

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL010220\
 Data File : VL034543.D
 Acq On : 2 Jan 2020 11:04
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

apatel
 1/3/2020 11:37:42 AM

Quant Time: Jan 03 05:00:54 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	1001198	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2039852	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.13	117	2143187	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.47	95	1744670	9.76	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.02	85	1181970	7.486	ppbv 97
3) Chlorodifluoromethane	2.95	51	1093297	9.165	ppbv 99
4) Chloromethane	3.11	50	655563	9.252	ppbv 99
5) Vinyl Chloride	3.23	62	627119	9.038	ppbv 99
6) Bromomethane	3.45	94	332601	9.630	ppbv 100
7) Chloroethane	3.53	64	235087	9.723	ppbv 97
8) Dichlorotetrafluoroethane	3.16	85	1457163	9.202	ppbv 98
9) Propene	2.98	41	446183	9.702	ppbv 100
10) Heptane	8.15	43	1188272	10.005	ppbv 100
11) Trichlorofluoromethane	3.93	101	1715112	9.387	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1128665	9.712	ppbv 98
13) Ethanol	3.58	45	120445	9.439	ppbv 98
14) Bromoethene	3.72	108	463960	9.871	ppbv 100
15) Acetone	3.83	43	1208037	8.268	ppbv 98
16) 1,3-Butadiene	3.30	39	559725	9.960	ppbv 99
17) tert-Butyl alcohol	4.28	59	1202211	10.275	ppbv 99
18) 1,1-Dichloroethene	4.27	96	497019	9.818	ppbv 97
19) Isopropyl Alcohol	3.95	45	957461	10.122	ppbv 100
20) Methylene Chloride	4.33	84	440468	7.661	ppbv 98
21) Allyl Chloride	4.40	41	839451	9.996	ppbv 99
22) trans-1,2-Dichloroethene	4.88	96	527307	10.241	ppbv 99
23) Vinyl Acetate	5.07	43	1697008	10.060	ppbv 99
24) 1,1-Dichloroethane	5.01	63	1280661	9.450	ppbv 99
25) Ethyl Acetate	5.68	43	2174970	9.532	ppbv 100
26) Hexane	5.69	57	917592	9.543	ppbv 99
27) Carbon Disulfide	4.54	76	1312530	10.800	ppbv 98
28) Methyl tert-Butyl Ether	5.02	73	1650754	10.279	ppbv 99
29) Chloroform	5.76	83	1567093	9.420	ppbv 97
30) Cyclohexane	7.14	84	733502	10.264	ppbv 99
31) cis-1,2-Dichloroethene	5.55	61	999571	10.202	ppbv 99
32) 1,1,1-Trichloroethane	6.52	97	1628363	9.429	ppbv 100
34) 2-Butanone	5.24	43	1400537	9.608	ppbv 99
35) Carbon Tetrachloride	7.03	117	1727641	9.339	ppbv 100
36) Benzene	6.91	78	1751764	9.852	ppbv 99
37) 1,2-Dichloroethane	6.32	62	1378866	9.549	ppbv 100
38) Trichloroethene	7.86	130	731411	10.183	ppbv 97
39) 1,2-Dichloropropane	7.64	63	716954	9.806	ppbv 98
40) 1,4-Dioxane	7.85	88	294898	9.965	ppbv # 99
41) Tetrahydrofuran	6.05	42	772304	10.328	ppbv 99
42) Bromodichloromethane	7.82	83	1733996	9.759	ppbv 97
43) Methyl Methacrylate	8.03	69	749055	10.327	ppbv 100

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Manual Integrations
 APPROVED

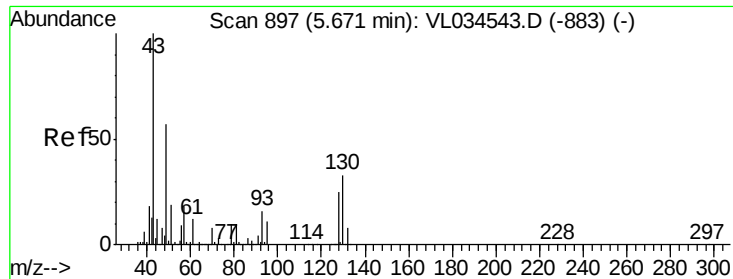
apatel
 1/3/2020 11:37:42 AM

Quant Time: Jan 03 05:00:54 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	3124764	9.500	ppbv	100
45) t-1,3-Dichloropropene	9.31	75	1056194	11.304	ppbv	99
46) cis-1,3-Dichloropropene	8.73	75	1178162	11.031	ppbv	97
47) 1,1,2-Trichloroethane	9.51	97	757660	9.400	ppbv	95
48) Dibromochloromethane	10.34	129	1460995	10.456	ppbv	99
49) Bromoform	13.09	173	1296130	10.247	ppbv	100
50) 4-Methyl-2-Pentanone	8.76	43	2061382	9.742	ppbv	100
51) 2-Hexanone	10.16	43	1722935	10.087	ppbv #	100
52) Tetrachloroethene	11.26	164	666162	9.600	ppbv	95
53) Toluene	9.84	91	2028214	10.382	ppbv	100
54) 1,2-Dibromoethane	10.65	107	1158194	9.875	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.17	131	966307	9.340	ppbv	98
57) Chlorobenzene	12.19	112	1607017	9.089	ppbv	97
58) Ethyl Benzene	12.75	91	2833545	9.803	ppbv	96
59) m/p-Xylene	13.04	91	4710710m	18.638	ppbv	
60) o-Xylene	13.74	91	2402254	9.472	ppbv	100
61) Styrene	13.58	104	1742318	10.048	ppbv	100
62) Isopropylbenzene	14.72	105	3098928	9.341	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.73	83	1676680	8.241	ppbv	100
64) n-propylbenzene	15.61	120	796318	9.400	ppbv	95
65) tert-Butylbenzene	16.80	119	2803668	9.354	ppbv	100
66) Benzyl Chloride	17.05	91	1409499	10.730	ppbv	100
67) sec-Butylbenzene	17.35	105	3815121	9.064	ppbv	100
69) p-Isopropyltoluene	17.71	119	3183603	9.326	ppbv	99
70) n-Butylbenzene	18.61	91	3362311	9.128	ppbv	100
71) 2-Chlorotoluene	15.51	91	2404259	9.332	ppbv	99
72) 4-Ethyltoluene	15.89	105	2679326	9.441	ppbv	100
73) 1,3,5-Trimethylbenzene	16.05	105	2631024	9.449	ppbv	96
74) 1,2,4-Trimethylbenzene	16.82	105	2742183	9.206	ppbv #	91
75) 1,3-Dichlorobenzene	17.06	146	1548532	8.680	ppbv	98
76) 1,4-Dichlorobenzene	17.20	146	1541875	8.977	ppbv	99
77) 1,2-Dichlorobenzene	17.88	146	1468578	8.759	ppbv	99
78) Hexachloro-1,3-Butadiene	23.44	225	1362479	8.561	ppbv	100
79) Naphthalene	22.28	128	2503115	11.157	ppbv	99
80) Naphthalene, 2-methyl-	25.03	142	1366267	21.984	ppbv #	93
81) 1,2,4-Trichlorobenzene	22.00	180	1497525	10.252	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. -0.00 min

Lab File: VL034543.D

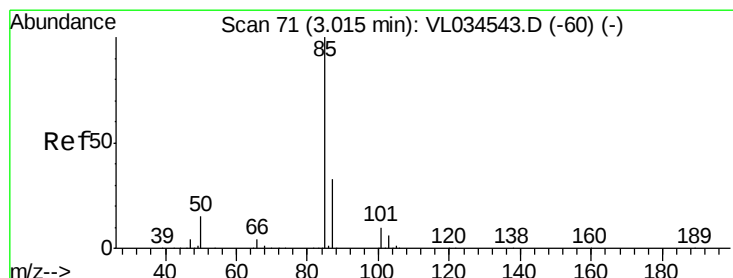
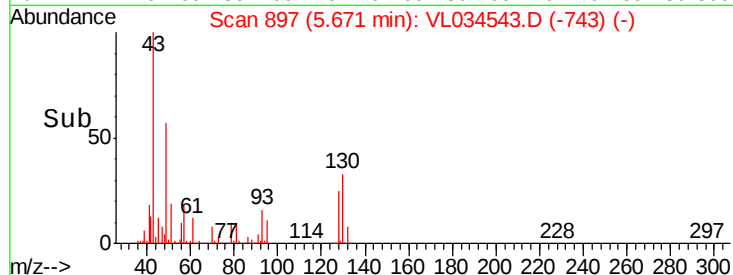
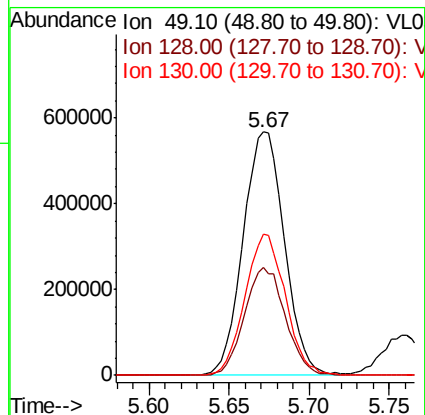
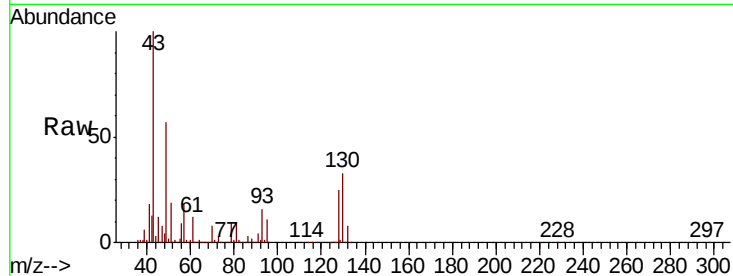
Acq: 2 Jan 2020 11:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 49 Resp: 1001198
Ion Ratio Lower Upper
49 100
128 43.7 22.4 67.2
130 56.8 28.3 85.0

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#2

Dichlorodifluoromethane

Concen: 7.486 ppbv

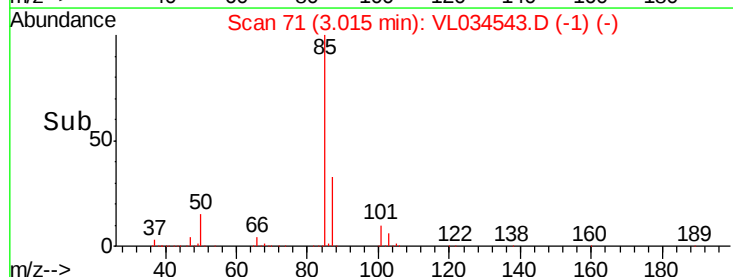
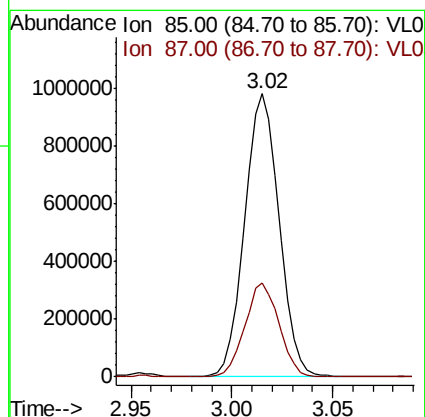
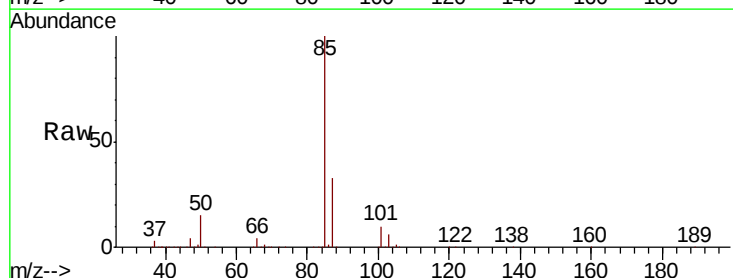
RT: 3.02 min Scan# 71

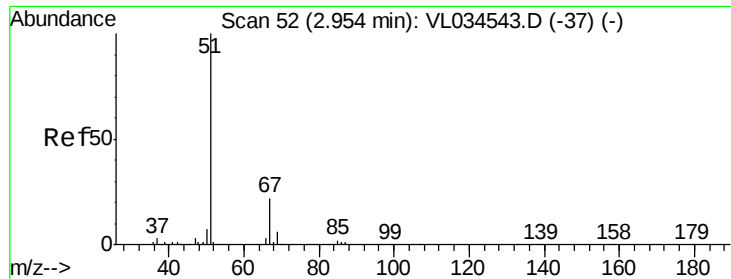
Delta R.T. -0.00 min

Lab File: VL034543.D

Acq: 2 Jan 2020 11:04

Tgt Ion: 85 Resp: 1181970
Ion Ratio Lower Upper
85 100
87 33.4 27.9 41.9





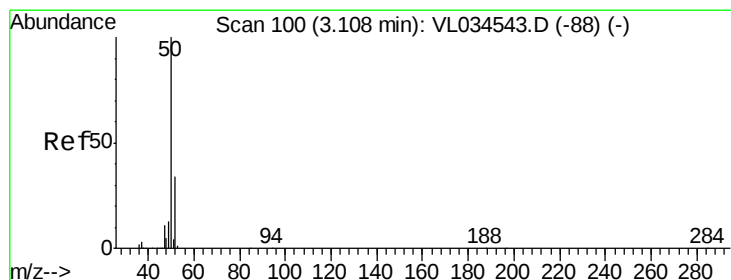
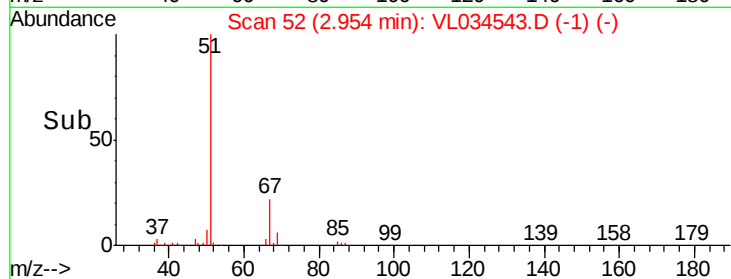
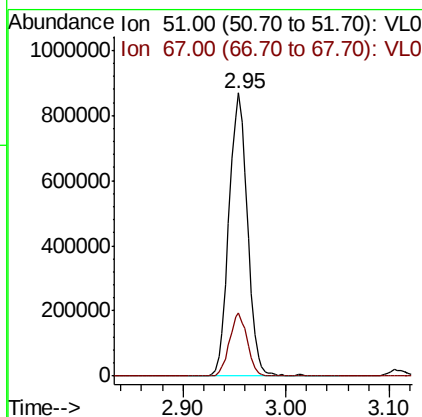
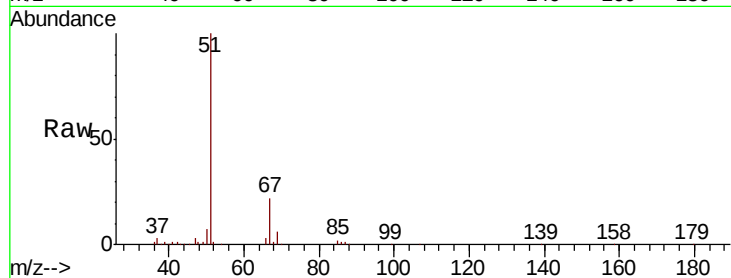
#3
 Chlorodifluoromethane
 Concen: 9.165 ppbv
 RT: 2.95 min Scan# 52
 Delta R.T. -0.00 min
 Lab File: VL034543.D
 Acq: 2 Jan 2020 11:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 51 Resp: 1093297
 Ion Ratio Lower Upper
 51 100
 67 21.5 16.8 25.2

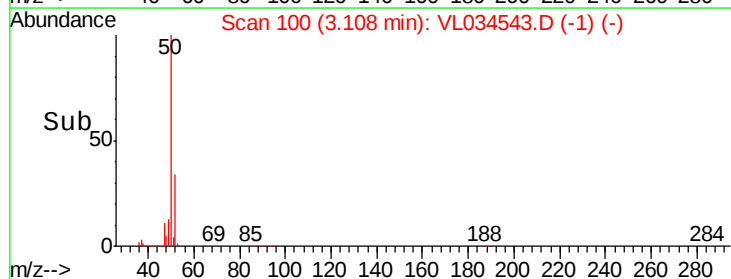
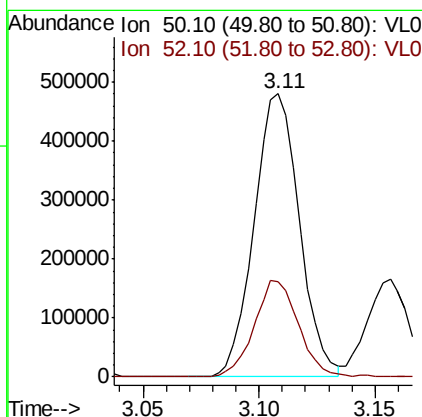
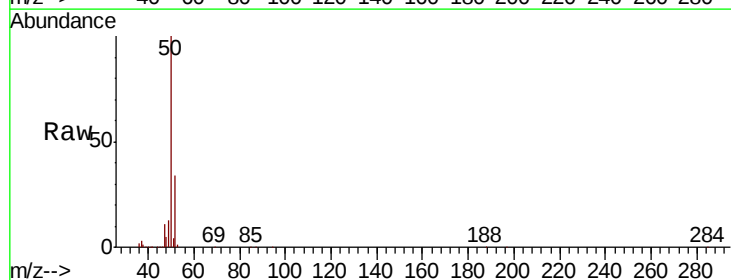
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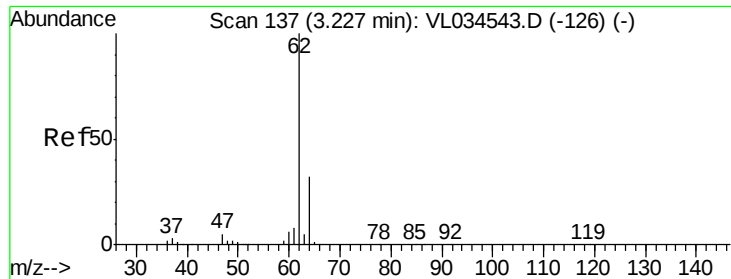
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#4
 Chloromethane
 Concen: 9.252 ppbv
 RT: 3.11 min Scan# 100
 Delta R.T. -0.00 min
 Lab File: VL034543.D
 Acq: 2 Jan 2020 11:04

Tgt Ion: 50 Resp: 655563
 Ion Ratio Lower Upper
 50 100
 52 33.7 27.6 41.4





#5

Vinyl Chloride

Concen: 9.038 ppbv

RT: 3.23 min Scan# 137

Delta R.T. -0.00 min

Lab File: VL034543.D

Acq: 2 Jan 2020 11:04

Instrument :

MSVOA_L

ClientSampleID :

VSTDCCC010

Tot Ion: 62 Resp: 627119

Ion Ratio Lower Upper

62 100

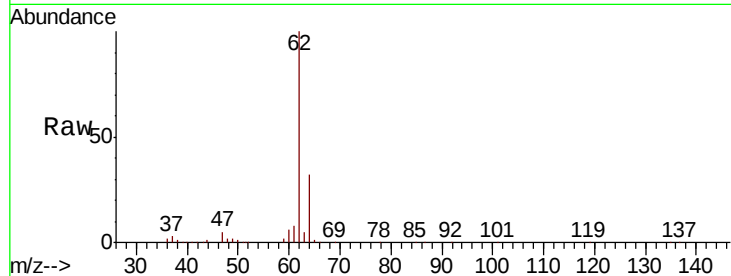
64 31.7 24.9 37.3

Manual Integrations

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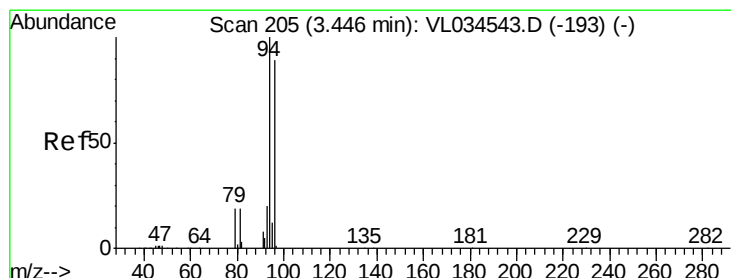
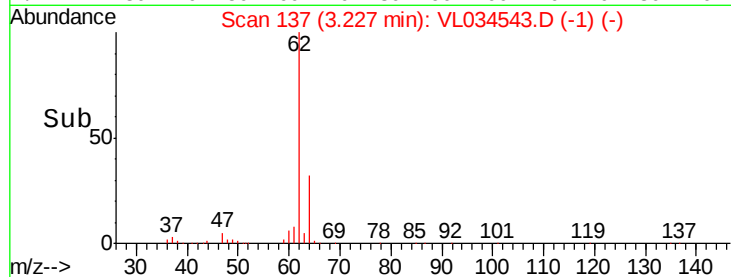
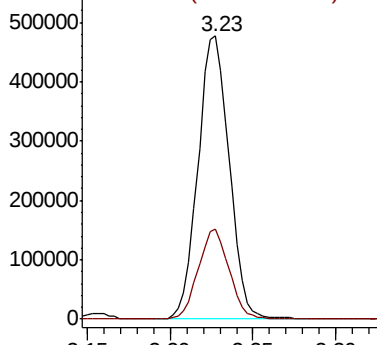
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.630 ppbv

RT: 3.45 min Scan# 205

Delta R.T. -0.00 min

Lab File: VL034543.D

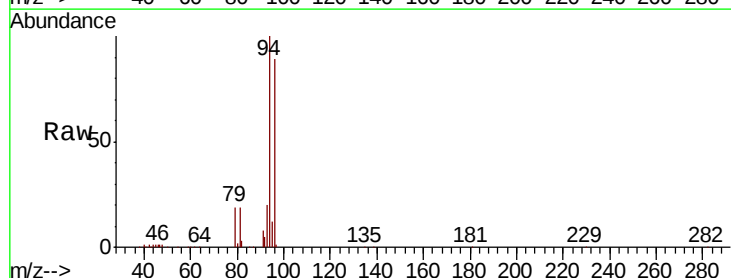
Acq: 2 Jan 2020 11:04

Tgt Ion: 94 Resp: 332601

Ion Ratio Lower Upper

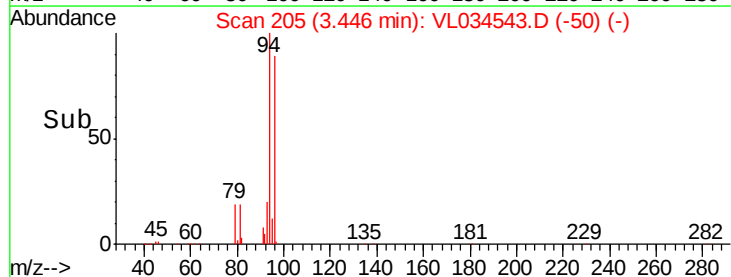
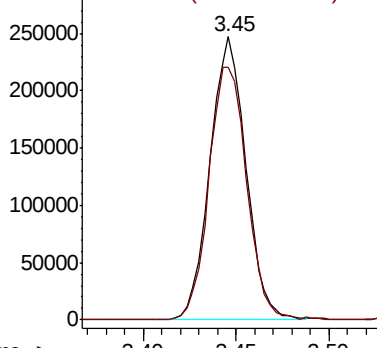
94 100

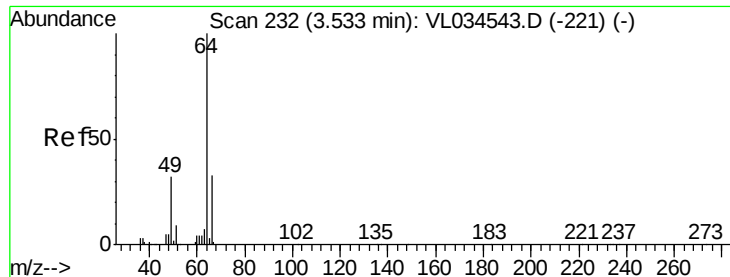
96 89.4 71.2 106.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.723 ppbv

RT: 3.53 min Scan# 232

Delta R.T. -0.00 min

Lab File: VL034543.D

Acq: 2 Jan 2020 11:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 64 Resp: 235087

Ion Ratio Lower Upper

64 100

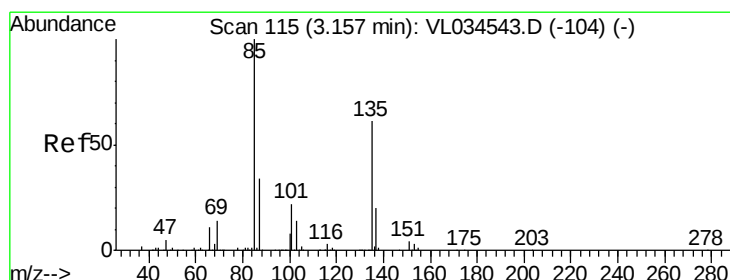
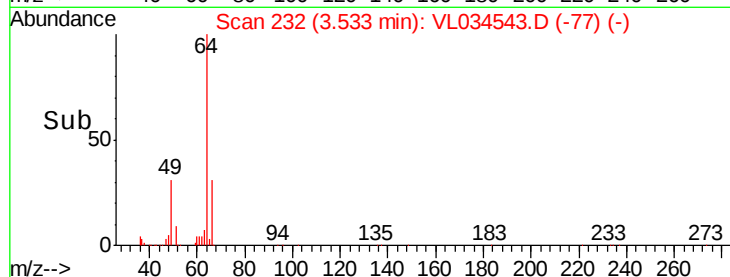
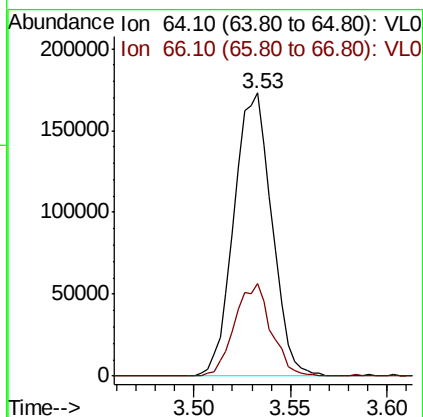
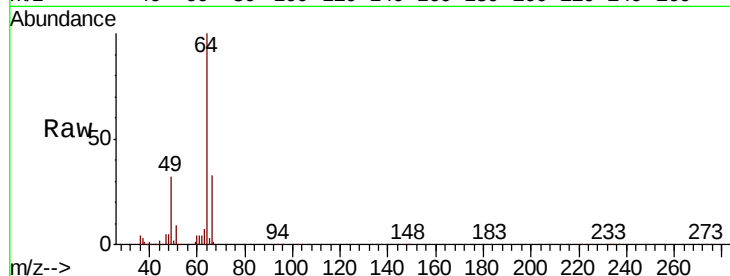
66 32.9 25.0 37.4

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#8

Dichlorotetrafluoroethane

Concen: 9.202 ppbv

RT: 3.16 min Scan# 115

Delta R.T. -0.00 min

Lab File: VL034543.D

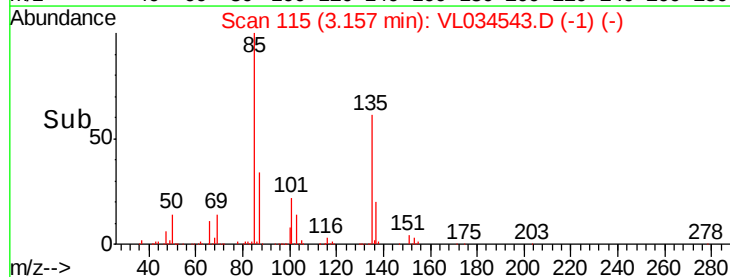
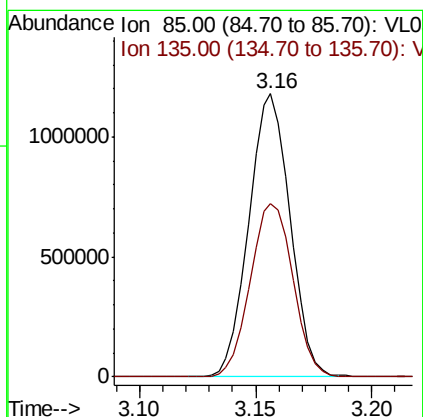
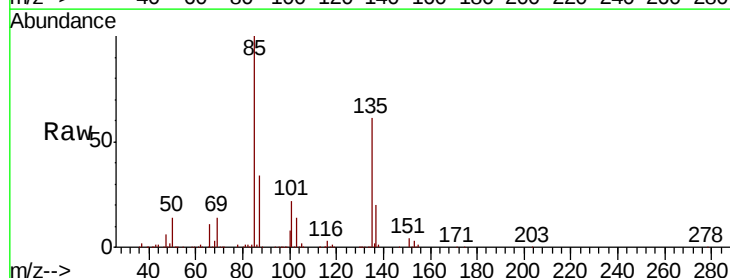
Acq: 2 Jan 2020 11:04

