

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051821\
 Data File : VL036951.D
 Acq On : 18 May 2021 2:39
 Operator : SY/AP
 Sample : VSTDIC002
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Manual Integrations
 APPROVED

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 5/20/2021 5:54:14 PM

Quant Time: May 18 11:40:30 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 07:06:50 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1387365	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4004705	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3959546	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	2914201	9.44	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	476358	2.013	ppbv	97
3) Chlorodifluoromethane	2.98	51	541618	1.986	ppbv	99
4) Chloromethane	3.13	50	186940	2.099	ppbv	98
5) Vinyl Chloride	3.25	62	187783	1.934	ppbv	97
6) Bromomethane	3.46	94	99976	2.041	ppbv	99
7) Chloroethane	3.55	64	68015	2.176	ppbv	94
8) Dichlorotetrafluoroethane	3.18	85	470494	2.108	ppbv	98
9) Propene	3.00	41	188431	2.424	ppbv	94
10) Heptane	8.10	43	480913	2.599	ppbv	98
11) Trichlorofluoromethane	3.93	101	454128	2.132	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.47	101	326417	2.268	ppbv	96
13) Ethanol	3.61	45	25194m	1.707	ppbv	
14) Bromoethene	3.73	108	141644	2.453	ppbv	96
15) Acetone	3.84	43	318057m	2.441	ppbv	
16) 1,3-Butadiene	3.31	39	183587	2.178	ppbv	97
17) tert-Butyl alcohol	4.30	59	253122m	2.102	ppbv	
18) 1,1-Dichloroethene	4.28	96	153730	2.599	ppbv	95
19) Isopropyl Alcohol	3.97	45	148449m	2.000	ppbv	
20) Methylene Chloride	4.33	84	168232	1.581	ppbv	96
21) Allyl Chloride	4.39	41	217231	2.265	ppbv	97
22) trans-1,2-Dichloroethene	4.87	96	143946m	2.373	ppbv	
23) Vinyl Acetate	5.06	43	492961	2.660	ppbv	98
24) 1,1-Dichloroethane	4.99	63	363026m	2.578	ppbv	
25) Ethyl Acetate	5.66	43	754068m	2.343	ppbv	
26) Hexane	5.67	57	380450	2.301	ppbv	97
27) Carbon Disulfide	4.54	76	367611	2.511	ppbv	94
28) Methyl tert-Butyl Ether	5.02	73	456160	2.856	ppbv	99
29) Chloroform	5.73	83	527383	2.126	ppbv	100
30) Cyclohexane	7.11	84	319008	2.523	ppbv	88
31) cis-1,2-Dichloroethene	5.53	61	328575	2.537	ppbv	97
32) 1,1,1-Trichloroethane	6.49	97	536873	2.030	ppbv	99
34) 2-Butanone	5.23	43	320109	2.090	ppbv	92
35) Carbon Tetrachloride	7.00	117	545149	1.742	ppbv	99
36) Benzene	6.87	78	746488	2.320	ppbv	96
37) 1,2-Dichloroethane	6.28	62	364532	1.910	ppbv	99
38) Trichloroethene	7.81	130	295810	2.242	ppbv	98
39) 1,2-Dichloropropane	7.59	63	284233	2.157	ppbv	98
40) 1,4-Dioxane	7.83	88	62994m	1.833	ppbv	
41) Tetrahydrofuran	6.05	42	177562m	2.839	ppbv	
42) Bromodichloromethane	7.77	83	567821	2.021	ppbv	99
43) Methyl Methacrylate	8.00	69	256899	2.744	ppbv	99

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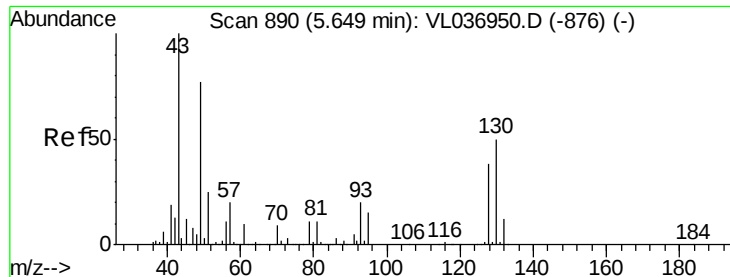
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	1295076	2.265	ppbv	98
45) t-1,3-Dichloropropene	9.26	75	189865	2.246	ppbv	94
46) cis-1,3-Dichloropropene	8.68	75	265510	2.243	ppbv	92
47) 1,1,2-Trichloroethane	9.45	97	300838	2.081	ppbv	94
48) Dibromochloromethane	10.28	129	491188	2.259	ppbv	97
49) Bromoform	13.01	173	422351	2.360	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	527434	2.516	ppbv	98
51) 2-Hexanone	10.13	43	259516	2.906	ppbv	92
52) Tetrachloroethene	11.20	164	290478	2.457	ppbv	94
53) Toluene	9.78	91	890278	2.774	ppbv	99
54) 1,2-Dibromoethane	10.58	107	427701	2.266	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.10	131	357195	1.962	ppbv #	1
57) Chlorobenzene	12.12	112	661068	1.978	ppbv	99
58) Ethyl Benzene	12.69	91	1192133	2.533	ppbv	100
59) m/p-Xylene	12.98	91	1988856m	4.497	ppbv	
60) o-Xylene	13.67	91	941802	2.201	ppbv	100
61) Styrene	13.50	104	534138	3.040	ppbv	99
62) Isopropylbenzene	14.64	105	1373297	2.354	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.65	83	637626	1.577	ppbv	100
64) n-propylbenzene	15.54	120	353489	2.448	ppbv	86
65) tert-Butylbenzene	16.72	119	1263130	2.441	ppbv	99
66) Benzyl Chloride	16.97	91	69887m	1.484	ppbv	
67) sec-Butylbenzene	17.27	105	1711856	2.342	ppbv	99
69) p-Isopropyltoluene	17.63	119	1482637	2.665	ppbv	99
70) n-Butylbenzene	18.53	91	1394455	2.501	ppbv	98
71) 2-Chlorotoluene	15.43	91	980657	2.351	ppbv	99
72) 4-Ethyltoluene	15.81	105	1120181	2.527	ppbv	98
73) 1,3,5-Trimethylbenzene	15.98	105	1052132	2.429	ppbv	95
74) 1,2,4-Trimethylbenzene	16.74	105	1130269	2.377	ppbv	97
75) 1,3-Dichlorobenzene	16.97	146	663066	2.151	ppbv	98
76) 1,4-Dichlorobenzene	17.11	146	672127m	2.440	ppbv	
77) 1,2-Dichlorobenzene	17.79	146	658023m	2.358	ppbv	
78) Hexachloro-1,3-Butadiene	23.35	225	536298	2.151	ppbv	99
79) Naphthalene	22.17	128	848579	3.950	ppbv	99
80) Naphthalene, 2-methyl-	24.96	142	134590	4.275	ppbv	93
81) 1,2,4-Trichlorobenzene	21.90	180	517718	3.368	ppbv	98

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.00 min

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MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 49 Resp: 1387365

Ion Ratio Lower Upper

49 100

128 54.0 26.9 80.7

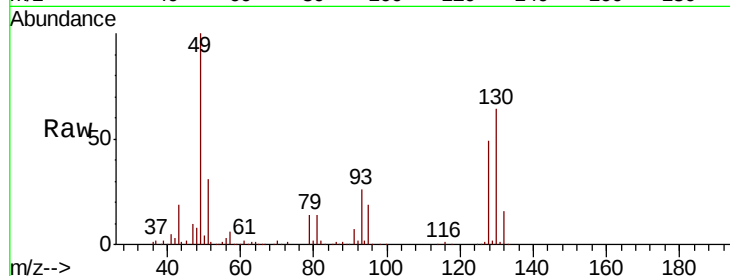
130 69.2 33.8 101.4

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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V

800000

600000

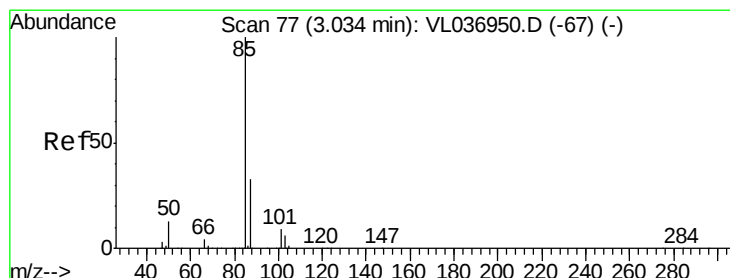
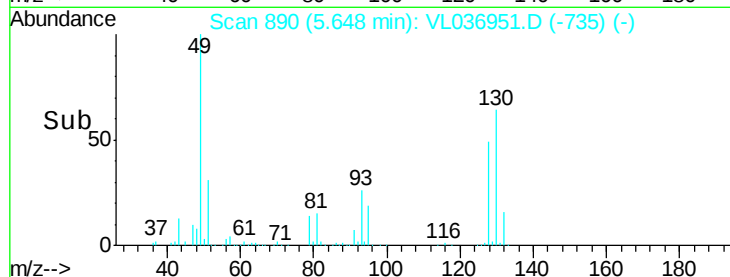
400000

200000

0

5.55 5.60 5.65 5.70 5.75

Time-->



#2

Dichlorodifluoromethane

Concen: 2.013 ppbv

RT: 3.04 min Scan# 78

Delta R.T. 0.00 min

Lab File: VL036951.D

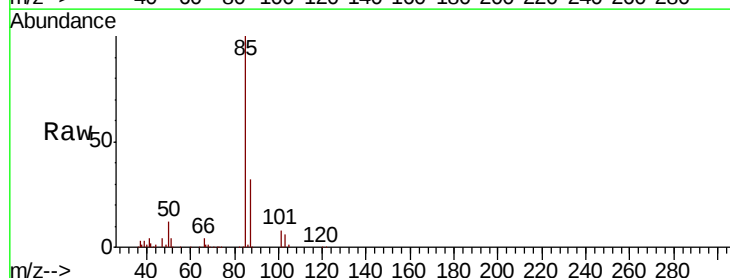
Acq: 18 May 2021 2:39

Tgt Ion: 85 Resp: 476358

Ion Ratio Lower Upper

85 100

87 31.5 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

300000

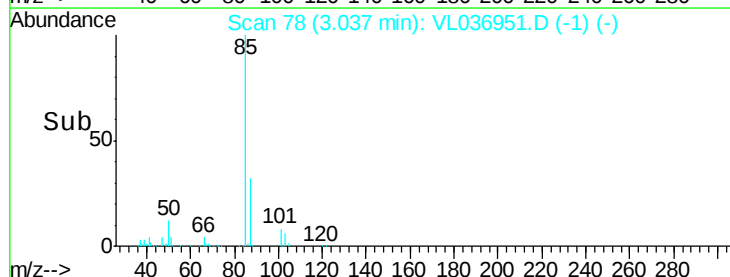
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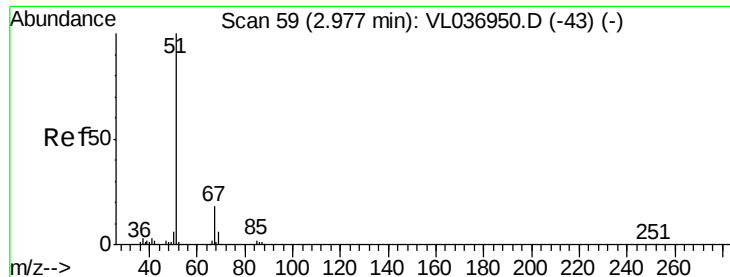
100000

0

2.95 3.00 3.05 3.10

Time-->





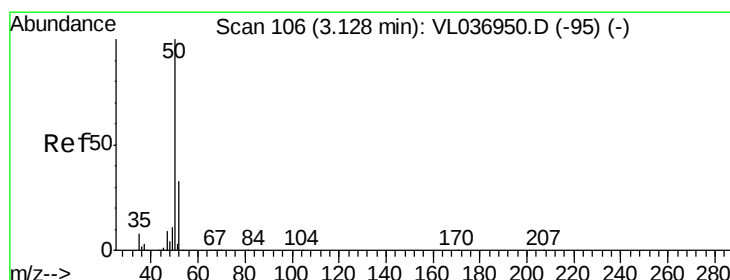
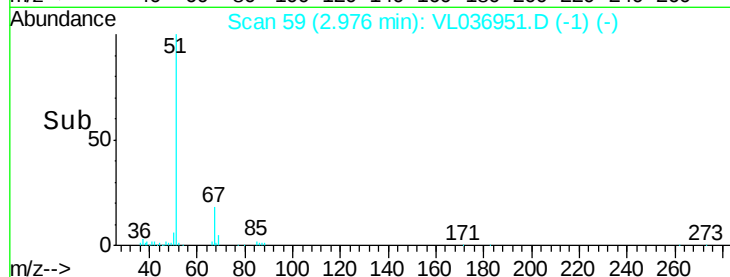
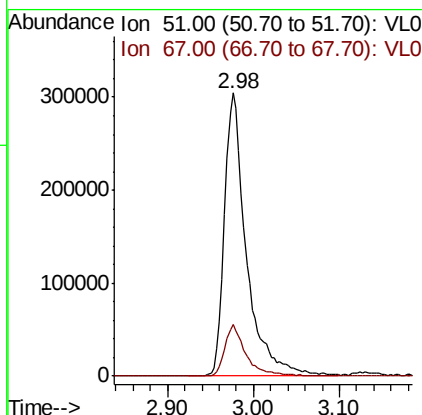
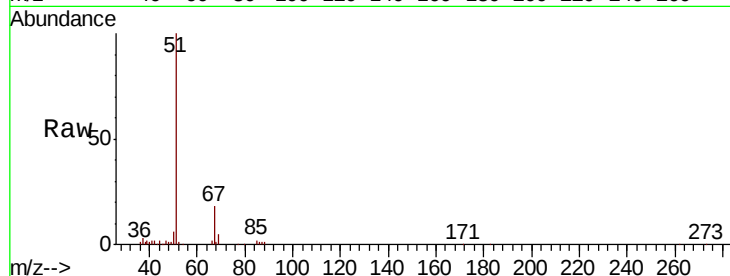
#3
Chlorodifluoromethane
Concen: 1.986 ppbv
RT: 2.98 min Scan# 59
Delta R.T. -0.00 min
Lab File: VL036951.D
Acq: 18 May 2021 2:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
51	100		
67	17.8	14.6	21.8

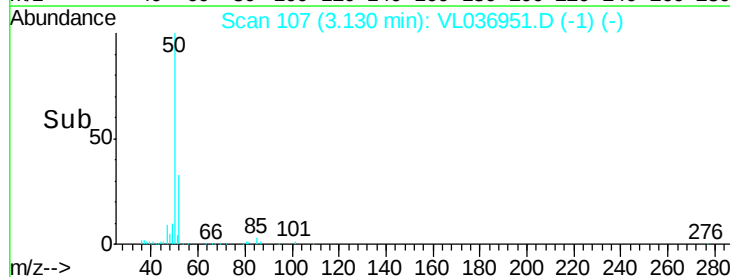
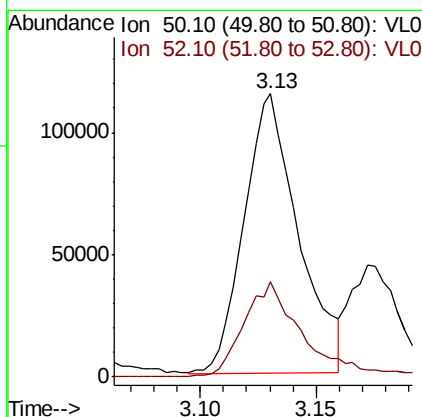
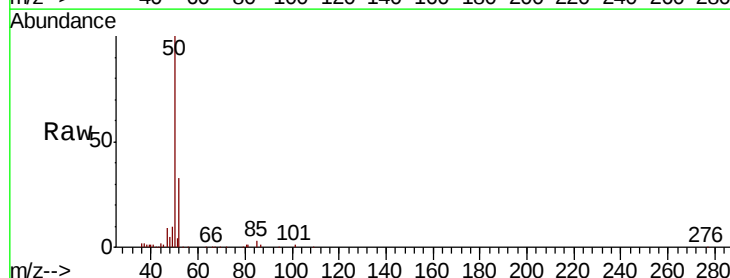
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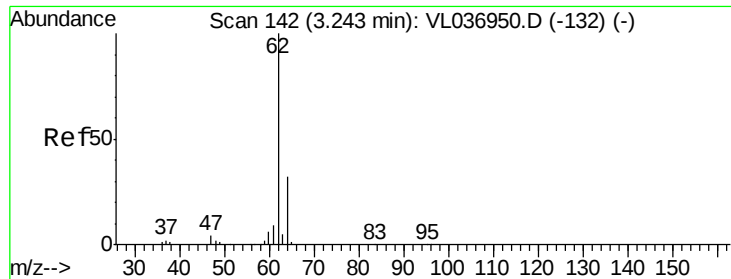
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#4
Chloromethane
Concen: 2.099 ppbv
RT: 3.13 min Scan# 107
Delta R.T. 0.00 min
Lab File: VL036951.D
Acq: 18 May 2021 2:39

Tgt Ion	Ratio	Lower	Upper
50	100		
52	34.0	26.1	39.1





#5

Vinyl Chloride

Concen: 1.934 ppbv

RT: 3.25 min Scan# 143

Delta R.T. 0.00 min

Lab File: VL036951.D

Acq: 18 May 2021 2:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 62 Resp: 187783

Ion Ratio Lower Upper

62 100

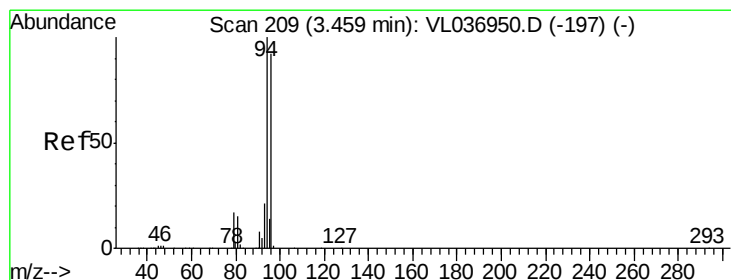
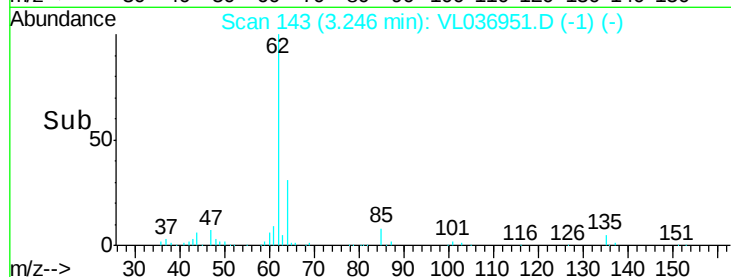
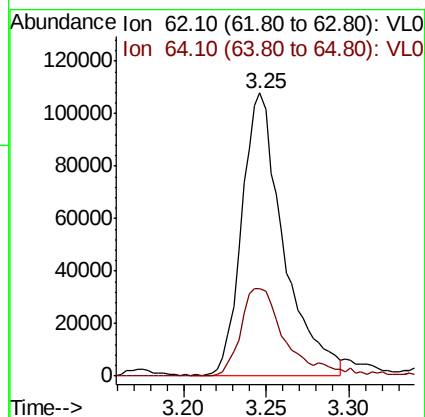
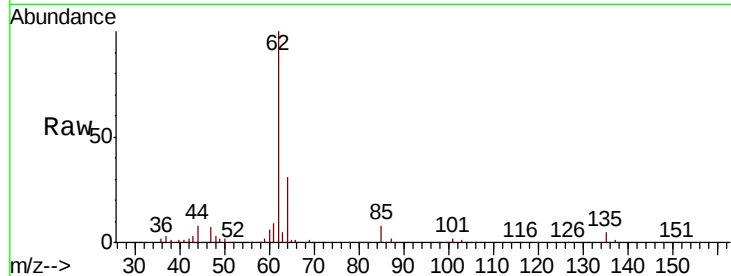
64 31.0 25.9 38.9

Manual Integrations

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#6

Bromomethane

Concen: 2.041 ppbv

RT: 3.46 min Scan# 210

Delta R.T. 0.00 min

Lab File: VL036951.D

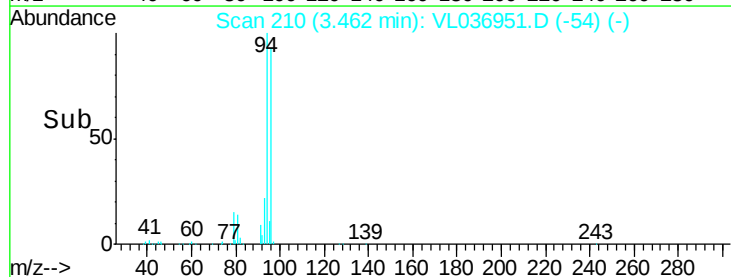
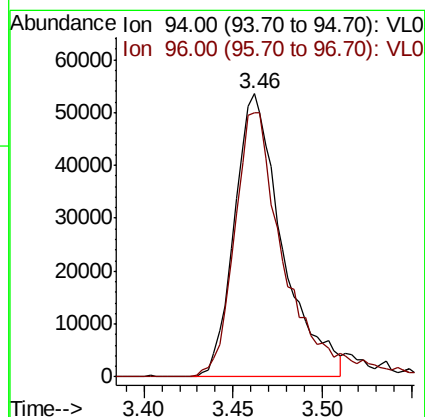
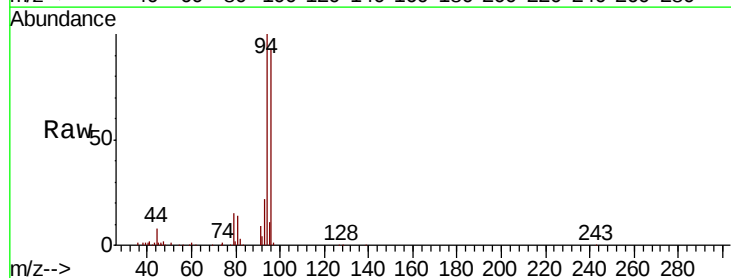
Acq: 18 May 2021 2:39

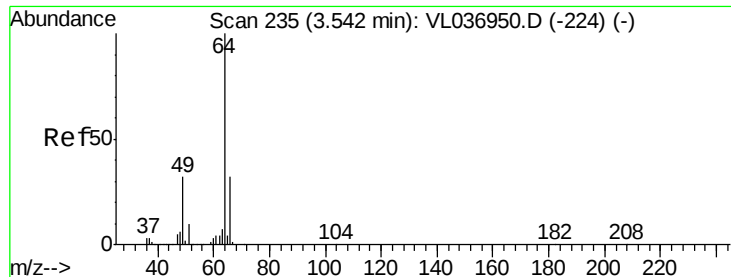
Tgt Ion: 94 Resp: 99976

Ion Ratio Lower Upper

94 100

96 93.3 74.0 111.0





#7

Chloroethane

Concen: 2.176 ppbv

RT: 3.55 min Scan# 237

Delta R.T. 0.01 min

Lab File: VL036951.D

Acq: 18 May 2021 2:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 64 Resp: 68015

Ion Ratio Lower Upper

64 100

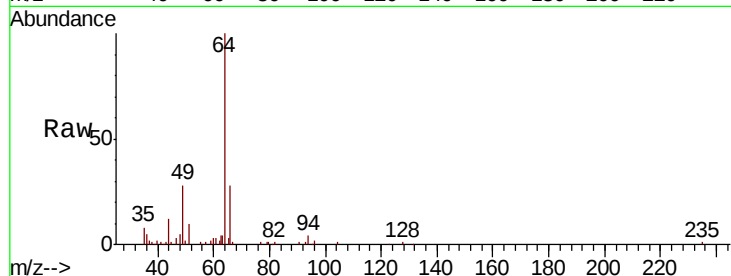
66 28.4 25.4 38.2

Manual Integrations

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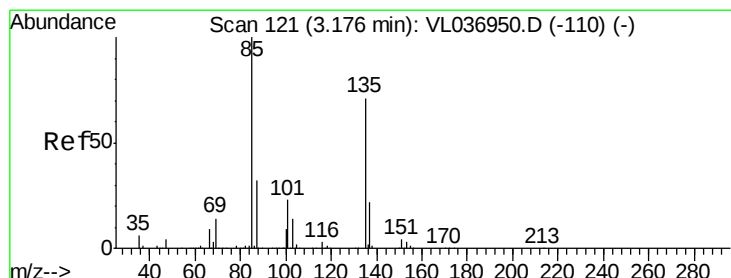
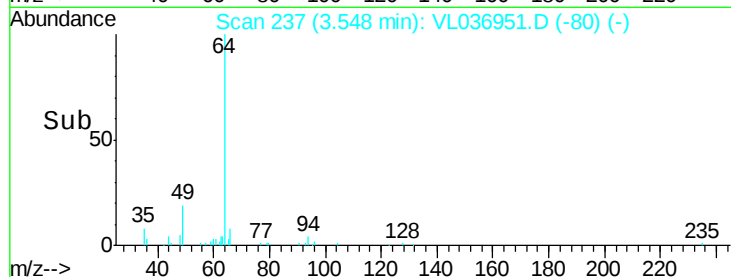
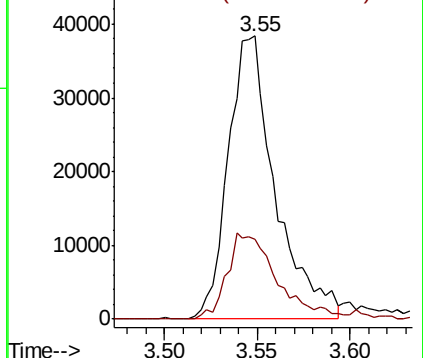
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 2.108 ppbv

RT: 3.18 min Scan# 121

Delta R.T. -0.00 min

Lab File: VL036951.D

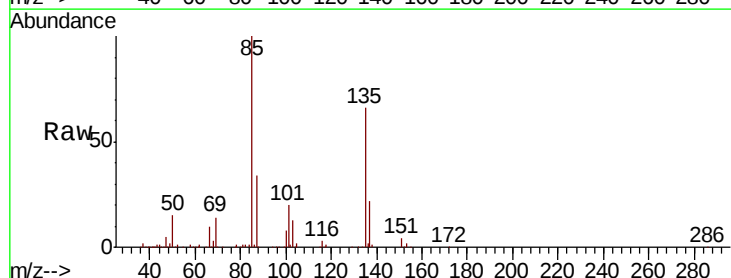
Acq: 18 May 2021 2:39

Tgt Ion: 85 Resp: 470494

Ion Ratio Lower Upper

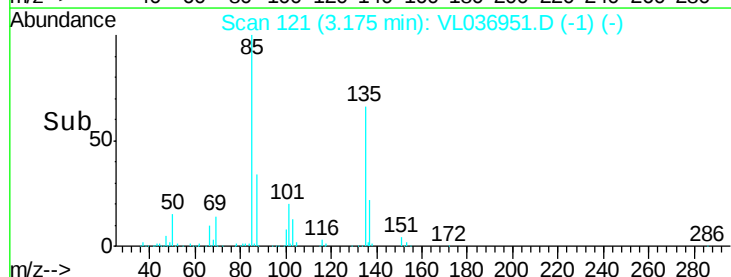
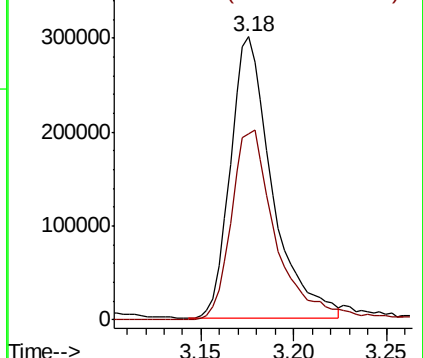
85 100

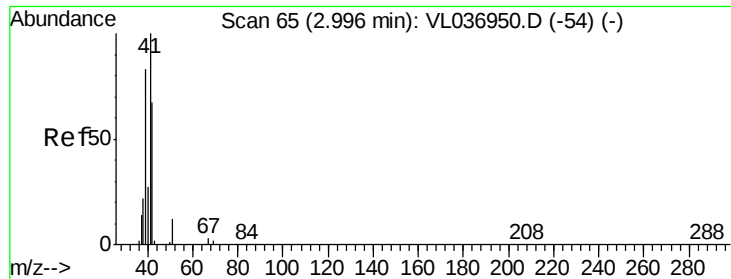
135 74.1 57.7 86.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 2.424 ppbv

RT: 3.00 min Scan# 66

Delta R.T. 0.00 min

Lab File: VL036951.D

Acq: 18 May 2021 2:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 41 Resp: 188431

