

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL031720\
 Data File : VL034916.D
 Acq On : 17 Mar 2020 14:47
 Operator : SY/AP
 Sample : VL0317ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0317ABS01

Manual Integrations
 APPROVED

MMDadoda
 3/18/2020 5:35:42 PM

Quant Time: Mar 18 07:15:42 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	962329	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2116647	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2231045m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	1790178	10.29	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.90%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.01	85	1643082	12.469	ppbv 100
3) Chlorodifluoromethane	2.95	51	1068407	9.939	ppbv 97
4) Chloromethane	3.10	50	616341	10.145	ppbv 99
5) Vinyl Chloride	3.22	62	594624	10.180	ppbv # 88
6) Bromomethane	3.44	94	357852	10.524	ppbv 98
7) Chloroethane	3.52	64	220248	10.442	ppbv 97
8) Dichlorotetrafluoroethane	3.15	85	1349700	9.862	ppbv 96
9) Propene	2.97	41	489849	9.544	ppbv 100
10) Heptane	8.13	43	1309379	10.366	ppbv 98
11) Trichlorofluoromethane	3.92	101	1378201	9.830	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.46	101	965329	9.838	ppbv 96
13) Ethanol	3.57	45	136400	8.741	ppbv 97
14) Bromoethene	3.70	108	426252	10.059	ppbv 100
15) Acetone	3.82	43	1114587	8.936	ppbv 99
16) 1,3-Butadiene	3.29	39	558566	9.903	ppbv 99
17) tert-Butyl alcohol	4.27	59	970769	8.079	ppbv 99
18) 1,1-Dichloroethene	4.26	96	439467	10.114	ppbv 96
19) Isopropyl Alcohol	3.94	45	712233	9.043	ppbv # 41
20) Methylene Chloride	4.32	84	397975	10.092	ppbv 95
21) Allyl Chloride	4.39	41	781965	9.762	ppbv 98
22) trans-1,2-Dichloroethene	4.86	96	437971	9.935	ppbv 98
23) Vinyl Acetate	5.06	43	1769311	9.603	ppbv 99
24) 1,1-Dichloroethane	5.00	63	1231932	9.974	ppbv 100
25) Ethyl Acetate	5.67	43	2161615	9.728	ppbv 99
26) Hexane	5.67	57	955055	9.981	ppbv 99
27) Carbon Disulfide	4.53	76	1124112	10.353	ppbv 99
28) Methyl tert-Butyl Ether	5.01	73	1456448	9.148	ppbv 98
29) Chloroform	5.74	83	1472705	10.087	ppbv 97
30) Cyclohexane	7.13	84	810562	10.153	ppbv 99
31) cis-1,2-Dichloroethene	5.54	61	969885	9.911	ppbv 100
32) 1,1,1-Trichloroethane	6.51	97	1412981	9.933	ppbv 97
34) 2-Butanone	5.23	43	1438041	10.223	ppbv 99
35) Carbon Tetrachloride	7.02	117	1438130	10.924	ppbv 97
36) Benzene	6.89	78	1920688	10.180	ppbv 99
37) 1,2-Dichloroethane	6.30	62	1168460	10.984	ppbv 98
38) Trichloroethene	7.84	130	720073	10.049	ppbv 96
39) 1,2-Dichloropropane	7.62	63	756911	10.126	ppbv 96
40) 1,4-Dioxane	7.84	88	298525m	10.575	ppbv
41) Tetrahydrofuran	6.04	42	816346	10.726	ppbv 100
42) Bromodichloromethane	7.80	83	1574892	10.862	ppbv 98
43) Methyl Methacrylate	8.02	69	864036	10.870	ppbv 99

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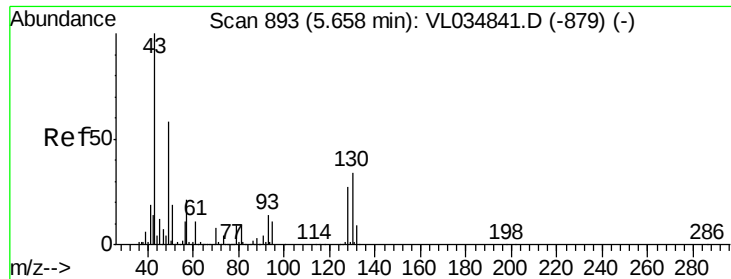
Manual Integrations
 APPROVED

MMDadoda
 3/18/2020 5:35:42 PM

Quant Time: Mar 18 07:15:42 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	3383245	10.612	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	984279	10.540	ppbv	97
46) cis-1,3-Dichloropropene	8.72	75	1164931	10.498	ppbv	97
47) 1,1,2-Trichloroethane	9.49	97	799974	10.428	ppbv	98
48) Dibromochloromethane	10.32	129	1299792	10.463	ppbv	100
49) Bromoform	13.07	173	1171876	10.579	ppbv	100
50) 4-Methyl-2-Pentanone	8.75	43	2172346	10.728	ppbv	99
51) 2-Hexanone	10.15	43	1797932	10.926	ppbv #	99
52) Tetrachloroethene	11.24	164	677728	9.080	ppbv	99
53) Toluene	9.82	91	2257310	10.361	ppbv	99
54) 1,2-Dibromoethane	10.63	107	1206321	10.447	ppbv	92
56) 1,1,1,2-Tetrachloroethane	12.15	131	993974	9.918	ppbv	100
57) Chlorobenzene	12.17	112	1687385	9.666	ppbv	95
58) Ethyl Benzene	12.74	91	3040165	10.062	ppbv	99
59) m/p-Xylene	13.02	91	5006052m	19.777	ppbv	
60) o-Xylene	13.72	91	2496188	10.100	ppbv	99
61) Styrene	13.55	104	1821803	10.504	ppbv	98
62) Isopropylbenzene	14.70	105	3712259	9.934	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.71	83	1782583	10.624	ppbv	100
64) n-propylbenzene	15.59	120	982827	10.105	ppbv	94
65) tert-Butylbenzene	16.78	119	3213811	9.838	ppbv	97
66) Benzyl Chloride	17.02	91	1249526	9.173	ppbv	96
67) sec-Butylbenzene	17.33	105	4608553	10.174	ppbv	99
69) p-Isopropyltoluene	17.69	119	3841306	10.113	ppbv	99
70) n-Butylbenzene	18.58	91	4104383	10.591	ppbv	99
71) 2-Chlorotoluene	15.48	91	2879382	10.174	ppbv	98
72) 4-Ethyltoluene	15.87	105	3008873	10.309	ppbv	99
73) 1,3,5-Trimethylbenzene	16.03	105	2786000	10.197	ppbv	98
74) 1,2,4-Trimethylbenzene	16.80	105	2915637	10.358	ppbv	94
75) 1,3-Dichlorobenzene	17.03	146	1676793	9.879	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	1673111	9.878	ppbv	100
77) 1,2-Dichlorobenzene	17.86	146	1626783	9.888	ppbv	98
78) Hexachloro-1,3-Butadiene	23.42	225	1337655	9.734	ppbv	99
79) Naphthalene	22.25	128	2745426	12.506	ppbv	99
80) Naphthalene, 2-methyl-	25.01	142	1111927	19.382	ppbv	99
81) 1,2,4-Trichlorobenzene	21.98	180	1572765	11.277	ppbv	100

(#) = 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

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Instrument :

MSVOA_L

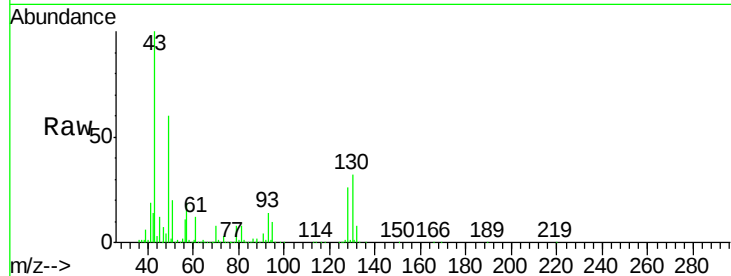
ClientSampleId :

VL0317ABS01

Tot Ion:	49	Resp:	962329
Ion	Ratio	Lower	Upper
49	100		
128	44.5	23.4	70.3
130	55.8	30.0	90.0

Manual Integrations
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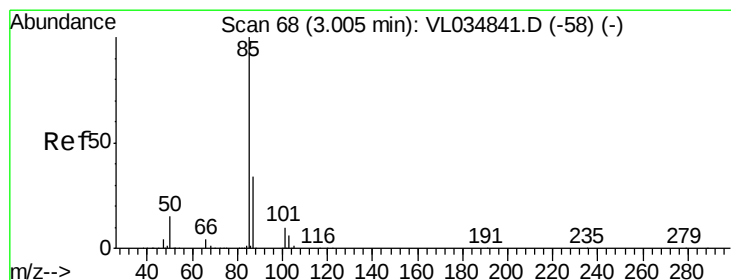
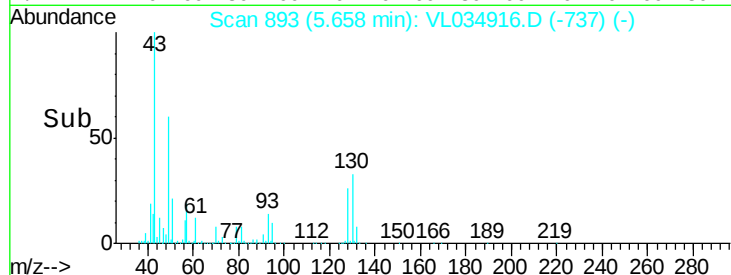
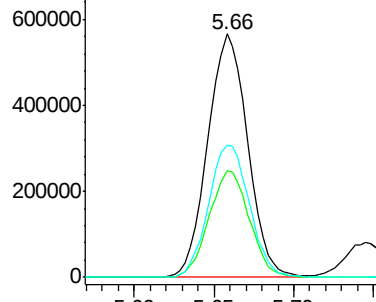
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 12.469 ppbv

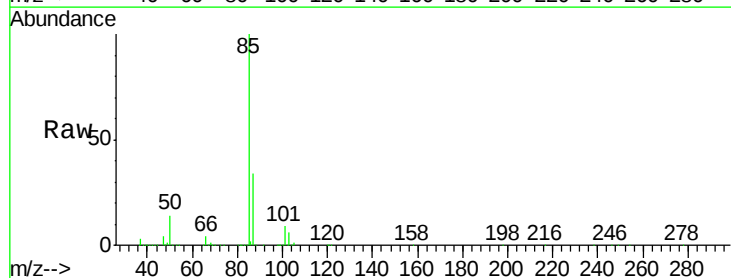
RT: 3.01 min Scan# 68

Delta R.T. 0.00 min

Lab File: VL034916.D

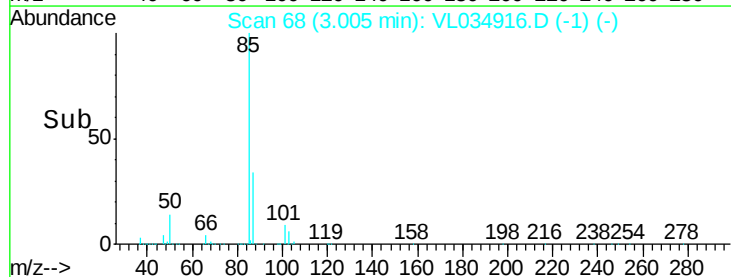
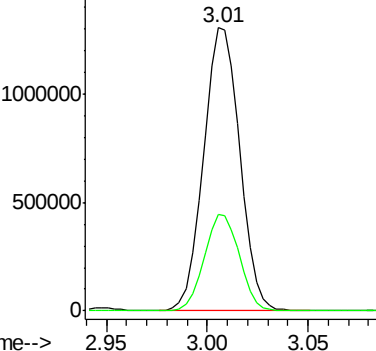
Acq: 17 Mar 2020 14:47

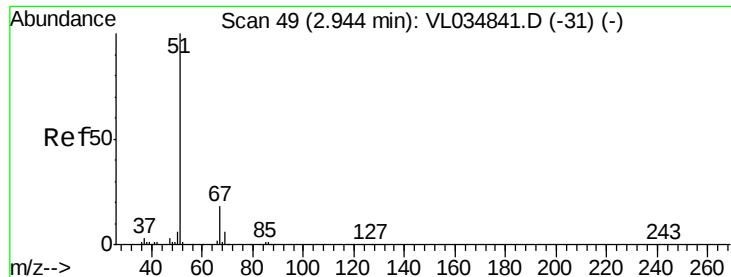
Tgt Ion:	85	Resp:	1643082
Ion	Ratio	Lower	Upper
85	100		
87	33.9	26.9	40.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.939 ppbv

RT: 2.95 min Scan# 50

Delta R.T. 0.00 min

Lab File: VL034916.D

Acq: 17 Mar 2020 14:47

Instrument :

MSVOA_L

ClientSampleId :

VL0317ABS01

Tot Ion: 51 Resp: 1068407

Ion Ratio Lower Upper

51 100

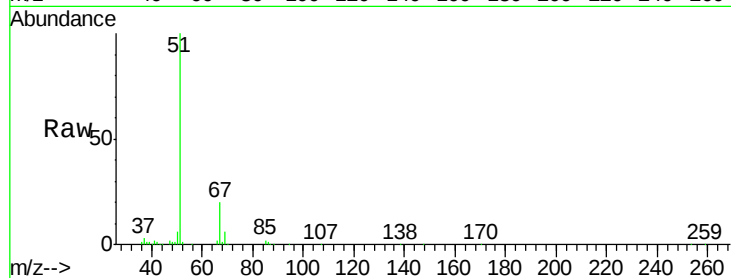
67 19.2 14.3 21.5

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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

1000000

800000

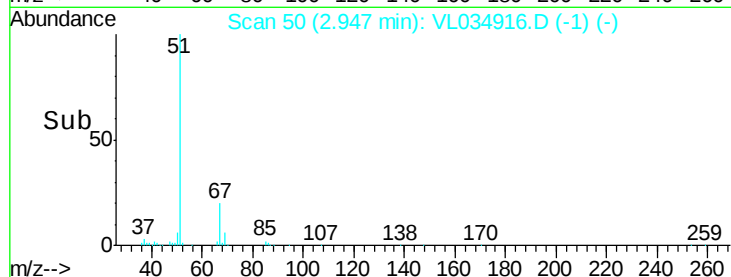
600000

400000

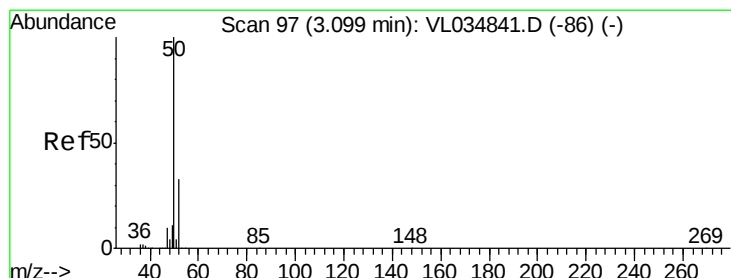
200000

0

Time-->



Time-->



#4

Chloromethane

Concen: 10.145 ppbv

RT: 3.10 min Scan# 97

Delta R.T. 0.00 min

Lab File: VL034916.D

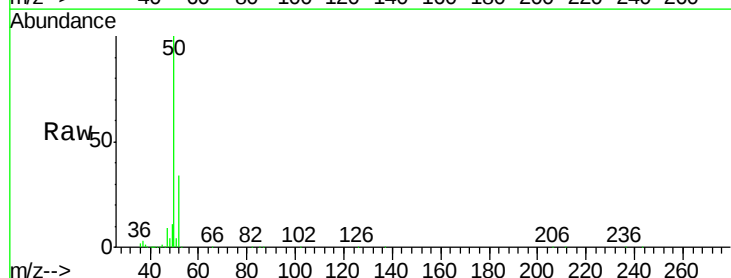
Acq: 17 Mar 2020 14:47

Tgt Ion: 50 Resp: 616341

Ion Ratio Lower Upper

50 100

52 34.2 26.8 40.2



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

500000

400000

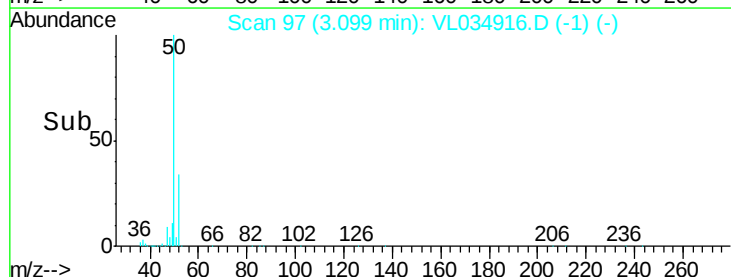
300000

200000

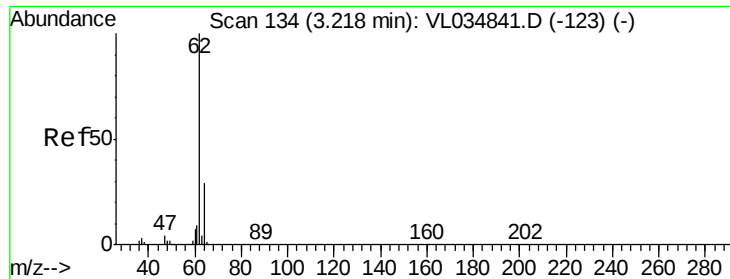
100000

0

Time-->



Time-->



#5

Vinyl Chloride

Concen: 10.180 ppbv

RT: 3.22 min Scan# 134

Delta R.T. 0.00 min

Lab File: VL034916.D

Acq: 17 Mar 2020 14:47

Instrument :

MSVOA_L

ClientSampleId :

VL0317ABS01

Tot Ion: 62 Resp: 594624

Ion Ratio Lower Upper

62 100

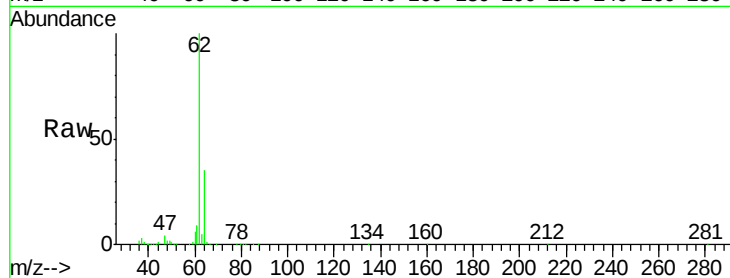
64 34.8 23.0 34.4#

Manual Integrations

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.22

400000

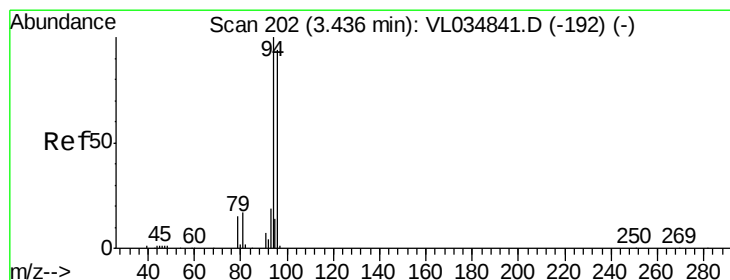
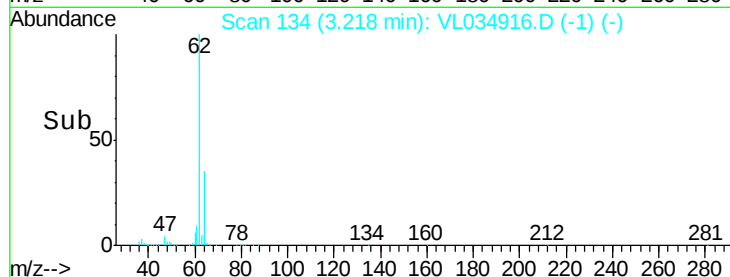
300000

200000

100000

0

Time--> 3.15 3.20 3.25



#6

Bromomethane

Concen: 10.524 ppbv

RT: 3.44 min Scan# 202

Delta R.T. 0.00 min

Lab File: VL034916.D

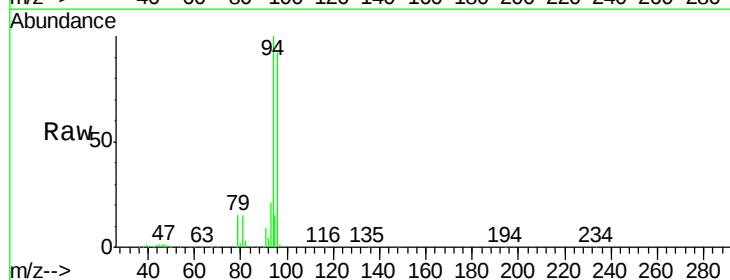
Acq: 17 Mar 2020 14:47

Tgt Ion: 94 Resp: 357852

Ion Ratio Lower Upper

94 100

96 92.3 75.5 113.3



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.44

300000

250000

200000

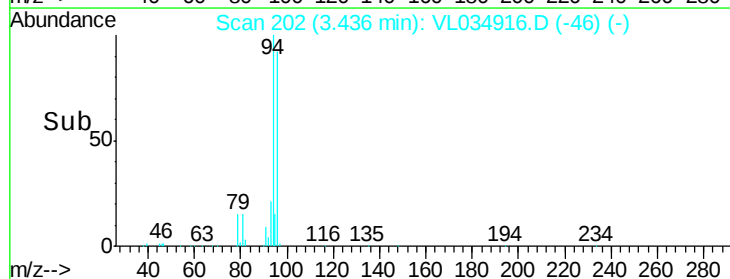
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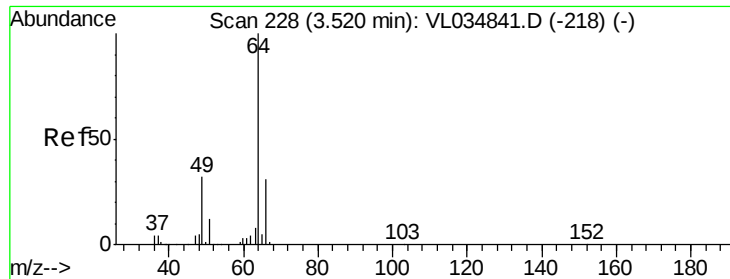
100000

50000

0

Time--> 3.40 3.45 3.50





#7

Chloroethane

Concen: 10.442 ppbv

RT: 3.52 min Scan# 228

Delta R.T. 0.00 min

Lab File: VL034916.D

Acq: 17 Mar 2020 14:47

Instrument :

MSVOA_L

ClientSampleId :

VL0317ABS01

Tot Ion: 64 Resp: 220248

Ion Ratio Lower Upper

64 100

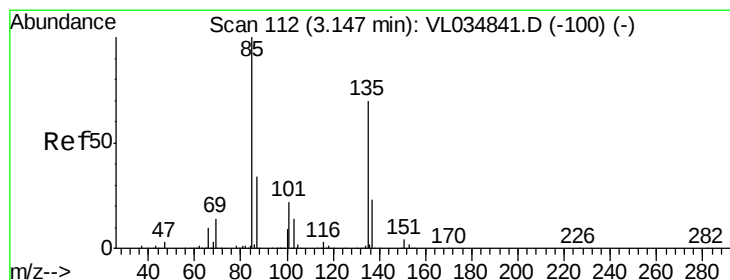
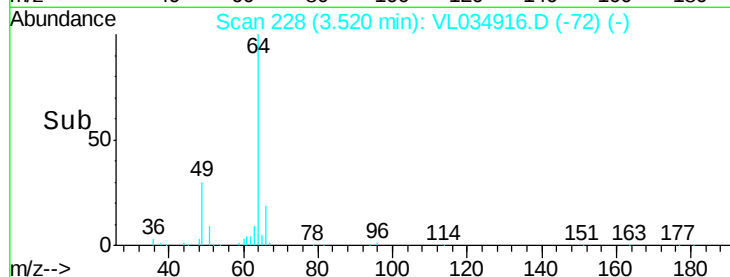
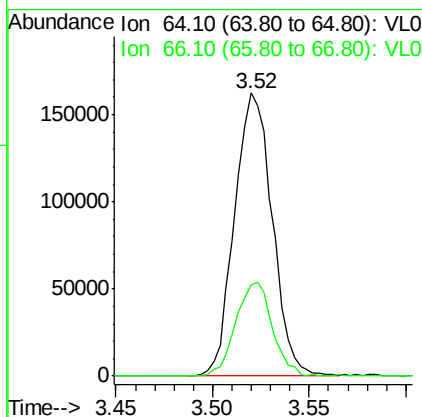
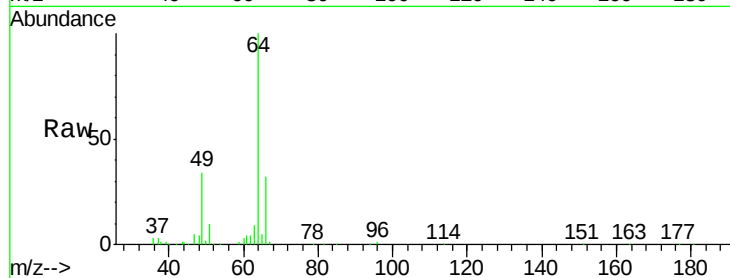
66 32.5 24.8 37.2

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 9.862 ppbv

RT: 3.15 min Scan# 112

Delta R.T. 0.00 min

Lab File: VL034916.D

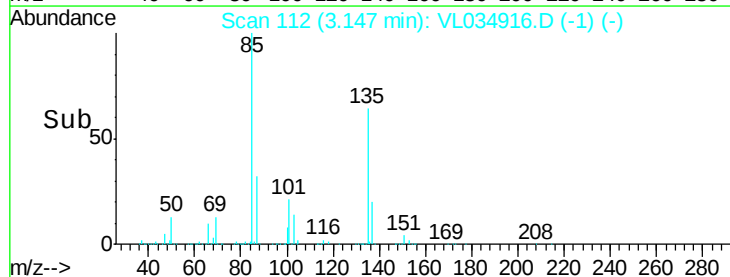
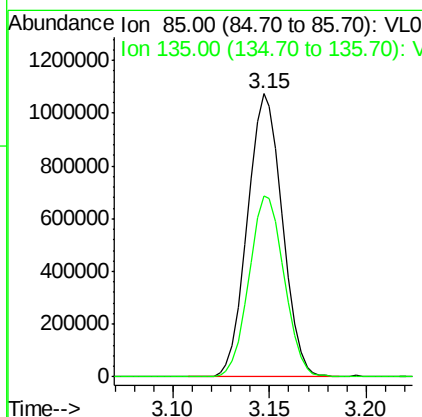
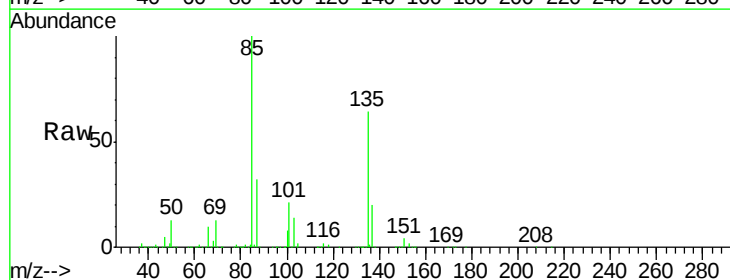
Acq: 17 Mar 2020 14:47

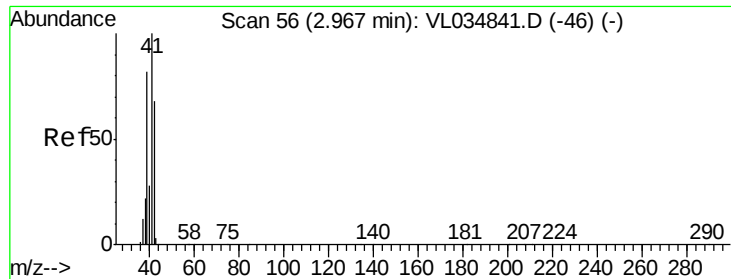
Tgt Ion: 85 Resp: 1349700

Ion Ratio Lower Upper

85 100

135 64.4 54.3 81.5





#9

Propene

Concen: 9.544 ppbv

RT: 2.97 min Scan# 56

Delta R.T. 0.00 min

Lab File: VL034916.D

Acq: 17 Mar 2020 14:47

Instrument :

MSVOA_L

ClientSampleId :

VL0317ABS01

Tot Ion: 41 Resp: 489849

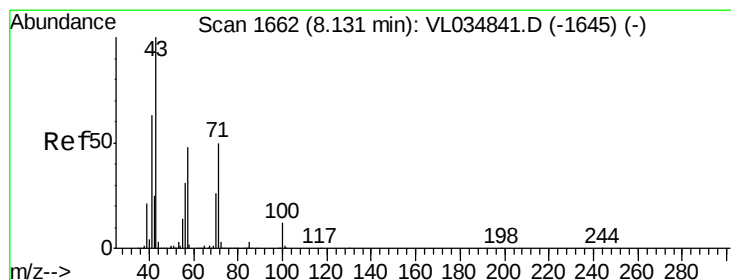
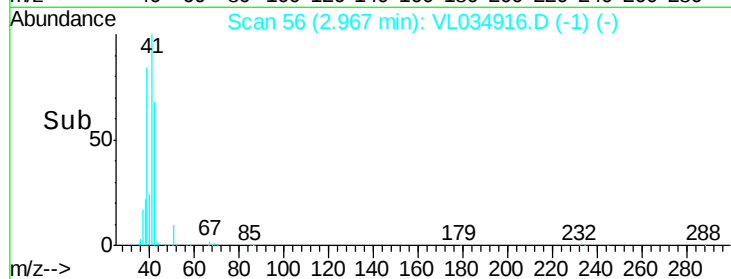
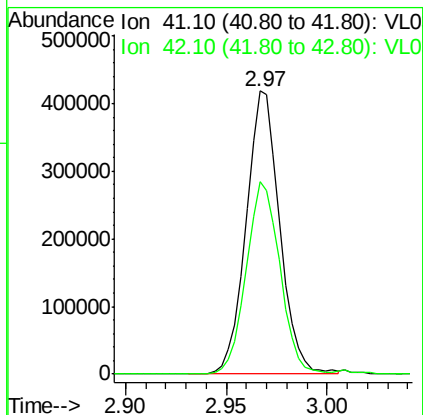
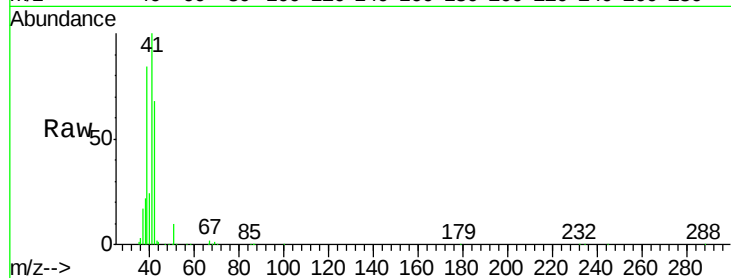
Ion Ratio Lower Upper

