppbv
 RT: 4.33 min Scan# 481
 Delta R.T. 0.00 min
 Lab File: VL034515.D
 Acq: 30 Dec 2019 14:16

Tgt Ion: 84 Resp: 672236
 Ion Ratio Lower Upper
 84 100
 49 148.3 124.4 186.6
 51 45.6 37.0 55.6
 86 63.0 50.9 76.3





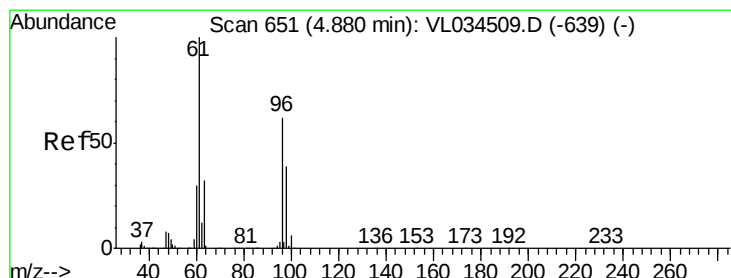
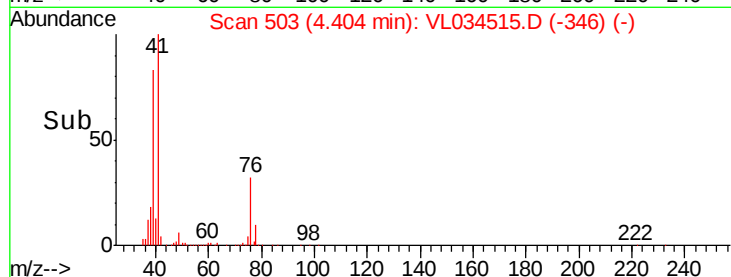
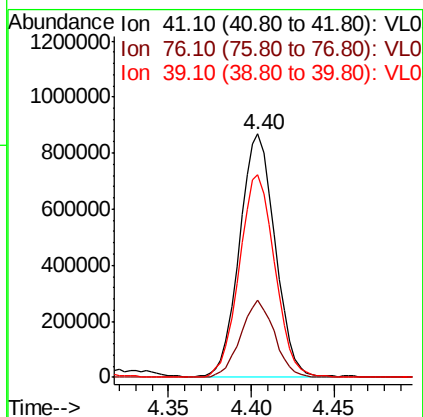
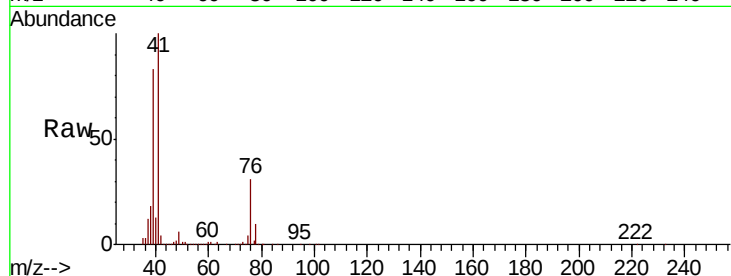
#21
Allvl Chloride
Concen: 13.846 ppbv
RT: 4.40 min Scan# 503
Delta R.T. 0.01 min
Lab File: VL034515.D
Acq: 30 Dec 2019 14:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
41	100		
76	30.4	24.2	36.4
39	84.1	65.8	98.6

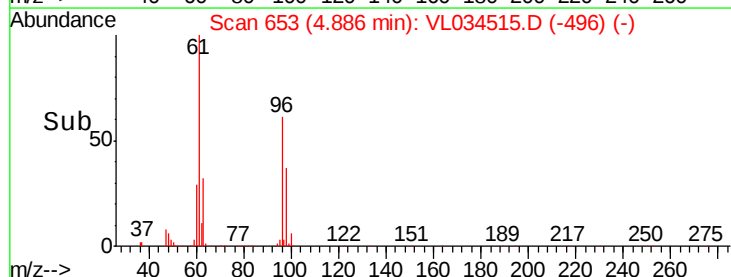
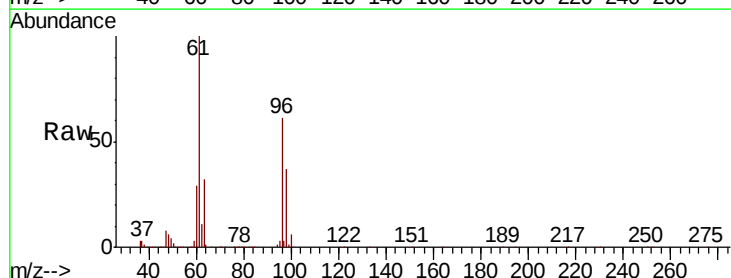
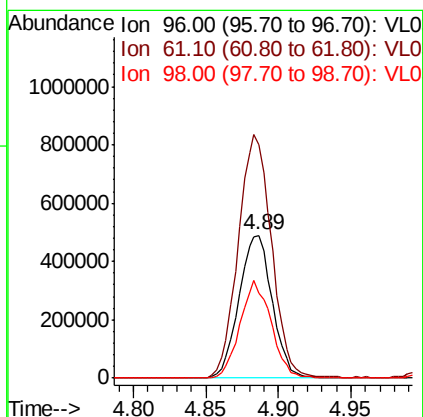
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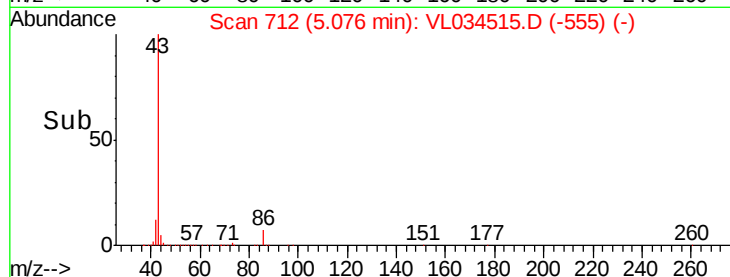
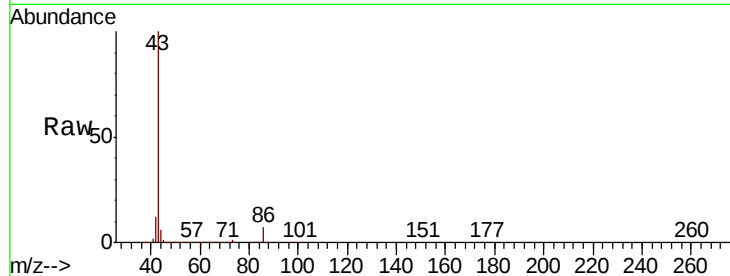
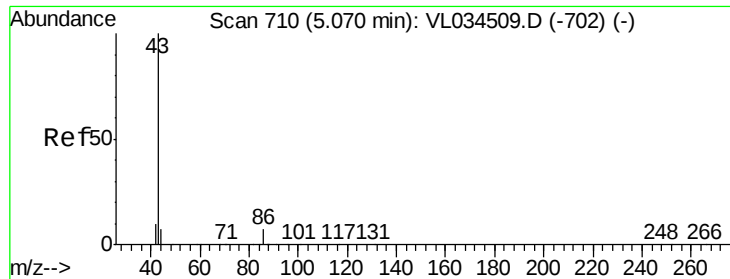
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#22
trans-1,2-Dichloroethene
Concen: 13.648 ppbv
RT: 4.89 min Scan# 653
Delta R.T. 0.01 min
Lab File: VL034515.D
Acq: 30 Dec 2019 14:16

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.1	128.4	192.6
98	59.8	50.6	75.8





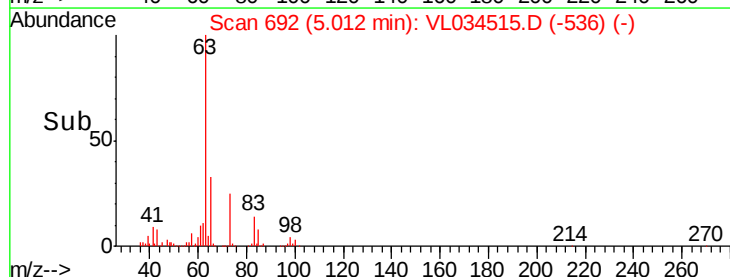
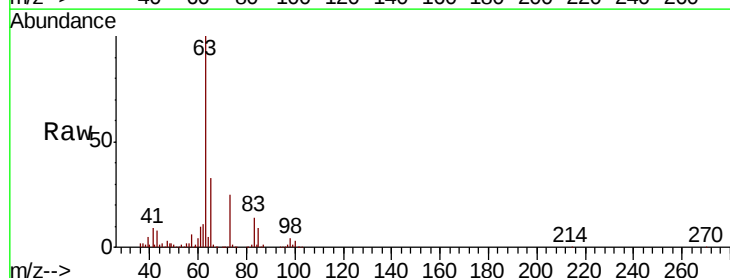
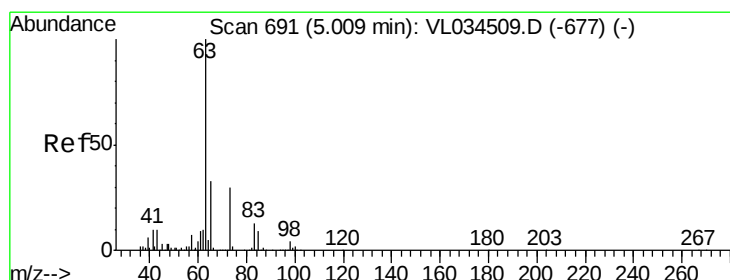
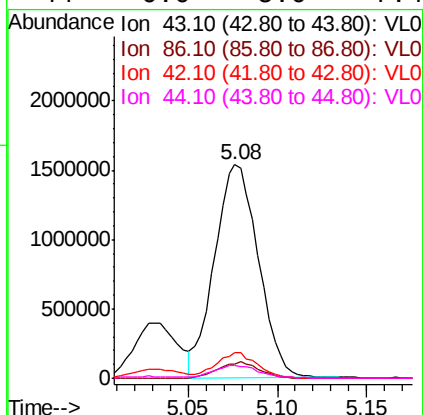
#23
 Vinyl Acetate
 Concen: 12.903 ppbv
 RT: 5.08 min Scan# 712
 Delta R.T. 0.01 min
 Lab File: VL034515.D
 Acq: 30 Dec 2019 14:16

Tot Ion	43	Resp	2611918
Ion	Ratio	Lower	Upper
43	100		
86	6.8	5.4	8.2
42	11.7	8.9	13.3
44	6.0	5.0	7.4

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

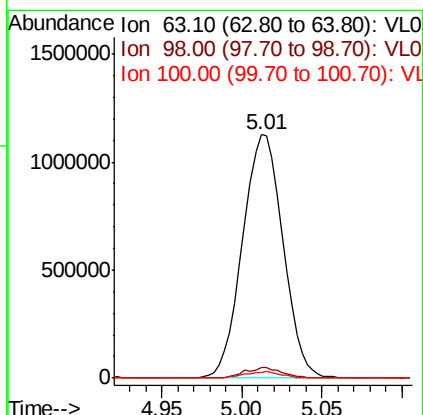
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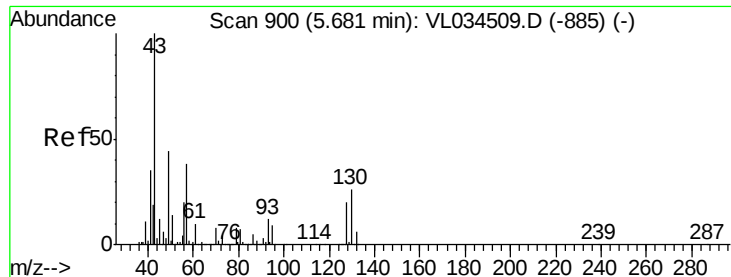
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#24
 1,1-Dichloroethane
 Concen: 12.508 ppbv
 RT: 5.01 min Scan# 692
 Delta R.T. 0.00 min
 Lab File: VL034515.D
 Acq: 30 Dec 2019 14:16

Tgt Ion	63	Resp	1944951
Ion	Ratio	Lower	Upper
63	100		
98	4.2	2.1	6.3
100	2.5	1.1	3.3





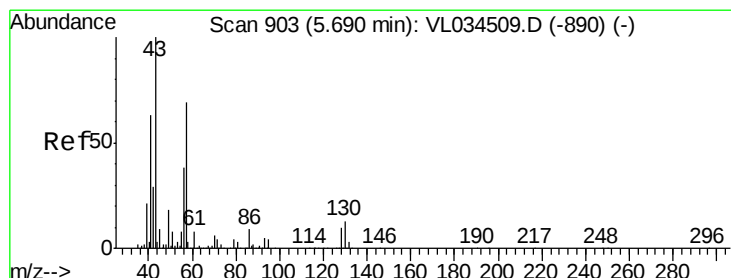
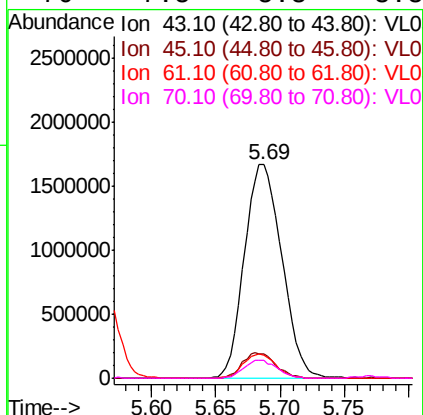
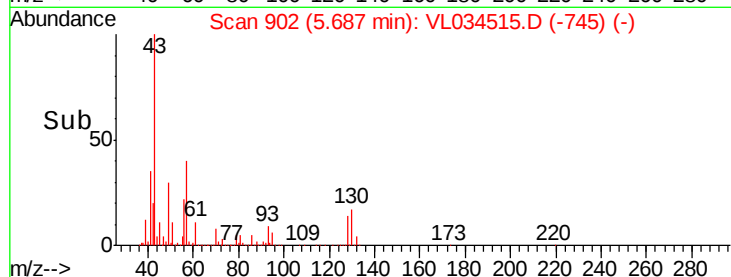
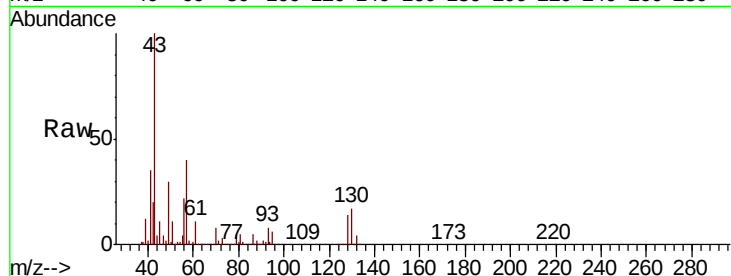
#25
Ethyl Acetate
Concen: 12.191 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.01 min
Lab File: VL034515.D
Acq: 30 Dec 2019 14:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	10.7	8.3	12.5	
61	9.9	7.8	11.6	
70	7.5	5.8	8.8	

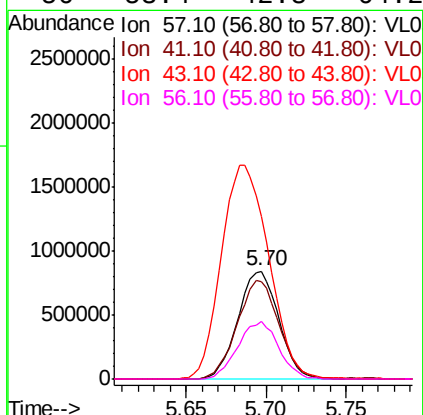
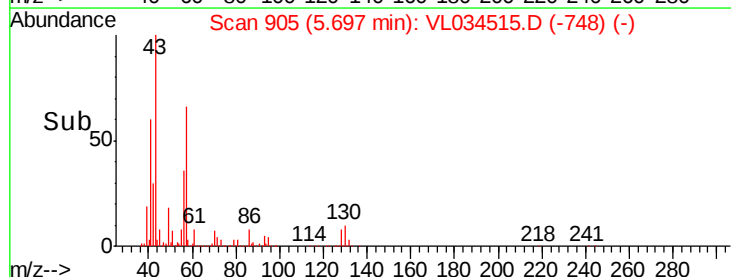
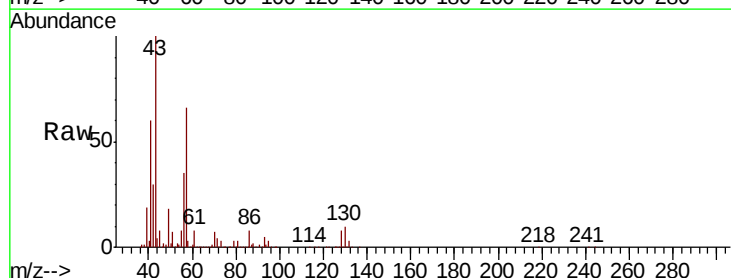
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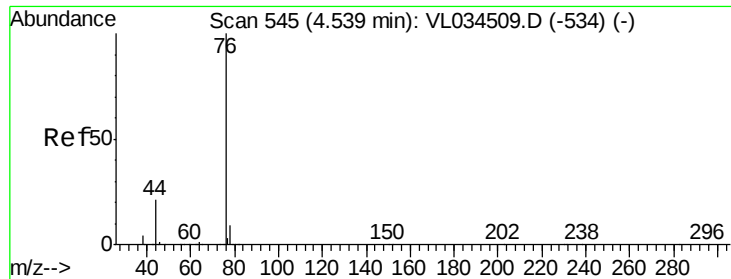
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#26
Hexane
Concen: 12.287 ppbv
RT: 5.70 min Scan# 905
Delta R.T. 0.01 min
Lab File: VL034515.D
Acq: 30 Dec 2019 14:16

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	93.7	75.3	112.9	
43	232.3	189.4	284.2	
56	53.4	42.8	64.2	





#27

Carbon Disulfide

Concen: 15.399 ppbv

RT: 4.54 min Scan# 546

Delta R.T. 0.00 min

Lab File: VL034515.D

Acq: 30 Dec 2019 14:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 76 Resp: 1992885

Ion Ratio Lower Upper

76 100

44 20.3 16.6 25.0

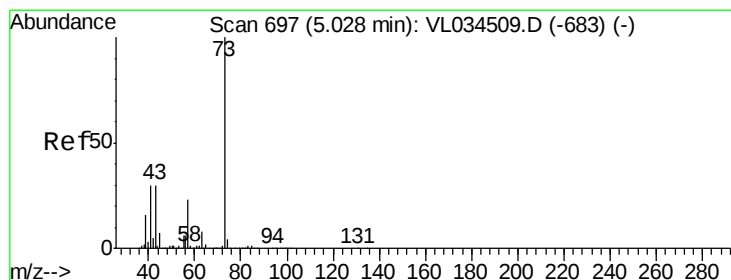
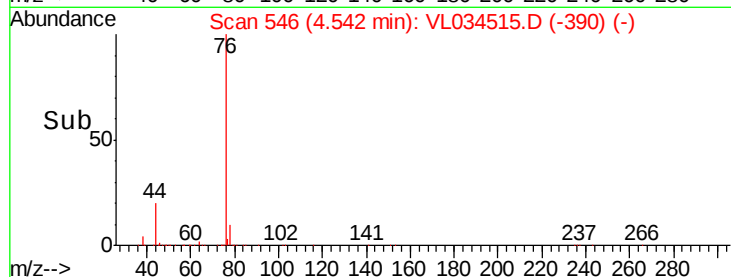
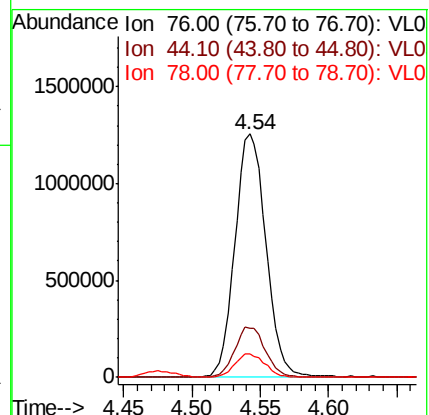
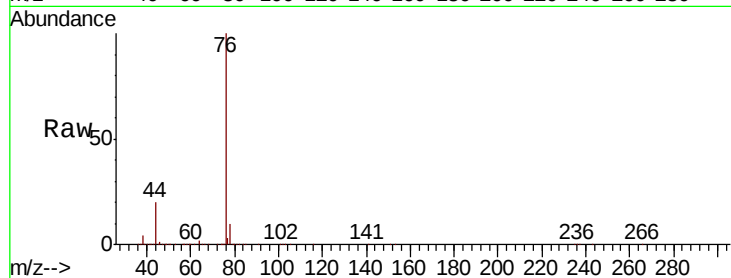
78 9.5 7.4 11.0

