

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030420\
 Data File : VL034785.D
 Acq On : 4 Mar 2020 7:52
 Operator : SY/AP
 Sample : VL0304ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0304ABS01

Manual Integrations
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 3/4/2020 4:45:37 PM

Quant Time: Mar 04 14:38:05 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 06:36:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1041541	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2174317	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.13	117	2381193	10.00	ppbv	-0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.46	95	1898403	9.56	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.02	85	1307133	7.690	ppbv	99
3) Chlorodifluoromethane	2.96	51	1047932	8.831	ppbv	98
4) Chloromethane	3.11	50	574741	8.992	ppbv	97
5) Vinyl Chloride	3.23	62	568748	8.423	ppbv	99
6) Bromomethane	3.45	94	345356	9.372	ppbv	98
7) Chloroethane	3.53	64	217165	9.302	ppbv	99
8) Dichlorotetrafluoroethane	3.16	85	1341689	9.086	ppbv	99
9) Propene	2.98	41	414230	8.869	ppbv	100
10) Heptane	8.14	43	1177519	9.920	ppbv	99
11) Trichlorofluoromethane	3.93	101	1413819	9.296	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.47	101	959092	9.139	ppbv	98
13) Ethanol	3.58	45	119145	7.445	ppbv	98
14) Bromoethene	3.72	108	424855	9.866	ppbv	100
15) Acetone	3.83	43	1106544	8.872	ppbv	99
16) 1,3-Butadiene	3.30	39	545739	9.671	ppbv	100
17) tert-Butyl alcohol	4.28	59	945707	9.616	ppbv	99
18) 1,1-Dichloroethene	4.27	96	443433	9.581	ppbv	94
19) Isopropyl Alcohol	3.95	45	762684	10.206	ppbv #	98
20) Methylene Chloride	4.33	84	397831	8.937	ppbv	95
21) Allyl Chloride	4.40	41	777618	9.845	ppbv	99
22) trans-1,2-Dichloroethene	4.88	96	440286	9.745	ppbv	99
23) Vinyl Acetate	5.07	43	1646516	9.845	ppbv	98
24) 1,1-Dichloroethane	5.01	63	1187414	9.147	ppbv	100
25) Ethyl Acetate	5.68	43	2018068	9.363	ppbv	99
26) Hexane	5.69	57	893182	9.486	ppbv	98
27) Carbon Disulfide	4.54	76	1183016	10.755	ppbv	100
28) Methyl tert-Butyl Ether	5.03	73	1282244	9.149	ppbv	100
29) Chloroform	5.76	83	1463240	9.232	ppbv	98
30) Cyclohexane	7.15	84	733389	10.181	ppbv	99
31) cis-1,2-Dichloroethene	5.55	61	953105	9.869	ppbv	96
32) 1,1,1-Trichloroethane	6.52	97	1397353	8.922	ppbv	98
34) 2-Butanone	5.24	43	1330486	9.406	ppbv	100
35) Carbon Tetrachloride	7.03	117	1481868	9.032	ppbv	100
36) Benzene	6.91	78	1770407	9.529	ppbv	99
37) 1,2-Dichloroethane	6.32	62	1225142	9.654	ppbv	99
38) Trichloroethene	7.86	130	682994	9.432	ppbv	96
39) 1,2-Dichloropropane	7.64	63	716826	9.560	ppbv	95
40) 1,4-Dioxane	7.85	88	279799	10.789	ppbv #	91
41) Tetrahydrofuran	6.05	42	715803	9.918	ppbv	100
42) Bromodichloromethane	7.82	83	1593015	9.921	ppbv	97
43) Methyl Methacrylate	8.04	69	800313	10.165	ppbv	99

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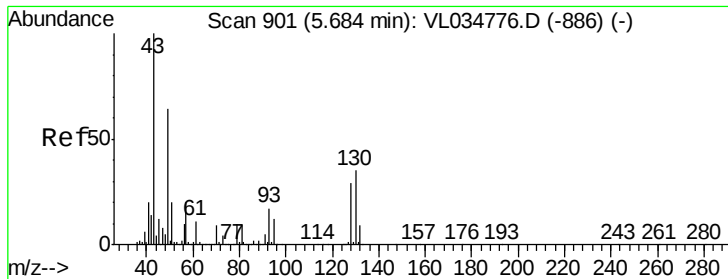
Manual Integrations
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Quant Time: Mar 04 14:38:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030420AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 04
 QLast Update : Wed Mar 04 06:36:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	3131095	9.643	ppbv	100
45) t-1,3-Dichloropropene	9.31	75	972752	11.769	ppbv	99
46) cis-1,3-Dichloropropene	8.73	75	1135692	11.253	ppbv	99
47) 1,1,2-Trichloroethane	9.51	97	746352	9.428	ppbv	90
48) Dibromochloromethane	10.35	129	1297079	10.478	ppbv	100
49) Bromoform	13.09	173	1155801	10.700	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	1991919	9.828	ppbv	100
51) 2-Hexanone	10.16	43	1714343	10.782	ppbv #	99
52) Tetrachloroethene	11.27	164	636007	9.265	ppbv	96
53) Toluene	9.84	91	2040007	10.374	ppbv	100
54) 1,2-Dibromoethane	10.65	107	1157459	9.888	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.17	131	907184	8.598	ppbv #	60
57) Chlorobenzene	12.19	112	1566608m	8.613	ppbv	
58) Ethyl Benzene	12.75	91	2797164	9.532	ppbv	97
59) m/p-Xylene	13.04	91	4769960m	18.778	ppbv	
60) o-Xylene	13.74	91	2326302	9.051	ppbv	100
61) Styrene	13.57	104	1642659	10.303	ppbv	99
62) Isopropylbenzene	14.71	105	3258337	8.614	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.73	83	1699722	8.389	ppbv	99
64) n-propylbenzene	15.62	120	842843	8.887	ppbv	96
65) tert-Butylbenzene	16.80	119	2837592m	8.877	ppbv	
66) Benzyl Chloride	17.04	91	1363798	13.196	ppbv	99
67) sec-Butylbenzene	17.35	105	4071748	8.741	ppbv	99
69) p-Isopropyltoluene	17.71	119	3355471	8.901	ppbv	99
70) n-Butylbenzene	18.60	91	3640385	8.832	ppbv	99
71) 2-Chlorotoluene	15.51	91	2587049	9.055	ppbv	99
72) 4-Ethyltoluene	15.89	105	2712111	9.478	ppbv	99
73) 1,3,5-Trimethylbenzene	16.05	105	2569622	9.362	ppbv	100
74) 1,2,4-Trimethylbenzene	16.82	105	2668648	8.943	ppbv	96
75) 1,3-Dichlorobenzene	17.05	146	1516579	8.586	ppbv	99
76) 1,4-Dichlorobenzene	17.20	146	1520134	8.994	ppbv	99
77) 1,2-Dichlorobenzene	17.88	146	1485758	8.793	ppbv	99
78) Hexachloro-1,3-Butadiene	23.44	225	1173312	8.320	ppbv	99
79) Naphthalene	22.27	128	2520295	11.239	ppbv	98
80) Naphthalene, 2-methyl-	25.02	142	564978	10.549	ppbv	99
81) 1,2,4-Trichlorobenzene	22.00	180	1367174	9.645	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 898

Delta R.T. -0.01 min

Lab File: VL034785.D

Acq: 4 Mar 2020 7:52

Instrument :

MSVOA_L

ClientSampleId :

VL0304ABS01

Tot Ion: 49 Resp: 1041541

Ion Ratio Lower Upper

49 100

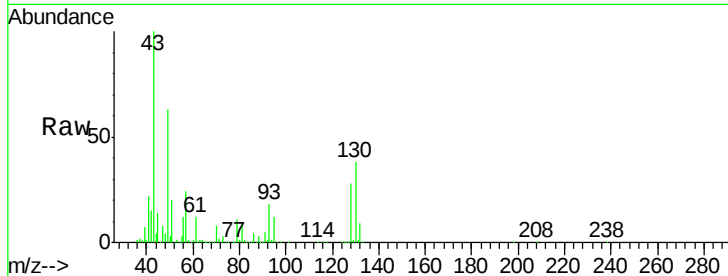
128 43.4 21.6 64.6

130 56.1 27.4 82.2

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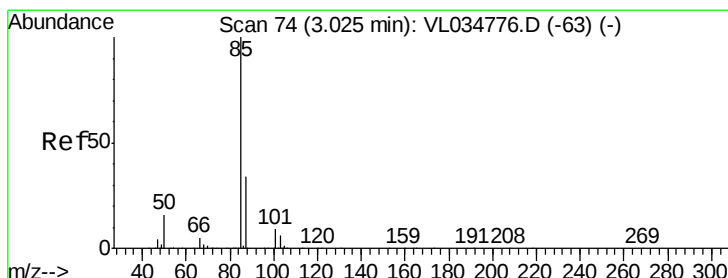
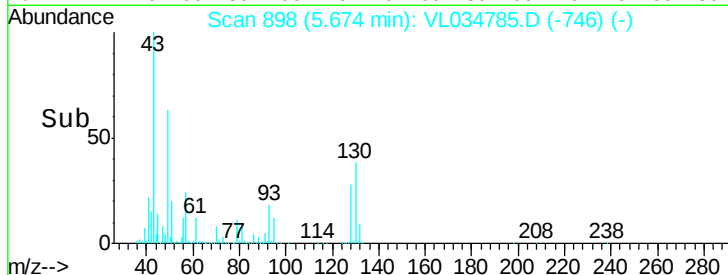
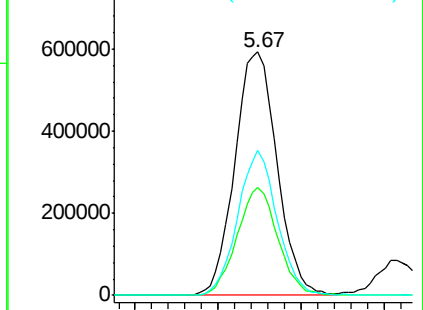
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 7.690 ppbv

RT: 3.02 min Scan# 72

Delta R.T. -0.01 min

Lab File: VL034785.D

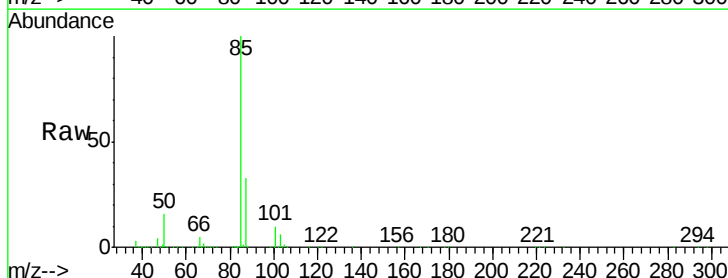
Acq: 4 Mar 2020 7:52

Tgt Ion: 85 Resp: 1307133

Ion Ratio Lower Upper

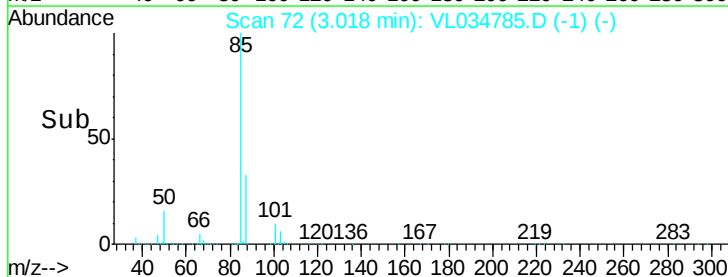
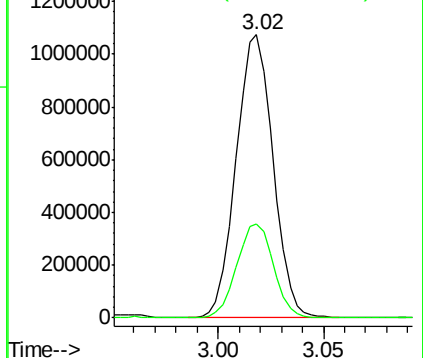
85 100

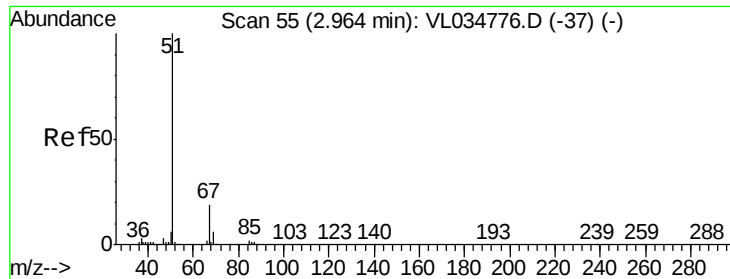
87 33.2 27.2 40.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 8.831 ppbv

RT: 2.96 min Scan# 53

Delta R.T. -0.01 min

Lab File: VL034785.D

Acq: 4 Mar 2020 7:52

Instrument :

MSVOA_L

ClientSampleId :

VL0304ABS01

Tot Ion: 51 Resp: 1047932

Ion Ratio Lower Upper

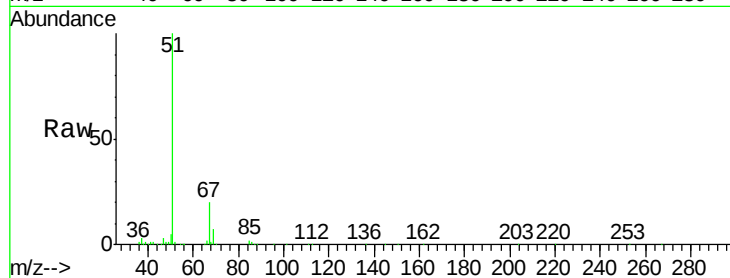
51 100

67 20.2 15.3 22.9

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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

1000000

800000

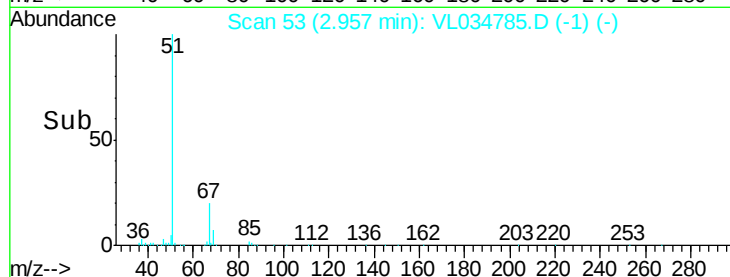
600000

400000

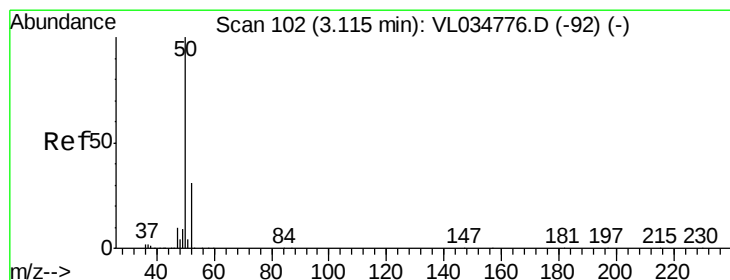
200000

0

Time-->



Time-->



#4

Chloromethane

Concen: 8.992 ppbv

RT: 3.11 min Scan# 100

Delta R.T. -0.01 min

Lab File: VL034785.D

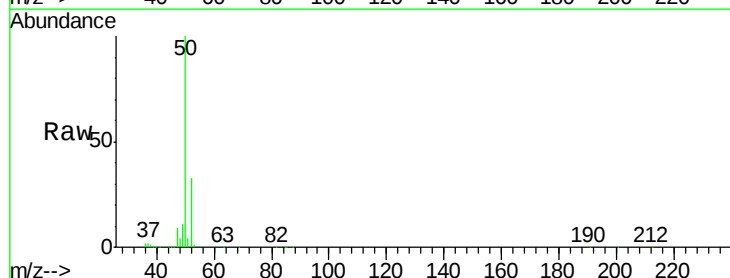
Acq: 4 Mar 2020 7:52

Tgt Ion: 50 Resp: 574741

Ion Ratio Lower Upper

50 100

52 33.0 25.0 37.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

500000

400000

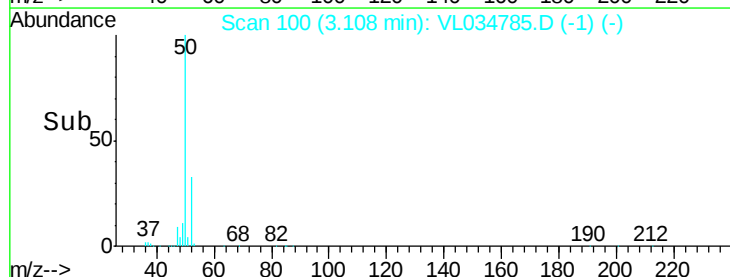
300000

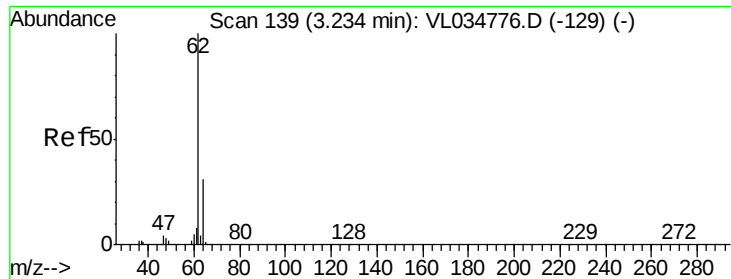
200000

100000

0

Time-->





#5

Vinyl Chloride

Concen: 8.423 ppbv

RT: 3.23 min Scan# 137

Delta R.T. -0.01 min

Lab File: VL034785.D

Acq: 4 Mar 2020 7:52

Instrument :

MSVOA_L

ClientSampleId :

VL0304ABS01

Tot Ion: 62 Resp: 568748

Ion Ratio Lower Upper

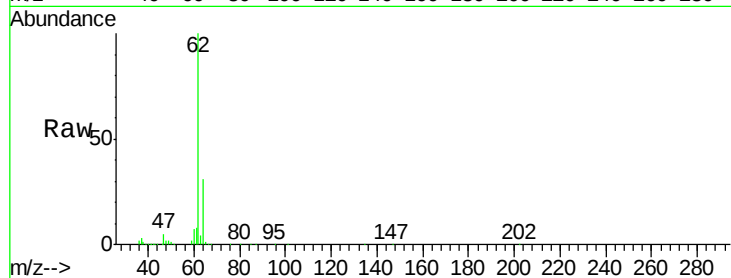
62 100

64 30.6 25.1 37.7

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.23

400000

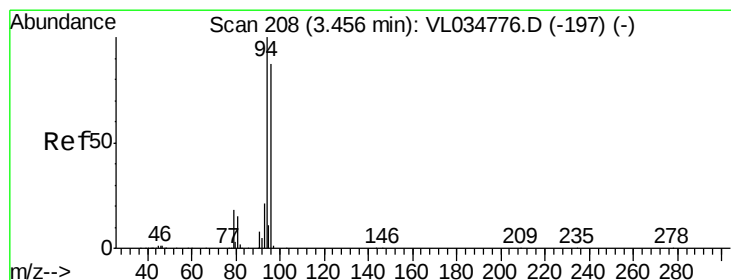
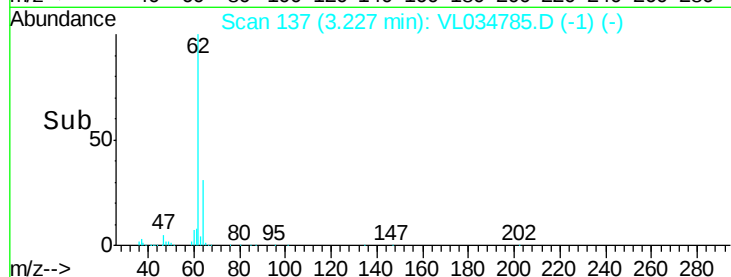
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 9.372 ppbv

RT: 3.45 min Scan# 205

Delta R.T. -0.01 min

Lab File: VL034785.D

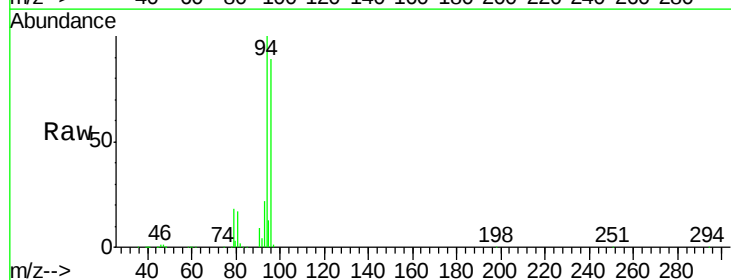
Acq: 4 Mar 2020 7:52

Tgt Ion: 94 Resp: 345356

Ion Ratio Lower Upper

94 100

96 89.2 70.0 105.0



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.45

250000

200000

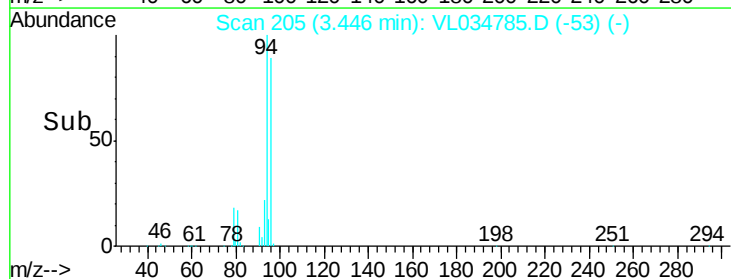
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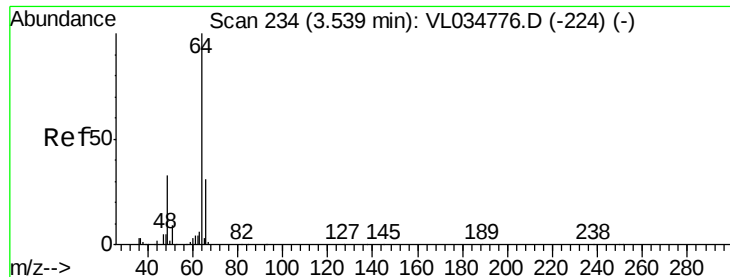
100000

50000

0

Time-->





#7

Chloroethane

Concen: 9.302 ppbv

RT: 3.53 min Scan# 232

Delta R.T. -0.01 min

Lab File: VL034785.D

Acq: 4 Mar 2020 7:52

Instrument :

MSVOA_L

ClientSampleId :

VL0304ABS01

Tot Ion: 64 Resp: 217165

Ion Ratio Lower Upper

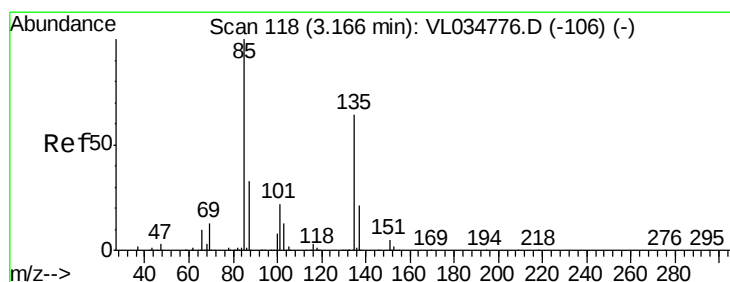
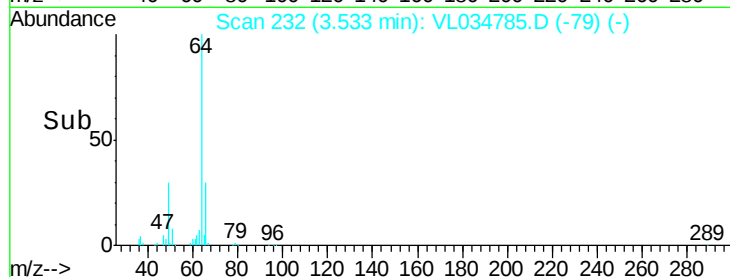
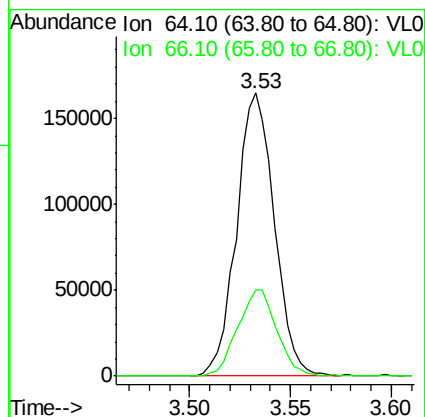
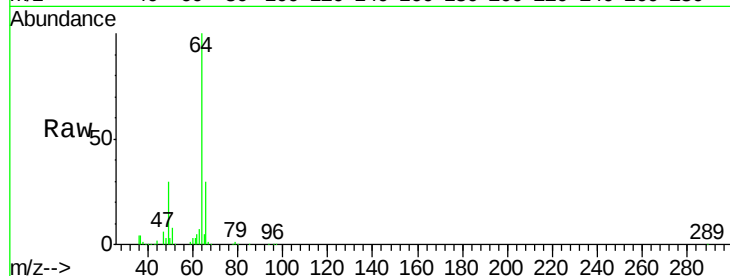
64 100

66 30.4 24.8 37.2

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#8

Dichlorotetrafluoroethane

Concen: 9.086 ppbv

RT: 3.16 min Scan# 116

Delta R.T. -0.01 min

Lab File: VL034785.D

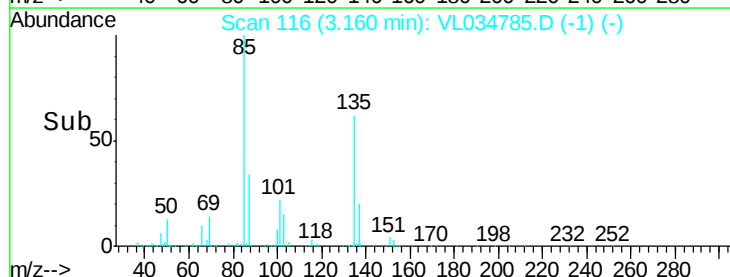
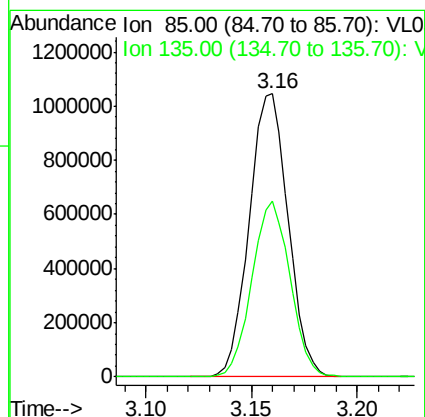
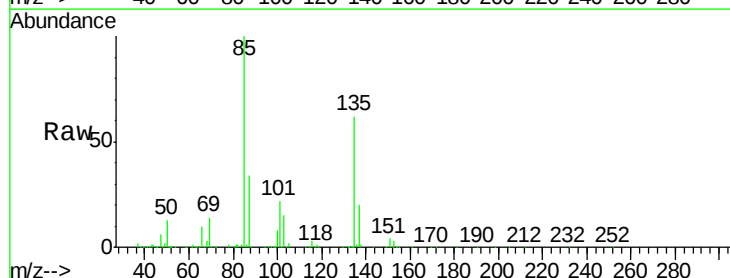
Acq: 4 Mar 2020 7:52

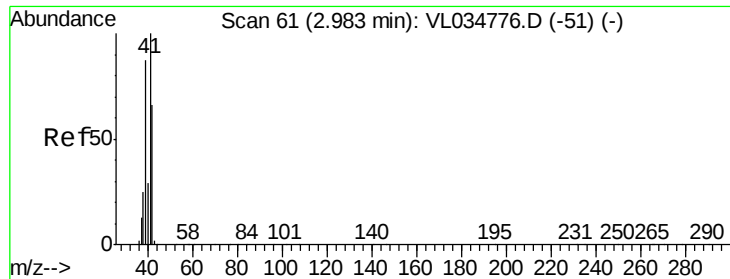
Tgt Ion: 85 Resp: 1341689

Ion Ratio Lower Upper

85 100

135 61.0 49.4 74.2





#9

Propene

Concen: 8.869 ppbv

RT: 2.98 min Scan# 60

Delta R.T. -0.00 min

Lab File: VL034785.D

Acq: 4 Mar 2020 7:52

Instrument :

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ClientSampleId :

