

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051921\
 Data File : VL036993.D
 Acq On : 19 May 2021 15:29
 Operator : SY/AP
 Sample : VL0519ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0519ABS01

Manual Integrations
 APPROVED

MMDadoda
 5/24/2021 3:01:30 PM

Quant Time: May 20 12:30:47 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 2021
 QLast Update : Tue May 18 12:00:15 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1261373	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	3802958	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3701445m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2851254	10.25	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	2041408	9.540	ppbv	100
3) Chlorodifluoromethane	2.97	51	2260450	9.782	ppbv	99
4) Chloromethane	3.12	50	744501	9.468	ppbv	99
5) Vinyl Chloride	3.24	62	792619	9.221	ppbv	100
6) Bromomethane	3.46	94	468116	10.335	ppbv	99
7) Chloroethane	3.54	64	276684	9.914	ppbv	96
8) Dichlorotetrafluoroethane	3.17	85	1956274	9.737	ppbv	98
9) Propene	2.99	41	767735	9.278	ppbv	100
10) Heptane	8.10	43	1961189	9.510	ppbv	98
11) Trichlorofluoromethane	3.93	101	2035285	10.276	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1401395	9.933	ppbv	98
13) Ethanol	3.59	45	78506m	7.111	ppbv	
14) Bromoethene	3.72	108	626016	10.074	ppbv	100
15) Acetone	3.84	43	1041185	8.059	ppbv	96
16) 1,3-Butadiene	3.31	39	781435	9.735	ppbv	98
17) tert-Butyl alcohol	4.28	59	1057874	8.939	ppbv	98
18) 1,1-Dichloroethene	4.27	96	644296	9.876	ppbv	95
19) Isopropyl Alcohol	3.95	45	588646	8.476	ppbv	# 36
20) Methylene Chloride	4.33	84	542658	7.836	ppbv	99
21) Allyl Chloride	4.39	41	942651	9.672	ppbv	98
22) trans-1,2-Dichloroethene	4.86	96	619870	9.914	ppbv	97
23) Vinyl Acetate	5.06	43	2015859	9.830	ppbv	99
24) 1,1-Dichloroethane	4.99	63	1530315	10.367	ppbv	99
25) Ethyl Acetate	5.66	43	2968451	9.561	ppbv	100
26) Hexane	5.67	57	1435079	9.048	ppbv	98
27) Carbon Disulfide	4.53	76	1537734	9.620	ppbv	100
28) Methyl tert-Butyl Ether	5.02	73	1728541	9.092	ppbv	100
29) Chloroform	5.73	83	2253982	10.059	ppbv	97
30) Cyclohexane	7.11	84	1304247	9.677	ppbv	98
31) cis-1,2-Dichloroethene	5.53	61	1447364	10.179	ppbv	99
32) 1,1,1-Trichloroethane	6.49	97	2292280	9.527	ppbv	99
34) 2-Butanone	5.23	43	1435533	10.367	ppbv	98
35) Carbon Tetrachloride	7.00	117	2446186	9.681	ppbv	99
36) Benzene	6.87	78	3074812	9.387	ppbv	100
37) 1,2-Dichloroethane	6.29	62	1700632	10.472	ppbv	100
38) Trichloroethene	7.82	130	1268087	9.049	ppbv	98
39) 1,2-Dichloropropane	7.59	63	1186533	9.403	ppbv	98
40) 1,4-Dioxane	7.82	88	304463m	10.219	ppbv	
41) Tetrahydrofuran	6.03	42	736429	9.338	ppbv	98
42) Bromodichloromethane	7.77	83	2463104	10.025	ppbv	99
43) Methyl Methacrylate	7.99	69	1136298	10.064	ppbv	100

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Quant Time: May 20 12:30:47 2021
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	5015461	8.924	ppbv	100
45) t-1,3-Dichloropropene	9.26	75	1101227	12.767	ppbv	97
46) cis-1,3-Dichloropropene	8.68	75	1439082	12.404	ppbv	99
47) 1,1,2-Trichloroethane	9.46	97	1296016	9.813	ppbv	99
48) Dibromochloromethane	10.28	129	2280262	10.663	ppbv	100
49) Bromoform	13.02	173	1885137	10.674	ppbv	100
50) 4-Methyl-2-Pentanone	8.72	43	2176298	9.524	ppbv	99
51) 2-Hexanone	10.12	43	1149933	9.519	ppbv	99
52) Tetrachloroethene	11.20	164	1252453	9.615	ppbv	98
53) Toluene	9.78	91	3718364	9.540	ppbv	99
54) 1,2-Dibromoethane	10.59	107	1975346	10.520	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.10	131	1518222	9.748	ppbv #	58
57) Chlorobenzene	12.12	112	2814610	9.807	ppbv	97
58) Ethyl Benzene	12.69	91	4909587	9.398	ppbv	98
59) m/p-Xylene	12.97	91	8102916m	18.764	ppbv	
60) o-Xylene	13.67	91	3844950	9.336	ppbv	100
61) Styrene	13.51	104	2351005	10.133	ppbv	99
62) Isopropylbenzene	14.64	105	5478721	9.256	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.65	83	2670356	8.682	ppbv	100
64) n-propylbenzene	15.54	120	1507534	9.872	ppbv	98
65) tert-Butylbenzene	16.73	119	4905074	9.184	ppbv	100
66) Benzyl Chloride	16.97	91	233619	7.883	ppbv	97
67) sec-Butylbenzene	17.27	105	6608061	9.069	ppbv	99
69) p-Isopropyltoluene	17.63	119	5755188	9.187	ppbv	100
70) n-Butylbenzene	18.53	91	5574716	9.367	ppbv	99
71) 2-Chlorotoluene	15.43	91	4063596	9.505	ppbv	99
72) 4-Ethyltoluene	15.82	105	4752430	9.722	ppbv	99
73) 1,3,5-Trimethylbenzene	15.98	105	4314978	9.400	ppbv	98
74) 1,2,4-Trimethylbenzene	16.74	105	4440205	9.355	ppbv	99
75) 1,3-Dichlorobenzene	16.97	146	2829337	9.762	ppbv	100
76) 1,4-Dichlorobenzene	17.11	146	2765756	9.438	ppbv	99
77) 1,2-Dichlorobenzene	17.80	146	2732015	9.408	ppbv	100
78) Hexachloro-1,3-Butadiene	23.35	225	1926954	8.252	ppbv	99
79) Naphthalene	22.17	128	4072584	10.936	ppbv	100
80) Naphthalene, 2-methyl-	24.96	142	1100601m	13.591	ppbv	
81) 1,2,4-Trichlorobenzene	21.90	180	2296317	10.115	ppbv	96

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

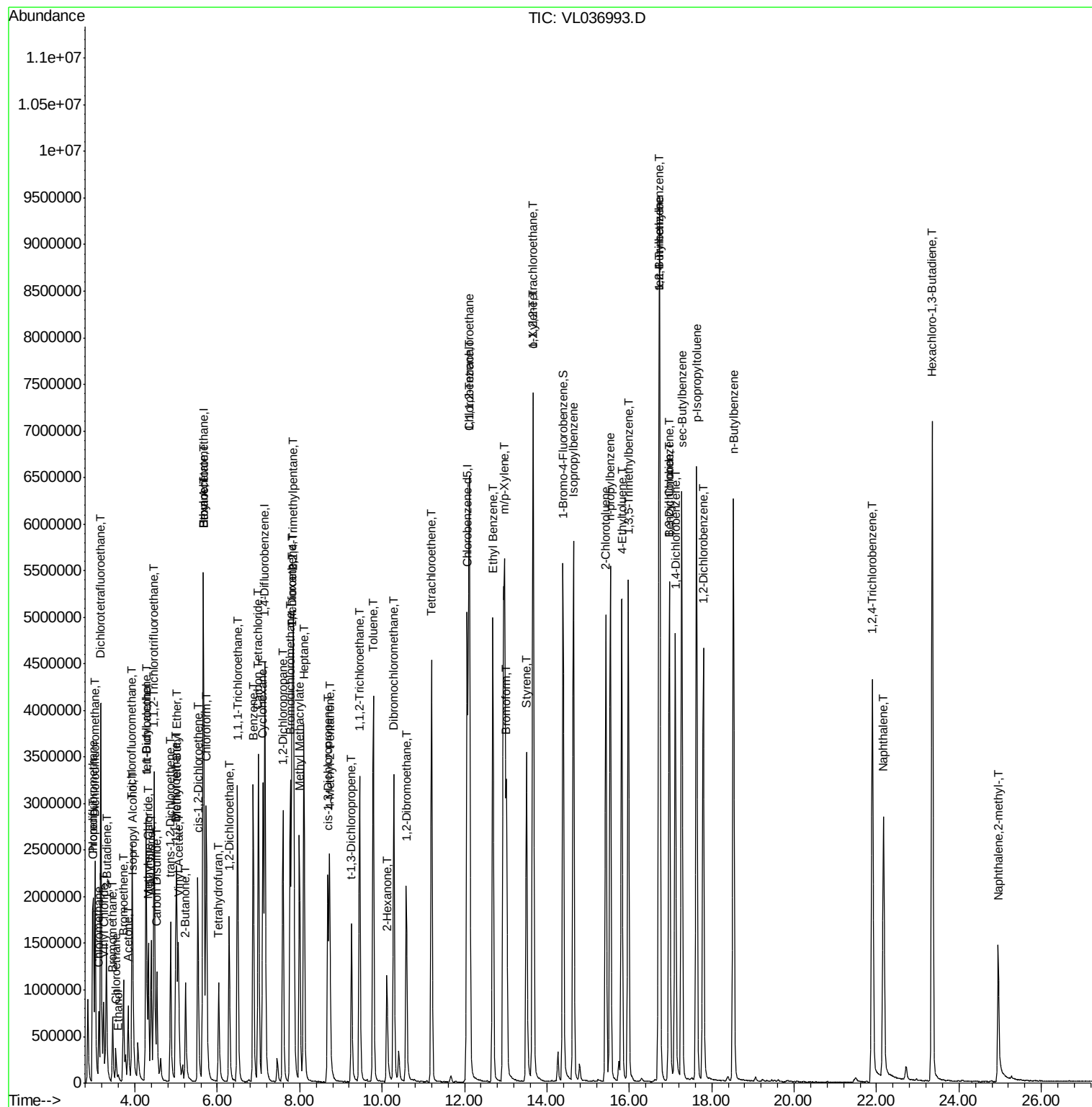
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL051921\
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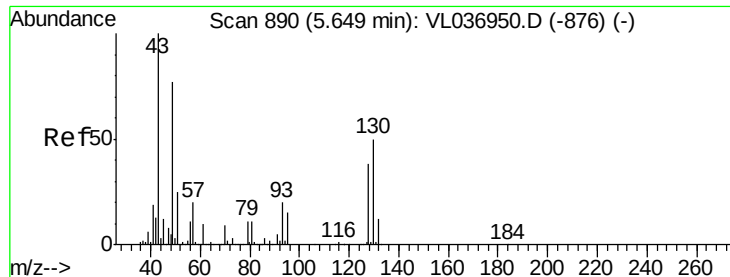
Instrument :
MSVOA_L
ClientSampleId :
VL0519ABS01

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
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QLast Update : Tue May 18 12:00:15 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.00 min

Lab File: VL036993.D

Acq: 19 May 2021 15:29

Instrument :

MSVOA_L

ClientSampleId :

VL0519ABS01

Tot Ion: 49 Resp: 1261373

Ion Ratio Lower Upper

49 100

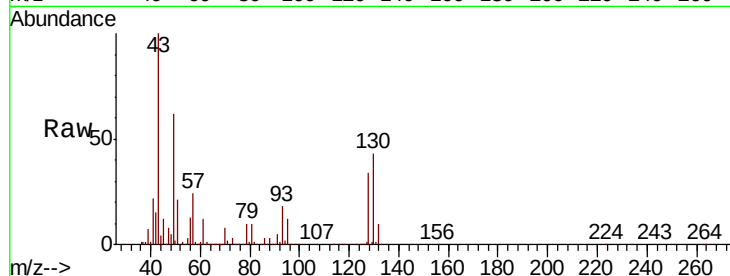
128 57.7 26.9 80.7

130 72.0 33.8 101.4

Manual Integrations
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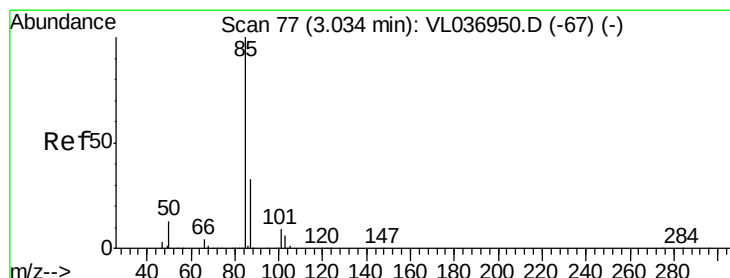
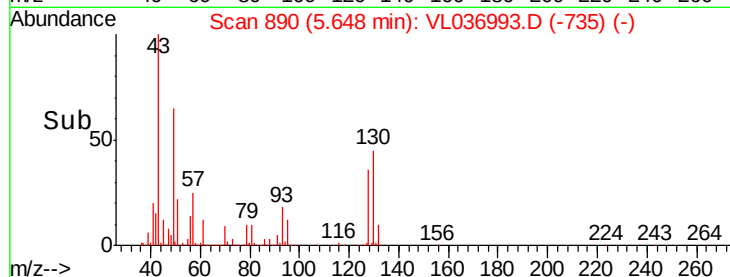
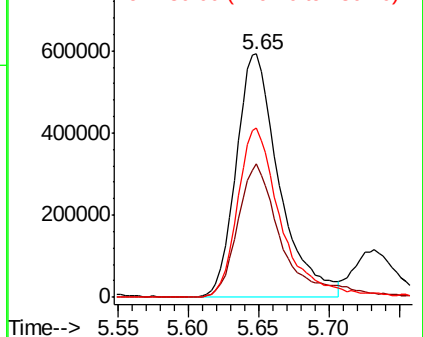
5/24/2021 3:01:30 PM



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: 9.540 ppbv

RT: 3.03 min Scan# 76

Delta R.T. -0.00 min

Lab File: VL036993.D

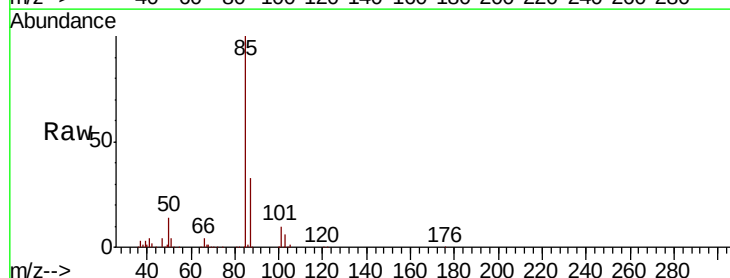
Acq: 19 May 2021 15:29

Tgt Ion: 85 Resp: 2041408

Ion Ratio Lower Upper

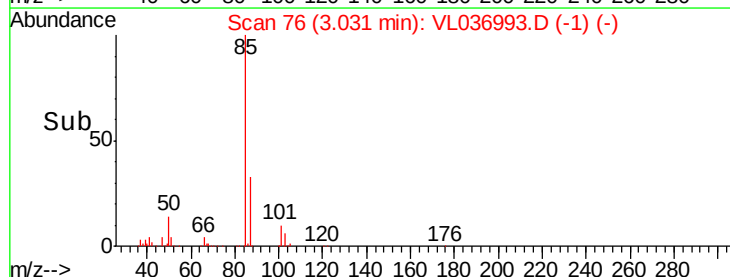
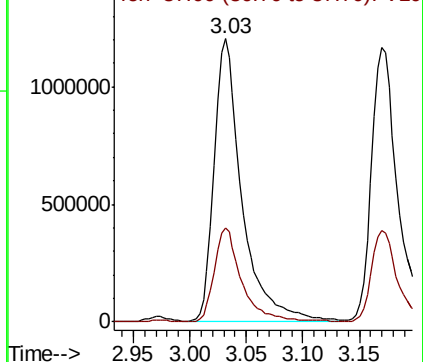
85 100

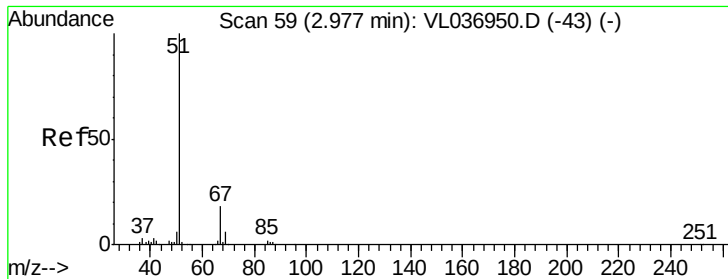
87 33.4 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.782 ppbv

RT: 2.97 min Scan# 57

Delta R.T. -0.01 min

Lab File: VL036993.D

Acq: 19 May 2021 15:29

Instrument :

MSVOA_L

ClientSampleId :

VL0519ABS01

Tot Ion: 51 Resp: 2260450

Ion Ratio Lower Upper

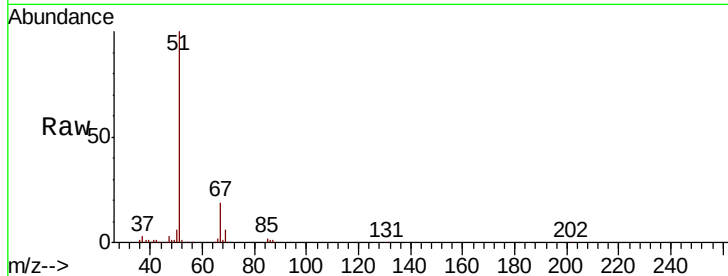
51 100

67 18.8 14.6 21.8

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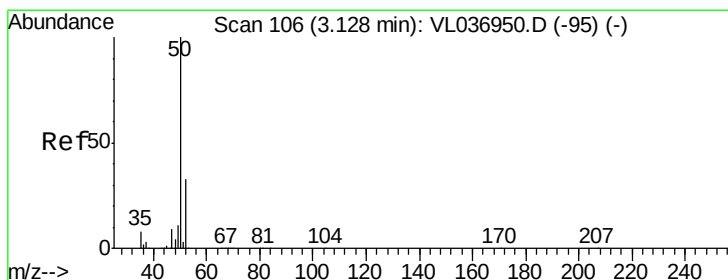
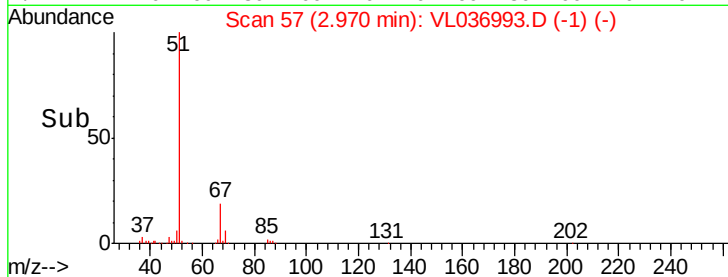
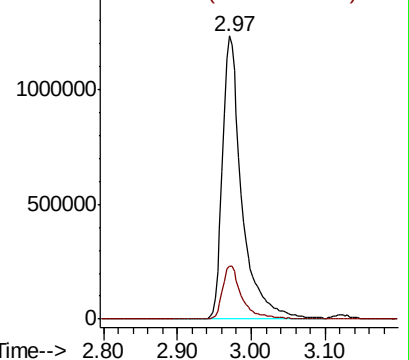
MMDadoda

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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.468 ppbv

RT: 3.12 min Scan# 105

Delta R.T. -0.00 min

Lab File: VL036993.D

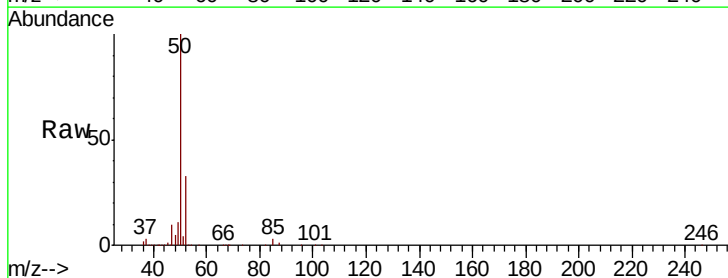
Acq: 19 May 2021 15:29

Tgt Ion: 50 Resp: 744501

Ion Ratio Lower Upper

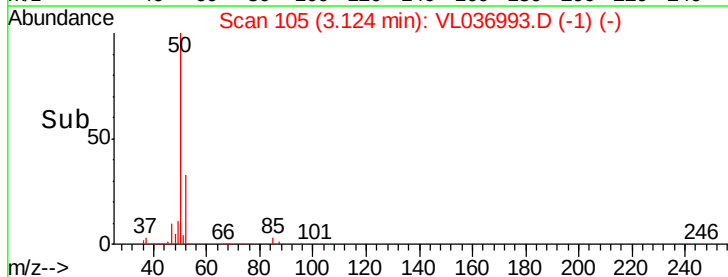
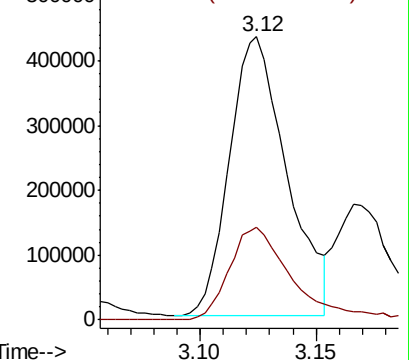
50 100

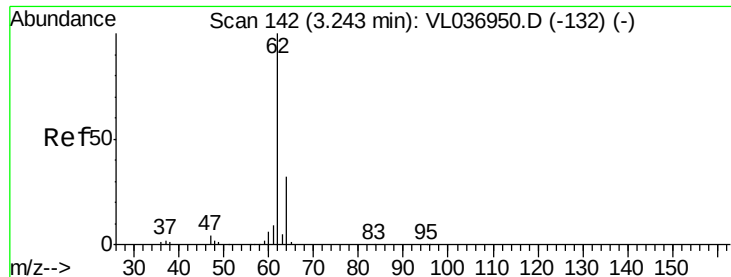
52 32.9 26.1 39.1



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.221 ppbv

RT: 3.24 min Scan# 141

Delta R.T. -0.00 min

Lab File: VL036993.D

Acq: 19 May 2021 15:29

Instrument :

MSVOA_L

ClientSampleID :

VL0519ABS01

Tot Ion: 62 Resp: 792619

Ion Ratio Lower Upper

62 100

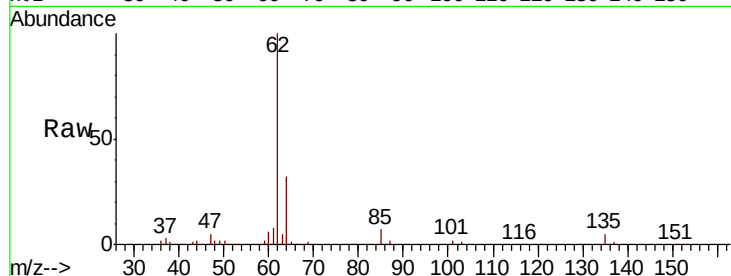
64 32.3 25.9 38.9

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

3.24

400000

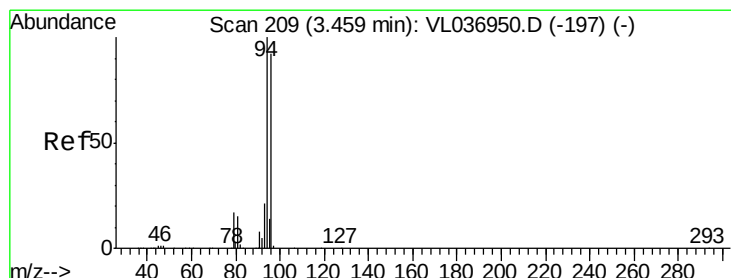
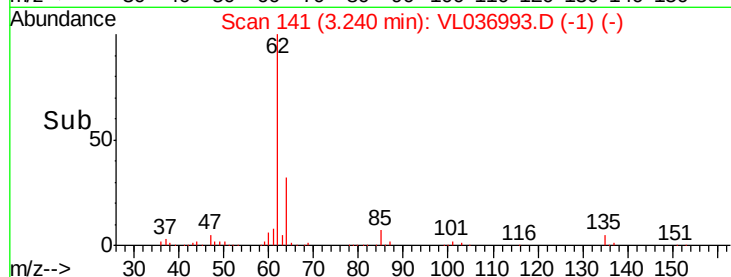
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 10.335 ppbv

RT: 3.46 min Scan# 208

Delta R.T. -0.00 min

Lab File: VL036993.D

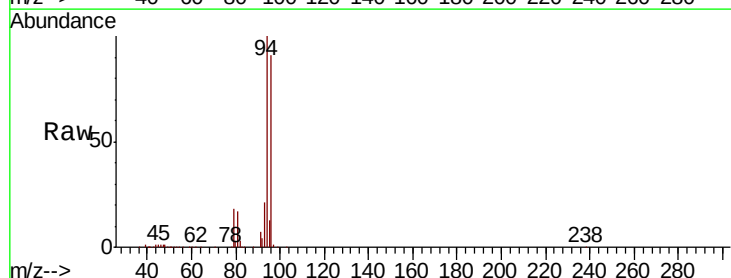
Acq: 19 May 2021 15:29

Tgt Ion: 94 Resp: 468116

Ion Ratio Lower Upper

94 100

96 91.4 74.0 111.0



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.46

250000

200000

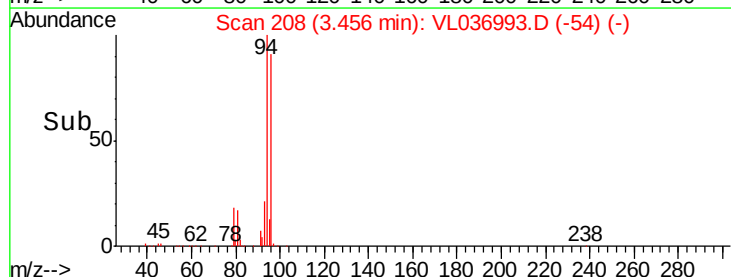
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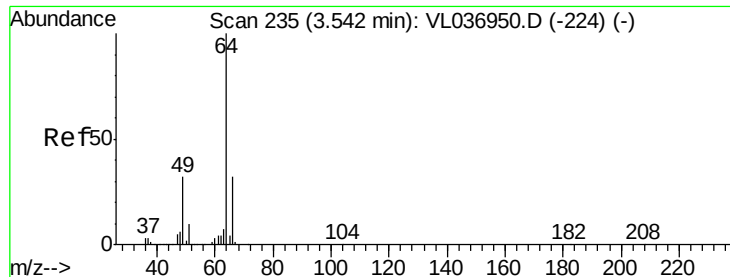
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50000

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Time-->





#7

Chloroethane

Concen: 9.914 ppbv

RT: 3.54 min Scan# 234

Delta R.T. -0.00 min

Lab File: VL036993.D

Acq: 19 May 2021 15:29

Instrument :

MSVOA_L

ClientSampleId :

VL0519ABS01

Tot Ion: 64 Resp: 276684

Ion Ratio Lower Upper

64 100

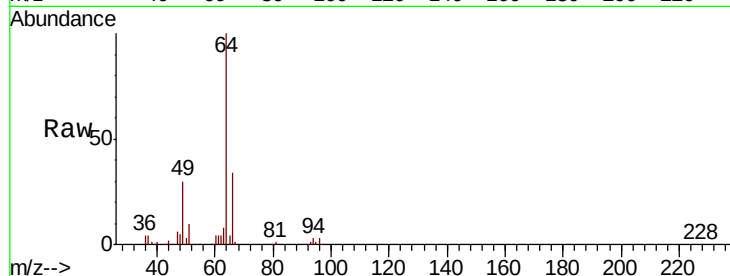
66 34.1 25.4 38.2

Manual Integrations

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.54

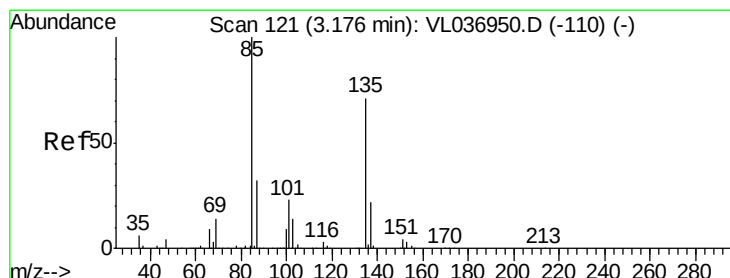
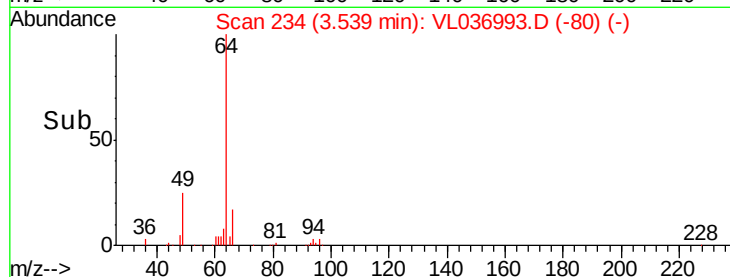
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100000

50000

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Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.737 ppbv

