

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL031620\
 Data File : VL034888.D
 Acq On : 16 Mar 2020 13:23
 Operator : SY/AP
 Sample : VL0316ABSD01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0316ABSD01

Manual Integrations
 APPROVED

MMDadoda
 3/17/2020 12:15:43 PM

Quant Time: Mar 17 04:49:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 0
 QLast Update : Mon Mar 09 16:42:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	978843	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2159130	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	2244342	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	1772589	10.13	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.30%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.01	85	1557248	11.618	ppbv	99
3) Chlorodifluoromethane	2.94	51	1128078	10.317	ppbv	100
4) Chloromethane	3.10	50	644491	10.429	ppbv	96
5) Vinyl Chloride	3.21	62	617571	10.394	ppbv	95
6) Bromomethane	3.44	94	364089	10.527	ppbv	100
7) Chloroethane	3.52	64	231071	10.770	ppbv	95
8) Dichlorotetrafluoroethane	3.15	85	1368137	9.828	ppbv	98
9) Propene	2.96	41	531150	10.174	ppbv	100
10) Heptane	8.12	43	1381361	10.751	ppbv	100
11) Trichlorofluoromethane	3.92	101	1409740	9.886	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1005344	10.073	ppbv	97
13) Ethanol	3.57	45	131048	8.257	ppbv	93
14) Bromoethene	3.70	108	442823	10.273	ppbv	98
15) Acetone	3.82	43	1128630	8.896	ppbv	99
16) 1,3-Butadiene	3.29	39	586176	10.217	ppbv	98
17) tert-Butyl alcohol	4.26	59	957527	7.834	ppbv	99
18) 1,1-Dichloroethene	4.26	96	464736	10.515	ppbv	98
19) Isopropyl Alcohol	3.94	45	678081	8.464	ppbv #	41
20) Methylene Chloride	4.31	84	399599	9.962	ppbv	96
21) Allyl Chloride	4.38	41	815879	10.013	ppbv	100
22) trans-1,2-Dichloroethene	4.86	96	462767	10.320	ppbv	99
23) Vinyl Acetate	5.05	43	1945212	10.380	ppbv	99
24) 1,1-Dichloroethane	4.99	63	1285119	10.229	ppbv	99
25) Ethyl Acetate	5.66	43	2271166	10.048	ppbv	100
26) Hexane	5.67	57	1013287	10.411	ppbv	98
27) Carbon Disulfide	4.52	76	1172032	10.612	ppbv	98
28) Methyl tert-Butyl Ether	5.01	73	1588624	9.810	ppbv	99
29) Chloroform	5.74	83	1523790	10.261	ppbv	100
30) Cyclohexane	7.12	84	844664	10.401	ppbv	98
31) cis-1,2-Dichloroethene	5.53	61	1030341	10.352	ppbv	98
32) 1,1,1-Trichloroethane	6.50	97	1482842	10.248	ppbv	99
34) 2-Butanone	5.22	43	1543311	10.756	ppbv	99
35) Carbon Tetrachloride	7.01	117	1501509	11.181	ppbv	98
36) Benzene	6.89	78	2057749	10.692	ppbv	99
37) 1,2-Dichloroethane	6.30	62	1181135	10.884	ppbv	98
38) Trichloroethene	7.84	130	759606	10.392	ppbv	94
39) 1,2-Dichloropropane	7.61	63	805622	10.565	ppbv	96
40) 1,4-Dioxane	7.83	88	271594	9.431	ppbv #	91
41) Tetrahydrofuran	6.03	42	869930	11.205	ppbv	99
42) Bromodichloromethane	7.80	83	1624879	10.986	ppbv	98
43) Methyl Methacrylate	8.01	69	911684	11.244	ppbv	98

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Manual Integrations
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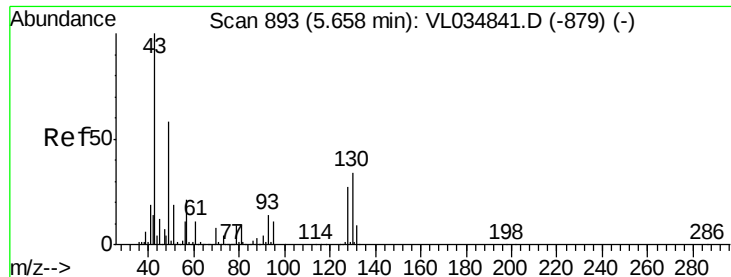
MMDadoda
 3/17/2020 12:15:43 PM

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 0
 QLast Update : Mon Mar 09 16:42:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.87	57	3480155	10.701	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1053343	11.058	ppbv	99
46) cis-1,3-Dichloropropene	8.71	75	1234091	10.902	ppbv	96
47) 1,1,2-Trichloroethane	9.48	97	830694	10.616	ppbv	98
48) Dibromochloromethane	10.32	129	1365108	10.772	ppbv	99
49) Bromoform	13.07	173	1223164	10.825	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	2276461	11.021	ppbv	99
51) 2-Hexanone	10.14	43	1872820	11.157	ppbv #	100
52) Tetrachloroethene	11.24	164	721461	9.476	ppbv	95
53) Toluene	9.82	91	2360287	10.620	ppbv	100
54) 1,2-Dibromoethane	10.63	107	1254180	10.647	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.14	131	1021604	10.133	ppbv	98
57) Chlorobenzene	12.17	112	1753545	9.986	ppbv	98
58) Ethyl Benzene	12.73	91	3154917	10.380	ppbv	96
59) m/p-Xylene	13.02	91	5213465m	20.475	ppbv	
60) o-Xylene	13.71	91	2565453	10.319	ppbv	99
61) Styrene	13.55	104	1888438	10.823	ppbv	98
62) Isopropylbenzene	14.69	105	3791600	10.086	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.70	83	1821698	10.793	ppbv	100
64) n-propylbenzene	15.59	120	1008368	10.306	ppbv	93
65) tert-Butylbenzene	16.77	119	3312269	10.079	ppbv	97
66) Benzyl Chloride	17.02	91	1351168	9.860	ppbv	97
67) sec-Butylbenzene	17.33	105	4759475	10.445	ppbv	98
69) p-Isopropyltoluene	17.68	119	3961547	10.368	ppbv	98
70) n-Butylbenzene	18.58	91	4212101	10.804	ppbv	99
71) 2-Chlorotoluene	15.48	91	3007530	10.564	ppbv	97
72) 4-Ethyltoluene	15.87	105	3093193	10.535	ppbv	99
73) 1,3,5-Trimethylbenzene	16.02	105	2907766	10.579	ppbv	95
74) 1,2,4-Trimethylbenzene	16.79	105	2988208	10.553	ppbv	95
75) 1,3-Dichlorobenzene	17.03	146	1728083	10.121	ppbv	99
76) 1,4-Dichlorobenzene	17.17	146	1714946	10.065	ppbv	98
77) 1,2-Dichlorobenzene	17.85	146	1683519	10.172	ppbv	99
78) Hexachloro-1,3-Butadiene	23.41	225	1439213	10.411	ppbv	99
79) Naphthalene	22.25	128	2856758	12.936	ppbv	99
80) Naphthalene, 2-methyl-	25.00	142	1203318	20.851	ppbv	99
81) 1,2,4-Trichlorobenzene	21.97	180	1630833	11.624	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. -0.01 min

Lab File: VL034888.D

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Instrument :

MSVOA_L

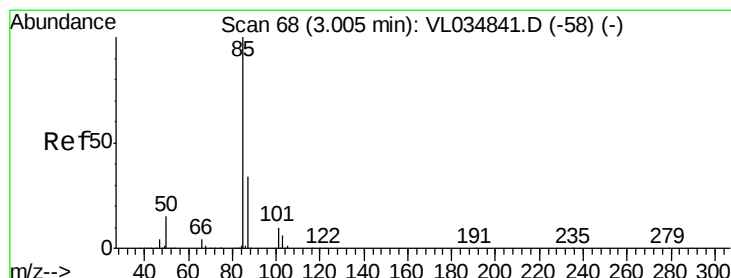
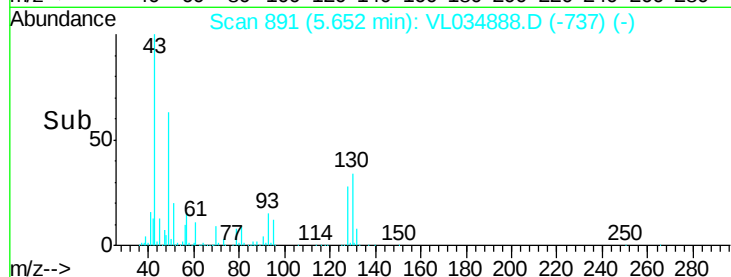
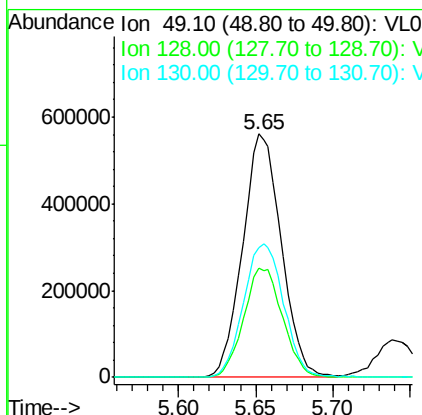
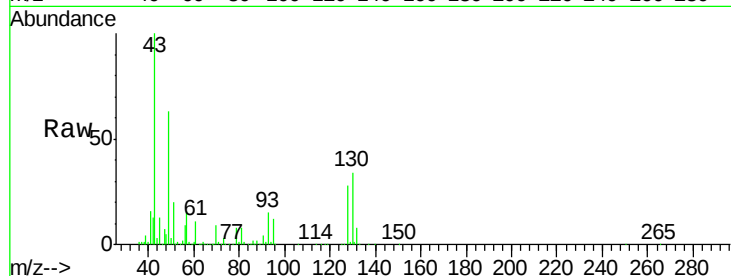
ClientSampleId :

VL0316ABSD01

Tot Ion	Ratio	Lower	Upper
49	100		
128	45.5	23.4	70.3
130	57.2	30.0	90.0

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 11.618 ppbv

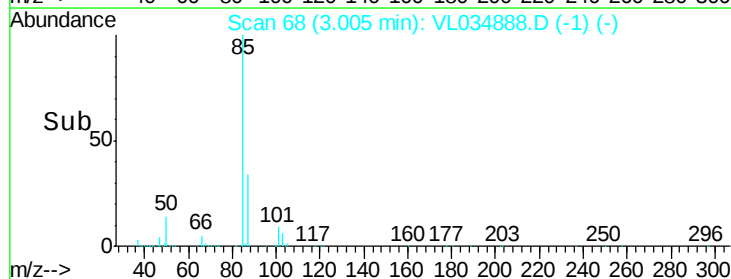
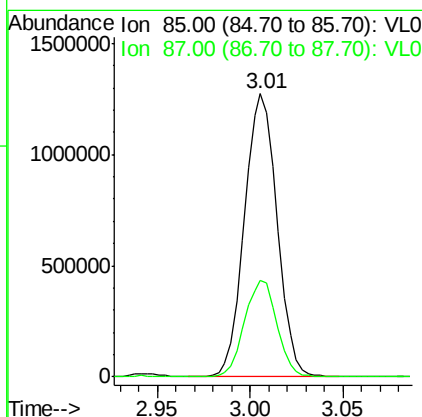
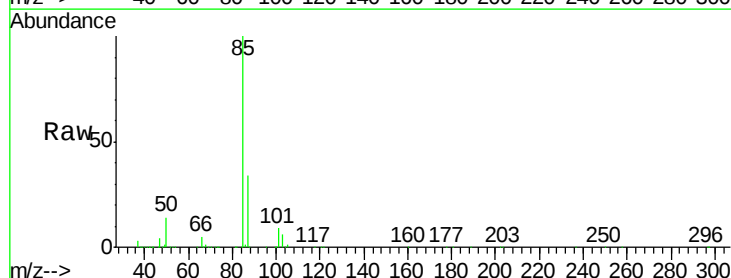
RT: 3.01 min Scan# 68

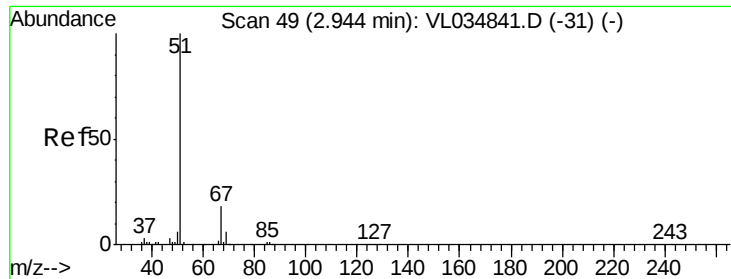
Delta R.T. 0.00 min

Lab File: VL034888.D

Acq: 16 Mar 2020 13:23

Tgt Ion	Ratio	Lower	Upper
85	100		
87	34.2	26.9	40.3





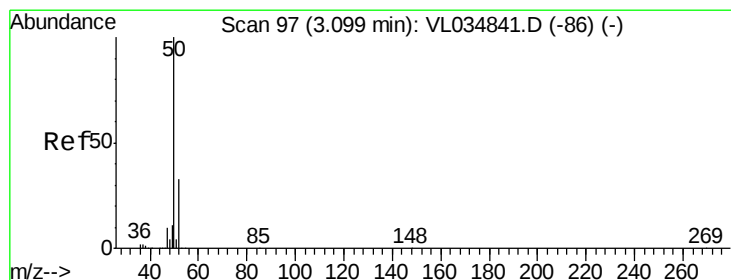
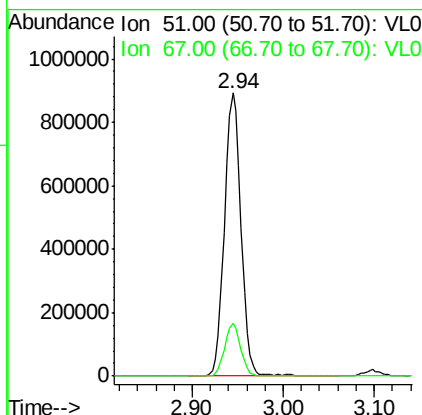
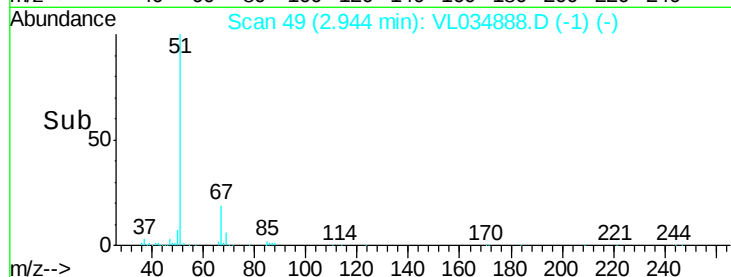
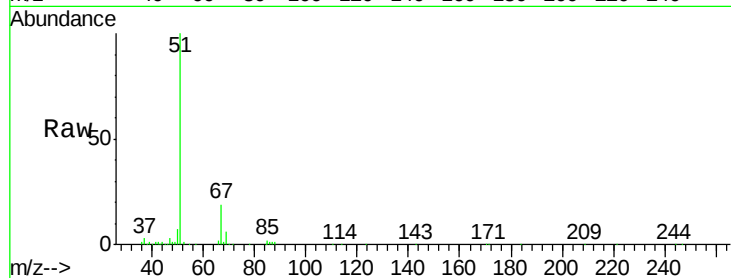
#3
Chlorodifluoromethane
Concen: 10.317 ppbv
RT: 2.94 min Scan# 49
Delta R.T. 0.00 min
Lab File: VL034888.D
Acq: 16 Mar 2020 13:23

Instrument :
MSVOA_L
ClientSampleId :
VL0316ABSD01

Tot Ion: 51 Resp: 1128078
Ion Ratio Lower Upper
51 100
67 18.0 14.3 21.5

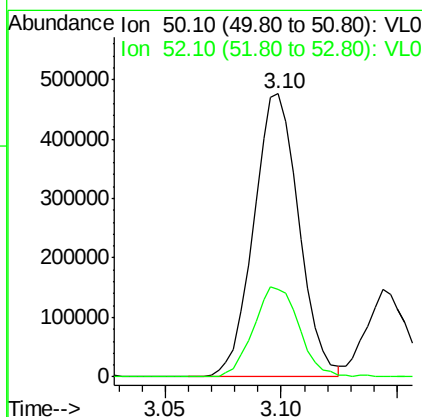
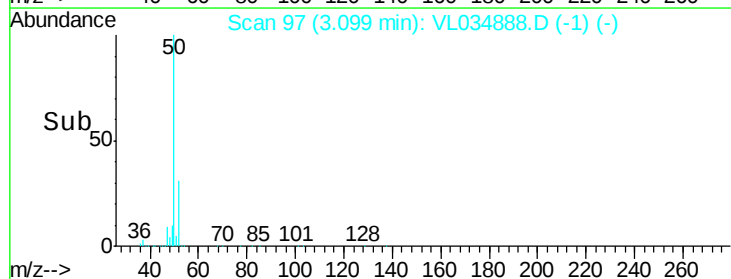
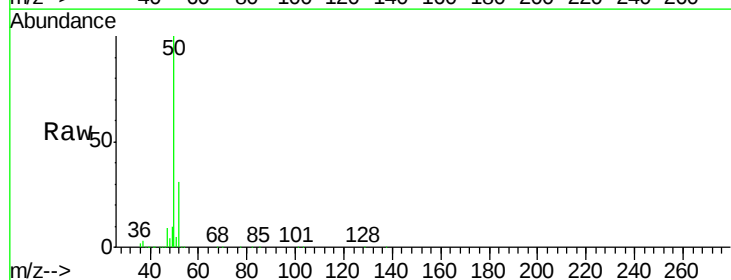
Manual Integrations
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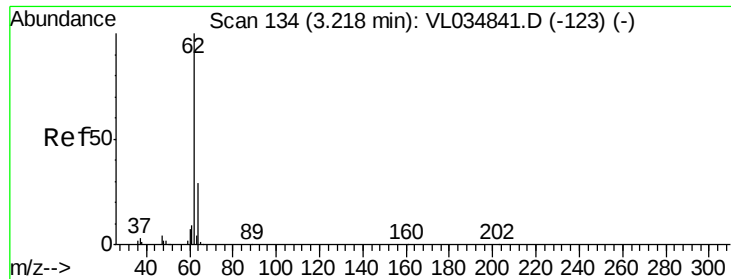
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#4
Chloromethane
Concen: 10.429 ppbv
RT: 3.10 min Scan# 97
Delta R.T. 0.00 min
Lab File: VL034888.D
Acq: 16 Mar 2020 13:23

Tgt Ion: 50 Resp: 644491
Ion Ratio Lower Upper
50 100
52 31.0 26.8 40.2





#5

Vinyl Chloride

Concen: 10.394 ppbv

RT: 3.21 min Scan# 133

Delta R.T. -0.00 min

Lab File: VL034888.D

Acq: 16 Mar 2020 13:23

Instrument :

MSVOA_L

ClientSampleId :

VL0316ABSD01

Tot Ion: 62 Resp: 617571

Ion Ratio Lower Upper

62 100

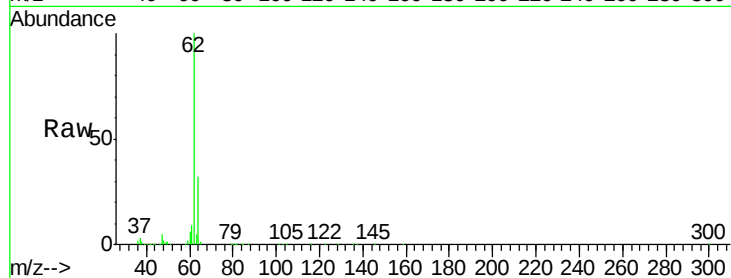
64 31.6 23.0 34.4

Manual Integrations

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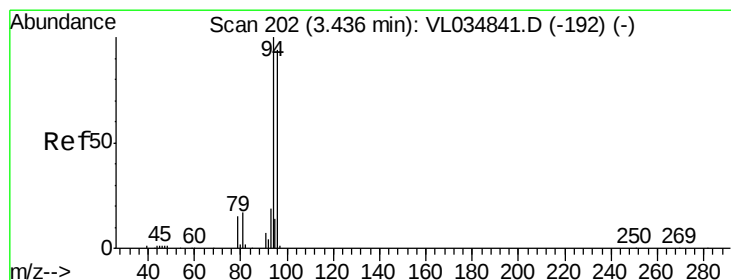
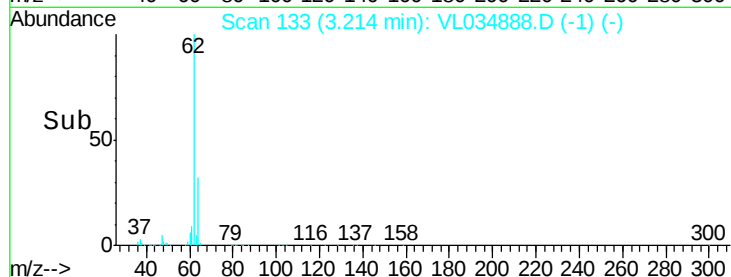
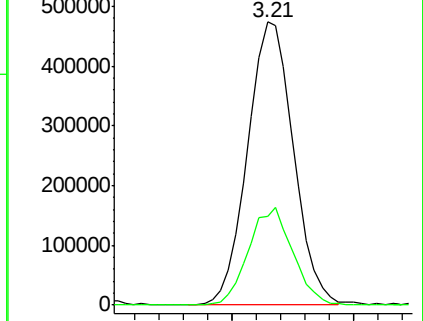
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 10.527 ppbv

RT: 3.44 min Scan# 202

Delta R.T. 0.00 min

Lab File: VL034888.D

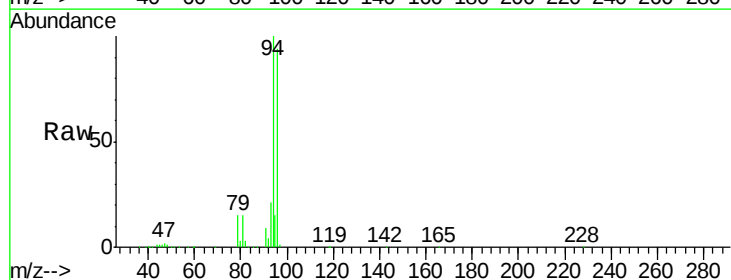
Acq: 16 Mar 2020 13:23

Tgt Ion: 94 Resp: 364089

Ion Ratio Lower Upper

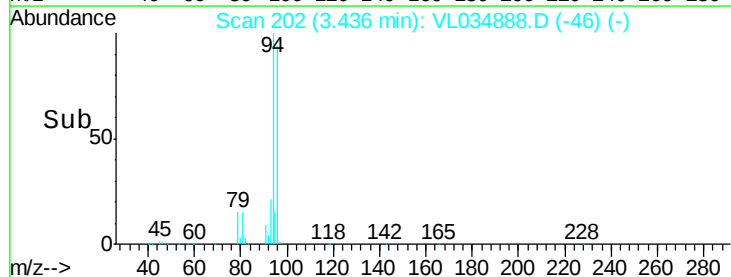
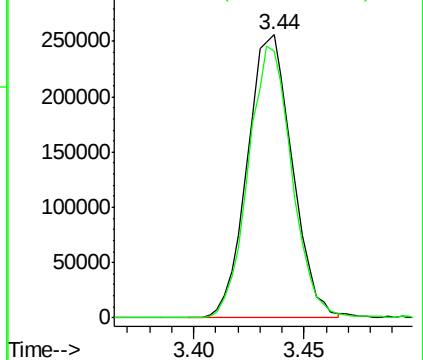
94 100

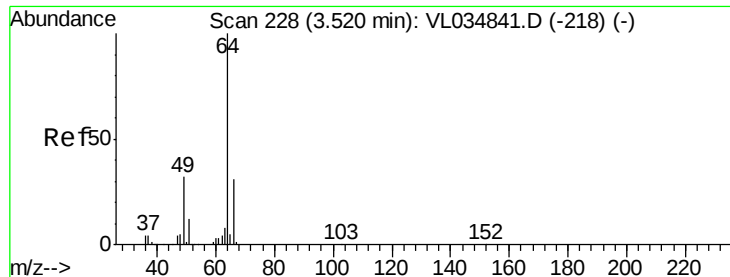
96 94.3 75.5 113.3



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.770 ppbv

RT: 3.52 min Scan# 228

Delta R.T. 0.00 min

Lab File: VL034888.D

Acq: 16 Mar 2020 13:23

Instrument :

MSVOA_L

ClientSampleId :

VL0316ABSD01

Tot Ion: 64 Resp: 231071

Ion Ratio Lower Upper

64 100

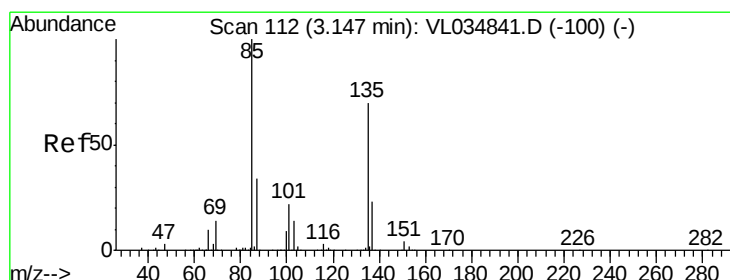
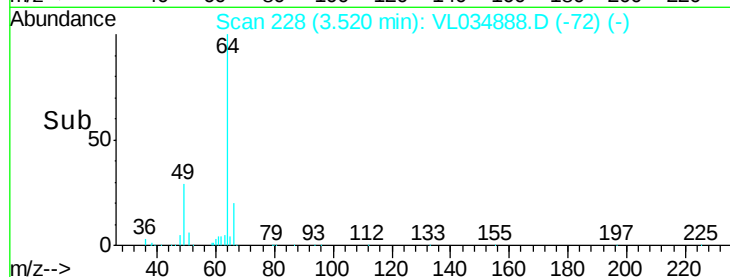
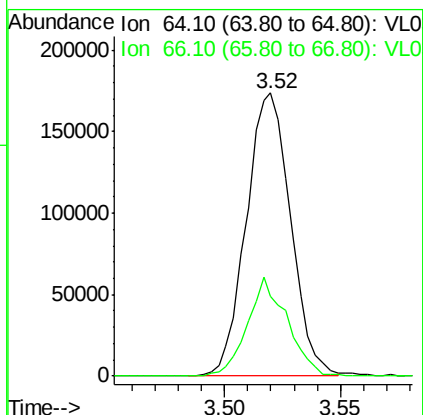
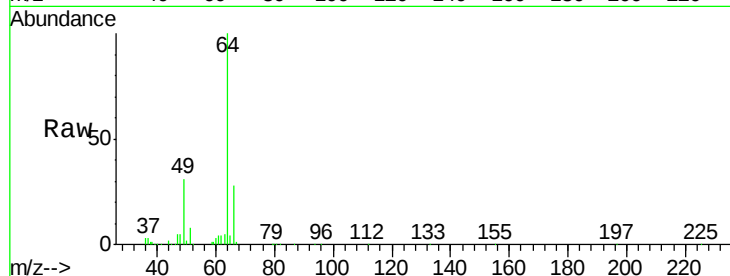
66 28.2 24.8 37.2

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3/17/2020 12:15:43 PM



#8

Dichlorotetrafluoroethane

Concen: 9.828 ppbv

RT: 3.15 min Scan# 112

Delta R.T. 0.00 min

Lab File: VL034888.D

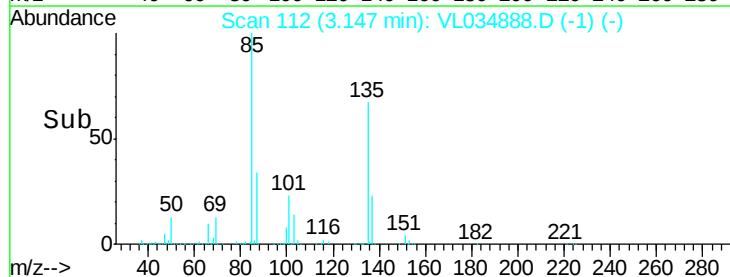
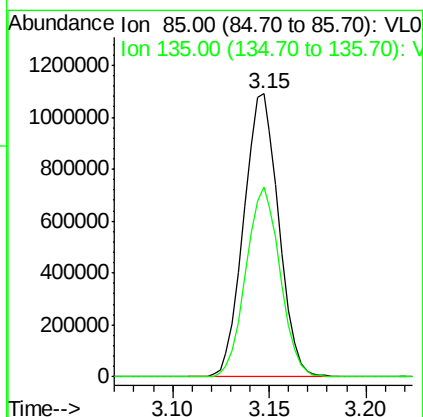
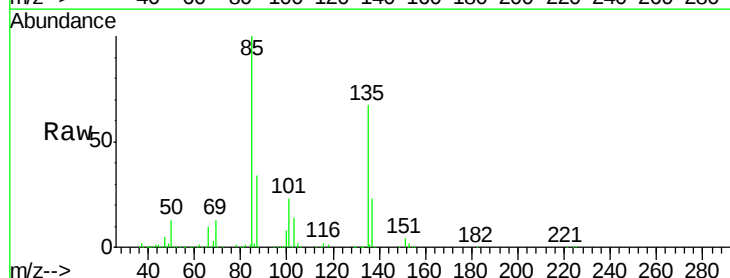
Acq: 16 Mar 2020 13:23

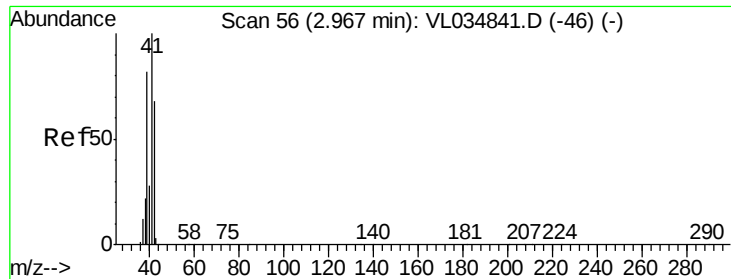
Tgt Ion: 85 Resp: 1368137

Ion Ratio Lower Upper

85 100

135 66.1 54.3 81.5





#9

Propene

Concen: 10.174 ppbv

RT: 2.96 min Scan# 55

Delta R.T. -0.00 min

Lab File: VL034888.D

Acq: 16 Mar 2020 13:23

Instrument :