Ion Ratio Lower Upper

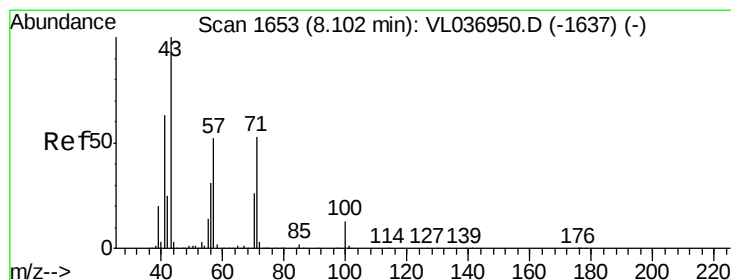
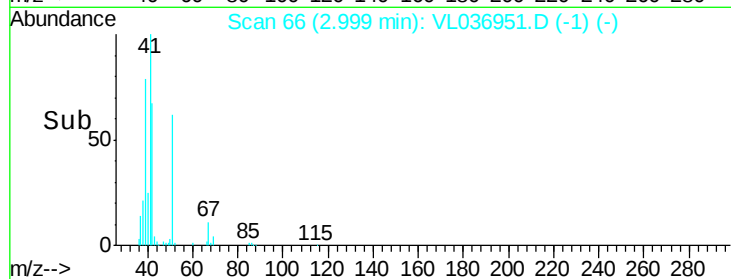
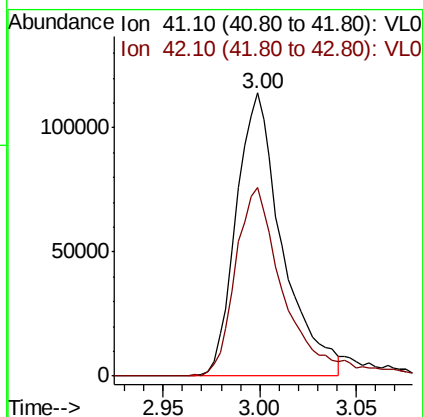
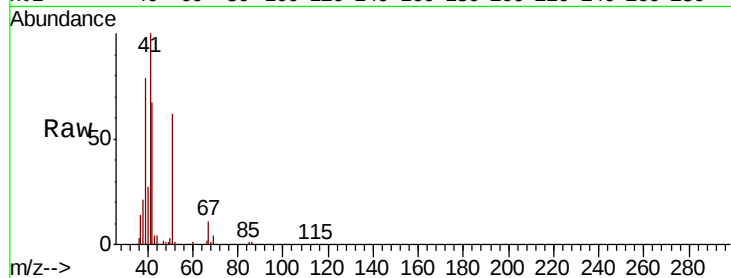
41 100

42 72.1 53.9 80.9

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#10

Heptane

Concen: 2.599 ppbv

RT: 8.10 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VL036951.D

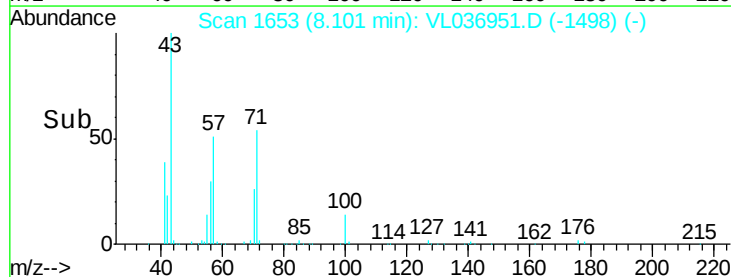
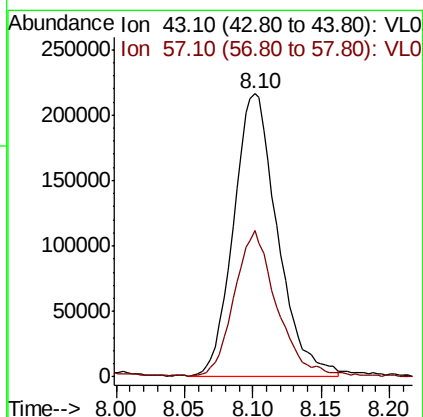
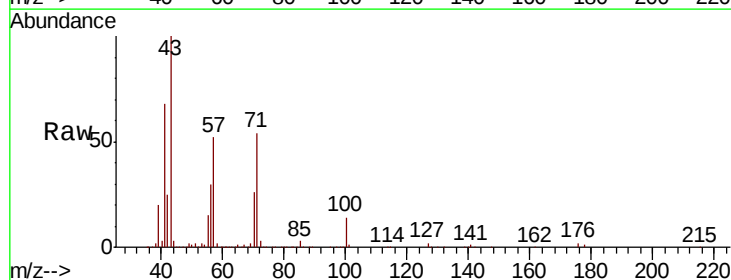
Acq: 18 May 2021 2:39

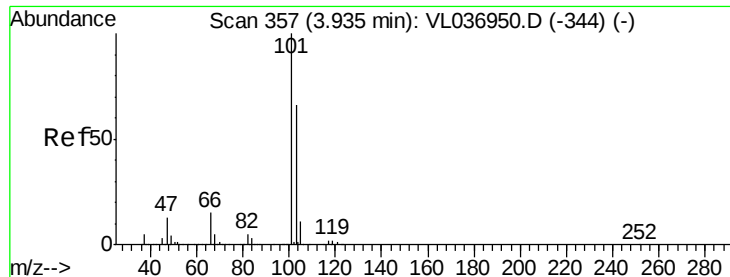
Tgt Ion: 43 Resp: 480913

Ion Ratio Lower Upper

43 100

57 49.8 41.0 61.6





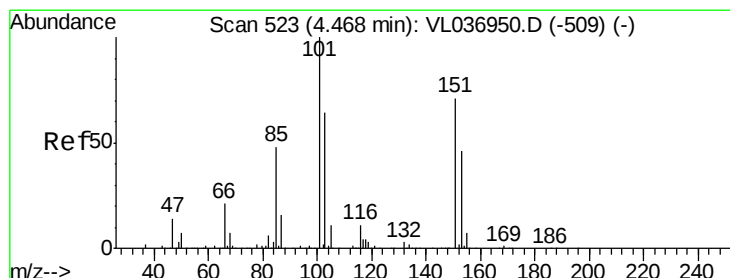
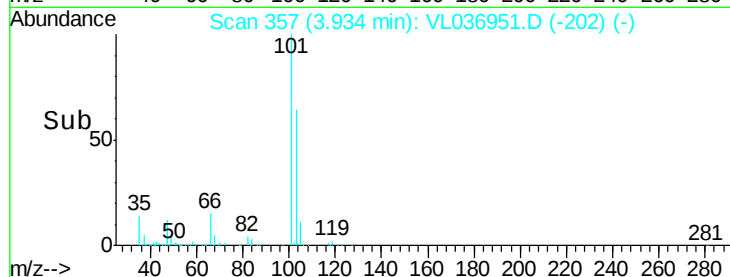
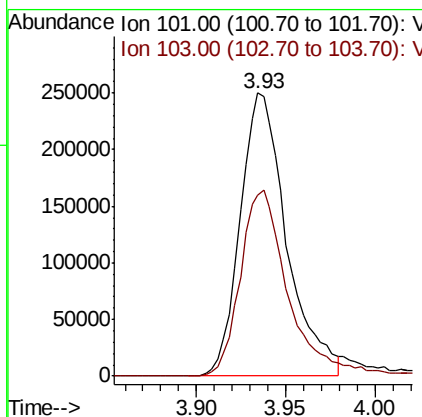
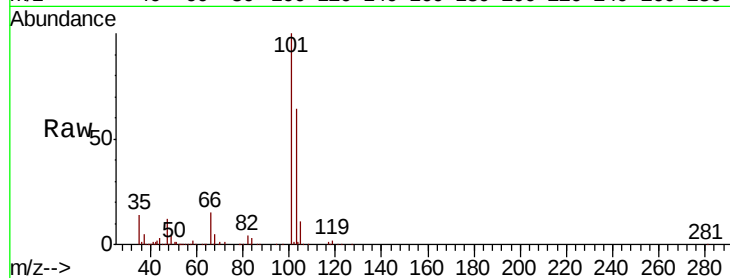
#11
 Trichlorofluoromethane
 Concen: 2.132 ppbv
 RT: 3.93 min Scan# 357
 Delta R.T. -0.00 min
 Lab File: VL036951.D
 Acq: 18 May 2021 2:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	52.6	79.0

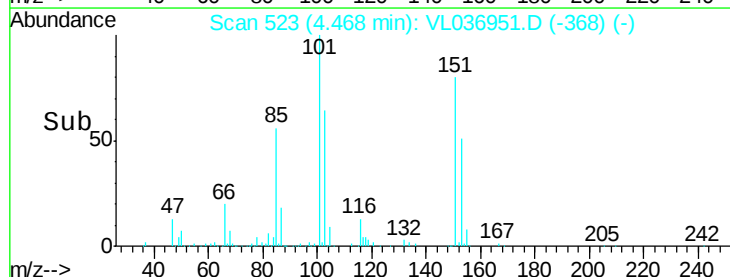
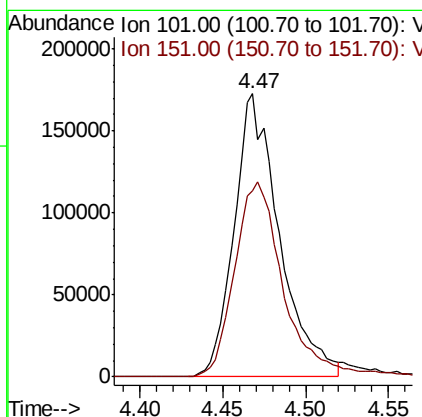
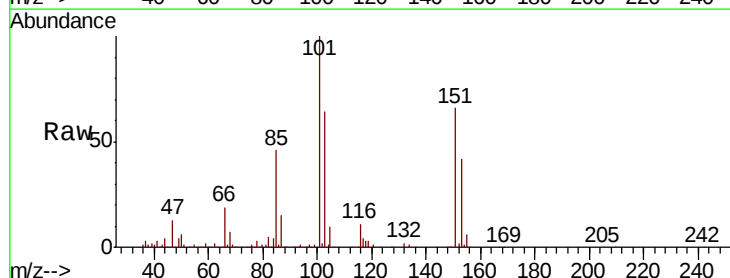
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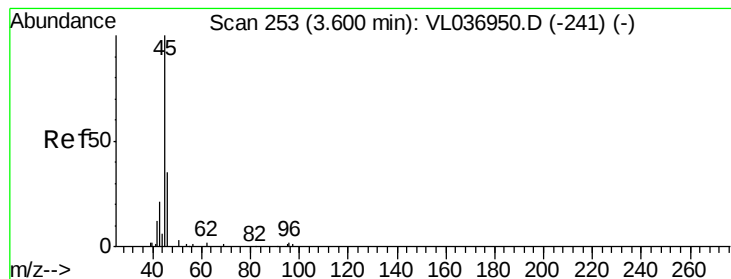
MMDadoda
 5/20/2021 5:54:14 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 2.268 ppbv
 RT: 4.47 min Scan# 523
 Delta R.T. -0.00 min
 Lab File: VL036951.D
 Acq: 18 May 2021 2:39

Tgt Ion	Ratio	Lower	Upper
101	100		
151	75.7	57.7	86.5





#13

Ethanol

Concen: 1.707 ppbv m

RT: 3.61 min Scan# 255

Delta R.T. 0.01 min

Lab File: VL036951.D

Acq: 18 May 2021 2:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 45 Resp: 25194

Ion Ratio Lower Upper

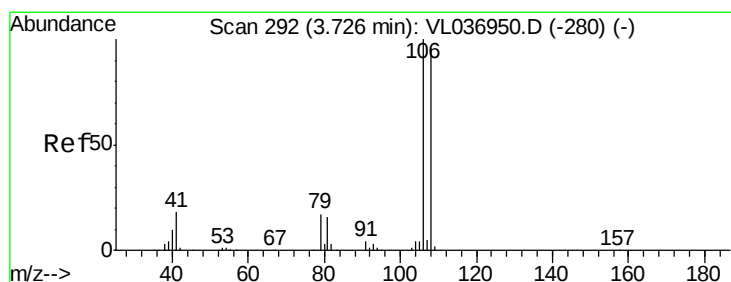
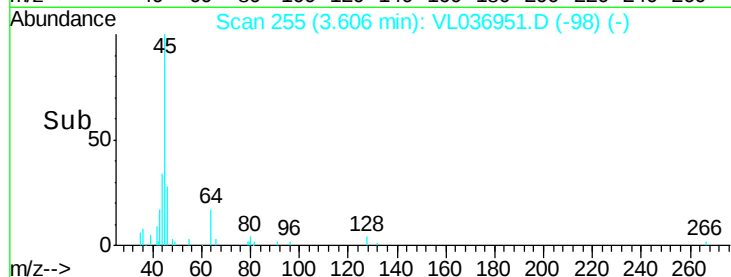
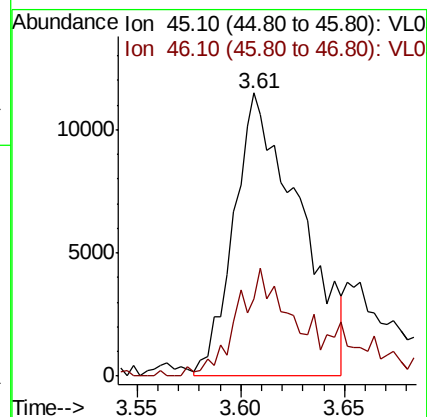
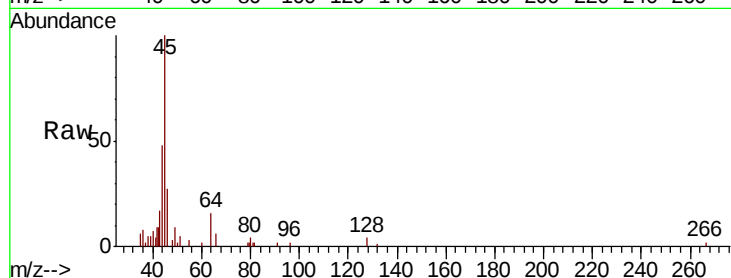
45 100

46 45.9 16.3 65.3

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#14

Bromoethene

Concen: 2.453 ppbv

RT: 3.73 min Scan# 293

Delta R.T. 0.00 min

Lab File: VL036951.D

Acq: 18 May 2021 2:39

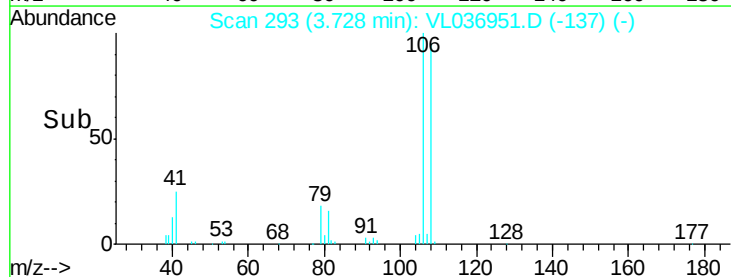
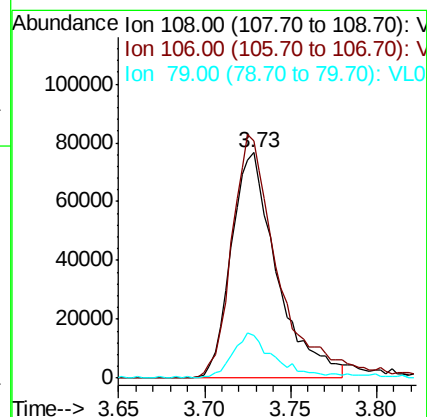
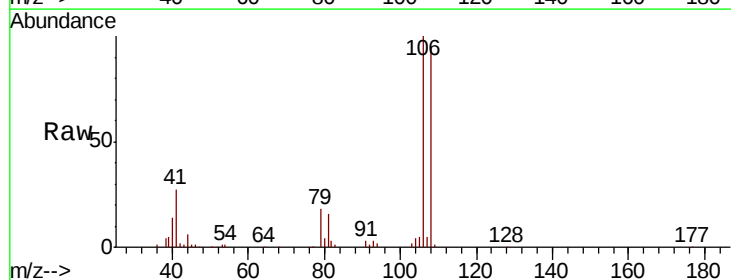
Tgt Ion: 108 Resp: 141644

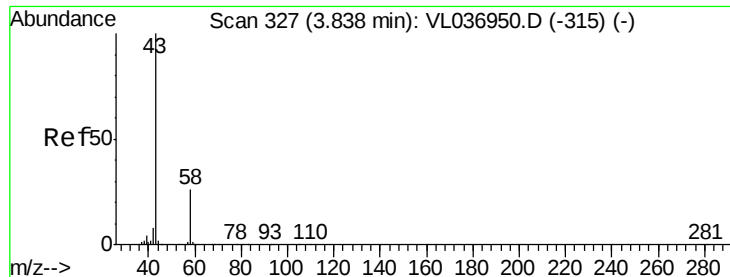
Ion Ratio Lower Upper

108 100

106 112.3 86.5 129.7

79 20.6 15.0 22.4





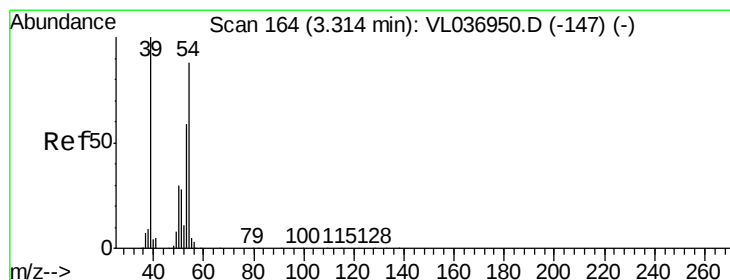
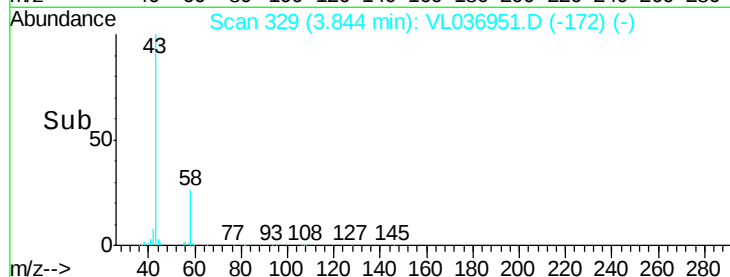
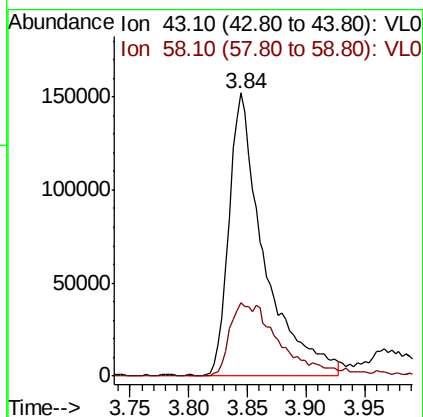
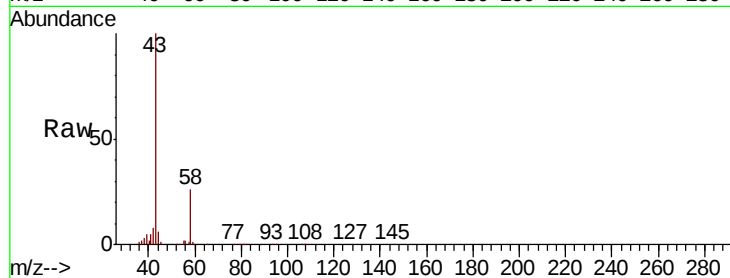
#15
Acetone
Concen: 2.441 ppbv m
RT: 3.84 min Scan# 329
Delta R.T. 0.01 min
Lab File: VL036951.D
Acq: 18 May 2021 2:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.2	24.0	36.0#

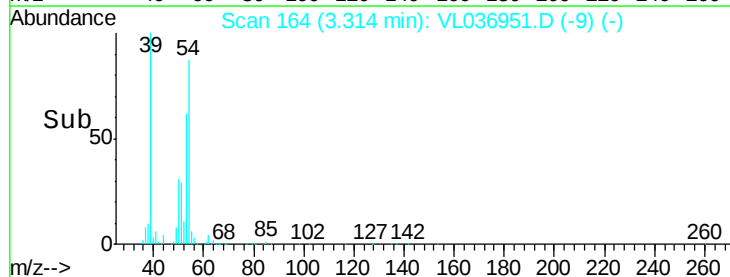
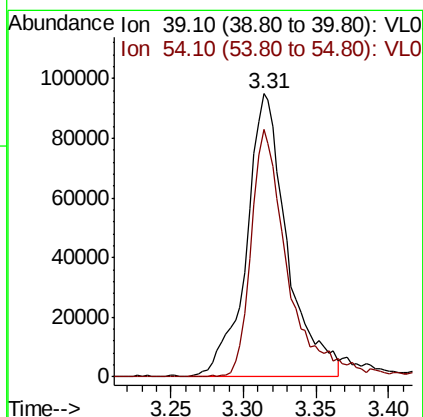
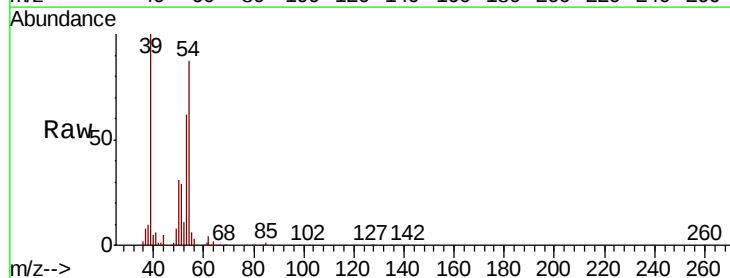
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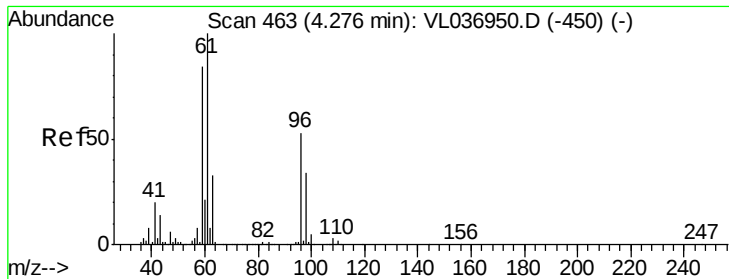
MMDadoda
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#16
1,3-Butadiene
Concen: 2.178 ppbv
RT: 3.31 min Scan# 164
Delta R.T. -0.00 min
Lab File: VL036951.D
Acq: 18 May 2021 2:39

Tgt Ion	Ratio	Lower	Upper
39	100		
54	81.6	63.2	94.8





#17

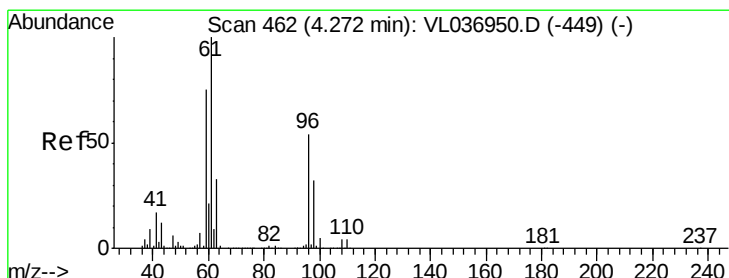
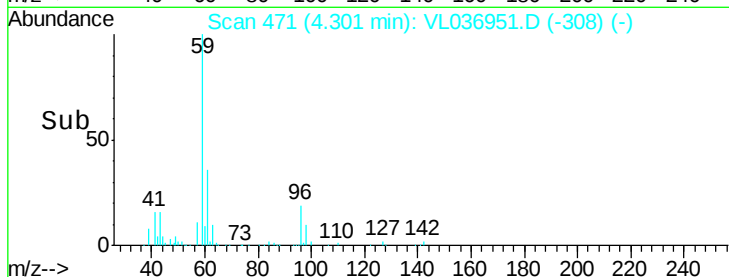
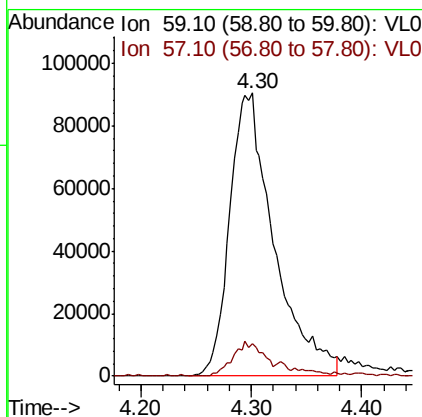
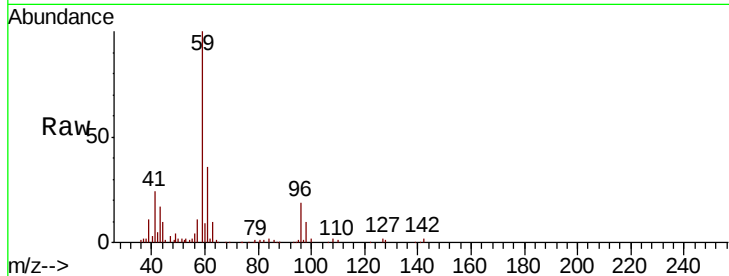
tert-Butyl alcohol
Concen: 2.102 ppbv
RT: 4.30 min Scan# 471
Delta R.T. 0.03 min
Lab File: VL036951.D
Acq: 18 May 2021 2:39

Instrument :
MSVOA_L
ClientSampled :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.8	8.3	12.5

Manual Integrations
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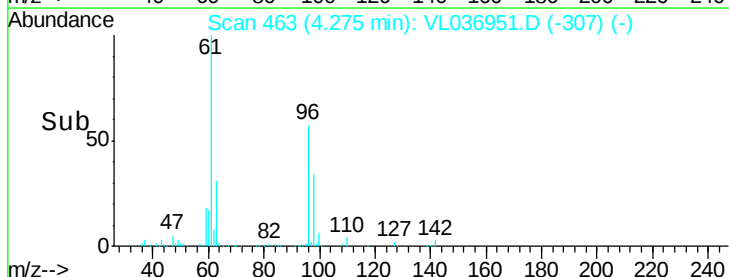
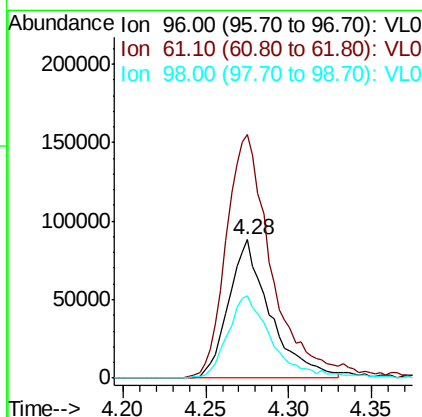
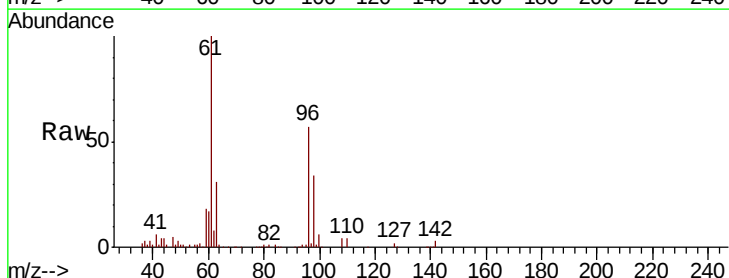
MMDadoda
5/20/2021 5:54:14 PM

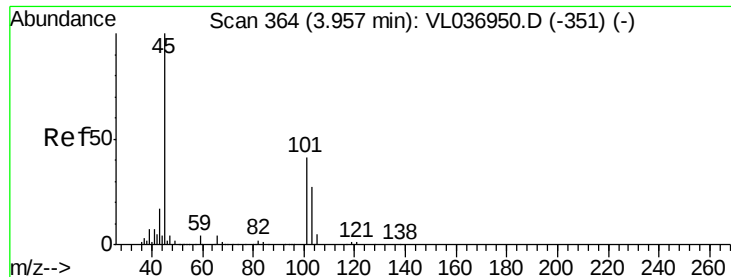


#18

1,1-Dichloroethene
Concen: 2.599 ppbv
RT: 4.28 min Scan# 463
Delta R.T. 0.00 min
Lab File: VL036951.D
Acq: 18 May 2021 2:39

Tgt Ion	Ratio	Lower	Upper
96	100		
61	175.0	148.2	222.4
98	59.8	47.8	71.6





#19

Isopropyl Alcohol

Concen: 2.000 ppbv m

RT: 3.97 min Scan# 369

Delta R.T. 0.02 min

Lab File: VL036951.D

Acq: 18 May 2021 2:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 45 Resp: 148449

Ion Ratio Lower Upper

45 100

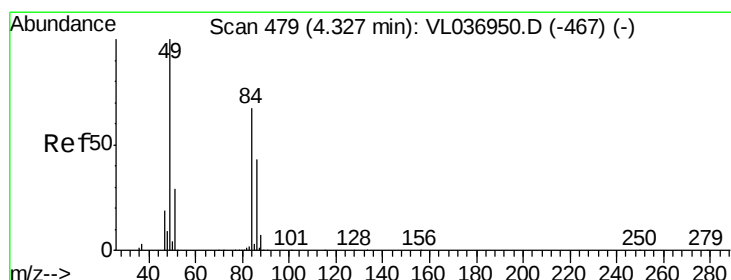
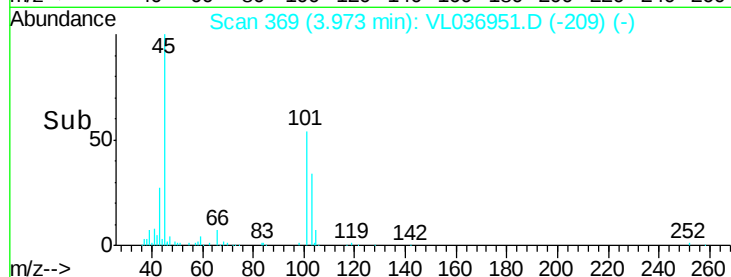
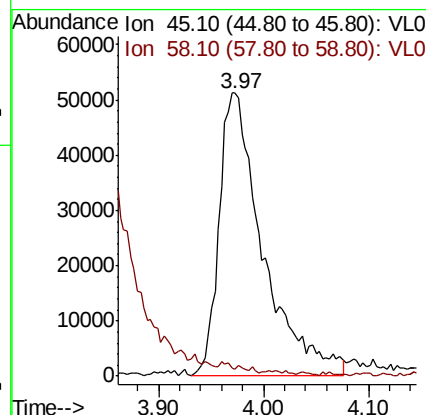
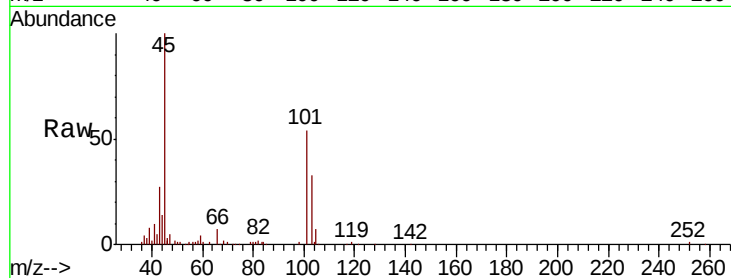
58 82.9 37.2 55.8#

