

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030920\
 Data File : VL034850.D
 Acq On : 9 Mar 2020 22:26
 Operator : SY/AP
 Sample : VL0309ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0309ABS01

Manual Integrations
 APPROVED

MMDadoda
 3/11/2020 3:26:13 PM

Quant Time: Mar 11 04:48:42 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	916573	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2095821	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2161356m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	1689028	10.02	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.20%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.01	85	1448992	11.545	ppbv 99
3) Chlorodifluoromethane	2.95	51	943274	9.213	ppbv 99
4) Chloromethane	3.10	50	560597	9.688	ppbv 98
5) Vinyl Chloride	3.22	62	518663	9.323	ppbv 90
6) Bromomethane	3.44	94	310693	9.594	ppbv 96
7) Chloroethane	3.52	64	190310	9.473	ppbv 100
8) Dichlorotetrafluoroethane	3.15	85	1162507	8.918	ppbv 99
9) Propene	2.97	41	450103	9.207	ppbv 98
10) Heptane	8.13	43	1151070	9.568	ppbv 99
11) Trichlorofluoromethane	3.92	101	1213371	9.087	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.46	101	854446	9.143	ppbv 99
13) Ethanol	3.57	45	99841	6.718	ppbv 100
14) Bromoethene	3.71	108	377307	9.348	ppbv 98
15) Acetone	3.82	43	1070978	9.015	ppbv 99
16) 1,3-Butadiene	3.29	39	504797	9.397	ppbv 97
17) tert-Butyl alcohol	4.27	59	870264	7.604	ppbv 99
18) 1,1-Dichloroethene	4.26	96	393850	9.516	ppbv 98
19) Isopropyl Alcohol	3.94	45	583017	7.771	ppbv # 39
20) Methylene Chloride	4.32	84	341189	9.084	ppbv 96
21) Allyl Chloride	4.39	41	727407	9.534	ppbv 99
22) trans-1,2-Dichloroethene	4.87	96	394839	9.404	ppbv 98
23) Vinyl Acetate	5.06	43	1717172	9.785	ppbv 99
24) 1,1-Dichloroethane	5.00	63	1075895	9.146	ppbv 99
25) Ethyl Acetate	5.66	43	1933517	9.136	ppbv 100
26) Hexane	5.67	57	848178	9.307	ppbv 100
27) Carbon Disulfide	4.53	76	1020323	9.866	ppbv 98
28) Methyl tert-Butyl Ether	5.02	73	1435294	9.465	ppbv 100
29) Chloroform	5.74	83	1271161	9.141	ppbv 96
30) Cyclohexane	7.13	84	726164	9.550	ppbv 100
31) cis-1,2-Dichloroethene	5.54	61	883397	9.478	ppbv 98
32) 1,1,1-Trichloroethane	6.51	97	1276877	9.424	ppbv 99
34) 2-Butanone	5.23	43	1307722	9.389	ppbv 99
35) Carbon Tetrachloride	7.02	117	1311544	10.061	ppbv 98
36) Benzene	6.89	78	1728612	9.253	ppbv 98
37) 1,2-Dichloroethane	6.31	62	996403	9.459	ppbv 99
38) Trichloroethene	7.84	130	669319	9.434	ppbv 99
39) 1,2-Dichloropropane	7.62	63	681776	9.211	ppbv 96
40) 1,4-Dioxane	7.84	88	120997	4.329	ppbv # 1
41) Tetrahydrofuran	6.04	42	745384	9.891	ppbv 99
42) Bromodichloromethane	7.80	83	1365921	9.515	ppbv 99
43) Methyl Methacrylate	8.02	69	783098	9.950	ppbv 98

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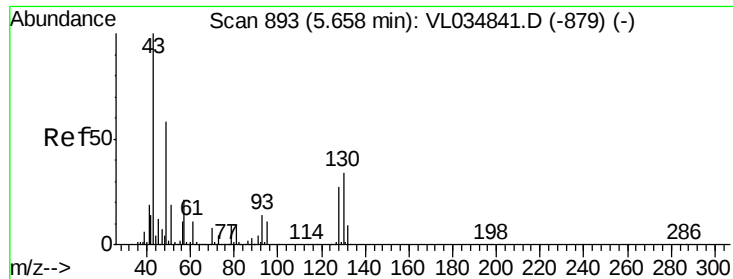
Manual Integrations
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Quant Time: Mar 11 04:48:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 0
 QLast Update : Mon Mar 09 16:42:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	2961145	9.380	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	957830	10.359	ppbv	100
46) cis-1,3-Dichloropropene	8.72	75	1096915	9.983	ppbv	97
47) 1,1,2-Trichloroethane	9.49	97	705201	9.284	ppbv	96
48) Dibromochloromethane	10.33	129	1170770	9.518	ppbv	99
49) Bromoform	13.07	173	1034090	9.428	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	1906717	9.510	ppbv	100
51) 2-Hexanone	10.15	43	1567704	9.622	ppbv	100
52) Tetrachloroethene	11.25	164	623038	8.430	ppbv	96
53) Toluene	9.82	91	2021541	9.371	ppbv	99
54) 1,2-Dibromoethane	10.63	107	1054676	9.224	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.15	131	883047	9.095	ppbv	99
57) Chlorobenzene	12.18	112	1491811	8.821	ppbv	99
58) Ethyl Benzene	12.73	91	2654314	9.068	ppbv	99
59) m/p-Xylene	13.02	91	4293828m	17.510	ppbv	
60) o-Xylene	13.72	91	2116978	8.842	ppbv	99
61) Styrene	13.55	104	1580682	9.407	ppbv	99
62) Isopropylbenzene	14.70	105	3172137	8.762	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.71	83	1426814	8.778	ppbv	100
64) n-propylbenzene	15.59	120	833630	8.847	ppbv	98
65) tert-Butylbenzene	16.78	119	2745409	8.675	ppbv	100
66) Benzyl Chloride	17.03	91	1423453	10.787	ppbv	100
67) sec-Butylbenzene	17.33	105	3885429	8.854	ppbv	99
69) p-Isopropyltoluene	17.69	119	3304309	8.980	ppbv	100
70) n-Butylbenzene	18.59	91	3368931	8.973	ppbv	100
71) 2-Chlorotoluene	15.49	91	2376287	8.667	ppbv	100
72) 4-Ethyltoluene	15.87	105	2559817	9.053	ppbv	99
73) 1,3,5-Trimethylbenzene	16.03	105	2378629	8.986	ppbv	99
74) 1,2,4-Trimethylbenzene	16.80	105	2455876	9.006	ppbv	97
75) 1,3-Dichlorobenzene	17.03	146	1436161	8.734	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	1451454	8.846	ppbv	99
77) 1,2-Dichlorobenzene	17.86	146	1425318	8.943	ppbv	98
78) Hexachloro-1,3-Butadiene	23.42	225	1291798	9.704	ppbv	100
79) Naphthalene	22.25	128	2554761	12.013	ppbv	99
80) Naphthalene, 2-methyl-	25.01	142	975001	17.544	ppbv	100
81) 1,2,4-Trichlorobenzene	21.98	180	1472596	10.899	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. 0.00 min

Lab File: VL034850.D

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MSVOA_L

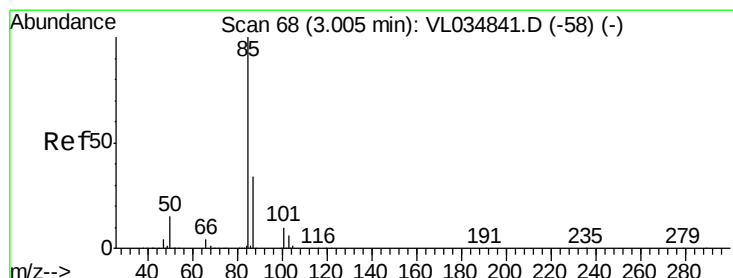
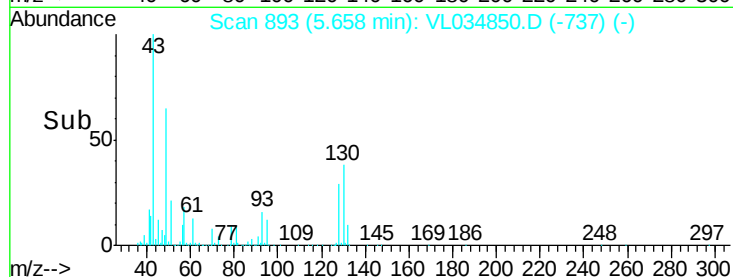
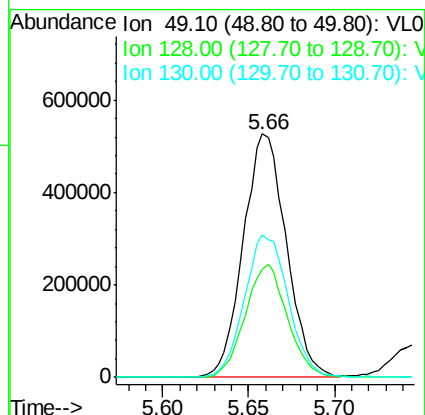
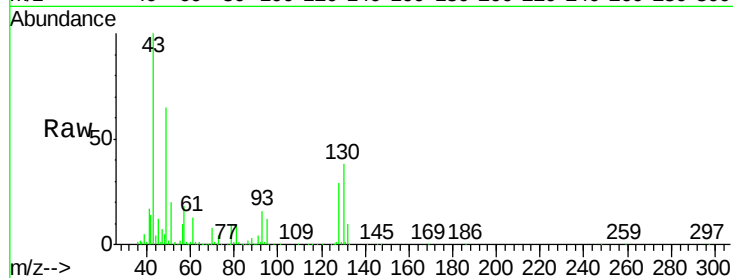
ClientSampleId :

VL0309ABS01

Tot Ion:	49	Resp:	916573
Ion	Ratio	Lower	Upper
49	100		
128	45.8	23.4	70.3
130	59.8	30.0	90.0

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#2

Dichlorodifluoromethane

Concen: 11.545 ppbv

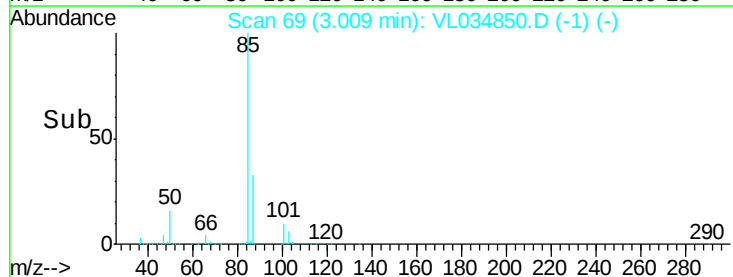
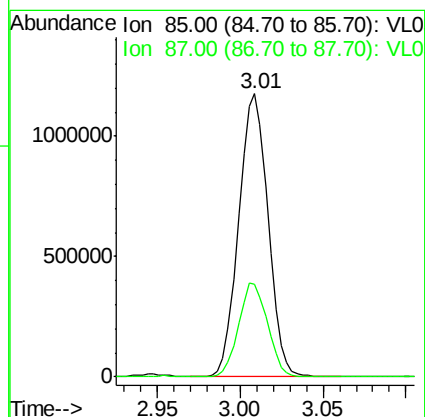
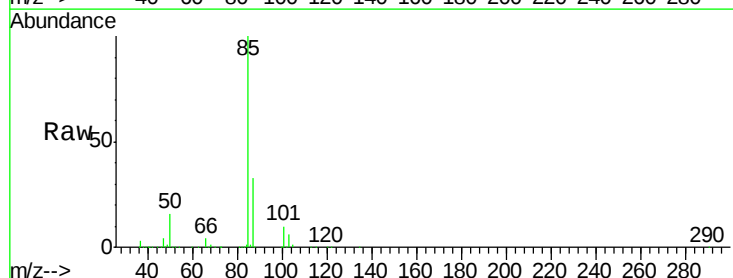
RT: 3.01 min Scan# 69

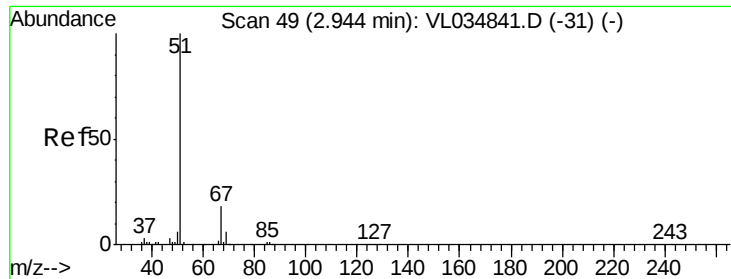
Delta R.T. 0.00 min

Lab File: VL034850.D

Acq: 9 Mar 2020 22:26

Tgt Ion:	85	Resp:	1448992
Ion	Ratio	Lower	Upper
85	100		
87	32.8	26.9	40.3





#3

Chlorodifluoromethane

Concen: 9.213 ppbv

RT: 2.95 min Scan# 50

Delta R.T. 0.00 min

Lab File: VL034850.D

Acq: 9 Mar 2020 22:26

Instrument :

MSVOA_L

ClientSampleId :

VL0309ABS01

Tot Ion: 51 Resp: 943274

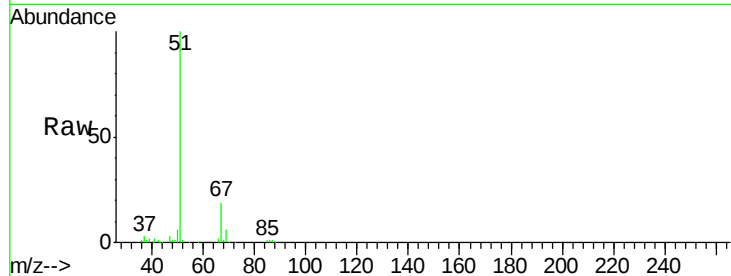
Ion Ratio Lower Upper

51 100

67 18.2 14.3 21.5

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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

800000

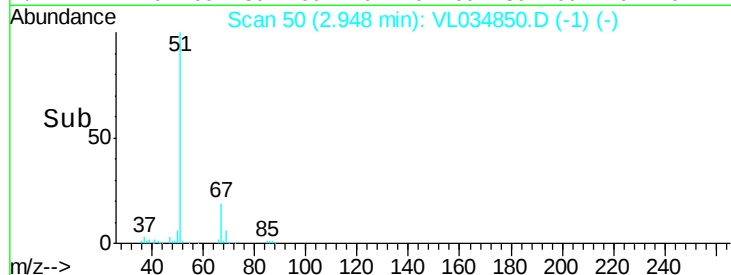
600000

400000

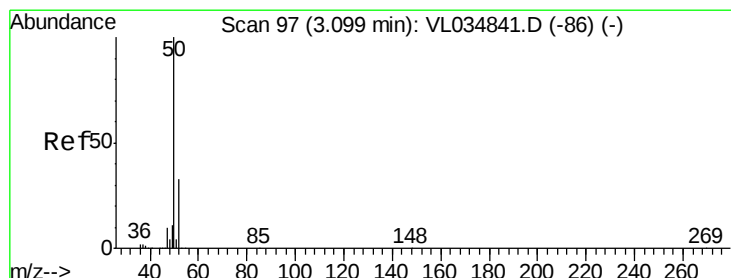
200000

0

Time-->



Time-->



#4

Chloromethane

Concen: 9.688 ppbv

RT: 3.10 min Scan# 97

Delta R.T. 0.00 min

Lab File: VL034850.D

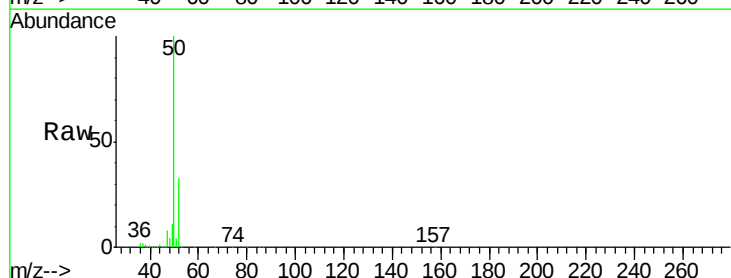
Acq: 9 Mar 2020 22:26

Tgt Ion: 50 Resp: 560597

Ion Ratio Lower Upper

50 100

52 32.6 26.8 40.2



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

400000

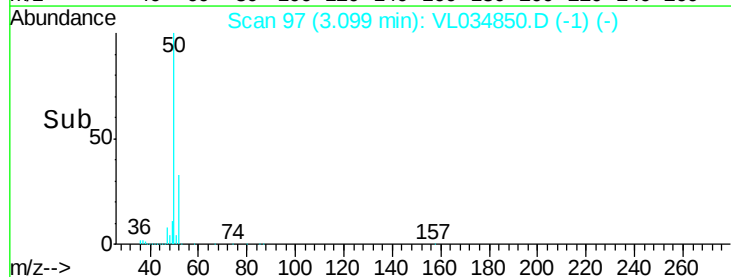
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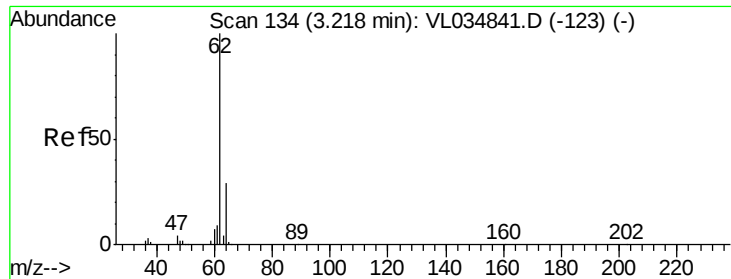
200000

100000

0

Time-->





#5

Vinyl Chloride

Concen: 9.323 ppbv

RT: 3.22 min Scan# 134

Delta R.T. 0.00 min

Lab File: VL034850.D

Acq: 9 Mar 2020 22:26

Instrument :

MSVOA_L

ClientSampleId :

VL0309ABS01

Tot Ion: 62 Resp: 518663

Ion Ratio Lower Upper

62 100

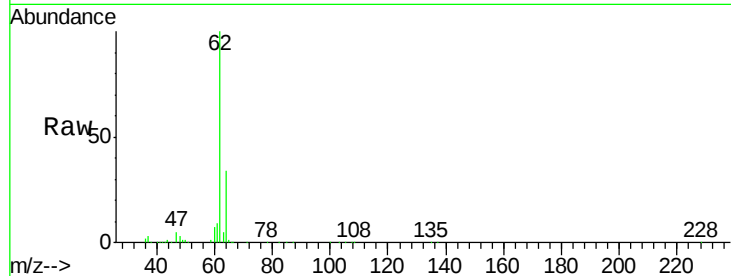
64 34.0 23.0 34.4

Manual Integrations

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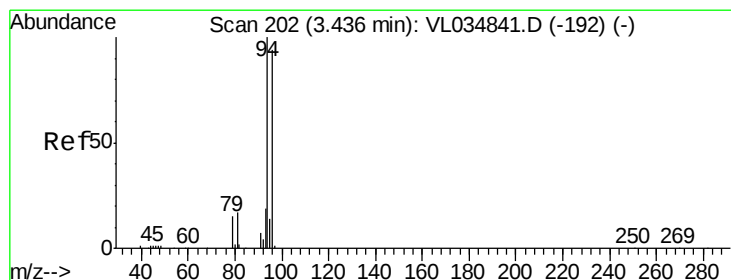
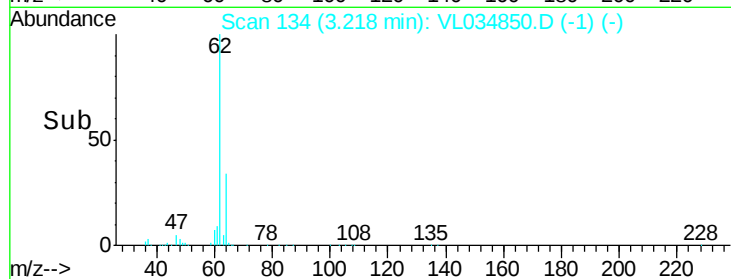
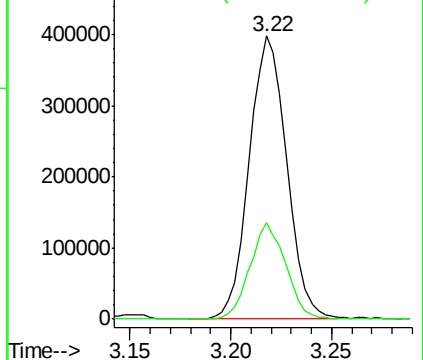
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.594 ppbv

RT: 3.44 min Scan# 203

Delta R.T. 0.00 min

Lab File: VL034850.D

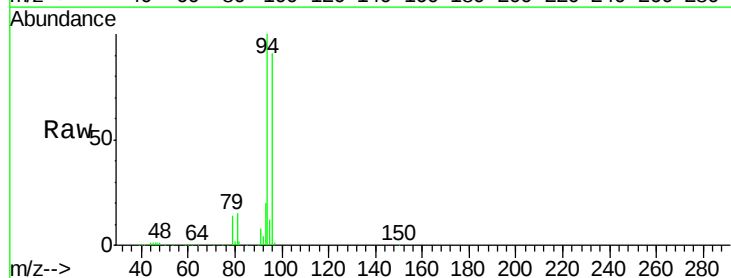
Acq: 9 Mar 2020 22:26

Tgt Ion: 94 Resp: 310693

Ion Ratio Lower Upper

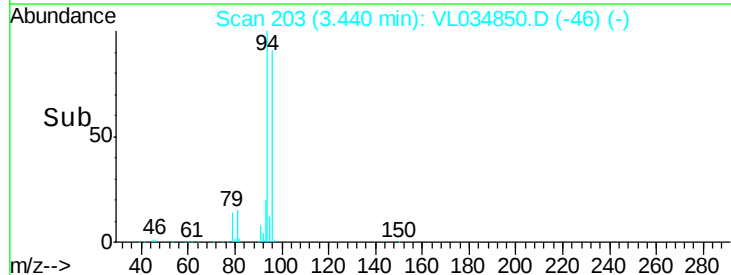
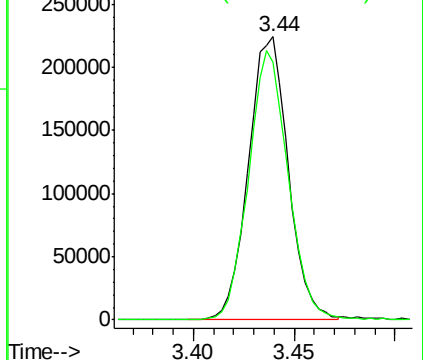
94 100

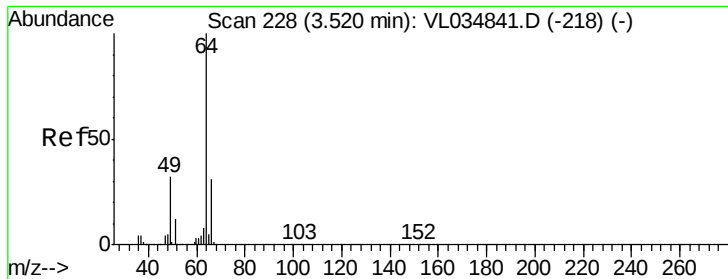
96 90.9 75.5 113.3



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.473 ppbv

RT: 3.52 min Scan# 228

Delta R.T. 0.00 min

Lab File: VL034850.D

Acq: 9 Mar 2020 22:26

Instrument :

MSVOA_L

ClientSampleId :

VL0309ABS01

Tot Ion: 64 Resp: 190310

Ion Ratio Lower Upper

64 100

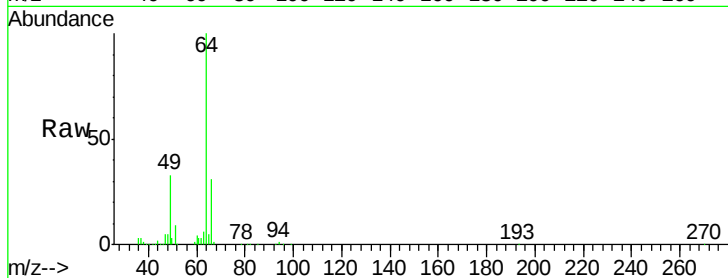
66 30.9 24.8 37.2

Manual Integrations

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

150000

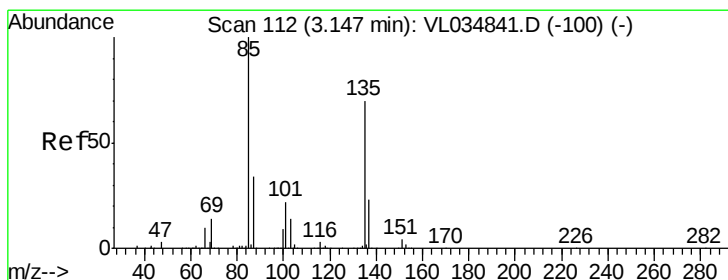
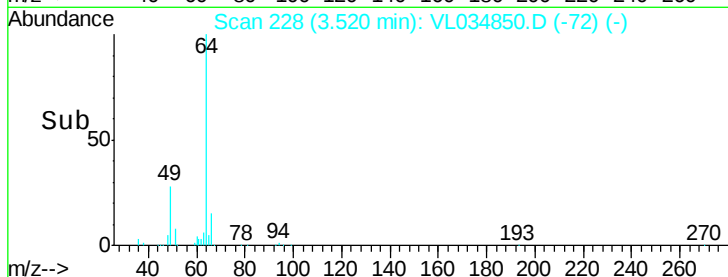
100000

50000

0

3.50 3.52 3.54 3.56

Time-->



#8

Dichlorotetrafluoroethane

Concen: 8.918 ppbv

RT: 3.15 min Scan# 113

Delta R.T. 0.00 min

Lab File: VL034850.D

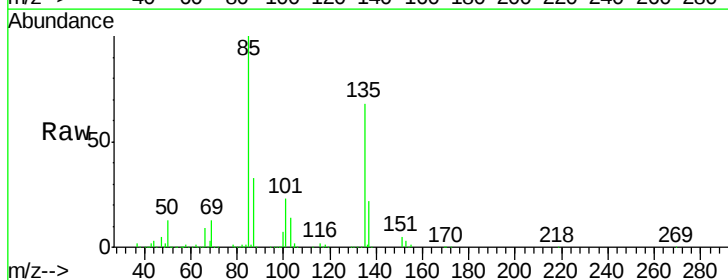
Acq: 9 Mar 2020 22:26

Tgt Ion: 85 Resp: 1162507

Ion Ratio Lower Upper

85 100

135 67.5 54.3 81.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

1000000

800000

600000

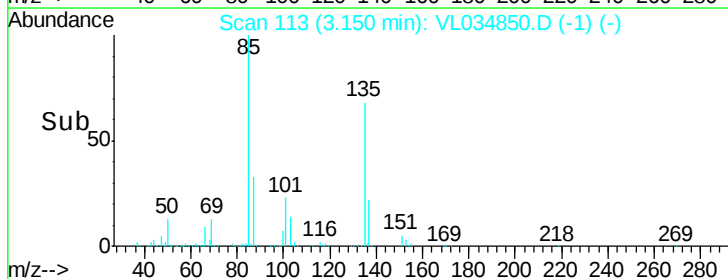
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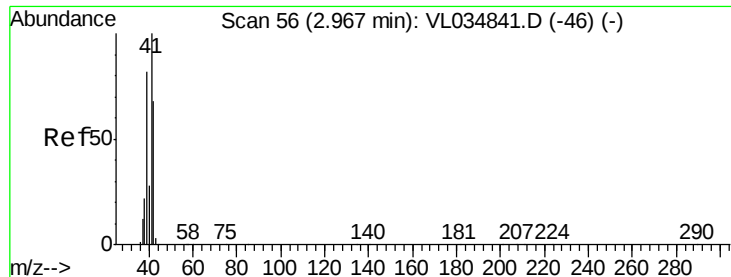
200000

0

3.10 3.15 3.20

Time-->





#9

Propene

Concen: 9.207 ppbv

RT: 2.97 min Scan# 57

Delta R.T. 0.00 min

Lab File: VL034850.D

Acq: 9 Mar 2020 22:26

Instrument :

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ClientSampleId :

VL0309ABS01

Tot Ion: 41 Resp: 450103

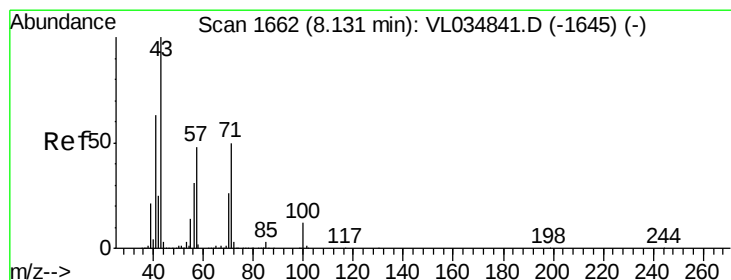
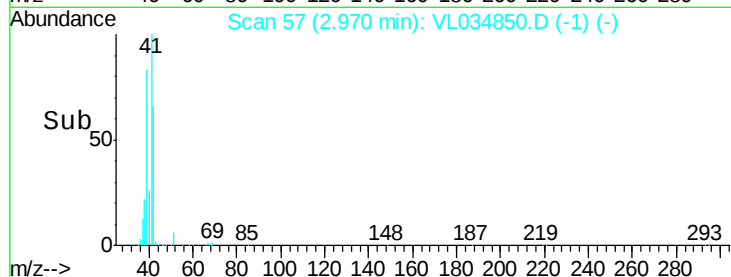
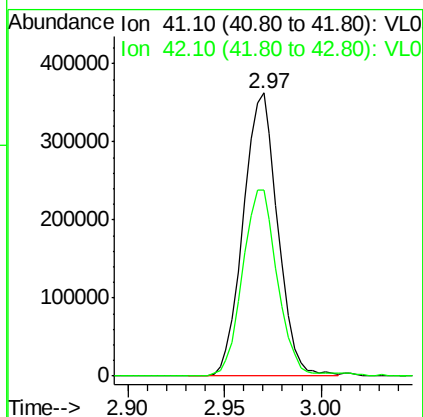
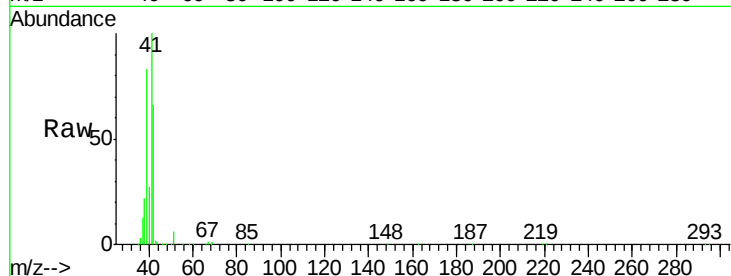
Ion Ratio Lower Upper

