

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030420\
 Data File : VL034776.D
 Acq On : 4 Mar 2020 1:23
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

apatel
 3/4/2020 4:44:52 PM

Quant Time: Mar 04 06:05:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030420AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 04
 QLast Update : Wed Mar 04 05:54:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1135004	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.21	114	2383831	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.14	117	2548684m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.48	95	2020954	9.67	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.70%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.02	85	1379374	7.706	ppbv 100
3) Chlorodifluoromethane	2.96	51	1154287	9.390	ppbv 100
4) Chloromethane	3.11	50	635537	9.320	ppbv 100
5) Vinyl Chloride	3.23	62	620908	9.261	ppbv 100
6) Bromomethane	3.46	94	366275	9.340	ppbv 100
7) Chloroethane	3.54	64	231691	9.345	ppbv 100
8) Dichlorotetrafluoroethane	3.17	85	1411188	8.925	ppbv 100
9) Propene	2.98	41	490245	9.595	ppbv 100
10) Heptane	8.16	43	1323612	10.047	ppbv 100
11) Trichlorofluoromethane	3.94	101	1436790	9.159	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	982399	8.917	ppbv 100
13) Ethanol	3.59	45	143792	8.932	ppbv 100
14) Bromoethene	3.73	108	445905	9.650	ppbv 100
15) Acetone	3.84	43	1128181	8.711	ppbv 100
16) 1,3-Butadiene	3.31	39	592686	9.861	ppbv 100
17) tert-Butyl alcohol	4.29	59	1118179	11.261	ppbv 100
18) 1,1-Dichloroethene	4.29	96	455332	9.203	ppbv 100
19) Isopropyl Alcohol	3.96	45	862800	11.168	ppbv 99
20) Methylene Chloride	4.34	84	400058	8.339	ppbv 100
21) Allyl Chloride	4.41	41	800476	9.436	ppbv 100
22) trans-1,2-Dichloroethene	4.89	96	438238	9.169	ppbv 100
23) Vinyl Acetate	5.08	43	1836752	10.433	ppbv 100
24) 1,1-Dichloroethane	5.02	63	1292563	9.225	ppbv 100
25) Ethyl Acetate	5.69	43	2222607	9.691	ppbv 100
26) Hexane	5.70	57	998749	9.475	ppbv 100
27) Carbon Disulfide	4.55	76	1159848	9.797	ppbv 100
28) Methyl tert-Butyl Ether	5.04	73	1485671	9.882	ppbv 100
29) Chloroform	5.77	83	1556507	9.261	ppbv 100
30) Cyclohexane	7.16	84	822959	10.063	ppbv 100
31) cis-1,2-Dichloroethene	5.56	61	1049884	10.114	ppbv 100
32) 1,1,1-Trichloroethane	6.54	97	1521172	9.653	ppbv 100
34) 2-Butanone	5.25	43	1485934	9.868	ppbv 100
35) Carbon Tetrachloride	7.05	117	1550802	9.705	ppbv 100
36) Benzene	6.92	78	1965995	9.571	ppbv 100
37) 1,2-Dichloroethane	6.33	62	1279365	9.788	ppbv 100
38) Trichloroethene	7.87	130	738833	9.315	ppbv 100
39) 1,2-Dichloropropane	7.65	63	784040	9.617	ppbv 100
40) 1,4-Dioxane	7.87	88	290797	10.487	ppbv # 99
41) Tetrahydrofuran	6.07	42	809501	10.260	ppbv 100
42) Bromodichloromethane	7.83	83	1724314	10.085	ppbv 100
43) Methyl Methacrylate	8.05	69	906988	10.502	ppbv 100

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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 04
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.91	57	3433486	9.559	ppbv	100
45) t-1,3-Dichloropropene	9.32	75	1055917	11.264	ppbv	100
46) cis-1,3-Dichloropropene	8.75	75	1227357	10.891	ppbv	100
47) 1,1,2-Trichloroethane	9.52	97	817621	9.721	ppbv	100
48) Dibromochloromethane	10.36	129	1385620	10.549	ppbv	100
49) Bromoform	13.10	173	1234869	10.799	ppbv	100
50) 4-Methyl-2-Pentanone	8.78	43	2220759	10.398	ppbv	100
51) 2-Hexanone	10.18	43	1842584	10.952	ppbv	100
52) Tetrachloroethene	11.28	164	694147	9.172	ppbv	100
53) Toluene	9.85	91	2259807	10.330	ppbv	100
54) 1,2-Dibromoethane	10.66	107	1255632	9.995	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.18	131	1032096	9.416	ppbv	100
57) Chlorobenzene	12.21	112	1701841	9.022	ppbv	100
58) Ethyl Benzene	12.77	91	3102641	10.012	ppbv	100
59) m/p-Xylene	13.05	91	5066637m	18.838	ppbv	
60) o-Xylene	13.76	91	2530647	9.441	ppbv	100
61) Styrene	13.59	104	1812232	10.561	ppbv	100
62) Isopropylbenzene	14.73	105	3687905	9.430	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.74	83	1822699	8.727	ppbv	100
64) n-propylbenzene	15.63	120	974289	9.672	ppbv	100
65) tert-Butylbenzene	16.82	119	3224836	9.529	ppbv	100
66) Benzyl Chloride	17.06	91	1297856	10.576	ppbv	100
67) sec-Butylbenzene	17.36	105	4637776	9.506	ppbv	100
69) p-Isopropyltoluene	17.72	119	3847263	9.578	ppbv	100
70) n-Butylbenzene	18.62	91	4190053	9.568	ppbv	100
71) 2-Chlorotoluene	15.52	91	2953433	9.726	ppbv	100
72) 4-Ethyltoluene	15.91	105	2987363	9.991	ppbv	100
73) 1,3,5-Trimethylbenzene	16.07	105	2843906	9.871	ppbv	100
74) 1,2,4-Trimethylbenzene	16.83	105	2936150	9.219	ppbv	100
75) 1,3-Dichlorobenzene	17.07	146	1685971	9.174	ppbv	100
76) 1,4-Dichlorobenzene	17.21	146	1695548	9.244	ppbv	100
77) 1,2-Dichlorobenzene	17.89	146	1640347	9.239	ppbv	100
78) Hexachloro-1,3-Butadiene	23.45	225	1268903	8.296	ppbv	100
79) Naphthalene	22.30	128	2839387	10.116	ppbv	100
80) Naphthalene, 2-methyl-	25.04	142	776591	8.970	ppbv	100
81) 1,2,4-Trichlorobenzene	22.02	180	1631371	9.715	ppbv	100

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

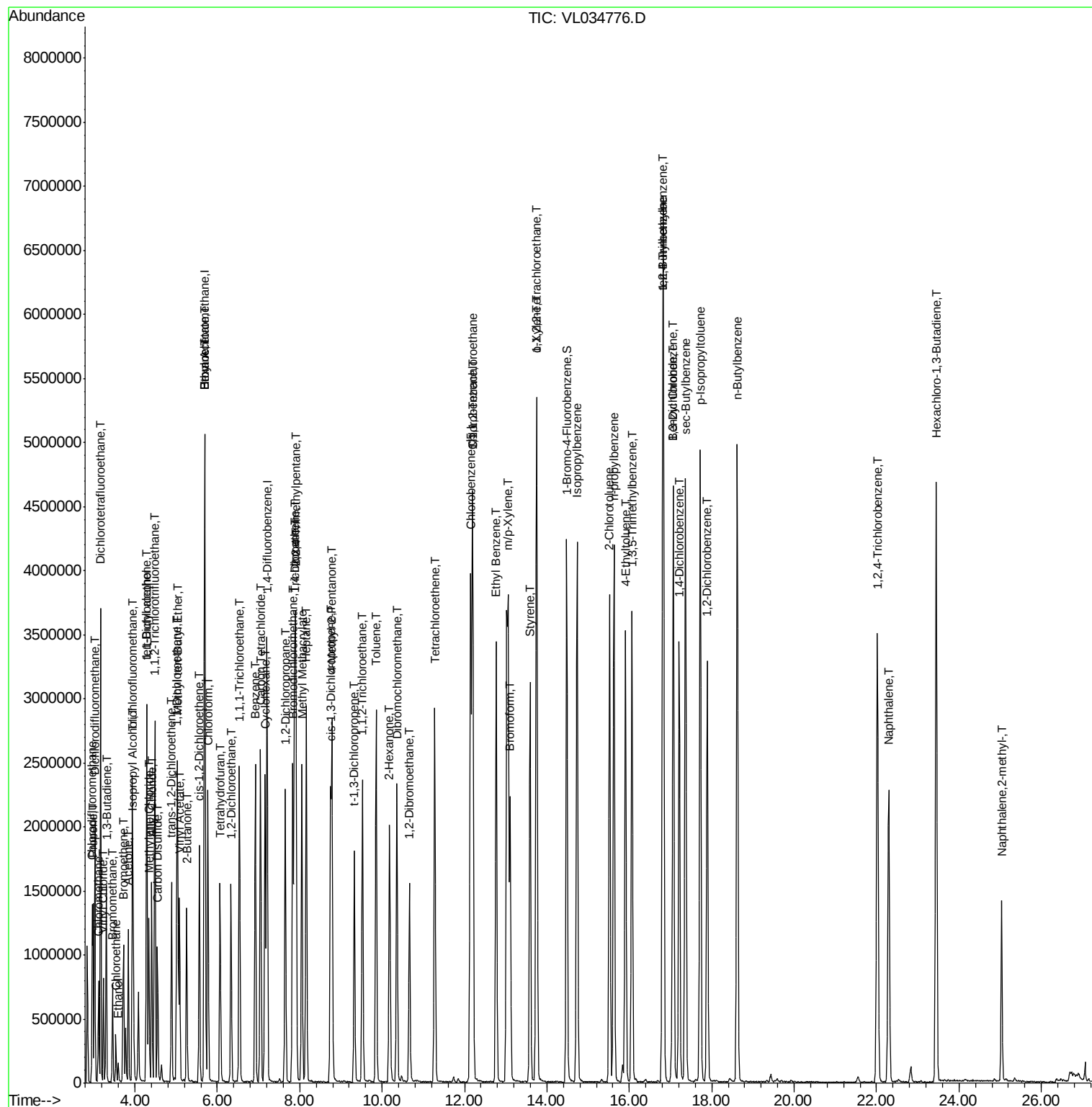
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030420\
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Operator : SY/AP
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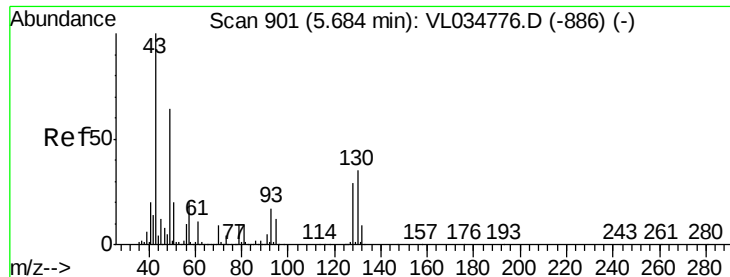
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Mar
QLast Update : Wed Mar 04 05:54:58 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 901

Delta R.T. 0.00 min

Lab File: VL034776.D

Acq: 4 Mar 2020 1:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 49 Resp: 1135004

Ion Ratio Lower Upper

49 100

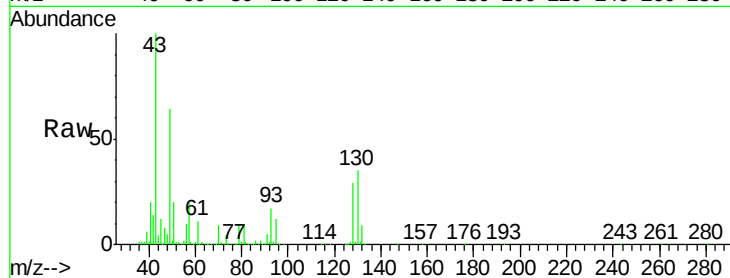
128 43.1 21.6 64.6

130 54.8 27.4 82.2

Manual Integrations
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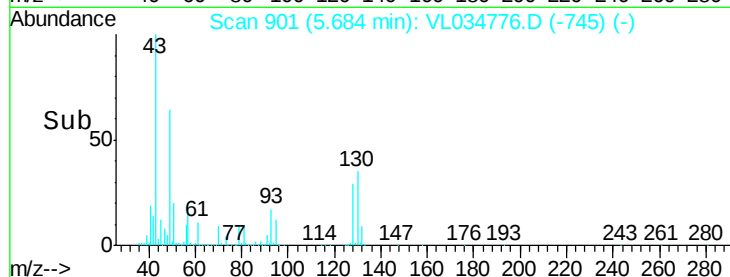
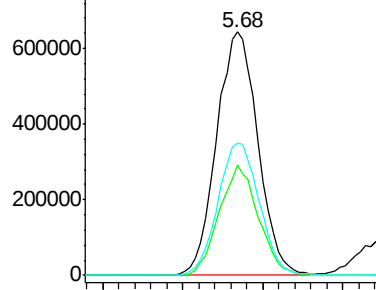
3/4/2020 4:44:52 PM



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: 7.706 ppbv

RT: 3.02 min Scan# 74

Delta R.T. 0.00 min

Lab File: VL034776.D

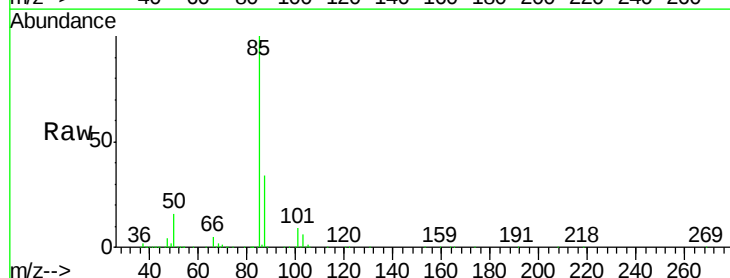
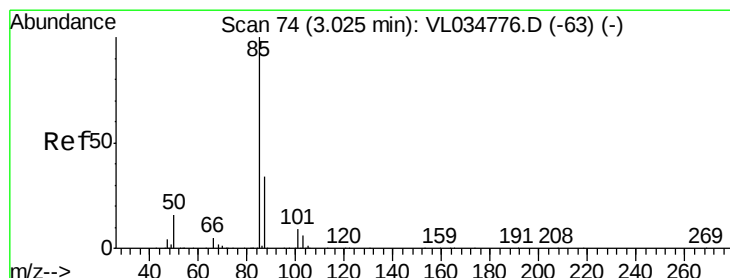
Acq: 4 Mar 2020 1:23

Tgt Ion: 85 Resp: 1379374

Ion Ratio Lower Upper

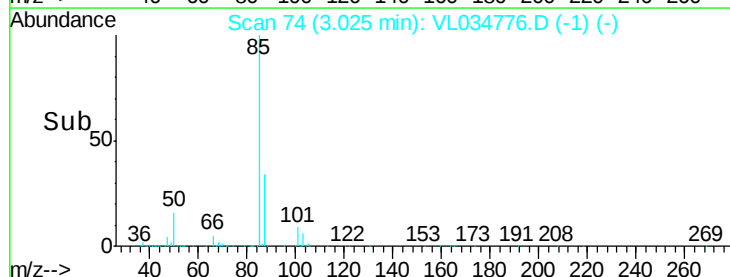
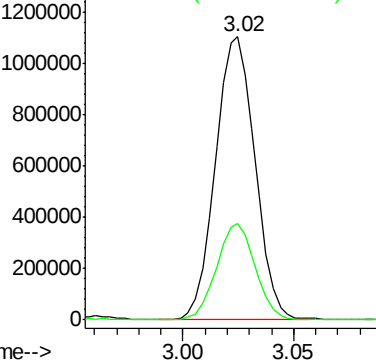
85 100

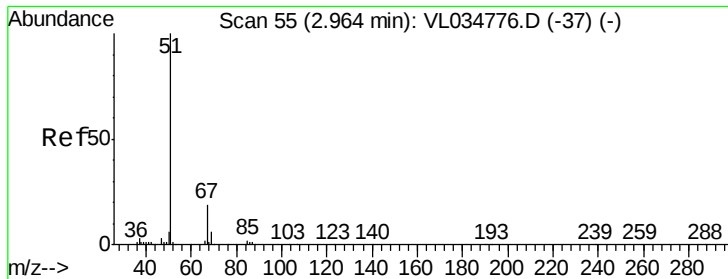
87 34.0 27.2 40.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

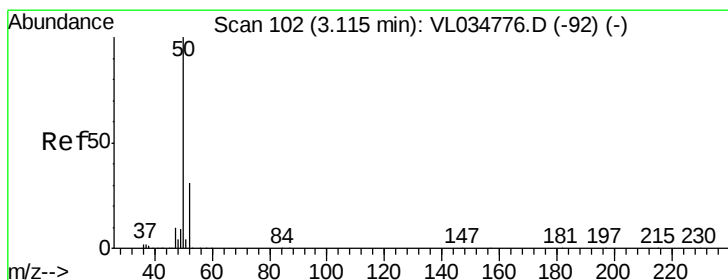
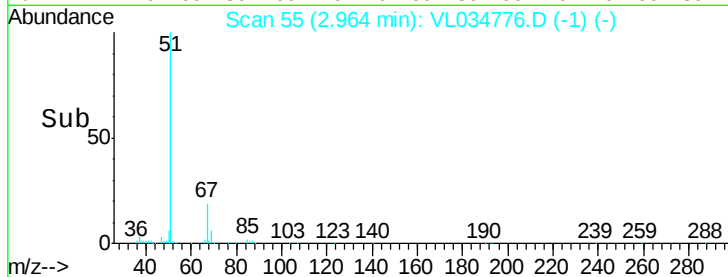
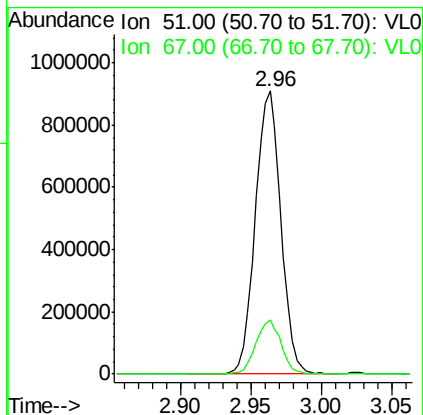
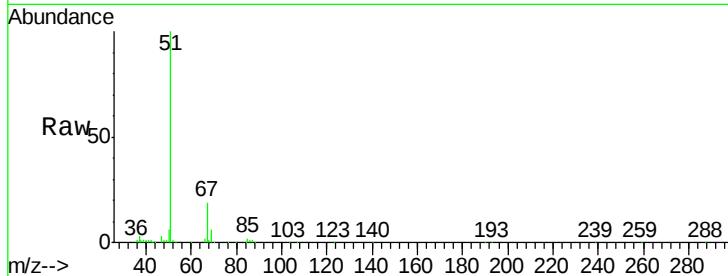
Chlorodifluoromethane
 Concen: 9.390 ppbv
 RT: 2.96 min Scan# 55
 Delta R.T. 0.00 min
 Lab File: VL034776.D
 Acq: 4 Mar 2020 1:23

Instrument :
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 ClientSampleId :
 VSTDICCC010

Tot Ion	51	Resp	1154287
Ion Ratio	Lower	Upper	
51	100		
67	19.1	15.3	22.9

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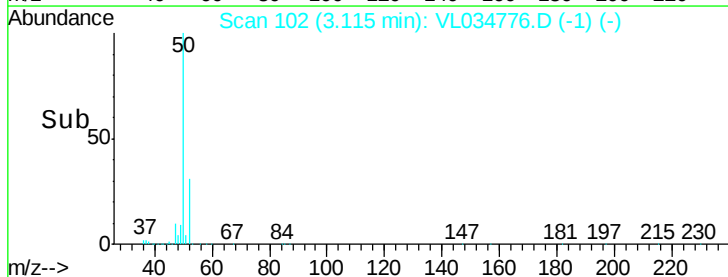
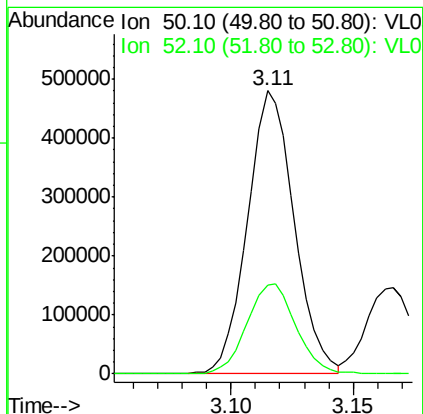
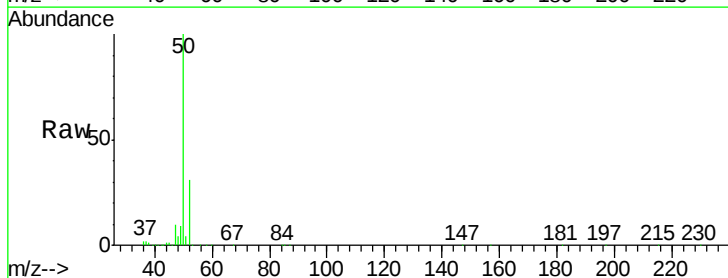
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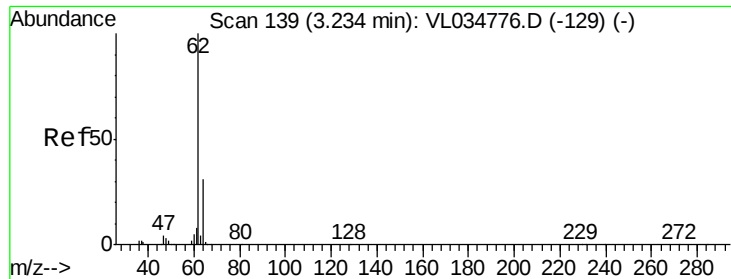


#4

Chloromethane
 Concen: 9.320 ppbv
 RT: 3.11 min Scan# 102
 Delta R.T. 0.00 min
 Lab File: VL034776.D
 Acq: 4 Mar 2020 1:23

Tgt Ion	50	Resp	635537
Ion Ratio	Lower	Upper	
50	100		
52	31.2	25.0	37.4





#5

Vinyl Chloride

Concen: 9.261 ppbv

RT: 3.23 min Scan# 139

Delta R.T. 0.00 min

Lab File: VL034776.D

Acq: 4 Mar 2020 1:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 62 Resp: 620908

Ion Ratio Lower Upper

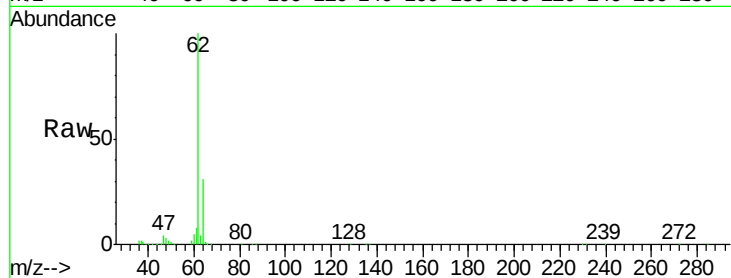
62 100

64 31.4 25.1 37.7

Manual Integrations
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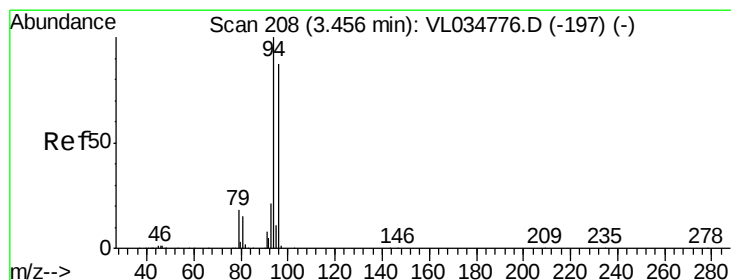
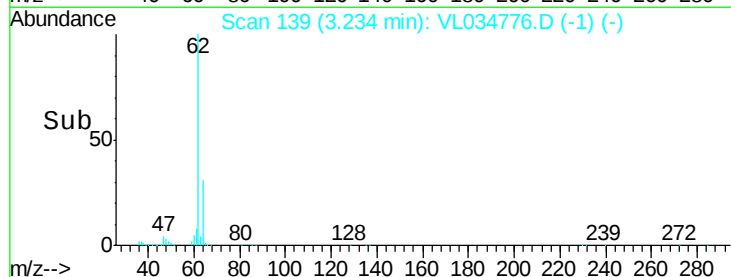
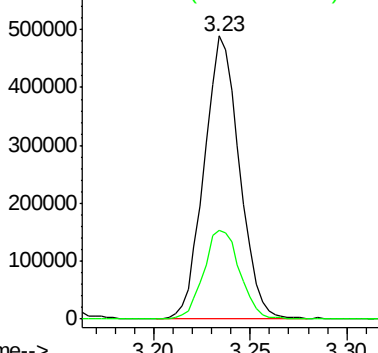
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.340 ppbv

RT: 3.46 min Scan# 208

Delta R.T. 0.00 min

Lab File: VL034776.D

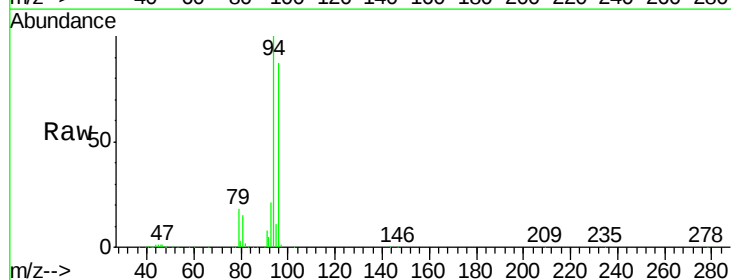
Acq: 4 Mar 2020 1:23

Tgt Ion: 94 Resp: 366275

Ion Ratio Lower Upper

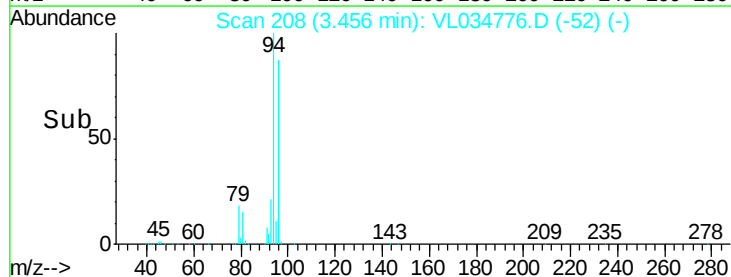
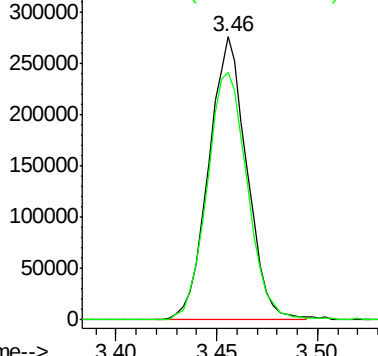
94 100

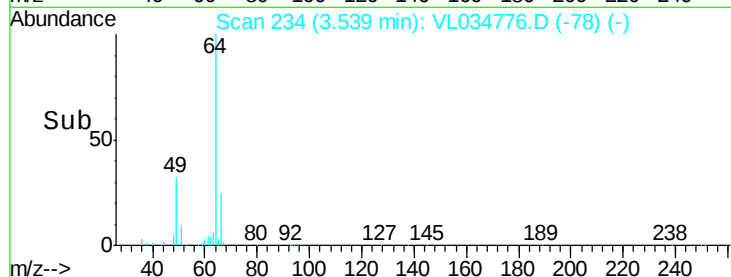
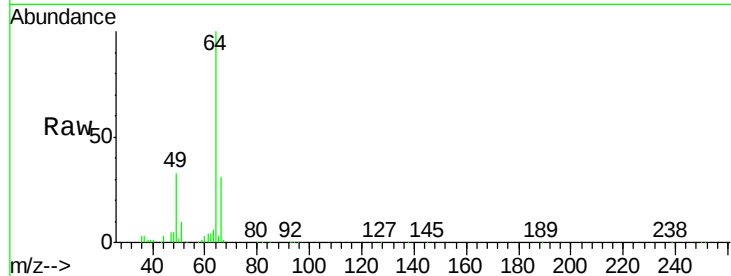
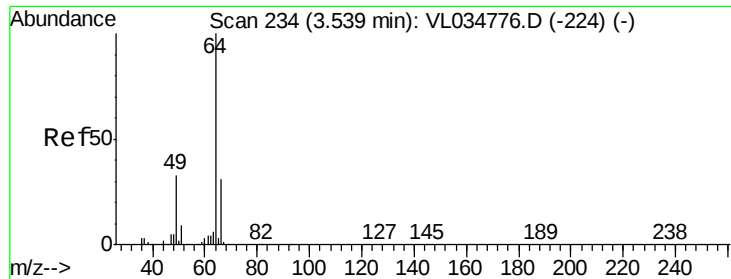
96 87.5 70.0 105.0



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.345 ppbv

RT: 3.54 min Scan# 234

Delta R.T. 0.00 min

Lab File: VL034776.D

Acq: 4 Mar 2020 1:23

Tot Ion: 64 Resp: 231691

Ion Ratio Lower Upper

64 100

66 31.0 24.8 37.2

Instrument :

MSVOA_L

ClientSampleId :