Manual Integrations

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#28

Methyl tert-Butyl Ether

Concen: 12.473 ppbv

RT: 5.03 min Scan# 698

Delta R.T. 0.00 min

Lab File: VL034515.D

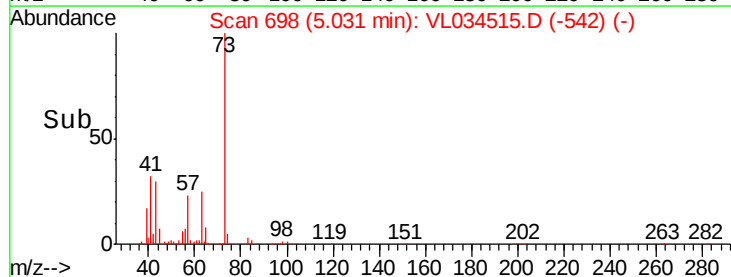
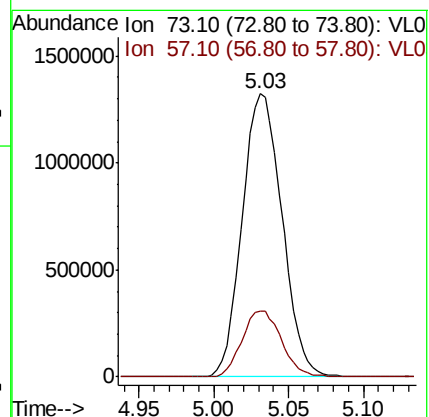
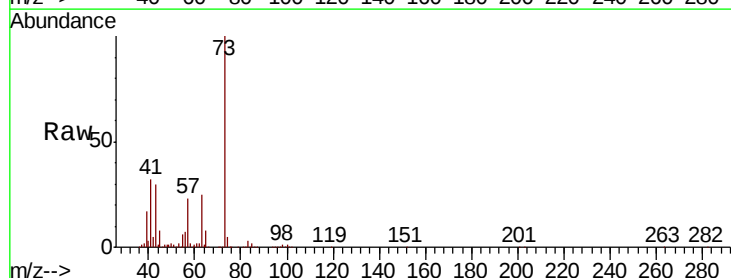
Acq: 30 Dec 2019 14:16

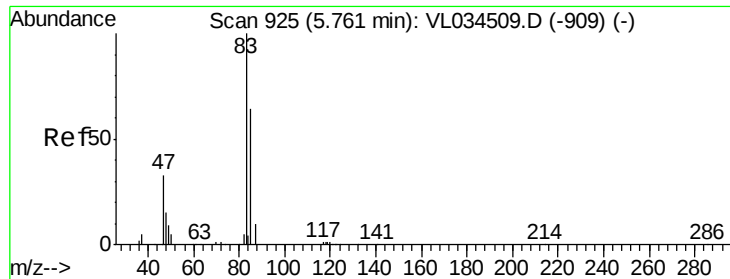
Tgt Ion: 73 Resp: 2457519

Ion Ratio Lower Upper

73 100

57 23.3 18.2 27.2





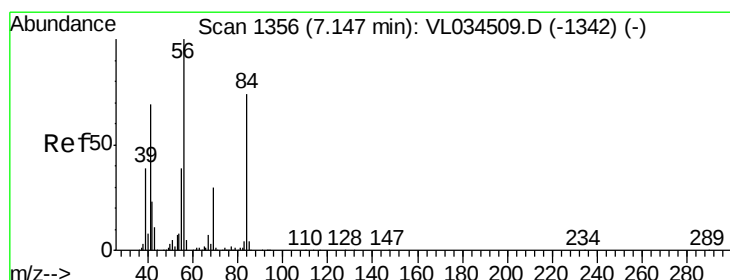
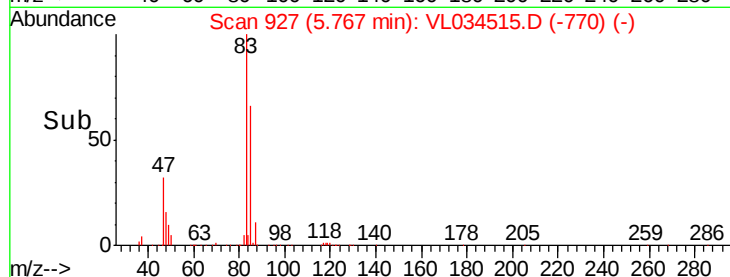
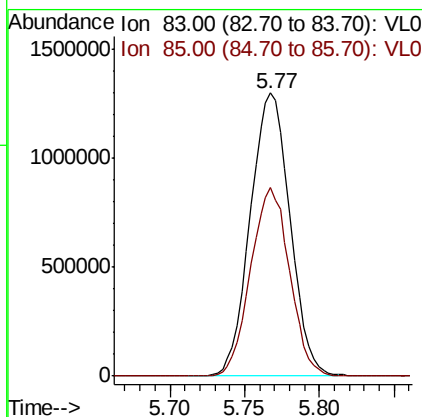
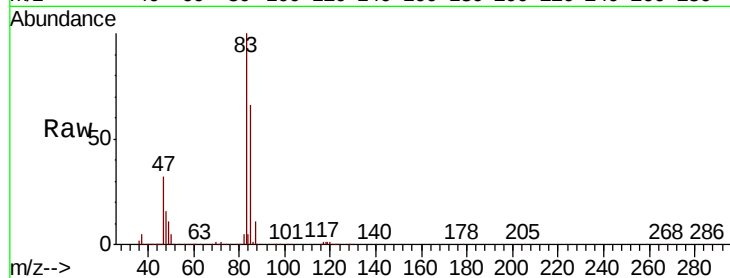
#29
Chloroform
Concen: 12.473 ppbv
RT: 5.77 min Scan# 927
Delta R.T. 0.01 min
Lab File: VL034515.D
Acq: 30 Dec 2019 14:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 83 Resp: 2400055
Ion Ratio Lower Upper
83 100
85 66.4 51.0 76.6

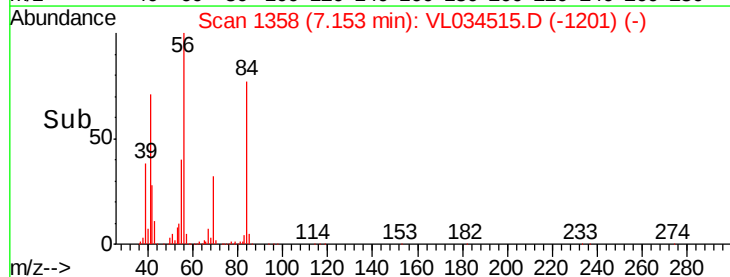
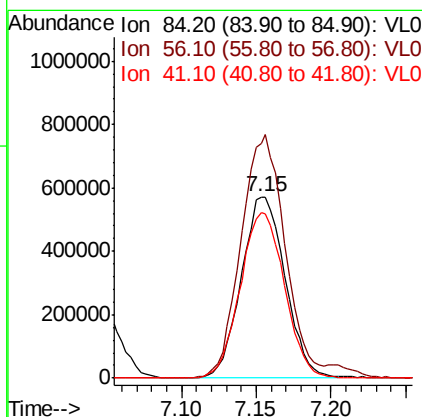
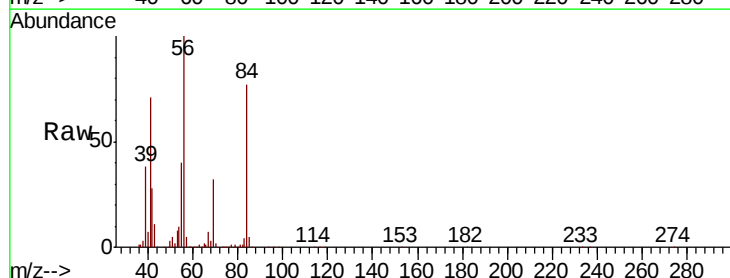
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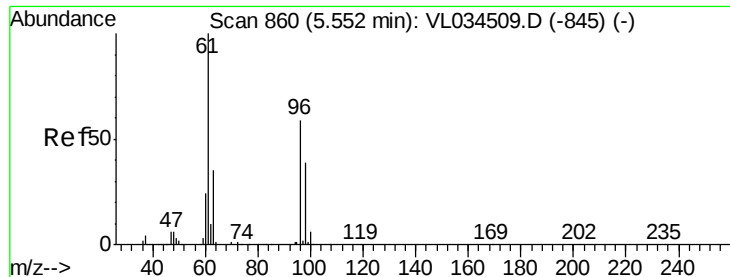
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#30
Cyclohexane
Concen: 12.984 ppbv
RT: 7.15 min Scan# 1358
Delta R.T. 0.01 min
Lab File: VL034515.D
Acq: 30 Dec 2019 14:16

Tgt Ion: 84 Resp: 1166272
Ion Ratio Lower Upper
84 100
56 139.7 112.7 169.1
41 92.4 73.0 109.4





#31

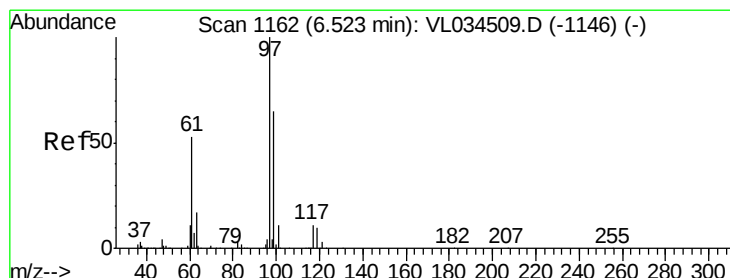
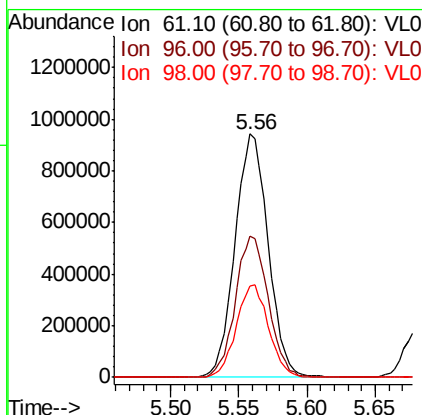
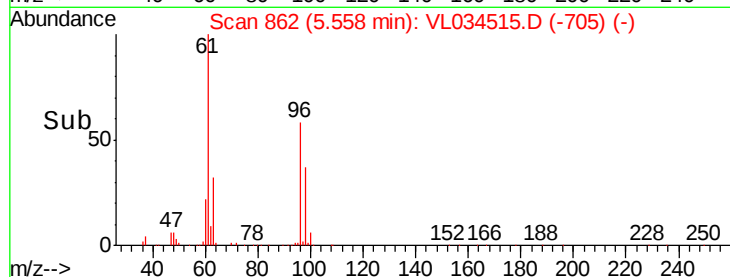
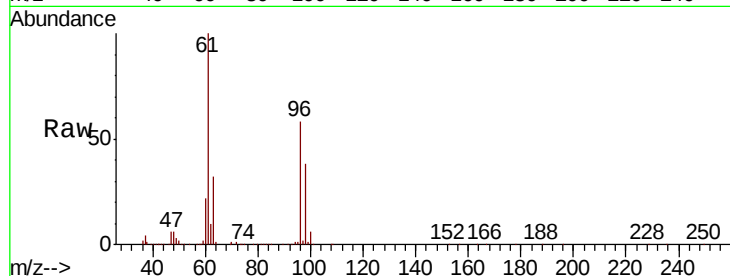
cis-1,2-Dichloroethene
Concen: 12.947 ppbv
RT: 5.56 min Scan# 862
Delta R.T. 0.01 min
Lab File: VL034515.D
Acq: 30 Dec 2019 14:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
61	100		
96	57.8	47.1	70.7
98	37.5	31.0	46.6

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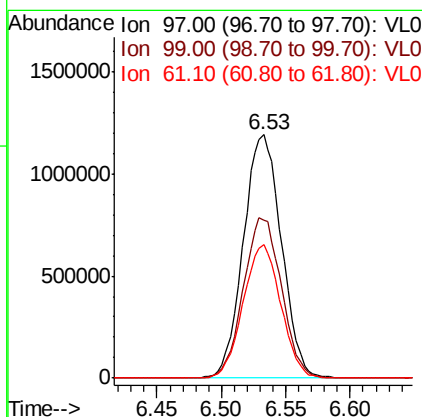
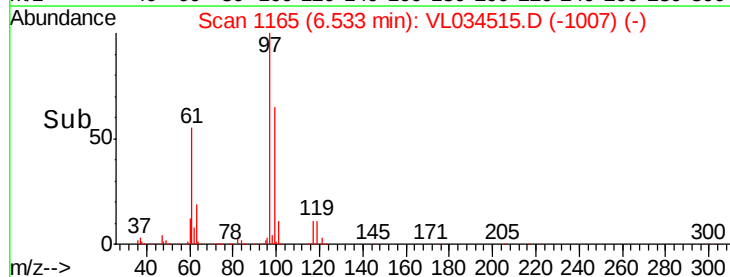
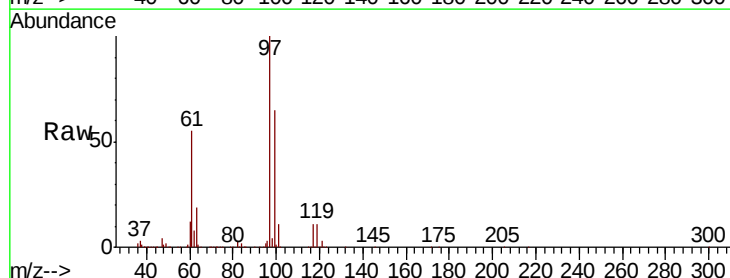
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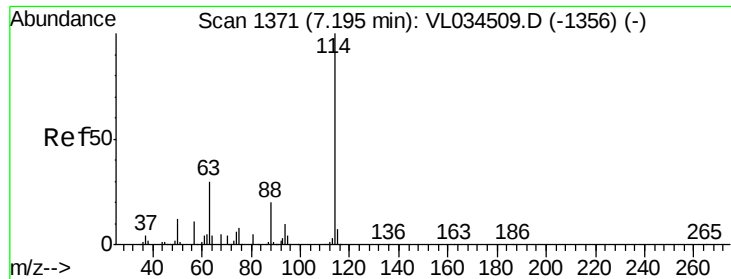


#32

1,1,1-Trichloroethane
Concen: 13.589 ppbv
RT: 6.53 min Scan# 1165
Delta R.T. 0.01 min
Lab File: VL034515.D
Acq: 30 Dec 2019 14:16

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.9	51.7	77.5
61	54.4	42.9	64.3





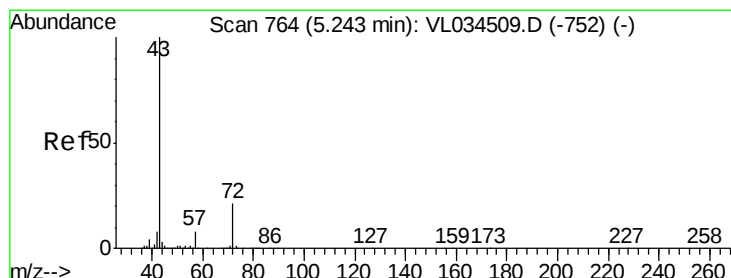
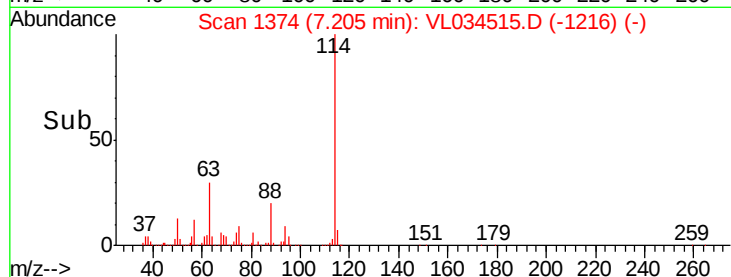
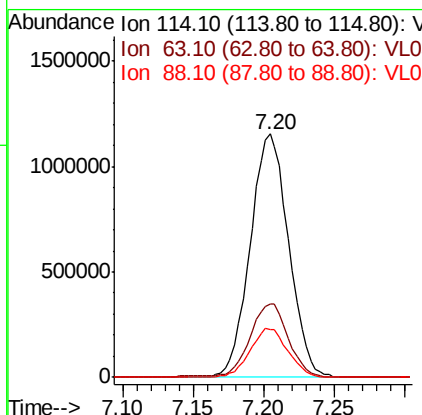
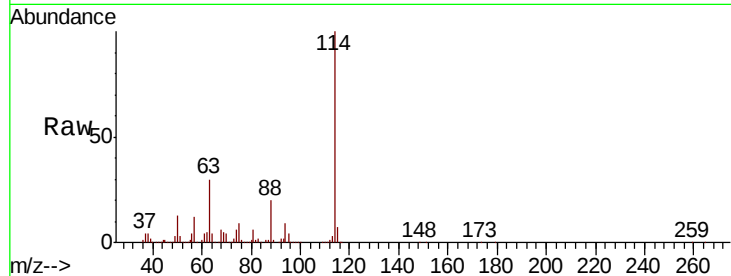
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20 min Scan# 1374
 Delta R.T. 0.01 min
 Lab File: VL034515.D
 Acq: 30 Dec 2019 14:16

Instrument :
 MSVOA_L
 ClientSampled :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
114	100		
63	30.7	24.1	36.1
88	19.7	15.7	23.5

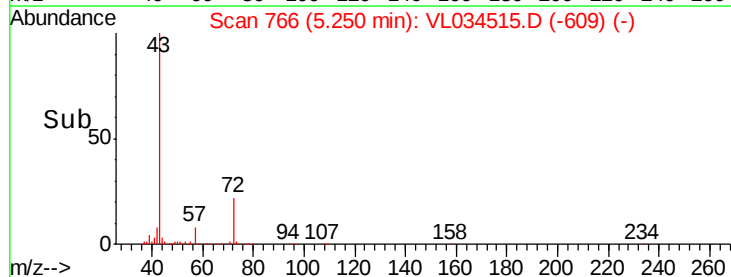
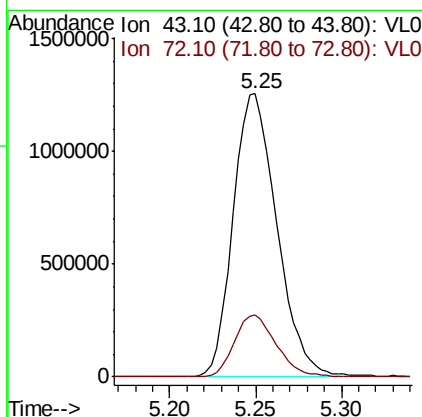
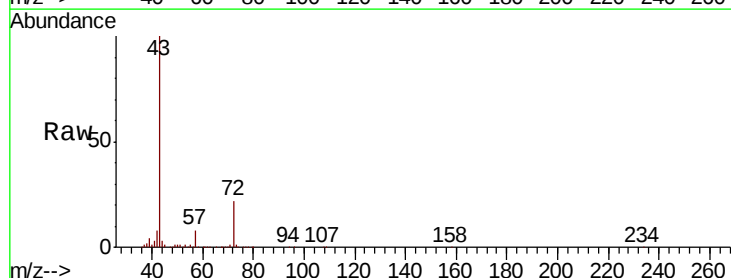
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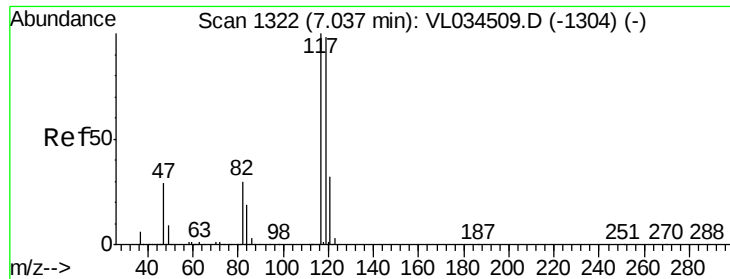
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#34
 2-Butanone
 Concen: 12.241 ppbv
 RT: 5.25 min Scan# 766
 Delta R.T. 0.01 min
 Lab File: VL034515.D
 Acq: 30 Dec 2019 14:16

Tgt Ion	Ratio	Lower	Upper
43	100		
72	20.9	17.0	25.4





#35

Carbon Tetrachloride

Concen: 13.872 ppbv

RT: 7.04 min Scan# 1324

Delta R.T. 0.01 min

Lab File: VL034515.D

Acq: 30 Dec 2019 14:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion:117 Resp: 2619089

Ion Ratio Lower Upper

117 100

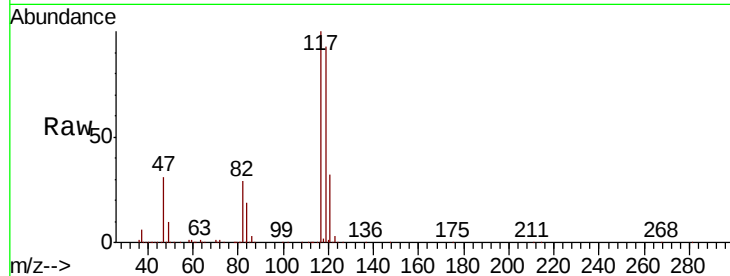
119 93.4 78.7 118.1

121 32.4 25.9 38.9

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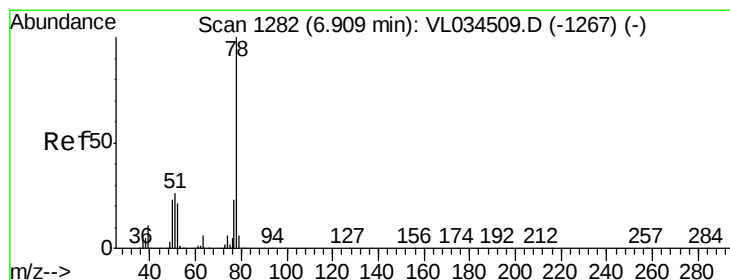
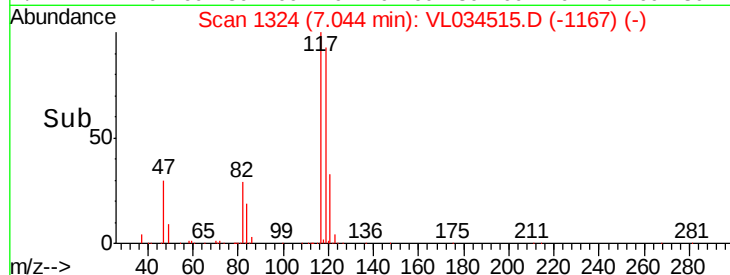
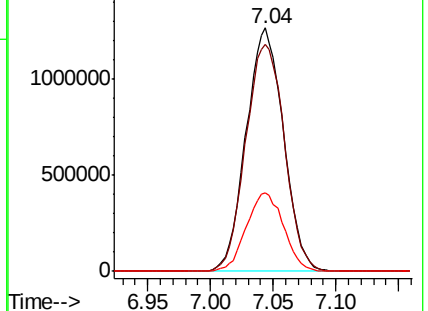
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 12.504 ppbv

