

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL031620\
 Data File : VL034885.D
 Acq On : 16 Mar 2020 10:17
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
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 3/17/2020 12:15:36 PM

Quant Time: Mar 17 04:32:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 0
 QLast Update : Mon Mar 09 16:42:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1006000	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2175548	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	2325428	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	1818350	10.03	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.01	85	1096191	7.957	ppbv	100
3) Chlorodifluoromethane	2.94	51	1082109	9.629	ppbv	98
4) Chloromethane	3.10	50	618087	9.732	ppbv	97
5) Vinyl Chloride	3.21	62	608006	9.957	ppbv	93
6) Bromomethane	3.44	94	359623	10.117	ppbv	98
7) Chloroethane	3.52	64	224610	10.186	ppbv	100
8) Dichlorotetrafluoroethane	3.14	85	1361150	9.514	ppbv	95
9) Propene	2.97	41	491417	9.159	ppbv	99
10) Heptane	8.12	43	1342672	10.168	ppbv	100
11) Trichlorofluoromethane	3.92	101	1404468	9.583	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.46	101	983867	9.592	ppbv	95
13) Ethanol	3.56	45	123348	7.562	ppbv	94
14) Bromoethene	3.70	108	432614	9.766	ppbv	100
15) Acetone	3.81	43	1129772	8.665	ppbv	99
16) 1,3-Butadiene	3.29	39	567099	9.618	ppbv	99
17) tert-Butyl alcohol	4.26	59	996801	7.935	ppbv	99
18) 1,1-Dichloroethene	4.26	96	445031	9.797	ppbv	97
19) Isopropyl Alcohol	3.93	45	675347	8.202	ppbv #	41
20) Methylene Chloride	4.31	84	389178	9.440	ppbv	98
21) Allyl Chloride	4.38	41	782671	9.346	ppbv	99
22) trans-1,2-Dichloroethene	4.86	96	439709	9.541	ppbv	96
23) Vinyl Acetate	5.05	43	1779828	9.241	ppbv	99
24) 1,1-Dichloroethane	4.99	63	1246668	9.655	ppbv	99
25) Ethyl Acetate	5.66	43	2197073	9.458	ppbv	99
26) Hexane	5.67	57	972080	9.718	ppbv	98
27) Carbon Disulfide	4.52	76	1171272	10.319	ppbv	99
28) Methyl tert-Butyl Ether	5.01	73	1507952	9.061	ppbv	99
29) Chloroform	5.74	83	1506583	9.871	ppbv	96
30) Cyclohexane	7.13	84	828728	9.930	ppbv	99
31) cis-1,2-Dichloroethene	5.53	61	984371	9.623	ppbv	98
32) 1,1,1-Trichloroethane	6.50	97	1467244	9.866	ppbv	99
34) 2-Butanone	5.22	43	1461276	10.107	ppbv	99
35) Carbon Tetrachloride	7.01	117	1505886	11.129	ppbv	99
36) Benzene	6.88	78	1941953	10.014	ppbv	96
37) 1,2-Dichloroethane	6.30	62	1177640	10.770	ppbv	98
38) Trichloroethene	7.84	130	729861	9.910	ppbv	93
39) 1,2-Dichloropropane	7.61	63	774993	10.087	ppbv	98
40) 1,4-Dioxane	7.83	88	254818	8.782	ppbv #	91
41) Tetrahydrofuran	6.03	42	813302	10.396	ppbv	99
42) Bromodichloromethane	7.79	83	1625896	10.910	ppbv	99
43) Methyl Methacrylate	8.01	69	878475	10.753	ppbv	99

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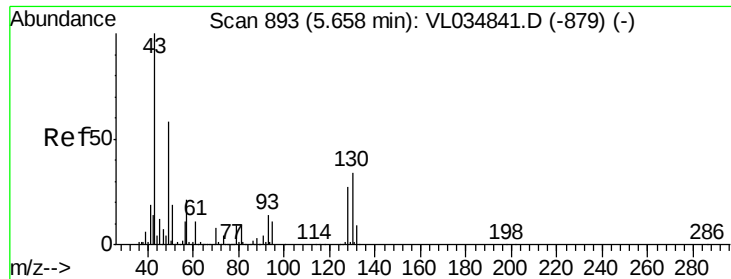
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 0
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	3411843	10.412	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1020423	10.631	ppbv	99
46) cis-1,3-Dichloropropene	8.71	75	1195538	10.482	ppbv	98
47) 1,1,2-Trichloroethane	9.48	97	820456	10.406	ppbv	95
48) Dibromochloromethane	10.32	129	1358151	10.636	ppbv	98
49) Bromoform	13.06	173	1202012	10.558	ppbv	98
50) 4-Methyl-2-Pentanone	8.74	43	2221821	10.676	ppbv	100
51) 2-Hexanone	10.14	43	1839820	10.878	ppbv #	99
52) Tetrachloroethene	11.24	164	703141	9.165	ppbv	95
53) Toluene	9.82	91	2298300	10.263	ppbv	99
54) 1,2-Dibromoethane	10.63	107	1242543	10.469	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.15	131	1015715	9.724	ppbv	98
57) Chlorobenzene	12.16	112	1708825	9.392	ppbv	96
58) Ethyl Benzene	12.73	91	3151315	10.007	ppbv	99
59) m/p-Xylene	13.01	91	5133828m	19.459	ppbv	
60) o-Xylene	13.71	91	2546249	9.885	ppbv	99
61) Styrene	13.55	104	1860544	10.292	ppbv	98
62) Isopropylbenzene	14.69	105	3745626	9.616	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.70	83	1819876	10.406	ppbv	99
64) n-propylbenzene	15.59	120	988977	9.755	ppbv	90
65) tert-Butylbenzene	16.77	119	3271686	9.608	ppbv	97
66) Benzyl Chloride	17.02	91	1350865	9.514	ppbv	96
67) sec-Butylbenzene	17.32	105	4704330	9.964	ppbv	98
69) p-Isopropyltoluene	17.68	119	3908989	9.874	ppbv	99
70) n-Butylbenzene	18.58	91	4201845	10.402	ppbv	99
71) 2-Chlorotoluene	15.48	91	2943932	9.980	ppbv	98
72) 4-Ethyltoluene	15.87	105	3064785	10.074	ppbv	99
73) 1,3,5-Trimethylbenzene	16.02	105	2877030	10.103	ppbv	96
74) 1,2,4-Trimethylbenzene	16.79	105	2973116	10.133	ppbv	97
75) 1,3-Dichlorobenzene	17.03	146	1720922	9.728	ppbv	99
76) 1,4-Dichlorobenzene	17.17	146	1705516	9.661	ppbv	99
77) 1,2-Dichlorobenzene	17.85	146	1657421	9.665	ppbv	98
78) Hexachloro-1,3-Butadiene	23.41	225	1371311	9.574	ppbv	99
79) Naphthalene	22.25	128	2828329	12.361	ppbv	98
80) Naphthalene, 2-methyl-	25.01	142	1147158	19.185	ppbv	99
81) 1,2,4-Trichlorobenzene	21.97	180	1601291	11.015	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. -0.01 min

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Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 49 Resp: 1006000

Ion Ratio Lower Upper

49 100

128 44.2 23.4 70.3

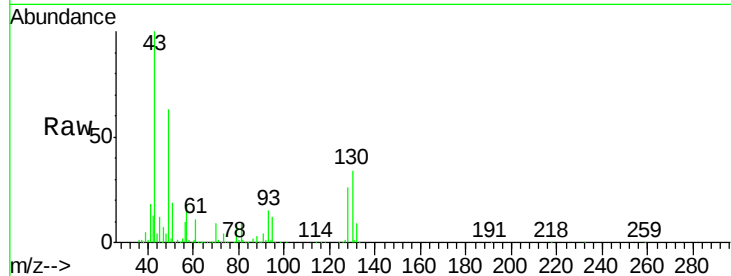
130 56.5 30.0 90.0

Manual Integrations

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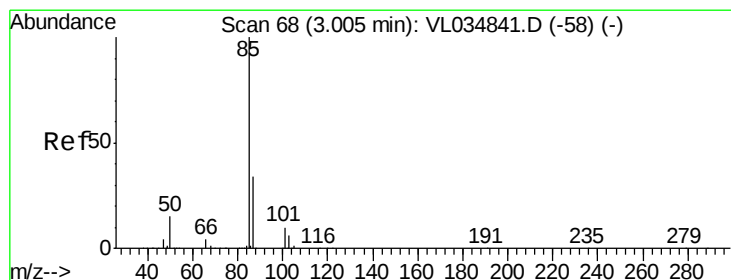
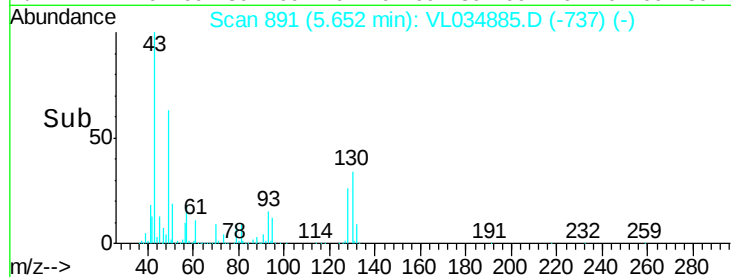
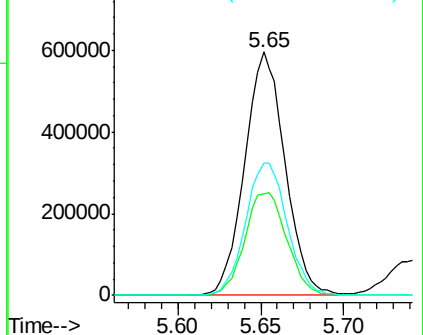
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 7.957 ppbv

RT: 3.01 min Scan# 68

Delta R.T. 0.00 min

Lab File: VL034885.D

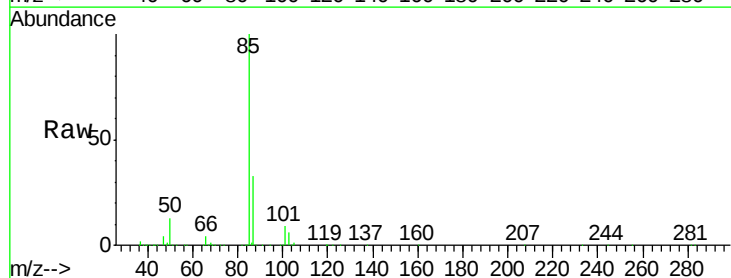
Acq: 16 Mar 2020 10:17

Tgt Ion: 85 Resp: 1096191

Ion Ratio Lower Upper

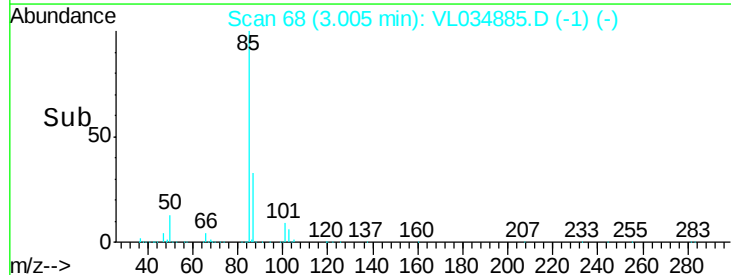
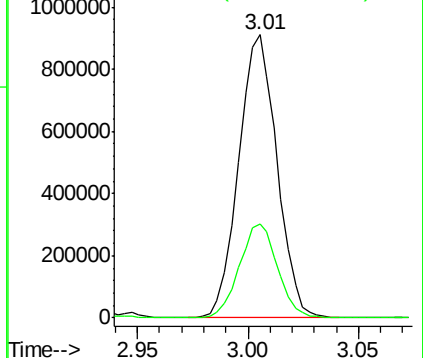
85 100

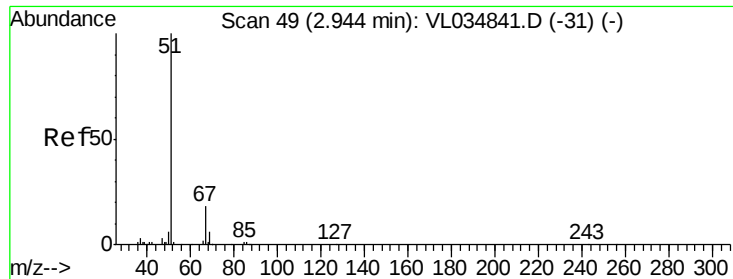
87 33.4 26.9 40.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





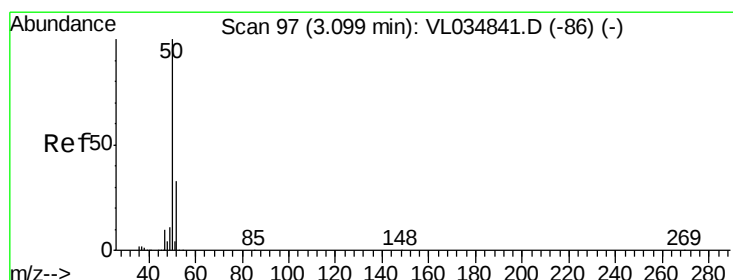
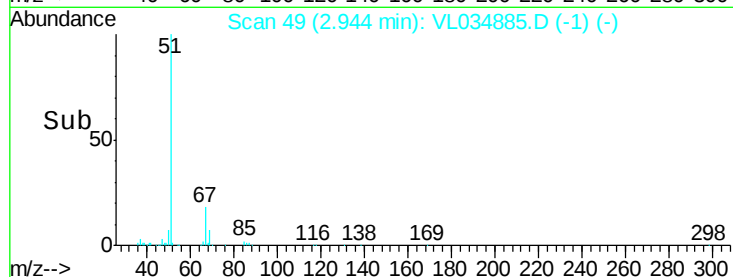
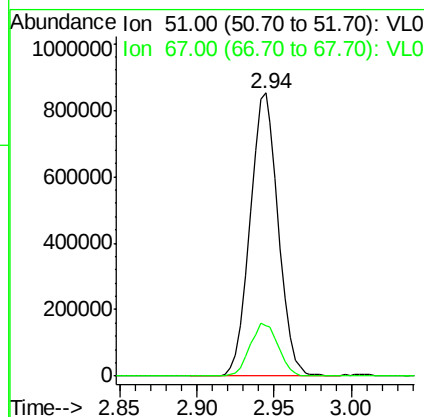
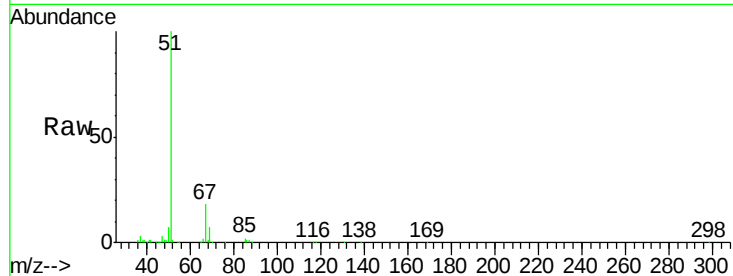
#3
Chlorodifluoromethane
Concen: 9.629 ppbv
RT: 2.94 min Scan# 49
Delta R.T. 0.00 min
Lab File: VL034885.D
Acq: 16 Mar 2020 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 51 Resp: 1082109
Ion Ratio Lower Upper
51 100
67 18.9 14.3 21.5

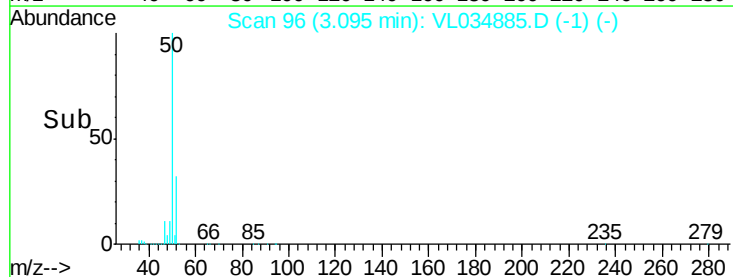
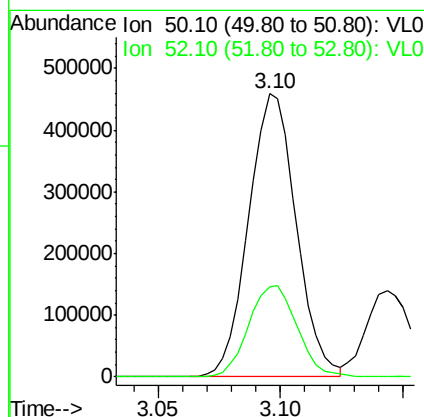
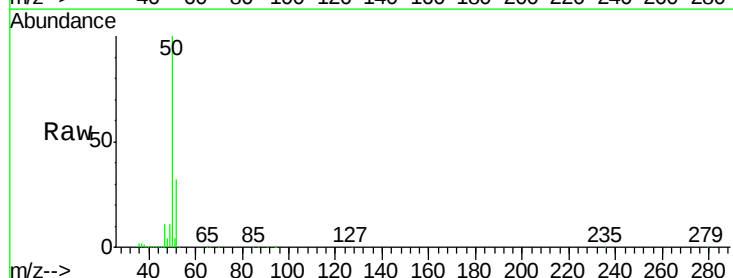
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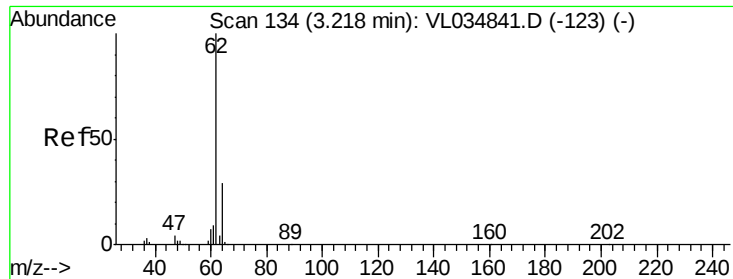
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#4
Chloromethane
Concen: 9.732 ppbv
RT: 3.10 min Scan# 96
Delta R.T. -0.00 min
Lab File: VL034885.D
Acq: 16 Mar 2020 10:17

Tgt Ion: 50 Resp: 618087
Ion Ratio Lower Upper
50 100
52 31.8 26.8 40.2





#5

Vinyl Chloride

Concen: 9.957 ppbv

RT: 3.21 min Scan# 133

Delta R.T. -0.00 min

Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 62 Resp: 608006

Ion Ratio Lower Upper

62 100

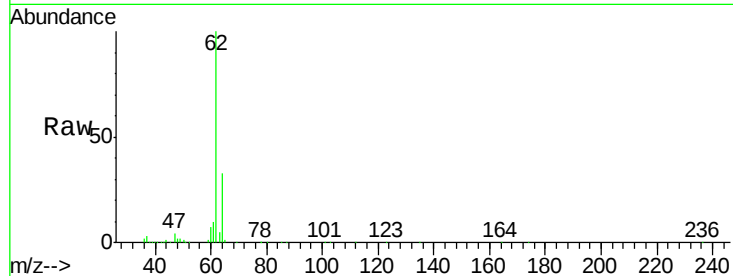
64 32.6 23.0 34.4

Manual Integrations

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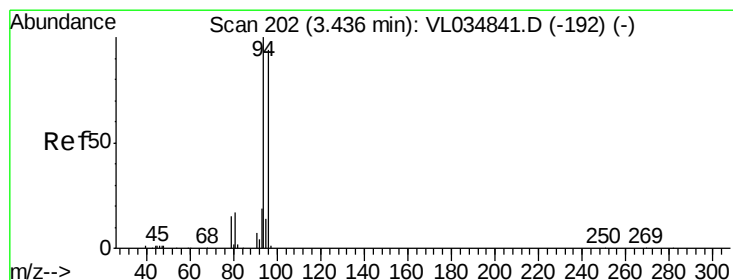
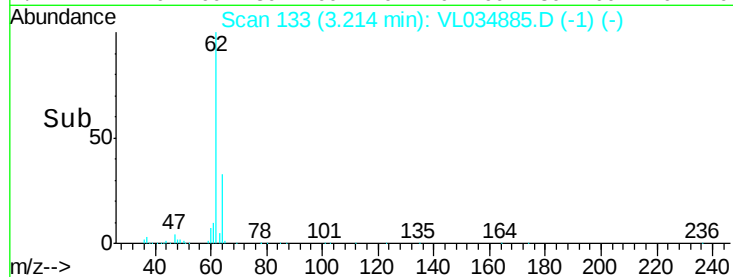
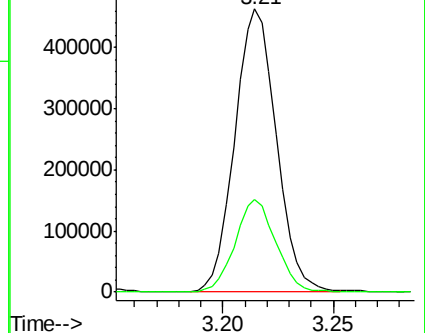
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 10.117 ppbv

RT: 3.44 min Scan# 202

Delta R.T. 0.00 min

Lab File: VL034885.D

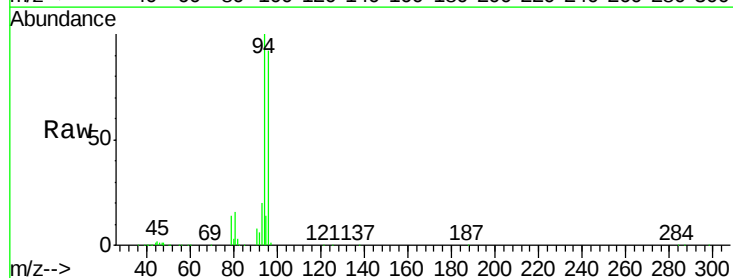
Acq: 16 Mar 2020 10:17

Tgt Ion: 94 Resp: 359623

Ion Ratio Lower Upper

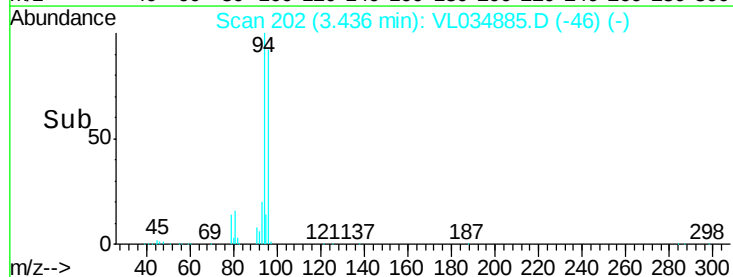
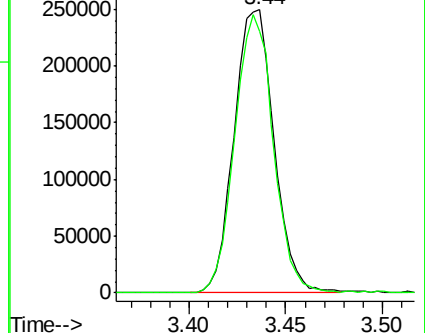
94 100

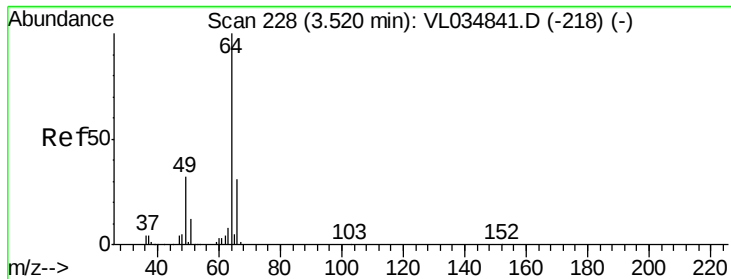
96 92.4 75.5 113.3



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.186 ppbv

RT: 3.52 min Scan# 227

Delta R.T. -0.00 min

Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 64 Resp: 224610

Ion Ratio Lower Upper

64 100

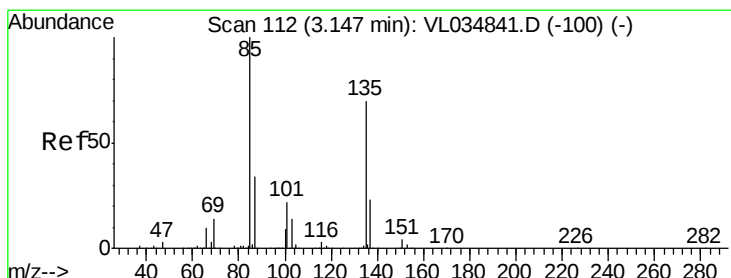
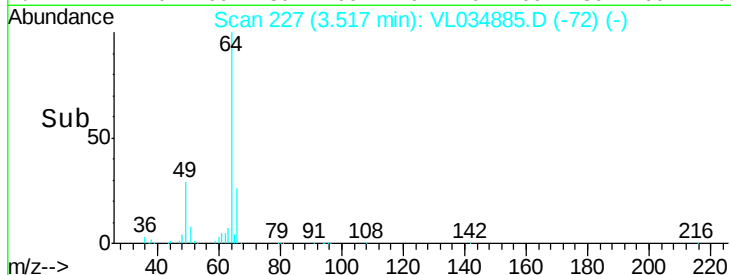
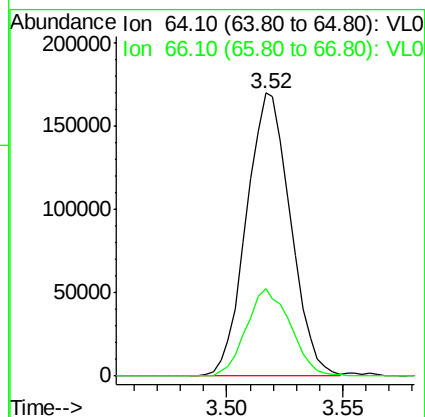
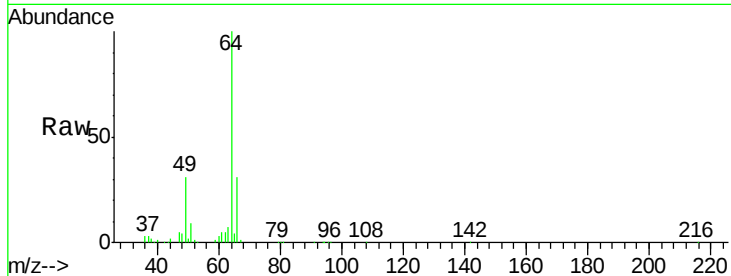
66 31.1 24.8 37.2

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#8

Dichlorotetrafluoroethane

Concen: 9.514 ppbv

RT: 3.14 min Scan# 111

Delta R.T. -0.00 min

Lab File: VL034885.D

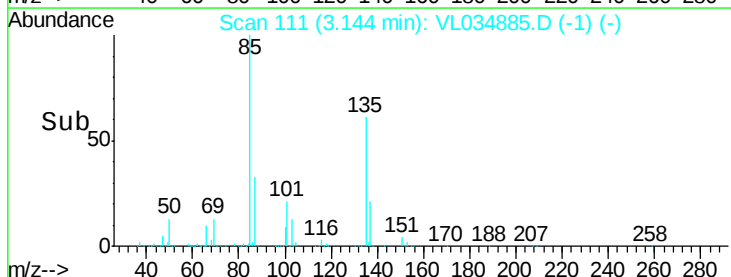
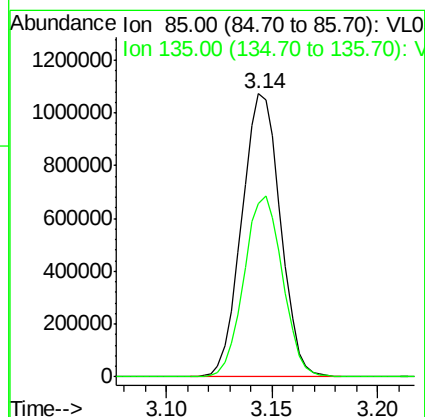
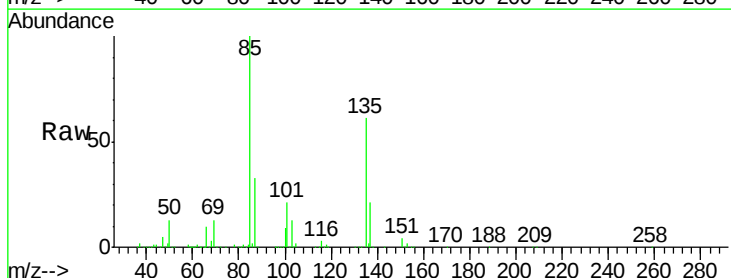
Acq: 16 Mar 2020 10:17

