

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061621\
 Data File : VL037166.D
 Acq On : 16 Jun 2021 10:42
 Operator : SY/AP
 Sample : VSTDIC001
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 6/17/2021 5:37:17 PM

Quant Time: Jun 16 12:21:38 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 16 12:21:38 2021
 QLast Update : Wed Jun 16 11:33:05 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1548169	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4615895	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	4183478	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	3092960	10.04	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	312909	1.269	ppbv	98
3) Chlorodifluoromethane	2.99	51	328904	1.132	ppbv	98
4) Chloromethane	3.14	50	101982	1.031	ppbv	95
5) Vinyl Chloride	3.26	62	108756	1.136	ppbv	96
6) Bromomethane	3.48	94	64828	1.065	ppbv	89
7) Chloroethane	3.56	64	39194	1.049	ppbv	100
8) Dichlorotetrafluoroethane	3.19	85	299681	1.138	ppbv	99
9) Propene	3.02	41	106556m	1.112	ppbv	
10) Heptane	8.13	43	237968	1.042	ppbv	98
11) Trichlorofluoromethane	3.95	101	299204	1.070	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.49	101	208929	1.089	ppbv	99
13) Ethanol	3.63	45	15008m	1.134	ppbv	
14) Bromoethene	3.74	108	88541m	1.066	ppbv	
15) Acetone	3.87	43	189615	1.024	ppbv #	77
16) 1,3-Butadiene	3.33	39	106816m	1.068	ppbv	
17) tert-Butyl alcohol	4.32	59	151411	0.944	ppbv #	94
18) 1,1-Dichloroethene	4.29	96	87407	1.010	ppbv	95
19) Isopropyl Alcohol	3.99	45	116581m	1.147	ppbv	
20) Methylene Chloride	4.35	84	123626m	1.531	ppbv	
21) Allyl Chloride	4.42	41	135408m	1.094	ppbv	
22) trans-1,2-Dichloroethene	4.89	96	89751m	1.064	ppbv	
23) Vinyl Acetate	5.08	43	260309m	1.070	ppbv	
24) 1,1-Dichloroethane	5.02	63	201674	1.033	ppbv	99
25) Ethyl Acetate	5.69	43	407529	1.123	ppbv	98
26) Hexane	5.69	57	206647	1.145	ppbv	93
27) Carbon Disulfide	4.56	76	175157	0.957	ppbv	95
28) Methyl tert-Butyl Ether	5.05	73	241517	1.068	ppbv	99
29) Chloroform	5.75	83	304674	1.045	ppbv	94
30) Cyclohexane	7.14	84	167905	1.067	ppbv	93
31) cis-1,2-Dichloroethene	5.56	61	177420m	1.020	ppbv	
32) 1,1,1-Trichloroethane	6.52	97	294702	1.101	ppbv	96
34) 2-Butanone	5.26	43	206901m	1.193	ppbv	
35) Carbon Tetrachloride	7.02	117	311901	1.099	ppbv	97
36) Benzene	6.90	78	380444	1.039	ppbv	95
37) 1,2-Dichloroethane	6.31	62	217827	1.024	ppbv	98
38) Trichloroethene	7.84	130	162494	1.027	ppbv	96
39) 1,2-Dichloropropane	7.62	63	151372m	1.082	ppbv	
40) 1,4-Dioxane	7.87	88	43501m	1.111	ppbv	
41) Tetrahydrofuran	6.08	42	84354m	1.000	ppbv	
42) Bromodichloromethane	7.80	83	293511	1.002	ppbv	95
43) Methyl Methacrylate	8.03	69	129657m	1.032	ppbv	

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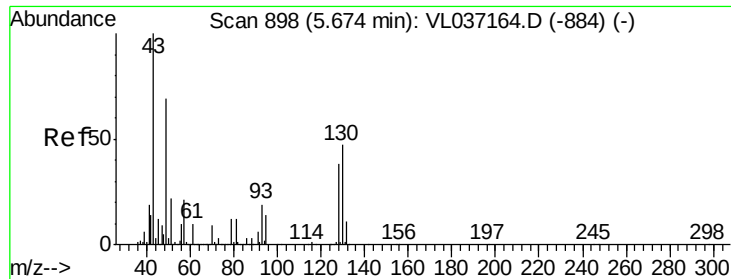
Manual Integrations
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Quant Time: Jun 16 12:21:38 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 16 2021
 QLast Update : Wed Jun 16 11:33:05 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	671795	1.096	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	89466	0.790	ppbv	98
46) cis-1,3-Dichloropropene	8.71	75	140632	0.931	ppbv	97
47) 1,1,2-Trichloroethane	9.48	97	163587	1.031	ppbv	94
48) Dibromochloromethane	10.31	129	238998	0.934	ppbv	99
49) Bromoform	13.05	173	164463	0.823	ppbv	99
50) 4-Methyl-2-Pentanone	8.77	43	237466	0.931	ppbv	97
51) 2-Hexanone	10.18	43	117555m	0.924	ppbv	
52) Tetrachloroethene	11.23	164	164032	1.083	ppbv	96
53) Toluene	9.82	91	458752	1.054	ppbv	99
54) 1,2-Dibromoethane	10.62	107	221235	0.953	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.13	131	189638m	1.039	ppbv	
57) Chlorobenzene	12.15	112	369744	1.103	ppbv	95
58) Ethyl Benzene	12.72	91	614922	1.085	ppbv	90
59) m/p-Xylene	13.00	91	1041420m	2.163	ppbv	
60) o-Xylene	13.70	91	502798	1.087	ppbv	100
61) Styrene	13.54	104	240606m	0.987	ppbv	
62) Isopropylbenzene	14.68	105	713114	1.082	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.69	83	311937	1.038	ppbv	94
64) n-propylbenzene	15.57	120	173362	1.031	ppbv	76
65) tert-Butylbenzene	16.75	119	645051	1.080	ppbv	97
66) Benzyl Chloride	17.00	91	22984m	0.882	ppbv	
67) sec-Butylbenzene	17.30	105	831713	1.048	ppbv	98
69) p-Isopropyltoluene	17.66	119	708496	1.068	ppbv	99
70) n-Butylbenzene	18.56	91	637427	1.050	ppbv	99
71) 2-Chlorotoluene	15.46	91	493487	1.050	ppbv	99
72) 4-Ethyltoluene	15.85	105	549673	1.023	ppbv	98
73) 1,3,5-Trimethylbenzene	16.00	105	559160m	1.098	ppbv	
74) 1,2,4-Trimethylbenzene	16.77	105	572609	1.105	ppbv	91
75) 1,3-Dichlorobenzene	17.00	146	339280m	1.063	ppbv	
76) 1,4-Dichlorobenzene	17.15	146	341709m	1.078	ppbv	
77) 1,2-Dichlorobenzene	17.83	146	337204m	1.071	ppbv	
78) Hexachloro-1,3-Butadiene	23.39	225	296949m	1.331	ppbv	
79) Naphthalene	22.21	128	399135	1.279	ppbv	99
80) Naphthalene, 2-methyl-	24.99	142	80116	1.061	ppbv #	90
81) 1,2,4-Trichlorobenzene	21.94	180	258429m	1.302	ppbv	

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



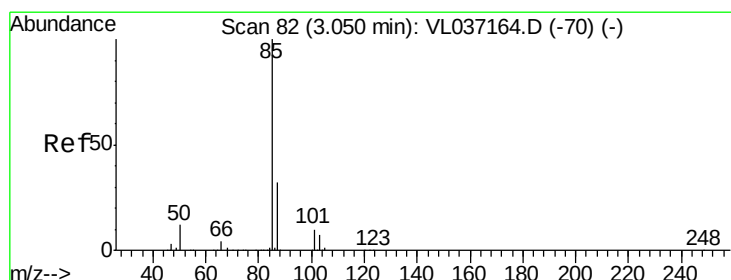
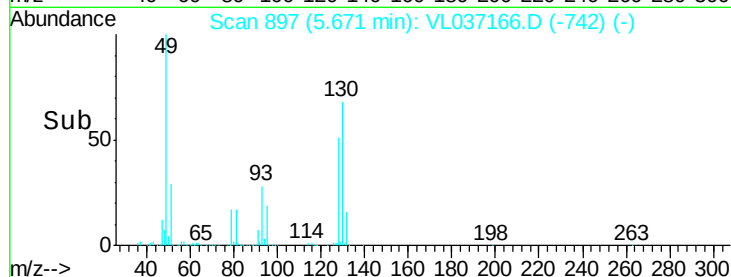
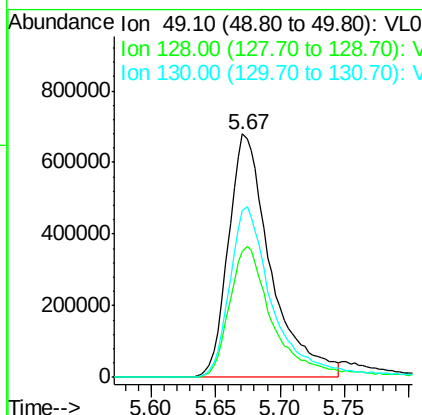
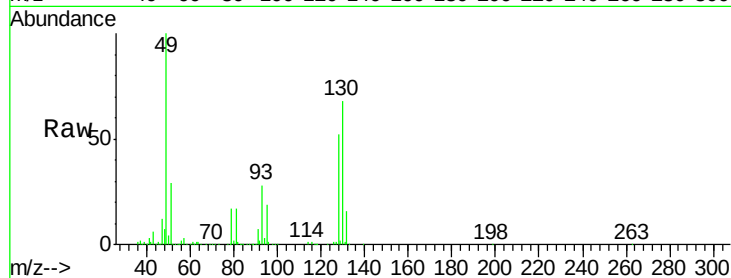
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.00 min
Lab File: VL037166.D
Acq: 16 Jun 2021 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion: 49 Resp: 1548169
Ion Ratio Lower Upper
49 100
128 56.8 29.3 88.0
130 72.5 35.9 107.8

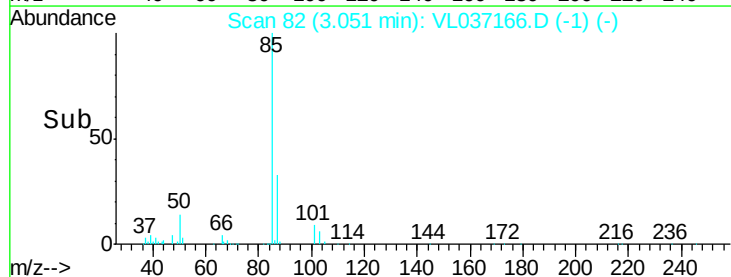
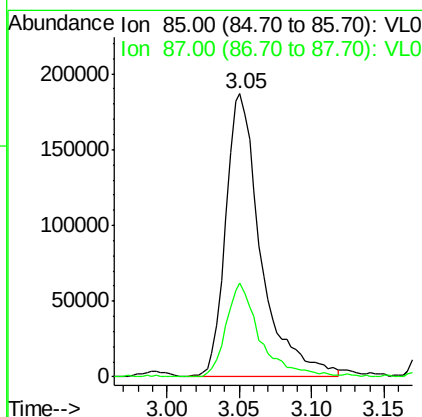
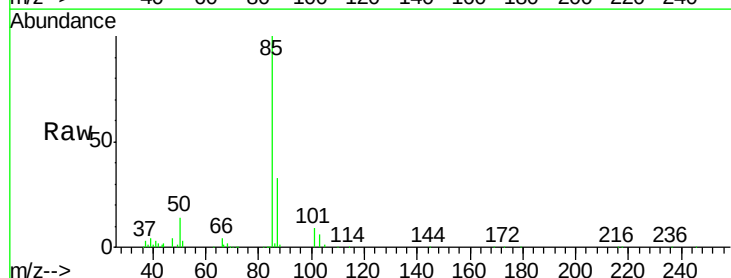
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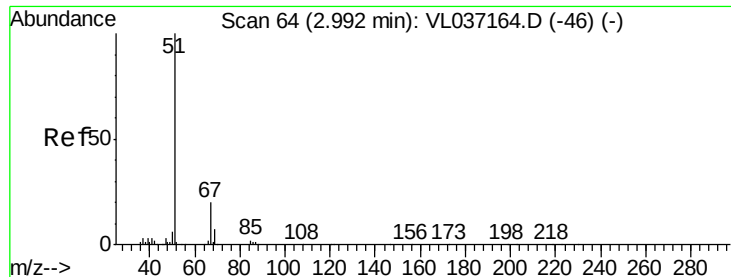
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#2
Dichlorodifluoromethane
Concen: 1.269 ppbv
RT: 3.05 min Scan# 82
Delta R.T. 0.00 min
Lab File: VL037166.D
Acq: 16 Jun 2021 10:42

Tgt Ion: 85 Resp: 312909
Ion Ratio Lower Upper
85 100
87 33.1 25.8 38.6





#3

Chlorodifluoromethane

Concen: 1.132 ppbv

RT: 2.99 min Scan# 63

Delta R.T. -0.00 min

Lab File: VL037166.D

Acq: 16 Jun 2021 10:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 51 Resp: 328904

Ion Ratio Lower Upper

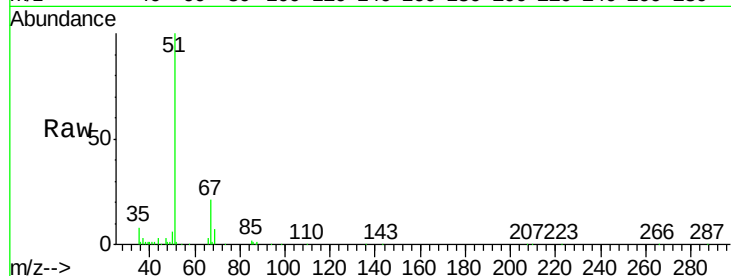
51 100

67 18.6 15.8 23.6

Manual Integrations
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

200000

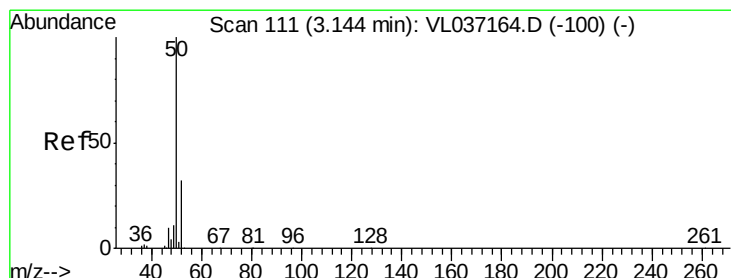
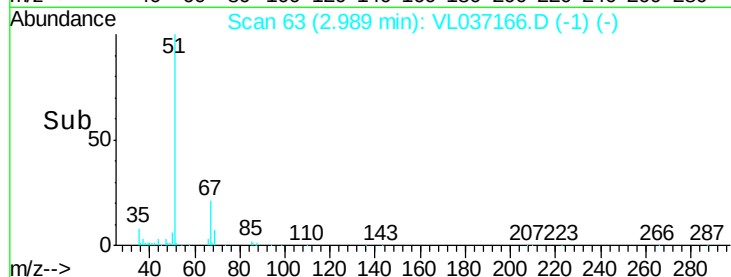
150000

100000

50000

0

Time--> 2.80 2.90 3.00 3.10



#4

Chloromethane

Concen: 1.031 ppbv

RT: 3.14 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL037166.D

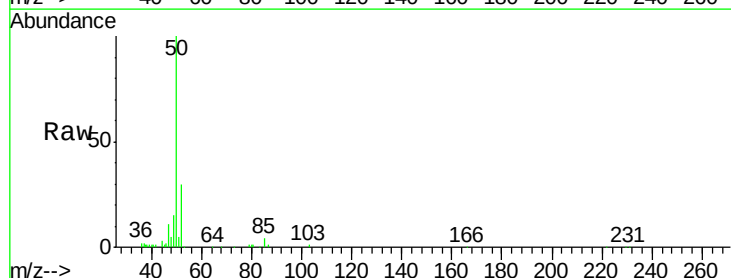
Acq: 16 Jun 2021 10:42

Tgt Ion: 50 Resp: 101982

Ion Ratio Lower Upper

50 100

52 29.8 25.8 38.8



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

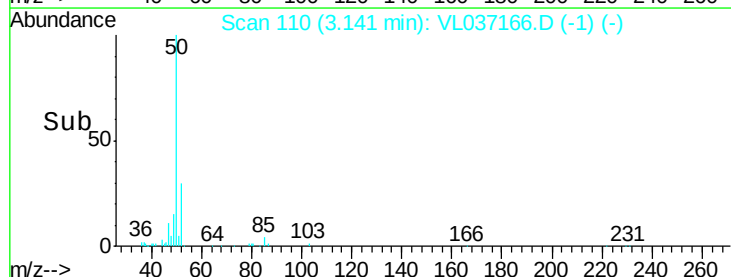
60000

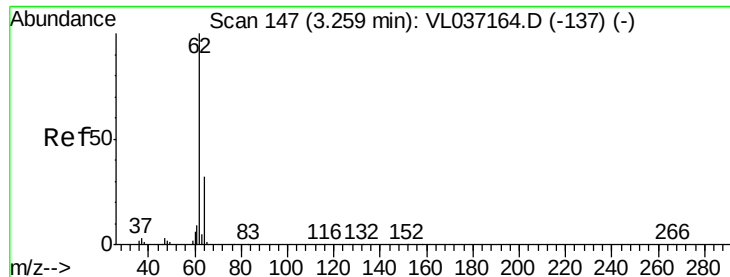
40000

20000

0

Time--> 3.10 3.15





#5

Vinyl Chloride

Concen: 1.136 ppbv

RT: 3.26 min Scan# 146

Delta R.T. -0.00 min

Lab File: VL037166.D

Acq: 16 Jun 2021 10:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 62 Resp: 108756

Ion Ratio Lower Upper

62 100

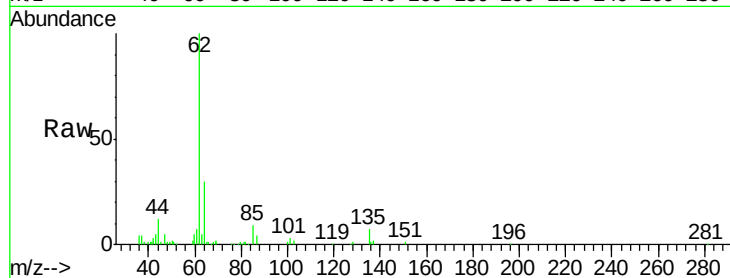
64 29.9 25.6 38.4

Manual Integrations

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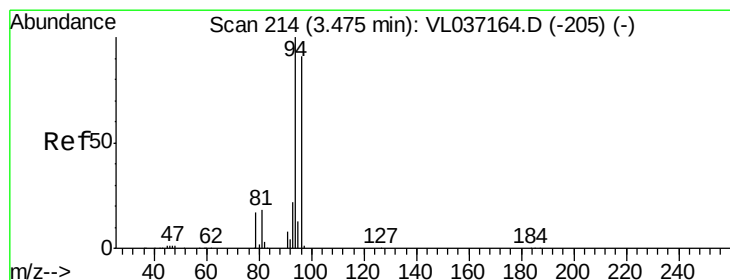
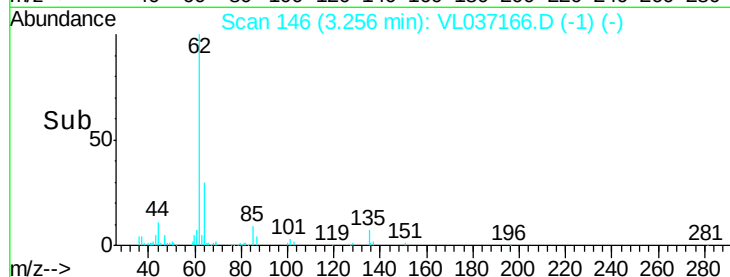
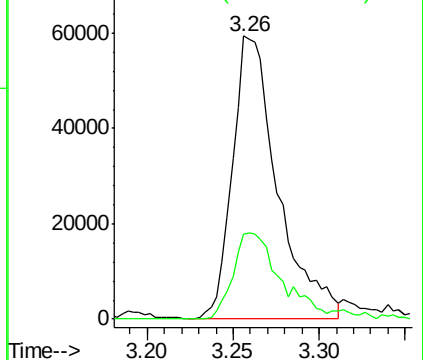
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 1.065 ppbv

RT: 3.48 min Scan# 215

Delta R.T. 0.00 min

Lab File: VL037166.D

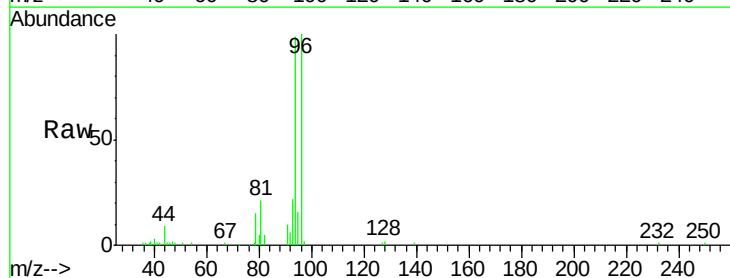
Acq: 16 Jun 2021 10:42

Tgt Ion: 94 Resp: 64828

Ion Ratio Lower Upper

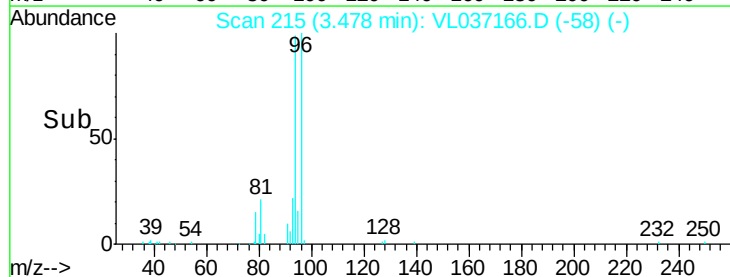
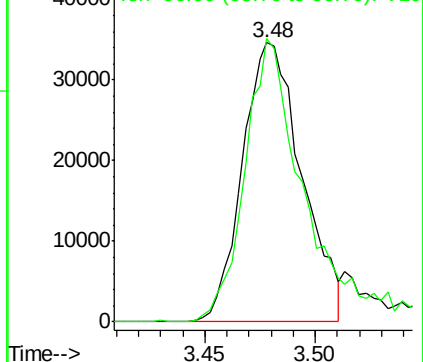
94 100

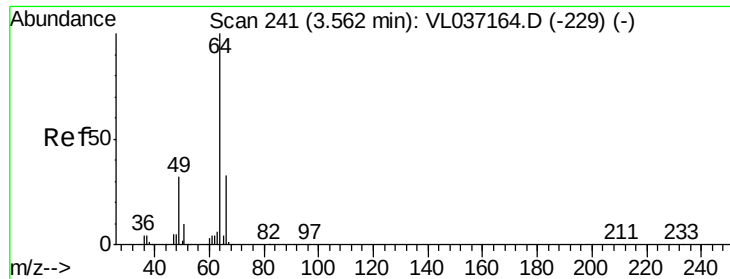
96 101.4 72.6 108.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 1.049 ppbv

RT: 3.56 min Scan# 242

Delta R.T. 0.00 min

Lab File: VL037166.D

Acq: 16 Jun 2021 10:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 64 Resp: 39194

Ion Ratio Lower Upper

64 100

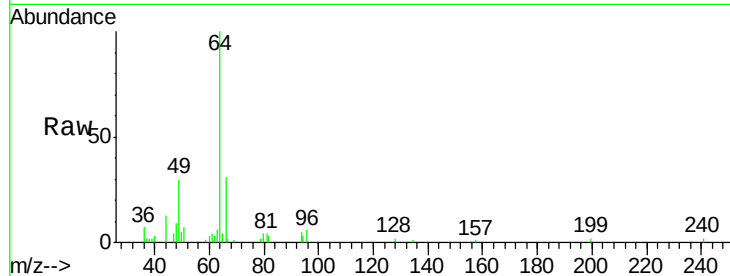
66 32.7 26.2 39.4

Manual Integrations

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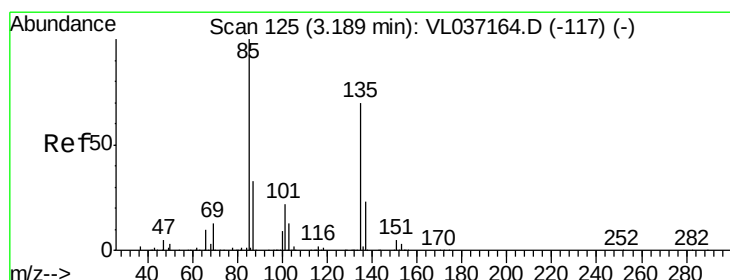
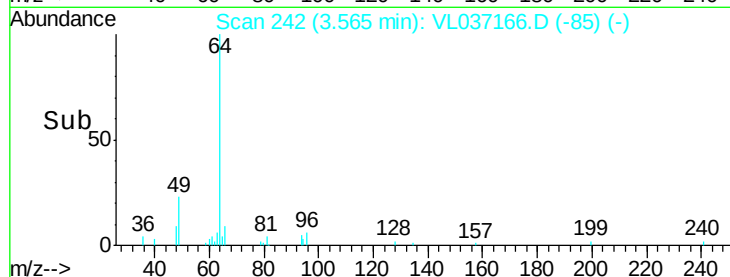
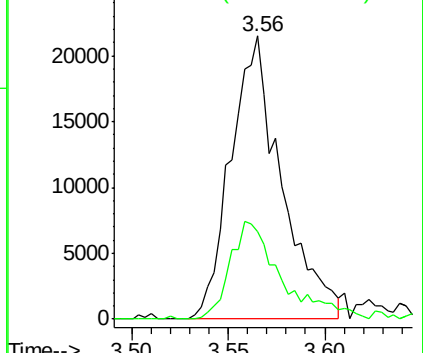
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 1.138 ppbv

RT: 3.19 min Scan# 126

Delta R.T. 0.00 min

Lab File: VL037166.D

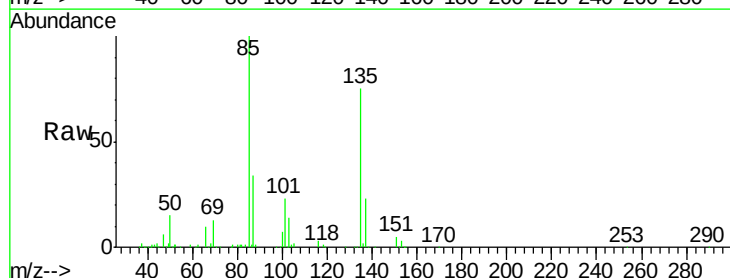
Acq: 16 Jun 2021 10:42

Tgt Ion: 85 Resp: 299681

Ion Ratio Lower Upper

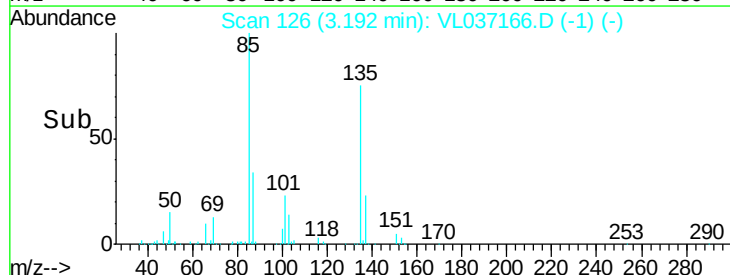
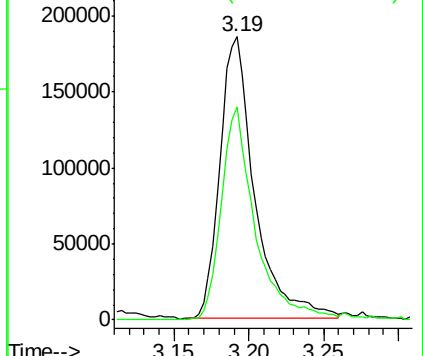
85 100

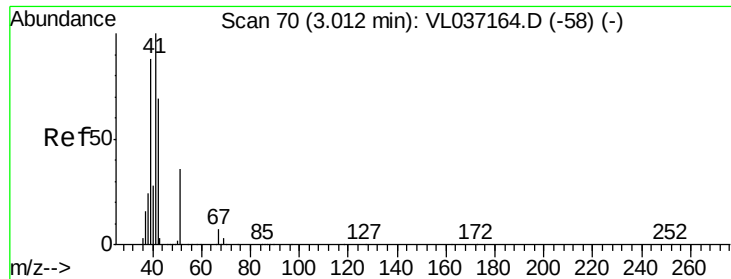
135 76.0 60.4 90.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 1.112 ppbv m

RT: 3.02 min Scan# 71

Delta R.T. 0.00 min

Lab File: VL037166.D

Acq: 16 Jun 2021 10:42

Instrument :

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ClientSampleId :