41 100

42 67.4 55.2 82.8

Manual Integrations
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#10

Heptane

Concen: 9.568 ppbv

RT: 8.13 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VL034850.D

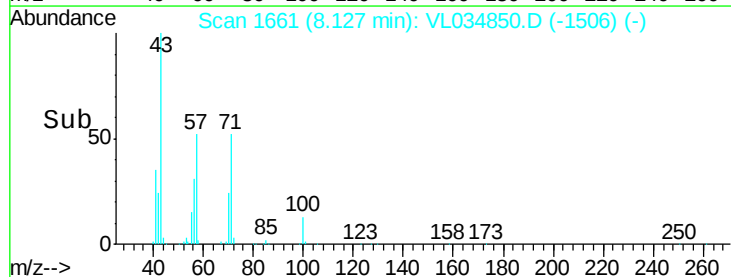
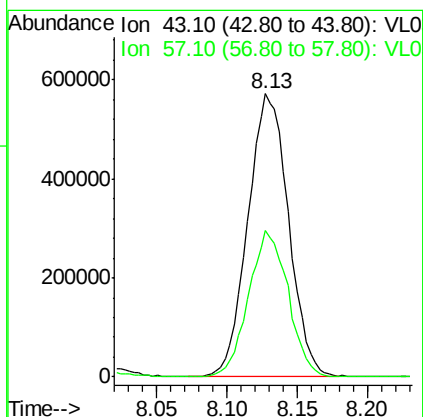
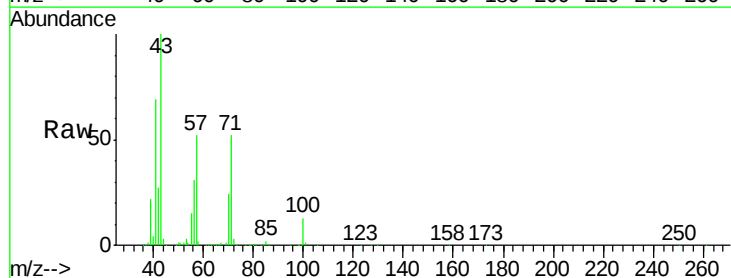
Acq: 9 Mar 2020 22:26

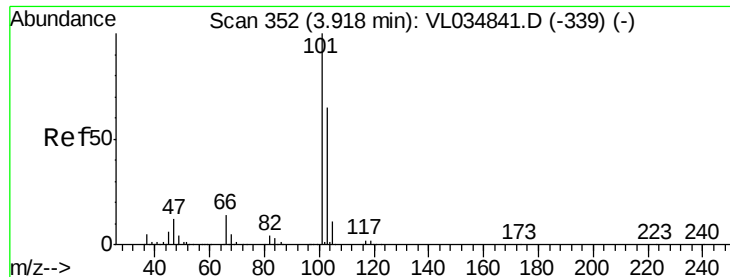
Tgt Ion: 43 Resp: 1151070

Ion Ratio Lower Upper

43 100

57 50.4 39.7 59.5





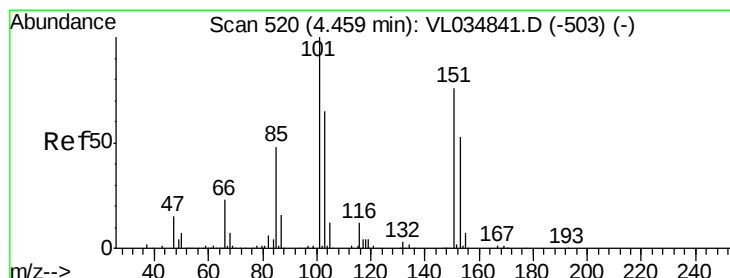
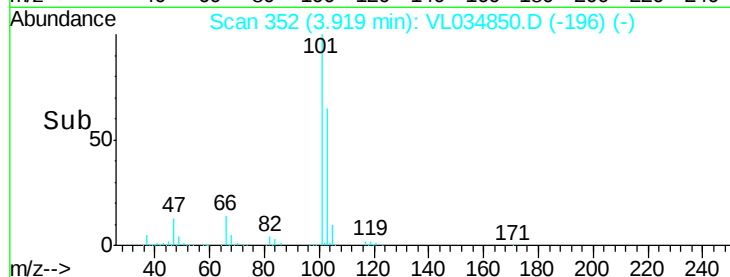
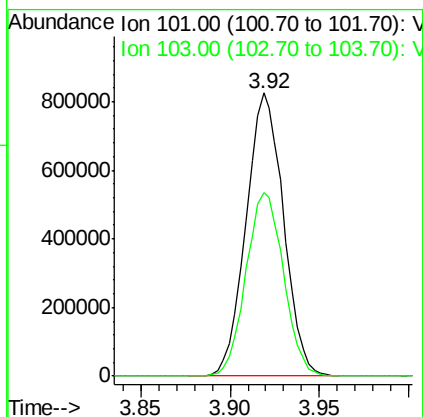
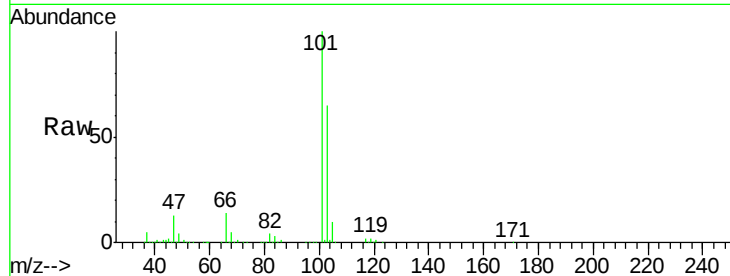
#11
 Trichlorofluoromethane
 Concen: 9.087 ppbv
 RT: 3.92 min Scan# 352
 Delta R.T. 0.00 min
 Lab File: VL034850.D
 Acq: 9 Mar 2020 22:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0309ABS01

Tot Ion:101 Resp: 1213371
 Ion Ratio Lower Upper
 101 100
 103 64.8 51.8 77.8

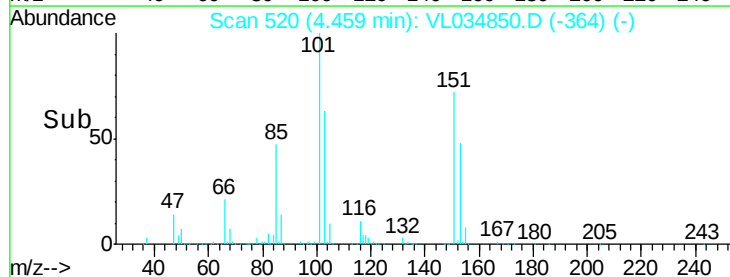
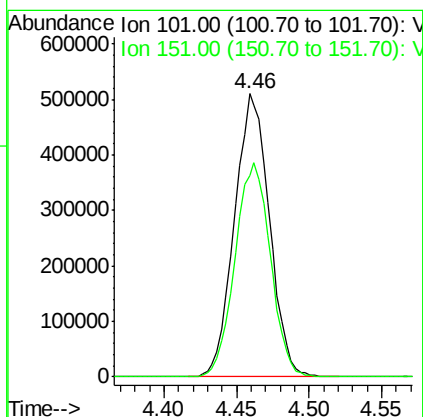
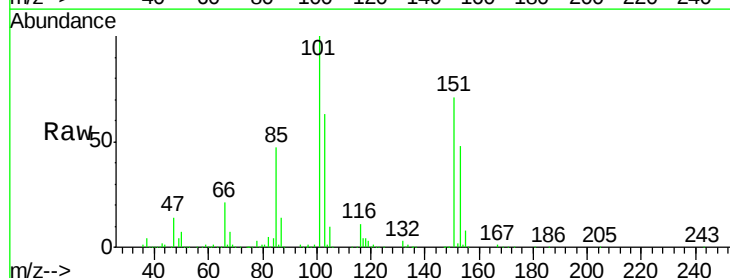
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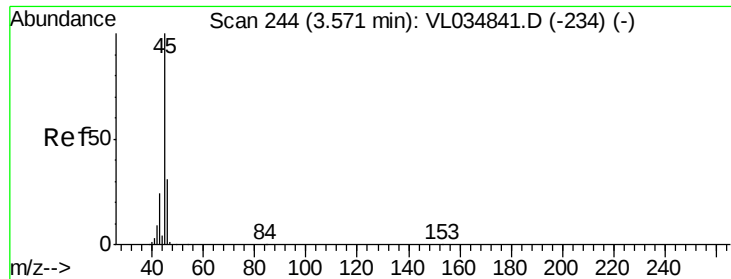
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.143 ppbv
 RT: 4.46 min Scan# 520
 Delta R.T. 0.00 min
 Lab File: VL034850.D
 Acq: 9 Mar 2020 22:26

Tgt Ion:101 Resp: 854446
 Ion Ratio Lower Upper
 101 100
 151 76.8 60.8 91.2





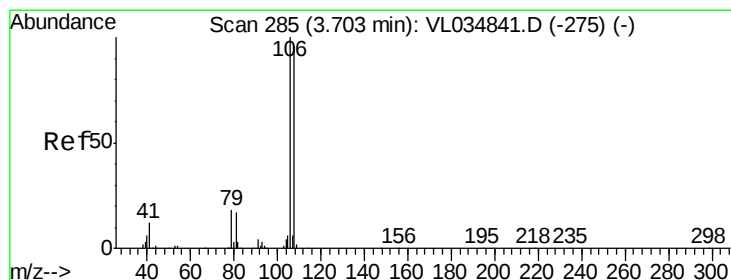
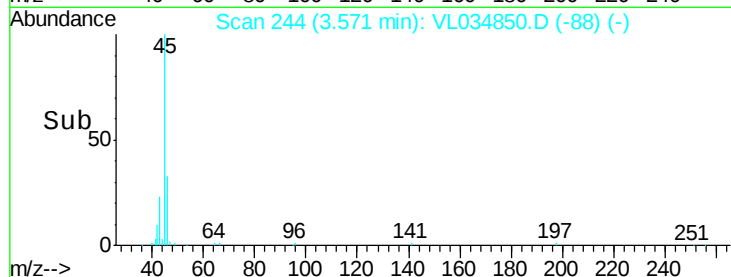
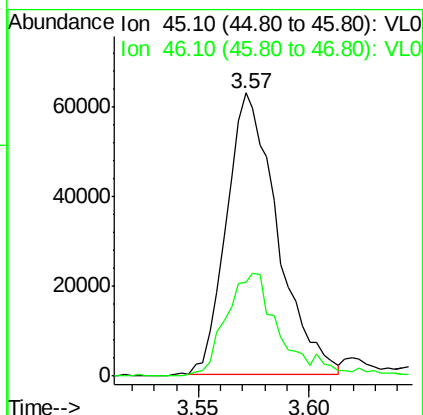
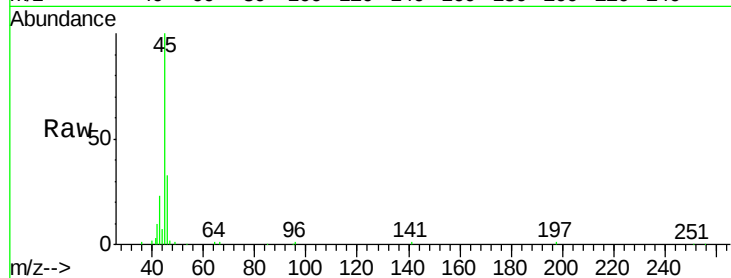
#13
Ethanol
Concen: 6.718 ppbv
RT: 3.57 min Scan# 244
Delta R.T. 0.00 min
Lab File: VL034850.D
Acq: 9 Mar 2020 22:26

Instrument :
MSVOA_L
ClientSampleId :
VL0309ABS01

Tot Ion: 45 Resp: 99841
Ion Ratio Lower Upper
45 100
46 40.3 16.0 64.0

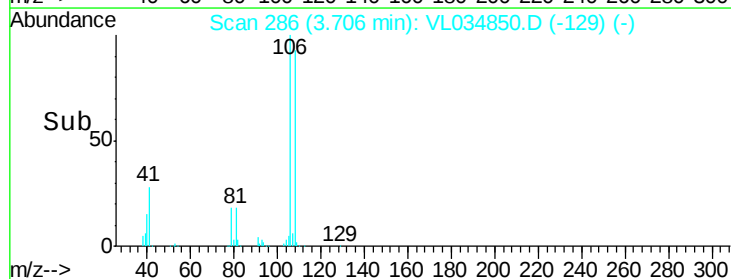
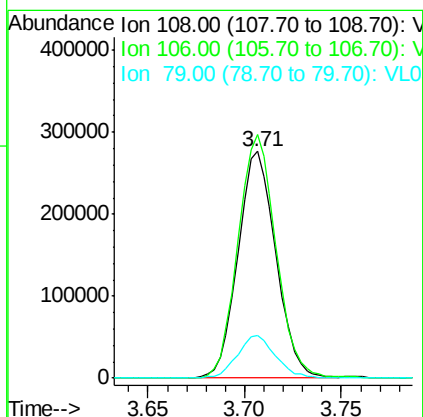
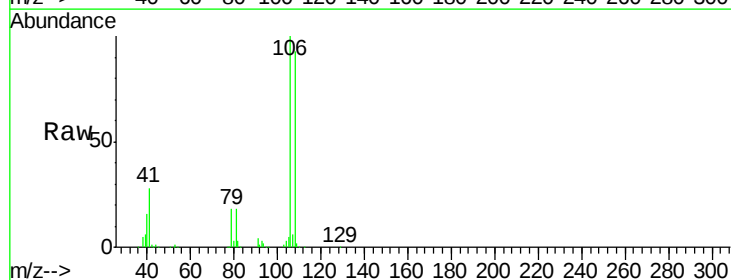
Manual Integrations
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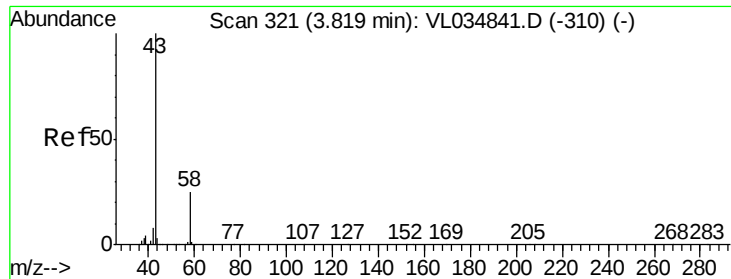
MMDadoda
3/11/2020 3:26:13 PM



#14
Bromoethene
Concen: 9.348 ppbv
RT: 3.71 min Scan# 286
Delta R.T. 0.00 min
Lab File: VL034850.D
Acq: 9 Mar 2020 22:26

Tgt Ion: 108 Resp: 377307
Ion Ratio Lower Upper
108 100
106 108.2 85.1 127.7
79 18.8 14.7 22.1





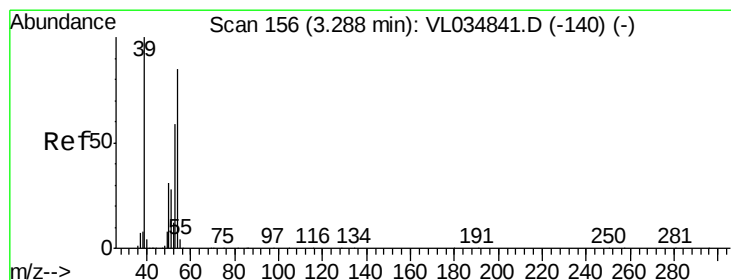
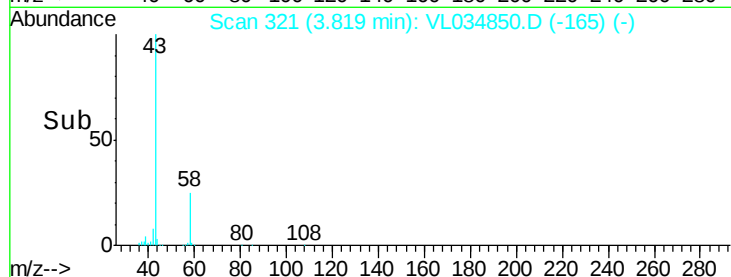
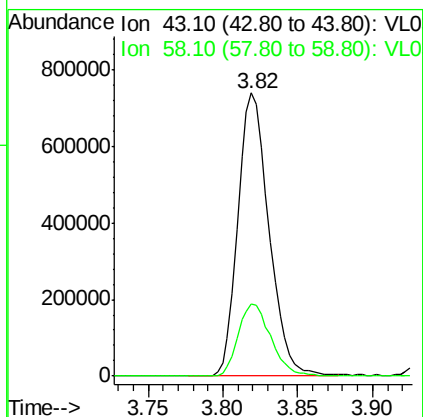
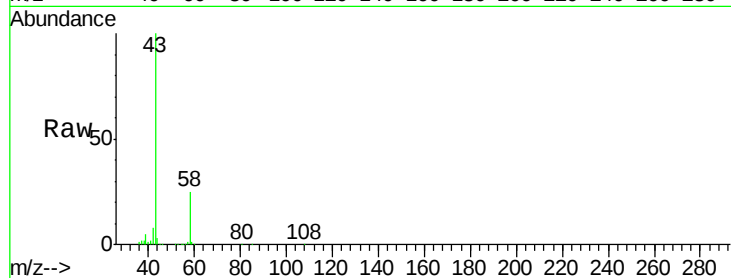
#15
Acetone
Concen: 9.015 ppbv
RT: 3.82 min Scan# 321
Delta R.T. 0.00 min
Lab File: VL034850.D
Acq: 9 Mar 2020 22:26

Instrument :
MSVOA_L
ClientSampleId :
VL0309ABS01

Tot Ion: 43 Resp: 1070978
Ion Ratio Lower Upper
43 100
58 26.9 21.0 31.6

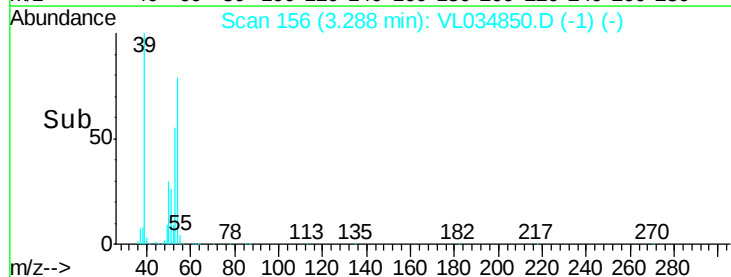
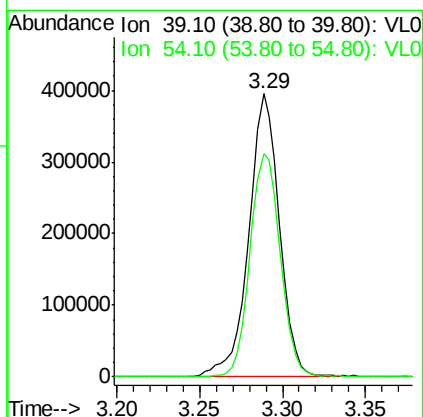
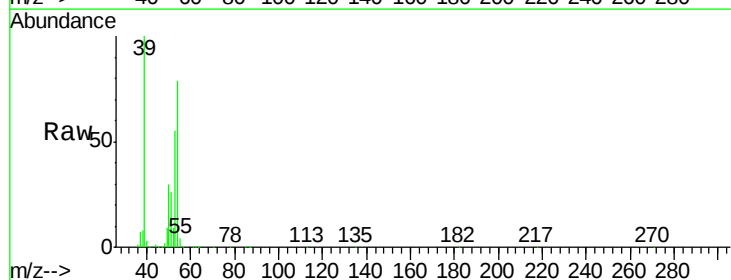
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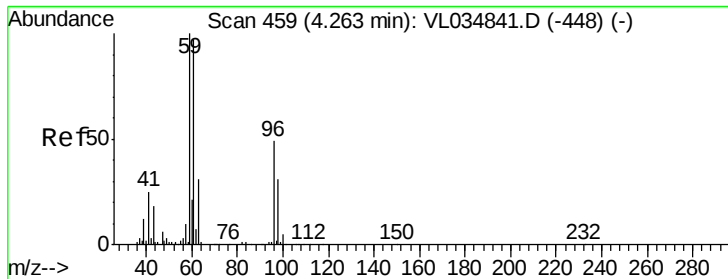
MMDadoda
3/11/2020 3:26:13 PM



#16
1,3-Butadiene
Concen: 9.397 ppbv
RT: 3.29 min Scan# 156
Delta R.T. 0.00 min
Lab File: VL034850.D
Acq: 9 Mar 2020 22:26

Tgt Ion: 39 Resp: 504797
Ion Ratio Lower Upper
39 100
54 78.6 65.0 97.6





#17

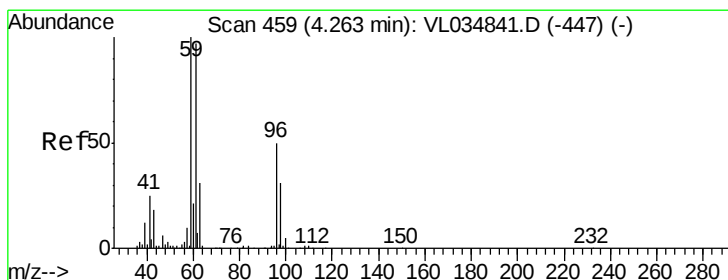
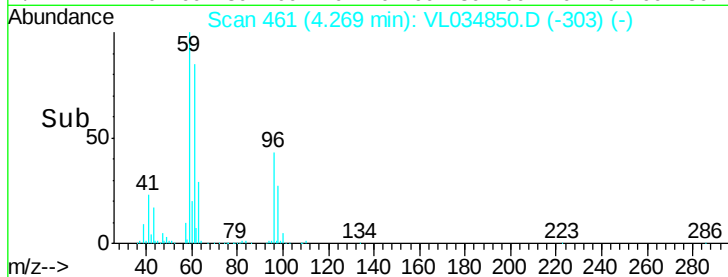
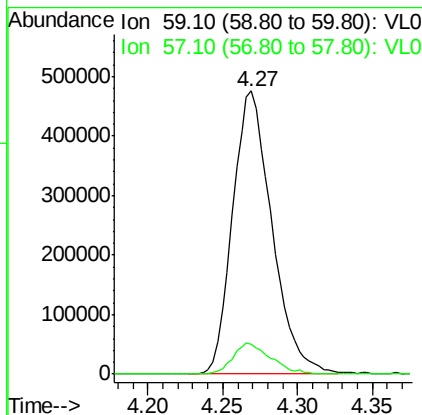
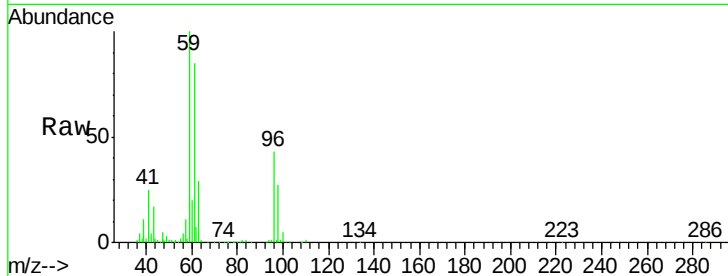
tert-Butyl alcohol
 Concen: 7.604 ppbv
 RT: 4.27 min Scan# 461
 Delta R.T. 0.01 min
 Lab File: VL034850.D
 Acq: 9 Mar 2020 22:26

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0309ABS01

Tot Ion	59.10	Resp	870264
Ion Ratio	100	Lower	Upper
59	100		
57	10.7	8.3	12.5

Manual Integrations
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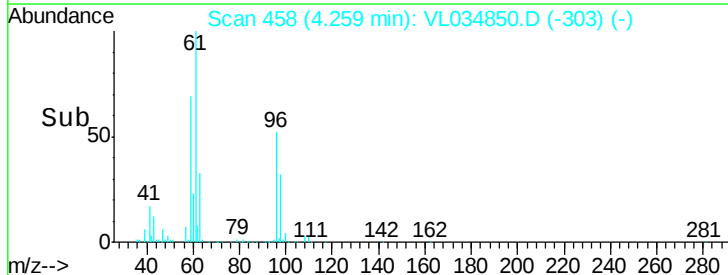
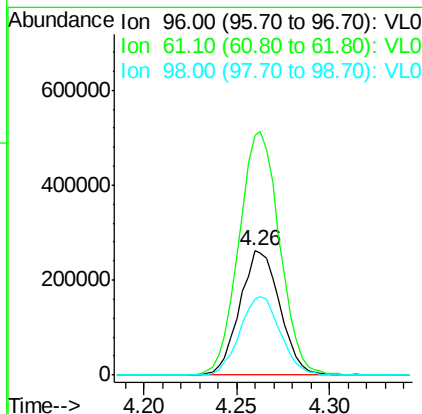
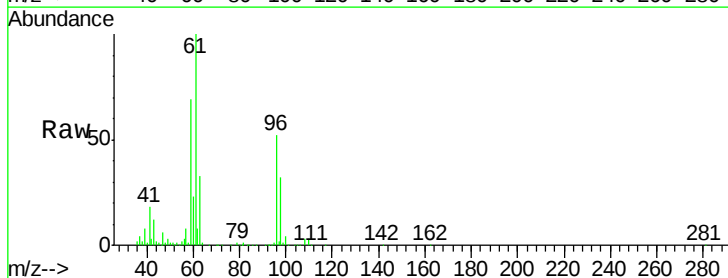
MMDadoda
 3/11/2020 3:26:13 PM

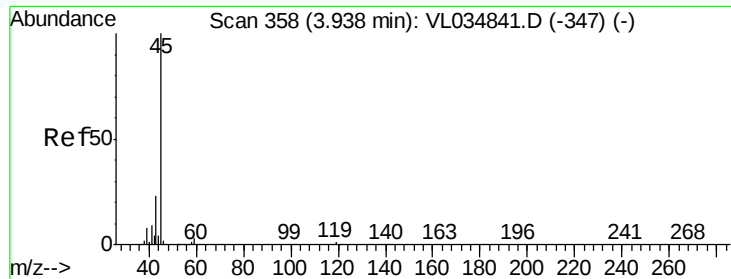


#18

1,1-Dichloroethene
 Concen: 9.516 ppbv
 RT: 4.26 min Scan# 458
 Delta R.T. -0.00 min
 Lab File: VL034850.D
 Acq: 9 Mar 2020 22:26

Tgt Ion	96.00	Resp	393850
Ion Ratio	100	Lower	Upper
96	100		
61	192.9	157.3	235.9
98	60.9	50.2	75.4





#19

Isopropyl Alcohol

Concen: 7.771 ppbv

RT: 3.94 min Scan# 359

Delta R.T. 0.00 min

Lab File: VL034850.D

Acq: 9 Mar 2020 22:26

Instrument :

MSVOA_L

ClientSampleId :

VL0309ABS01

Tot Ion: 45 Resp: 583017

Ion Ratio Lower Upper

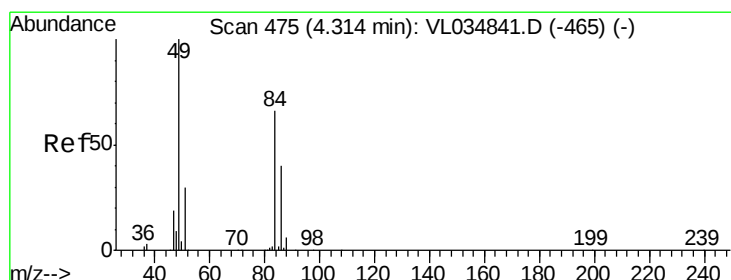
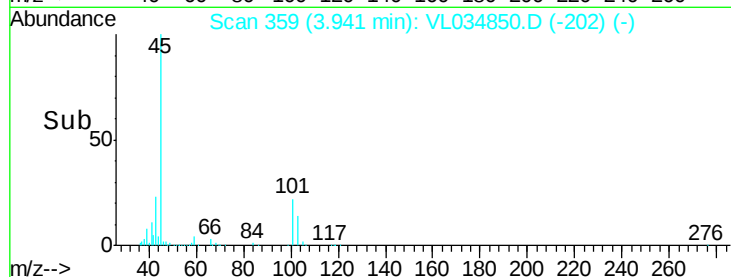
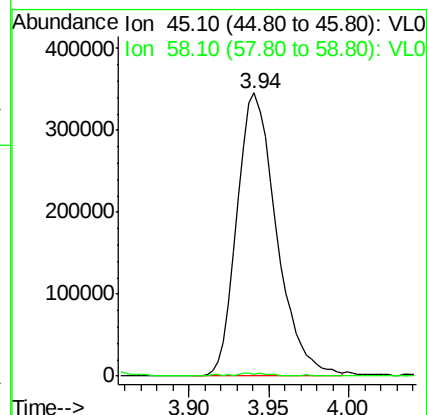
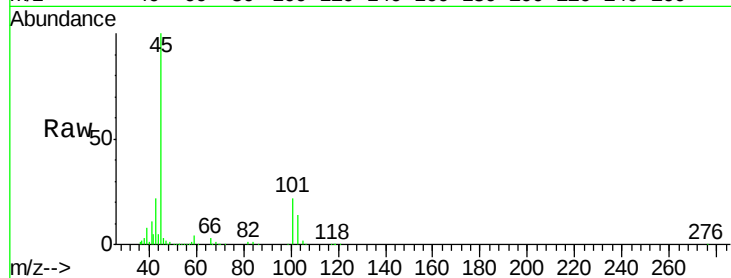
45 100