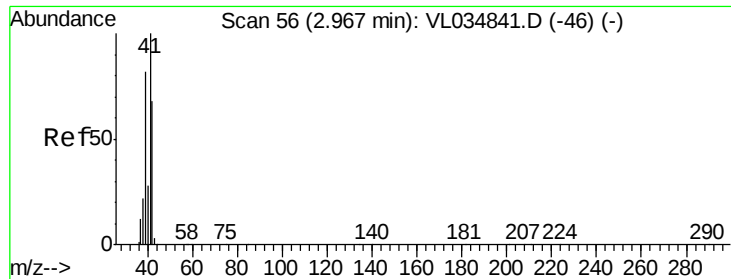
Tgt Ion: 85 Resp: 1361150

Ion Ratio Lower Upper

85 100

135 64.2 54.3 81.5





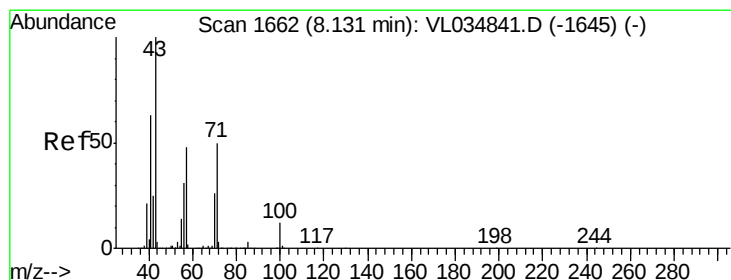
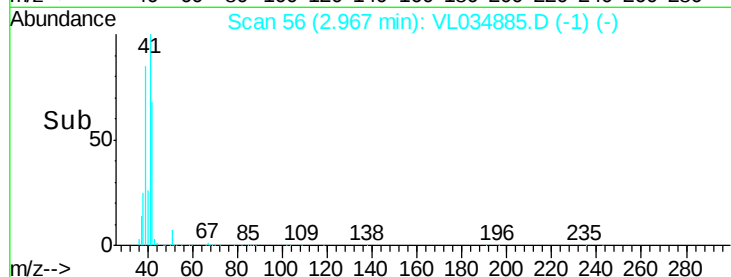
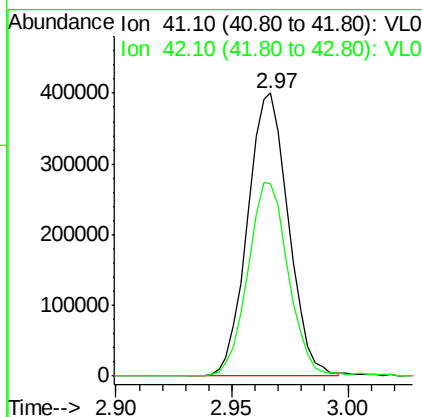
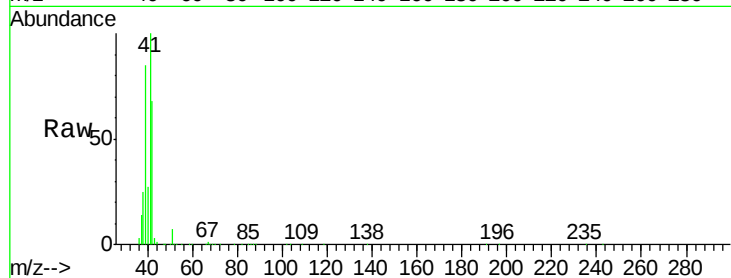
#9
 Propene
 Concen: 9.159 ppbv
 RT: 2.97 min Scan# 56
 Delta R.T. 0.00 min
 Lab File: VL034885.D
 Acq: 16 Mar 2020 10:17

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 41 Resp: 491417
 Ion Ratio Lower Upper
 41 100
 42 68.3 55.2 82.8

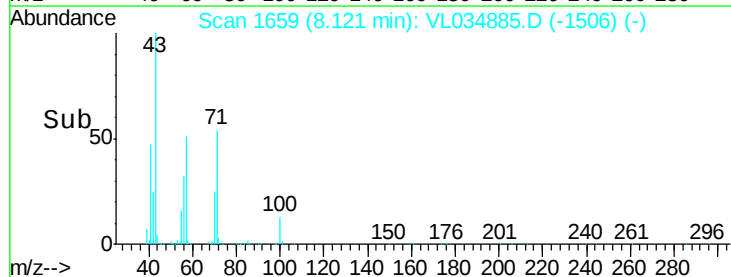
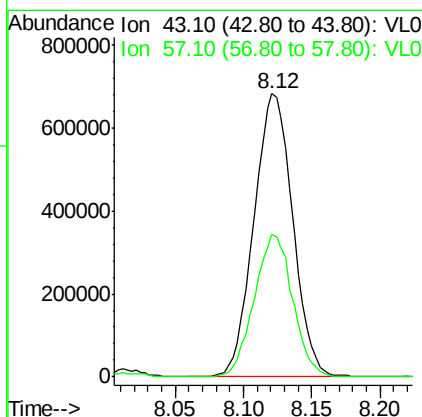
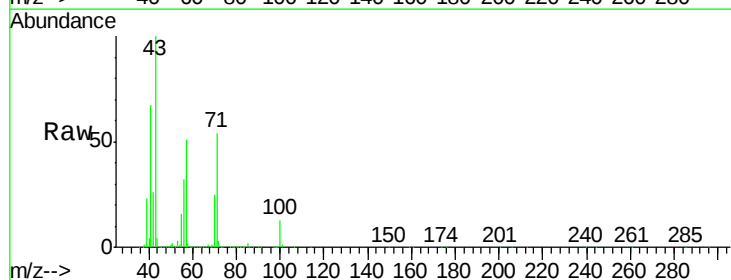
Manual Integrations
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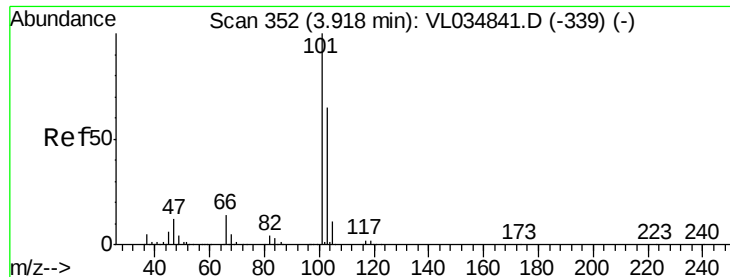
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#10
 Heptane
 Concen: 10.168 ppbv
 RT: 8.12 min Scan# 1659
 Delta R.T. -0.01 min
 Lab File: VL034885.D
 Acq: 16 Mar 2020 10:17

Tgt Ion: 43 Resp: 1342672
 Ion Ratio Lower Upper
 43 100
 57 49.8 39.7 59.5





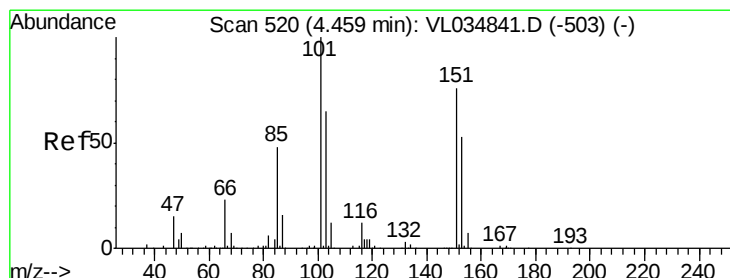
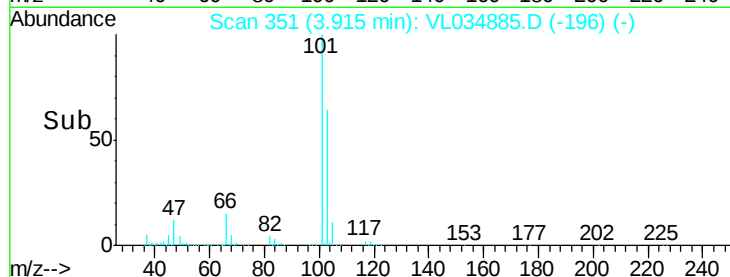
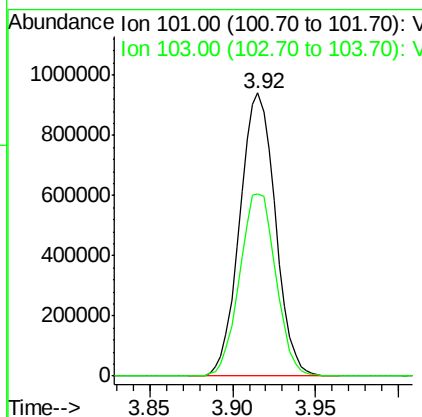
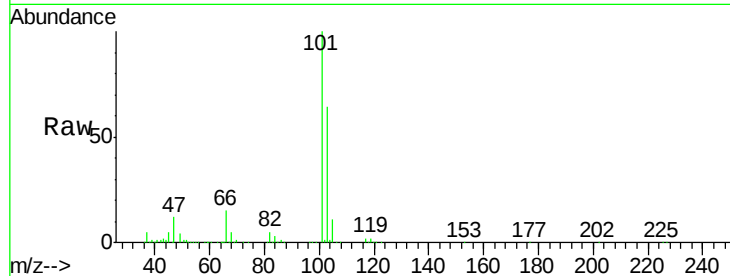
#11
 Trichlorofluoromethane
 Concen: 9.583 ppbv
 RT: 3.92 min Scan# 351
 Delta R.T. -0.00 min
 Lab File: VL034885.D
 Acq: 16 Mar 2020 10:17

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:101 Resp: 1404468
 Ion Ratio Lower Upper
 101 100
 103 64.4 51.8 77.8

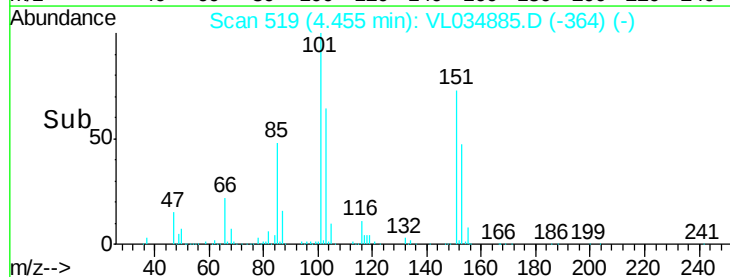
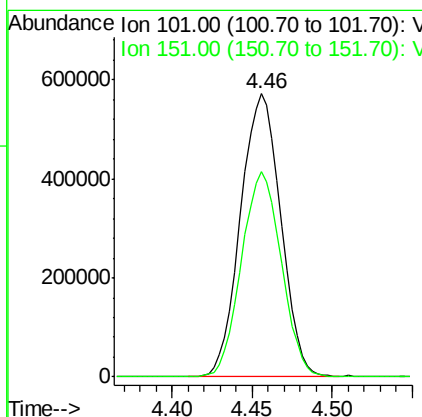
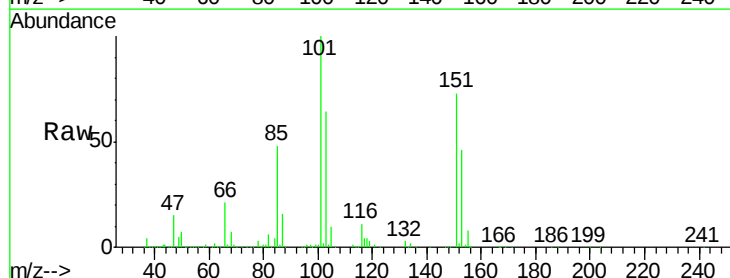
Manual Integrations
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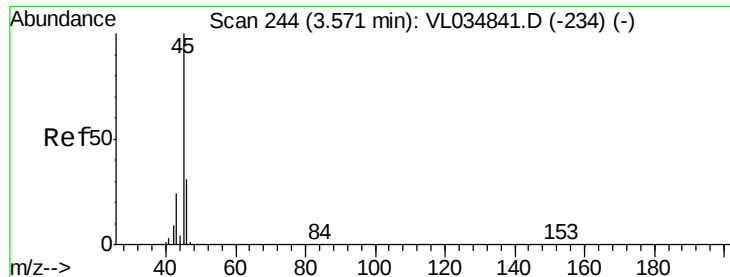
MMDadoda
 3/17/2020 12:15:36 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.592 ppbv
 RT: 4.46 min Scan# 519
 Delta R.T. -0.00 min
 Lab File: VL034885.D
 Acq: 16 Mar 2020 10:17

Tgt Ion:101 Resp: 983867
 Ion Ratio Lower Upper
 101 100
 151 72.0 60.8 91.2





#13

Ethanol

Concen: 7.562 ppbv

RT: 3.56 min Scan# 242

Delta R.T. -0.01 min

Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 45 Resp: 123348

Ion Ratio Lower Upper

45 100

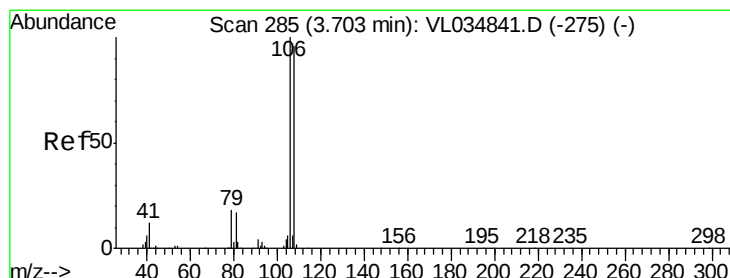
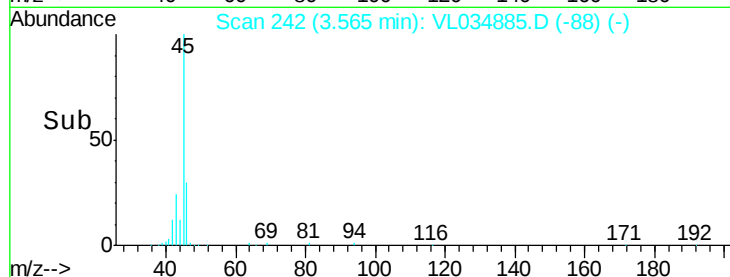
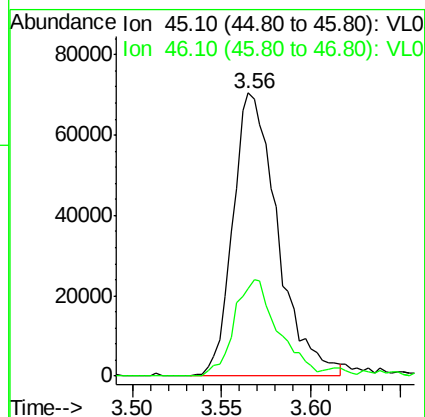
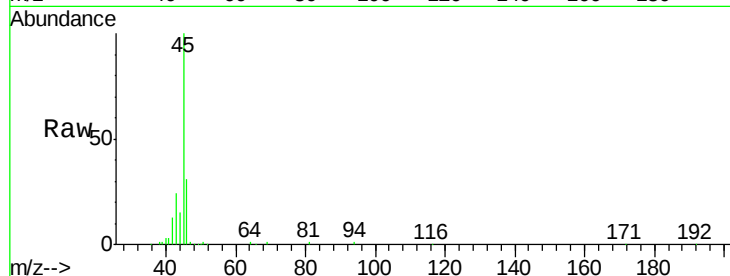
46 36.0 16.0 64.0

Manual Integrations

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3/17/2020 12:15:36 PM



#14

Bromoethene

Concen: 9.766 ppbv

RT: 3.70 min Scan# 285

Delta R.T. 0.00 min

Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

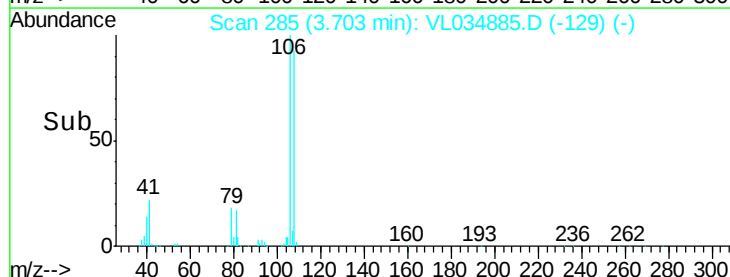
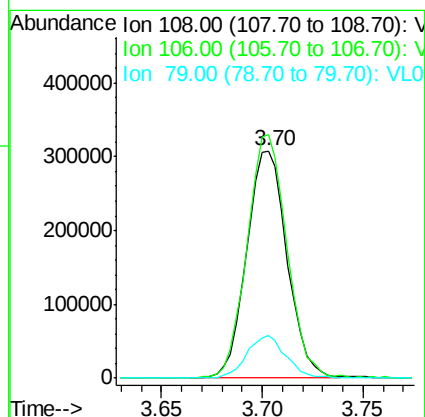
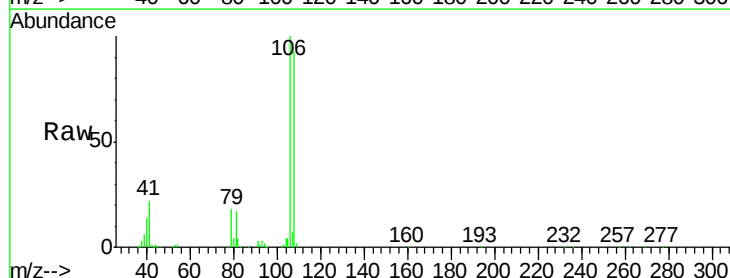
Tgt Ion: 108 Resp: 432614

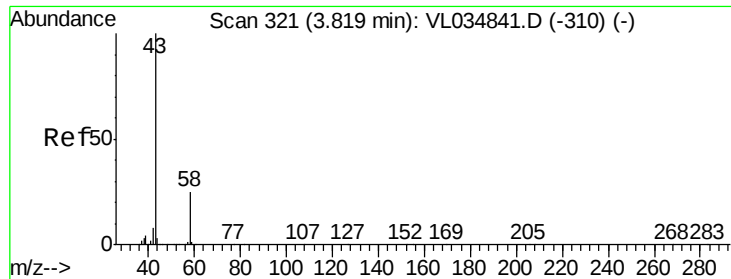
Ion Ratio Lower Upper

108 100

106 106.5 85.1 127.7

79 18.4 14.7 22.1





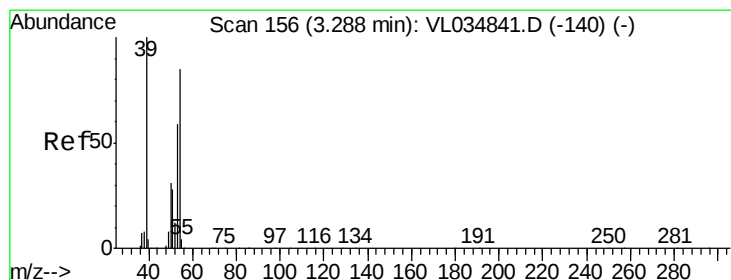
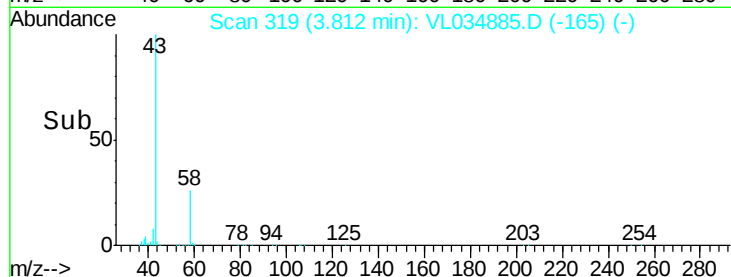
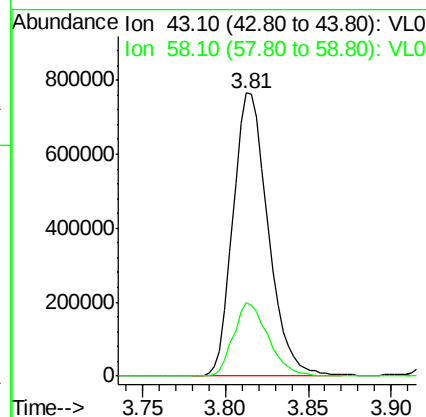
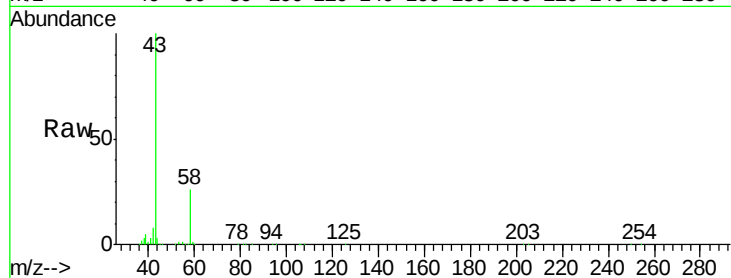
#15
Acetone
Concen: 8.665 ppbv
RT: 3.81 min Scan# 319
Delta R.T. -0.01 min
Lab File: VL034885.D
Acq: 16 Mar 2020 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 1129772
Ion Ratio Lower Upper
43 100
58 25.7 21.0 31.6

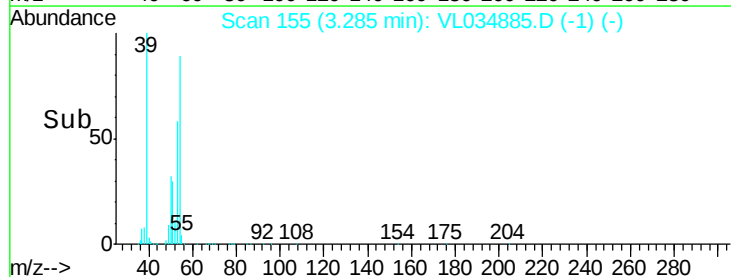
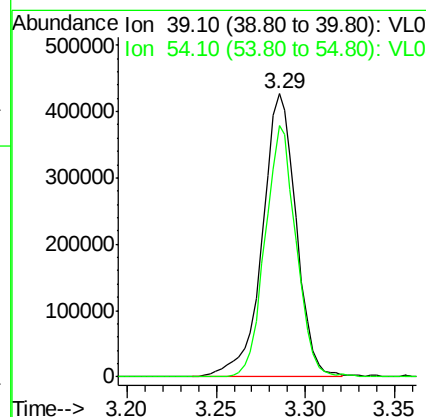
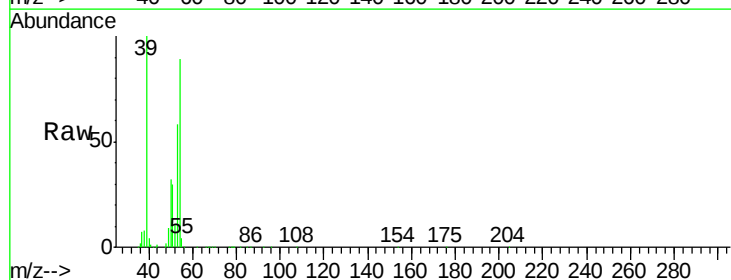
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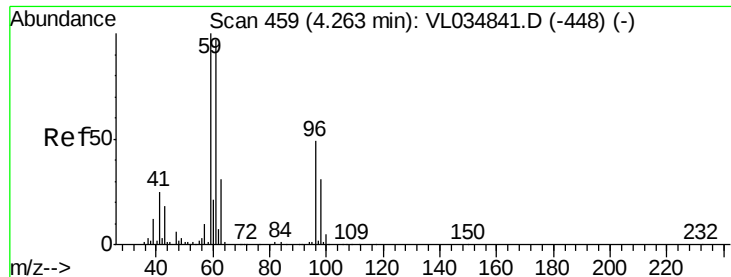
MMDadoda
3/17/2020 12:15:36 PM



#16
1,3-Butadiene
Concen: 9.618 ppbv
RT: 3.29 min Scan# 155
Delta R.T. -0.00 min
Lab File: VL034885.D
Acq: 16 Mar 2020 10:17

Tgt Ion: 39 Resp: 567099
Ion Ratio Lower Upper
39 100
54 82.0 65.0 97.6





#17

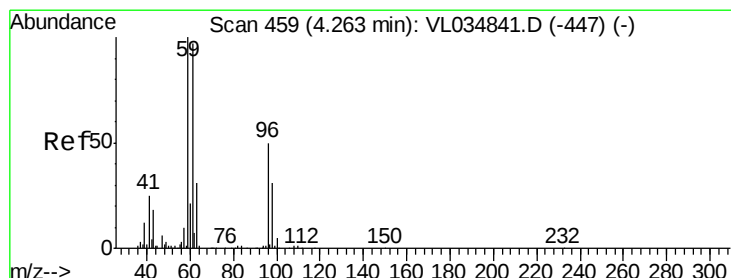
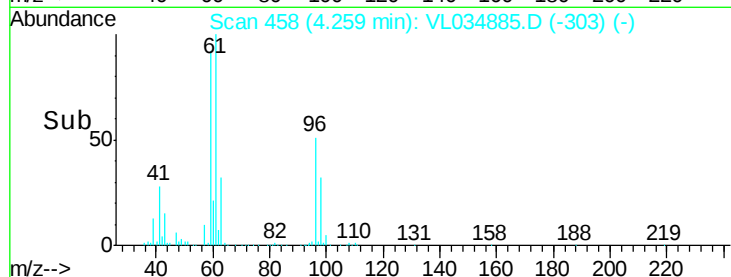
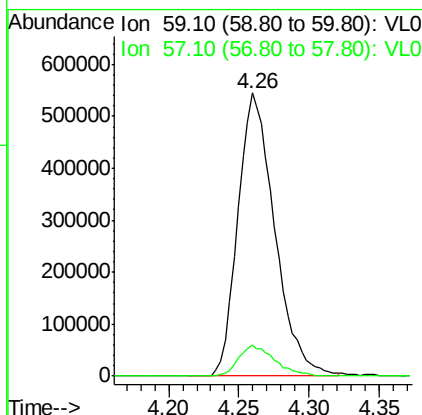
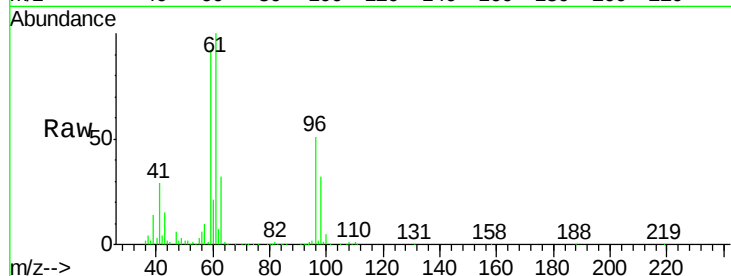
tert-Butyl alcohol
Concen: 7.935 ppbv
RT: 4.26 min Scan# 458
Delta R.T. -0.00 min
Lab File: VL034885.D
Acq: 16 Mar 2020 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	59.10	Resp	996801
Ion Ratio	100	Lower	Upper
57	10.8	8.3	12.5

Manual Integrations
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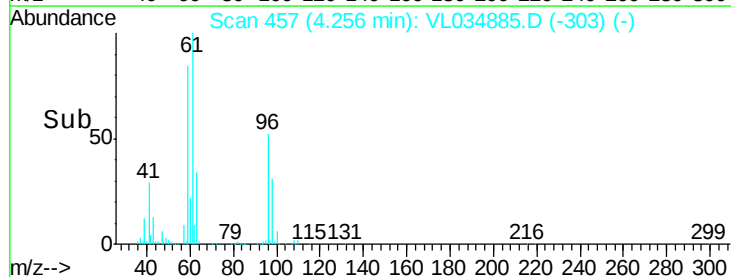
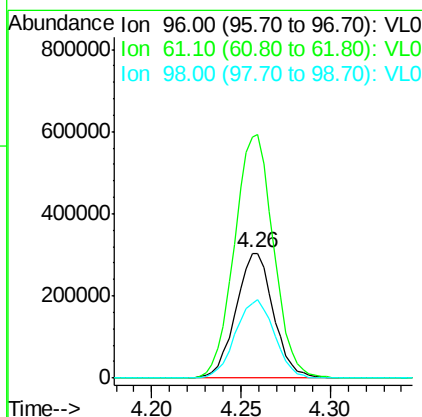
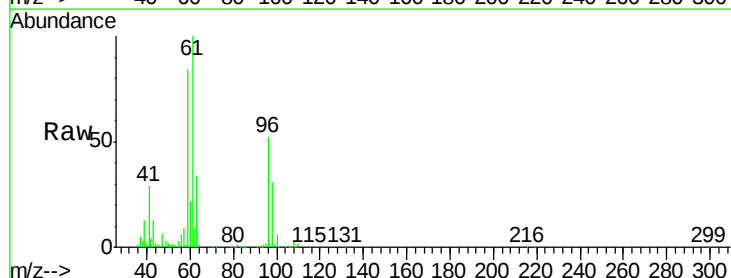
MMDadoda
3/17/2020 12:15:36 PM

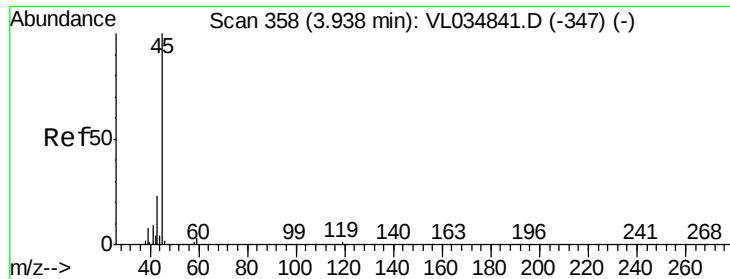


#18

1,1-Dichloroethene
Concen: 9.797 ppbv
RT: 4.26 min Scan# 457
Delta R.T. -0.01 min
Lab File: VL034885.D
Acq: 16 Mar 2020 10:17

Tgt Ion	96	Resp	445031
Ion Ratio	100	Lower	Upper
61	192.5	157.3	235.9
98	59.9	50.2	75.4