41 100

42 69.2 55.2 82.8

Manual Integrations
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#10

Heptane

Concen: 10.366 ppbv

RT: 8.13 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VL034916.D

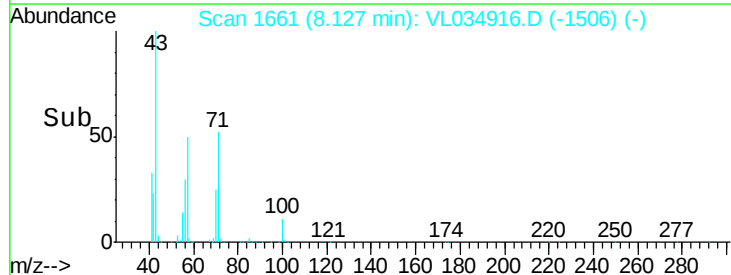
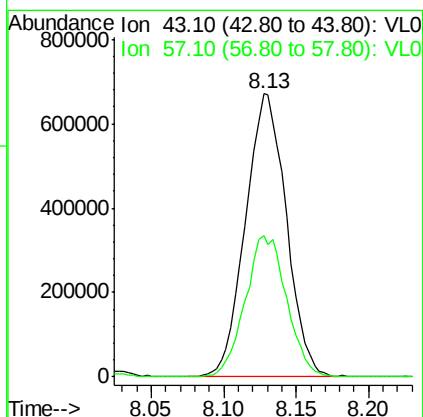
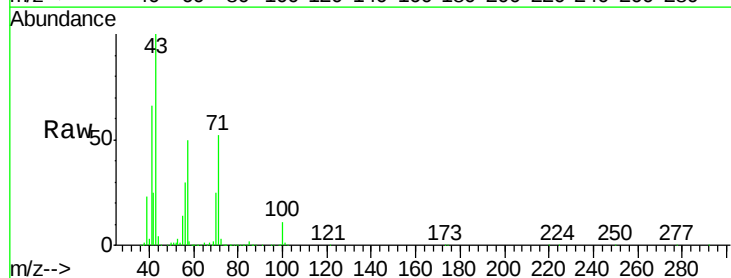
Acq: 17 Mar 2020 14:47

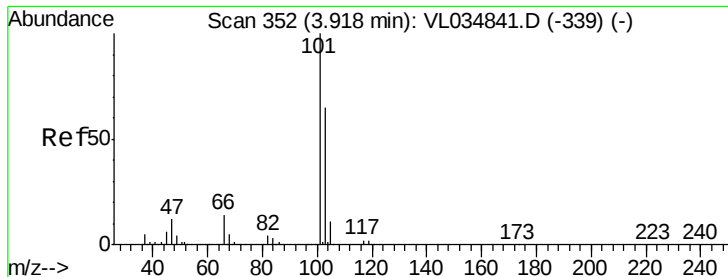
Tgt Ion: 43 Resp: 1309379

Ion Ratio Lower Upper

43 100

57 50.9 39.7 59.5





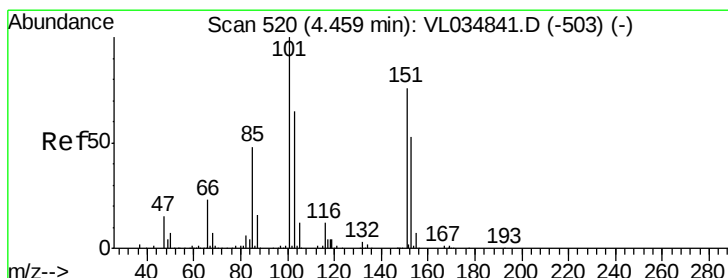
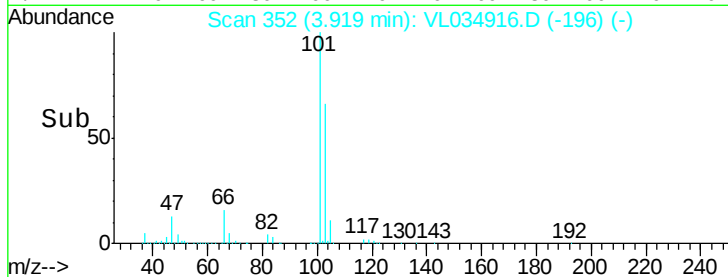
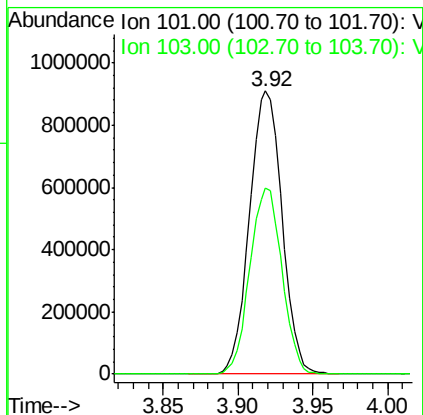
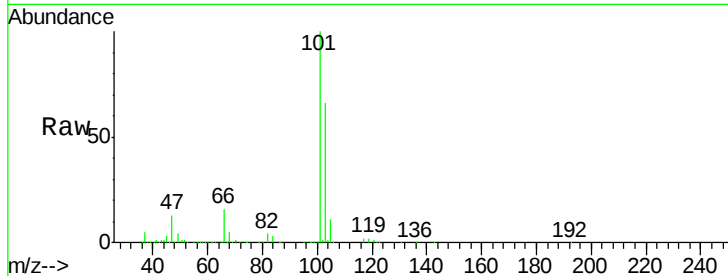
#11
 Trichlorofluoromethane
 Concen: 9.830 ppbv
 RT: 3.92 min Scan# 352
 Delta R.T. 0.00 min
 Lab File: VL034916.D
 Acq: 17 Mar 2020 14:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0317ABS01

Tot Ion:101 Resp: 1378201
 Ion Ratio Lower Upper
 101 100
 103 65.9 51.8 77.8

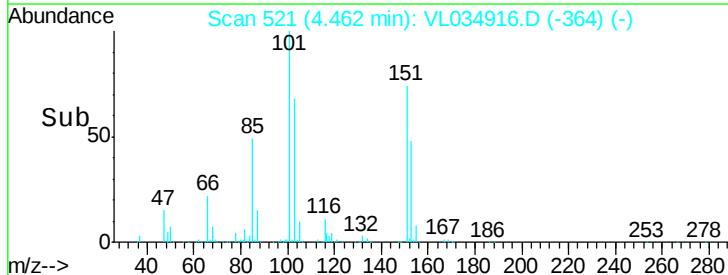
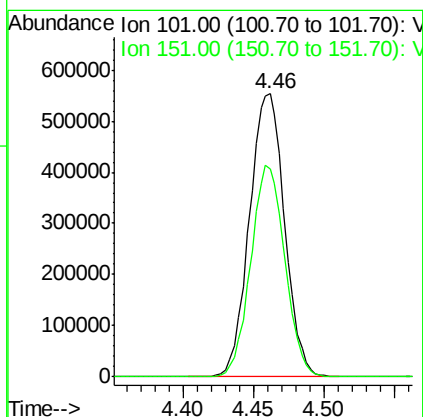
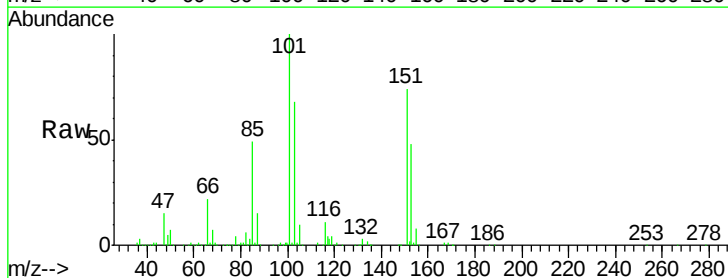
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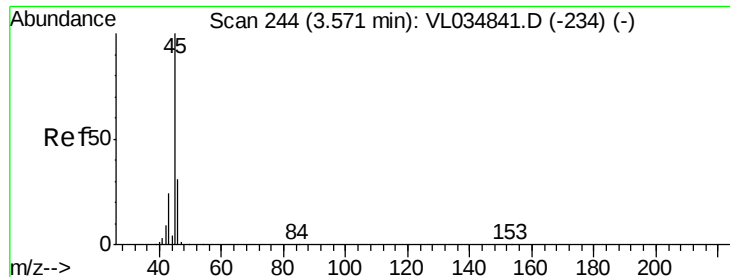
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.838 ppbv
 RT: 4.46 min Scan# 521
 Delta R.T. 0.00 min
 Lab File: VL034916.D
 Acq: 17 Mar 2020 14:47

Tgt Ion:101 Resp: 965329
 Ion Ratio Lower Upper
 101 100
 151 72.7 60.8 91.2





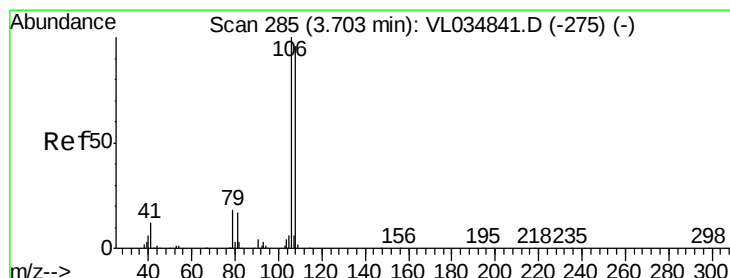
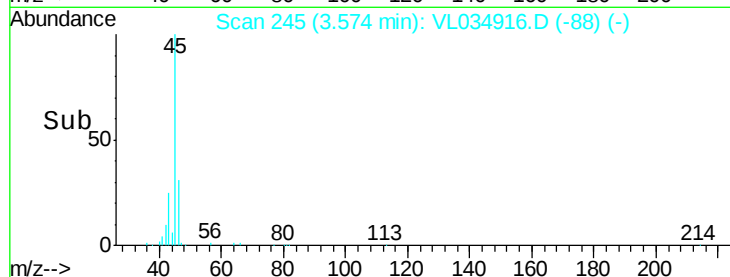
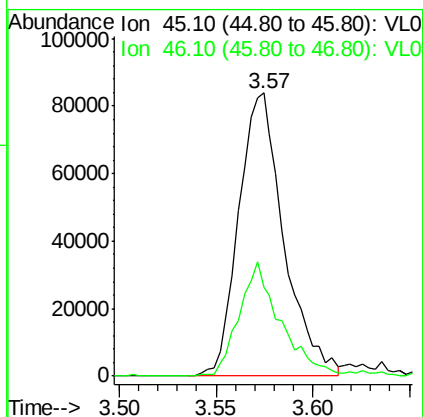
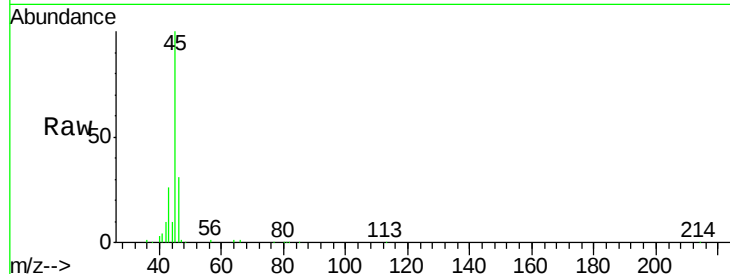
#13
Ethanol
Concen: 8.741 ppbv
RT: 3.57 min Scan# 245
Delta R.T. 0.00 min
Lab File: VL034916.D
Acq: 17 Mar 2020 14:47

Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Tot Ion: 45 Resp: 136400
Ion Ratio Lower Upper
45 100
46 38.3 16.0 64.0

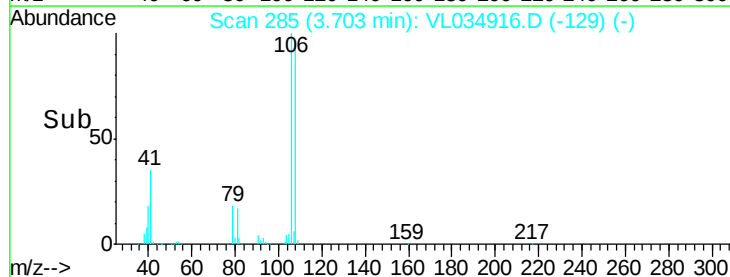
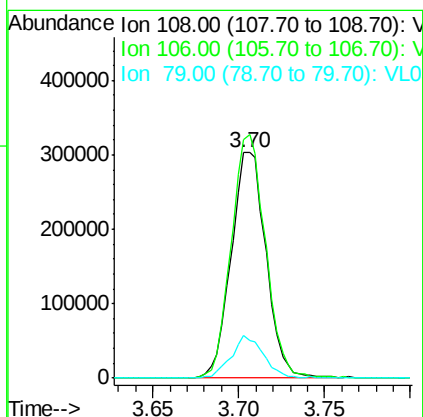
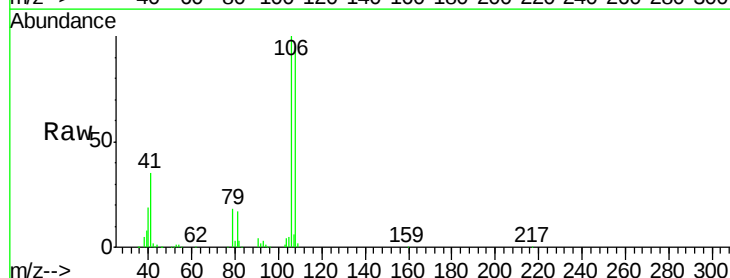
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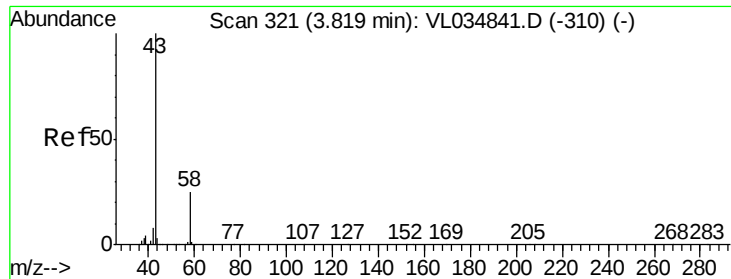
MMDadoda
3/18/2020 5:35:42 PM



#14
Bromoethene
Concen: 10.059 ppbv
RT: 3.70 min Scan# 285
Delta R.T. 0.00 min
Lab File: VL034916.D
Acq: 17 Mar 2020 14:47

Tgt Ion: 108 Resp: 426252
Ion Ratio Lower Upper
108 100
106 106.3 85.1 127.7
79 17.8 14.7 22.1





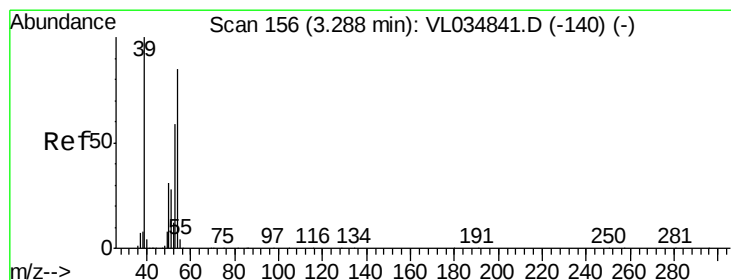
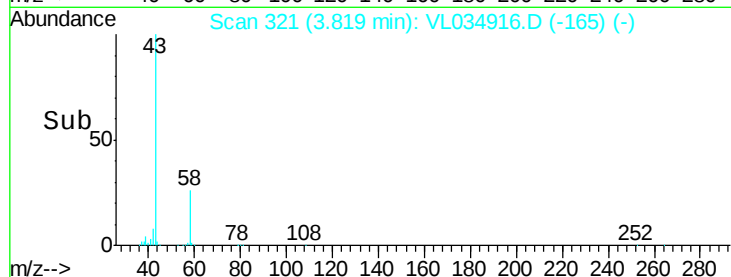
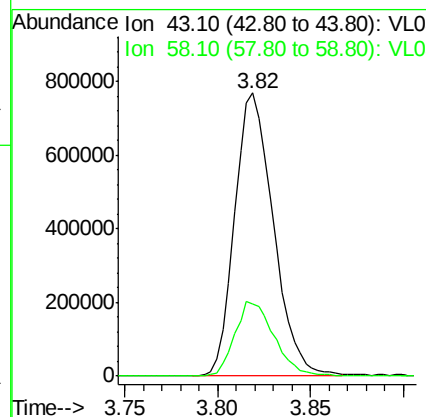
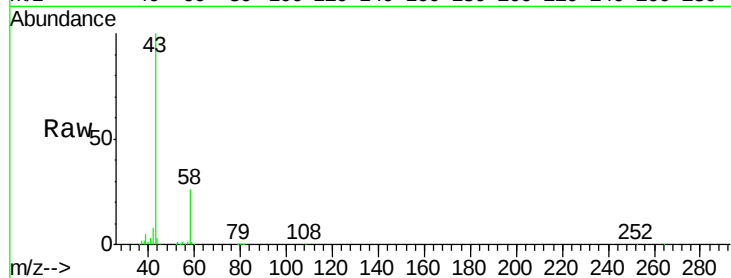
#15
Acetone
Concen: 8.936 ppbv
RT: 3.82 min Scan# 321
Delta R.T. 0.00 min
Lab File: VL034916.D
Acq: 17 Mar 2020 14:47

Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Tot Ion: 43 Resp: 1114587
Ion Ratio Lower Upper
43 100
58 26.9 21.0 31.6

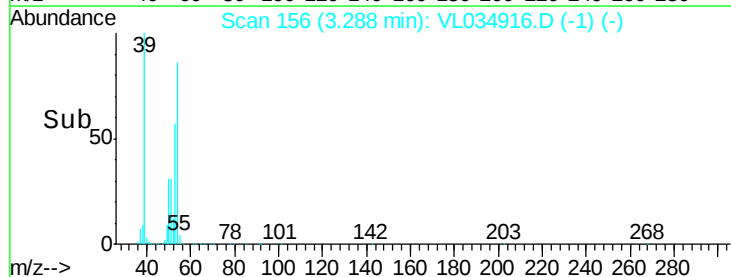
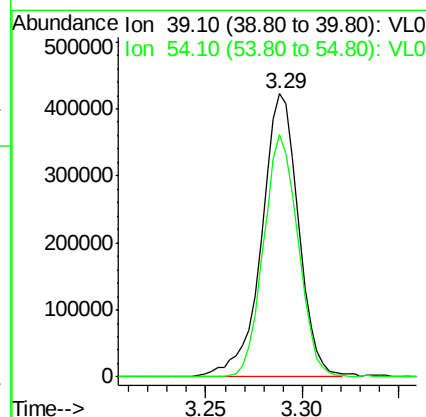
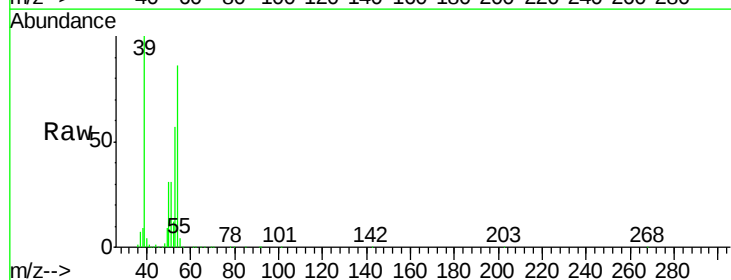
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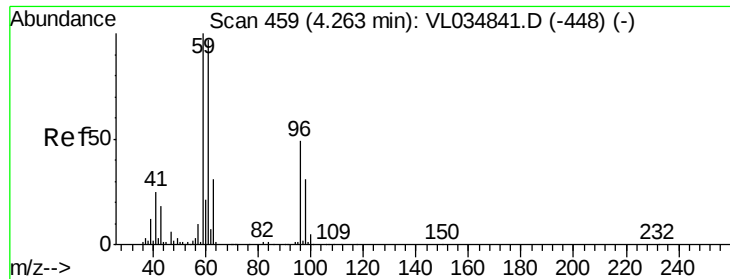
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#16
1,3-Butadiene
Concen: 9.903 ppbv
RT: 3.29 min Scan# 156
Delta R.T. 0.00 min
Lab File: VL034916.D
Acq: 17 Mar 2020 14:47

Tgt Ion: 39 Resp: 558566
Ion Ratio Lower Upper
39 100
54 80.7 65.0 97.6





#17

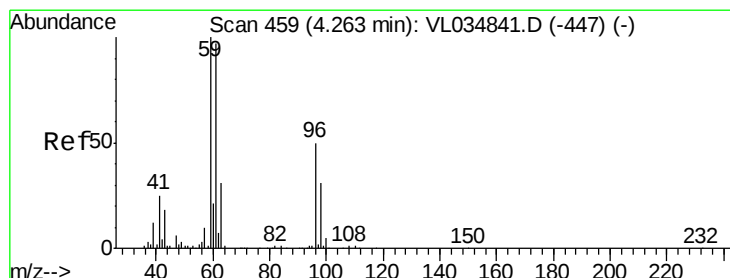
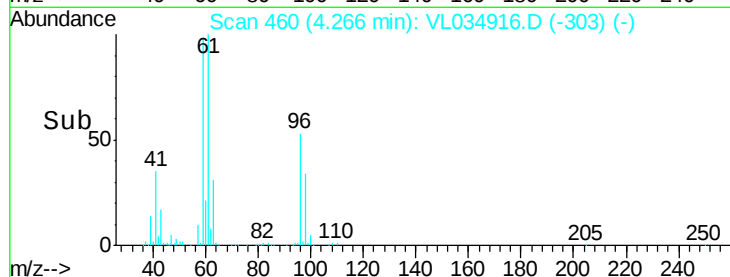
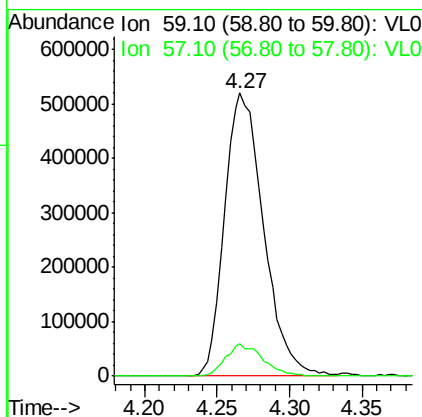
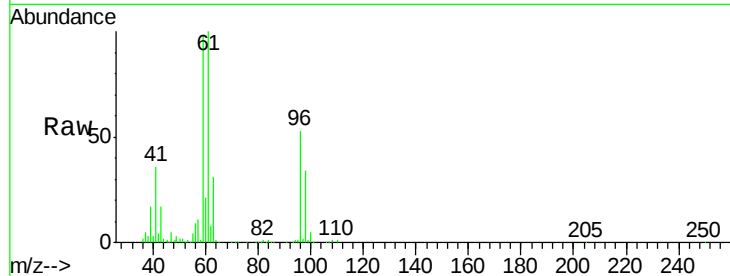
tert-Butyl alcohol
Concen: 8.079 ppbv
RT: 4.27 min Scan# 460
Delta R.T. 0.00 min
Lab File: VL034916.D
Acq: 17 Mar 2020 14:47

Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.3	12.5

Manual Integrations
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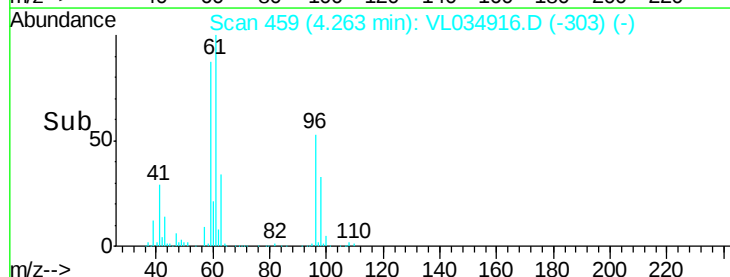
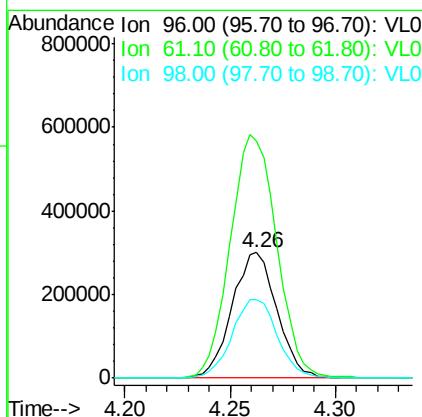
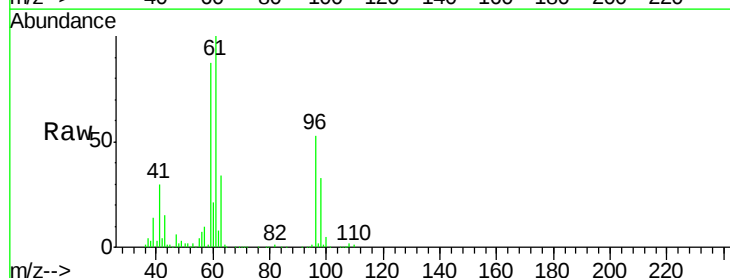
MMDadoda
3/18/2020 5:35:42 PM

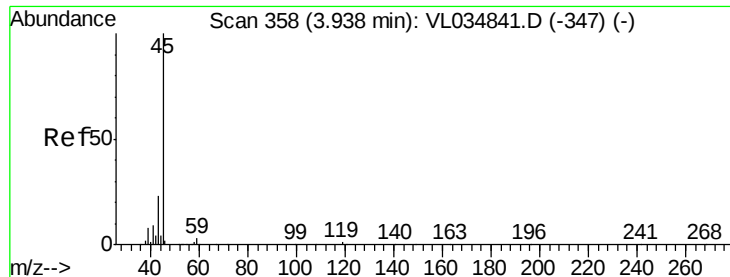


#18

1,1-Dichloroethene
Concen: 10.114 ppbv
RT: 4.26 min Scan# 459
Delta R.T. 0.00 min
Lab File: VL034916.D
Acq: 17 Mar 2020 14:47

Tgt Ion	Ratio	Lower	Upper
96	100		
61	189.0	157.3	235.9
98	61.8	50.2	75.4





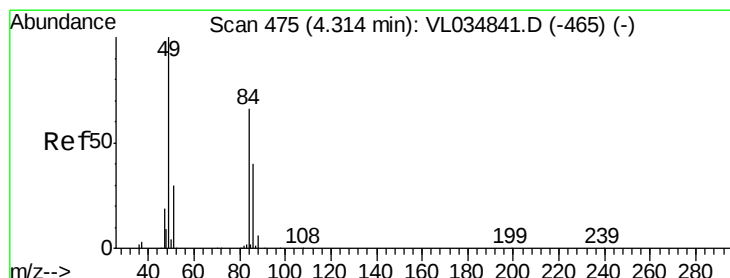
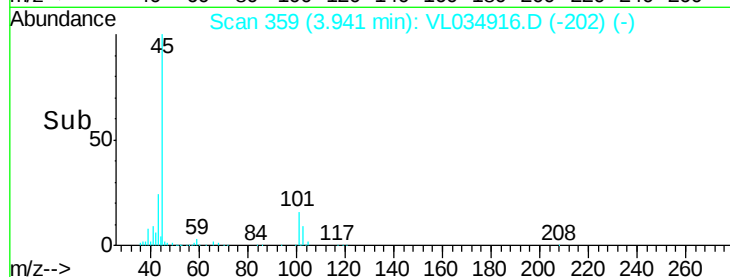
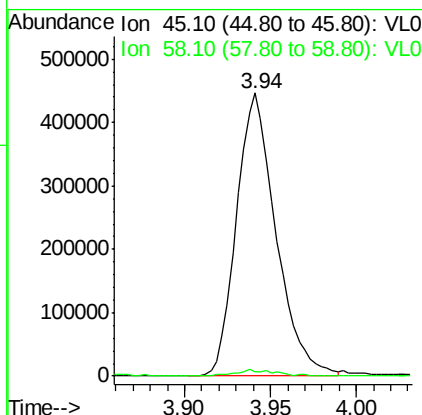
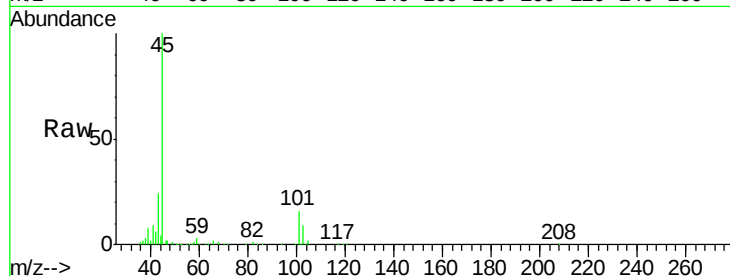
#19
Isopropyl Alcohol
Concen: 9.043 ppbv
RT: 3.94 min Scan# 359
Delta R.T. 0.00 min
Lab File: VL034916.D
Acq: 17 Mar 2020 14:47

Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Tot Ion	Ratio	Lower	Upper
45	100		
58	2.5	30.5	45.7#

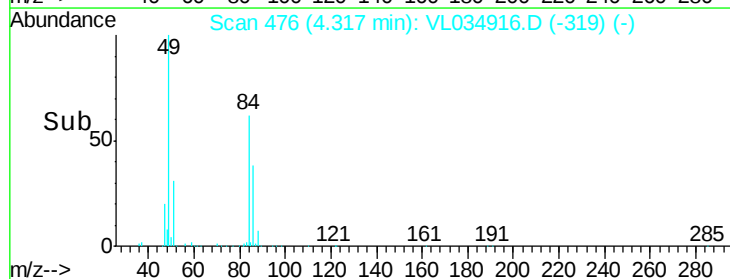
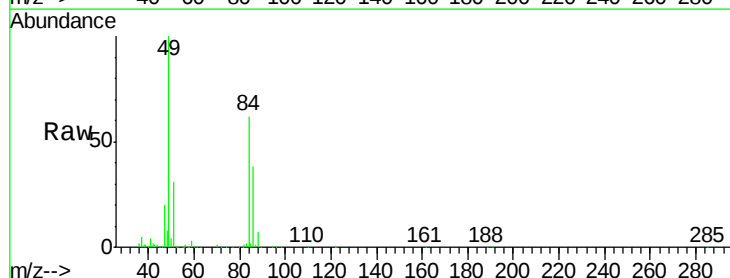
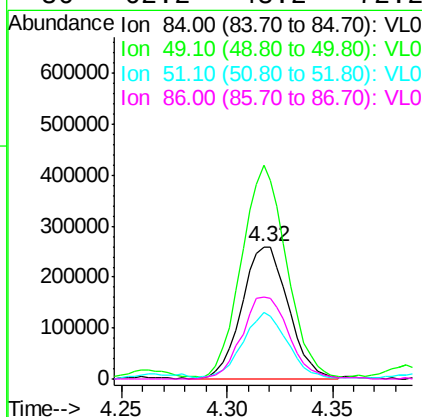
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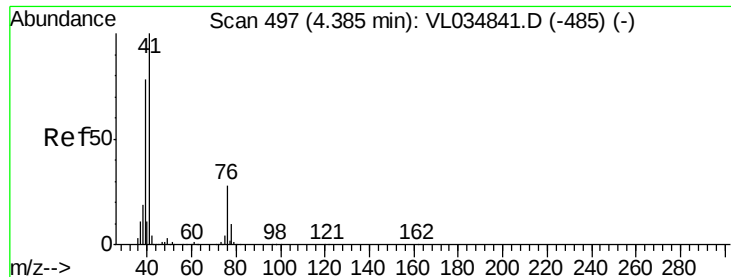
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#20
Methylene Chloride
Concen: 10.092 ppbv
RT: 4.32 min Scan# 476
Delta R.T. 0.00 min
Lab File: VL034916.D
Acq: 17 Mar 2020 14:47

Tgt Ion	Ratio	Lower	Upper
84	100		
49	159.9	121.5	182.3
51	49.0	36.6	55.0
86	62.2	48.2	72.2





#21

Allvl Chloride

Concen: 9.762 ppbv

RT: 4.39 min Scan# 498

Delta R.T. 0.00 min

Lab File: VL034916.D

Acq: 17 Mar 2020 14:47

Instrument :

MSVOA_L

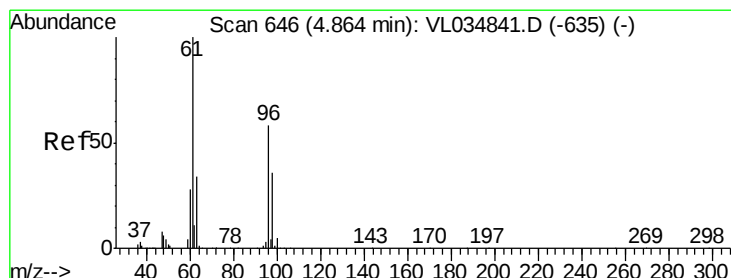
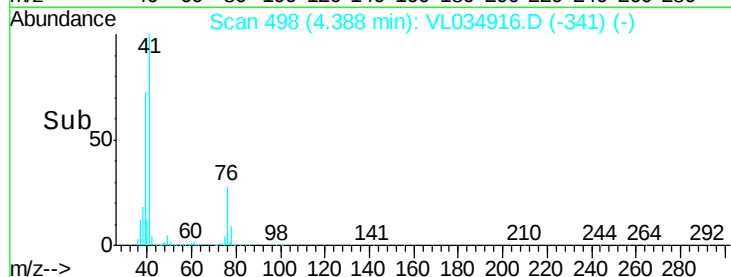
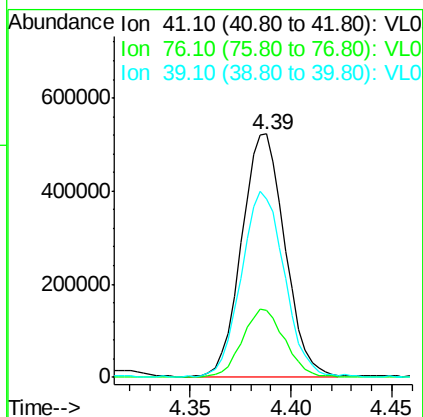
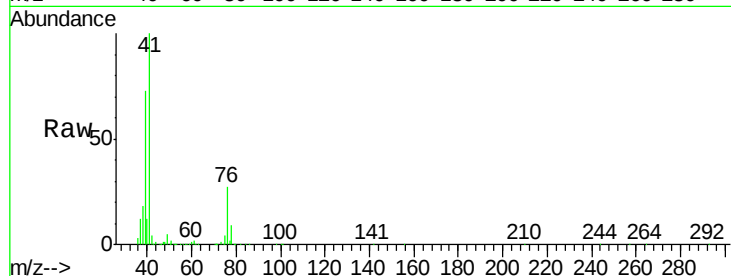
ClientSampleId :

VL0317ABS01

Tot Ion:	41	Resp:	781965
Ion Ratio	Lower	Upper	
41	100		
76	27.7	22.2	33.2
39	76.4	62.6	93.8

Manual Integrations
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#22

trans-1,2-Dichloroethene

Concen: 9.935 ppbv

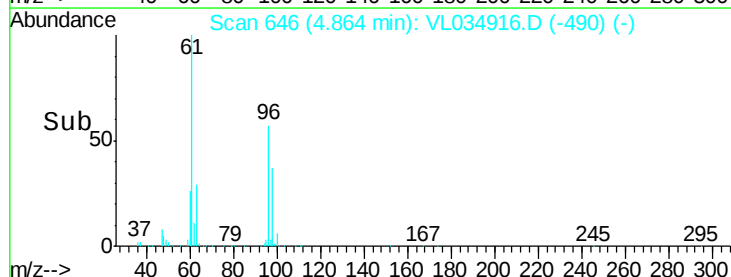
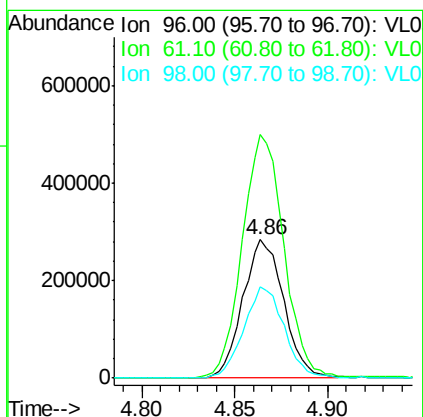
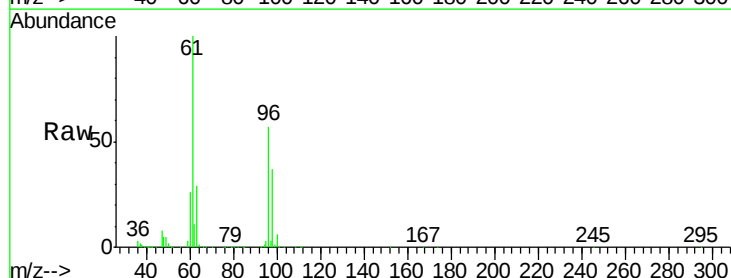
RT: 4.86 min Scan# 646

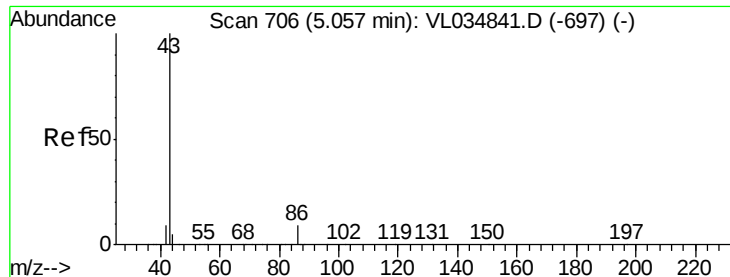
Delta R.T. 0.00 min

Lab File: VL034916.D

Acq: 17 Mar 2020 14:47

Tgt Ion:	96	Resp:	437971
Ion Ratio	Lower	Upper	
96	100		
61	176.2	139.0	208.6
98	65.9	50.3	75.5





#23

Vinyl Acetate

Concen: 9.603 ppbv

RT: 5.06 min Scan# 706

Delta R.T. 0.00 min

Lab File: VL034916.D

Acq: 17 Mar 2020 14:47

Tot Ion: 43 Resp: 1769311

Ion Ratio Lower Upper

43 100

86 7.6 6.3 9.5

42 10.6 7.8 11.8

44 5.3 4.0 6.0

Instrument :

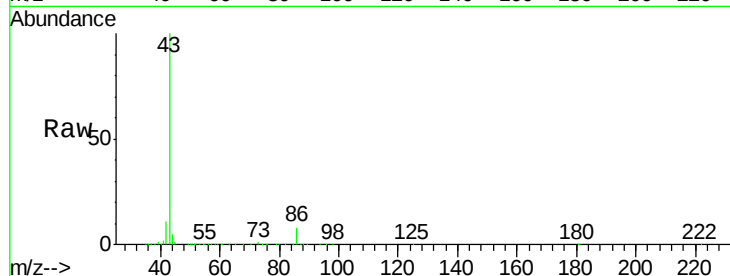
MSVOA_L

ClientSampleId :

VL0317ABS01

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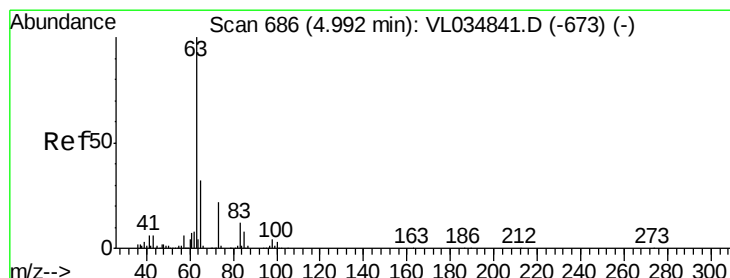
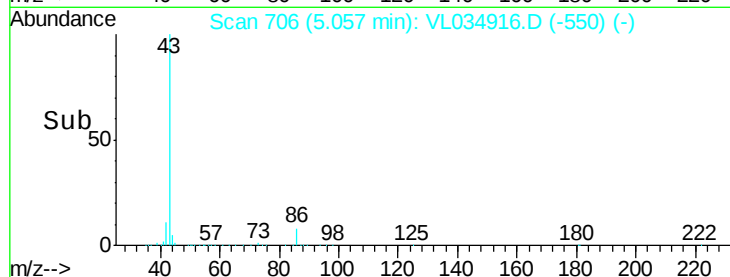
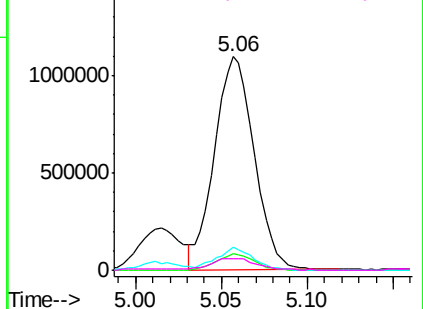


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.974 ppbv

RT: 5.00 min Scan# 687

Delta R.T. 0.00 min

Lab File: VL034916.D

Acq: 17 Mar 2020 14:47

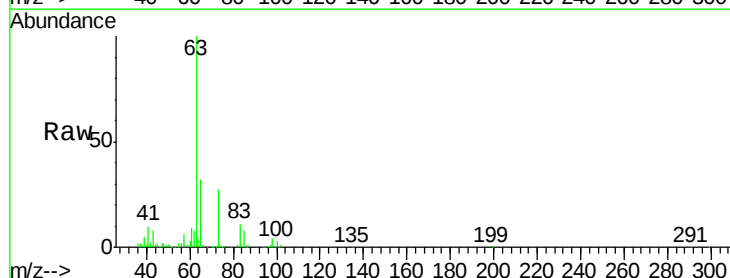
Tgt Ion: 63 Resp: 1231932

Ion Ratio Lower Upper

63 100

98 3.7 2.0 5.8

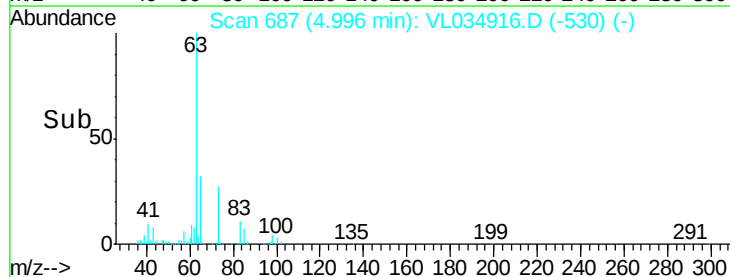
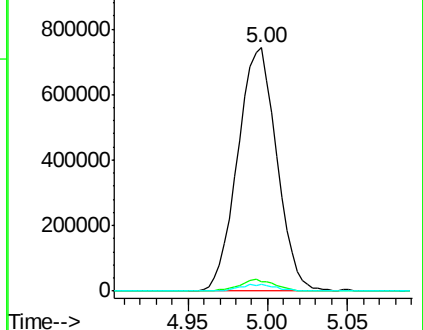
100 2.7 1.4 4.0

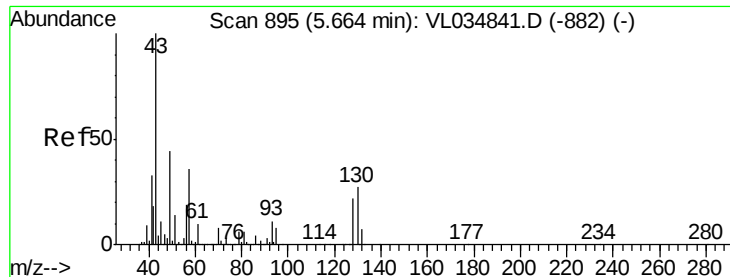


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





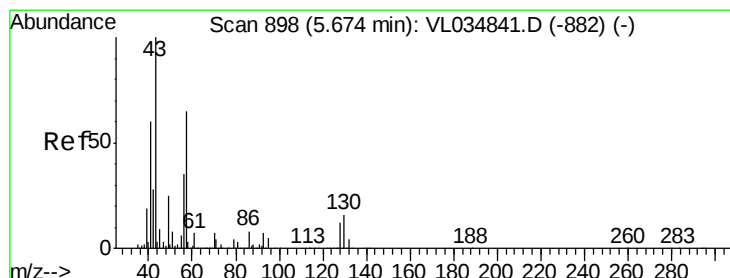
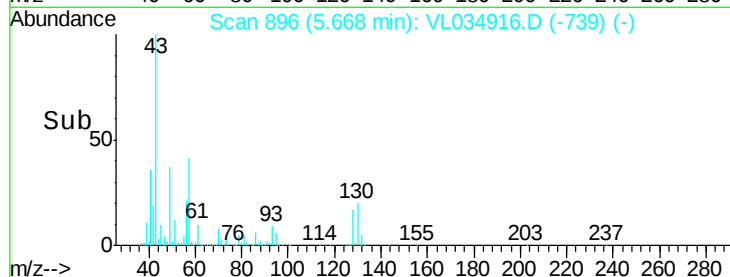
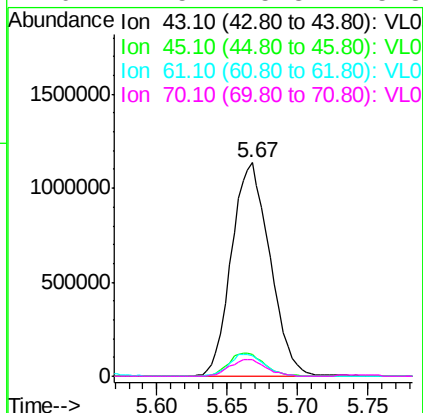
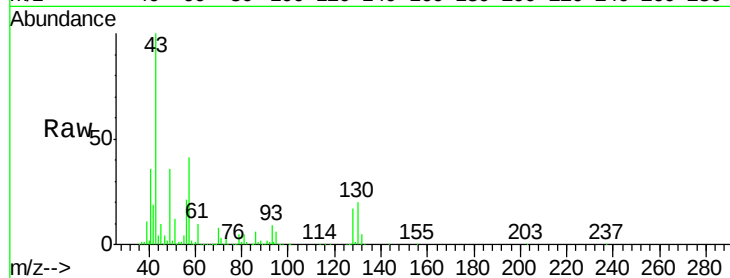
#25
Ethyl Acetate
Concen: 9.728 ppbv
RT: 5.67 min Scan# 896
Delta R.T. 0.00 min
Lab File: VL034916.D
Acq: 17 Mar 2020 14:47

Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Tot Ion:	43	Resp:	2161615
Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.2	12.2
61	9.5	7.8	11.6
70	7.5	5.8	8.8

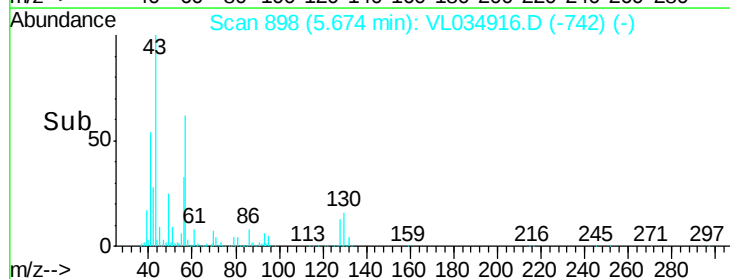
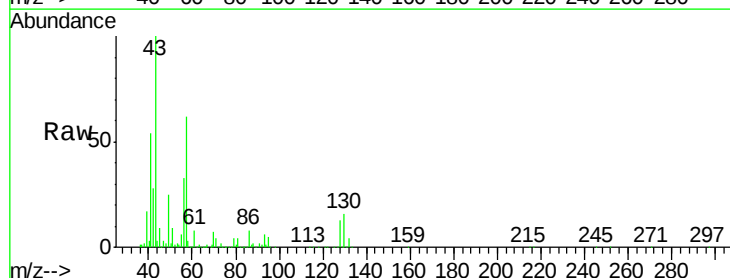
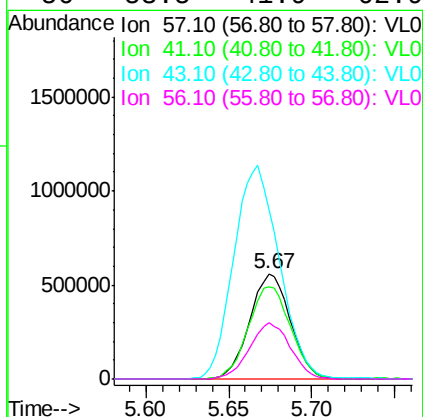
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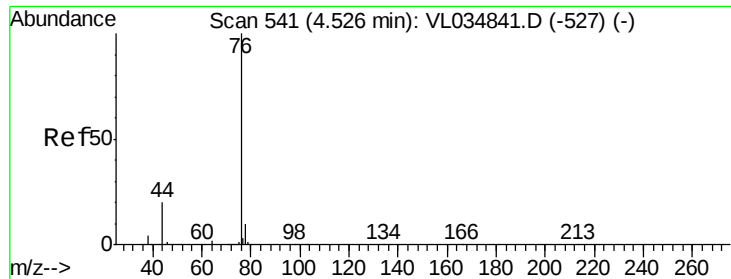
MMDadoda
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#26
Hexane
Concen: 9.981 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.00 min
Lab File: VL034916.D
Acq: 17 Mar 2020 14:47

Tgt Ion:	57	Resp:	955055
Ion	Ratio	Lower	Upper
57	100		
41	92.0	72.6	109.0
43	227.5	183.8	275.6
56	53.5	41.9	62.9





#27

Carbon Disulfide

Concen: 10.353 ppbv

RT: 4.53 min Scan# 541

Delta R.T. 0.00 min

Lab File: VL034916.D

Acq: 17 Mar 2020 14:47

Instrument :

MSVOA_L

ClientSampleId :

VL0317ABS01

Tot Ion: 76 Resp: 1124112

Ion Ratio Lower Upper

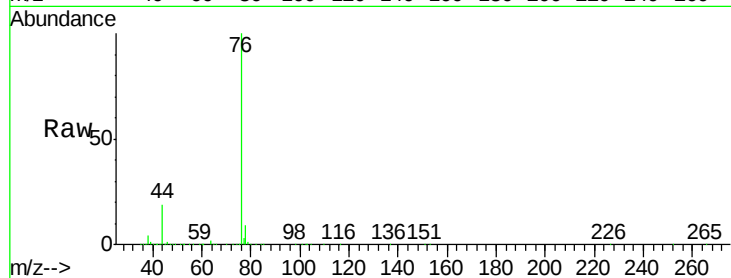
76 100

44 19.7 16.2 24.2

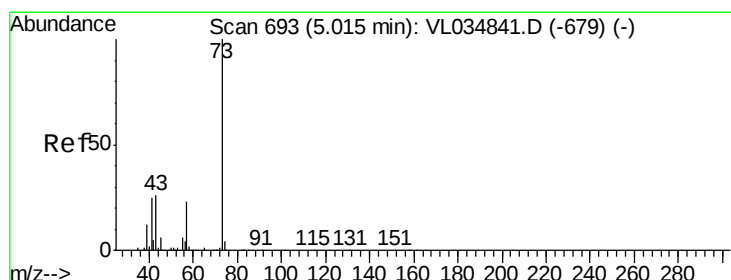
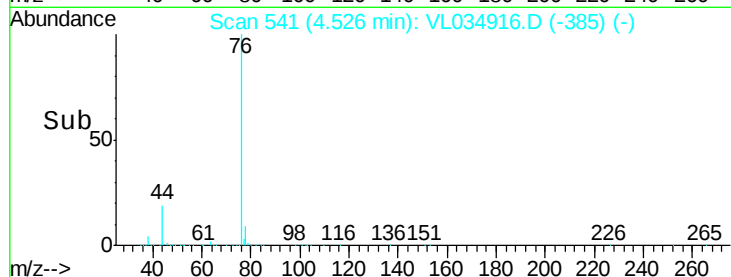
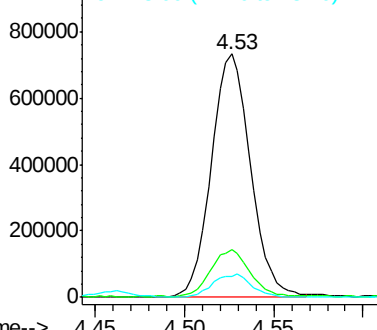
78 9.6 7.8 11.6

Manual Integrations
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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: 9.148 ppbv

RT: 5.01 min Scan# 692

Delta R.T. -0.00 min

Lab File: VL034916.D

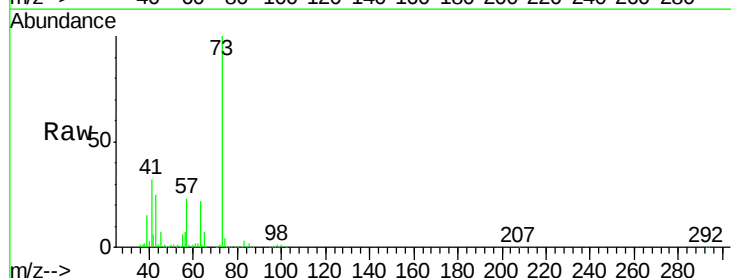
Acq: 17 Mar 2020 14:47

Tgt Ion: 73 Resp: 1456448

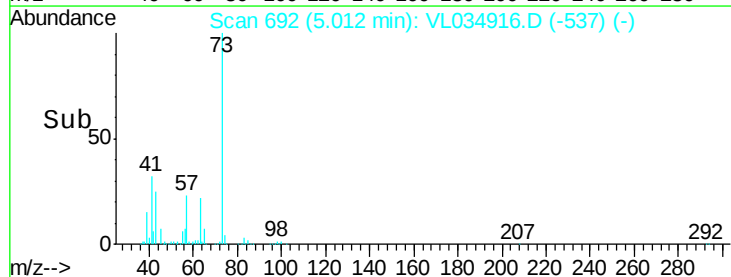
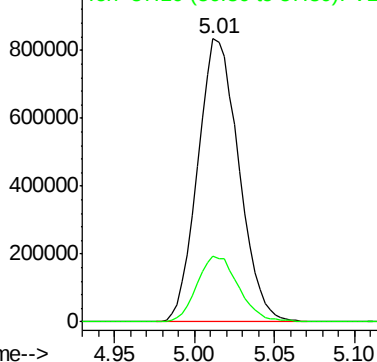
Ion Ratio Lower Upper

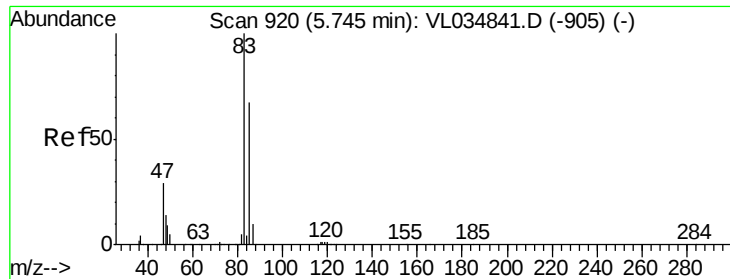
73 100

57 23.7 18.3 27.5



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





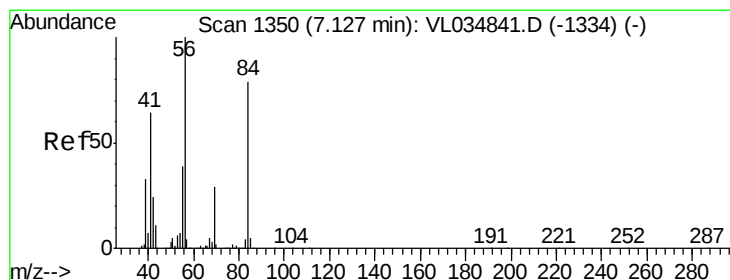
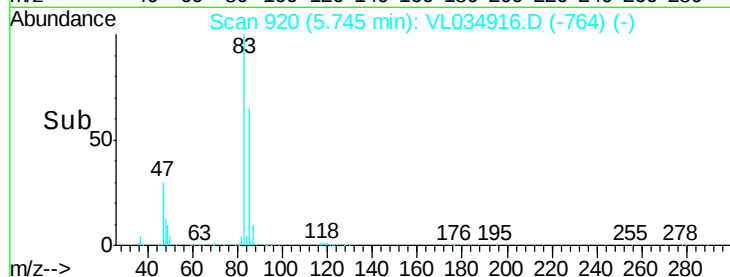
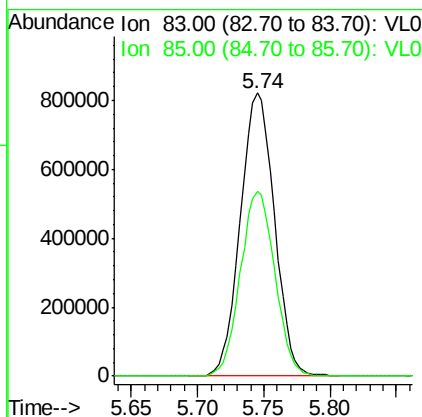
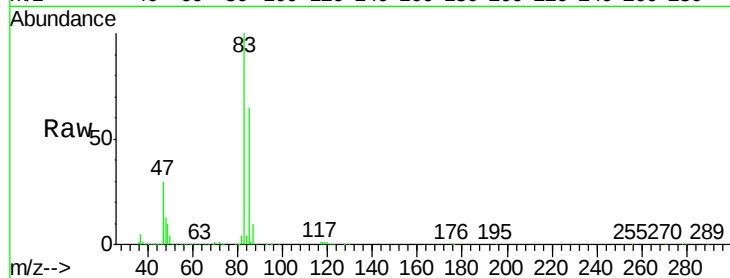
#29
Chloroform
Concen: 10.087 ppbv
RT: 5.74 min Scan# 920
Delta R.T. 0.00 min
Lab File: VL034916.D
Acq: 17 Mar 2020 14:47

Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Tot Ion: 83 Resp: 1472705
Ion Ratio Lower Upper
83 100
85 65.1 53.8 80.6