58 1.5 30.5 45.7#

Manual Integrations
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#20

Methylene Chloride

Concen: 9.084 ppbv

RT: 4.32 min Scan# 477

Delta R.T. 0.01 min

Lab File: VL034850.D

Acq: 9 Mar 2020 22:26

Tgt Ion: 84 Resp: 341189

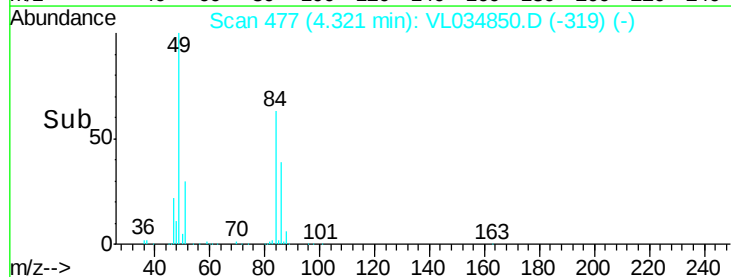
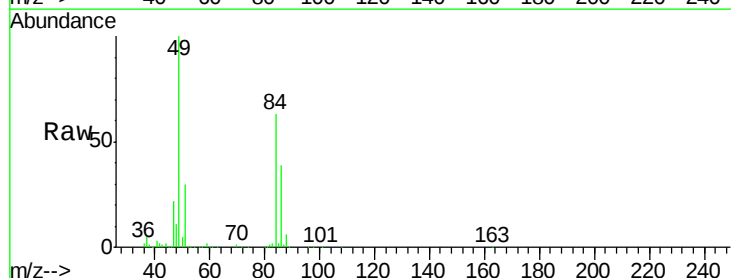
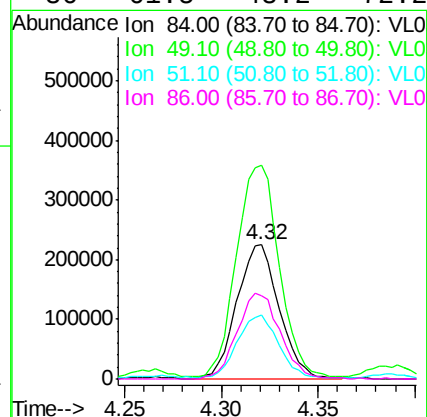
Ion Ratio Lower Upper

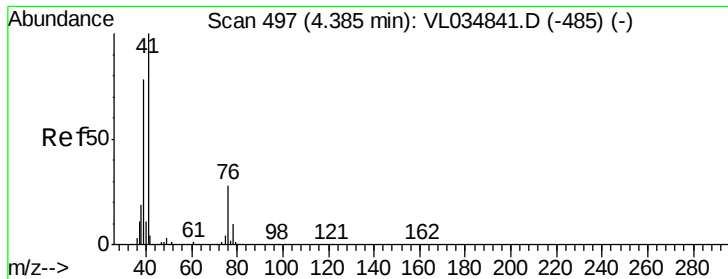
84 100

49 158.1 121.5 182.3

51 47.1 36.6 55.0

86 61.5 48.2 72.2





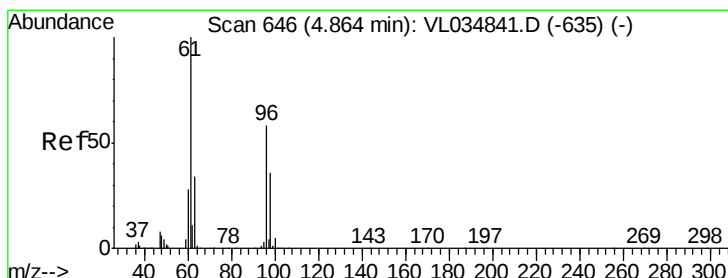
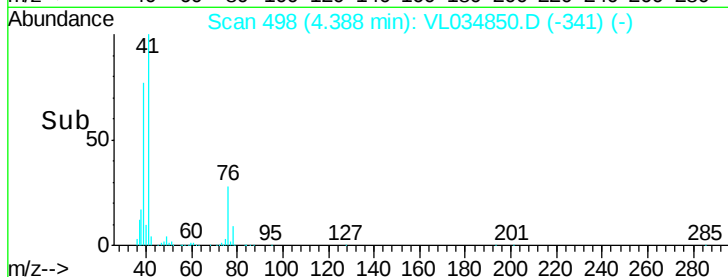
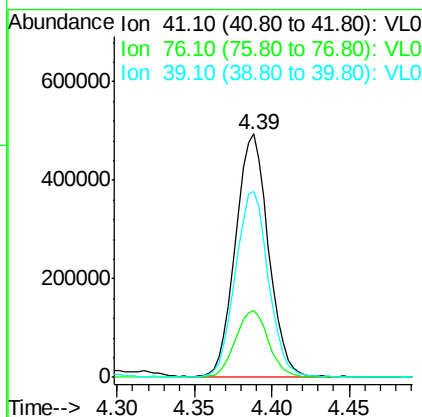
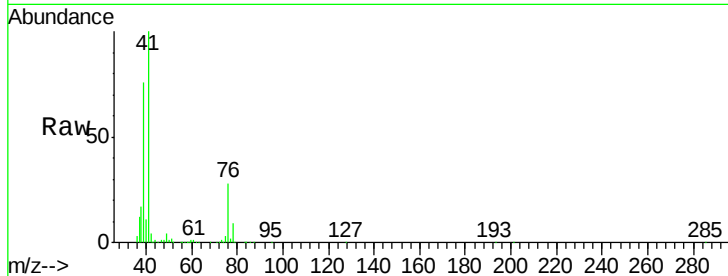
#21
Allvl Chloride
Concen: 9.534 ppbv
RT: 4.39 min Scan# 498
Delta R.T. 0.00 min
Lab File: VL034850.D
Acq: 9 Mar 2020 22:26

Instrument :
MSVOA_L
ClientSampleId :
VL0309ABS01

Tot Ion	Ratio	Lower	Upper
41	100		
76	27.8	22.2	33.2
39	77.2	62.6	93.8

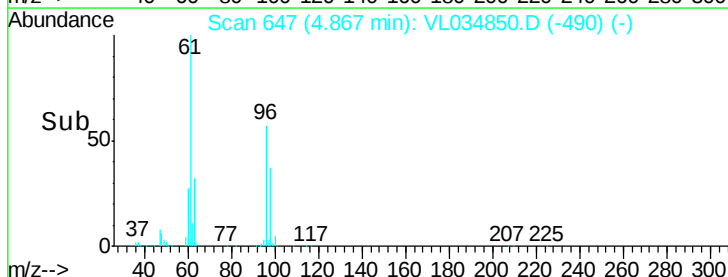
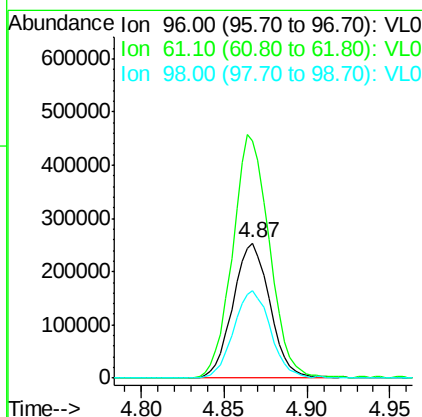
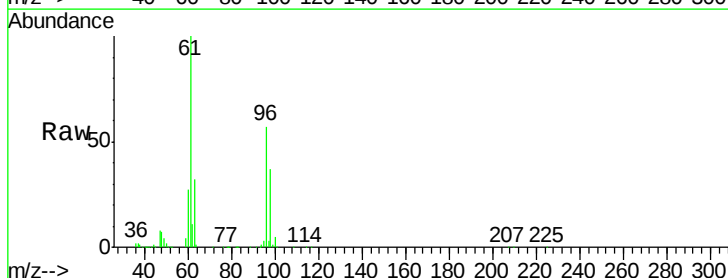
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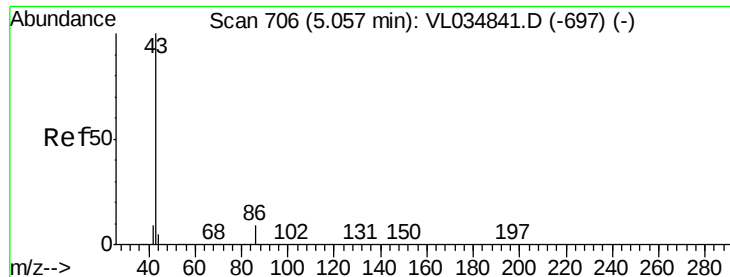
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#22
trans-1,2-Dichloroethene
Concen: 9.404 ppbv
RT: 4.87 min Scan# 647
Delta R.T. 0.00 min
Lab File: VL034850.D
Acq: 9 Mar 2020 22:26

Tgt Ion	Ratio	Lower	Upper
96	100		
61	175.4	139.0	208.6
98	65.0	50.3	75.5





#23

Vinyl Acetate

Concen: 9.785 ppbv

RT: 5.06 min Scan# 706

Delta R.T. 0.00 min

Lab File: VL034850.D

Acq: 9 Mar 2020 22:26

Tot Ion: 43 Resp: 1717172

Ion Ratio Lower Upper

43 100

86 7.1 6.3 9.5

42 10.0 7.8 11.8

44 5.5 4.0 6.0

Instrument :

MSVOA_L

ClientSampleId :

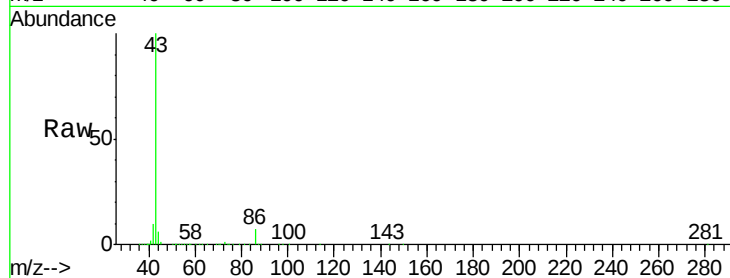
VL0309ABS01

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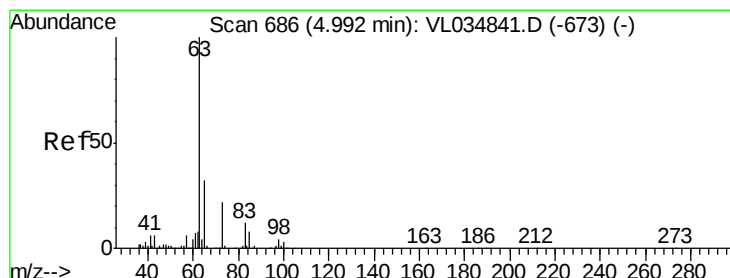
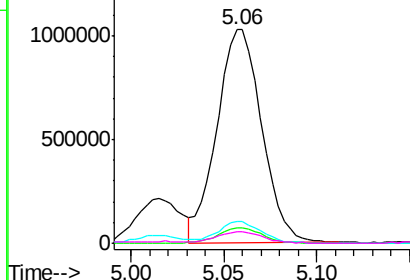
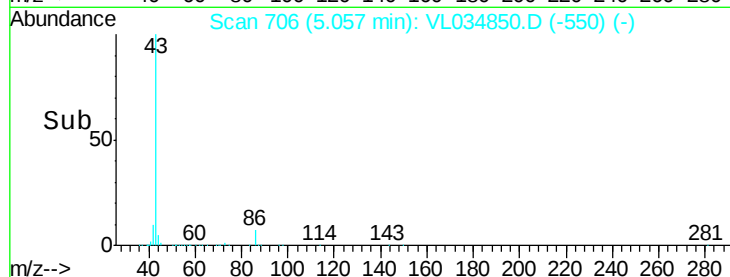


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.146 ppbv

RT: 5.00 min Scan# 687

Delta R.T. 0.00 min

Lab File: VL034850.D

Acq: 9 Mar 2020 22:26

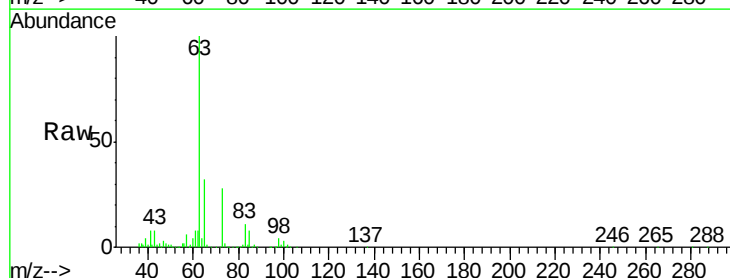
Tgt Ion: 63 Resp: 1075895

Ion Ratio Lower Upper

63 100

98 4.2 2.0 5.8

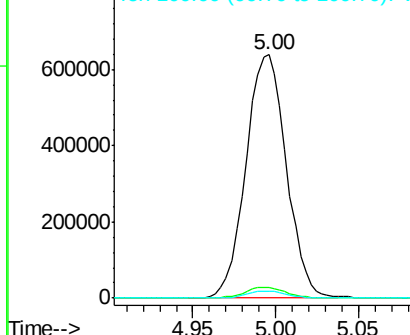
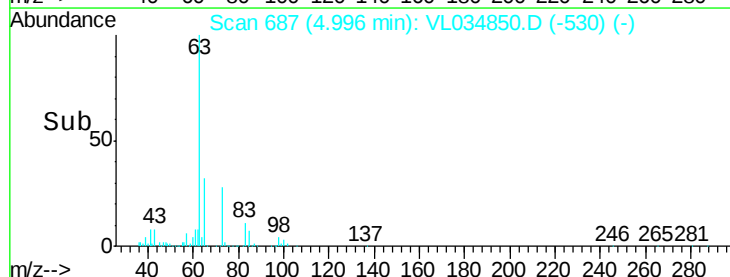
100 2.8 1.4 4.0

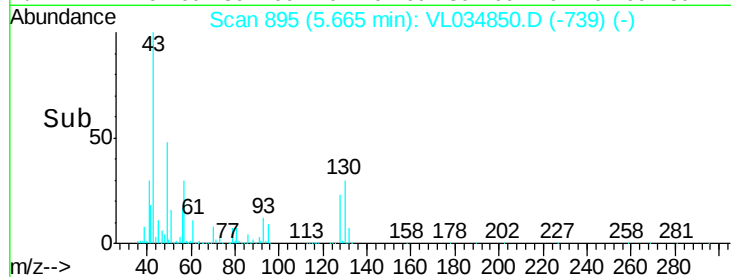
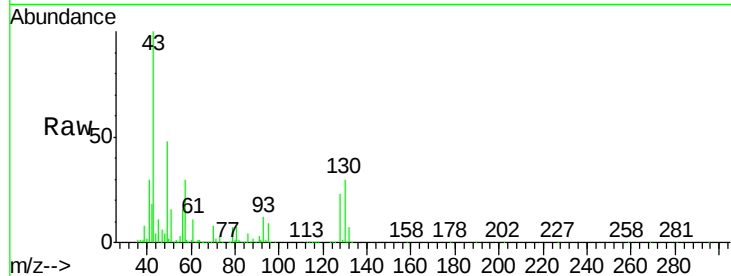
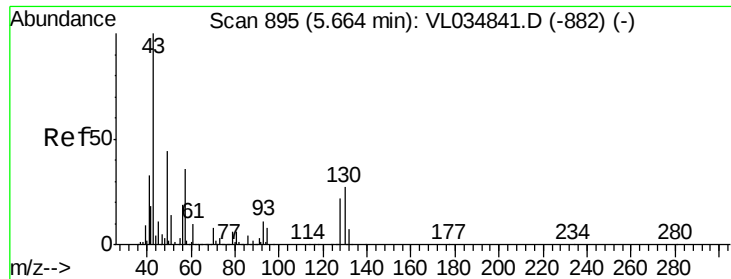


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

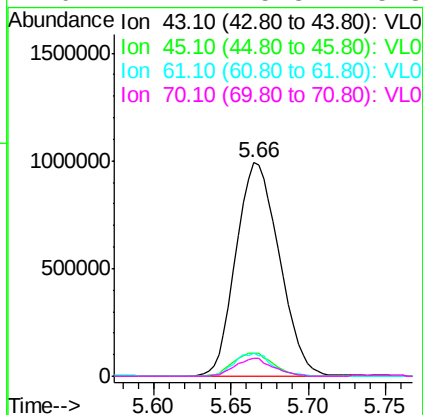
Ion 100.00 (99.70 to 100.70): VL0





#25
Ethyl Acetate
Concen: 9.136 ppbv
RT: 5.66 min Scan# 895
Delta R.T. 0.00 min
Lab File: VL034850.D
Acq: 9 Mar 2020 22:26

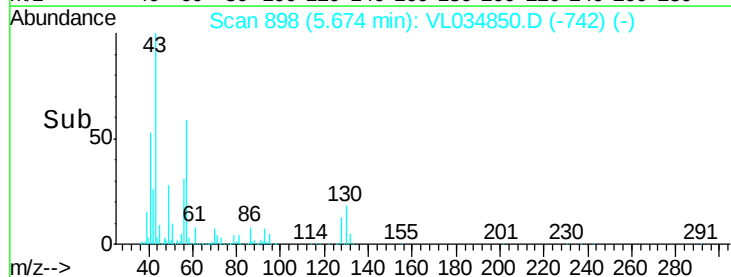
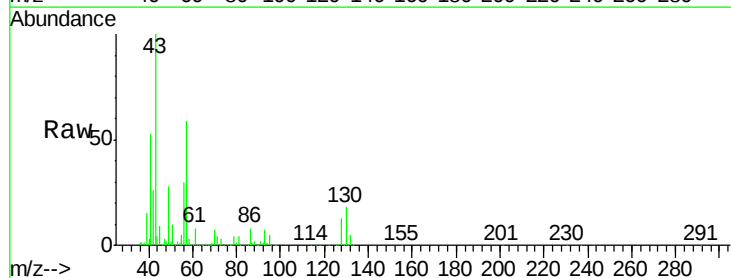
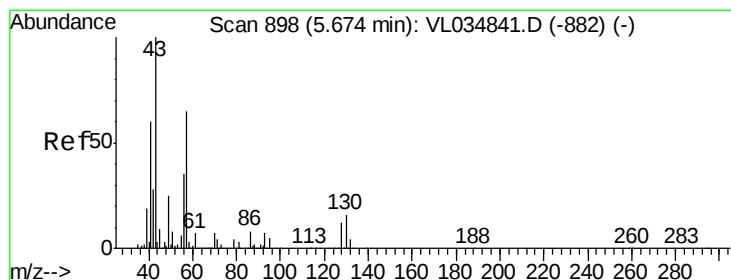
Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	10.1	8.2	12.2	
61	9.8	7.8	11.6	
70	7.4	5.8	8.8	



Instrument :
MSVOA_L
ClientSampleId :
VL0309ABS01

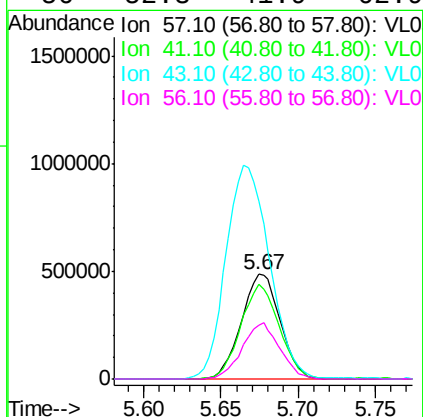
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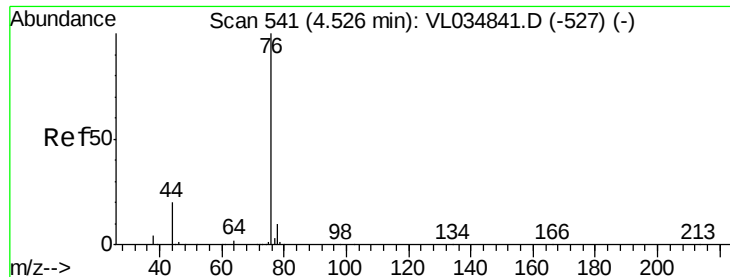
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#26
Hexane
Concen: 9.307 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.00 min
Lab File: VL034850.D
Acq: 9 Mar 2020 22:26

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	90.1	72.6	109.0	
43	229.1	183.8	275.6	
56	52.3	41.9	62.9	





#27

Carbon Disulfide

Concen: 9.866 ppbv

RT: 4.53 min Scan# 541

Delta R.T. 0.00 min

Lab File: VL034850.D

Acq: 9 Mar 2020 22:26

Instrument :

MSVOA_L

ClientSampleId :

VL0309ABS01

Tot Ion: 76 Resp: 1020323

Ion Ratio Lower Upper

76 100

44 19.4 16.2 24.2

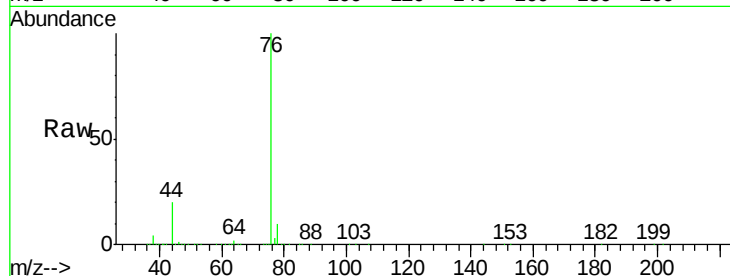
78 9.1 7.8 11.6

Manual Integrations

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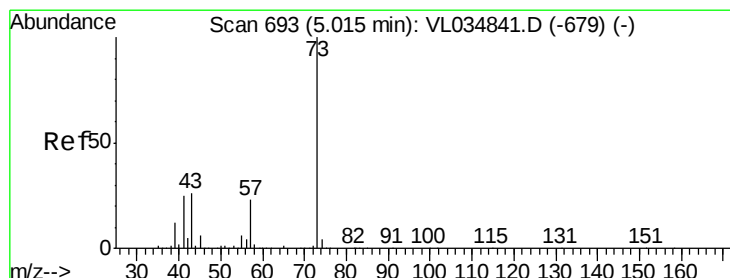
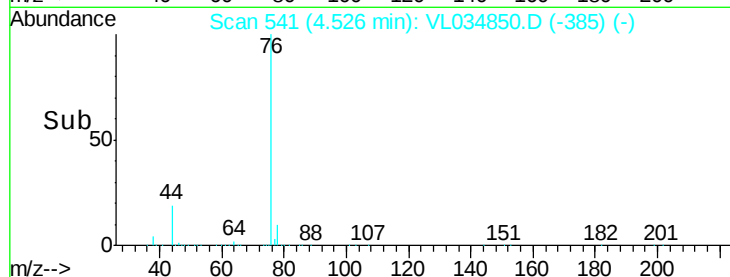
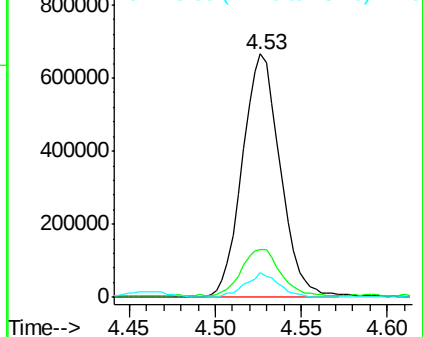
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Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 9.465 ppbv

RT: 5.02 min Scan# 693

Delta R.T. 0.00 min

Lab File: VL034850.D

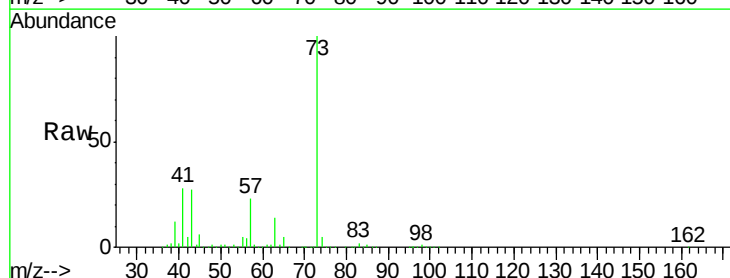
Acq: 9 Mar 2020 22:26

Tgt Ion: 73 Resp: 1435294

Ion Ratio Lower Upper

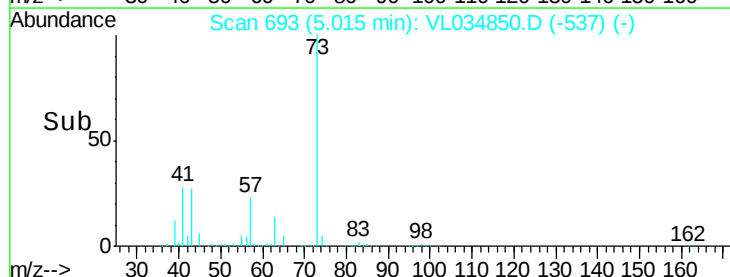
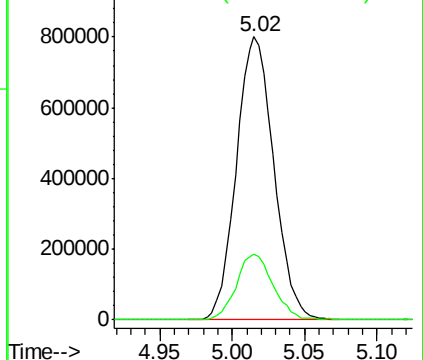
73 100

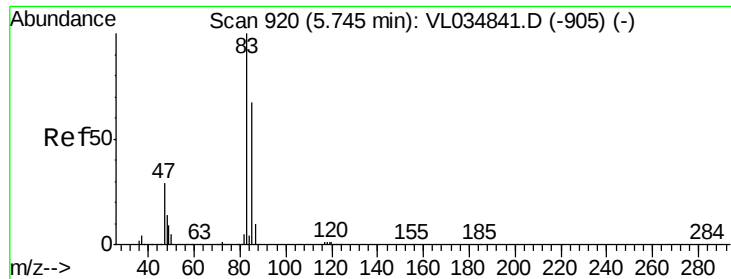
57 23.0 18.3 27.5



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





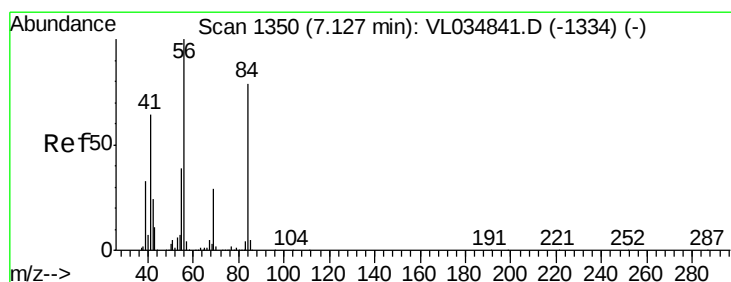
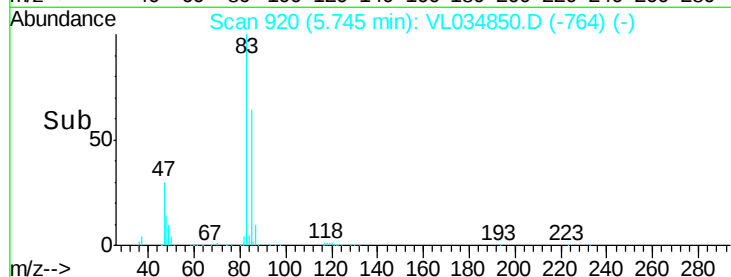
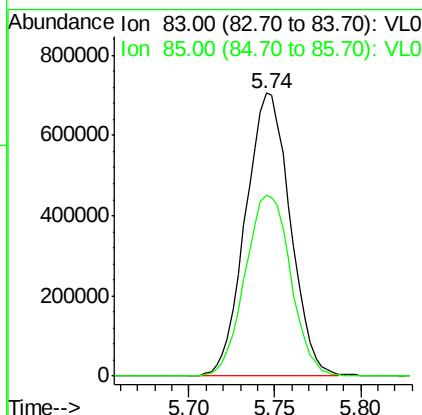
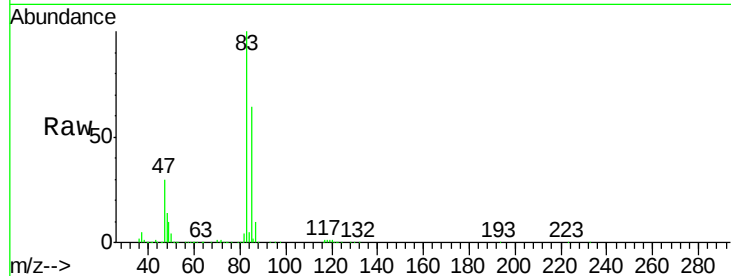
#29
Chloroform
Concen: 9.141 ppbv
RT: 5.74 min Scan# 920
Delta R.T. 0.00 min
Lab File: VL034850.D
Acq: 9 Mar 2020 22:26

