

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030620\
 Data File : VL034821.D
 Acq On : 6 Mar 2020 19:12
 Operator : SY/AP
 Sample : VL0306ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0306ABS01

Manual Integrations
 APPROVED

MMDadoda
 3/9/2020 9:20:31 AM

Quant Time: Mar 07 08:58:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030420AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 07
 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	846068	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.19	114	1963316	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.12	117	1990121m	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.46	95	1554838	9.37	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.02	85	1244627	9.014	ppbv	100
3) Chlorodifluoromethane	2.95	51	825885	8.568	ppbv	97
4) Chloromethane	3.11	50	490644	9.450	ppbv	94
5) Vinyl Chloride	3.23	62	461169	8.408	ppbv	98
6) Bromomethane	3.45	94	265264	8.861	ppbv	89
7) Chloroethane	3.53	64	162556	8.571	ppbv	100
8) Dichlorotetrafluoroethane	3.15	85	1010046	8.421	ppbv	91
9) Propene	2.97	41	418008	11.017	ppbv	96
10) Heptane	8.14	43	1051876	10.909	ppbv	96
11) Trichlorofluoromethane	3.93	101	1040947	8.425	ppbv	93
12) 1,1,2-Trichlorotrifluoroet	4.47	101	746776	8.760	ppbv	92
13) Ethanol	3.58	45	102002	7.847	ppbv	95
14) Bromoethene	3.71	108	332599	9.509	ppbv	97
15) Acetone	3.83	43	923734	9.117	ppbv	100
16) 1,3-Butadiene	3.29	39	452280	9.866	ppbv	98
17) tert-Butyl alcohol	4.28	59	872845	10.926	ppbv	100
18) 1,1-Dichloroethene	4.27	96	340975	9.069	ppbv	99
19) Isopropyl Alcohol	3.95	45	575724	9.484	ppbv #	1
20) Methylene Chloride	4.33	84	291056	8.049	ppbv	96
21) Allyl Chloride	4.39	41	649410	10.122	ppbv	96
22) trans-1,2-Dichloroethene	4.87	96	352858	9.614	ppbv	97
23) Vinyl Acetate	5.07	43	1522982	11.210	ppbv #	98
24) 1,1-Dichloroethane	5.00	63	953620	9.043	ppbv	98
25) Ethyl Acetate	5.67	43	1725459	9.855	ppbv	100
26) Hexane	5.68	57	752208	9.835	ppbv	97
27) Carbon Disulfide	4.54	76	941805	10.540	ppbv	100
28) Methyl tert-Butyl Ether	5.02	73	1283092	11.271	ppbv	100
29) Chloroform	5.75	83	1097459	8.524	ppbv	98
30) Cyclohexane	7.14	84	639483	10.929	ppbv	100
31) cis-1,2-Dichloroethene	5.55	61	781080	9.956	ppbv	99
32) 1,1,1-Trichloroethane	6.52	97	1101618	8.659	ppbv	96
34) 2-Butanone	5.24	43	1170599	9.165	ppbv	99
35) Carbon Tetrachloride	7.03	117	1147439	7.745	ppbv	98
36) Benzene	6.90	78	1558171	9.288	ppbv	98
37) 1,2-Dichloroethane	6.31	62	845974	7.382	ppbv #	97
38) Trichloroethene	7.85	130	592503	9.061	ppbv	94
39) 1,2-Dichloropropane	7.63	63	613358	9.059	ppbv	95
40) 1,4-Dioxane	7.85	88	214460	9.158	ppbv #	94
41) Tetrahydrofuran	6.05	42	678954	10.418	ppbv	96
42) Bromodichloromethane	7.81	83	1206955	8.324	ppbv	100
43) Methyl Methacrylate	8.03	69	684634	9.630	ppbv	95

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Manual Integrations
 APPROVED

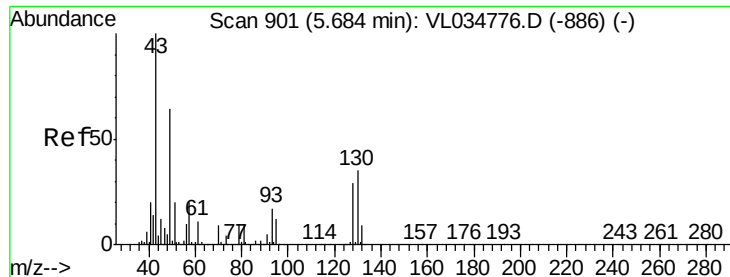
MMDadoda
 3/9/2020 9:20:31 AM

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030420AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 0
 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	7.88	57	2636481	8.993	ppbv	99
45) t-1,3-Dichloropropene	9.30	75	870789	11.668	ppbv	98
46) cis-1,3-Dichloropropene	8.73	75	987485	10.836	ppbv	96
47) 1,1,2-Trichloroethane	9.50	97	610220	8.537	ppbv	89
48) Dibromochloromethane	10.34	129	1084849	9.706	ppbv	99
49) Bromoform	13.08	173	961637	9.859	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	1718646	9.391	ppbv	98
51) 2-Hexanone	10.16	43	1410511	9.825	ppbv #	99
52) Tetrachloroethene	11.25	164	578926	9.340	ppbv	96
53) Toluene	9.83	91	1790268	10.083	ppbv	100
54) 1,2-Dibromoethane	10.65	107	938158	8.876	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.16	131	786498	8.919	ppbv	95
57) Chlorobenzene	12.18	112	1321426	8.692	ppbv	97
58) Ethyl Benzene	12.75	91	2354911	9.602	ppbv	96
59) m/p-Xylene	13.03	91	3790770m	17.856	ppbv	
60) o-Xylene	13.73	91	1831896	8.528	ppbv	97
61) Styrene	13.57	104	1419239	10.651	ppbv	97
62) Isopropylbenzene	14.71	105	2807967	8.882	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.72	83	1228374	7.254	ppbv	100
64) n-propylbenzene	15.61	120	739321	9.327	ppbv	92
65) tert-Butylbenzene	16.79	119	2446440	9.157	ppbv	93
66) Benzyl Chloride	17.03	91	1328701	15.383	ppbv	95
67) sec-Butylbenzene	17.34	105	3411601	8.763	ppbv	100
69) p-Isopropyltoluene	17.70	119	2922781	9.277	ppbv	97
70) n-Butylbenzene	18.60	91	2942785	8.542	ppbv	98
71) 2-Chlorotoluene	15.50	91	2087291	8.742	ppbv	96
72) 4-Ethyltoluene	15.89	105	2243628	9.381	ppbv	97
73) 1,3,5-Trimethylbenzene	16.04	105	2098875	9.149	ppbv	96
74) 1,2,4-Trimethylbenzene	16.81	105	2142393	8.591	ppbv #	90
75) 1,3-Dichlorobenzene	17.05	146	1271774	8.615	ppbv	97
76) 1,4-Dichlorobenzene	17.19	146	1290649	9.136	ppbv	99
77) 1,2-Dichlorobenzene	17.87	146	1272106	9.008	ppbv	97
78) Hexachloro-1,3-Butadiene	23.43	225	1138906	9.663	ppbv	99
79) Naphthalene	22.27	128	2283469	12.184	ppbv	98
80) Naphthalene,2-methyl-	25.02	142	872234	19.486	ppbv	99
81) 1,2,4-Trichlorobenzene	22.00	180	1312583	11.079	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.02 min

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MSVOA_L

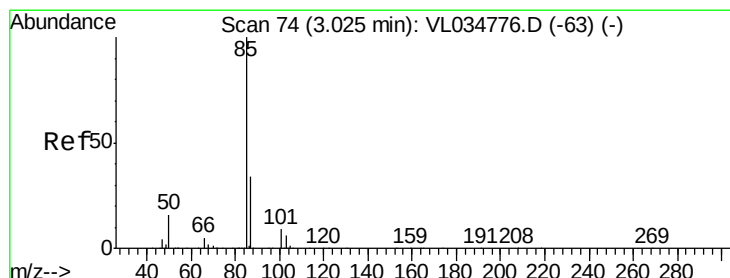
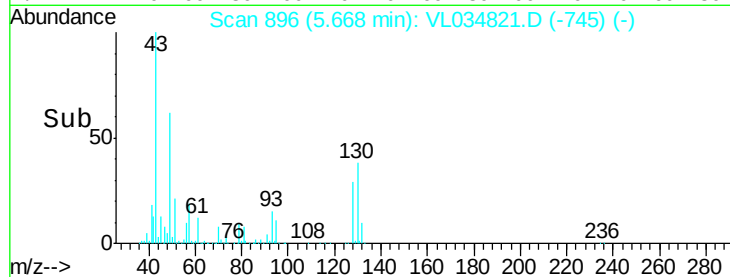
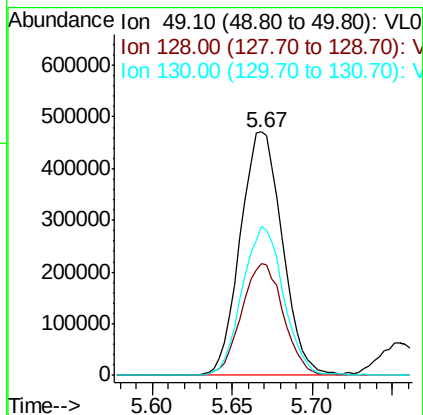
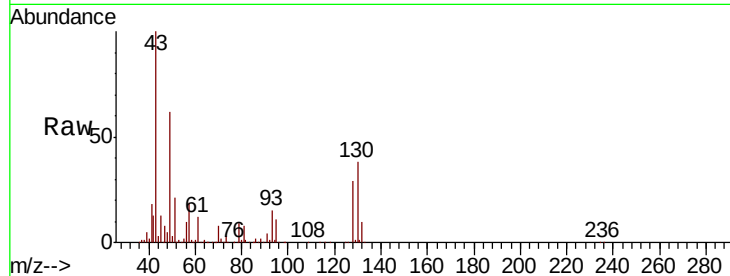
ClientSampleId :

VL0306ABS01

Tot Ion:	49	Resp:	846068
Ion	Ratio	Lower	Upper
49	100		
128	46.0	21.6	64.6
130	60.5	27.4	82.2

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#2

Dichlorodifluoromethane

Concen: 9.014 ppbv

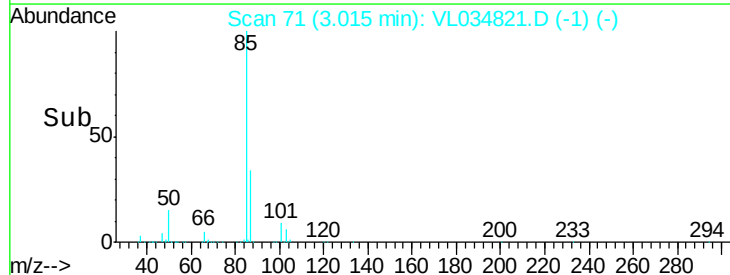
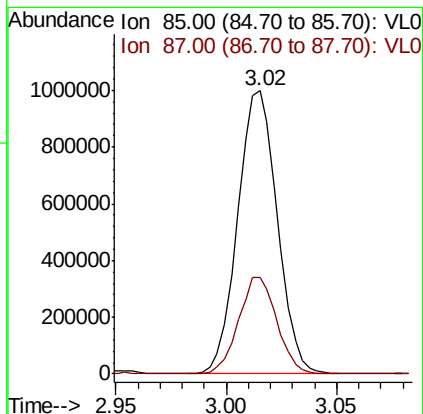
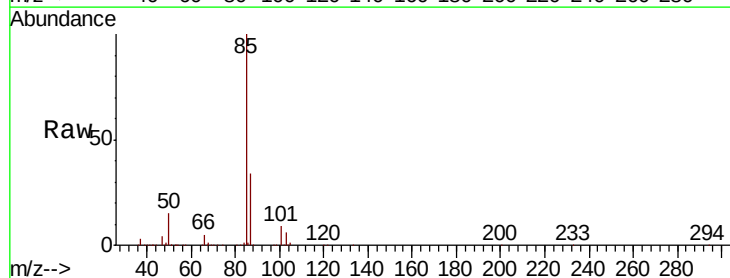
RT: 3.02 min Scan# 71

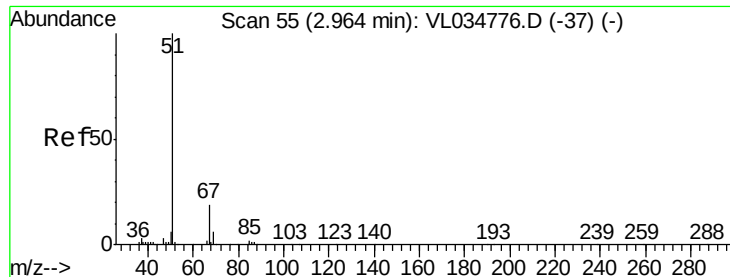
Delta R.T. -0.01 min

Lab File: VL034821.D

Acq: 6 Mar 2020 19:12

Tgt Ion:	85	Resp:	1244627
Ion	Ratio	Lower	Upper
85	100		
87	34.0	27.2	40.8





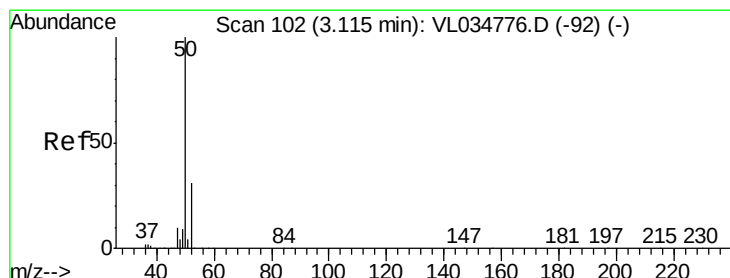
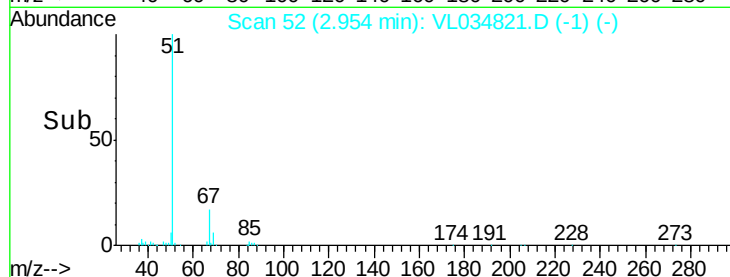
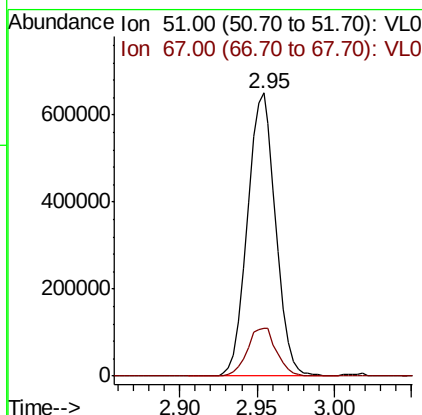
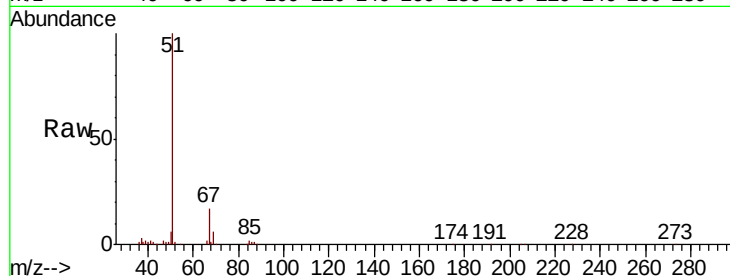
#3
Chlorodifluoromethane
Concen: 8.568 ppbv
RT: 2.95 min Scan# 52
Delta R.T. -0.01 min
Lab File: VL034821.D
Acq: 6 Mar 2020 19:12

Instrument :
MSVOA_L
ClientSampleId :
VL0306ABS01

Tot Ion	Ratio	Lower	Upper
51	100		
67	17.6	15.3	22.9

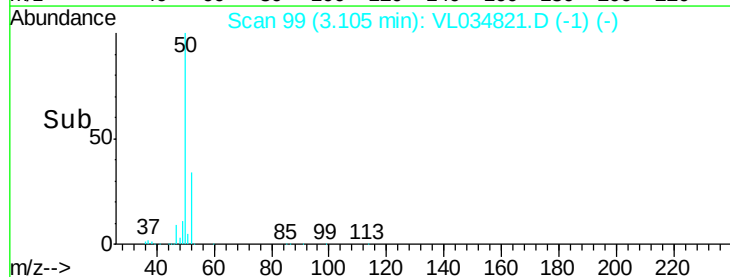
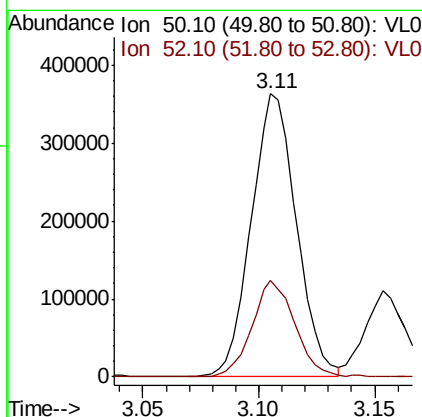
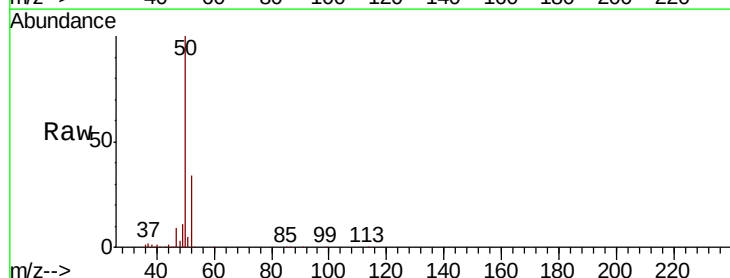
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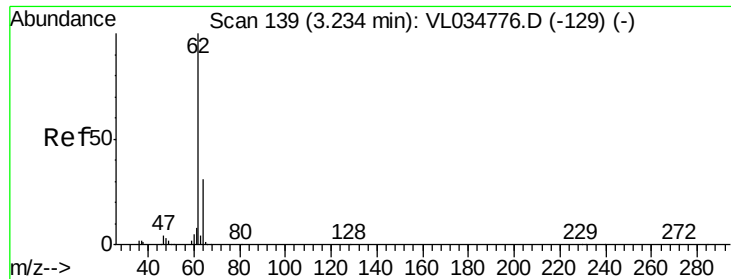
MMDadoda
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#4
Chloromethane
Concen: 9.450 ppbv
RT: 3.11 min Scan# 99
Delta R.T. -0.01 min
Lab File: VL034821.D
Acq: 6 Mar 2020 19:12

Tgt Ion	Ratio	Lower	Upper
50	100		
52	34.3	25.0	37.4





#5

Vinyl Chloride

Concen: 8.408 ppbv

RT: 3.23 min Scan# 137

Delta R.T. -0.01 min

Lab File: VL034821.D

Acq: 6 Mar 2020 19:12

Instrument :

MSVOA_L

ClientSampleId :

VL0306ABS01

Tot Ion: 62 Resp: 461169

Ion Ratio Lower Upper

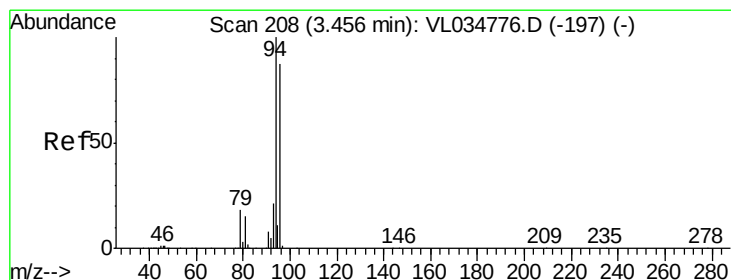
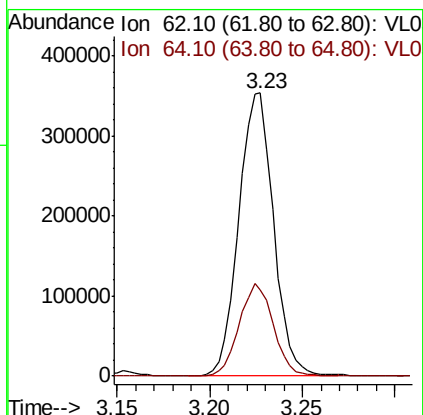
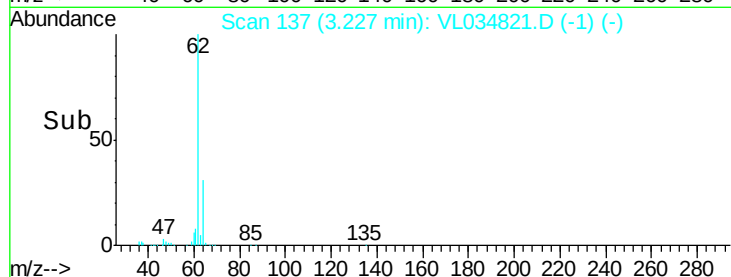
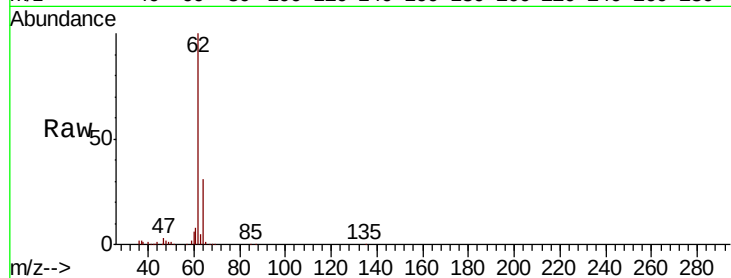
62 100

64 30.5 25.1 37.7

Manual Integrations
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#6

Bromomethane

Concen: 8.861 ppbv

RT: 3.45 min Scan# 205

Delta R.T. -0.01 min

Lab File: VL034821.D

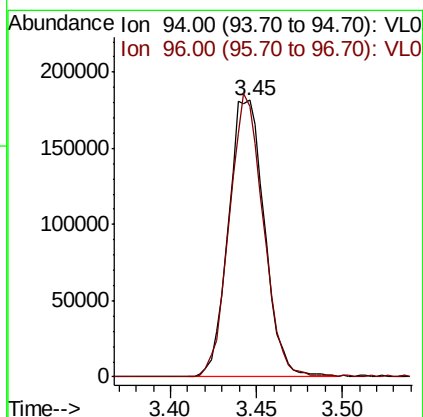
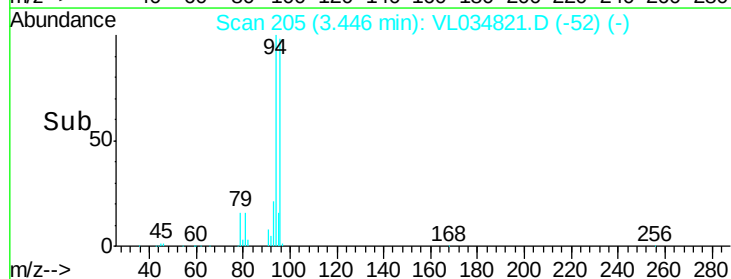
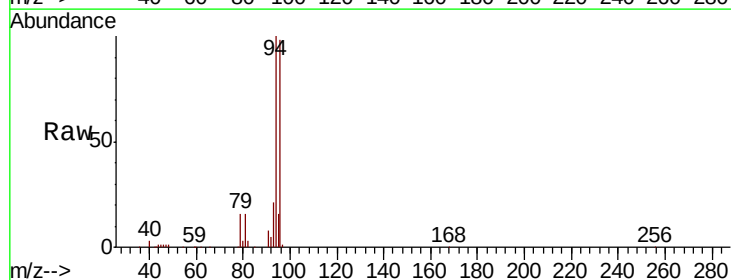
Acq: 6 Mar 2020 19:12

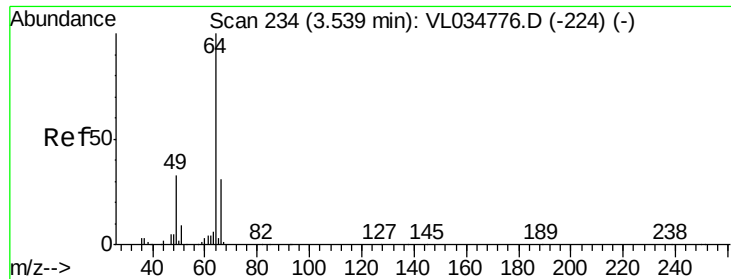
Tgt Ion: 94 Resp: 265264

Ion Ratio Lower Upper

94 100

96 97.7 70.0 105.0





#7

Chloroethane

Concen: 8.571 ppbv

RT: 3.53 min Scan# 231

Delta R.T. -0.01 min

Lab File: VL034821.D

Acq: 6 Mar 2020 19:12

Instrument :

MSVOA_L

ClientSampleId :

VL0306ABS01

Tot Ion: 64 Resp: 162556

Ion Ratio Lower Upper

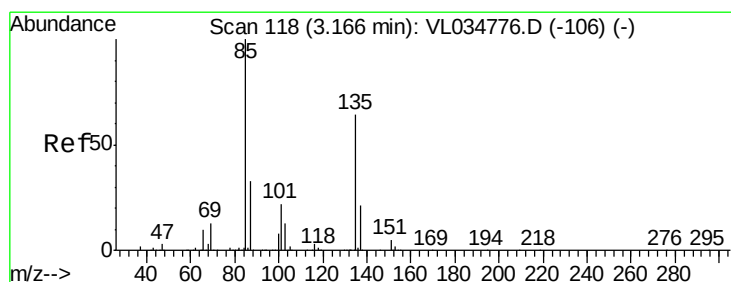
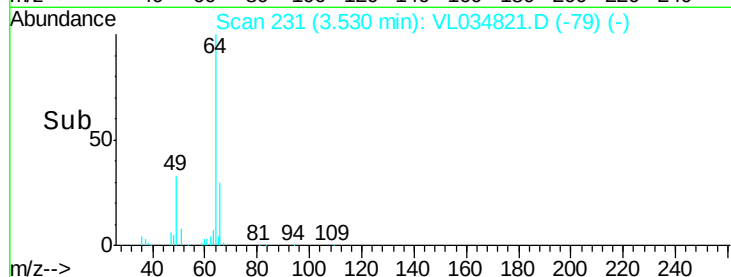
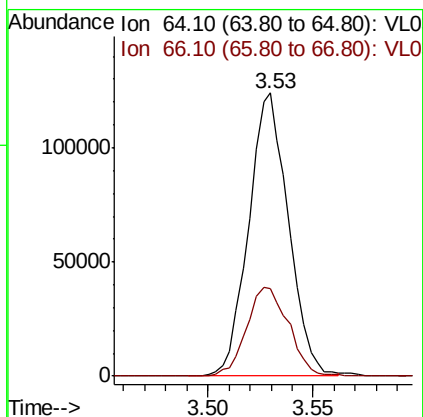
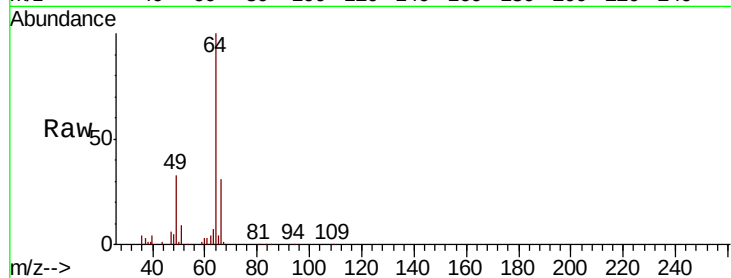
64 100

66 30.8 24.8 37.2

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#8

Dichlorotetrafluoroethane

Concen: 8.421 ppbv

RT: 3.15 min Scan# 114

Delta R.T. -0.01 min

Lab File: VL034821.D

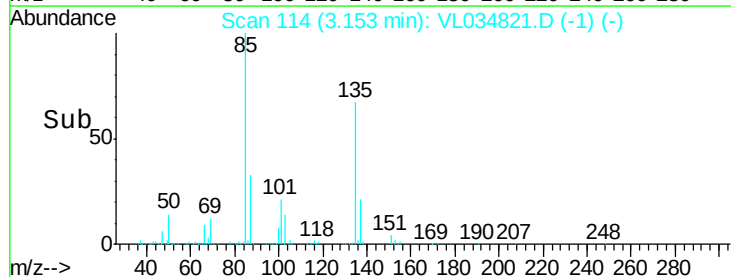
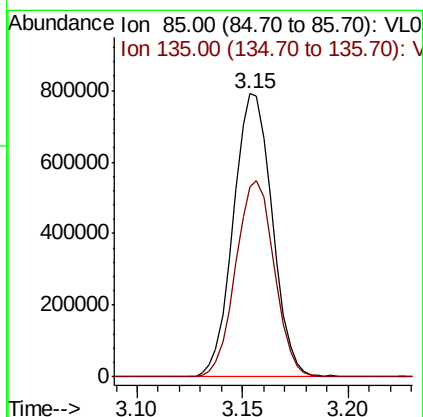
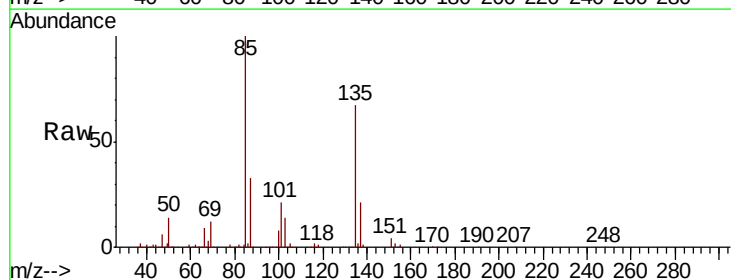
Acq: 6 Mar 2020 19:12