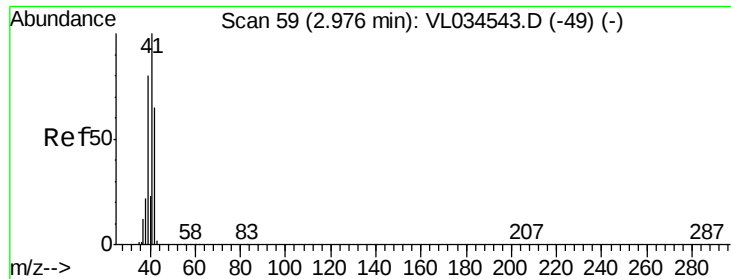
Tgt Ion: 85 Resp: 1457163

Ion Ratio Lower Upper

85 100

135 63.5 51.8 77.8





#9

Propene

Concen: 9.702 ppbv

RT: 2.98 min Scan# 59

Delta R.T. -0.00 min

Lab File: VL034543.D

Acq: 2 Jan 2020 11:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 41 Resp: 446183

Ion Ratio Lower Upper

41 100

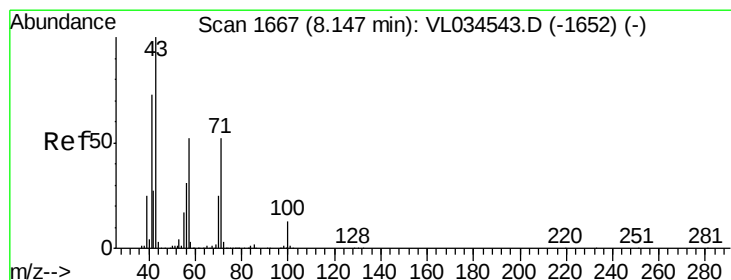
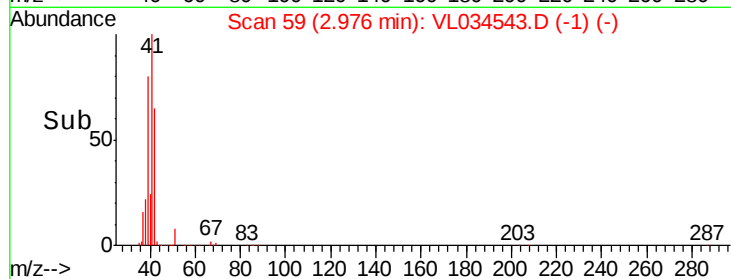
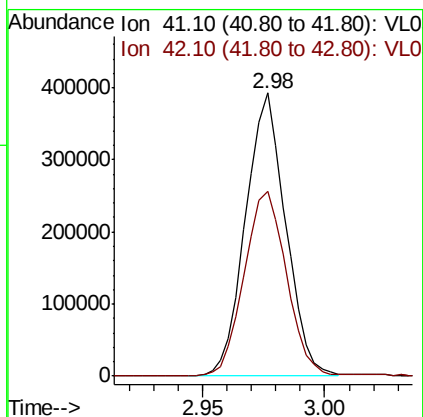
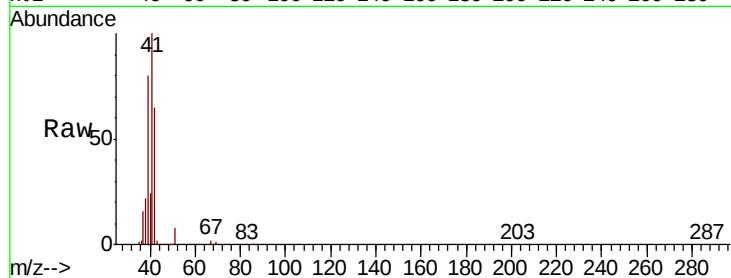
42 70.1 55.8 83.6

Manual Integrations

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#10

Heptane

Concen: 10.005 ppbv

RT: 8.15 min Scan# 1667

Delta R.T. -0.00 min

Lab File: VL034543.D

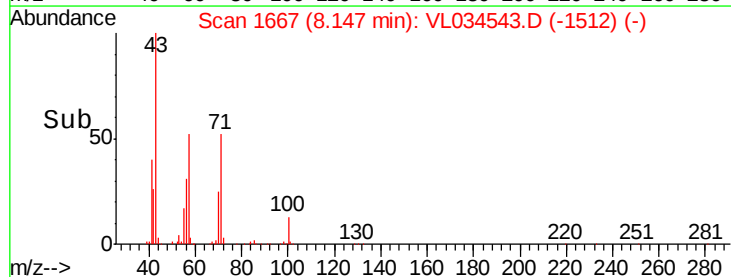
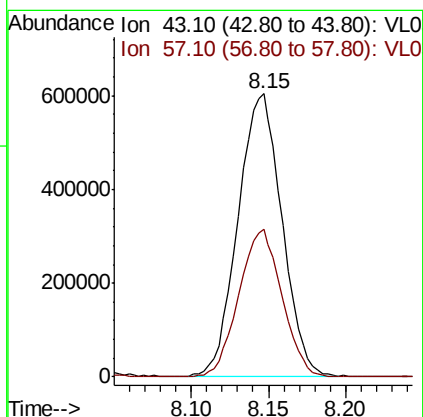
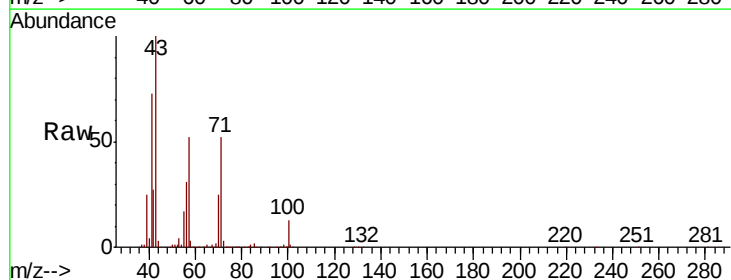
Acq: 2 Jan 2020 11:04

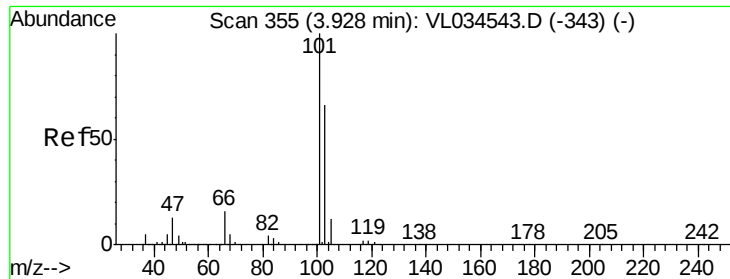
Tgt Ion: 43 Resp: 1188272

Ion Ratio Lower Upper

43 100

57 51.2 41.0 61.6





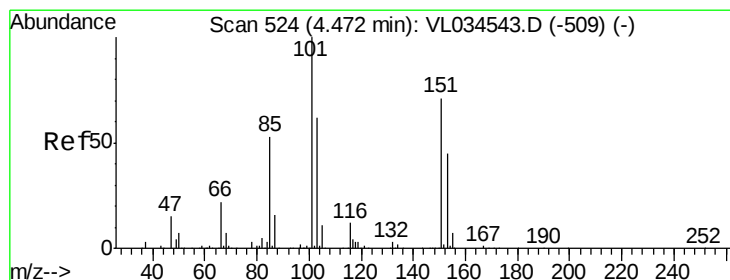
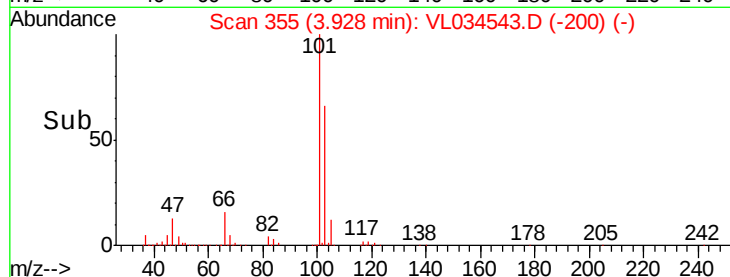
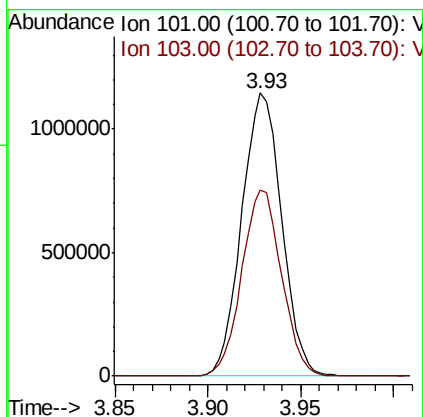
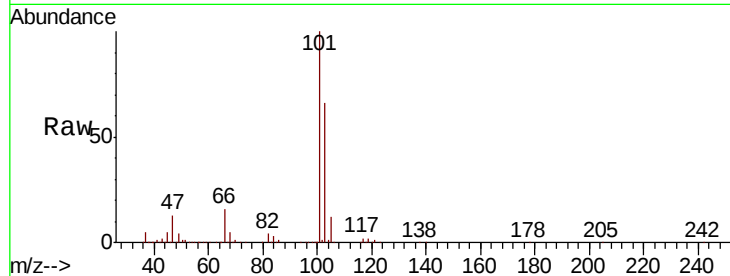
#11
 Trichlorofluoromethane
 Concen: 9.387 ppbv
 RT: 3.93 min Scan# 355
 Delta R.T. -0.00 min
 Lab File: VL034543.D
 Acq: 2 Jan 2020 11:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:101 Resp: 1715112
 Ion Ratio Lower Upper
 101 100
 103 65.7 52.1 78.1

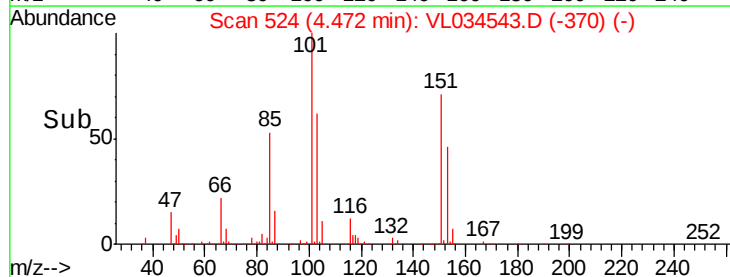
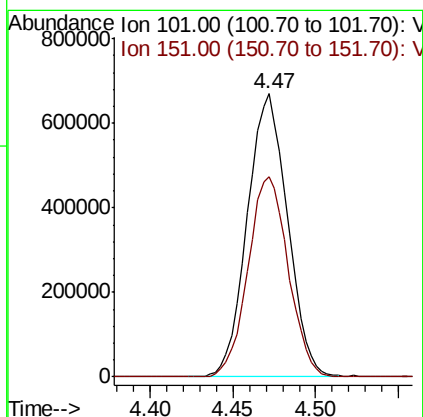
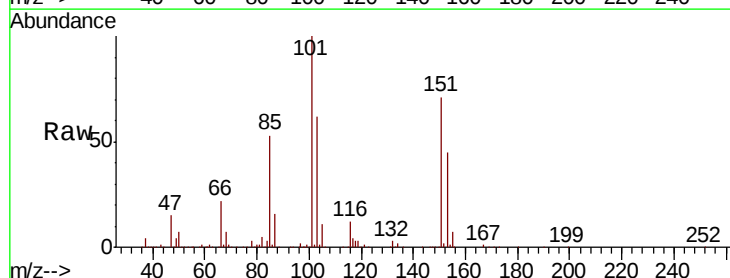
Manual Integrations
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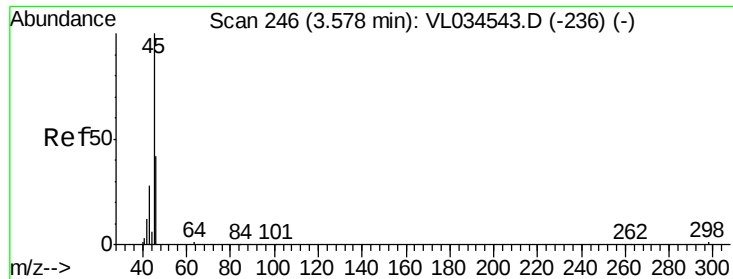
apatel
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.712 ppbv
 RT: 4.47 min Scan# 524
 Delta R.T. -0.00 min
 Lab File: VL034543.D
 Acq: 2 Jan 2020 11:04

Tgt Ion:101 Resp: 1128665
 Ion Ratio Lower Upper
 101 100
 151 70.8 57.8 86.6





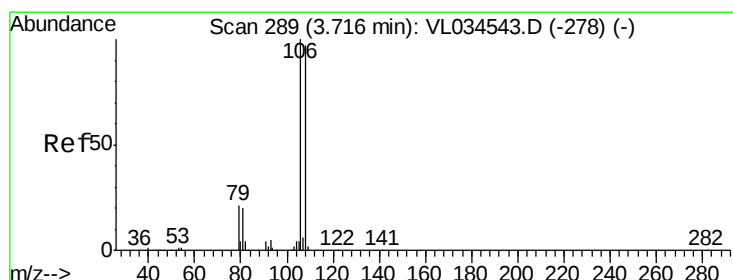
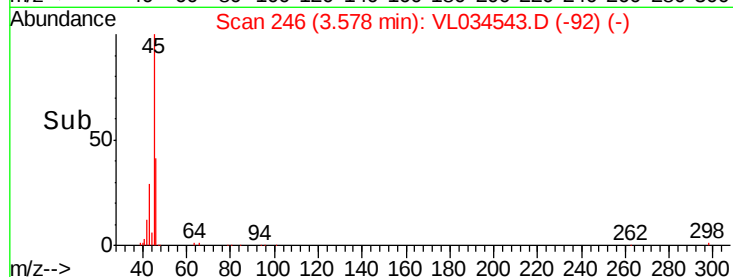
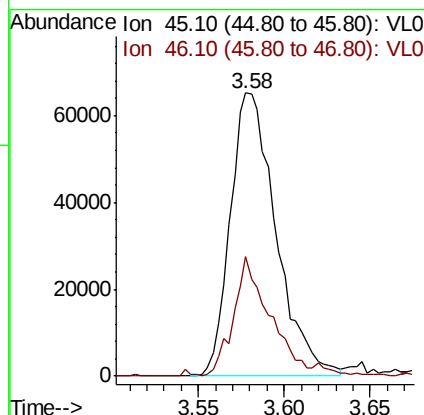
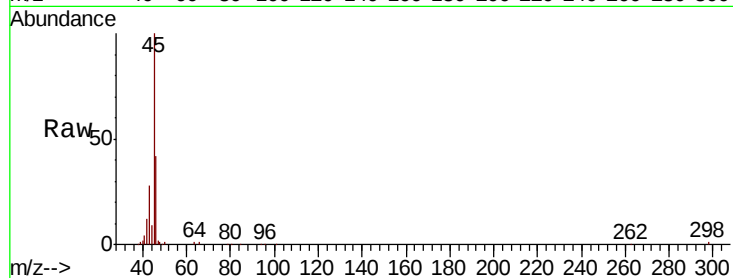
#13
Ethanol
Concen: 9.439 ppbv
RT: 3.58 min Scan# 246
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
45	100		
46	36.3	14.9	59.7

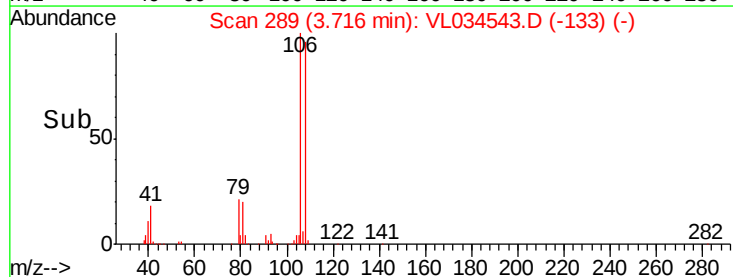
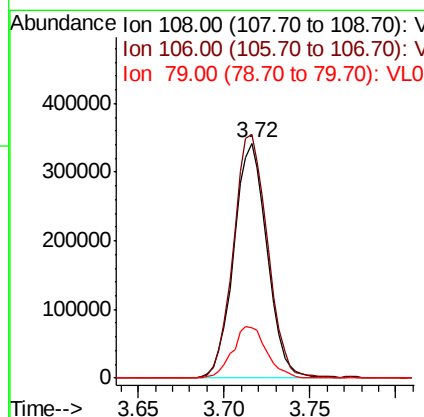
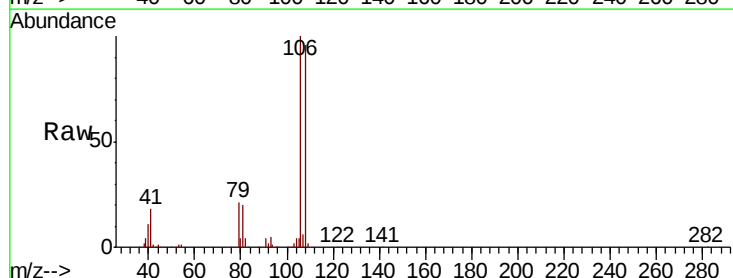
Manual Integrations
APPROVED

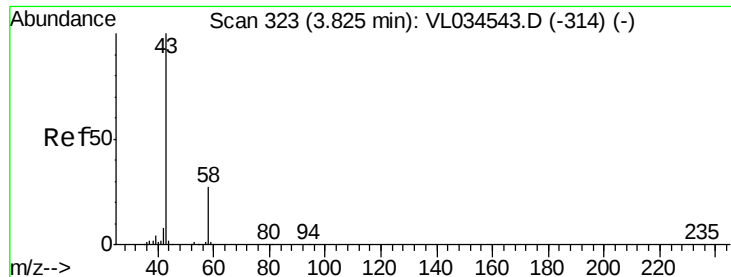
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#14
Bromoethene
Concen: 9.871 ppbv
RT: 3.72 min Scan# 289
Delta R.T. 0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Tgt Ion	Ratio	Lower	Upper
108	100		
106	106.5	85.2	127.8
79	22.6	17.4	26.2





#15

Acetone

Concen: 8.268 ppbv

RT: 3.83 min Scan# 323

Delta R.T. -0.00 min

Lab File: VL034543.D

Acq: 2 Jan 2020 11:04

Tot Ion: 43 Resp: 1208037

Ion Ratio Lower Upper

43 100

58 26.5 20.4 30.6

Instrument :

MSVOA_L

ClientSampleId :

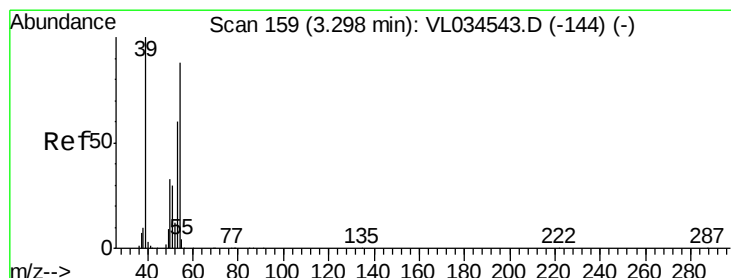
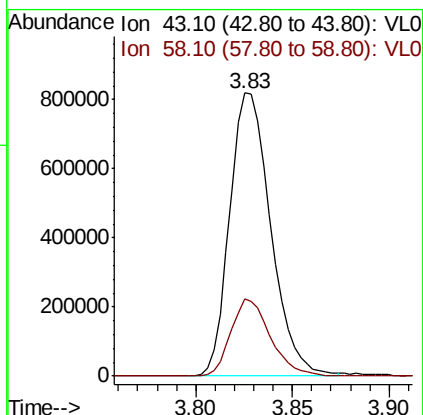
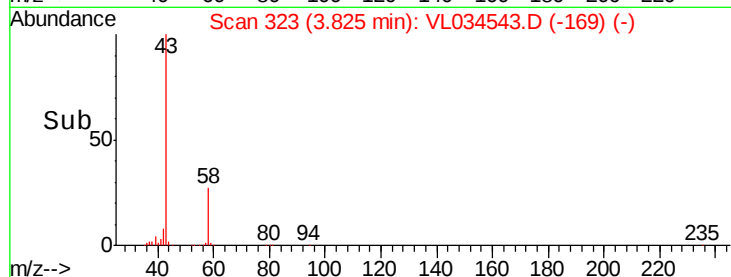
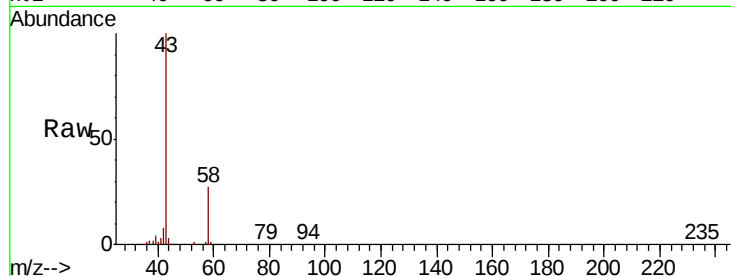
VSTDCCC010

Manual Integrations

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#16

1,3-Butadiene

Concen: 9.960 ppbv

RT: 3.30 min Scan# 159

Delta R.T. -0.00 min

Lab File: VL034543.D

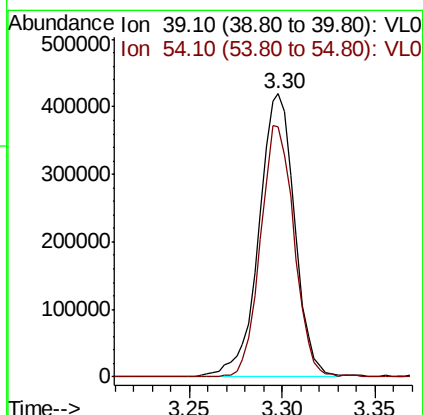
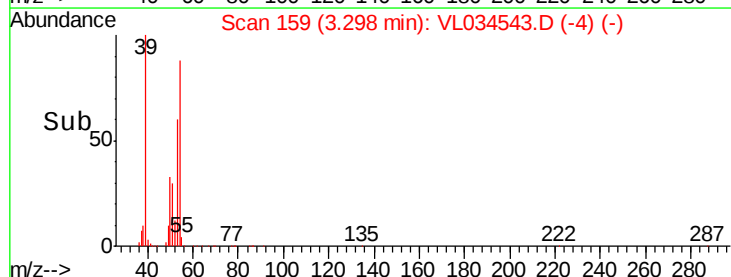
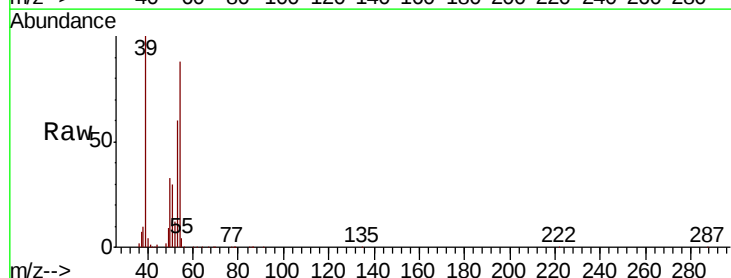
Acq: 2 Jan 2020 11:04

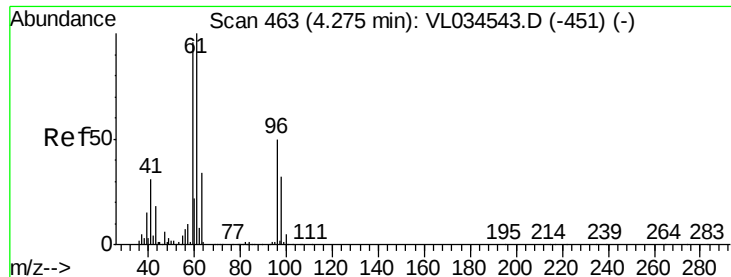
Tgt Ion: 39 Resp: 559725

Ion Ratio Lower Upper

39 100

54 83.8 66.2 99.2





#17

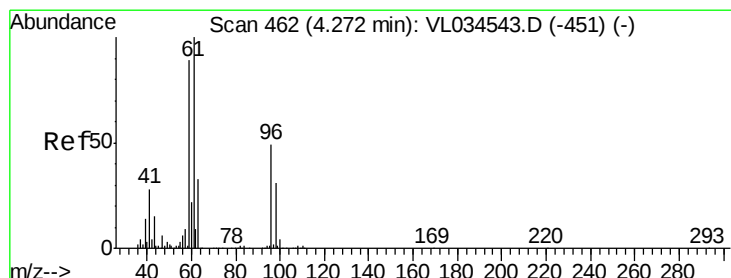
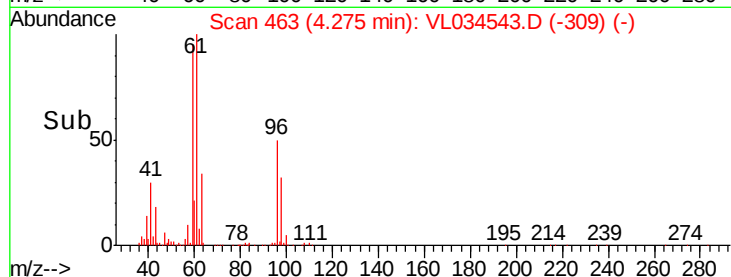
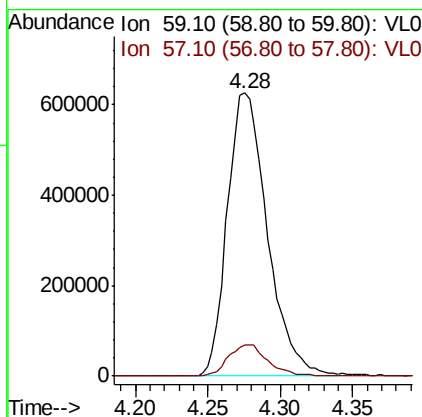
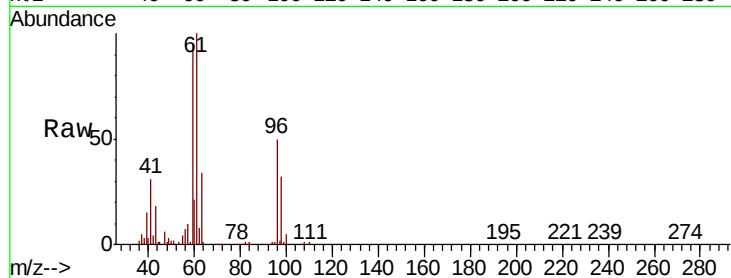
tert-Butyl alcohol
Concen: 10.275 ppbv
RT: 4.28 min Scan# 463
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	59	Resp	1202211
Ion	Ratio	Lower	Upper
59	100		
57	11.1	8.6	12.8

Manual Integrations
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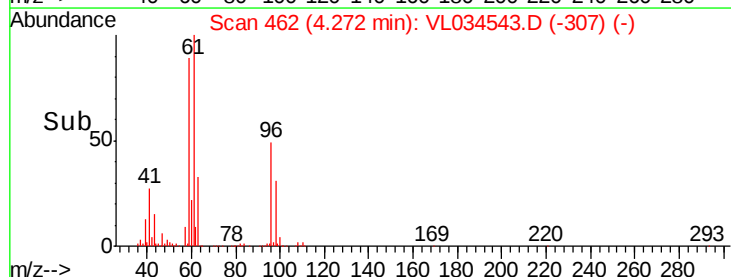
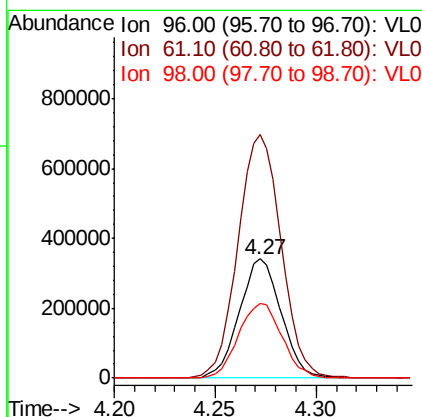
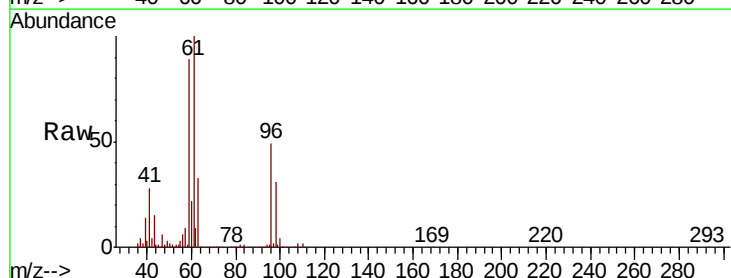
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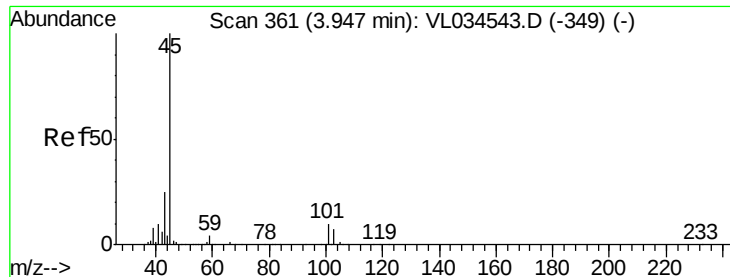