RT: 3.17 min Scan# 119

Delta R.T. -0.01 min

Lab File: VL036993.D

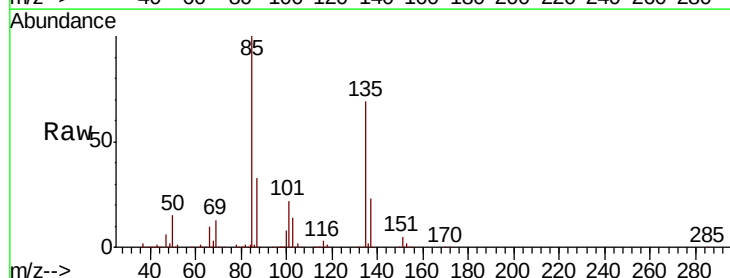
Acq: 19 May 2021 15:29

Tgt Ion: 85 Resp: 1956274

Ion Ratio Lower Upper

85 100

135 73.8 57.7 86.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

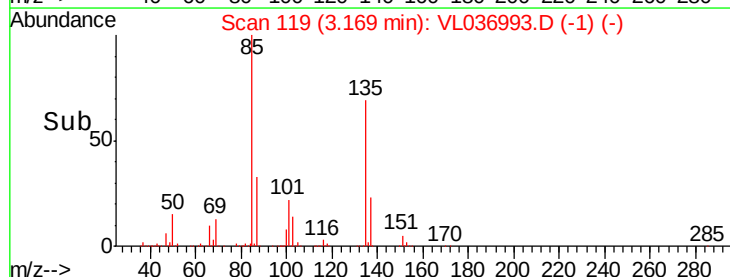
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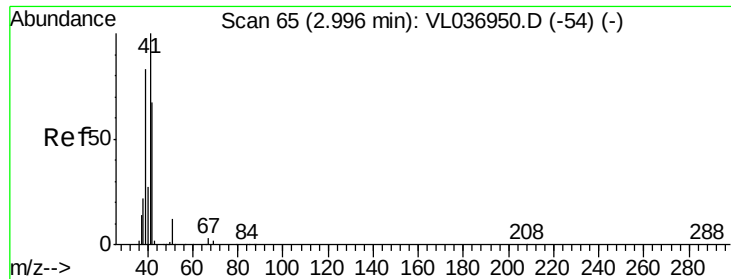
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500000

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Time-->





#9

Propene

Concen: 9.278 ppbv

RT: 2.99 min Scan# 64

Delta R.T. -0.00 min

Lab File: VL036993.D

Acq: 19 May 2021 15:29

Instrument :

MSVOA_L

ClientSampleId :

VL0519ABS01

Tot Ion: 41 Resp: 767735

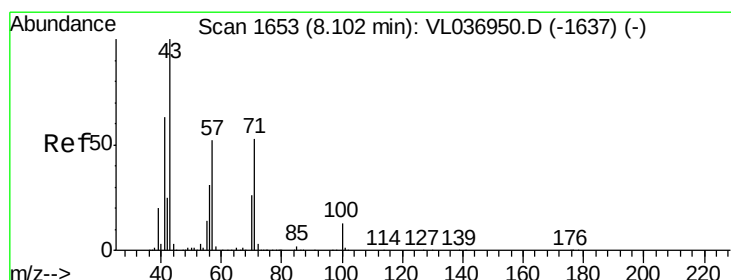
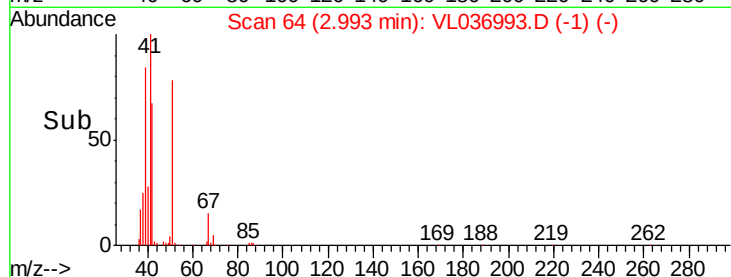
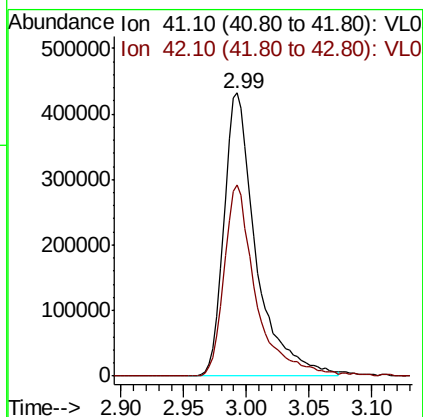
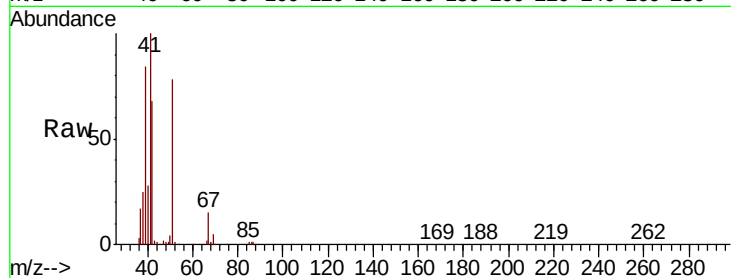
Ion Ratio Lower Upper

41 100

42 67.8 53.9 80.9

Manual Integrations
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#10

Heptane

Concen: 9.510 ppbv

RT: 8.10 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VL036993.D

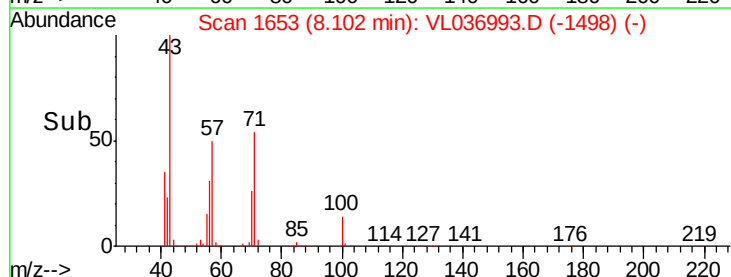
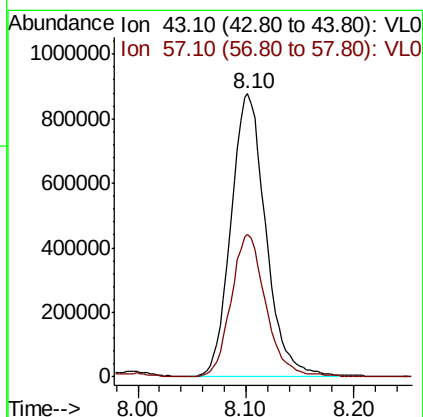
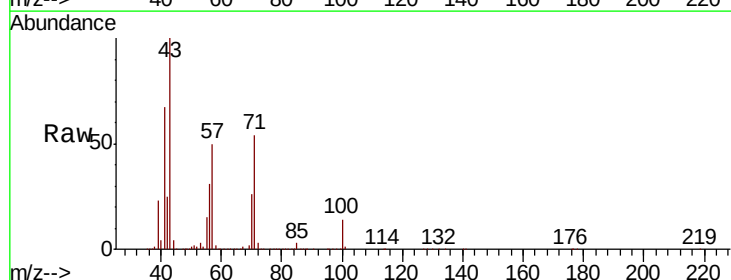
Acq: 19 May 2021 15:29

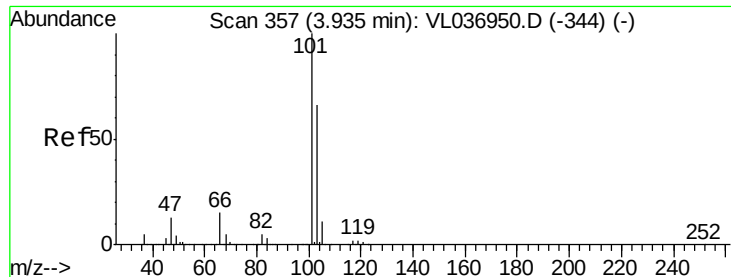
Tgt Ion: 43 Resp: 1961189

Ion Ratio Lower Upper

43 100

57 50.2 41.0 61.6





#11

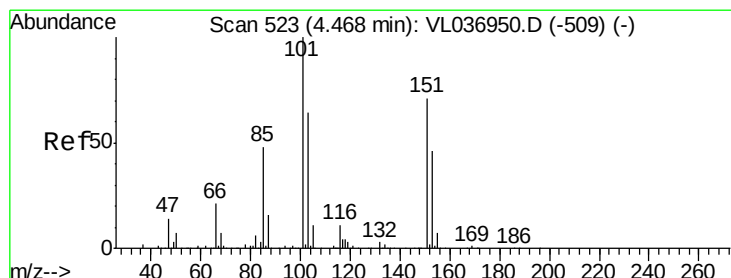
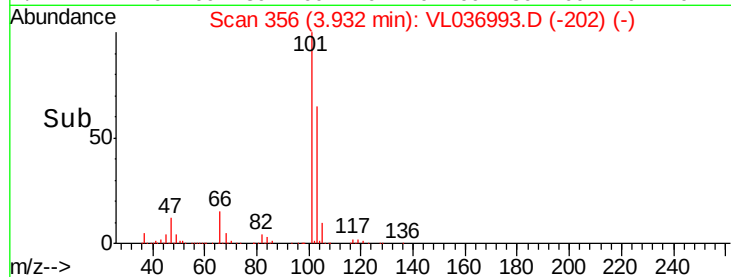
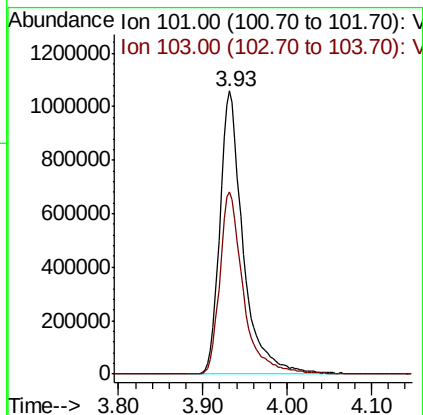
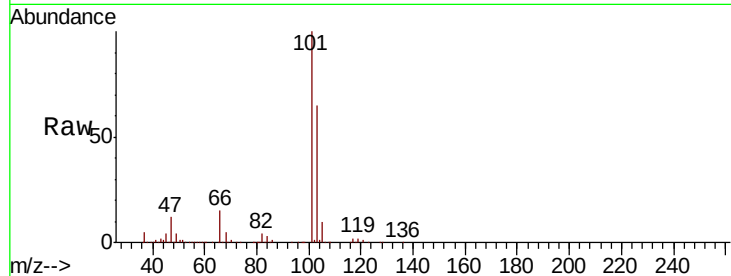
Trichlorofluoromethane
 Concen: 10.276 ppbv
 RT: 3.93 min Scan# 356
 Delta R.T. -0.00 min
 Lab File: VL036993.D
 Acq: 19 May 2021 15:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0519ABS01

Tot Ion:101 Resp: 2035285
 Ion Ratio Lower Upper
 101 100
 103 64.5 52.6 79.0

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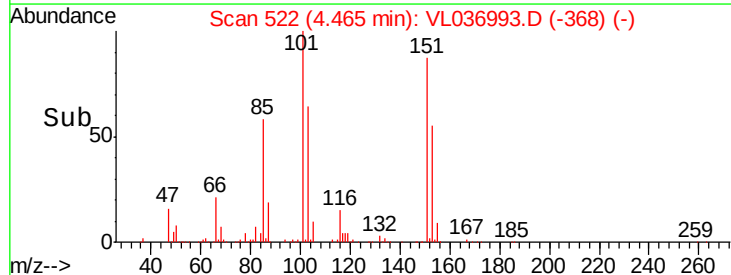
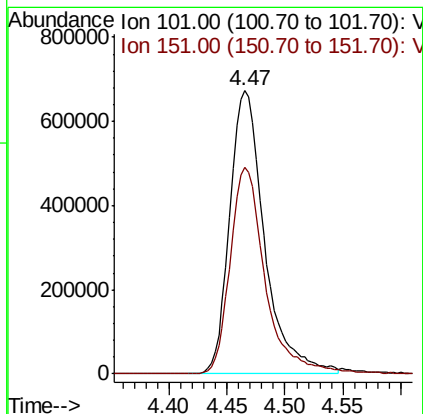
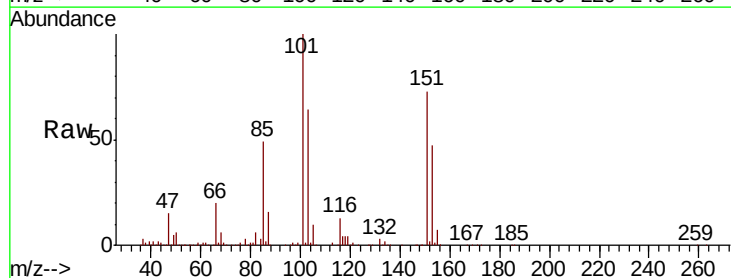
MMDadoda
 5/24/2021 3:01:30 PM

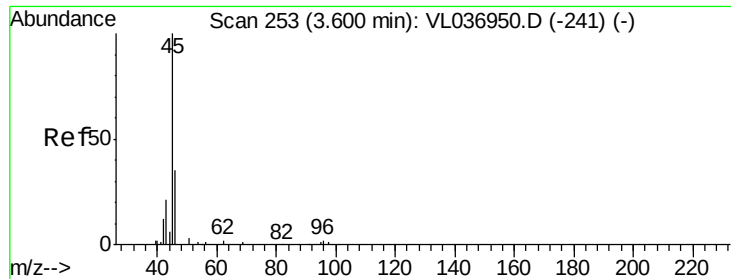


#12

1,1,2-Trichlorotrifluoroethane
 Concen: 9.933 ppbv
 RT: 4.47 min Scan# 522
 Delta R.T. -0.00 min
 Lab File: VL036993.D
 Acq: 19 May 2021 15:29

Tgt Ion:101 Resp: 1401395
 Ion Ratio Lower Upper
 101 100
 151 73.7 57.7 86.5





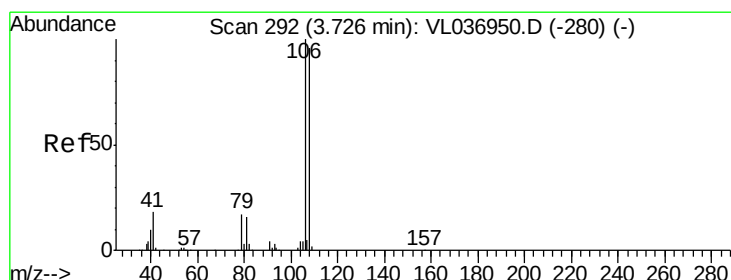
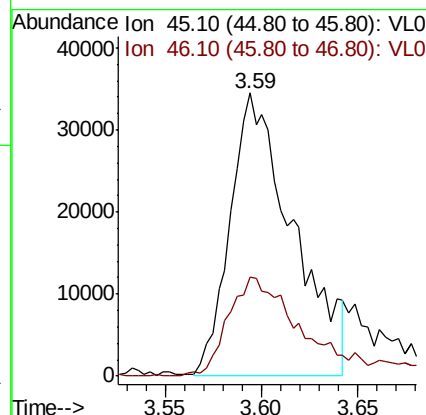
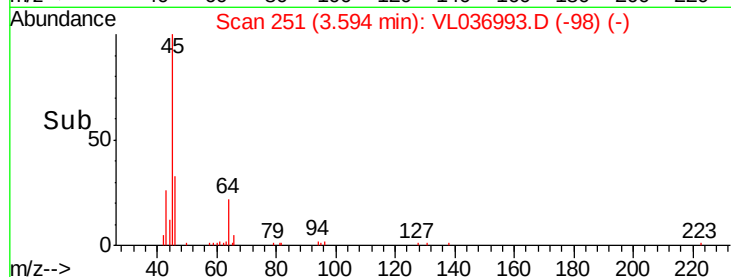
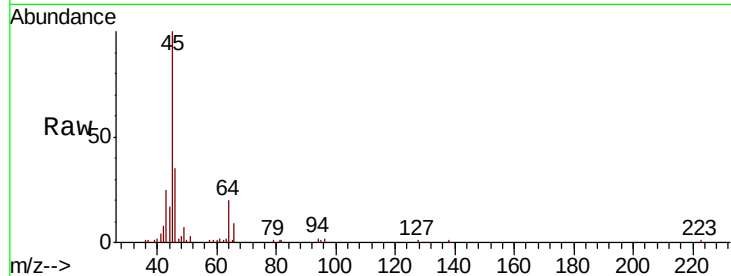
#13
Ethanol
Concen: 7.111 ppbv m
RT: 3.59 min Scan# 251
Delta R.T. -0.01 min
Lab File: VL036993.D
Acq: 19 May 2021 15:29

Instrument :
MSVOA_L
ClientSampleId :
VL0519ABS01

Tot Ion	Ratio	Lower	Upper
45	100		
46	0.0	16.3	65.3#

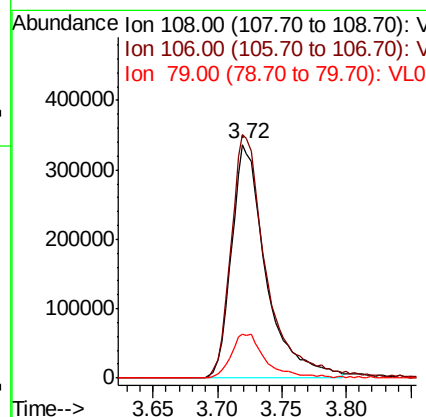
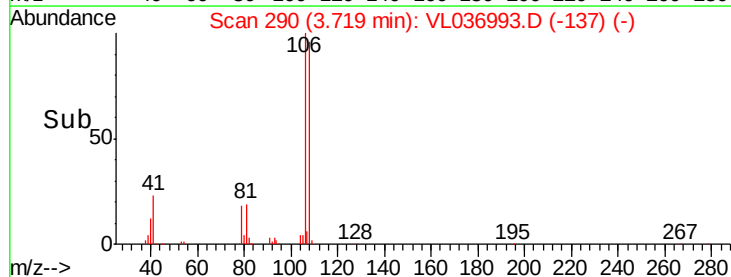
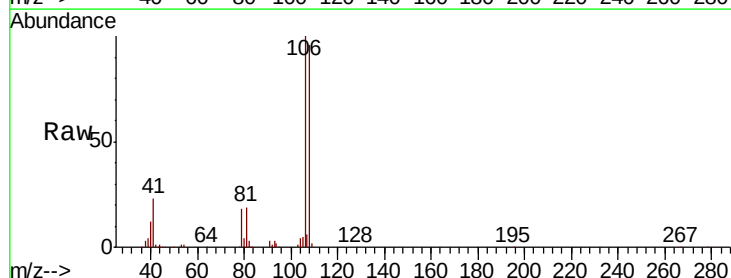
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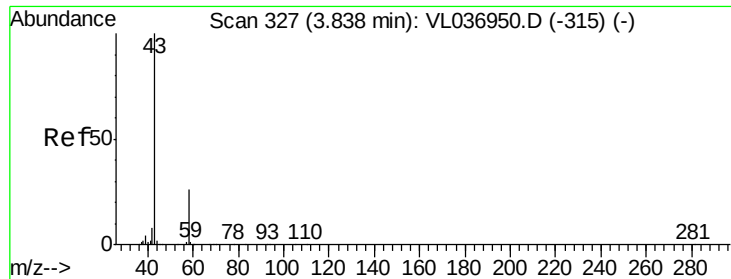
MMDadoda
5/24/2021 3:01:30 PM



#14
Bromoethene
Concen: 10.074 ppbv
RT: 3.72 min Scan# 290
Delta R.T. -0.01 min
Lab File: VL036993.D
Acq: 19 May 2021 15:29

Tgt Ion	Ratio	Lower	Upper
108	100		
106	108.3	86.5	129.7
79	19.4	15.0	22.4





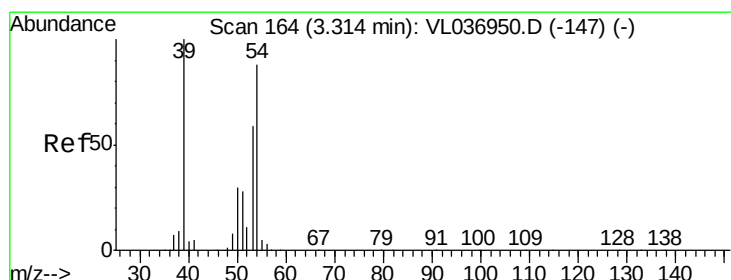
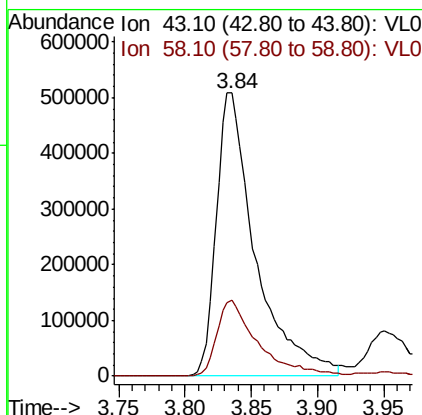
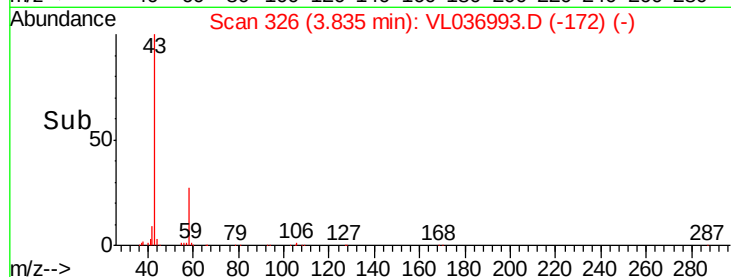
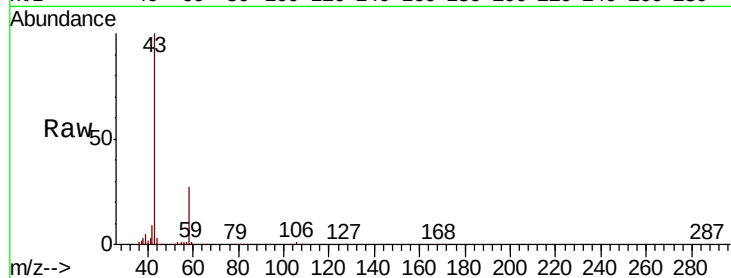
#15
Acetone
Concen: 8.059 ppbv
RT: 3.84 min Scan# 326
Delta R.T. -0.00 min
Lab File: VL036993.D
Acq: 19 May 2021 15:29

Instrument :
MSVOA_L
ClientSampleId :
VL0519ABS01

Tot Ion: 43 Resp: 1041185
Ion Ratio Lower Upper
43 100
58 27.9 24.0 36.0

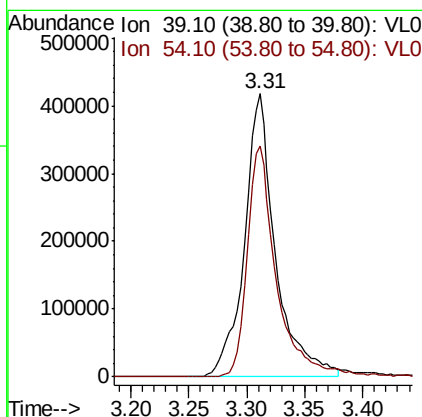
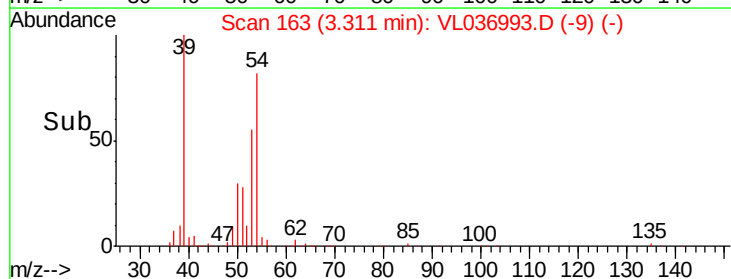
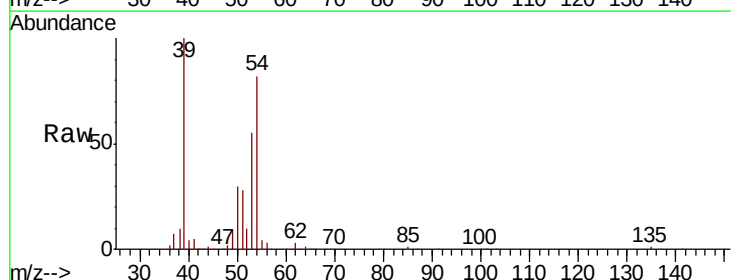
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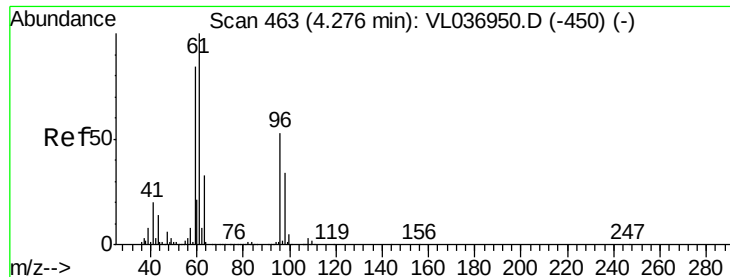
MMDadoda
5/24/2021 3:01:30 PM



#16
1,3-Butadiene
Concen: 9.735 ppbv
RT: 3.31 min Scan# 163
Delta R.T. -0.00 min
Lab File: VL036993.D
Acq: 19 May 2021 15:29

Tgt Ion: 39 Resp: 781435
Ion Ratio Lower Upper
39 100
54 77.2 63.2 94.8





#17

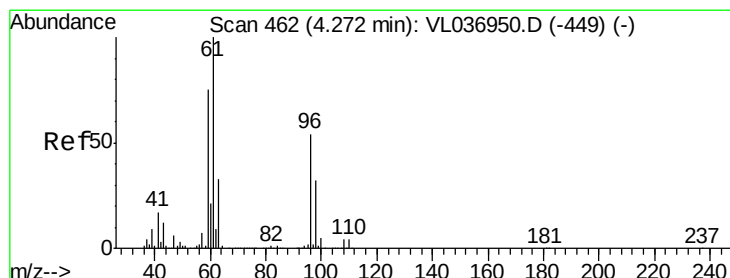
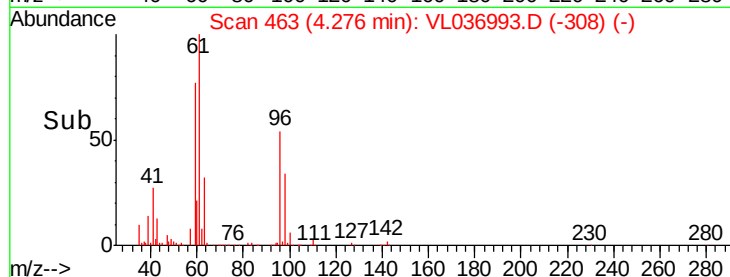
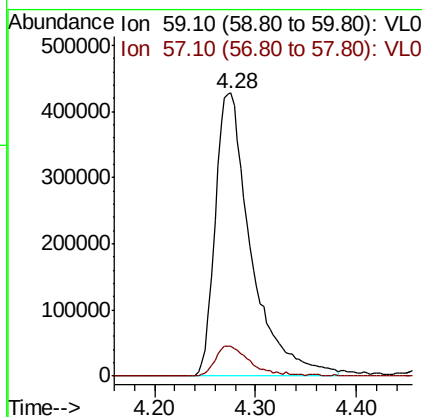
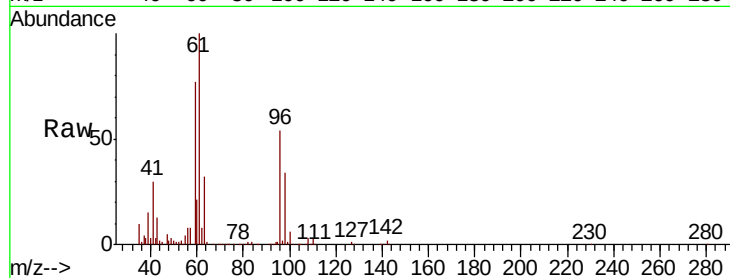
tert-Butyl alcohol
Concen: 8.939 ppbv
RT: 4.28 min Scan# 463
Delta R.T. -0.00 min
Lab File: VL036993.D
Acq: 19 May 2021 15:29

Instrument :
MSVOA_L
ClientSampleId :
VL0519ABS01

Tot Ion: 59 Resp: 1057874
Ion Ratio Lower Upper
59 100
57 11.1 8.3 12.5

Manual Integrations
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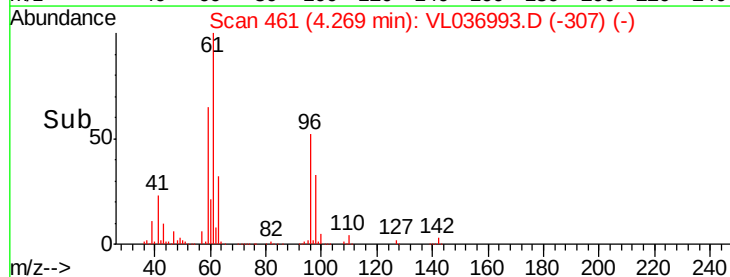
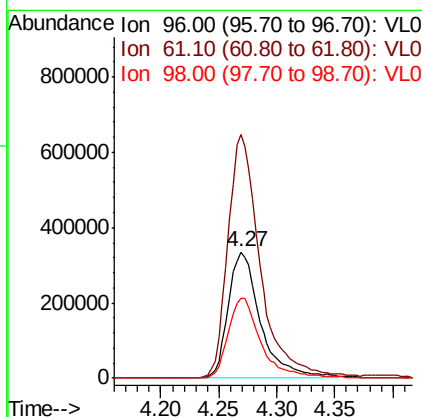
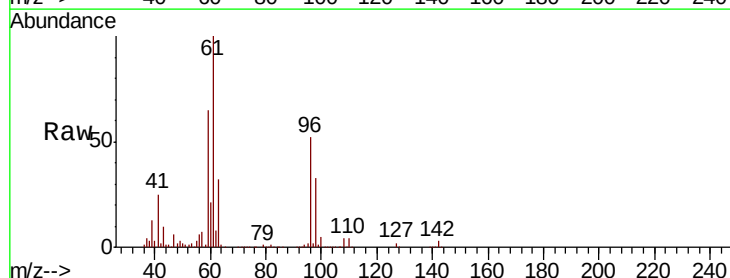
MMDadoda
5/24/2021 3:01:30 PM

