

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL010220\
 Data File : VL034555.D
 Acq On : 2 Jan 2020 21:38
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

apatel
 1/3/2020 11:37:58 AM

Quant Time: Jan 03 05:57:44 2020

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 3

QLast Update : Mon Dec 30 14:58:50 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1022794	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2013016	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.13	117	2053318m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.47	95	1744569	10.18	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.80%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.02	85	1223273	7.584	ppbv	98
3) Chlorodifluoromethane	2.95	51	1134415	9.309	ppbv	99
4) Chloromethane	3.11	50	604386	8.350	ppbv	94
5) Vinyl Chloride	3.22	62	601283	8.483	ppbv	100
6) Bromomethane	3.44	94	350691	9.939	ppbv	98
7) Chloroethane	3.53	64	224426	9.086	ppbv	97
8) Dichlorotetrafluoroethane	3.15	85	1456903	9.006	ppbv	98
9) Propene	2.97	41	416195	8.858	ppbv	99
10) Heptane	8.14	43	1163537	9.590	ppbv	100
11) Trichlorofluoromethane	3.93	101	1744975	9.349	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1167270	9.832	ppbv	97
13) Ethanol	3.58	45	118484	9.089	ppbv	97
14) Bromoethene	3.71	108	453582	9.446	ppbv	99
15) Acetone	3.83	43	1227875	8.226	ppbv	100
16) 1,3-Butadiene	3.29	39	541897	9.439	ppbv	99
17) tert-Butyl alcohol	4.27	59	1222839	10.231	ppbv	100
18) 1,1-Dichloroethene	4.27	96	501784	9.703	ppbv	98
19) Isopropyl Alcohol	3.95	45	983417	10.177	ppbv #	99
20) Methylene Chloride	4.33	84	454049	7.731	ppbv	99
21) Allyl Chloride	4.39	41	827491	9.645	ppbv	99
22) trans-1,2-Dichloroethene	4.87	96	505625	9.612	ppbv	95
23) Vinyl Acetate	5.07	43	1651952	9.586	ppbv	98
24) 1,1-Dichloroethane	5.00	63	1247073	9.008	ppbv	98
25) Ethyl Acetate	5.67	43	2060797	8.841	ppbv	99
26) Hexane	5.68	57	905851	9.222	ppbv	96
27) Carbon Disulfide	4.53	76	1269857	10.228	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	1533597	9.348	ppbv	99
29) Chloroform	5.75	83	1549341	9.116	ppbv	97
30) Cyclohexane	7.14	84	706539	9.677	ppbv	99
31) cis-1,2-Dichloroethene	5.55	61	962083	9.612	ppbv	97
32) 1,1,1-Trichloroethane	6.52	97	1593702	9.034	ppbv	99
34) 2-Butanone	5.24	43	1348931	9.377	ppbv	99
35) Carbon Tetrachloride	7.03	117	1749976	9.586	ppbv	95
36) Benzene	6.90	78	1693675	9.652	ppbv	98
37) 1,2-Dichloroethane	6.32	62	1371671	9.626	ppbv	99
38) Trichloroethene	7.86	130	702093	9.905	ppbv	96
39) 1,2-Dichloropropane	7.63	63	691506	9.584	ppbv	96
40) 1,4-Dioxane	7.84	88	295913	10.133	ppbv #	97
41) Tetrahydrofuran	6.05	42	743298	10.073	ppbv	99
42) Bromodichloromethane	7.82	83	1714231	9.777	ppbv	96
43) Methyl Methacrylate	8.03	69	720495	10.066	ppbv	99

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Quant Time: Jan 03 05:57:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL123019AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 3
 QLast Update : Mon Dec 30 14:58:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	3097239	9.542	ppbv	99
45) t-1,3-Dichloropropene	9.31	75	973212	10.555	ppbv	97
46) cis-1,3-Dichloropropene	8.73	75	1081671	10.262	ppbv	98
47) 1,1,2-Trichloroethane	9.51	97	755814	9.502	ppbv	97
48) Dibromochloromethane	10.34	129	1445430	10.483	ppbv	99
49) Bromoform	13.09	173	1287354	10.313	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	2078440	9.953	ppbv	99
51) 2-Hexanone	10.16	43	1694511	10.052	ppbv #	100
52) Tetrachloroethene	11.27	164	649792	9.489	ppbv	94
53) Toluene	9.84	91	1986427	10.304	ppbv	99
54) 1,2-Dibromoethane	10.65	107	1202903	10.392	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.17	131	995154	10.040	ppbv	97
57) Chlorobenzene	12.19	112	1584585	9.354	ppbv	100
58) Ethyl Benzene	12.75	91	2793019	10.086	ppbv	96
59) m/p-Xylene	13.04	91	4758050m	19.649	ppbv	
60) o-Xylene	13.74	91	2436764	10.028	ppbv	98
61) Styrene	13.58	104	1689094	10.167	ppbv	100
62) Isopropylbenzene	14.72	105	3162309	9.949	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.73	83	1755985	9.009	ppbv	99
64) n-propylbenzene	15.61	120	823157	10.142	ppbv	96
65) tert-Butylbenzene	16.80	119	2943793	10.252	ppbv	100
66) Benzyl Chloride	17.05	91	1380526	10.969	ppbv	99
67) sec-Butylbenzene	17.35	105	4028162	9.989	ppbv	99
69) p-Isopropyltoluene	17.71	119	3396409	10.385	ppbv	100
70) n-Butylbenzene	18.61	91	3591289	10.176	ppbv	99
71) 2-Chlorotoluene	15.51	91	2513208	10.182	ppbv	99
72) 4-Ethyltoluene	15.89	105	2748353	10.108	ppbv	99
73) 1,3,5-Trimethylbenzene	16.05	105	2680360	10.048	ppbv	99
74) 1,2,4-Trimethylbenzene	16.82	105	2846205	9.974	ppbv	96
75) 1,3-Dichlorobenzene	17.06	146	1590229	9.304	ppbv	99
76) 1,4-Dichlorobenzene	17.20	146	1580200	9.603	ppbv	100
77) 1,2-Dichlorobenzene	17.88	146	1557369	9.695	ppbv	99
78) Hexachloro-1,3-Butadiene	23.44	225	1287360	8.443	ppbv	100
79) Naphthalene	22.28	128	2271517	10.568	ppbv	98
80) Naphthalene, 2-methyl-	25.03	142	606295	10.183	ppbv #	93
81) 1,2,4-Trichlorobenzene	22.01	180	1329792	9.502	ppbv	99

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

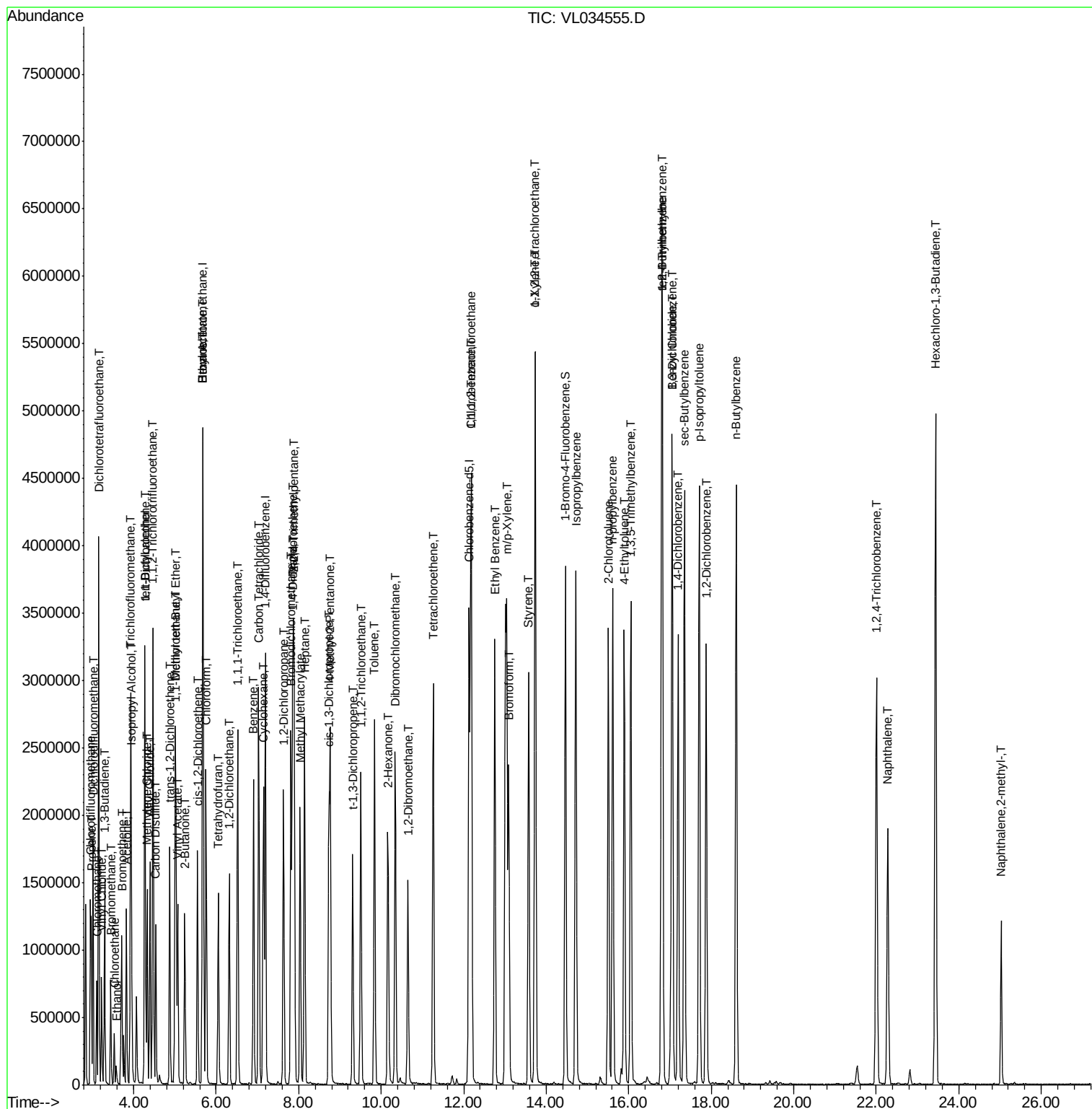
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL010220\
Data File : VL034555.D
Acq On : 2 Jan 2020 21:38
Operator : SY/AP
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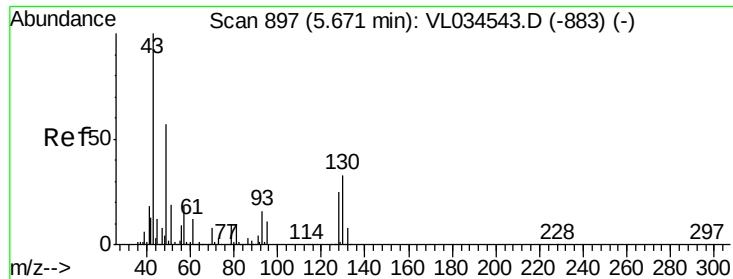
Instrument :
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VSTDCCC010EC

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec
QLast Update : Mon Dec 30 14:58:50 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.01 min

Lab File: VL034555.D

Acq: 2 Jan 2020 21:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 49 Resp: 1022794

Ion Ratio Lower Upper

49 100

128 44.2 22.4 67.2

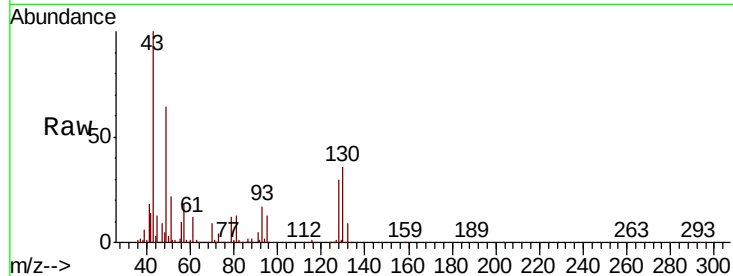
130 56.4 28.3 85.0

Manual Integrations

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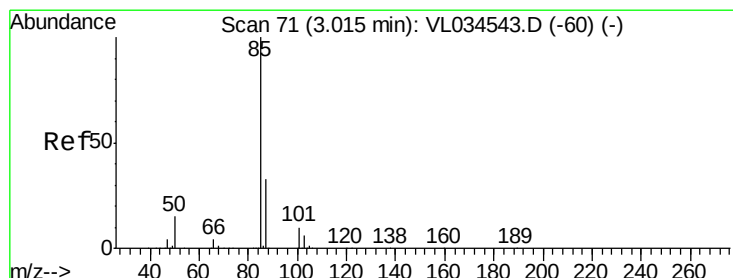
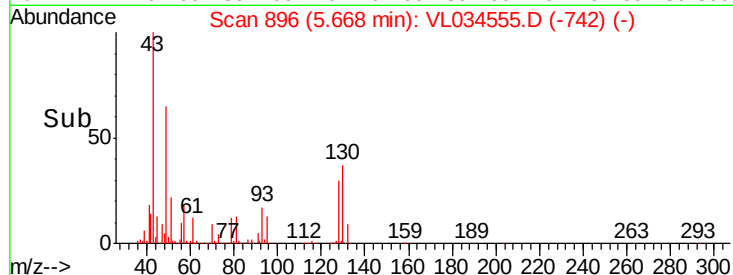
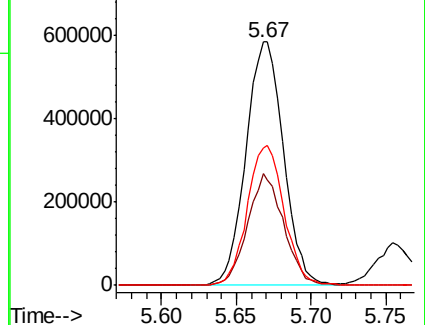
1/3/2020 11:37:58 AM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 7.584 ppbv

RT: 3.02 min Scan# 71

Delta R.T. 0.00 min

Lab File: VL034555.D

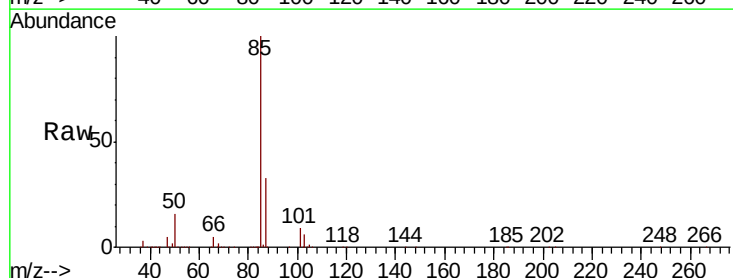
Acq: 2 Jan 2020 21:38

Tgt Ion: 85 Resp: 1223273

Ion Ratio Lower Upper

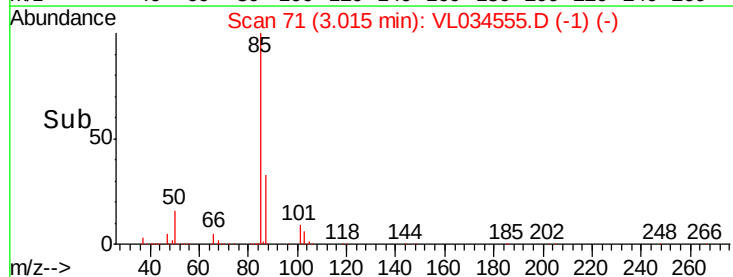
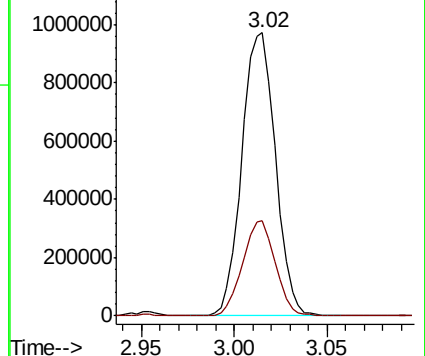
85 100

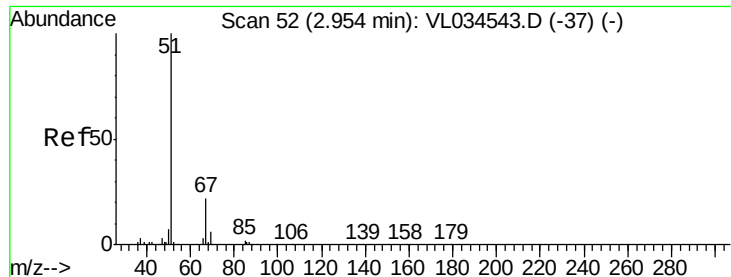
87 33.5 27.9 41.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.309 ppbv

RT: 2.95 min Scan# 51

Delta R.T. -0.00 min

Lab File: VL034555.D

Acq: 2 Jan 2020 21:38

Tot Ion: 51 Resp: 1134415

Ion Ratio Lower Upper

51 100

67 21.5 16.8 25.2

Instrument :

MSVOA_L

ClientSampleId :

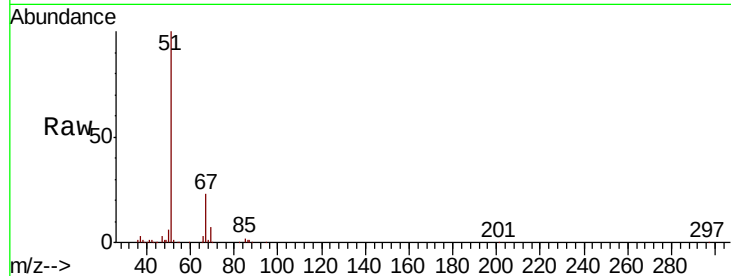
VSTDCCC010EC

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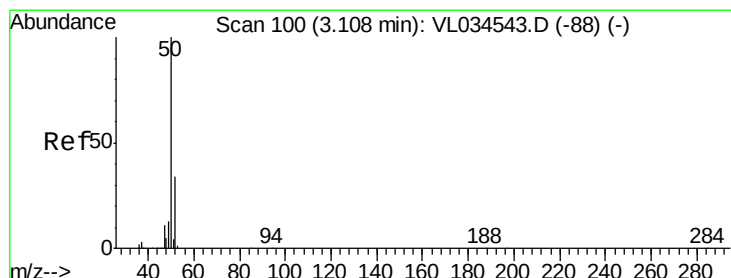
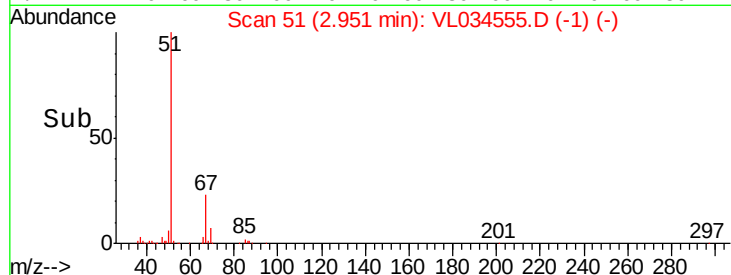
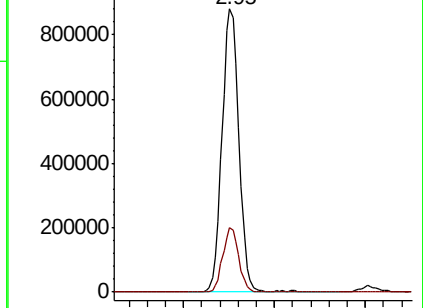
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 8.350 ppbv

RT: 3.11 min Scan# 99

Delta R.T. -0.00 min

Lab File: VL034555.D

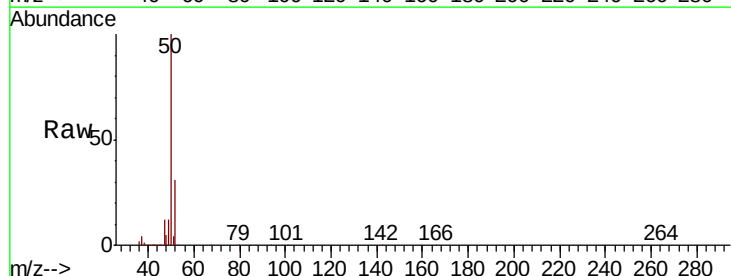
Acq: 2 Jan 2020 21:38

Tgt Ion: 50 Resp: 604386

Ion Ratio Lower Upper

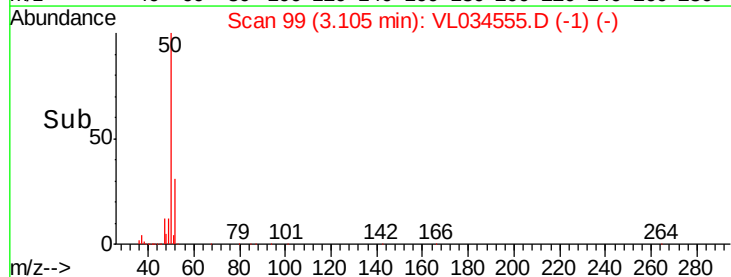
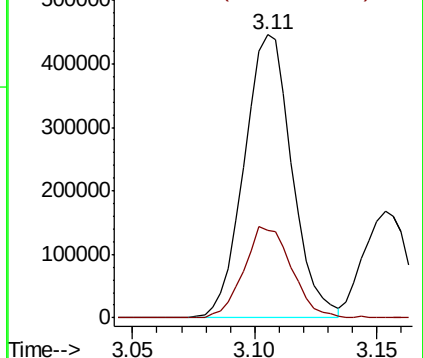
50 100

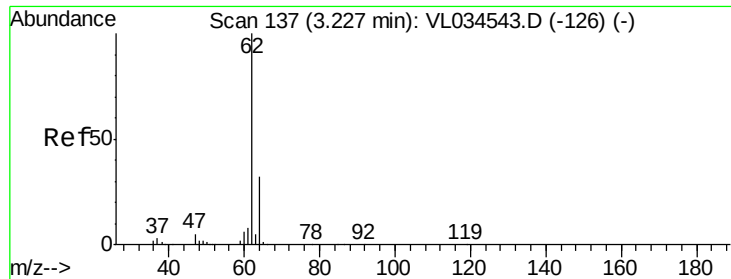
52 31.0 27.6 41.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.483 ppbv

RT: 3.22 min Scan# 136

Delta R.T. -0.00 min

Lab File: VL034555.D

Acq: 2 Jan 2020 21:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 601283

Ion Ratio Lower Upper

62 100

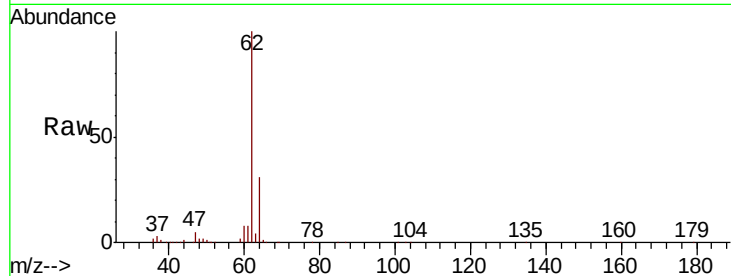
64 31.3 24.9 37.3

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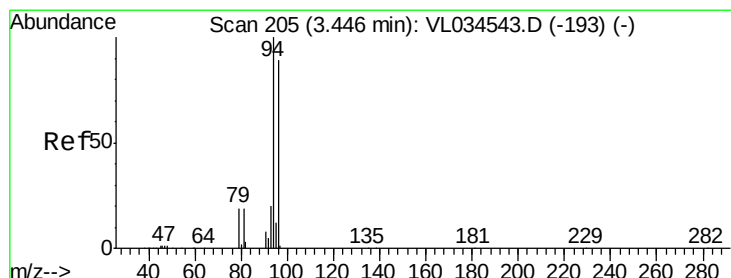
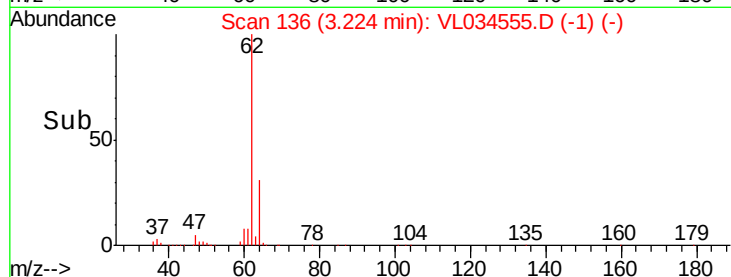
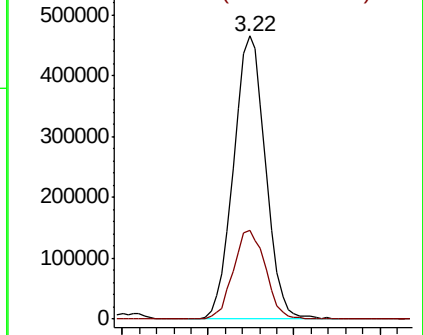
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.939 ppbv

RT: 3.44 min Scan# 204

Delta R.T. -0.00 min

Lab File: VL034555.D

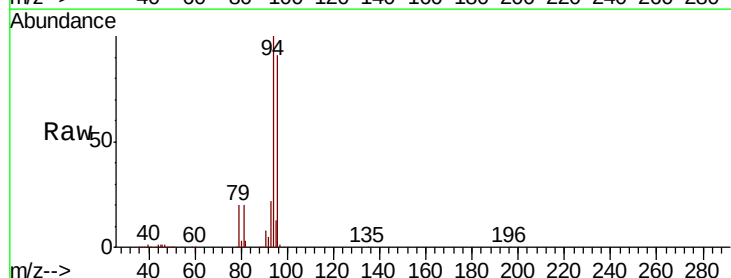
Acq: 2 Jan 2020 21:38

Tgt Ion: 94 Resp: 350691

Ion Ratio Lower Upper

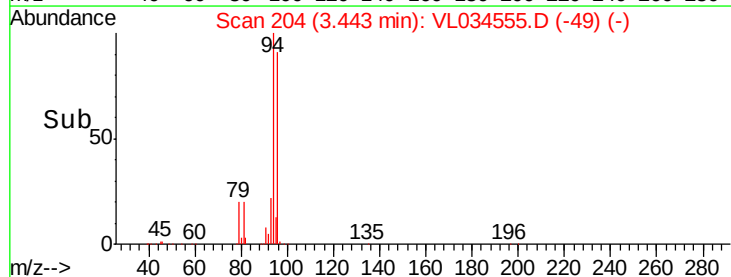
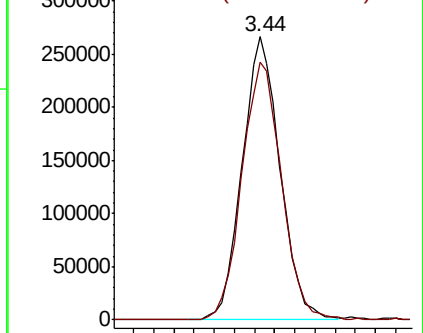
94 100

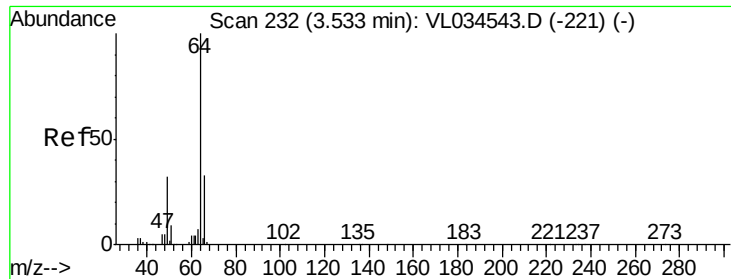
96 91.3 71.2 106.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.086 ppbv

RT: 3.53 min Scan# 231

Delta R.T. -0.00 min

Lab File: VL034555.D

Acq: 2 Jan 2020 21:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 224426

Ion Ratio Lower Upper

64 100

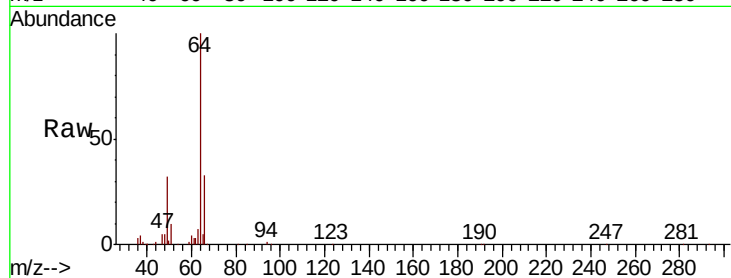
66 32.9 25.0 37.4

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

200000

150000

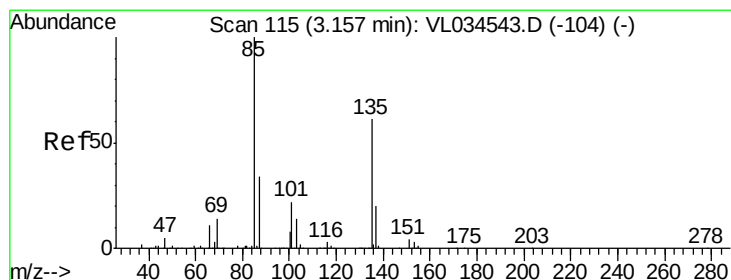
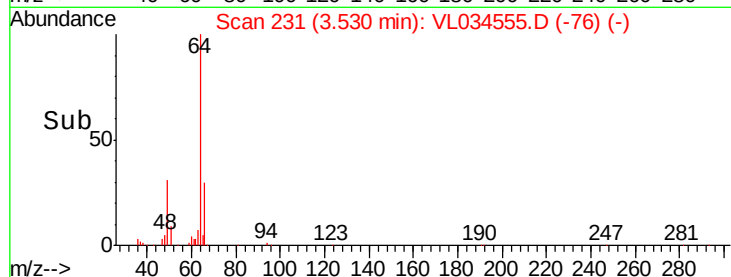
100000