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Tot Ion: 41 Resp: 106556

Ion Ratio Lower Upper

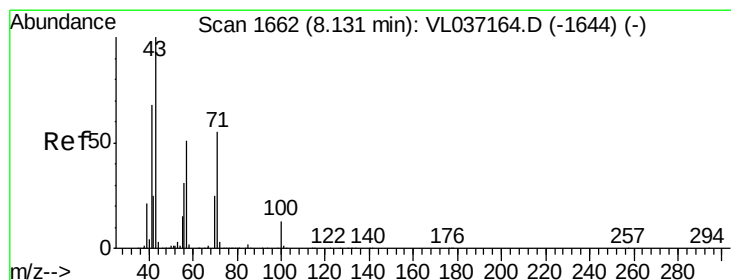
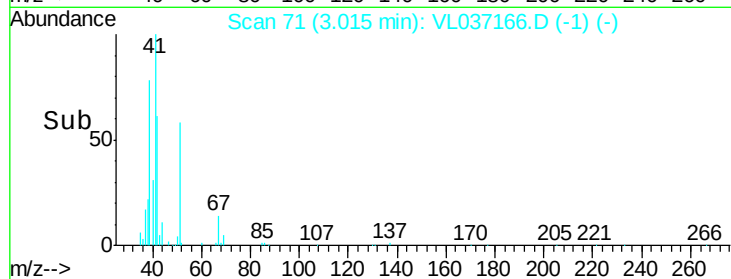
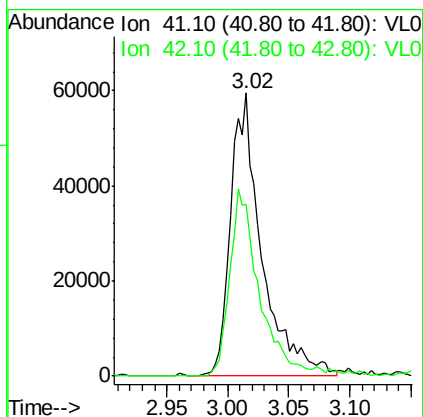
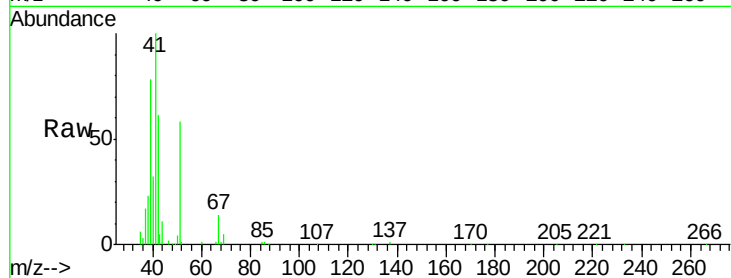
41 100

42 62.8 54.5 81.7

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#10

Heptane

Concen: 1.042 ppbv

RT: 8.13 min Scan# 1662

Delta R.T. 0.00 min

Lab File: VL037166.D

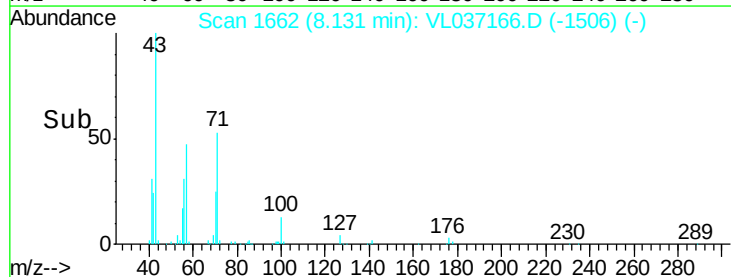
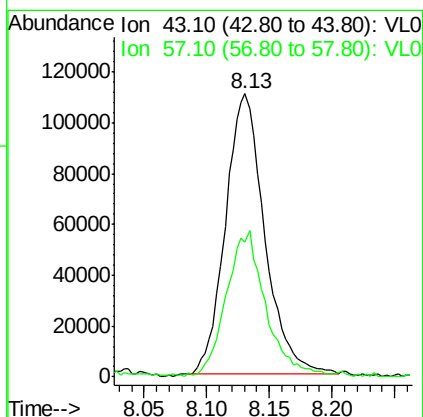
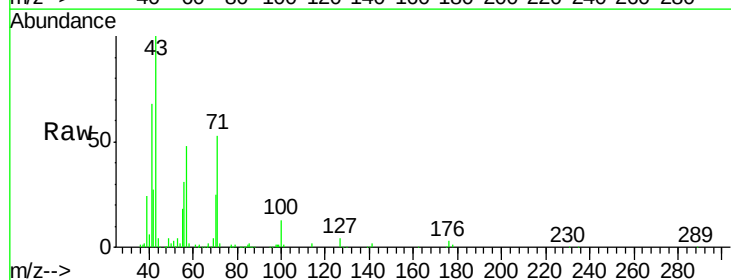
Acq: 16 Jun 2021 10:42

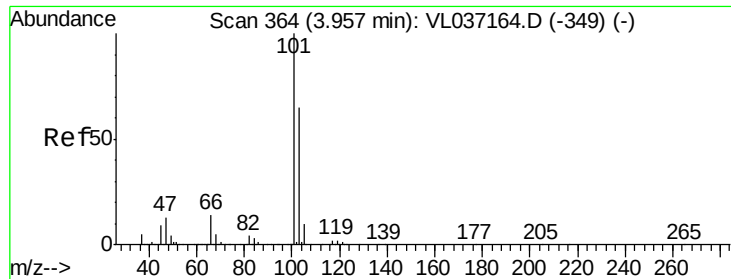
Tgt Ion: 43 Resp: 237968

Ion Ratio Lower Upper

43 100

57 52.2 40.6 61.0





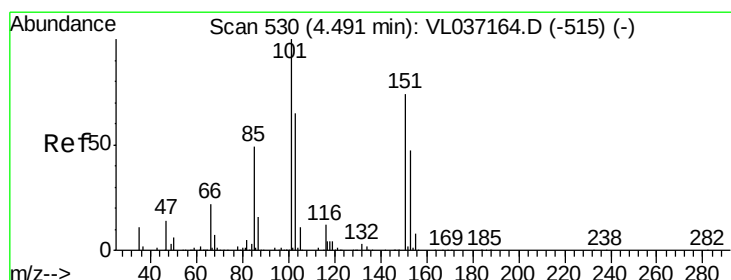
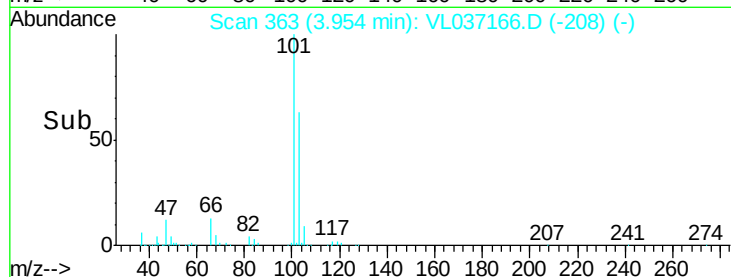
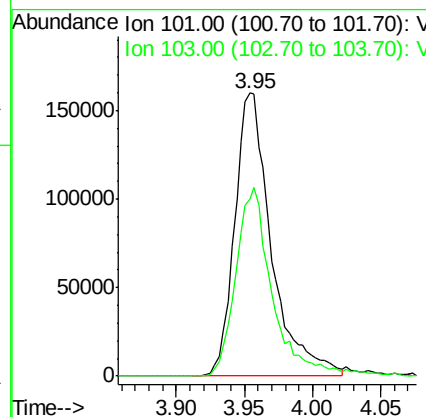
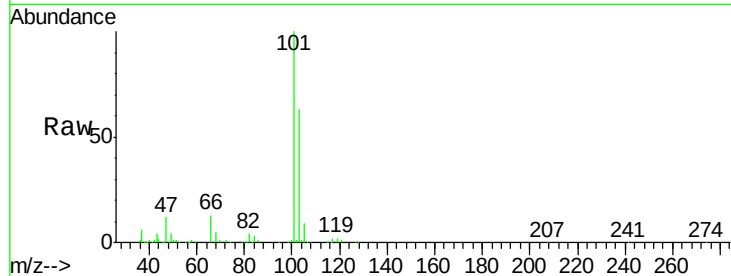
#11
 Trichlorofluoromethane
 Concen: 1.070 ppbv
 RT: 3.95 min Scan# 363
 Delta R.T. -0.00 min
 Lab File: VL037166.D
 Acq: 16 Jun 2021 10:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
101	100	299204		
103	62.5	52.2	78.4	

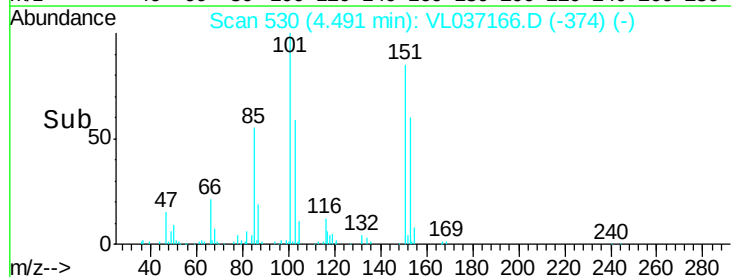
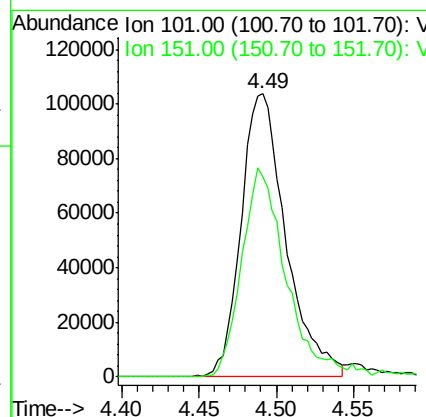
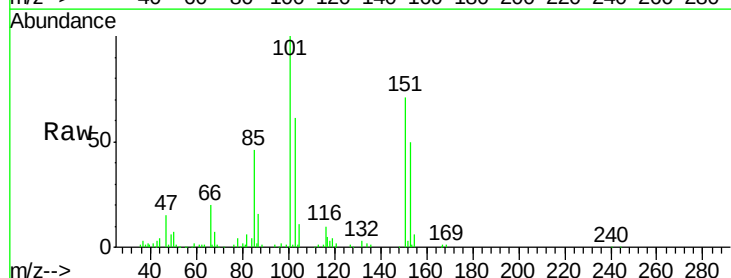
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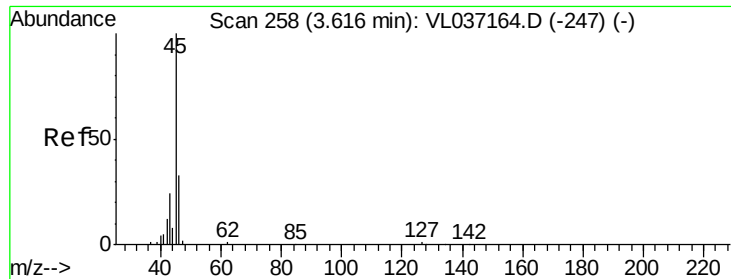
MMDadoda
 6/17/2021 5:37:17 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.089 ppbv
 RT: 4.49 min Scan# 530
 Delta R.T. 0.00 min
 Lab File: VL037166.D
 Acq: 16 Jun 2021 10:42

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	208929		
151	75.2	59.1	88.7	





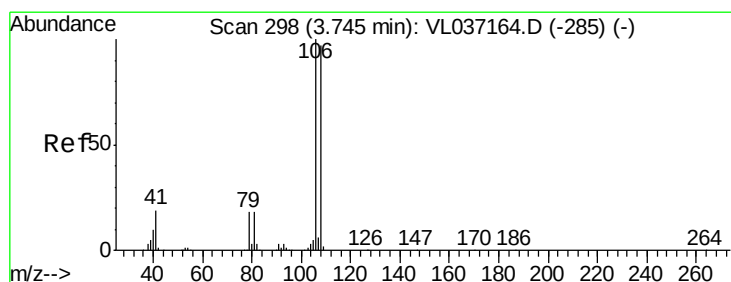
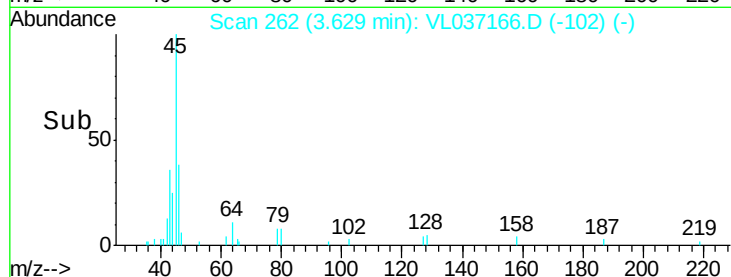
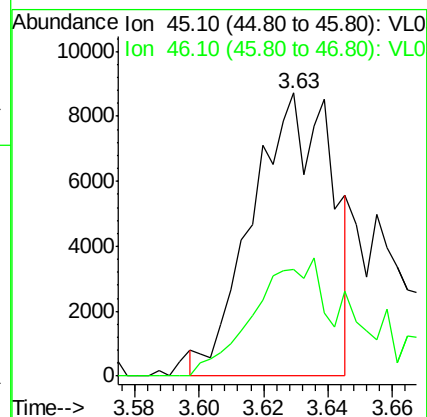
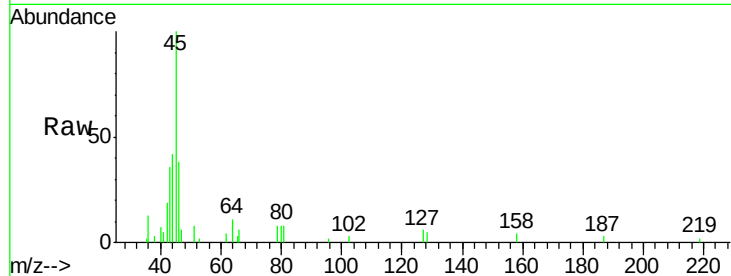
#13
Ethanol
Concen: 1.134 ppbv m
RT: 3.63 min Scan# 262
Delta R.T. 0.01 min
Lab File: VL037166.D
Acq: 16 Jun 2021 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion: 45 Resp: 15008
Ion Ratio Lower Upper
45 100
46 0.0 34.2 137.0#

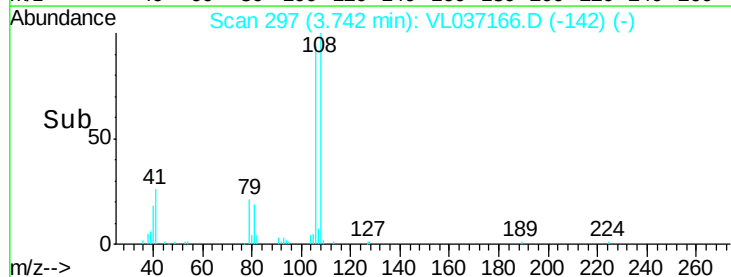
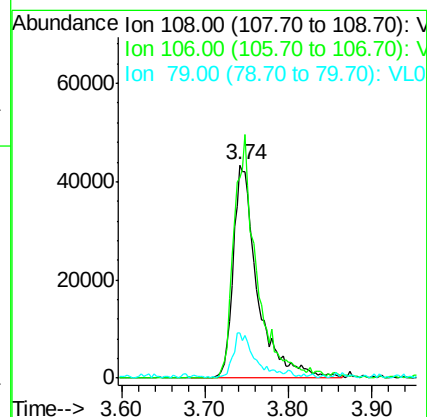
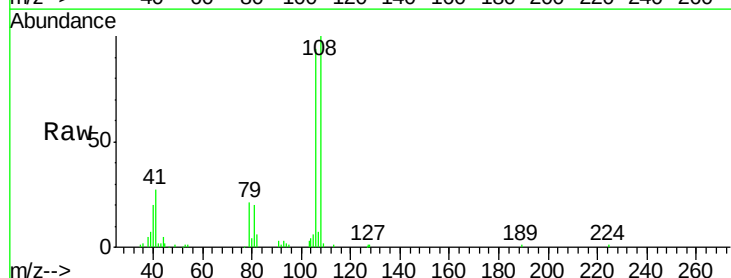
Manual Integrations
APPROVED

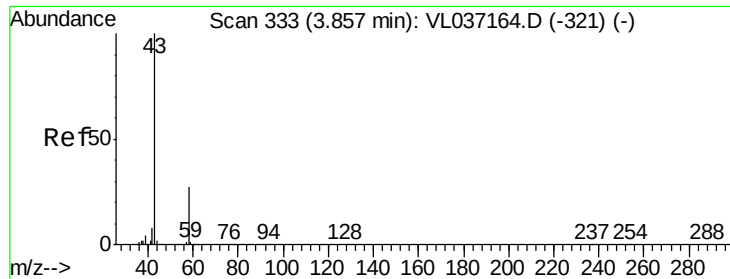
MMDadoda
6/17/2021 5:37:17 PM



#14
Bromoethene
Concen: 1.066 ppbv m
RT: 3.74 min Scan# 297
Delta R.T. -0.00 min
Lab File: VL037166.D
Acq: 16 Jun 2021 10:42

Tgt Ion: 108 Resp: 88541
Ion Ratio Lower Upper
108 100
106 109.3 86.8 130.2
79 21.0 15.6 23.4





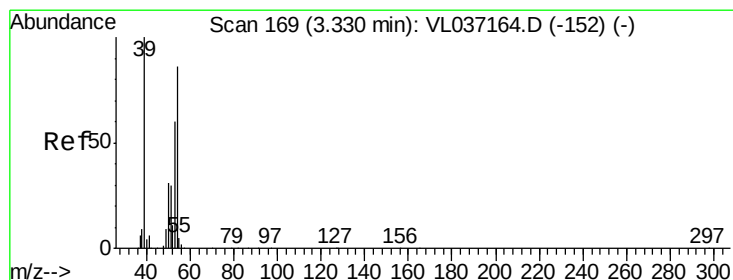
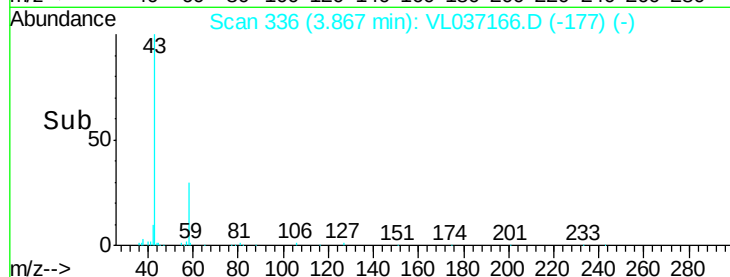
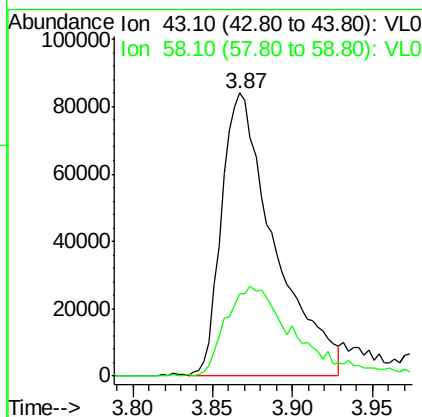
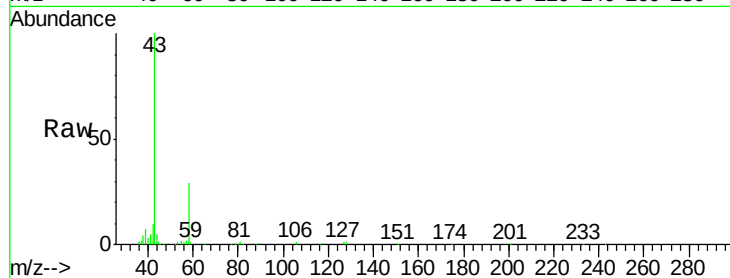
#15
Acetone
Concen: 1.024 ppbv
RT: 3.87 min Scan# 336
Delta R.T. 0.01 min
Lab File: VL037166.D
Acq: 16 Jun 2021 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	43	Resp	189615
Ion Ratio	100	Lower	Upper
58	42.1	23.7	35.5#

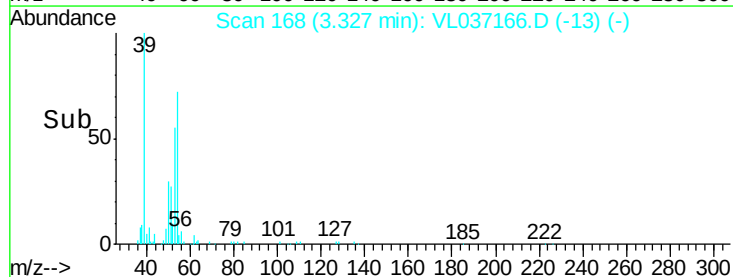
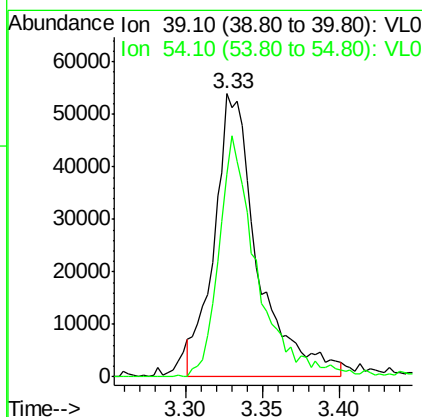
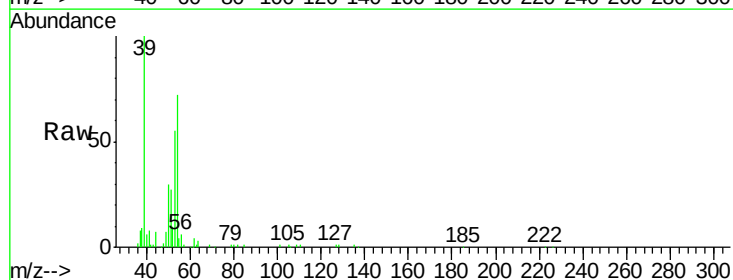
Manual Integrations
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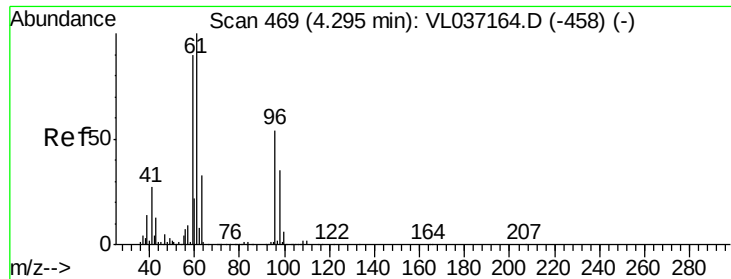
MMDadoda
6/17/2021 5:37:17 PM



#16
1,3-Butadiene
Concen: 1.068 ppbv m
RT: 3.33 min Scan# 168
Delta R.T. -0.00 min
Lab File: VL037166.D
Acq: 16 Jun 2021 10:42

Tgt Ion	39	Resp	106816
Ion Ratio	100	Lower	Upper
54	76.3	61.2	91.8





#17

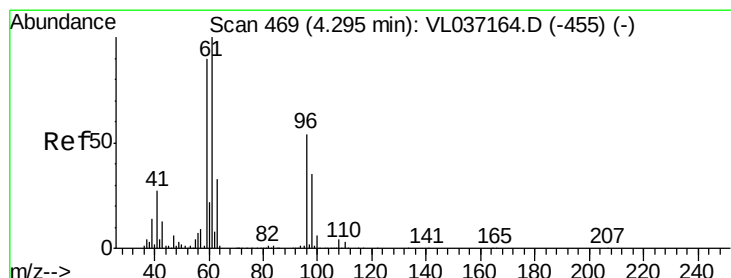
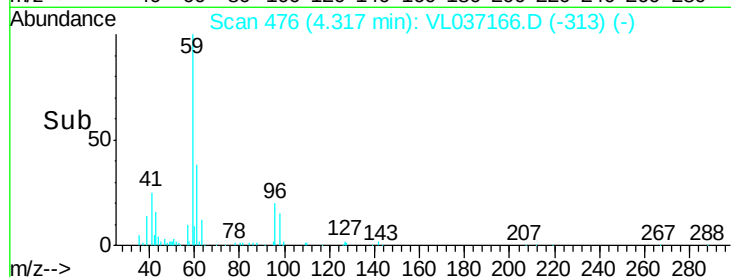
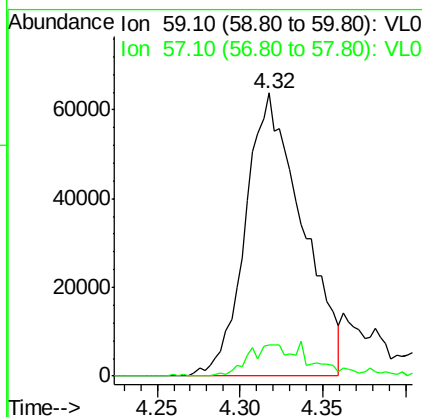
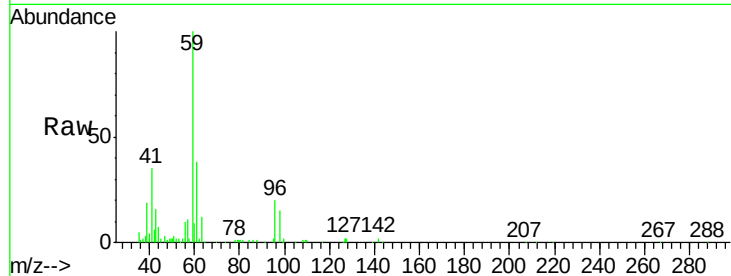
tert-Butyl alcohol
Concen: 0.944 ppbv
RT: 4.32 min Scan# 476
Delta R.T. 0.02 min
Lab File: VL037166.D
Acq: 16 Jun 2021 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
59	100		
57	13.3	8.8	13.2#

Manual Integrations
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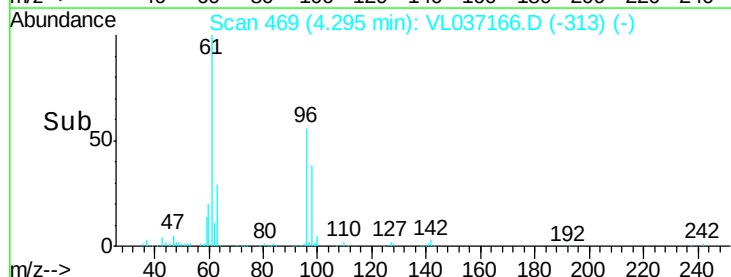
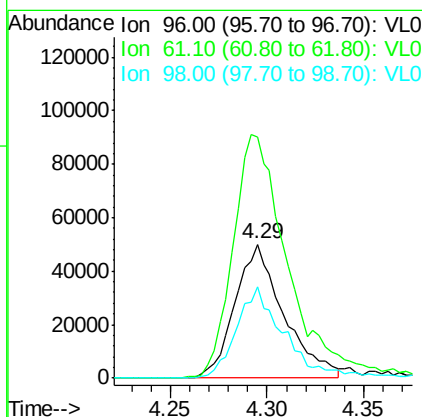
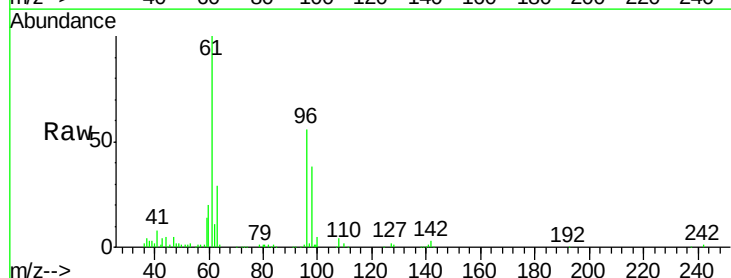
MMDadoda
6/17/2021 5:37:17 PM

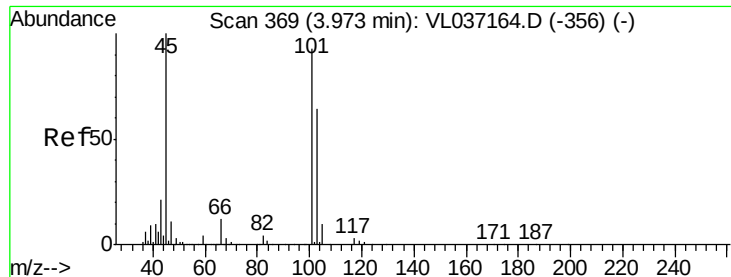


#18

1,1-Dichloroethene
Concen: 1.010 ppbv
RT: 4.29 min Scan# 469
Delta R.T. 0.00 min
Lab File: VL037166.D
Acq: 16 Jun 2021 10:42

Tgt Ion	Ratio	Lower	Upper
96	100		
61	178.5	148.6	222.8
98	68.1	51.9	77.9





#19

Isopropyl Alcohol

Concen: 1.147 ppbv m

RT: 3.99 min Scan# 374

Delta R.T. 0.02 min

Lab File: VL037166.D

Acq: 16 Jun 2021 10:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 45 Resp: 116581

Ion Ratio Lower Upper

45 100

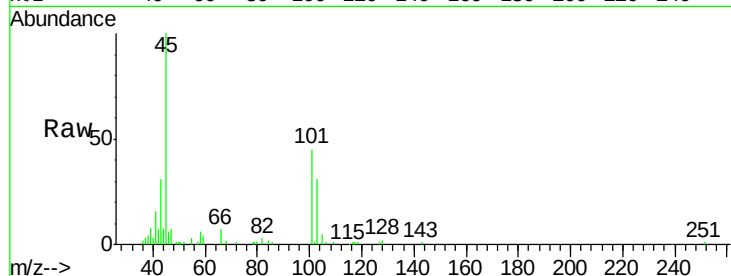
58 5.8 2.4 3.6#

Manual Integrations

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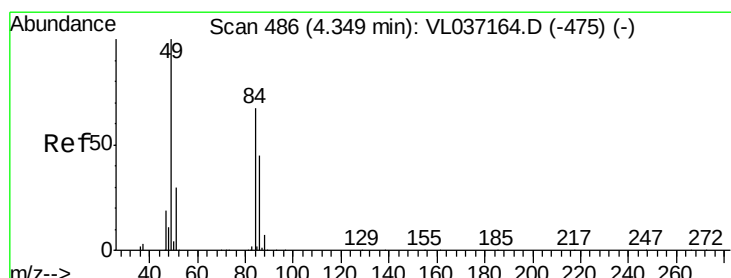
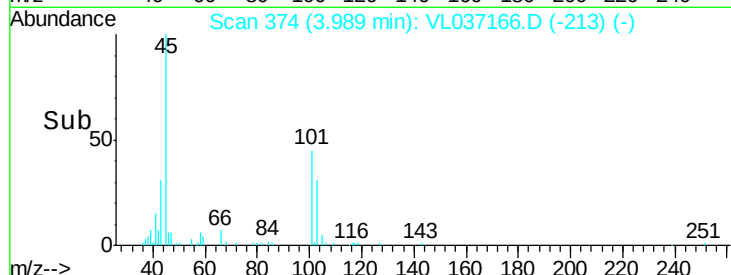
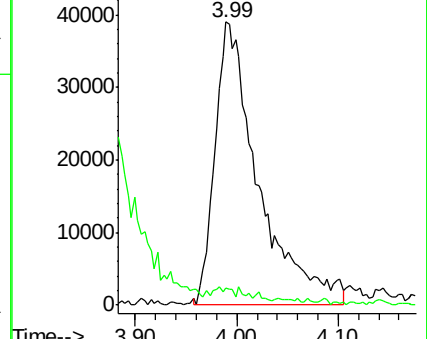
MMDadoda