VL0304ABS01

Tot Ion: 41 Resp: 414230

Ion Ratio Lower Upper

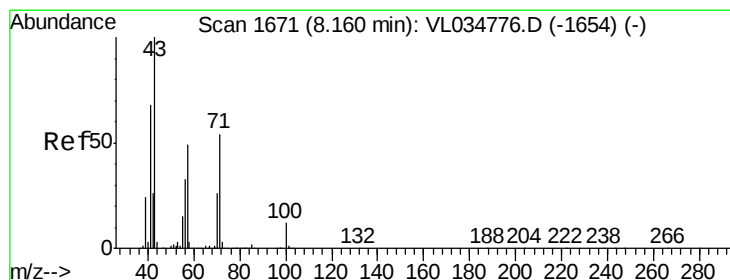
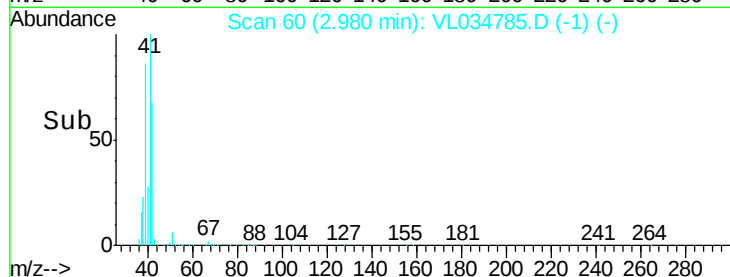
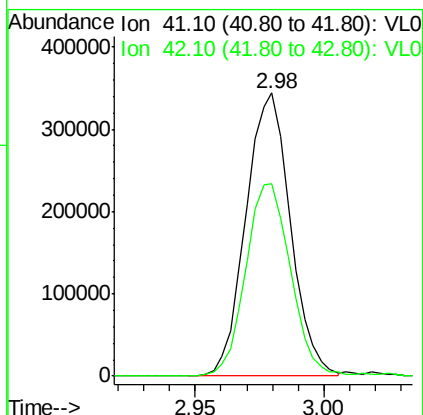
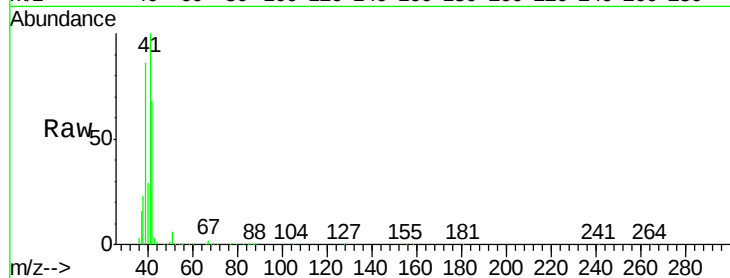
41 100

42 69.6 55.6 83.4

Manual Integrations
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#10

Heptane

Concen: 9.920 ppbv

RT: 8.14 min Scan# 1666

Delta R.T. -0.02 min

Lab File: VL034785.D

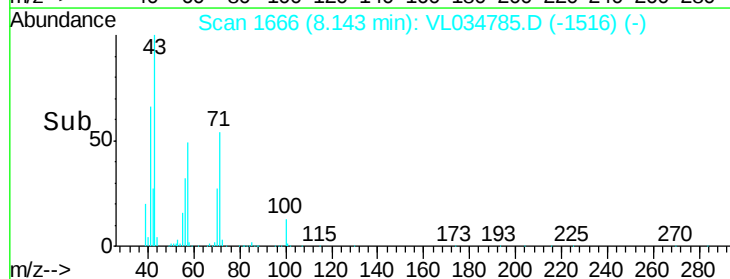
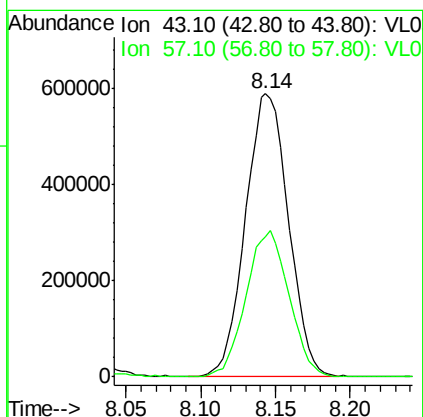
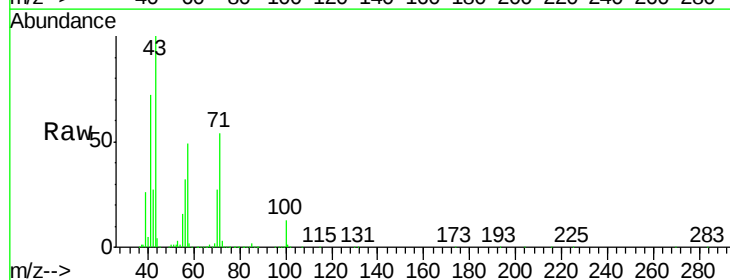
Acq: 4 Mar 2020 7:52

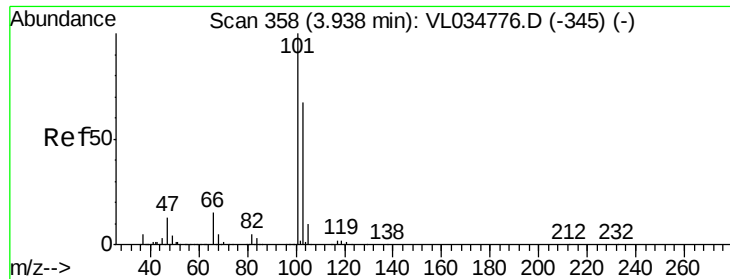
Tgt Ion: 43 Resp: 1177519

Ion Ratio Lower Upper

43 100

57 51.5 40.5 60.7





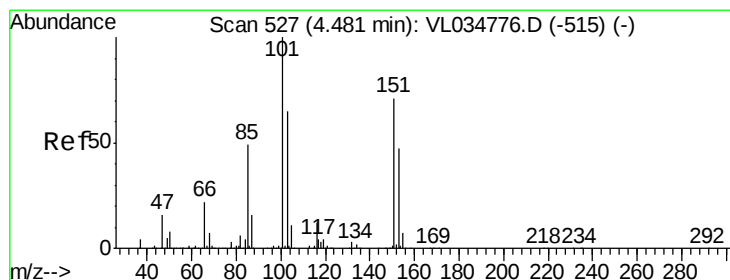
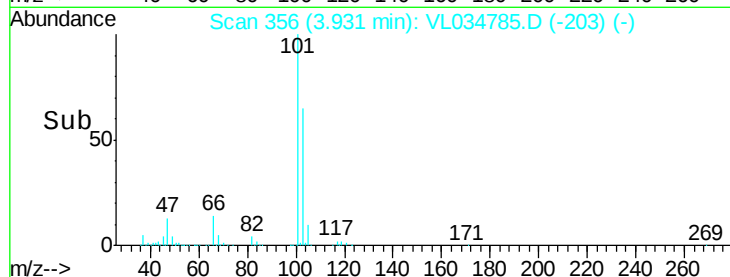
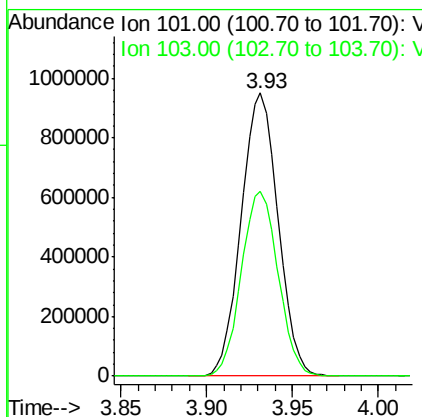
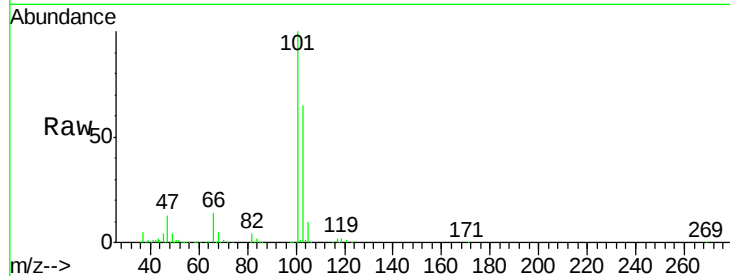
#11
 Trichlorofluoromethane
 Concen: 9.296 ppbv
 RT: 3.93 min Scan# 356
 Delta R.T. -0.01 min
 Lab File: VL034785.D
 Acq: 4 Mar 2020 7:52

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0304ABS01

Tot Ion:101 Resp: 1413819
 Ion Ratio Lower Upper
 101 100
 103 65.5 53.6 80.4

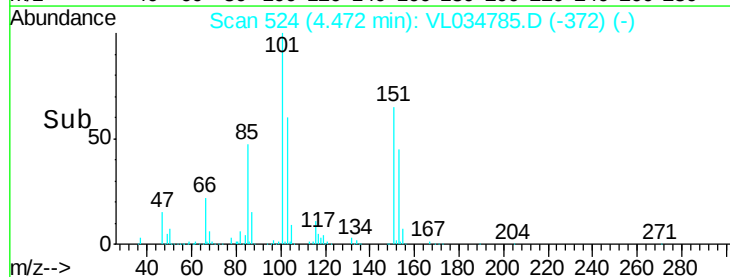
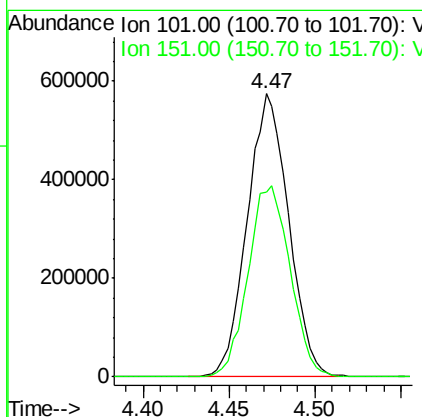
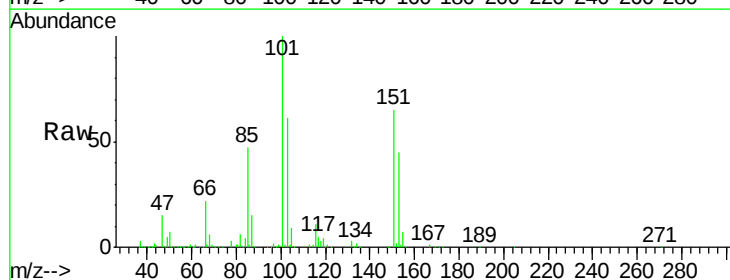
Manual Integrations
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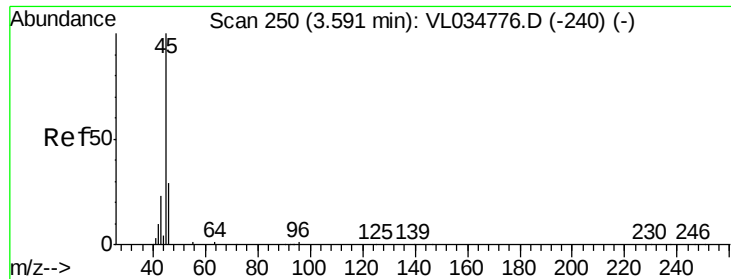
apatel
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.139 ppbv
 RT: 4.47 min Scan# 524
 Delta R.T. -0.01 min
 Lab File: VL034785.D
 Acq: 4 Mar 2020 7:52

Tgt Ion:101 Resp: 959092
 Ion Ratio Lower Upper
 101 100
 151 68.8 56.6 85.0





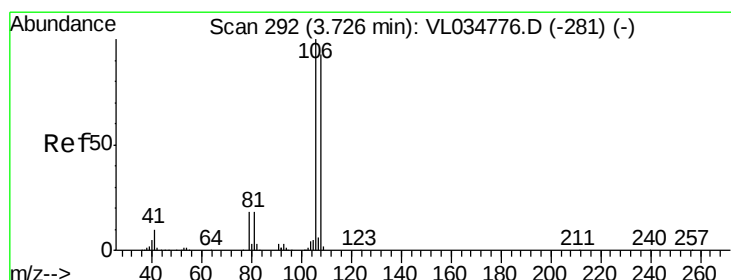
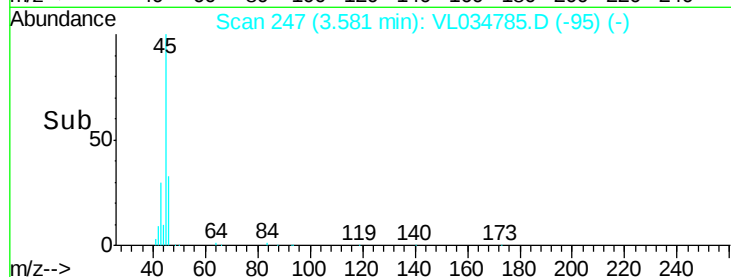
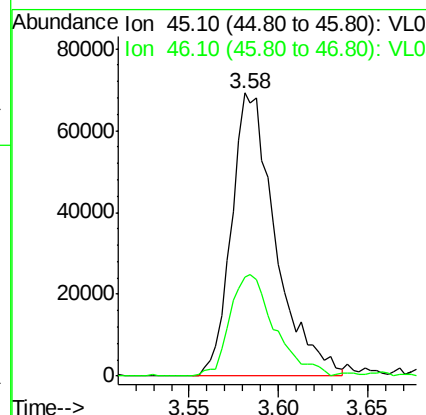
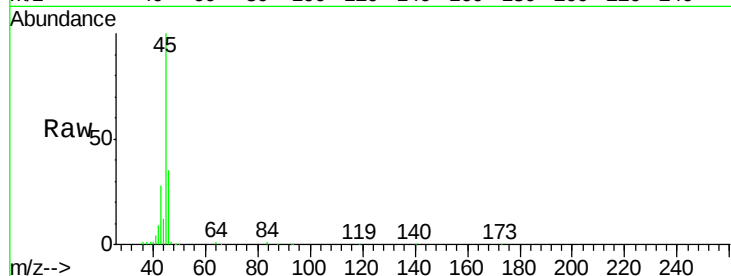
#13
Ethanol
Concen: 7.445 ppbv
RT: 3.58 min Scan# 247
Delta R.T. -0.01 min
Lab File: VL034785.D
Acq: 4 Mar 2020 7:52

Instrument :
MSVOA_L
ClientSampleId :
VL0304ABS01

Tot Ion	Ratio	Lower	Upper
45	100		
46	38.1	14.7	58.9

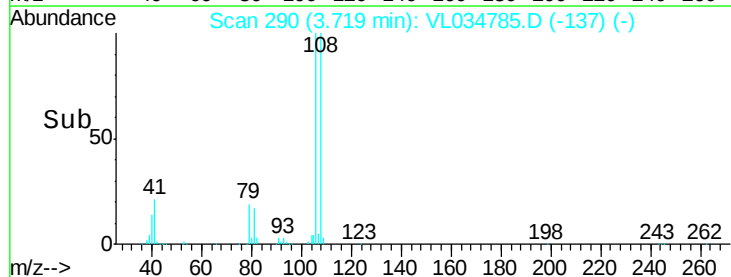
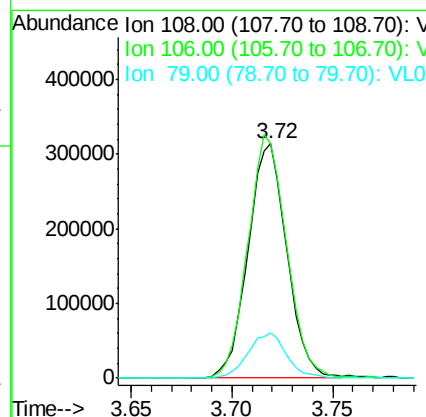
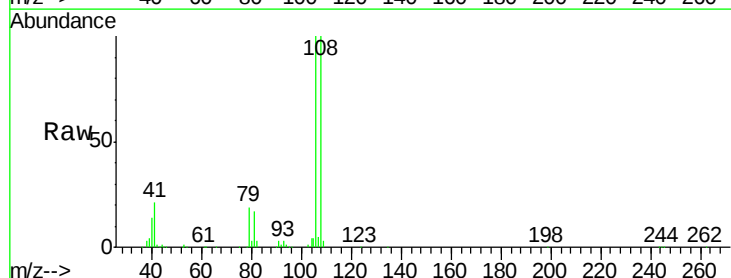
Manual Integrations
APPROVED

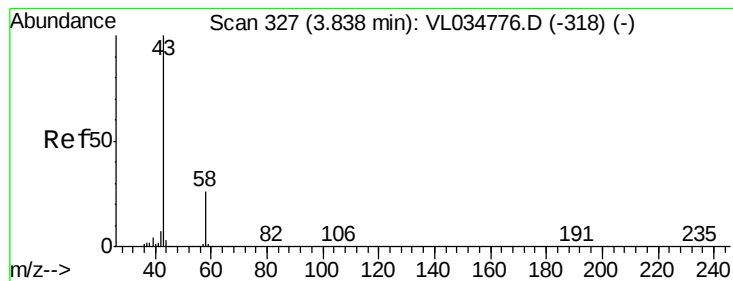
apatel
3/4/2020 4:45:37 PM



#14
Bromoethene
Concen: 9.866 ppbv
RT: 3.72 min Scan# 290
Delta R.T. -0.01 min
Lab File: VL034785.D
Acq: 4 Mar 2020 7:52

Tgt Ion	Ratio	Lower	Upper
108	100		
106	104.2	83.5	125.3
79	19.5	15.6	23.4





#15

Acetone

Concen: 8.872 ppbv

RT: 3.83 min Scan# 324

Delta R.T. -0.01 min

Lab File: VL034785.D

Acq: 4 Mar 2020 7:52

Instrument :

MSVOA_L

ClientSampleId :

VL0304ABS01

Tot Ion: 43 Resp: 1106544

Ion Ratio Lower Upper

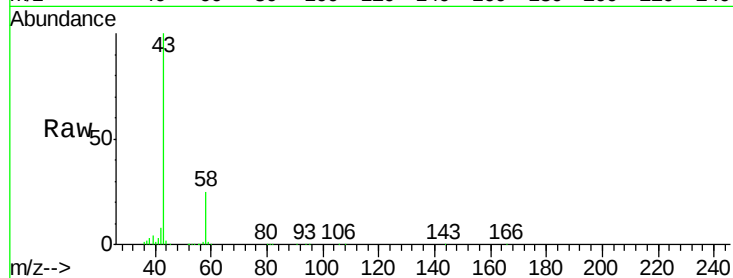
43 100

58 26.0 21.0 31.6

Manual Integrations
APPROVED

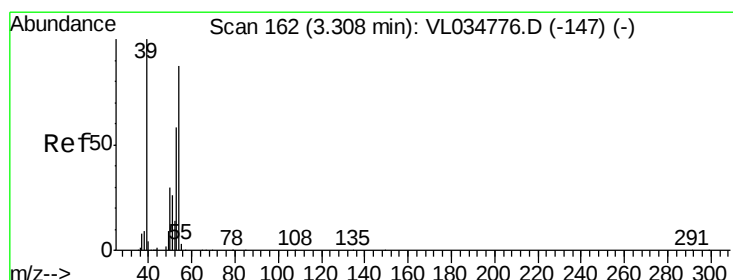
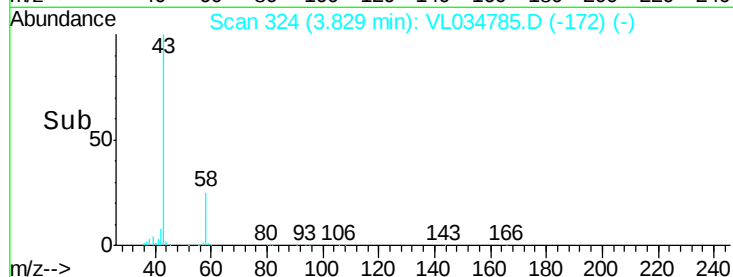
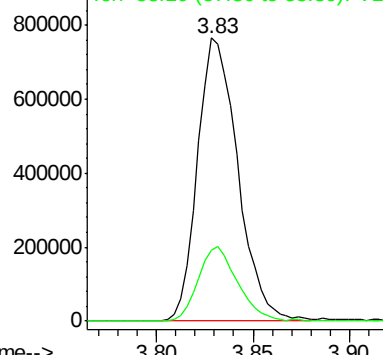
apatel

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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 9.671 ppbv

RT: 3.30 min Scan# 159

Delta R.T. -0.01 min

Lab File: VL034785.D

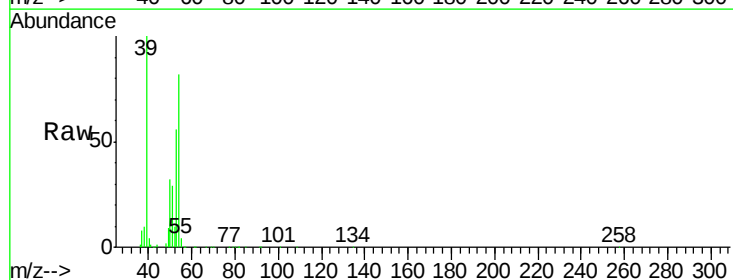
Acq: 4 Mar 2020 7:52

Tgt Ion: 39 Resp: 545739

Ion Ratio Lower Upper

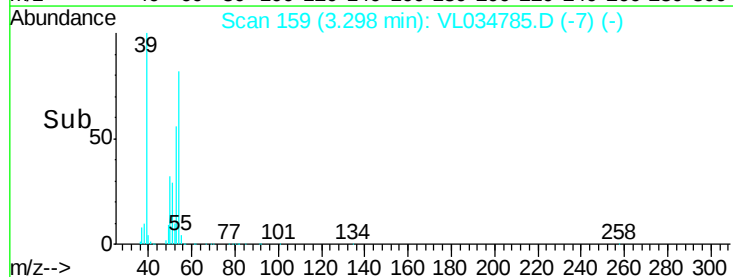
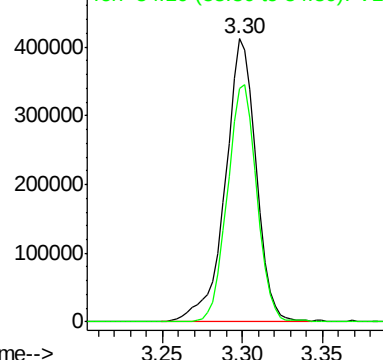
39 100

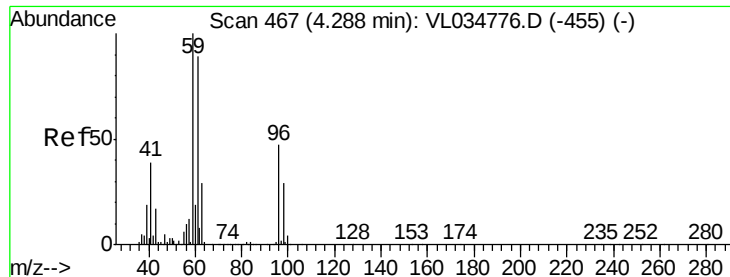
54 79.9 64.2 96.2



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

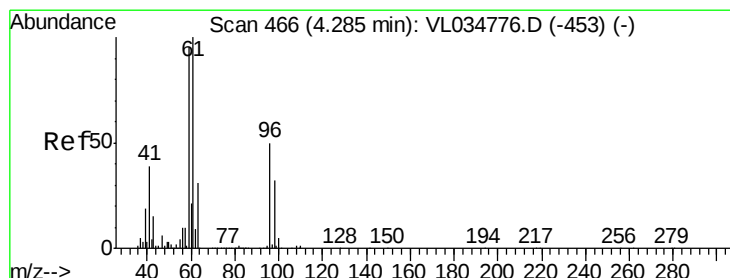
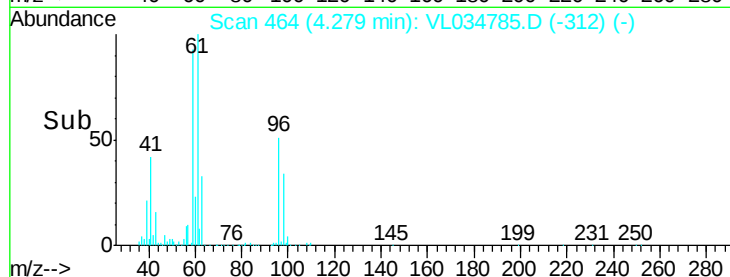
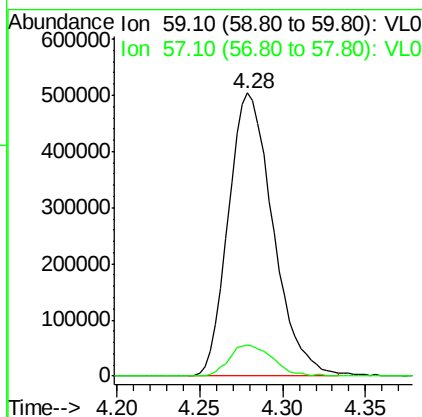
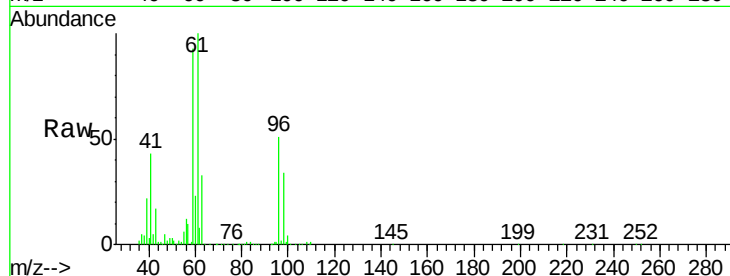
tert-Butyl alcohol
Concen: 9.616 ppbv
RT: 4.28 min Scan# 464
Delta R.T. -0.01 min
Lab File: VL034785.D
Acq: 4 Mar 2020 7:52

Instrument :
MSVOA_L
ClientSampleId :
VL0304ABS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.1	8.6	13.0

Manual Integrations
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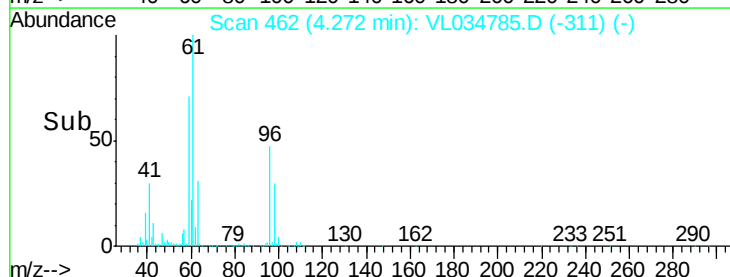
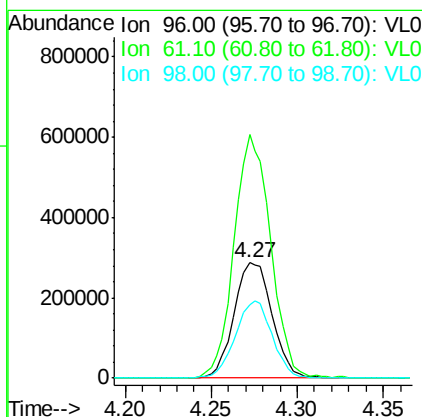
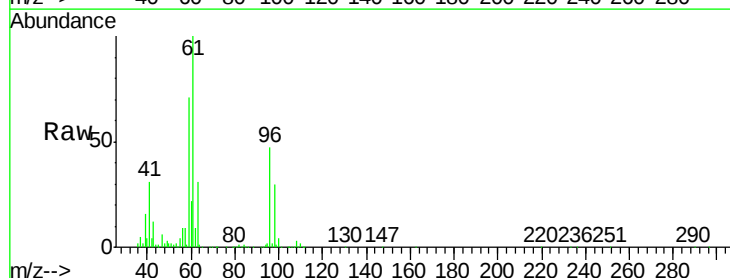
apatel
3/4/2020 4:45:37 PM

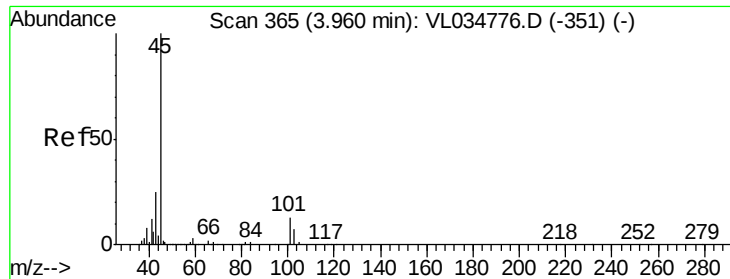


#18

1,1-Dichloroethene
Concen: 9.581 ppbv
RT: 4.27 min Scan# 462
Delta R.T. -0.01 min
Lab File: VL034785.D
Acq: 4 Mar 2020 7:52

Tgt Ion	Ratio	Lower	Upper
96	100		
61	211.7	159.5	239.3
98	63.4	51.1	76.7





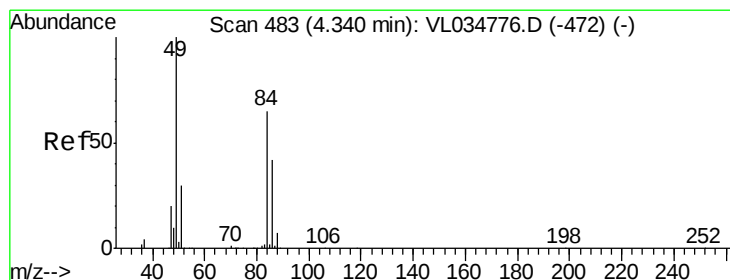
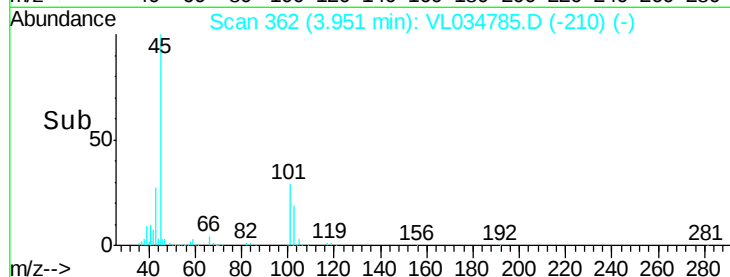
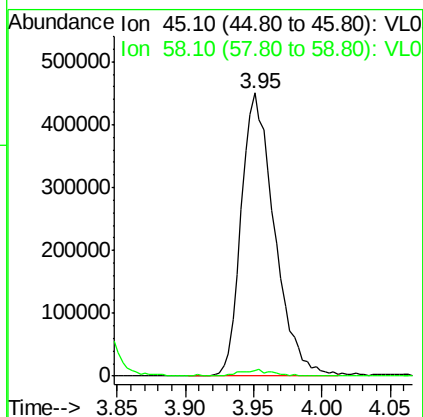
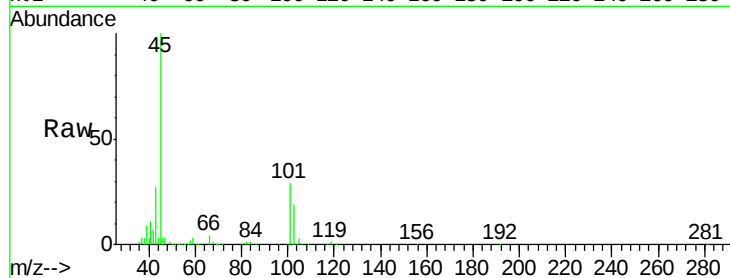
#19
Isopropyl Alcohol
Concen: 10.206 ppbv
RT: 3.95 min Scan# 362
Delta R.T. -0.01 min
Lab File: VL034785.D
Acq: 4 Mar 2020 7:52