MSVOA_L

ClientSampleId :

VL0316ABSD01

Tot Ion: 41 Resp: 531150

Ion Ratio Lower Upper

41 100

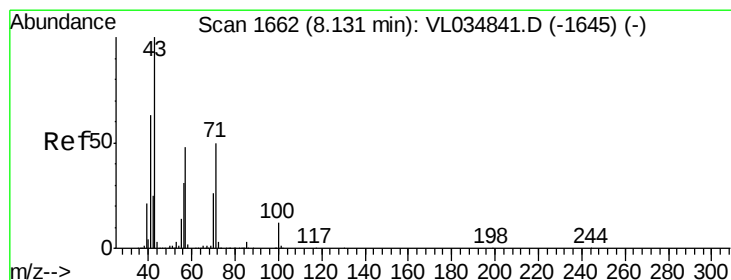
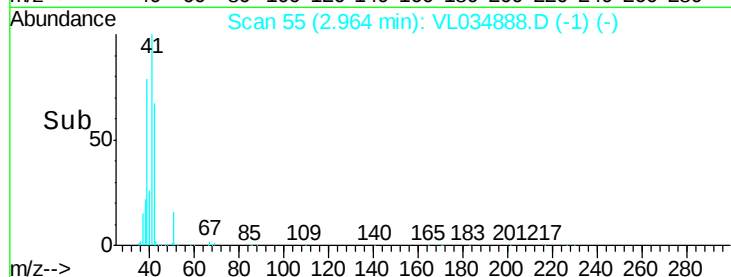
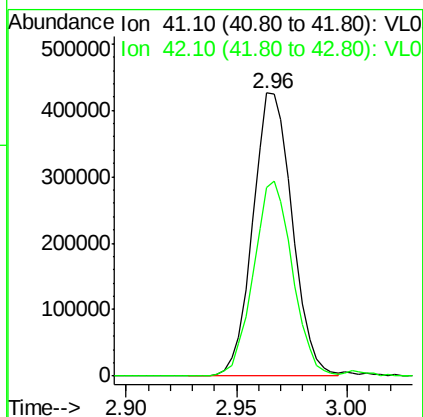
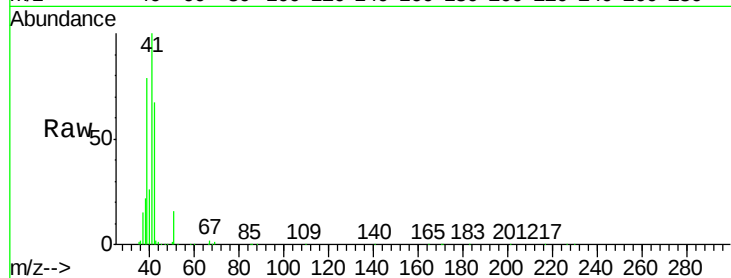
42 69.3 55.2 82.8

Manual Integrations

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3/17/2020 12:15:43 PM



#10

Heptane

Concen: 10.751 ppbv

RT: 8.12 min Scan# 1660

Delta R.T. -0.01 min

Lab File: VL034888.D

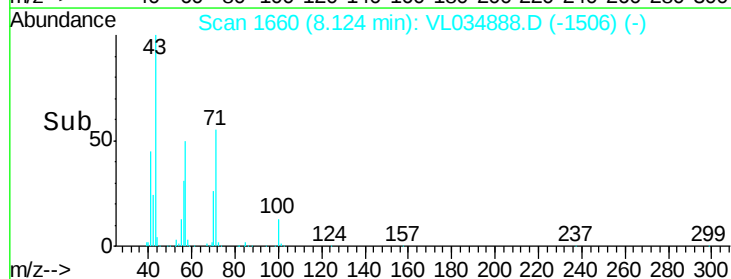
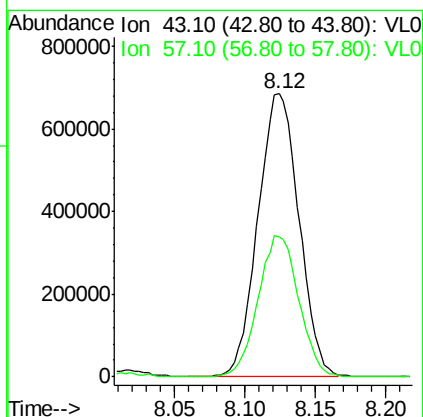
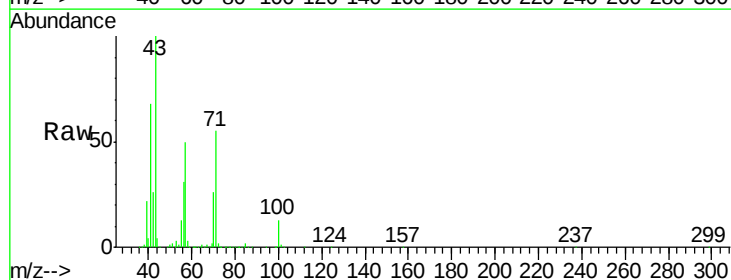
Acq: 16 Mar 2020 13:23

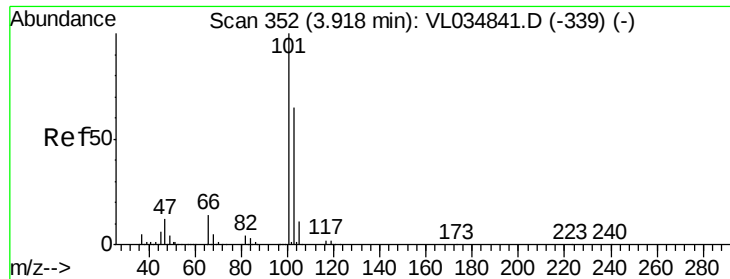
Tgt Ion: 43 Resp: 1381361

Ion Ratio Lower Upper

43 100

57 49.6 39.7 59.5





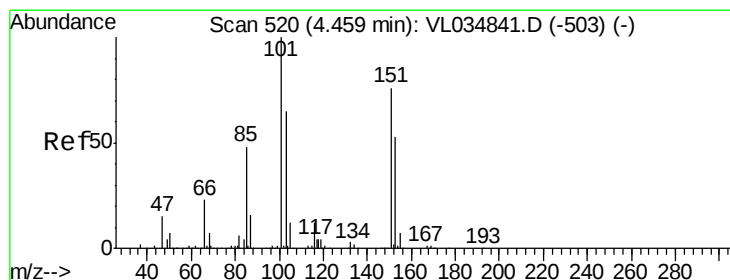
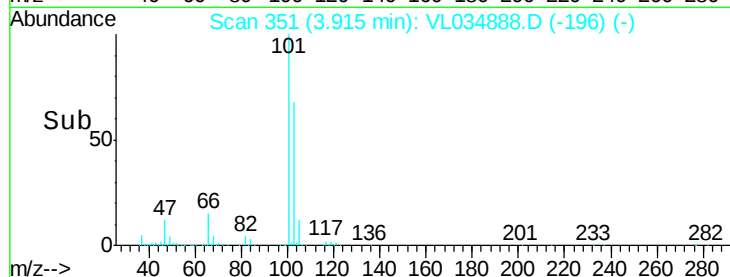
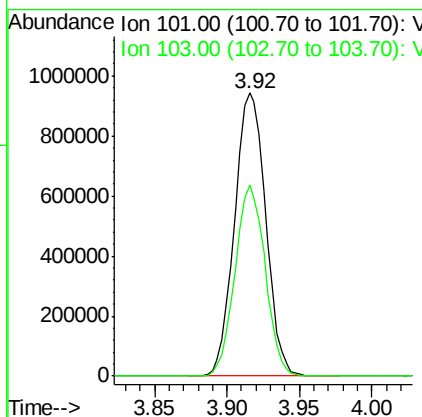
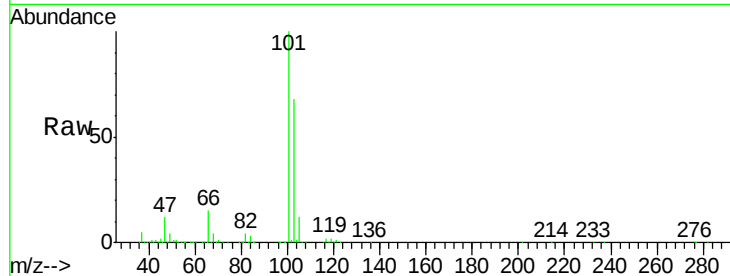
#11
 Trichlorofluoromethane
 Concen: 9.886 ppbv
 RT: 3.92 min Scan# 351
 Delta R.T. -0.00 min
 Lab File: VL034888.D
 Acq: 16 Mar 2020 13:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0316ABSD01

Tot Ion:101 Resp: 1409740
 Ion Ratio Lower Upper
 101 100
 103 67.7 51.8 77.8

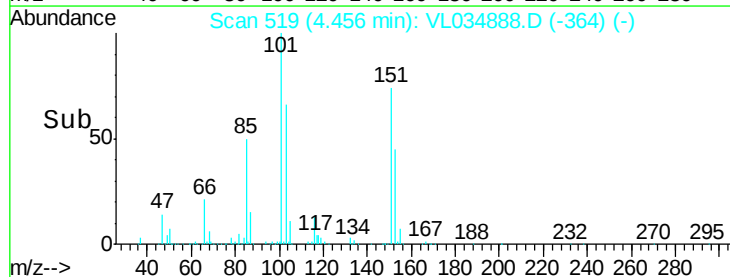
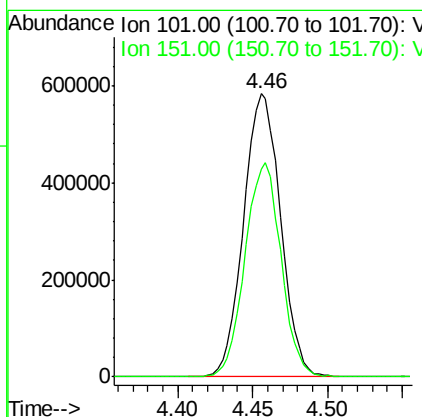
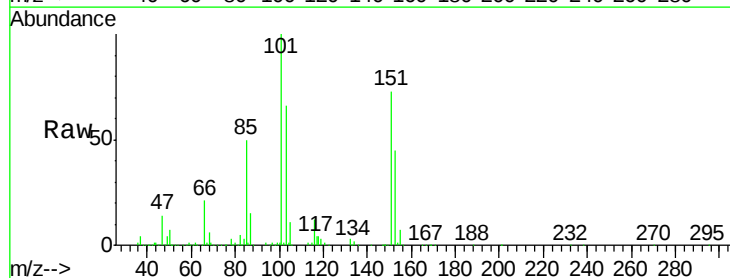
Manual Integrations
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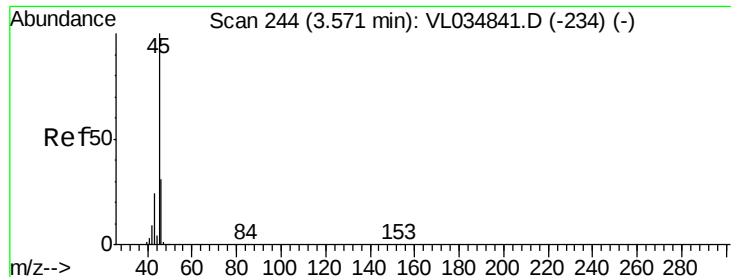
MMDadoda
 3/17/2020 12:15:43 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.073 ppbv
 RT: 4.46 min Scan# 519
 Delta R.T. -0.00 min
 Lab File: VL034888.D
 Acq: 16 Mar 2020 13:23

Tgt Ion:101 Resp: 1005344
 Ion Ratio Lower Upper
 101 100
 151 73.8 60.8 91.2





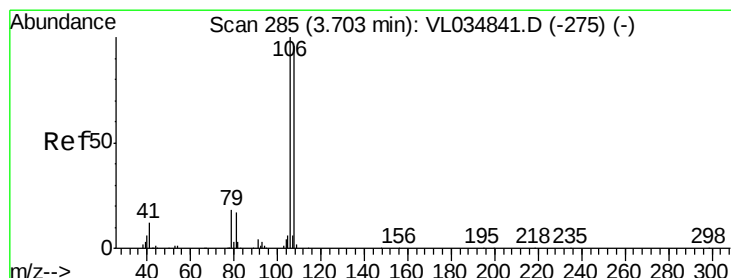
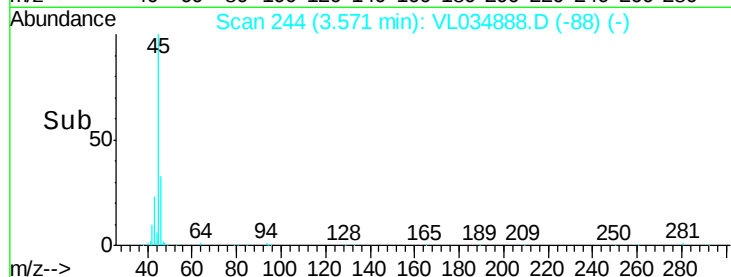
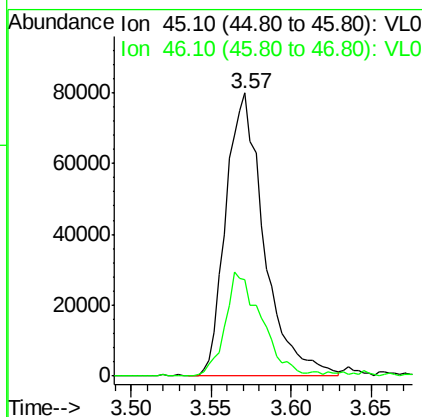
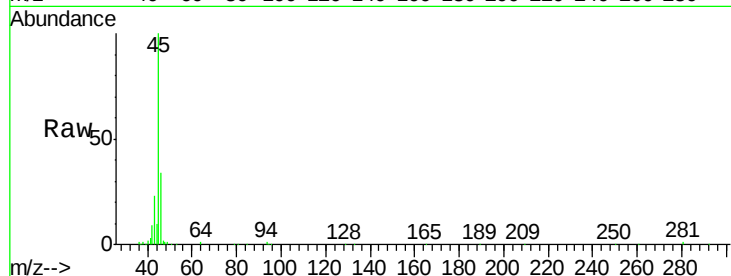
#13
Ethanol
Concen: 8.257 ppbv
RT: 3.57 min Scan# 244
Delta R.T. 0.00 min
Lab File: VL034888.D
Acq: 16 Mar 2020 13:23

Instrument :
MSVOA_L
ClientSampleId :
VL0316ABSD01

Tot Ion	45	46	Resp	Lower	Upper
131048	100	35.9		16.0	64.0

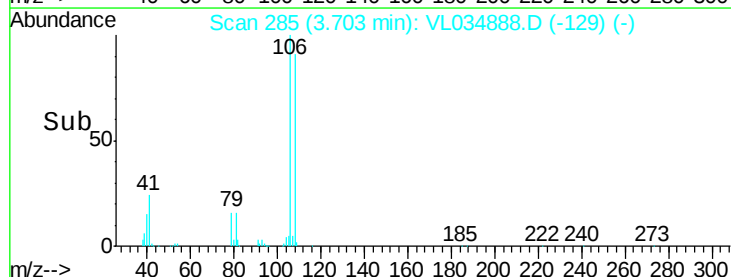
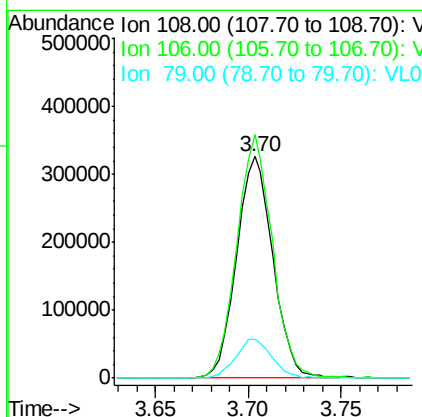
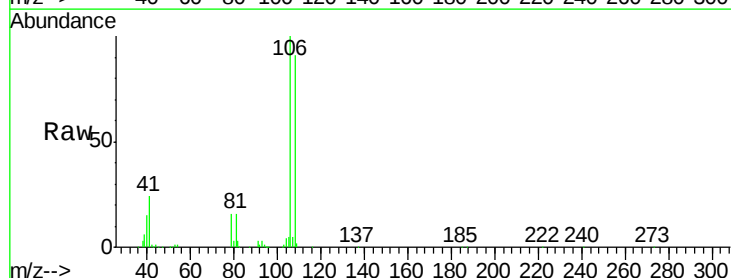
Manual Integrations
APPROVED

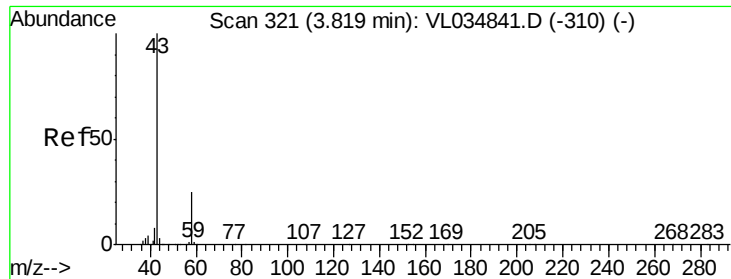
MMDadoda
3/17/2020 12:15:43 PM



#14
Bromoethene
Concen: 10.273 ppbv
RT: 3.70 min Scan# 285
Delta R.T. 0.00 min
Lab File: VL034888.D
Acq: 16 Mar 2020 13:23

Tgt Ion	108	106	79	Resp	Lower	Upper
442823	100	108.7	17.7		85.1	127.7





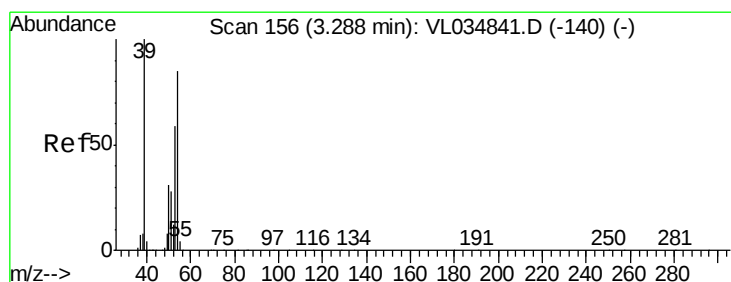
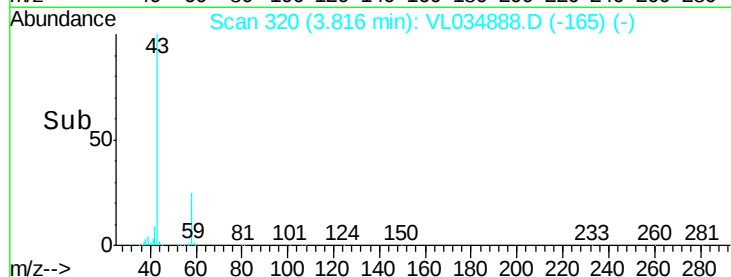
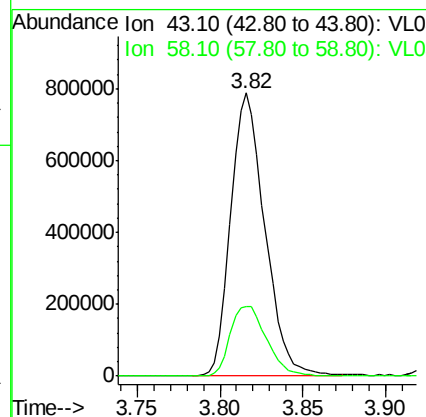
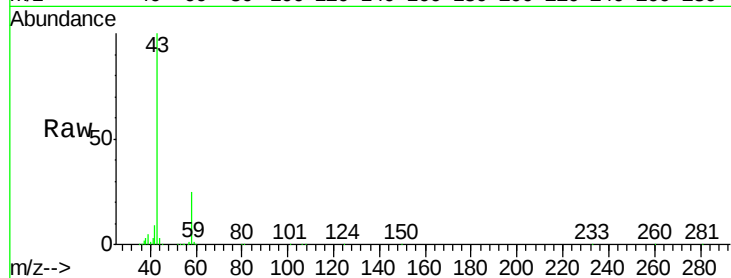
#15
Acetone
Concen: 8.896 ppbv
RT: 3.82 min Scan# 320
Delta R.T. -0.00 min
Lab File: VL034888.D
Acq: 16 Mar 2020 13:23

Instrument :
MSVOA_L
ClientSampleId :
VL0316ABSD01

Tot Ion: 43 Resp: 1128630
Ion Ratio Lower Upper
43 100
58 26.6 21.0 31.6

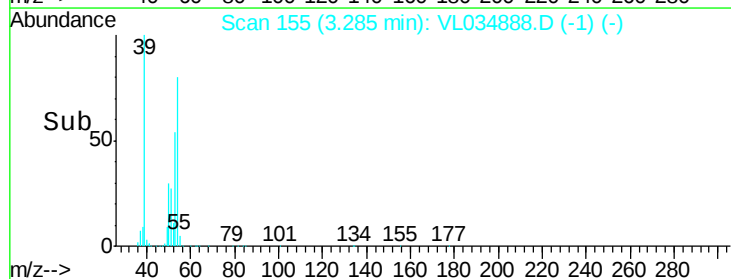
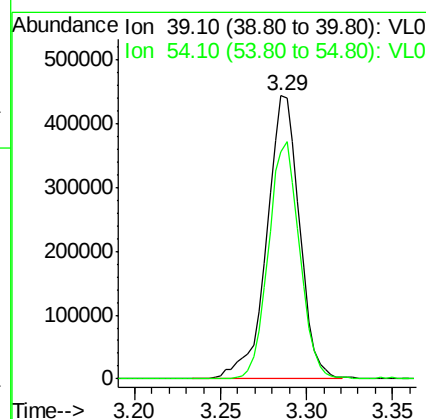
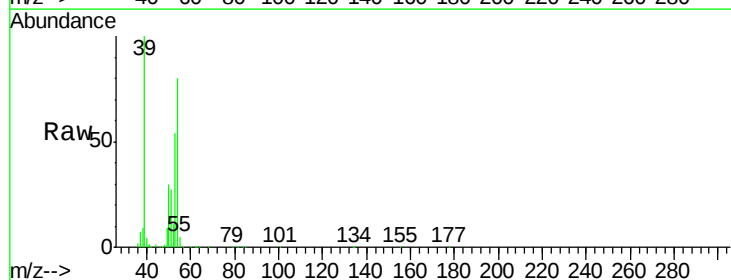
Manual Integrations
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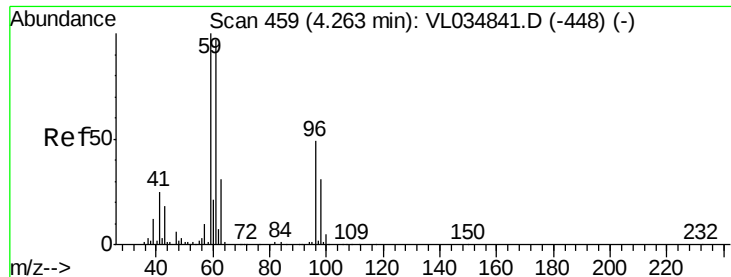
MMDadoda
3/17/2020 12:15:43 PM



#16
1,3-Butadiene
Concen: 10.217 ppbv
RT: 3.29 min Scan# 155
Delta R.T. -0.00 min
Lab File: VL034888.D
Acq: 16 Mar 2020 13:23

Tgt Ion: 39 Resp: 586176
Ion Ratio Lower Upper
39 100
54 79.8 65.0 97.6





#17

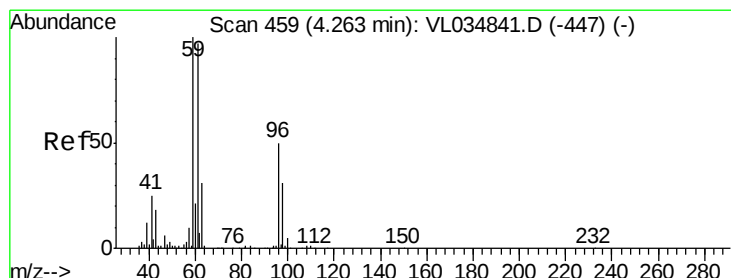
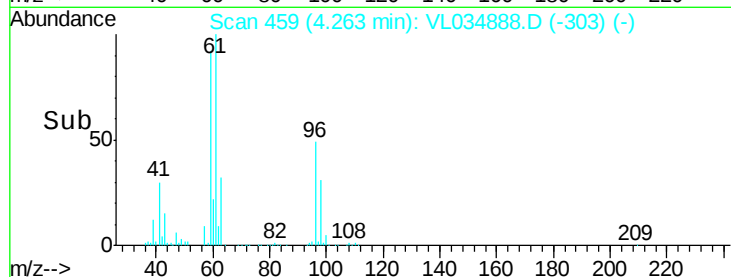
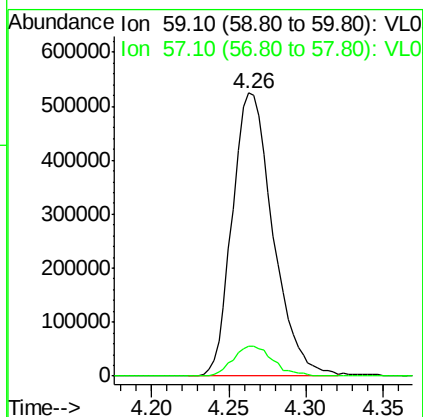
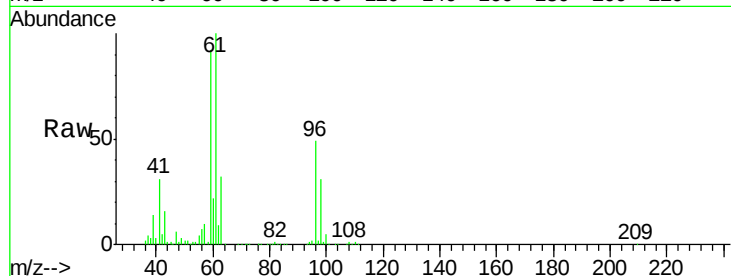
tert-Butyl alcohol
Concen: 7.834 ppbv
RT: 4.26 min Scan# 459
Delta R.T. 0.00 min
Lab File: VL034888.D
Acq: 16 Mar 2020 13:23

Instrument :
MSVOA_L
ClientSampleId :
VL0316ABSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.3	12.5

Manual Integrations
APPROVED

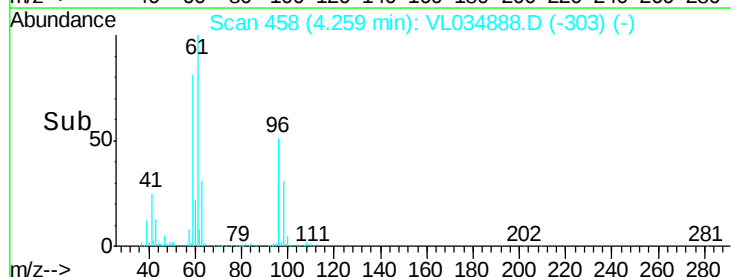
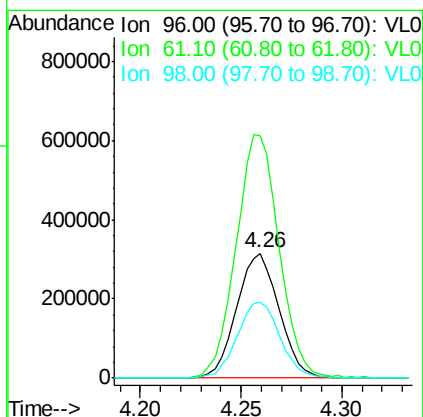
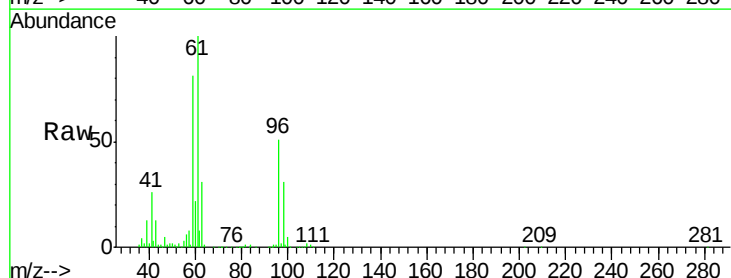
MMDadoda
3/17/2020 12:15:43 PM

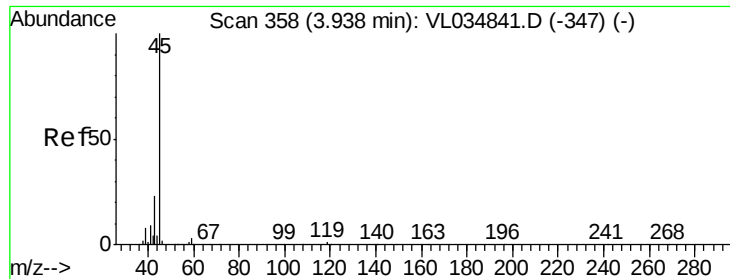


#18

1,1-Dichloroethene
Concen: 10.515 ppbv
RT: 4.26 min Scan# 458
Delta R.T. -0.00 min
Lab File: VL034888.D
Acq: 16 Mar 2020 13:23