Instrument :
MSVOA_L
ClientSampleId :
VL0309ABS01

Tot Ion: 83 Resp: 1271161
Ion Ratio Lower Upper
83 100
85 63.7 53.8 80.6

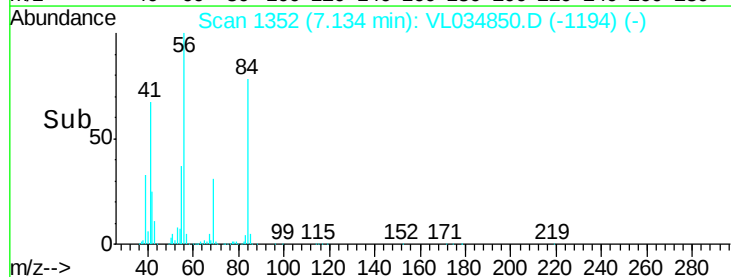
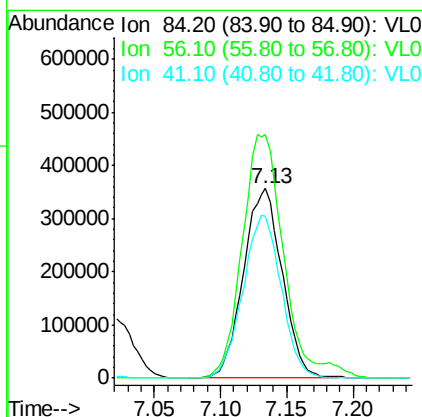
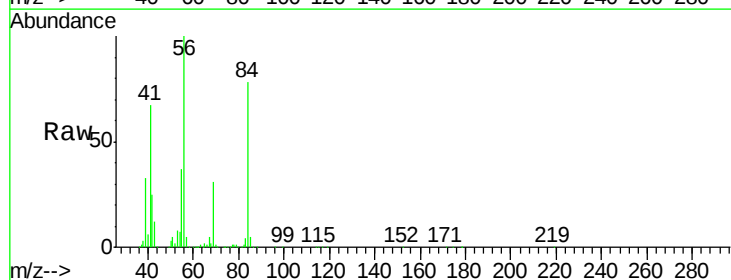
Manual Integrations
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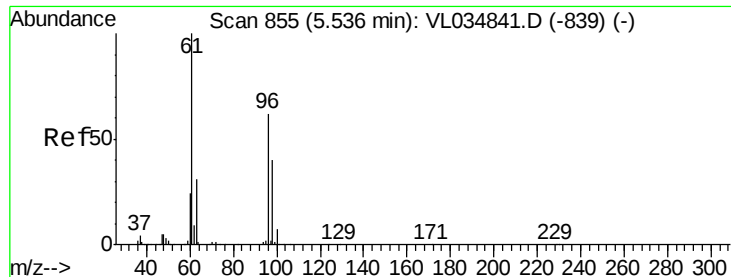
MMDadoda
3/11/2020 3:26:13 PM



#30
Cyclohexane
Concen: 9.550 ppbv
RT: 7.13 min Scan# 1352
Delta R.T. 0.01 min
Lab File: VL034850.D
Acq: 9 Mar 2020 22:26

Tgt Ion: 84 Resp: 726164
Ion Ratio Lower Upper
84 100
56 138.6 110.5 165.7
41 85.0 68.2 102.4





#31

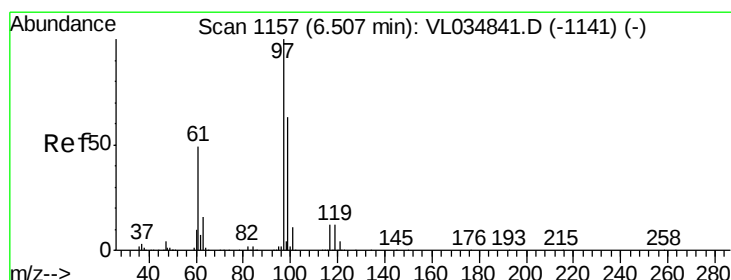
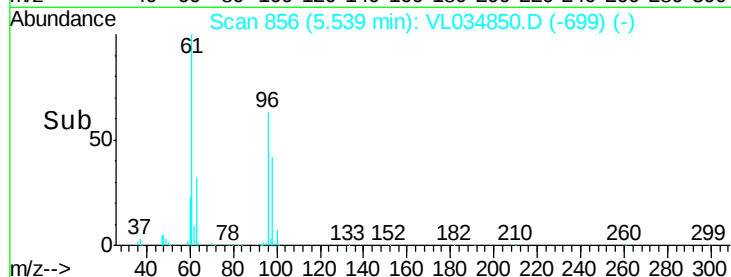
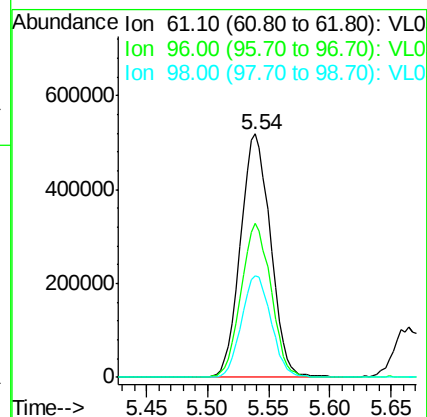
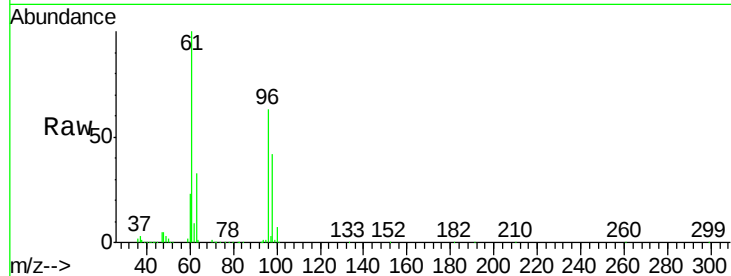
cis-1,2-Dichloroethene
Concen: 9.478 ppbv
RT: 5.54 min Scan# 856
Delta R.T. 0.00 min
Lab File: VL034850.D
Acq: 9 Mar 2020 22:26

Instrument :
MSVOA_L
ClientSampleId :
VL0309ABS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
61	100		883397		
96	63.4	49.8	74.8		
98	41.9	32.2	48.4		

Manual Integrations
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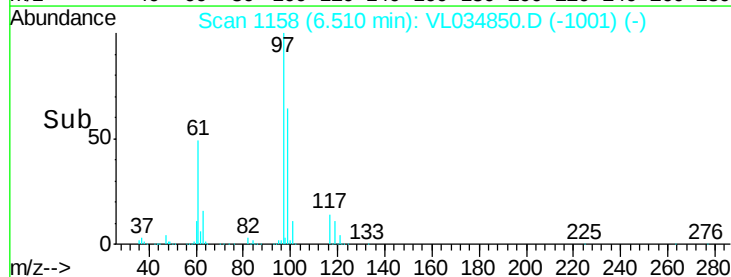
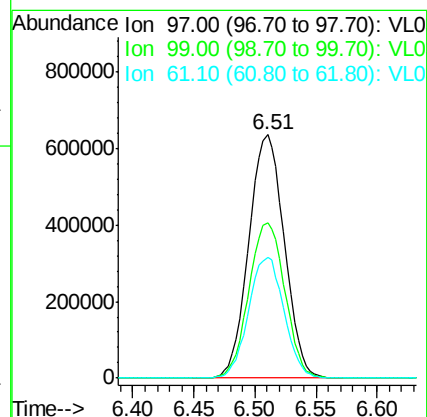
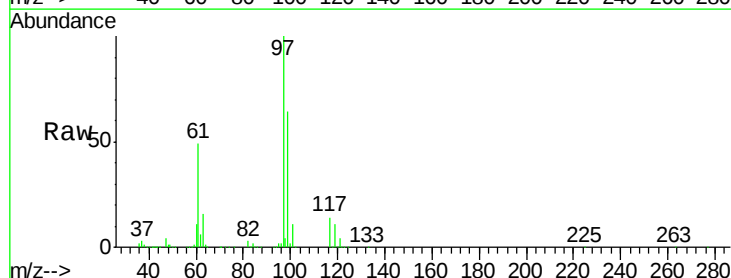
MMDadoda
3/11/2020 3:26:13 PM

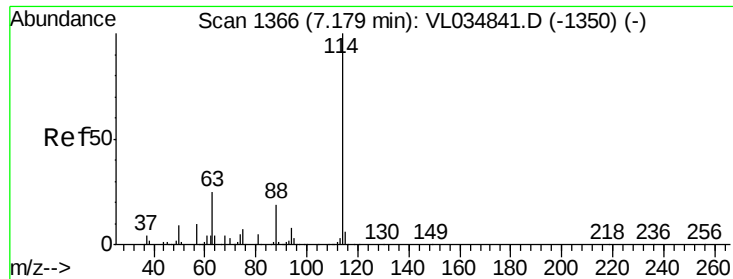


#32

1,1,1-Trichloroethane
Concen: 9.424 ppbv
RT: 6.51 min Scan# 1158
Delta R.T. 0.00 min
Lab File: VL034850.D
Acq: 9 Mar 2020 22:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100		1276877		
99	64.8	51.1	76.7		
61	49.7	39.7	59.5		





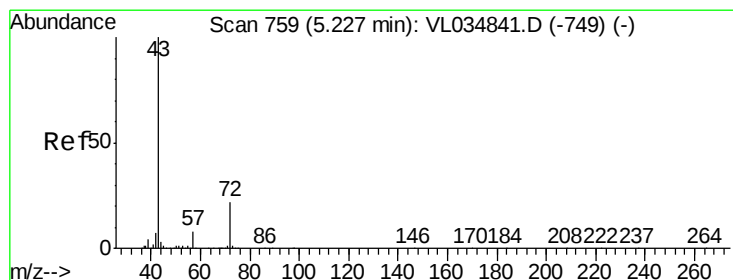
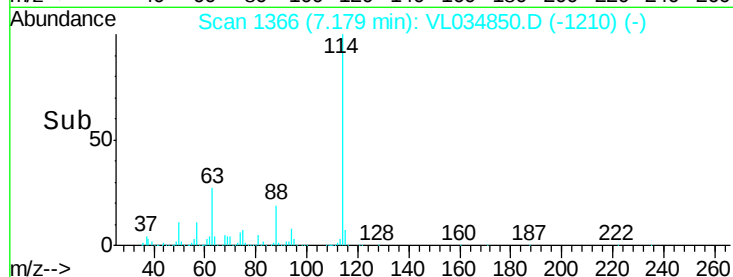
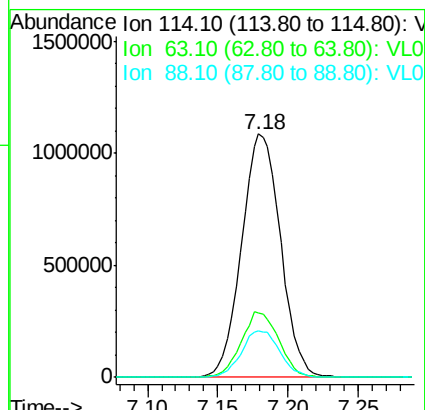
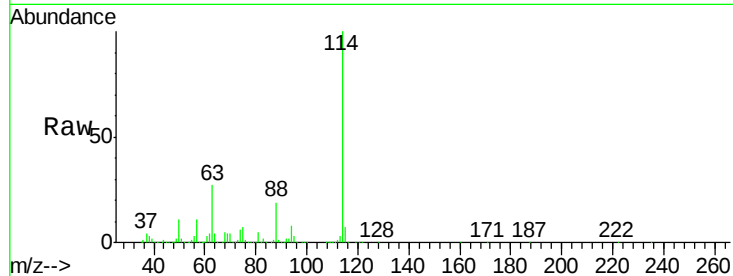
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. 0.00 min
 Lab File: VL034850.D
 Acq: 9 Mar 2020 22:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0309ABS01

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.6	20.6	31.0
88	19.1	15.0	22.6

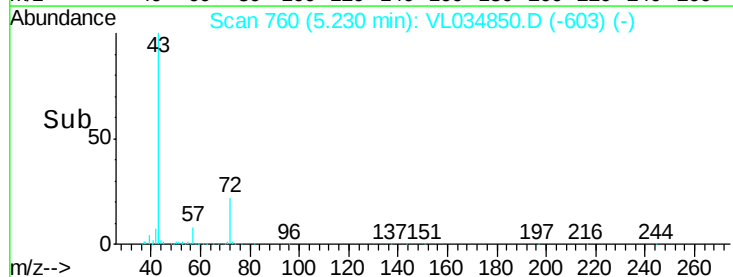
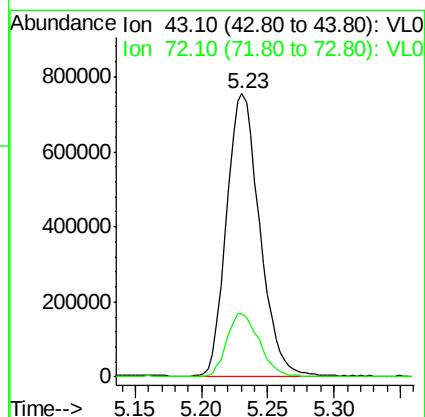
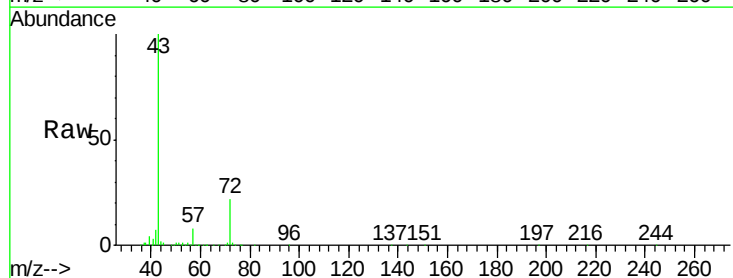
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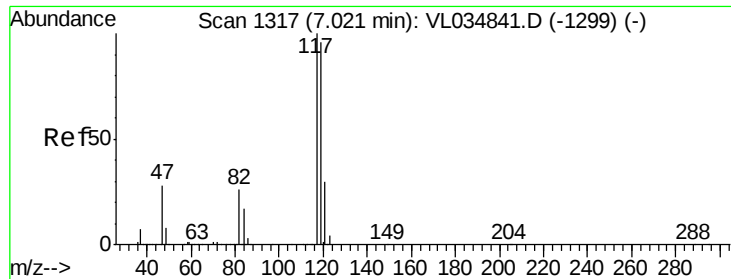
MMDadoda
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#34
 2-Butanone
 Concen: 9.389 ppbv
 RT: 5.23 min Scan# 760
 Delta R.T. 0.00 min
 Lab File: VL034850.D
 Acq: 9 Mar 2020 22:26

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.3	17.6	26.4





#35

Carbon Tetrachloride

Concen: 10.061 ppbv

RT: 7.02 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VL034850.D

Acq: 9 Mar 2020 22:26

Instrument :

MSVOA_L

ClientSampleId :

VL0309ABS01

Tot Ion:117 Resp: 1311544

Ion Ratio Lower Upper

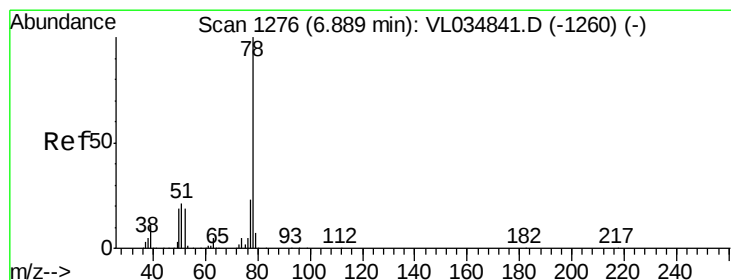
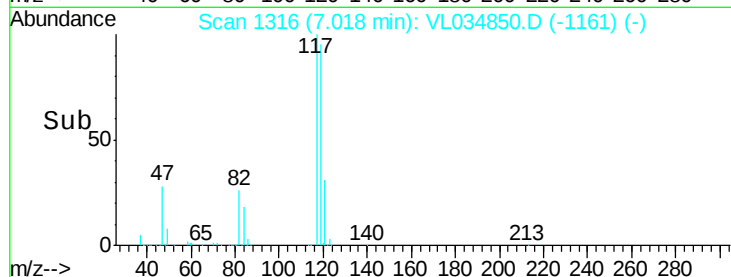
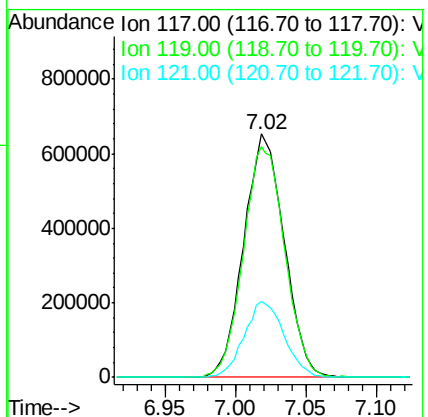
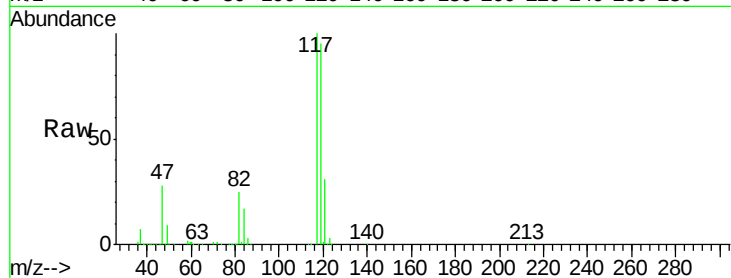
117 100

119 94.6 77.0 115.4

121 31.1 24.0 36.0

Manual Integrations
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#36

Benzene

Concen: 9.253 ppbv

RT: 6.89 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VL034850.D

Acq: 9 Mar 2020 22:26

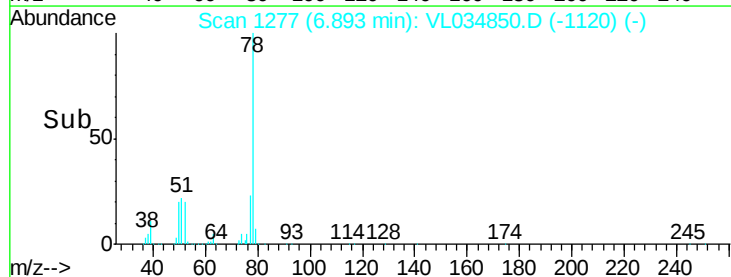
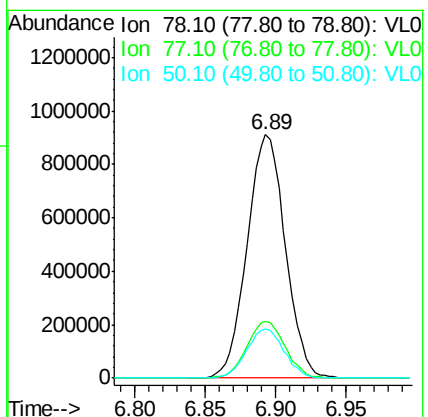
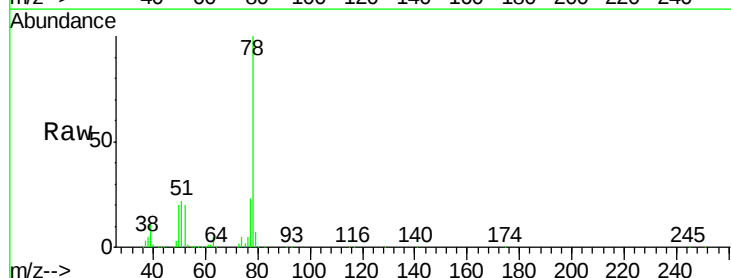
Tgt Ion: 78 Resp: 1728612

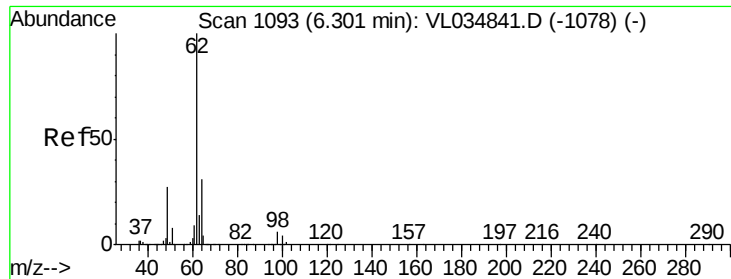
Ion Ratio Lower Upper

78 100

77 23.1 18.2 27.2

50 20.3 15.2 22.8





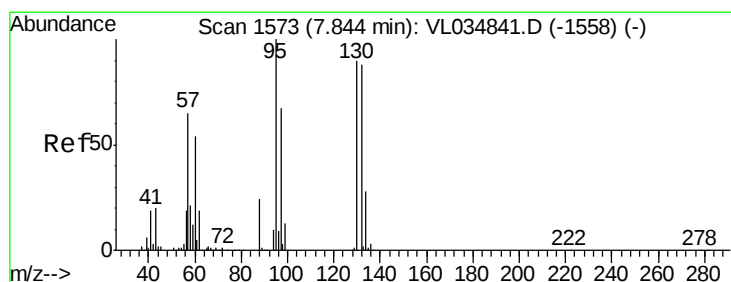
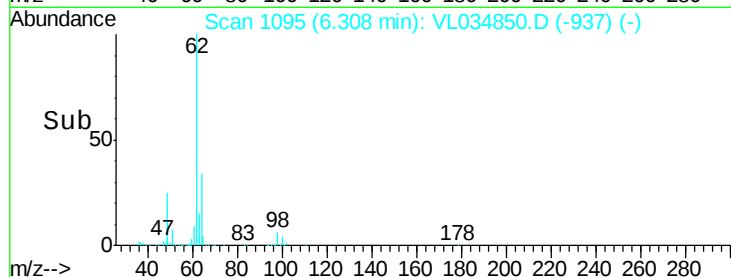
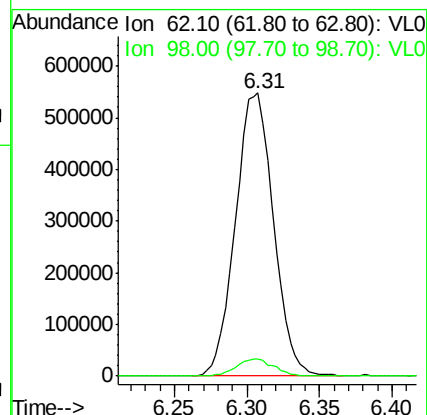
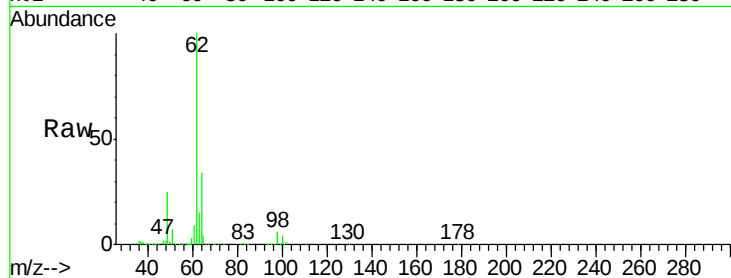
#37
 1,2-Dichloroethane
 Concen: 9.459 ppbv
 RT: 6.31 min Scan# 1095
 Delta R.T. 0.01 min
 Lab File: VL034850.D
 Acq: 9 Mar 2020 22:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0309ABS01

Tot Ion	Ratio	Resp	Lower	Upper
62	100	996403		
98	6.2		5.2	7.8

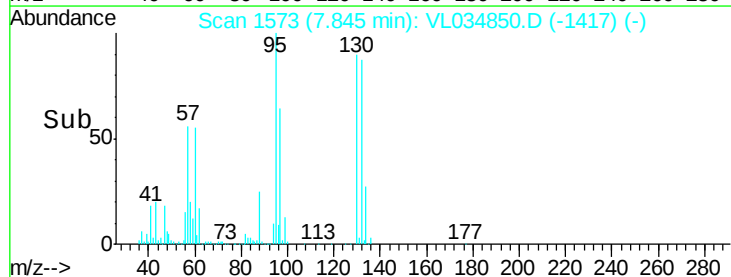
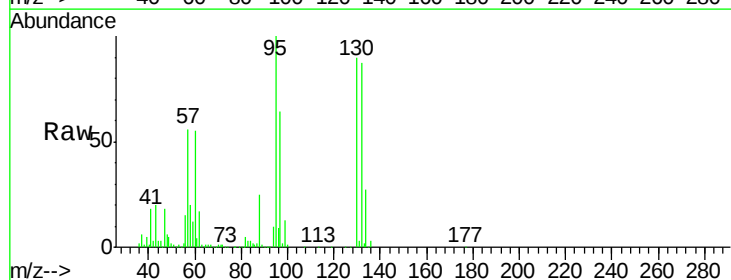
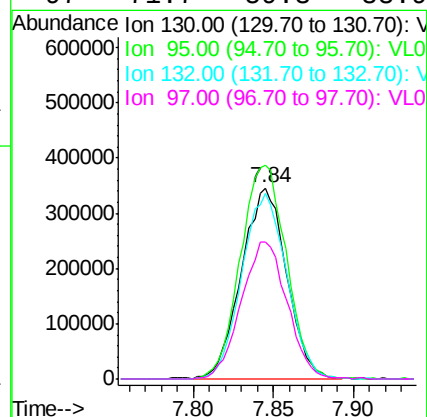
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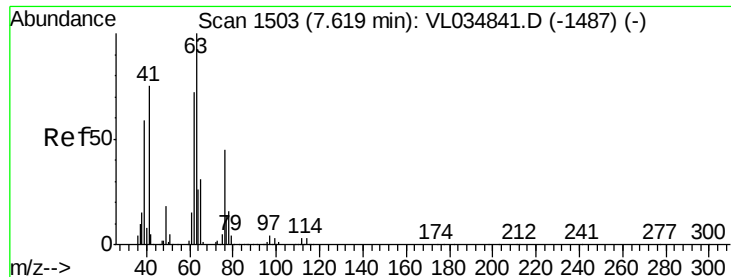
MMDadoda
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#38
 Trichloroethene
 Concen: 9.434 ppbv
 RT: 7.84 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VL034850.D
 Acq: 9 Mar 2020 22:26

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	669319		
95	111.5		88.5	132.7
132	96.6		78.0	117.0
97	71.7		59.3	88.9





#39

1,2-Dichloropropane

Concen: 9.211 ppbv

RT: 7.62 min Scan# 1503

Delta R.T. 0.00 min

Lab File: VL034850.D

Acq: 9 Mar 2020 22:26

Instrument :

MSVOA_L

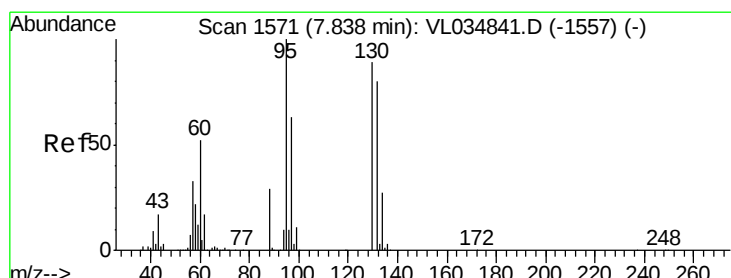
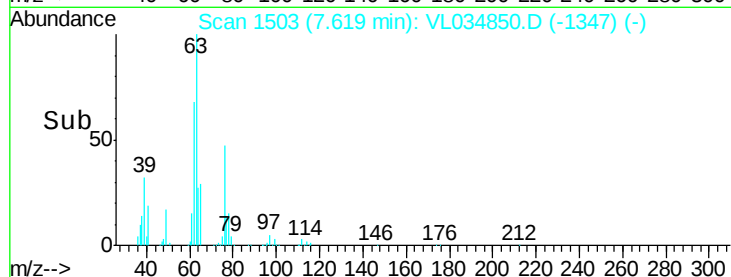
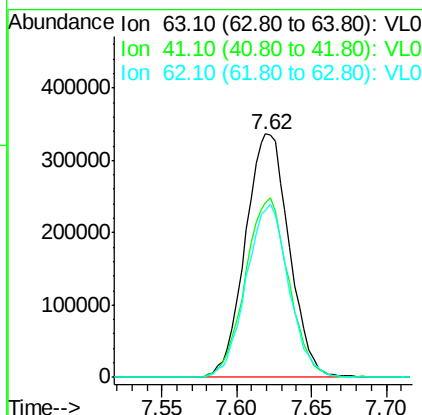
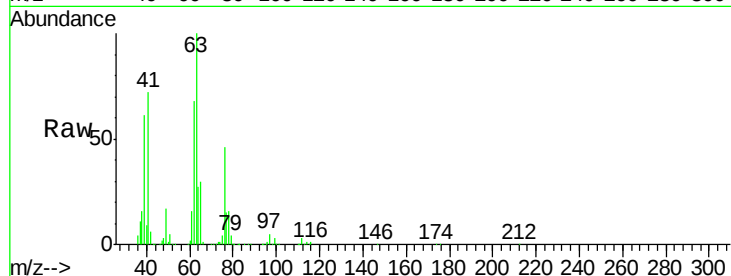
ClientSampleId :

VL0309ABS01

Tot Ion:	63	Resp:	681776
Ion	Ratio	Lower	Upper
63	100		
41	71.7	59.8	89.8
62	68.4	57.6	86.4