Instrument :
MSVOA_L
ClientSampleId :
VL0304ABS01

Tot Ion	Ratio	Lower	Upper
45	100		
58	2.8	1.8	2.8#

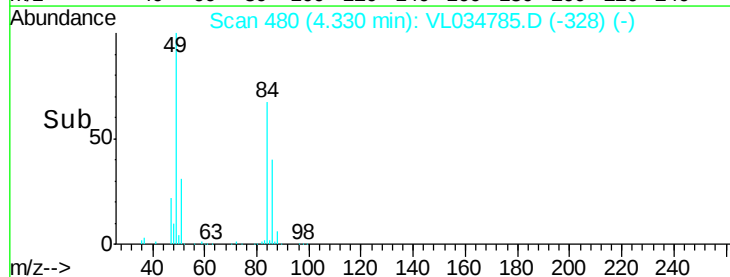
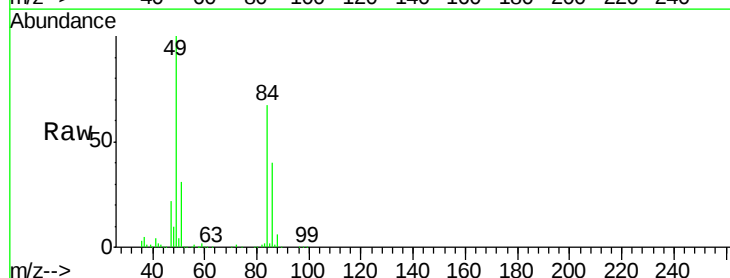
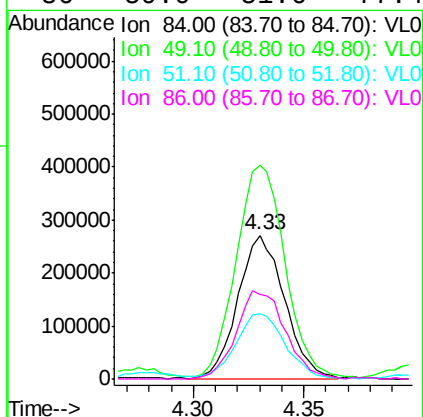
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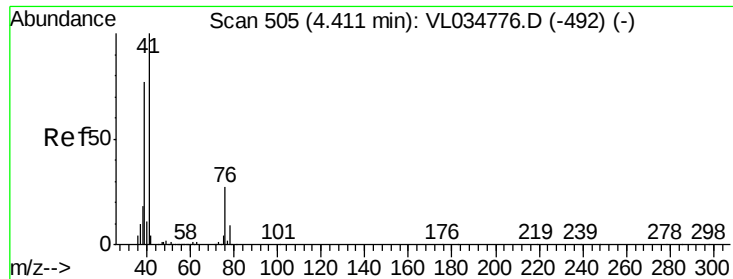
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#20
Methylene Chloride
Concen: 8.937 ppbv
RT: 4.33 min Scan# 480
Delta R.T. -0.01 min
Lab File: VL034785.D
Acq: 4 Mar 2020 7:52

Tgt Ion	Ratio	Lower	Upper
84	100		
49	147.5	123.2	184.8
51	44.6	37.4	56.2
86	59.0	51.6	77.4





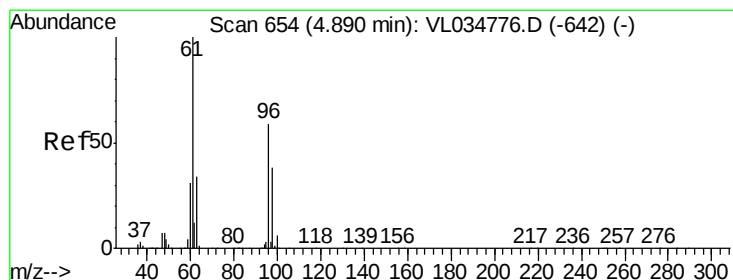
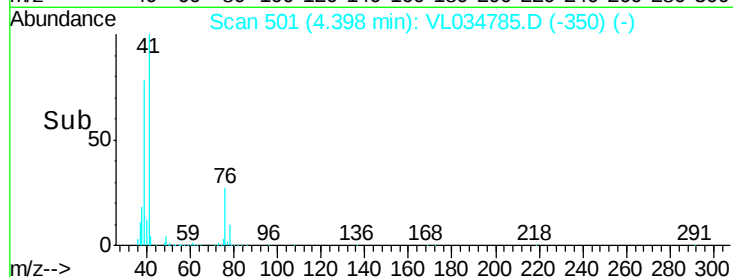
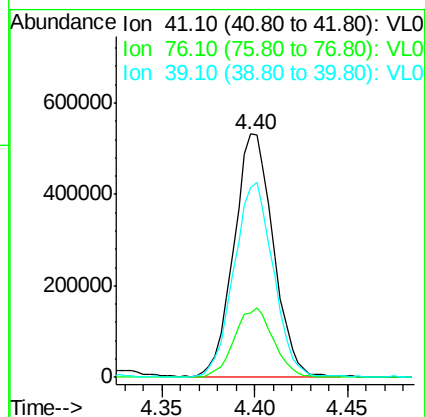
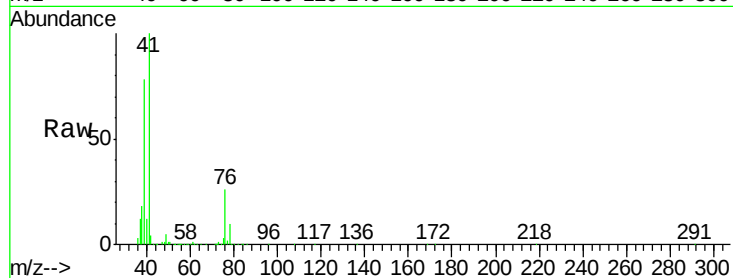
#21
Allvl Chloride
Concen: 9.845 ppbv
RT: 4.40 min Scan# 501
Delta R.T. -0.01 min
Lab File: VL034785.D
Acq: 4 Mar 2020 7:52

Instrument :
MSVOA_L
ClientSampleId :
VL0304ABS01

Tot Ion	Ratio	Lower	Upper
41	100		
76	28.7	22.5	33.7
39	80.8	65.0	97.6

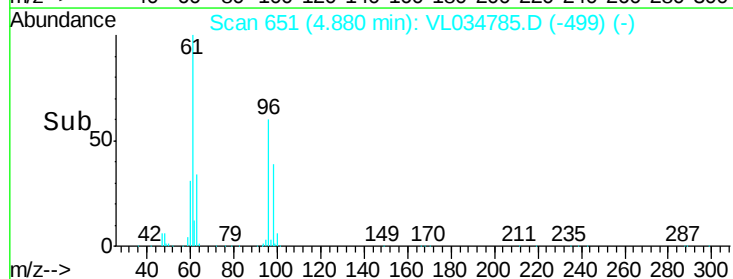
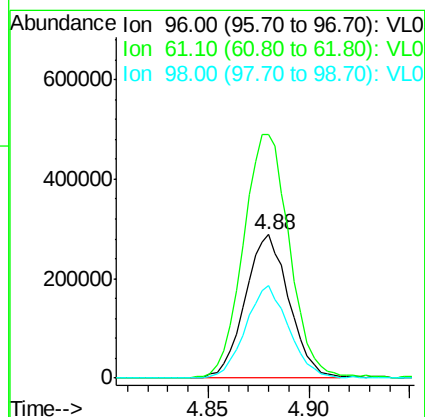
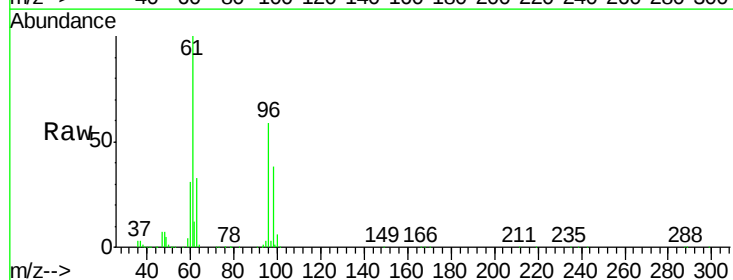
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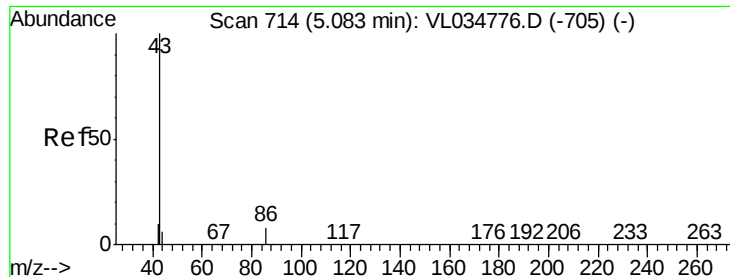
apatel
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#22
trans-1,2-Dichloroethene
Concen: 9.745 ppbv
RT: 4.88 min Scan# 651
Delta R.T. -0.01 min
Lab File: VL034785.D
Acq: 4 Mar 2020 7:52

Tgt Ion	Ratio	Lower	Upper
96	100		
61	169.6	135.2	202.8
98	64.9	50.8	76.2





#23

Vinyl Acetate

Concen: 9.845 ppbv

RT: 5.07 min Scan# 710

Delta R.T. -0.01 min

Lab File: VL034785.D

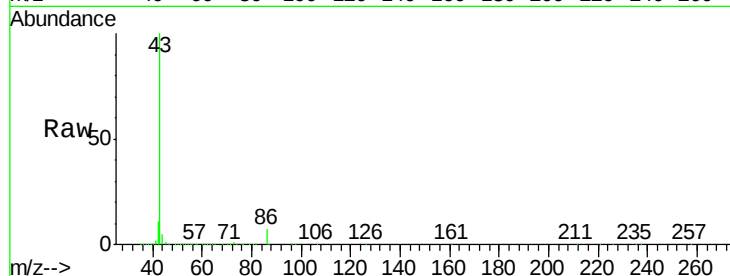
Acq: 4 Mar 2020 7:52

Tot Ion:	43	Resp:	1646516
Ion	Ratio	Lower	Upper
43	100		
86	7.2	5.9	8.9
42	11.4	8.2	12.2
44	5.2	4.5	6.7

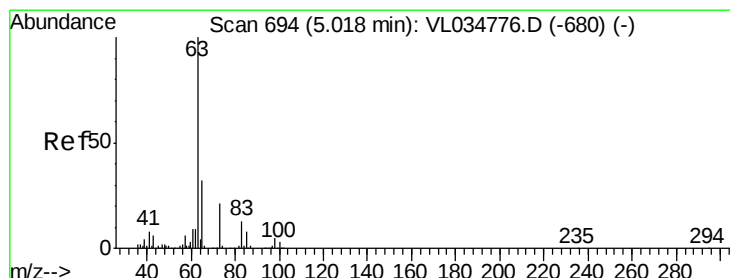
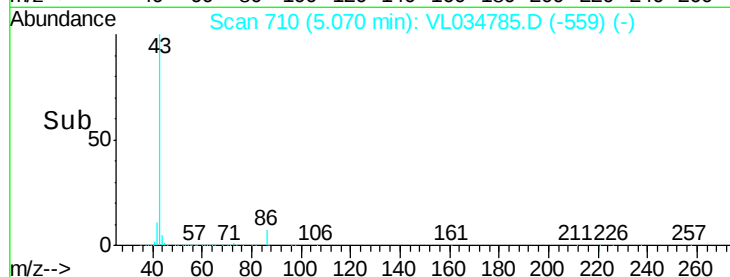
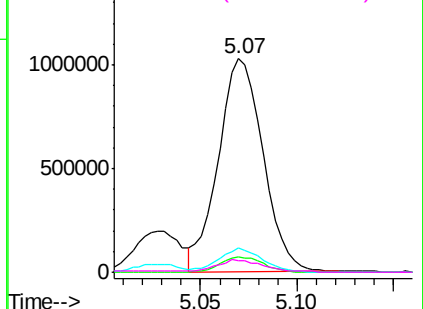
Instrument :
MSVOA_L
ClientSampleId :
VL0304ABS01

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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: 9.147 ppbv

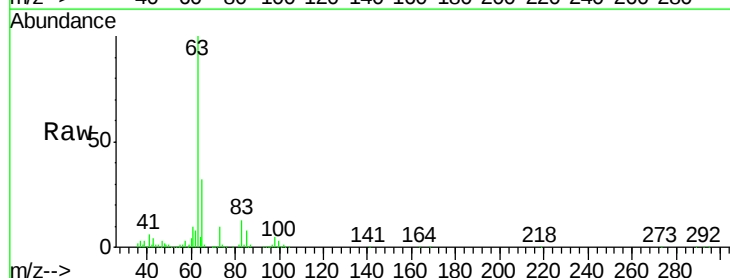
RT: 5.01 min Scan# 690

Delta R.T. -0.01 min

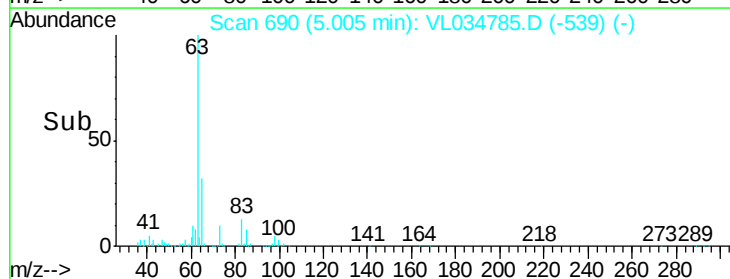
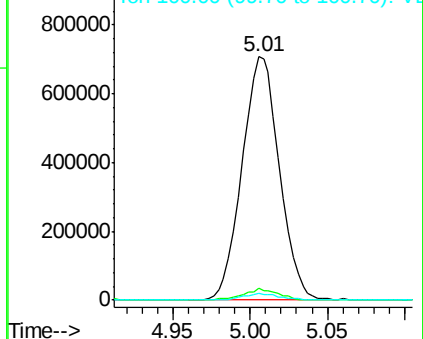
Lab File: VL034785.D

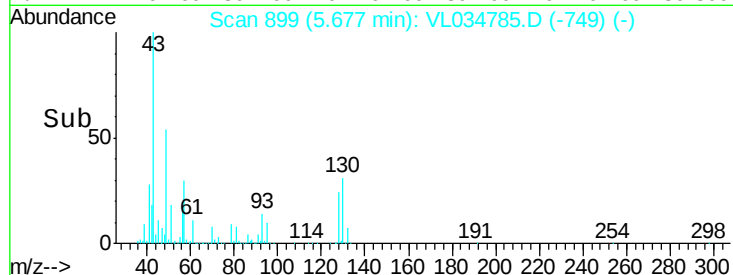
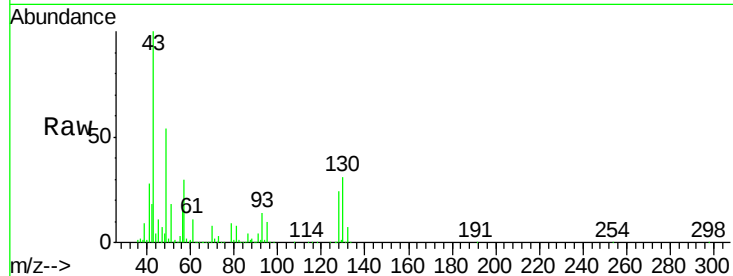
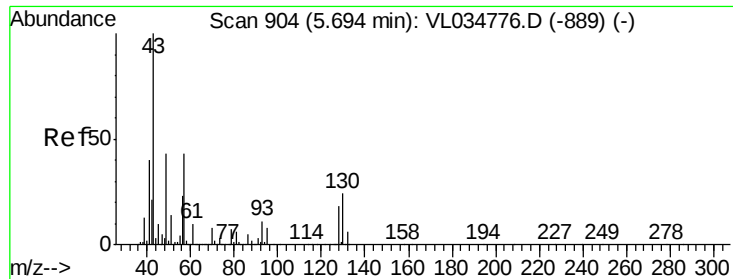
Acq: 4 Mar 2020 7:52

Tgt Ion:	63	Resp:	1187414
Ion	Ratio	Lower	Upper
63	100		
98	4.7	2.3	6.8
100	2.8	1.5	4.4



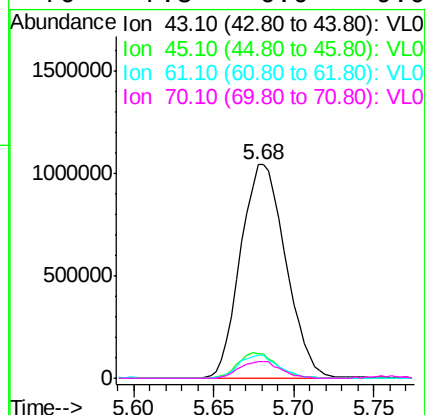
Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 98.00 (97.70 to 98.70): VL0
Ion 100.00 (99.70 to 100.70): VL0





#25
Ethyl Acetate
Concen: 9.363 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.02 min
Lab File: VL034785.D
Acq: 4 Mar 2020 7:52

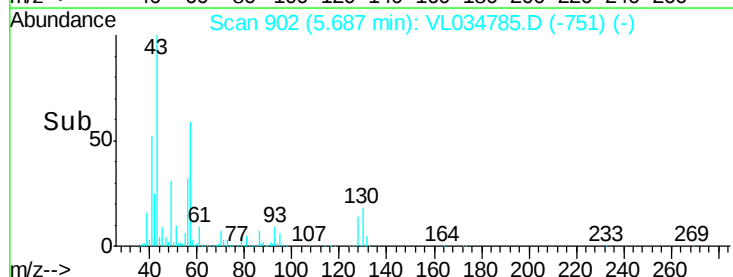
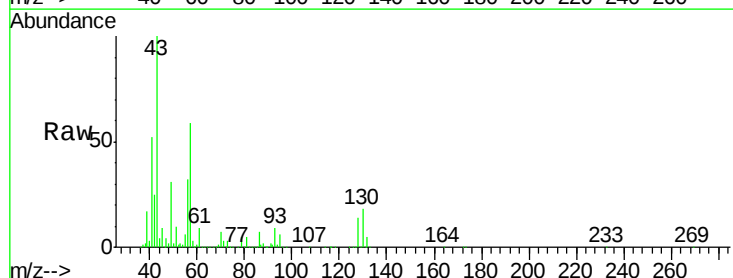
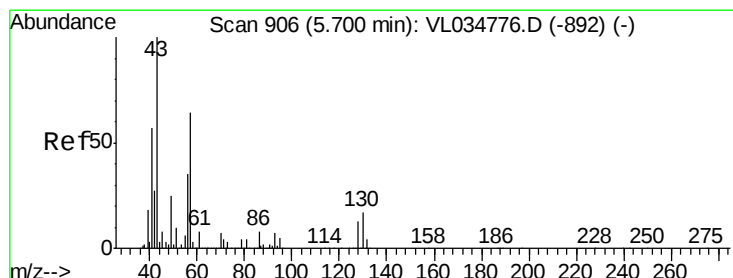
Tot Ion	43	Resp	2018068
Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.2	12.4
61	9.9	7.5	11.3
70	7.3	6.0	9.0



Instrument :
MSVOA_L
ClientSampleId :
VL0304ABS01

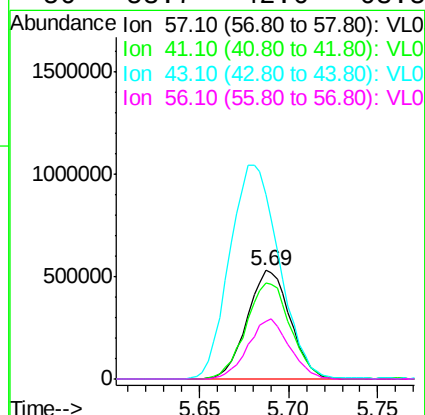
Manual Integrations
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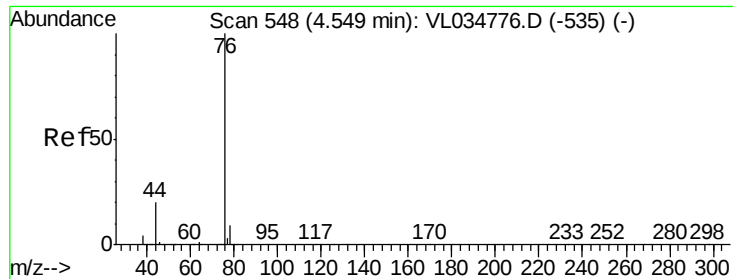
apatel
3/4/2020 4:45:37 PM



#26
Hexane
Concen: 9.486 ppbv
RT: 5.69 min Scan# 902
Delta R.T. -0.01 min
Lab File: VL034785.D
Acq: 4 Mar 2020 7:52

Tgt Ion	57	Resp	893182
Ion	Ratio	Lower	Upper
57	100		
41	92.3	72.0	108.0
43	227.4	179.1	268.7
56	53.7	42.6	63.8





#27

Carbon Disulfide

Concen: 10.755 ppbv

RT: 4.54 min Scan# 545

Delta R.T. -0.01 min

Lab File: VL034785.D

Acq: 4 Mar 2020 7:52

Instrument :

MSVOA_L

ClientSampleId :

VL0304ABS01

Tot Ion: 76 Resp: 1183016

Ion Ratio Lower Upper

76 100

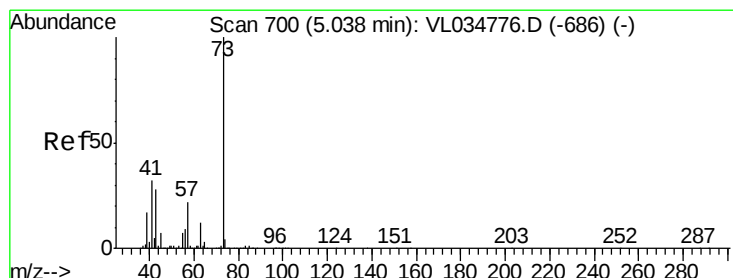
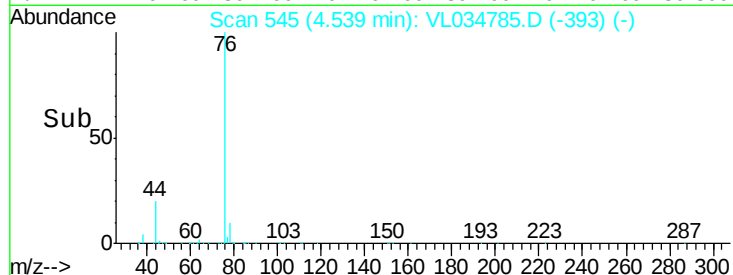
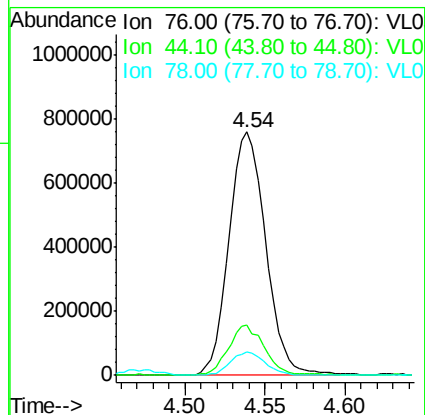
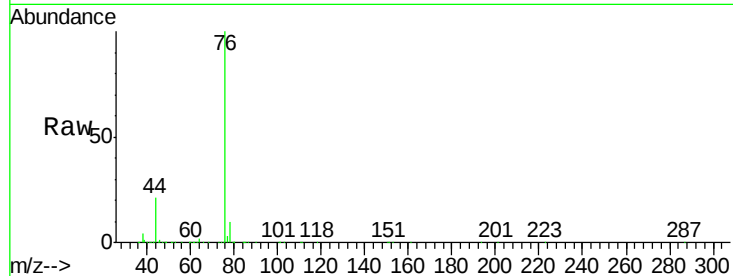
44 20.0 16.1 24.1

78 9.3 7.5 11.3

Manual Integrations
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apatel

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#28

Methyl tert-Butyl Ether

Concen: 9.149 ppbv

RT: 5.03 min Scan# 697

Delta R.T. -0.01 min

Lab File: VL034785.D

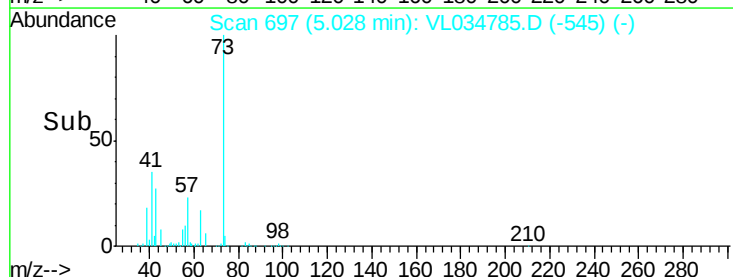
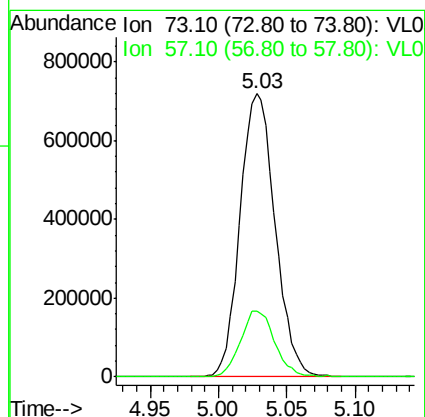
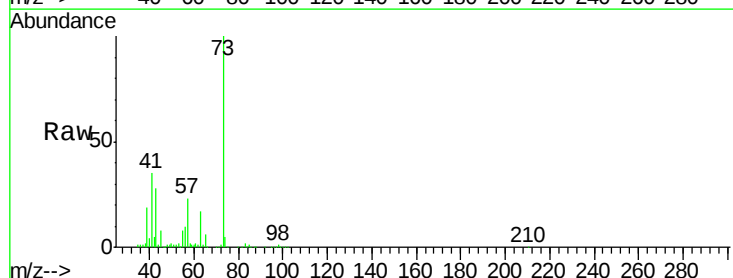
Acq: 4 Mar 2020 7:52

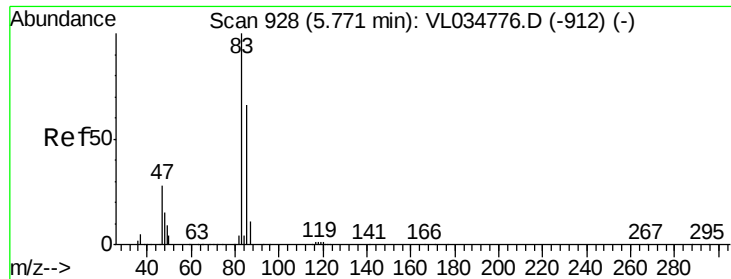
Tgt Ion: 73 Resp: 1282244

Ion Ratio Lower Upper

73 100

57 23.2 18.5 27.7





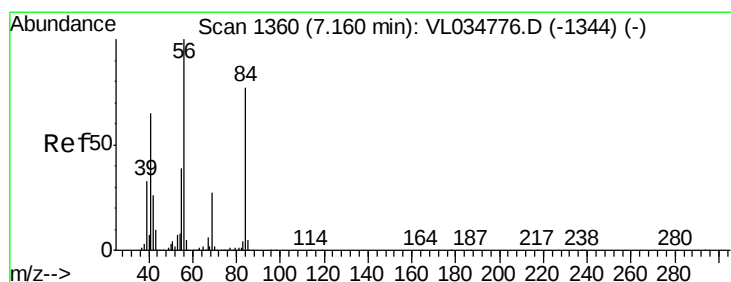
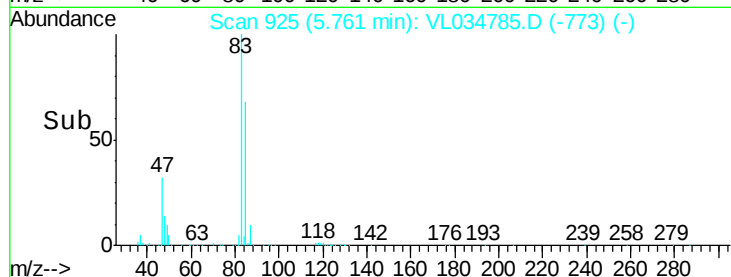
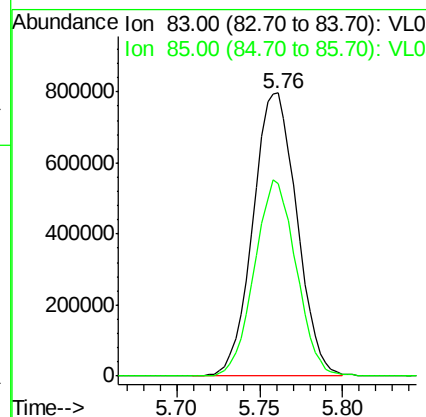
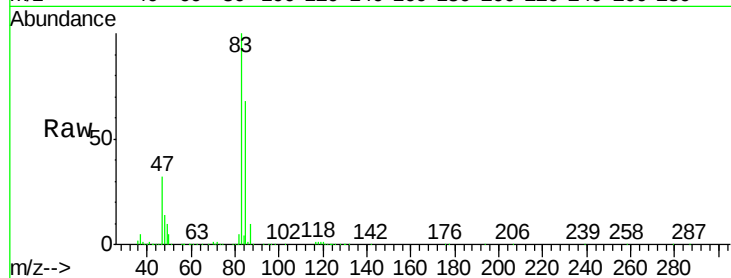
#29
Chloroform
Concen: 9.232 ppbv
RT: 5.76 min Scan# 925
Delta R.T. -0.01 min
Lab File: VL034785.D
Acq: 4 Mar 2020 7:52