50000

0

3.50 3.55

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.006 ppbv

RT: 3.15 min Scan# 114

Delta R.T. -0.00 min

Lab File: VL034555.D

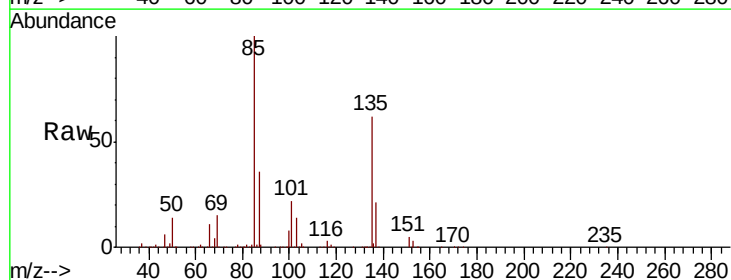
Acq: 2 Jan 2020 21:38

Tgt Ion: 85 Resp: 1456903

Ion Ratio Lower Upper

85 100

135 62.9 51.8 77.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

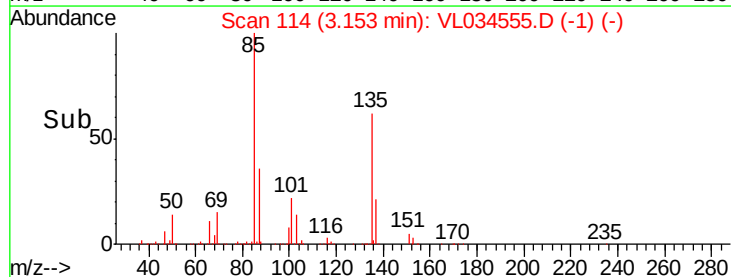
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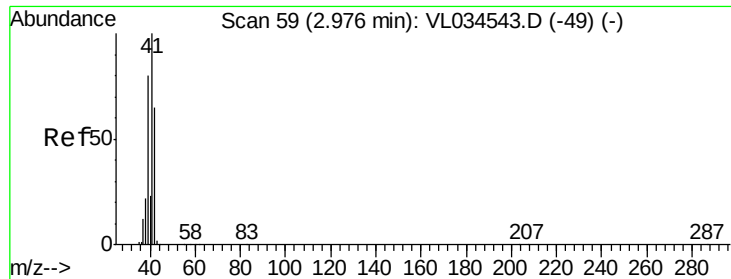
500000

0

3.10 3.15 3.20

Time-->





#9

Propene

Concen: 8.858 ppbv

RT: 2.97 min Scan# 58

Delta R.T. -0.00 min

Lab File: VL034555.D

Acq: 2 Jan 2020 21:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 41 Resp: 416195

Ion Ratio Lower Upper

41 100

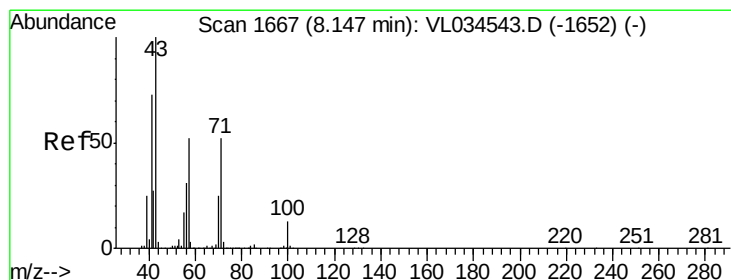
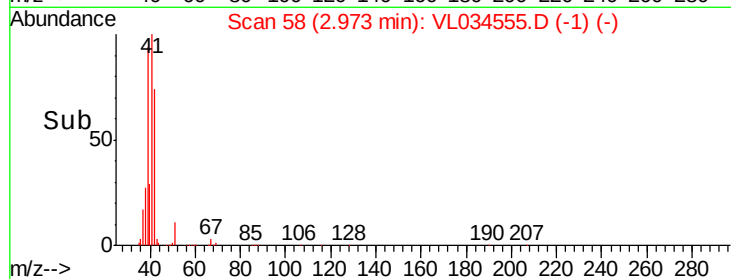
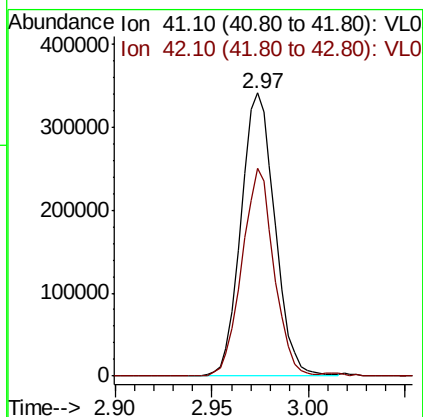
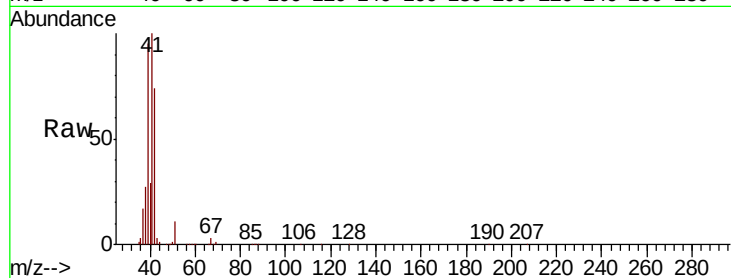
42 70.6 55.8 83.6

Manual Integrations

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#10

Heptane

Concen: 9.590 ppbv

RT: 8.14 min Scan# 1665

Delta R.T. -0.01 min

Lab File: VL034555.D

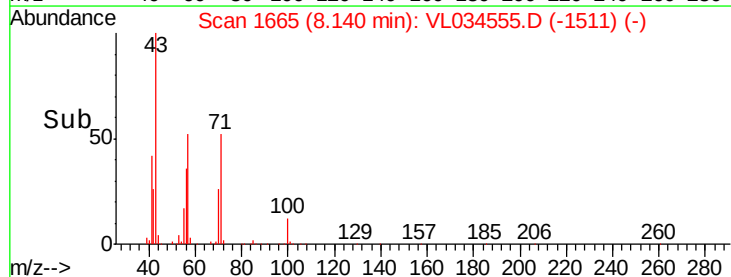
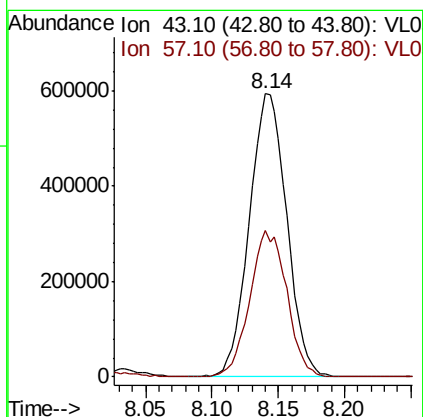
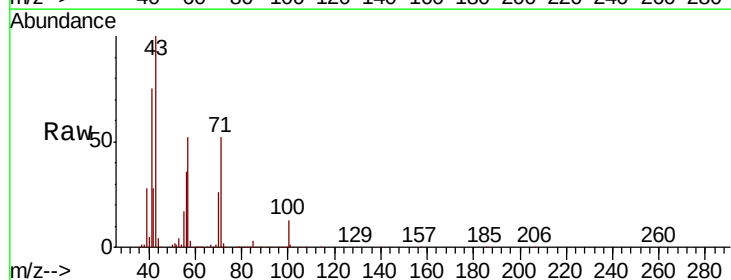
Acq: 2 Jan 2020 21:38

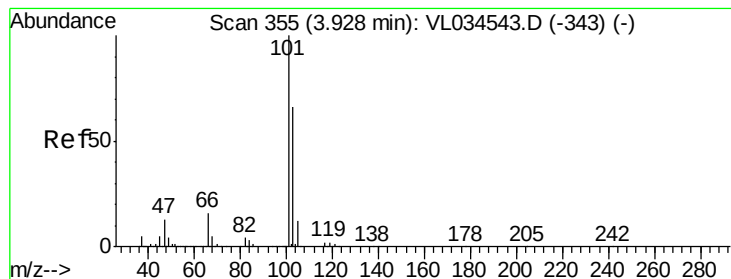
Tgt Ion: 43 Resp: 1163537

Ion Ratio Lower Upper

43 100

57 51.0 41.0 61.6





#11

Trichlorofluoromethane

Concen: 9.349 ppbv

RT: 3.93 min Scan# 354

Delta R.T. -0.00 min

Lab File: VL034555.D

Acq: 2 Jan 2020 21:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:101 Resp: 1744975

Ion Ratio Lower Upper

101 100

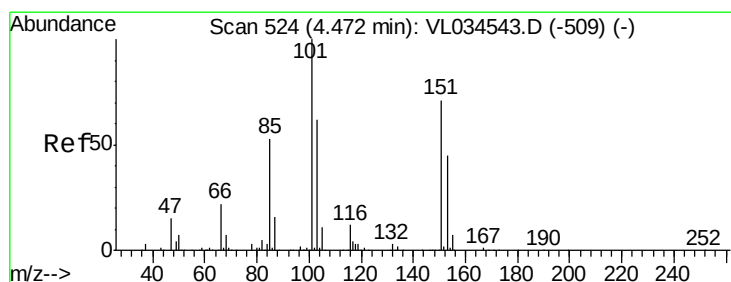
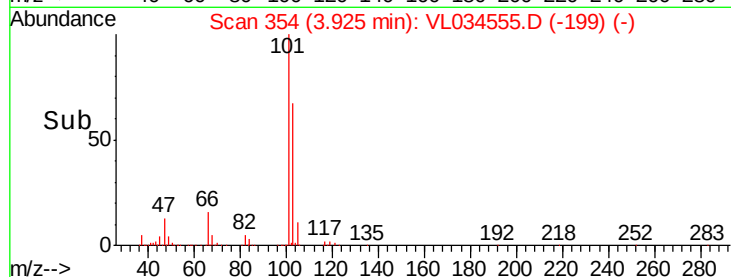
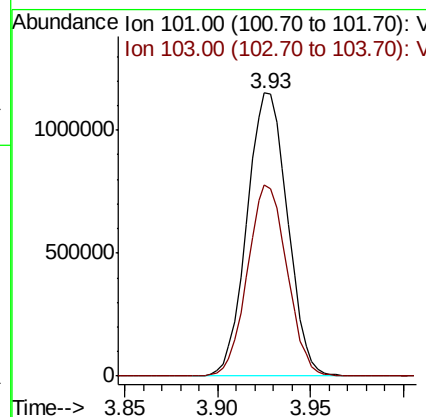
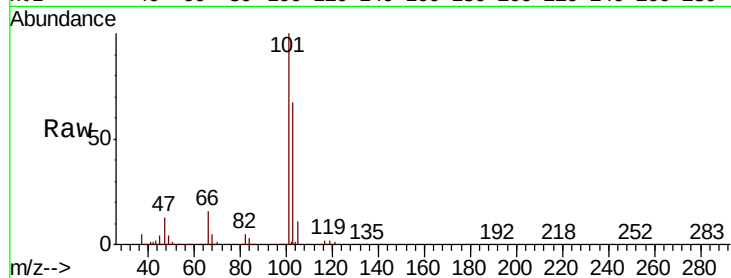
103 67.4 52.1 78.1

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#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.832 ppbv

RT: 4.47 min Scan# 523

Delta R.T. -0.01 min

Lab File: VL034555.D

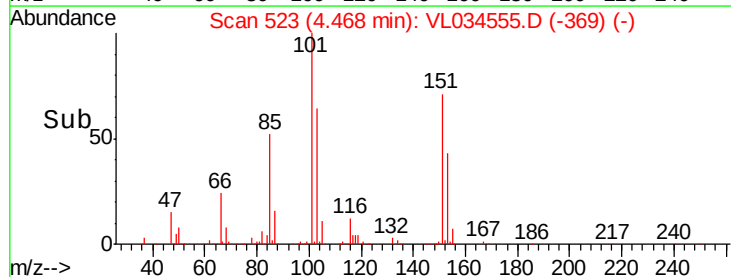
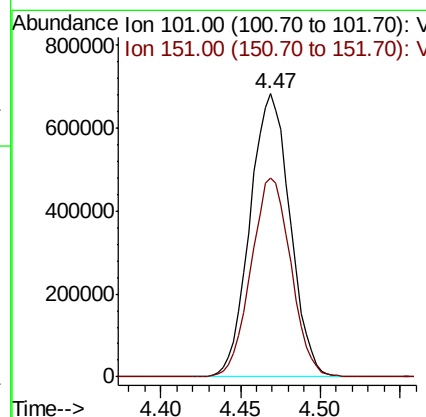
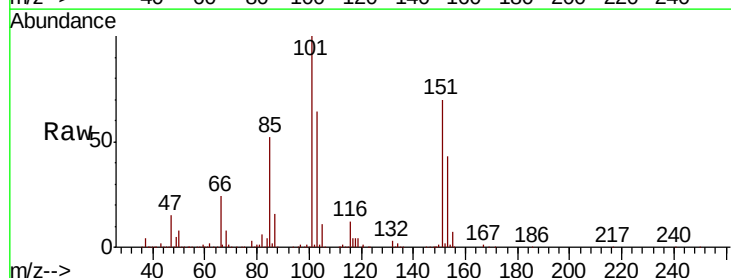
Acq: 2 Jan 2020 21:38

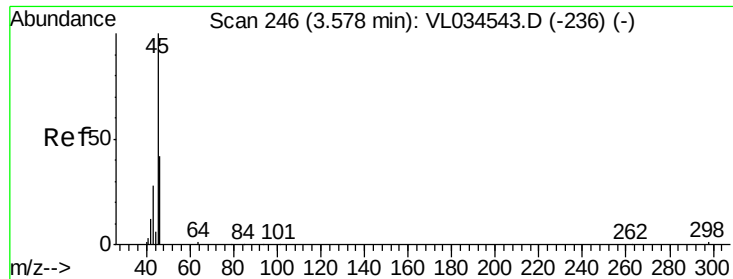
Tgt Ion:101 Resp: 1167270

Ion Ratio Lower Upper

101 100

151 70.1 57.8 86.6





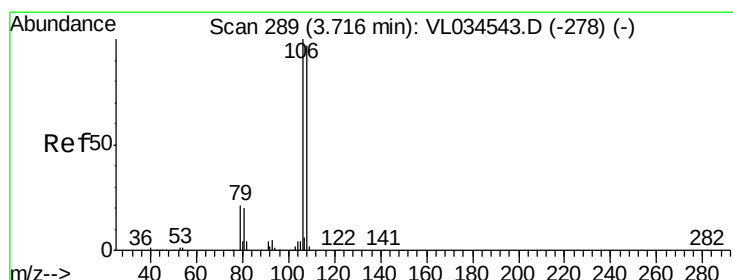
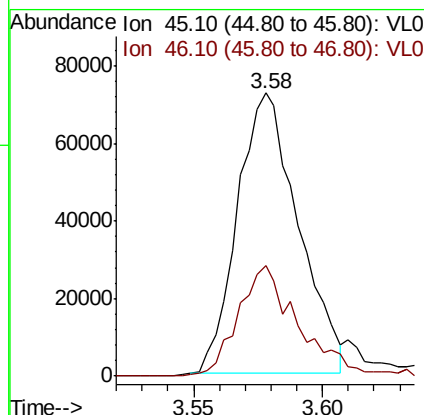
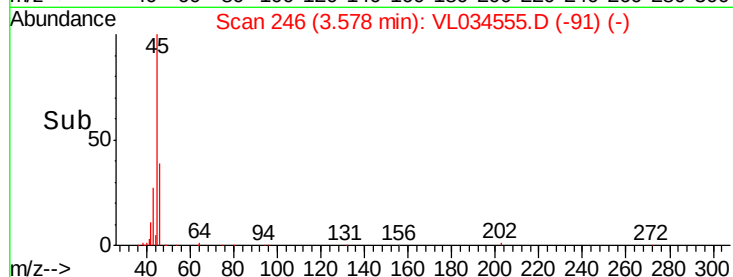
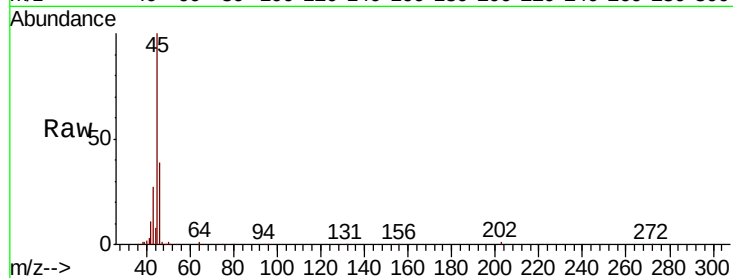
#13
Ethanol
Concen: 9.089 ppbv
RT: 3.58 min Scan# 246
Delta R.T. -0.00 min
Lab File: VL034555.D
Acq: 2 Jan 2020 21:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 45 Resp: 118484
Ion Ratio Lower Upper
45 100
46 39.3 14.9 59.7

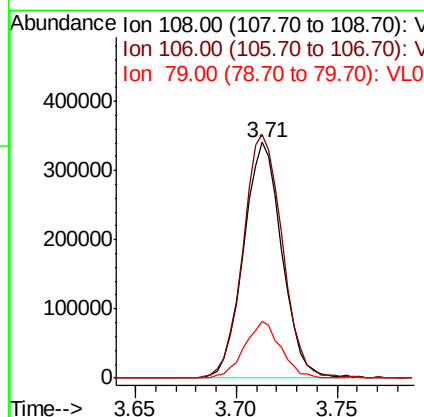
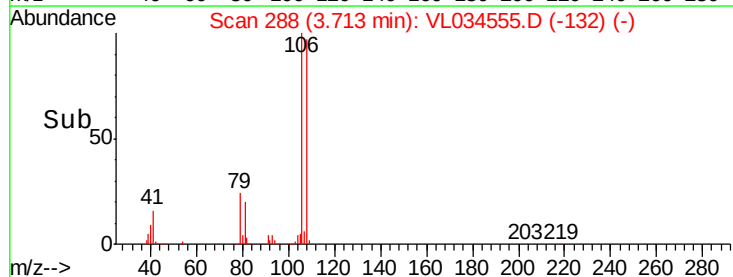
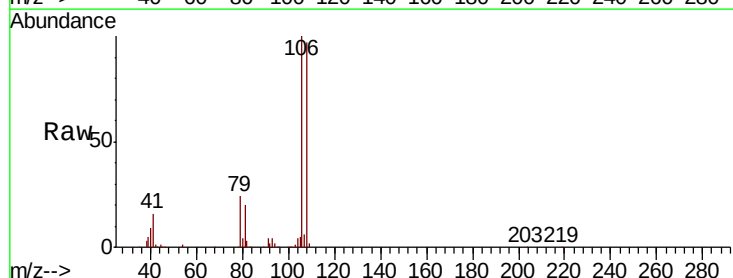
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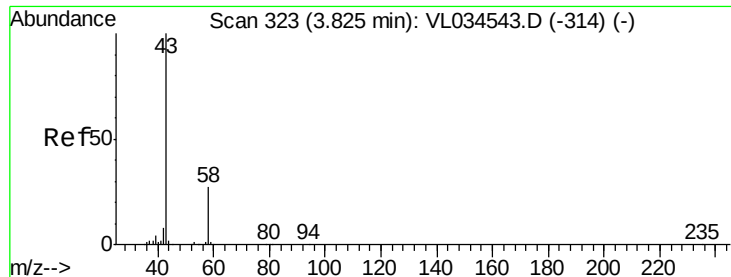
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#14
Bromoethene
Concen: 9.446 ppbv
RT: 3.71 min Scan# 288
Delta R.T. 0.00 min
Lab File: VL034555.D
Acq: 2 Jan 2020 21:38

Tgt Ion: 108 Resp: 453582
Ion Ratio Lower Upper
108 100
106 106.7 85.2 127.8
79 23.1 17.4 26.2





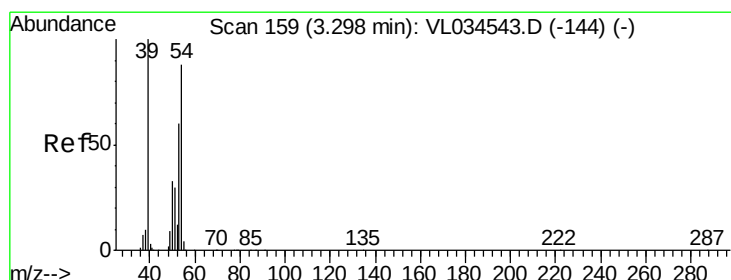
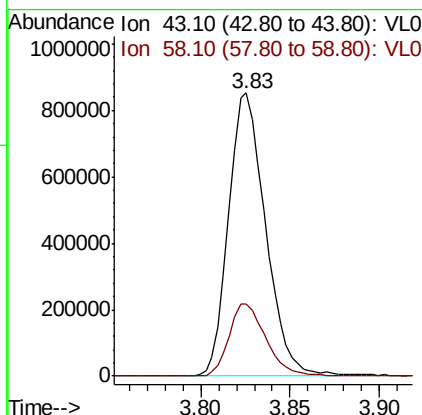
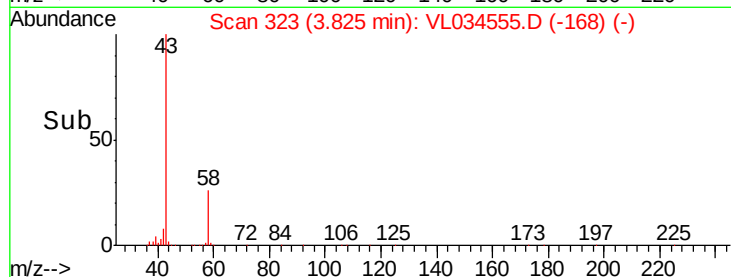
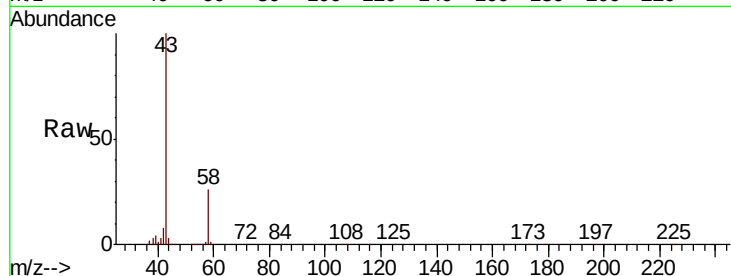
#15
Acetone
Concen: 8.226 ppbv
RT: 3.83 min Scan# 323
Delta R.T. -0.00 min
Lab File: VL034555.D
Acq: 2 Jan 2020 21:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 1227875
Ion Ratio Lower Upper
43 100
58 25.7 20.4 30.6

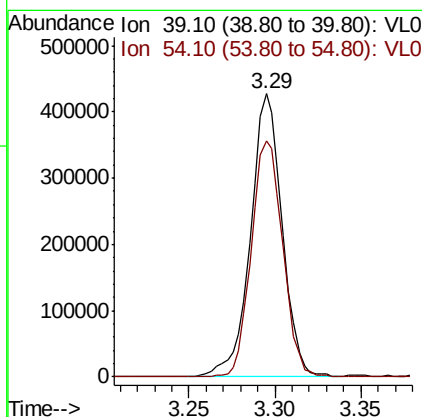
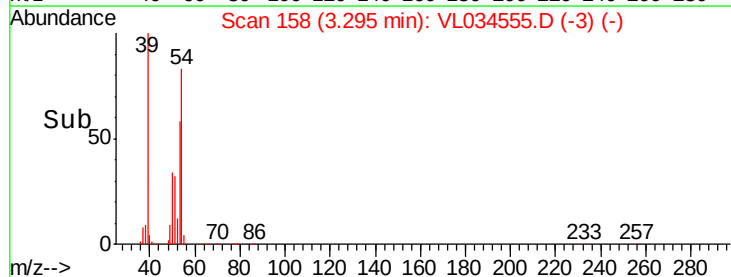
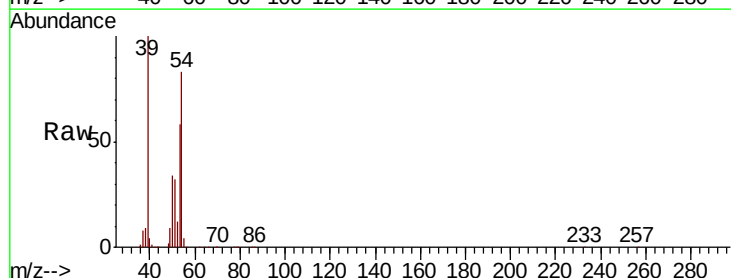
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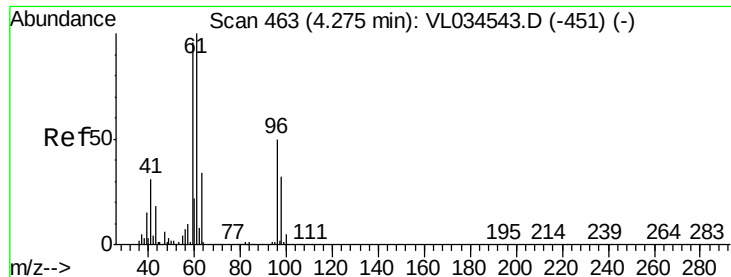
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#16
1,3-Butadiene
Concen: 9.439 ppbv
RT: 3.29 min Scan# 158
Delta R.T. -0.00 min
Lab File: VL034555.D
Acq: 2 Jan 2020 21:38

Tgt Ion: 39 Resp: 541897
Ion Ratio Lower Upper
39 100
54 83.6 66.2 99.2





#17

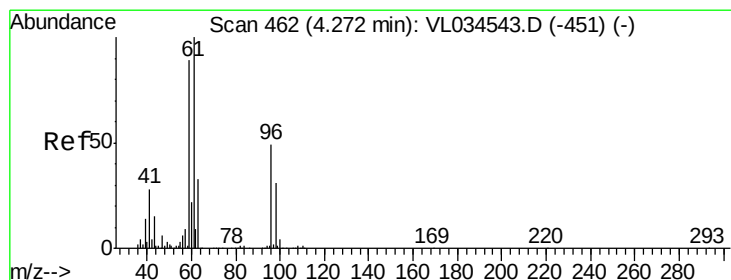
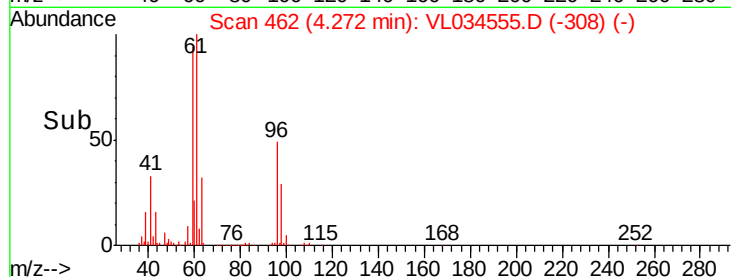
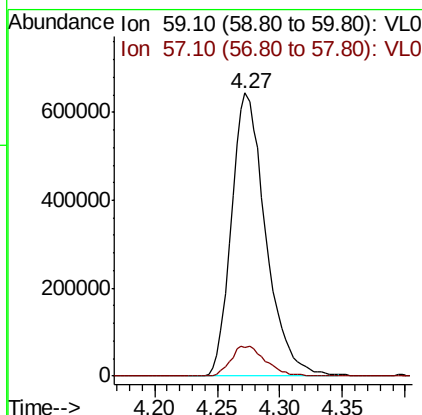
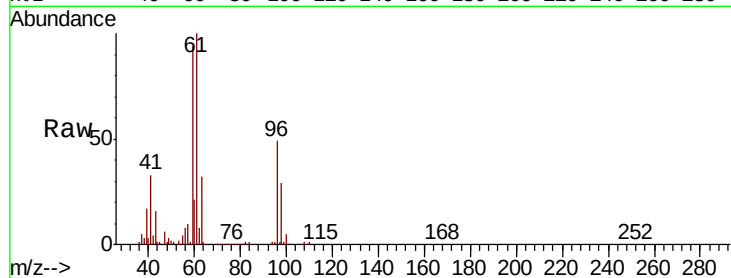
tert-Butyl alcohol
Concen: 10.231 ppbv
RT: 4.27 min Scan# 462
Delta R.T. -0.01 min
Lab File: VL034555.D
Acq: 2 Jan 2020 21:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 59 Resp: 1222839
Ion Ratio Lower Upper
59 100
57 10.8 8.6 12.8

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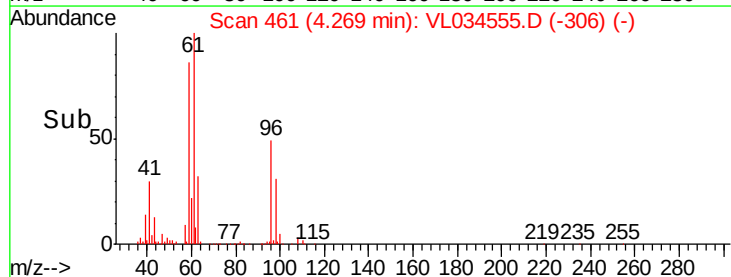
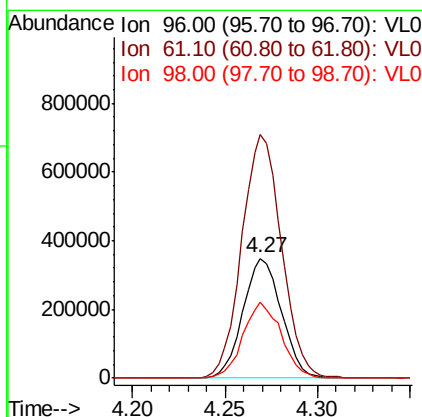
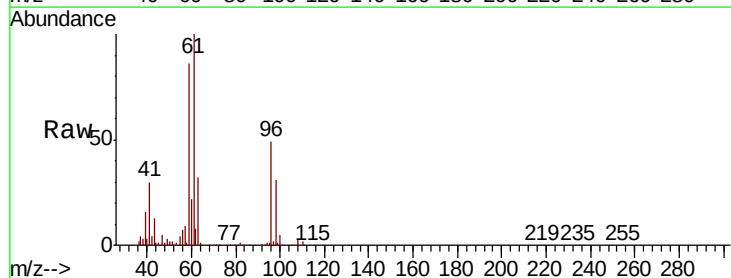
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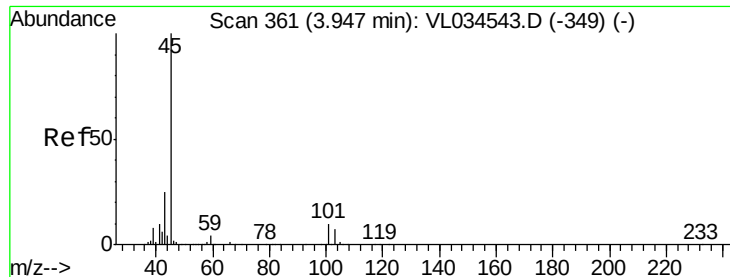


