

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030920\
 Data File : VL034848.D
 Acq On : 9 Mar 2020 20:25
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 ICVVL030920

Manual Integrations
 APPROVED

MMDadoda
 3/11/2020 3:26:11 PM

Quant Time: Mar 11 04:45:20 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	5.66	49	950003	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2169867	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2243913m	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.45	95	1710209	9.77	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.01	85	986428	7.583	ppbv	98
3) Chlorodifluoromethane	2.95	51	981658	9.250	ppbv	100
4) Chloromethane	3.10	50	580829	9.684	ppbv	98
5) Vinyl Chloride	3.22	62	542652	9.411	ppbv	96
6) Bromomethane	3.44	94	317559	9.461	ppbv	92
7) Chloroethane	3.52	64	200473	9.628	ppbv	92
8) Dichlorotetrafluoroethane	3.15	85	1170916	8.667	ppbv	98
9) Propene	2.97	41	471893	9.314	ppbv	100
10) Heptane	8.13	43	1201047	9.632	ppbv	99
11) Trichlorofluoromethane	3.92	101	1227011	8.866	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.46	101	872055	9.003	ppbv	99
13) Ethanol	3.57	45	148912	9.667	ppbv	92
14) Bromoethene	3.71	108	401290	9.593	ppbv	100
15) Acetone	3.82	43	1113795	9.046	ppbv	99
16) 1,3-Butadiene	3.29	39	517842	9.300	ppbv	99
17) tert-Butyl alcohol	4.27	59	1237935	10.436	ppbv	99
18) 1,1-Dichloroethene	4.26	96	396143	9.235	ppbv	93
19) Isopropyl Alcohol	3.94	45	829164	10.664	ppbv	# 39
20) Methylene Chloride	4.31	84	348606	8.955	ppbv	96
21) Allyl Chloride	4.38	41	761746	9.633	ppbv	98
22) trans-1,2-Dichloroethene	4.86	96	408392	9.384	ppbv	96
23) Vinyl Acetate	5.05	43	1797953	9.885	ppbv	98
24) 1,1-Dichloroethane	4.99	63	1097393	9.000	ppbv	99
25) Ethyl Acetate	5.66	43	2000280	9.118	ppbv	100
26) Hexane	5.67	57	873832	9.251	ppbv	99
27) Carbon Disulfide	4.53	76	1054733	9.840	ppbv	99
28) Methyl tert-Butyl Ether	5.01	73	1479230	9.412	ppbv	98
29) Chloroform	5.74	83	1286570	8.927	ppbv	100
30) Cyclohexane	7.13	84	748361	9.495	ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	897033	9.286	ppbv	95
32) 1,1,1-Trichloroethane	6.51	97	1296542	9.232	ppbv	99
34) 2-Butanone	5.23	43	1364247	9.461	ppbv	99
35) Carbon Tetrachloride	7.02	117	1341450	9.940	ppbv	98
36) Benzene	6.89	78	1781060	9.209	ppbv	98
37) 1,2-Dichloroethane	6.30	62	1005490	9.220	ppbv	100
38) Trichloroethene	7.84	130	680163	9.260	ppbv	99
39) 1,2-Dichloropropane	7.62	63	704489	9.193	ppbv	95
40) 1,4-Dioxane	7.83	88	275265	9.512	ppbv	# 100
41) Tetrahydrofuran	6.04	42	782552	10.029	ppbv	98
42) Bromodichloromethane	7.80	83	1395566	9.389	ppbv	98
43) Methyl Methacrylate	8.02	69	788786	9.680	ppbv	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030920\
 Data File : VL034848.D
 Acq On : 9 Mar 2020 20:25
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL030920

Manual Integrations
 APPROVED

MMDadoda
 3/11/2020 3:26:11 PM

Quant Time: Mar 11 04:45:20 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)
44) 2,2,4-Trimethylpentane	7.87	57	3038124	9.296	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	997577	10.421	ppbv	99
46) cis-1,3-Dichloropropene	8.71	75	1140955	10.030	ppbv	98
47) 1,1,2-Trichloroethane	9.49	97	709613	9.023	ppbv	96
48) Dibromochloromethane	10.32	129	1212225	9.518	ppbv	100
49) Bromoform	13.07	173	1066301	9.390	ppbv	100
50) 4-Methyl-2-Pentanone	8.75	43	1966089	9.472	ppbv	99
51) 2-Hexanone	10.15	43	1619783	9.602	ppbv	99
52) Tetrachloroethene	11.24	164	658018	8.600	ppbv	99
53) Toluene	9.82	91	2062248	9.233	ppbv	100
54) 1,2-Dibromoethane	10.63	107	1099640	9.289	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.15	131	900549	8.934	ppbv #	57
57) Chlorobenzene	12.17	112	1519418	8.654	ppbv	97
58) Ethyl Benzene	12.73	91	2707770	8.911	ppbv	99
59) m/p-Xylene	13.02	91	4419773m	17.361	ppbv	
60) o-Xylene	13.72	91	2114815	8.508	ppbv	100
61) Styrene	13.55	104	1630611	9.348	ppbv	99
62) Isopropylbenzene	14.70	105	3204523	8.526	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.71	83	1448081	8.581	ppbv	99
64) n-propylbenzene	15.59	120	843903	8.627	ppbv	98
65) tert-Butylbenzene	16.78	119	2777268	8.453	ppbv	100
66) Benzyl Chloride	17.02	91	1487483	10.857	ppbv	99
67) sec-Butylbenzene	17.33	105	3947554	8.665	ppbv	99
69) p-Isopropyltoluene	17.69	119	3354504	8.781	ppbv	100
70) n-Butylbenzene	18.59	91	3432647	8.807	ppbv	100
71) 2-Chlorotoluene	15.48	91	2434007	8.551	ppbv	100
72) 4-Ethyltoluene	15.87	105	2588103	8.816	ppbv	99
73) 1,3,5-Trimethylbenzene	16.03	105	2426871	8.831	ppbv	98
74) 1,2,4-Trimethylbenzene	16.80	105	2484396	8.775	ppbv	95
75) 1,3-Dichlorobenzene	17.03	146	1475280	8.642	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	1489612	8.744	ppbv	99
77) 1,2-Dichlorobenzene	17.86	146	1457652	8.809	ppbv	98
78) Hexachloro-1,3-Butadiene	23.41	225	1315536m	9.518	ppbv	
79) Naphthalene	22.25	128	2694155m	12.202	ppbv	
80) Naphthalene, 2-methyl-	25.01	142	610238	10.576	ppbv	96
81) 1,2,4-Trichlorobenzene	21.98	180	1553142	11.072	ppbv	100

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

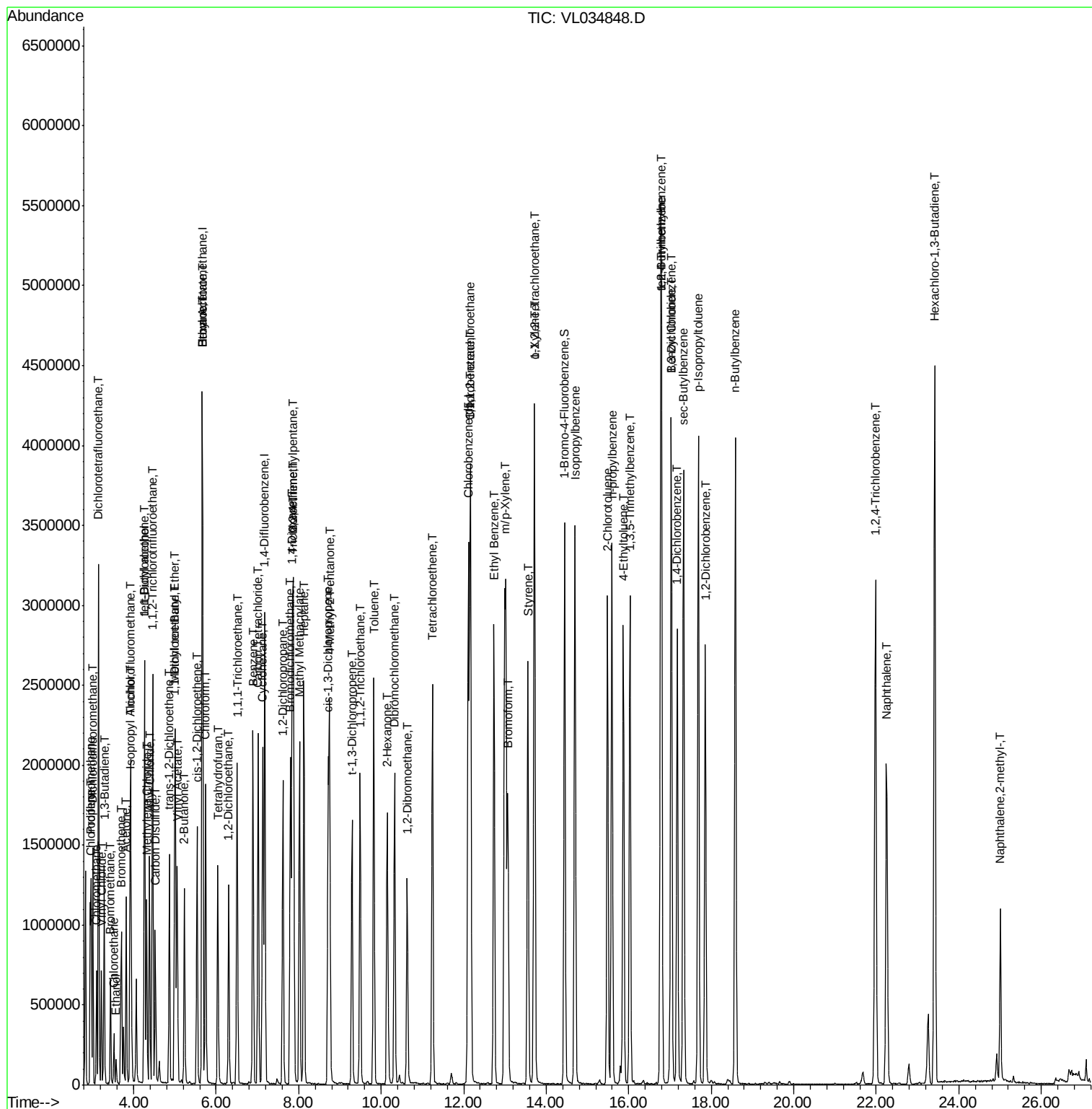
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030920\
Data File : VL034848.D
Acq On : 9 Mar 2020 20:25
Operator : SY/AP
Sample : VSTDICV010
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

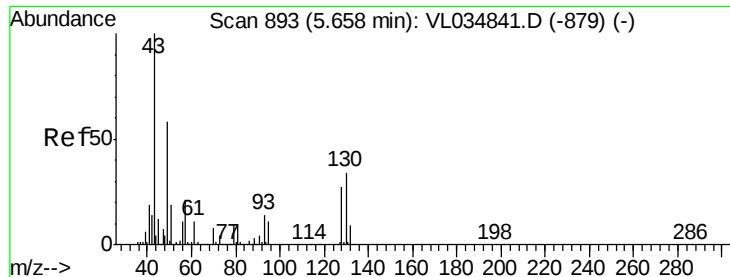
Instrument :
MSVOA_L
ClientSampleId :
ICVVL030920

Manual Integrations
APPROVED

MMDadoda
3/11/2020 3:26:11 PM

Quant Time: Mar 11 04:45:20 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar
QLast Update : Mon Mar 09 16:42:53 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. 0.00 min

Lab File: VL034848.D

Acq: 9 Mar 2020 20:25

Instrument :

MSVOA_L

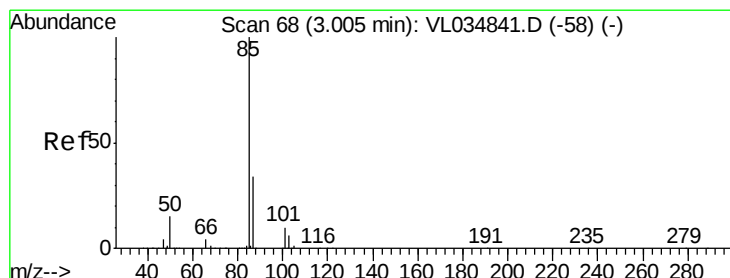
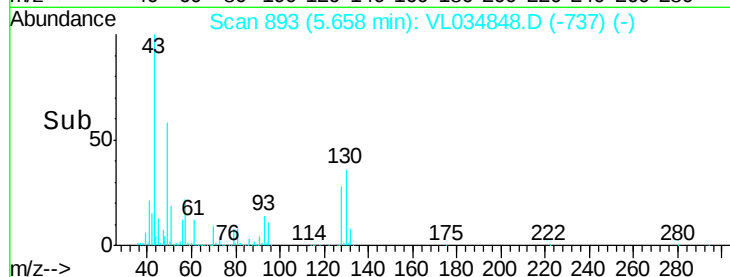
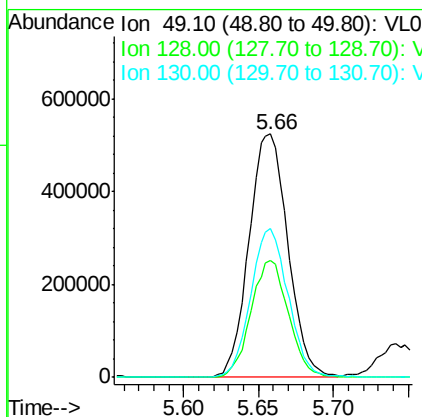
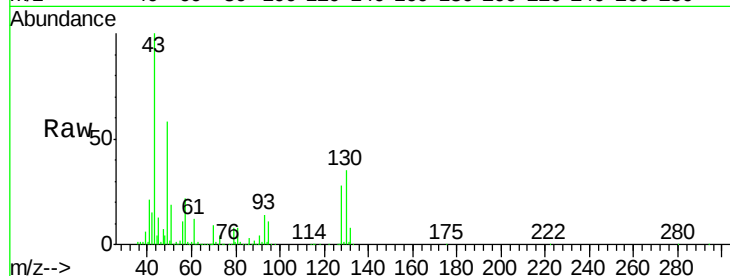
ClientSampleId :

ICVVL030920

Tot Ion:	49	Resp:	950003
Ion	Ratio	Lower	Upper
49	100		
128	46.4	23.4	70.3
130	58.8	30.0	90.0

Manual Integrations
APPROVED

MMDadoda
3/11/2020 3:26:11 PM



#2

Dichlorodifluoromethane

Concen: 7.583 ppbv

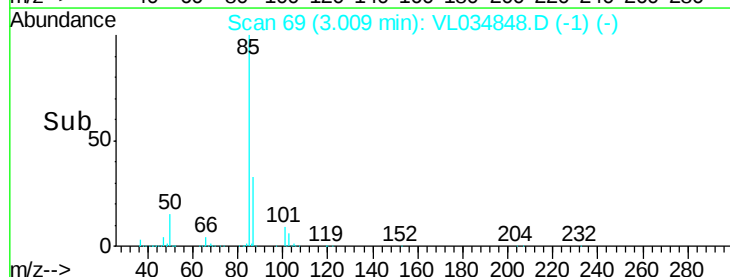
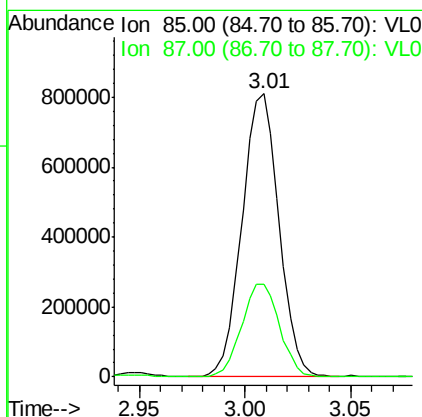
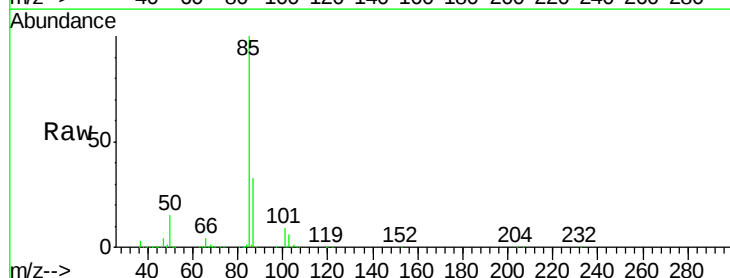
RT: 3.01 min Scan# 69

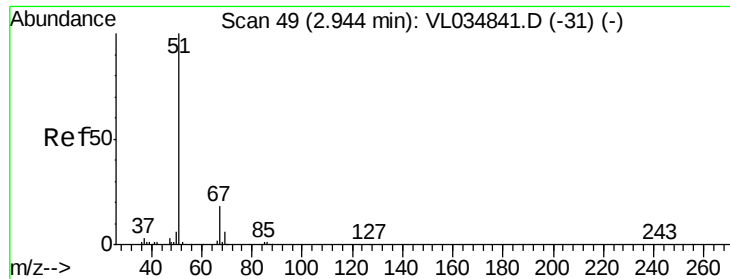
Delta R.T. 0.00 min

Lab File: VL034848.D

Acq: 9 Mar 2020 20:25

Tgt Ion:	85	Resp:	986428
Ion	Ratio	Lower	Upper
85	100		
87	32.6	26.9	40.3





#3

Chlorodifluoromethane

Concen: 9.250 ppbv

RT: 2.95 min Scan# 50

Delta R.T. 0.00 min

Lab File: VL034848.D

Acq: 9 Mar 2020 20:25

Tot Ion: 51 Resp: 981658

Ion Ratio Lower Upper

51 100

67 17.8 14.3 21.5

Instrument :

MSVOA_L

ClientSampleId :

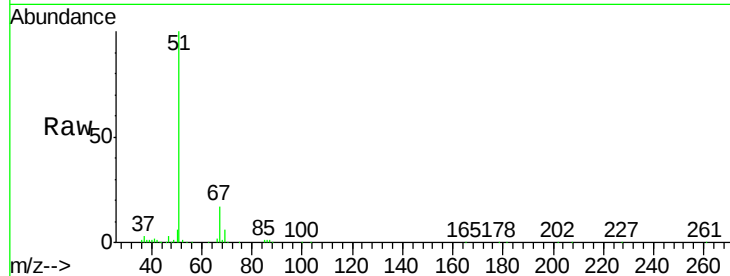
ICVVL030920

Manual Integrations

APPROVED

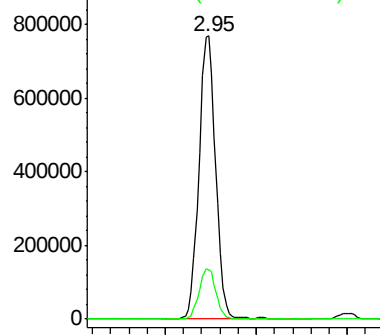
MMDadoda

3/11/2020 3:26:11 PM

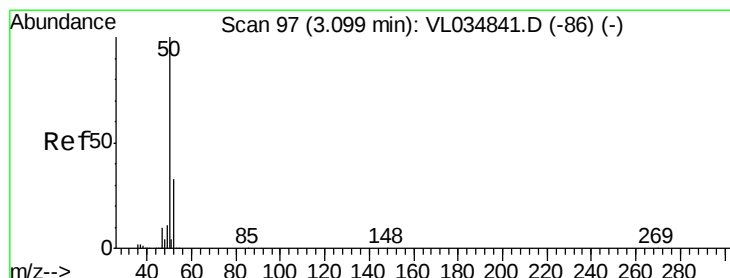
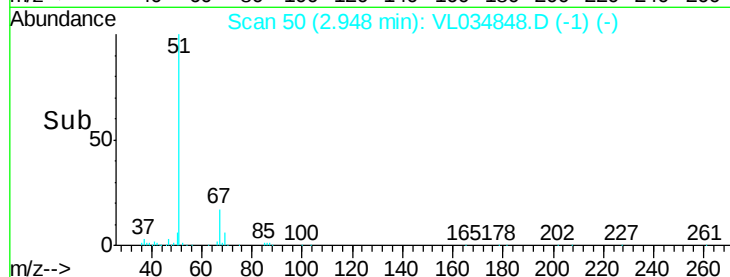


Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



Time-->



#4

Chloromethane

Concen: 9.684 ppbv

RT: 3.10 min Scan# 97

Delta R.T. 0.00 min

Lab File: VL034848.D

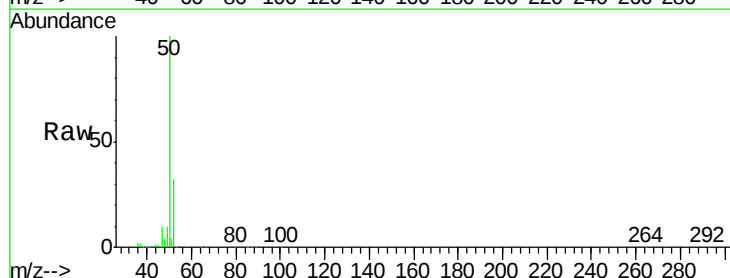
Acq: 9 Mar 2020 20:25

Tgt Ion: 50 Resp: 580829

Ion Ratio Lower Upper

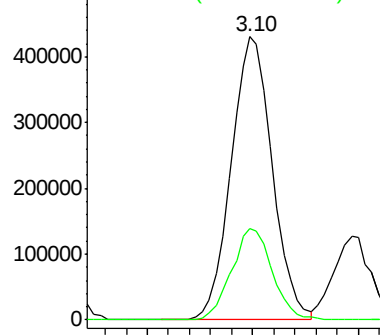
50 100

52 32.1 26.8 40.2

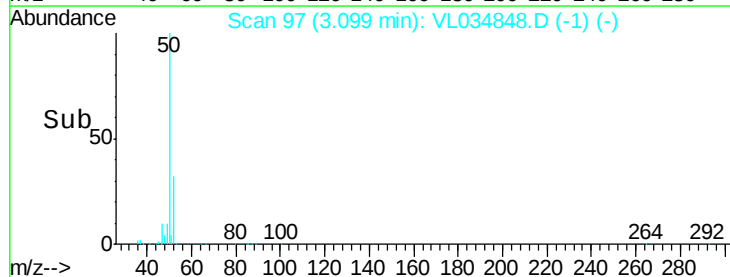


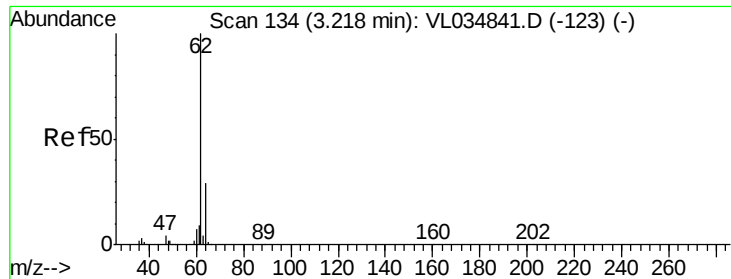
Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0



Time-->





#5

Vinyl Chloride

Concen: 9.411 ppbv

RT: 3.22 min Scan# 134

Delta R.T. 0.00 min

Lab File: VL034848.D

Acq: 9 Mar 2020 20:25

Instrument :

MSVOA_L

ClientSampleId :

ICVVL030920

Tot Ion: 62 Resp: 542652

Ion Ratio Lower Upper

62 100

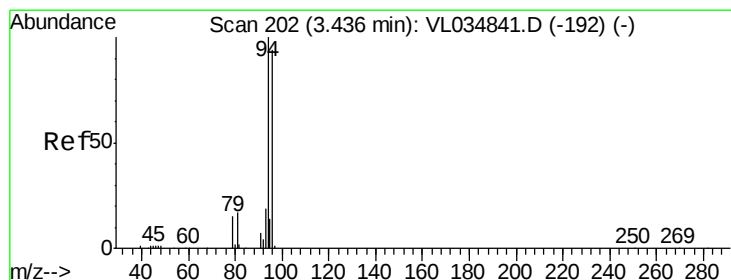
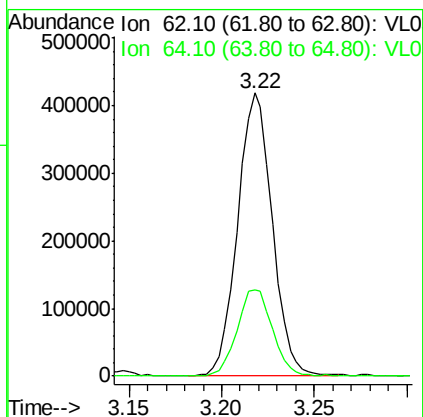
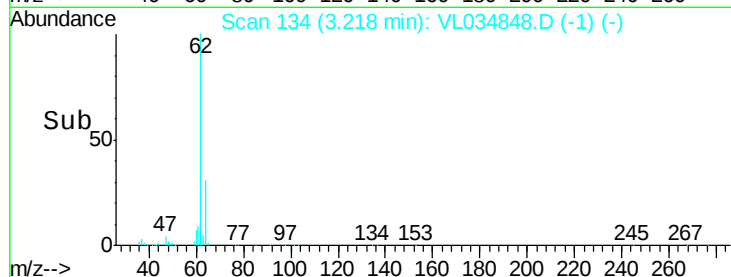
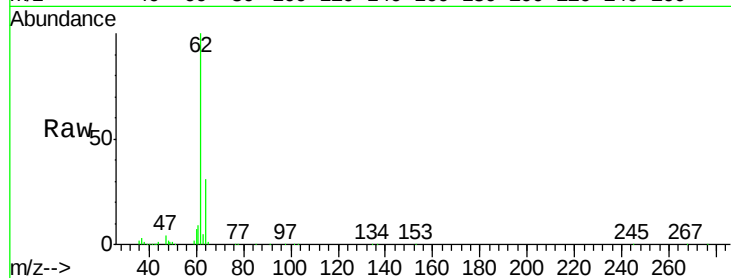
64 30.6 23.0 34.4

Manual Integrations

APPROVED

MMDadoda

3/11/2020 3:26:11 PM



#6

Bromomethane

Concen: 9.461 ppbv

RT: 3.44 min Scan# 202

Delta R.T. 0.00 min

Lab File: VL034848.D

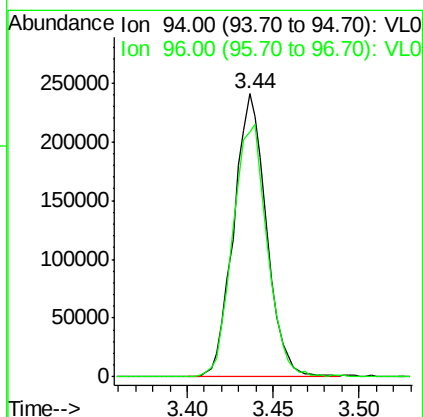
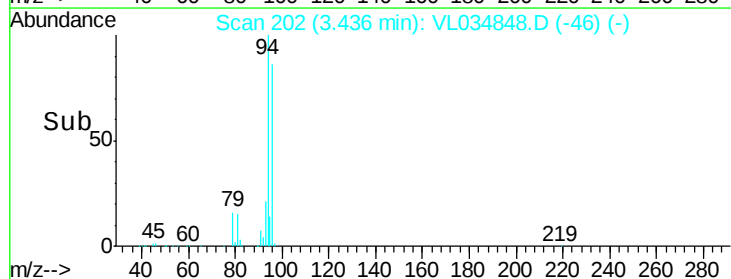
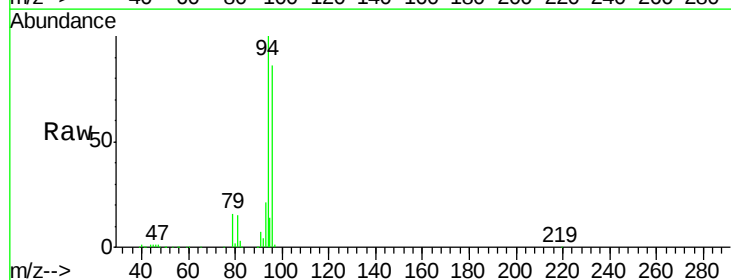
Acq: 9 Mar 2020 20:25

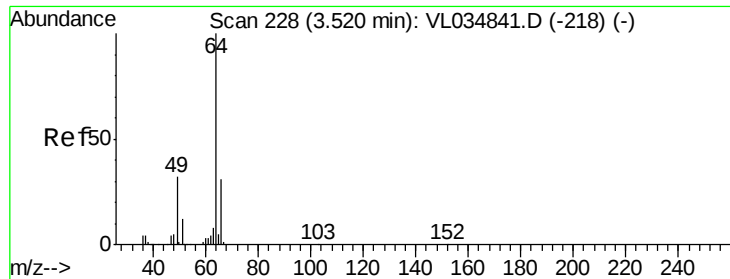
Tgt Ion: 94 Resp: 317559

Ion Ratio Lower Upper

94 100

96 86.4 75.5 113.3





#7

Chloroethane

Concen: 9.628 ppbv

RT: 3.52 min Scan# 228

Delta R.T. 0.00 min

Lab File: VL034848.D

Acq: 9 Mar 2020 20:25

Instrument :

MSVOA_L

ClientSampleId :

ICVVL030920

Tot Ion: 64 Resp: 200473

Ion Ratio Lower Upper

64 100

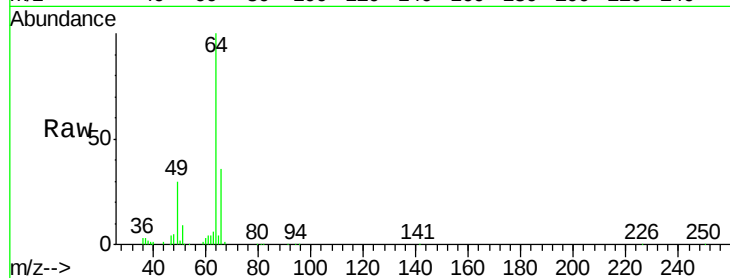
66 35.5 24.8 37.2

Manual Integrations

APPROVED

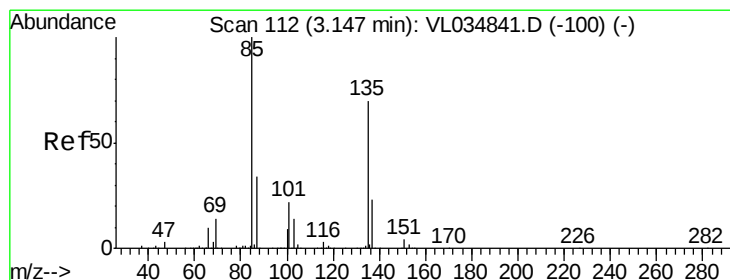
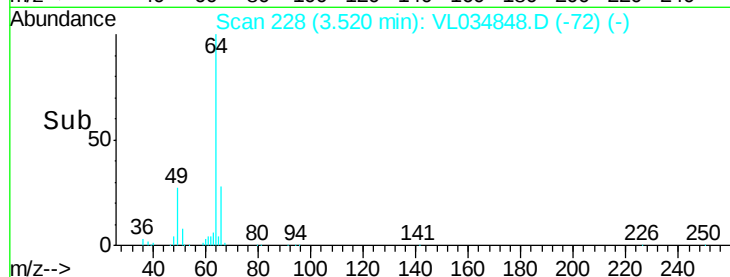
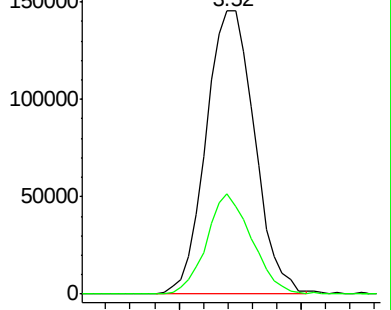
MMDadoda