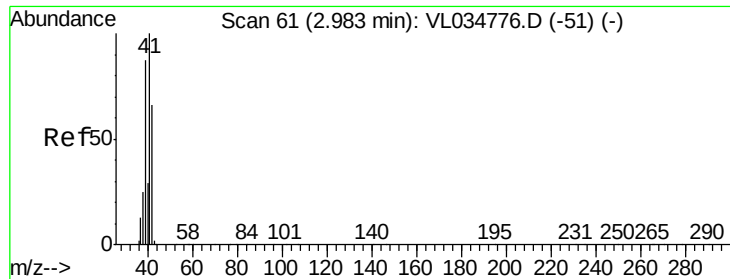
Tgt Ion: 85 Resp: 1010046

Ion Ratio Lower Upper

85 100

135 69.0 49.4 74.2





#9

Propene

Concen: 11.017 ppbv

RT: 2.97 min Scan# 58

Delta R.T. -0.01 min

Lab File: VL034821.D

Acq: 6 Mar 2020 19:12

Instrument :

MSVOA_L

ClientSampleId :

VL0306ABS01

Tot Ion: 41 Resp: 418008

Ion Ratio Lower Upper

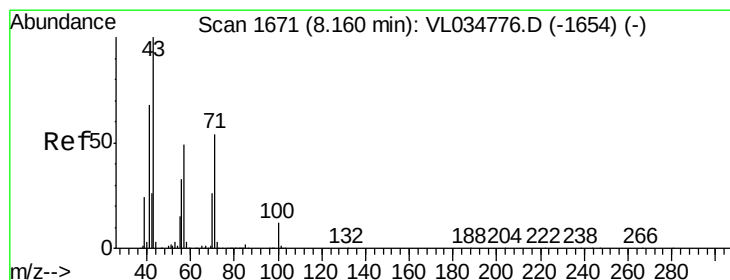
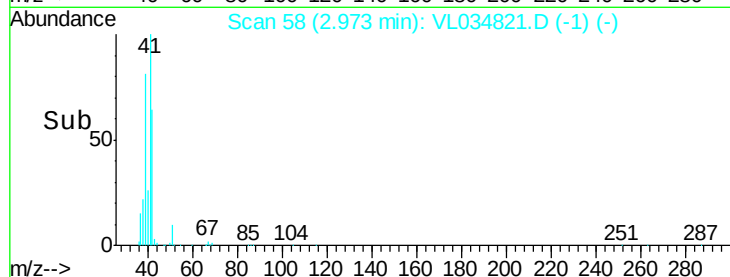
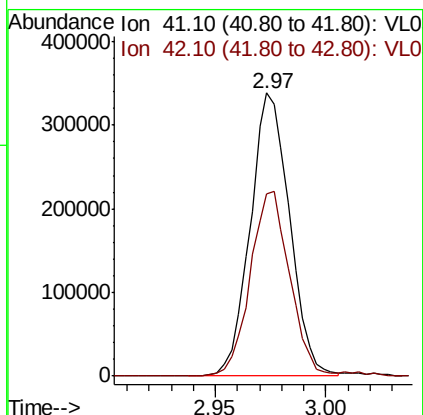
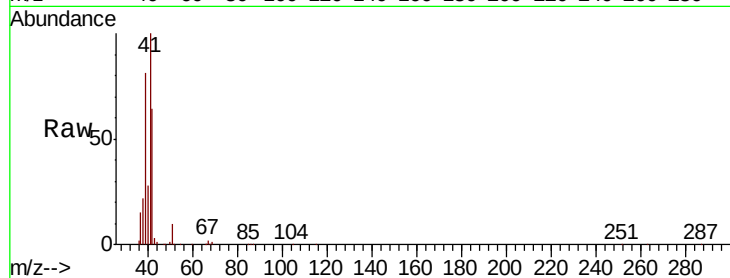
41 100

42 66.5 55.6 83.4

Manual Integrations
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#10

Heptane

Concen: 10.909 ppbv

RT: 8.14 min Scan# 1665

Delta R.T. -0.02 min

Lab File: VL034821.D

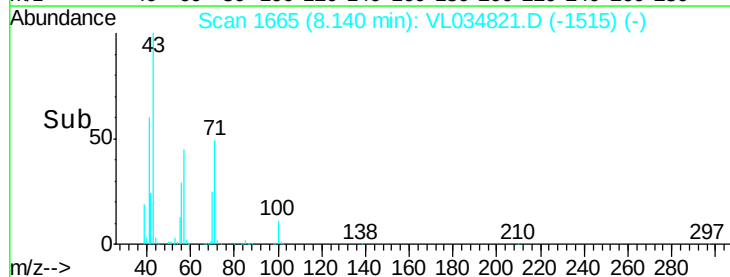
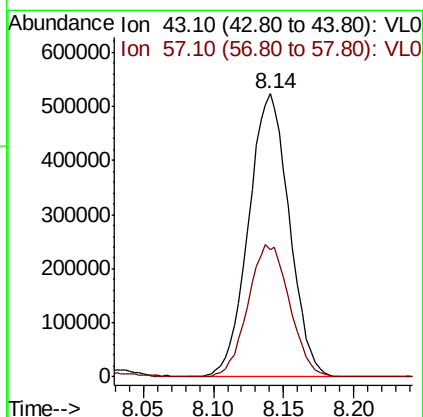
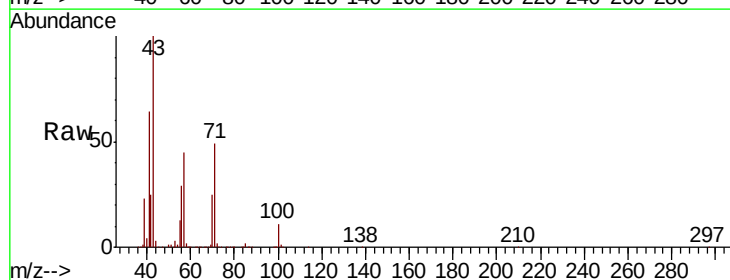
Acq: 6 Mar 2020 19:12

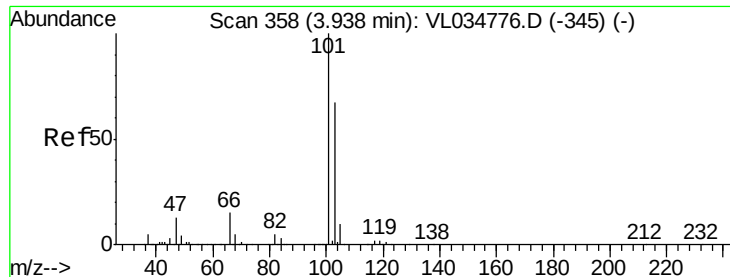
Tgt Ion: 43 Resp: 1051876

Ion Ratio Lower Upper

43 100

57 48.2 40.5 60.7





#11

Trichlorofluoromethane

Concen: 8.425 ppbv

RT: 3.93 min Scan# 354

Delta R.T. -0.01 min

Lab File: VL034821.D

Acq: 6 Mar 2020 19:12

Instrument :

MSVOA_L

ClientSampleId :

VL0306ABS01

Tot Ion:101 Resp: 1040947

Ion Ratio Lower Upper

101 100

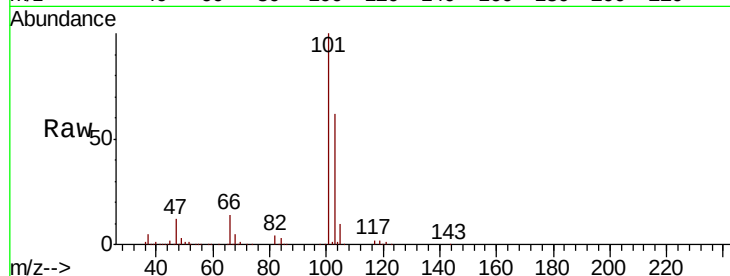
103 61.6 53.6 80.4

Manual Integrations

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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

3.93

800000

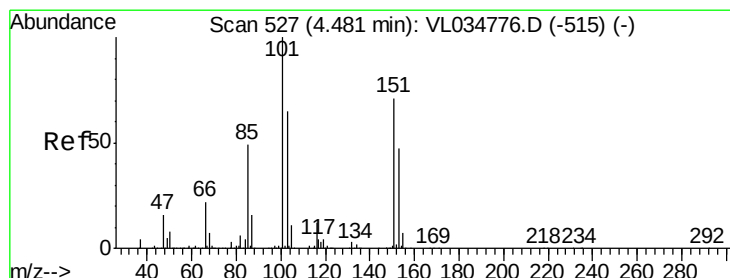
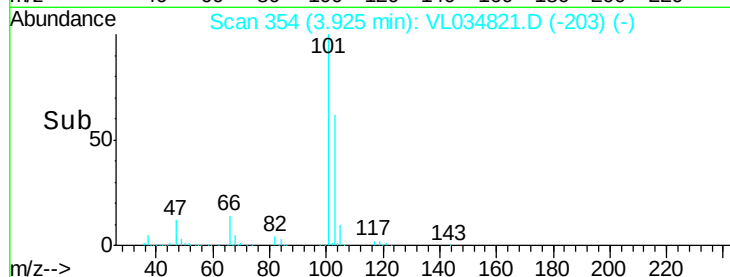
600000

400000

200000

0

Time--> 3.85 3.90 3.95



#12

1,1,2-Trichlorotrifluoroethane

Concen: 8.760 ppbv

RT: 4.47 min Scan# 524

Delta R.T. -0.01 min

Lab File: VL034821.D

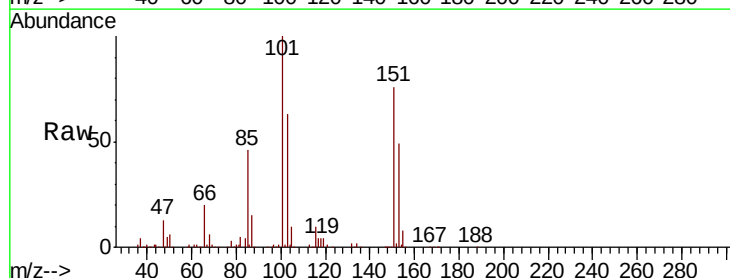
Acq: 6 Mar 2020 19:12

Tgt Ion:101 Resp: 746776

Ion Ratio Lower Upper

101 100

151 77.8 56.6 85.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

4.47

500000

400000

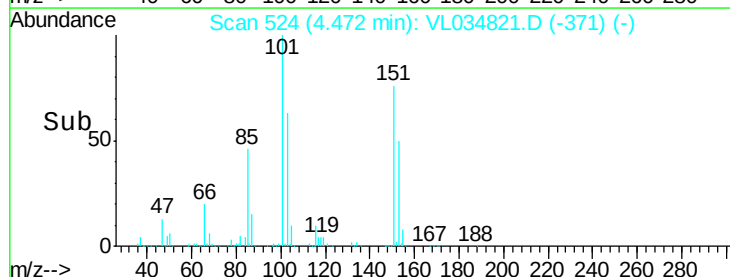
300000

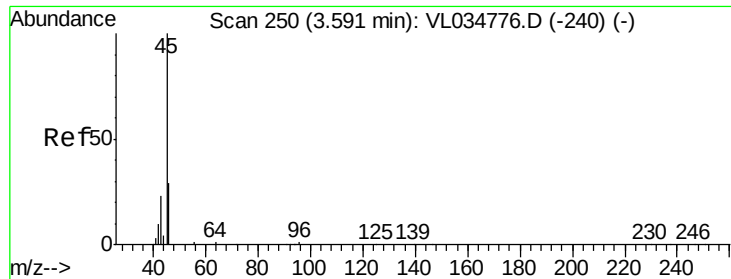
200000

100000

0

Time--> 4.40 4.45 4.50





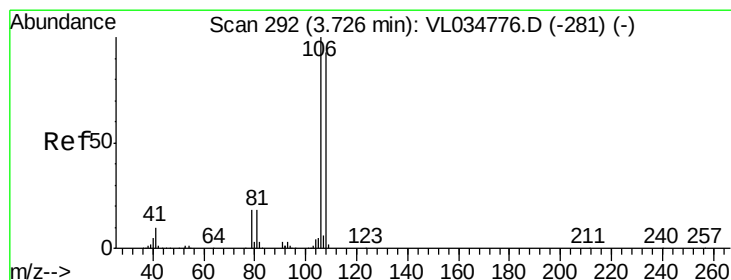
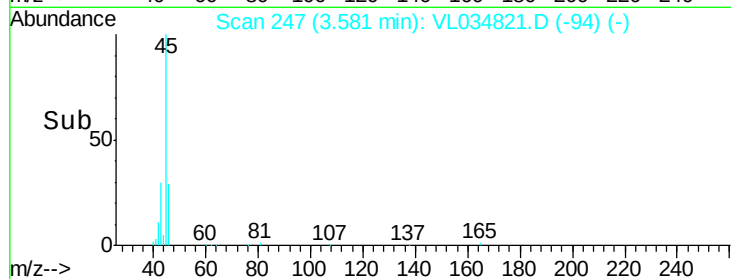
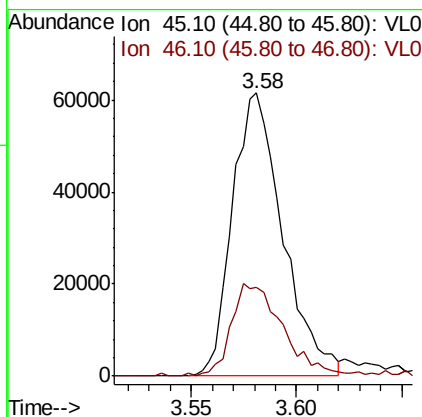
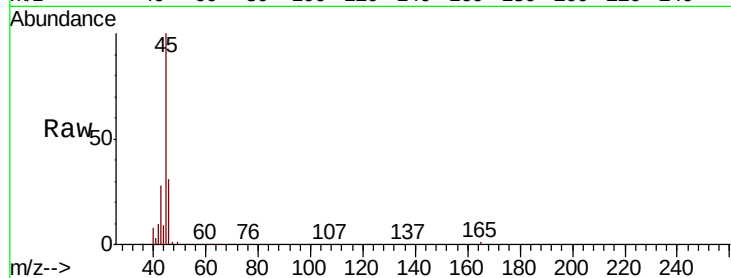
#13
Ethanol
Concen: 7.847 ppbv
RT: 3.58 min Scan# 247
Delta R.T. -0.01 min
Lab File: VL034821.D
Acq: 6 Mar 2020 19:12

Instrument :
MSVOA_L
ClientSampleId :
VL0306ABS01

Tot Ion	45	Resp	102002
Ion Ratio	100	Lower	Upper
46	33.6	14.7	58.9

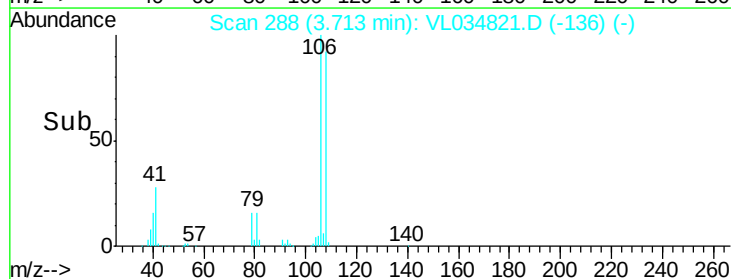
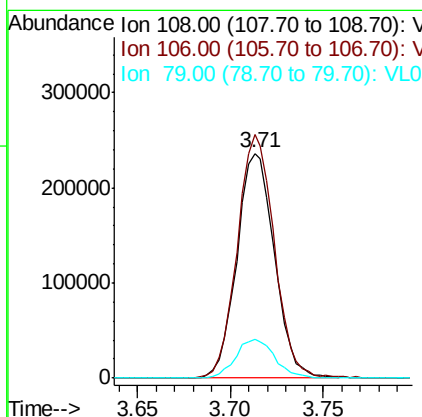
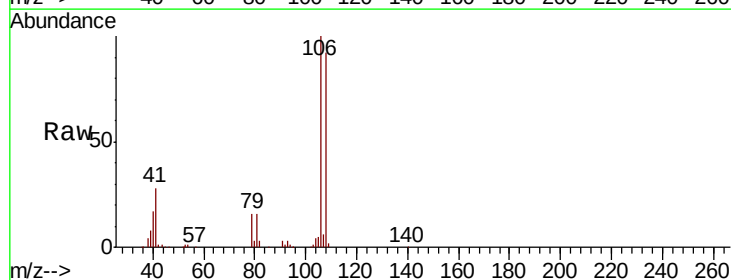
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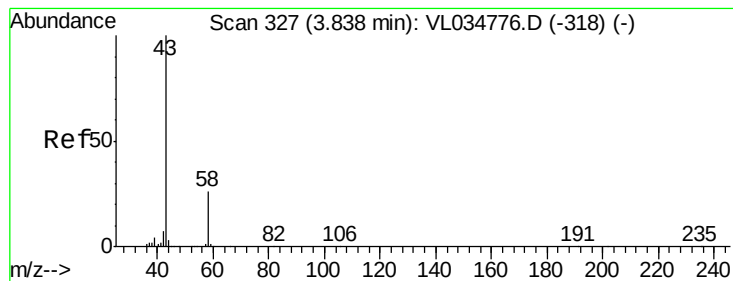
MMDadoda
3/9/2020 9:20:31 AM



#14
Bromoethene
Concen: 9.509 ppbv
RT: 3.71 min Scan# 288
Delta R.T. -0.01 min
Lab File: VL034821.D
Acq: 6 Mar 2020 19:12

Tgt Ion	108	Resp	332599
Ion Ratio	100	Lower	Upper
106	107.0	83.5	125.3
79	17.8	15.6	23.4





#15

Acetone

Concen: 9.117 ppbv

RT: 3.83 min Scan# 323

Delta R.T. -0.01 min

Lab File: VL034821.D

Acq: 6 Mar 2020 19:12

Instrument :

MSVOA_L

ClientSampleId :

VL0306ABS01

Tot Ion: 43 Resp: 923734

Ion Ratio Lower Upper

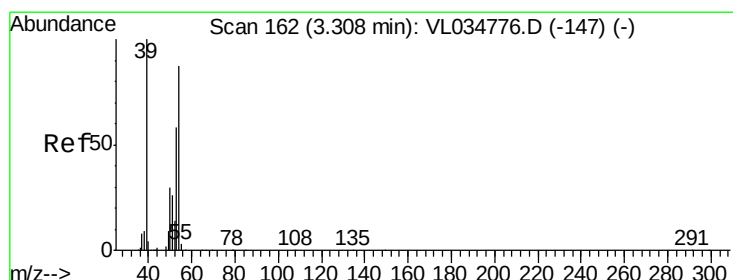
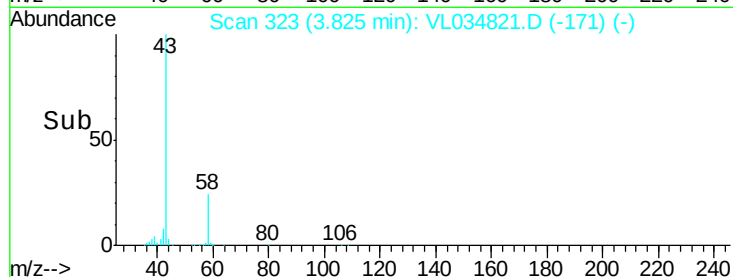
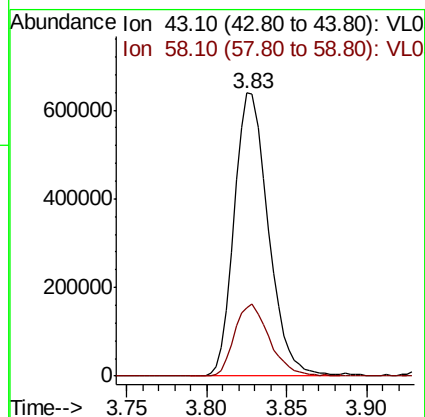
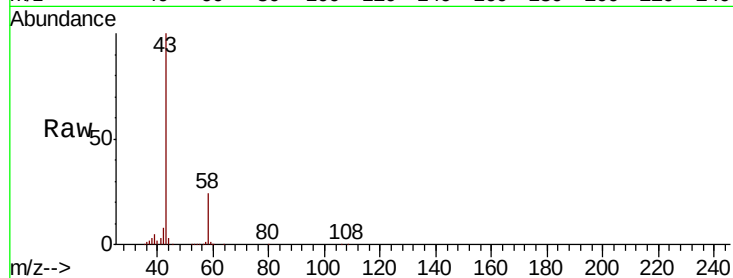
43 100

58 26.3 21.0 31.6

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#16

1,3-Butadiene

Concen: 9.866 ppbv

RT: 3.29 min Scan# 158

Delta R.T. -0.01 min

Lab File: VL034821.D

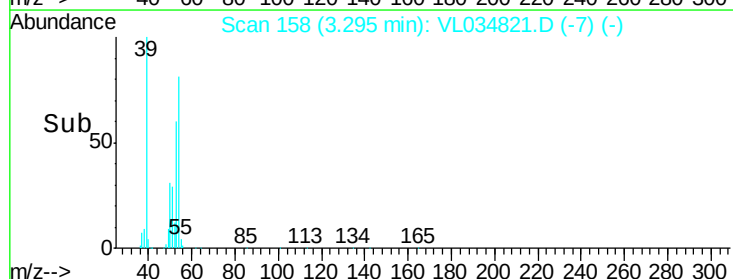
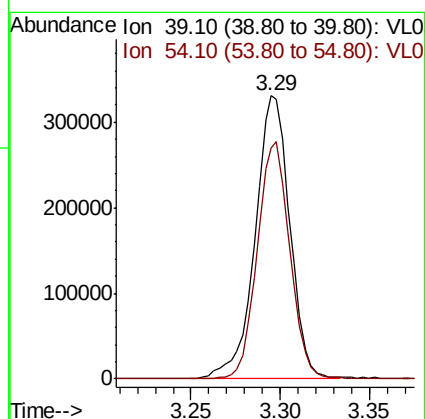
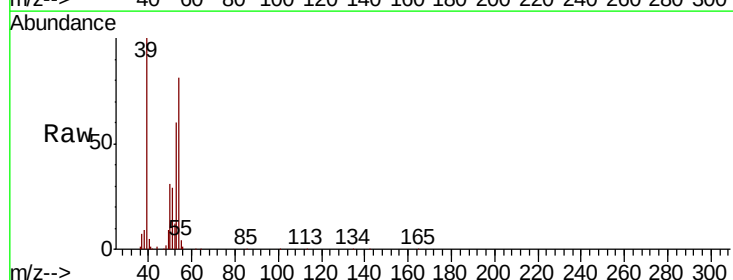
Acq: 6 Mar 2020 19:12

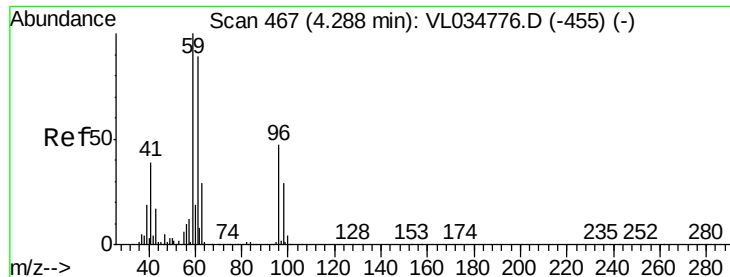
Tgt Ion: 39 Resp: 452280

Ion Ratio Lower Upper

39 100

54 78.7 64.2 96.2





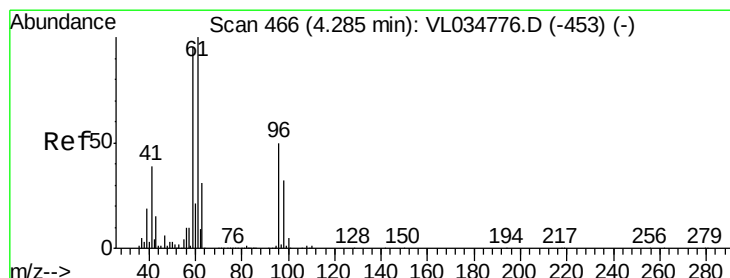
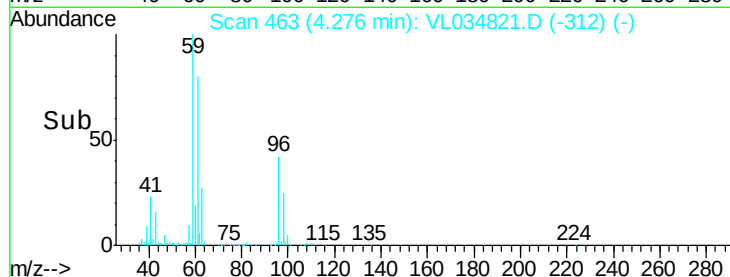
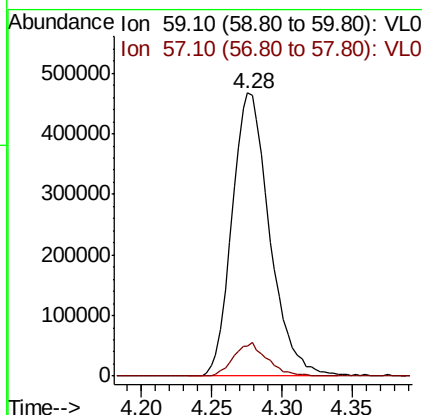
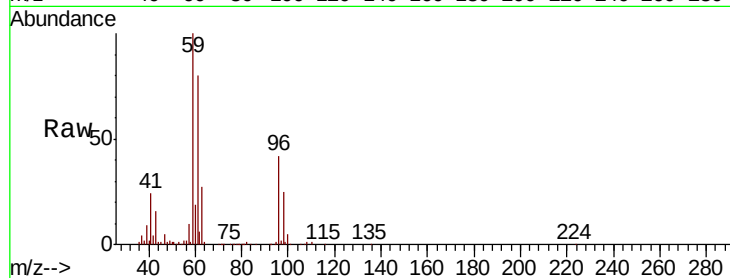
#17
 tert-Butyl alcohol
 Concen: 10.926 ppbv
 RT: 4.28 min Scan# 463
 Delta R.T. -0.01 min
 Lab File: VL034821.D
 Acq: 6 Mar 2020 19:12

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0306ABS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.6	13.0

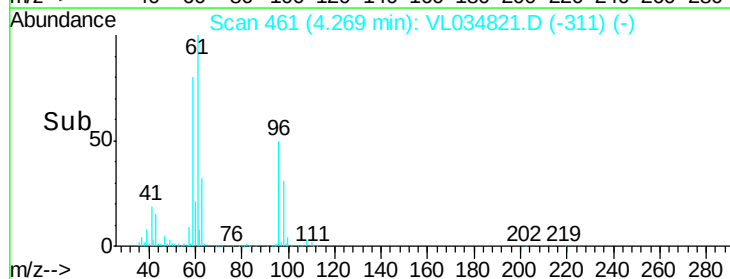
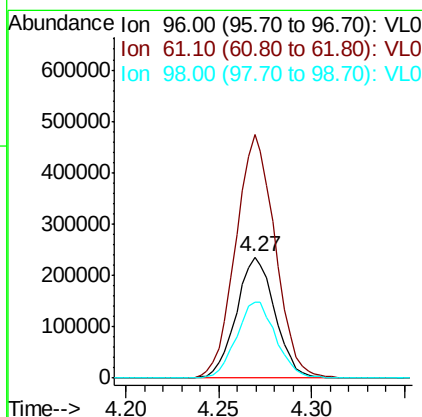
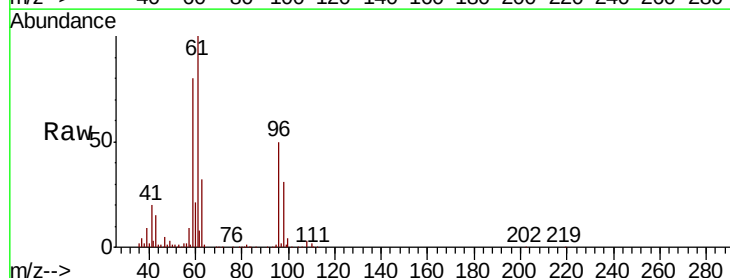
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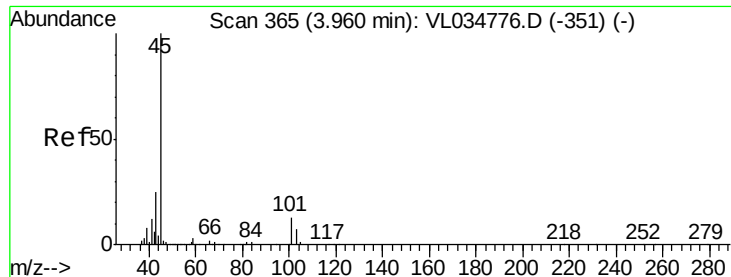
MMDadoda
 3/9/2020 9:20:31 AM



#18
 1,1-Dichloroethene
 Concen: 9.069 ppbv
 RT: 4.27 min Scan# 461
 Delta R.T. -0.02 min
 Lab File: VL034821.D
 Acq: 6 Mar 2020 19:12

Tgt Ion	Ratio	Lower	Upper
96	100		
61	201.2	159.5	239.3
98	63.2	51.1	76.7





#19

Isopropyl Alcohol

Concen: 9.484 ppbv

RT: 3.95 min Scan# 362

Delta R.T. -0.01 min

Lab File: VL034821.D

Acq: 6 Mar 2020 19:12

Instrument :

MSVOA_L

ClientSampleId :