Manual Integrations

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#20

Methylene Chloride

Concen: 1.581 ppbv

RT: 4.33 min Scan# 480

Delta R.T. 0.00 min

Lab File: VL036951.D

Acq: 18 May 2021 2:39

Tgt Ion: 84 Resp: 168232

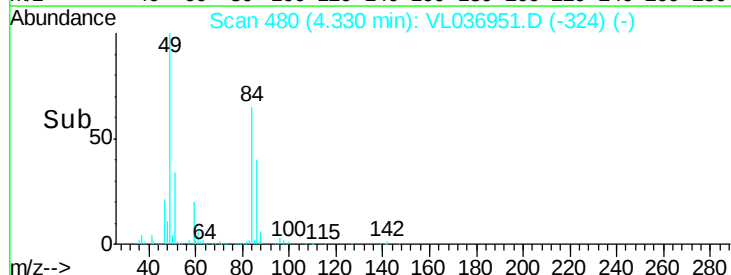
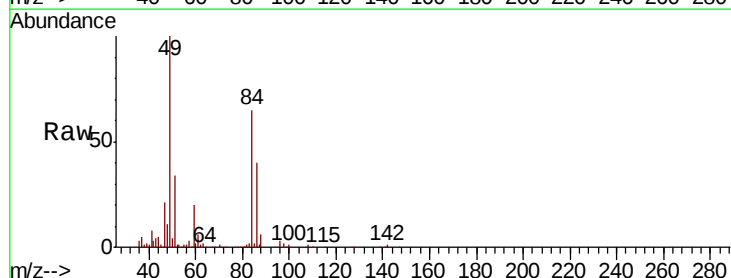
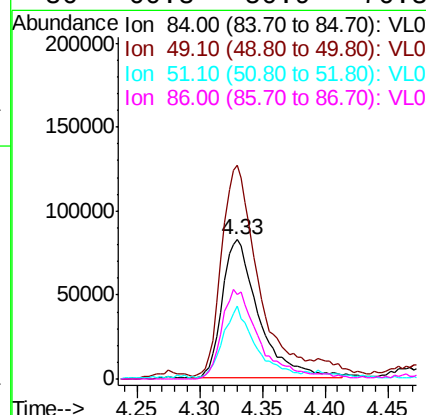
Ion Ratio Lower Upper

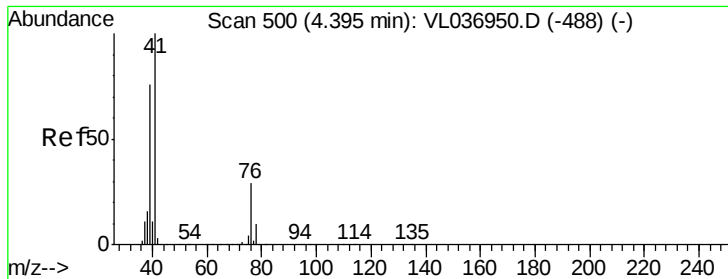
84 100

49 152.3 119.8 179.6

51 51.0 35.1 52.7

86 60.8 50.9 76.3





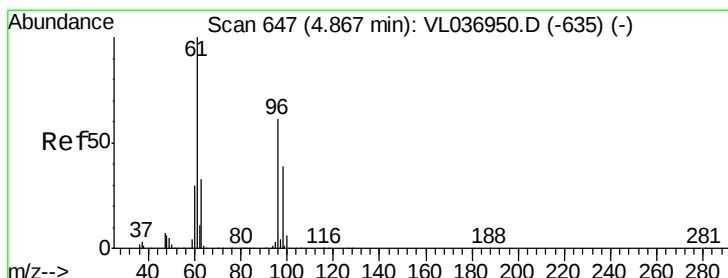
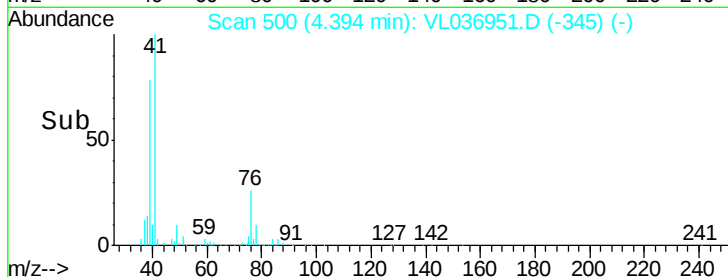
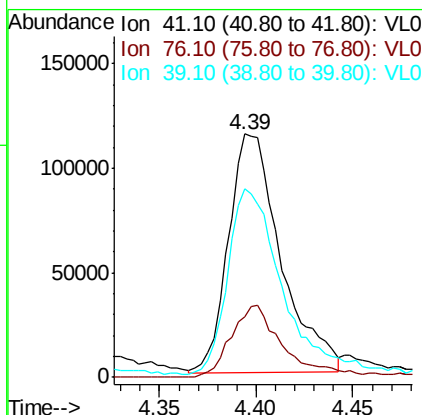
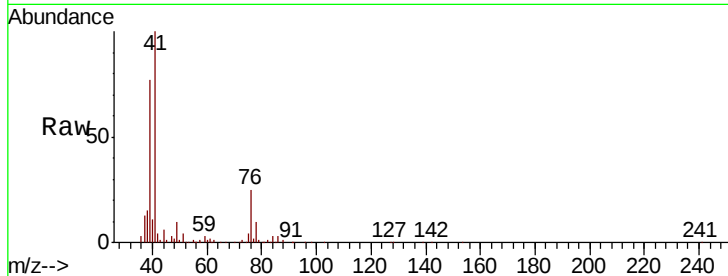
#21
Allvl Chloride
Concen: 2.265 ppbv
RT: 4.39 min Scan# 500
Delta R.T. -0.00 min
Lab File: VL036951.D
Acq: 18 May 2021 2:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
41	100		
76	31.1	24.9	37.3
39	82.8	63.7	95.5

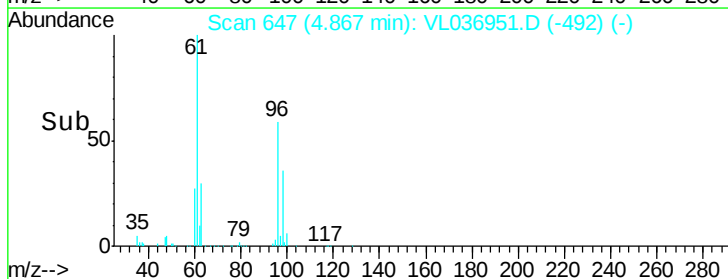
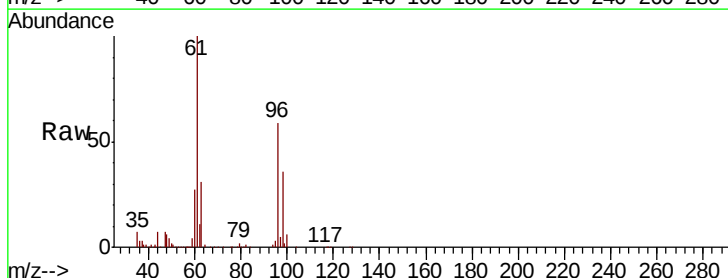
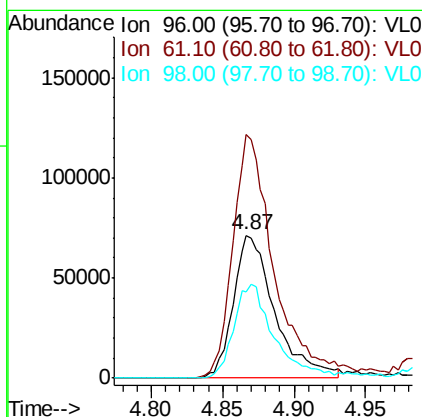
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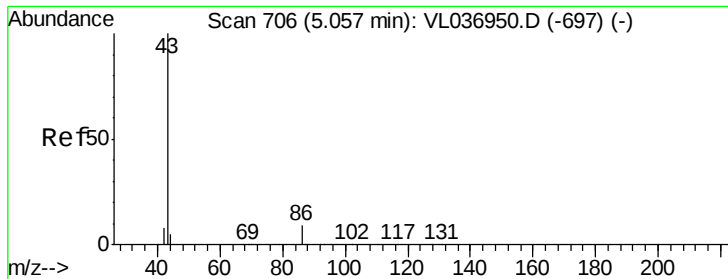
MMDadoda
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#22
trans-1,2-Dichloroethene
Concen: 2.373 ppbv m
RT: 4.87 min Scan# 647
Delta R.T. -0.00 min
Lab File: VL036951.D
Acq: 18 May 2021 2:39

Tgt Ion	Ratio	Lower	Upper
96	100		
61	170.8	130.6	196.0
98	60.7	50.8	76.2





#23

Vinyl Acetate

Concen: 2.660 ppbv

RT: 5.06 min Scan# 707

Delta R.T. 0.00 min

Lab File: VL036951.D

Acq: 18 May 2021 2:39

Instrument :

MSVOA_L

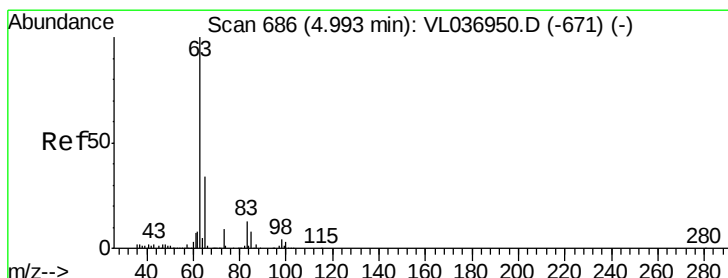
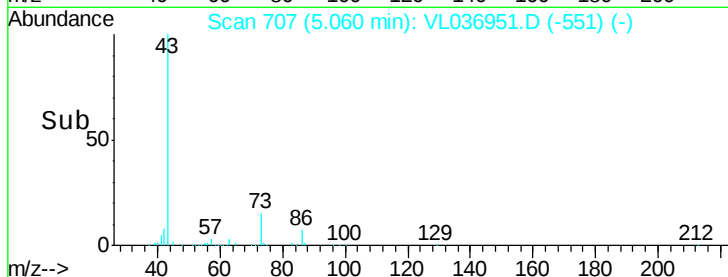
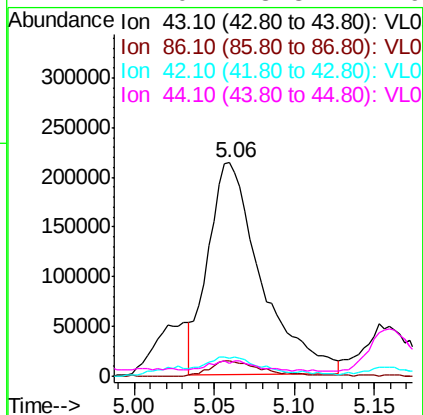
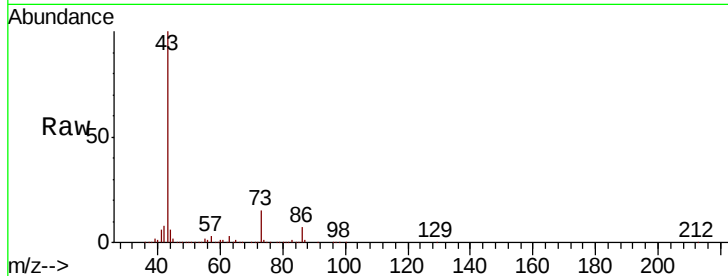
ClientSampleId :

VSTDIC002

Tot Ion	Ratio	Lower	Upper
43	100		
86	7.0	5.8	8.8
42	8.1	7.4	11.2
44	4.0	3.3	4.9

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#24

1,1-Dichloroethane

Concen: 2.578 ppbv m

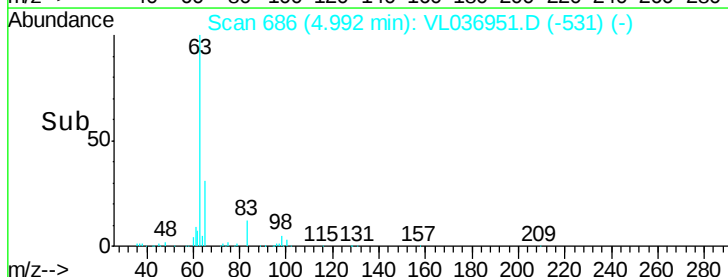
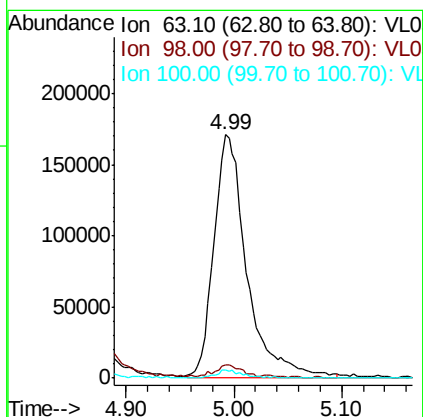
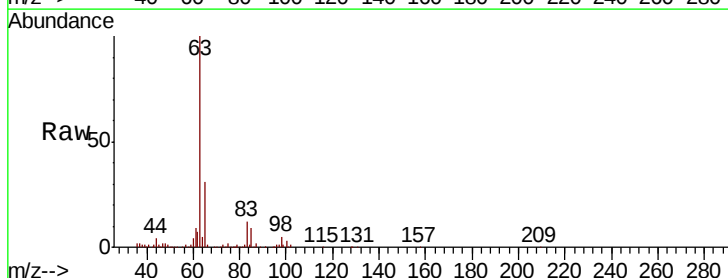
RT: 4.99 min Scan# 686

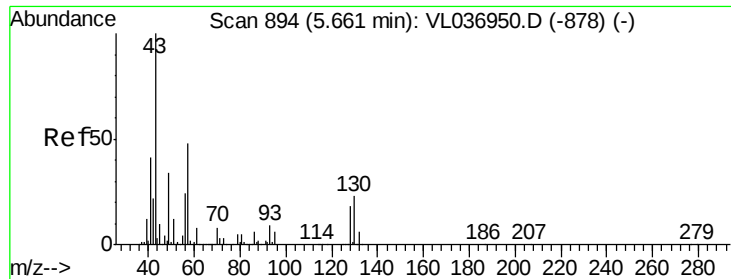
Delta R.T. -0.00 min

Lab File: VL036951.D

Acq: 18 May 2021 2:39

Tgt Ion	Ratio	Lower	Upper
63	100		
98	5.4	2.3	6.9
100	3.3	1.4	4.0





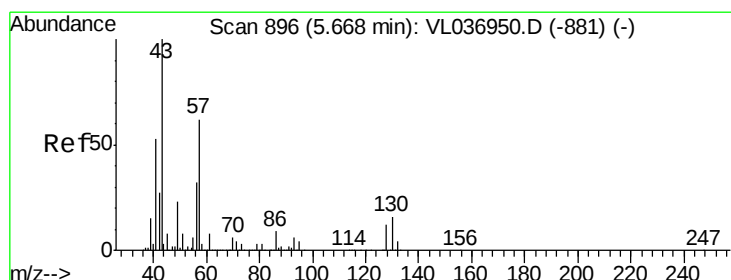
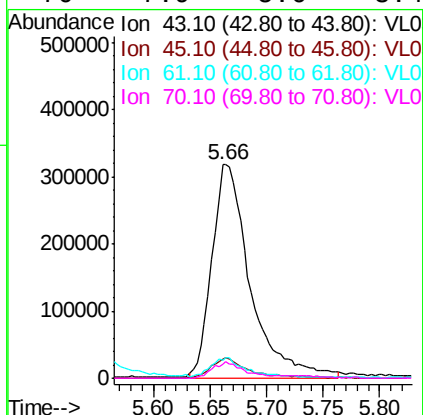
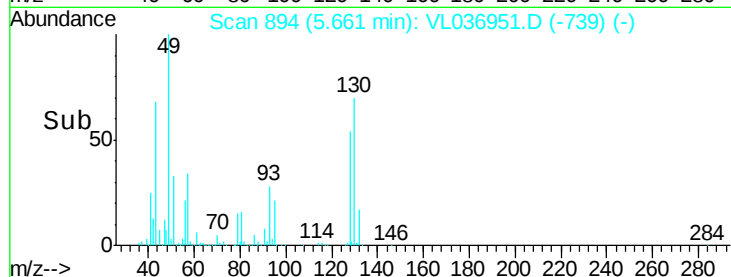
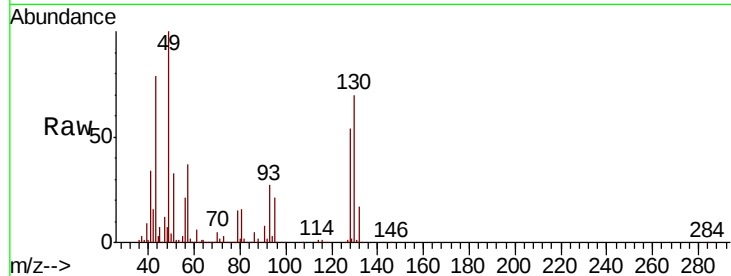
#25
Ethyl Acetate
Concen: 2.343 ppbv m
RT: 5.66 min Scan# 894
Delta R.T. -0.00 min
Lab File: VL036951.D
Acq: 18 May 2021 2:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100				
45	9.4	7.8	11.8		
61	9.4	7.8	11.8		
70	7.9	5.6	8.4		

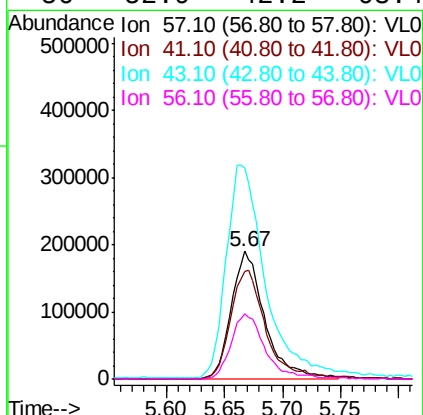
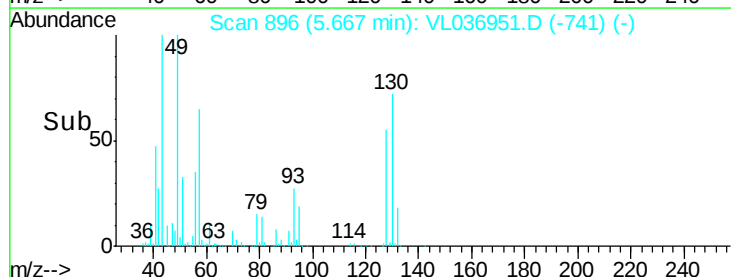
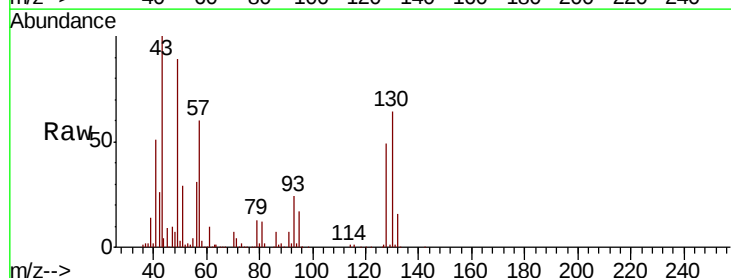
Manual Integrations
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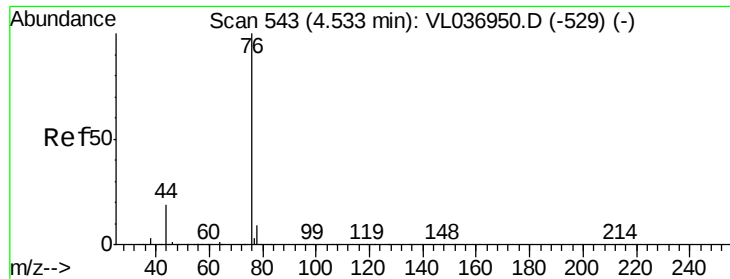
MMDadoda
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#26
Hexane
Concen: 2.301 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.00 min
Lab File: VL036951.D
Acq: 18 May 2021 2:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
57	100				
41	89.0	70.5	105.7		
43	200.7	165.8	248.8		
56	52.9	42.2	63.4		





#27

Carbon Disulfide

Concen: 2.511 ppbv

RT: 4.54 min Scan# 544

Delta R.T. 0.00 min

Lab File: VL036951.D

Acq: 18 May 2021 2:39

Instrument :

MSVOA_L

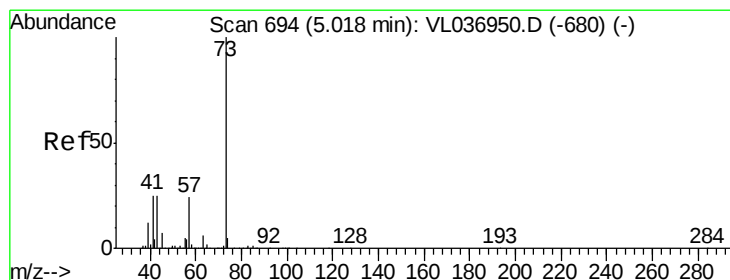
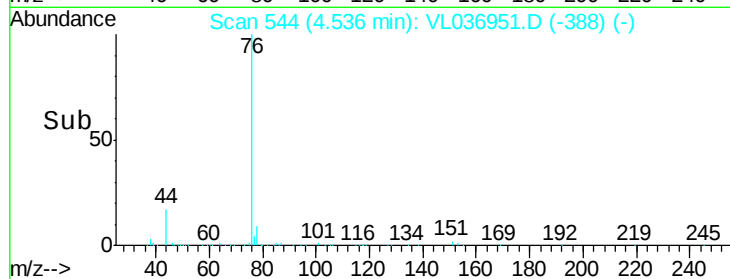
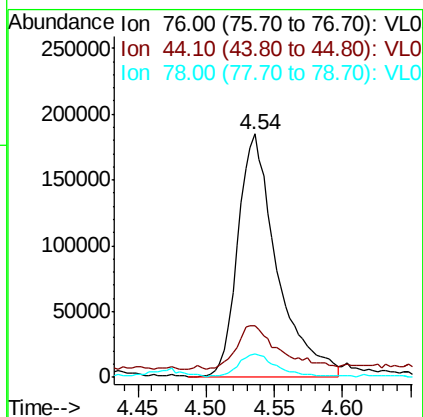
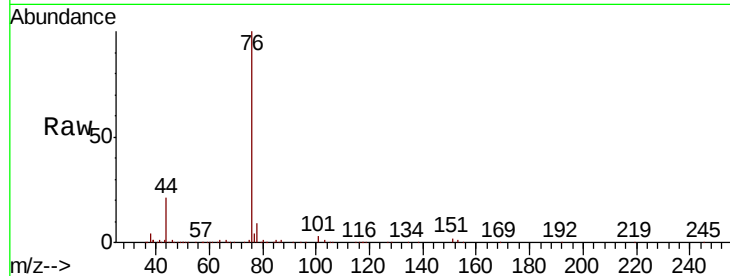
ClientSampleId :

VSTDIC002

Tot Ion:	76	Resp:	367611
Ion Ratio	Lower	Upper	
76	100		
44	22.6	15.5	23.3
78	10.5	7.8	11.6

Manual Integrations
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#28

Methyl tert-Butyl Ether

Concen: 2.856 ppbv

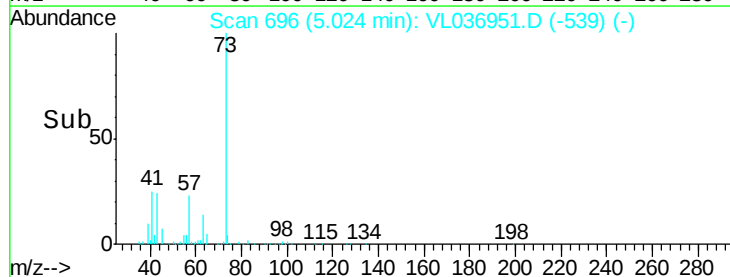
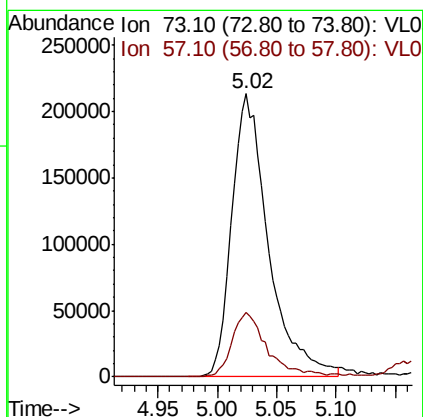
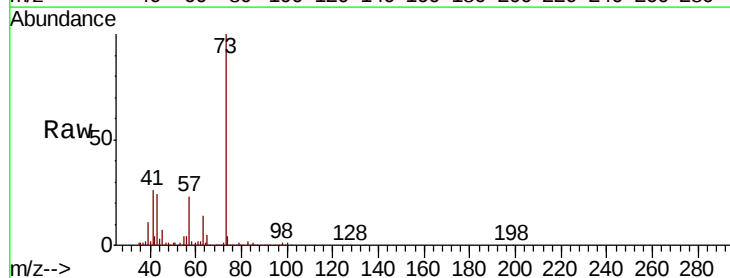
RT: 5.02 min Scan# 696

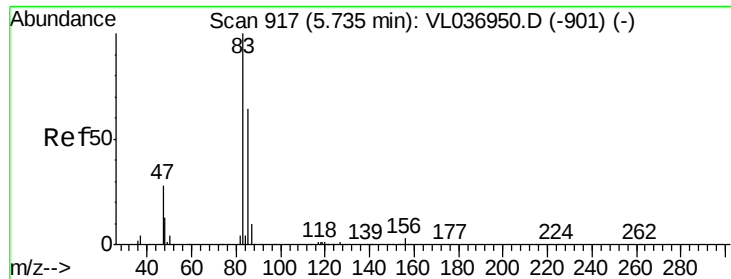
Delta R.T. 0.01 min

Lab File: VL036951.D

Acq: 18 May 2021 2:39

Tgt Ion:	73	Resp:	456160
Ion Ratio	Lower	Upper	
73	100		
57	22.5	18.3	27.5





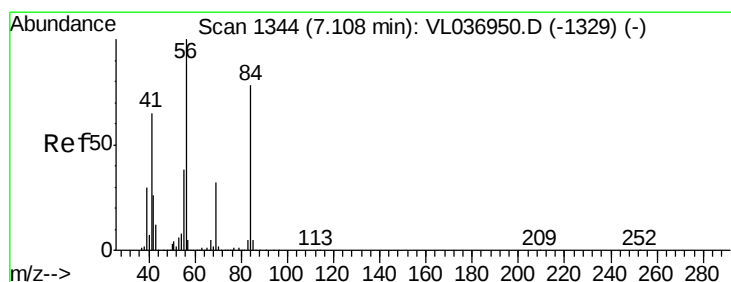
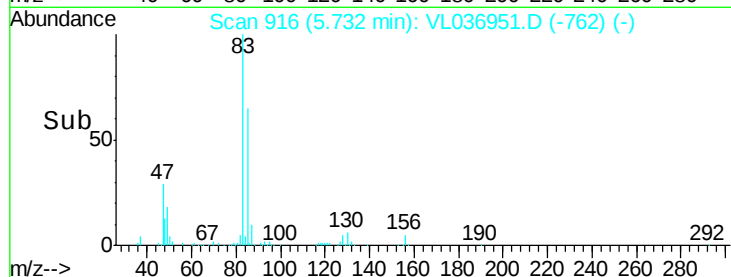
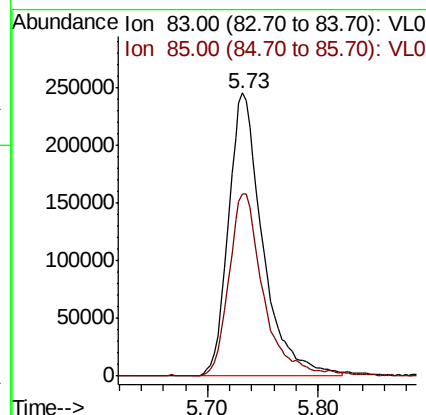
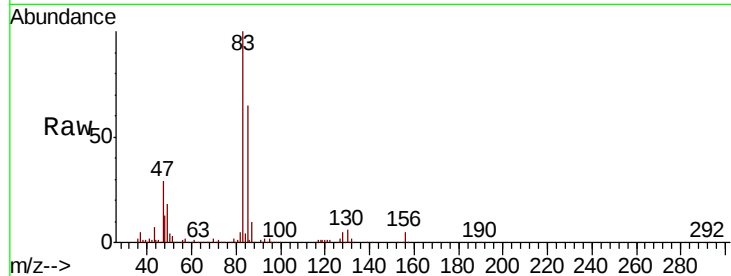
#29
Chloroform
Concen: 2.126 ppbv
RT: 5.73 min Scan# 916
Delta R.T. -0.00 min
Lab File: VL036951.D
Acq: 18 May 2021 2:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	83	Resp	527383
Ion Ratio	Lower	Upper	
83	100		
85	64.3	51.1	76.7