#18

1,1-Dichloroethene
Concen: 9.703 ppbv
RT: 4.27 min Scan# 461
Delta R.T. -0.00 min
Lab File: VL034555.D
Acq: 2 Jan 2020 21:38

Tgt Ion: 96 Resp: 501784
Ion Ratio Lower Upper
96 100
61 203.5 165.9 248.9
98 63.0 51.9 77.9





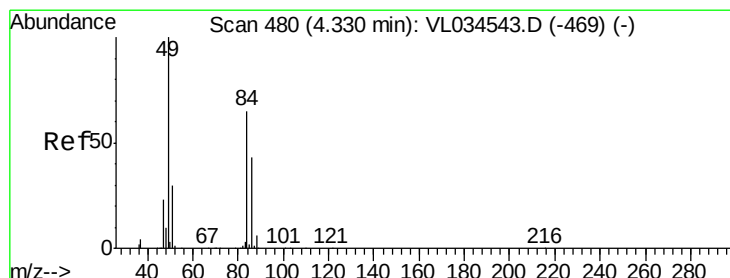
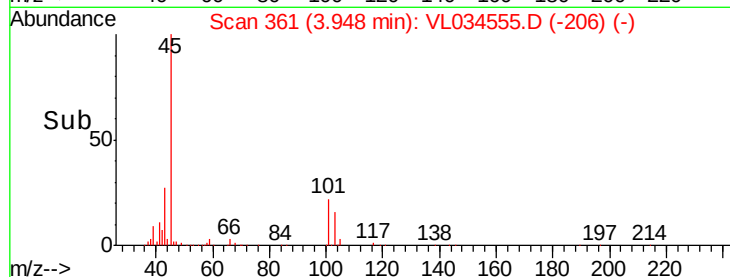
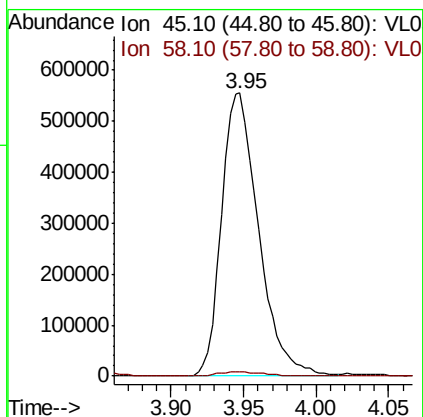
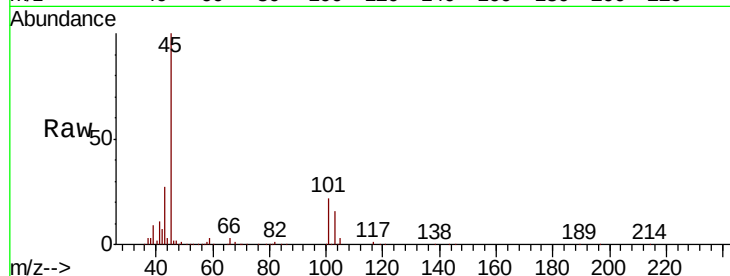
#19
Isopropyl Alcohol
Concen: 10.177 ppbv
RT: 3.95 min Scan# 361
Delta R.T. -0.00 min
Lab File: VL034555.D
Acq: 2 Jan 2020 21:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 45 Resp: 983417
Ion Ratio Lower Upper
45 100
58 2.2 1.4 2.0#

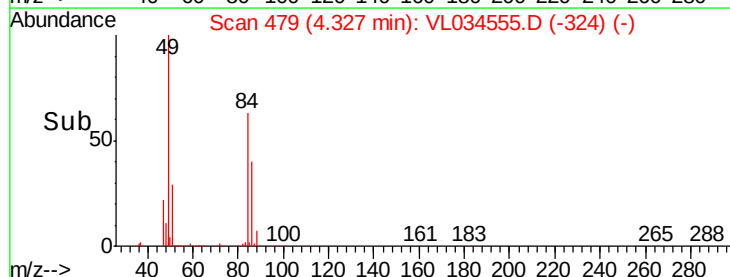
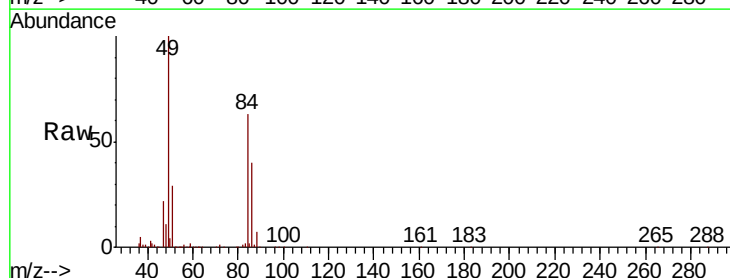
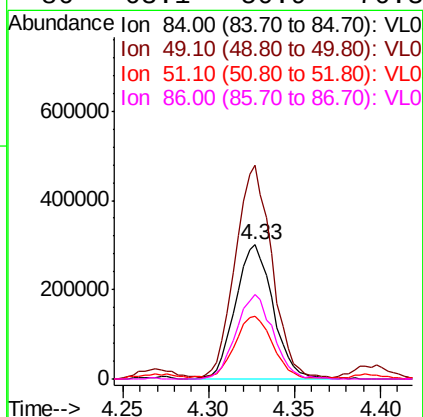
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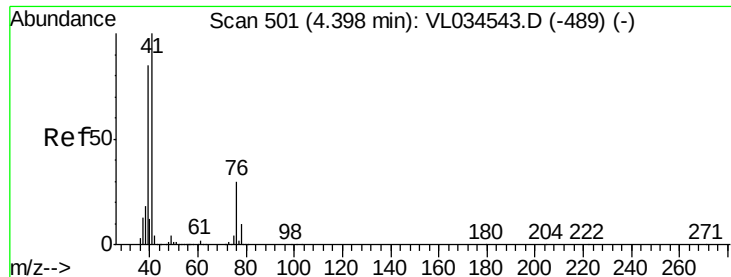
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#20
Methylene Chloride
Concen: 7.731 ppbv
RT: 4.33 min Scan# 479
Delta R.T. -0.00 min
Lab File: VL034555.D
Acq: 2 Jan 2020 21:38

Tgt Ion: 84 Resp: 454049
Ion Ratio Lower Upper
84 100
49 157.6 124.4 186.6
51 46.0 37.0 55.6
86 63.1 50.9 76.3





#21

Allvl Chloride

Concen: 9.645 ppbv

RT: 4.39 min Scan# 500

Delta R.T. -0.00 min

Lab File: VL034555.D

Acq: 2 Jan 2020 21:38

Instrument :

MSVOA_L

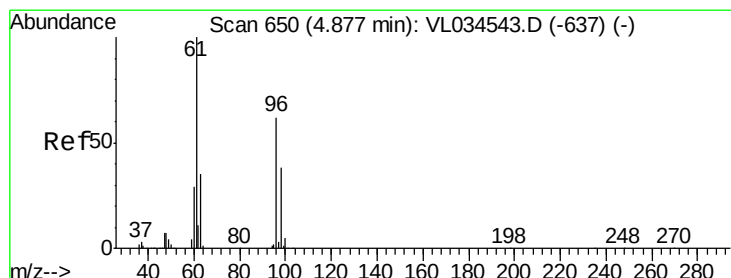
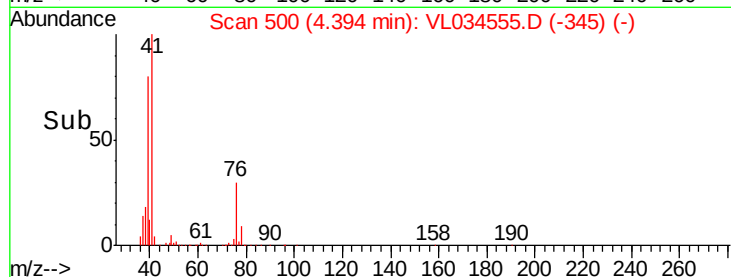
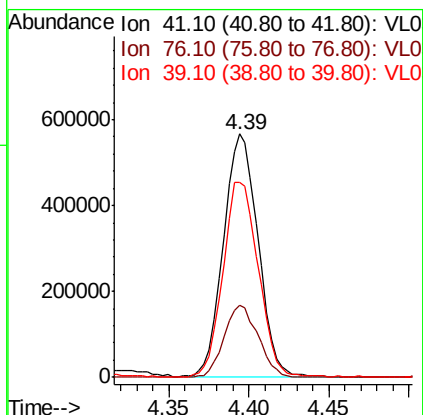
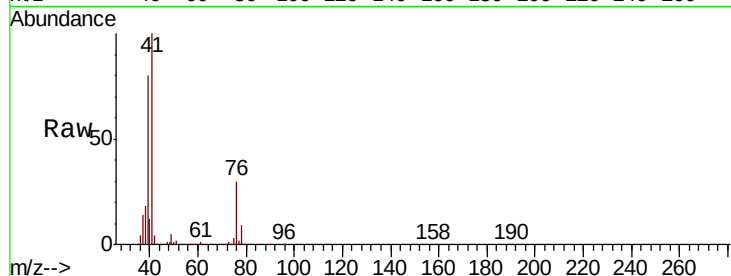
ClientSampleId :

VSTDCCC010EC

Tot Ion:	41	Resp:	827491
Ion Ratio	Lower	Upper	
41	100		
76	29.7	24.2	36.4
39	83.2	65.8	98.6

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#22

trans-1,2-Dichloroethene

Concen: 9.612 ppbv

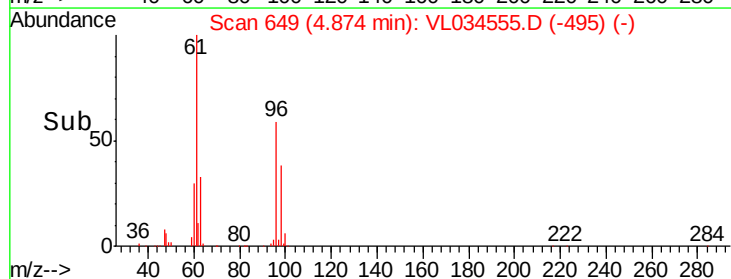
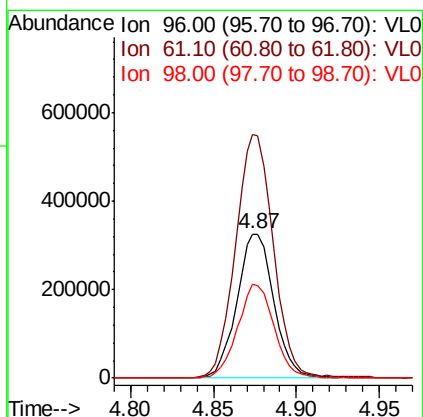
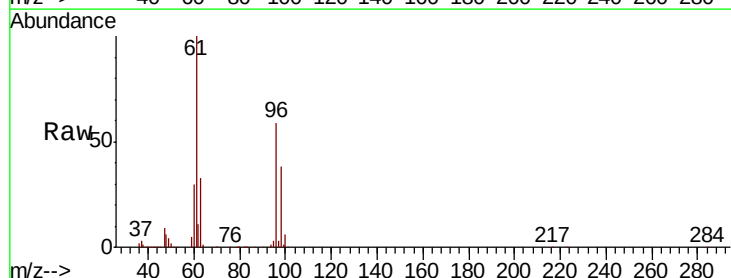
RT: 4.87 min Scan# 649

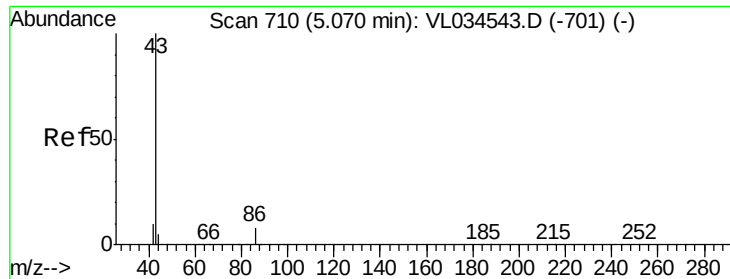
Delta R.T. -0.01 min

Lab File: VL034555.D

Acq: 2 Jan 2020 21:38

Tgt Ion:	96	Resp:	505625
Ion Ratio	Lower	Upper	
96	100		
61	168.9	128.4	192.6
98	64.8	50.6	75.8





#23

Vinyl Acetate

Concen: 9.586 ppbv

RT: 5.07 min Scan# 709

Delta R.T. -0.00 min

Lab File: VL034555.D

Acq: 2 Jan 2020 21:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1651952

Ion Ratio Lower Upper

43 100

86 7.2 5.4 8.2

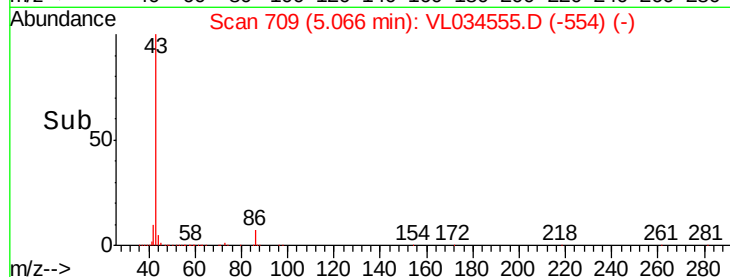
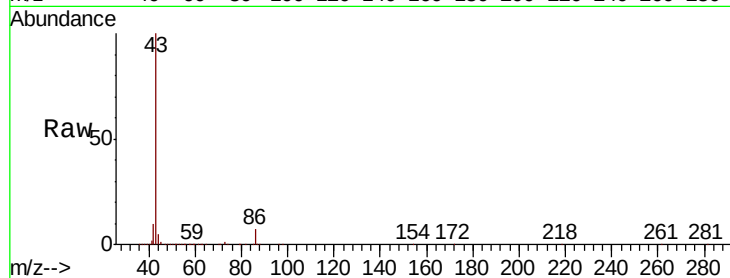
42 10.3 8.9 13.3

44 5.2 5.0 7.4

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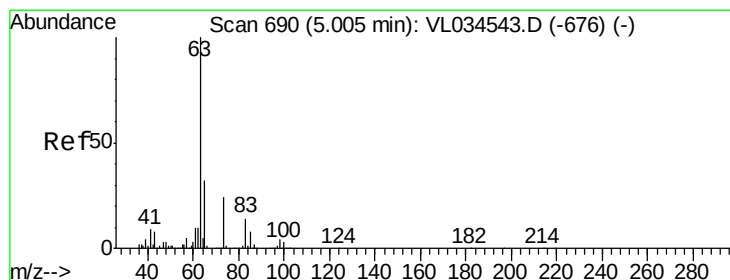
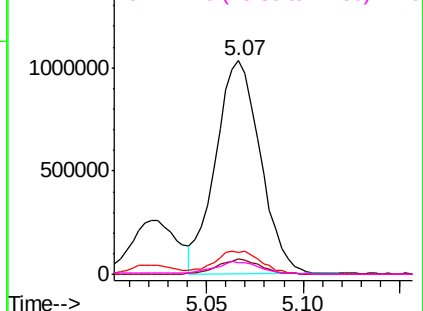


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.008 ppbv

RT: 5.00 min Scan# 689

Delta R.T. -0.01 min

Lab File: VL034555.D

Acq: 2 Jan 2020 21:38

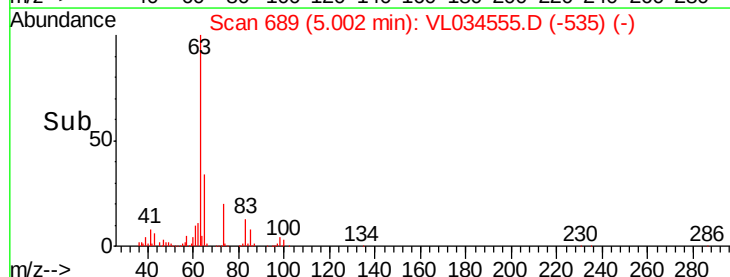
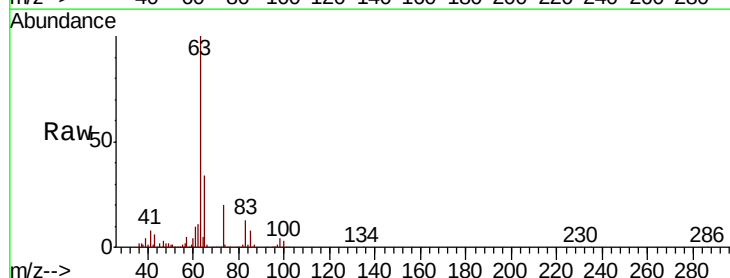
Tgt Ion: 63 Resp: 1247073

Ion Ratio Lower Upper

63 100

98 3.5 2.1 6.3

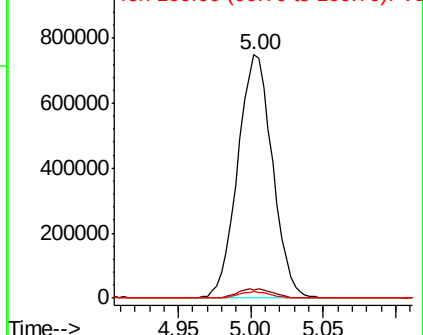
100 2.7 1.1 3.3

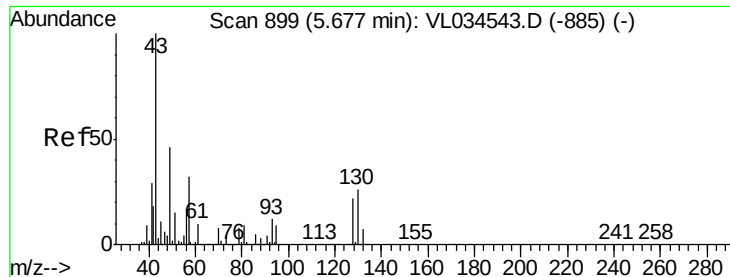


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





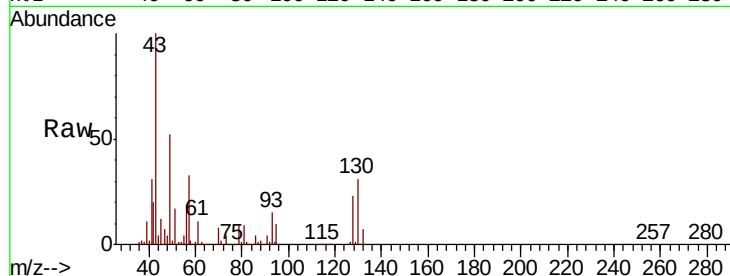
#25
Ethyl Acetate
Concen: 8.841 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.01 min
Lab File: VL034555.D
Acq: 2 Jan 2020 21:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.3	12.5
61	9.8	7.8	11.6
70	7.1	5.8	8.8

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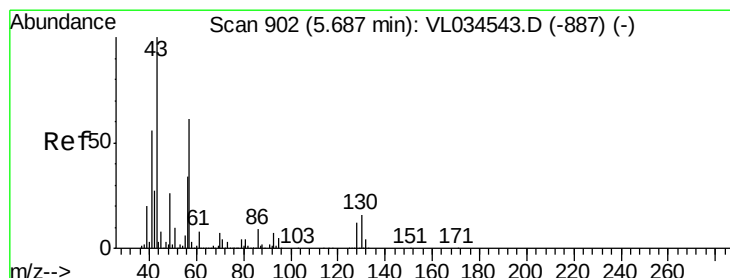
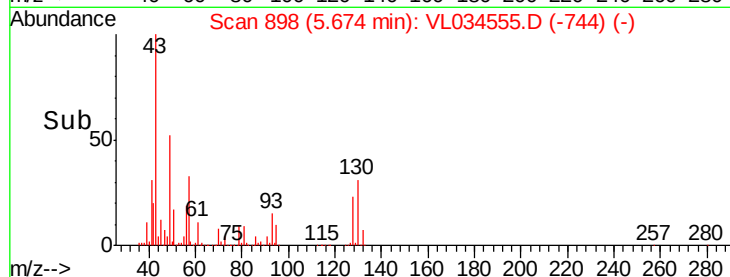
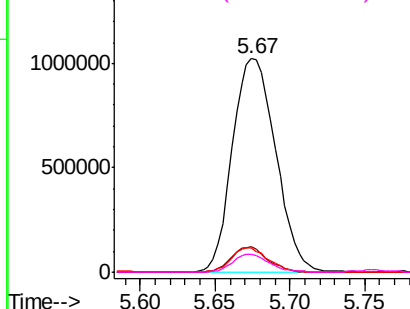
Abundance

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: 9.222 ppbv
RT: 5.68 min Scan# 901
Delta R.T. -0.01 min
Lab File: VL034555.D
Acq: 2 Jan 2020 21:38

Tgt Ion	Ratio	Lower	Upper
57	100		
41	96.5	75.3	112.9
43	228.1	189.4	284.2
56	54.2	42.8	64.2

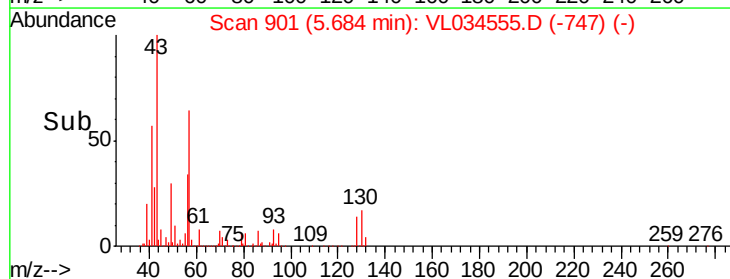
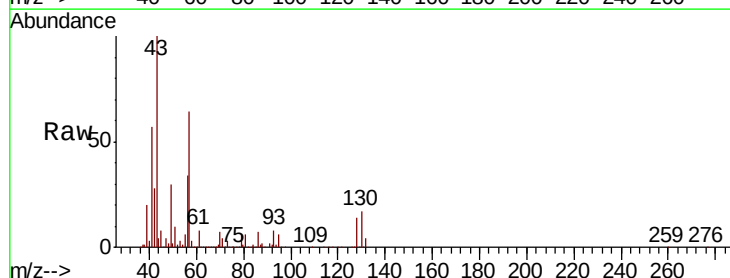
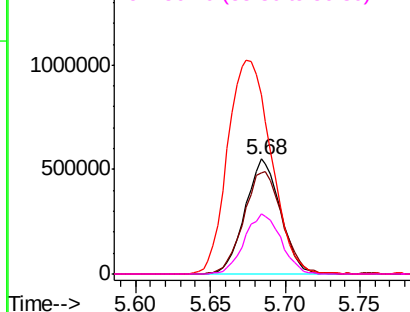
Abundance

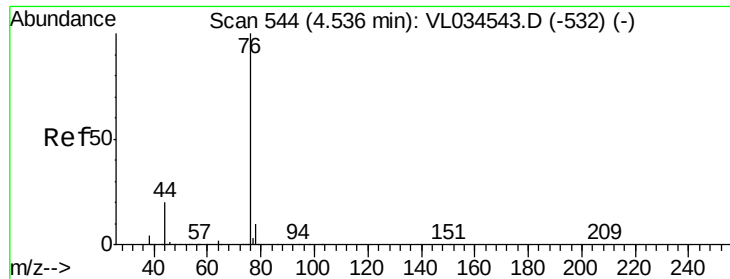
Ion 57.10 (56.80 to 57.80): VL0

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: 10.228 ppbv

RT: 4.53 min Scan# 543

Delta R.T. -0.01 min

Lab File: VL034555.D

Acq: 2 Jan 2020 21:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 76 Resp: 1269857

Ion Ratio Lower Upper

76 100

44 20.5 16.6 25.0

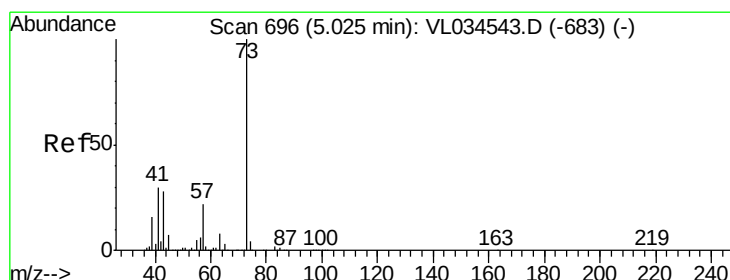
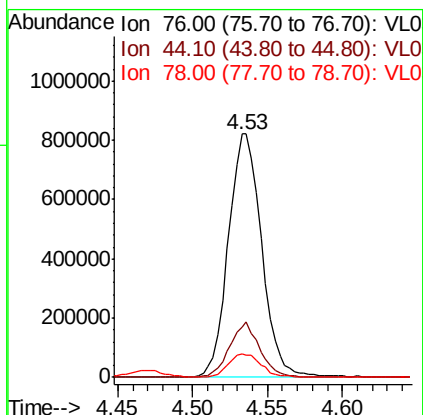
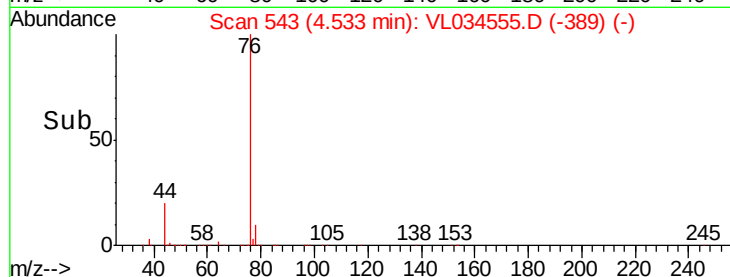
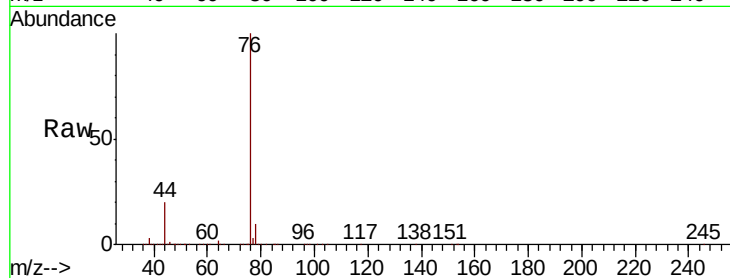
78 9.5 7.4 11.0

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#28

Methyl tert-Butyl Ether

Concen: 9.348 ppbv

RT: 5.02 min Scan# 695

Delta R.T. -0.01 min

Lab File: VL034555.D

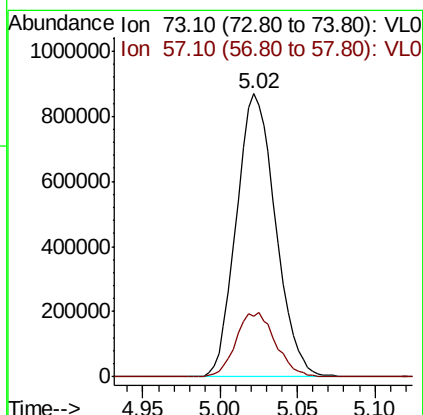
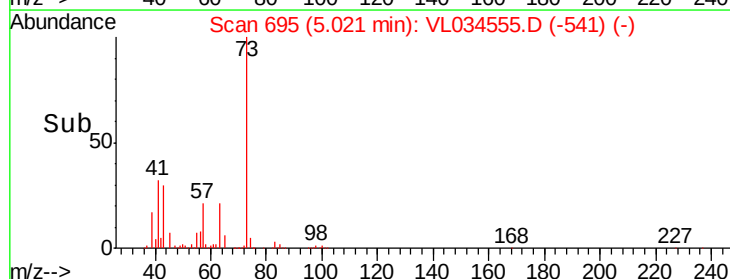
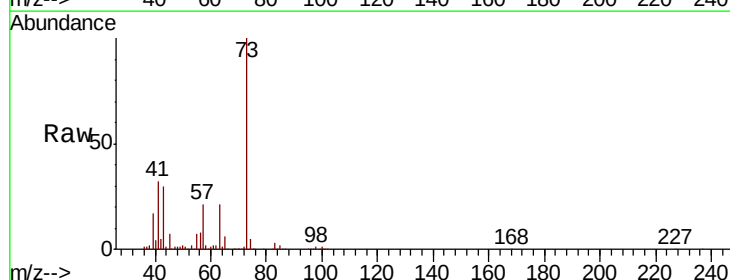
Acq: 2 Jan 2020 21:38