Instrument :
MSVOA_L
ClientSampleId :
VL0304ABS01

Tot Ion: 83 Resp: 1463240
Ion Ratio Lower Upper
83 100
85 68.0 53.0 79.4

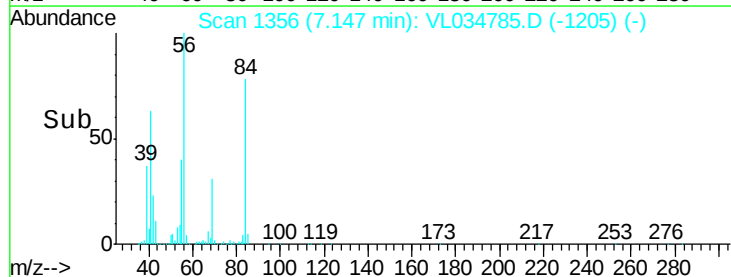
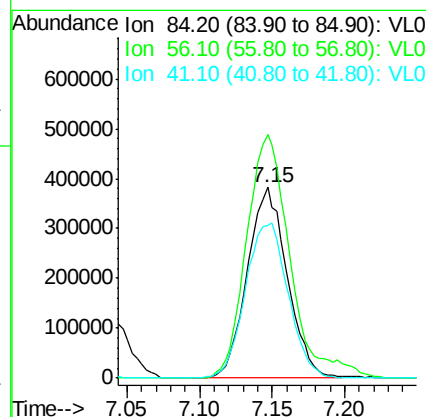
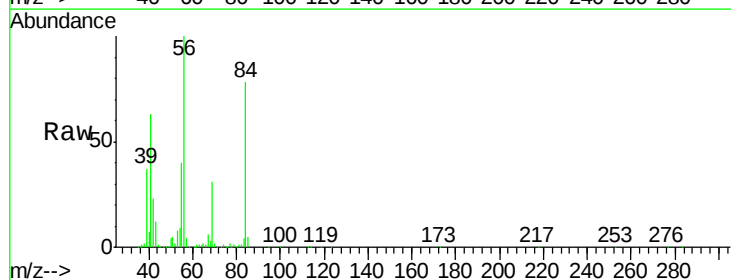
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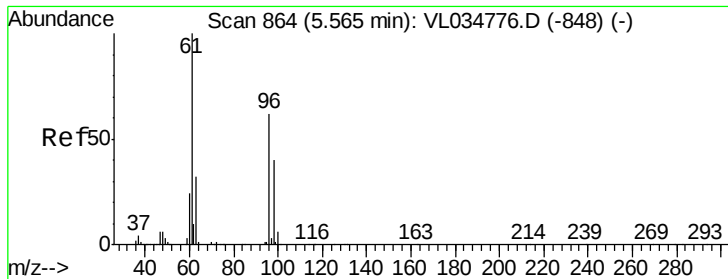
apatel
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#30
Cyclohexane
Concen: 10.181 ppbv
RT: 7.15 min Scan# 1356
Delta R.T. -0.01 min
Lab File: VL034785.D
Acq: 4 Mar 2020 7:52

Tgt Ion: 84 Resp: 733389
Ion Ratio Lower Upper
84 100
56 139.7 113.2 169.8
41 86.9 70.2 105.4





#31

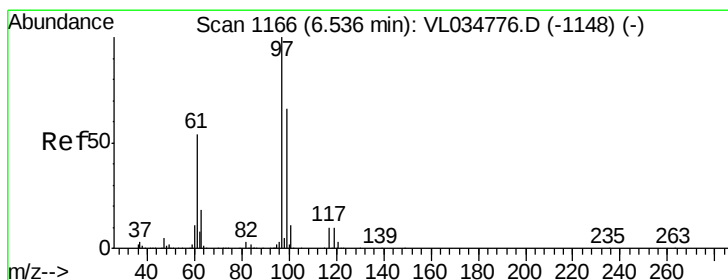
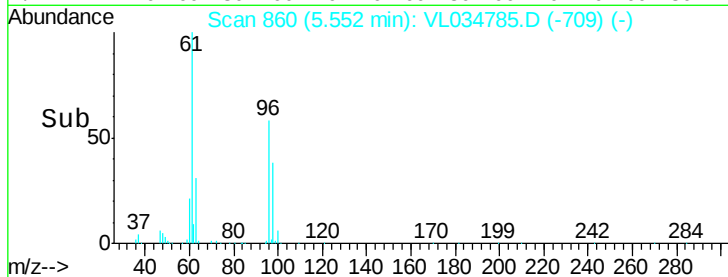
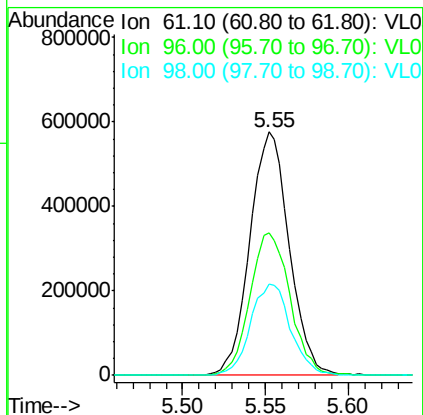
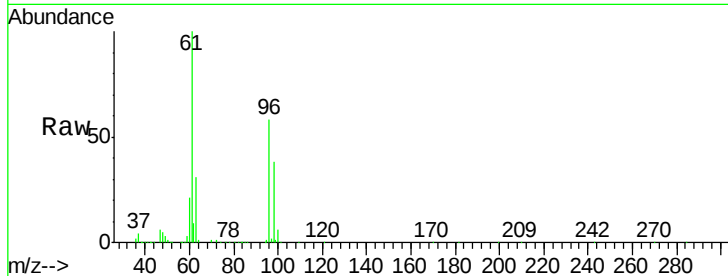
cis-1,2-Dichloroethene
Concen: 9.869 ppbv
RT: 5.55 min Scan# 860
Delta R.T. -0.01 min
Lab File: VL034785.D
Acq: 4 Mar 2020 7:52

Instrument :
MSVOA_L
ClientSampleId :
VL0304ABS01

Tot Ion:	61	Resp:	953105
Ion Ratio	Lower	Upper	
61	100		
96	58.3	49.7	74.5
98	37.8	31.9	47.9

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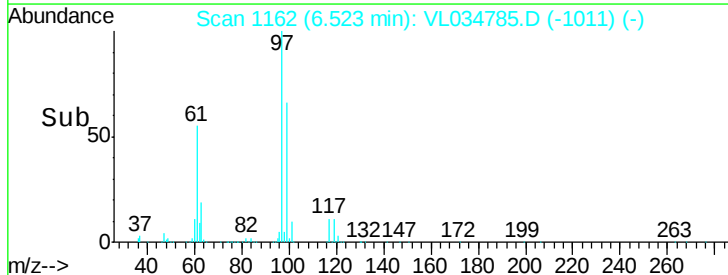
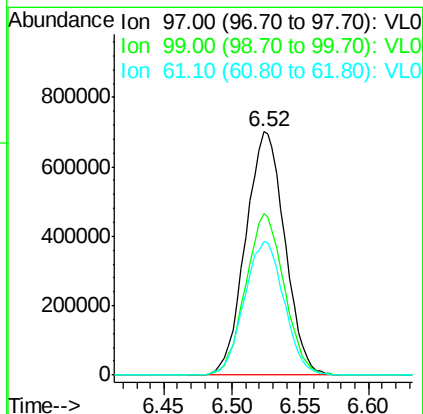
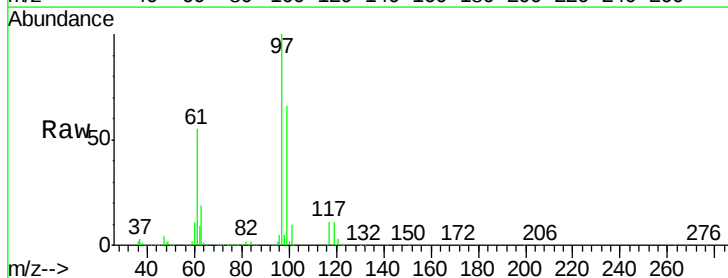
apatel
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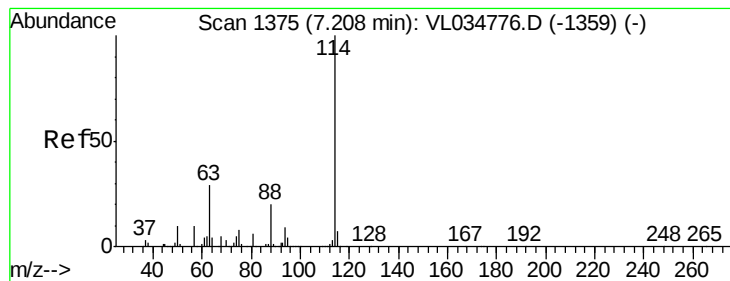


#32

1,1,1-Trichloroethane
Concen: 8.922 ppbv
RT: 6.52 min Scan# 1162
Delta R.T. -0.01 min
Lab File: VL034785.D
Acq: 4 Mar 2020 7:52

Tgt Ion:	97	Resp:	1397353
Ion Ratio	Lower	Upper	
97	100		
99	65.5	51.7	77.5
61	56.1	43.4	65.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19 min Scan# 1371

Delta R.T. -0.01 min

Lab File: VL034785.D

Acq: 4 Mar 2020 7:52

Instrument :

MSVOA_L

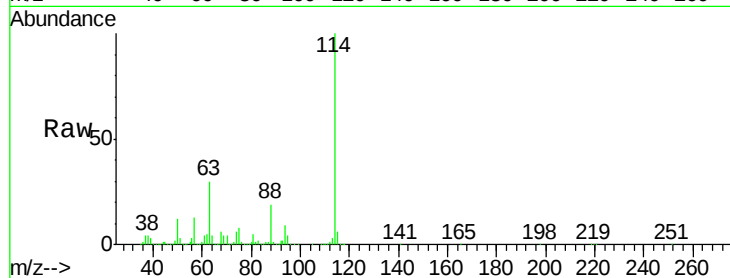
ClientSampleId :

VL0304ABS01

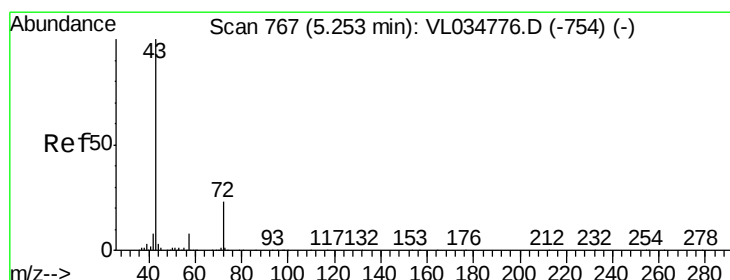
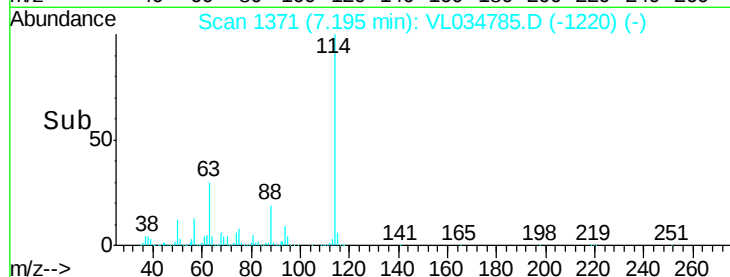
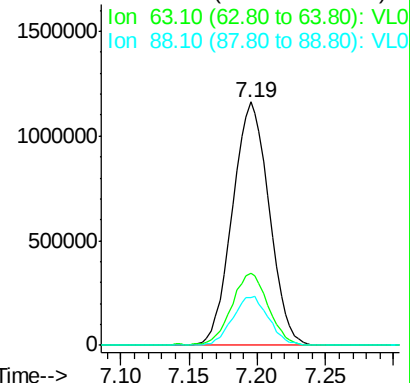
Tot Ion:	114	Resp:	2174317
Ion	Ratio	Lower	Upper
114	100		
63	29.9	23.6	35.4
88	19.8	15.8	23.8

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Abundance Ion 114.10 (113.80 to 114.80): VL034776.D (-1359) (-)



#34

2-Butanone

Concen: 9.406 ppbv

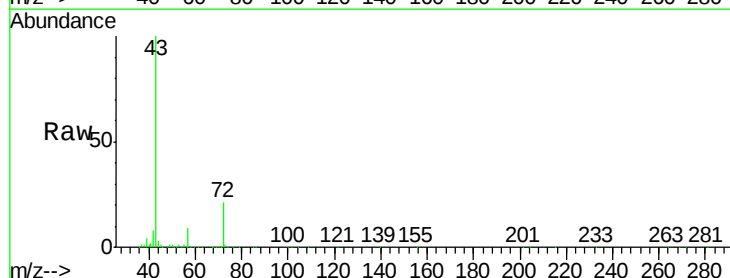
RT: 5.24 min Scan# 764

Delta R.T. -0.01 min

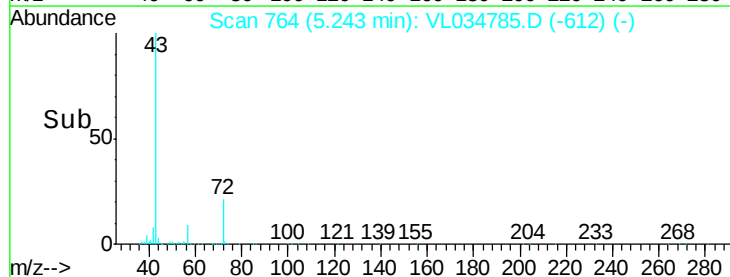
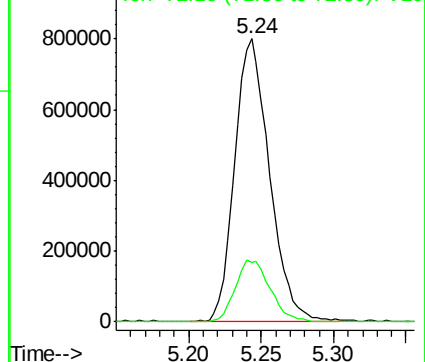
Lab File: VL034785.D

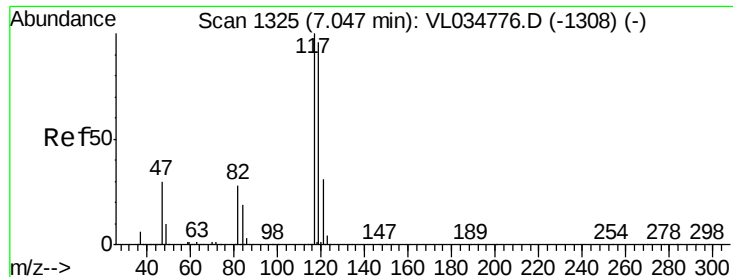
Acq: 4 Mar 2020 7:52

Tgt Ion:	43	Resp:	1330486
Ion	Ratio	Lower	Upper
43	100		
72	22.1	17.5	26.3



Abundance Ion 43.10 (42.80 to 43.80): VL034776.D (-754) (-)





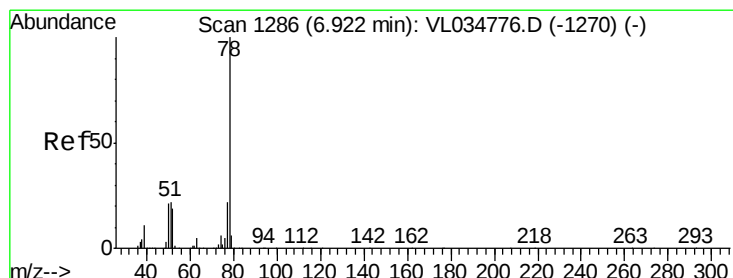
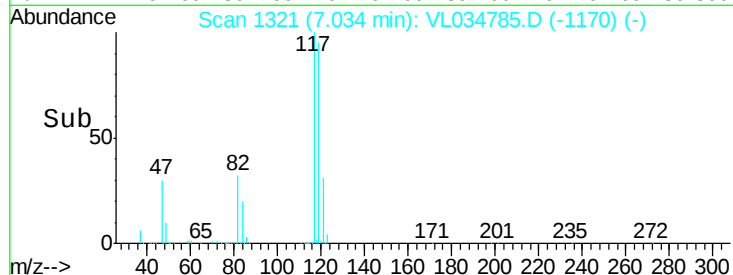
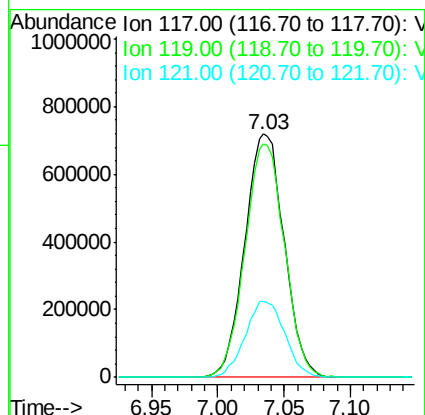
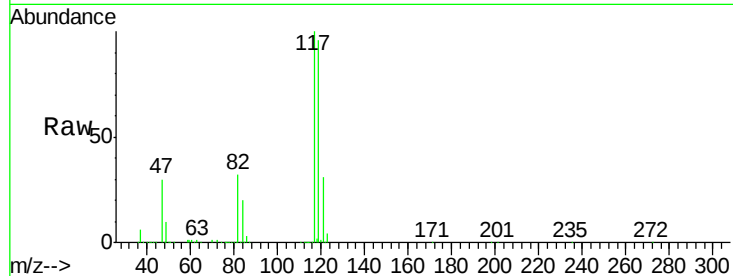
#35
Carbon Tetrachloride
Concen: 9.032 ppbv
RT: 7.03 min Scan# 1321
Delta R.T. -0.01 min
Lab File: VL034785.D
Acq: 4 Mar 2020 7:52

Instrument :
MSVOA_L
ClientSampleId :
VL0304ABS01

Tot Ion	Ratio	Lower	Upper
117	100		
119	96.1	76.8	115.2
121	31.2	24.6	37.0

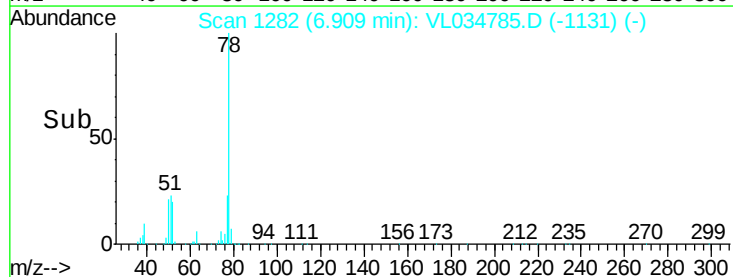
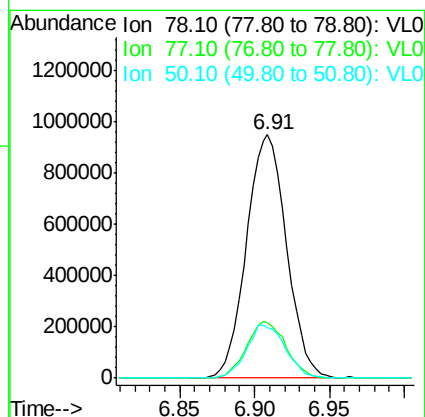
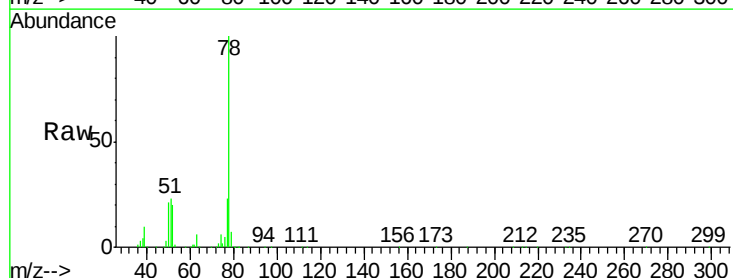
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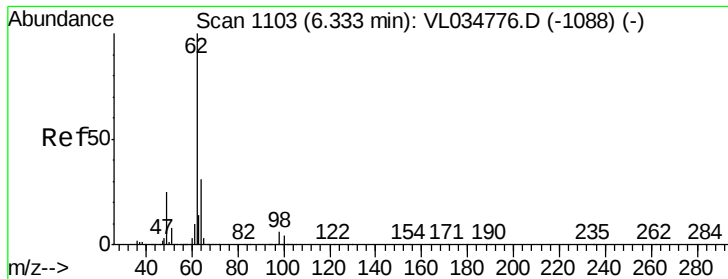
apatel
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#36
Benzene
Concen: 9.529 ppbv
RT: 6.91 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VL034785.D
Acq: 4 Mar 2020 7:52

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.0	27.0
50	20.9	16.9	25.3





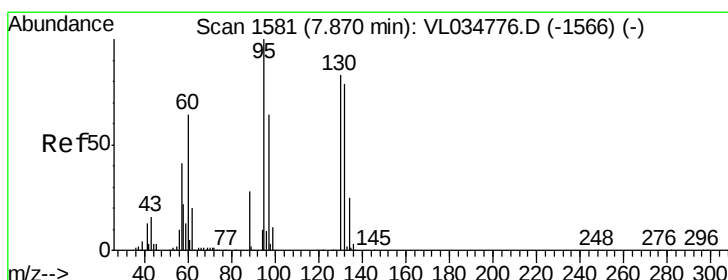
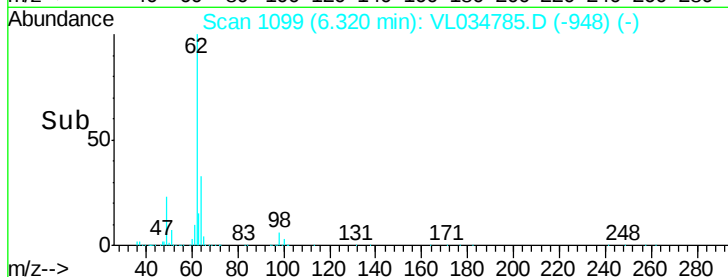
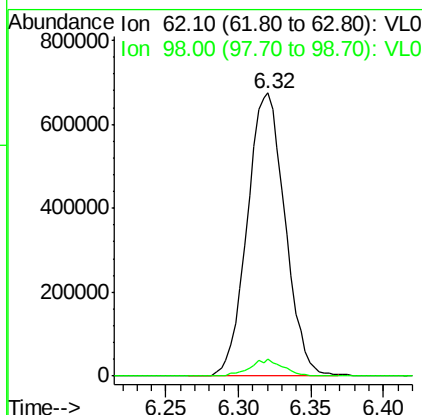
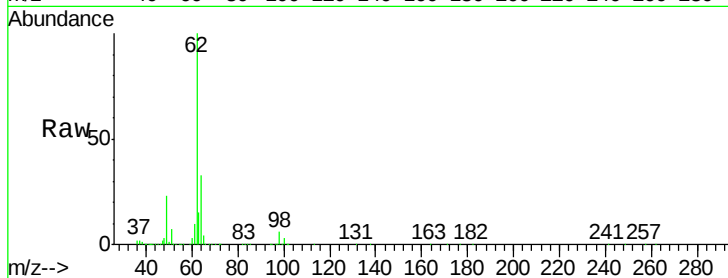
#37
 1,2-Dichloroethane
 Concen: 9.654 ppbv
 RT: 6.32 min Scan# 1099
 Delta R.T. -0.01 min
 Lab File: VL034785.D
 Acq: 4 Mar 2020 7:52

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0304ABS01

Tot Ion	Ratio	Lower	Upper
62	100		
98	5.2	4.4	6.6

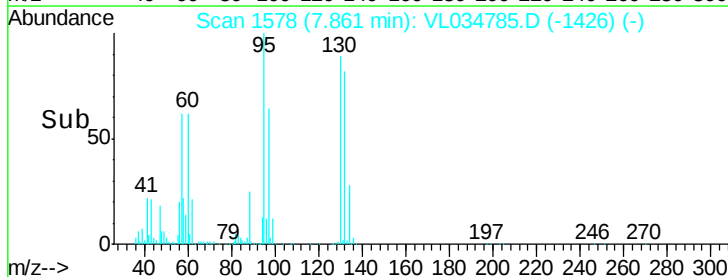
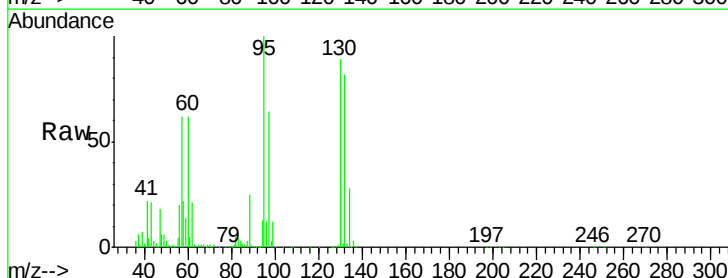
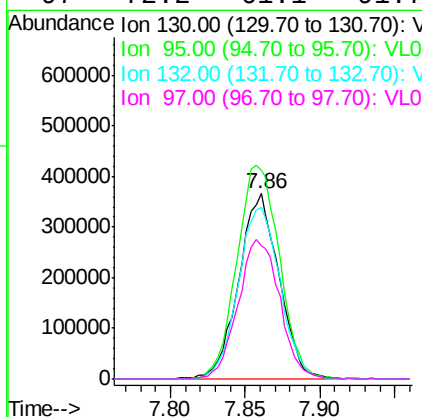
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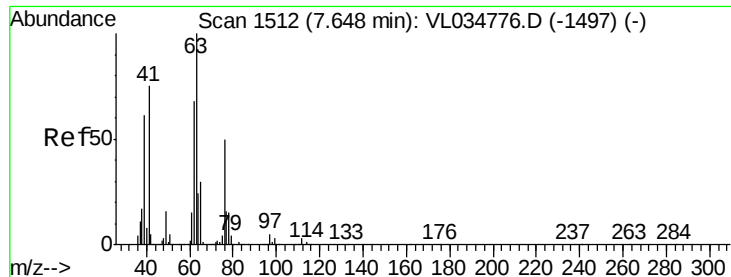
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#38
 Trichloroethene
 Concen: 9.432 ppbv
 RT: 7.86 min Scan# 1578
 Delta R.T. -0.01 min
 Lab File: VL034785.D
 Acq: 4 Mar 2020 7:52

Tgt Ion	Ratio	Lower	Upper
130	100		
95	112.9	95.8	143.8
132	93.0	76.1	114.1
97	72.2	61.1	91.7





#39

1,2-Dichloropropane

Concen: 9.560 ppbv

RT: 7.64 min Scan# 1508

Delta R.T. -0.01 min

Lab File: VL034785.D

Acq: 4 Mar 2020 7:52

Instrument :

MSVOA_L

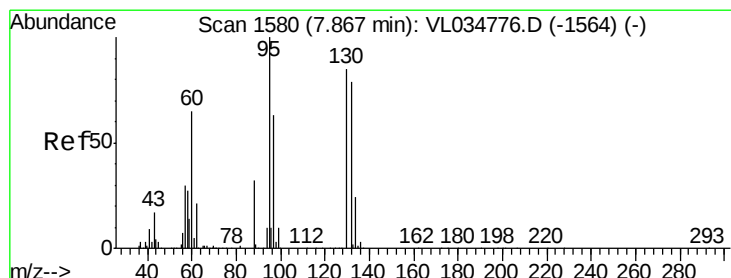
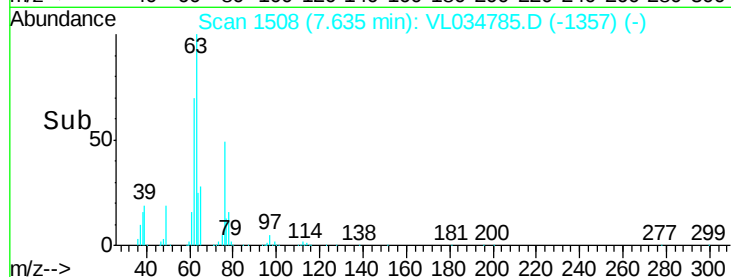
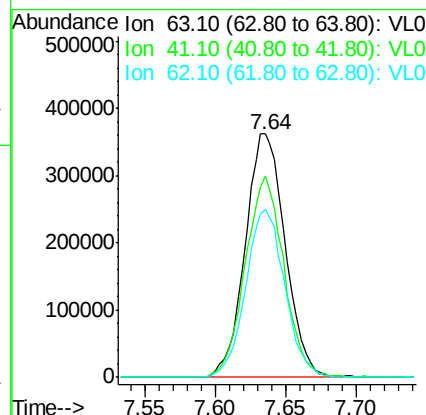
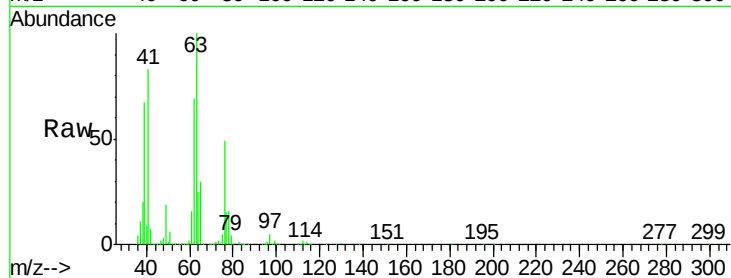
ClientSampleId :