RT: 6.92 min Scan# 1285

Delta R.T. 0.01 min

Lab File: VL034515.D

Acq: 30 Dec 2019 14:16

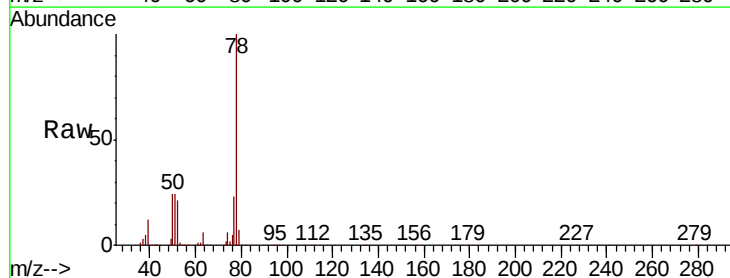
Tgt Ion: 78 Resp: 2744924

Ion Ratio Lower Upper

78 100

77 23.4 18.6 28.0

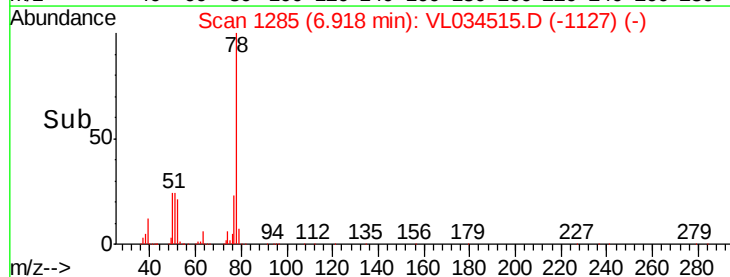
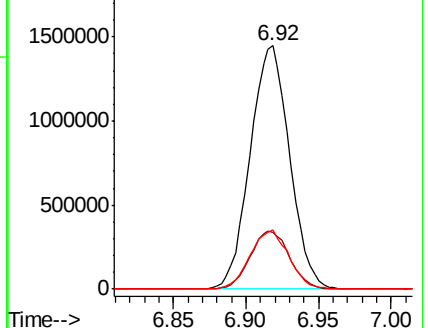
50 24.1 18.8 28.2

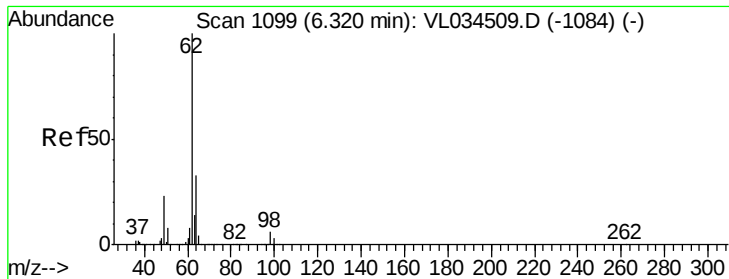


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





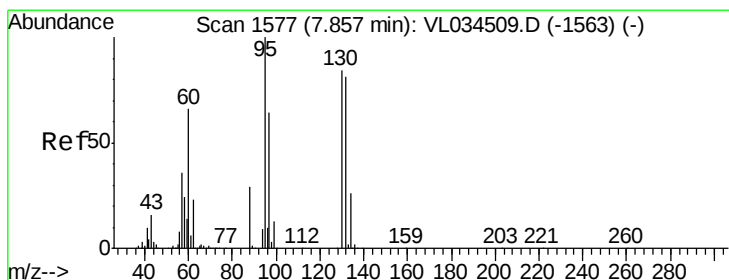
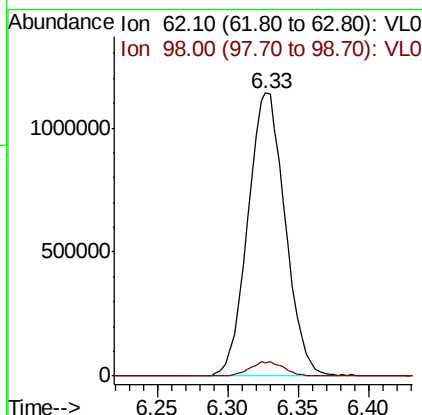
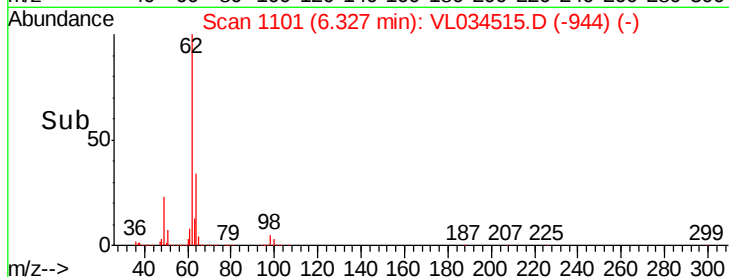
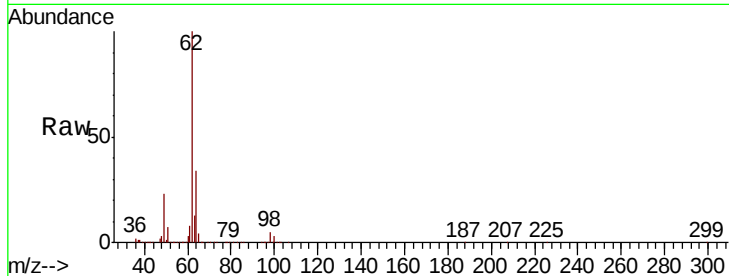
#37
 1,2-Dichloroethane
 Concen: 12.950 ppbv
 RT: 6.33 min Scan# 1101
 Delta R.T. 0.01 min
 Lab File: VL034515.D
 Acq: 30 Dec 2019 14:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
62	100		
98	4.8	3.8	5.6

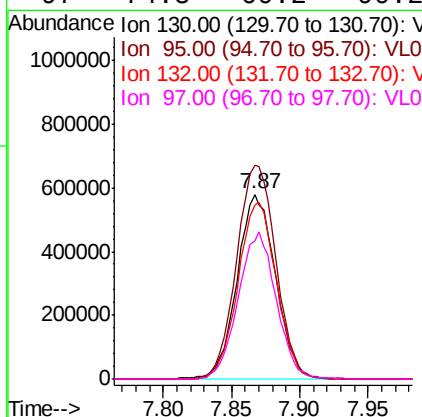
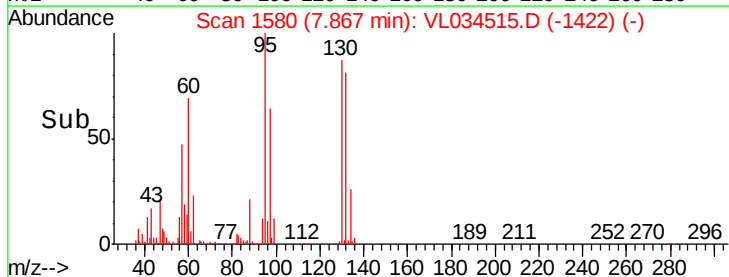
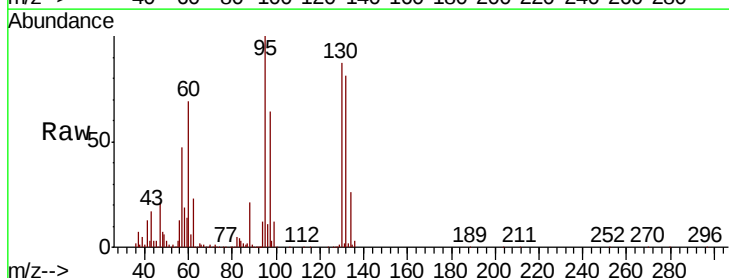
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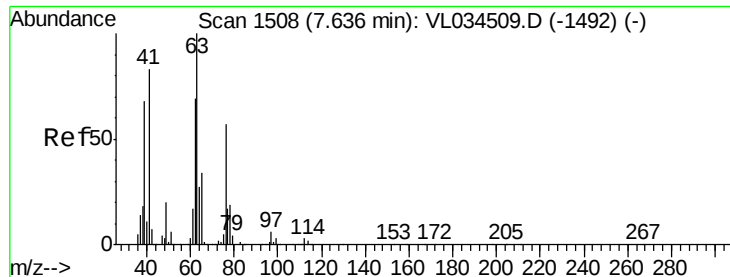
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#38
 Trichloroethene
 Concen: 12.526 ppbv
 RT: 7.87 min Scan# 1580
 Delta R.T. 0.01 min
 Lab File: VL034515.D
 Acq: 30 Dec 2019 14:16

Tgt Ion	Ratio	Lower	Upper
130	100		
95	115.6	94.2	141.2
132	94.1	76.1	114.1
97	74.5	60.2	90.2





#39

1,2-Dichloropropane

Concen: 13.631 ppbv

RT: 7.64 min Scan# 1510

Delta R.T. 0.01 min

Lab File: VL034515.D

Acq: 30 Dec 2019 14:16

Instrument :

MSVOA_L

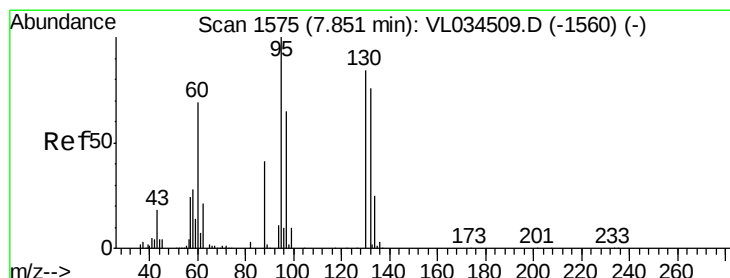
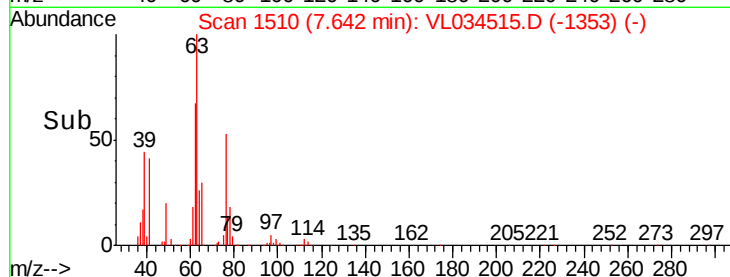
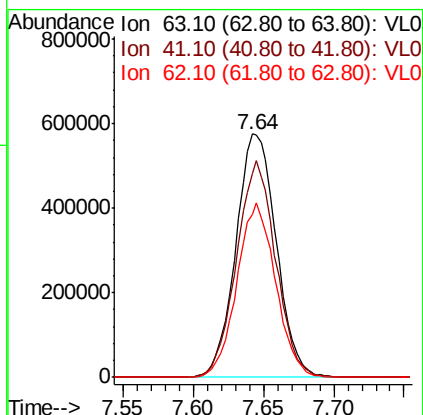
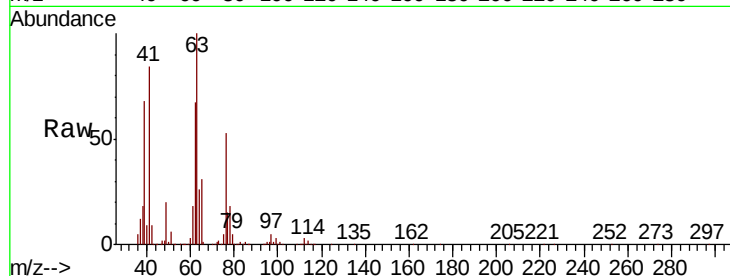
ClientSampleId :

VSTDIC015

Tot Ion:	63	Resp:	1152833
Ion	Ratio	Lower	Upper
63	100		
41	83.4	66.1	99.1
62	66.5	54.9	82.3

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#40

1,4-Dioxane

Concen: 10.131 ppbv

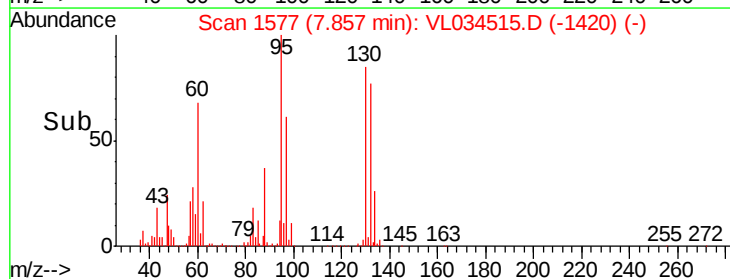
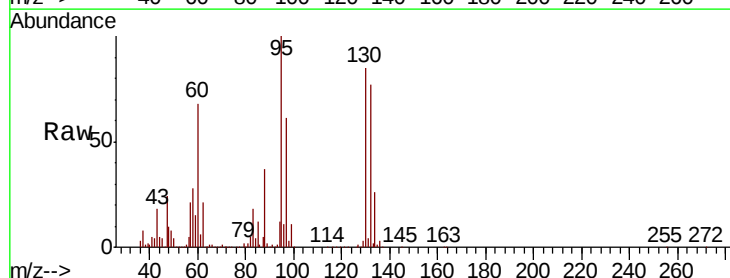
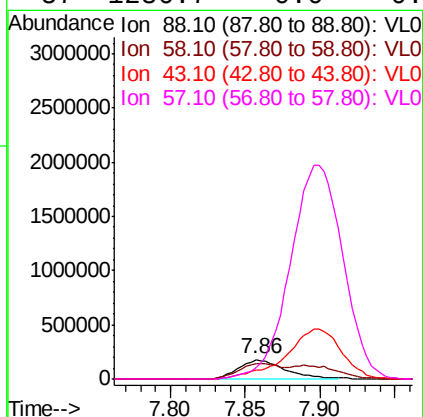
RT: 7.86 min Scan# 1577

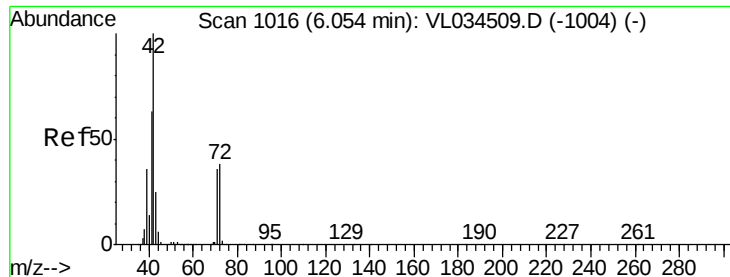
Delta R.T. 0.01 min

Lab File: VL034515.D

Acq: 30 Dec 2019 14:16

Tgt Ion:	88	Resp:	374287
Ion	Ratio	Lower	Upper
88	100		
58	146.2	107.9	161.9
43	319.5	0.0	0.0#
57	1286.7	0.0	0.0#





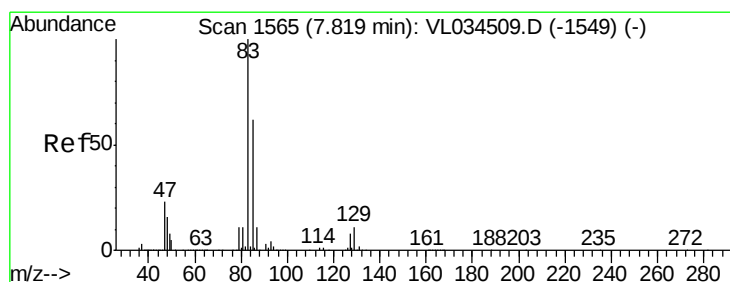
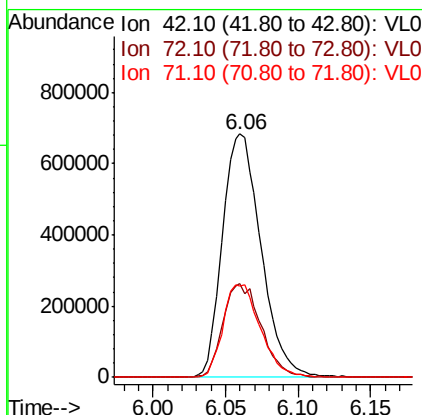
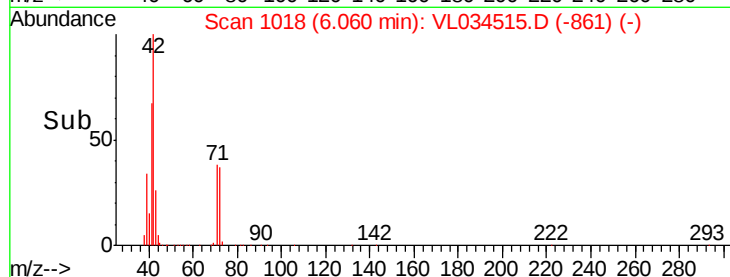
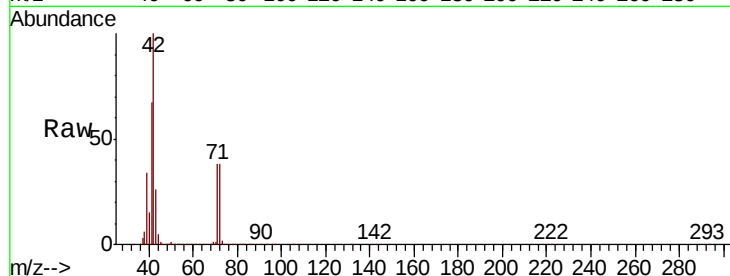
#41
Tetrahydrofuran
Concen: 12.394 ppbv
RT: 6.06 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VL034515.D
Acq: 30 Dec 2019 14:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.2	30.9	46.3
71	37.1	28.9	43.3

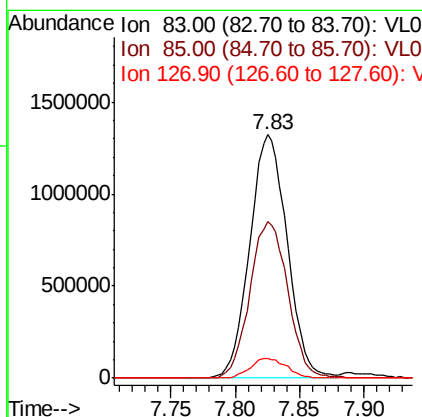
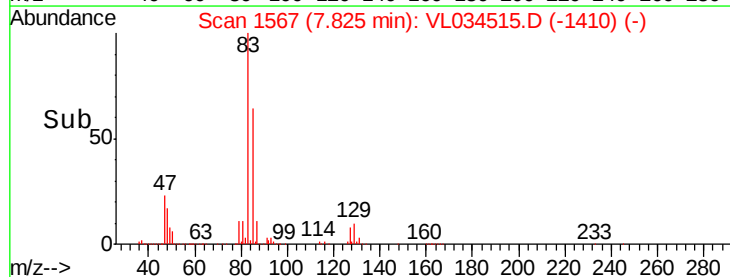
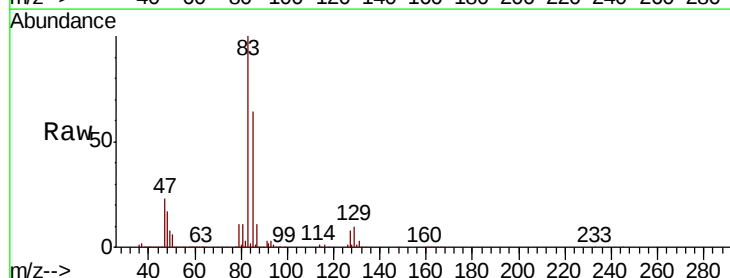
Manual Integrations
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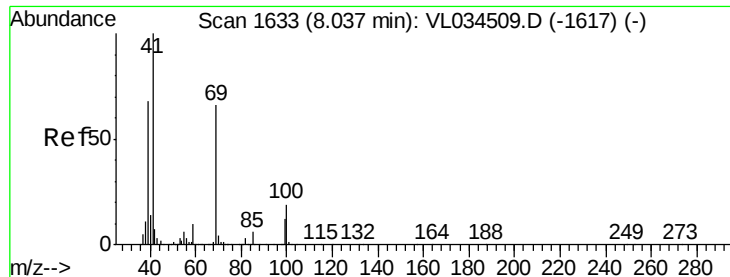
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#42
Bromodichloromethane
Concen: 13.120 ppbv
RT: 7.83 min Scan# 1567
Delta R.T. 0.01 min
Lab File: VL034515.D
Acq: 30 Dec 2019 14:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	49.4	74.2
127	8.1	6.2	9.4