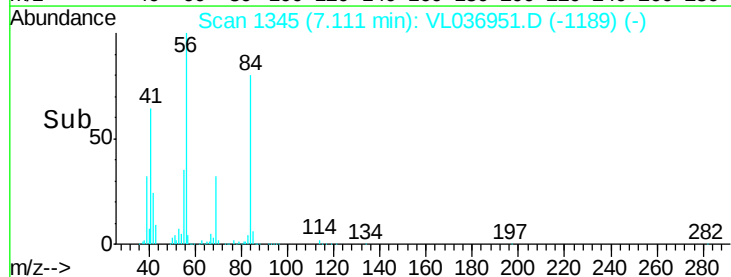
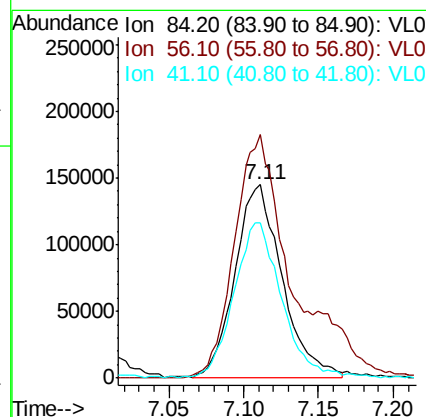
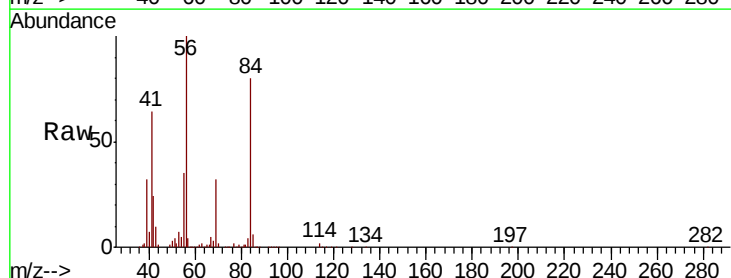
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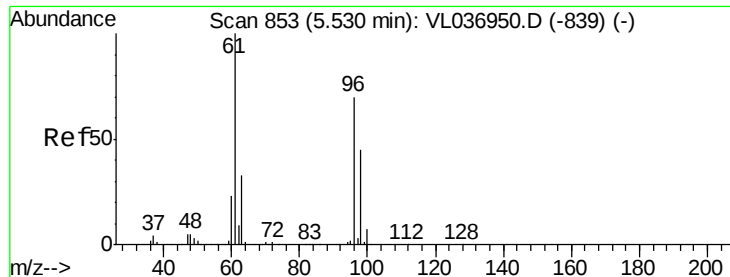
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#30
Cyclohexane
Concen: 2.523 ppbv
RT: 7.11 min Scan# 1345
Delta R.T. 0.00 min
Lab File: VL036951.D
Acq: 18 May 2021 2:39

Tgt Ion	84	Resp	319008
Ion Ratio	Lower	Upper	
84	100		
56	156.9	107.9	161.9
41	80.6	65.5	98.3





#31

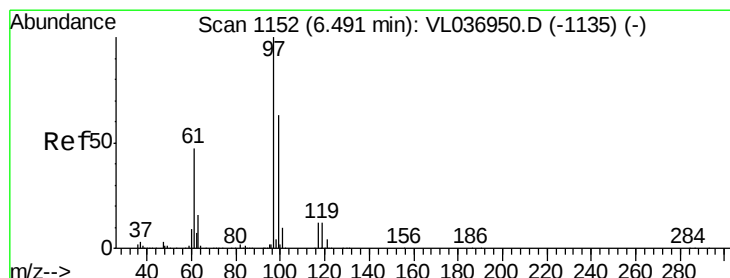
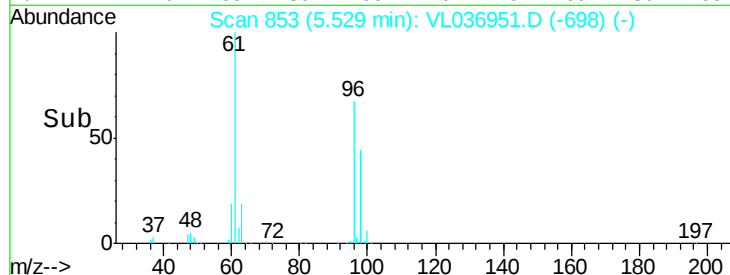
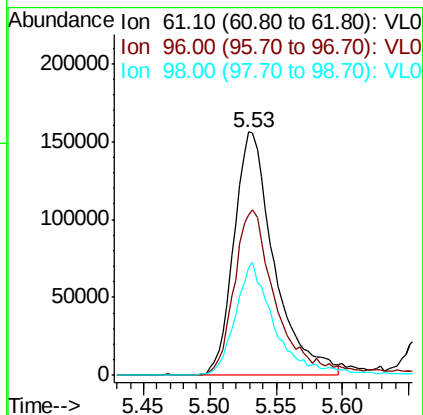
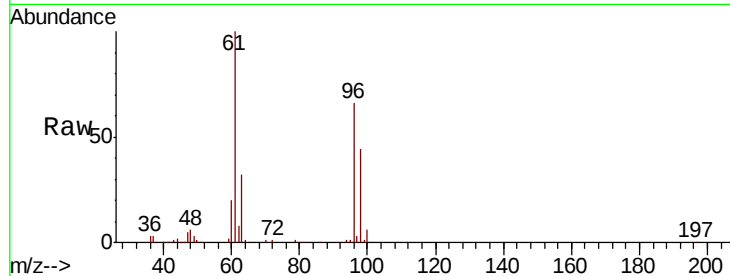
cis-1,2-Dichloroethene
Concen: 2.537 ppbv
RT: 5.53 min Scan# 853
Delta R.T. -0.00 min
Lab File: VL036951.D
Acq: 18 May 2021 2:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ion	Ratio	Resp	Lower	Upper
61	100				
96	65.7		55.9	83.9	
98	44.3		35.6	53.4	

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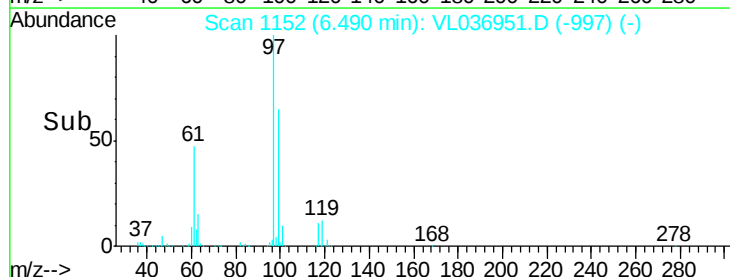
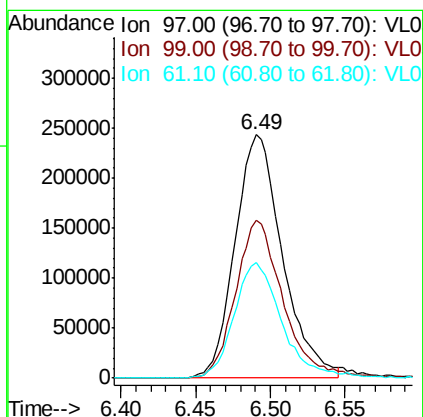
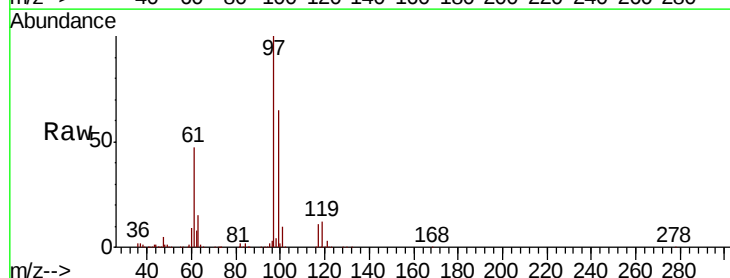
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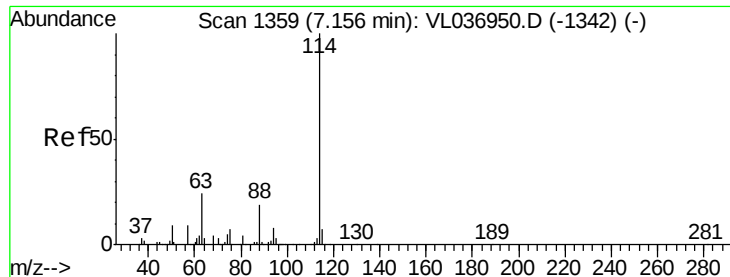


#32

1,1,1-Trichloroethane
Concen: 2.030 ppbv
RT: 6.49 min Scan# 1152
Delta R.T. -0.00 min
Lab File: VL036951.D
Acq: 18 May 2021 2:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100				
99	65.6		51.9	77.9	
61	48.3		37.6	56.4	





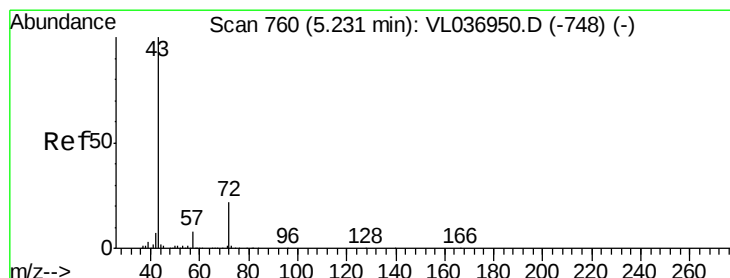
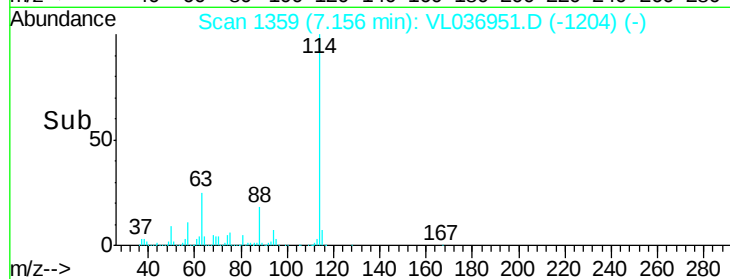
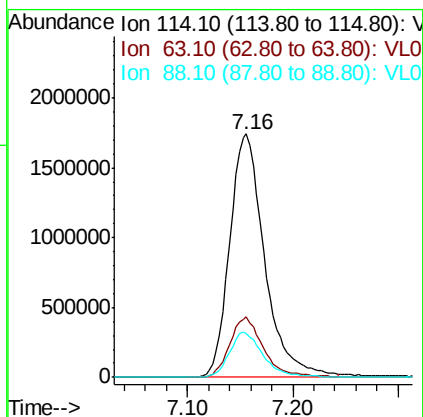
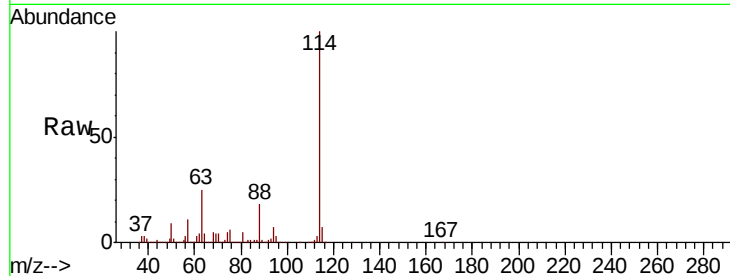
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VL036951.D
 Acq: 18 May 2021 2:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.4	19.6	29.4
88	17.9	14.6	21.8

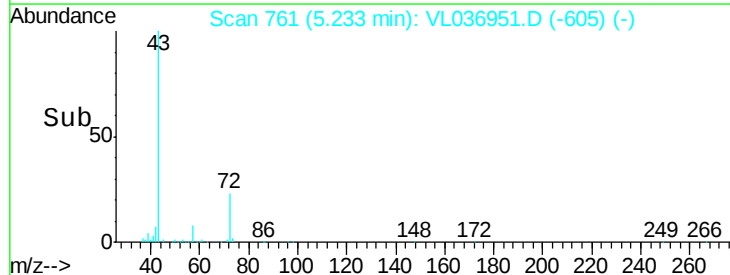
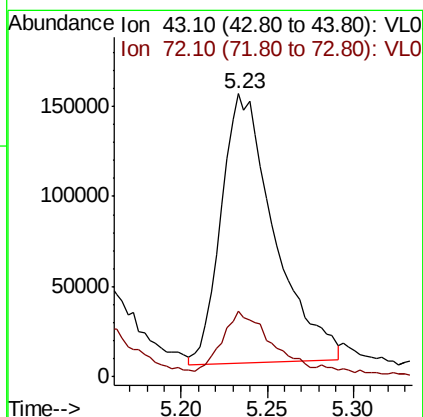
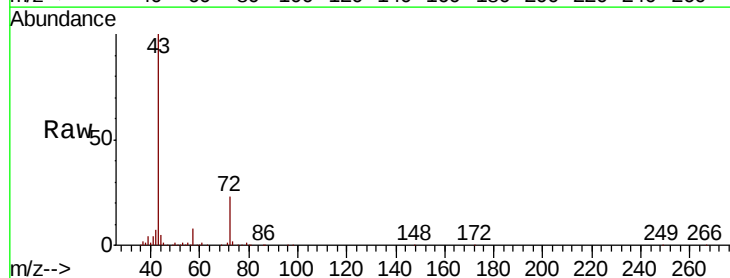
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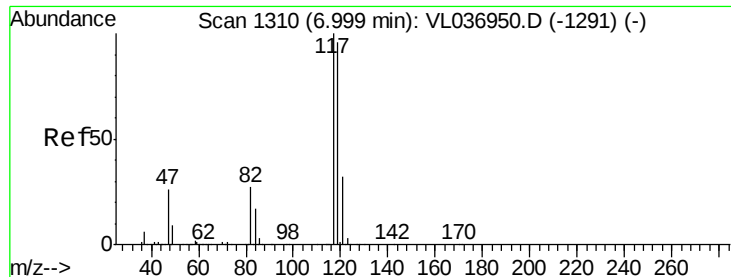
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#34
 2-Butanone
 Concen: 2.090 ppbv
 RT: 5.23 min Scan# 761
 Delta R.T. 0.00 min
 Lab File: VL036951.D
 Acq: 18 May 2021 2:39

Tgt Ion	Ratio	Lower	Upper
43	100		
72	27.5	19.0	28.4





#35

Carbon Tetrachloride

Concen: 1.742 ppbv

RT: 7.00 min Scan# 1309

Delta R.T. -0.00 min

Lab File: VL036951.D

Acq: 18 May 2021 2:39

Instrument :

MSVOA_L

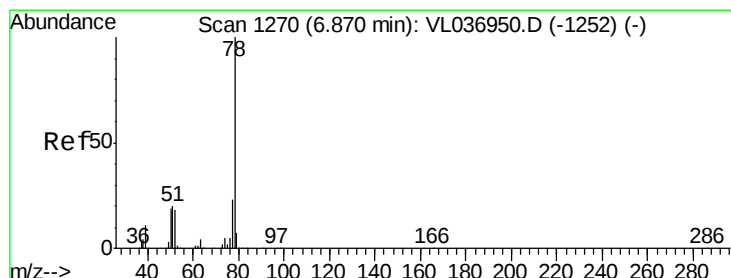
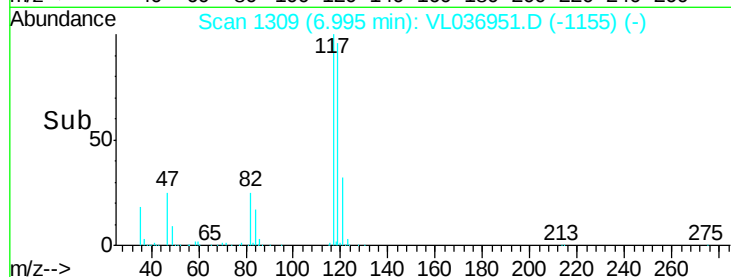
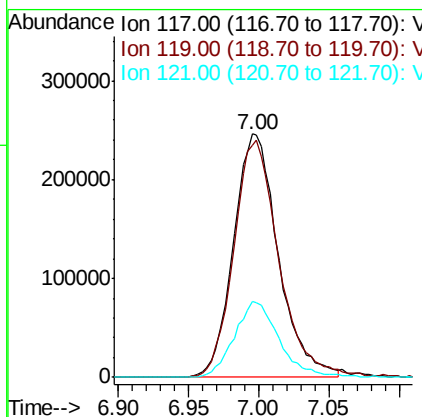
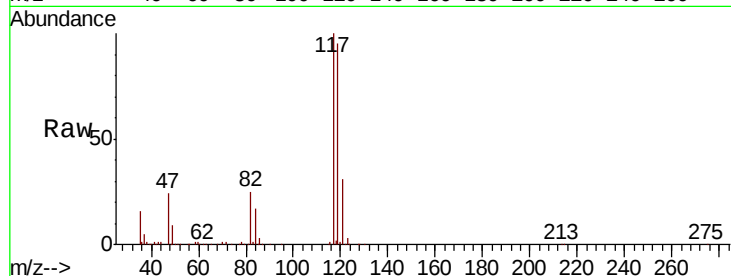
ClientSampleId :

VSTDIC002

Tot Ion:	117	Resp:	545149
Ion Ratio	Lower	Upper	
117	100		
119	95.4	76.6	114.8
121	31.0	25.8	38.6

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#36

Benzene

Concen: 2.320 ppbv

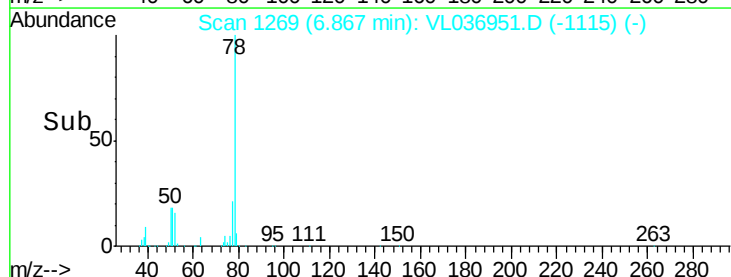
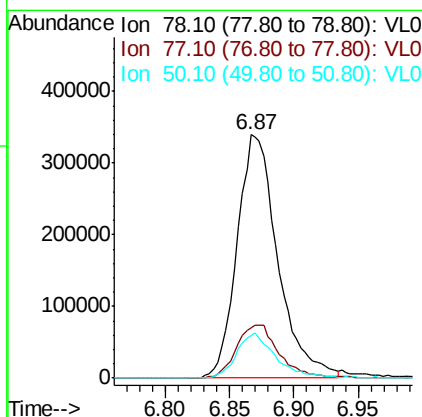
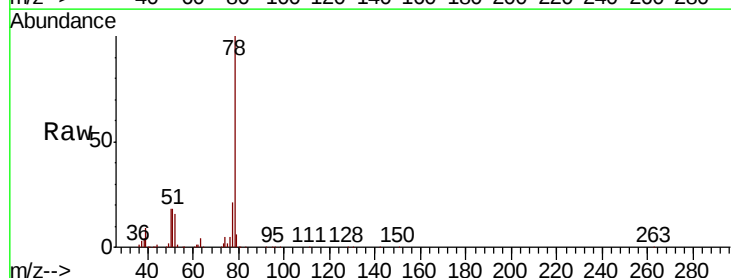
RT: 6.87 min Scan# 1269

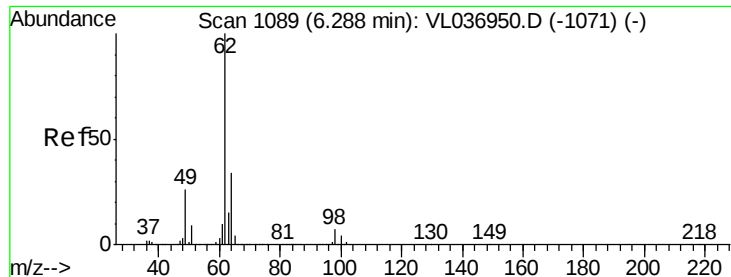
Delta R.T. -0.00 min

Lab File: VL036951.D

Acq: 18 May 2021 2:39

Tgt Ion:	78	Resp:	746488
Ion Ratio	Lower	Upper	
78	100		
77	20.6	18.6	28.0
50	17.6	15.0	22.4





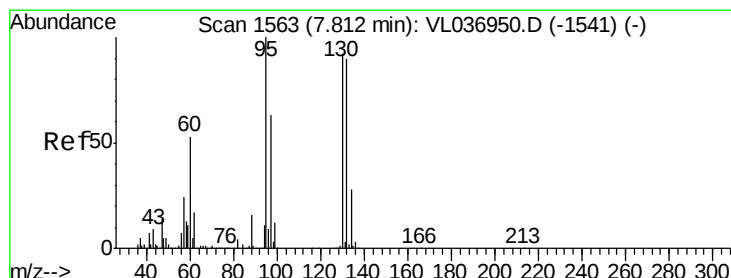
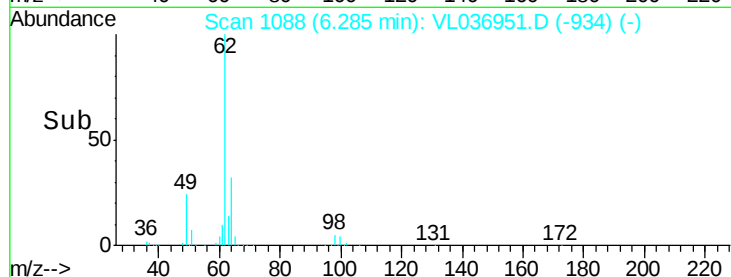
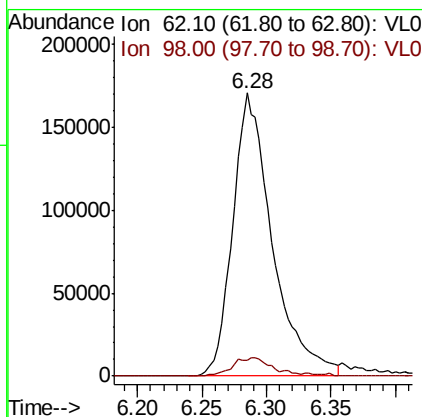
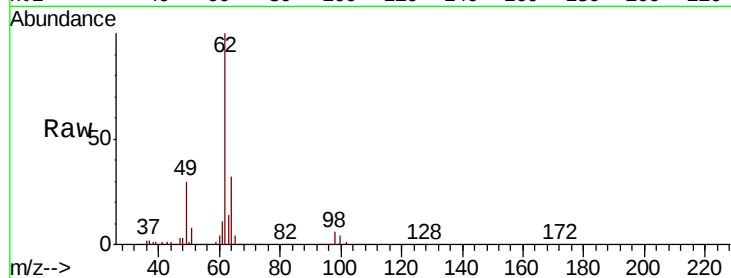
#37
 1,2-Dichloroethane
 Concen: 1.910 ppbv
 RT: 6.28 min Scan# 1088
 Delta R.T. -0.00 min
 Lab File: VL036951.D
 Acq: 18 May 2021 2:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Resp	Lower	Upper
62	100	364532		
98	7.2	5.5	8.3	

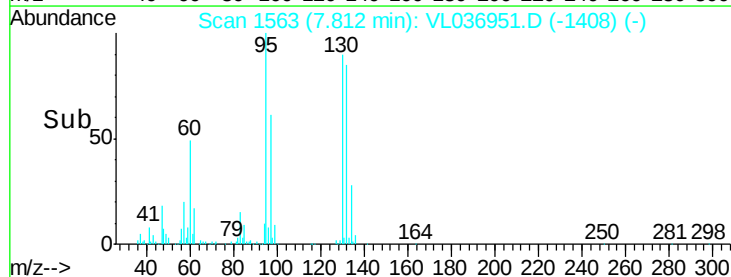
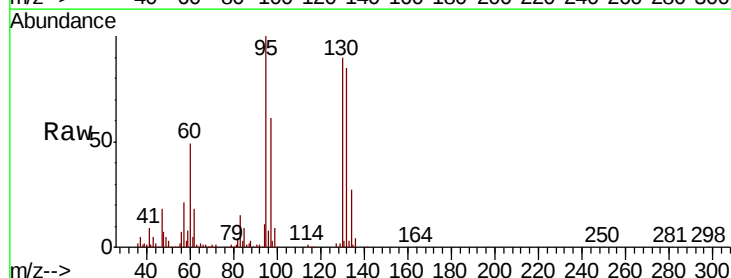
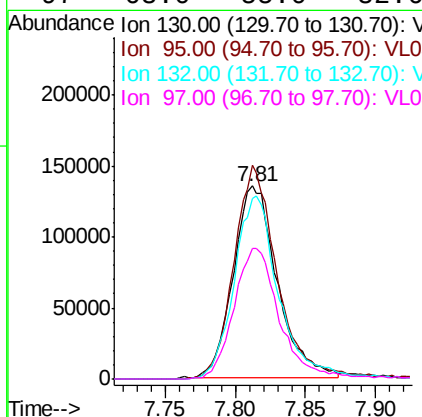
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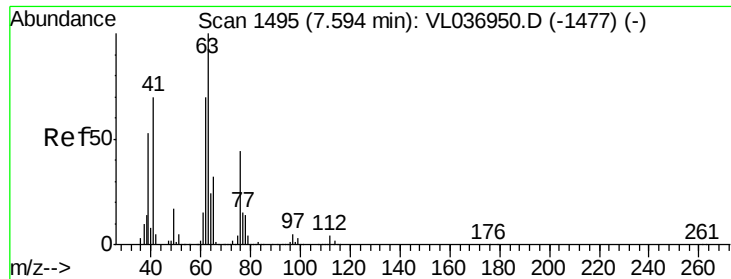
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#38
 Trichloroethene
 Concen: 2.242 ppbv
 RT: 7.81 min Scan# 1563
 Delta R.T. -0.00 min
 Lab File: VL036951.D
 Acq: 18 May 2021 2:39

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	295810		
95	110.9	86.9	130.3	
132	94.3	78.4	117.6	
97	68.0	55.0	82.6	





#39

1,2-Dichloropropane

Concen: 2.157 ppbv

RT: 7.59 min Scan# 1494

Delta R.T. -0.00 min

Lab File: VL036951.D

Acq: 18 May 2021 2:39

Instrument :

MSVOA_L

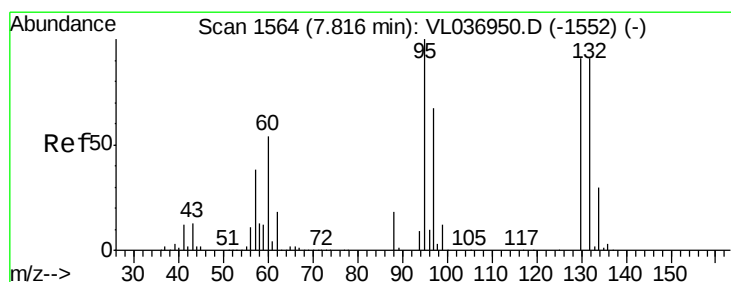
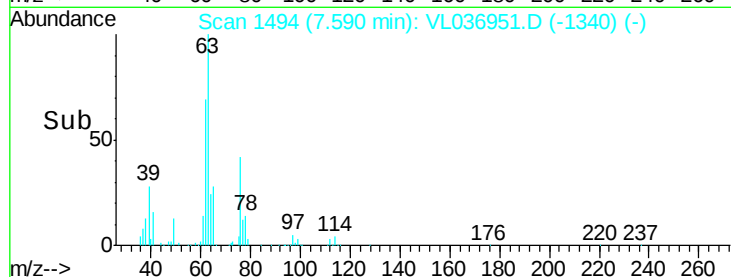
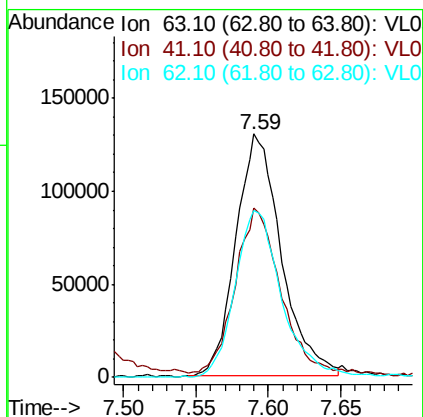
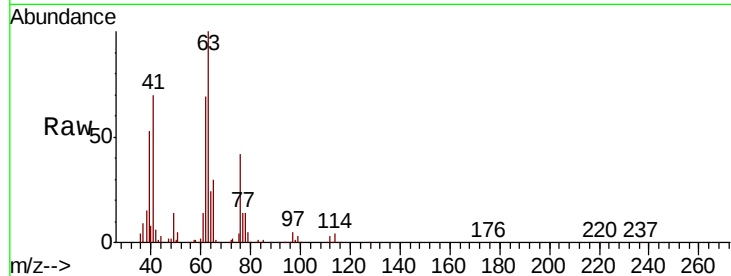
ClientSampleId :