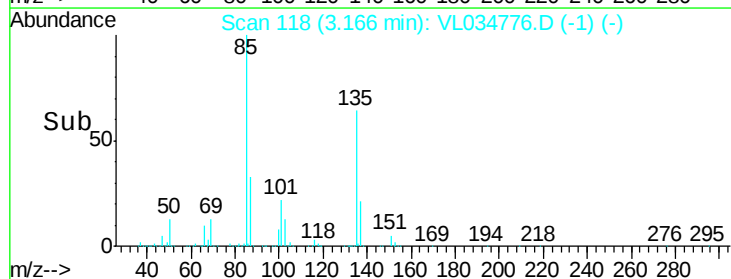
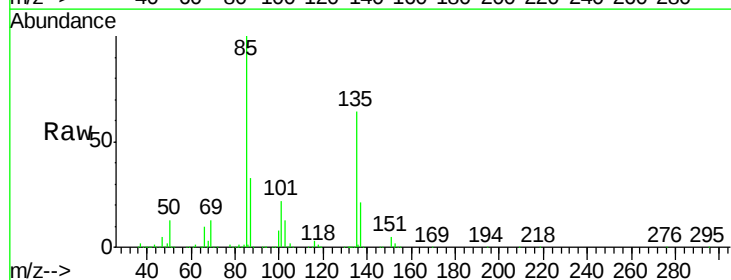
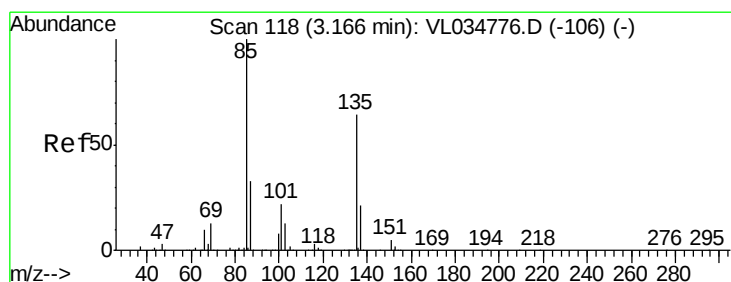
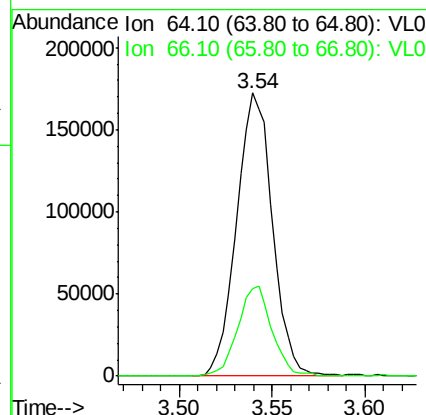
VSTDICCC010

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 8.925 ppbv

RT: 3.17 min Scan# 118

Delta R.T. 0.00 min

Lab File: VL034776.D

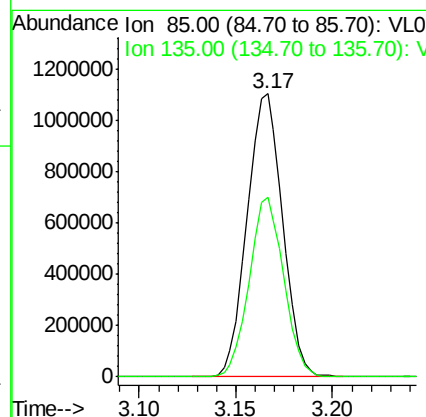
Acq: 4 Mar 2020 1:23

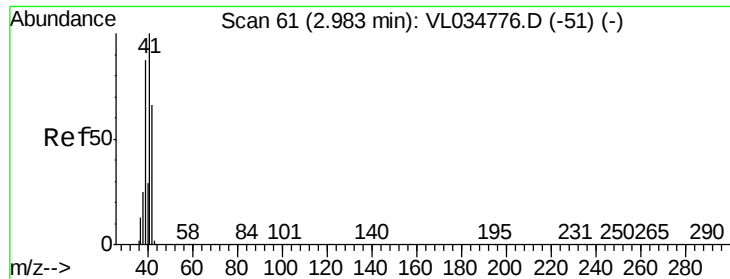
Tgt Ion: 85 Resp: 1411188

Ion Ratio Lower Upper

85 100

135 61.8 49.4 74.2





#9

Propene

Concen: 9.595 ppbv

RT: 2.98 min Scan# 61

Delta R.T. 0.00 min

Lab File: VL034776.D

Acq: 4 Mar 2020 1:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 41 Resp: 490245

Ion Ratio Lower Upper

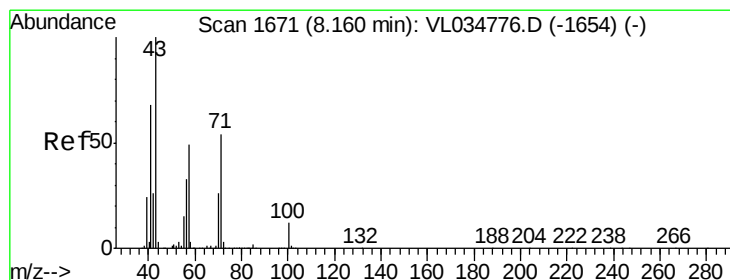
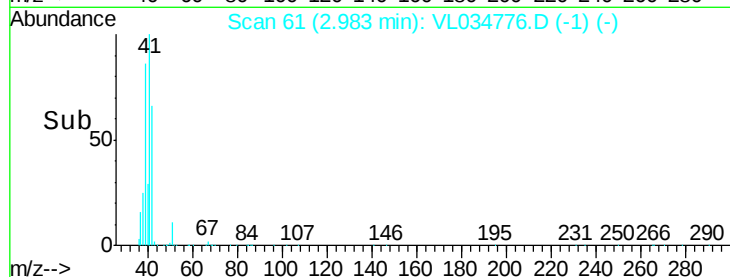
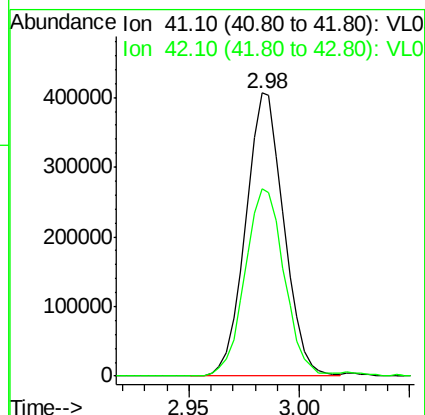
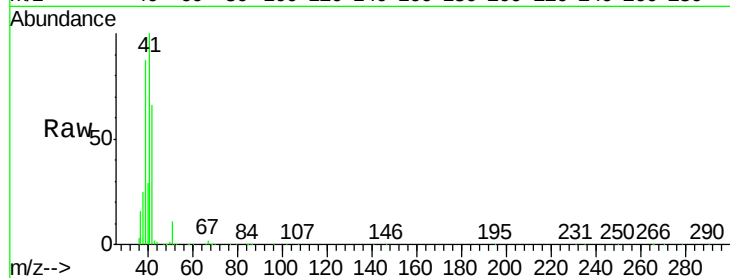
41 100

42 69.5 55.6 83.4

Manual Integrations
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#10

Heptane

Concen: 10.047 ppbv

RT: 8.16 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VL034776.D

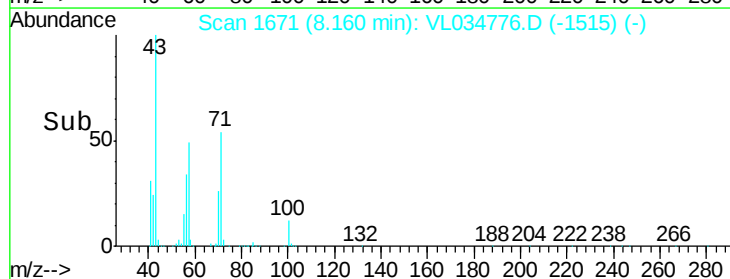
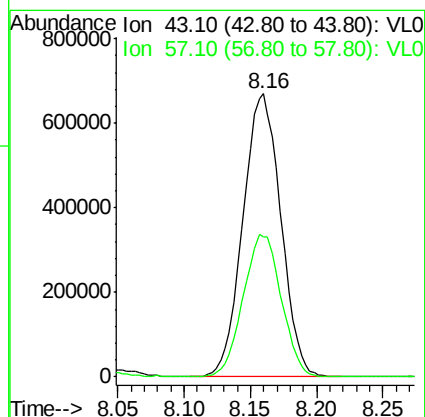
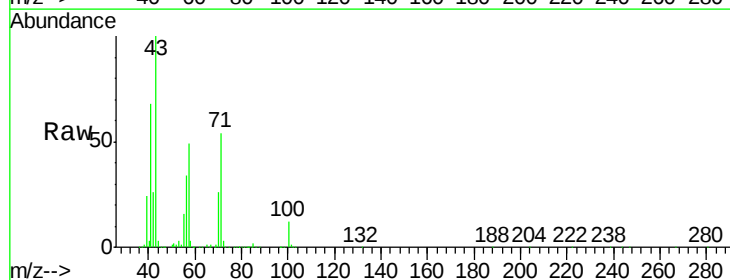
Acq: 4 Mar 2020 1:23

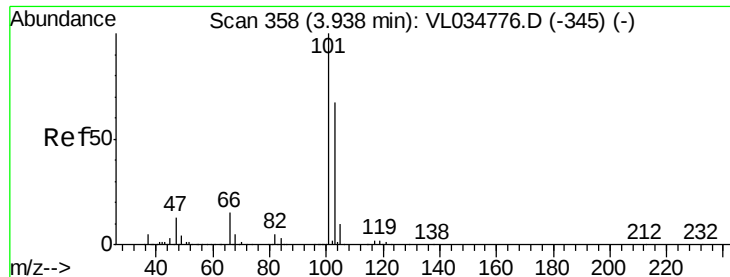
Tgt Ion: 43 Resp: 1323612

Ion Ratio Lower Upper

43 100

57 50.9 40.5 60.7





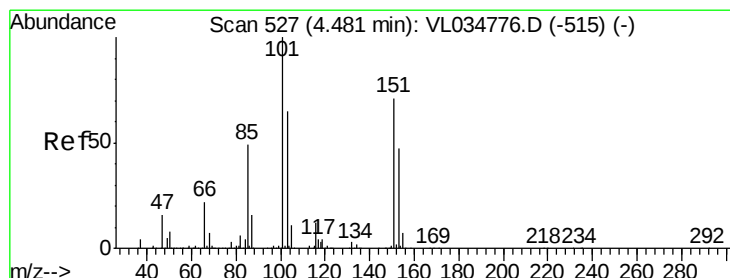
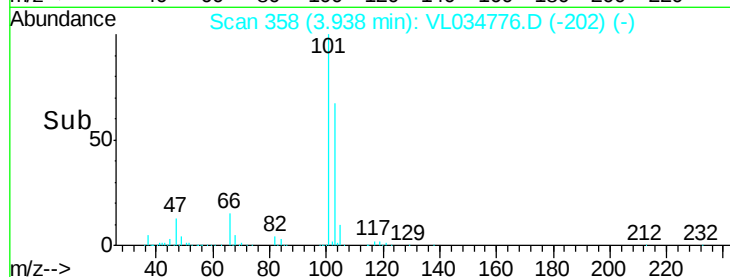
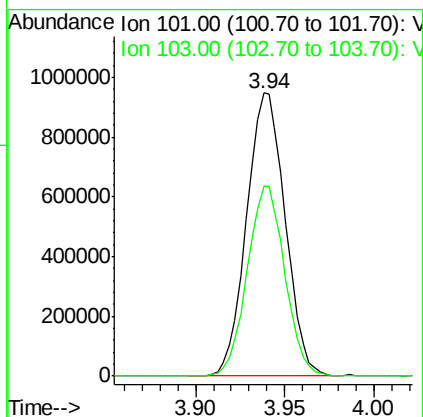
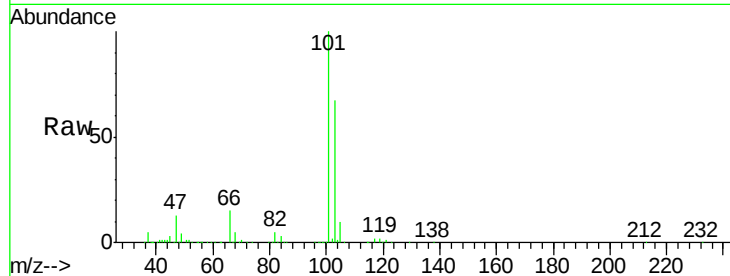
#11
 Trichlorofluoromethane
 Concen: 9.159 ppbv
 RT: 3.94 min Scan# 358
 Delta R.T. 0.00 min
 Lab File: VL034776.D
 Acq: 4 Mar 2020 1:23

Instrument :
 MSVOA_L
 ClientSampled :
 VSTDICCC010

Tot Ion:101 Resp: 1436790
 Ion Ratio Lower Upper
 101 100
 103 67.0 53.6 80.4

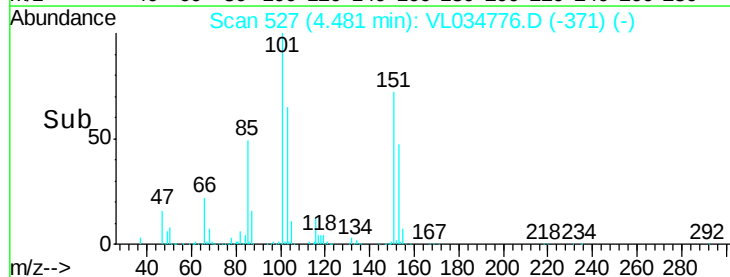
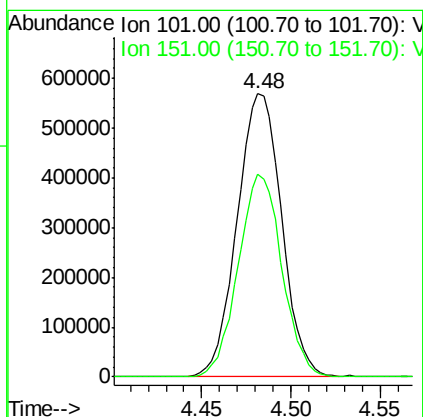
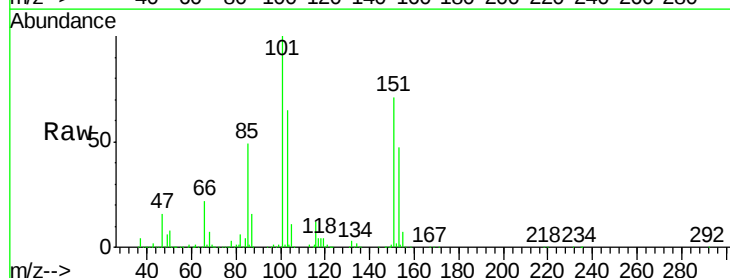
Manual Integrations
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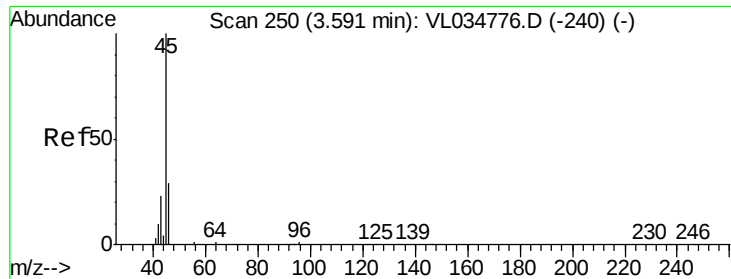
apatel
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.917 ppbv
 RT: 4.48 min Scan# 527
 Delta R.T. 0.00 min
 Lab File: VL034776.D
 Acq: 4 Mar 2020 1:23

Tgt Ion:101 Resp: 982399
 Ion Ratio Lower Upper
 101 100
 151 70.8 56.6 85.0





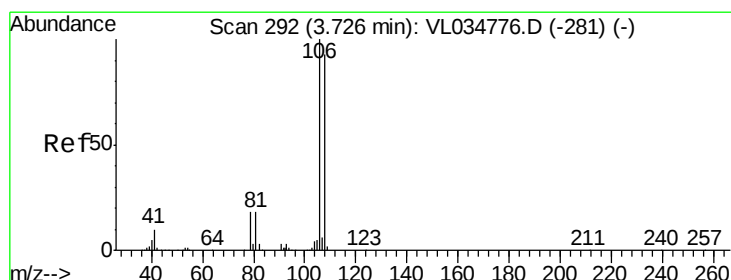
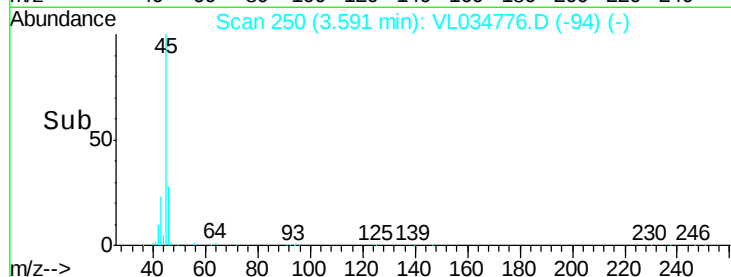
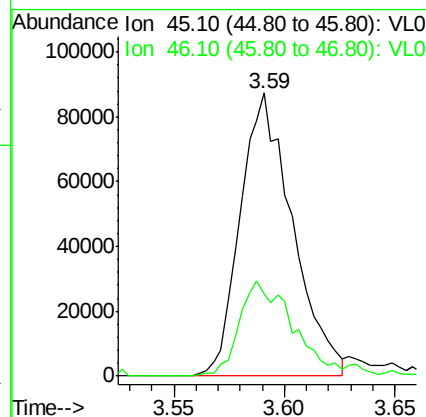
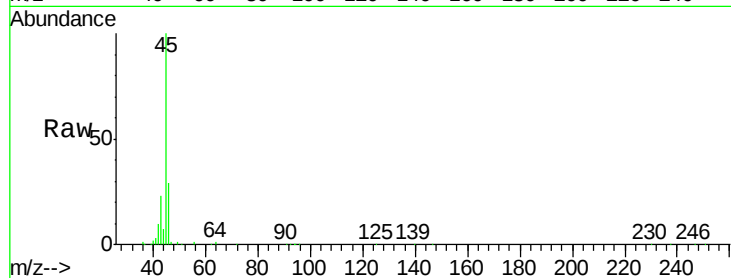
#13
Ethanol
Concen: 8.932 ppbv
RT: 3.59 min Scan# 250
Delta R.T. 0.00 min
Lab File: VL034776.D
Acq: 4 Mar 2020 1:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	45	Resp	143792
Ion Ratio	100	Lower	Upper
46	36.8	14.7	58.9

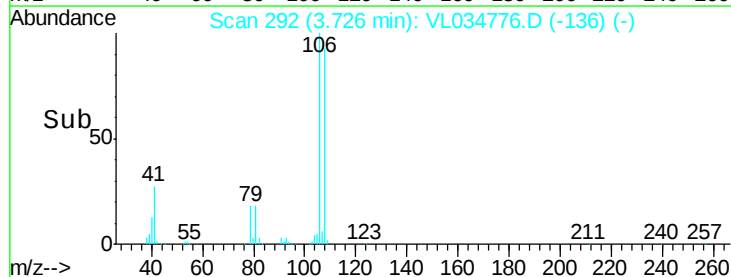
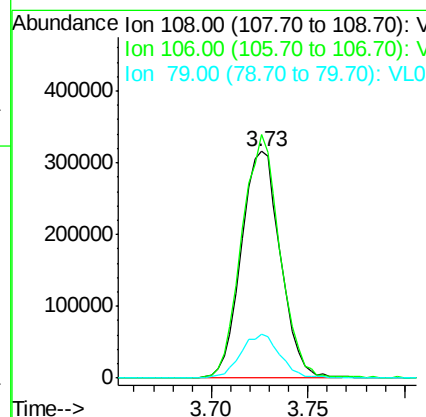
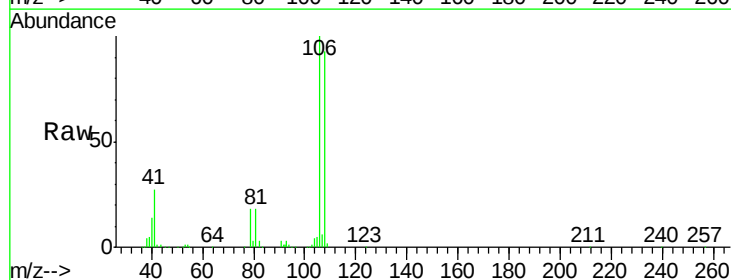
Manual Integrations
APPROVED

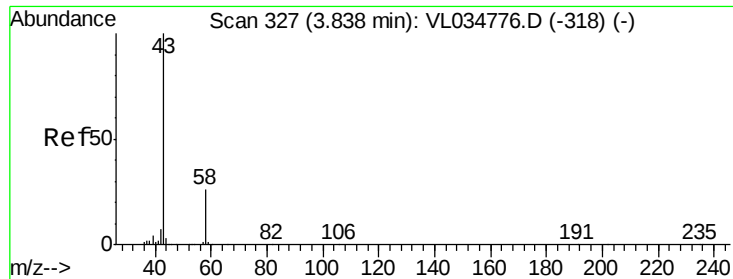
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#14
Bromoethene
Concen: 9.650 ppbv
RT: 3.73 min Scan# 292
Delta R.T. 0.00 min
Lab File: VL034776.D
Acq: 4 Mar 2020 1:23

Tgt Ion	108	Resp	445905
Ion Ratio	100	Lower	Upper
106	104.9	83.5	125.3
79	19.5	15.6	23.4





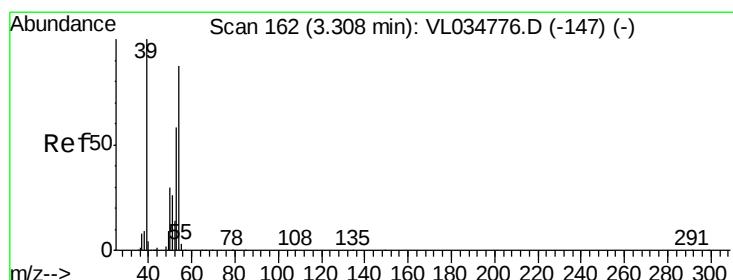
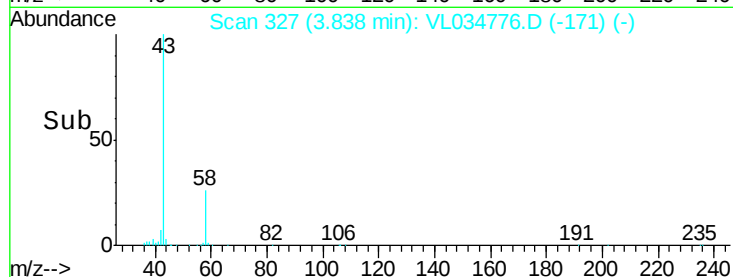
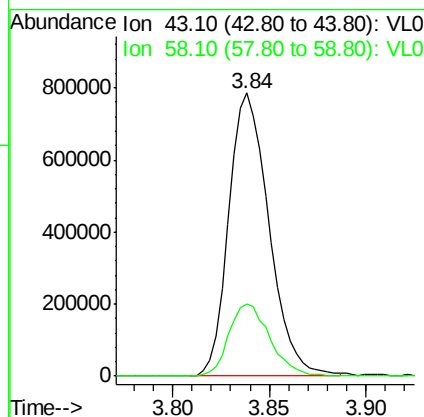
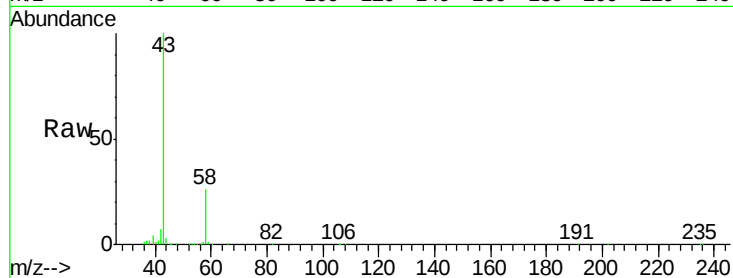
#15
Acetone
Concen: 8.711 ppbv
RT: 3.84 min Scan# 327
Delta R.T. 0.00 min
Lab File: VL034776.D
Acq: 4 Mar 2020 1:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 43 Resp: 1128181
Ion Ratio Lower Upper
43 100
58 26.3 21.0 31.6

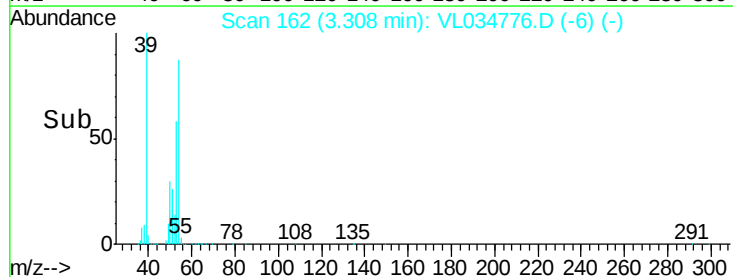
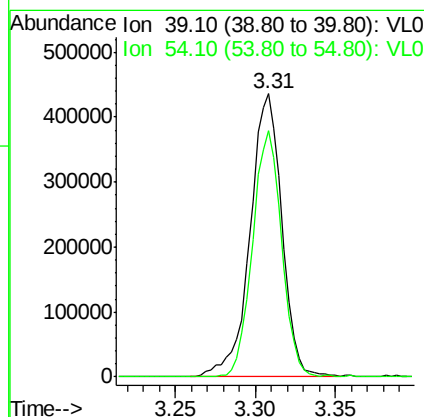
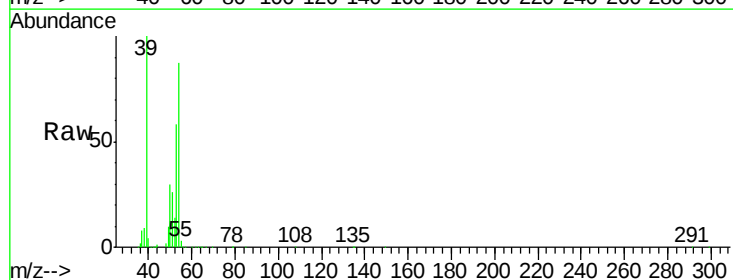
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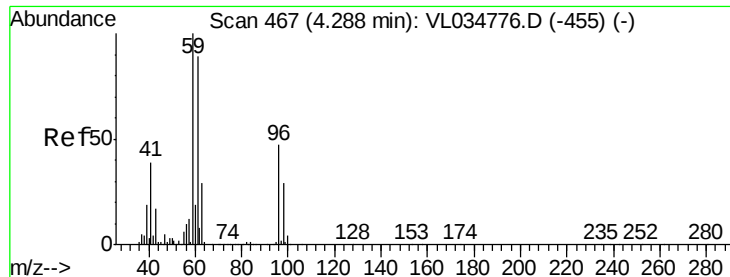
apatel
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#16
1,3-Butadiene
Concen: 9.861 ppbv
RT: 3.31 min Scan# 162
Delta R.T. 0.00 min
Lab File: VL034776.D
Acq: 4 Mar 2020 1:23

Tgt Ion: 39 Resp: 592686
Ion Ratio Lower Upper
39 100
54 80.0 64.2 96.2





#17

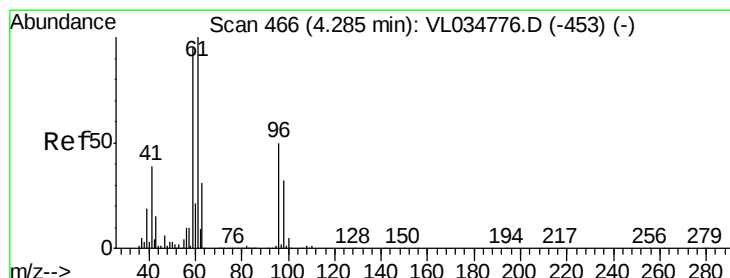
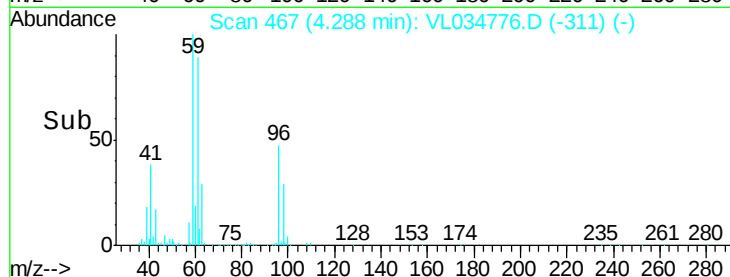
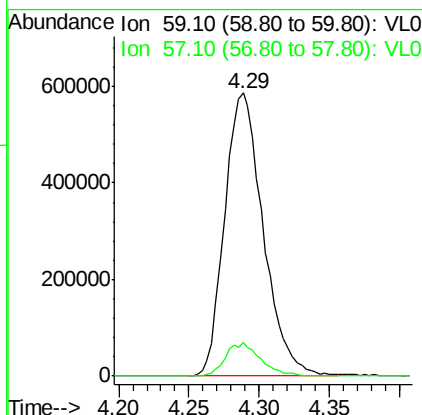
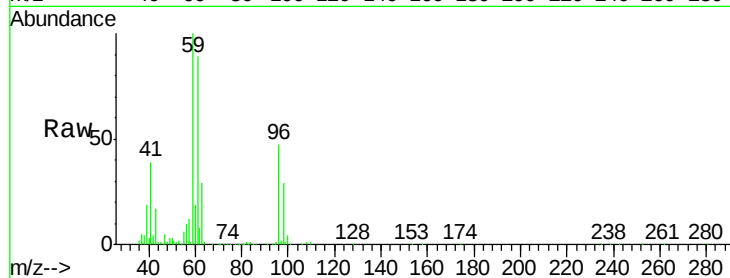
tert-Butyl alcohol
Concen: 11.261 ppbv
RT: 4.29 min Scan# 467
Delta R.T. 0.00 min
Lab File: VL034776.D
Acq: 4 Mar 2020 1:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 59 Resp: 1118179
Ion Ratio Lower Upper
59 100
57 10.9 8.6 13.0