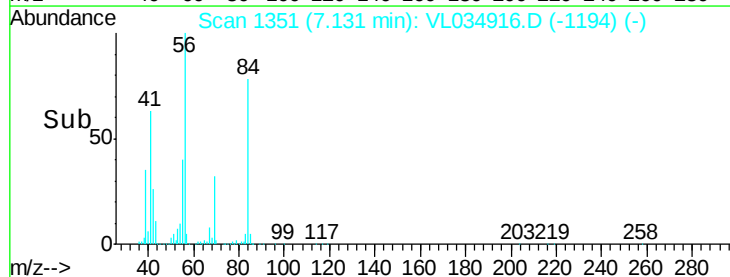
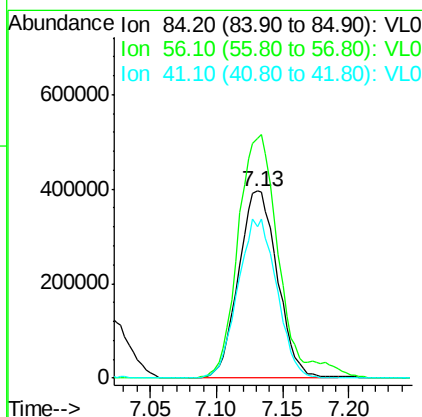
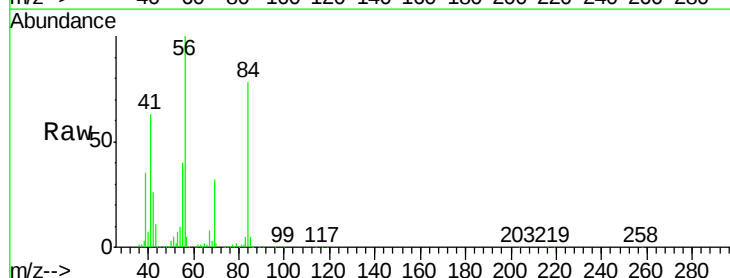
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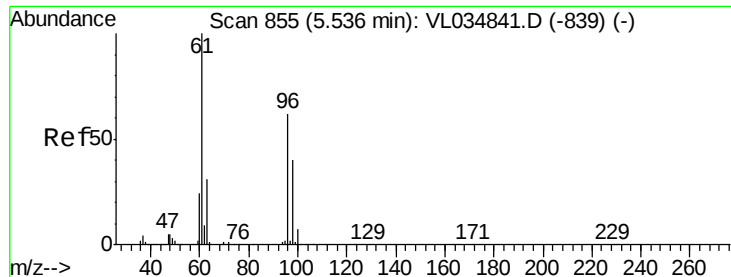
MMDadoda
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#30
Cyclohexane
Concen: 10.153 ppbv
RT: 7.13 min Scan# 1351
Delta R.T. 0.00 min
Lab File: VL034916.D
Acq: 17 Mar 2020 14:47

Tgt Ion: 84 Resp: 810562
Ion Ratio Lower Upper
84 100
56 136.8 110.5 165.7
41 85.0 68.2 102.4





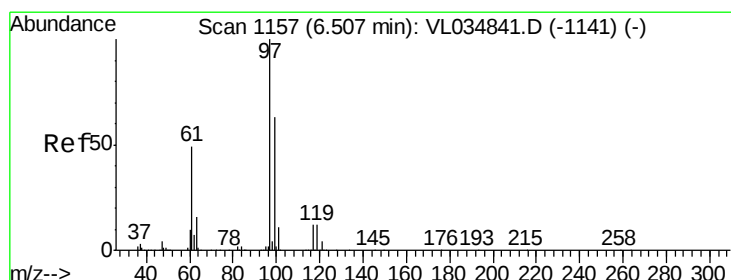
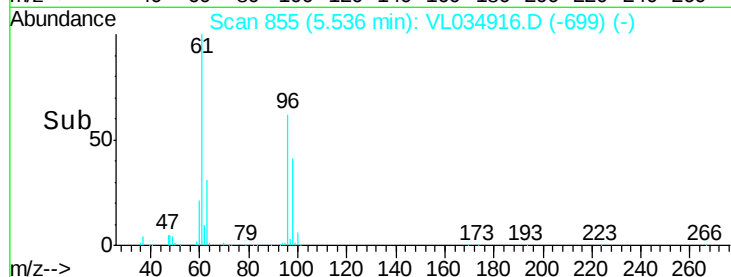
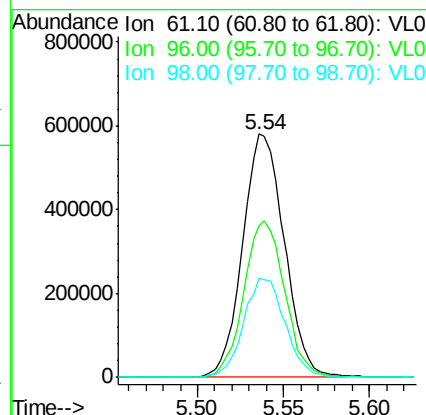
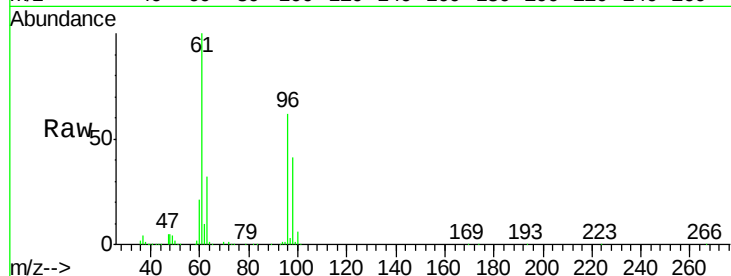
#31
 cis-1,2-Dichloroethene
 Concen: 9.911 ppbv
 RT: 5.54 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VL034916.D
 Acq: 17 Mar 2020 14:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0317ABS01

Tot Ion	Ratio	Resp Lower	Upper
61	100		
96	62.1	49.8	74.8
98	40.8	32.2	48.4

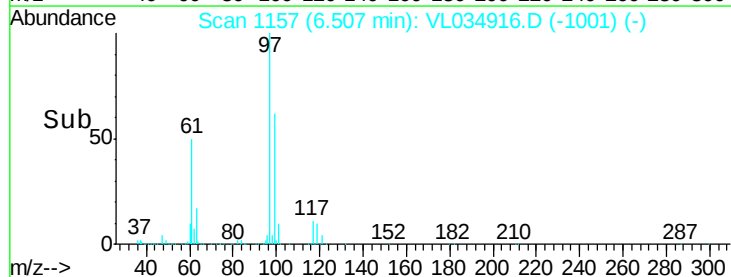
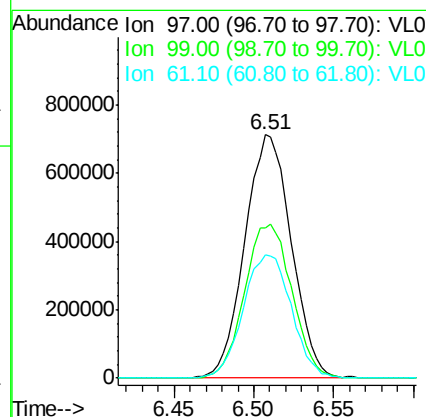
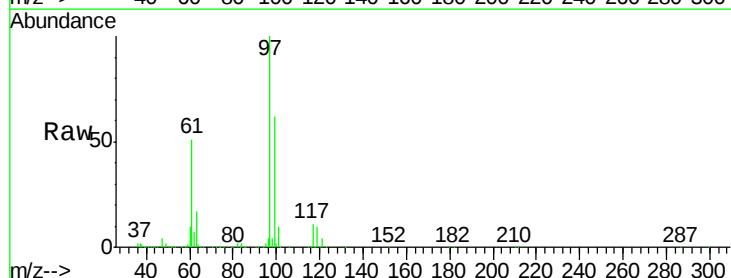
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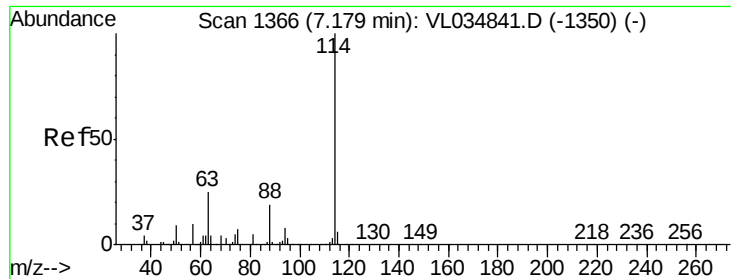
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#32
 1,1,1-Trichloroethane
 Concen: 9.933 ppbv
 RT: 6.51 min Scan# 1157
 Delta R.T. 0.00 min
 Lab File: VL034916.D
 Acq: 17 Mar 2020 14:47

Tgt Ion	Ratio	Resp Lower	Upper
97	100		
99	64.7	51.1	76.7
61	52.8	39.7	59.5





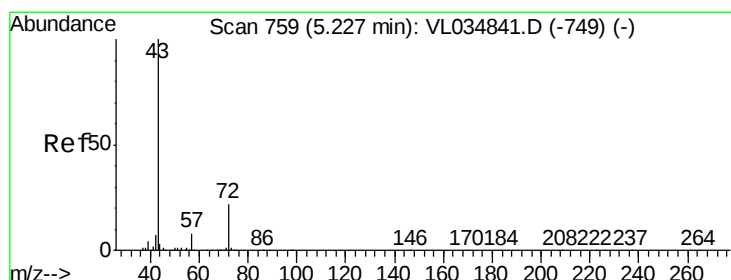
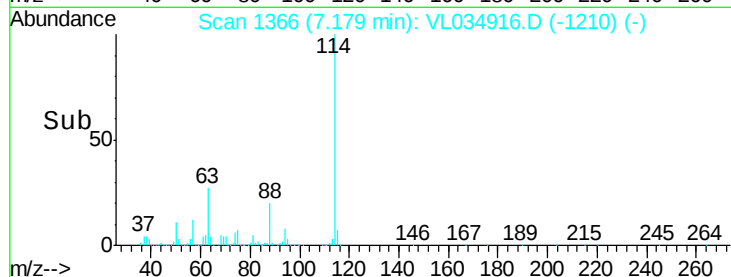
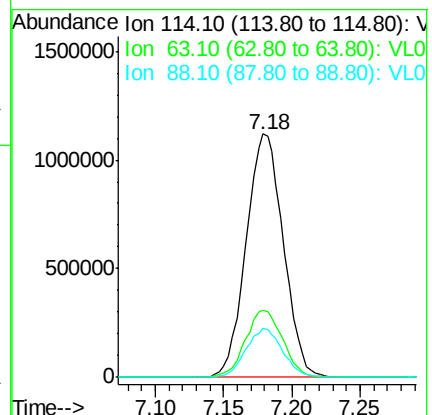
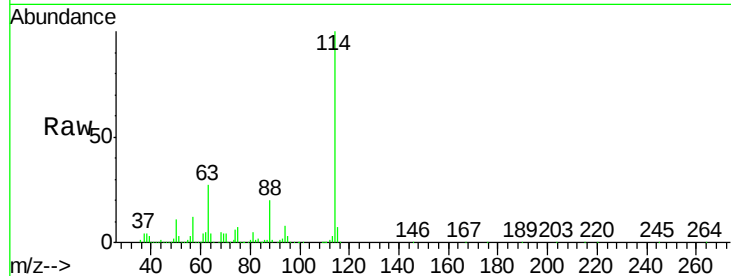
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. 0.00 min
 Lab File: VL034916.D
 Acq: 17 Mar 2020 14:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0317ABS01

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.9	20.6	31.0
88	19.7	15.0	22.6

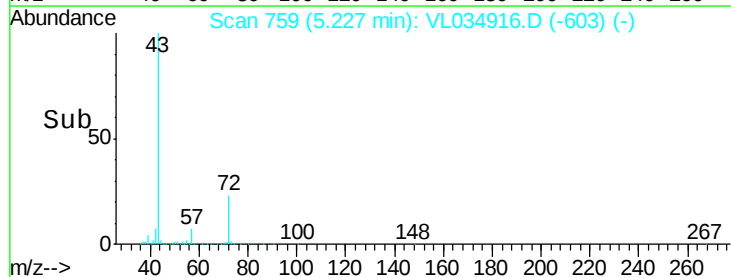
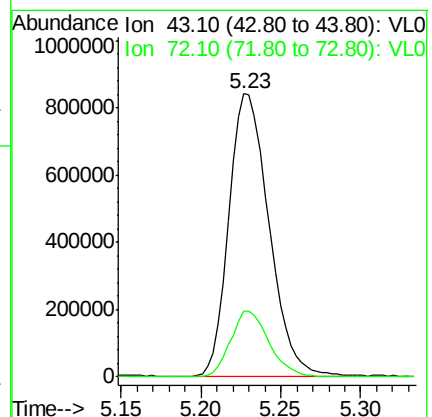
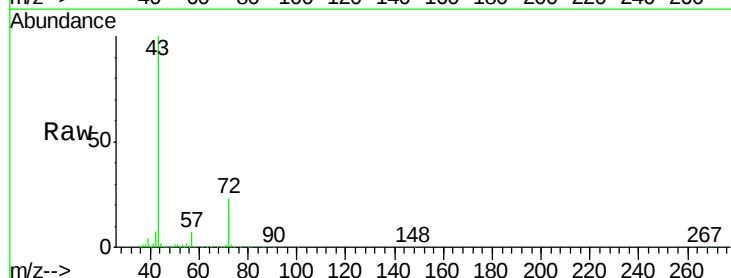
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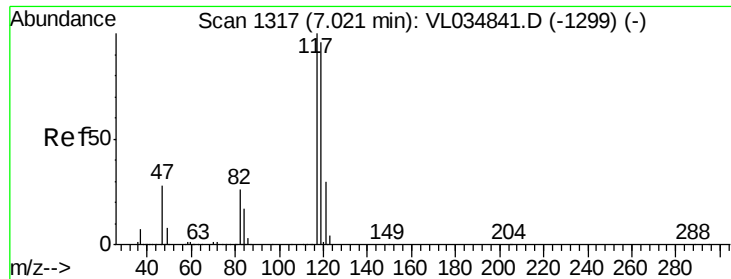
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#34
 2-Butanone
 Concen: 10.223 ppbv
 RT: 5.23 min Scan# 759
 Delta R.T. 0.00 min
 Lab File: VL034916.D
 Acq: 17 Mar 2020 14:47

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.5	17.6	26.4





#35

Carbon Tetrachloride

Concen: 10.924 ppbv

RT: 7.02 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VL034916.D

Acq: 17 Mar 2020 14:47

Instrument :

MSVOA_L

ClientSampleId :

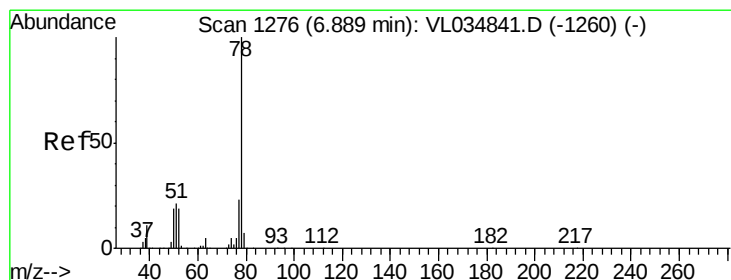
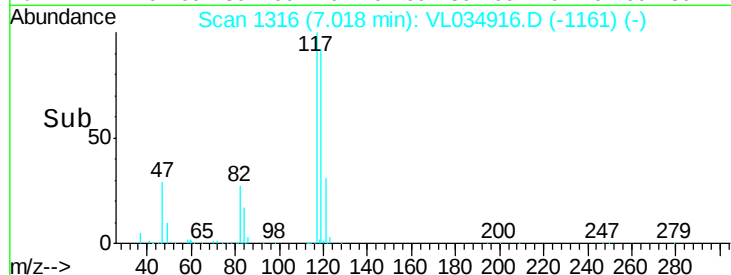
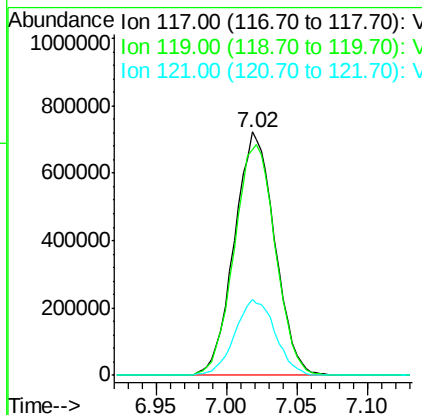
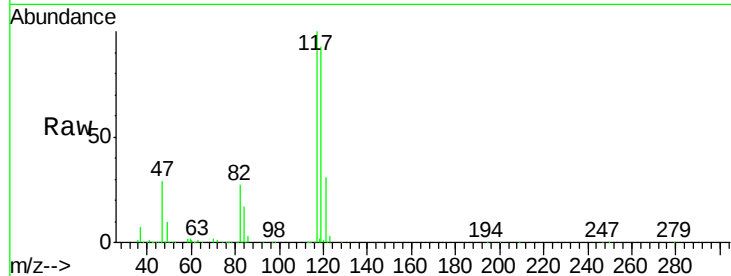
VL0317ABS01

Tot Ion:117 Resp: 1438130

Ion	Ratio	Lower	Upper
117	100		
119	92.6	77.0	115.4
121	31.2	24.0	36.0

Manual Integrations
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#36

Benzene

Concen: 10.180 ppbv

RT: 6.89 min Scan# 1277

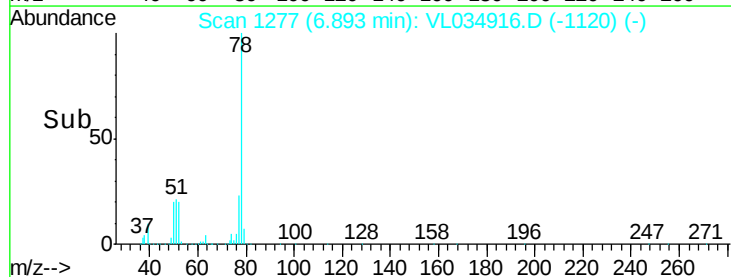
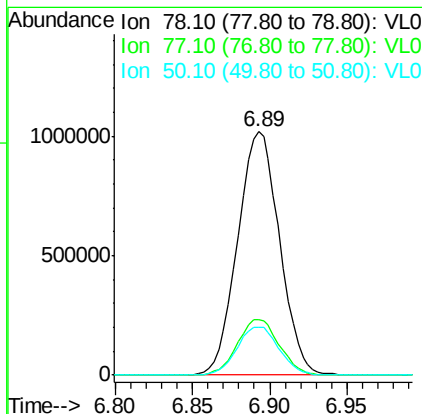
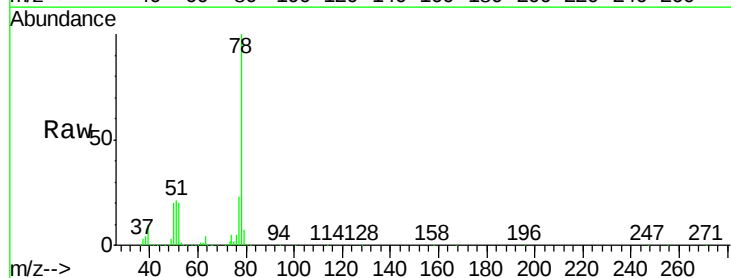
Delta R.T. 0.00 min

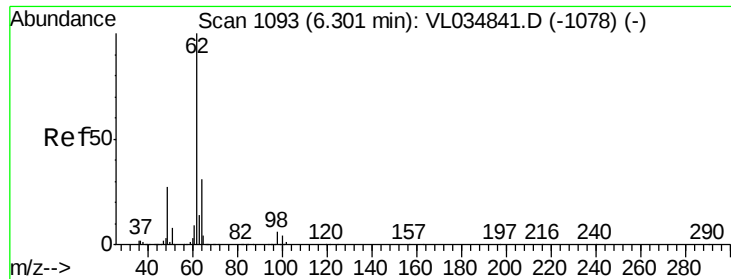
Lab File: VL034916.D

Acq: 17 Mar 2020 14:47

Tgt Ion: 78 Resp: 1920688

Ion	Ratio	Lower	Upper
78	100		
77	22.5	18.2	27.2
50	19.6	15.2	22.8





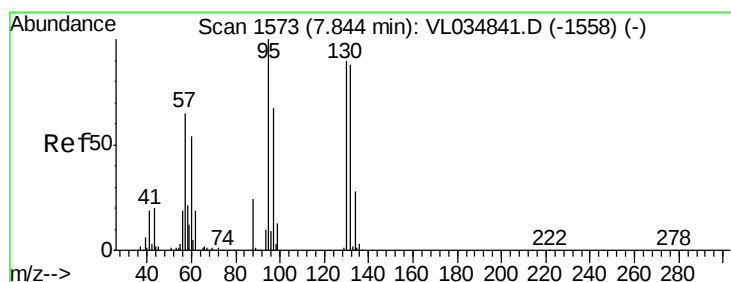
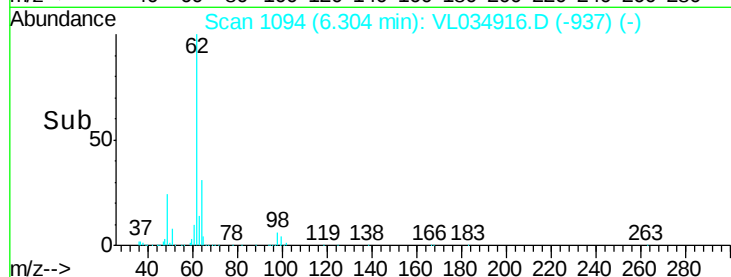
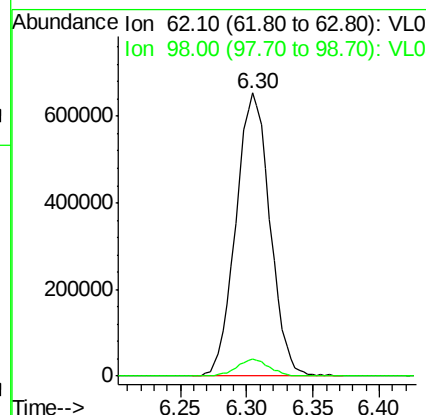
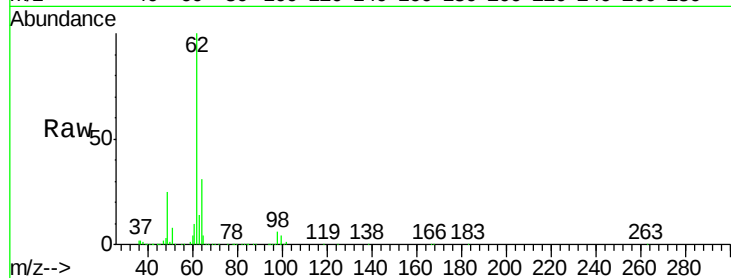
#37
 1,2-Dichloroethane
 Concen: 10.984 ppbv
 RT: 6.30 min Scan# 1094
 Delta R.T. 0.00 min
 Lab File: VL034916.D
 Acq: 17 Mar 2020 14:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0317ABS01

Tot Ion	Ratio	Lower	Upper
62	100		
98	5.8	5.2	7.8

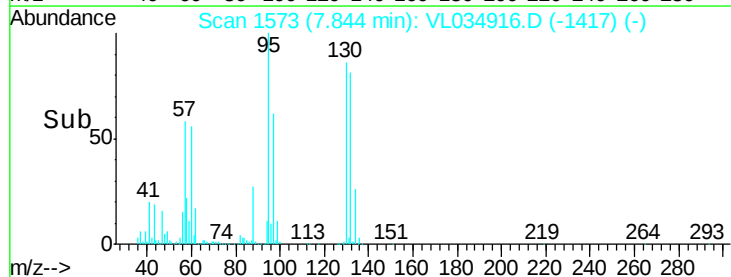
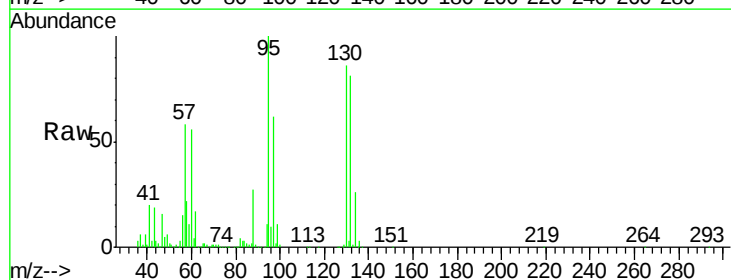
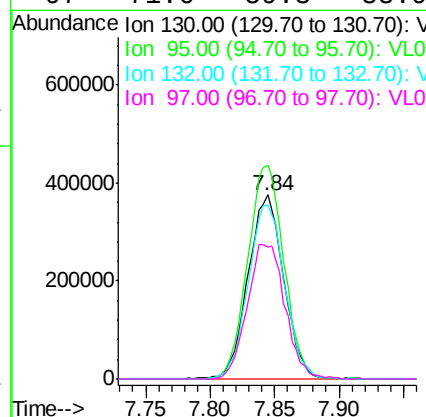
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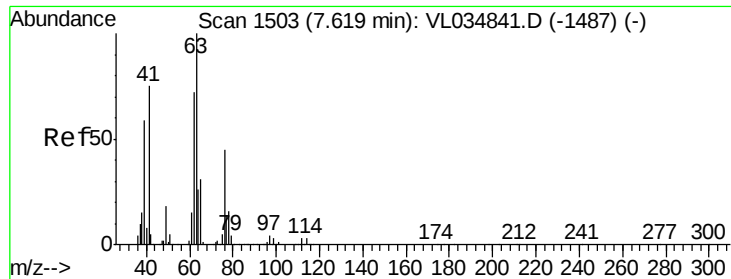
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#38
 Trichloroethene
 Concen: 10.049 ppbv
 RT: 7.84 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VL034916.D
 Acq: 17 Mar 2020 14:47

Tgt Ion	Ratio	Lower	Upper
130	100		
95	116.0	88.5	132.7
132	94.5	78.0	117.0
97	71.6	59.3	88.9





#39

1,2-Dichloropropane

Concen: 10.126 ppbv

RT: 7.62 min Scan# 1504

Delta R.T. 0.00 min

Lab File: VL034916.D

Acq: 17 Mar 2020 14:47

Instrument :

MSVOA_L

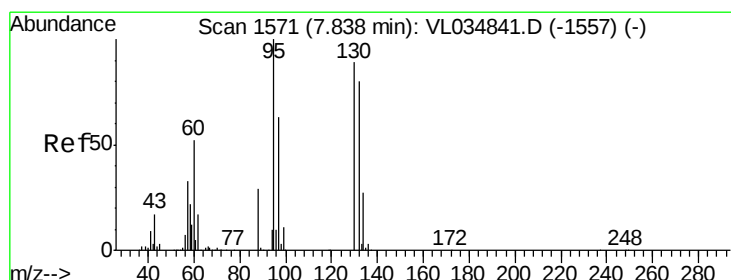
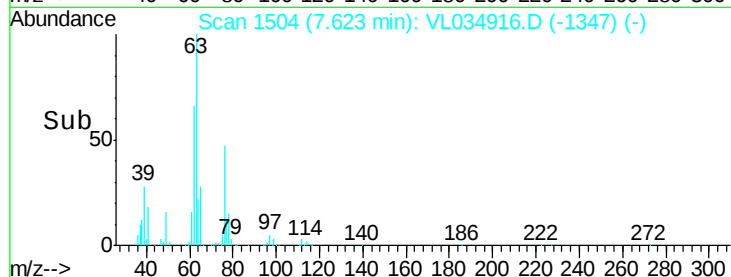
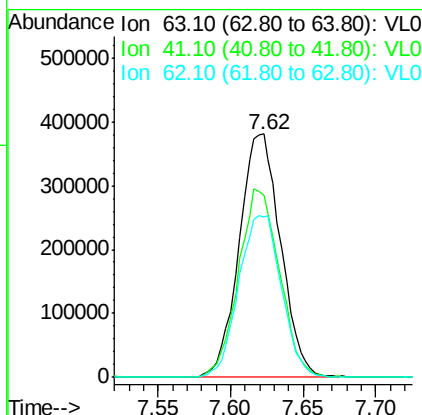
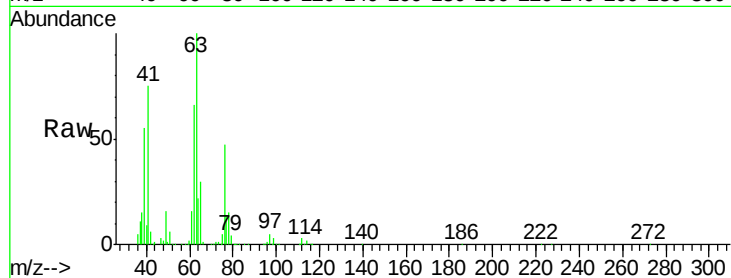
ClientSampleId :

VL0317ABS01

Tot Ion:	63	Resp:	756911
Ion Ratio	Lower	Upper	
63	100		
41	74.7	59.8	89.8
62	65.8	57.6	86.4

Manual Integrations
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#40

1,4-Dioxane

Concen: 10.575 ppbv m

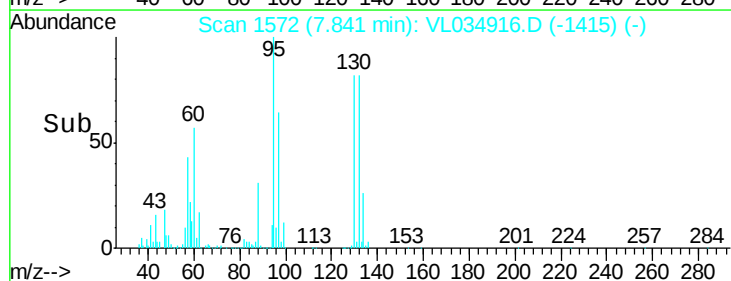
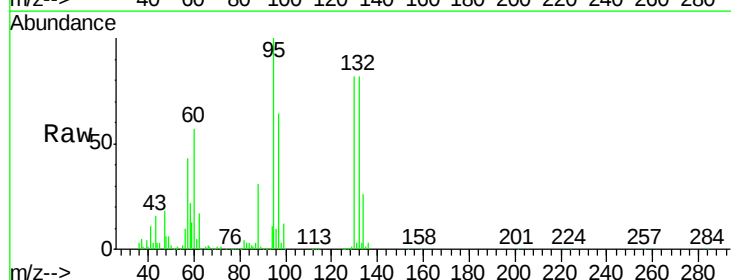
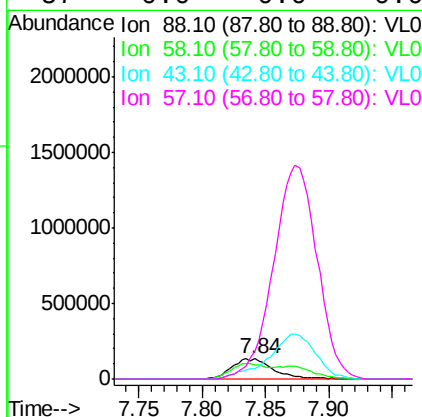
RT: 7.84 min Scan# 1572