Tgt Ion	Ratio	Lower	Upper
96	100		
61	194.3	157.3	235.9
98	60.3	50.2	75.4





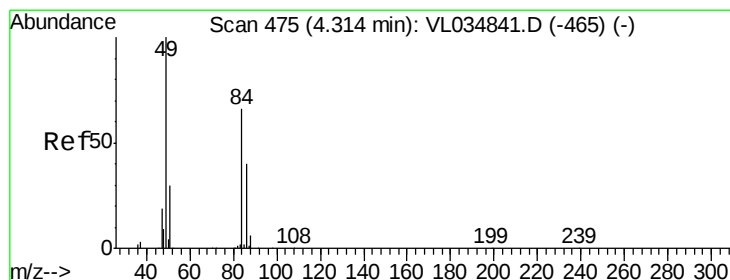
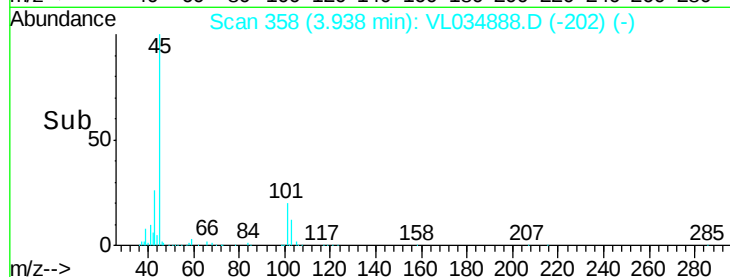
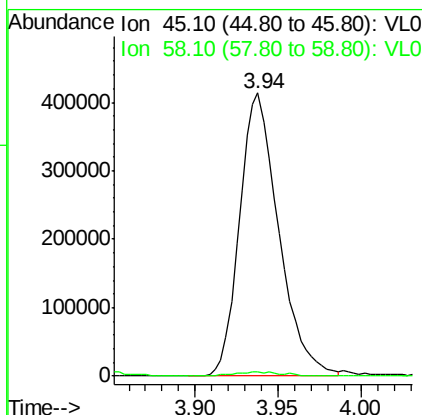
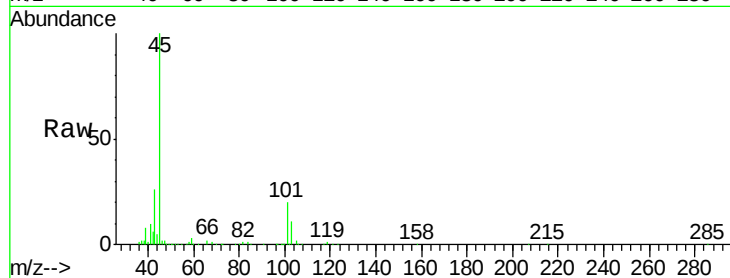
#19
Isopropyl Alcohol
Concen: 8.464 ppbv
RT: 3.94 min Scan# 358
Delta R.T. 0.00 min
Lab File: VL034888.D
Acq: 16 Mar 2020 13:23

Instrument :
MSVOA_L
ClientSampleId :
VL0316ABSD01

Tot Ion: 45 Resp: 678081
Ion Ratio Lower Upper
45 100
58 2.3 30.5 45.7#

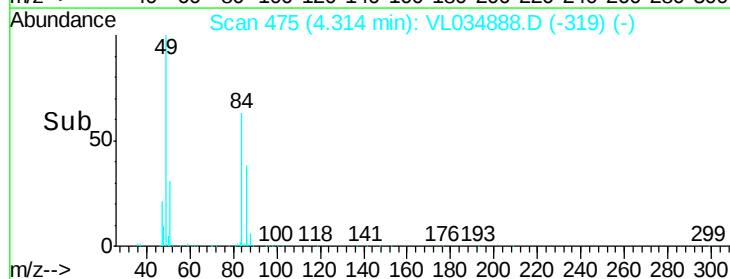
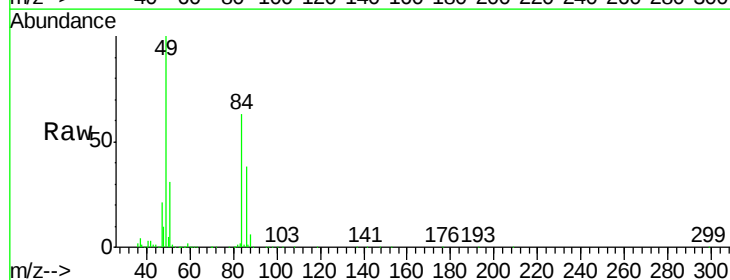
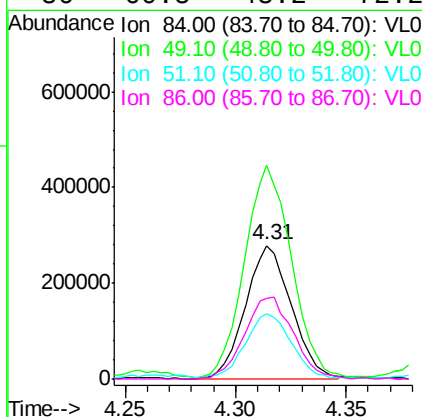
Manual Integrations
APPROVED

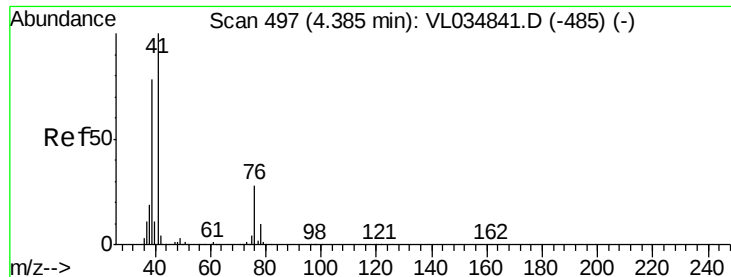
MMDadoda
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#20
Methylene Chloride
Concen: 9.962 ppbv
RT: 4.31 min Scan# 475
Delta R.T. 0.00 min
Lab File: VL034888.D
Acq: 16 Mar 2020 13:23

Tgt Ion: 84 Resp: 399599
Ion Ratio Lower Upper
84 100
49 158.7 121.5 182.3
51 48.1 36.6 55.0
86 60.5 48.2 72.2





#21

Allvl Chloride

Concen: 10.013 ppbv

RT: 4.38 min Scan# 497

Delta R.T. 0.00 min

Lab File: VL034888.D

Acq: 16 Mar 2020 13:23

Instrument :

MSVOA_L

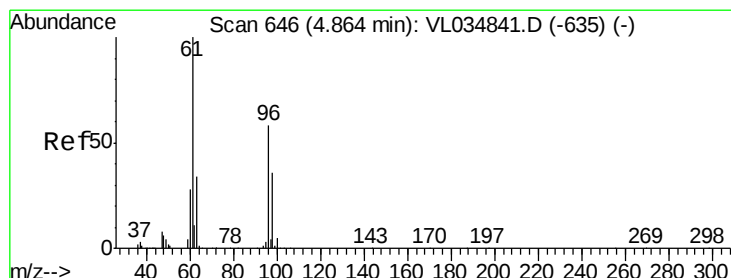
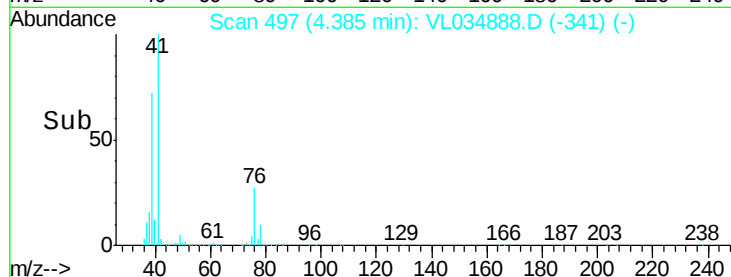
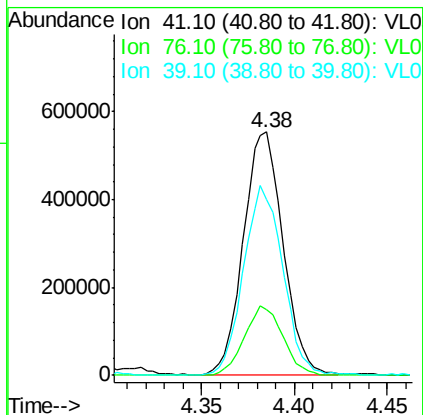
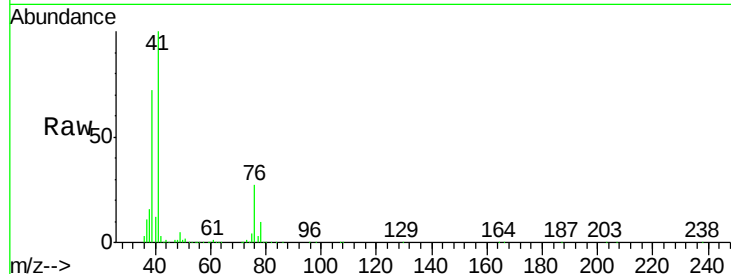
ClientSampleId :

VL0316ABSD01

Tot Ion:	41	Resp:	815879
Ion	Ratio	Lower	Upper
41	100		
76	28.1	22.2	33.2
39	78.3	62.6	93.8

Manual Integrations
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MMDadoda
3/17/2020 12:15:43 PM



#22

trans-1,2-Dichloroethene

Concen: 10.320 ppbv

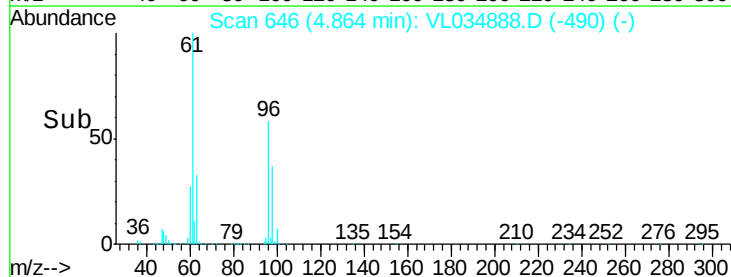
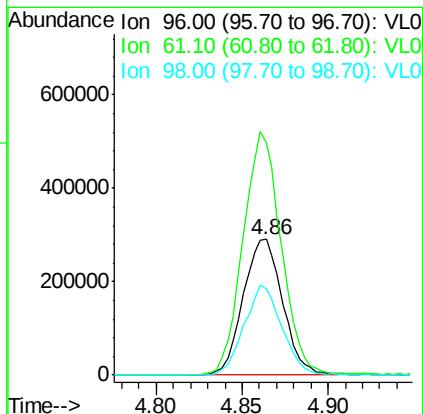
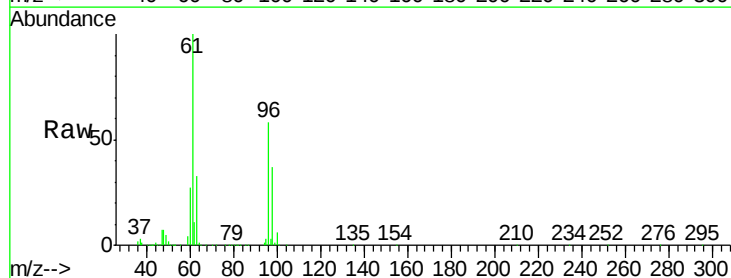
RT: 4.86 min Scan# 646

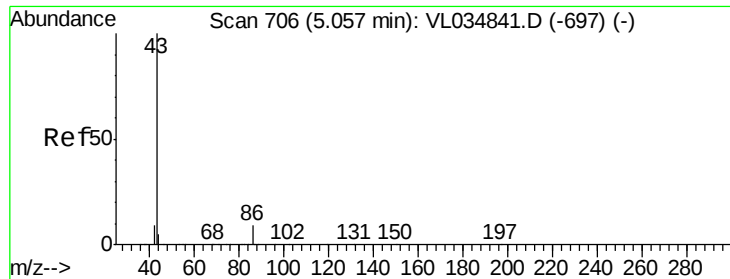
Delta R.T. 0.00 min

Lab File: VL034888.D

Acq: 16 Mar 2020 13:23

Tgt Ion:	96	Resp:	462767
Ion	Ratio	Lower	Upper
96	100		
61	171.5	139.0	208.6
98	63.4	50.3	75.5





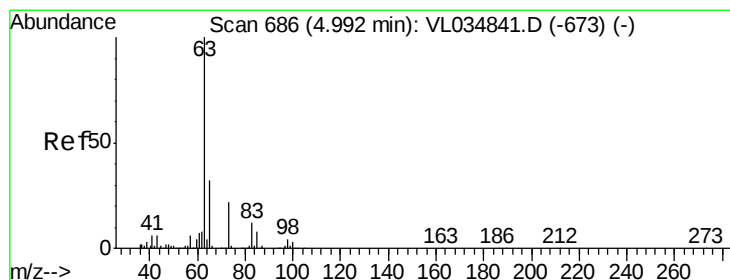
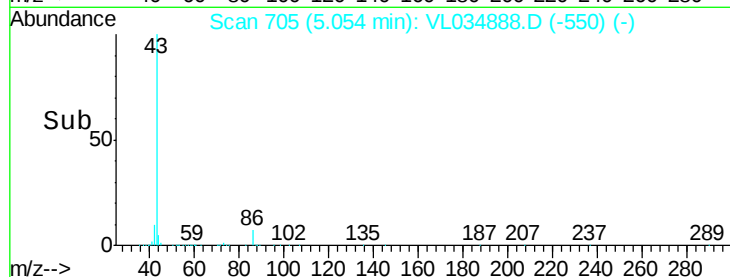
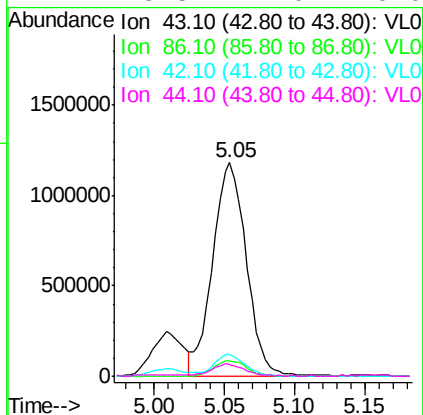
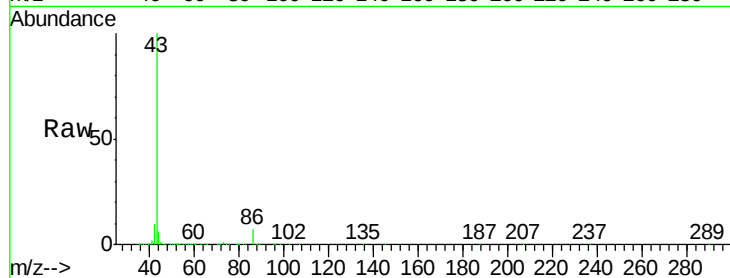
#23
 Vinyl Acetate
 Concen: 10.380 ppbv
 RT: 5.05 min Scan# 705
 Delta R.T. -0.00 min
 Lab File: VL034888.D
 Acq: 16 Mar 2020 13:23

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0316ABSD01

Tot Ion:	43	Resp:	1945212
Ion	Ratio	Lower	Upper
43	100		
86	7.4	6.3	9.5
42	10.0	7.8	11.8
44	5.5	4.0	6.0

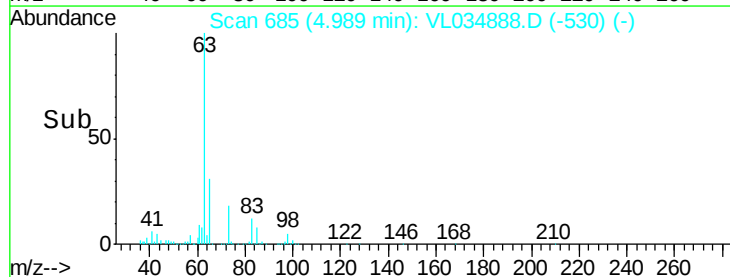
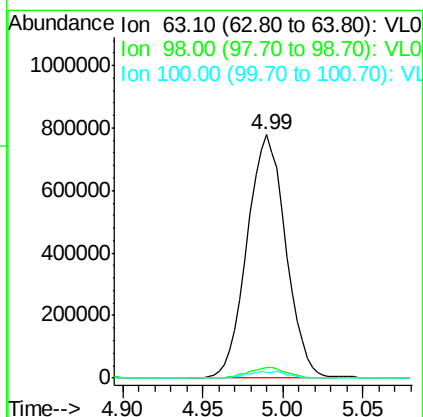
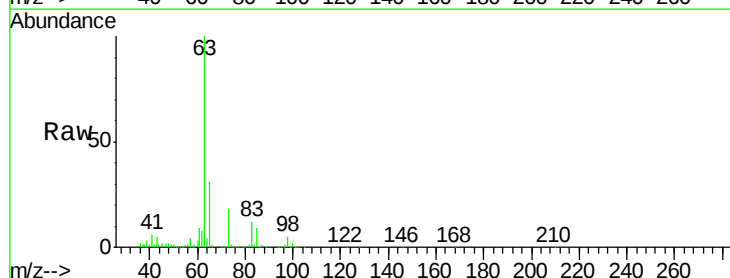
Manual Integrations
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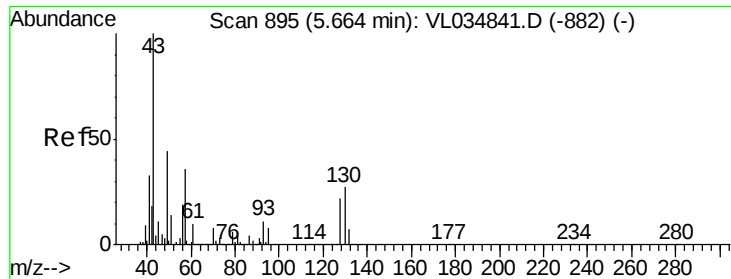
MMDadoda
 3/17/2020 12:15:43 PM



#24
 1,1-Dichloroethane
 Concen: 10.229 ppbv
 RT: 4.99 min Scan# 685
 Delta R.T. -0.00 min
 Lab File: VL034888.D
 Acq: 16 Mar 2020 13:23

Tgt Ion:	63	Resp:	1285119
Ion	Ratio	Lower	Upper
63	100		
98	4.5	2.0	5.8
100	2.5	1.4	4.0





#25

Ethyl Acetate

Concen: 10.048 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.00 min

Lab File: VL034888.D

Acq: 16 Mar 2020 13:23

Instrument :

MSVOA_L

ClientSampleId :

VL0316ABSD01

Tot Ion: 43 Resp: 2271166

Ion Ratio Lower Upper

43 100

45 10.1 8.2 12.2

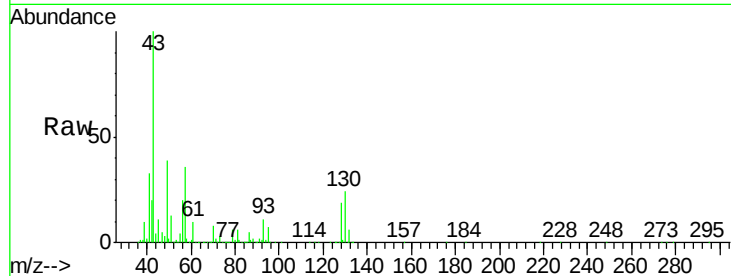
61 9.6 7.8 11.6

70 7.4 5.8 8.8

Manual Integrations
APPROVED

MMDadoda

3/17/2020 12:15:43 PM

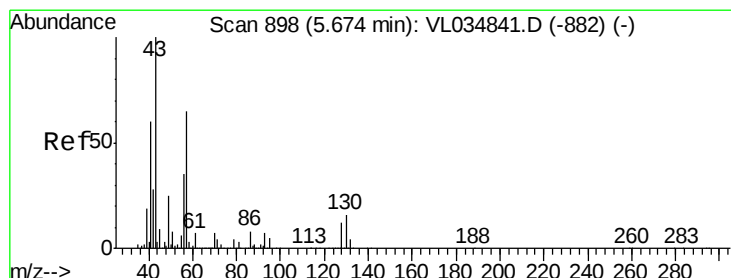
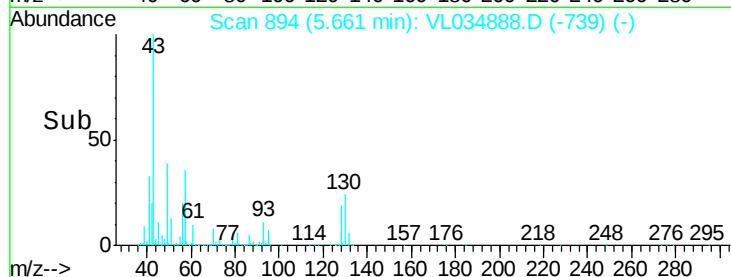
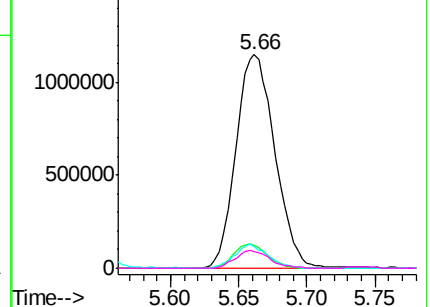


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 10.411 ppbv

RT: 5.67 min Scan# 897

Delta R.T. -0.00 min

Lab File: VL034888.D

Acq: 16 Mar 2020 13:23

Tgt Ion: 57 Resp: 1013287

Ion Ratio Lower Upper

57 100

41 90.5 72.6 109.0

43 225.2 183.8 275.6

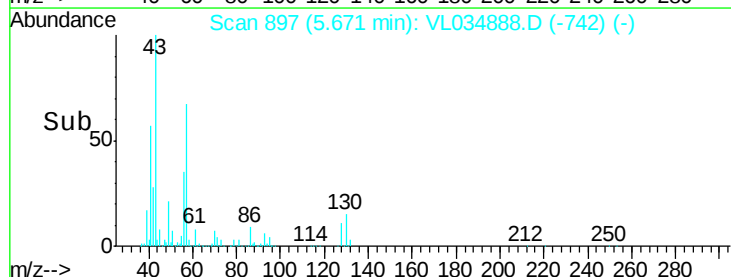
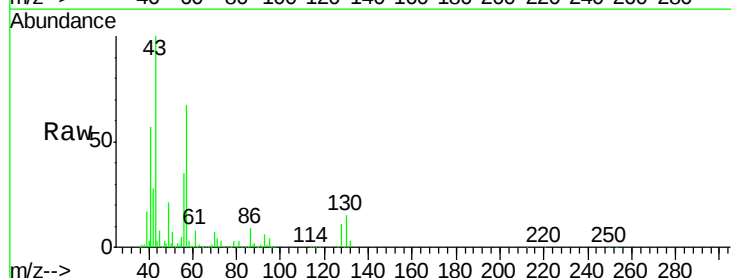
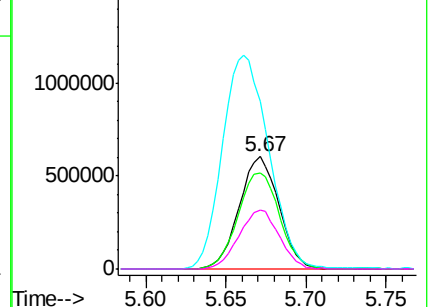
56 53.8 41.9 62.9

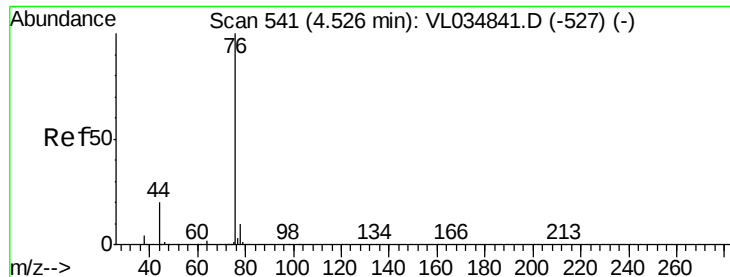
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





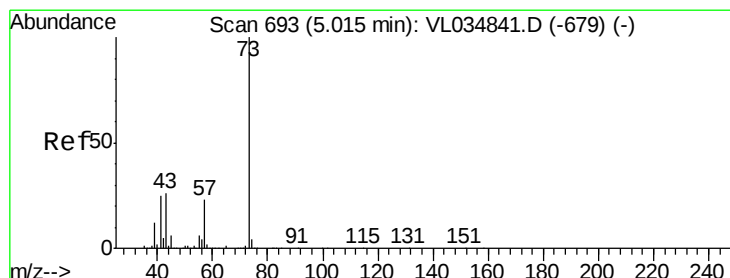
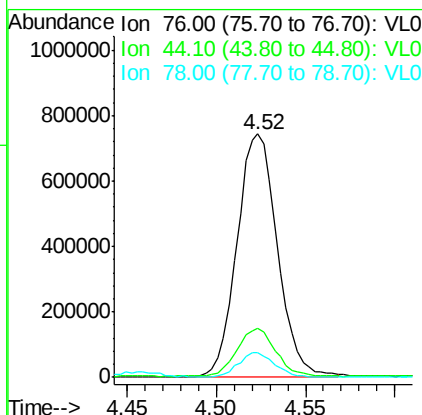
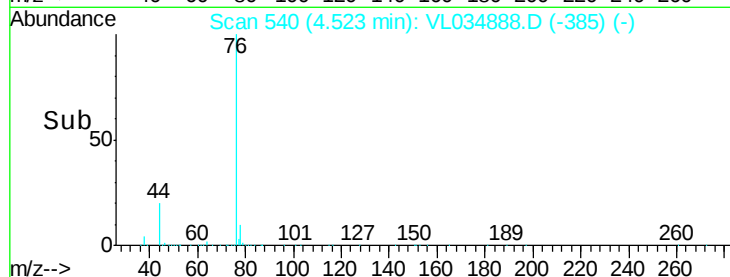
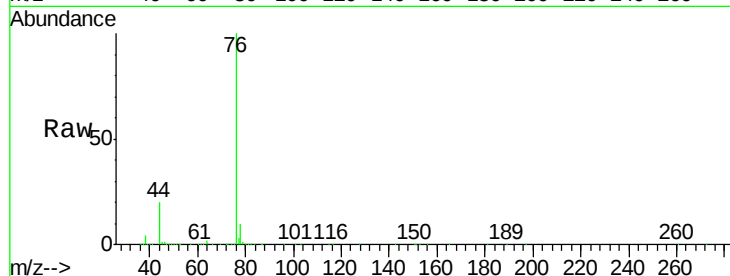
#27
Carbon Disulfide
Concen: 10.612 ppbv
RT: 4.52 min Scan# 540
Delta R.T. -0.00 min
Lab File: VL034888.D
Acq: 16 Mar 2020 13:23

Instrument :
MSVOA_L
ClientSampleId :
VL0316ABSD01

Tot Ion: 76 Resp: 1172032
Ion Ratio Lower Upper
76 100
44 19.1 16.2 24.2
78 9.4 7.8 11.6

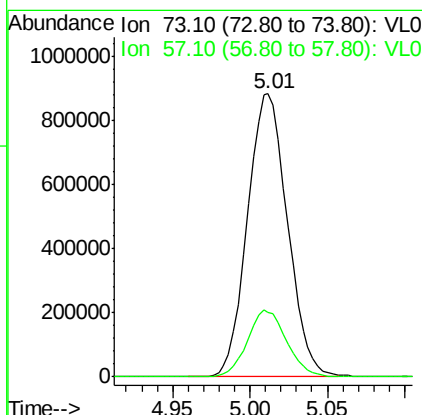
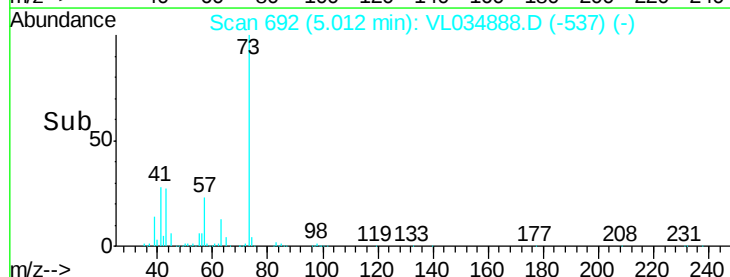
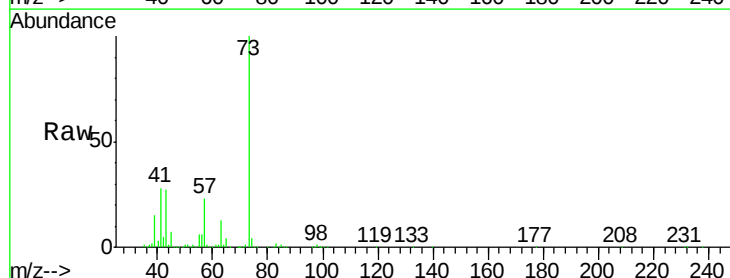
Manual Integrations
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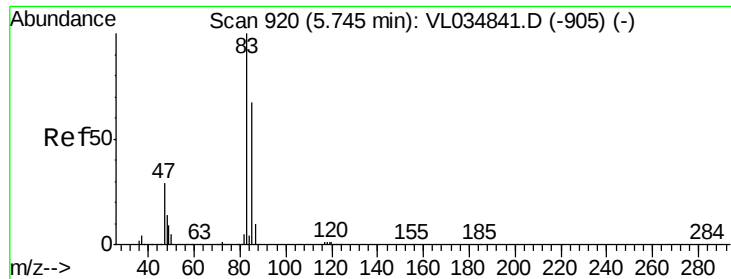
MMDadoda
3/17/2020 12:15:43 PM



#28
Methyl tert-Butyl Ether
Concen: 9.810 ppbv
RT: 5.01 min Scan# 692
Delta R.T. -0.00 min
Lab File: VL034888.D
Acq: 16 Mar 2020 13:23