3/11/2020 3:26:11 PM



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 8.667 ppbv

RT: 3.15 min Scan# 112

Delta R.T. 0.00 min

Lab File: VL034848.D

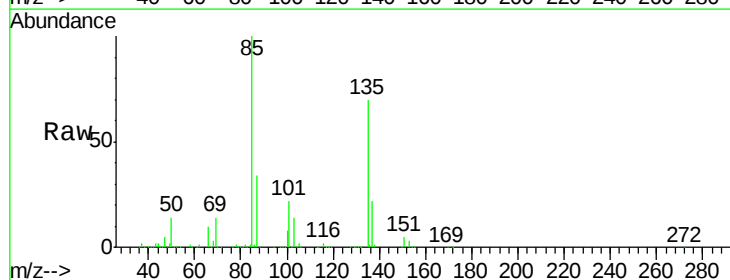
Acq: 9 Mar 2020 20:25

Tgt Ion: 85 Resp: 1170916

Ion Ratio Lower Upper

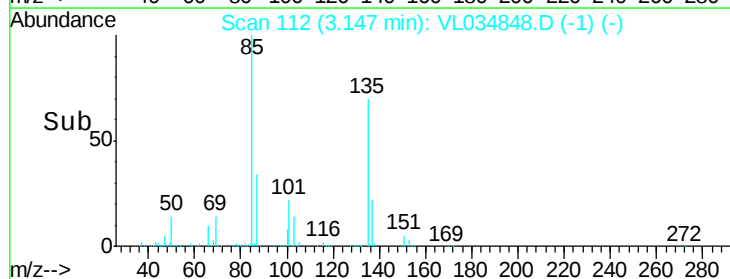
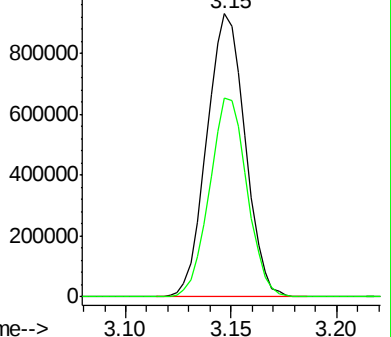
85 100

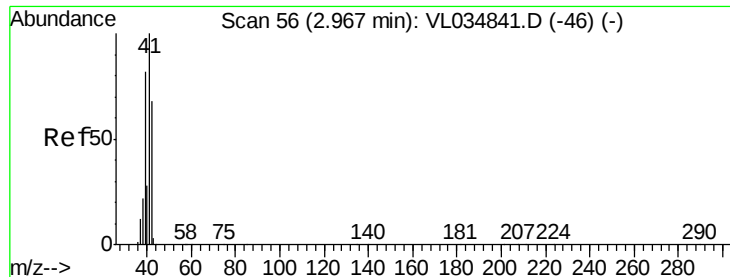
135 69.2 54.3 81.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 9.314 ppbv

RT: 2.97 min Scan# 56

Delta R.T. 0.00 min

Lab File: VL034848.D

Acq: 9 Mar 2020 20:25

Instrument :

MSVOA_L

ClientSampleId :

ICVVL030920

Tot Ion: 41 Resp: 471893

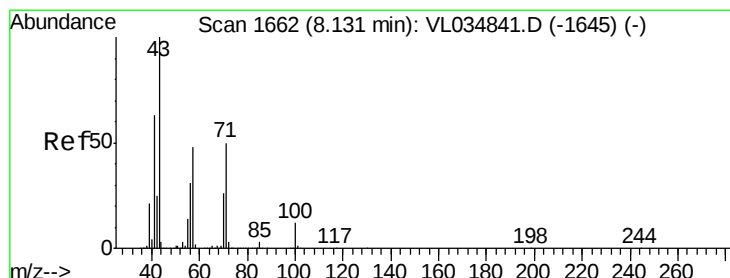
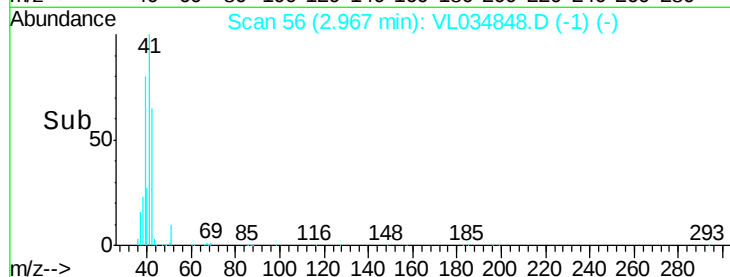
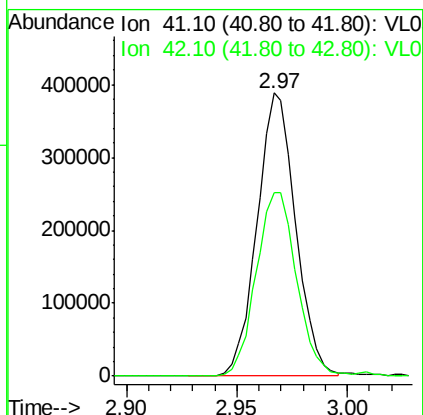
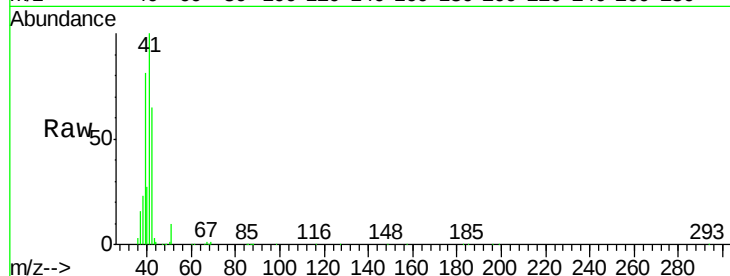
Ion Ratio Lower Upper

41 100

42 69.3 55.2 82.8

Manual Integrations
APPROVED

MMDadoda
3/11/2020 3:26:11 PM



#10

Heptane

Concen: 9.632 ppbv

RT: 8.13 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VL034848.D

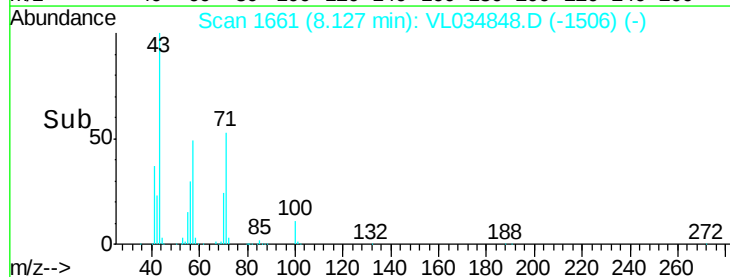
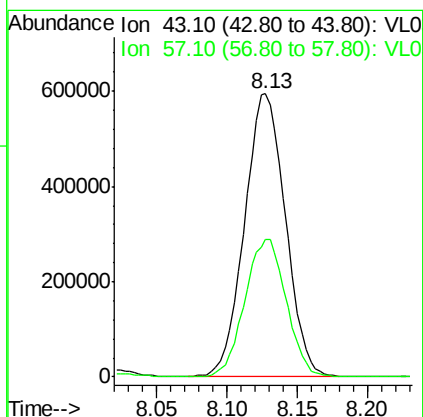
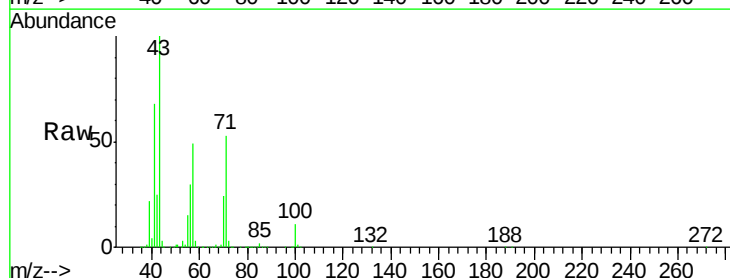
Acq: 9 Mar 2020 20:25

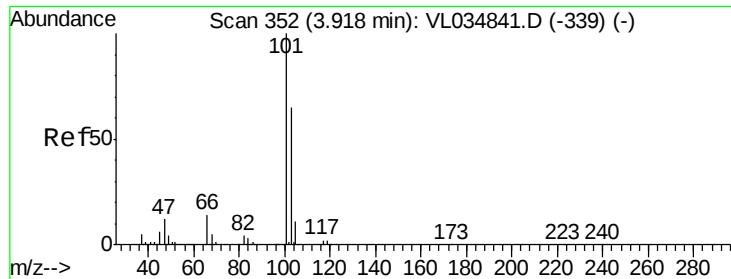
Tgt Ion: 43 Resp: 1201047

Ion Ratio Lower Upper

43 100

57 49.2 39.7 59.5





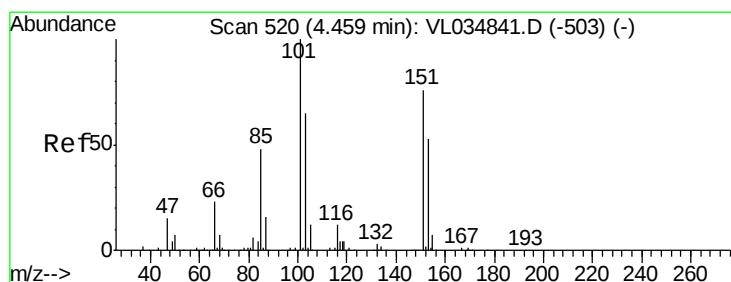
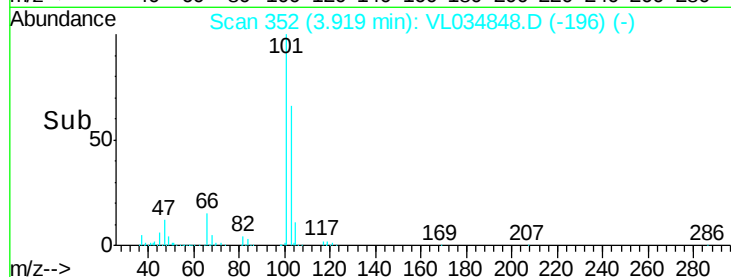
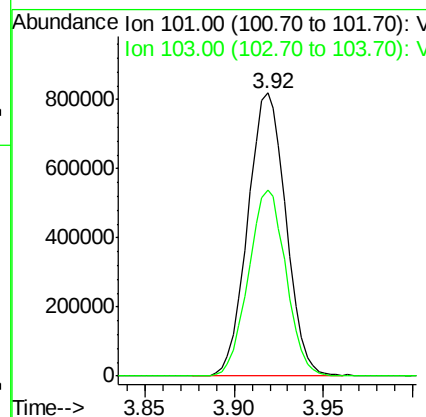
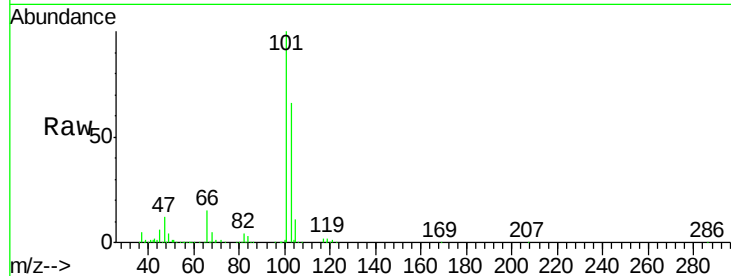
#11
 Trichlorofluoromethane
 Concen: 8.866 ppbv
 RT: 3.92 min Scan# 352
 Delta R.T. 0.00 min
 Lab File: VL034848.D
 Acq: 9 Mar 2020 20:25

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL030920

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.7	51.8	77.8

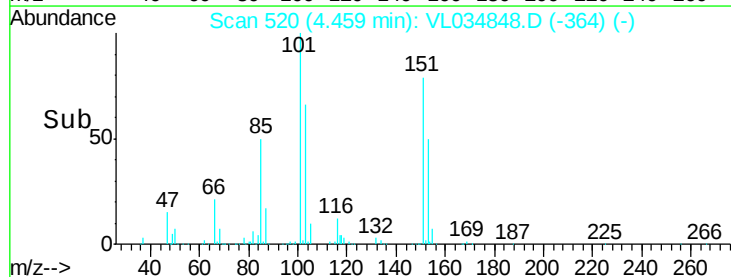
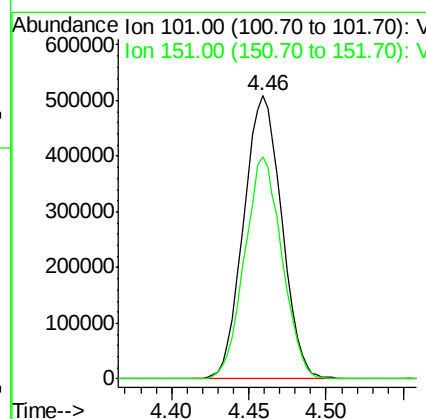
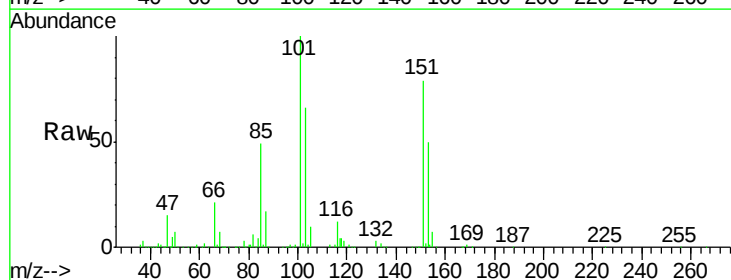
Manual Integrations
 APPROVED

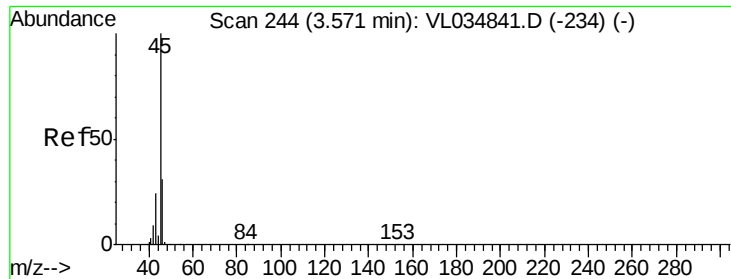
MMDadoda
 3/11/2020 3:26:11 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.003 ppbv
 RT: 4.46 min Scan# 520
 Delta R.T. 0.00 min
 Lab File: VL034848.D
 Acq: 9 Mar 2020 20:25

Tgt Ion	Ratio	Lower	Upper
101	100		
151	77.3	60.8	91.2





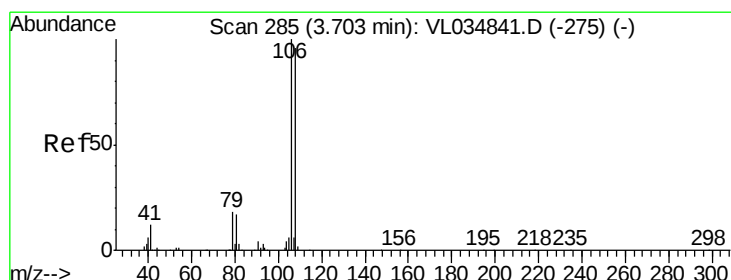
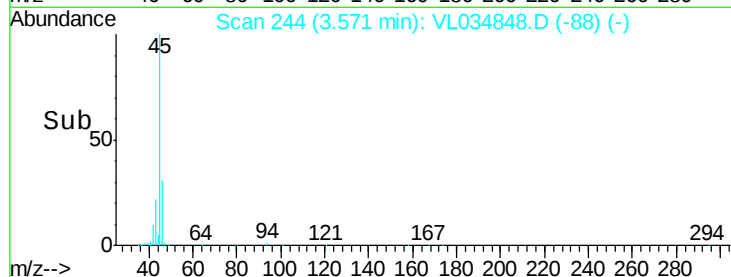
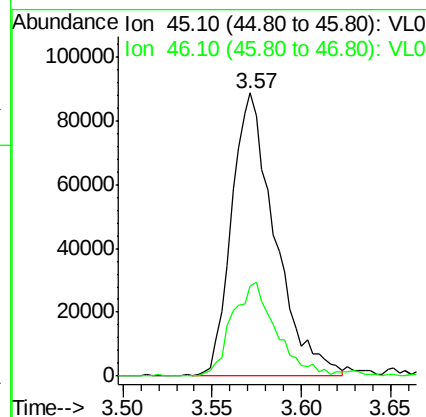
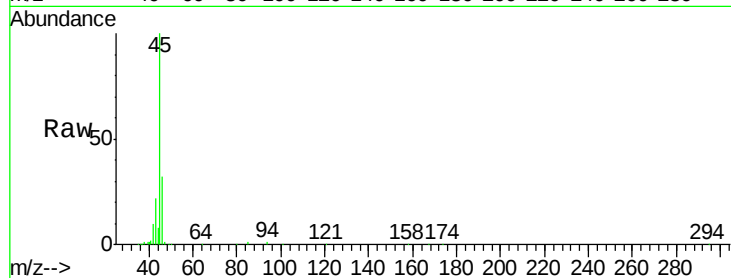
#13
Ethanol
Concen: 9.667 ppbv
RT: 3.57 min Scan# 244
Delta R.T. 0.00 min
Lab File: VL034848.D
Acq: 9 Mar 2020 20:25

Instrument :
MSVOA_L
ClientSampleId :
ICVVL030920

Tot Ion	45	Resp	148912
Ion Ratio	100	Lower	Upper
46	35.4	16.0	64.0

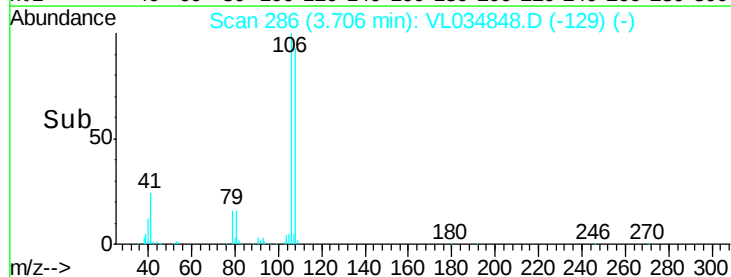
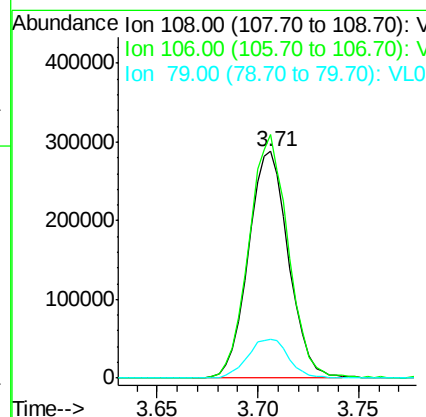
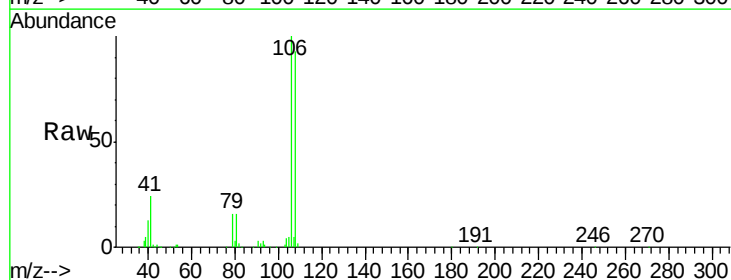
Manual Integrations
APPROVED

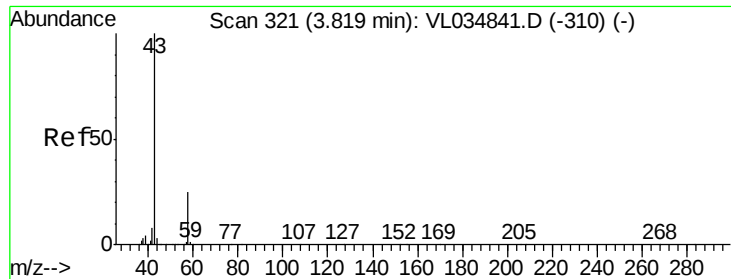
MMDadoda
3/11/2020 3:26:11 PM



#14
Bromoethene
Concen: 9.593 ppbv
RT: 3.71 min Scan# 286
Delta R.T. 0.00 min
Lab File: VL034848.D
Acq: 9 Mar 2020 20:25

Tgt Ion	108	Resp	401290
Ion Ratio	100	Lower	Upper
106	106.3	85.1	127.7
79	17.8	14.7	22.1





#15

Acetone

Concen: 9.046 ppbv

RT: 3.82 min Scan# 321

Delta R.T. 0.00 min

Lab File: VL034848.D

Acq: 9 Mar 2020 20:25

Instrument :

MSVOA_L

ClientSampleId :

ICVVL030920

Tot Ion: 43 Resp: 1113795

Ion Ratio Lower Upper

43 100

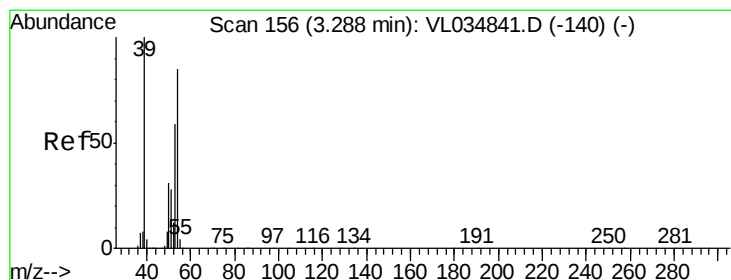
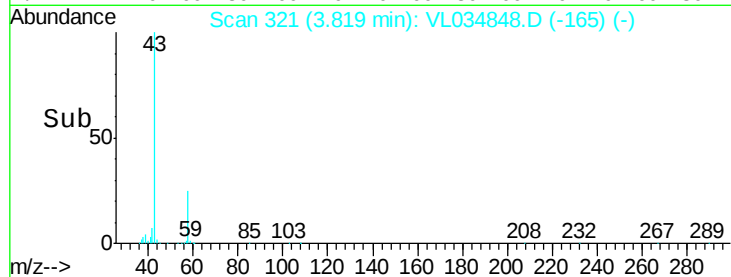
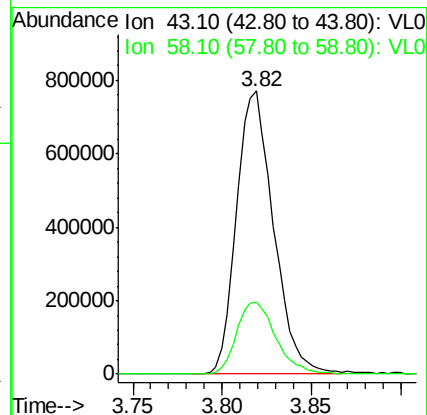
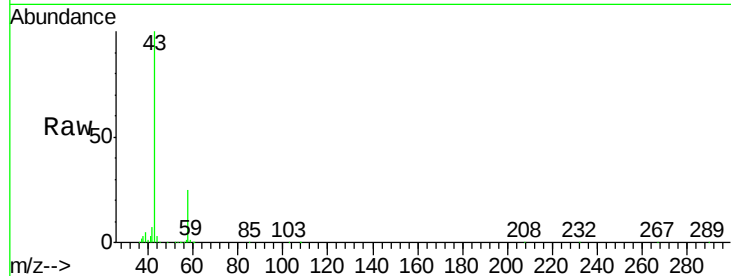
58 27.1 21.0 31.6

Manual Integrations

APPROVED

MMDadoda

3/11/2020 3:26:11 PM



#16

1,3-Butadiene

Concen: 9.300 ppbv

RT: 3.29 min Scan# 156

Delta R.T. 0.00 min

Lab File: VL034848.D

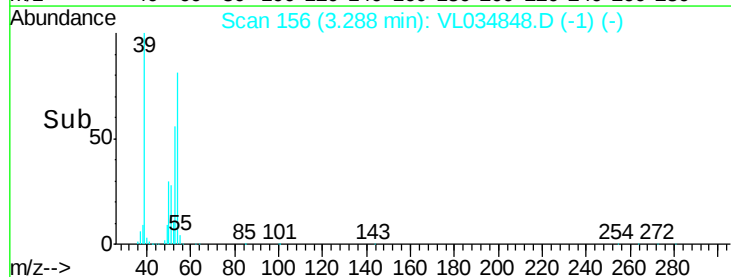
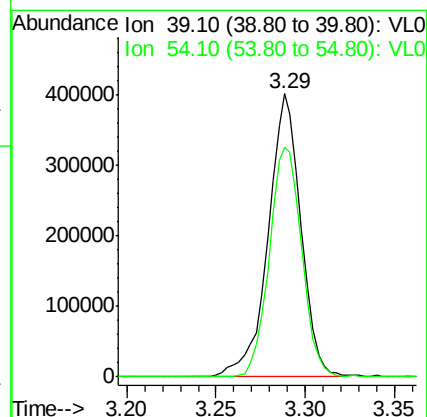
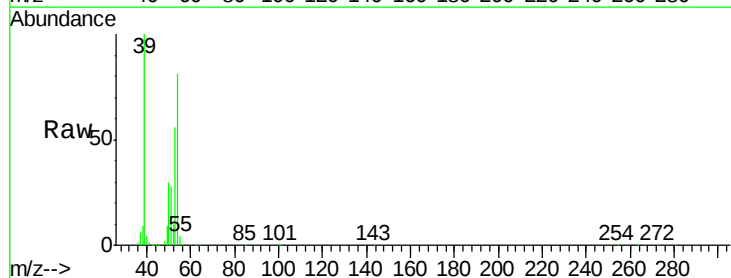
Acq: 9 Mar 2020 20:25

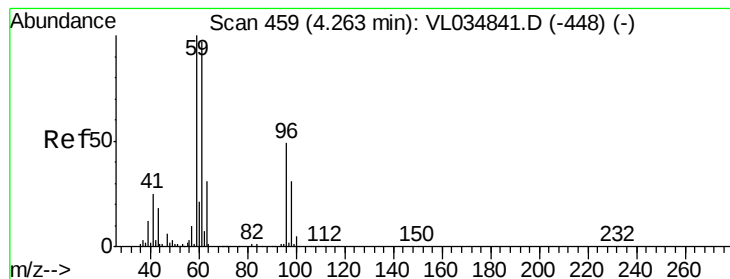
Tgt Ion: 39 Resp: 517842

Ion Ratio Lower Upper

39 100

54 80.6 65.0 97.6





#17

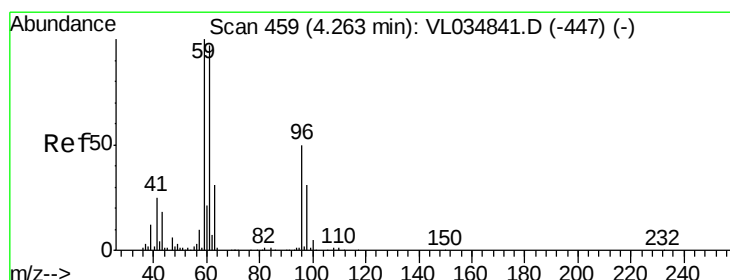
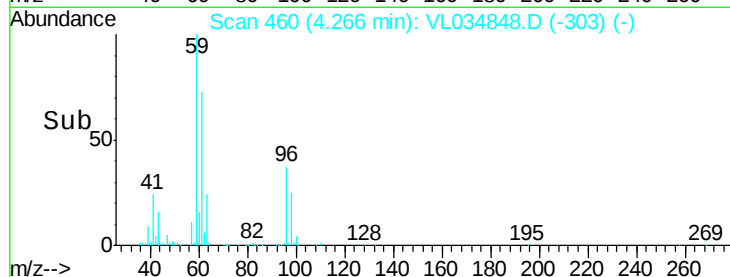
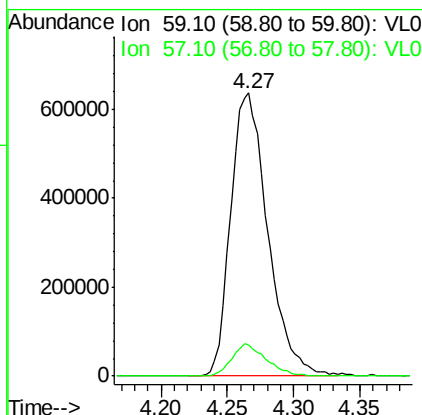
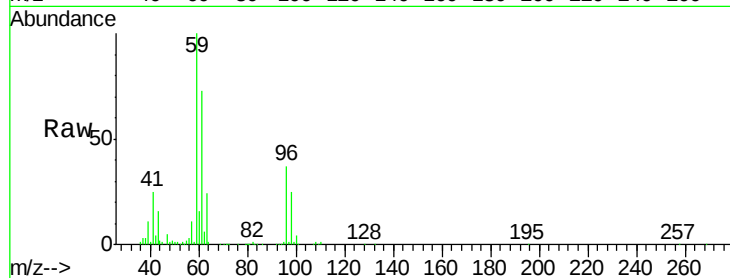
tert-Butyl alcohol
Concen: 10.436 ppbv
RT: 4.27 min Scan# 460
Delta R.T. 0.00 min
Lab File: VL034848.D
Acq: 9 Mar 2020 20:25