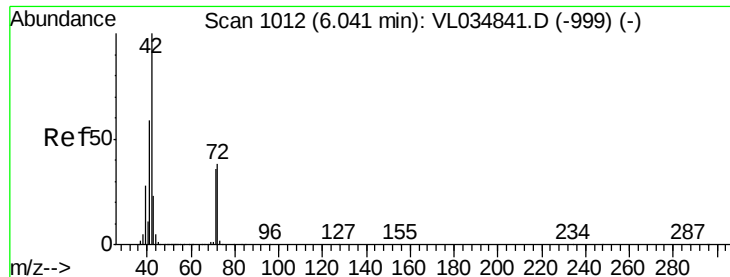
Delta R.T. 0.00 min

Lab File: VL034916.D

Acq: 17 Mar 2020 14:47

Tgt Ion:	88	Resp:	298525
Ion Ratio	Lower	Upper	
88	100		
58	125.8	103.9	155.9
43	0.0	0.0	0.0
57	0.0	0.0	0.0





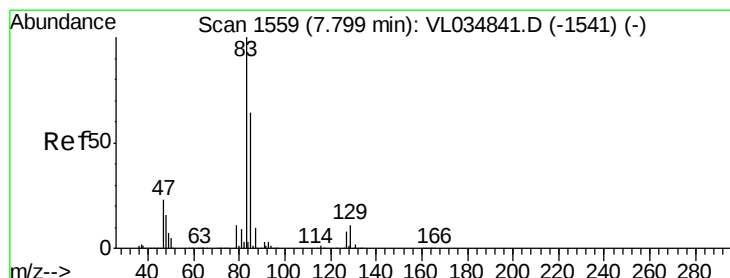
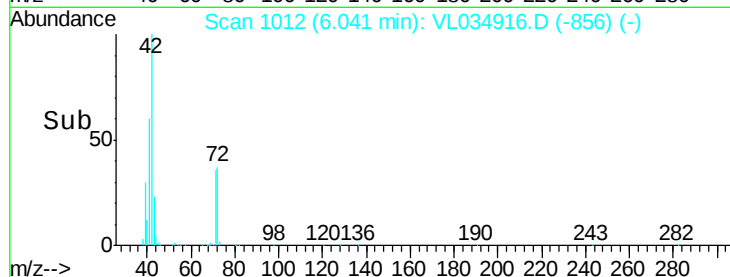
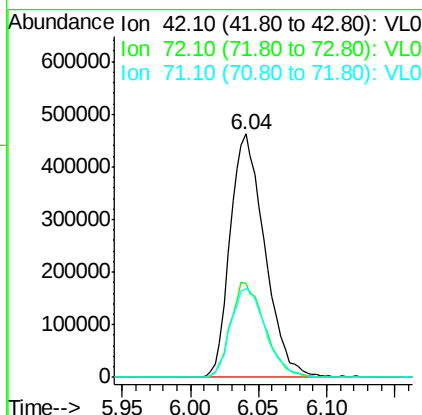
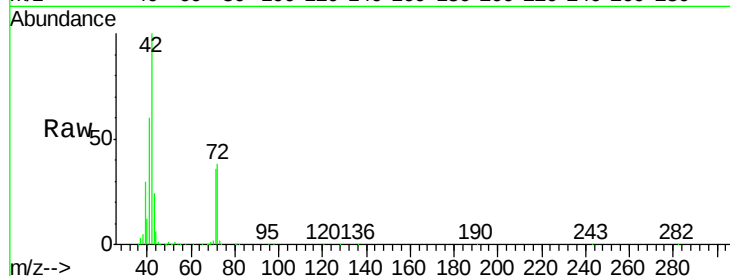
#41
Tetrahydrofuran
Concen: 10.726 ppbv
RT: 6.04 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VL034916.D
Acq: 17 Mar 2020 14:47

Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.5	30.8	46.2
71	37.0	30.1	45.1

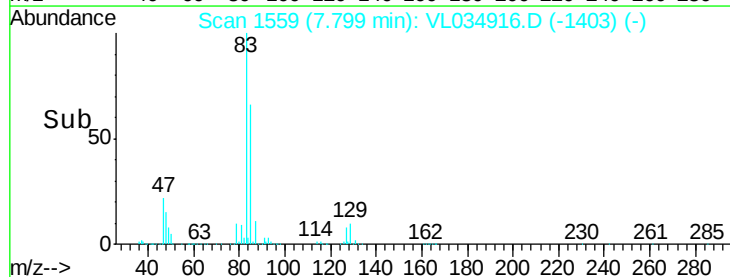
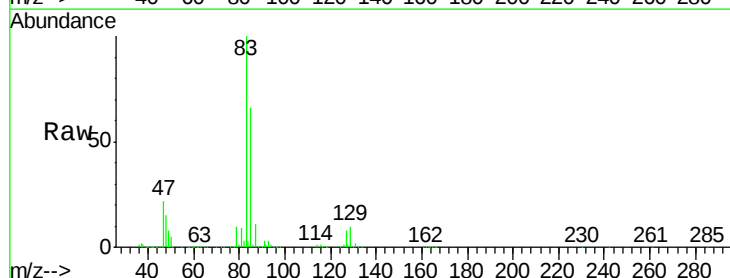
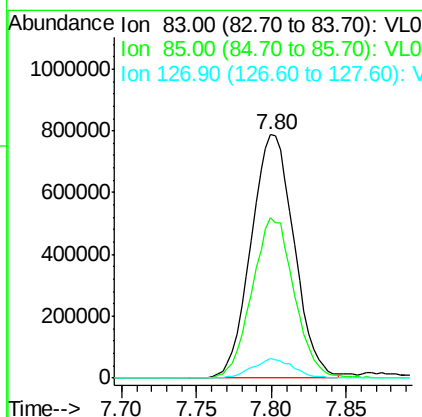
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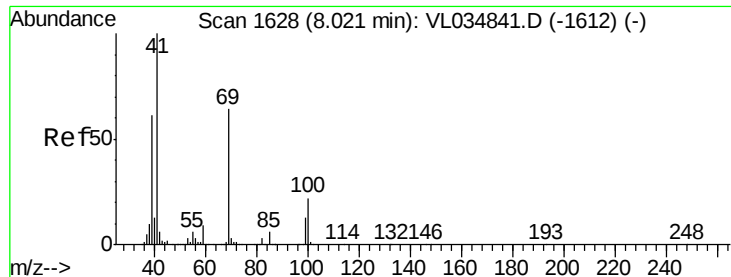
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#42
Bromodichloromethane
Concen: 10.862 ppbv
RT: 7.80 min Scan# 1559
Delta R.T. 0.00 min
Lab File: VL034916.D
Acq: 17 Mar 2020 14:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.4	77.2
127	8.0	6.2	9.4





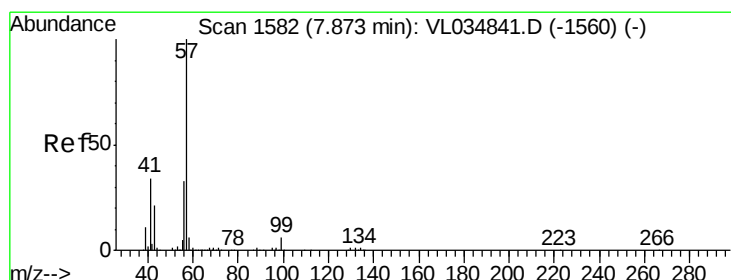
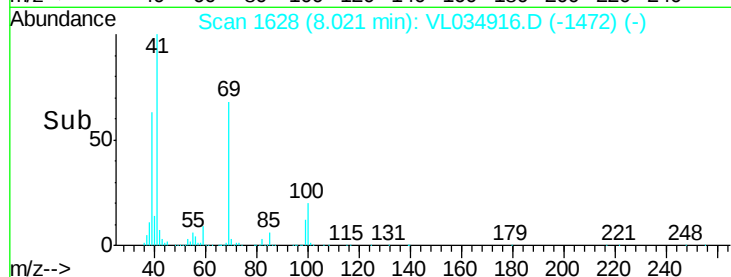
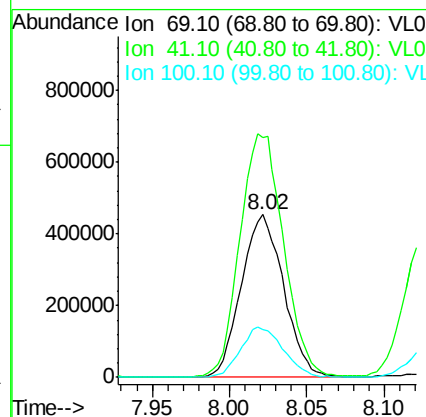
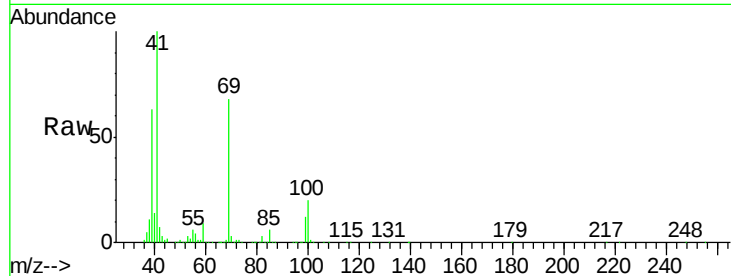
#43
Methvl Methacrylate
Concen: 10.870 ppbv
RT: 8.02 min Scan# 1628
Delta R.T. 0.00 min
Lab File: VL034916.D
Acq: 17 Mar 2020 14:47

Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Tot Ion	Ratio	Lower	Upper
69	100		
41	154.1	123.2	184.8
100	31.2	26.9	40.3

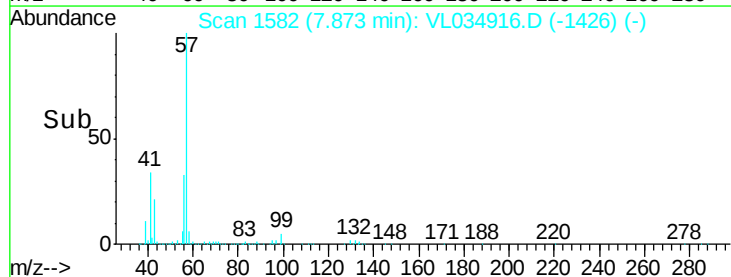
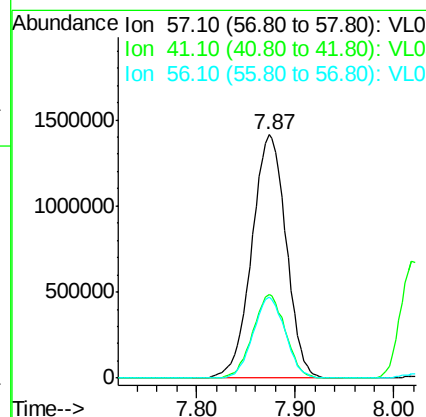
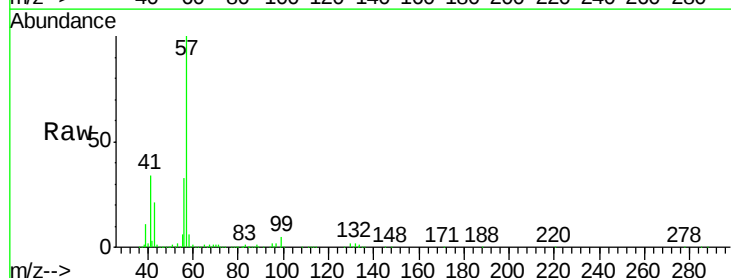
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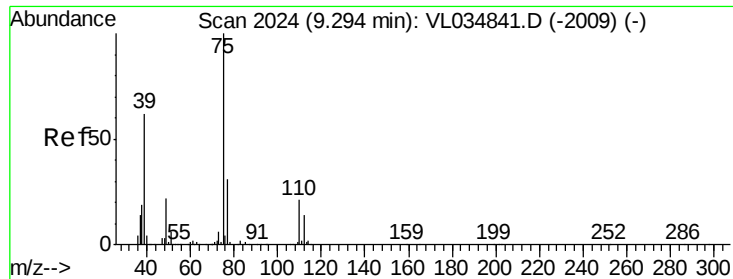
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#44
2,2,4-Trimethylpentane
Concen: 10.612 ppbv
RT: 7.87 min Scan# 1582
Delta R.T. 0.00 min
Lab File: VL034916.D
Acq: 17 Mar 2020 14:47

Tgt Ion	Ratio	Lower	Upper
57	100		
41	32.9	26.2	39.4
56	31.1	25.0	37.4





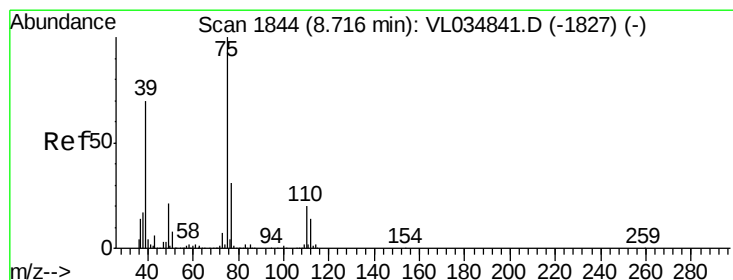
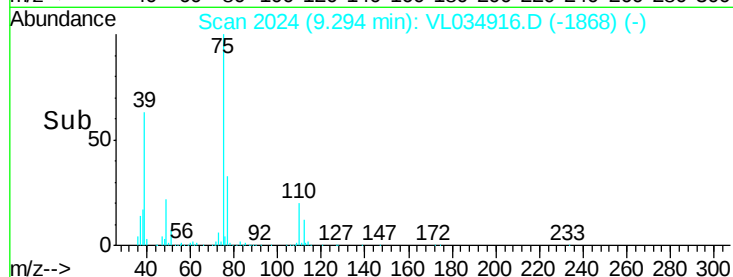
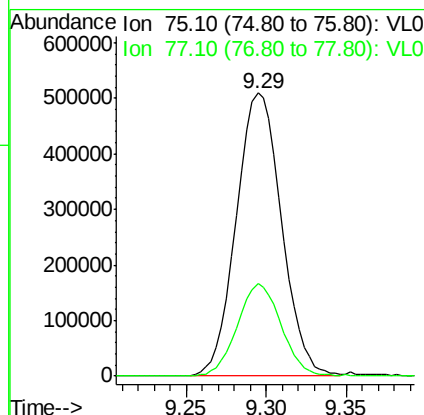
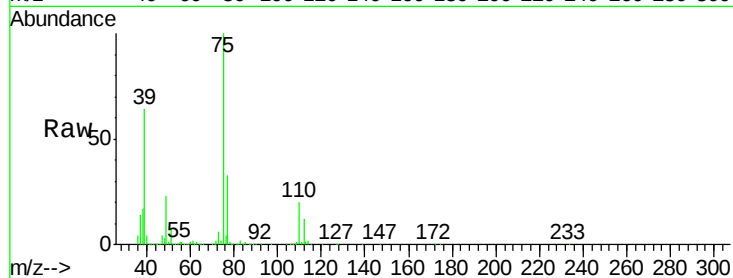
#45
t-1,3-Dichloropropene
Concen: 10.540 ppbv
RT: 9.29 min Scan# 2024
Delta R.T. 0.00 min
Lab File: VL034916.D
Acq: 17 Mar 2020 14:47

Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Tot Ion: 75 Resp: 984279
Ion Ratio Lower Upper
75 100
77 32.7 24.6 37.0

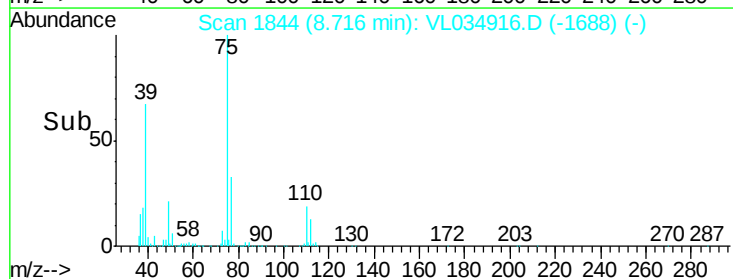
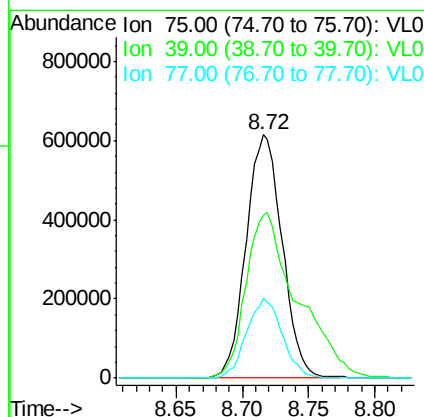
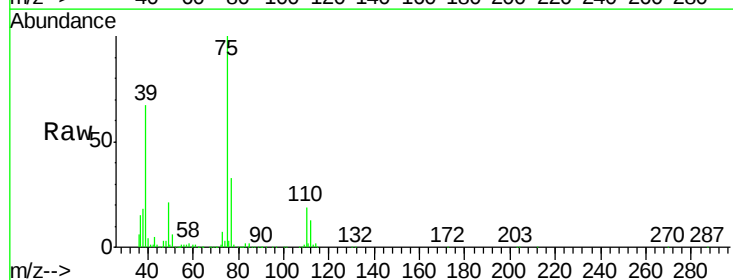
Manual Integrations
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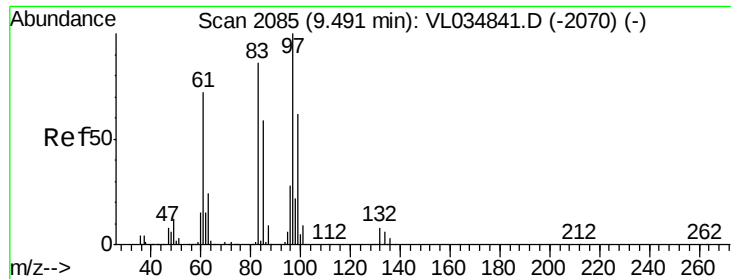
MMDadoda
3/18/2020 5:35:42 PM



#46
cis-1,3-Dichloropropene
Concen: 10.498 ppbv
RT: 8.72 min Scan# 1844
Delta R.T. 0.00 min
Lab File: VL034916.D
Acq: 17 Mar 2020 14:47

Tgt Ion: 75 Resp: 1164931
Ion Ratio Lower Upper
75 100
39 66.9 55.7 83.5
77 32.8 24.7 37.1





#47

1,1,2-Trichloroethane

Concen: 10.428 ppbv

RT: 9.49 min Scan# 2086

Delta R.T. 0.00 min

Lab File: VL034916.D

Acq: 17 Mar 2020 14:47

Instrument :

MSVOA_L

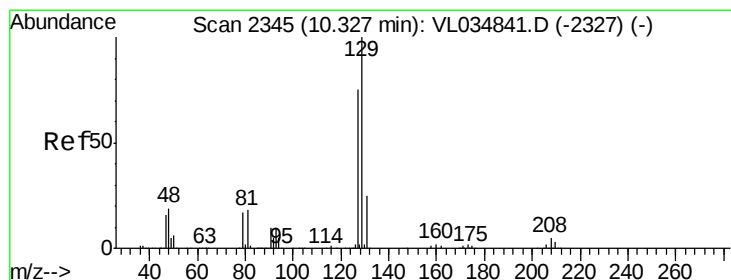
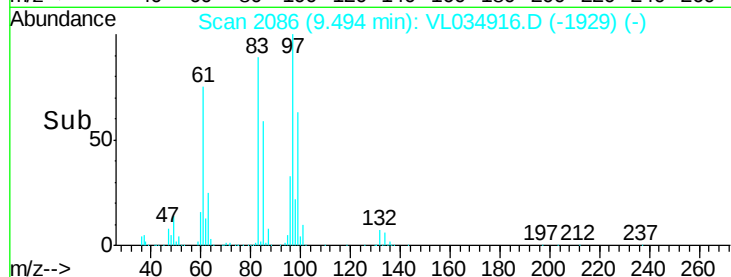
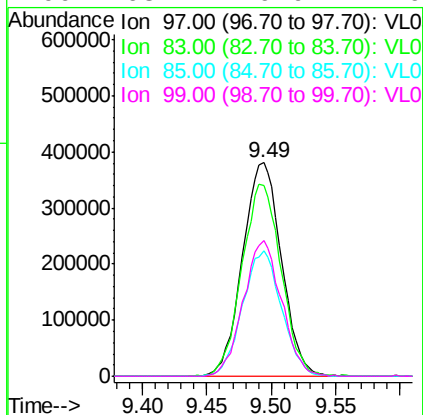
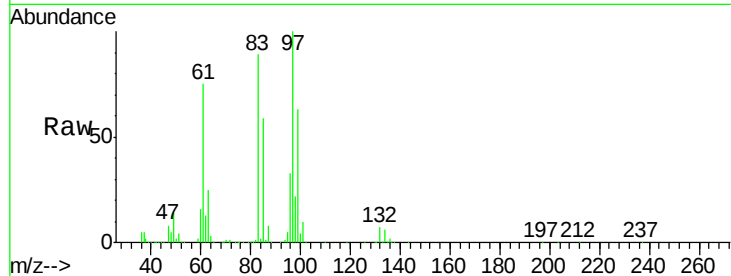
ClientSampleId :

VL0317ABS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		799974		
83	89.3	68.6	102.8		
85	58.8	46.9	70.3		
99	63.4	49.9	74.9		

Manual Integrations
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#48

Dibromochloromethane

Concen: 10.463 ppbv

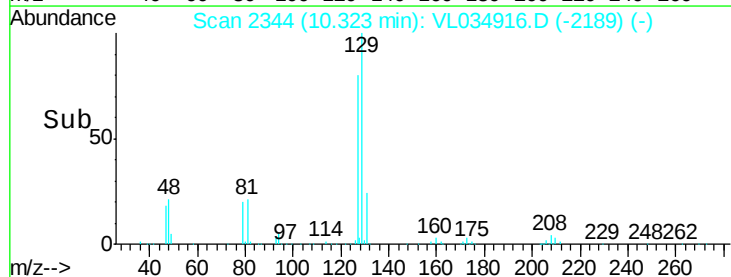
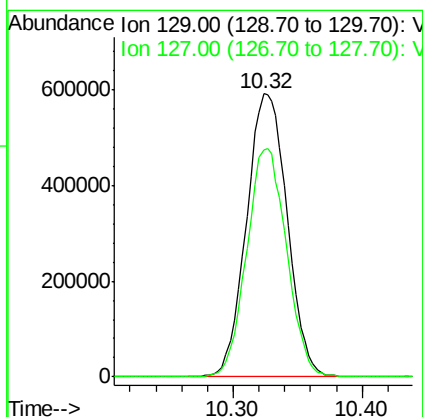
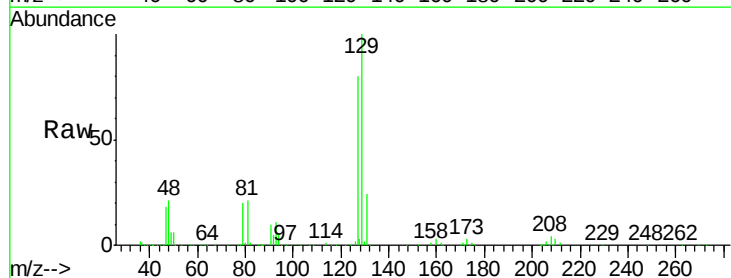
RT: 10.32 min Scan# 2344

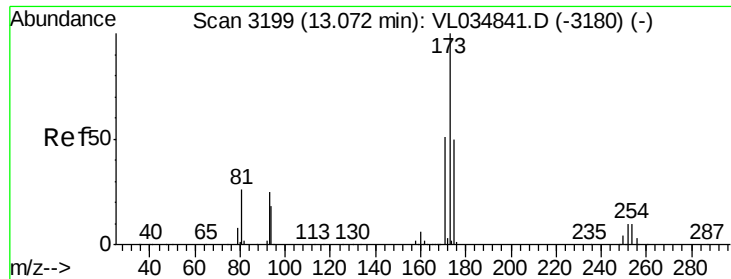
Delta R.T. -0.00 min

Lab File: VL034916.D

Acq: 17 Mar 2020 14:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
129	100		1299792		
127	79.1	39.6	118.7		





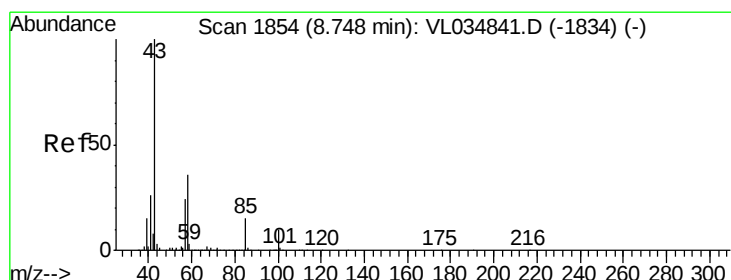
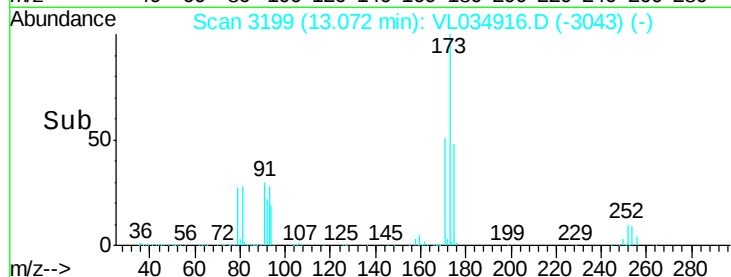
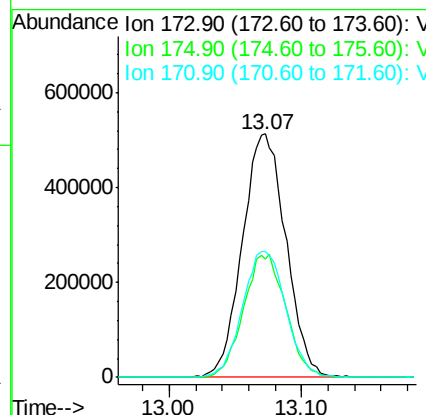
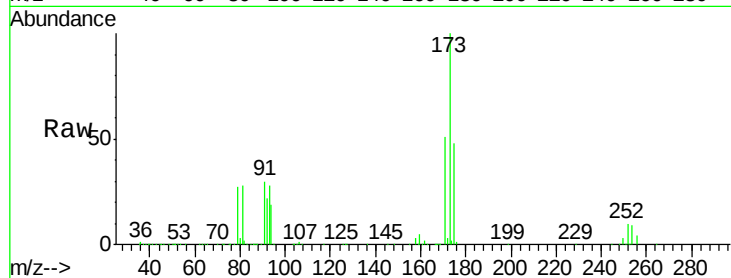
#49
Bromoform
Concen: 10.579 ppbv
RT: 13.07 min Scan# 3199
Delta R.T. 0.00 min
Lab File: VL034916.D
Acq: 17 Mar 2020 14:47

Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Tot Ion:173 Resp: 1171876
Ion Ratio Lower Upper
173 100
175 49.1 39.6 59.4
171 51.4 41.0 61.6

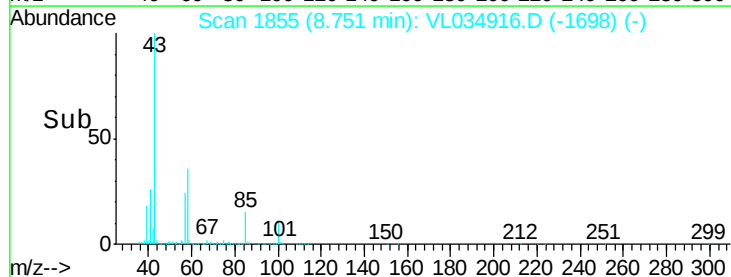
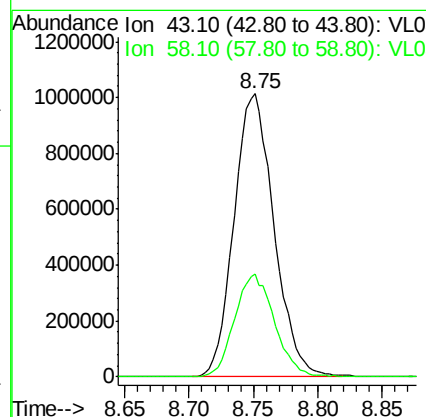
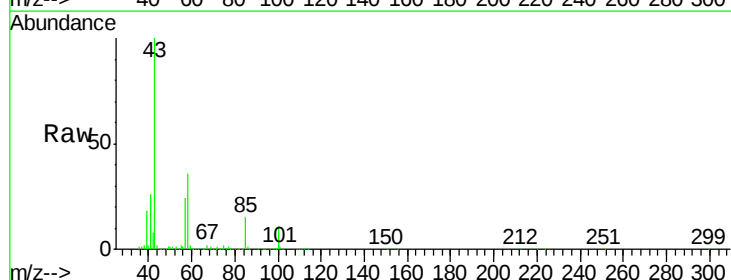
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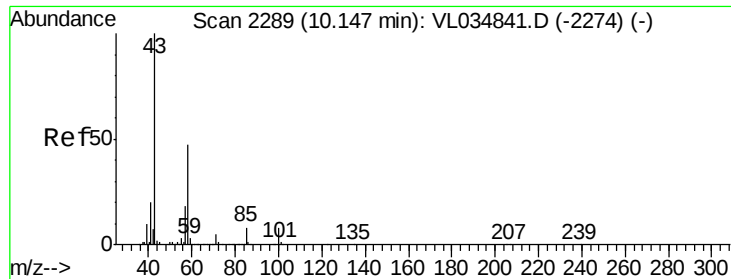
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#50
4-Methyl-2-Pentanone
Concen: 10.728 ppbv
RT: 8.75 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VL034916.D
Acq: 17 Mar 2020 14:47