Manual Integrations
APPROVED

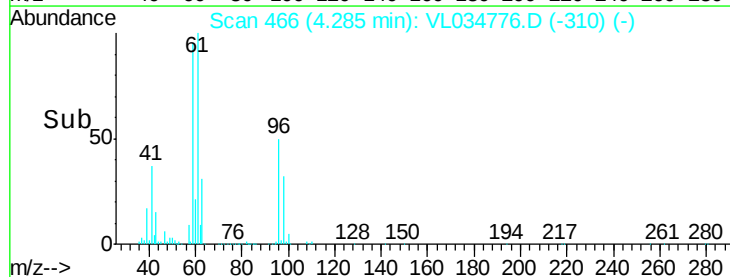
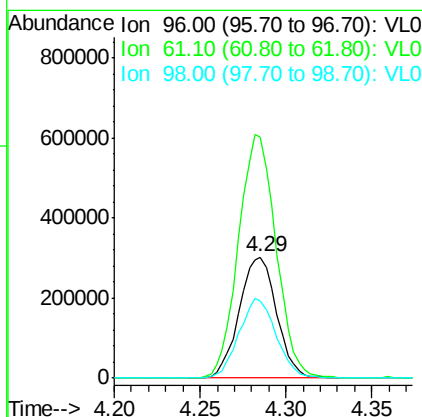
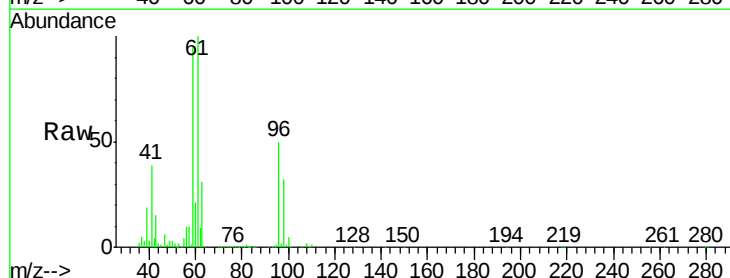
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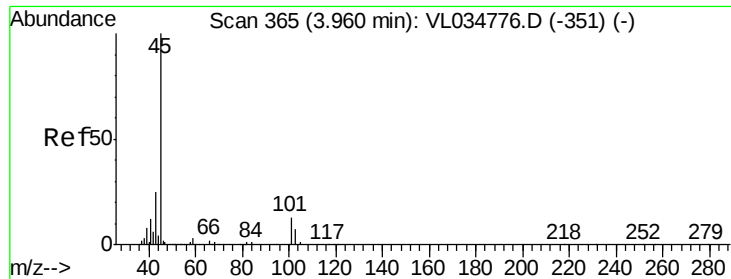


#18

1,1-Dichloroethene
Concen: 9.203 ppbv
RT: 4.29 min Scan# 466
Delta R.T. 0.00 min
Lab File: VL034776.D
Acq: 4 Mar 2020 1:23

Tgt Ion: 96 Resp: 455332
Ion Ratio Lower Upper
96 100
61 199.4 159.5 239.3
98 63.9 51.1 76.7





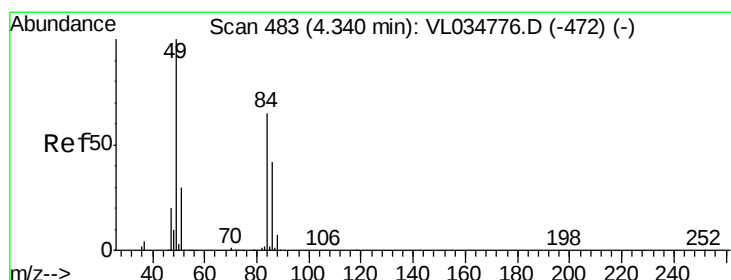
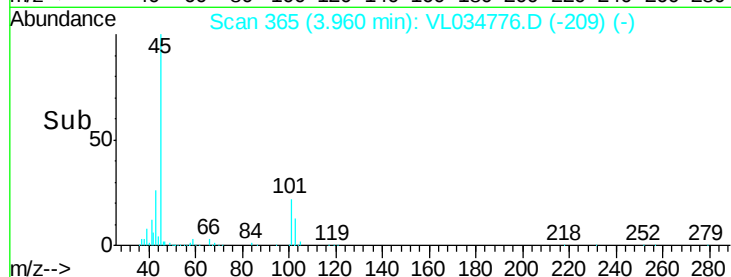
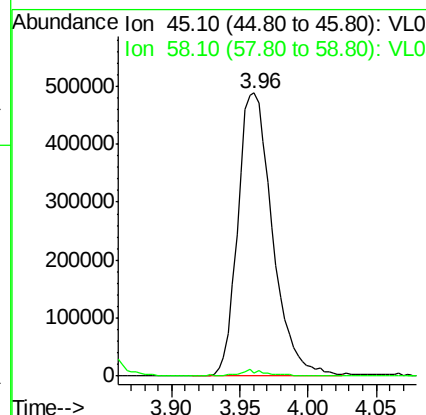
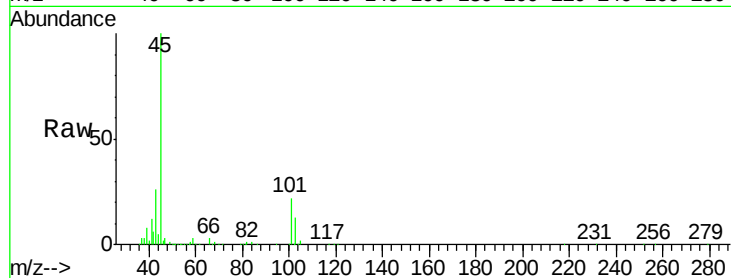
#19
Isopropyl Alcohol
Concen: 11.168 ppbv
RT: 3.96 min Scan# 365
Delta R.T. 0.00 min
Lab File: VL034776.D
Acq: 4 Mar 2020 1:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
45	100		
58	2.0	1.8	2.8

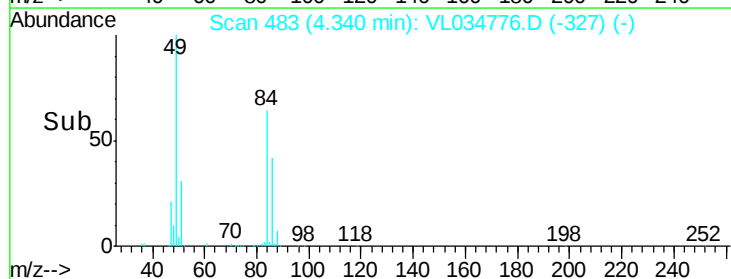
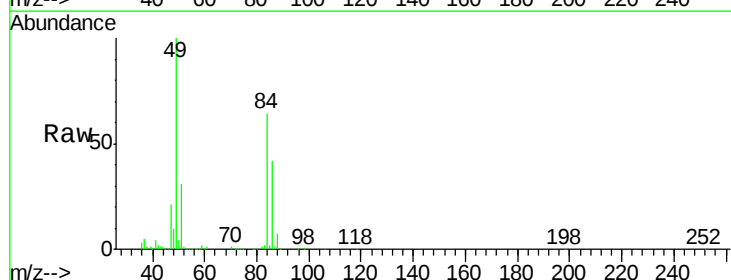
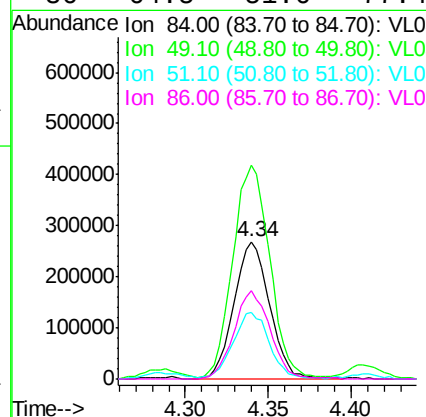
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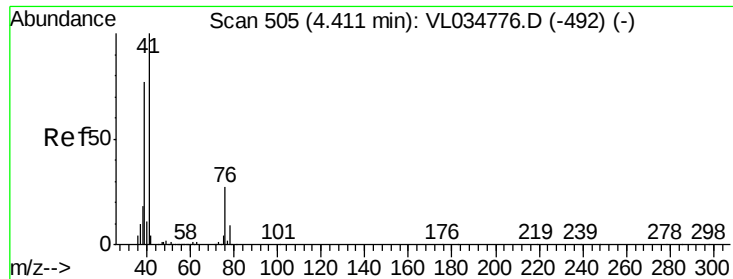
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#20
Methylene Chloride
Concen: 8.339 ppbv
RT: 4.34 min Scan# 483
Delta R.T. 0.00 min
Lab File: VL034776.D
Acq: 4 Mar 2020 1:23

Tgt Ion	Ratio	Lower	Upper
84	100		
49	154.0	123.2	184.8
51	46.8	37.4	56.2
86	64.5	51.6	77.4





#21

Allvl Chloride

Concen: 9.436 ppbv

RT: 4.41 min Scan# 505

Delta R.T. 0.00 min

Lab File: VL034776.D

Acq: 4 Mar 2020 1:23

Instrument :

MSVOA_L

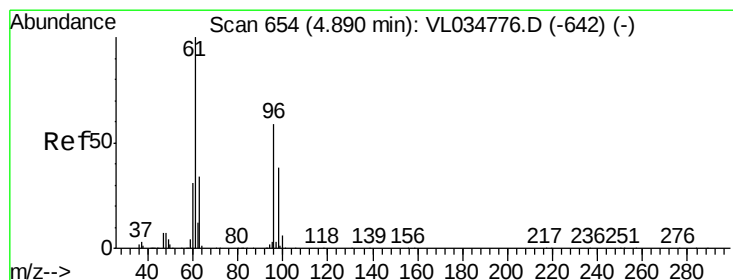
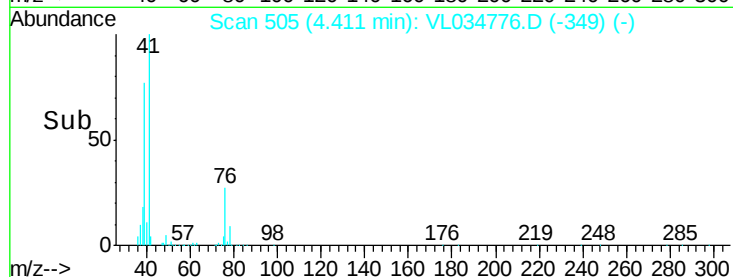
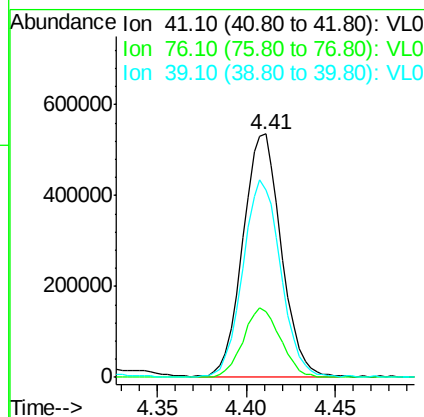
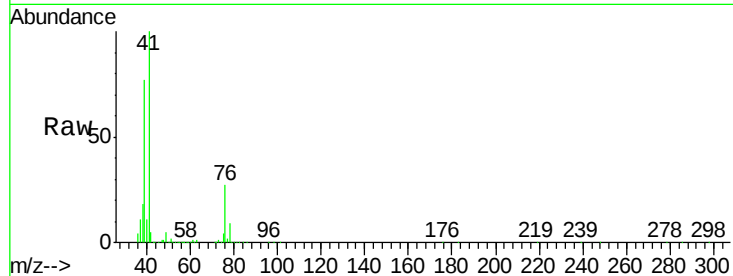
ClientSampleId :

VSTDICCC010

Tot Ion:	41	Resp:	800476
Ion Ratio		Lower	Upper
41	100		
76	28.1	22.5	33.7
39	80.9	65.0	97.6

Manual Integrations
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#22

trans-1,2-Dichloroethene

Concen: 9.169 ppbv

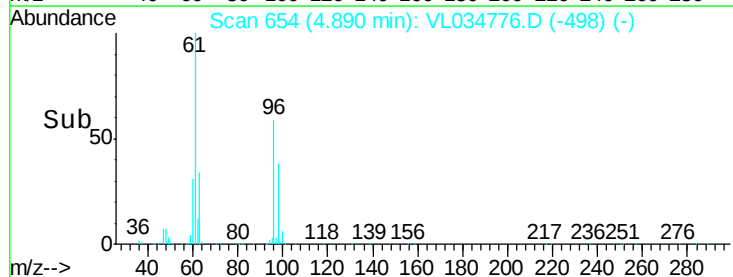
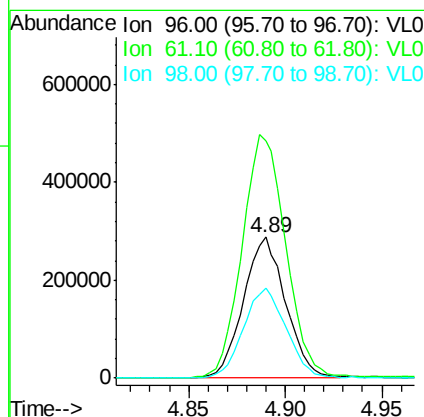
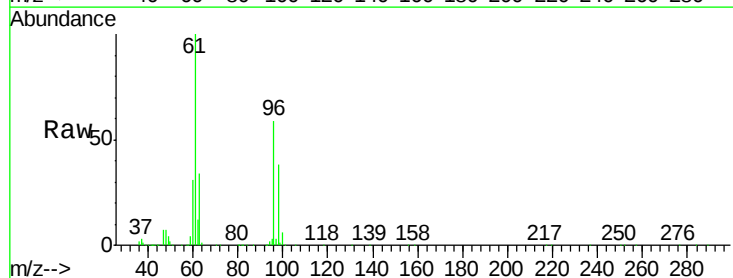
RT: 4.89 min Scan# 654

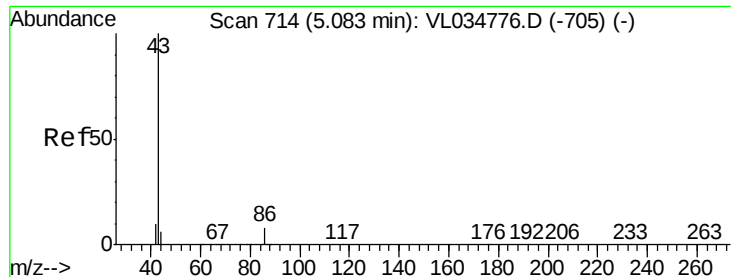
Delta R.T. 0.00 min

Lab File: VL034776.D

Acq: 4 Mar 2020 1:23

Tgt Ion:	96	Resp:	438238
Ion Ratio		Lower	Upper
96	100		
61	169.0	135.2	202.8
98	63.5	50.8	76.2





#23

Vinyl Acetate

Concen: 10.433 ppbv

RT: 5.08 min Scan# 714

Delta R.T. 0.00 min

Lab File: VL034776.D

Acq: 4 Mar 2020 1:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 43 Resp: 1836752

Ion Ratio Lower Upper

43 100

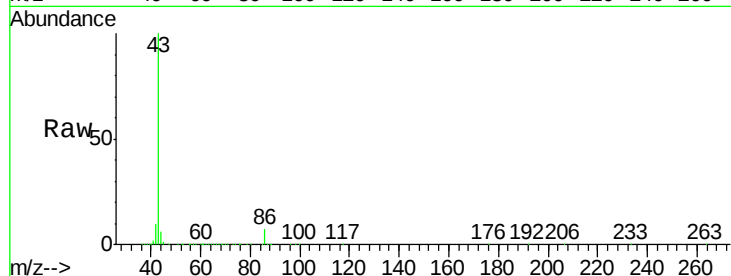
86 7.4 5.9 8.9

42 10.2 8.2 12.2

44 5.6 4.5 6.7

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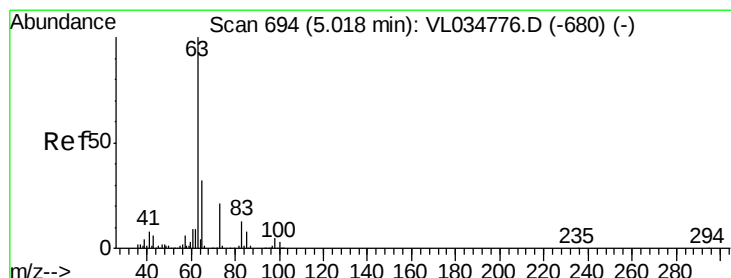
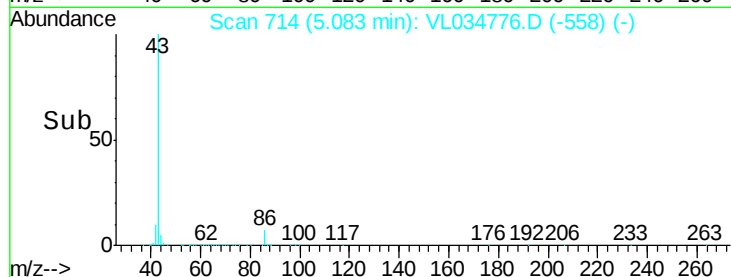
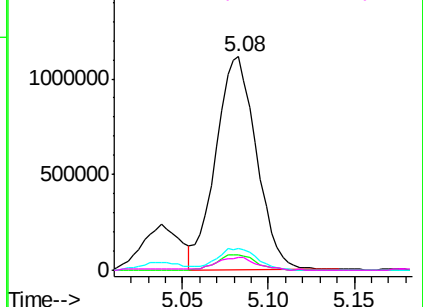


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.225 ppbv

RT: 5.02 min Scan# 694

Delta R.T. 0.00 min

Lab File: VL034776.D

Acq: 4 Mar 2020 1:23

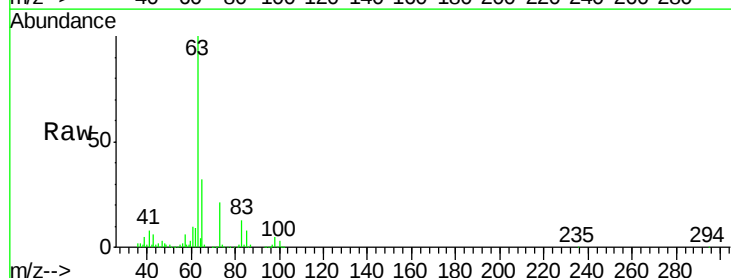
Tgt Ion: 63 Resp: 1292563

Ion Ratio Lower Upper

63 100

98 4.5 2.3 6.8

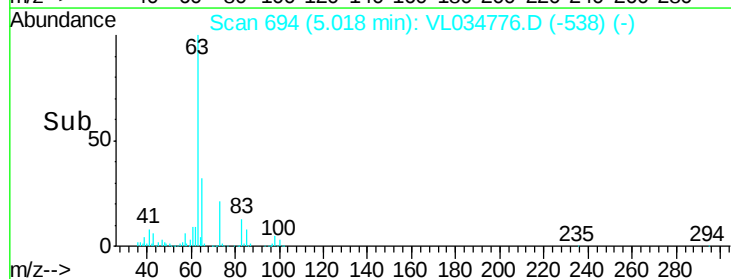
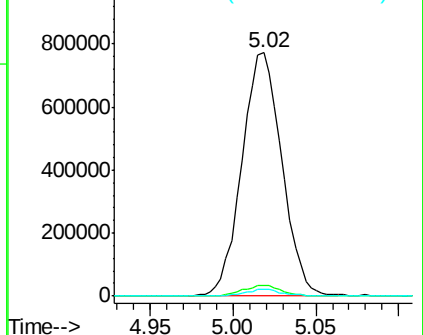
100 2.9 1.5 4.4

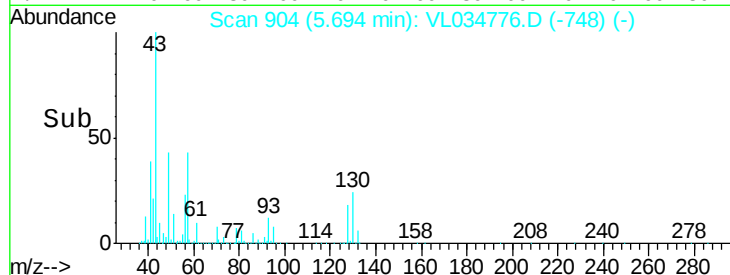
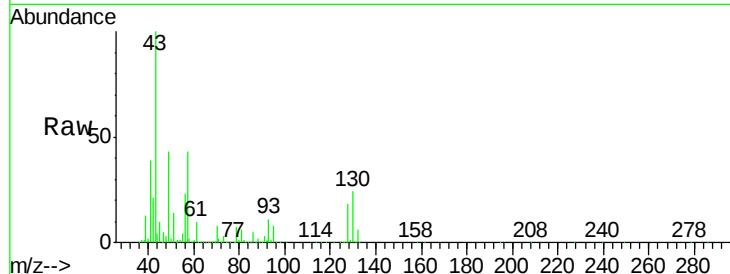
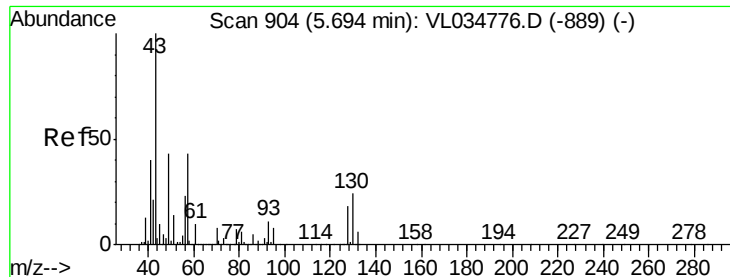


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

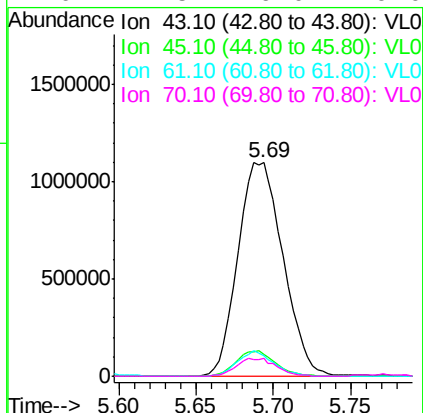
Ion 100.00 (99.70 to 100.70): VL0





#25
Ethyl Acetate
Concen: 9.691 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.00 min
Lab File: VL034776.D
Acq: 4 Mar 2020 1:23

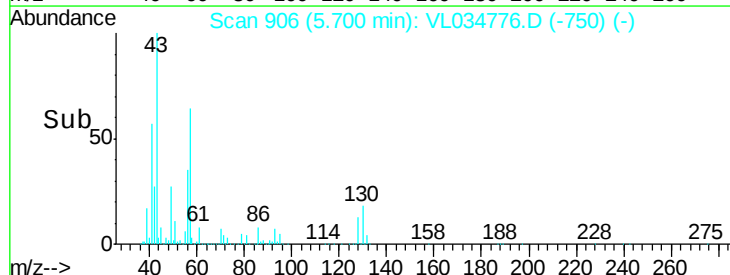
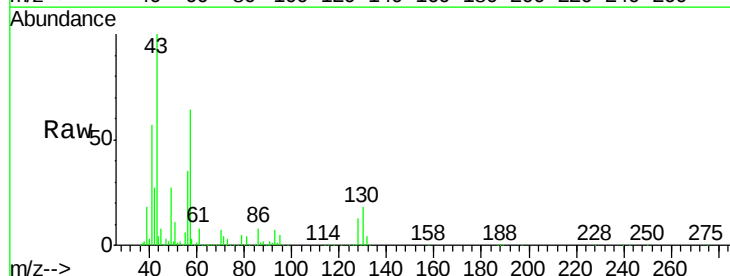
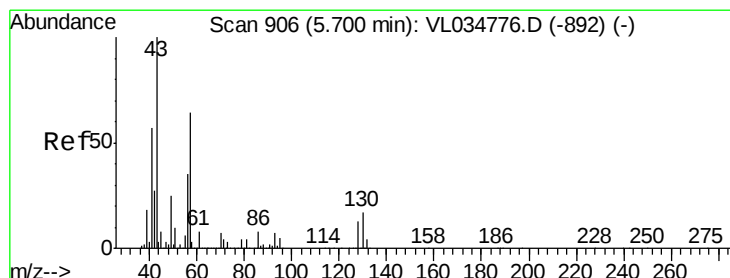
Tot Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.2	12.4
61	9.6	7.5	11.3
70	7.5	6.0	9.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

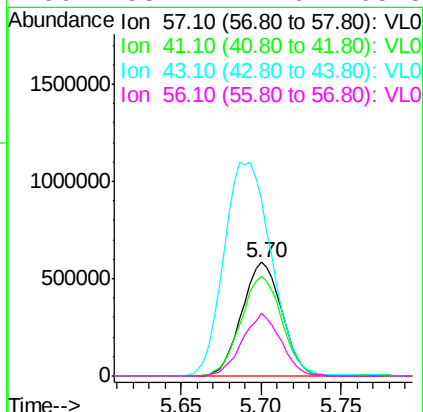
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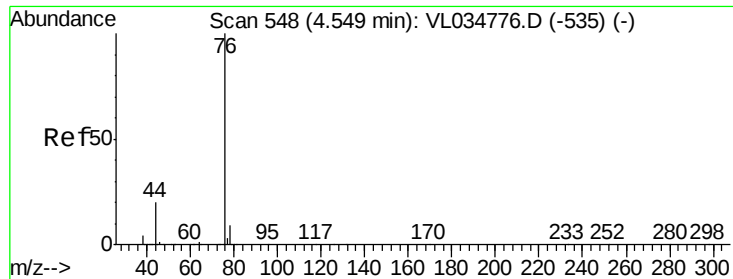
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#26
Hexane
Concen: 9.475 ppbv
RT: 5.70 min Scan# 906
Delta R.T. 0.00 min
Lab File: VL034776.D
Acq: 4 Mar 2020 1:23

Tgt Ion	Ratio	Lower	Upper
57	100		
41	90.0	72.0	108.0
43	223.9	179.1	268.7
56	53.2	42.6	63.8





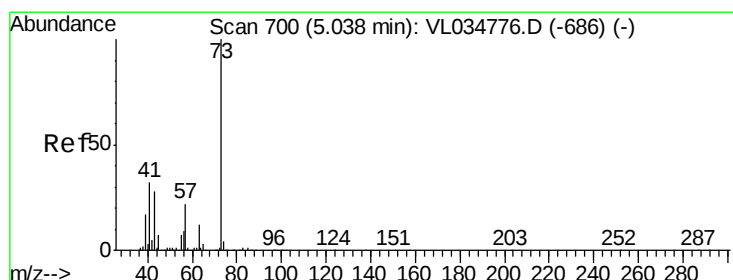
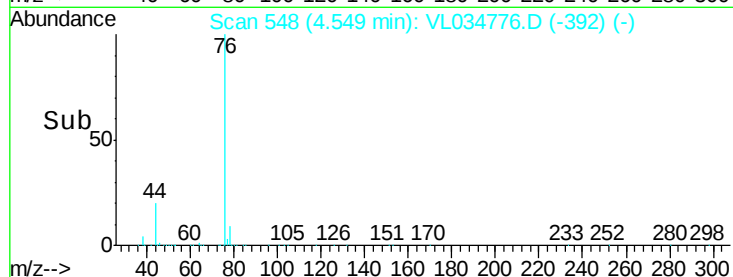
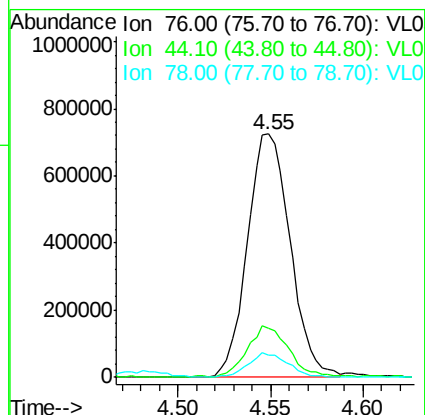
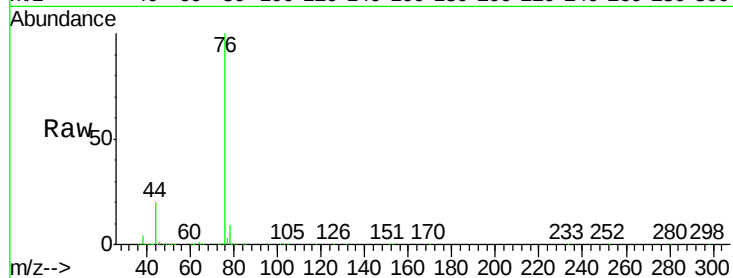
#27
Carbon Disulfide
Concen: 9.797 ppbv
RT: 4.55 min Scan# 548
Delta R.T. 0.00 min
Lab File: VL034776.D
Acq: 4 Mar 2020 1:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
76	100		
44	20.3	16.1	24.1
78	9.5	7.5	11.3

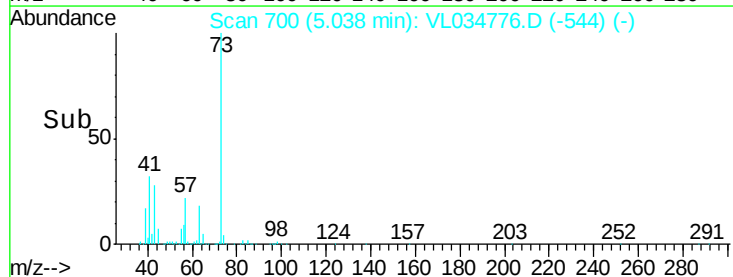
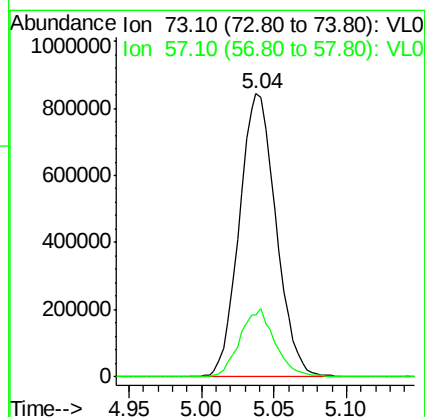
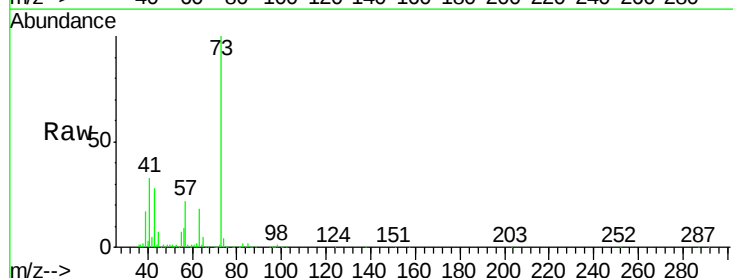
Manual Integrations
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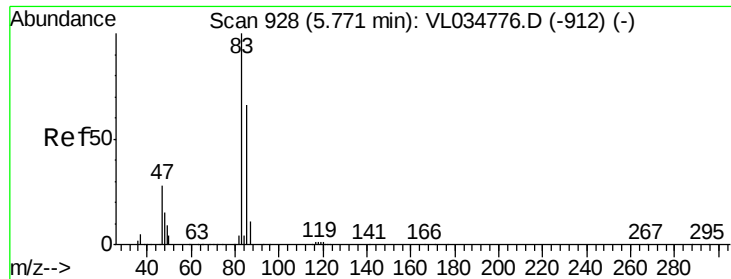
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#28
Methyl tert-Butyl Ether
Concen: 9.882 ppbv
RT: 5.04 min Scan# 700
Delta R.T. 0.00 min
Lab File: VL034776.D
Acq: 4 Mar 2020 1:23