Tgt Ion: 73 Resp: 1588624
Ion Ratio Lower Upper
73 100
57 23.2 18.3 27.5





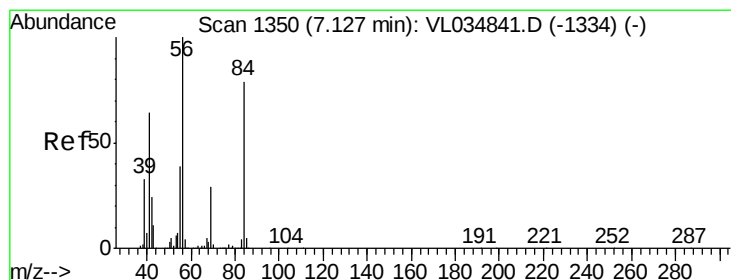
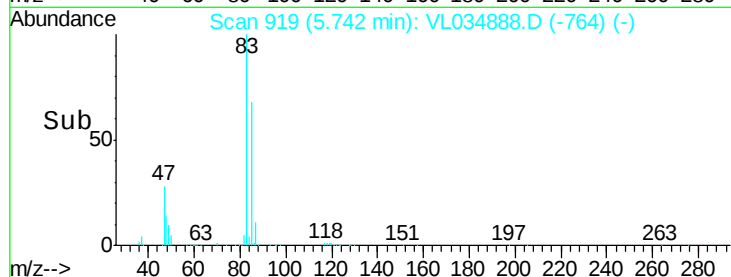
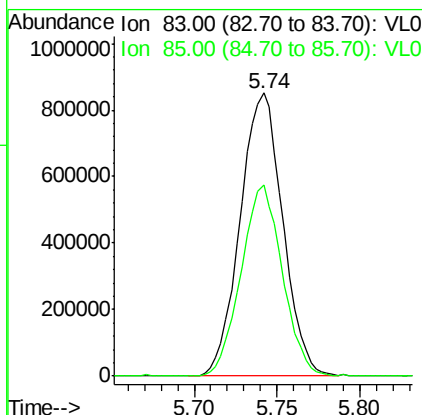
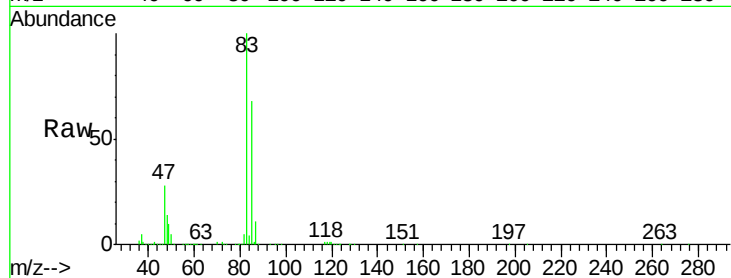
#29
Chloroform
Concen: 10.261 ppbv
RT: 5.74 min Scan# 919
Delta R.T. -0.00 min
Lab File: VL034888.D
Acq: 16 Mar 2020 13:23

Instrument :
MSVOA_L
ClientSampleId :
VL0316ABSD01

Tot Ion: 83 Resp: 1523790
Ion Ratio Lower Upper
83 100
85 67.5 53.8 80.6

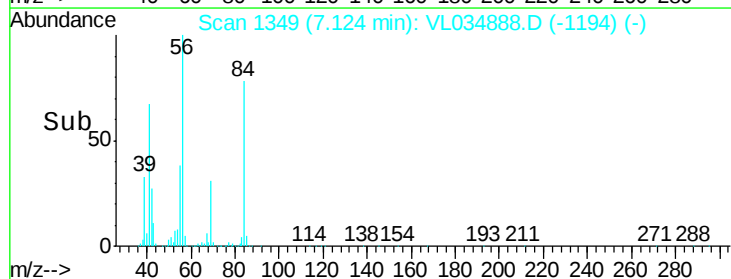
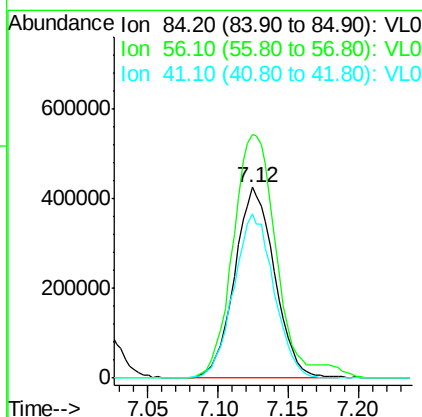
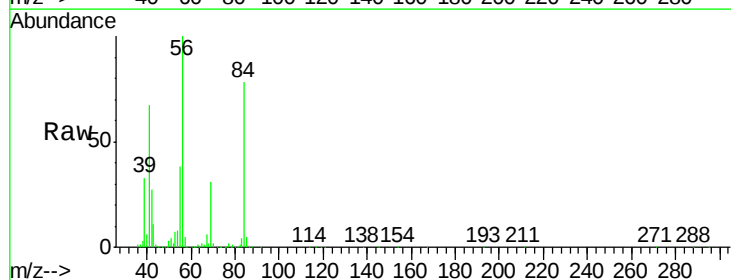
Manual Integrations
APPROVED

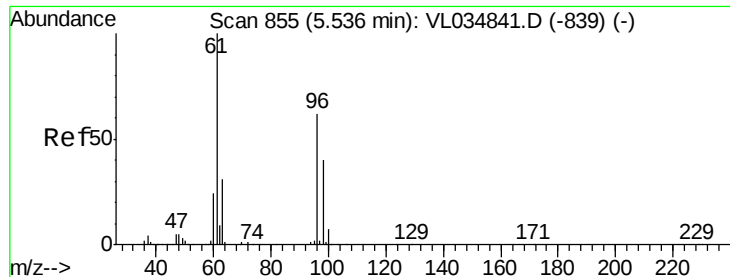
MMDadoda
3/17/2020 12:15:43 PM



#30
Cyclohexane
Concen: 10.401 ppbv
RT: 7.12 min Scan# 1349
Delta R.T. -0.00 min
Lab File: VL034888.D
Acq: 16 Mar 2020 13:23

Tgt Ion: 84 Resp: 844664
Ion Ratio Lower Upper
84 100
56 140.1 110.5 165.7
41 86.5 68.2 102.4





#31

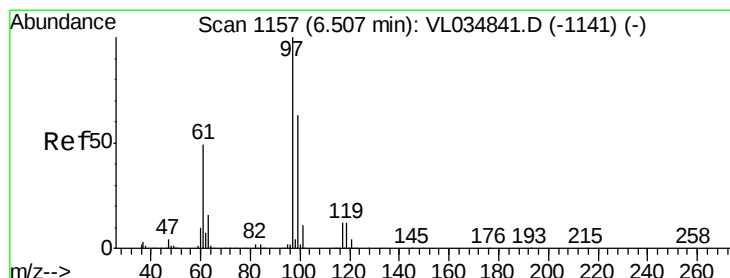
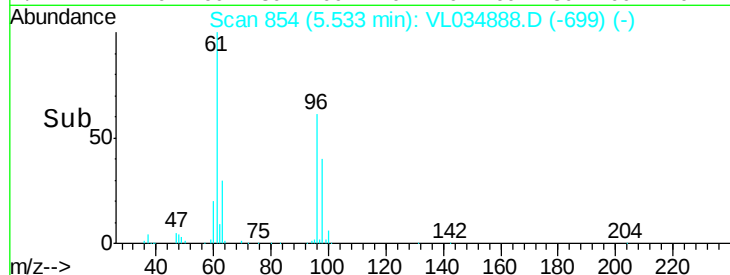
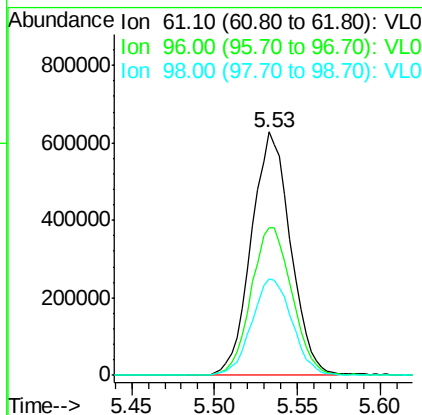
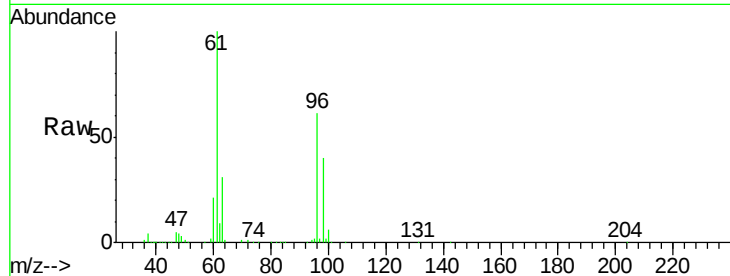
cis-1,2-Dichloroethene
Concen: 10.352 ppbv
RT: 5.53 min Scan# 854
Delta R.T. -0.00 min
Lab File: VL034888.D
Acq: 16 Mar 2020 13:23

Instrument :
MSVOA_L
ClientSampleId :
VL0316ABSD01

Tot Ion	Ratio	Lower	Upper
61	100		
96	60.8	49.8	74.8
98	39.5	32.2	48.4

Manual Integrations
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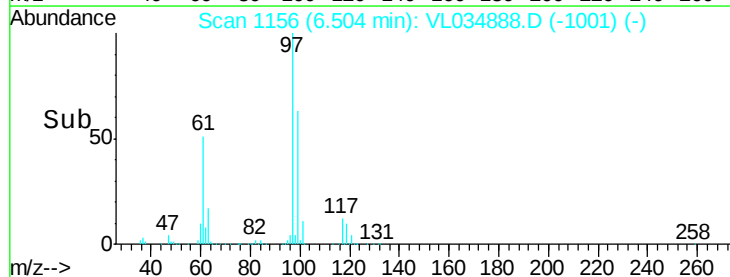
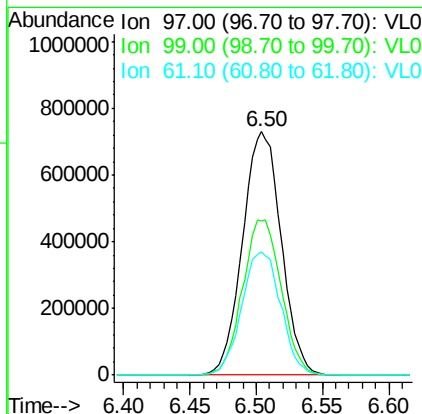
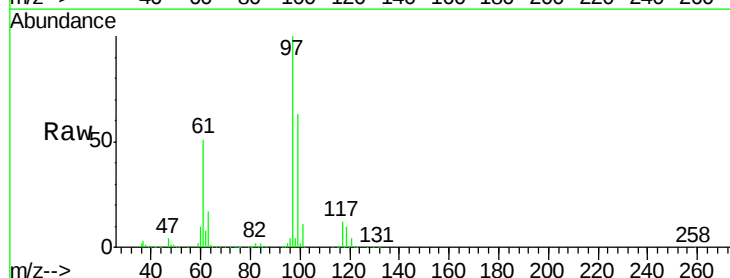
MMDadoda
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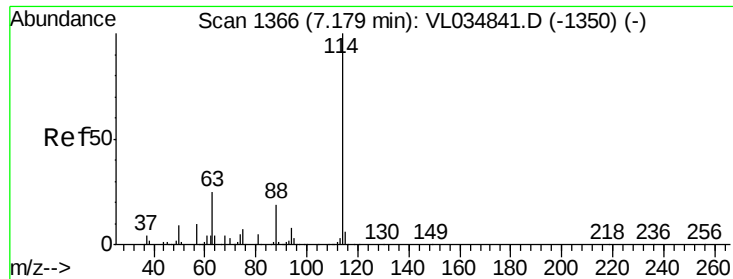


#32

1,1,1-Trichloroethane
Concen: 10.248 ppbv
RT: 6.50 min Scan# 1156
Delta R.T. -0.00 min
Lab File: VL034888.D
Acq: 16 Mar 2020 13:23

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.1	76.7
61	51.3	39.7	59.5





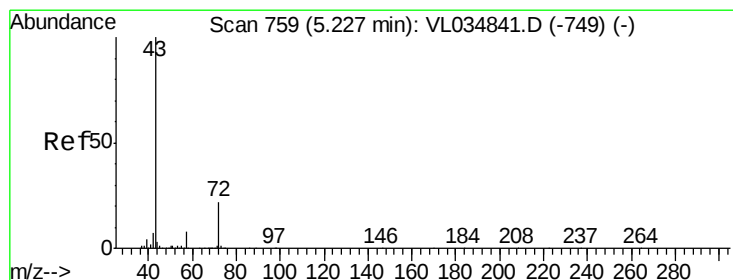
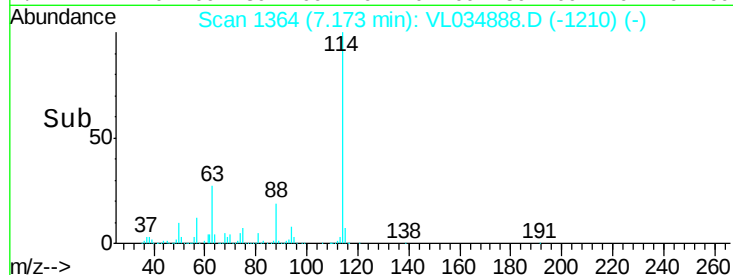
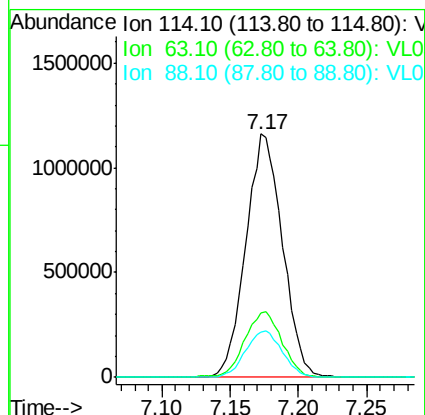
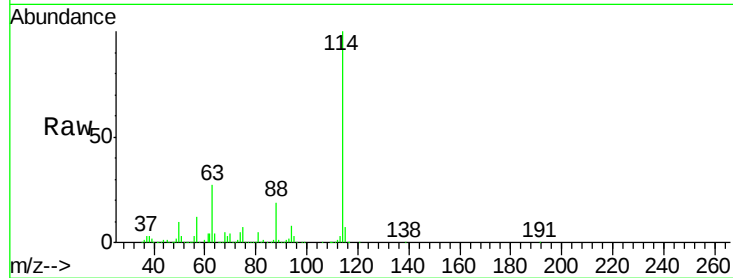
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VL034888.D
 Acq: 16 Mar 2020 13:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0316ABSD01

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.9	20.6	31.0
88	19.4	15.0	22.6

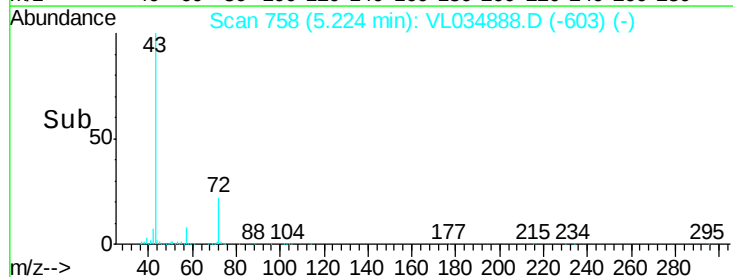
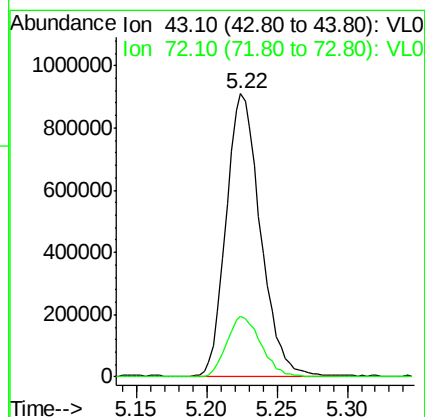
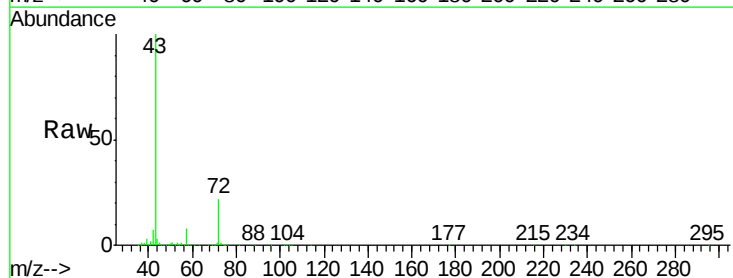
Manual Integrations
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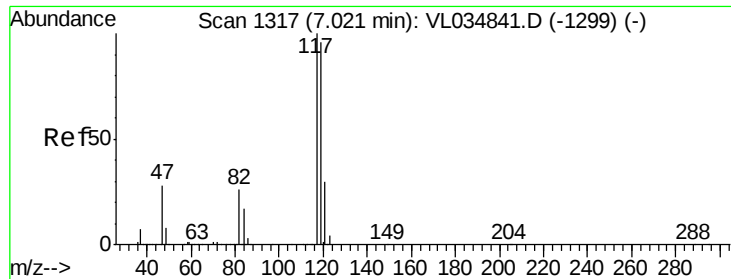
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#34
 2-Butanone
 Concen: 10.756 ppbv
 RT: 5.22 min Scan# 758
 Delta R.T. -0.00 min
 Lab File: VL034888.D
 Acq: 16 Mar 2020 13:23

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.7	17.6	26.4





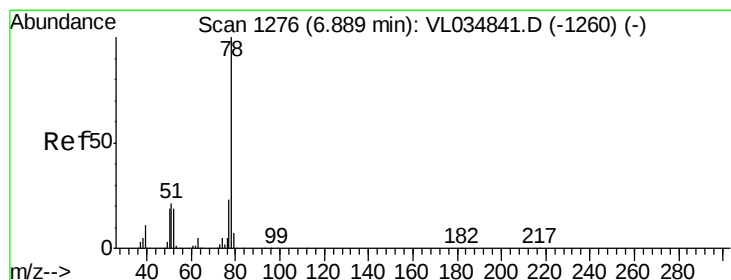
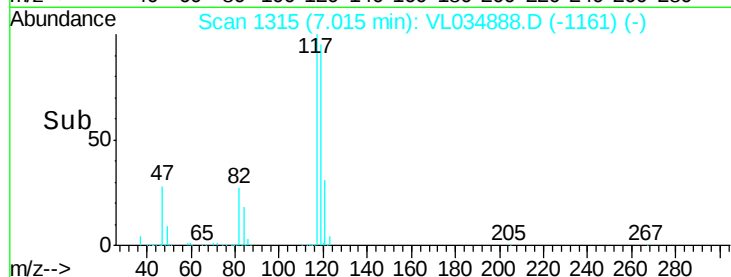
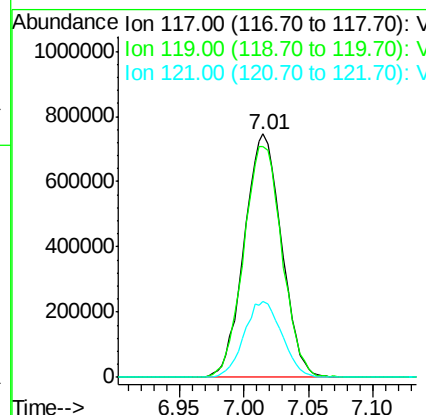
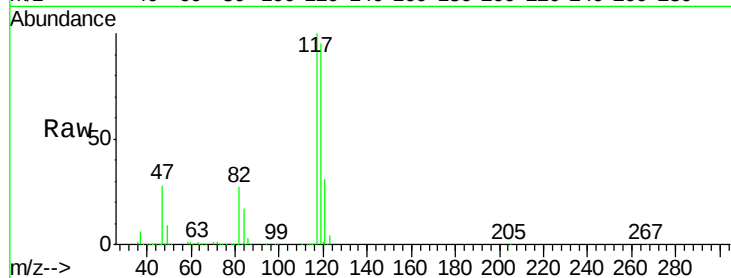
#35
Carbon Tetrachloride
Concen: 11.181 ppbv
RT: 7.01 min Scan# 1315
Delta R.T. -0.01 min
Lab File: VL034888.D
Acq: 16 Mar 2020 13:23

Instrument :
MSVOA_L
ClientSampleId :
VL0316ABSD01

Tot Ion	Ratio	Lower	Upper
117	100		
119	94.7	77.0	115.4
121	31.3	24.0	36.0

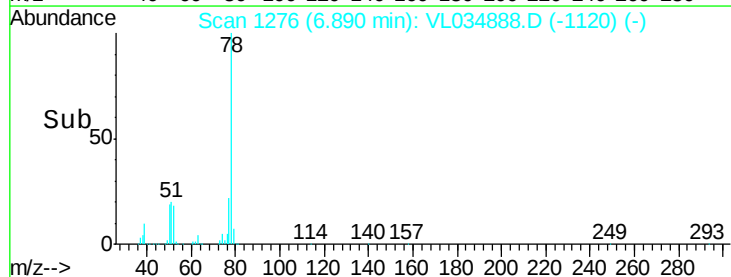
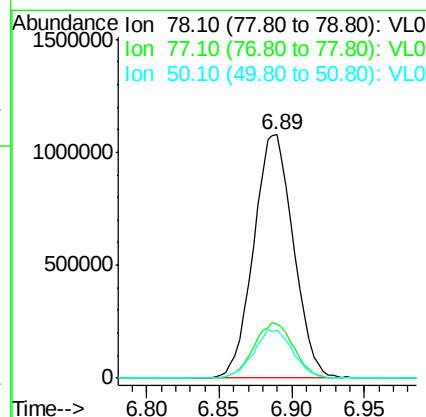
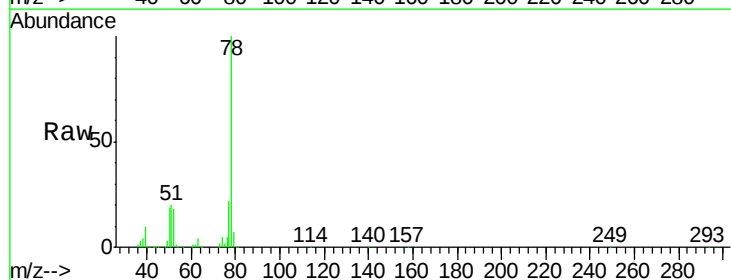
Manual Integrations
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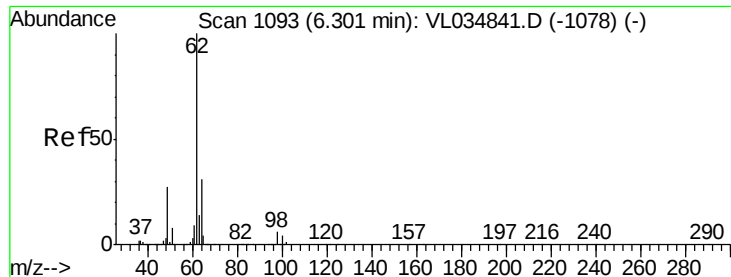
MMDadoda
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#36
Benzene
Concen: 10.692 ppbv
RT: 6.89 min Scan# 1276
Delta R.T. 0.00 min
Lab File: VL034888.D
Acq: 16 Mar 2020 13:23

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.4	18.2	27.2
50	19.4	15.2	22.8





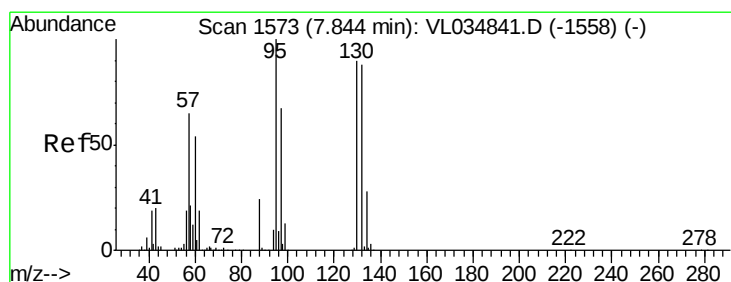
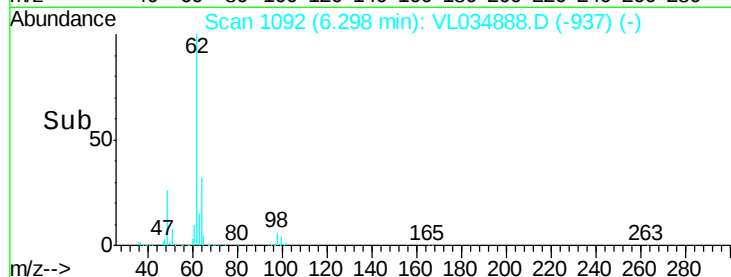
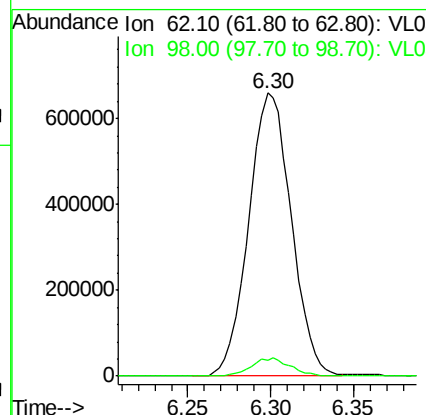
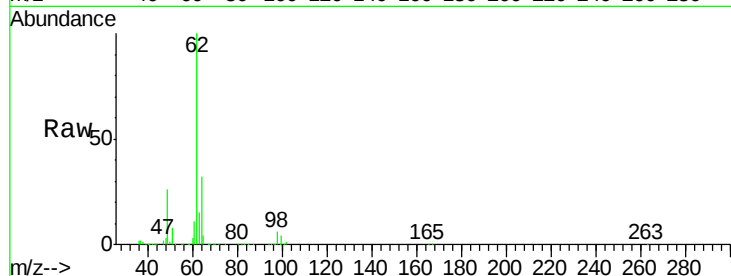
#37
1,2-Dichloroethane
Concen: 10.884 ppbv
RT: 6.30 min Scan# 1092
Delta R.T. -0.00 min
Lab File: VL034888.D
Acq: 16 Mar 2020 13:23

Instrument :
MSVOA_L
ClientSampleId :
VL0316ABSD01

Tot Ion	Ratio	Lower	Upper
62	100		
98	6.0	5.2	7.8

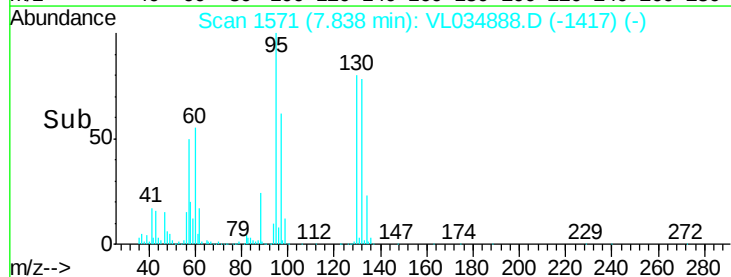
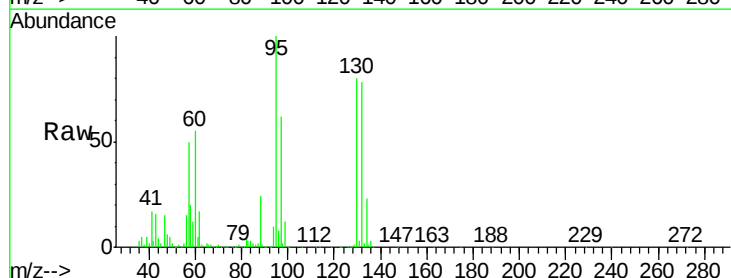
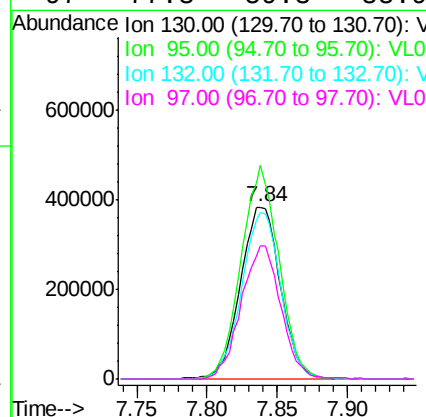
Manual Integrations
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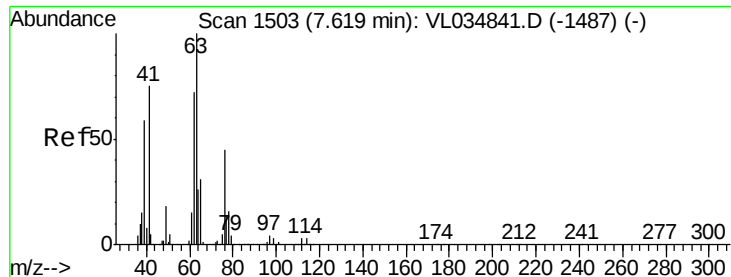
MMDadoda
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#38
Trichloroethene
Concen: 10.392 ppbv
RT: 7.84 min Scan# 1571
Delta R.T. -0.01 min
Lab File: VL034888.D
Acq: 16 Mar 2020 13:23

Tgt Ion	Ratio	Lower	Upper
130	100		
95	124.4	88.5	132.7
132	97.0	78.0	117.0
97	77.3	59.3	88.9





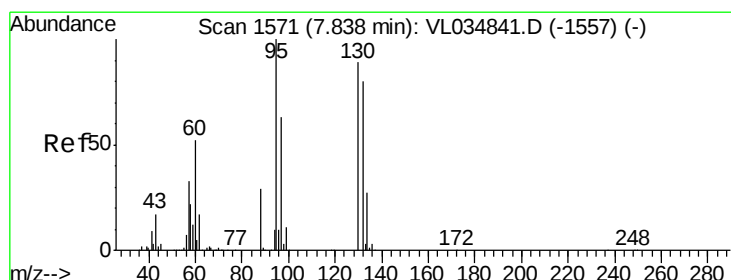
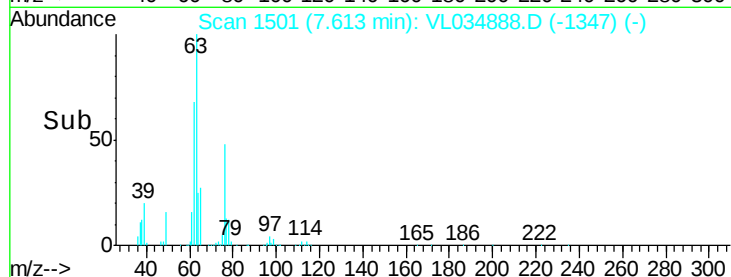
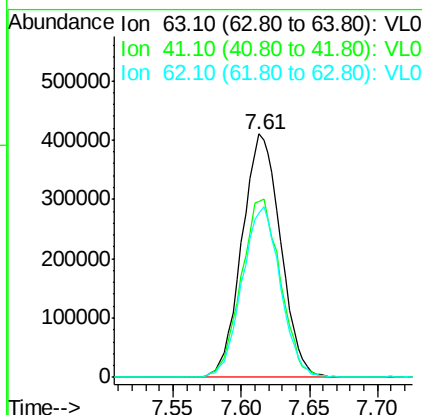
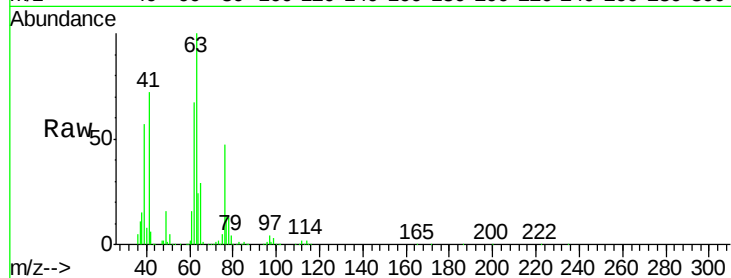
#39
 1,2-Dichloropropane
 Concen: 10.565 ppbv
 RT: 7.61 min Scan# 1501
 Delta R.T. -0.01 min
 Lab File: VL034888.D
 Acq: 16 Mar 2020 13:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0316ABSD01

