

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061621\
 Data File : VL037165.D
 Acq On : 16 Jun 2021 10:04
 Operator : SY/AP
 Sample : VSTDIC002
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Manual Integrations
 APPROVED

MMDadoda
 6/17/2021 5:37:15 PM

Quant Time: Jun 16 12:20:31 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 16 12:20:31 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	1572013	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4642565	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	4448230	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.43	95	3239582	9.89	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.90%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	514193	2.054 ppbv	97
3) Chlorodifluoromethane	2.99	51	641221	2.174 ppbv	99
4) Chloromethane	3.14	50	212698	2.117 ppbv	98
5) Vinyl Chloride	3.26	62	234536	2.413 ppbv	98
6) Bromomethane	3.47	94	131990	2.135 ppbv	98
7) Chloroethane	3.56	64	85338m	2.250 ppbv	
8) Dichlorotetrafluoroethane	3.19	85	572876	2.142 ppbv	98
9) Propene	3.01	41	209125	2.150 ppbv	100
10) Heptane	8.13	43	516080	2.226 ppbv	98
11) Trichlorofluoromethane	3.95	101	605599	2.132 ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	429660	2.205 ppbv	98
13) Ethanol	3.62	45	33486m	2.492 ppbv	
14) Bromoethene	3.74	108	177010	2.099 ppbv	94
15) Acetone	3.86	43	432819	2.301 ppbv	# 84
16) 1,3-Butadiene	3.33	39	227092	2.236 ppbv	98
17) tert-Butyl alcohol	4.30	59	366702	2.253 ppbv	98
18) 1,1-Dichloroethene	4.29	96	185693	2.112 ppbv	99
19) Isopropyl Alcohol	3.98	45	234549m	2.272 ppbv	
20) Methylene Chloride	4.35	84	265031m	3.233 ppbv	
21) Allyl Chloride	4.42	41	288152m	2.293 ppbv	
22) trans-1,2-Dichloroethene	4.89	96	192686	2.250 ppbv	98
23) Vinyl Acetate	5.08	43	561873	2.275 ppbv	100
24) 1,1-Dichloroethane	5.02	63	438064	2.210 ppbv	99
25) Ethyl Acetate	5.69	43	838234	2.274 ppbv	98
26) Hexane	5.69	57	420968	2.297 ppbv	95
27) Carbon Disulfide	4.56	76	404107	2.174 ppbv	96
28) Methyl tert-Butyl Ether	5.04	73	489928	2.134 ppbv	100
29) Chloroform	5.76	83	629477	2.127 ppbv	98
30) Cyclohexane	7.14	84	342026	2.140 ppbv	88
31) cis-1,2-Dichloroethene	5.55	61	367755	2.082 ppbv	100
32) 1,1,1-Trichloroethane	6.52	97	649989	2.392 ppbv	100
34) 2-Butanone	5.25	43	412895m	2.368 ppbv	
35) Carbon Tetrachloride	7.03	117	673975	2.362 ppbv	94
36) Benzene	6.90	78	797796	2.166 ppbv	98
37) 1,2-Dichloroethane	6.31	62	476048m	2.225 ppbv	
38) Trichloroethene	7.84	130	356258m	2.238 ppbv	
39) 1,2-Dichloropropane	7.62	63	297822	2.117 ppbv	96
40) 1,4-Dioxane	7.86	88	78705	1.998 ppbv	65
41) Tetrahydrofuran	6.07	42	176113	2.075 ppbv	96
42) Bromodichloromethane	7.80	83	646144	2.192 ppbv	99
43) Methyl Methacrylate	8.02	69	276657	2.189 ppbv	97

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Manual Integrations
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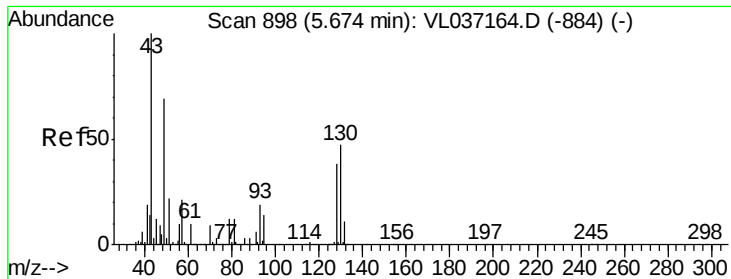
MMDadoda
 6/17/2021 5:37:15 PM

Quant Time: Jun 16 12:20:31 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 16 12:20:31 2021
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.87	57	1392244	2.258	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	241512m	2.121	ppbv	
46) cis-1,3-Dichloropropene	8.71	75	333300	2.193	ppbv	95
47) 1,1,2-Trichloroethane	9.48	97	330404	2.071	ppbv	98
48) Dibromochloromethane	10.32	129	545693	2.120	ppbv	96
49) Bromoform	13.05	173	417351	2.076	ppbv	100
50) 4-Methyl-2-Pentanone	8.76	43	540451	2.107	ppbv	98
51) 2-Hexanone	10.16	43	271527	2.121	ppbv #	99
52) Tetrachloroethene	11.23	164	341343	2.240	ppbv	95
53) Toluene	9.82	91	979146	2.236	ppbv	98
54) 1,2-Dibromoethane	10.62	107	504195	2.158	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.14	131	406214m	2.094	ppbv	
57) Chlorobenzene	12.15	112	749452	2.103	ppbv	100
58) Ethyl Benzene	12.72	91	1319861	2.191	ppbv	99
59) m/p-Xylene	13.00	91	2212857m	4.322	ppbv	
60) o-Xylene	13.70	91	1065122	2.167	ppbv	99
61) Styrene	13.54	104	539220	2.080	ppbv	98
62) Isopropylbenzene	14.67	105	1502881	2.145	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.69	83	677532	2.120	ppbv	99
64) n-propylbenzene	15.57	120	375050	2.099	ppbv	82
65) tert-Butylbenzene	16.75	119	1395250	2.197	ppbv	100
66) Benzyl Chloride	17.00	91	57652m	2.080	ppbv	
67) sec-Butylbenzene	17.30	105	1850998	2.194	ppbv	98
69) p-Isopropyltoluene	17.66	119	1584845	2.247	ppbv	98
70) n-Butylbenzene	18.56	91	1458294	2.260	ppbv	98
71) 2-Chlorotoluene	15.46	91	1052843	2.106	ppbv	100
72) 4-Ethyltoluene	15.85	105	1205907	2.112	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	1135065	2.095	ppbv	94
74) 1,2,4-Trimethylbenzene	16.77	105	1208673	2.193	ppbv	95
75) 1,3-Dichlorobenzene	17.00	146	717761	2.115	ppbv	99
76) 1,4-Dichlorobenzene	17.15	146	742835m	2.204	ppbv	
77) 1,2-Dichlorobenzene	17.82	146	698267	2.087	ppbv	99
78) Hexachloro-1,3-Butadiene	23.38	225	614123	2.589	ppbv	98
79) Naphthalene	22.21	128	1065846	3.213	ppbv	99
80) Naphthalene, 2-methyl-	24.99	142	238299	2.969	ppbv #	83
81) 1,2,4-Trichlorobenzene	21.94	180	598560	2.836	ppbv	100

(#) = 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: VL037165.D

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MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 49 Resp: 1572013

Ion Ratio Lower Upper

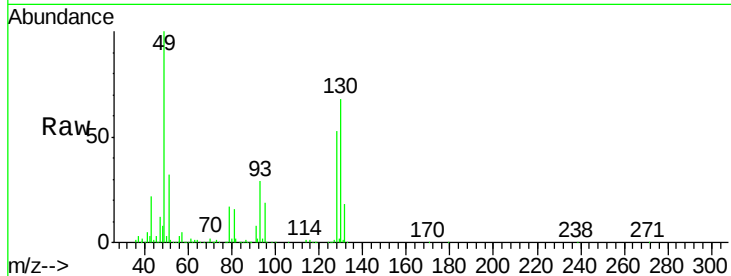
49 100

128 57.5 29.3 88.0

130 73.6 35.9 107.8

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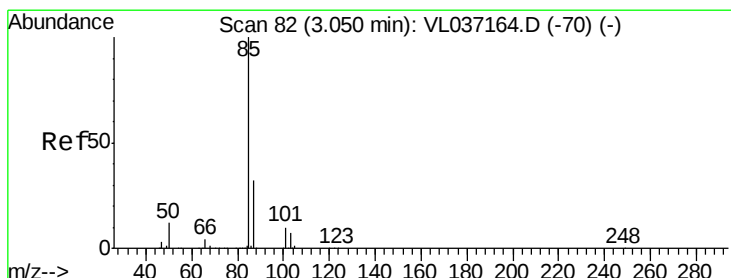
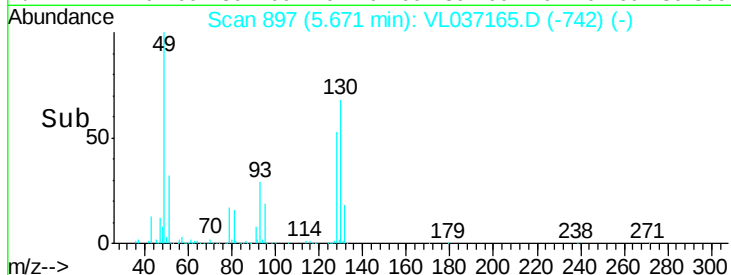
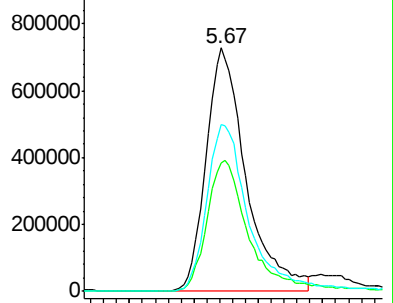
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 2.054 ppbv

RT: 3.05 min Scan# 82

Delta R.T. 0.00 min

Lab File: VL037165.D

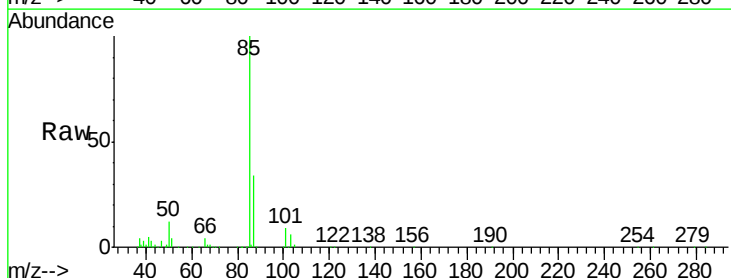
Acq: 16 Jun 2021 10:04

Tgt Ion: 85 Resp: 514193

Ion Ratio Lower Upper

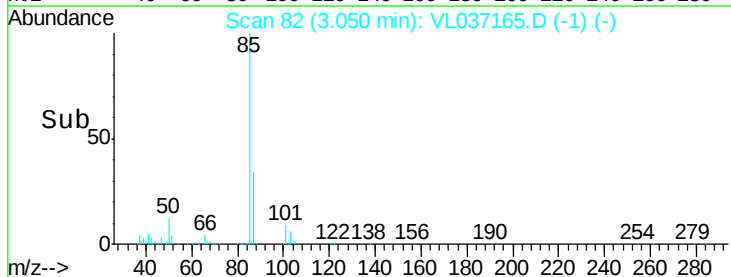
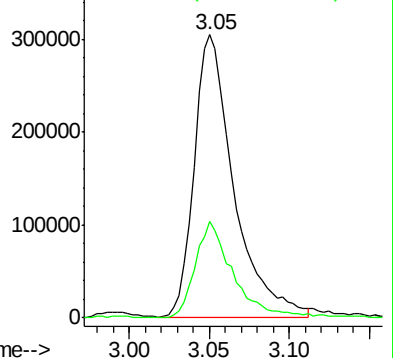
85 100

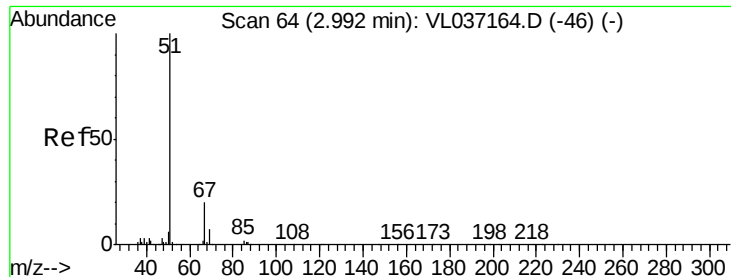
87 33.8 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 2.174 ppbv

RT: 2.99 min Scan# 63

Delta R.T. -0.00 min

Lab File: VL037165.D

Acq: 16 Jun 2021 10:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 51 Resp: 641221

Ion Ratio Lower Upper

51 100

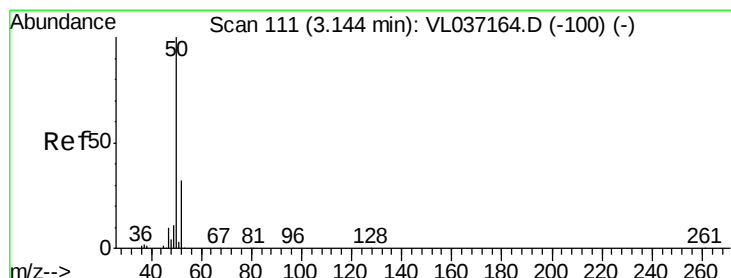
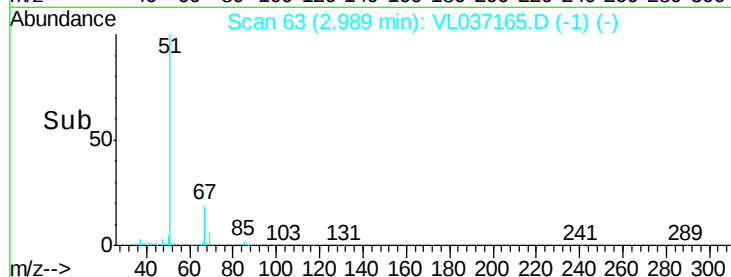
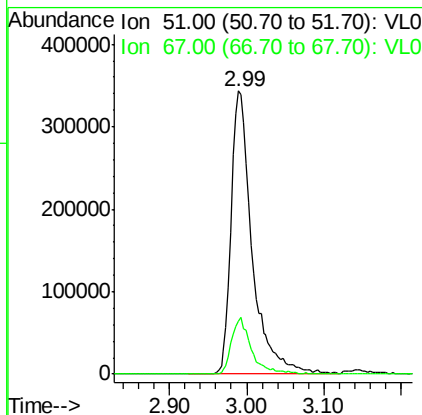
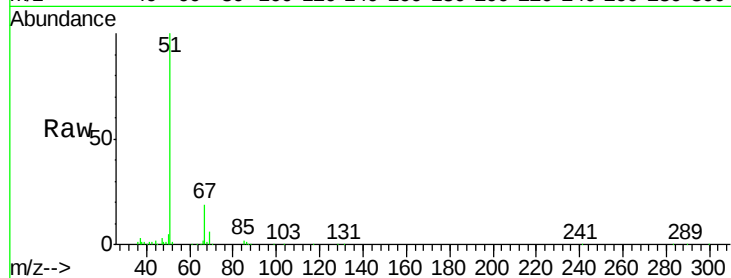
67 19.1 15.8 23.6

Manual Integrations

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#4

Chloromethane

Concen: 2.117 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.00 min

Lab File: VL037165.D

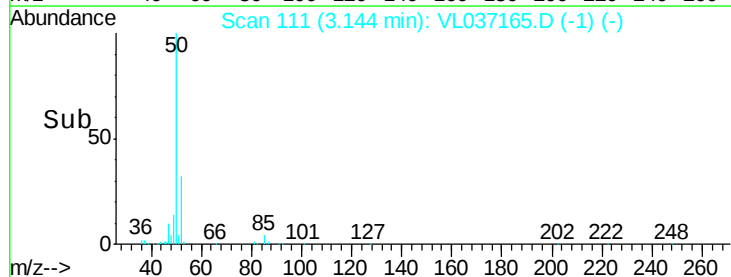
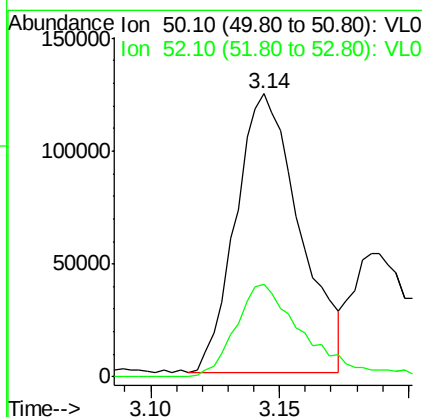
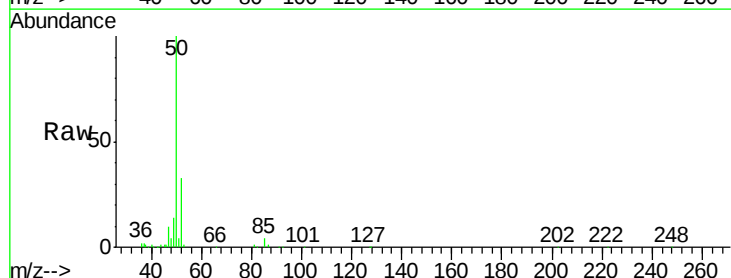
Acq: 16 Jun 2021 10:04

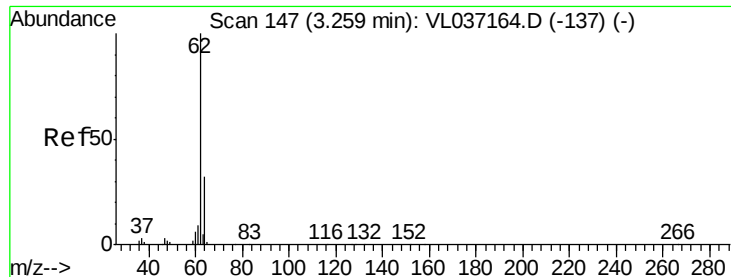
Tgt Ion: 50 Resp: 212698

Ion Ratio Lower Upper

50 100

52 33.2 25.8 38.8





#5

Vinyl Chloride

Concen: 2.413 ppbv

RT: 3.26 min Scan# 148

Delta R.T. 0.00 min

Lab File: VL037165.D

Acq: 16 Jun 2021 10:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 62 Resp: 234536

Ion Ratio Lower Upper

62 100

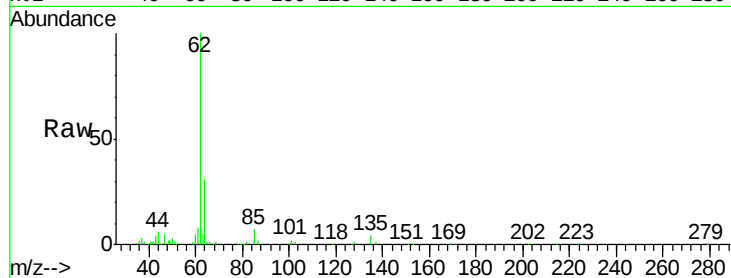
64 31.1 25.6 38.4

Manual Integrations

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.26

150000

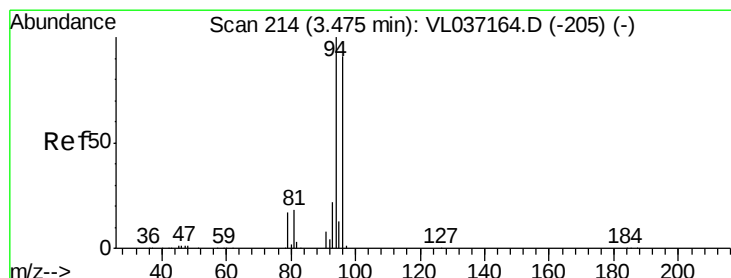
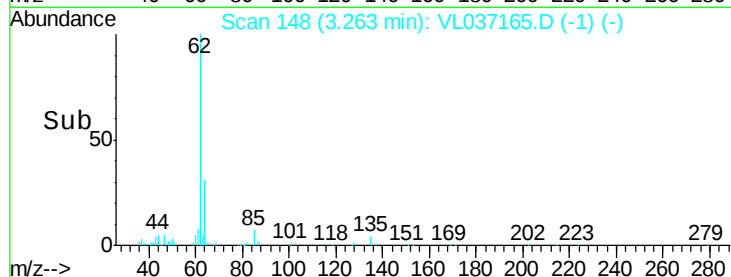
100000