VL0304ABS01

Tot Ion:	63	Resp:	716826
Ion Ratio	Lower	Upper	
63	100		
41	82.7	60.3	90.5
62	69.2	54.5	81.7

Manual Integrations
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#40

1,4-Dioxane

Concen: 10.789 ppbv

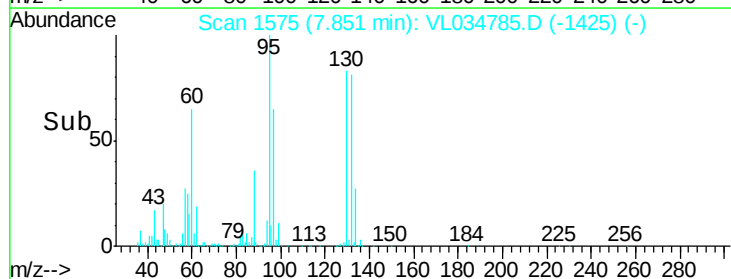
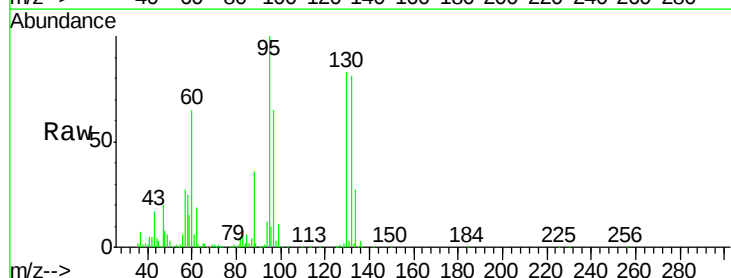
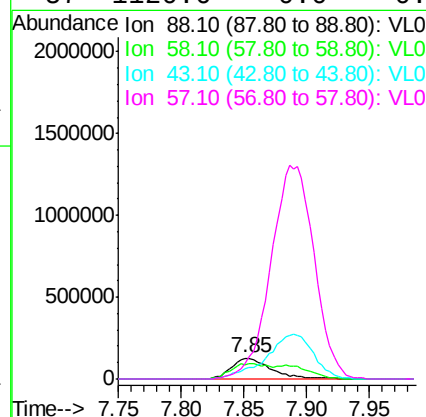
RT: 7.85 min Scan# 1575

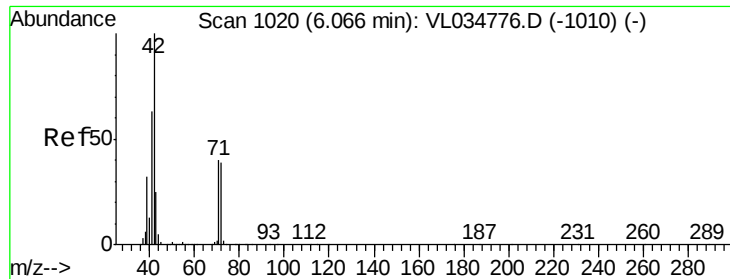
Delta R.T. -0.02 min

Lab File: VL034785.D

Acq: 4 Mar 2020 7:52

Tgt Ion:	88	Resp:	279799
Ion Ratio	Lower	Upper	
88	100		
58	127.4	110.6	166.0
43	257.6	0.0	0.0#
57	1120.6	0.0	0.0#





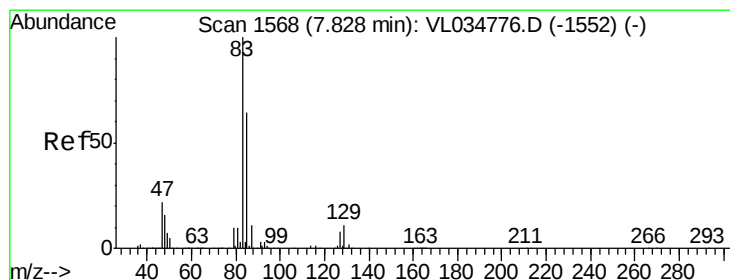
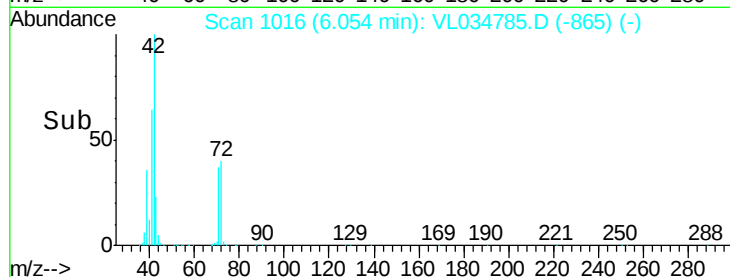
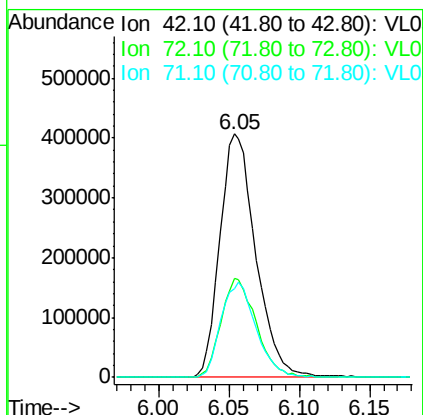
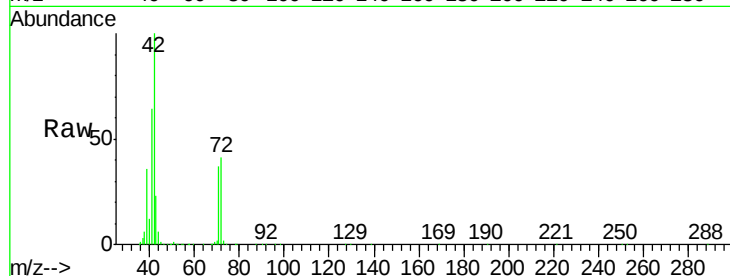
#41
Tetrahydrofuran
Concen: 9.918 ppbv
RT: 6.05 min Scan# 1016
Delta R.T. -0.01 min
Lab File: VL034785.D
Acq: 4 Mar 2020 7:52

Instrument :
MSVOA_L
ClientSampleId :
VL0304ABS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.2	32.0	48.0
71	38.9	31.3	46.9

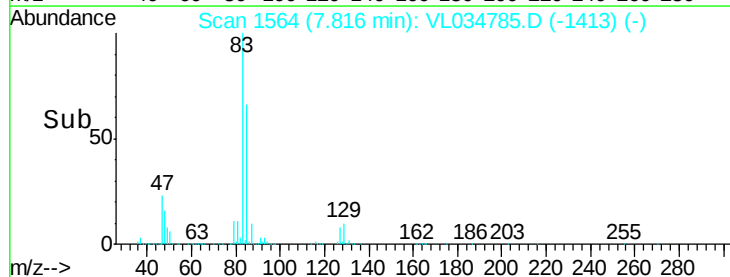
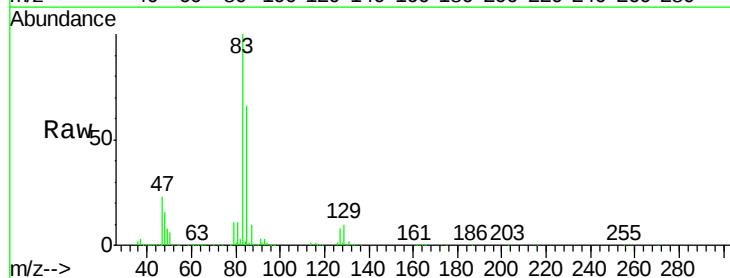
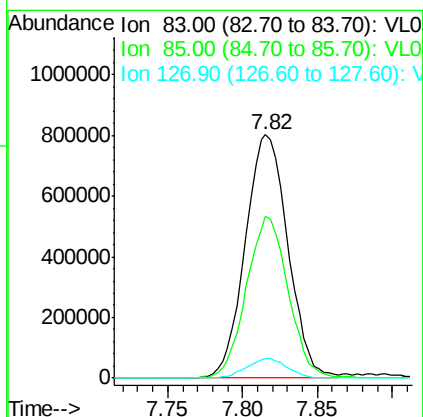
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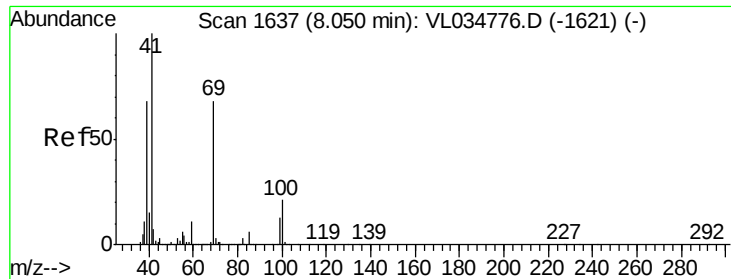
apatel
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#42
Bromodichloromethane
Concen: 9.921 ppbv
RT: 7.82 min Scan# 1564
Delta R.T. -0.01 min
Lab File: VL034785.D
Acq: 4 Mar 2020 7:52

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.2	50.8	76.2
127	7.9	6.5	9.7





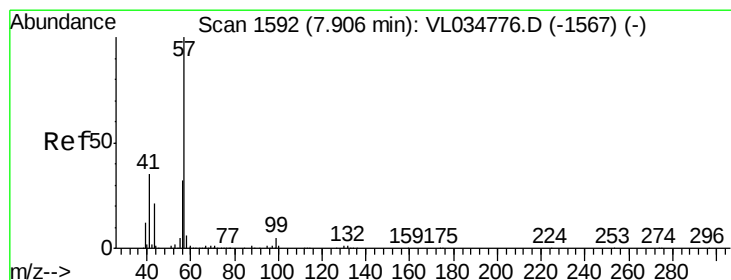
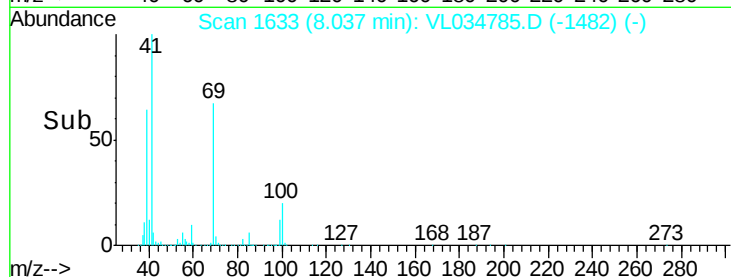
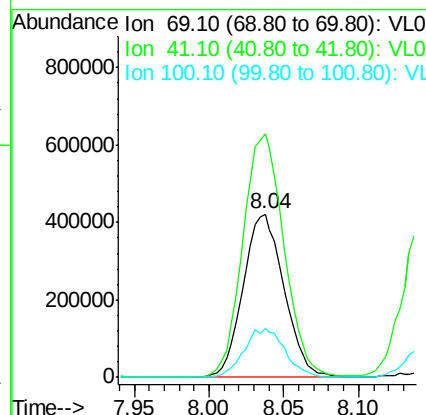
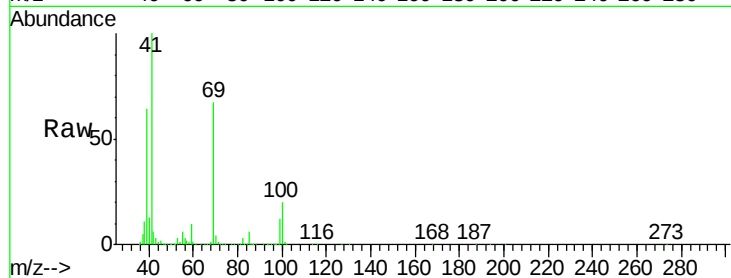
#43
Methvl Methacrvlate
Concen: 10.165 ppbv
RT: 8.04 min Scan# 1633
Delta R.T. -0.01 min
Lab File: VL034785.D
Acq: 4 Mar 2020 7:52

Instrument :
MSVOA_L
ClientSampleId :
VL0304ABS01

Tot Ion	Ratio	Lower	Upper
69	100		
41	150.0	121.6	182.4
100	30.1	23.8	35.8

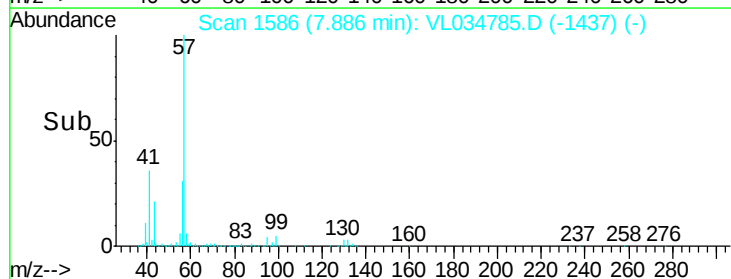
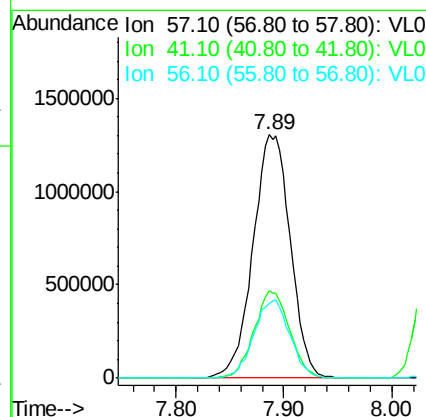
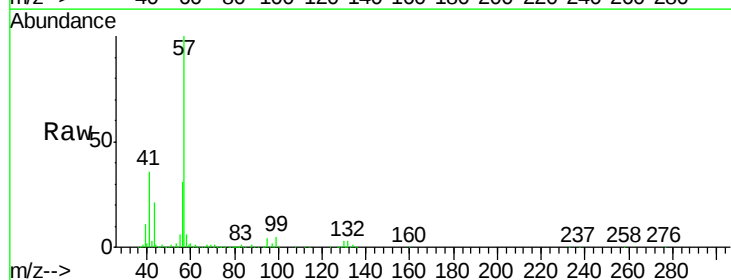
Manual Integrations
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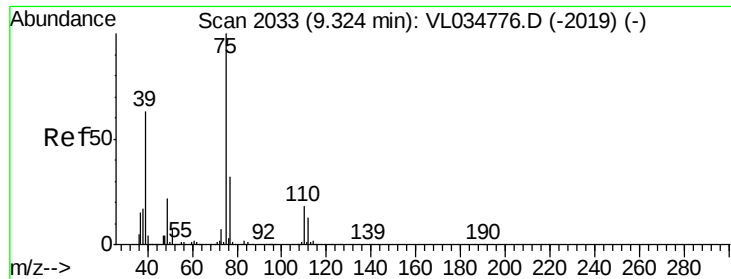
apatel
3/4/2020 4:45:37 PM



#44
2,2,4-Trimethylpentane
Concen: 9.643 ppbv
RT: 7.89 min Scan# 1586
Delta R.T. -0.02 min
Lab File: VL034785.D
Acq: 4 Mar 2020 7:52

Tgt Ion	Ratio	Lower	Upper
57	100		
41	34.1	27.4	41.0
56	31.0	25.0	37.6





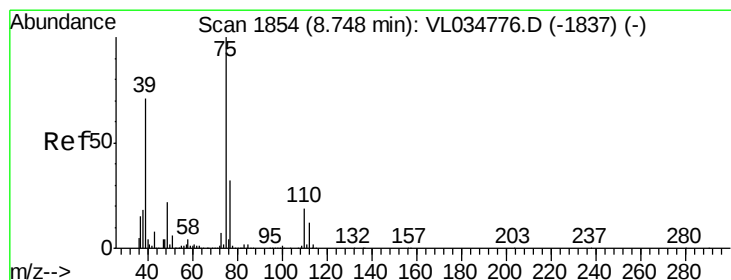
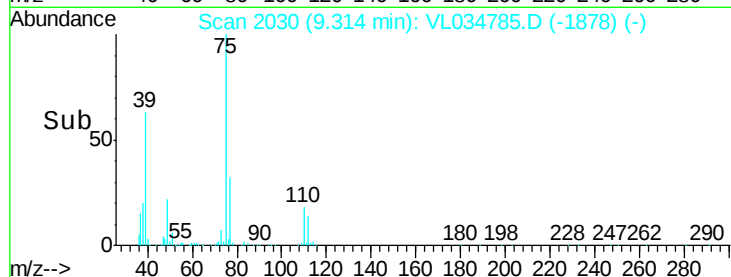
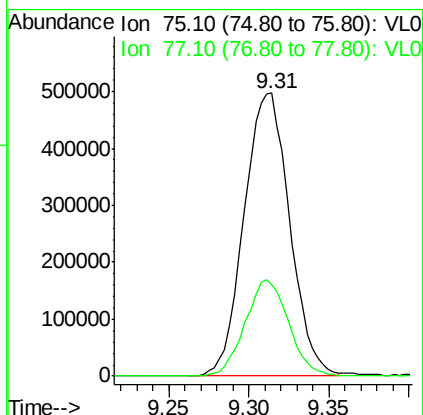
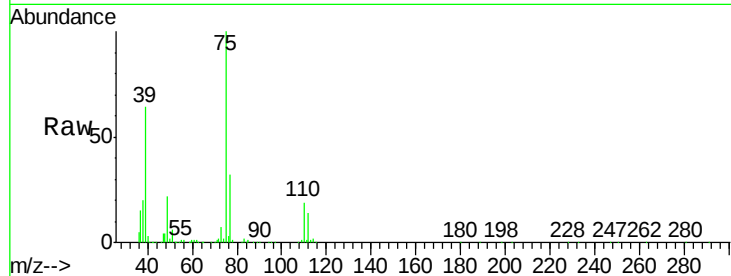
#45
t-1,3-Dichloropropene
Concen: 11.769 ppbv
RT: 9.31 min Scan# 2030
Delta R.T. -0.01 min
Lab File: VL034785.D
Acq: 4 Mar 2020 7:52

Instrument :
MSVOA_L
ClientSampleId :
VL0304ABS01

Tot Ion: 75 Resp: 972752
Ion Ratio Lower Upper
75 100
77 32.3 25.6 38.4

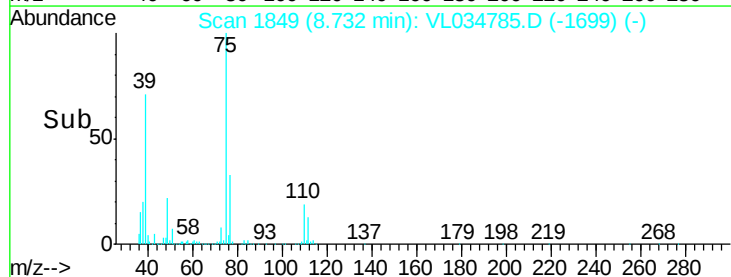
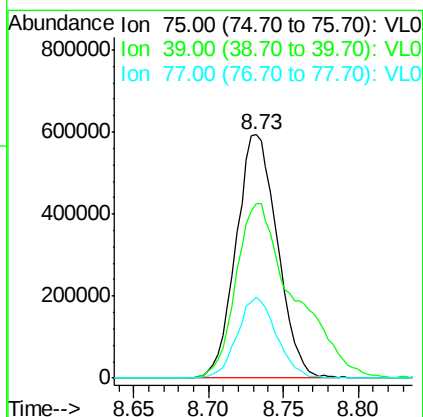
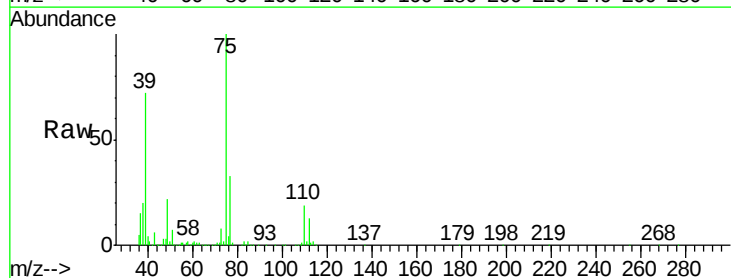
Manual Integrations
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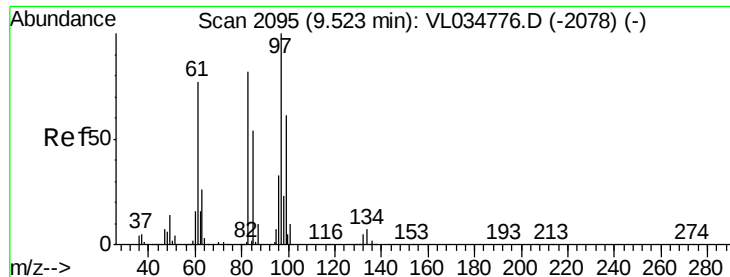
apatel
3/4/2020 4:45:37 PM



#46
cis-1,3-Dichloropropene
Concen: 11.253 ppbv
RT: 8.73 min Scan# 1849
Delta R.T. -0.02 min
Lab File: VL034785.D
Acq: 4 Mar 2020 7:52

Tgt Ion: 75 Resp: 1135692
Ion Ratio Lower Upper
75 100
39 71.5 56.9 85.3
77 33.3 25.7 38.5





#47

1,1,2-Trichloroethane

Concen: 9.428 ppbv

RT: 9.51 min Scan# 2091

Delta R.T. -0.01 min

Lab File: VL034785.D

Acq: 4 Mar 2020 7:52

Instrument :

MSVOA_L

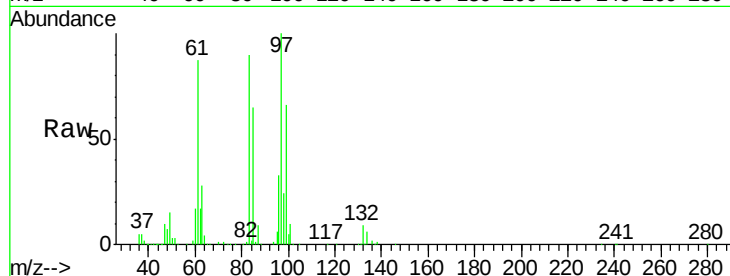
ClientSampleId :

VL0304ABS01

Tot Ion:	97	Resp:	746352
Ion Ratio	Lower	Upper	
97	100		
83	89.3	65.2	97.8
85	64.9	43.6	65.4
99	65.9	48.9	73.3

Manual Integrations
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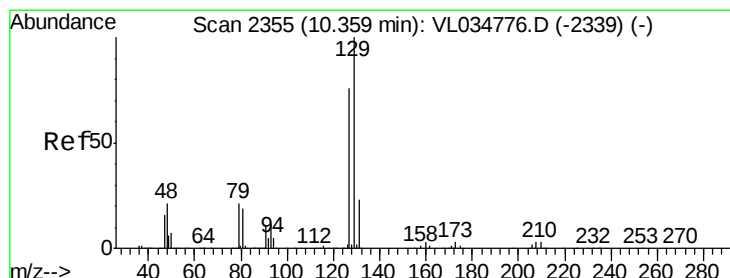
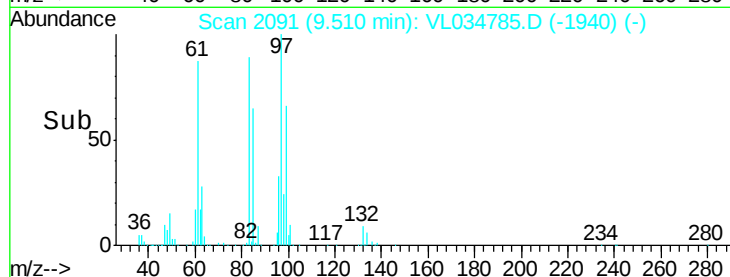
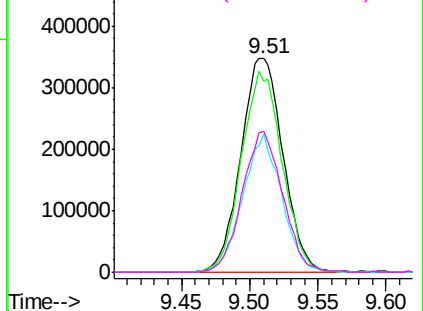


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 10.478 ppbv

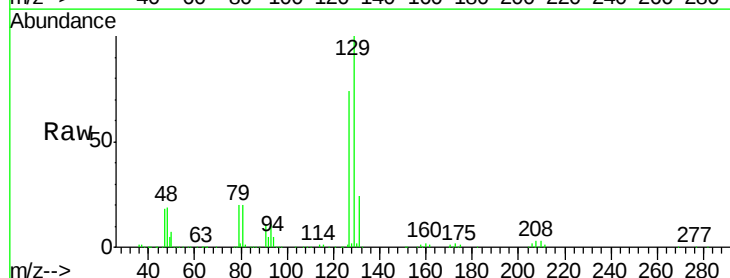
RT: 10.35 min Scan# 2351

Delta R.T. -0.01 min

Lab File: VL034785.D

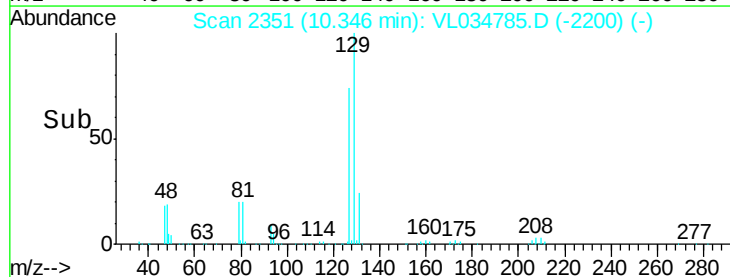
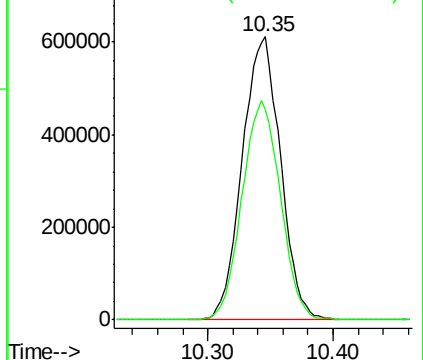
Acq: 4 Mar 2020 7:52

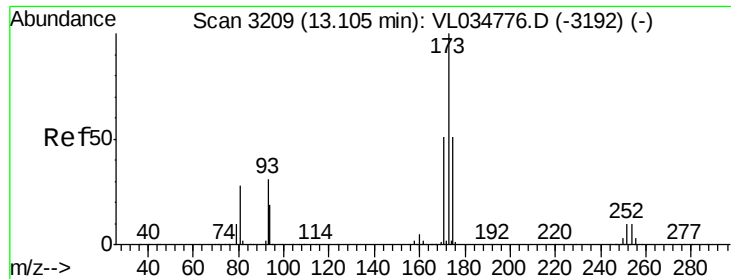
Tgt Ion:	129	Resp:	1297079
Ion Ratio	Lower	Upper	
129	100		
127	77.8	39.0	117.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.700 ppbv

RT: 13.09 min Scan# 3204

Delta R.T. -0.02 min

Lab File: VL034785.D

Acq: 4 Mar 2020 7:52

Instrument :

MSVOA_L

ClientSampleId :

VL0304ABS01

Tot Ion:173 Resp: 1155801

Ion Ratio Lower Upper

173 100

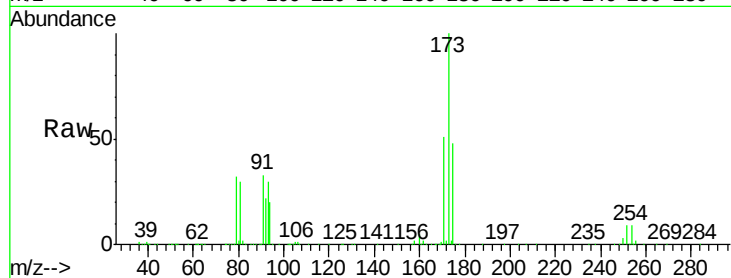
175 48.9 39.8 59.6

171 51.9 41.0 61.4

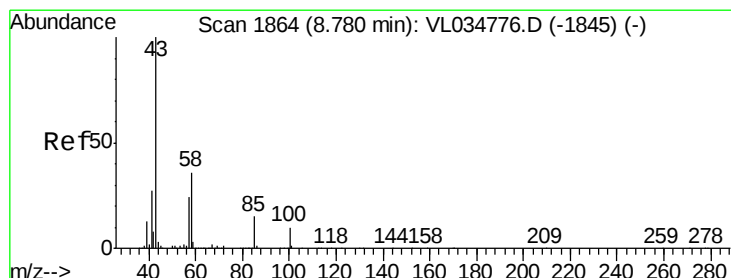
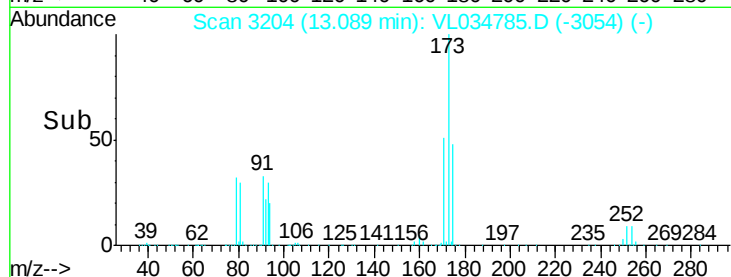
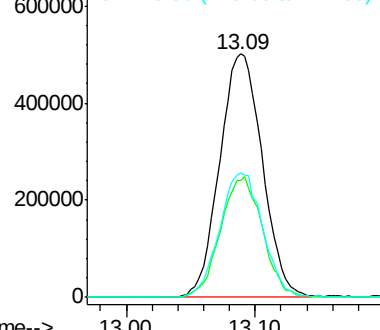
Manual Integrations
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Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.828 ppbv