Instrument :
MSVOA_L
ClientSampleId :
ICVVL030920

Tot Ion	59	Resp	1237935
Ion Ratio	100	Lower	Upper
57	10.8	8.3	12.5

Manual Integrations
APPROVED

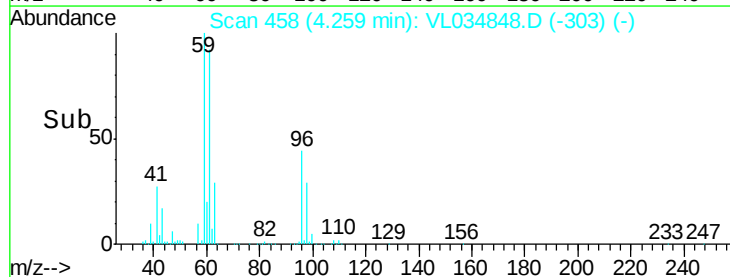
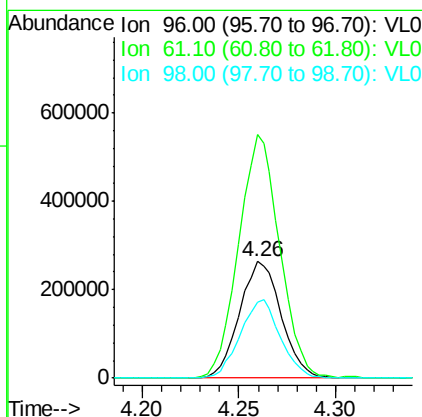
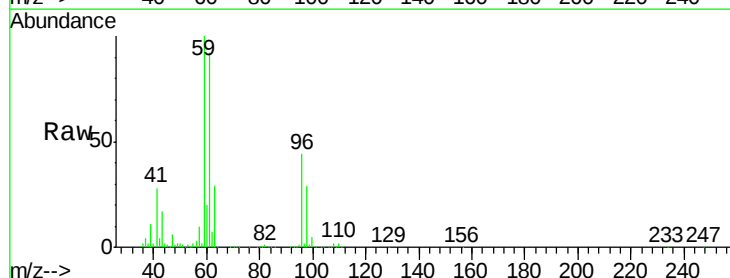
MMDadoda
3/11/2020 3:26:11 PM

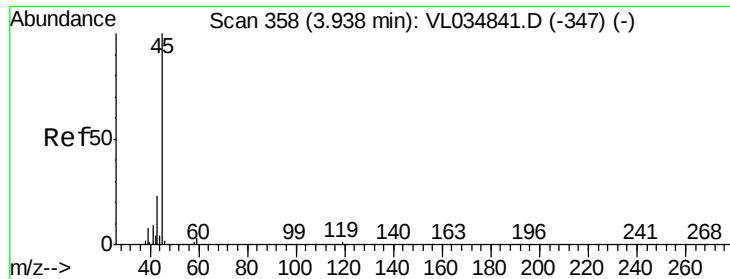


#18

1,1-Dichloroethene
Concen: 9.235 ppbv
RT: 4.26 min Scan# 458
Delta R.T. -0.00 min
Lab File: VL034848.D
Acq: 9 Mar 2020 20:25

Tgt Ion	96	Resp	396143
Ion Ratio	100	Lower	Upper
61	208.2	157.3	235.9
98	64.9	50.2	75.4





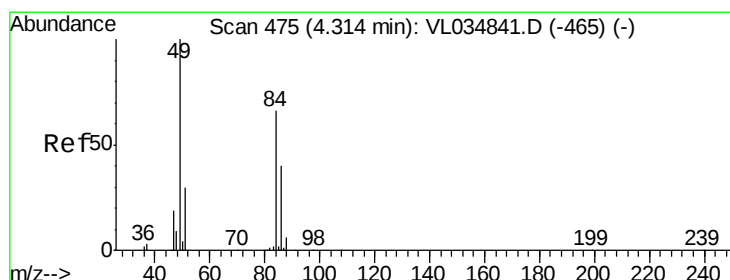
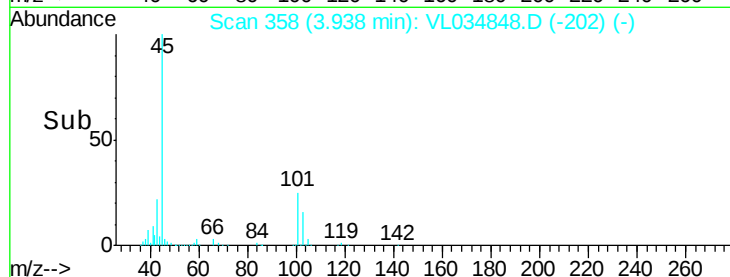
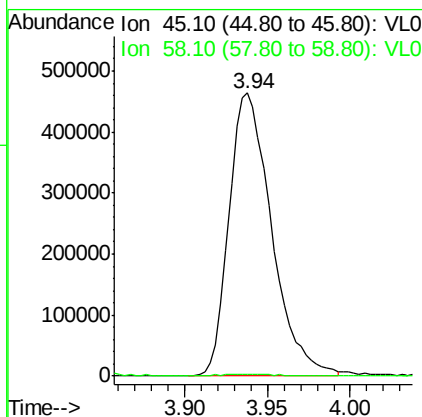
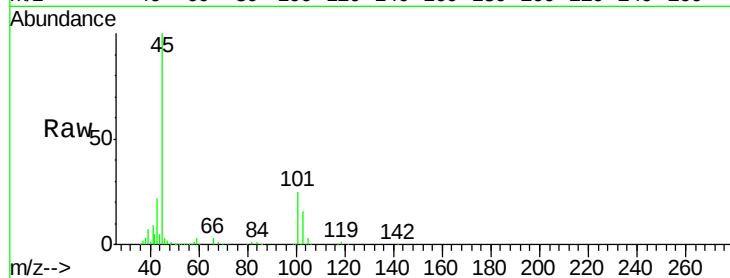
#19
Isopropyl Alcohol
Concen: 10.664 ppbv
RT: 3.94 min Scan# 358
Delta R.T. 0.00 min
Lab File: VL034848.D
Acq: 9 Mar 2020 20:25

Instrument :
MSVOA_L
ClientSampleId :
ICVVL030920

Tot Ion: 45 Resp: 829164
Ion Ratio Lower Upper
45 100
58 1.1 30.5 45.7#

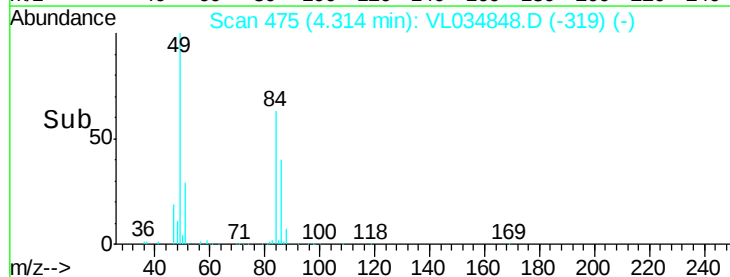
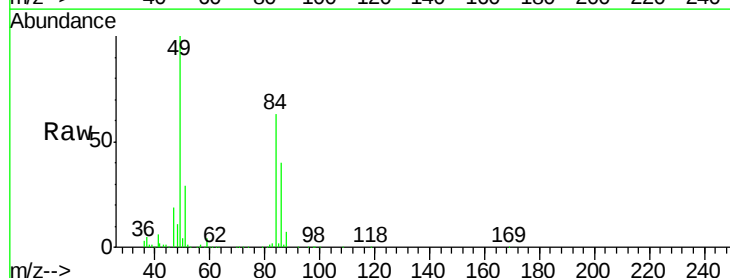
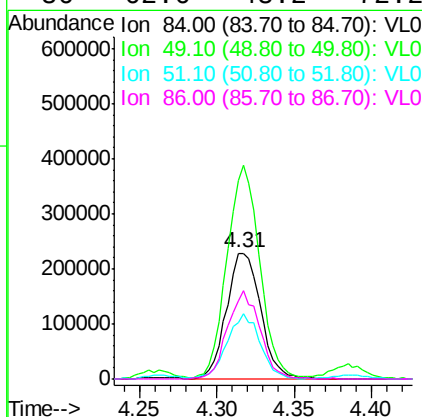
Manual Integrations
APPROVED

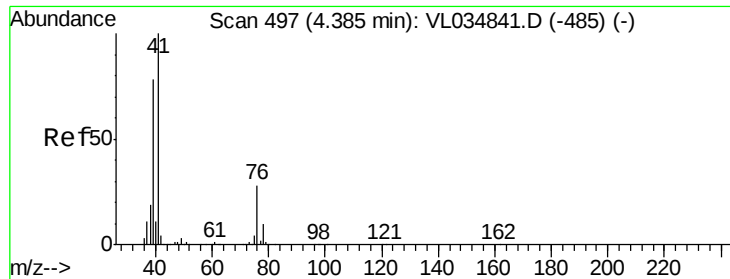
MMDadoda
3/11/2020 3:26:11 PM



#20
Methylene Chloride
Concen: 8.955 ppbv
RT: 4.31 min Scan# 475
Delta R.T. 0.00 min
Lab File: VL034848.D
Acq: 9 Mar 2020 20:25

Tgt Ion: 84 Resp: 348606
Ion Ratio Lower Upper
84 100
49 157.2 121.5 182.3
51 43.8 36.6 55.0
86 62.6 48.2 72.2





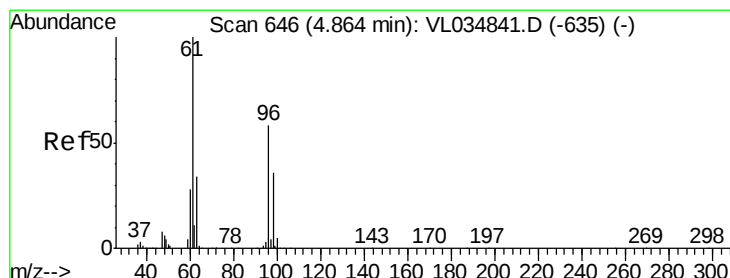
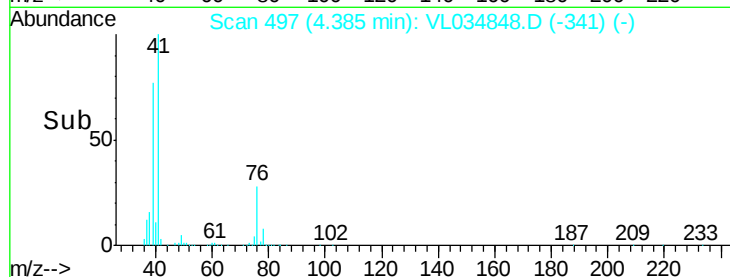
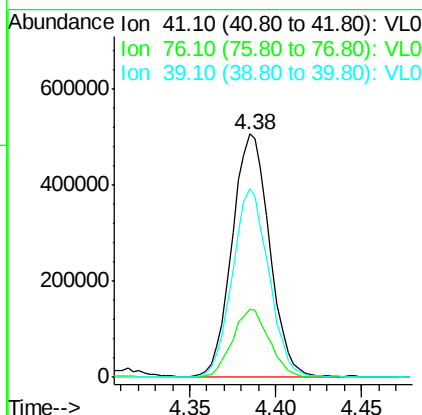
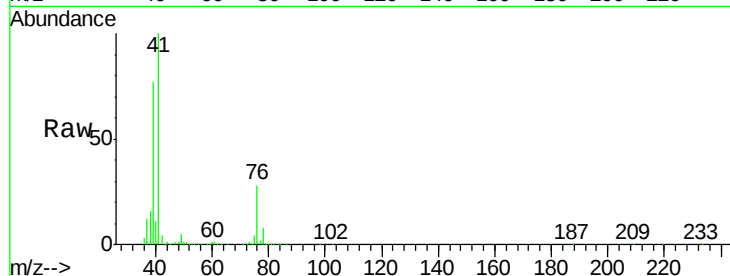
#21
Allvl Chloride
Concen: 9.633 ppbv
RT: 4.38 min Scan# 497
Delta R.T. 0.00 min
Lab File: VL034848.D
Acq: 9 Mar 2020 20:25

Instrument :
MSVOA_L
ClientSampleId :
ICVVL030920

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		761746		
76	28.0	22.2	33.2		
39	76.0	62.6	93.8		

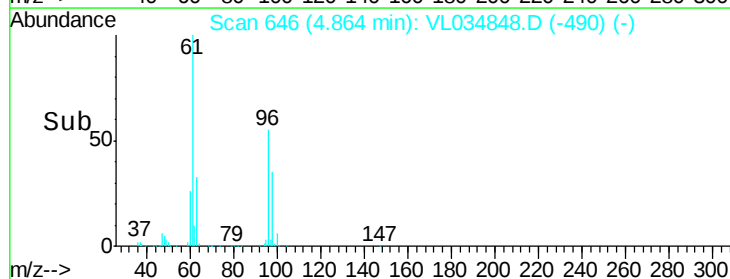
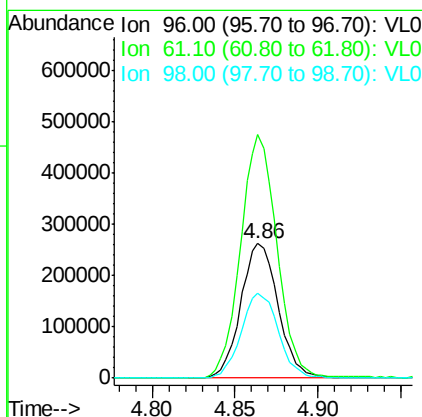
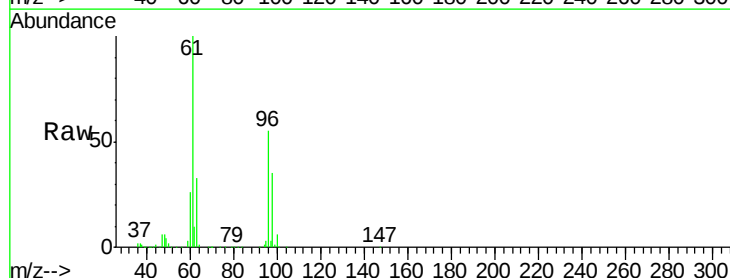
Manual Integrations
APPROVED

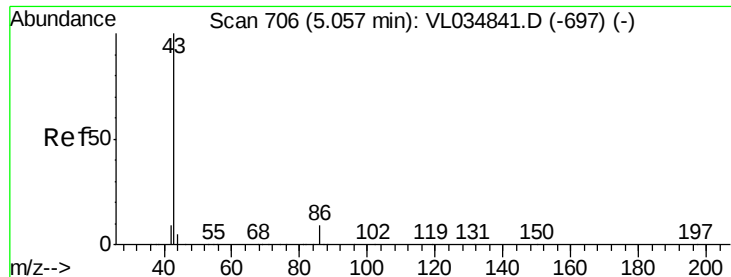
MMDadoda
3/11/2020 3:26:11 PM



#22
trans-1,2-Dichloroethene
Concen: 9.384 ppbv
RT: 4.86 min Scan# 646
Delta R.T. 0.00 min
Lab File: VL034848.D
Acq: 9 Mar 2020 20:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	100		408392		
61	181.1	139.0	208.6		
98	63.4	50.3	75.5		





#23

Vinyl Acetate

Concen: 9.885 ppbv

RT: 5.05 min Scan# 705

Delta R.T. -0.00 min

Lab File: VL034848.D

Acq: 9 Mar 2020 20:25

Instrument :

MSVOA_L

ClientSampleId :

ICVVL030920

Tot Ion: 43 Resp: 1797953

Ion Ratio Lower Upper

43 100

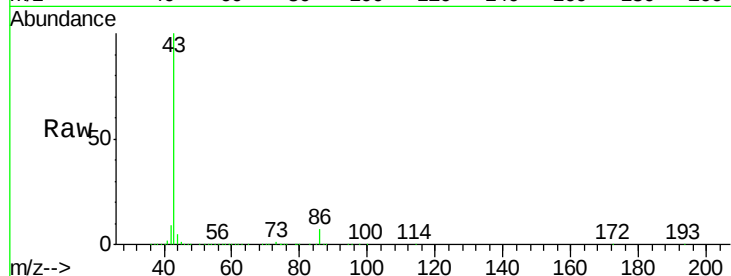
86 6.9 6.3 9.5

42 8.8 7.8 11.8

44 5.0 4.0 6.0

Manual Integrations
APPROVED

MMDadoda
3/11/2020 3:26:11 PM

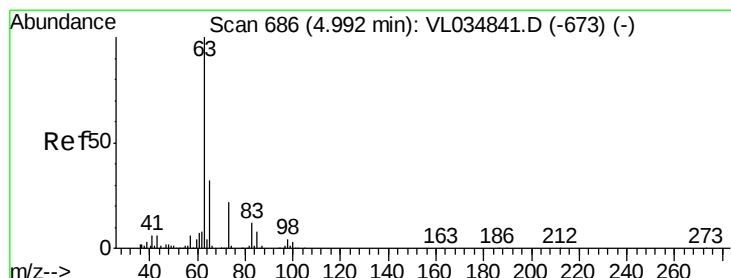
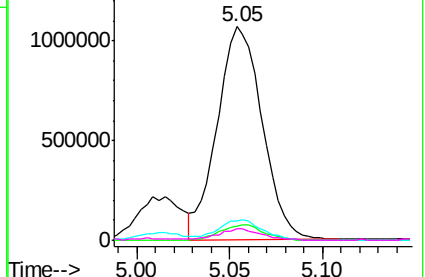
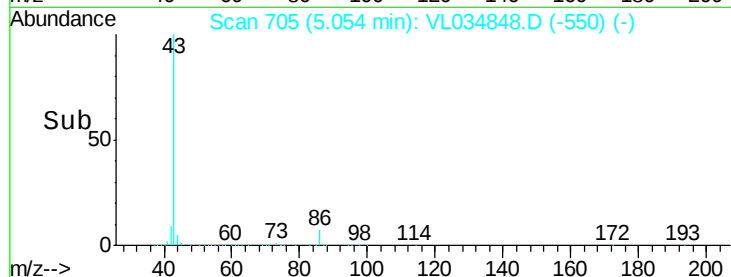


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.000 ppbv

RT: 4.99 min Scan# 686

Delta R.T. 0.00 min

Lab File: VL034848.D

Acq: 9 Mar 2020 20:25

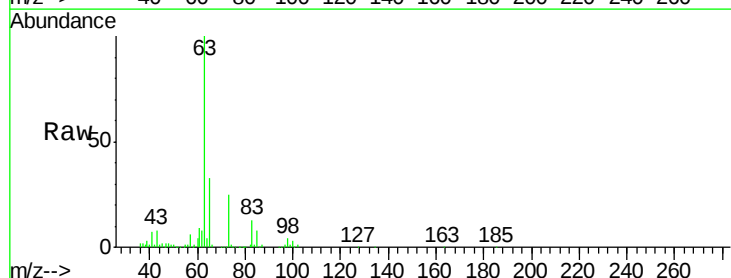
Tgt Ion: 63 Resp: 1097393

Ion Ratio Lower Upper

63 100

98 3.8 2.0 5.8

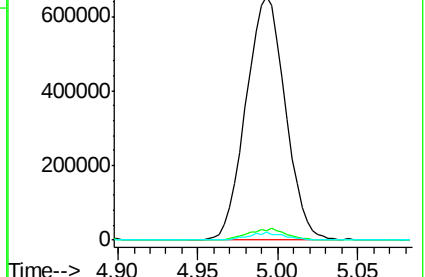
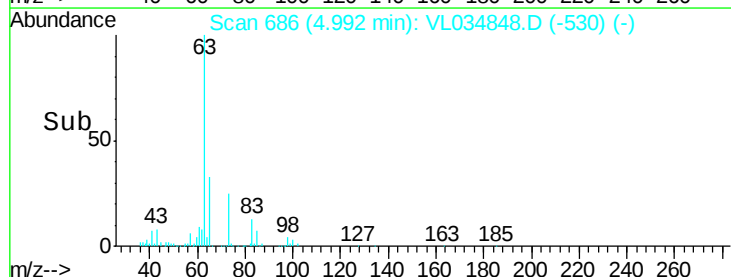
100 3.5 1.4 4.0

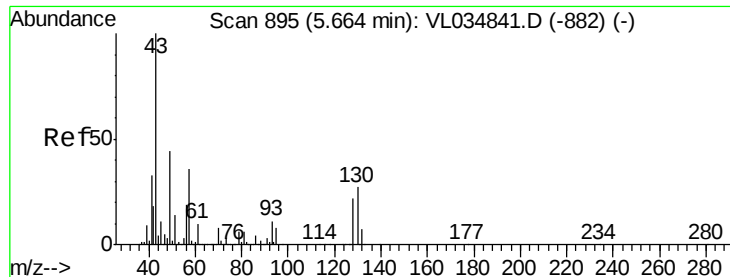


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





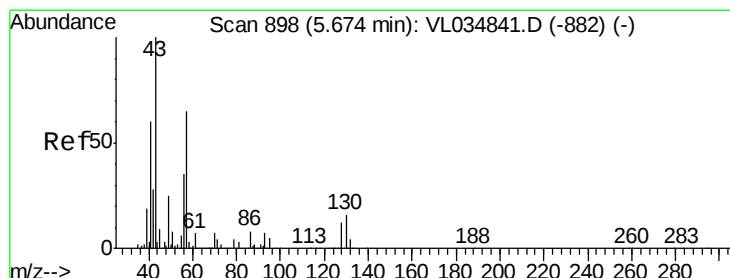
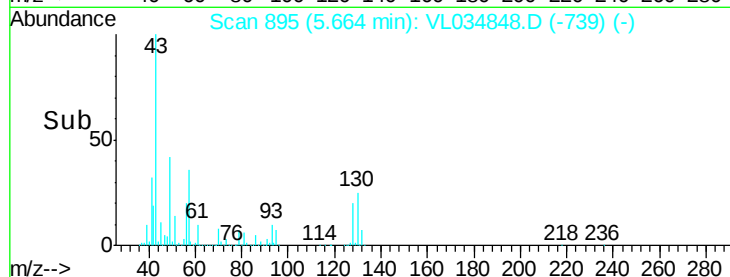
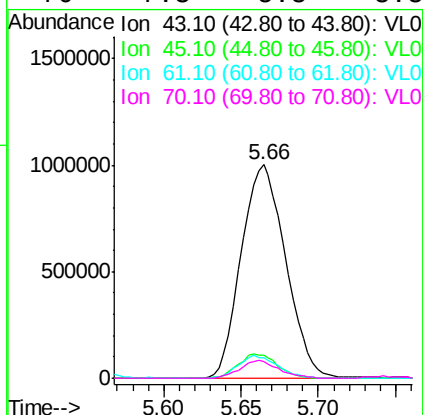
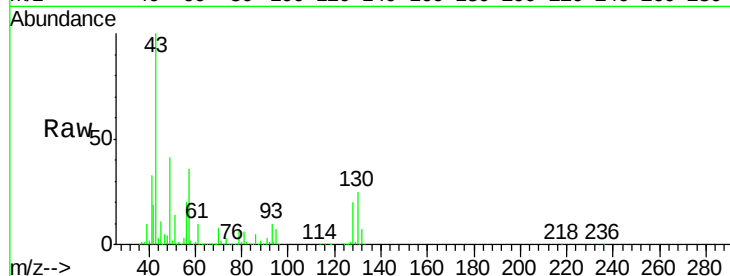
#25
Ethyl Acetate
Concen: 9.118 ppbv
RT: 5.66 min Scan# 895
Delta R.T. 0.00 min
Lab File: VL034848.D
Acq: 9 Mar 2020 20:25

Instrument :
MSVOA_L
ClientSampleId :
ICVVL030920

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	10.2	8.2	12.2	
61	9.6	7.8	11.6	
70	7.3	5.8	8.8	

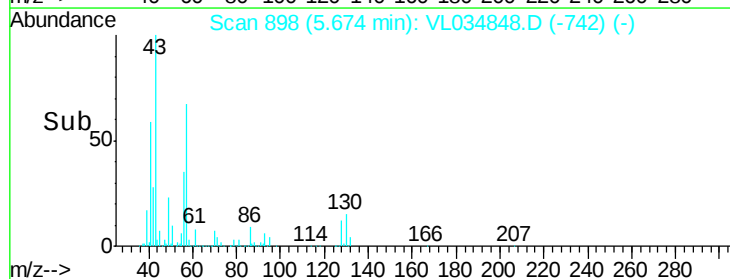
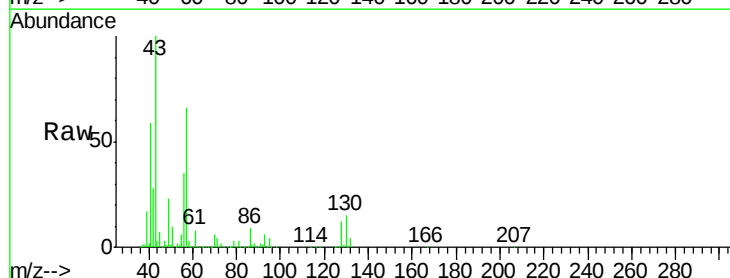
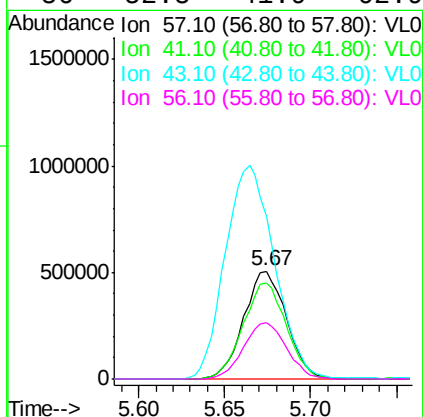
Manual Integrations
APPROVED

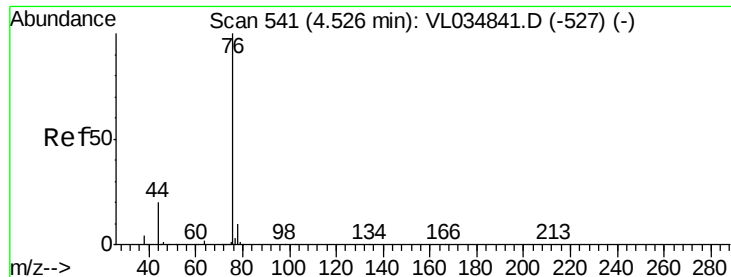
MMDadoda
3/11/2020 3:26:11 PM



#26
Hexane
Concen: 9.251 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.00 min
Lab File: VL034848.D
Acq: 9 Mar 2020 20:25

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	90.2	72.6	109.0	
43	231.4	183.8	275.6	
56	52.5	41.9	62.9	





#27

Carbon Disulfide

Concen: 9.840 ppbv

RT: 4.53 min Scan# 541

Delta R.T. 0.00 min

Lab File: VL034848.D

Acq: 9 Mar 2020 20:25

Instrument :

MSVOA_L

ClientSampleId :

ICVVL030920

Tot Ion: 76 Resp: 1054733

Ion Ratio Lower Upper

76 100

44 20.9 16.2 24.2

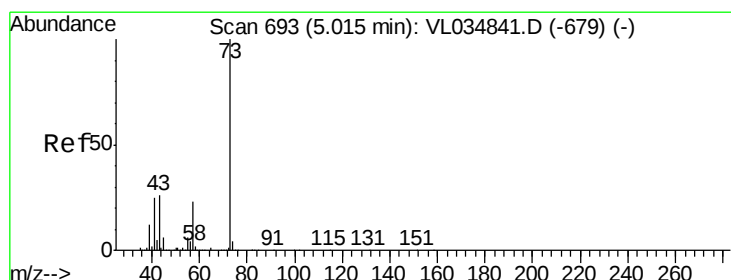
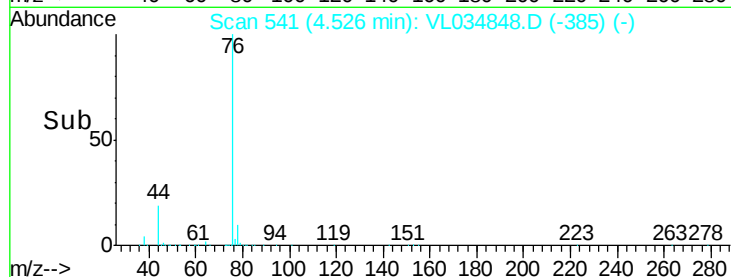
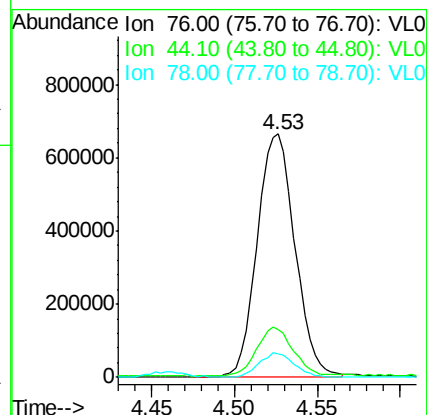
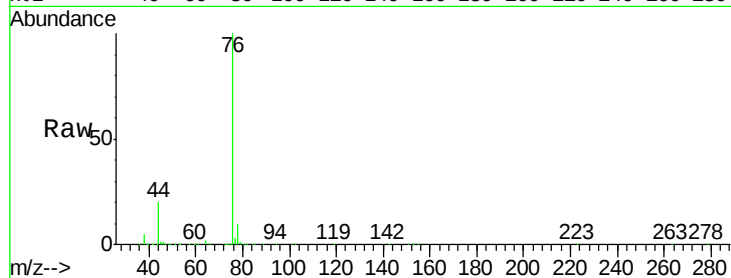
78 9.7 7.8 11.6

Manual Integrations

APPROVED

MMDadoda

3/11/2020 3:26:11 PM



#28

Methyl tert-Butyl Ether

Concen: 9.412 ppbv

RT: 5.01 min Scan# 693

Delta R.T. 0.00 min

Lab File: VL034848.D

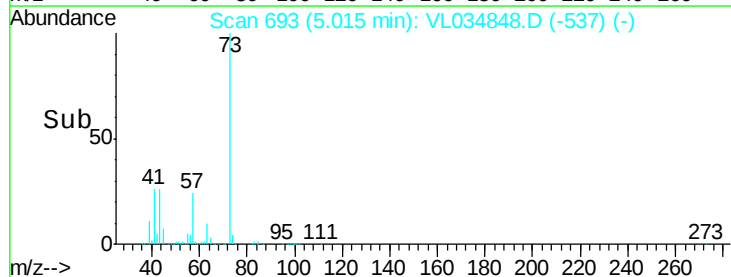
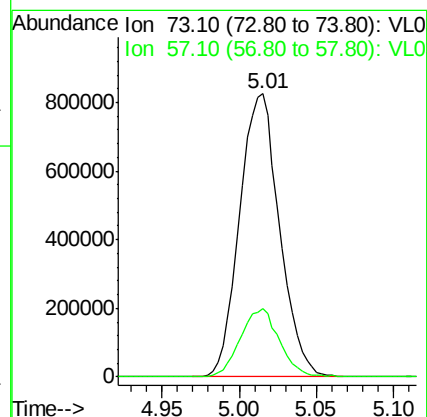
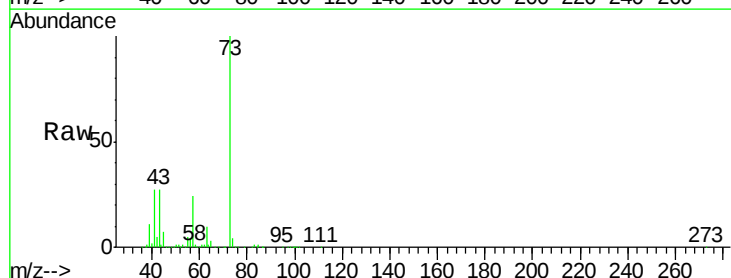
Acq: 9 Mar 2020 20:25