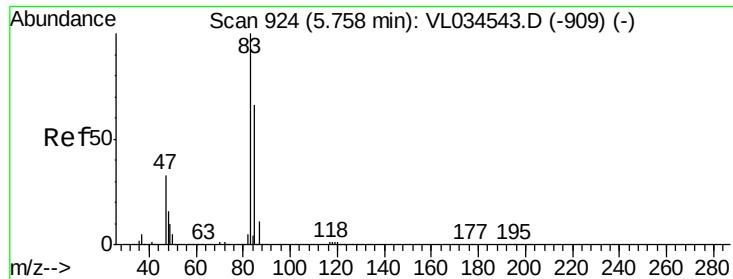
Tgt Ion: 73 Resp: 1533597

Ion Ratio Lower Upper

73 100

57 23.1 18.2 27.2





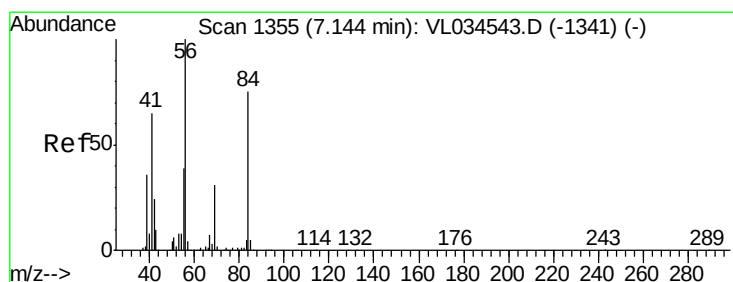
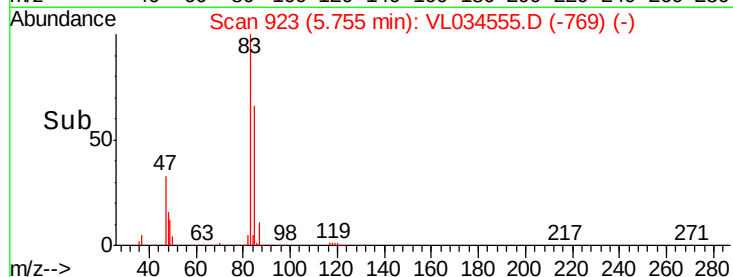
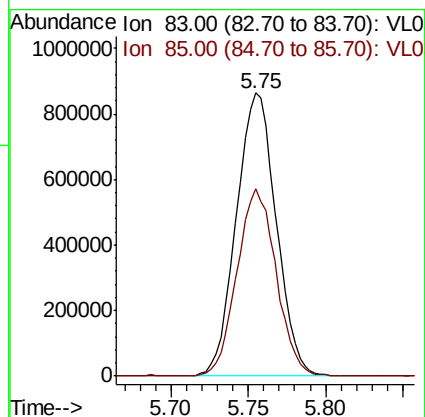
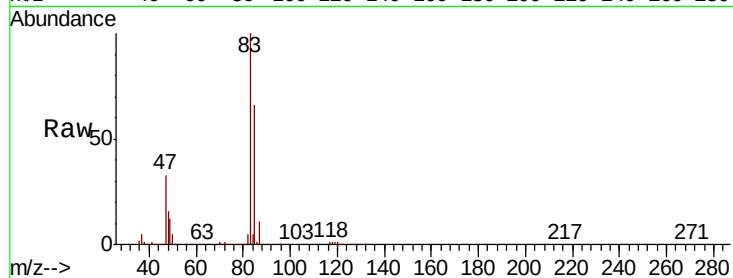
#29
Chloroform
Concen: 9.116 ppbv
RT: 5.75 min Scan# 923
Delta R.T. -0.01 min
Lab File: VL034555.D
Acq: 2 Jan 2020 21:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 1549341
Ion Ratio Lower Upper
83 100
85 65.9 51.0 76.6

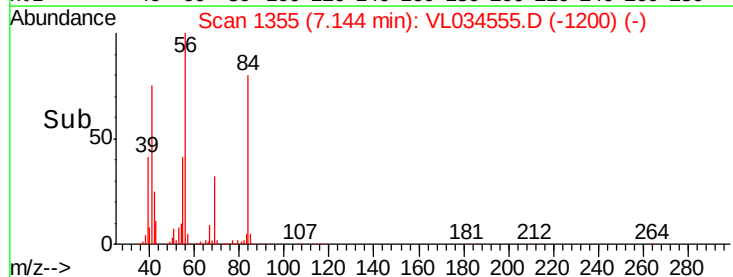
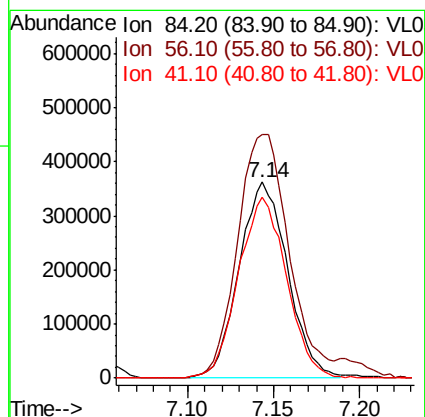
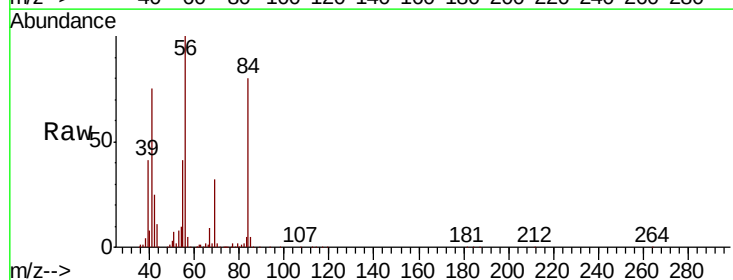
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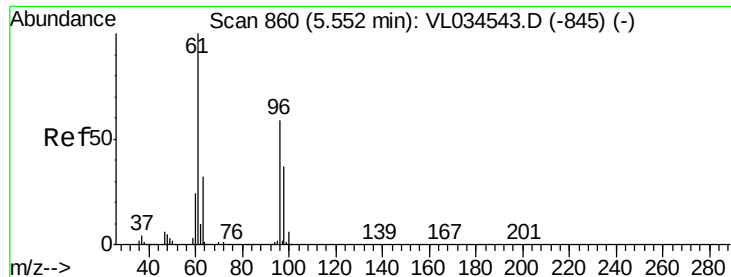
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#30
Cyclohexane
Concen: 9.677 ppbv
RT: 7.14 min Scan# 1355
Delta R.T. -0.00 min
Lab File: VL034555.D
Acq: 2 Jan 2020 21:38

Tgt Ion: 84 Resp: 706539
Ion Ratio Lower Upper
84 100
56 139.7 112.7 169.1
41 92.5 73.0 109.4





#31

cis-1,2-Dichloroethene

Concen: 9.612 ppbv

RT: 5.55 min Scan# 859

Delta R.T. -0.00 min

Lab File: VL034555.D

Acq: 2 Jan 2020 21:38

Instrument :

MSVOA_L

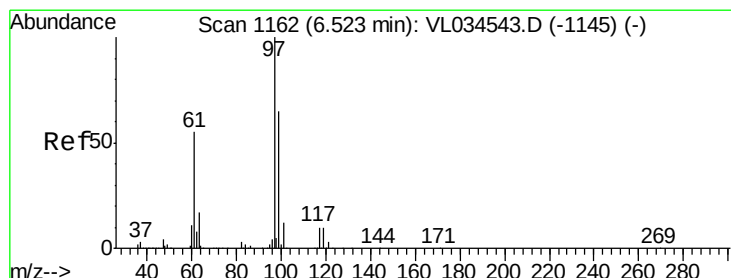
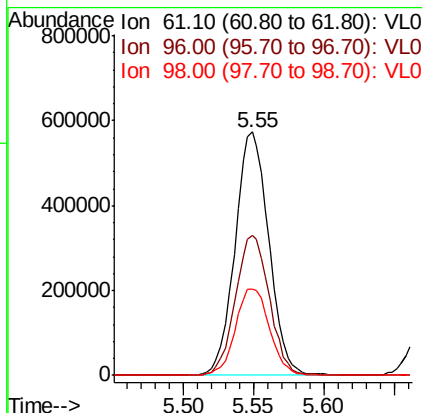
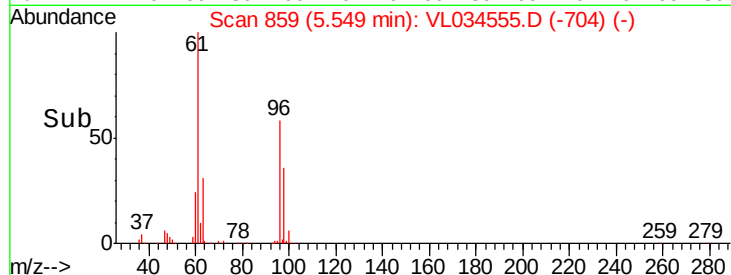
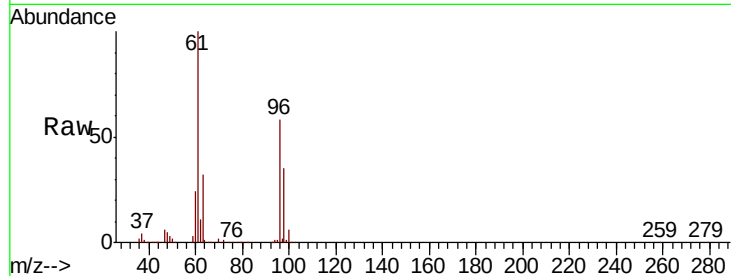
ClientSampleId :

VSTDCCC010EC

Tot Ion:	61	Resp:	962083
Ion Ratio	Lower	Upper	
61	100		
96	57.6	47.1	70.7
98	35.5	31.0	46.6

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#32

1,1,1-Trichloroethane

Concen: 9.034 ppbv

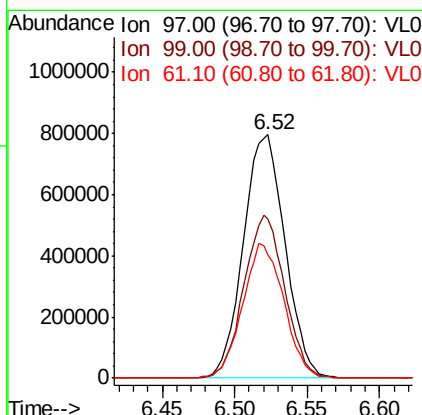
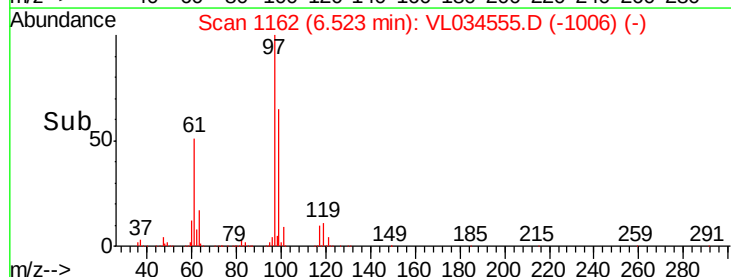
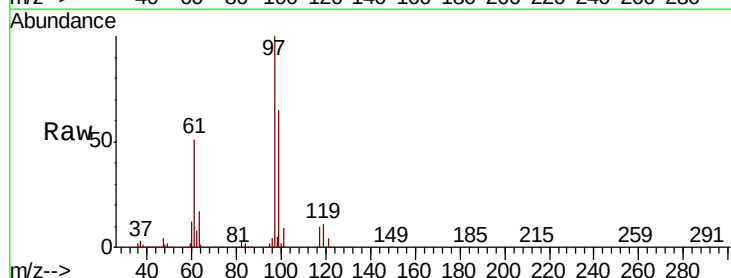
RT: 6.52 min Scan# 1162

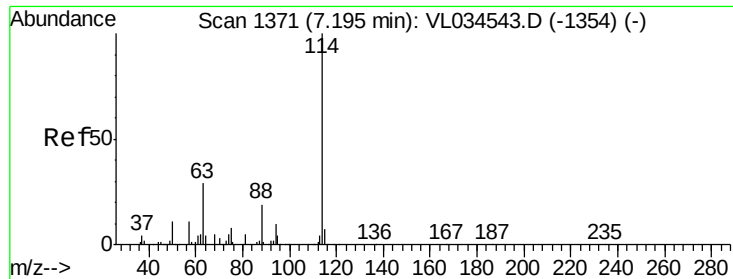
Delta R.T. 0.00 min

Lab File: VL034555.D

Acq: 2 Jan 2020 21:38

Tgt Ion:	97	Resp:	1593702
Ion Ratio	Lower	Upper	
97	100		
99	65.4	51.7	77.5
61	54.7	42.9	64.3





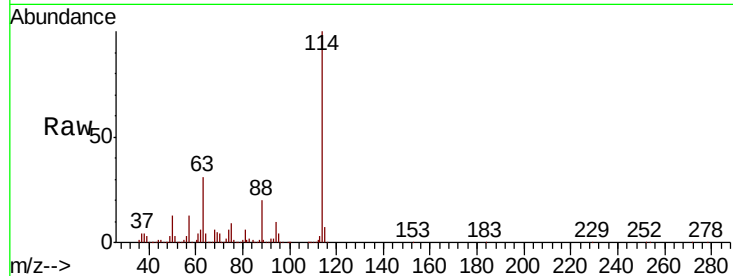
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1370
 Delta R.T. -0.00 min
 Lab File: VL034555.D
 Acq: 2 Jan 2020 21:38

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

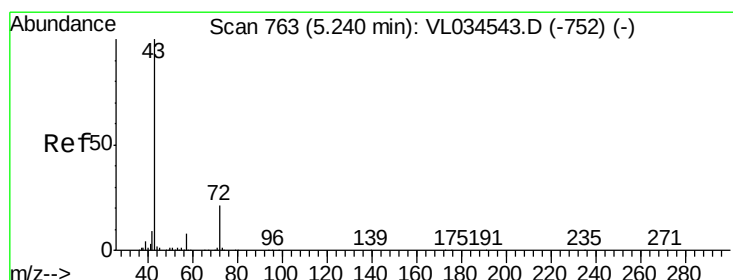
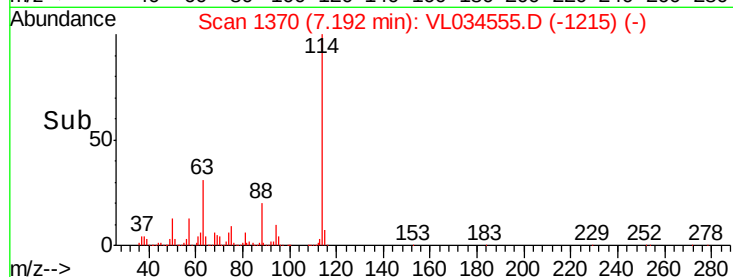
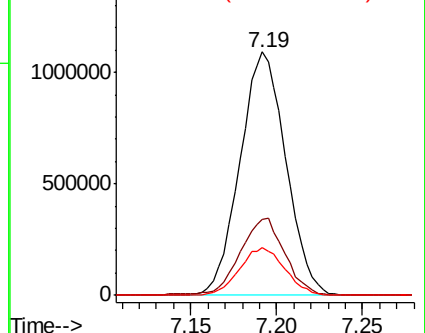
Tot Ion	Ratio	Lower	Upper
114	100		
63	31.4	24.1	36.1
88	19.5	15.7	23.5

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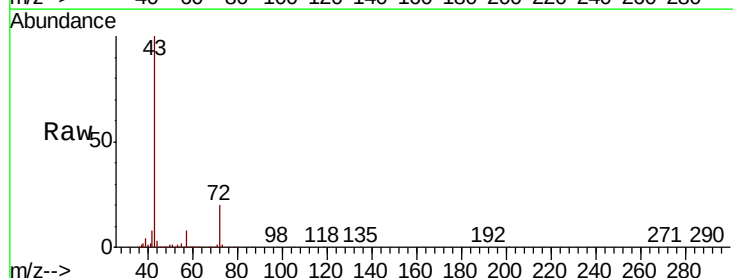


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

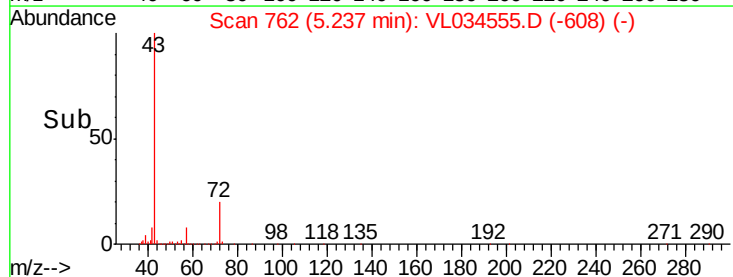
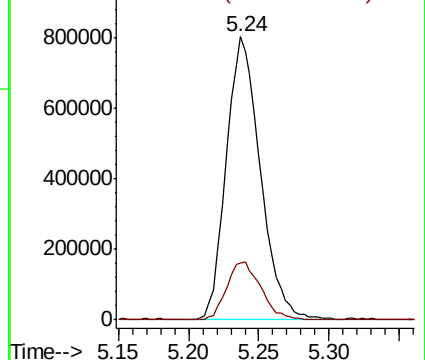


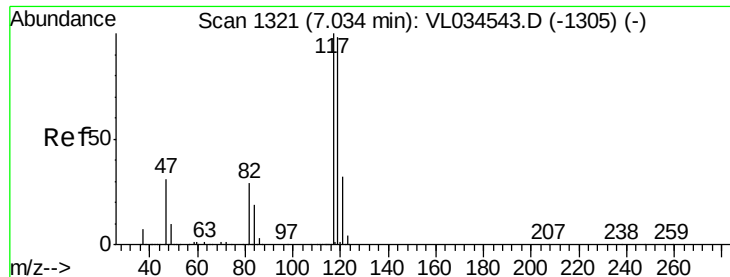
#34
 2-Butanone
 Concen: 9.377 ppbv
 RT: 5.24 min Scan# 762
 Delta R.T. -0.01 min
 Lab File: VL034555.D
 Acq: 2 Jan 2020 21:38

Tgt Ion	Ratio	Lower	Upper
43	100		
72	20.8	17.0	25.4



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





#35

Carbon Tetrachloride

Concen: 9.586 ppbv

RT: 7.03 min Scan# 1320

Delta R.T. -0.01 min

Lab File: VL034555.D

Acq: 2 Jan 2020 21:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:117 Resp: 1749976

Ion Ratio Lower Upper

117 100

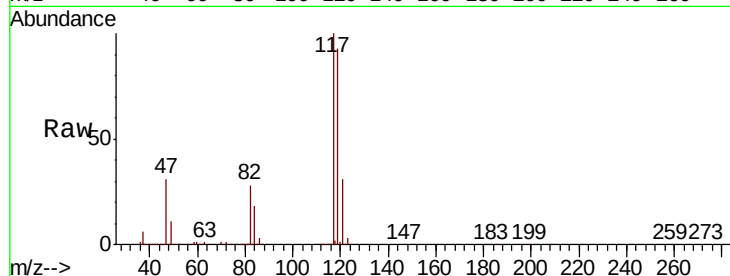
119 92.9 78.7 118.1

121 30.9 25.9 38.9

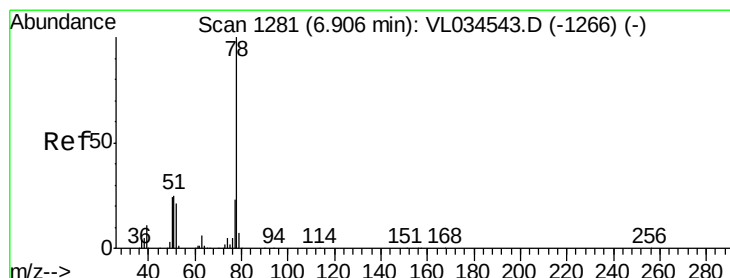
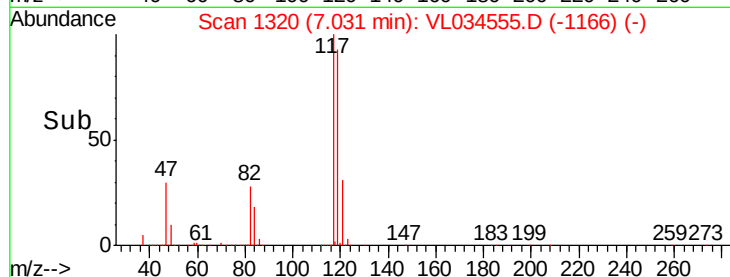
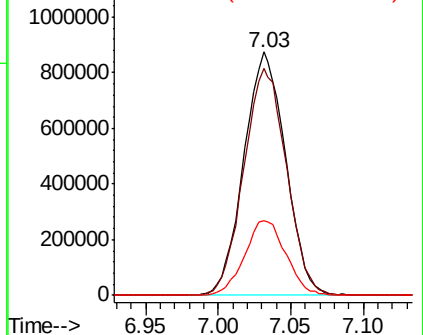
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Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.652 ppbv

RT: 6.90 min Scan# 1280

Delta R.T. -0.01 min

Lab File: VL034555.D

Acq: 2 Jan 2020 21:38

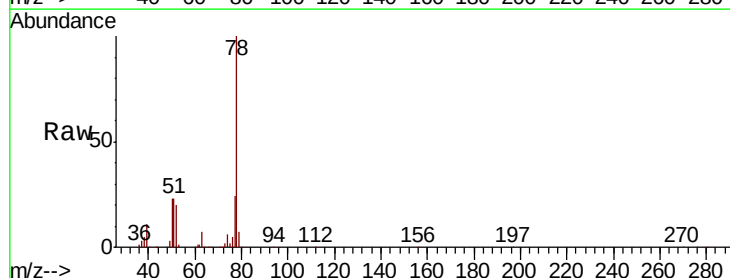
Tgt Ion: 78 Resp: 1693675

Ion Ratio Lower Upper

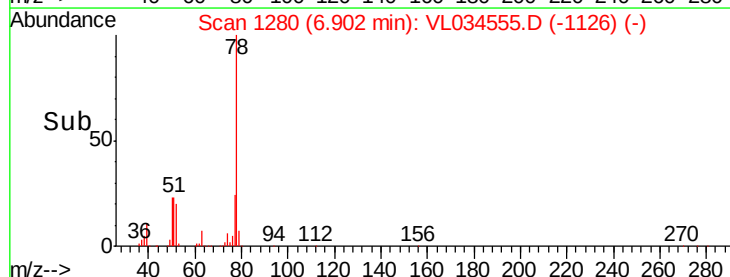
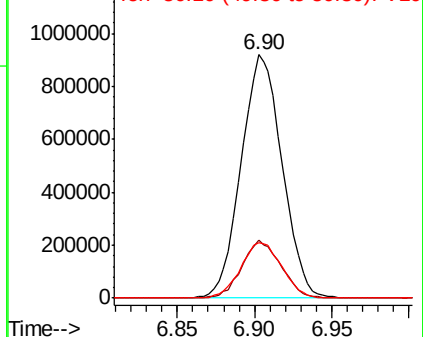
78 100

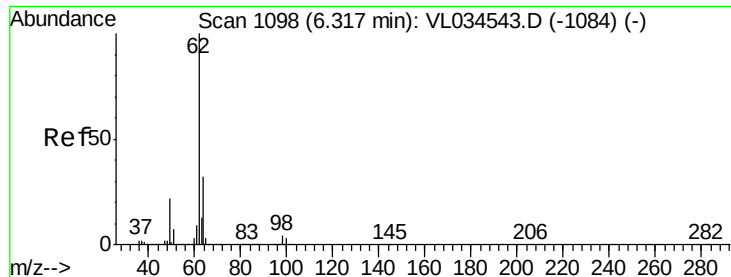
77 23.9 18.6 28.0

50 22.6 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





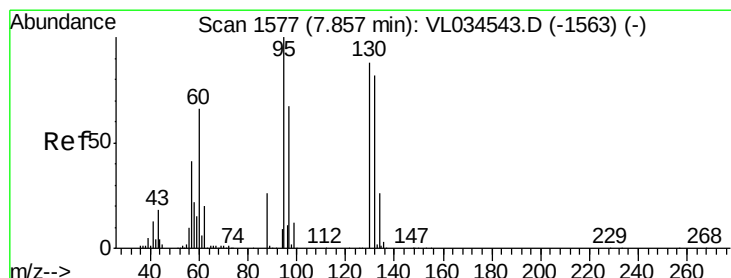
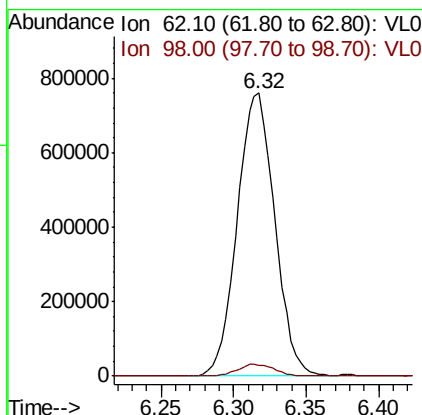
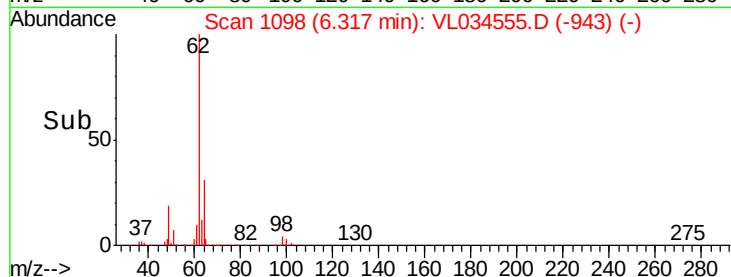
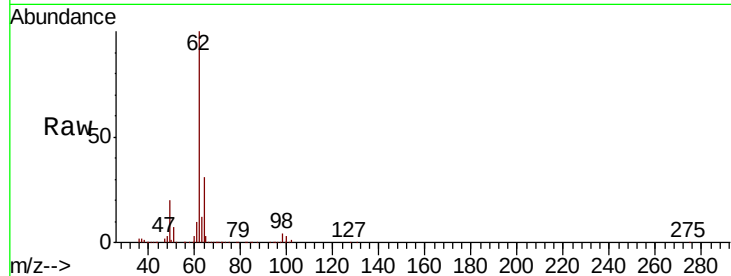
#37
1,2-Dichloroethane
Concen: 9.626 ppbv
RT: 6.32 min Scan# 1098
Delta R.T. -0.00 min
Lab File: VL034555.D
Acq: 2 Jan 2020 21:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
62	100		
98	4.2	3.8	5.6

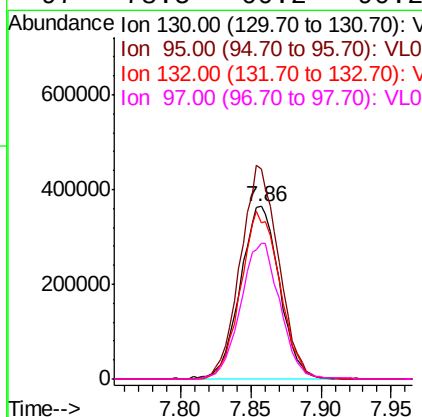
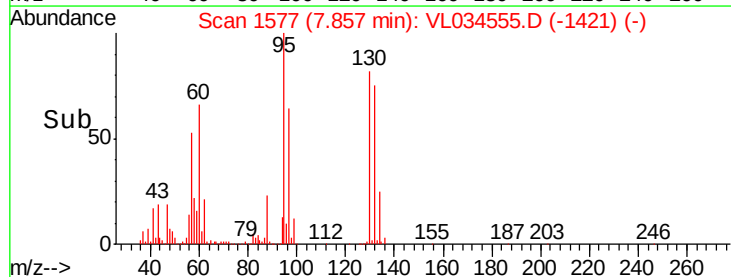
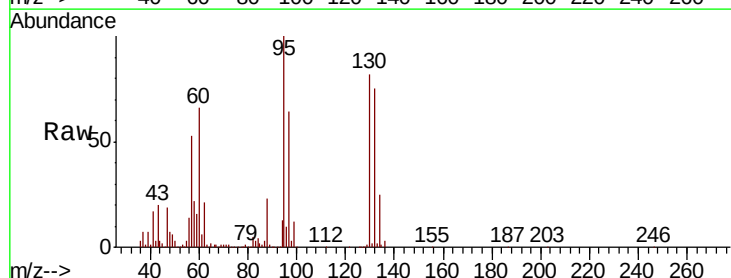
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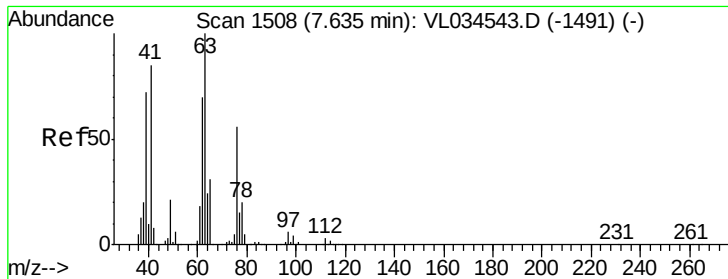
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#38
Trichloroethene
Concen: 9.905 ppbv
RT: 7.86 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VL034555.D
Acq: 2 Jan 2020 21:38

Tgt Ion	Ratio	Lower	Upper
130	100		
95	121.8	94.2	141.2
132	90.6	76.1	114.1
97	78.5	60.2	90.2