Manual Integrations
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#40

1,4-Dioxane

Concen: 4.329 ppbv

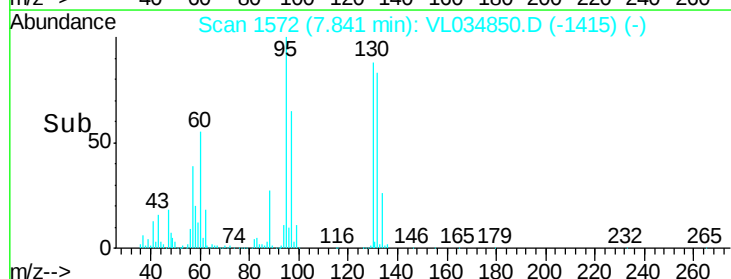
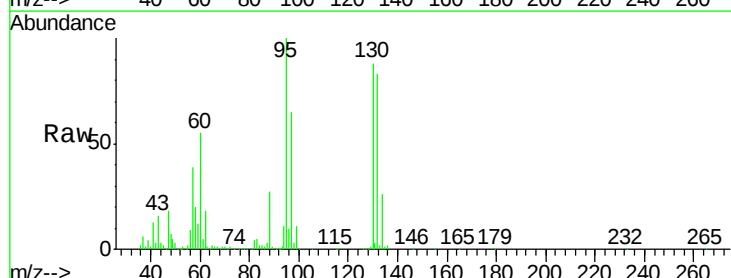
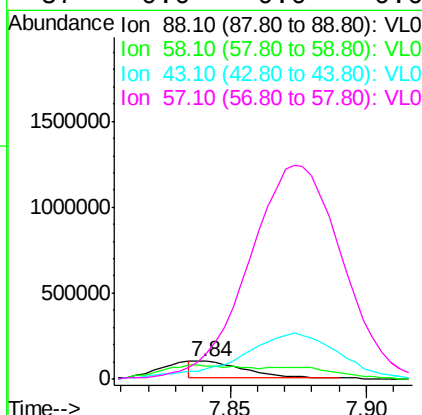
RT: 7.84 min Scan# 1572

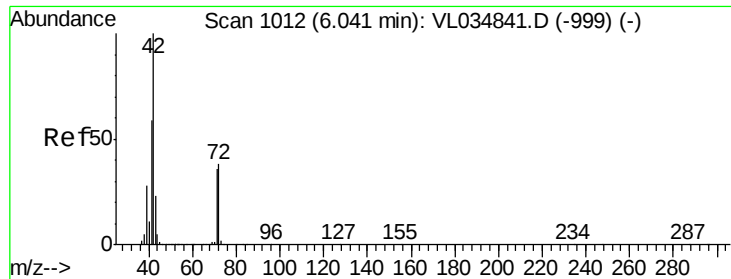
Delta R.T. 0.00 min

Lab File: VL034850.D

Acq: 9 Mar 2020 22:26

Tgt Ion:	88	Resp:	120997
Ion	Ratio	Lower	Upper
88	100		
58	255.0	103.9	155.9#
43	0.0	0.0	0.0
57	0.0	0.0	0.0





#41

Tetrahydrofuran

Concen: 9.891 ppbv

RT: 6.04 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VL034850.D

Acq: 9 Mar 2020 22:26

Instrument :

MSVOA_L

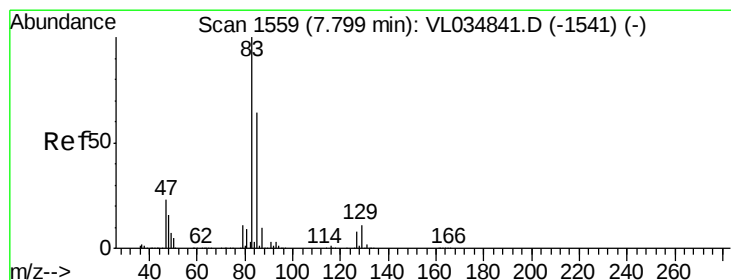
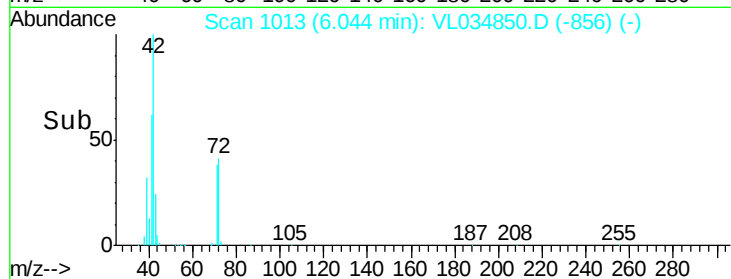
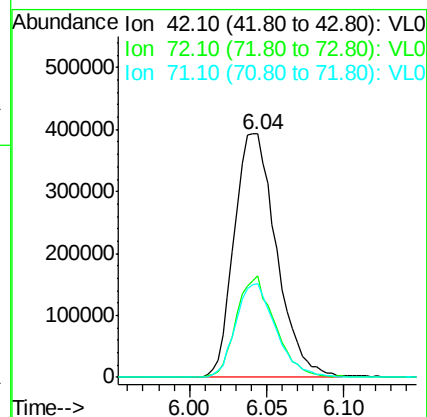
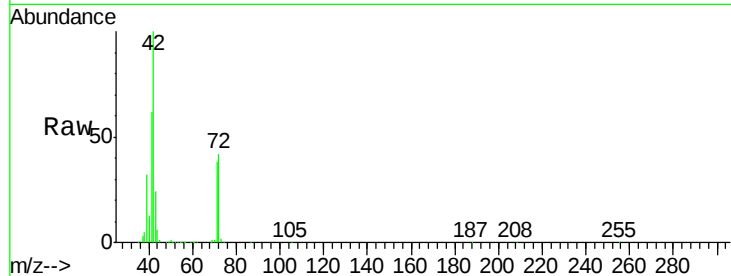
ClientSampleId :

VL0309ABS01

Tot Ion:	42	Resp:	745384
Ion Ratio		Lower	Upper
42	100		
72	38.2	30.8	46.2
71	36.9	30.1	45.1

Manual Integrations
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#42

Bromodichloromethane

Concen: 9.515 ppbv

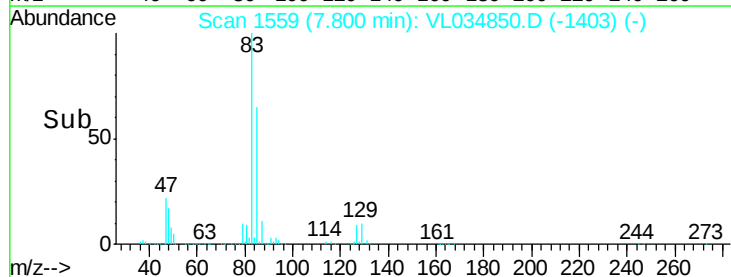
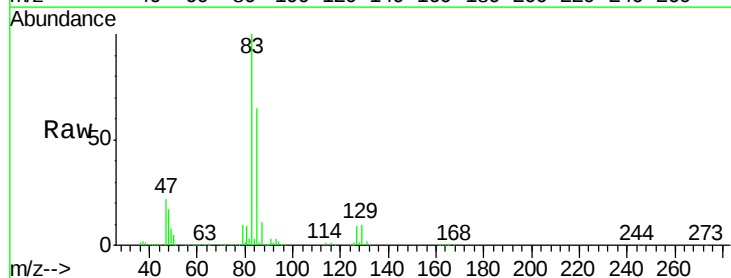
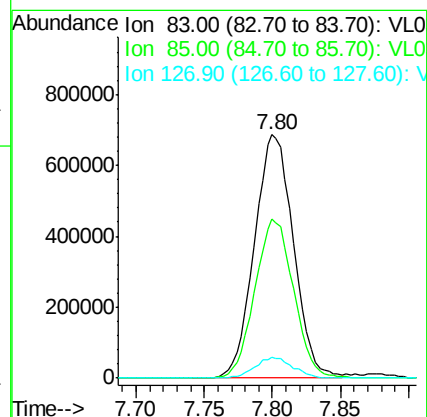
RT: 7.80 min Scan# 1559

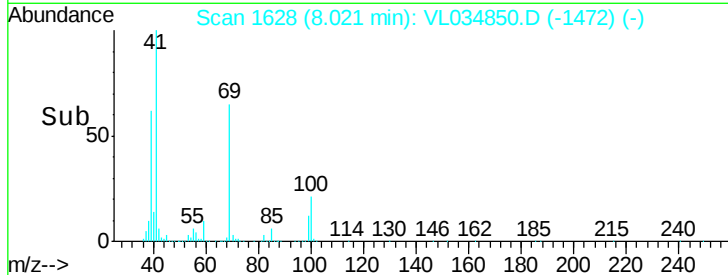
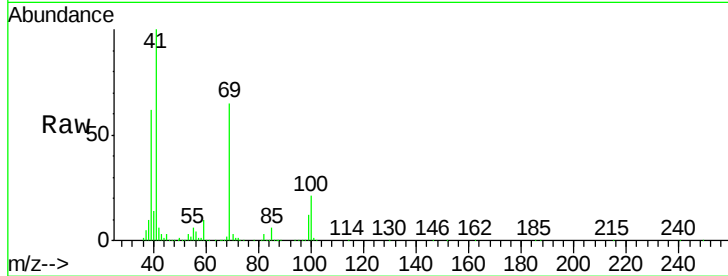
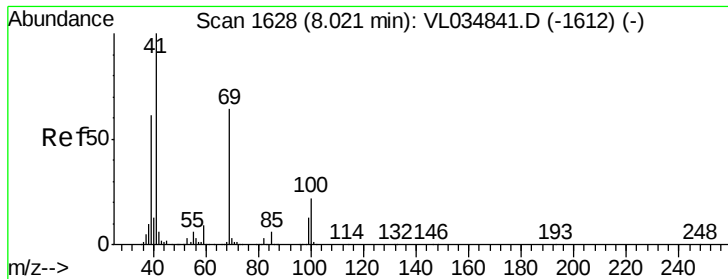
Delta R.T. 0.00 min

Lab File: VL034850.D

Acq: 9 Mar 2020 22:26

Tgt Ion:	83	Resp:	1365921
Ion Ratio		Lower	Upper
83	100		
85	65.3	51.4	77.2
127	8.6	6.2	9.4





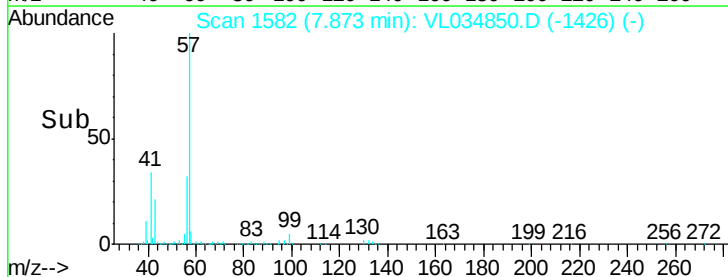
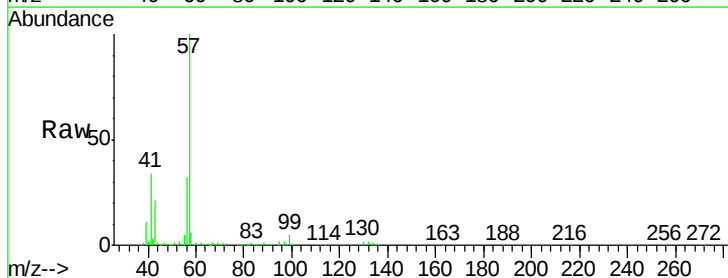
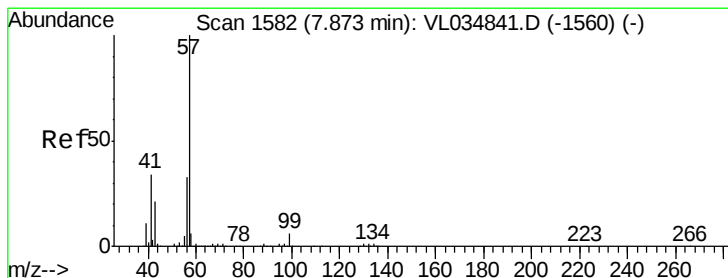
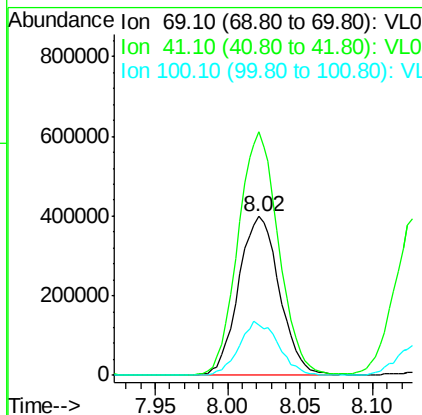
#43
Methvl Methacrylate
Concen: 9.950 ppbv
RT: 8.02 min Scan# 1628
Delta R.T. 0.00 min
Lab File: VL034850.D
Acq: 9 Mar 2020 22:26

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	152.0	123.2	184.8	
100	32.6	26.9	40.3	

Instrument :
MSVOA_L
ClientSampleId :
VL0309ABS01

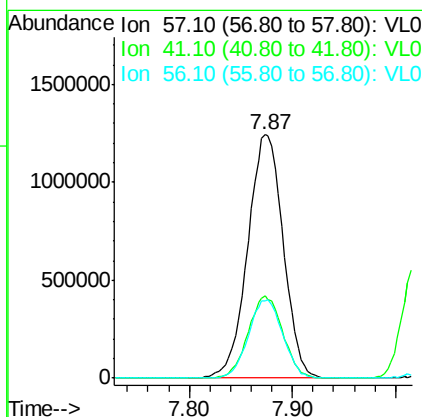
Manual Integrations
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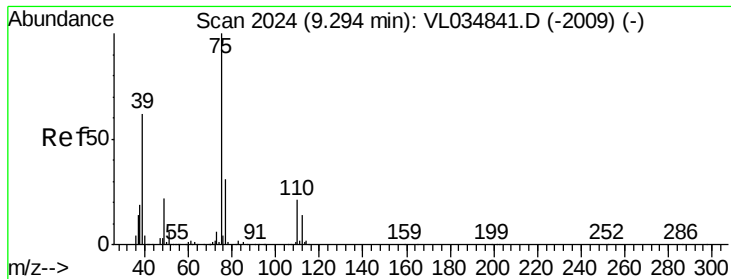
MMDadoda
3/11/2020 3:26:13 PM



#44
2,2,4-Trimethylpentane
Concen: 9.380 ppbv
RT: 7.87 min Scan# 1582
Delta R.T. 0.00 min
Lab File: VL034850.D
Acq: 9 Mar 2020 22:26

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	32.9	26.2	39.4	
56	31.2	25.0	37.4	





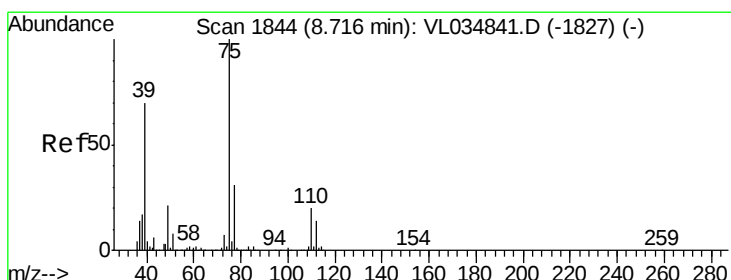
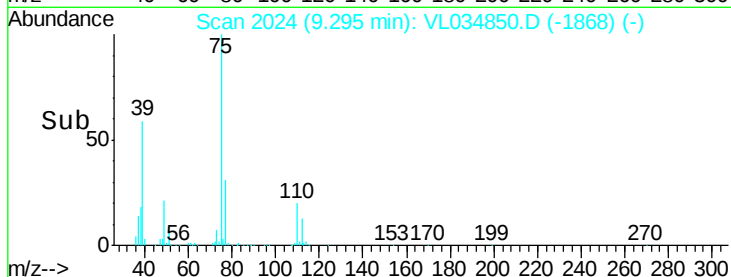
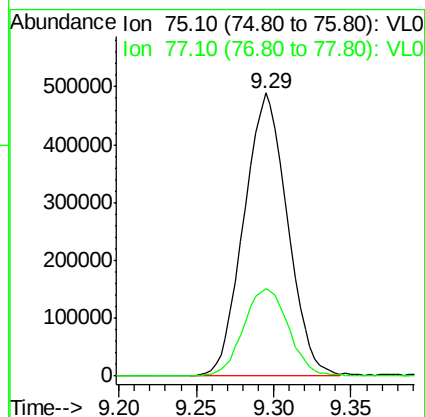
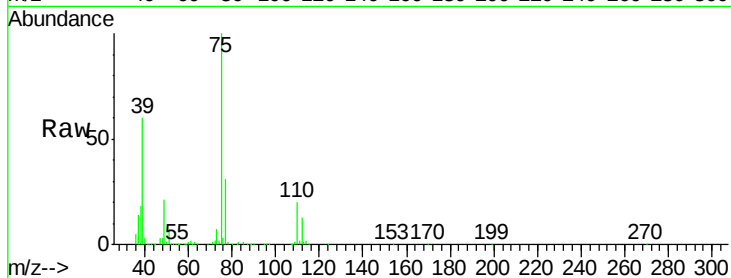
#45
t-1,3-Dichloropropene
Concen: 10.359 ppbv
RT: 9.29 min Scan# 2024
Delta R.T. 0.00 min
Lab File: VL034850.D
Acq: 9 Mar 2020 22:26

Instrument :
MSVOA_L
ClientSampleId :
VL0309ABS01

Tot Ion: 75 Resp: 957830
Ion Ratio Lower Upper
75 100
77 31.0 24.6 37.0

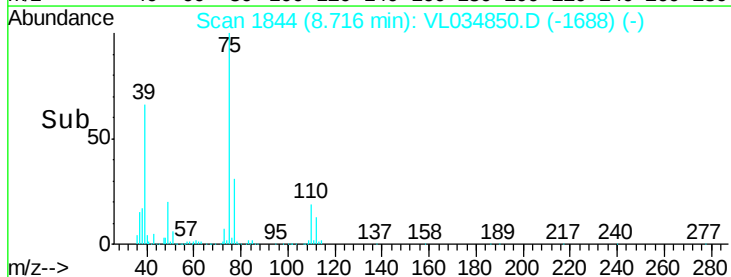
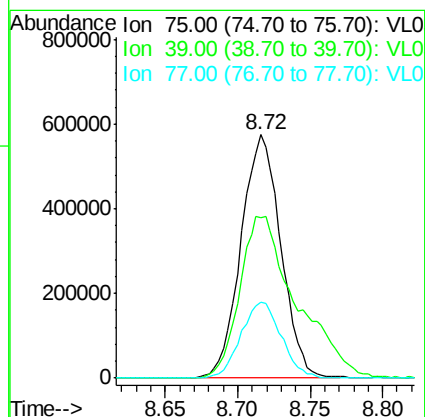
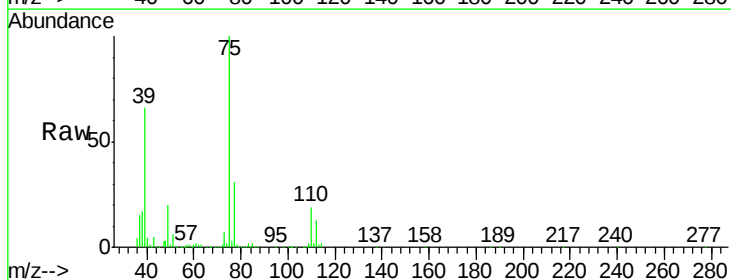
Manual Integrations
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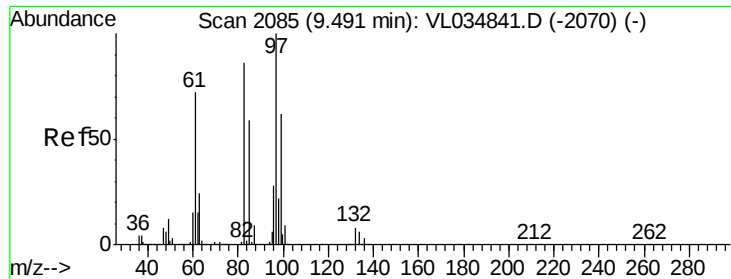
MMDadoda
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#46
cis-1,3-Dichloropropene
Concen: 9.983 ppbv
RT: 8.72 min Scan# 1844
Delta R.T. 0.00 min
Lab File: VL034850.D
Acq: 9 Mar 2020 22:26

Tgt Ion: 75 Resp: 1096915
Ion Ratio Lower Upper
75 100
39 65.7 55.7 83.5
77 31.1 24.7 37.1





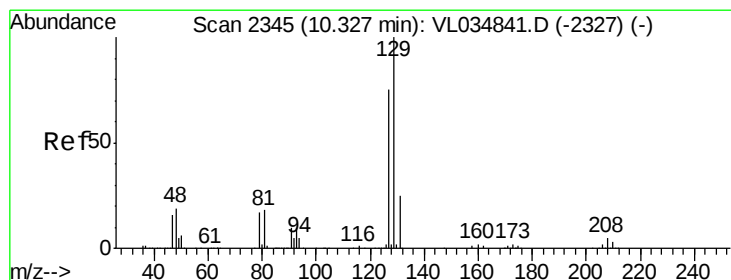
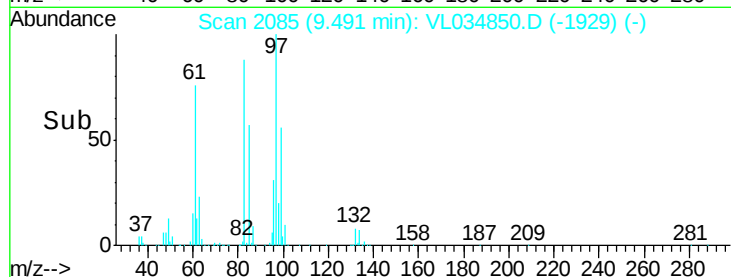
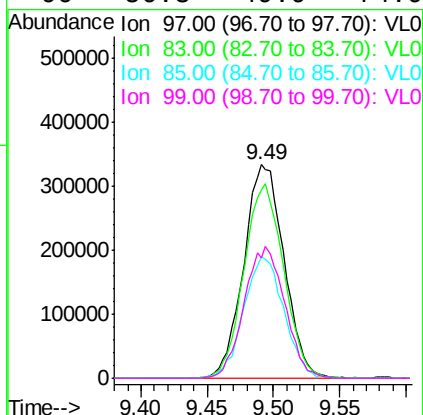
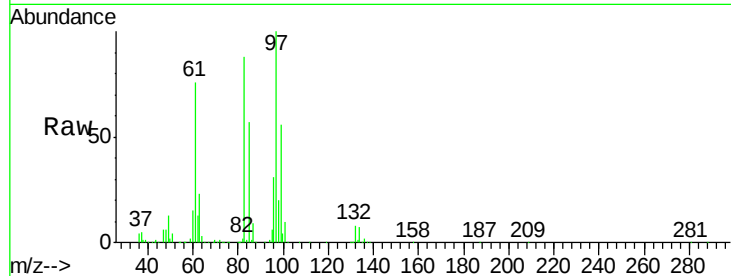
#47
 1,1,2-Trichloroethane
 Concen: 9.284 ppbv
 RT: 9.49 min Scan# 2085
 Delta R.T. 0.00 min
 Lab File: VL034850.D
 Acq: 9 Mar 2020 22:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0309ABS01

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	88.3	68.6	102.8	
85	57.0	46.9	70.3	
99	56.3	49.9	74.9	

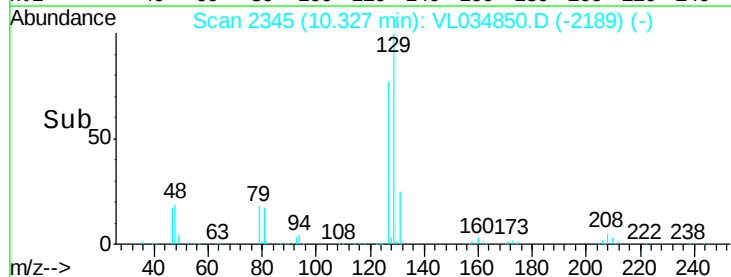
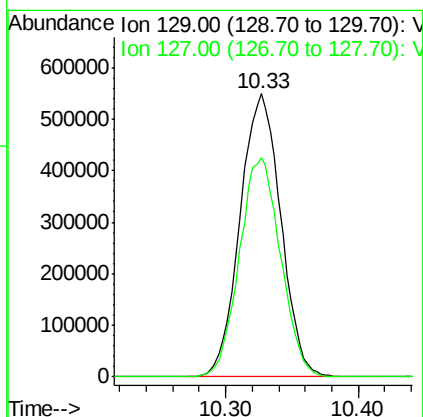
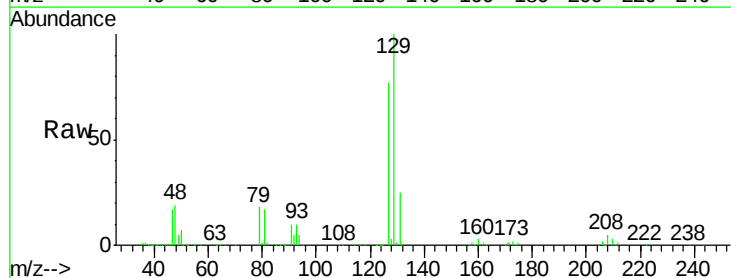
Manual Integrations
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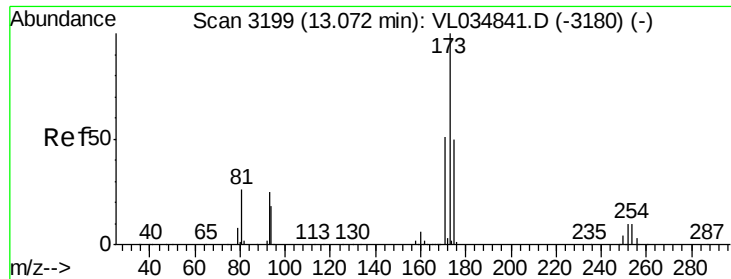
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#48
 Dibromochloromethane
 Concen: 9.518 ppbv
 RT: 10.33 min Scan# 2345
 Delta R.T. 0.00 min
 Lab File: VL034850.D
 Acq: 9 Mar 2020 22:26

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	78.3	39.6	118.7	





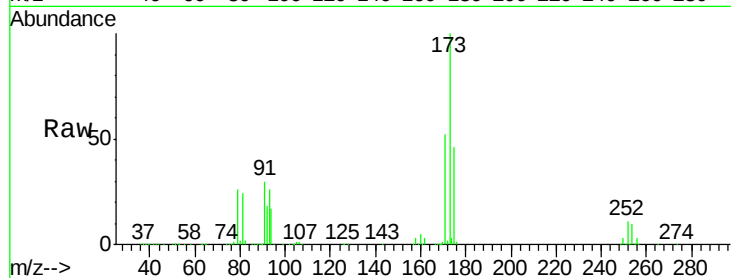
#49
Bromoform
Concen: 9.428 ppbv
RT: 13.07 min Scan# 3198
Delta R.T. -0.00 min
Lab File: VL034850.D
Acq: 9 Mar 2020 22:26

Instrument :
MSVOA_L
ClientSampleId :
VL0309ABS01

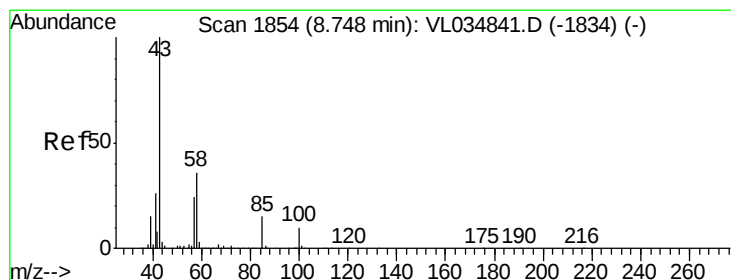
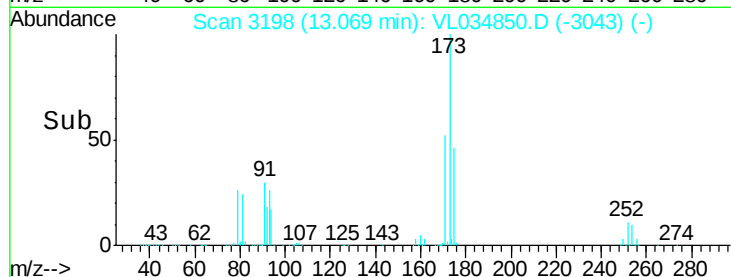
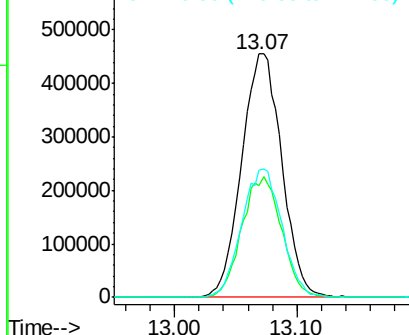
Tot Ion:173 Resp: 1034090
Ion Ratio Lower Upper
173 100
175 49.2 39.6 59.4
171 52.8 41.0 61.6

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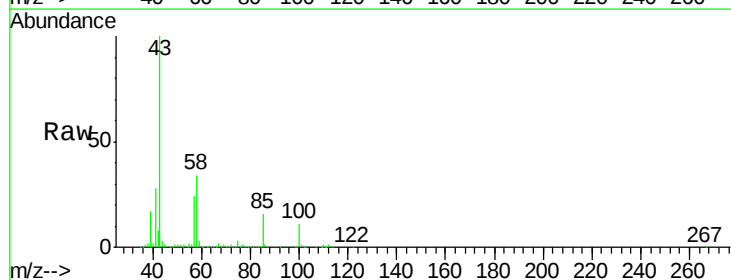


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V

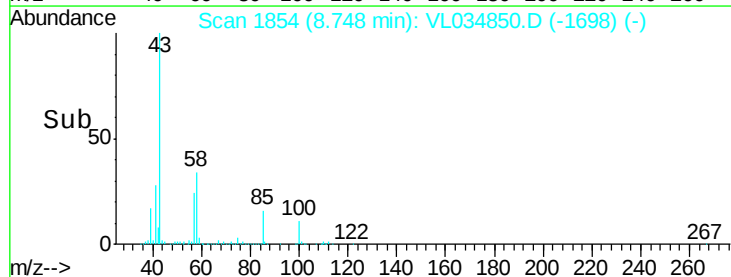
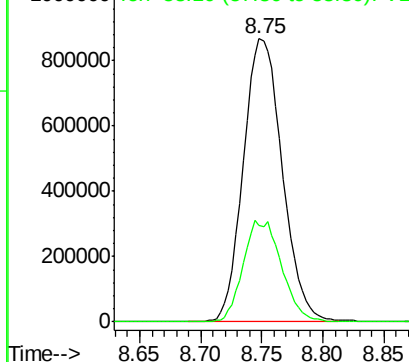