Tgt Ion	Ratio	Lower	Upper
73	100		
57	23.1	18.5	27.7





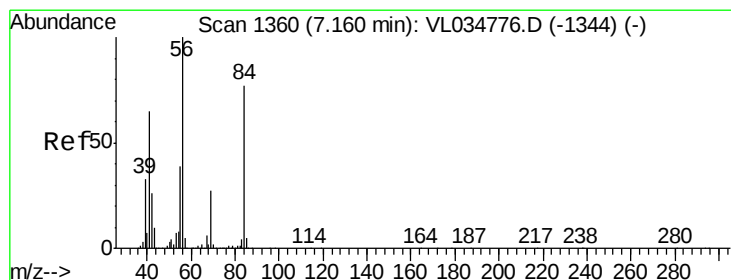
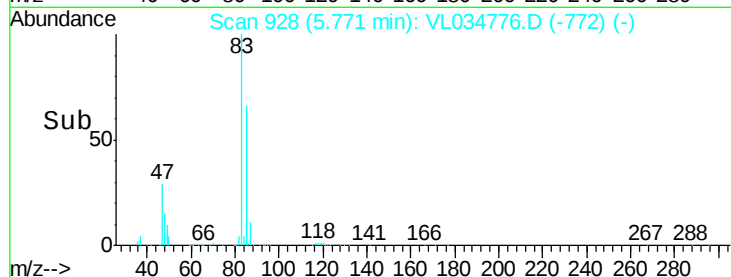
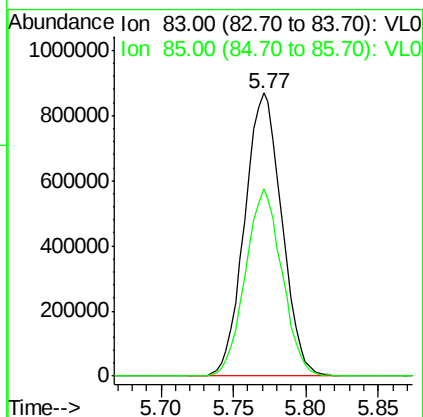
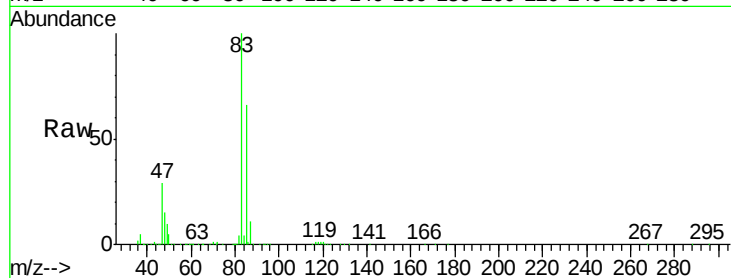
#29
Chloroform
Concen: 9.261 ppbv
RT: 5.77 min Scan# 928
Delta R.T. 0.00 min
Lab File: VL034776.D
Acq: 4 Mar 2020 1:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 83 Resp: 1556507
Ion Ratio Lower Upper
83 100
85 66.2 53.0 79.4

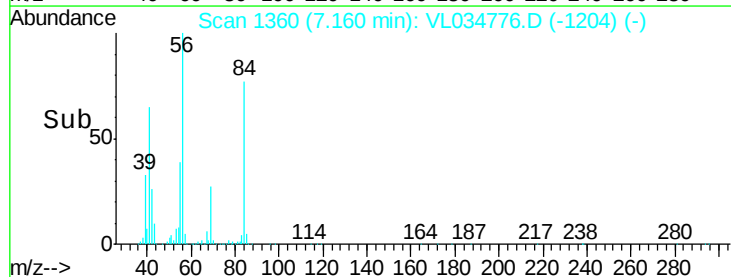
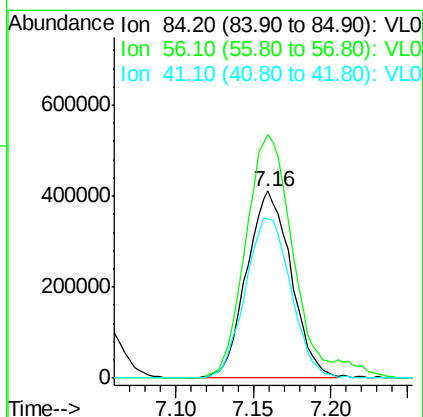
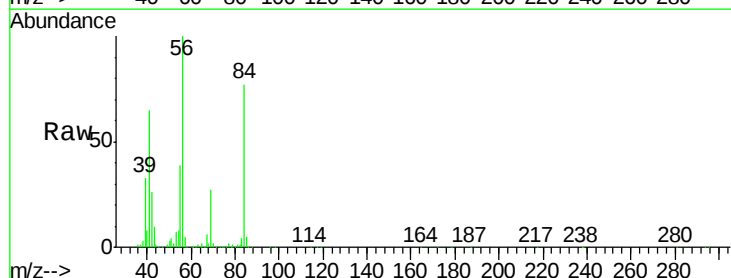
Manual Integrations
APPROVED

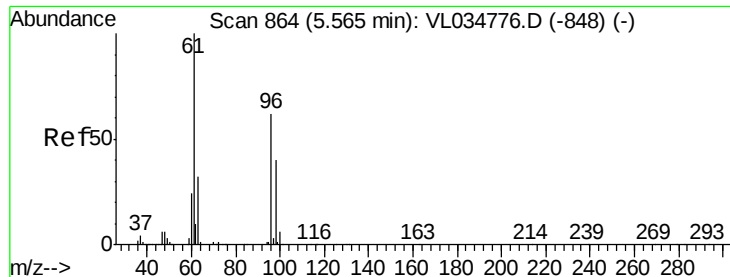
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#30
Cyclohexane
Concen: 10.063 ppbv
RT: 7.16 min Scan# 1360
Delta R.T. 0.00 min
Lab File: VL034776.D
Acq: 4 Mar 2020 1:23

Tgt Ion: 84 Resp: 822959
Ion Ratio Lower Upper
84 100
56 141.5 113.2 169.8
41 87.9 70.2 105.4





#31

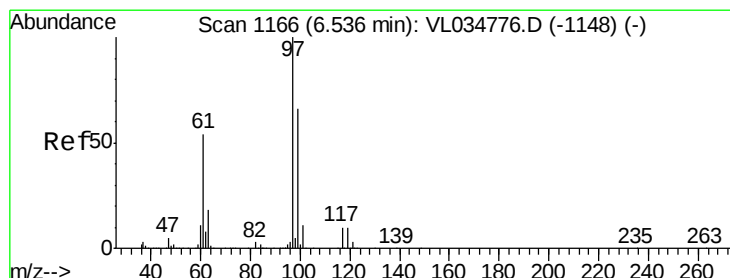
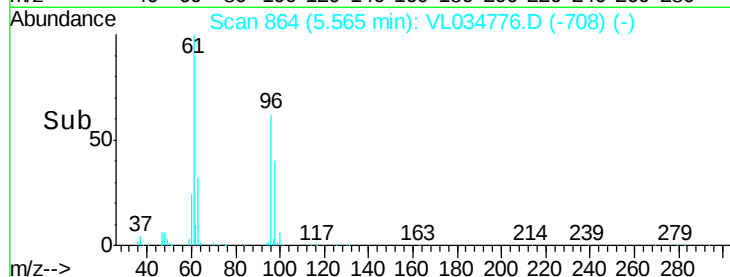
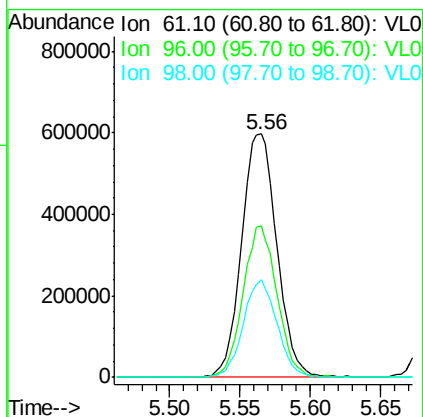
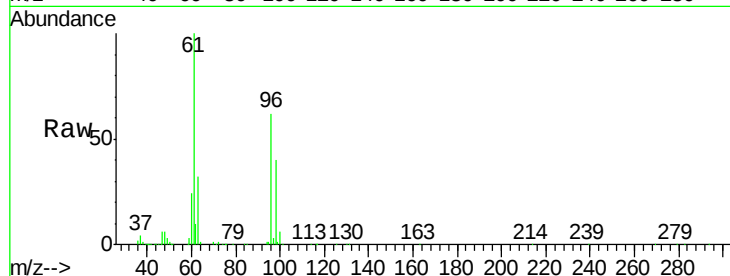
cis-1,2-Dichloroethene
Concen: 10.114 ppbv
RT: 5.56 min Scan# 864
Delta R.T. 0.00 min
Lab File: VL034776.D
Acq: 4 Mar 2020 1:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
61	100		
96	62.1	49.7	74.5
98	39.9	31.9	47.9

Manual Integrations
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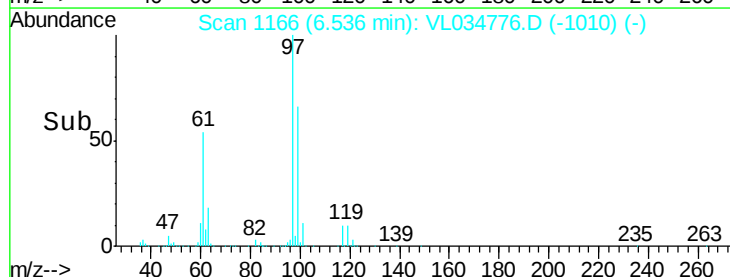
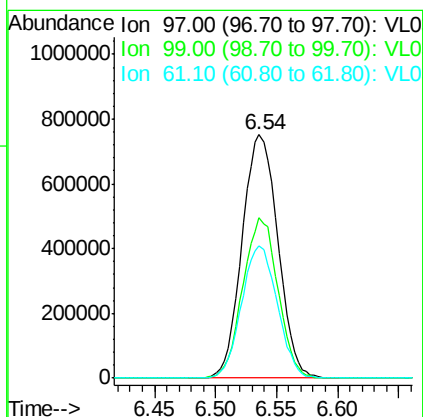
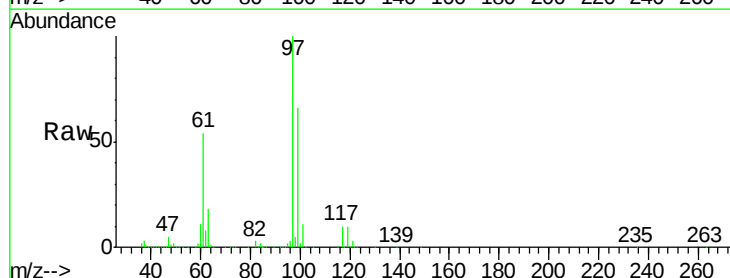
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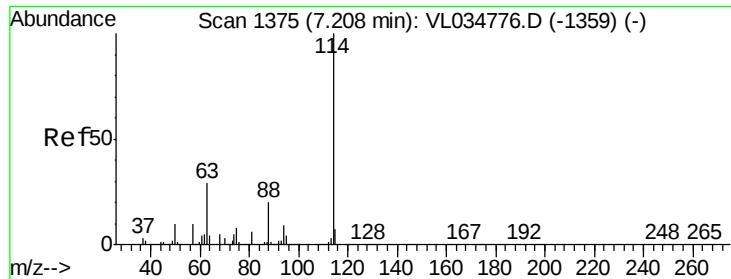


#32

1,1,1-Trichloroethane
Concen: 9.653 ppbv
RT: 6.54 min Scan# 1166
Delta R.T. 0.00 min
Lab File: VL034776.D
Acq: 4 Mar 2020 1:23

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.7	77.5
61	54.0	43.4	65.0





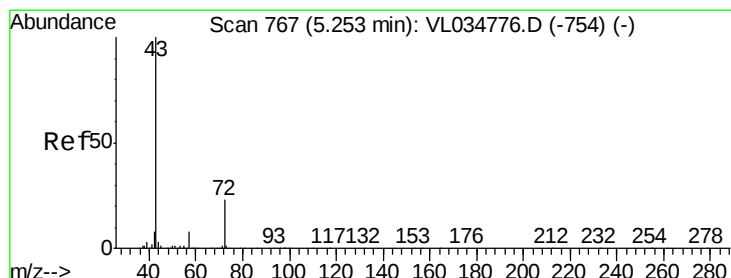
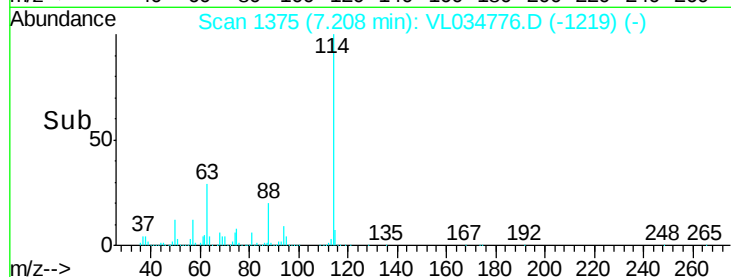
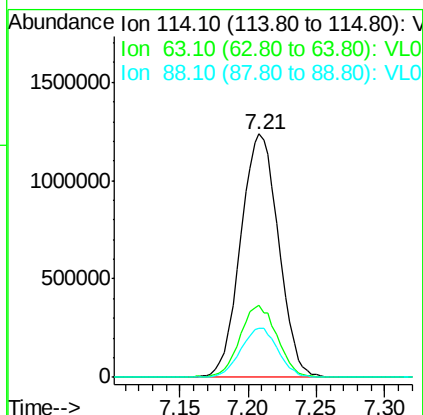
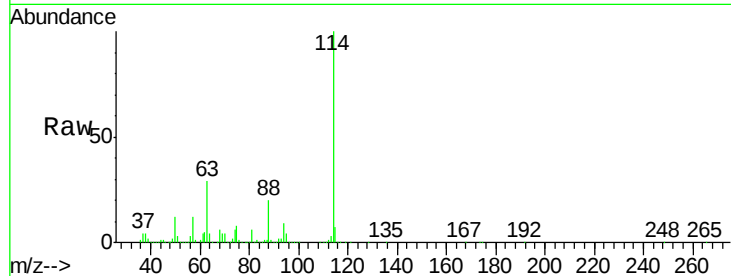
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.21 min Scan# 1375
 Delta R.T. 0.00 min
 Lab File: VL034776.D
 Acq: 4 Mar 2020 1:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
114	100		
63	29.6	23.6	35.4
88	19.9	15.8	23.8

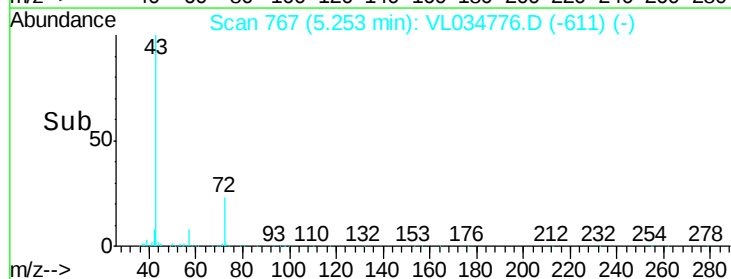
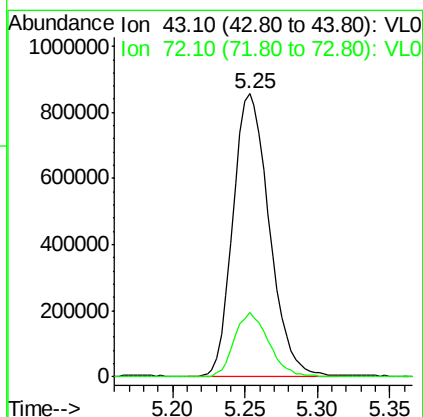
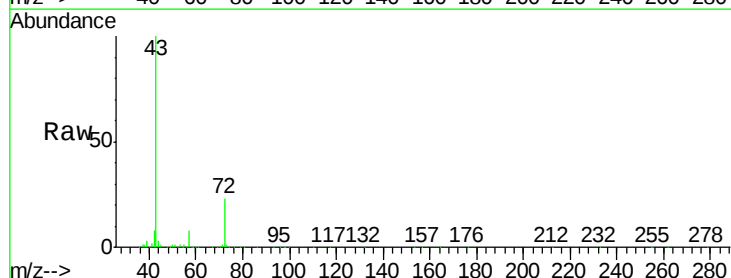
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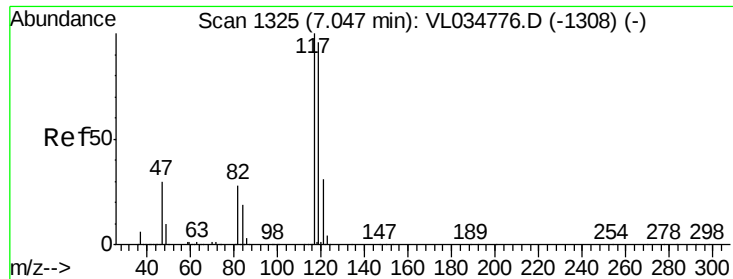
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#34
 2-Butanone
 Concen: 9.868 ppbv
 RT: 5.25 min Scan# 767
 Delta R.T. 0.00 min
 Lab File: VL034776.D
 Acq: 4 Mar 2020 1:23

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.9	17.5	26.3





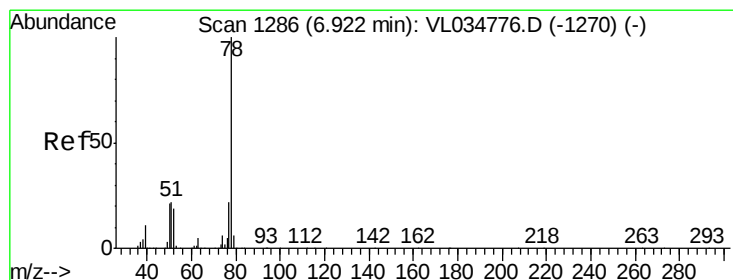
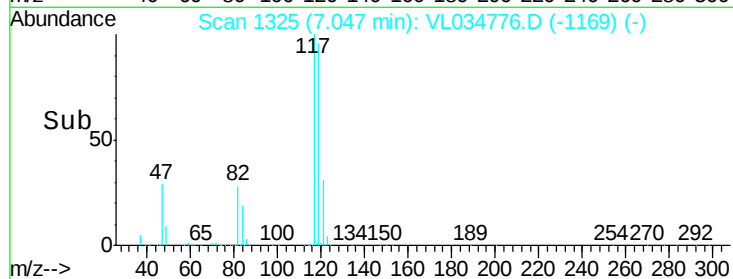
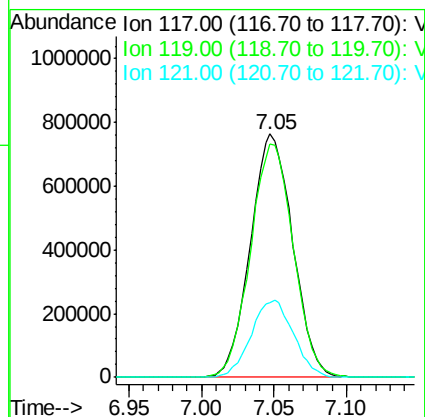
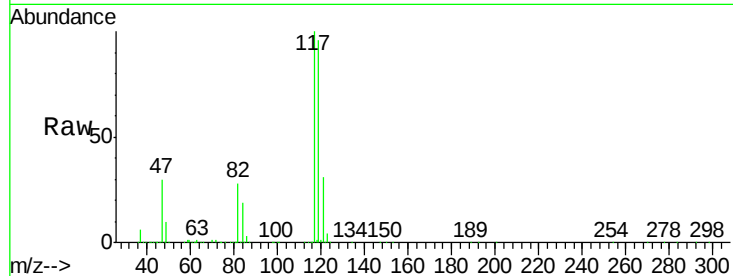
#35
Carbon Tetrachloride
Concen: 9.705 ppbv
RT: 7.05 min Scan# 1325
Delta R.T. 0.00 min
Lab File: VL034776.D
Acq: 4 Mar 2020 1:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion:117 Resp: 1550802
Ion Ratio Lower Upper
117 100
119 96.0 76.8 115.2
121 30.8 24.6 37.0

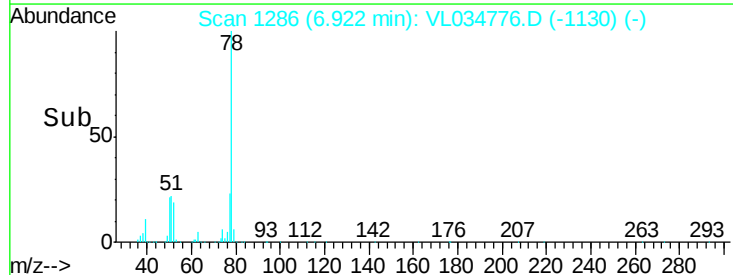
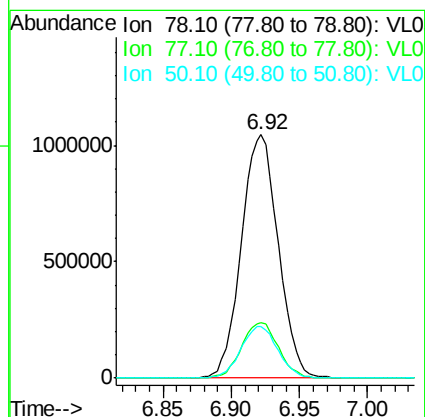
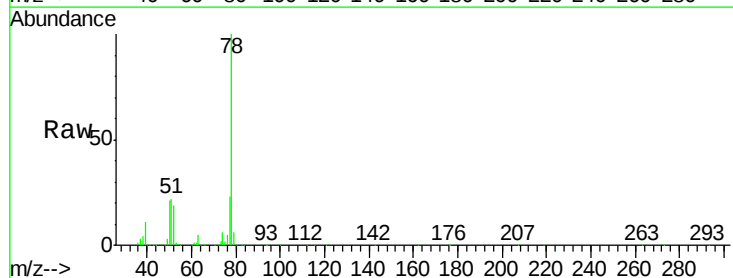
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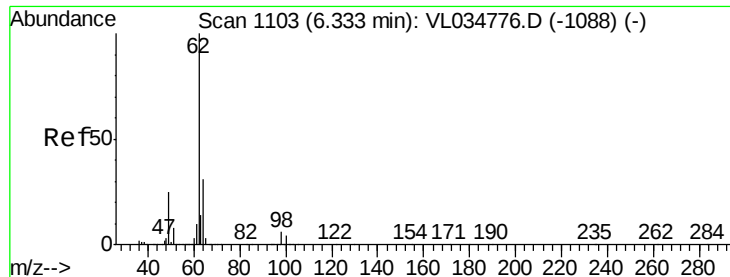
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#36
Benzene
Concen: 9.571 ppbv
RT: 6.92 min Scan# 1286
Delta R.T. 0.00 min
Lab File: VL034776.D
Acq: 4 Mar 2020 1:23

Tgt Ion: 78 Resp: 1965995
Ion Ratio Lower Upper
78 100
77 22.5 18.0 27.0
50 21.1 16.9 25.3





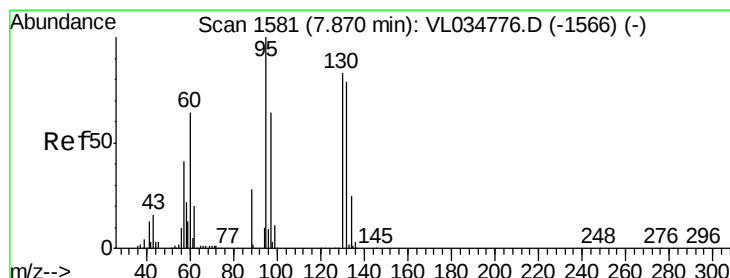
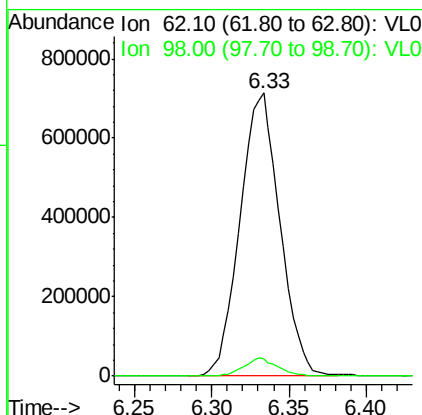
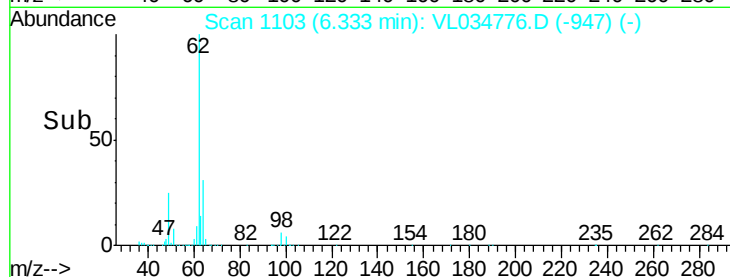
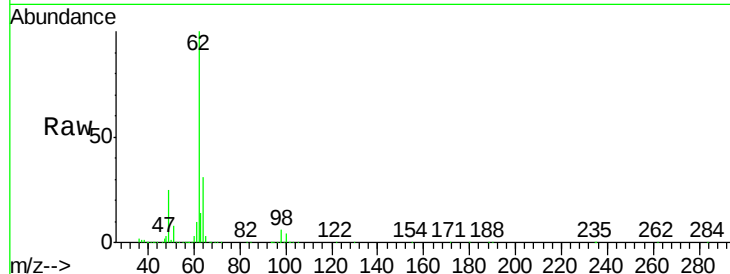
#37
1,2-Dichloroethane
Concen: 9.788 ppbv
RT: 6.33 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VL034776.D
Acq: 4 Mar 2020 1:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
62	100		
98	5.5	4.4	6.6

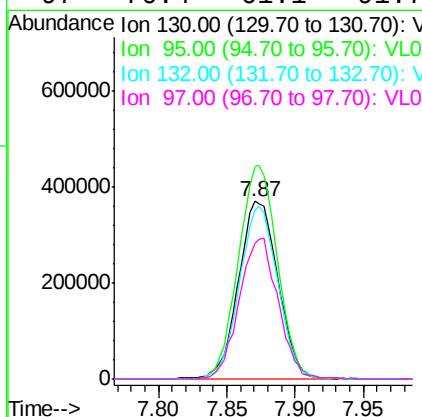
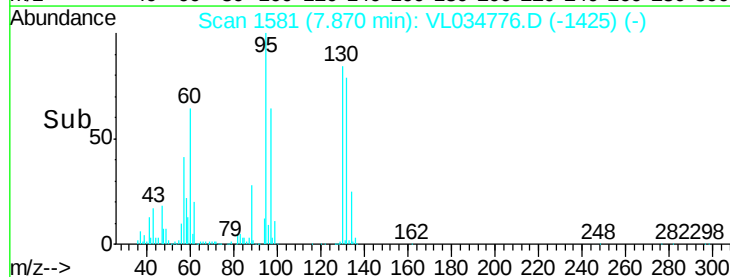
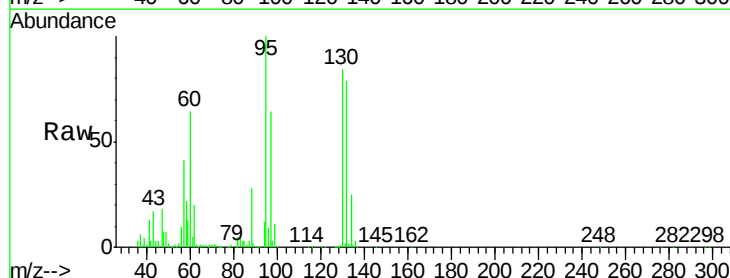
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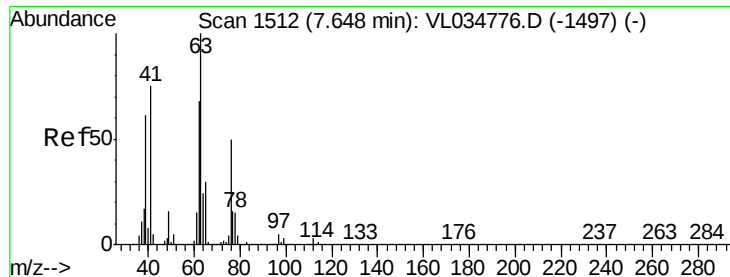
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#38
Trichloroethene
Concen: 9.315 ppbv
RT: 7.87 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VL034776.D
Acq: 4 Mar 2020 1:23

Tgt Ion	Ratio	Lower	Upper
130	100		
95	119.8	95.8	143.8
132	95.1	76.1	114.1
97	76.4	61.1	91.7