VSTDIC002

Tot Ion:	63	Resp:	284233
Ion Ratio	Lower	Upper	
63	100		
41	68.3	55.7	83.5
62	68.8	56.2	84.4

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#40

1,4-Dioxane

Concen: 1.833 ppbv m

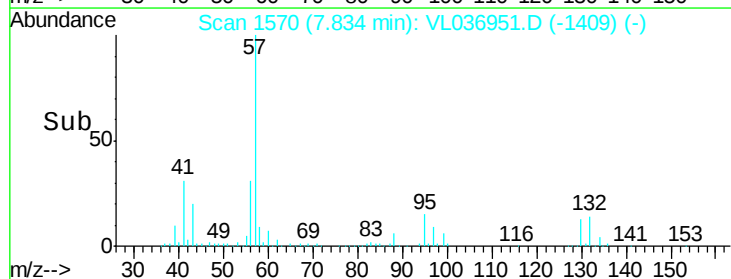
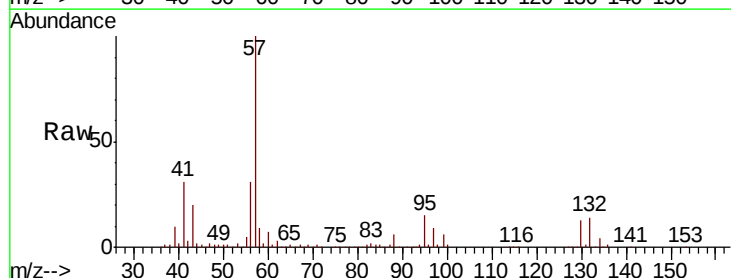
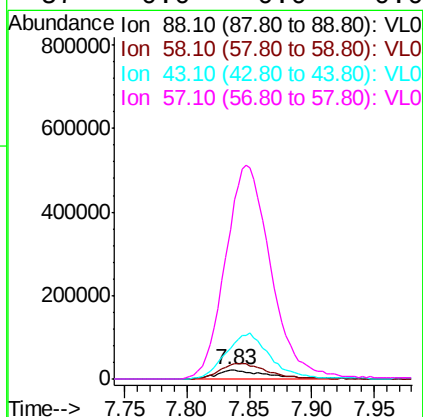
RT: 7.83 min Scan# 1570

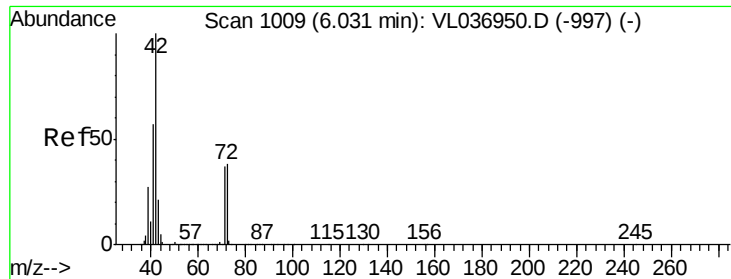
Delta R.T. 0.02 min

Lab File: VL036951.D

Acq: 18 May 2021 2:39

Tgt Ion:	88	Resp:	62994
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





#41

Tetrahydrofuran

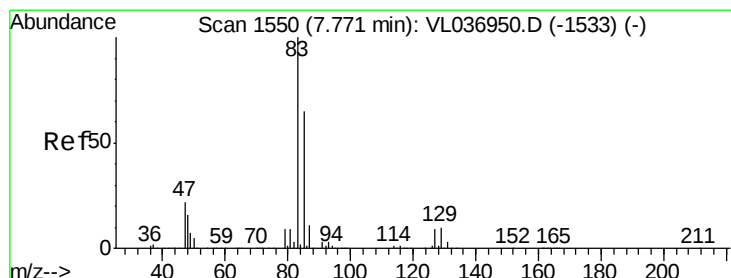
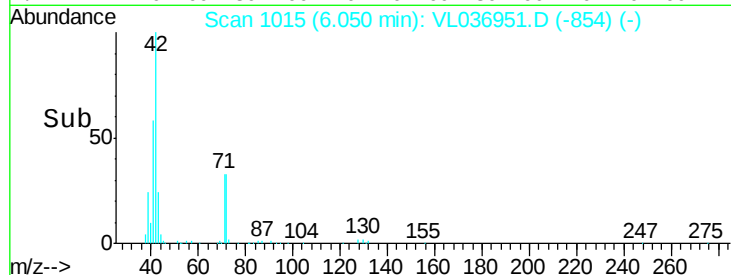
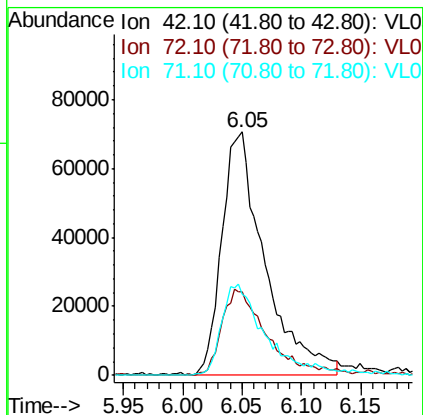
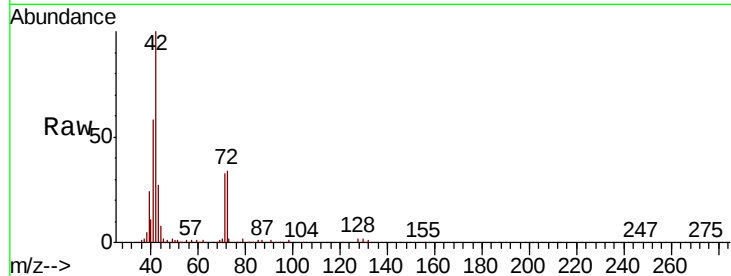
Concen: 2.839 ppbv m
RT: 6.05 min Scan# 1015
Delta R.T. 0.02 min
Lab File: VL036951.D
Acq: 18 May 2021 2:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.8	31.4	47.2
71	39.3	30.4	45.6

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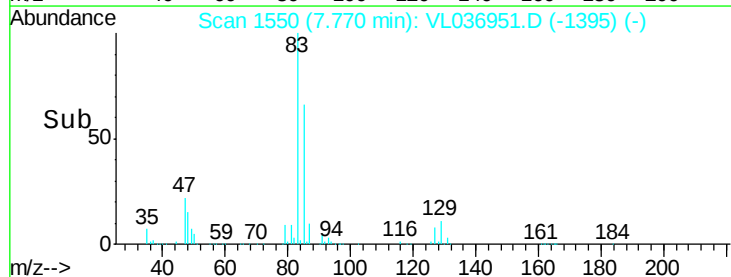
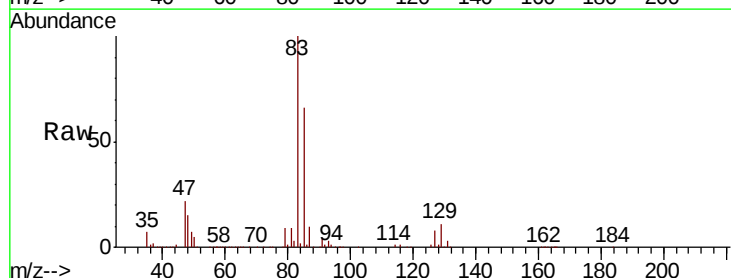
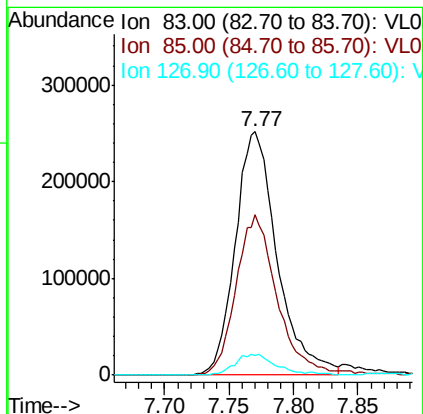


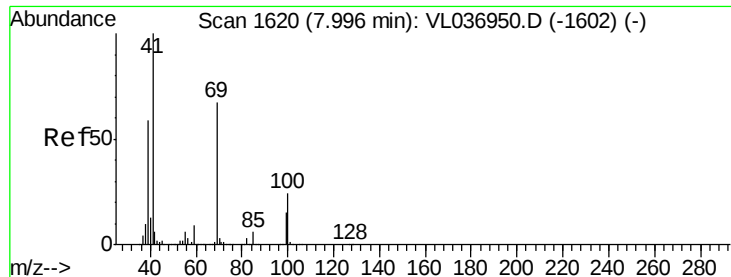
#42

Bromodichloromethane

Concen: 2.021 ppbv
RT: 7.77 min Scan# 1550
Delta R.T. -0.00 min
Lab File: VL036951.D
Acq: 18 May 2021 2:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.7	77.5
127	8.3	6.9	10.3





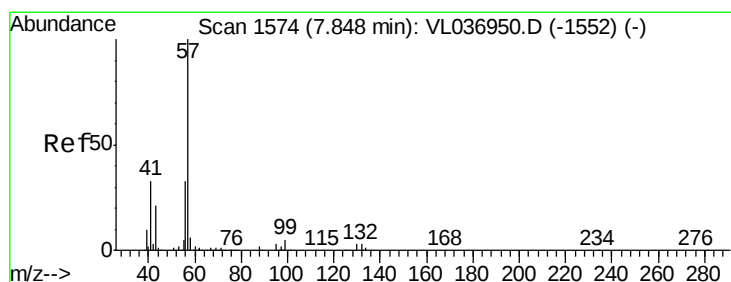
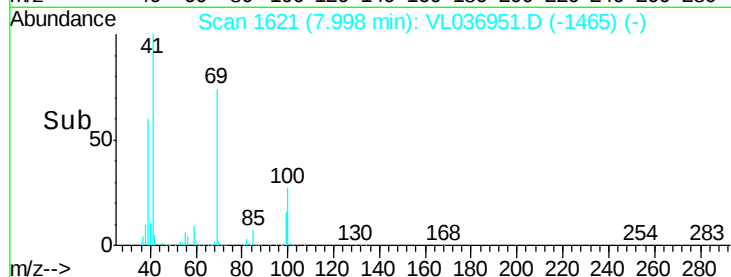
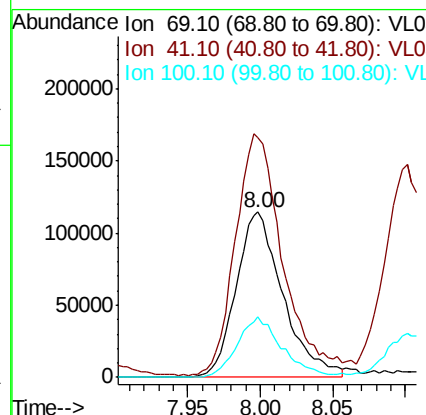
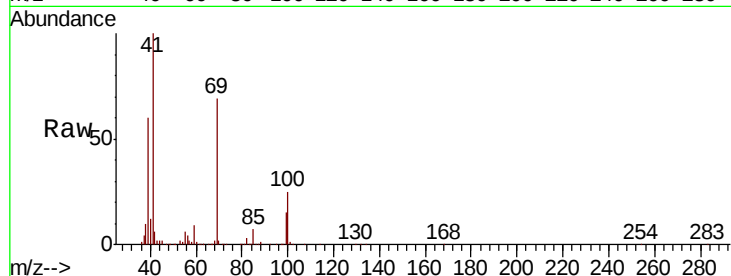
#43
Methvl Methacrylate
Concen: 2.744 ppbv
RT: 8.00 min Scan# 1621
Delta R.T. 0.00 min
Lab File: VL036951.D
Acq: 18 May 2021 2:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	150.5	118.6	178.0	
100	35.2	28.2	42.4	

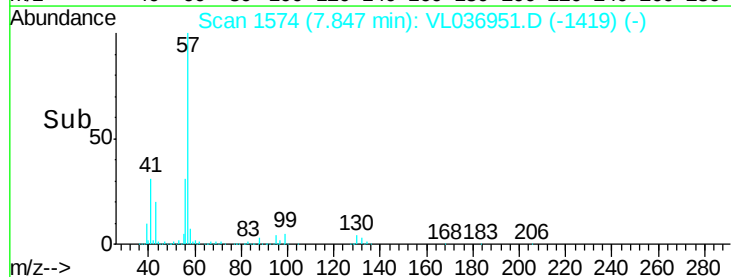
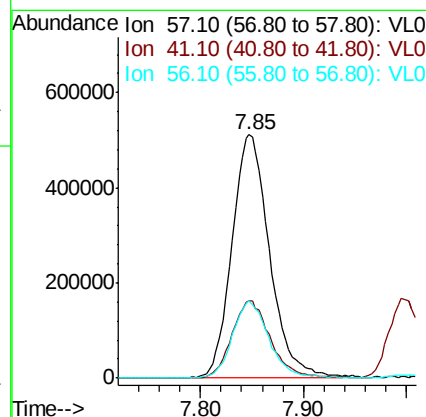
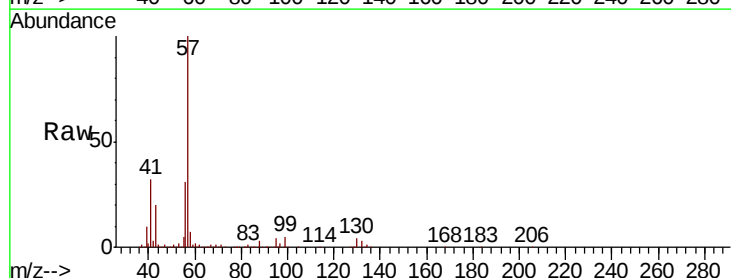
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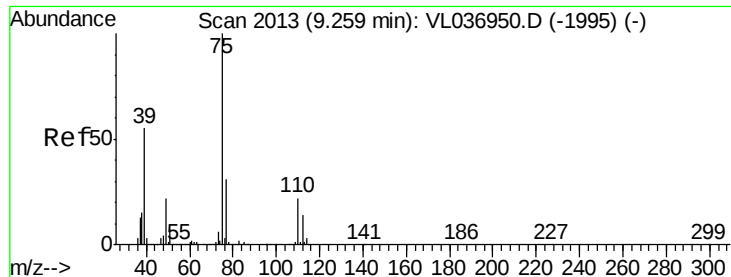
MMDadoda
5/20/2021 5:54:14 PM



#44
2,2,4-Trimethylpentane
Concen: 2.265 ppbv
RT: 7.85 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VL036951.D
Acq: 18 May 2021 2:39

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	32.5	27.0	40.4	
56	31.1	25.4	38.2	





#45

t-1,3-Dichloropropene

Concen: 2.246 ppbv

RT: 9.26 min Scan# 2012

Delta R.T. -0.00 min

Lab File: VL036951.D

Acq: 18 May 2021 2:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 75 Resp: 189865

Ion Ratio Lower Upper

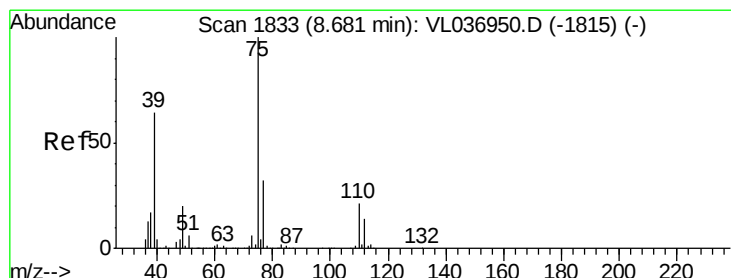
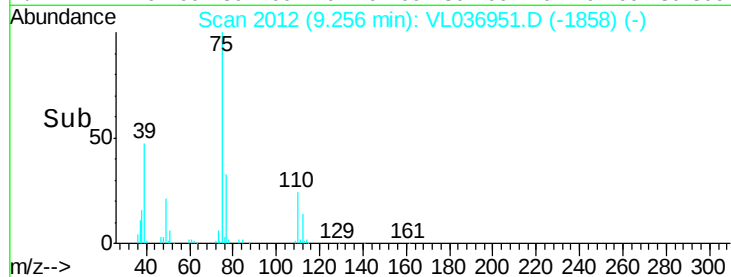
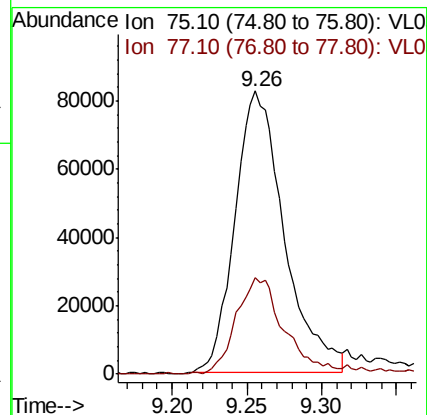
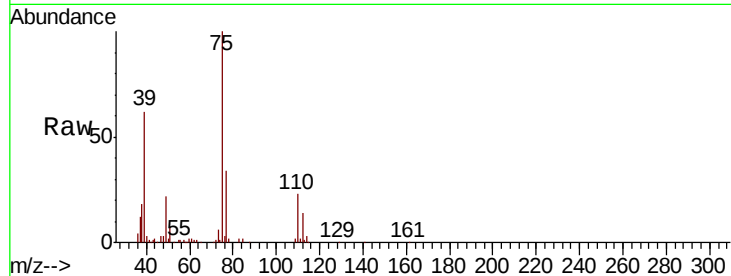
75 100

77 33.9 24.4 36.6

Manual Integrations
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#46

cis-1,3-Dichloropropene

Concen: 2.243 ppbv

RT: 8.68 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VL036951.D

Acq: 18 May 2021 2:39

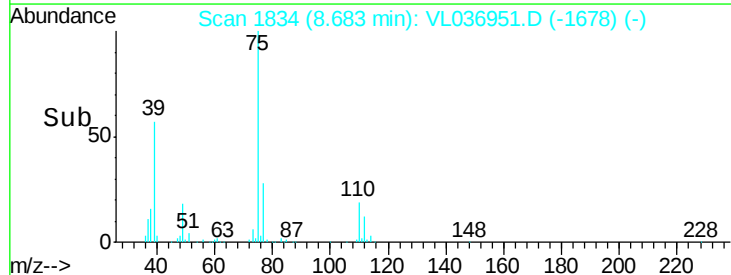
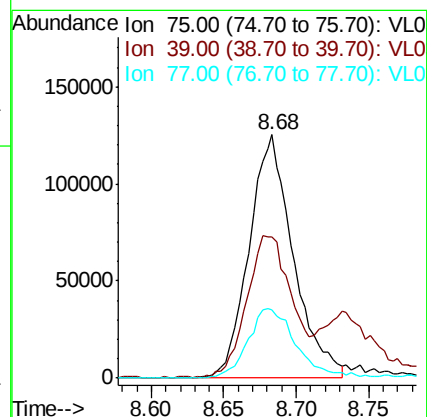
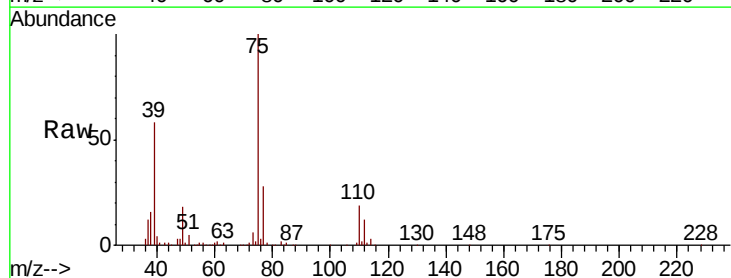
Tgt Ion: 75 Resp: 265510

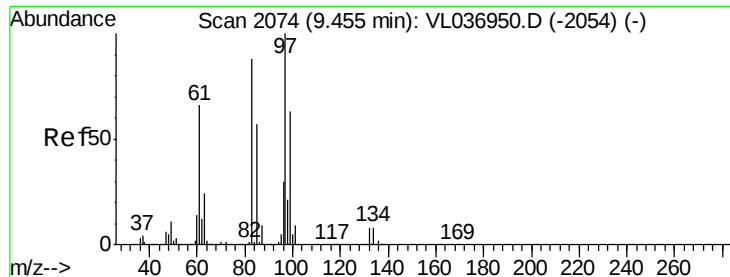
Ion Ratio Lower Upper

75 100

39 57.8 51.5 77.3

77 27.9 25.9 38.9





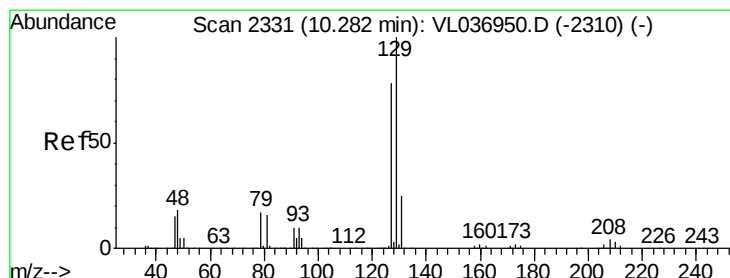
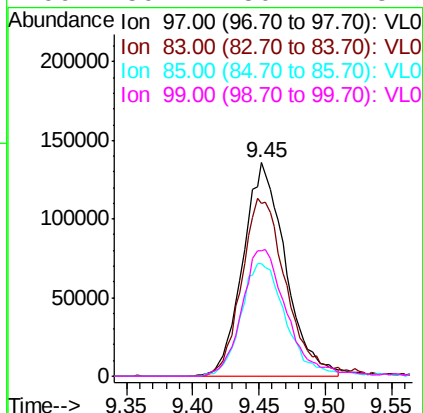
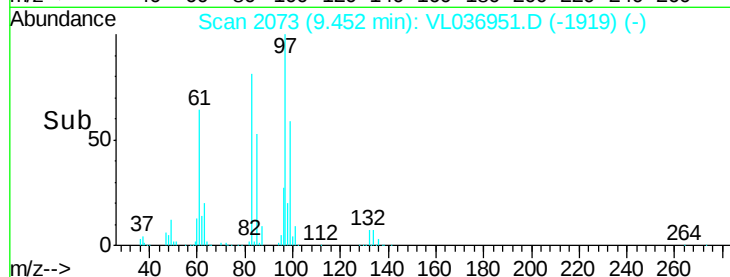
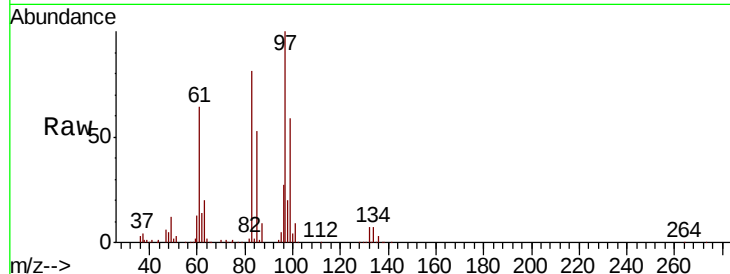
#47
 1,1,2-Trichloroethane
 Concen: 2.081 ppbv
 RT: 9.45 min Scan# 2073
 Delta R.T. -0.00 min
 Lab File: VL036951.D
 Acq: 18 May 2021 2:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		300838		
83	80.7	70.4	105.6		
85	52.9	45.5	68.3		
99	59.1	50.2	75.2		

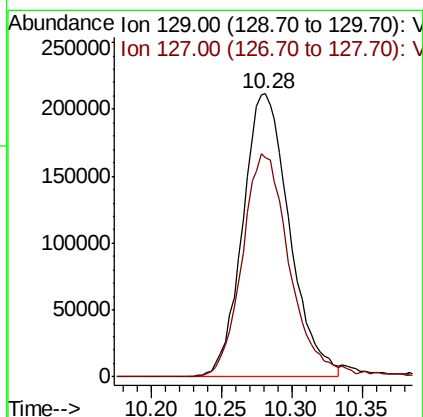
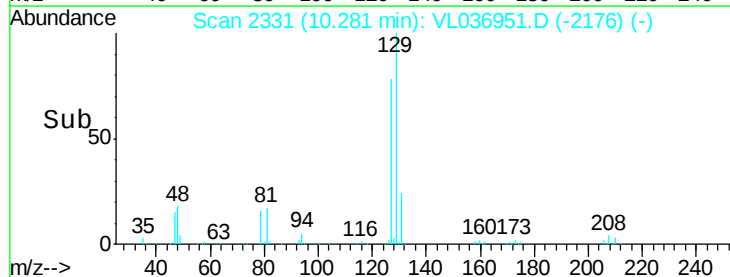
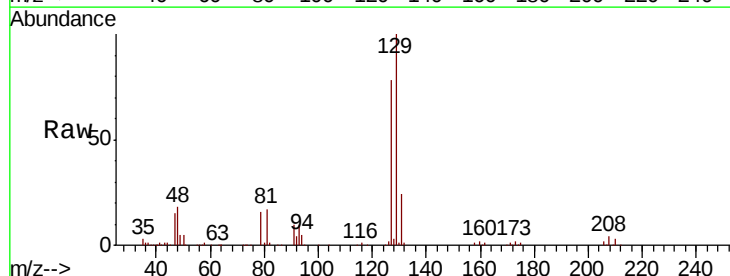
Manual Integrations
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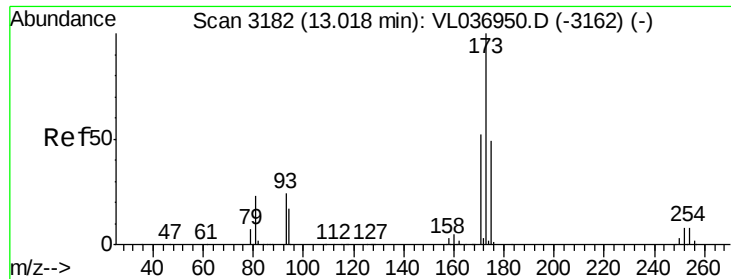
MMDadoda
 5/20/2021 5:54:14 PM



#48
 Dibromochloromethane
 Concen: 2.259 ppbv
 RT: 10.28 min Scan# 2331
 Delta R.T. -0.00 min
 Lab File: VL036951.D
 Acq: 18 May 2021 2:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
129	100		491188		
127	81.1	39.3	117.8		





#49

Bromoform

Concen: 2.360 ppbv

RT: 13.01 min Scan# 3181

Delta R.T. -0.00 min

Lab File: VL036951.D

Acq: 18 May 2021 2:39

Instrument :

MSVOA_L

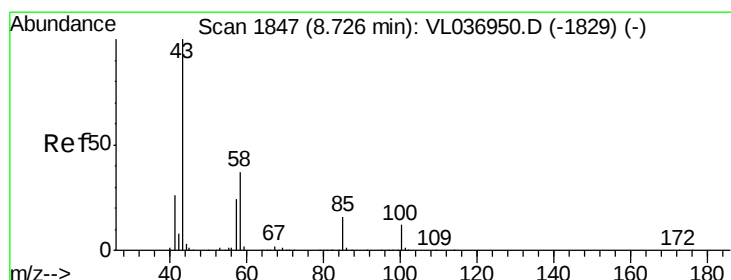
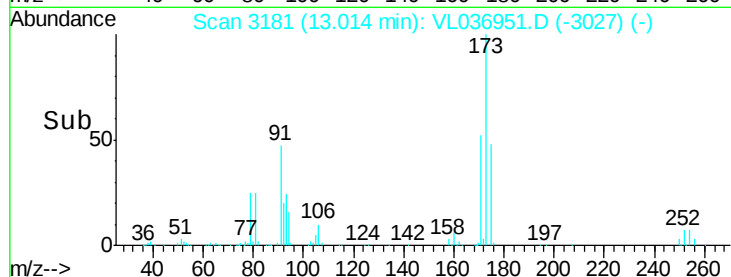
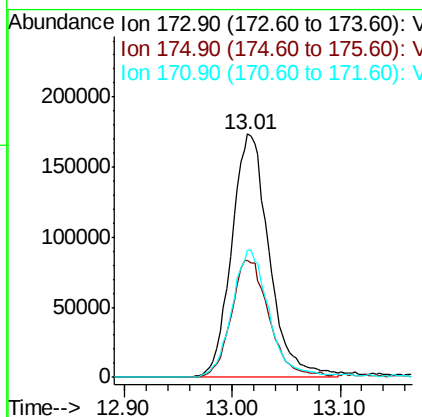
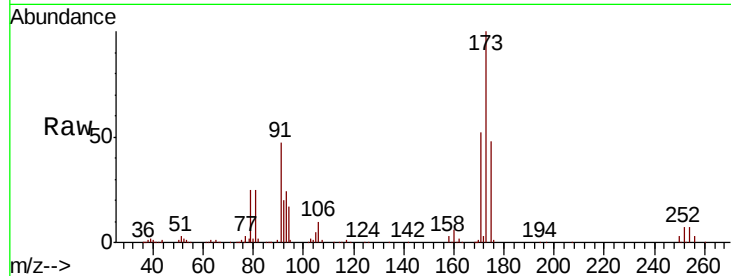
ClientSampleId :

VSTDIC002

Tot Ion:	173	Resp:	422351
Ion Ratio	Lower	Upper	
173	100		
175	49.5	40.4	60.6
171	52.8	42.6	64.0