VL0306ABS01

Tot Ion: 45 Resp: 575724

Ion Ratio Lower Upper

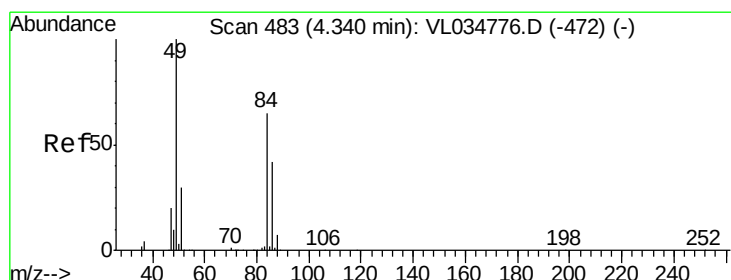
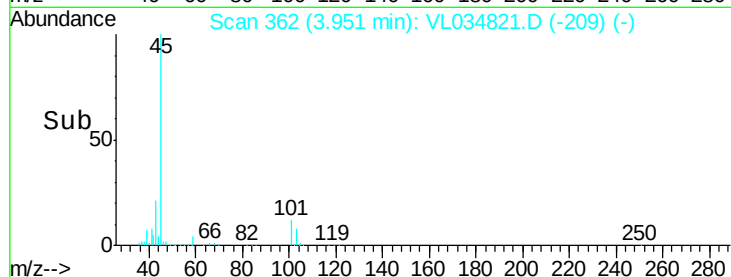
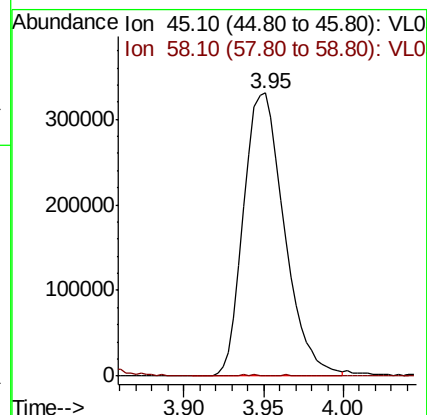
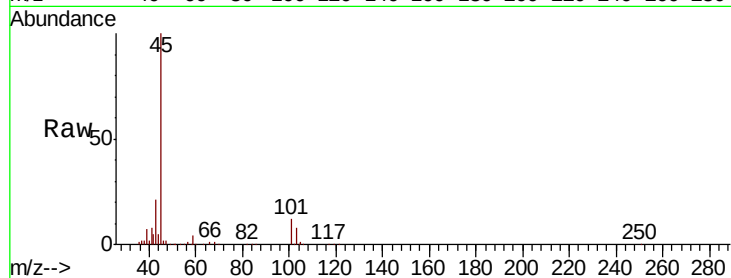
45 100

58 42.2 1.8 2.8#

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#20

Methylene Chloride

Concen: 8.049 ppbv

RT: 4.33 min Scan# 479

Delta R.T. -0.01 min

Lab File: VL034821.D

Acq: 6 Mar 2020 19:12

Tgt Ion: 84 Resp: 291056

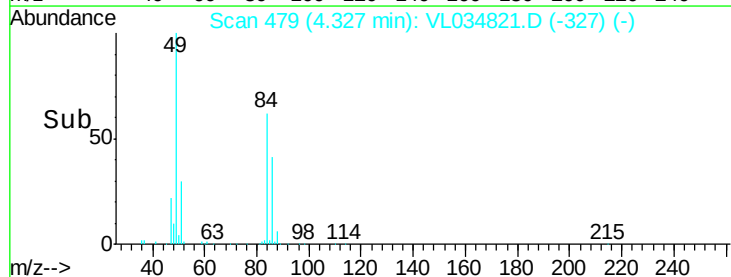
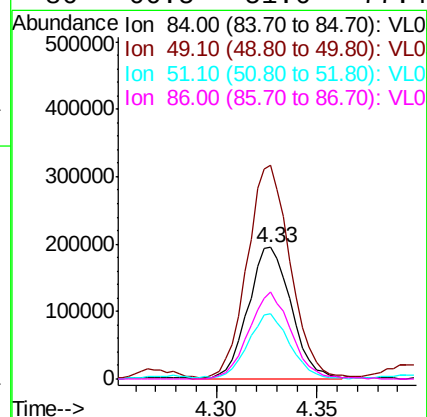
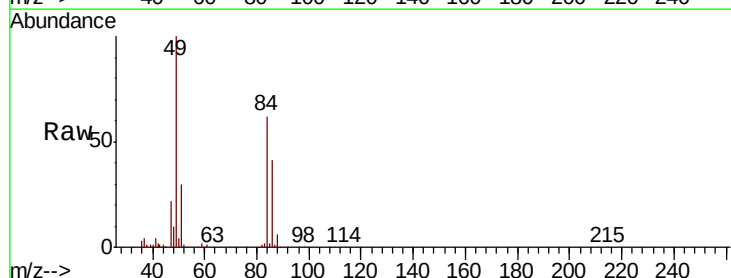
Ion Ratio Lower Upper

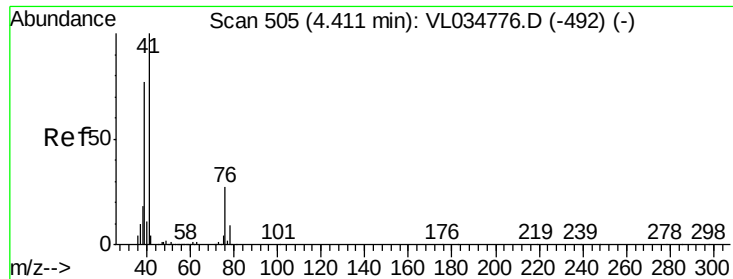
84 100

49 160.4 123.2 184.8

51 48.5 37.4 56.2

86 66.5 51.6 77.4





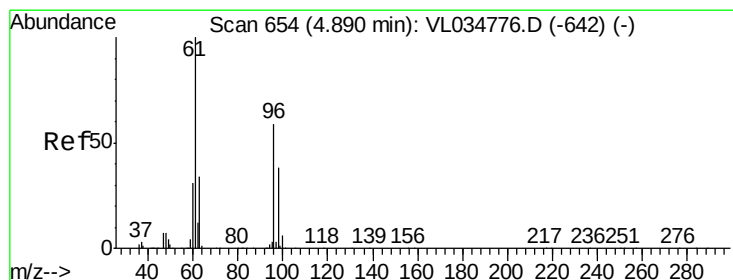
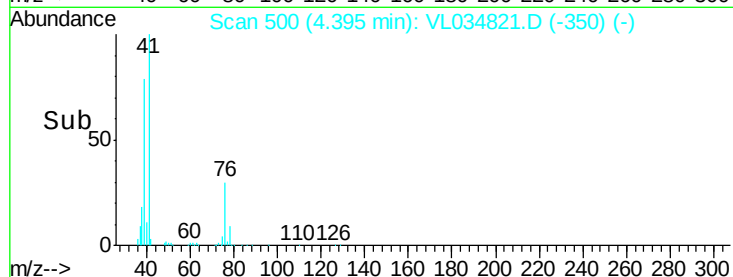
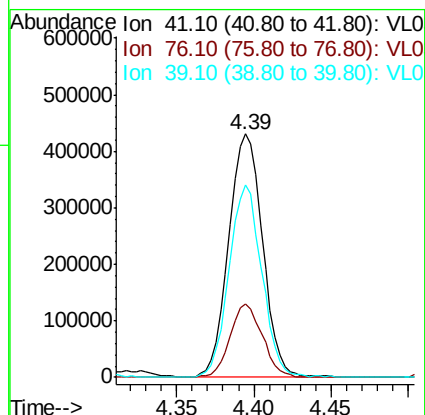
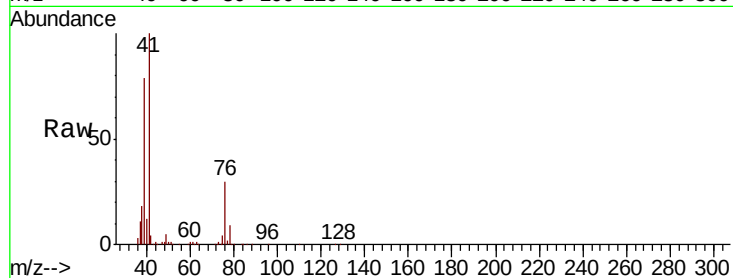
#21
Allvl Chloride
Concen: 10.122 ppbv
RT: 4.39 min Scan# 500
Delta R.T. -0.02 min
Lab File: VL034821.D
Acq: 6 Mar 2020 19:12

Instrument :
MSVOA_L
ClientSampleId :
VL0306ABS01

Tot Ion	Ratio	Resp	Lower	Upper
41	100	649410		
76	29.0		22.5	33.7
39	77.1		65.0	97.6

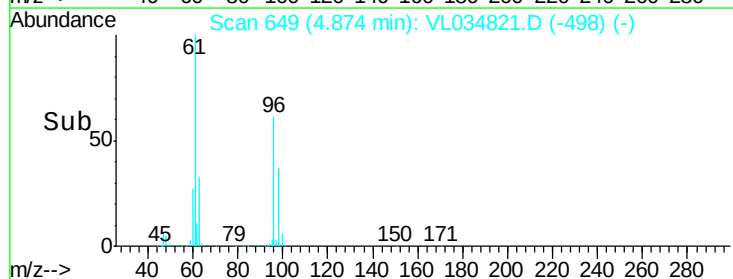
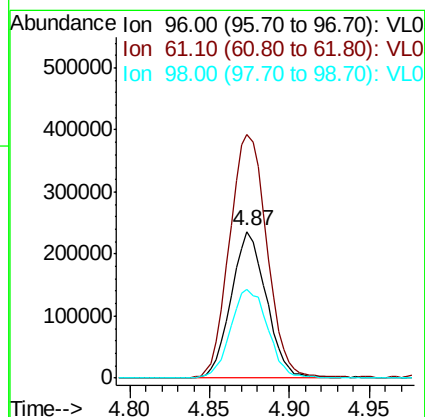
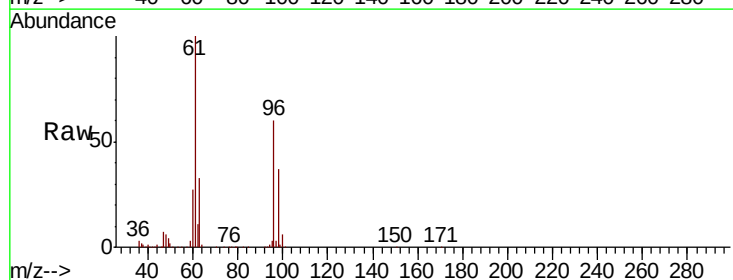
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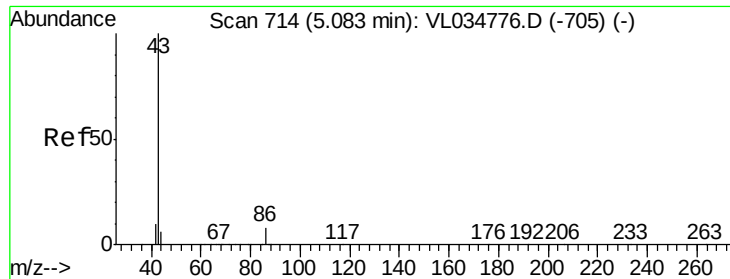
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#22
trans-1,2-Dichloroethene
Concen: 9.614 ppbv
RT: 4.87 min Scan# 649
Delta R.T. -0.02 min
Lab File: VL034821.D
Acq: 6 Mar 2020 19:12

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	352858		
61	165.5		135.2	202.8
98	60.5		50.8	76.2





#23

Vinyl Acetate

Concen: 11.210 ppbv

RT: 5.07 min Scan# 709

Delta R.T. -0.02 min

Lab File: VL034821.D

Acq: 6 Mar 2020 19:12

Instrument :

MSVOA_L

ClientSampleId :

VL0306ABS01

Tot Ion: 43 Resp: 1522982

Ion Ratio Lower Upper

43 100

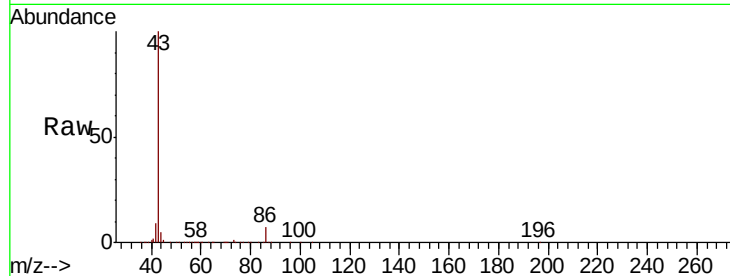
86 6.7 5.9 8.9

42 9.5 8.2 12.2

44 4.4 4.5 6.7#

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MMDadoda
3/9/2020 9:20:31 AM

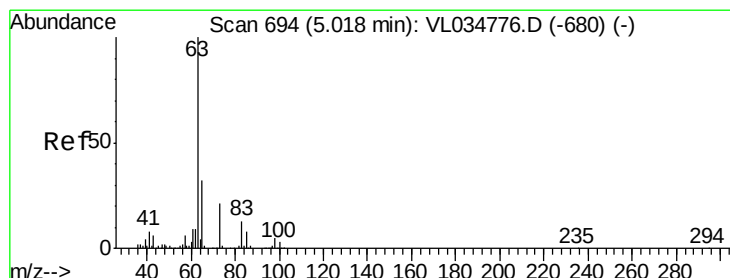
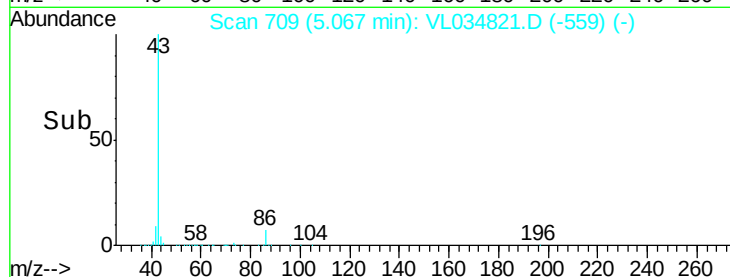
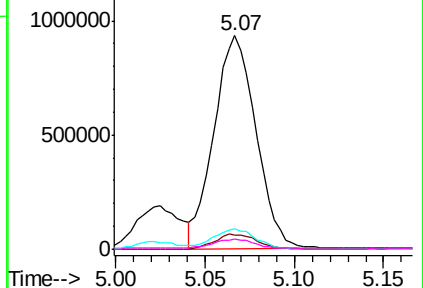


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.043 ppbv

RT: 5.00 min Scan# 689

Delta R.T. -0.02 min

Lab File: VL034821.D

Acq: 6 Mar 2020 19:12

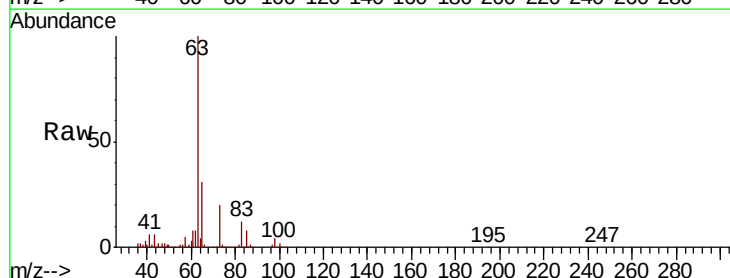
Tgt Ion: 63 Resp: 953620

Ion Ratio Lower Upper

63 100

98 4.1 2.3 6.8

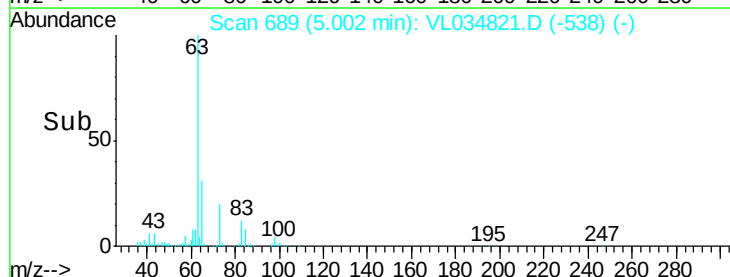
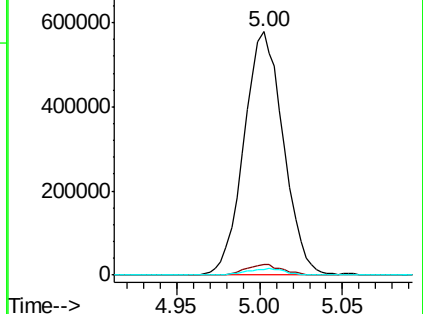
100 2.2 1.5 4.4

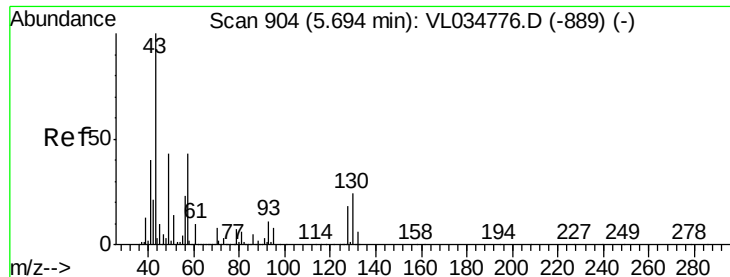


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





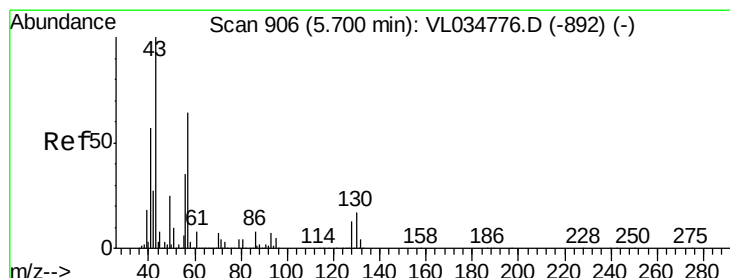
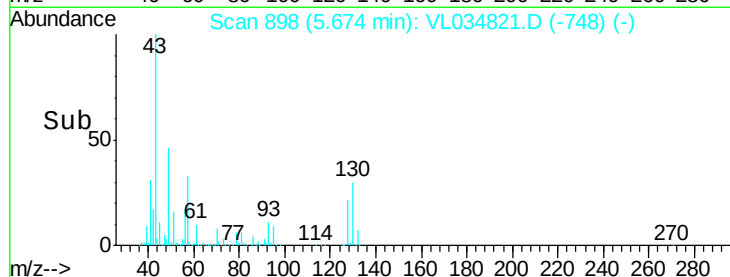
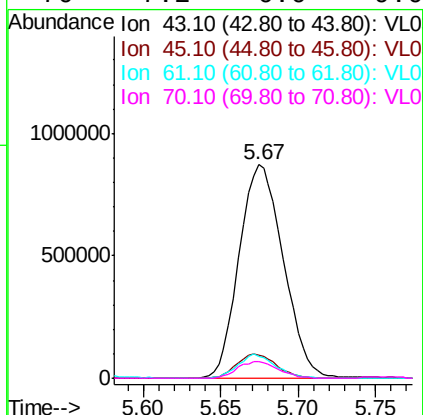
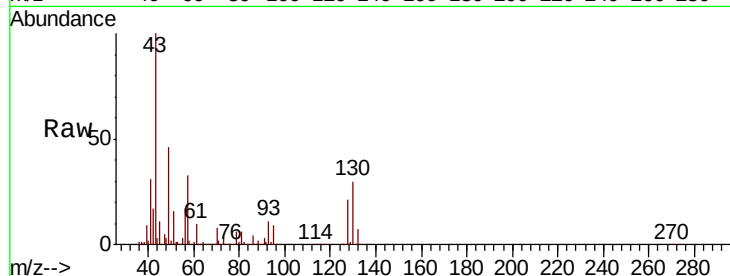
#25
Ethyl Acetate
Concen: 9.855 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.02 min
Lab File: VL034821.D
Acq: 6 Mar 2020 19:12

Instrument :
MSVOA_L
ClientSampleId :
VL0306ABS01

Tot Ion:	43	Resp:	1725459
Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.2	12.4
61	9.5	7.5	11.3
70	7.2	6.0	9.0

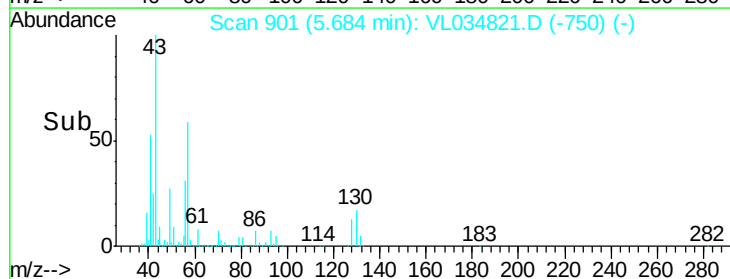
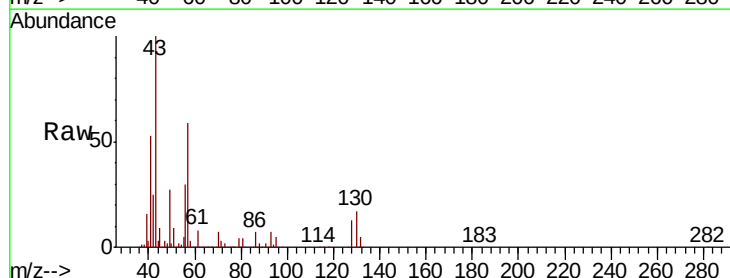
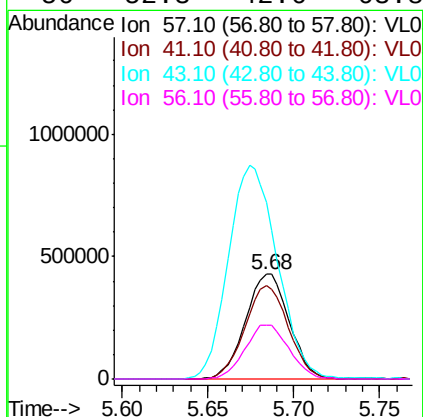
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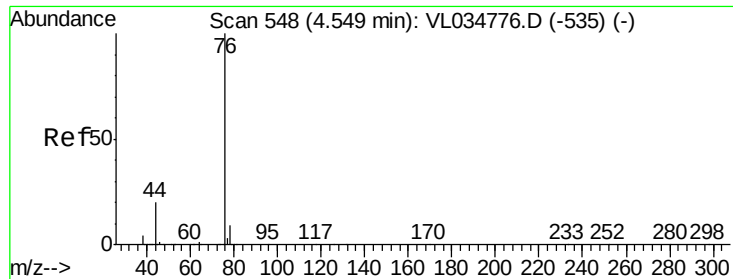
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#26
Hexane
Concen: 9.835 ppbv
RT: 5.68 min Scan# 901
Delta R.T. -0.02 min
Lab File: VL034821.D
Acq: 6 Mar 2020 19:12

Tgt Ion:	57	Resp:	752208
Ion	Ratio	Lower	Upper
57	100		
41	89.2	72.0	108.0
43	231.1	179.1	268.7
56	52.3	42.6	63.8





#27

Carbon Disulfide

Concen: 10.540 ppbv

RT: 4.54 min Scan# 544

Delta R.T. -0.01 min

Lab File: VL034821.D

Acq: 6 Mar 2020 19:12

Instrument :

MSVOA_L

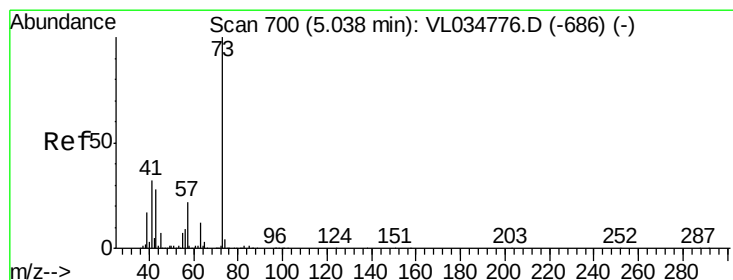
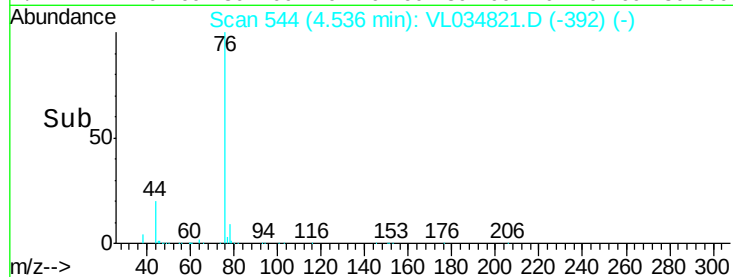
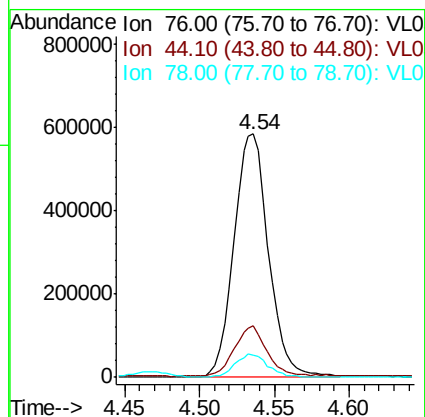
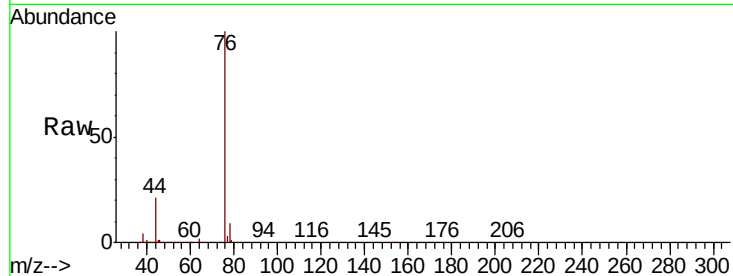
ClientSampleId :

VL0306ABS01

Tot Ion:	76	Resp:	941805
Ion Ratio	Lower	Upper	
76	100		
44	20.2	16.1	24.1
78	9.4	7.5	11.3

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#28

Methyl tert-Butyl Ether

Concen: 11.271 ppbv

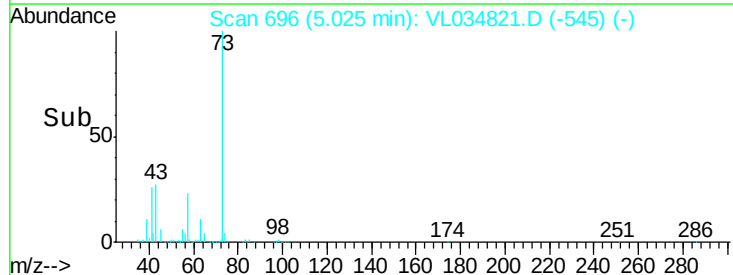
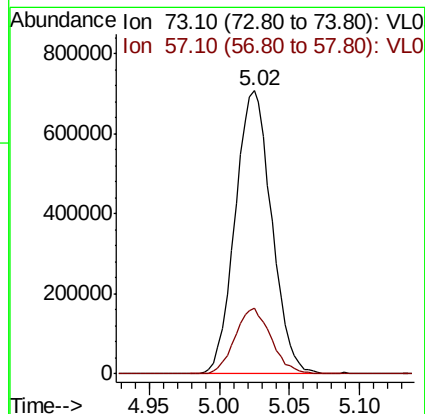
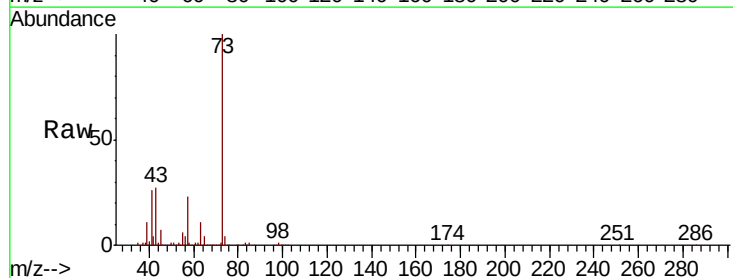
RT: 5.02 min Scan# 696

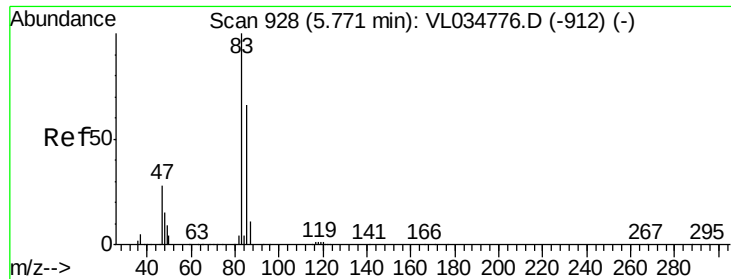
Delta R.T. -0.01 min

Lab File: VL034821.D

Acq: 6 Mar 2020 19:12

Tgt Ion:	73	Resp:	1283092
Ion Ratio	Lower	Upper	
73	100		
57	22.9	18.5	27.7





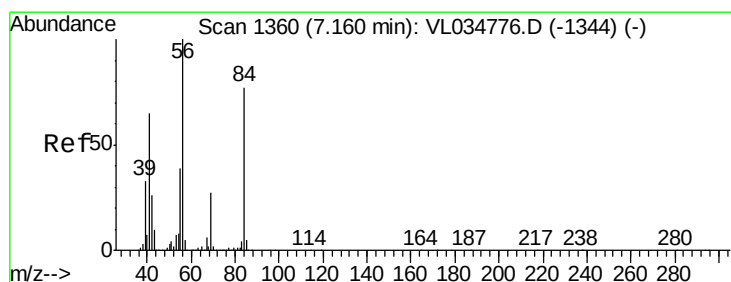
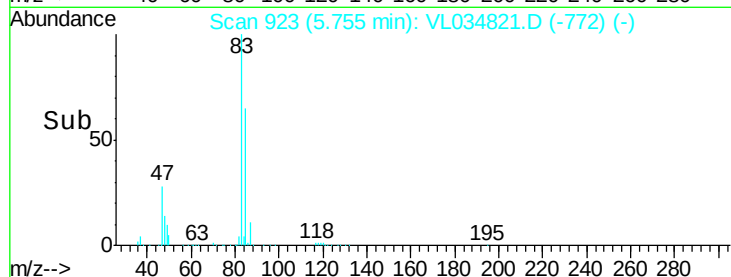
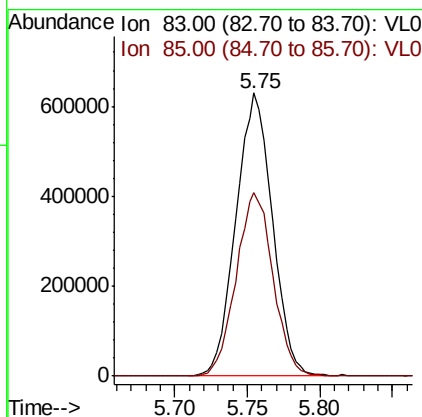
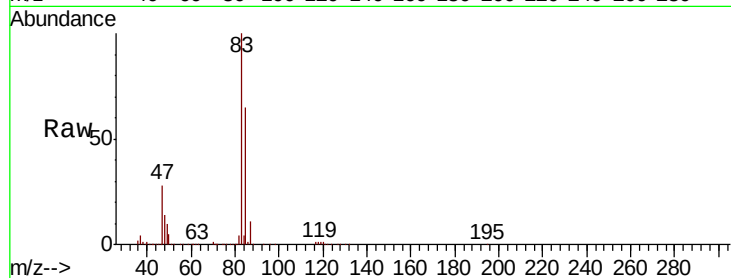
#29
Chloroform
Concen: 8.524 ppbv
RT: 5.75 min Scan# 923
Delta R.T. -0.02 min
Lab File: VL034821.D
Acq: 6 Mar 2020 19:12