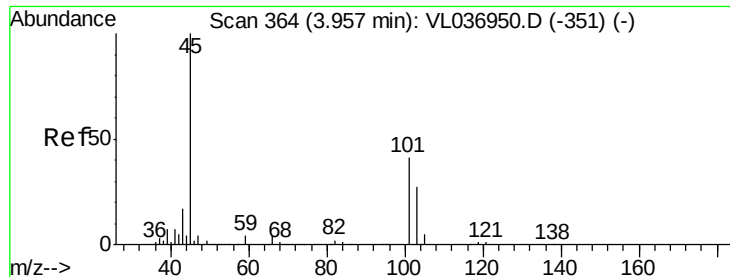


#18

1,1-Dichloroethene
Concen: 9.876 ppbv
RT: 4.27 min Scan# 461
Delta R.T. -0.00 min
Lab File: VL036993.D
Acq: 19 May 2021 15:29

Tgt Ion: 96 Resp: 644296
Ion Ratio Lower Upper
96 100
61 192.7 148.2 222.4
98 62.9 47.8 71.6





#19

Isopropyl Alcohol

Concen: 8.476 ppbv

RT: 3.95 min Scan# 363

Delta R.T. -0.00 min

Lab File: VL036993.D

Acq: 19 May 2021 15:29

Instrument :

MSVOA_L

ClientSampleId :

VL0519ABS01

Tot Ion: 45 Resp: 588646

Ion Ratio Lower Upper

45 100

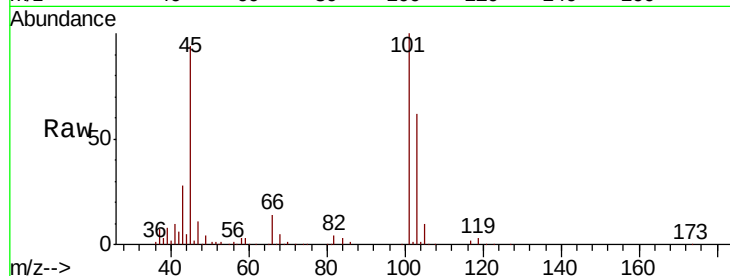
58 3.8 37.2 55.8#

Manual Integrations

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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

300000

250000

200000

150000

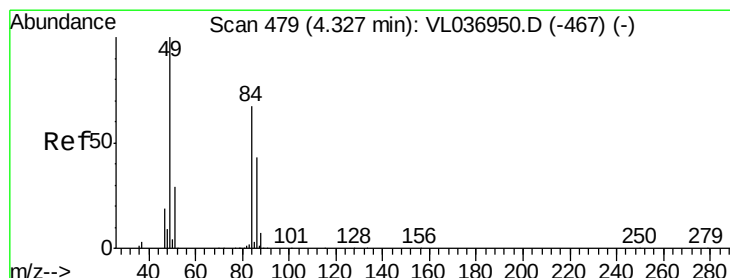
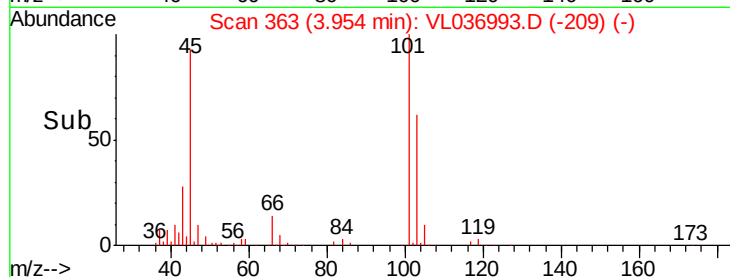
100000

50000

0

3.90 3.95 4.00

Time-->



#20

Methylene Chloride

Concen: 7.836 ppbv

RT: 4.33 min Scan# 479

Delta R.T. -0.00 min

Lab File: VL036993.D

Acq: 19 May 2021 15:29

Tgt Ion: 84 Resp: 542658

Ion Ratio Lower Upper

84 100

49 150.8 119.8 179.6

51 44.8 35.1 52.7

86 63.5 50.9 76.3

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

600000

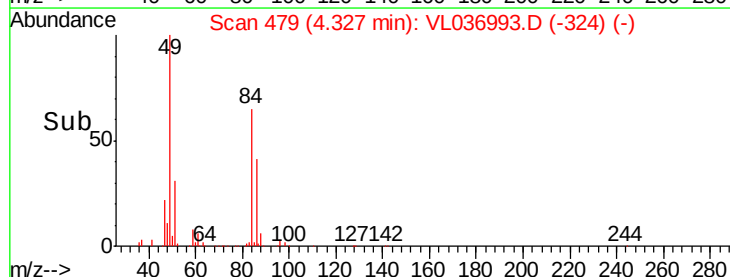
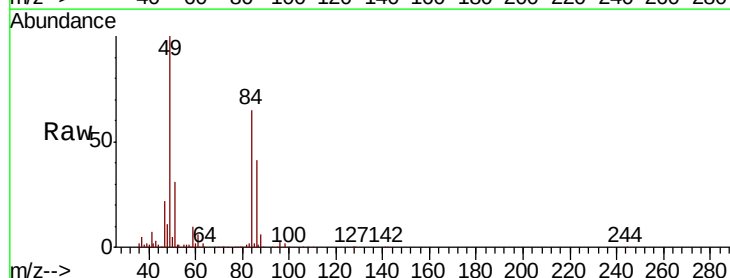
400000

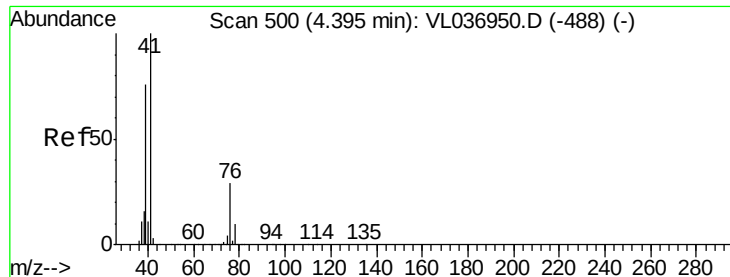
200000

0

4.25 4.30 4.35 4.40

Time-->





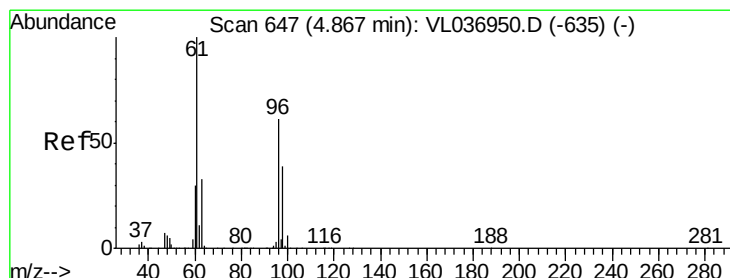
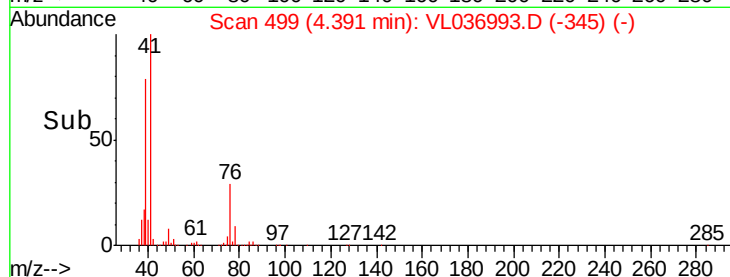
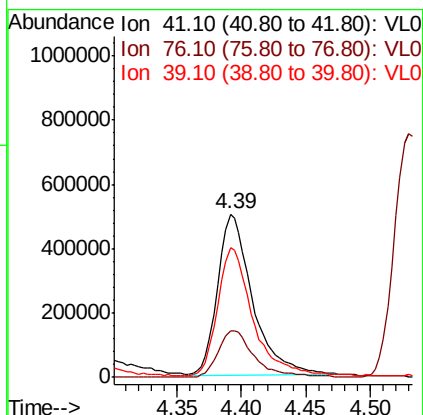
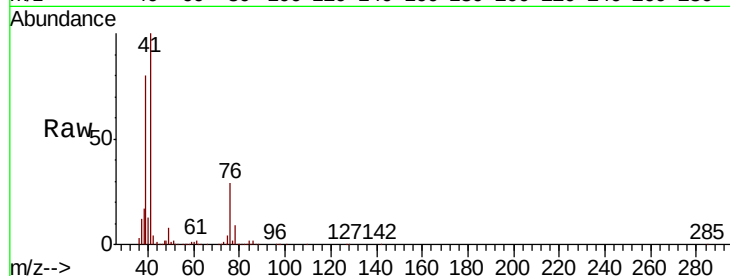
#21
Allvl Chloride
Concen: 9.672 ppbv
RT: 4.39 min Scan# 499
Delta R.T. -0.00 min
Lab File: VL036993.D
Acq: 19 May 2021 15:29

Instrument :
MSVOA_L
ClientSampleId :
VL0519ABS01

Tot Ion	Ratio	Lower	Upper
41	100		
76	30.5	24.9	37.3
39	81.7	63.7	95.5

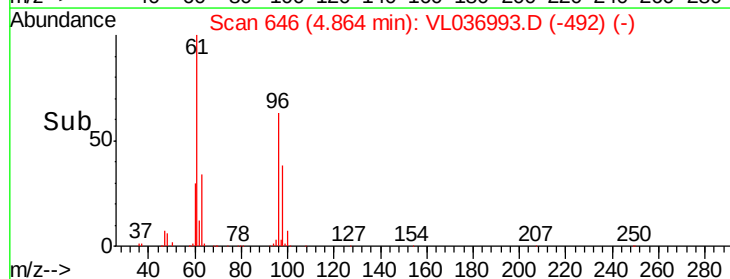
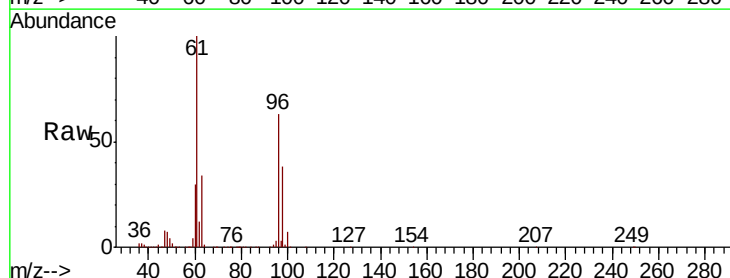
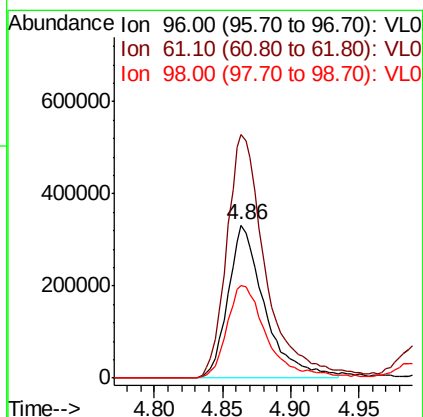
Manual Integrations
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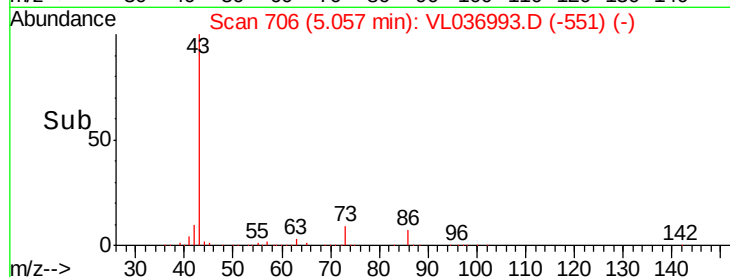
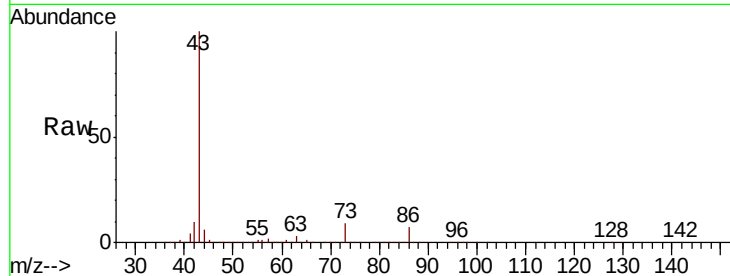
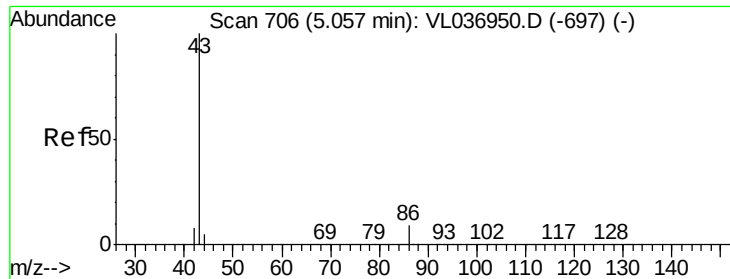
MMDadoda
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#22
trans-1,2-Dichloroethene
Concen: 9.914 ppbv
RT: 4.86 min Scan# 646
Delta R.T. -0.00 min
Lab File: VL036993.D
Acq: 19 May 2021 15:29

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.3	130.6	196.0
98	61.0	50.8	76.2





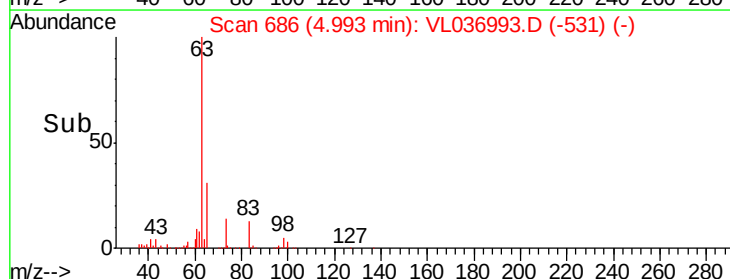
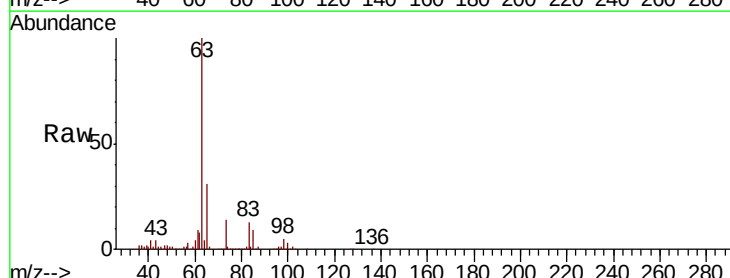
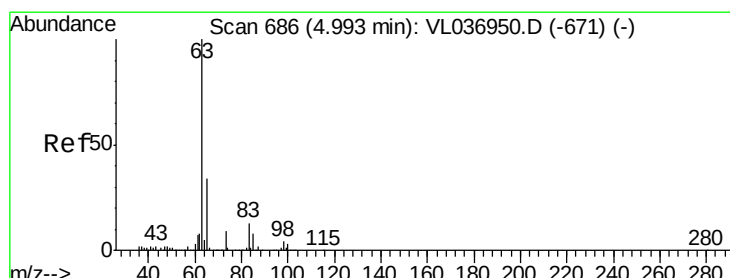
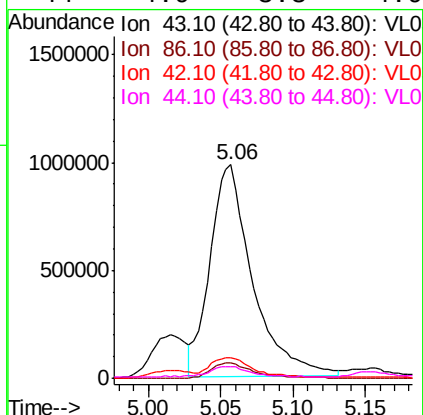
#23
 Vinyl Acetate
 Concen: 9.830 ppbv
 RT: 5.06 min Scan# 706
 Delta R.T. -0.00 min
 Lab File: VL036993.D
 Acq: 19 May 2021 15:29

Tot Ion	43	Resp	2015859
Ion	Ratio	Lower	Upper
43	100		
86	7.1	5.8	8.8
42	9.6	7.4	11.2
44	4.9	3.3	4.9

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0519ABS01

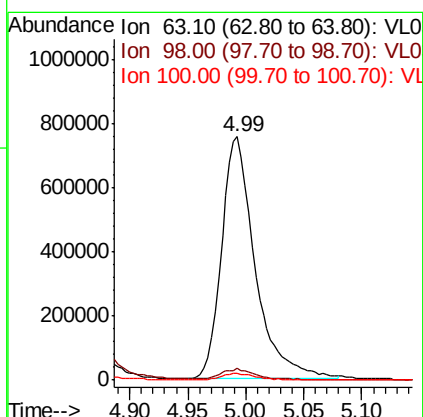
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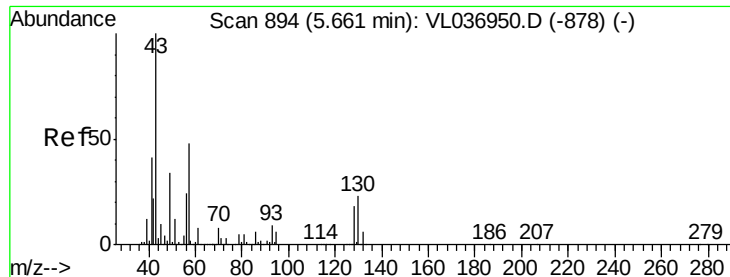
MMDadoda
 5/24/2021 3:01:30 PM



#24
 1,1-Dichloroethane
 Concen: 10.367 ppbv
 RT: 4.99 min Scan# 686
 Delta R.T. -0.00 min
 Lab File: VL036993.D
 Acq: 19 May 2021 15:29

Tgt Ion	63	Resp	1530315
Ion	Ratio	Lower	Upper
63	100		
98	4.4	2.3	6.9
100	2.9	1.4	4.0





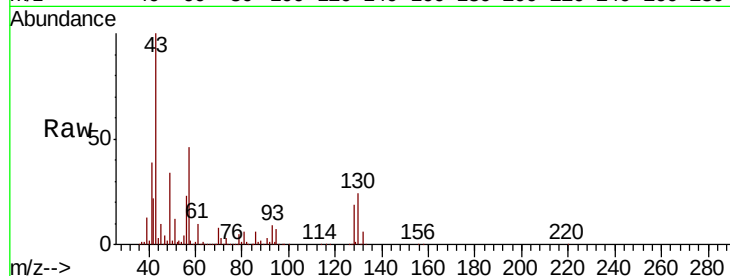
#25
Ethyl Acetate
Concen: 9.561 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.00 min
Lab File: VL036993.D
Acq: 19 May 2021 15:29

Instrument :
MSVOA_L
ClientSampleId :
VL0519ABS01

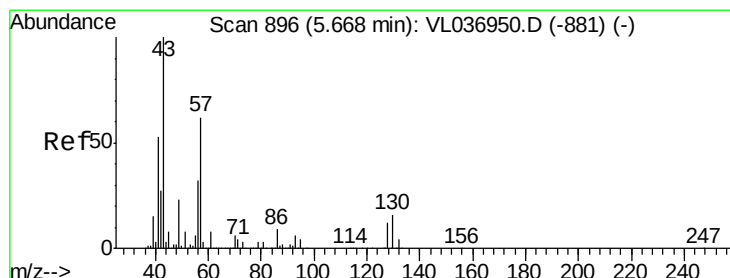
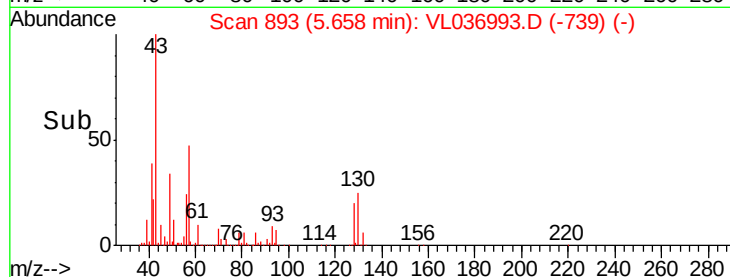
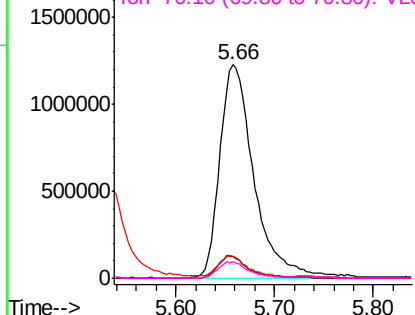
Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	9.8	7.8	11.8	
61	10.2	7.8	11.8	
70	6.9	5.6	8.4	

Manual Integrations
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MMDadoda
5/24/2021 3:01:30 PM



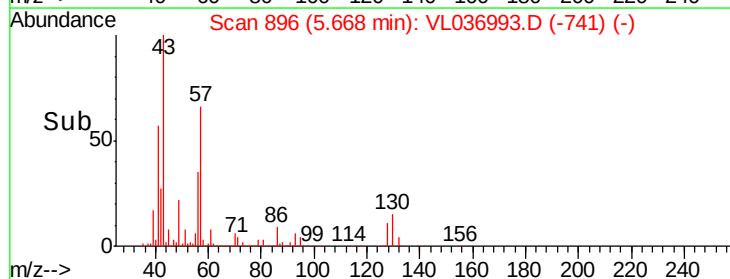
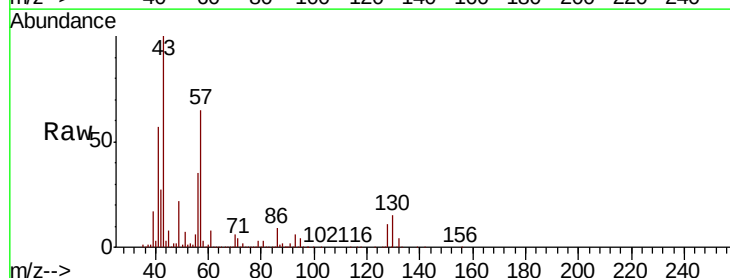
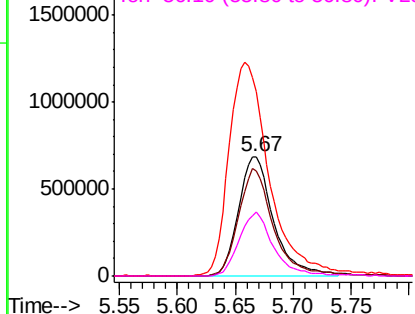
Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

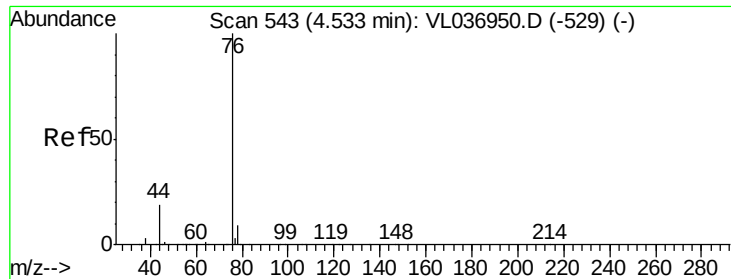


#26
Hexane
Concen: 9.048 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.00 min
Lab File: VL036993.D
Acq: 19 May 2021 15:29

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	91.1	70.5	105.7	
43	210.0	165.8	248.8	
56	53.3	42.2	63.4	

Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 9.620 ppbv

RT: 4.53 min Scan# 542

Delta R.T. -0.00 min

Lab File: VL036993.D

Acq: 19 May 2021 15:29

Instrument :

MSVOA_L

ClientSampleId :

VL0519ABS01

Tot Ion: 76 Resp: 1537734

Ion Ratio Lower Upper

76 100

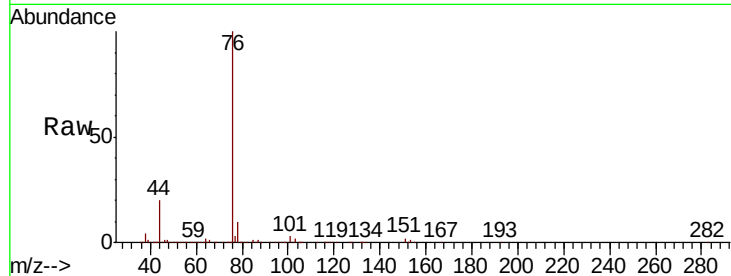
44 19.2 15.5 23.3

78 9.5 7.8 11.6

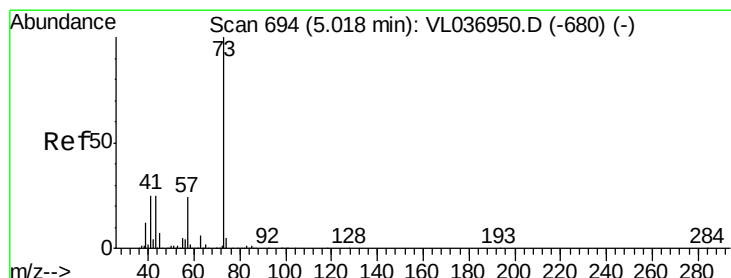
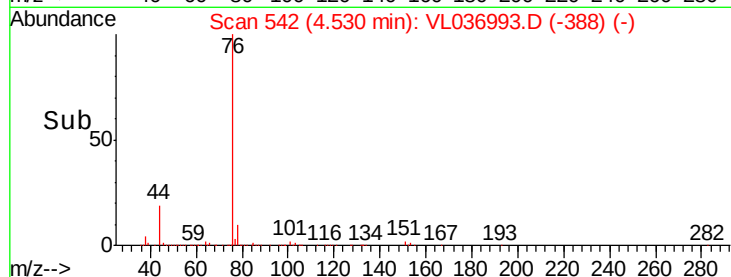
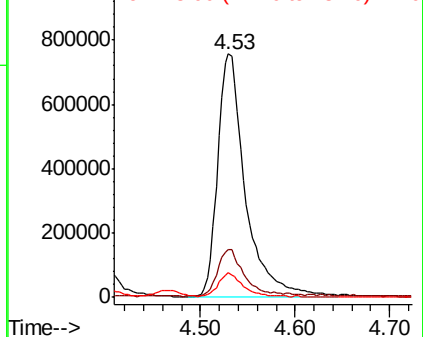
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Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 9.092 ppbv

RT: 5.02 min Scan# 693

Delta R.T. -0.00 min

Lab File: VL036993.D

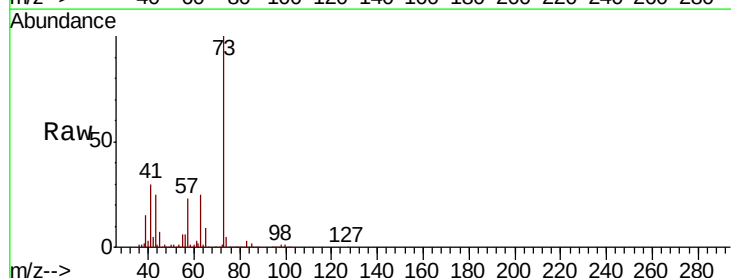
Acq: 19 May 2021 15:29

Tgt Ion: 73 Resp: 1728541

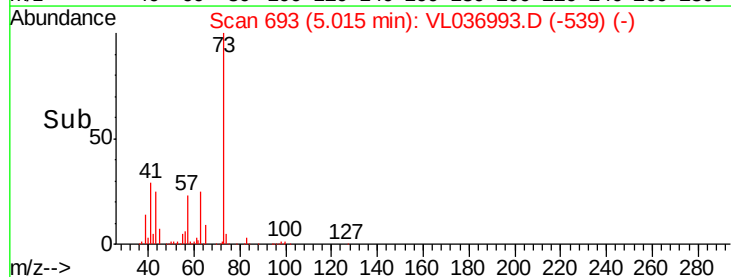
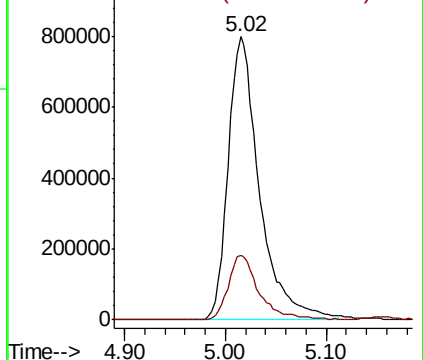
Ion Ratio Lower Upper

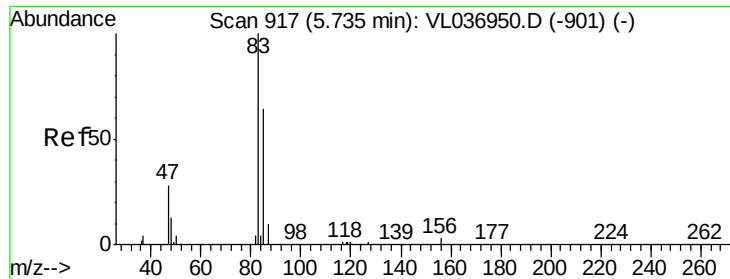
73 100

57 22.7 18.3 27.5



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





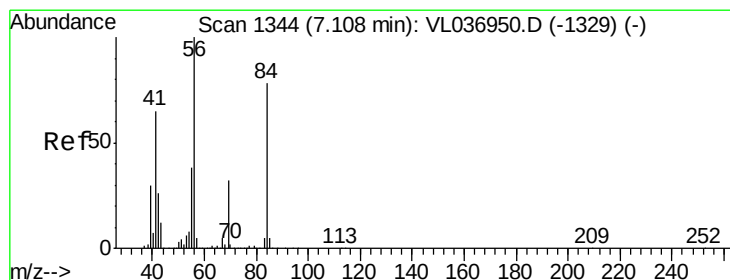
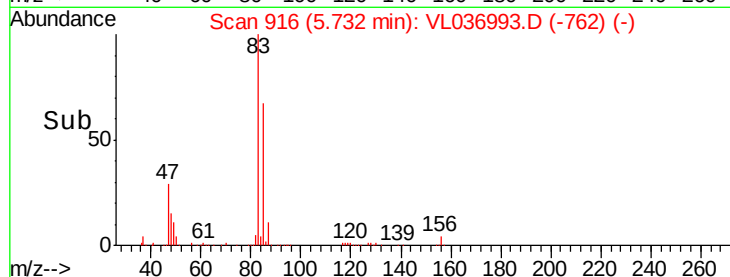
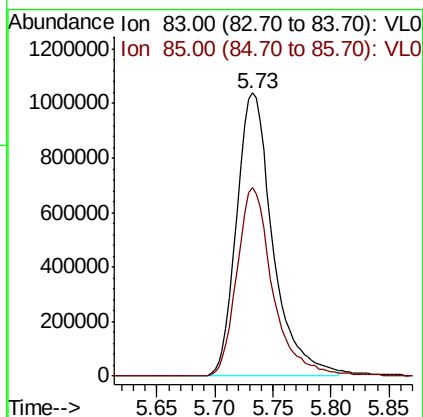
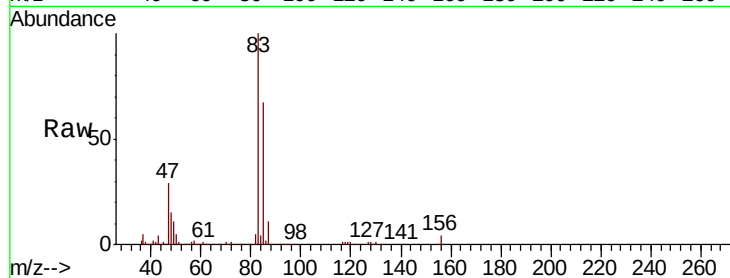
#29
Chloroform
Concen: 10.059 ppbv
RT: 5.73 min Scan# 916
Delta R.T. -0.00 min
Lab File: VL036993.D
Acq: 19 May 2021 15:29