#19

Isopropyl Alcohol

Concen: 8.202 ppbv

RT: 3.93 min Scan# 356

Delta R.T. -0.01 min

Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 45 Resp: 675347

Ion Ratio Lower Upper

45 100

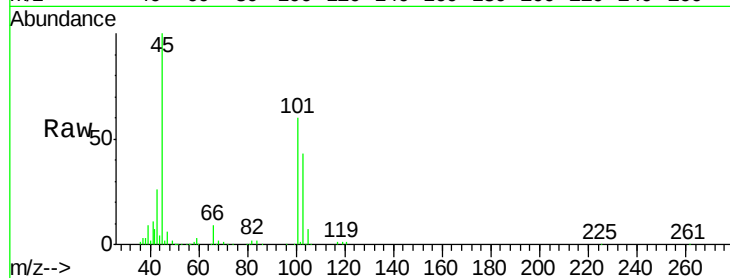
58 2.3 30.5 45.7#

Manual Integrations

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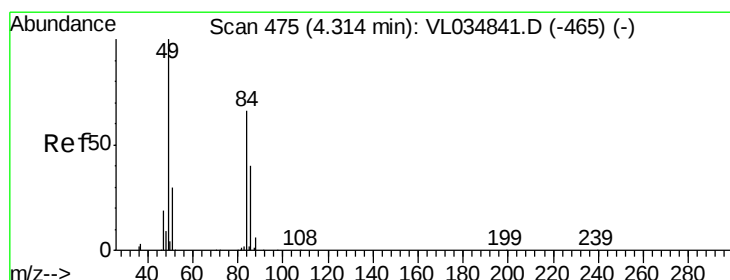
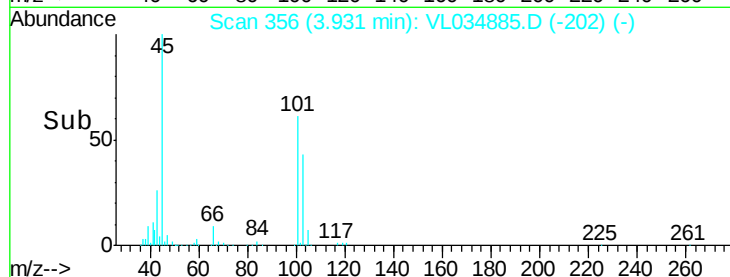
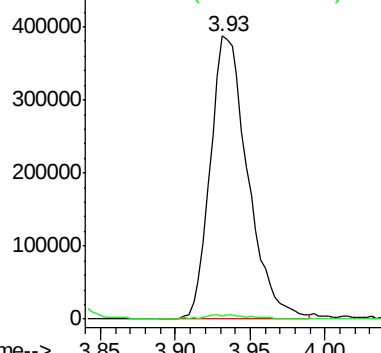
MMDadoda

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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 9.440 ppbv

RT: 4.31 min Scan# 475

Delta R.T. 0.00 min

Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

Tgt Ion: 84 Resp: 389178

Ion Ratio Lower Upper

84 100

49 152.9 121.5 182.3

51 47.0 36.6 55.0

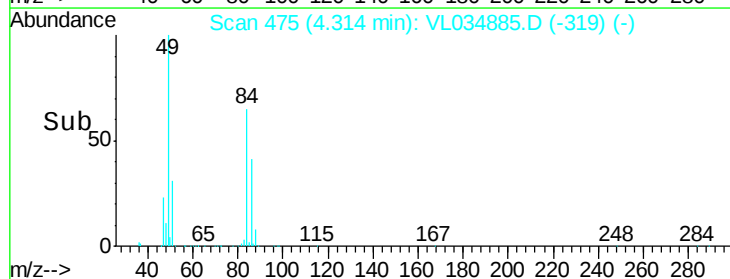
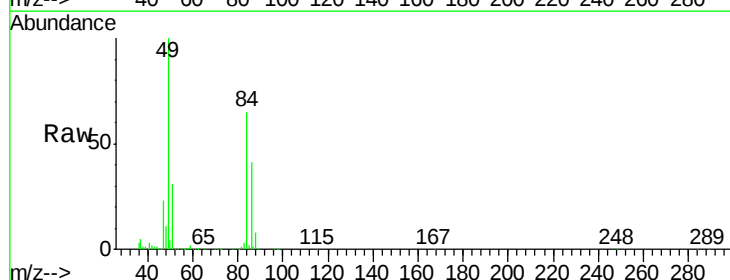
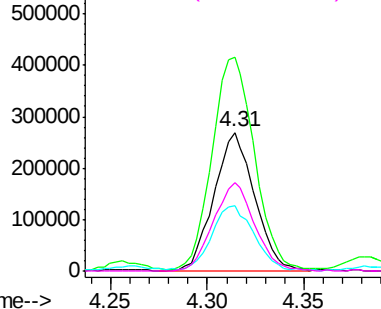
86 63.5 48.2 72.2

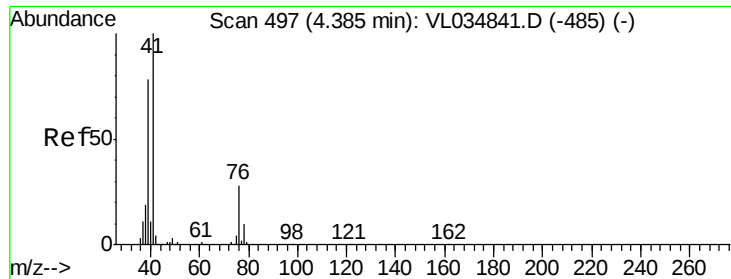
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0





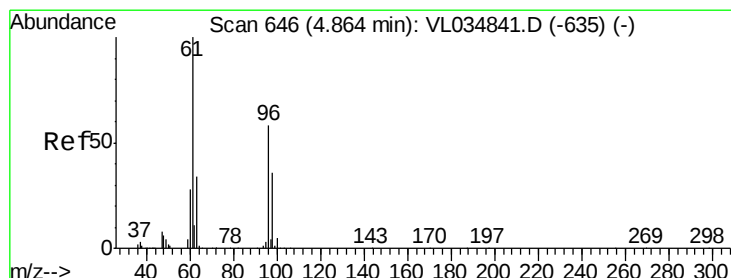
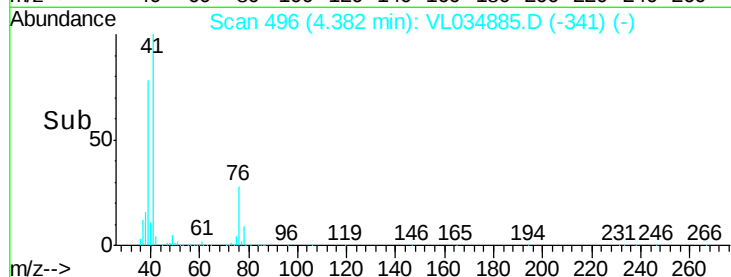
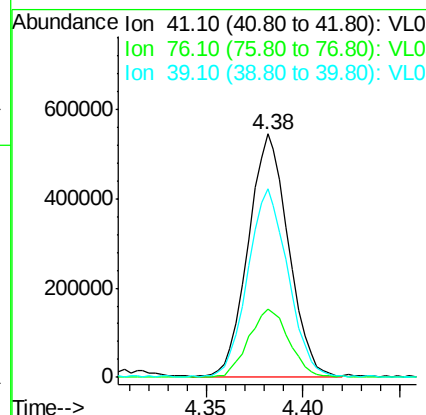
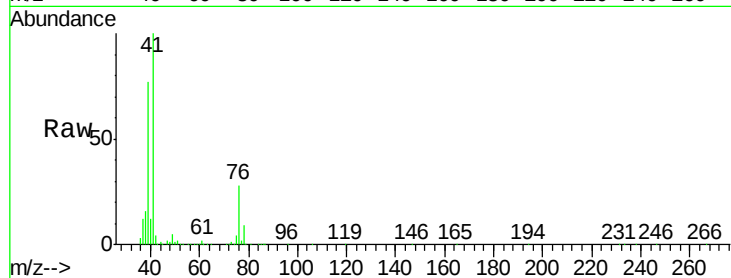
#21
Allvl Chloride
Concen: 9.346 ppbv
RT: 4.38 min Scan# 496
Delta R.T. -0.00 min
Lab File: VL034885.D
Acq: 16 Mar 2020 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
41	100		
76	28.7	22.2	33.2
39	78.2	62.6	93.8

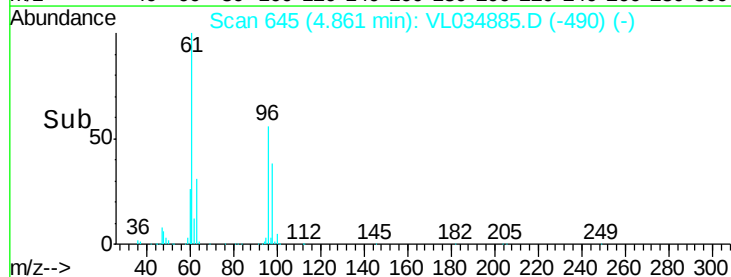
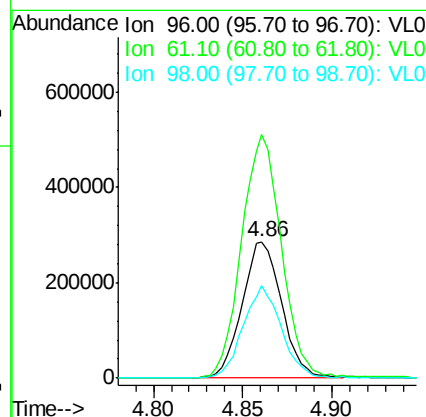
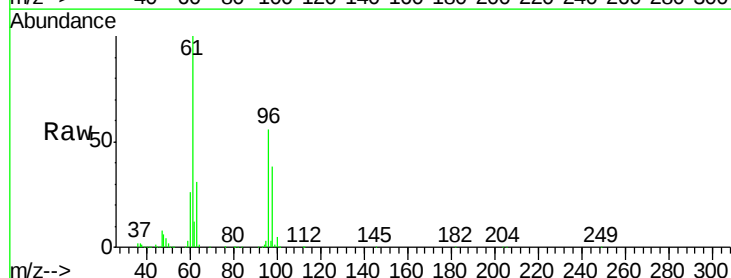
Manual Integrations
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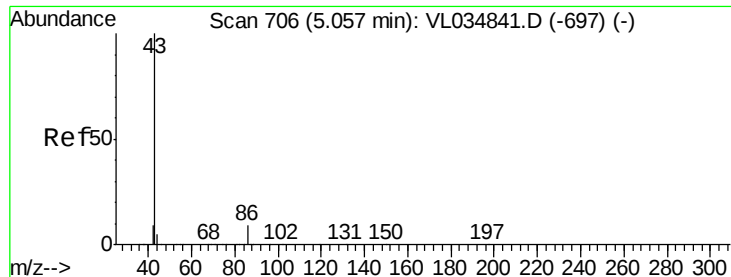
MMDadoda
3/17/2020 12:15:36 PM



#22
trans-1,2-Dichloroethene
Concen: 9.541 ppbv
RT: 4.86 min Scan# 645
Delta R.T. -0.00 min
Lab File: VL034885.D
Acq: 16 Mar 2020 10:17

Tgt Ion	Ratio	Lower	Upper
96	100		
61	178.9	139.0	208.6
98	68.1	50.3	75.5





#23

Vinyl Acetate

Concen: 9.241 ppbv

RT: 5.05 min Scan# 705

Delta R.T. -0.00 min

Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1779828

Ion Ratio Lower Upper

43 100

86 7.4 6.3 9.5

42 10.1 7.8 11.8

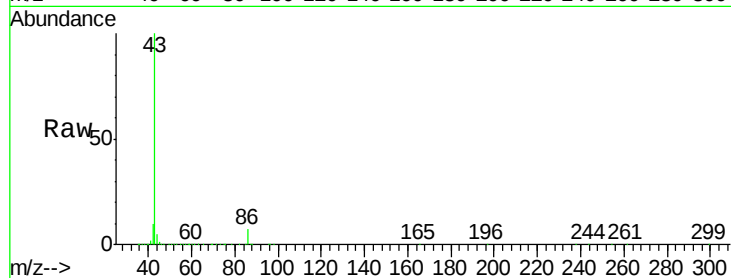
44 5.0 4.0 6.0

Manual Integrations

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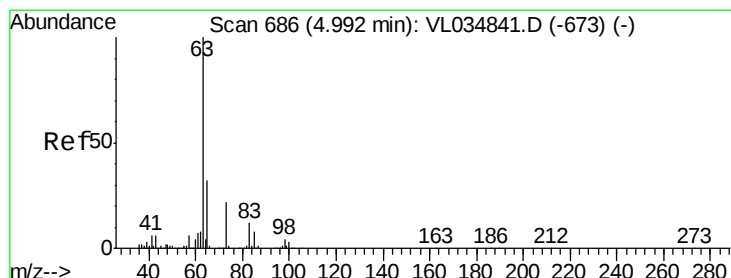
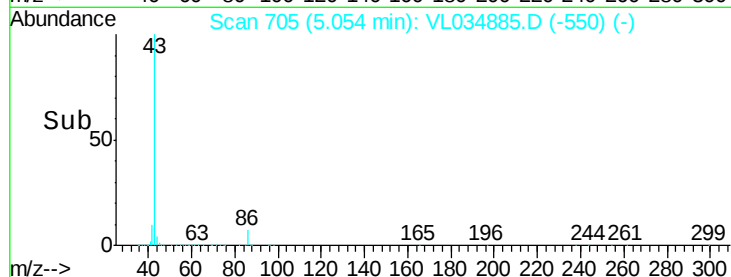
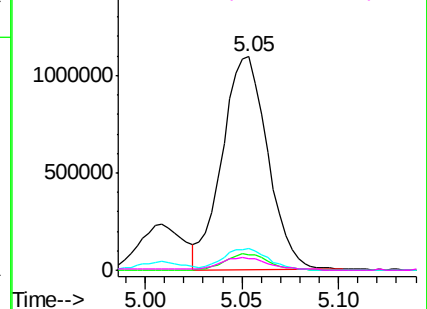


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.655 ppbv

RT: 4.99 min Scan# 685

Delta R.T. -0.00 min

Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

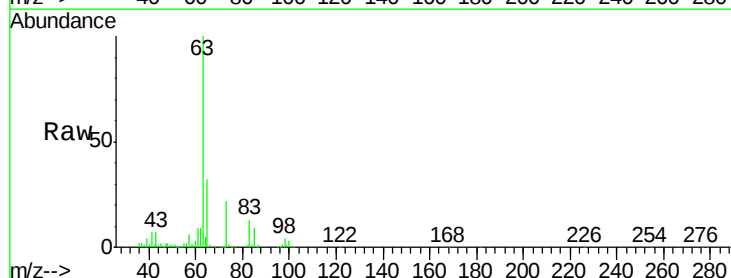
Tgt Ion: 63 Resp: 1246668

Ion Ratio Lower Upper

63 100

98 4.2 2.0 5.8

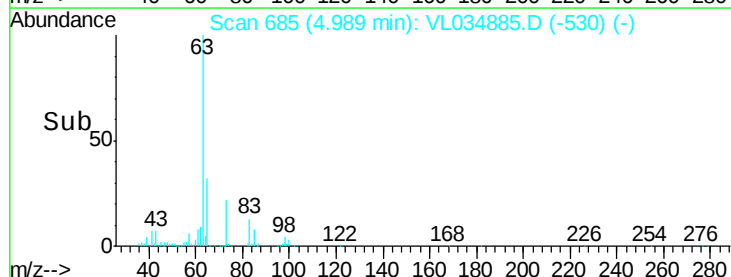
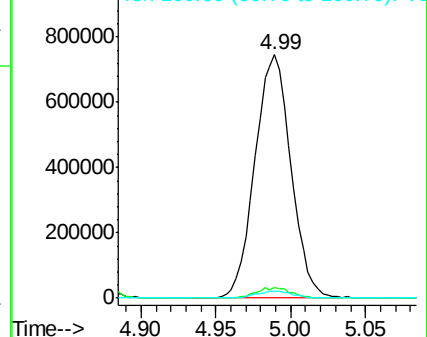
100 2.9 1.4 4.0

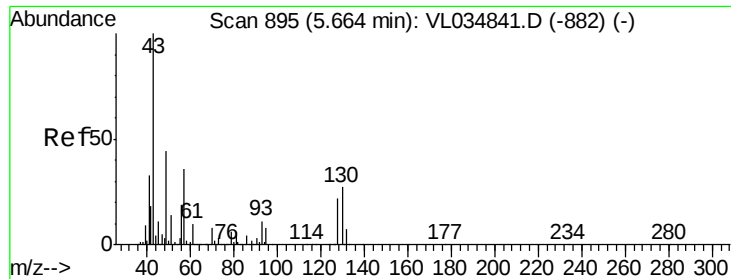


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





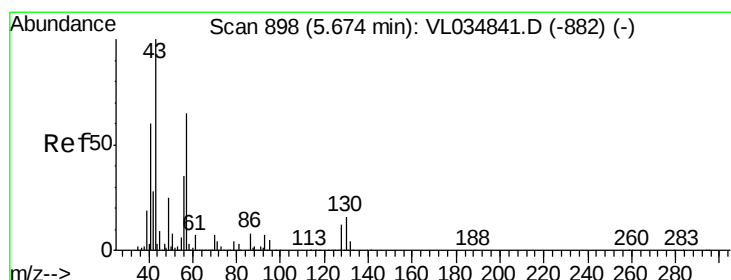
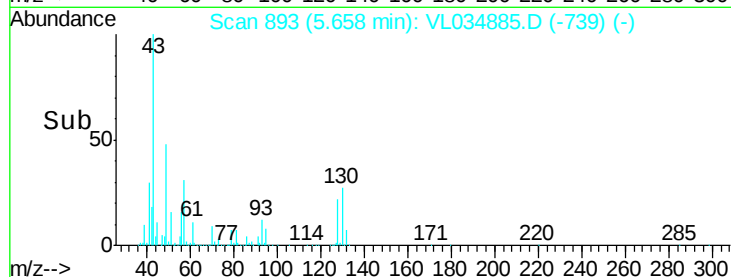
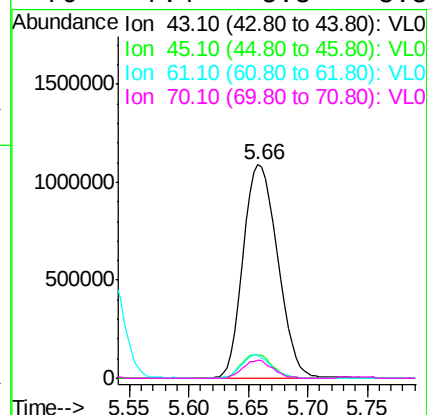
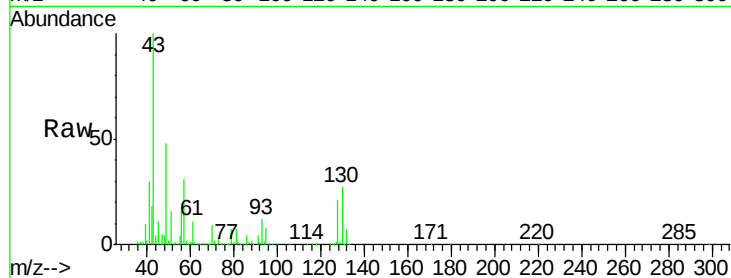
#25
Ethyl Acetate
Concen: 9.458 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.01 min
Lab File: VL034885.D
Acq: 16 Mar 2020 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:	43	Resp:	2197073
Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.2	12.2
61	9.4	7.8	11.6
70	7.4	5.8	8.8

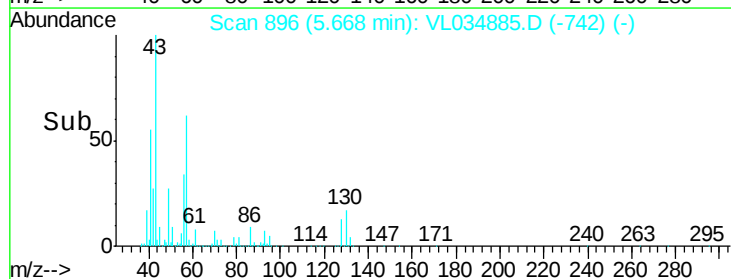
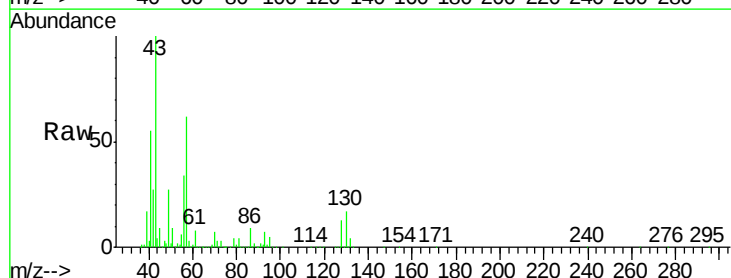
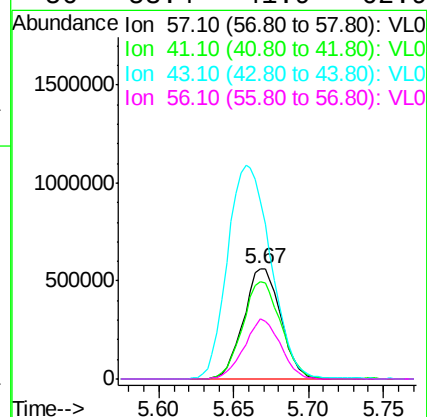
Manual Integrations
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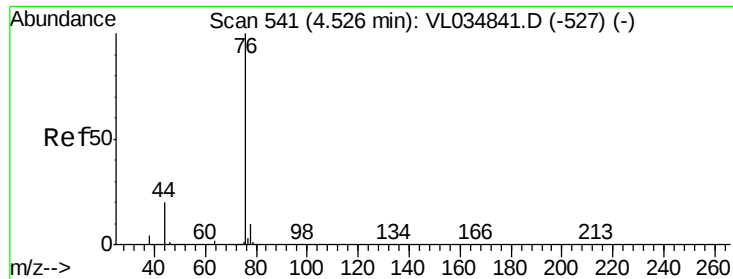
MMDadoda
3/17/2020 12:15:36 PM



#26
Hexane
Concen: 9.718 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.01 min
Lab File: VL034885.D
Acq: 16 Mar 2020 10:17

Tgt Ion:	57	Resp:	972080
Ion	Ratio	Lower	Upper
57	100		
41	91.4	72.6	109.0
43	226.3	183.8	275.6
56	53.4	41.9	62.9





#27

Carbon Disulfide

Concen: 10.319 ppbv

RT: 4.52 min Scan# 539

Delta R.T. -0.01 min

Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 76 Resp: 1171272

Ion Ratio Lower Upper

76 100

44 19.6 16.2 24.2

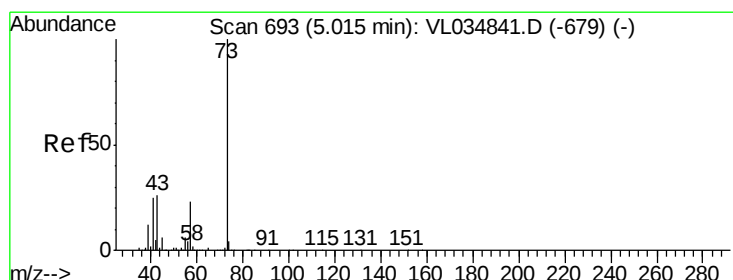
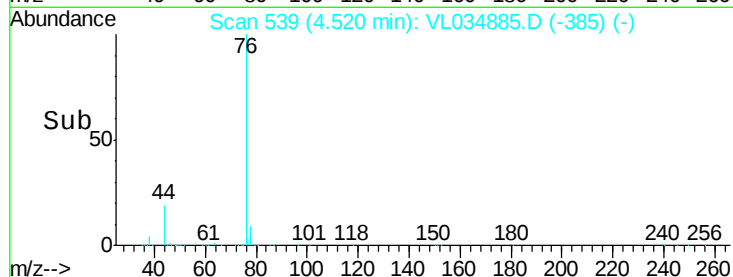
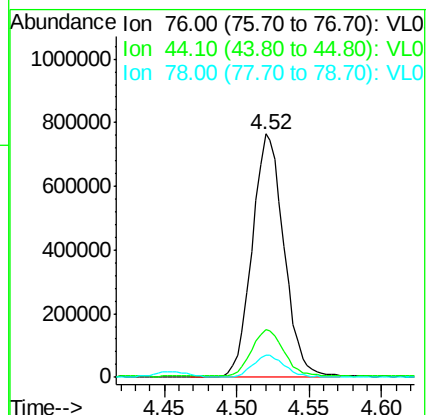
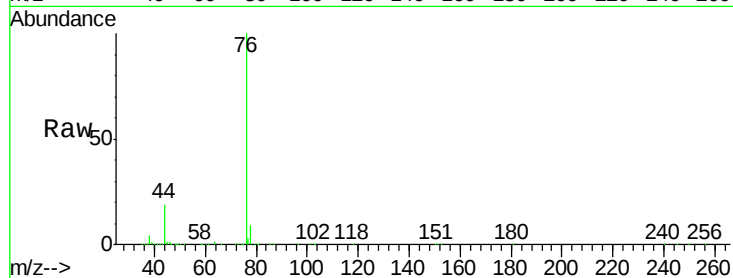
78 9.3 7.8 11.6

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#28

Methyl tert-Butyl Ether

Concen: 9.061 ppbv

RT: 5.01 min Scan# 692

Delta R.T. -0.00 min

Lab File: VL034885.D

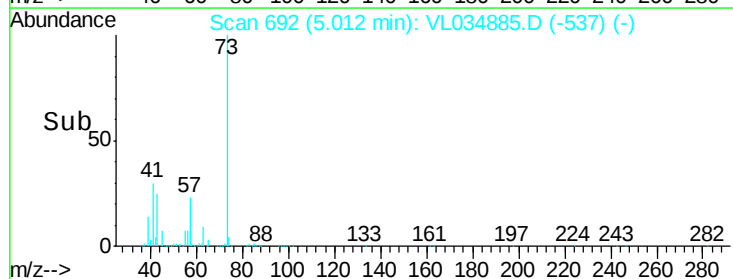
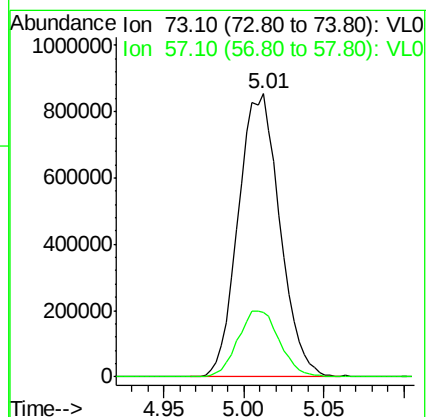
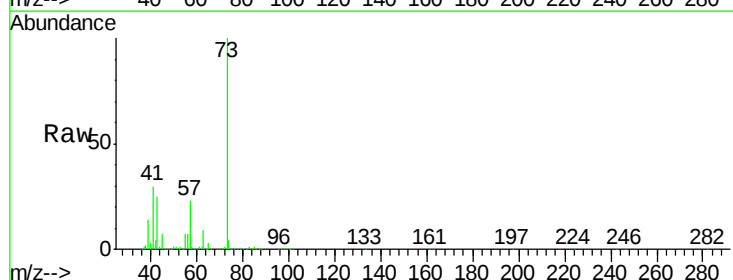
Acq: 16 Mar 2020 10:17

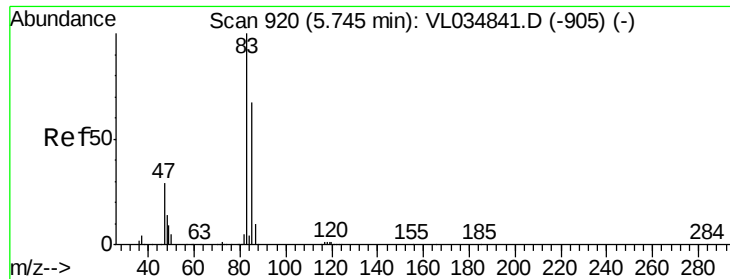
Tgt Ion: 73 Resp: 1507952

Ion Ratio Lower Upper

73 100

57 23.6 18.3 27.5





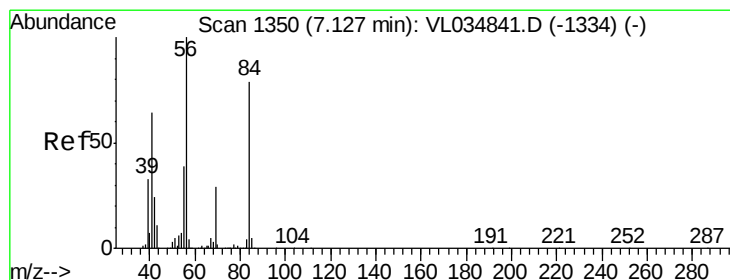
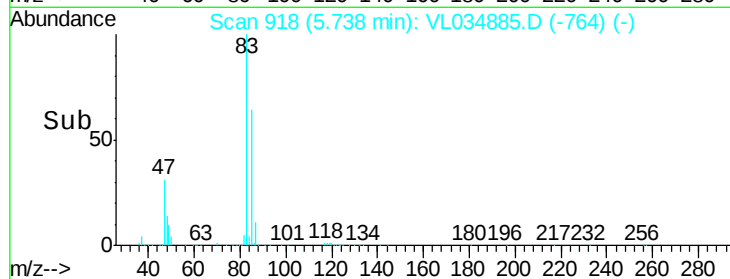
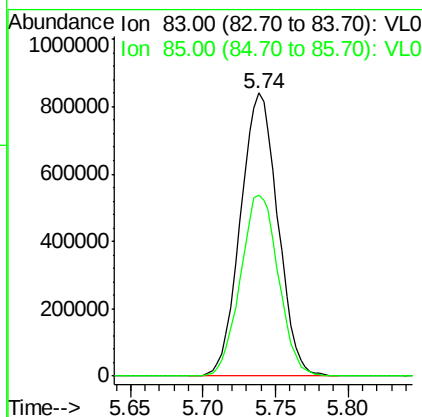
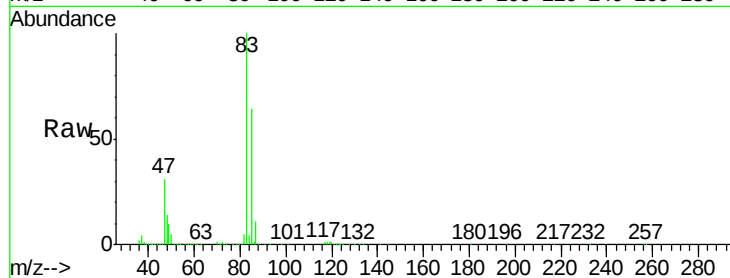
#29
Chloroform
Concen: 9.871 ppbv
RT: 5.74 min Scan# 918
Delta R.T. -0.01 min
Lab File: VL034885.D
Acq: 16 Mar 2020 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 83 Resp: 1506583
Ion Ratio Lower Upper
83 100
85 63.7 53.8 80.6