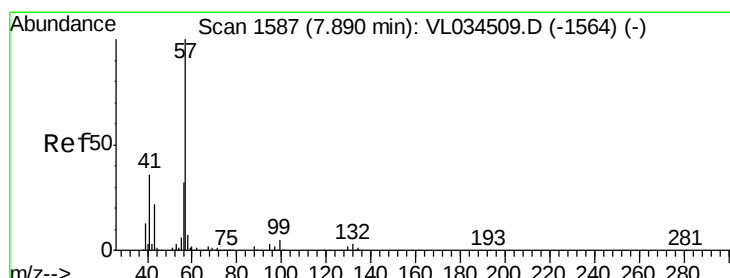
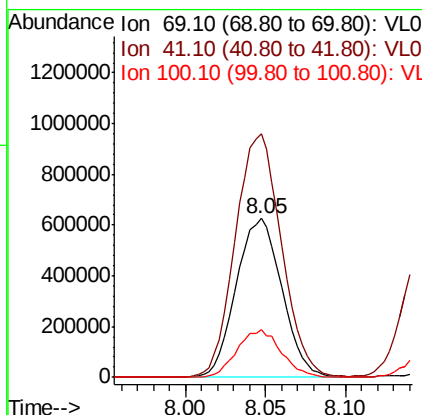
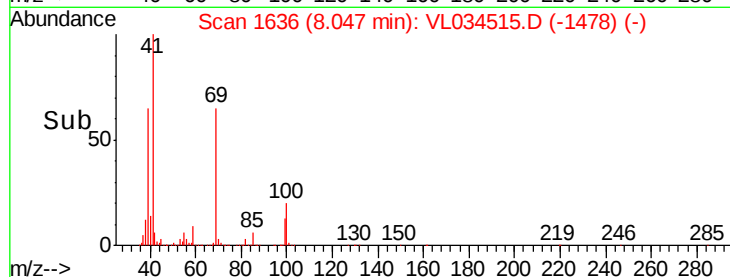
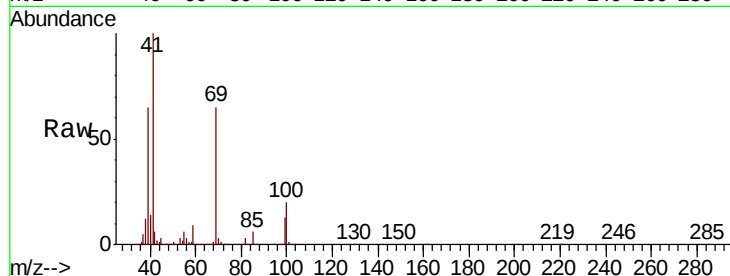
#43
Methyl Methacrylate
Concen: 13.363 ppbv
RT: 8.05 min Scan# 1636
Delta R.T. 0.01 min
Lab File: VL034515.D
Acq: 30 Dec 2019 14:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 69 Resp: 1216685
Ion Ratio Lower Upper
69 100
41 155.5 124.0 186.0
100 29.1 23.1 34.7

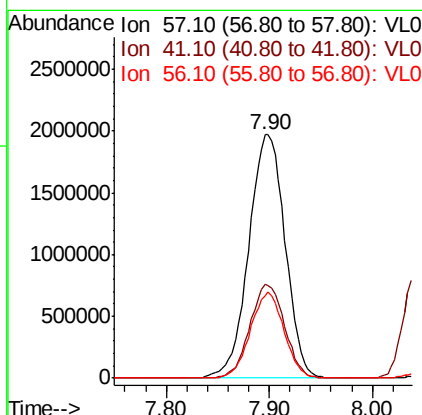
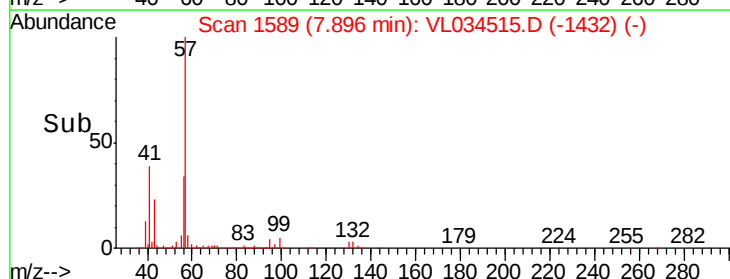
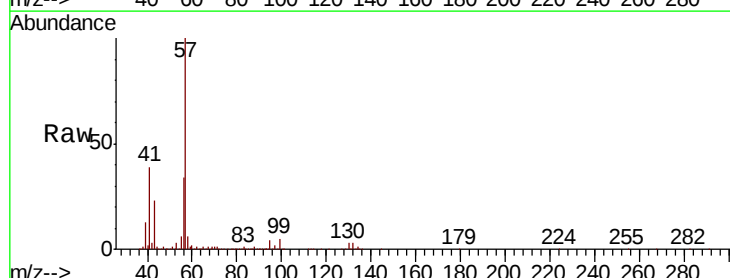
Manual Integrations
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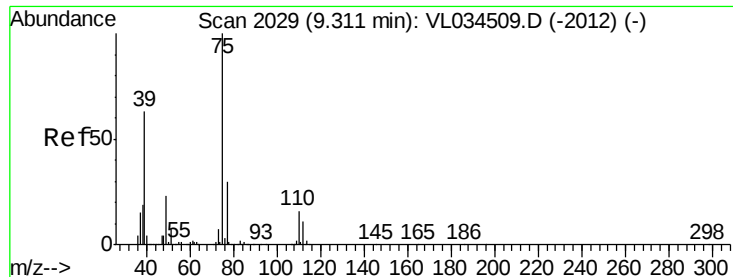
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#44
2,2,4-Trimethylpentane
Concen: 11.990 ppbv
RT: 7.90 min Scan# 1589
Delta R.T. 0.01 min
Lab File: VL034515.D
Acq: 30 Dec 2019 14:16

Tgt Ion: 57 Resp: 4810018
Ion Ratio Lower Upper
57 100
41 37.0 29.0 43.4
56 32.5 24.9 37.3





#45

t-1,3-Dichloropropene

Concen: 14.719 ppbv

RT: 9.32 min Scan# 2033

Delta R.T. 0.01 min

Lab File: VL034515.D

Acq: 30 Dec 2019 14:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 75 Resp: 1718664

Ion Ratio Lower Upper

75 100

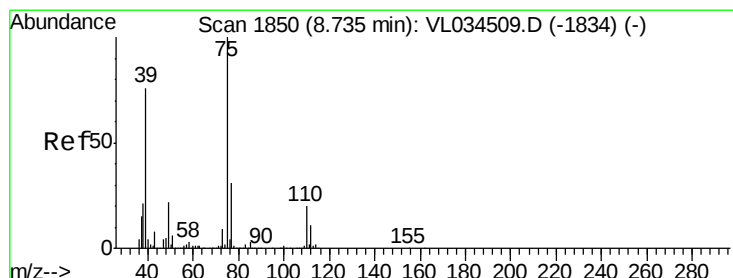
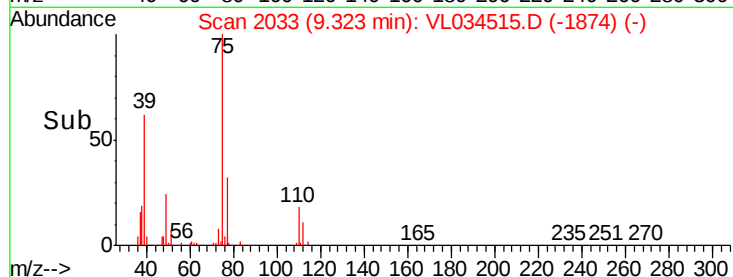
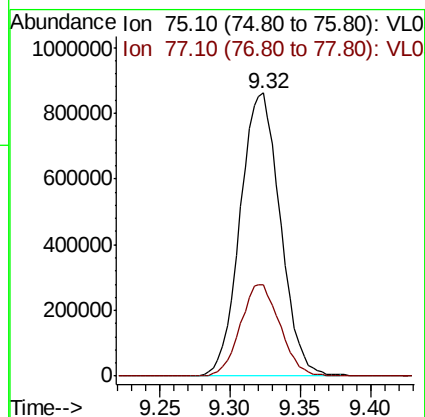
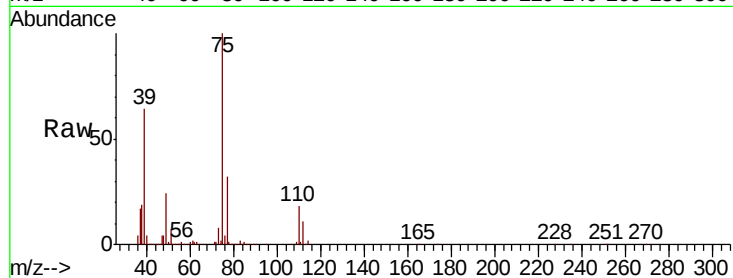
77 32.1 24.2 36.2

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#46

cis-1,3-Dichloropropene

Concen: 14.282 ppbv

RT: 8.74 min Scan# 1852

Delta R.T. 0.01 min

Lab File: VL034515.D

Acq: 30 Dec 2019 14:16

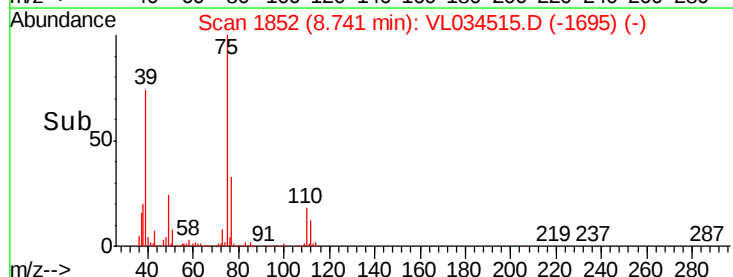
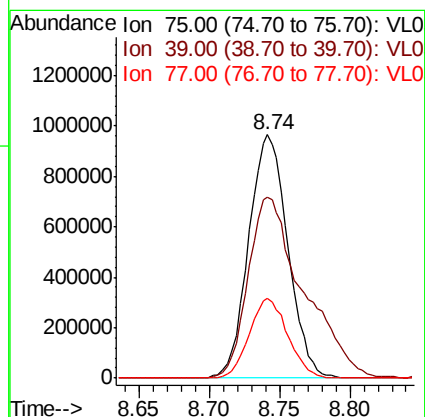
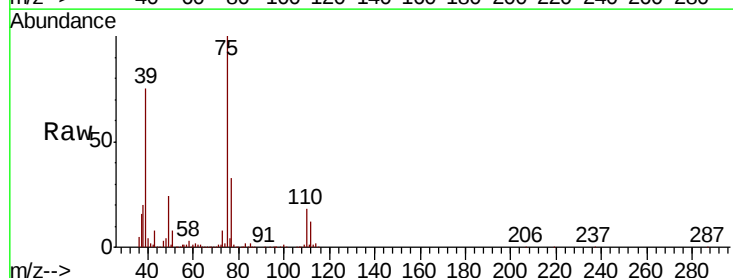
Tgt Ion: 75 Resp: 1873236

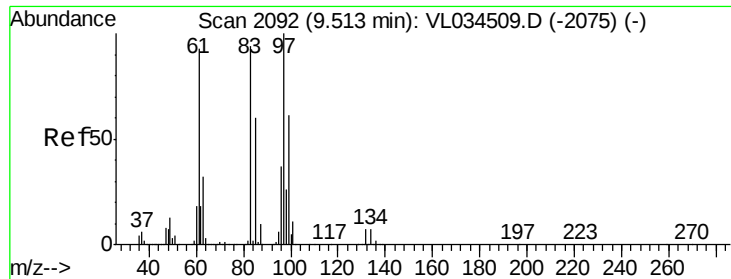
Ion Ratio Lower Upper

75 100

39 74.5 60.5 90.7

77 32.6 24.8 37.2





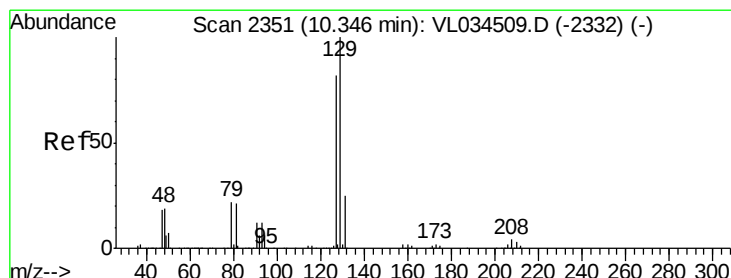
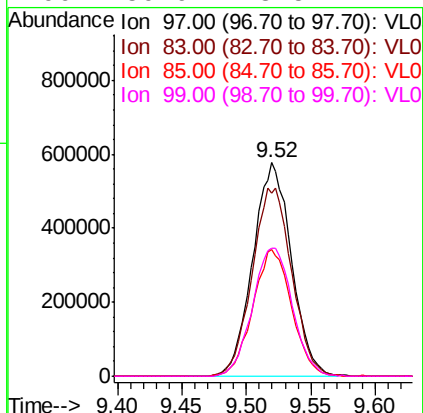
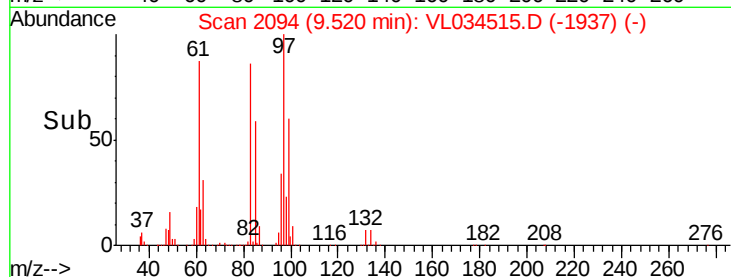
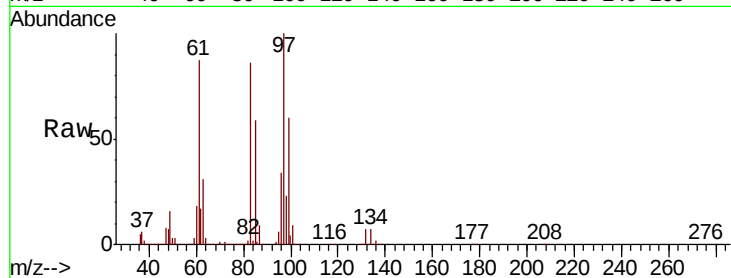
#47
 1,1,2-Trichloroethane
 Concen: 12.769 ppbv
 RT: 9.52 min Scan# 2094
 Delta R.T. 0.01 min
 Lab File: VL034515.D
 Acq: 30 Dec 2019 14:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
97	100		
83	85.8	75.0	112.4
85	59.2	48.2	72.4
99	59.9	48.5	72.7

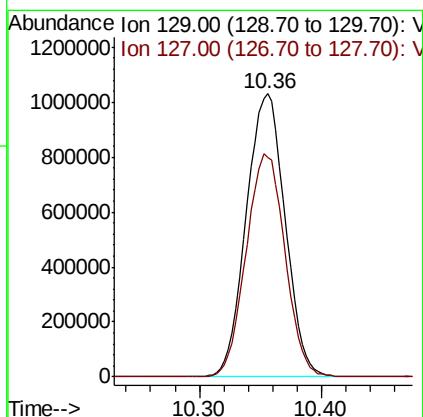
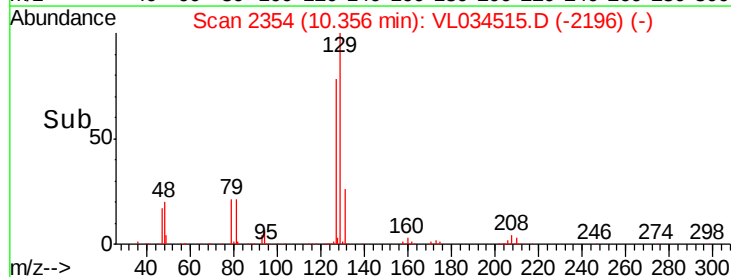
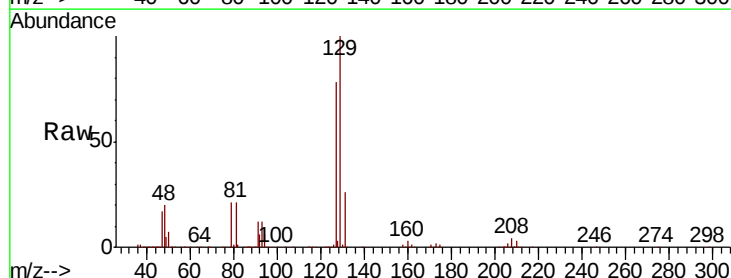
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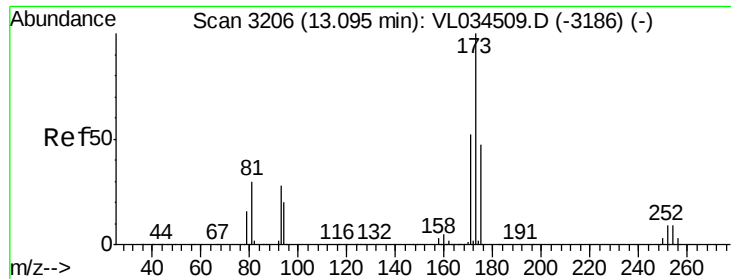
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#48
 Dibromochloromethane
 Concen: 14.051 ppbv
 RT: 10.36 min Scan# 2354
 Delta R.T. 0.01 min
 Lab File: VL034515.D
 Acq: 30 Dec 2019 14:16

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.9	39.4	118.2





#49

Bromoform

Concen: 14.303 ppbv

RT: 13.10 min Scan# 3208

Delta R.T. 0.01 min

Lab File: VL034515.D

Acq: 30 Dec 2019 14:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion:173 Resp: 2062362

Ion Ratio Lower Upper

173 100

175 49.8 39.8 59.8

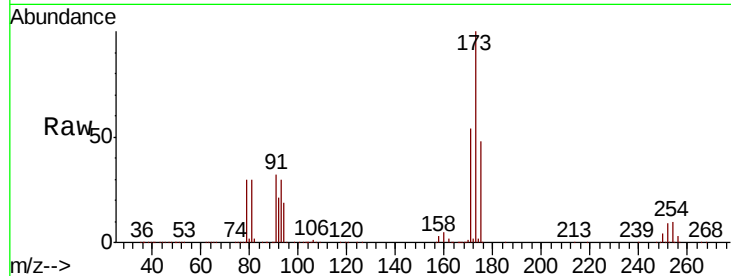
171 52.9 42.1 63.1

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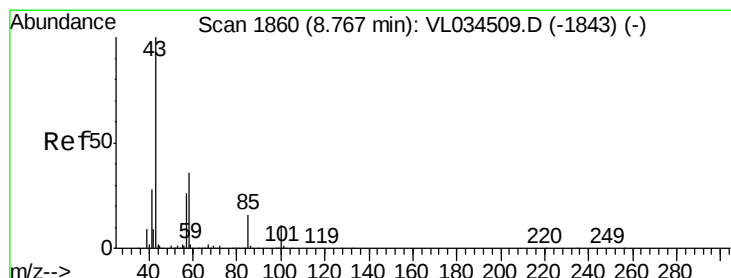
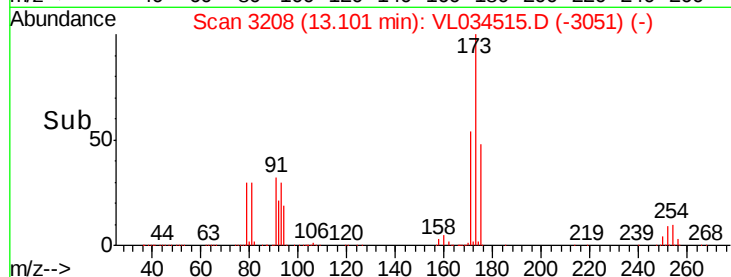
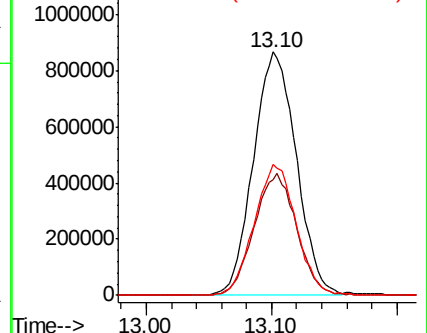
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Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 12.680 ppbv

RT: 8.77 min Scan# 1862

Delta R.T. 0.01 min

Lab File: VL034515.D

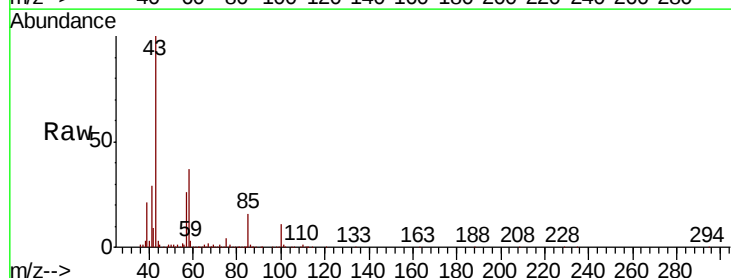
Acq: 30 Dec 2019 14:16

Tgt Ion: 43 Resp: 3316265

Ion Ratio Lower Upper

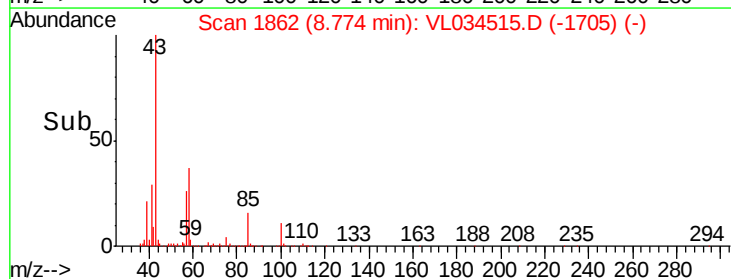
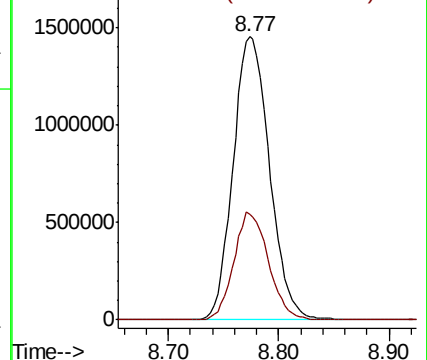
43 100