Instrument :
MSVOA_L
ClientSampleId :
VL0519ABS01

Tot Ion: 83 Resp: 2253982
Ion Ratio Lower Upper
83 100
85 66.4 51.1 76.7

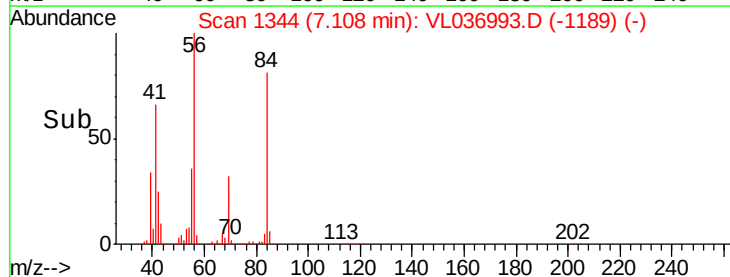
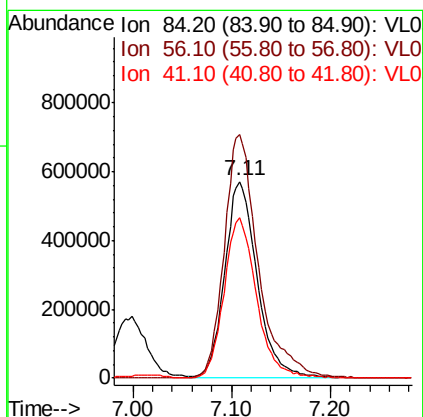
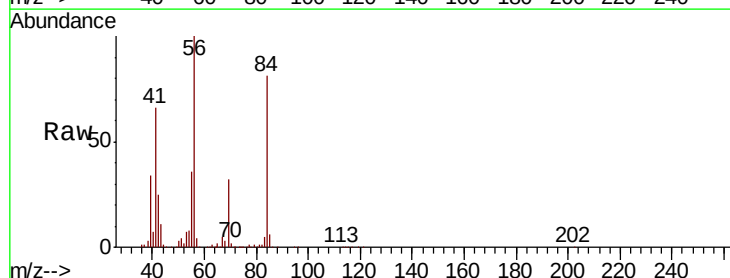
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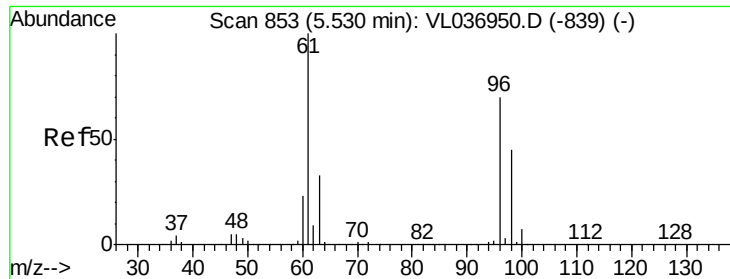
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#30
Cyclohexane
Concen: 9.677 ppbv
RT: 7.11 min Scan# 1344
Delta R.T. -0.00 min
Lab File: VL036993.D
Acq: 19 May 2021 15:29

Tgt Ion: 84 Resp: 1304247
Ion Ratio Lower Upper
84 100
56 131.9 107.9 161.9
41 82.9 65.5 98.3





#31

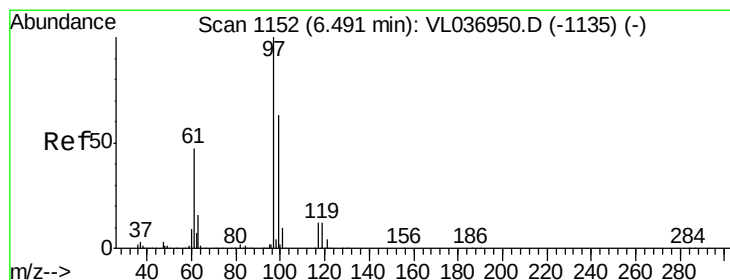
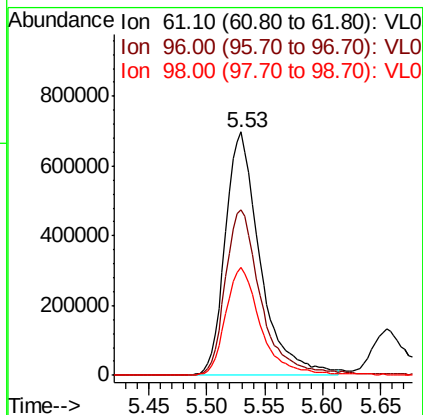
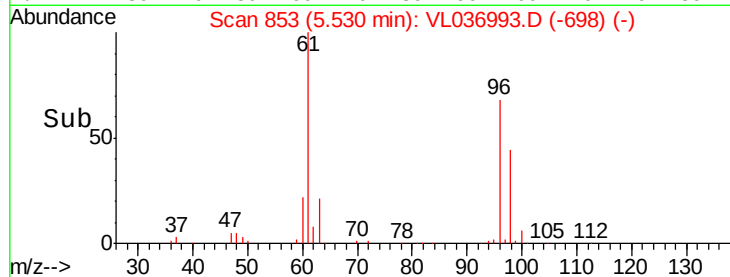
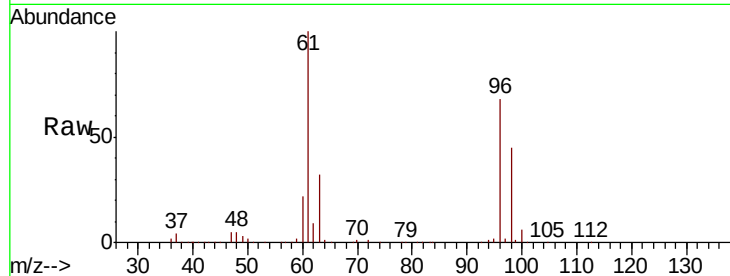
cis-1,2-Dichloroethene
Concen: 10.179 ppbv
RT: 5.53 min Scan# 853
Delta R.T. -0.00 min
Lab File: VL036993.D
Acq: 19 May 2021 15:29

Instrument :
MSVOA_L
ClientSampleId :
VL0519ABS01

Tot Ion	Ratio	Lower	Upper
61	100		
96	68.0	55.9	83.9
98	44.6	35.6	53.4

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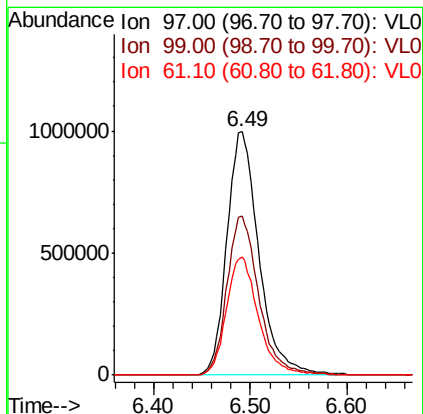
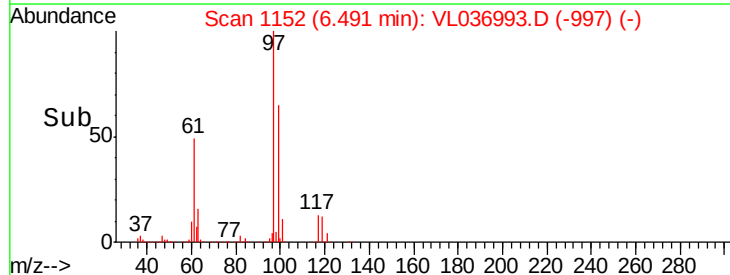
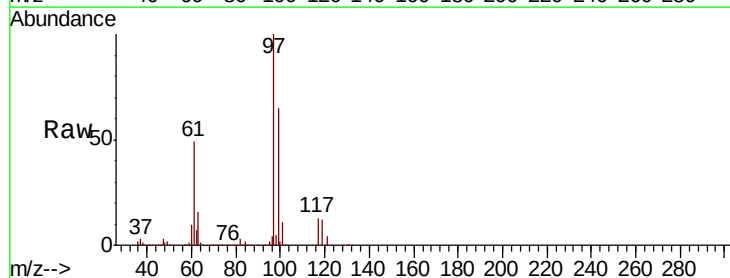
MMDadoda
5/24/2021 3:01:30 PM

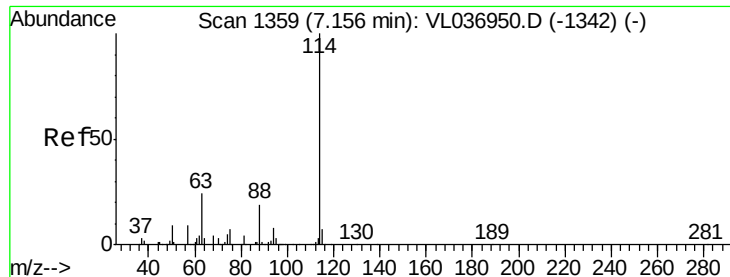


#32

1,1,1-Trichloroethane
Concen: 9.527 ppbv
RT: 6.49 min Scan# 1152
Delta R.T. -0.00 min
Lab File: VL036993.D
Acq: 19 May 2021 15:29

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.9	77.9
61	48.6	37.6	56.4





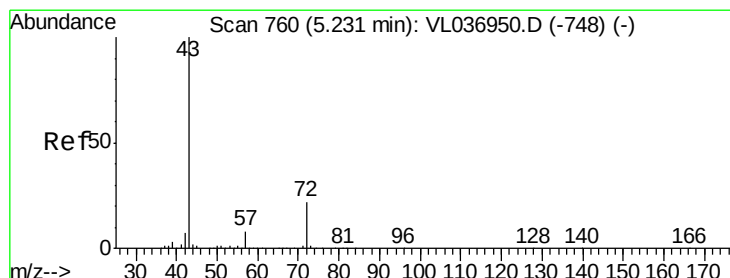
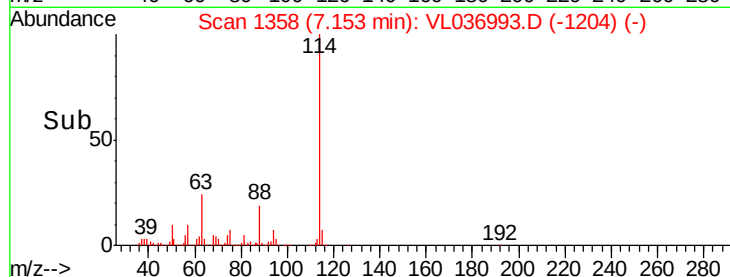
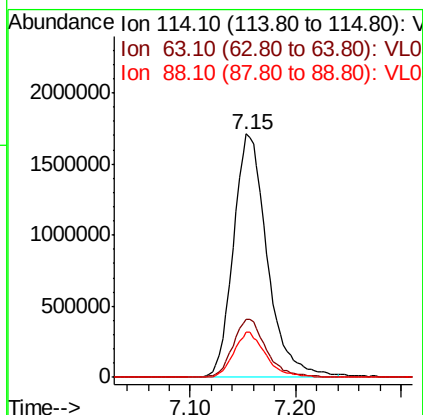
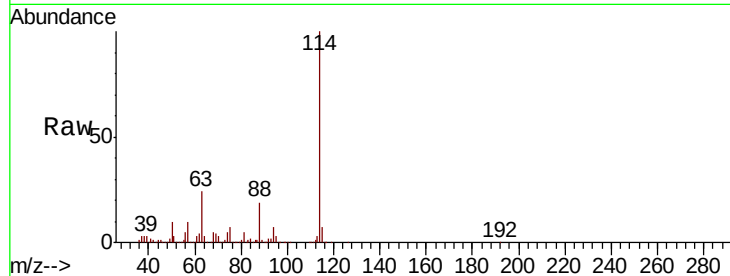
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15 min Scan# 1358
 Delta R.T. -0.00 min
 Lab File: VL036993.D
 Acq: 19 May 2021 15:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0519ABS01

Tot Ion	Ratio	Lower	Upper
114	100		
63	23.9	19.6	29.4
88	17.9	14.6	21.8

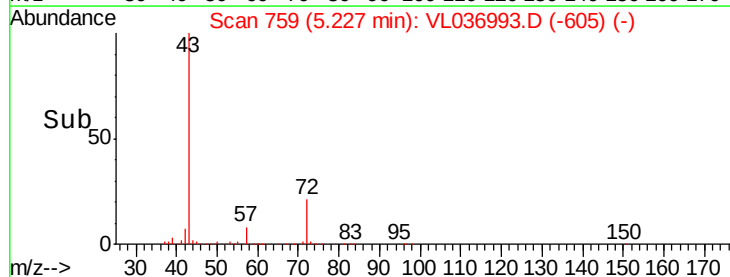
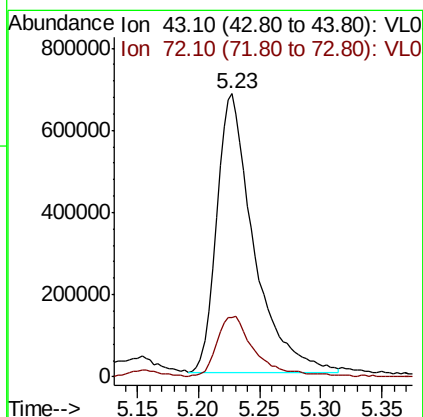
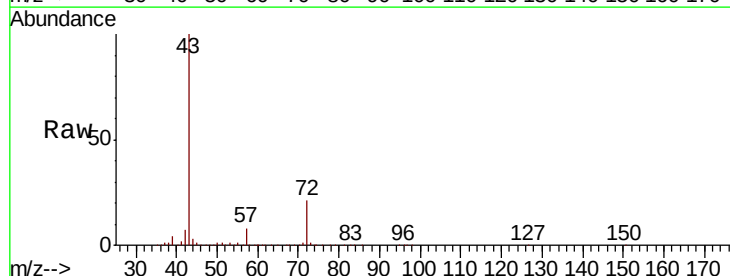
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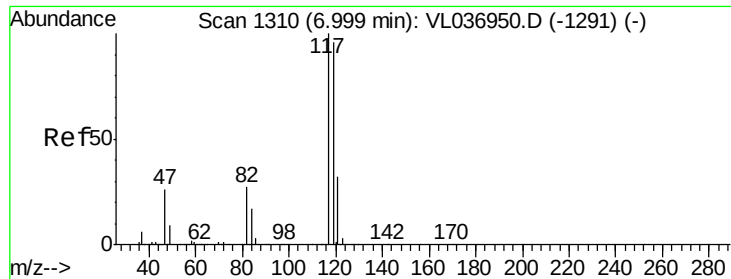
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#34
 2-Butanone
 Concen: 10.367 ppbv
 RT: 5.23 min Scan# 759
 Delta R.T. -0.00 min
 Lab File: VL036993.D
 Acq: 19 May 2021 15:29

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.7	19.0	28.4





#35

Carbon Tetrachloride

Concen: 9.681 ppbv

RT: 7.00 min Scan# 1309

Delta R.T. -0.00 min

Lab File: VL036993.D

Acq: 19 May 2021 15:29

Instrument :

MSVOA_L

ClientSampleId :

VL0519ABS01

Tot Ion:117 Resp: 2446186

Ion Ratio Lower Upper

117 100

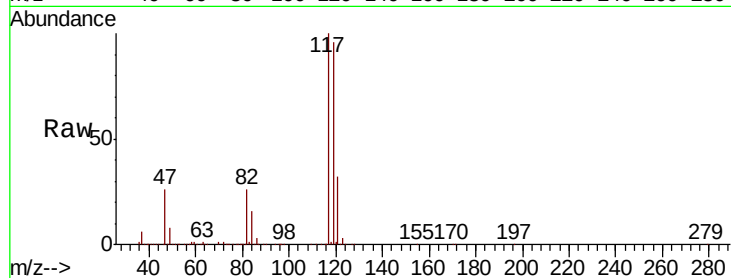
119 96.4 76.6 114.8

121 31.8 25.8 38.6

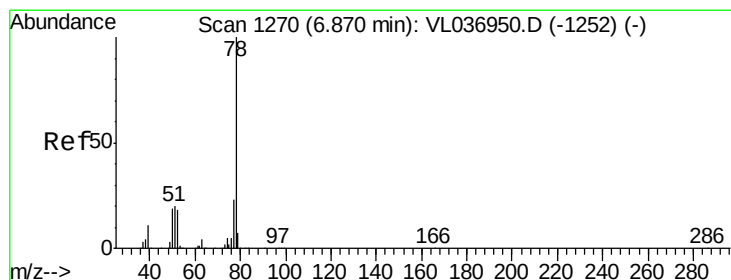
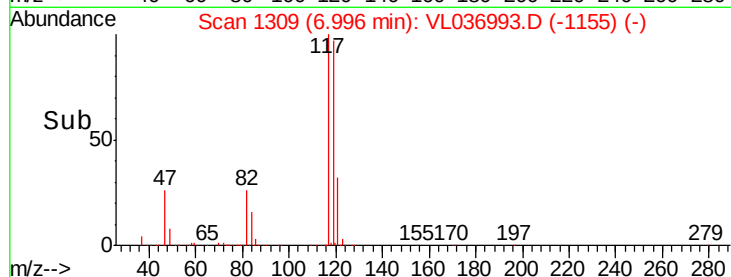
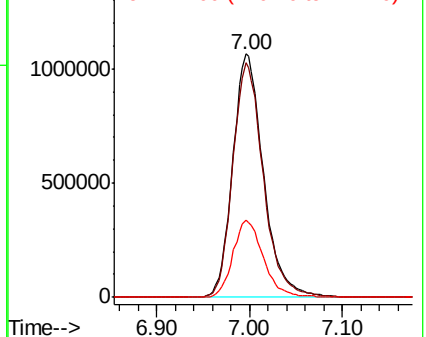
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Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.387 ppbv

RT: 6.87 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VL036993.D

Acq: 19 May 2021 15:29

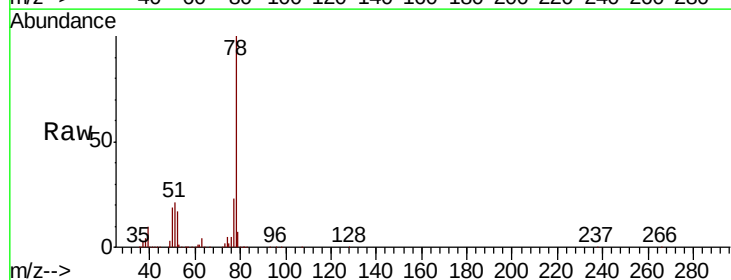
Tgt Ion: 78 Resp: 3074812

Ion Ratio Lower Upper

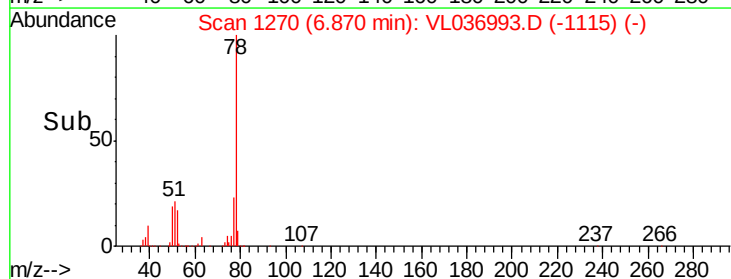
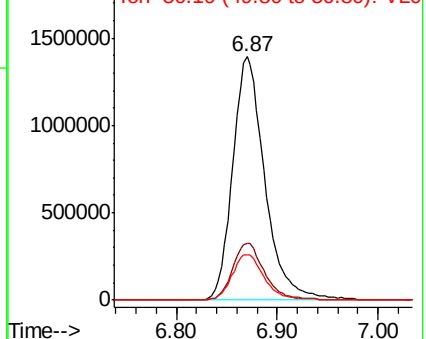
78 100

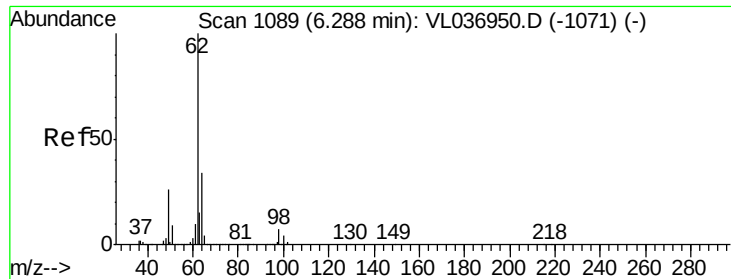
77 23.1 18.6 28.0

50 18.8 15.0 22.4



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





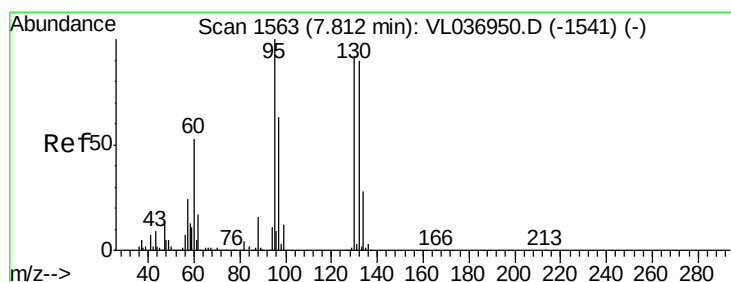
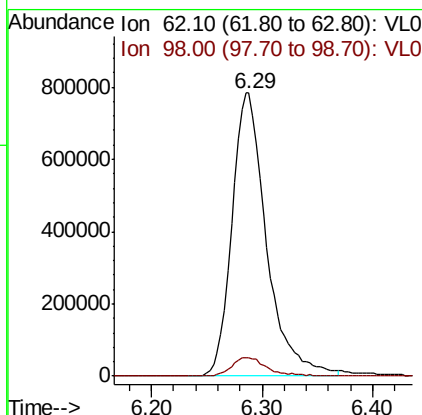
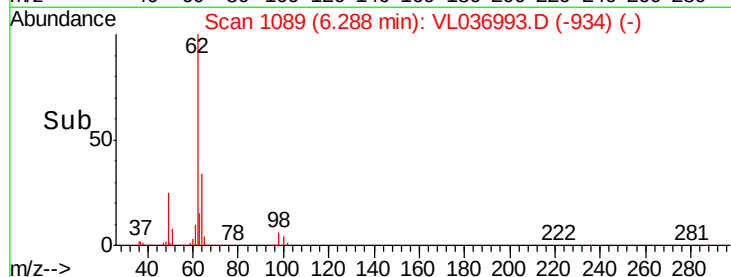
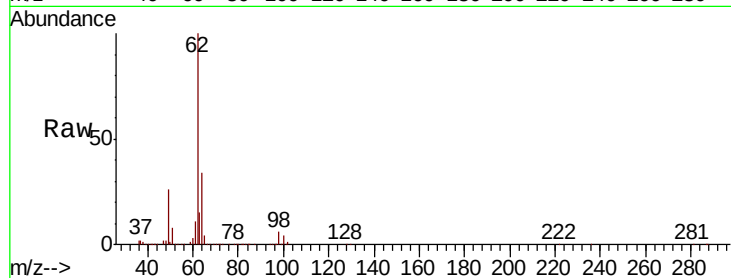
#37
 1,2-Dichloroethane
 Concen: 10.472 ppbv
 RT: 6.29 min Scan# 1089
 Delta R.T. -0.00 min
 Lab File: VL036993.D
 Acq: 19 May 2021 15:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0519ABS01

Tot Ion	Ratio	Lower	Upper
62	100		
98	6.8	5.5	8.3

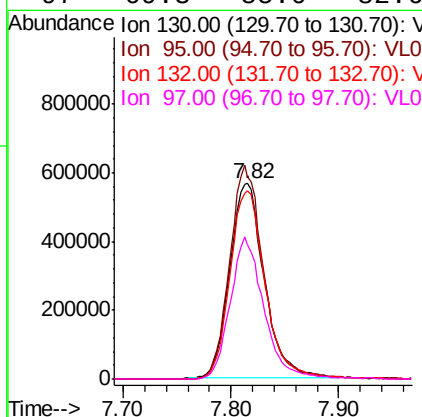
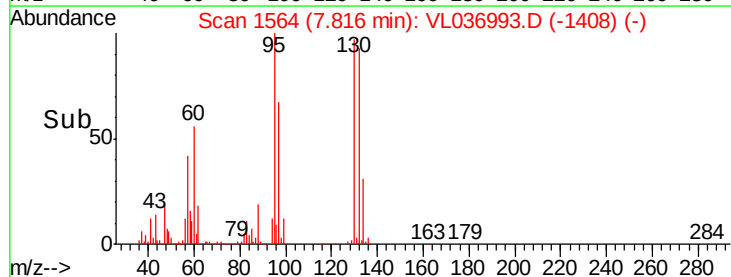
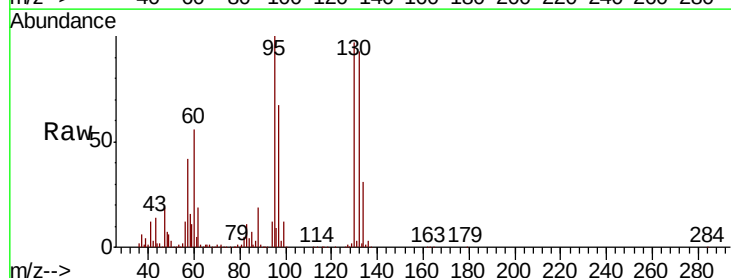
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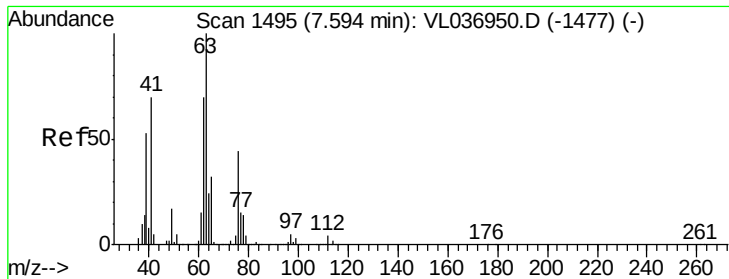
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#38
 Trichloroethene
 Concen: 9.049 ppbv
 RT: 7.82 min Scan# 1564
 Delta R.T. 0.00 min
 Lab File: VL036993.D
 Acq: 19 May 2021 15:29

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.9	86.9	130.3
132	96.8	78.4	117.6
97	69.3	55.0	82.6





#39

1,2-Dichloropropane

Concen: 9.403 ppbv

RT: 7.59 min Scan# 1495

Delta R.T. -0.00 min

Lab File: VL036993.D

Acq: 19 May 2021 15:29

Instrument :

MSVOA_L

ClientSampleId :

VL0519ABS01

Tot Ion: 63 Resp: 1186533

Ion Ratio Lower Upper

63 100

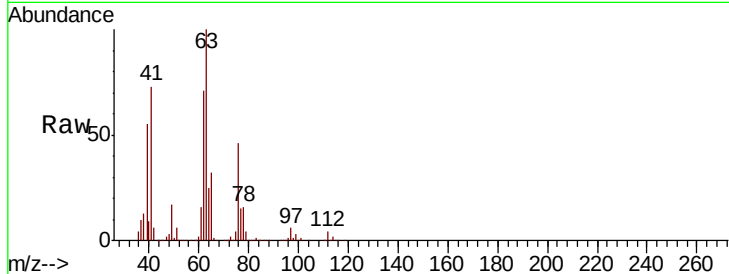
41 72.7 55.7 83.5

62 70.6 56.2 84.4

Manual Integrations
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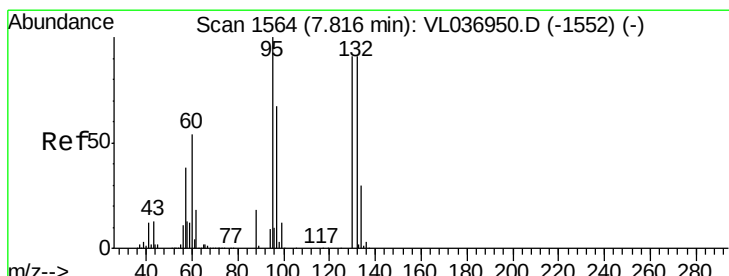
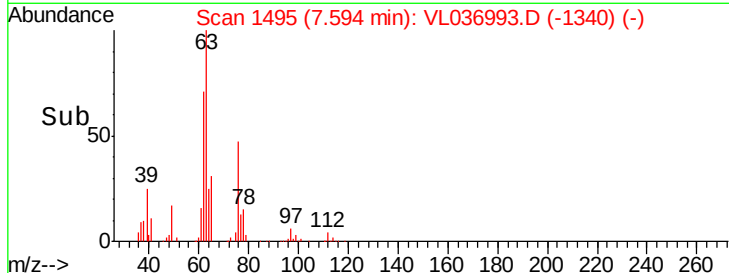
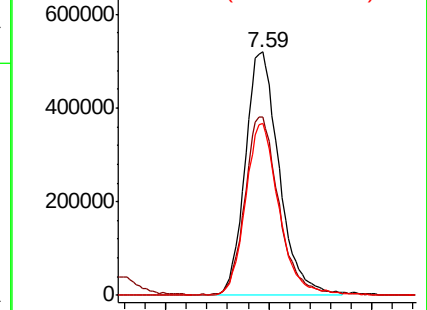
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Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 10.219 ppbv m