50000

0

3.20 3.25 3.30 3.35

Time-->



#6

Bromomethane

Concen: 2.135 ppbv

RT: 3.47 min Scan# 214

Delta R.T. 0.00 min

Lab File: VL037165.D

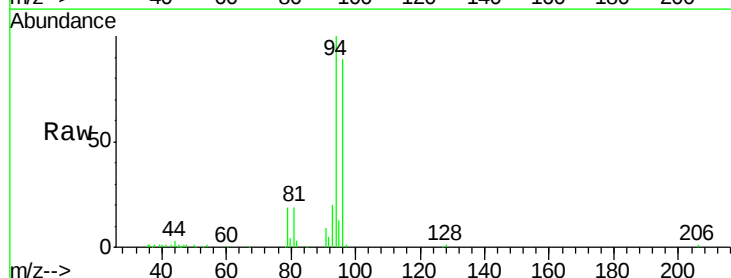
Acq: 16 Jun 2021 10:04

Tgt Ion: 94 Resp: 131990

Ion Ratio Lower Upper

94 100

96 88.4 72.6 108.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

80000

60000

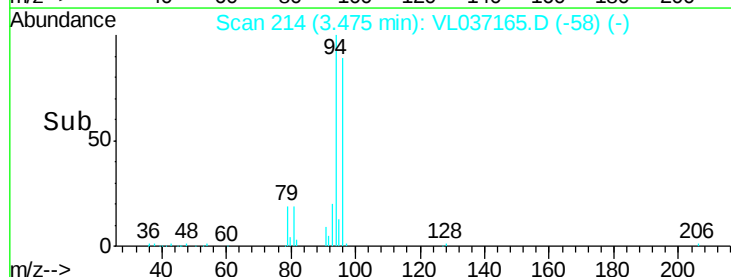
40000

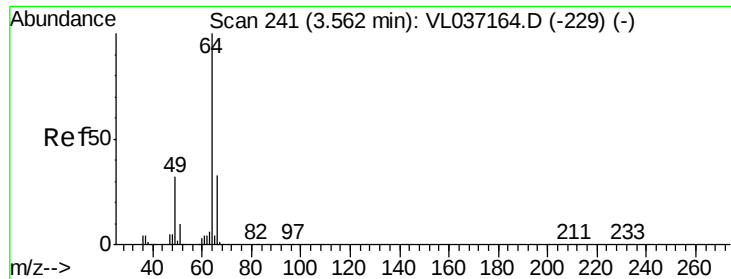
20000

0

3.45 3.50 3.55

Time-->





#7

Chloroethane

Concen: 2.250 ppbv m

RT: 3.56 min Scan# 241

Delta R.T. 0.00 min

Lab File: VL037165.D

Acq: 16 Jun 2021 10:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 64 Resp: 85338

Ion Ratio Lower Upper

64 100

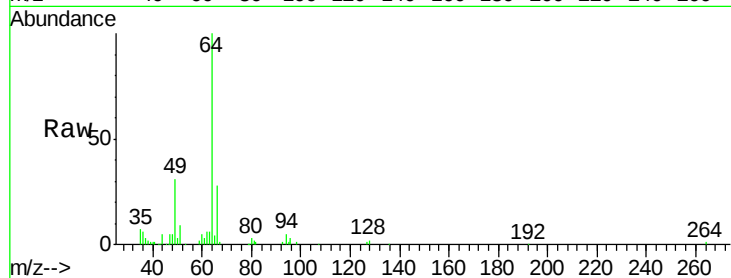
66 28.3 26.2 39.4

Manual Integrations

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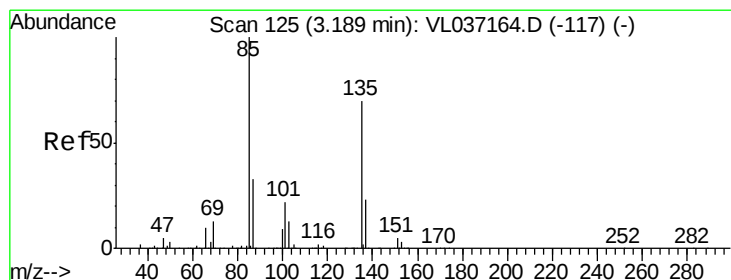
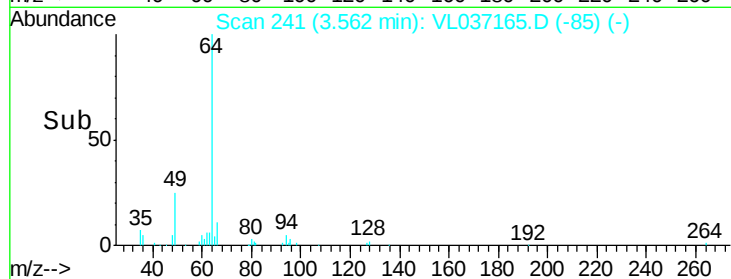
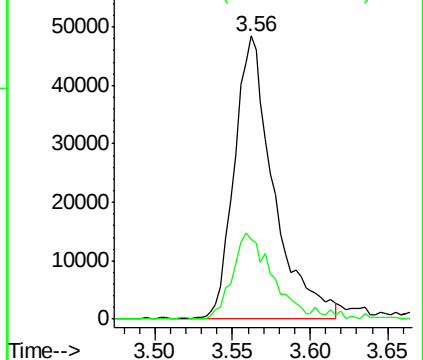
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 2.142 ppbv

RT: 3.19 min Scan# 125

Delta R.T. 0.00 min

Lab File: VL037165.D

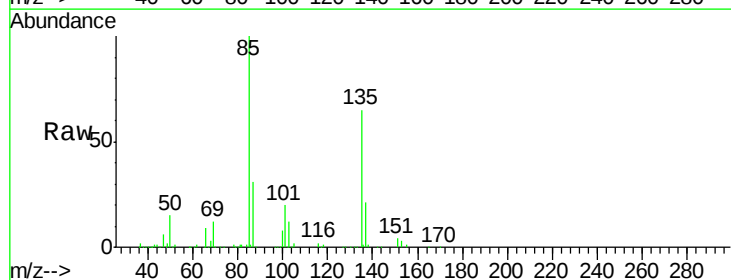
Acq: 16 Jun 2021 10:04

Tgt Ion: 85 Resp: 572876

Ion Ratio Lower Upper

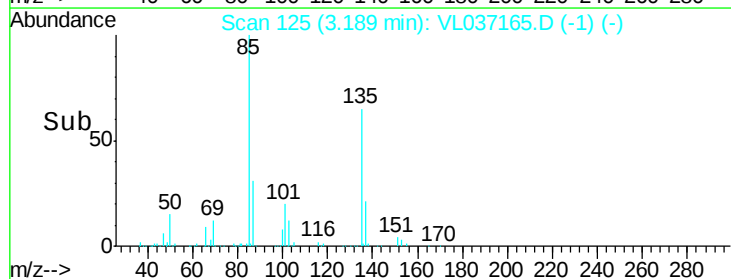
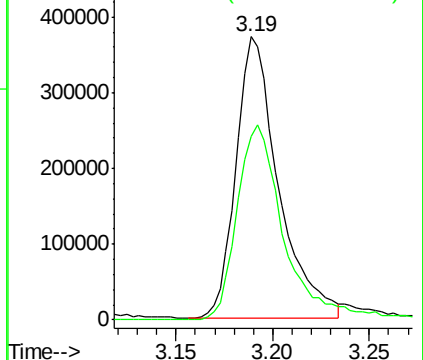
85 100

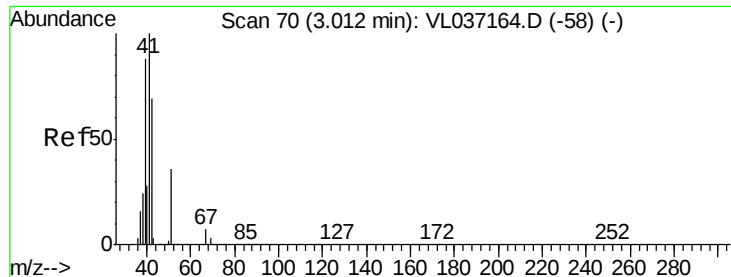
135 77.3 60.4 90.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 2.150 ppbv

RT: 3.01 min Scan# 70

Delta R.T. 0.00 min

Lab File: VL037165.D

Acq: 16 Jun 2021 10:04

Instrument :

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ClientSampleId :

VSTDIC002

Tot Ion: 41 Resp: 209125

Ion Ratio Lower Upper

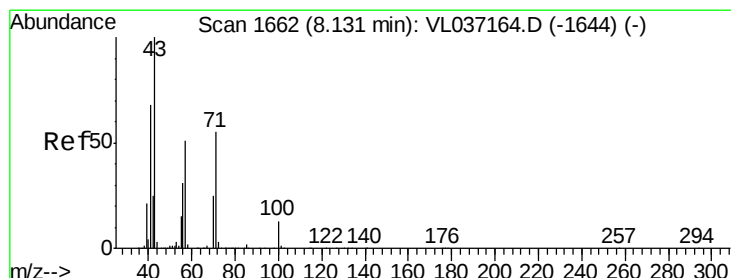
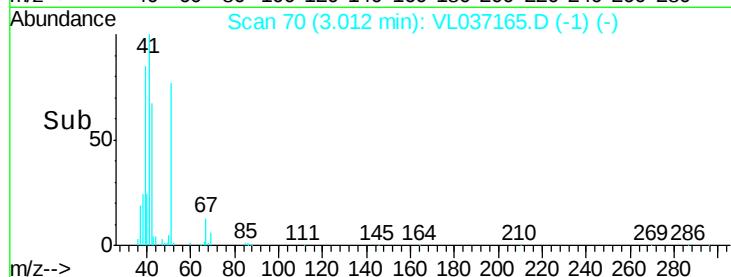
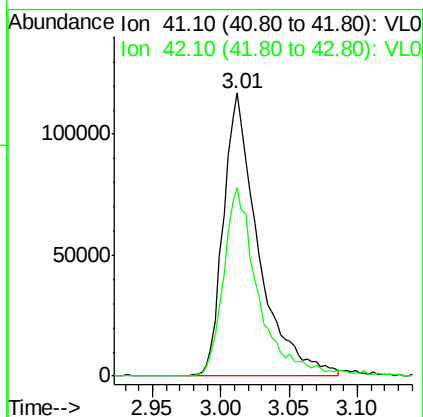
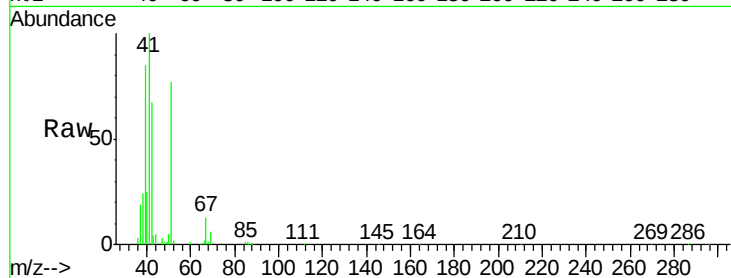
41 100

42 67.7 54.5 81.7

Manual Integrations
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#10

Heptane

Concen: 2.226 ppbv

RT: 8.13 min Scan# 1662

Delta R.T. 0.00 min

Lab File: VL037165.D

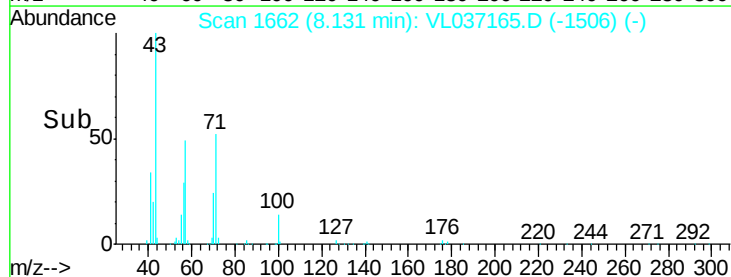
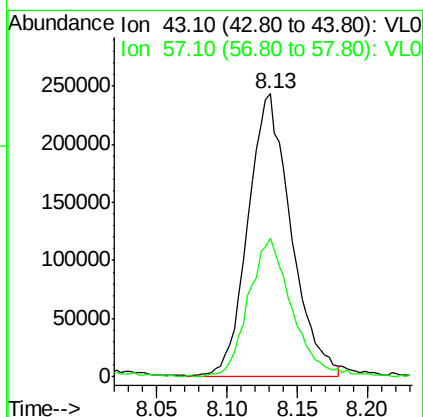
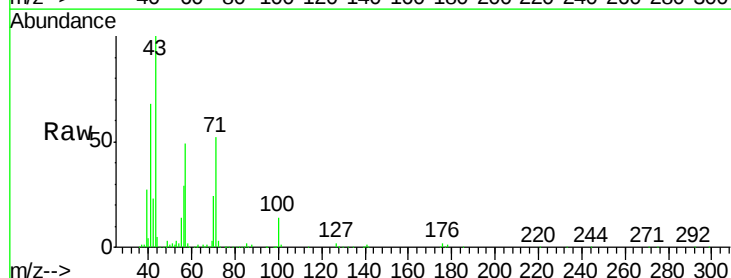
Acq: 16 Jun 2021 10:04

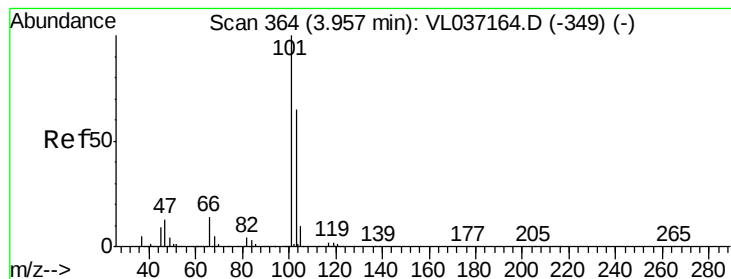
Tgt Ion: 43 Resp: 516080

Ion Ratio Lower Upper

43 100

57 49.6 40.6 61.0





#11

Trichlorofluoromethane

Concen: 2.132 ppbv

RT: 3.95 min Scan# 363

Delta R.T. -0.00 min

Lab File: VL037165.D

Acq: 16 Jun 2021 10:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion:101 Resp: 605599

Ion Ratio Lower Upper

101 100

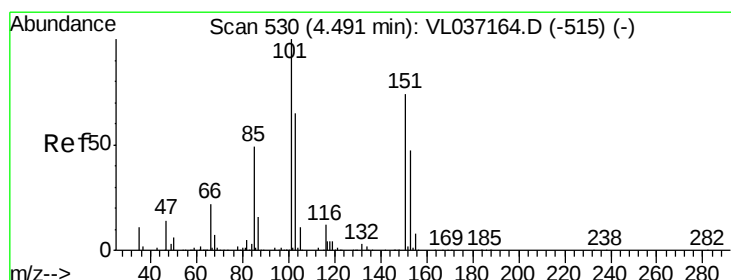
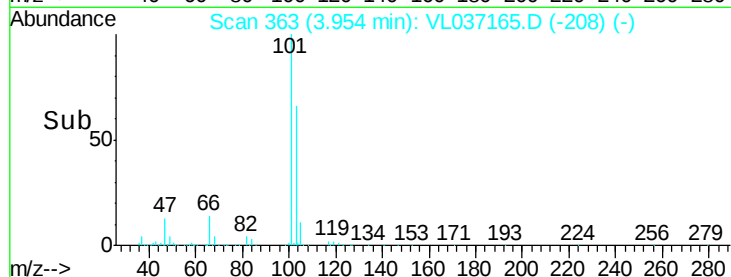
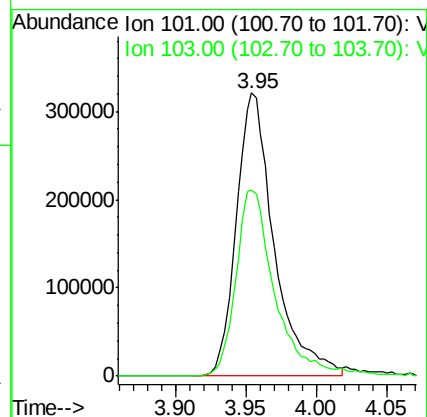
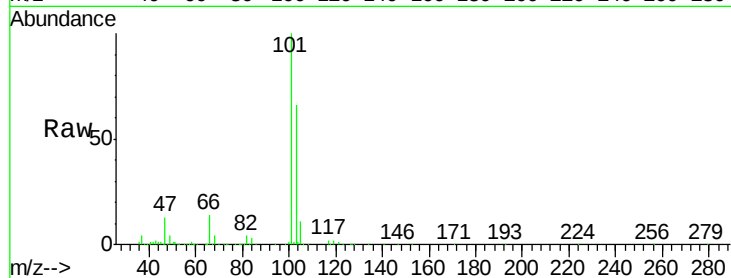
103 65.8 52.2 78.4

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#12

1,1,2-Trichlorotrifluoroethane

Concen: 2.205 ppbv

RT: 4.49 min Scan# 530

Delta R.T. 0.00 min

Lab File: VL037165.D

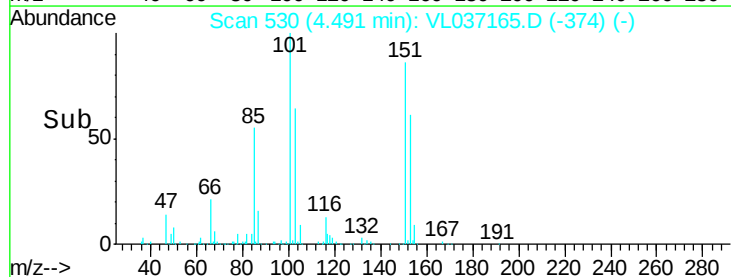
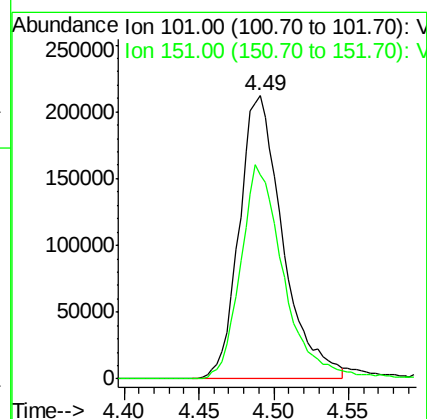
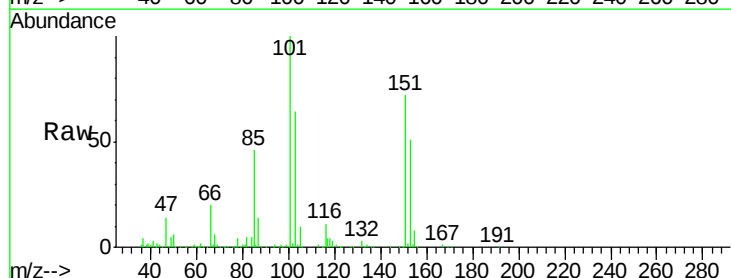
Acq: 16 Jun 2021 10:04