Tgt Ion: 43 Resp: 2172346
Ion Ratio Lower Upper
43 100
58 36.4 28.6 42.8





#51

2-Hexanone

Concen: 10.926 ppbv

RT: 10.15 min Scan# 2289

Delta R.T. 0.00 min

Lab File: VL034916.D

Acq: 17 Mar 2020 14:47

Instrument :

MSVOA_L

ClientSampleId :

VL0317ABS01

Tot Ion: 43 Resp: 1797932

Ion Ratio Lower Upper

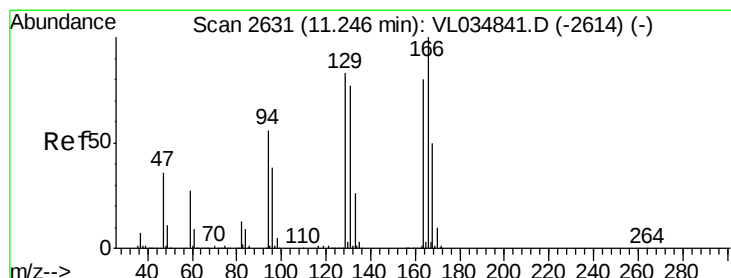
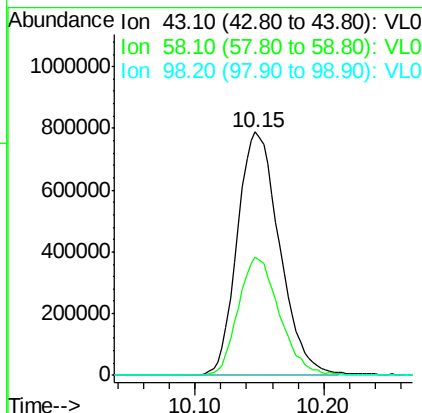
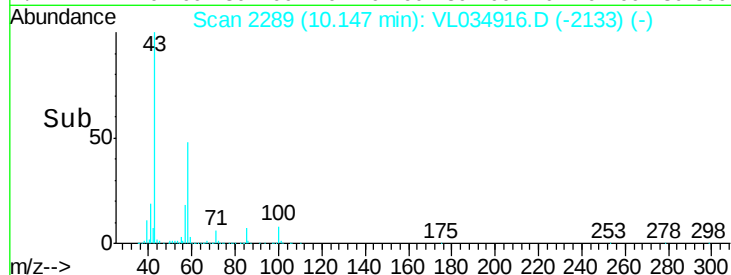
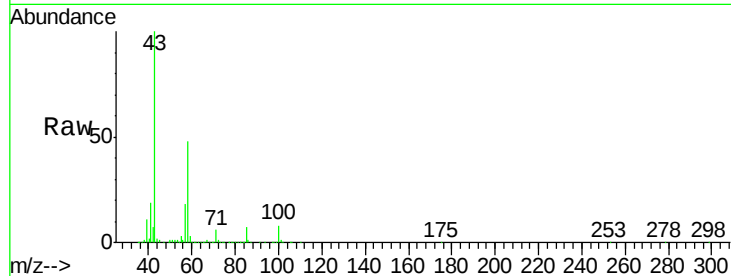
43 100

58 47.5 38.6 58.0

98 0.4 0.1 0.1#

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#52

Tetrachloroethene

Concen: 9.080 ppbv

RT: 11.24 min Scan# 2630

Delta R.T. -0.00 min

Lab File: VL034916.D

Acq: 17 Mar 2020 14:47

Tgt Ion:164 Resp: 677728

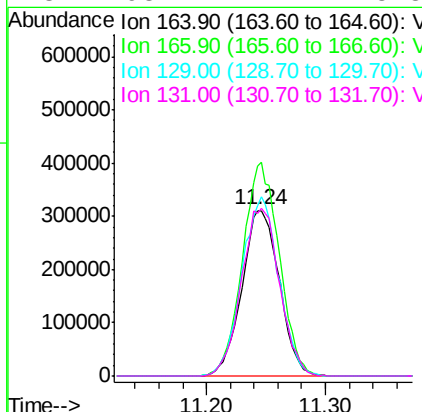
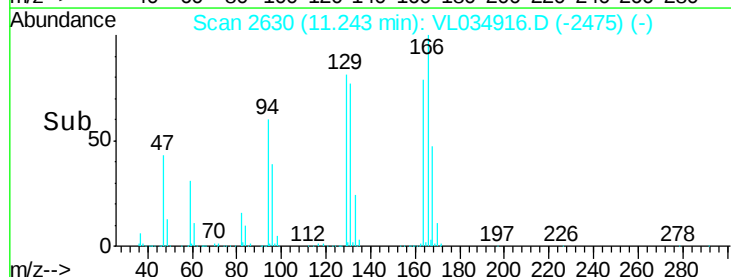
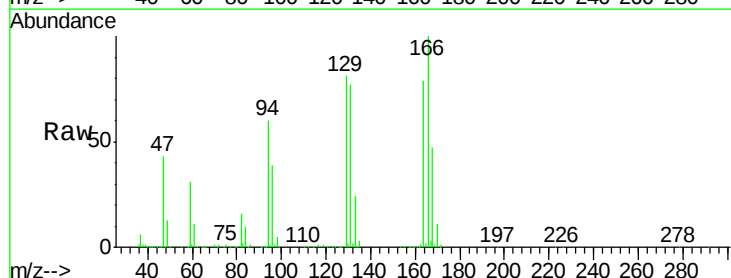
Ion Ratio Lower Upper

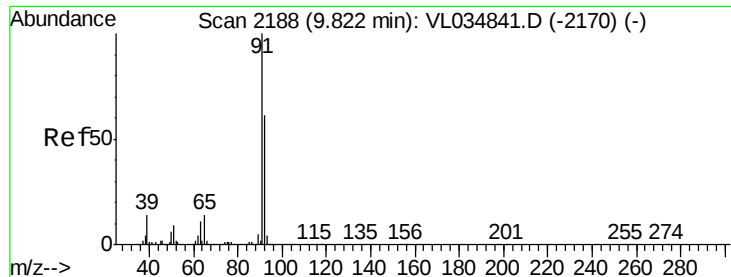
164 100

166 126.9 100.0 150.0

129 102.8 83.1 124.7

131 98.1 77.2 115.8





#53

Toluene

Concen: 10.361 ppbv

RT: 9.82 min Scan# 2188

Delta R.T. 0.00 min

Lab File: VL034916.D

Acq: 17 Mar 2020 14:47

Instrument :

MSVOA_L

ClientSampleId :

VL0317ABS01

Tot Ion: 91 Resp: 2257310

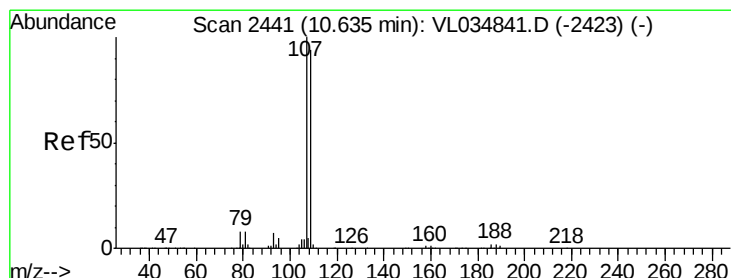
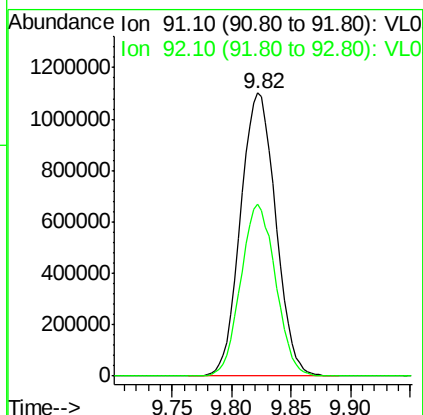
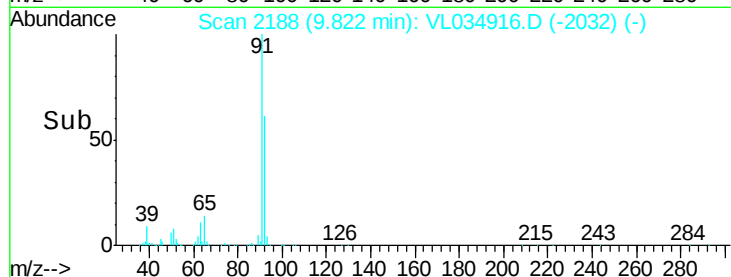
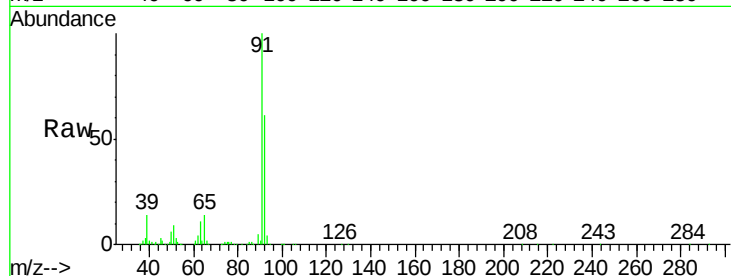
Ion Ratio Lower Upper

91 100

92 60.1 48.6 72.8

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#54

1,2-Dibromoethane

Concen: 10.447 ppbv

RT: 10.63 min Scan# 2440

Delta R.T. -0.00 min

Lab File: VL034916.D

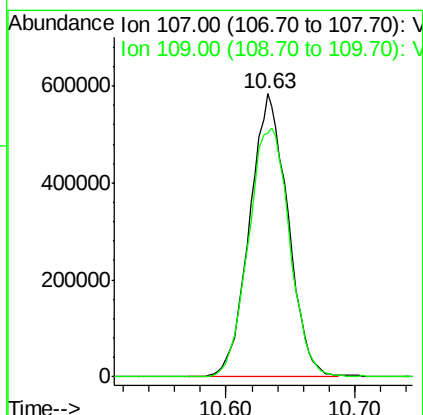
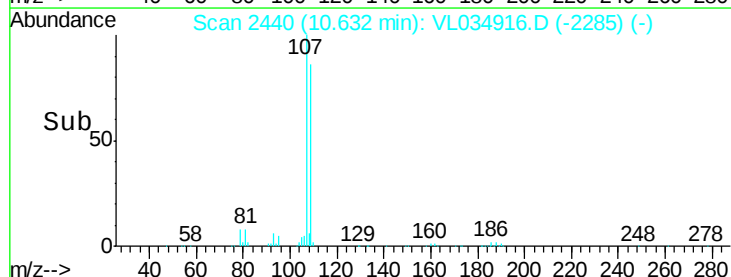
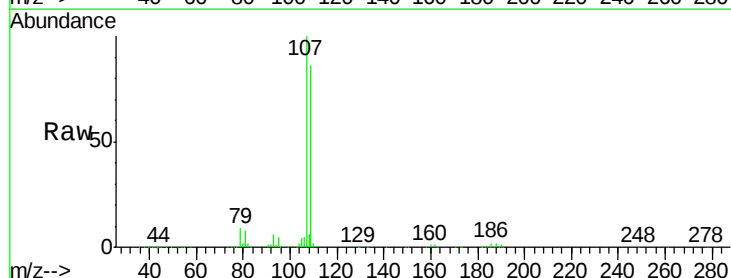
Acq: 17 Mar 2020 14:47

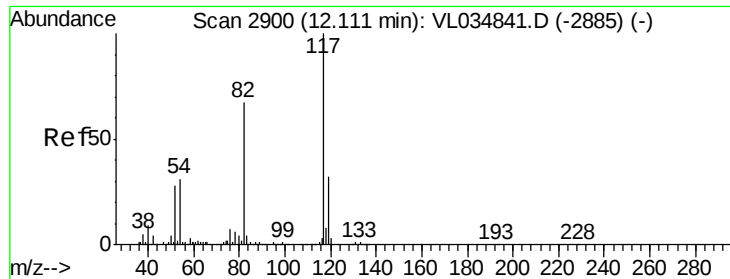
Tgt Ion: 107 Resp: 1206321

Ion Ratio Lower Upper

107 100

109 86.0 74.9 112.3





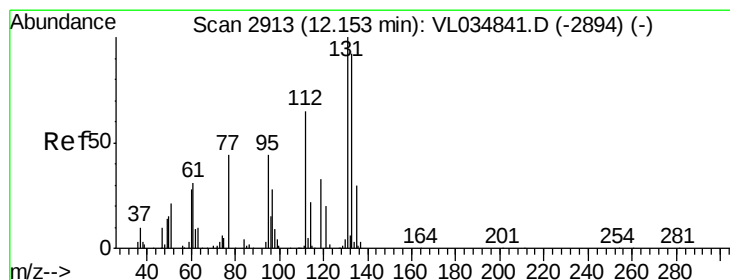
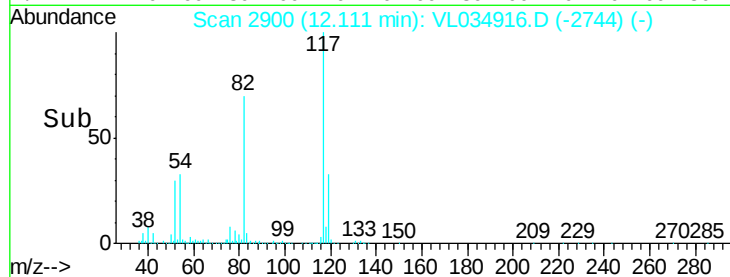
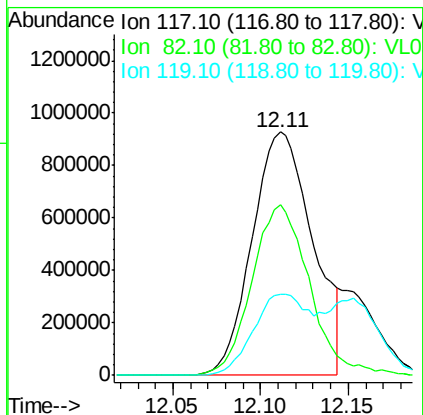
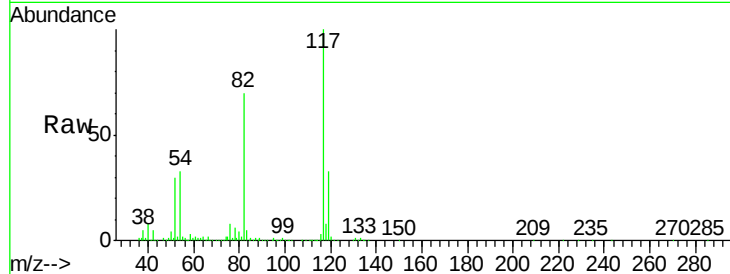
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.11 min Scan# 2900
Delta R.T. 0.00 min
Lab File: VL034916.D
Acq: 17 Mar 2020 14:47

Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Tot Ion:117 Resp: 2231045
Ion Ratio Lower Upper
117 100
82 66.9 51.1 76.7
119 30.1 27.3 40.9

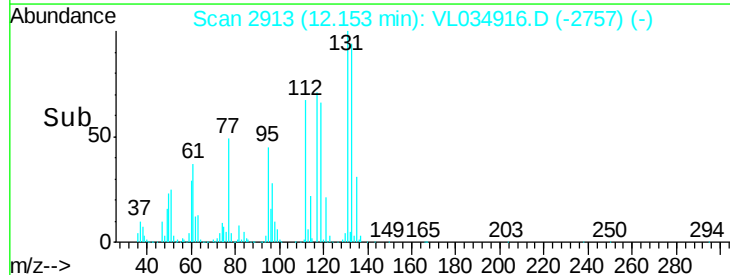
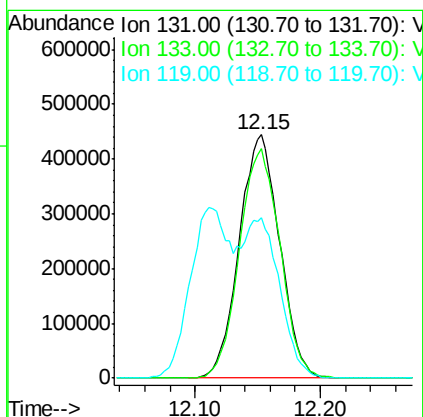
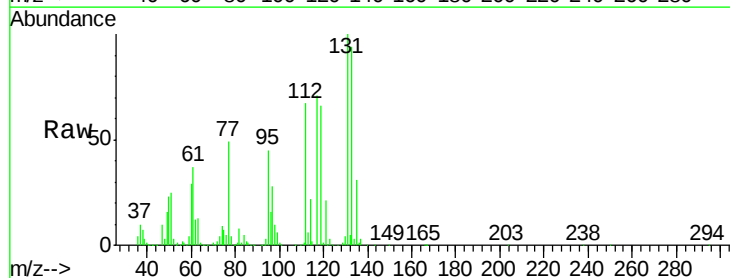
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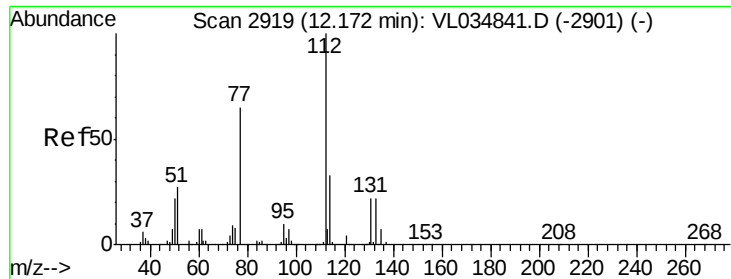
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.918 ppbv
RT: 12.15 min Scan# 2913
Delta R.T. 0.00 min
Lab File: VL034916.D
Acq: 17 Mar 2020 14:47

Tgt Ion:131 Resp: 993974
Ion Ratio Lower Upper
131 100
133 95.1 76.0 114.0
119 60.1 47.8 71.8





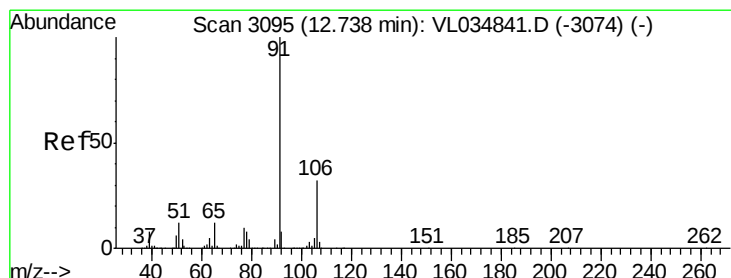
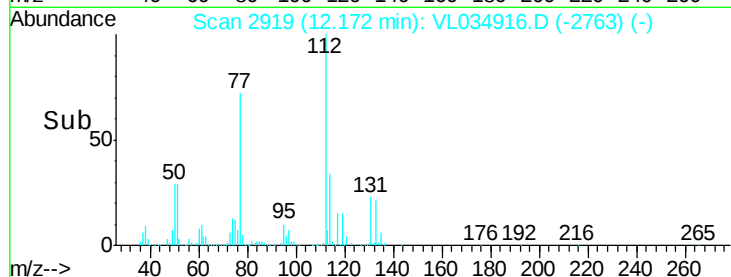
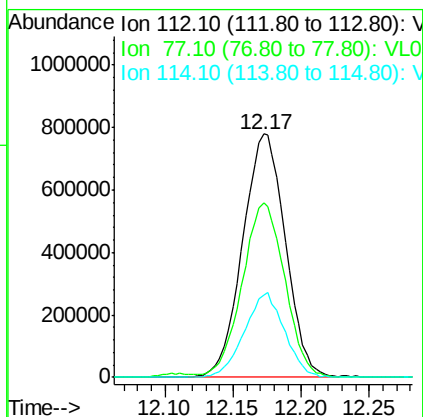
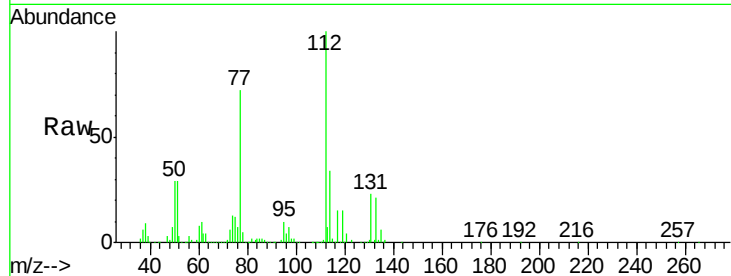
#57
Chlorobenzene
Concen: 9.666 ppbv
RT: 12.17 min Scan# 2919
Delta R.T. 0.00 min
Lab File: VL034916.D
Acq: 17 Mar 2020 14:47

Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Tot Ion: 112 Resp: 1687385
Ion Ratio Lower Upper
112 100
77 71.5 53.0 79.6
114 33.7 29.5 36.1

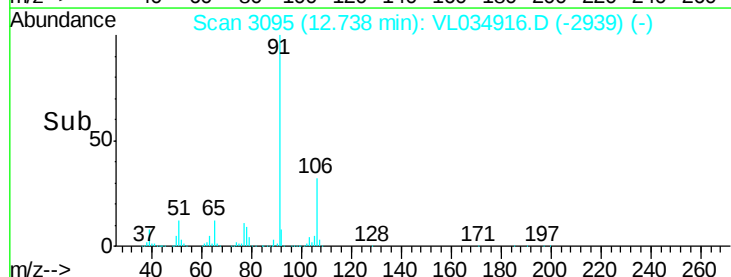
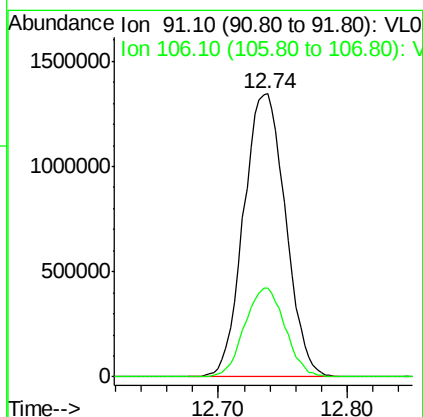
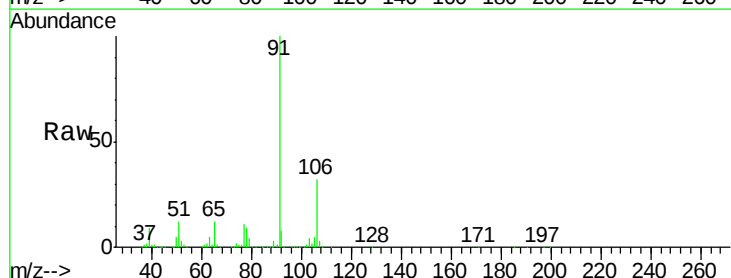
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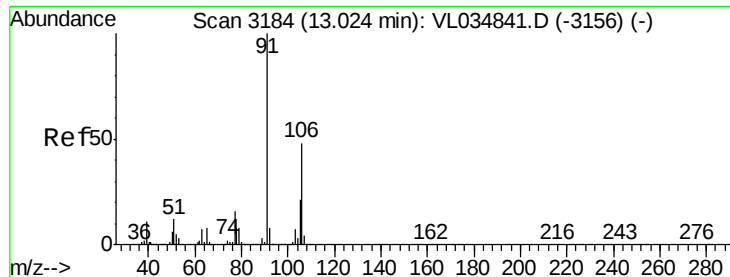
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#58
Ethyl Benzene
Concen: 10.062 ppbv
RT: 12.74 min Scan# 3095
Delta R.T. 0.00 min
Lab File: VL034916.D
Acq: 17 Mar 2020 14:47

Tgt Ion: 91 Resp: 3040165
Ion Ratio Lower Upper
91 100
106 31.5 25.8 38.6





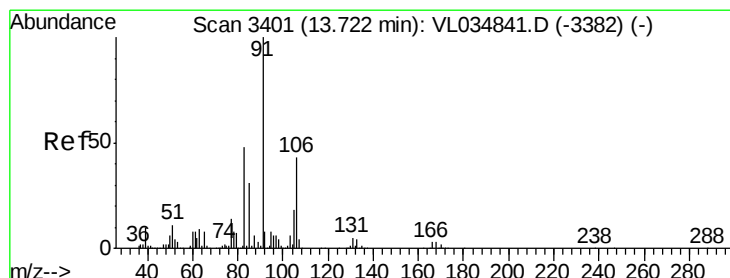
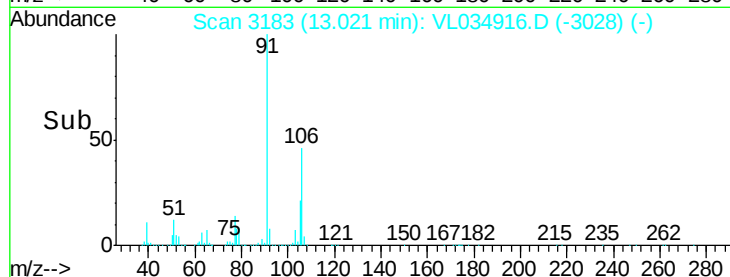
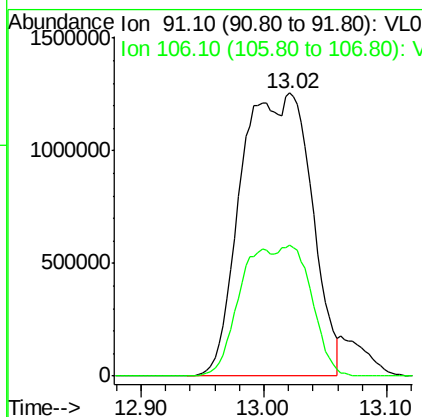
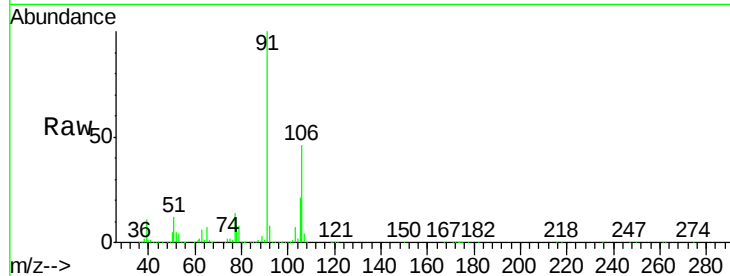
#59
m/p-Xylene
Concen: 19.777 ppbv m
RT: 13.02 min Scan# 3183
Delta R.T. -0.00 min
Lab File: VL034916.D
Acq: 17 Mar 2020 14:47

Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Tot Ion: 91 Resp: 5006052
Ion Ratio Lower Upper
91 100
106 45.5 37.1 55.7

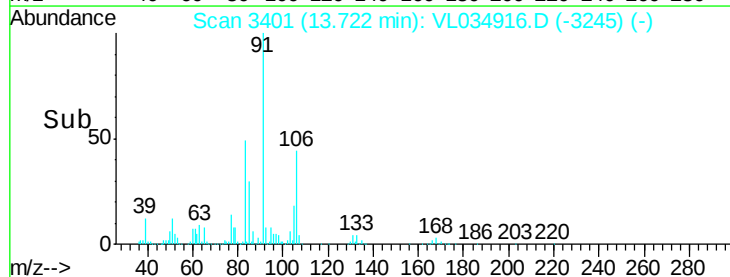
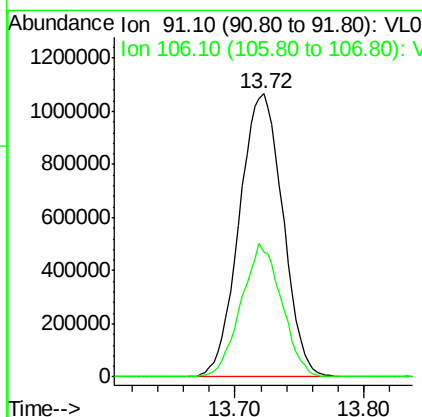
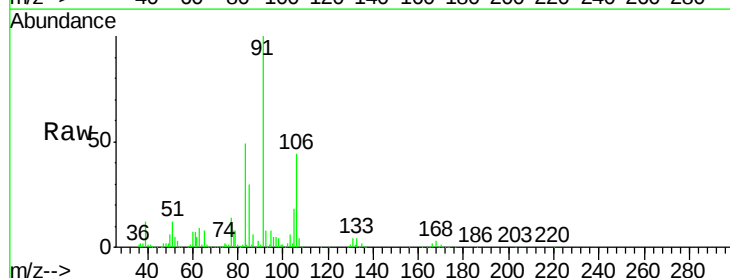
Manual Integrations
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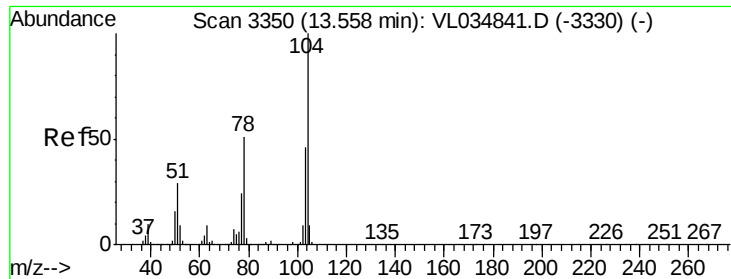
MMDadoda
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#60
o-Xylene
Concen: 10.100 ppbv
RT: 13.72 min Scan# 3401
Delta R.T. 0.00 min
Lab File: VL034916.D
Acq: 17 Mar 2020 14:47