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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 1.531 ppbv m

RT: 4.35 min Scan# 487

Delta R.T. 0.00 min

Lab File: VL037166.D

Acq: 16 Jun 2021 10:42

Tgt Ion: 84 Resp: 123626

Ion Ratio Lower Upper

84 100

49 152.5 119.7 179.5

51 46.7 36.1 54.1

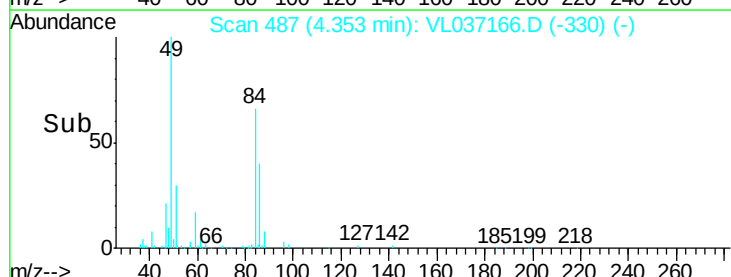
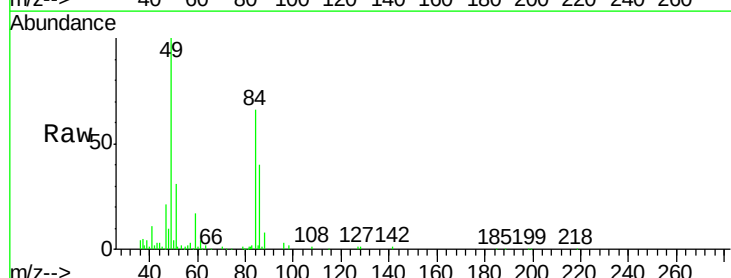
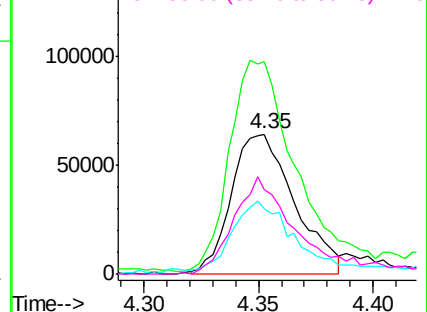
86 61.0 53.7 80.5

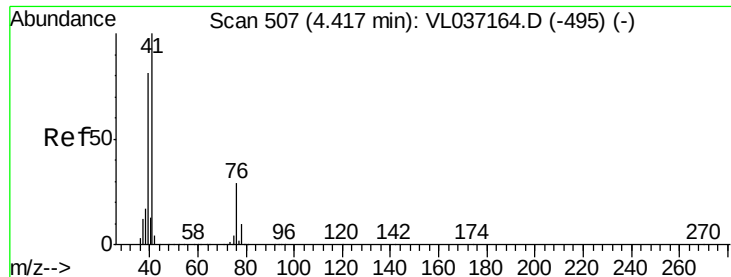
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0





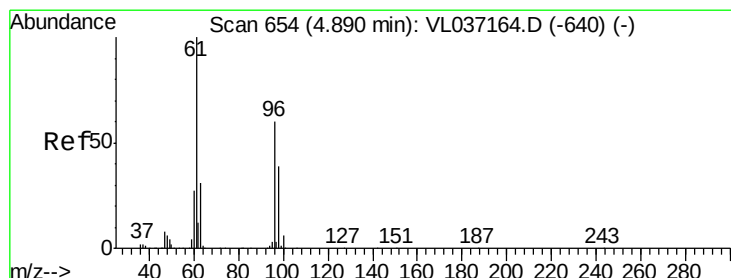
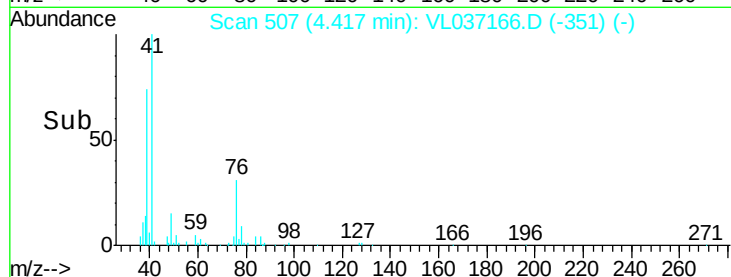
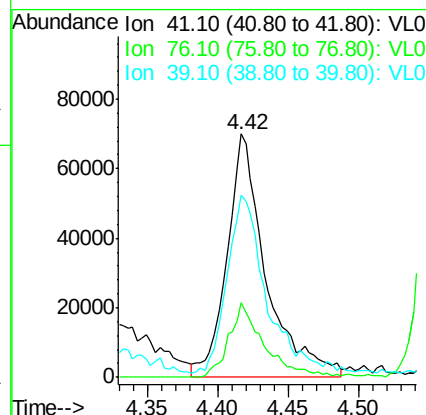
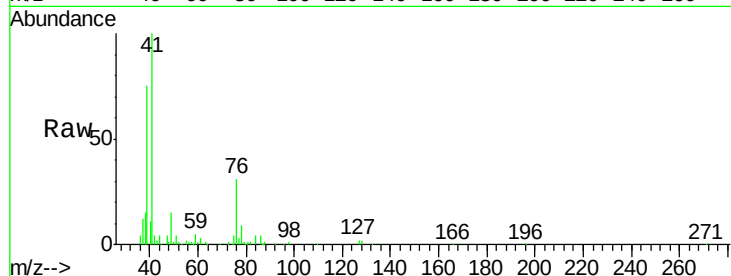
#21
Allvl Chloride
Concen: 1.094 ppbv m
RT: 4.42 min Scan# 507
Delta R.T. 0.00 min
Lab File: VL037166.D
Acq: 16 Jun 2021 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
76	28.3	24.6	37.0
39	78.2	65.4	98.0

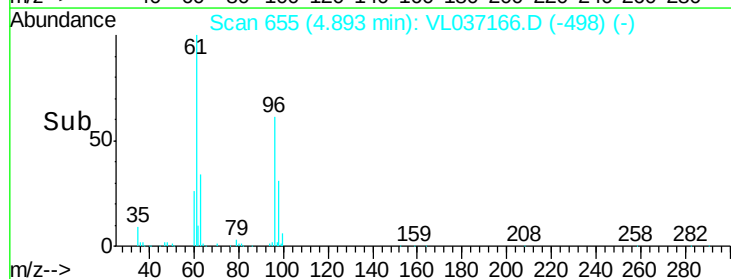
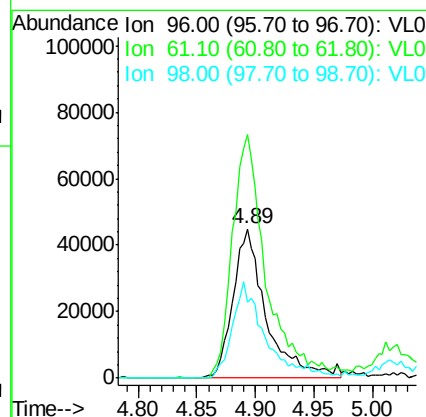
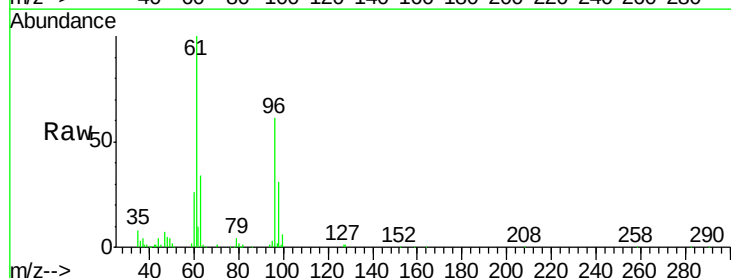
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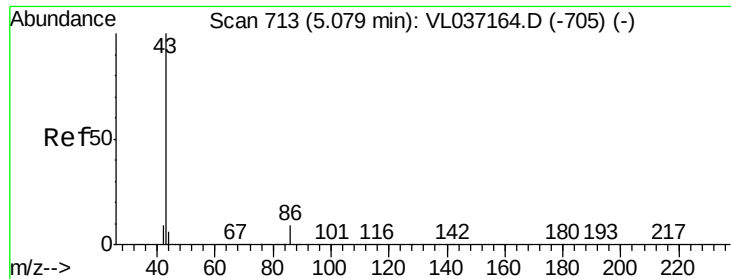
MMDadoda
6/17/2021 5:37:17 PM



#22
trans-1,2-Dichloroethene
Concen: 1.064 ppbv m
RT: 4.89 min Scan# 655
Delta R.T. 0.00 min
Lab File: VL037166.D
Acq: 16 Jun 2021 10:42

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.2	133.9	200.9
98	51.2	52.9	79.3#





#23

Vinyl Acetate

Concen: 1.070 ppbv m

RT: 5.08 min Scan# 714

Delta R.T. 0.00 min

Lab File: VL037166.D

Acq: 16 Jun 2021 10:42

Instrument :

MSVOA_L

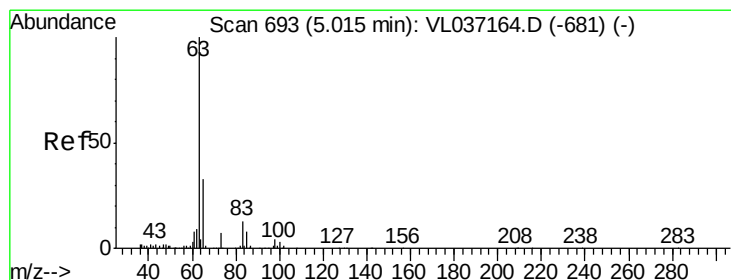
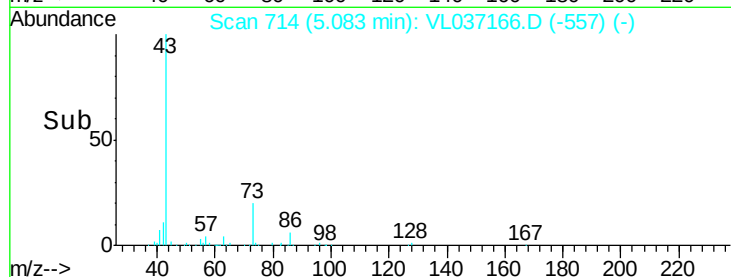
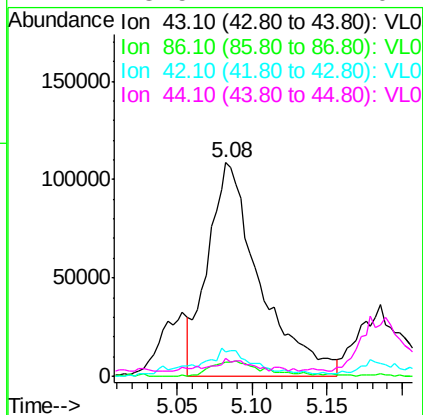
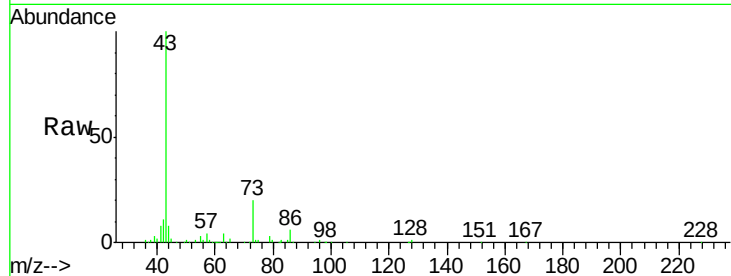
ClientSampleId :

VSTDIC001

Tot Ion	43	Resp	260309
Ion Ratio	Lower	Upper	
43	100		
86	6.4	5.8	8.8
42	11.3	8.2	12.2
44	8.5	4.2	6.4

Manual Integrations
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6/17/2021 5:37:17 PM



#24

1,1-Dichloroethane

Concen: 1.033 ppbv

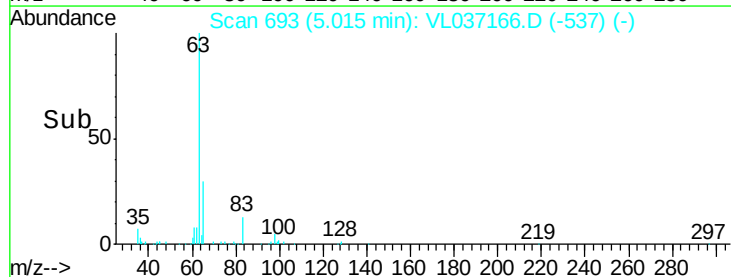
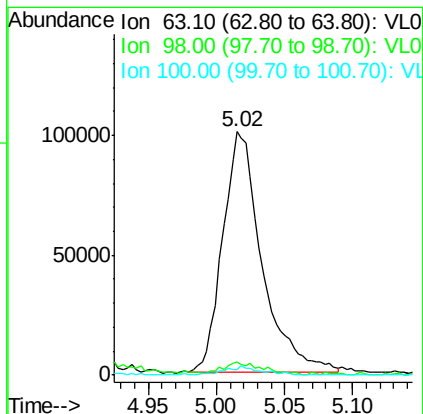
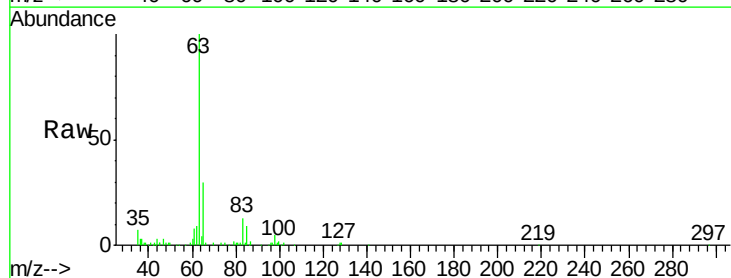
RT: 5.02 min Scan# 693

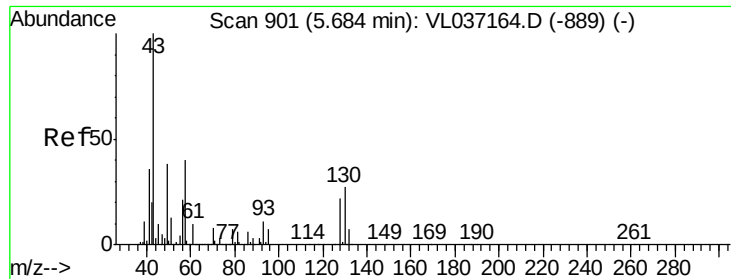
Delta R.T. 0.00 min

Lab File: VL037166.D

Acq: 16 Jun 2021 10:42

Tgt Ion	63	Resp	201674
Ion Ratio	Lower	Upper	
63	100		
98	4.6	2.1	6.5
100	2.3	1.4	4.0





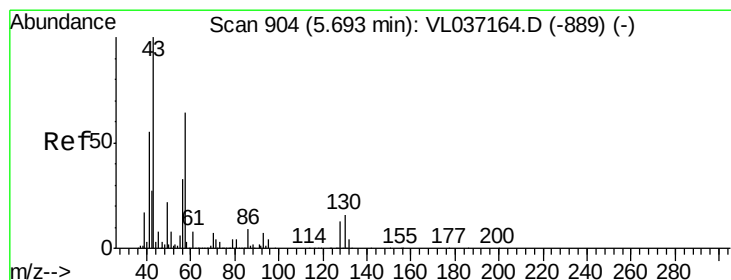
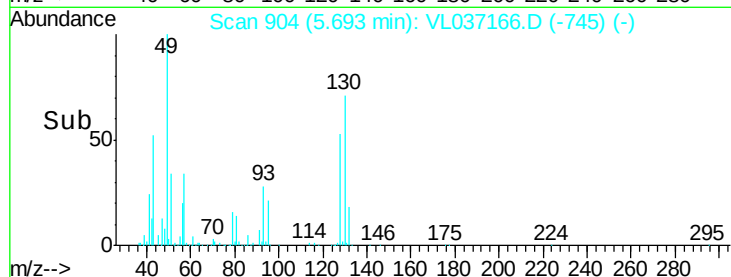
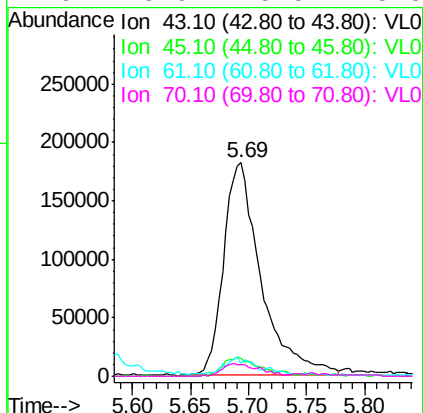
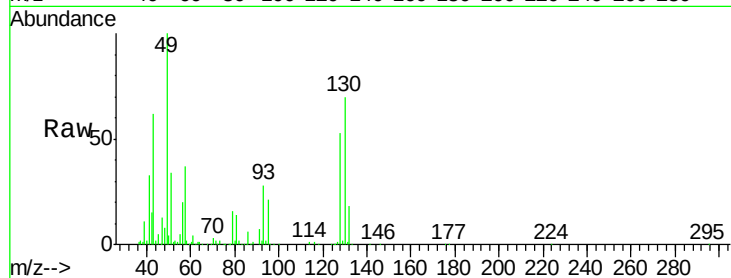
#25
Ethyl Acetate
Concen: 1.123 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.01 min
Lab File: VL037166.D
Acq: 16 Jun 2021 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	43	Resp	407529
Ion Ratio	Lower	Upper	
43	100		
45	9.4	8.0	12.0
61	9.9	8.1	12.1
70	5.9	5.5	8.3

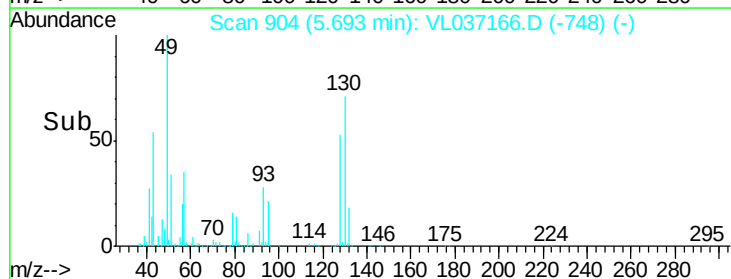
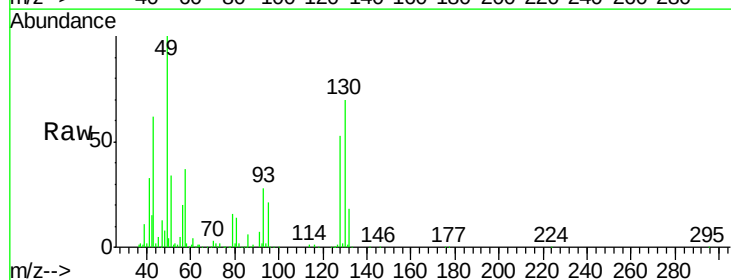
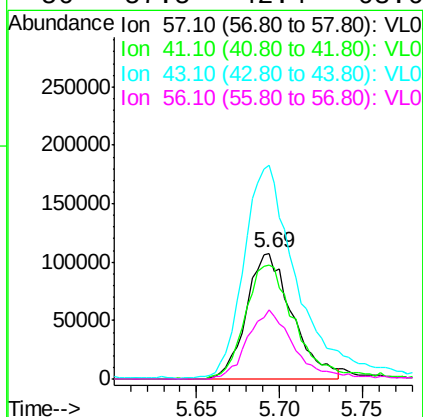
Manual Integrations
APPROVED

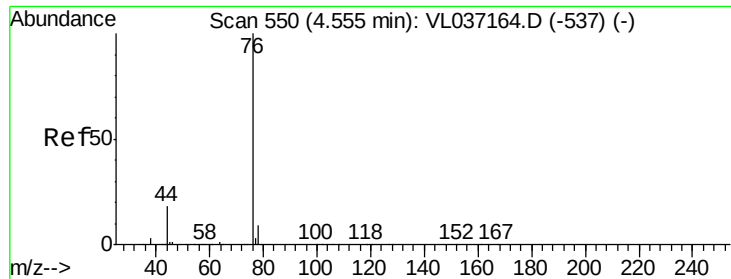
MMDadoda
6/17/2021 5:37:17 PM



#26
Hexane
Concen: 1.145 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.00 min
Lab File: VL037166.D
Acq: 16 Jun 2021 10:42

Tgt Ion	57	Resp	206647
Ion Ratio	Lower	Upper	
57	100		
41	100.8	73.5	110.3
43	203.1	170.7	256.1
56	57.5	42.4	63.6





#27

Carbon Disulfide

Concen: 0.957 ppbv

RT: 4.56 min Scan# 551

Delta R.T. 0.00 min

Lab File: VL037166.D

Acq: 16 Jun 2021 10:42

Instrument :

MSVOA_L

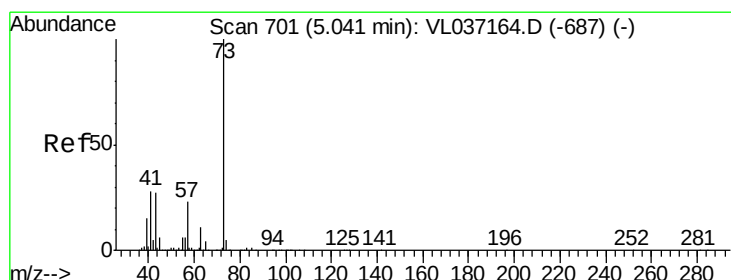
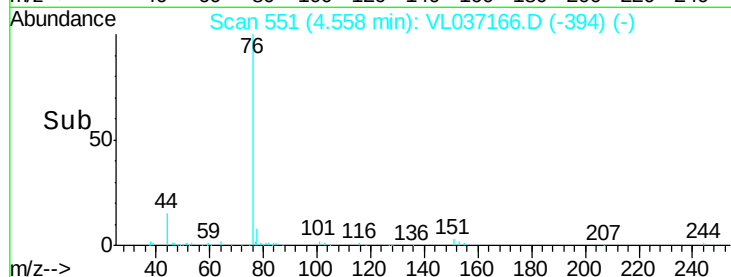
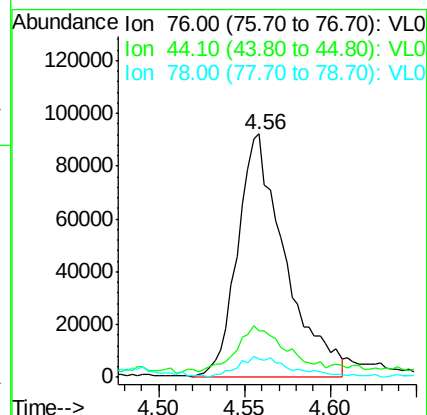
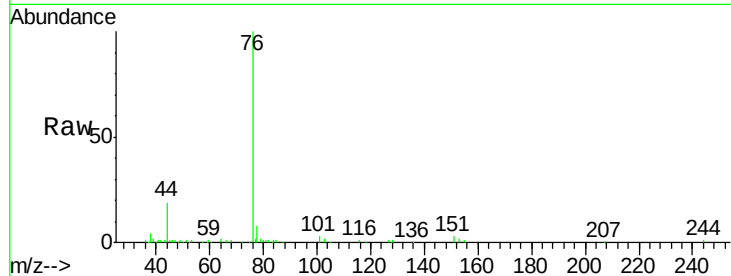
ClientSampleId :

VSTDIC001

Tot Ion:	76	Resp:	175157
Ion	Ratio	Lower	Upper
76	100		
44	22.3	15.4	23.2
78	10.4	8.0	12.0

Manual Integrations
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6/17/2021 5:37:17 PM



#28

Methyl tert-Butyl Ether

Concen: 1.068 ppbv

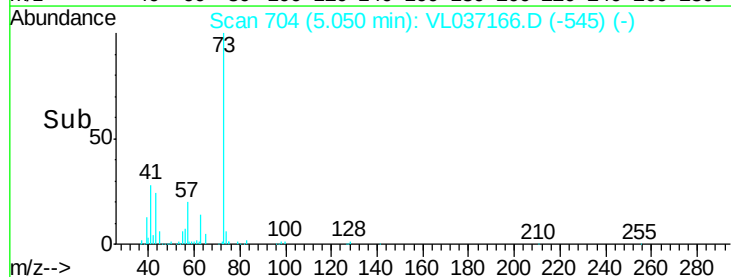
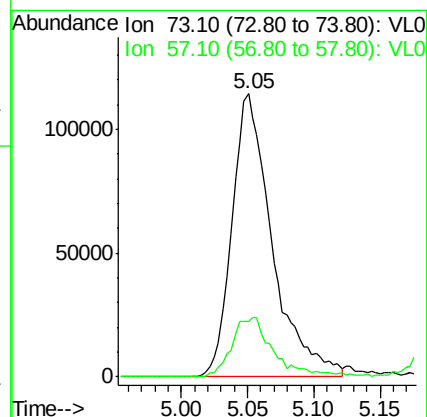
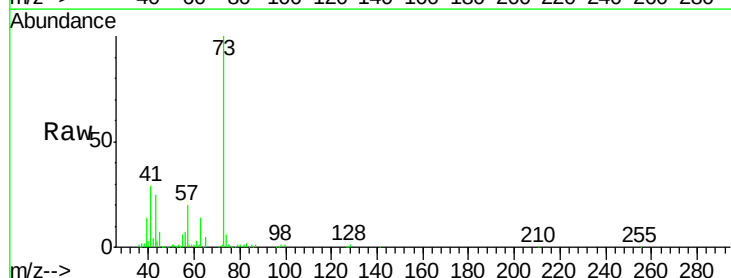
RT: 5.05 min Scan# 704

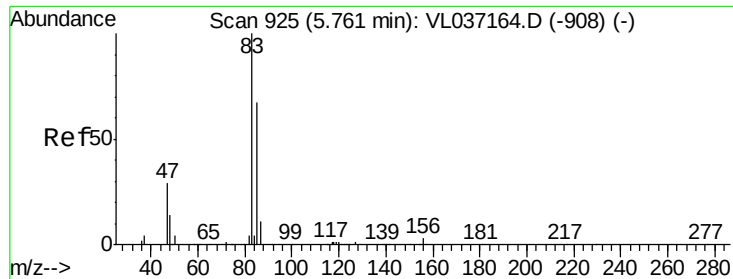
Delta R.T. 0.01 min

Lab File: VL037166.D

Acq: 16 Jun 2021 10:42

Tgt Ion:	73	Resp:	241517
Ion	Ratio	Lower	Upper
73	100		
57	22.1	18.0	27.0





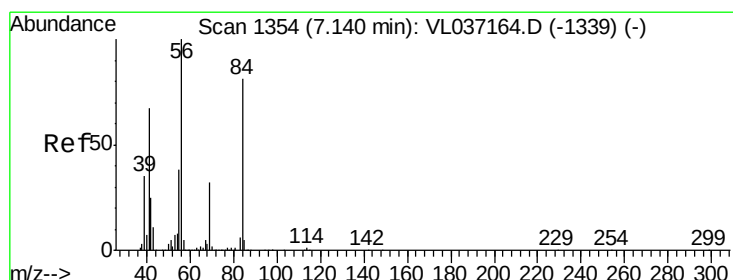
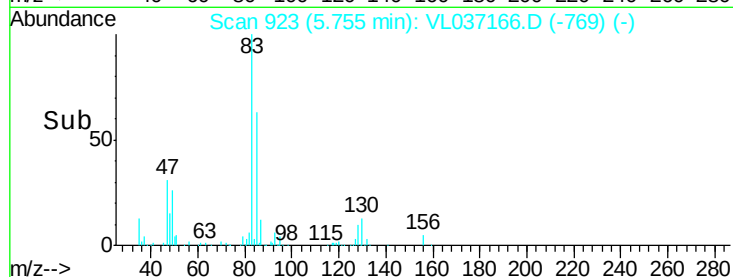
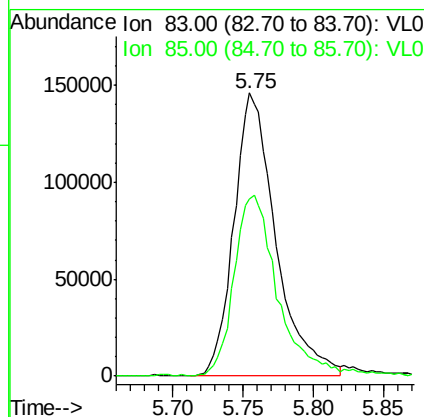
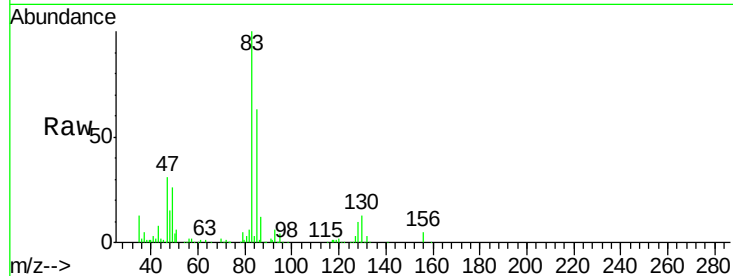
#29
Chloroform
Concen: 1.045 ppbv
RT: 5.75 min Scan# 923
Delta R.T. -0.01 min
Lab File: VL037166.D
Acq: 16 Jun 2021 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	83	Resp	304674
Ion Ratio	Lower	Upper	
83	100		
85	62.3	53.6	80.4