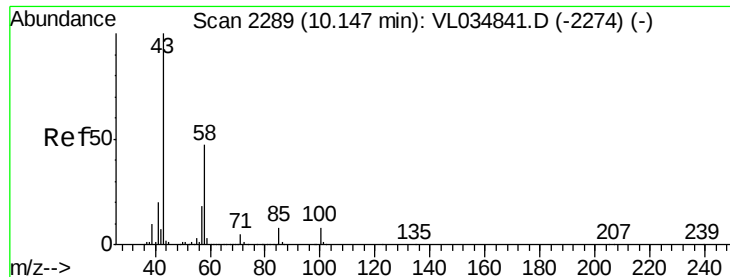
#50
4-Methyl-2-Pentanone
Concen: 9.510 ppbv
RT: 8.75 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VL034850.D
Acq: 9 Mar 2020 22:26

Tgt Ion: 43 Resp: 1906717
Ion Ratio Lower Upper
43 100
58 35.4 28.6 42.8



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





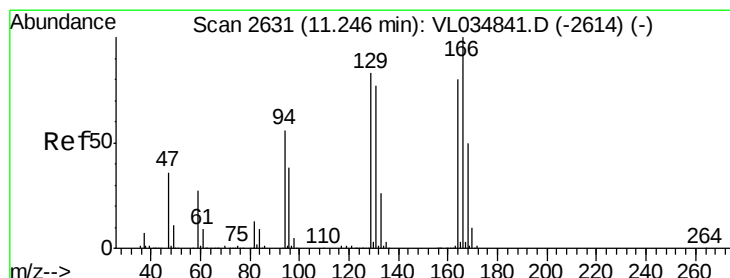
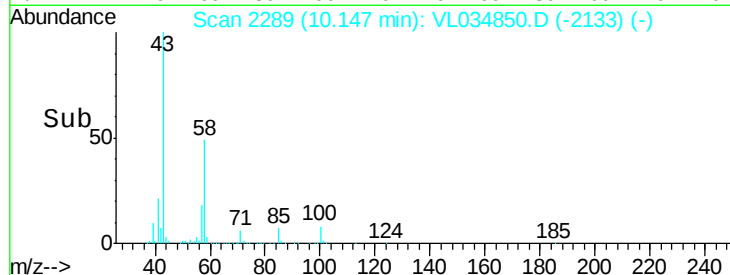
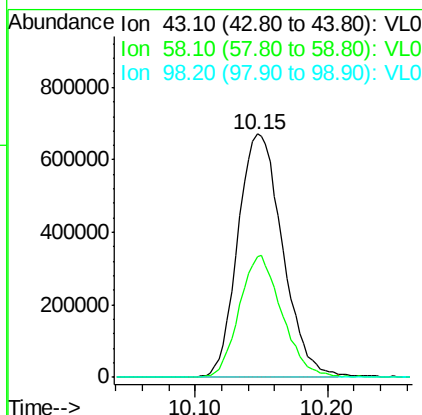
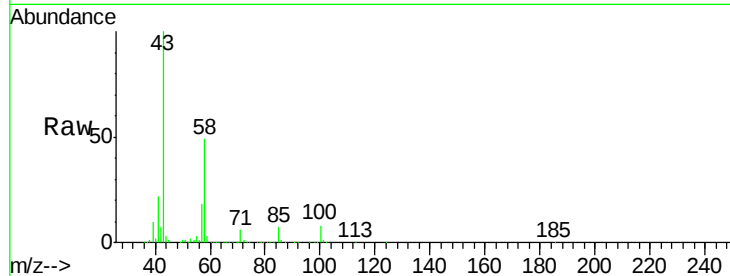
#51
2-Hexanone
Concen: 9.622 ppbv
RT: 10.15 min Scan# 2289
Delta R.T. 0.00 min
Lab File: VL034850.D
Acq: 9 Mar 2020 22:26

Instrument :
MSVOA_L
ClientSampleId :
VL0309ABS01

Tot Ion: 43 Resp: 1567704
Ion Ratio Lower Upper
43 100
58 48.2 38.6 58.0
98 0.1 0.1 0.1

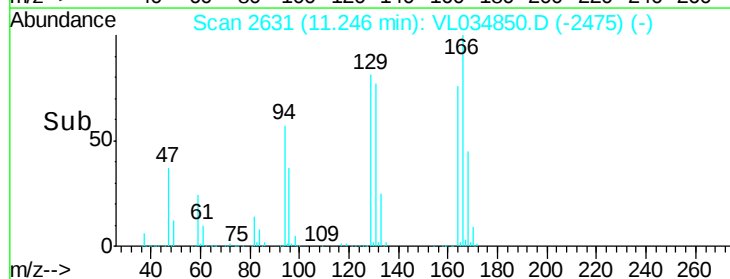
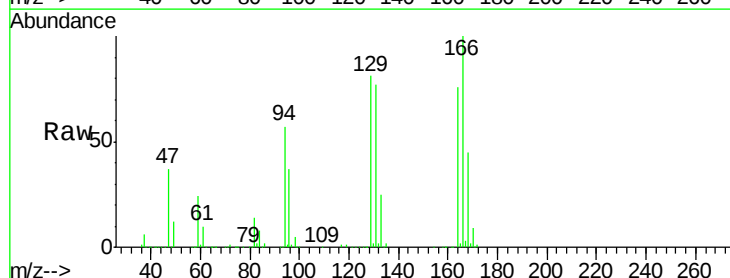
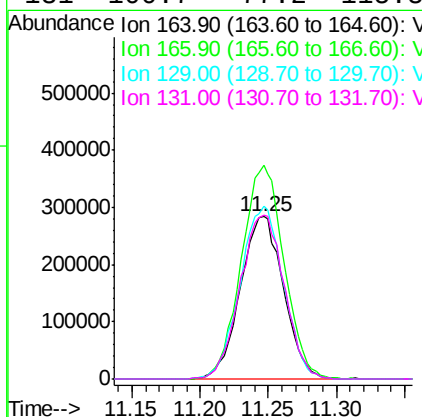
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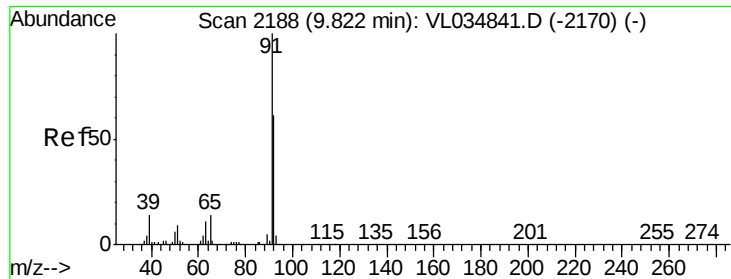
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#52
Tetrachloroethene
Concen: 8.430 ppbv
RT: 11.25 min Scan# 2631
Delta R.T. 0.00 min
Lab File: VL034850.D
Acq: 9 Mar 2020 22:26

Tgt Ion: 164 Resp: 623038
Ion Ratio Lower Upper
164 100
166 131.3 100.0 150.0
129 106.2 83.1 124.7
131 100.7 77.2 115.8





#53

Toluene

Concen: 9.371 ppbv

RT: 9.82 min Scan# 2188

Delta R.T. 0.00 min

Lab File: VL034850.D

Acq: 9 Mar 2020 22:26

Instrument :

MSVOA_L

ClientSampleId :

VL0309ABS01

Tot Ion: 91 Resp: 2021541

Ion Ratio Lower Upper

91 100

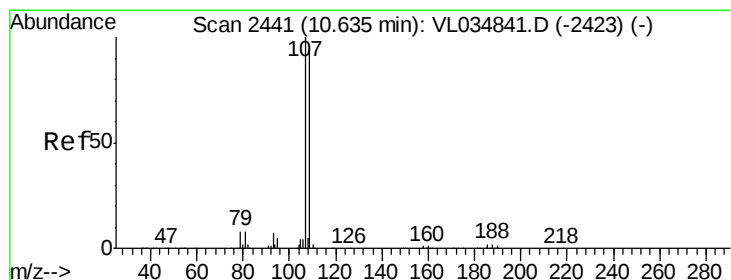
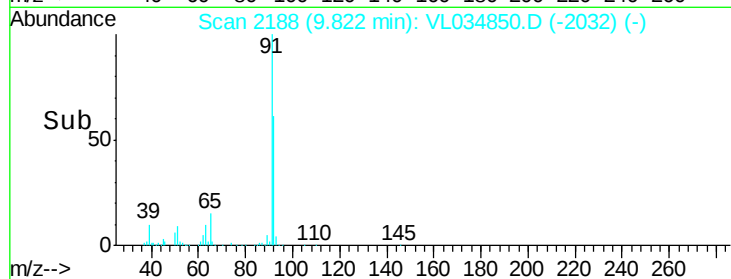
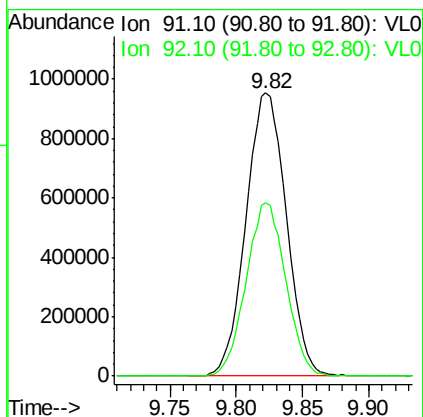
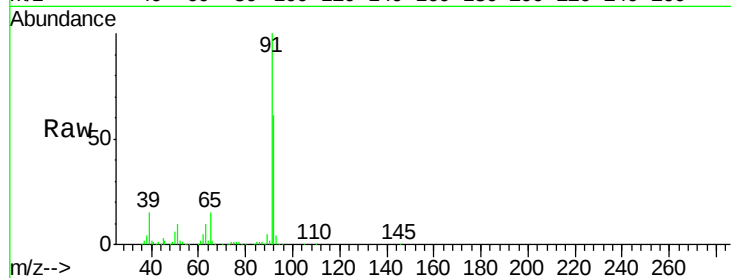
92 60.1 48.6 72.8

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 9.224 ppbv

RT: 10.63 min Scan# 2440

Delta R.T. -0.00 min

Lab File: VL034850.D

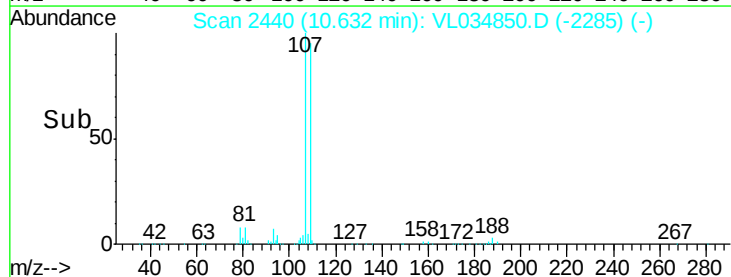
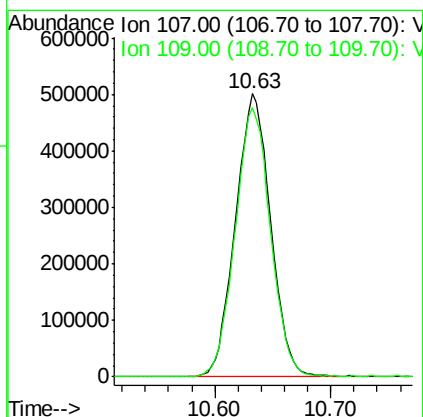
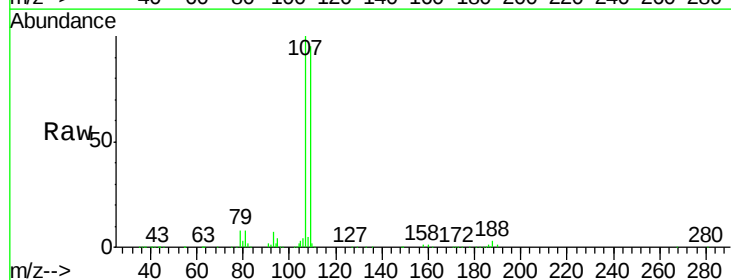
Acq: 9 Mar 2020 22:26

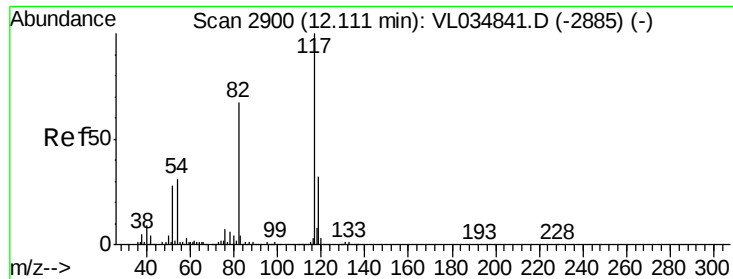
Tgt Ion: 107 Resp: 1054676

Ion Ratio Lower Upper

107 100

109 95.2 74.9 112.3





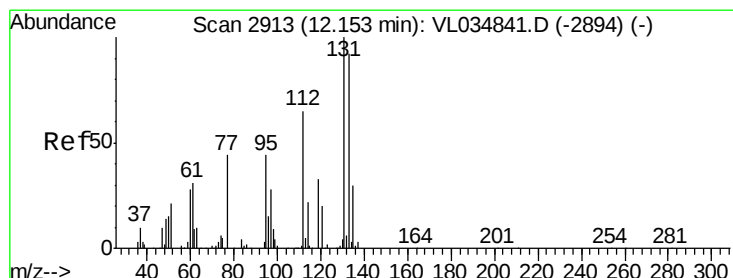
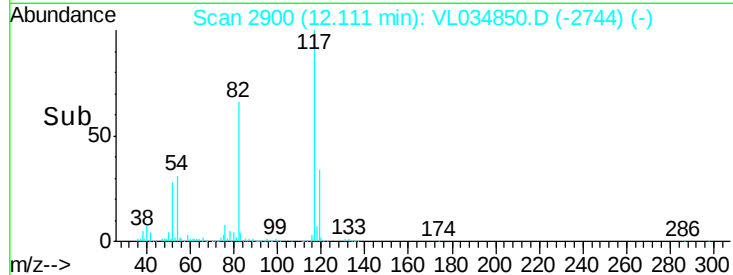
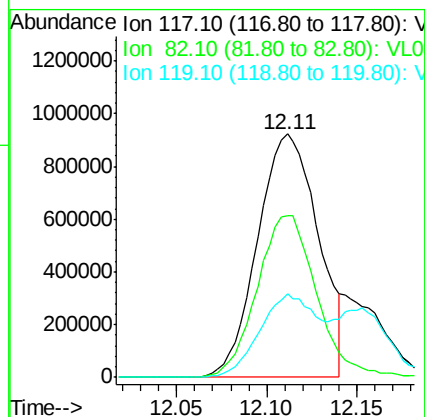
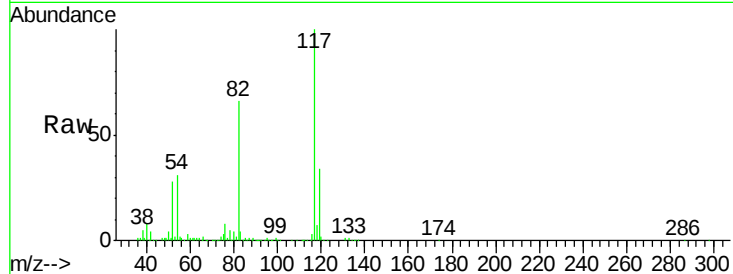
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.11 min Scan# 2900
Delta R.T. 0.00 min
Lab File: VL034850.D
Acq: 9 Mar 2020 22:26

Instrument :
MSVOA_L
ClientSampleId :
VL0309ABS01

Tot Ion:117 Resp: 2161356
Ion Ratio Lower Upper
117 100
82 65.2 51.1 76.7
119 32.8 27.3 40.9

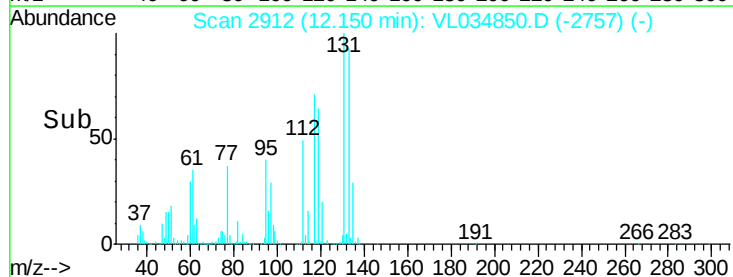
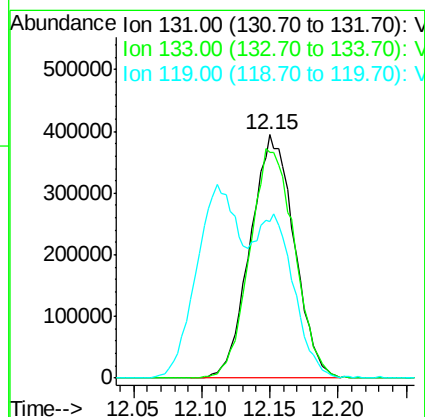
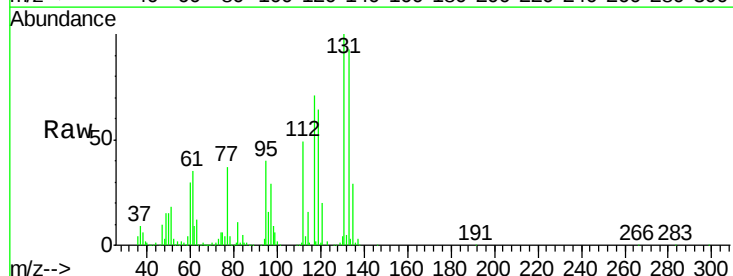
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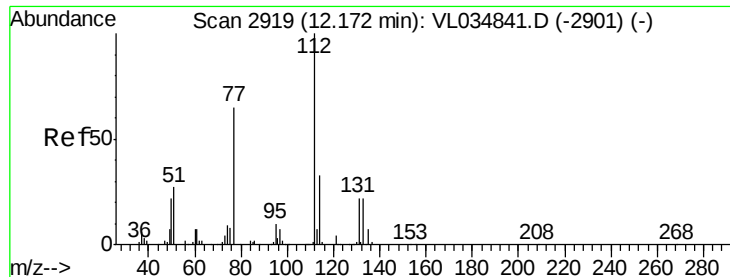
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.095 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. -0.00 min
Lab File: VL034850.D
Acq: 9 Mar 2020 22:26

Tgt Ion:131 Resp: 883047
Ion Ratio Lower Upper
131 100
133 96.3 76.0 114.0
119 59.8 47.8 71.8





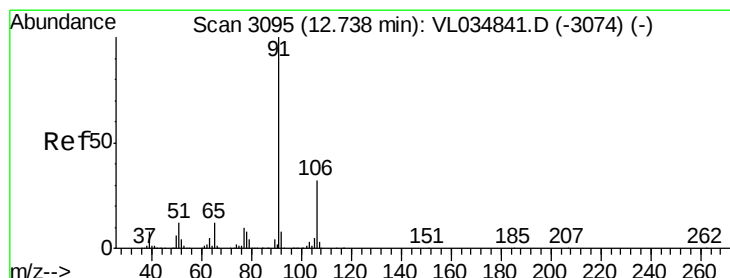
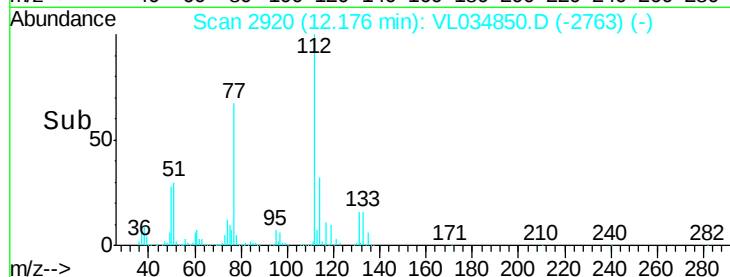
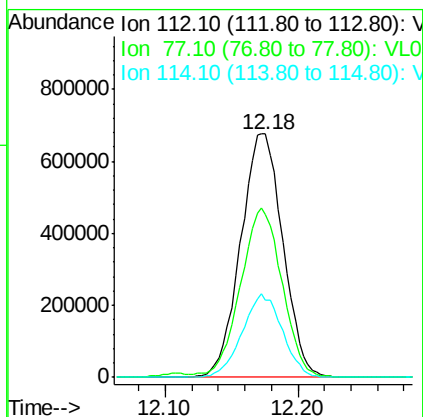
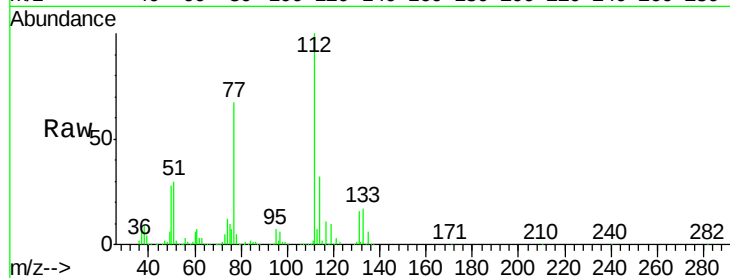
#57
Chlorobenzene
Concen: 8.821 ppbv
RT: 12.18 min Scan# 2920
Delta R.T. 0.00 min
Lab File: VL034850.D
Acq: 9 Mar 2020 22:26

Instrument :
MSVOA_L
ClientSampleId :
VL0309ABS01

Tot Ion	Ratio	Lower	Upper
112	100		
77	66.9	53.0	79.6
114	31.9	29.5	36.1

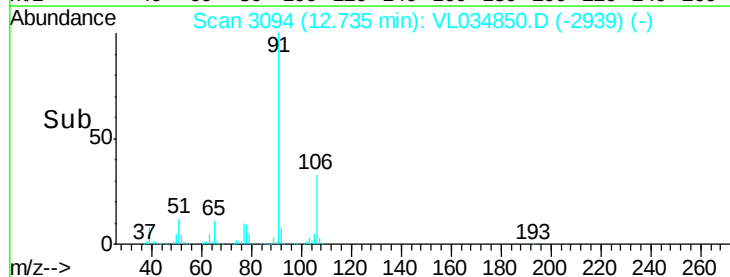
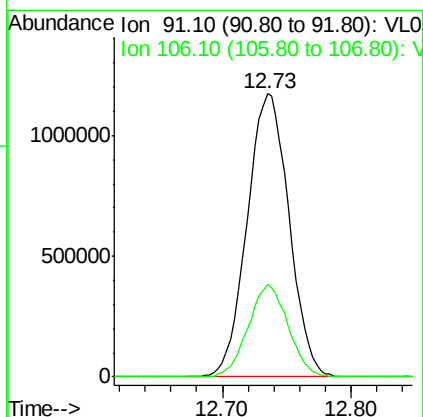
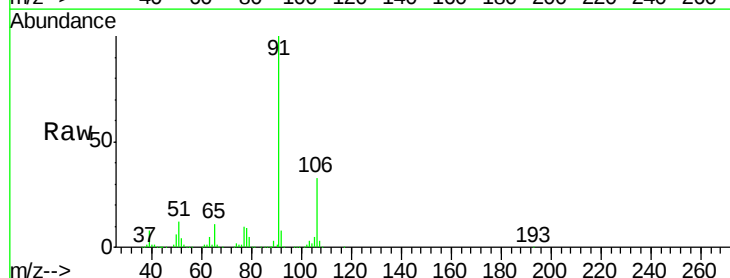
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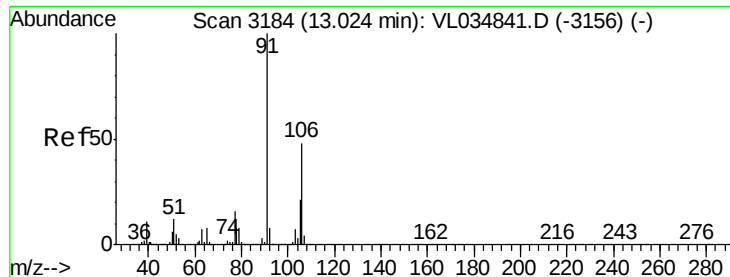
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#58
Ethyl Benzene
Concen: 9.068 ppbv
RT: 12.73 min Scan# 3094
Delta R.T. -0.00 min
Lab File: VL034850.D
Acq: 9 Mar 2020 22:26

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.6	25.8	38.6





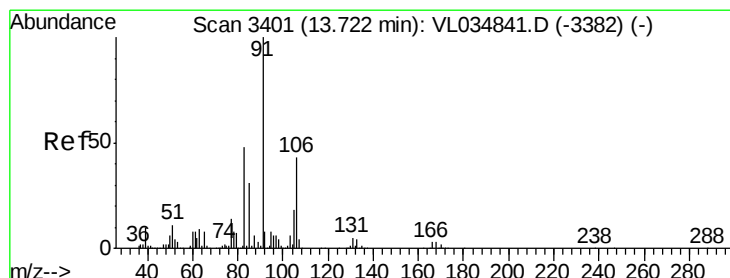
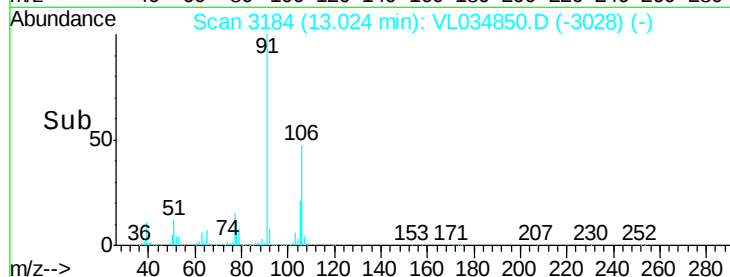
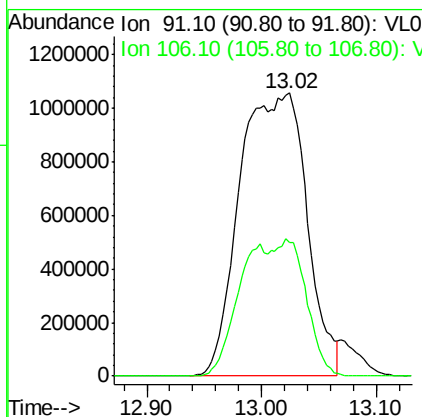
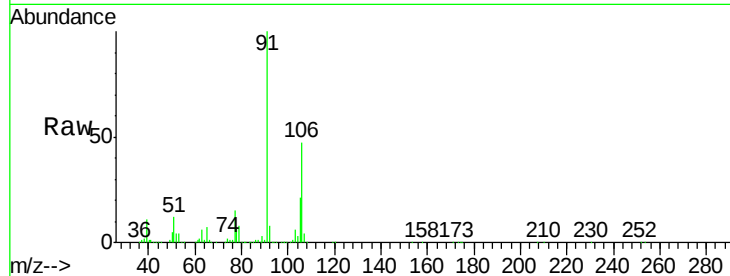
#59
m/p-Xylene
Concen: 17.510 ppbv m
RT: 13.02 min Scan# 3184
Delta R.T. 0.00 min
Lab File: VL034850.D
Acq: 9 Mar 2020 22:26

Instrument :
MSVOA_L
ClientSampleId :
VL0309ABS01

Tot Ion: 91 Resp: 4293828
Ion Ratio Lower Upper
91 100
106 46.3 37.1 55.7

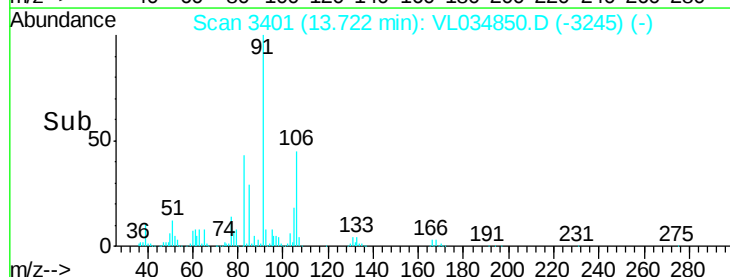
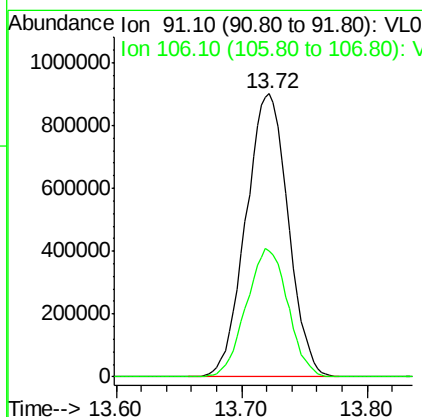
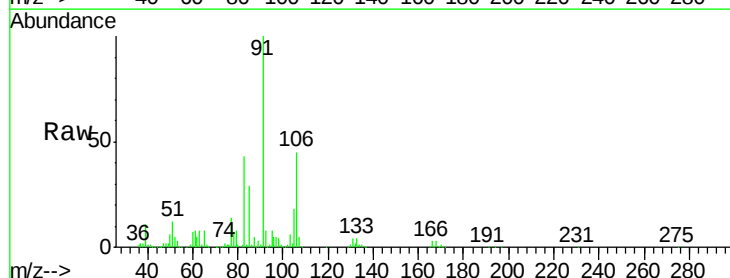
Manual Integrations
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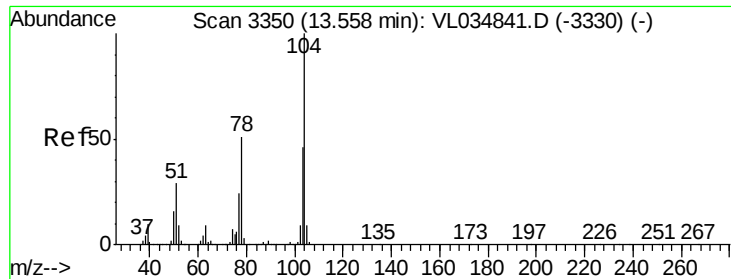
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#60
o-Xylene
Concen: 8.842 ppbv
RT: 13.72 min Scan# 3401
Delta R.T. 0.00 min
Lab File: VL034850.D
Acq: 9 Mar 2020 22:26