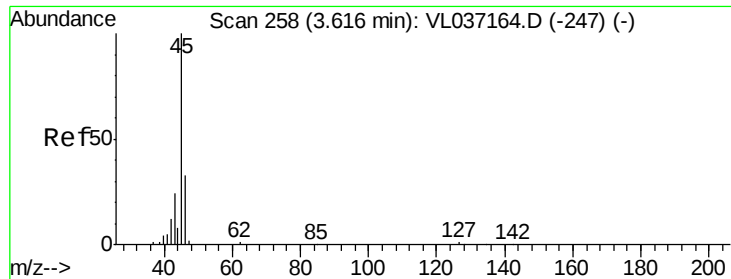
Tgt Ion:101 Resp: 429660

Ion Ratio Lower Upper

101 100

151 75.8 59.1 88.7





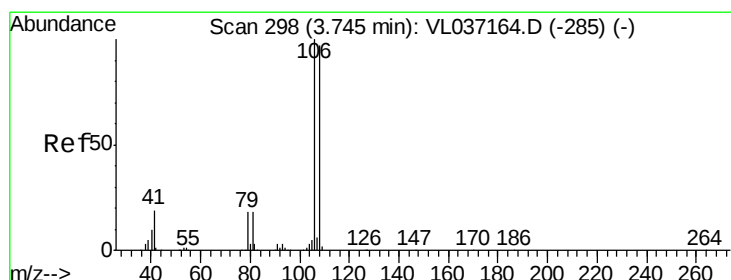
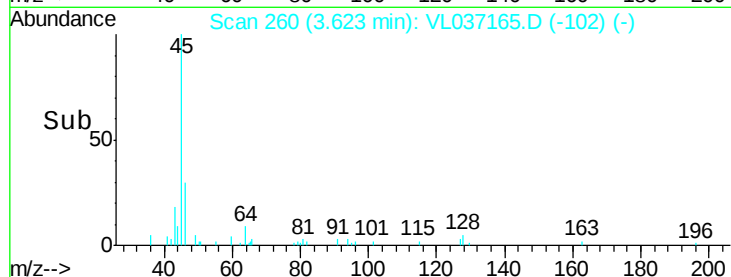
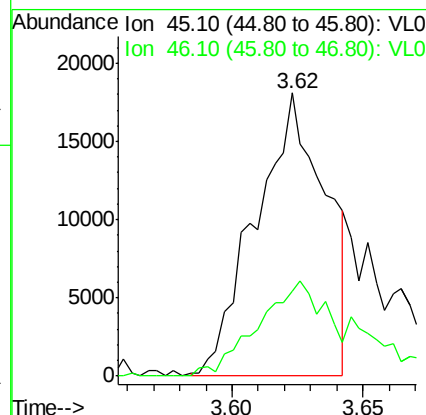
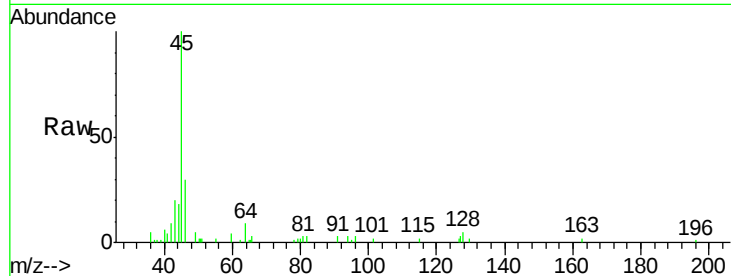
#13
Ethanol
Concen: 2.492 ppbv m
RT: 3.62 min Scan# 260
Delta R.T. 0.01 min
Lab File: VL037165.D
Acq: 16 Jun 2021 10:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	45	Resp	33486
Ion Ratio	100	Lower	Upper
46	47.5	34.2	137.0

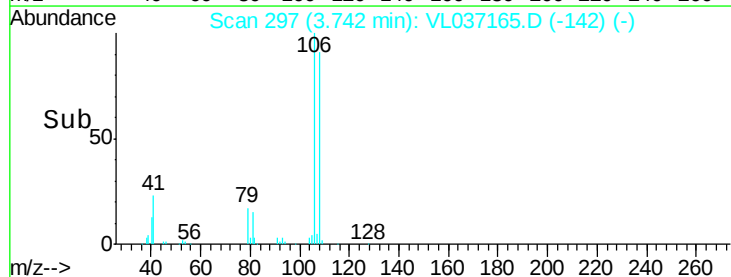
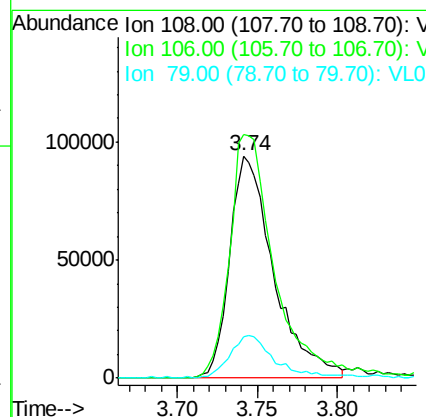
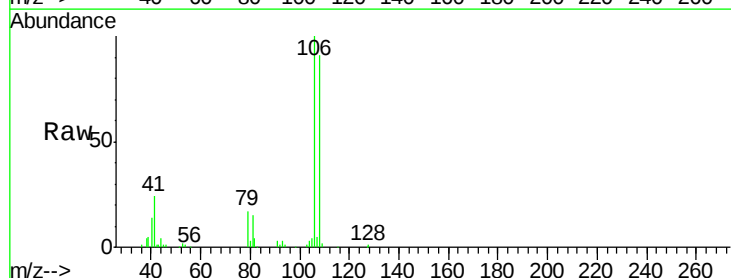
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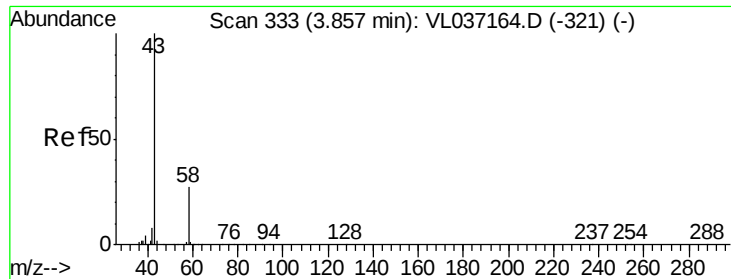
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#14
Bromoethene
Concen: 2.099 ppbv
RT: 3.74 min Scan# 297
Delta R.T. -0.00 min
Lab File: VL037165.D
Acq: 16 Jun 2021 10:04

Tgt Ion	108	Resp	177010
Ion Ratio	100	Lower	Upper
106	115.3	86.8	130.2
79	20.6	15.6	23.4





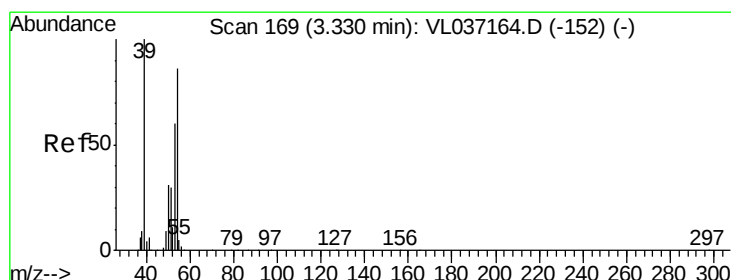
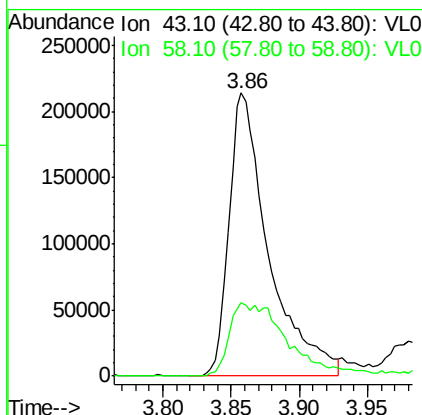
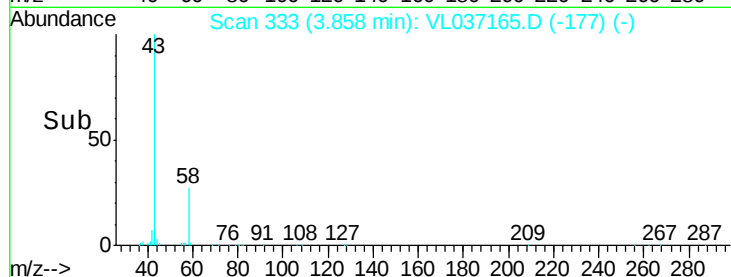
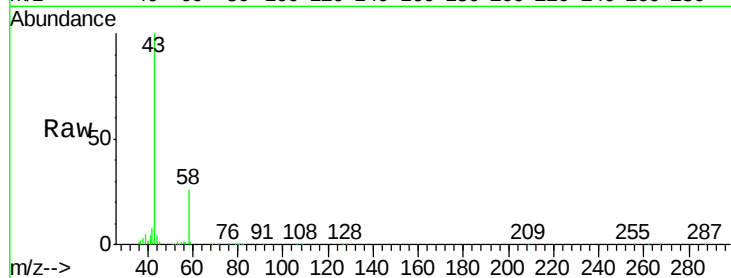
#15
Acetone
Concen: 2.301 ppbv
RT: 3.86 min Scan# 333
Delta R.T. 0.00 min
Lab File: VL037165.D
Acq: 16 Jun 2021 10:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion: 43 Resp: 432819
Ion Ratio Lower Upper
43 100
58 38.2 23.7 35.5#

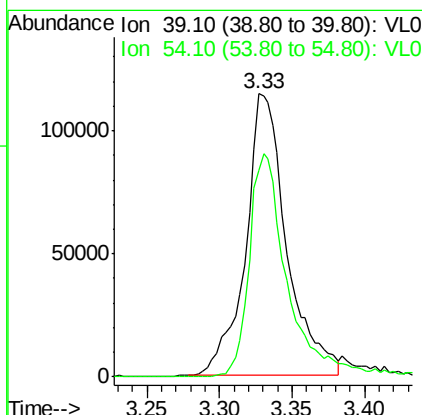
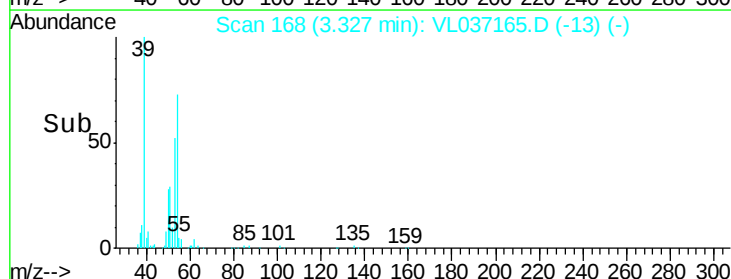
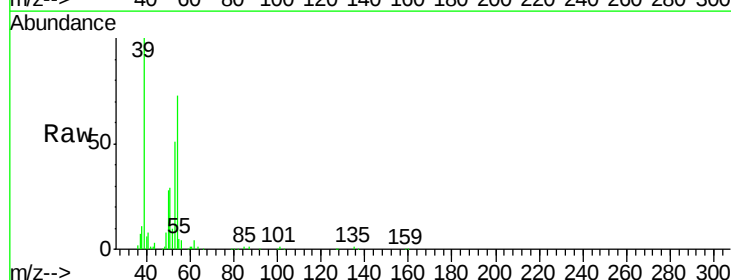
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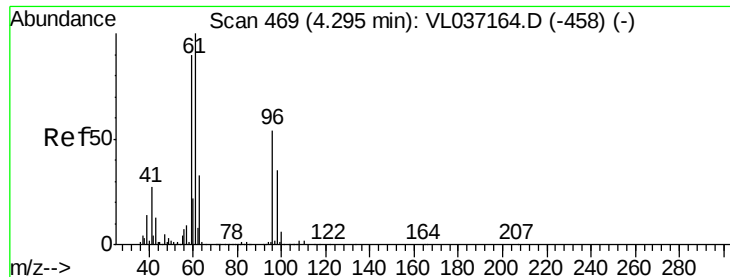
MMDadoda
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#16
1,3-Butadiene
Concen: 2.236 ppbv
RT: 3.33 min Scan# 168
Delta R.T. -0.00 min
Lab File: VL037165.D
Acq: 16 Jun 2021 10:04

Tgt Ion: 39 Resp: 227092
Ion Ratio Lower Upper
39 100
54 74.7 61.2 91.8





#17

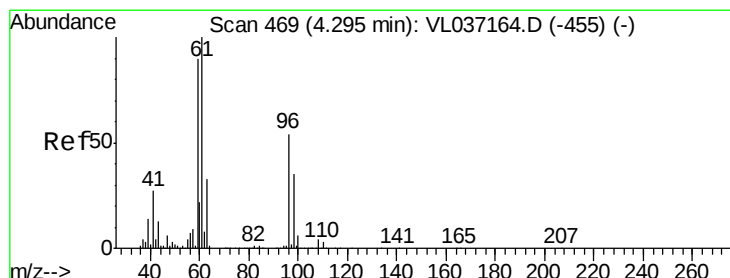
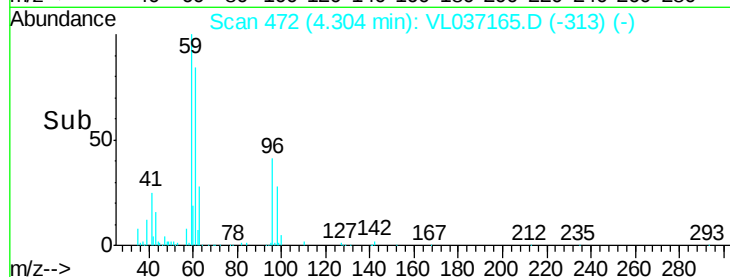
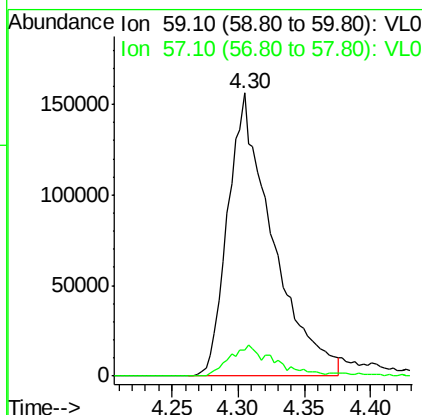
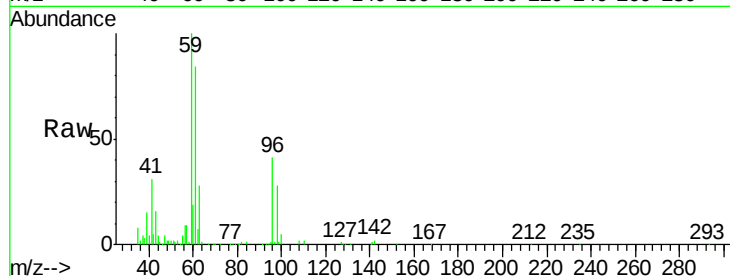
tert-Butyl alcohol
Concen: 2.253 ppbv
RT: 4.30 min Scan# 472
Delta R.T. 0.01 min
Lab File: VL037165.D
Acq: 16 Jun 2021 10:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	59.10	Resp	366702
Ion Ratio	59	100	
Lower	57	11.8	8.8
Upper			13.2

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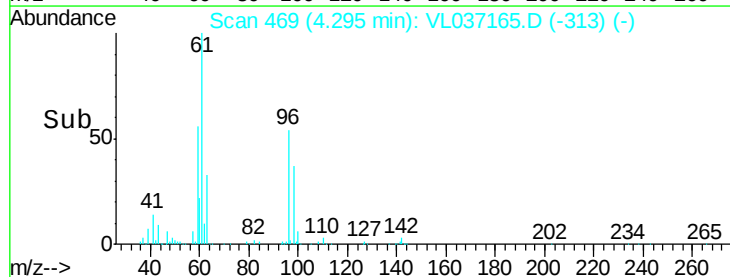
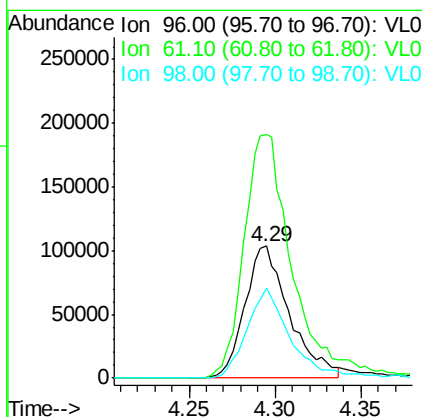
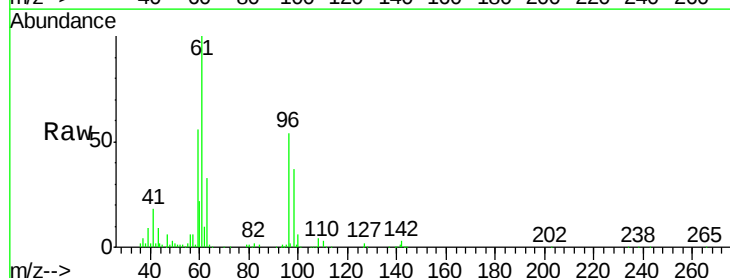
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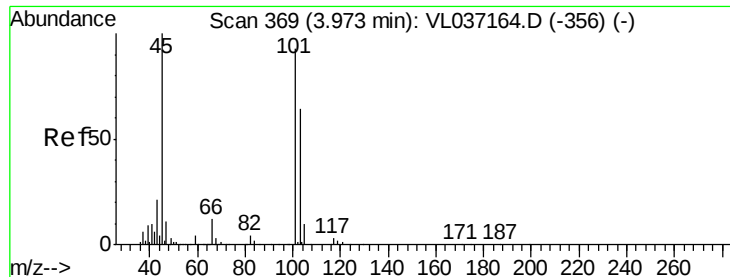


#18

1,1-Dichloroethene
Concen: 2.112 ppbv
RT: 4.29 min Scan# 469
Delta R.T. 0.00 min
Lab File: VL037165.D
Acq: 16 Jun 2021 10:04

Tgt Ion	96	Resp	185693
Ion Ratio	96	100	
Lower	61	184.9	148.6
Upper	98	68.1	51.9





#19

Isopropyl Alcohol

Concen: 2.272 ppbv m

RT: 3.98 min Scan# 371

Delta R.T. 0.01 min

Lab File: VL037165.D

Acq: 16 Jun 2021 10:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 45 Resp: 234549