Tot Ion	Ratio	Lower	Upper
63	100		
41	72.3	59.8	89.8
62	67.2	57.6	86.4

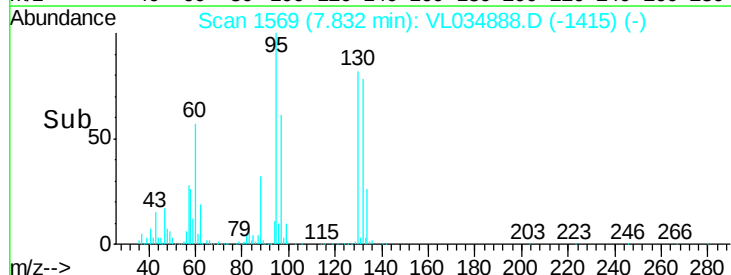
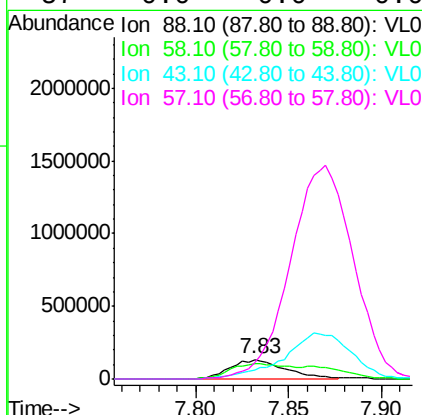
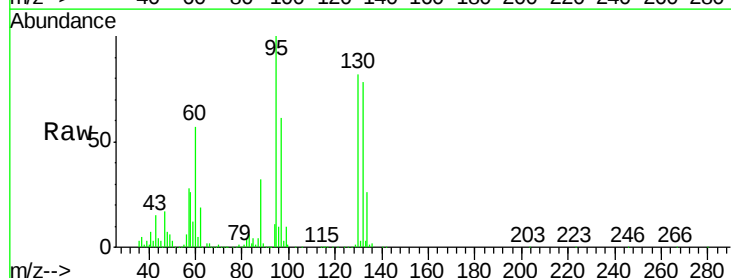
Manual Integrations
 APPROVED

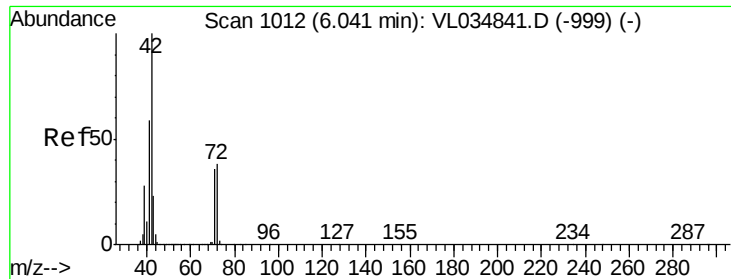
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#40
 1,4-Dioxane
 Concen: 9.431 ppbv
 RT: 7.83 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: VL034888.D
 Acq: 16 Mar 2020 13:23

Tgt Ion	Ratio	Lower	Upper
88	100		
58	140.4	103.9	155.9
43	0.0	0.0	0.0
57	0.0	0.0	0.0





#41

Tetrahydrofuran

Concen: 11.205 ppbv

RT: 6.03 min Scan# 1010

Delta R.T. -0.01 min

Lab File: VL034888.D

Acq: 16 Mar 2020 13:23

Instrument :

MSVOA_L

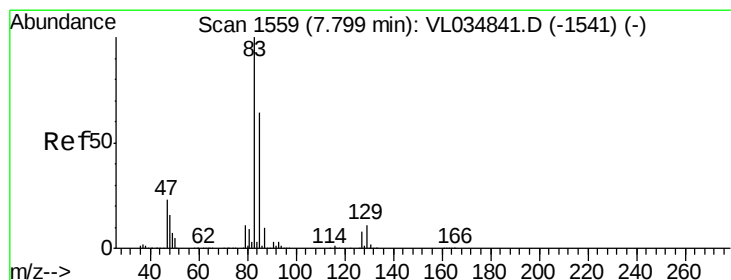
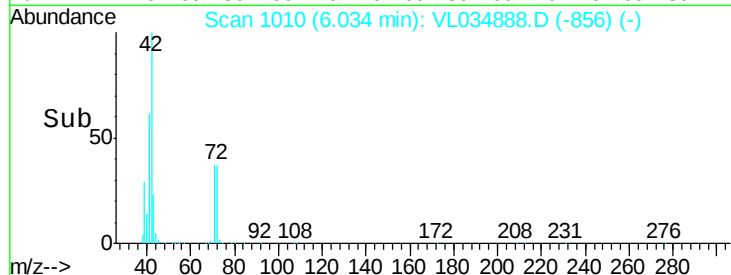
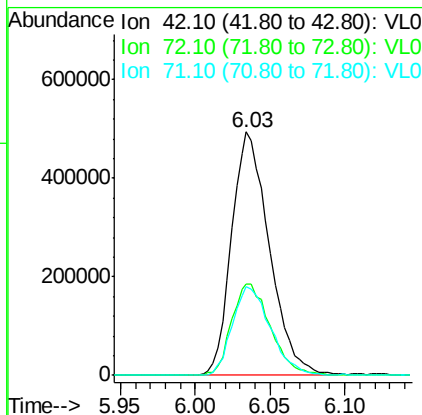
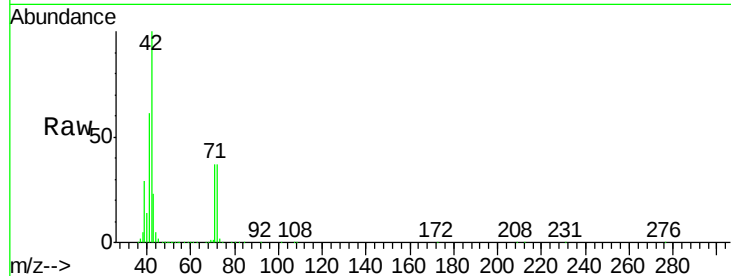
ClientSampleId :

VL0316ABSD01

Tot Ion:	42	Resp:	869930
Ion Ratio		Lower	Upper
42	100		
72	38.7	30.8	46.2
71	37.2	30.1	45.1

Manual Integrations
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#42

Bromodichloromethane

Concen: 10.986 ppbv

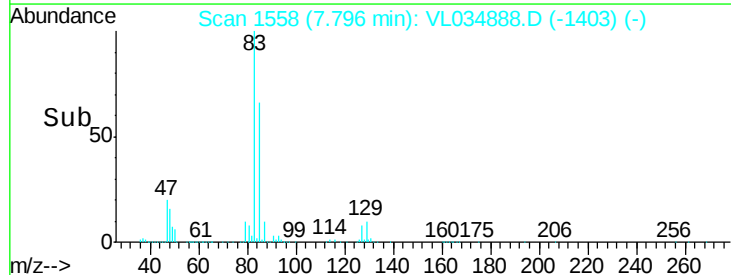
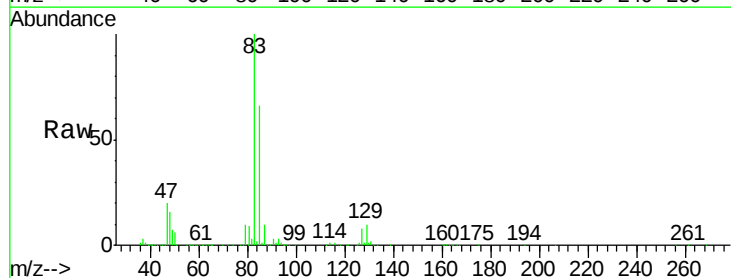
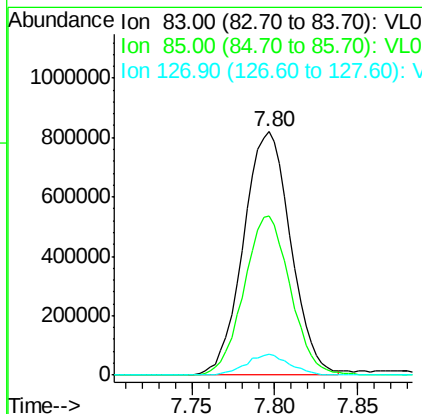
RT: 7.80 min Scan# 1558

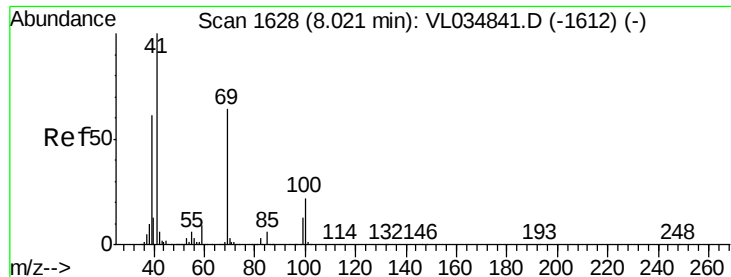
Delta R.T. -0.00 min

Lab File: VL034888.D

Acq: 16 Mar 2020 13:23

Tgt Ion:	83	Resp:	1624879
Ion Ratio		Lower	Upper
83	100		
85	65.7	51.4	77.2
127	8.4	6.2	9.4





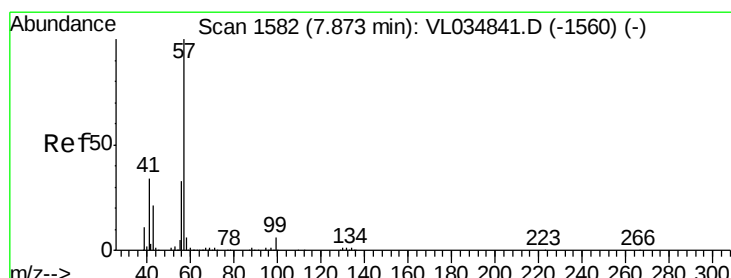
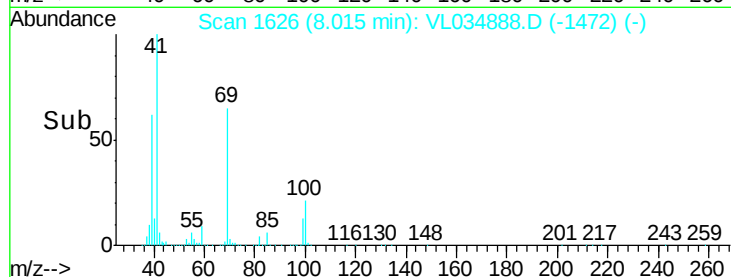
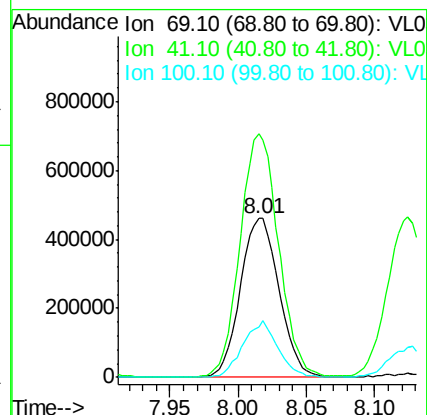
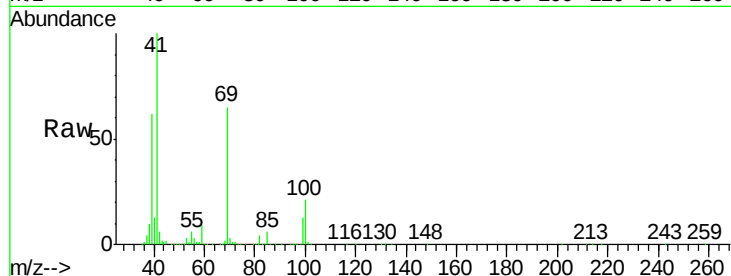
#43
Methvl Methacrylate
Concen: 11.244 ppbv
RT: 8.01 min Scan# 1626
Delta R.T. -0.01 min
Lab File: VL034888.D
Acq: 16 Mar 2020 13:23

Instrument :
MSVOA_L
ClientSampleId :
VL0316ABSD01

Tot Ion	Ratio	Lower	Upper
69	100		
41	152.1	123.2	184.8
100	32.0	26.9	40.3

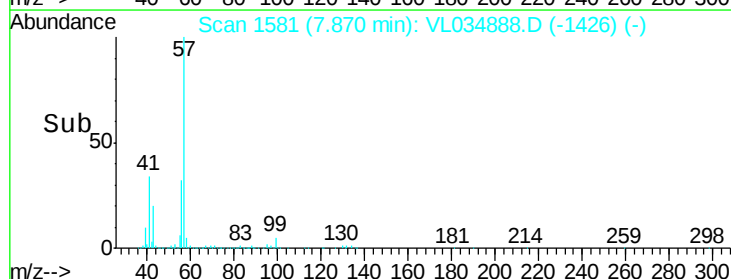
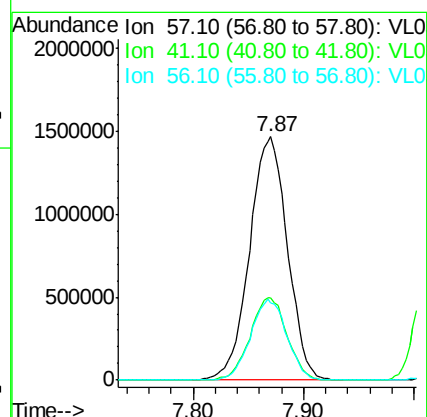
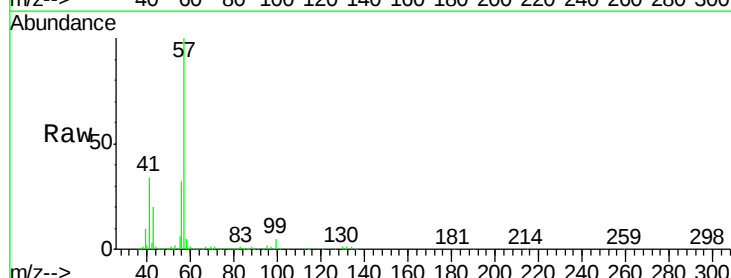
Manual Integrations
APPROVED

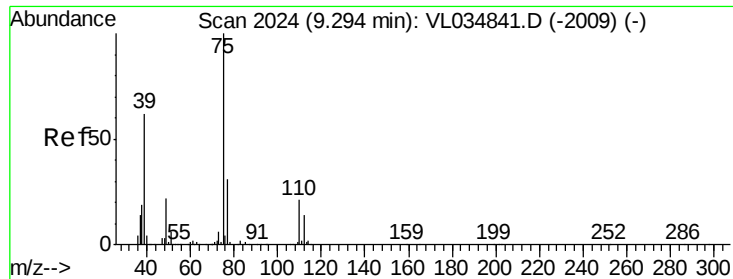
MMDadoda
3/17/2020 12:15:43 PM



#44
2,2,4-Trimethylpentane
Concen: 10.701 ppbv
RT: 7.87 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VL034888.D
Acq: 16 Mar 2020 13:23

Tgt Ion	Ratio	Lower	Upper
57	100		
41	33.2	26.2	39.4
56	32.0	25.0	37.4





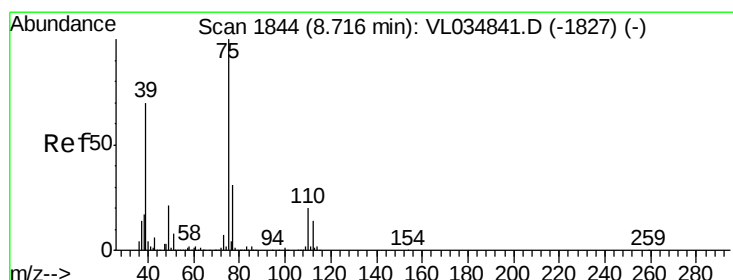
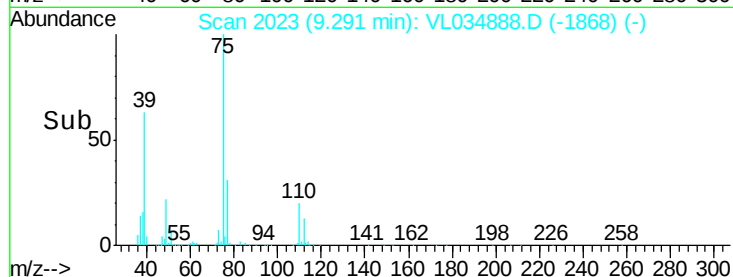
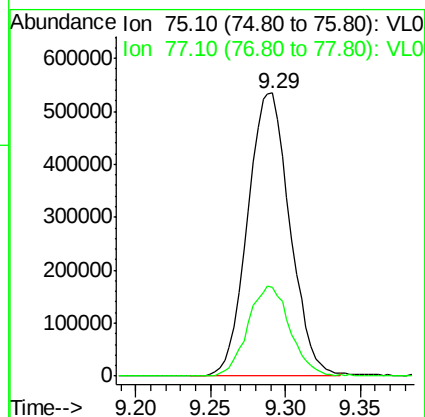
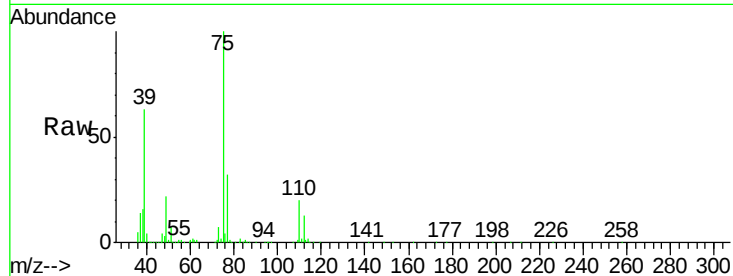
#45
t-1,3-Dichloropropene
Concen: 11.058 ppbv
RT: 9.29 min Scan# 2023
Delta R.T. -0.00 min
Lab File: VL034888.D
Acq: 16 Mar 2020 13:23

Instrument :
MSVOA_L
ClientSampleId :
VL0316ABSD01

Tot Ion: 75 Resp: 1053343
Ion Ratio Lower Upper
75 100
77 31.5 24.6 37.0

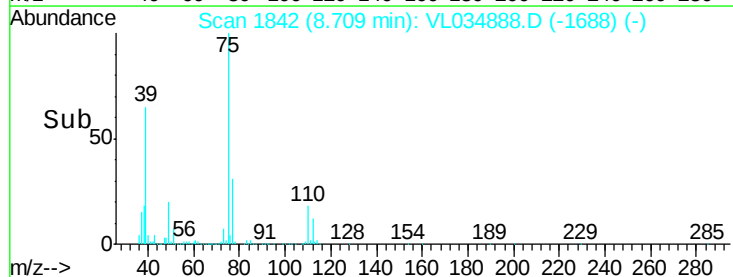
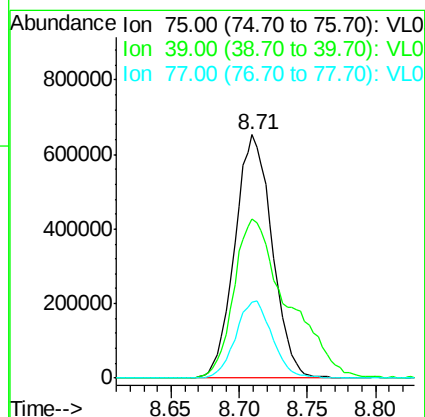
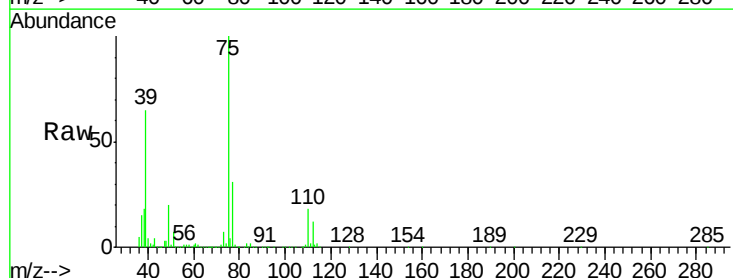
Manual Integrations
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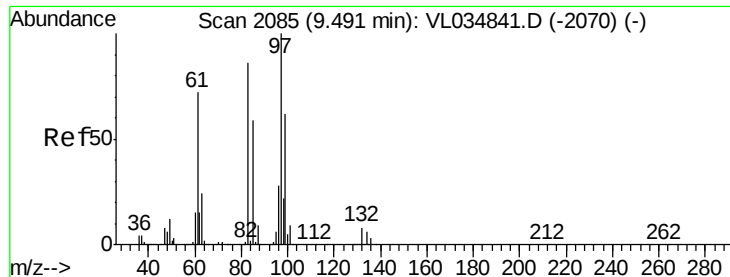
MMDadoda
3/17/2020 12:15:43 PM



#46
cis-1,3-Dichloropropene
Concen: 10.902 ppbv
RT: 8.71 min Scan# 1842
Delta R.T. -0.01 min
Lab File: VL034888.D
Acq: 16 Mar 2020 13:23

Tgt Ion: 75 Resp: 1234091
Ion Ratio Lower Upper
75 100
39 65.5 55.7 83.5
77 31.1 24.7 37.1





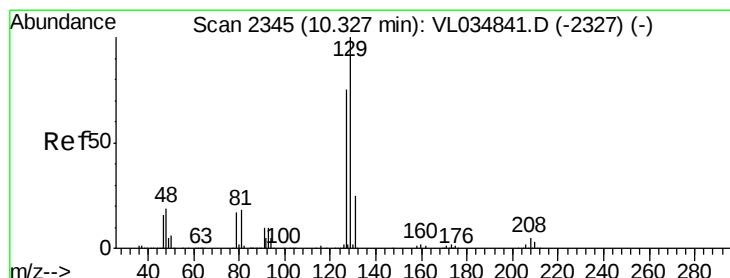
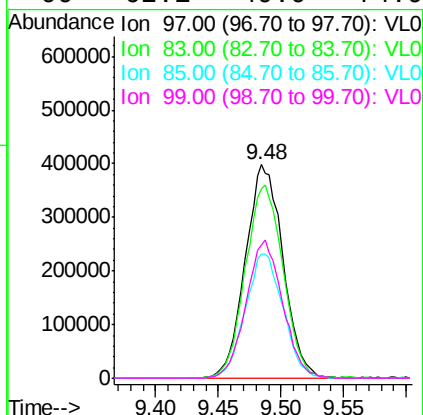
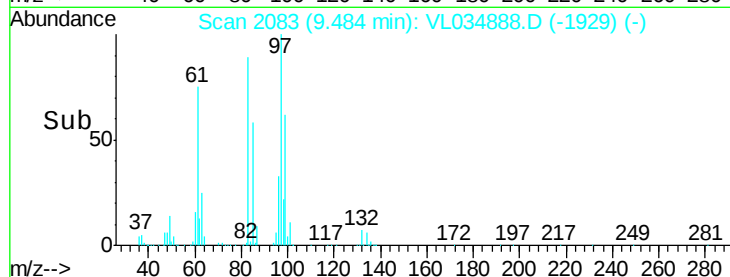
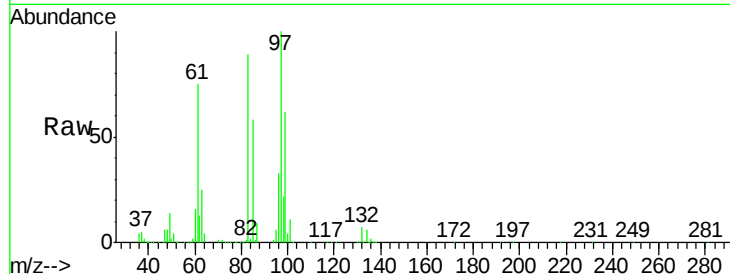
#47
 1,1,2-Trichloroethane
 Concen: 10.616 ppbv
 RT: 9.48 min Scan# 2083
 Delta R.T. -0.01 min
 Lab File: VL034888.D
 Acq: 16 Mar 2020 13:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0316ABSD01

Tot Ion	Ratio	Lower	Upper
97	100		
83	88.7	68.6	102.8
85	57.9	46.9	70.3
99	62.1	49.9	74.9

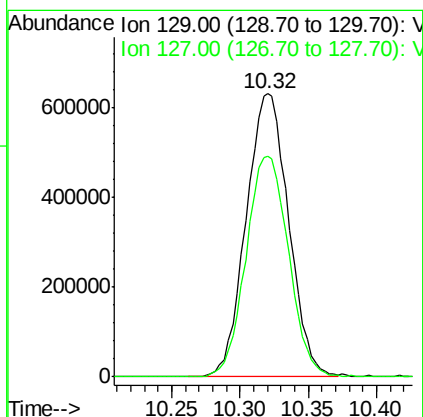
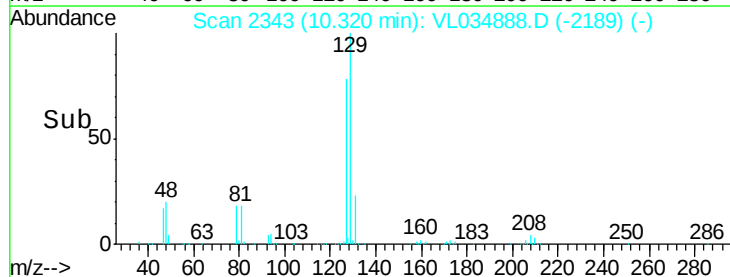
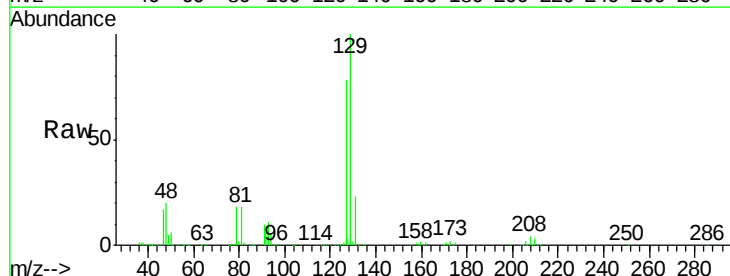
Manual Integrations
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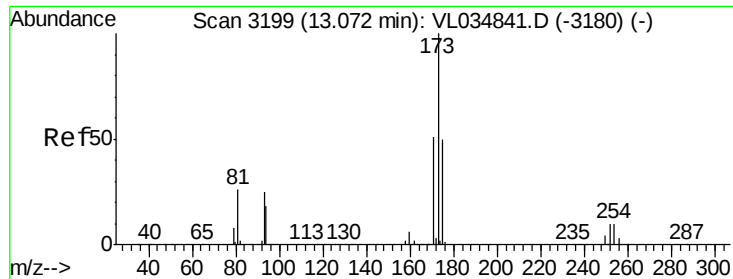
MMDadoda
 3/17/2020 12:15:43 PM



#48
 Dibromochloromethane
 Concen: 10.772 ppbv
 RT: 10.32 min Scan# 2343
 Delta R.T. -0.01 min
 Lab File: VL034888.D
 Acq: 16 Mar 2020 13:23

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.4	39.6	118.7





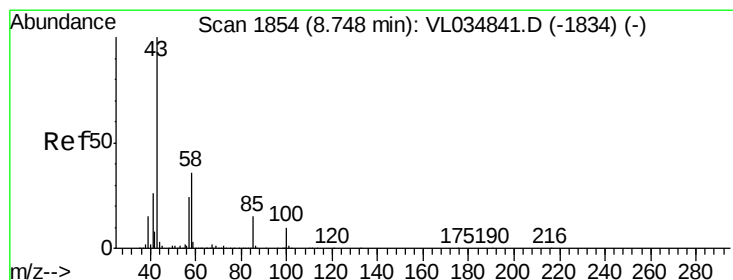
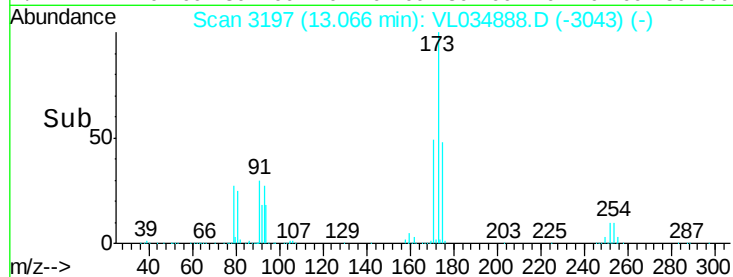
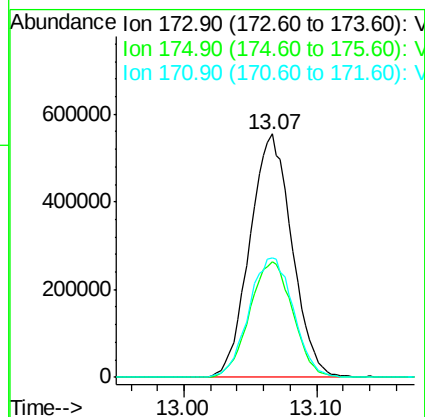
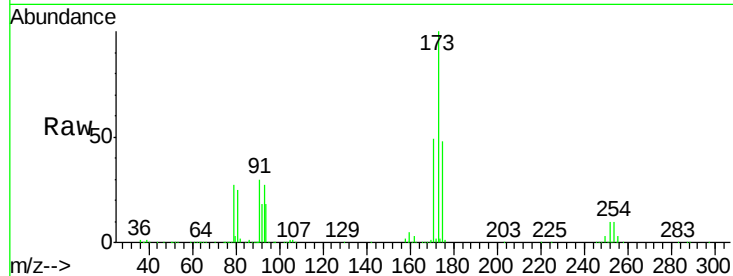
#49
Bromoform
Concen: 10.825 ppbv
RT: 13.07 min Scan# 3197
Delta R.T. -0.01 min
Lab File: VL034888.D
Acq: 16 Mar 2020 13:23