#39

1,2-Dichloropropane

Concen: 9.617 ppbv

RT: 7.65 min Scan# 1512

Delta R.T. 0.00 min

Lab File: VL034776.D

Acq: 4 Mar 2020 1:23

Instrument :

MSVOA_L

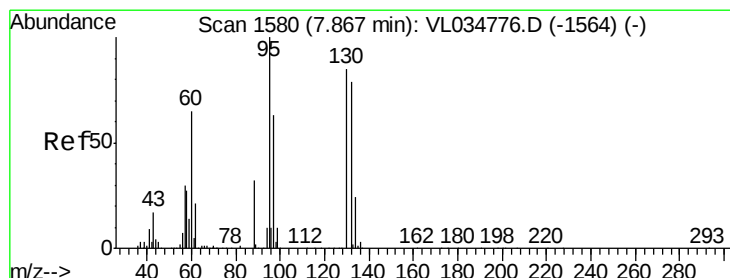
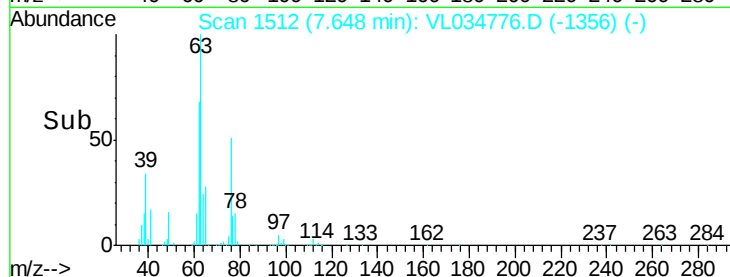
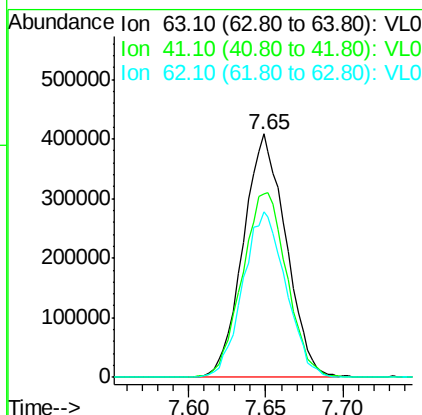
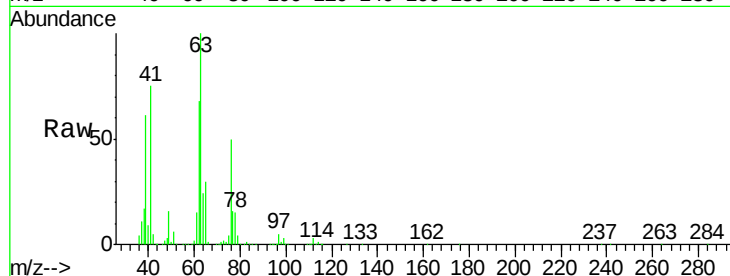
ClientSampleId :

VSTDICCC010

Tot Ion:	63	Resp:	784040
Ion Ratio	Lower	Upper	
63	100		
41	75.4	60.3	90.5
62	68.1	54.5	81.7

Manual Integrations
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#40

1,4-Dioxane

Concen: 10.487 ppbv

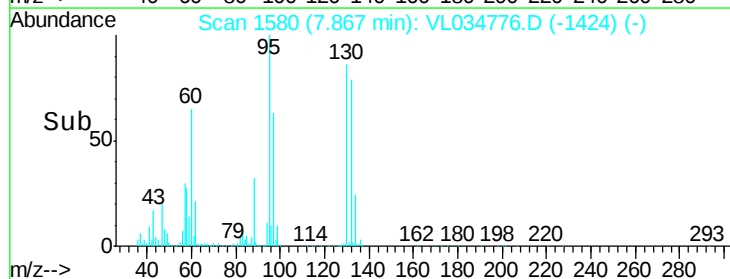
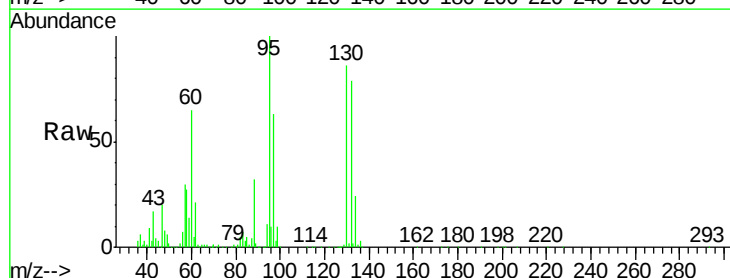
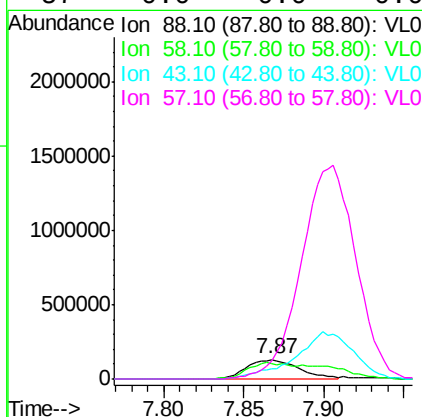
RT: 7.87 min Scan# 1580

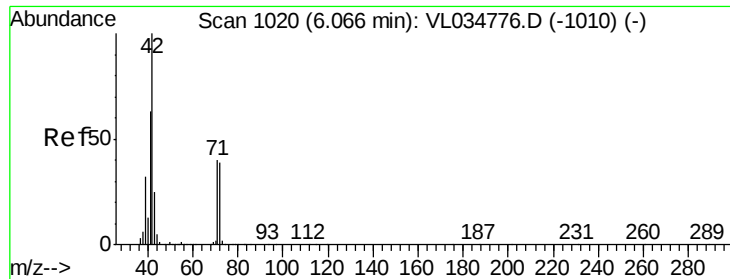
Delta R.T. 0.00 min

Lab File: VL034776.D

Acq: 4 Mar 2020 1:23

Tgt Ion:	88	Resp:	290797
Ion Ratio	Lower	Upper	
88	100		
58	139.5	110.6	166.0
43	0.0	0.0	0.0
57	0.0	0.0	0.0





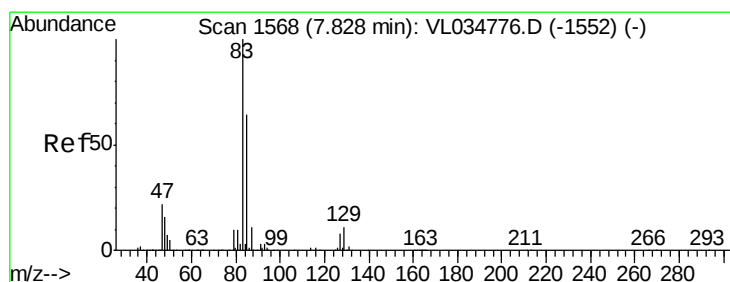
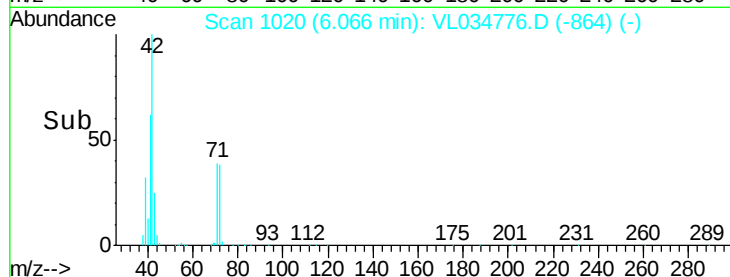
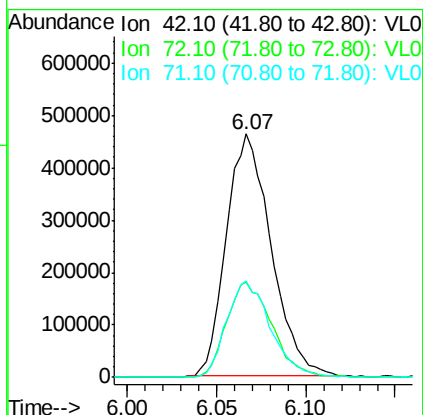
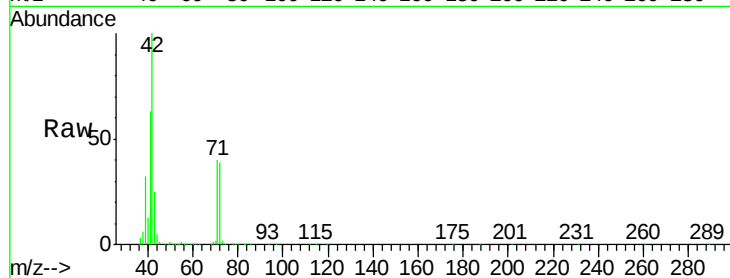
#41
Tetrahydrofuran
Concen: 10.260 ppbv
RT: 6.07 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VL034776.D
Acq: 4 Mar 2020 1:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.0	32.0	48.0
71	39.1	31.3	46.9

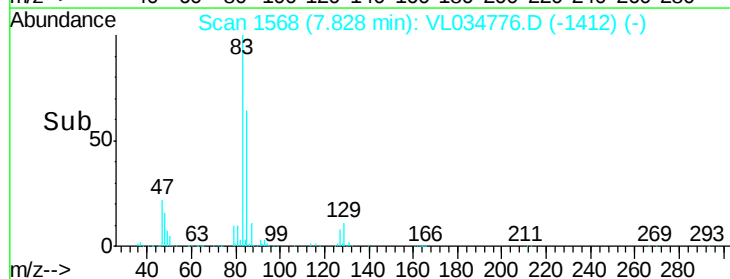
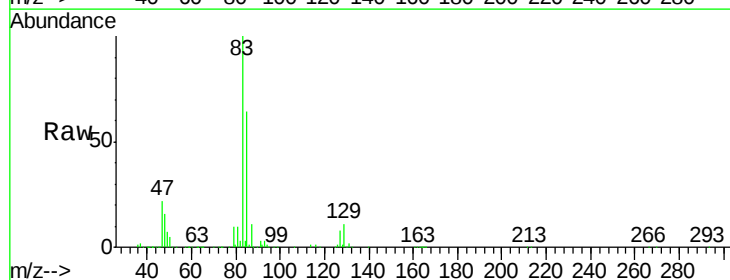
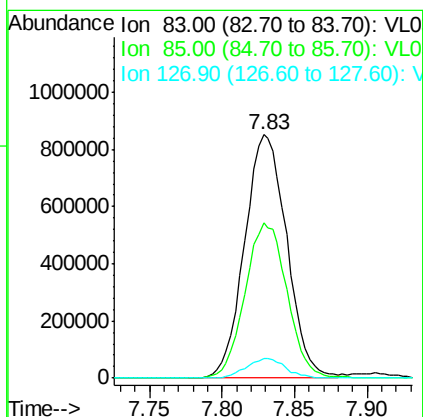
Manual Integrations
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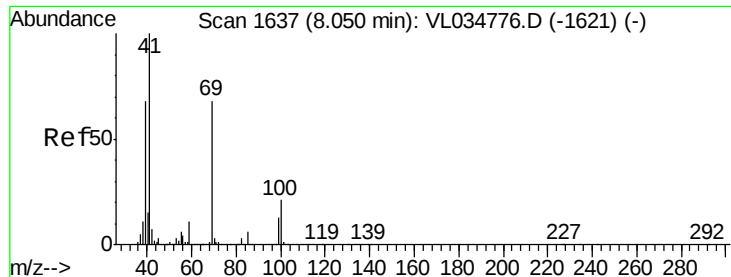
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#42
Bromodichloromethane
Concen: 10.085 ppbv
RT: 7.83 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VL034776.D
Acq: 4 Mar 2020 1:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	50.8	76.2
127	8.1	6.5	9.7





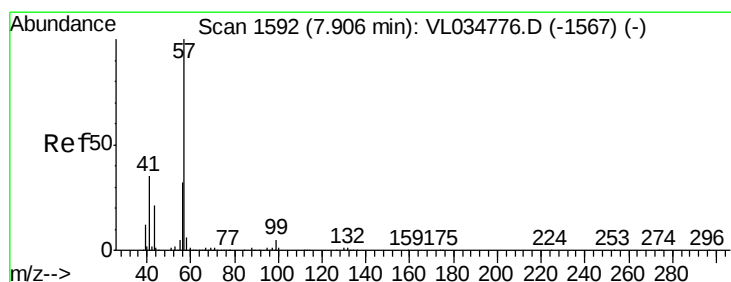
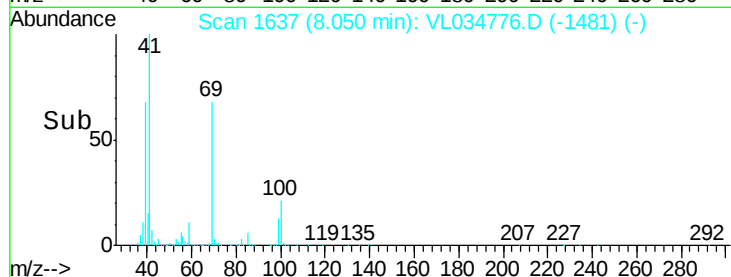
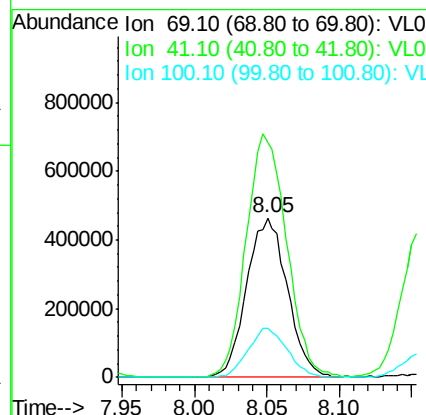
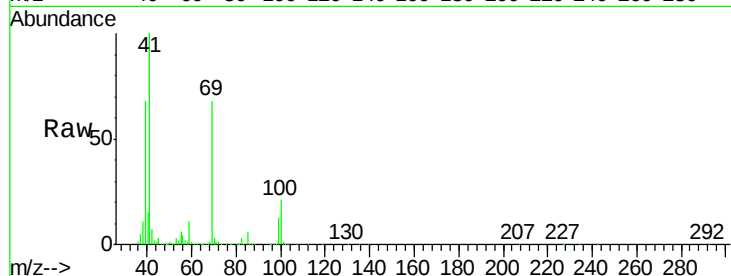
#43
Methvl Methacrvlate
Concen: 10.502 ppbv
RT: 8.05 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VL034776.D
Acq: 4 Mar 2020 1:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	152.0	121.6	182.4	
100	29.8	23.8	35.8	

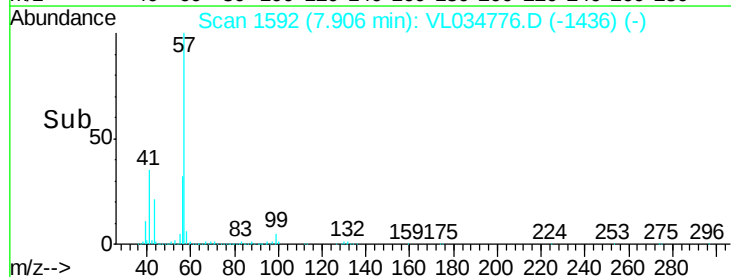
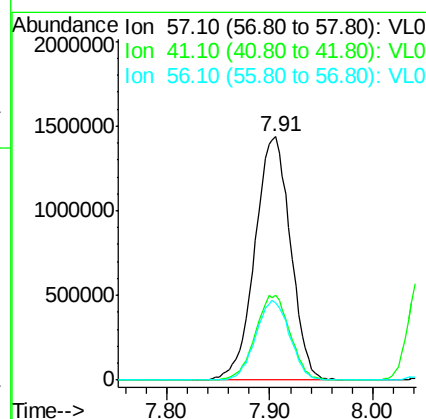
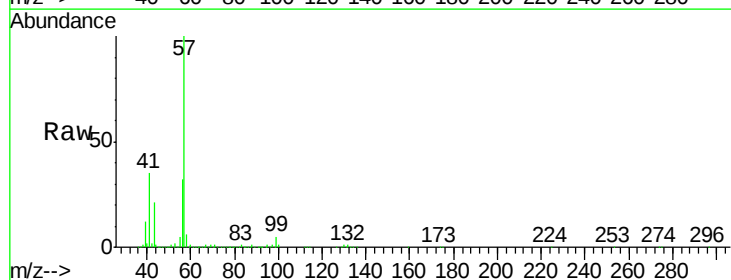
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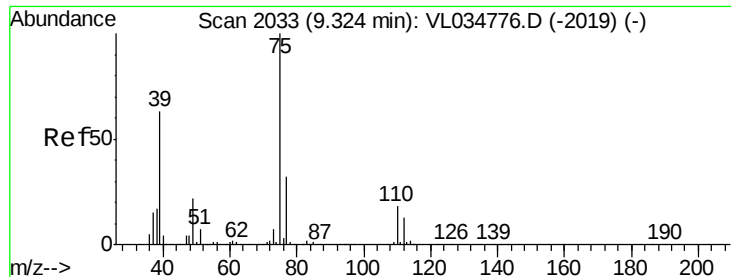
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#44
2,2,4-Trimethylpentane
Concen: 9.559 ppbv
RT: 7.91 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VL034776.D
Acq: 4 Mar 2020 1:23

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	34.2	27.4	41.0	
56	31.3	25.0	37.6	





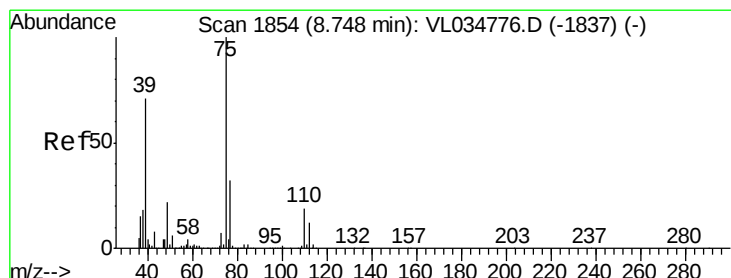
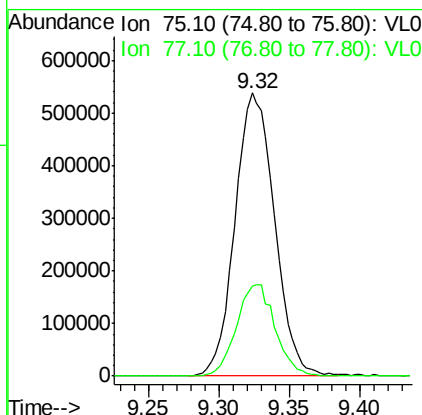
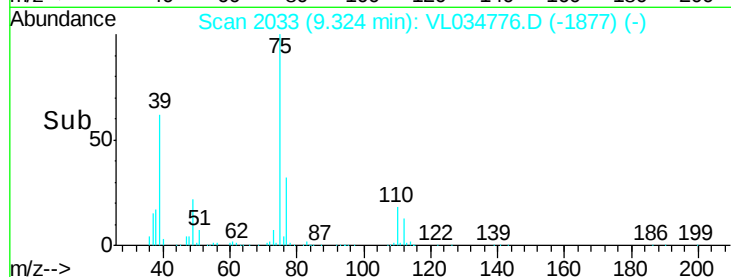
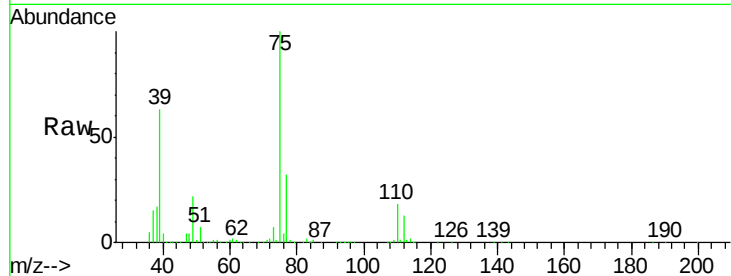
#45
t-1,3-Dichloropropene
Concen: 11.264 ppbv
RT: 9.32 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VL034776.D
Acq: 4 Mar 2020 1:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 75 Resp: 1055917
Ion Ratio Lower Upper
75 100
77 32.0 25.6 38.4

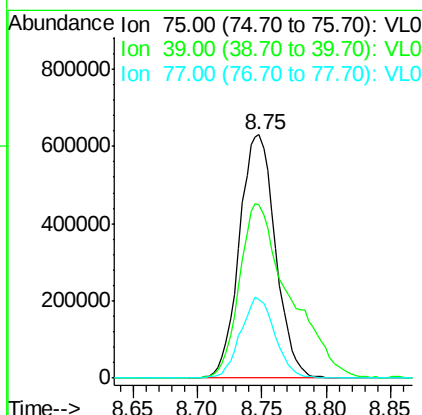
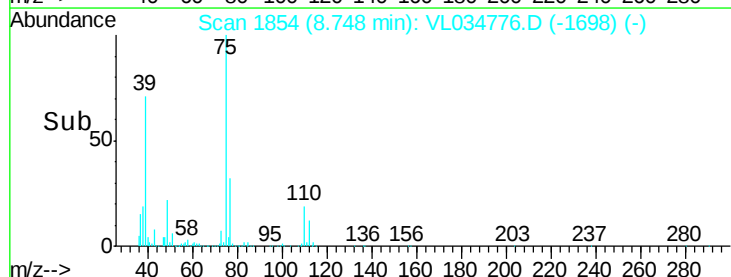
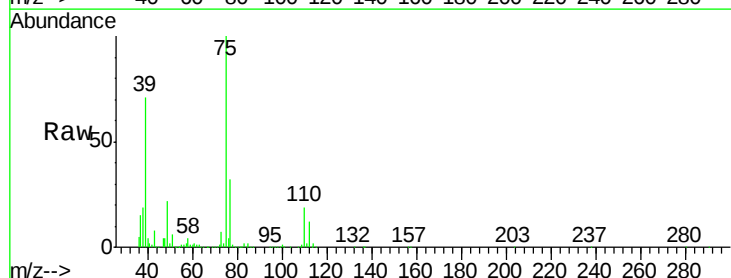
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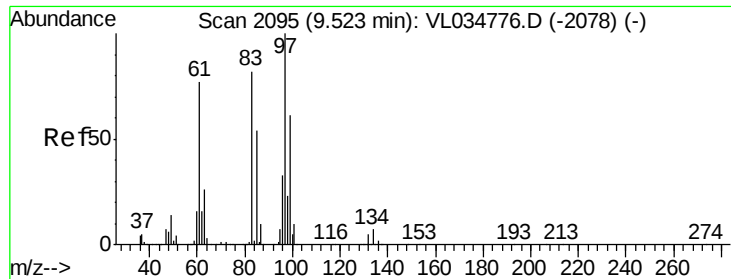
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#46
cis-1,3-Dichloropropene
Concen: 10.891 ppbv
RT: 8.75 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VL034776.D
Acq: 4 Mar 2020 1:23

Tgt Ion: 75 Resp: 1227357
Ion Ratio Lower Upper
75 100
39 71.1 56.9 85.3
77 32.1 25.7 38.5





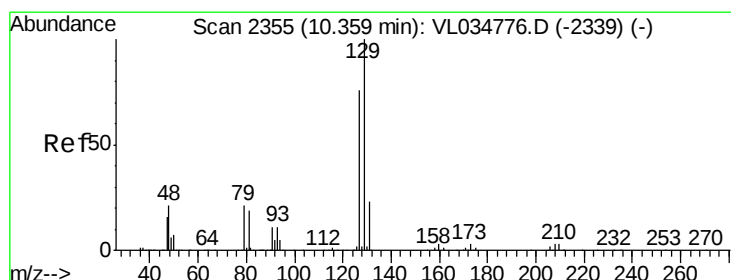
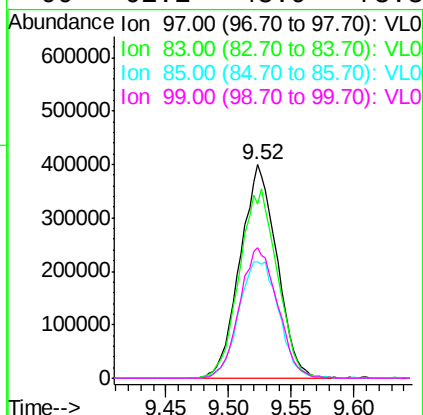
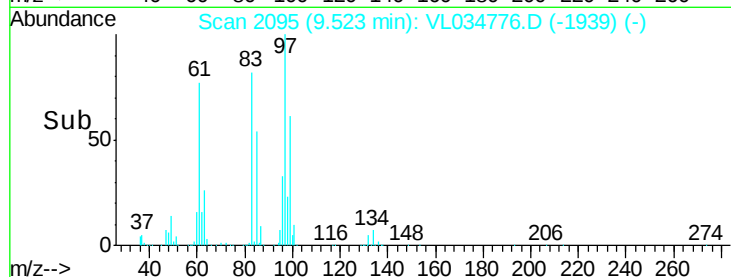
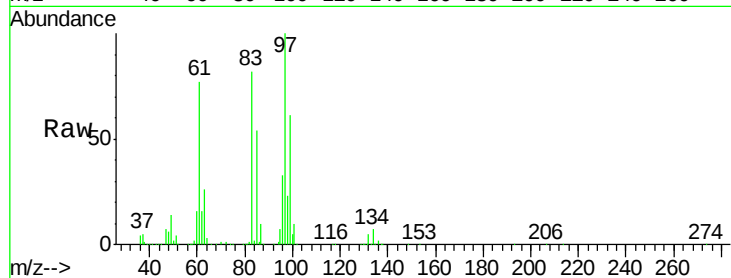
#47
 1,1,2-Trichloroethane
 Concen: 9.721 ppbv
 RT: 9.52 min Scan# 2095
 Delta R.T. 0.00 min
 Lab File: VL034776.D
 Acq: 4 Mar 2020 1:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		817621		
83	81.5	65.2	97.8		
85	54.5	43.6	65.4		
99	61.1	48.9	73.3		

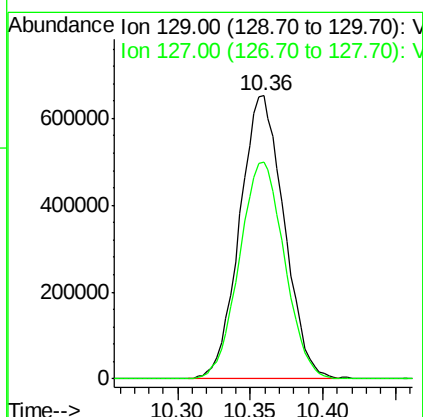
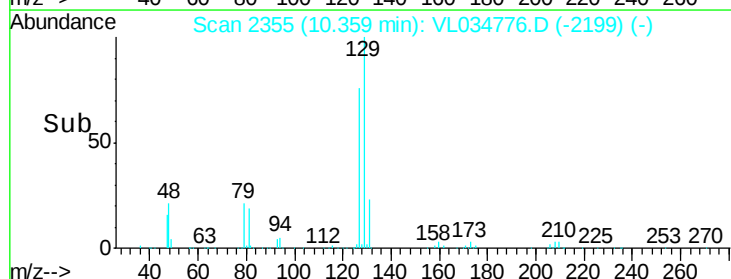
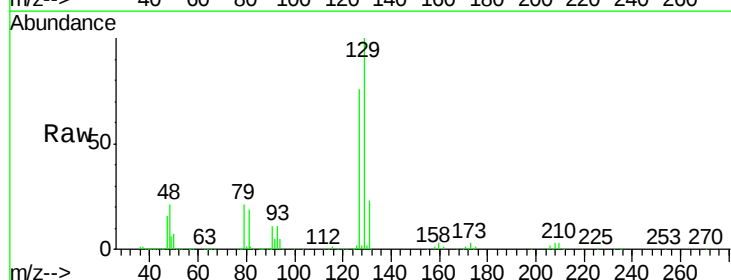
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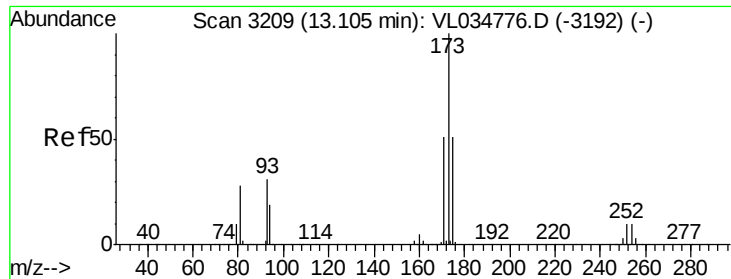
apatel
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#48
 Dibromochloromethane
 Concen: 10.549 ppbv
 RT: 10.36 min Scan# 2355
 Delta R.T. 0.00 min
 Lab File: VL034776.D
 Acq: 4 Mar 2020 1:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
129	100		1385620		
127	78.0	39.0	117.0		





#49

Bromoform

Concen: 10.799 ppbv

RT: 13.10 min Scan# 3209

Delta R.T. 0.00 min

Lab File: VL034776.D

Acq: 4 Mar 2020 1:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:173 Resp: 1234869