Tgt Ion: 91 Resp: 2496188
Ion Ratio Lower Upper
91 100
106 44.1 22.5 67.5





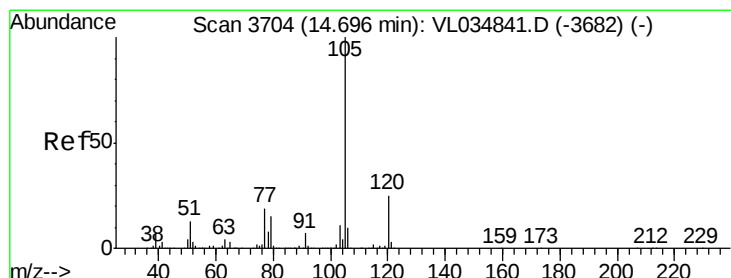
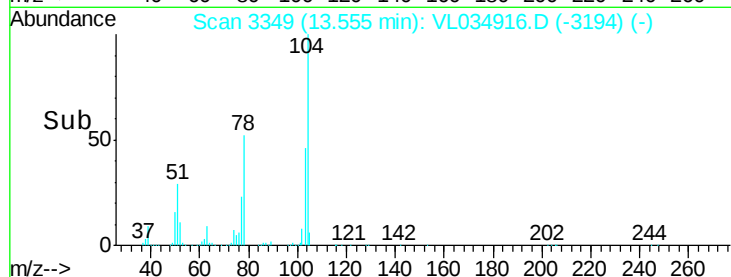
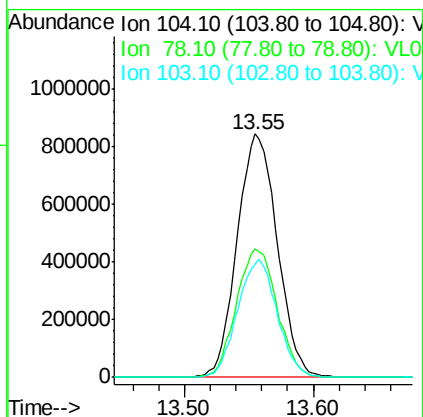
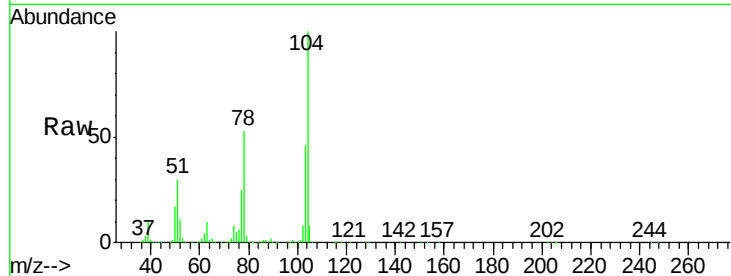
#61
Stvrene
Concen: 10.504 ppbv
RT: 13.55 min Scan# 3349
Delta R.T. -0.00 min
Lab File: VL034916.D
Acq: 17 Mar 2020 14:47

Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	53.9	41.8	62.6
103	47.8	37.8	56.6

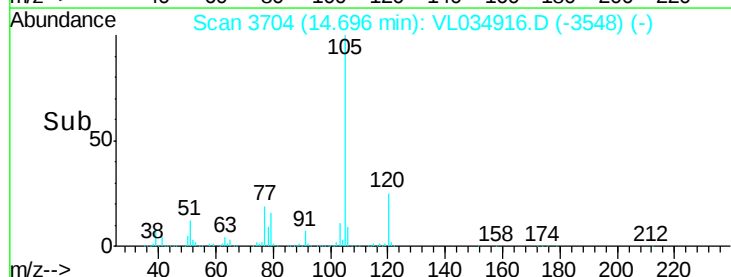
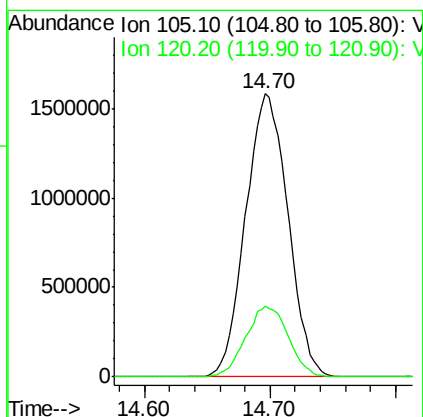
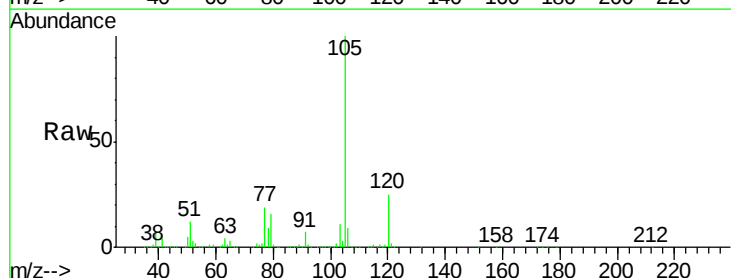
Manual Integrations
APPROVED

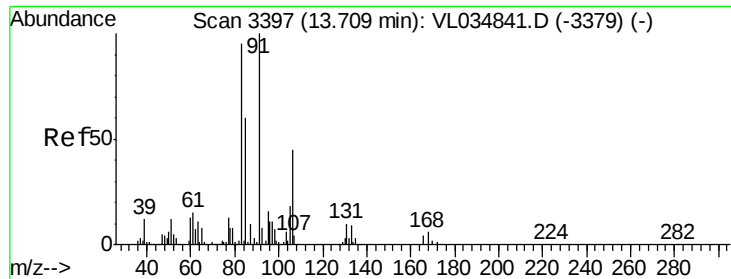
MMDadoda
3/18/2020 5:35:42 PM



#62
Isopropylbenzene
Concen: 9.934 ppbv
RT: 14.70 min Scan# 3704
Delta R.T. 0.00 min
Lab File: VL034916.D
Acq: 17 Mar 2020 14:47

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.1	21.0	31.4





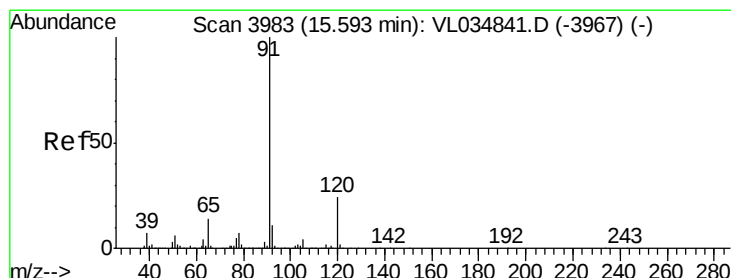
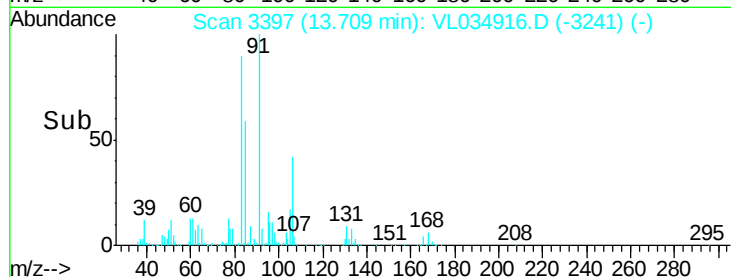
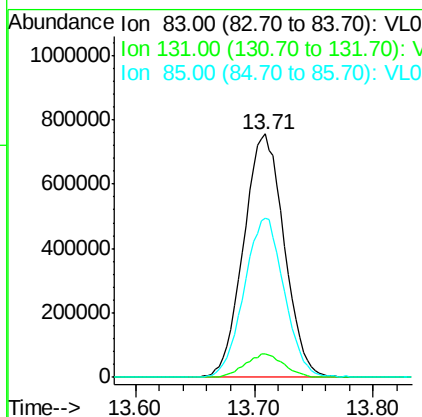
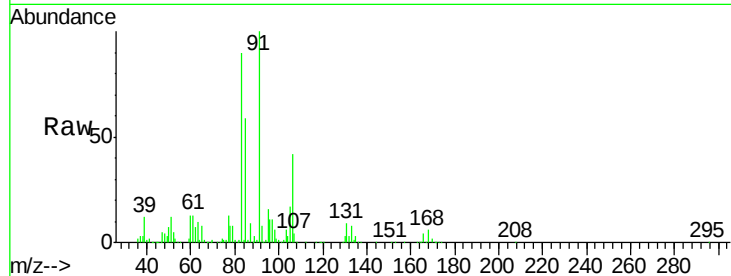
#63
1,1,2,2-Tetrachloroethane
Concen: 10.624 ppbv
RT: 13.71 min Scan# 3397
Delta R.T. 0.00 min
Lab File: VL034916.D
Acq: 17 Mar 2020 14:47

Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Tot Ion	83	Resp	1782583
Ion Ratio	100	Lower	Upper
83	100		
131	9.2	5.0	14.9
85	64.6	32.4	97.2

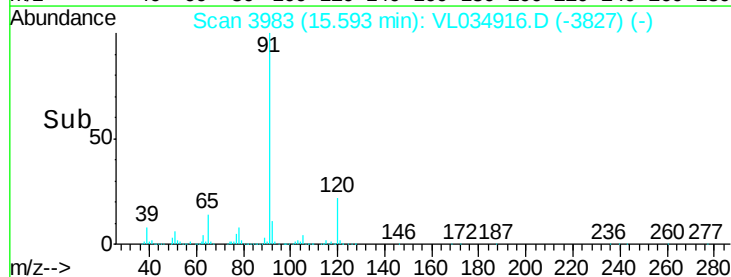
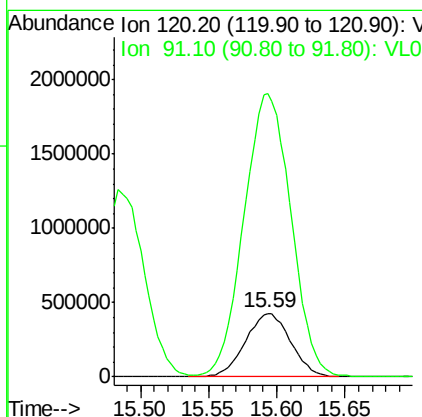
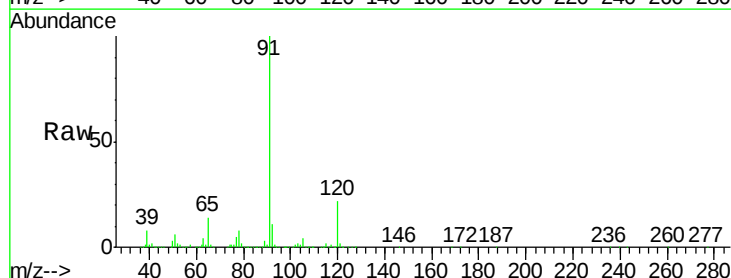
Manual Integrations
APPROVED

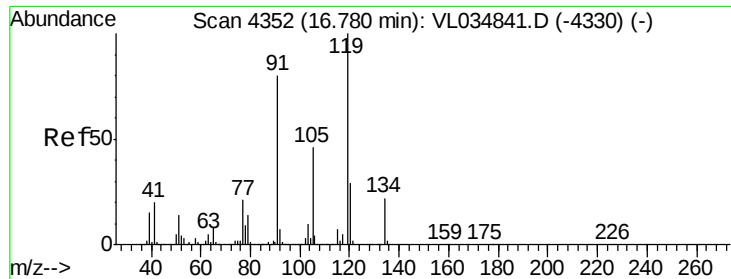
MMDadoda
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#64
n-propylbenzene
Concen: 10.105 ppbv
RT: 15.59 min Scan# 3983
Delta R.T. 0.00 min
Lab File: VL034916.D
Acq: 17 Mar 2020 14:47

Tgt Ion	120	Resp	982827
Ion Ratio	100	Lower	Upper
120	100		
91	466.2	360.9	541.3





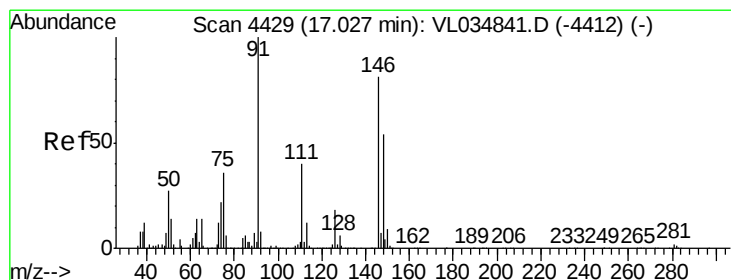
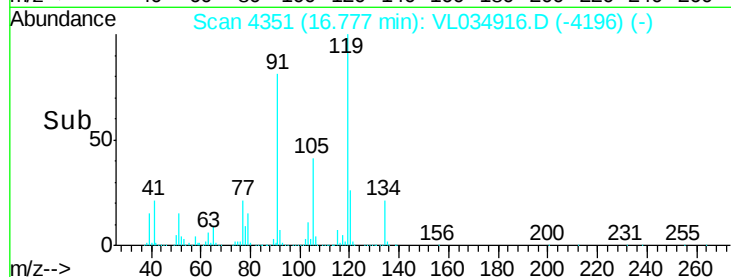
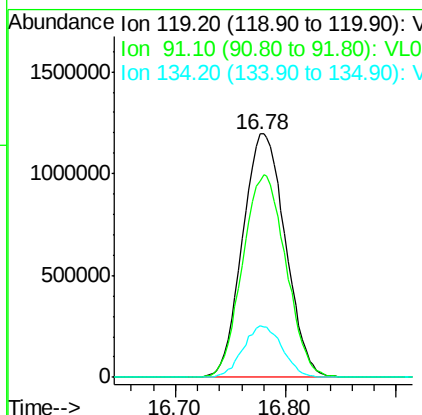
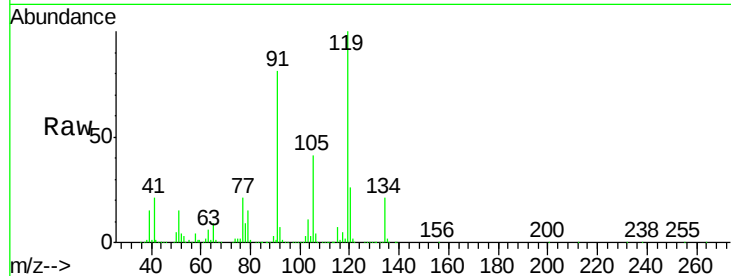
#65
 tert-Butylbenzene
 Concen: 9.838 ppbv
 RT: 16.78 min Scan# 4351
 Delta R.T. -0.00 min
 Lab File: VL034916.D
 Acq: 17 Mar 2020 14:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0317ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	84.3	64.9	97.3
134	19.4	15.9	23.9

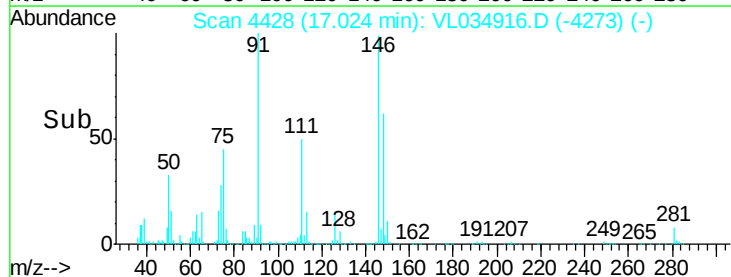
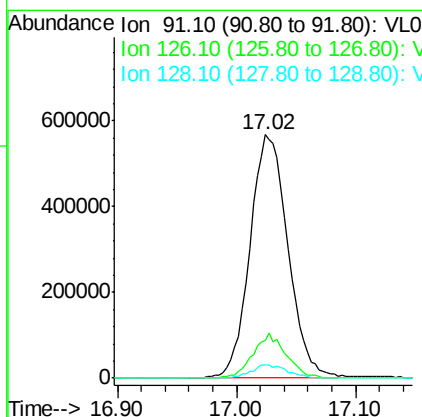
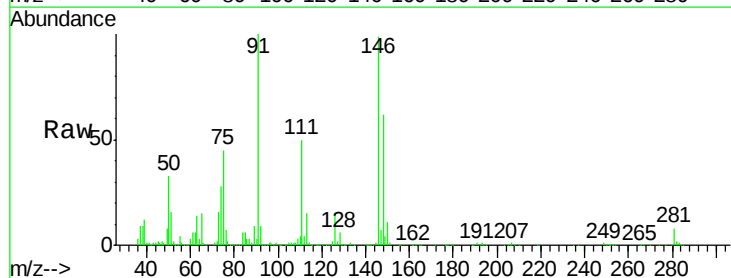
Manual Integrations
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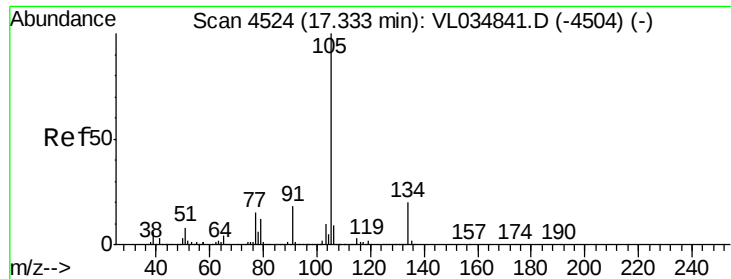
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#66
 Benzyl Chloride
 Concen: 9.173 ppbv
 RT: 17.02 min Scan# 4428
 Delta R.T. -0.00 min
 Lab File: VL034916.D
 Acq: 17 Mar 2020 14:47

Tgt Ion	Ratio	Lower	Upper
91	100		
126	16.2	14.7	22.1
128	5.3	4.7	7.1





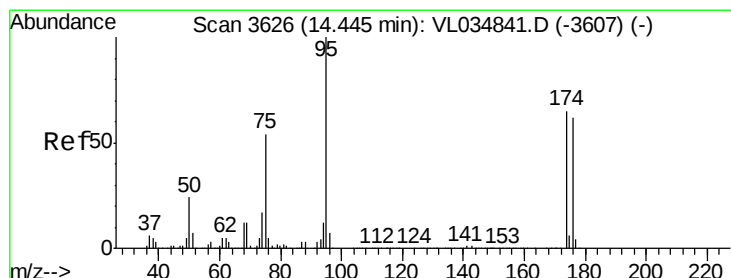
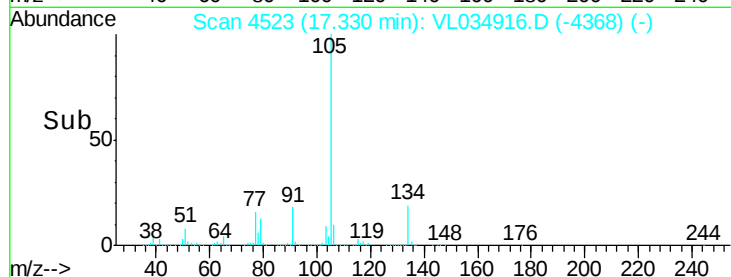
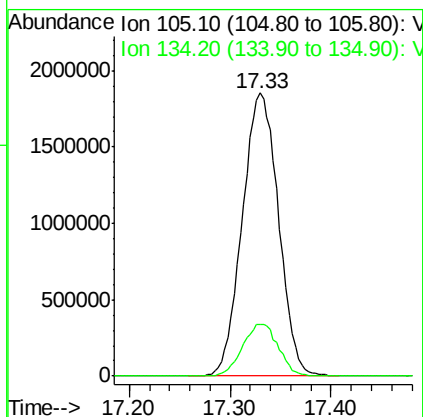
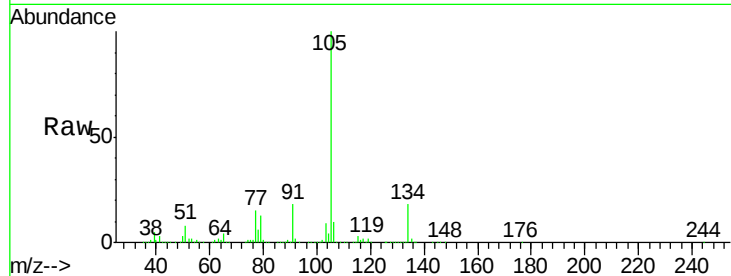
#67
 sec-Butylbenzene
 Concen: 10.174 ppbv
 RT: 17.33 min Scan# 4523
 Delta R.T. -0.00 min
 Lab File: VL034916.D
 Acq: 17 Mar 2020 14:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0317ABS01

Tot Ion:105 Resp: 4608553
 Ion Ratio Lower Upper
 105 100
 134 18.1 15.0 22.6

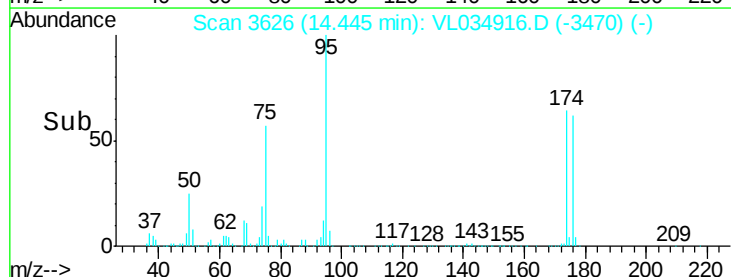
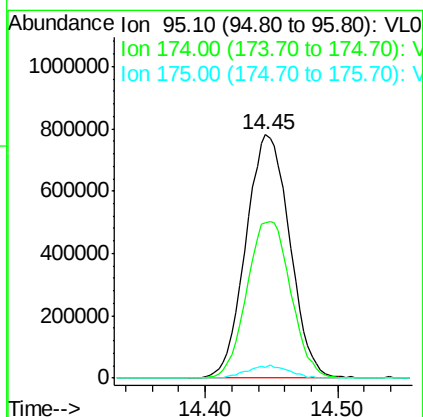
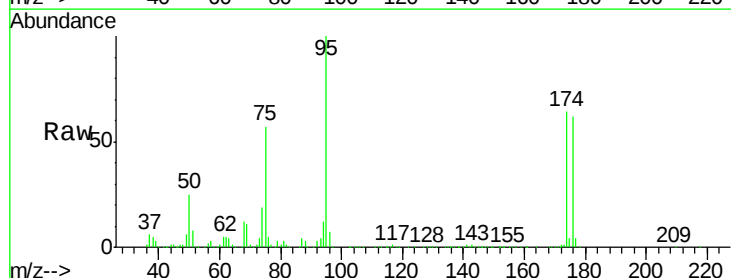
Manual Integrations
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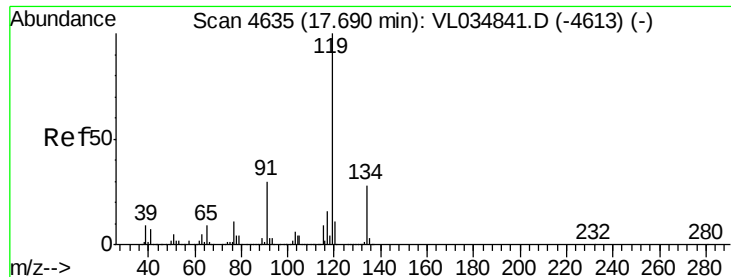
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.289 ppbv
 RT: 14.45 min Scan# 3626
 Delta R.T. 0.00 min
 Lab File: VL034916.D
 Acq: 17 Mar 2020 14:47

Tgt Ion: 95 Resp: 1790178
 Ion Ratio Lower Upper
 95 100
 174 64.9 55.2 82.8
 175 5.0 4.3 6.5





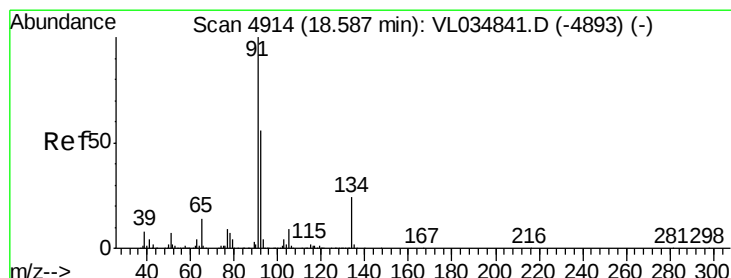
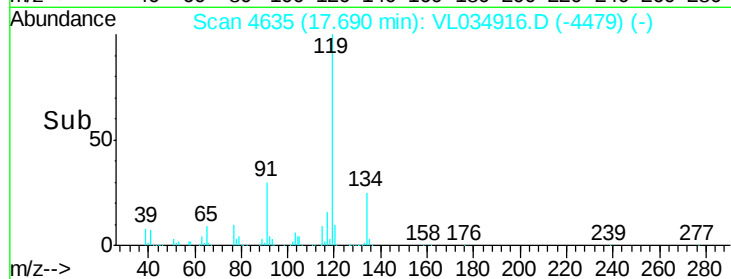
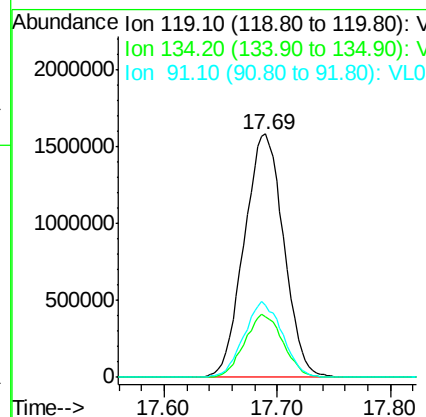
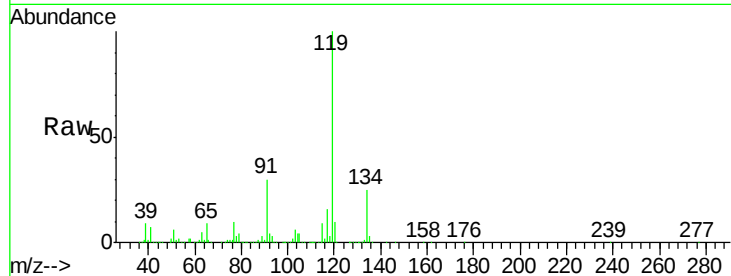
#69
p-Isopropyltoluene
Concen: 10.113 ppbv
RT: 17.69 min Scan# 4635
Delta R.T. 0.00 min
Lab File: VL034916.D
Acq: 17 Mar 2020 14:47

Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.3	20.6	30.8
91	30.3	23.4	35.2

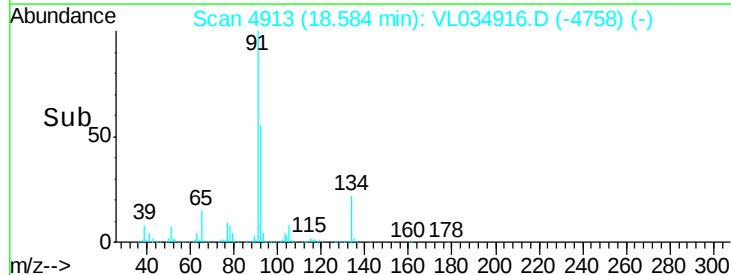
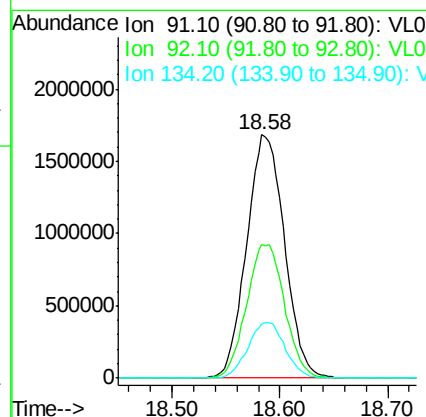
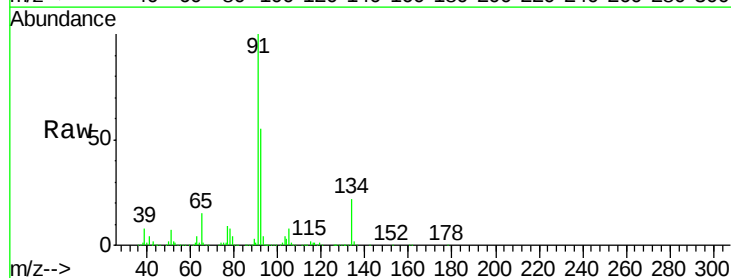
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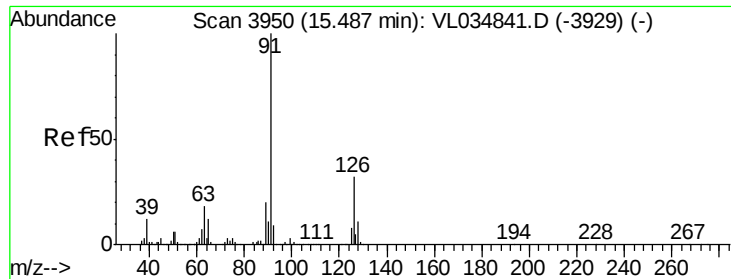
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#70
n-Butylbenzene
Concen: 10.591 ppbv
RT: 18.58 min Scan# 4913
Delta R.T. -0.00 min
Lab File: VL034916.D
Acq: 17 Mar 2020 14:47