Ion Ratio Lower Upper

45 100

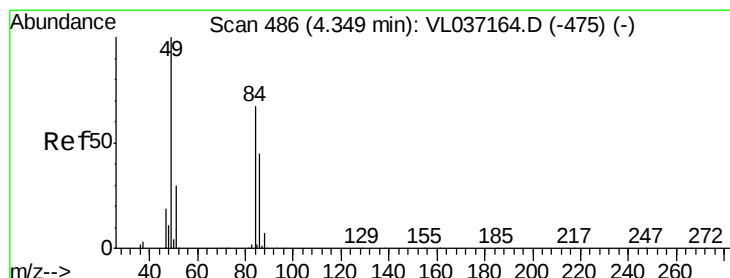
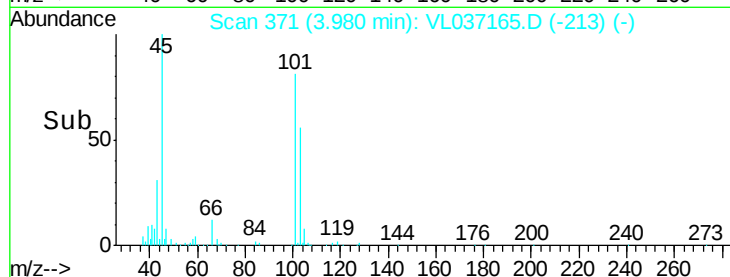
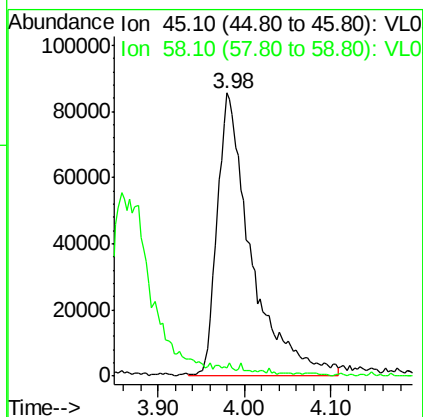
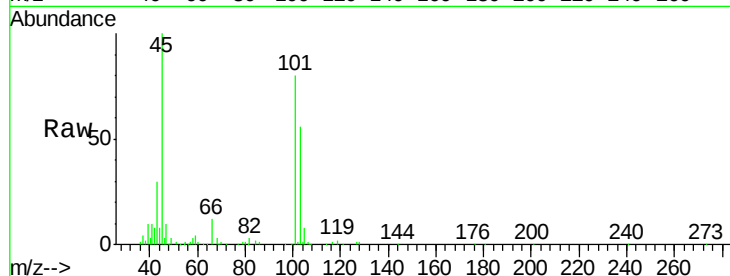
58 4.0 2.4 3.6#

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#20

Methylene Chloride

Concen: 3.233 ppbv m

RT: 4.35 min Scan# 485

Delta R.T. -0.00 min

Lab File: VL037165.D

Acq: 16 Jun 2021 10:04

Tgt Ion: 84 Resp: 265031

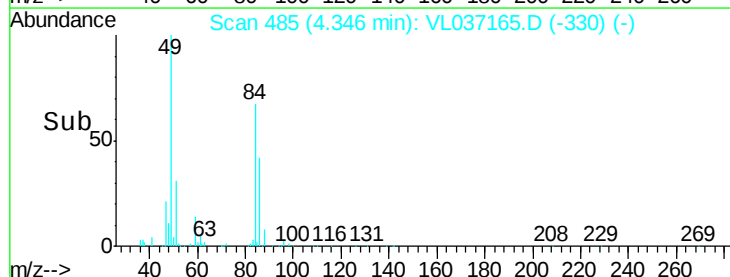
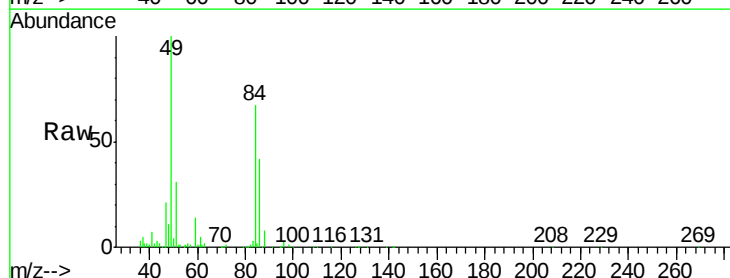
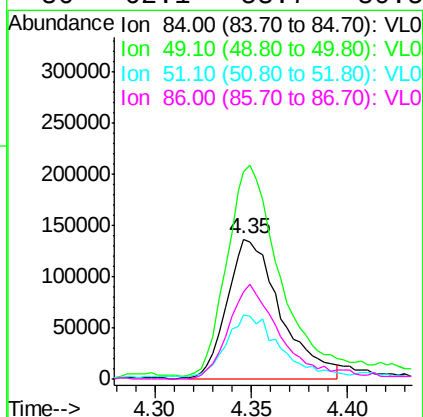
Ion Ratio Lower Upper

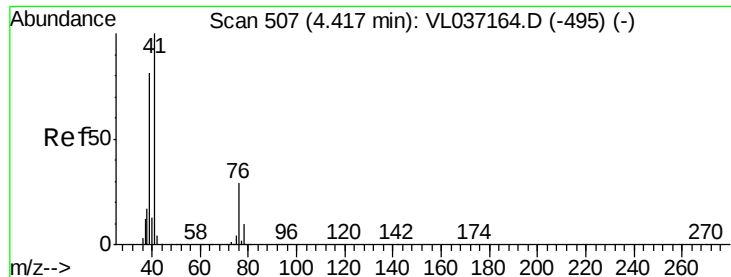
84 100

49 148.8 119.7 179.5

51 46.0 36.1 54.1

86 62.1 53.7 80.5





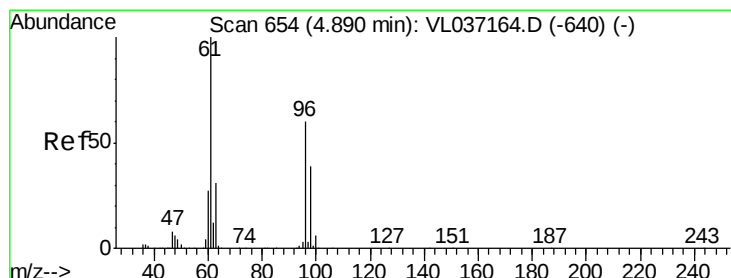
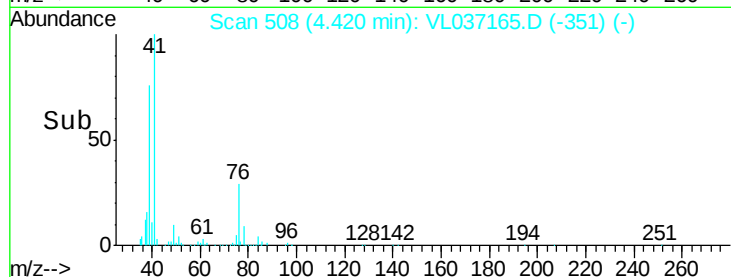
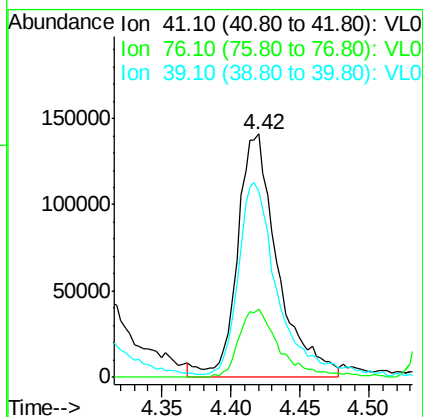
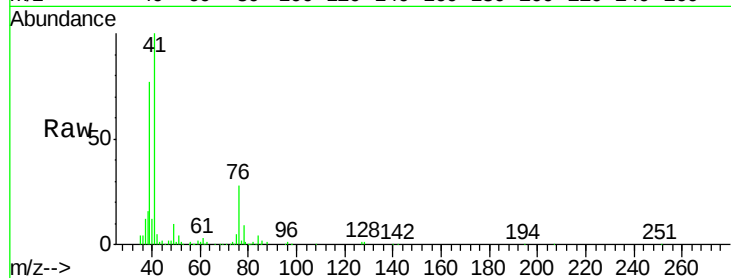
#21
Allvl Chloride
Concen: 2.293 ppbv m
RT: 4.42 min Scan# 508
Delta R.T. 0.00 min
Lab File: VL037165.D
Acq: 16 Jun 2021 10:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
41	100		
76	28.6	24.6	37.0
39	78.0	65.4	98.0

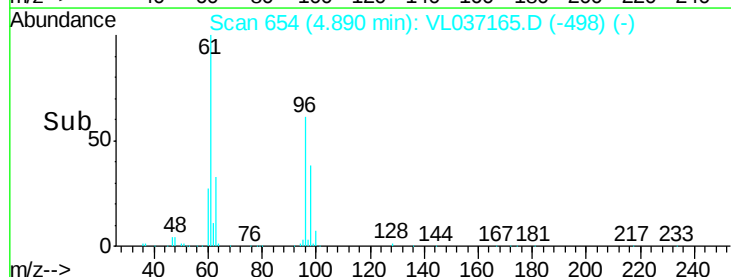
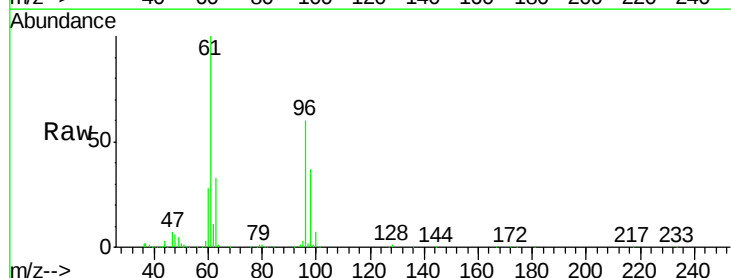
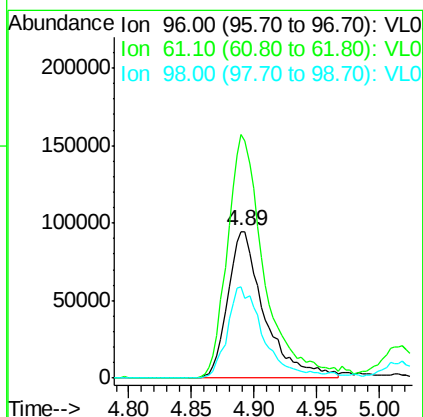
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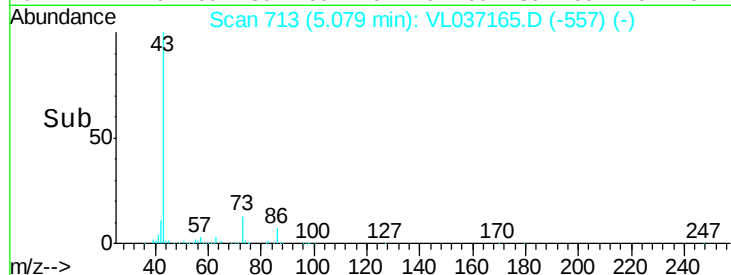
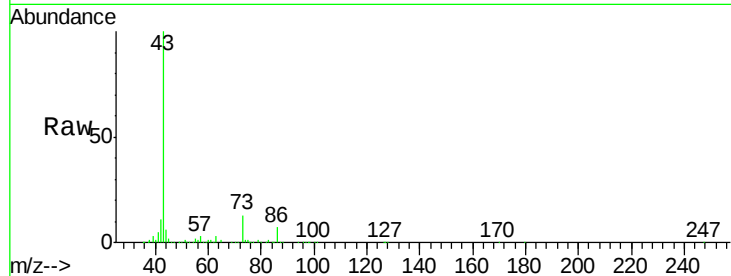
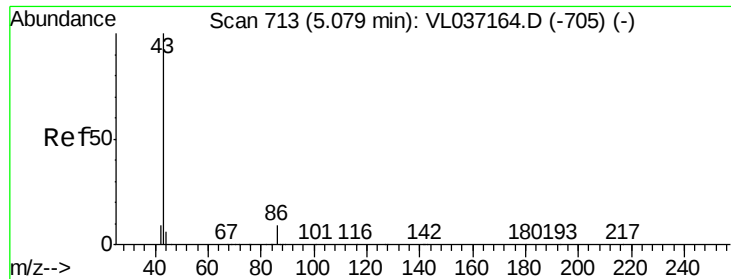
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#22
trans-1,2-Dichloroethene
Concen: 2.250 ppbv
RT: 4.89 min Scan# 654
Delta R.T. 0.00 min
Lab File: VL037165.D
Acq: 16 Jun 2021 10:04

Tgt Ion	Ratio	Lower	Upper
96	100		
61	165.8	133.9	200.9
98	61.8	52.9	79.3





#23

Vinyl Acetate

Concen: 2.275 ppbv

RT: 5.08 min Scan# 713

Delta R.T. 0.00 min

Lab File: VL037165.D

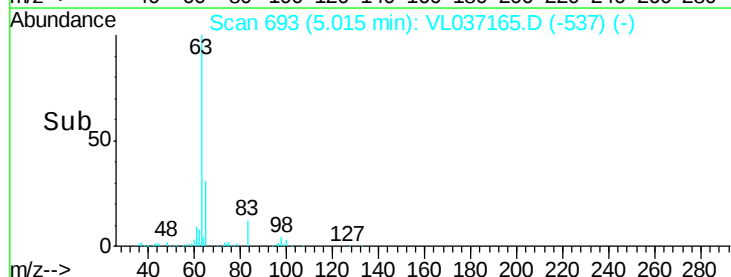
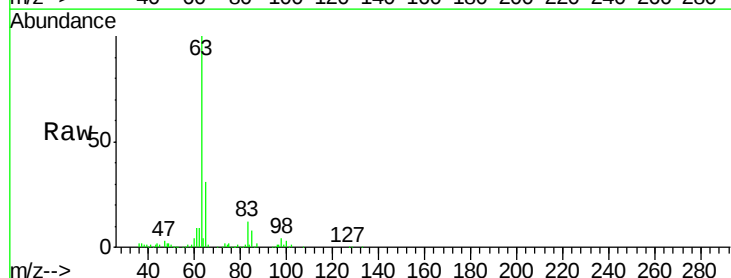
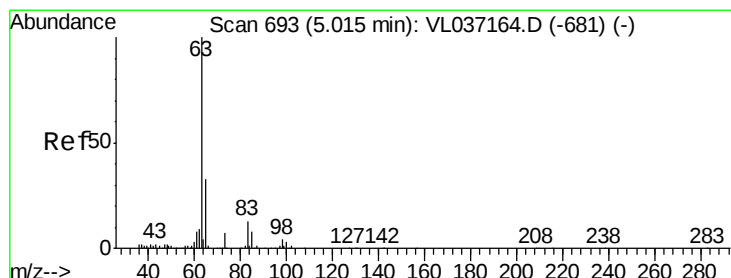
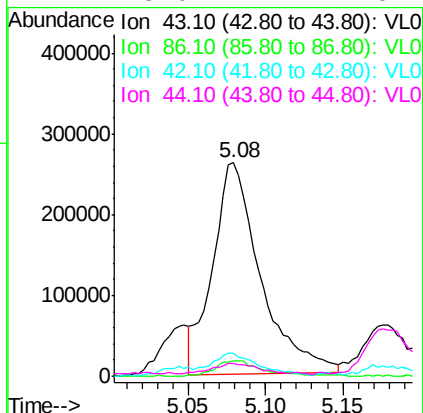
Acq: 16 Jun 2021 10:04

Tot Ion	43	Resp	561873
Ion Ratio	Lower	Upper	
43	100		
86	7.4	5.8	8.8
42	10.2	8.2	12.2
44	5.0	4.2	6.4

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

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6/17/2021 5:37:15 PM



#24

1,1-Dichloroethane

Concen: 2.210 ppbv

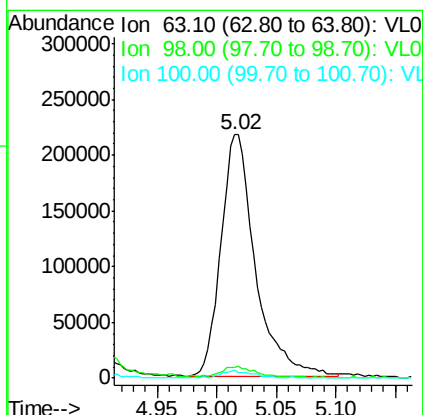
RT: 5.02 min Scan# 693

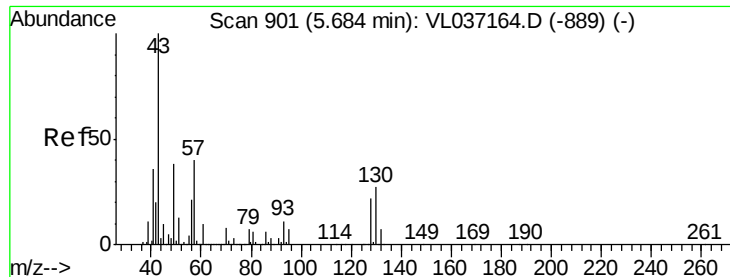
Delta R.T. 0.00 min

Lab File: VL037165.D

Acq: 16 Jun 2021 10:04

Tgt Ion	63	Resp	438064
Ion Ratio	Lower	Upper	
63	100		
98	4.0	2.1	6.5
100	3.3	1.4	4.0





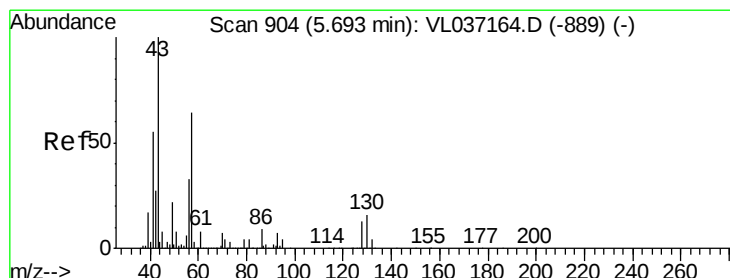
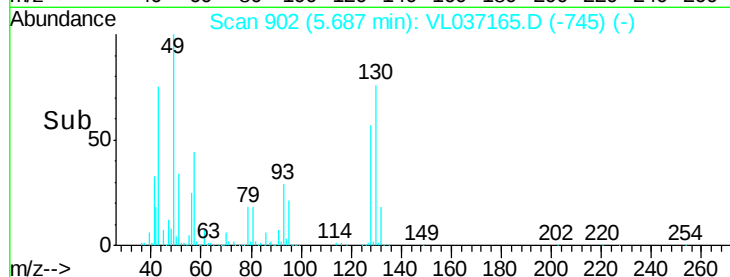
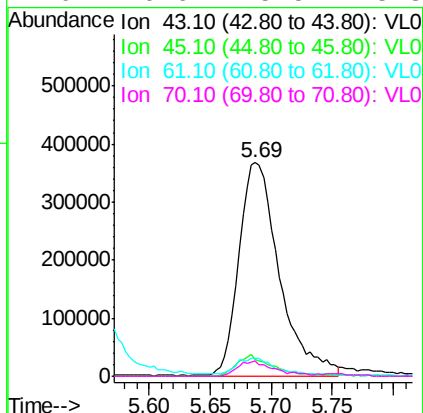
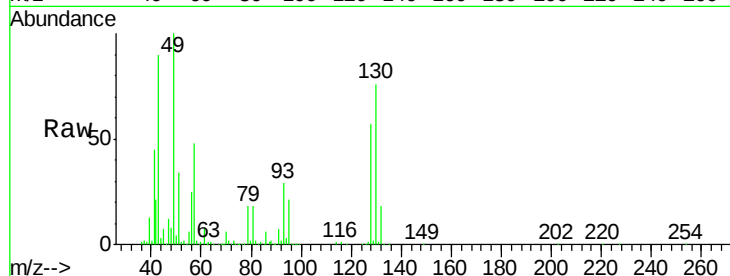
#25
Ethyl Acetate
Concen: 2.274 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.00 min
Lab File: VL037165.D
Acq: 16 Jun 2021 10:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
43	100		
45	9.4	8.0	12.0
61	8.8	8.1	12.1
70	6.6	5.5	8.3