Instrument :
MSVOA_L
ClientSampleId :
VL0306ABS01

Tot Ion: 83 Resp: 1097459
Ion Ratio Lower Upper
83 100
85 64.6 53.0 79.4

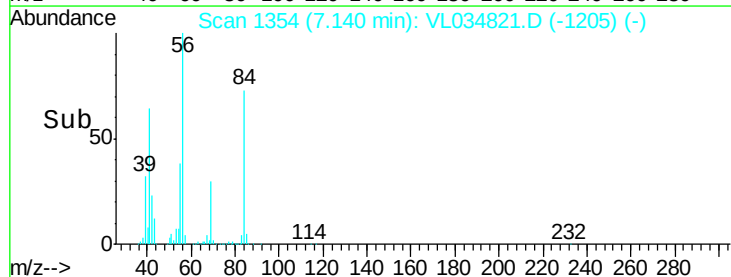
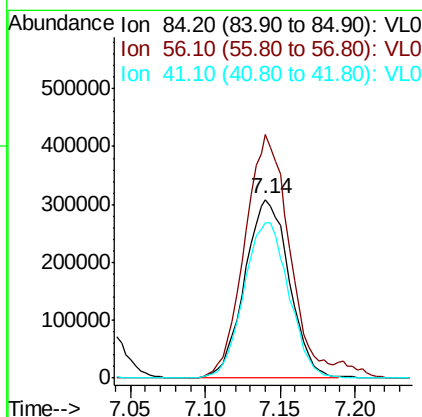
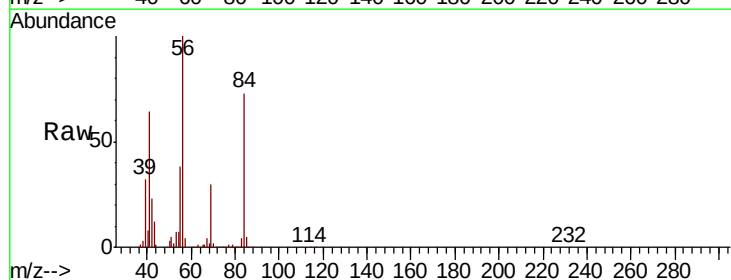
Manual Integrations
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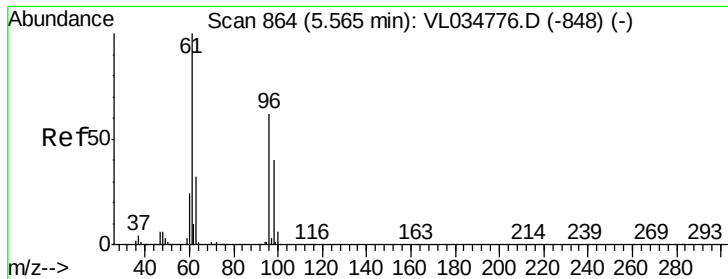
MMDadoda
3/9/2020 9:20:31 AM



#30
Cyclohexane
Concen: 10.929 ppbv
RT: 7.14 min Scan# 1354
Delta R.T. -0.02 min
Lab File: VL034821.D
Acq: 6 Mar 2020 19:12

Tgt Ion: 84 Resp: 639483
Ion Ratio Lower Upper
84 100
56 141.7 113.2 169.8
41 88.2 70.2 105.4





#31

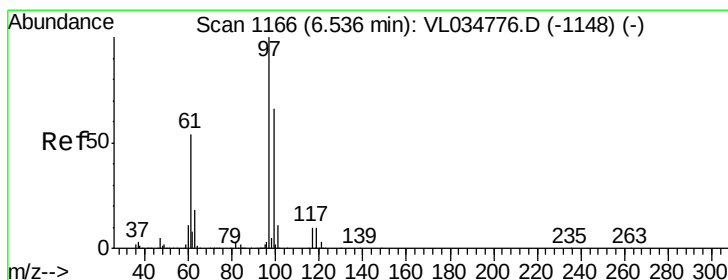
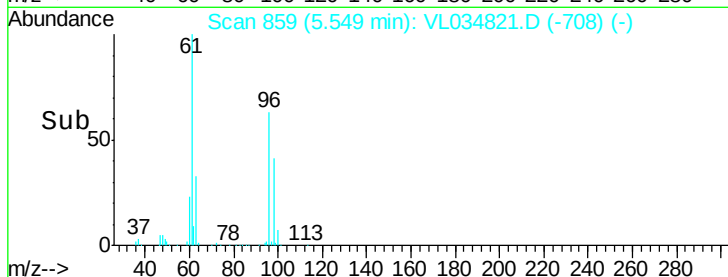
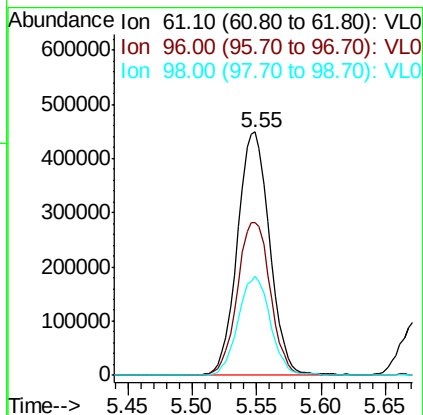
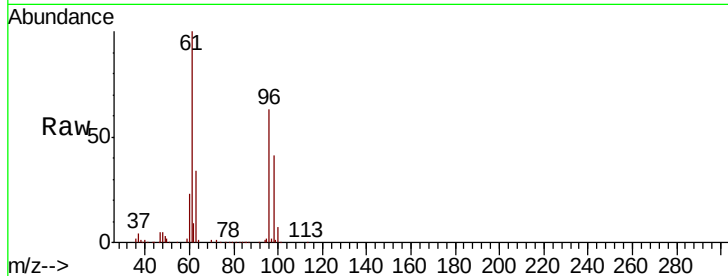
cis-1,2-Dichloroethene
Concen: 9.956 ppbv
RT: 5.55 min Scan# 859
Delta R.T. -0.02 min
Lab File: VL034821.D
Acq: 6 Mar 2020 19:12

Instrument :
MSVOA_L
ClientSampleId :
VL0306ABS01

Tot Ion	Ratio	Lower	Upper
61	100		
96	62.9	49.7	74.5
98	40.7	31.9	47.9

Manual Integrations
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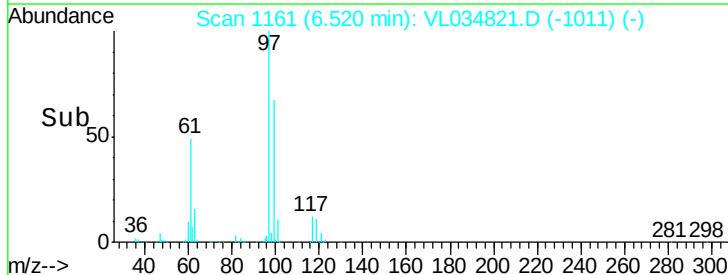
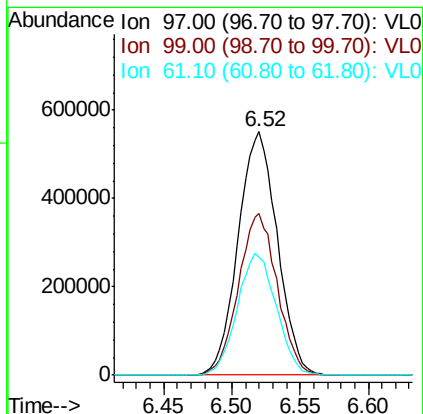
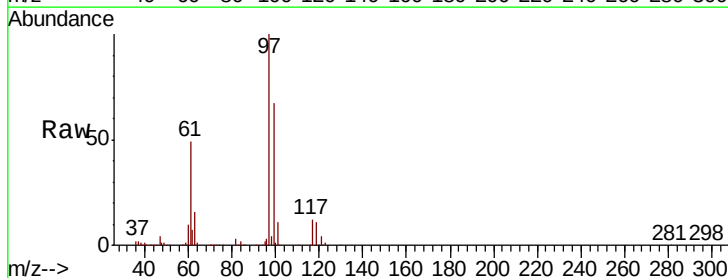
MMDadoda
3/9/2020 9:20:31 AM

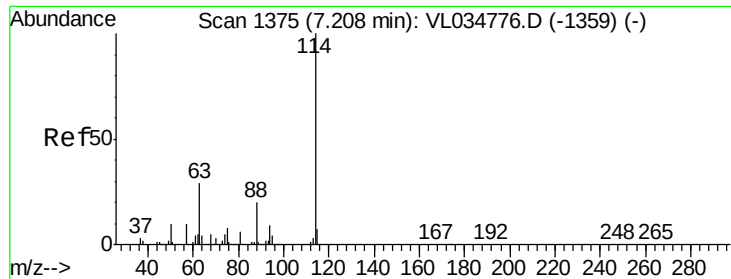


#32

1,1,1-Trichloroethane
Concen: 8.659 ppbv
RT: 6.52 min Scan# 1161
Delta R.T. -0.02 min
Lab File: VL034821.D
Acq: 6 Mar 2020 19:12

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.6	51.7	77.5
61	49.8	43.4	65.0





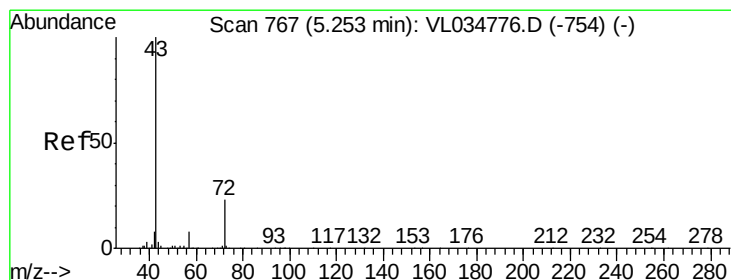
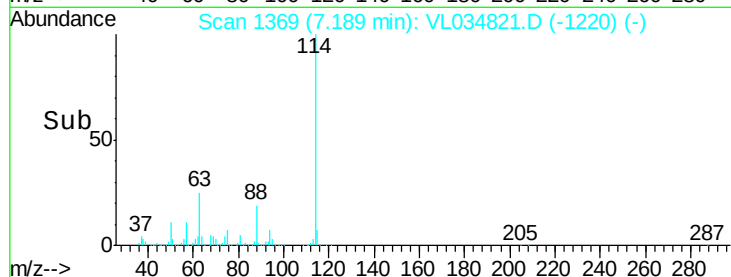
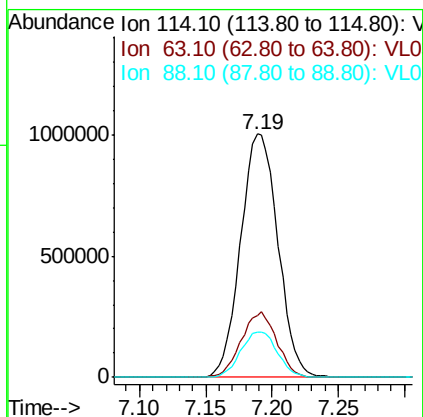
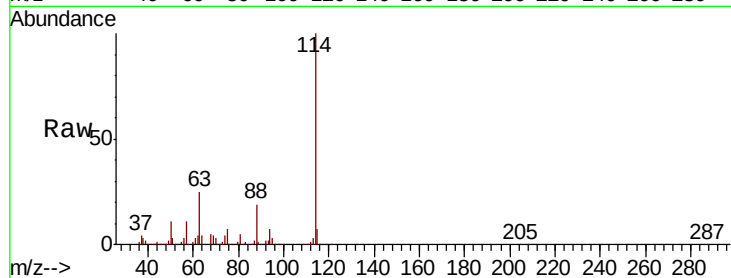
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1369
 Delta R.T. -0.02 min
 Lab File: VL034821.D
 Acq: 6 Mar 2020 19:12

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0306ABS01

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.1	23.6	35.4
88	18.5	15.8	23.8

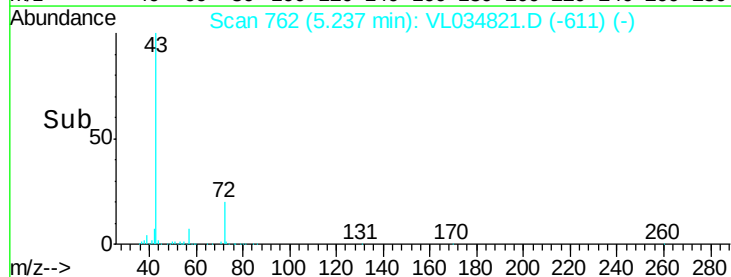
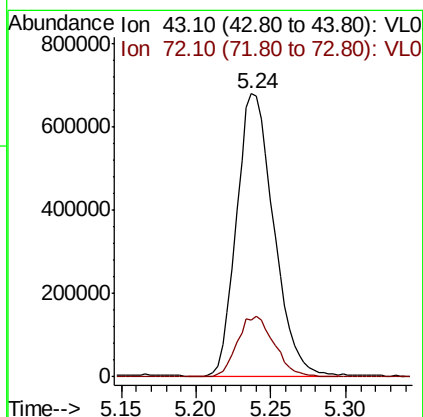
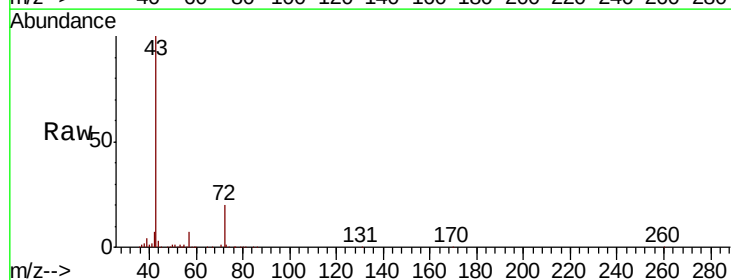
Manual Integrations
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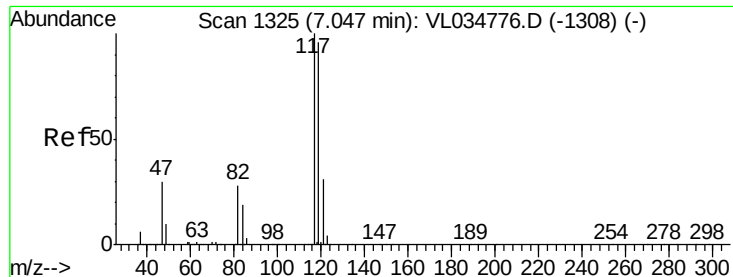
MMDadoda
 3/9/2020 9:20:31 AM



#34
 2-Butanone
 Concen: 9.165 ppbv
 RT: 5.24 min Scan# 762
 Delta R.T. -0.02 min
 Lab File: VL034821.D
 Acq: 6 Mar 2020 19:12

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.5	17.5	26.3





#35

Carbon Tetrachloride

Concen: 7.745 ppbv

RT: 7.03 min Scan# 1319

Delta R.T. -0.02 min

Lab File: VL034821.D

Acq: 6 Mar 2020 19:12

Instrument :

MSVOA_L

ClientSampleId :

VL0306ABS01

Tot Ion:117 Resp: 1147439

Ion Ratio Lower Upper

117 100

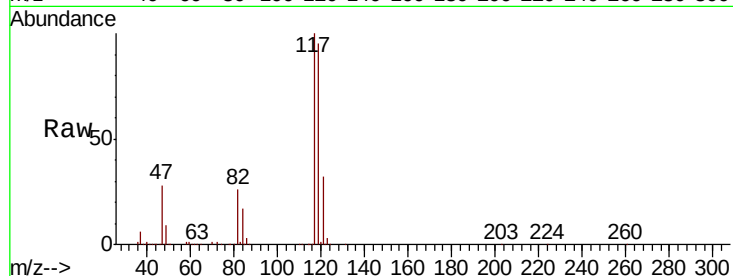
119 94.6 76.8 115.2

121 31.8 24.6 37.0

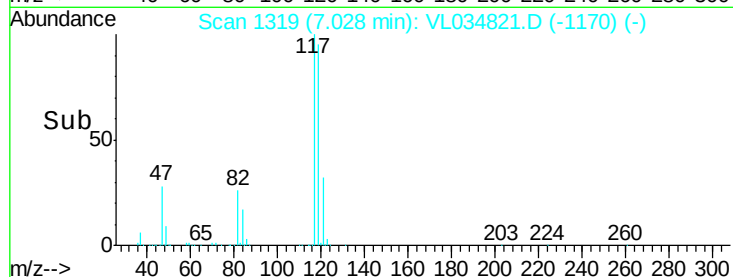
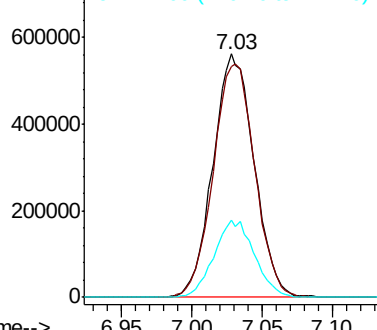
Manual Integrations
APPROVED

MMDadoda

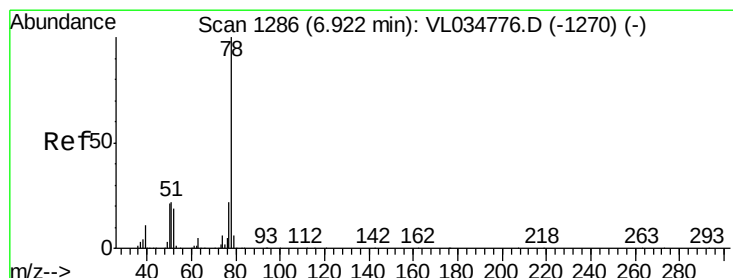
3/9/2020 9:20:31 AM



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



Time-->



#36

Benzene

Concen: 9.288 ppbv

RT: 6.90 min Scan# 1280

Delta R.T. -0.02 min

Lab File: VL034821.D

Acq: 6 Mar 2020 19:12

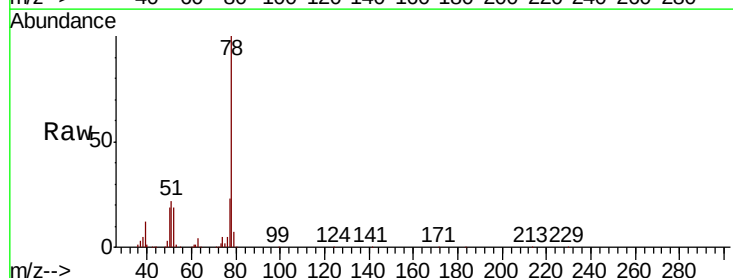
Tgt Ion: 78 Resp: 1558171

Ion Ratio Lower Upper

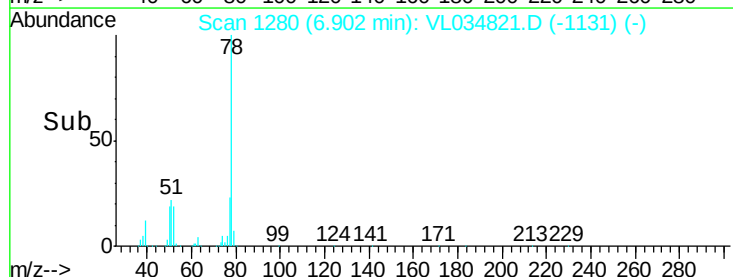
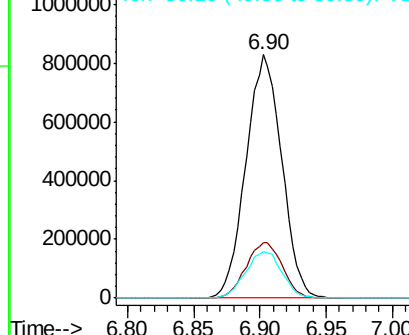
78 100

77 22.5 18.0 27.0

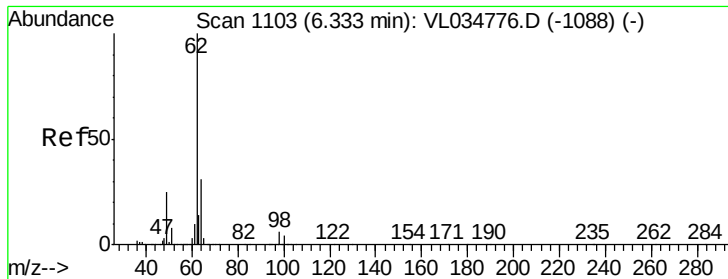
50 19.0 16.9 25.3



Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0



Time-->



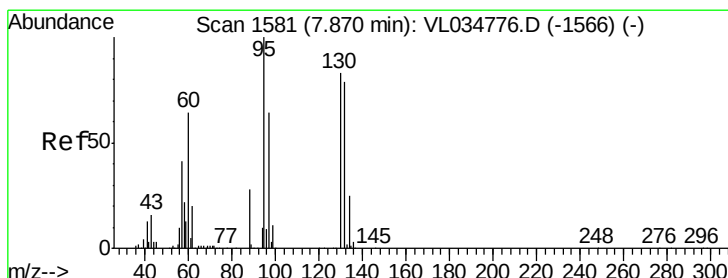
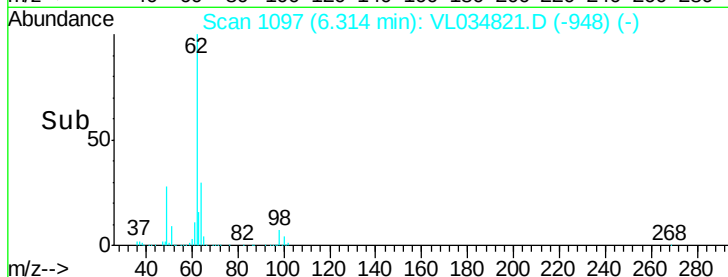
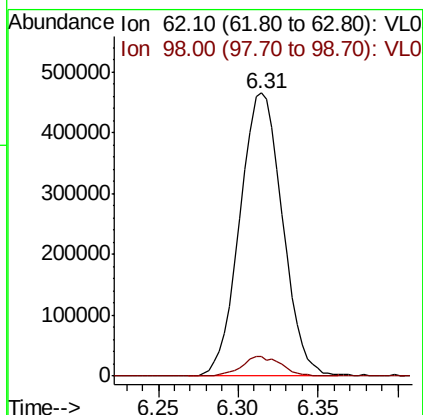
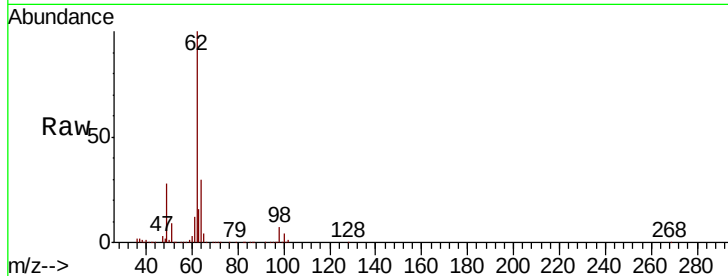
#37
 1,2-Dichloroethane
 Concen: 7.382 ppbv
 RT: 6.31 min Scan# 1097
 Delta R.T. -0.02 min
 Lab File: VL034821.D
 Acq: 6 Mar 2020 19:12

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0306ABS01

Tot Ion	Ratio	Resp	Lower	Upper
62	100	845974		
98	6.6		4.4	6.6#

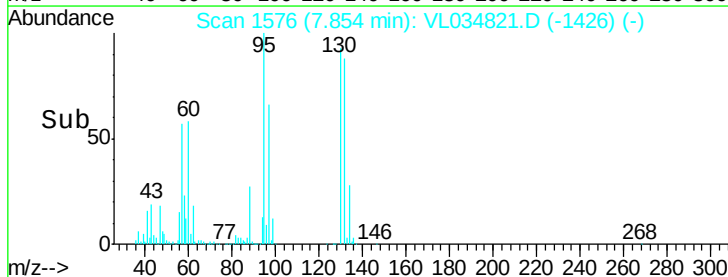
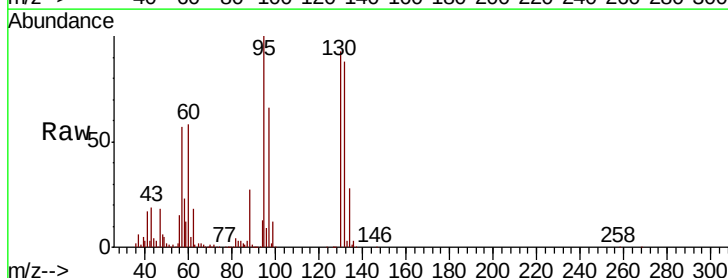
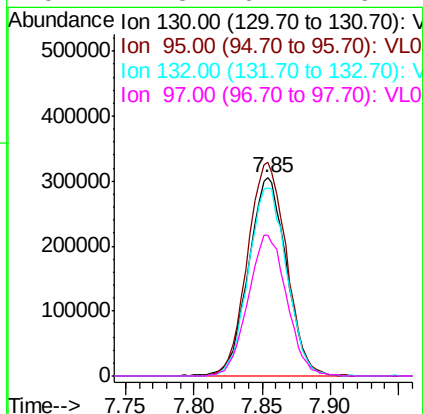
Manual Integrations
 APPROVED

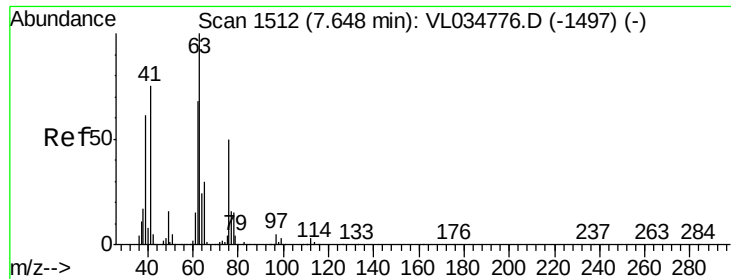
MMDadoda
 3/9/2020 9:20:31 AM



#38
 Trichloroethene
 Concen: 9.061 ppbv
 RT: 7.85 min Scan# 1576
 Delta R.T. -0.02 min
 Lab File: VL034821.D
 Acq: 6 Mar 2020 19:12

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	592503		
95	107.9		95.8	143.8
132	94.7		76.1	114.1
97	71.3		61.1	91.7





#39

1,2-Dichloropropane

Concen: 9.059 ppbv

RT: 7.63 min Scan# 1506

Delta R.T. -0.02 min

Lab File: VL034821.D

Acq: 6 Mar 2020 19:12

Instrument :

MSVOA_L

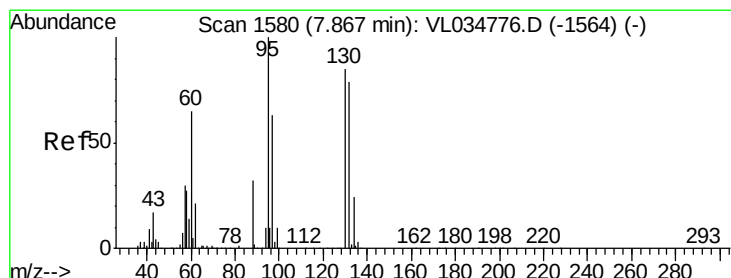
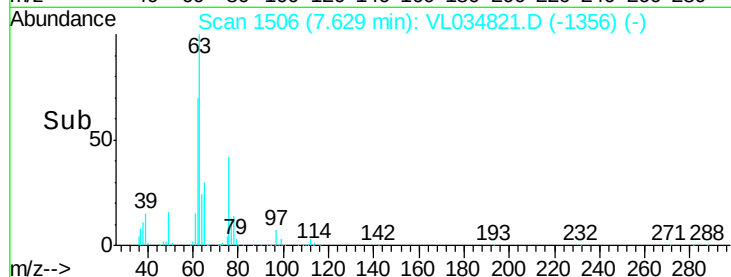
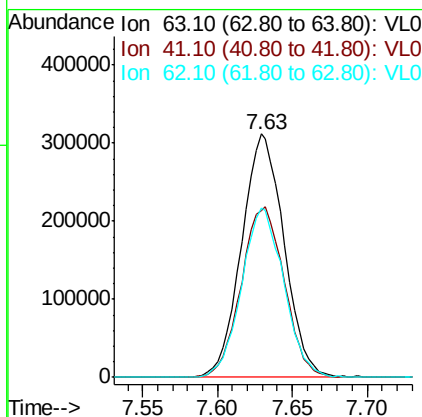
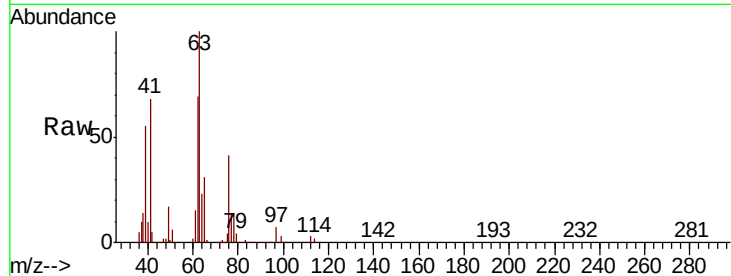
ClientSampleId :

VL0306ABS01

Tot Ion	Ratio	Lower	Upper
63	100		
41	68.1	60.3	90.5
62	69.3	54.5	81.7

Manual Integrations
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MMDadoda
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#40