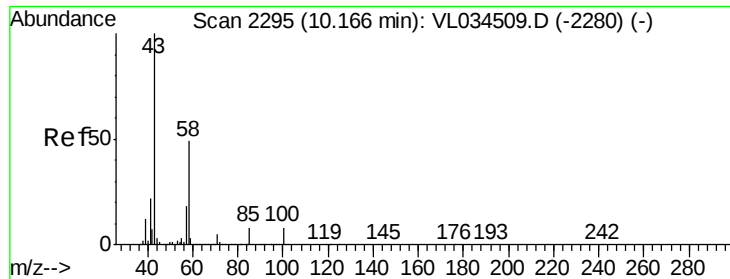
58 36.3 28.2 42.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





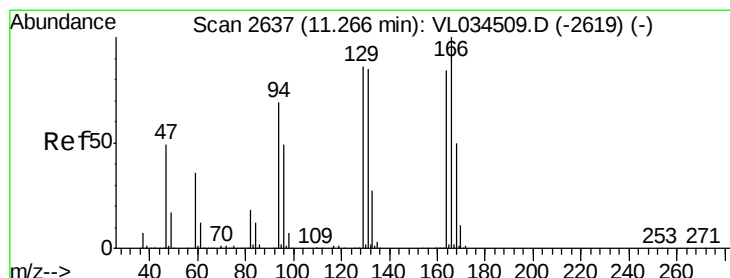
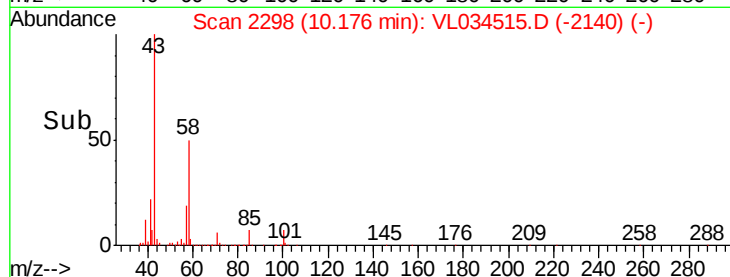
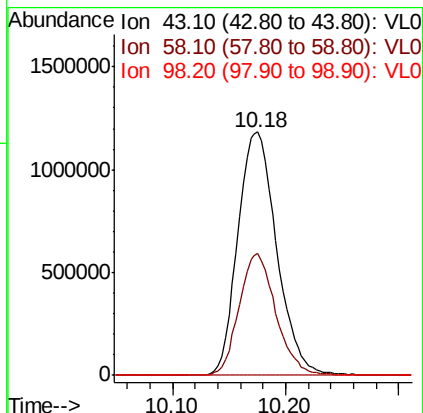
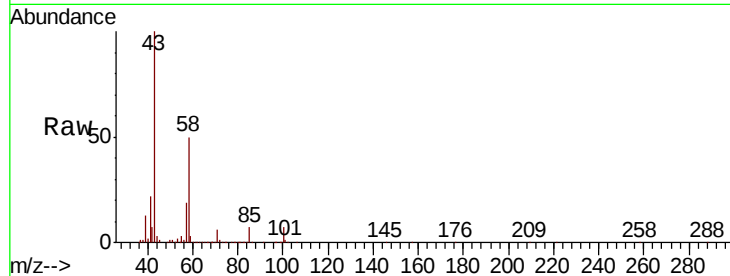
#51
2-Hexanone
Concen: 12.915 ppbv
RT: 10.18 min Scan# 2298
Delta R.T. 0.01 min
Lab File: VL034515.D
Acq: 30 Dec 2019 14:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 43 Resp: 2829190
Ion Ratio Lower Upper
43 100
58 47.3 37.4 56.0
98 0.2 0.2 0.2

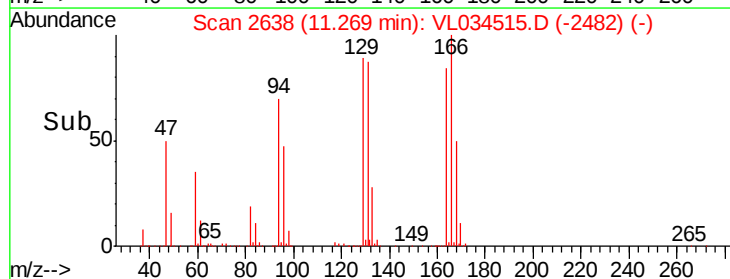
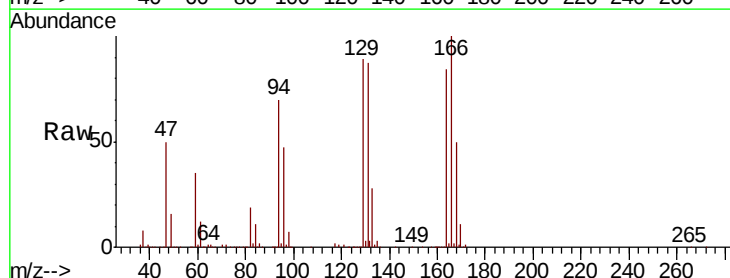
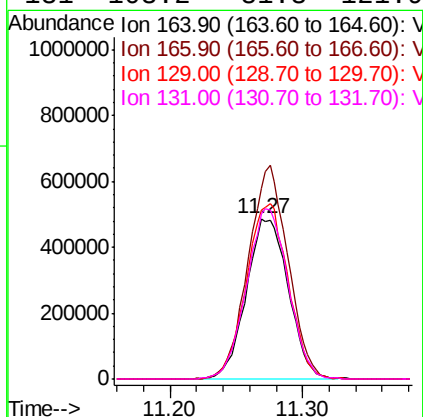
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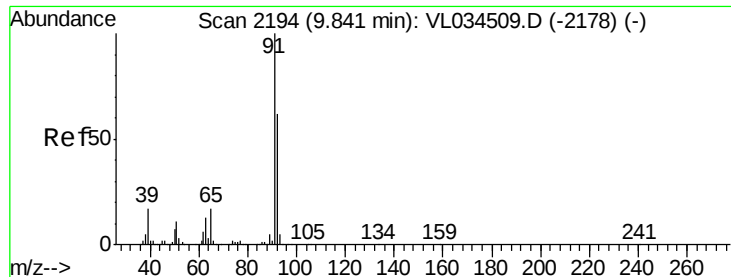
apatel
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#52
Tetrachloroethene
Concen: 11.287 ppbv
RT: 11.27 min Scan# 2638
Delta R.T. 0.00 min
Lab File: VL034515.D
Acq: 30 Dec 2019 14:16

Tgt Ion: 164 Resp: 1072034
Ion Ratio Lower Upper
164 100
166 118.4 95.7 143.5
129 105.2 82.2 123.2
131 103.2 81.3 121.9





#53

Toluene

Concen: 12.901 ppbv

RT: 9.85 min Scan# 2196

Delta R.T. 0.01 min

Lab File: VL034515.D

Acq: 30 Dec 2019 14:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 91 Resp: 3216799

Ion Ratio Lower Upper

91 100

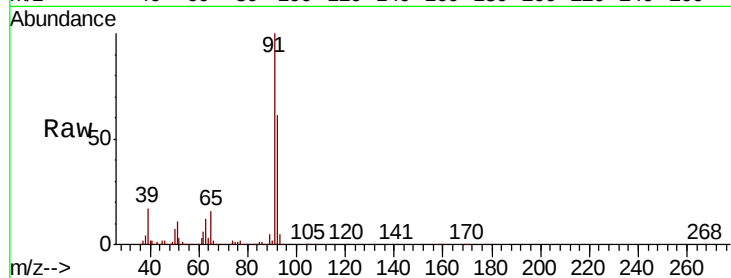
92 60.5 48.4 72.6

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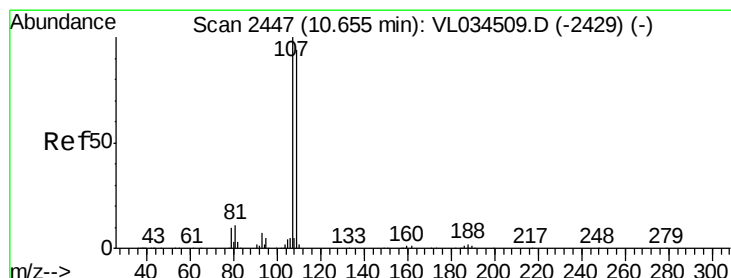
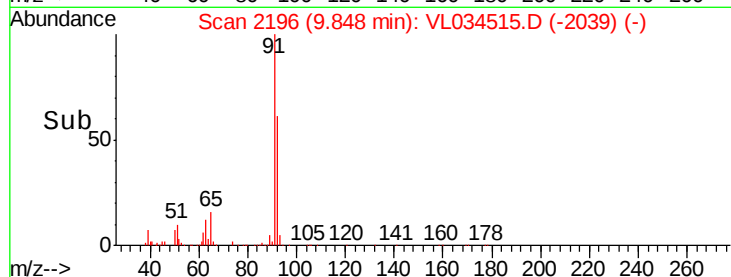
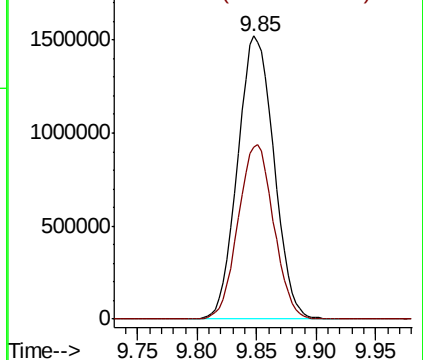
apatel

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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 12.702 ppbv

RT: 10.66 min Scan# 2449

Delta R.T. 0.01 min

Lab File: VL034515.D

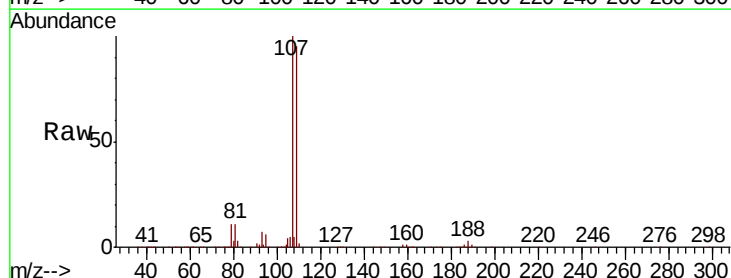
Acq: 30 Dec 2019 14:16

Tgt Ion: 107 Resp: 1831985

Ion Ratio Lower Upper

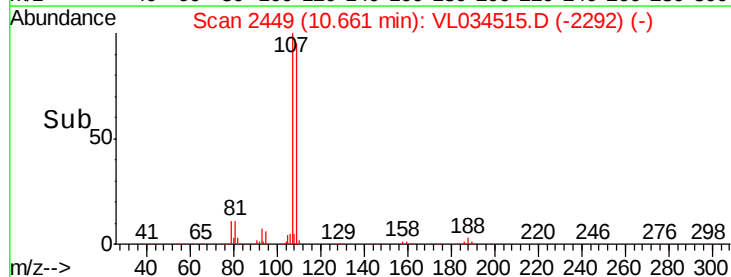
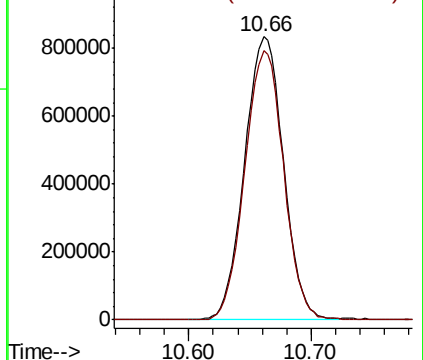
107 100

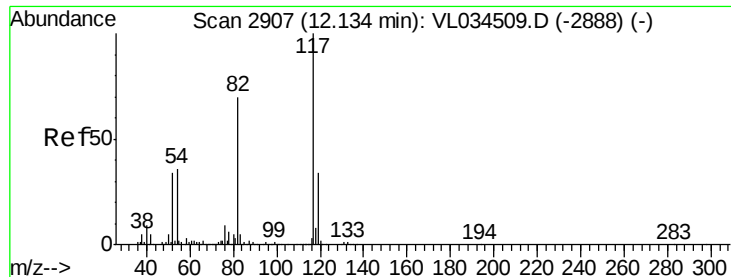
109 95.0 75.5 113.3



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





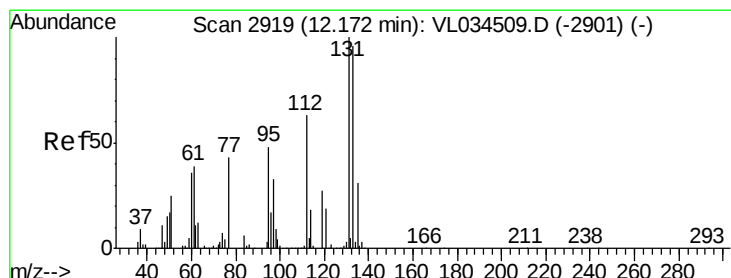
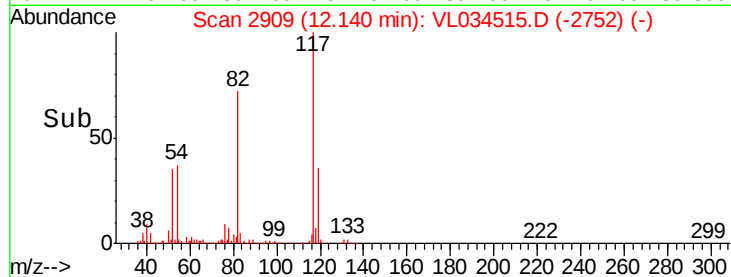
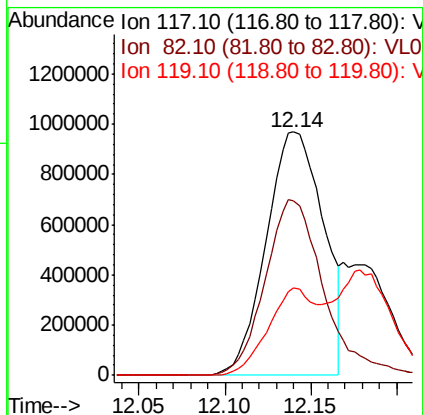
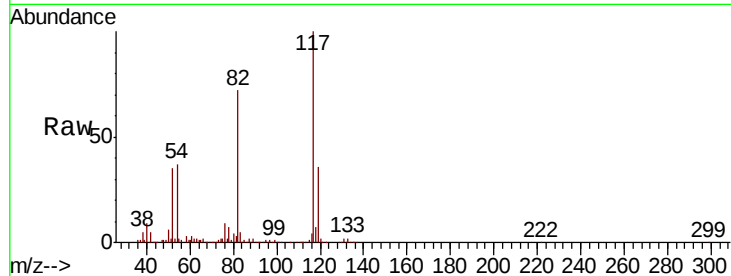
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.14 min Scan# 2909
Delta R.T. 0.01 min
Lab File: VL034515.D
Acq: 30 Dec 2019 14:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion:117 Resp: 2239926
Ion Ratio Lower Upper
117 100
82 74.1 56.2 84.4
119 33.0 27.1 40.7

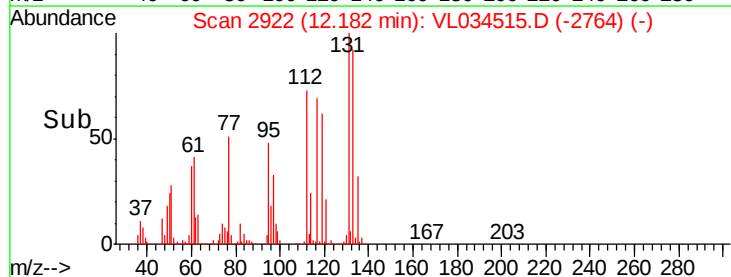
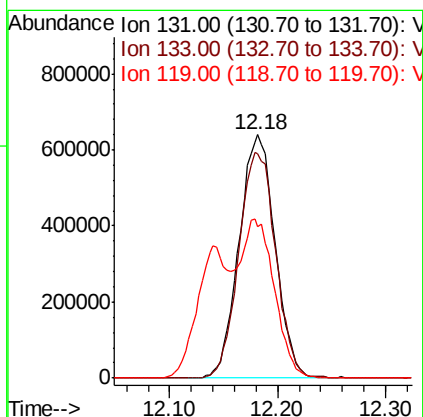
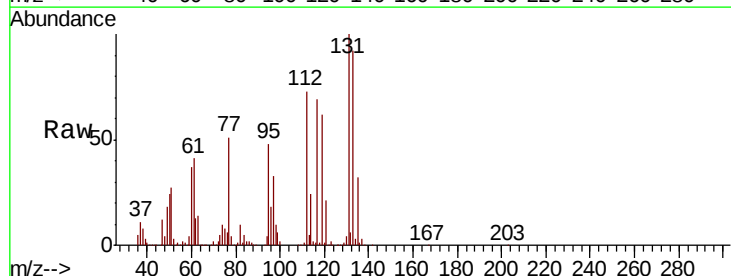
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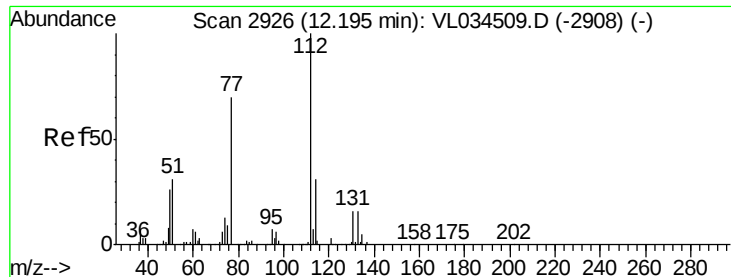
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#56
1,1,1,2-Tetrachloroethane
Concen: 13.578 ppbv
RT: 12.18 min Scan# 2922
Delta R.T. 0.01 min
Lab File: VL034515.D
Acq: 30 Dec 2019 14:16

Tgt Ion:131 Resp: 1487668
Ion Ratio Lower Upper
131 100
133 95.3 76.2 114.2
119 60.7 47.1 70.7





#57

Chlorobenzene

Concen: 12.462 ppbv

RT: 12.20 min Scan# 2929

Delta R.T. 0.01 min

Lab File: VL034515.D

Acq: 30 Dec 2019 14:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion:112 Resp: 2523318

Ion Ratio Lower Upper

112 100

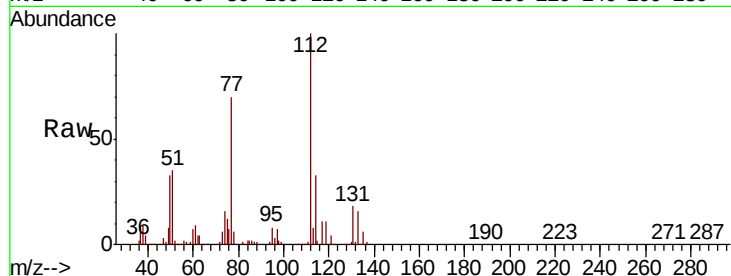
77 69.3 57.4 86.0

114 33.1 28.4 34.8

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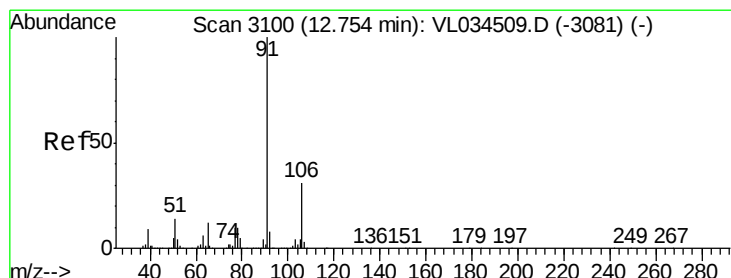
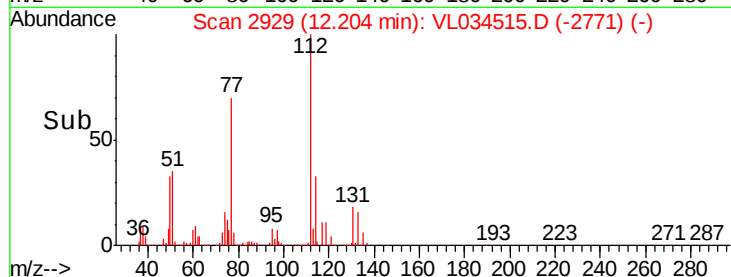
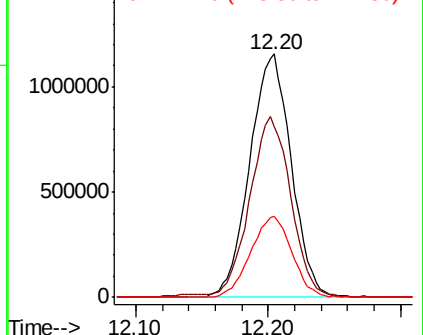