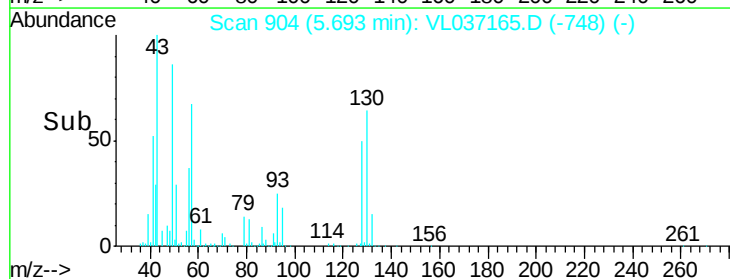
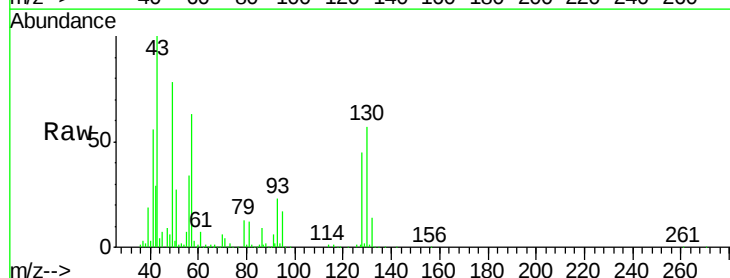
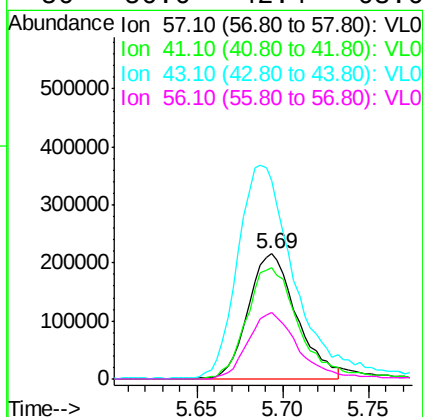
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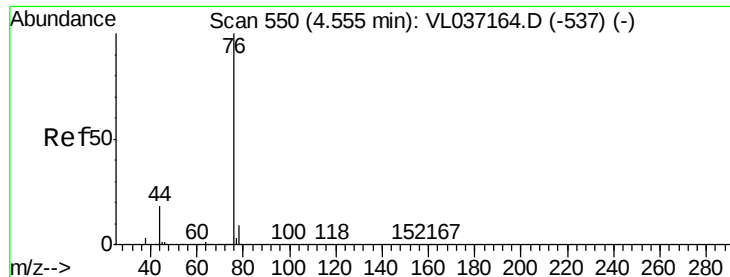
MMDadoda
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#26
Hexane
Concen: 2.297 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.00 min
Lab File: VL037165.D
Acq: 16 Jun 2021 10:04

Tgt Ion	Ratio	Lower	Upper
57	100		
41	98.8	73.5	110.3
43	206.9	170.7	256.1
56	56.6	42.4	63.6





#27

Carbon Disulfide

Concen: 2.174 ppbv

RT: 4.56 min Scan# 551

Delta R.T. 0.00 min

Lab File: VL037165.D

Acq: 16 Jun 2021 10:04

Instrument :

MSVOA_L

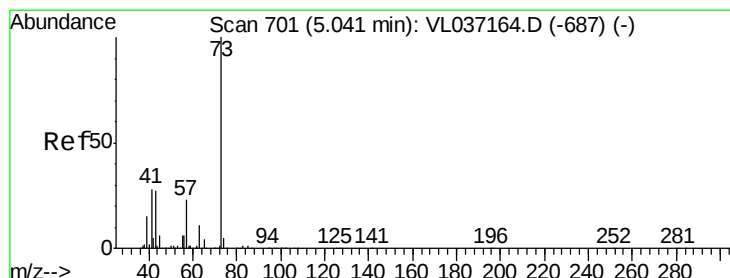
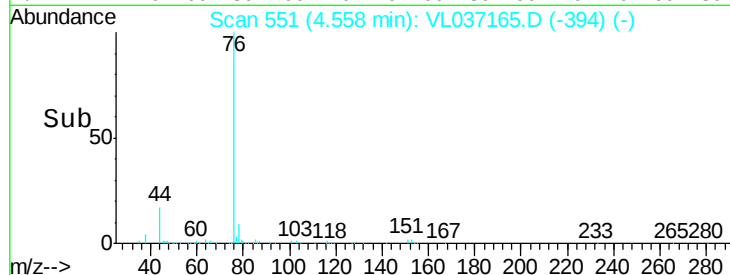
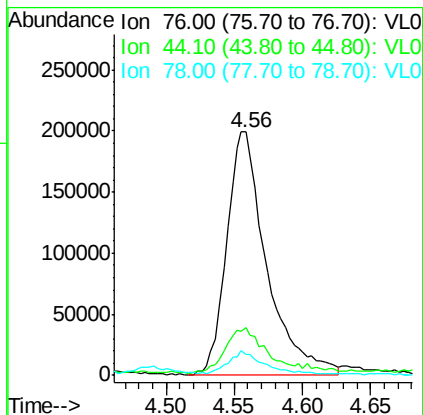
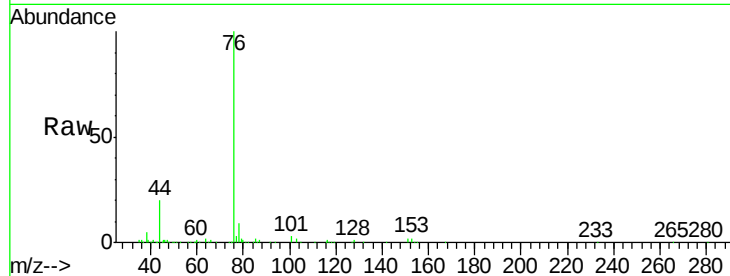
ClientSampleId :

VSTDIC002

Tot Ion:	76	Resp:	404107
Ion Ratio	Lower	Upper	
76	100		
44	22.1	15.4	23.2
78	10.3	8.0	12.0

Manual Integrations
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6/17/2021 5:37:15 PM



#28

Methyl tert-Butyl Ether

Concen: 2.134 ppbv

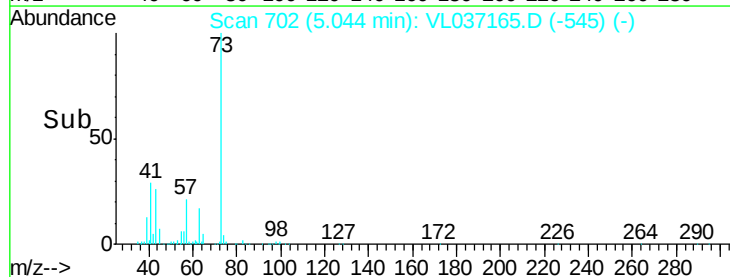
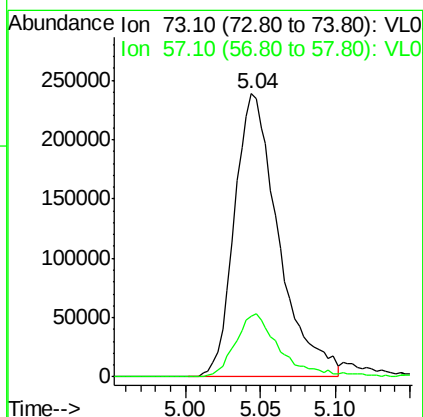
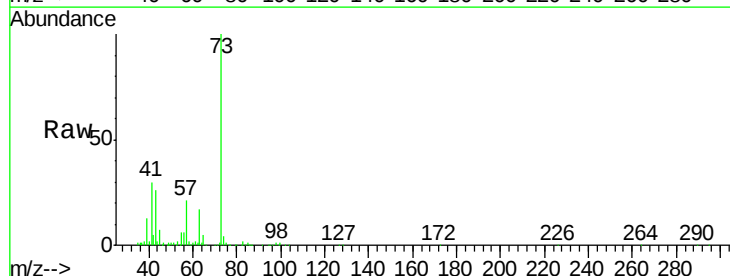
RT: 5.04 min Scan# 702

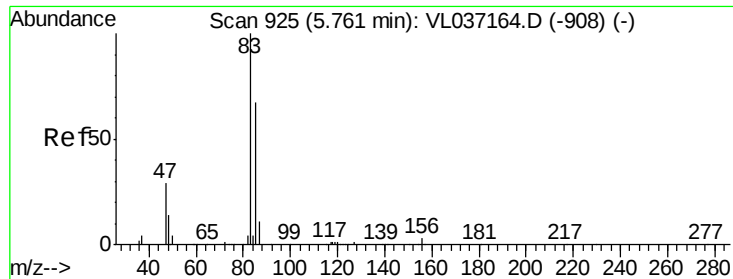
Delta R.T. 0.00 min

Lab File: VL037165.D

Acq: 16 Jun 2021 10:04

Tgt Ion:	73	Resp:	489928
Ion Ratio	Lower	Upper	
73	100		
57	22.7	18.0	27.0





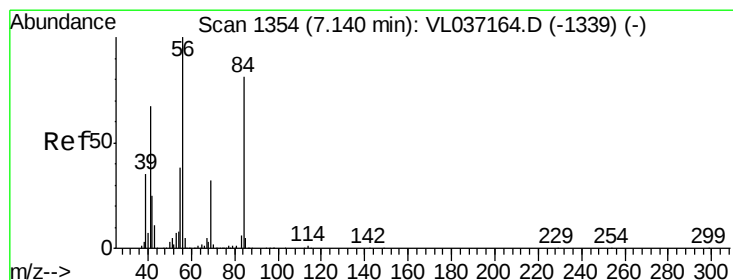
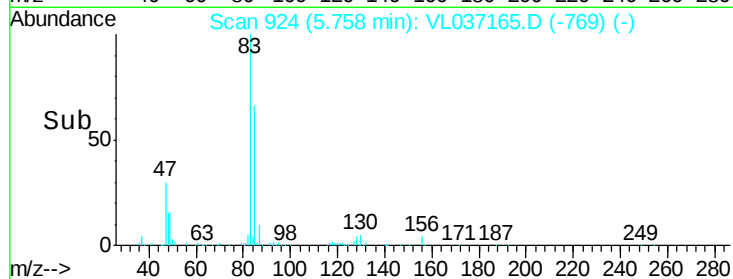
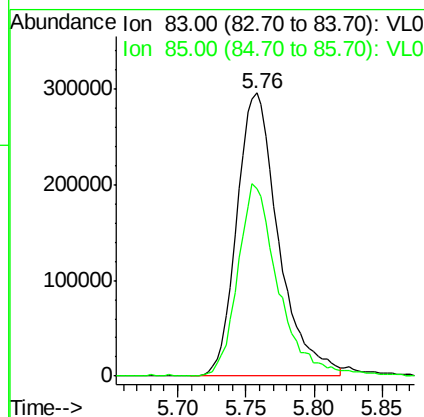
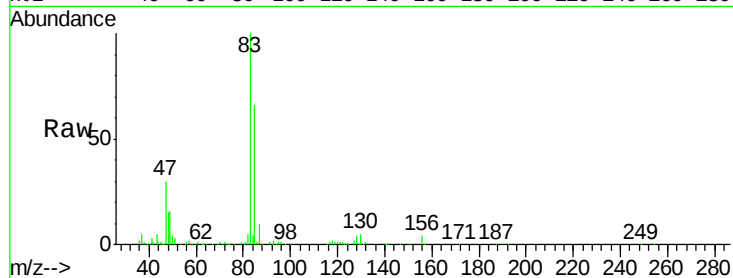
#29
Chloroform
Concen: 2.127 ppbv
RT: 5.76 min Scan# 924
Delta R.T. -0.00 min
Lab File: VL037165.D
Acq: 16 Jun 2021 10:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	83	Resp	629477
Ion Ratio	Lower	Upper	
83	100		
85	65.8	53.6	80.4

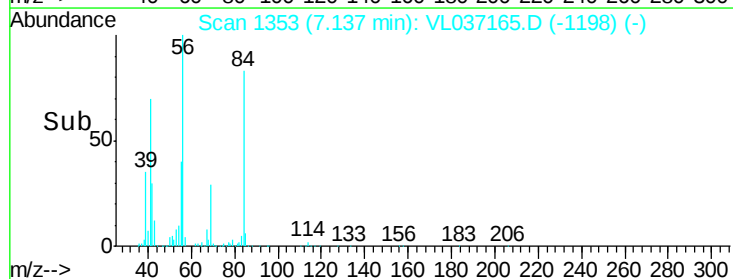
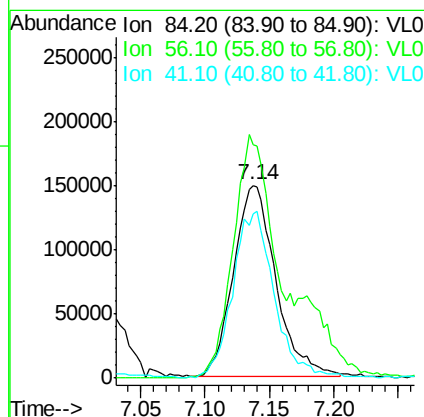
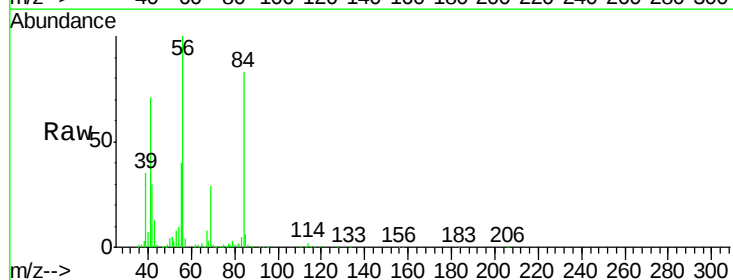
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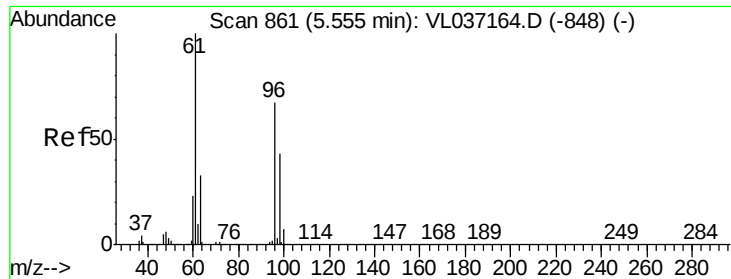
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#30
Cyclohexane
Concen: 2.140 ppbv
RT: 7.14 min Scan# 1353
Delta R.T. -0.00 min
Lab File: VL037165.D
Acq: 16 Jun 2021 10:04

Tgt Ion	84	Resp	342026
Ion Ratio	Lower	Upper	
84	100		
56	155.8	107.7	161.5
41	84.6	69.0	103.6





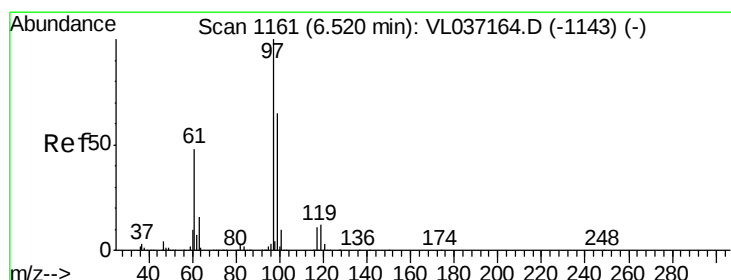
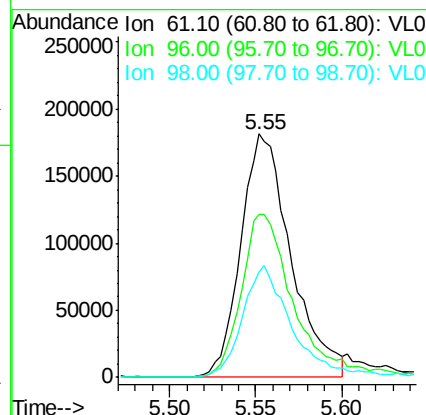
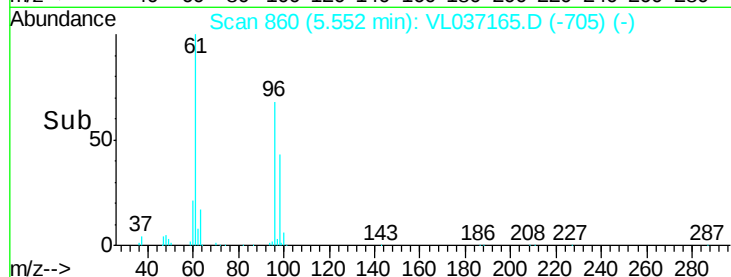
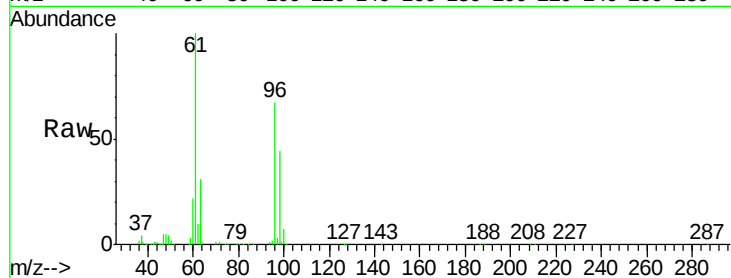
#31
 cis-1,2-Dichloroethene
 Concen: 2.082 ppbv
 RT: 5.55 min Scan# 860
 Delta R.T. -0.00 min
 Lab File: VL037165.D
 Acq: 16 Jun 2021 10:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
61	100		
96	67.0	53.6	80.4
98	43.4	34.7	52.1

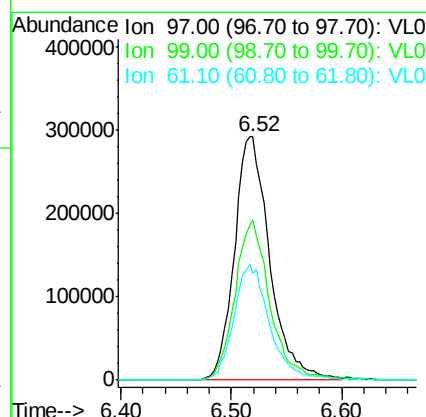
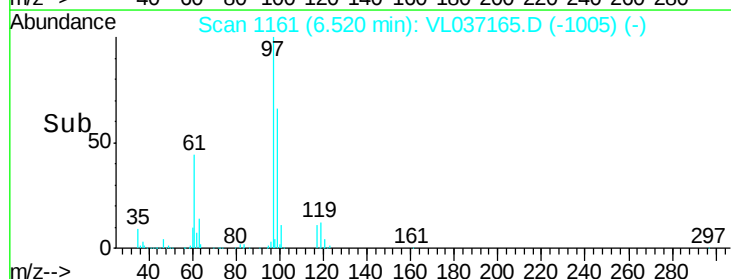
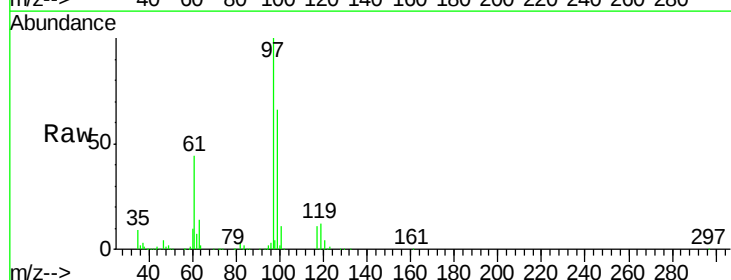
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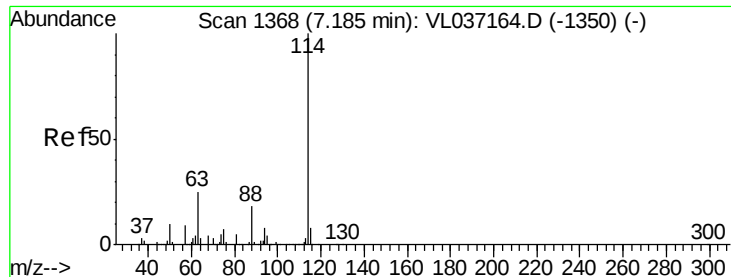
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#32
 1,1,1-Trichloroethane
 Concen: 2.392 ppbv
 RT: 6.52 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VL037165.D
 Acq: 16 Jun 2021 10:04