Ion Ratio Lower Upper

173 100

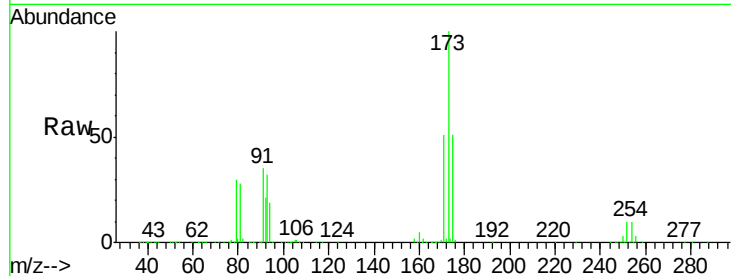
175 49.7 39.8 59.6

171 51.1 41.0 61.4

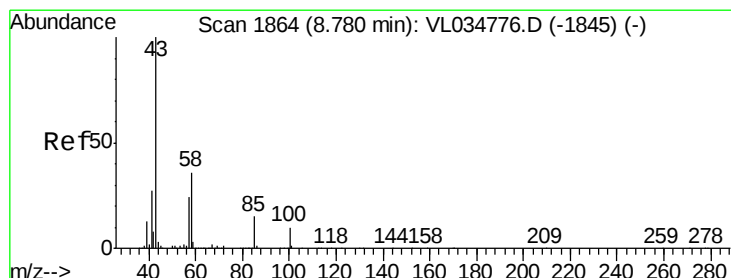
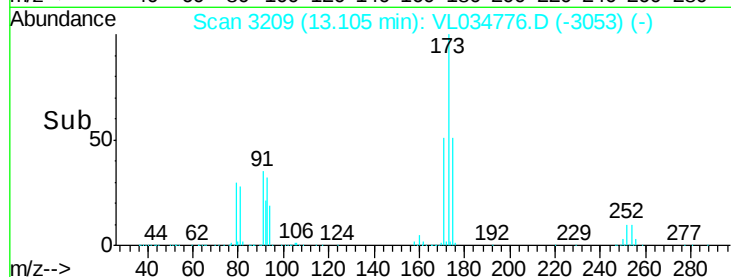
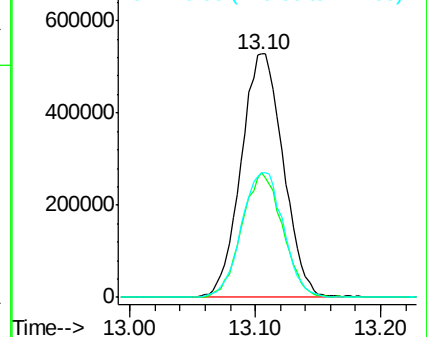
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Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.398 ppbv

RT: 8.78 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VL034776.D

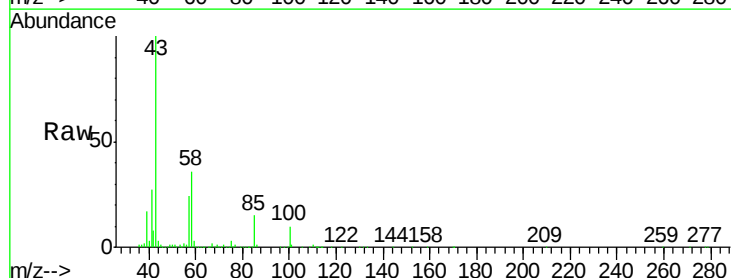
Acq: 4 Mar 2020 1:23

Tgt Ion: 43 Resp: 2220759

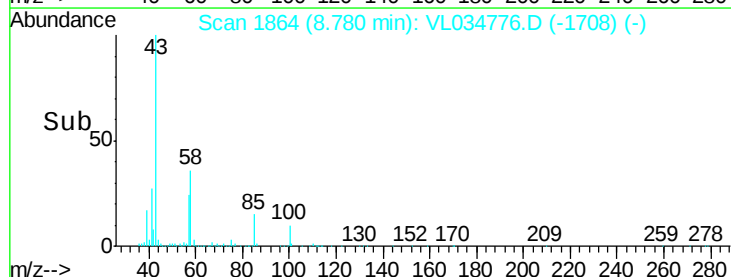
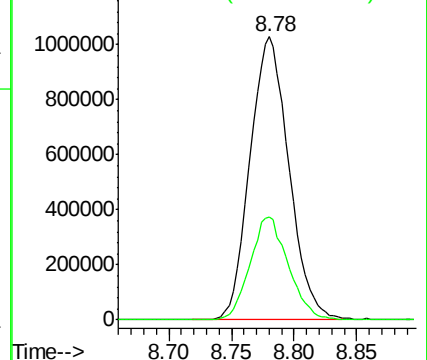
Ion Ratio Lower Upper

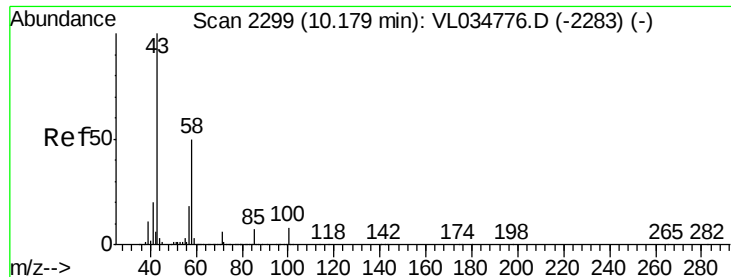
43 100

58 35.8 28.7 43.1



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





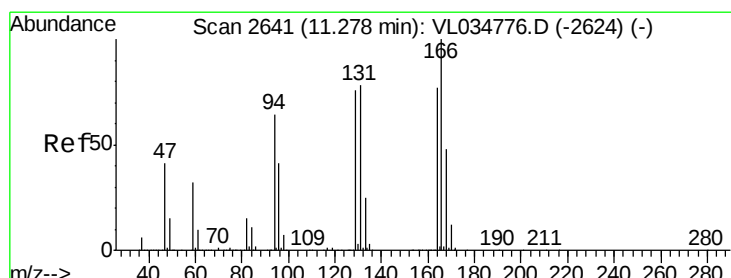
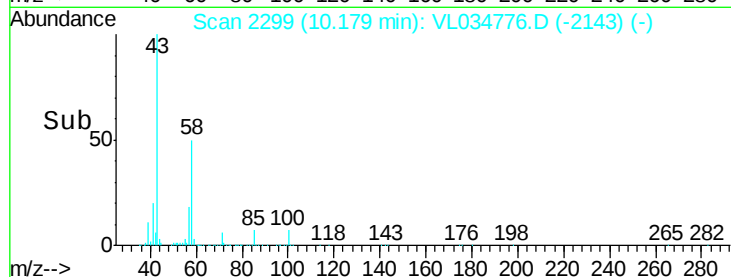
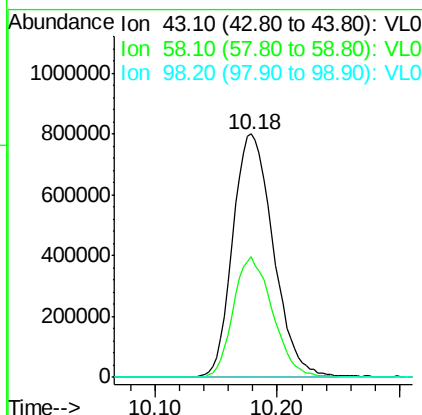
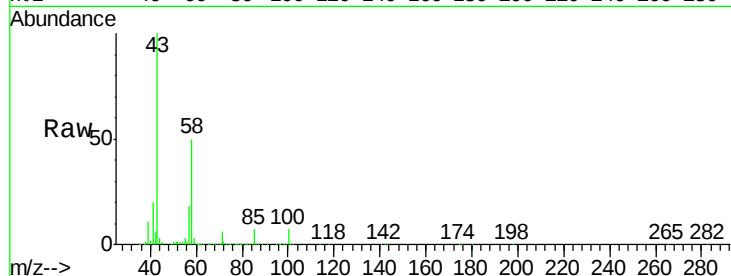
#51
2-Hexanone
Concen: 10.952 ppbv
RT: 10.18 min Scan# 2299
Delta R.T. 0.00 min
Lab File: VL034776.D
Acq: 4 Mar 2020 1:23

Instrument :
MSVOA_L
ClientSampled :
VSTDICCC010

Tot Ion: 43 Resp: 1842584
Ion Ratio Lower Upper
43 100
58 48.3 38.6 58.0
98 0.3 0.2 0.4

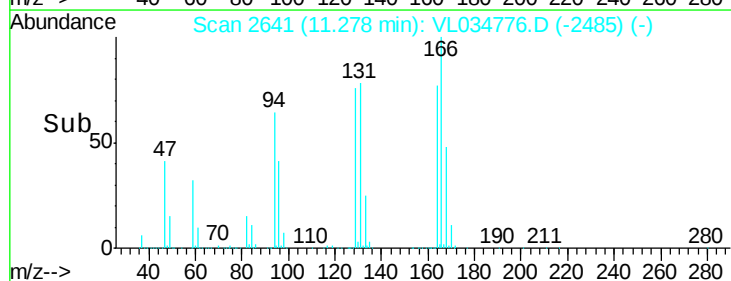
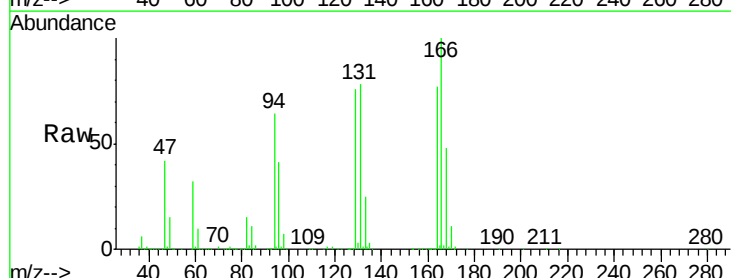
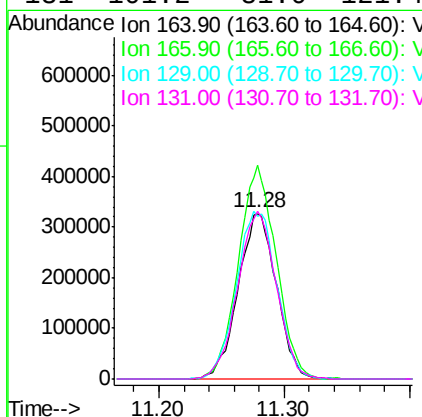
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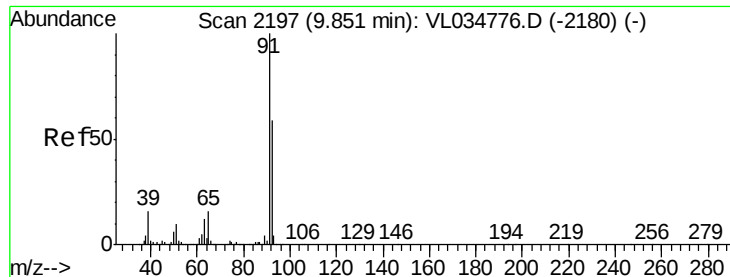
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#52
Tetrachloroethene
Concen: 9.172 ppbv
RT: 11.28 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VL034776.D
Acq: 4 Mar 2020 1:23

Tgt Ion: 164 Resp: 694147
Ion Ratio Lower Upper
164 100
166 129.1 103.3 154.9
129 98.7 79.0 118.4
131 101.2 81.0 121.4





#53

Toluene

Concen: 10.330 ppbv

RT: 9.85 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VL034776.D

Acq: 4 Mar 2020 1:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 91 Resp: 2259807

Ion Ratio Lower Upper

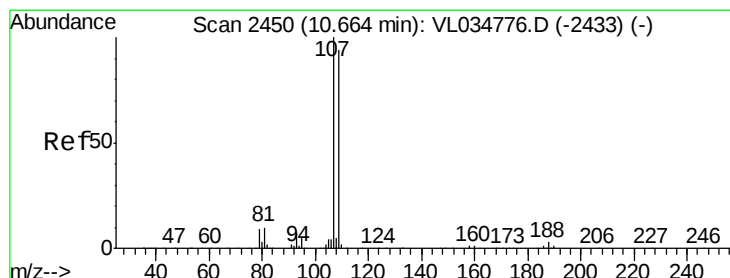
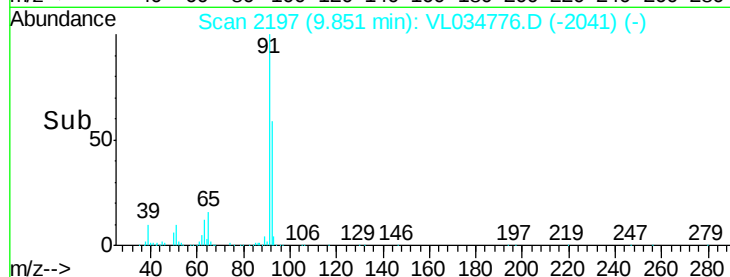
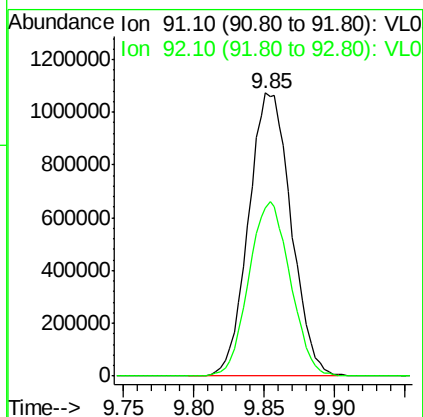
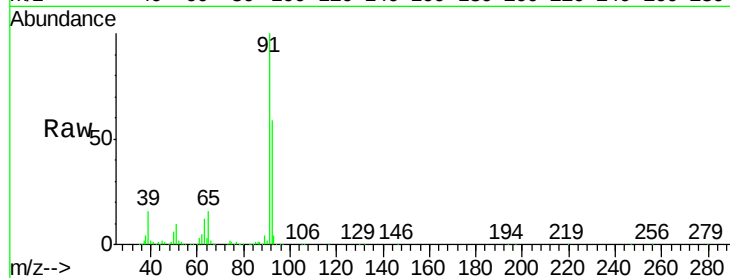
91 100

92 60.2 48.2 72.2

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#54

1,2-Dibromoethane

Concen: 9.995 ppbv

RT: 10.66 min Scan# 2450

Delta R.T. 0.00 min

Lab File: VL034776.D

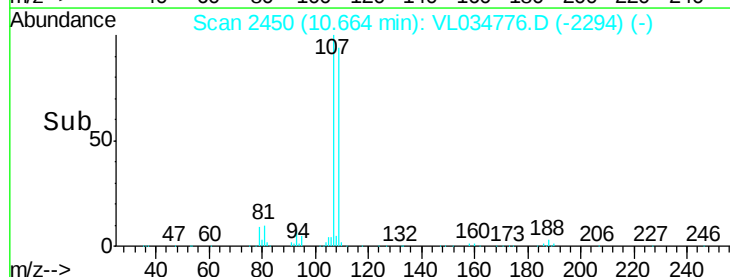
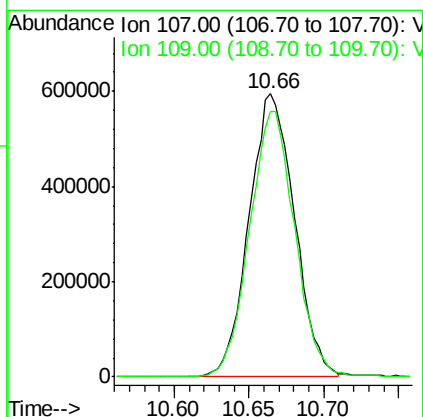
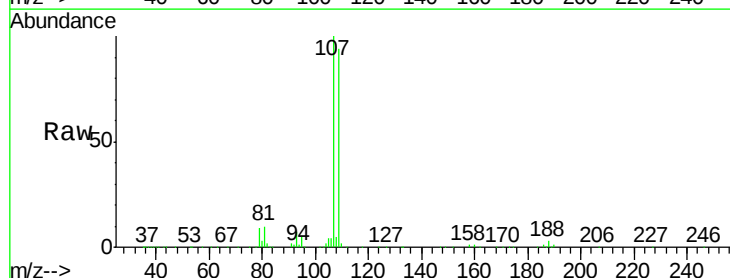
Acq: 4 Mar 2020 1:23

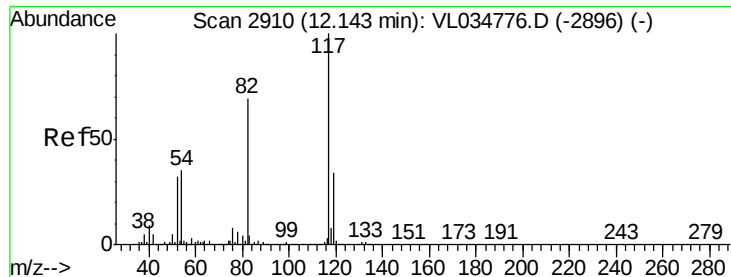
Tgt Ion: 107 Resp: 1255632

Ion Ratio Lower Upper

107 100

109 93.8 75.0 112.6





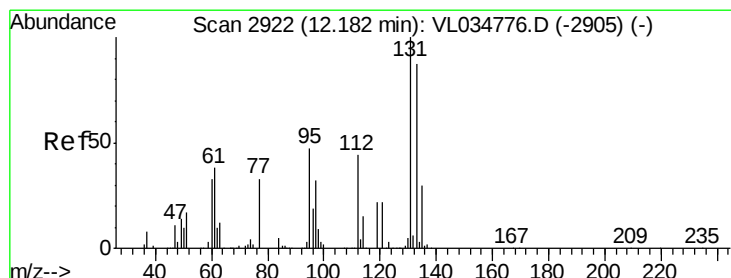
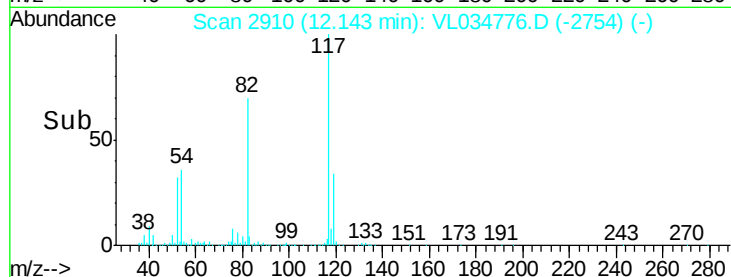
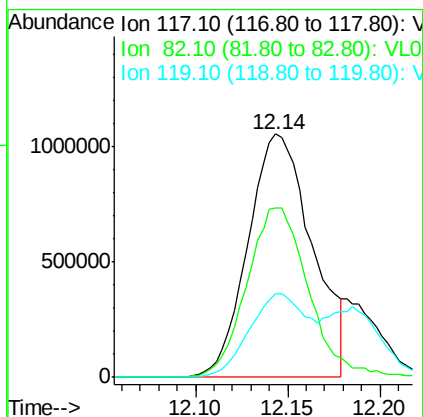
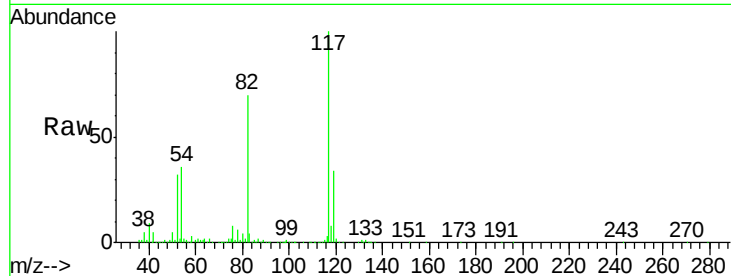
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.14 min Scan# 2910
Delta R.T. 0.00 min
Lab File: VL034776.D
Acq: 4 Mar 2020 1:23

Instrument :
MSVOA_L
ClientSampled :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
117	100		
82	67.2	53.9	80.9
119	55.9	25.0	37.4

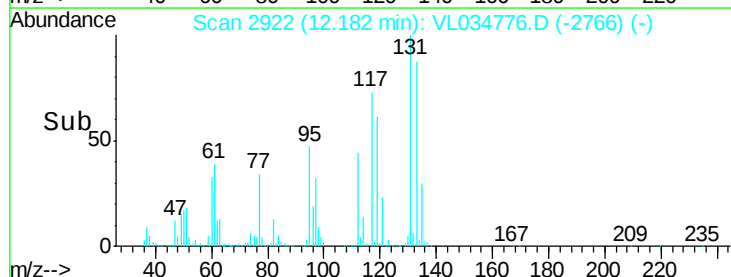
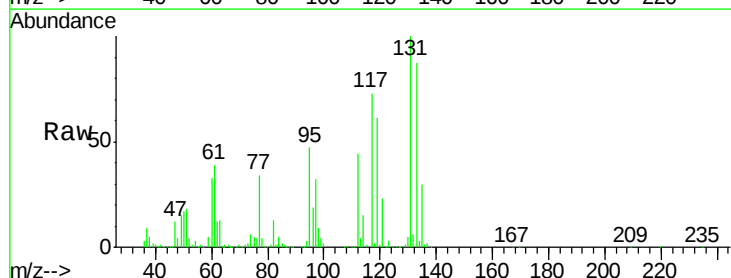
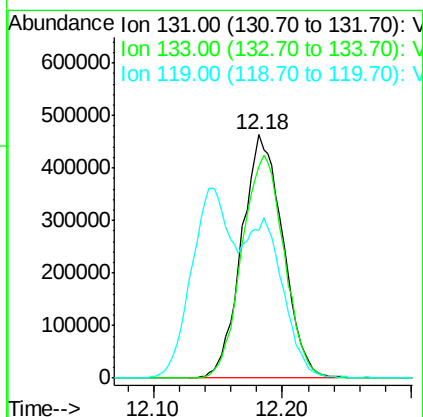
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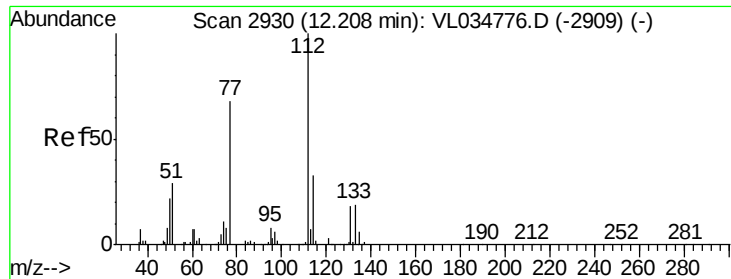
apatel
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.416 ppbv
RT: 12.18 min Scan# 2922
Delta R.T. 0.00 min
Lab File: VL034776.D
Acq: 4 Mar 2020 1:23

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.2	75.4	113.0
119	138.1	110.5	165.7





#57

Chlorobenzene

Concen: 9.022 ppbv

RT: 12.21 min Scan# 2930

Delta R.T. 0.00 min

Lab File: VL034776.D

Acq: 4 Mar 2020 1:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 112 Resp: 1701841

Ion Ratio Lower Upper

112 100

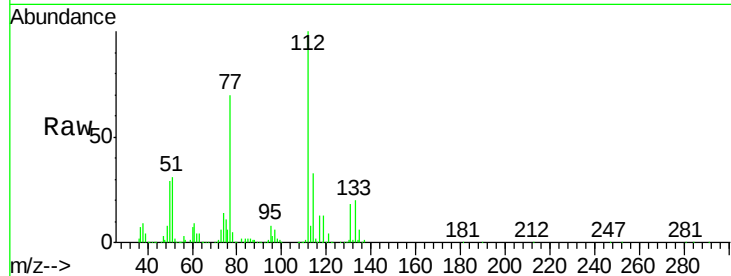
77 69.5 55.6 83.4

114 32.7 29.4 36.0

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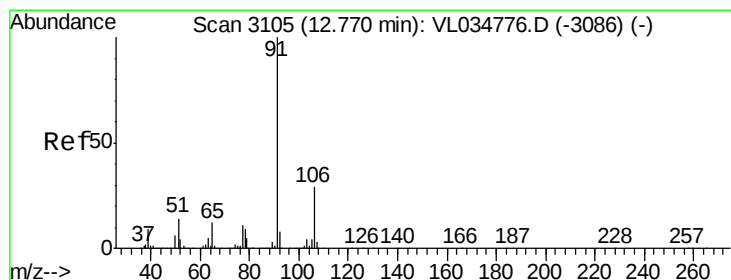
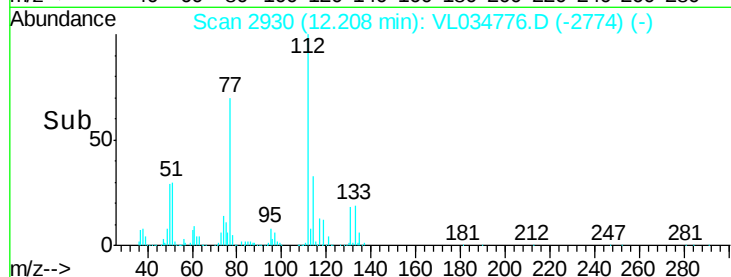
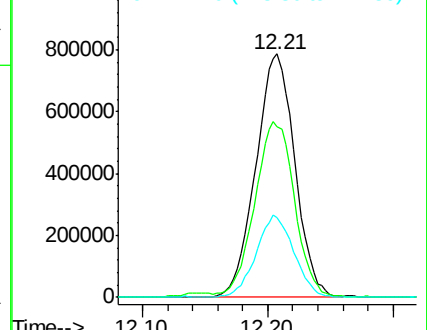
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 10.012 ppbv

RT: 12.77 min Scan# 3105

Delta R.T. 0.00 min

Lab File: VL034776.D

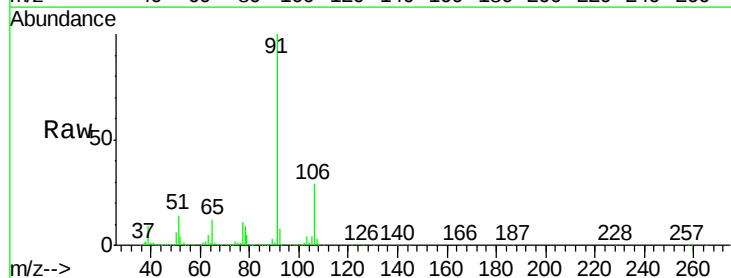
Acq: 4 Mar 2020 1:23

Tgt Ion: 91 Resp: 3102641

Ion Ratio Lower Upper

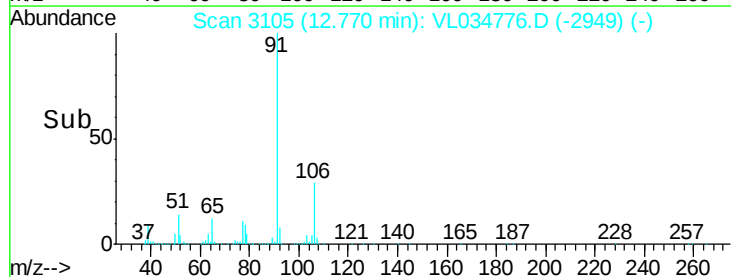
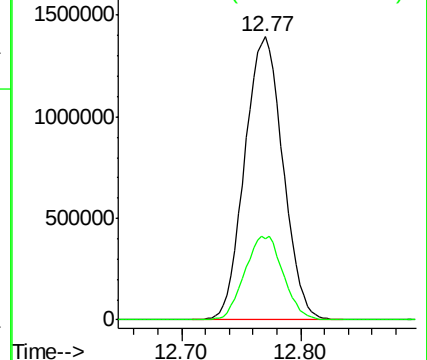
91 100

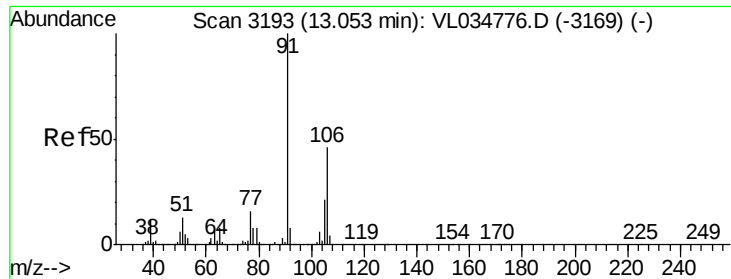
106 28.5 22.8 34.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





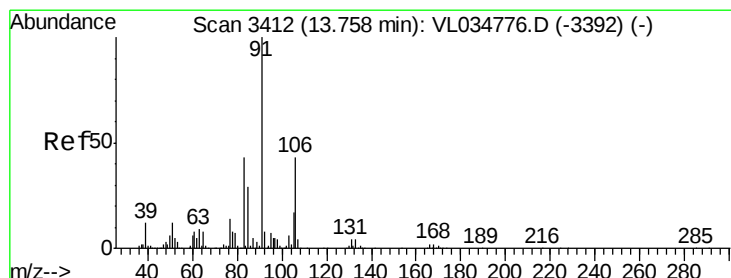
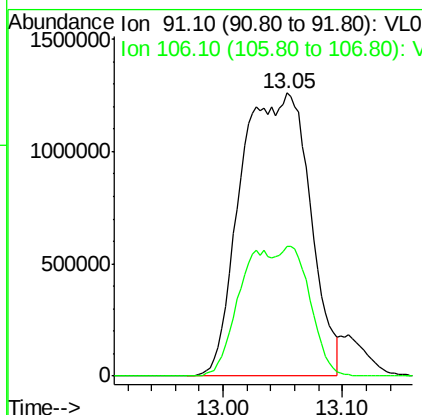
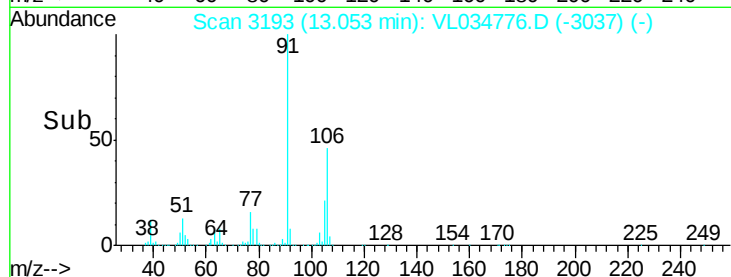
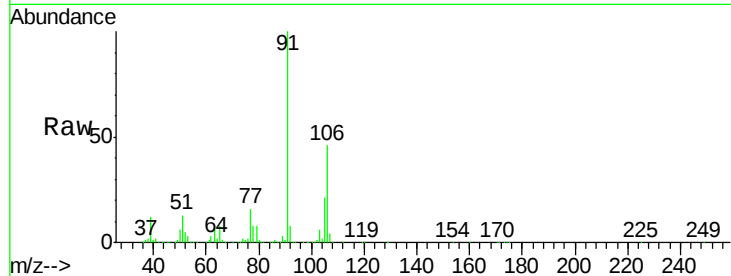
#59
m/p-Xylene
Concen: 18.838 ppbv m
RT: 13.05 min Scan# 3193
Delta R.T. 0.00 min
Lab File: VL034776.D
Acq: 4 Mar 2020 1:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 91 Resp: 5066637
Ion Ratio Lower Upper
91 100
106 44.8 35.8 53.8