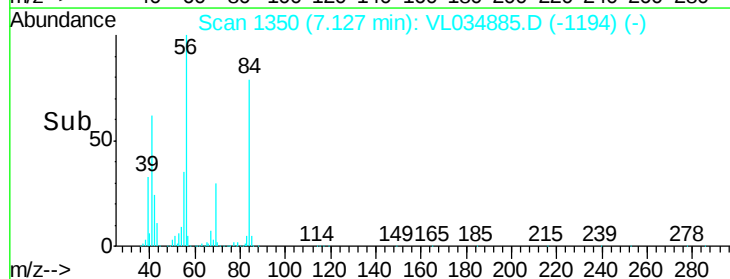
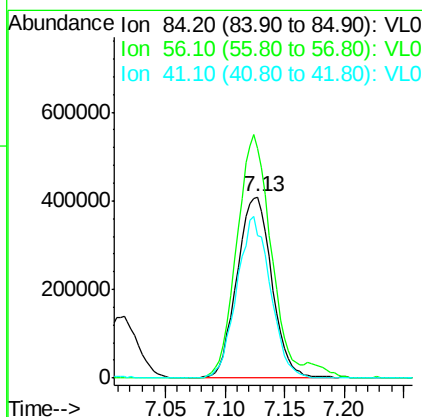
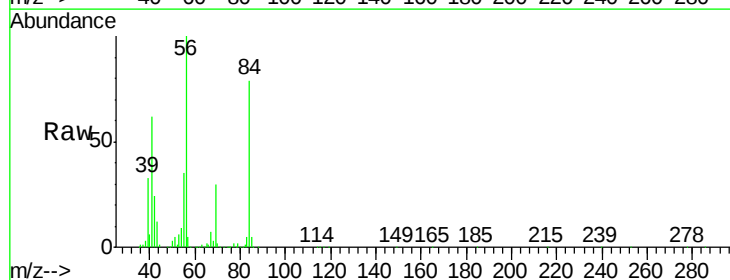
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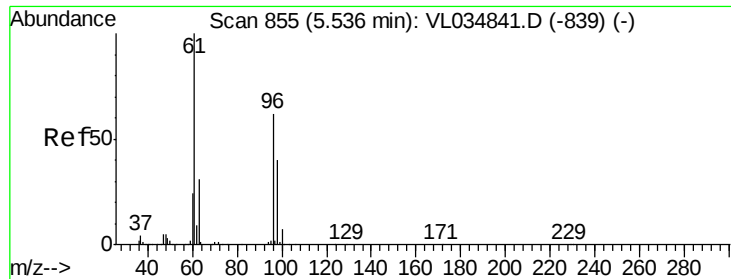
MMDadoda
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#30
Cyclohexane
Concen: 9.930 ppbv
RT: 7.13 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VL034885.D
Acq: 16 Mar 2020 10:17

Tgt Ion: 84 Resp: 828728
Ion Ratio Lower Upper
84 100
56 136.6 110.5 165.7
41 85.8 68.2 102.4





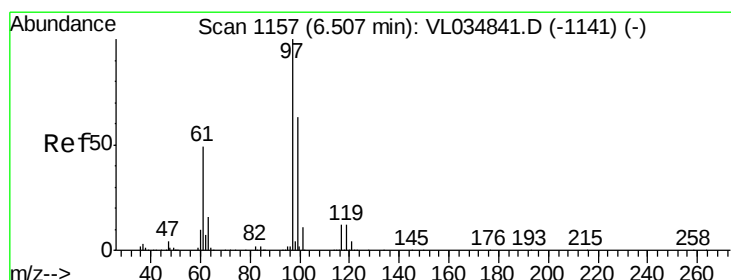
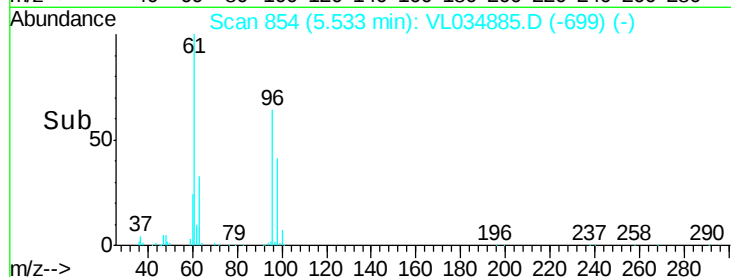
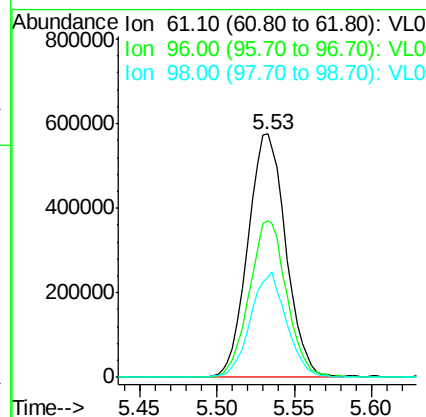
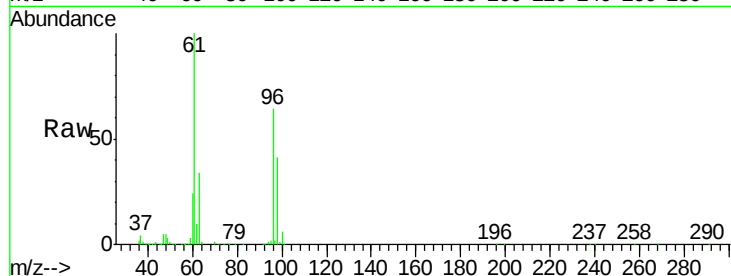
#31
 cis-1,2-Dichloroethene
 Concen: 9.623 ppbv
 RT: 5.53 min Scan# 854
 Delta R.T. -0.00 min
 Lab File: VL034885.D
 Acq: 16 Mar 2020 10:17

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
61	100		
96	64.3	49.8	74.8
98	41.1	32.2	48.4

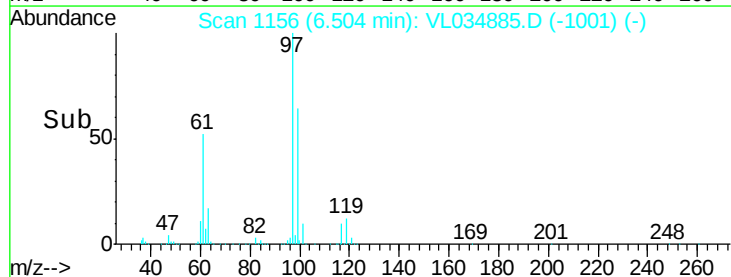
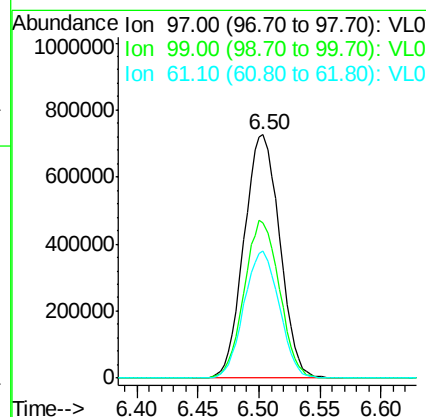
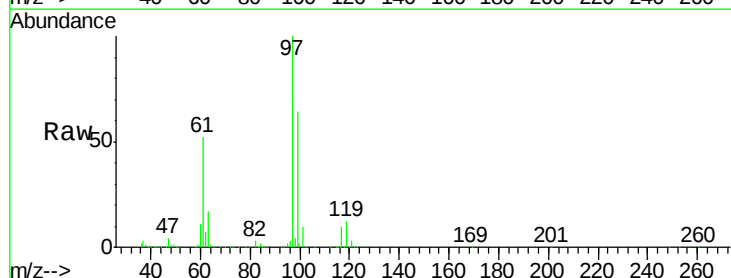
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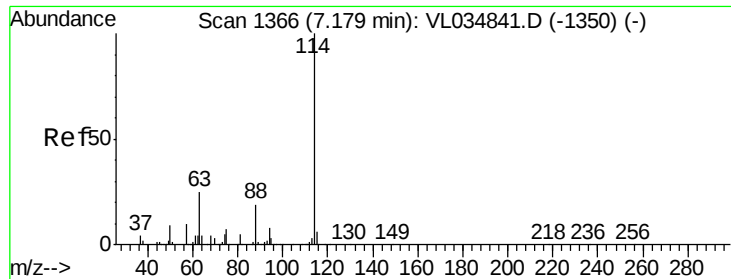
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#32
 1,1,1-Trichloroethane
 Concen: 9.866 ppbv
 RT: 6.50 min Scan# 1156
 Delta R.T. -0.00 min
 Lab File: VL034885.D
 Acq: 16 Mar 2020 10:17

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.1	76.7
61	51.7	39.7	59.5





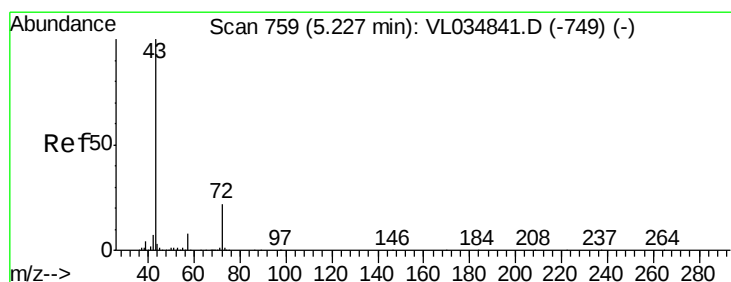
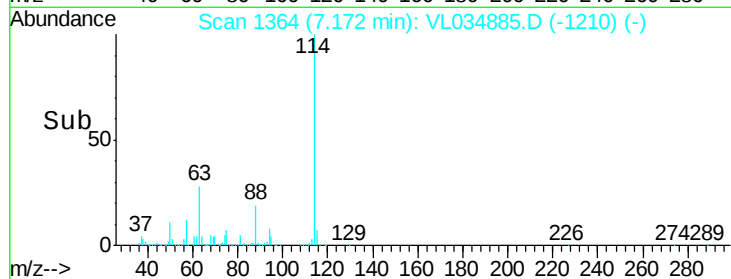
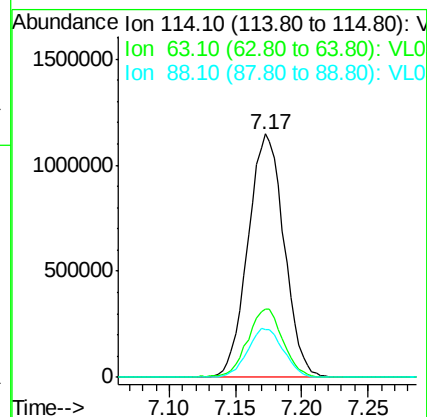
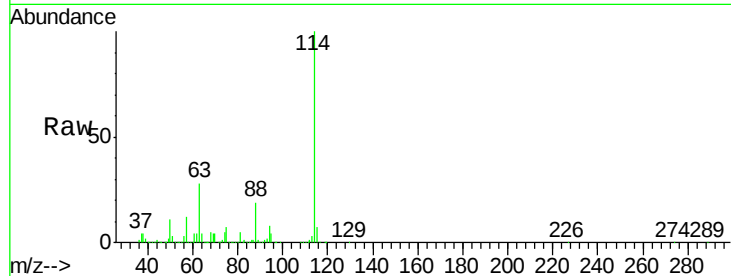
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VL034885.D
 Acq: 16 Mar 2020 10:17

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
114	100		
63	28.0	20.6	31.0
88	19.9	15.0	22.6

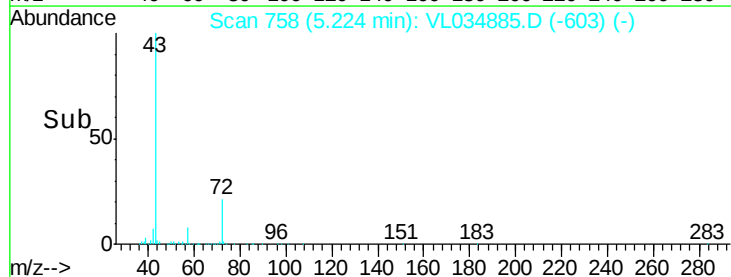
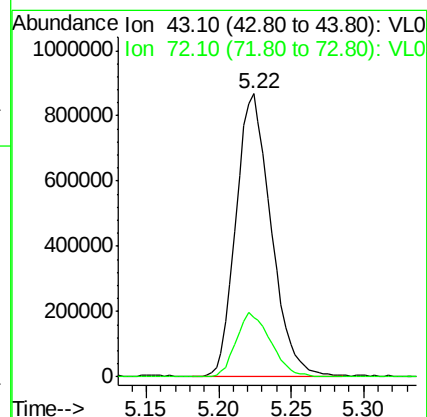
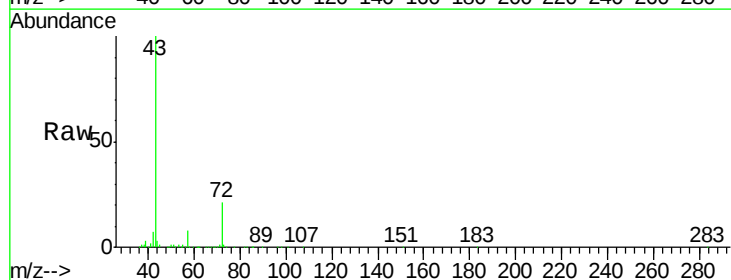
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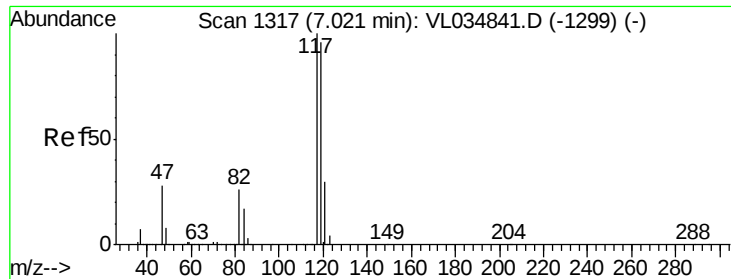
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#34
 2-Butanone
 Concen: 10.107 ppbv
 RT: 5.22 min Scan# 758
 Delta R.T. -0.00 min
 Lab File: VL034885.D
 Acq: 16 Mar 2020 10:17

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.6	17.6	26.4





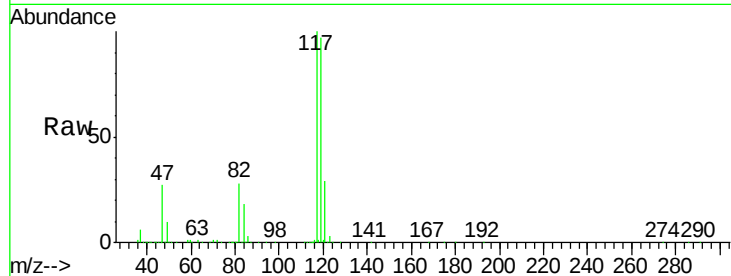
#35
Carbon Tetrachloride
Concen: 11.129 ppbv
RT: 7.01 min Scan# 1314
Delta R.T. -0.01 min
Lab File: VL034885.D
Acq: 16 Mar 2020 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

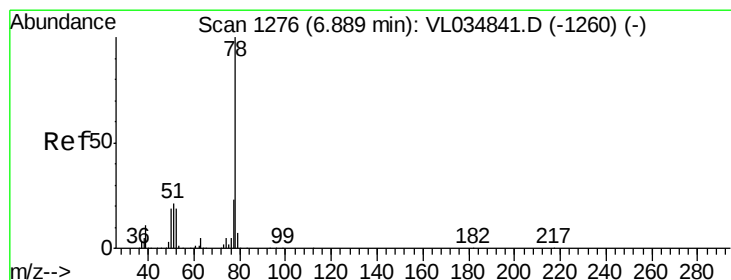
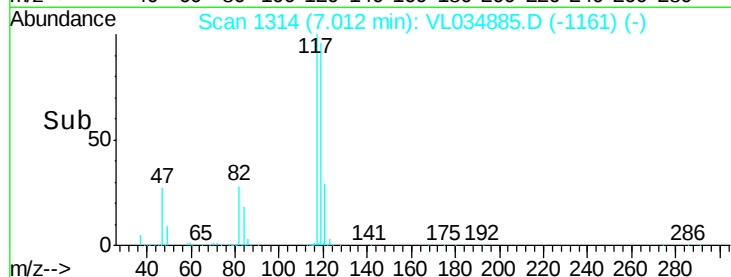
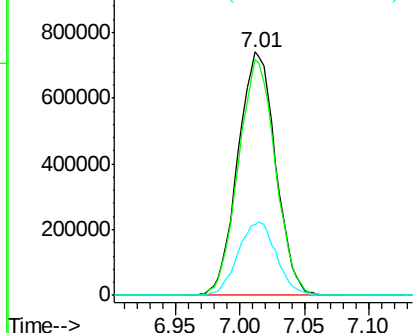
Tot Ion:117 Resp: 1505886
Ion Ratio Lower Upper
117 100
119 96.9 77.0 115.4
121 28.9 24.0 36.0

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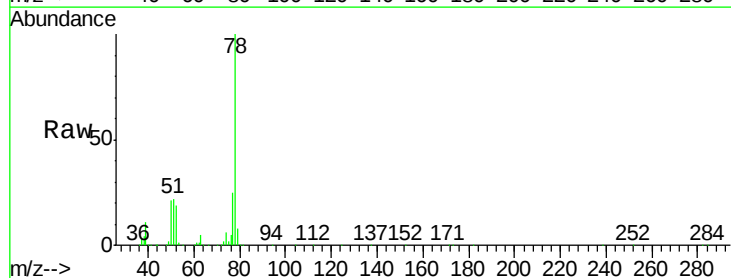


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

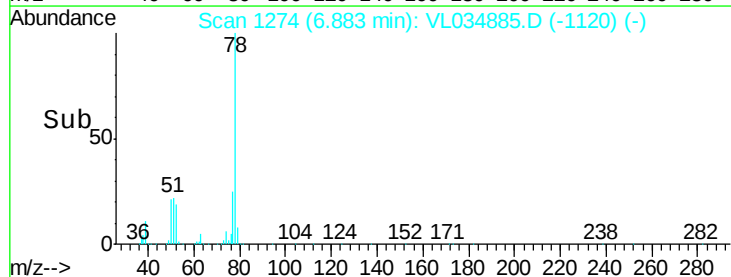
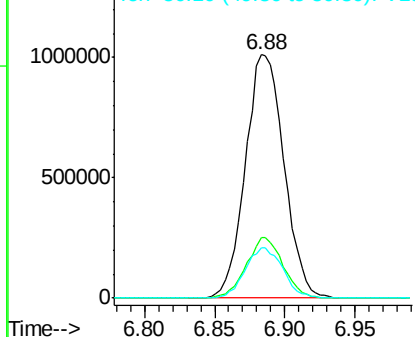


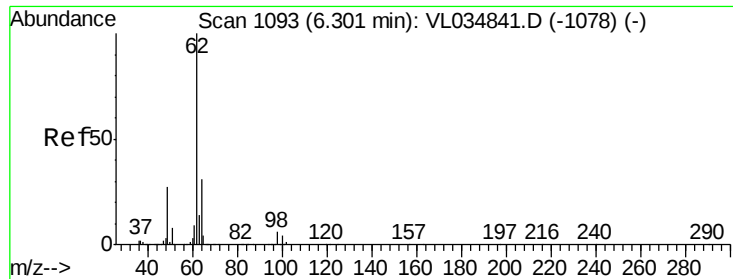
#36
Benzene
Concen: 10.014 ppbv
RT: 6.88 min Scan# 1274
Delta R.T. -0.01 min
Lab File: VL034885.D
Acq: 16 Mar 2020 10:17

Tgt Ion: 78 Resp: 1941953
Ion Ratio Lower Upper
78 100
77 24.9 18.2 27.2
50 20.7 15.2 22.8



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





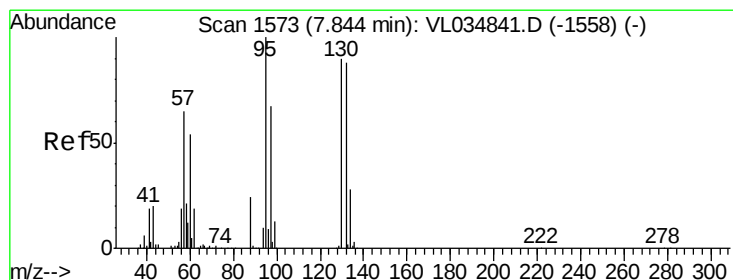
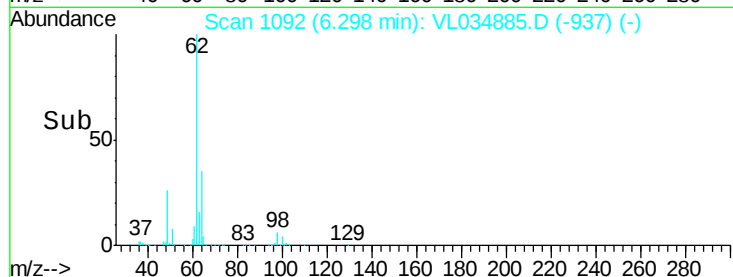
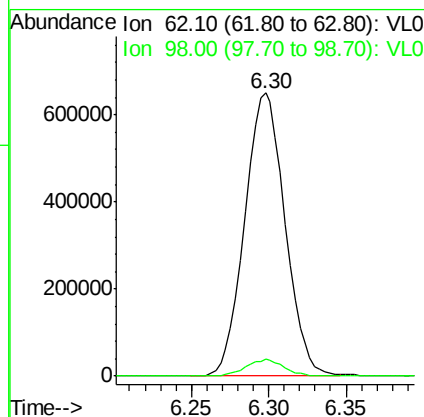
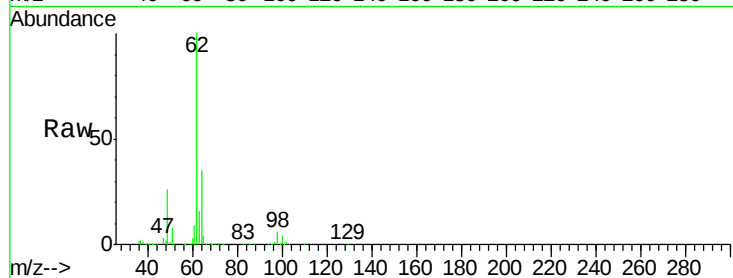
#37
 1,2-Dichloroethane
 Concen: 10.770 ppbv
 RT: 6.30 min Scan# 1092
 Delta R.T. -0.00 min
 Lab File: VL034885.D
 Acq: 16 Mar 2020 10:17

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 62 Resp: 1177640
 Ion Ratio Lower Upper
 62 100
 98 5.8 5.2 7.8

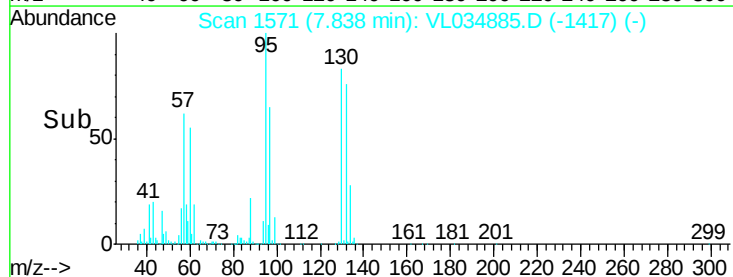
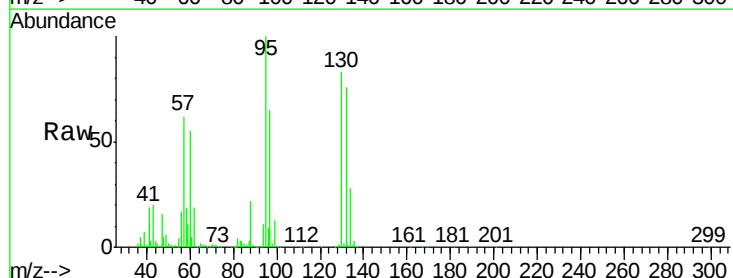
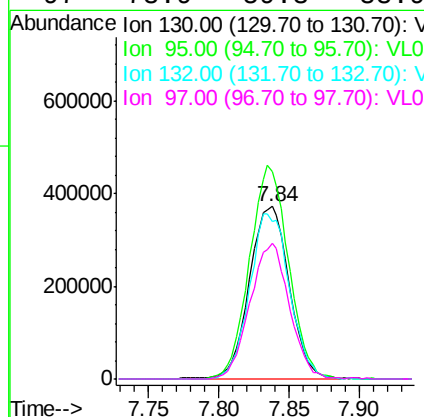
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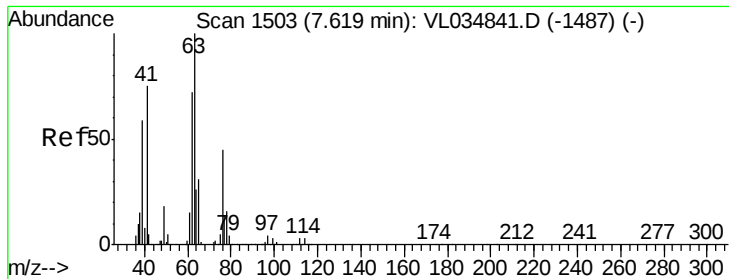
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#38
 Trichloroethene
 Concen: 9.910 ppbv
 RT: 7.84 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: VL034885.D
 Acq: 16 Mar 2020 10:17

Tgt Ion: 130 Resp: 729861
 Ion Ratio Lower Upper
 130 100
 95 120.9 88.5 132.7
 132 91.4 78.0 117.0
 97 78.9 59.3 88.9





#39

1,2-Dichloropropane

Concen: 10.087 ppbv

RT: 7.61 min Scan# 1501

Delta R.T. -0.01 min

Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

Instrument :

MSVOA_L

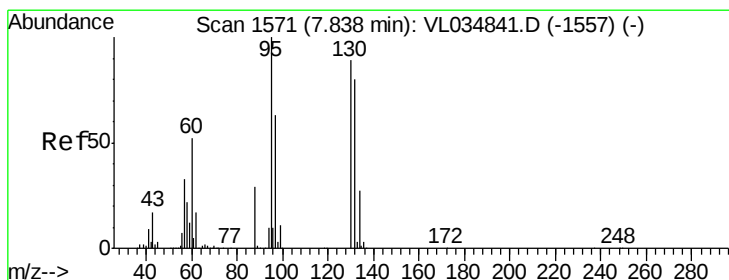
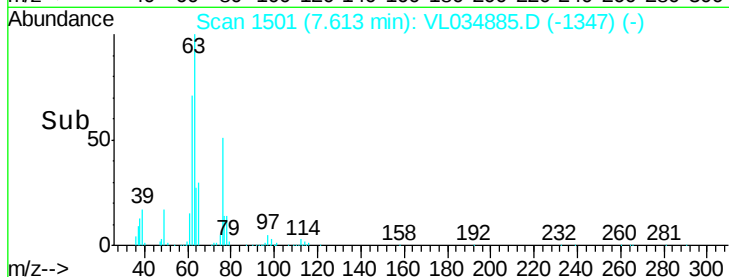
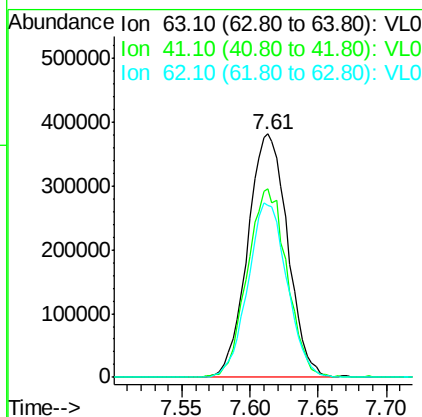
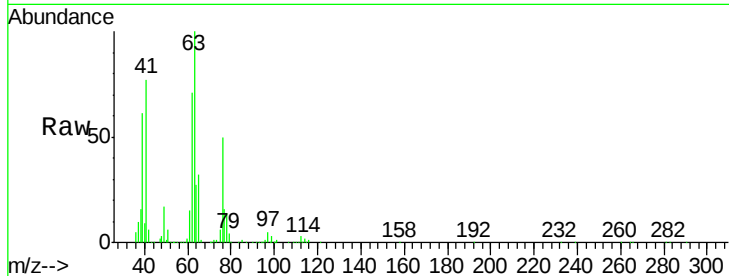
ClientSampleId :

VSTDCCC010

Tot Ion:	63	Resp:	774993
Ion Ratio	Lower	Upper	
63	100		
41	77.1	59.8	89.8
62	70.6	57.6	86.4