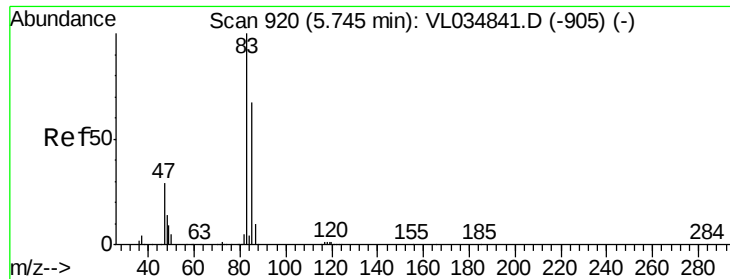
Tgt Ion: 73 Resp: 1479230

Ion Ratio Lower Upper

73 100

57 23.7 18.3 27.5





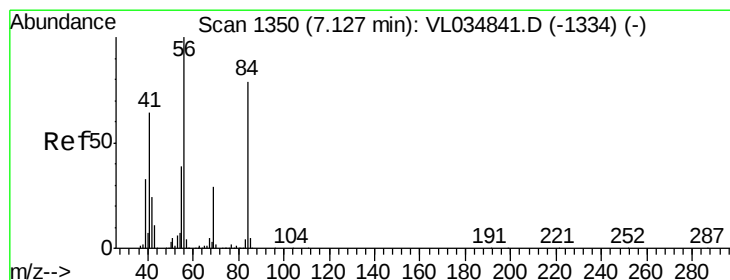
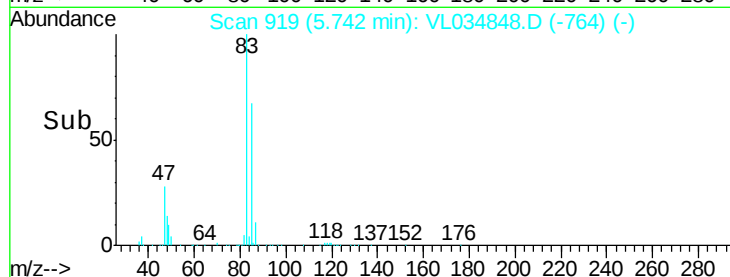
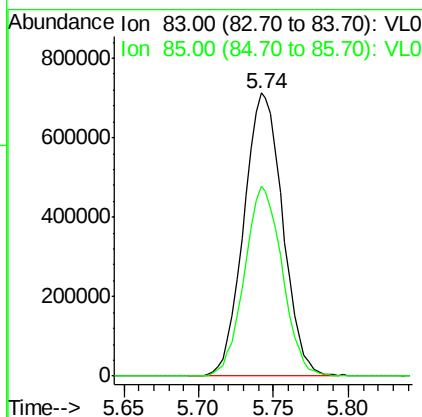
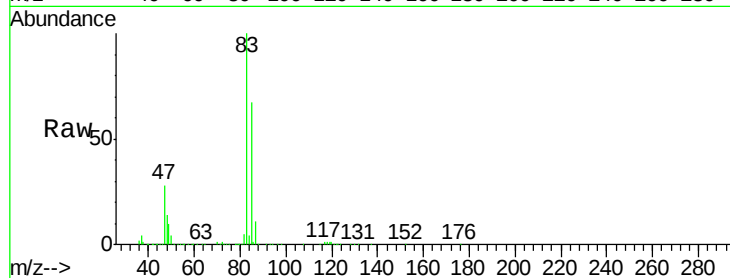
#29
Chloroform
Concen: 8.927 ppbv
RT: 5.74 min Scan# 919
Delta R.T. -0.00 min
Lab File: VL034848.D
Acq: 9 Mar 2020 20:25

Instrument :
MSVOA_L
ClientSampleId :
ICVVL030920

Tot Ion: 83 Resp: 1286570
Ion Ratio Lower Upper
83 100
85 67.1 53.8 80.6

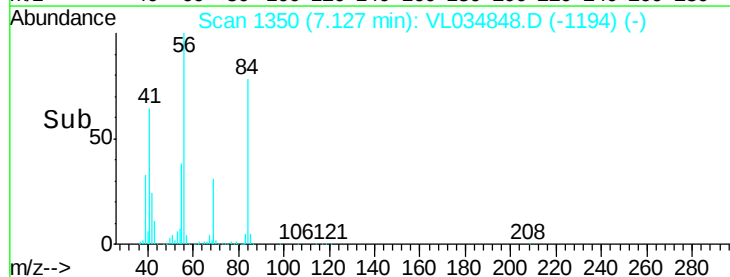
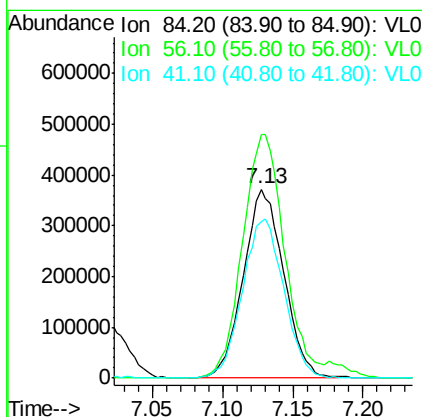
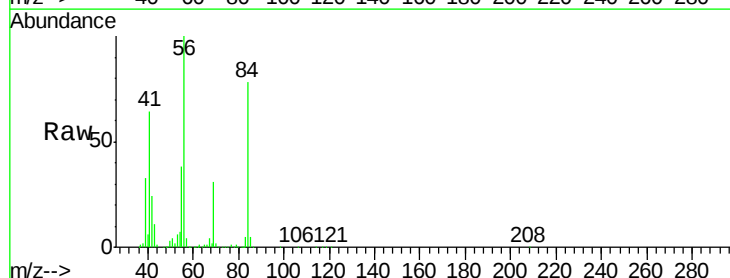
Manual Integrations
APPROVED

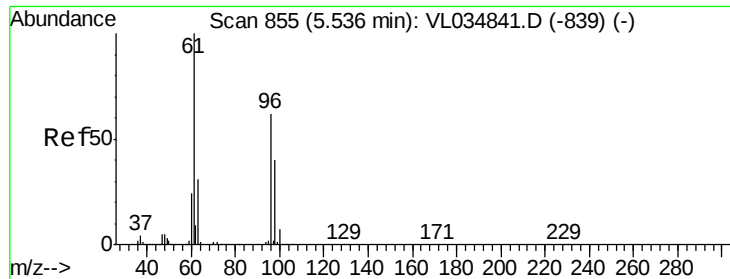
MMDadoda
3/11/2020 3:26:11 PM



#30
Cyclohexane
Concen: 9.495 ppbv
RT: 7.13 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VL034848.D
Acq: 9 Mar 2020 20:25

Tgt Ion: 84 Resp: 748361
Ion Ratio Lower Upper
84 100
56 138.5 110.5 165.7
41 86.2 68.2 102.4





#31

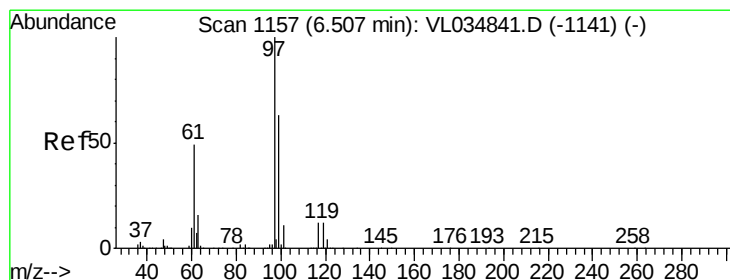
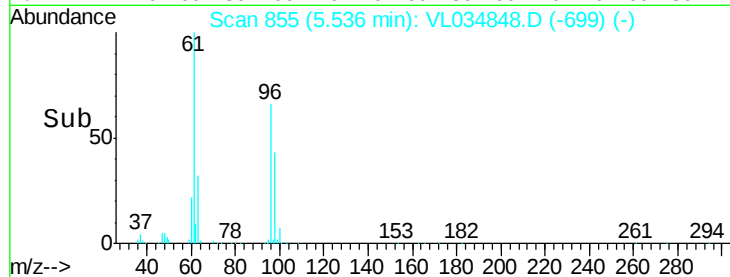
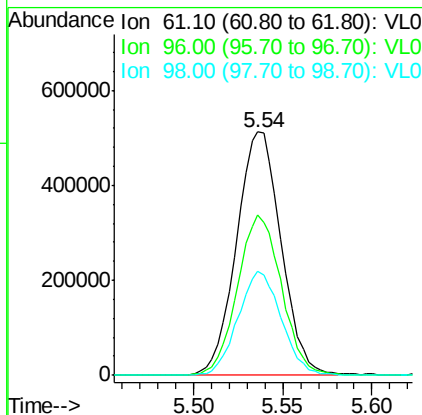
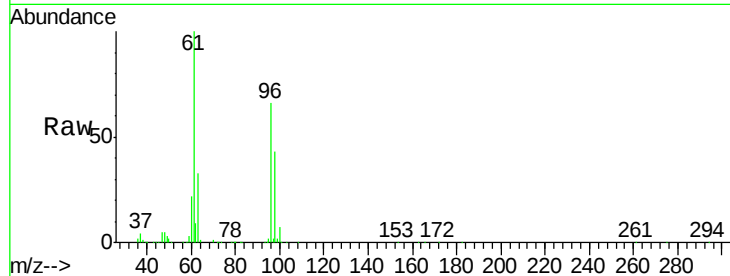
cis-1,2-Dichloroethene
 Concen: 9.286 ppbv
 RT: 5.54 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VL034848.D
 Acq: 9 Mar 2020 20:25

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL030920

Tot Ion	Ratio	Lower	Upper
61	100		
96	65.9	49.8	74.8
98	43.0	32.2	48.4

Manual Integrations
 APPROVED

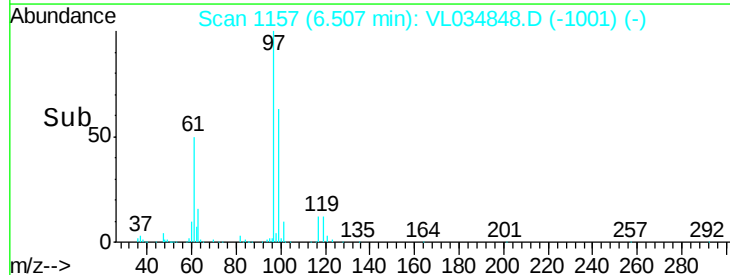
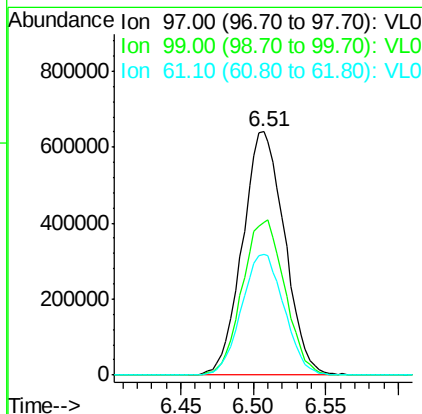
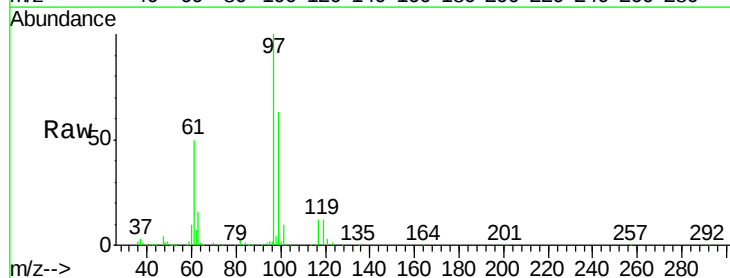
MMDadoda
 3/11/2020 3:26:11 PM

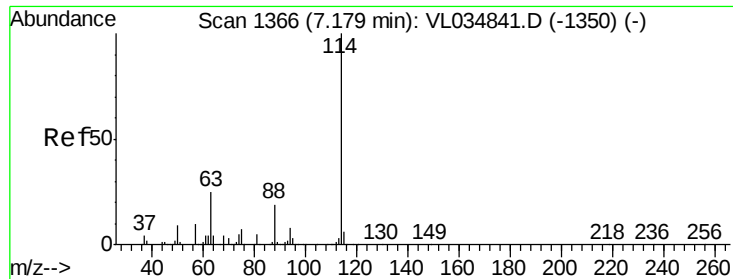


#32

1,1,1-Trichloroethane
 Concen: 9.232 ppbv
 RT: 6.51 min Scan# 1157
 Delta R.T. 0.00 min
 Lab File: VL034848.D
 Acq: 9 Mar 2020 20:25

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.1	76.7
61	50.0	39.7	59.5





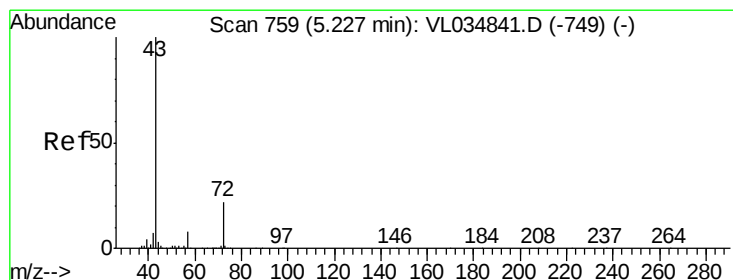
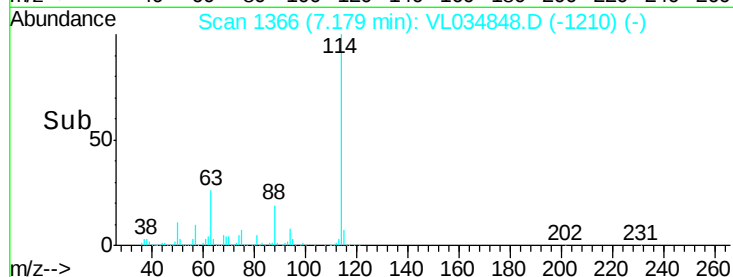
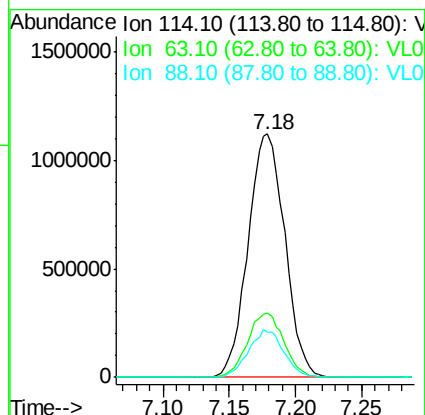
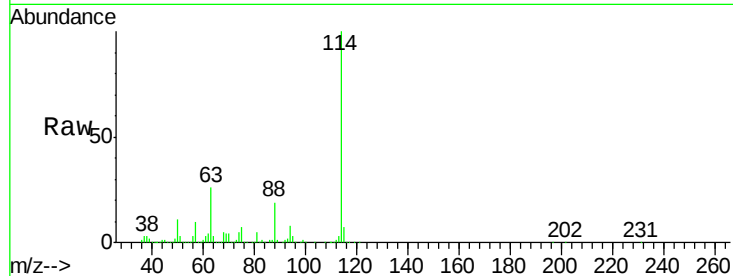
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. 0.00 min
 Lab File: VL034848.D
 Acq: 9 Mar 2020 20:25

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL030920

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.4	20.6	31.0
88	18.7	15.0	22.6

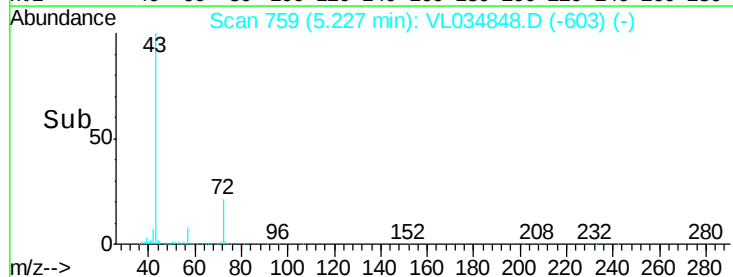
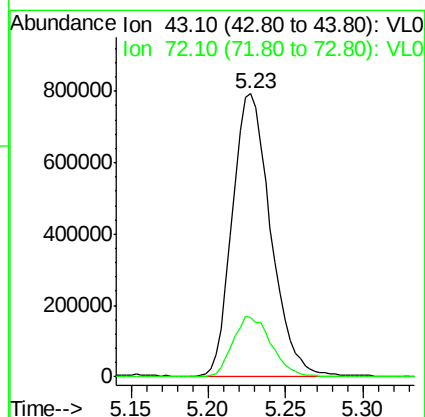
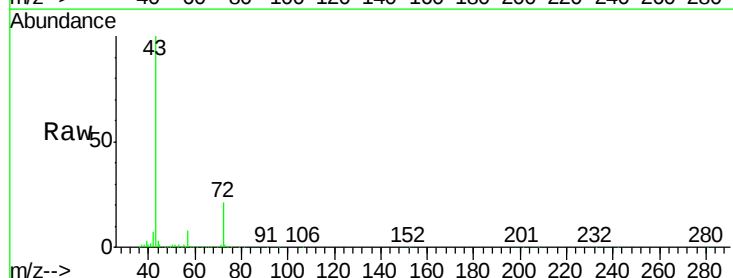
Manual Integrations
 APPROVED

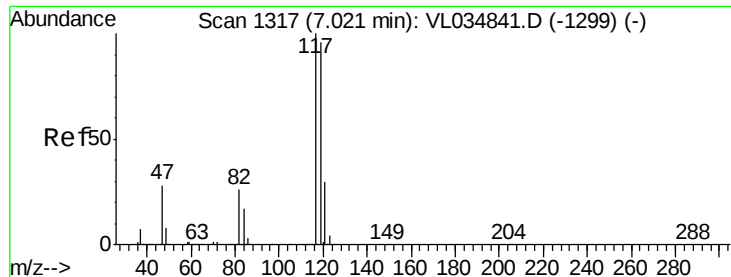
MMDadoda
 3/11/2020 3:26:11 PM



#34
 2-Butanone
 Concen: 9.461 ppbv
 RT: 5.23 min Scan# 759
 Delta R.T. 0.00 min
 Lab File: VL034848.D
 Acq: 9 Mar 2020 20:25

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.6	17.6	26.4





#35

Carbon Tetrachloride

Concen: 9.940 ppbv

RT: 7.02 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VL034848.D

Acq: 9 Mar 2020 20:25

Instrument :

MSVOA_L

ClientSampleId :

ICVVL030920

Tot Ion:117 Resp: 1341450

Ion Ratio Lower Upper

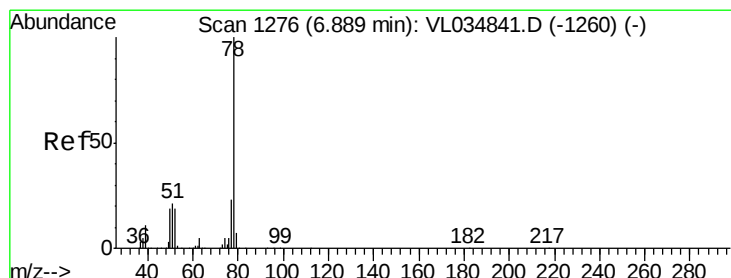
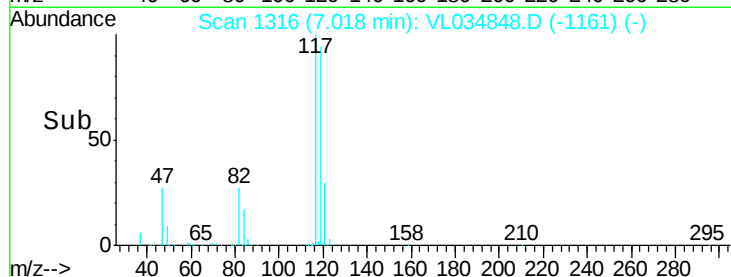
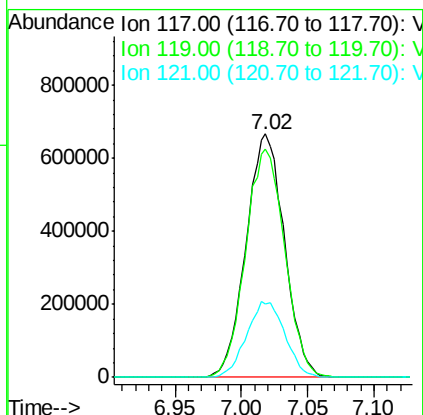
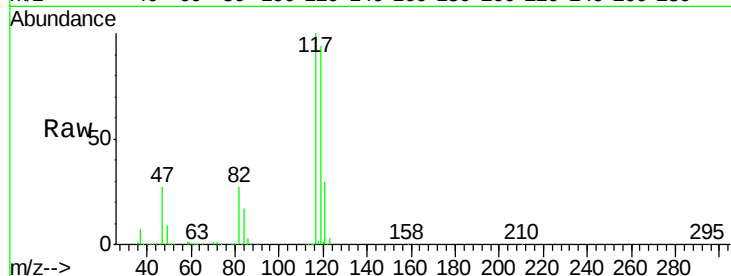
117 100

119 93.8 77.0 115.4

121 30.0 24.0 36.0

Manual Integrations
APPROVED

MMDadoda
3/11/2020 3:26:11 PM



#36

Benzene

Concen: 9.209 ppbv

RT: 6.89 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VL034848.D

Acq: 9 Mar 2020 20:25

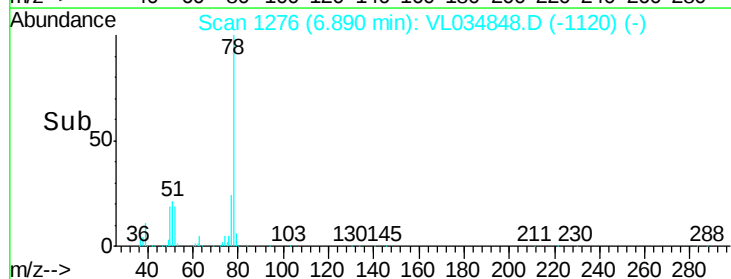
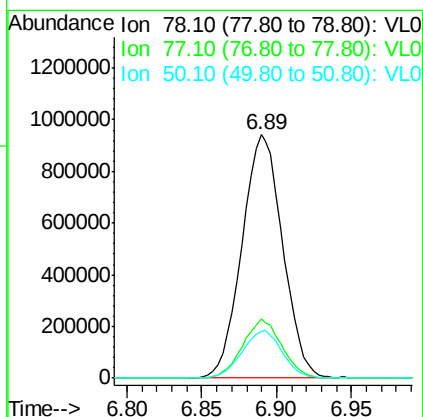
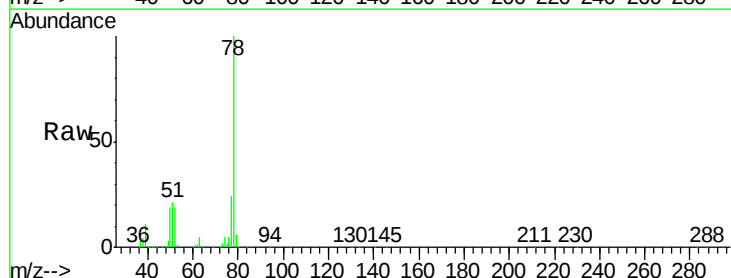
Tgt Ion: 78 Resp: 1781060

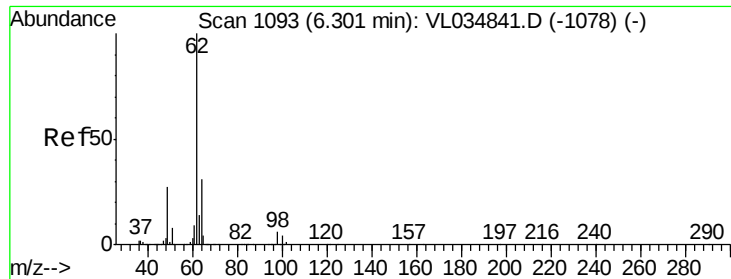
Ion Ratio Lower Upper

78 100

77 24.2 18.2 27.2

50 19.0 15.2 22.8





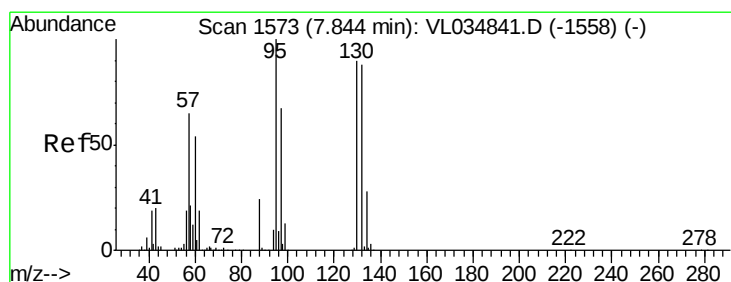
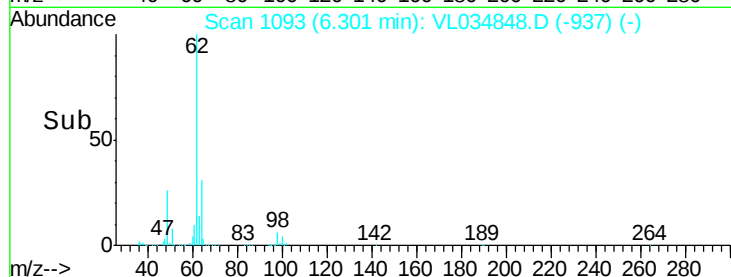
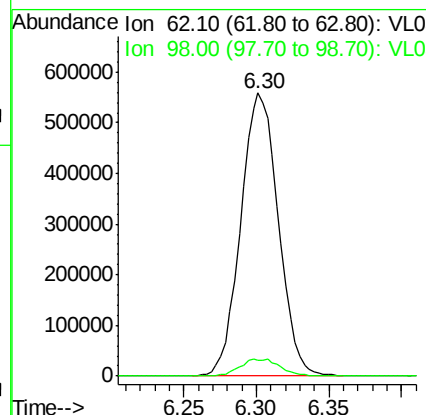
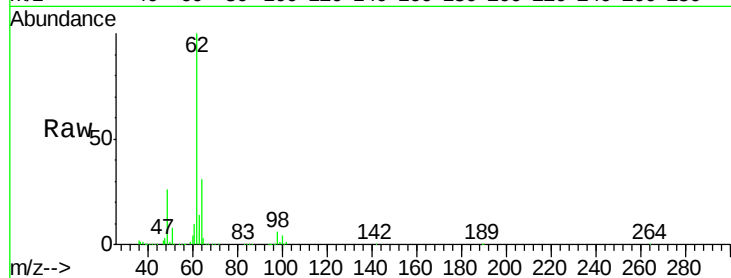
#37
 1,2-Dichloroethane
 Concen: 9.220 ppbv
 RT: 6.30 min Scan# 1093
 Delta R.T. 0.00 min
 Lab File: VL034848.D
 Acq: 9 Mar 2020 20:25

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL030920

Tot Ion	Ratio	Lower	Upper
62	100		
98	6.4	5.2	7.8

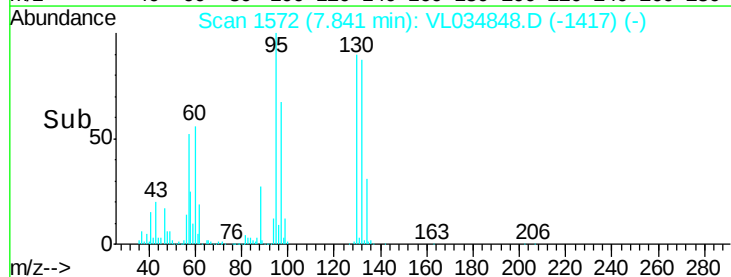
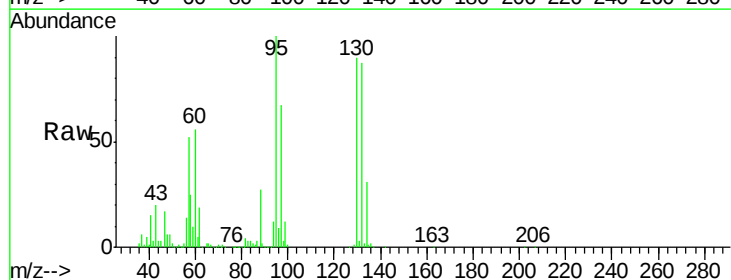
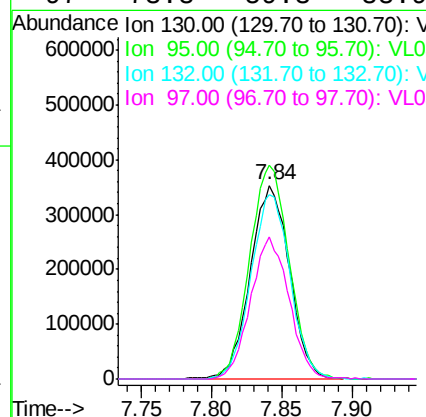
Manual Integrations
 APPROVED

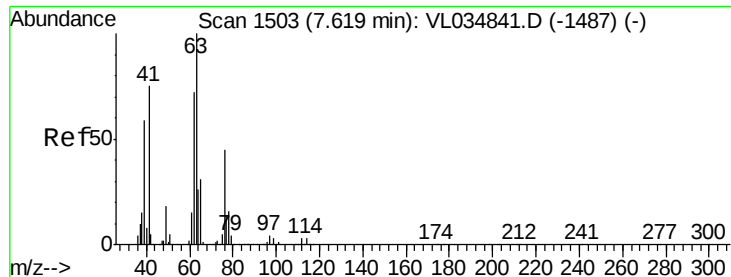
MMDadoda
 3/11/2020 3:26:11 PM



#38
 Trichloroethene
 Concen: 9.260 ppbv
 RT: 7.84 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VL034848.D
 Acq: 9 Mar 2020 20:25

Tgt Ion	Ratio	Lower	Upper
130	100		
95	110.9	88.5	132.7
132	95.9	78.0	117.0
97	73.8	59.3	88.9





#39

1,2-Dichloropropane

Concen: 9.193 ppbv

RT: 7.62 min Scan# 1502

Delta R.T. -0.00 min

Lab File: VL034848.D

Acq: 9 Mar 2020 20:25

Instrument :