Manual Integrations
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#50

4-Methyl-2-Pentanone

Concen: 2.516 ppbv

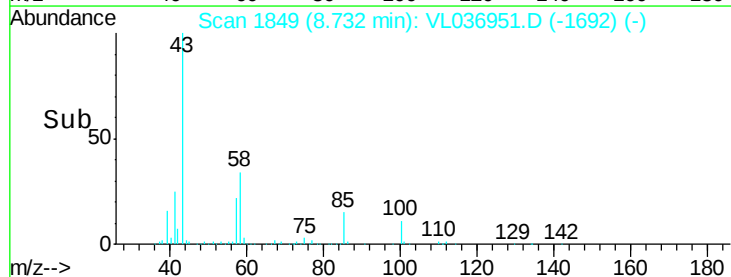
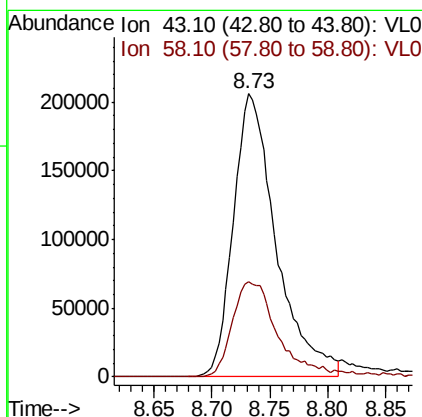
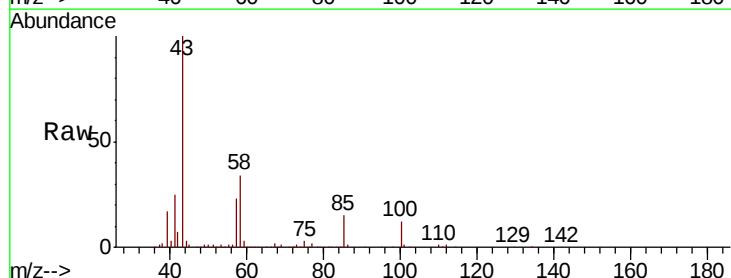
RT: 8.73 min Scan# 1849

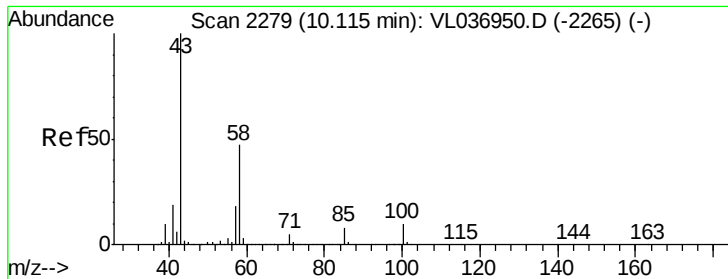
Delta R.T. 0.01 min

Lab File: VL036951.D

Acq: 18 May 2021 2:39

Tgt Ion:	43	Resp:	527434
Ion Ratio	Lower	Upper	
43	100		
58	37.8	29.4	44.2





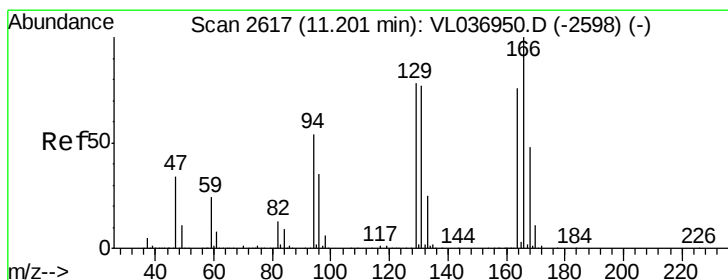
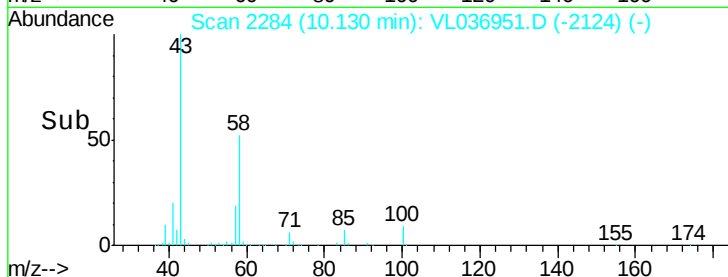
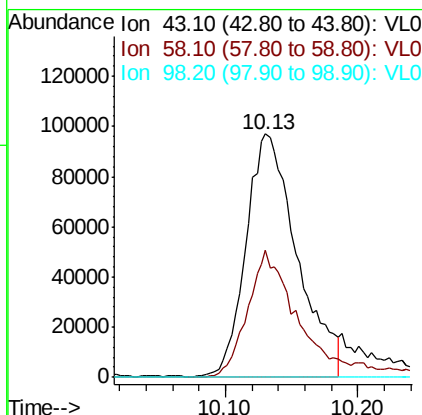
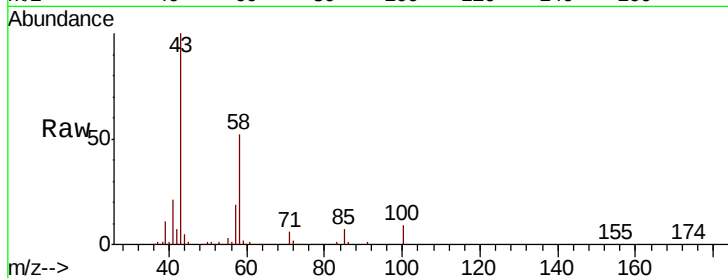
#51
2-Hexanone
Concen: 2.906 ppbv
RT: 10.13 min Scan# 2284
Delta R.T. 0.02 min
Lab File: VL036951.D
Acq: 18 May 2021 2:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
43	100		
58	57.3	41.1	61.7
98	0.1	0.1	0.1

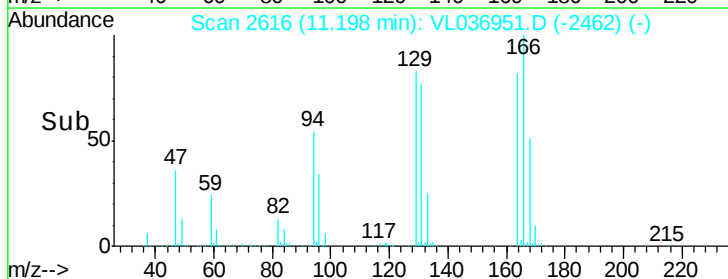
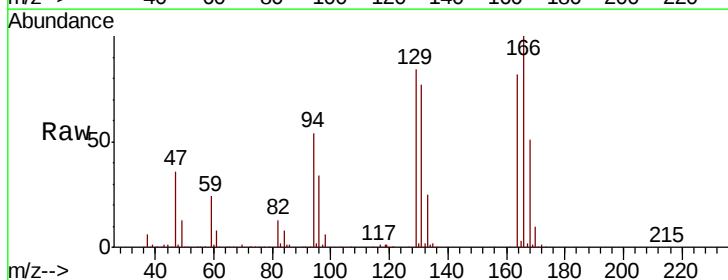
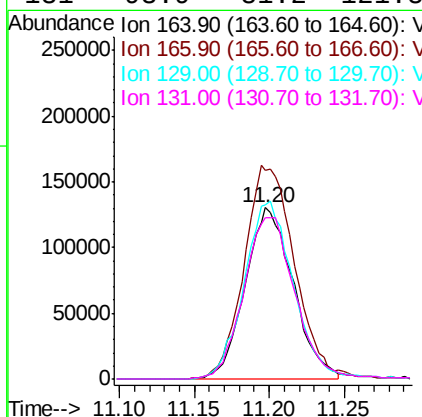
Manual Integrations
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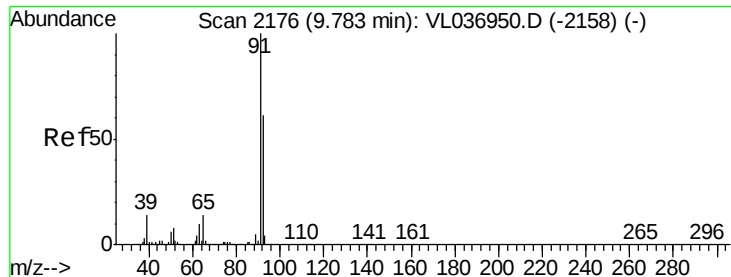
MMDadoda
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#52
Tetrachloroethene
Concen: 2.457 ppbv
RT: 11.20 min Scan# 2616
Delta R.T. -0.00 min
Lab File: VL036951.D
Acq: 18 May 2021 2:39

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.6	105.5	158.3
129	101.5	81.8	122.8
131	93.9	81.2	121.8





#53

Toluene

Concen: 2.774 ppbv

RT: 9.78 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VL036951.D

Acq: 18 May 2021 2:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 91 Resp: 890278

Ion Ratio Lower Upper

91 100

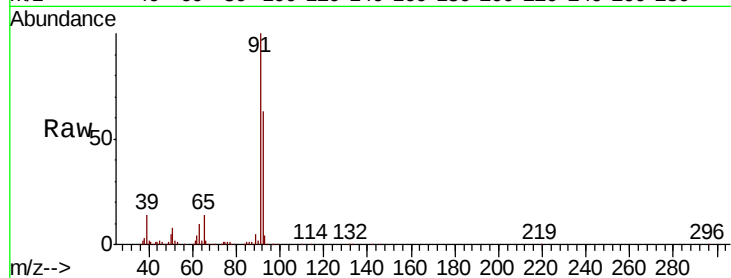
92 60.7 49.5 74.3

Manual Integrations

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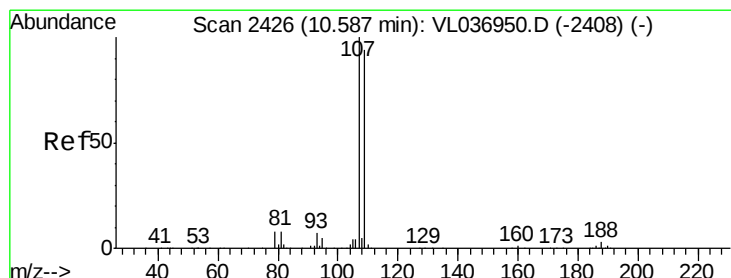
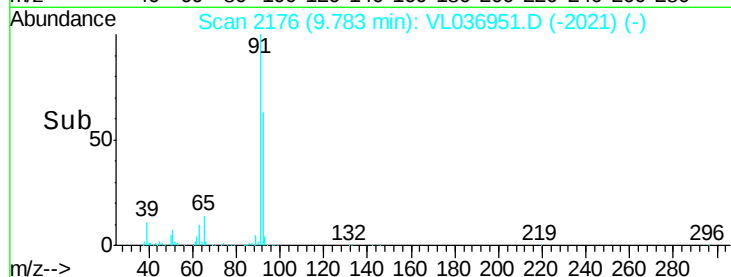
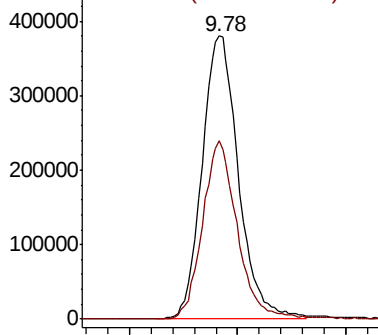
MMDadoda

5/20/2021 5:54:14 PM



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 2.266 ppbv

RT: 10.58 min Scan# 2425

Delta R.T. -0.00 min

Lab File: VL036951.D

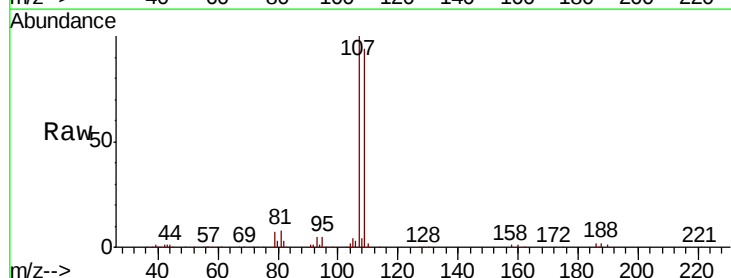
Acq: 18 May 2021 2:39

Tgt Ion: 107 Resp: 427701

Ion Ratio Lower Upper

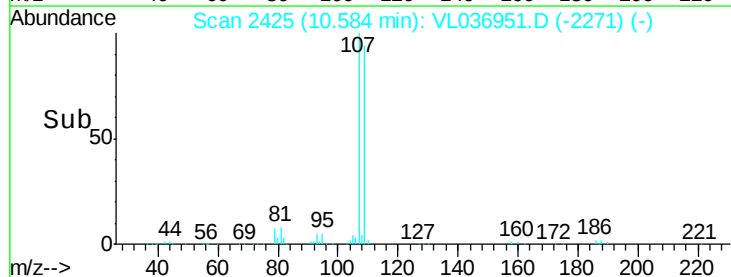
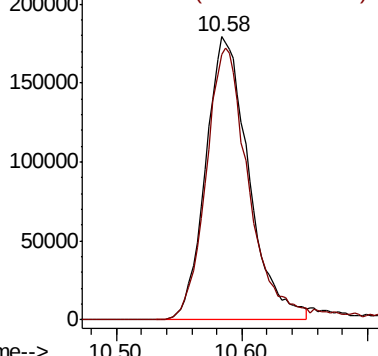
107 100

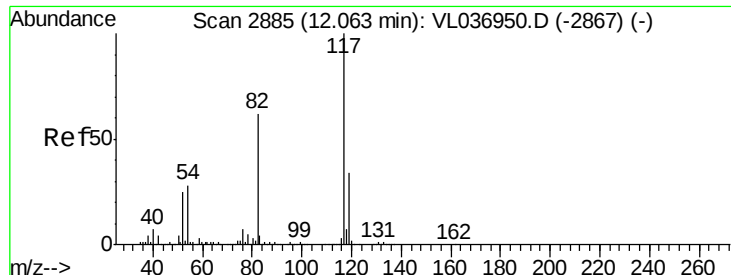
109 93.8 75.0 112.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





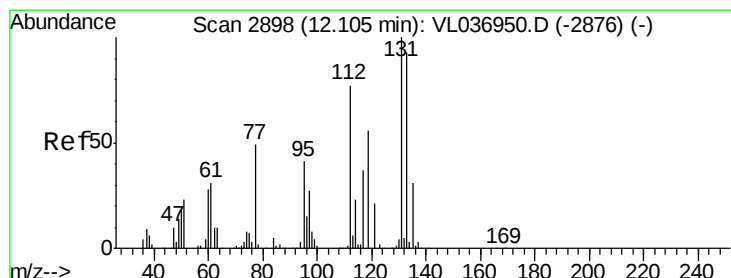
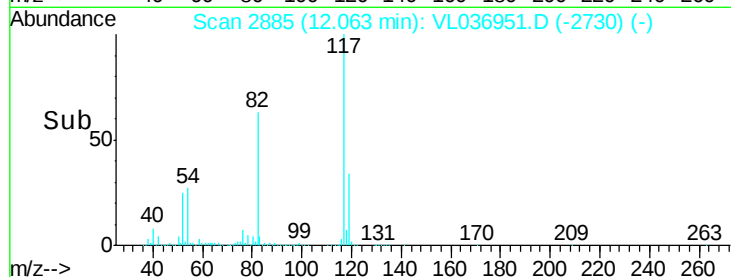
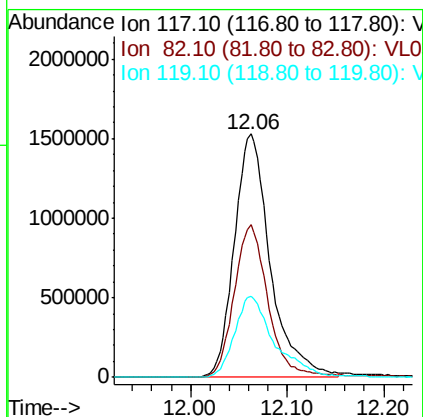
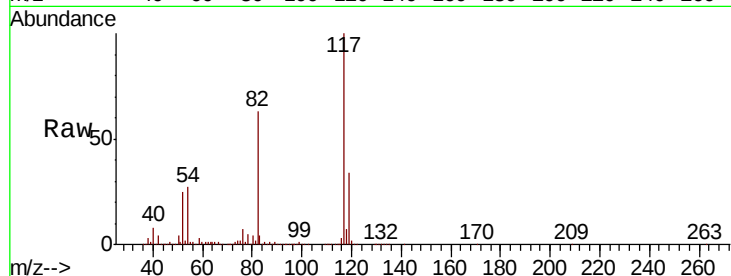
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2885
Delta R.T. -0.00 min
Lab File: VL036951.D
Acq: 18 May 2021 2:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.2	52.6	79.0
119	37.7	46.6	70.0#

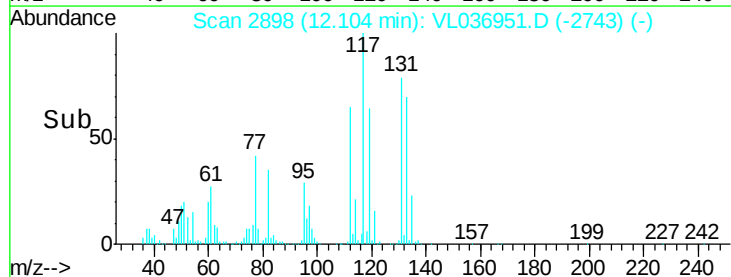
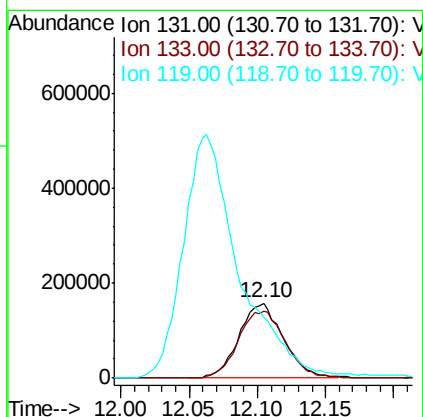
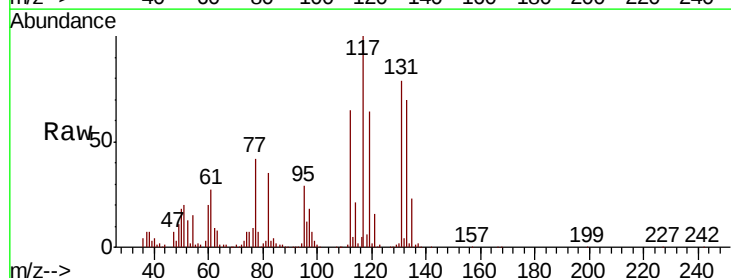
Manual Integrations
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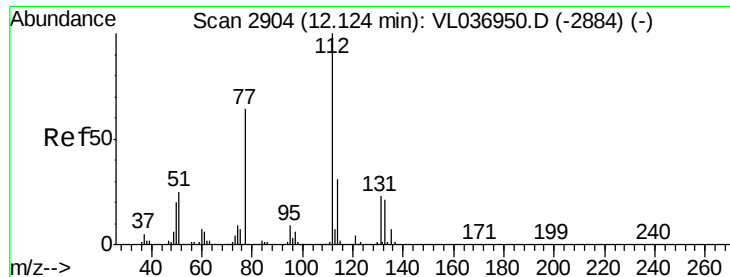
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 1.962 ppbv
RT: 12.10 min Scan# 2898
Delta R.T. -0.00 min
Lab File: VL036951.D
Acq: 18 May 2021 2:39

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.7	76.9	115.3
119	417.9	120.2	180.4#





#57

Chlorobenzene

Concen: 1.978 ppbv

RT: 12.12 min Scan# 2903

Delta R.T. -0.00 min

Lab File: VL036951.D

Acq: 18 May 2021 2:39

Instrument :

MSVOA_L

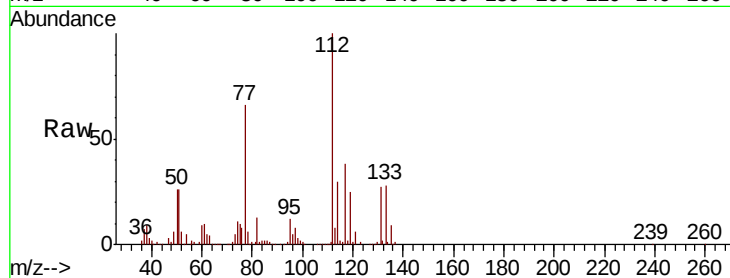
ClientSampleId :

VSTDIC002

Tot Ion:	112	Resp:	661068
Ion Ratio	Lower	Upper	
112	100		
77	64.2	51.0	76.6
114	30.0	28.3	34.5

Manual Integrations
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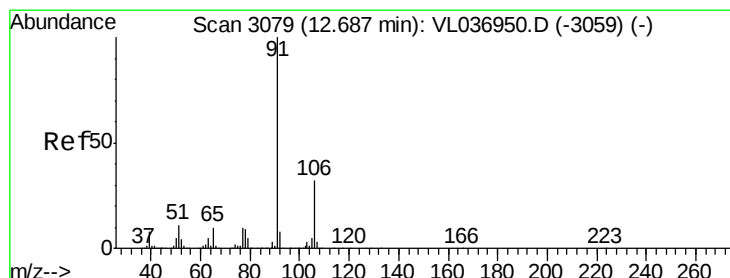
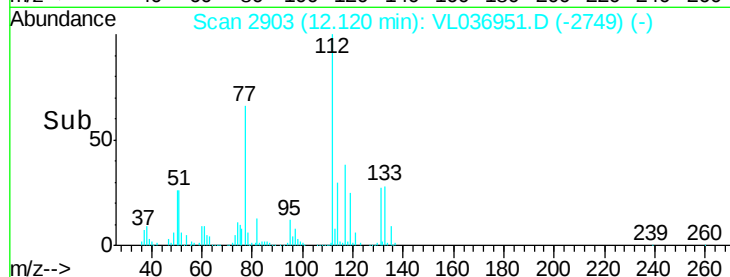
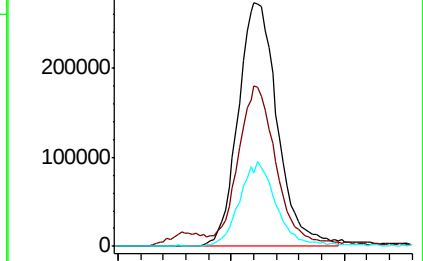
MMDadoda
5/20/2021 5:54:14 PM



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: 2.533 ppbv

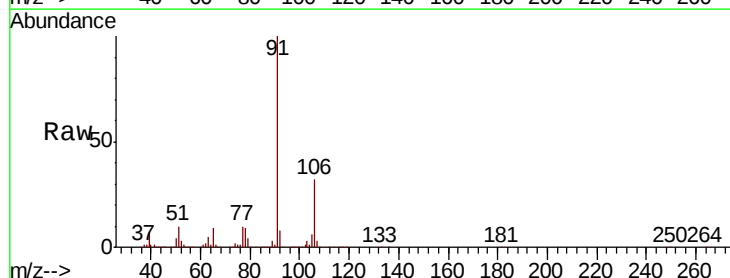
RT: 12.69 min Scan# 3079

Delta R.T. -0.00 min

Lab File: VL036951.D

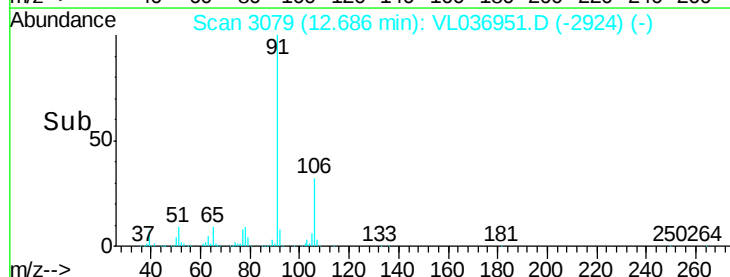
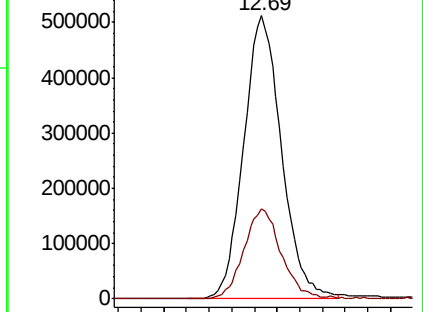
Acq: 18 May 2021 2:39

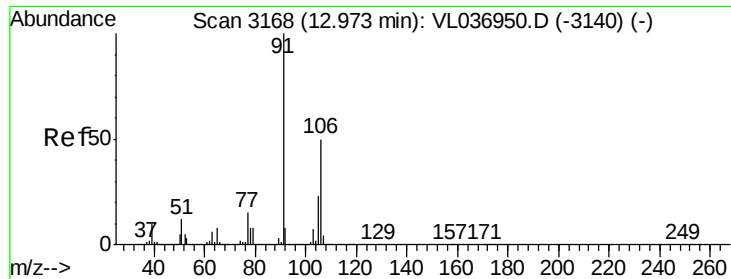
Tgt Ion:	91	Resp:	1192133
Ion Ratio	Lower	Upper	
91	100		
106	31.8	25.6	38.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





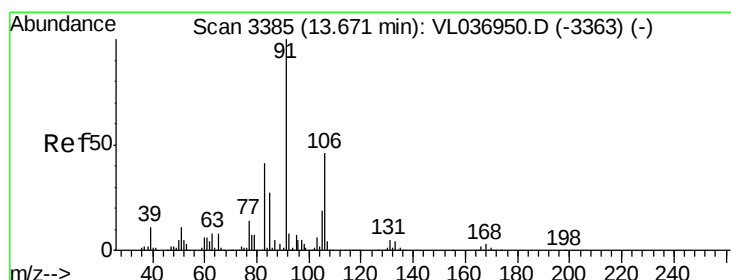
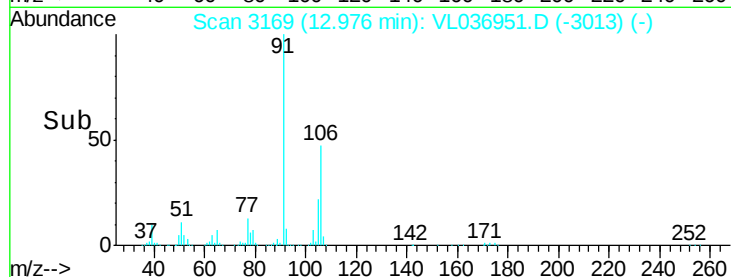
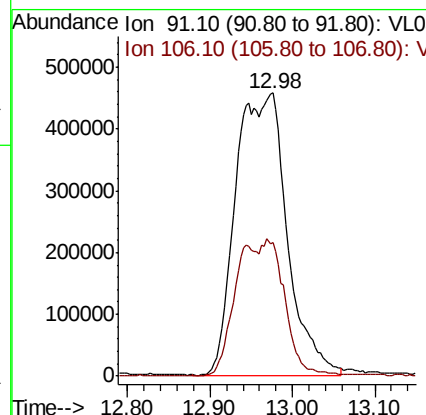
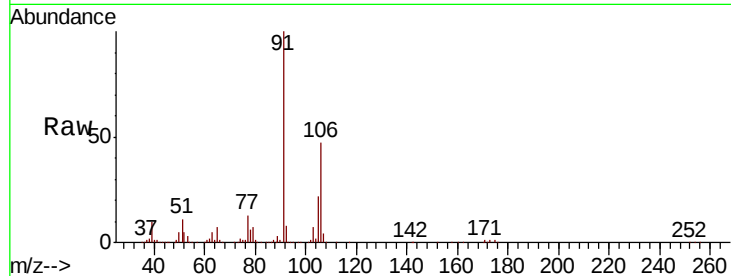
#59
m/p-Xylene
Concen: 4.497 ppbv m
RT: 12.98 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VL036951.D
Acq: 18 May 2021 2:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion: 91 Resp: 1988856
Ion Ratio Lower Upper
91 100
106 45.9 37.4 56.2

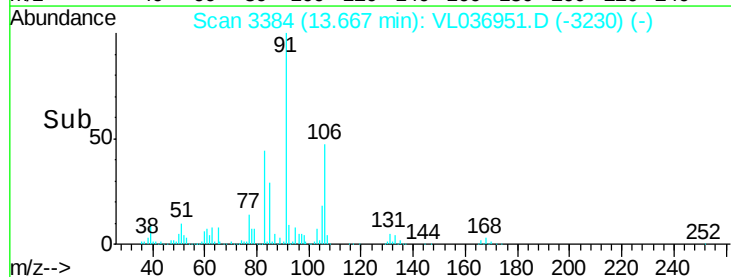
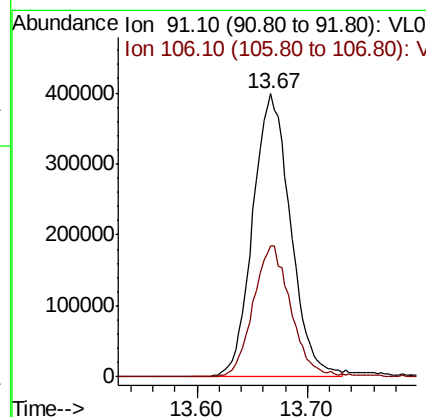
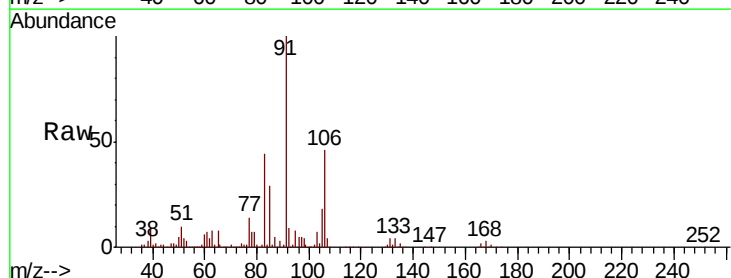
Manual Integrations
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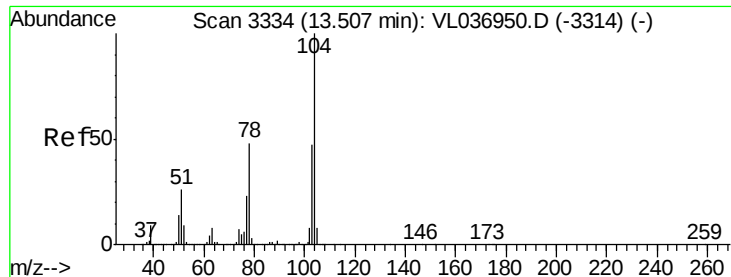
MMDadoda
5/20/2021 5:54:14 PM