Manual Integrations
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#40

1,4-Dioxane

Concen: 8.782 ppbv

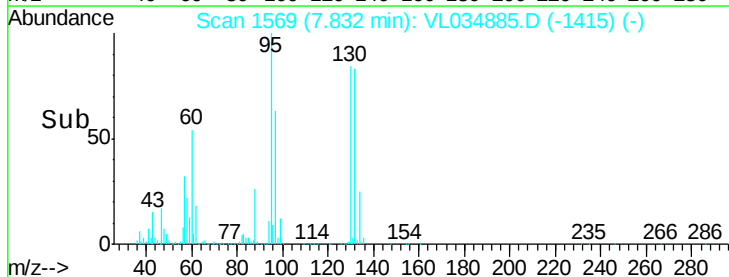
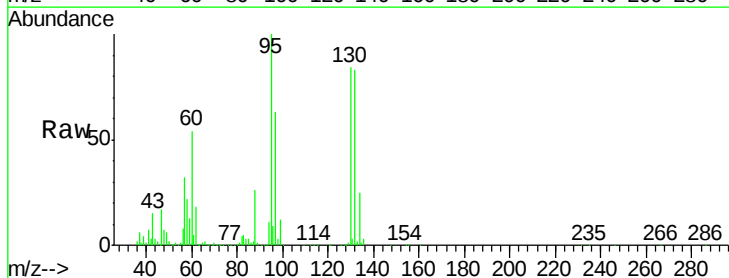
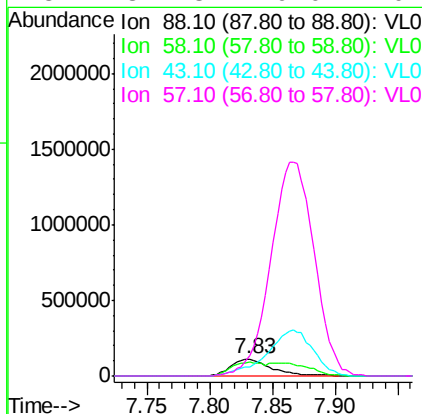
RT: 7.83 min Scan# 1569

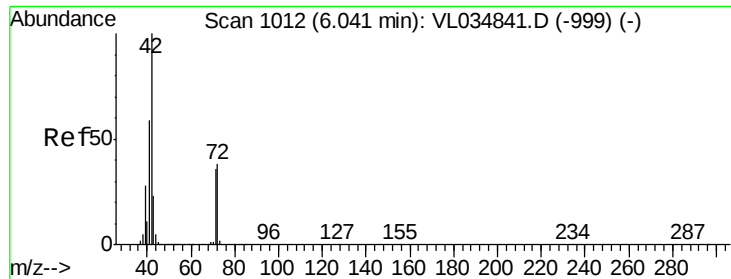
Delta R.T. -0.01 min

Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

Tgt Ion:	88	Resp:	254818
Ion Ratio	Lower	Upper	
88	100		
58	140.9	103.9	155.9
43	307.2	0.0	0.0#
57	1341.3	0.0	0.0#





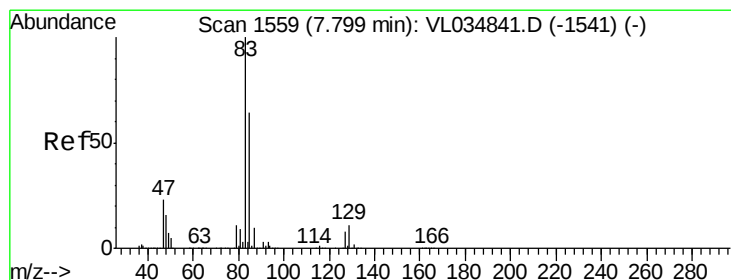
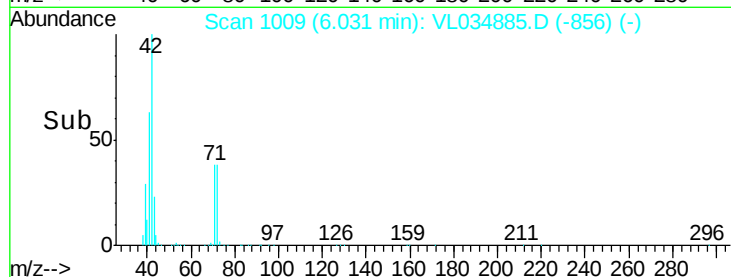
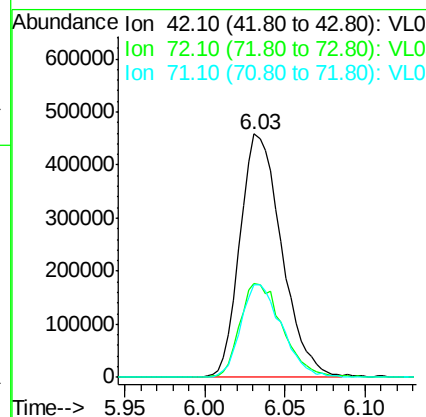
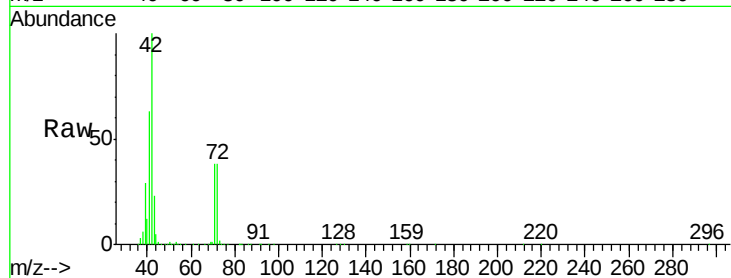
#41
Tetrahydrofuran
Concen: 10.396 ppbv
RT: 6.03 min Scan# 1009
Delta R.T. -0.01 min
Lab File: VL034885.D
Acq: 16 Mar 2020 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.6	30.8	46.2
71	37.9	30.1	45.1

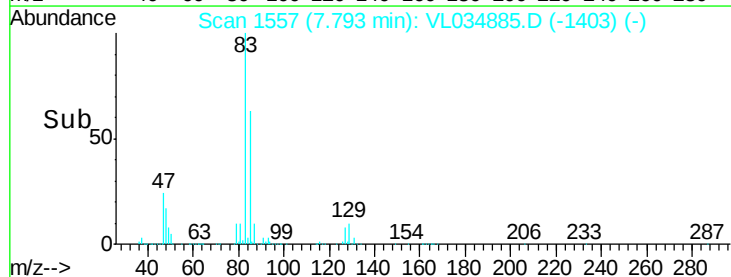
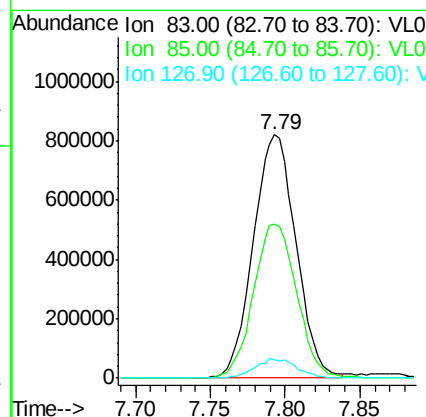
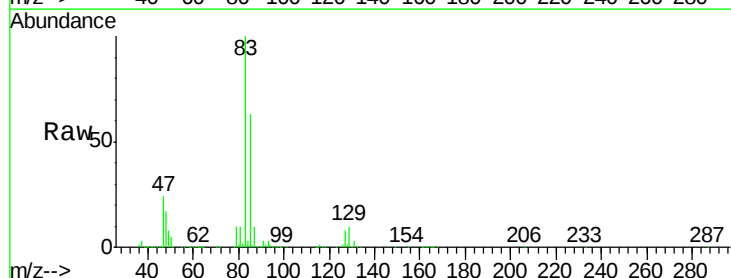
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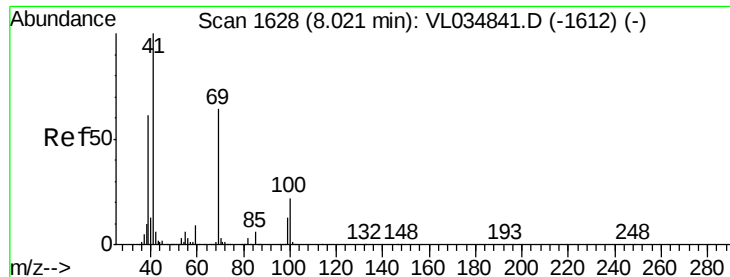
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#42
Bromodichloromethane
Concen: 10.910 ppbv
RT: 7.79 min Scan# 1557
Delta R.T. -0.01 min
Lab File: VL034885.D
Acq: 16 Mar 2020 10:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.4	77.2
127	7.7	6.2	9.4





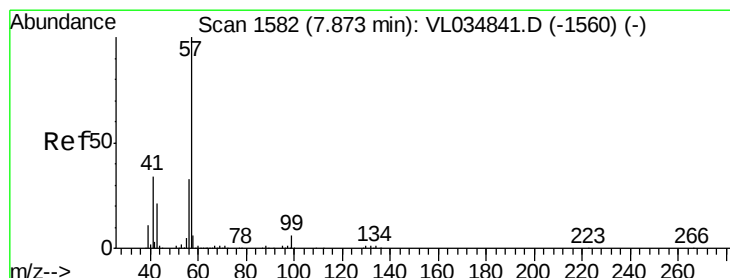
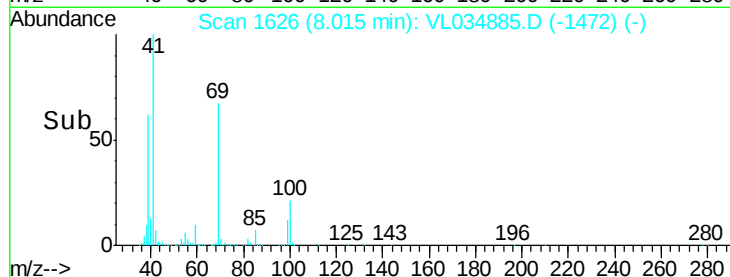
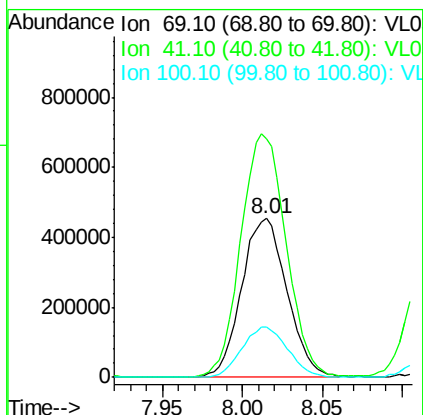
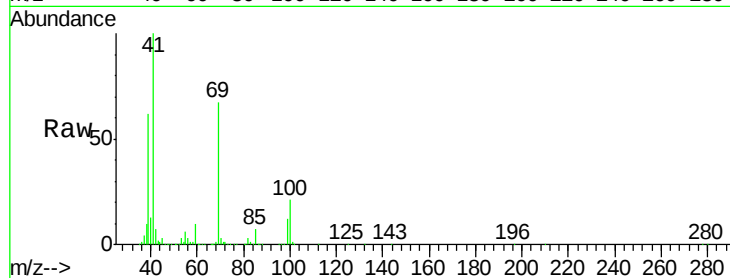
#43
Methvl Methacrvlate
Concen: 10.753 ppbv
RT: 8.01 min Scan# 1626
Delta R.T. -0.01 min
Lab File: VL034885.D
Acq: 16 Mar 2020 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	153.1	123.2	184.8	
100	32.2	26.9	40.3	

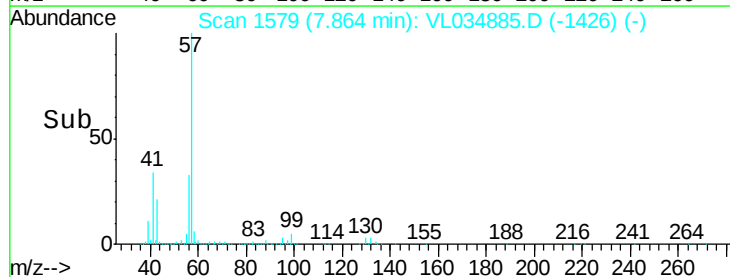
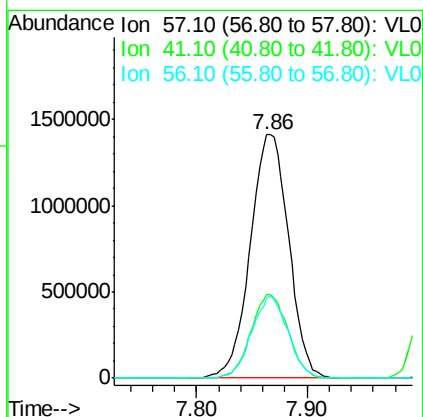
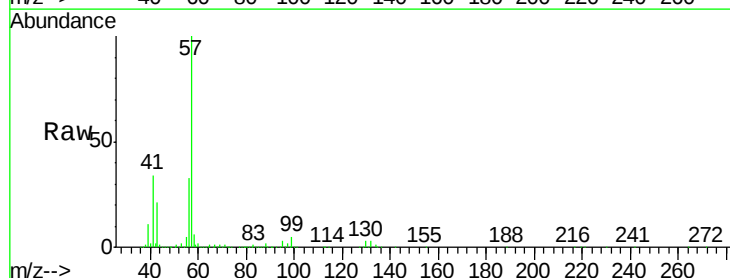
Manual Integrations
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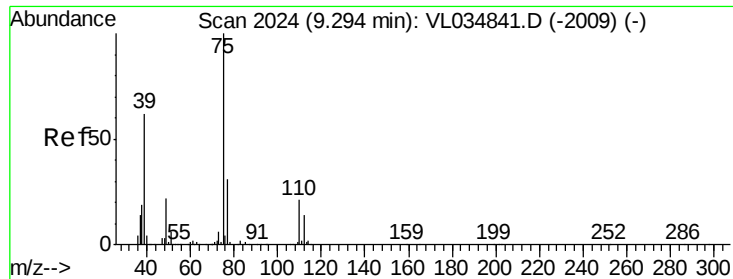
MMDadoda
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#44
2,2,4-Trimethylpentane
Concen: 10.412 ppbv
RT: 7.86 min Scan# 1579
Delta R.T. -0.01 min
Lab File: VL034885.D
Acq: 16 Mar 2020 10:17

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	33.2	26.2	39.4	
56	31.7	25.0	37.4	





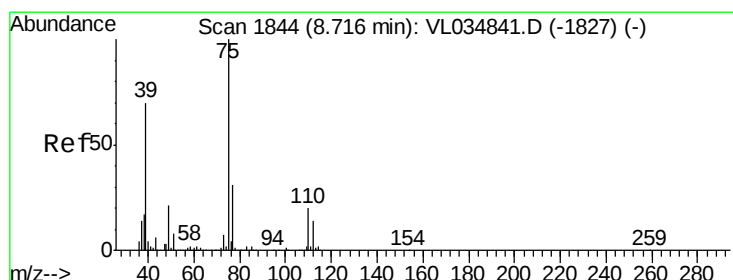
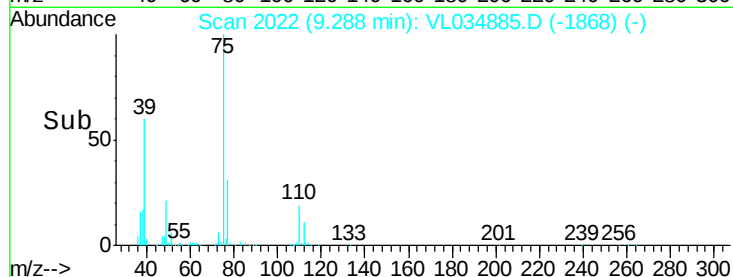
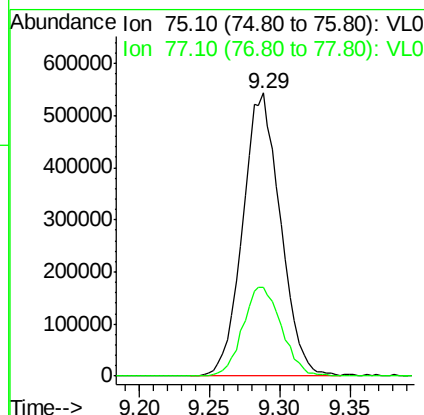
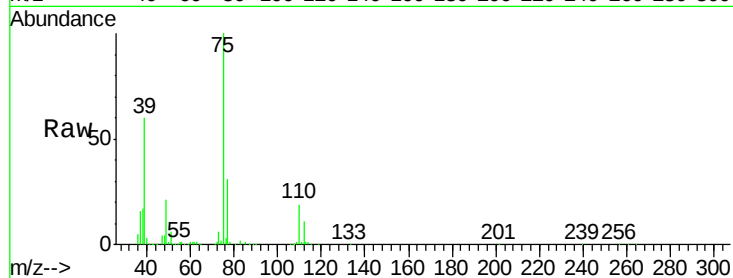
#45
t-1,3-Dichloropropene
Concen: 10.631 ppbv
RT: 9.29 min Scan# 2022
Delta R.T. -0.01 min
Lab File: VL034885.D
Acq: 16 Mar 2020 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 75 Resp: 1020423
Ion Ratio Lower Upper
75 100
77 31.2 24.6 37.0

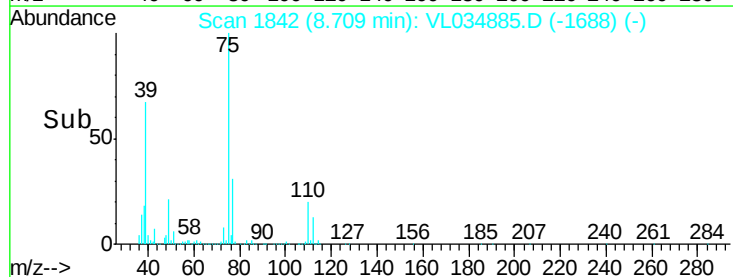
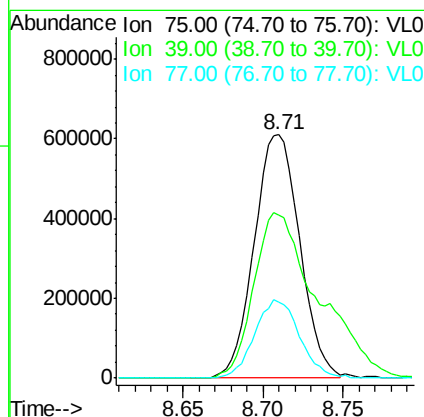
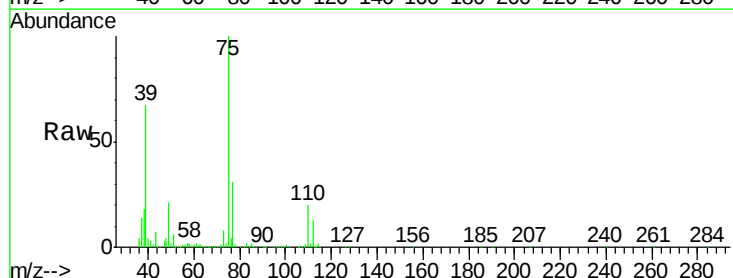
Manual Integrations
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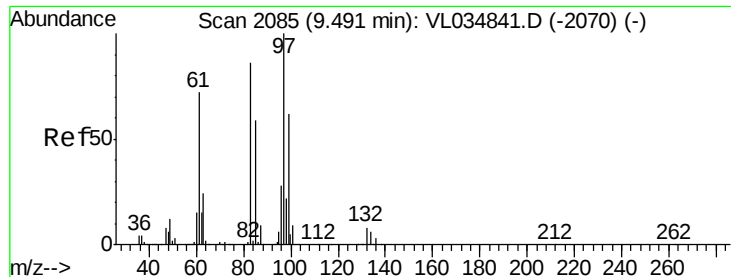
MMDadoda
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#46
cis-1,3-Dichloropropene
Concen: 10.482 ppbv
RT: 8.71 min Scan# 1842
Delta R.T. -0.01 min
Lab File: VL034885.D
Acq: 16 Mar 2020 10:17

Tgt Ion: 75 Resp: 1195538
Ion Ratio Lower Upper
75 100
39 67.2 55.7 83.5
77 31.1 24.7 37.1





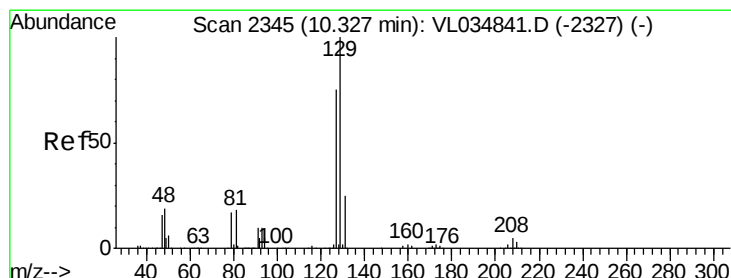
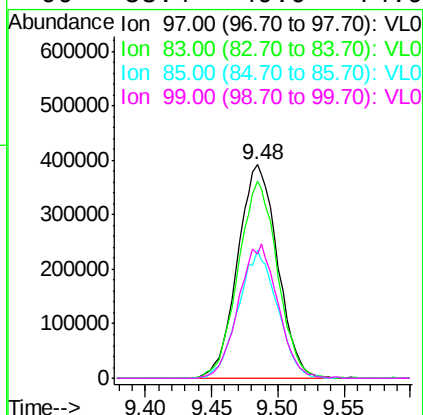
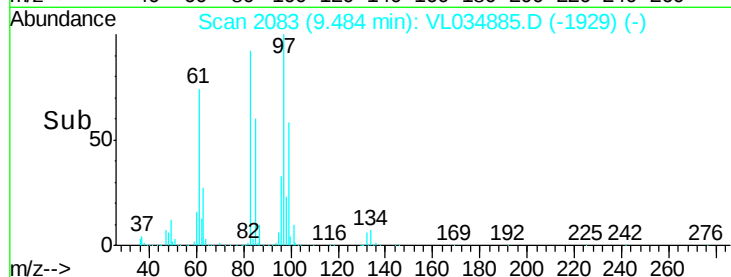
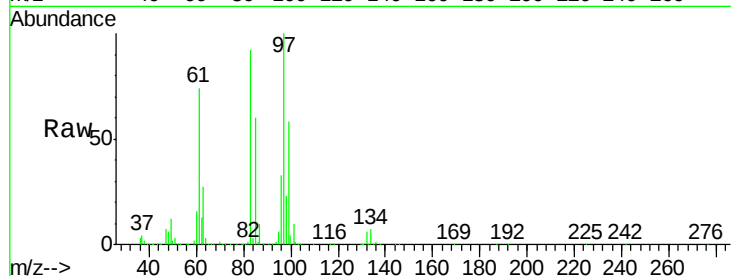
#47
 1,1,2-Trichloroethane
 Concen: 10.406 ppbv
 RT: 9.48 min Scan# 2083
 Delta R.T. -0.01 min
 Lab File: VL034885.D
 Acq: 16 Mar 2020 10:17

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:	97	Resp:	820456
Ion Ratio	Lower	Upper	
97	100		
83	92.4	68.6	102.8
85	59.7	46.9	70.3
99	58.4	49.9	74.9

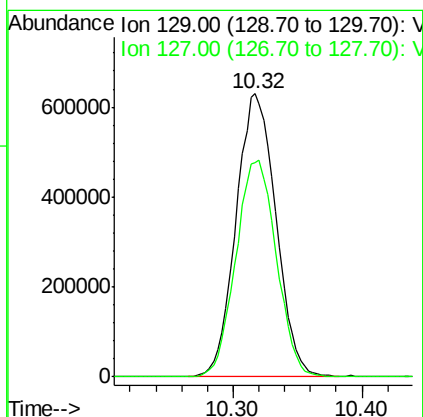
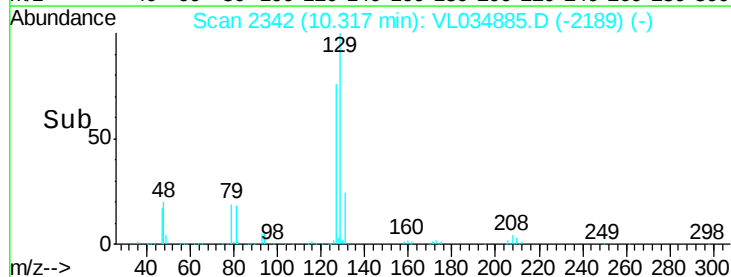
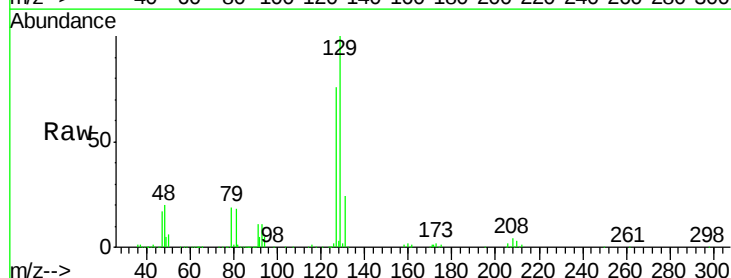
Manual Integrations
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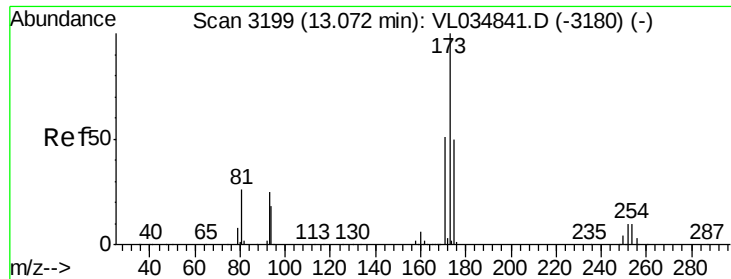
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#48
 Dibromochloromethane
 Concen: 10.636 ppbv
 RT: 10.32 min Scan# 2342
 Delta R.T. -0.01 min
 Lab File: VL034885.D
 Acq: 16 Mar 2020 10:17

Tgt Ion:	129	Resp:	1358151
Ion Ratio	Lower	Upper	
129	100		
127	77.6	39.6	118.7





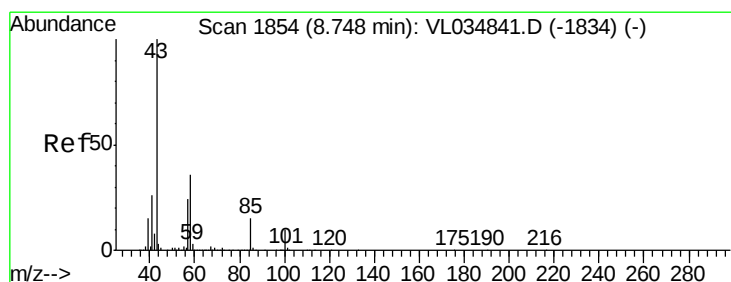
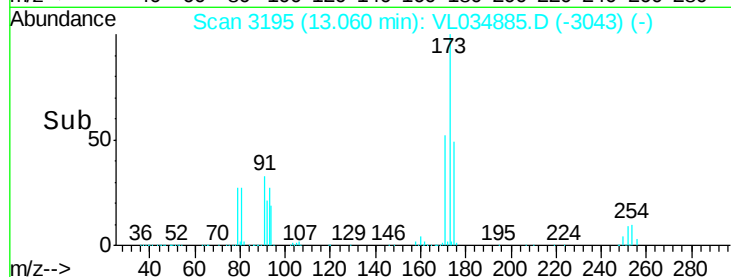
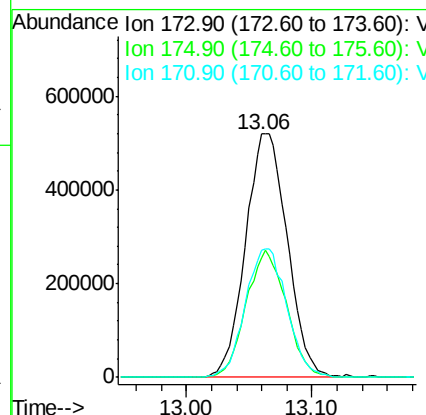
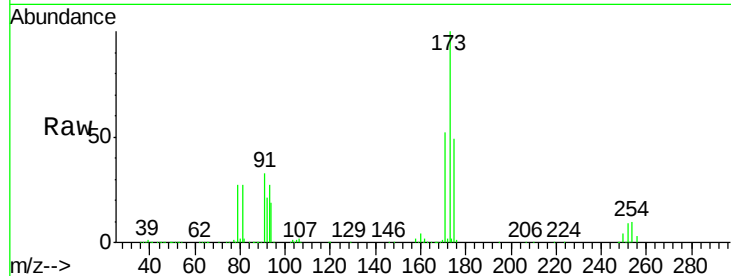
#49
Bromoform
Concen: 10.558 ppbv
RT: 13.06 min Scan# 3195
Delta R.T. -0.01 min
Lab File: VL034885.D
Acq: 16 Mar 2020 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:173 Resp: 1202012
Ion Ratio Lower Upper
173 100
175 50.4 39.6 59.4
171 52.8 41.0 61.6