MSVOA_L

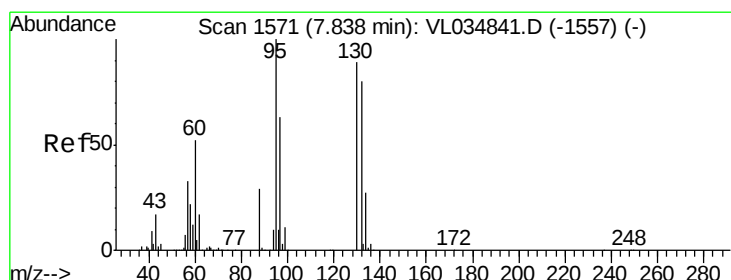
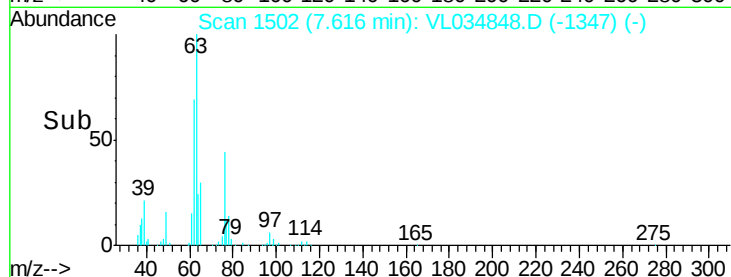
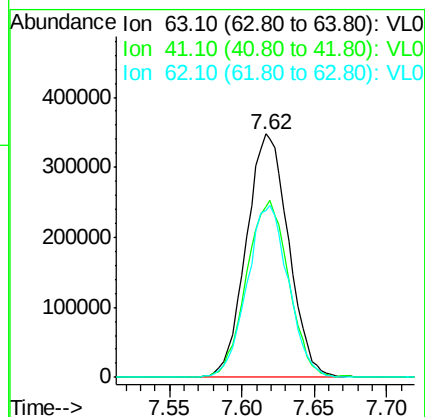
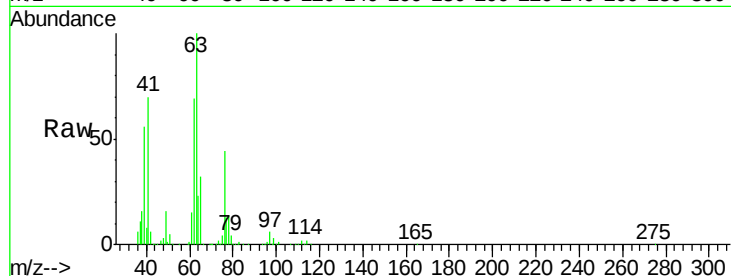
ClientSampleId :

ICVVL030920

Tot Ion:	63	Resp:	704489
Ion	Ratio	Lower	Upper
63	100		
41	69.9	59.8	89.8
62	68.7	57.6	86.4

Manual Integrations
APPROVED

MMDadoda
3/11/2020 3:26:11 PM



#40

1,4-Dioxane

Concen: 9.512 ppbv

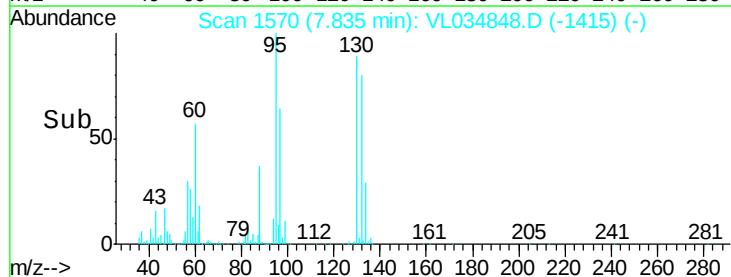
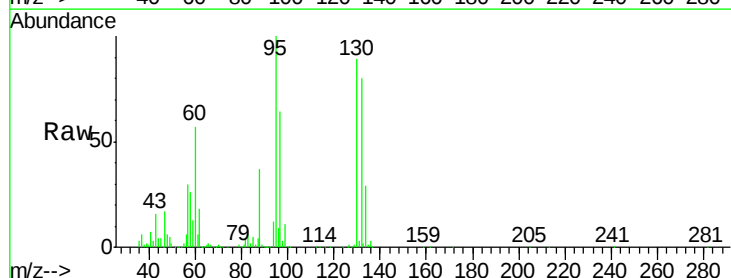
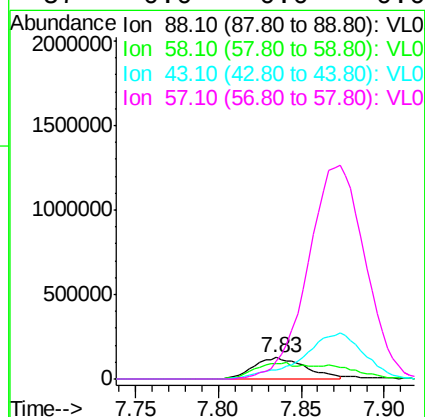
RT: 7.83 min Scan# 1570

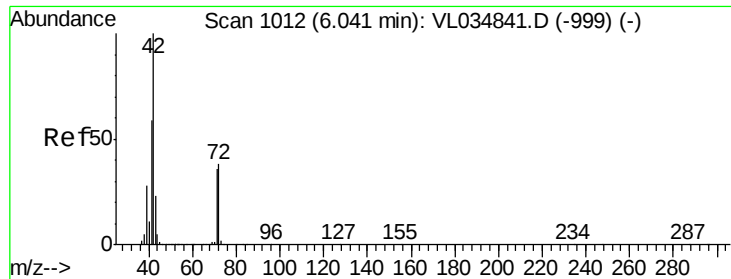
Delta R.T. -0.00 min

Lab File: VL034848.D

Acq: 9 Mar 2020 20:25

Tgt Ion:	88	Resp:	275265
Ion	Ratio	Lower	Upper
88	100		
58	129.8	103.9	155.9
43	0.0	0.0	0.0
57	0.0	0.0	0.0





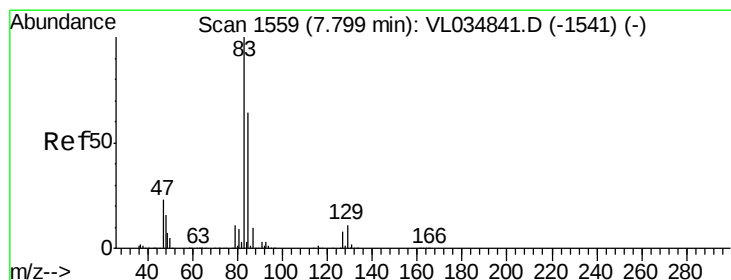
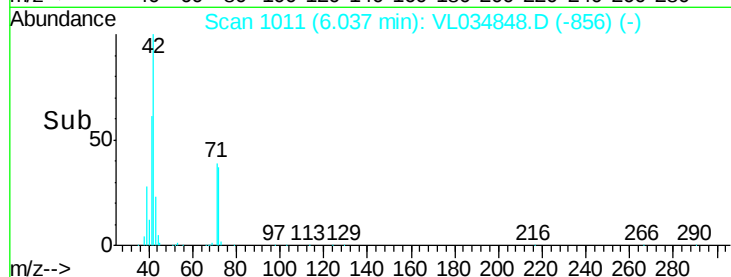
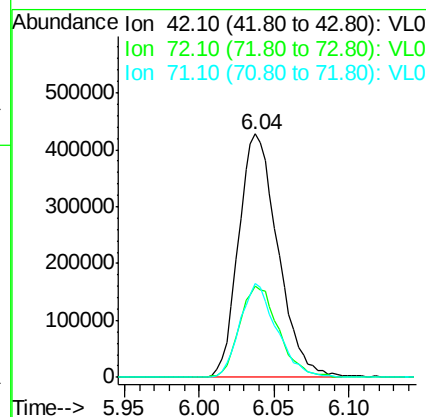
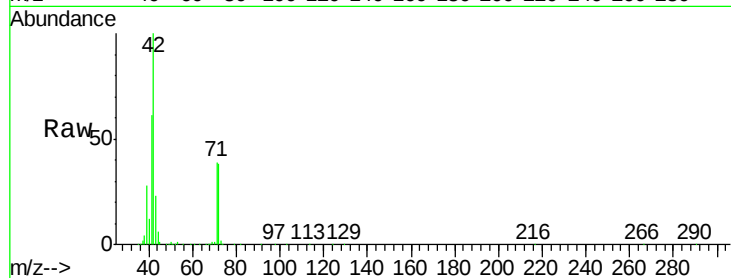
#41
Tetrahydrofuran
Concen: 10.029 ppbv
RT: 6.04 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VL034848.D
Acq: 9 Mar 2020 20:25

Instrument :
MSVOA_L
ClientSampleId :
ICVVL030920

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.3	30.8	46.2
71	36.2	30.1	45.1

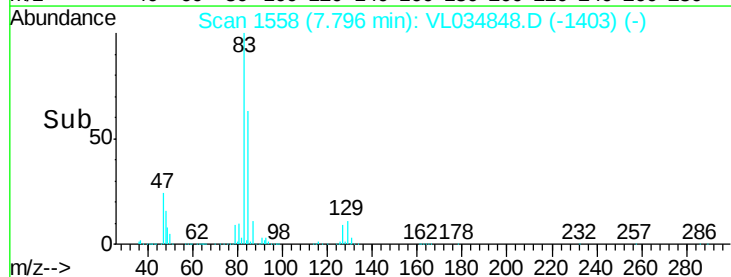
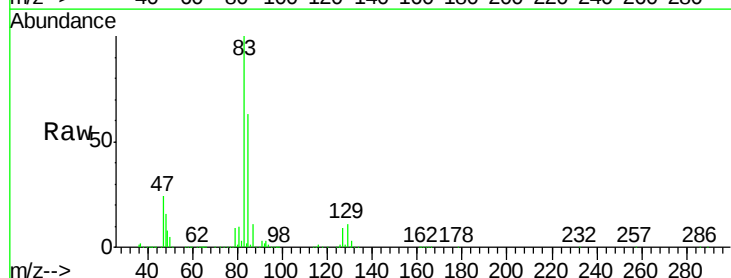
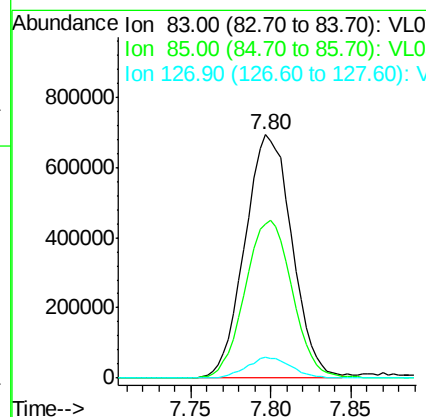
Manual Integrations
APPROVED

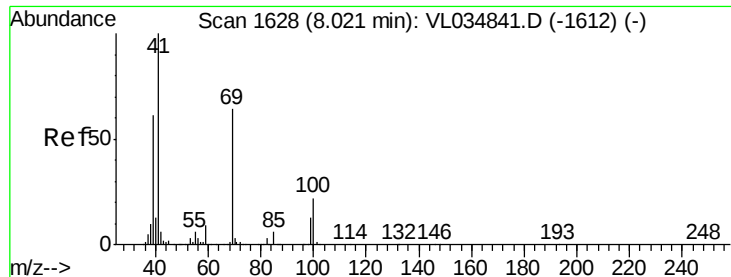
MMDadoda
3/11/2020 3:26:11 PM



#42
Bromodichloromethane
Concen: 9.389 ppbv
RT: 7.80 min Scan# 1558
Delta R.T. -0.00 min
Lab File: VL034848.D
Acq: 9 Mar 2020 20:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.0	51.4	77.2
127	8.5	6.2	9.4





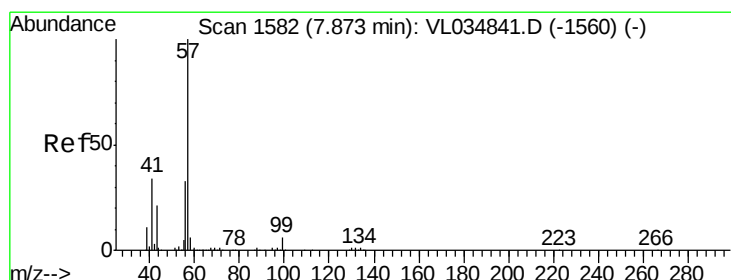
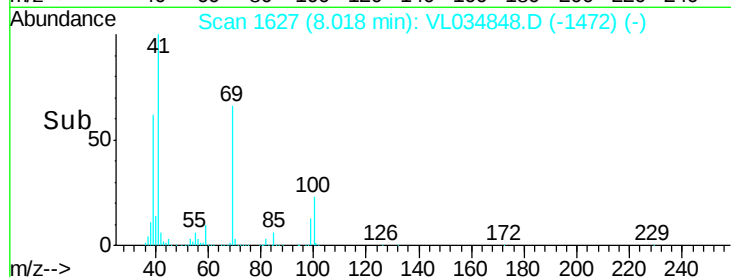
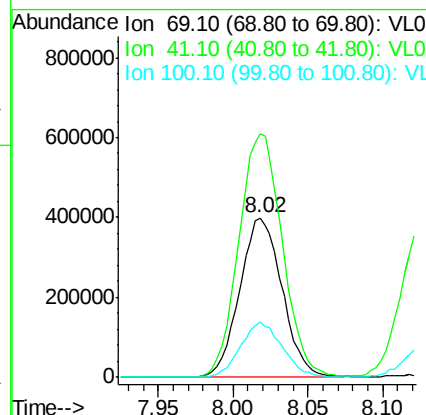
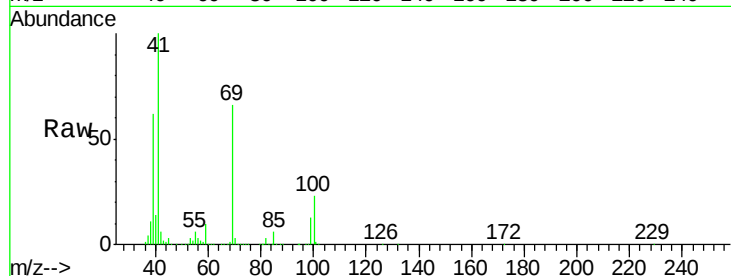
#43
Methvl Methacrilate
Concen: 9.680 ppbv
RT: 8.02 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VL034848.D
Acq: 9 Mar 2020 20:25

Instrument :
MSVOA_L
ClientSampleId :
ICVVL030920

Tot Ion	Ratio	Lower	Upper
69	100		
41	156.2	123.2	184.8
100	33.9	26.9	40.3

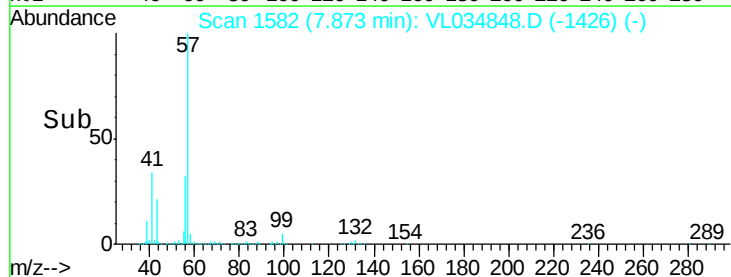
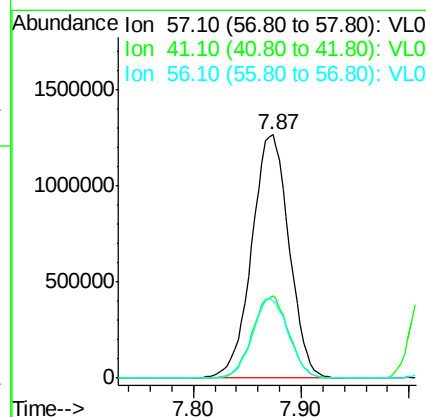
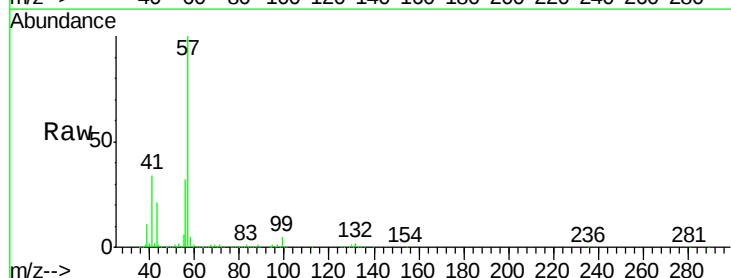
Manual Integrations
APPROVED

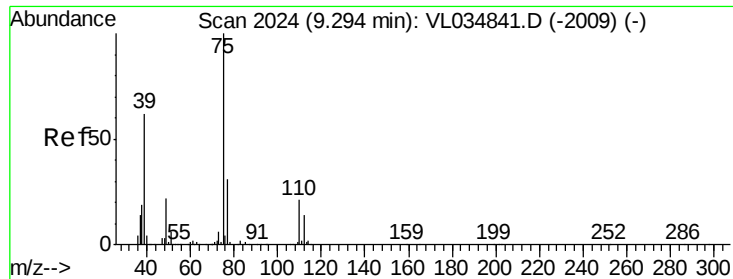
MMDadoda
3/11/2020 3:26:11 PM



#44
2,2,4-Trimethylpentane
Concen: 9.296 ppbv
RT: 7.87 min Scan# 1582
Delta R.T. 0.00 min
Lab File: VL034848.D
Acq: 9 Mar 2020 20:25

Tgt Ion	Ratio	Lower	Upper
57	100		
41	32.9	26.2	39.4
56	31.4	25.0	37.4





#45

t-1,3-Dichloropropene

Concen: 10.421 ppbv

RT: 9.29 min Scan# 2023

Delta R.T. -0.00 min

Lab File: VL034848.D

Acq: 9 Mar 2020 20:25

Instrument :

MSVOA_L

ClientSampleId :

ICVVL030920

Tot Ion: 75 Resp: 997577

Ion Ratio Lower Upper

75 100

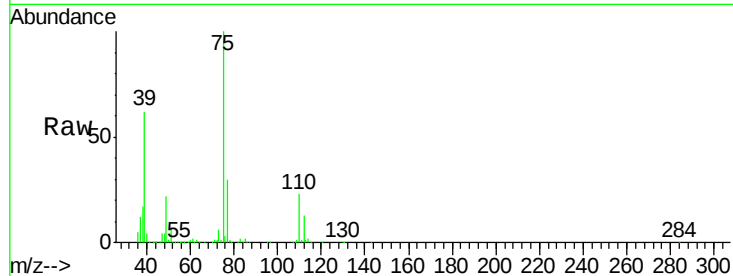
77 30.5 24.6 37.0

Manual Integrations

APPROVED

MMDadoda

3/11/2020 3:26:11 PM



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.29

500000

400000

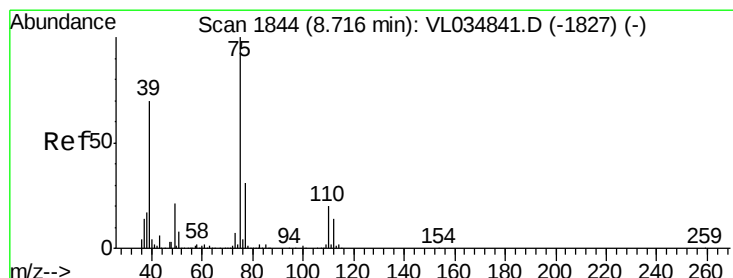
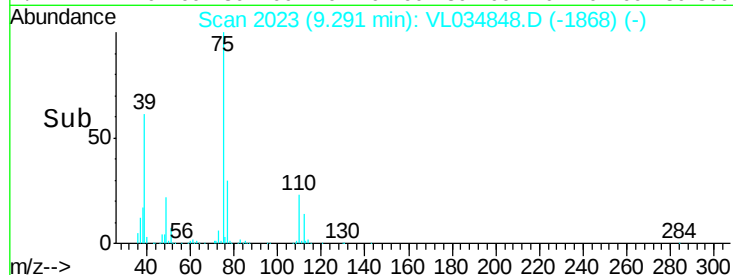
300000

200000

100000

0

Time-->



#46

cis-1,3-Dichloropropene

Concen: 10.030 ppbv

RT: 8.71 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VL034848.D

Acq: 9 Mar 2020 20:25

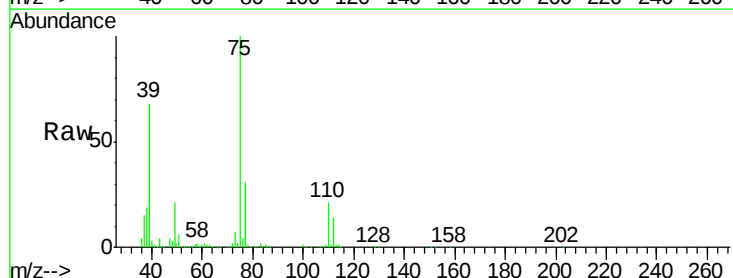
Tgt Ion: 75 Resp: 1140955

Ion Ratio Lower Upper

75 100

39 67.7 55.7 83.5

77 30.4 24.7 37.1



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

8.71

800000

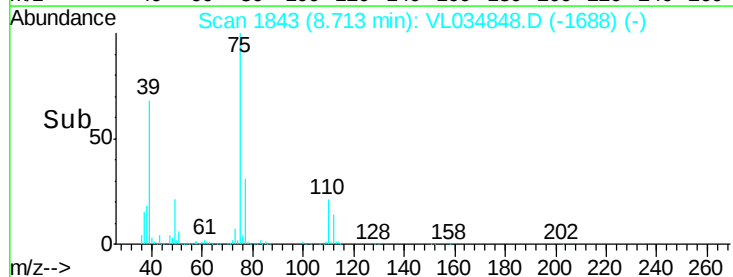
600000

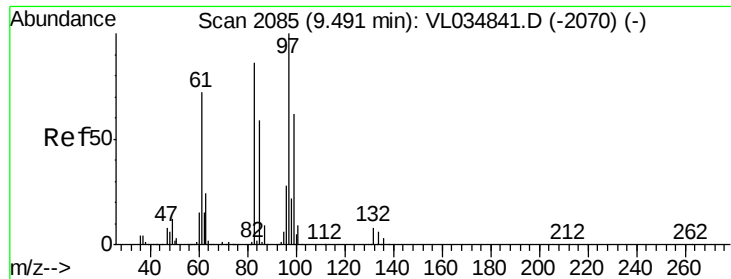
400000

200000

0

Time-->





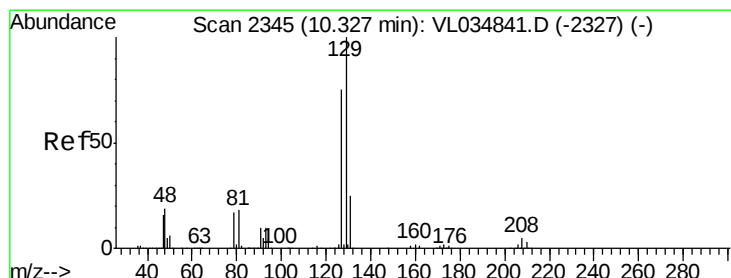
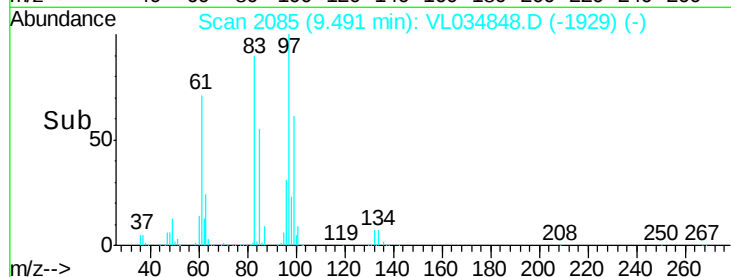
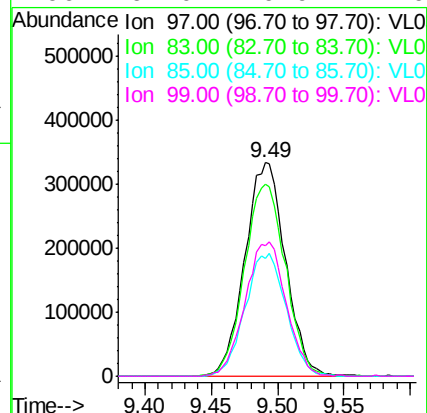
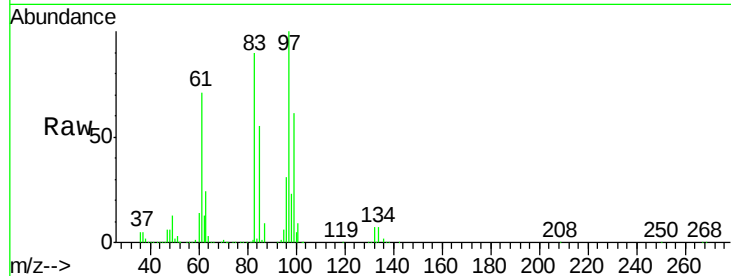
#47
 1,1,2-Trichloroethane
 Concen: 9.023 ppbv
 RT: 9.49 min Scan# 2085
 Delta R.T. 0.00 min
 Lab File: VL034848.D
 Acq: 9 Mar 2020 20:25

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL030920

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	89.8	68.6	102.8	
85	55.2	46.9	70.3	
99	61.0	49.9	74.9	

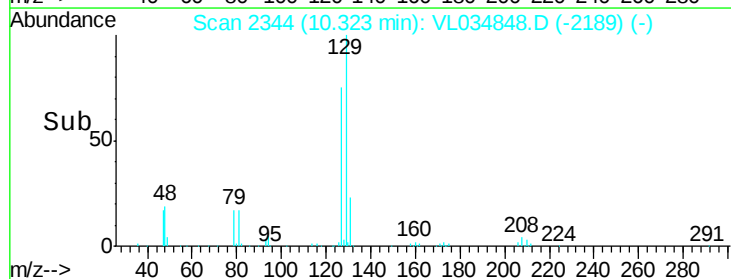
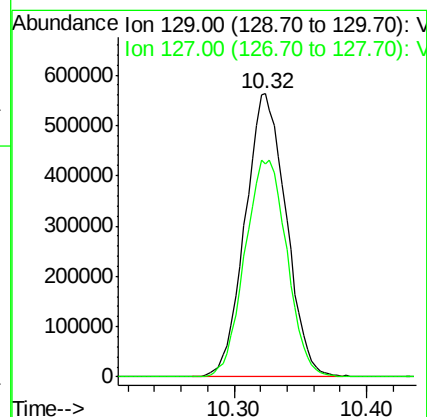
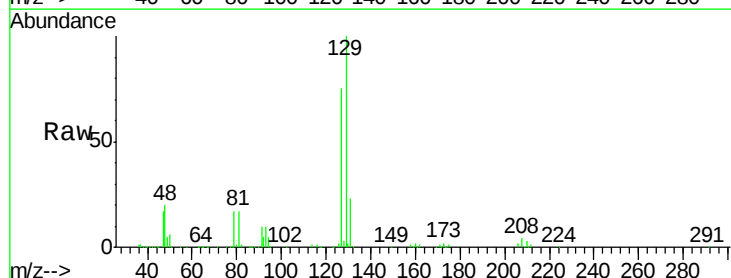
Manual Integrations
 APPROVED

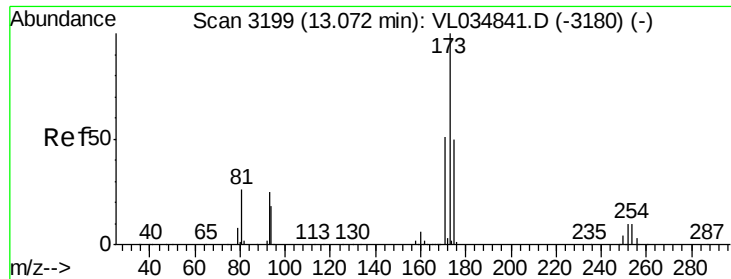
MMDadoda
 3/11/2020 3:26:11 PM



#48
 Dibromochloromethane
 Concen: 9.518 ppbv
 RT: 10.32 min Scan# 2344
 Delta R.T. -0.00 min
 Lab File: VL034848.D
 Acq: 9 Mar 2020 20:25

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	78.8	39.6	118.7	





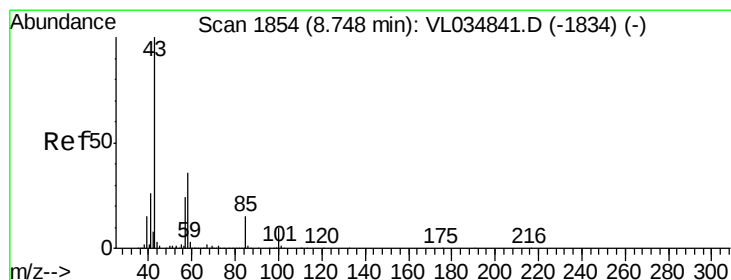
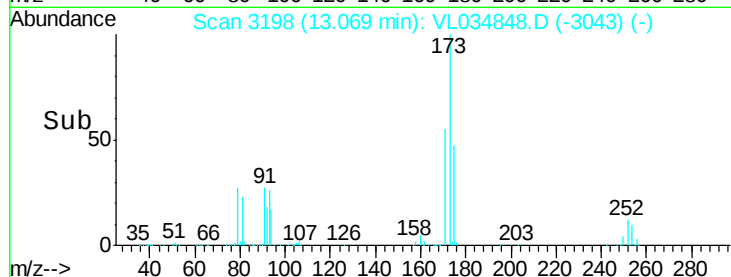
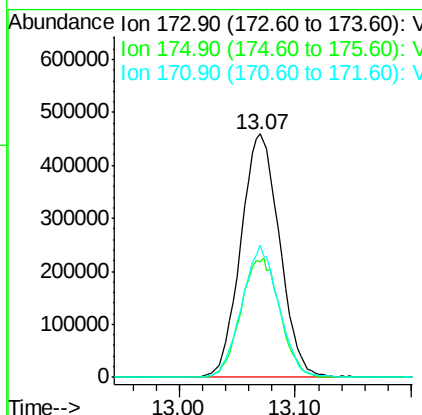
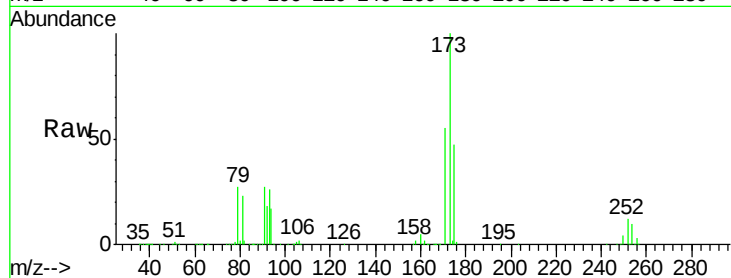
#49
Bromoform
Concen: 9.390 ppbv
RT: 13.07 min Scan# 3198
Delta R.T. -0.00 min
Lab File: VL034848.D
Acq: 9 Mar 2020 20:25