#60
o-Xylene
Concen: 2.201 ppbv
RT: 13.67 min Scan# 3384
Delta R.T. -0.00 min
Lab File: VL036951.D
Acq: 18 May 2021 2:39

Tgt Ion: 91 Resp: 941802
Ion Ratio Lower Upper
91 100
106 46.8 23.4 70.3





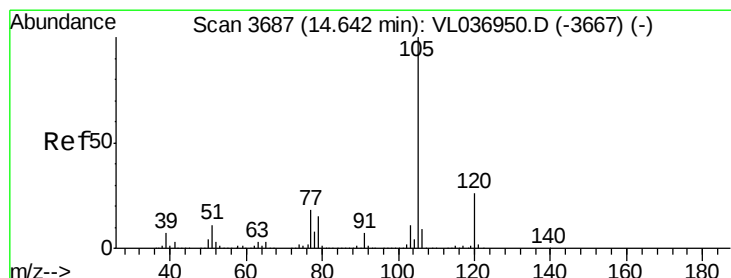
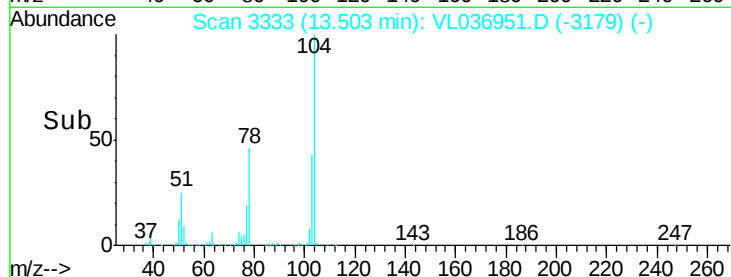
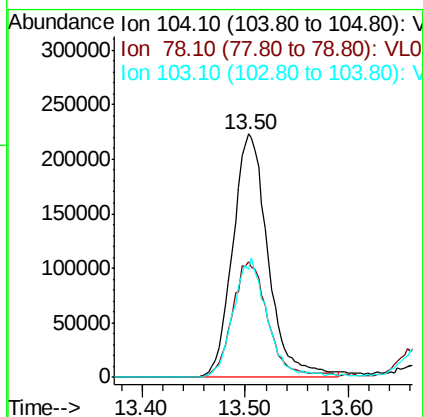
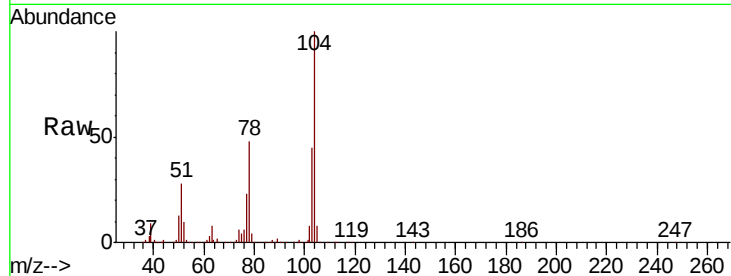
#61
Stvrene
Concen: 3.040 ppbv
RT: 13.50 min Scan# 3333
Delta R.T. -0.00 min
Lab File: VL036951.D
Acq: 18 May 2021 2:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.3	39.0	58.6
103	47.3	38.0	57.0

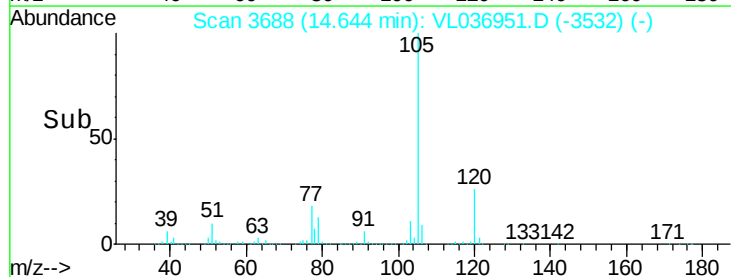
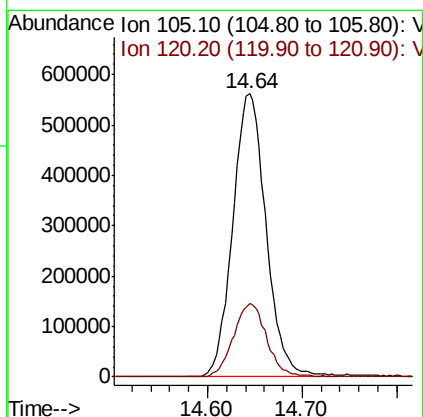
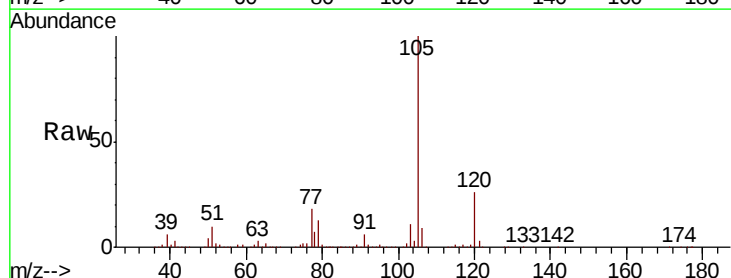
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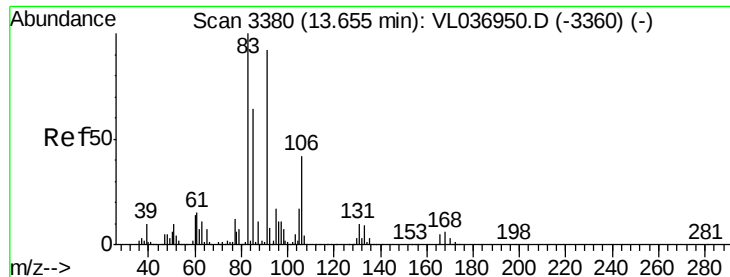
MMDadoda
5/20/2021 5:54:14 PM



#62
Isopropylbenzene
Concen: 2.354 ppbv
RT: 14.64 min Scan# 3688
Delta R.T. 0.00 min
Lab File: VL036951.D
Acq: 18 May 2021 2:39

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.0	21.7	32.5





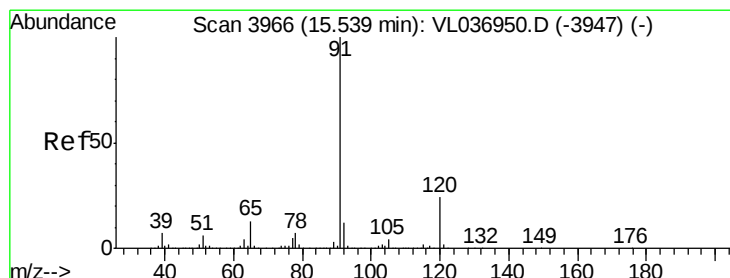
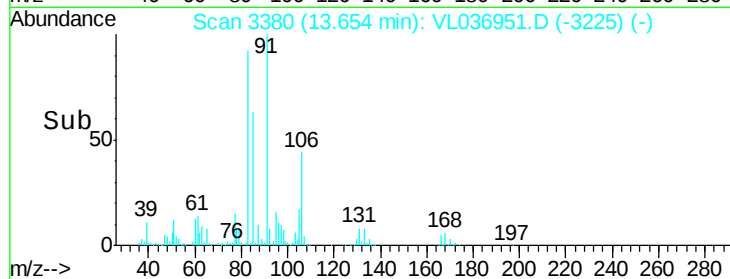
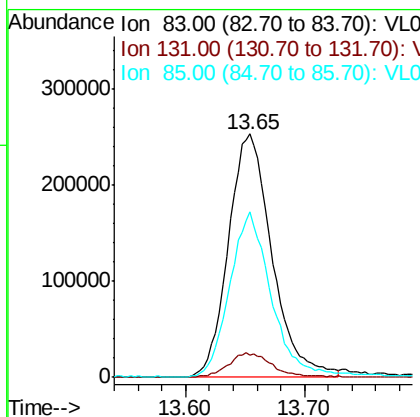
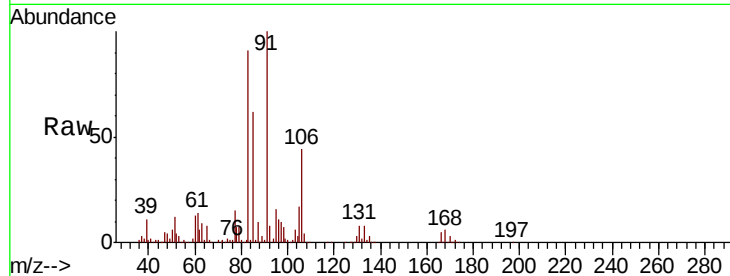
#63
 1,1,2,2-Tetrachloroethane
 Concen: 1.577 ppbv
 RT: 13.65 min Scan# 3380
 Delta R.T. -0.00 min
 Lab File: VL036951.D
 Acq: 18 May 2021 2:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	10.3	5.0	15.0	
85	65.9	32.9	98.6	

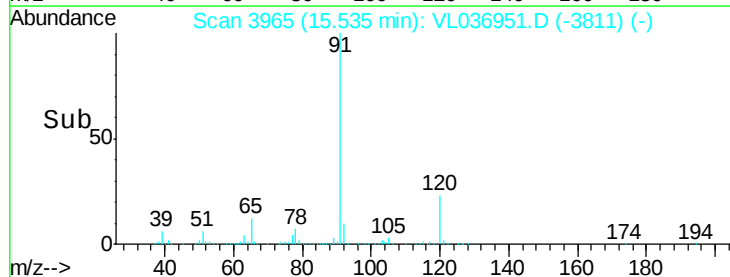
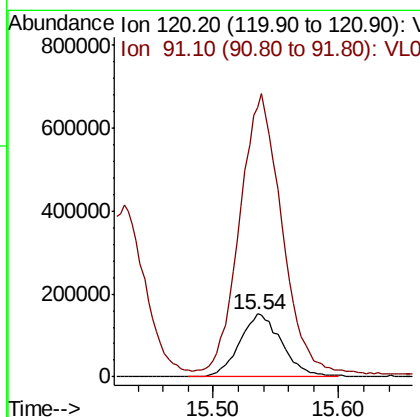
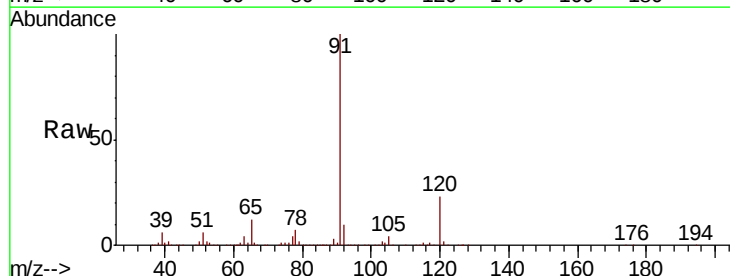
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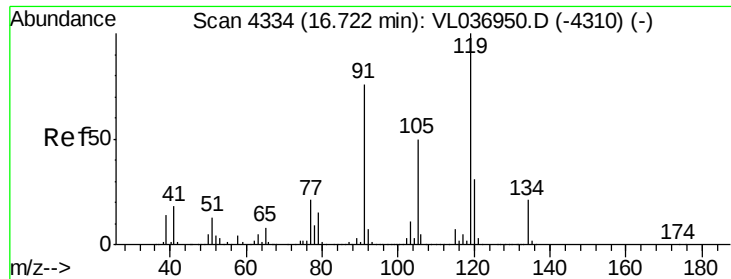
MMDadoda
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#64
 n-propylbenzene
 Concen: 2.448 ppbv
 RT: 15.54 min Scan# 3965
 Delta R.T. -0.00 min
 Lab File: VL036951.D
 Acq: 18 May 2021 2:39

Tgt Ion	Ratio	Resp	Lower	Upper
120	100			
91	465.4	343.8	515.6	





#65

tert-Butylbenzene

Concen: 2.441 ppbv

RT: 16.72 min Scan# 4334

Delta R.T. -0.00 min

Lab File: VL036951.D

Acq: 18 May 2021 2:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 119 Resp: 1263130

Ion Ratio Lower Upper

119 100

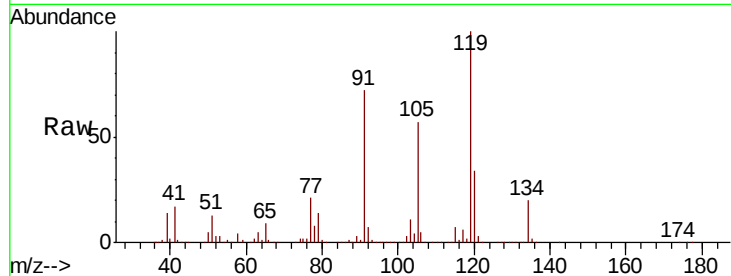
91 76.2 61.9 92.9

134 20.1 16.2 24.4

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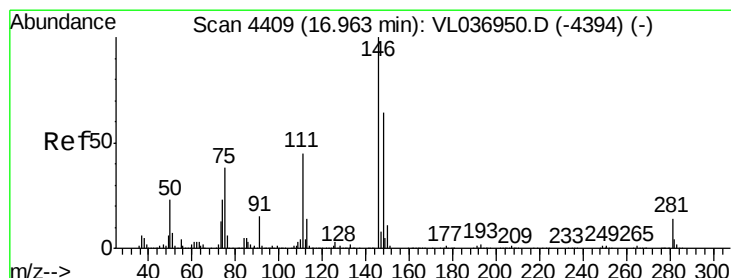
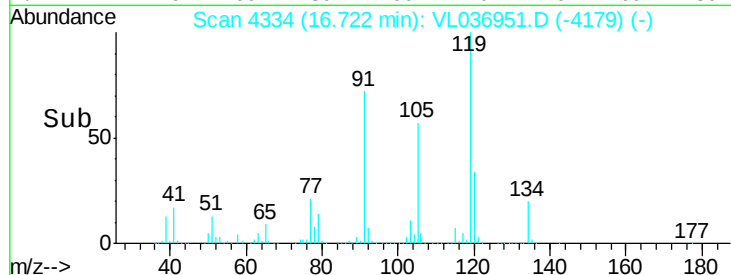
Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V

16.72

Time-->



#66

Benzyl Chloride

Concen: 1.484 ppbv m

RT: 16.97 min Scan# 4412

Delta R.T. 0.01 min

Lab File: VL036951.D

Acq: 18 May 2021 2:39

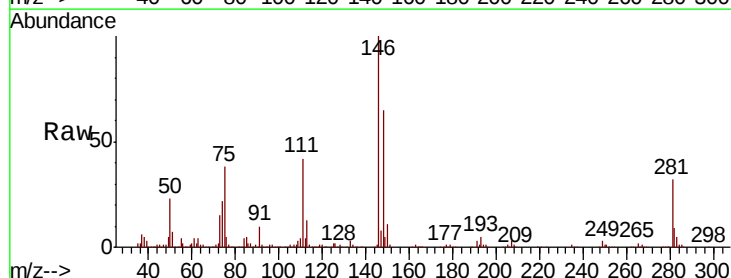
Tgt Ion: 91 Resp: 69887

Ion Ratio Lower Upper

91 100

126 0.0 16.5 24.7#

128 7.2 5.5 8.3



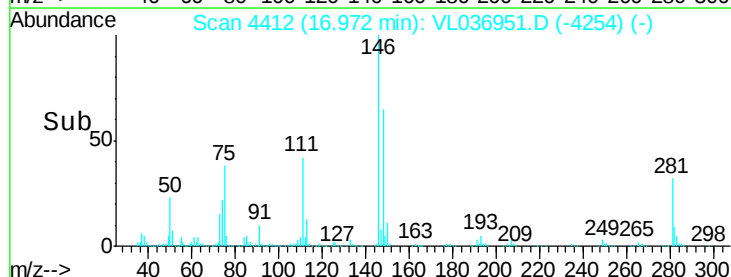
Abundance Ion 91.10 (90.80 to 91.80): VL0

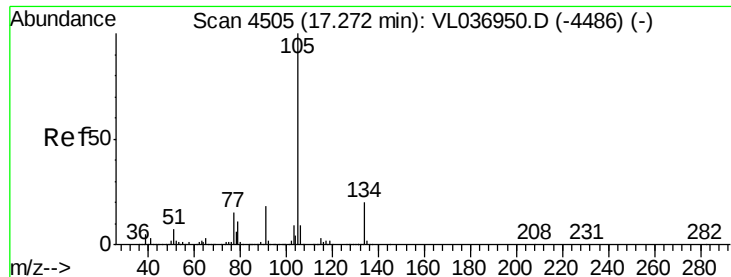
Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V

16.97

Time-->





#67

sec-Butylbenzene

Concen: 2.342 ppbv

RT: 17.27 min Scan# 4505

Delta R.T. -0.00 min

Lab File: VL036951.D

Acq: 18 May 2021 2:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 105 Resp: 1711856

Ion Ratio Lower Upper

105 100

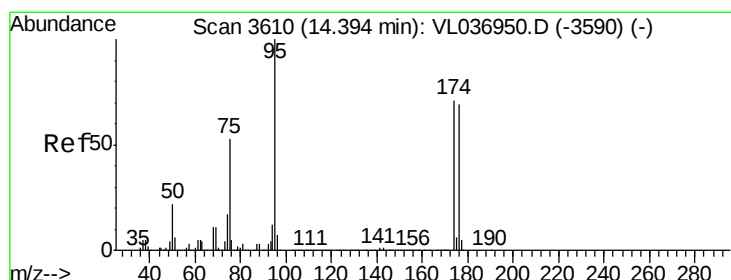
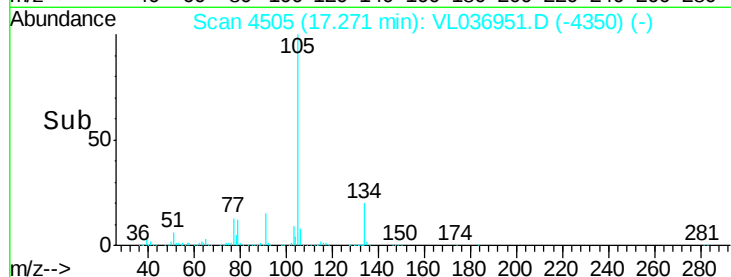
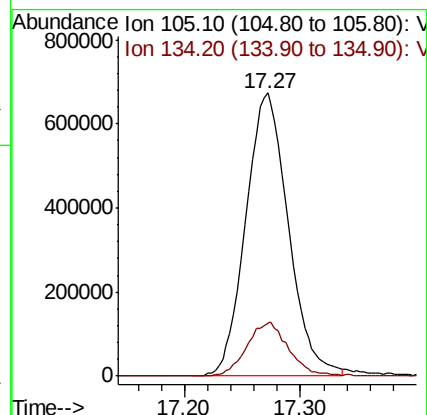
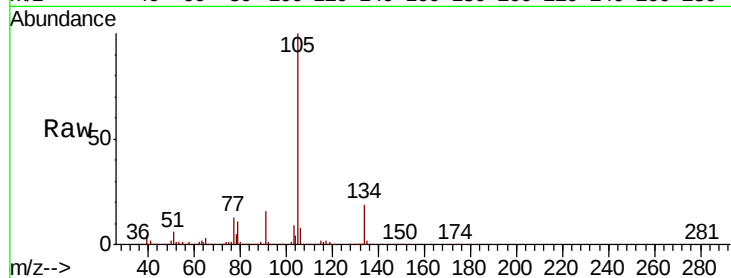
134 18.9 15.6 23.4

Manual Integrations

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#68

1-Bromo-4-Fluorobenzene

Concen: 9.439 ppbv

RT: 14.39 min Scan# 3609

Delta R.T. -0.00 min

Lab File: VL036951.D

Acq: 18 May 2021 2:39

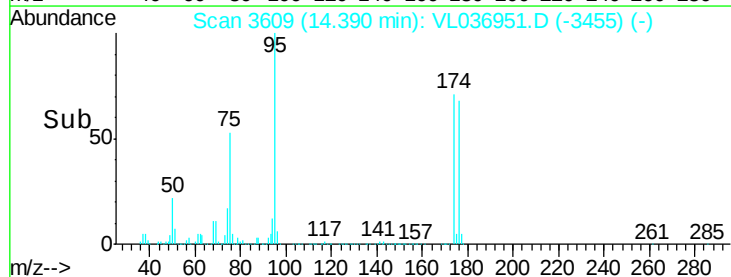
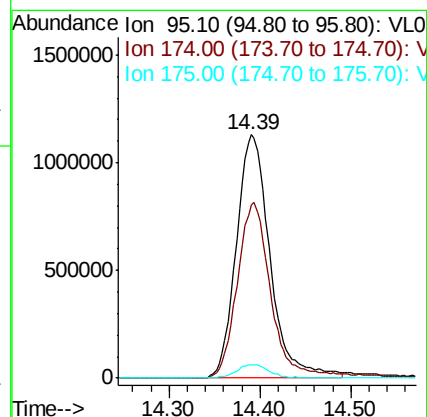
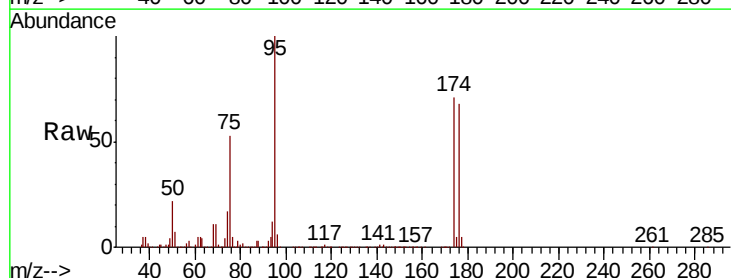
Tgt Ion: 95 Resp: 2914201

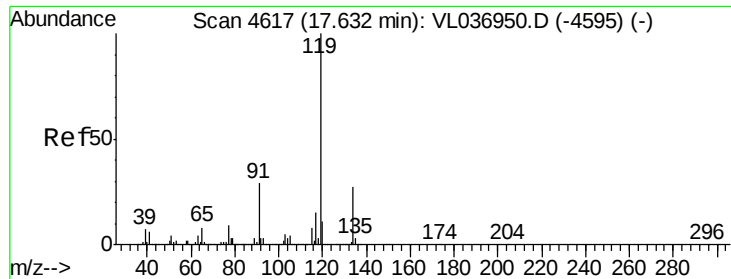
Ion Ratio Lower Upper

95 100

174 73.8 58.4 87.6

175 5.6 4.4 6.6





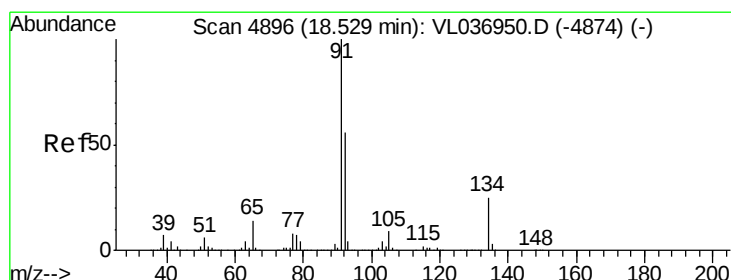
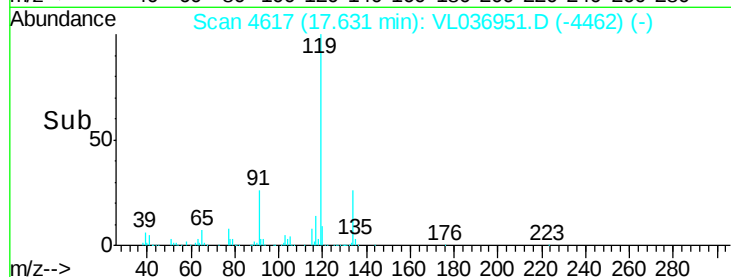
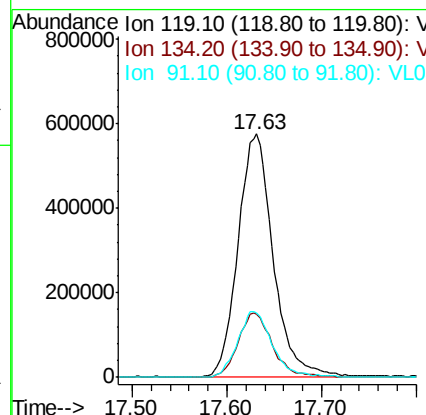
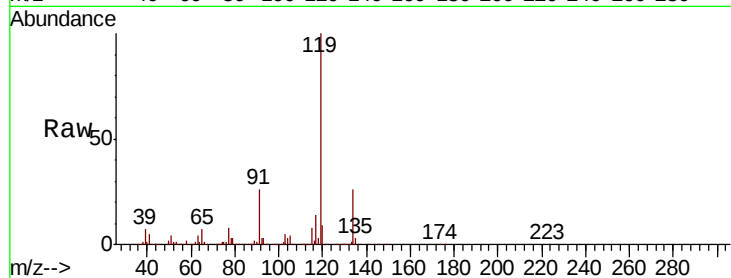
#69
 p-Isopropyltoluene
 Concen: 2.665 ppbv
 RT: 17.63 min Scan# 4617
 Delta R.T. -0.00 min
 Lab File: VL036951.D
 Acq: 18 May 2021 2:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.3	21.2	31.8
91	26.9	22.2	33.4

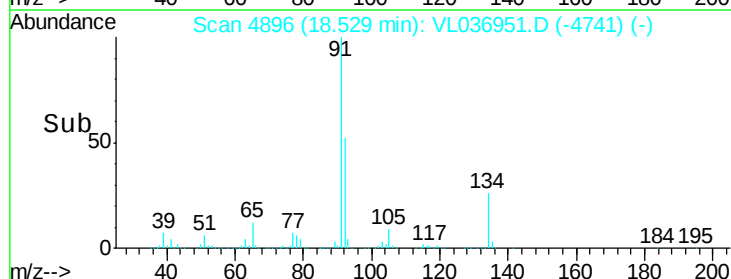
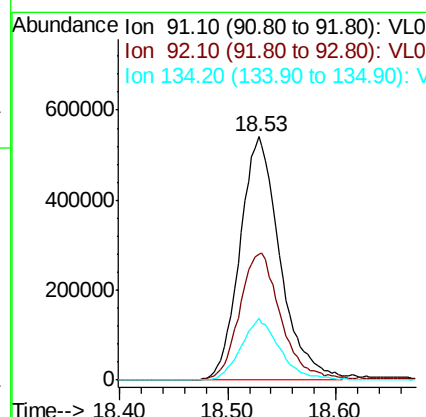
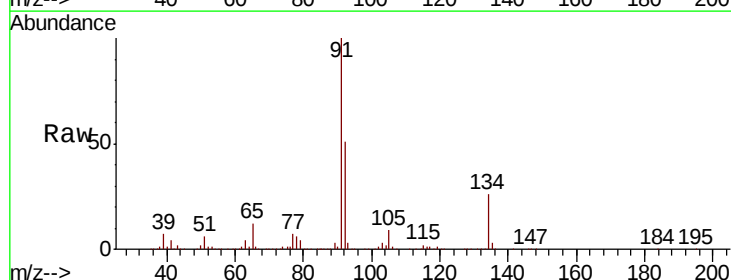
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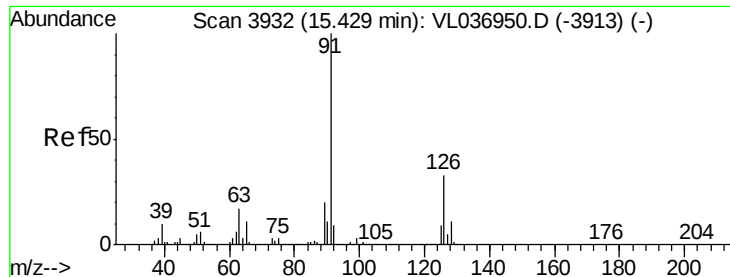
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#70
 n-Butylbenzene
 Concen: 2.501 ppbv
 RT: 18.53 min Scan# 4896
 Delta R.T. -0.00 min
 Lab File: VL036951.D
 Acq: 18 May 2021 2:39

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.0	44.6	66.8
134	25.3	20.2	30.2