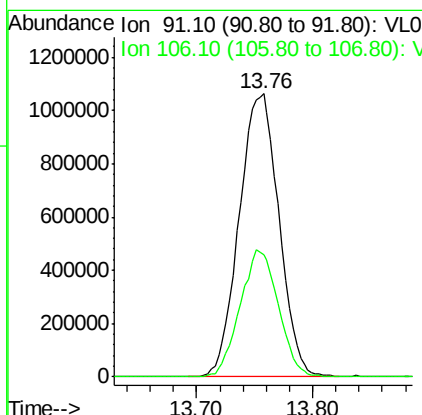
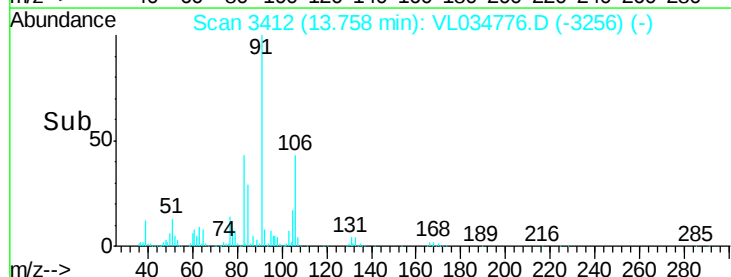
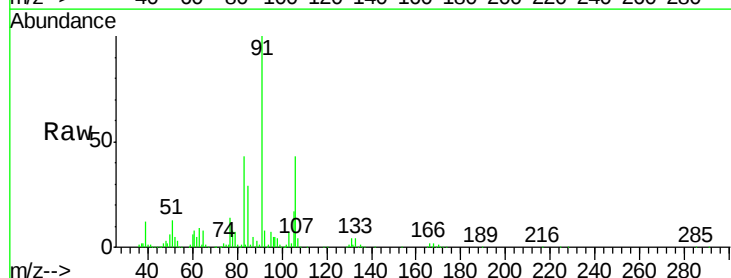
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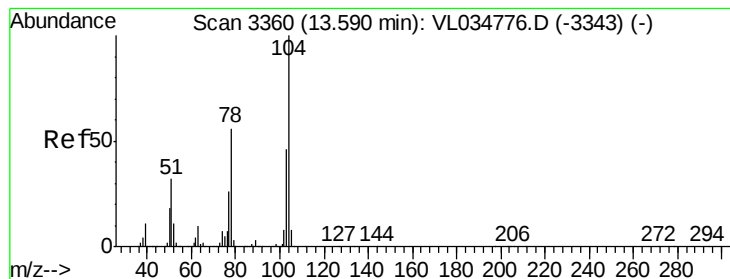
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#60
o-Xylene
Concen: 9.441 ppbv
RT: 13.76 min Scan# 3412
Delta R.T. 0.00 min
Lab File: VL034776.D
Acq: 4 Mar 2020 1:23

Tgt Ion: 91 Resp: 2530647
Ion Ratio Lower Upper
91 100
106 43.5 21.7 65.1





#61

Stvrene

Concen: 10.561 ppbv

RT: 13.59 min Scan# 3360

Delta R.T. 0.00 min

Lab File: VL034776.D

Acq: 4 Mar 2020 1:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:104 Resp: 1812232

Ion Ratio Lower Upper

104 100

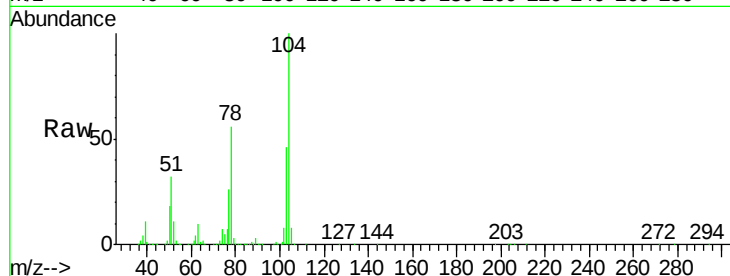
78 56.1 44.7 67.1

103 47.9 38.2 57.2

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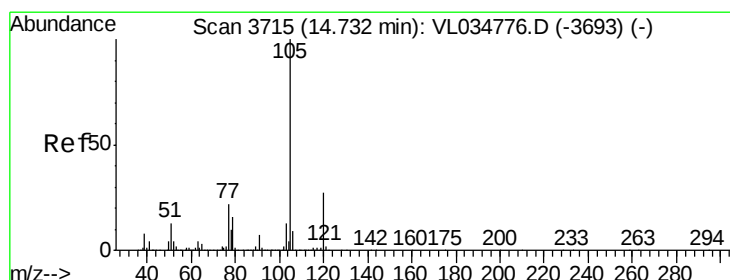
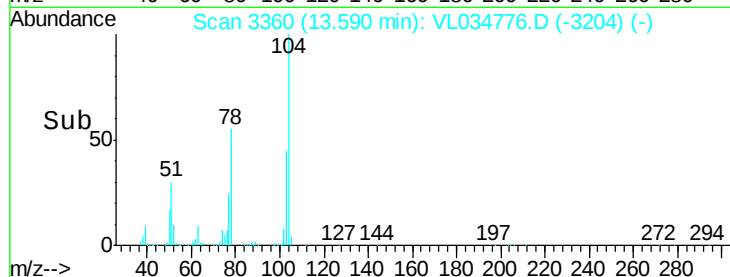
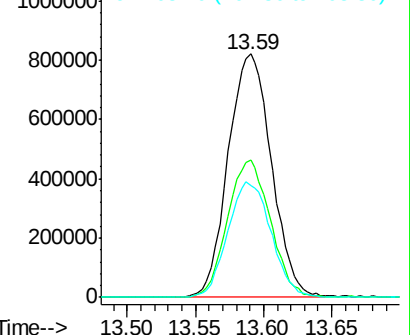
3/4/2020 4:44:52 PM



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: 9.430 ppbv

RT: 14.73 min Scan# 3715

Delta R.T. 0.00 min

Lab File: VL034776.D

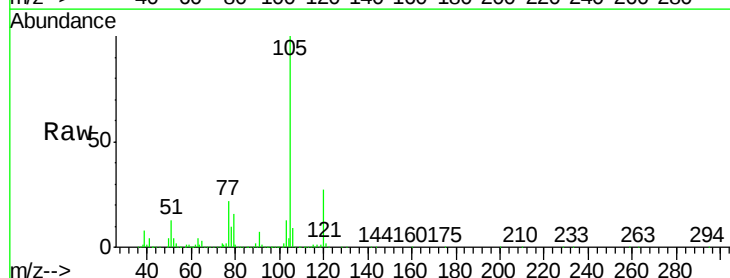
Acq: 4 Mar 2020 1:23

Tgt Ion:105 Resp: 3687905

Ion Ratio Lower Upper

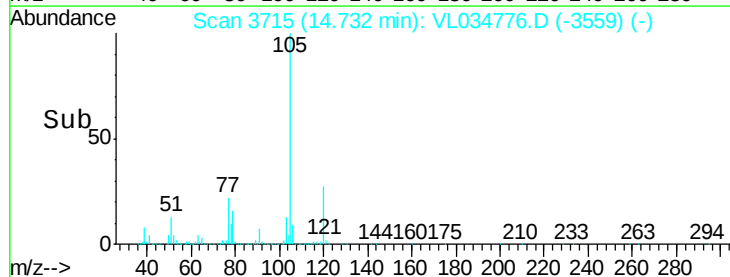
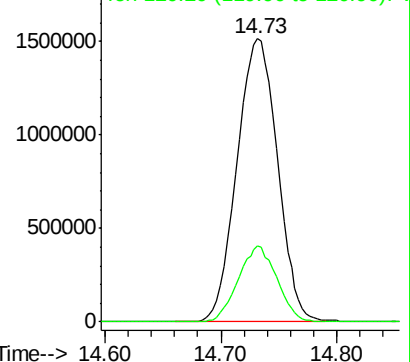
105 100

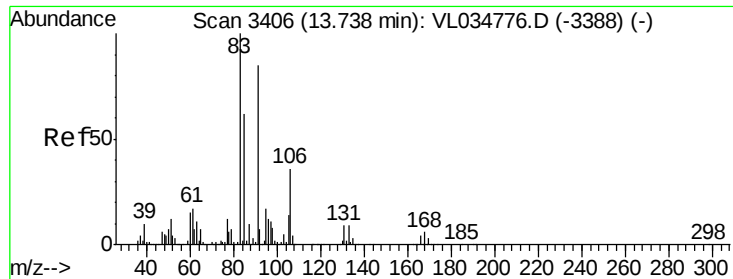
120 25.6 20.5 30.7



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





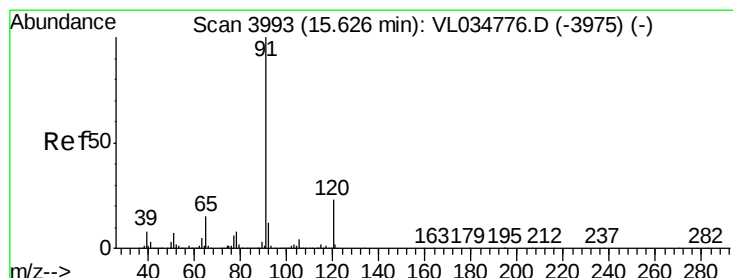
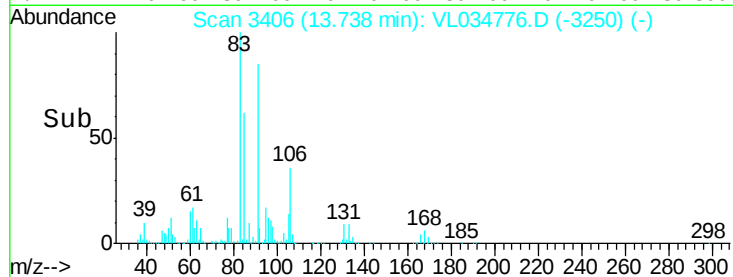
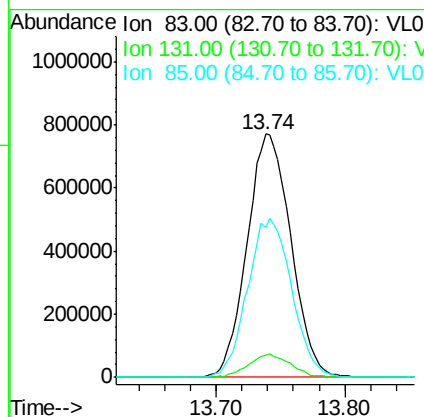
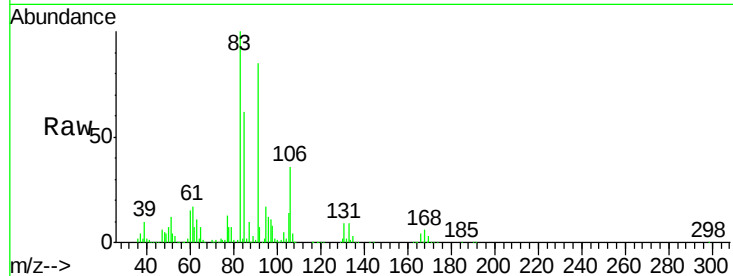
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.727 ppbv
 RT: 13.74 min Scan# 3406
 Delta R.T. 0.00 min
 Lab File: VL034776.D
 Acq: 4 Mar 2020 1:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	83	Resp	1822699
Ion Ratio	100	Lower	Upper
83	100		
131	9.3	4.7	14.0
85	65.9	32.9	98.7

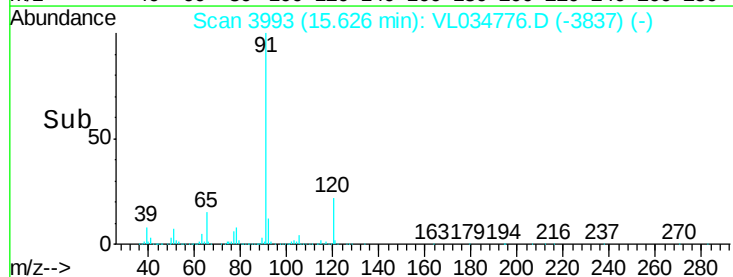
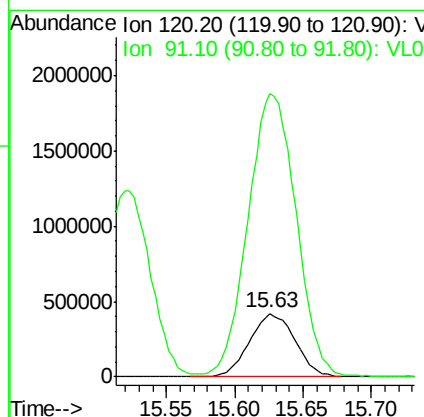
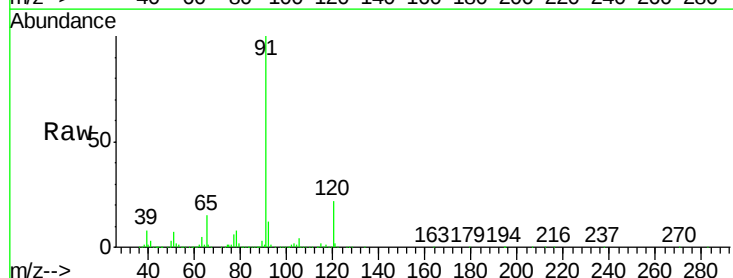
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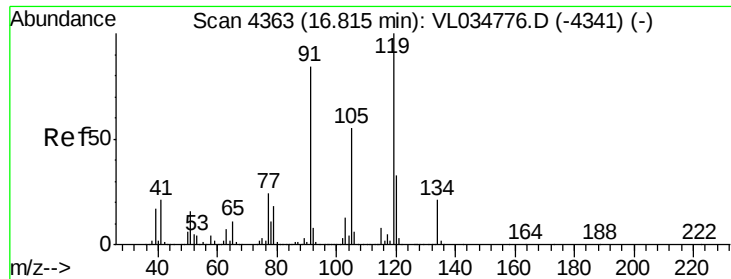
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#64
 n-propylbenzene
 Concen: 9.672 ppbv
 RT: 15.63 min Scan# 3993
 Delta R.T. 0.00 min
 Lab File: VL034776.D
 Acq: 4 Mar 2020 1:23

Tgt Ion	120	Resp	974289
Ion Ratio	100	Lower	Upper
120	100		
91	473.8	379.4	569.2





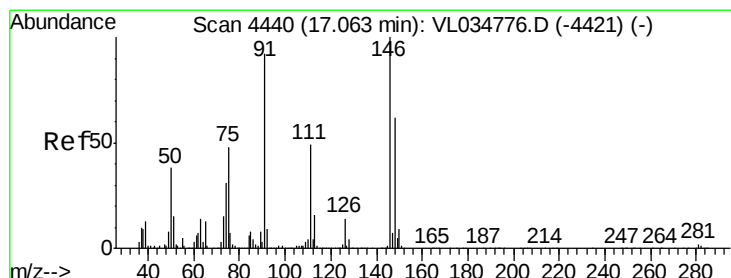
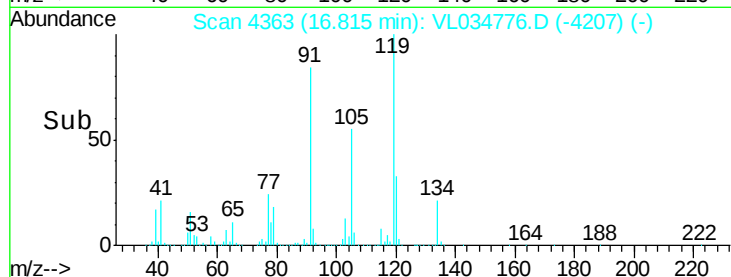
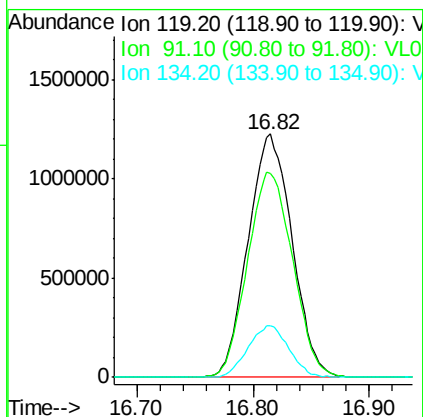
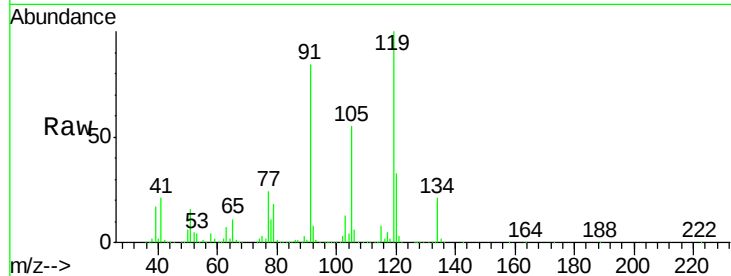
#65
tert-Butylbenzene
Concen: 9.529 ppbv
RT: 16.82 min Scan# 4363
Delta R.T. 0.00 min
Lab File: VL034776.D
Acq: 4 Mar 2020 1:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 119 Resp: 3224836
Ion Ratio Lower Upper
119 100
91 87.2 69.8 104.6
134 19.9 15.9 23.9

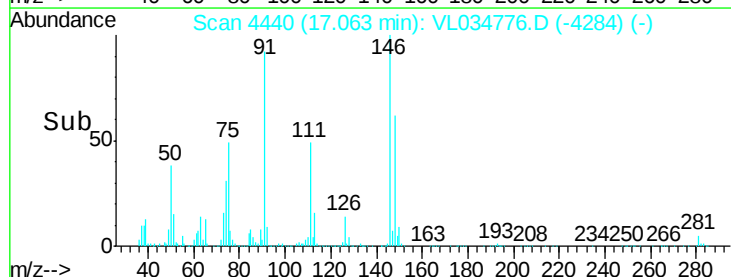
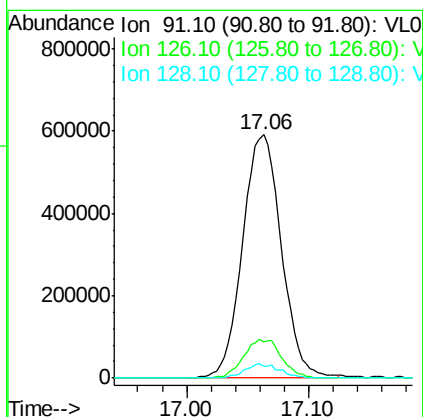
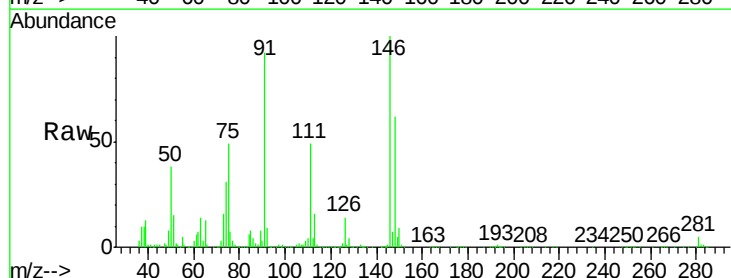
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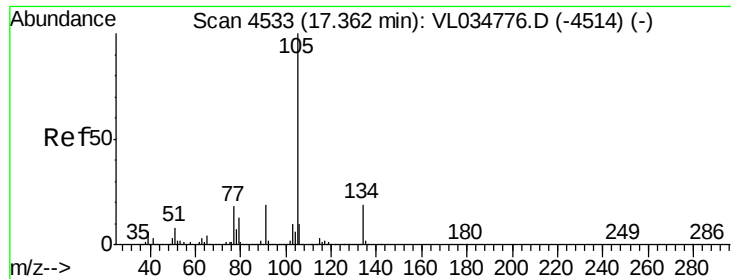
apatel
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#66
Benzyl Chloride
Concen: 10.576 ppbv
RT: 17.06 min Scan# 4440
Delta R.T. 0.00 min
Lab File: VL034776.D
Acq: 4 Mar 2020 1:23

Tgt Ion: 91 Resp: 1297856
Ion Ratio Lower Upper
91 100
126 15.7 12.6 18.8
128 5.4 4.3 6.5





#67

sec-Butylbenzene

Concen: 9.506 ppbv

RT: 17.36 min Scan# 4533

Delta R.T. 0.00 min

Lab File: VL034776.D

Acq: 4 Mar 2020 1:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 105 Resp: 4637776

Ion Ratio Lower Upper

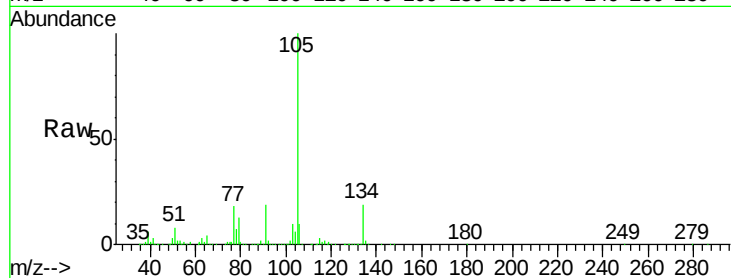
105 100

134 18.4 14.7 22.1

Manual Integrations
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

17.36

2000000

1500000

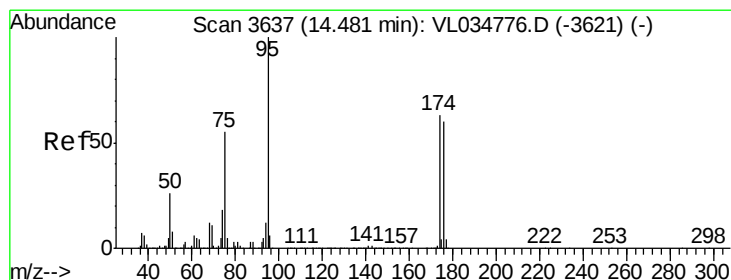
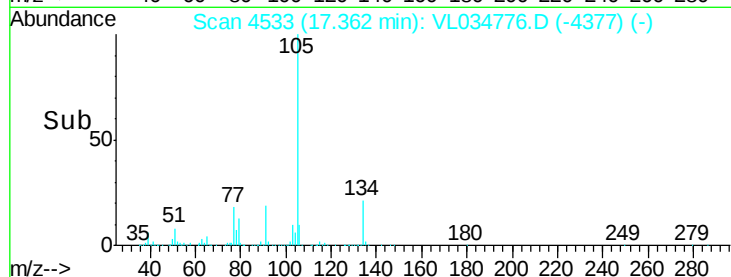
1000000

500000

0

Time-->

17.30 17.40 17.50



#68

1-Bromo-4-Fluorobenzene

Concen: 9.670 ppbv

RT: 14.48 min Scan# 3637

Delta R.T. 0.00 min

Lab File: VL034776.D

Acq: 4 Mar 2020 1:23

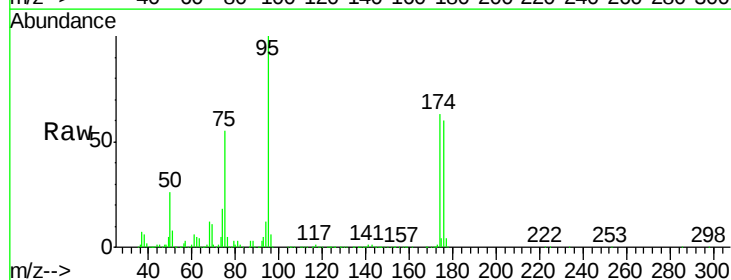
Tgt Ion: 95 Resp: 2020954

Ion Ratio Lower Upper

95 100

174 63.1 50.6 76.0

175 4.7 3.8 5.6



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

1200000

1000000

800000

600000

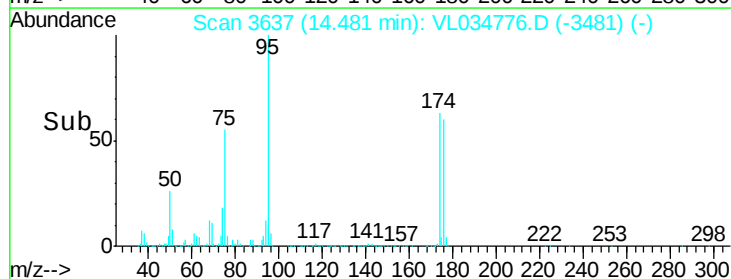
400000

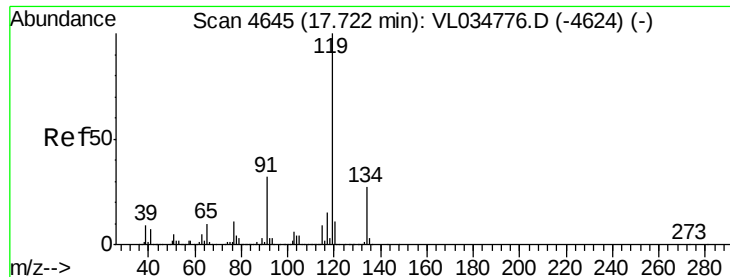
200000

0

Time-->

14.40 14.45 14.50 14.55





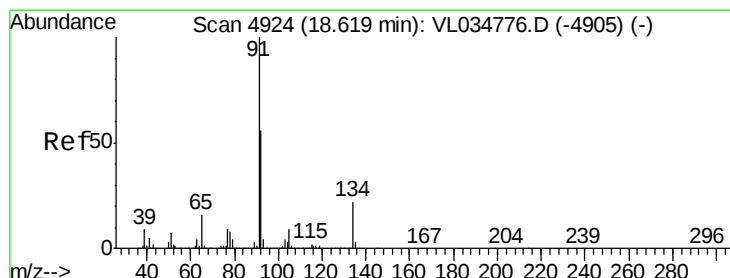
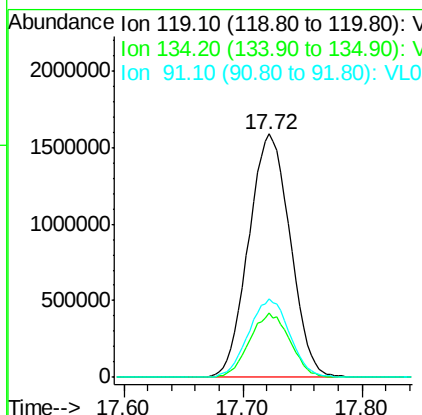
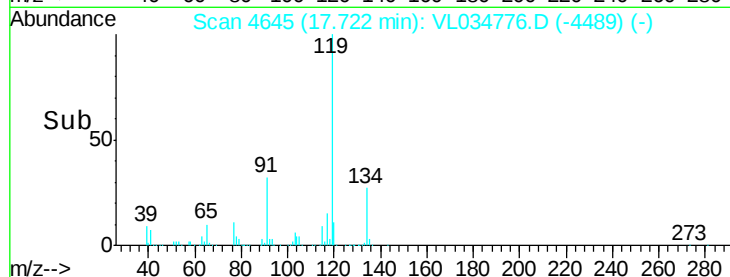
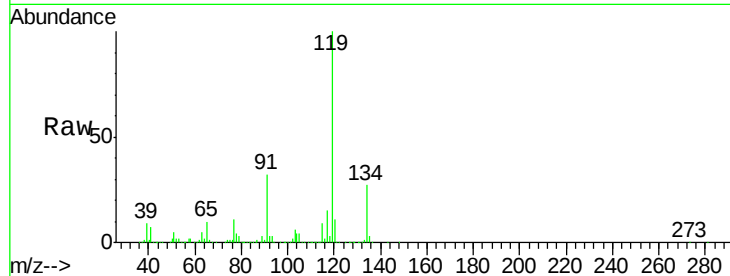
#69
 p-Isopropyltoluene
 Concen: 9.578 ppbv
 RT: 17.72 min Scan# 4645
 Delta R.T. 0.00 min
 Lab File: VL034776.D
 Acq: 4 Mar 2020 1:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.7	20.6	30.8
91	31.8	25.3	37.9

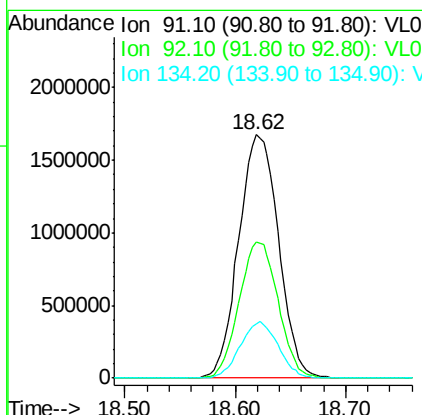
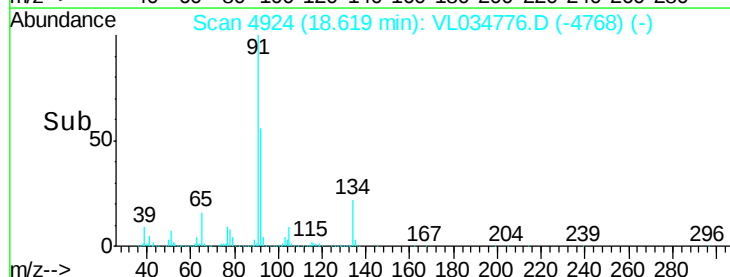
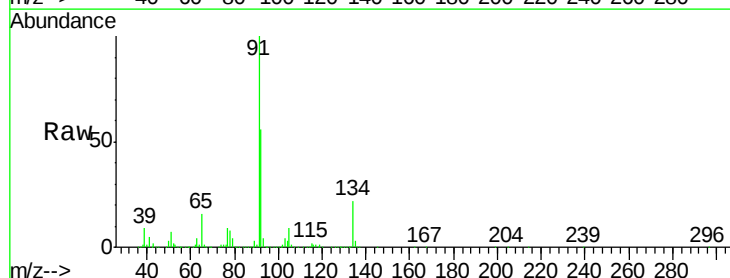
Manual Integrations
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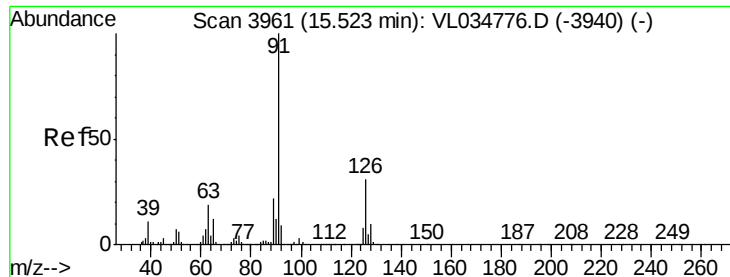
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#70
 n-Butylbenzene
 Concen: 9.568 ppbv
 RT: 18.62 min Scan# 4924
 Delta R.T. 0.00 min
 Lab File: VL034776.D
 Acq: 4 Mar 2020 1:23