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.3	43.8	65.6
134	22.5	19.0	28.4





#71

2-Chlorotoluene

Concen: 10.174 ppbv

RT: 15.48 min Scan# 3949

Delta R.T. -0.00 min

Lab File: VL034916.D

Acq: 17 Mar 2020 14:47

Instrument :

MSVOA_L

ClientSampleId :

VL0317ABS01

Tot Ion: 91 Resp: 2879382

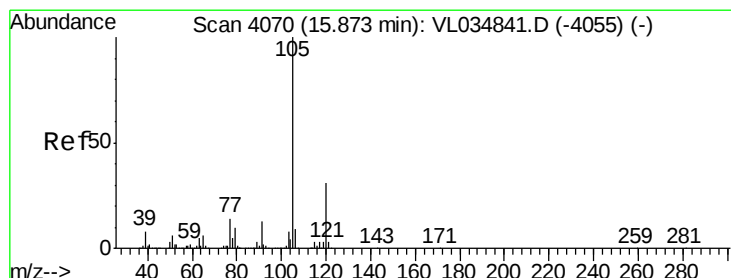
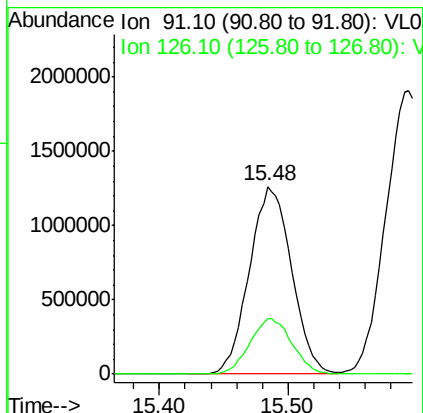
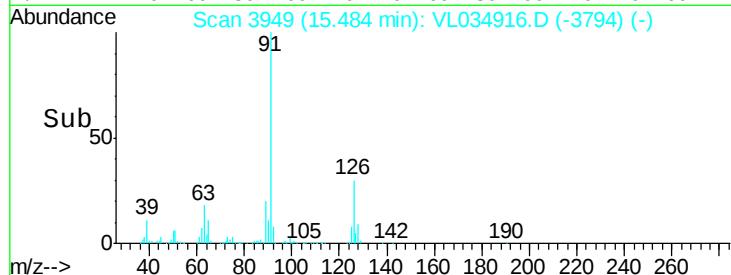
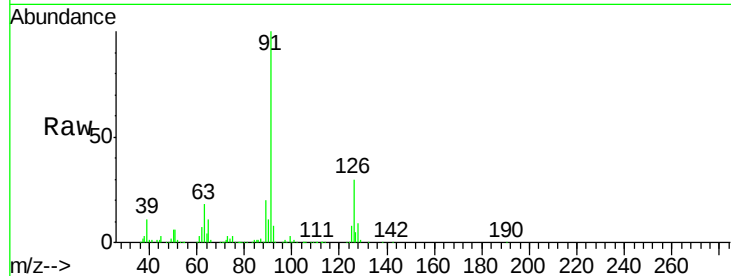
Ion Ratio Lower Upper

91 100

126 29.6 12.3 49.1

Manual Integrations
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#72

4-Ethyltoluene

Concen: 10.309 ppbv

RT: 15.87 min Scan# 4070

Delta R.T. 0.00 min

Lab File: VL034916.D

Acq: 17 Mar 2020 14:47

Tgt Ion: 105 Resp: 3008873

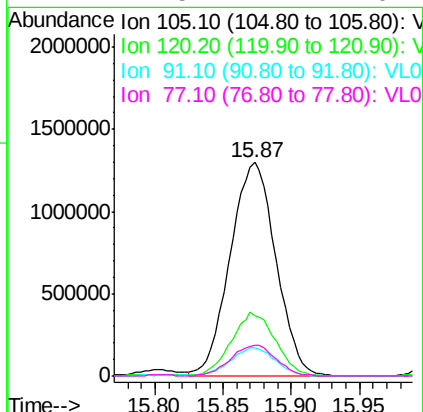
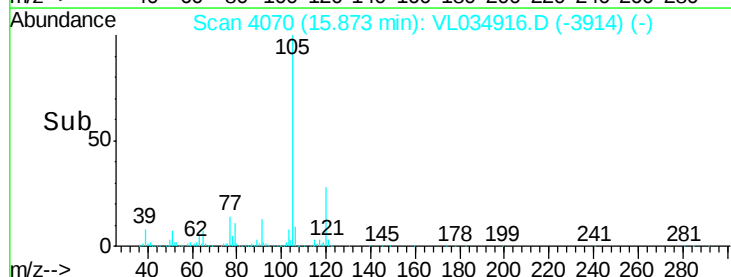
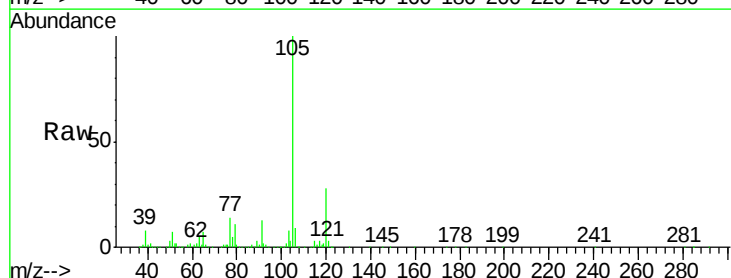
Ion Ratio Lower Upper

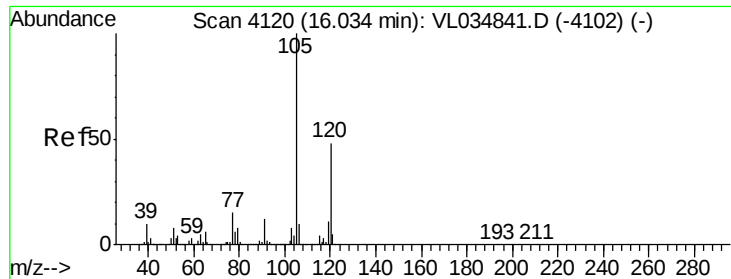
105 100

120 28.8 23.7 35.5

91 13.0 10.5 15.7

77 14.5 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 10.197 ppbv

RT: 16.03 min Scan# 4119

Delta R.T. -0.00 min

Lab File: VL034916.D

Acq: 17 Mar 2020 14:47

Instrument :

MSVOA_L

ClientSampleId :

VL0317ABS01

Tot Ion:105 Resp: 2786000

Ion Ratio Lower Upper

105 100

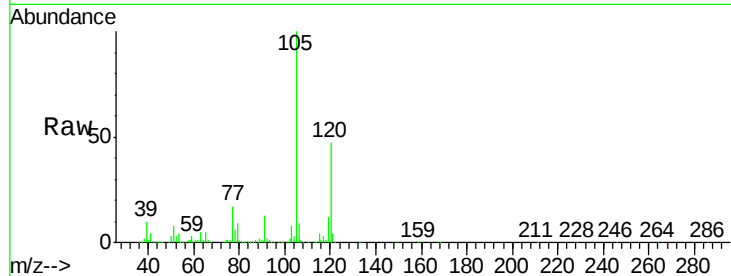
120 46.7 38.6 58.0

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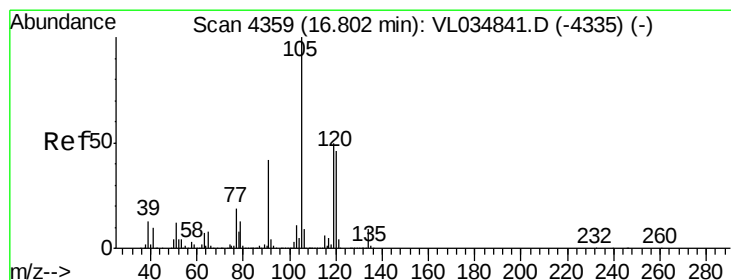
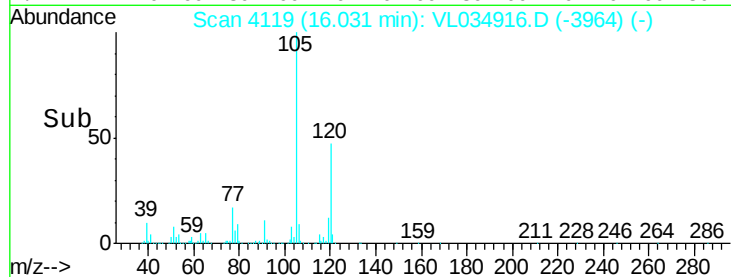
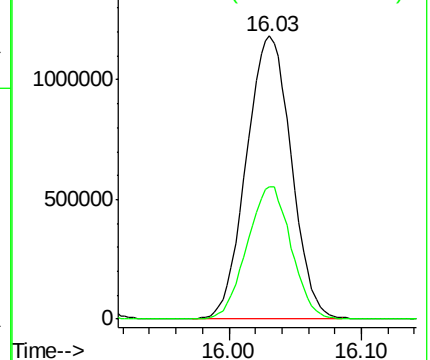
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 10.358 ppbv

RT: 16.80 min Scan# 4358

Delta R.T. -0.00 min

Lab File: VL034916.D

Acq: 17 Mar 2020 14:47

Tgt Ion:105 Resp: 2915637

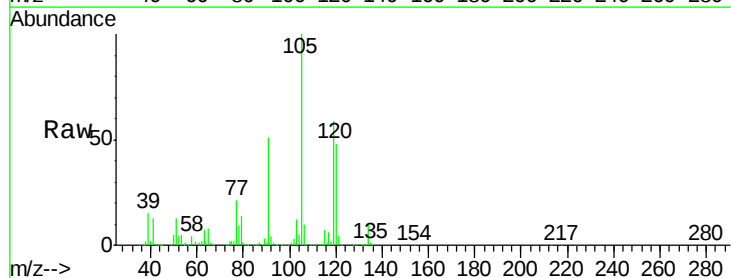
Ion Ratio Lower Upper

105 100

120 47.5 37.0 55.4

91 50.3 33.8 50.6

77 20.7 15.4 23.0

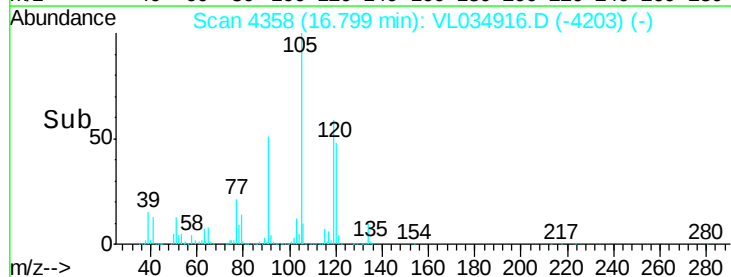
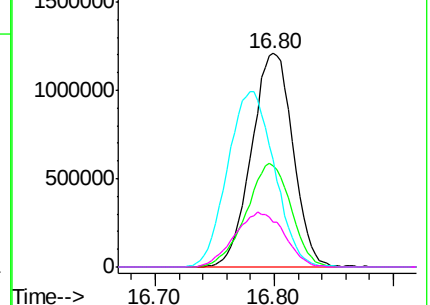


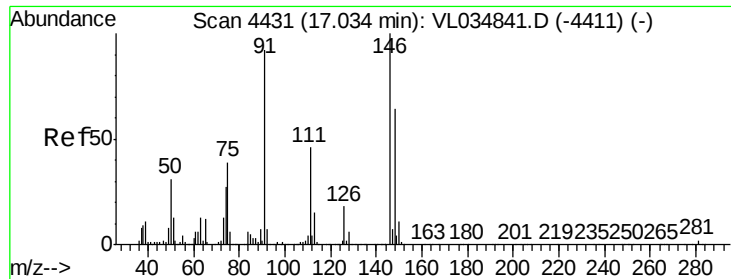
Abundance Ion 105.10 (104.80 to 105.80): V

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





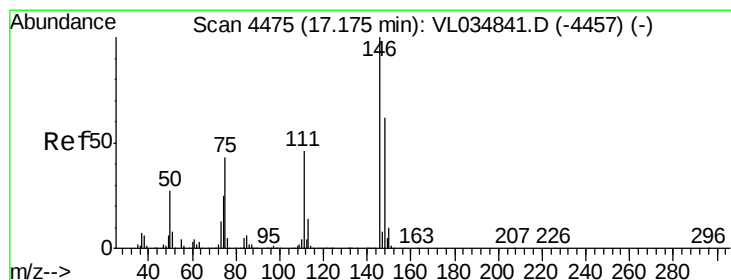
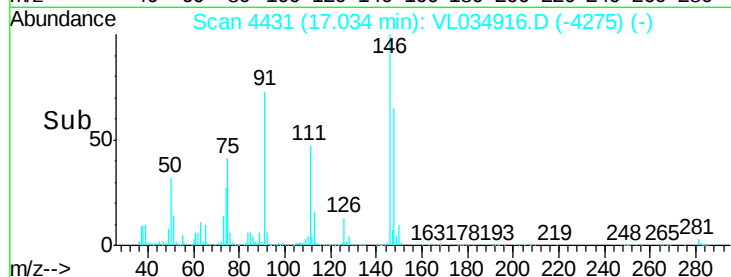
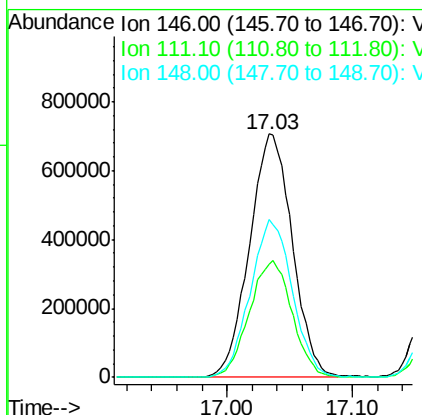
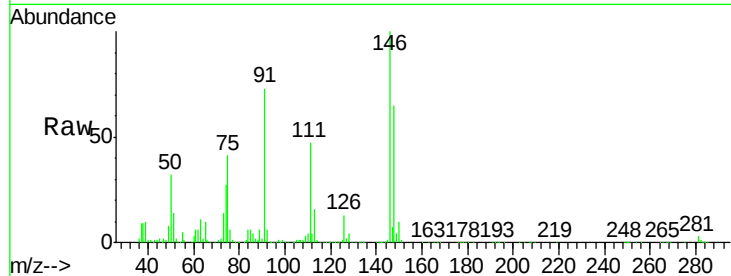
#75
 1,3-Dichlorobenzene
 Concen: 9.879 ppbv
 RT: 17.03 min Scan# 4431
 Delta R.T. 0.00 min
 Lab File: VL034916.D
 Acq: 17 Mar 2020 14:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0317ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.0	23.9	71.7
148	63.9	32.5	97.5

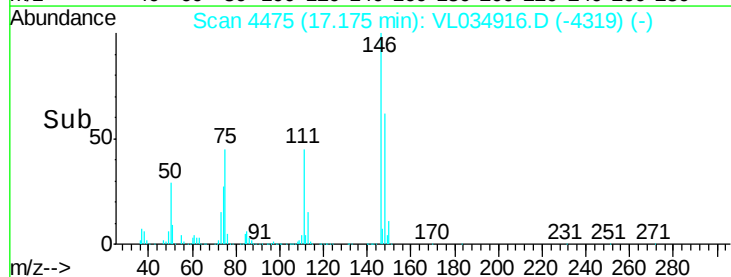
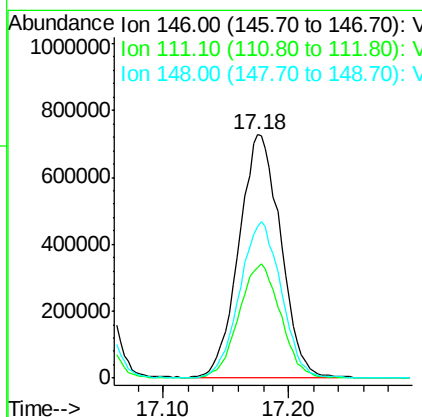
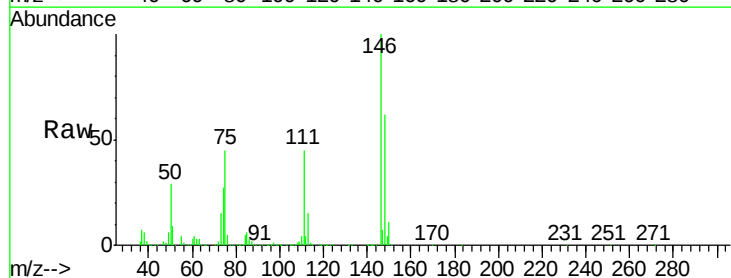
Manual Integrations
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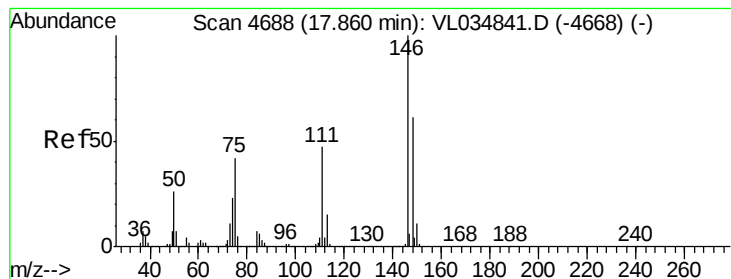
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#76
 1,4-Dichlorobenzene
 Concen: 9.878 ppbv
 RT: 17.18 min Scan# 4475
 Delta R.T. 0.00 min
 Lab File: VL034916.D
 Acq: 17 Mar 2020 14:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.9	23.4	70.2
148	64.9	32.3	96.9





#77

1,2-Dichlorobenzene

Concen: 9.888 ppbv

RT: 17.86 min Scan# 4687

Delta R.T. -0.00 min

Lab File: VL034916.D

Acq: 17 Mar 2020 14:47

Instrument :

MSVOA_L

ClientSampleId :

VL0317ABS01

Tot Ion:146 Resp: 1626783

Ion Ratio Lower Upper

146 100

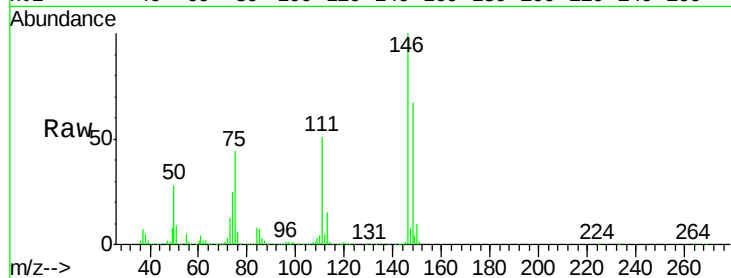
111 49.6 23.8 71.4

148 64.4 31.6 94.8

Manual Integrations
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MMDadoda

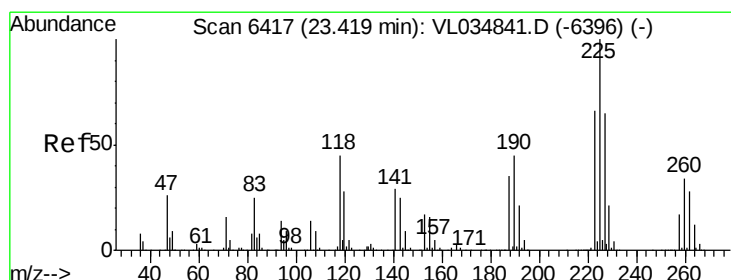
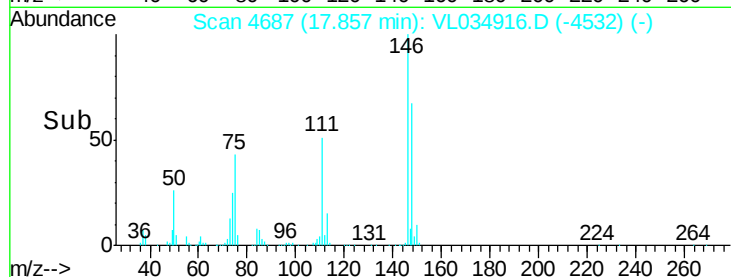
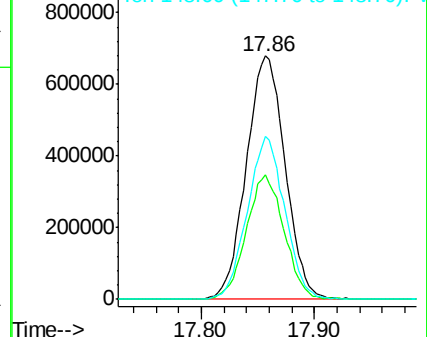
3/18/2020 5:35:42 PM



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: 9.734 ppbv

RT: 23.42 min Scan# 6417

Delta R.T. 0.00 min

Lab File: VL034916.D

Acq: 17 Mar 2020 14:47

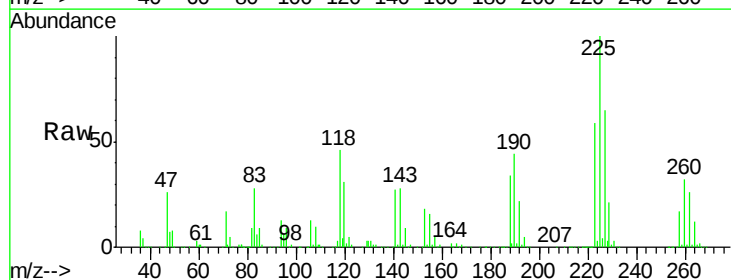
Tgt Ion:225 Resp: 1337655

Ion Ratio Lower Upper

225 100

223 62.7 51.1 76.7

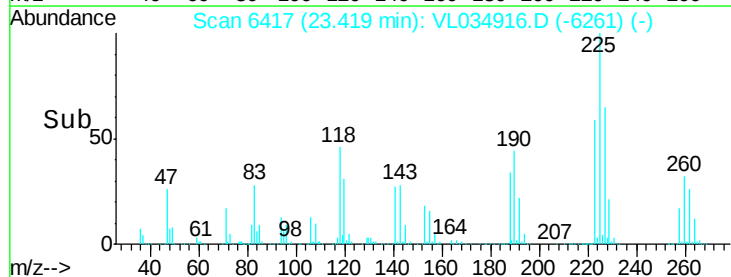
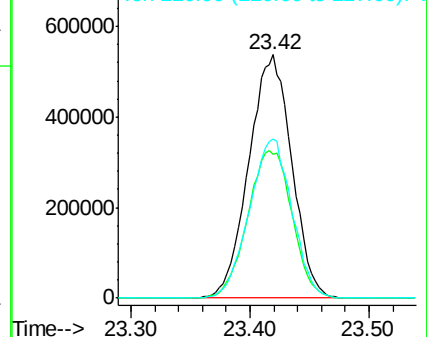
227 65.1 51.8 77.6

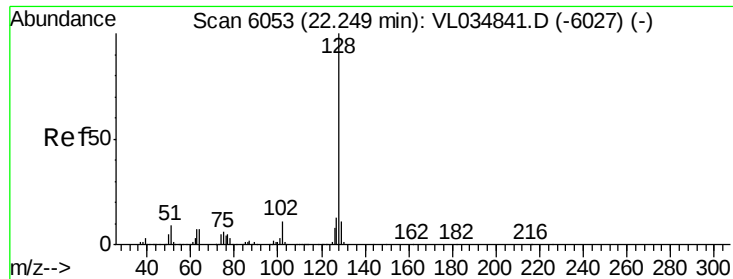


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





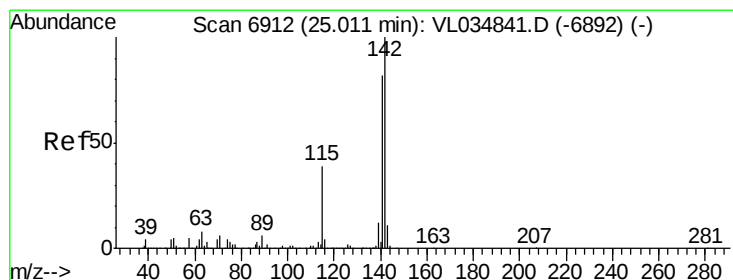
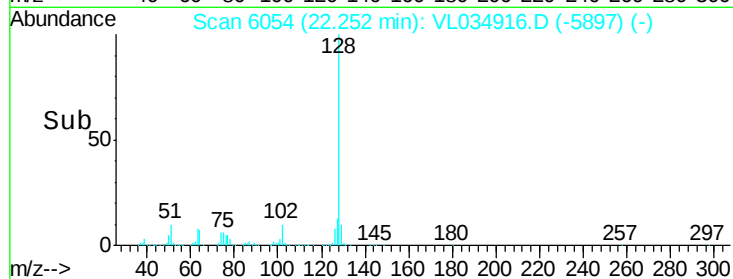
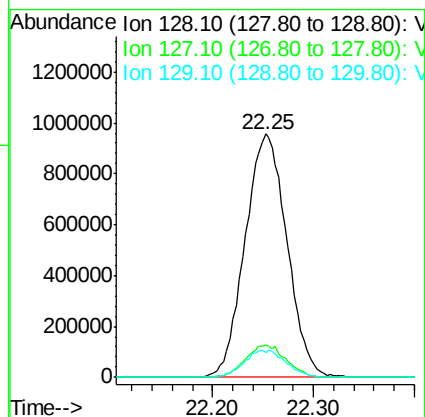
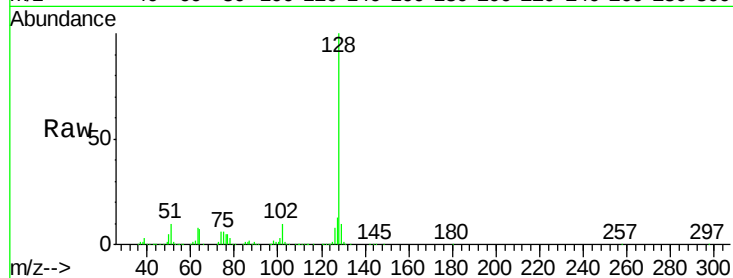
#79
Naphthalene
Concen: 12.506 ppbv
RT: 22.25 min Scan# 6054
Delta R.T. 0.00 min
Lab File: VL034916.D
Acq: 17 Mar 2020 14:47

Instrument :
MSVOA_L
ClientSampleId :
VL0317ABS01

Tot Ion:128 Resp: 2745426
Ion Ratio Lower Upper
128 100
127 13.1 10.2 15.2
129 10.4 8.6 13.0

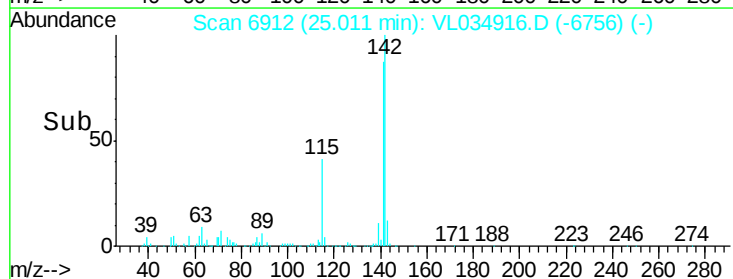
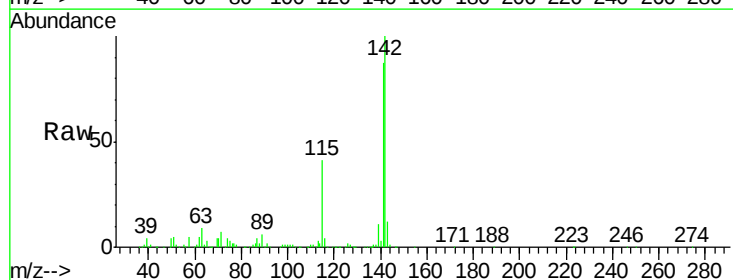
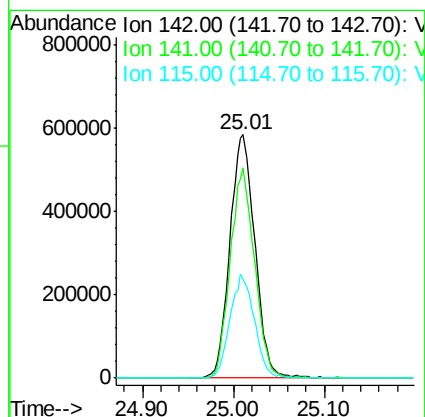
Manual Integrations
APPROVED

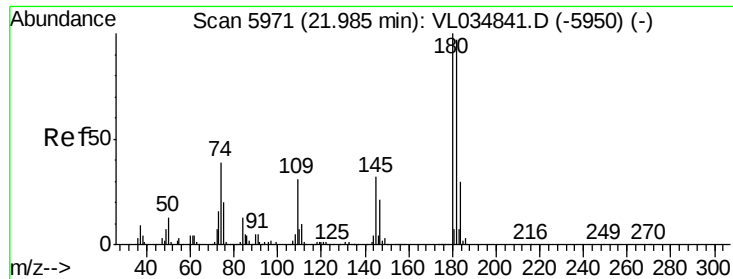
MMDadoda
3/18/2020 5:35:42 PM



#80
Naphthalene, 2-methyl-
Concen: 19.382 ppbv
RT: 25.01 min Scan# 6912
Delta R.T. 0.00 min
Lab File: VL034916.D
Acq: 17 Mar 2020 14:47

Tgt Ion:142 Resp: 1111927
Ion Ratio Lower Upper
142 100
141 84.5 68.9 103.3
115 41.8 33.2 49.8





#81
 1,2,4-Trichlorobenzene
 Concen: 11.277 ppbv
 RT: 21.98 min Scan# 5969
 Delta R.T. -0.01 min
 Lab File: VL034916.D
 Acq: 17 Mar 2020 14:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0317ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.6	115.0
184	30.7	25.0	37.4

Manual Integrations
 APPROVED

MMDadoda
 3/18/2020 5:35:42 PM