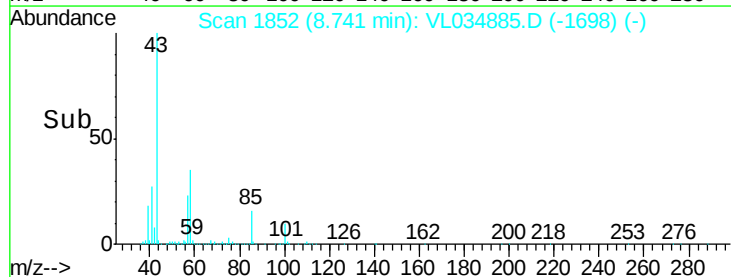
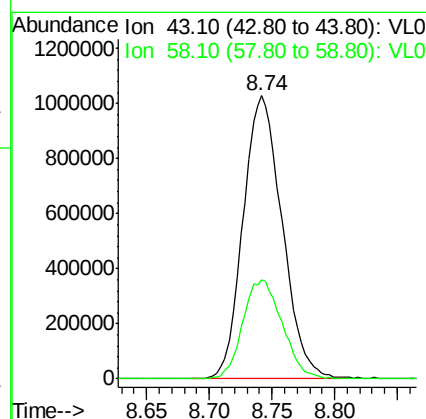
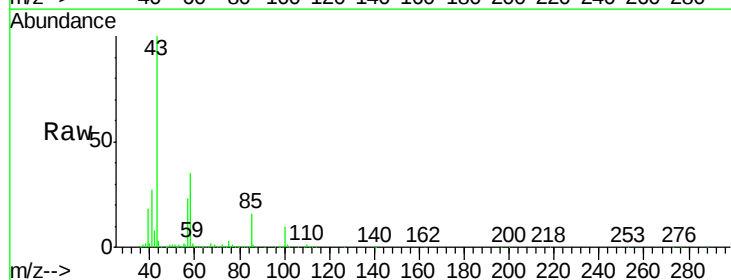
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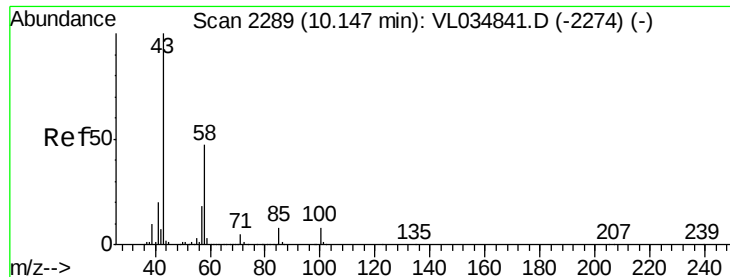
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#50
4-Methyl-2-Pentanone
Concen: 10.676 ppbv
RT: 8.74 min Scan# 1852
Delta R.T. -0.01 min
Lab File: VL034885.D
Acq: 16 Mar 2020 10:17

Tgt Ion: 43 Resp: 2221821
Ion Ratio Lower Upper
43 100
58 35.6 28.6 42.8





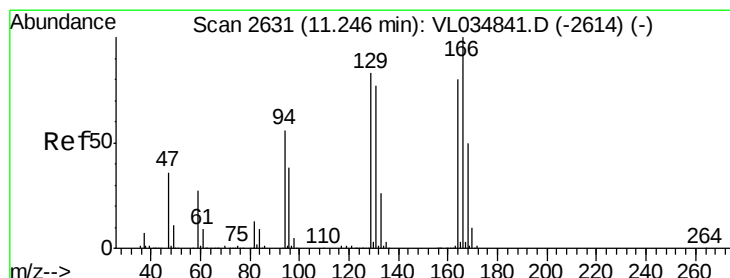
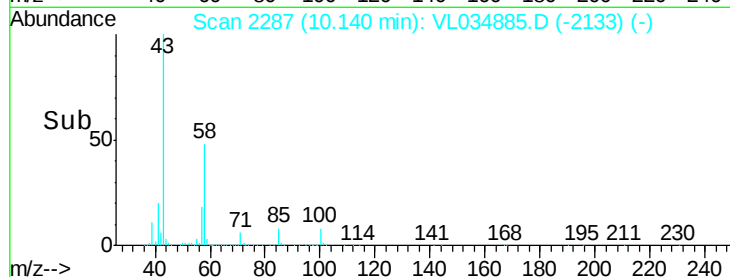
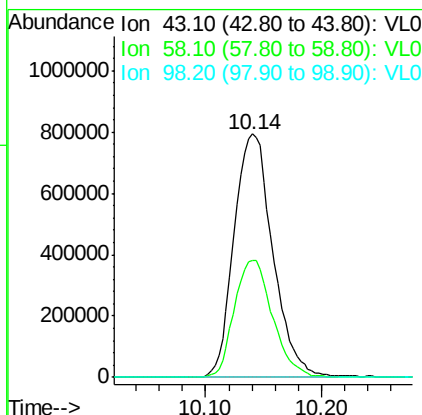
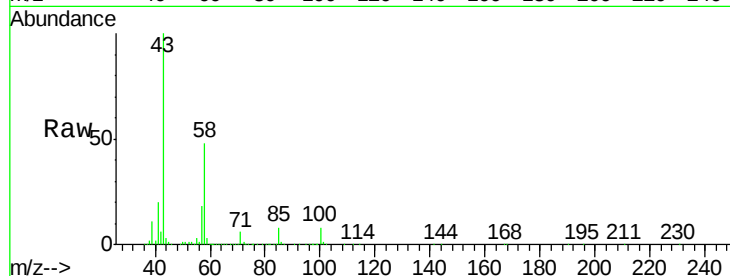
#51
2-Hexanone
Concen: 10.878 ppbv
RT: 10.14 min Scan# 2287
Delta R.T. -0.01 min
Lab File: VL034885.D
Acq: 16 Mar 2020 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 1839820
Ion Ratio Lower Upper
43 100
58 47.9 38.6 58.0
98 0.3 0.1 0.1#

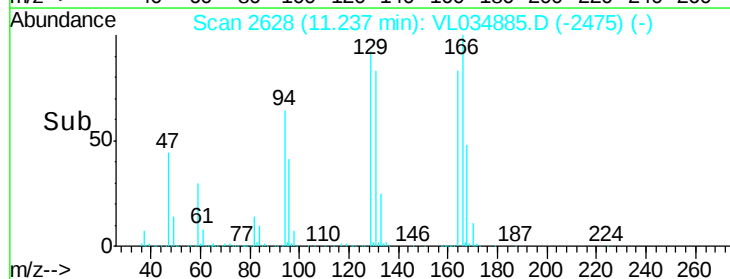
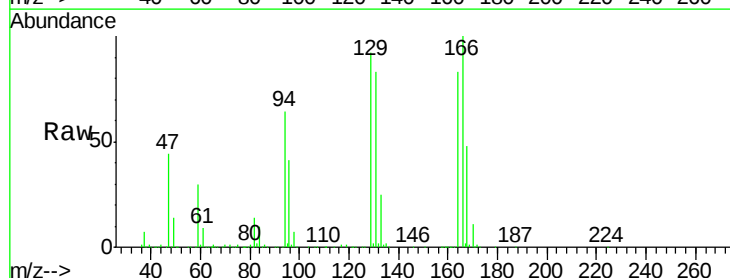
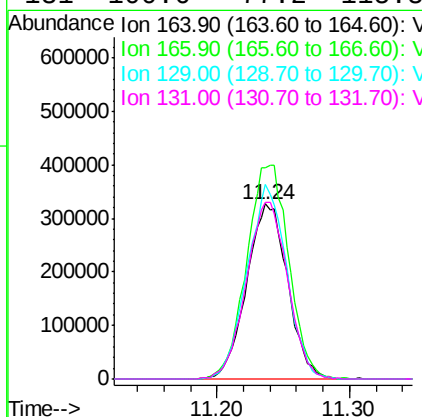
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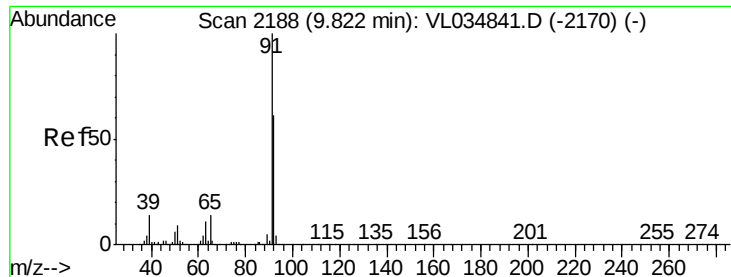
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#52
Tetrachloroethene
Concen: 9.165 ppbv
RT: 11.24 min Scan# 2628
Delta R.T. -0.01 min
Lab File: VL034885.D
Acq: 16 Mar 2020 10:17

Tgt Ion:164 Resp: 703141
Ion Ratio Lower Upper
164 100
166 121.1 100.0 150.0
129 111.2 83.1 124.7
131 100.6 77.2 115.8





#53

Toluene

Concen: 10.263 ppbv

RT: 9.82 min Scan# 2186

Delta R.T. -0.01 min

Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 2298300

Ion Ratio Lower Upper

91 100

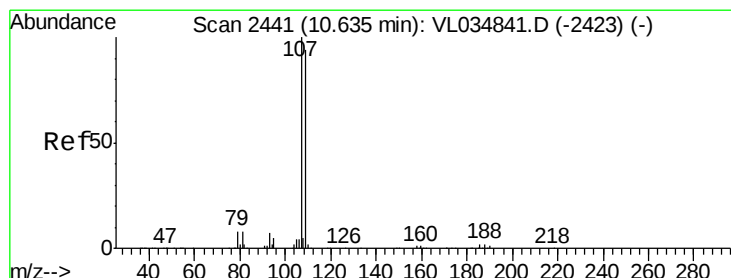
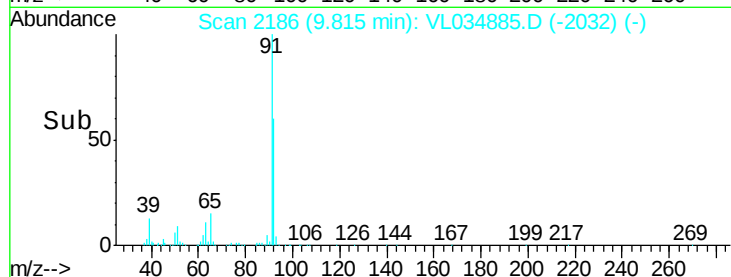
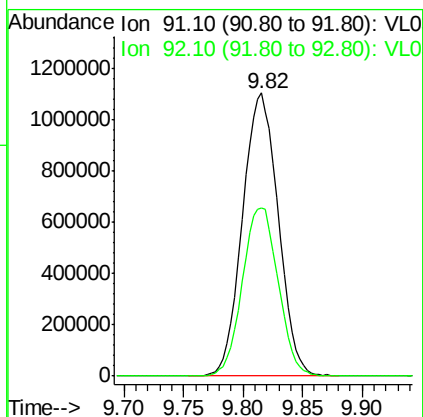
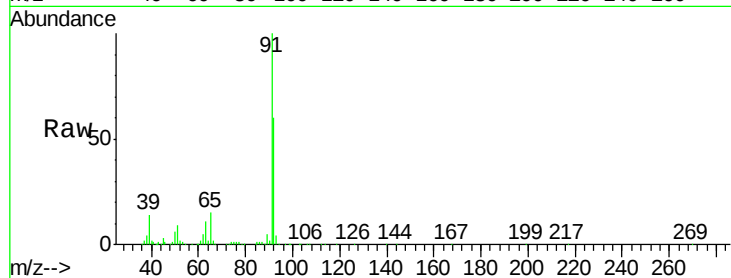
92 59.8 48.6 72.8

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 10.469 ppbv

RT: 10.63 min Scan# 2438

Delta R.T. -0.01 min

Lab File: VL034885.D

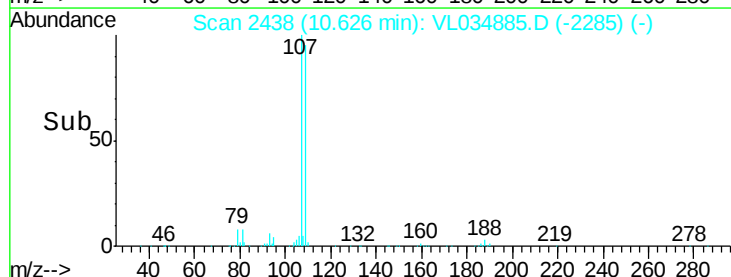
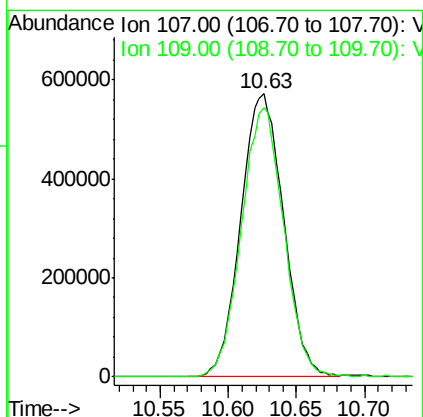
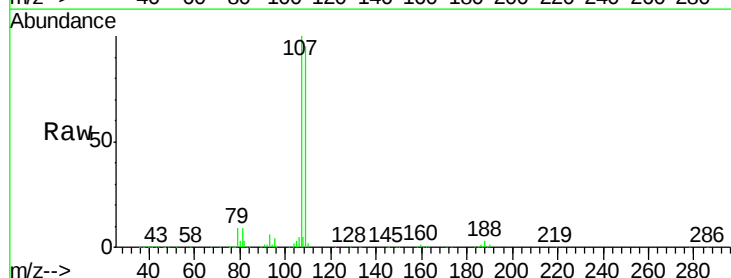
Acq: 16 Mar 2020 10:17

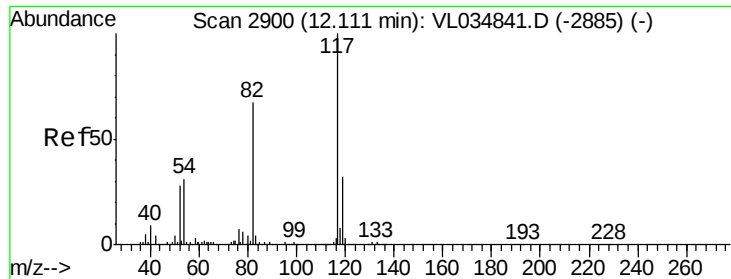
Tgt Ion: 107 Resp: 1242543

Ion Ratio Lower Upper

107 100

109 95.1 74.9 112.3





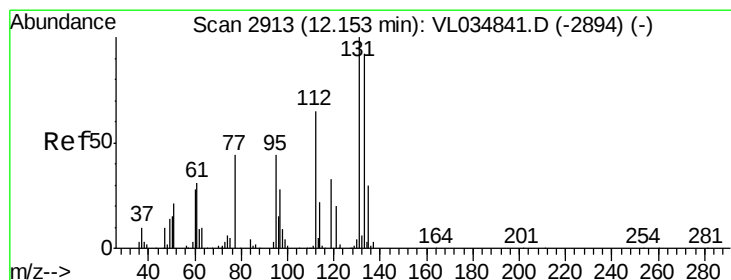
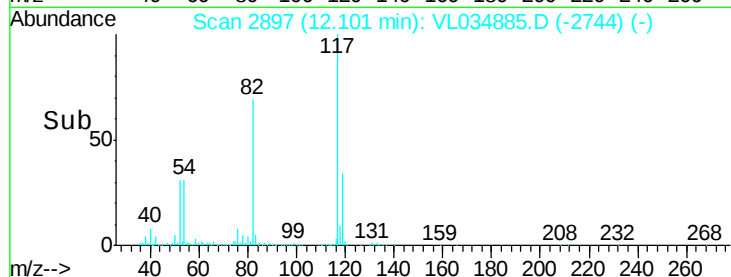
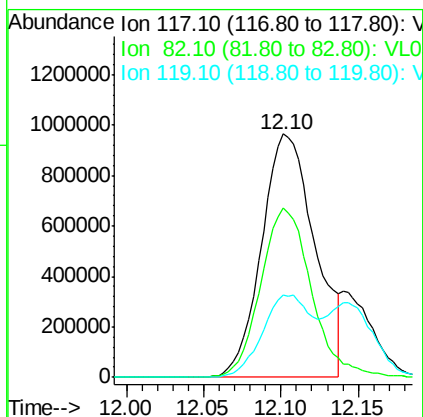
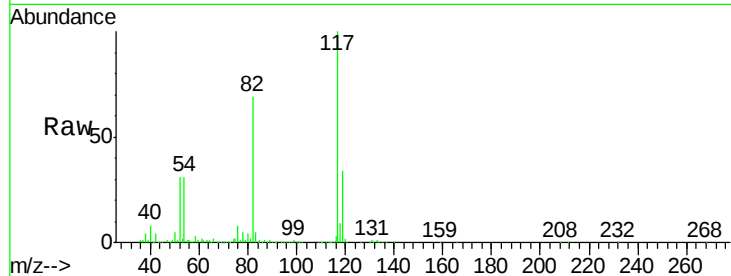
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. -0.01 min
Lab File: VL034885.D
Acq: 16 Mar 2020 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:117 Resp: 2325428
Ion Ratio Lower Upper
117 100
82 66.3 51.1 76.7
119 29.1 27.3 40.9

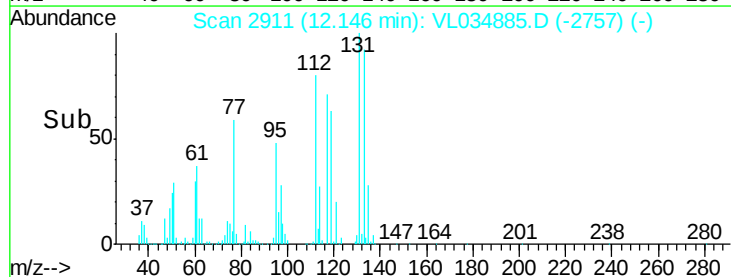
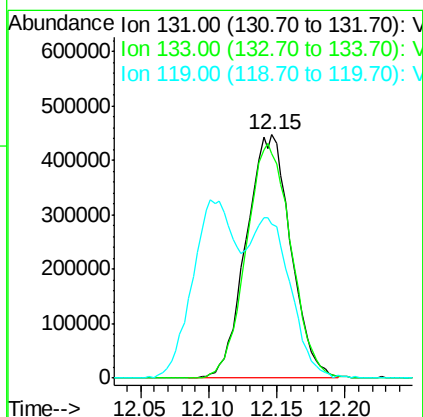
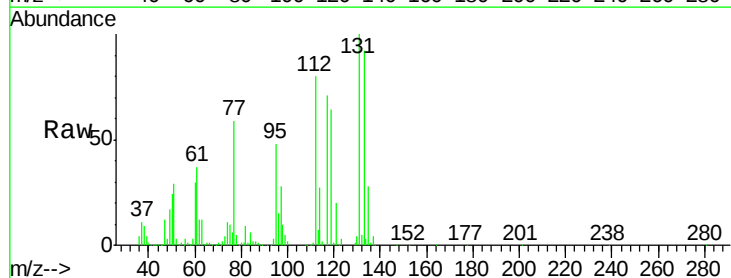
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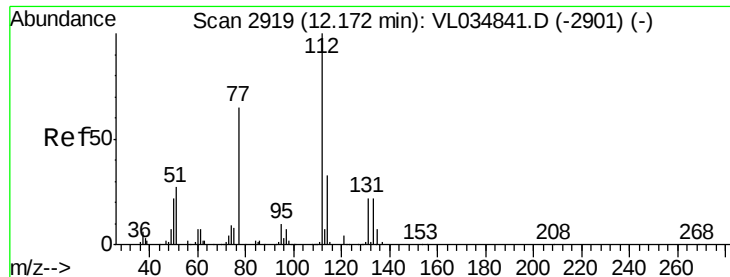
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.724 ppbv
RT: 12.15 min Scan# 2911
Delta R.T. -0.01 min
Lab File: VL034885.D
Acq: 16 Mar 2020 10:17

Tgt Ion:131 Resp: 1015715
Ion Ratio Lower Upper
131 100
133 96.9 76.0 114.0
119 57.8 47.8 71.8





#57

Chlorobenzene

Concen: 9.392 ppbv

RT: 12.16 min Scan# 2916

Delta R.T. -0.01 min

Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:112 Resp: 1708825

Ion Ratio Lower Upper

112 100

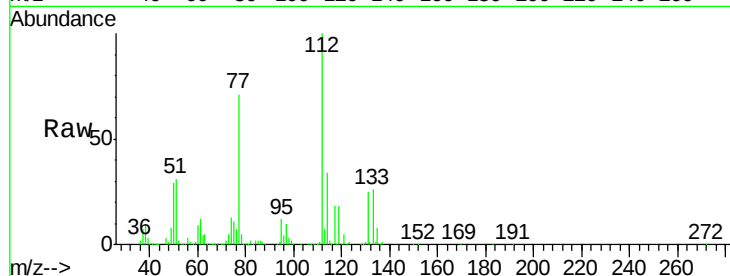
77 70.7 53.0 79.6

114 33.9 29.5 36.1

Manual Integrations
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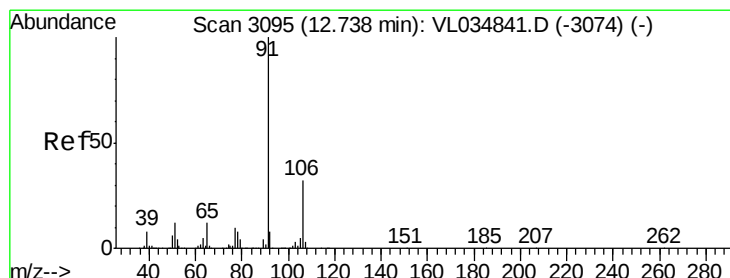
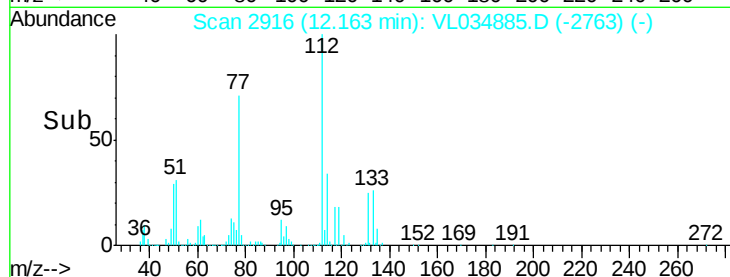
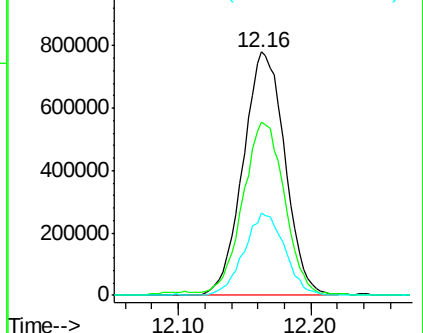
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 10.007 ppbv

RT: 12.73 min Scan# 3093

Delta R.T. -0.01 min

Lab File: VL034885.D

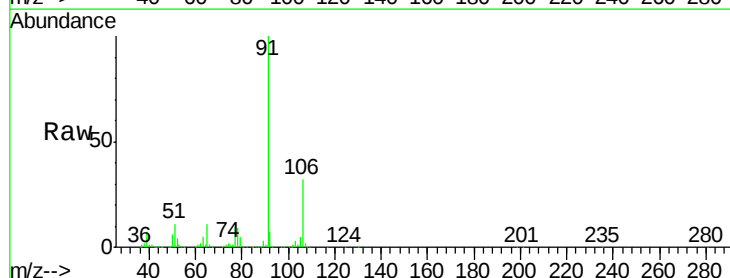
Acq: 16 Mar 2020 10:17

Tgt Ion: 91 Resp: 3151315

Ion Ratio Lower Upper

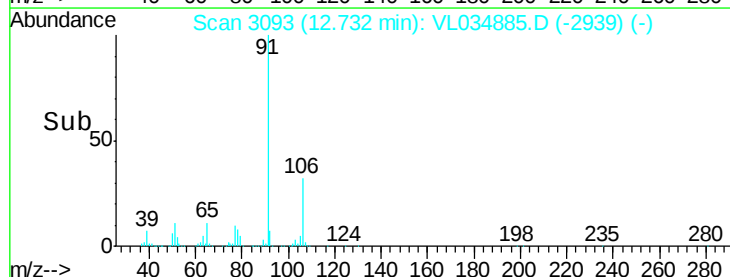
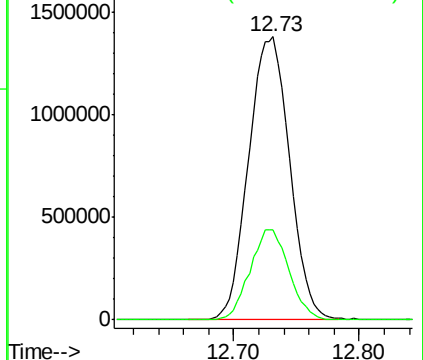
91 100

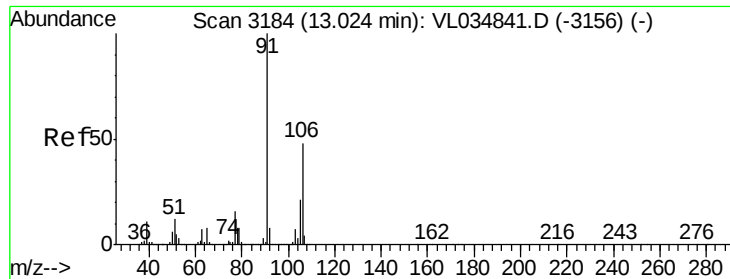
106 31.7 25.8 38.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





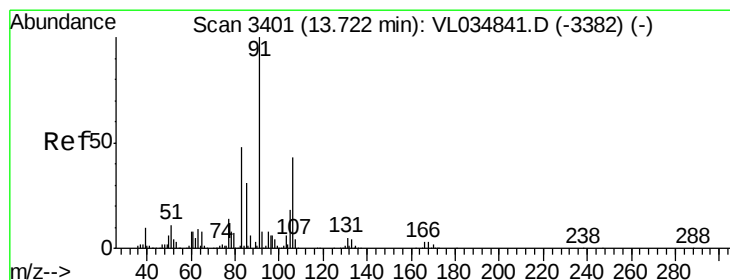
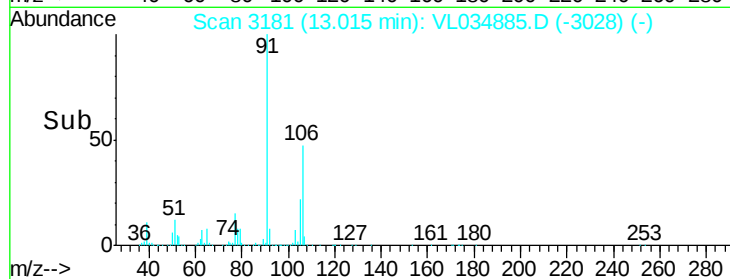
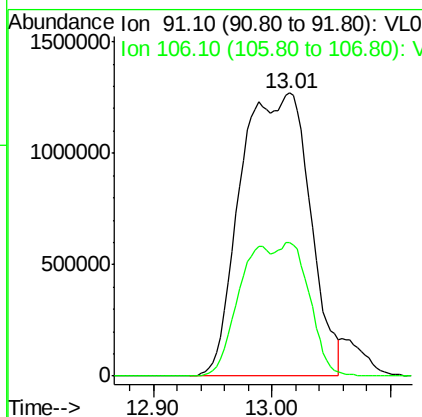
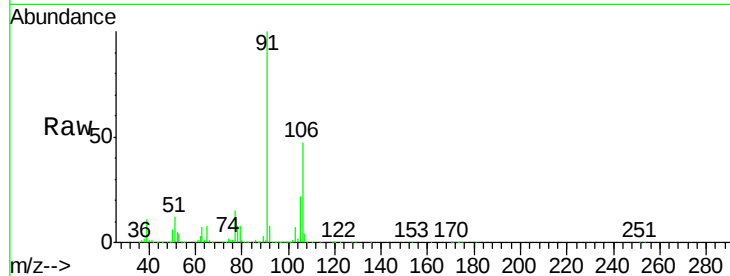
#59
m/p-Xylene
Concen: 19.459 ppbv m
RT: 13.01 min Scan# 3181
Delta R.T. -0.01 min
Lab File: VL034885.D
Acq: 16 Mar 2020 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp: 5133828
Ion Ratio Lower Upper
91 100
106 45.7 37.1 55.7

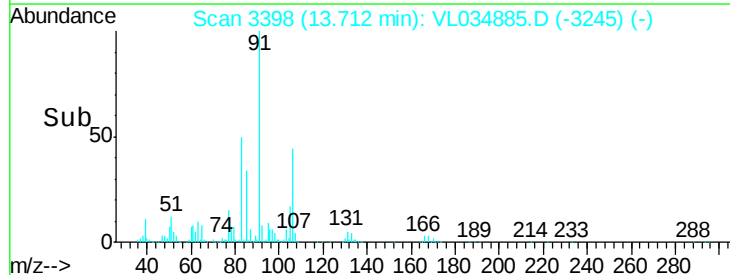
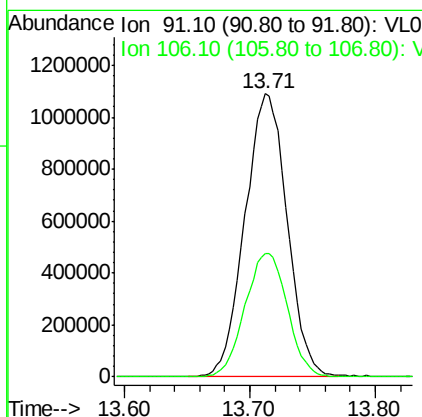
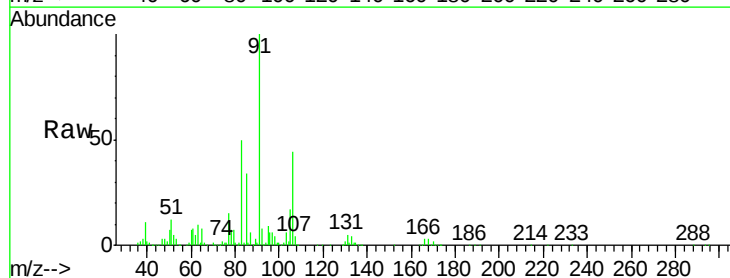
Manual Integrations
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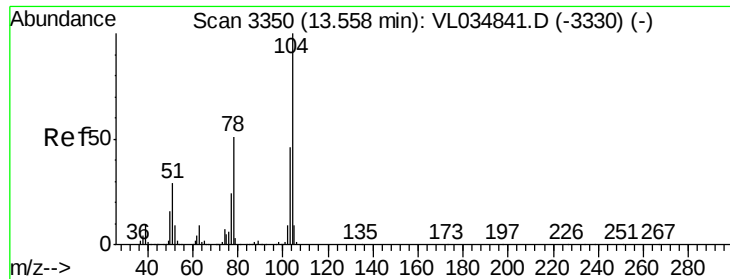
MMDadoda
3/17/2020 12:15:36 PM