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.0	44.0	66.0
134	22.1	17.7	26.5





#71

2-Chlorotoluene

Concen: 9.726 ppbv

RT: 15.52 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VL034776.D

Acq: 4 Mar 2020 1:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 91 Resp: 2953433

Ion Ratio Lower Upper

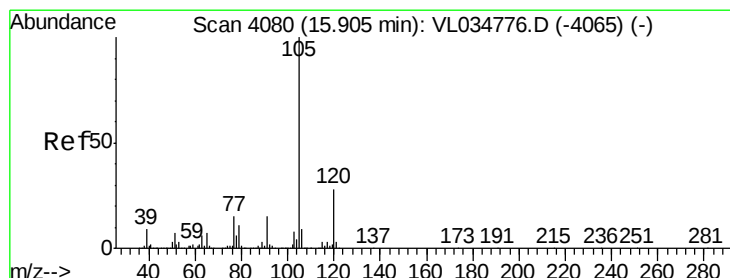
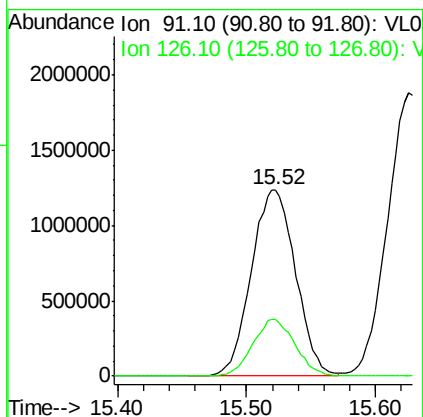
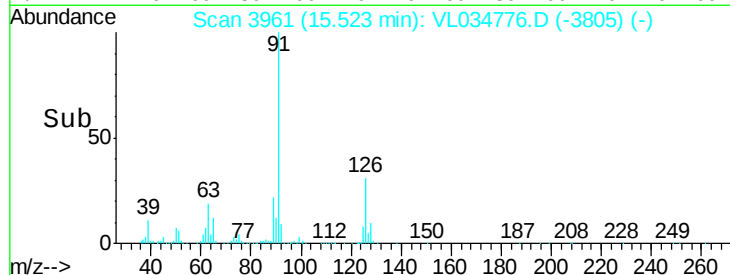
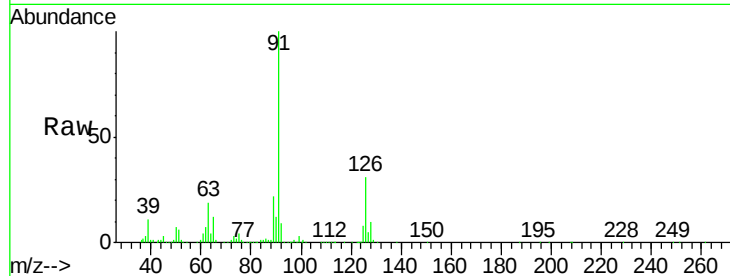
91 100

126 29.2 11.7 46.7

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#72

4-Ethyltoluene

Concen: 9.991 ppbv

RT: 15.91 min Scan# 4080

Delta R.T. 0.00 min

Lab File: VL034776.D

Acq: 4 Mar 2020 1:23

Tgt Ion: 105 Resp: 2987363

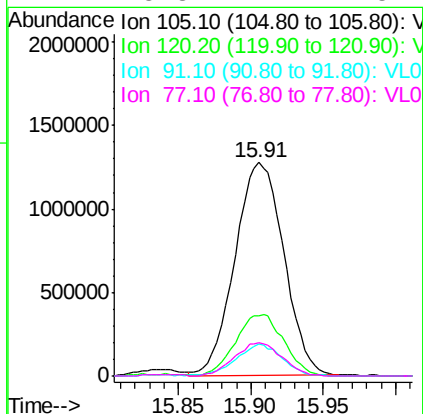
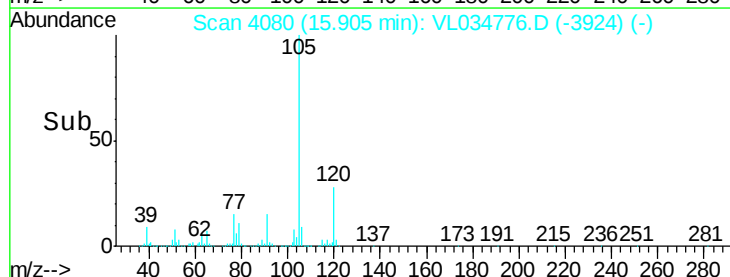
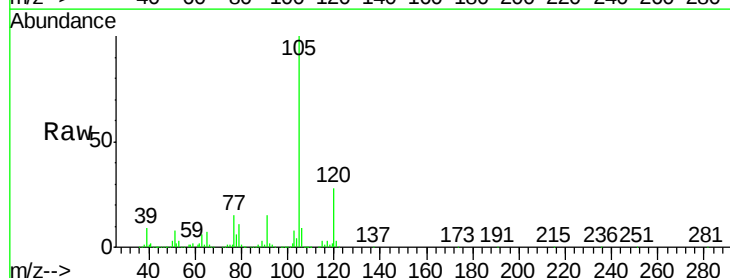
Ion Ratio Lower Upper

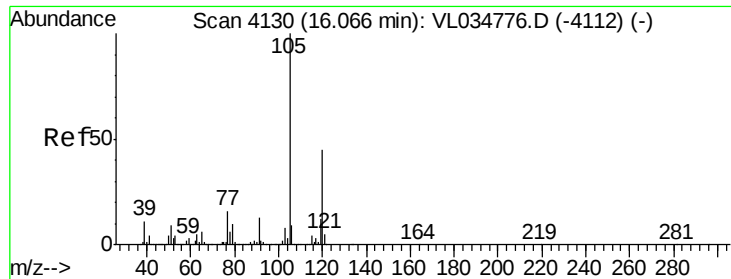
105 100

120 28.8 23.0 34.6

91 13.9 11.1 16.7

77 15.3 12.2 18.4





#73

1,3,5-Trimethylbenzene

Concen: 9.871 ppbv

RT: 16.07 min Scan# 4130

Delta R.T. 0.00 min

Lab File: VL034776.D

Acq: 4 Mar 2020 1:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:105 Resp: 2843906

Ion Ratio Lower Upper

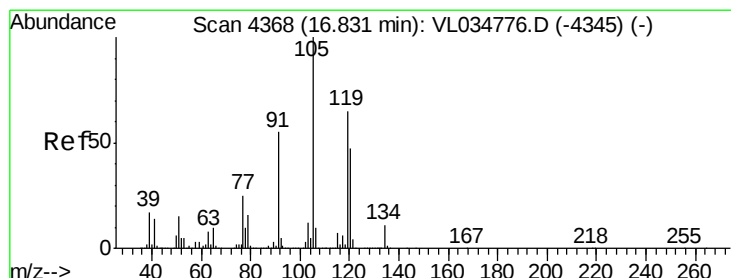
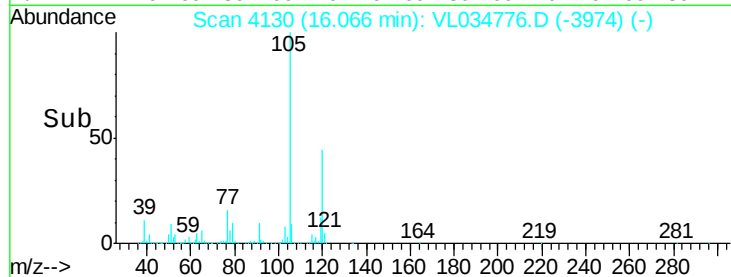
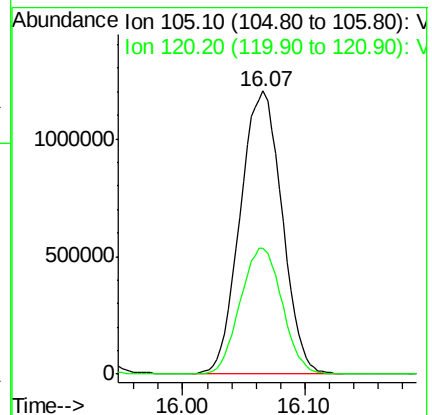
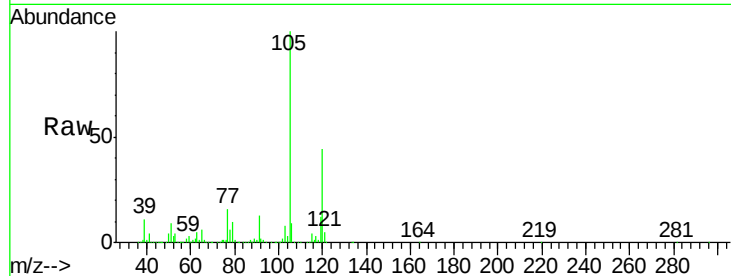
105 100

120 44.5 35.6 53.4

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#74

1,2,4-Trimethylbenzene

Concen: 9.219 ppbv

RT: 16.83 min Scan# 4368

Delta R.T. 0.00 min

Lab File: VL034776.D

Acq: 4 Mar 2020 1:23

Tgt Ion:105 Resp: 2936150

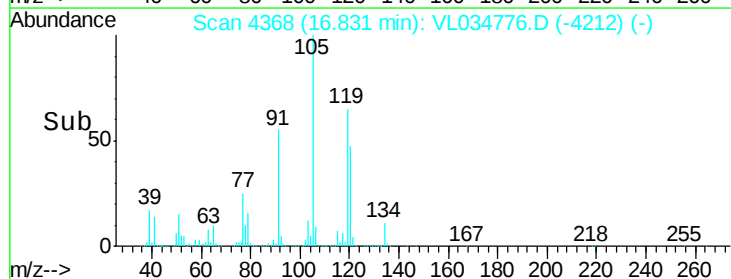
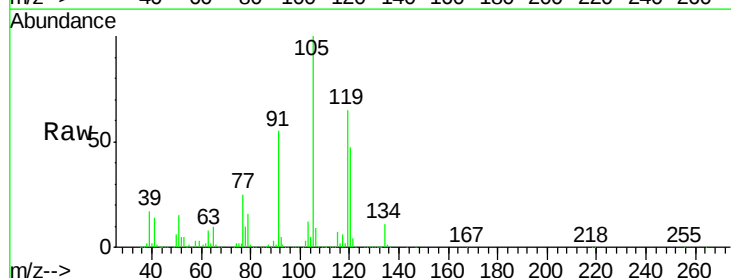
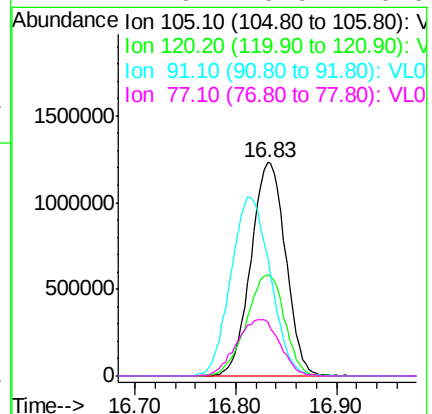
Ion Ratio Lower Upper

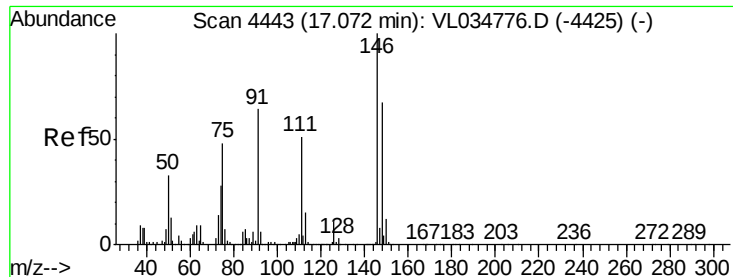
105 100

120 47.2 37.8 56.6

91 54.8 43.8 65.8

77 24.9 19.9 29.9





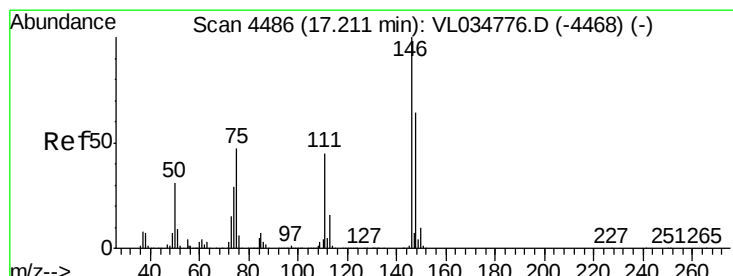
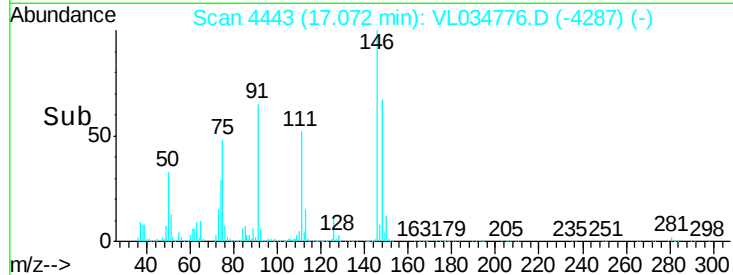
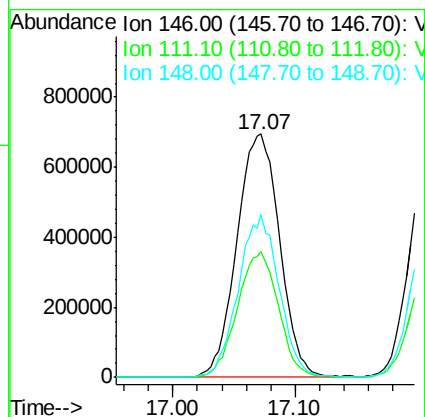
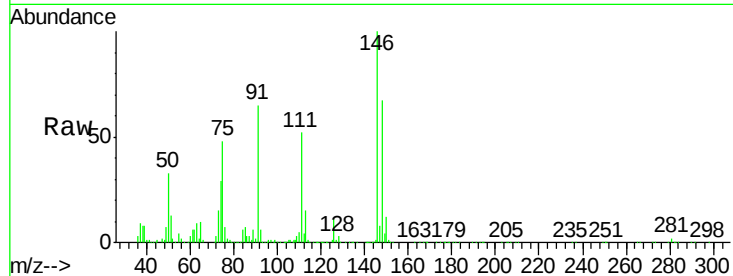
#75
 1,3-Dichlorobenzene
 Concen: 9.174 ppbv
 RT: 17.07 min Scan# 4443
 Delta R.T. 0.00 min
 Lab File: VL034776.D
 Acq: 4 Mar 2020 1:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion:146 Resp: 1685971
 Ion Ratio Lower Upper
 146 100
 111 49.4 24.7 74.1
 148 63.6 31.8 95.4

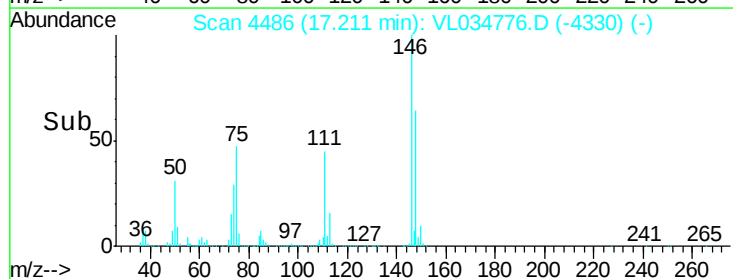
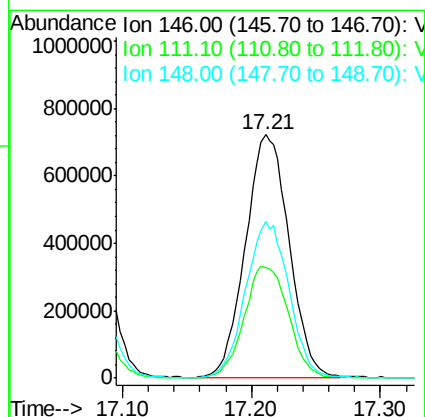
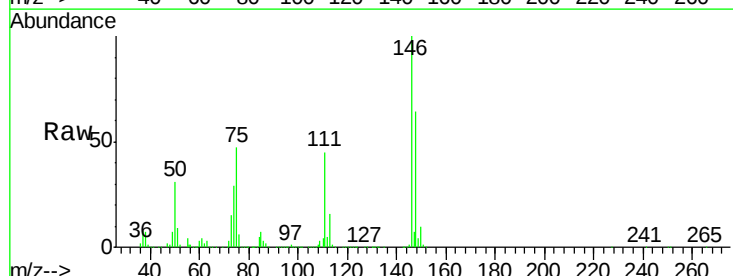
Manual Integrations
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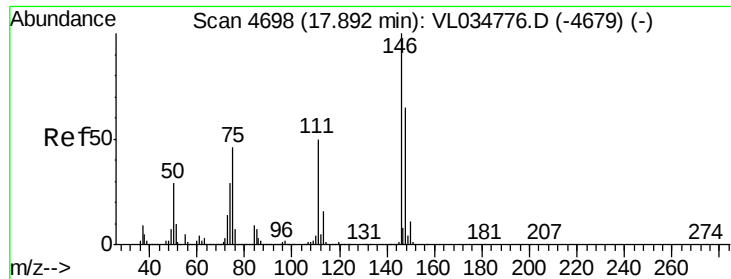
apatel
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#76
 1,4-Dichlorobenzene
 Concen: 9.244 ppbv
 RT: 17.21 min Scan# 4486
 Delta R.T. 0.00 min
 Lab File: VL034776.D
 Acq: 4 Mar 2020 1:23

Tgt Ion:146 Resp: 1695548
 Ion Ratio Lower Upper
 146 100
 111 47.0 23.5 70.5
 148 64.4 32.2 96.6





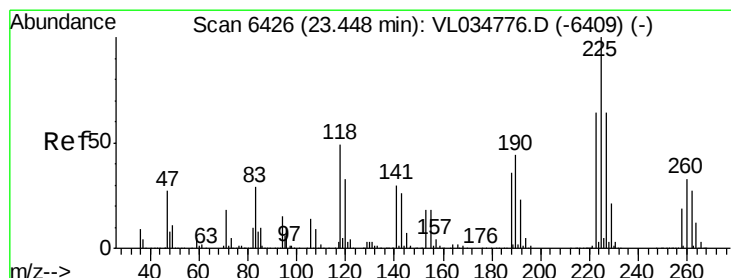
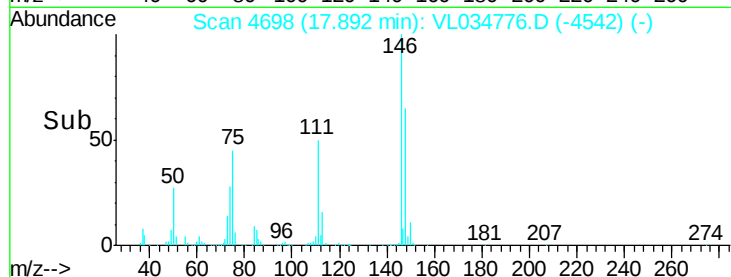
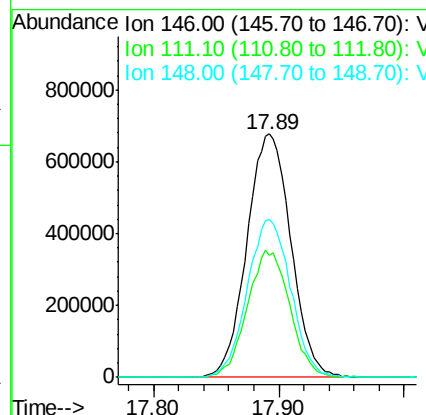
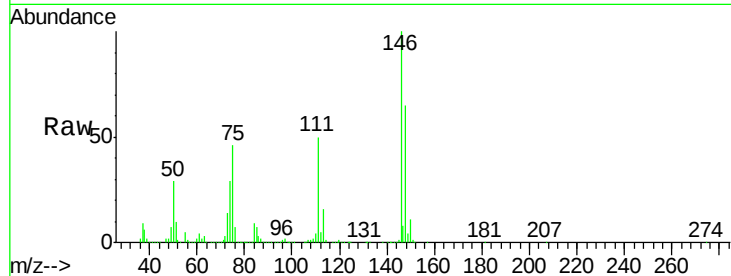
#77
 1,2-Dichlorobenzene
 Concen: 9.239 ppbv
 RT: 17.89 min Scan# 4698
 Delta R.T. 0.00 min
 Lab File: VL034776.D
 Acq: 4 Mar 2020 1:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	50.5	25.3	75.8
148	64.6	32.3	96.9

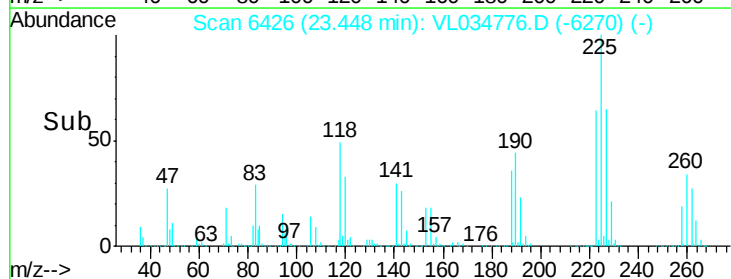
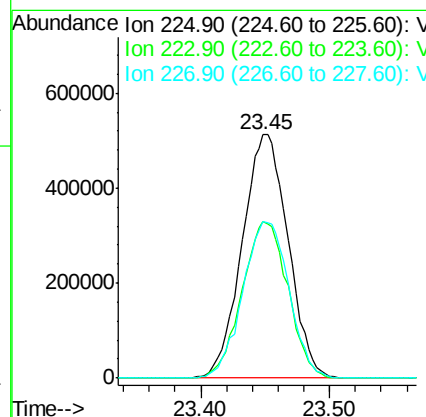
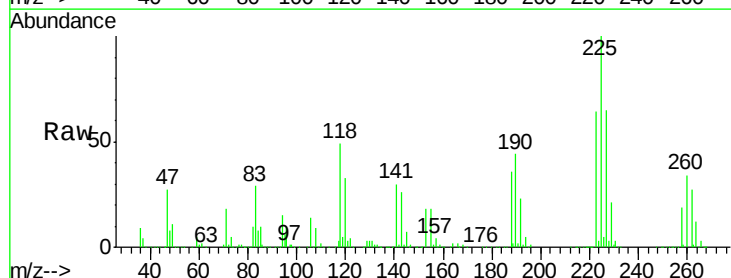
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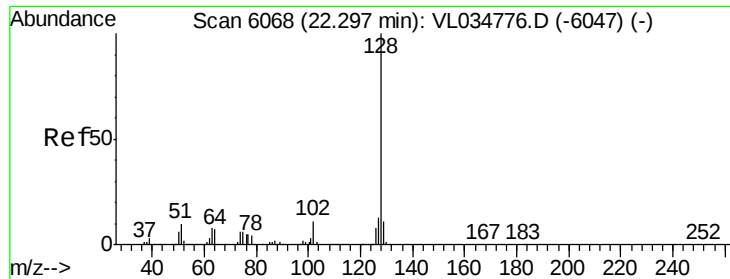
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#78
 Hexachloro-1,3-Butadiene
 Concen: 8.296 ppbv
 RT: 23.45 min Scan# 6426
 Delta R.T. 0.00 min
 Lab File: VL034776.D
 Acq: 4 Mar 2020 1:23

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.1	51.3	76.9
227	64.9	51.9	77.9





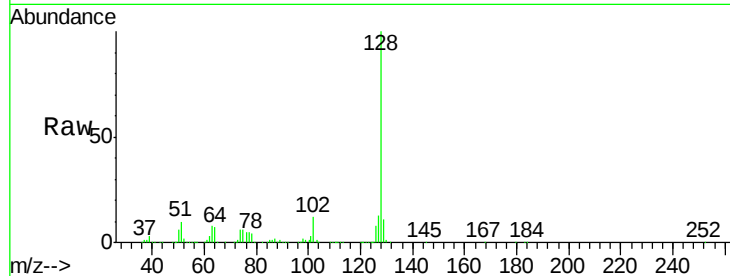
#79
Naphthalene
Concen: 10.116 ppbv
RT: 22.30 min Scan# 6068
Delta R.T. 0.00 min
Lab File: VL034776.D
Acq: 4 Mar 2020 1:23

Instrument :
MSVOA_L
ClientSampled :
VSTDICCC010

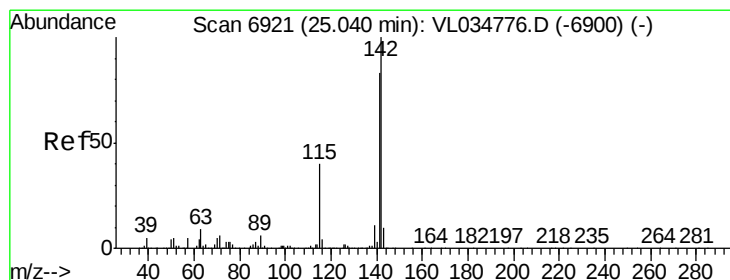
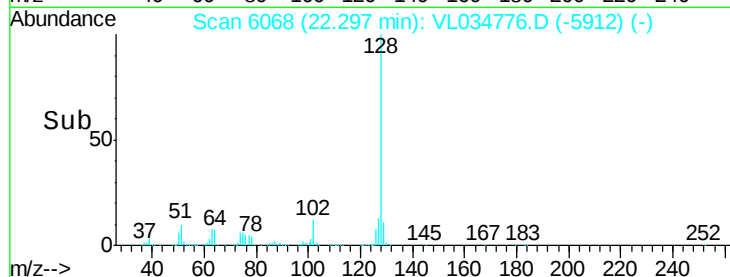
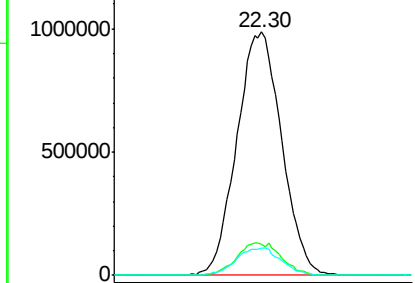
Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	11.3	9.0	13.6

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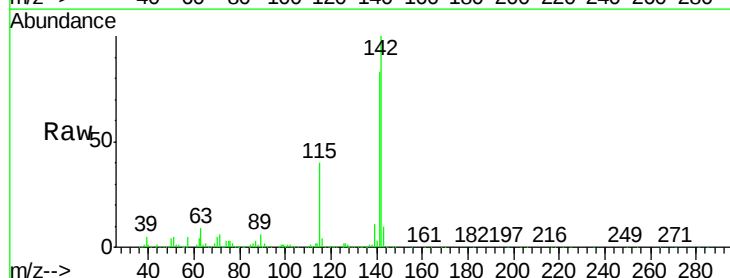


Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V

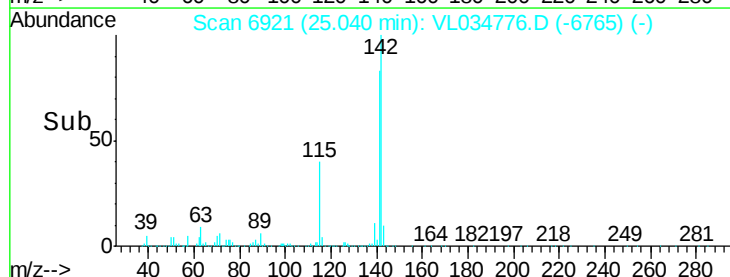
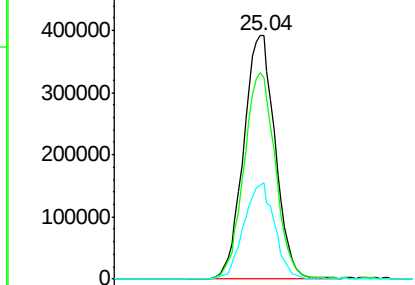


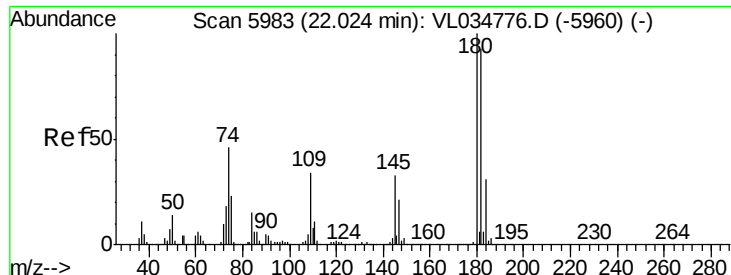
#80
Naphthalene, 2-methyl-
Concen: 8.970 ppbv
RT: 25.04 min Scan# 6921
Delta R.T. 0.00 min
Lab File: VL034776.D
Acq: 4 Mar 2020 1:23

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.6	67.7	101.5
115	38.4	30.7	46.1



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: 9.715 ppbv
 RT: 22.02 min Scan# 5983
 Delta R.T. 0.00 min
 Lab File: VL034776.D
 Acq: 4 Mar 2020 1:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.8	115.2
184	31.0	24.8	37.2

Manual Integrations
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