RT: 7.82 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VL036993.D

Acq: 19 May 2021 15:29

Tgt Ion: 88 Resp: 304463

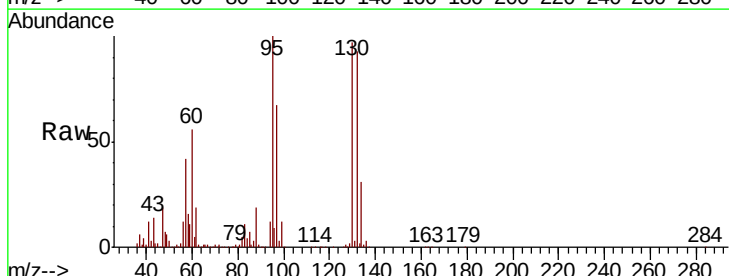
Ion Ratio Lower Upper

88 100

58 0.0 0.0 0.0

43 0.0 0.0 0.0

57 0.0 0.0 0.0

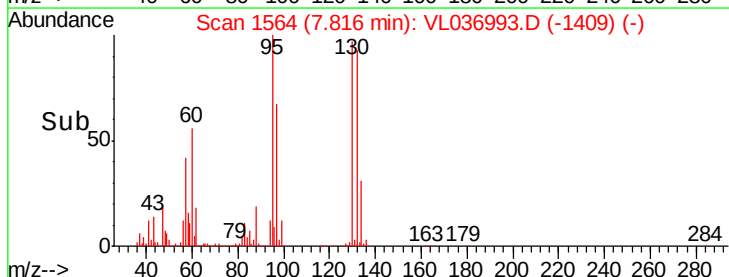
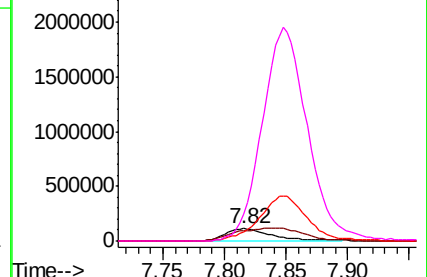


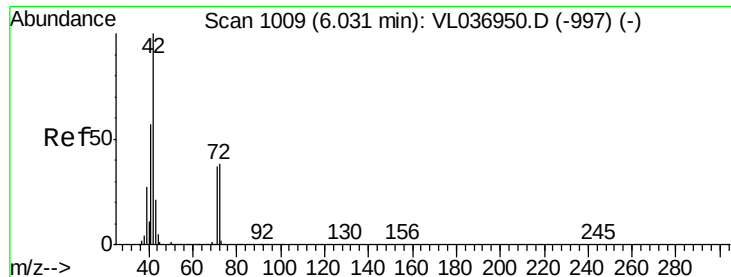
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 9.338 ppbv

RT: 6.03 min Scan# 1009

Delta R.T. -0.00 min

Lab File: VL036993.D

Acq: 19 May 2021 15:29

Instrument :

MSVOA_L

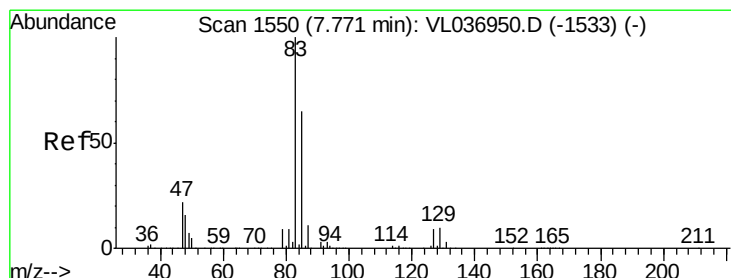
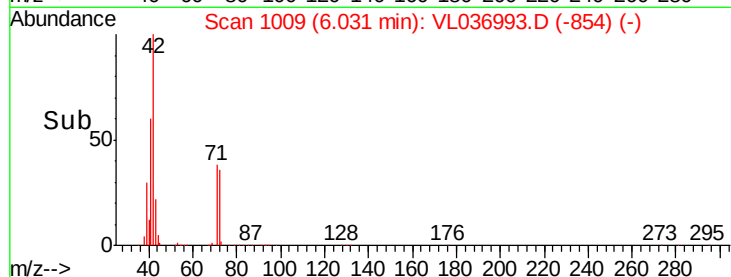
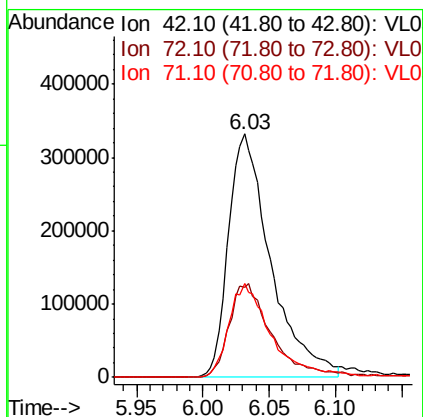
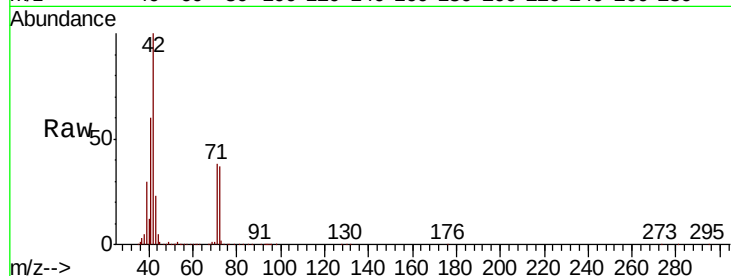
ClientSampleId :

VL0519ABS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.1	31.4	47.2
71	39.7	30.4	45.6

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#42

Bromodichloromethane

Concen: 10.025 ppbv

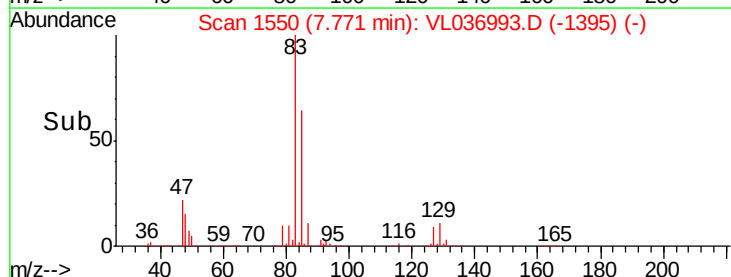
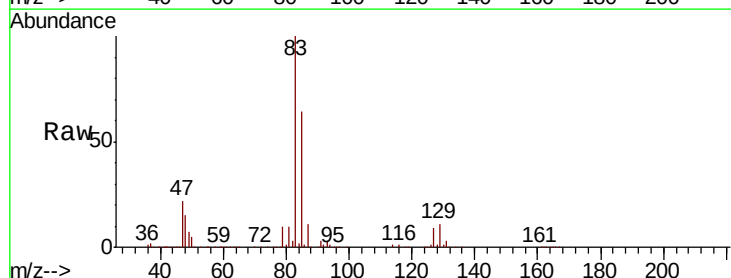
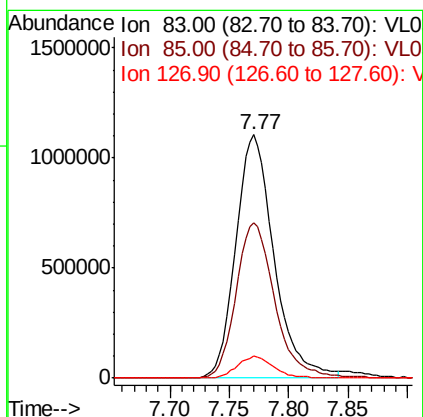
RT: 7.77 min Scan# 1550

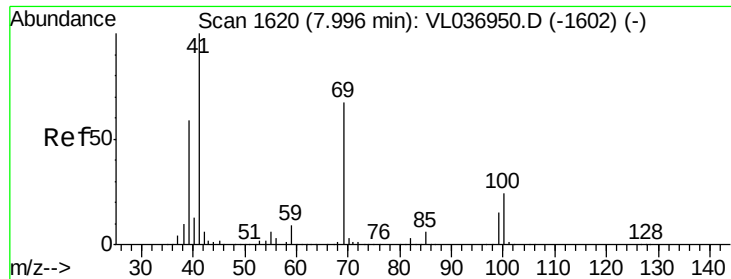
Delta R.T. -0.00 min

Lab File: VL036993.D

Acq: 19 May 2021 15:29

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.7	77.5
127	8.9	6.9	10.3





#43

Methyl Methacrylate

Concen: 10.064 ppbv

RT: 7.99 min Scan# 1619

Delta R.T. -0.00 min

Lab File: VL036993.D

Acq: 19 May 2021 15:29

Instrument :

MSVOA_L

ClientSampleId :

VL0519ABS01

Tot Ion: 69 Resp: 1136298

Ion Ratio Lower Upper

69 100

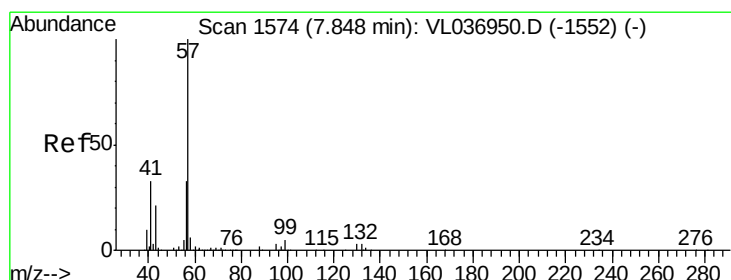
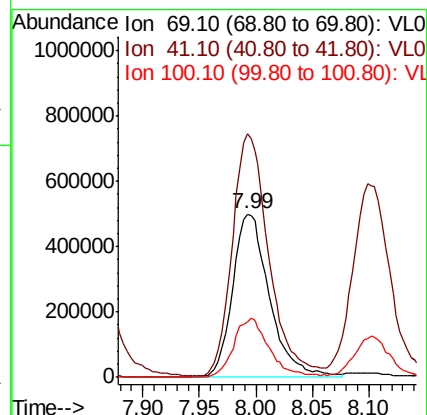
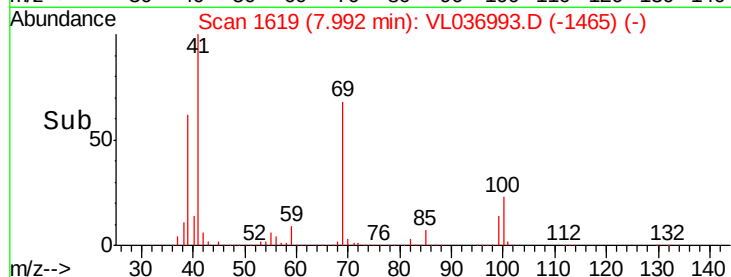
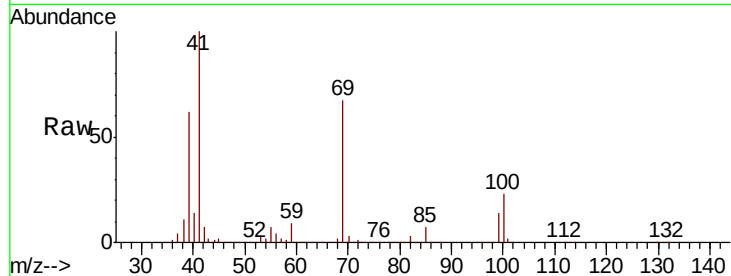
41 148.2 118.6 178.0

100 34.9 28.2 42.4

Manual Integrations
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#44

2,2,4-Trimethylpentane

Concen: 8.924 ppbv

RT: 7.85 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VL036993.D

Acq: 19 May 2021 15:29

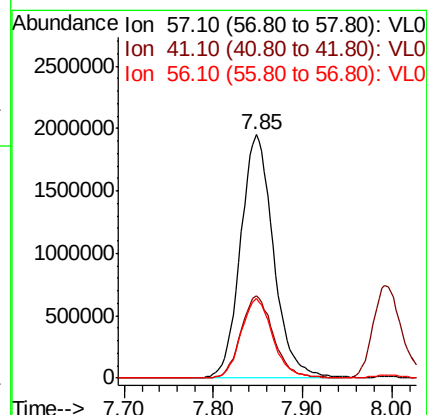
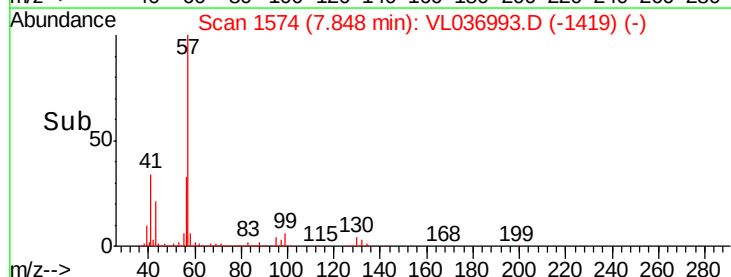
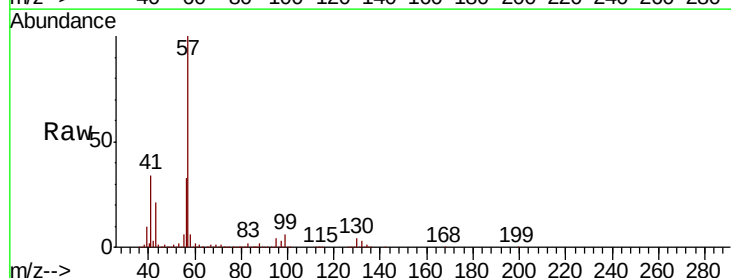
Tgt Ion: 57 Resp: 5015461

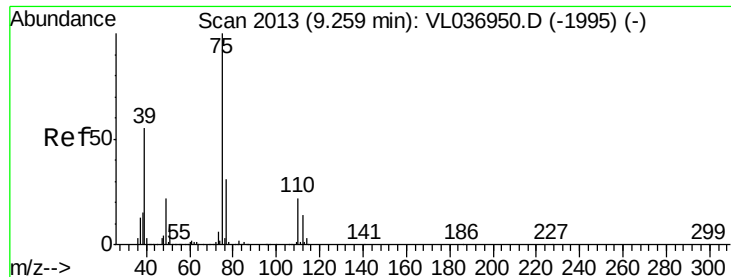
Ion Ratio Lower Upper

57 100

41 33.4 27.0 40.4

56 31.7 25.4 38.2





#45

t-1,3-Dichloropropene

Concen: 12.767 ppbv

RT: 9.26 min Scan# 2013

Delta R.T. -0.00 min

Lab File: VL036993.D

Acq: 19 May 2021 15:29

Instrument :

MSVOA_L

ClientSampleId :

VL0519ABS01

Tot Ion: 75 Resp: 1101227

Ion Ratio Lower Upper

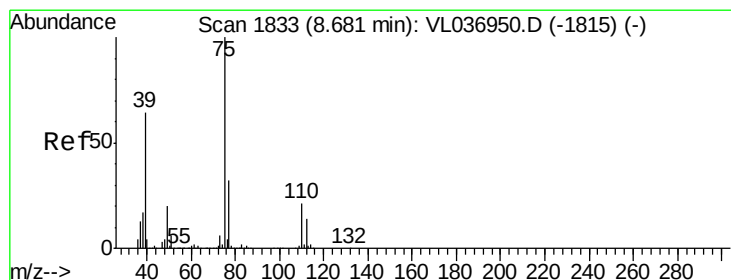
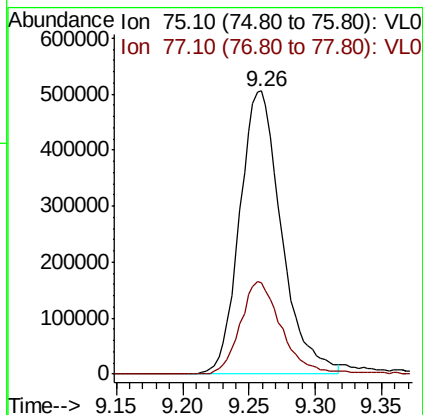
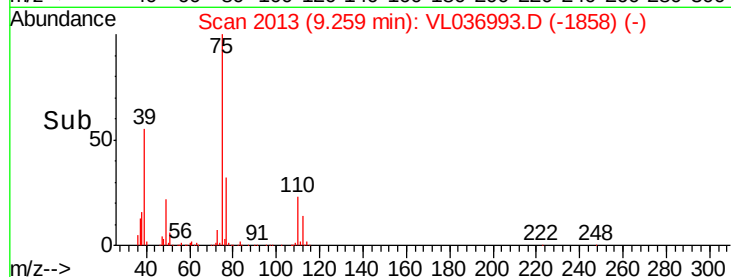
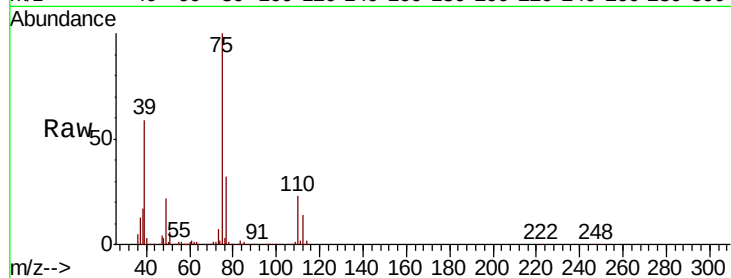
75 100

77 32.3 24.4 36.6

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#46

cis-1,3-Dichloropropene

Concen: 12.404 ppbv

RT: 8.68 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VL036993.D

Acq: 19 May 2021 15:29

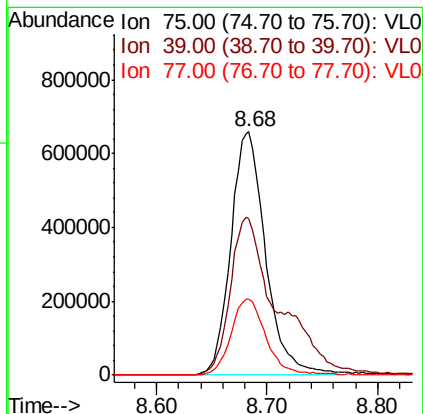
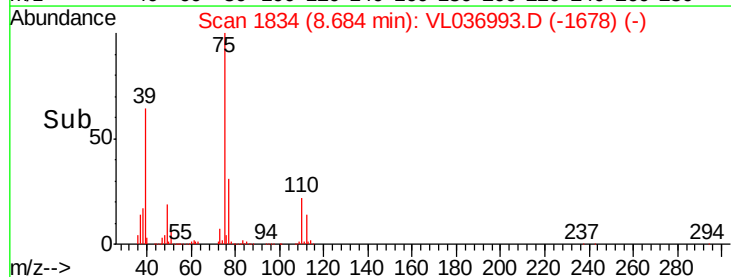
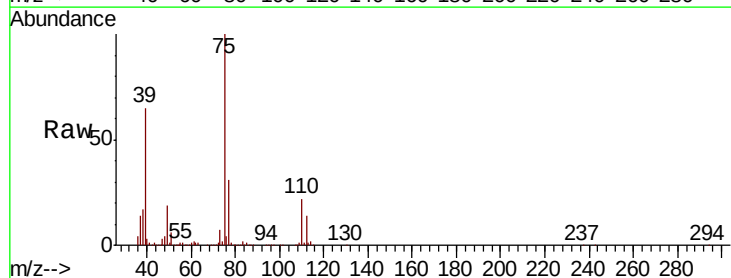
Tgt Ion: 75 Resp: 1439082

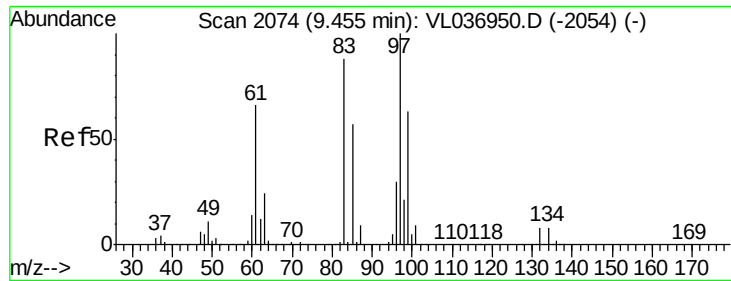
Ion Ratio Lower Upper

75 100

39 64.5 51.5 77.3

77 31.0 25.9 38.9





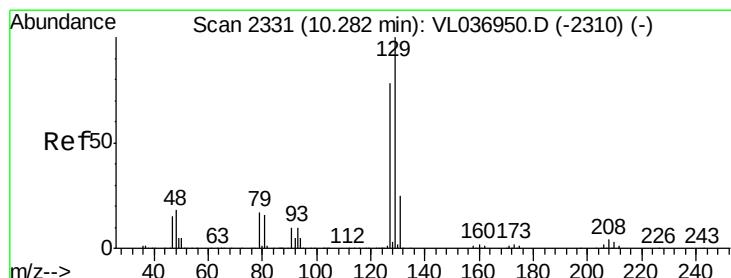
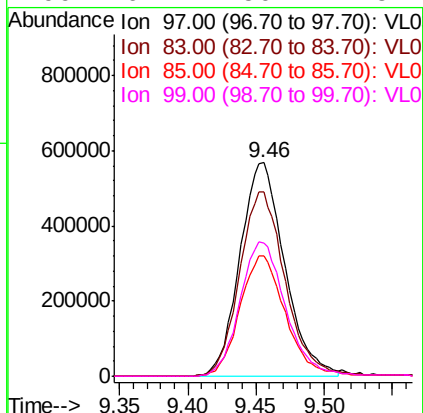
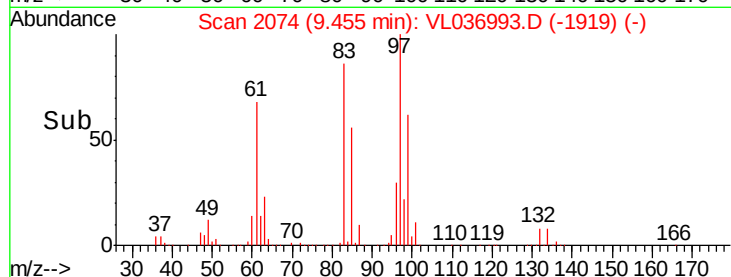
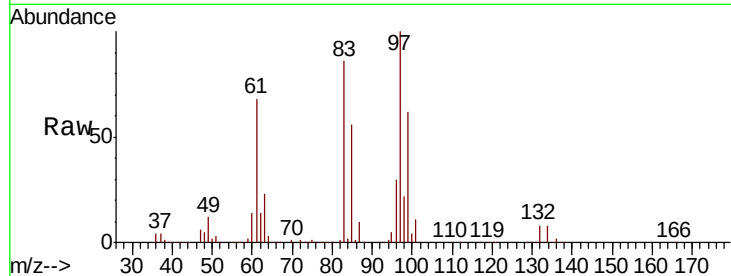
#47
 1,1,2-Trichloroethane
 Concen: 9.813 ppbv
 RT: 9.46 min Scan# 2074
 Delta R.T. -0.00 min
 Lab File: VL036993.D
 Acq: 19 May 2021 15:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0519ABS01

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	86.2	70.4	105.6	
85	56.4	45.5	68.3	
99	62.1	50.2	75.2	

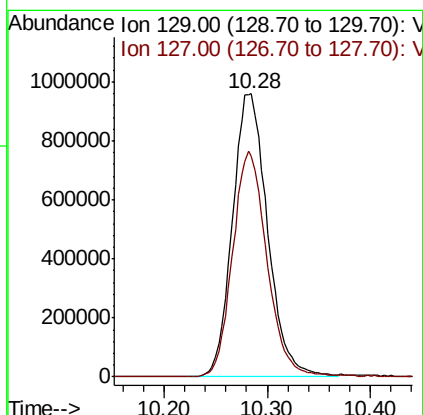
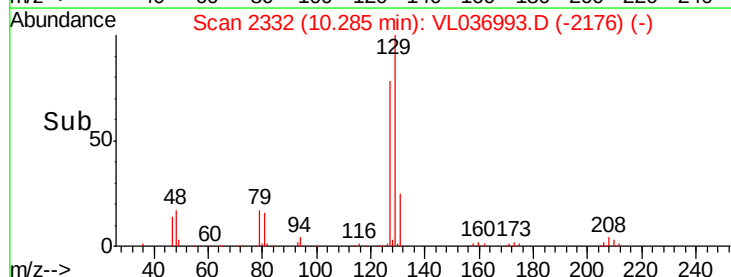
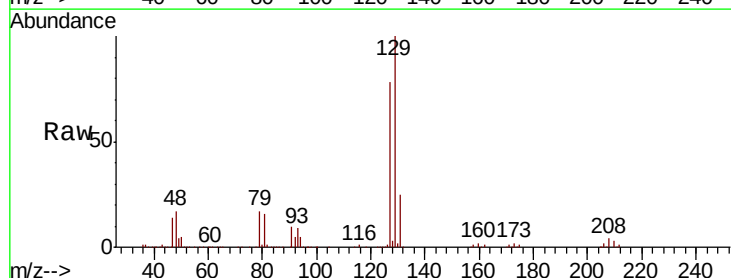
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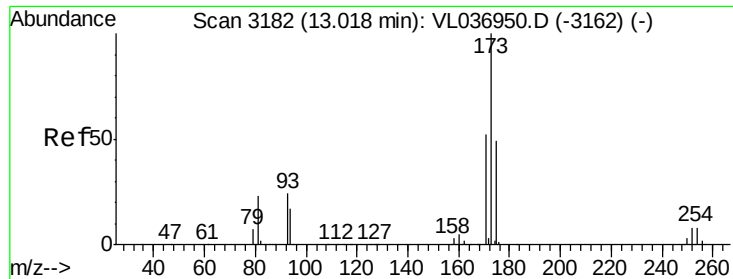
MMDadoda
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#48
 Dibromochloromethane
 Concen: 10.663 ppbv
 RT: 10.28 min Scan# 2332
 Delta R.T. 0.00 min
 Lab File: VL036993.D
 Acq: 19 May 2021 15:29

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	78.2	39.3	117.8	





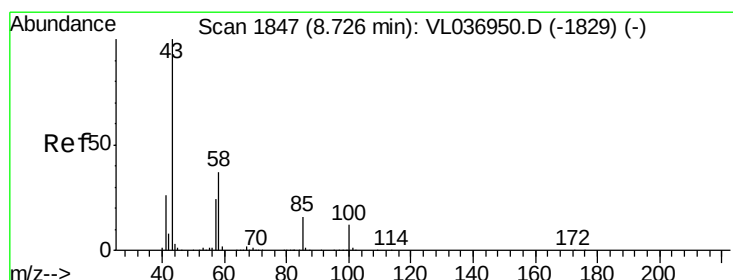
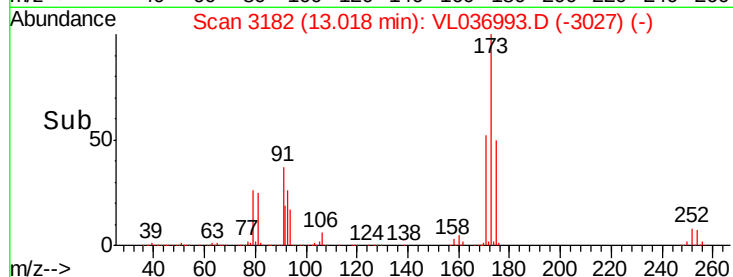
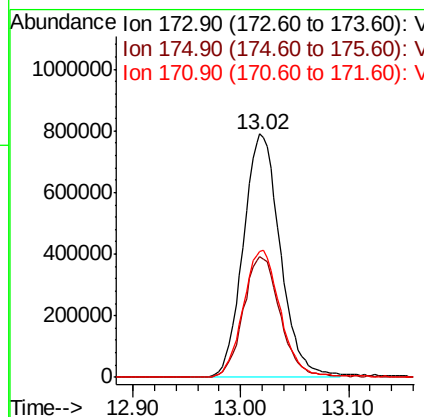
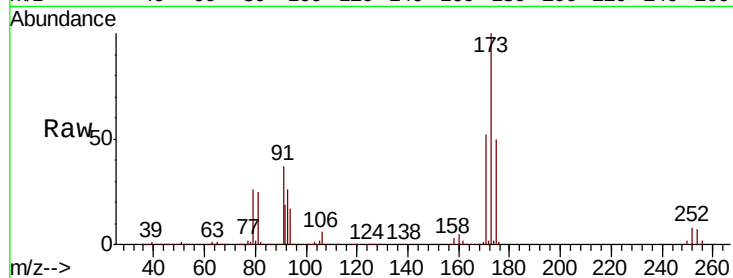
#49
Bromoform
Concen: 10.674 ppbv
RT: 13.02 min Scan# 3182
Delta R.T. -0.00 min
Lab File: VL036993.D
Acq: 19 May 2021 15:29

Instrument :
MSVOA_L
ClientSampleId :
VL0519ABS01

Tot Ion:173 Resp: 1885137
Ion Ratio Lower Upper
173 100
175 50.1 40.4 60.6
171 53.3 42.6 64.0