RT: 8.76 min Scan# 1859

Delta R.T. -0.02 min

Lab File: VL034785.D

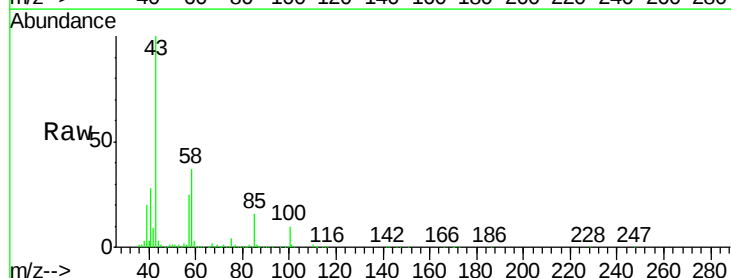
Acq: 4 Mar 2020 7:52

Tgt Ion: 43 Resp: 1991919

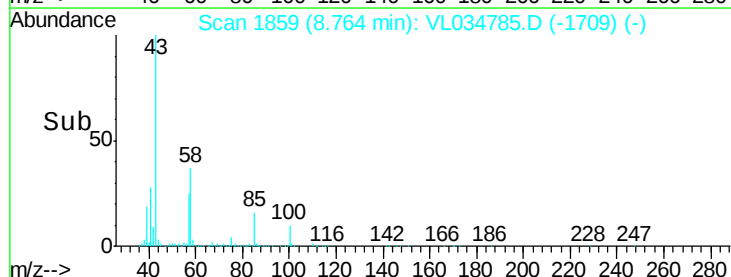
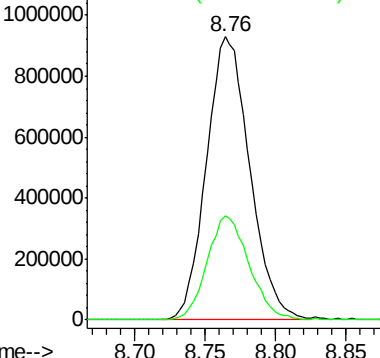
Ion Ratio Lower Upper

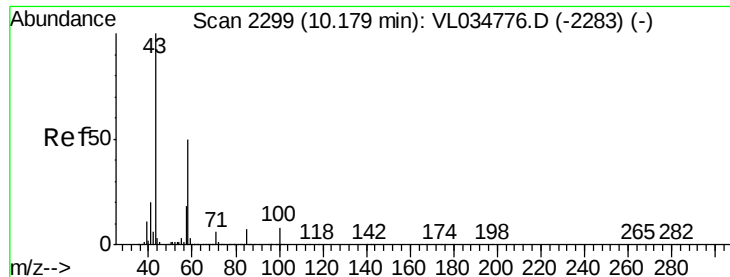
43 100

58 36.0 28.7 43.1



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





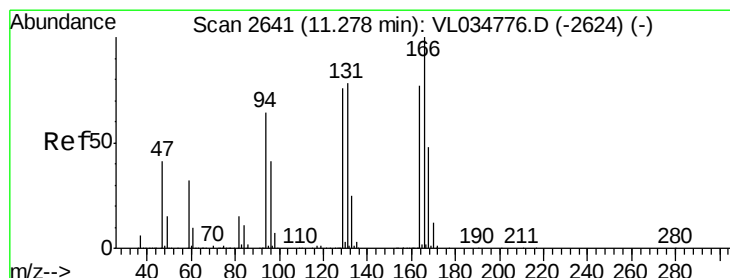
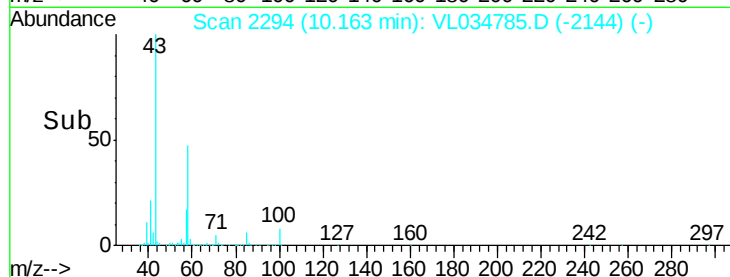
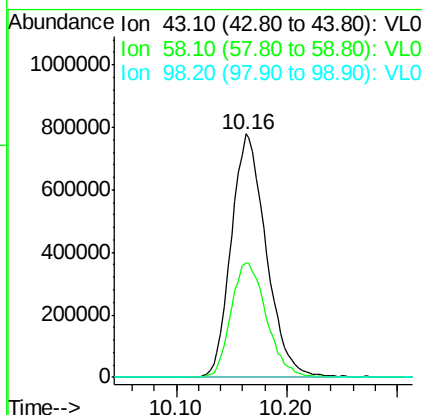
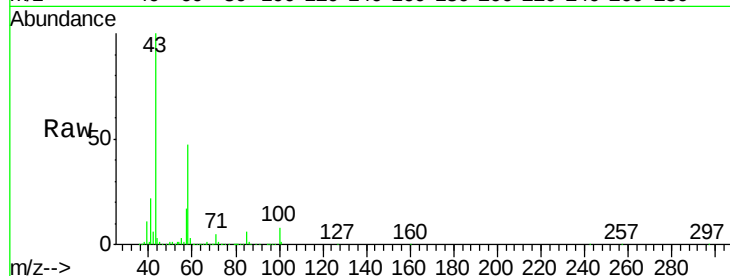
#51
2-Hexanone
Concen: 10.782 ppbv
RT: 10.16 min Scan# 2294
Delta R.T. -0.02 min
Lab File: VL034785.D
Acq: 4 Mar 2020 7:52

Instrument :
MSVOA_L
ClientSampled :
VL0304ABS01

Tot Ion: 43 Resp: 1714343
Ion Ratio Lower Upper
43 100
58 47.7 38.6 58.0
98 0.2 0.2 0.4#

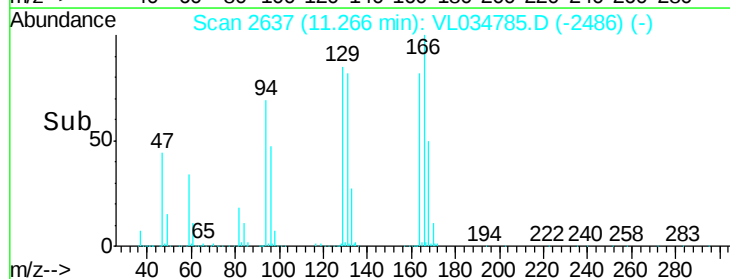
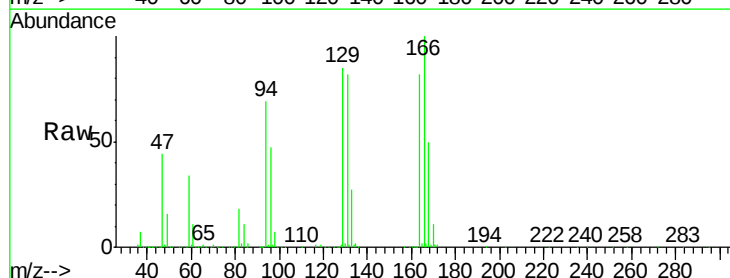
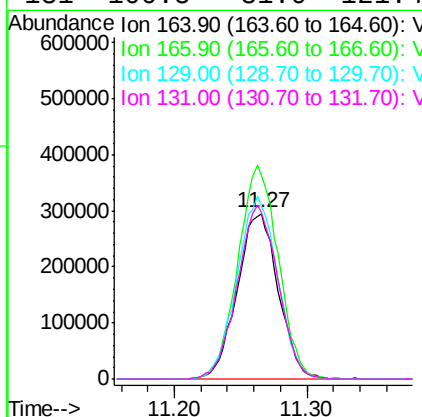
Manual Integrations
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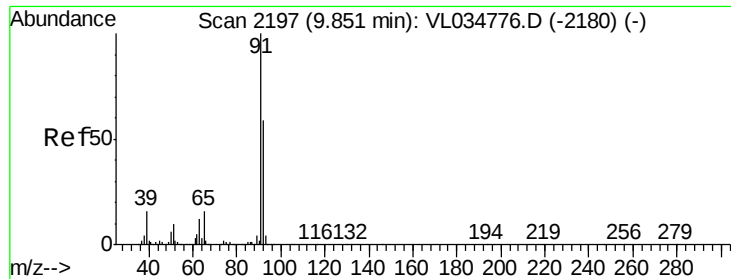
apatel
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#52
Tetrachloroethene
Concen: 9.265 ppbv
RT: 11.27 min Scan# 2637
Delta R.T. -0.01 min
Lab File: VL034785.D
Acq: 4 Mar 2020 7:52

Tgt Ion: 164 Resp: 636007
Ion Ratio Lower Upper
164 100
166 122.4 103.3 154.9
129 104.5 79.0 118.4
131 100.5 81.0 121.4





#53

Toluene

Concen: 10.374 ppbv

RT: 9.84 min Scan# 2193

Delta R.T. -0.01 min

Lab File: VL034785.D

Acq: 4 Mar 2020 7:52

Instrument :

MSVOA_L

ClientSampleId :

VL0304ABS01

Tot Ion: 91 Resp: 2040007

Ion Ratio Lower Upper

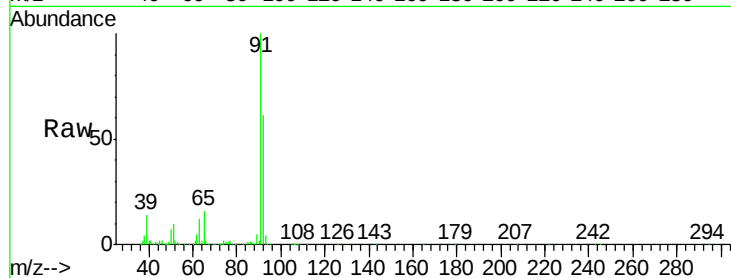
91 100

92 60.5 48.2 72.2

Manual Integrations
APPROVED

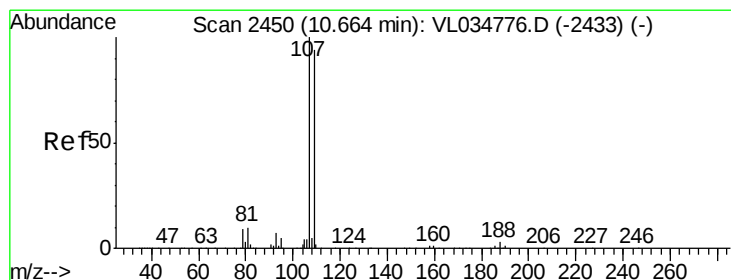
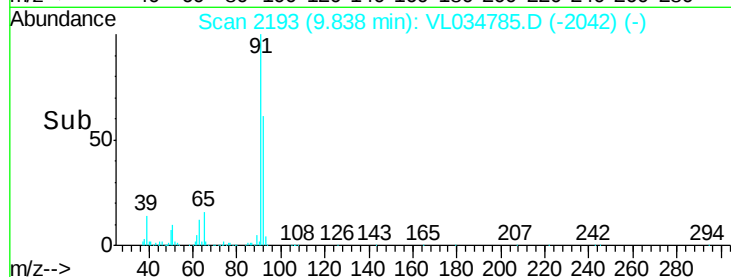
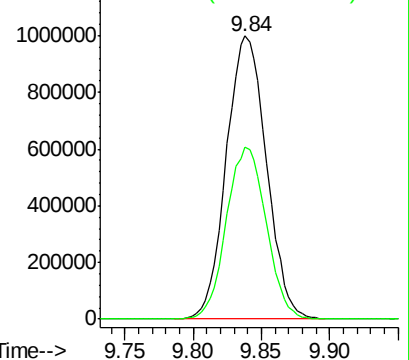
apatel

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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 9.888 ppbv

RT: 10.65 min Scan# 2445

Delta R.T. -0.02 min

Lab File: VL034785.D

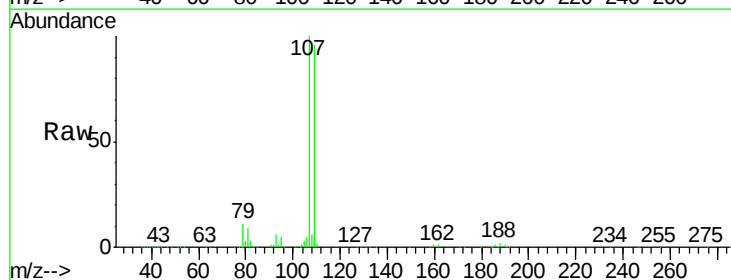
Acq: 4 Mar 2020 7:52

Tgt Ion: 107 Resp: 1157459

Ion Ratio Lower Upper

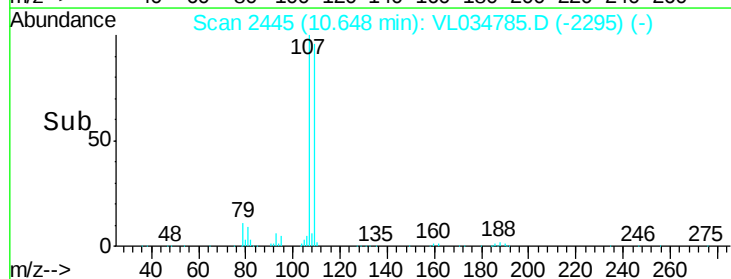
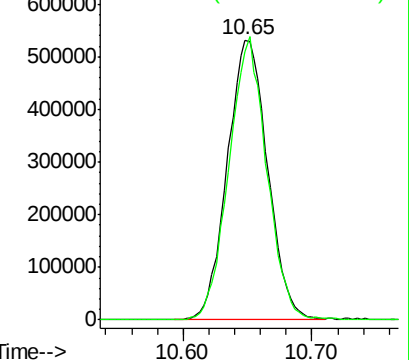
107 100

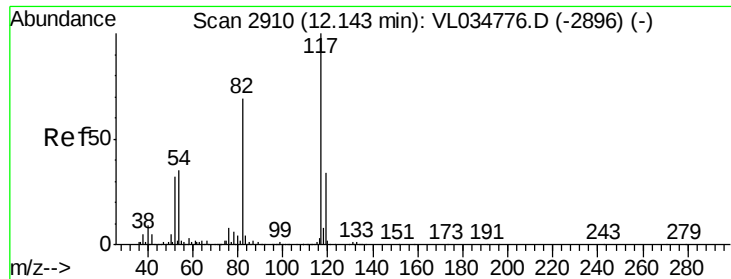
109 96.0 75.0 112.6



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





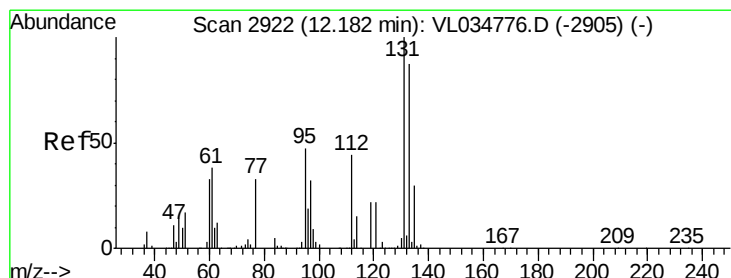
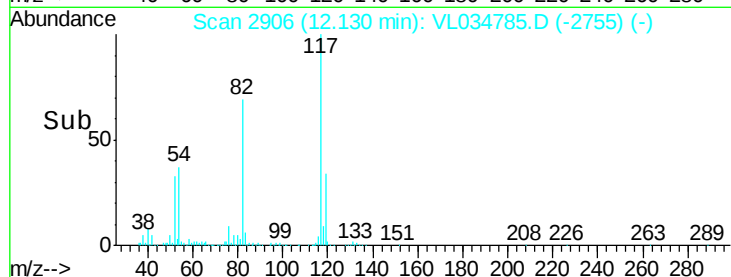
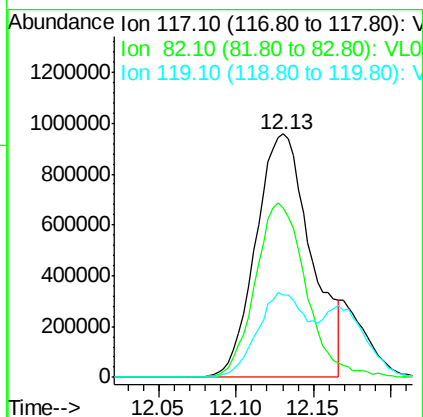
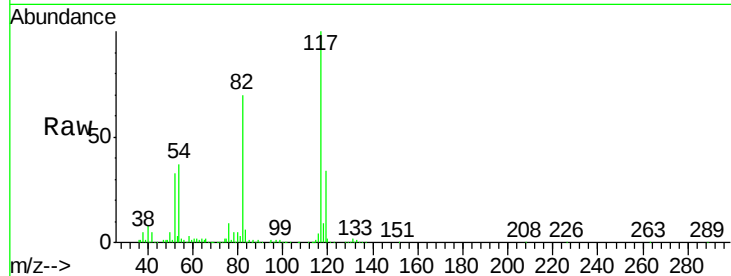
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.13 min Scan# 2906
Delta R.T. -0.01 min
Lab File: VL034785.D
Acq: 4 Mar 2020 7:52

Instrument :
MSVOA_L
ClientSampleId :
VL0304ABS01

Tot Ion:117 Resp: 2381193
Ion Ratio Lower Upper
117 100
82 66.4 53.9 80.9
119 32.1 25.0 37.4

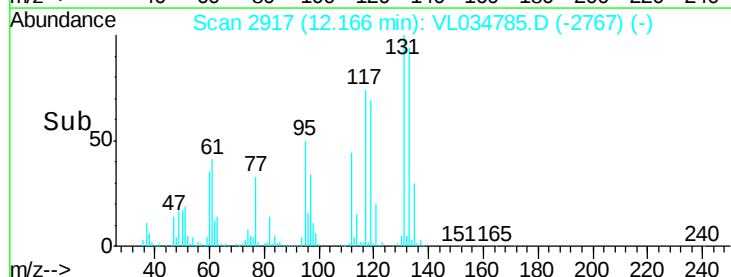
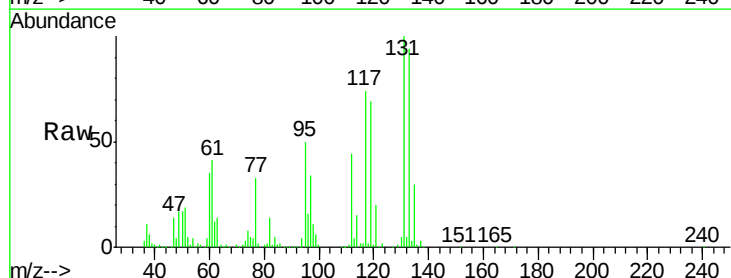
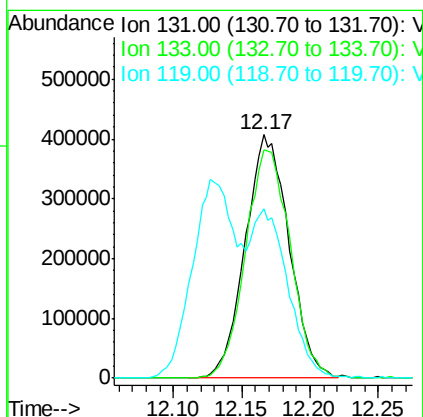
Manual Integrations
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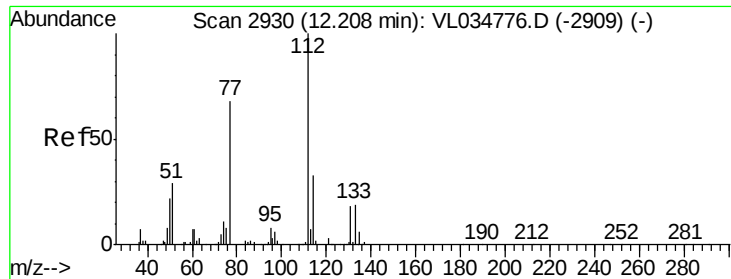
apatel
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#56
1,1,1,2-Tetrachloroethane
Concen: 8.598 ppbv
RT: 12.17 min Scan# 2917
Delta R.T. -0.02 min
Lab File: VL034785.D
Acq: 4 Mar 2020 7:52

Tgt Ion:131 Resp: 907184
Ion Ratio Lower Upper
131 100
133 96.2 75.4 113.0
119 58.1 110.5 165.7#





#57

Chlorobenzene

Concen: 8.613 ppbv m

RT: 12.19 min Scan# 2925

Delta R.T. -0.02 min

Lab File: VL034785.D

Acq: 4 Mar 2020 7:52

Instrument :

MSVOA_L

ClientSampleId :

VL0304ABS01

Tot Ion: 112 Resp: 1566608

Ion Ratio Lower Upper

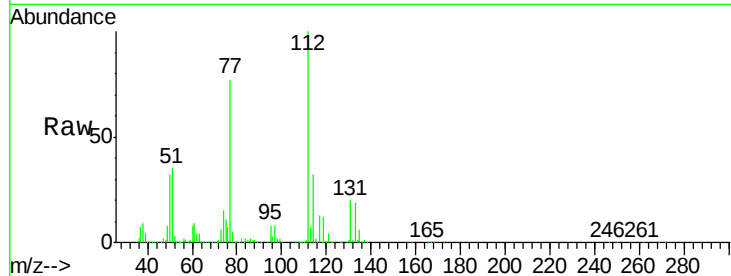
112 100

77 77.4 55.6 83.4

114 32.4 29.4 36.0

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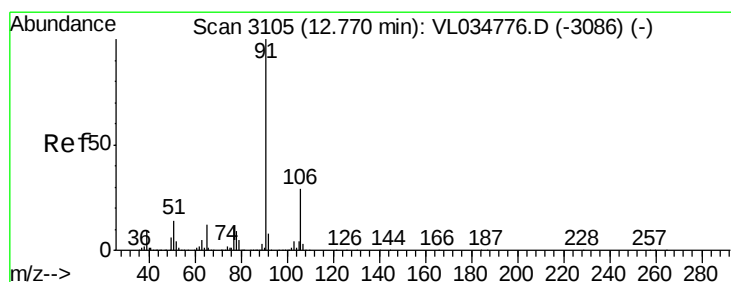
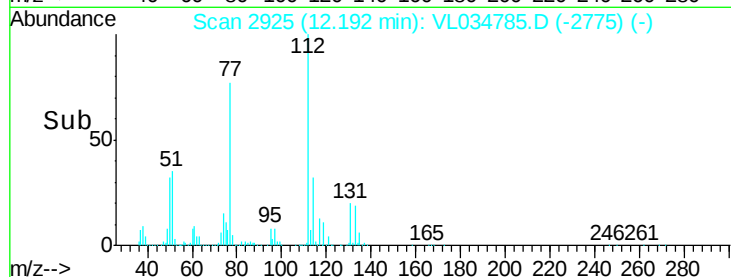
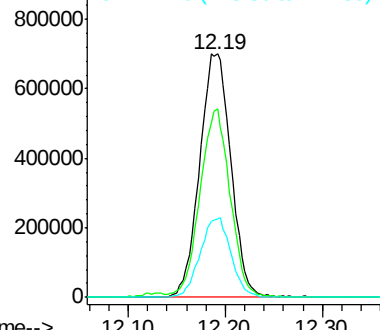
apatel
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 9.532 ppbv

RT: 12.75 min Scan# 3099

Delta R.T. -0.02 min

Lab File: VL034785.D

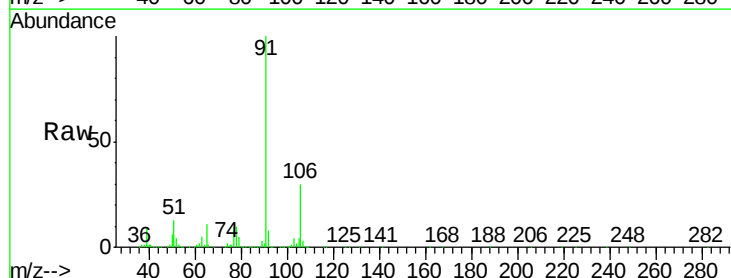
Acq: 4 Mar 2020 7:52

Tgt Ion: 91 Resp: 2797164

Ion Ratio Lower Upper

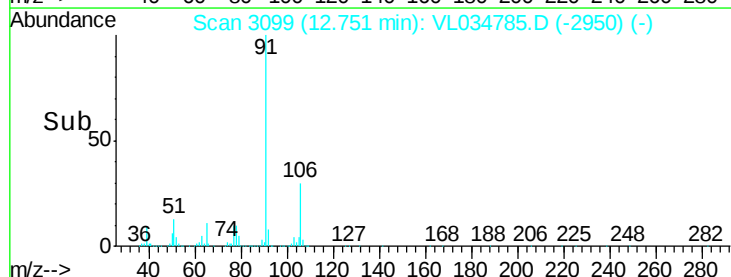
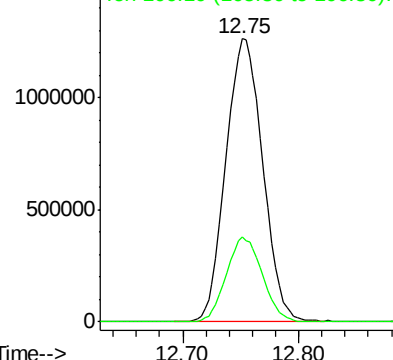
91 100

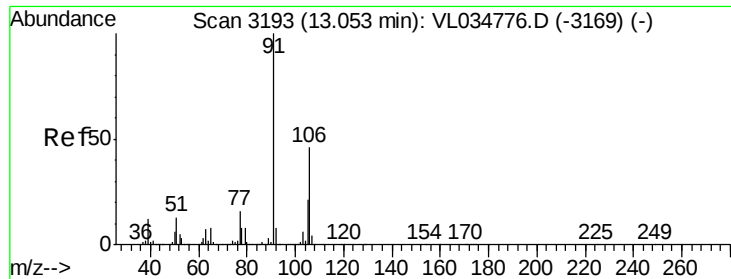
106 29.9 22.8 34.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





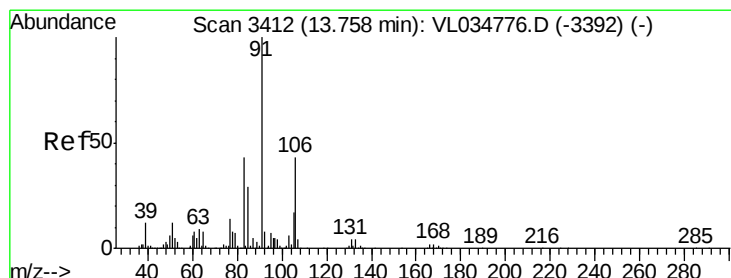
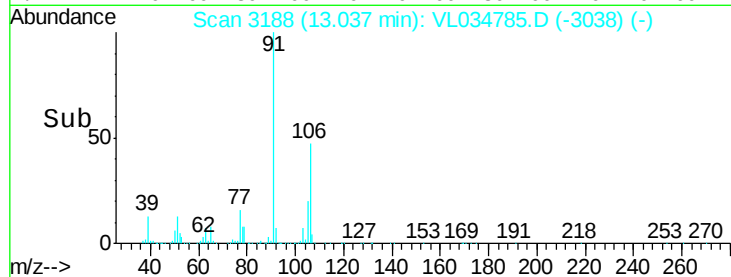
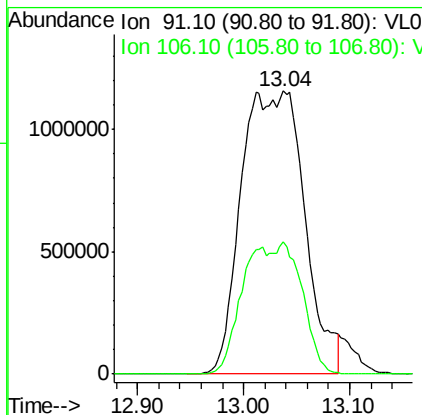
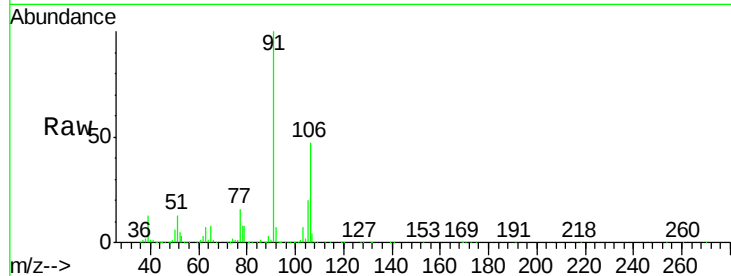
#59
m/p-Xylene
Concen: 18.778 ppbv m
RT: 13.04 min Scan# 3188
Delta R.T. -0.02 min
Lab File: VL034785.D
Acq: 4 Mar 2020 7:52