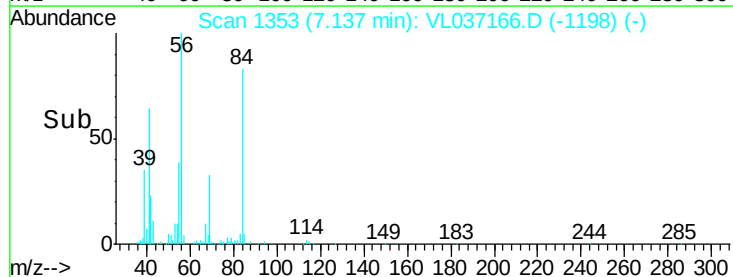
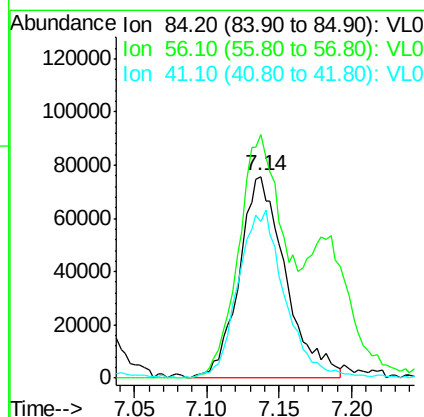
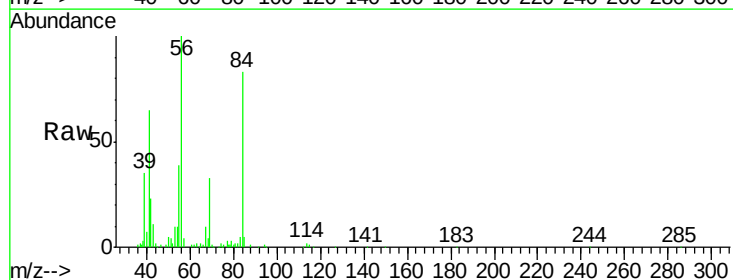
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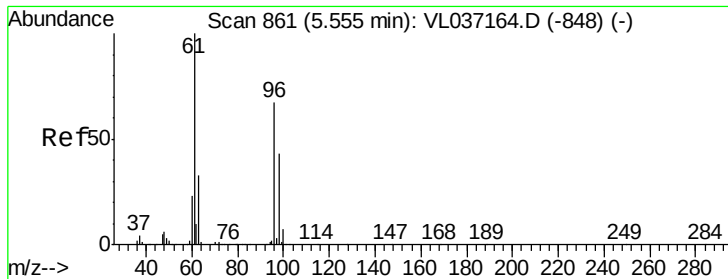
MMDadoda
6/17/2021 5:37:17 PM



#30
Cyclohexane
Concen: 1.067 ppbv
RT: 7.14 min Scan# 1353
Delta R.T. -0.00 min
Lab File: VL037166.D
Acq: 16 Jun 2021 10:42

Tgt Ion	84	Resp	167905
Ion Ratio	Lower	Upper	
84	100		
56	121.7	107.7	161.5
41	84.5	69.0	103.6





#31

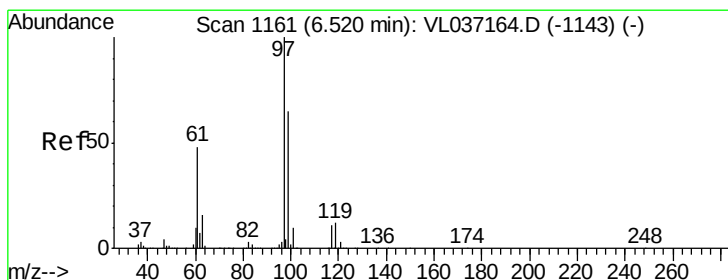
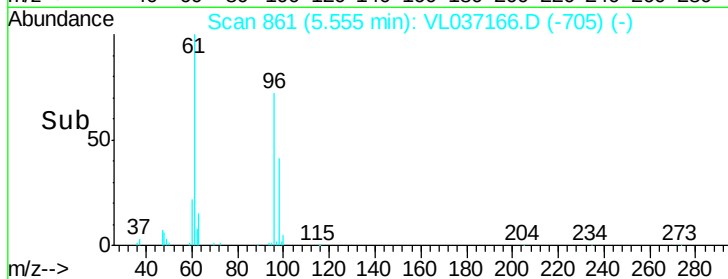
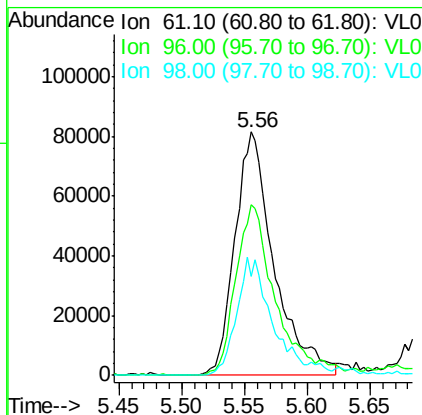
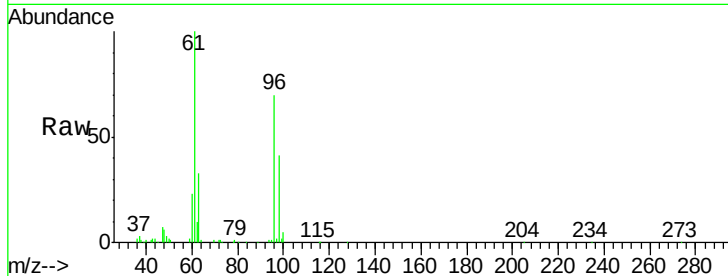
cis-1,2-Dichloroethene
Concen: 1.020 ppbv m
RT: 5.56 min Scan# 861
Delta R.T. 0.00 min
Lab File: VL037166.D
Acq: 16 Jun 2021 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
61	100		
96	70.3	53.6	80.4
98	40.7	34.7	52.1

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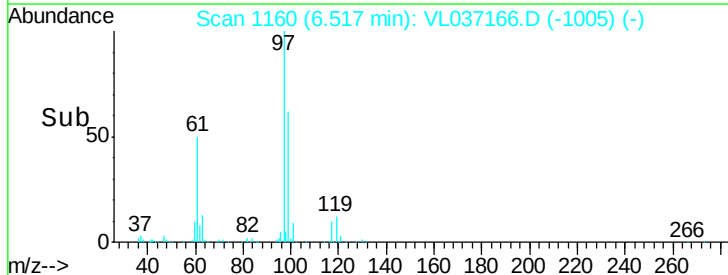
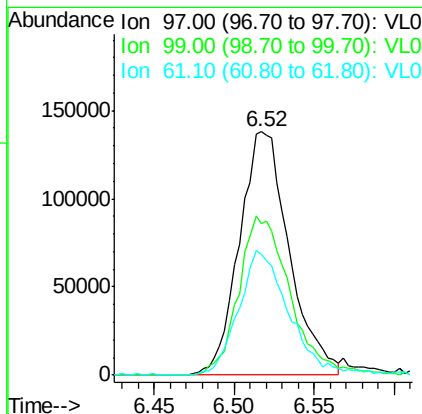
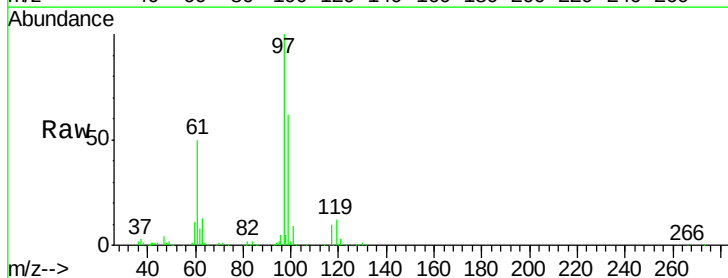
MMDadoda
6/17/2021 5:37:17 PM

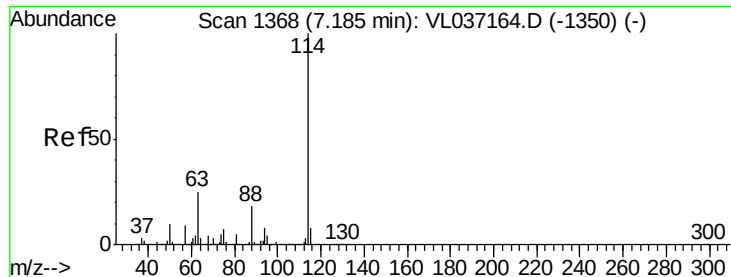


#32

1,1,1-Trichloroethane
Concen: 1.101 ppbv
RT: 6.52 min Scan# 1160
Delta R.T. -0.00 min
Lab File: VL037166.D
Acq: 16 Jun 2021 10:42

Tgt Ion	Ratio	Lower	Upper
97	100		
99	67.5	52.2	78.4
61	52.6	38.8	58.2





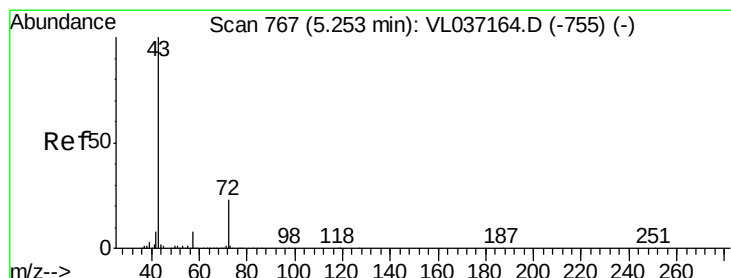
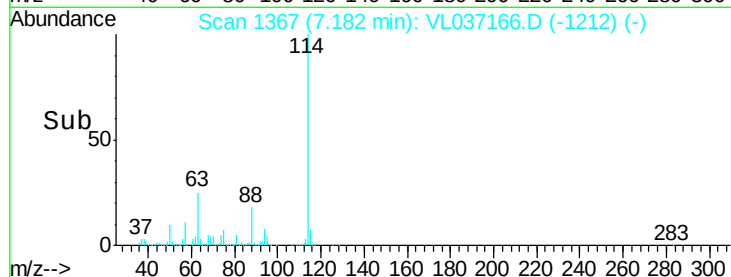
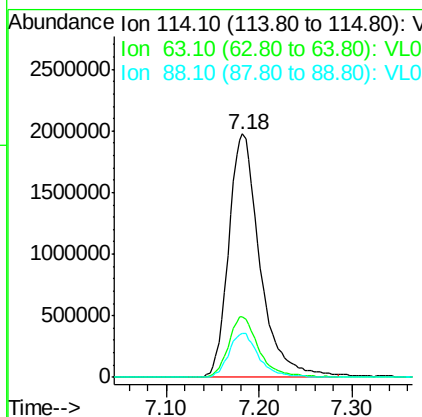
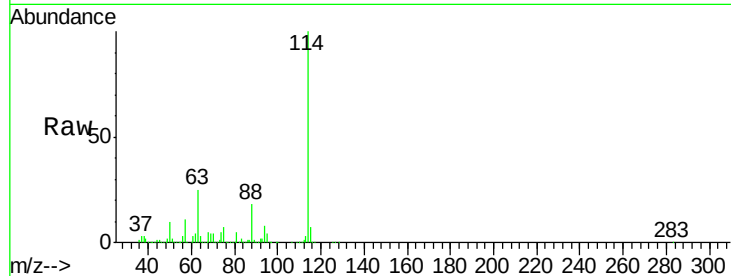
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. -0.00 min
 Lab File: VL037166.D
 Acq: 16 Jun 2021 10:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion:114 Resp: 4615895
 Ion Ratio Lower Upper
 114 100
 63 24.4 19.6 29.4
 88 17.7 14.2 21.2

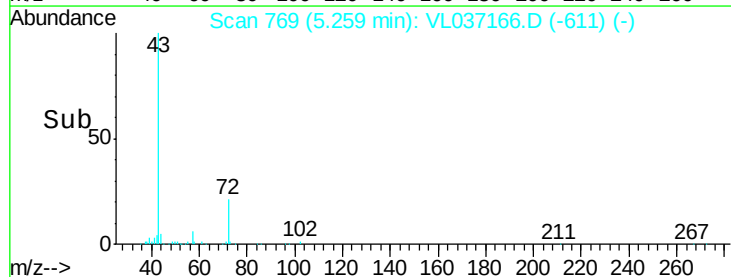
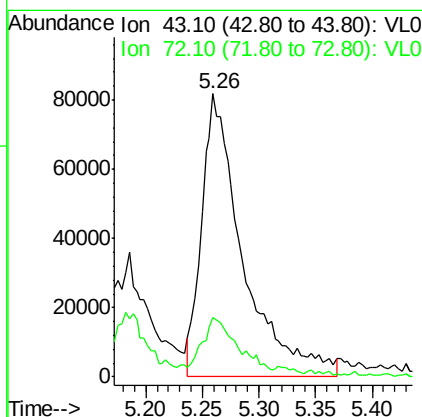
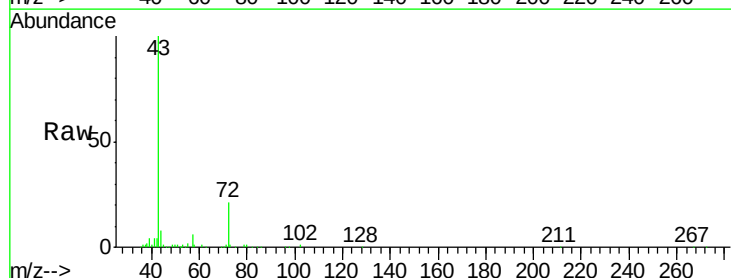
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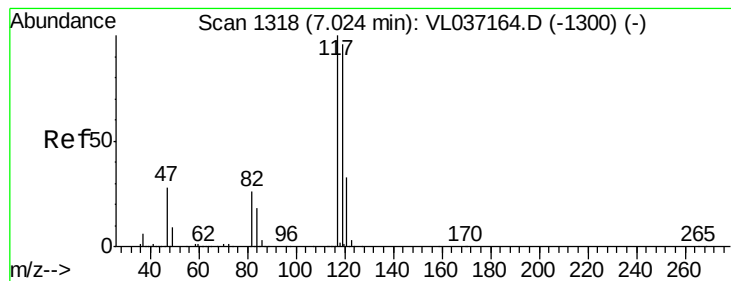
MMDadoda
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#34
 2-Butanone
 Concen: 1.193 ppbv m
 RT: 5.26 min Scan# 769
 Delta R.T. 0.01 min
 Lab File: VL037166.D
 Acq: 16 Jun 2021 10:42

Tgt Ion: 43 Resp: 206901
 Ion Ratio Lower Upper
 43 100
 72 22.3 18.9 28.3





#35

Carbon Tetrachloride

Concen: 1.099 ppbv

RT: 7.02 min Scan# 1318

Delta R.T. 0.00 min

Lab File: VL037166.D

Acq: 16 Jun 2021 10:42

Instrument :

MSVOA_L

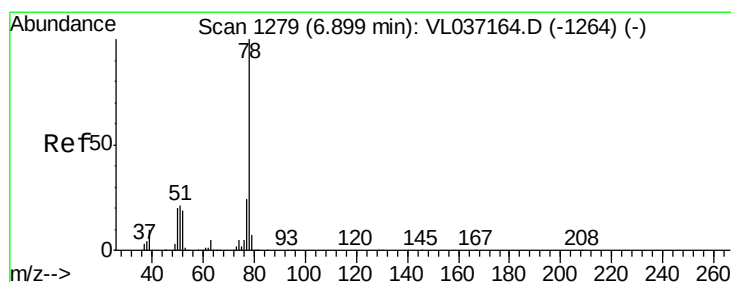
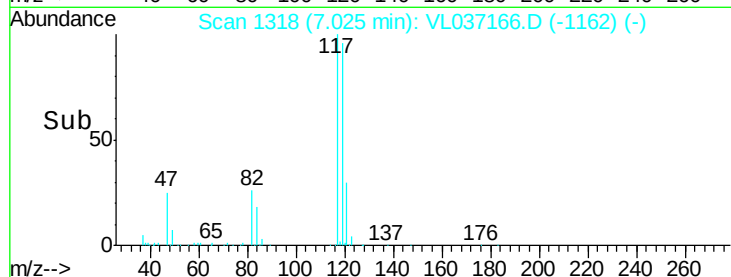
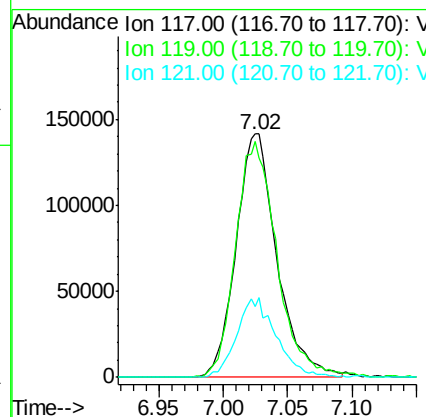
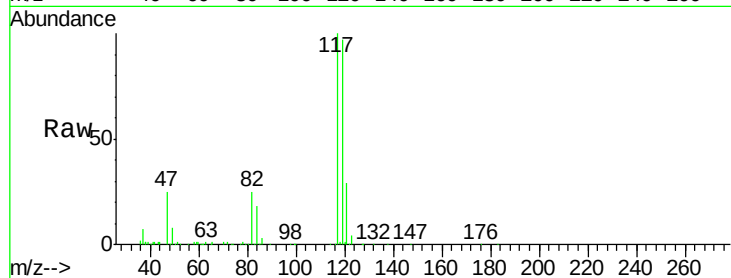
ClientSampleId :

VSTDIC001

Tot Ion:	117	Resp:	311901
Ion Ratio	Lower	Upper	
117	100		
119	97.0	76.6	114.8
121	29.2	26.4	39.6

Manual Integrations
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6/17/2021 5:37:17 PM



#36

Benzene

Concen: 1.039 ppbv

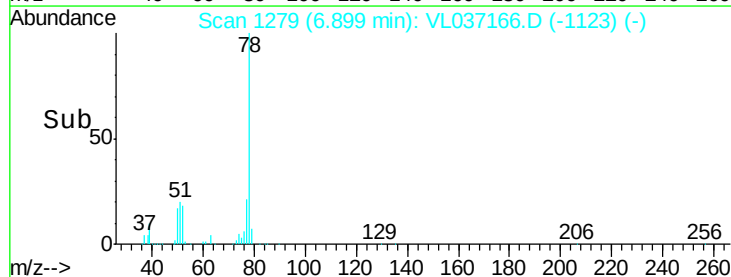
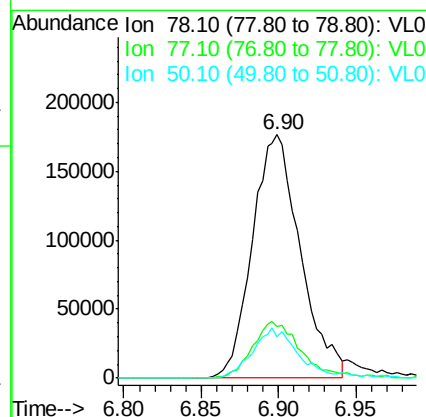
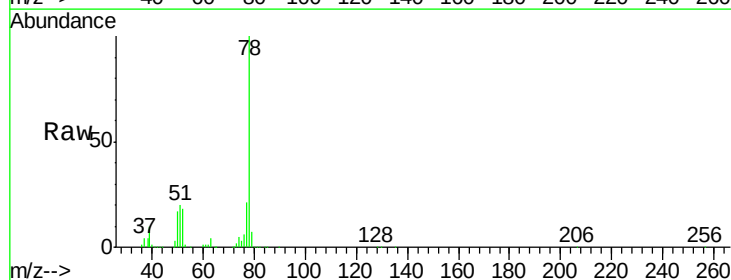
RT: 6.90 min Scan# 1279

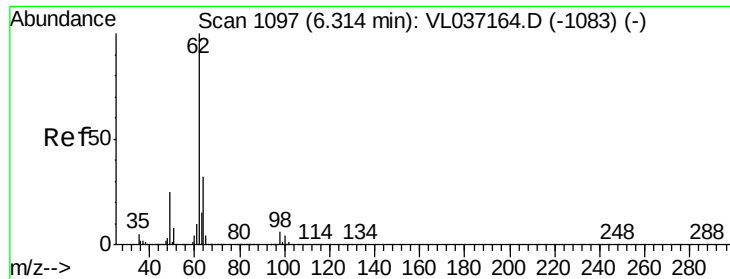
Delta R.T. 0.00 min

Lab File: VL037166.D

Acq: 16 Jun 2021 10:42

Tgt Ion:	78	Resp:	380444
Ion Ratio	Lower	Upper	
78	100		
77	21.4	19.0	28.6
50	17.2	15.7	23.5





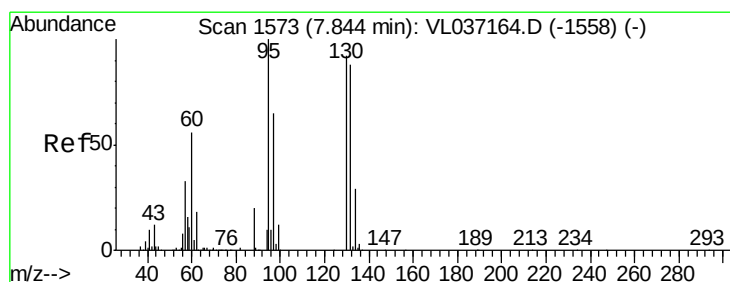
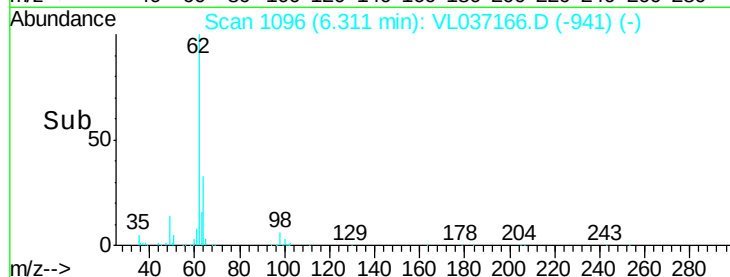
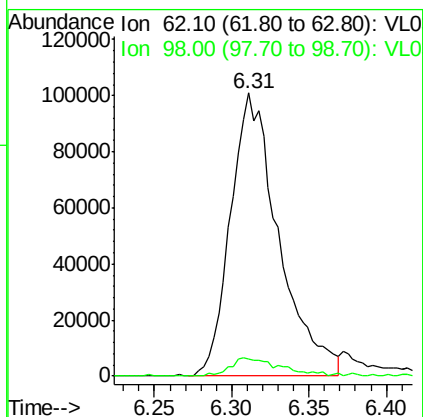
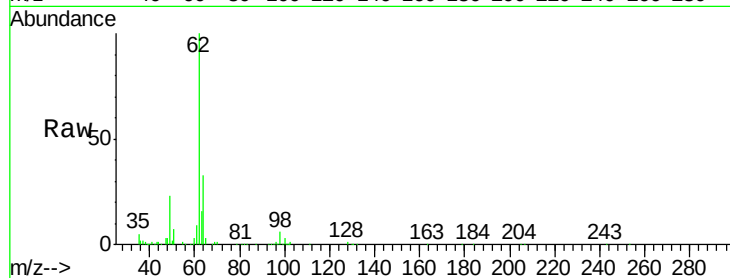
#37
 1,2-Dichloroethane
 Concen: 1.024 ppbv
 RT: 6.31 min Scan# 1096
 Delta R.T. -0.00 min
 Lab File: VL037166.D
 Acq: 16 Jun 2021 10:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
62	100		
98	6.9	5.0	7.6

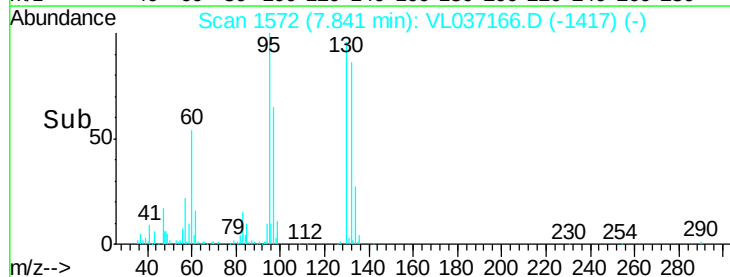
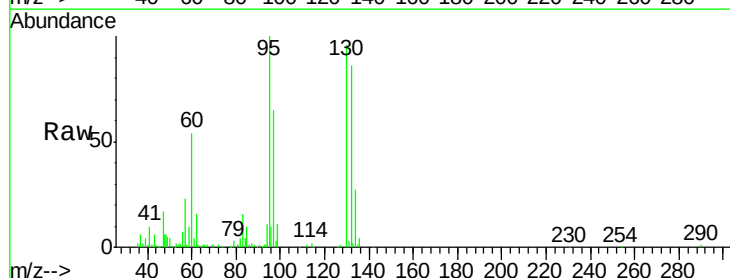
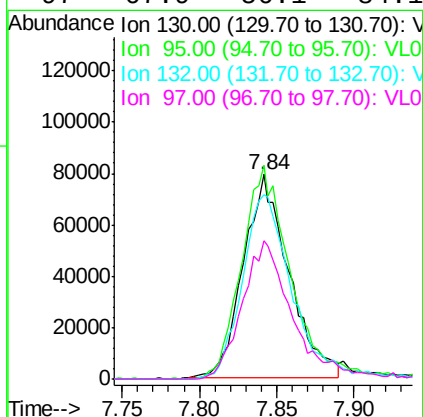
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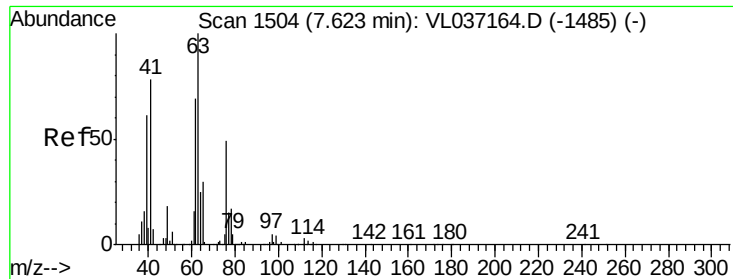
MMDadoda
 6/17/2021 5:37:17 PM



#38
 Trichloroethene
 Concen: 1.027 ppbv
 RT: 7.84 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VL037166.D
 Acq: 16 Jun 2021 10:42

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.0	86.6	129.8
132	90.7	76.6	114.8
97	67.9	56.1	84.1





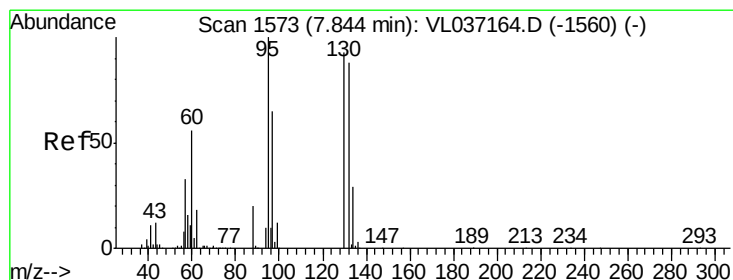
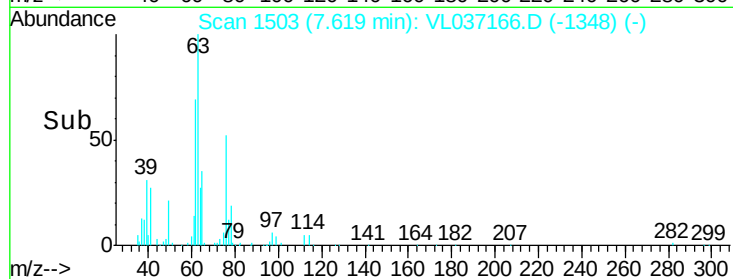
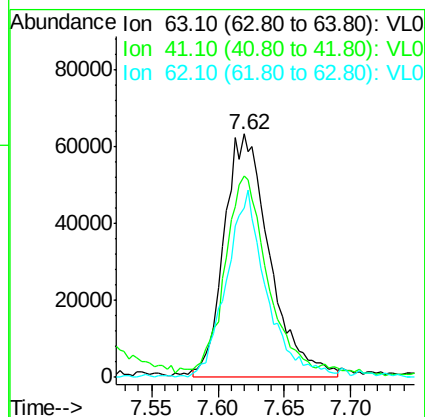
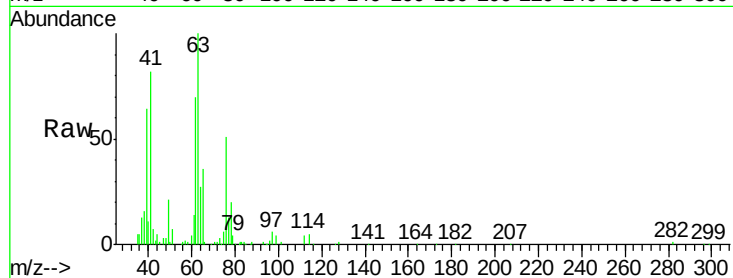
#39
 1,2-Dichloropropane
 Concen: 1.082 ppbv m
 RT: 7.62 min Scan# 1503
 Delta R.T. -0.00 min
 Lab File: VL037166.D
 Acq: 16 Jun 2021 10:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
63	100		
41	82.5	62.0	93.0
62	69.5	54.9	82.3