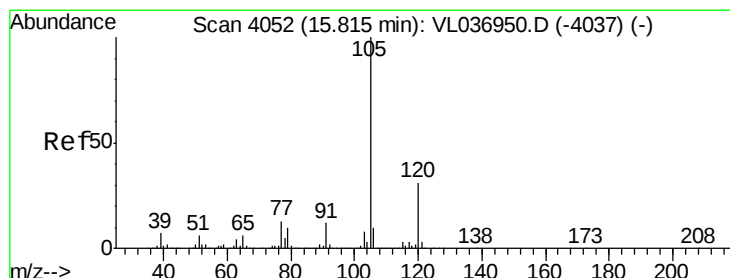
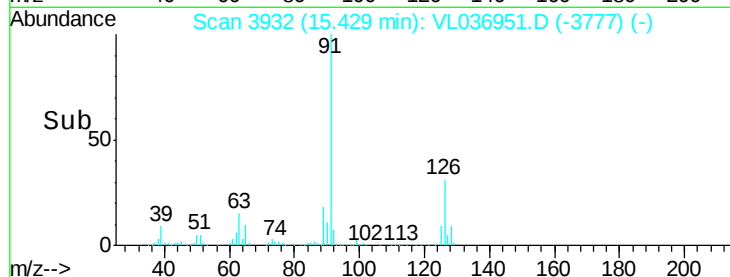
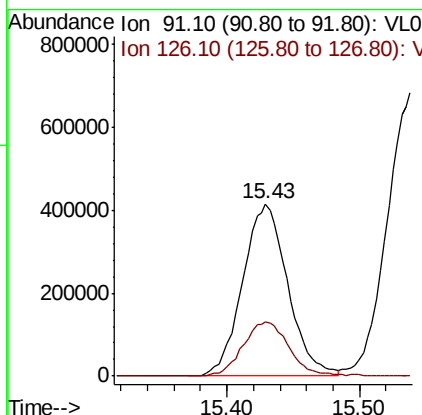
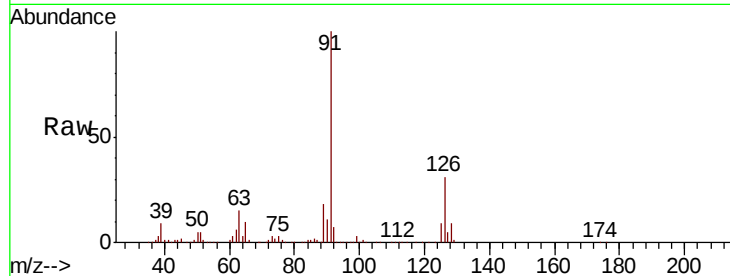
#71
 2-Chlorotoluene
 Concen: 2.351 ppbv
 RT: 15.43 min Scan# 3932
 Delta R.T. -0.00 min
 Lab File: VL036951.D
 Acq: 18 May 2021 2:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Resp	Lower	Upper
91	100	980657		
126	33.4	13.1	52.5	

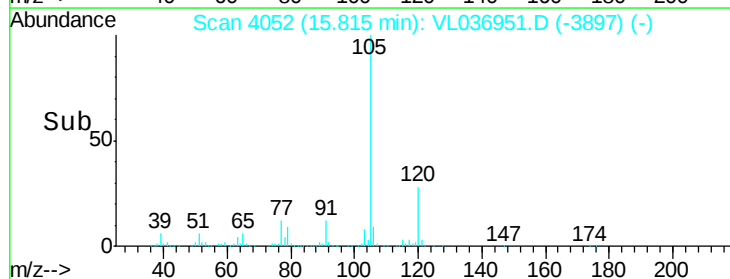
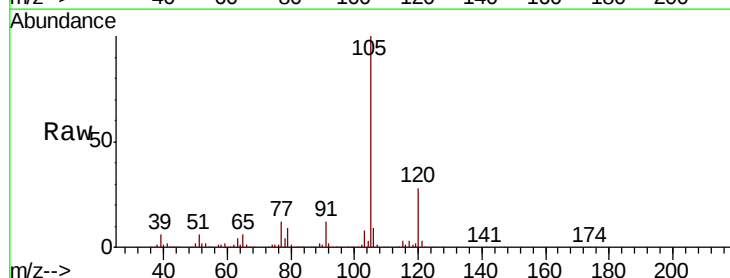
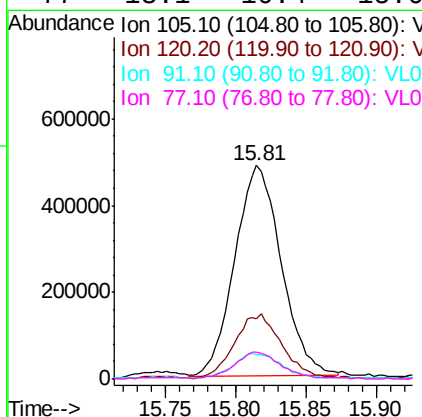
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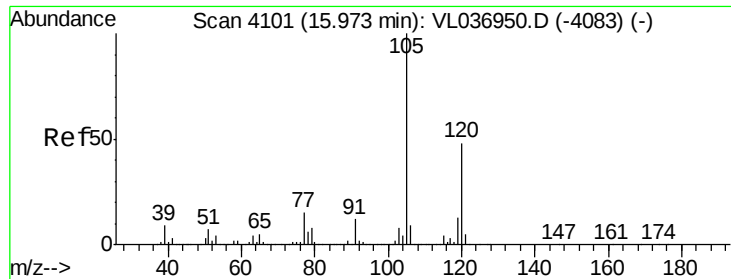
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#72
 4-Ethyltoluene
 Concen: 2.527 ppbv
 RT: 15.81 min Scan# 4052
 Delta R.T. -0.00 min
 Lab File: VL036951.D
 Acq: 18 May 2021 2:39

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	1120181		
120	31.5	24.6	37.0	
91	13.9	9.8	14.6	
77	13.1	10.4	15.6	





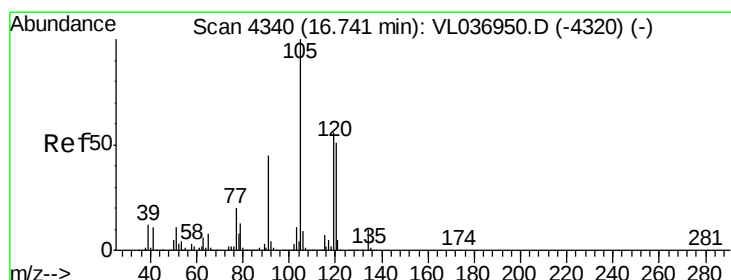
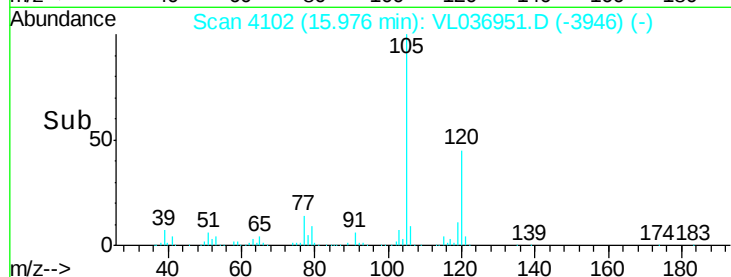
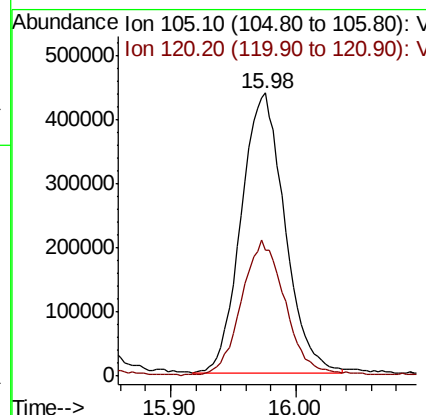
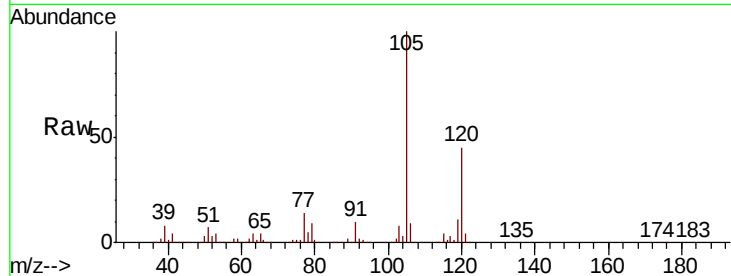
#73
 1,3,5-Trimethylbenzene
 Concen: 2.429 ppbv
 RT: 15.98 min Scan# 4102
 Delta R.T. 0.00 min
 Lab File: VL036951.D
 Acq: 18 May 2021 2:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion:105 Resp: 1052132
 Ion Ratio Lower Upper
 105 100
 120 44.8 38.6 58.0

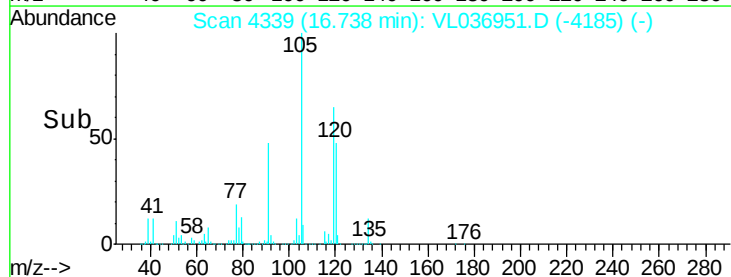
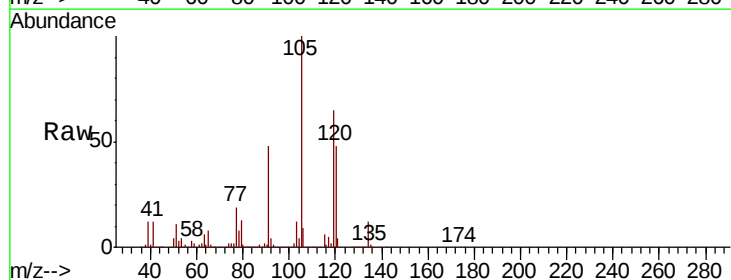
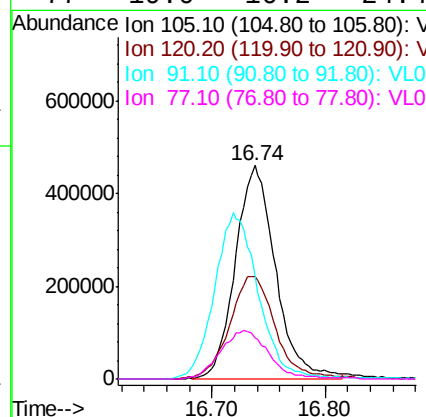
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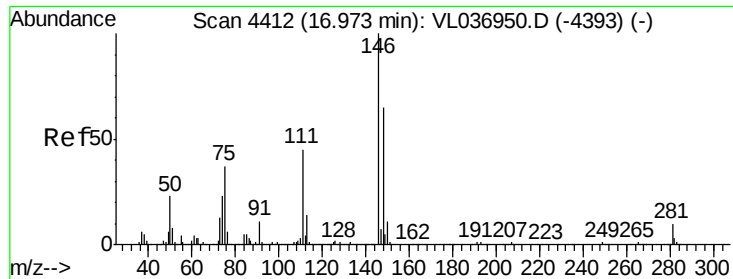
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#74
 1,2,4-Trimethylbenzene
 Concen: 2.377 ppbv
 RT: 16.74 min Scan# 4339
 Delta R.T. -0.00 min
 Lab File: VL036951.D
 Acq: 18 May 2021 2:39

Tgt Ion:105 Resp: 1130269
 Ion Ratio Lower Upper
 105 100
 120 47.3 40.6 61.0
 91 47.2 37.4 56.0
 77 19.0 16.2 24.4





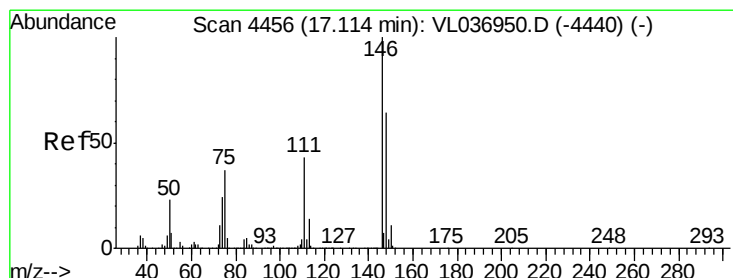
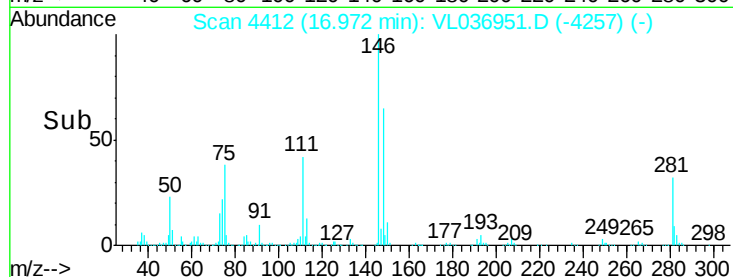
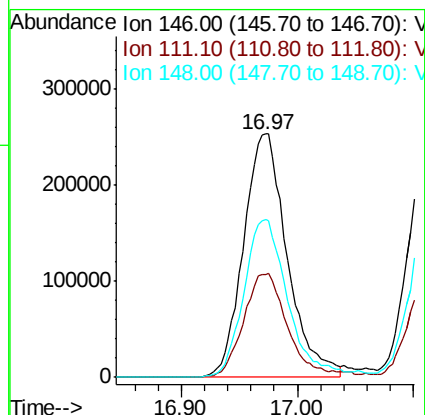
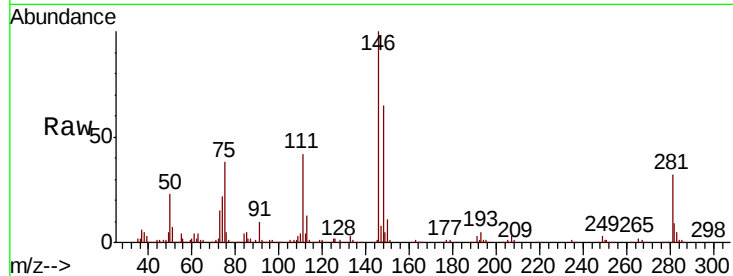
#75
 1,3-Dichlorobenzene
 Concen: 2.151 ppbv
 RT: 16.97 min Scan# 4412
 Delta R.T. -0.00 min
 Lab File: VL036951.D
 Acq: 18 May 2021 2:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	22.2	66.6
148	65.8	32.3	96.8

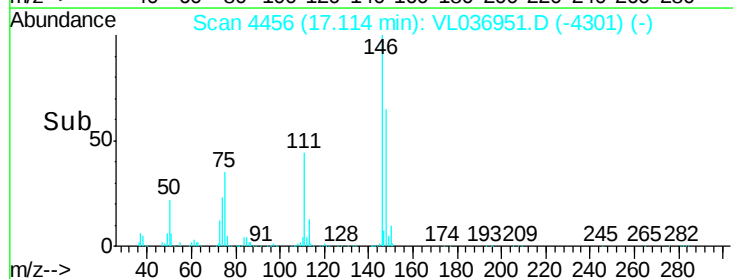
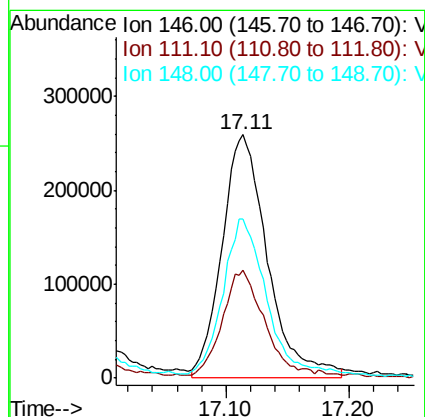
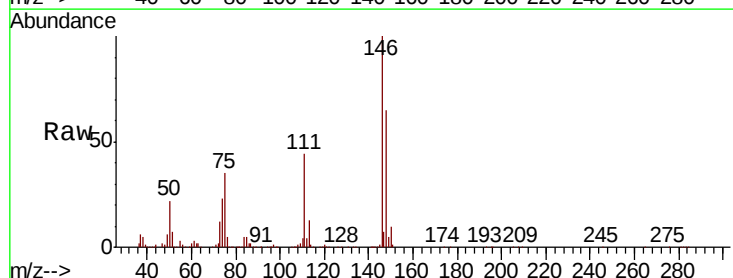
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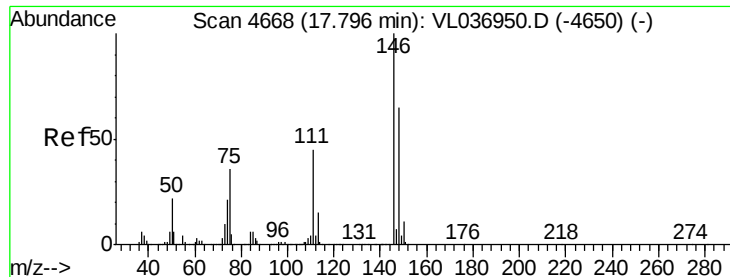
MMDadoda
 5/20/2021 5:54:14 PM



#76
 1,4-Dichlorobenzene
 Concen: 2.440 ppbv m
 RT: 17.11 min Scan# 4456
 Delta R.T. -0.00 min
 Lab File: VL036951.D
 Acq: 18 May 2021 2:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.5	22.6	67.7
148	63.8	33.5	100.5





#77

1,2-Dichlorobenzene

Concen: 2.358 ppbv m

RT: 17.79 min Scan# 4667

Delta R.T. -0.00 min

Lab File: VL036951.D

Acq: 18 May 2021 2:39

Instrument :

MSVOA_L

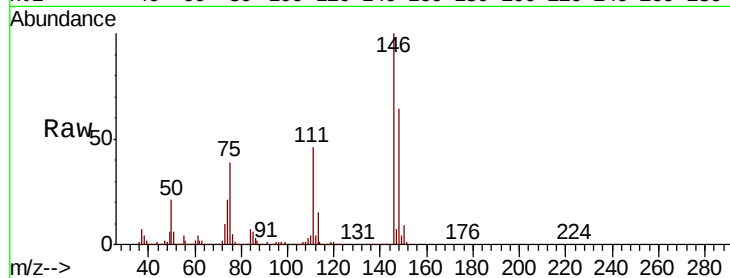
ClientSampleId :

VSTDIC002

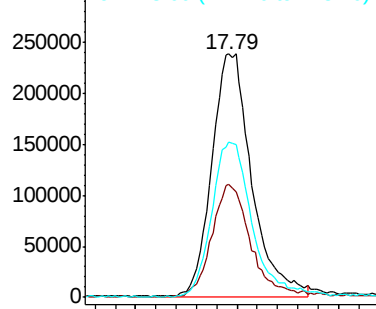
Tot Ion:	146	Resp:	658023
Ion Ratio	Lower	Upper	
146	100		
111	45.9	23.1	69.2
148	63.8	32.5	97.4

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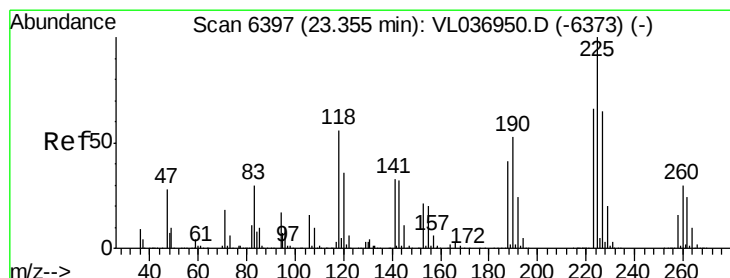
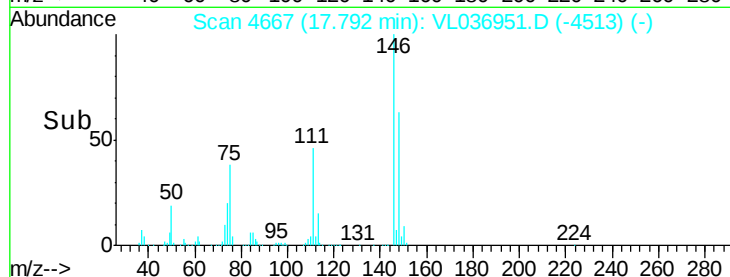
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Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.10 (110.80 to 111.80): V
Ion 148.00 (147.70 to 148.70): V



Time-->



#78

Hexachloro-1,3-Butadiene

Concen: 2.151 ppbv

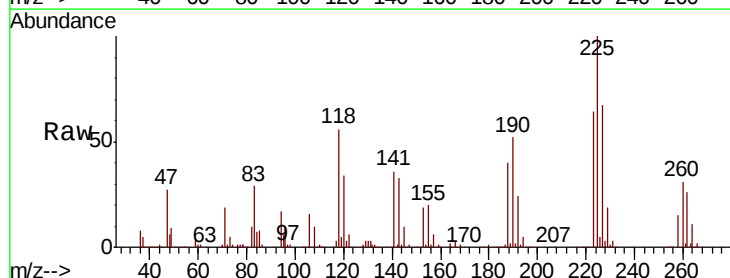
RT: 23.35 min Scan# 6397

Delta R.T. -0.00 min

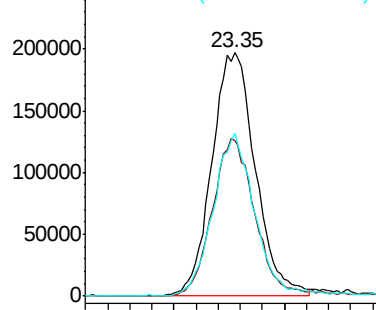
Lab File: VL036951.D

Acq: 18 May 2021 2:39

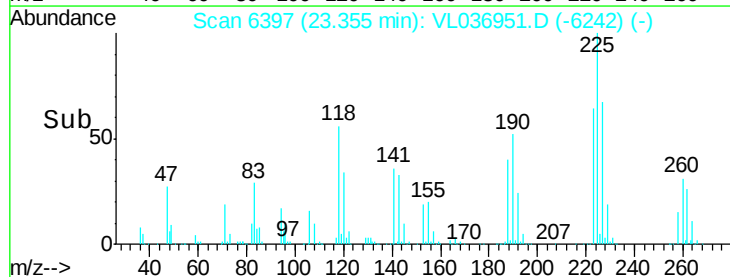
Tgt Ion:	225	Resp:	536298
Ion Ratio	Lower	Upper	
225	100		
223	65.3	51.9	77.9
227	65.2	51.8	77.6

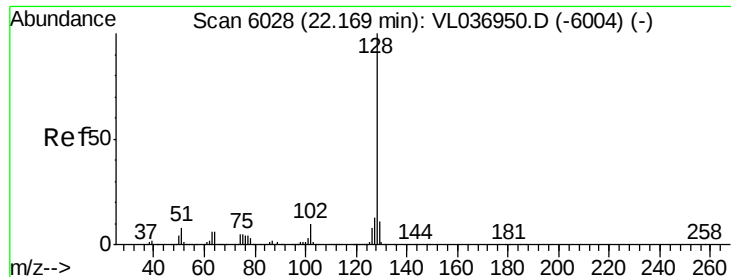


Abundance Ion 224.90 (224.60 to 225.60): V
Ion 222.90 (222.60 to 223.60): V
Ion 226.90 (226.60 to 227.60): V



Time-->





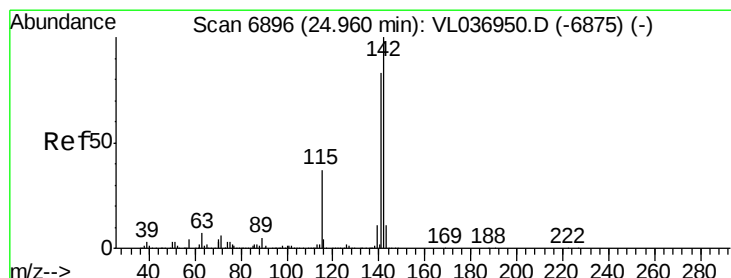
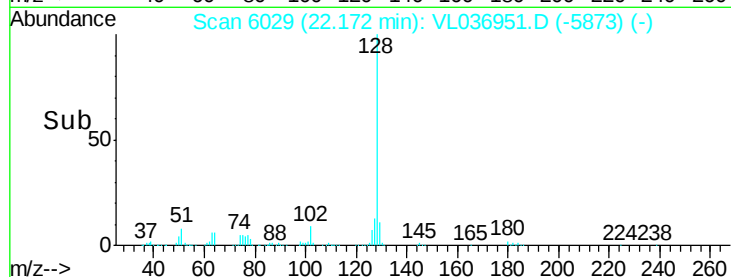
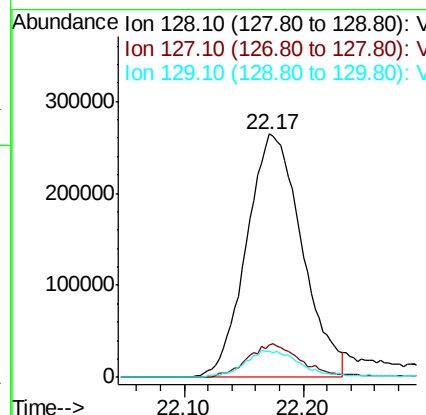
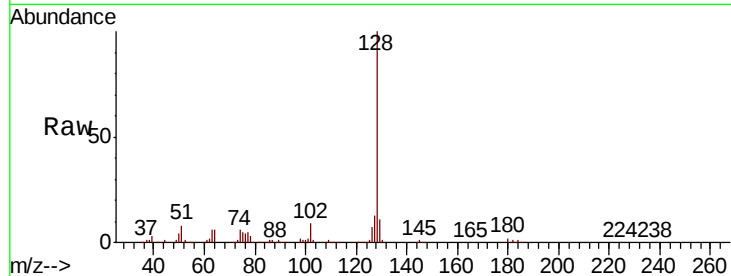
#79
Naphthalene
Concen: 3.950 ppbv
RT: 22.17 min Scan# 6029
Delta R.T. 0.00 min
Lab File: VL036951.D
Acq: 18 May 2021 2:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Resp	Lower	Upper
128	100	848579		
127	13.1		10.4	15.6
129	10.8		9.0	13.6

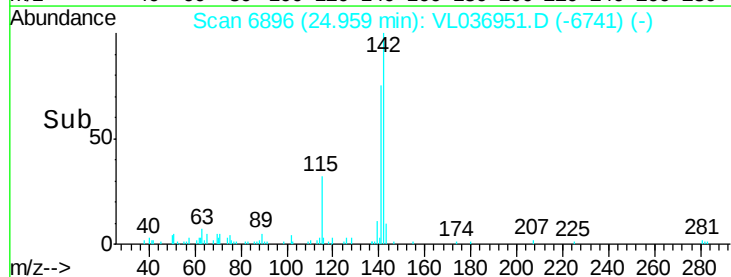
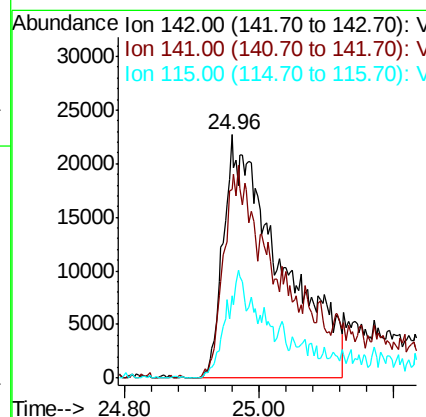
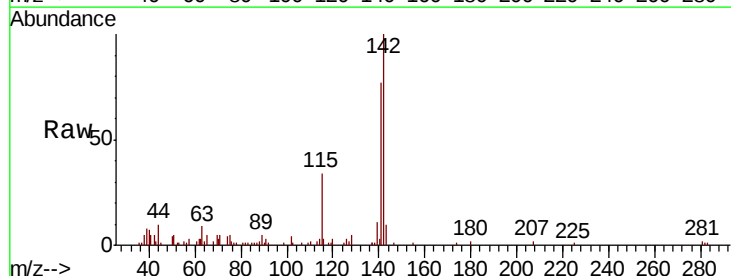
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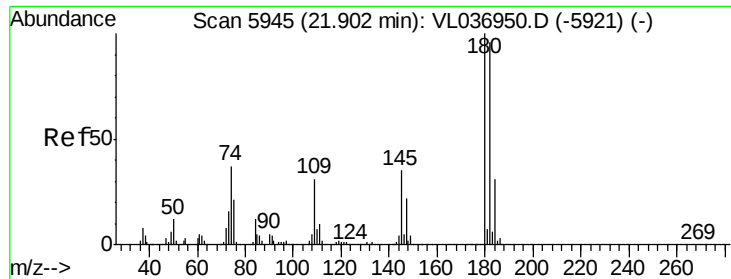
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#80
Naphthalene, 2-methyl-
Concen: 4.275 ppbv
RT: 24.96 min Scan# 6896
Delta R.T. -0.00 min
Lab File: VL036951.D
Acq: 18 May 2021 2:39

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	134590		
141	81.0		69.3	103.9
115	30.4		29.1	43.7





#81
 1,2,4-Trichlorobenzene
 Concen: 3.368 ppbv
 RT: 21.90 min Scan# 5946
 Delta R.T. 0.00 min
 Lab File: VL036951.D
 Acq: 18 May 2021 2:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Resp	Lower	Upper
180	100	517718		
182	99.1		81.7	122.5
184	30.9		24.9	37.3

Manual Integrations
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