Instrument :
MSVOA_L
ClientSampleId :
ICVVL030920

Tot Ion:173 Resp: 1066301
Ion Ratio Lower Upper
173 100
175 49.5 39.6 59.4
171 51.9 41.0 61.6

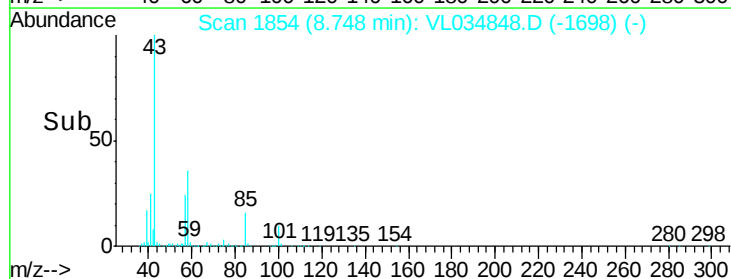
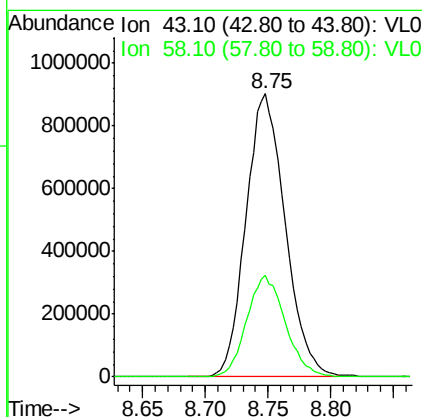
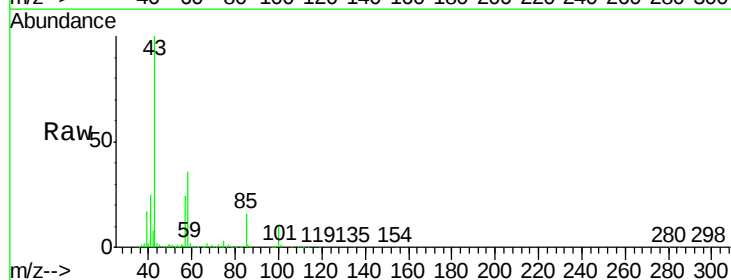
Manual Integrations
APPROVED

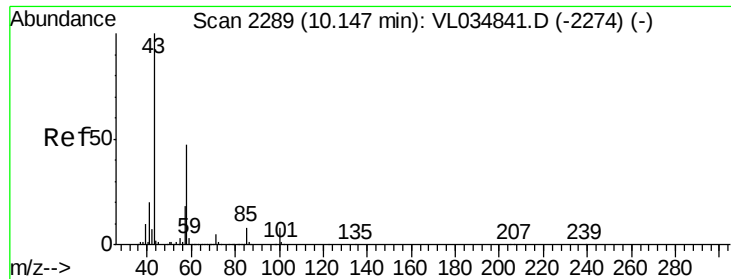
MMDadoda
3/11/2020 3:26:11 PM



#50
4-Methyl-2-Pentanone
Concen: 9.472 ppbv
RT: 8.75 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VL034848.D
Acq: 9 Mar 2020 20:25

Tgt Ion: 43 Resp: 1966089
Ion Ratio Lower Upper
43 100
58 35.2 28.6 42.8





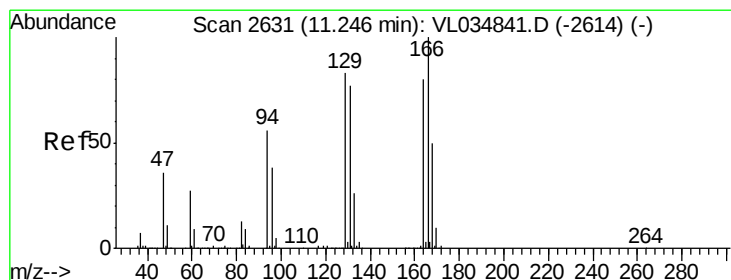
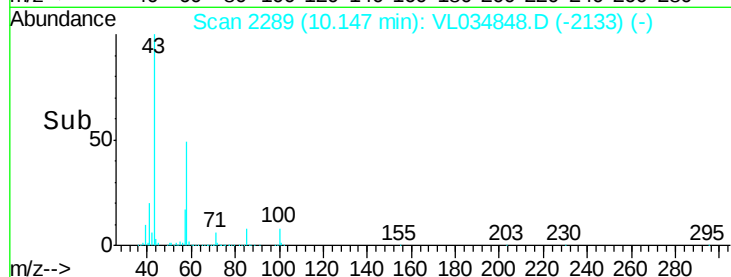
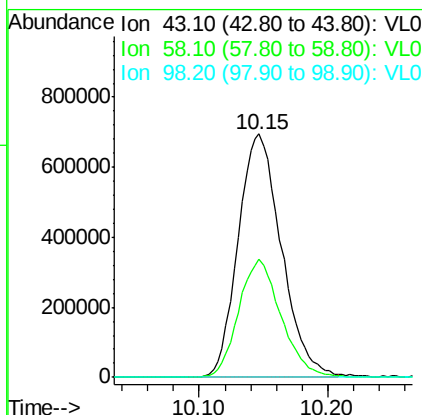
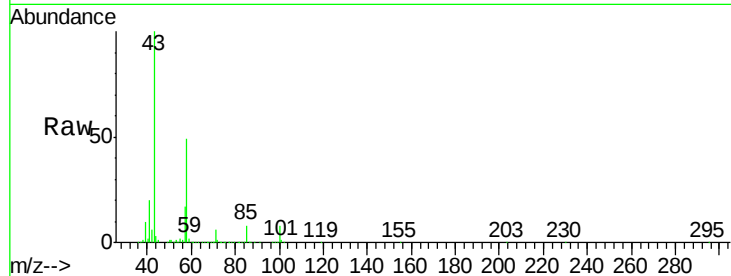
#51
2-Hexanone
Concen: 9.602 ppbv
RT: 10.15 min Scan# 2289
Delta R.T. 0.00 min
Lab File: VL034848.D
Acq: 9 Mar 2020 20:25

Instrument :
MSVOA_L
ClientSampleId :
ICVVL030920

Tot Ion: 43 Resp: 1619783
Ion Ratio Lower Upper
43 100
58 47.5 38.6 58.0
98 0.1 0.1 0.1

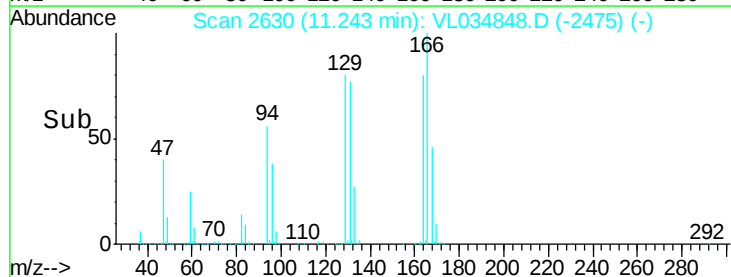
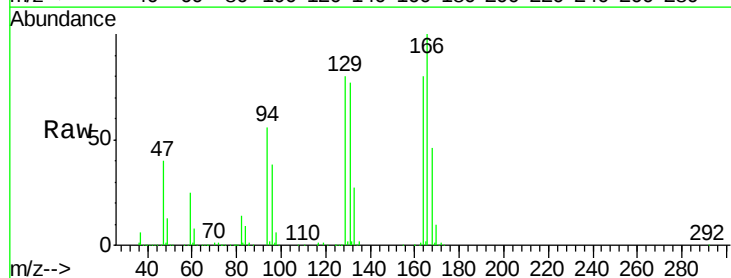
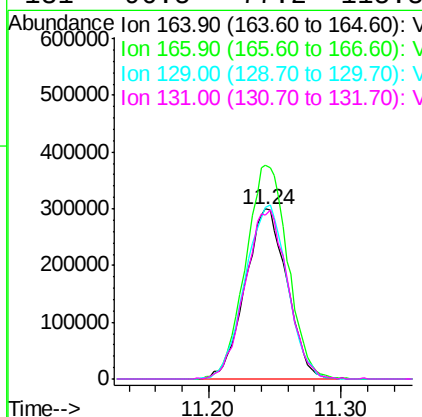
Manual Integrations
APPROVED

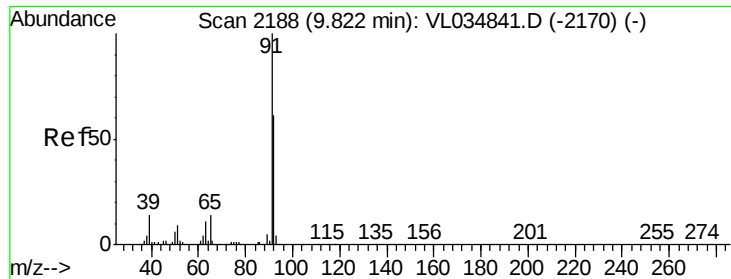
MMDadoda
3/11/2020 3:26:11 PM



#52
Tetrachloroethene
Concen: 8.600 ppbv
RT: 11.24 min Scan# 2630
Delta R.T. -0.00 min
Lab File: VL034848.D
Acq: 9 Mar 2020 20:25

Tgt Ion: 164 Resp: 658018
Ion Ratio Lower Upper
164 100
166 125.6 100.0 150.0
129 100.8 83.1 124.7
131 96.5 77.2 115.8





#53

Toluene

Concen: 9.233 ppbv

RT: 9.82 min Scan# 2188

Delta R.T. 0.00 min

Lab File: VL034848.D

Acq: 9 Mar 2020 20:25

Instrument :

MSVOA_L

ClientSampleId :

ICVVL030920

Tot Ion: 91 Resp: 2062248

Ion Ratio Lower Upper

91 100

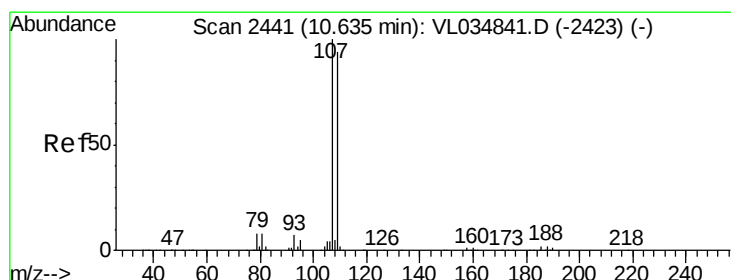
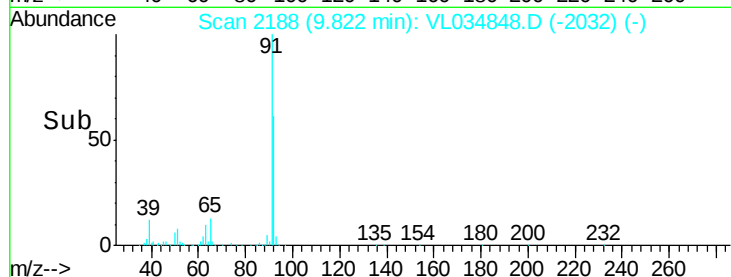
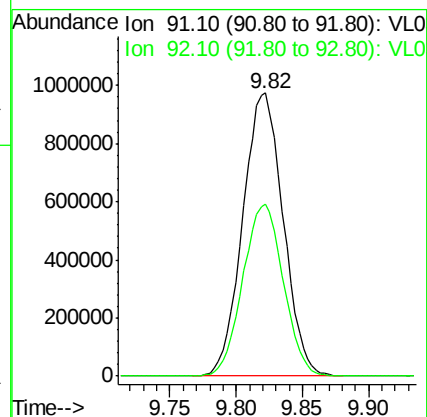
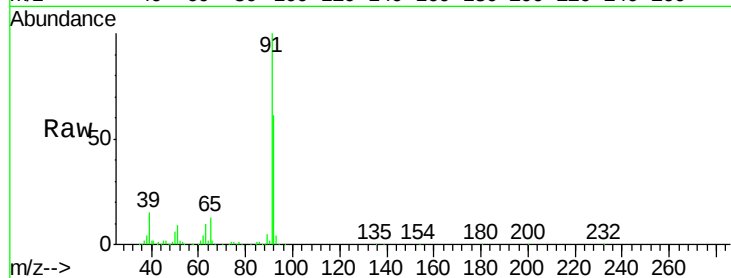
92 61.1 48.6 72.8

Manual Integrations

APPROVED

MMDadoda

3/11/2020 3:26:11 PM



#54

1,2-Dibromoethane

Concen: 9.289 ppbv

RT: 10.63 min Scan# 2440

Delta R.T. -0.00 min

Lab File: VL034848.D

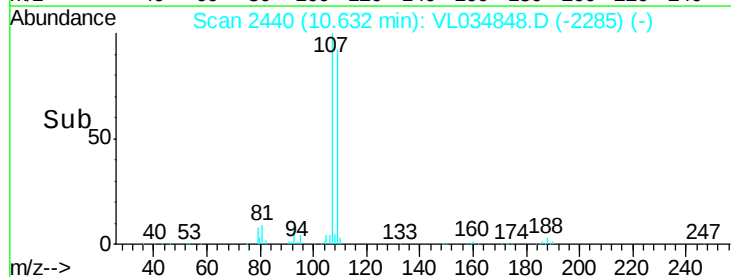
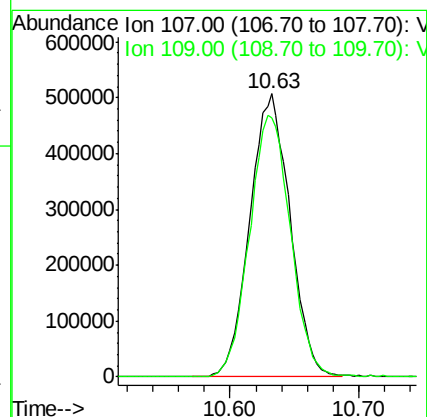
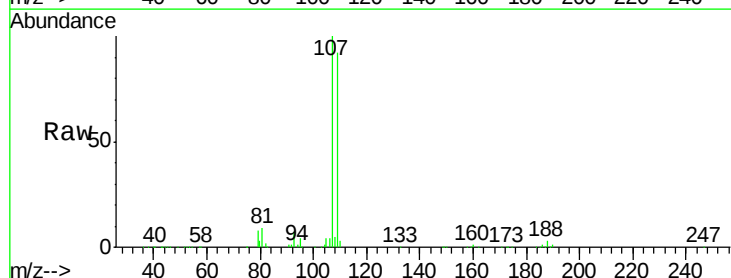
Acq: 9 Mar 2020 20:25

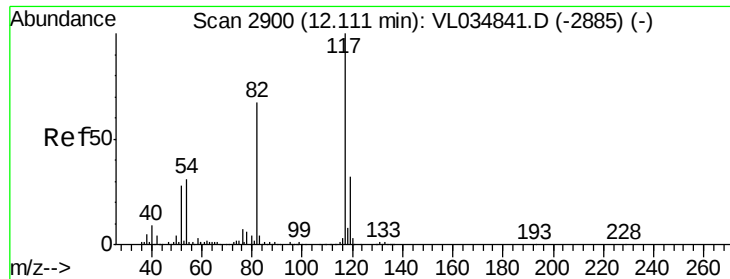
Tgt Ion: 107 Resp: 1099640

Ion Ratio Lower Upper

107 100

109 91.6 74.9 112.3





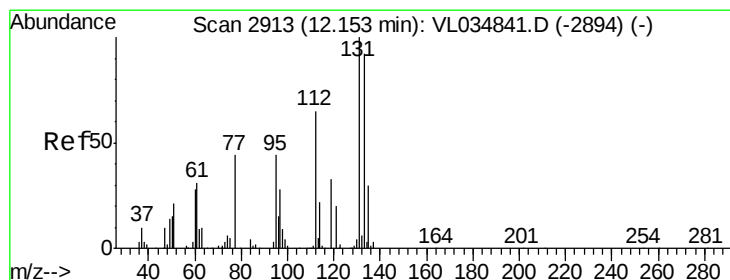
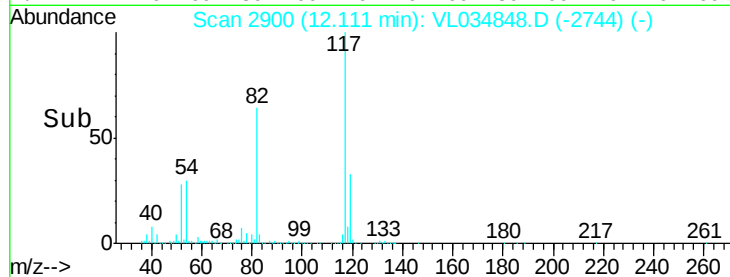
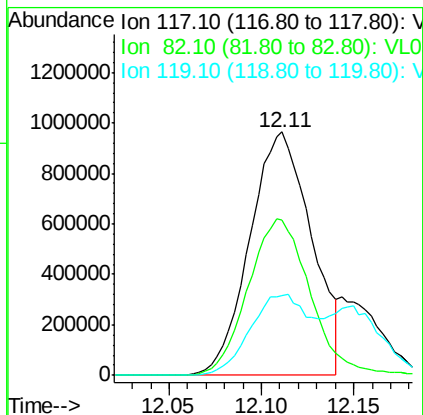
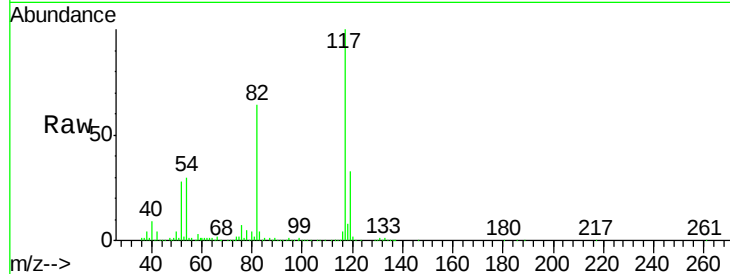
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.11 min Scan# 2900
Delta R.T. 0.00 min
Lab File: VL034848.D
Acq: 9 Mar 2020 20:25

Instrument :
MSVOA_L
ClientSampleId :
ICVVL030920

Tot Ion:117 Resp: 2243913
Ion Ratio Lower Upper
117 100
82 65.0 51.1 76.7
119 33.7 27.3 40.9

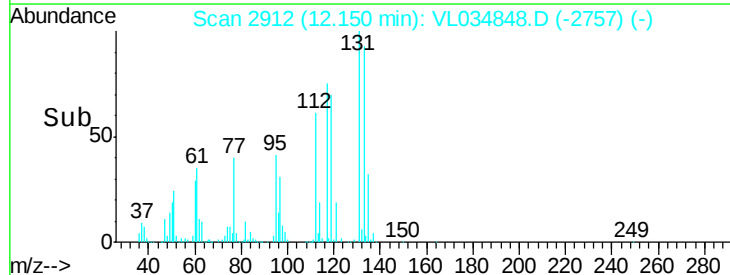
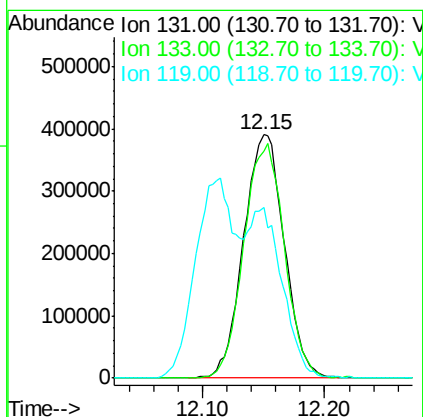
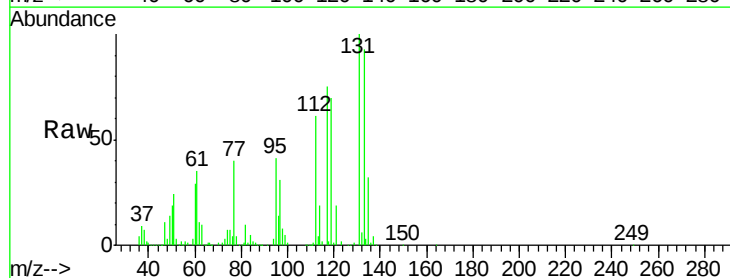
Manual Integrations
APPROVED

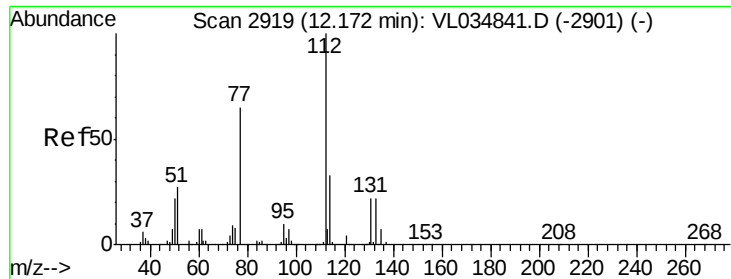
MMDadoda
3/11/2020 3:26:11 PM



#56
1,1,1,2-Tetrachloroethane
Concen: 8.934 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. -0.00 min
Lab File: VL034848.D
Acq: 9 Mar 2020 20:25

Tgt Ion:131 Resp: 900549
Ion Ratio Lower Upper
131 100
133 96.2 76.0 114.0
119 142.3 47.8 71.8#





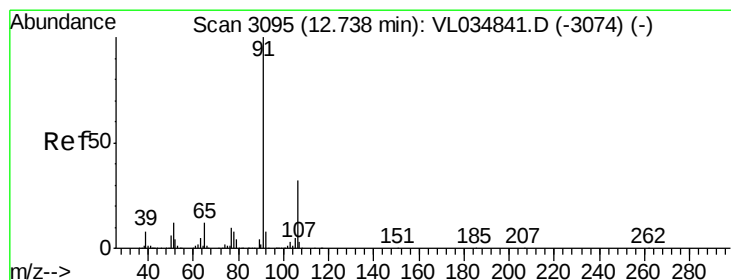
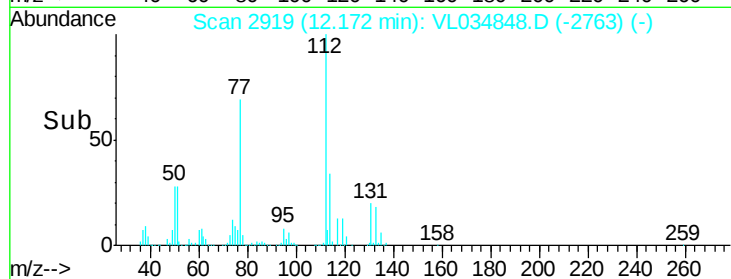
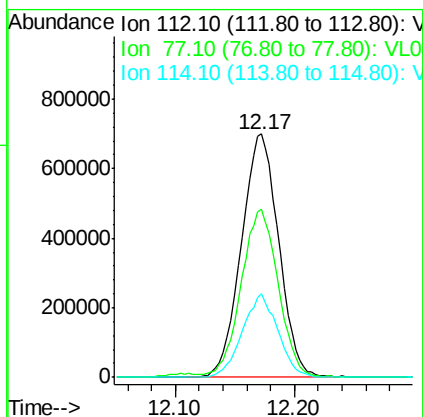
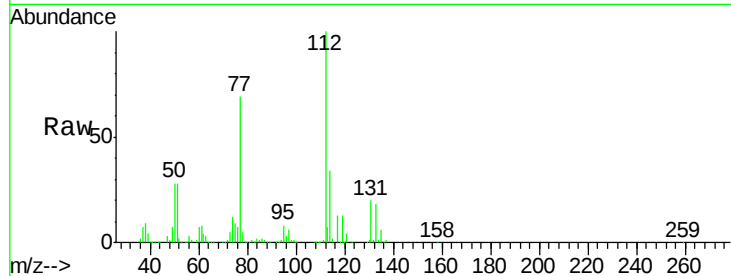
#57
Chlorobenzene
Concen: 8.654 ppbv
RT: 12.17 min Scan# 2919
Delta R.T. 0.00 min
Lab File: VL034848.D
Acq: 9 Mar 2020 20:25

Instrument :
MSVOA_L
ClientSampleId :
ICVVL030920

Tot Ion	Ratio	Lower	Upper
112	100		
77	68.9	53.0	79.6
114	34.3	29.5	36.1

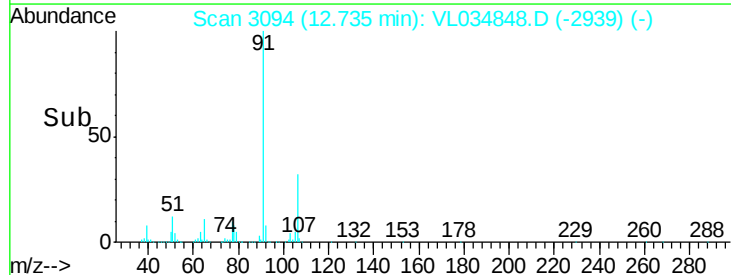
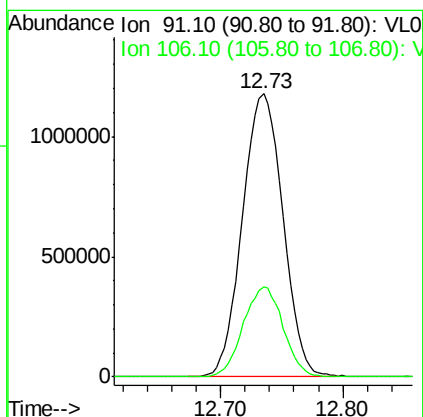
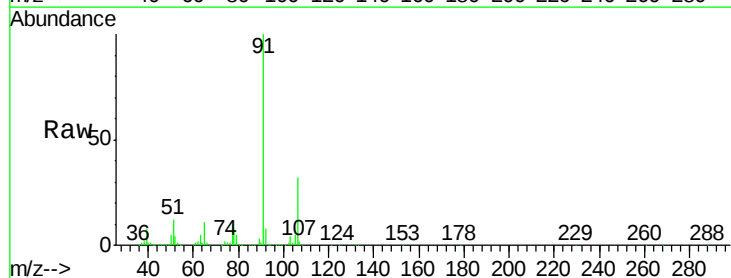
Manual Integrations
APPROVED

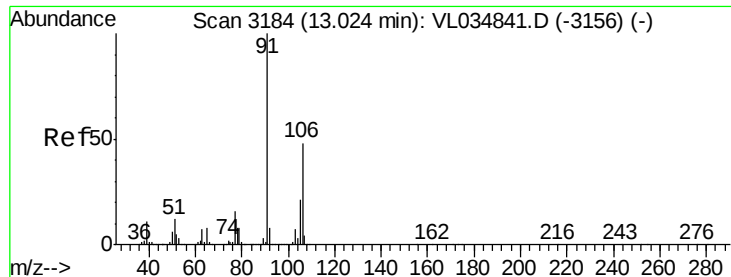
MMDadoda
3/11/2020 3:26:11 PM



#58
Ethyl Benzene
Concen: 8.911 ppbv
RT: 12.73 min Scan# 3094
Delta R.T. -0.00 min
Lab File: VL034848.D
Acq: 9 Mar 2020 20:25

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.8	25.8	38.6





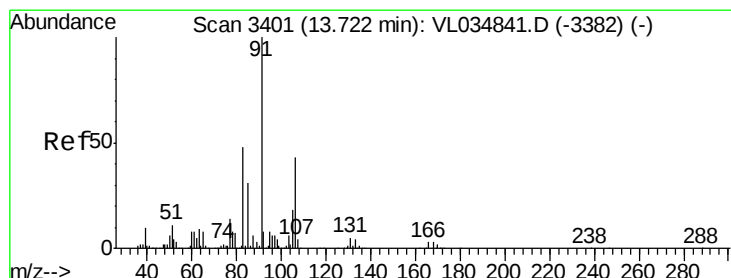
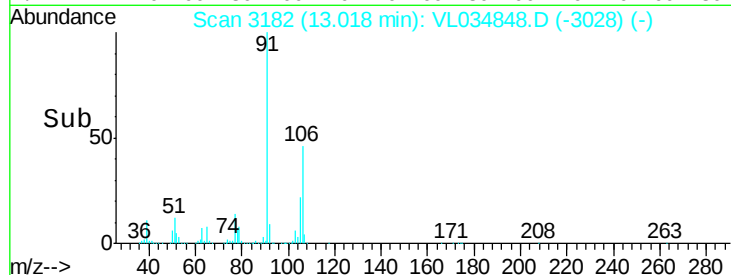
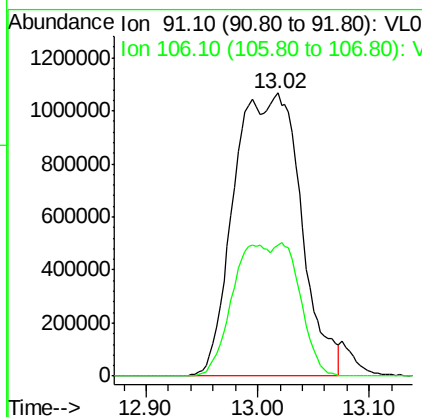
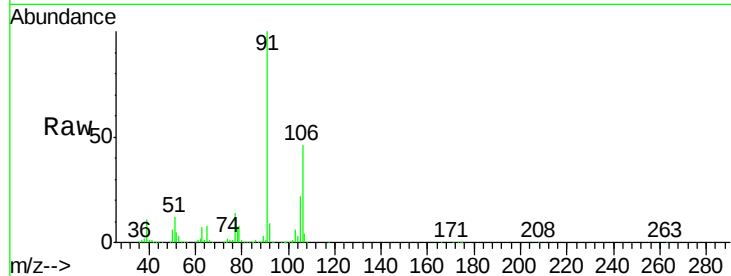
#59
m/p-Xylene
Concen: 17.361 ppbv m
RT: 13.02 min Scan# 3182
Delta R.T. -0.01 min
Lab File: VL034848.D
Acq: 9 Mar 2020 20:25