Instrument :
MSVOA_L
ClientSampleId :
VL0316ABSD01

Tot Ion:173 Resp: 1223164
Ion Ratio Lower Upper
173 100
175 48.9 39.6 59.4
171 51.9 41.0 61.6

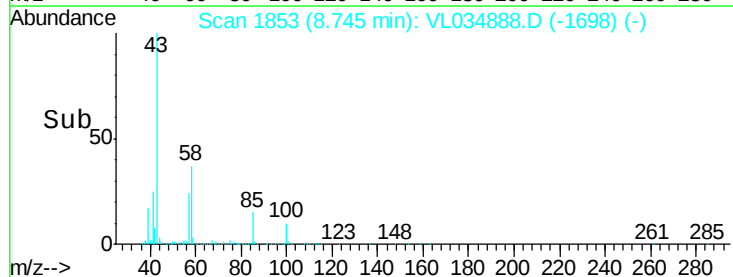
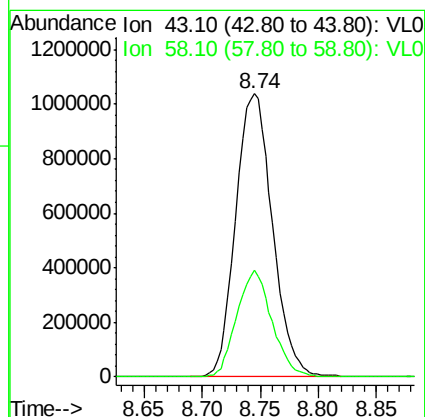
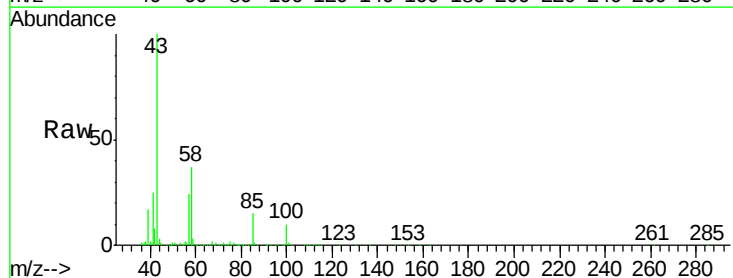
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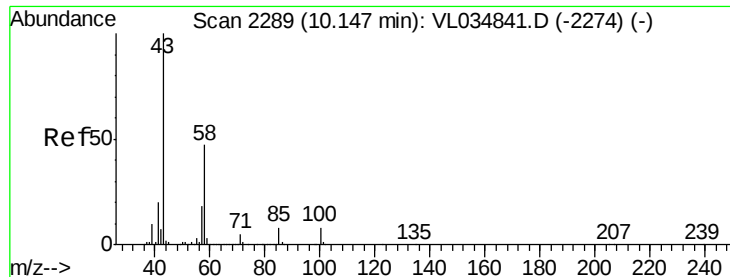
MMDadoda
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#50
4-Methyl-2-Pentanone
Concen: 11.021 ppbv
RT: 8.74 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VL034888.D
Acq: 16 Mar 2020 13:23

Tgt Ion: 43 Resp: 2276461
Ion Ratio Lower Upper
43 100
58 36.1 28.6 42.8





#51

2-Hexanone

Concen: 11.157 ppbv

RT: 10.14 min Scan# 2287

Delta R.T. -0.01 min

Lab File: VL034888.D

Acq: 16 Mar 2020 13:23

Instrument :

MSVOA_L

ClientSampleId :

VL0316ABSD01

Tot Ion: 43 Resp: 1872820

Ion Ratio Lower Upper

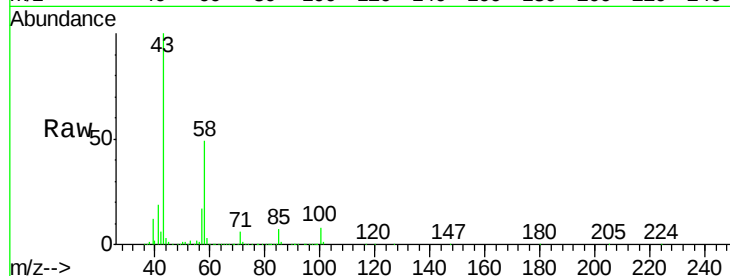
43 100

58 48.3 38.6 58.0

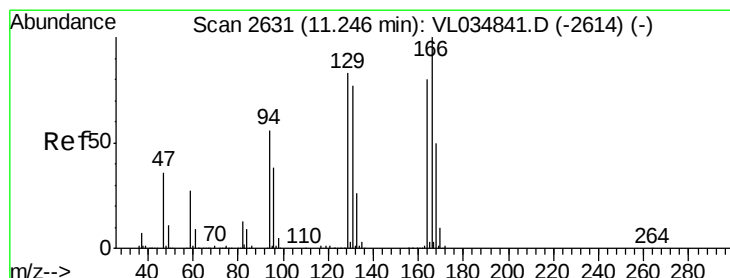
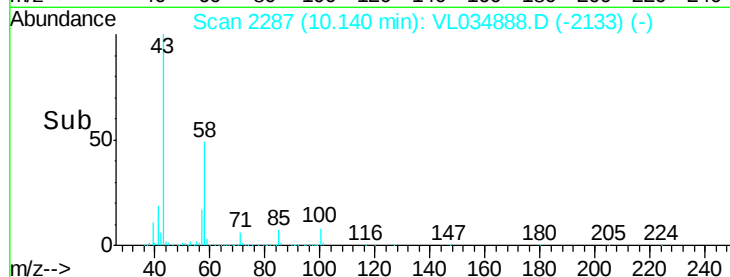
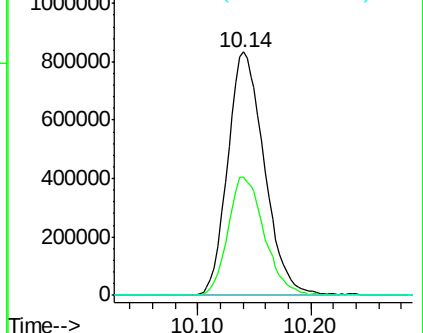
98 0.2 0.1 0.1#

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Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 9.476 ppbv

RT: 11.24 min Scan# 2629

Delta R.T. -0.01 min

Lab File: VL034888.D

Acq: 16 Mar 2020 13:23

Tgt Ion: 164 Resp: 721461

Ion Ratio Lower Upper

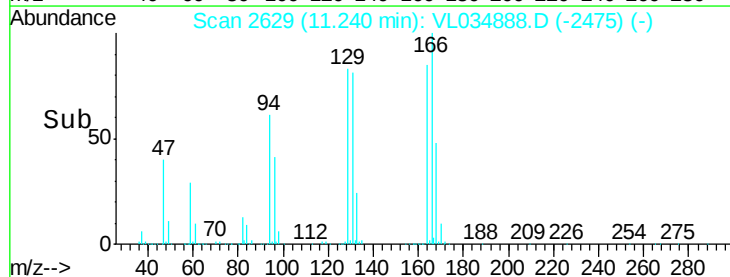
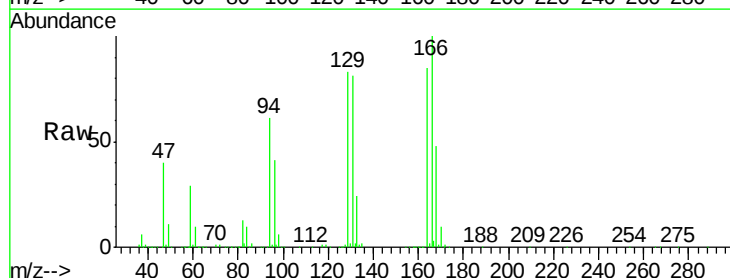
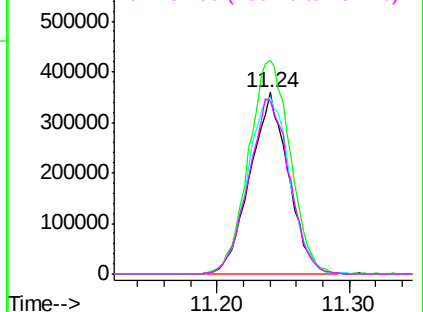
164 100

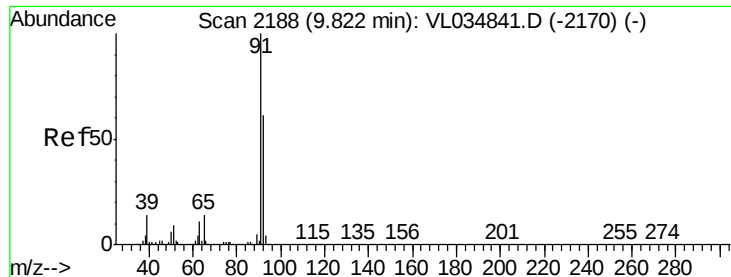
166 117.8 100.0 150.0

129 97.4 83.1 124.7

131 95.6 77.2 115.8

Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 10.620 ppbv

RT: 9.82 min Scan# 2186

Delta R.T. -0.01 min

Lab File: VL034888.D

Acq: 16 Mar 2020 13:23

Instrument :

MSVOA_L

ClientSampleId :

VL0316ABSD01

Tot Ion: 91 Resp: 2360287

Ion Ratio Lower Upper

91 100

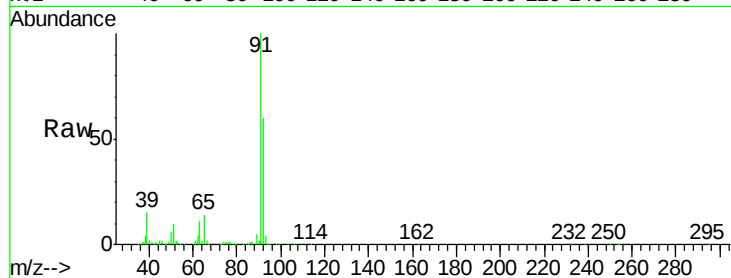
92 60.4 48.6 72.8

Manual Integrations

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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

9.82

1200000

1000000

800000

600000

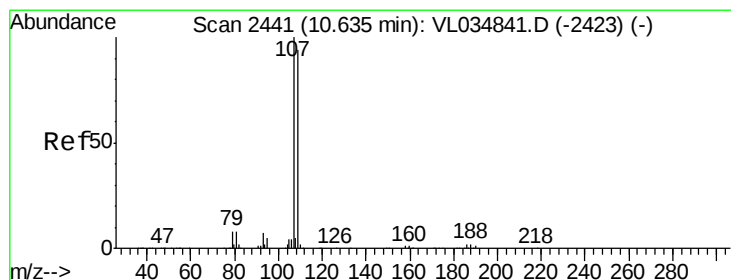
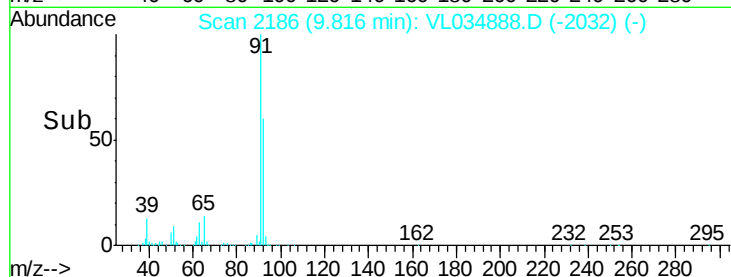
400000

200000

0

9.75 9.80 9.85 9.90

Time-->



#54

1,2-Dibromoethane

Concen: 10.647 ppbv

RT: 10.63 min Scan# 2438

Delta R.T. -0.01 min

Lab File: VL034888.D

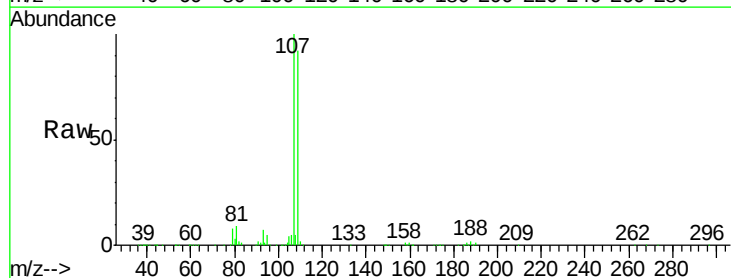
Acq: 16 Mar 2020 13:23

Tgt Ion:107 Resp: 1254180

Ion Ratio Lower Upper

107 100

109 92.2 74.9 112.3



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

10.63

600000

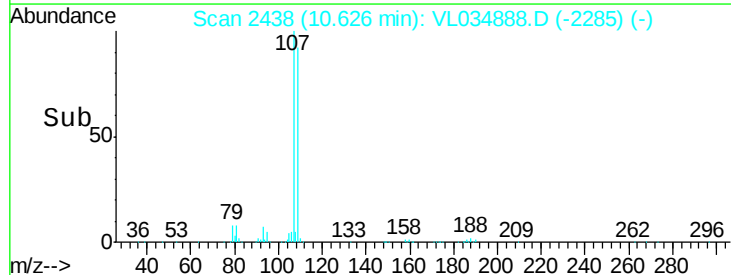
400000

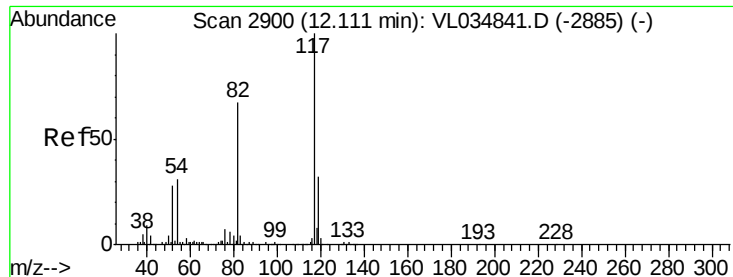
200000

0

10.55 10.60 10.65 10.70

Time-->





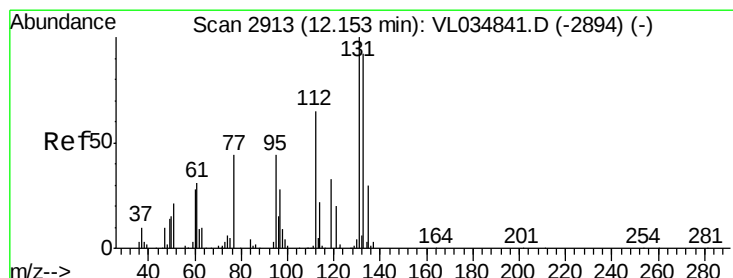
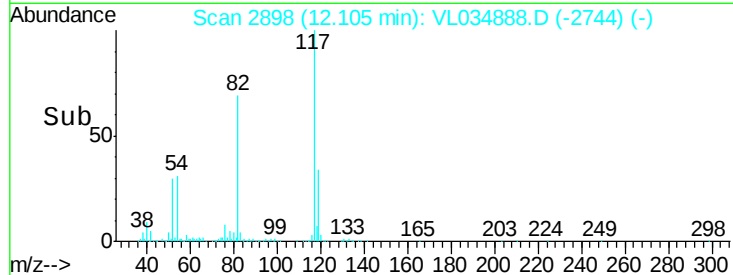
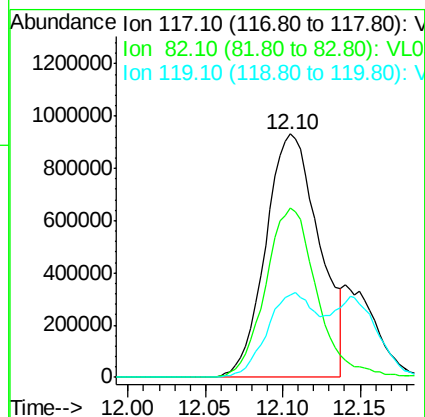
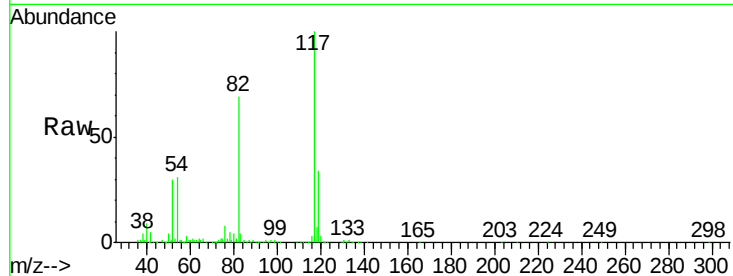
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2898
Delta R.T. -0.01 min
Lab File: VL034888.D
Acq: 16 Mar 2020 13:23

Instrument :
MSVOA_L
ClientSampleId :
VL0316ABSD01

Tot Ion:117 Resp: 2244342
Ion Ratio Lower Upper
117 100
82 67.4 51.1 76.7
119 34.8 27.3 40.9

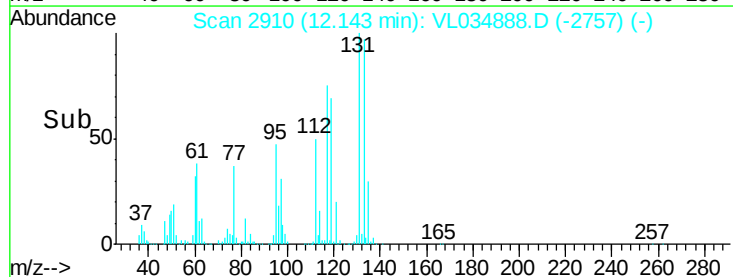
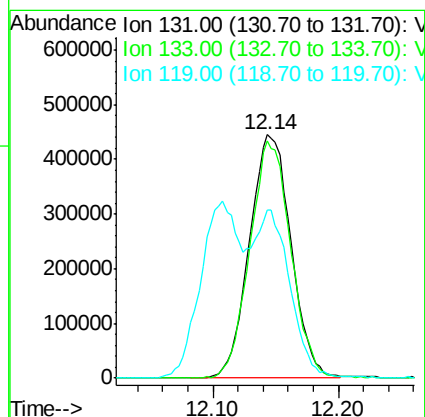
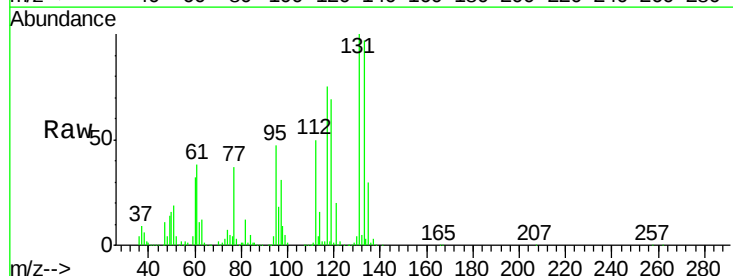
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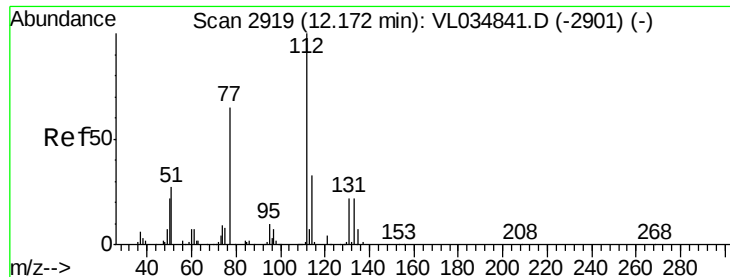
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#56
1,1,1,2-Tetrachloroethane
Concen: 10.133 ppbv
RT: 12.14 min Scan# 2910
Delta R.T. -0.01 min
Lab File: VL034888.D
Acq: 16 Mar 2020 13:23

Tgt Ion:131 Resp: 1021604
Ion Ratio Lower Upper
131 100
133 96.2 76.0 114.0
119 56.7 47.8 71.8





#57

Chlorobenzene

Concen: 9.986 ppbv

RT: 12.17 min Scan# 2917

Delta R.T. -0.01 min

Lab File: VL034888.D

Acq: 16 Mar 2020 13:23

Instrument :

MSVOA_L

ClientSampleId :

VL0316ABSD01

Tot Ion: 112 Resp: 1753545

Ion Ratio Lower Upper

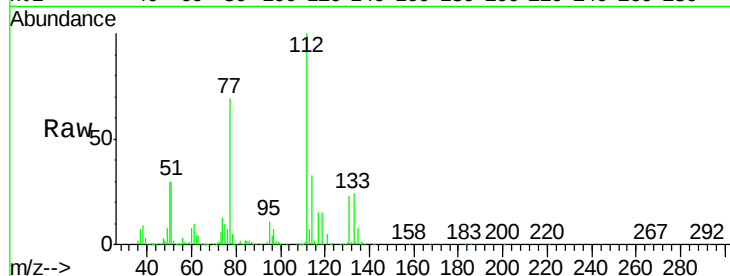
112 100

77 68.3 53.0 79.6

114 32.5 29.5 36.1

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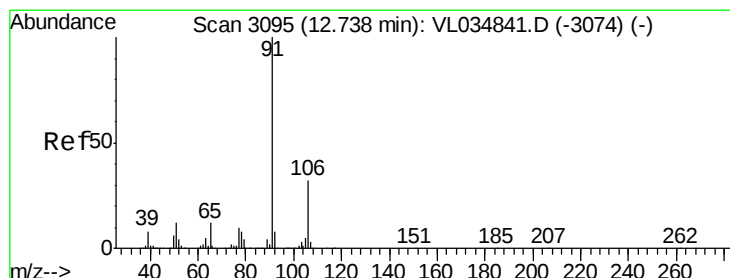
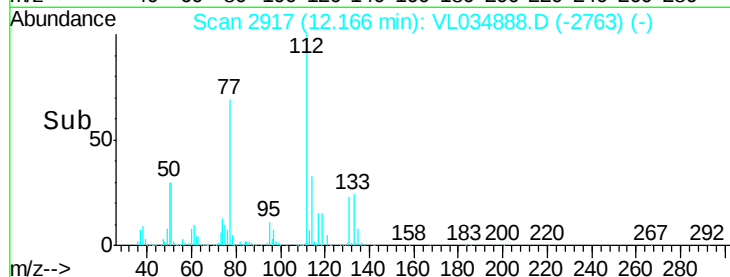
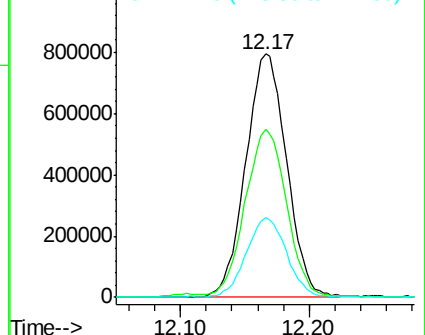
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 10.380 ppbv

RT: 12.73 min Scan# 3092

Delta R.T. -0.01 min

Lab File: VL034888.D

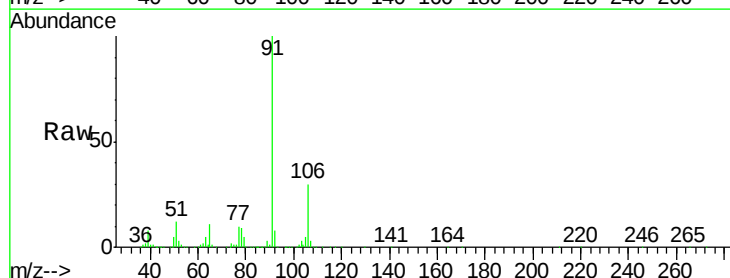
Acq: 16 Mar 2020 13:23

Tgt Ion: 91 Resp: 3154917

Ion Ratio Lower Upper

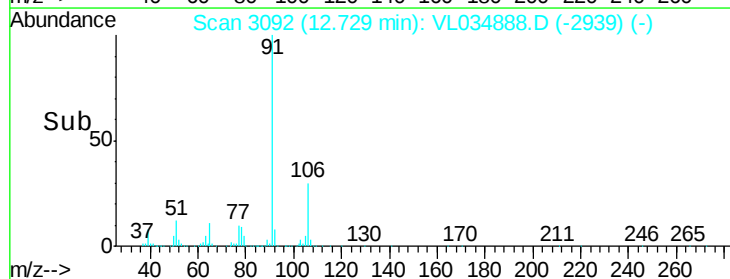
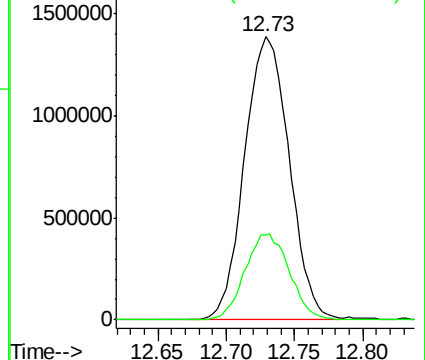
91 100

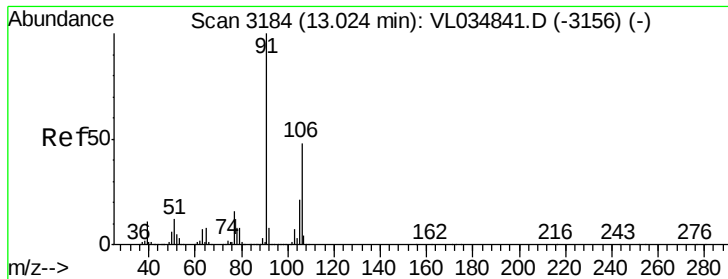
106 30.1 25.8 38.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 20.475 ppbv m

RT: 13.02 min Scan# 3182

Delta R.T. -0.01 min

Lab File: VL034888.D

Acq: 16 Mar 2020 13:23

Instrument :

MSVOA_L

ClientSampleId :

VL0316ABSD01

Tot Ion: 91 Resp: 5213465

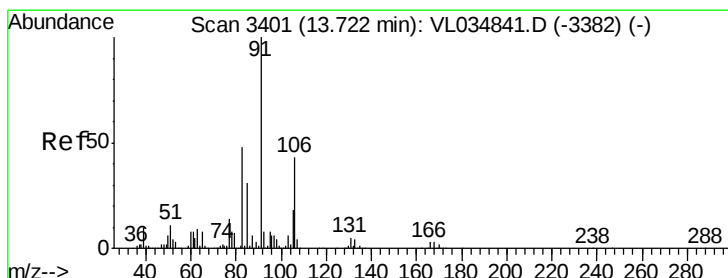
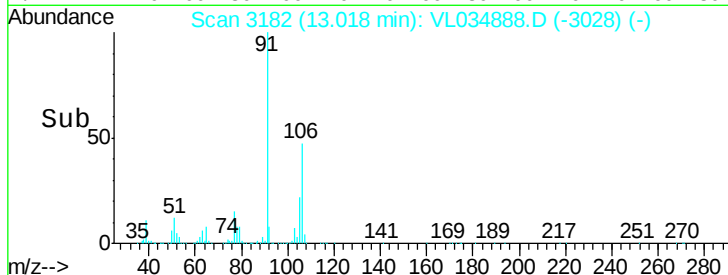
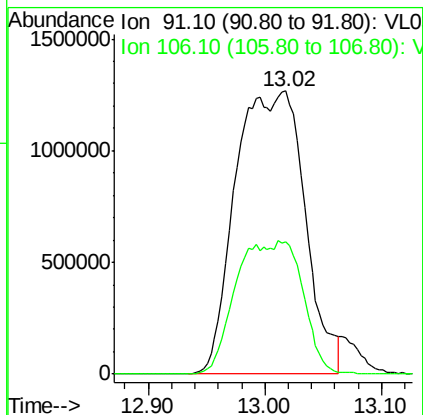
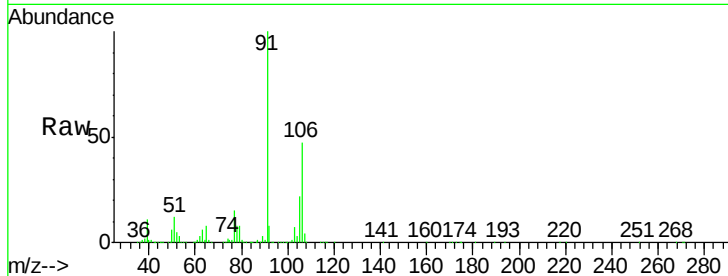
Ion Ratio Lower Upper

91 100

106 45.4 37.1 55.7

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#60

o-Xylene

Concen: 10.319 ppbv

RT: 13.71 min Scan# 3398

Delta R.T. -0.01 min

Lab File: VL034888.D

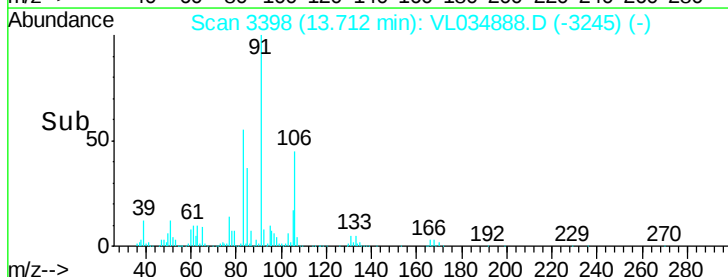
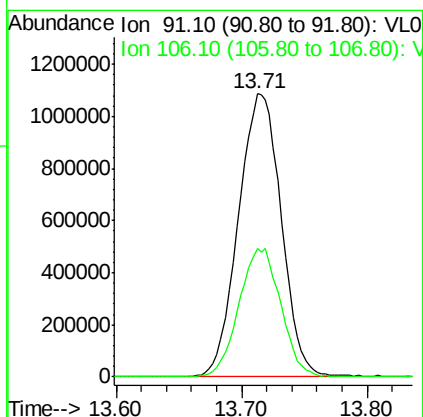
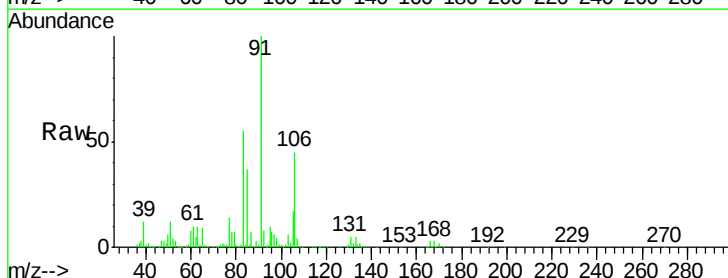
Acq: 16 Mar 2020 13:23