#60
o-Xylene
Concen: 9.885 ppbv
RT: 13.71 min Scan# 3398
Delta R.T. -0.01 min
Lab File: VL034885.D
Acq: 16 Mar 2020 10:17

Tgt Ion: 91 Resp: 2546249
Ion Ratio Lower Upper
91 100
106 44.1 22.5 67.5





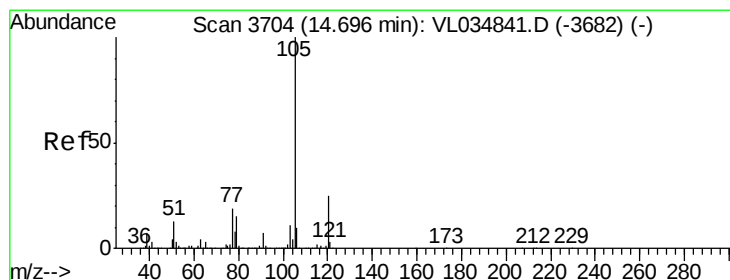
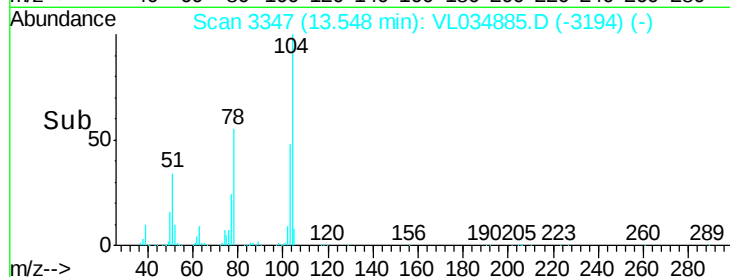
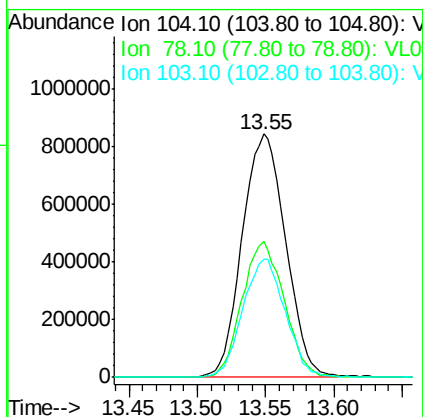
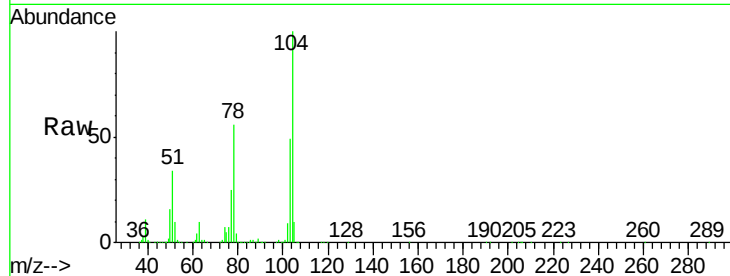
#61
Stvrene
Concen: 10.292 ppbv
RT: 13.55 min Scan# 3347
Delta R.T. -0.01 min
Lab File: VL034885.D
Acq: 16 Mar 2020 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:104 Resp: 1860544
Ion Ratio Lower Upper
104 100
78 54.5 41.8 62.6
103 47.9 37.8 56.6

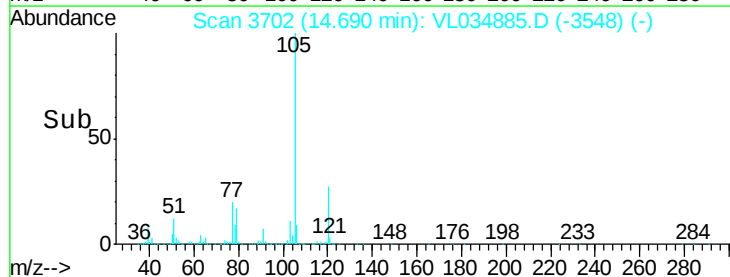
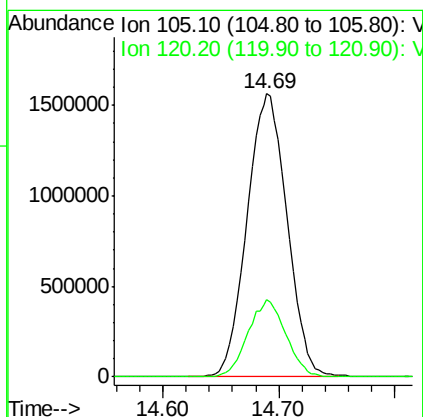
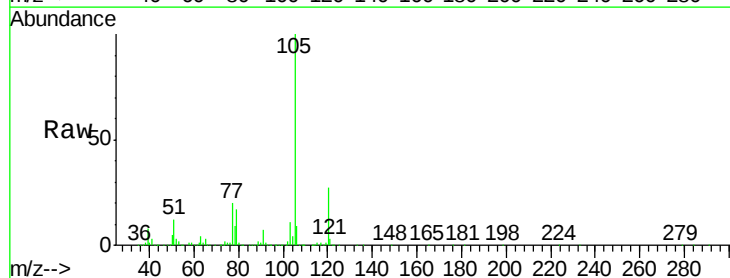
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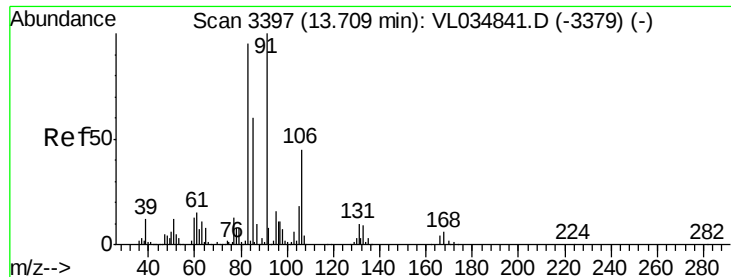
MMDadoda
3/17/2020 12:15:36 PM



#62
Isopropylbenzene
Concen: 9.616 ppbv
RT: 14.69 min Scan# 3702
Delta R.T. -0.01 min
Lab File: VL034885.D
Acq: 16 Mar 2020 10:17

Tgt Ion:105 Resp: 3745626
Ion Ratio Lower Upper
105 100
120 25.8 21.0 31.4





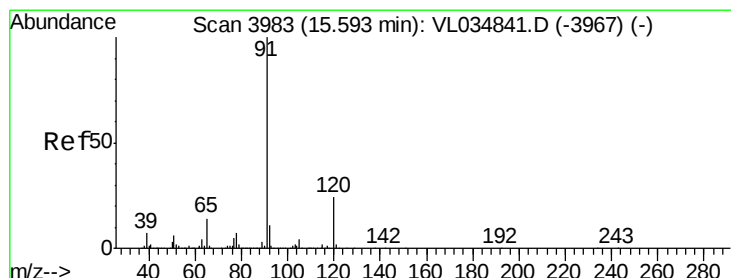
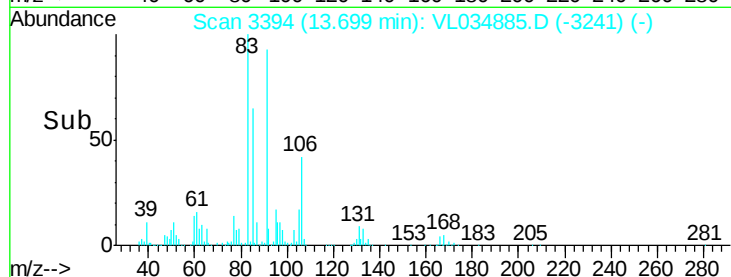
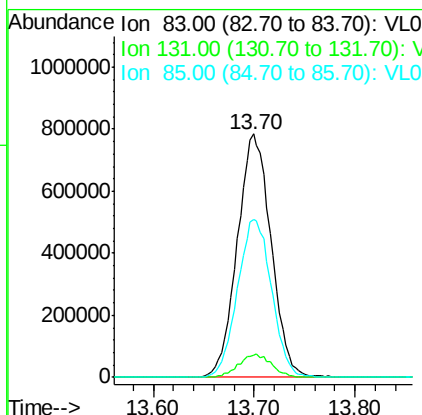
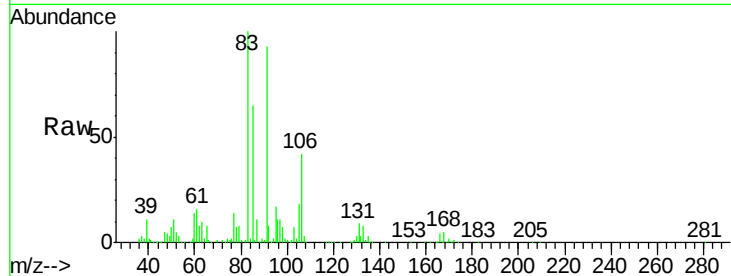
#63
 1,1,2,2-Tetrachloroethane
 Concen: 10.406 ppbv
 RT: 13.70 min Scan# 3394
 Delta R.T. -0.01 min
 Lab File: VL034885.D
 Acq: 16 Mar 2020 10:17

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	83	Resp	1819876
Ion Ratio	Lower	Upper	
83	100		
131	9.3	5.0	14.9
85	65.6	32.4	97.2

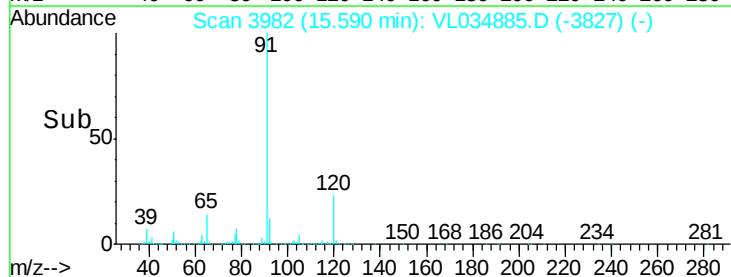
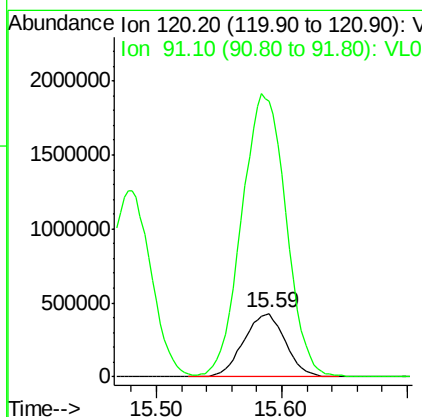
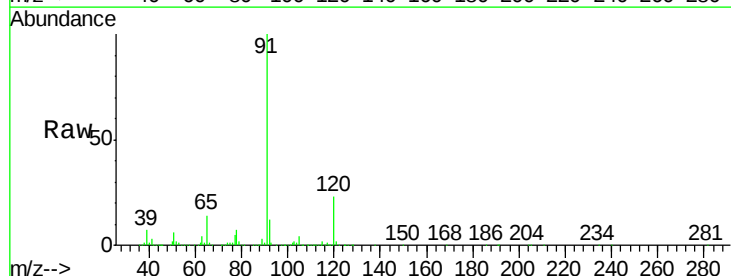
Manual Integrations
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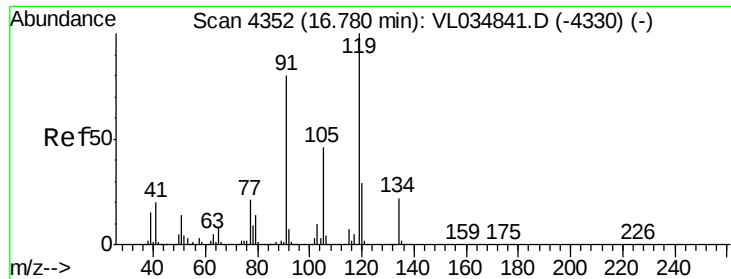
MMDadoda
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#64
 n-propylbenzene
 Concen: 9.755 ppbv
 RT: 15.59 min Scan# 3982
 Delta R.T. -0.00 min
 Lab File: VL034885.D
 Acq: 16 Mar 2020 10:17

Tgt Ion	120	Resp	988977
Ion Ratio	Lower	Upper	
120	100		
91	476.0	360.9	541.3





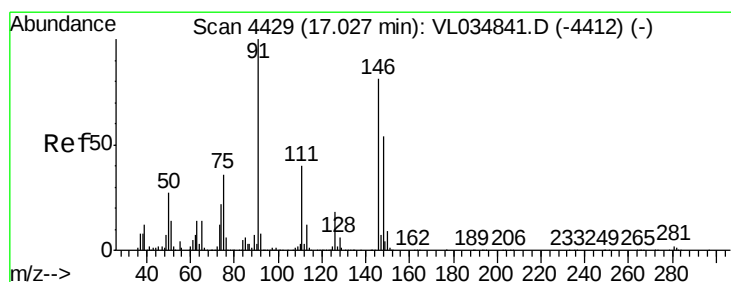
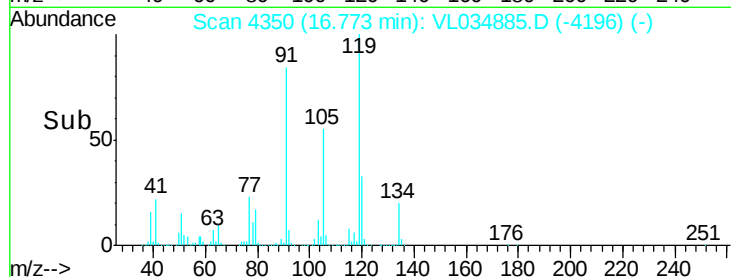
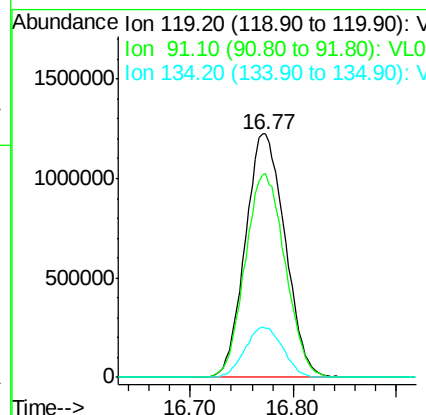
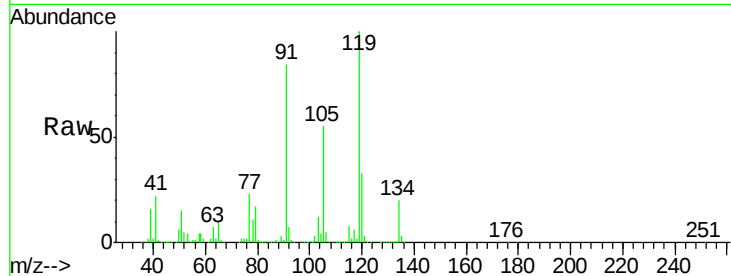
#65
 tert-Butylbenzene
 Concen: 9.608 ppbv
 RT: 16.77 min Scan# 4350
 Delta R.T. -0.01 min
 Lab File: VL034885.D
 Acq: 16 Mar 2020 10:17

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
119	100		
91	84.7	64.9	97.3
134	19.8	15.9	23.9

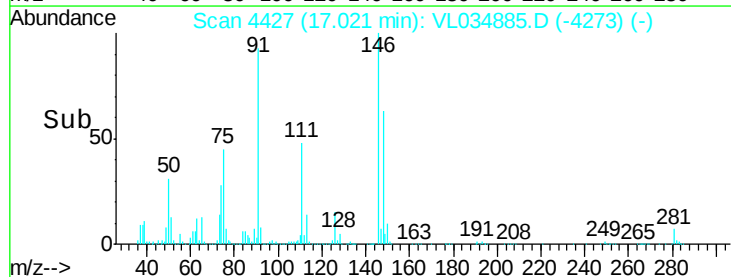
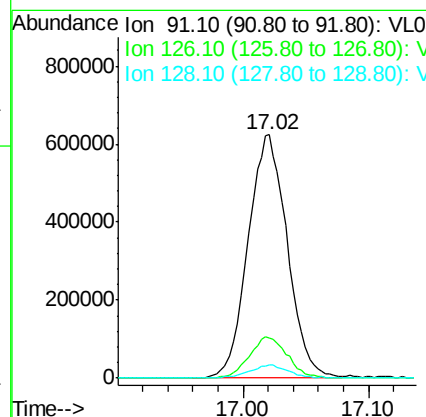
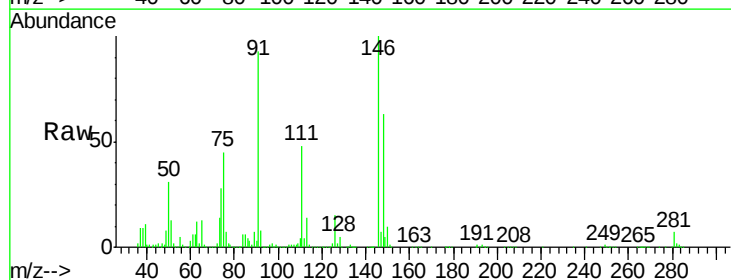
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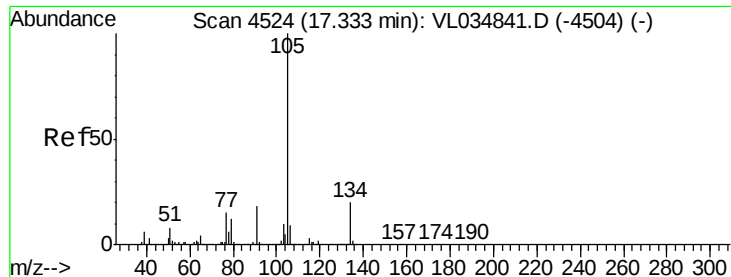
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#66
 Benzyl Chloride
 Concen: 9.514 ppbv
 RT: 17.02 min Scan# 4427
 Delta R.T. -0.01 min
 Lab File: VL034885.D
 Acq: 16 Mar 2020 10:17

Tgt Ion	Ratio	Lower	Upper
91	100		
126	16.4	14.7	22.1
128	5.3	4.7	7.1





#67

sec-Butylbenzene

Concen: 9.964 ppbv

RT: 17.32 min Scan# 4521

Delta R.T. -0.01 min

Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 105 Resp: 4704330

Ion Ratio Lower Upper

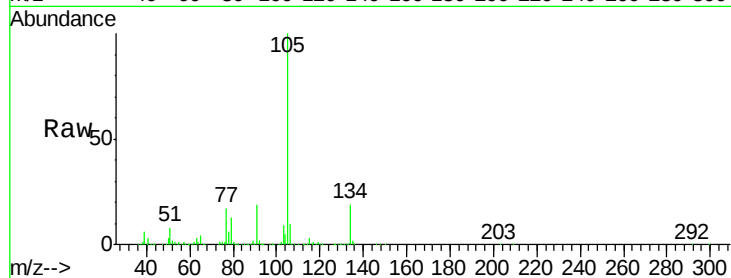
105 100

134 18.1 15.0 22.6

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

2000000

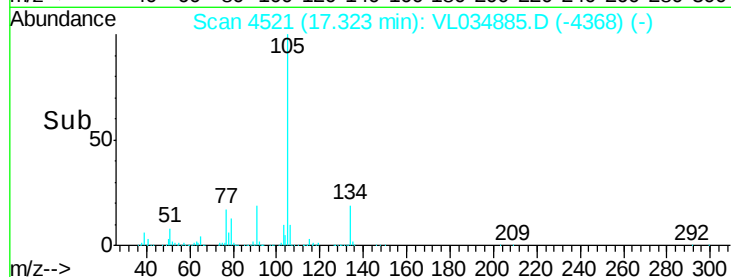
1500000

1000000

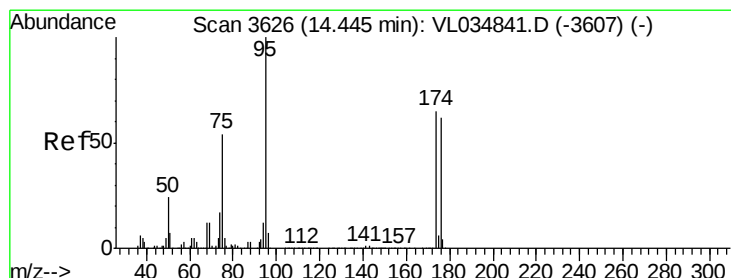
500000

0

17.20 17.30 17.40



Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 10.026 ppbv

RT: 14.44 min Scan# 3623

Delta R.T. -0.01 min

Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

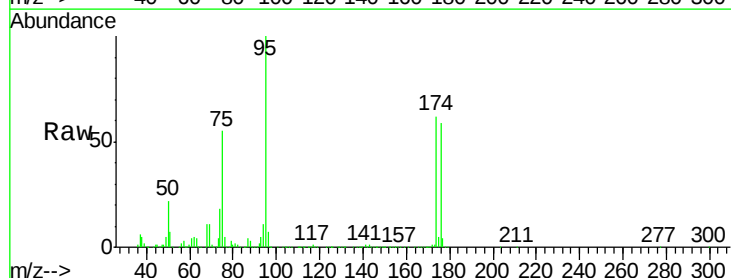
Tgt Ion: 95 Resp: 1818350

Ion Ratio Lower Upper

95 100

174 64.6 55.2 82.8

175 4.9 4.3 6.5



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

1000000

800000

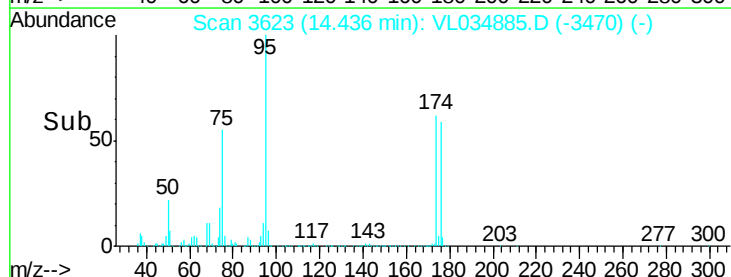
600000

400000

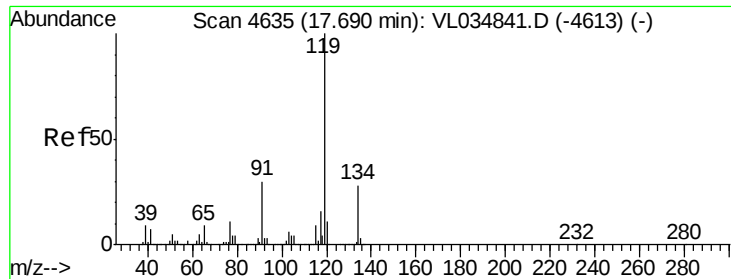
200000

0

14.40 14.50



Time-->



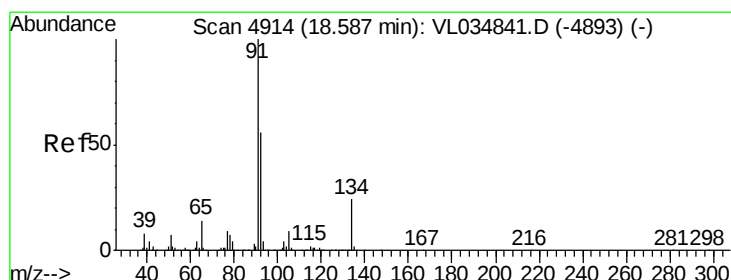
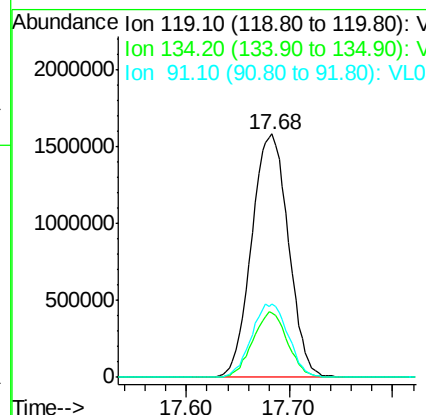
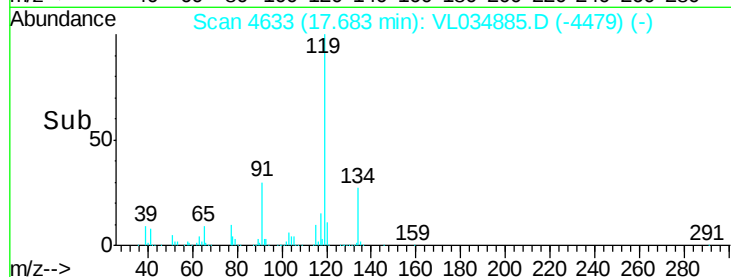
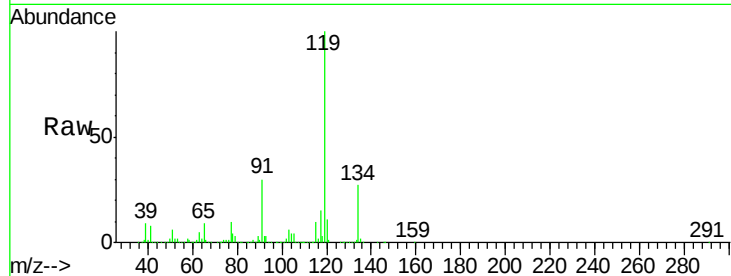
#69
p-Isopropyltoluene
Concen: 9.874 ppbv
RT: 17.68 min Scan# 4633
Delta R.T. -0.01 min
Lab File: VL034885.D
Acq: 16 Mar 2020 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.4	20.6	30.8
91	30.0	23.4	35.2

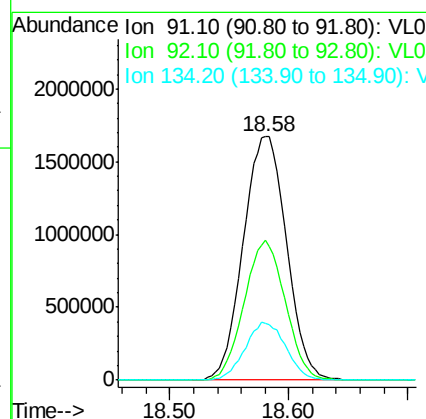
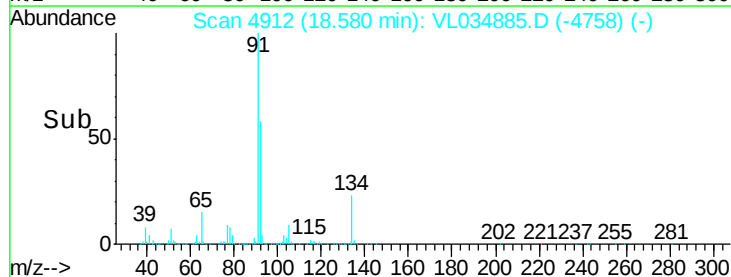
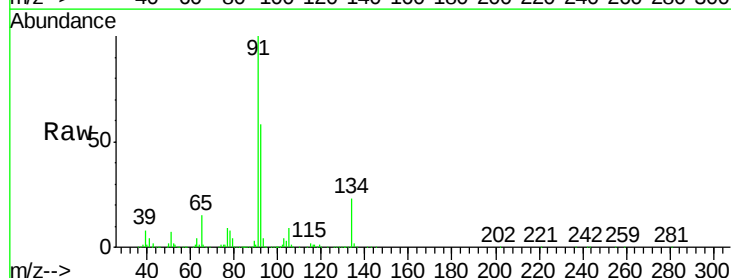
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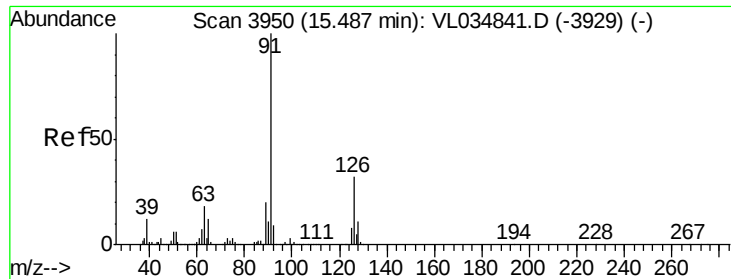
MMDadoda
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#70
n-Butylbenzene
Concen: 10.402 ppbv
RT: 18.58 min Scan# 4912
Delta R.T. -0.01 min
Lab File: VL034885.D
Acq: 16 Mar 2020 10:17