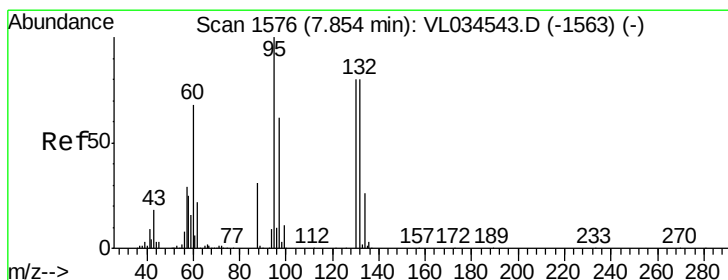
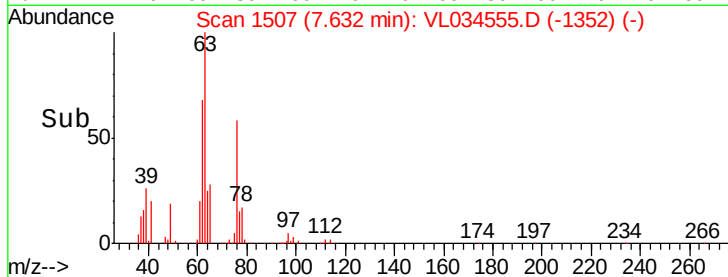
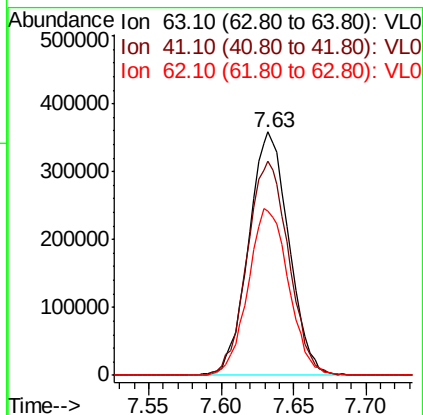
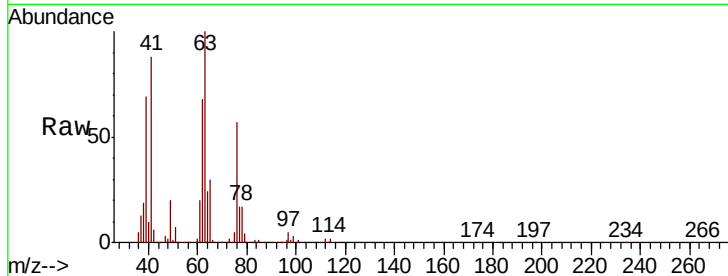
#39
 1,2-Dichloropropane
 Concen: 9.584 ppbv
 RT: 7.63 min Scan# 1507
 Delta R.T. -0.00 min
 Lab File: VL034555.D
 Acq: 2 Jan 2020 21:38

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
63	100		
41	87.6	66.1	99.1
62	67.6	54.9	82.3

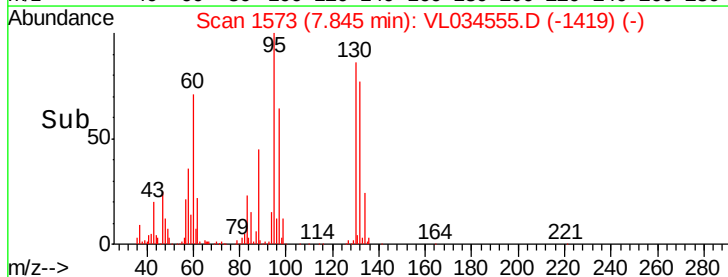
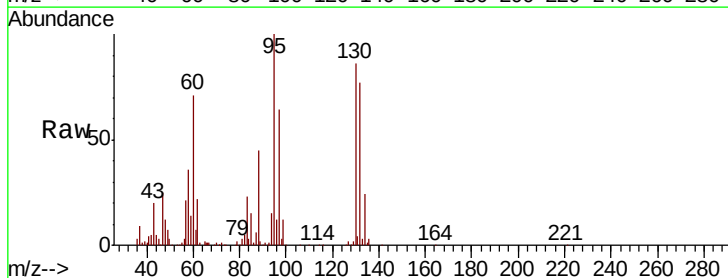
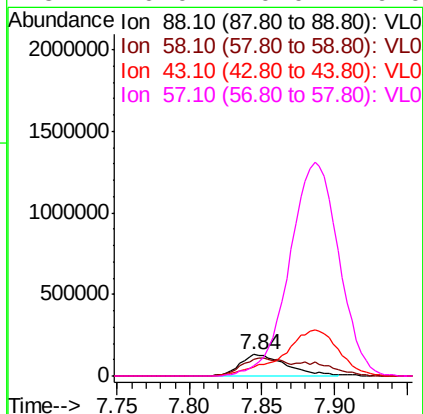
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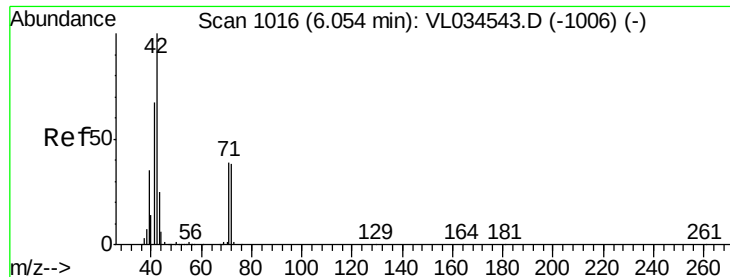
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#40
 1,4-Dioxane
 Concen: 10.133 ppbv
 RT: 7.84 min Scan# 1573
 Delta R.T. -0.01 min
 Lab File: VL034555.D
 Acq: 2 Jan 2020 21:38

Tgt Ion	Ratio	Lower	Upper
88	100		
58	131.5	107.9	161.9
43	0.0	0.0	0.0
57	0.0	0.0	0.0





#41

Tetrahydrofuran

Concen: 10.073 ppbv

RT: 6.05 min Scan# 1015

Delta R.T. -0.00 min

Lab File: VL034555.D

Acq: 2 Jan 2020 21:38

Instrument :

MSVOA_L

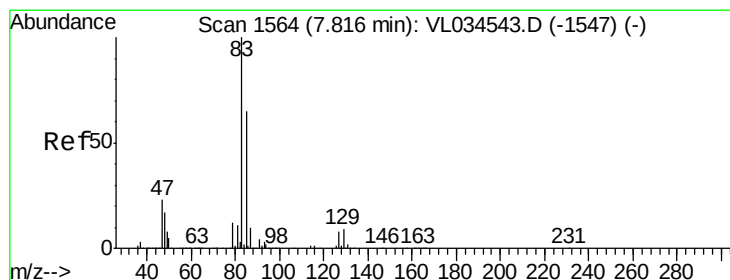
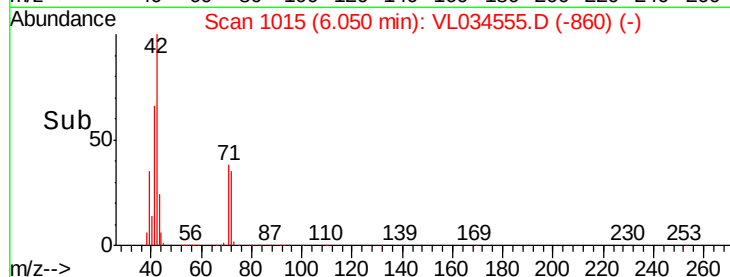
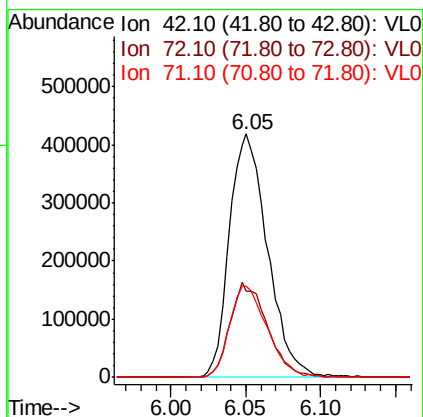
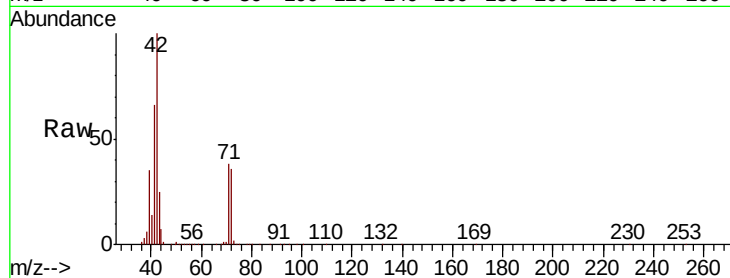
ClientSampleId :

VSTDCCC010EC

Tot Ion:	42	Resp:	743298
Ion	Ratio	Lower	Upper
42	100		
72	38.1	30.9	46.3
71	37.3	28.9	43.3

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#42

Bromodichloromethane

Concen: 9.777 ppbv

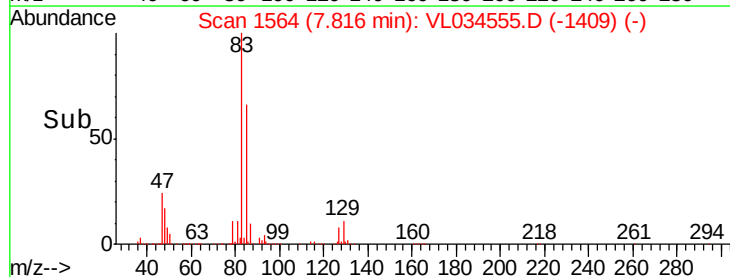
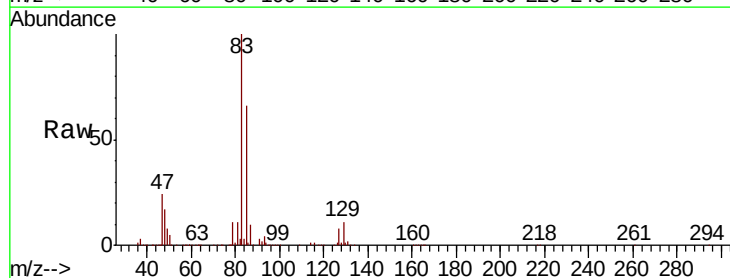
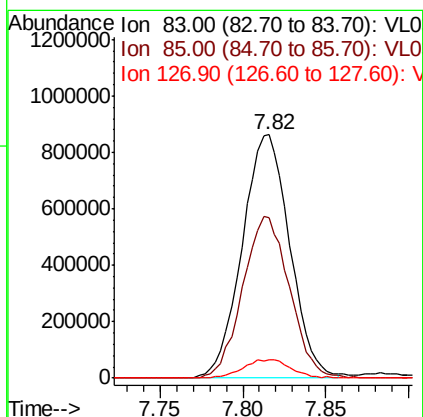
RT: 7.82 min Scan# 1564

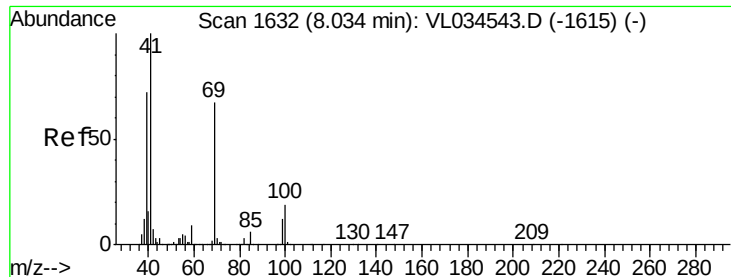
Delta R.T. -0.00 min

Lab File: VL034555.D

Acq: 2 Jan 2020 21:38

Tgt Ion:	83	Resp:	1714231
Ion	Ratio	Lower	Upper
83	100		
85	65.6	49.4	74.2
127	7.7	6.2	9.4





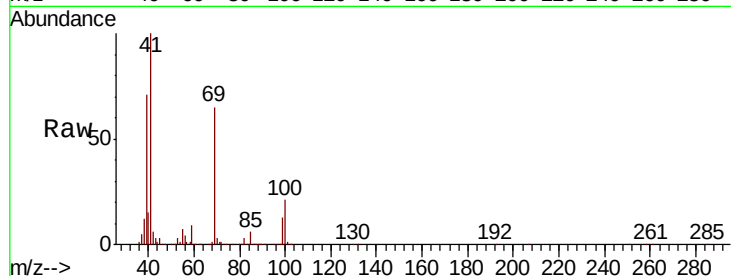
#43
Methyl Methacrylate
Concen: 10.066 ppbv
RT: 8.03 min Scan# 1631
Delta R.T. -0.01 min
Lab File: VL034555.D
Acq: 2 Jan 2020 21:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	156.2	124.0	186.0	
100	29.8	23.1	34.7	

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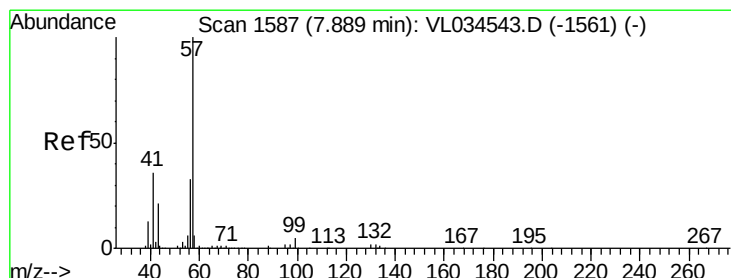
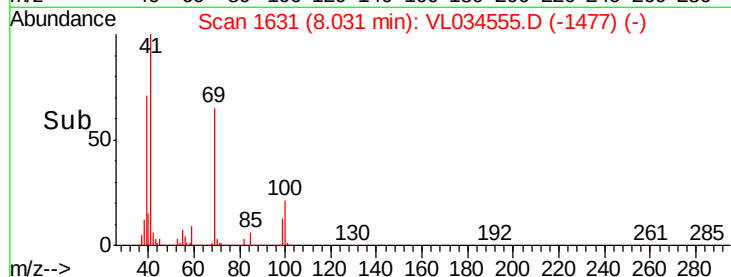
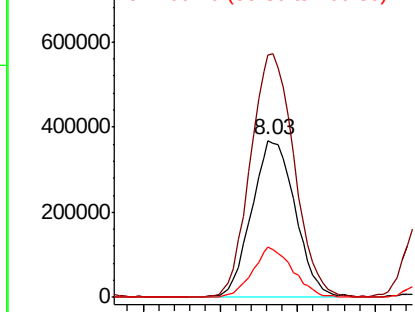


Abundance

Ion 69.10 (68.80 to 69.80): VL0

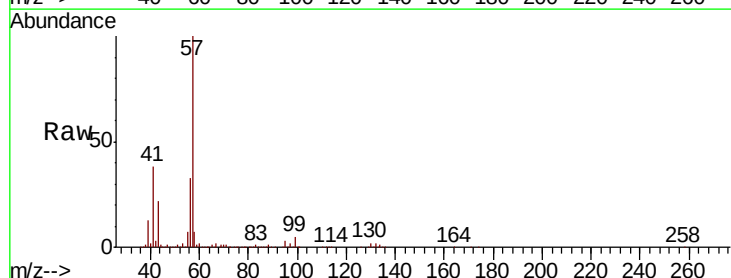
Ion 41.10 (40.80 to 41.80): VL0

Ion 100.10 (99.80 to 100.80): VL0



#44
2,2,4-Trimethylpentane
Concen: 9.542 ppbv
RT: 7.89 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VL034555.D
Acq: 2 Jan 2020 21:38

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	36.6	29.0	43.4	
56	31.3	24.9	37.3	

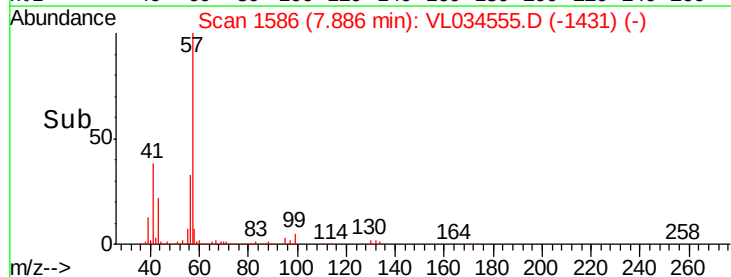
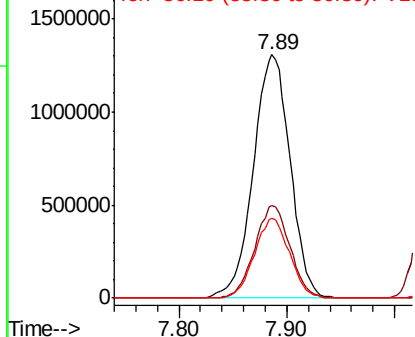


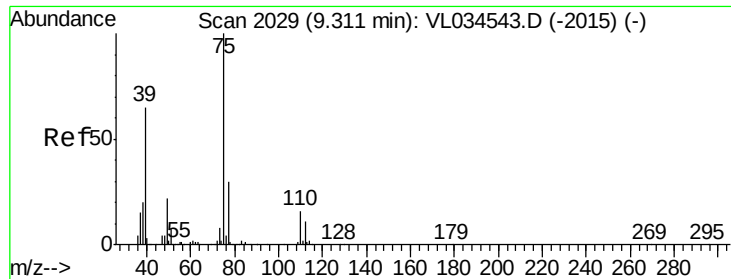
Abundance

Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#45

t-1,3-Dichloropropene

Concen: 10.555 ppbv

RT: 9.31 min Scan# 2029

Delta R.T. 0.00 min

Lab File: VL034555.D

Acq: 2 Jan 2020 21:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 75 Resp: 973212

Ion Ratio Lower Upper

75 100

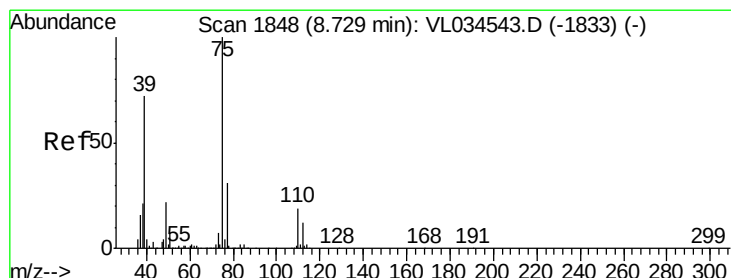
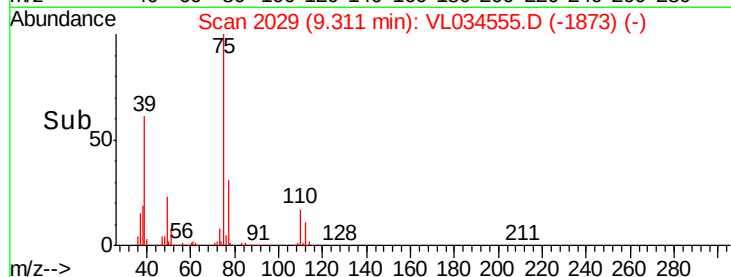
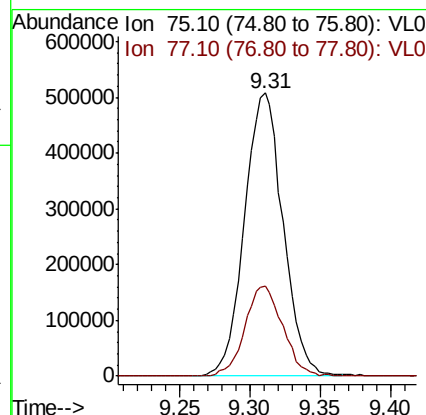
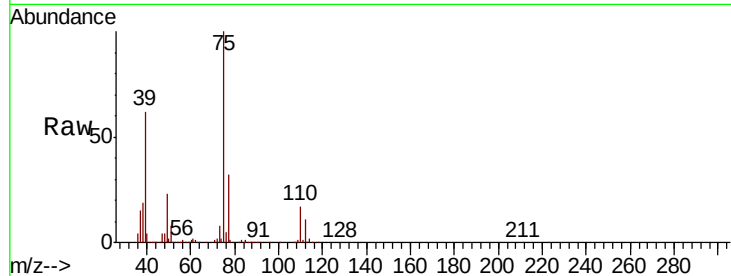
77 31.7 24.2 36.2

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#46

cis-1,3-Dichloropropene

Concen: 10.262 ppbv

RT: 8.73 min Scan# 1848

Delta R.T. -0.01 min

Lab File: VL034555.D

Acq: 2 Jan 2020 21:38

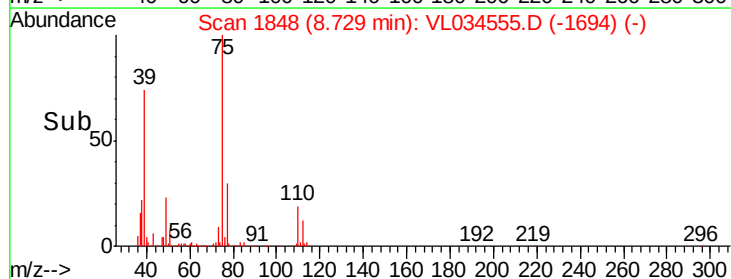
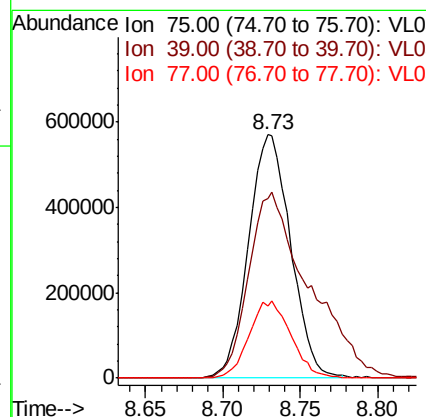
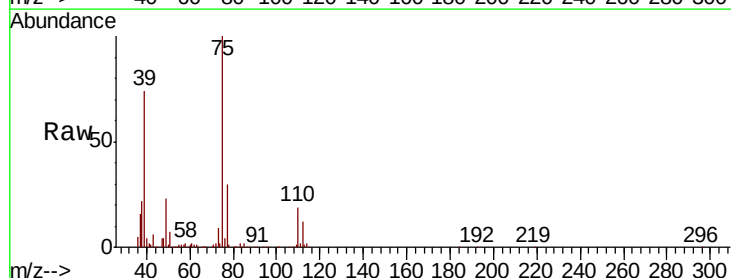
Tgt Ion: 75 Resp: 1081671

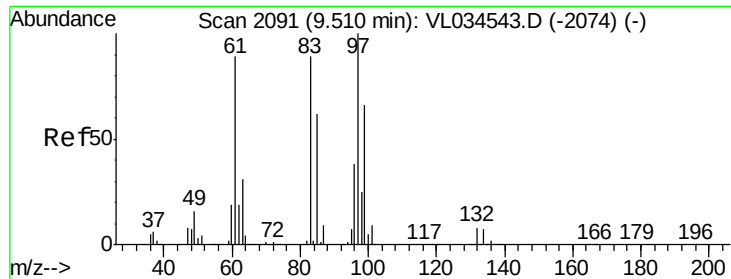
Ion Ratio Lower Upper

75 100

39 73.9 60.5 90.7

77 29.6 24.8 37.2





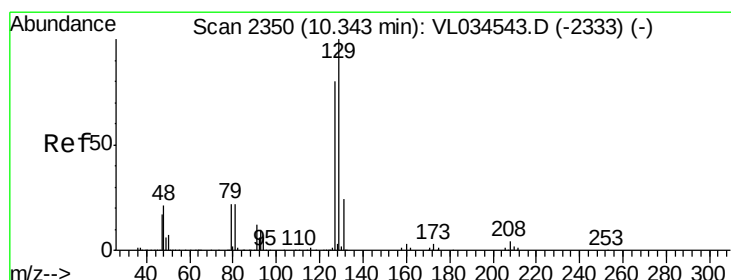
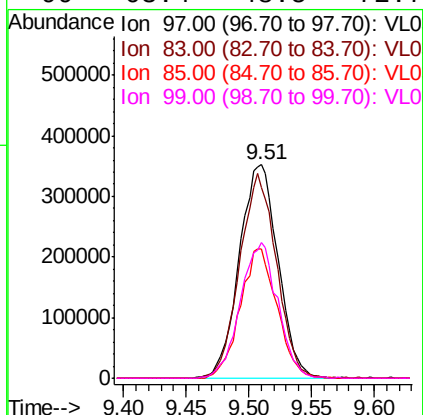
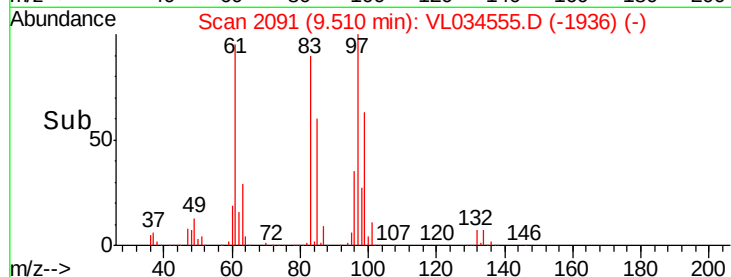
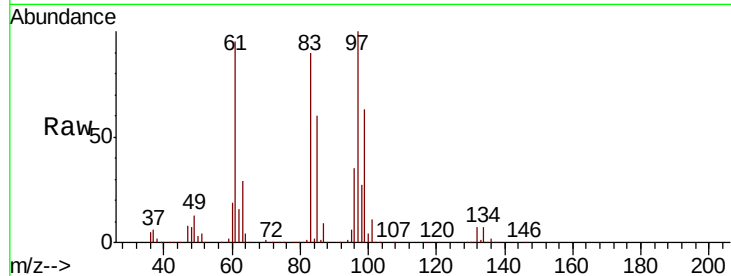
#47
 1,1,2-Trichloroethane
 Concen: 9.502 ppbv
 RT: 9.51 min Scan# 2091
 Delta R.T. -0.00 min
 Lab File: VL034555.D
 Acq: 2 Jan 2020 21:38

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	89.6	75.0	112.4	
85	60.4	48.2	72.4	
99	63.4	48.5	72.7	

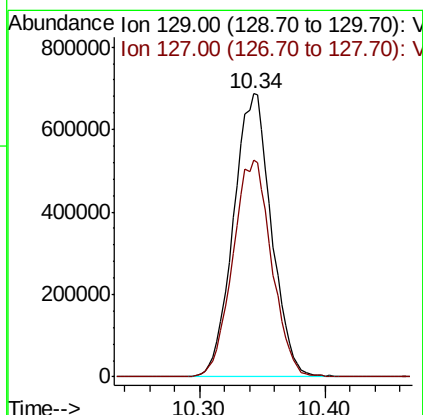
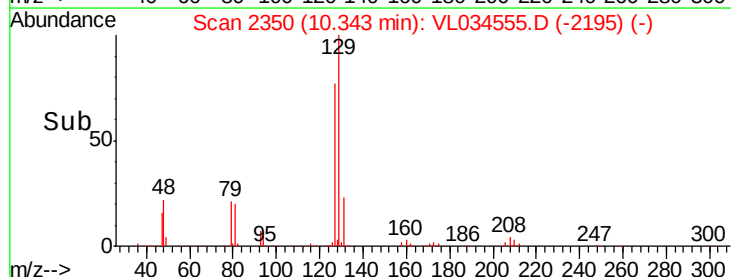
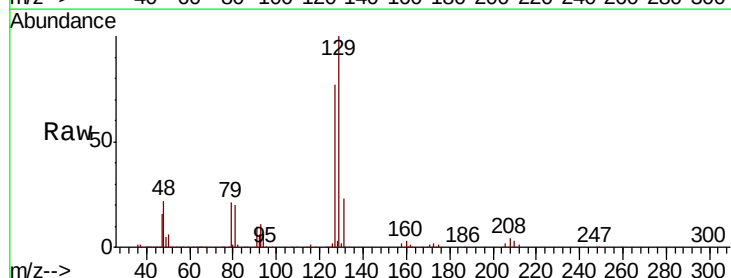
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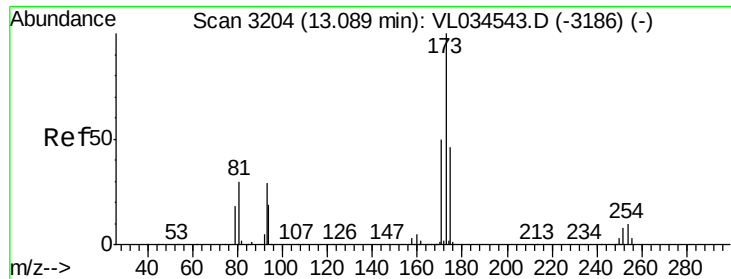
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#48
 Dibromochloromethane
 Concen: 10.483 ppbv
 RT: 10.34 min Scan# 2350
 Delta R.T. -0.00 min
 Lab File: VL034555.D
 Acq: 2 Jan 2020 21:38

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	78.3	39.4	118.2	





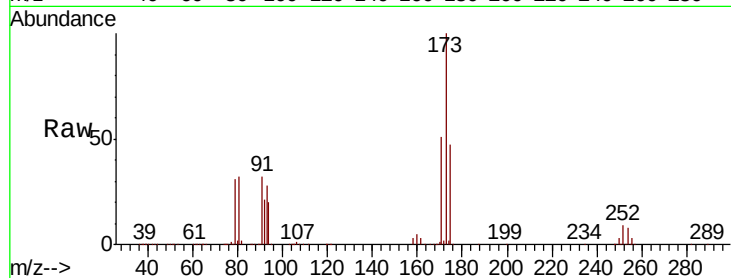
#49
Bromoform
Concen: 10.313 ppbv
RT: 13.09 min Scan# 3204
Delta R.T. -0.01 min
Lab File: VL034555.D
Acq: 2 Jan 2020 21:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