Instrument :
MSVOA_L
ClientSampleId :
VL0304ABS01

Tot Ion: 91 Resp: 4769960
Ion Ratio Lower Upper
91 100
106 43.4 35.8 53.8

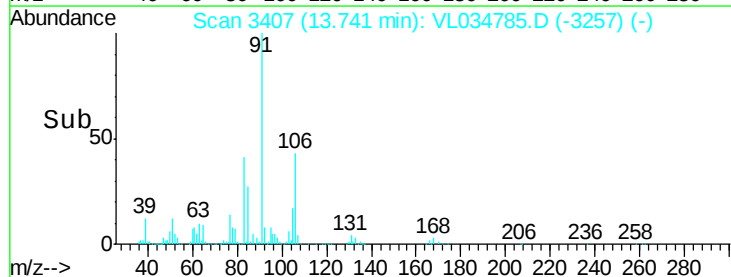
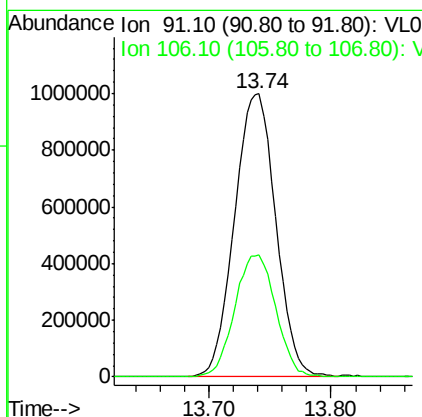
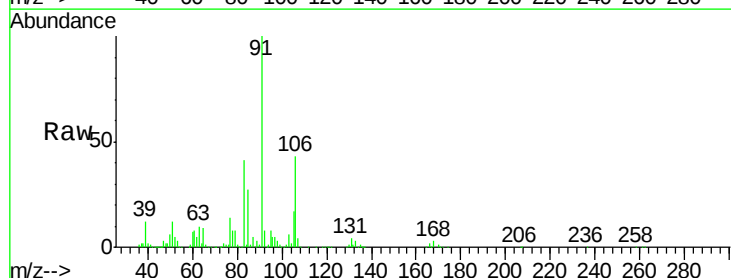
Manual Integrations
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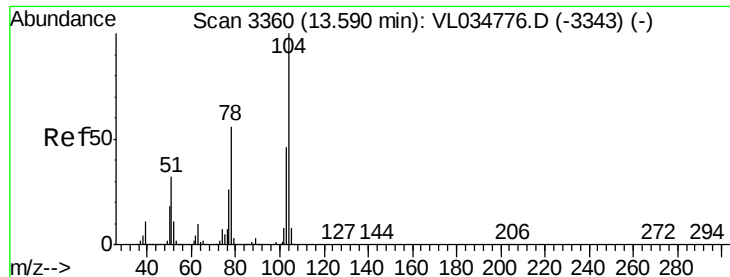
apatel
3/4/2020 4:45:37 PM



#60
o-Xylene
Concen: 9.051 ppbv
RT: 13.74 min Scan# 3407
Delta R.T. -0.02 min
Lab File: VL034785.D
Acq: 4 Mar 2020 7:52

Tgt Ion: 91 Resp: 2326302
Ion Ratio Lower Upper
91 100
106 43.2 21.7 65.1





#61

Stvrene

Concen: 10.303 ppbv

RT: 13.57 min Scan# 3355

Delta R.T. -0.02 min

Lab File: VL034785.D

Acq: 4 Mar 2020 7:52

Instrument :

MSVOA_L

ClientSampleId :

VL0304ABS01

Tot Ion:104 Resp: 1642659

Ion Ratio Lower Upper

104 100

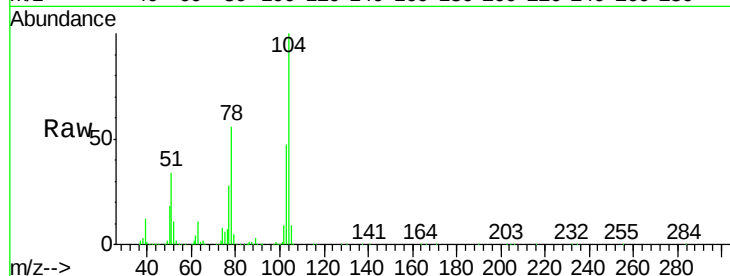
78 57.2 44.7 67.1

103 47.3 38.2 57.2

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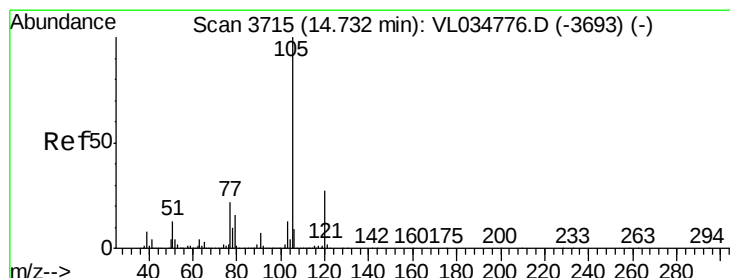
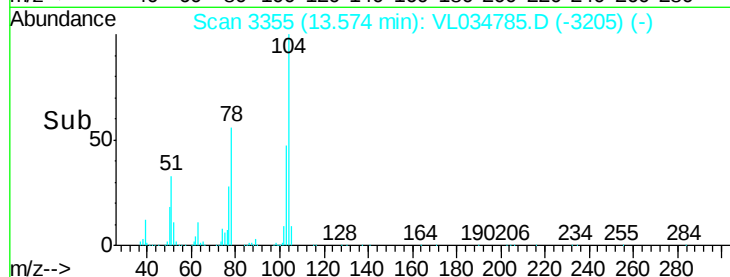
Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): V

Ion 103.10 (102.80 to 103.80): V

13.57

Time-->



#62

Isopropylbenzene

Concen: 8.614 ppbv

RT: 14.71 min Scan# 3709

Delta R.T. -0.02 min

Lab File: VL034785.D

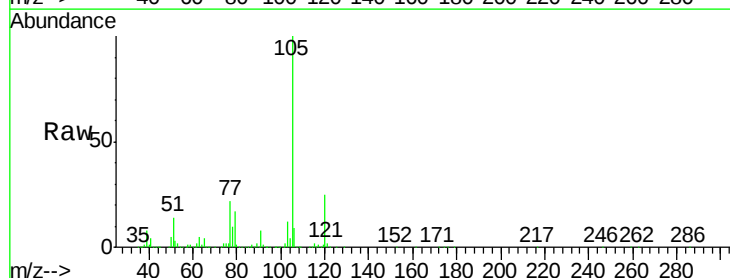
Acq: 4 Mar 2020 7:52

Tgt Ion:105 Resp: 3258337

Ion Ratio Lower Upper

105 100

120 25.5 20.5 30.7

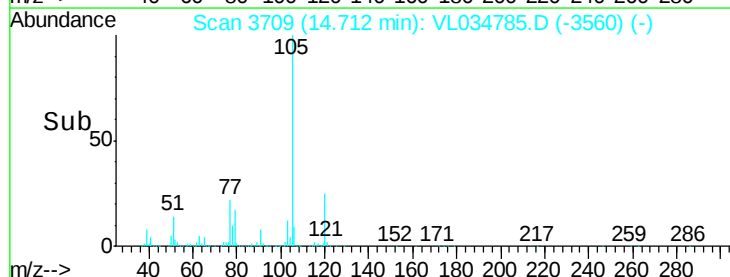


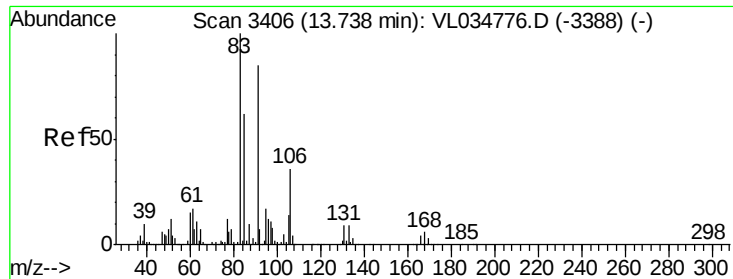
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

14.71

Time-->





#63

1,1,2,2-Tetrachloroethane

Concen: 8.389 ppbv

RT: 13.73 min Scan# 3402

Delta R.T. -0.01 min

Lab File: VL034785.D

Acq: 4 Mar 2020 7:52

Instrument :

MSVOA_L

ClientSampleId :

VL0304ABS01

Tot Ion: 83 Resp: 1699722

Ion Ratio Lower Upper

83 100

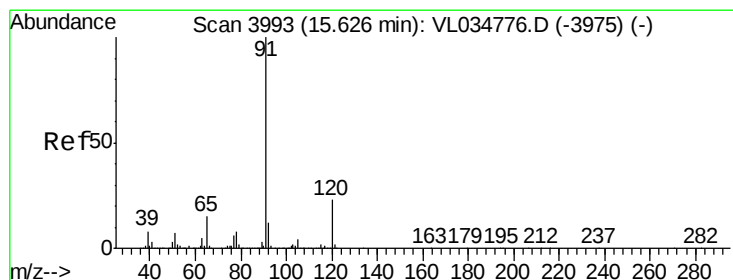
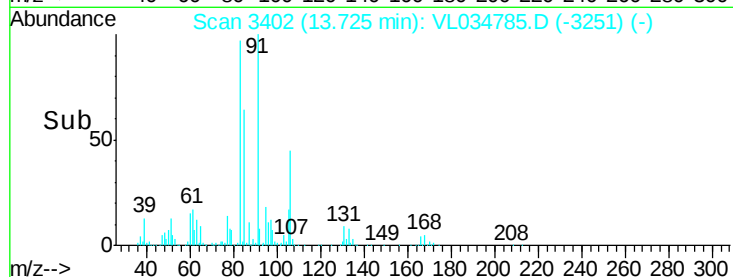
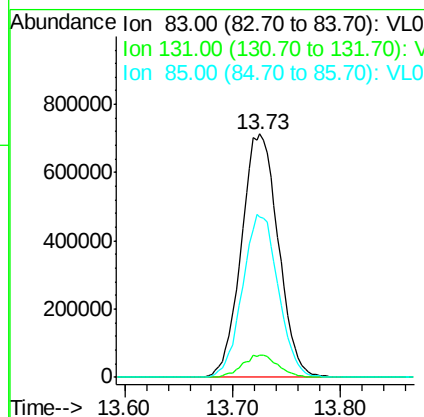
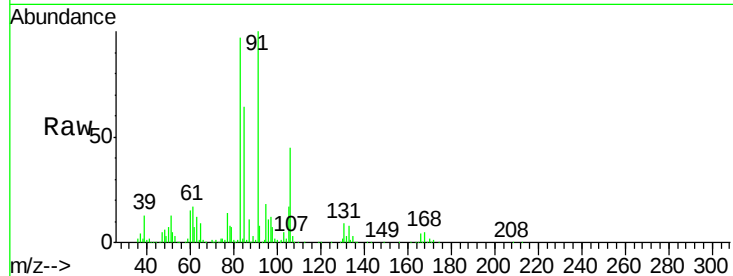
131 9.0 4.7 14.0

85 64.8 32.9 98.7

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#64

n-propylbenzene

Concen: 8.887 ppbv

RT: 15.62 min Scan# 3990

Delta R.T. -0.01 min

Lab File: VL034785.D

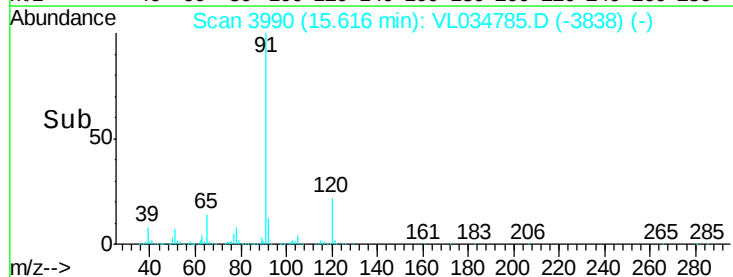
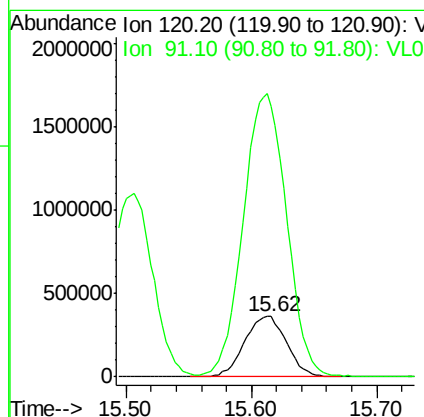
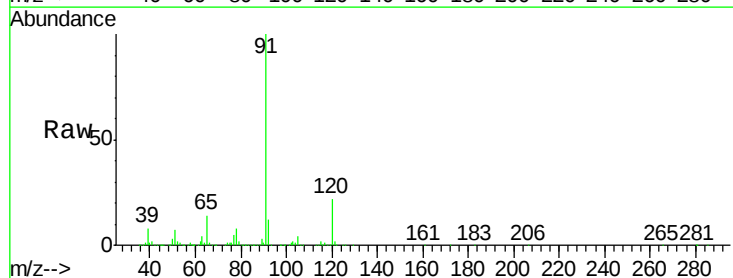
Acq: 4 Mar 2020 7:52

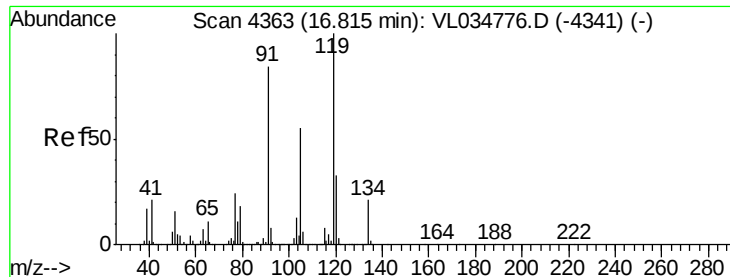
Tgt Ion: 120 Resp: 842843

Ion Ratio Lower Upper

120 100

91 483.8 379.4 569.2





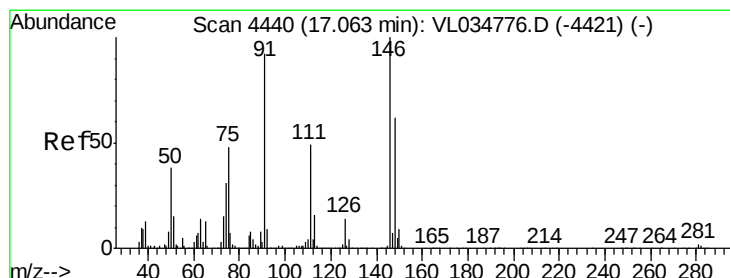
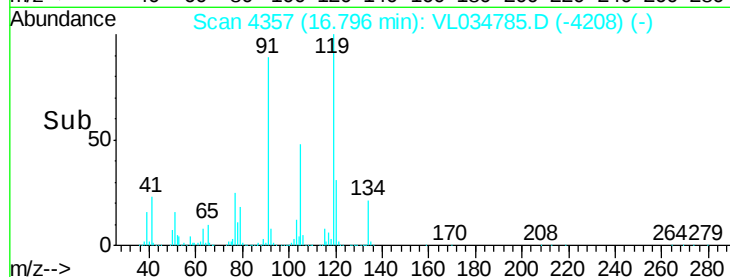
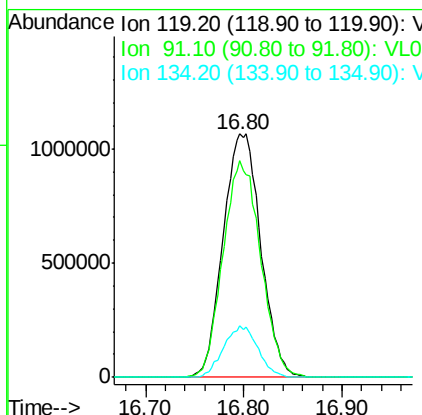
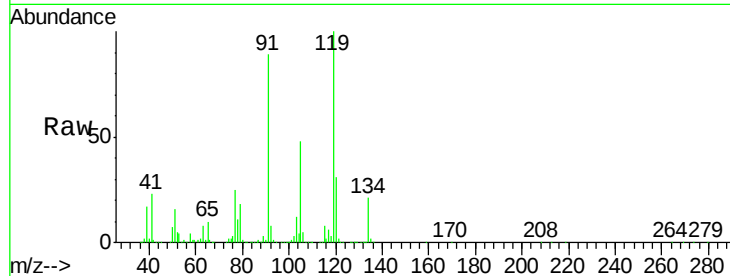
#65
 tert-Butylbenzene
 Concen: 8.877 ppbv
 RT: 16.80 min Scan# 4357
 Delta R.T. -0.02 min
 Lab File: VL034785.D
 Acq: 4 Mar 2020 7:52

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0304ABS01

Tot Ion: 119 Resp: 2837592
 Ion Ratio Lower Upper
 119 100
 91 88.8 69.8 104.6
 134 19.3 15.9 23.9

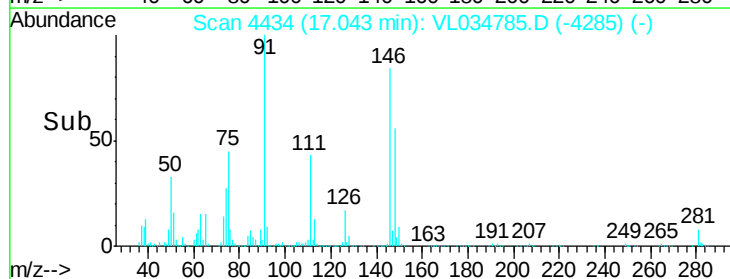
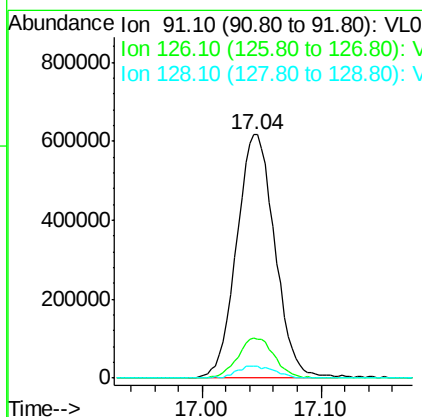
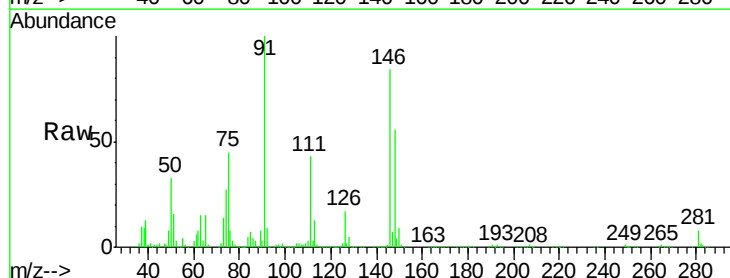
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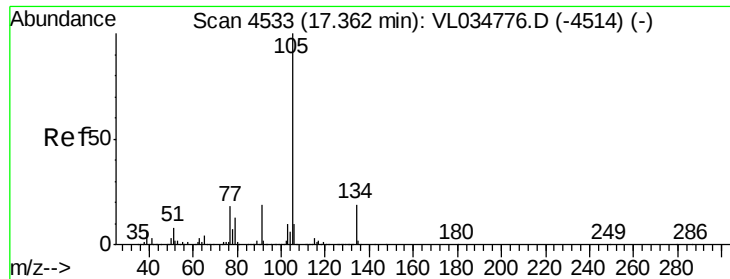
apatel
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#66
 Benzyl Chloride
 Concen: 13.196 ppbv
 RT: 17.04 min Scan# 4434
 Delta R.T. -0.02 min
 Lab File: VL034785.D
 Acq: 4 Mar 2020 7:52

Tgt Ion: 91 Resp: 1363798
 Ion Ratio Lower Upper
 91 100
 126 16.0 12.6 18.8
 128 5.2 4.3 6.5





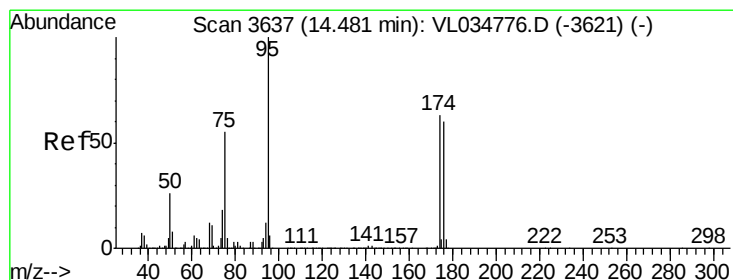
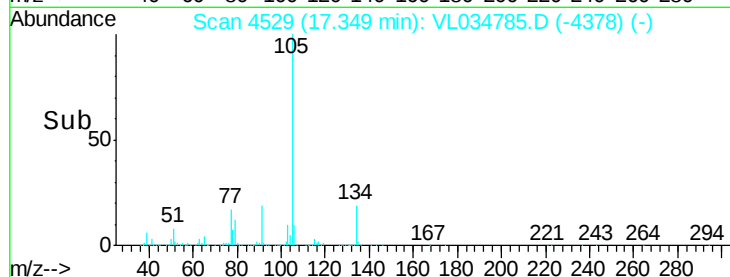
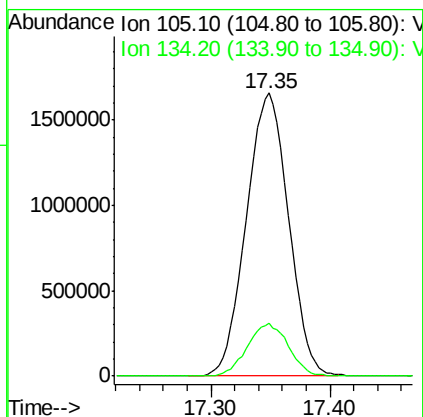
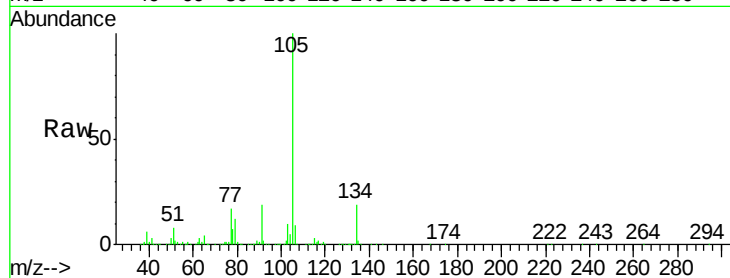
#67
 sec-Butylbenzene
 Concen: 8.741 ppbv
 RT: 17.35 min Scan# 4529
 Delta R.T. -0.01 min
 Lab File: VL034785.D
 Acq: 4 Mar 2020 7:52

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0304ABS01

Tot Ion: 105 Resp: 4071748
 Ion Ratio Lower Upper
 105 100
 134 18.2 14.7 22.1

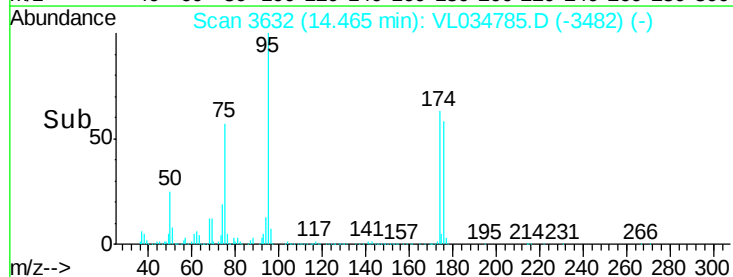
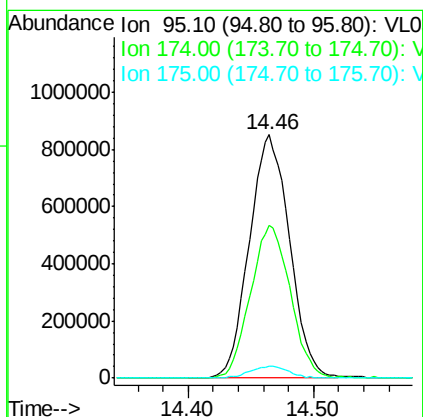
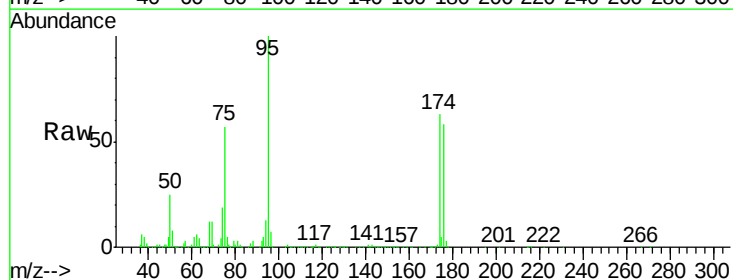
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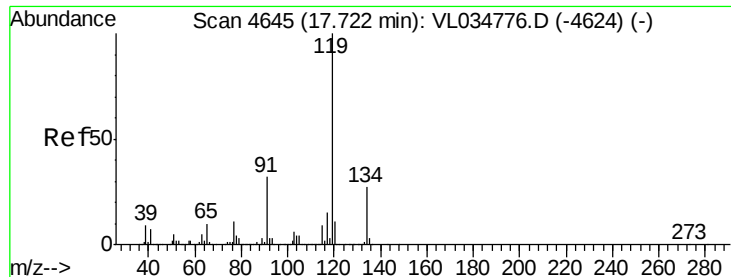
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.561 ppbv
 RT: 14.46 min Scan# 3632
 Delta R.T. -0.02 min
 Lab File: VL034785.D
 Acq: 4 Mar 2020 7:52

Tgt Ion: 95 Resp: 1898403
 Ion Ratio Lower Upper
 95 100
 174 62.3 50.6 76.0
 175 4.7 3.8 5.6





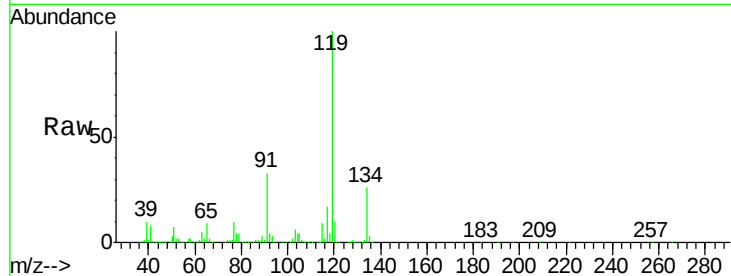
#69
 p-Isopropyltoluene
 Concen: 8.901 ppbv
 RT: 17.71 min Scan# 4640
 Delta R.T. -0.02 min
 Lab File: VL034785.D
 Acq: 4 Mar 2020 7:52

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0304ABS01

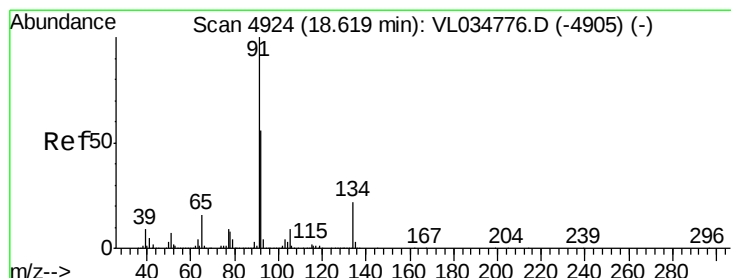
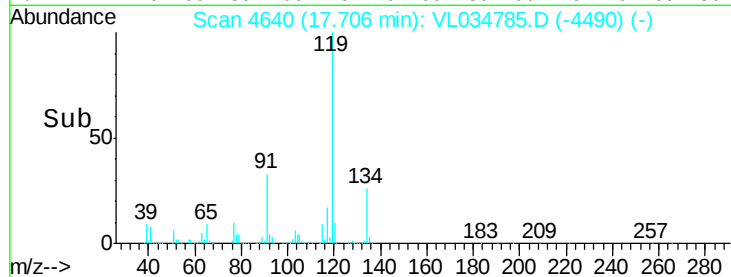
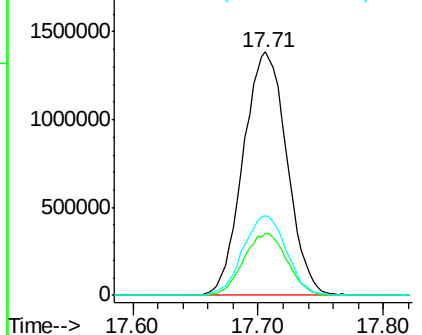
Tot Ion	Ratio	Lower	Upper
119	100		
134	25.3	20.6	30.8
91	32.6	25.3	37.9

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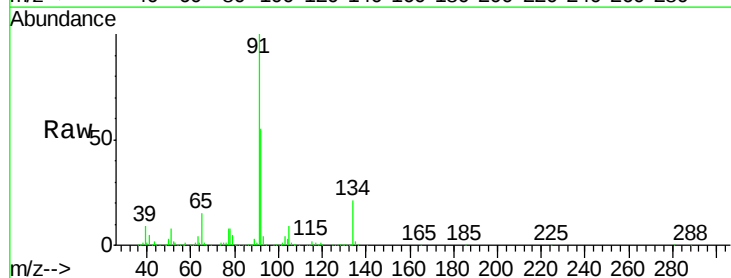