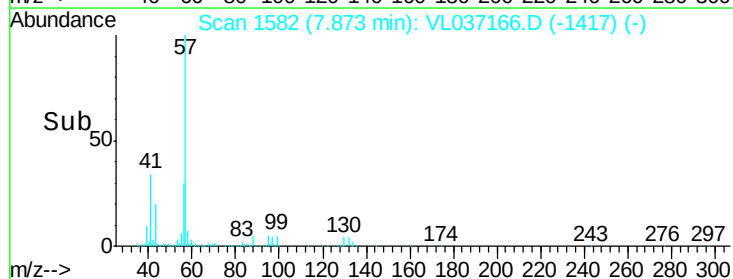
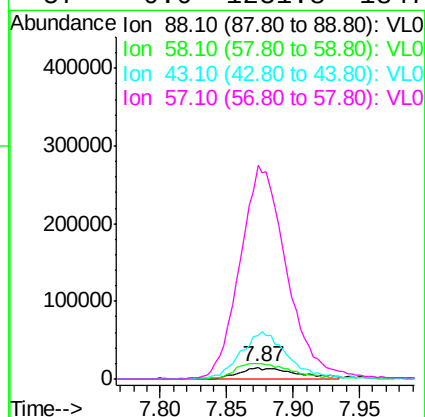
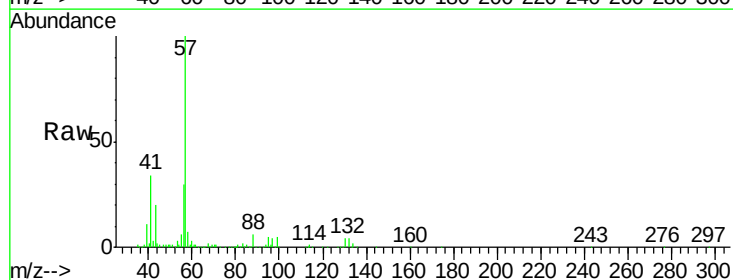
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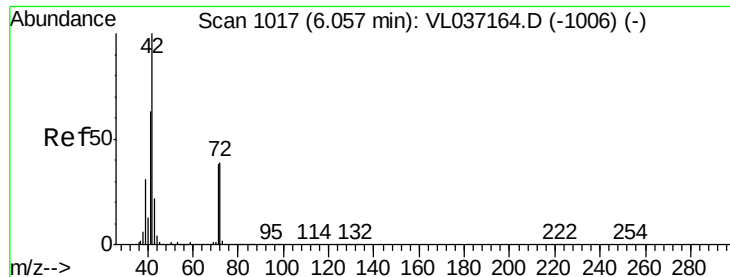
MMDadoda
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#40
 1,4-Dioxane
 Concen: 1.111 ppbv m
 RT: 7.87 min Scan# 1582
 Delta R.T. 0.03 min
 Lab File: VL037166.D
 Acq: 16 Jun 2021 10:42

Tgt Ion	Ratio	Lower	Upper
88	100		
58	0.0	118.4	177.6#
43	0.0	284.0	426.0#
57	0.0	1231.8	1847.6#





#41

Tetrahydrofuran

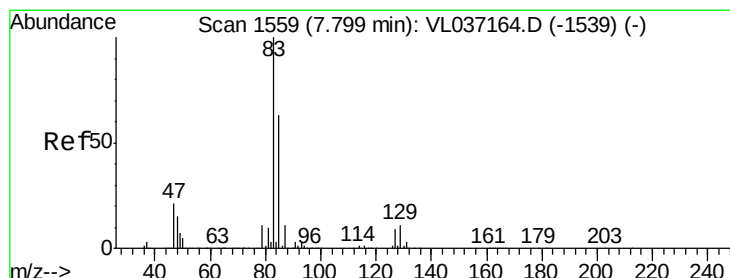
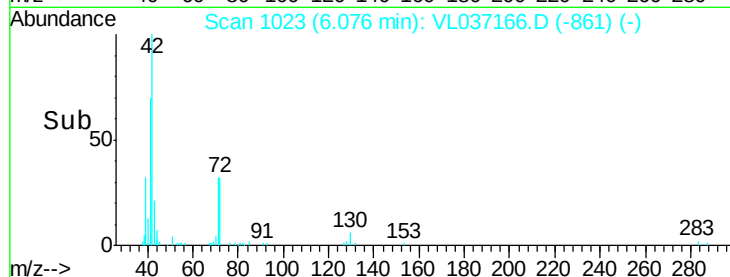
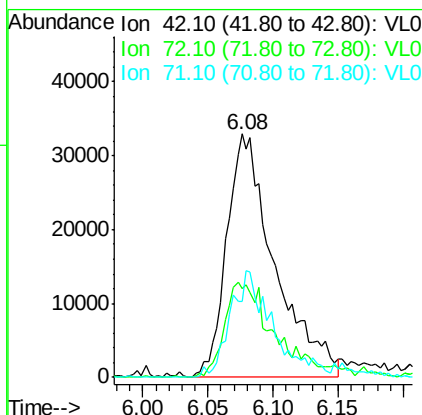
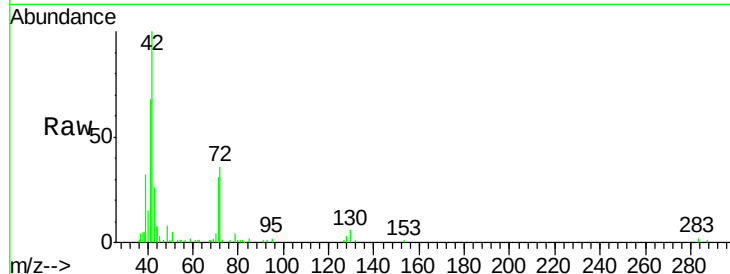
Concen: 1.000 ppbv m
RT: 6.08 min Scan# 1023
Delta R.T. 0.02 min
Lab File: VL037166.D
Acq: 16 Jun 2021 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.6	33.0	49.4
71	38.4	31.0	46.6

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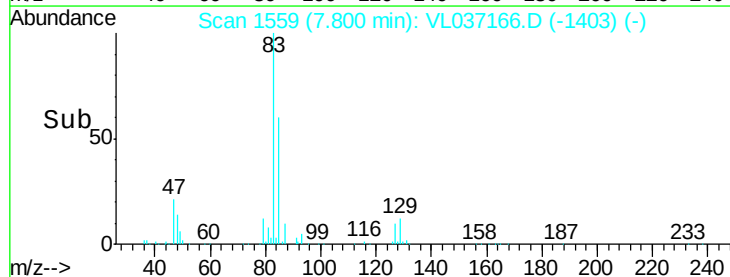
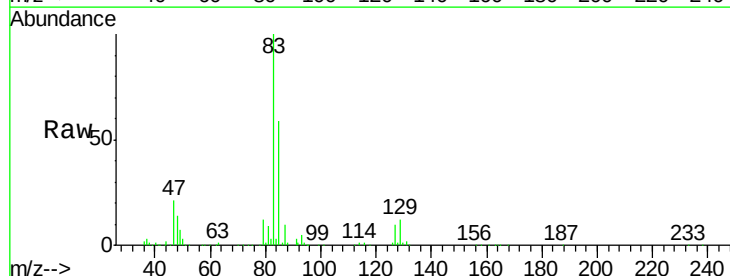
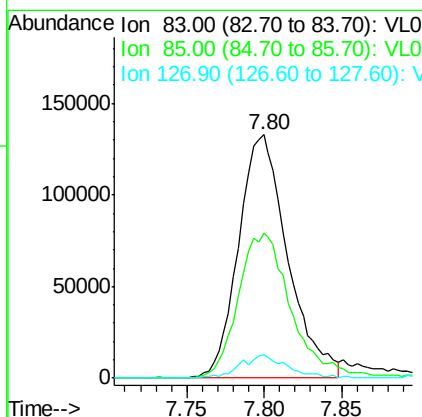


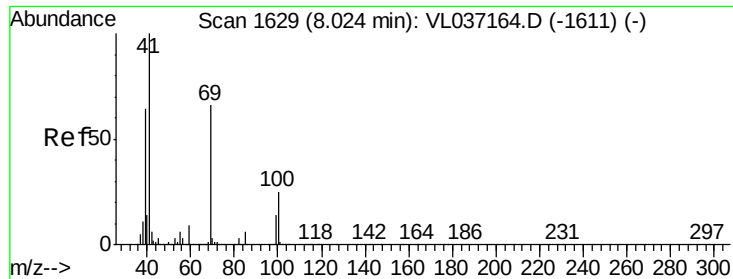
#42

Bromodichloromethane

Concen: 1.002 ppbv
RT: 7.80 min Scan# 1559
Delta R.T. 0.00 min
Lab File: VL037166.D
Acq: 16 Jun 2021 10:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	59.2	50.8	76.2
127	9.8	7.0	10.6





#43

Methyl Methacrylate

Concen: 1.032 ppbv

RT: 8.03 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VL037166.D

Acq: 16 Jun 2021 10:42

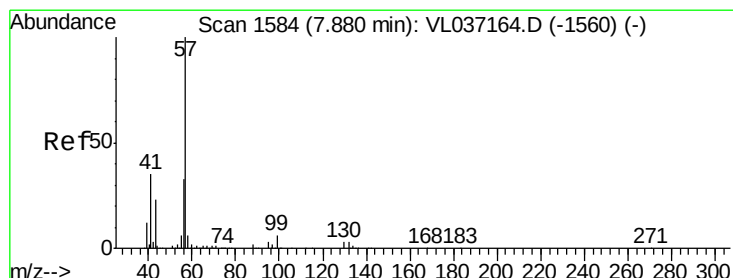
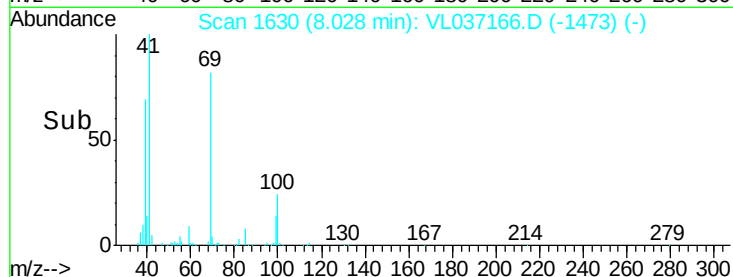
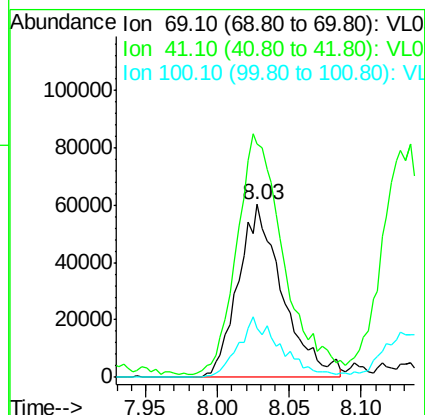
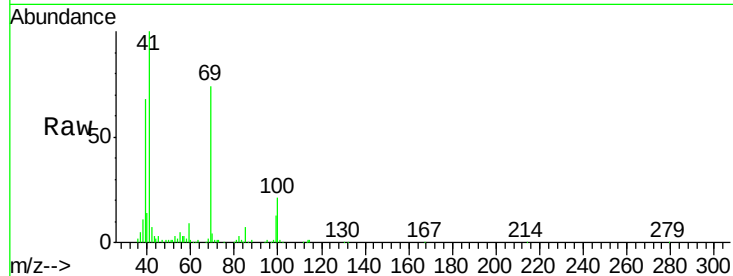
Instrument :
MSVOA_L

ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
69	100		
41	148.3	119.4	179.0
100	32.7	28.6	43.0

Manual Integrations
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#44

2,2,4-Trimethylpentane

Concen: 1.096 ppbv

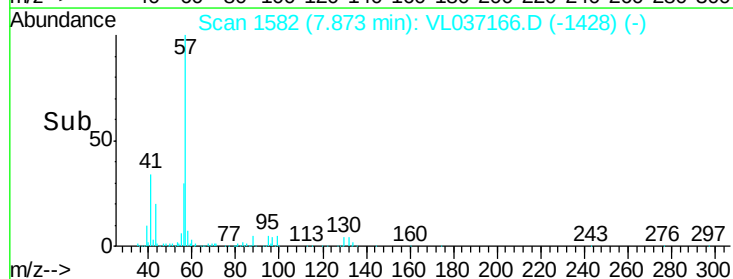
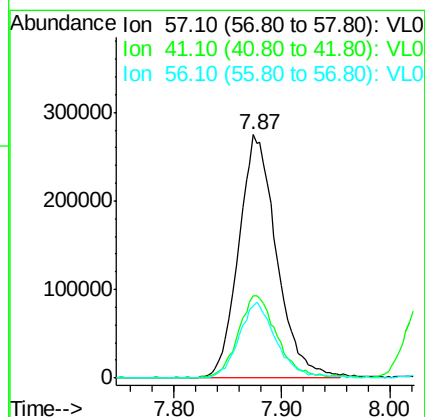
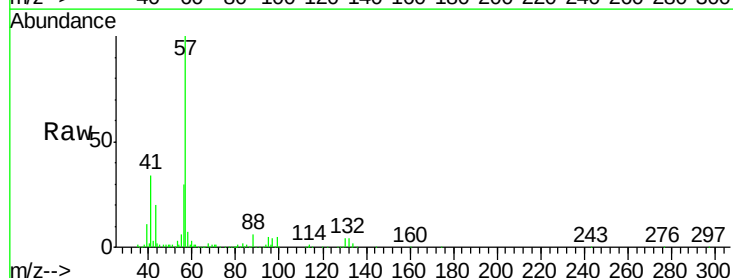
RT: 7.87 min Scan# 1582

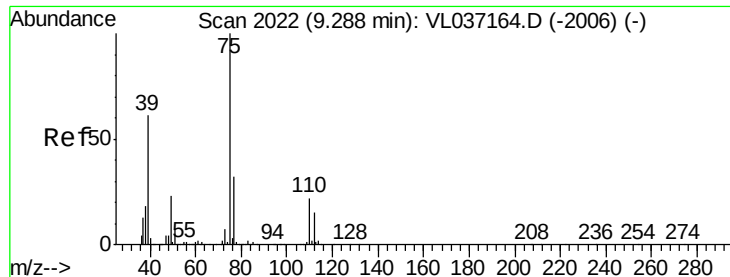
Delta R.T. -0.01 min

Lab File: VL037166.D

Acq: 16 Jun 2021 10:42

Tgt Ion	Ratio	Lower	Upper
57	100		
41	34.5	27.6	41.4
56	30.9	25.3	37.9





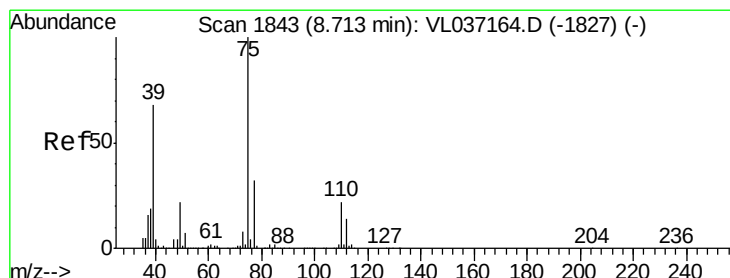
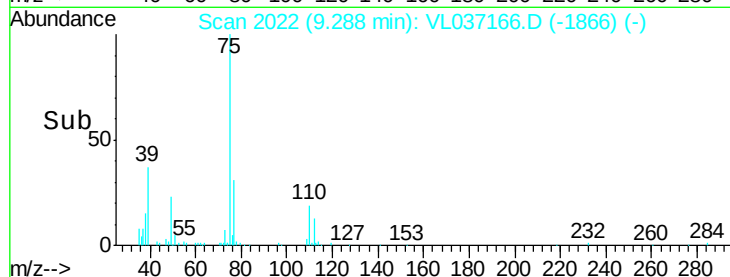
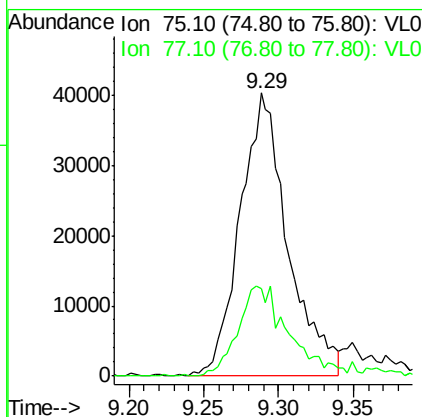
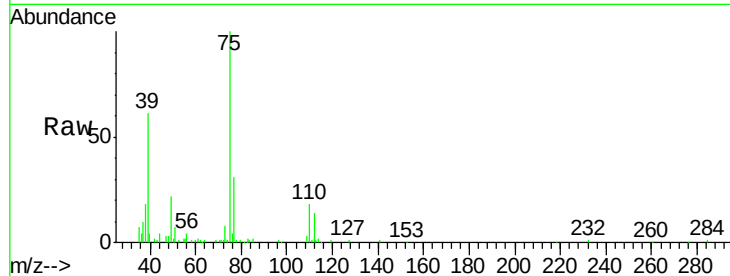
#45
t-1,3-Dichloropropene
Concen: 0.790 ppbv
RT: 9.29 min Scan# 2022
Delta R.T. 0.00 min
Lab File: VL037166.D
Acq: 16 Jun 2021 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion: 75 Resp: 89466
Ion Ratio Lower Upper
75 100
77 30.9 25.6 38.4

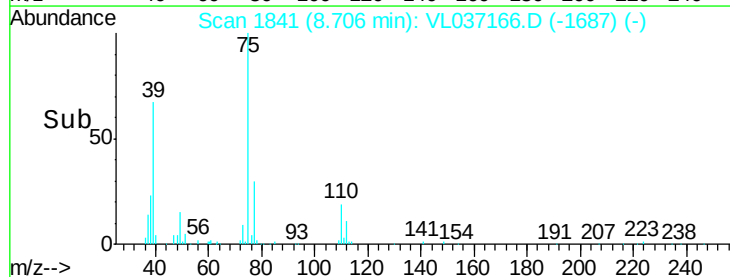
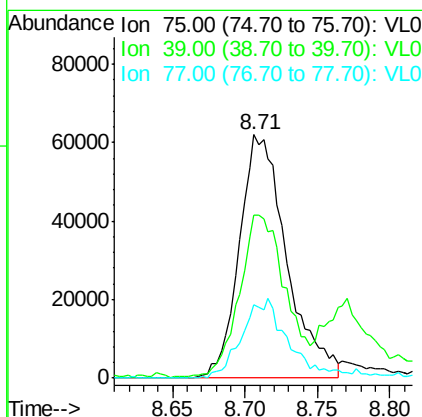
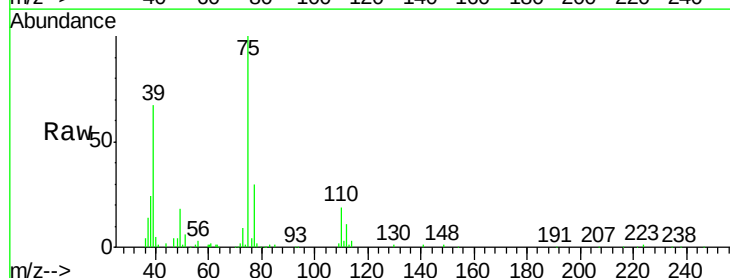
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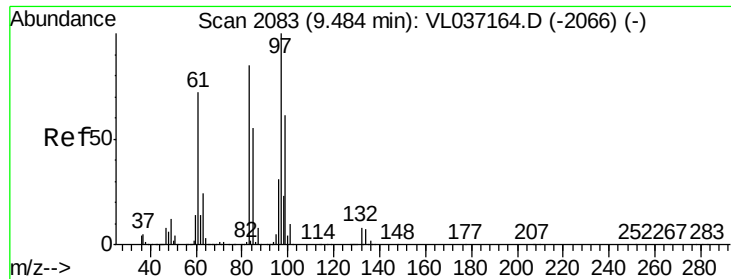
MMDadoda
6/17/2021 5:37:17 PM



#46
cis-1,3-Dichloropropene
Concen: 0.931 ppbv
RT: 8.71 min Scan# 1841
Delta R.T. -0.01 min
Lab File: VL037166.D
Acq: 16 Jun 2021 10:42

Tgt Ion: 75 Resp: 140632
Ion Ratio Lower Upper
75 100
39 66.3 54.7 82.1
77 30.2 25.8 38.8





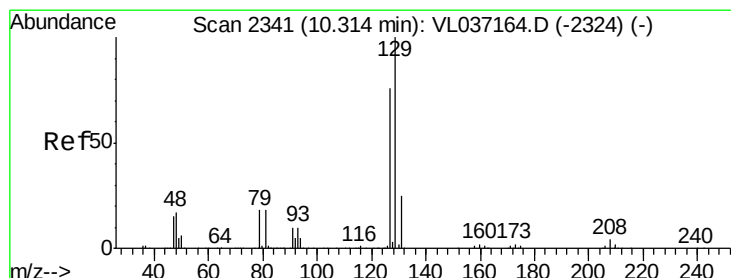
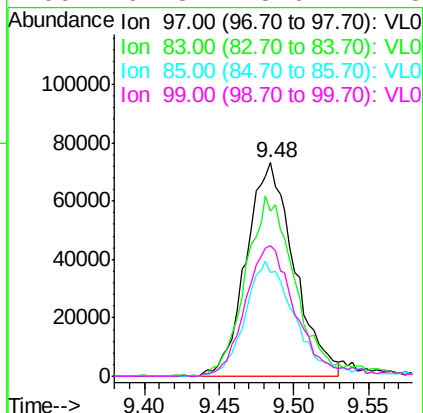
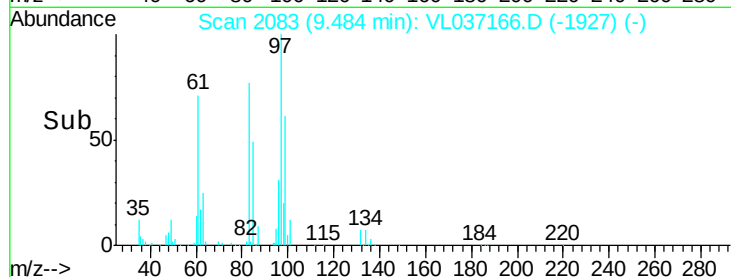
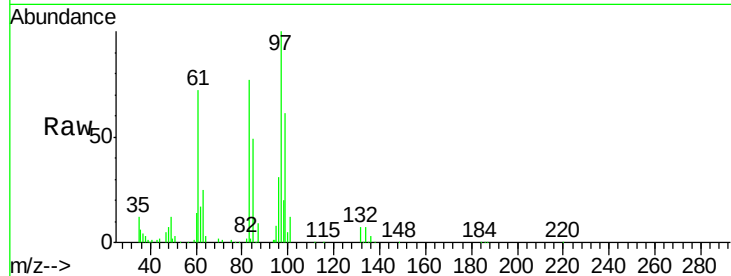
#47
 1,1,2-Trichloroethane
 Concen: 1.031 ppbv
 RT: 9.48 min Scan# 2083
 Delta R.T. 0.00 min
 Lab File: VL037166.D
 Acq: 16 Jun 2021 10:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
97	100		
83	77.5	68.3	102.5
85	48.8	44.1	66.1
99	61.3	48.6	72.8

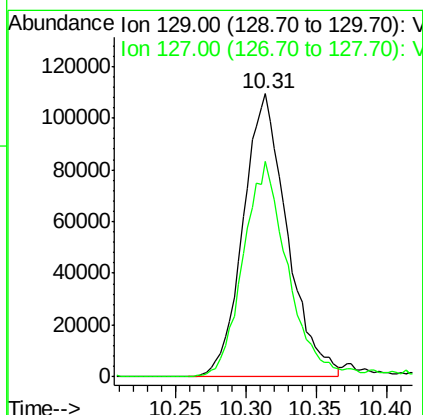
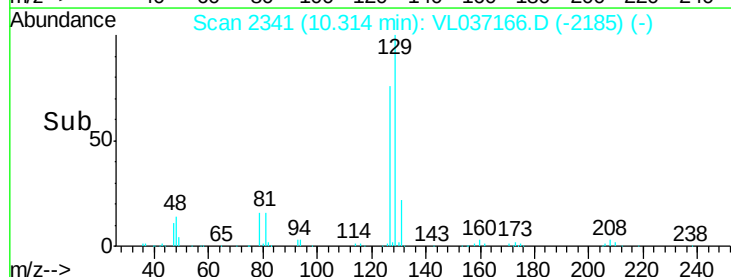
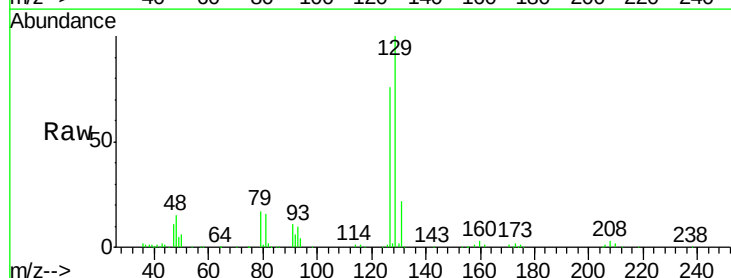
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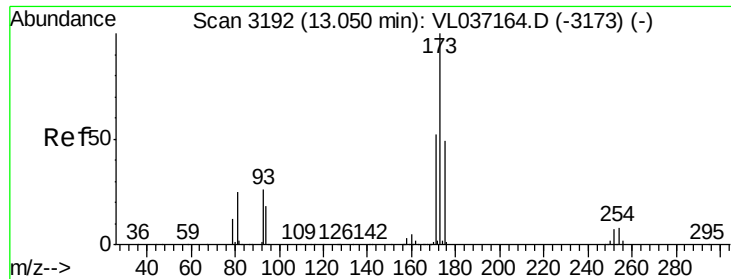
MMDadoda
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#48
 Dibromochloromethane
 Concen: 0.934 ppbv
 RT: 10.31 min Scan# 2341
 Delta R.T. 0.00 min
 Lab File: VL037166.D
 Acq: 16 Jun 2021 10:42

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.9	39.1	117.2





#49

Bromoform

Concen: 0.823 ppbv

RT: 13.05 min Scan# 3191

Delta R.T. -0.00 min

Lab File: VL037166.D

Acq: 16 Jun 2021 10:42

Instrument :

MSVOA_L

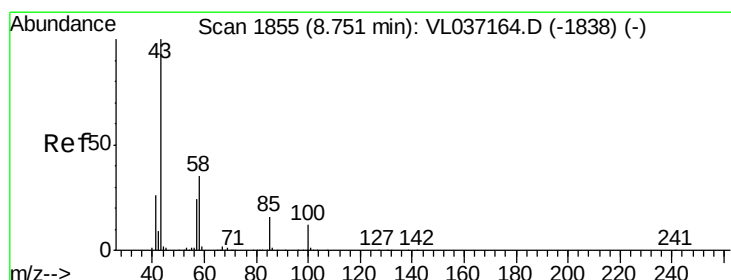
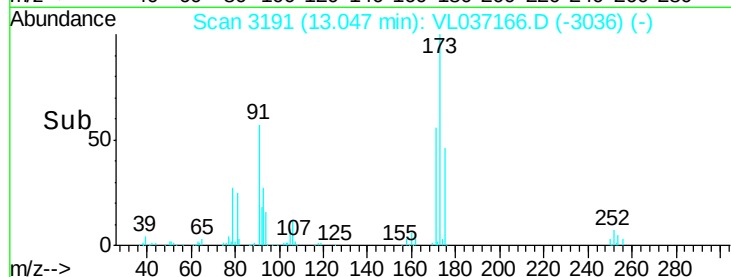
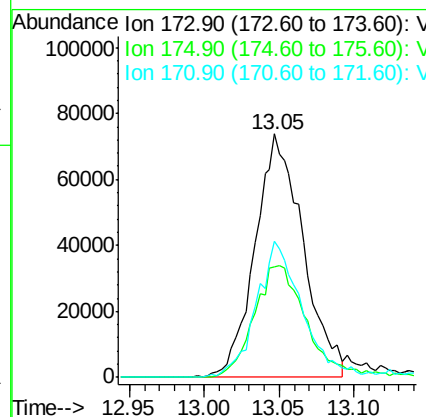
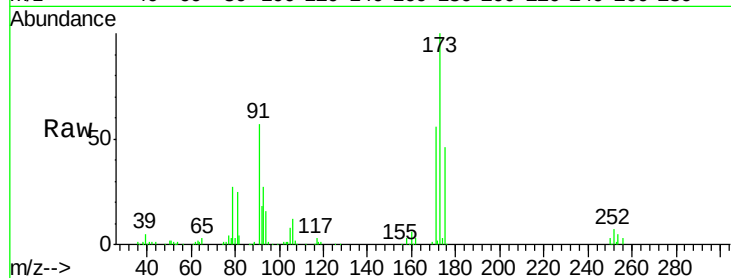
ClientSampleId :

VSTDIC001

Tot Ion:	173	Resp:	164463
Ion Ratio	Lower	Upper	
173	100		
175	50.8	40.2	60.4
171	53.2	41.8	62.8