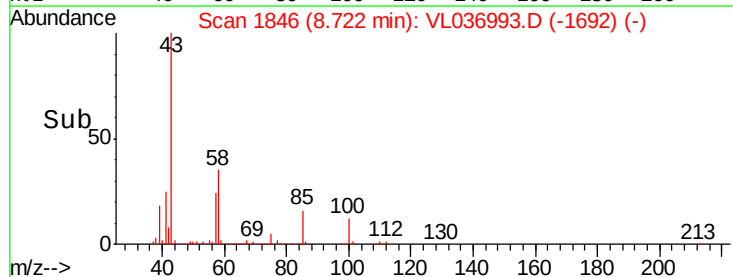
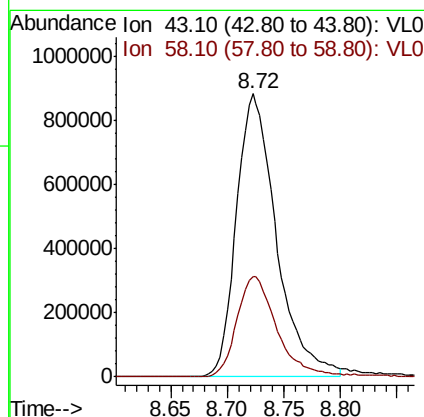
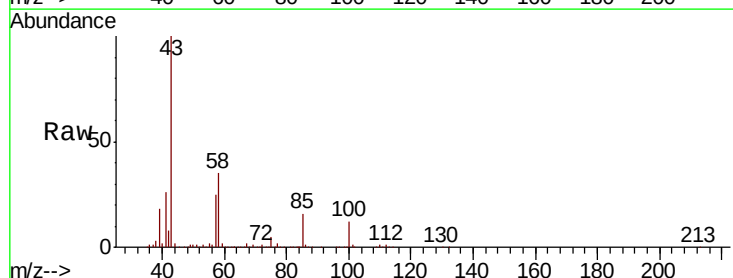
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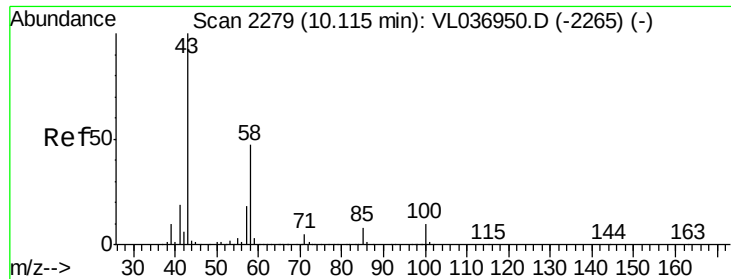
MMDadoda
5/24/2021 3:01:30 PM



#50
4-Methyl-2-Pentanone
Concen: 9.524 ppbv
RT: 8.72 min Scan# 1846
Delta R.T. -0.00 min
Lab File: VL036993.D
Acq: 19 May 2021 15:29

Tgt Ion: 43 Resp: 2176298
Ion Ratio Lower Upper
43 100
58 36.2 29.4 44.2





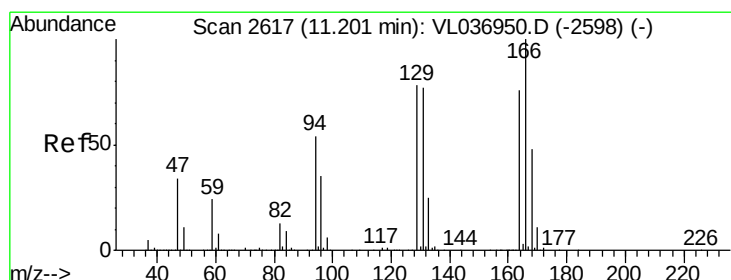
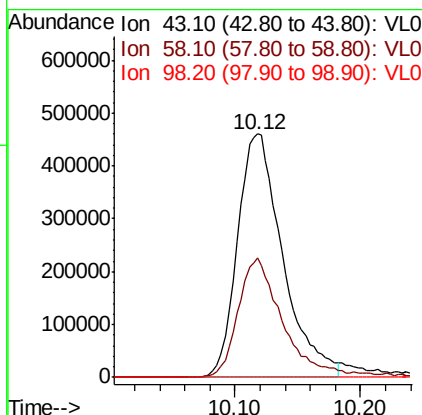
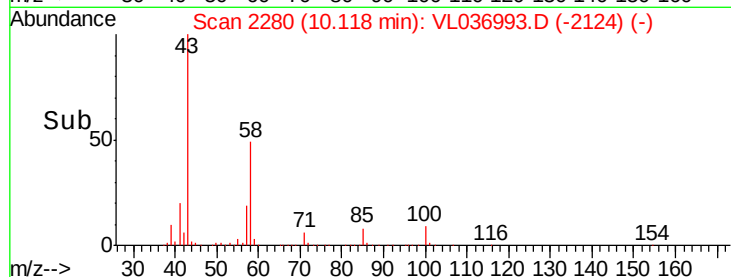
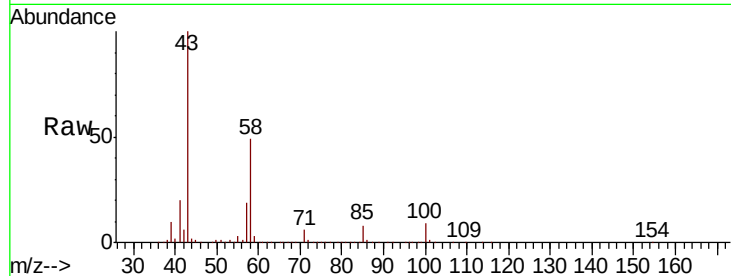
#51
2-Hexanone
Concen: 9.519 ppbv
RT: 10.12 min Scan# 2280
Delta R.T. 0.00 min
Lab File: VL036993.D
Acq: 19 May 2021 15:29

Instrument :
MSVOA_L
ClientSampleId :
VL0519ABS01

Tot Ion: 43 Resp: 1149933
Ion Ratio Lower Upper
43 100
58 50.4 41.1 61.7
98 0.1 0.1 0.1

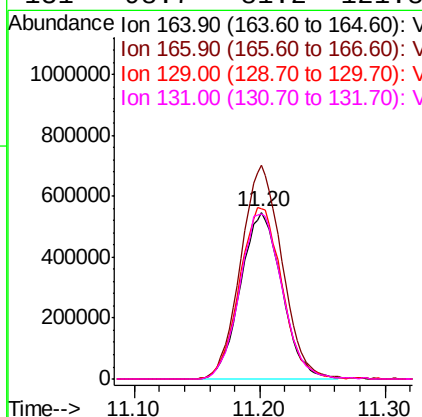
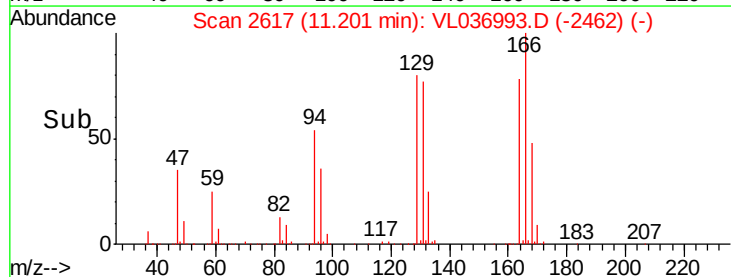
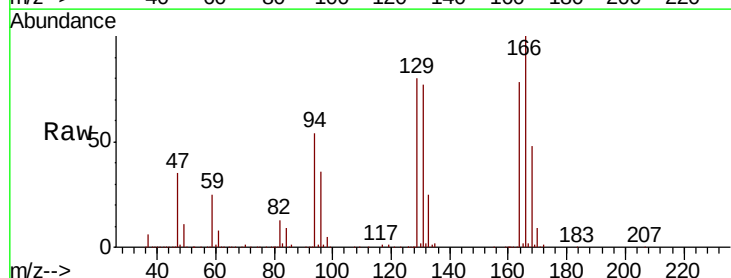
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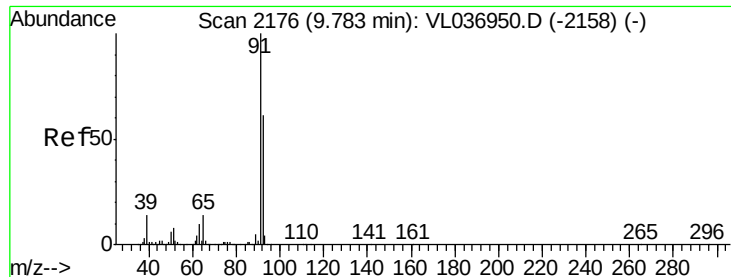
MMDadoda
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#52
Tetrachloroethene
Concen: 9.615 ppbv
RT: 11.20 min Scan# 2617
Delta R.T. -0.00 min
Lab File: VL036993.D
Acq: 19 May 2021 15:29

Tgt Ion: 164 Resp: 1252453
Ion Ratio Lower Upper
164 100
166 128.1 105.5 158.3
129 102.3 81.8 122.8
131 98.7 81.2 121.8





#53

Toluene

Concen: 9.540 ppbv

RT: 9.78 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VL036993.D

Acq: 19 May 2021 15:29

Instrument :

MSVOA_L

ClientSampleId :

VL0519ABS01

Tot Ion: 91 Resp: 3718364

Ion Ratio Lower Upper

91 100

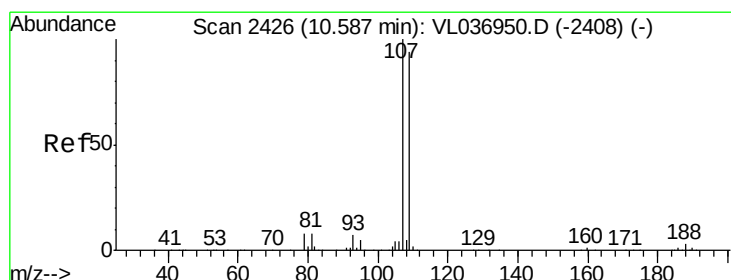
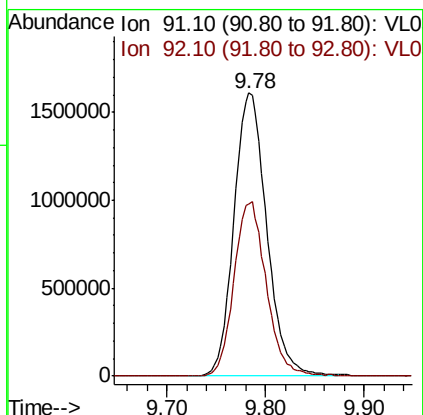
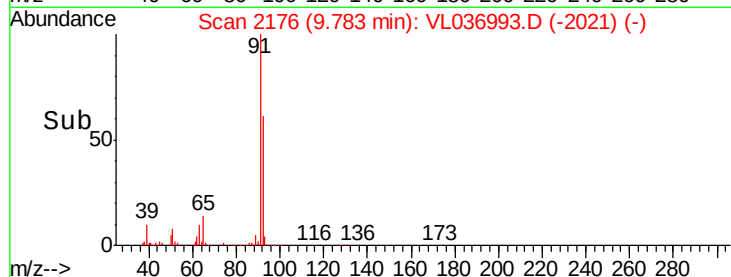
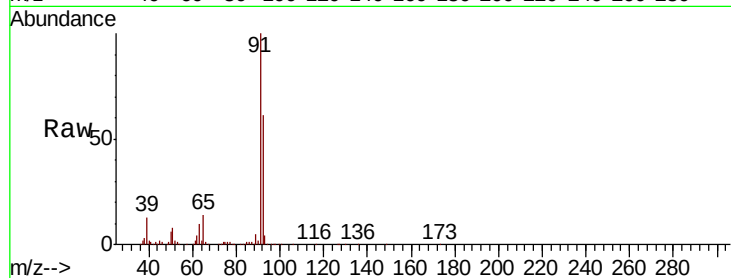
92 61.3 49.5 74.3

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 10.520 ppbv

RT: 10.59 min Scan# 2426

Delta R.T. -0.00 min

Lab File: VL036993.D

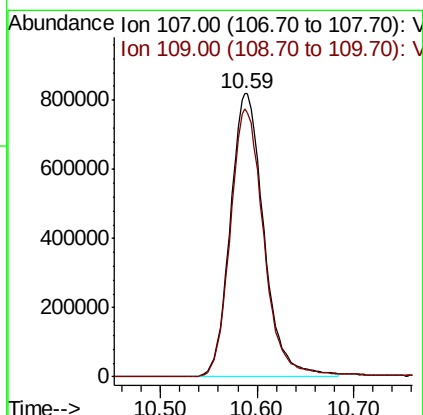
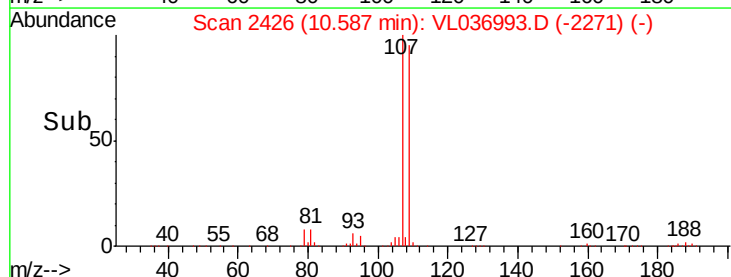
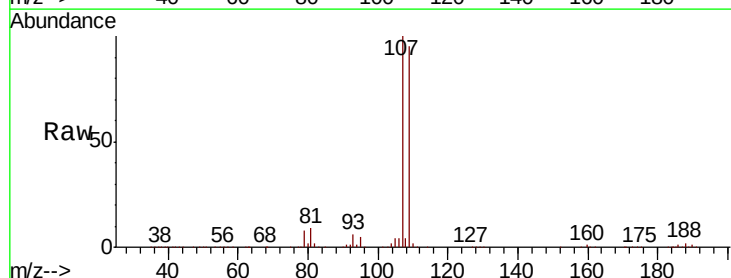
Acq: 19 May 2021 15:29

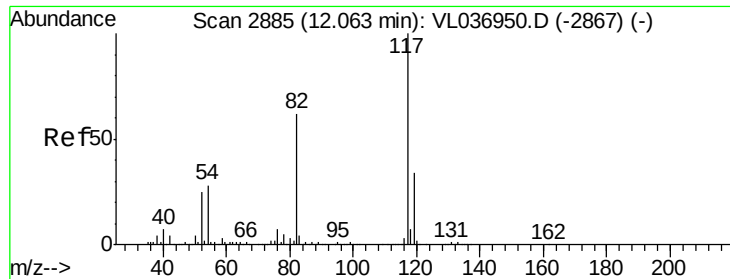
Tgt Ion: 107 Resp: 1975346

Ion Ratio Lower Upper

107 100

109 94.6 75.0 112.4





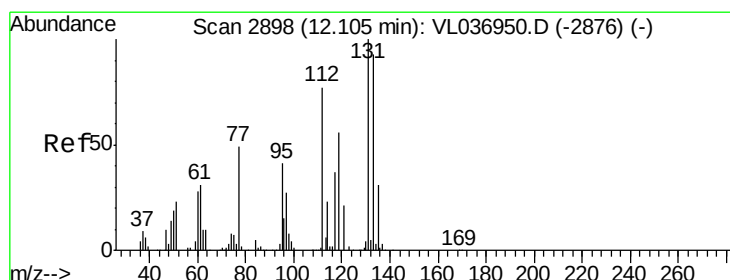
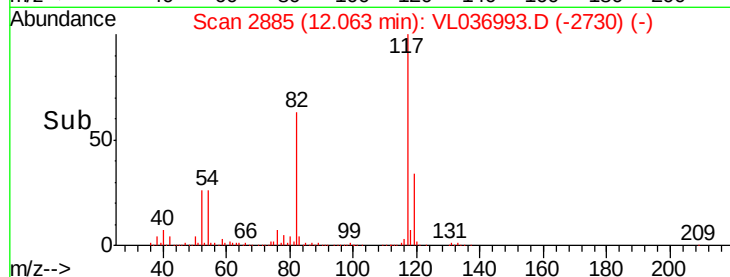
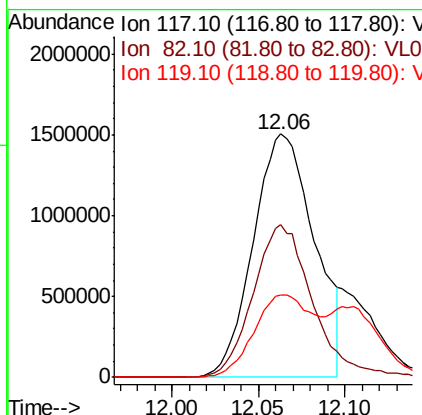
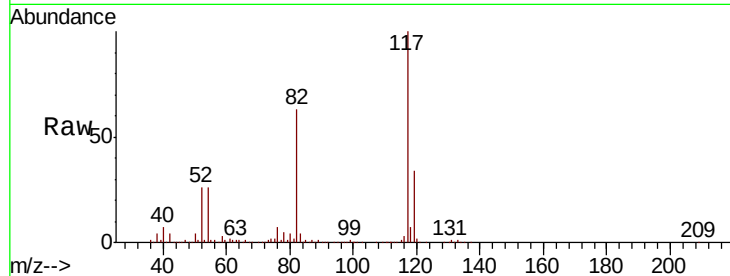
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.06 min Scan# 2885
Delta R.T. -0.00 min
Lab File: VL036993.D
Acq: 19 May 2021 15:29

Instrument :
MSVOA_L
ClientSampleId :
VL0519ABS01

Tot Ion:117 Resp: 3701445
Ion Ratio Lower Upper
117 100
82 61.9 52.6 79.0
119 34.2 46.6 70.0#

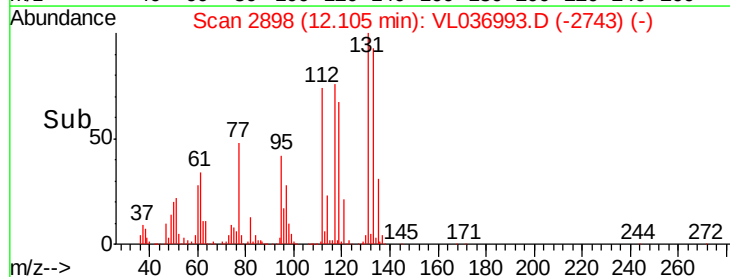
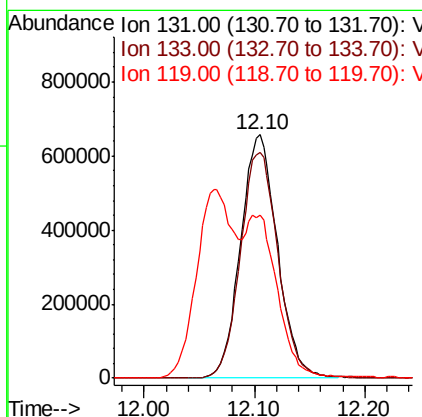
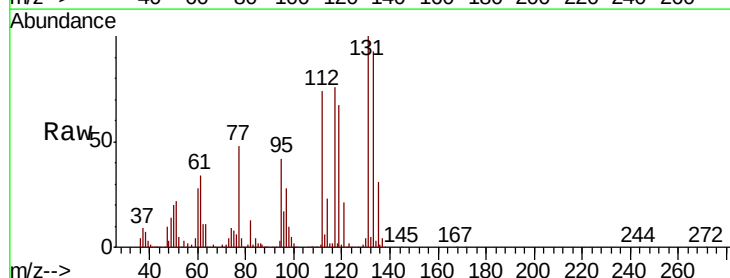
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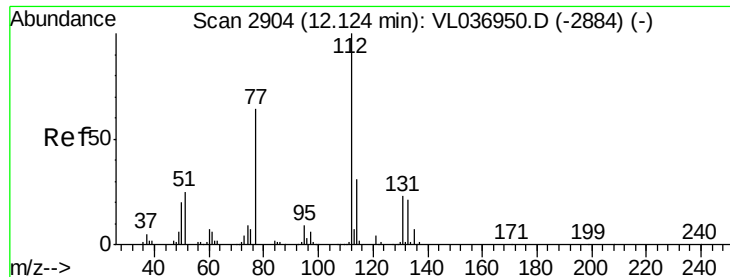
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.748 ppbv
RT: 12.10 min Scan# 2898
Delta R.T. -0.00 min
Lab File: VL036993.D
Acq: 19 May 2021 15:29

Tgt Ion:131 Resp: 1518222
Ion Ratio Lower Upper
131 100
133 95.4 76.9 115.3
119 62.3 120.2 180.4#





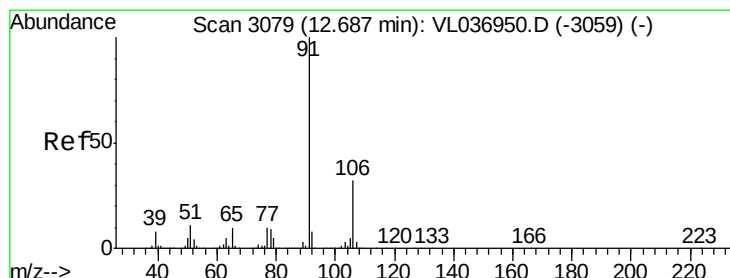
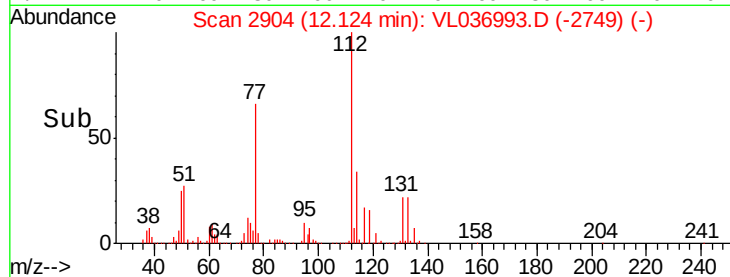
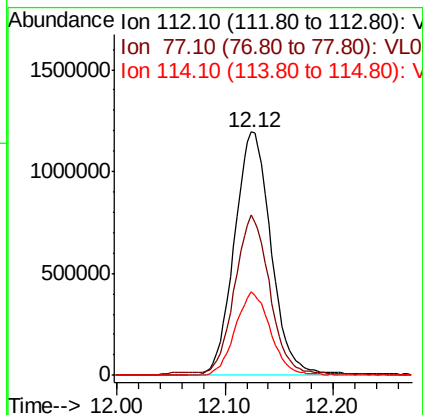
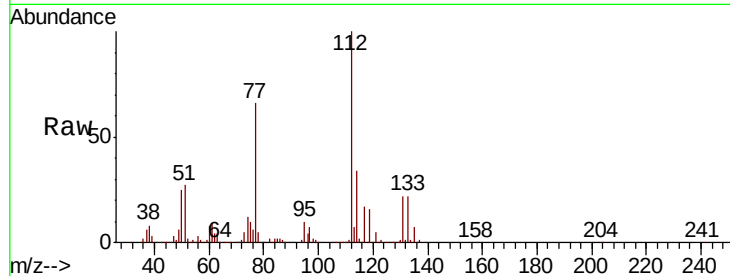
#57
Chlorobenzene
Concen: 9.807 ppbv
RT: 12.12 min Scan# 2904
Delta R.T. -0.00 min
Lab File: VL036993.D
Acq: 19 May 2021 15:29

Instrument :
MSVOA_L
ClientSampleId :
VL0519ABS01

Tot Ion: 112 Resp: 2814610
Ion Ratio Lower Upper
112 100
77 65.1 51.0 76.6
114 34.5 28.3 34.5

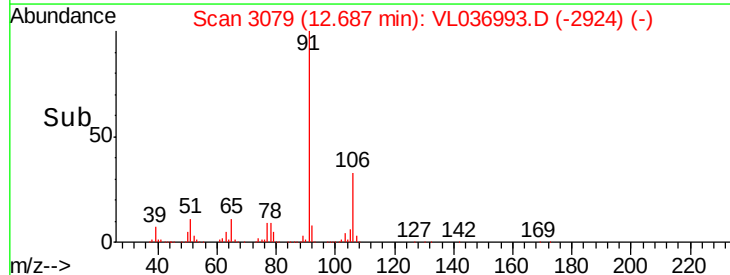
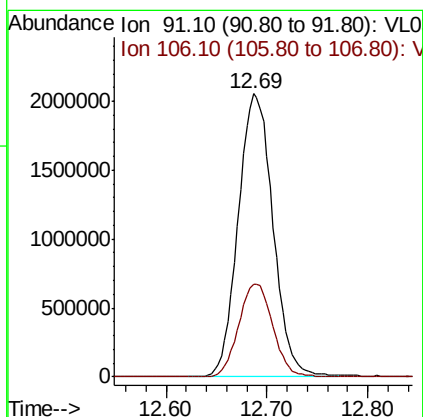
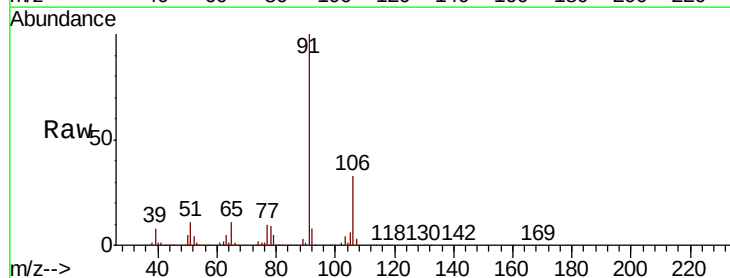
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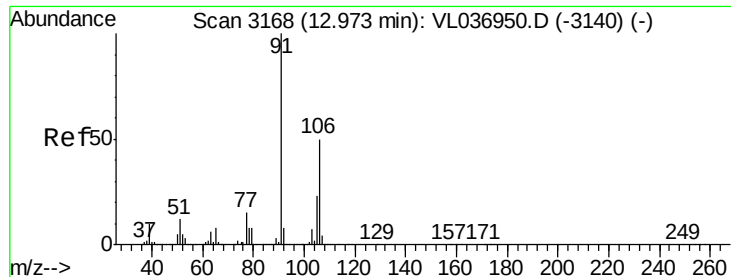
MMDadoda
5/24/2021 3:01:30 PM



#58
Ethyl Benzene
Concen: 9.398 ppbv
RT: 12.69 min Scan# 3079
Delta R.T. -0.00 min
Lab File: VL036993.D
Acq: 19 May 2021 15:29

Tgt Ion: 91 Resp: 4909587
Ion Ratio Lower Upper
91 100
106 32.9 25.6 38.4





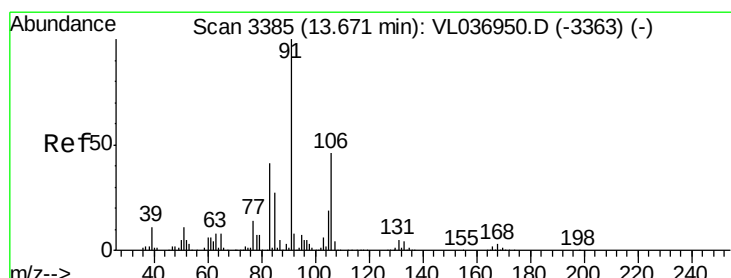
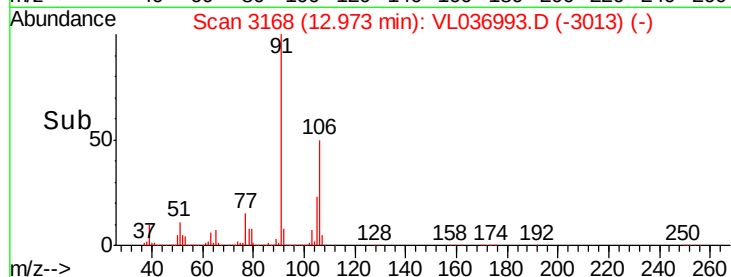
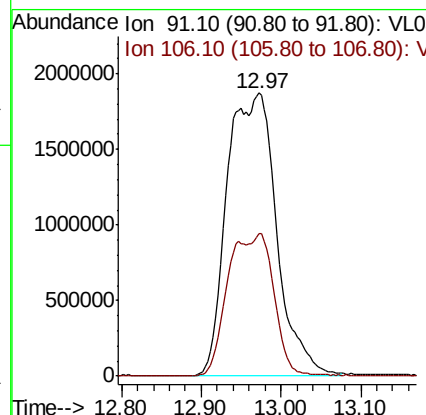
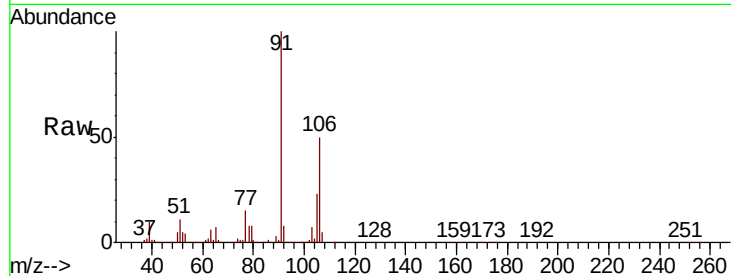
#59
m/p-Xylene
Concen: 18.764 ppbv m
RT: 12.97 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VL036993.D
Acq: 19 May 2021 15:29