#18

1,1-Dichloroethene
Concen: 9.818 ppbv
RT: 4.27 min Scan# 462
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Tgt Ion	96	Resp	497019
Ion	Ratio	Lower	Upper
96	100		
61	203.7	165.9	248.9
98	62.6	51.9	77.9





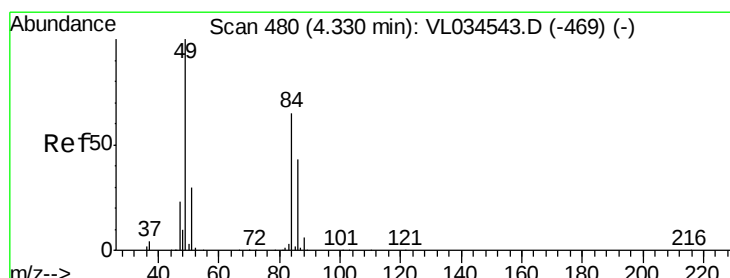
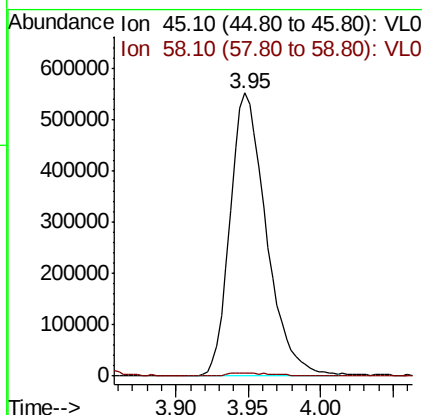
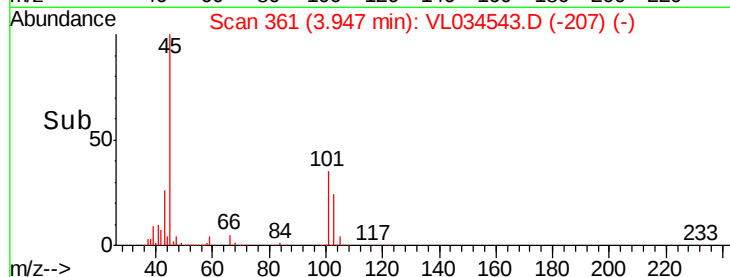
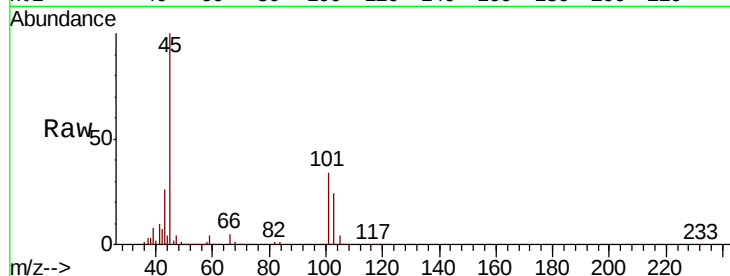
#19
Isopropyl Alcohol
Concen: 10.122 ppbv
RT: 3.95 min Scan# 361
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 45 Resp: 957461
Ion Ratio Lower Upper
45 100
58 1.5 1.4 2.0

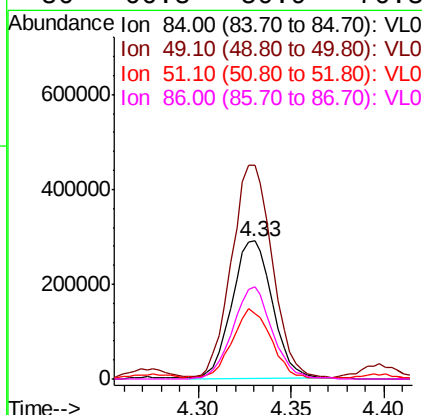
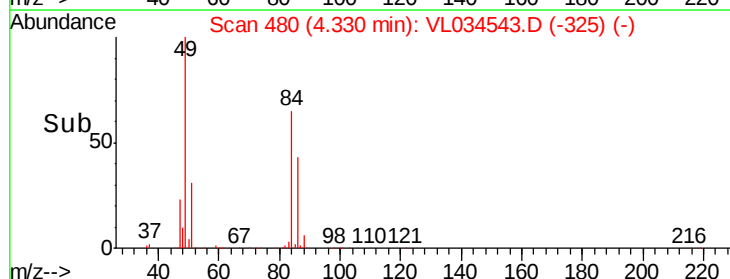
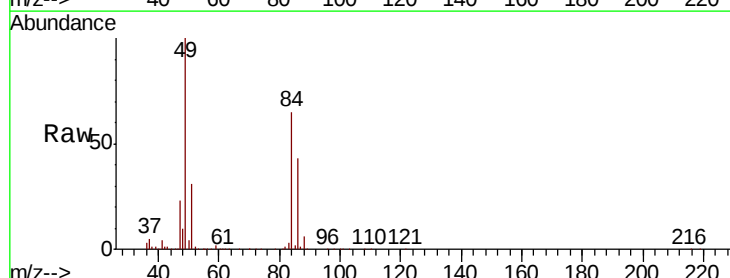
Manual Integrations
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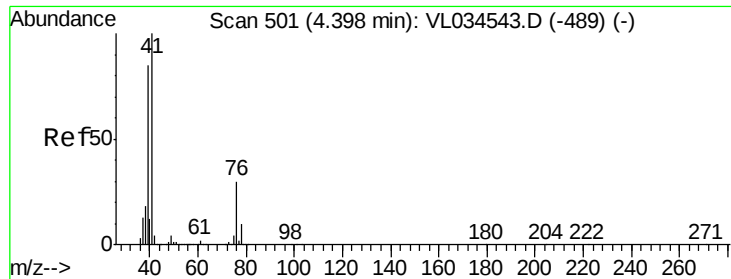
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#20
Methylene Chloride
Concen: 7.661 ppbv
RT: 4.33 min Scan# 480
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Tgt Ion: 84 Resp: 440468
Ion Ratio Lower Upper
84 100
49 153.8 124.4 186.6
51 47.0 37.0 55.6
86 66.8 50.9 76.3





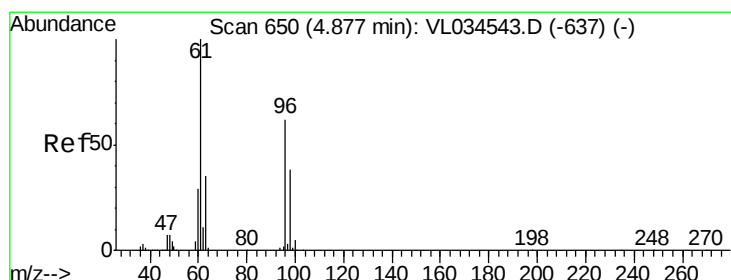
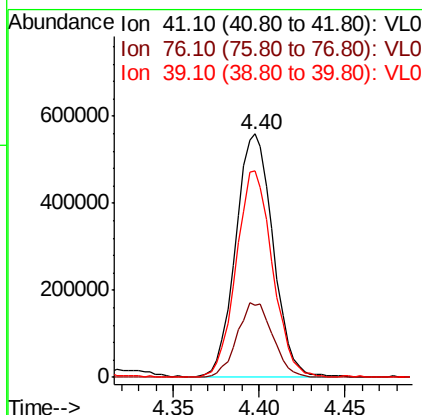
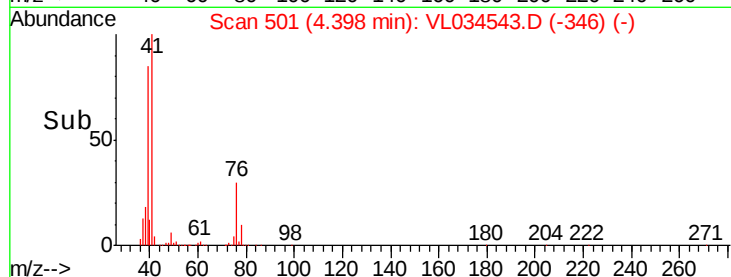
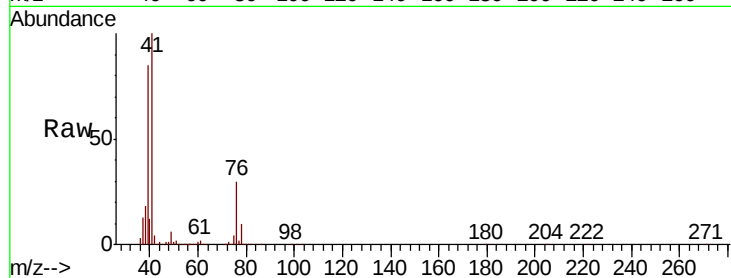
#21
Allvl Chloride
Concen: 9.996 ppbv
RT: 4.40 min Scan# 501
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
41	100		
76	29.7	24.2	36.4
39	83.6	65.8	98.6

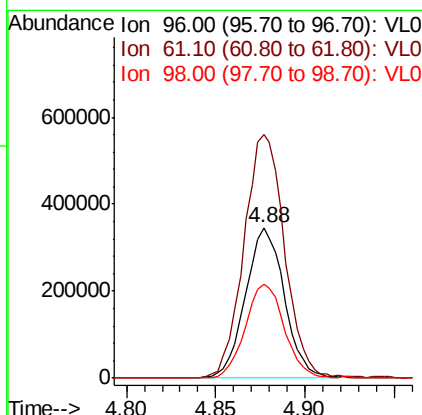
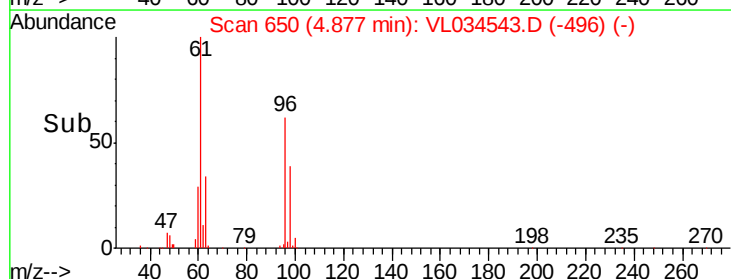
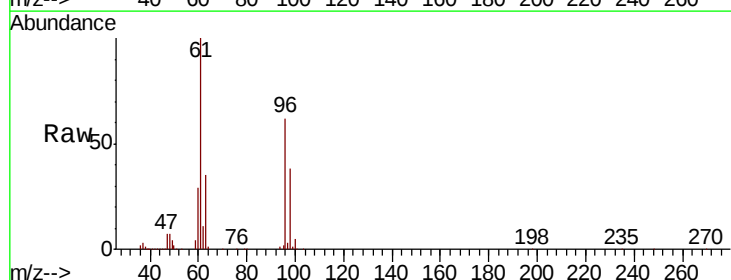
Manual Integrations
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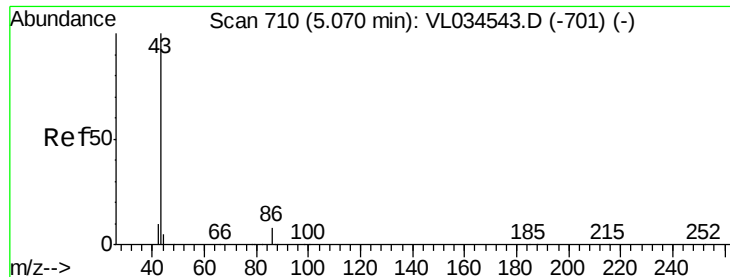
apatel
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#22
trans-1,2-Dichloroethene
Concen: 10.241 ppbv
RT: 4.88 min Scan# 650
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.9	128.4	192.6
98	62.1	50.6	75.8





#23

Vinyl Acetate

Concen: 10.060 ppbv

RT: 5.07 min Scan# 710

Delta R.T. -0.00 min

Lab File: VL034543.D

Acq: 2 Jan 2020 11:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1697008

Ion Ratio Lower Upper

43 100

86 7.2 5.4 8.2

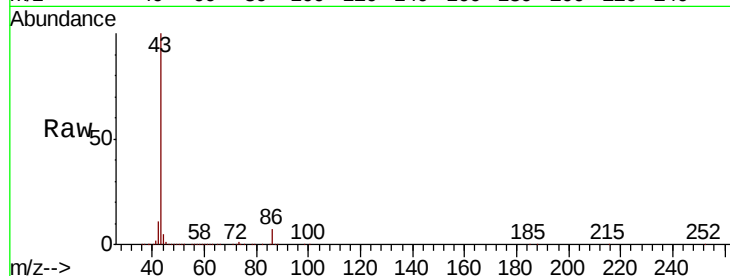
42 11.1 8.9 13.3

44 5.4 5.0 7.4

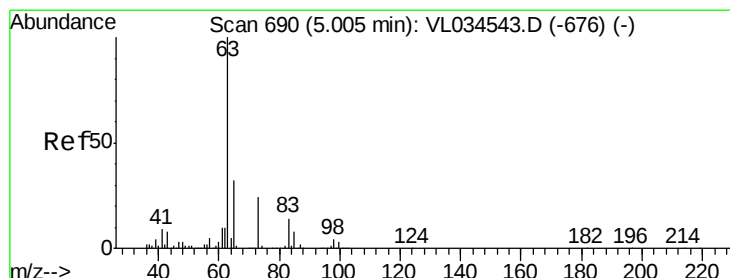
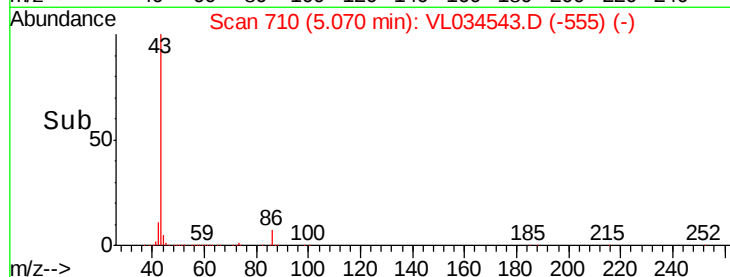
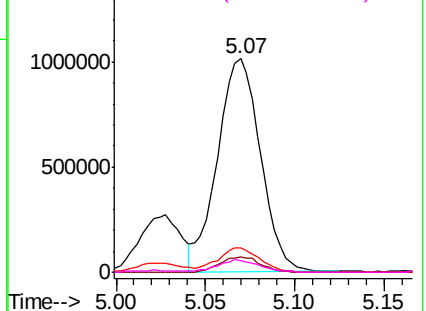
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Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 86.10 (85.80 to 86.80): VL0
Ion 42.10 (41.80 to 42.80): VL0
Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.450 ppbv

RT: 5.01 min Scan# 690

Delta R.T. -0.00 min

Lab File: VL034543.D

Acq: 2 Jan 2020 11:04

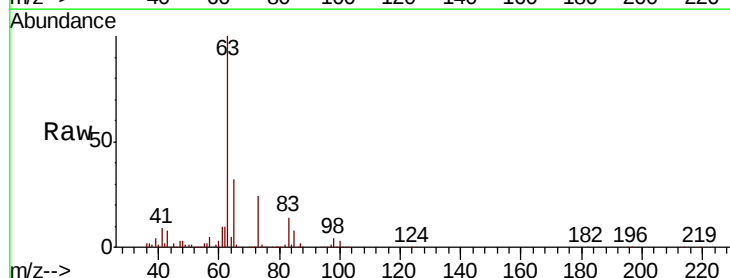
Tgt Ion: 63 Resp: 1280661

Ion Ratio Lower Upper

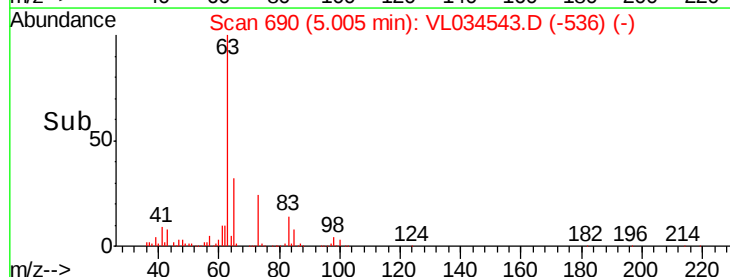
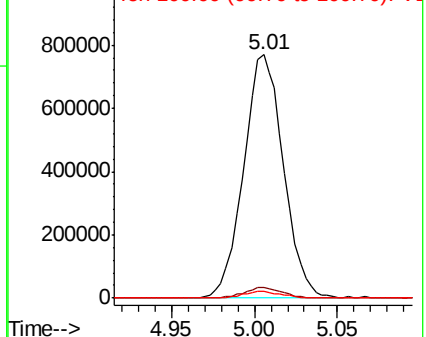
63 100

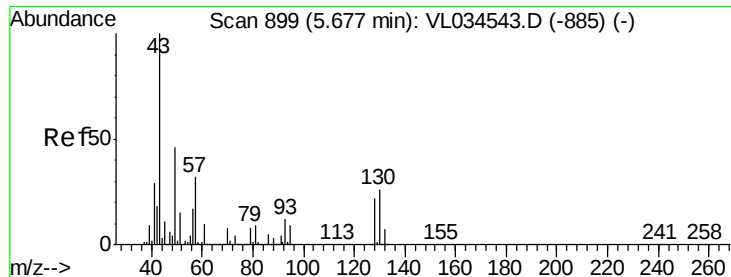
98 4.2 2.1 6.3

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





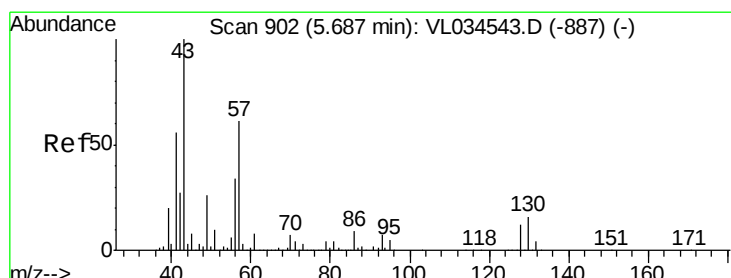
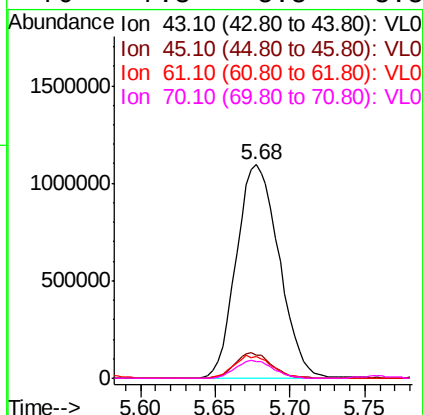
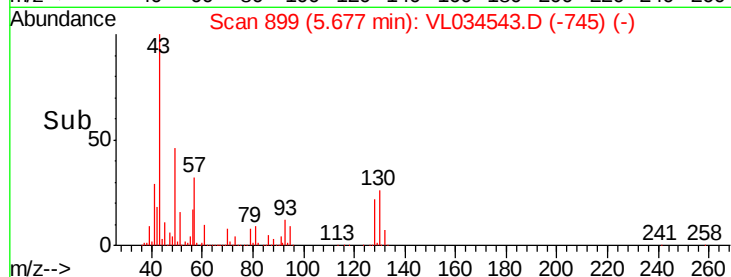
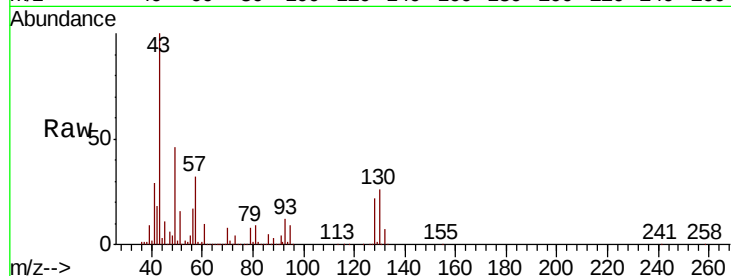
#25
Ethyl Acetate
Concen: 9.532 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	10.3	8.3	12.5	
61	9.7	7.8	11.6	
70	7.3	5.8	8.8	

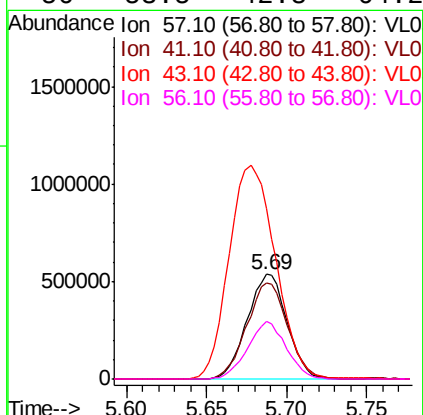
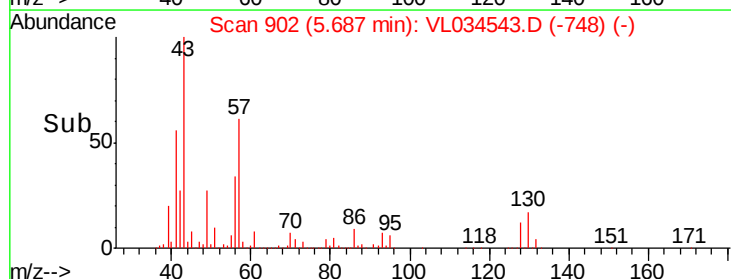
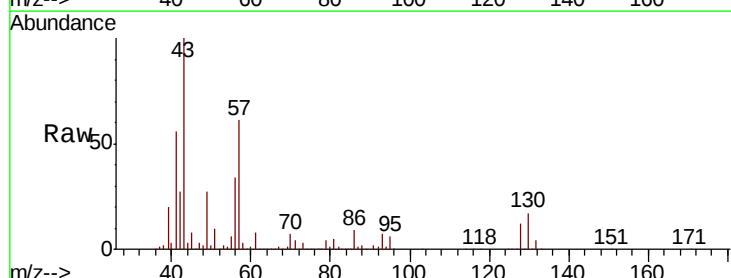
Manual Integrations
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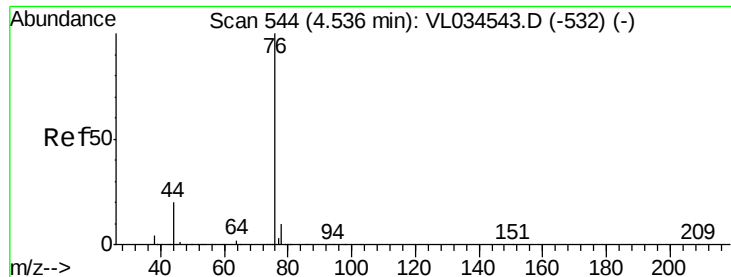
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#26
Hexane
Concen: 9.543 ppbv
RT: 5.69 min Scan# 902
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	94.6	75.3	112.9	
43	237.8	189.4	284.2	
56	53.5	42.8	64.2	





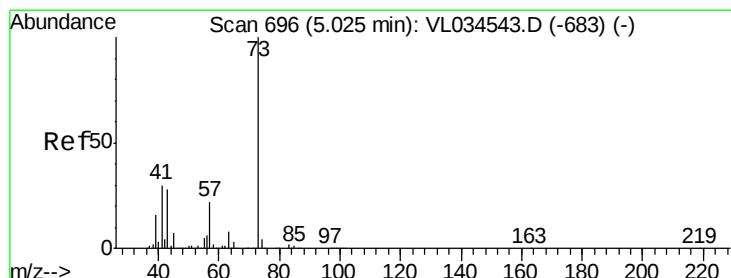
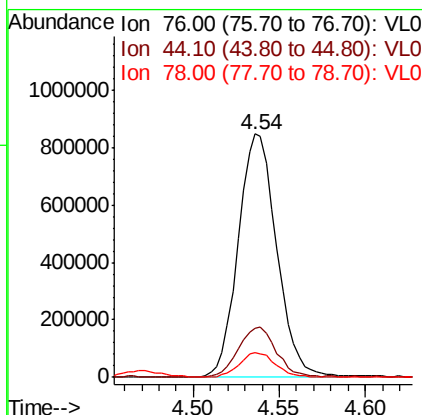
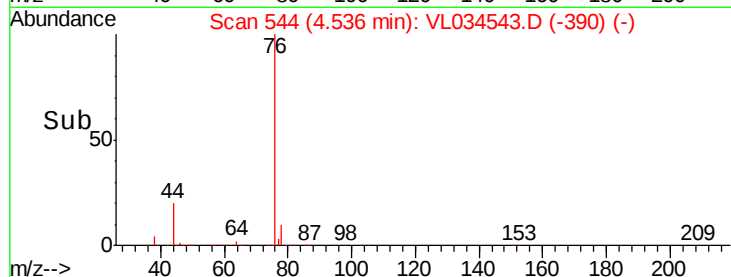
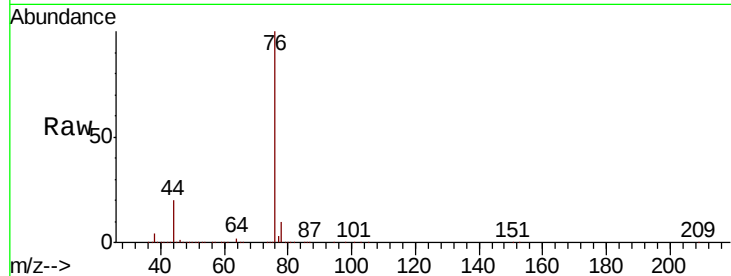
#27
Carbon Disulfide
Concen: 10.800 ppbv
RT: 4.54 min Scan# 544
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 76 Resp: 1312530
Ion Ratio Lower Upper
76 100
44 19.8 16.6 25.0
78 9.5 7.4 11.0

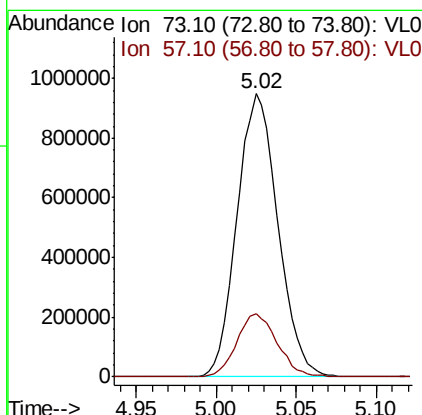
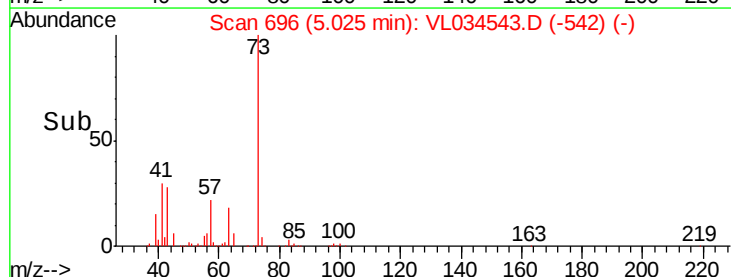
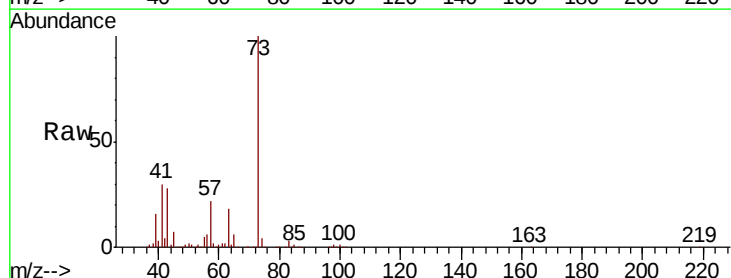
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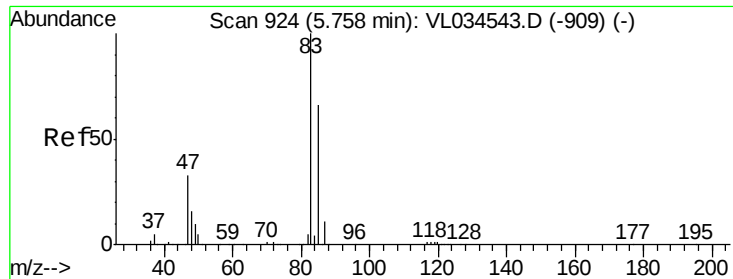
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#28
Methyl tert-Butyl Ether
Concen: 10.279 ppbv
RT: 5.02 min Scan# 696
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Tgt Ion: 73 Resp: 1650754
Ion Ratio Lower Upper
73 100
57 22.2 18.2 27.2