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#50

4-Methyl-2-Pentanone

Concen: 0.931 ppbv

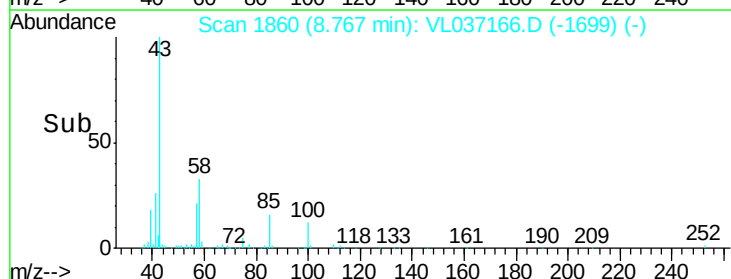
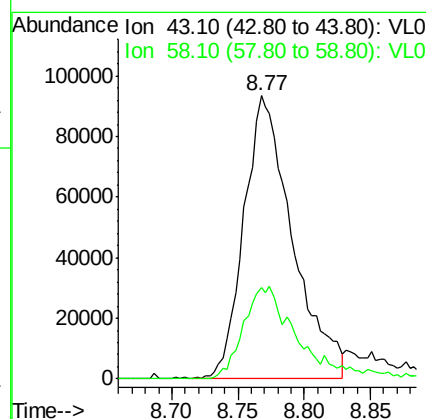
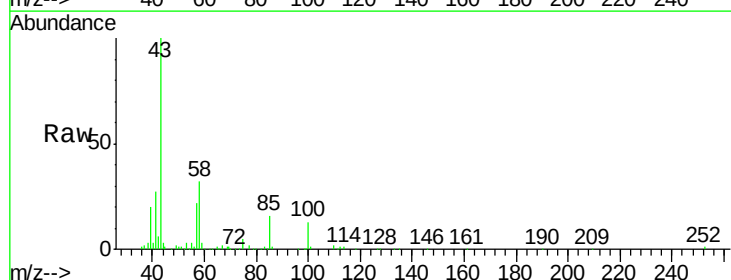
RT: 8.77 min Scan# 1860

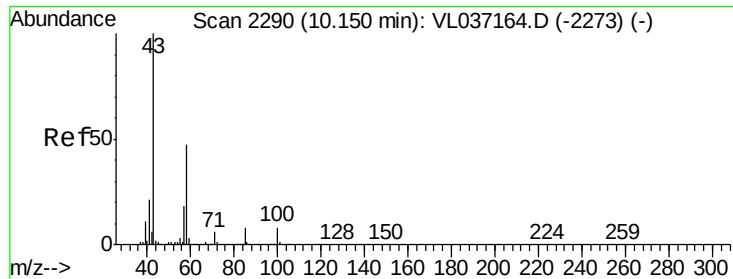
Delta R.T. 0.02 min

Lab File: VL037166.D

Acq: 16 Jun 2021 10:42

Tgt Ion:	43	Resp:	237466
Ion Ratio	Lower	Upper	
43	100		
58	37.3	28.4	42.6





#51

2-Hexanone

Concen: 0.924 ppbv m

RT: 10.18 min Scan# 2298

Delta R.T. 0.03 min

Lab File: VL037166.D

Acq: 16 Jun 2021 10:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 117555

Ion Ratio Lower Upper

43 100

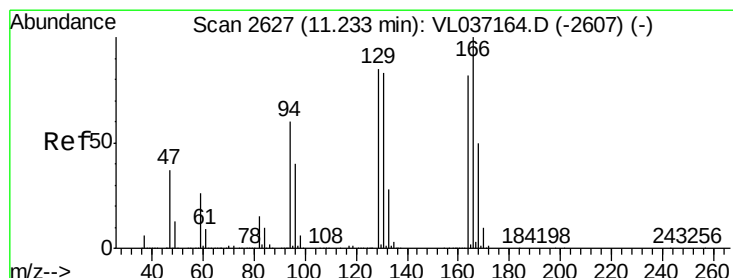
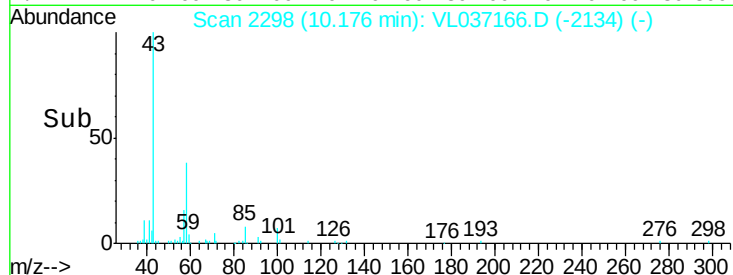
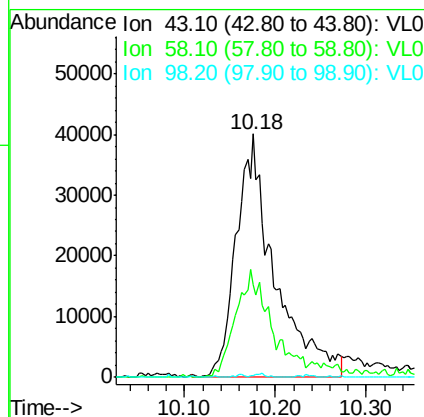
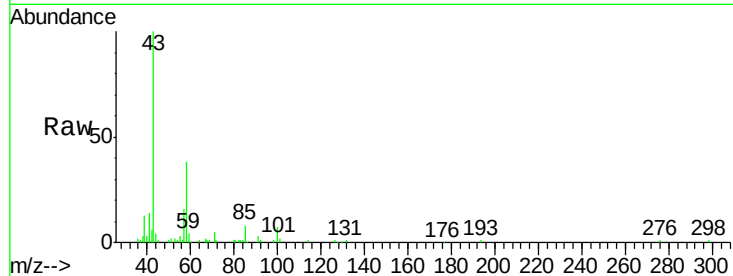
58 0.0 38.4 57.6#

98 0.2 0.3 0.5#

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#52

Tetrachloroethene

Concen: 1.083 ppbv

RT: 11.23 min Scan# 2627

Delta R.T. 0.00 min

Lab File: VL037166.D

Acq: 16 Jun 2021 10:42

Tgt Ion: 164 Resp: 164032

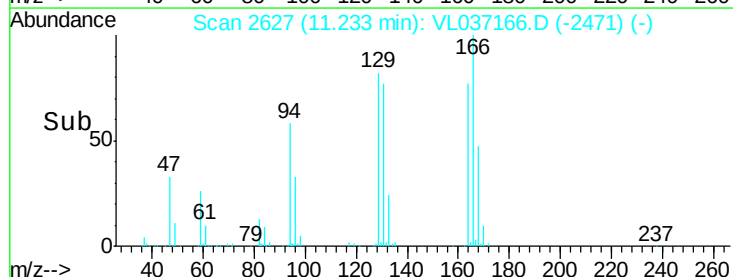
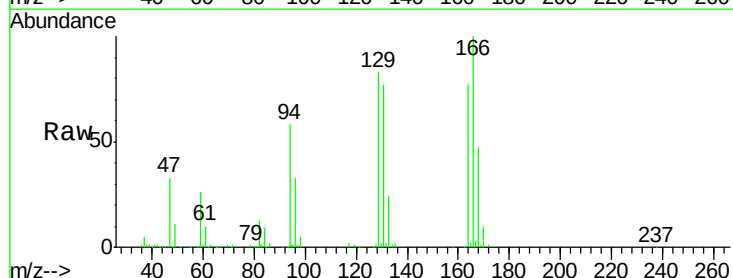
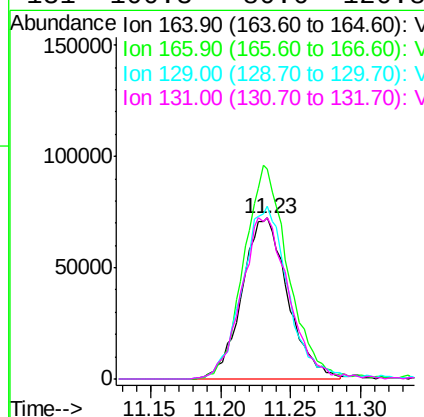
Ion Ratio Lower Upper

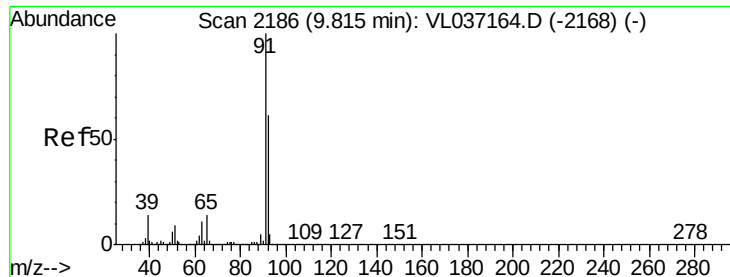
164 100

166 130.1 97.6 146.4

129 107.6 82.9 124.3

131 100.3 80.6 120.8





#53

Toluene

Concen: 1.054 ppbv

RT: 9.82 min Scan# 2186

Delta R.T. 0.00 min

Lab File: VL037166.D

Acq: 16 Jun 2021 10:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 458752

Ion Ratio Lower Upper

91 100

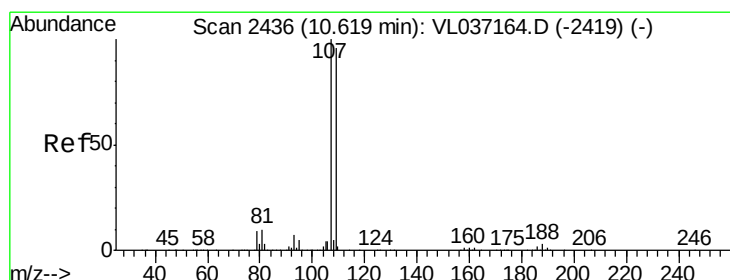
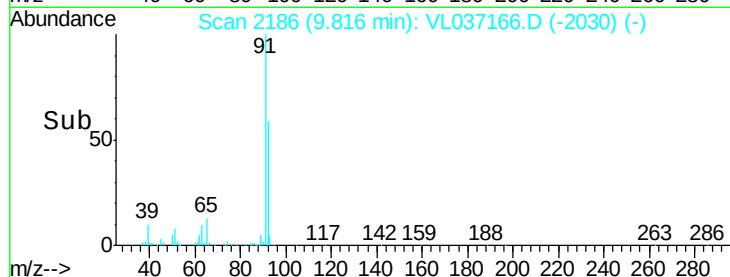
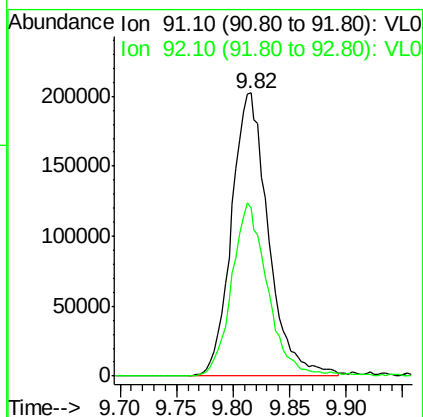
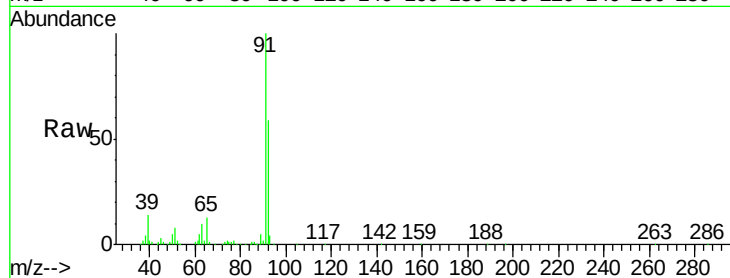
92 59.8 48.3 72.5

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#54

1,2-Dibromoethane

Concen: 0.953 ppbv

RT: 10.62 min Scan# 2436

Delta R.T. 0.00 min

Lab File: VL037166.D

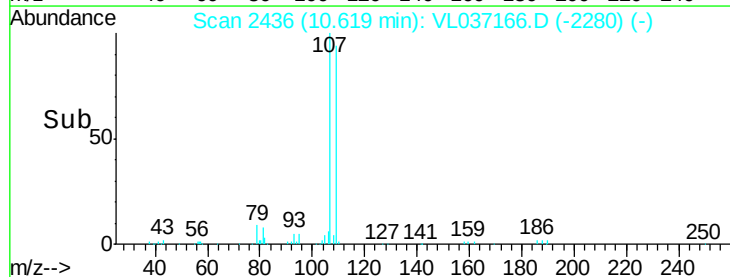
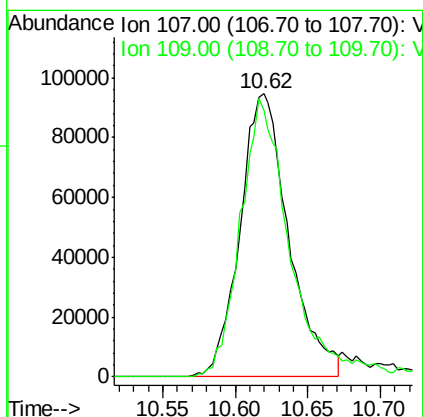
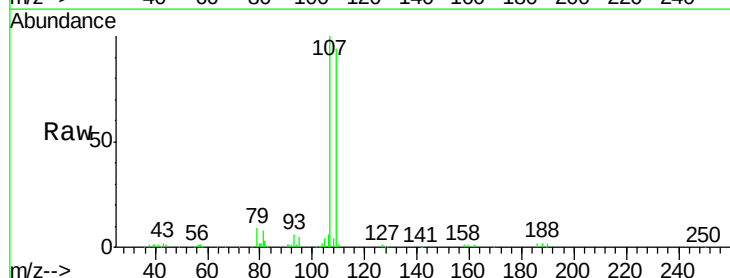
Acq: 16 Jun 2021 10:42

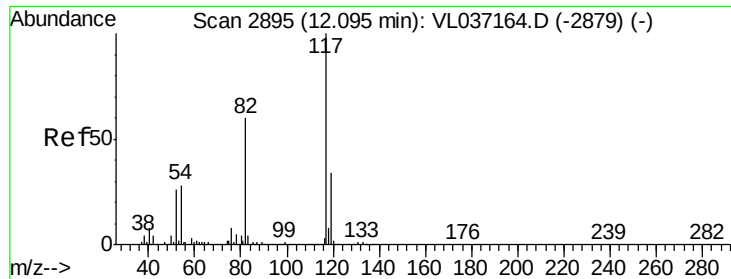
Tgt Ion: 107 Resp: 221235

Ion Ratio Lower Upper

107 100

109 94.1 77.0 115.6





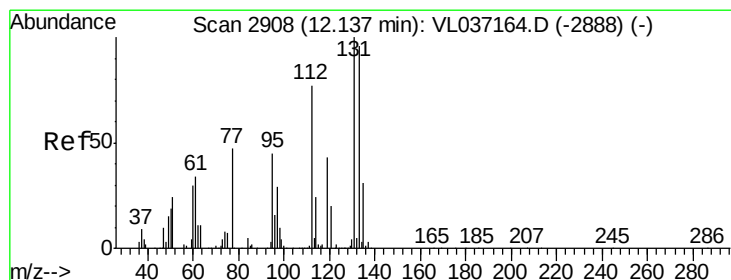
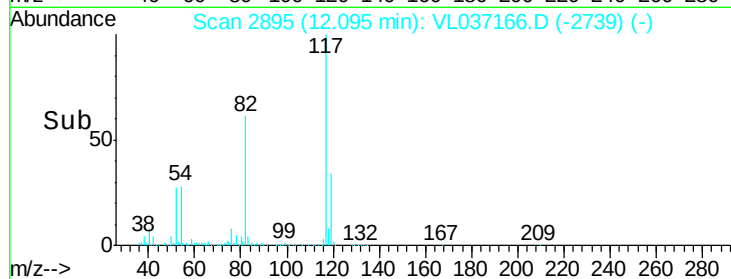
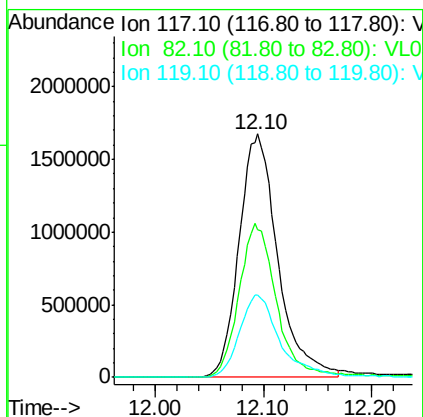
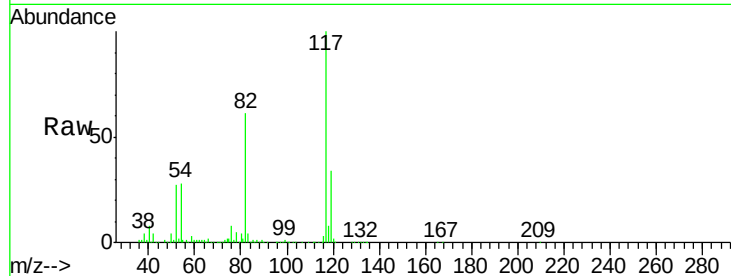
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2895
Delta R.T. 0.00 min
Lab File: VL037166.D
Acq: 16 Jun 2021 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.2	51.7	77.5
119	36.2	47.6	71.4#

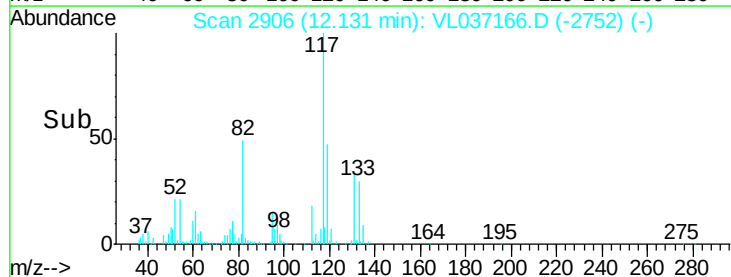
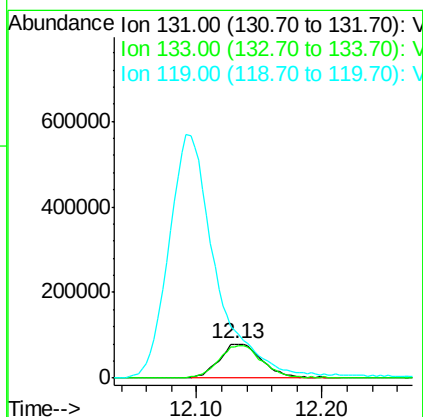
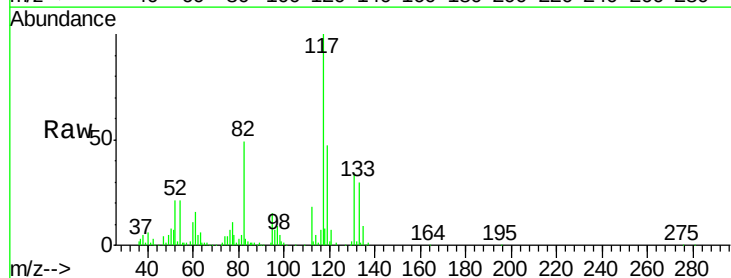
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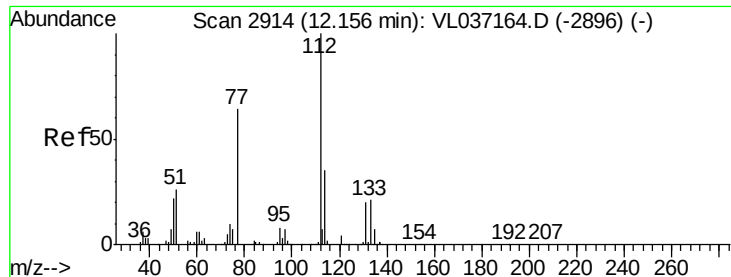
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 1.039 ppbv m
RT: 12.13 min Scan# 2906
Delta R.T. -0.01 min
Lab File: VL037166.D
Acq: 16 Jun 2021 10:42

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.7	76.5	114.7
119	0.0	48.6	72.8#





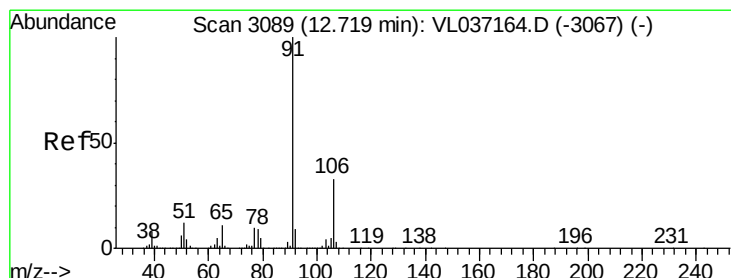
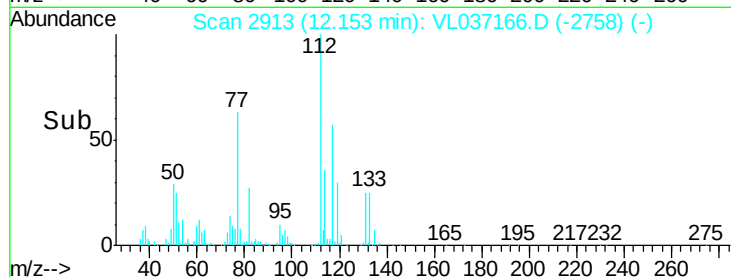
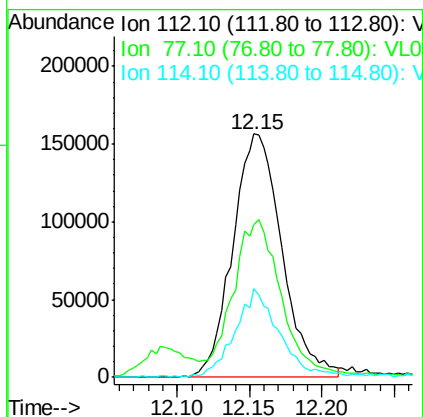
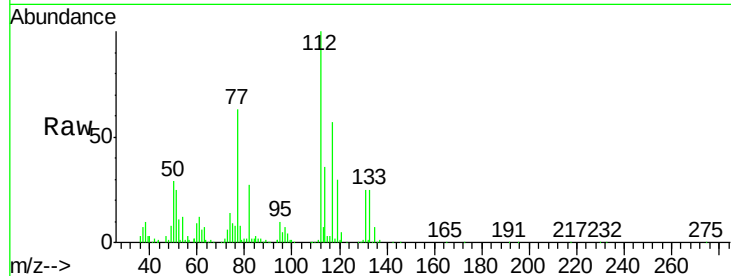
#57
Chlorobenzene
Concen: 1.103 ppbv
RT: 12.15 min Scan# 2913
Delta R.T. -0.00 min
Lab File: VL037166.D
Acq: 16 Jun 2021 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
112	100		
77	60.4	52.2	78.4
114	36.5	31.1	38.1

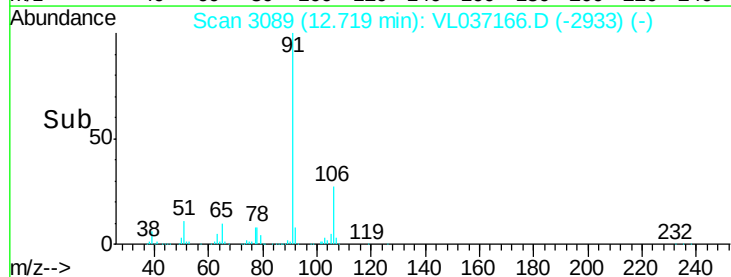
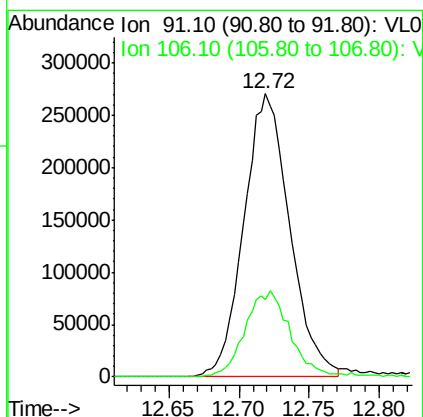
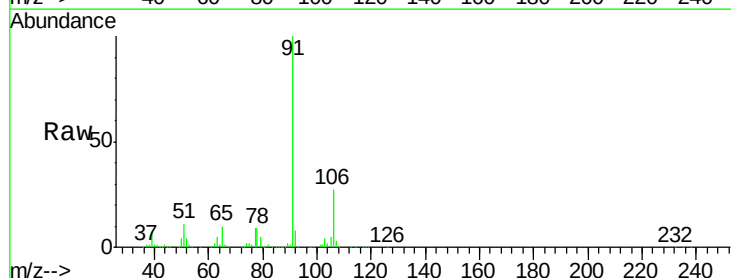
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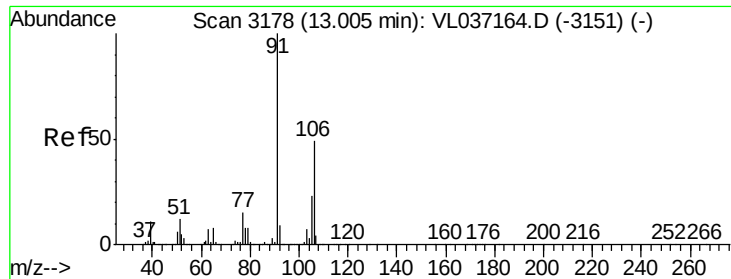
MMDadoda
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#58
Ethyl Benzene
Concen: 1.085 ppbv
RT: 12.72 min Scan# 3089
Delta R.T. 0.00 min
Lab File: VL037166.D
Acq: 16 Jun 2021 10:42

Tgt Ion	Ratio	Lower	Upper
91	100		
106	27.2	26.3	39.5





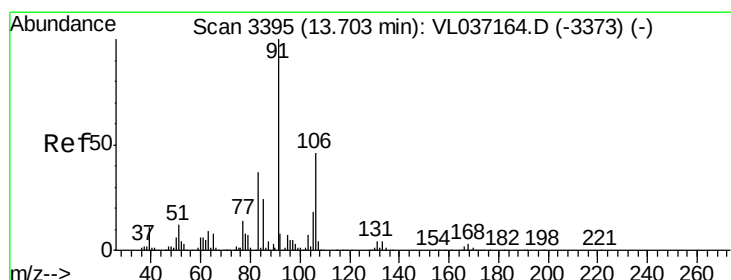
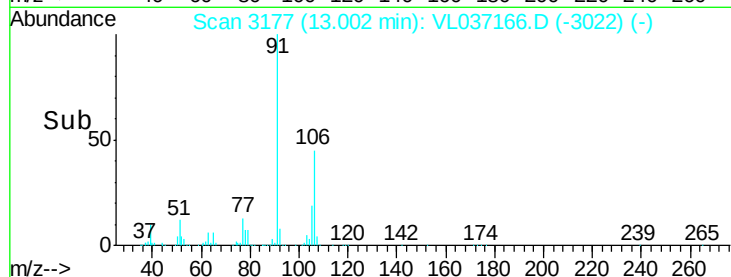
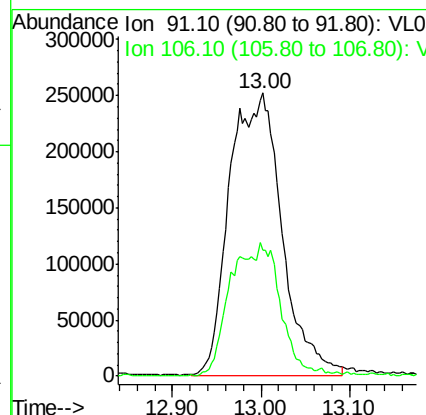
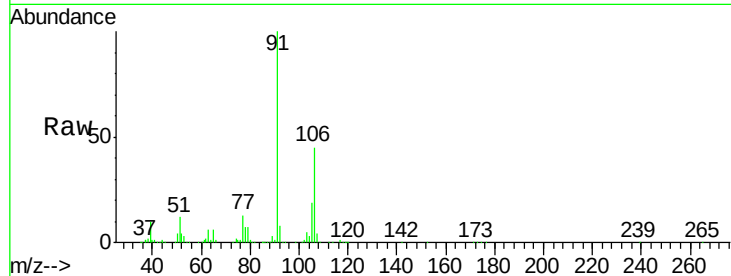
#59
m/p-Xylene
Concen: 2.163 ppbv m
RT: 13.00 min Scan# 3177
Delta R.T. -0.00 min
Lab File: VL037166.D
Acq: 16 Jun 2021 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion: 91 Resp: 1041420
Ion Ratio Lower Upper
91 100
106 44.9 37.0 55.4