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.7	43.8	65.6
134	22.4	19.0	28.4





#71

2-Chlorotoluene

Concen: 9.980 ppbv

RT: 15.48 min Scan# 3948

Delta R.T. -0.01 min

Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 2943932

Ion Ratio Lower Upper

91 100

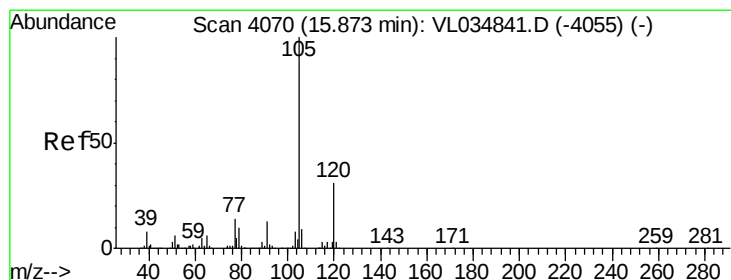
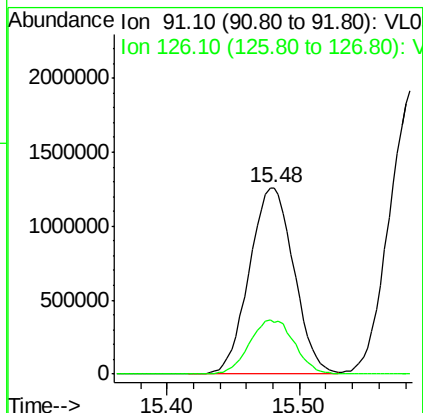
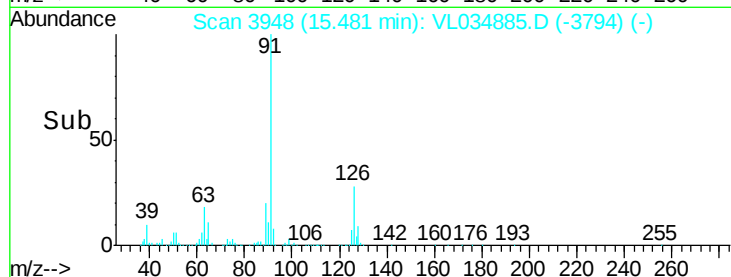
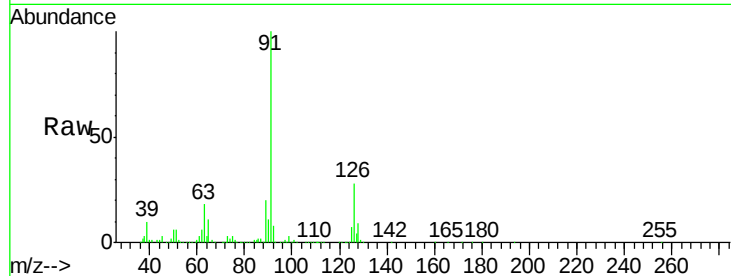
126 29.4 12.3 49.1

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#72

4-Ethyltoluene

Concen: 10.074 ppbv

RT: 15.87 min Scan# 4068

Delta R.T. -0.01 min

Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

Tgt Ion: 105 Resp: 3064785

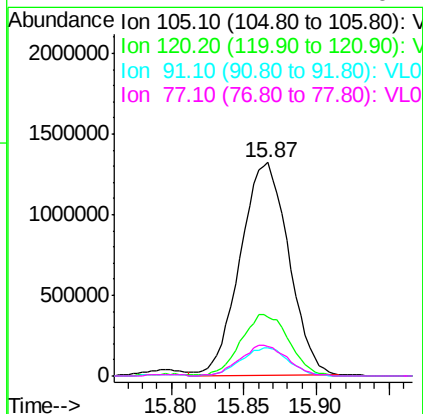
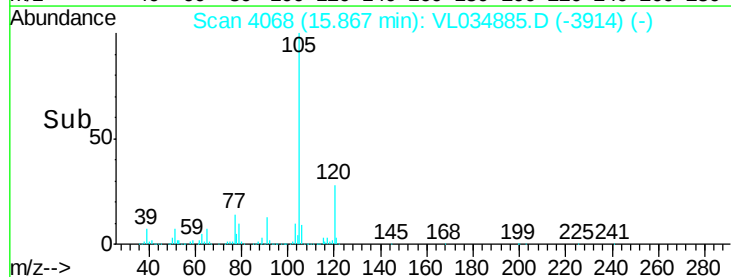
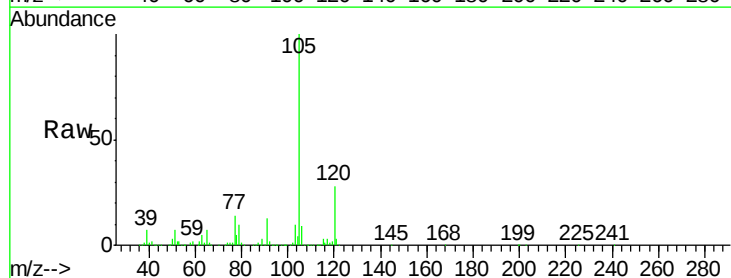
Ion Ratio Lower Upper

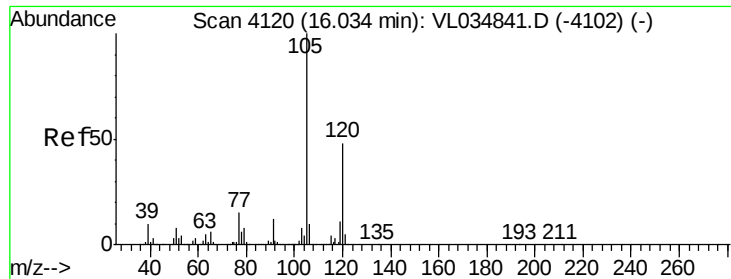
105 100

120 28.9 23.7 35.5

91 13.2 10.5 15.7

77 14.2 11.1 16.7





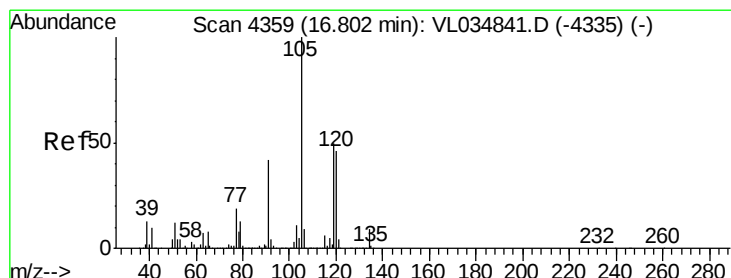
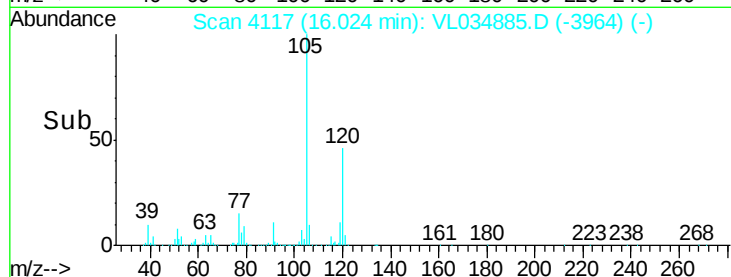
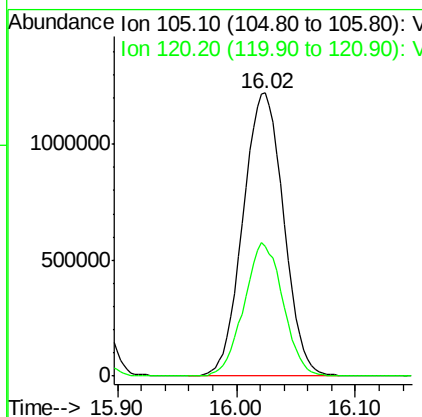
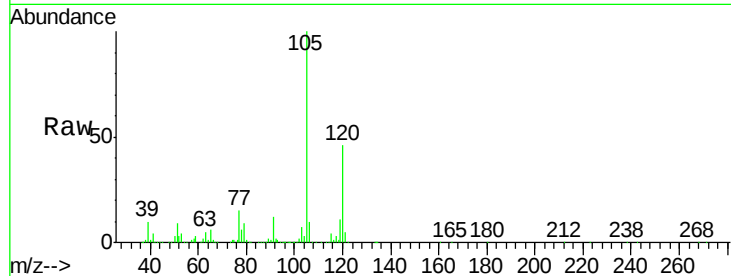
#73
 1,3,5-Trimethylbenzene
 Concen: 10.103 ppbv
 RT: 16.02 min Scan# 4117
 Delta R.T. -0.01 min
 Lab File: VL034885.D
 Acq: 16 Mar 2020 10:17

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:105 Resp: 2877030
 Ion Ratio Lower Upper
 105 100
 120 45.8 38.6 58.0

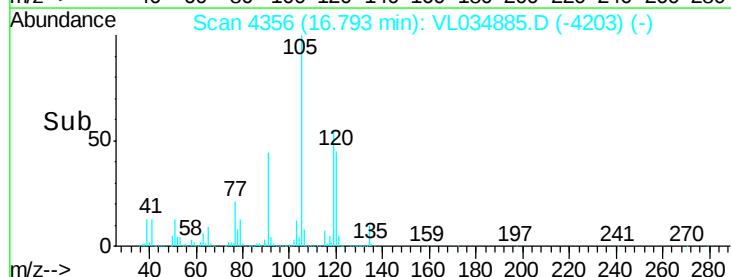
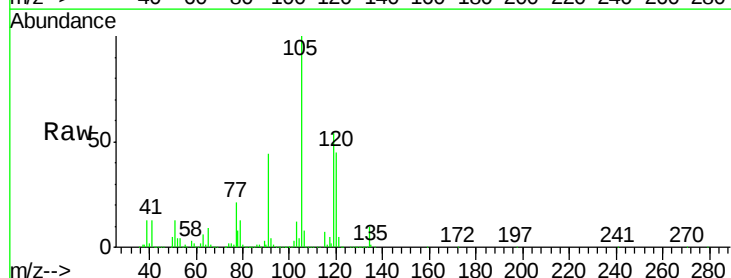
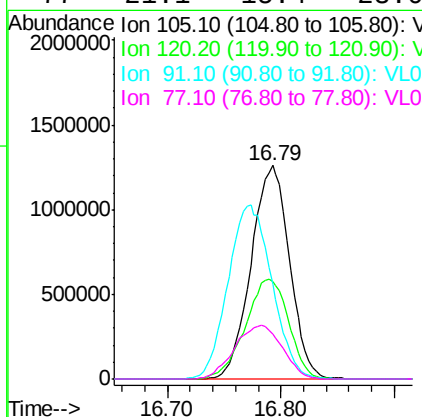
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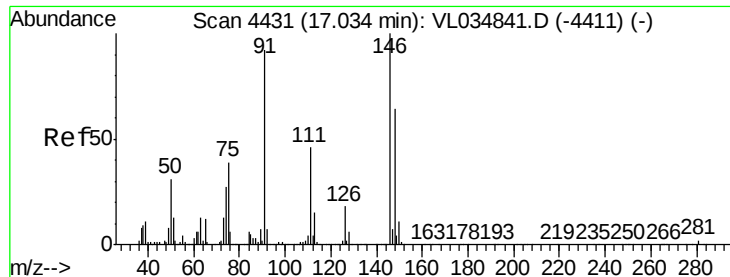
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#74
 1,2,4-Trimethylbenzene
 Concen: 10.133 ppbv
 RT: 16.79 min Scan# 4356
 Delta R.T. -0.01 min
 Lab File: VL034885.D
 Acq: 16 Mar 2020 10:17

Tgt Ion:105 Resp: 2973116
 Ion Ratio Lower Upper
 105 100
 120 45.3 37.0 55.4
 91 44.2 33.8 50.6
 77 21.1 15.4 23.0





#75

1,3-Dichlorobenzene

Concen: 9.728 ppbv

RT: 17.03 min Scan# 4429

Delta R.T. -0.01 min

Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:146 Resp: 1720922

Ion Ratio Lower Upper

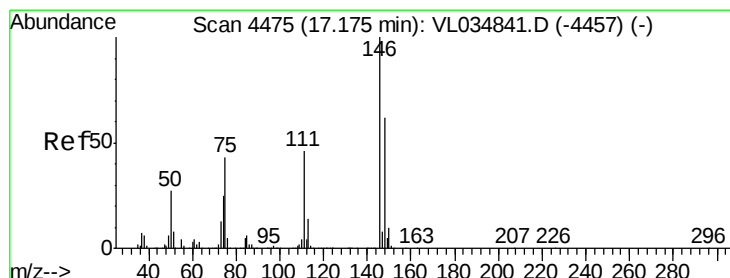
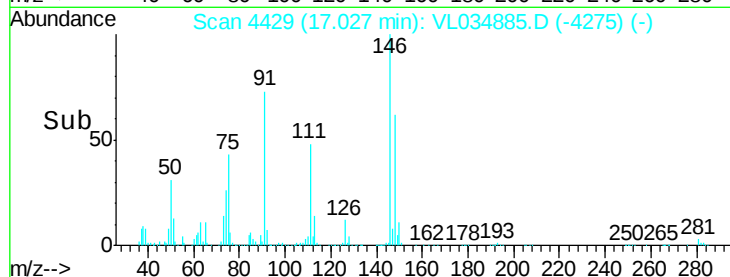
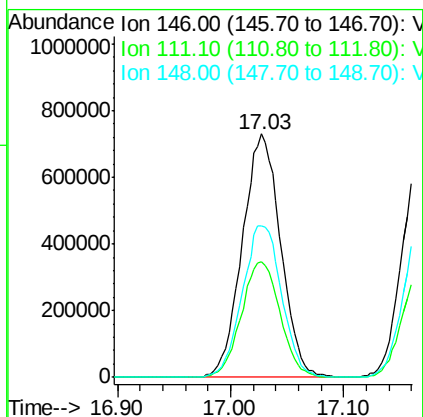
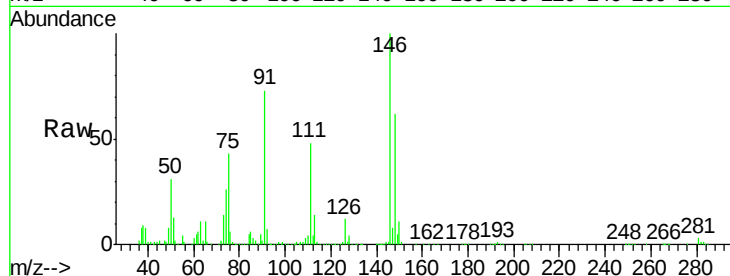
146 100

111 48.0 23.9 71.7

148 64.0 32.5 97.5

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#76

1,4-Dichlorobenzene

Concen: 9.661 ppbv

RT: 17.17 min Scan# 4473

Delta R.T. -0.01 min

Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

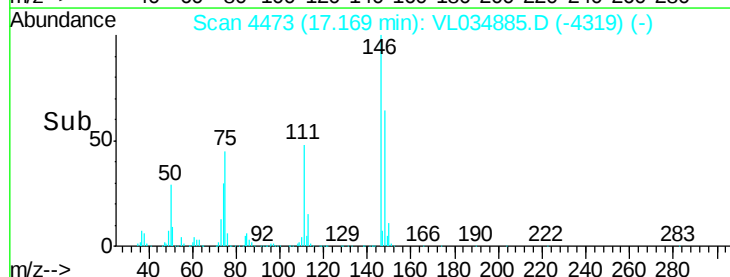
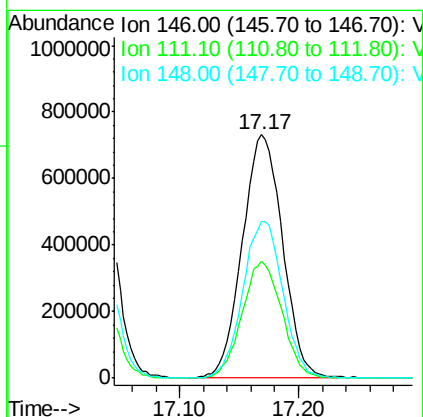
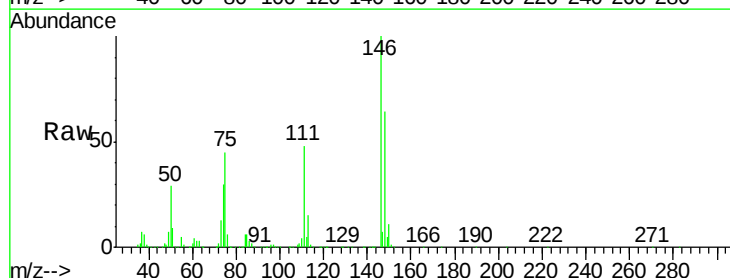
Tgt Ion:146 Resp: 1705516

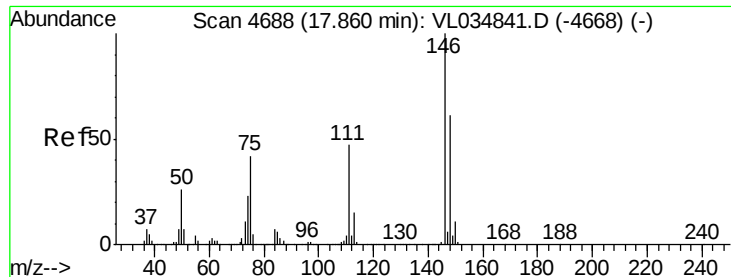
Ion Ratio Lower Upper

146 100

111 47.6 23.4 70.2

148 64.9 32.3 96.9





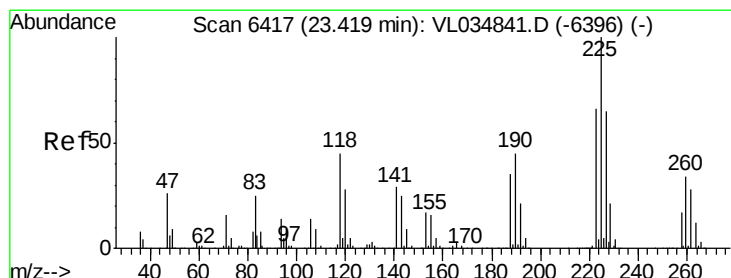
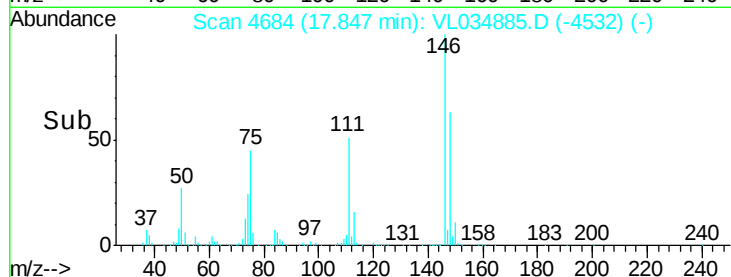
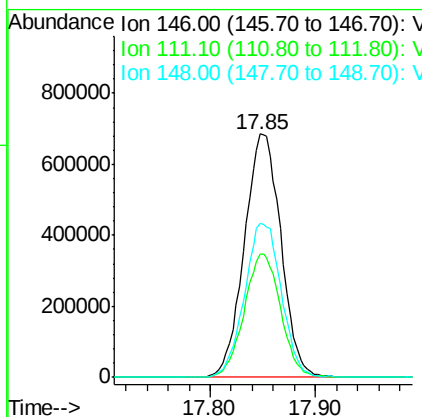
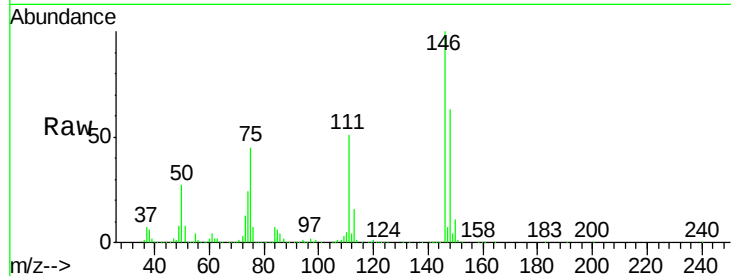
#77
 1,2-Dichlorobenzene
 Concen: 9.665 ppbv
 RT: 17.85 min Scan# 4684
 Delta R.T. -0.01 min
 Lab File: VL034885.D
 Acq: 16 Mar 2020 10:17

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:146 Resp: 1657421
 Ion Ratio Lower Upper
 146 100
 111 50.5 23.8 71.4
 148 63.9 31.6 94.8

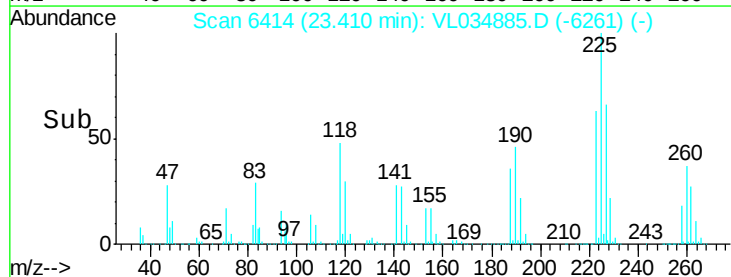
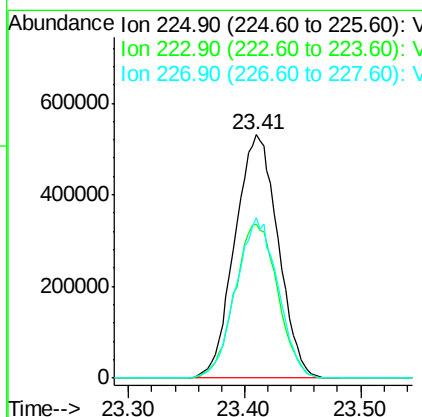
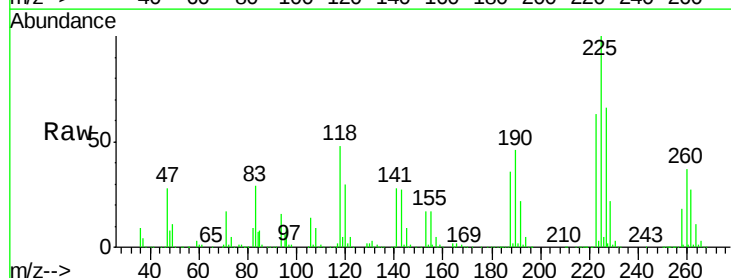
Manual Integrations
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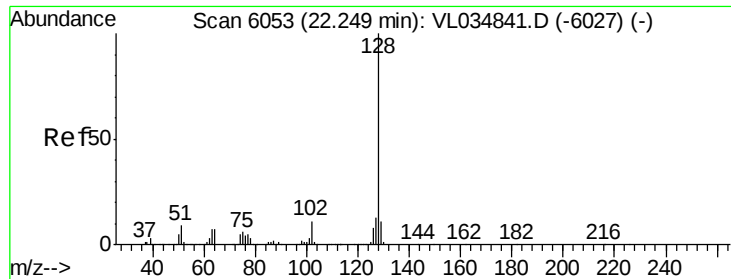
MMDadoda
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#78
 Hexachloro-1,3-Butadiene
 Concen: 9.574 ppbv
 RT: 23.41 min Scan# 6414
 Delta R.T. -0.01 min
 Lab File: VL034885.D
 Acq: 16 Mar 2020 10:17

Tgt Ion:225 Resp: 1371311
 Ion Ratio Lower Upper
 225 100
 223 63.1 51.1 76.7
 227 64.1 51.8 77.6





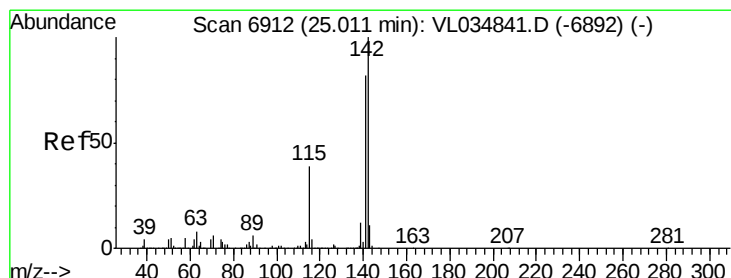
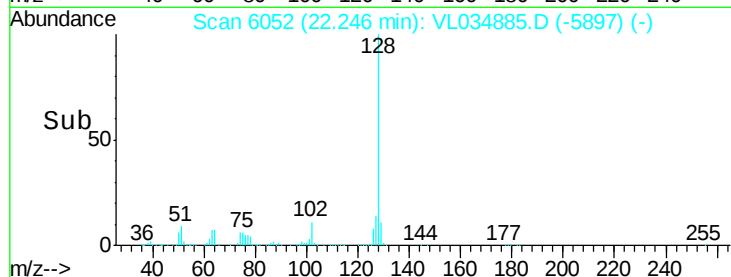
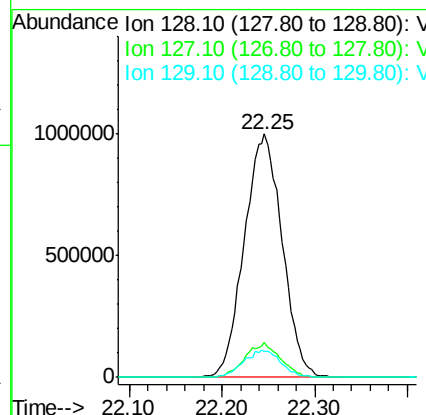
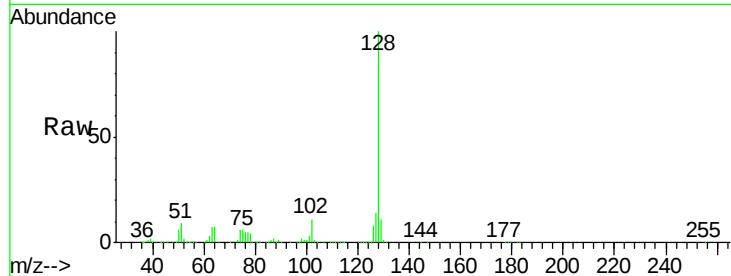
#79
Naphthalene
Concen: 12.361 ppbv
RT: 22.25 min Scan# 6052
Delta R.T. -0.00 min
Lab File: VL034885.D
Acq: 16 Mar 2020 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.2	10.2	15.2
129	10.9	8.6	13.0

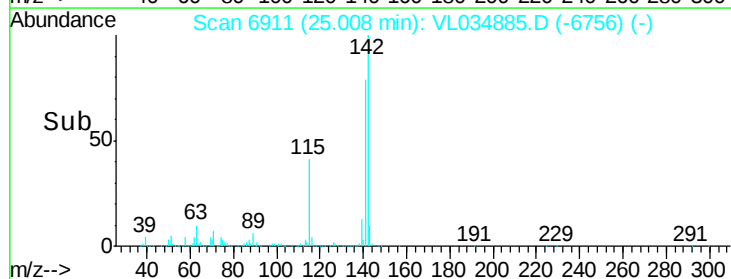
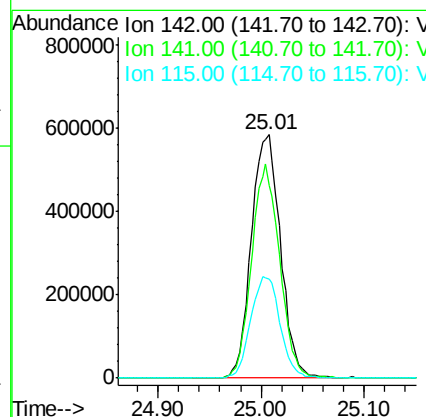
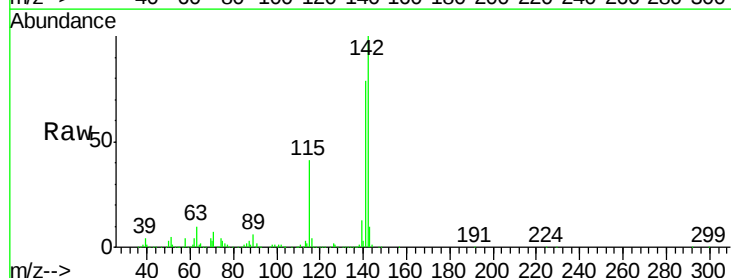
Manual Integrations
APPROVED

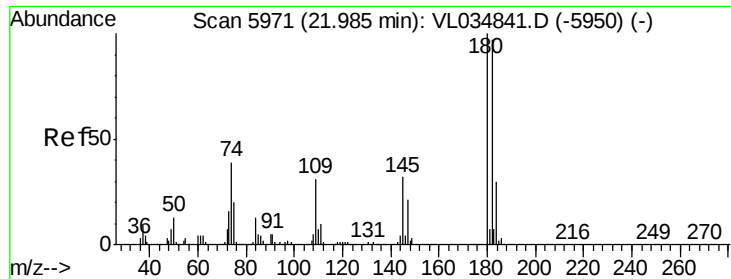
MMDadoda
3/17/2020 12:15:36 PM



#80
Naphthalene, 2-methyl-
Concen: 19.185 ppbv
RT: 25.01 min Scan# 6911
Delta R.T. -0.00 min
Lab File: VL034885.D
Acq: 16 Mar 2020 10:17

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.9	68.9	103.3
115	42.1	33.2	49.8





#81
 1,2,4-Trichlorobenzene
 Concen: 11.015 ppbv
 RT: 21.97 min Scan# 5967
 Delta R.T. -0.01 min
 Lab File: VL034885.D
 Acq: 16 Mar 2020 10:17

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.6	76.6	115.0
184	30.8	25.0	37.4

Manual Integrations
 APPROVED

MMDadoda
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