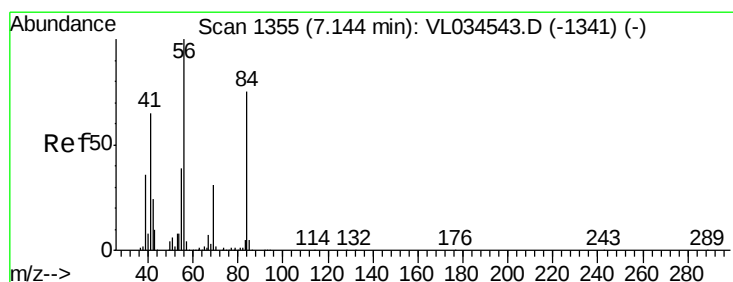
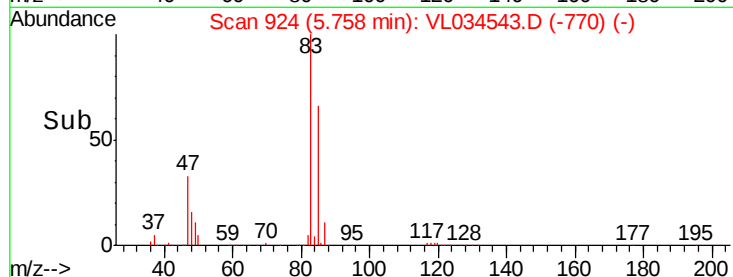
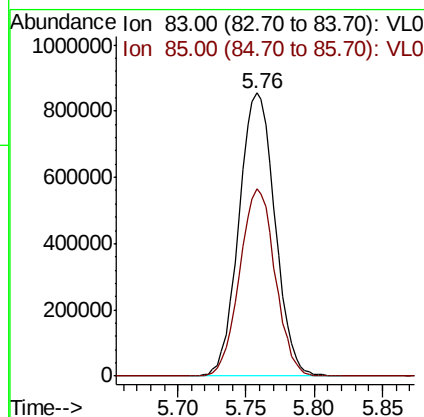
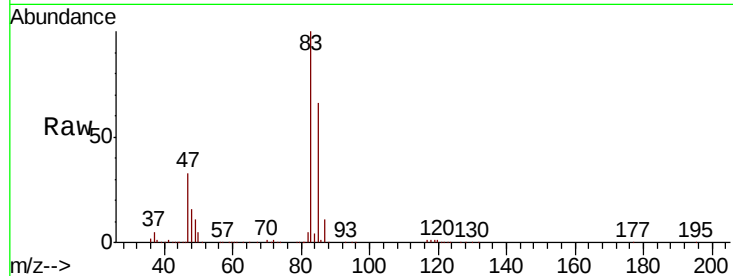
#29
Chloroform
Concen: 9.420 ppbv
RT: 5.76 min Scan# 924
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 83 Resp: 1567093
Ion Ratio Lower Upper
83 100
85 66.1 51.0 76.6

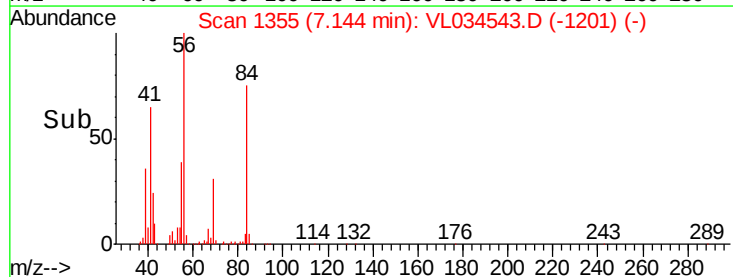
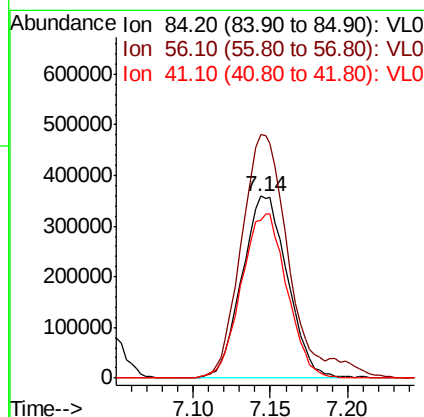
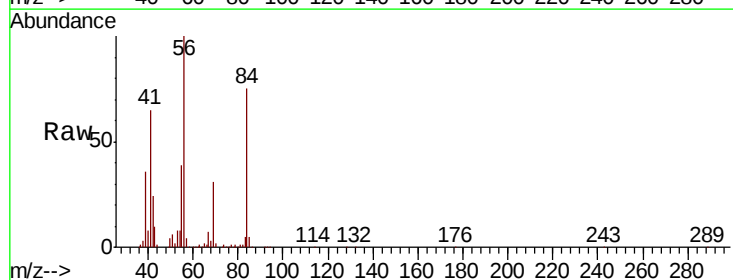
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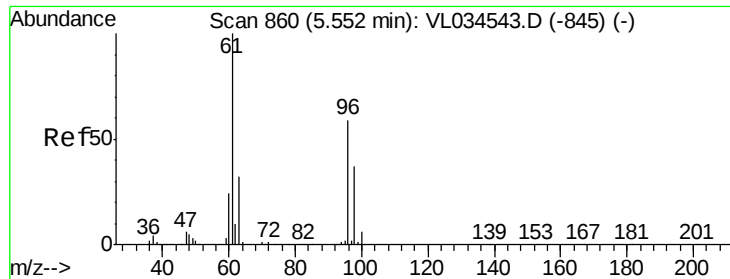
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#30
Cyclohexane
Concen: 10.264 ppbv
RT: 7.14 min Scan# 1355
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Tgt Ion: 84 Resp: 733502
Ion Ratio Lower Upper
84 100
56 141.4 112.7 169.1
41 90.2 73.0 109.4





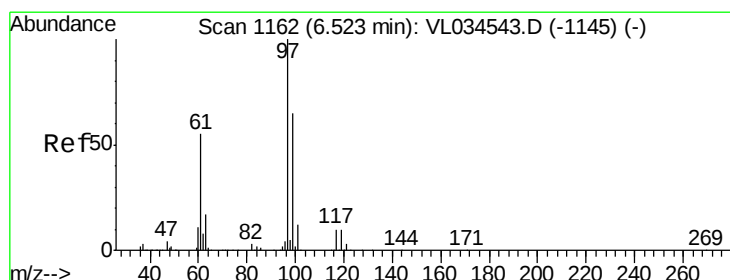
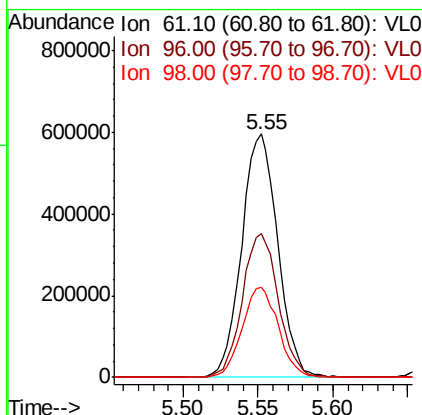
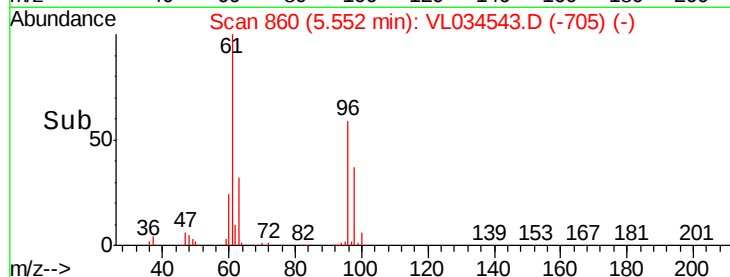
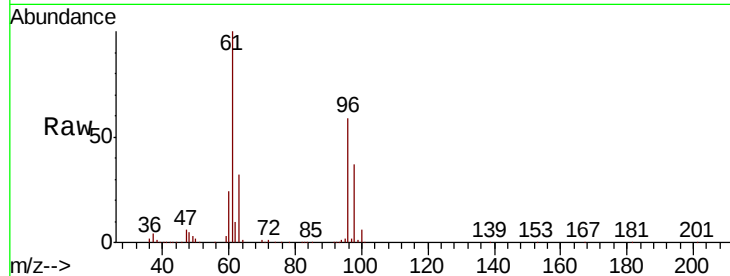
#31
 cis-1,2-Dichloroethene
 Concen: 10.202 ppbv
 RT: 5.55 min Scan# 860
 Delta R.T. -0.00 min
 Lab File: VL034543.D
 Acq: 2 Jan 2020 11:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
61	100		
96	59.0	47.1	70.7
98	37.2	31.0	46.6

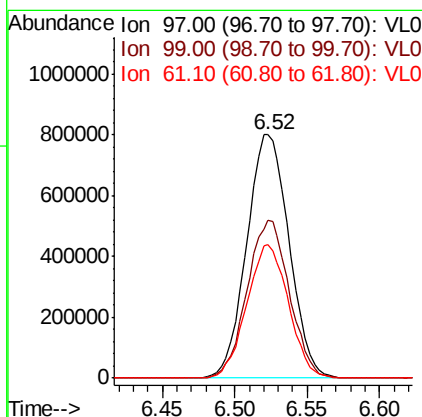
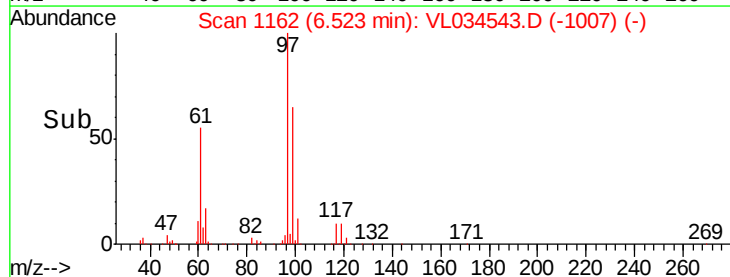
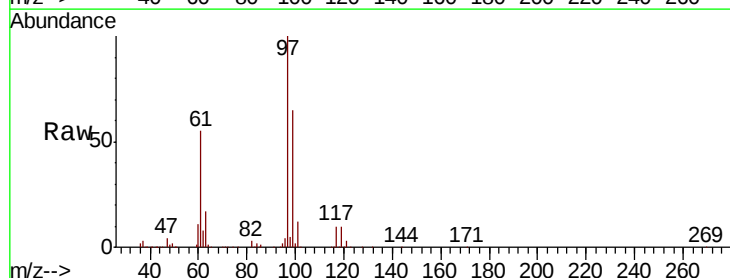
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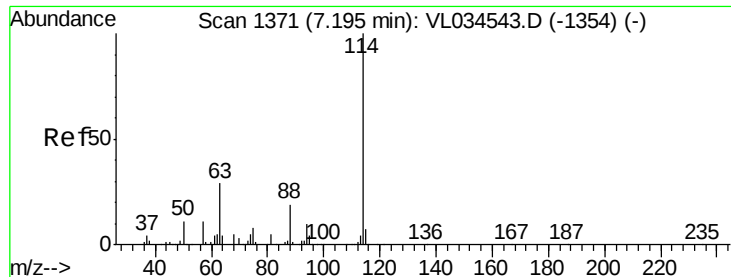
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#32
 1,1,1-Trichloroethane
 Concen: 9.429 ppbv
 RT: 6.52 min Scan# 1162
 Delta R.T. -0.00 min
 Lab File: VL034543.D
 Acq: 2 Jan 2020 11:04

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.7	77.5
61	54.1	42.9	64.3





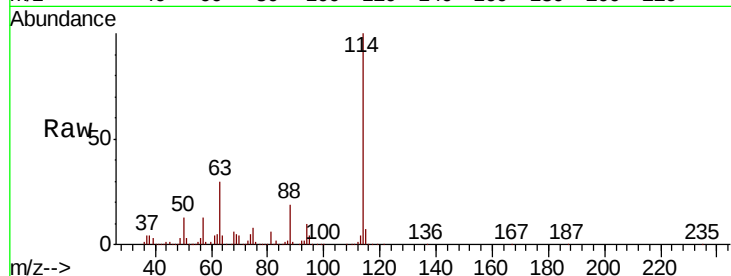
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1371
 Delta R.T. -0.00 min
 Lab File: VL034543.D
 Acq: 2 Jan 2020 11:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

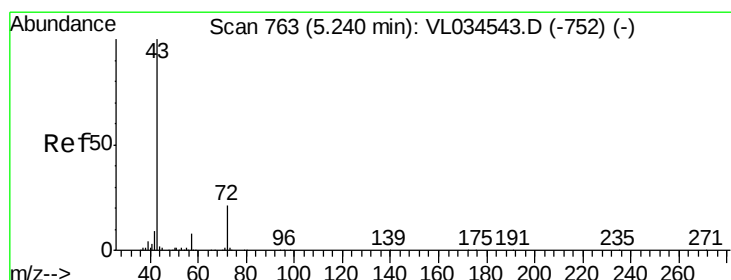
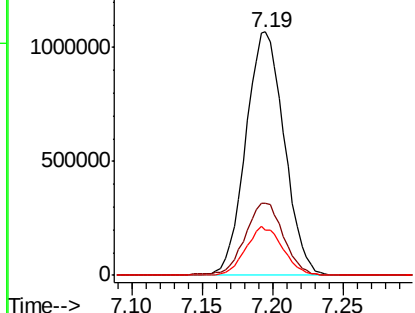
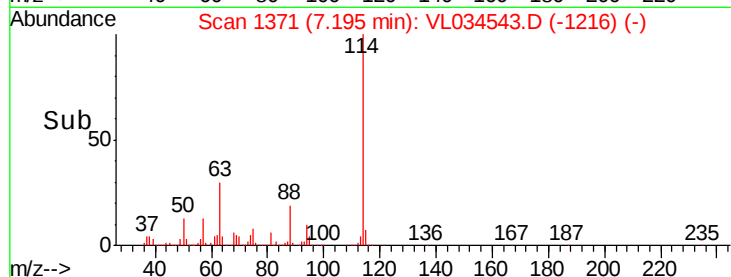
Tot Ion	Ratio	Lower	Upper
114	100		
63	30.1	24.1	36.1
88	19.2	15.7	23.5

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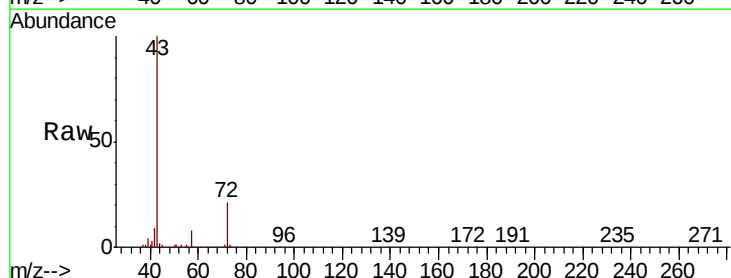


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

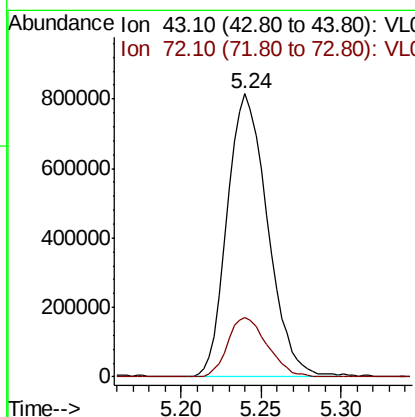
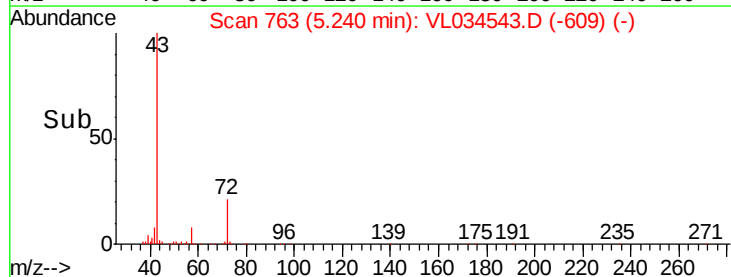


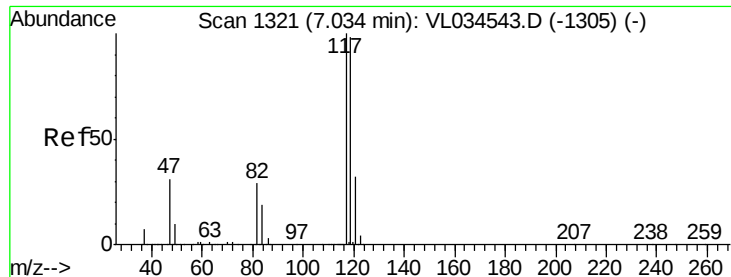
#34
 2-Butanone
 Concen: 9.608 ppbv
 RT: 5.24 min Scan# 763
 Delta R.T. -0.00 min
 Lab File: VL034543.D
 Acq: 2 Jan 2020 11:04

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: 9.339 ppbv

RT: 7.03 min Scan# 1321

Delta R.T. -0.00 min

Lab File: VL034543.D

Acq: 2 Jan 2020 11:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:117 Resp: 1727641

Ion Ratio Lower Upper

117 100

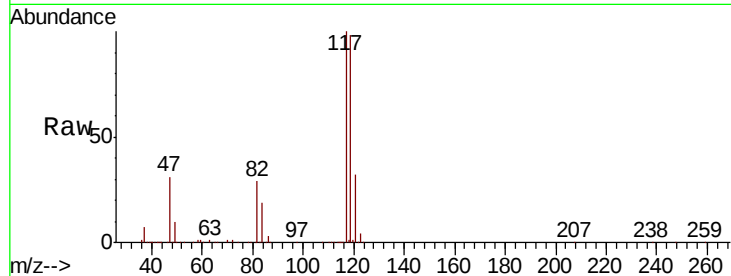
119 98.4 78.7 118.1

121 31.5 25.9 38.9

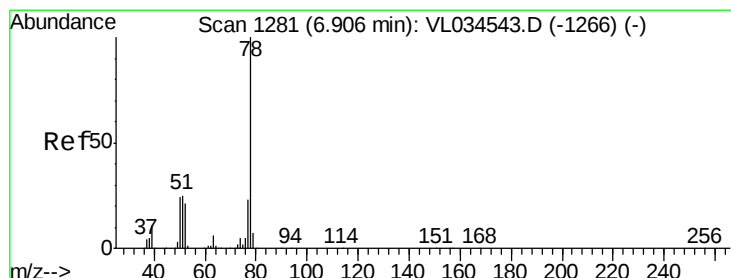
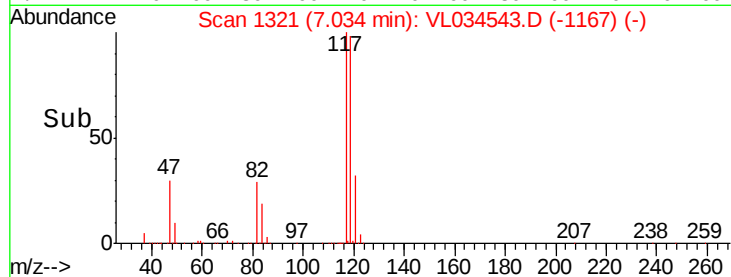
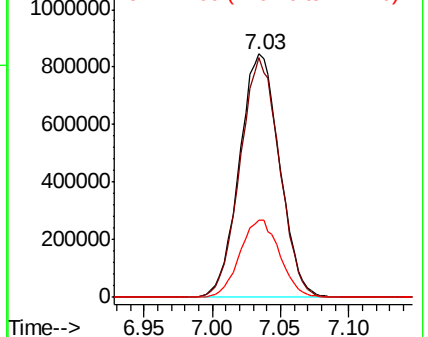
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Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.852 ppbv

RT: 6.91 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VL034543.D

Acq: 2 Jan 2020 11:04

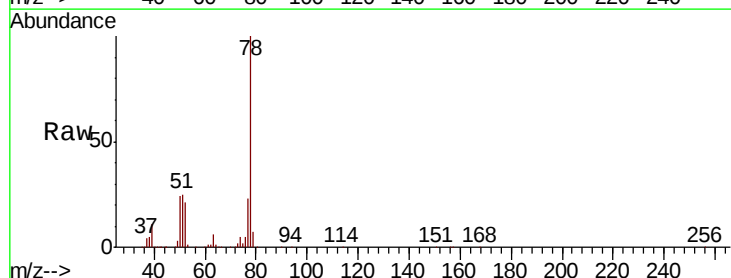
Tgt Ion: 78 Resp: 1751764

Ion Ratio Lower Upper

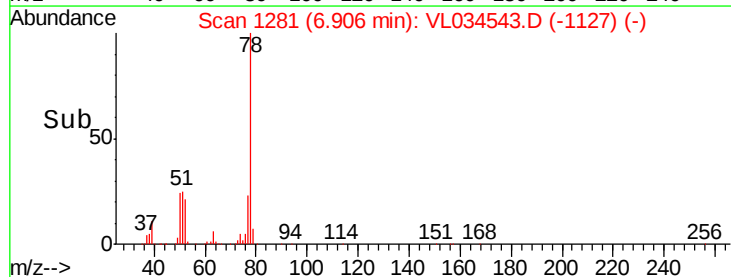
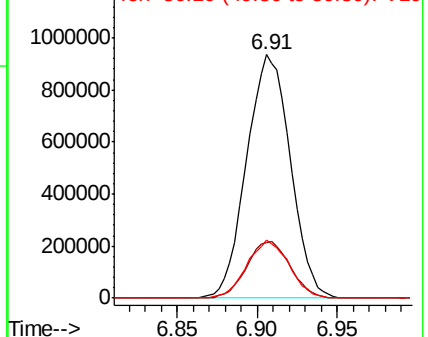
78 100

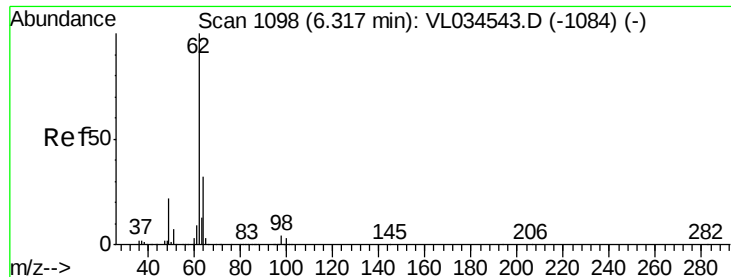
77 22.8 18.6 28.0

50 23.8 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: 9.549 ppbv

RT: 6.32 min Scan# 1098

Delta R.T. -0.00 min

Lab File: VL034543.D

Acq: 2 Jan 2020 11:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 62 Resp: 1378866

Ion Ratio Lower Upper

62 100

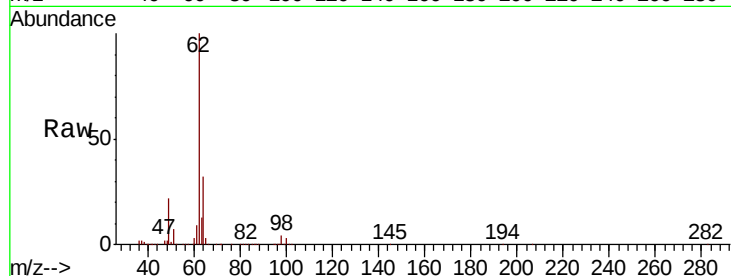
98 4.6 3.8 5.6

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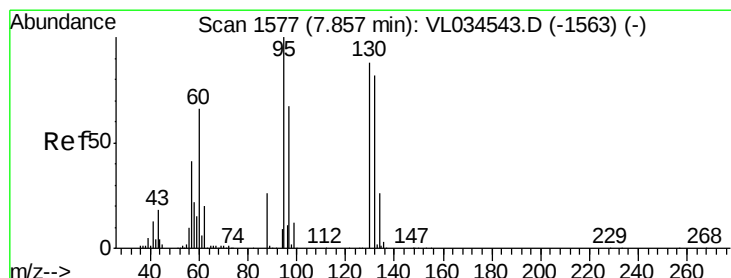
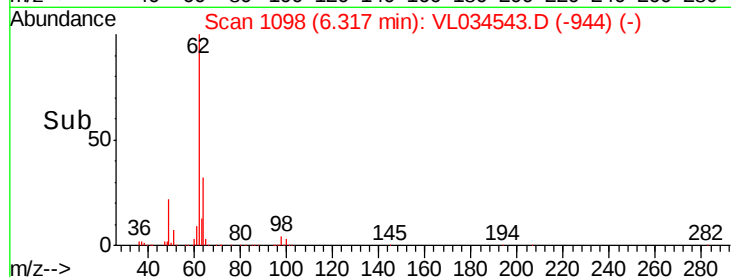
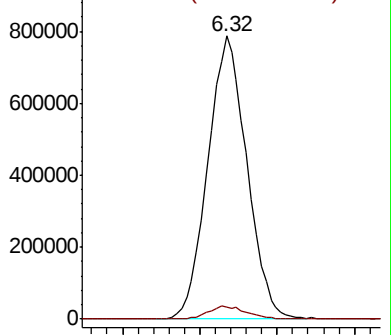
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#38

Trichloroethene

Concen: 10.183 ppbv

RT: 7.86 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VL034543.D

Acq: 2 Jan 2020 11:04

Tgt Ion:130 Resp: 731411

Ion Ratio Lower Upper

130 100

95 113.4 94.2 141.2

132 92.5 76.1 114.1

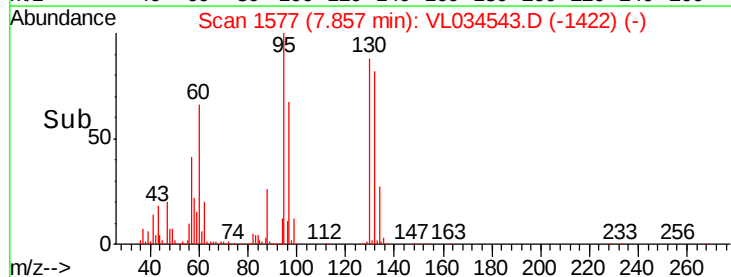
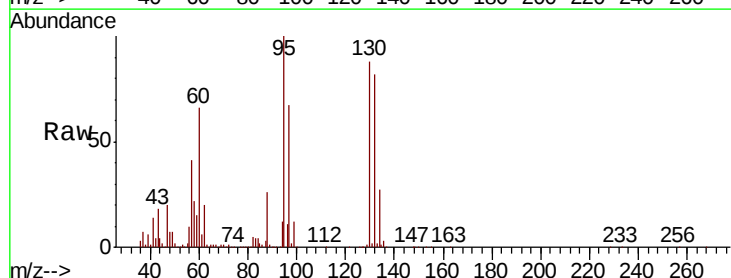
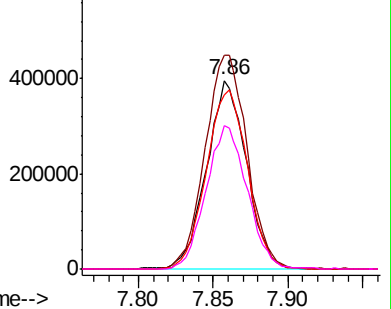
97 75.8 60.2 90.2

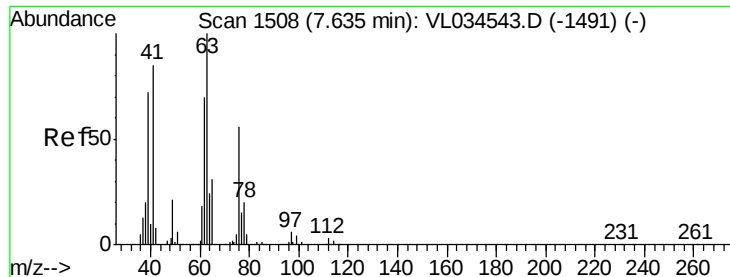
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0





#39

1,2-Dichloropropane

Concen: 9.806 ppbv

RT: 7.64 min Scan# 1508

Delta R.T. -0.00 min

Lab File: VL034543.D

Acq: 2 Jan 2020 11:04

Instrument :

MSVOA_L

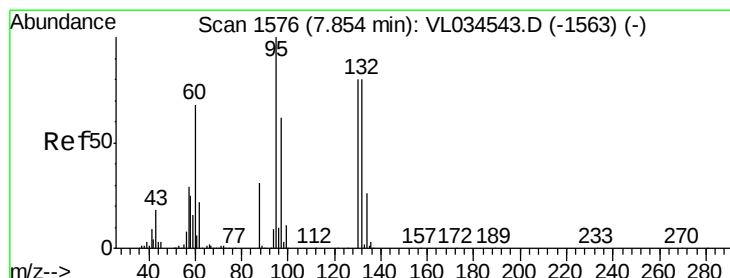
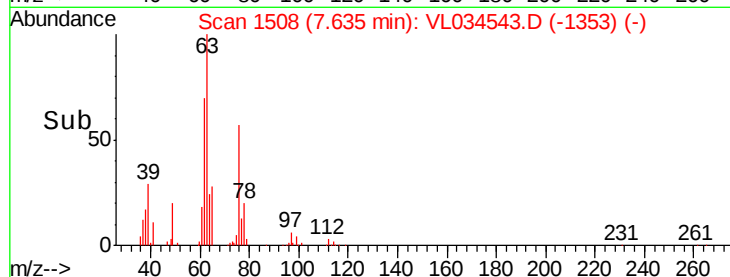
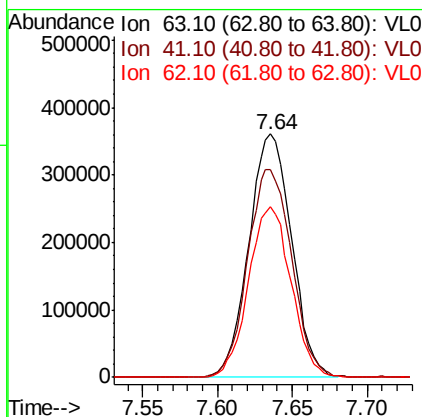
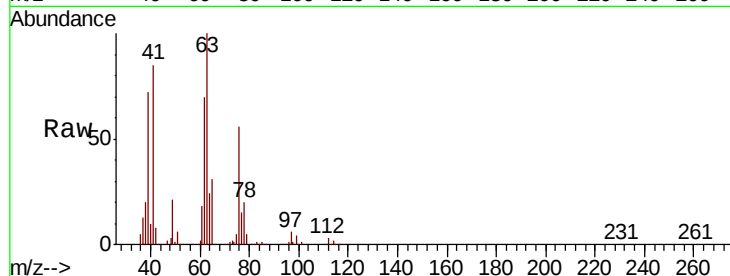
ClientSampleId :