1,4-Dioxane

Concen: 9.158 ppbv

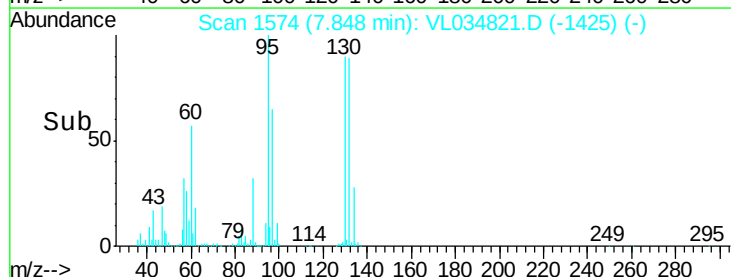
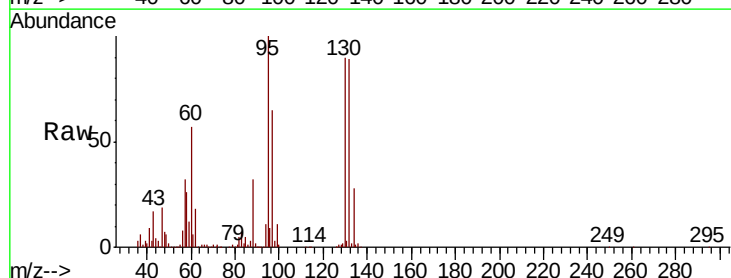
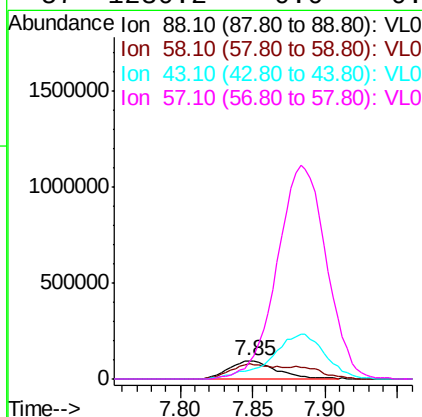
RT: 7.85 min Scan# 1574

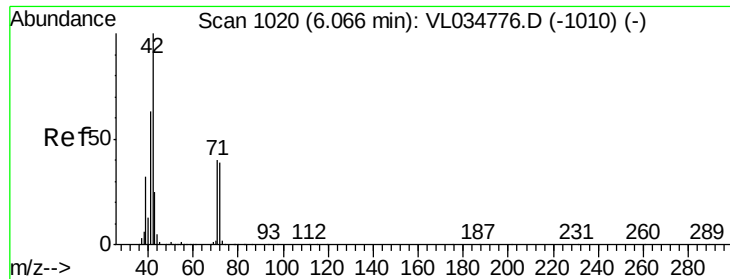
Delta R.T. -0.02 min

Lab File: VL034821.D

Acq: 6 Mar 2020 19:12

Tgt Ion	Ratio	Lower	Upper
88	100		
58	131.6	110.6	166.0
43	279.6	0.0	0.0#
57	1230.2	0.0	0.0#





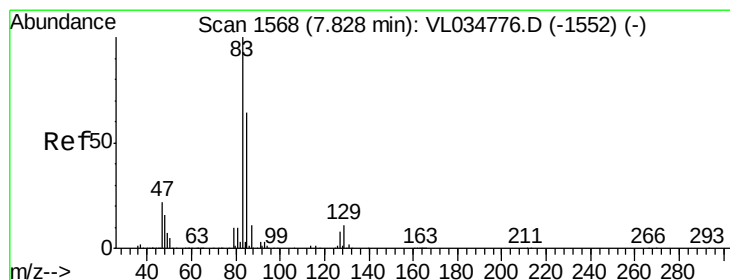
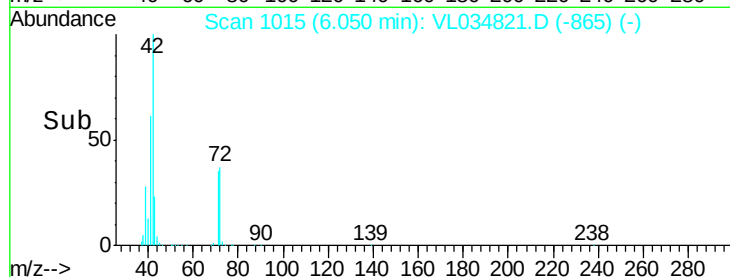
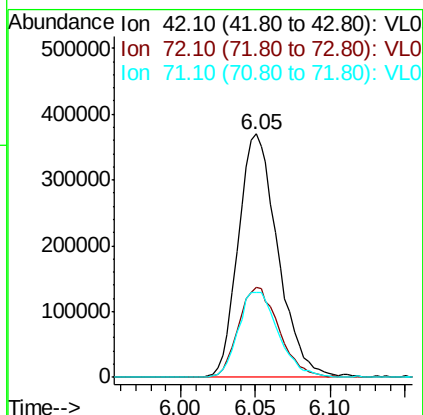
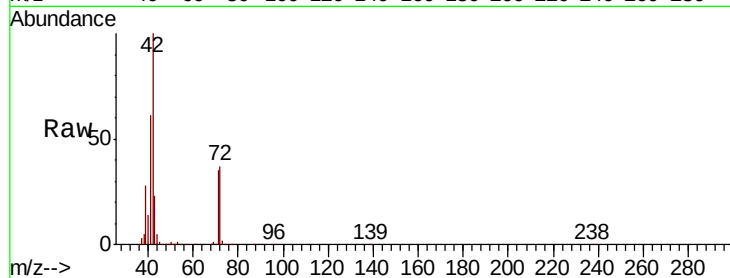
#41
Tetrahydrofuran
Concen: 10.418 ppbv
RT: 6.05 min Scan# 1015
Delta R.T. -0.02 min
Lab File: VL034821.D
Acq: 6 Mar 2020 19:12

Instrument :
MSVOA_L
ClientSampleId :
VL0306ABS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.2	32.0	48.0
71	36.0	31.3	46.9

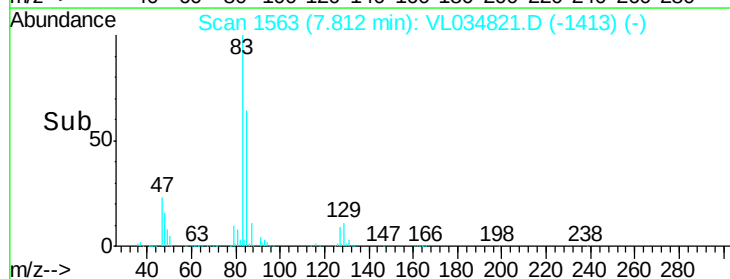
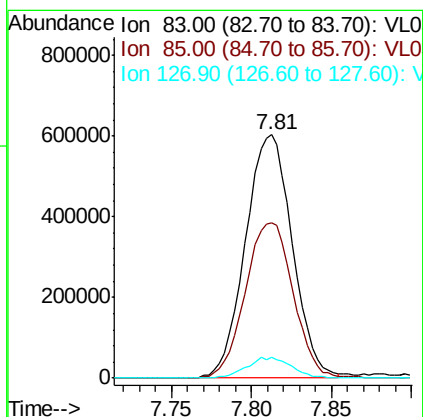
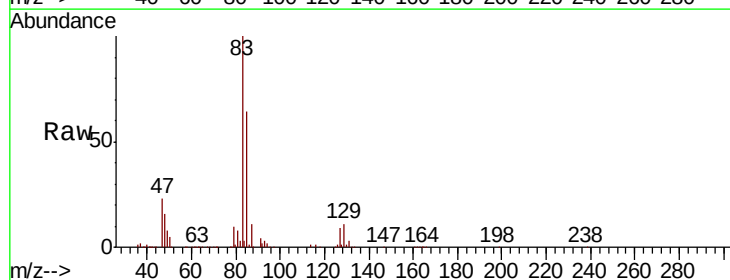
Manual Integrations
APPROVED

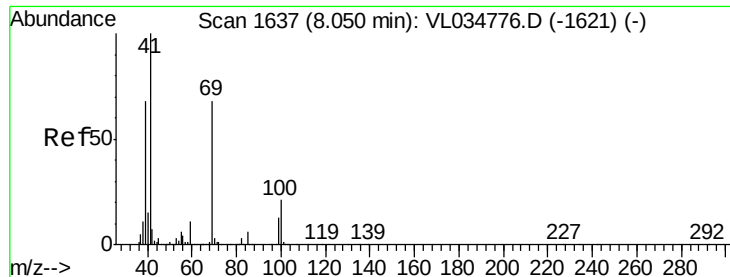
MMDadoda
3/9/2020 9:20:31 AM



#42
Bromodichloromethane
Concen: 8.324 ppbv
RT: 7.81 min Scan# 1563
Delta R.T. -0.02 min
Lab File: VL034821.D
Acq: 6 Mar 2020 19:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	50.8	76.2
127	8.6	6.5	9.7





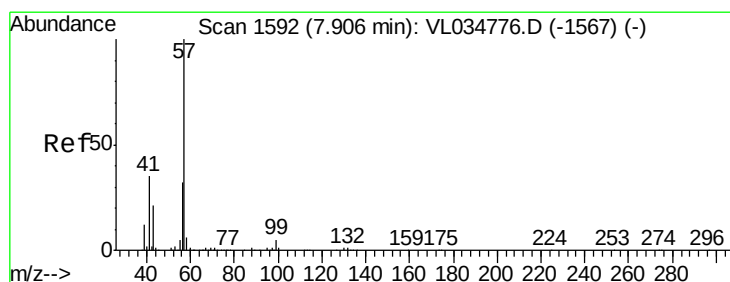
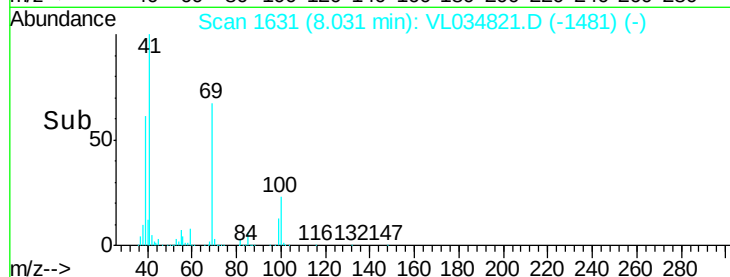
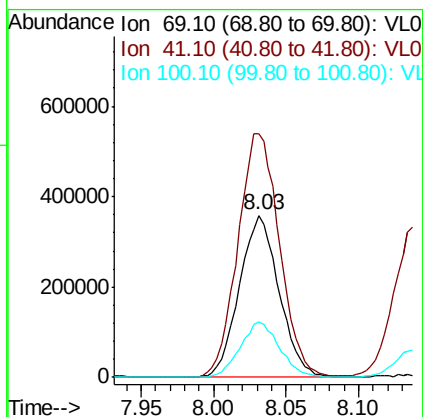
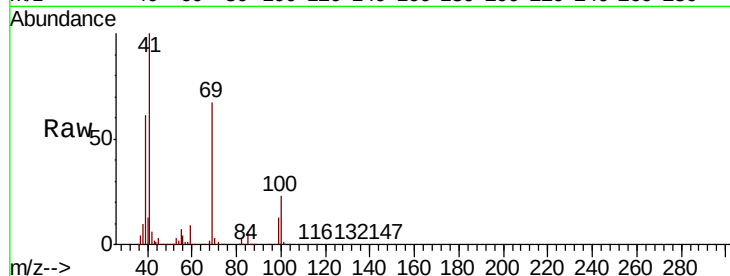
#43
Methyl Methacrylate
Concen: 9.630 ppbv
RT: 8.03 min Scan# 1631
Delta R.T. -0.02 min
Lab File: VL034821.D
Acq: 6 Mar 2020 19:12

Instrument :
MSVOA_L
ClientSampleId :
VL0306ABS01

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	157.1	121.6	182.4	
100	33.8	23.8	35.8	

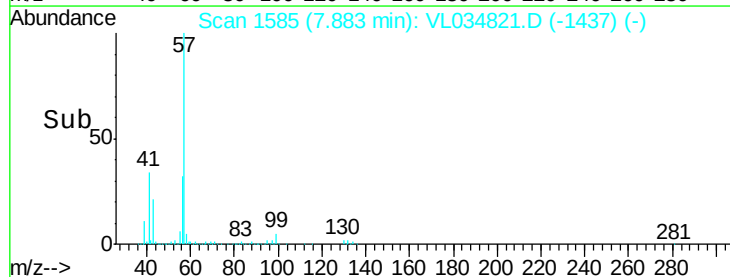
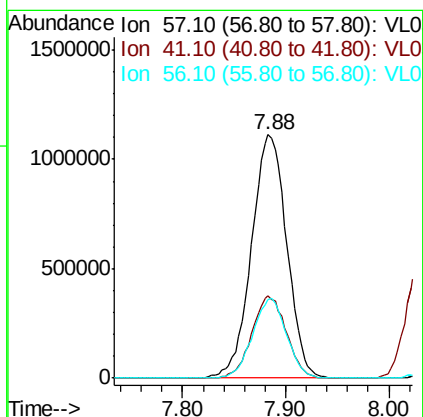
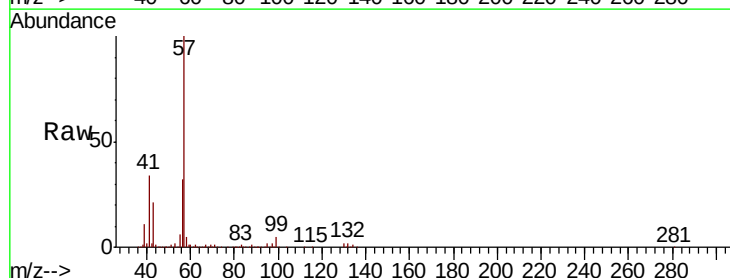
Manual Integrations
APPROVED

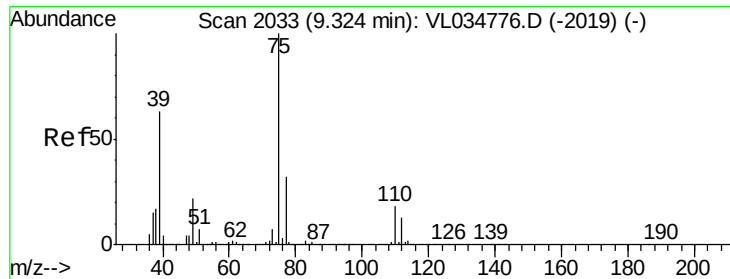
MMDadoda
3/9/2020 9:20:31 AM



#44
2,2,4-Trimethylpentane
Concen: 8.993 ppbv
RT: 7.88 min Scan# 1585
Delta R.T. -0.02 min
Lab File: VL034821.D
Acq: 6 Mar 2020 19:12

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	32.9	27.4	41.0	
56	31.4	25.0	37.6	





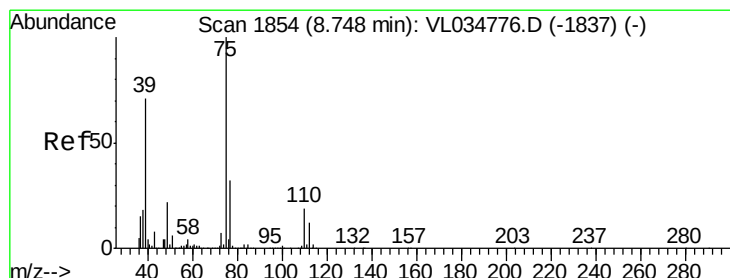
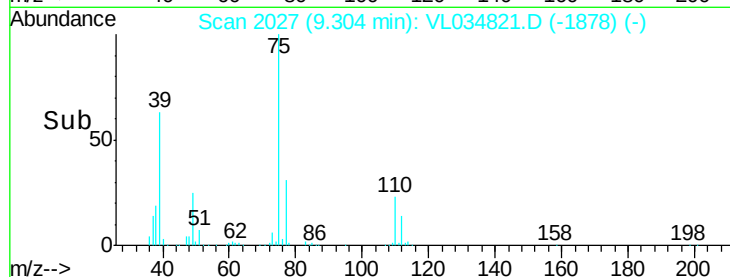
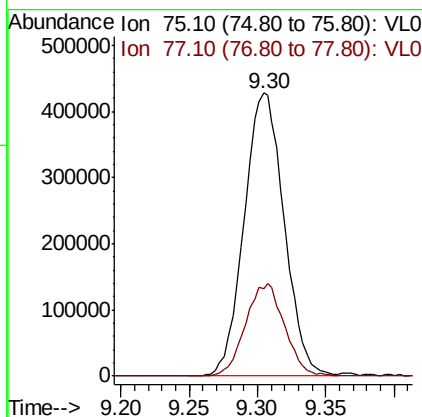
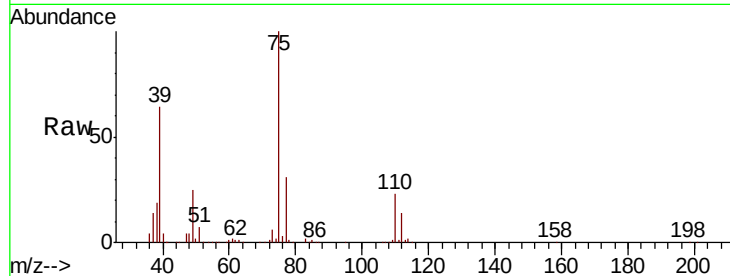
#45
t-1,3-Dichloropropene
Concen: 11.668 ppbv
RT: 9.30 min Scan# 2027
Delta R.T. -0.02 min
Lab File: VL034821.D
Acq: 6 Mar 2020 19:12

Instrument :
MSVOA_L
ClientSampleId :
VL0306ABS01

Tot Ion: 75 Resp: 870789
Ion Ratio Lower Upper
75 100
77 30.8 25.6 38.4

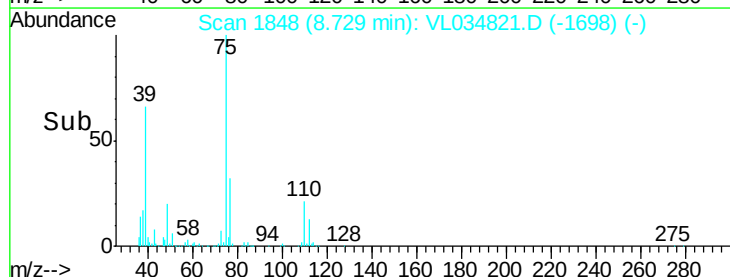
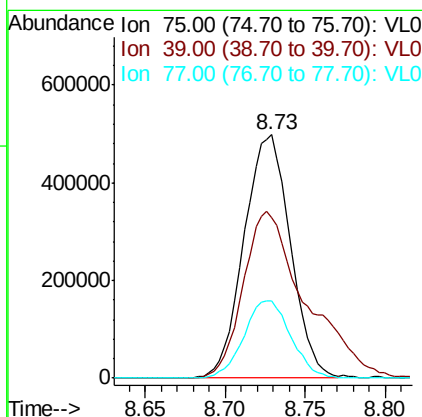
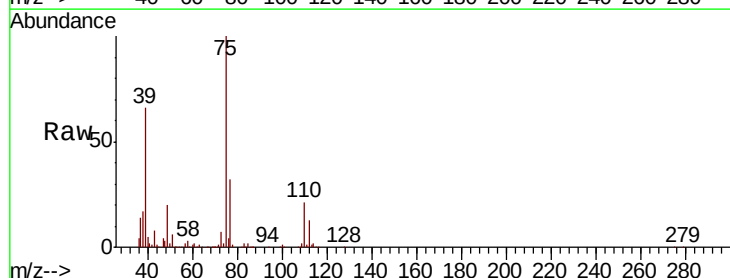
Manual Integrations
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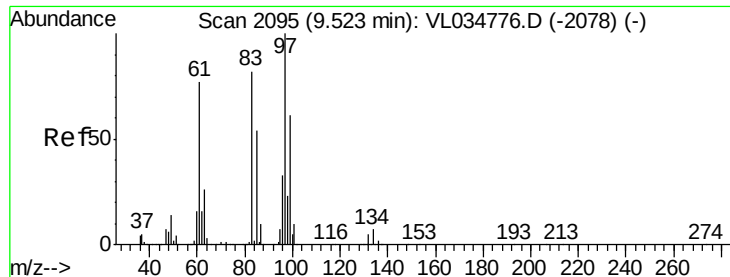
MMDadoda
3/9/2020 9:20:31 AM



#46
cis-1,3-Dichloropropene
Concen: 10.836 ppbv
RT: 8.73 min Scan# 1848
Delta R.T. -0.02 min
Lab File: VL034821.D
Acq: 6 Mar 2020 19:12

Tgt Ion: 75 Resp: 987485
Ion Ratio Lower Upper
75 100
39 65.9 56.9 85.3
77 31.9 25.7 38.5





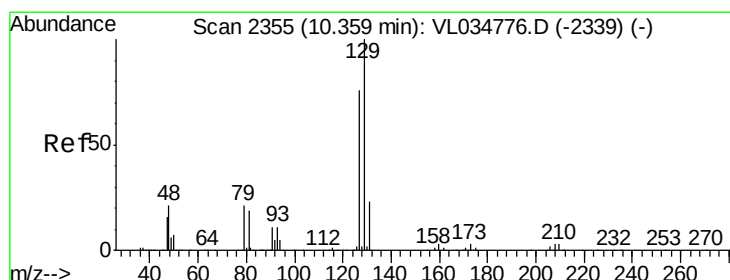
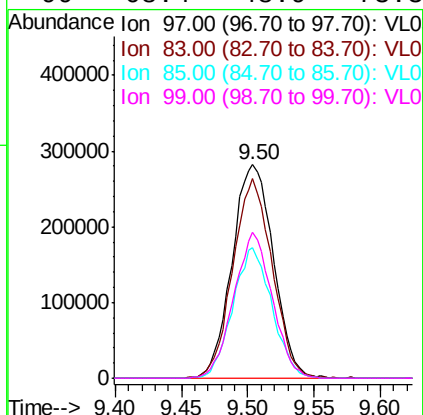
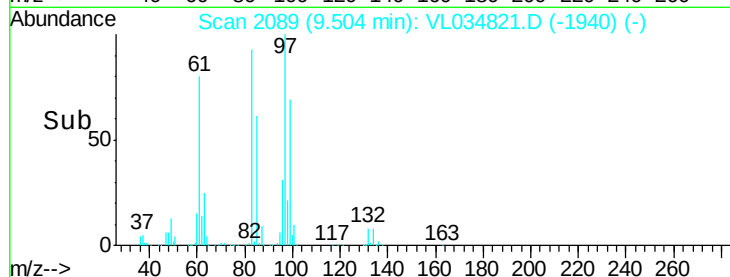
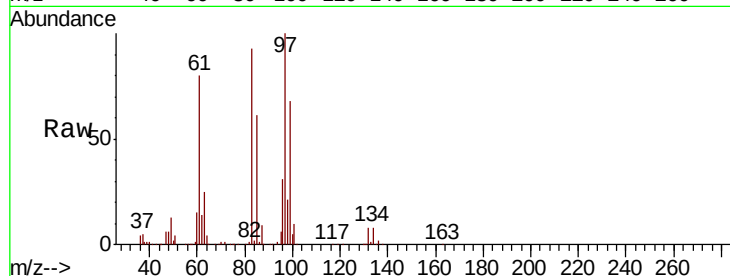
#47
 1,1,2-Trichloroethane
 Concen: 8.537 ppbv
 RT: 9.50 min Scan# 2089
 Delta R.T. -0.02 min
 Lab File: VL034821.D
 Acq: 6 Mar 2020 19:12

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0306ABS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	93.2	65.2	97.8
85	61.0	43.6	65.4
99	68.4	48.9	73.3

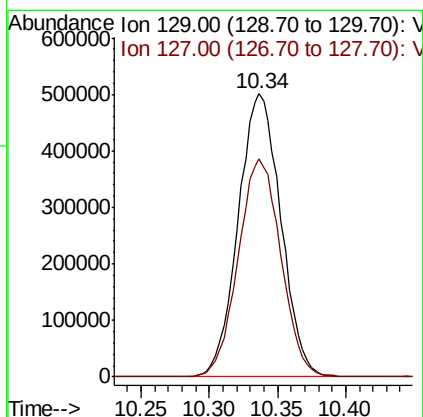
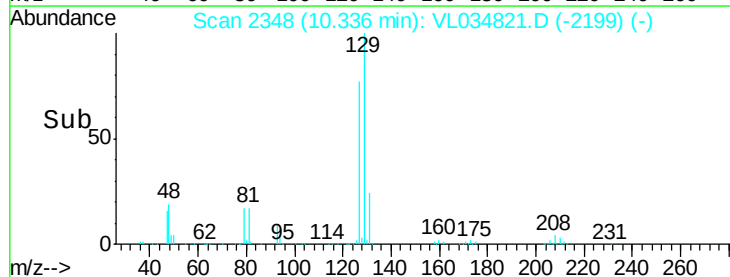
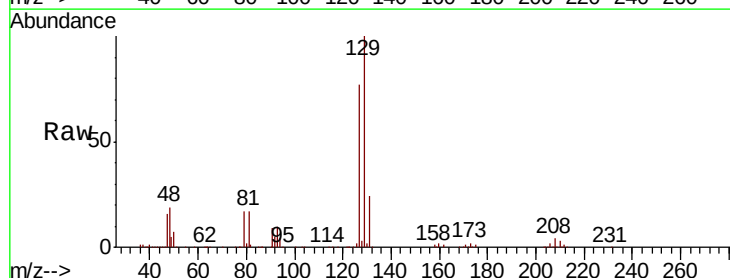
Manual Integrations
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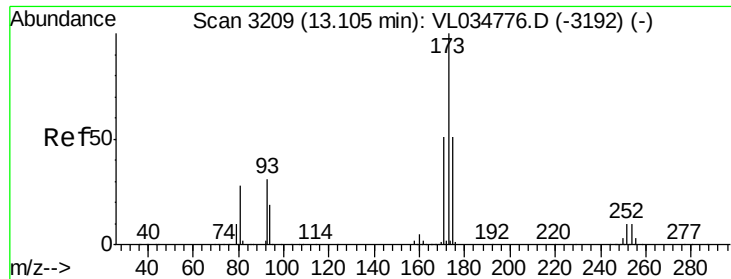
MMDadoda
 3/9/2020 9:20:31 AM



#48
 Dibromochloromethane
 Concen: 9.706 ppbv
 RT: 10.34 min Scan# 2348
 Delta R.T. -0.02 min
 Lab File: VL034821.D
 Acq: 6 Mar 2020 19:12

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.1	39.0	117.0





#49

Bromoform

Concen: 9.859 ppbv

RT: 13.08 min Scan# 3202

Delta R.T. -0.02 min

Lab File: VL034821.D

Acq: 6 Mar 2020 19:12

Instrument :

MSVOA_L

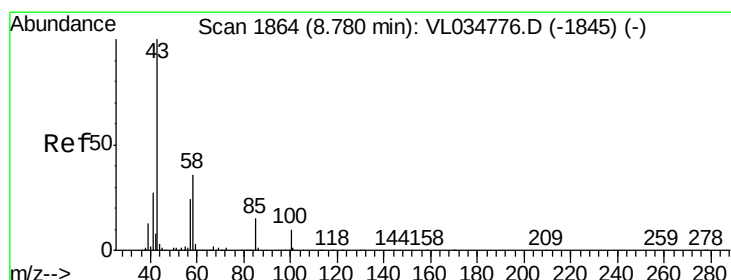
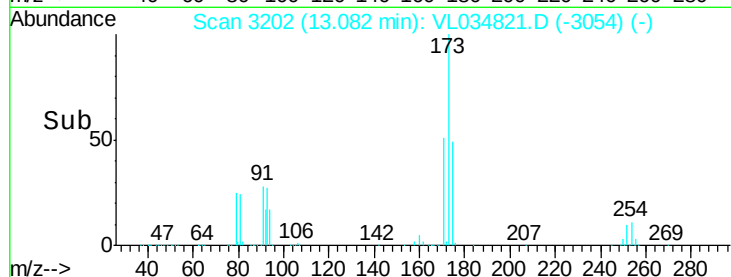
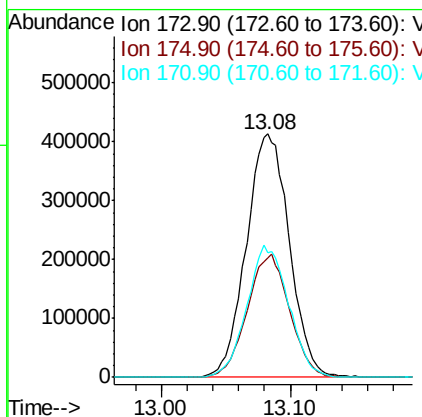
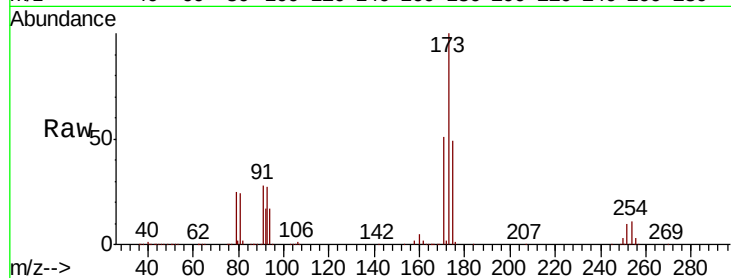
ClientSampleId :

VL0306ABS01

Tot Ion:	173	Resp:	961637
Ion Ratio	Lower	Upper	
173	100		
175	49.8	39.8	59.6
171	52.6	41.0	61.4

Manual Integrations
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3/9/2020 9:20:31 AM