Abundance

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: 12.634 ppbv

RT: 12.76 min Scan# 3103

Delta R.T. 0.01 min

Lab File: VL034515.D

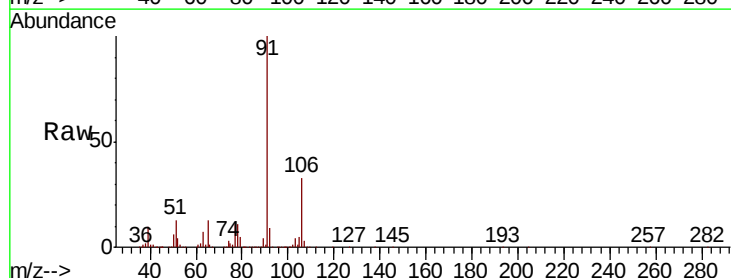
Acq: 30 Dec 2019 14:16

Tgt Ion: 91 Resp: 4391763

Ion Ratio Lower Upper

91 100

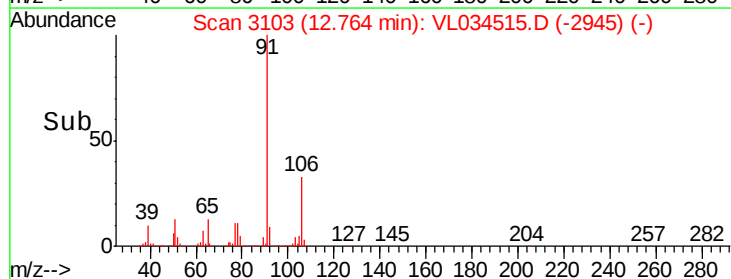
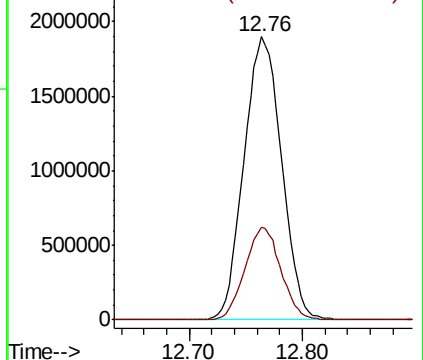
106 32.8 24.6 36.8

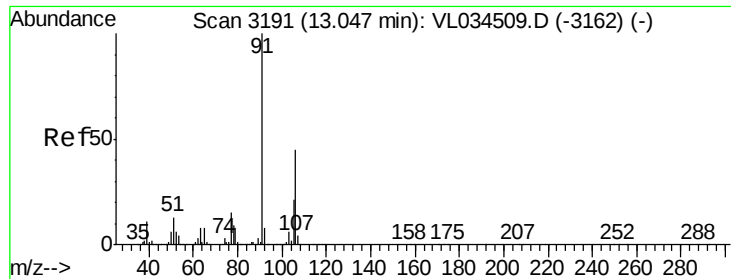


Abundance

Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





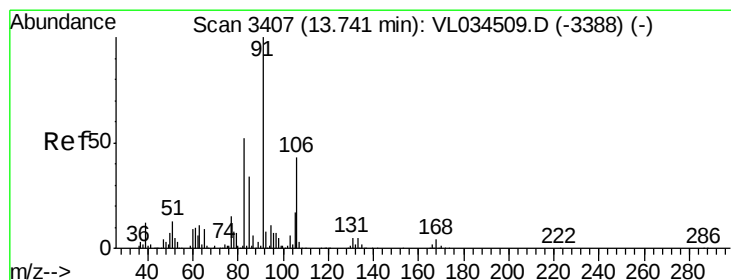
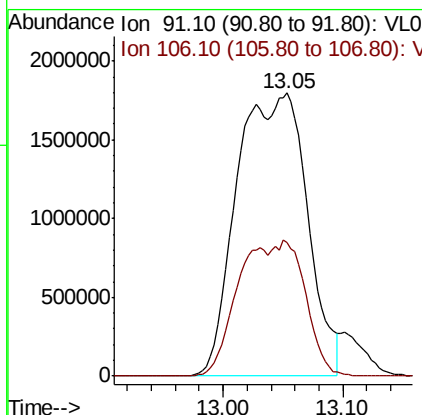
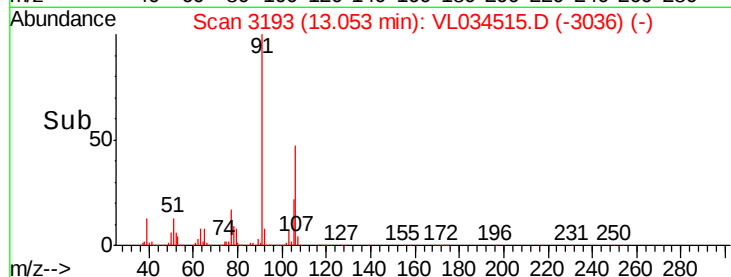
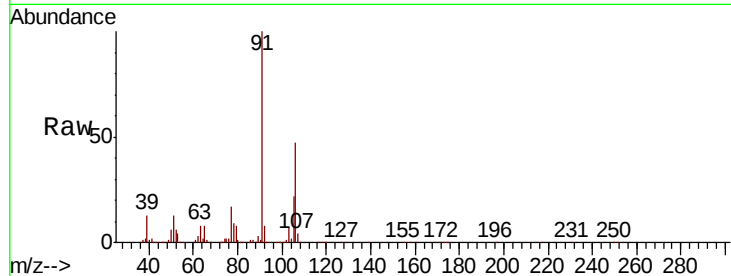
#59
m/p-Xylene
Concen: 24.422 ppbv m
RT: 13.05 min Scan# 3193
Delta R.T. 0.01 min
Lab File: VL034515.D
Acq: 30 Dec 2019 14:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 91 Resp: 7338218
Ion Ratio Lower Upper
91 100
106 45.4 35.6 53.4

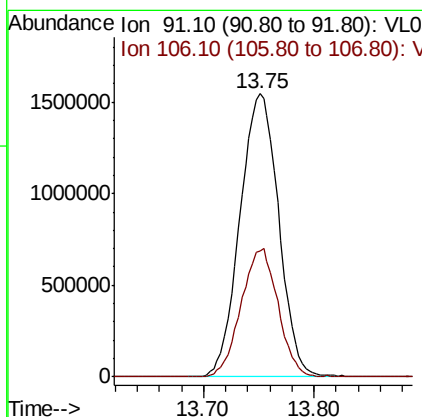
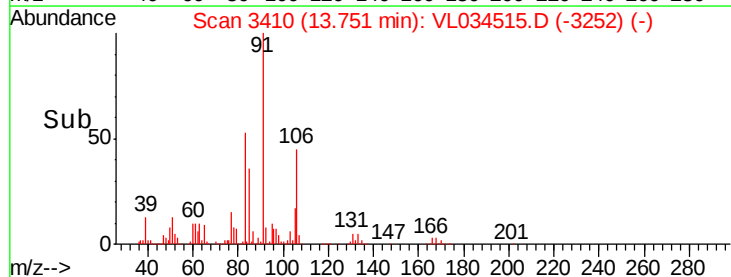
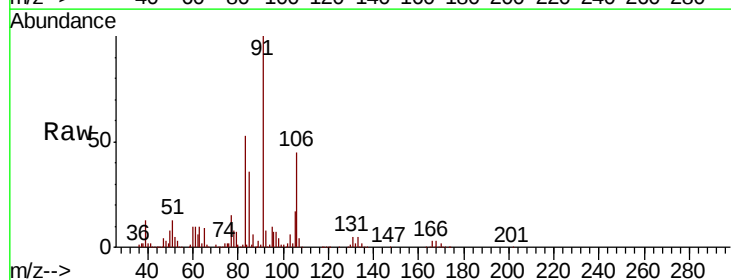
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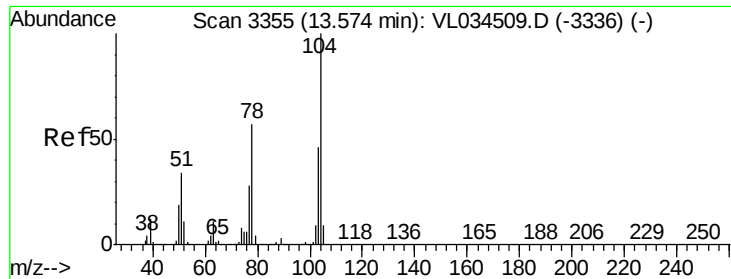
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#60
o-Xylene
Concen: 12.625 ppbv
RT: 13.75 min Scan# 3410
Delta R.T. 0.01 min
Lab File: VL034515.D
Acq: 30 Dec 2019 14:16

Tgt Ion: 91 Resp: 3750844
Ion Ratio Lower Upper
91 100
106 43.6 21.4 64.3





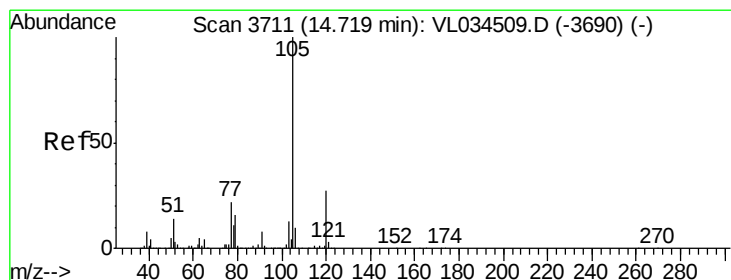
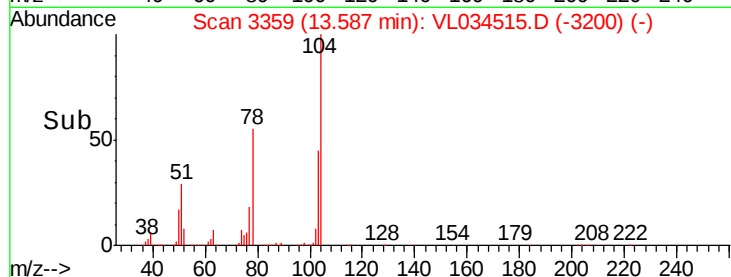
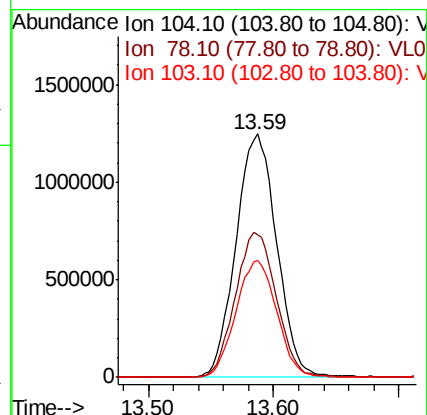
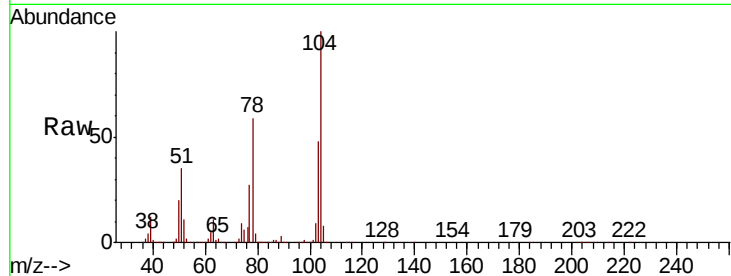
#61
Stvrene
Concen: 13.115 ppbv
RT: 13.59 min Scan# 3359
Delta R.T. 0.01 min
Lab File: VL034515.D
Acq: 30 Dec 2019 14:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
104	100		
78	60.3	47.7	71.5
103	48.5	38.6	58.0

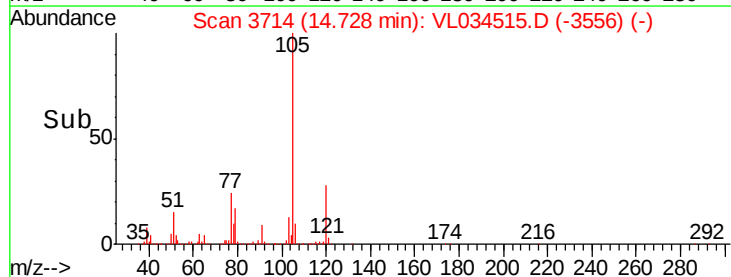
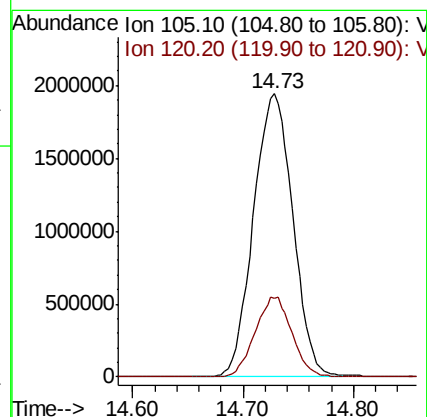
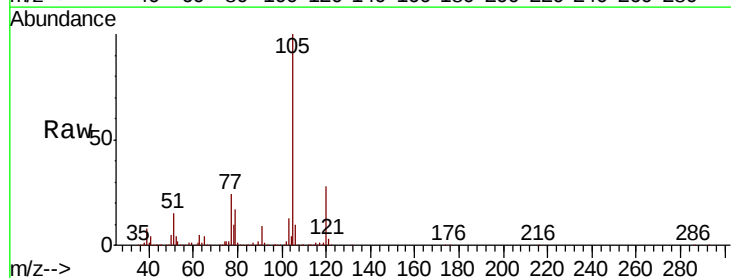
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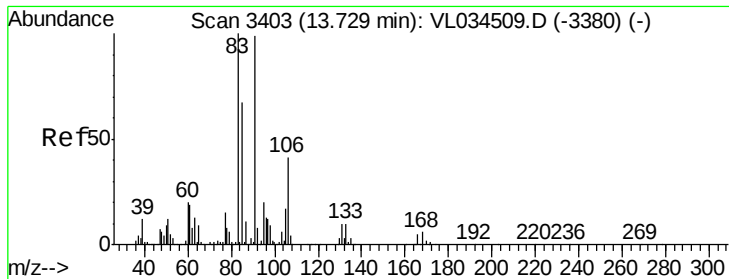
apatel
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#62
Isopropylbenzene
Concen: 12.215 ppbv
RT: 14.73 min Scan# 3714
Delta R.T. 0.01 min
Lab File: VL034515.D
Acq: 30 Dec 2019 14:16

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.6	20.6	30.8





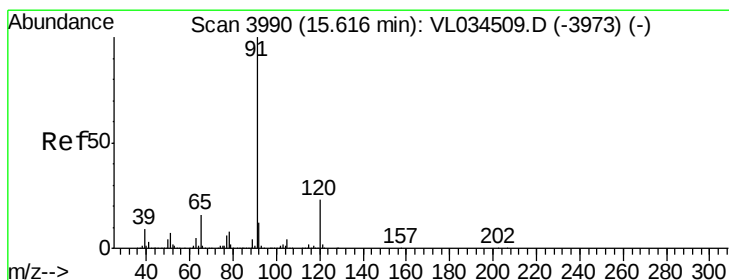
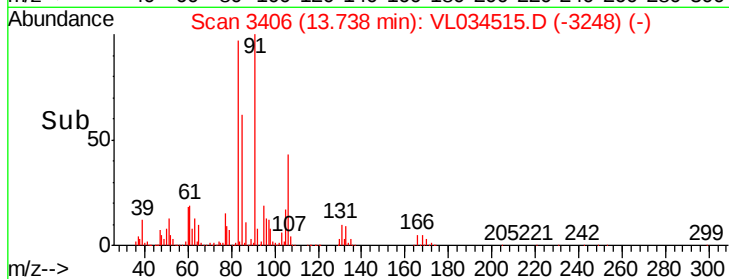
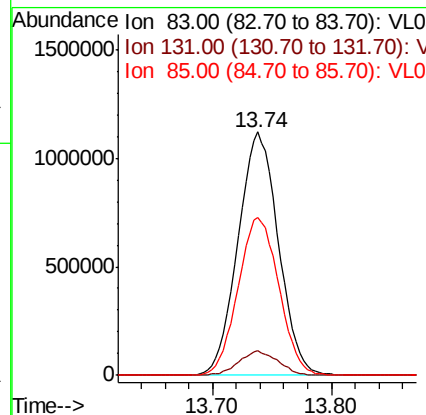
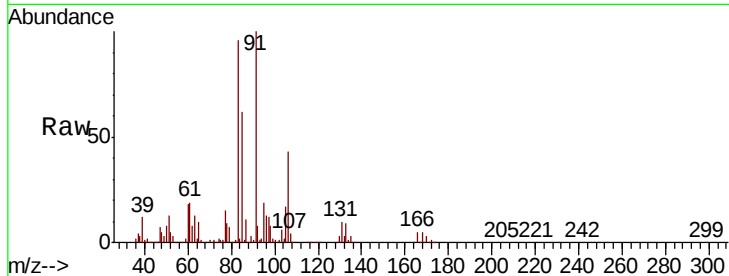
#63
 1,1,2,2-Tetrachloroethane
 Concen: 11.744 ppbv
 RT: 13.74 min Scan# 3406
 Delta R.T. 0.01 min
 Lab File: VL034515.D
 Acq: 30 Dec 2019 14:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
83	100		
131	9.9	4.8	14.4
85	65.8	32.5	97.4

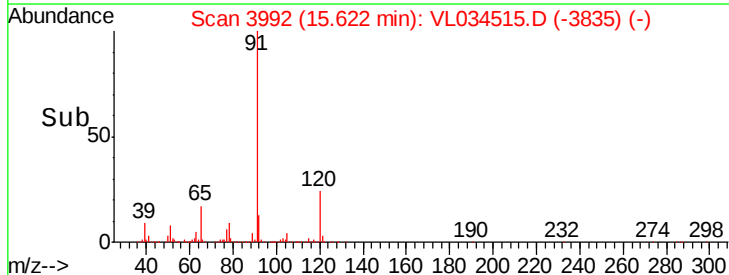
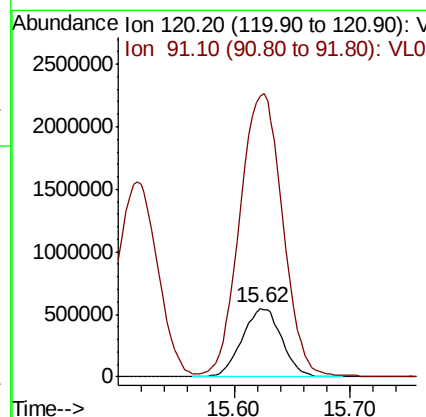
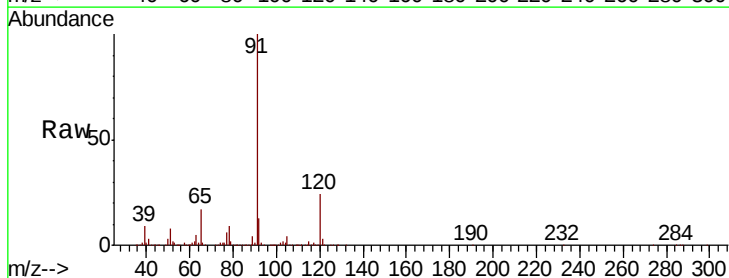
Manual Integrations
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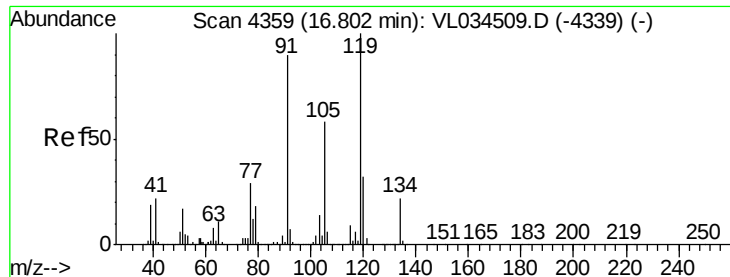
apatel
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#64
 n-propylbenzene
 Concen: 12.758 ppbv
 RT: 15.62 min Scan# 3992
 Delta R.T. 0.01 min
 Lab File: VL034515.D
 Acq: 30 Dec 2019 14:16

Tgt Ion	Ratio	Lower	Upper
120	100		
91	448.4	375.6	563.4





#65

tert-Butylbenzene

Concen: 12.253 ppbv

RT: 16.81 min Scan# 4362

Delta R.T. 0.01 min

Lab File: VL034515.D

Acq: 30 Dec 2019 14:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion:119 Resp: 4324546