VSTDCCC010

Tot Ion:	63	Resp:	716954
Ion Ratio	Lower	Upper	
63	100		
41	85.3	66.1	99.1
62	69.9	54.9	82.3

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#40

1,4-Dioxane

Concen: 9.965 ppbv

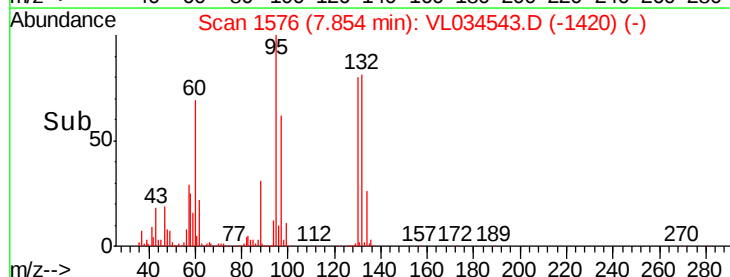
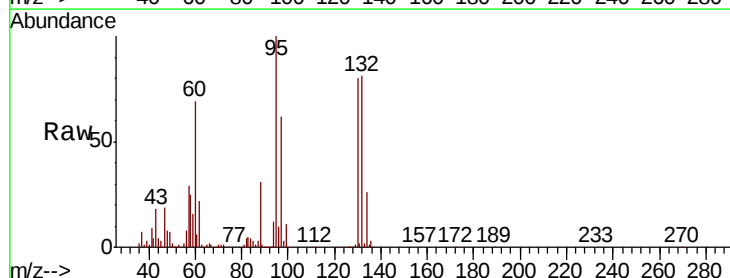
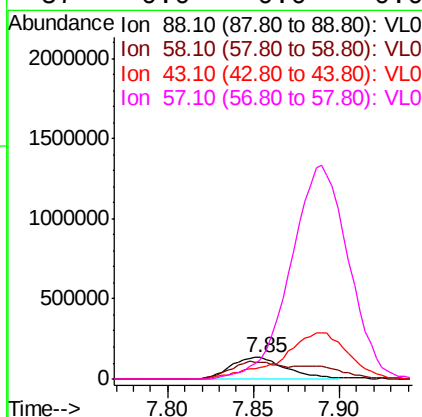
RT: 7.85 min Scan# 1576

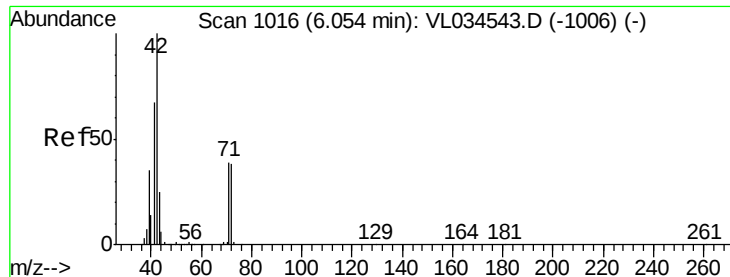
Delta R.T. 0.00 min

Lab File: VL034543.D

Acq: 2 Jan 2020 11:04

Tgt Ion:	88	Resp:	294898
Ion Ratio	Lower	Upper	
88	100		
58	133.3	107.9	161.9
43	0.0	0.0	0.0
57	0.0	0.0	0.0





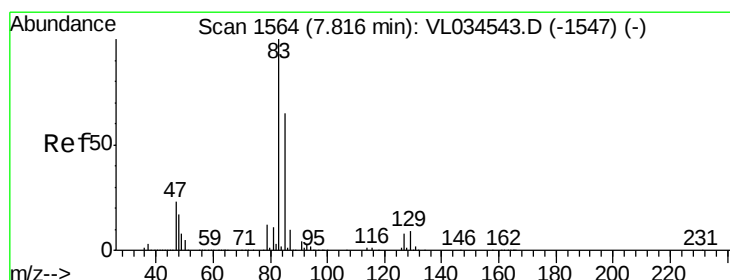
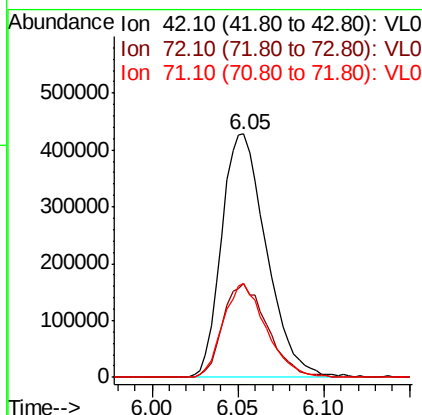
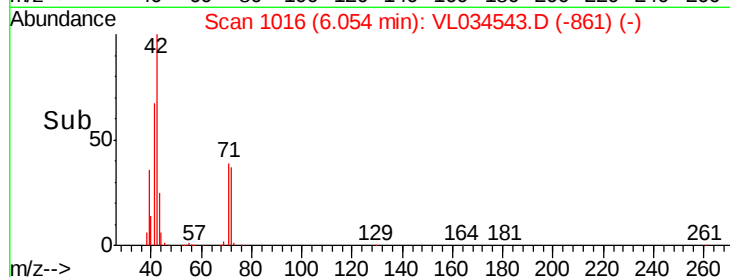
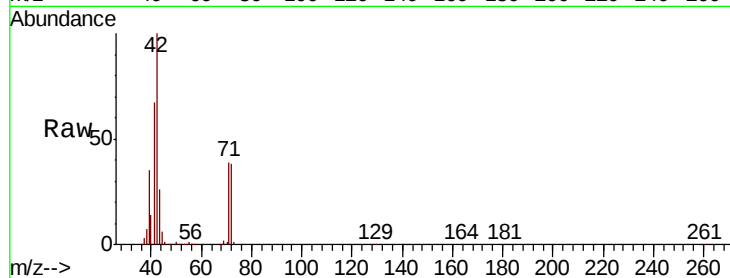
#41
Tetrahydrofuran
Concen: 10.328 ppbv
RT: 6.05 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.6	30.9	46.3
71	37.5	28.9	43.3

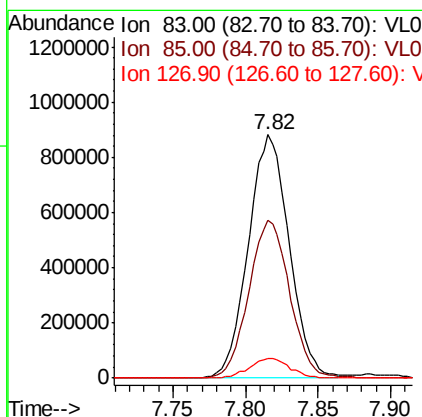
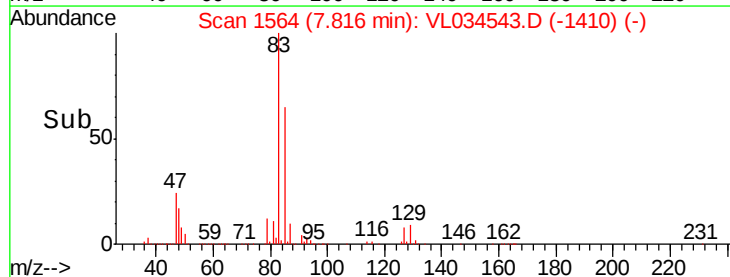
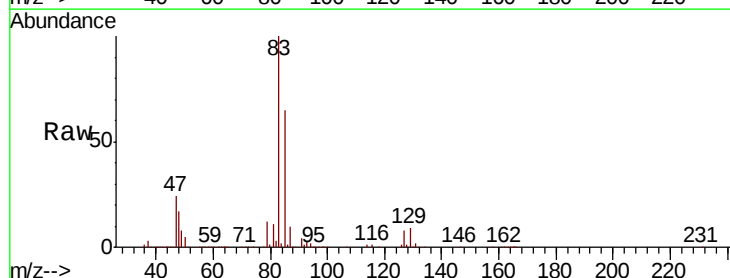
Manual Integrations
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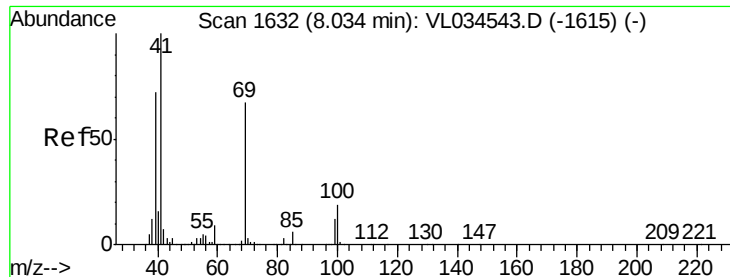
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#42
Bromodichloromethane
Concen: 9.759 ppbv
RT: 7.82 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	49.4	74.2
127	8.1	6.2	9.4





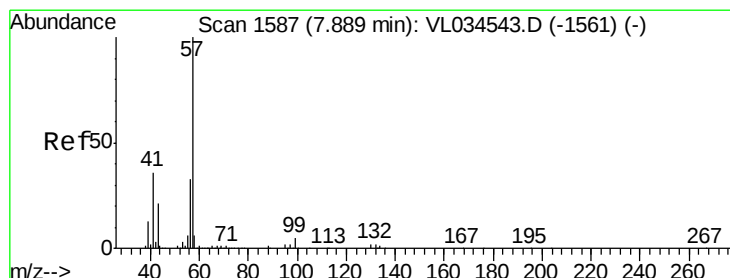
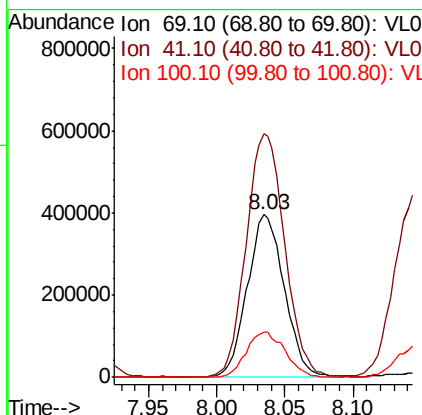
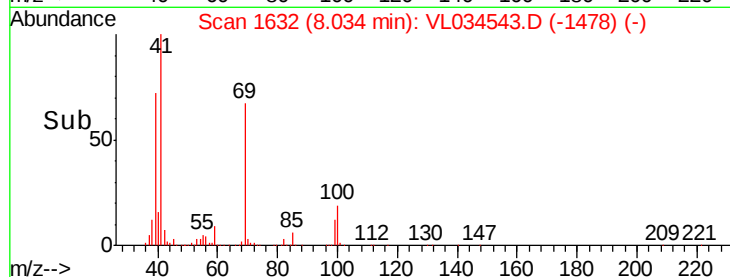
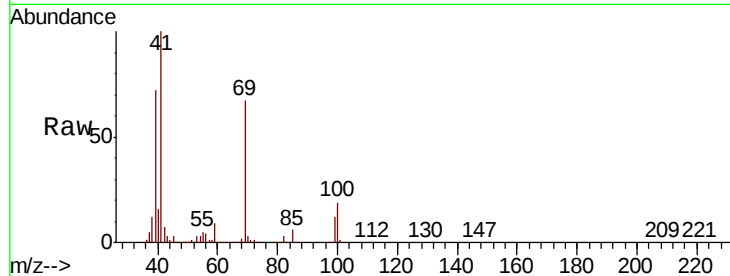
#43
Methyl Methacrylate
Concen: 10.327 ppbv
RT: 8.03 min Scan# 1632
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
69	100		
41	155.1	124.0	186.0
100	29.3	23.1	34.7

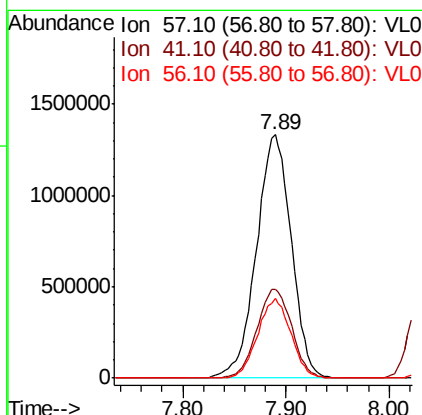
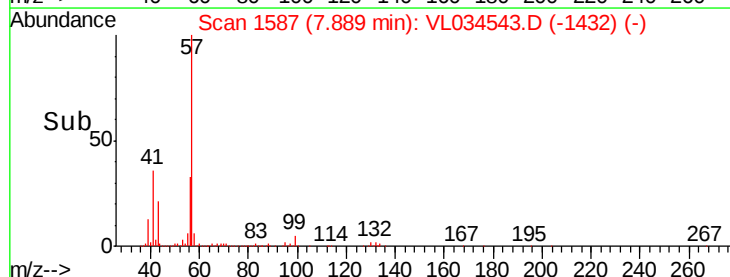
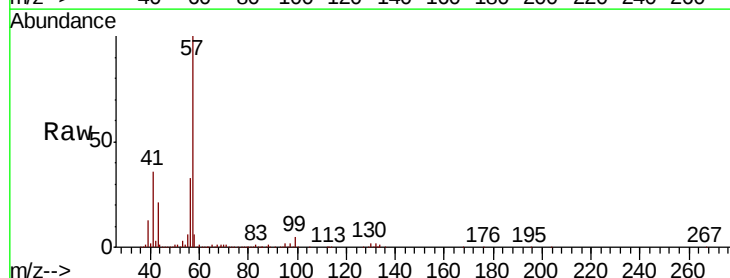
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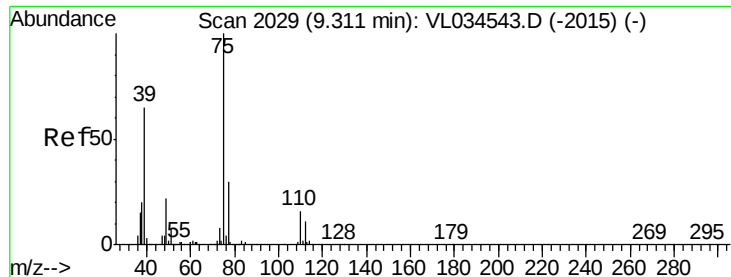
apatel
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#44
2,2,4-Trimethylpentane
Concen: 9.500 ppbv
RT: 7.89 min Scan# 1587
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Tgt Ion	Ratio	Lower	Upper
57	100		
41	36.4	29.0	43.4
56	31.1	24.9	37.3





#45

t-1,3-Dichloropropene

Concen: 11.304 ppbv

RT: 9.31 min Scan# 2029

Delta R.T. -0.00 min

Lab File: VL034543.D

Acq: 2 Jan 2020 11:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 75 Resp: 1056194

Ion Ratio Lower Upper

75 100

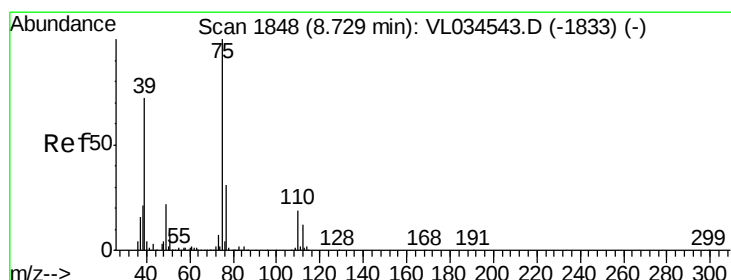
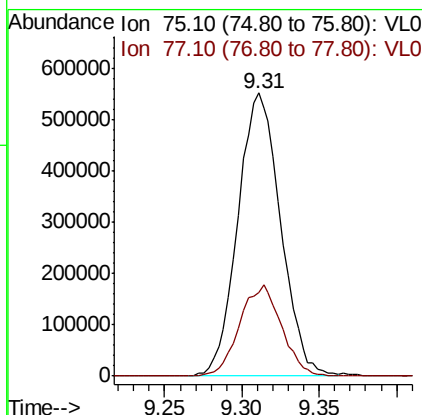
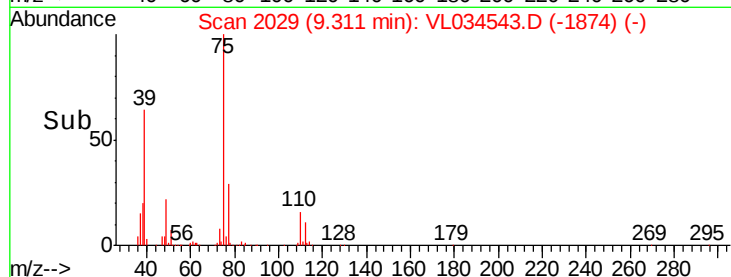
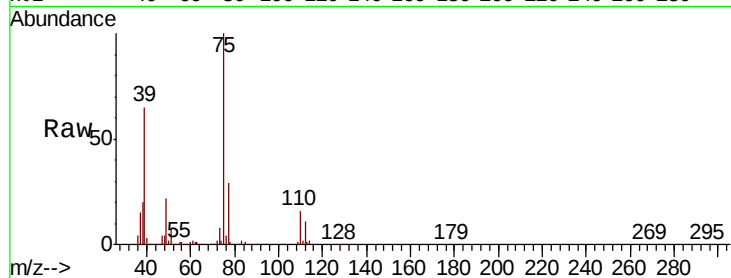
77 29.5 24.2 36.2

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#46

cis-1,3-Dichloropropene

Concen: 11.031 ppbv

RT: 8.73 min Scan# 1848

Delta R.T. -0.01 min

Lab File: VL034543.D

Acq: 2 Jan 2020 11:04

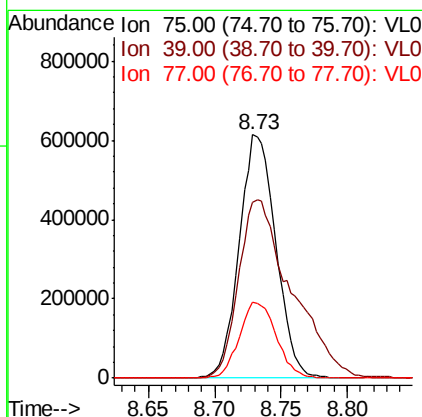
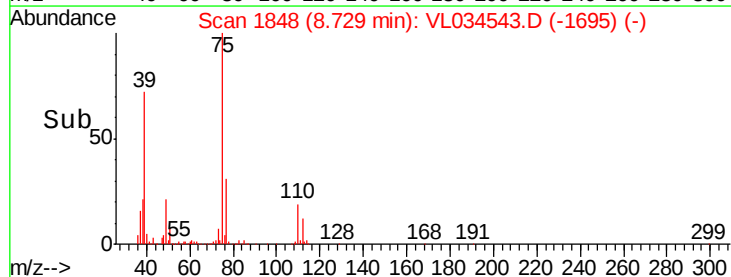
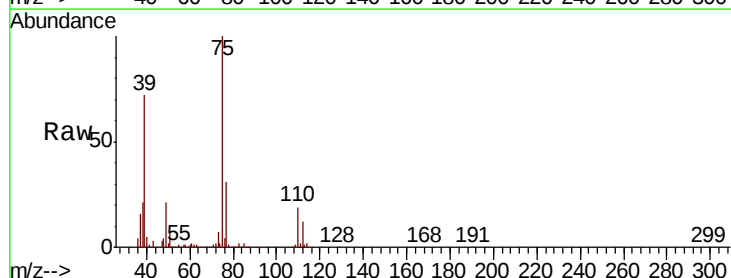
Tgt Ion: 75 Resp: 1178162

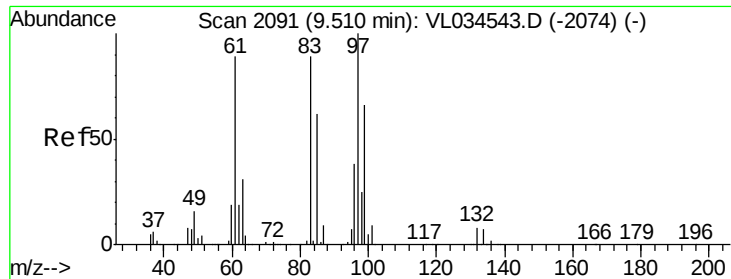
Ion Ratio Lower Upper

75 100

39 72.0 60.5 90.7

77 31.0 24.8 37.2





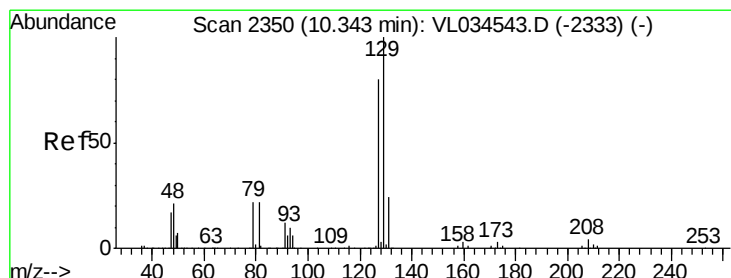
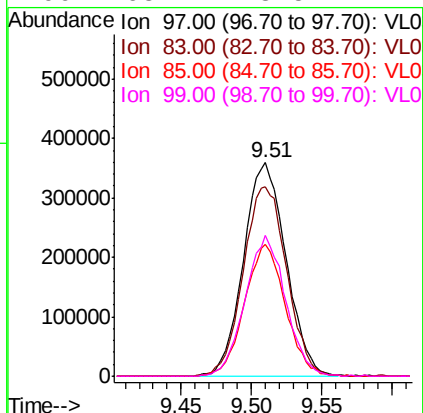
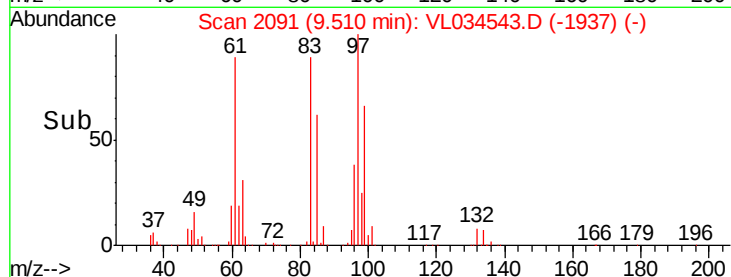
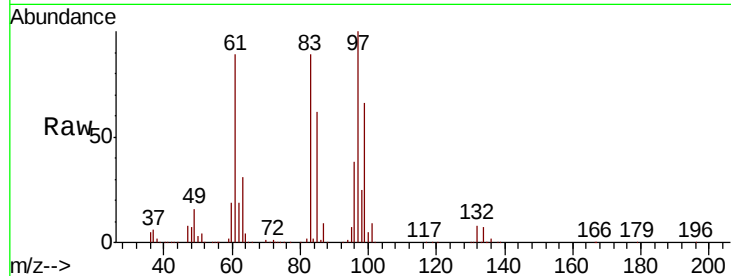
#47
 1,1,2-Trichloroethane
 Concen: 9.400 ppbv
 RT: 9.51 min Scan# 2091
 Delta R.T. -0.00 min
 Lab File: VL034543.D
 Acq: 2 Jan 2020 11:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	88.8	75.0	112.4	
85	61.7	48.2	72.4	
99	65.7	48.5	72.7	

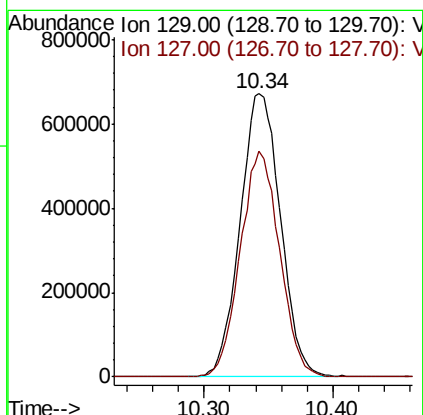
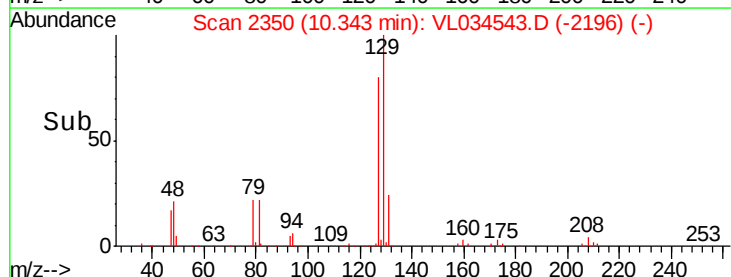
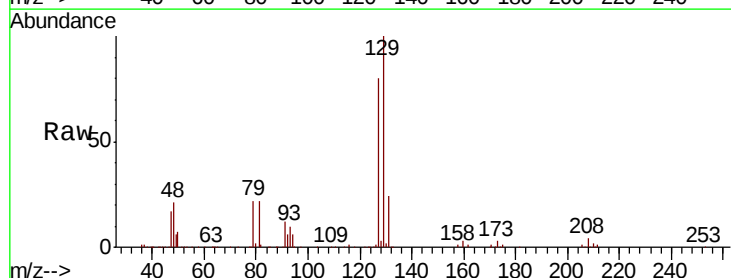
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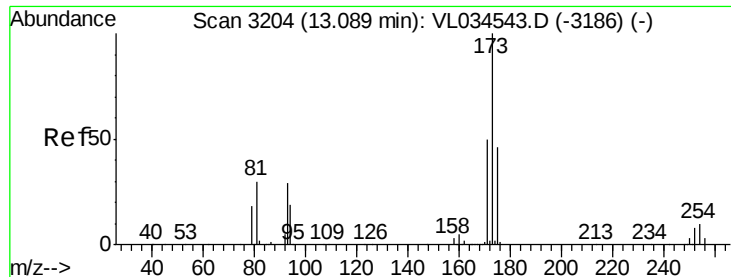
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#48
 Dibromochloromethane
 Concen: 10.456 ppbv
 RT: 10.34 min Scan# 2350
 Delta R.T. -0.00 min
 Lab File: VL034543.D
 Acq: 2 Jan 2020 11:04

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	77.9	39.4	118.2	





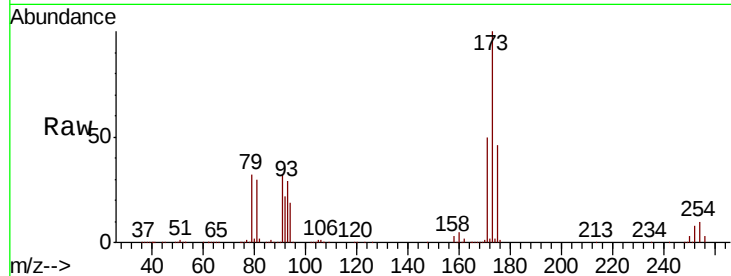
#49
Bromoform
Concen: 10.247 ppbv
RT: 13.09 min Scan# 3204
Delta R.T. -0.01 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

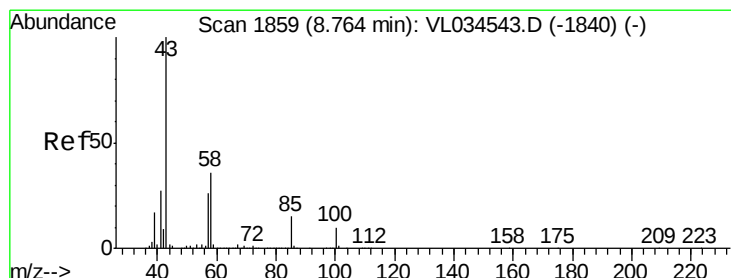
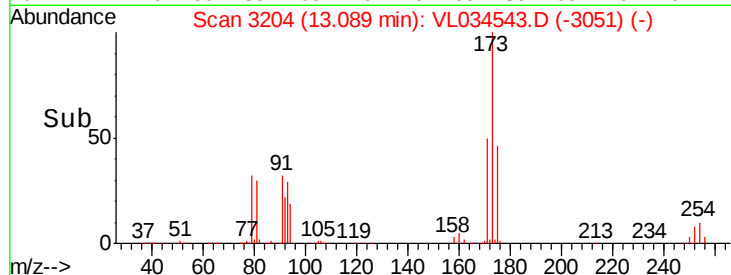
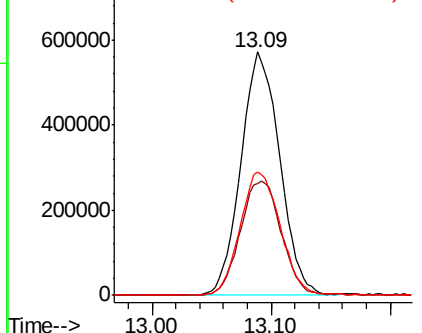
Tot Ion:173 Resp: 1296130
Ion Ratio Lower Upper
173 100
175 49.9 39.8 59.8
171 52.1 42.1 63.1