Tgt Ion: 91 Resp: 2116978
Ion Ratio Lower Upper
91 100
106 44.5 22.5 67.5





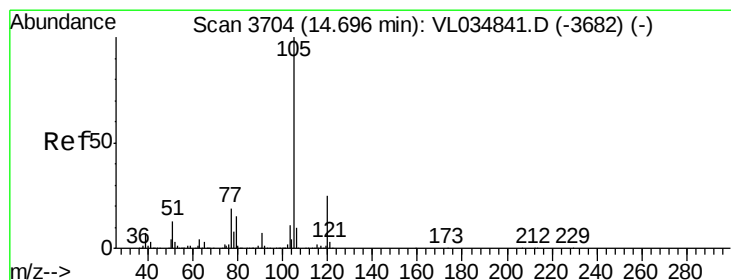
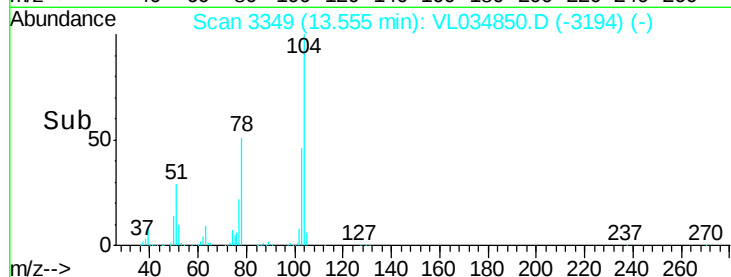
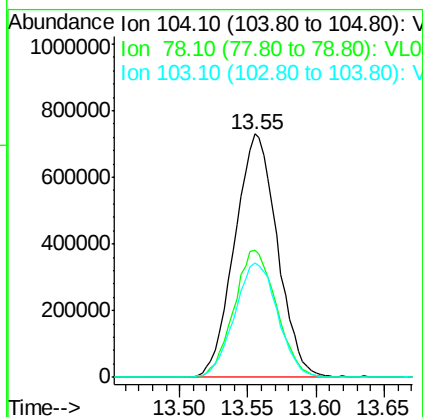
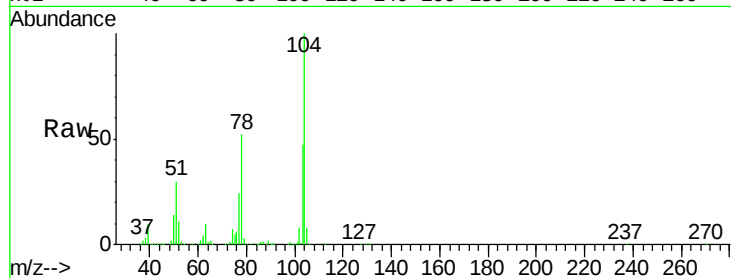
#61
Stvrene
Concen: 9.407 ppbv
RT: 13.55 min Scan# 3349
Delta R.T. -0.00 min
Lab File: VL034850.D
Acq: 9 Mar 2020 22:26

Instrument :
MSVOA_L
ClientSampleId :
VL0309ABS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	52.7	41.8	62.6
103	47.8	37.8	56.6

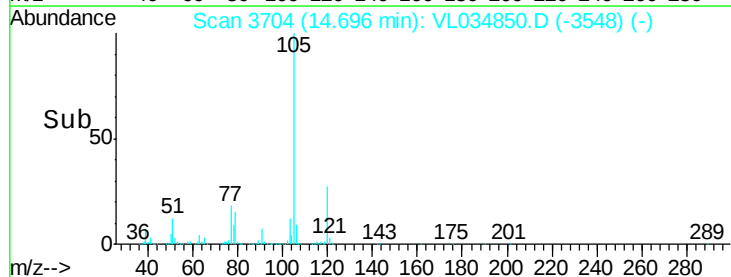
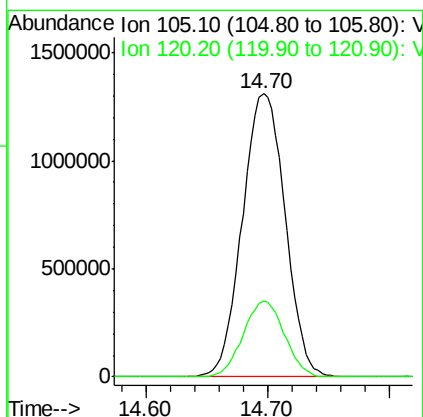
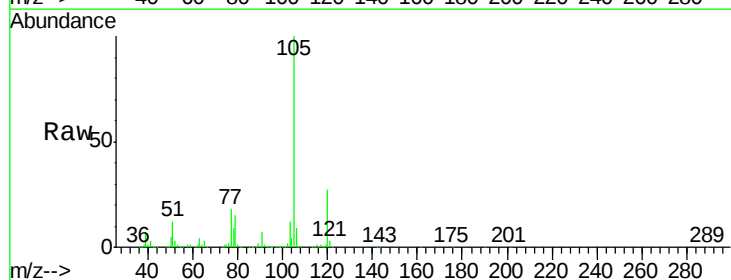
Manual Integrations
APPROVED

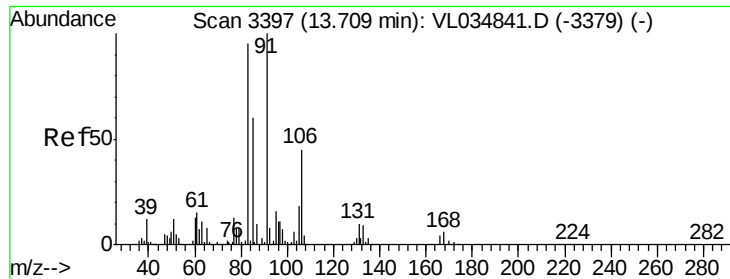
MMDadoda
3/11/2020 3:26:13 PM



#62
Isopropylbenzene
Concen: 8.762 ppbv
RT: 14.70 min Scan# 3704
Delta R.T. 0.00 min
Lab File: VL034850.D
Acq: 9 Mar 2020 22:26

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.9	21.0	31.4





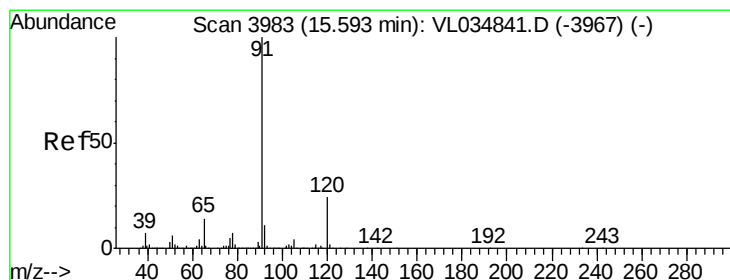
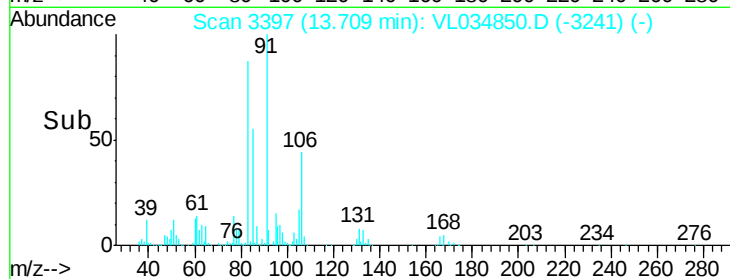
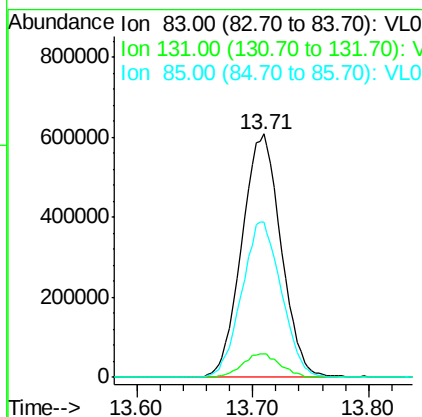
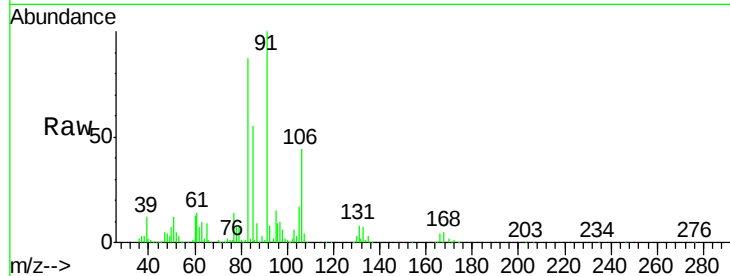
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.778 ppbv
 RT: 13.71 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VL034850.D
 Acq: 9 Mar 2020 22:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0309ABS01

Tot Ion	83	Resp	1426814
Ion Ratio	Lower	Upper	
83	100		
131	9.4	5.0	14.9
85	64.8	32.4	97.2

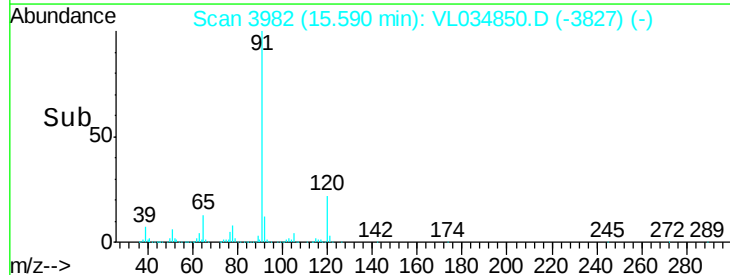
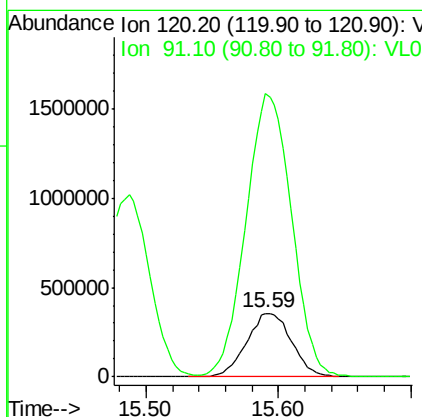
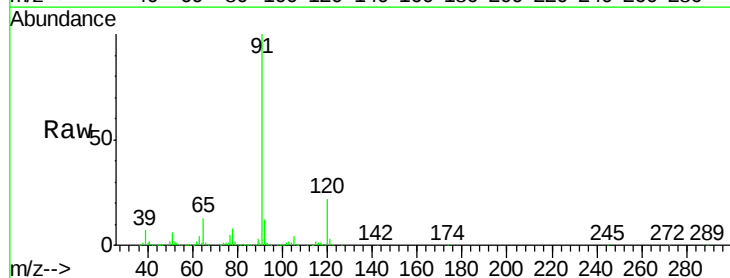
Manual Integrations
 APPROVED

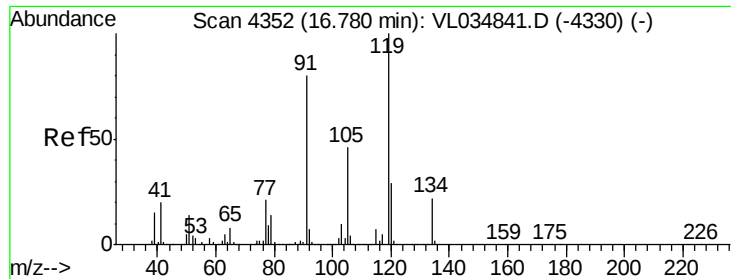
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#64
 n-propylbenzene
 Concen: 8.847 ppbv
 RT: 15.59 min Scan# 3982
 Delta R.T. -0.00 min
 Lab File: VL034850.D
 Acq: 9 Mar 2020 22:26

Tgt Ion	120	Resp	833630
Ion Ratio	Lower	Upper	
120	100		
91	456.1	360.9	541.3





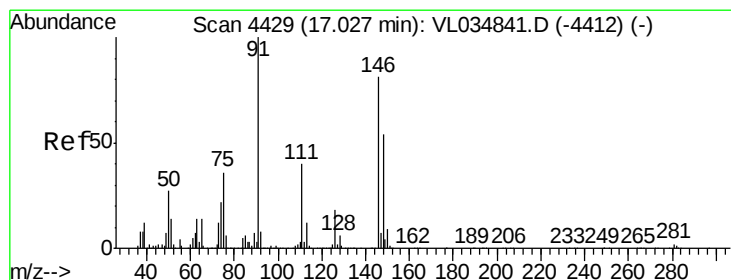
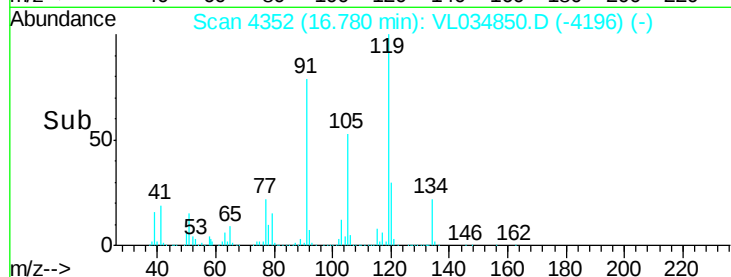
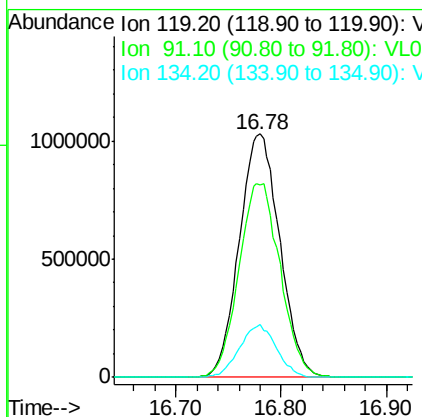
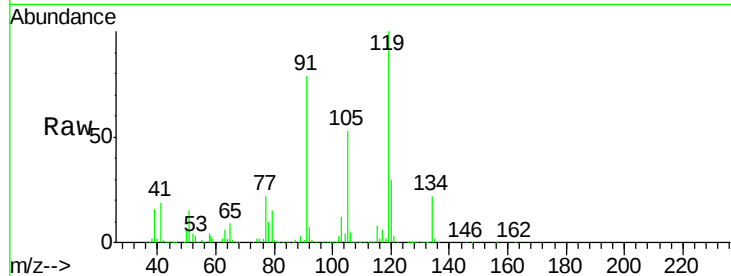
#65
tert-Butylbenzene
Concen: 8.675 ppbv
RT: 16.78 min Scan# 4352
Delta R.T. 0.00 min
Lab File: VL034850.D
Acq: 9 Mar 2020 22:26

Instrument :
MSVOA_L
ClientSampleId :
VL0309ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	81.4	64.9	97.3
134	19.9	15.9	23.9

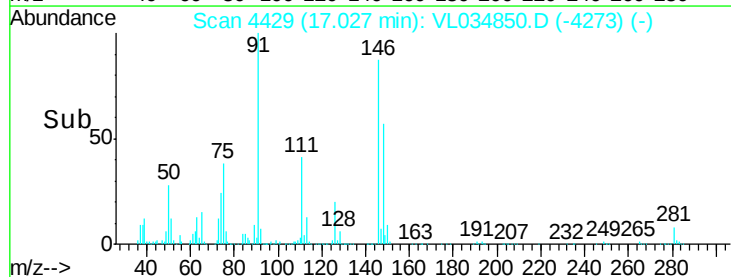
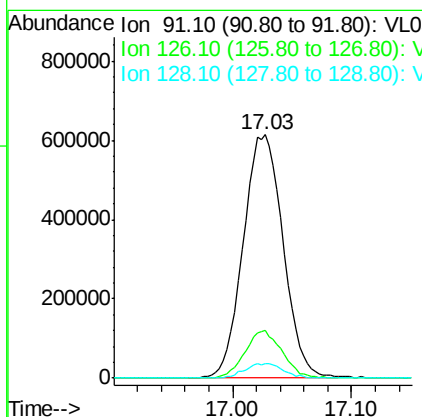
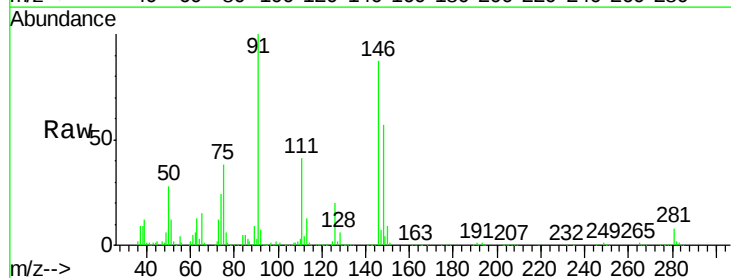
Manual Integrations
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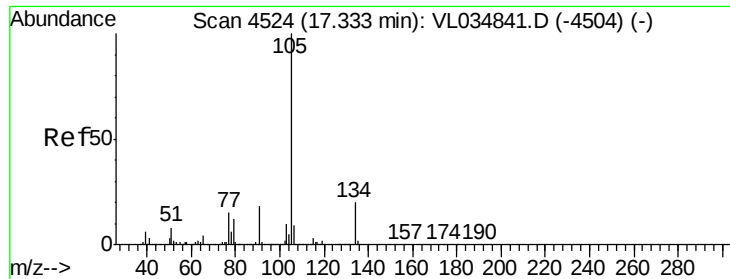
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#66
Benzyl Chloride
Concen: 10.787 ppbv
RT: 17.03 min Scan# 4429
Delta R.T. 0.00 min
Lab File: VL034850.D
Acq: 9 Mar 2020 22:26

Tgt Ion	Ratio	Lower	Upper
91	100		
126	18.4	14.7	22.1
128	5.8	4.7	7.1





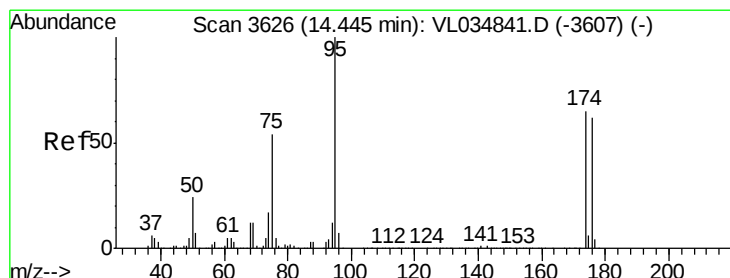
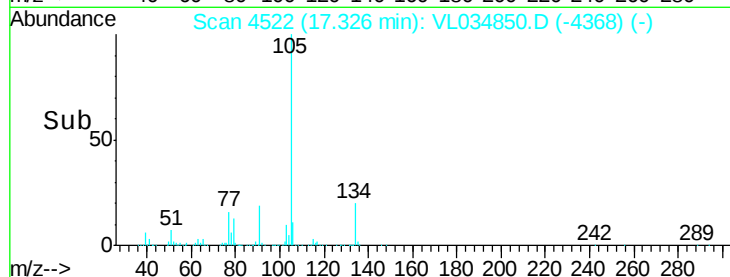
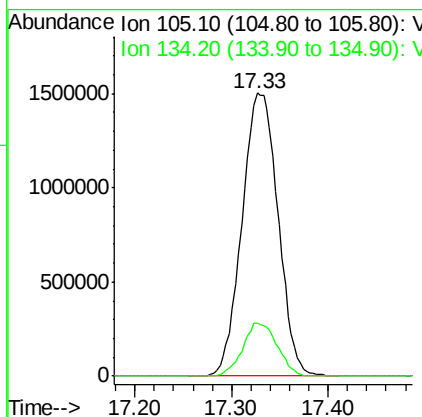
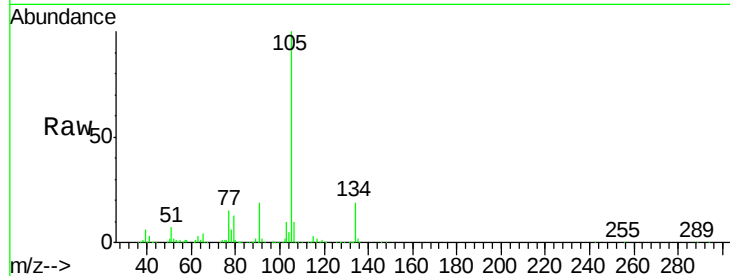
#67
 sec-Butylbenzene
 Concen: 8.854 ppbv
 RT: 17.33 min Scan# 4522
 Delta R.T. -0.01 min
 Lab File: VL034850.D
 Acq: 9 Mar 2020 22:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0309ABS01

Tot Ion: 105 Resp: 3885429
 Ion Ratio Lower Upper
 105 100
 134 18.1 15.0 22.6

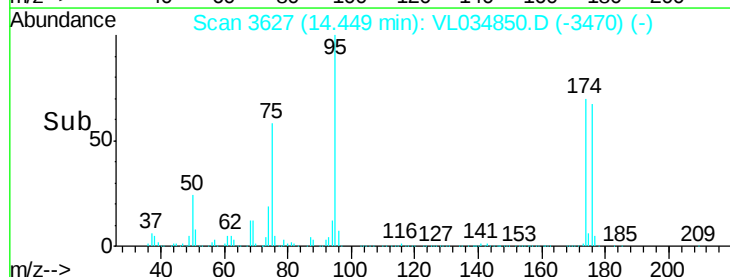
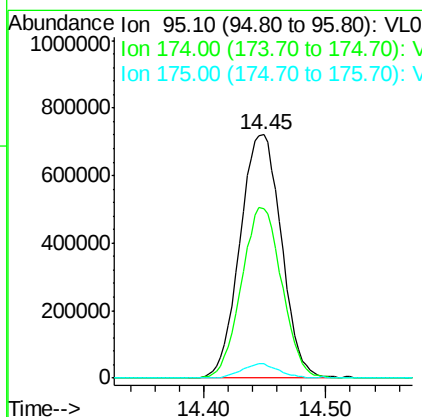
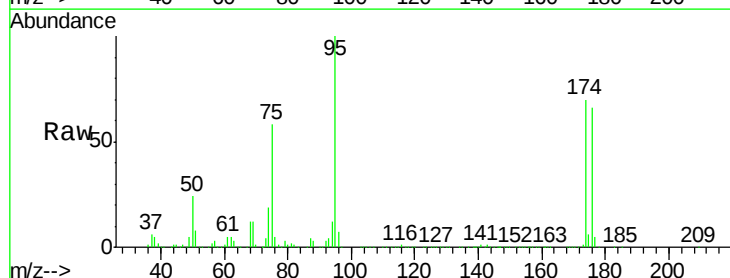
Manual Integrations
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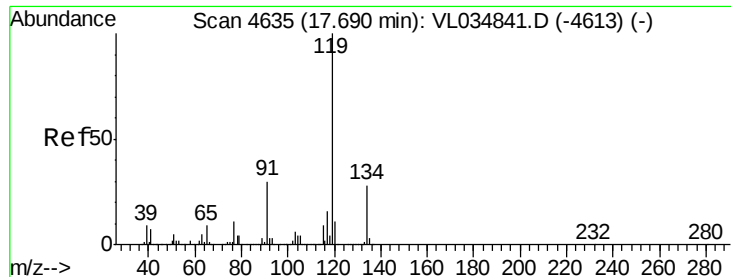
MMDadoda
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.020 ppbv
 RT: 14.45 min Scan# 3627
 Delta R.T. 0.00 min
 Lab File: VL034850.D
 Acq: 9 Mar 2020 22:26

Tgt Ion: 95 Resp: 1689028
 Ion Ratio Lower Upper
 95 100
 174 68.5 55.2 82.8
 175 5.4 4.3 6.5





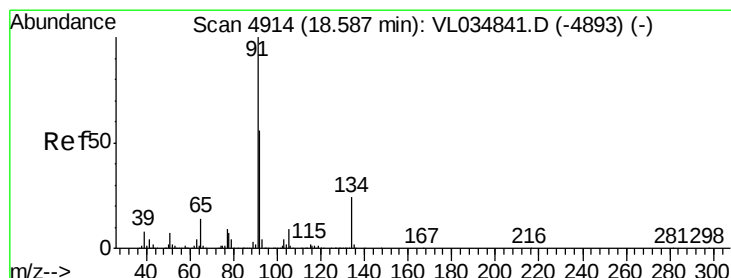
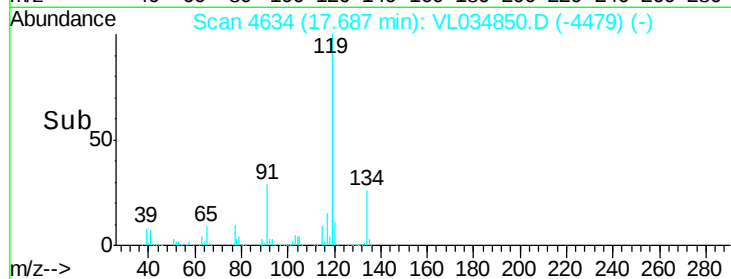
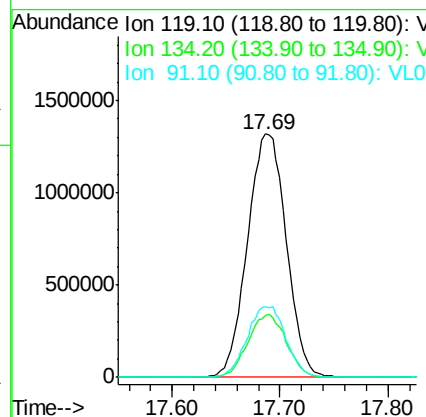
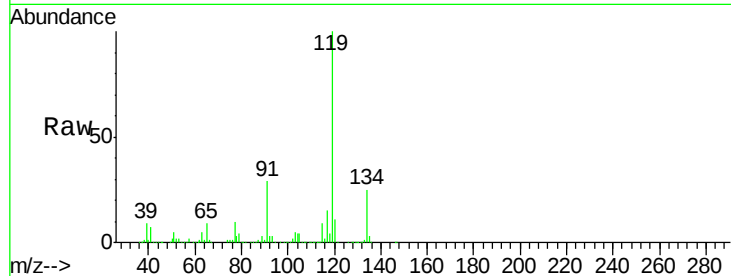
#69
p-Isopropyltoluene
Concen: 8.980 ppbv
RT: 17.69 min Scan# 4634
Delta R.T. -0.00 min
Lab File: VL034850.D
Acq: 9 Mar 2020 22:26

Instrument :
MSVOA_L
ClientSampleId :
VL0309ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.5	20.6	30.8
91	29.2	23.4	35.2

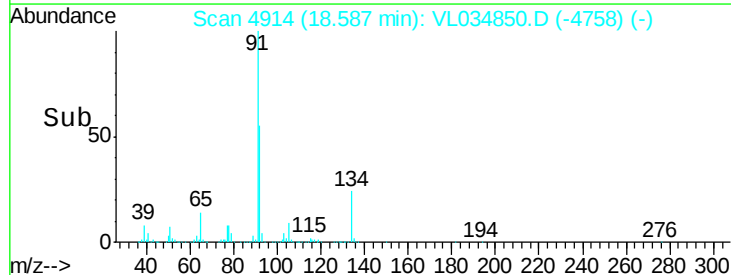
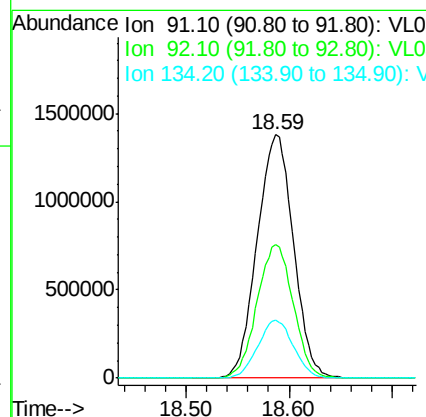
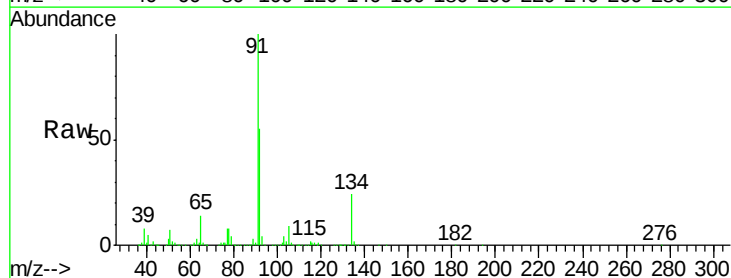
Manual Integrations
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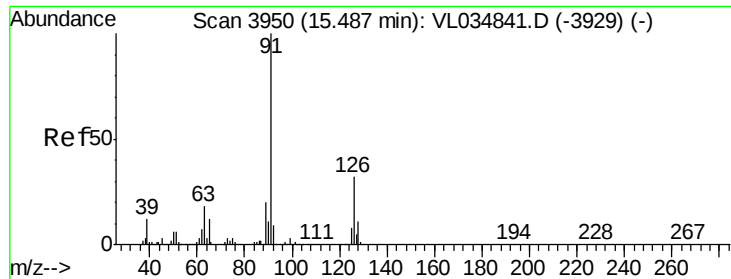
MMDadoda
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#70
n-Butylbenzene
Concen: 8.973 ppbv
RT: 18.59 min Scan# 4914
Delta R.T. 0.00 min
Lab File: VL034850.D
Acq: 9 Mar 2020 22:26