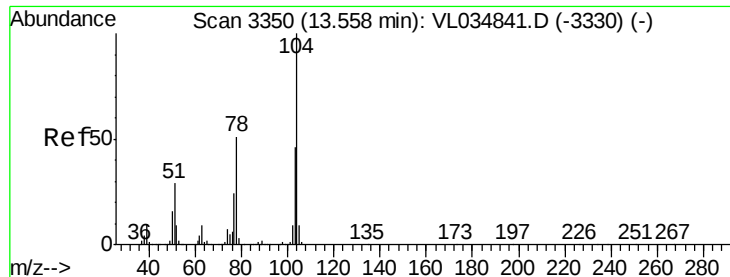
Tgt Ion: 91 Resp: 2565453

Ion Ratio Lower Upper

91 100

106 44.6 22.5 67.5





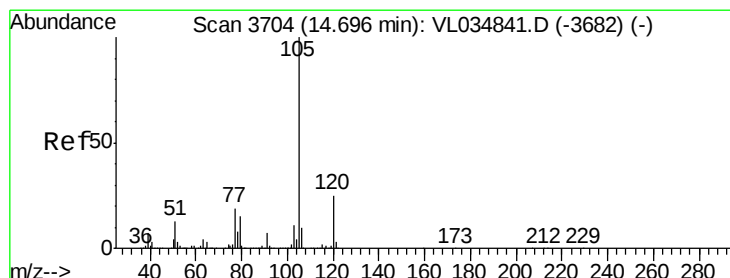
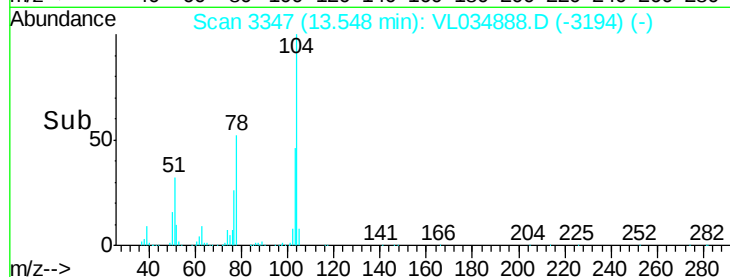
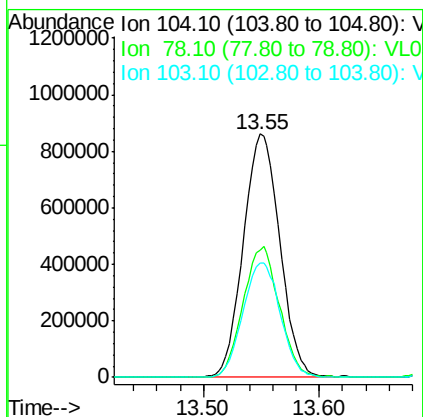
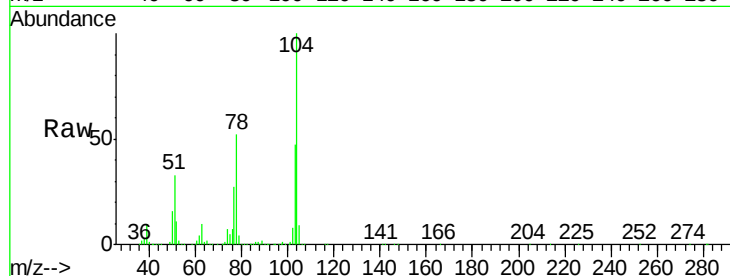
#61
Stvrene
Concen: 10.823 ppbv
RT: 13.55 min Scan# 3347
Delta R.T. -0.01 min
Lab File: VL034888.D
Acq: 16 Mar 2020 13:23

Instrument :
MSVOA_L
ClientSampleId :
VL0316ABSD01

Tot Ion	Ratio	Lower	Upper
104	100		
78	53.4	41.8	62.6
103	48.2	37.8	56.6

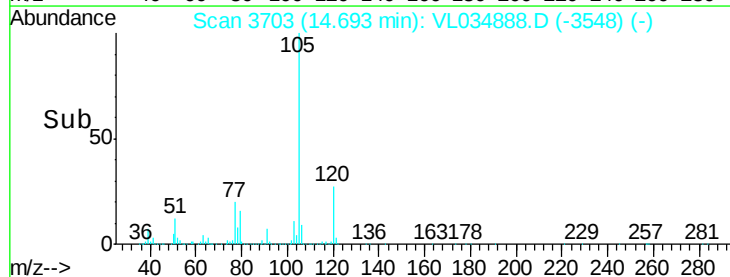
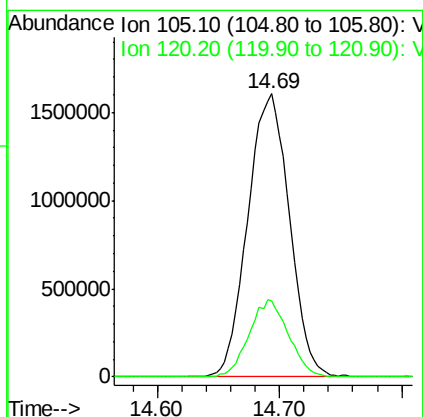
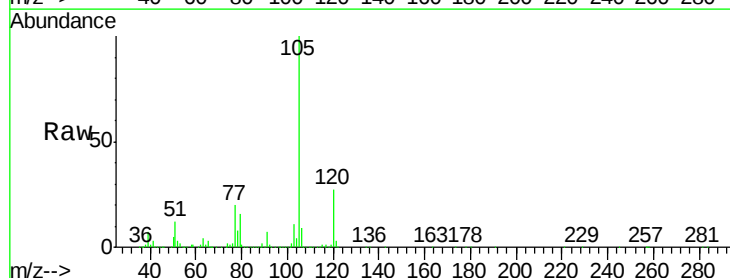
Manual Integrations
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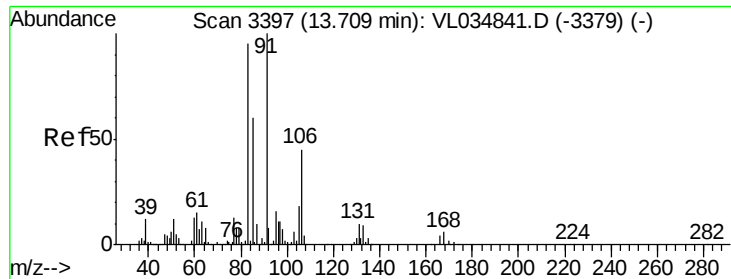
MMDadoda
3/17/2020 12:15:43 PM



#62
Isopropylbenzene
Concen: 10.086 ppbv
RT: 14.69 min Scan# 3703
Delta R.T. -0.00 min
Lab File: VL034888.D
Acq: 16 Mar 2020 13:23

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.7	21.0	31.4





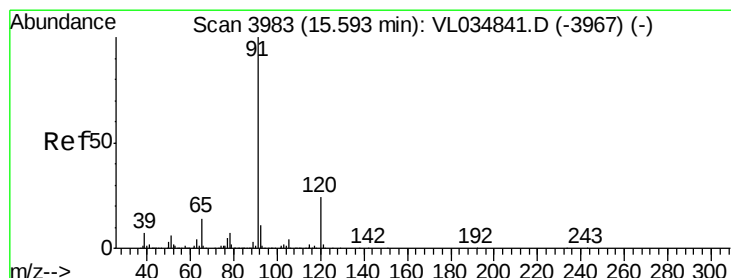
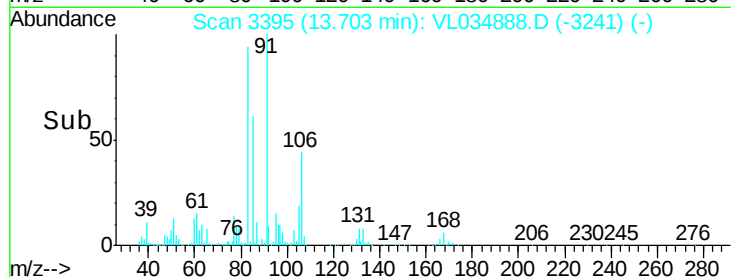
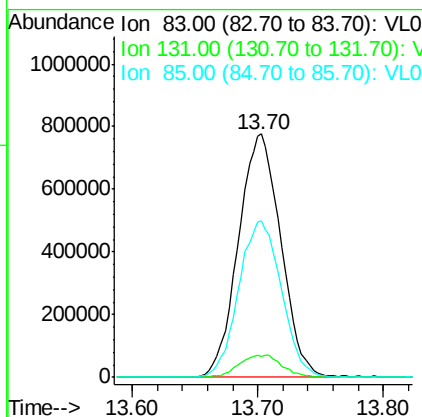
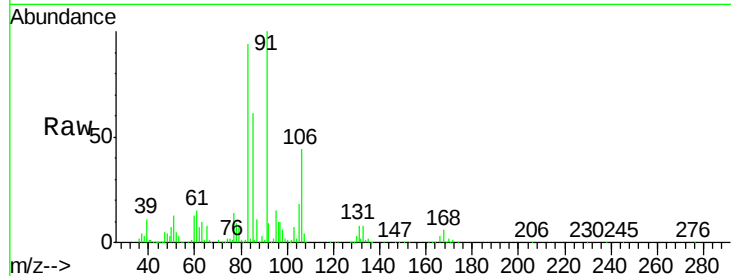
#63
 1,1,2,2-Tetrachloroethane
 Concen: 10.793 ppbv
 RT: 13.70 min Scan# 3395
 Delta R.T. -0.01 min
 Lab File: VL034888.D
 Acq: 16 Mar 2020 13:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0316ABSD01

Tot Ion	83	Resp	1821698
Ion Ratio	Lower	Upper	
83	100		
131	9.3	5.0	14.9
85	65.0	32.4	97.2

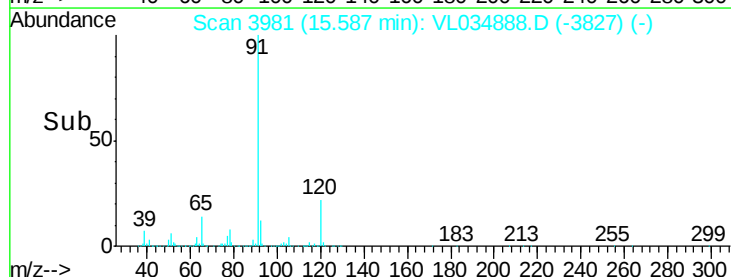
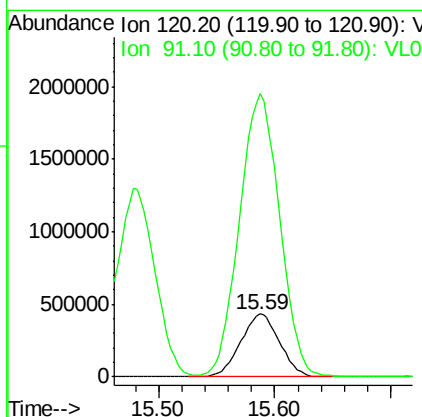
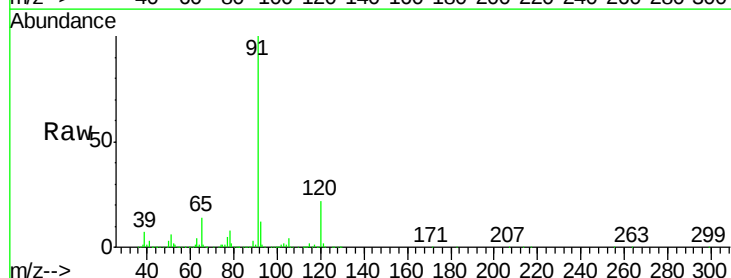
Manual Integrations
 APPROVED

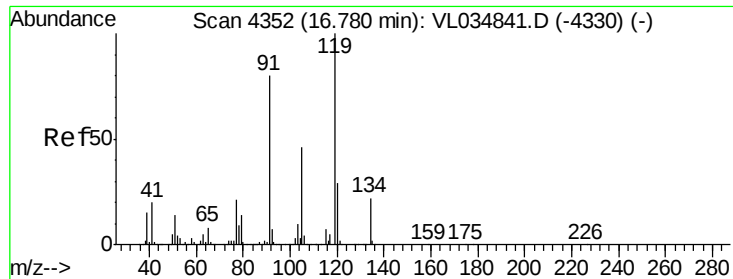
MMDadoda
 3/17/2020 12:15:43 PM



#64
 n-propylbenzene
 Concen: 10.306 ppbv
 RT: 15.59 min Scan# 3981
 Delta R.T. -0.01 min
 Lab File: VL034888.D
 Acq: 16 Mar 2020 13:23

Tgt Ion	120	Resp	1008368
Ion Ratio	Lower	Upper	
120	100		
91	468.4	360.9	541.3





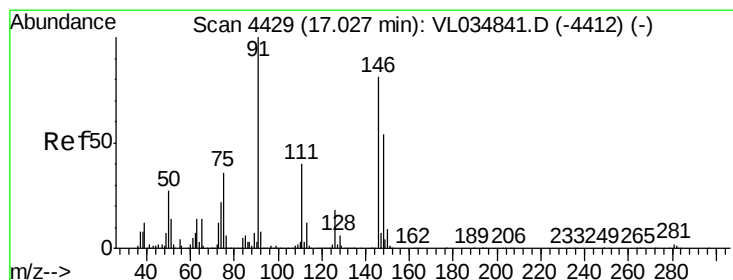
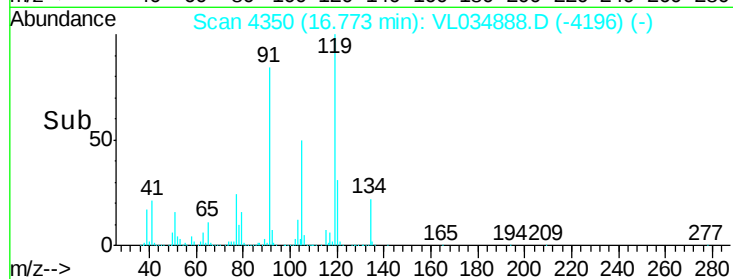
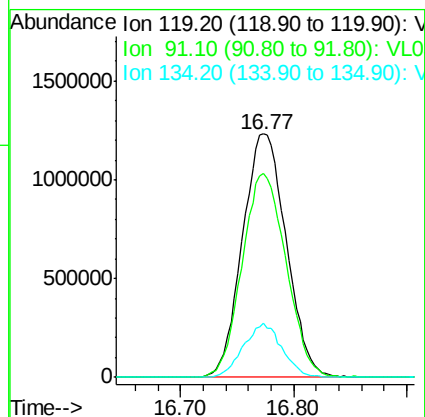
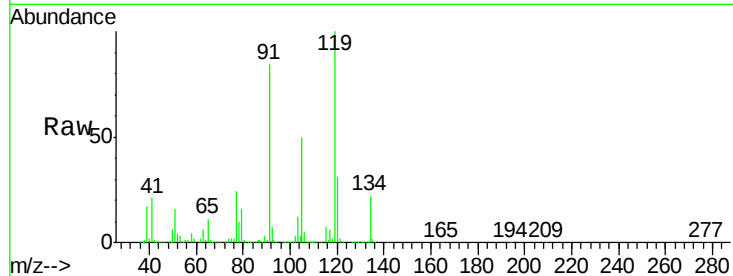
#65
tert-Butylbenzene
Concen: 10.079 ppbv
RT: 16.77 min Scan# 4350
Delta R.T. -0.01 min
Lab File: VL034888.D
Acq: 16 Mar 2020 13:23

Instrument :
MSVOA_L
ClientSampleId :
VL0316ABSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	84.3	64.9	97.3
134	19.6	15.9	23.9

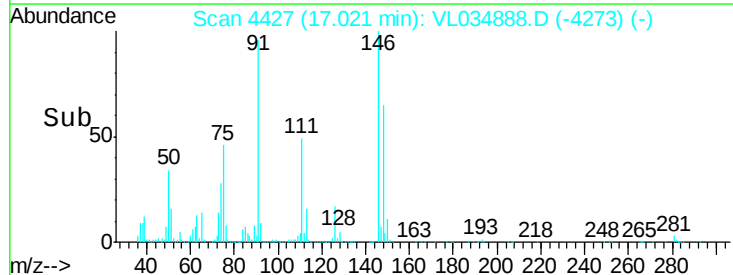
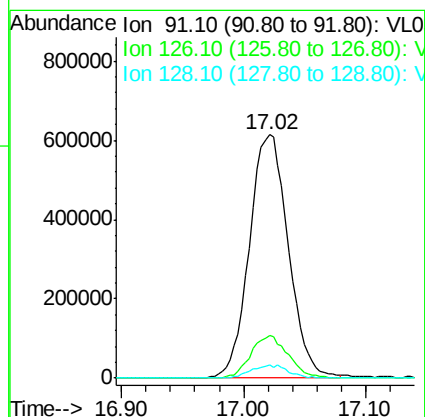
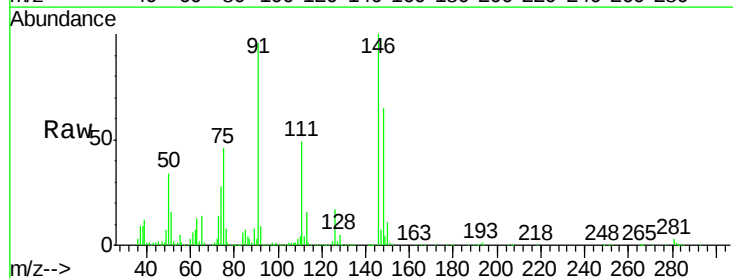
Manual Integrations
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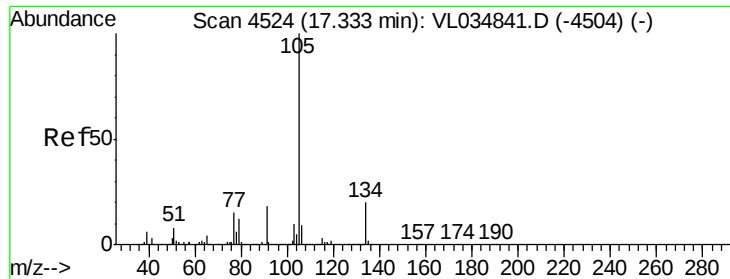
MMDadoda
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#66
Benzyl Chloride
Concen: 9.860 ppbv
RT: 17.02 min Scan# 4427
Delta R.T. -0.01 min
Lab File: VL034888.D
Acq: 16 Mar 2020 13:23

Tgt Ion	Ratio	Lower	Upper
91	100		
126	16.9	14.7	22.1
128	5.3	4.7	7.1





#67

sec-Butylbenzene

Concen: 10.445 ppbv

RT: 17.33 min Scan# 4522

Delta R.T. -0.01 min

Lab File: VL034888.D

Acq: 16 Mar 2020 13:23

Instrument :

MSVOA_L

ClientSampleId :

VL0316ABSD01

Tot Ion:105 Resp: 4759475

Ion Ratio Lower Upper

105 100

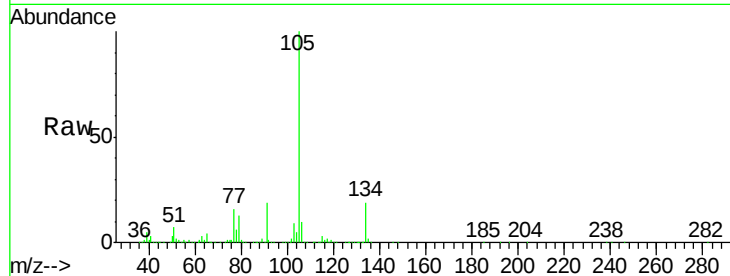
134 18.1 15.0 22.6

Manual Integrations

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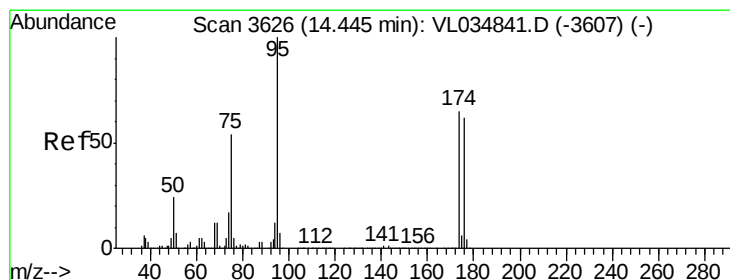
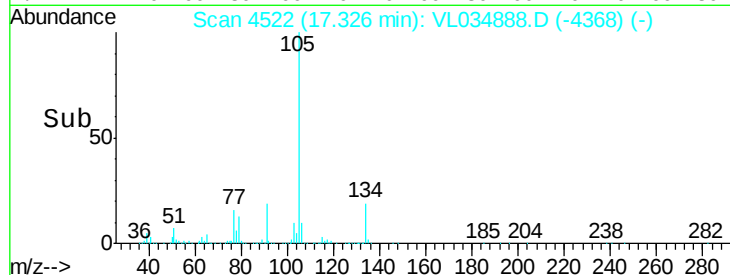
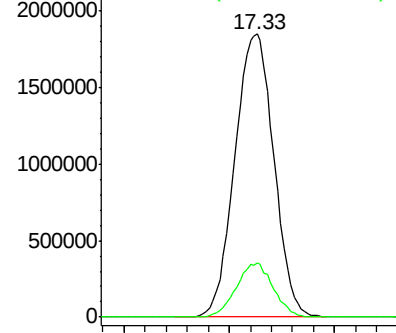
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.127 ppbv

RT: 14.44 min Scan# 3624

Delta R.T. -0.01 min

Lab File: VL034888.D

Acq: 16 Mar 2020 13:23

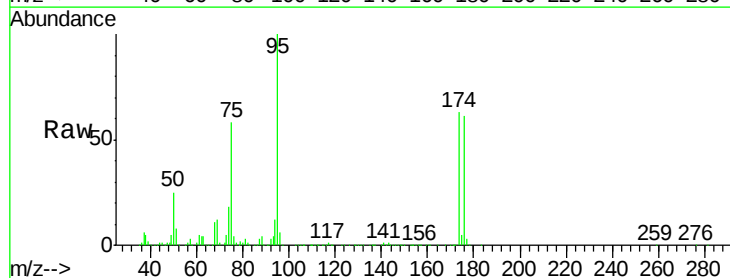
Tgt Ion: 95 Resp: 1772589

Ion Ratio Lower Upper

95 100

174 65.8 55.2 82.8

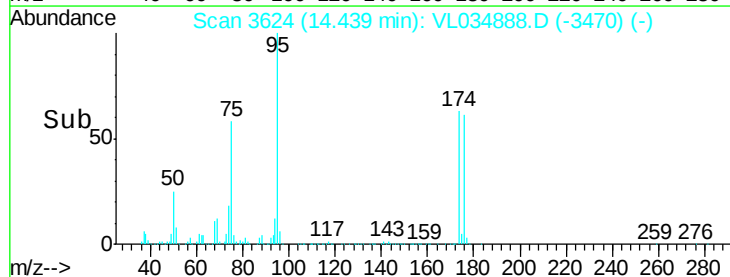
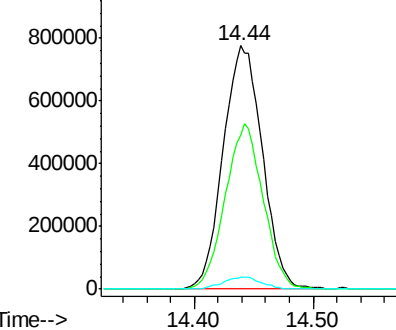
175 4.9 4.3 6.5

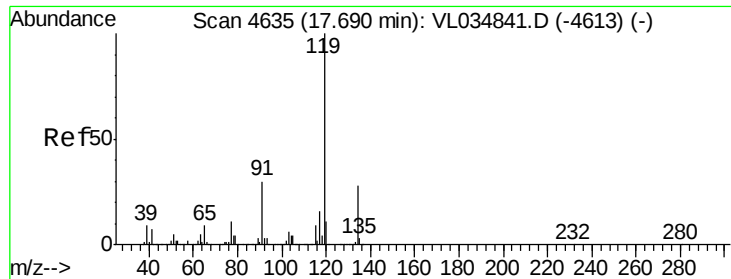


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





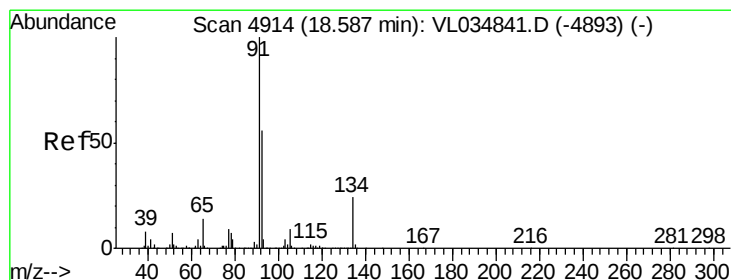
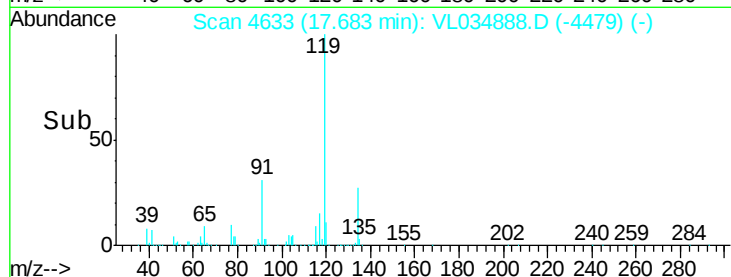
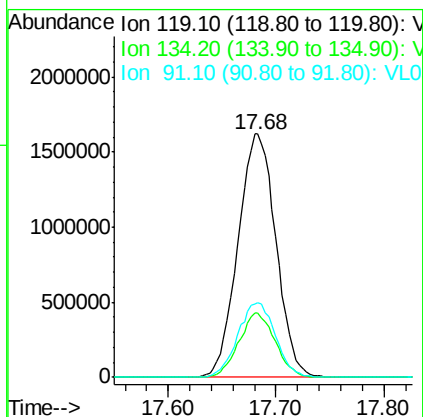
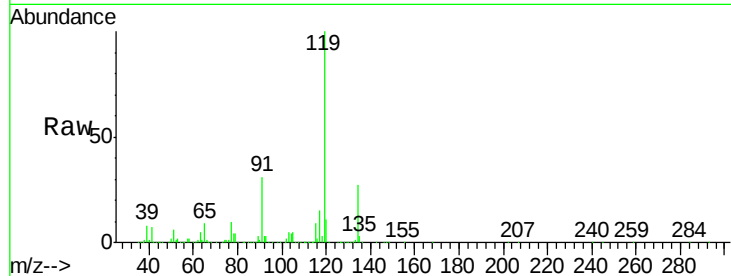
#69
 p-Isopropyltoluene
 Concen: 10.368 ppbv
 RT: 17.68 min Scan# 4633
 Delta R.T. -0.01 min
 Lab File: VL034888.D
 Acq: 16 Mar 2020 13:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0316ABSD01

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.3	20.6	30.8
91	30.6	23.4	35.2

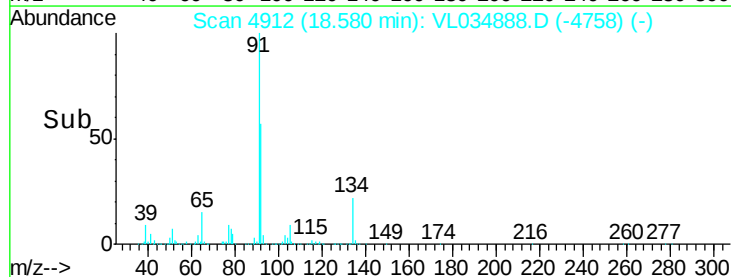
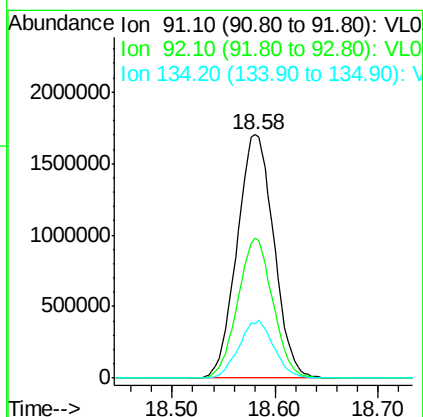
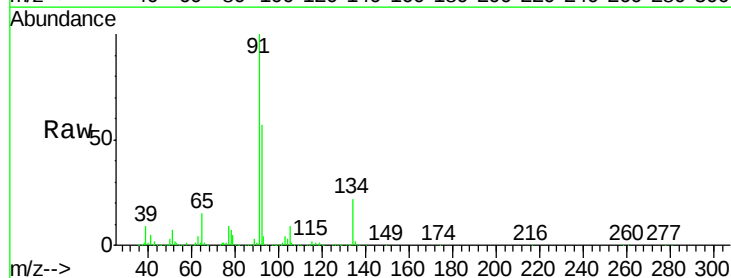
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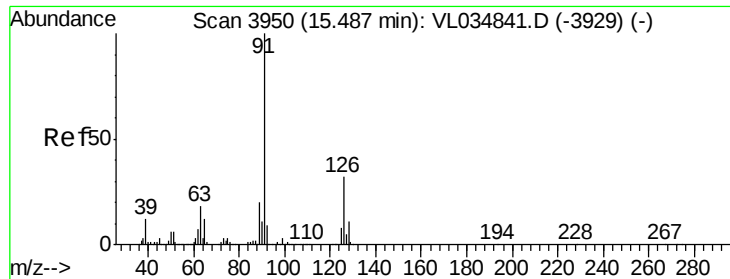
MMDadoda
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#70
 n-Butylbenzene
 Concen: 10.804 ppbv
 RT: 18.58 min Scan# 4912
 Delta R.T. -0.01 min
 Lab File: VL034888.D
 Acq: 16 Mar 2020 13:23