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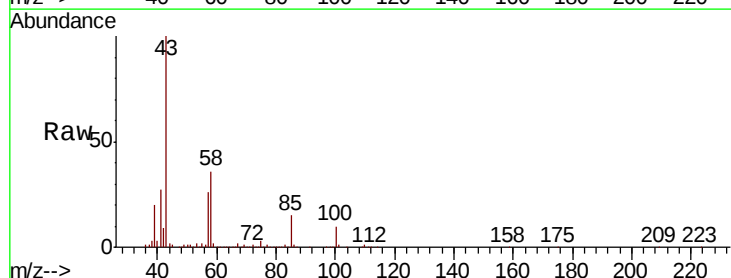


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V

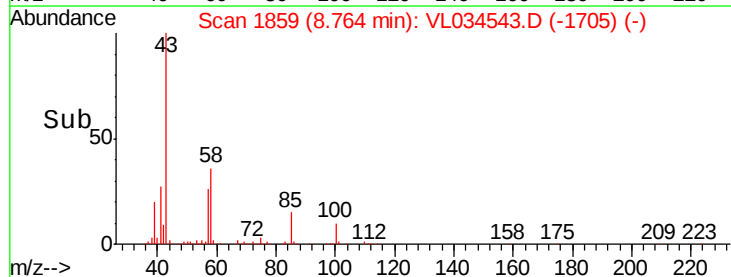
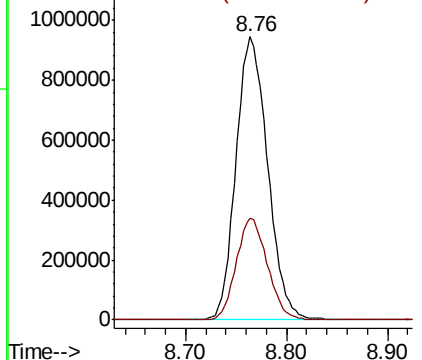


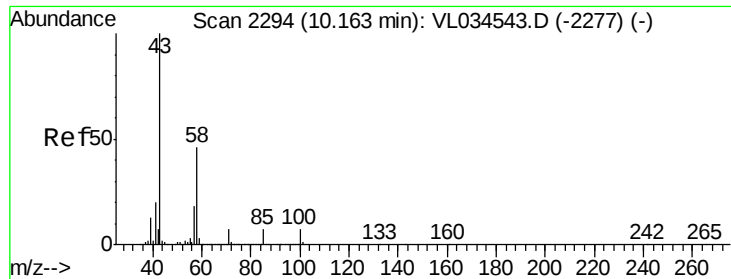
#50
4-Methyl-2-Pentanone
Concen: 9.742 ppbv
RT: 8.76 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Tgt Ion: 43 Resp: 2061382
Ion Ratio Lower Upper
43 100
58 35.4 28.2 42.2



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





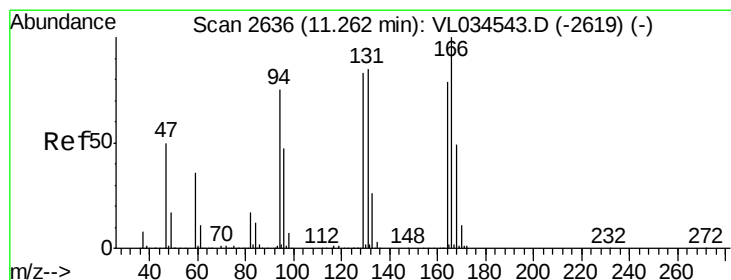
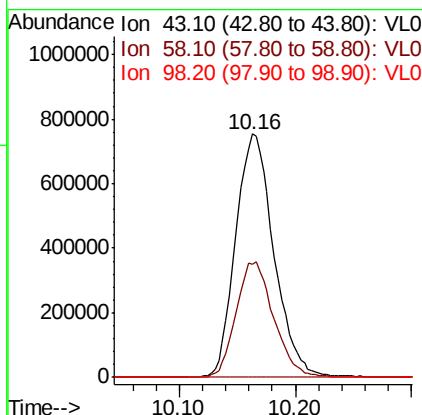
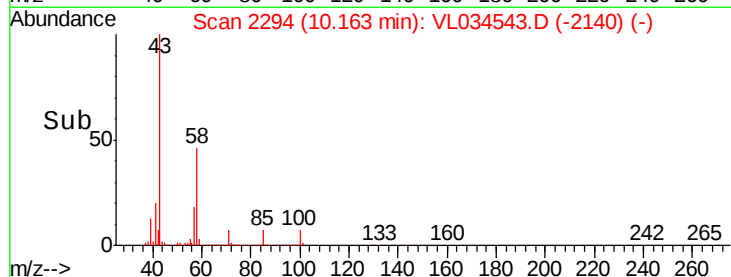
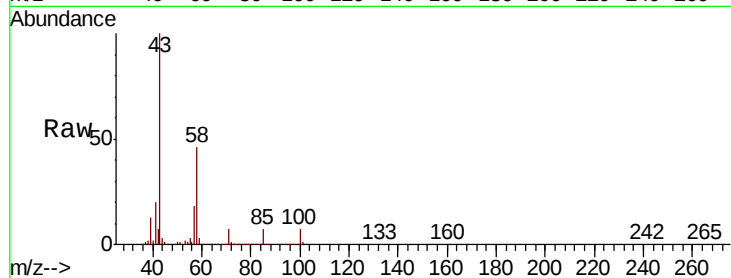
#51
2-Hexanone
Concen: 10.087 ppbv
RT: 10.16 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 1722935
Ion Ratio Lower Upper
43 100
58 46.7 37.4 56.0
98 0.3 0.2 0.2#

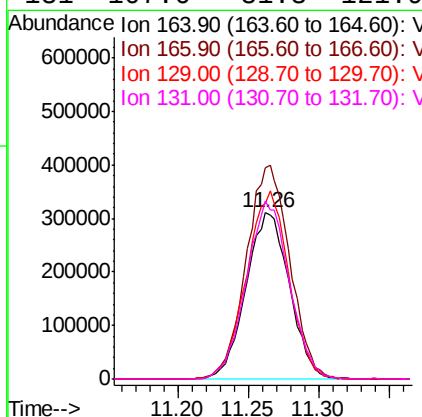
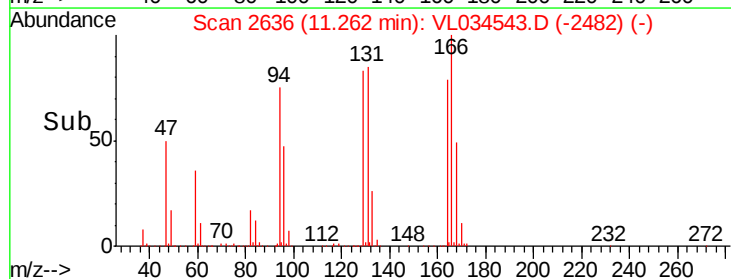
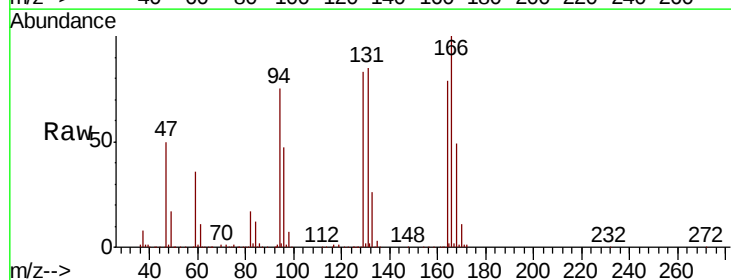
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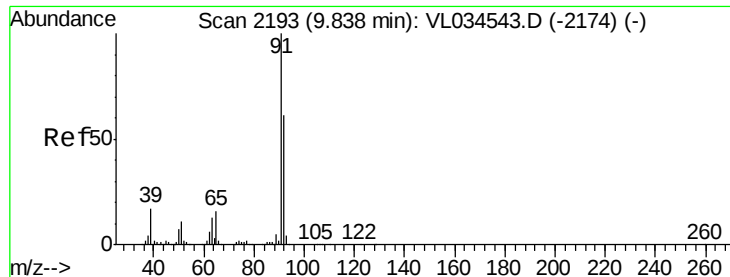
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#52
Tetrachloroethene
Concen: 9.600 ppbv
RT: 11.26 min Scan# 2636
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Tgt Ion: 164 Resp: 666162
Ion Ratio Lower Upper
164 100
166 127.3 95.7 143.5
129 105.7 82.2 123.2
131 107.6 81.3 121.9





#53

Toluene

Concen: 10.382 ppbv

RT: 9.84 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VL034543.D

Acq: 2 Jan 2020 11:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 2028214

Ion Ratio Lower Upper

91 100

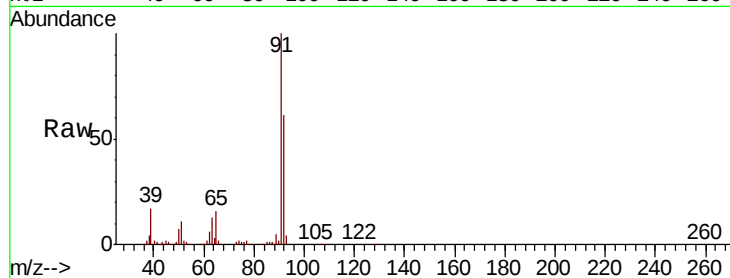
92 60.3 48.4 72.6

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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

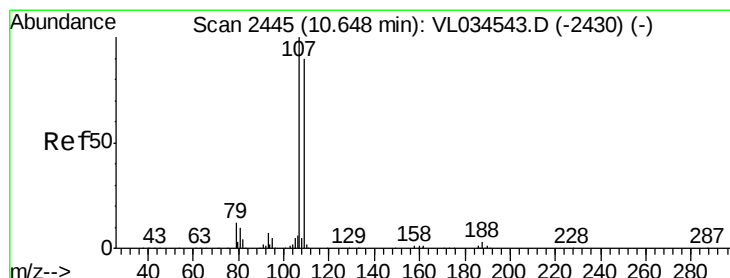
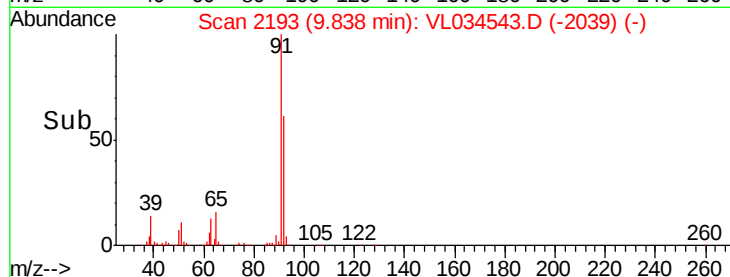
400000

200000

0

9.75 9.80 9.85 9.90

Time-->



#54

1,2-Dibromoethane

Concen: 9.875 ppbv

RT: 10.65 min Scan# 2445

Delta R.T. -0.01 min

Lab File: VL034543.D

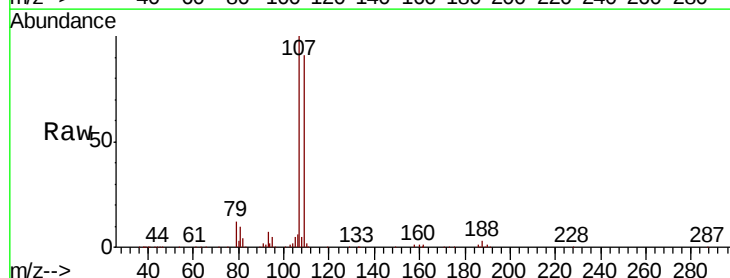
Acq: 2 Jan 2020 11:04

Tgt Ion:107 Resp: 1158194

Ion Ratio Lower Upper

107 100

109 90.5 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

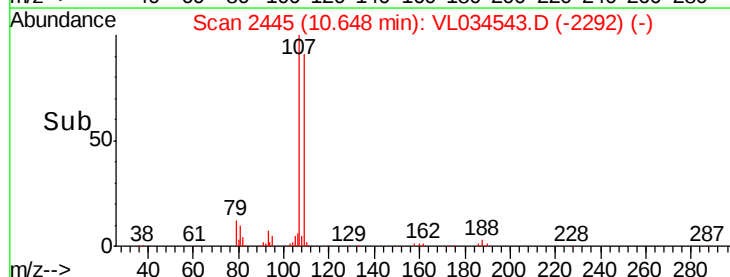
200000

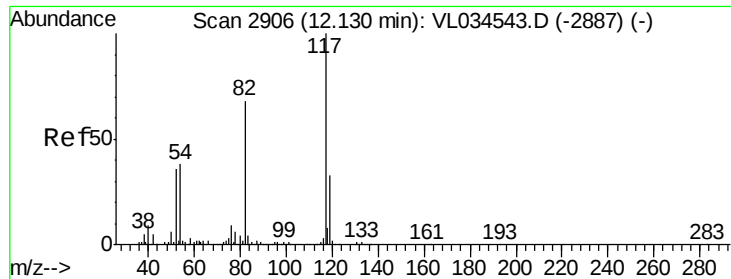
100000

0

10.55 10.60 10.65 10.70

Time-->





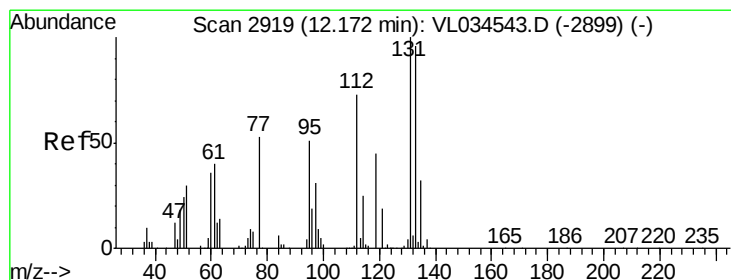
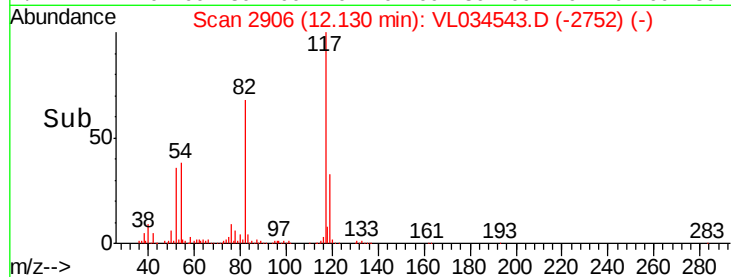
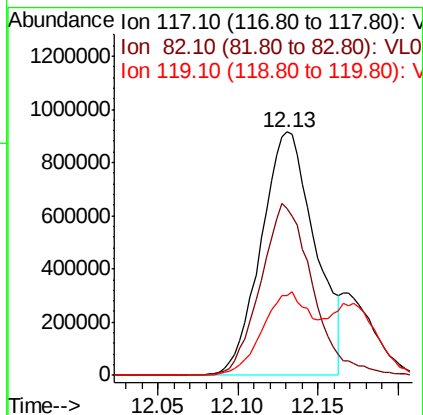
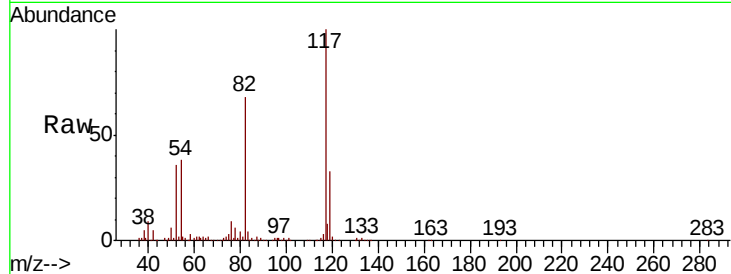
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.13 min Scan# 2906
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
117	100		
82	68.4	56.2	84.4
119	32.3	27.1	40.7

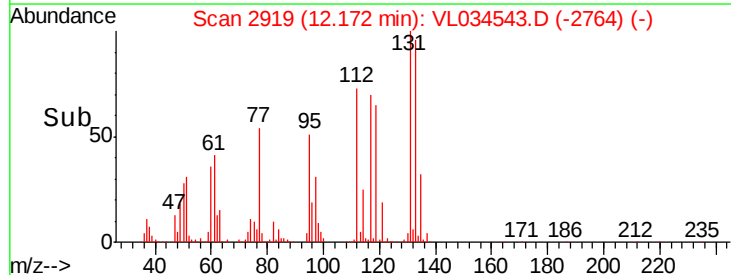
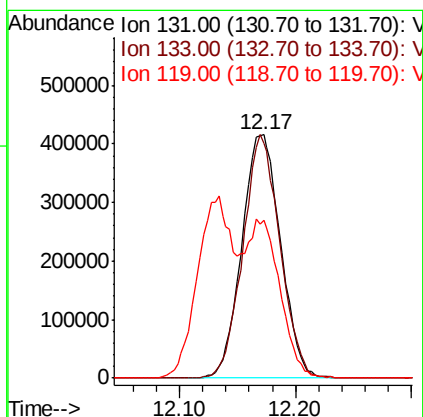
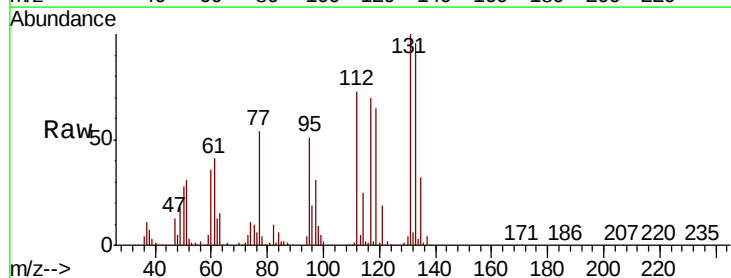
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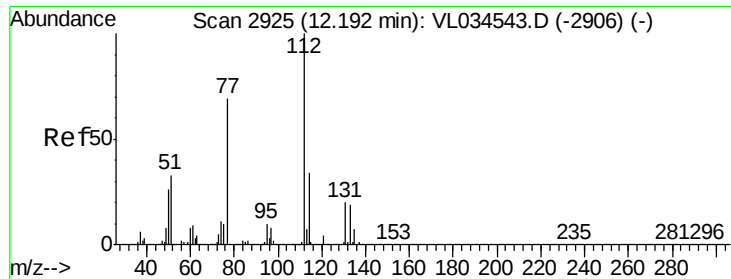
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.340 ppbv
RT: 12.17 min Scan# 2919
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.1	76.2	114.2
119	56.5	47.1	70.7





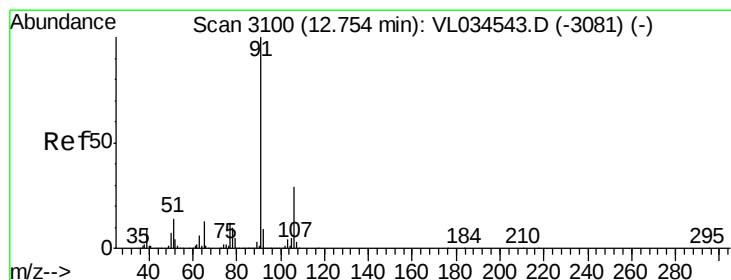
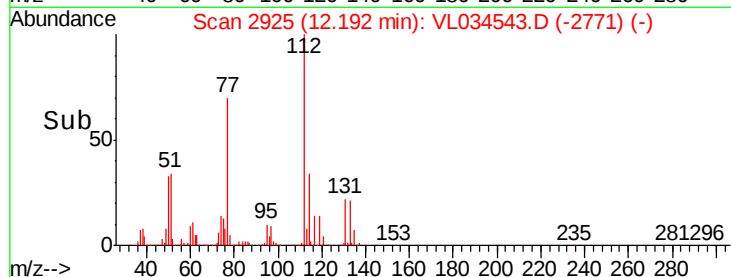
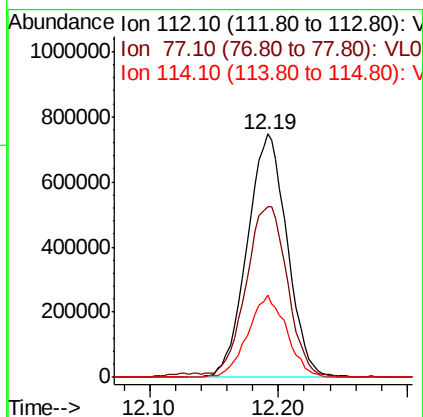
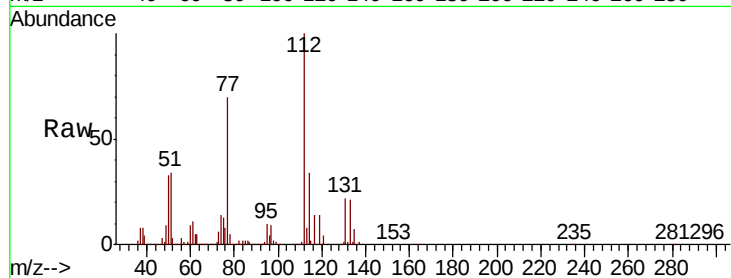
#57
Chlorobenzene
Concen: 9.089 ppbv
RT: 12.19 min Scan# 2925
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
112	100		
77	69.8	57.4	86.0
114	33.9	28.4	34.8

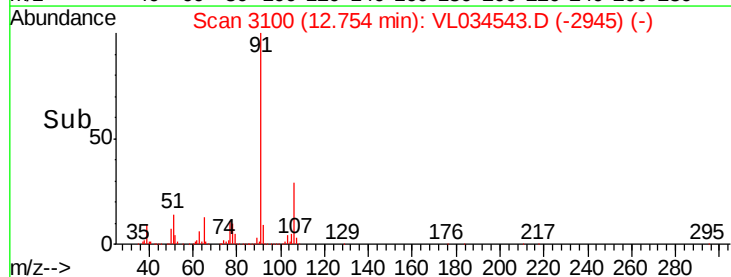
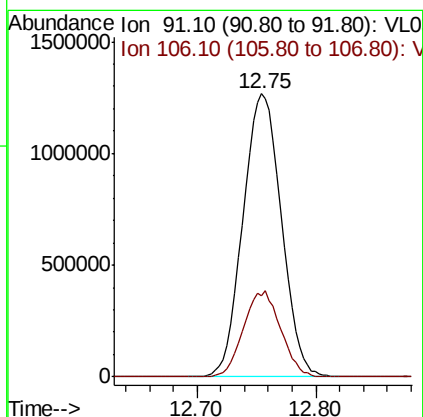
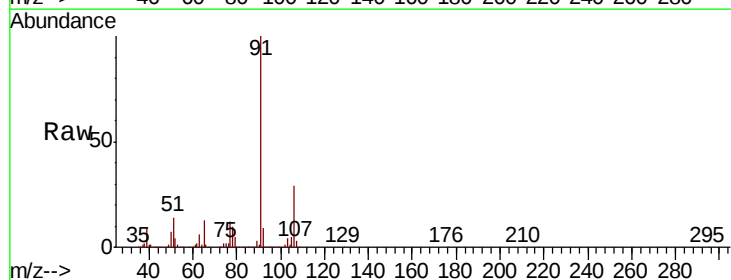
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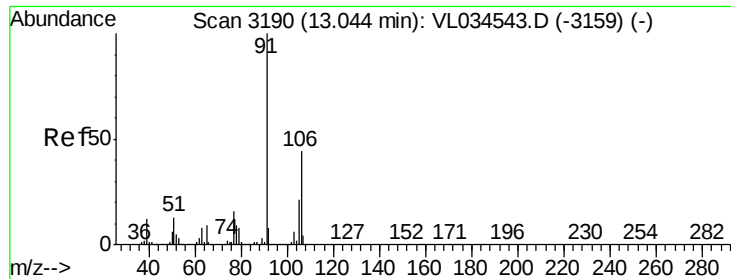
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#58
Ethyl Benzene
Concen: 9.803 ppbv
RT: 12.75 min Scan# 3100
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Tgt Ion	Ratio	Lower	Upper
91	100		
106	28.6	24.6	36.8





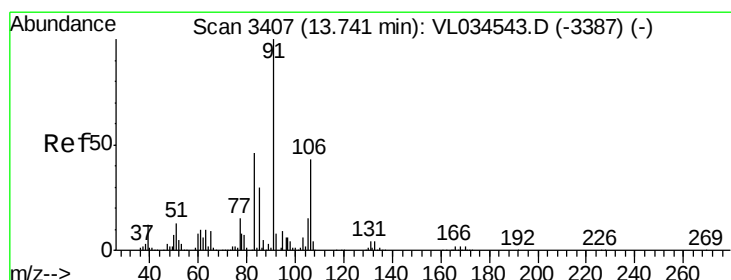
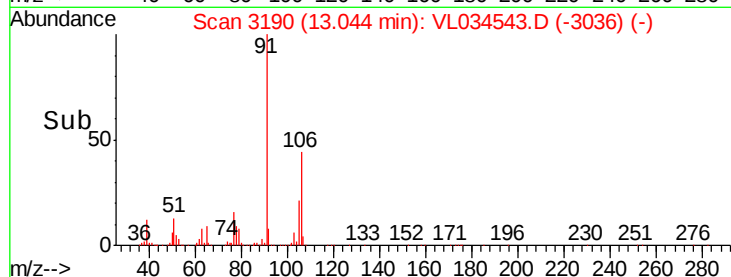
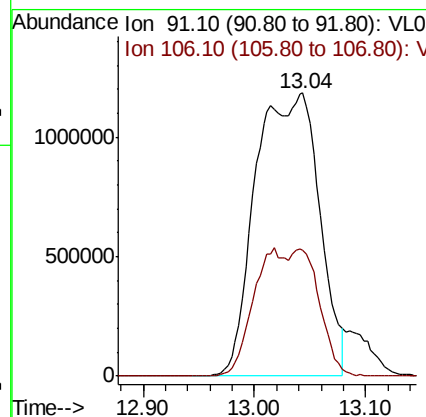
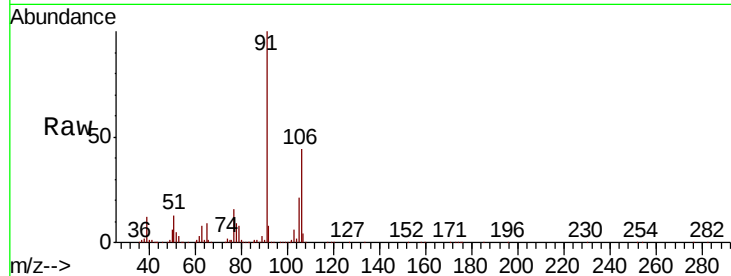
#59
m/p-Xylene
Concen: 18.638 ppbv m
RT: 13.04 min Scan# 3190
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp: 4710710
Ion Ratio Lower Upper
91 100
106 0.0 35.6 53.4#

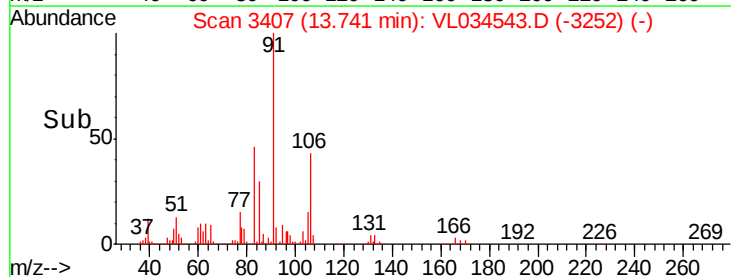
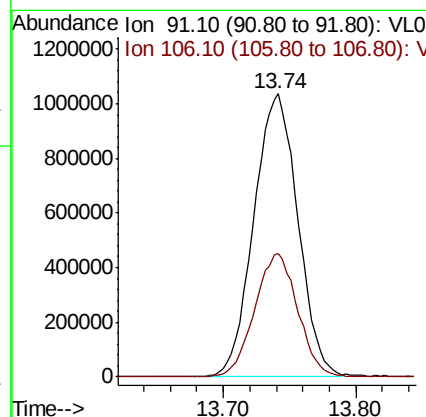
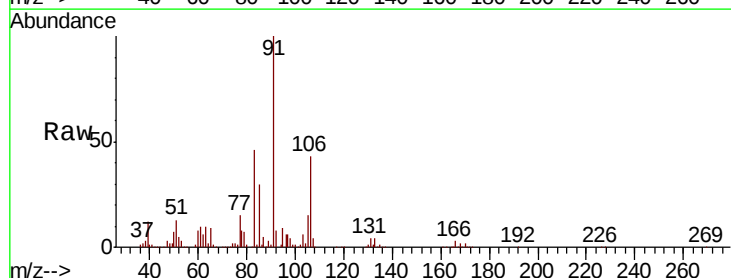
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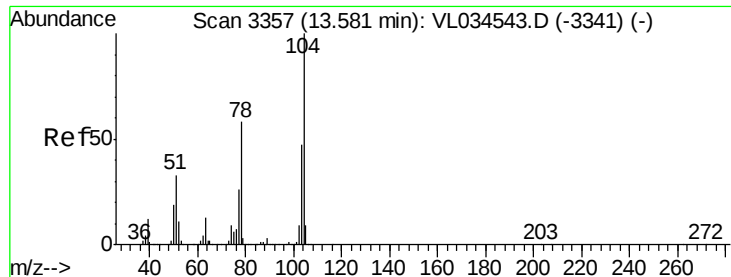
apatel
1/3/2020 11:37:42 AM