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

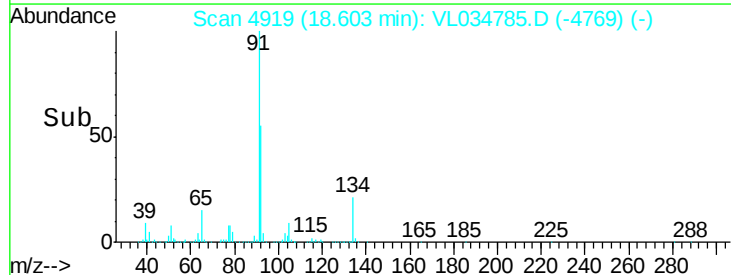
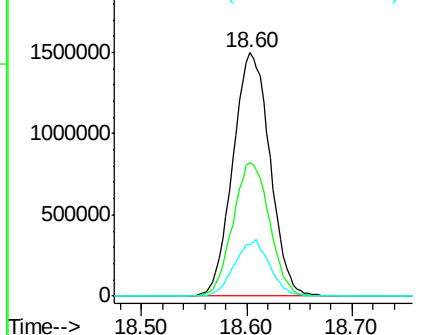


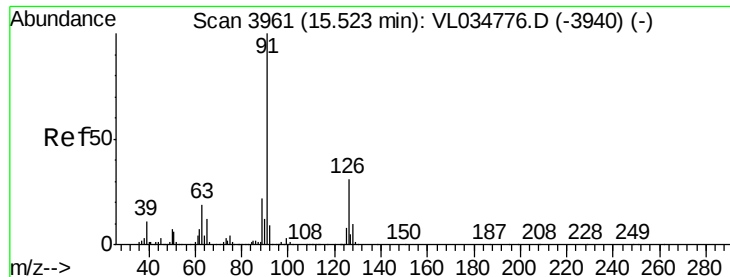
#70
 n-Butylbenzene
 Concen: 8.832 ppbv
 RT: 18.60 min Scan# 4919
 Delta R.T. -0.02 min
 Lab File: VL034785.D
 Acq: 4 Mar 2020 7:52

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.5	44.0	66.0
134	21.8	17.7	26.5



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 9.055 ppbv

RT: 15.51 min Scan# 3956

Delta R.T. -0.02 min

Lab File: VL034785.D

Acq: 4 Mar 2020 7:52

Instrument :

MSVOA_L

ClientSampleId :

VL0304ABS01

Tot Ion: 91 Resp: 2587049

Ion Ratio Lower Upper

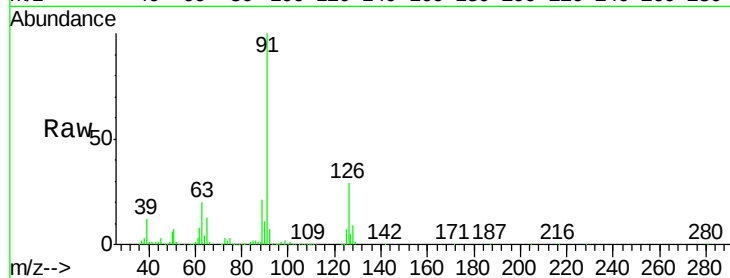
91 100

126 28.9 11.7 46.7

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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

2000000

1500000

1000000

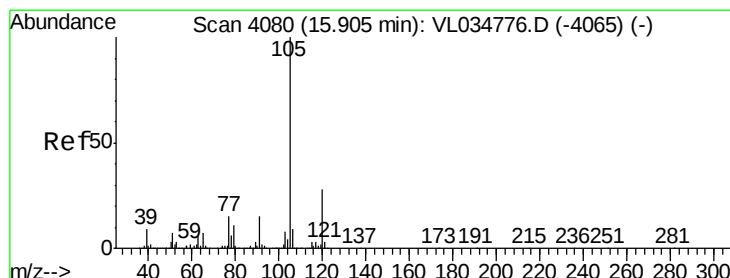
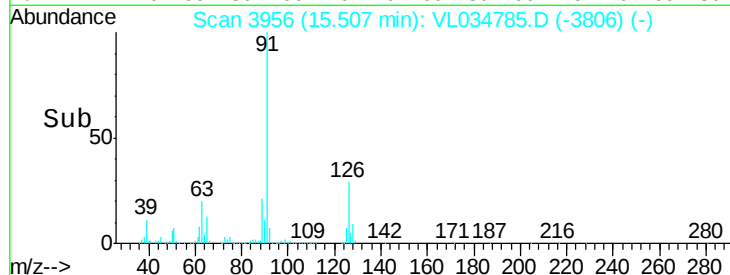
500000

0

15.40

15.50

Time-->



#72

4-Ethyltoluene

Concen: 9.478 ppbv

RT: 15.89 min Scan# 4076

Delta R.T. -0.01 min

Lab File: VL034785.D

Acq: 4 Mar 2020 7:52

Tgt Ion:105 Resp: 2712111

Ion Ratio Lower Upper

105 100

120 29.7 23.0 34.6

91 13.9 11.1 16.7

77 15.4 12.2 18.4

Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

1500000

1000000

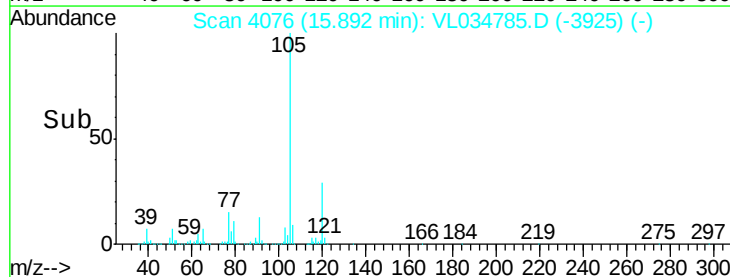
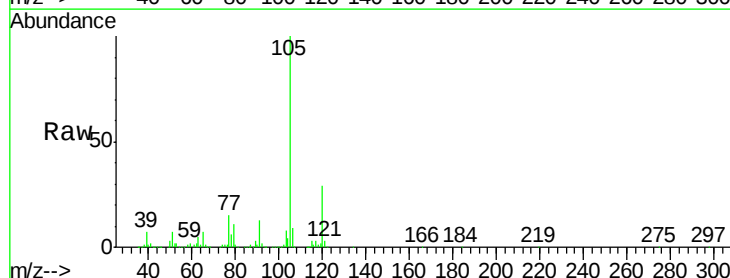
500000

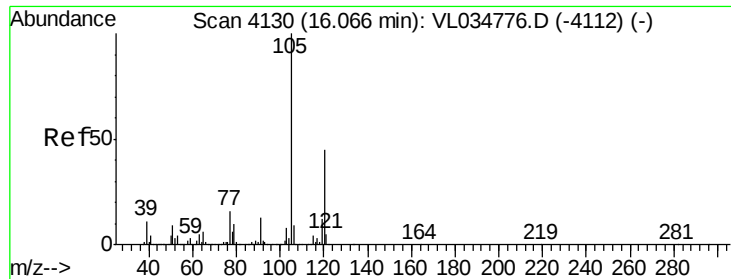
0

15.80

15.90

Time-->





#73

1,3,5-Trimethylbenzene

Concen: 9.362 ppbv

RT: 16.05 min Scan# 4125

Delta R.T. -0.02 min

Lab File: VL034785.D

Acq: 4 Mar 2020 7:52

Instrument :

MSVOA_L

ClientSampleId :

VL0304ABS01

Tot Ion:105 Resp: 2569622

Ion Ratio Lower Upper

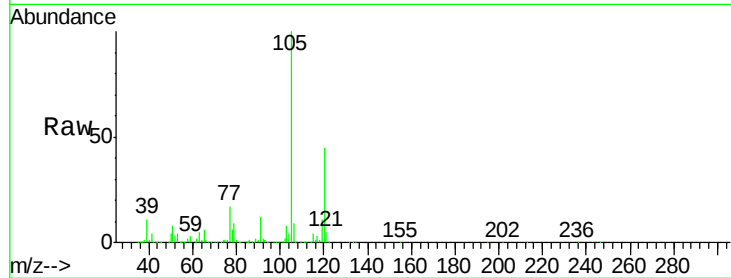
105 100

120 44.5 35.6 53.4

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

1200000

1000000

800000

600000

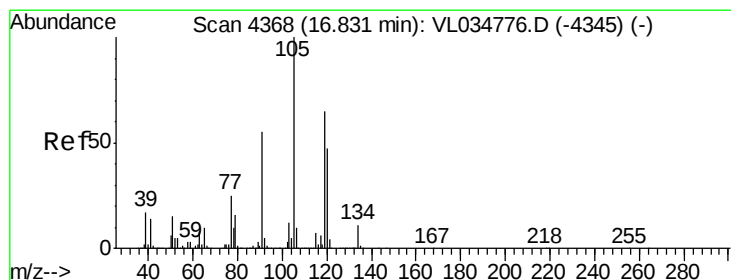
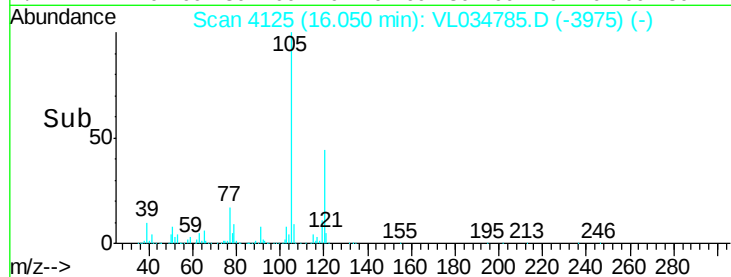
400000

200000

0

16.05

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 8.943 ppbv

RT: 16.82 min Scan# 4363

Delta R.T. -0.02 min

Lab File: VL034785.D

Acq: 4 Mar 2020 7:52

Tgt Ion:105 Resp: 2668648

Ion Ratio Lower Upper

105 100

120 45.5 37.8 56.6

91 50.7 43.8 65.8

77 23.7 19.9 29.9

Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

1500000

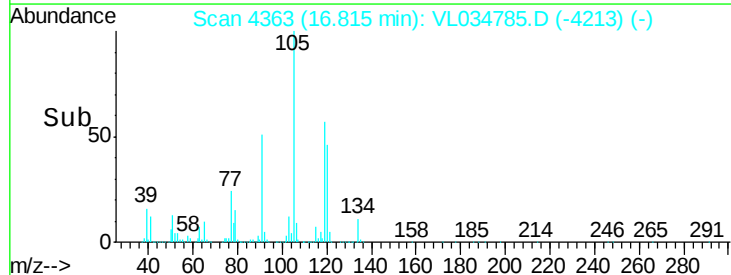
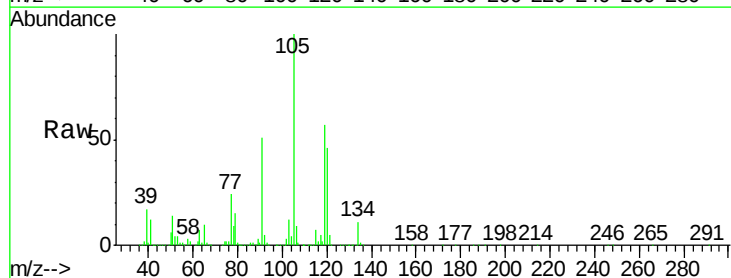
1000000

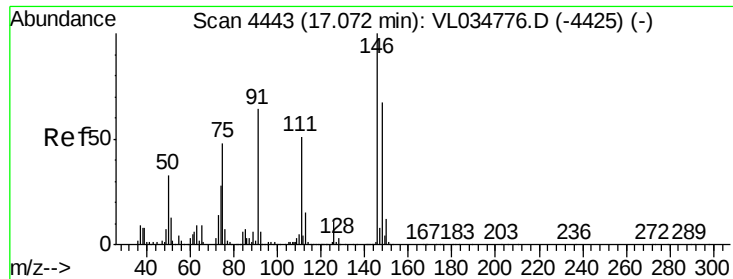
500000

0

16.82

Time-->





#75

1,3-Dichlorobenzene

Concen: 8.586 ppbv

RT: 17.05 min Scan# 4437

Delta R.T. -0.02 min

Lab File: VL034785.D

Acq: 4 Mar 2020 7:52

Instrument :

MSVOA_L

ClientSampleId :

VL0304ABS01

Tot Ion:146 Resp: 1516579

Ion Ratio Lower Upper

146 100

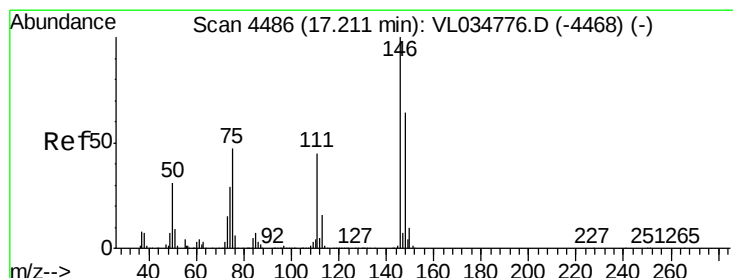
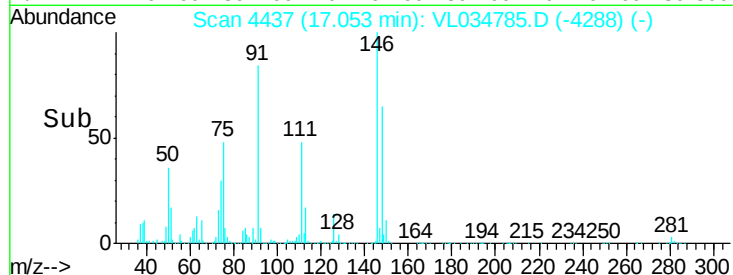
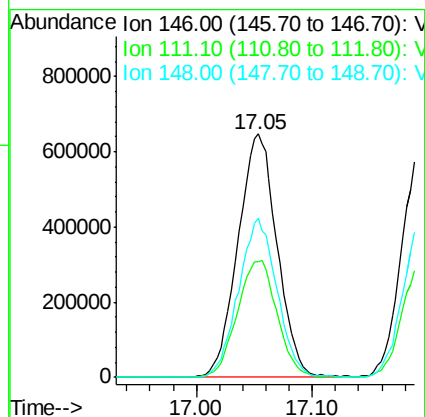
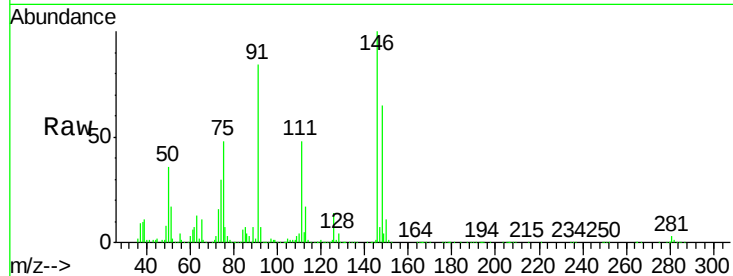
111 48.9 24.7 74.1

148 64.2 31.8 95.4

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#76

1,4-Dichlorobenzene

Concen: 8.994 ppbv

RT: 17.20 min Scan# 4482

Delta R.T. -0.01 min

Lab File: VL034785.D

Acq: 4 Mar 2020 7:52

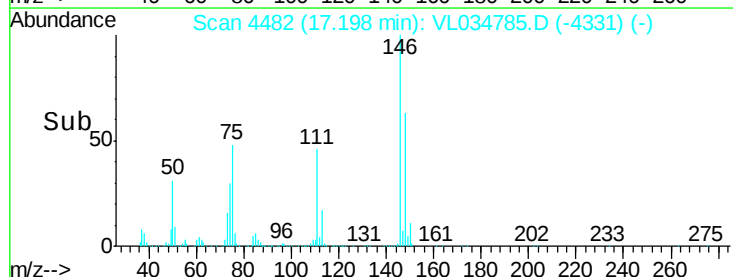
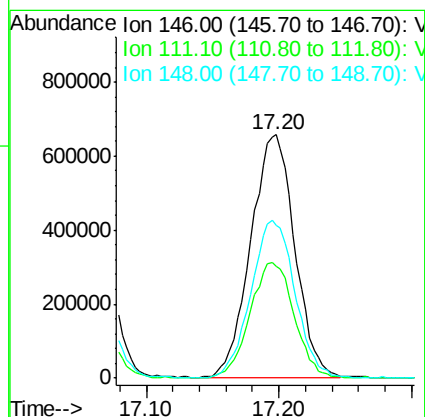
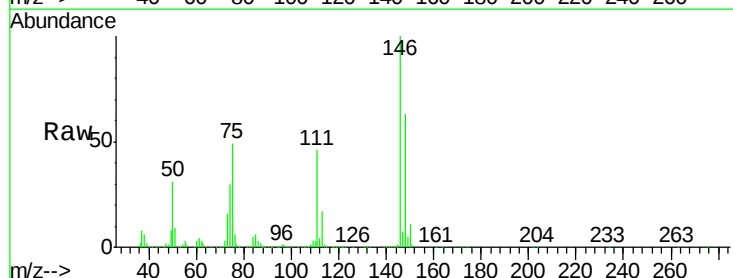
Tgt Ion:146 Resp: 1520134

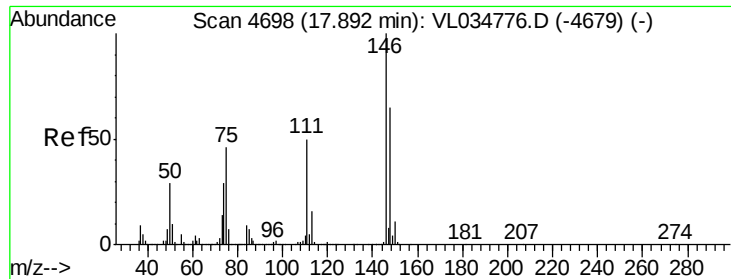
Ion Ratio Lower Upper

146 100

111 47.7 23.5 70.5

148 65.4 32.2 96.6





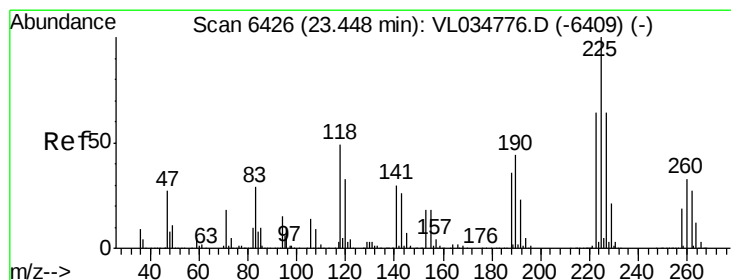
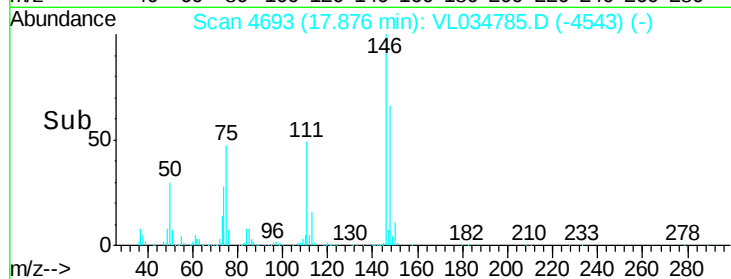
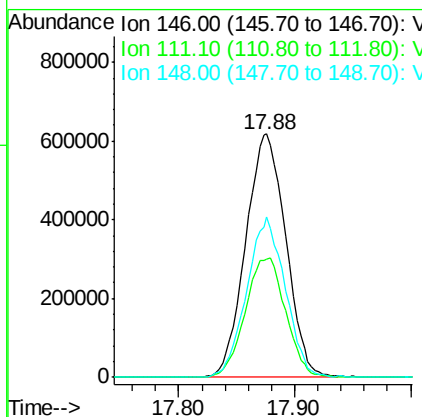
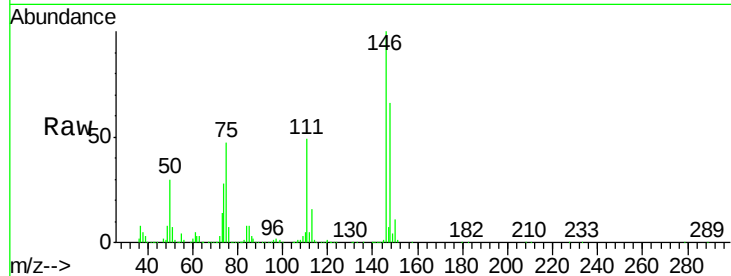
#77
 1,2-Dichlorobenzene
 Concen: 8.793 ppbv
 RT: 17.88 min Scan# 4693
 Delta R.T. -0.02 min
 Lab File: VL034785.D
 Acq: 4 Mar 2020 7:52

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0304ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	49.8	25.3	75.8
148	63.4	32.3	96.9

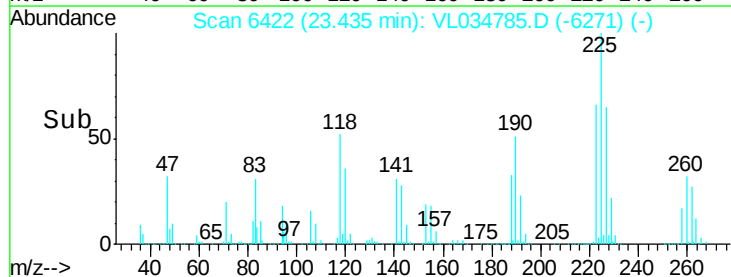
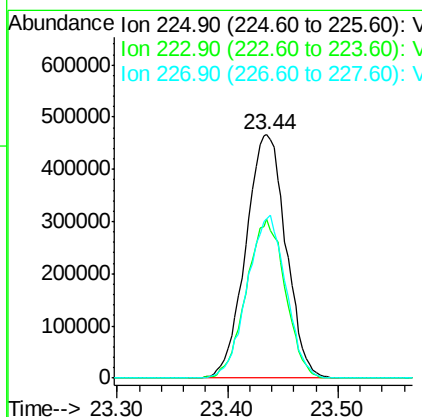
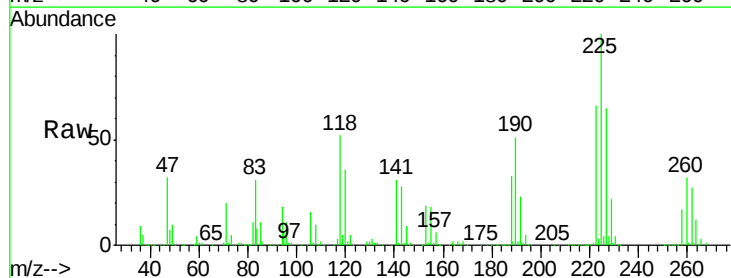
Manual Integrations
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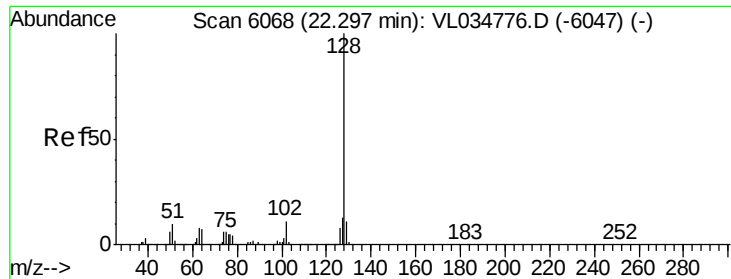
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#78
 Hexachloro-1,3-Butadiene
 Concen: 8.320 ppbv
 RT: 23.44 min Scan# 6422
 Delta R.T. -0.01 min
 Lab File: VL034785.D
 Acq: 4 Mar 2020 7:52

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	51.3	76.9
227	64.8	51.9	77.9





#79

Naphthalene

Concen: 11.239 ppbv

RT: 22.27 min Scan# 6061

Delta R.T. -0.02 min

Lab File: VL034785.D

Acq: 4 Mar 2020 7:52

Instrument :

MSVOA_L

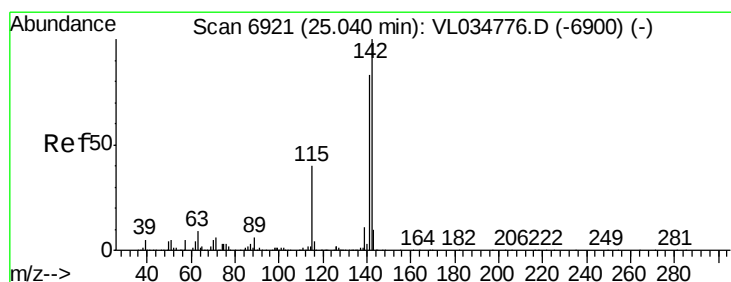
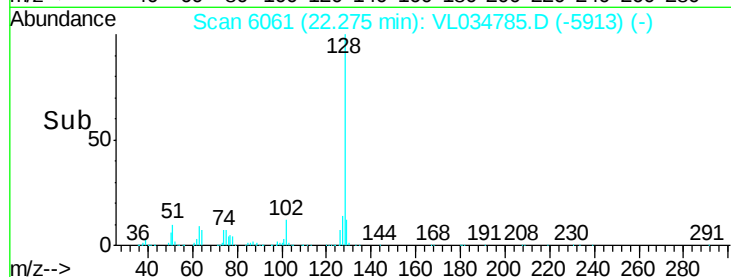
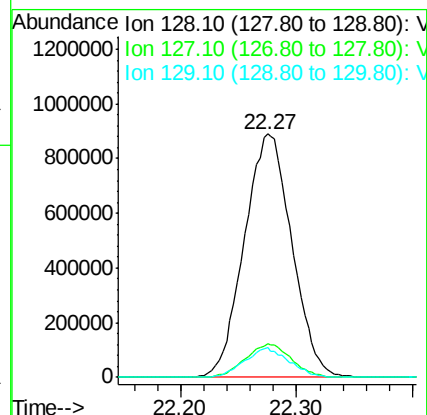
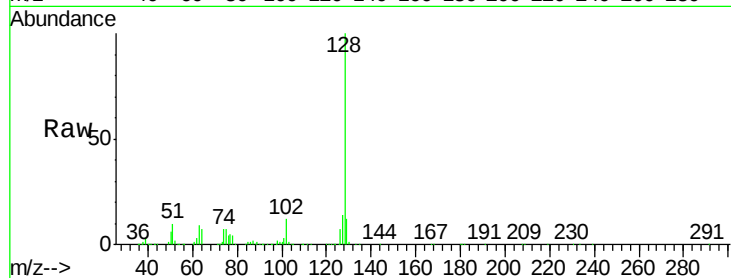
ClientSampleId :

VL0304ABS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.2	15.4
129	12.1	9.0	13.6

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#80

Naphthalene, 2-methyl-

Concen: 10.549 ppbv

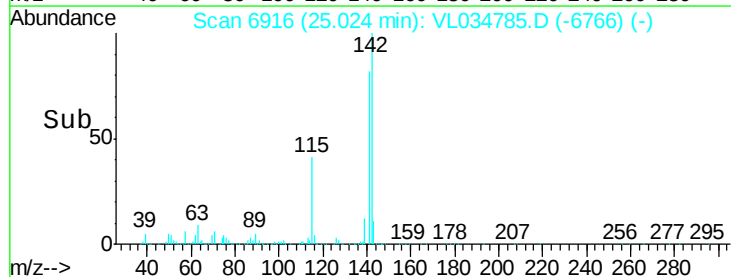
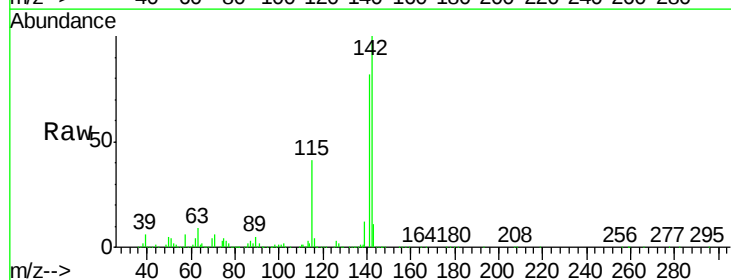
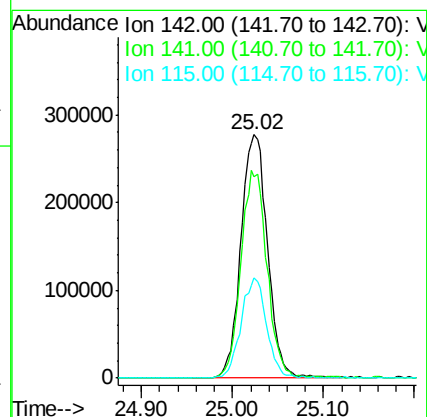
RT: 25.02 min Scan# 6916

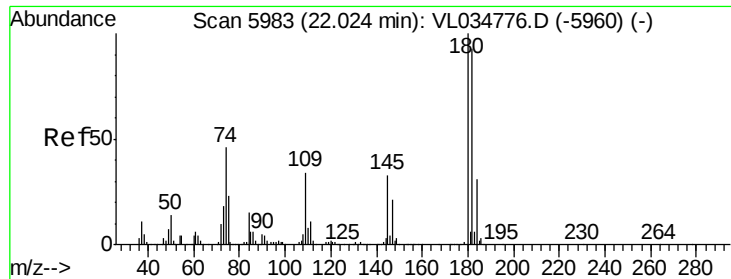
Delta R.T. -0.02 min

Lab File: VL034785.D

Acq: 4 Mar 2020 7:52

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.2	67.7	101.5
115	39.9	30.7	46.1





#81
 1,2,4-Trichlorobenzene
 Concen: 9.645 ppbv
 RT: 22.00 min Scan# 5976
 Delta R.T. -0.02 min
 Lab File: VL034785.D
 Acq: 4 Mar 2020 7:52

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0304ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.9	76.8	115.2
184	31.4	24.8	37.2

Manual Integrations
 APPROVED

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