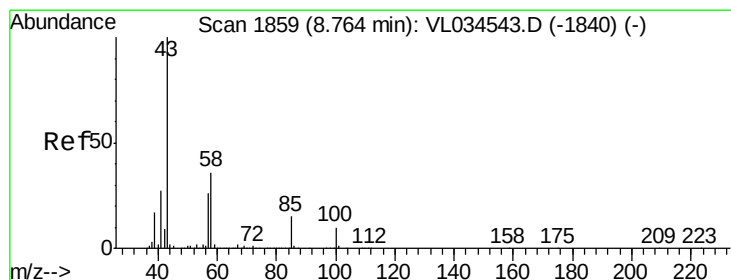
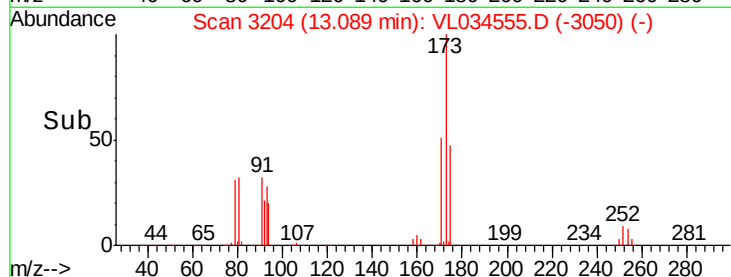
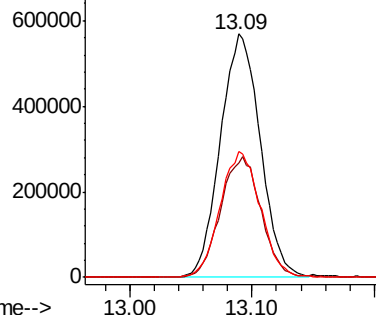
Tot Ion	Ratio	Lower	Upper
173	100		
175	50.2	39.8	59.8
171	52.1	42.1	63.1

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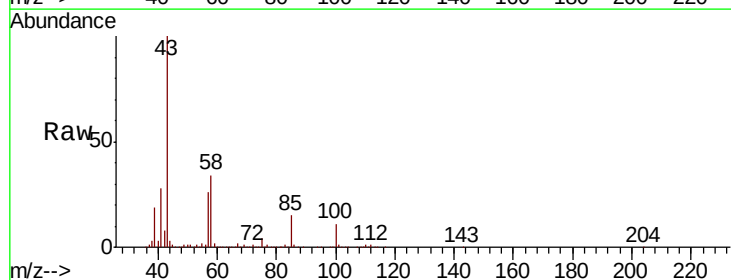


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V

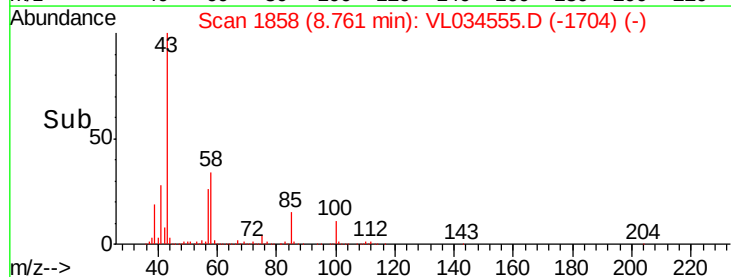
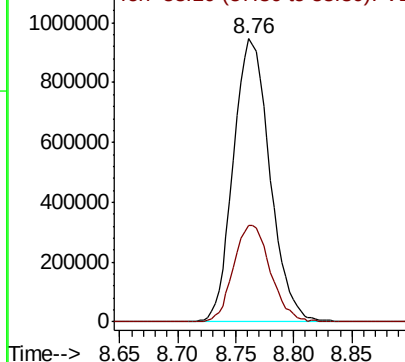


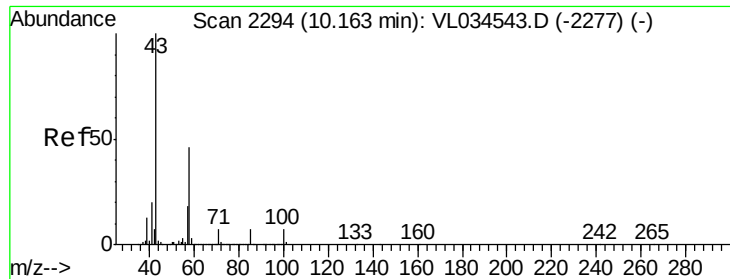
#50
4-Methyl-2-Pentanone
Concen: 9.953 ppbv
RT: 8.76 min Scan# 1858
Delta R.T. -0.01 min
Lab File: VL034555.D
Acq: 2 Jan 2020 21:38

Tgt Ion	Ratio	Lower	Upper
43	100		
58	34.4	28.2	42.2



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





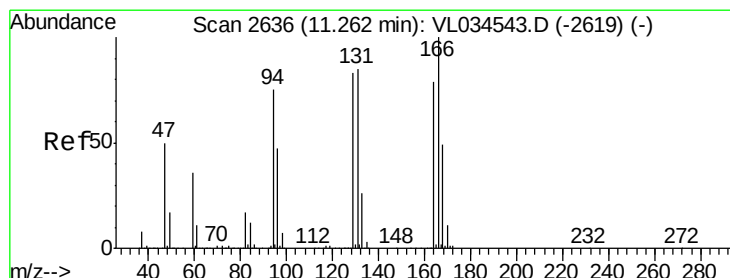
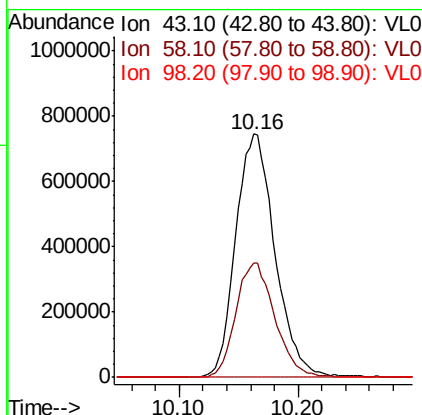
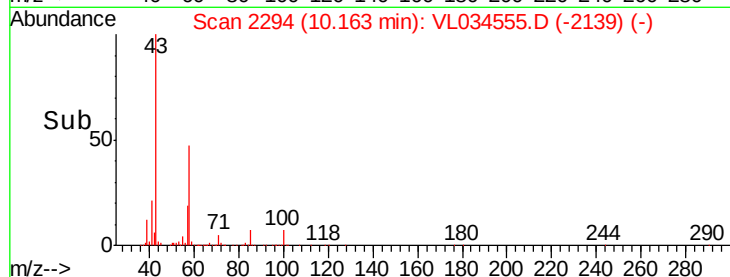
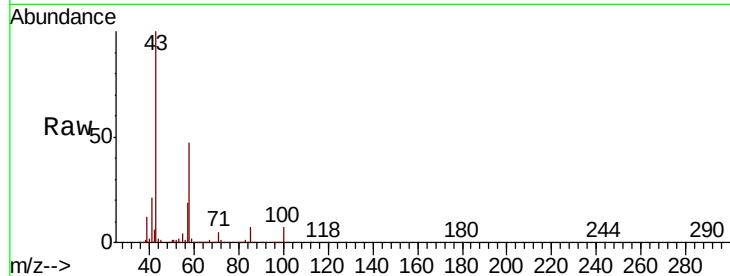
#51
2-Hexanone
Concen: 10.052 ppbv
RT: 10.16 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VL034555.D
Acq: 2 Jan 2020 21:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	46.9	37.4	56.0
98	0.4	0.2	0.2#

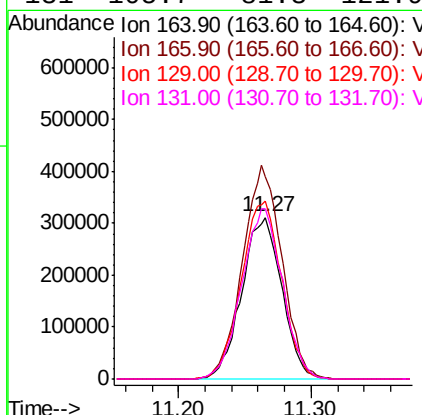
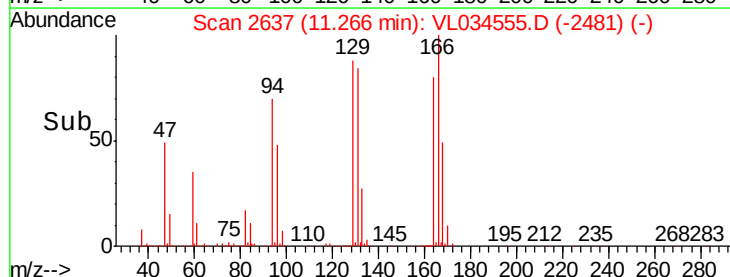
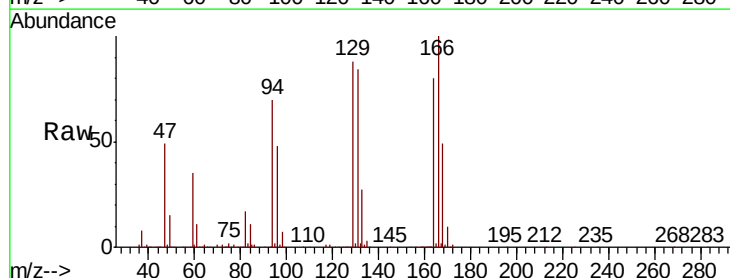
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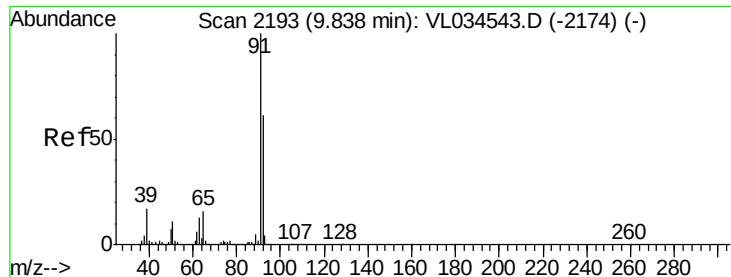
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#52
Tetrachloroethene
Concen: 9.489 ppbv
RT: 11.27 min Scan# 2637
Delta R.T. 0.00 min
Lab File: VL034555.D
Acq: 2 Jan 2020 21:38

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.8	95.7	143.5
129	110.1	82.2	123.2
131	105.7	81.3	121.9





#53

Toluene

Concen: 10.304 ppbv

RT: 9.84 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VL034555.D

Acq: 2 Jan 2020 21:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 1986427

Ion Ratio Lower Upper

91 100

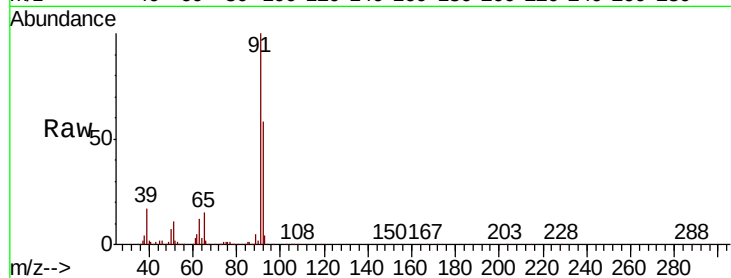
92 60.0 48.4 72.6

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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

9.84

1000000

800000

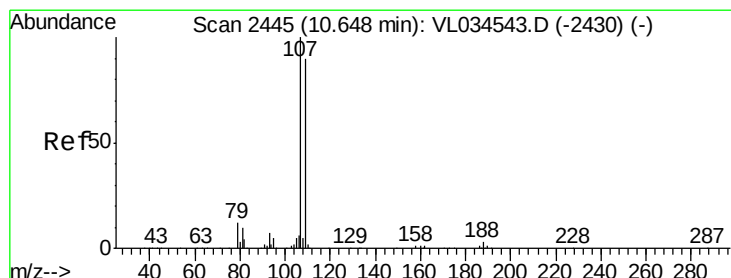
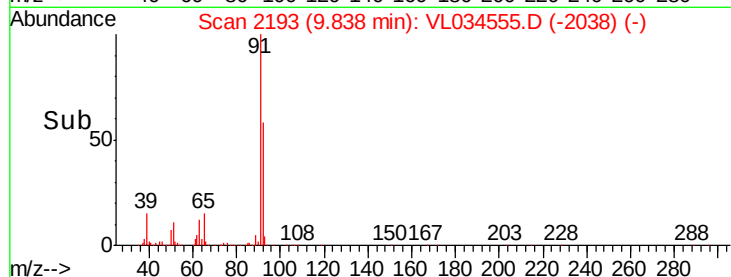
600000

400000

200000

0

Time-->



#54

1,2-Dibromoethane

Concen: 10.392 ppbv

RT: 10.65 min Scan# 2445

Delta R.T. -0.01 min

Lab File: VL034555.D

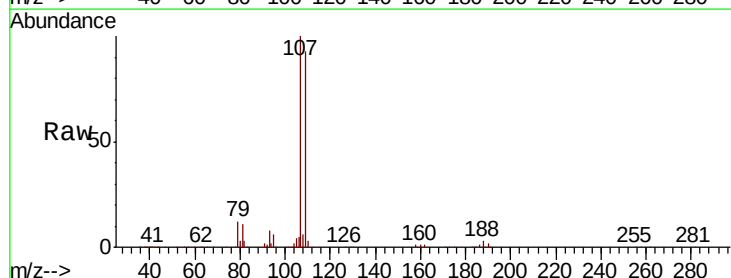
Acq: 2 Jan 2020 21:38

Tgt Ion: 107 Resp: 1202903

Ion Ratio Lower Upper

107 100

109 93.0 75.5 113.3



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

10.65

600000

500000

400000

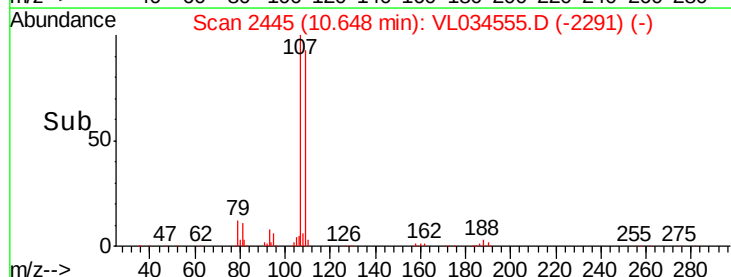
300000

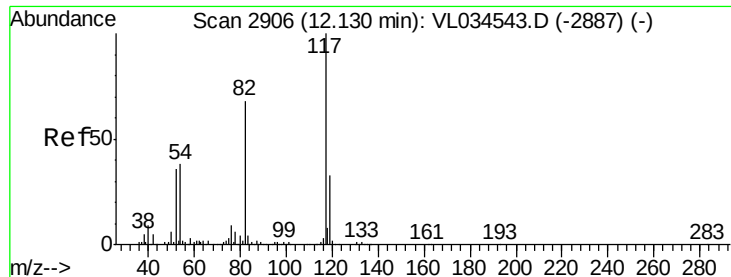
200000

100000

0

Time-->





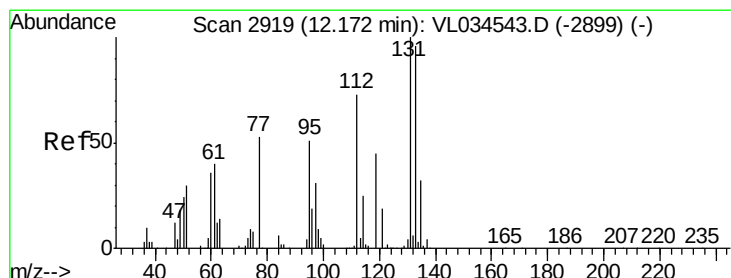
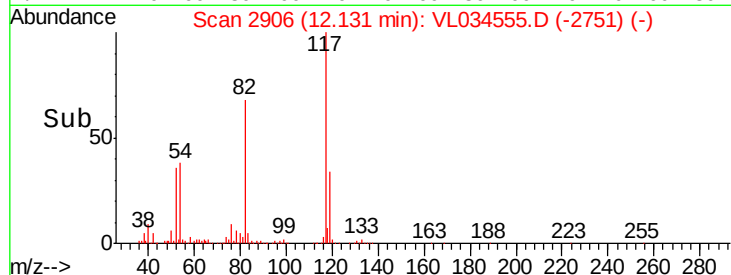
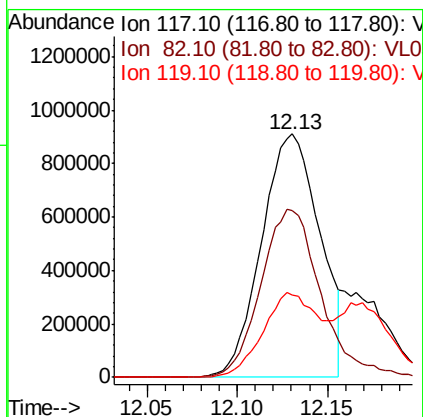
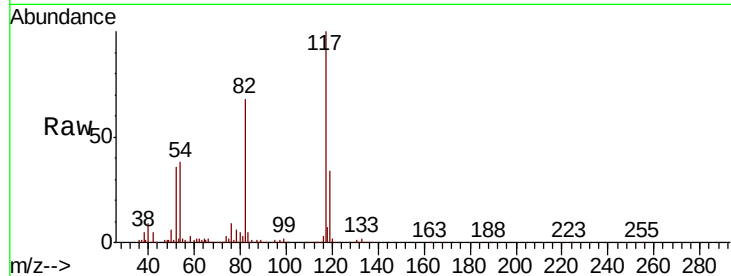
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.13 min Scan# 2906
Delta R.T. -0.00 min
Lab File: VL034555.D
Acq: 2 Jan 2020 21:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	71.2	56.2	84.4
119	32.7	27.1	40.7

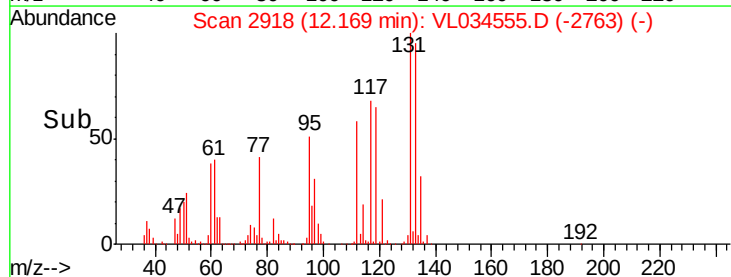
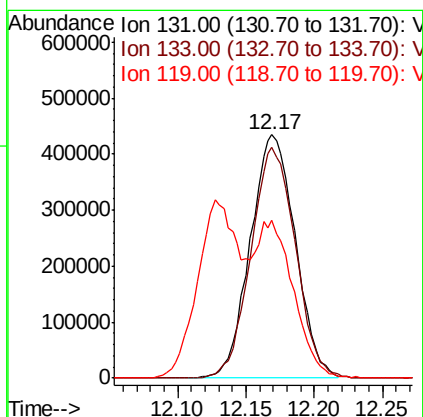
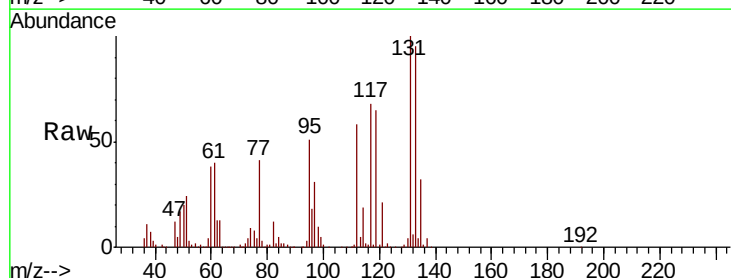
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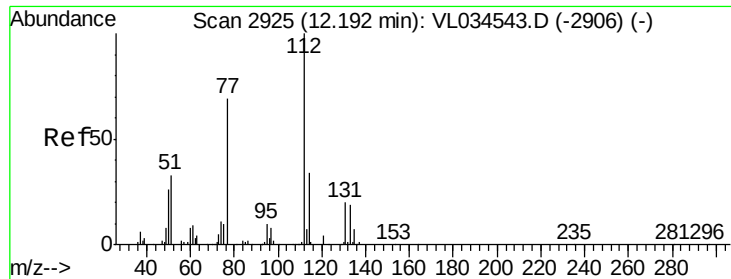
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#56
1,1,1,2-Tetrachloroethane
Concen: 10.040 ppbv
RT: 12.17 min Scan# 2918
Delta R.T. -0.00 min
Lab File: VL034555.D
Acq: 2 Jan 2020 21:38

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.2	76.2	114.2
119	53.8	47.1	70.7





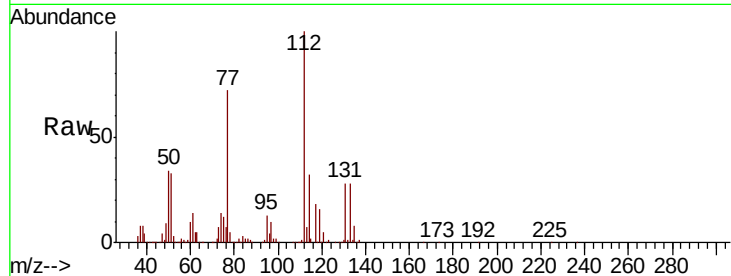
#57
Chlorobenzene
Concen: 9.354 ppbv
RT: 12.19 min Scan# 2924
Delta R.T. -0.01 min
Lab File: VL034555.D
Acq: 2 Jan 2020 21:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

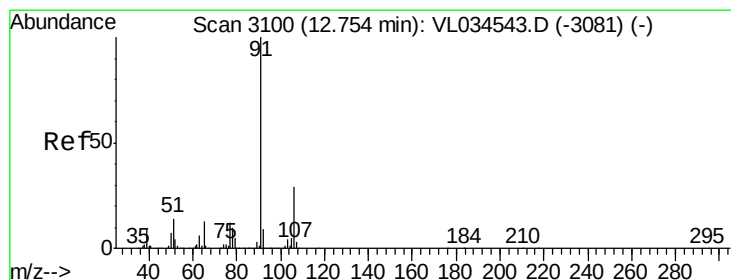
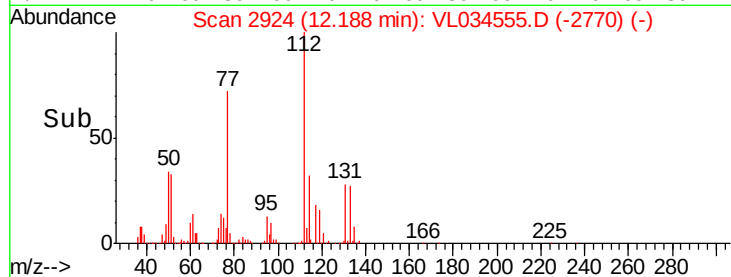
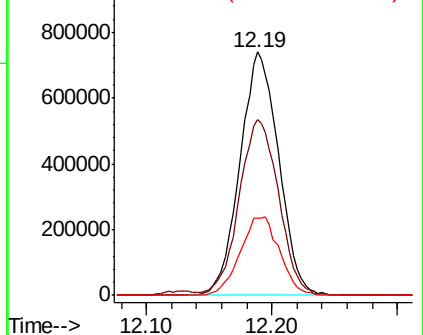
Tot Ion	Ratio	Lower	Upper
112	100		
77	71.7	57.4	86.0
114	31.5	28.4	34.8

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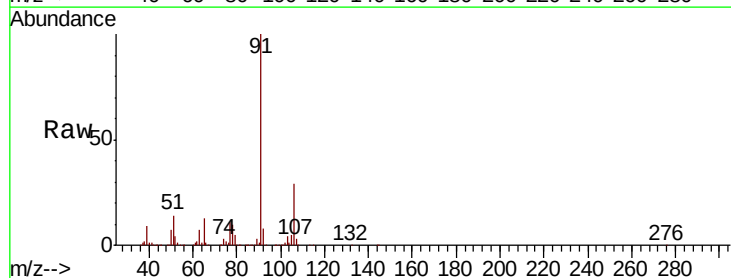


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

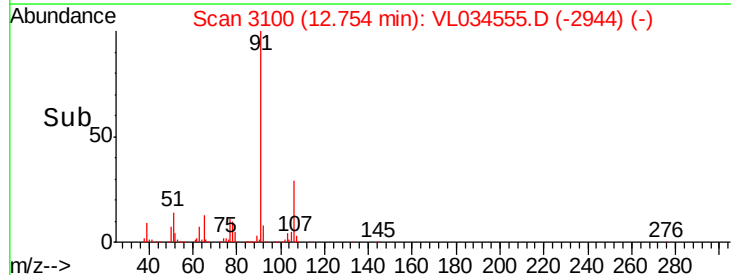
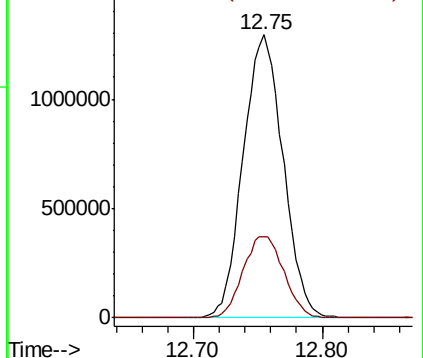


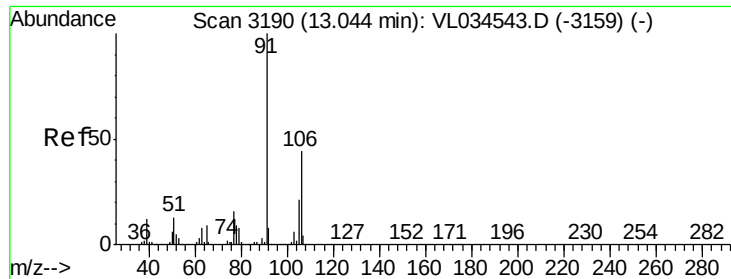
#58
Ethyl Benzene
Concen: 10.086 ppbv
RT: 12.75 min Scan# 3100
Delta R.T. 0.00 min
Lab File: VL034555.D
Acq: 2 Jan 2020 21:38

Tgt Ion	Ratio	Lower	Upper
91	100		
106	28.7	24.6	36.8



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





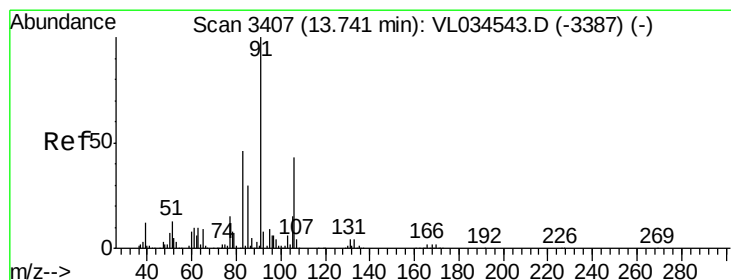
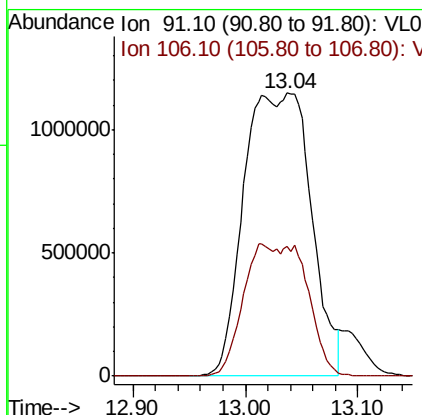
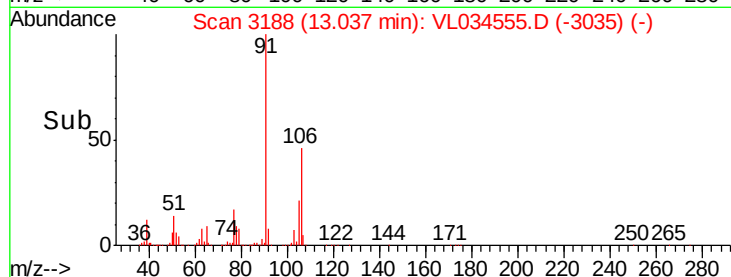
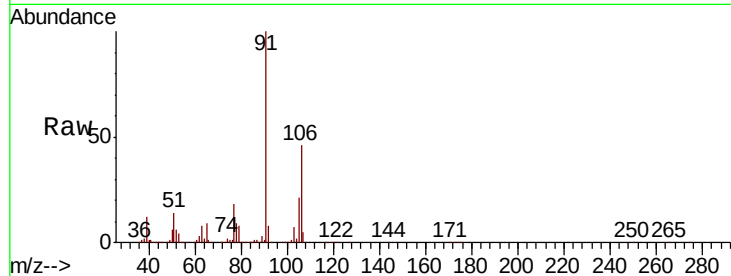
#59
m/p-Xylene
Concen: 19.649 ppbv m
RT: 13.04 min Scan# 3188
Delta R.T. -0.01 min
Lab File: VL034555.D
Acq: 2 Jan 2020 21:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 4758050
Ion Ratio Lower Upper
91 100
106 0.0 35.6 53.4#