#60
o-Xylene
Concen: 9.472 ppbv
RT: 13.74 min Scan# 3407
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Tgt Ion: 91 Resp: 2402254
Ion Ratio Lower Upper
91 100
106 42.6 21.4 64.3





#61

Stvrene

Concen: 10.048 ppbv

RT: 13.58 min Scan# 3357

Delta R.T. 0.01 min

Lab File: VL034543.D

Acq: 2 Jan 2020 11:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:104 Resp: 1742318

Ion Ratio Lower Upper

104 100

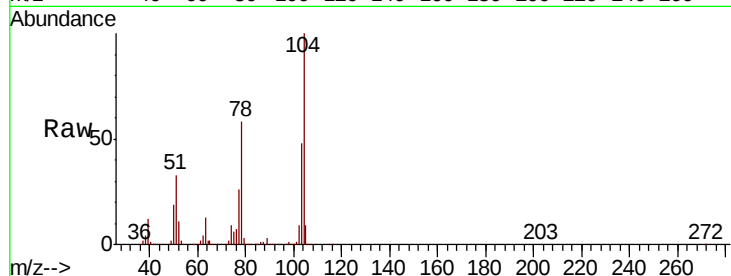
78 60.1 47.7 71.5

103 48.2 38.6 58.0

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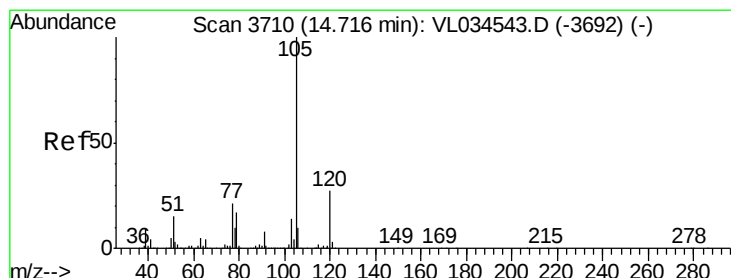
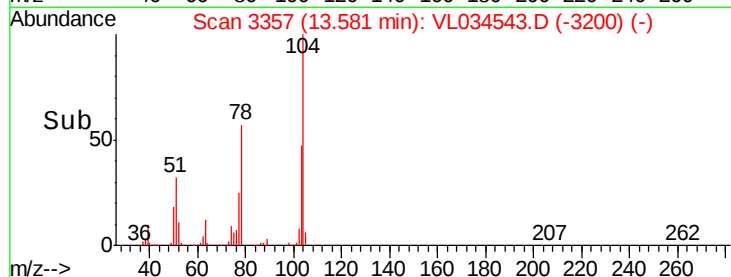
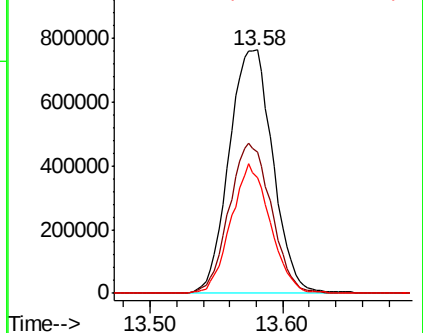
1/3/2020 11:37:42 AM



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 9.341 ppbv

RT: 14.72 min Scan# 3710

Delta R.T. -0.00 min

Lab File: VL034543.D

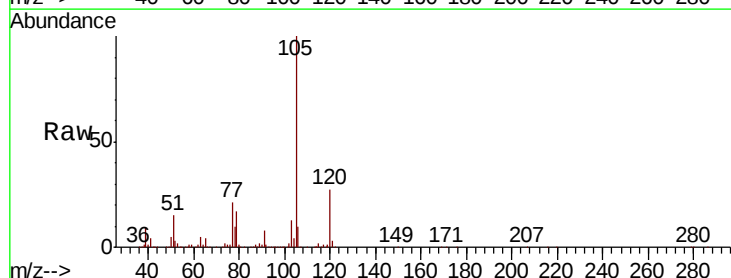
Acq: 2 Jan 2020 11:04

Tgt Ion:105 Resp: 3098928

Ion Ratio Lower Upper

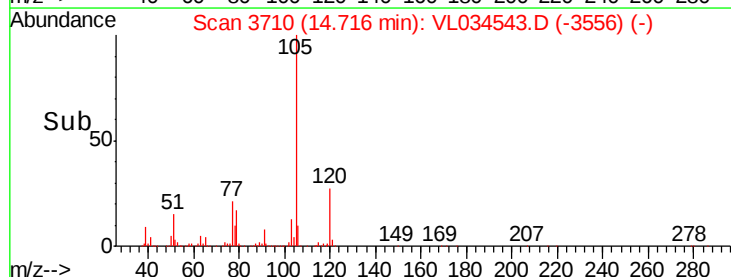
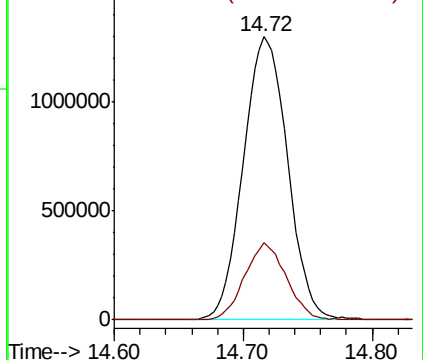
105 100

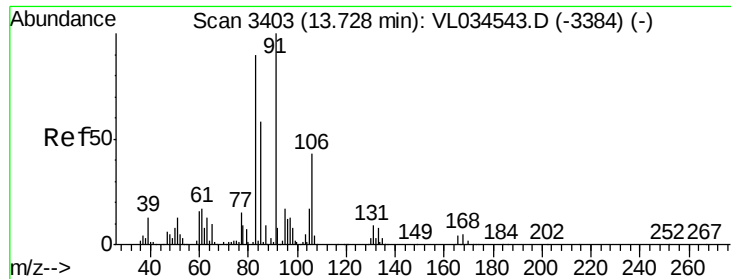
120 25.8 20.6 30.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





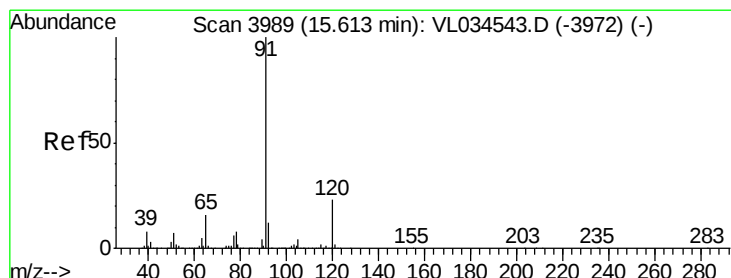
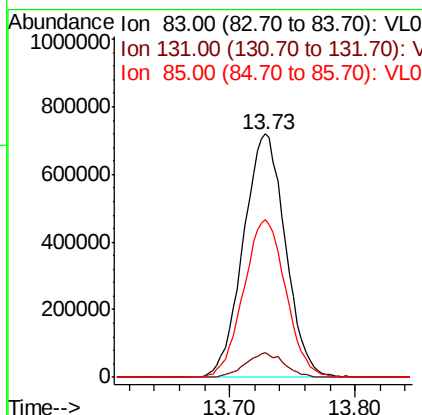
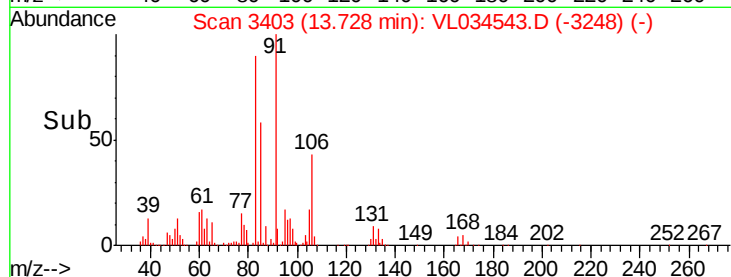
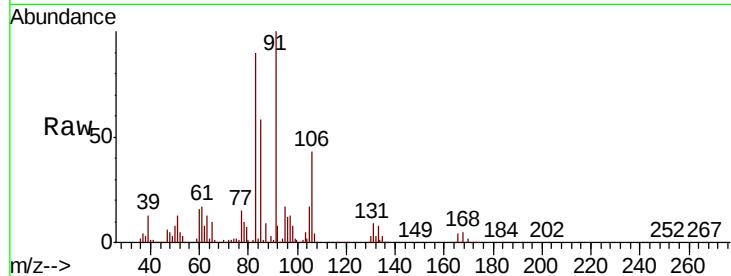
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.241 ppbv
 RT: 13.73 min Scan# 3403
 Delta R.T. -0.00 min
 Lab File: VL034543.D
 Acq: 2 Jan 2020 11:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 83 Resp: 1676680
 Ion Ratio Lower Upper
 83 100
 131 9.4 4.8 14.4
 85 65.3 32.5 97.4

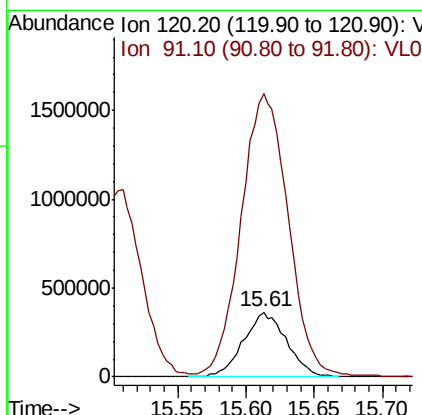
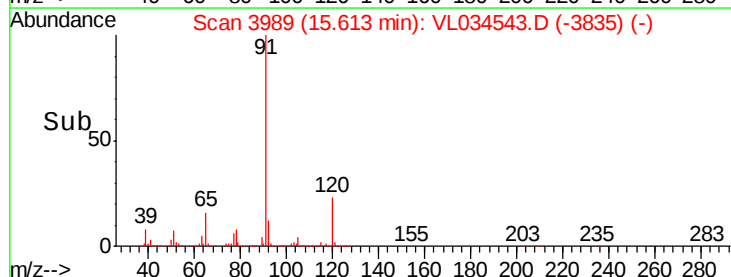
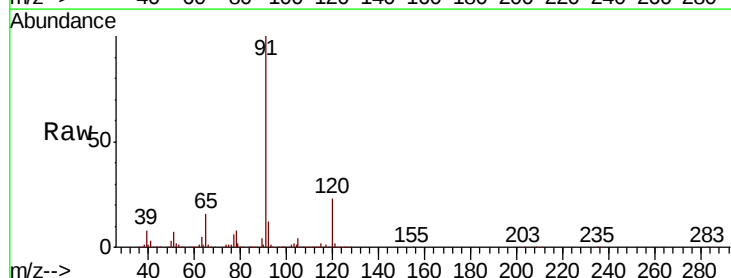
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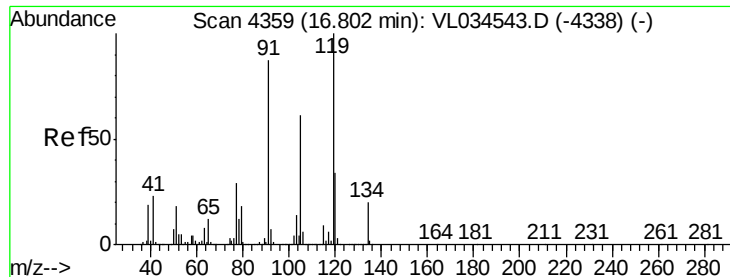
apatel
 1/3/2020 11:37:42 AM



#64
 n-propylbenzene
 Concen: 9.400 ppbv
 RT: 15.61 min Scan# 3989
 Delta R.T. -0.00 min
 Lab File: VL034543.D
 Acq: 2 Jan 2020 11:04

Tgt Ion: 120 Resp: 796318
 Ion Ratio Lower Upper
 120 100
 91 481.7 375.6 563.4





#65

tert-Butylbenzene

Concen: 9.354 ppbv

RT: 16.80 min Scan# 4359

Delta R.T. -0.00 min

Lab File: VL034543.D

Acq: 2 Jan 2020 11:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:119 Resp: 2803668

Ion Ratio Lower Upper

119 100

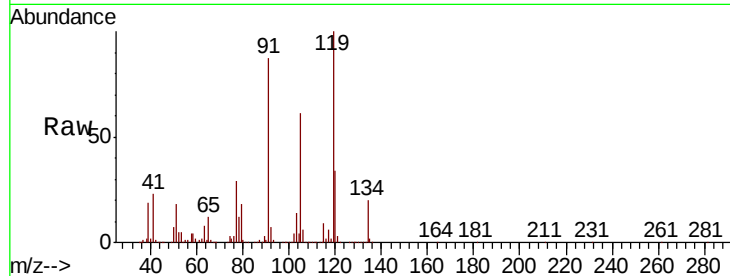
91 89.6 72.0 108.0

134 19.9 16.1 24.1

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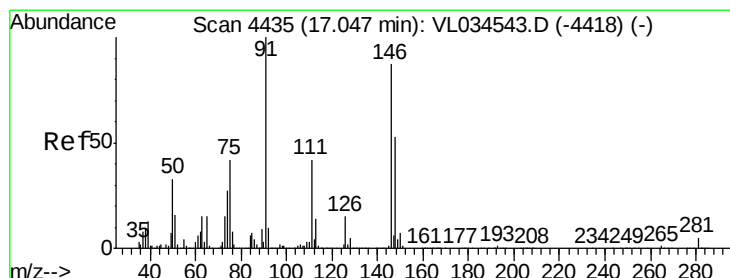
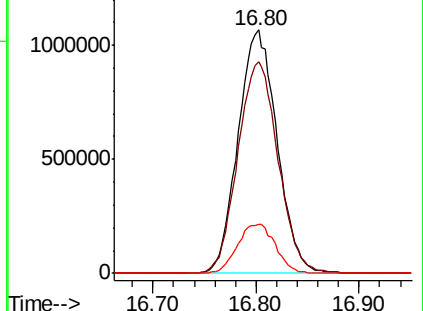
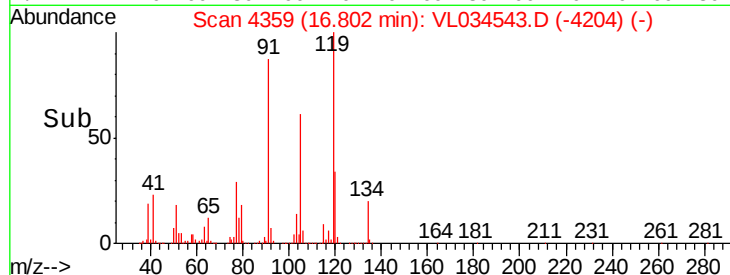
1/3/2020 11:37:42 AM



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: 10.730 ppbv

RT: 17.05 min Scan# 4435

Delta R.T. -0.00 min

Lab File: VL034543.D

Acq: 2 Jan 2020 11:04

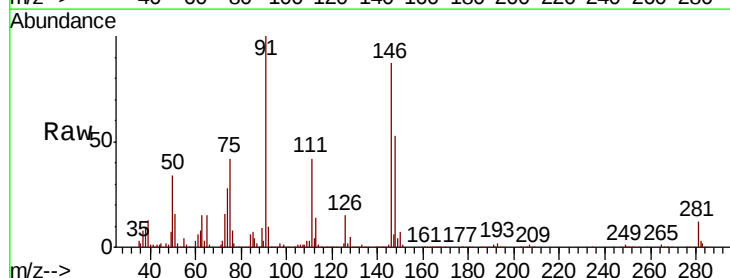
Tgt Ion: 91 Resp: 1409499

Ion Ratio Lower Upper

91 100

126 16.3 13.1 19.7

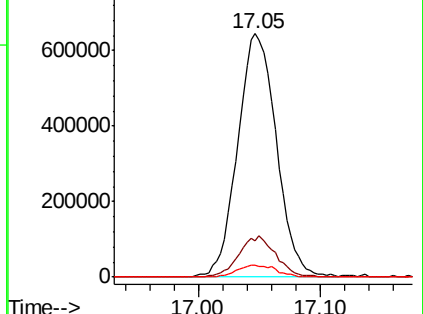
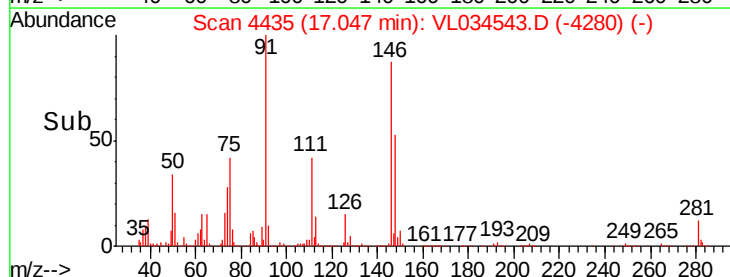
128 5.1 4.2 6.4

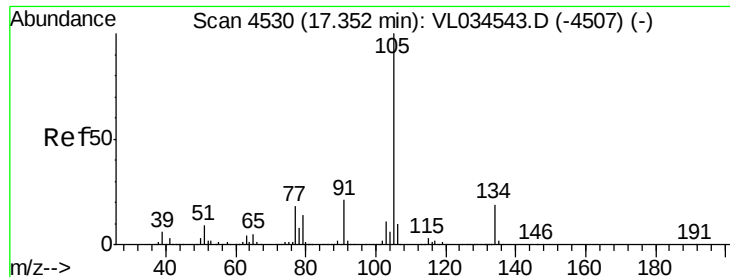


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





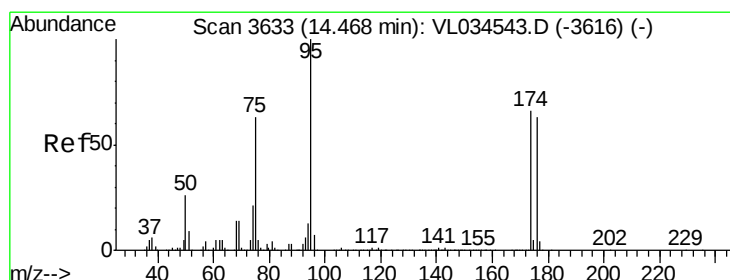
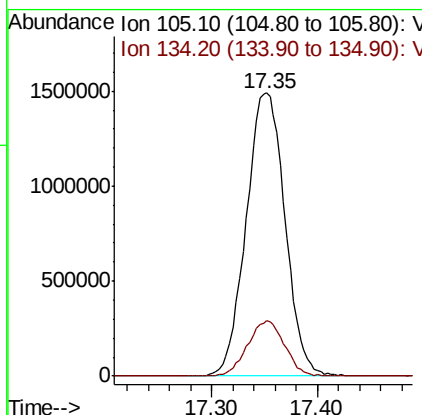
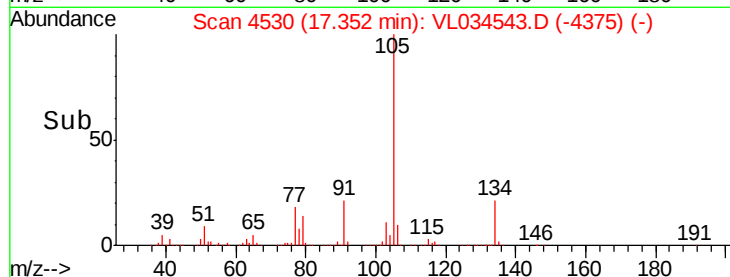
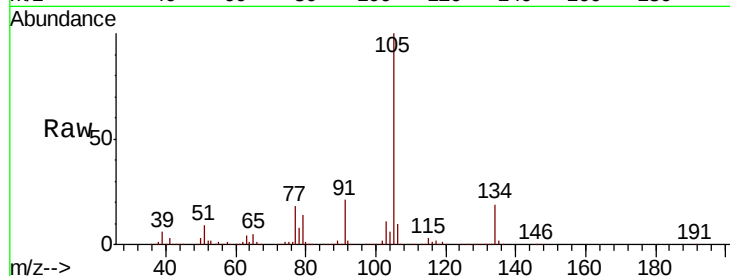
#67
 sec-Butylbenzene
 Concen: 9.064 ppbv
 RT: 17.35 min Scan# 4530
 Delta R.T. -0.00 min
 Lab File: VL034543.D
 Acq: 2 Jan 2020 11:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:105 Resp: 3815121
 Ion Ratio Lower Upper
 105 100
 134 18.8 15.1 22.7

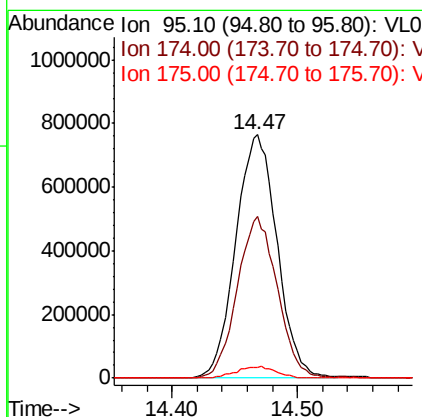
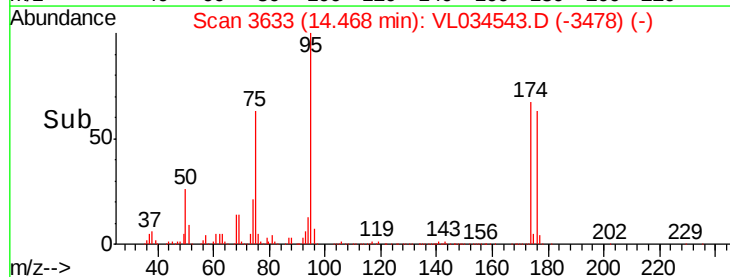
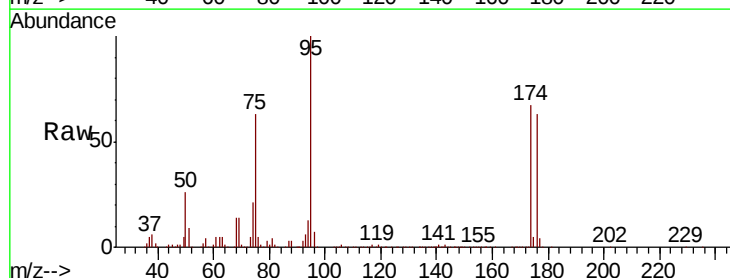
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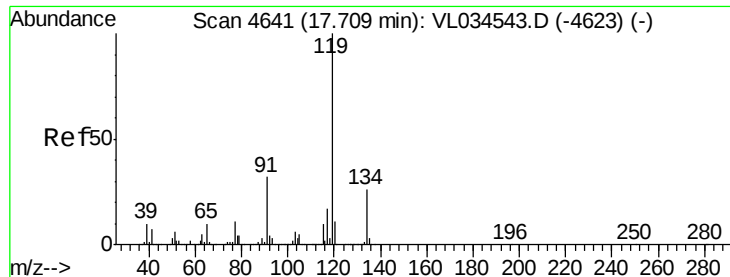
apatel
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.755 ppbv
 RT: 14.47 min Scan# 3633
 Delta R.T. -0.00 min
 Lab File: VL034543.D
 Acq: 2 Jan 2020 11:04

Tgt Ion: 95 Resp: 1744670
 Ion Ratio Lower Upper
 95 100
 174 65.0 52.4 78.6
 175 4.7 3.9 5.9





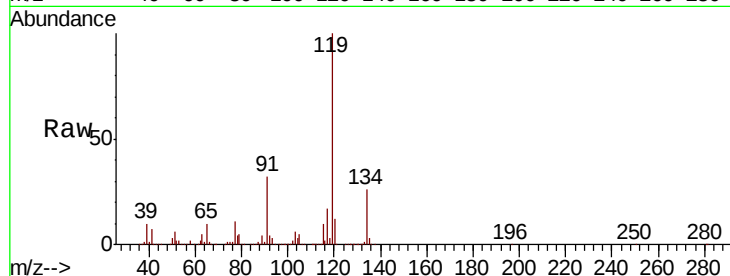
#69
p-Isopropyltoluene
Concen: 9.326 ppbv
RT: 17.71 min Scan# 4641
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.5	20.7	31.1
91	33.4	26.6	39.8

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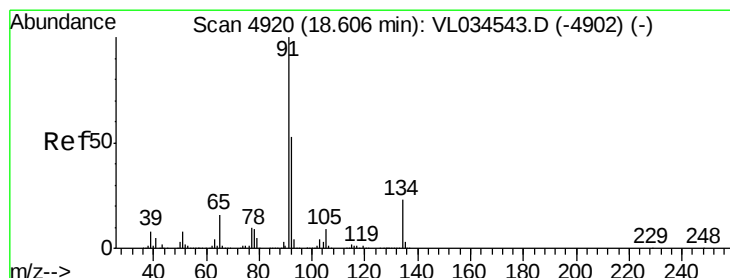
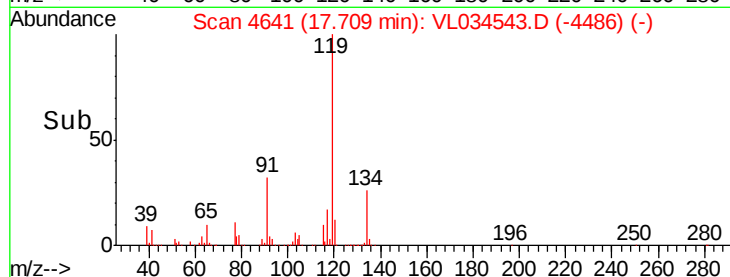
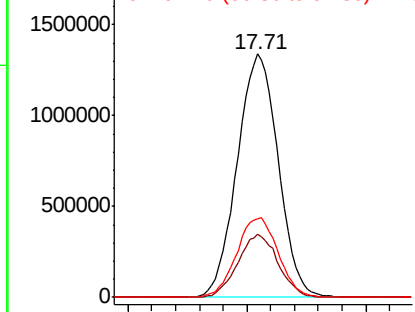


Abundance

Ion 119.10 (118.80 to 119.80): V

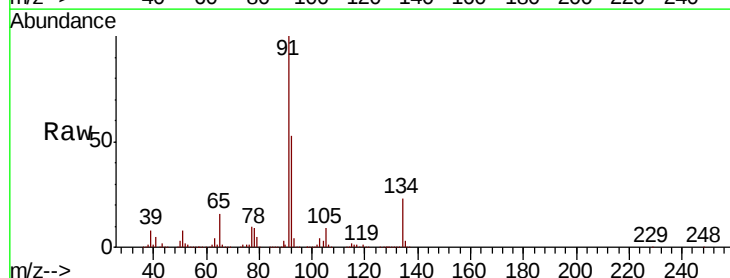
Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70
n-Butylbenzene
Concen: 9.128 ppbv
RT: 18.61 min Scan# 4920
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.3	43.8	65.6
134	22.6	18.0	27.0

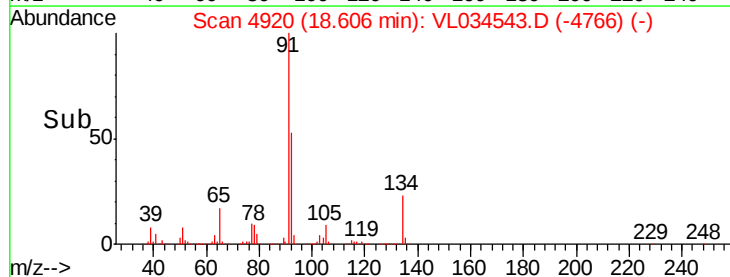
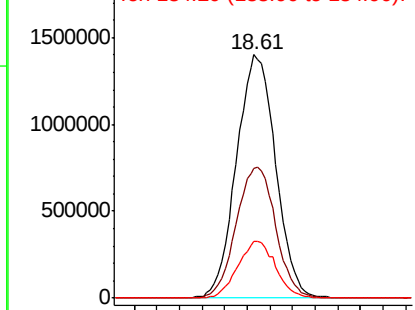