Instrument :
MSVOA_L
ClientSampleId :
VL0519ABS01

Tot Ion: 91 Resp: 8102916
Ion Ratio Lower Upper
91 100
106 46.9 37.4 56.2

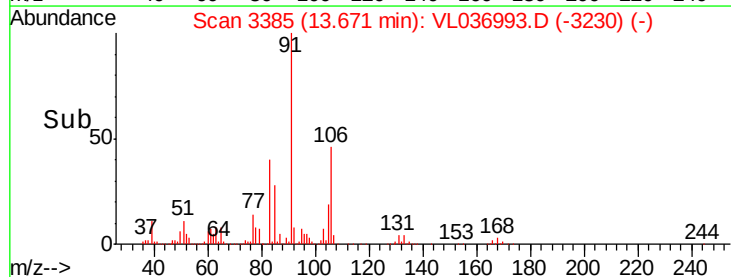
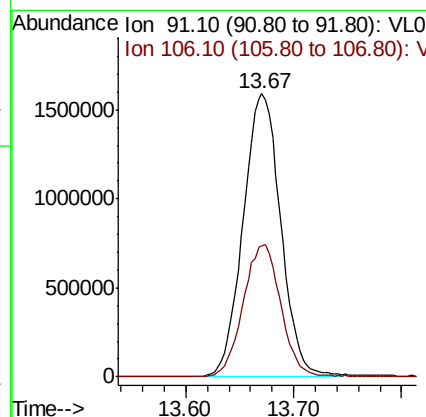
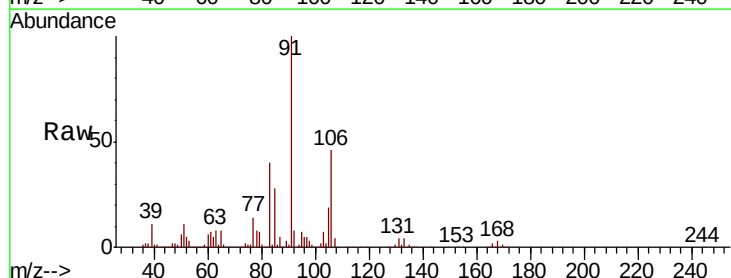
Manual Integrations
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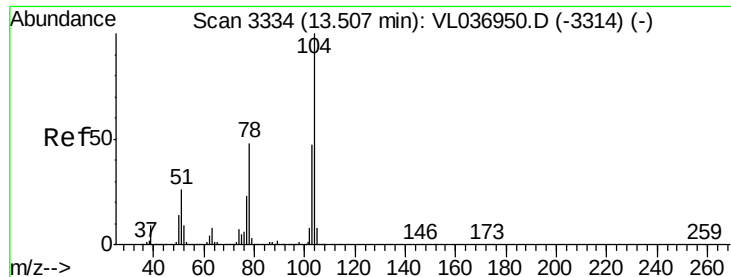
MMDadoda
5/24/2021 3:01:30 PM



#60
o-Xylene
Concen: 9.336 ppbv
RT: 13.67 min Scan# 3385
Delta R.T. -0.00 min
Lab File: VL036993.D
Acq: 19 May 2021 15:29

Tgt Ion: 91 Resp: 3844950
Ion Ratio Lower Upper
91 100
106 47.1 23.4 70.3





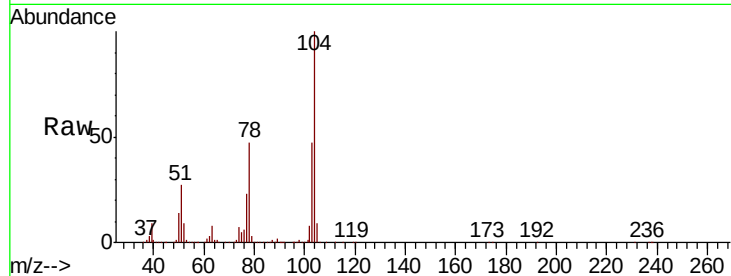
#61
Stvrene
Concen: 10.133 ppbv
RT: 13.51 min Scan# 3334
Delta R.T. -0.00 min
Lab File: VL036993.D
Acq: 19 May 2021 15:29

Instrument :
MSVOA_L
ClientSampleId :
VL0519ABS01

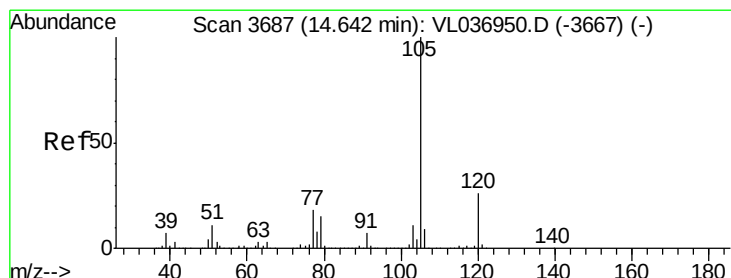
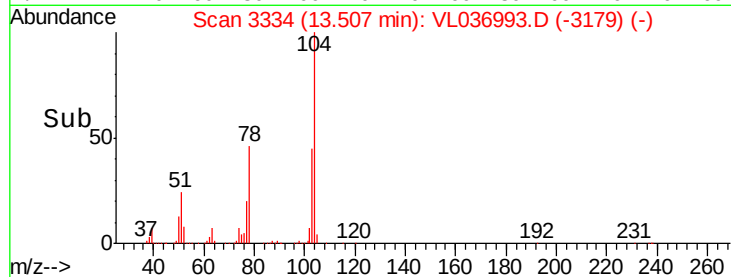
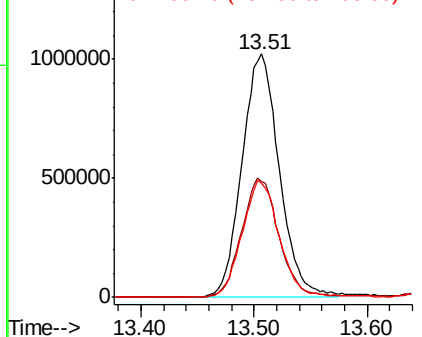
Tot Ion	Ratio	Lower	Upper
104	100		
78	49.5	39.0	58.6
103	48.1	38.0	57.0

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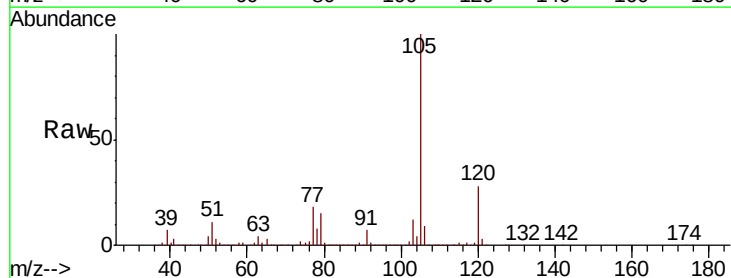


Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VL0
Ion 103.10 (102.80 to 103.80): V

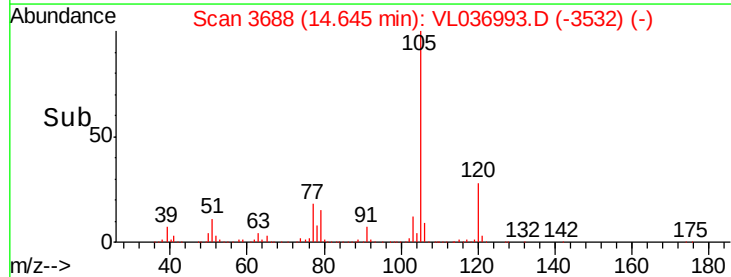
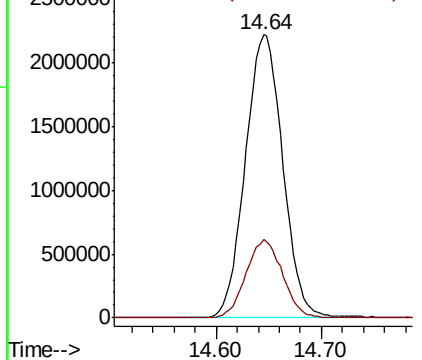


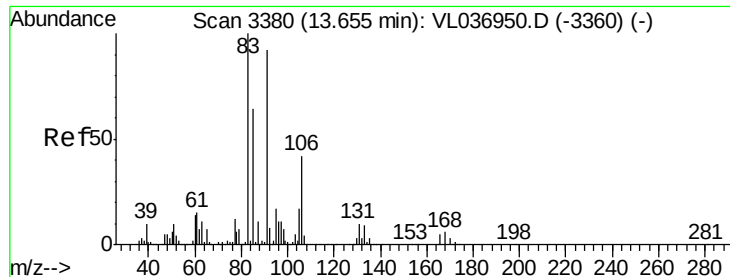
#62
Isopropylbenzene
Concen: 9.256 ppbv
RT: 14.64 min Scan# 3688
Delta R.T. 0.00 min
Lab File: VL036993.D
Acq: 19 May 2021 15:29

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.3	21.7	32.5



Abundance Ion 105.10 (104.80 to 105.80): V
Ion 120.20 (119.90 to 120.90): V





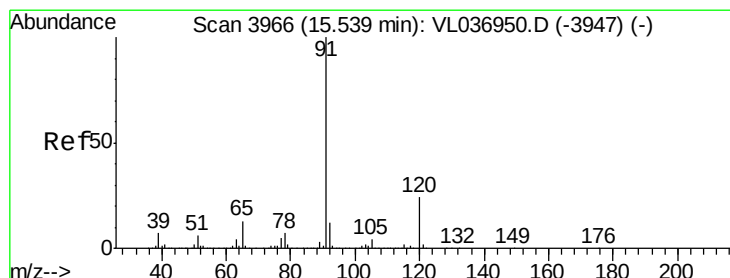
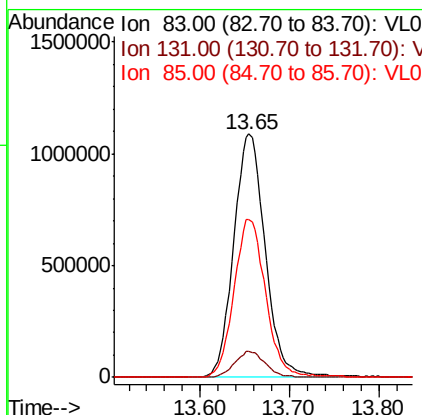
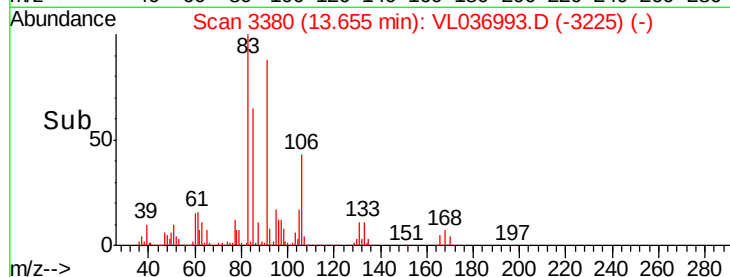
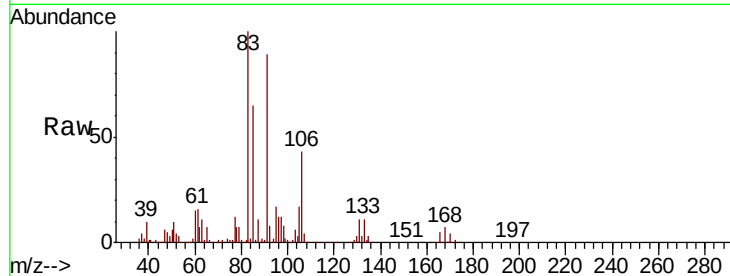
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.682 ppbv
 RT: 13.65 min Scan# 3380
 Delta R.T. -0.00 min
 Lab File: VL036993.D
 Acq: 19 May 2021 15:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0519ABS01

Tot Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.0	15.0
85	65.9	32.9	98.6

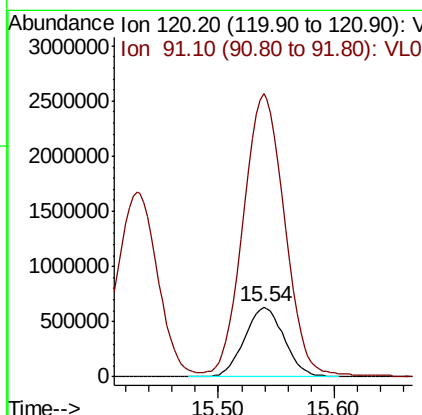
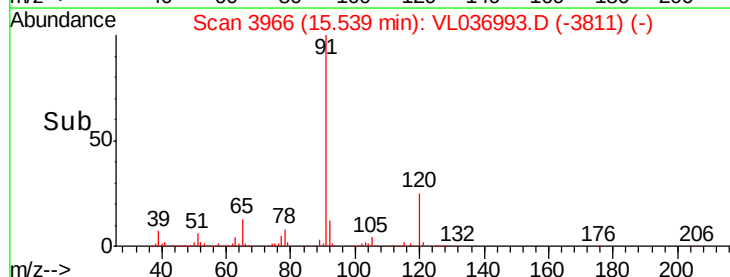
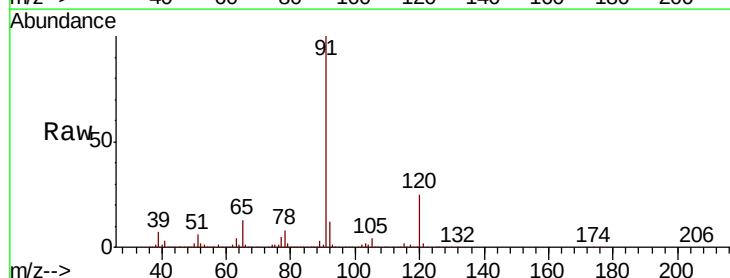
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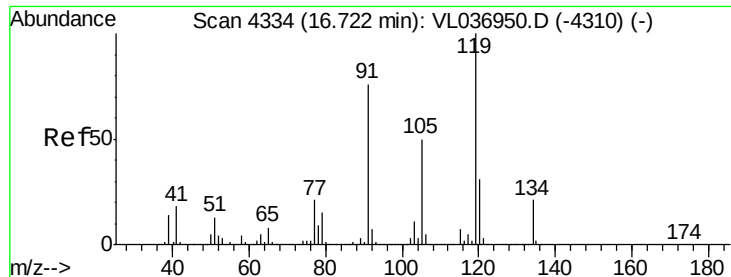
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#64
 n-propylbenzene
 Concen: 9.872 ppbv
 RT: 15.54 min Scan# 3966
 Delta R.T. -0.00 min
 Lab File: VL036993.D
 Acq: 19 May 2021 15:29

Tgt Ion	Ratio	Lower	Upper
120	100		
91	425.2	343.8	515.6





#65

tert-Butylbenzene

Concen: 9.184 ppbv

RT: 16.73 min Scan# 4335

Delta R.T. 0.00 min

Lab File: VL036993.D

Acq: 19 May 2021 15:29

Instrument :

MSVOA_L

ClientSampleId :

VL0519ABS01

Tot Ion:119 Resp: 4905074

Ion Ratio Lower Upper

119 100

91 77.1 61.9 92.9

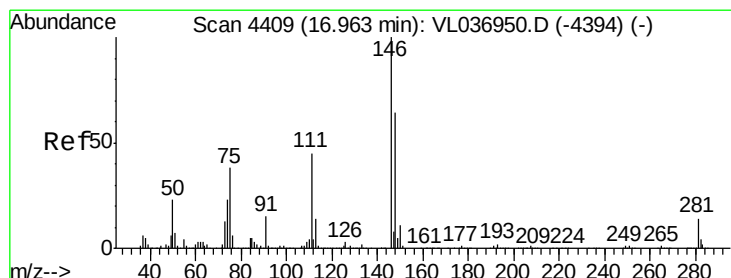
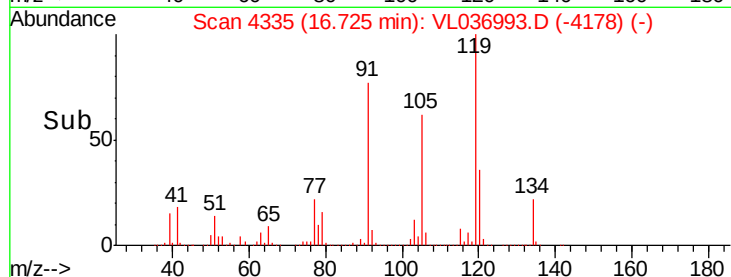
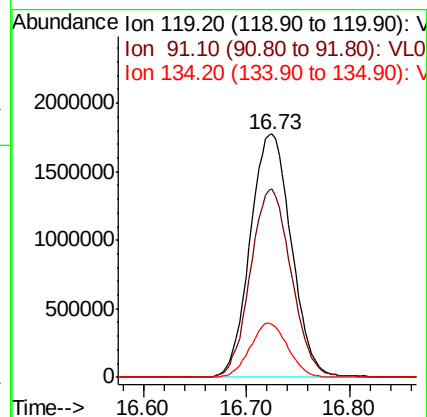
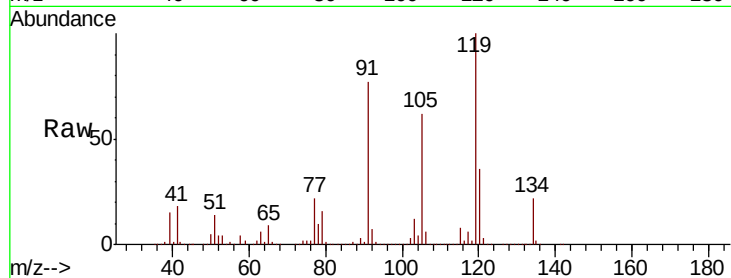
134 20.6 16.2 24.4

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#66

Benzyl Chloride

Concen: 7.883 ppbv

RT: 16.97 min Scan# 4411

Delta R.T. 0.01 min

Lab File: VL036993.D

Acq: 19 May 2021 15:29

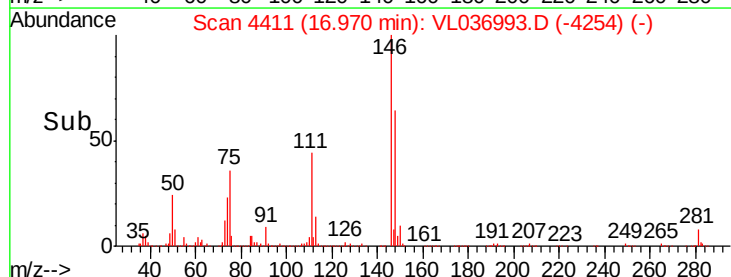
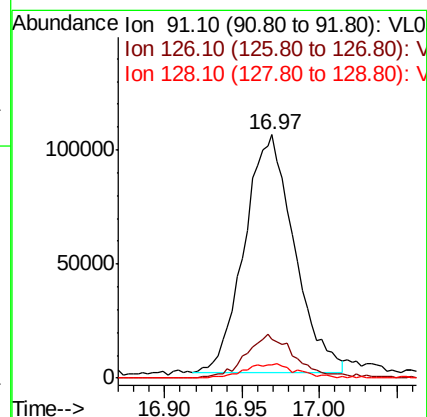
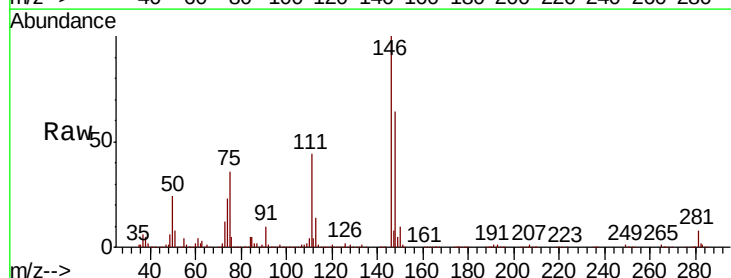
Tgt Ion: 91 Resp: 233619

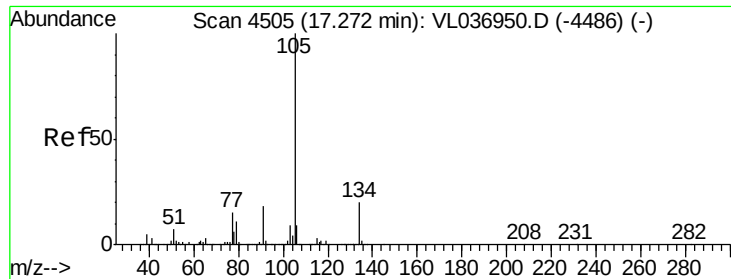
Ion Ratio Lower Upper

91 100

126 18.7 16.5 24.7

128 6.9 5.5 8.3





#67

sec-Butylbenzene

Concen: 9.069 ppbv

RT: 17.27 min Scan# 4505

Delta R.T. -0.00 min

Lab File: VL036993.D

Acq: 19 May 2021 15:29

Instrument :

MSVOA_L

ClientSampled :

VL0519ABS01

Tot Ion:105 Resp: 6608061

Ion Ratio Lower Upper

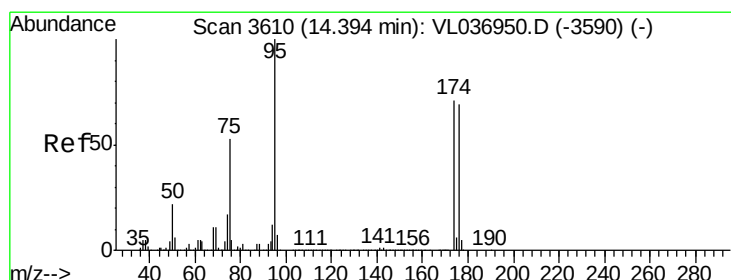
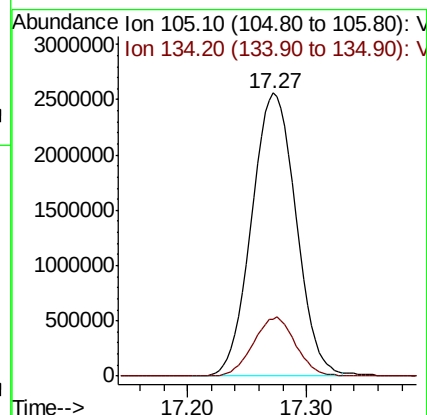
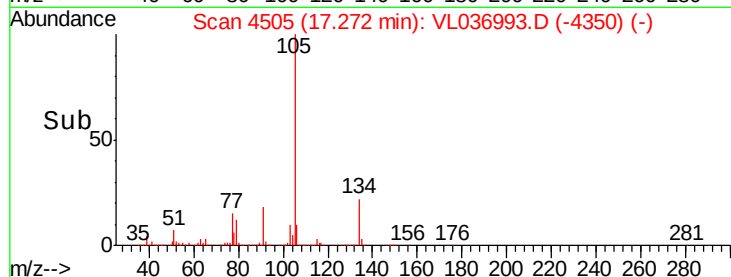
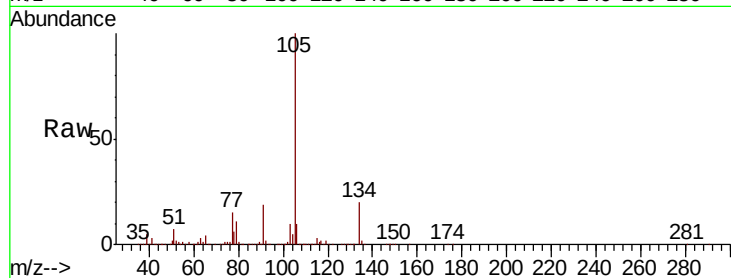
105 100

134 20.0 15.6 23.4

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#68

1-Bromo-4-Fluorobenzene

Concen: 10.254 ppbv

RT: 14.39 min Scan# 3610

Delta R.T. -0.00 min

Lab File: VL036993.D

Acq: 19 May 2021 15:29

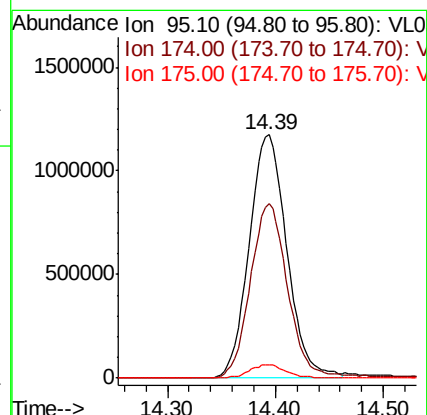
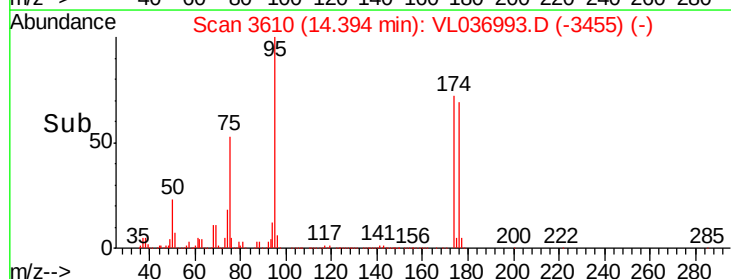
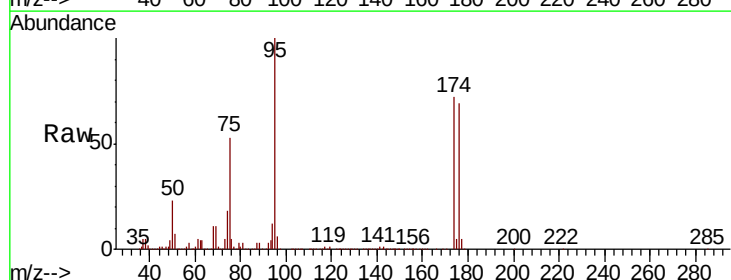
Tgt Ion: 95 Resp: 2851254

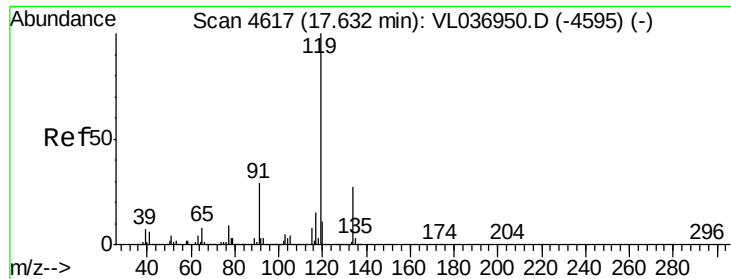
Ion Ratio Lower Upper

95 100

174 72.3 58.4 87.6

175 5.6 4.4 6.6





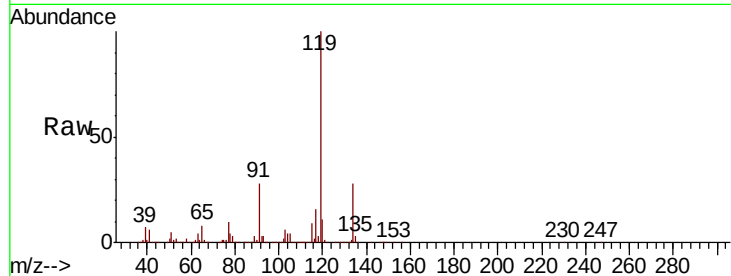
#69
 p-Isopropyltoluene
 Concen: 9.187 ppbv
 RT: 17.63 min Scan# 4616
 Delta R.T. -0.00 min
 Lab File: VL036993.D
 Acq: 19 May 2021 15:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0519ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.7	21.2	31.8
91	28.0	22.2	33.4

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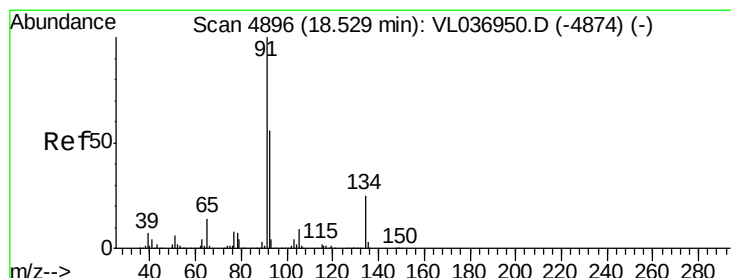
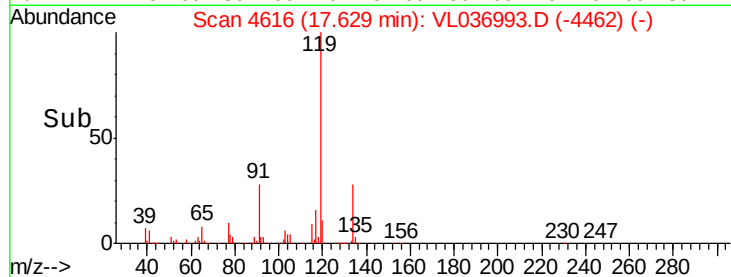
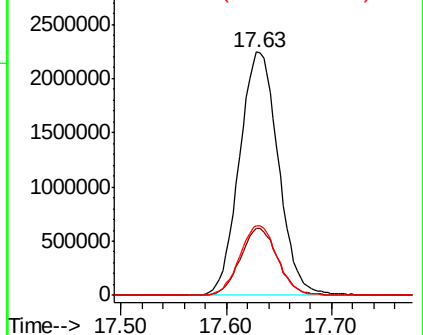


Abundance

Ion 119.10 (118.80 to 119.80): V

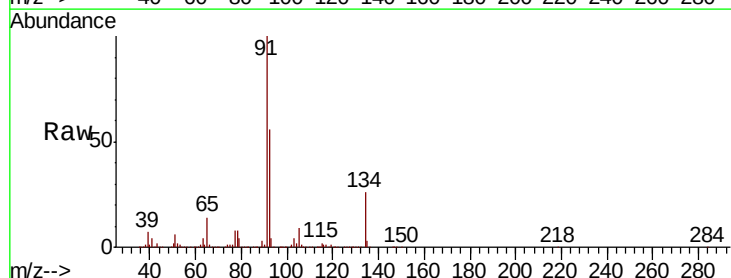
Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70
 n-Butylbenzene
 Concen: 9.367 ppbv
 RT: 18.53 min Scan# 4896
 Delta R.T. -0.00 min
 Lab File: VL036993.D
 Acq: 19 May 2021 15:29

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.2	44.6	66.8
134	25.7	20.2	30.2

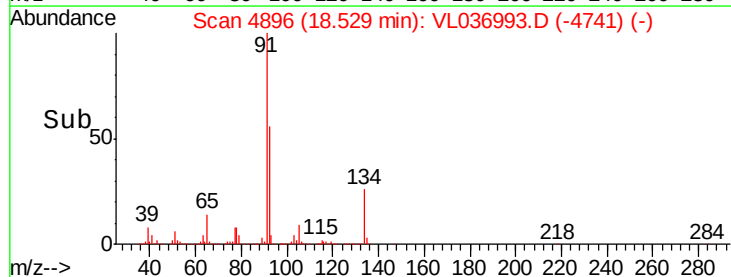
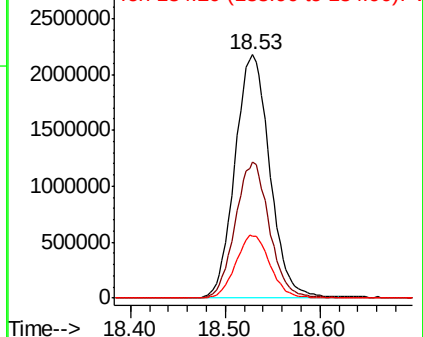