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.6	43.8	65.6
134	23.4	19.0	28.4





#71

2-Chlorotoluene

Concen: 8.667 ppbv

RT: 15.49 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VL034850.D

Acq: 9 Mar 2020 22:26

Instrument :

MSVOA_L

ClientSampleId :

VL0309ABS01

Tot Ion: 91 Resp: 2376287

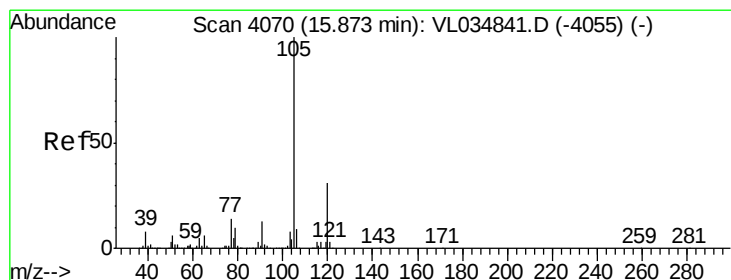
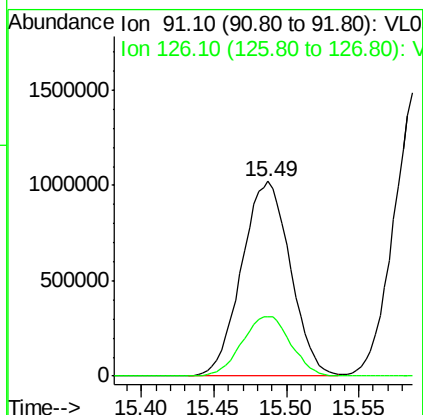
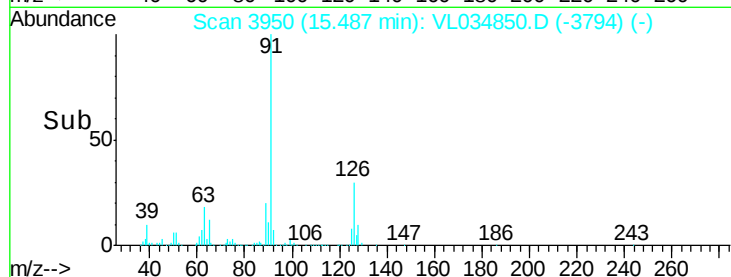
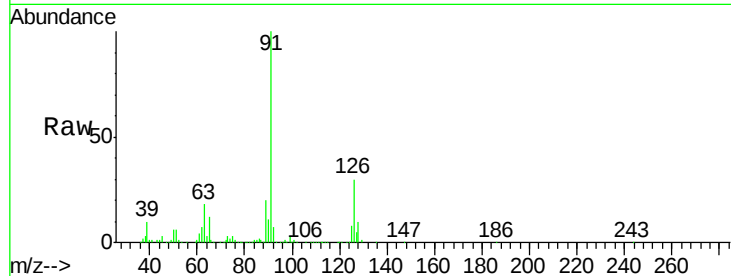
Ion Ratio Lower Upper

91 100

126 31.0 12.3 49.1

Manual Integrations
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#72

4-Ethyltoluene

Concen: 9.053 ppbv

RT: 15.87 min Scan# 4069

Delta R.T. -0.00 min

Lab File: VL034850.D

Acq: 9 Mar 2020 22:26

Tgt Ion: 105 Resp: 2559817

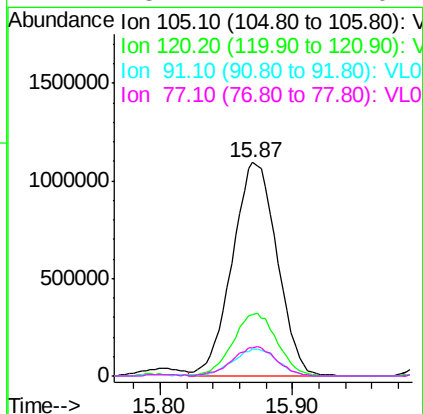
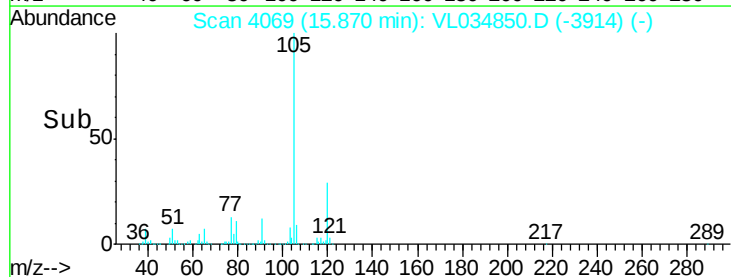
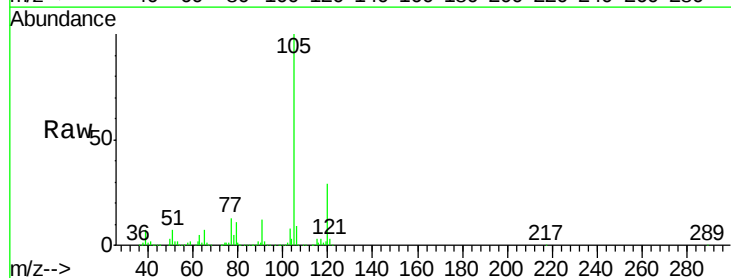
Ion Ratio Lower Upper

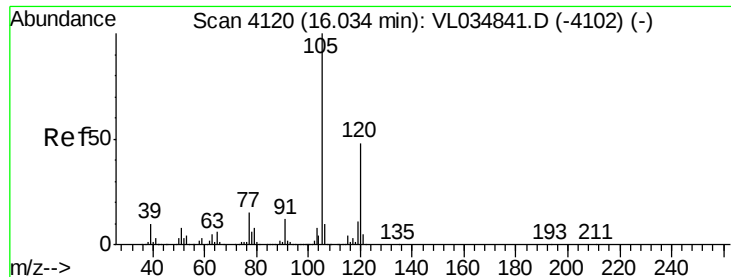
105 100

120 29.2 23.7 35.5

91 12.9 10.5 15.7

77 13.7 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 8.986 ppbv

RT: 16.03 min Scan# 4119

Delta R.T. -0.00 min

Lab File: VL034850.D

Acq: 9 Mar 2020 22:26

Instrument :

MSVOA_L

ClientSampleId :

VL0309ABS01

Tot Ion:105 Resp: 2378629

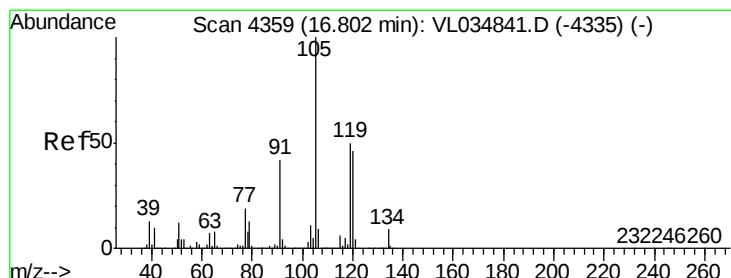
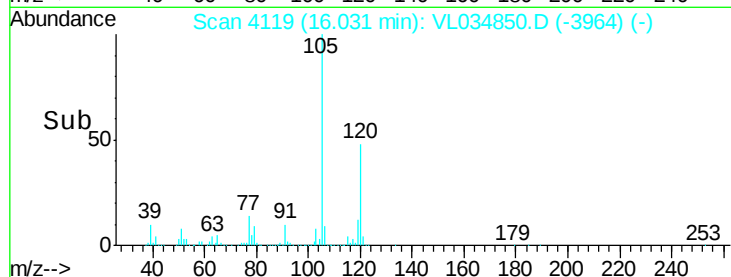
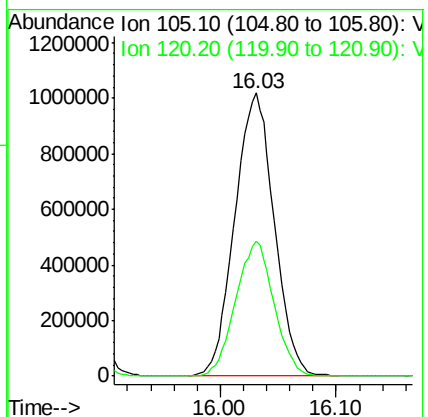
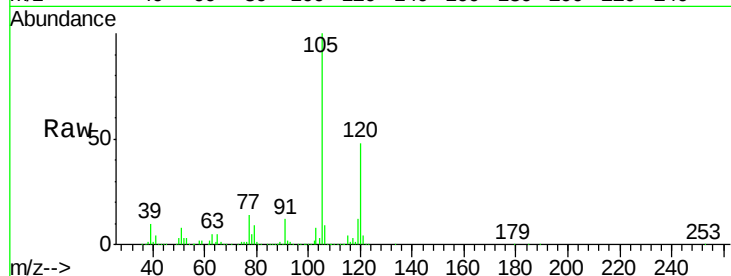
Ion Ratio Lower Upper

105 100

120 47.6 38.6 58.0

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#74

1,2,4-Trimethylbenzene

Concen: 9.006 ppbv

RT: 16.80 min Scan# 4358

Delta R.T. -0.00 min

Lab File: VL034850.D

Acq: 9 Mar 2020 22:26

Tgt Ion:105 Resp: 2455876

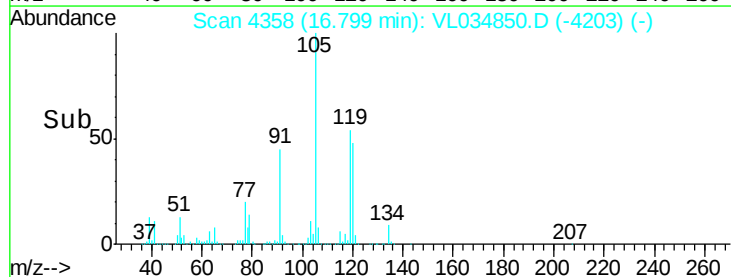
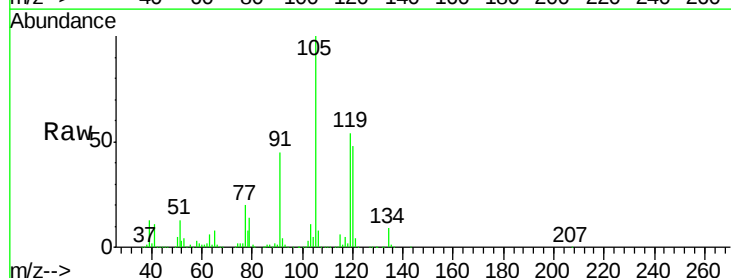
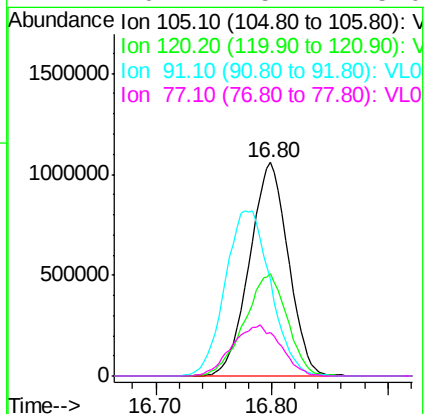
Ion Ratio Lower Upper

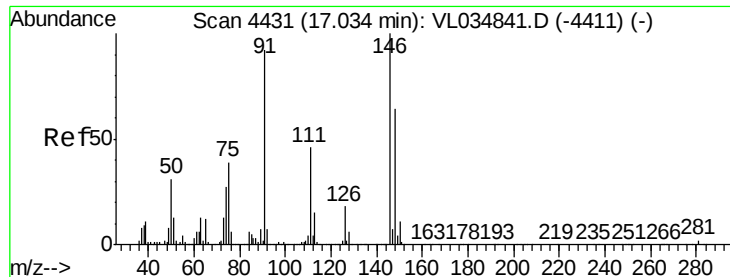
105 100

120 47.6 37.0 55.4

91 45.2 33.8 50.6

77 20.4 15.4 23.0





#75

1,3-Dichlorobenzene

Concen: 8.734 ppbv

RT: 17.03 min Scan# 4431

Delta R.T. 0.00 min

Lab File: VL034850.D

Acq: 9 Mar 2020 22:26

Instrument :

MSVOA_L

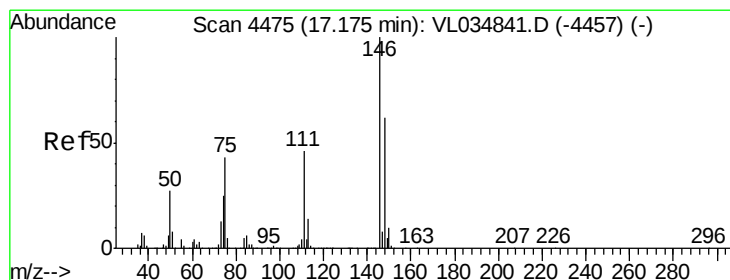
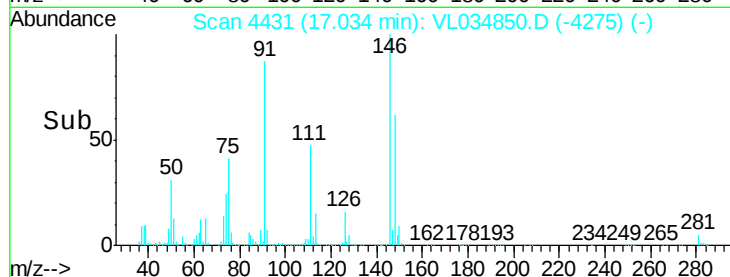
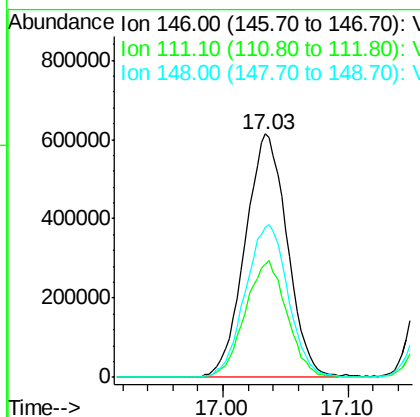
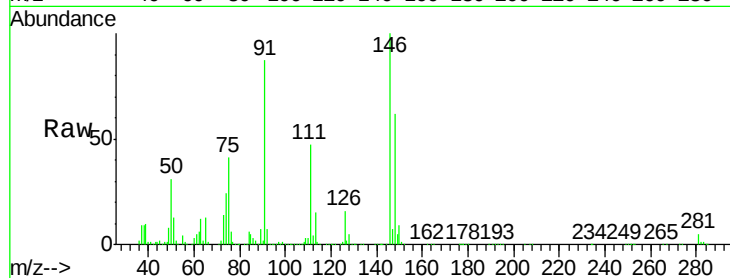
ClientSampleId :

VL0309ABS01

Tot Ion:	146	Resp:	1436161
Ion	Ratio	Lower	Upper
146	100		
111	47.5	23.9	71.7
148	63.8	32.5	97.5

Manual Integrations
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#76

1,4-Dichlorobenzene

Concen: 8.846 ppbv

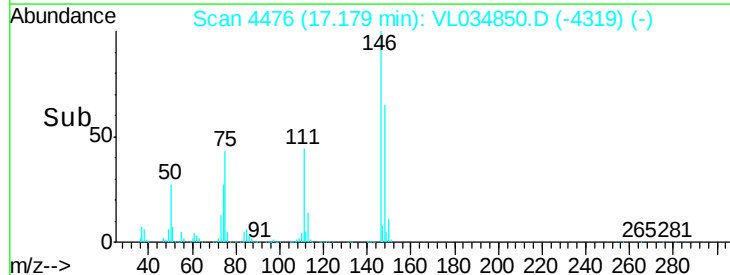
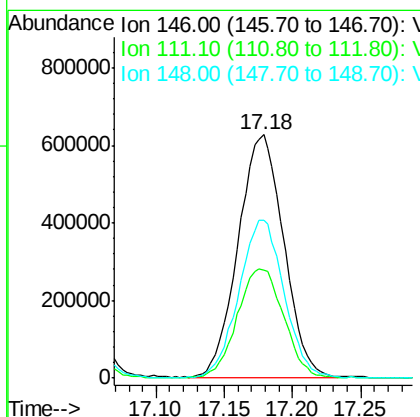
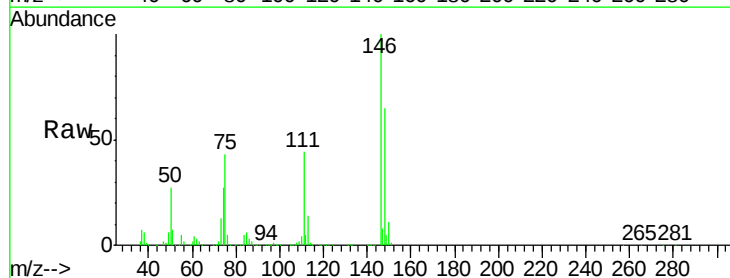
RT: 17.18 min Scan# 4476

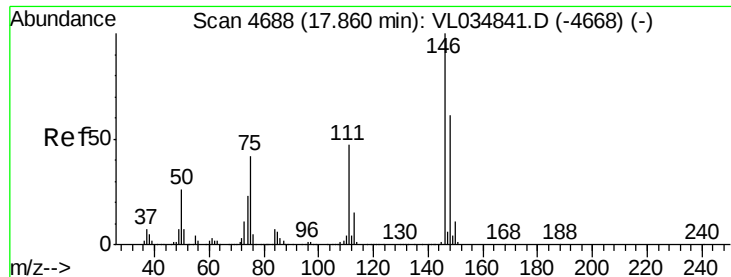
Delta R.T. 0.00 min

Lab File: VL034850.D

Acq: 9 Mar 2020 22:26

Tgt Ion:	146	Resp:	1451454
Ion	Ratio	Lower	Upper
146	100		
111	46.2	23.4	70.2
148	65.1	32.3	96.9





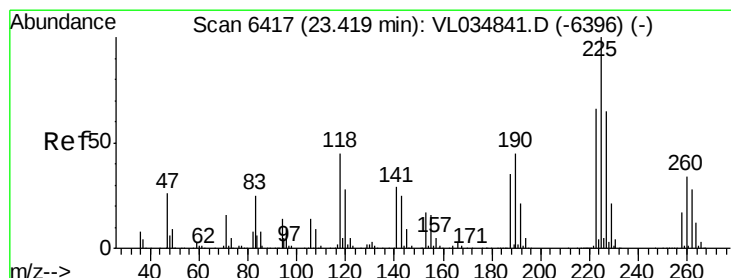
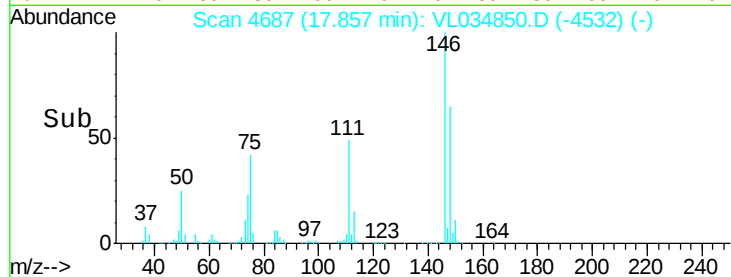
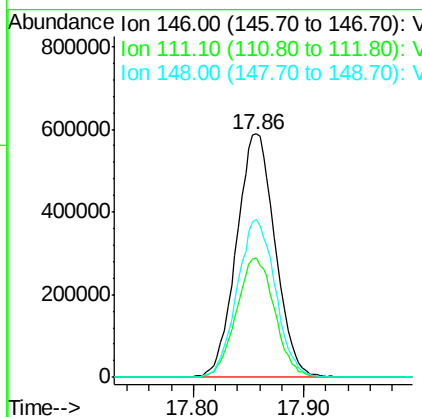
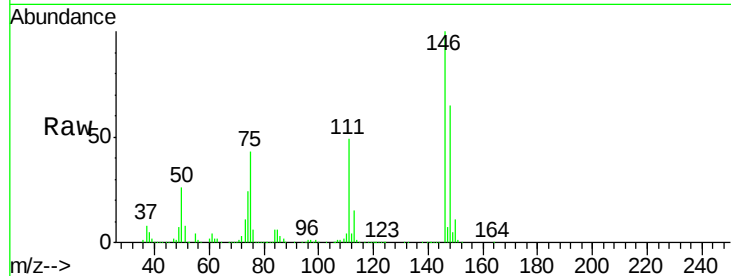
#77
 1,2-Dichlorobenzene
 Concen: 8.943 ppbv
 RT: 17.86 min Scan# 4687
 Delta R.T. -0.00 min
 Lab File: VL034850.D
 Acq: 9 Mar 2020 22:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0309ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.8	23.8	71.4
148	64.3	31.6	94.8

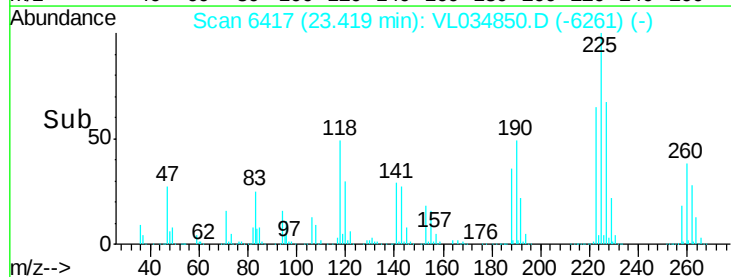
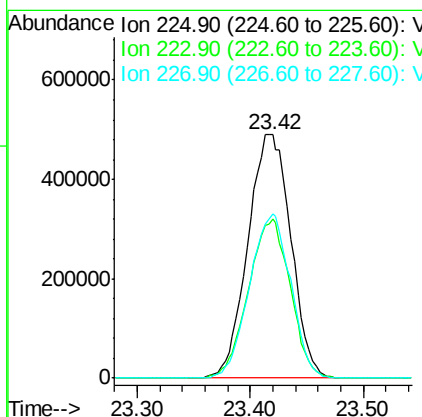
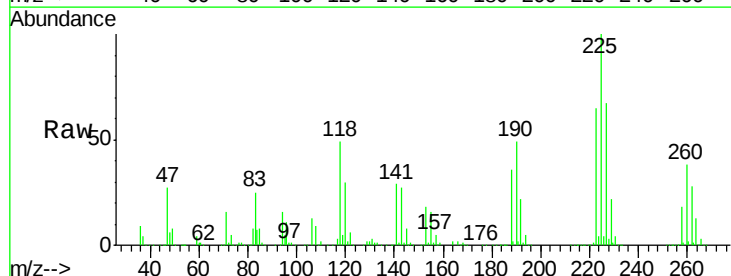
Manual Integrations
 APPROVED

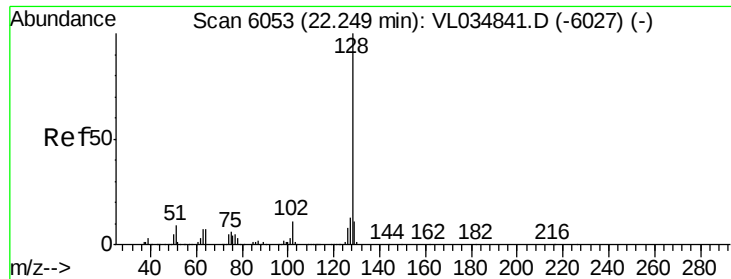
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#78
 Hexachloro-1,3-Butadiene
 Concen: 9.704 ppbv
 RT: 23.42 min Scan# 6417
 Delta R.T. 0.00 min
 Lab File: VL034850.D
 Acq: 9 Mar 2020 22:26

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.6	51.1	76.7
227	64.7	51.8	77.6





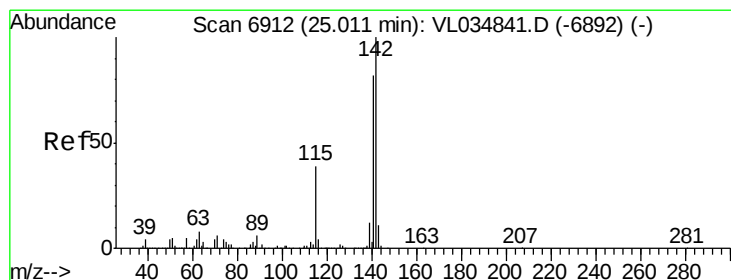
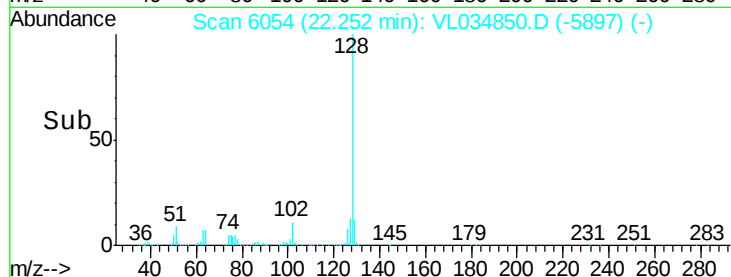
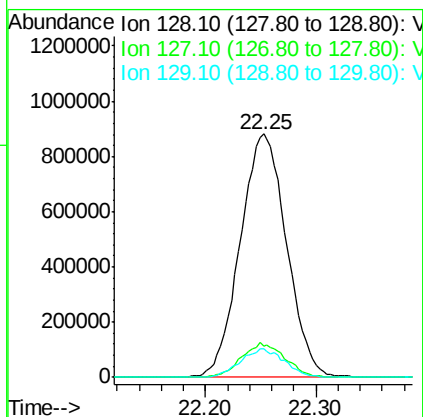
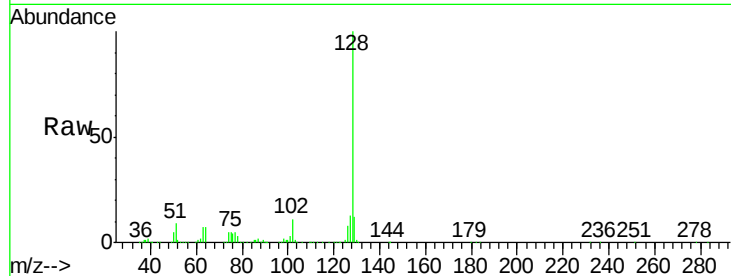
#79
Naphthalene
Concen: 12.013 ppbv
RT: 22.25 min Scan# 6054
Delta R.T. 0.00 min
Lab File: VL034850.D
Acq: 9 Mar 2020 22:26

Instrument :
MSVOA_L
ClientSampleId :
VL0309ABS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	11.7	8.6	13.0

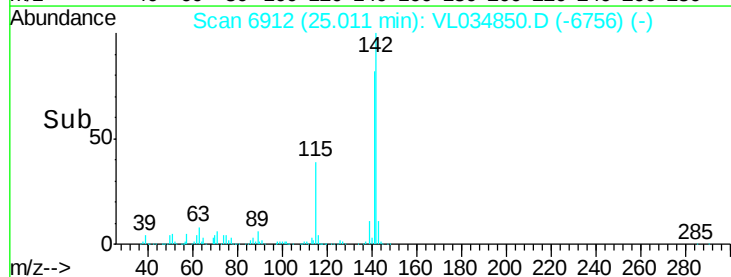
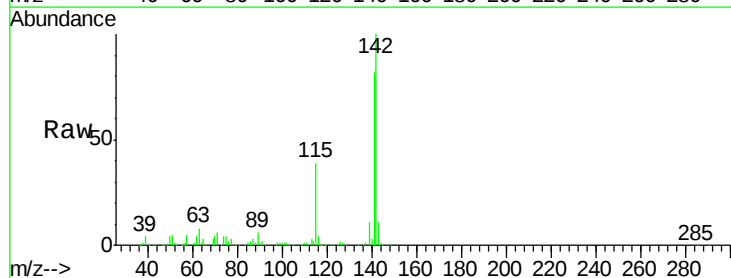
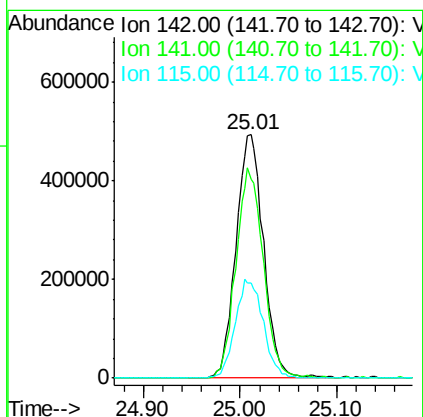
Manual Integrations
APPROVED

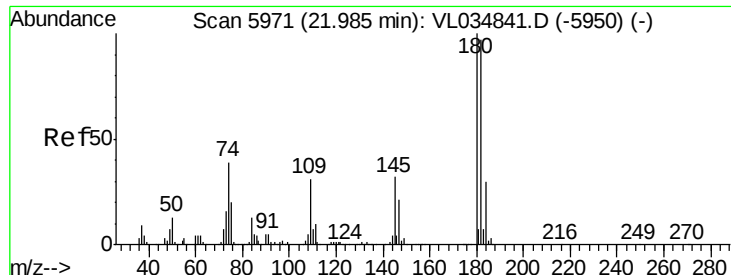
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#80
Naphthalene, 2-methyl-
Concen: 17.544 ppbv
RT: 25.01 min Scan# 6912
Delta R.T. 0.00 min
Lab File: VL034850.D
Acq: 9 Mar 2020 22:26

Tgt Ion	Ratio	Lower	Upper
142	100		
141	85.9	68.9	103.3
115	41.2	33.2	49.8





#81
 1,2,4-Trichlorobenzene
 Concen: 10.899 ppbv
 RT: 21.98 min Scan# 5970
 Delta R.T. -0.00 min
 Lab File: VL034850.D
 Acq: 9 Mar 2020 22:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0309ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.2	76.6	115.0
184	31.4	25.0	37.4

Manual Integrations
 APPROVED

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