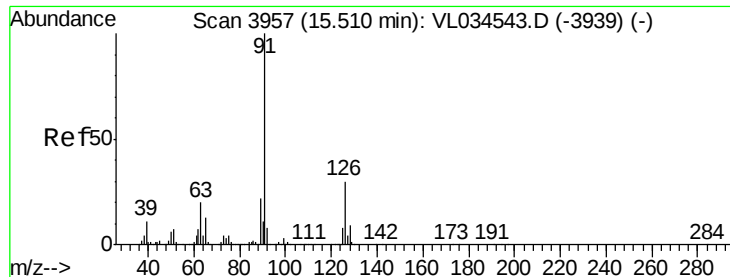
Abundance

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





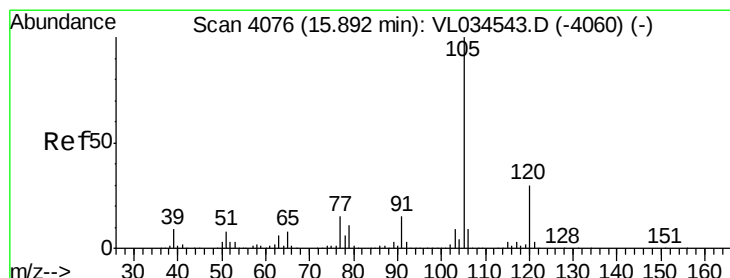
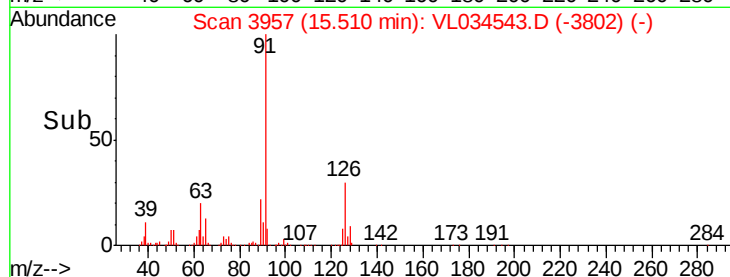
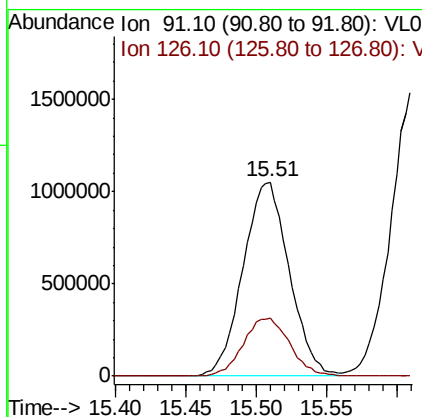
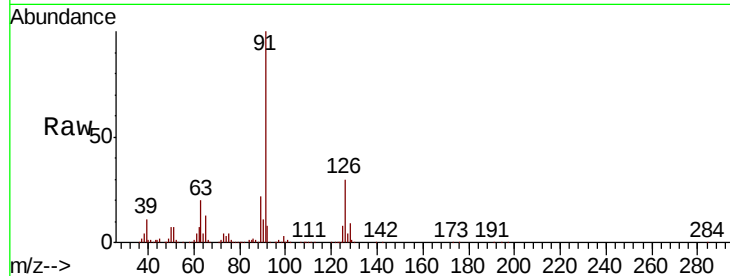
#71
 2-Chlorotoluene
 Concen: 9.332 ppbv
 RT: 15.51 min Scan# 3957
 Delta R.T. -0.00 min
 Lab File: VL034543.D
 Acq: 2 Jan 2020 11:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 91 Resp: 2404259
 Ion Ratio Lower Upper
 91 100
 126 30.4 12.0 47.8

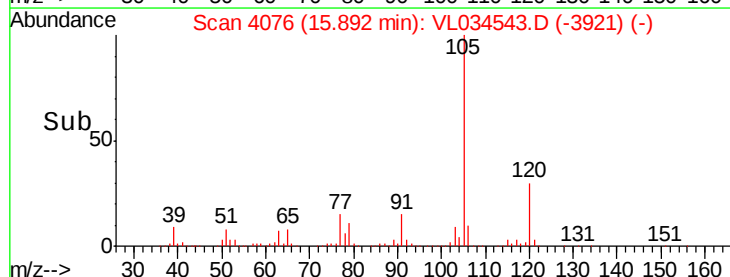
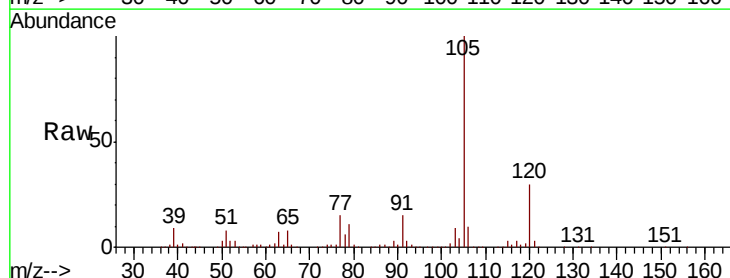
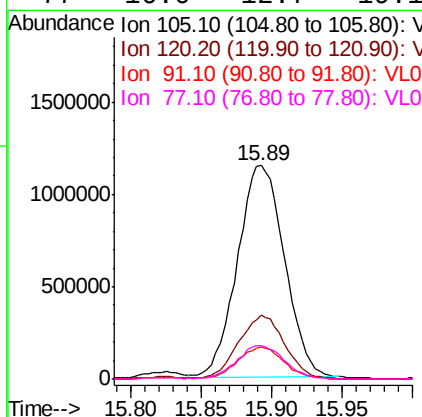
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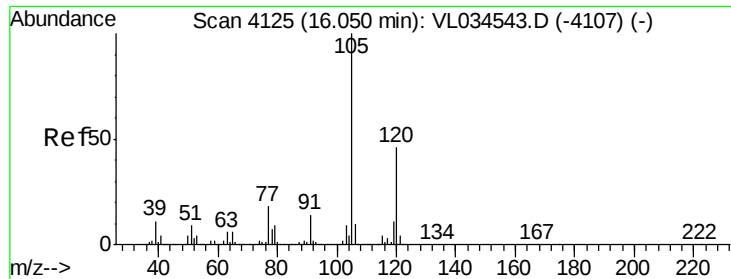
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#72
 4-Ethyltoluene
 Concen: 9.441 ppbv
 RT: 15.89 min Scan# 4076
 Delta R.T. -0.00 min
 Lab File: VL034543.D
 Acq: 2 Jan 2020 11:04

Tgt Ion: 105 Resp: 2679326
 Ion Ratio Lower Upper
 105 100
 120 29.6 23.7 35.5
 91 14.9 11.5 17.3
 77 16.0 12.7 19.1





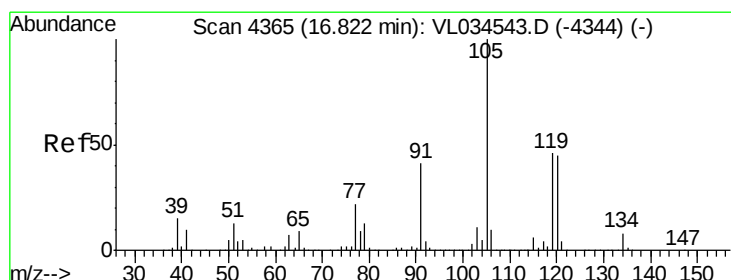
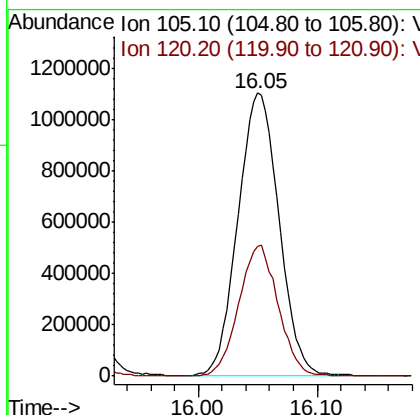
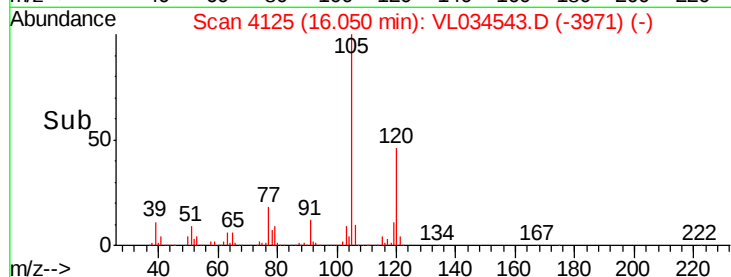
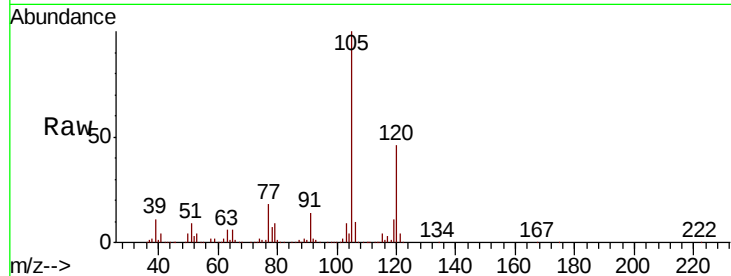
#73
 1,3,5-Trimethylbenzene
 Concen: 9.449 ppbv
 RT: 16.05 min Scan# 4125
 Delta R.T. -0.00 min
 Lab File: VL034543.D
 Acq: 2 Jan 2020 11:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:105 Resp: 2631024
 Ion Ratio Lower Upper
 105 100
 120 45.8 34.6 52.0

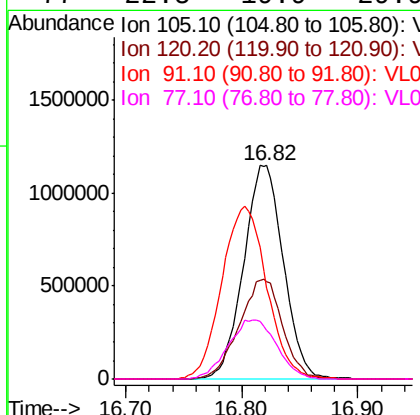
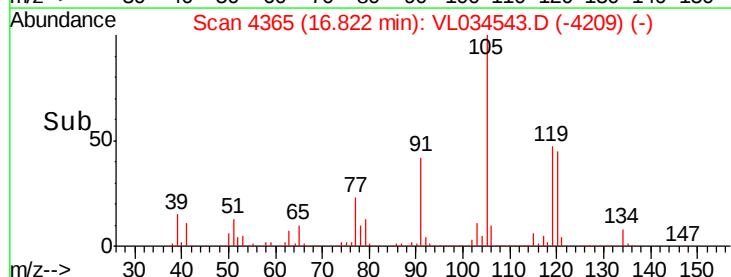
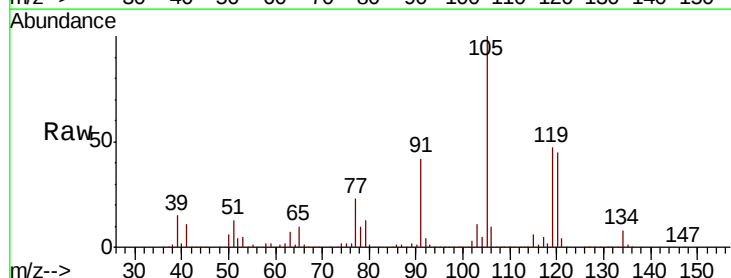
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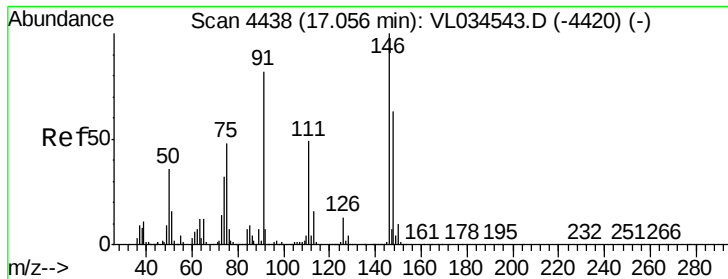
apatel
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#74
 1,2,4-Trimethylbenzene
 Concen: 9.206 ppbv
 RT: 16.82 min Scan# 4365
 Delta R.T. 0.00 min
 Lab File: VL034543.D
 Acq: 2 Jan 2020 11:04

Tgt Ion:105 Resp: 2742183
 Ion Ratio Lower Upper
 105 100
 120 45.2 36.7 55.1
 91 42.2 44.0 66.0#
 77 22.5 19.9 29.9





#75

1,3-Dichlorobenzene

Concen: 8.680 ppbv

RT: 17.06 min Scan# 4438

Delta R.T. -0.00 min

Lab File: VL034543.D

Acq: 2 Jan 2020 11:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:146 Resp: 1548532

Ion Ratio Lower Upper

146 100

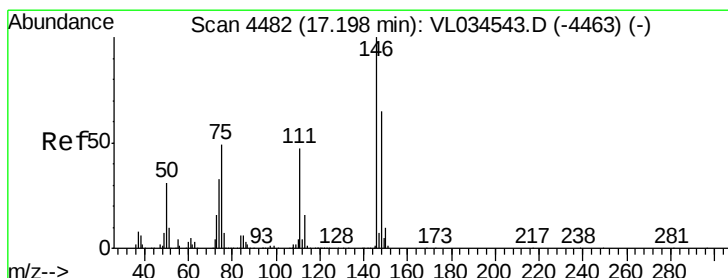
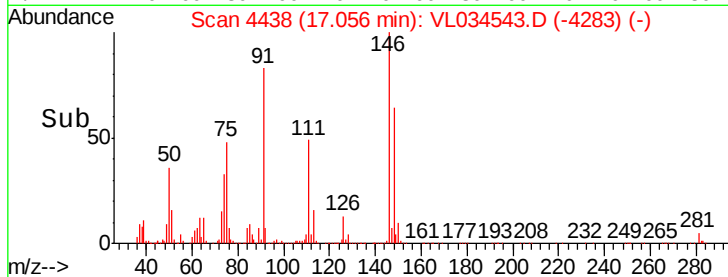
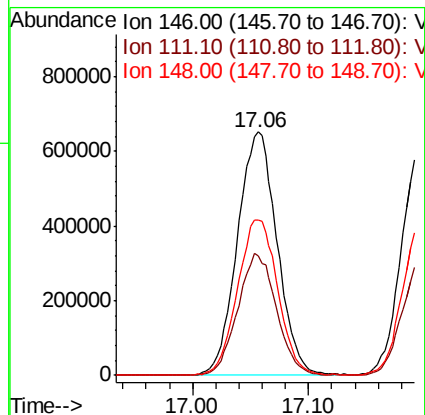
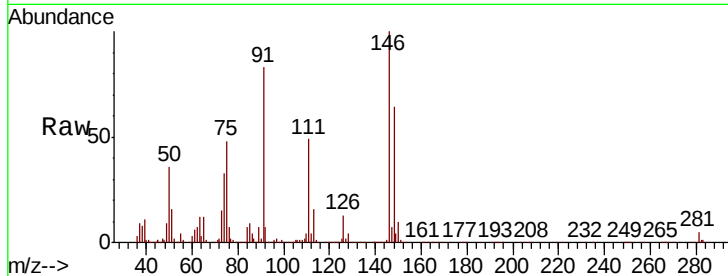
111 49.0 25.1 75.3

148 64.8 33.0 99.0

Manual Integrations
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apatel

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#76

1,4-Dichlorobenzene

Concen: 8.977 ppbv

RT: 17.20 min Scan# 4482

Delta R.T. -0.00 min

Lab File: VL034543.D

Acq: 2 Jan 2020 11:04

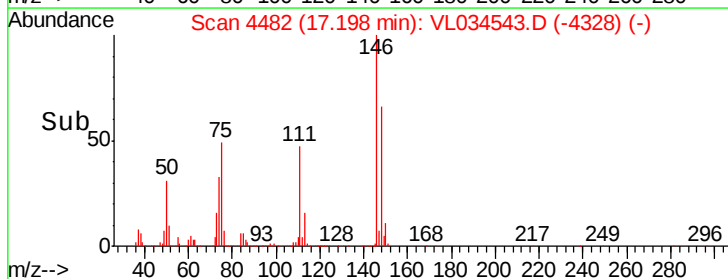
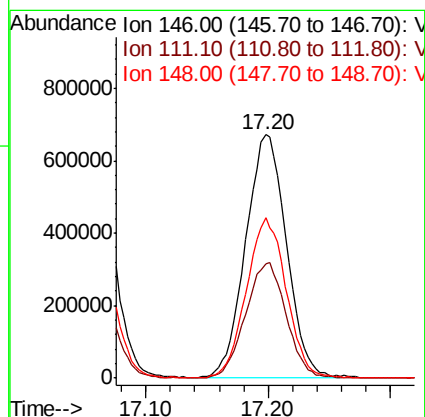
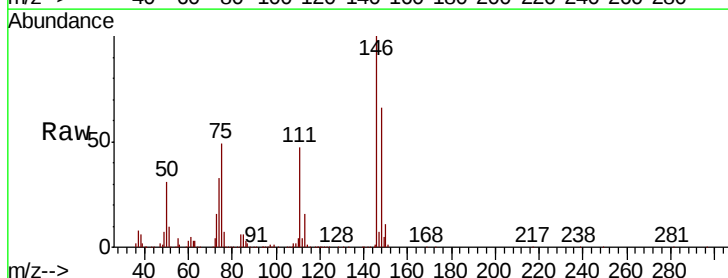
Tgt Ion:146 Resp: 1541875

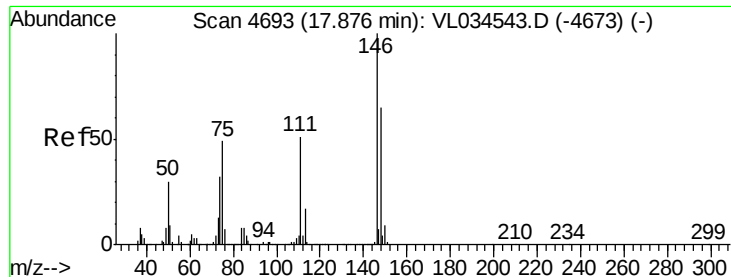
Ion Ratio Lower Upper

146 100

111 47.7 23.5 70.6

148 65.1 32.1 96.3





#77

1,2-Dichlorobenzene

Concen: 8.759 ppbv

RT: 17.88 min Scan# 4693

Delta R.T. -0.00 min

Lab File: VL034543.D

Acq: 2 Jan 2020 11:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:146 Resp: 1468578

Ion Ratio Lower Upper

146 100

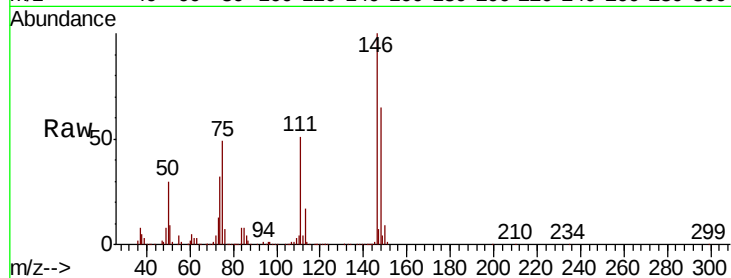
111 50.6 25.3 75.8

148 65.2 32.1 96.3

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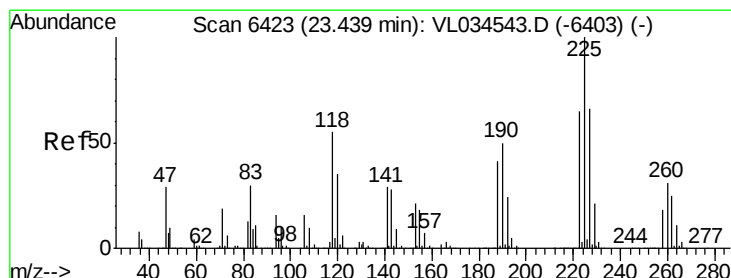
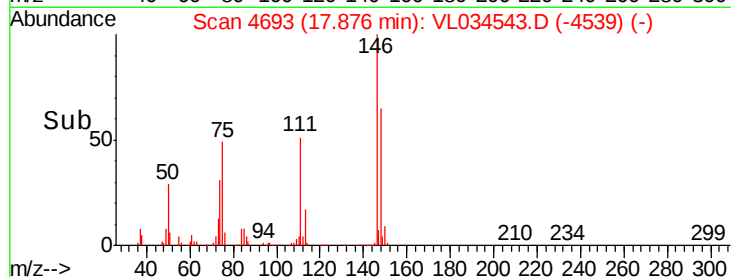
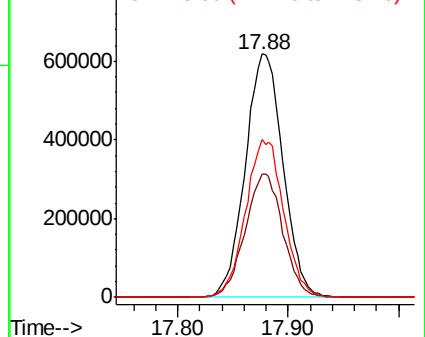


Abundance

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: 8.561 ppbv

RT: 23.44 min Scan# 6423

Delta R.T. -0.00 min

Lab File: VL034543.D

Acq: 2 Jan 2020 11:04

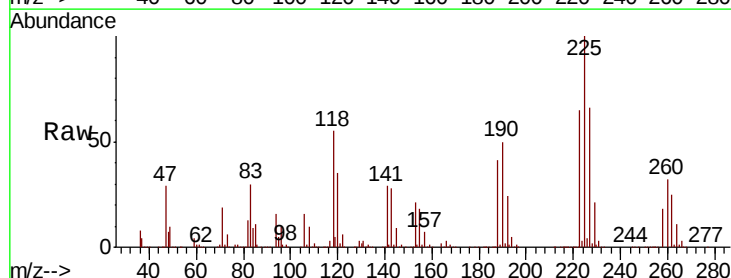
Tgt Ion:225 Resp: 1362479

Ion Ratio Lower Upper

225 100

223 64.1 51.0 76.6

227 64.9 51.8 77.6

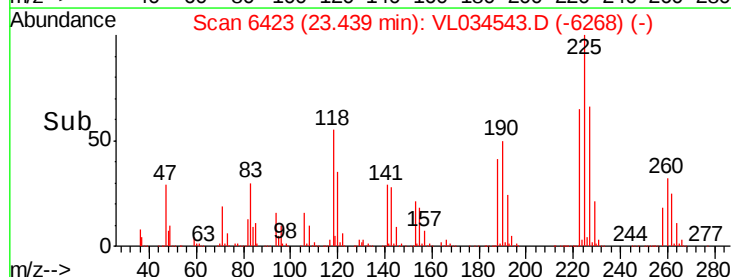
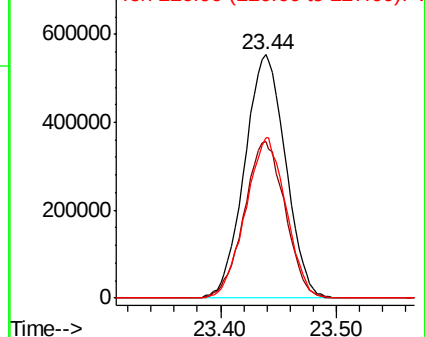


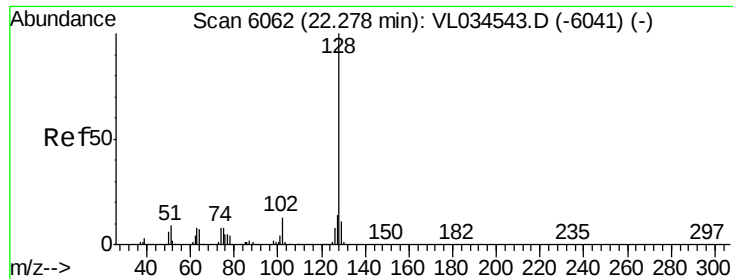
Abundance

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





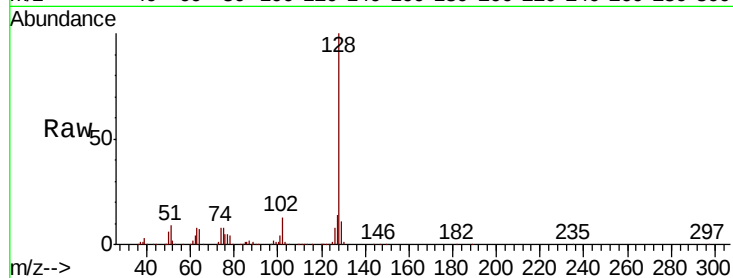
#79
Naphthalene
Concen: 11.157 ppbv
RT: 22.28 min Scan# 6062
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.6	15.8
129	11.1	8.7	13.1

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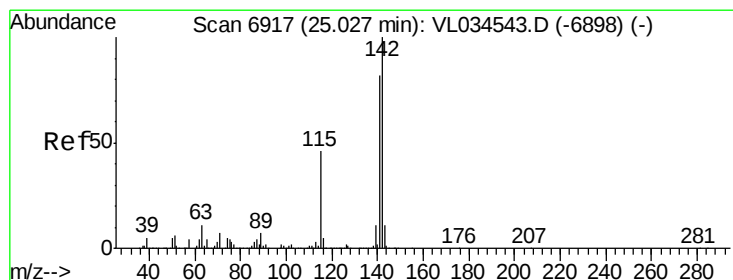
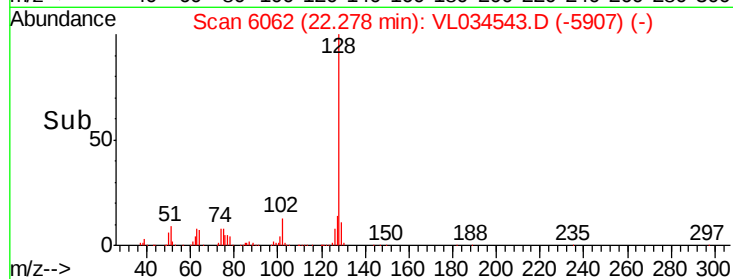
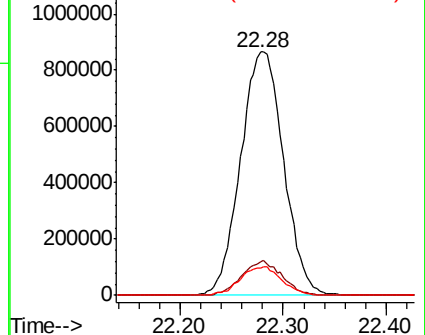


Abundance

Ion 128.10 (127.80 to 128.80): V

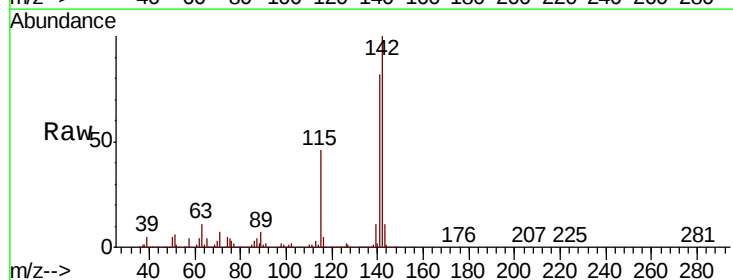
Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80
Naphthalene, 2-methyl-
Concen: 21.984 ppbv
RT: 25.03 min Scan# 6917
Delta R.T. -0.00 min
Lab File: VL034543.D
Acq: 2 Jan 2020 11:04

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.6	65.8	98.8
115	47.6	30.4	45.6

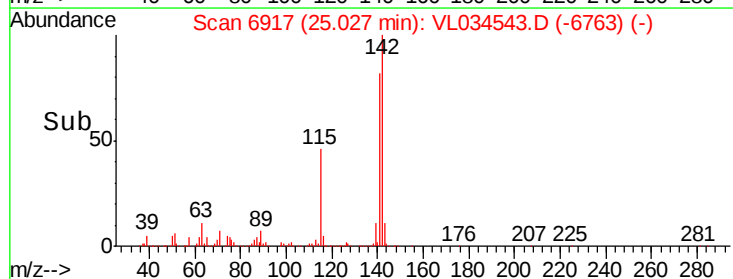
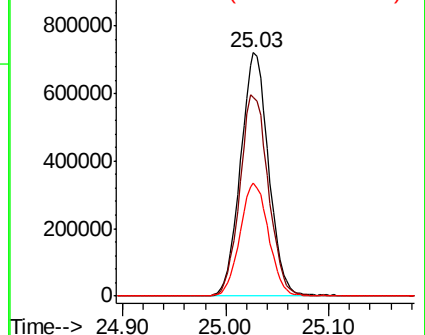


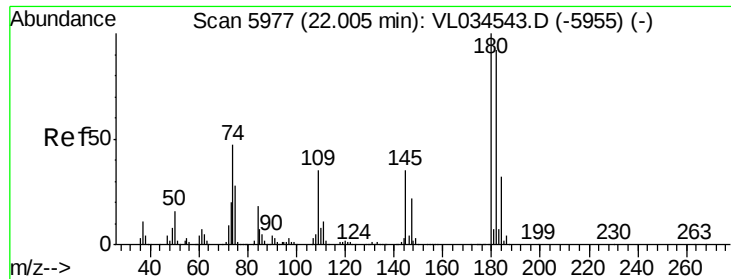
Abundance

Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 10.252 ppbv
 RT: 22.00 min Scan# 5977
 Delta R.T. -0.00 min
 Lab File: VL034543.D
 Acq: 2 Jan 2020 11:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.5	77.8	116.8
184	31.1	25.2	37.8

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