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	52.2	78.4
61	48.6	38.8	58.2





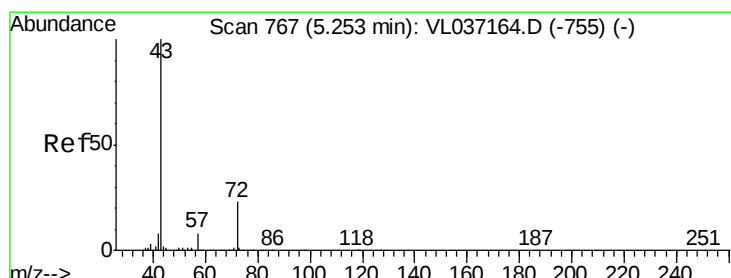
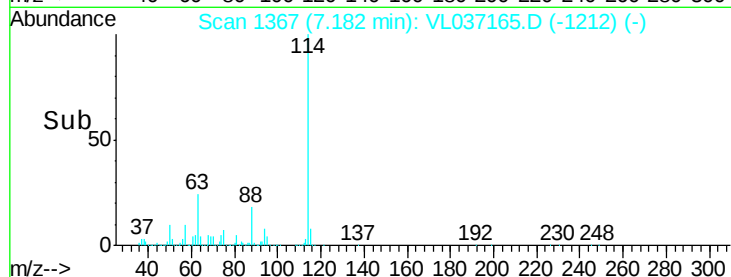
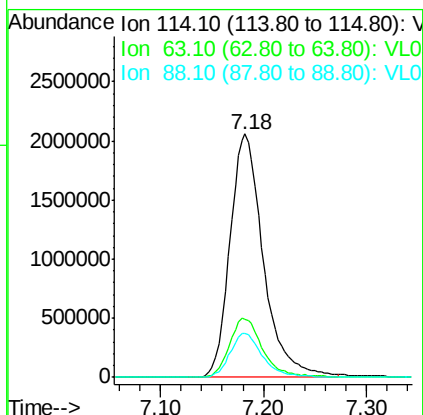
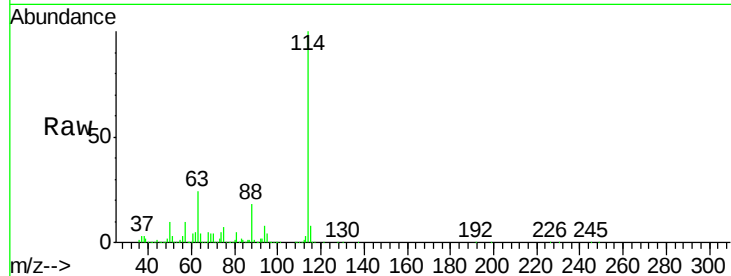
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. -0.00 min
 Lab File: VL037165.D
 Acq: 16 Jun 2021 10:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion:114 Resp: 4642565
 Ion Ratio Lower Upper
 114 100
 63 24.6 19.6 29.4
 88 17.9 14.2 21.2

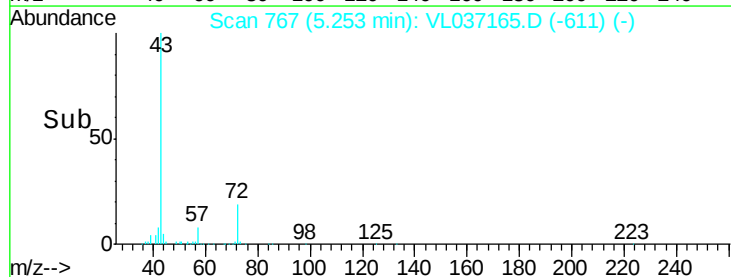
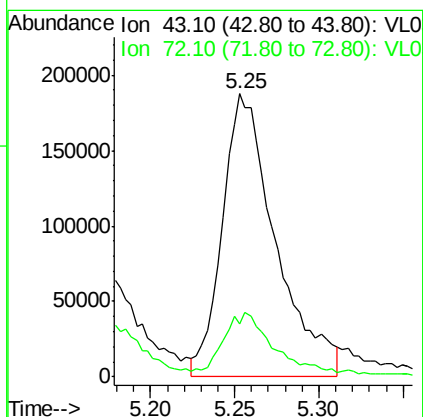
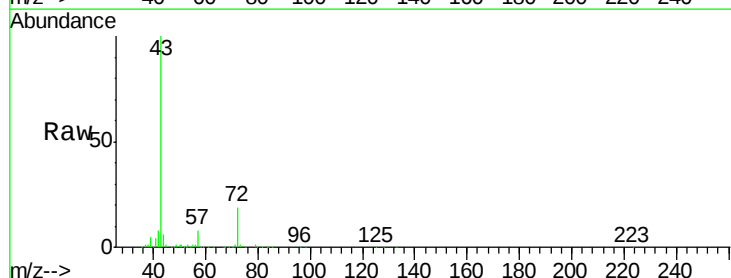
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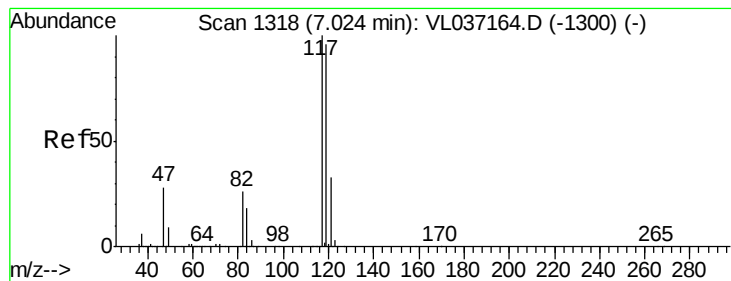
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#34
 2-Butanone
 Concen: 2.368 ppbv m
 RT: 5.25 min Scan# 767
 Delta R.T. 0.00 min
 Lab File: VL037165.D
 Acq: 16 Jun 2021 10:04

Tgt Ion: 43 Resp: 412895
 Ion Ratio Lower Upper
 43 100
 72 24.4 18.9 28.3





#35

Carbon Tetrachloride

Concen: 2.362 ppbv

RT: 7.03 min Scan# 1319

Delta R.T. 0.00 min

Lab File: VL037165.D

Acq: 16 Jun 2021 10:04

Instrument :

MSVOA_L

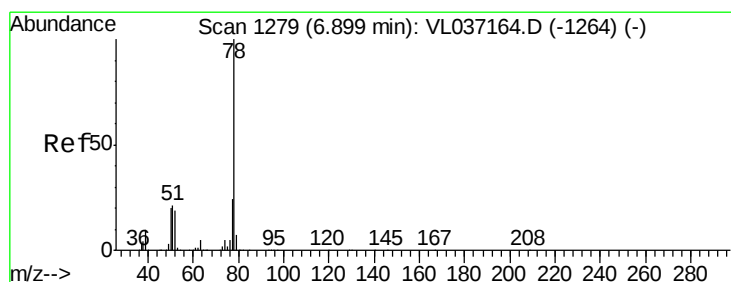
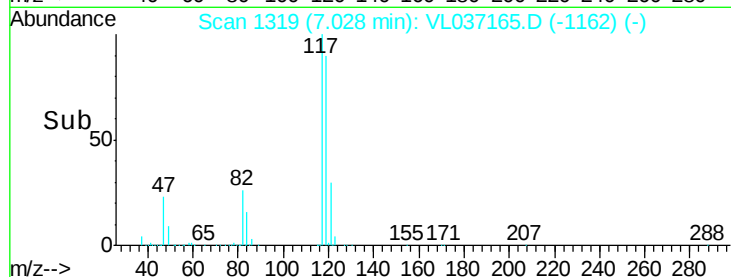
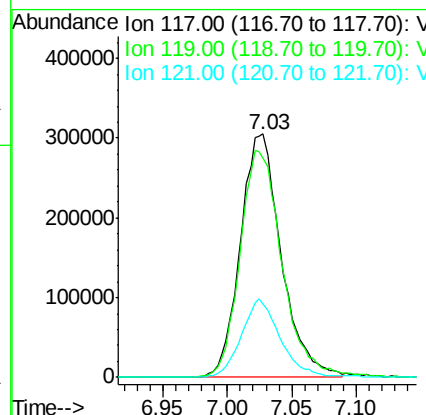
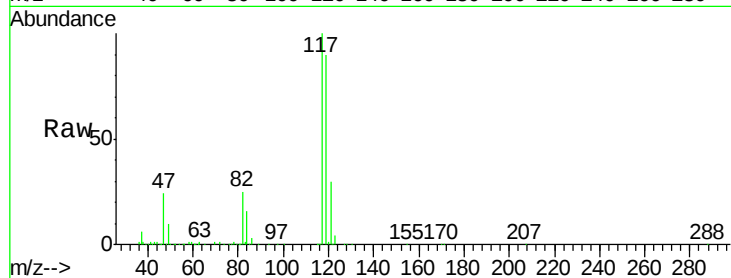
ClientSampleId :

VSTDIC002

Tot Ion:	117	Resp:	673975
Ion Ratio	Lower	Upper	
117	100		
119	90.0	76.6	114.8
121	30.1	26.4	39.6

Manual Integrations
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#36

Benzene

Concen: 2.166 ppbv

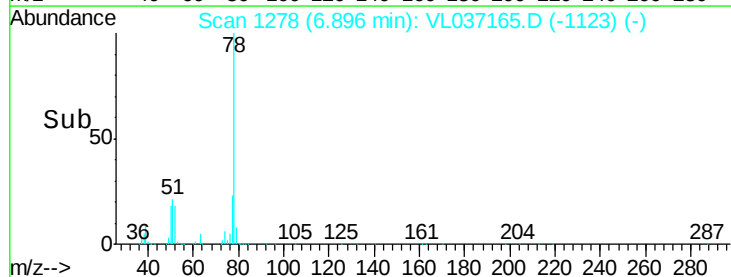
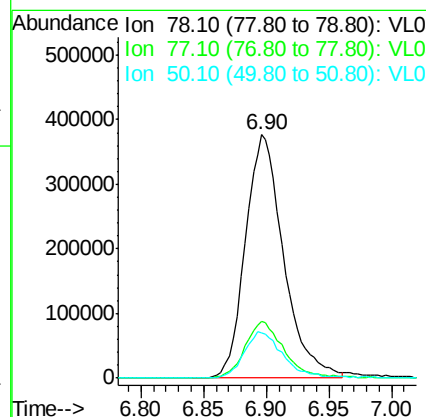
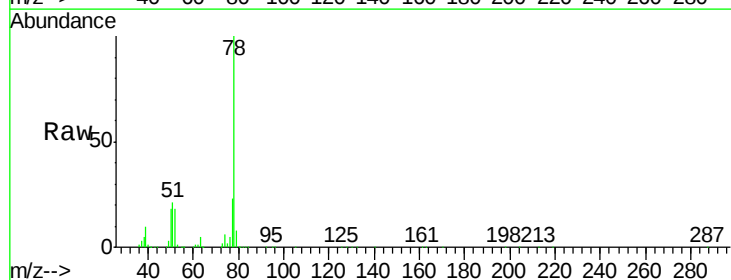
RT: 6.90 min Scan# 1278

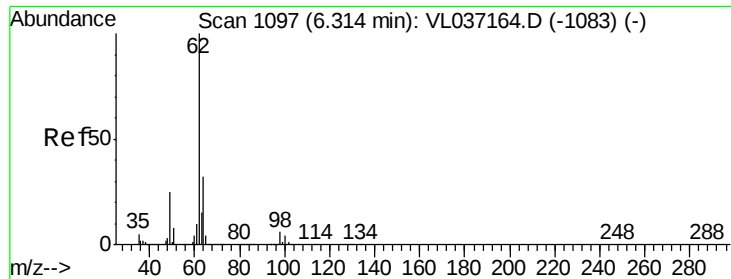
Delta R.T. -0.00 min

Lab File: VL037165.D

Acq: 16 Jun 2021 10:04

Tgt Ion:	78	Resp:	797796
Ion Ratio	Lower	Upper	
78	100		
77	23.3	19.0	28.6
50	18.3	15.7	23.5





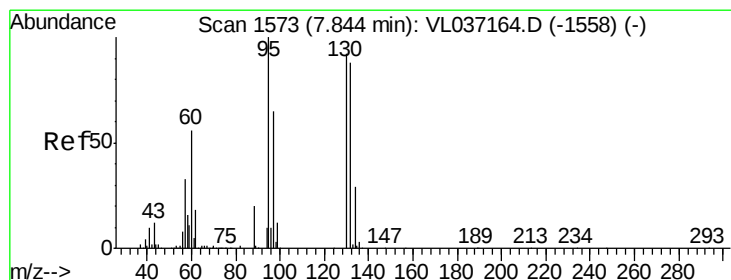
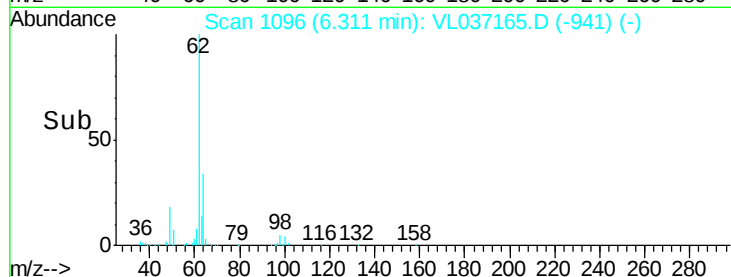
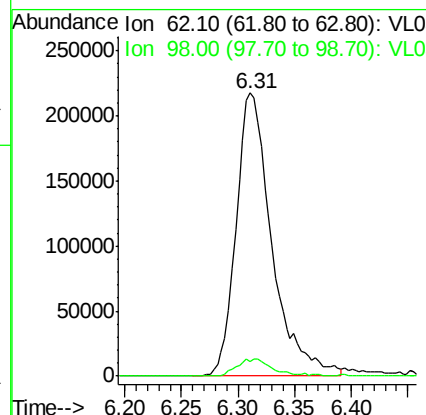
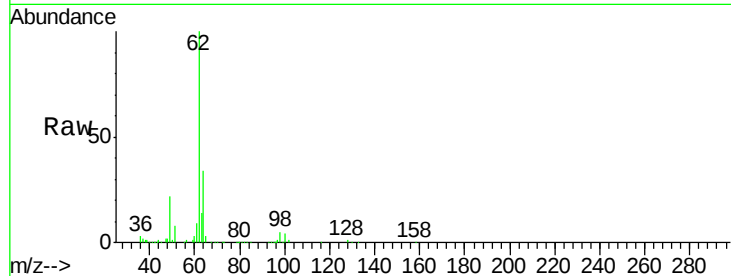
#37
 1,2-Dichloroethane
 Concen: 2.225 ppbv m
 RT: 6.31 min Scan# 1096
 Delta R.T. -0.00 min
 Lab File: VL037165.D
 Acq: 16 Jun 2021 10:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
62	100		
98	5.9	5.0	7.6

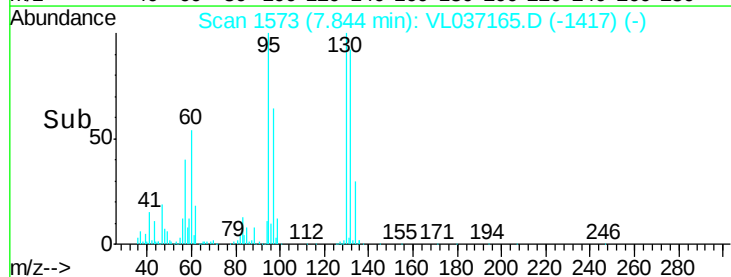
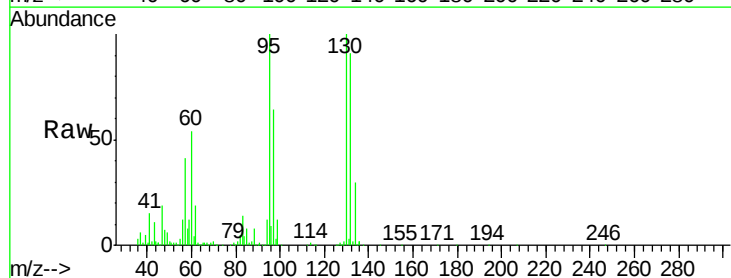
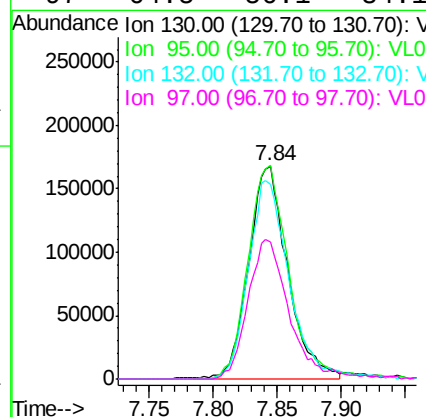
Manual Integrations
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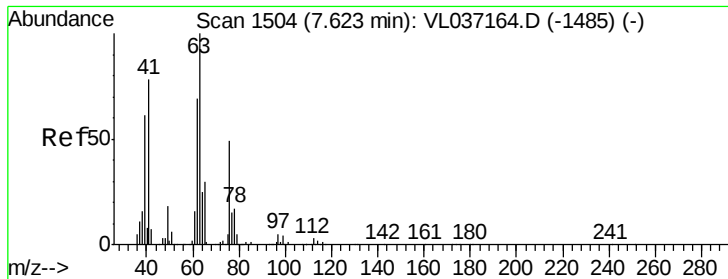
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#38
 Trichloroethene
 Concen: 2.238 ppbv m
 RT: 7.84 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VL037165.D
 Acq: 16 Jun 2021 10:04

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.3	86.6	129.8
132	91.7	76.6	114.8
97	64.5	56.1	84.1





#39

1,2-Dichloropropane

Concen: 2.117 ppbv

RT: 7.62 min Scan# 1503

Delta R.T. -0.00 min

Lab File: VL037165.D

Acq: 16 Jun 2021 10:04

Instrument :