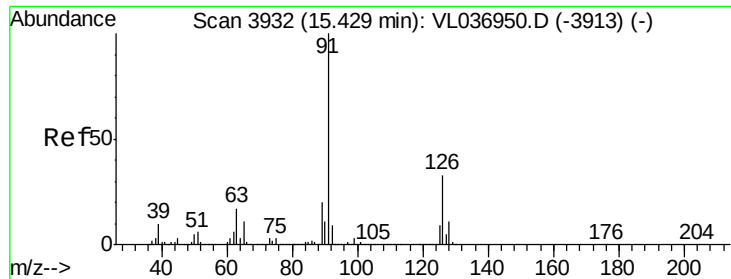
Abundance

Ion 91.10 (90.80 to 91.80): V

Ion 92.10 (91.80 to 92.80): V

Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 9.505 ppbv

RT: 15.43 min Scan# 3932

Delta R.T. -0.00 min

Lab File: VL036993.D

Acq: 19 May 2021 15:29

Instrument :

MSVOA_L

ClientSampleId :

VL0519ABS01

Tot Ion: 91 Resp: 4063596

Ion Ratio Lower Upper

91 100

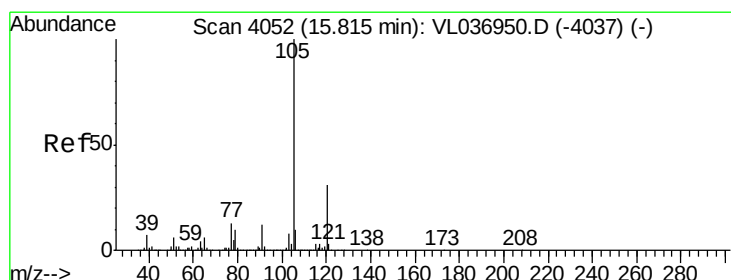
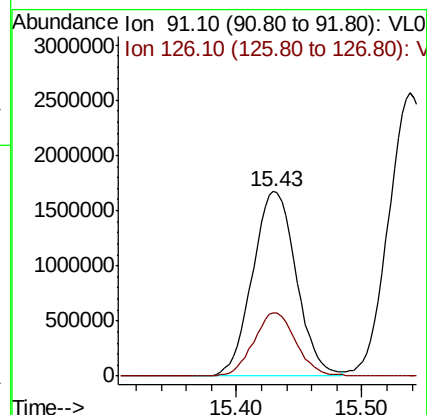
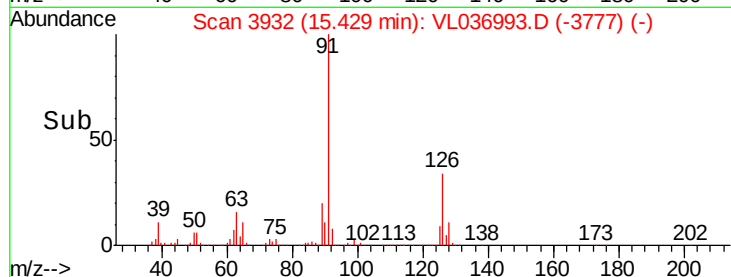
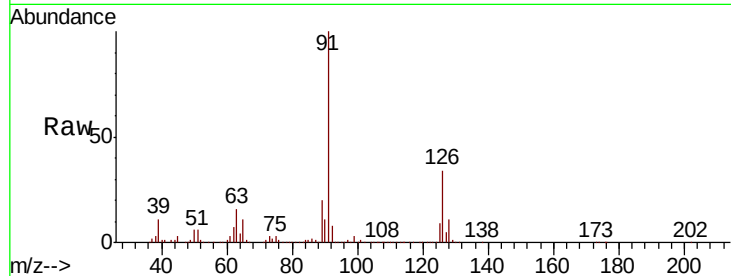
126 33.5 13.1 52.5

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#72

4-Ethyltoluene

Concen: 9.722 ppbv

RT: 15.82 min Scan# 4052

Delta R.T. -0.00 min

Lab File: VL036993.D

Acq: 19 May 2021 15:29

Tgt Ion:105 Resp: 4752430

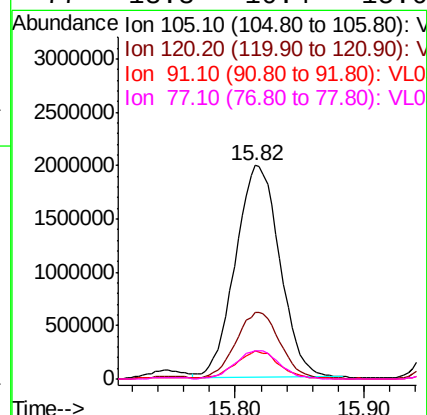
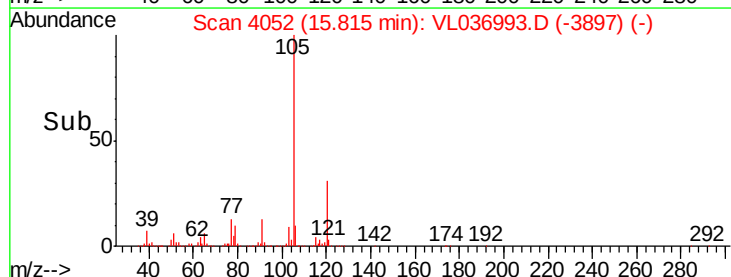
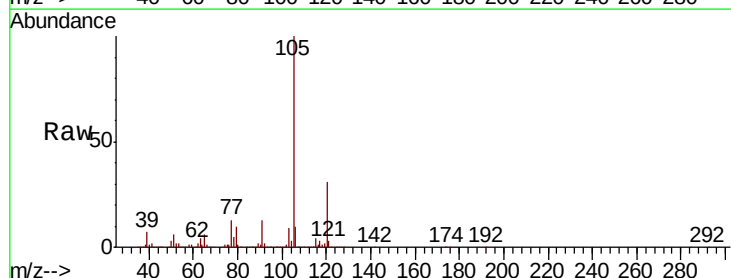
Ion Ratio Lower Upper

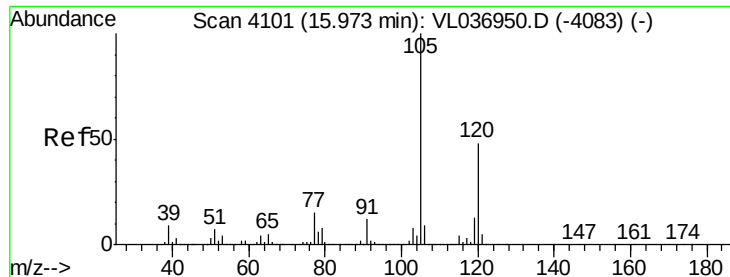
105 100

120 31.4 24.6 37.0

91 12.4 9.8 14.6

77 13.3 10.4 15.6





#73

1,3,5-Trimethylbenzene

Concen: 9.400 ppbv

RT: 15.98 min Scan# 4102

Delta R.T. 0.00 min

Lab File: VL036993.D

Acq: 19 May 2021 15:29

Instrument :

MSVOA_L

ClientSampleId :

VL0519ABS01

Tot Ion:105 Resp: 4314978

Ion Ratio Lower Upper

105 100

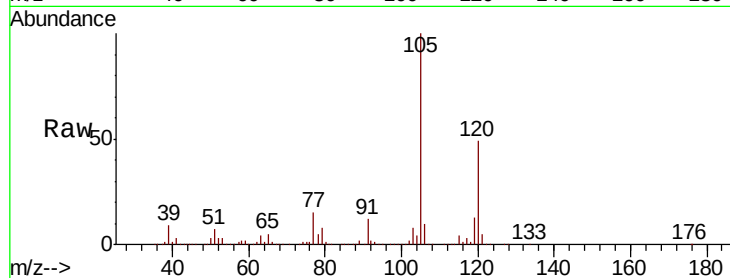
120 49.5 38.6 58.0

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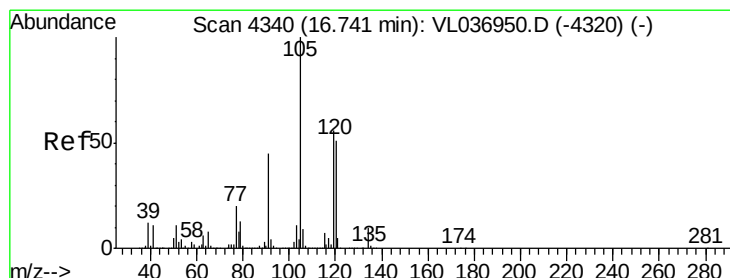
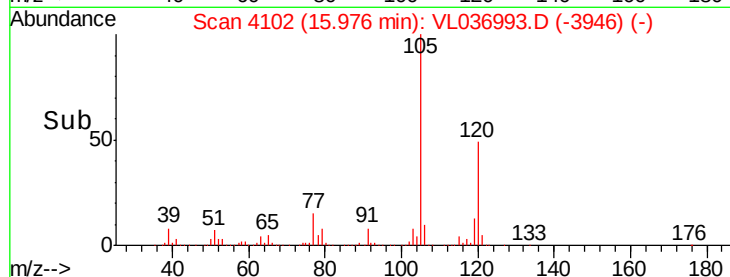
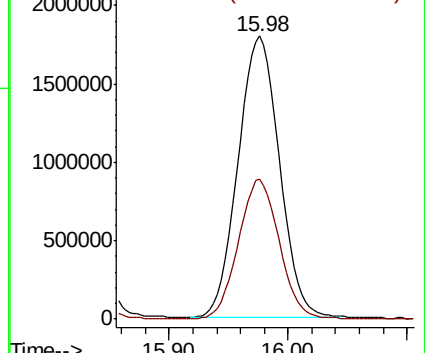
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 9.355 ppbv

RT: 16.74 min Scan# 4340

Delta R.T. -0.00 min

Lab File: VL036993.D

Acq: 19 May 2021 15:29

Tgt Ion:105 Resp: 4440205

Ion Ratio Lower Upper

105 100

120 50.6 40.6 61.0

91 47.3 37.4 56.0

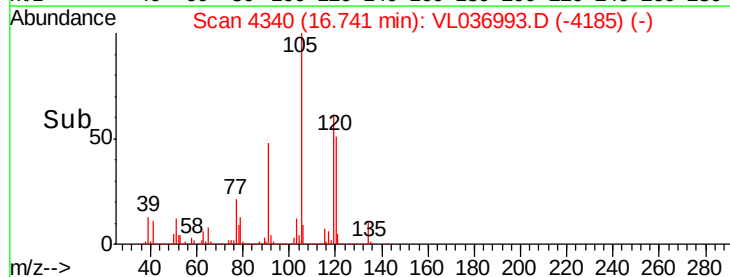
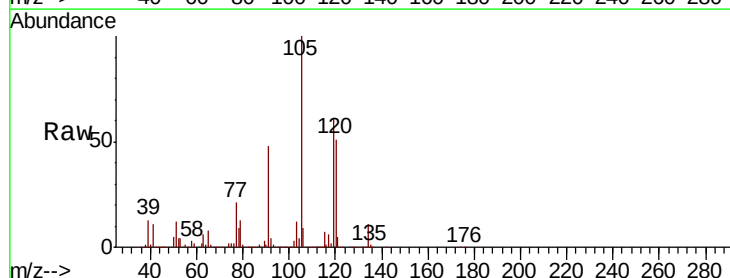
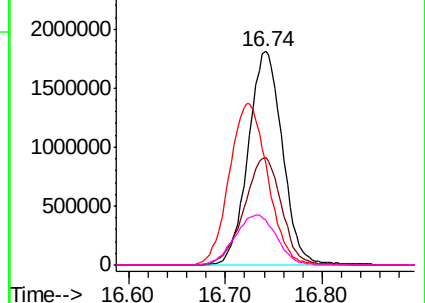
77 21.2 16.2 24.4

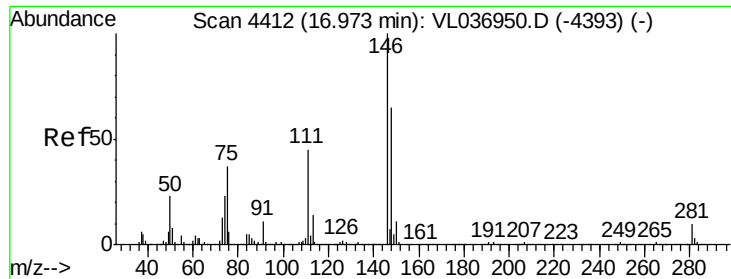
Abundance Ion 105.10 (104.80 to 105.80): V

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





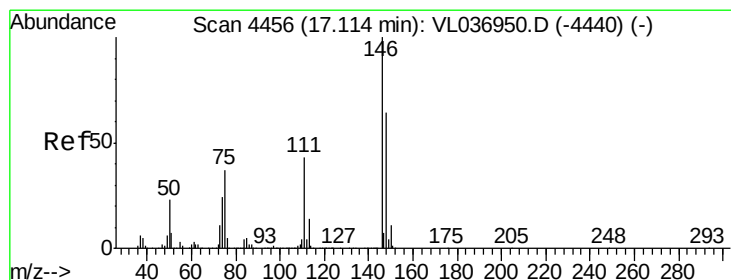
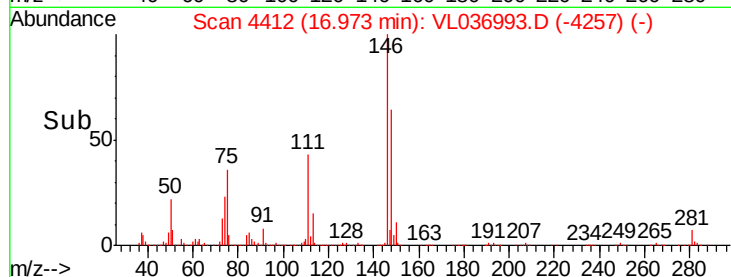
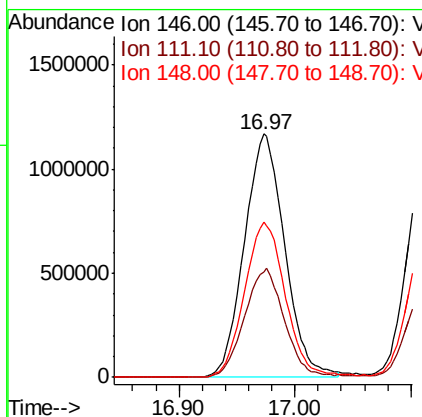
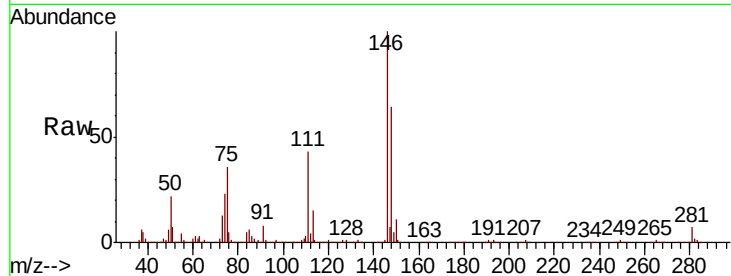
#75
 1,3-Dichlorobenzene
 Concen: 9.762 ppbv
 RT: 16.97 min Scan# 4412
 Delta R.T. -0.00 min
 Lab File: VL036993.D
 Acq: 19 May 2021 15:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0519ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.5	22.2	66.6
148	64.8	32.3	96.8

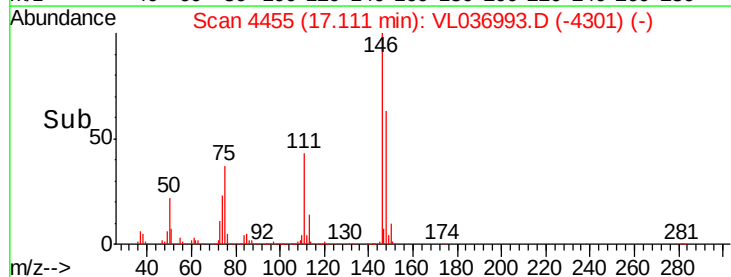
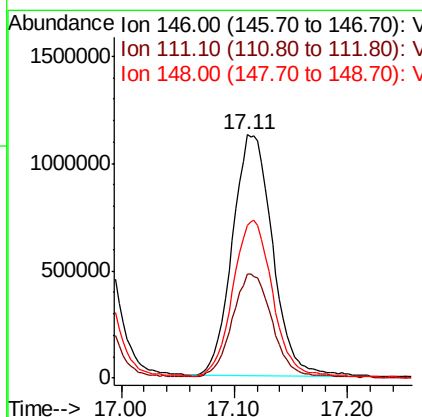
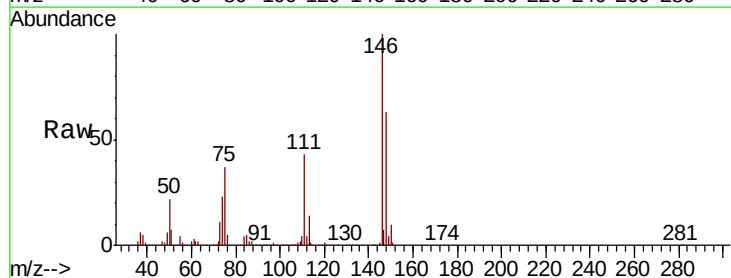
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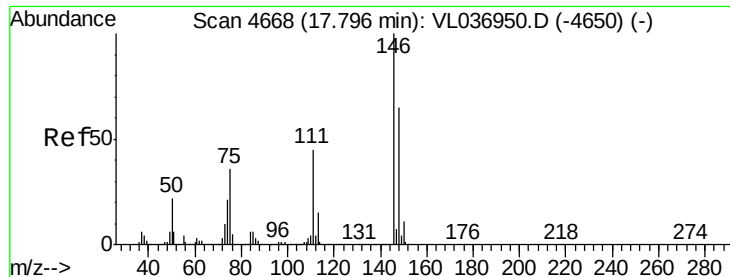
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#76
 1,4-Dichlorobenzene
 Concen: 9.438 ppbv
 RT: 17.11 min Scan# 4455
 Delta R.T. -0.00 min
 Lab File: VL036993.D
 Acq: 19 May 2021 15:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.9	22.6	67.7
148	66.3	33.5	100.5





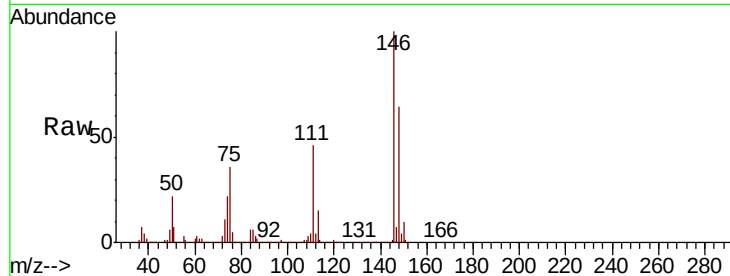
#77
 1,2-Dichlorobenzene
 Concen: 9.408 ppbv
 RT: 17.80 min Scan# 4668
 Delta R.T. -0.00 min
 Lab File: VL036993.D
 Acq: 19 May 2021 15:29

Instrument :
 MSVOA_L
 ClientSampled :
 VL0519ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.6	23.1	69.2
148	64.8	32.5	97.4

Manual Integrations
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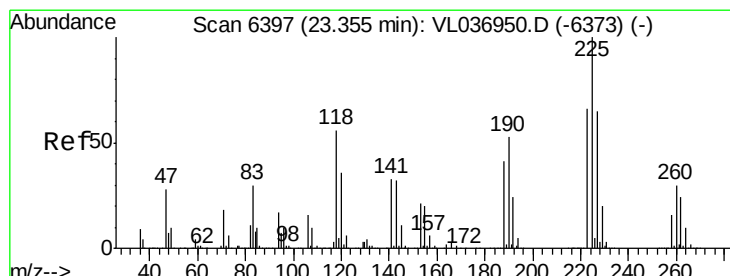
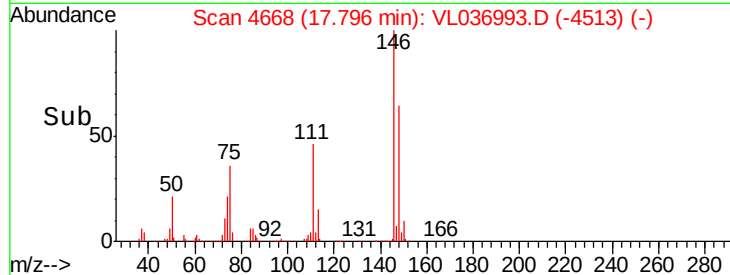
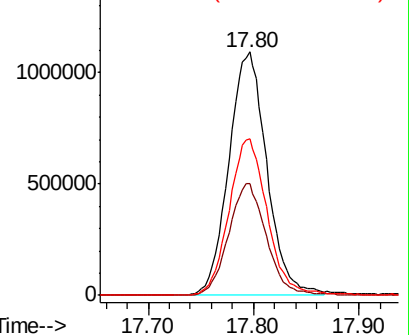


Abundance

Ion 146.00 (145.70 to 146.70): V

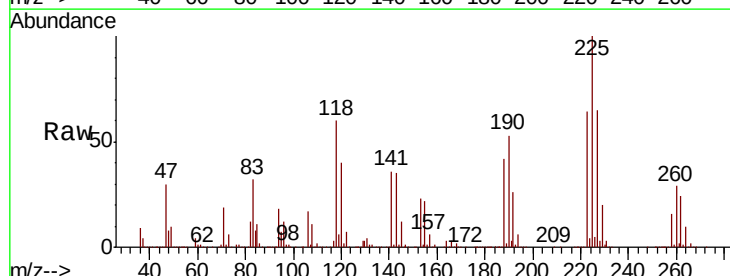
Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78
 Hexachloro-1,3-Butadiene
 Concen: 8.252 ppbv
 RT: 23.35 min Scan# 6396
 Delta R.T. -0.00 min
 Lab File: VL036993.D
 Acq: 19 May 2021 15:29

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.1	51.9	77.9
227	65.1	51.8	77.6

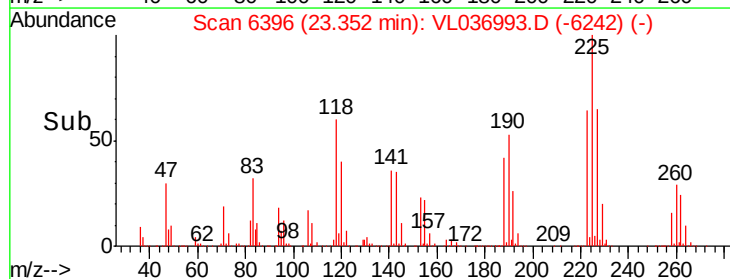
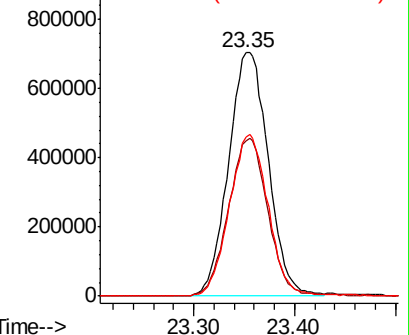


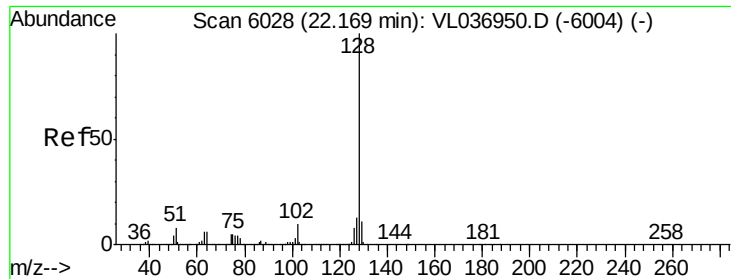
Abundance

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





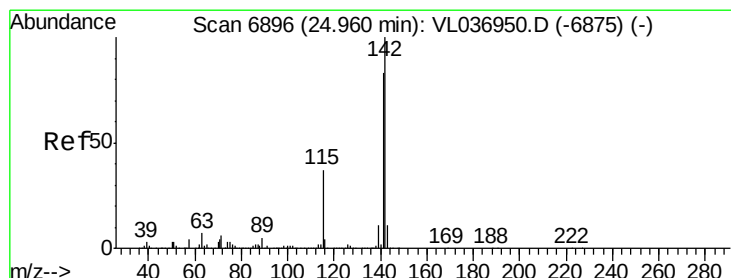
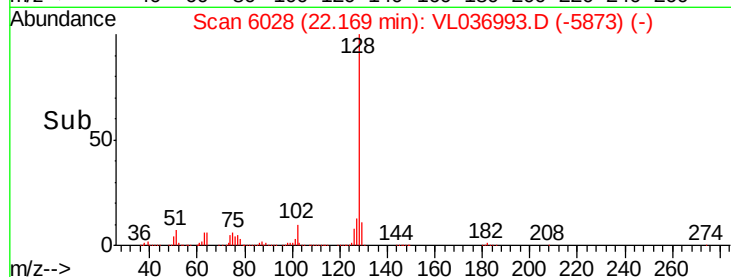
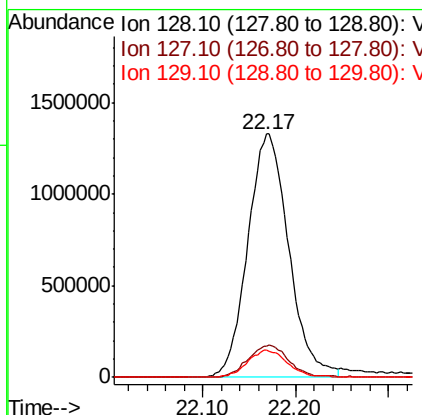
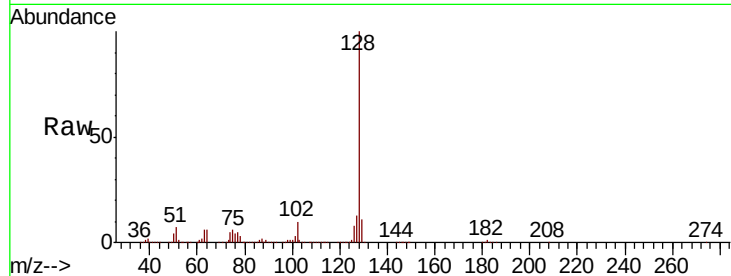
#79
Naphthalene
Concen: 10.936 ppbv
RT: 22.17 min Scan# 6028
Delta R.T. -0.00 min
Lab File: VL036993.D
Acq: 19 May 2021 15:29

Instrument :
MSVOA_L
ClientSampleId :
VL0519ABS01

Tot Ion:128 Resp: 4072584
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 11.4 9.0 13.6

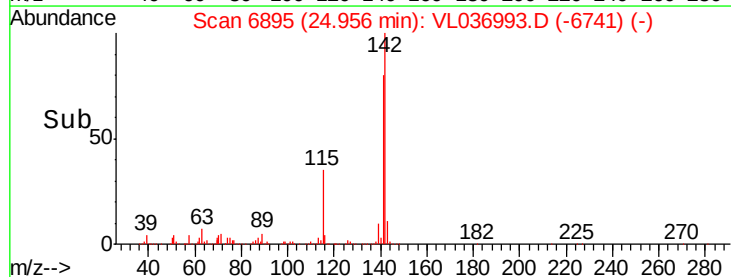
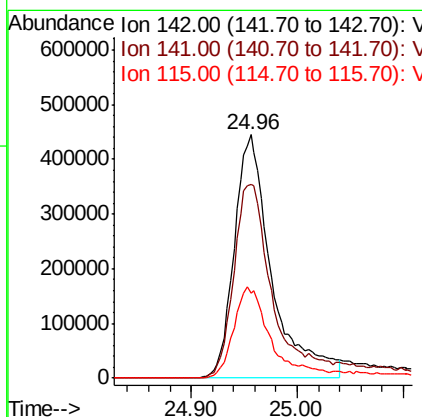
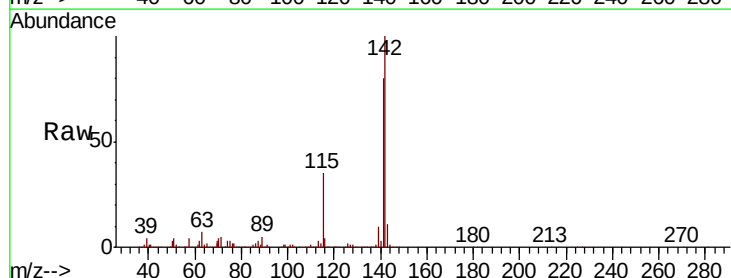
Manual Integrations
APPROVED

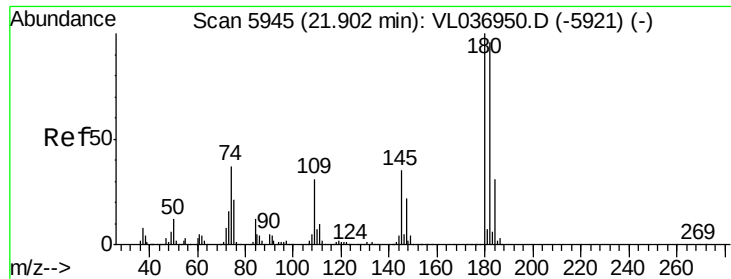
MMDadoda
5/24/2021 3:01:30 PM



#80
Naphthalene, 2-methyl-
Concen: 13.591 ppbv m
RT: 24.96 min Scan# 6895
Delta R.T. -0.00 min
Lab File: VL036993.D
Acq: 19 May 2021 15:29

Tgt Ion:142 Resp: 1100601
Ion Ratio Lower Upper
142 100
141 92.9 69.3 103.9
115 41.0 29.1 43.7





#81
 1,2,4-Trichlorobenzene
 Concen: 10.115 ppbv
 RT: 21.90 min Scan# 5945
 Delta R.T. -0.00 min
 Lab File: VL036993.D
 Acq: 19 May 2021 15:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0519ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.4	81.7	122.5
184	31.3	24.9	37.3

Manual Integrations
 APPROVED

MMDadoda
 5/24/2021 3:01:30 PM