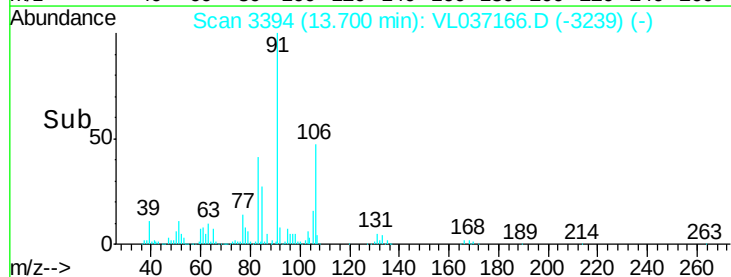
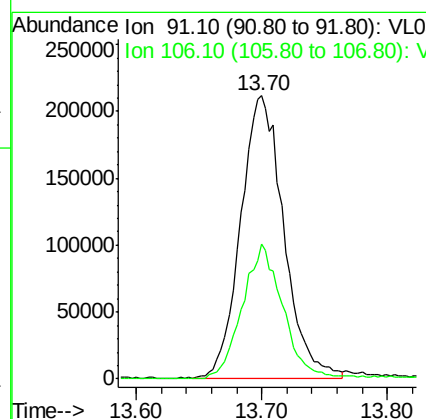
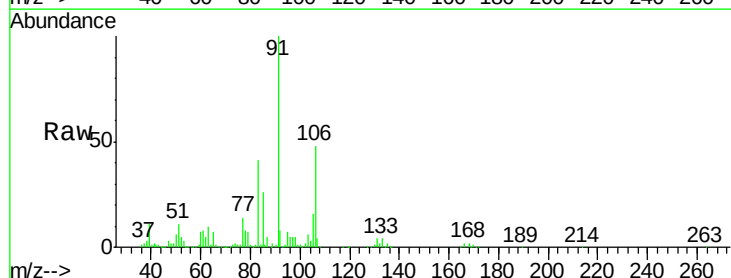
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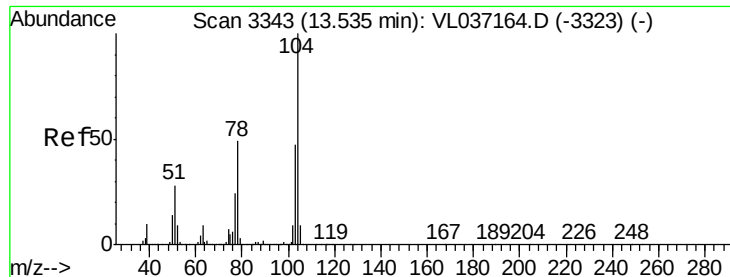
MMDadoda
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#60
o-Xylene
Concen: 1.087 ppbv
RT: 13.70 min Scan# 3394
Delta R.T. -0.00 min
Lab File: VL037166.D
Acq: 16 Jun 2021 10:42

Tgt Ion: 91 Resp: 502798
Ion Ratio Lower Upper
91 100
106 46.0 23.0 69.0





#61

Stvrene

Concen: 0.987 ppbv m

RT: 13.54 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VL037166.D

Acq: 16 Jun 2021 10:42

Instrument :

MSVOA_L

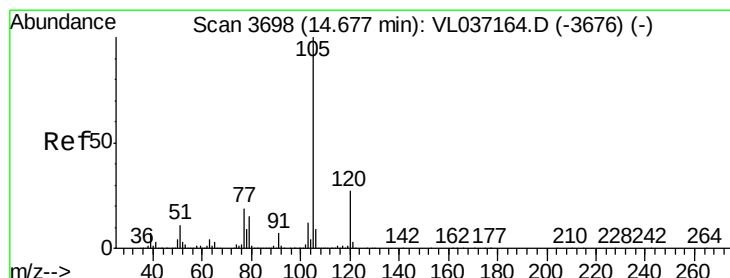
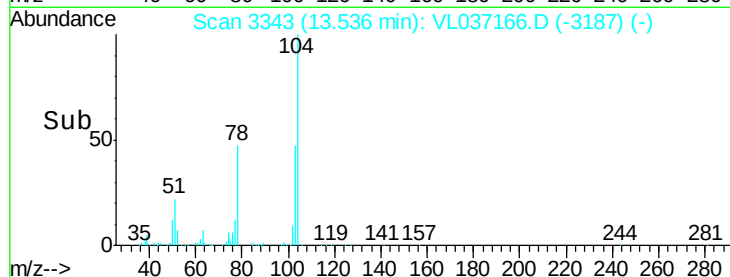
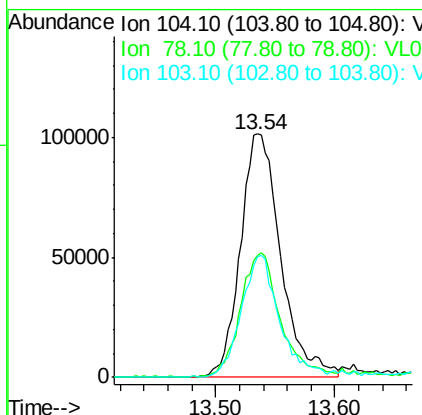
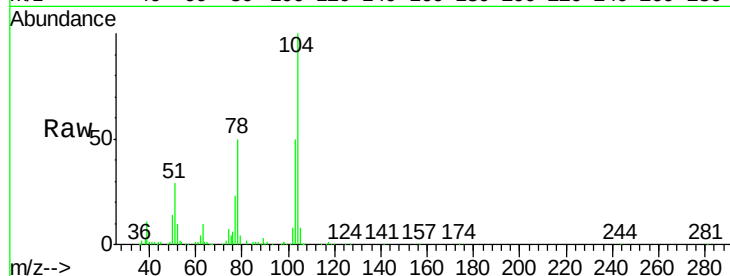
ClientSampleId :

VSTDIC001

Tot Ion:	104	Resp:	240606
Ion Ratio	Lower	Upper	
104	100		
78	51.1	39.7	59.5
103	49.0	37.6	56.4

Manual Integrations
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#62

Isopropylbenzene

Concen: 1.082 ppbv

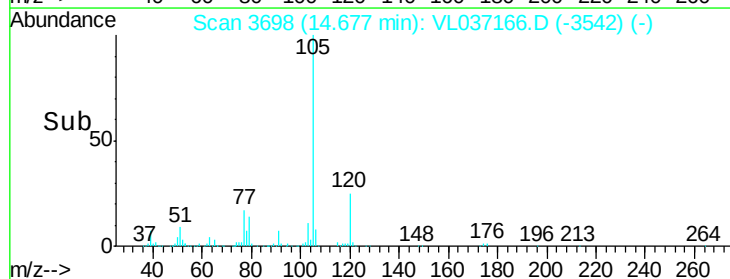
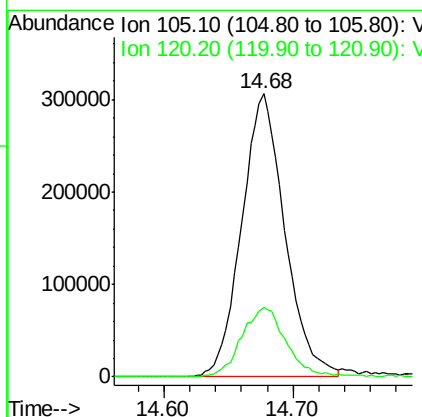
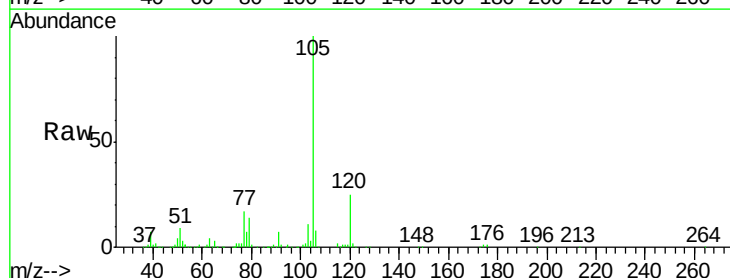
RT: 14.68 min Scan# 3698

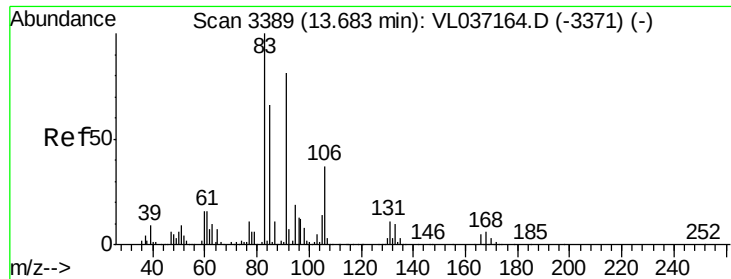
Delta R.T. 0.00 min

Lab File: VL037166.D

Acq: 16 Jun 2021 10:42

Tgt Ion:	105	Resp:	713114
Ion Ratio	Lower	Upper	
105	100		
120	25.5	21.6	32.4





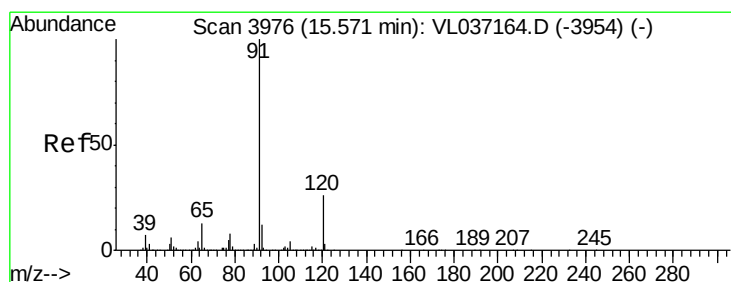
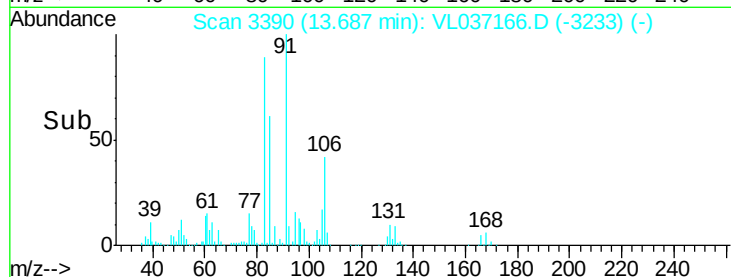
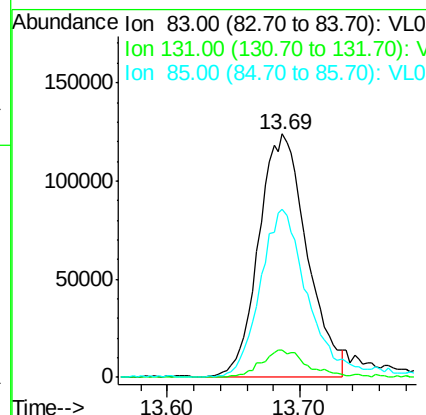
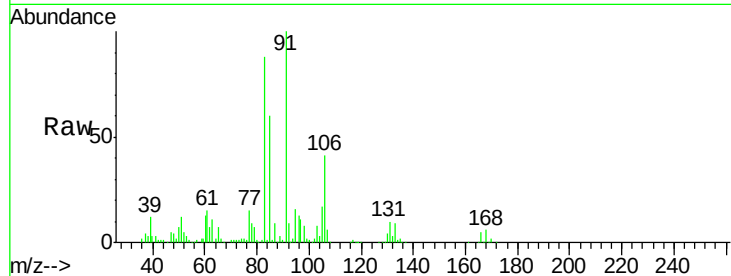
#63
 1,1,2,2-Tetrachloroethane
 Concen: 1.038 ppbv
 RT: 13.69 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VL037166.D
 Acq: 16 Jun 2021 10:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	83	Resp	311937
Ion Ratio	100	Lower	Upper
83	100		
131	11.4	5.4	16.2
85	71.1	33.1	99.2

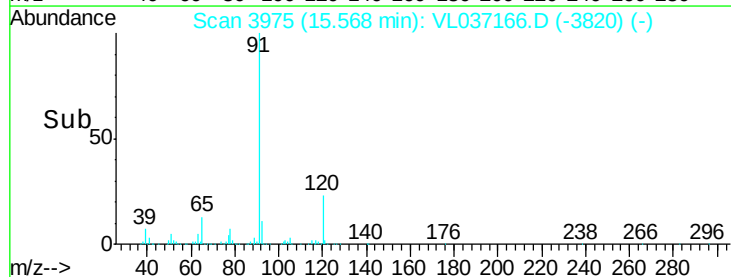
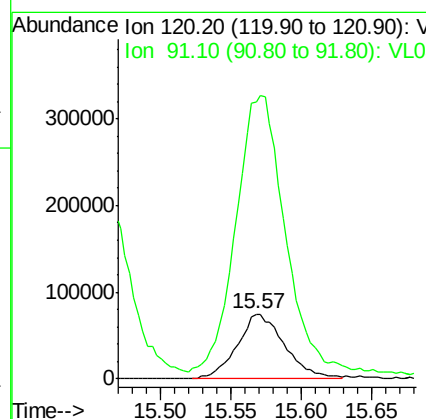
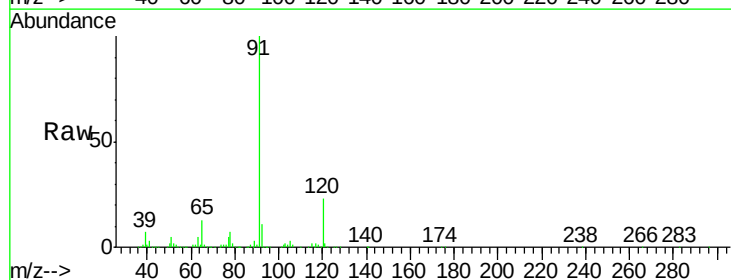
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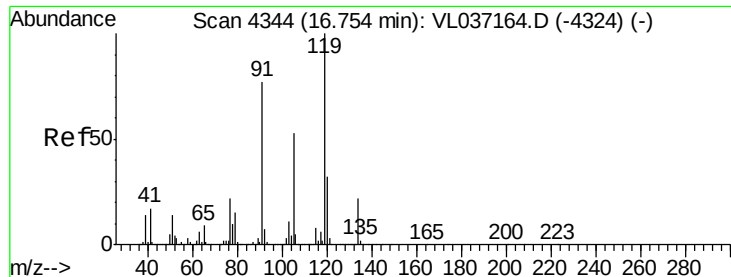
MMDadoda
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#64
 n-propylbenzene
 Concen: 1.031 ppbv
 RT: 15.57 min Scan# 3975
 Delta R.T. -0.00 min
 Lab File: VL037166.D
 Acq: 16 Jun 2021 10:42

Tgt Ion	120	Resp	173362
Ion Ratio	100	Lower	Upper
120	100		
91	488.7	343.3	514.9





#65

tert-Butylbenzene

Concen: 1.080 ppbv

RT: 16.75 min Scan# 4344

Delta R.T. 0.00 min

Lab File: VL037166.D

Acq: 16 Jun 2021 10:42

Instrument :

MSVOA_L

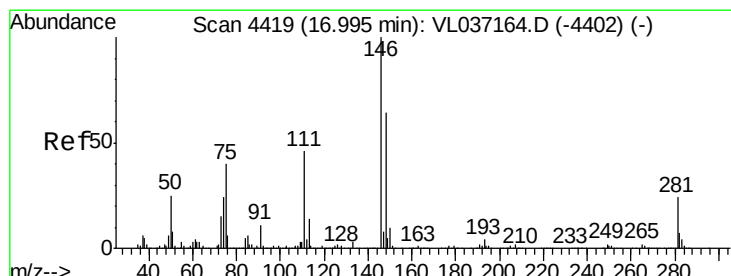
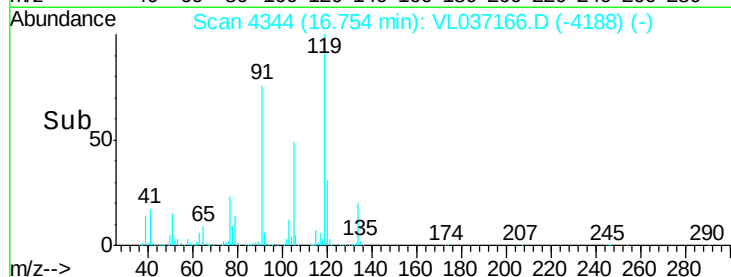
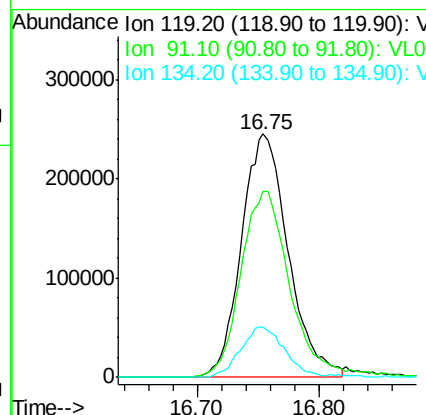
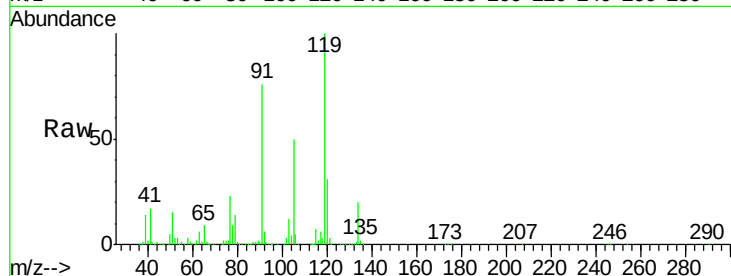
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
119	100		
91	81.8	62.6	93.8
134	20.5	16.2	24.4

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#66

Benzyl Chloride

Concen: 0.882 ppbv m

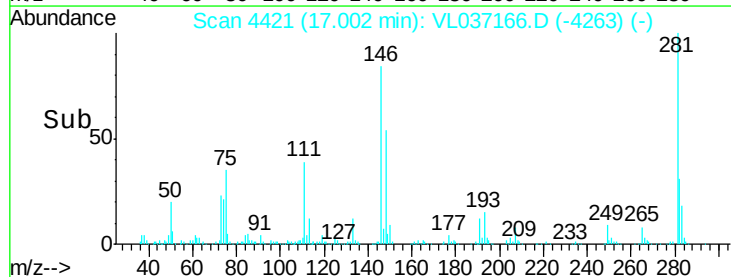
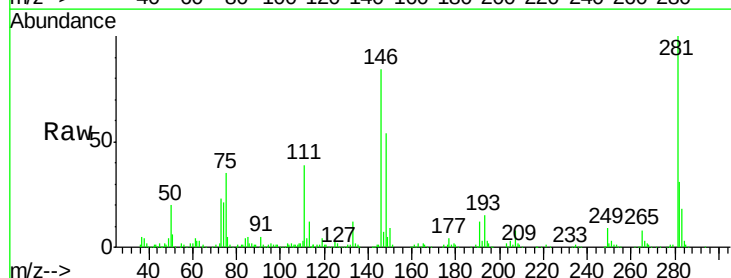
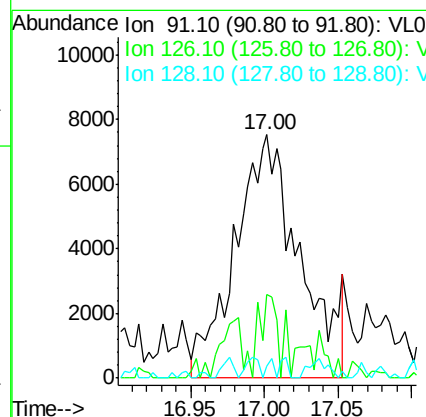
RT: 17.00 min Scan# 4421

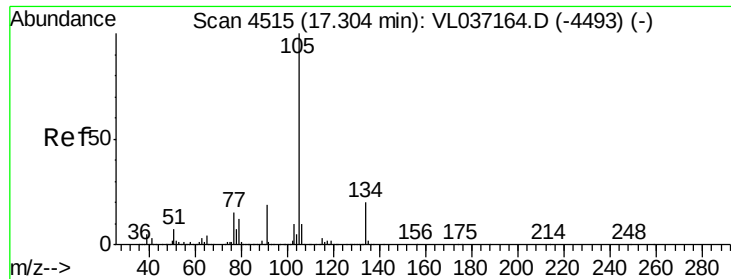
Delta R.T. 0.01 min

Lab File: VL037166.D

Acq: 16 Jun 2021 10:42

Tgt Ion	Ratio	Lower	Upper
91	100		
126	2.4	15.5	23.3#
128	9.7	5.7	8.5#





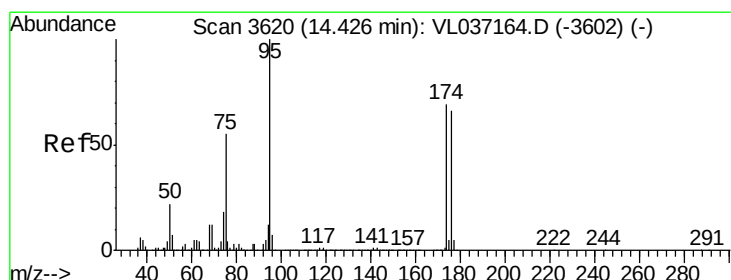
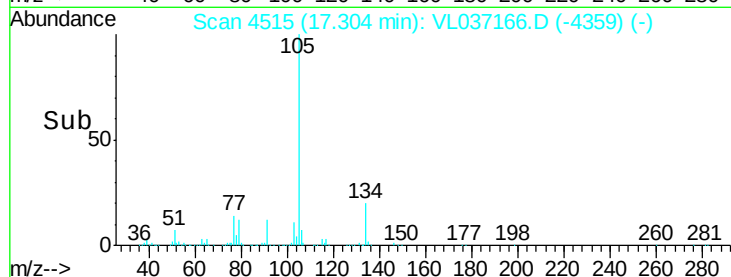
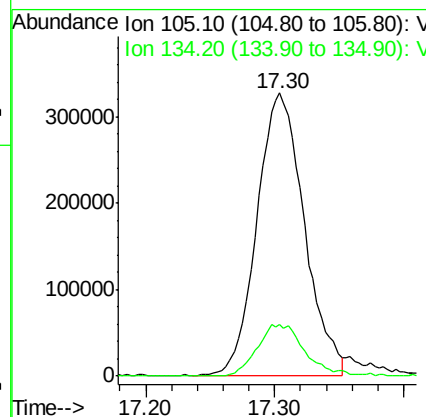
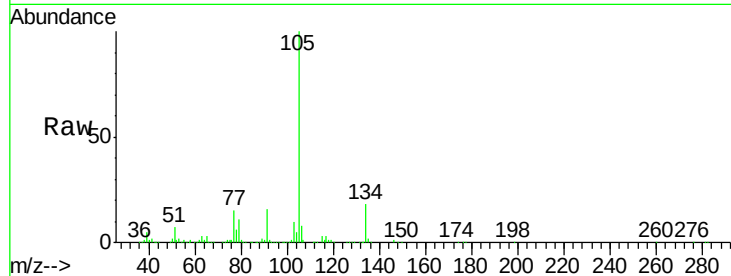
#67
 sec-Butylbenzene
 Concen: 1.048 ppbv
 RT: 17.30 min Scan# 4515
 Delta R.T. 0.00 min
 Lab File: VL037166.D
 Acq: 16 Jun 2021 10:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.8	15.8	23.6

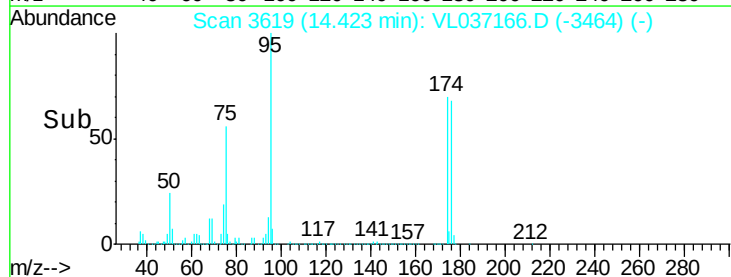
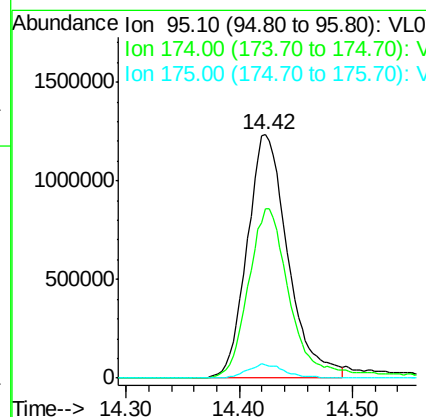
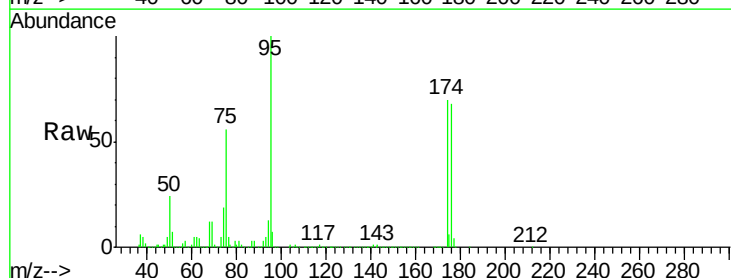
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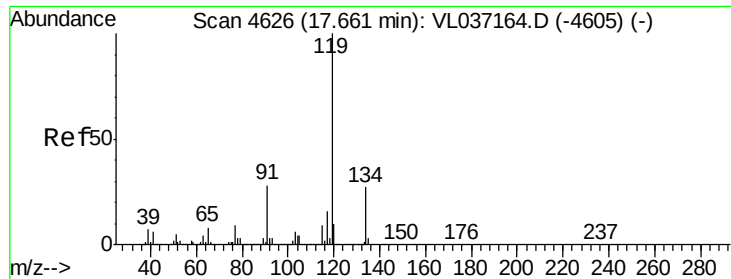
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.038 ppbv
 RT: 14.42 min Scan# 3619
 Delta R.T. -0.00 min
 Lab File: VL037166.D
 Acq: 16 Jun 2021 10:42

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.8	57.0	85.4
175	5.5	4.4	6.6





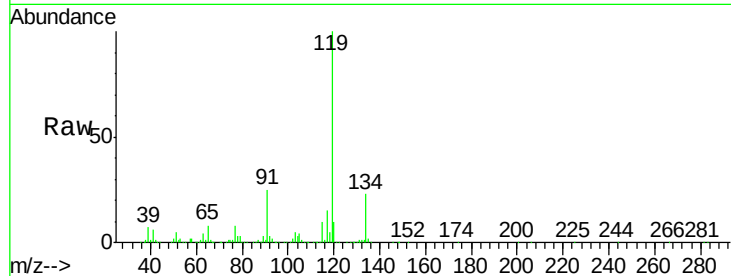
#69
 p-Isopropyltoluene
 Concen: 1.068 ppbv
 RT: 17.66 min Scan# 4627
 Delta R.T. 0.00 min
 Lab File: VL037166.D
 Acq: 16 Jun 2021 10:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

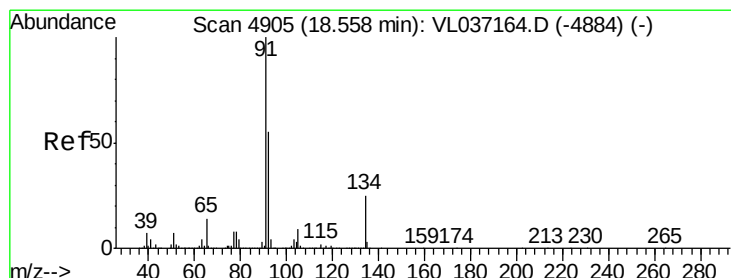
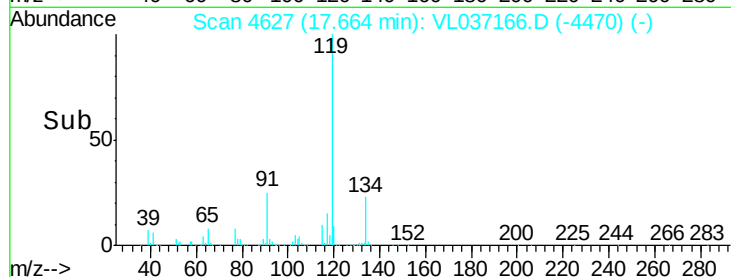
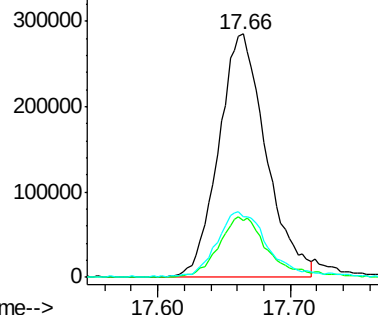
Tot Ion:	119	Resp:	708496
Ion Ratio	Lower	Upper	
119	100		
134	26.3	20.9	31.3
91	29.4	22.6	34.0

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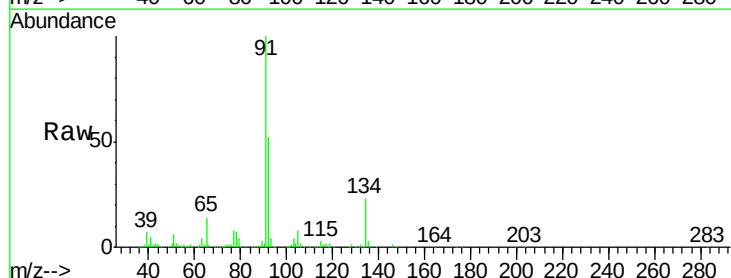


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

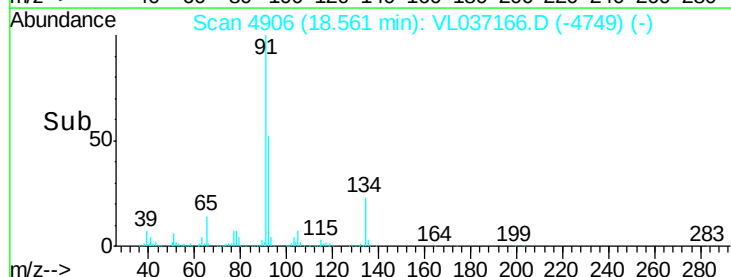
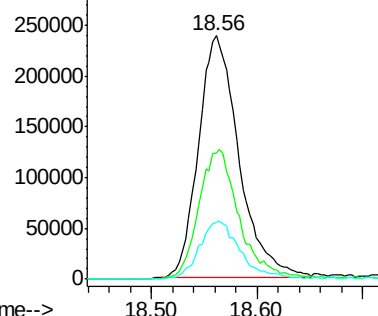