Instrument :
MSVOA_L
ClientSampleId :
ICVVL030920

Tot Ion: 91 Resp: 4419773
Ion Ratio Lower Upper
91 100
106 46.0 37.1 55.7

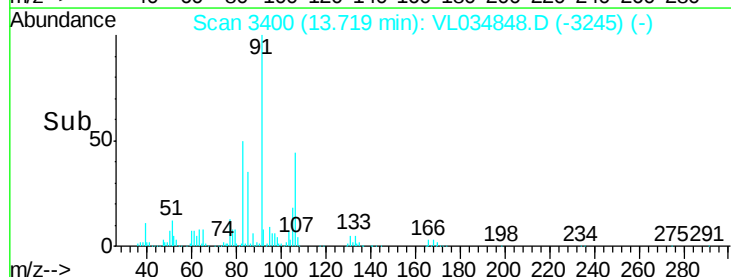
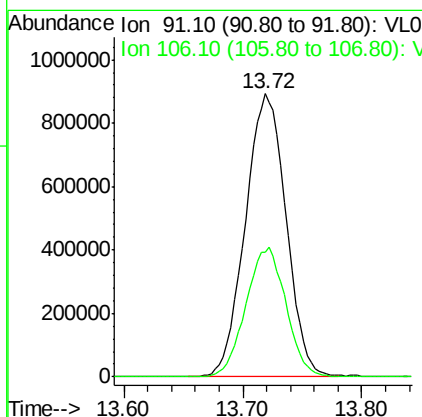
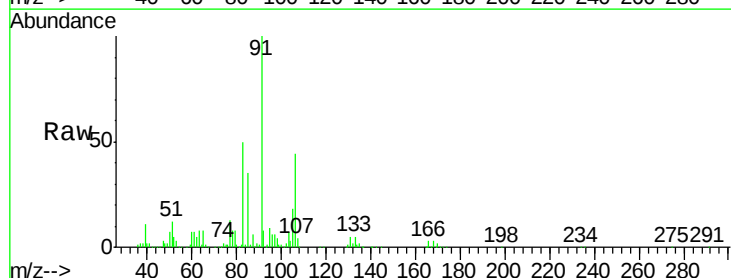
Manual Integrations
APPROVED

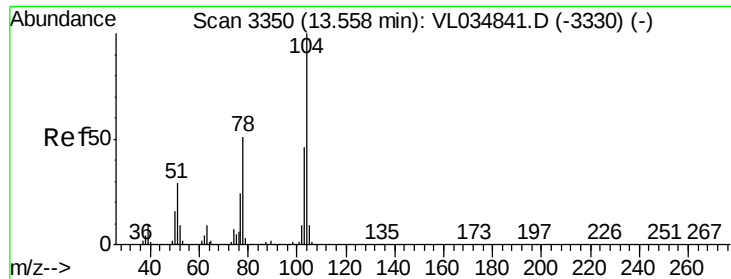
MMDadoda
3/11/2020 3:26:11 PM



#60
o-Xylene
Concen: 8.508 ppbv
RT: 13.72 min Scan# 3400
Delta R.T. -0.00 min
Lab File: VL034848.D
Acq: 9 Mar 2020 20:25

Tgt Ion: 91 Resp: 2114815
Ion Ratio Lower Upper
91 100
106 45.1 22.5 67.5





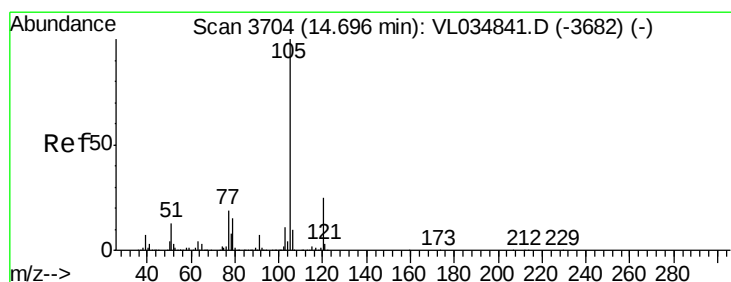
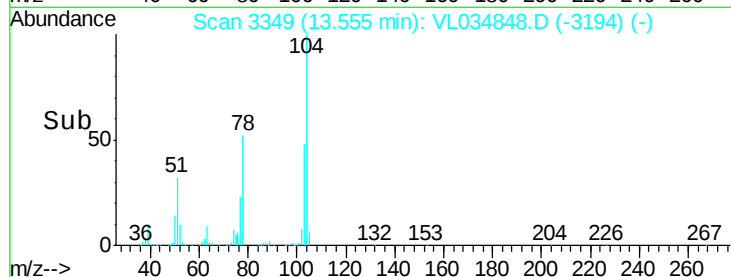
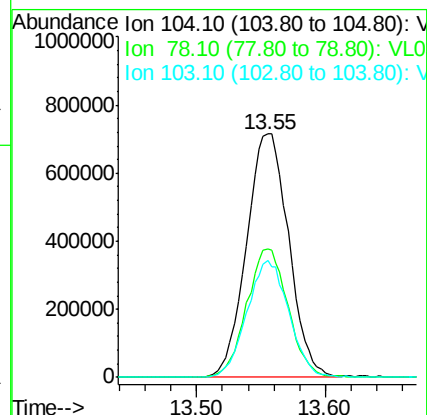
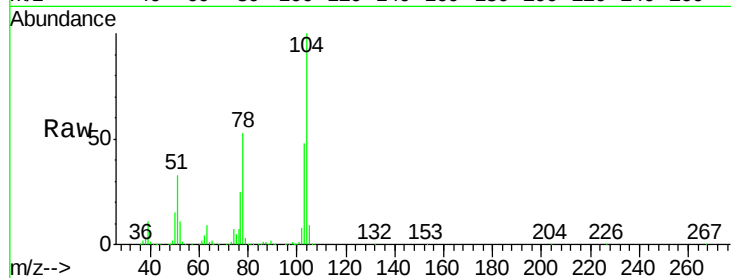
#61
Stvrene
Concen: 9.348 ppbv
RT: 13.55 min Scan# 3349
Delta R.T. -0.00 min
Lab File: VL034848.D
Acq: 9 Mar 2020 20:25

Instrument :
MSVOA_L
ClientSampleId :
ICVVL030920

Tot Ion	Ratio	Lower	Upper
104	100		
78	51.9	41.8	62.6
103	47.6	37.8	56.6

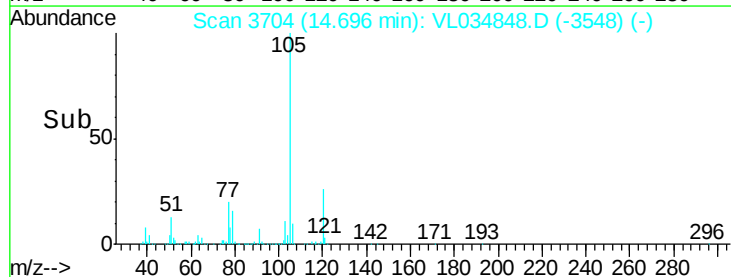
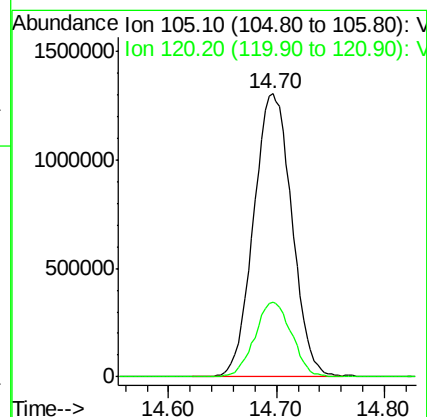
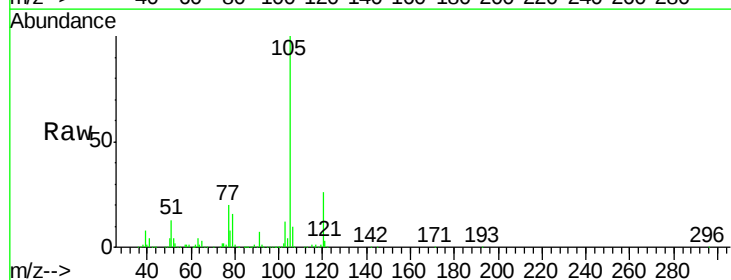
Manual Integrations
APPROVED

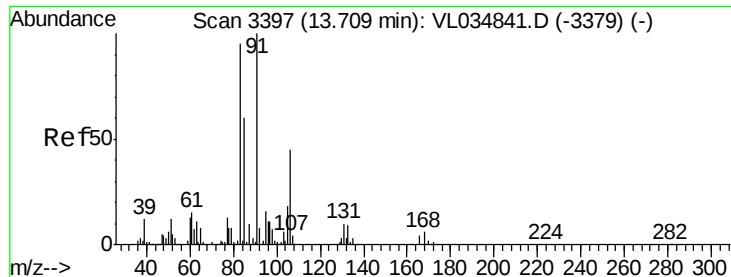
MMDadoda
3/11/2020 3:26:11 PM



#62
Isopropylbenzene
Concen: 8.526 ppbv
RT: 14.70 min Scan# 3704
Delta R.T. 0.00 min
Lab File: VL034848.D
Acq: 9 Mar 2020 20:25

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.7	21.0	31.4





#63

1,1,2,2-Tetrachloroethane

Concen: 8.581 ppbv

RT: 13.71 min Scan# 3396

Delta R.T. -0.00 min

Lab File: VL034848.D

Acq: 9 Mar 2020 20:25

Instrument :

MSVOA_L

ClientSampleId :

ICVVL030920

Tot Ion: 83 Resp: 1448081

Ion Ratio Lower Upper

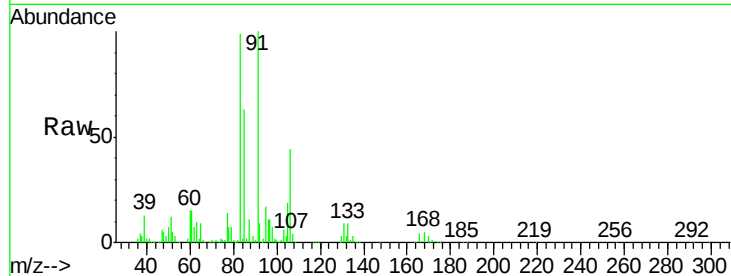
83 100

131 9.6 5.0 14.9

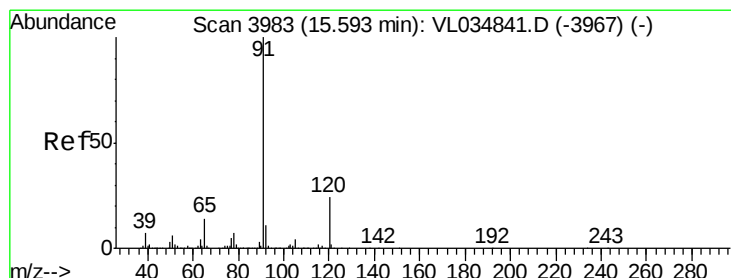
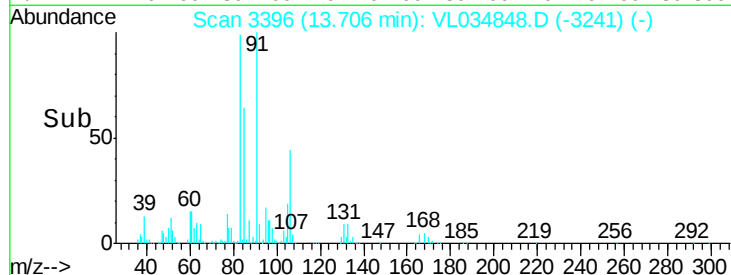
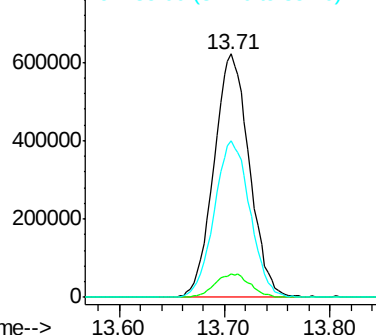
85 65.4 32.4 97.2

Manual Integrations
APPROVED

MMDadoda
3/11/2020 3:26:11 PM



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 131.00 (130.70 to 131.70): V
Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 8.627 ppbv

RT: 15.59 min Scan# 3983

Delta R.T. 0.00 min

Lab File: VL034848.D

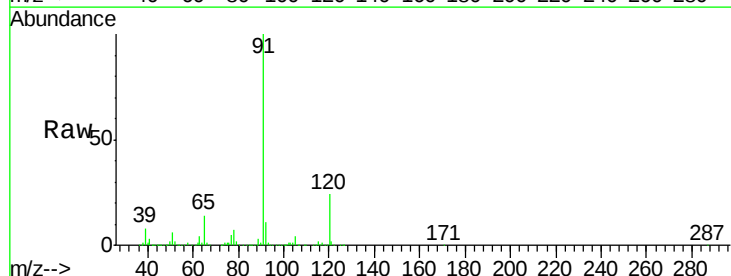
Acq: 9 Mar 2020 20:25

Tgt Ion:120 Resp: 843903

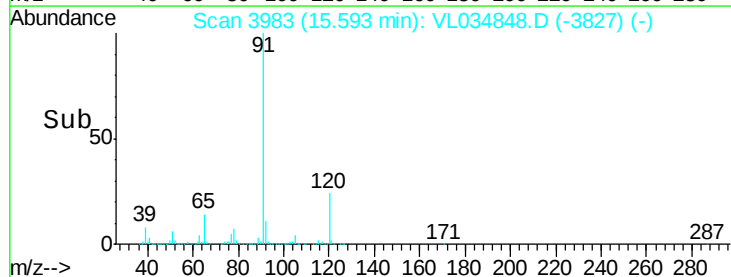
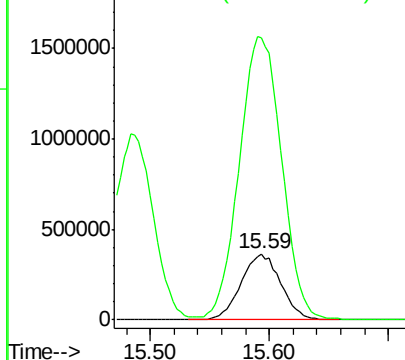
Ion Ratio Lower Upper

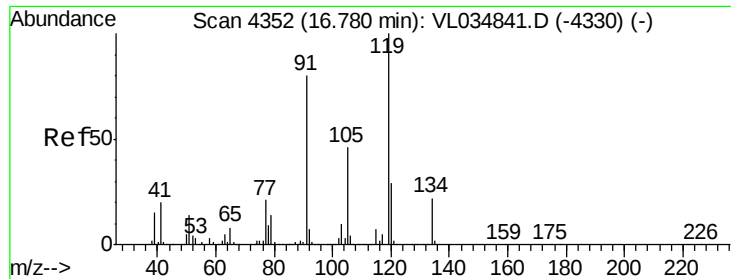
120 100

91 457.1 360.9 541.3



Abundance Ion 120.20 (119.90 to 120.90): V
Ion 91.10 (90.80 to 91.80): VL0





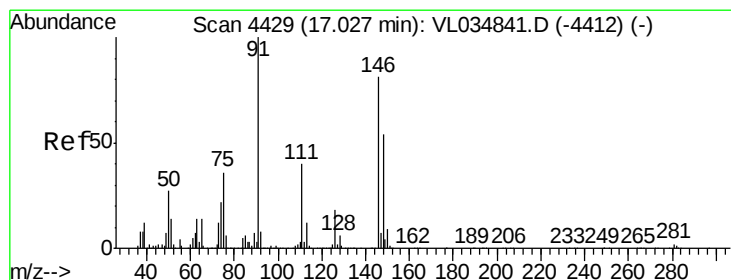
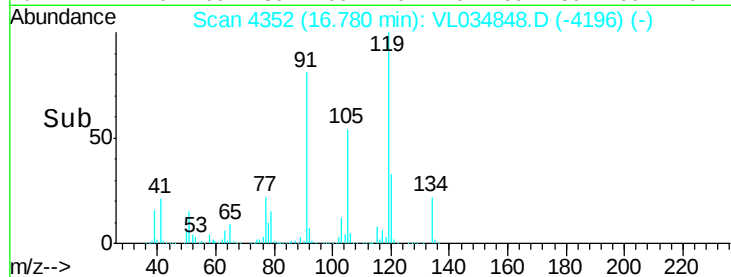
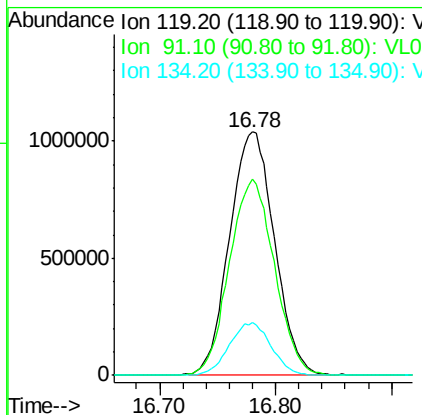
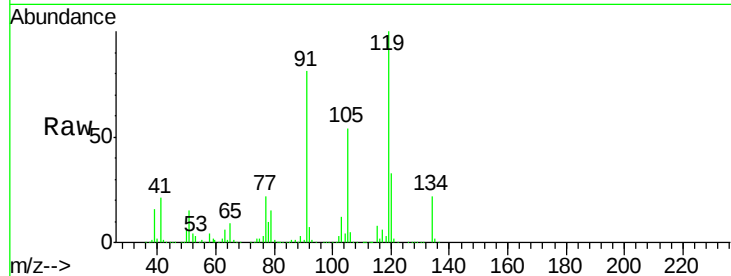
#65
tert-Butylbenzene
Concen: 8.453 ppbv
RT: 16.78 min Scan# 4352
Delta R.T. 0.00 min
Lab File: VL034848.D
Acq: 9 Mar 2020 20:25

Instrument :
MSVOA_L
ClientSampleId :
ICVVL030920

Tot Ion	Ratio	Lower	Upper
119	100		
91	81.4	64.9	97.3
134	20.4	15.9	23.9

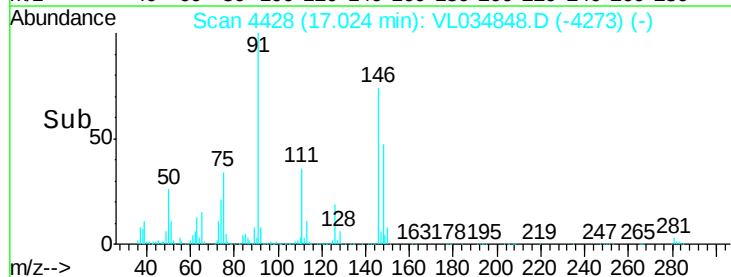
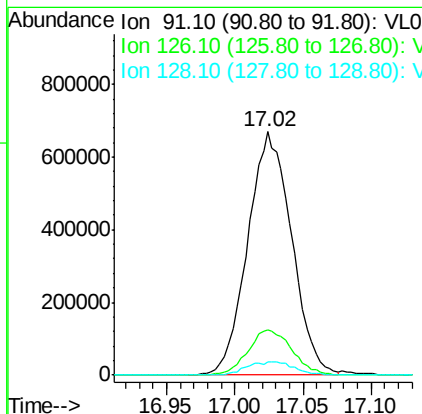
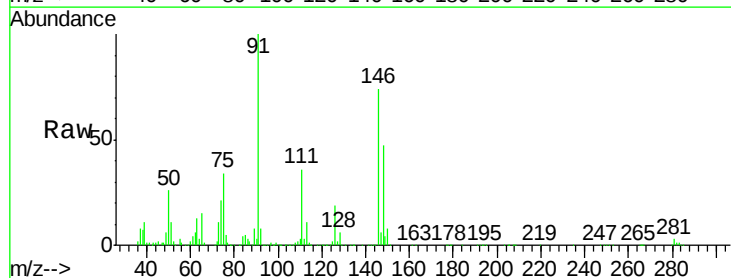
Manual Integrations
APPROVED

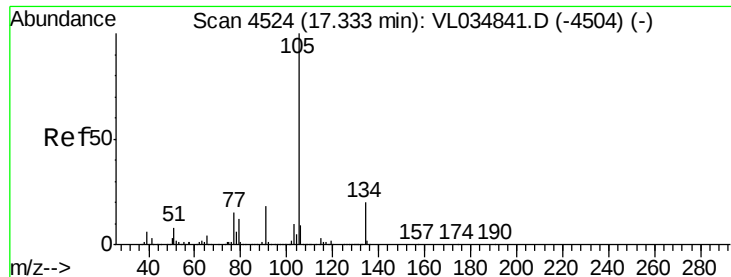
MMDadoda
3/11/2020 3:26:11 PM



#66
Benzyl Chloride
Concen: 10.857 ppbv
RT: 17.02 min Scan# 4428
Delta R.T. -0.00 min
Lab File: VL034848.D
Acq: 9 Mar 2020 20:25

Tgt Ion	Ratio	Lower	Upper
91	100		
126	18.8	14.7	22.1
128	5.9	4.7	7.1





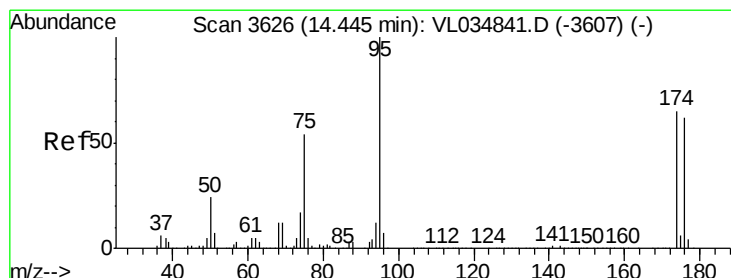
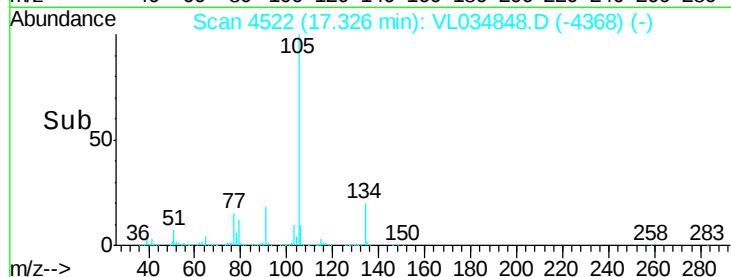
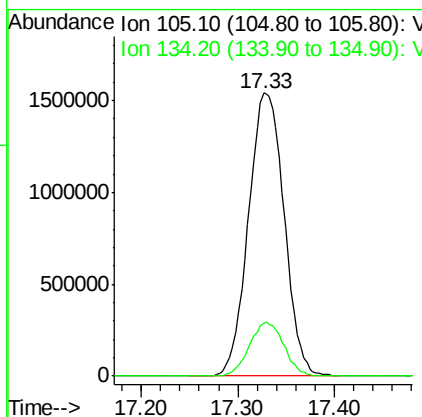
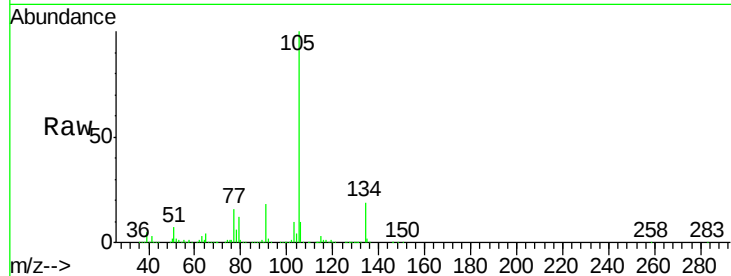
#67
 sec-Butylbenzene
 Concen: 8.665 ppbv
 RT: 17.33 min Scan# 4522
 Delta R.T. -0.01 min
 Lab File: VL034848.D
 Acq: 9 Mar 2020 20:25

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL030920

Tot Ion:105 Resp: 3947554
 Ion Ratio Lower Upper
 105 100
 134 18.4 15.0 22.6

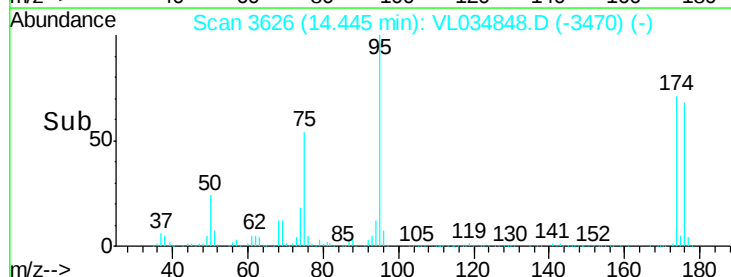
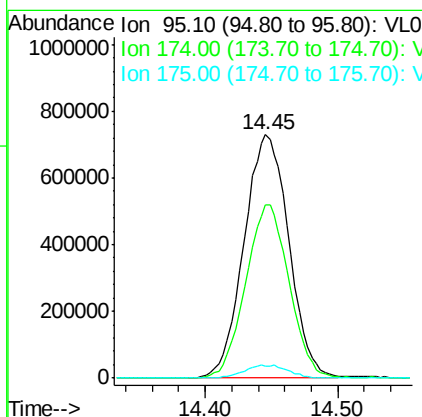
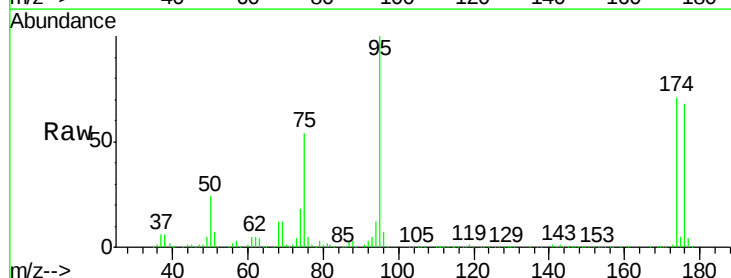
Manual Integrations
 APPROVED

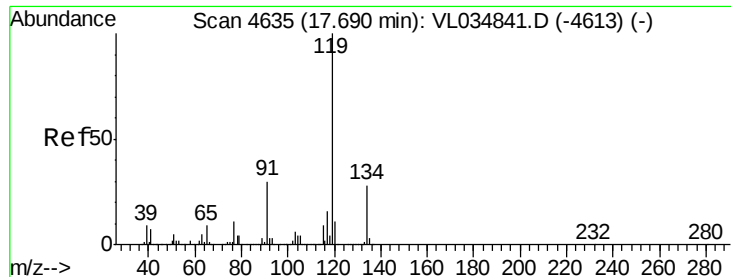
MMDadoda
 3/11/2020 3:26:11 PM



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.773 ppbv
 RT: 14.45 min Scan# 3626
 Delta R.T. 0.00 min
 Lab File: VL034848.D
 Acq: 9 Mar 2020 20:25

Tgt Ion: 95 Resp: 1710209
 Ion Ratio Lower Upper
 95 100
 174 69.7 55.2 82.8
 175 5.4 4.3 6.5





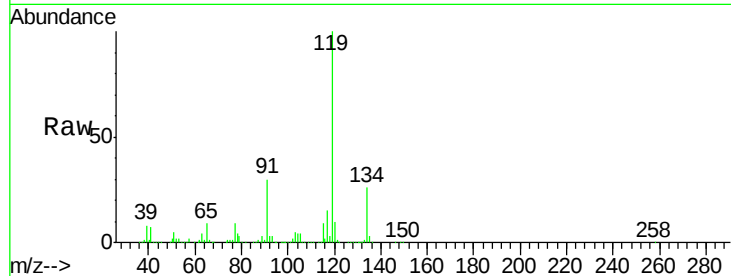
#69
p-Isopropyltoluene
Concen: 8.781 ppbv
RT: 17.69 min Scan# 4634
Delta R.T. -0.00 min
Lab File: VL034848.D
Acq: 9 Mar 2020 20:25

Instrument :
MSVOA_L
ClientSampleId :
ICVVL030920

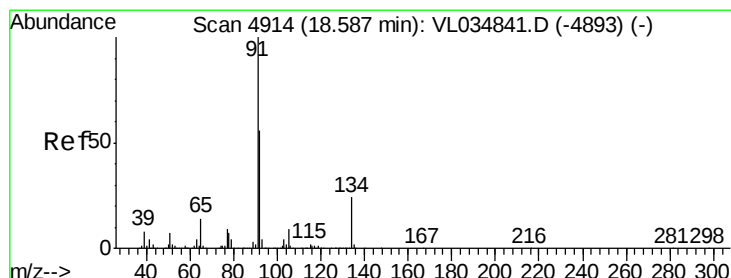
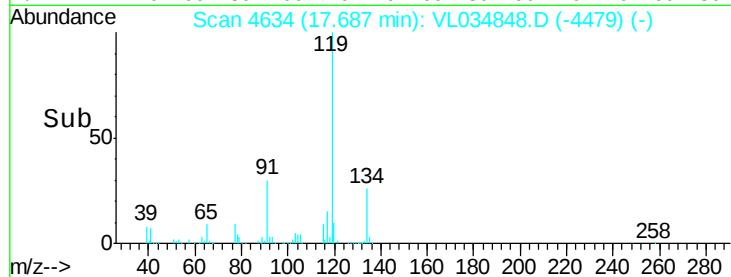
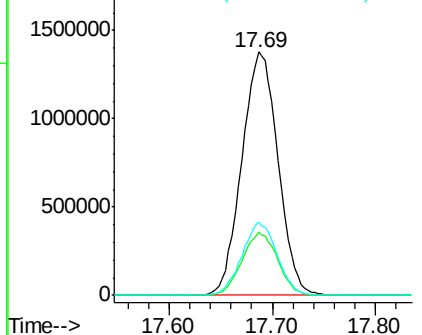
Tot Ion	Ratio	Lower	Upper
119	100		
134	25.4	20.6	30.8
91	29.3	23.4	35.2

Manual Integrations
APPROVED

MMDadoda
3/11/2020 3:26:11 PM

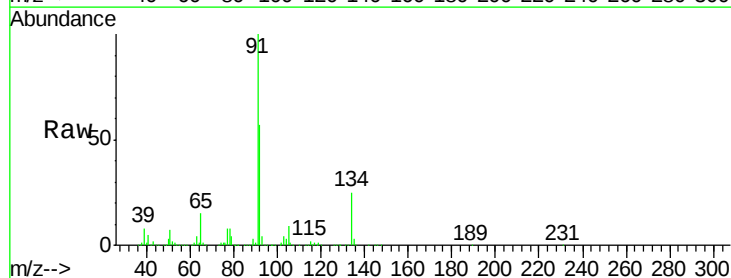


Abundance Ion 119.10 (118.80 to 119.80): V
Ion 134.20 (133.90 to 134.90): V
Ion 91.10 (90.80 to 91.80): V

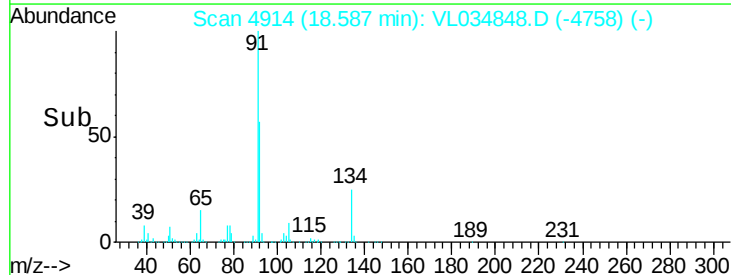
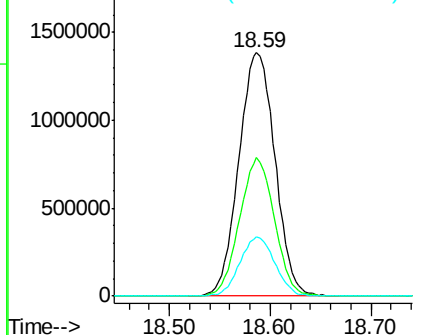