Ion Ratio Lower Upper

119 100

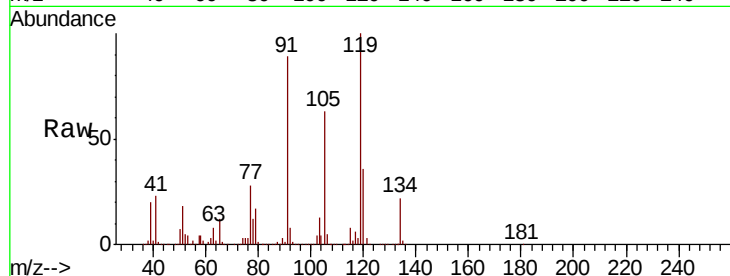
91 89.5 72.0 108.0

134 20.4 16.1 24.1

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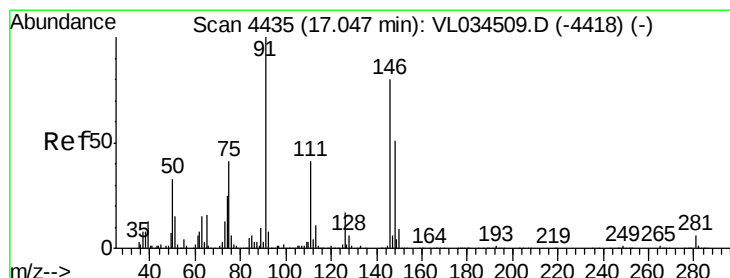
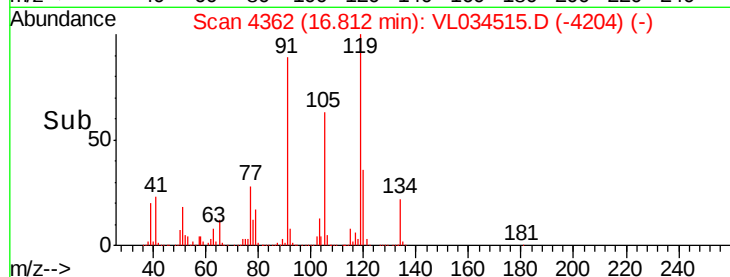
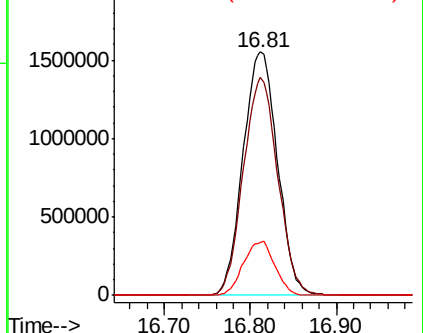
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Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 17.010 ppbv

RT: 17.06 min Scan# 4439

Delta R.T. 0.01 min

Lab File: VL034515.D

Acq: 30 Dec 2019 14:16

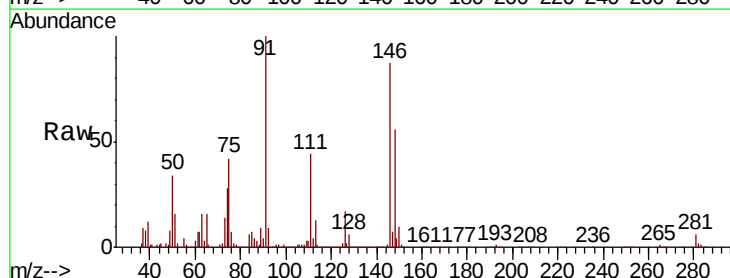
Tgt Ion: 91 Resp: 2309556

Ion Ratio Lower Upper

91 100

126 16.8 13.1 19.7

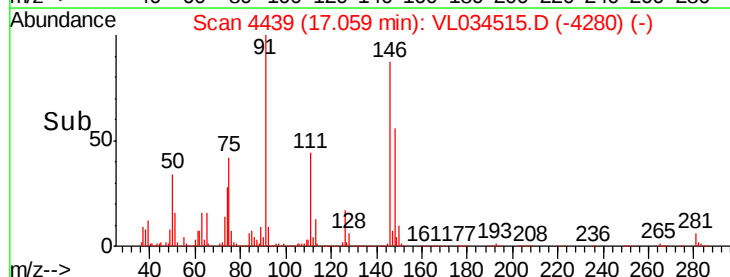
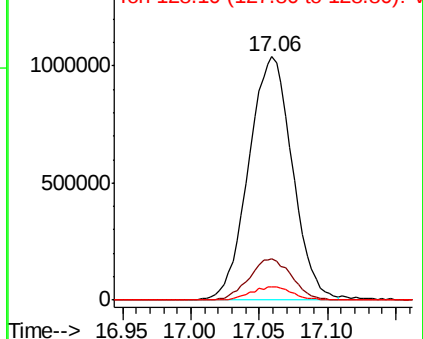
128 5.4 4.2 6.4

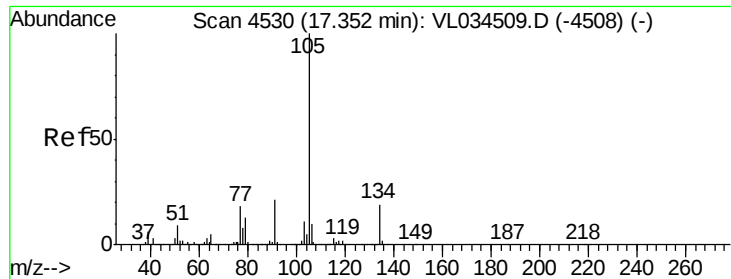


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 11.805 ppbv

RT: 17.36 min Scan# 4533

Delta R.T. 0.01 min

Lab File: VL034515.D

Acq: 30 Dec 2019 14:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 105 Resp: 5828177

Ion Ratio Lower Upper

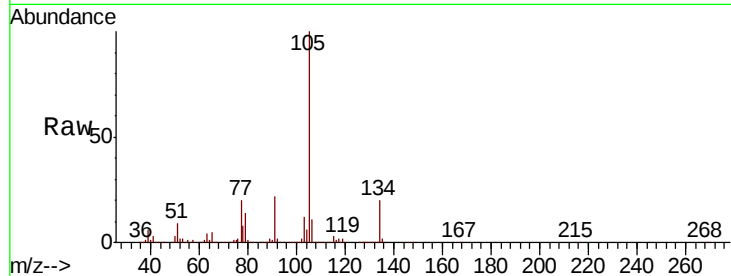
105 100

134 19.7 15.1 22.7

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

17.36

2500000

2000000

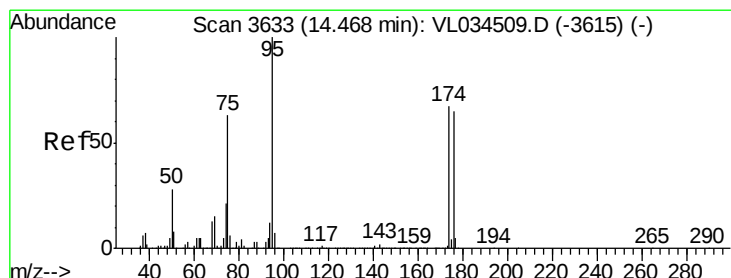
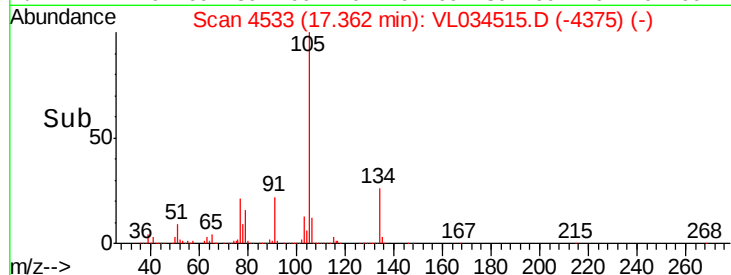
1500000

1000000

500000

0

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 10.147 ppbv

RT: 14.47 min Scan# 3635

Delta R.T. 0.01 min

Lab File: VL034515.D

Acq: 30 Dec 2019 14:16

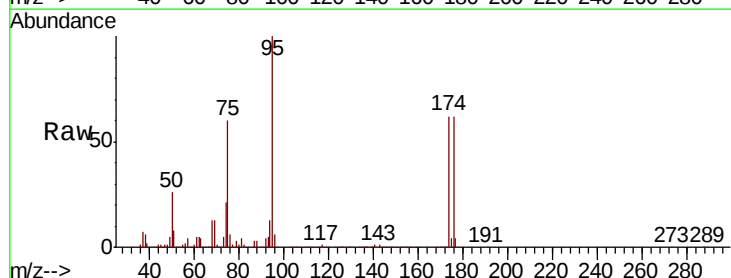
Tgt Ion: 95 Resp: 1912091

Ion Ratio Lower Upper

95 100

174 65.1 52.4 78.6

175 4.8 3.9 5.9



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

14.47

1000000

800000

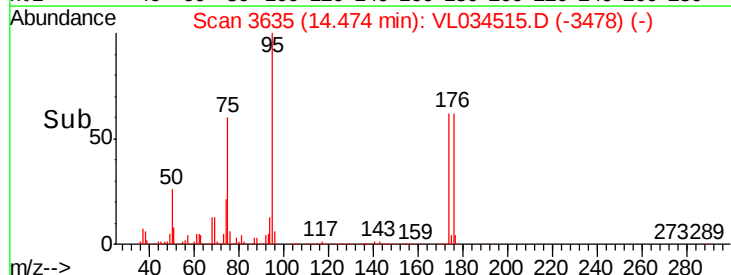
600000

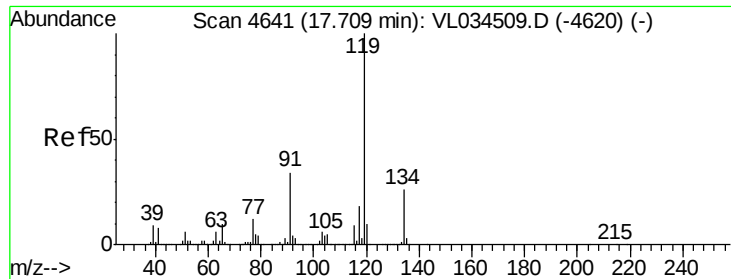
400000

200000

0

Time-->





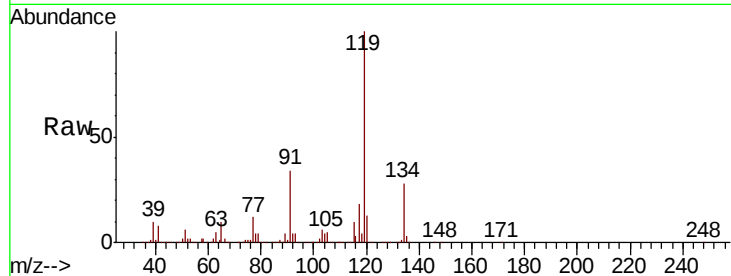
#69
 p-Isopropyltoluene
 Concen: 11.974 ppbv
 RT: 17.72 min Scan# 4645
 Delta R.T. 0.01 min
 Lab File: VL034515.D
 Acq: 30 Dec 2019 14:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.9	20.7	31.1
91	34.2	26.6	39.8

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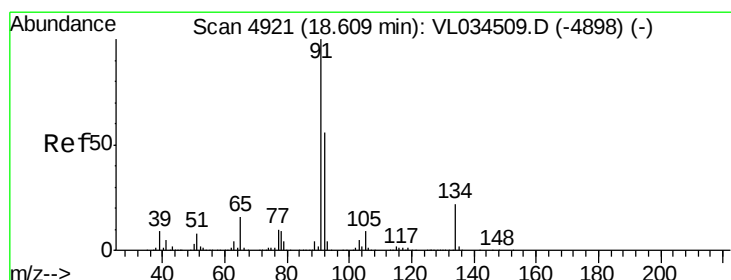
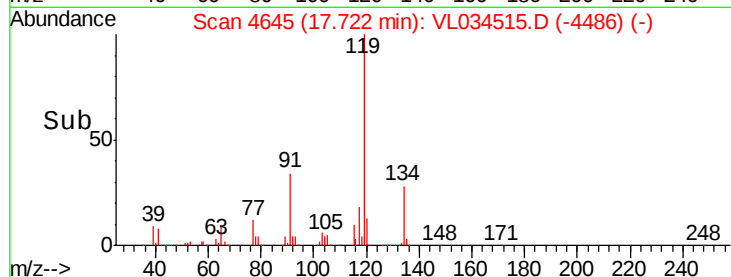
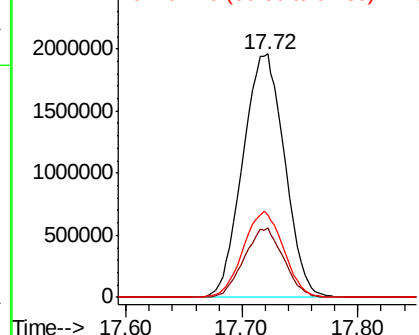


Abundance

Ion 119.10 (118.80 to 119.80): V

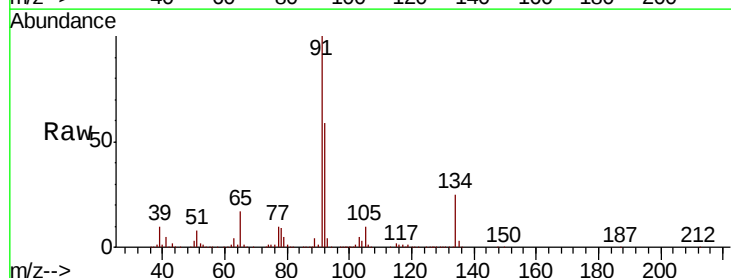
Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70
 n-Butylbenzene
 Concen: 11.727 ppbv
 RT: 18.62 min Scan# 4924
 Delta R.T. 0.01 min
 Lab File: VL034515.D
 Acq: 30 Dec 2019 14:16

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.9	43.8	65.6
134	23.2	18.0	27.0

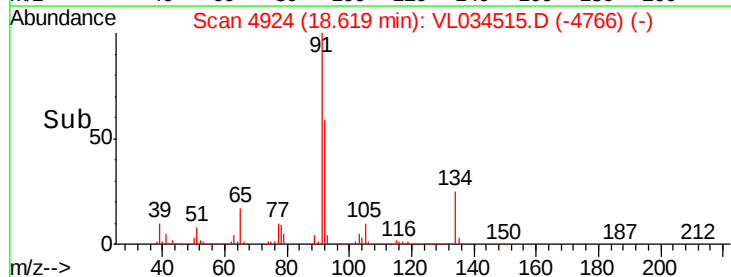
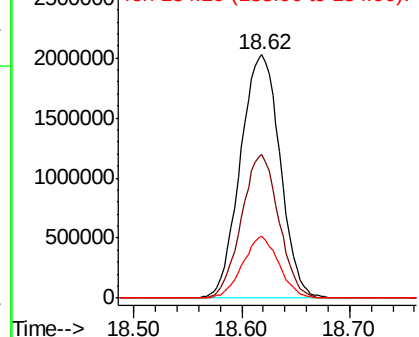


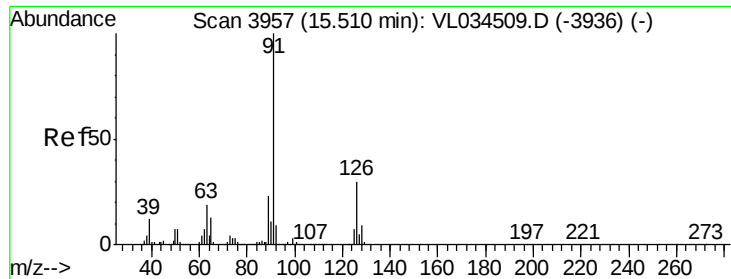
Abundance

Ion 91.10 (90.80 to 91.80): V

Ion 92.10 (91.80 to 92.80): V

Ion 134.20 (133.90 to 134.90): V





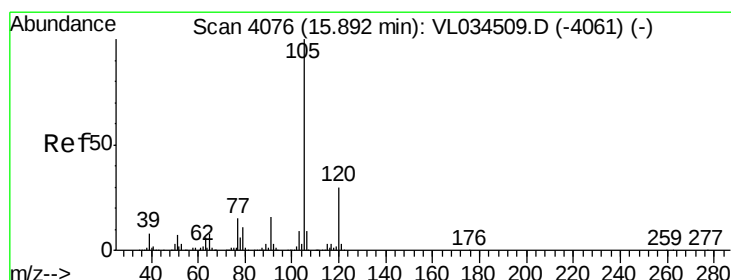
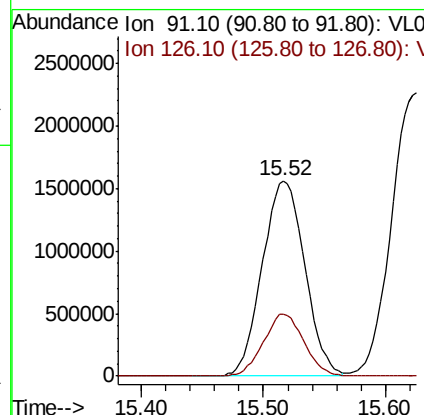
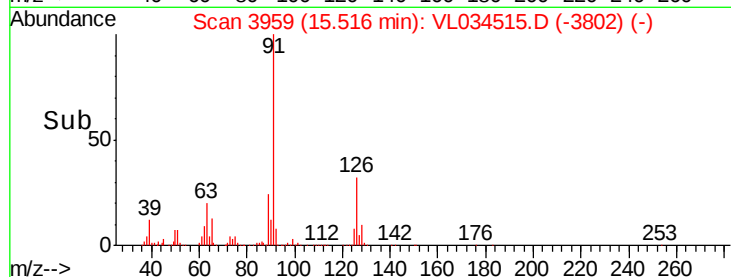
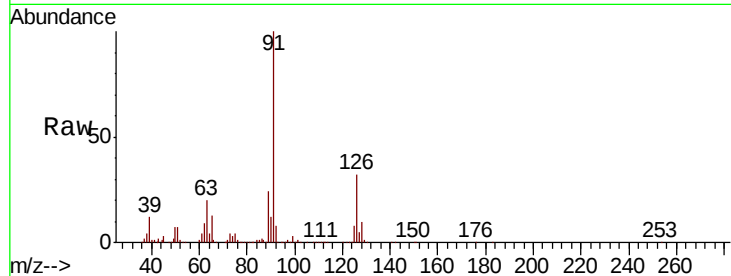
#71
 2-Chlorotoluene
 Concen: 12.092 ppbv
 RT: 15.52 min Scan# 3959
 Delta R.T. 0.01 min
 Lab File: VL034515.D
 Acq: 30 Dec 2019 14:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion: 91 Resp: 3788245
 Ion Ratio Lower Upper
 91 100
 126 30.7 12.0 47.8

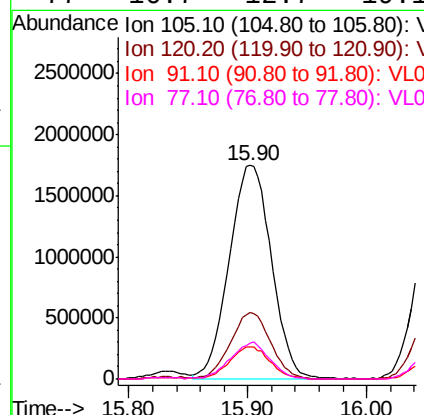
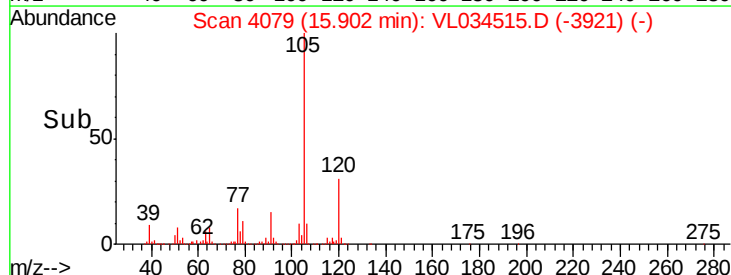
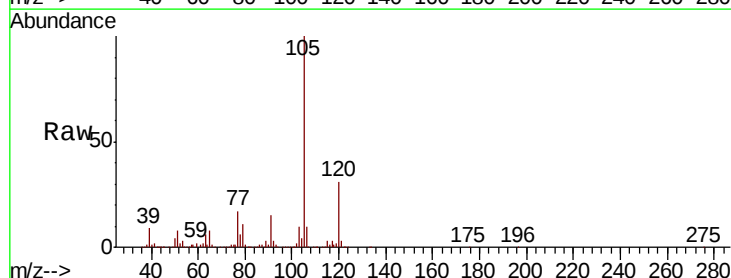
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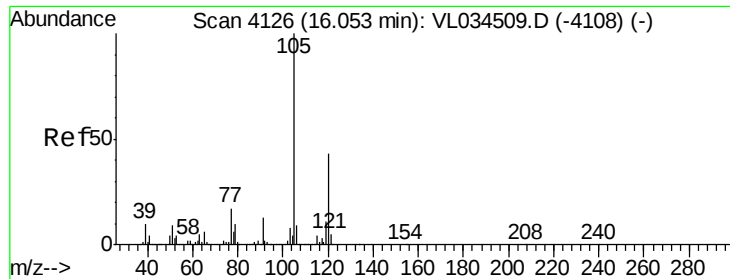
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#72
 4-Ethyltoluene
 Concen: 12.494 ppbv
 RT: 15.90 min Scan# 4079
 Delta R.T. 0.01 min
 Lab File: VL034515.D
 Acq: 30 Dec 2019 14:16

Tgt Ion: 105 Resp: 4288912
 Ion Ratio Lower Upper
 105 100
 120 29.8 23.7 35.5
 91 14.5 11.5 17.3
 77 16.7 12.7 19.1





#73

1,3,5-Trimethylbenzene

Concen: 12.217 ppbv

RT: 16.06 min Scan# 4129

Delta R.T. 0.01 min

Lab File: VL034515.D

Acq: 30 Dec 2019 14:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion:105 Resp: 4105116