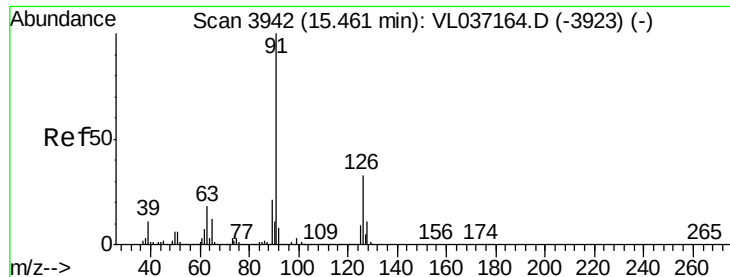
#70
 n-Butylbenzene
 Concen: 1.050 ppbv
 RT: 18.56 min Scan# 4906
 Delta R.T. 0.00 min
 Lab File: VL037166.D
 Acq: 16 Jun 2021 10:42

Tgt Ion:	91	Resp:	637427
Ion Ratio	Lower	Upper	
91	100		
92	54.2	44.0	66.0
134	24.6	20.2	30.4



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 1.050 ppbv

RT: 15.46 min Scan# 3941

Delta R.T. -0.00 min

Lab File: VL037166.D

Acq: 16 Jun 2021 10:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 493487

Ion Ratio Lower Upper

91 100

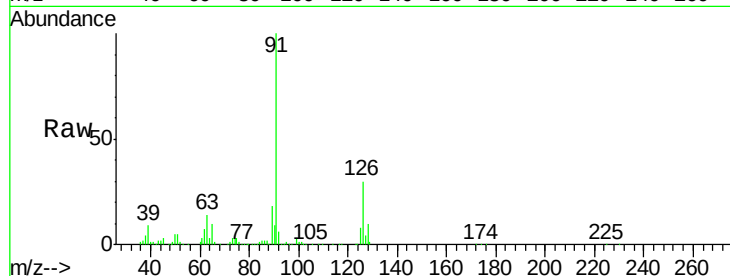
126 34.4 13.5 54.1

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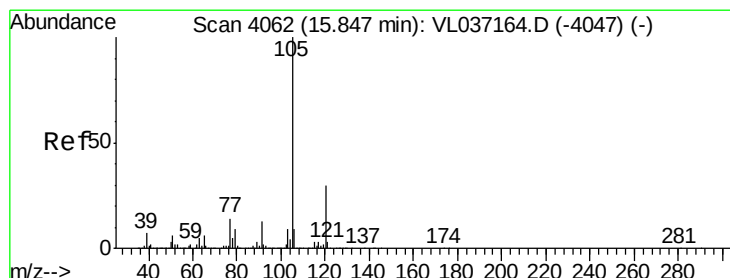
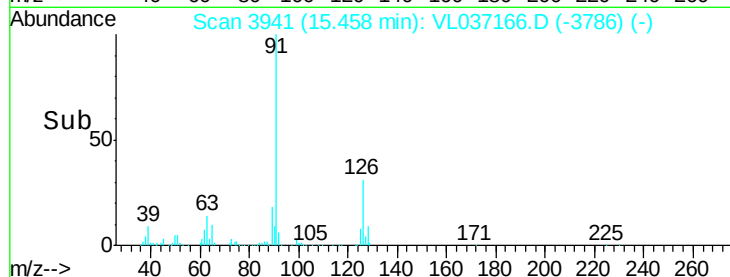
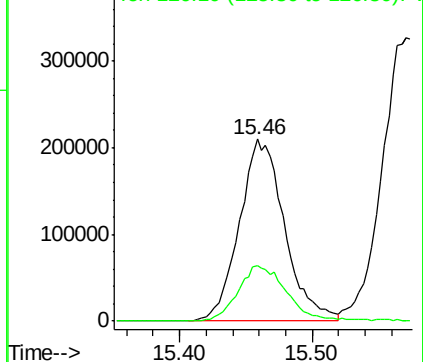
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 1.023 ppbv

RT: 15.85 min Scan# 4062

Delta R.T. 0.00 min

Lab File: VL037166.D

Acq: 16 Jun 2021 10:42

Tgt Ion: 105 Resp: 549673

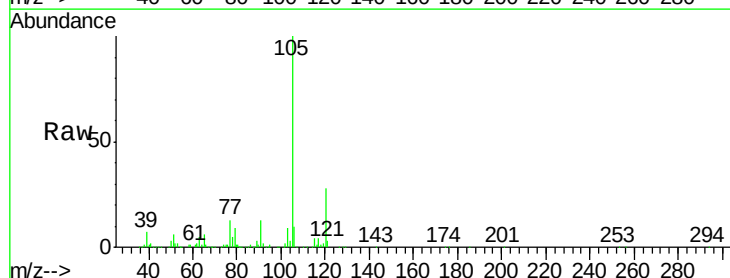
Ion Ratio Lower Upper

105 100

120 32.1 24.7 37.1

91 13.4 10.2 15.4

77 14.5 11.0 16.6

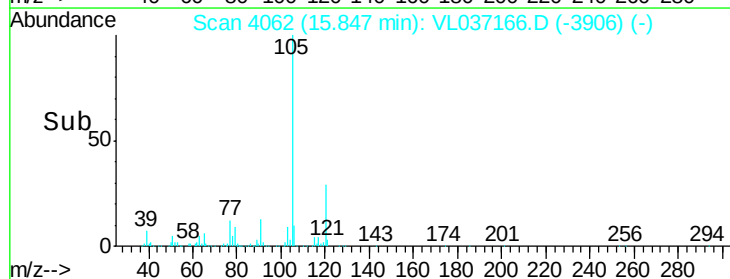
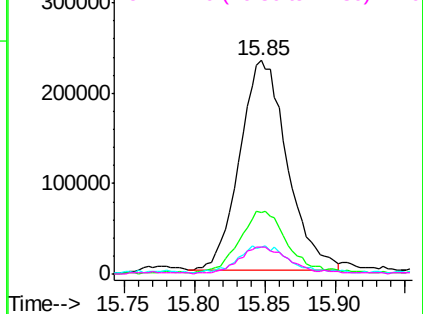


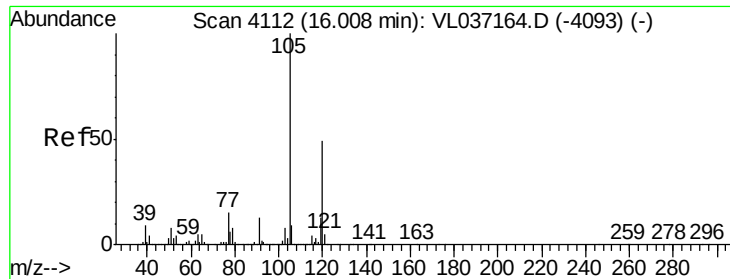
Abundance Ion 105.10 (104.80 to 105.80): V

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





#73

1,3,5-Trimethylbenzene

Concen: 1.098 ppbv m

RT: 16.00 min Scan# 4111

Delta R.T. -0.00 min

Lab File: VL037166.D

Acq: 16 Jun 2021 10:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 559160

Ion Ratio Lower Upper

105 100

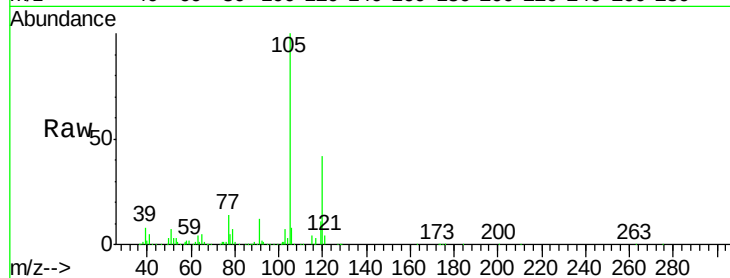
120 42.4 39.4 59.2

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.00

250000

200000

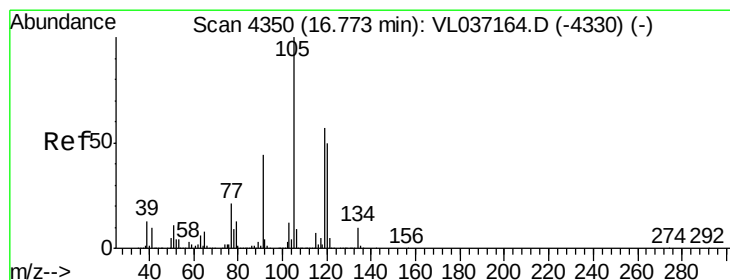
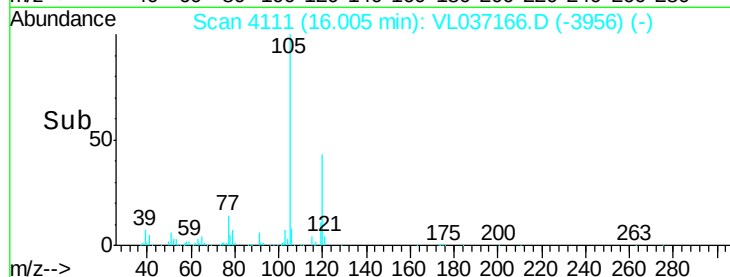
150000

100000

50000

0

Time--> 15.90 16.00 16.10



#74

1,2,4-Trimethylbenzene

Concen: 1.105 ppbv

RT: 16.77 min Scan# 4349

Delta R.T. -0.00 min

Lab File: VL037166.D

Acq: 16 Jun 2021 10:42

Tgt Ion:105 Resp: 572609

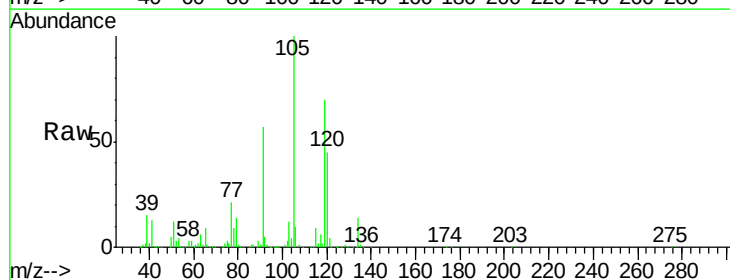
Ion Ratio Lower Upper

105 100

120 44.0 39.8 59.8

91 54.9 37.0 55.4

77 20.4 17.0 25.4



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

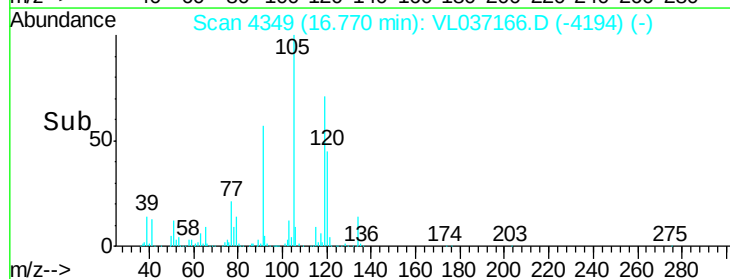
300000

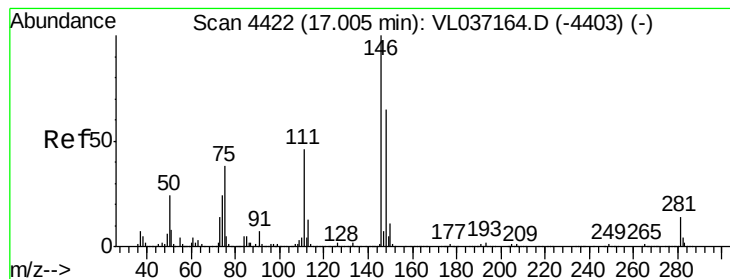
200000

100000

0

Time--> 16.70 16.80





#75

1,3-Dichlorobenzene

Concen: 1.063 ppbv m

RT: 17.00 min Scan# 4421

Delta R.T. -0.00 min

Lab File: VL037166.D

Acq: 16 Jun 2021 10:42

Instrument :

MSVOA_L

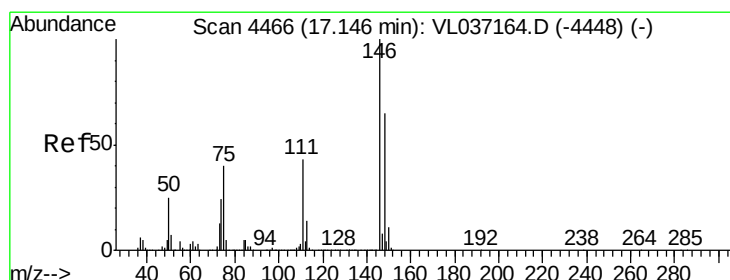
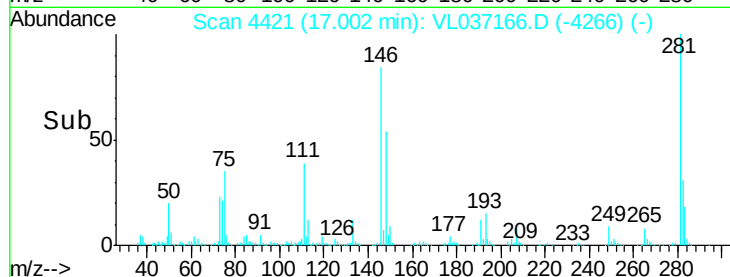
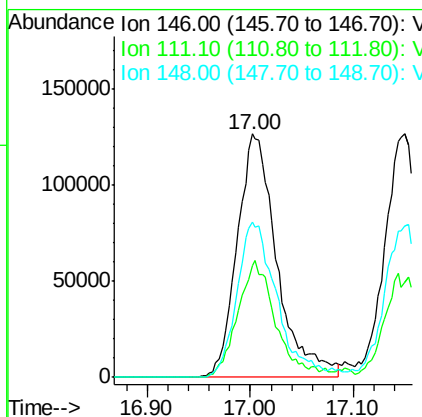
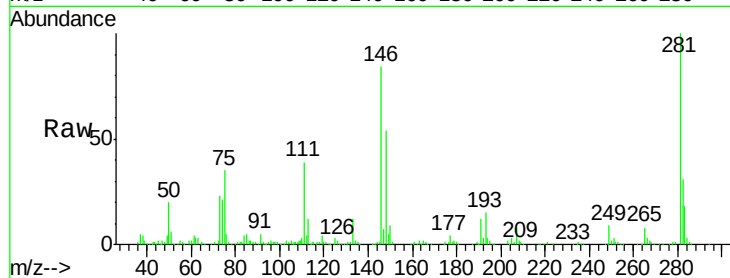
ClientSampleId :

VSTDIC001

Tot Ion:	146	Resp:	339280
Ion Ratio	Lower	Upper	
146	100		
111	45.1	22.2	66.6
148	64.6	32.4	97.2

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#76

1,4-Dichlorobenzene

Concen: 1.078 ppbv m

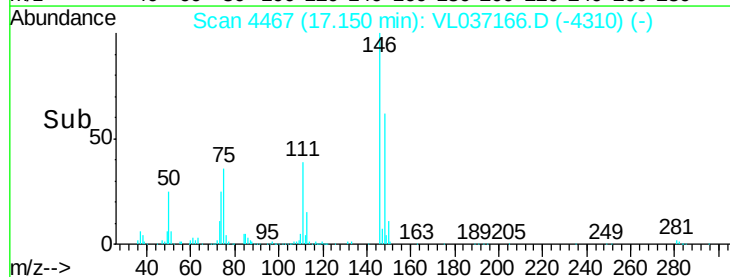
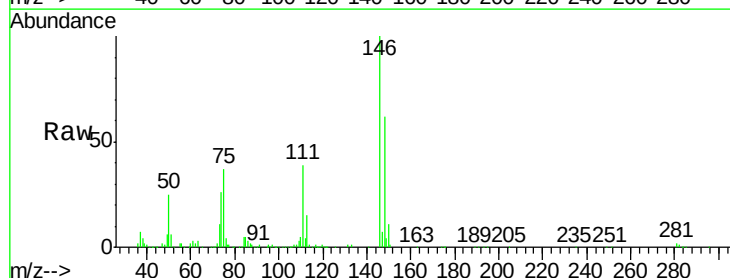
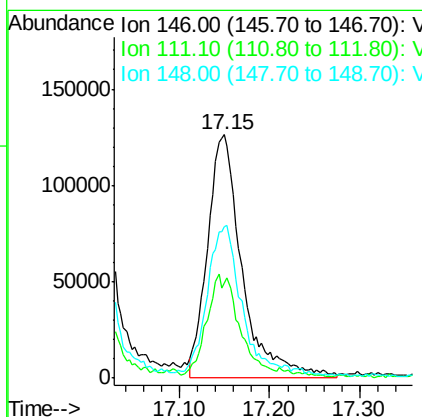
RT: 17.15 min Scan# 4467

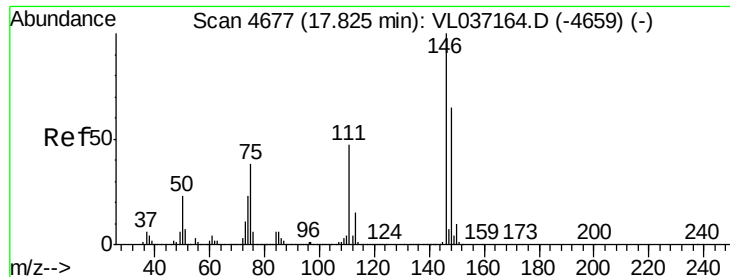
Delta R.T. 0.00 min

Lab File: VL037166.D

Acq: 16 Jun 2021 10:42

Tgt Ion:	146	Resp:	341709
Ion Ratio	Lower	Upper	
146	100		
111	41.8	22.7	68.0
148	63.0	33.7	101.1





#77

1,2-Dichlorobenzene

Concen: 1.071 ppbv m

RT: 17.83 min Scan# 4678

Delta R.T. 0.00 min

Lab File: VL037166.D

Acq: 16 Jun 2021 10:42

Instrument :

MSVOA_L

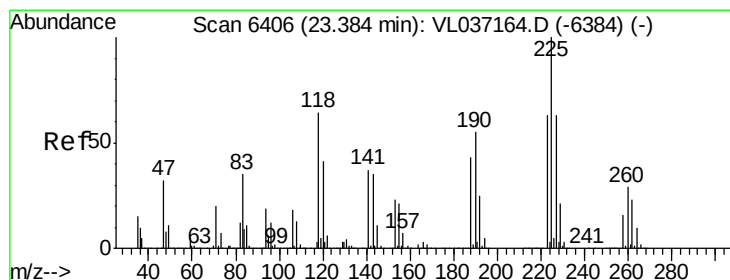
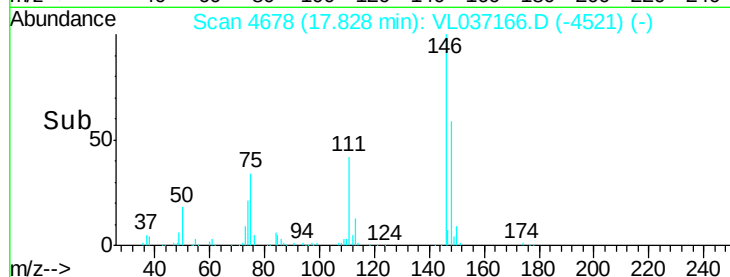
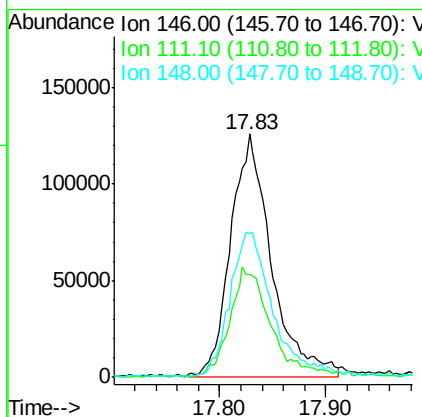
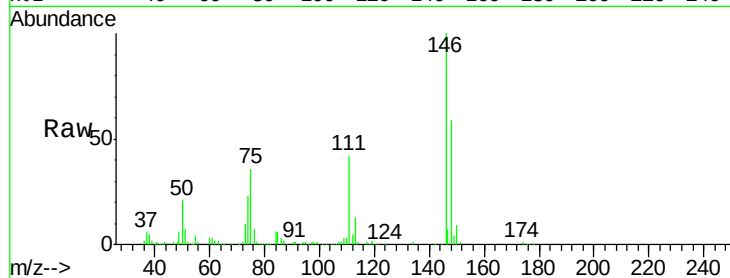
ClientSampleId :

VSTDIC001

Tot Ion:	146	Resp:	337204
Ion Ratio	Lower	Upper	
146	100		
111	45.5	23.3	69.8
148	62.9	32.4	97.0

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#78

Hexachloro-1,3-Butadiene

Concen: 1.331 ppbv m

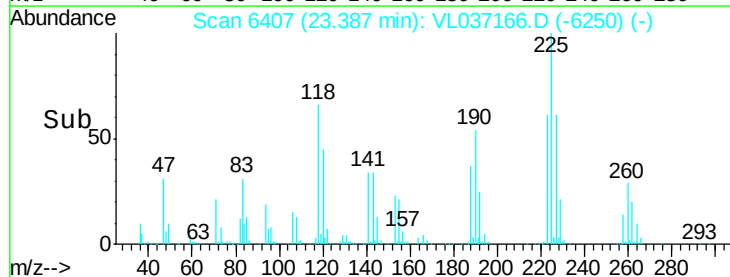
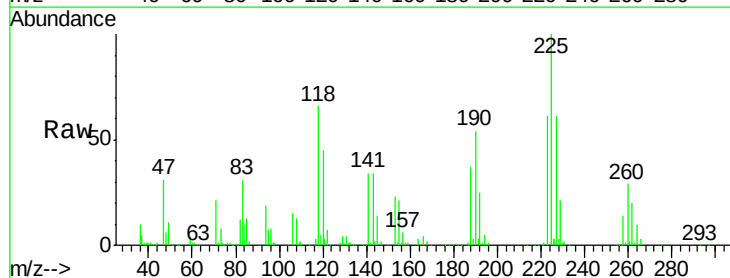
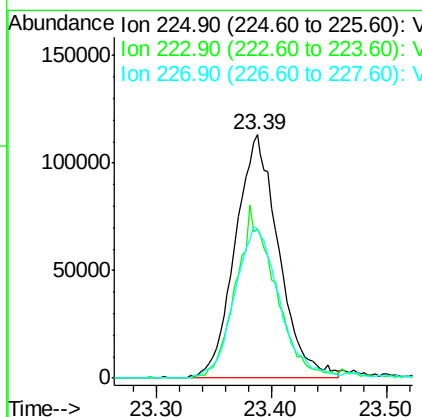
RT: 23.39 min Scan# 6407

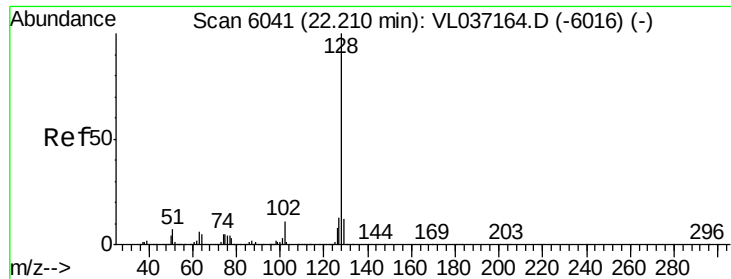
Delta R.T. 0.00 min

Lab File: VL037166.D

Acq: 16 Jun 2021 10:42

Tgt Ion:	225	Resp:	296949
Ion Ratio	Lower	Upper	
225	100		
223	65.8	51.8	77.8
227	65.0	51.4	77.0





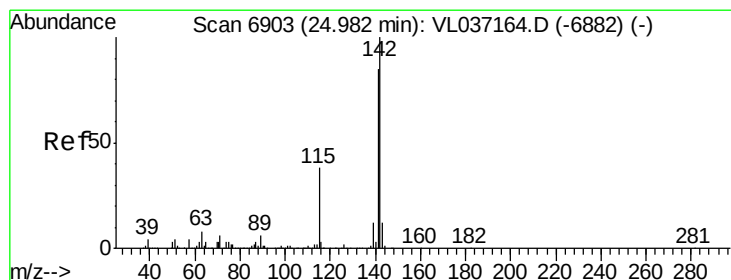
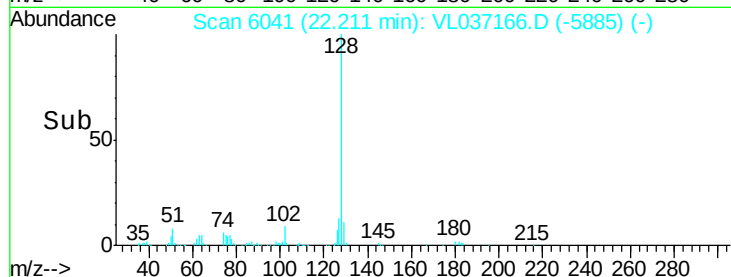
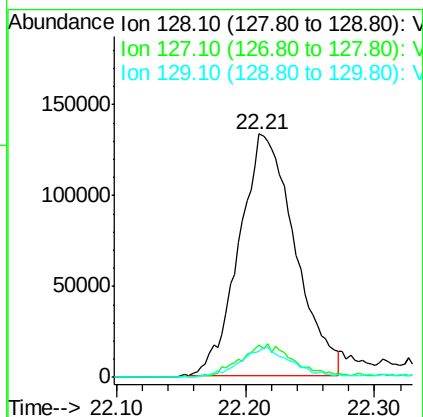
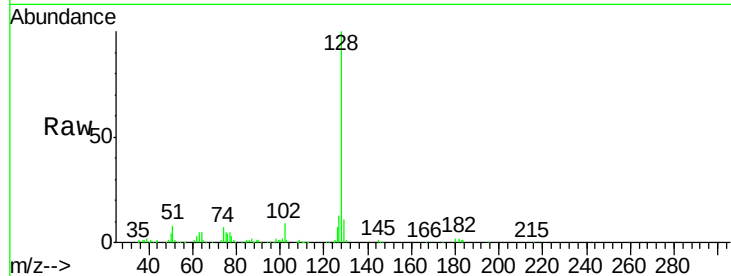
#79
Naphthalene
Concen: 1.279 ppbv
RT: 22.21 min Scan# 6041
Delta R.T. 0.00 min
Lab File: VL037166.D
Acq: 16 Jun 2021 10:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.7	16.1
129	10.9	9.3	13.9

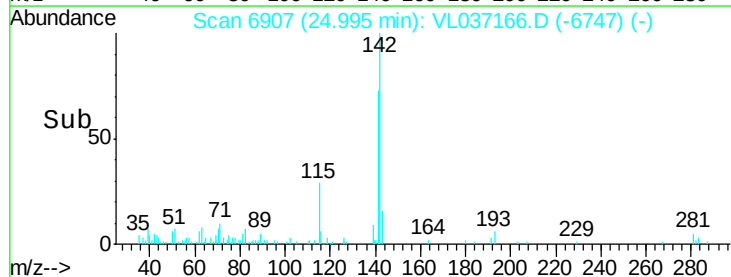
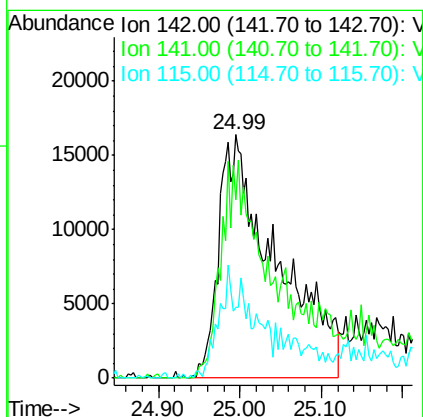
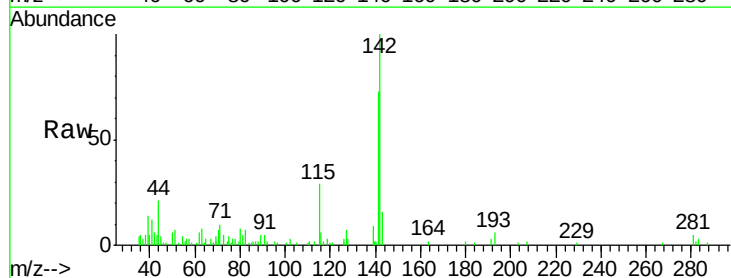
Manual Integrations
APPROVED

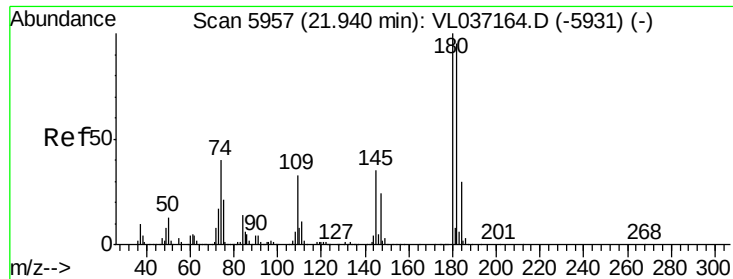
MMDadoda
6/17/2021 5:37:17 PM



#80
Naphthalene, 2-methyl-
Concen: 1.061 ppbv
RT: 24.99 min Scan# 6907
Delta R.T. 0.01 min
Lab File: VL037166.D
Acq: 16 Jun 2021 10:42

Tgt Ion	Ratio	Lower	Upper
142	100		
141	86.7	63.7	95.5
115	30.4	30.6	45.8#





#81
 1,2,4-Trichlorobenzene
 Concen: 1.302 ppbv m
 RT: 21.94 min Scan# 5958
 Delta R.T. 0.00 min
 Lab File: VL037166.D
 Acq: 16 Jun 2021 10:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
180	100	258429		
182	97.6		79.3	118.9
184	0.0		24.7	37.1#

Manual Integrations
 APPROVED

MMDadoda
 6/17/2021 5:37:17 PM