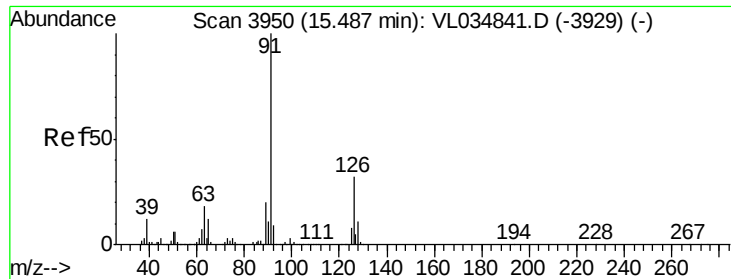
#70
n-Butylbenzene
Concen: 8.807 ppbv
RT: 18.59 min Scan# 4914
Delta R.T. 0.00 min
Lab File: VL034848.D
Acq: 9 Mar 2020 20:25

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.9	43.8	65.6
134	23.6	19.0	28.4



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





#71

2-Chlorotoluene

Concen: 8.551 ppbv

RT: 15.48 min Scan# 3949

Delta R.T. -0.00 min

Lab File: VL034848.D

Acq: 9 Mar 2020 20:25

Instrument :

MSVOA_L

ClientSampleId :

ICVVL030920

Tot Ion: 91 Resp: 2434007

Ion Ratio Lower Upper

91 100

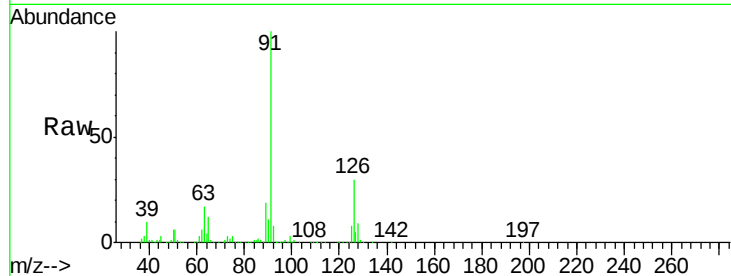
126 30.8 12.3 49.1

Manual Integrations

APPROVED

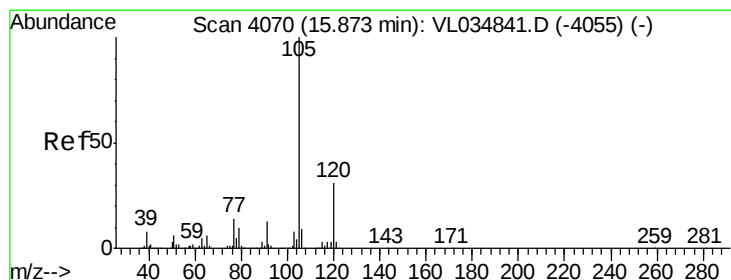
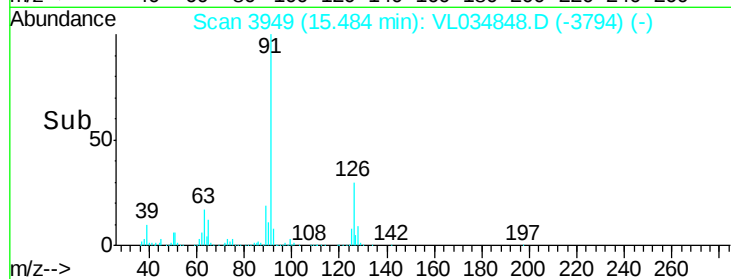
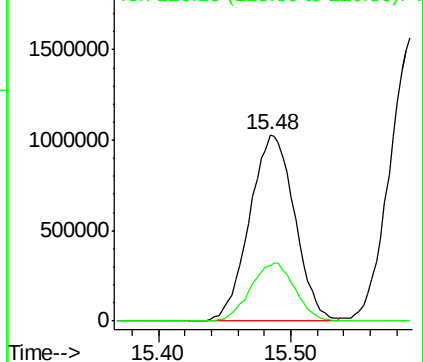
MMDadoda

3/11/2020 3:26:11 PM



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 8.816 ppbv

RT: 15.87 min Scan# 4070

Delta R.T. 0.00 min

Lab File: VL034848.D

Acq: 9 Mar 2020 20:25

Tgt Ion:105 Resp: 2588103

Ion Ratio Lower Upper

105 100

120 29.4 23.7 35.5

91 12.3 10.5 15.7

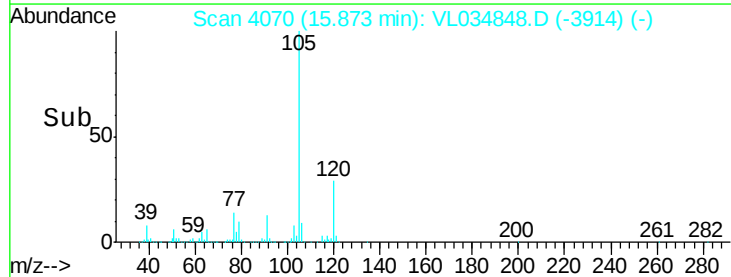
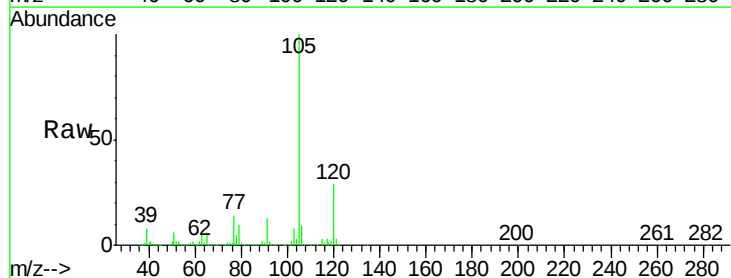
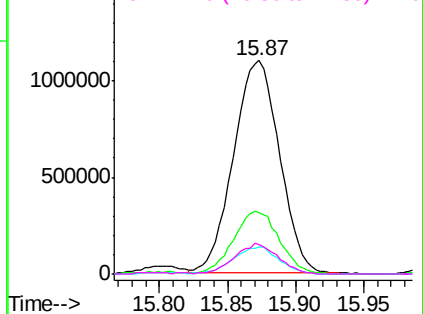
77 13.7 11.1 16.7

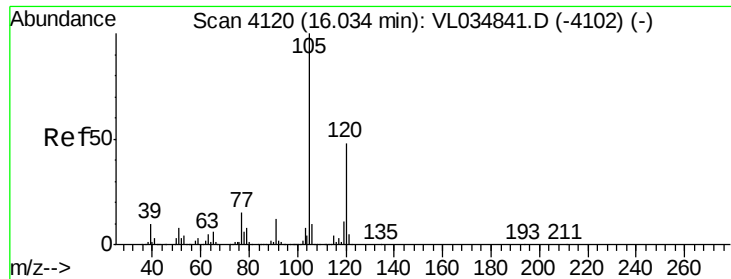
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 8.831 ppbv

RT: 16.03 min Scan# 4119

Delta R.T. -0.00 min

Lab File: VL034848.D

Acq: 9 Mar 2020 20:25

Instrument :

MSVOA_L

ClientSampled :

ICVVL030920

Tot Ion:105 Resp: 2426871

Ion Ratio Lower Upper

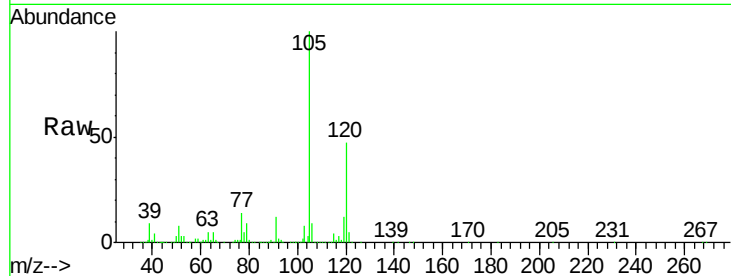
105 100

120 46.8 38.6 58.0

Manual Integrations
APPROVED

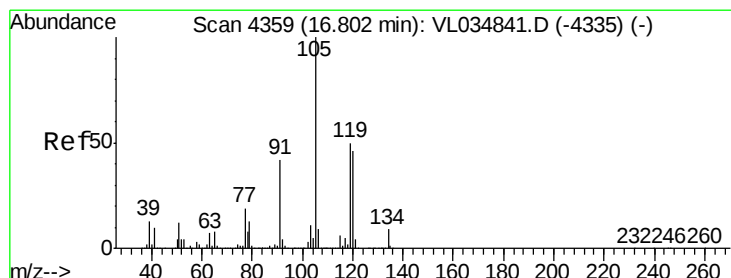
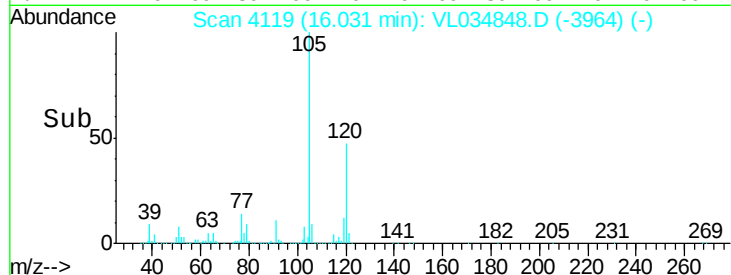
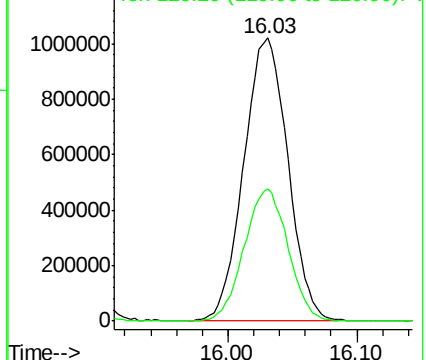
MMDadoda

3/11/2020 3:26:11 PM



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 8.775 ppbv

RT: 16.80 min Scan# 4358

Delta R.T. -0.00 min

Lab File: VL034848.D

Acq: 9 Mar 2020 20:25

Tgt Ion:105 Resp: 2484396

Ion Ratio Lower Upper

105 100

120 48.8 37.0 55.4

91 46.1 33.8 50.6

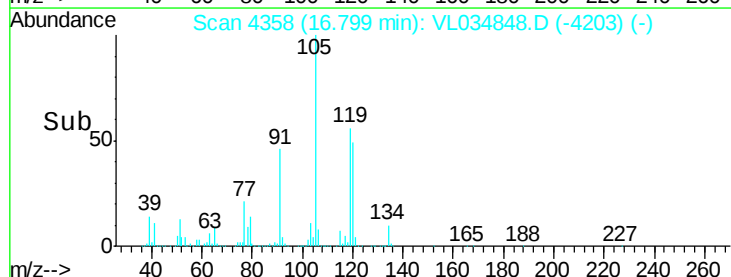
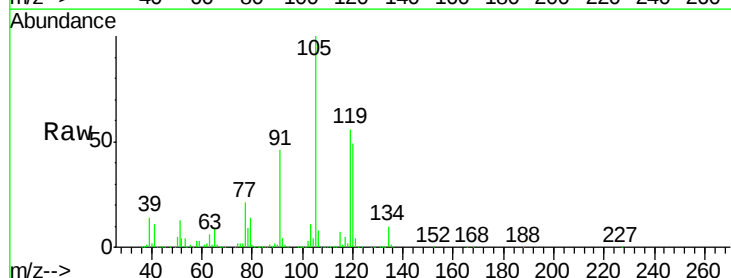
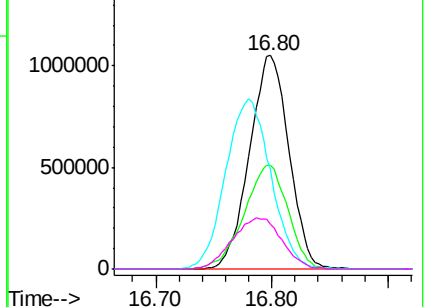
77 21.1 15.4 23.0

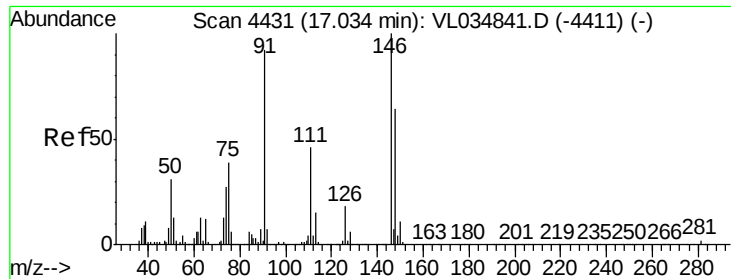
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





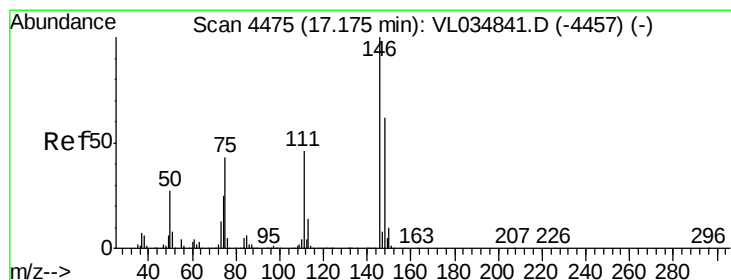
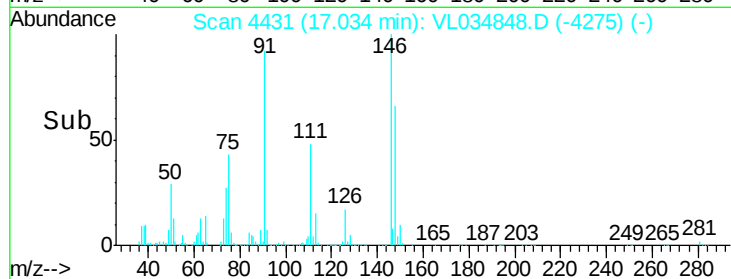
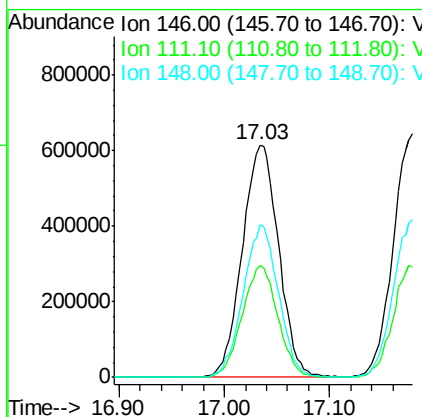
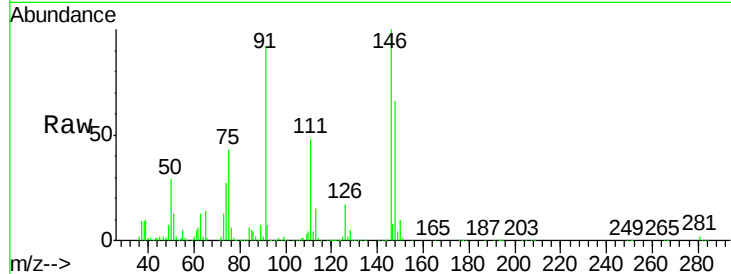
#75
 1,3-Dichlorobenzene
 Concen: 8.642 ppbv
 RT: 17.03 min Scan# 4431
 Delta R.T. 0.00 min
 Lab File: VL034848.D
 Acq: 9 Mar 2020 20:25

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL030920

Tot Ion:146 Resp: 1475280
 Ion Ratio Lower Upper
 146 100
 111 47.2 23.9 71.7
 148 64.0 32.5 97.5

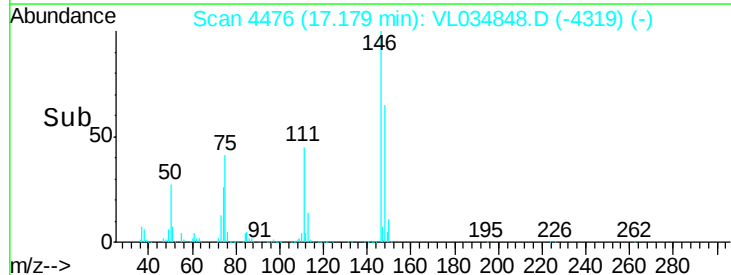
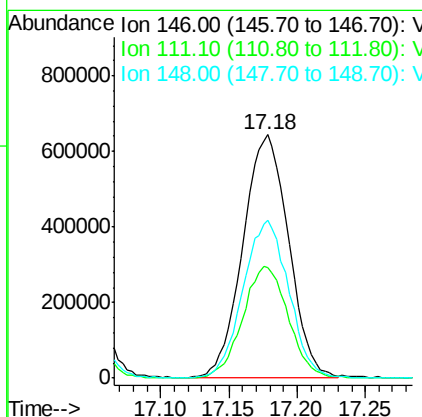
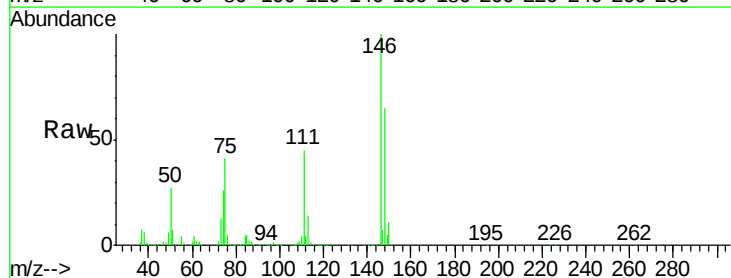
Manual Integrations
 APPROVED

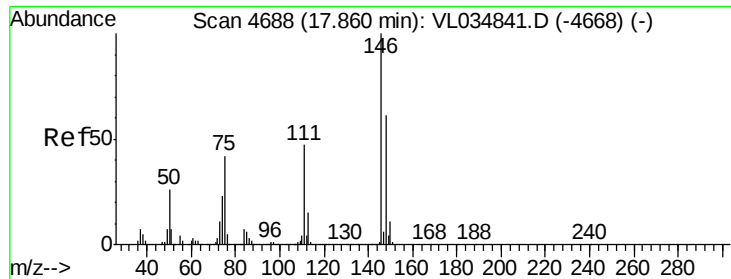
MMDadoda
 3/11/2020 3:26:11 PM



#76
 1,4-Dichlorobenzene
 Concen: 8.744 ppbv
 RT: 17.18 min Scan# 4476
 Delta R.T. 0.00 min
 Lab File: VL034848.D
 Acq: 9 Mar 2020 20:25

Tgt Ion:146 Resp: 1489612
 Ion Ratio Lower Upper
 146 100
 111 46.2 23.4 70.2
 148 65.5 32.3 96.9





#77

1,2-Dichlorobenzene

Concen: 8.809 ppbv

RT: 17.86 min Scan# 4688

Delta R.T. 0.00 min

Lab File: VL034848.D

Acq: 9 Mar 2020 20:25

Instrument :

MSVOA_L

ClientSampleId :

ICVVL030920

Tot Ion:146 Resp: 1457652

Ion Ratio Lower Upper

146 100

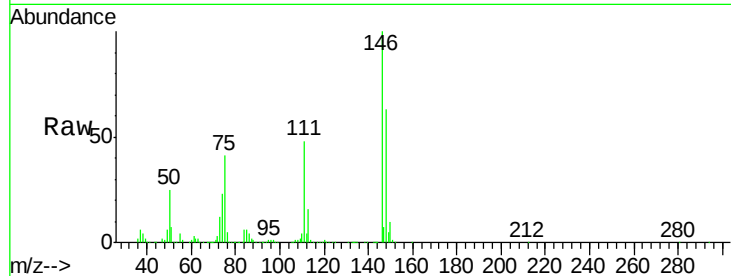
111 48.5 23.8 71.4

148 65.1 31.6 94.8

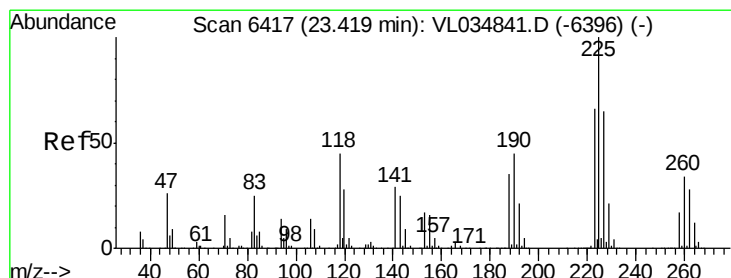
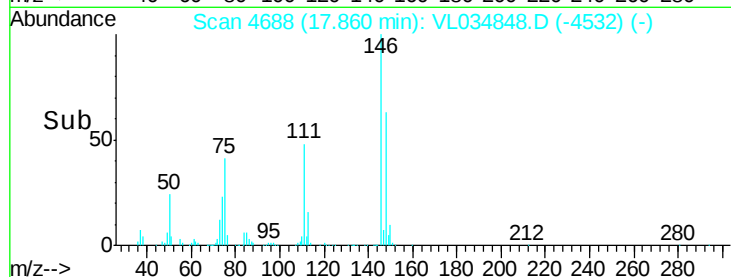
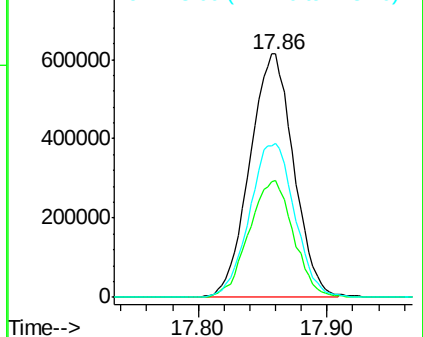
Manual Integrations
APPROVED

MMDadoda

3/11/2020 3:26:11 PM



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: 9.518 ppbv m

RT: 23.41 min Scan# 6415

Delta R.T. -0.01 min

Lab File: VL034848.D

Acq: 9 Mar 2020 20:25

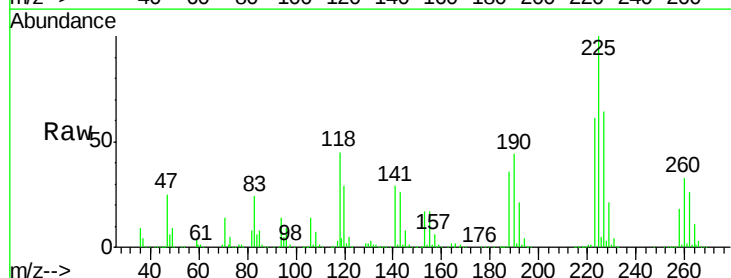
Tgt Ion:225 Resp: 1315536

Ion Ratio Lower Upper

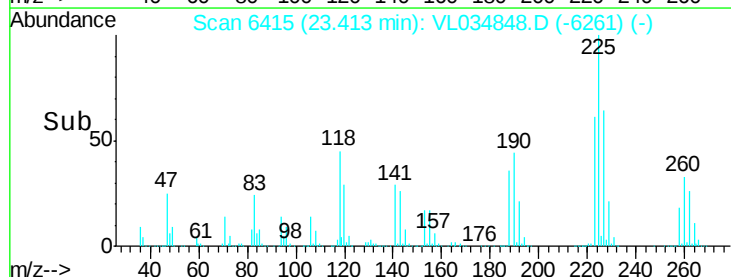
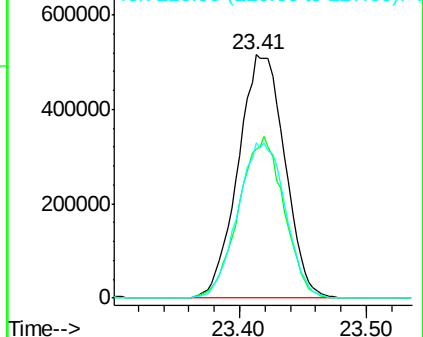
225 100

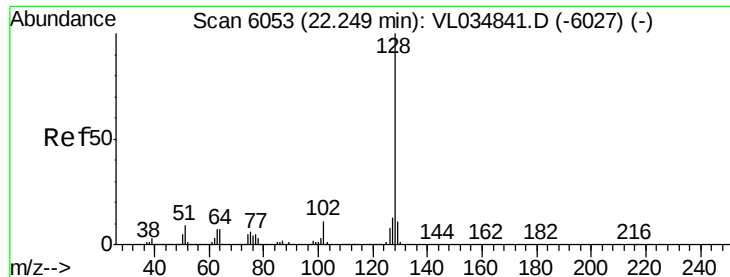
223 64.0 51.1 76.7

227 0.0 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: 12.202 ppbv m

RT: 22.25 min Scan# 6053

Delta R.T. 0.00 min

Lab File: VL034848.D

Acq: 9 Mar 2020 20:25

Instrument :

MSVOA_L

ClientSampleId :

ICVVL030920

Tot Ion:128 Resp: 2694155

Ion Ratio Lower Upper

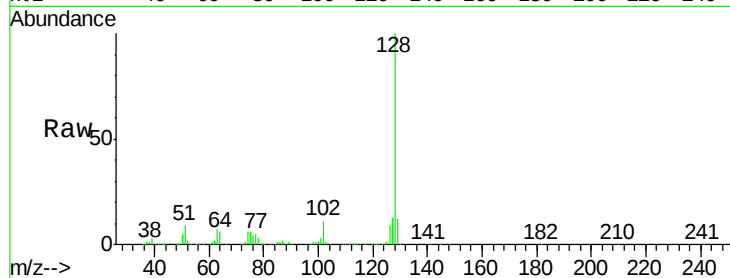
128 100

127 12.7 10.2 15.2

129 11.8 8.6 13.0

Manual Integrations
APPROVED

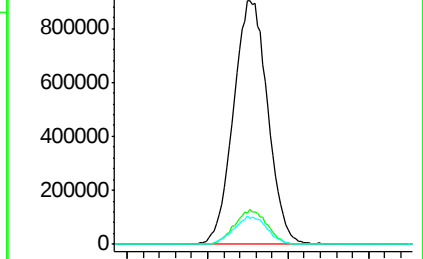
MMDadoda
3/11/2020 3:26:11 PM



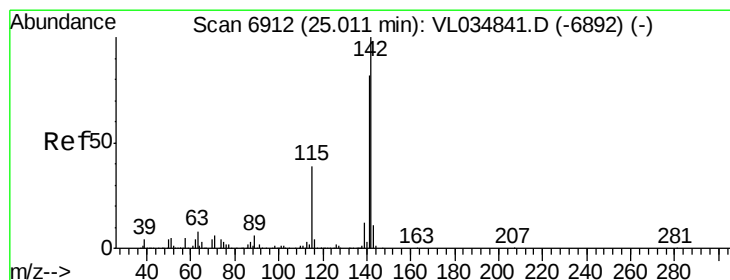
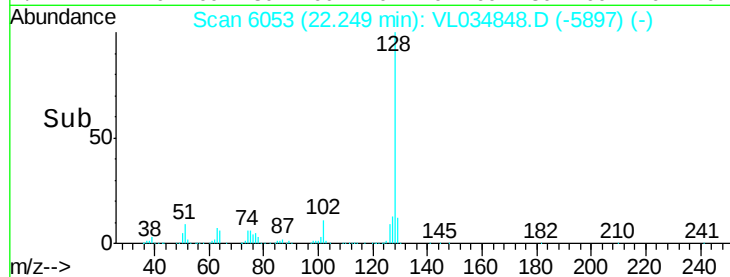
Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



Time-->



#80

Naphthalene, 2-methyl-

Concen: 10.576 ppbv

RT: 25.01 min Scan# 6911

Delta R.T. -0.00 min

Lab File: VL034848.D

Acq: 9 Mar 2020 20:25

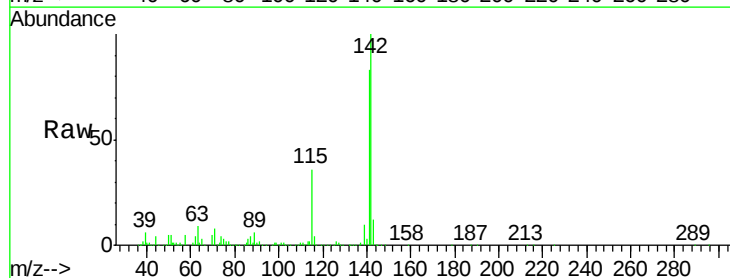
Tgt Ion:142 Resp: 610238

Ion Ratio Lower Upper

142 100

141 82.6 68.9 103.3

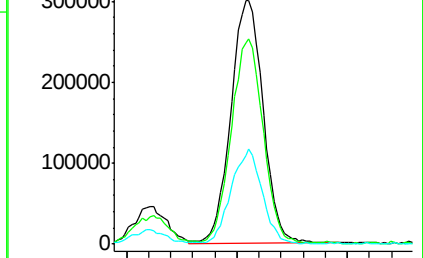
115 37.9 33.2 49.8



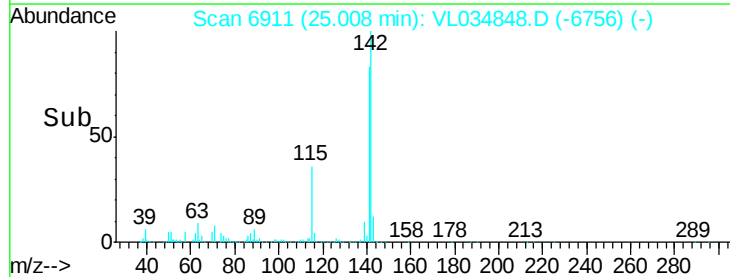
Abundance Ion 142.00 (141.70 to 142.70): V

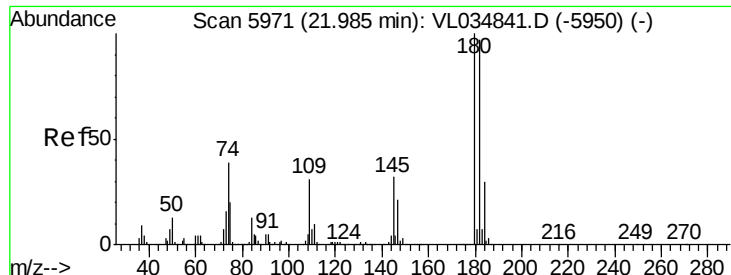
Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V



Time-->





#81
 1,2,4-Trichlorobenzene
 Concen: 11.072 ppbv
 RT: 21.98 min Scan# 5970
 Delta R.T. -0.00 min
 Lab File: VL034848.D
 Acq: 9 Mar 2020 20:25

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL030920

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.6	115.0
184	31.3	25.0	37.4

Manual Integrations
 APPROVED

MMDadoda
 3/11/2020 3:26:11 PM