MSVOA_L

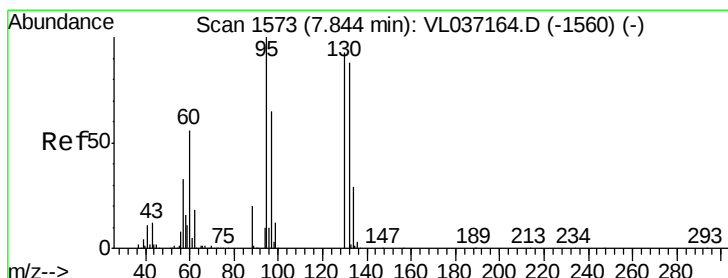
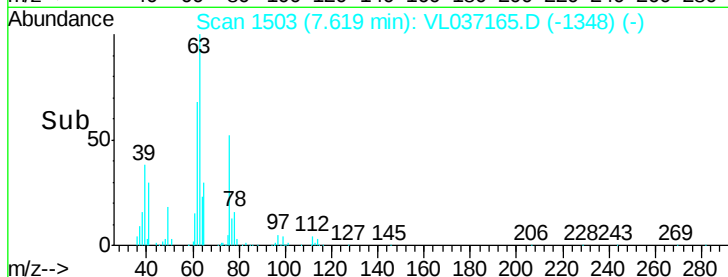
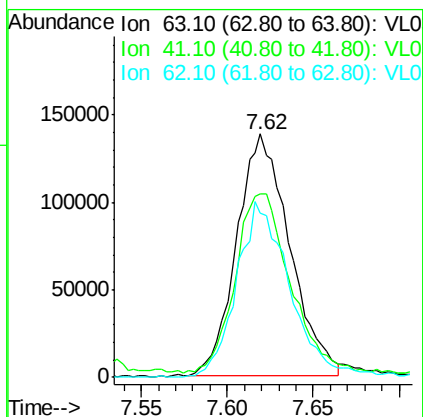
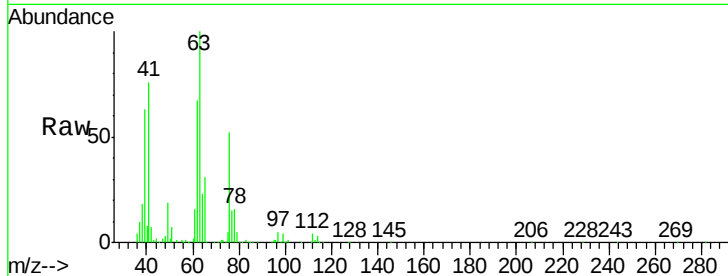
ClientSampleId :

VSTDIC002

Tot Ion:	63	Resp:	297822
Ion	Ratio	Lower	Upper
63	100		
41	73.0	62.0	93.0
62	66.9	54.9	82.3

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#40

1,4-Dioxane

Concen: 1.998 ppbv

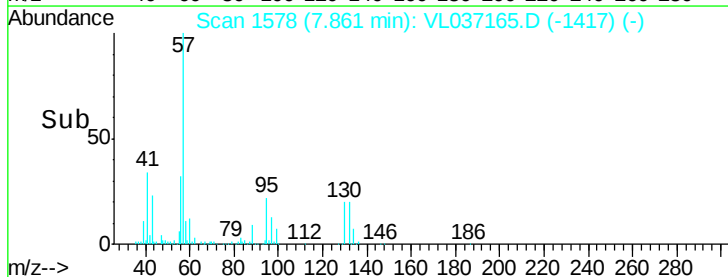
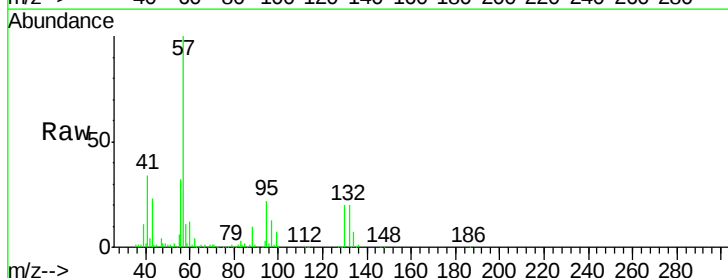
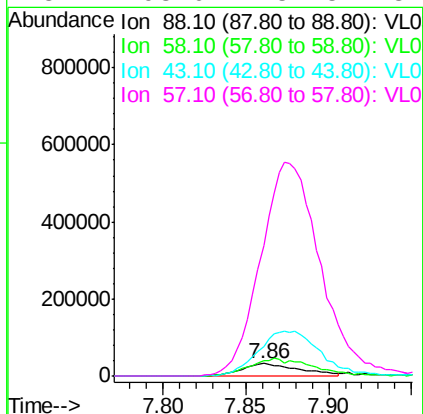
RT: 7.86 min Scan# 1578

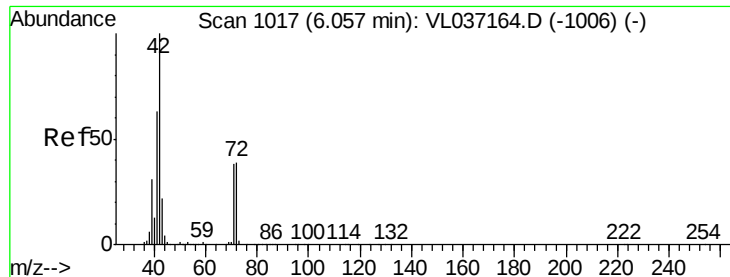
Delta R.T. 0.02 min

Lab File: VL037165.D

Acq: 16 Jun 2021 10:04

Tgt Ion:	88	Resp:	78705
Ion	Ratio	Lower	Upper
88	100		
58	160.9	118.4	177.6
43	390.9	284.0	426.0
57	1793.0	1231.8	1847.6





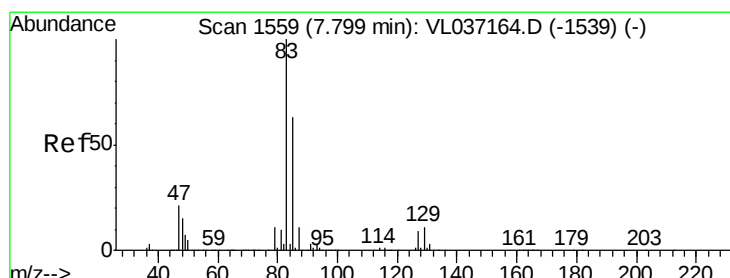
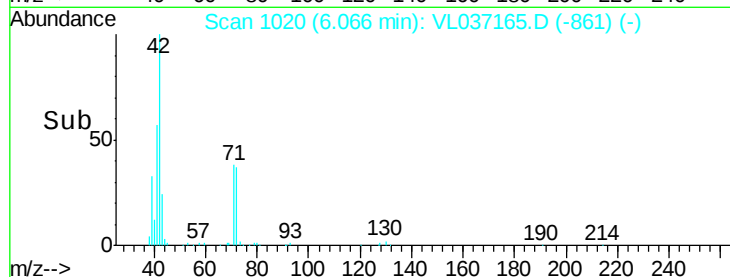
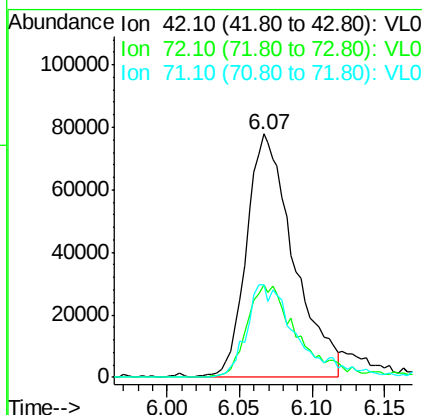
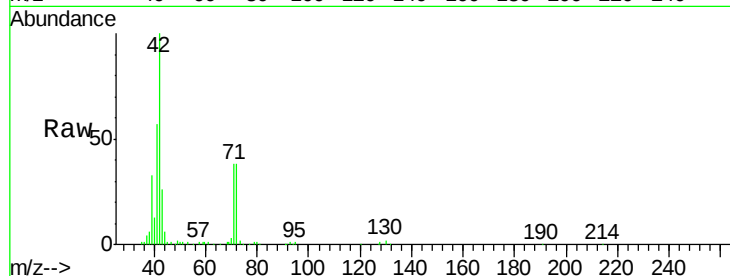
#41
Tetrahydrofuran
Concen: 2.075 ppbv
RT: 6.07 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VL037165.D
Acq: 16 Jun 2021 10:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.0	33.0	49.4
71	42.4	31.0	46.6

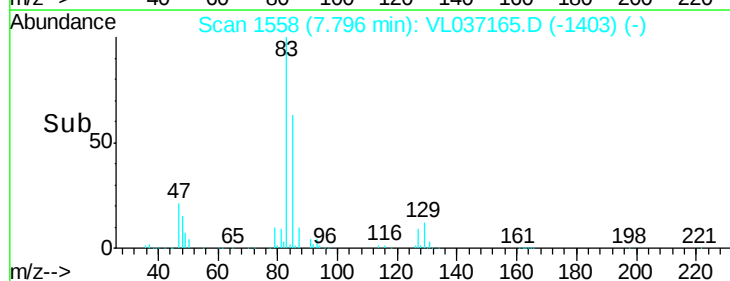
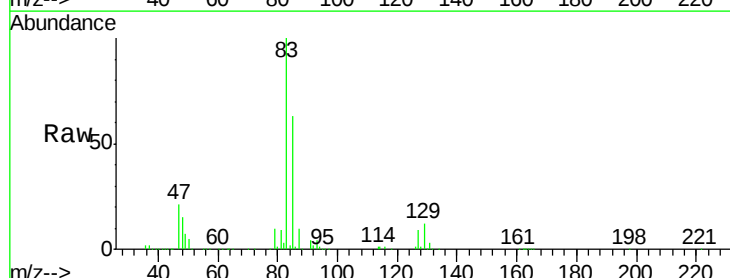
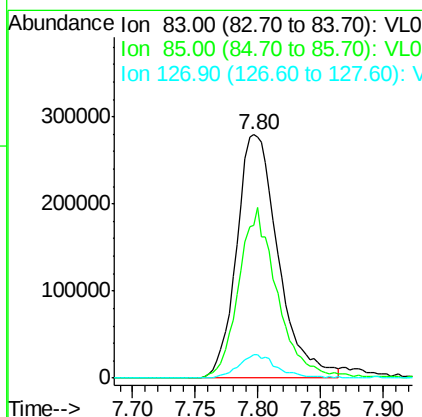
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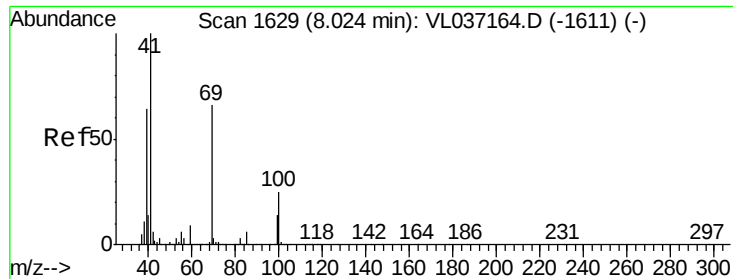
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#42
Bromodichloromethane
Concen: 2.192 ppbv
RT: 7.80 min Scan# 1558
Delta R.T. -0.00 min
Lab File: VL037165.D
Acq: 16 Jun 2021 10:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.7	50.8	76.2
127	9.4	7.0	10.6





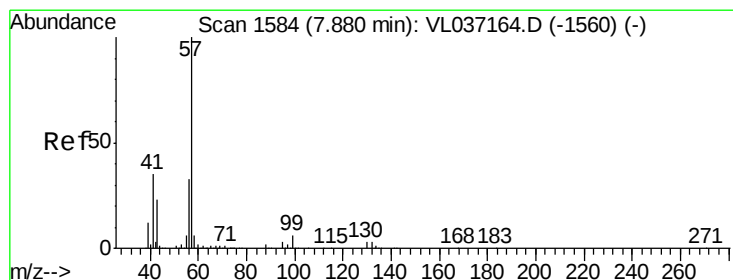
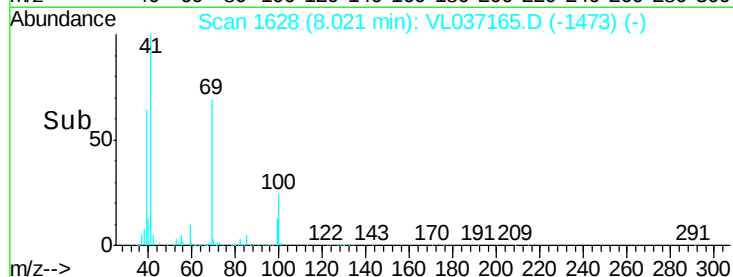
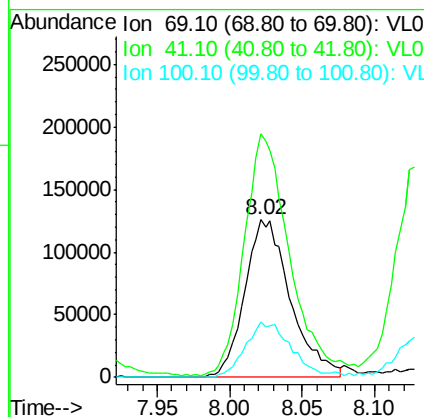
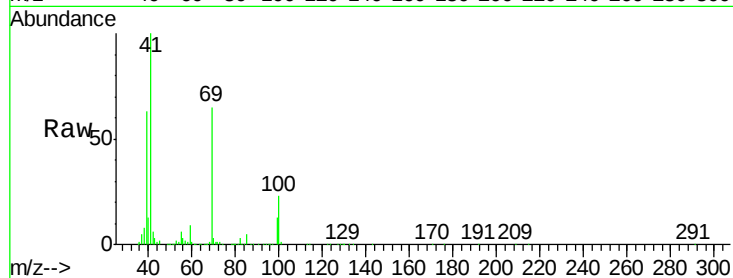
#43
Methvl Methacrilate
Concen: 2.189 ppbv
RT: 8.02 min Scan# 1628
Delta R.T. -0.00 min
Lab File: VL037165.D
Acq: 16 Jun 2021 10:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
69	100		
41	153.4	119.4	179.0
100	35.2	28.6	43.0

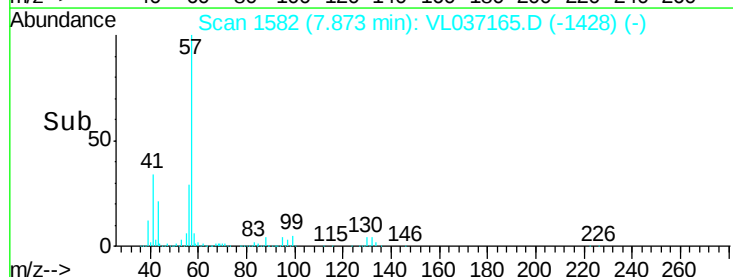
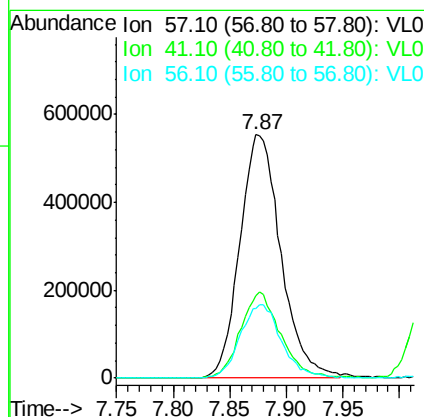
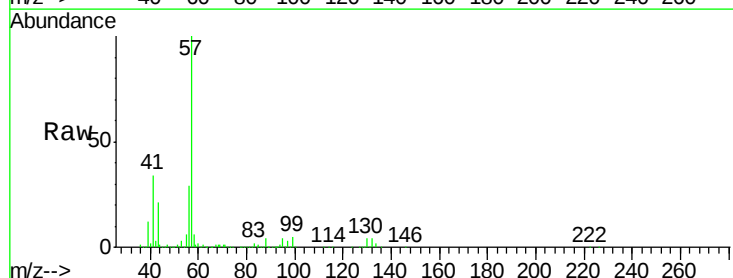
Manual Integrations
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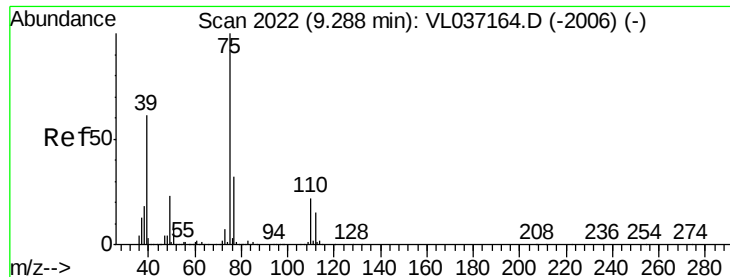
MMDadoda
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#44
2,2,4-Trimethylpentane
Concen: 2.258 ppbv
RT: 7.87 min Scan# 1582
Delta R.T. -0.01 min
Lab File: VL037165.D
Acq: 16 Jun 2021 10:04

Tgt Ion	Ratio	Lower	Upper
57	100		
41	34.2	27.6	41.4
56	30.8	25.3	37.9





#45

t-1,3-Dichloropropene

Concen: 2.121 ppbv m

RT: 9.28 min Scan# 2021

Delta R.T. -0.00 min

Lab File: VL037165.D

Acq: 16 Jun 2021 10:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 75 Resp: 241512

Ion Ratio Lower Upper

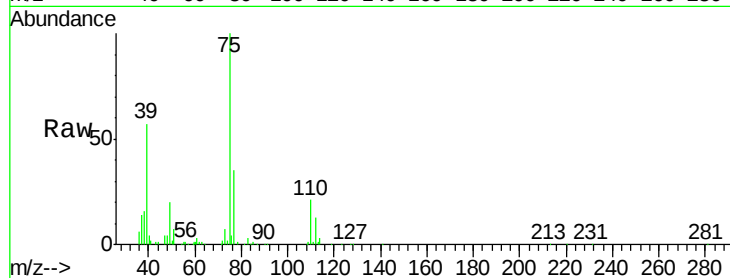
75 100

77 34.7 25.6 38.4

Manual Integrations
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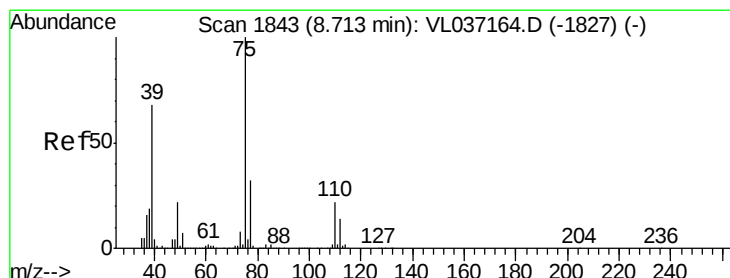
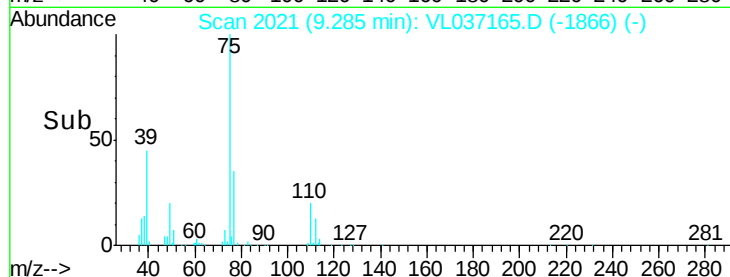
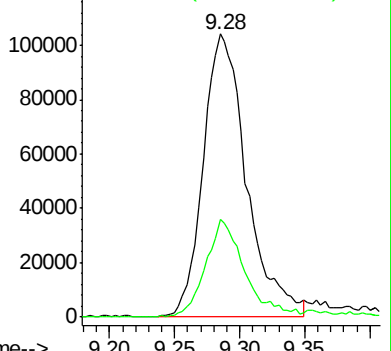
MMDadoda