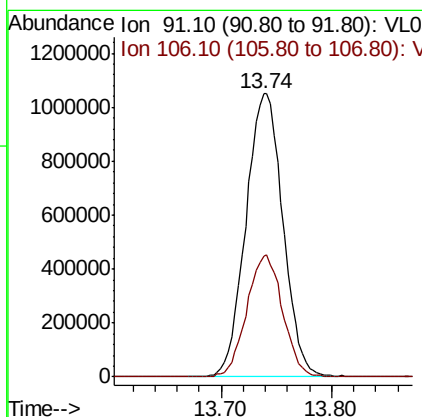
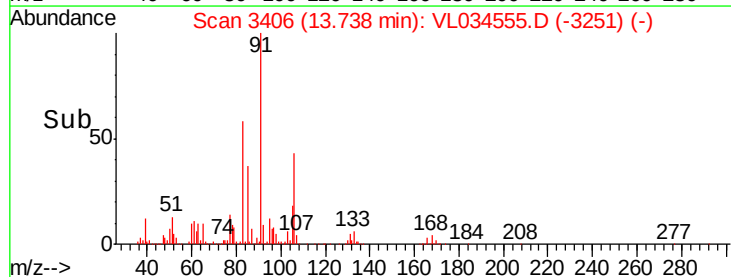
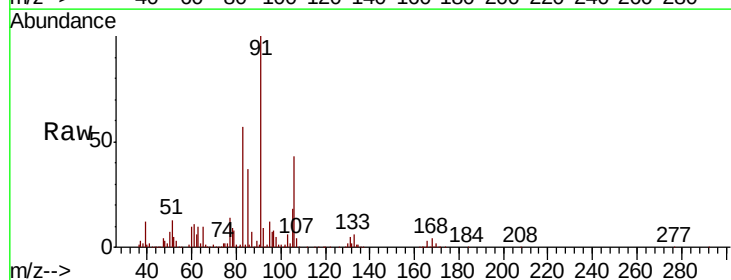
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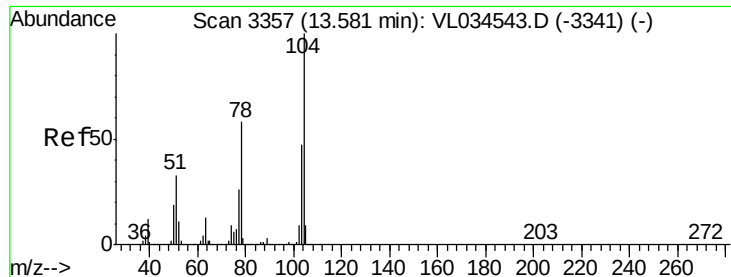
apatel
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#60
o-Xylene
Concen: 10.028 ppbv
RT: 13.74 min Scan# 3406
Delta R.T. -0.00 min
Lab File: VL034555.D
Acq: 2 Jan 2020 21:38

Tgt Ion: 91 Resp: 2436764
Ion Ratio Lower Upper
91 100
106 41.8 21.4 64.3





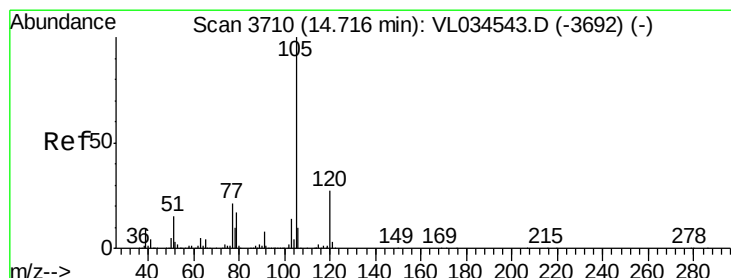
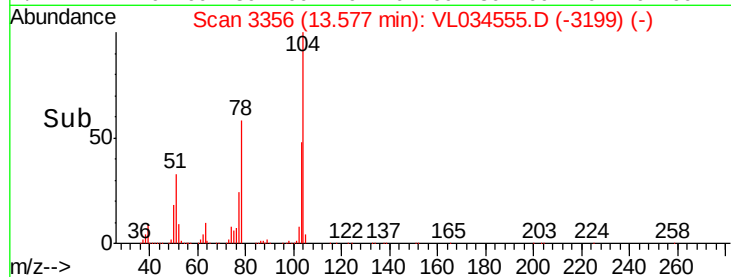
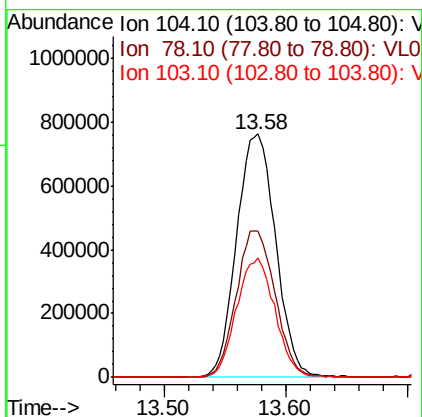
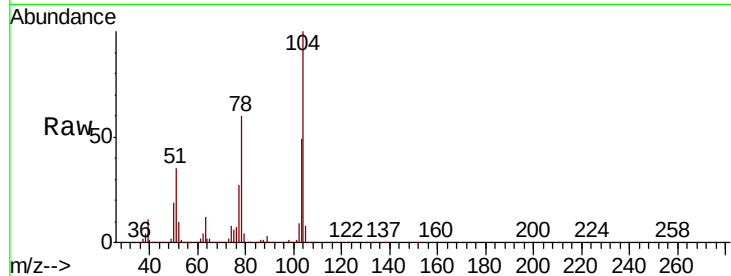
#61
Stvrene
Concen: 10.167 ppbv
RT: 13.58 min Scan# 3356
Delta R.T. 0.00 min
Lab File: VL034555.D
Acq: 2 Jan 2020 21:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	60.2	47.7	71.5
103	48.3	38.6	58.0

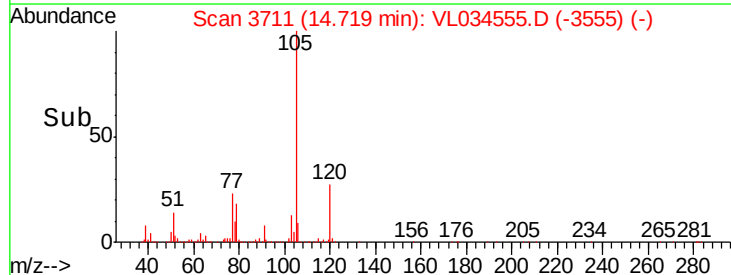
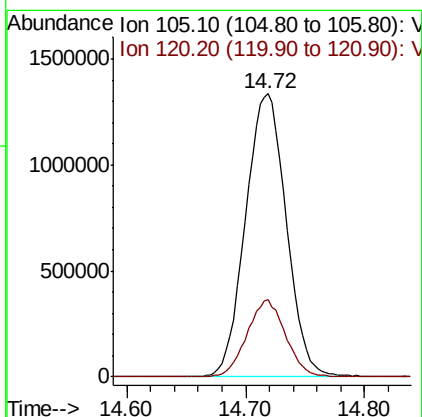
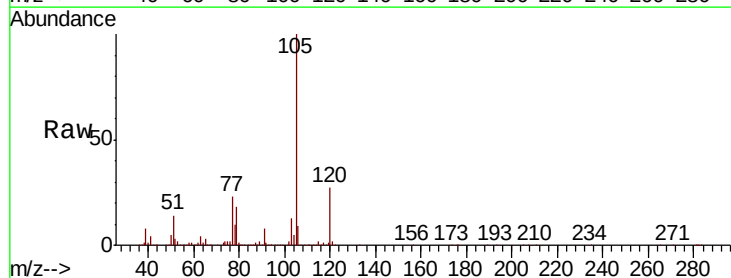
Manual Integrations
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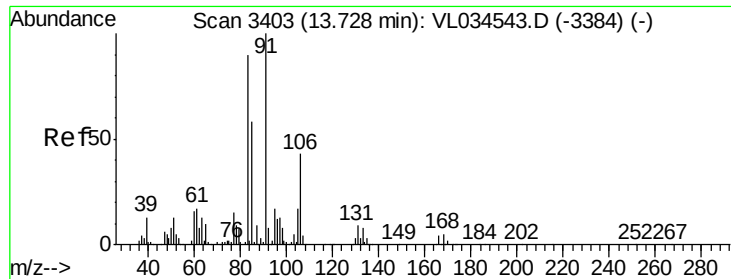
apatel
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#62
Isopropylbenzene
Concen: 9.949 ppbv
RT: 14.72 min Scan# 3711
Delta R.T. 0.00 min
Lab File: VL034555.D
Acq: 2 Jan 2020 21:38

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.8	20.6	30.8





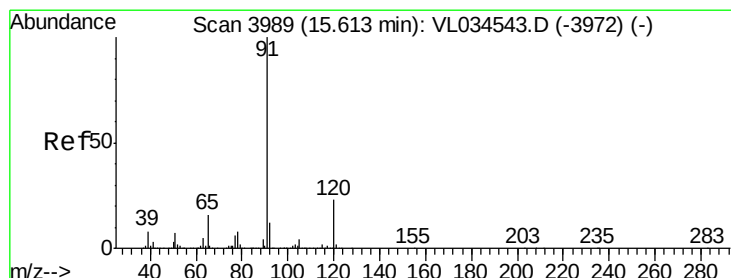
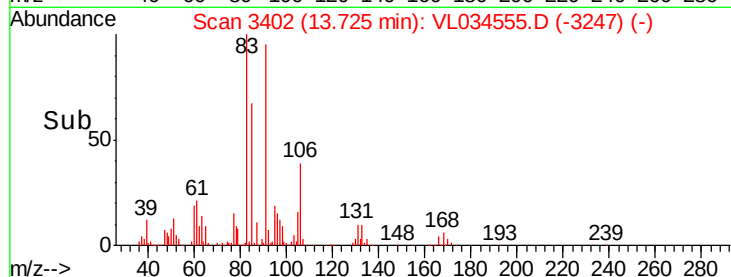
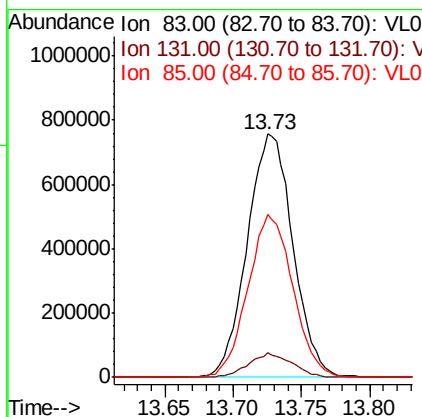
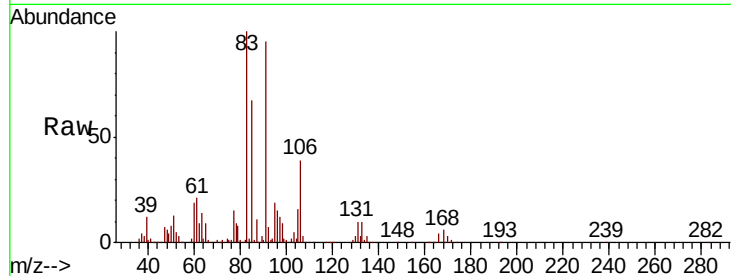
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.009 ppbv
 RT: 13.73 min Scan# 3402
 Delta R.T. -0.00 min
 Lab File: VL034555.D
 Acq: 2 Jan 2020 21:38

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 83 Resp: 1755985
 Ion Ratio Lower Upper
 83 100
 131 9.5 4.8 14.4
 85 66.2 32.5 97.4

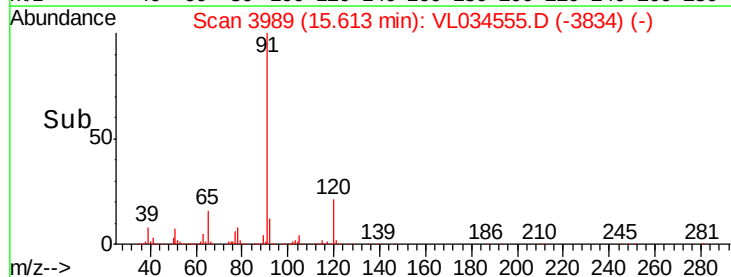
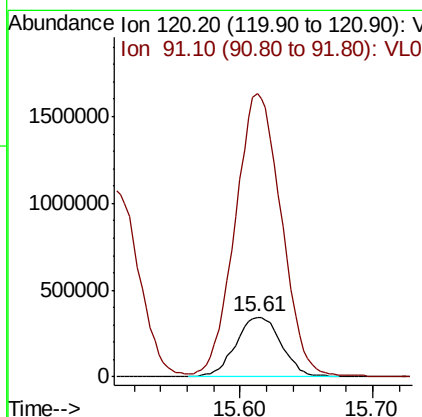
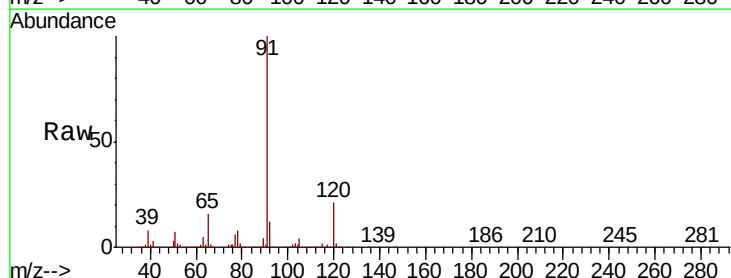
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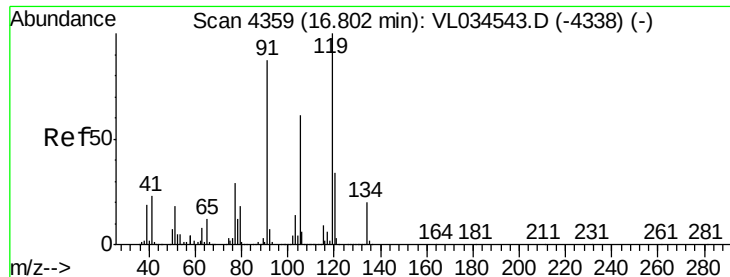
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#64
 n-propylbenzene
 Concen: 10.142 ppbv
 RT: 15.61 min Scan# 3989
 Delta R.T. -0.00 min
 Lab File: VL034555.D
 Acq: 2 Jan 2020 21:38

Tgt Ion: 120 Resp: 823157
 Ion Ratio Lower Upper
 120 100
 91 480.1 375.6 563.4





#65

tert-Butylbenzene

Concen: 10.252 ppbv

RT: 16.80 min Scan# 4358

Delta R.T. -0.00 min

Lab File: VL034555.D

Acq: 2 Jan 2020 21:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:119 Resp: 2943793

Ion Ratio Lower Upper

119 100

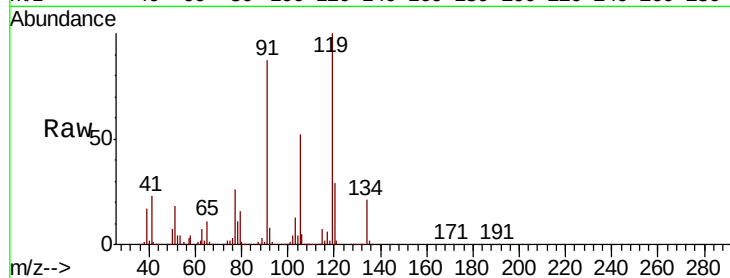
91 89.8 72.0 108.0

134 19.4 16.1 24.1

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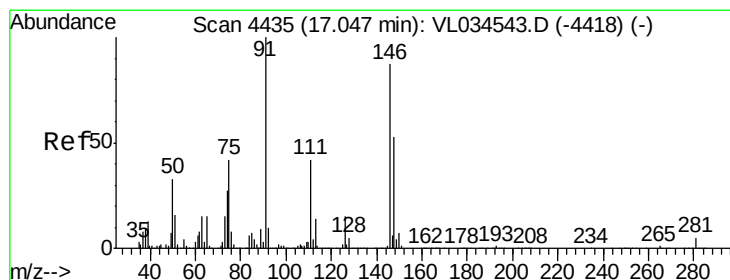
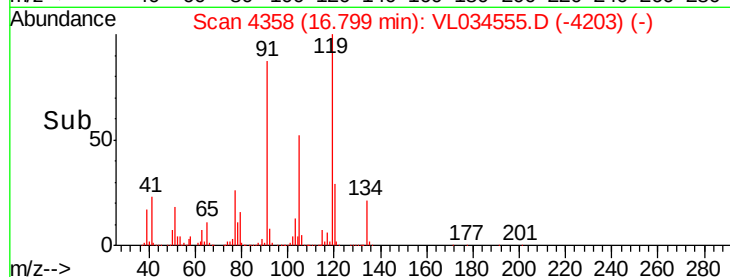
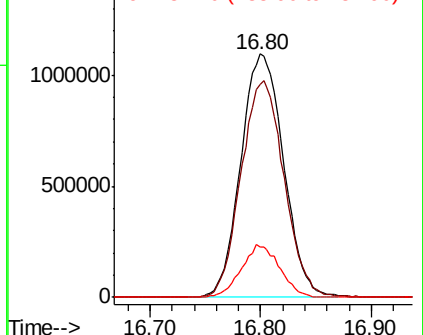
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Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 10.969 ppbv

RT: 17.05 min Scan# 4435

Delta R.T. 0.00 min

Lab File: VL034555.D

Acq: 2 Jan 2020 21:38

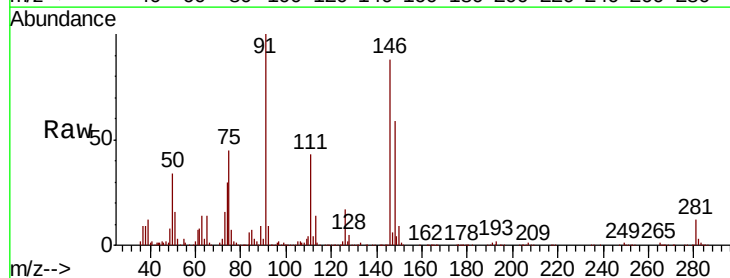
Tgt Ion: 91 Resp: 1380526

Ion Ratio Lower Upper

91 100

126 16.7 13.1 19.7

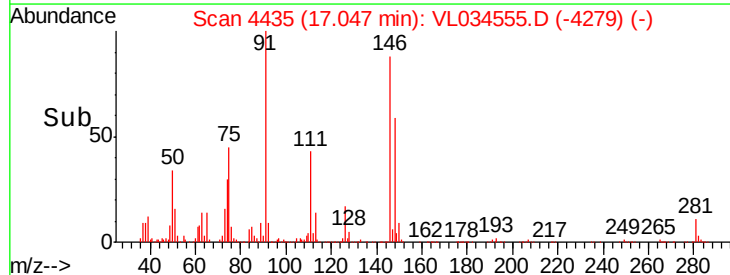
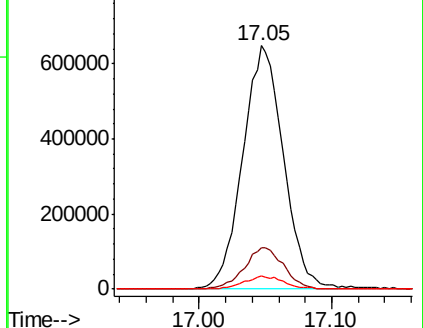
128 5.2 4.2 6.4

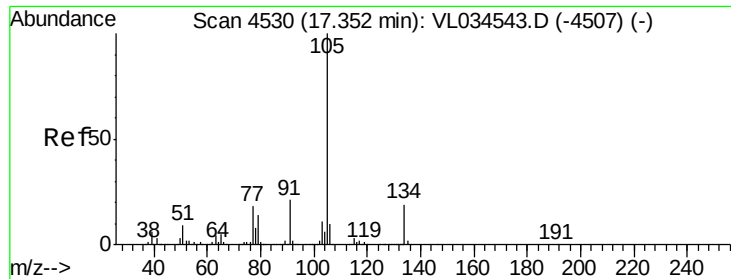


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 9.989 ppbv

RT: 17.35 min Scan# 4530

Delta R.T. 0.00 min

Lab File: VL034555.D

Acq: 2 Jan 2020 21:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 4028162

Ion Ratio Lower Upper

105 100

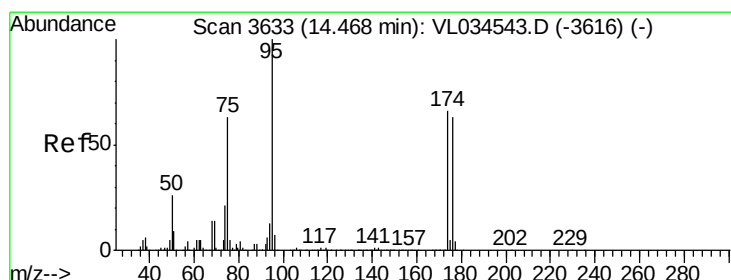
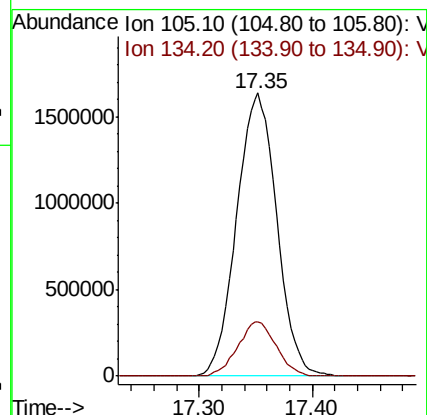
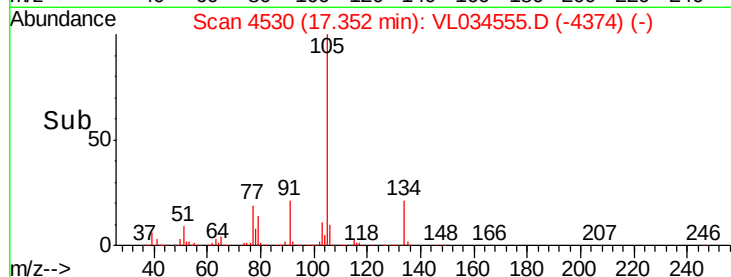
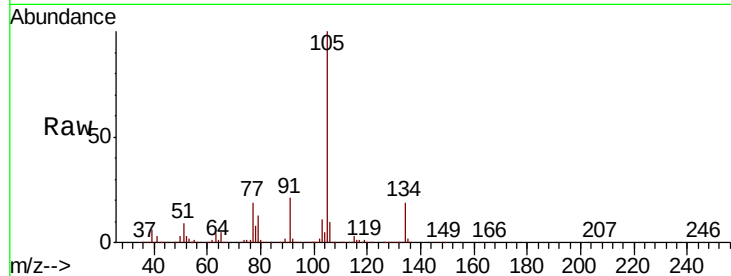
134 18.6 15.1 22.7

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#68

1-Bromo-4-Fluorobenzene

Concen: 10.182 ppbv

RT: 14.47 min Scan# 3633

Delta R.T. 0.00 min

Lab File: VL034555.D

Acq: 2 Jan 2020 21:38

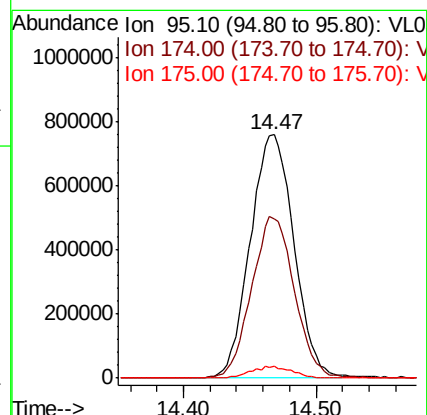
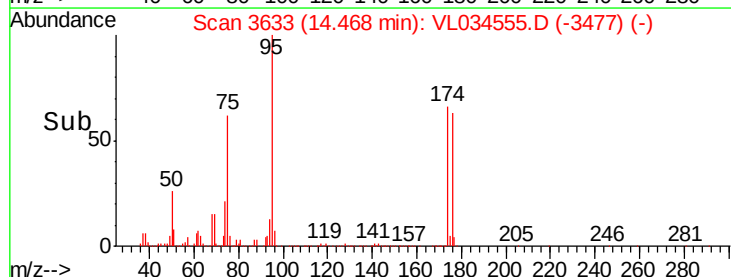
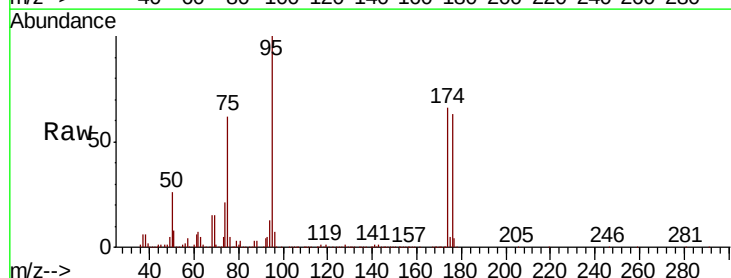
Tgt Ion: 95 Resp: 1744569

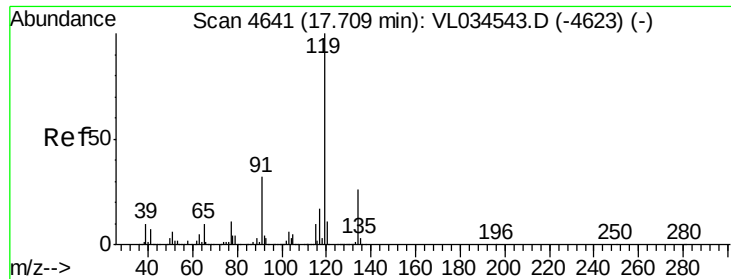
Ion Ratio Lower Upper

95 100

174 65.1 52.4 78.6

175 4.6 3.9 5.9





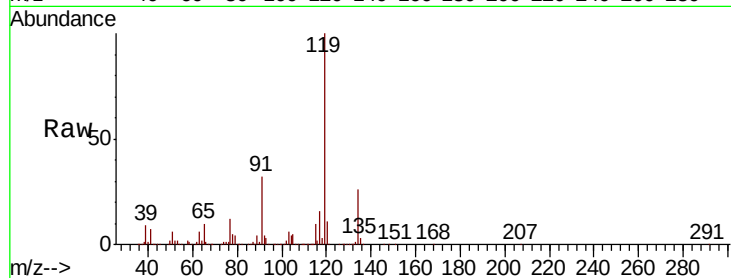
#69
 p-Isopropyltoluene
 Concen: 10.385 ppbv
 RT: 17.71 min Scan# 4642
 Delta R.T. 0.00 min
 Lab File: VL034555.D
 Acq: 2 Jan 2020 21:38

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.9	20.7	31.1
91	33.4	26.6	39.8

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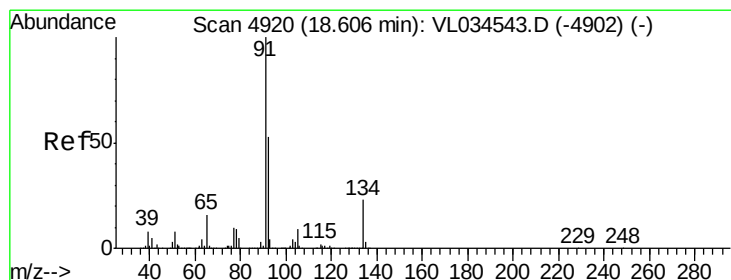
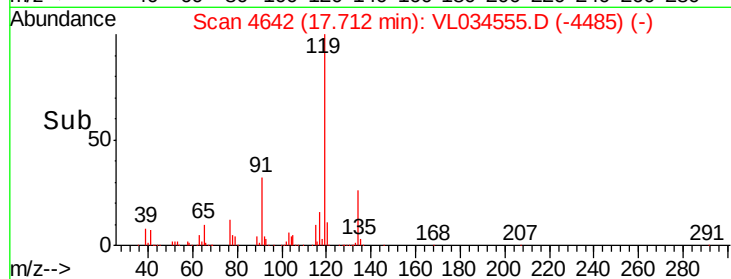
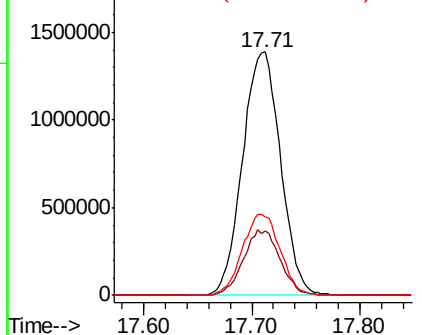


Abundance

Ion 119.10 (118.80 to 119.80): V

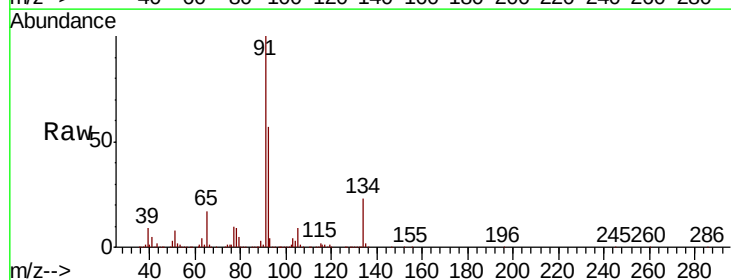
Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70
 n-Butylbenzene
 Concen: 10.176 ppbv
 RT: 18.61 min Scan# 4920
 Delta R.T. -0.00 min
 Lab File: VL034555.D
 Acq: 2 Jan 2020 21:38

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.3	43.8	65.6
134	22.2	18.0	27.0

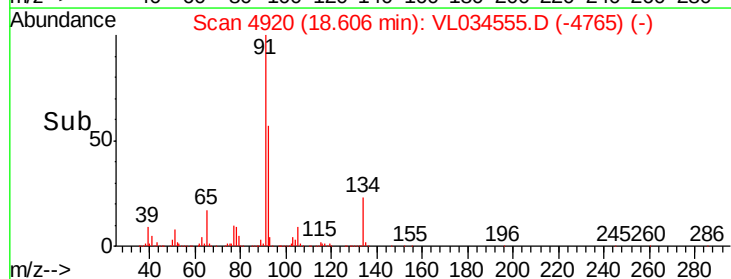
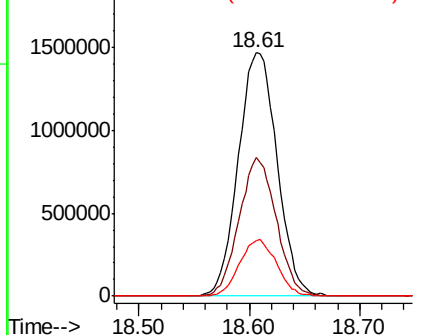