Ion Ratio Lower Upper

105 100

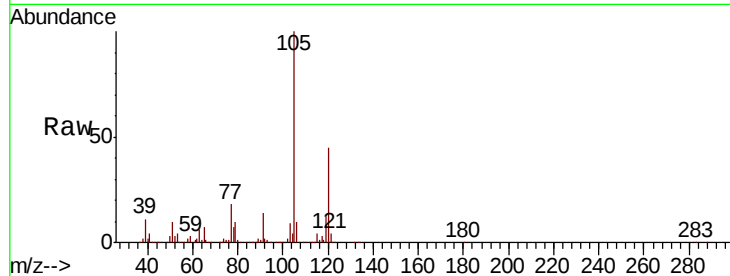
120 45.3 34.6 52.0

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

2000000

1500000

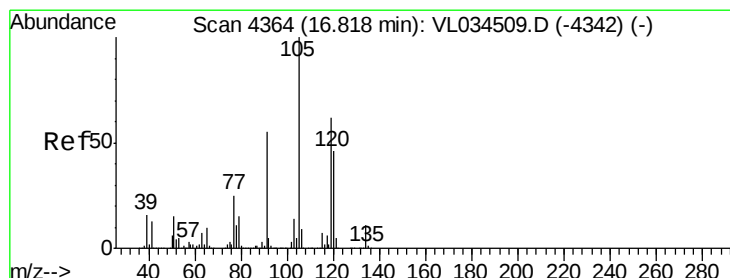
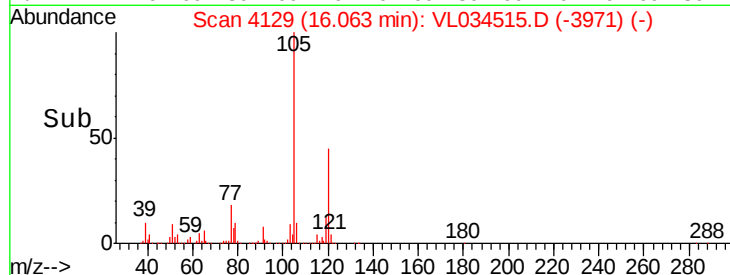
1000000

500000

0

16.00 16.05 16.10

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 11.750 ppbv

RT: 16.83 min Scan# 4368

Delta R.T. 0.01 min

Lab File: VL034515.D

Acq: 30 Dec 2019 14:16

Tgt Ion:105 Resp: 4193900

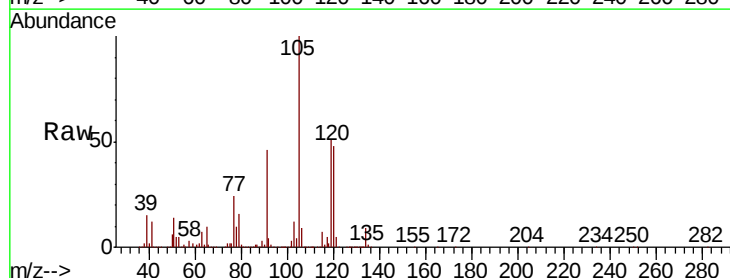
Ion Ratio Lower Upper

105 100

120 48.2 36.7 55.1

91 45.7 44.0 66.0

77 23.7 19.9 29.9



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

2500000

2000000

1500000

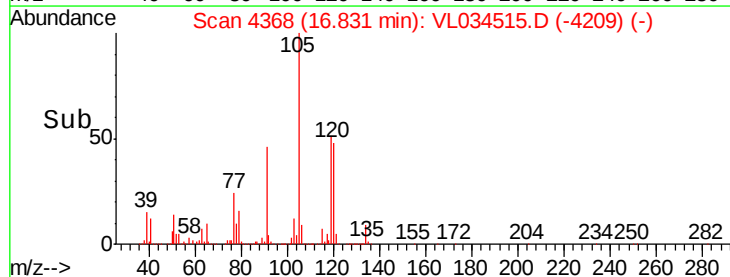
1000000

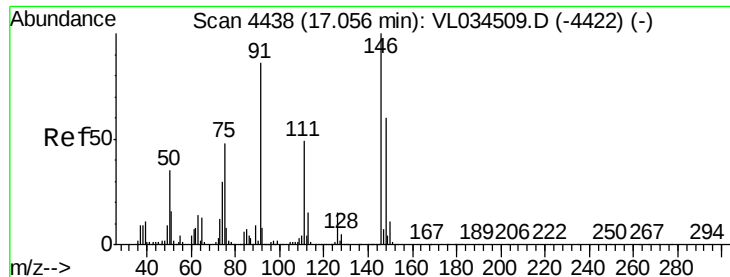
500000

0

16.70 16.80 16.90

Time-->





#75

1,3-Dichlorobenzene

Concen: 11.818 ppbv

RT: 17.07 min Scan# 4442

Delta R.T. 0.01 min

Lab File: VL034515.D

Acq: 30 Dec 2019 14:16

Instrument :

MSVOA_L

ClientSampled :

VSTDIC015

Tot Ion:146 Resp: 2424526

Ion Ratio Lower Upper

146 100

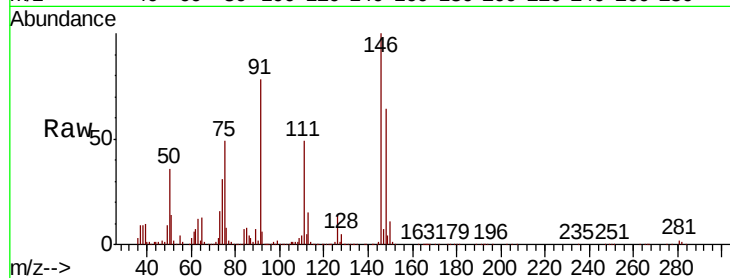
111 49.5 25.1 75.3

148 64.9 33.0 99.0

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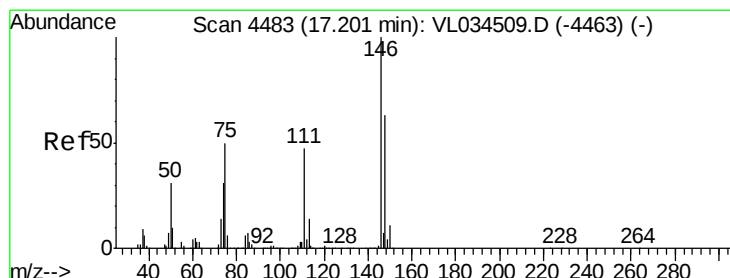
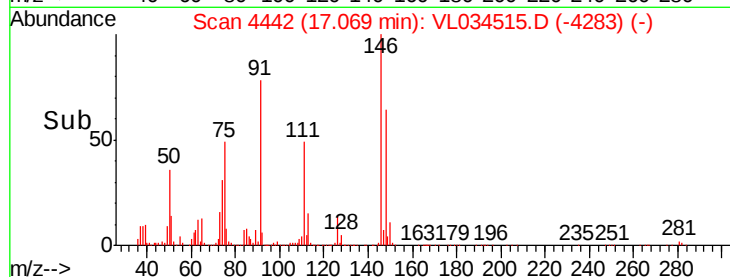
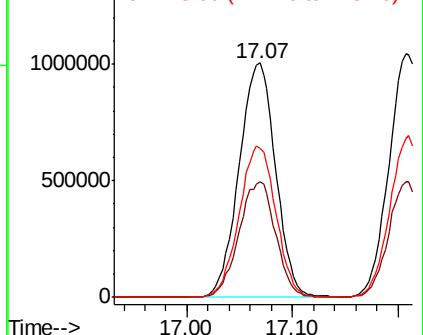
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Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 12.227 ppbv

RT: 17.21 min Scan# 4485

Delta R.T. 0.01 min

Lab File: VL034515.D

Acq: 30 Dec 2019 14:16

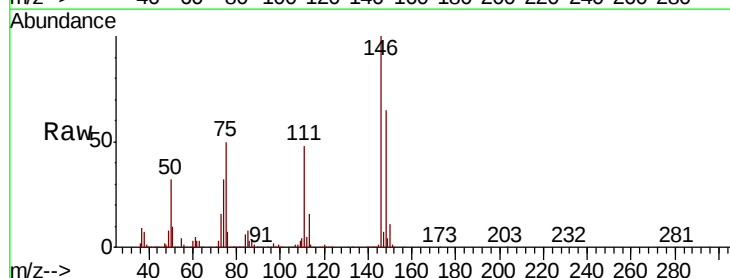
Tgt Ion:146 Resp: 2435871

Ion Ratio Lower Upper

146 100

111 48.2 23.5 70.6

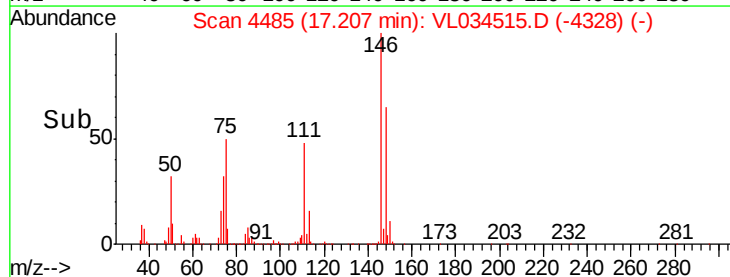
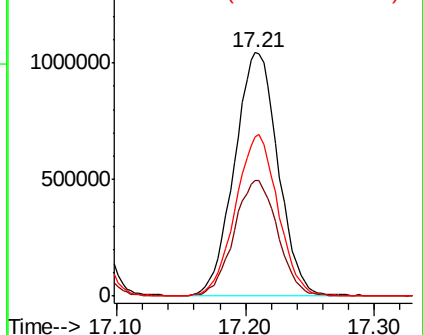
148 65.4 32.1 96.3

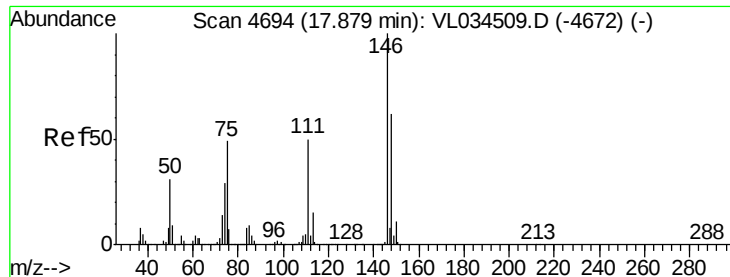


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 11.806 ppbv

RT: 17.89 min Scan# 4697

Delta R.T. 0.01 min

Lab File: VL034515.D

Acq: 30 Dec 2019 14:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion:146 Resp: 2339476

Ion Ratio Lower Upper

146 100

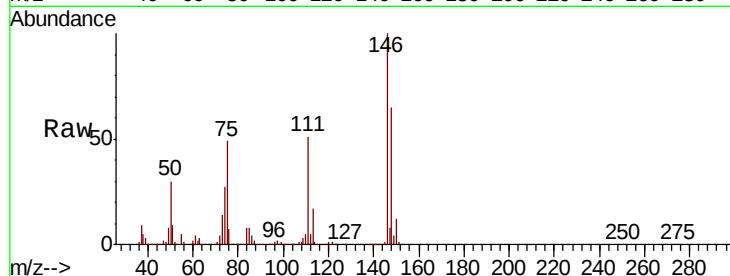
111 51.6 25.3 75.8

148 64.7 32.1 96.3

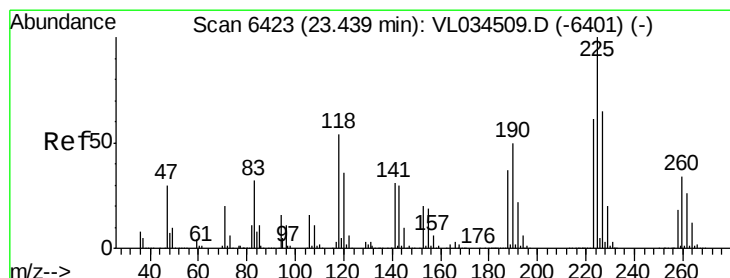
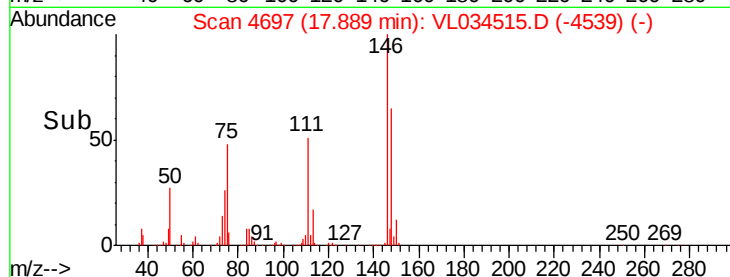
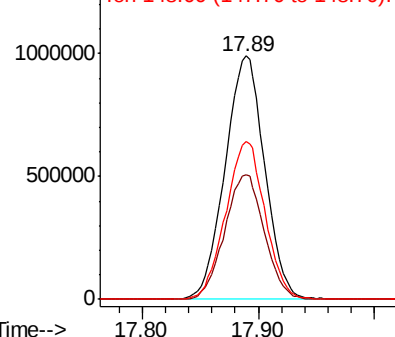
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Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.10 (110.80 to 111.80): V
Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 13.149 ppbv

RT: 23.45 min Scan# 6426

Delta R.T. 0.01 min

Lab File: VL034515.D

Acq: 30 Dec 2019 14:16

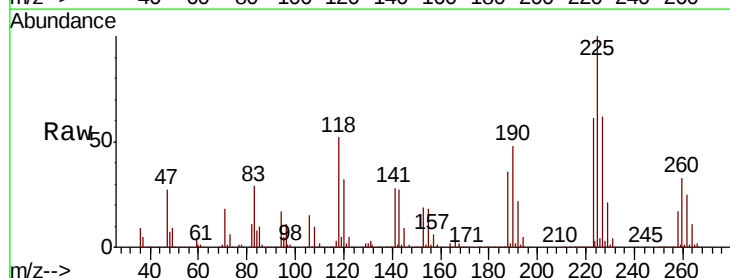
Tgt Ion:225 Resp: 2238638

Ion Ratio Lower Upper

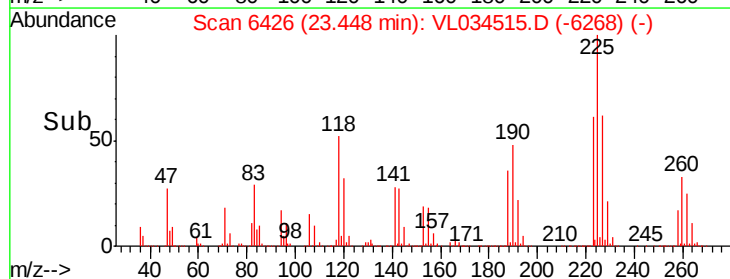
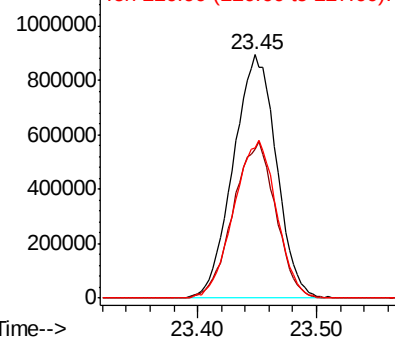
225 100

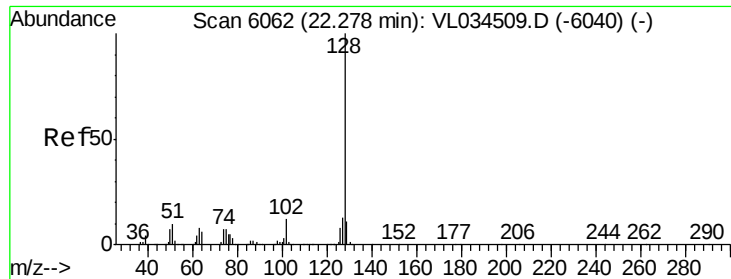
223 63.5 51.0 76.6

227 64.4 51.8 77.6



Abundance Ion 224.90 (224.60 to 225.60): V
Ion 222.90 (222.60 to 223.60): V
Ion 226.90 (226.60 to 227.60): V





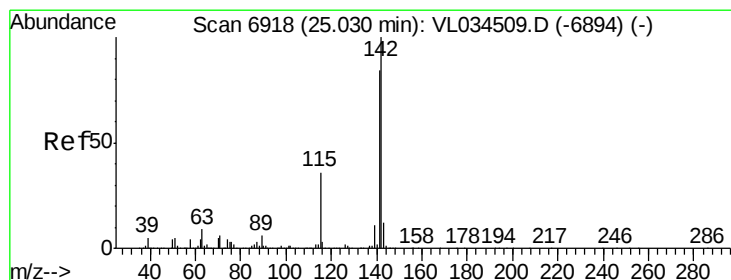
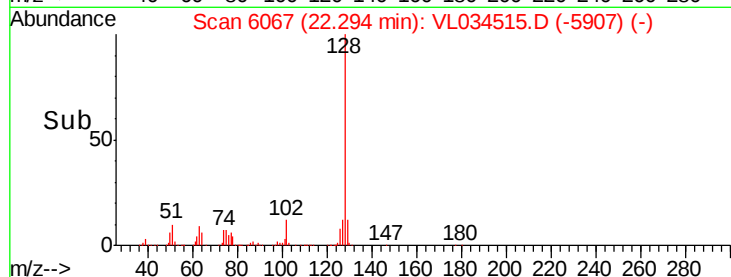
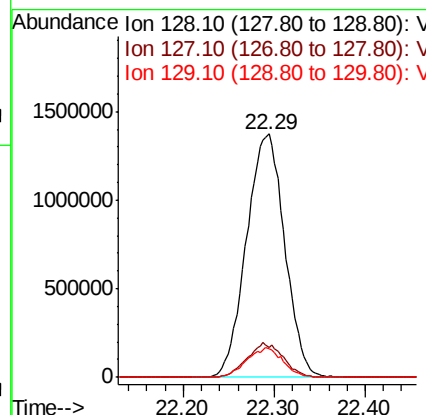
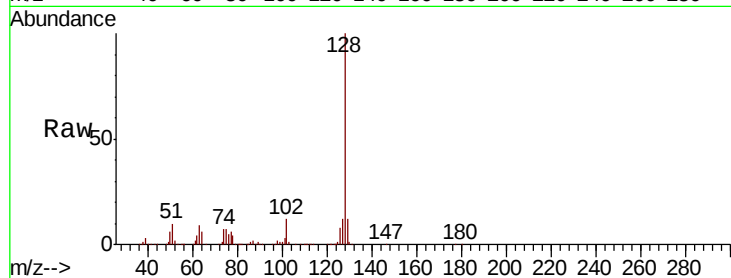
#79
Naphthalene
Concen: 12.938 ppbv
RT: 22.29 min Scan# 6067
Delta R.T. 0.02 min
Lab File: VL034515.D
Acq: 30 Dec 2019 14:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.6	15.8
129	11.5	8.7	13.1

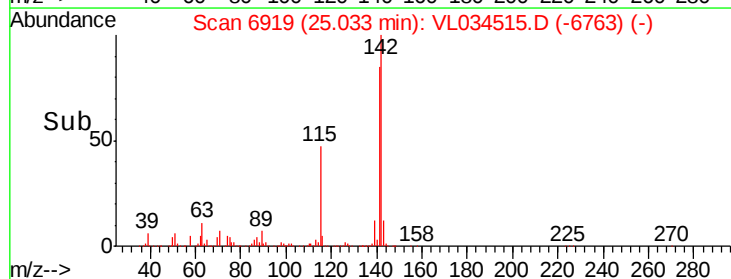
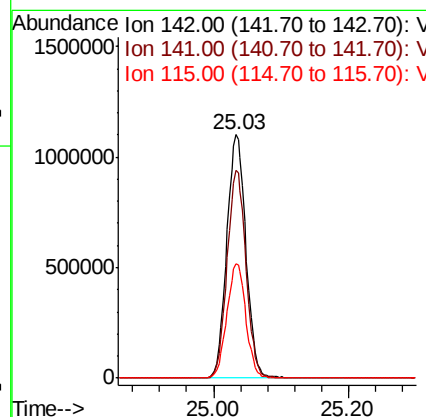
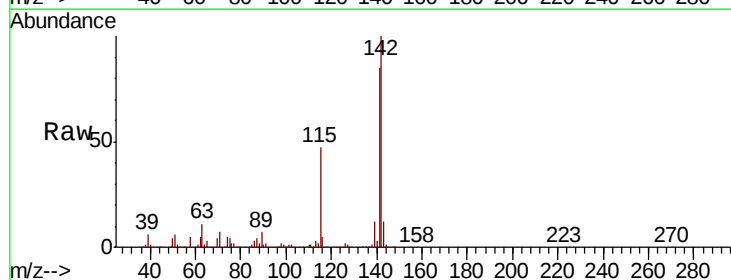
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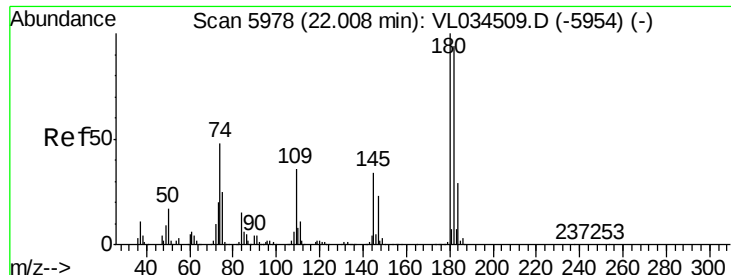
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#80
Naphthalene, 2-methyl-
Concen: 15.665 ppbv
RT: 25.03 min Scan# 6919
Delta R.T. 0.00 min
Lab File: VL034515.D
Acq: 30 Dec 2019 14:16

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.1	65.8	98.8
115	46.7	30.4	45.6#





#81
 1,2,4-Trichlorobenzene
 Concen: 12.464 ppbv
 RT: 22.02 min Scan# 5981
 Delta R.T. 0.01 min
 Lab File: VL034515.D
 Acq: 30 Dec 2019 14:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.5	77.8	116.8
184	31.8	25.2	37.8

Manual Integrations
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