#50

4-Methyl-2-Pentanone

Concen: 9.391 ppbv

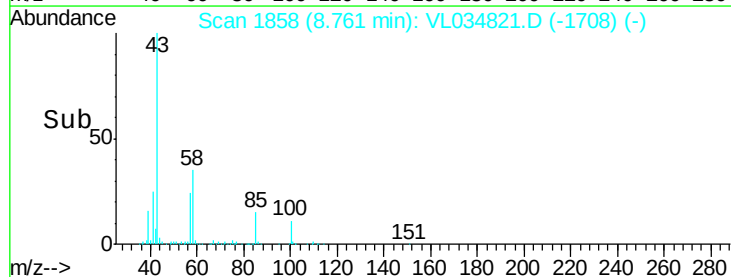
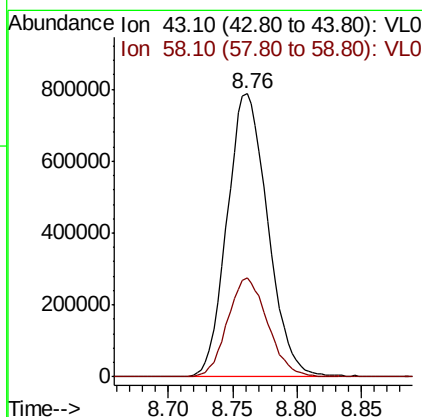
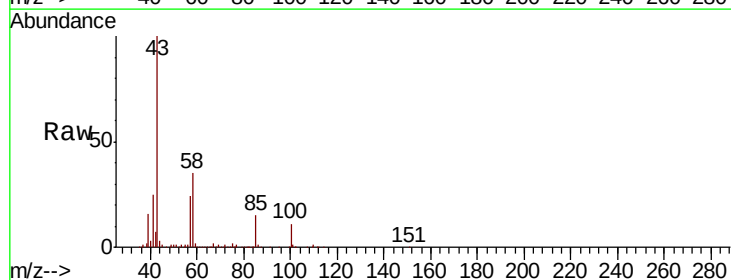
RT: 8.76 min Scan# 1858

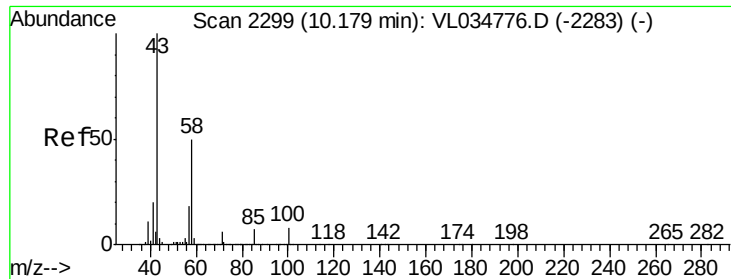
Delta R.T. -0.02 min

Lab File: VL034821.D

Acq: 6 Mar 2020 19:12

Tgt Ion:	43	Resp:	1718646
Ion Ratio	Lower	Upper	
43	100		
58	34.8	28.7	43.1





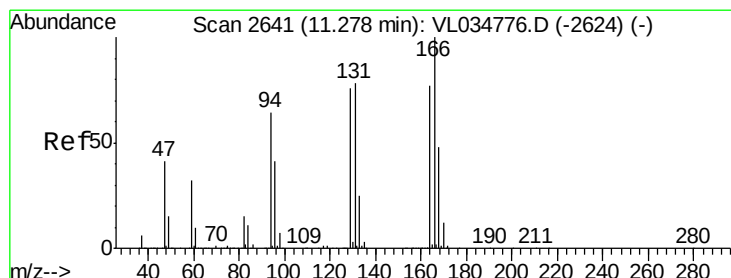
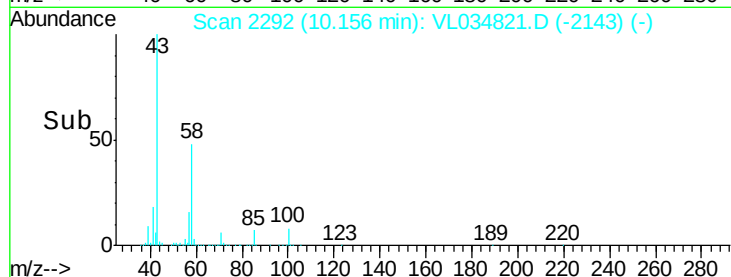
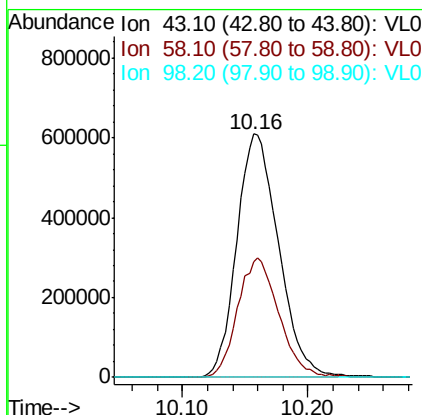
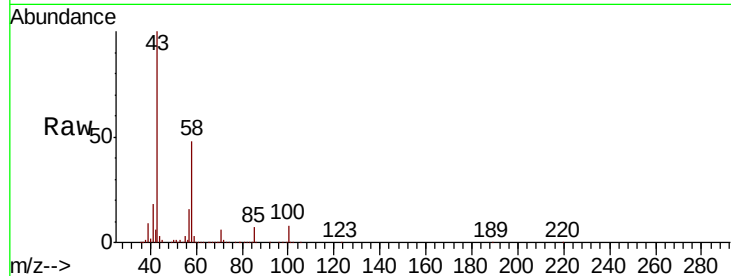
#51
2-Hexanone
Concen: 9.825 ppbv
RT: 10.16 min Scan# 2292
Delta R.T. -0.02 min
Lab File: VL034821.D
Acq: 6 Mar 2020 19:12

Instrument :
MSVOA_L
ClientSampleId :
VL0306ABS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.7	38.6	58.0
98	0.0	0.2	0.4#

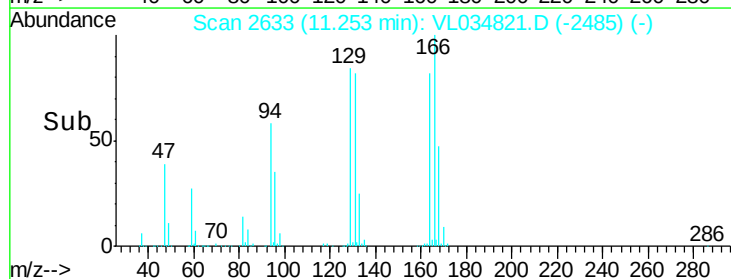
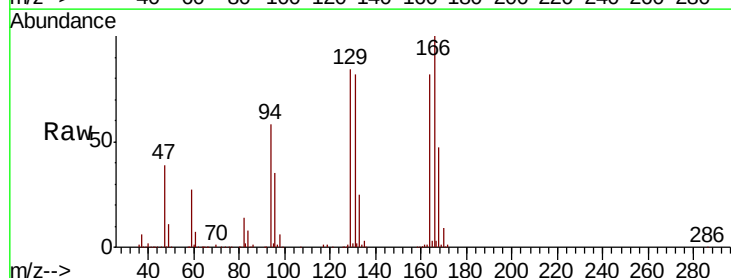
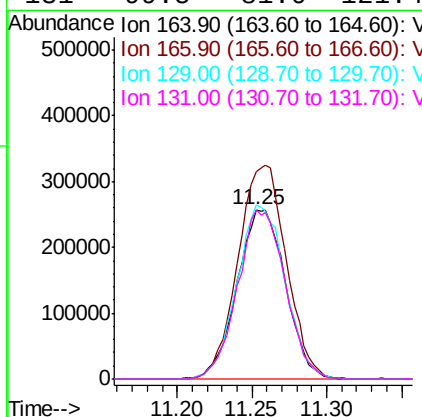
Manual Integrations
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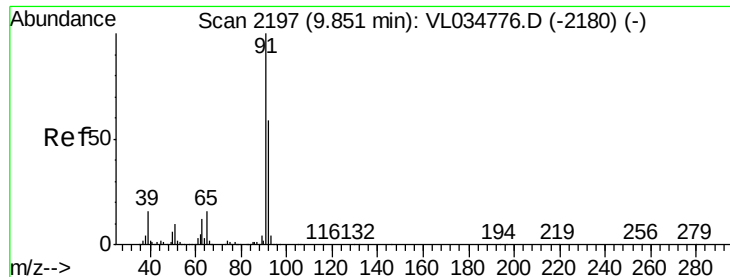
MMDadoda
3/9/2020 9:20:31 AM



#52
Tetrachloroethene
Concen: 9.340 ppbv
RT: 11.25 min Scan# 2633
Delta R.T. -0.03 min
Lab File: VL034821.D
Acq: 6 Mar 2020 19:12

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.9	103.3	154.9
129	102.4	79.0	118.4
131	99.5	81.0	121.4





#53

Toluene

Concen: 10.083 ppbv

RT: 9.83 min Scan# 2192

Delta R.T. -0.02 min

Lab File: VL034821.D

Acq: 6 Mar 2020 19:12

Instrument :

MSVOA_L

ClientSampleId :

VL0306ABS01

Tot Ion: 91 Resp: 1790268

Ion Ratio Lower Upper

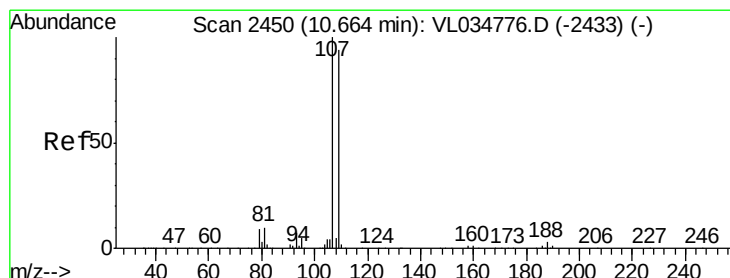
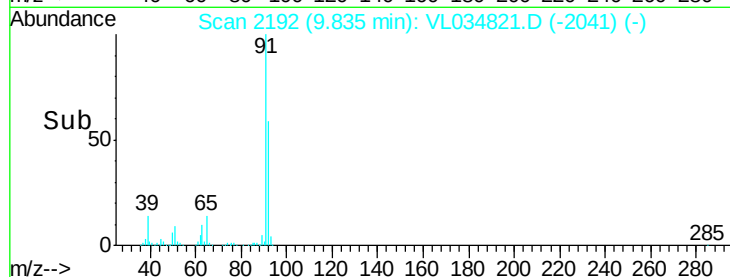
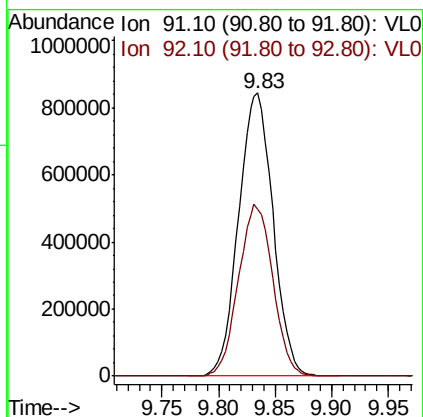
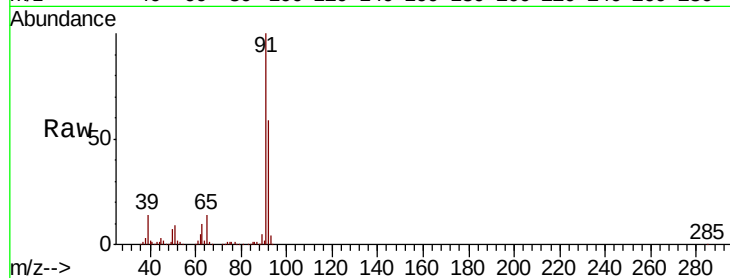
91 100

92 60.5 48.2 72.2

Manual Integrations
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MMDadoda

3/9/2020 9:20:31 AM



#54

1,2-Dibromoethane

Concen: 8.876 ppbv

RT: 10.65 min Scan# 2444

Delta R.T. -0.02 min

Lab File: VL034821.D

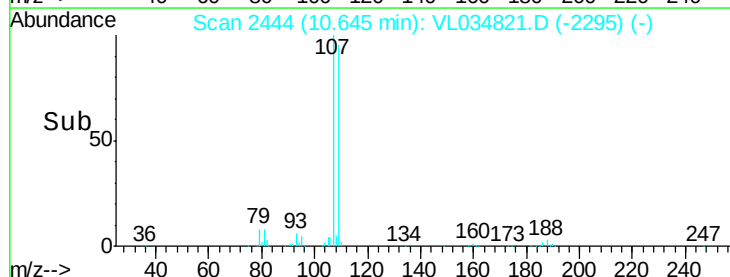
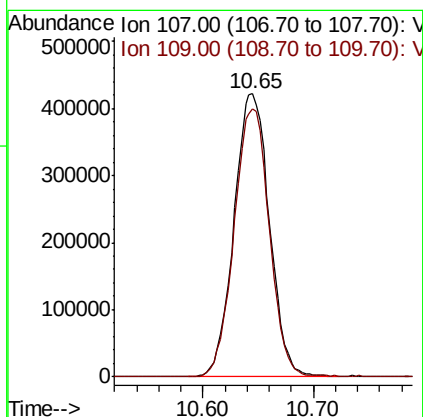
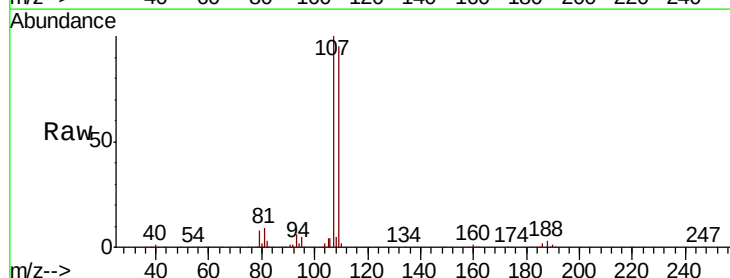
Acq: 6 Mar 2020 19:12

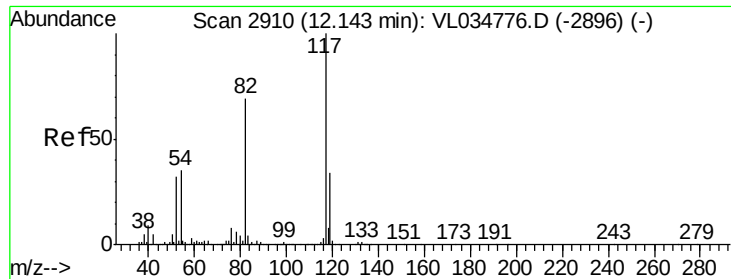
Tgt Ion: 107 Resp: 938158

Ion Ratio Lower Upper

107 100

109 94.8 75.0 112.6





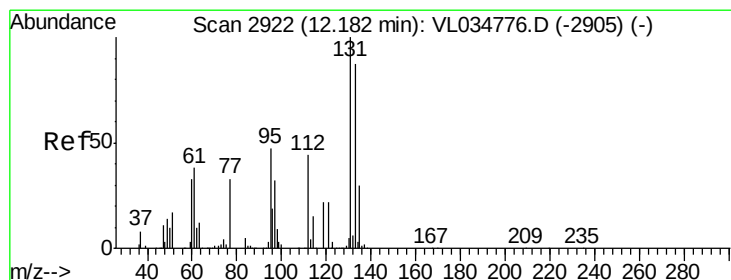
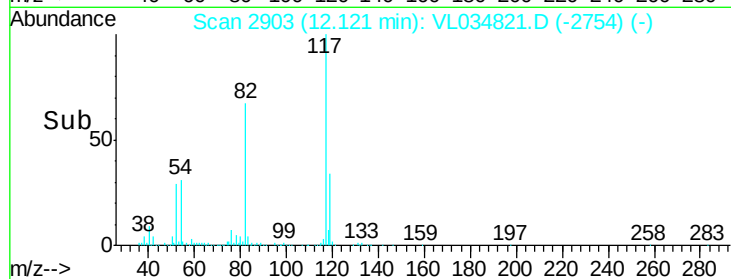
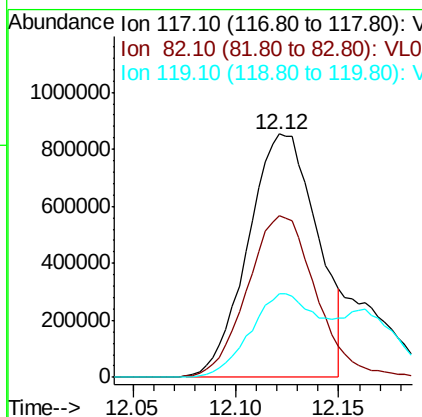
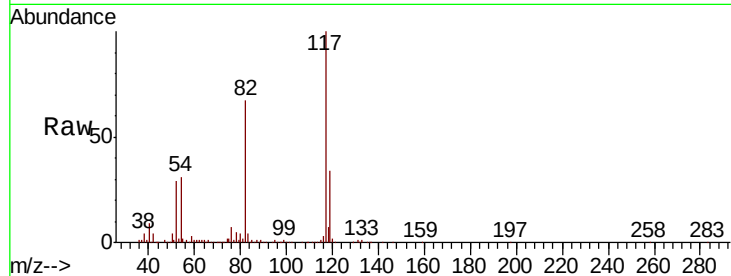
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.12 min Scan# 2903
Delta R.T. -0.02 min
Lab File: VL034821.D
Acq: 6 Mar 2020 19:12

Instrument :
MSVOA_L
ClientSampleId :
VL0306ABS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	66.6	53.9	80.9
119	57.6	25.0	37.4

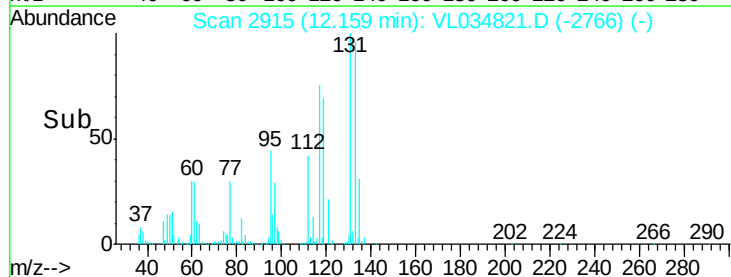
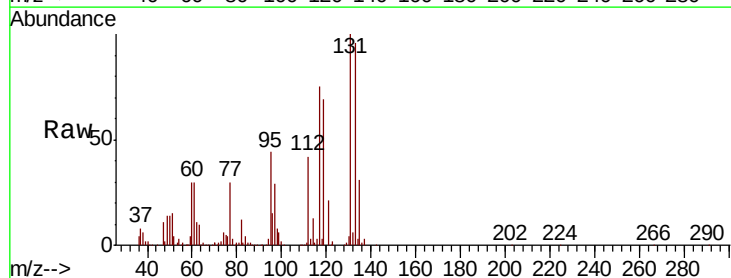
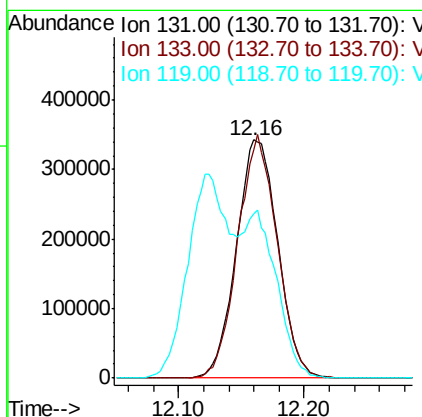
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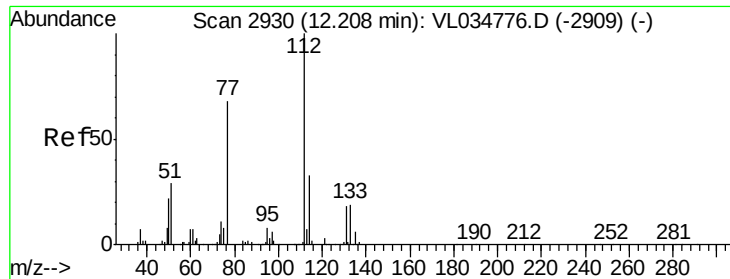
MMDadoda
3/9/2020 9:20:31 AM



#56
1,1,1,2-Tetrachloroethane
Concen: 8.919 ppbv
RT: 12.16 min Scan# 2915
Delta R.T. -0.02 min
Lab File: VL034821.D
Acq: 6 Mar 2020 19:12

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.2	75.4	113.0
119	145.9	110.5	165.7





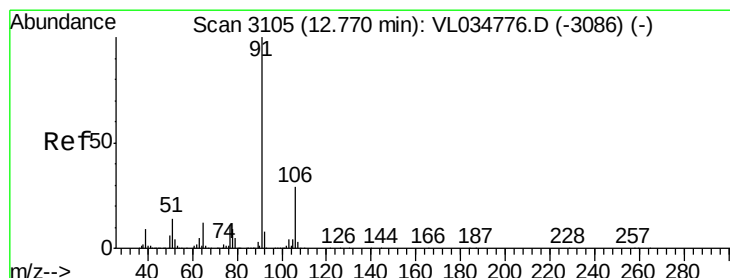
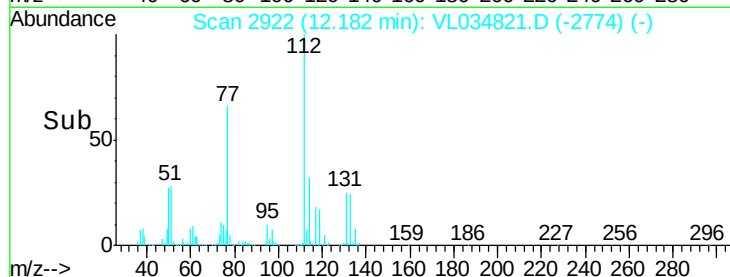
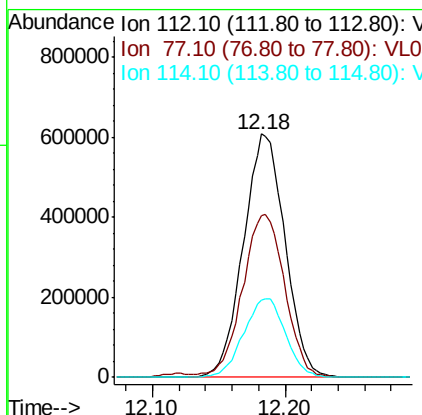
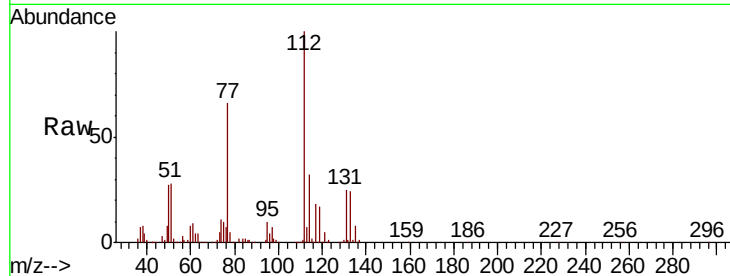
#57
Chlorobenzene
Concen: 8.692 ppbv
RT: 12.18 min Scan# 2922
Delta R.T. -0.03 min
Lab File: VL034821.D
Acq: 6 Mar 2020 19:12

Instrument :
MSVOA_L
ClientSampleId :
VL0306ABS01

Tot Ion	Ratio	Lower	Upper
112	100		
77	66.2	55.6	83.4
114	31.5	29.4	36.0

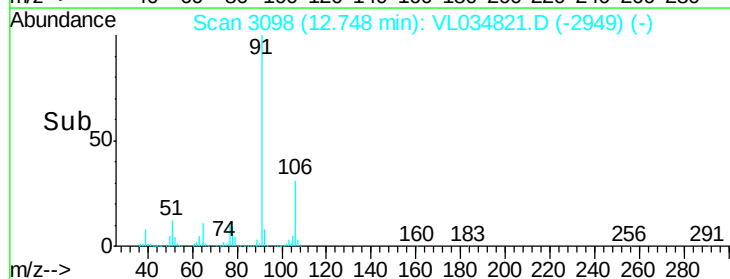
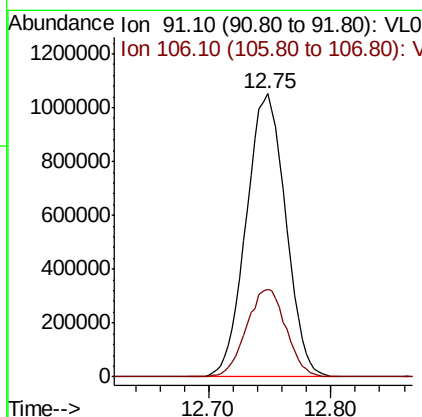
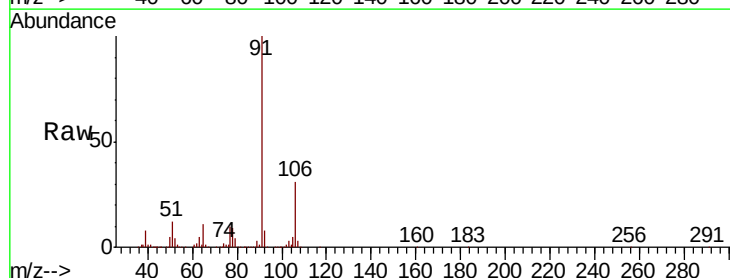
Manual Integrations
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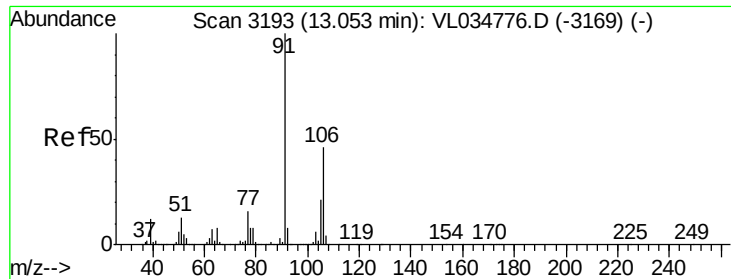
MMDadoda
3/9/2020 9:20:31 AM



#58
Ethyl Benzene
Concen: 9.602 ppbv
RT: 12.75 min Scan# 3098
Delta R.T. -0.02 min
Lab File: VL034821.D
Acq: 6 Mar 2020 19:12

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.8	22.8	34.2





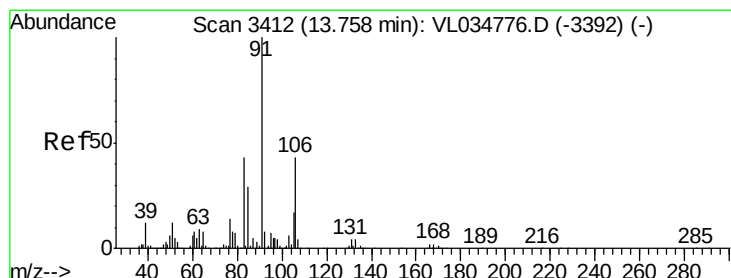
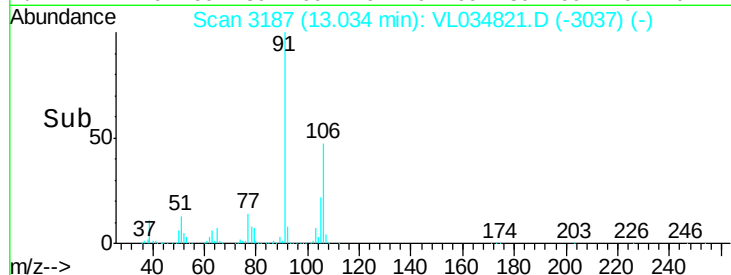
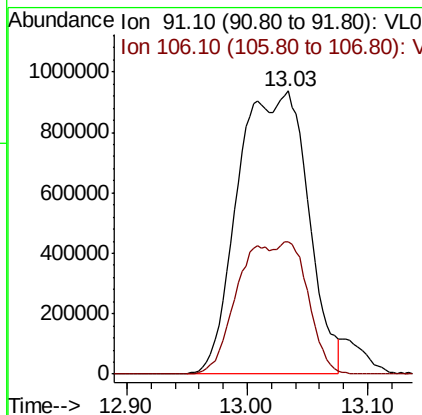
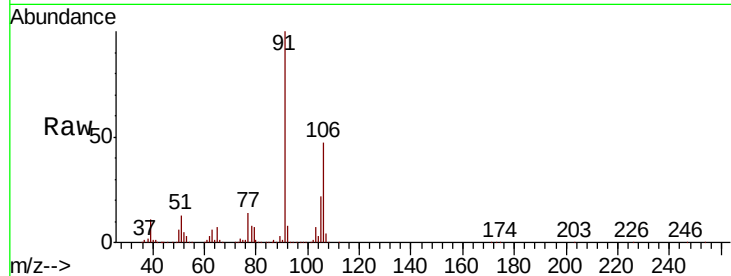
#59
m/p-Xylene
Concen: 17.856 ppbv m
RT: 13.03 min Scan# 3187
Delta R.T. -0.02 min
Lab File: VL034821.D
Acq: 6 Mar 2020 19:12

Instrument :
MSVOA_L
ClientSampleId :
VL0306ABS01

Tot Ion: 91 Resp: 3790770
Ion Ratio Lower Upper
91 100
106 46.1 35.8 53.8

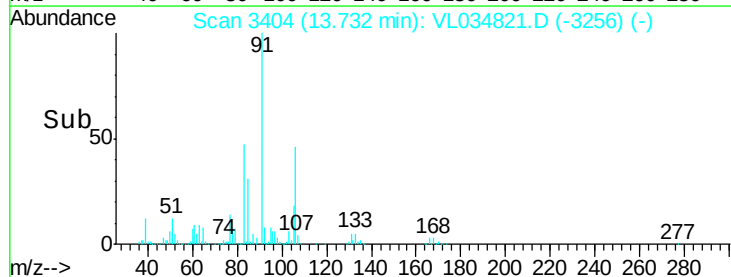
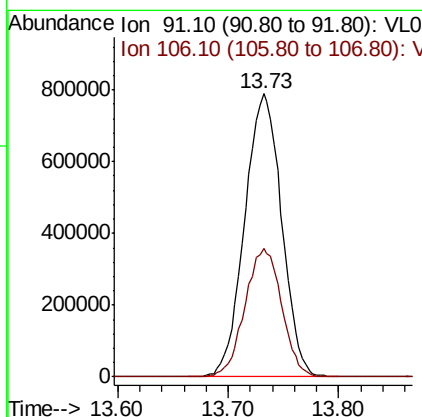
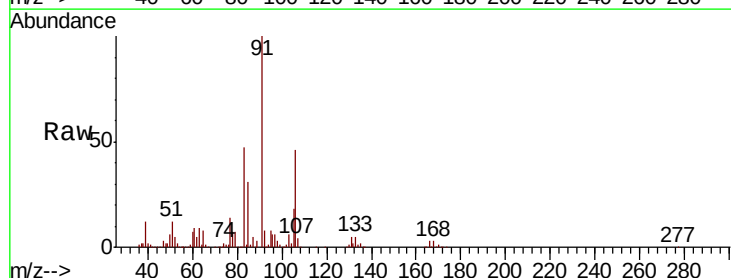
Manual Integrations
APPROVED