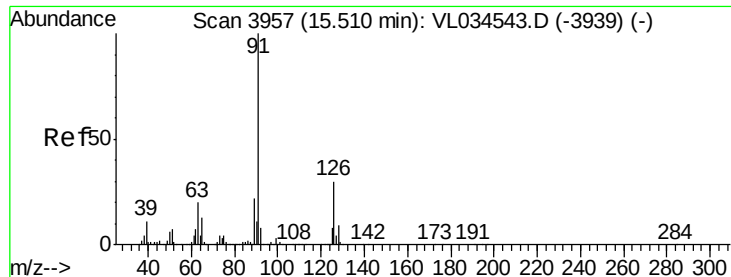
Abundance

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: 10.182 ppbv

RT: 15.51 min Scan# 3956

Delta R.T. -0.00 min

Lab File: VL034555.D

Acq: 2 Jan 2020 21:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 2513208

Ion Ratio Lower Upper

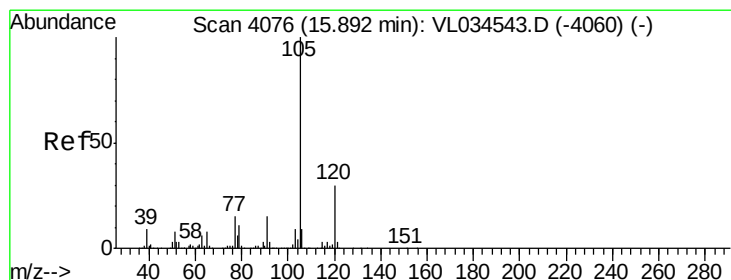
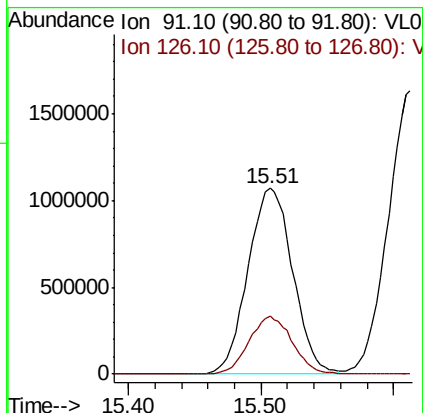
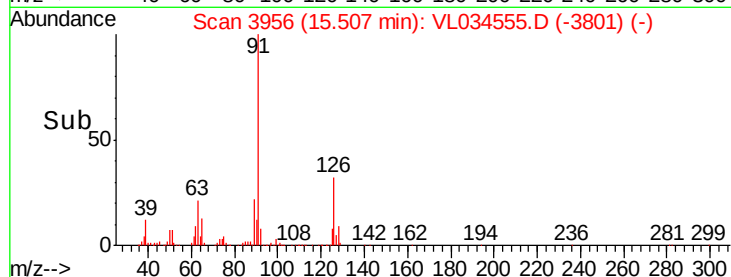
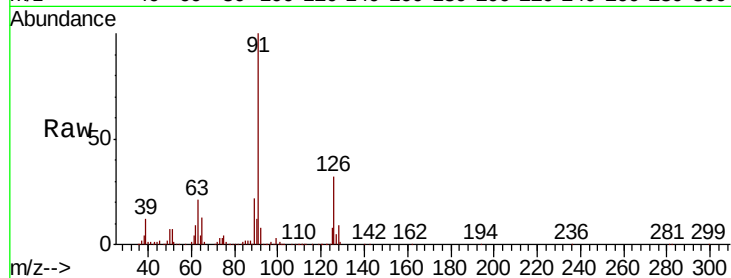
91 100

126 30.4 12.0 47.8

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#72

4-Ethyltoluene

Concen: 10.108 ppbv

RT: 15.89 min Scan# 4075

Delta R.T. -0.00 min

Lab File: VL034555.D

Acq: 2 Jan 2020 21:38

Tgt Ion: 105 Resp: 2748353

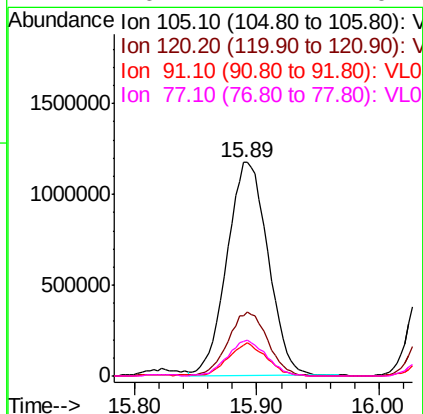
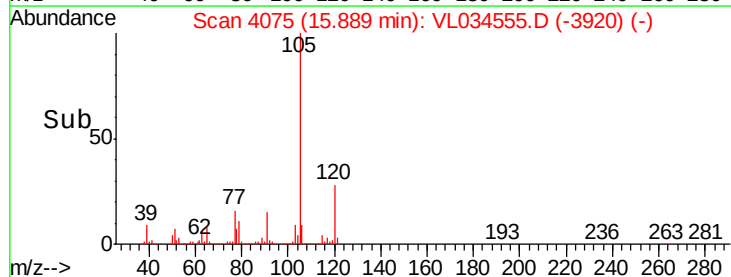
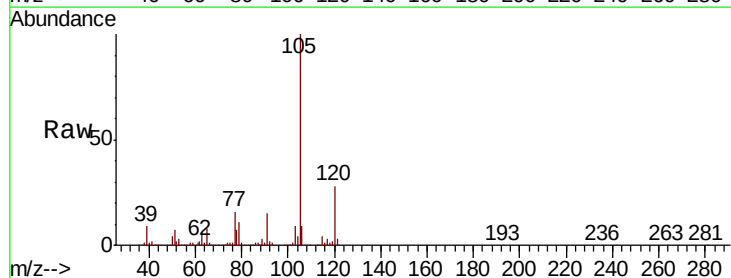
Ion Ratio Lower Upper

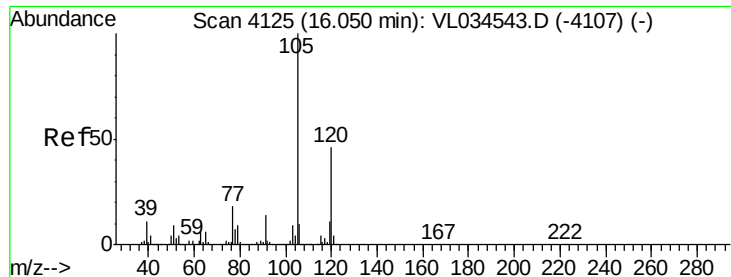
105 100

120 28.9 23.7 35.5

91 14.4 11.5 17.3

77 16.7 12.7 19.1





#73

1,3,5-Trimethylbenzene

Concen: 10.048 ppbv

RT: 16.05 min Scan# 4125

Delta R.T. -0.00 min

Lab File: VL034555.D

Acq: 2 Jan 2020 21:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 2680360

Ion Ratio Lower Upper

105 100

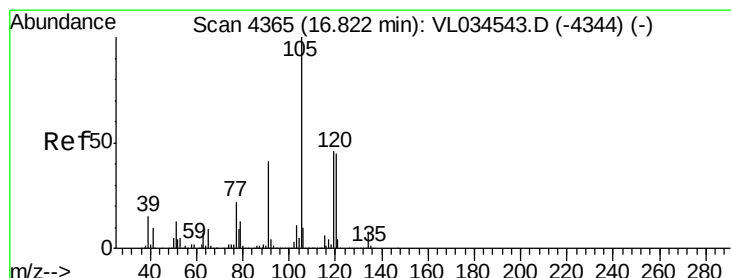
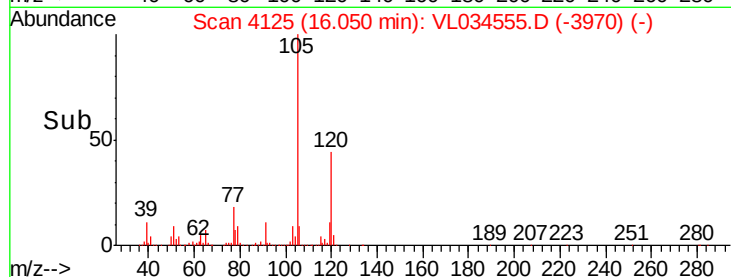
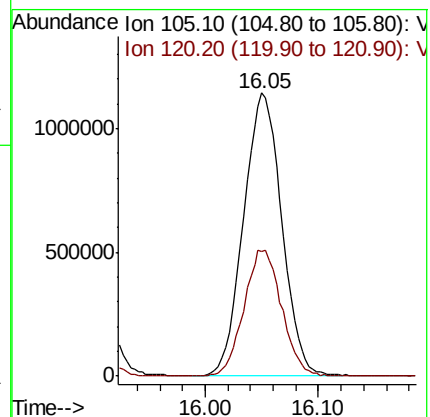
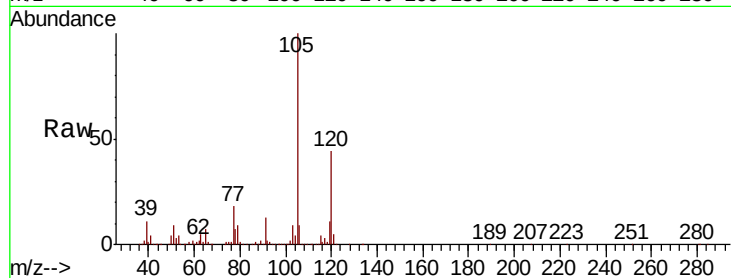
120 44.2 34.6 52.0

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#74

1,2,4-Trimethylbenzene

Concen: 9.974 ppbv

RT: 16.82 min Scan# 4364

Delta R.T. 0.00 min

Lab File: VL034555.D

Acq: 2 Jan 2020 21:38

Tgt Ion:105 Resp: 2846205

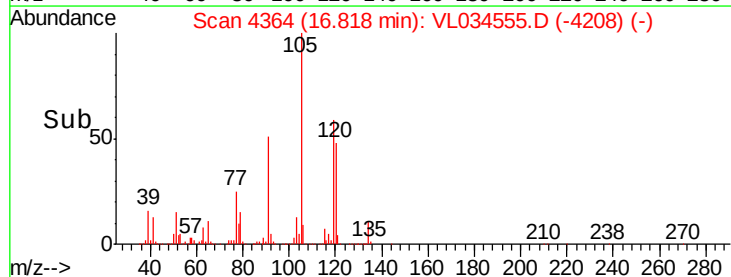
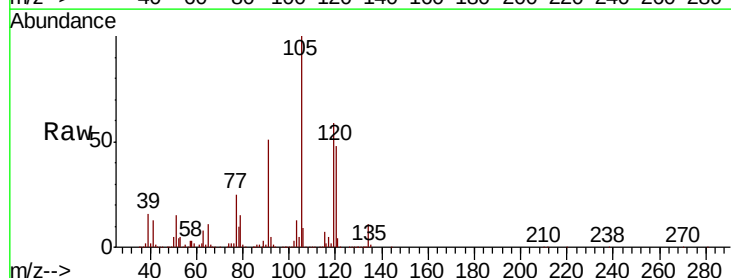
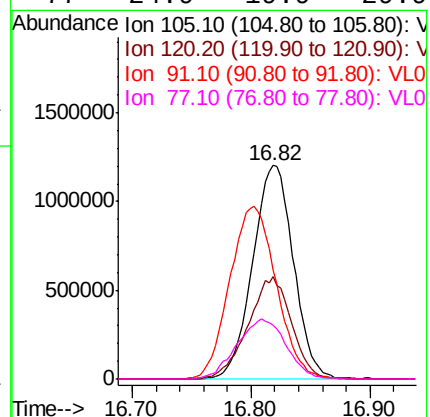
Ion Ratio Lower Upper

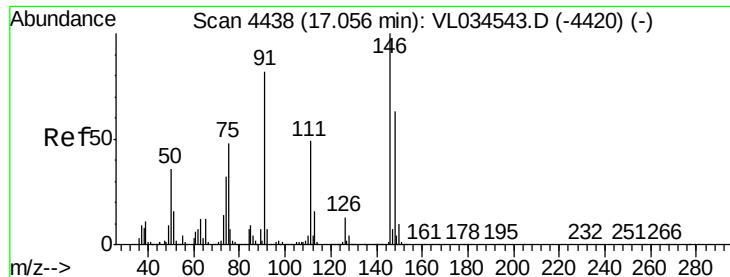
105 100

120 48.0 36.7 55.1

91 50.8 44.0 66.0

77 24.9 19.9 29.9





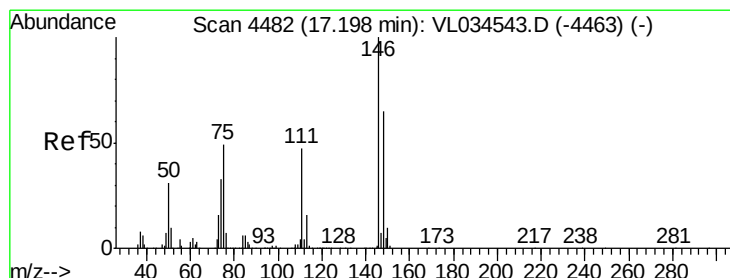
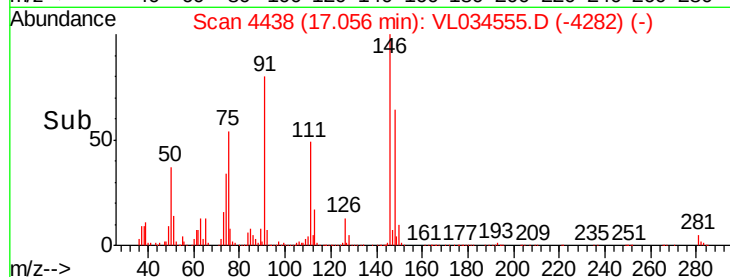
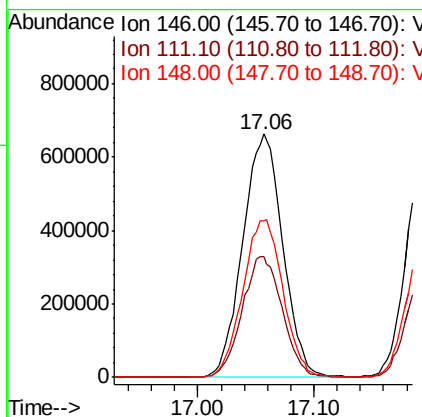
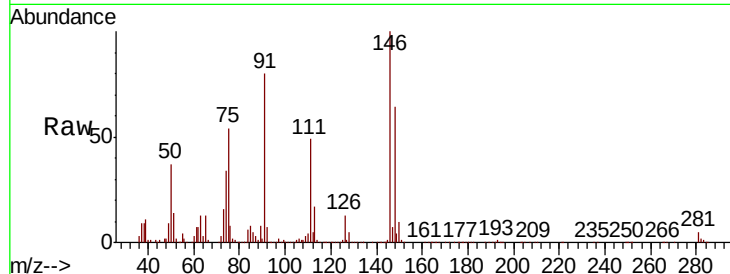
#75
 1,3-Dichlorobenzene
 Concen: 9.304 ppbv
 RT: 17.06 min Scan# 4438
 Delta R.T. 0.00 min
 Lab File: VL034555.D
 Acq: 2 Jan 2020 21:38

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:146 Resp: 1590229
 Ion Ratio Lower Upper
 146 100
 111 49.7 25.1 75.3
 148 65.1 33.0 99.0

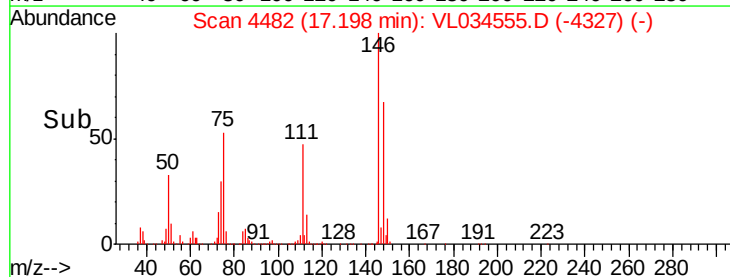
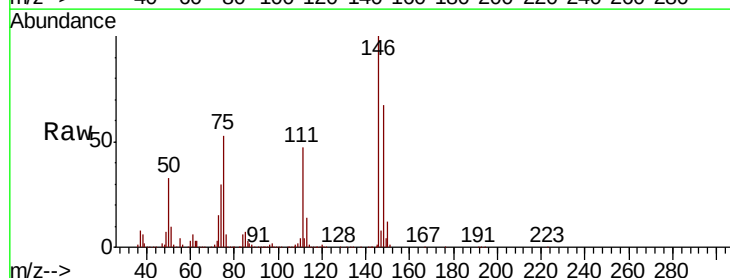
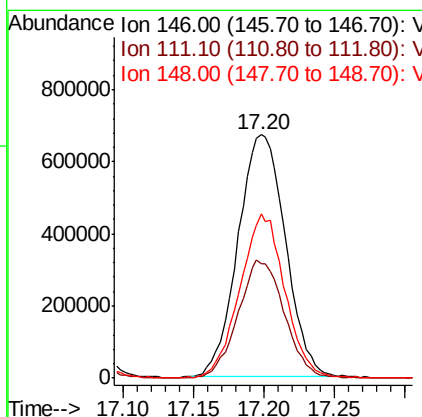
Manual Integrations
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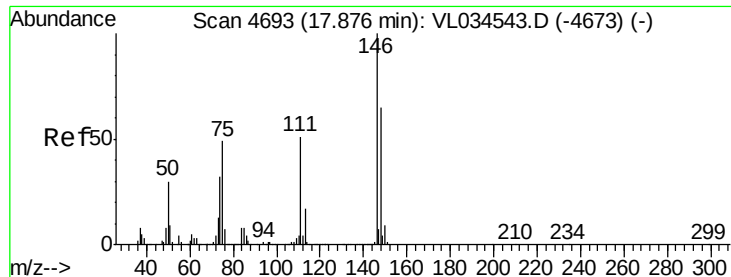
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#76
 1,4-Dichlorobenzene
 Concen: 9.603 ppbv
 RT: 17.20 min Scan# 4482
 Delta R.T. -0.00 min
 Lab File: VL034555.D
 Acq: 2 Jan 2020 21:38

Tgt Ion:146 Resp: 1580200
 Ion Ratio Lower Upper
 146 100
 111 47.6 23.5 70.6
 148 64.4 32.1 96.3





#77

1,2-Dichlorobenzene

Concen: 9.695 ppbv

RT: 17.88 min Scan# 4694

Delta R.T. 0.00 min

Lab File: VL034555.D

Acq: 2 Jan 2020 21:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:146 Resp: 1557369

Ion Ratio Lower Upper

146 100

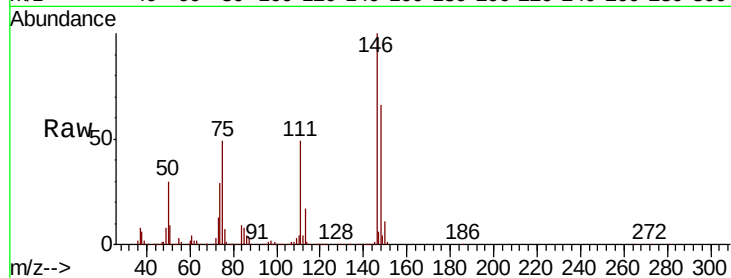
111 50.4 25.3 75.8

148 65.9 32.1 96.3

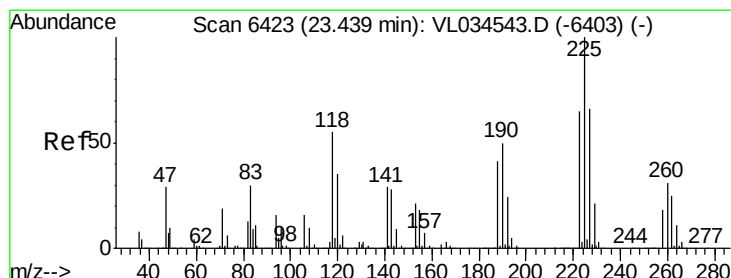
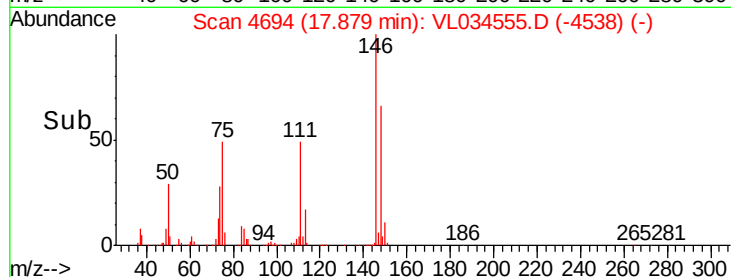
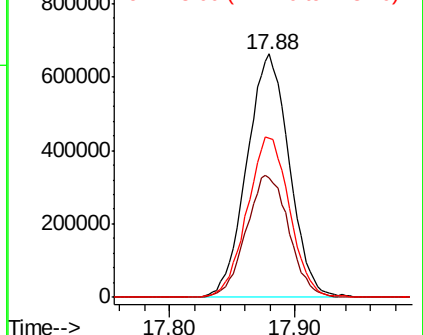
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Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.10 (110.80 to 111.80): V
Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 8.443 ppbv

RT: 23.44 min Scan# 6424

Delta R.T. 0.00 min

Lab File: VL034555.D

Acq: 2 Jan 2020 21:38

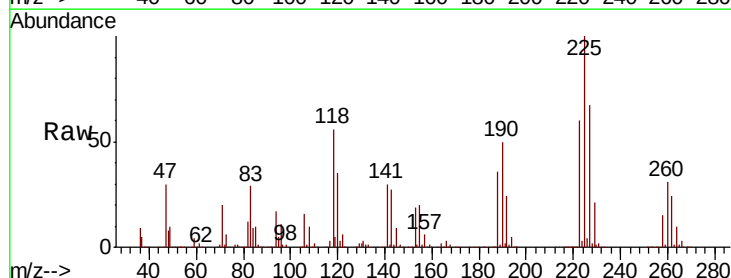
Tgt Ion:225 Resp: 1287360

Ion Ratio Lower Upper

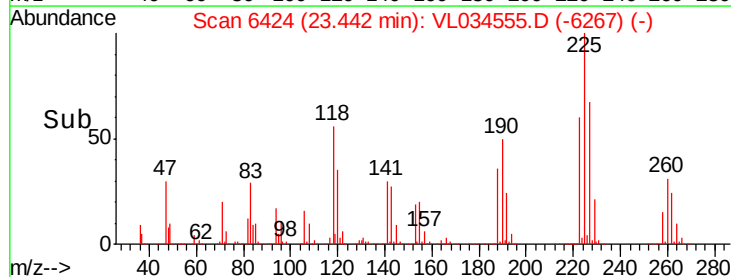
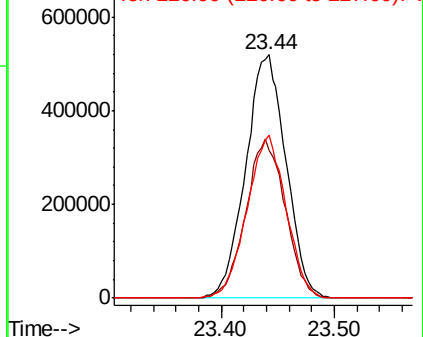
225 100

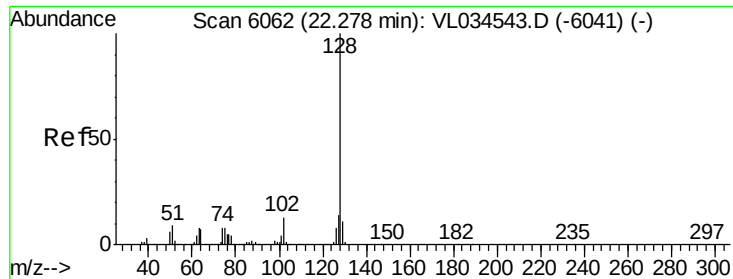
223 63.8 51.0 76.6

227 64.6 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





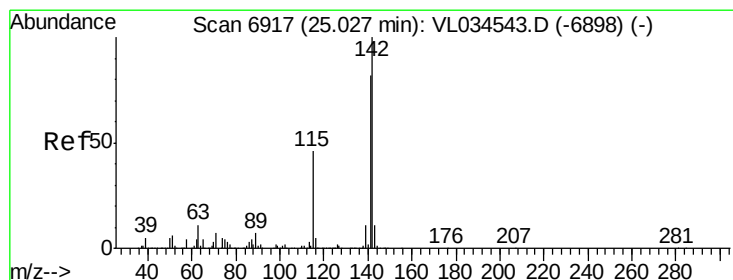
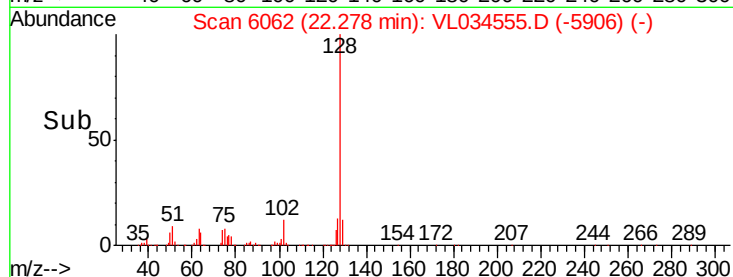
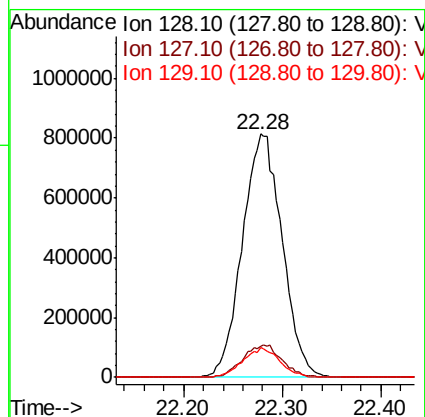
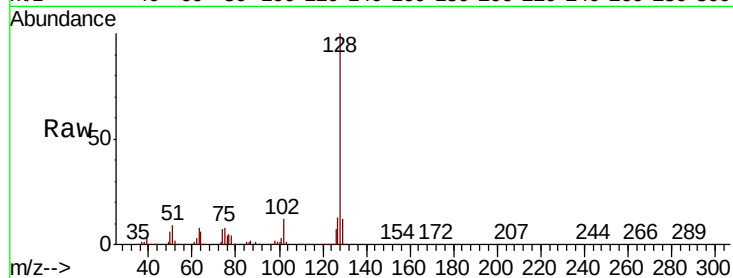
#79
Naphthalene
Concen: 10.568 ppbv
RT: 22.28 min Scan# 6062
Delta R.T. 0.00 min
Lab File: VL034555.D
Acq: 2 Jan 2020 21:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.6	15.8
129	12.4	8.7	13.1

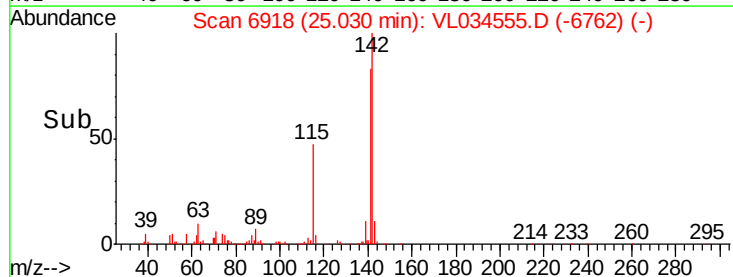
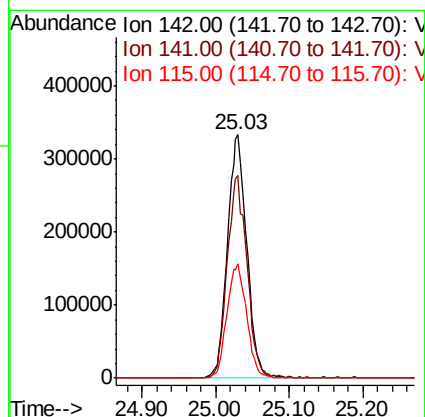
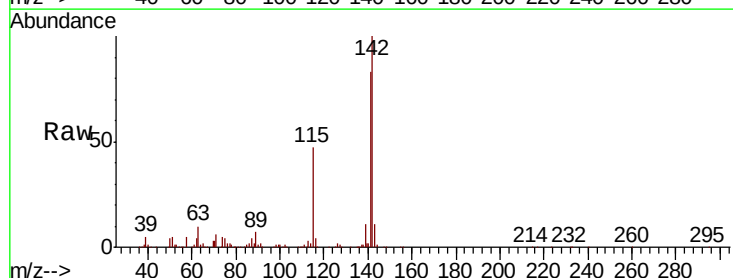
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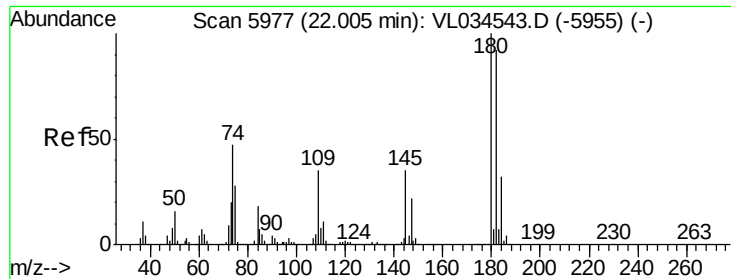
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#80
Naphthalene, 2-methyl-
Concen: 10.183 ppbv
RT: 25.03 min Scan# 6918
Delta R.T. 0.00 min
Lab File: VL034555.D
Acq: 2 Jan 2020 21:38

Tgt Ion	Ratio	Lower	Upper
142	100		
141	85.5	65.8	98.8
115	47.6	30.4	45.6





#81
 1,2,4-Trichlorobenzene
 Concen: 9.502 ppbv
 RT: 22.01 min Scan# 5978
 Delta R.T. 0.00 min
 Lab File: VL034555.D
 Acq: 2 Jan 2020 21:38

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	77.8	116.8
184	31.3	25.2	37.8

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