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.9	43.8	65.6
134	22.4	19.0	28.4





#71

2-Chlorotoluene

Concen: 10.564 ppbv

RT: 15.48 min Scan# 3947

Delta R.T. -0.01 min

Lab File: VL034888.D

Acq: 16 Mar 2020 13:23

Instrument :

MSVOA_L

ClientSampleId :

VL0316ABSD01

Tot Ion: 91 Resp: 3007530

Ion Ratio Lower Upper

91 100

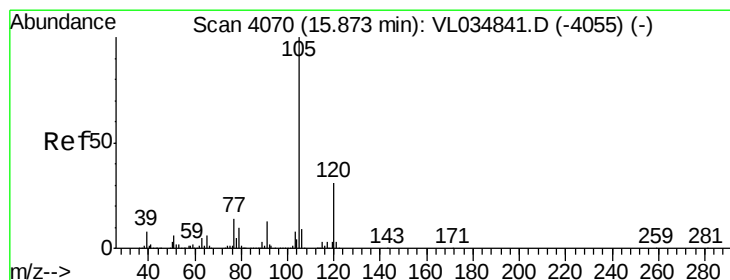
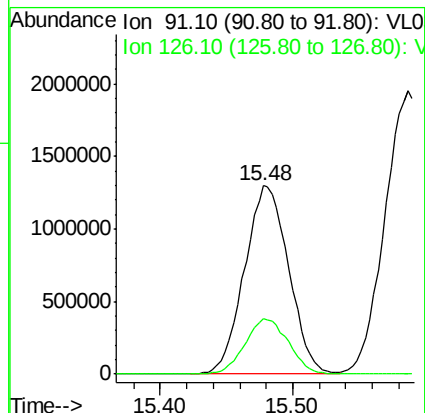
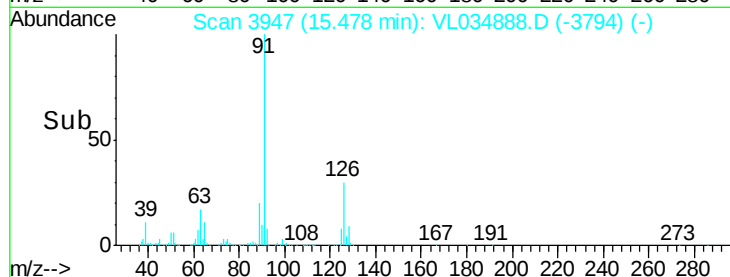
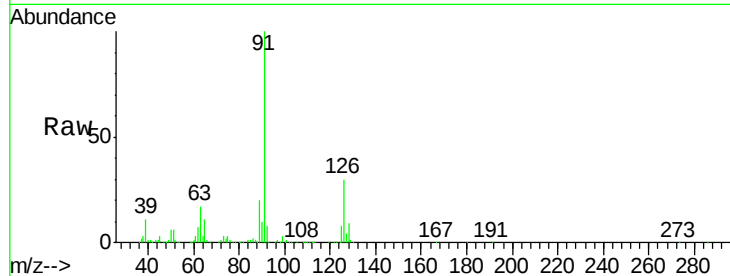
126 29.1 12.3 49.1

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3/17/2020 12:15:43 PM



#72

4-Ethyltoluene

Concen: 10.535 ppbv

RT: 15.87 min Scan# 4068

Delta R.T. -0.01 min

Lab File: VL034888.D

Acq: 16 Mar 2020 13:23

Tgt Ion:105 Resp: 3093193

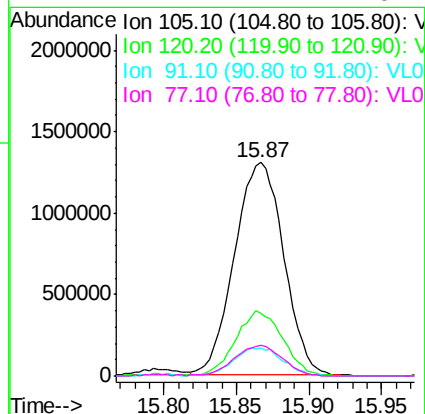
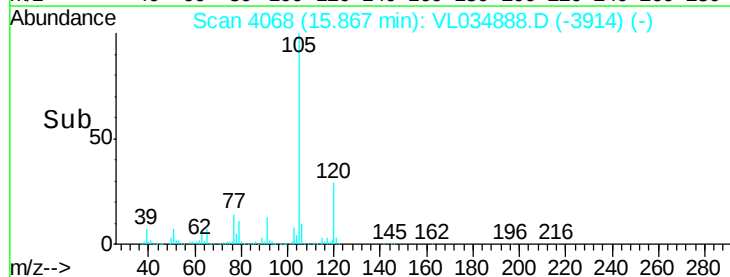
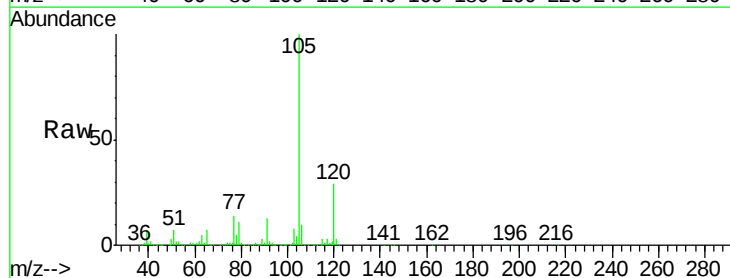
Ion Ratio Lower Upper

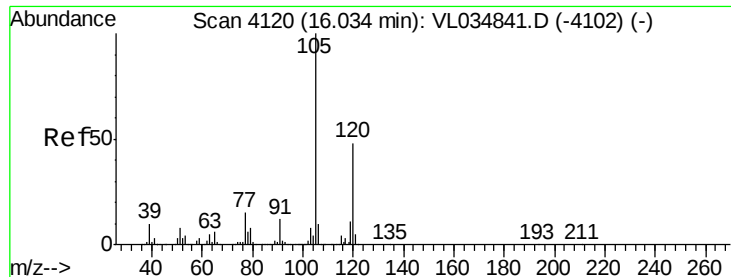
105 100

120 30.3 23.7 35.5

91 13.6 10.5 15.7

77 14.2 11.1 16.7





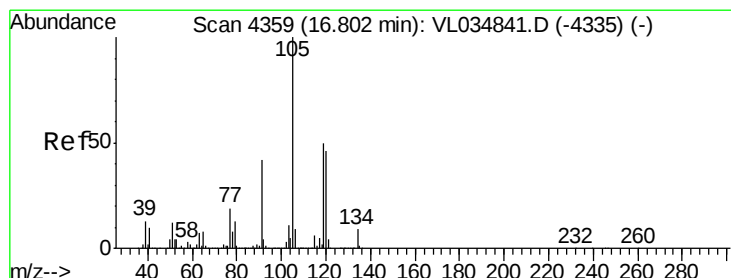
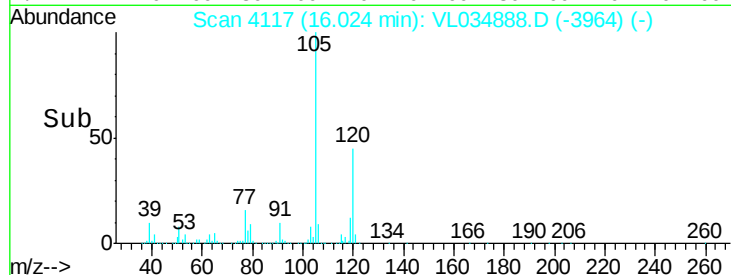
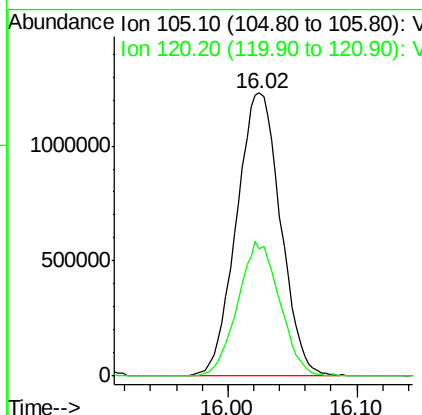
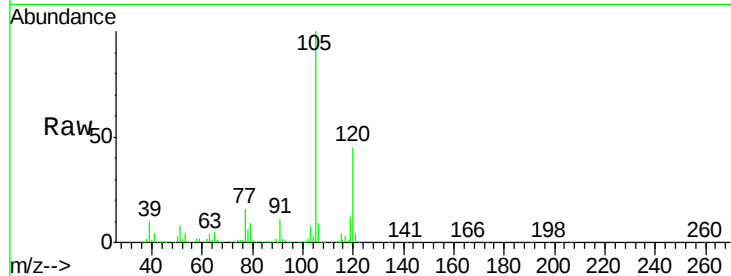
#73
 1,3,5-Trimethylbenzene
 Concen: 10.579 ppbv
 RT: 16.02 min Scan# 4117
 Delta R.T. -0.01 min
 Lab File: VL034888.D
 Acq: 16 Mar 2020 13:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0316ABSD01

Tot Ion:105 Resp: 2907766
 Ion Ratio Lower Upper
 105 100
 120 44.9 38.6 58.0

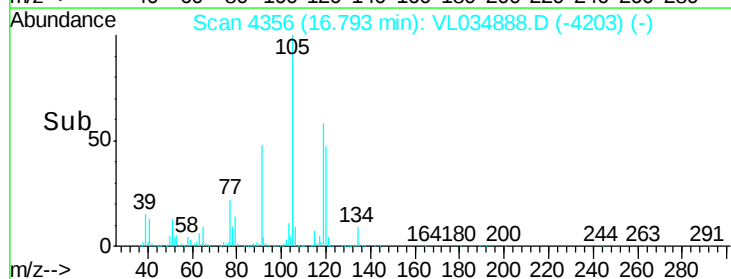
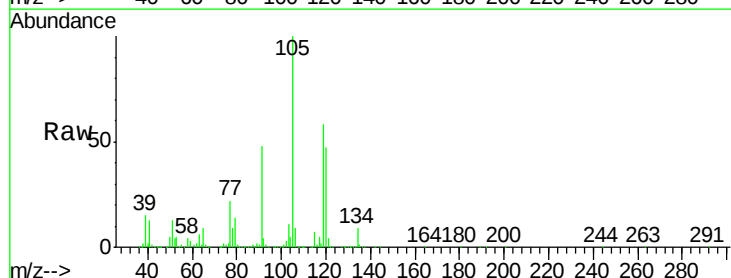
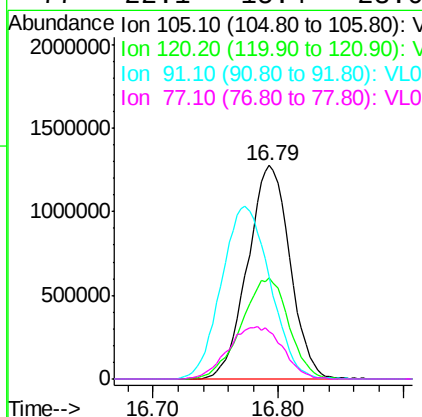
Manual Integrations
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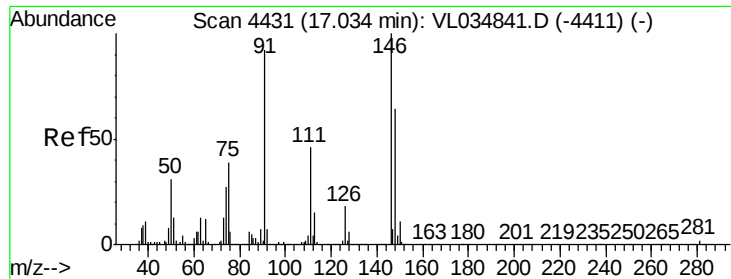
MMDadoda
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#74
 1,2,4-Trimethylbenzene
 Concen: 10.553 ppbv
 RT: 16.79 min Scan# 4356
 Delta R.T. -0.01 min
 Lab File: VL034888.D
 Acq: 16 Mar 2020 13:23

Tgt Ion:105 Resp: 2988208
 Ion Ratio Lower Upper
 105 100
 120 46.9 37.0 55.4
 91 47.9 33.8 50.6
 77 22.1 15.4 23.0





#75

1,3-Dichlorobenzene

Concen: 10.121 ppbv

RT: 17.03 min Scan# 4429

Delta R.T. -0.01 min

Lab File: VL034888.D

Acq: 16 Mar 2020 13:23

Instrument :

MSVOA_L

ClientSampleId :

VL0316ABSD01

Tot Ion:146 Resp: 1728083

Ion Ratio Lower Upper

146 100

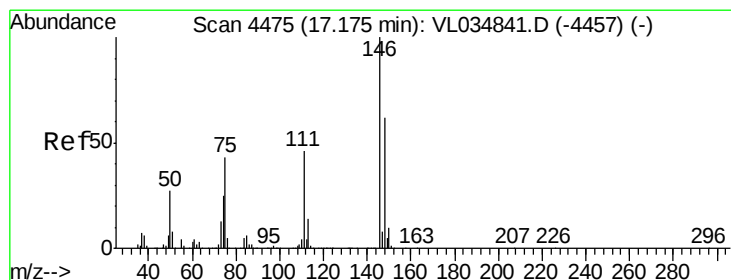
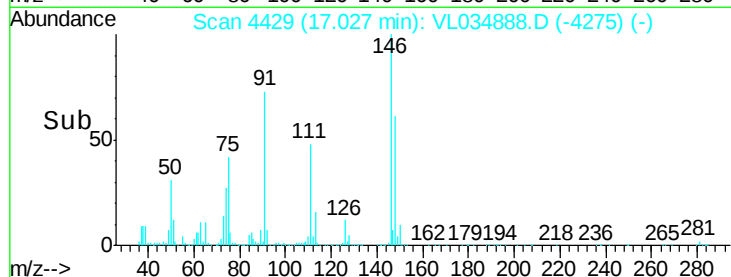
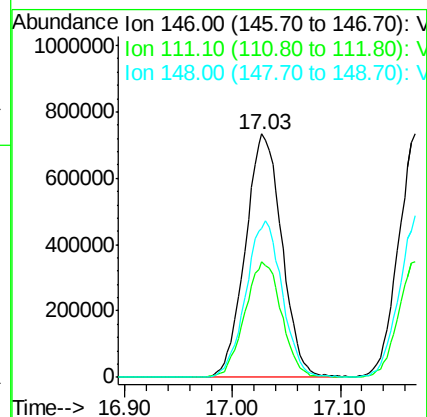
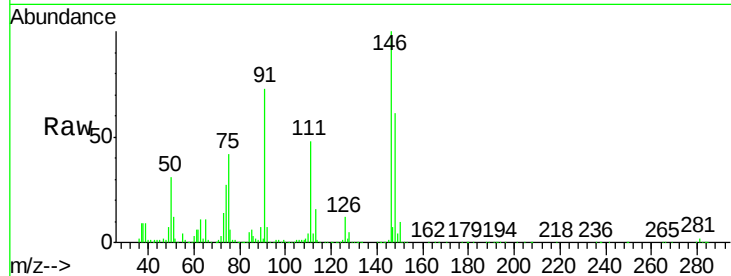
111 47.8 23.9 71.7

148 63.8 32.5 97.5

Manual Integrations
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#76

1,4-Dichlorobenzene

Concen: 10.065 ppbv

RT: 17.17 min Scan# 4473

Delta R.T. -0.01 min

Lab File: VL034888.D

Acq: 16 Mar 2020 13:23

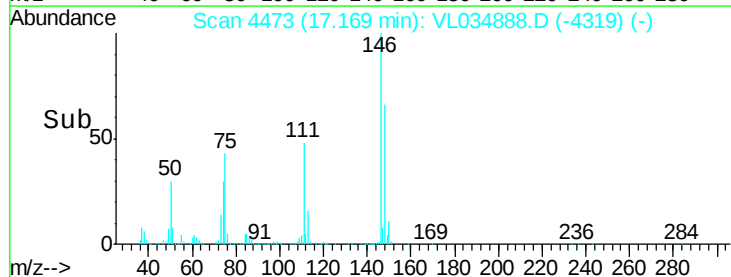
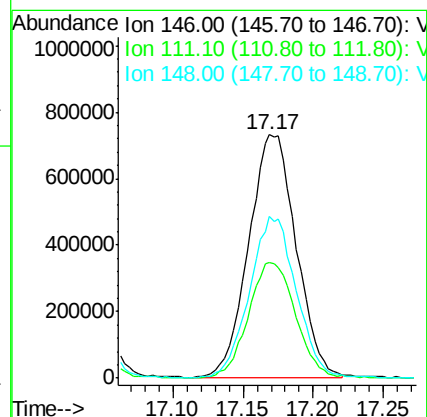
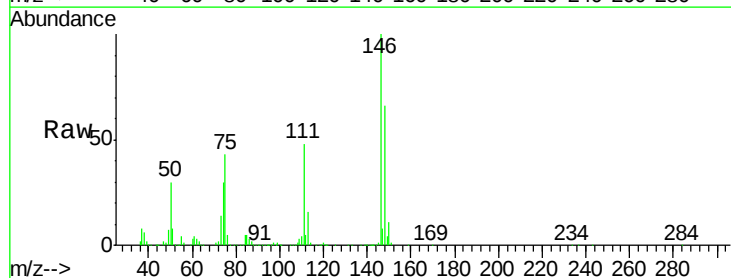
Tgt Ion:146 Resp: 1714946

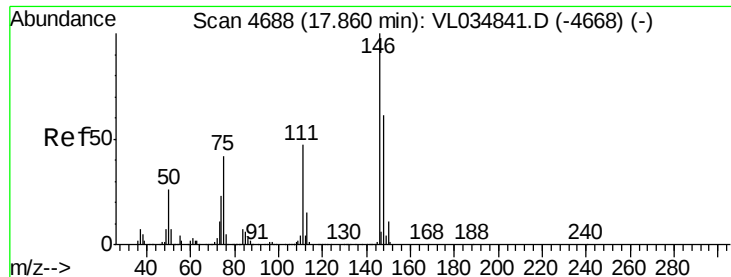
Ion Ratio Lower Upper

146 100

111 47.9 23.4 70.2

148 66.0 32.3 96.9





#77

1,2-Dichlorobenzene

Concen: 10.172 ppbv

RT: 17.85 min Scan# 4686

Delta R.T. -0.01 min

Lab File: VL034888.D

Acq: 16 Mar 2020 13:23

Instrument :

MSVOA_L

ClientSampleId :

VL0316ABSD01

Tot Ion:146 Resp: 1683519

Ion Ratio Lower Upper

146 100

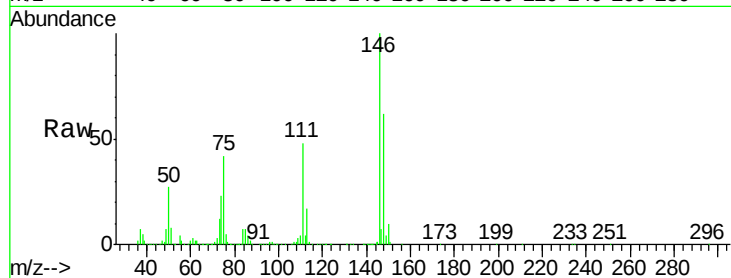
111 49.4 23.8 71.4

148 63.5 31.6 94.8

Manual Integrations
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MMDadoda

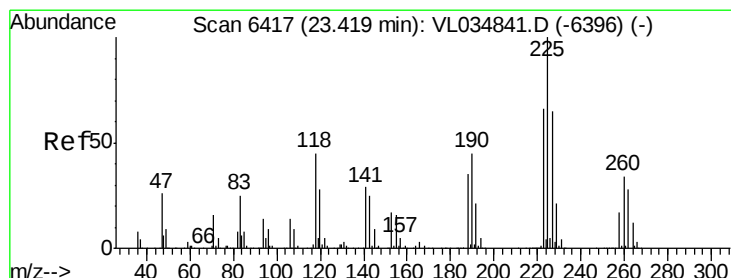
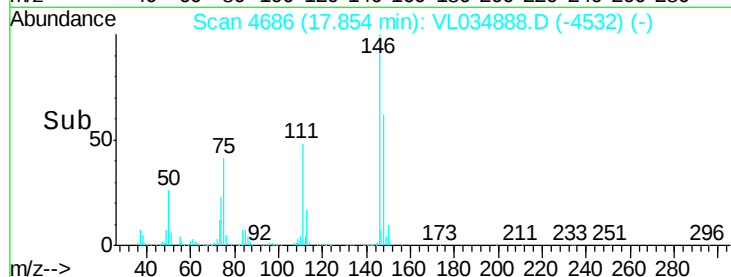
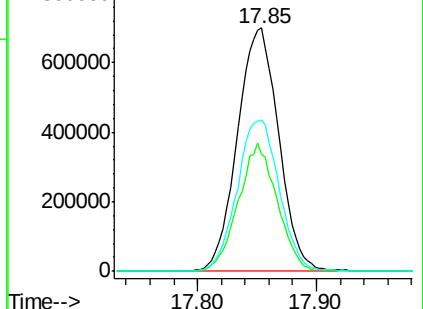
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Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 10.411 ppbv

RT: 23.41 min Scan# 6415

Delta R.T. -0.01 min

Lab File: VL034888.D

Acq: 16 Mar 2020 13:23

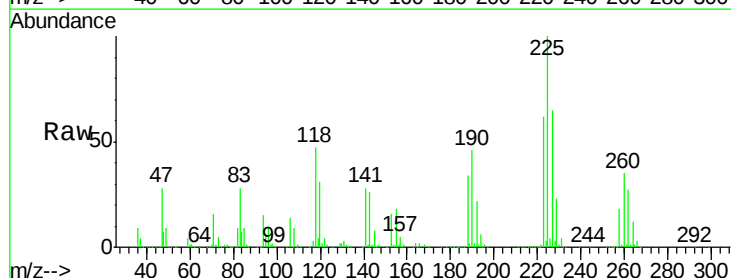
Tgt Ion:225 Resp: 1439213

Ion Ratio Lower Upper

225 100

223 63.1 51.1 76.7

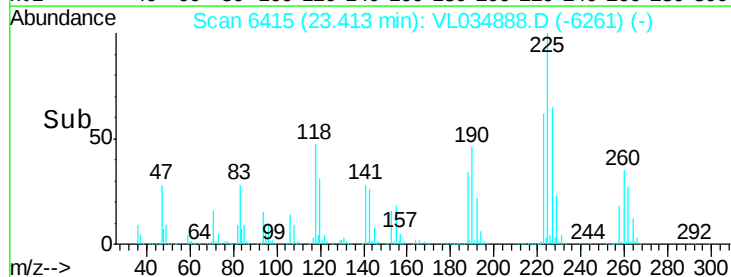
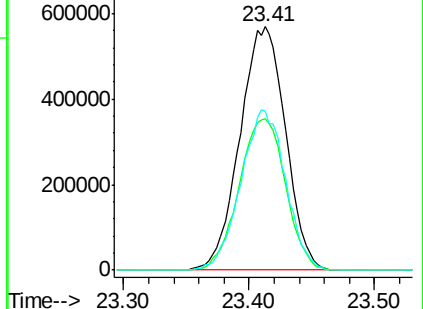
227 64.5 51.8 77.6

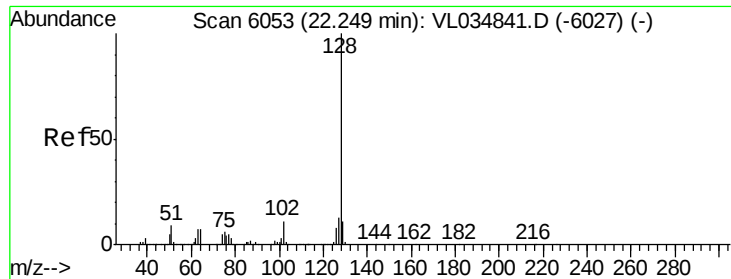


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





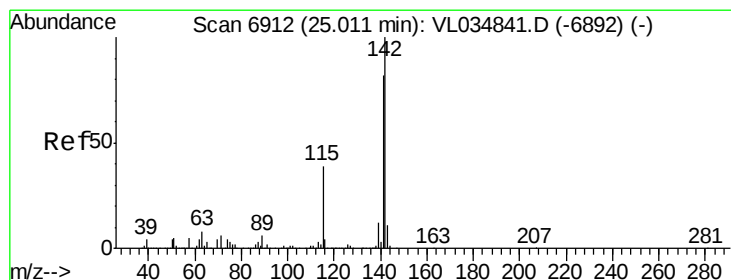
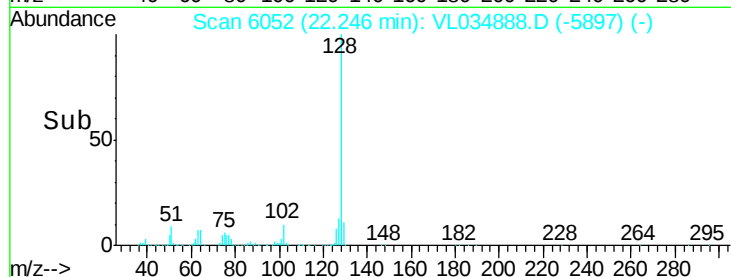
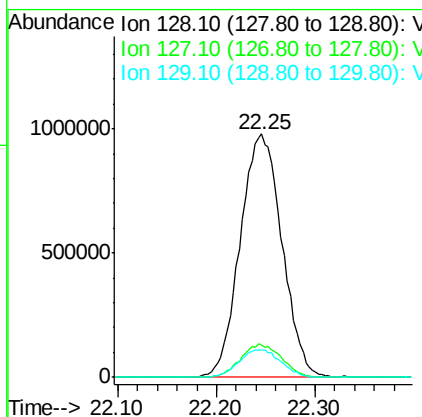
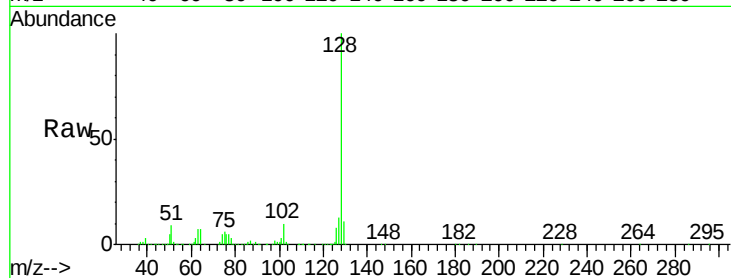
#79
Naphthalene
Concen: 12.936 ppbv
RT: 22.25 min Scan# 6052
Delta R.T. -0.00 min
Lab File: VL034888.D
Acq: 16 Mar 2020 13:23

Instrument :
MSVOA_L
ClientSampleId :
VL0316ABSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.2	15.2
129	11.3	8.6	13.0

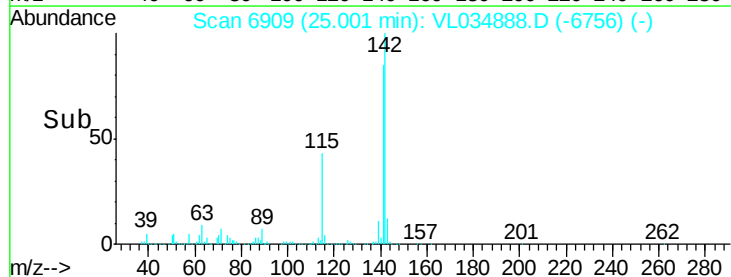
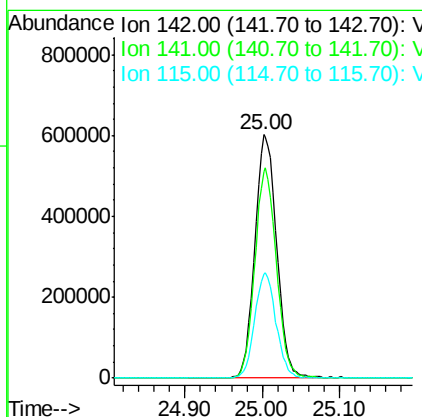
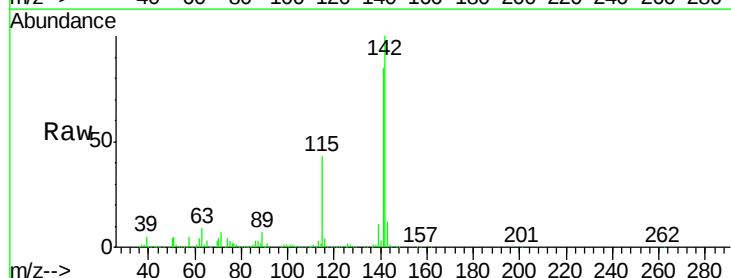
Manual Integrations
APPROVED

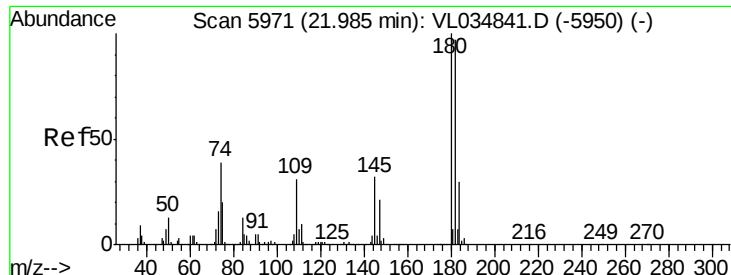
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#80
Naphthalene, 2-methyl-
Concen: 20.851 ppbv
RT: 25.00 min Scan# 6909
Delta R.T. -0.01 min
Lab File: VL034888.D
Acq: 16 Mar 2020 13:23

Tgt Ion	Ratio	Lower	Upper
142	100		
141	85.4	68.9	103.3
115	42.4	33.2	49.8





#81
 1,2,4-Trichlorobenzene
 Concen: 11.624 ppbv
 RT: 21.97 min Scan# 5966
 Delta R.T. -0.02 min
 Lab File: VL034888.D
 Acq: 16 Mar 2020 13:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0316ABSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.6	76.6	115.0
184	31.3	25.0	37.4

Manual Integrations
 APPROVED

MMDadoda
 3/17/2020 12:15:43 PM