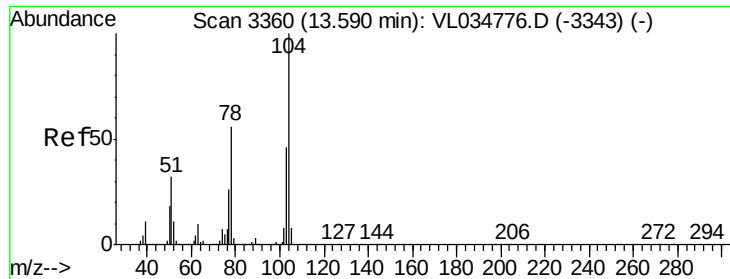
MMDadoda
3/9/2020 9:20:31 AM



#60
o-Xylene
Concen: 8.528 ppbv
RT: 13.73 min Scan# 3404
Delta R.T. -0.03 min
Lab File: VL034821.D
Acq: 6 Mar 2020 19:12

Tgt Ion: 91 Resp: 1831896
Ion Ratio Lower Upper
91 100
106 45.0 21.7 65.1





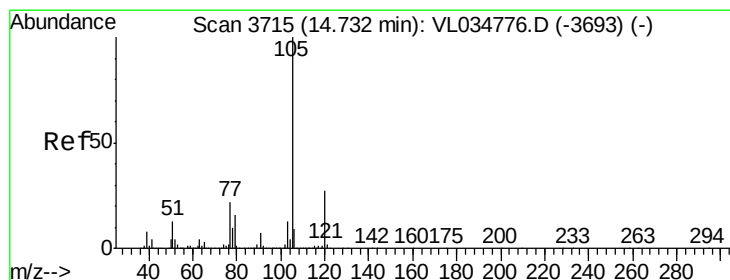
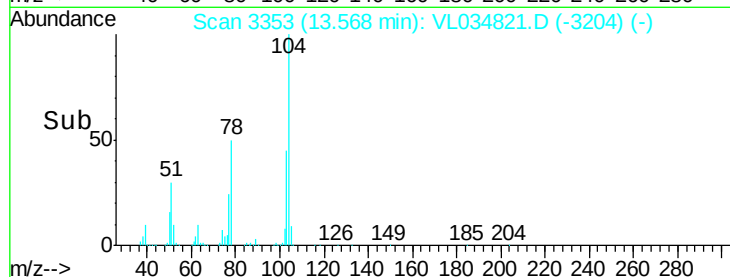
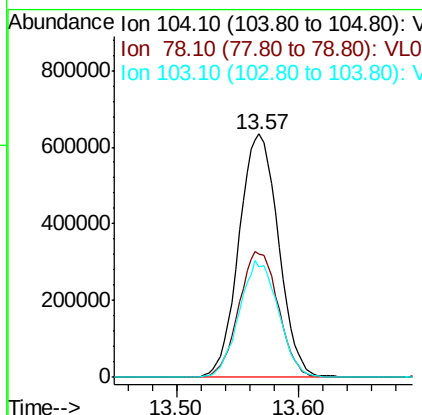
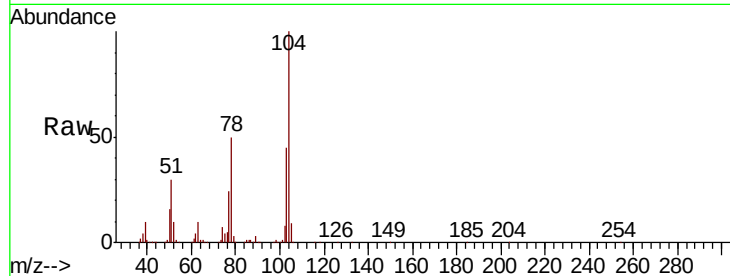
#61
Stvrene
Concen: 10.651 ppbv
RT: 13.57 min Scan# 3353
Delta R.T. -0.02 min
Lab File: VL034821.D
Acq: 6 Mar 2020 19:12

Instrument :
MSVOA_L
ClientSampleId :
VL0306ABS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	51.7	44.7	67.1
103	47.6	38.2	57.2

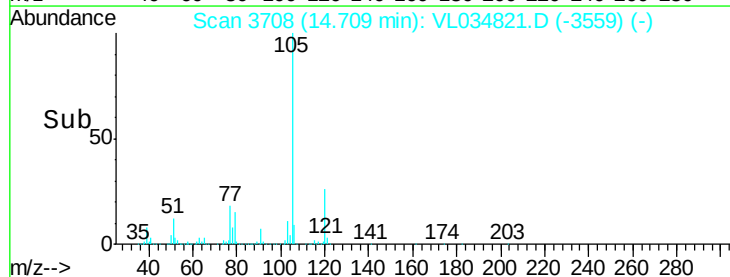
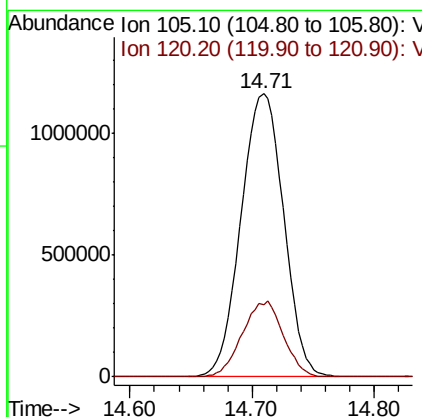
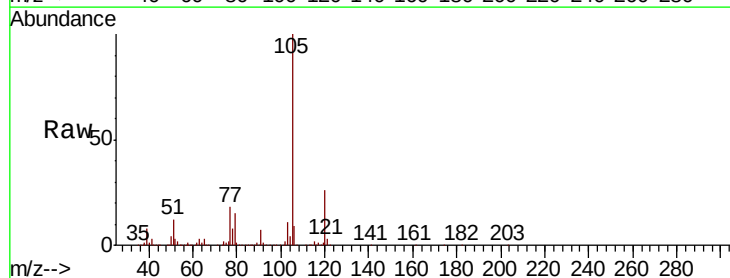
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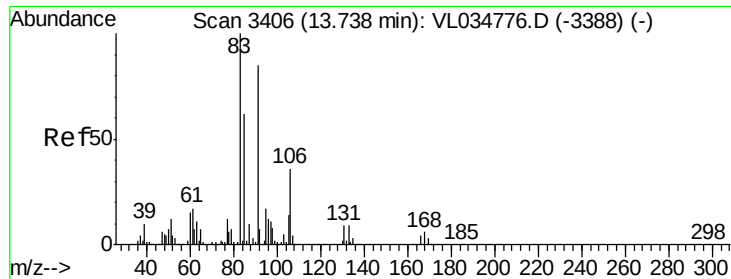
MMDadoda
3/9/2020 9:20:31 AM



#62
Isopropylbenzene
Concen: 8.882 ppbv
RT: 14.71 min Scan# 3708
Delta R.T. -0.02 min
Lab File: VL034821.D
Acq: 6 Mar 2020 19:12

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.8	20.5	30.7





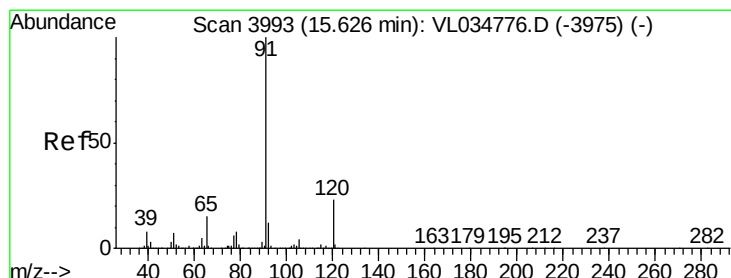
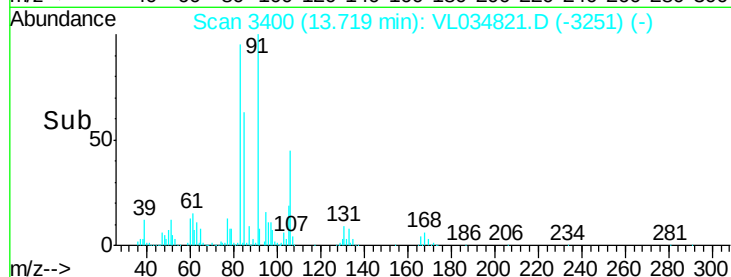
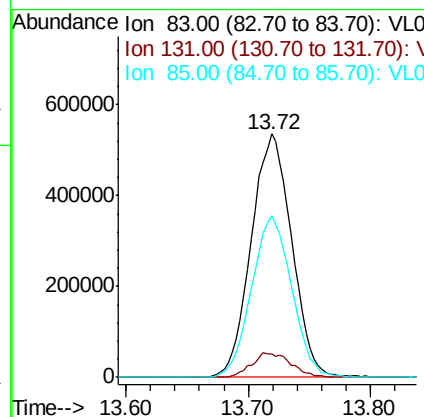
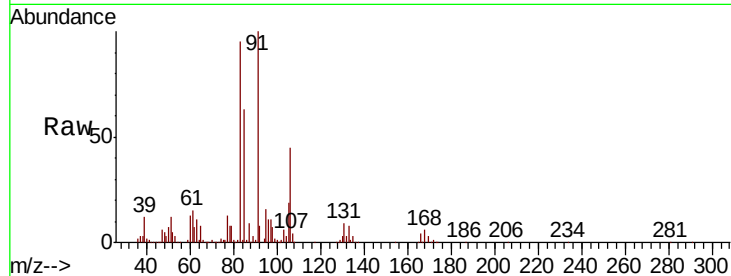
#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.254 ppbv
 RT: 13.72 min Scan# 3400
 Delta R.T. -0.02 min
 Lab File: VL034821.D
 Acq: 6 Mar 2020 19:12

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0306ABS01

Tot Ion	83	Resp	1228374
Ion Ratio	100	Lower	Upper
83	100		
131	9.8	4.7	14.0
85	66.0	32.9	98.7

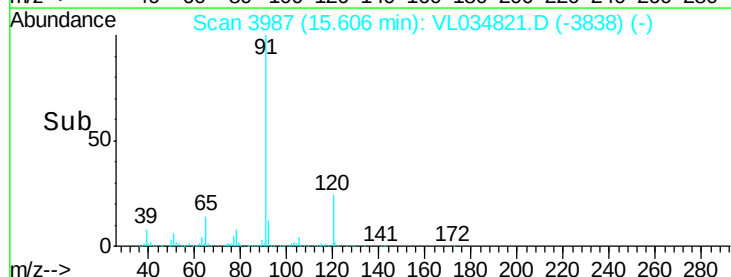
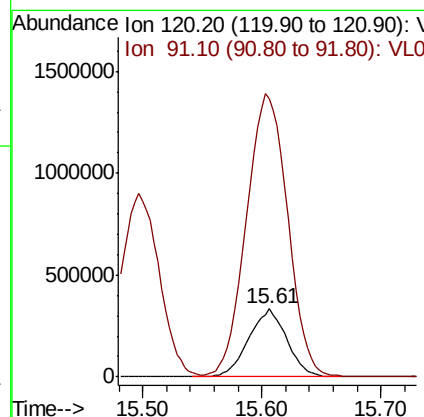
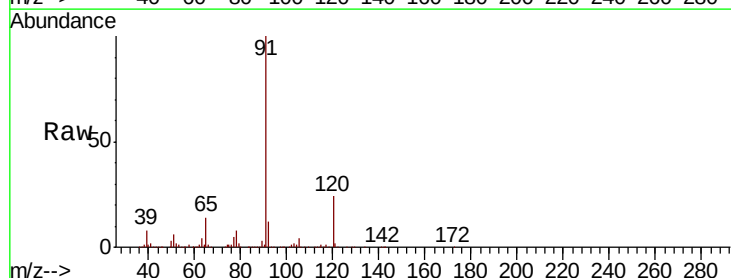
Manual Integrations
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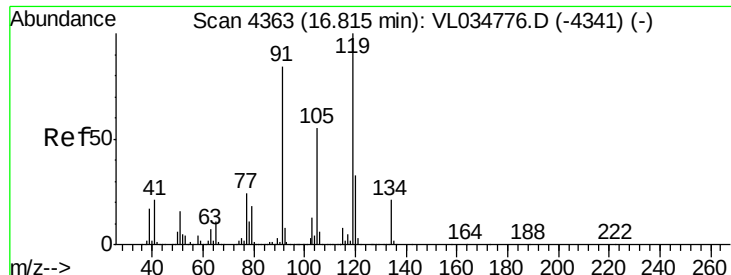
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#64
 n-propylbenzene
 Concen: 9.327 ppbv
 RT: 15.61 min Scan# 3987
 Delta R.T. -0.02 min
 Lab File: VL034821.D
 Acq: 6 Mar 2020 19:12

Tgt Ion	120	Resp	739321
Ion Ratio	100	Lower	Upper
120	100		
91	452.5	379.4	569.2





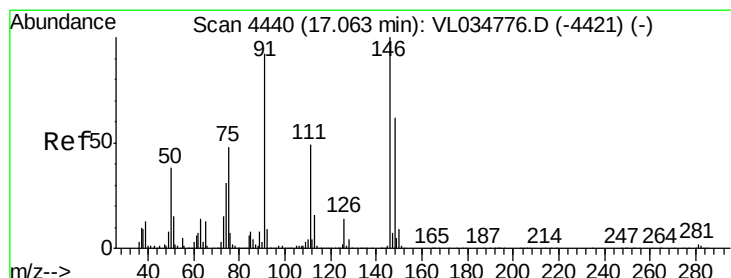
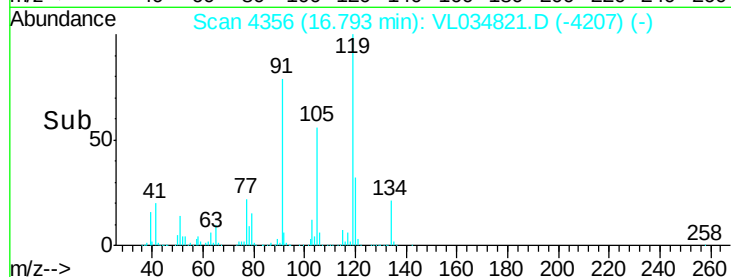
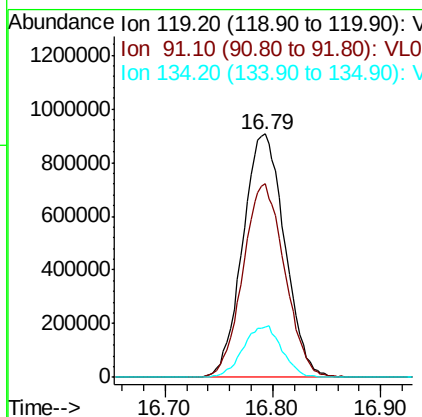
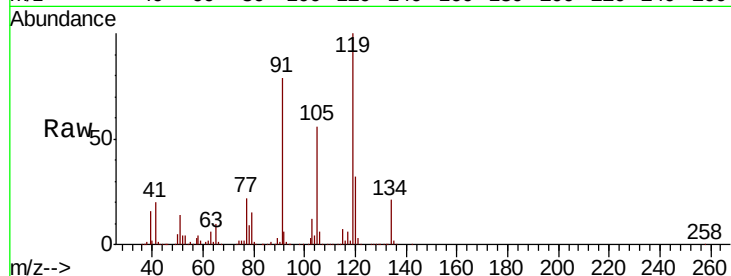
#65
 tert-Butylbenzene
 Concen: 9.157 ppbv
 RT: 16.79 min Scan# 4356
 Delta R.T. -0.02 min
 Lab File: VL034821.D
 Acq: 6 Mar 2020 19:12

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0306ABS01

Tot Ion: 119 Resp: 2446440
 Ion Ratio Lower Upper
 119 100
 91 79.3 69.8 104.6
 134 19.7 15.9 23.9

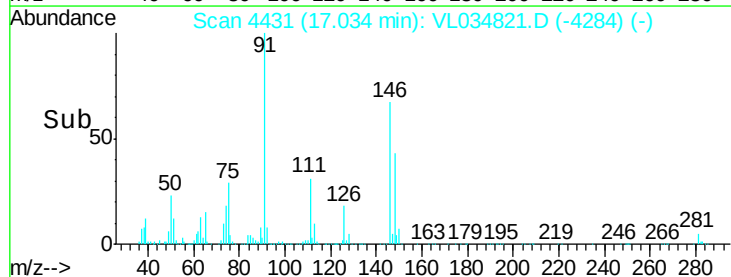
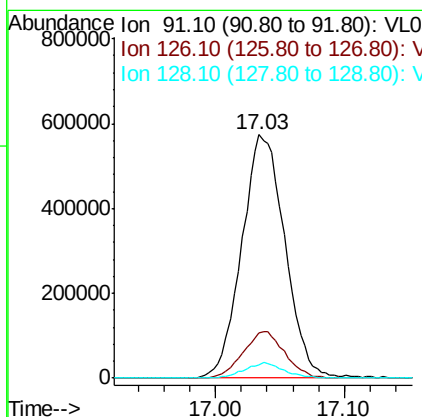
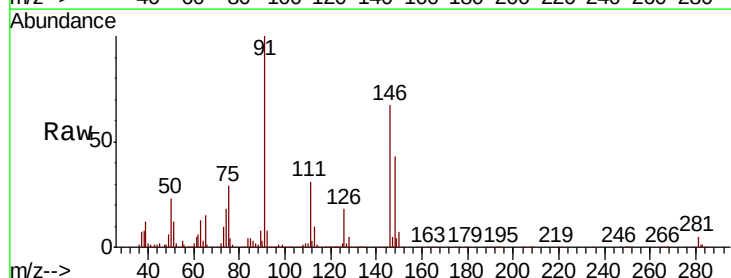
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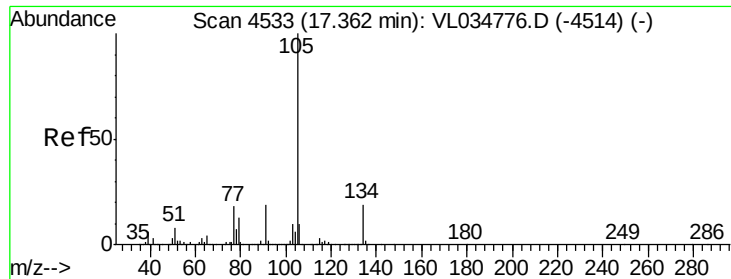
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#66
 Benzyl Chloride
 Concen: 15.383 ppbv
 RT: 17.03 min Scan# 4431
 Delta R.T. -0.03 min
 Lab File: VL034821.D
 Acq: 6 Mar 2020 19:12

Tgt Ion: 91 Resp: 1328701
 Ion Ratio Lower Upper
 91 100
 126 18.6 12.6 18.8
 128 5.8 4.3 6.5





#67

sec-Butylbenzene

Concen: 8.763 ppbv

RT: 17.34 min Scan# 4527

Delta R.T. -0.02 min

Lab File: VL034821.D

Acq: 6 Mar 2020 19:12

Instrument :

MSVOA_L

ClientSampleId :

VL0306ABS01

Tot Ion: 105 Resp: 3411601

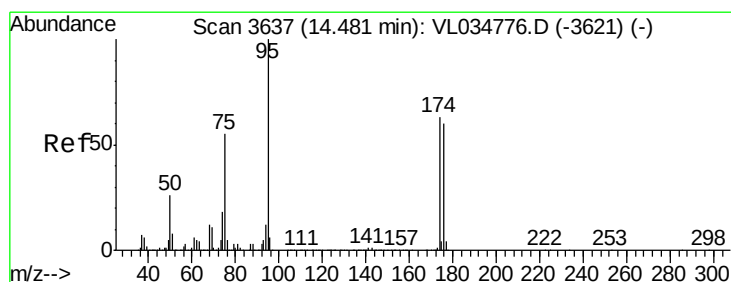
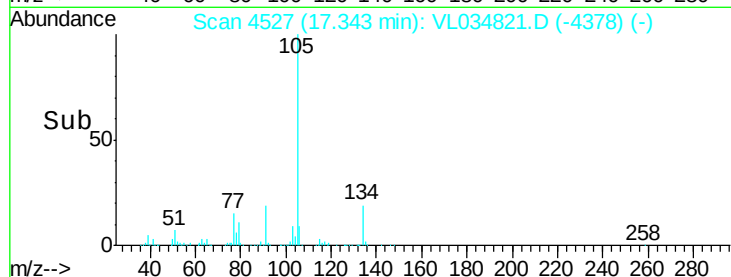
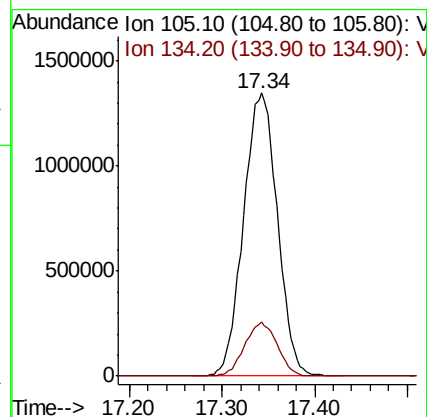
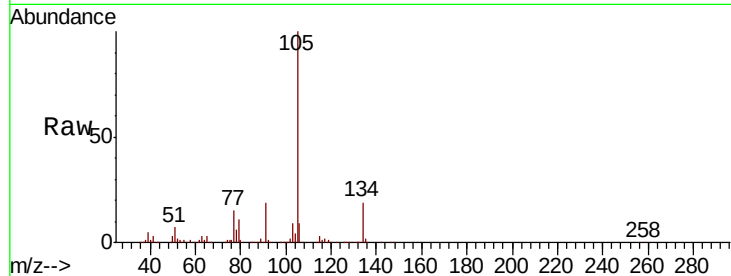
Ion Ratio Lower Upper

105 100

134 18.5 14.7 22.1

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#68

1-Bromo-4-Fluorobenzene

Concen: 9.370 ppbv

RT: 14.46 min Scan# 3630

Delta R.T. -0.02 min

Lab File: VL034821.D

Acq: 6 Mar 2020 19:12

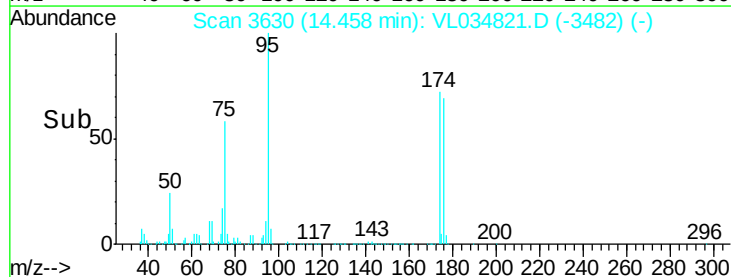
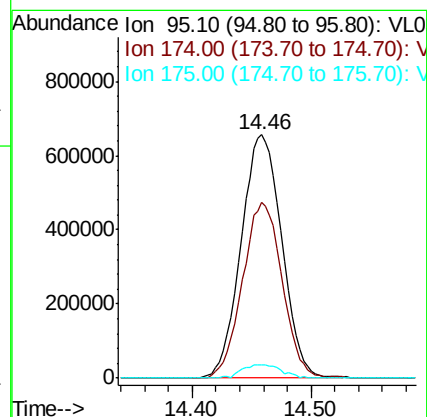
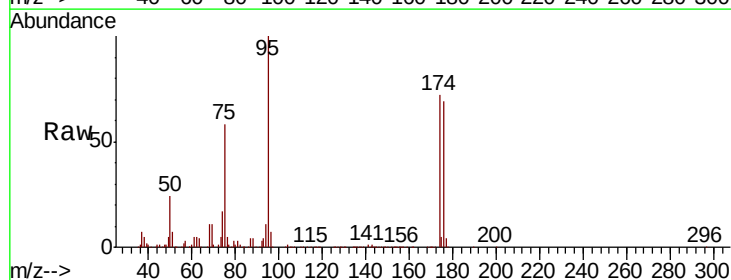
Tgt Ion: 95 Resp: 1554838

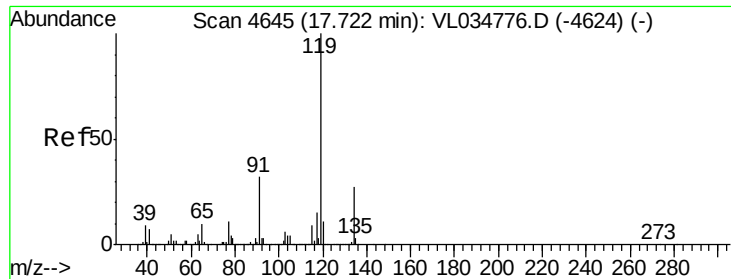
Ion Ratio Lower Upper

95 100

174 70.6 50.6 76.0

175 5.4 3.8 5.6





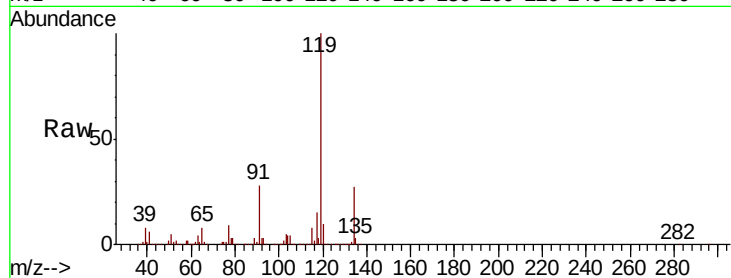
#69
 p-Isopropyltoluene
 Concen: 9.277 ppbv
 RT: 17.70 min Scan# 4639
 Delta R.T. -0.02 min
 Lab File: VL034821.D
 Acq: 6 Mar 2020 19:12

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0306ABS01

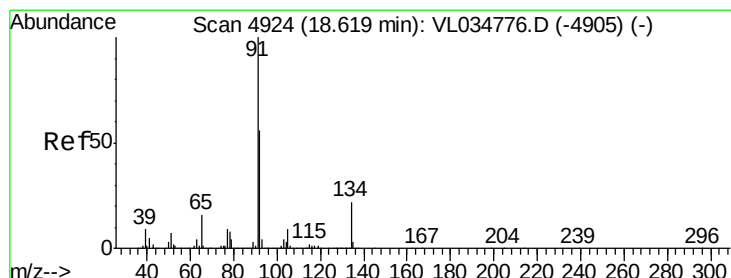
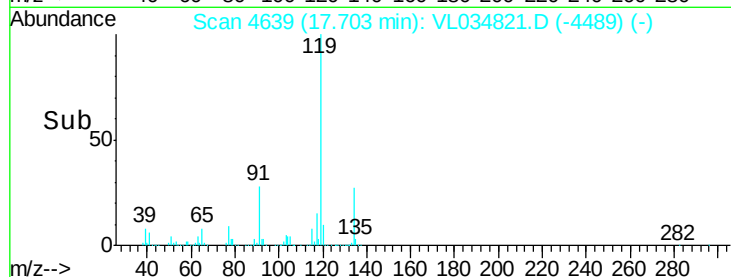
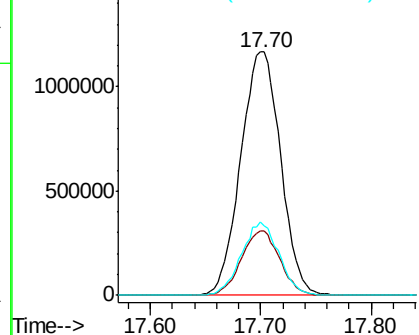
Tot Ion:	119	Resp:	2922781
Ion	Ratio	Lower	Upper
119	100		
134	25.6	20.6	30.8
91	28.5	25.3	37.9

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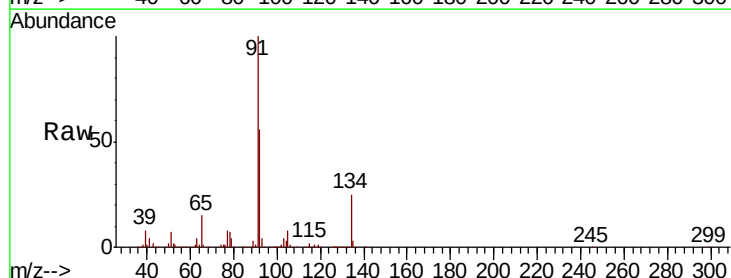


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

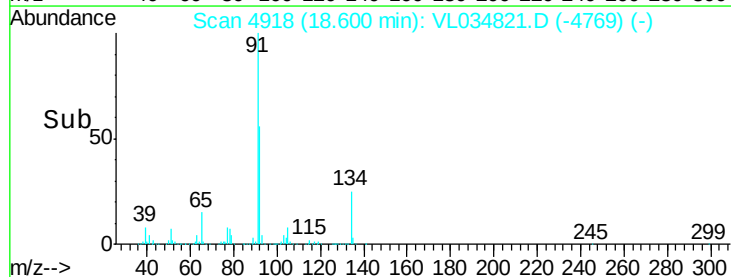
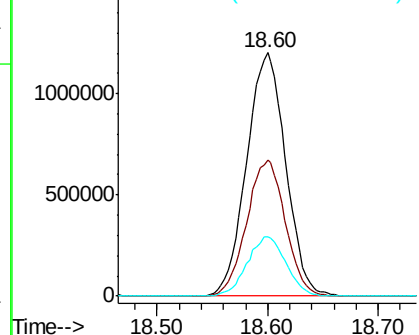


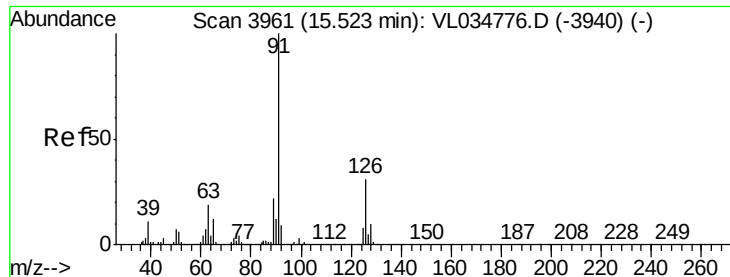
#70
 n-Butylbenzene
 Concen: 8.542 ppbv
 RT: 18.60 min Scan# 4918
 Delta R.T. -0.02 min
 Lab File: VL034821.D
 Acq: 6 Mar 2020 19:12

Tgt Ion:	91	Resp:	2942785
Ion	Ratio	Lower	Upper
91	100		
92	55.4	44.0	66.0
134	24.2	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





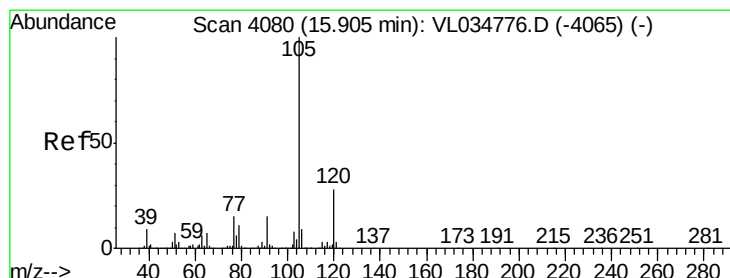
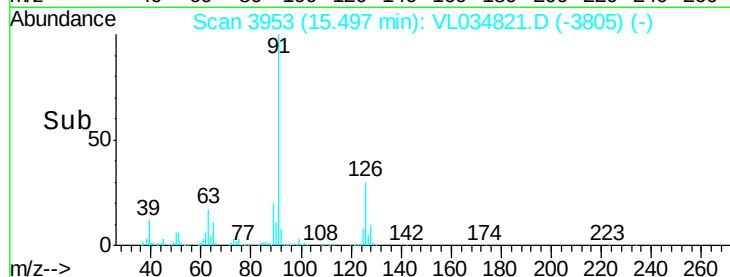
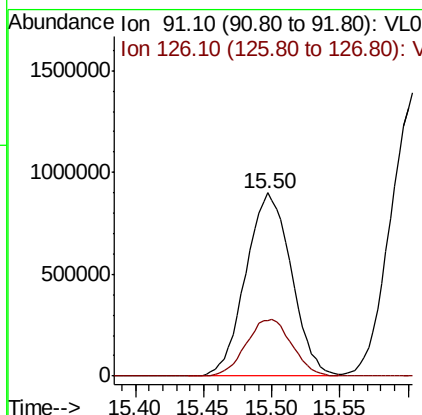
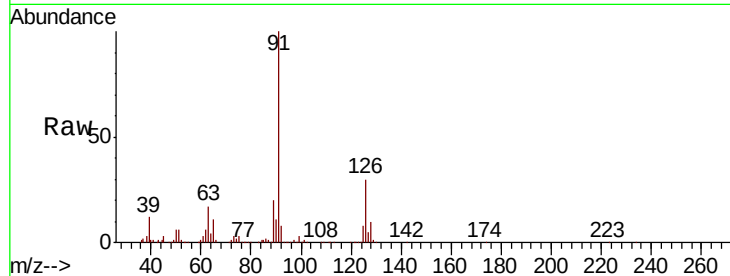
#71
 2-Chlorotoluene
 Concen: 8.742 ppbv
 RT: 15.50 min Scan# 3953
 Delta R.T. -0.03 min
 Lab File: VL034821.D
 Acq: 6 Mar 2020 19:12

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0306ABS01

Tot Ion: 91 Resp: 2087291
 Ion Ratio Lower Upper
 91 100
 126 31.4 11.7 46.7

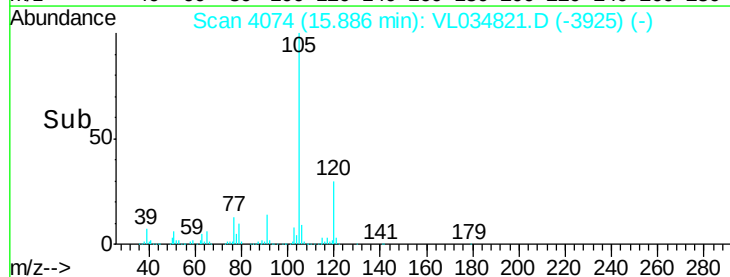
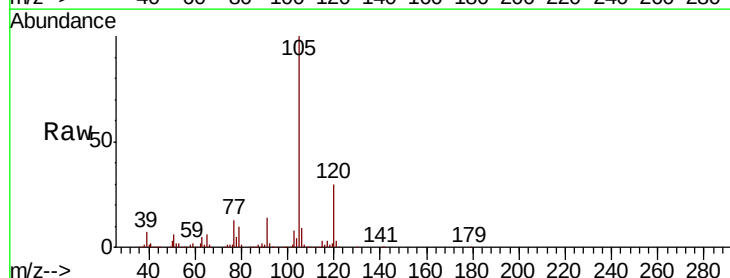
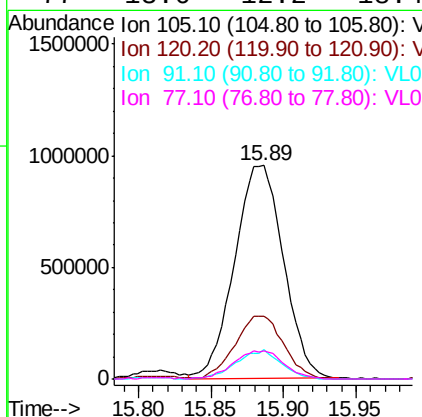
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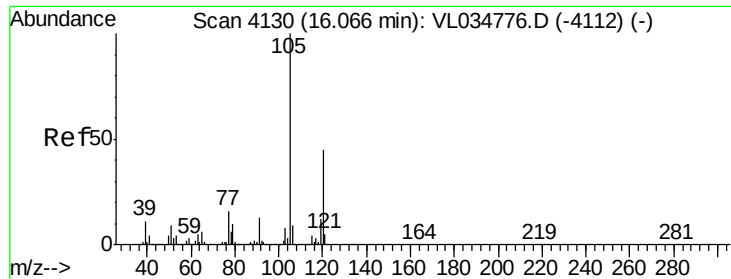
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#72
 4-Ethyltoluene
 Concen: 9.381 ppbv
 RT: 15.89 min Scan# 4074
 Delta R.T. -0.02 min
 Lab File: VL034821.D
 Acq: 6 Mar 2020 19:12

Tgt Ion: 105 Resp: 2243628
 Ion Ratio Lower Upper
 105 100
 120 29.6 23.0 34.6
 91 12.5 11.1 16.7
 77 13.6 12.2 18.4





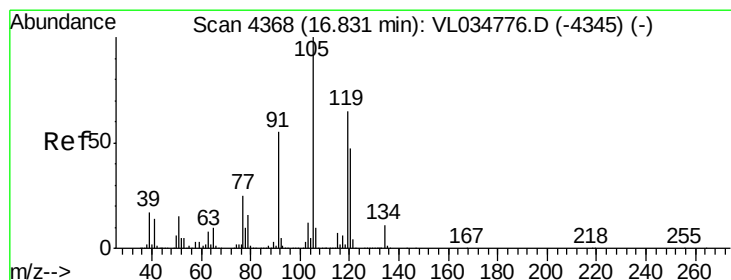
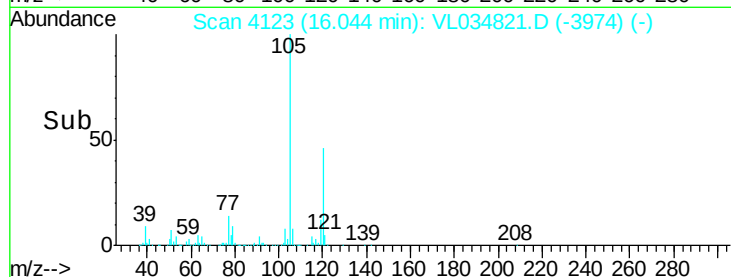
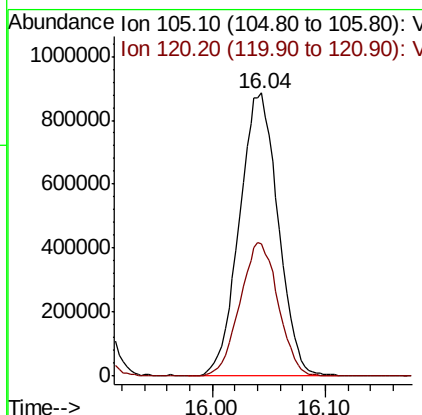
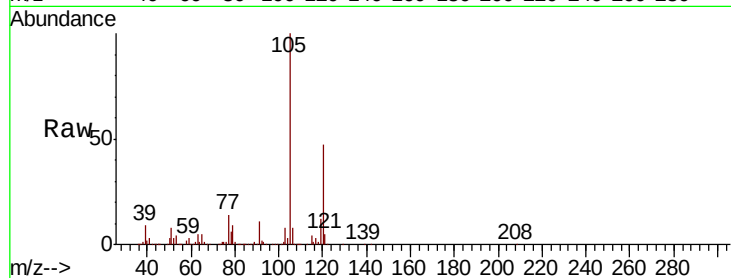
#73
 1,3,5-Trimethylbenzene
 Concen: 9.149 ppbv
 RT: 16.04 min Scan# 4123
 Delta R.T. -0.02 min
 Lab File: VL034821.D
 Acq: 6 Mar 2020 19:12

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0306ABS01

Tot Ion:105 Resp: 2098875
 Ion Ratio Lower Upper
 105 100
 120 46.9 35.6 53.4

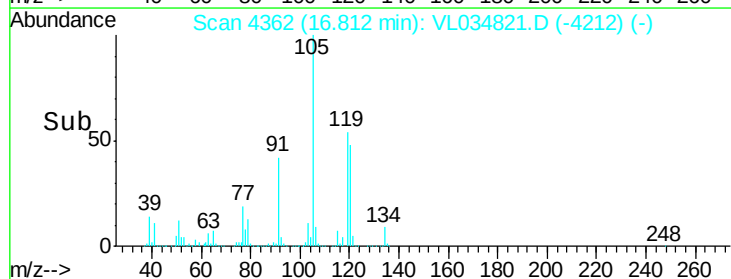
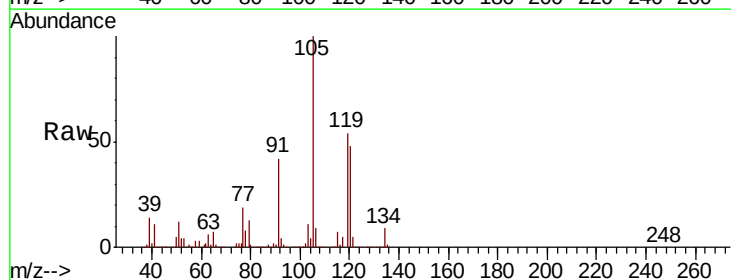
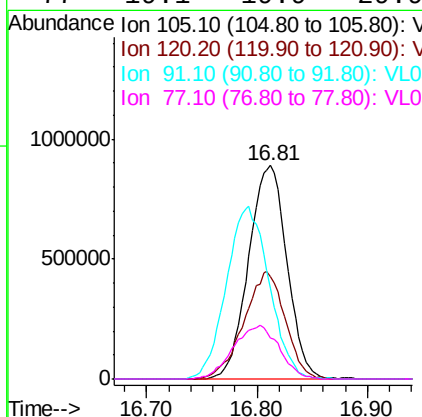
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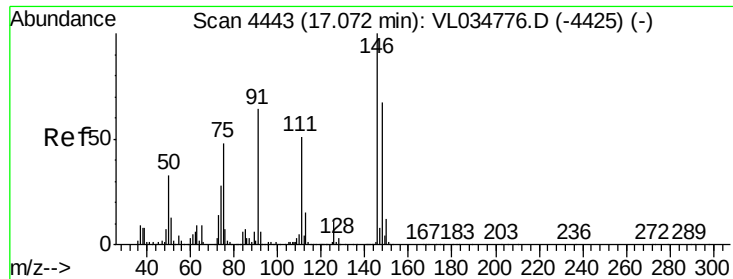
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#74
 1,2,4-Trimethylbenzene
 Concen: 8.591 ppbv
 RT: 16.81 min Scan# 4362
 Delta R.T. -0.02 min
 Lab File: VL034821.D
 Acq: 6 Mar 2020 19:12

Tgt Ion:105 Resp: 2142393
 Ion Ratio Lower Upper
 105 100
 120 47.6 37.8 56.6
 91 42.2 43.8 65.8#
 77 19.1 19.9 29.9#





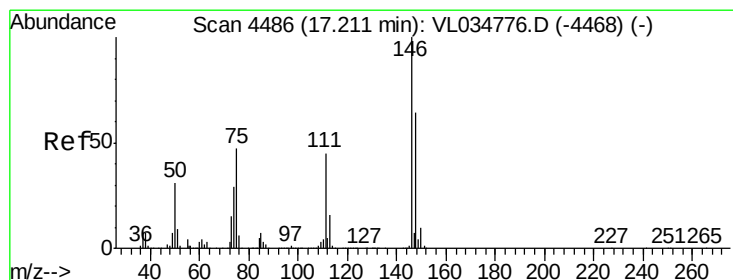
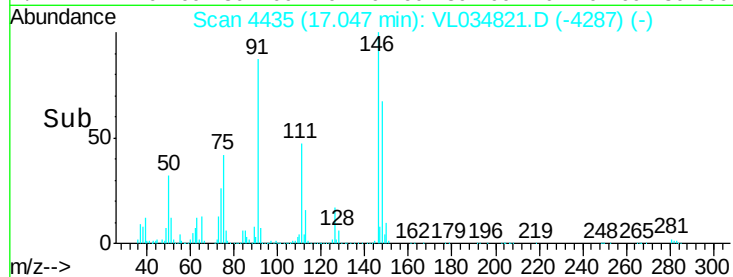
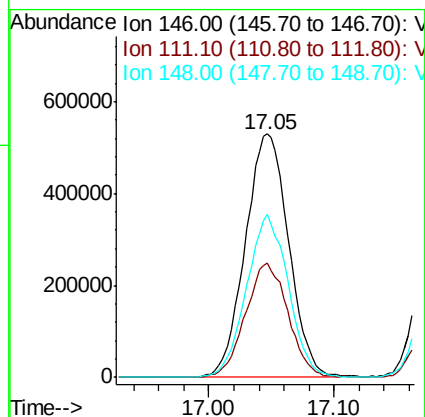
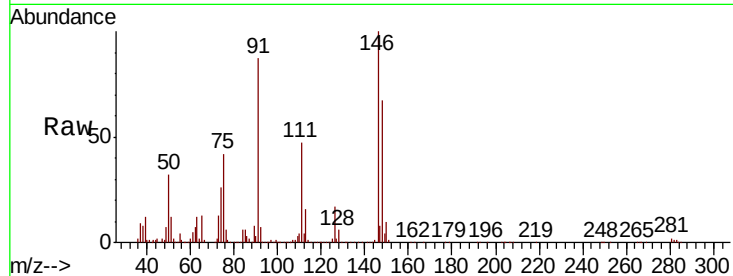
#75
 1,3-Dichlorobenzene
 Concen: 8.615 ppbv
 RT: 17.05 min Scan# 4435
 Delta R.T. -0.03 min
 Lab File: VL034821.D
 Acq: 6 Mar 2020 19:12

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0306ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.1	24.7	74.1
148	64.6	31.8	95.4

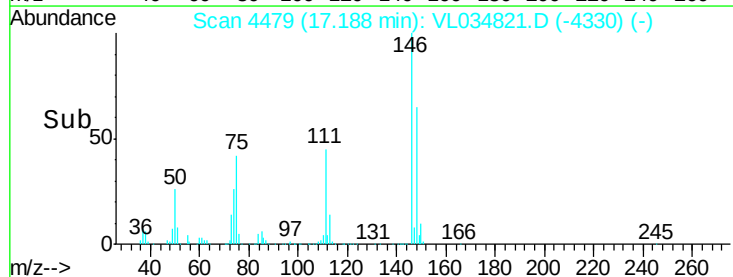
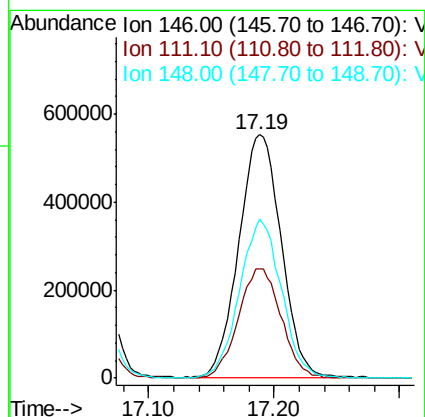
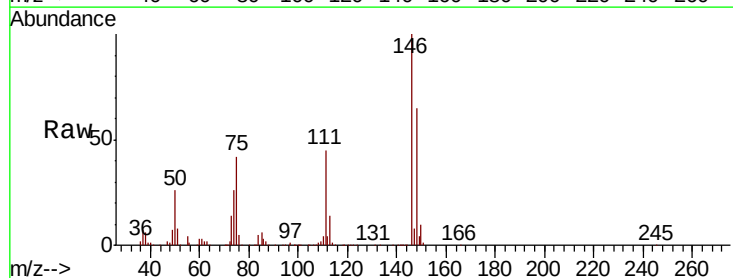
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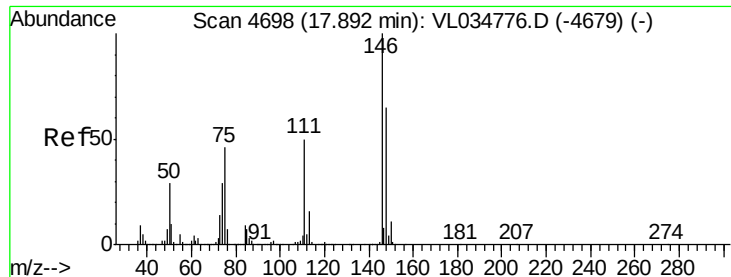
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#76
 1,4-Dichlorobenzene
 Concen: 9.136 ppbv
 RT: 17.19 min Scan# 4479
 Delta R.T. -0.02 min
 Lab File: VL034821.D
 Acq: 6 Mar 2020 19:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.2	23.5	70.5
148	65.0	32.2	96.6





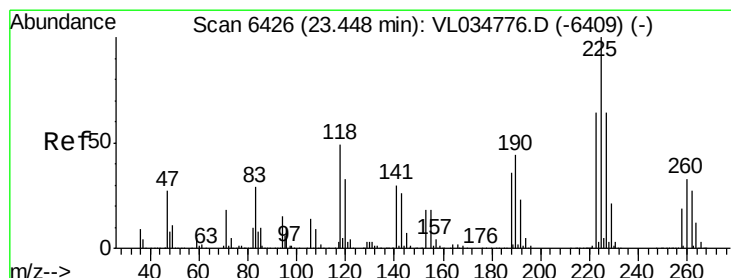
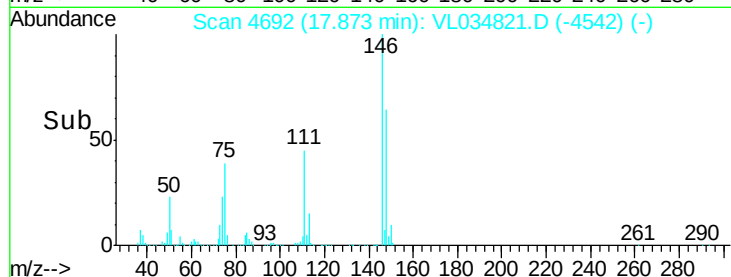
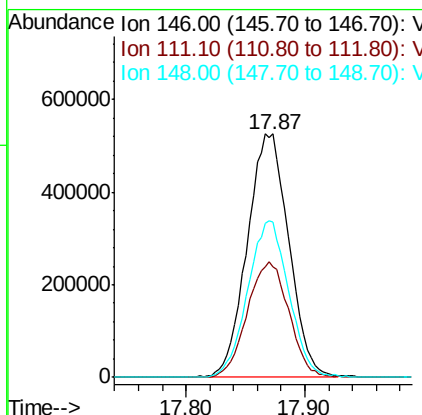
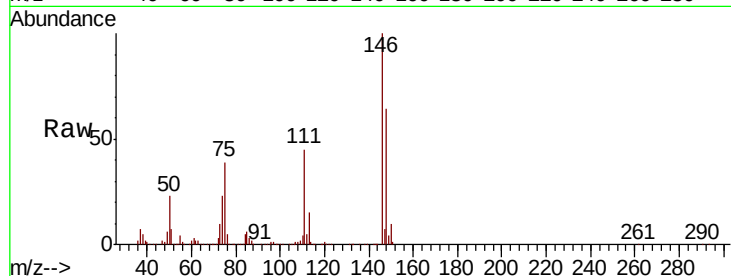
#77
 1,2-Dichlorobenzene
 Concen: 9.008 ppbv
 RT: 17.87 min Scan# 4692
 Delta R.T. -0.02 min
 Lab File: VL034821.D
 Acq: 6 Mar 2020 19:12

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0306ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.5	25.3	75.8
148	63.6	32.3	96.9

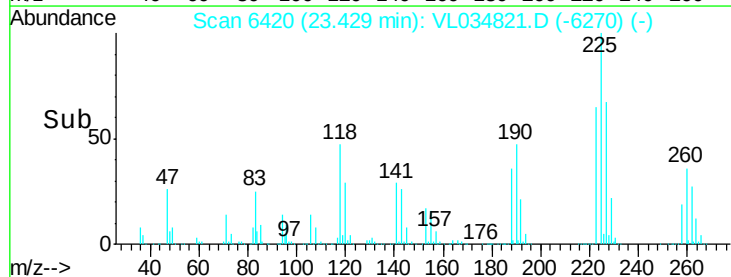
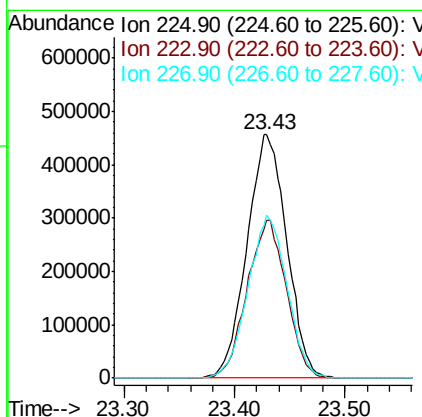
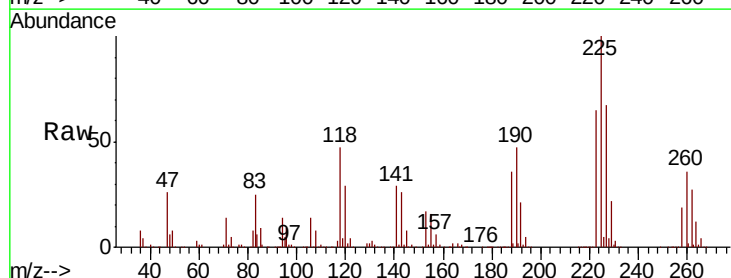
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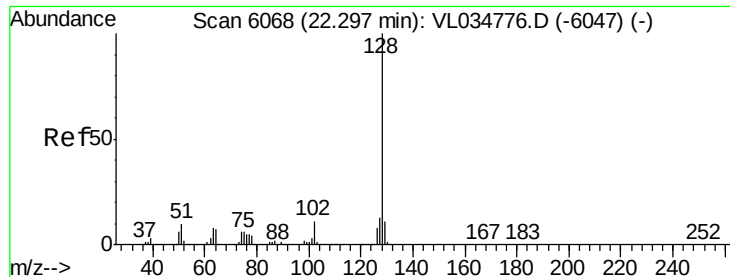
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#78
 Hexachloro-1,3-Butadiene
 Concen: 9.663 ppbv
 RT: 23.43 min Scan# 6420
 Delta R.T. -0.02 min
 Lab File: VL034821.D
 Acq: 6 Mar 2020 19:12

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.0	51.3	76.9
227	65.7	51.9	77.9





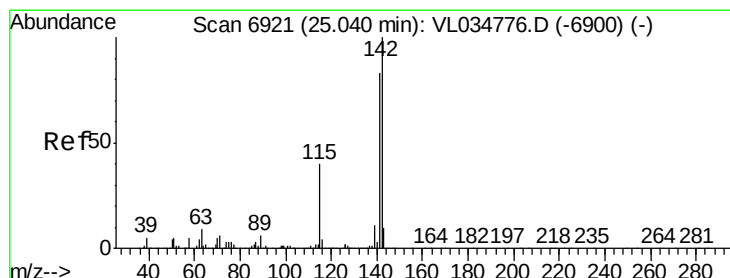
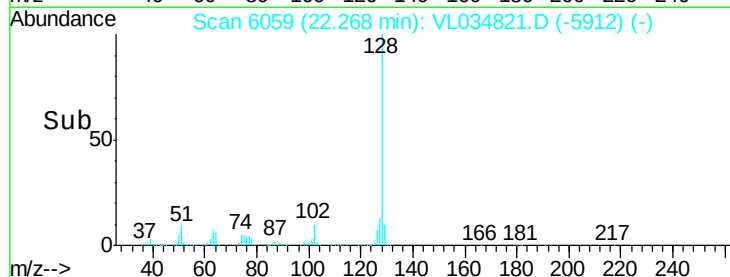
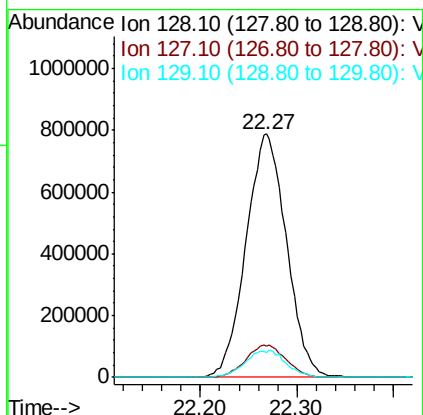
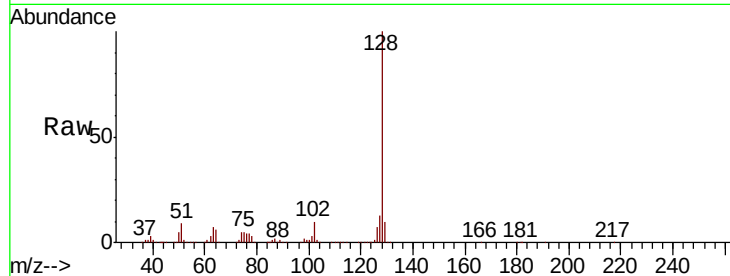
#79
Naphthalene
Concen: 12.184 ppbv
RT: 22.27 min Scan# 6059
Delta R.T. -0.03 min
Lab File: VL034821.D
Acq: 6 Mar 2020 19:12

Instrument :
MSVOA_L
ClientSampleId :
VL0306ABS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	10.0	9.0	13.6

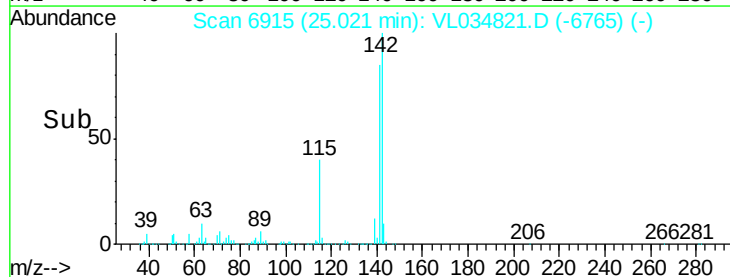
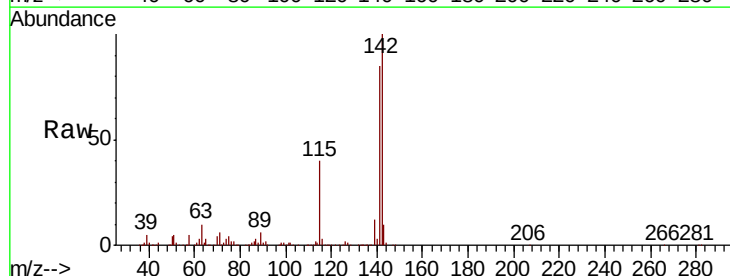
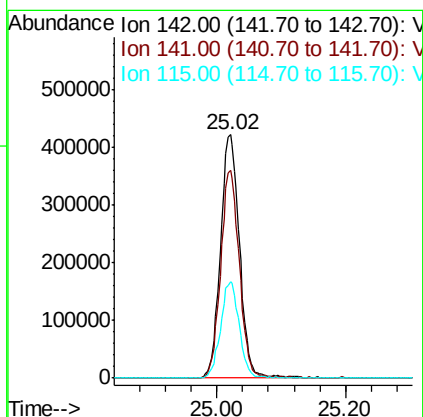
Manual Integrations
APPROVED

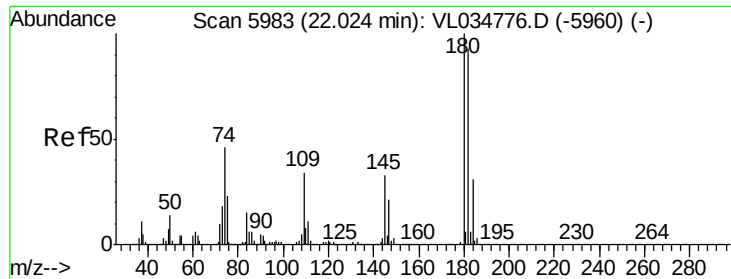
MMDadoda
3/9/2020 9:20:31 AM



#80
Naphthalene, 2-methyl-
Concen: 19.486 ppbv
RT: 25.02 min Scan# 6915
Delta R.T. -0.02 min
Lab File: VL034821.D
Acq: 6 Mar 2020 19:12

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.4	67.7	101.5
115	39.1	30.7	46.1





#81
 1,2,4-Trichlorobenzene
 Concen: 11.079 ppbv
 RT: 22.00 min Scan# 5974
 Delta R.T. -0.03 min
 Lab File: VL034821.D
 Acq: 6 Mar 2020 19:12

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0306ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.3	76.8	115.2
184	31.2	24.8	37.2

Manual Integrations
 APPROVED

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 3/9/2020 9:20:31 AM