6/17/2021 5:37:15 PM



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 2.193 ppbv

RT: 8.71 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VL037165.D

Acq: 16 Jun 2021 10:04

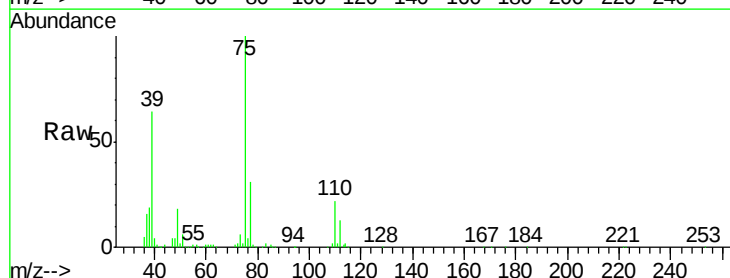
Tgt Ion: 75 Resp: 333300

Ion Ratio Lower Upper

75 100

39 63.5 54.7 82.1

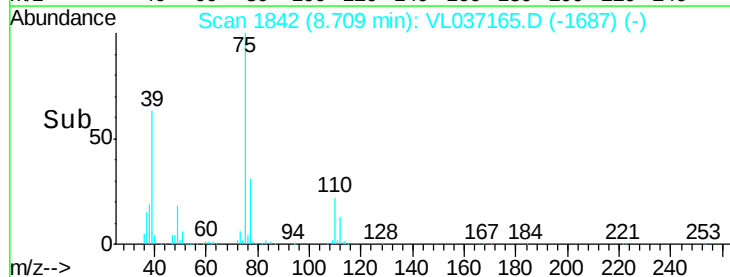
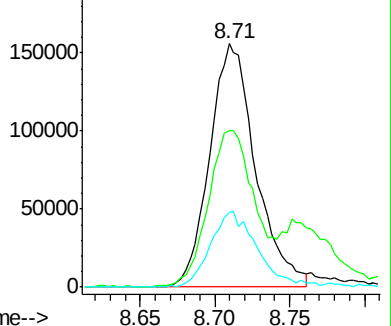
77 30.6 25.8 38.8

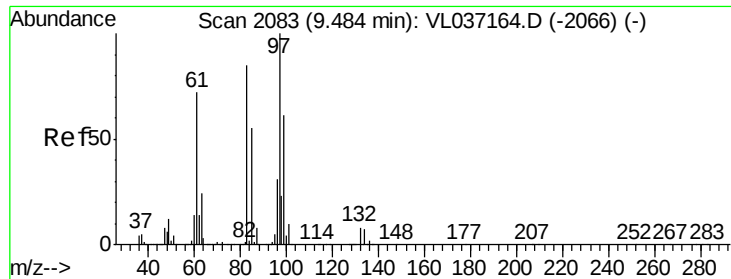


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0





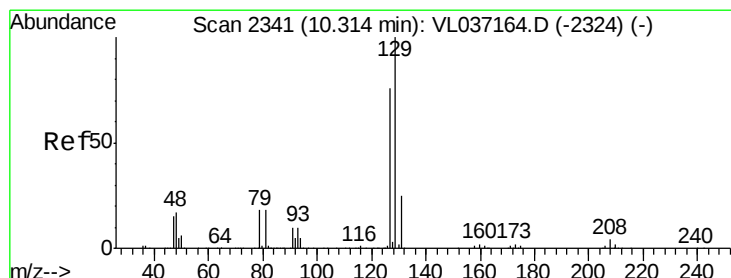
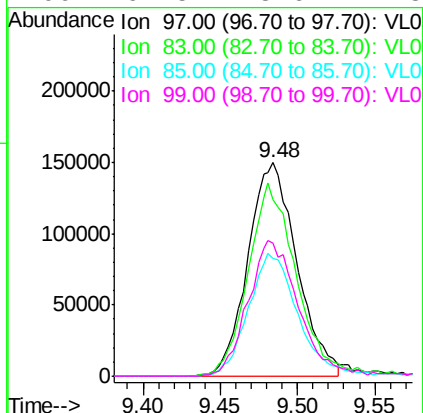
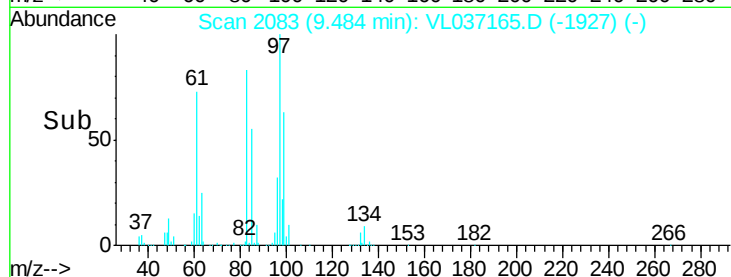
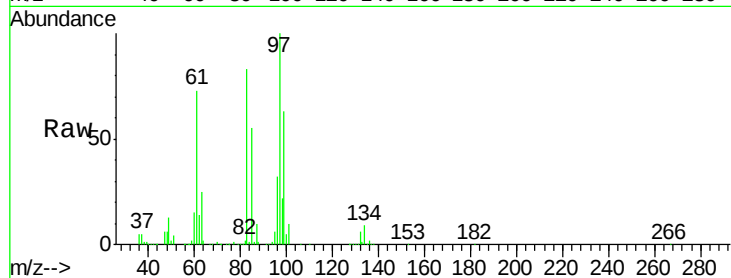
#47
 1,1,2-Trichloroethane
 Concen: 2.071 ppbv
 RT: 9.48 min Scan# 2083
 Delta R.T. 0.00 min
 Lab File: VL037165.D
 Acq: 16 Jun 2021 10:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		330404		
83	83.0	68.3	102.5		
85	55.1	44.1	66.1		
99	62.5	48.6	72.8		

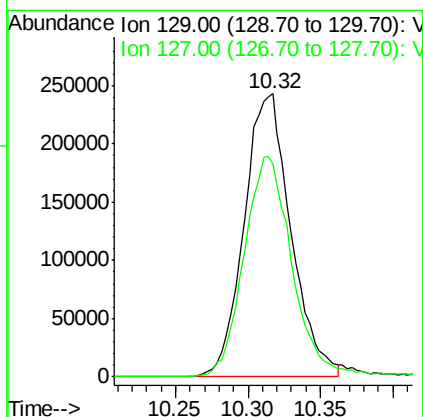
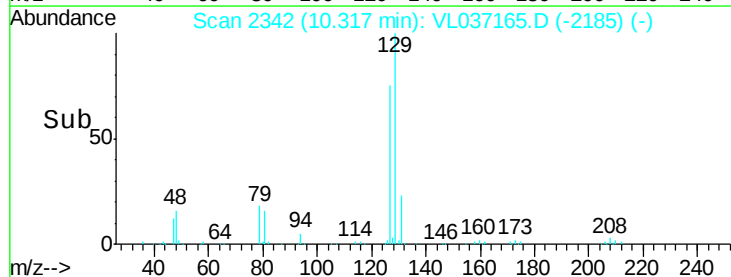
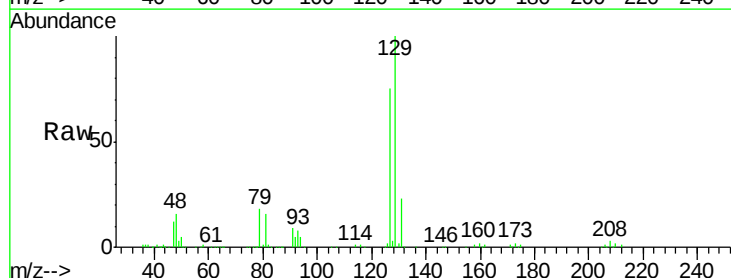
Manual Integrations
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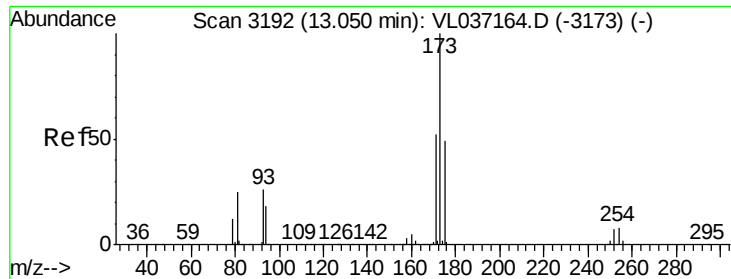
MMDadoda
 6/17/2021 5:37:15 PM



#48
 Dibromochloromethane
 Concen: 2.120 ppbv
 RT: 10.32 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VL037165.D
 Acq: 16 Jun 2021 10:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
129	100		545693		
127	81.4	39.1	117.2		





#49

Bromoform

Concen: 2.076 ppbv

RT: 13.05 min Scan# 3192

Delta R.T. 0.00 min

Lab File: VL037165.D

Acq: 16 Jun 2021 10:04

Instrument :

MSVOA_L

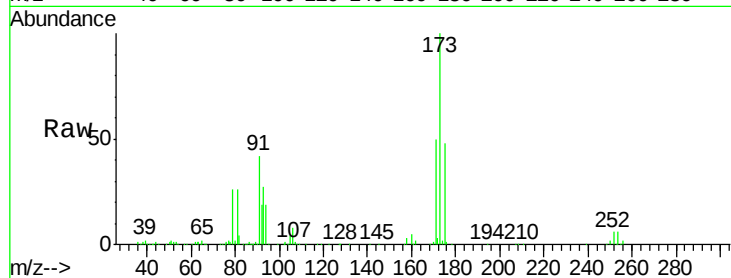
ClientSampleId :

VSTDIC002

Tot Ion:	173	Resp:	417351
Ion Ratio	Lower	Upper	
173	100		
175	50.3	40.2	60.4
171	52.6	41.8	62.8

Manual Integrations
APPROVED

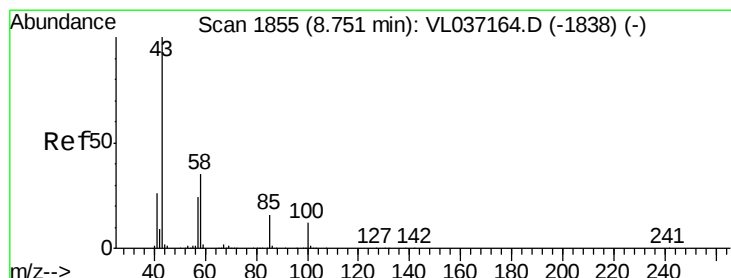
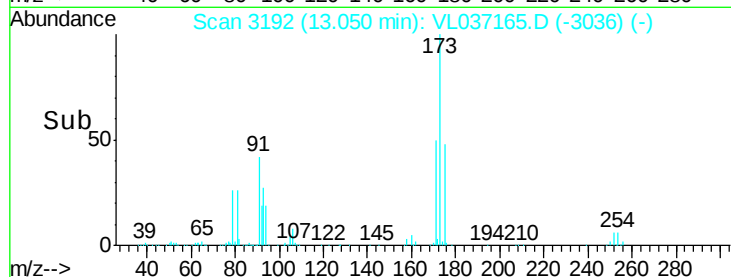
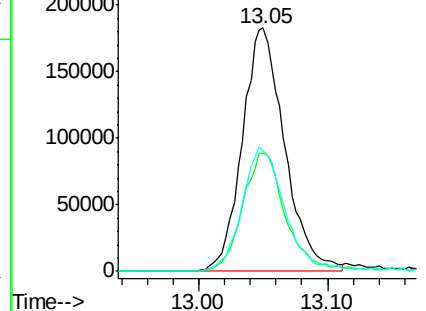
MMDadoda
6/17/2021 5:37:15 PM



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 2.107 ppbv

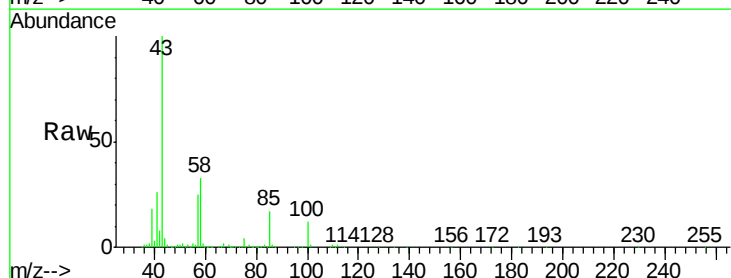
RT: 8.76 min Scan# 1858

Delta R.T. 0.01 min

Lab File: VL037165.D

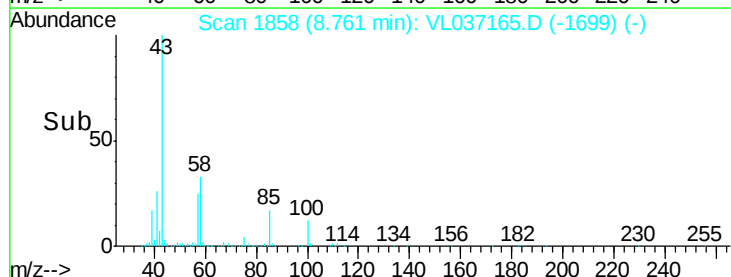
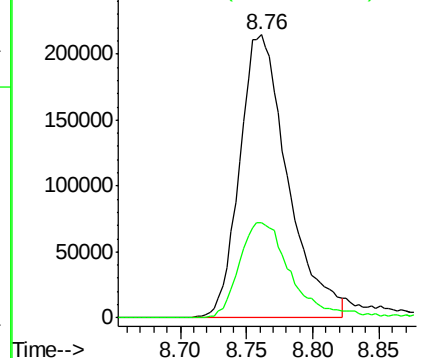
Acq: 16 Jun 2021 10:04

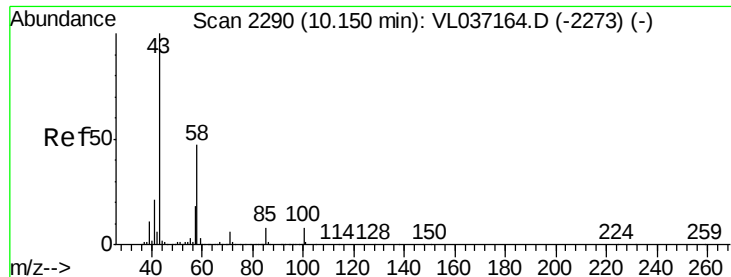
Tgt Ion:	43	Resp:	540451
Ion Ratio	Lower	Upper	
43	100		
58	36.9	28.4	42.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





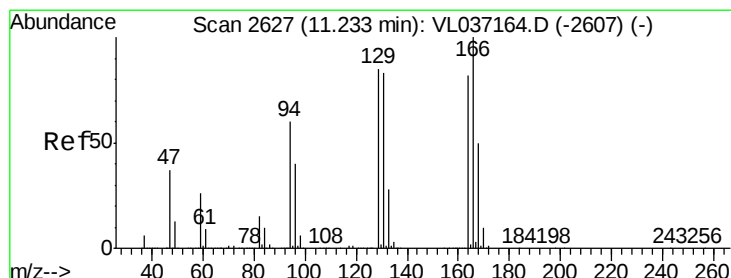
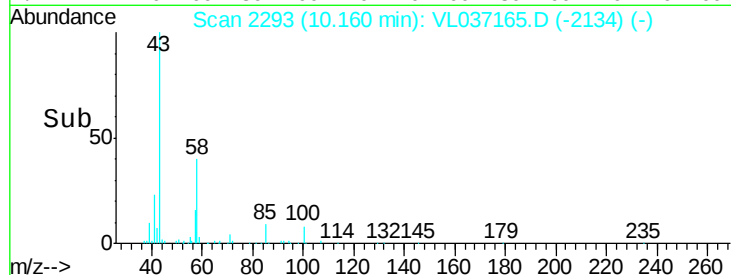
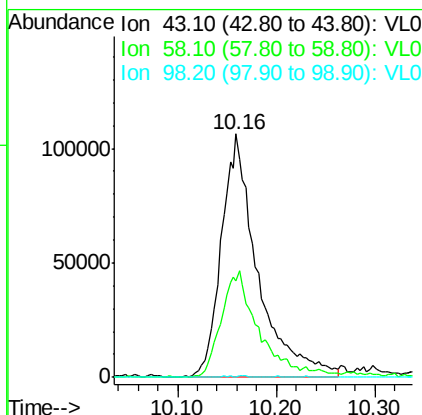
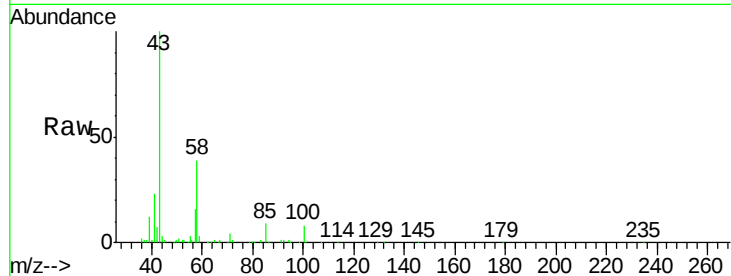
#51
2-Hexanone
Concen: 2.121 ppbv
RT: 10.16 min Scan# 2293
Delta R.T. 0.01 min
Lab File: VL037165.D
Acq: 16 Jun 2021 10:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
43	100		
58	47.6	38.4	57.6
98	0.6	0.3	0.5#

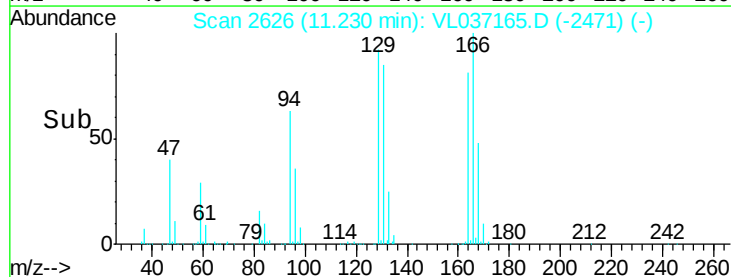
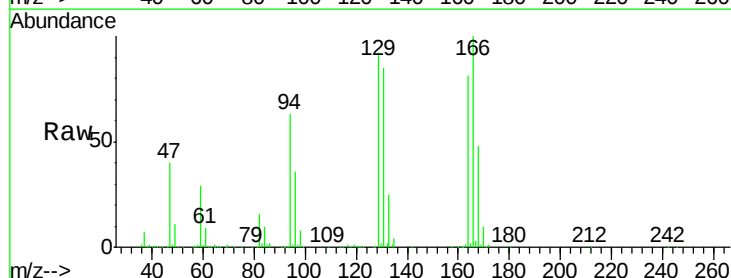
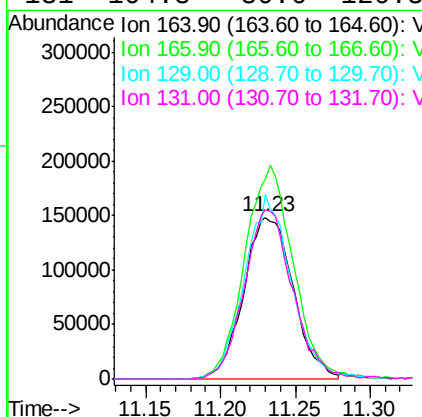
Manual Integrations
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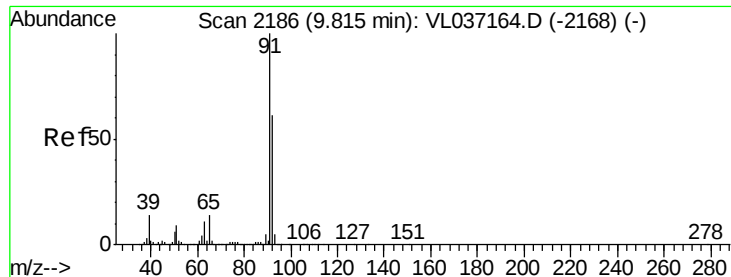
MMDadoda
6/17/2021 5:37:15 PM



#52
Tetrachloroethene
Concen: 2.240 ppbv
RT: 11.23 min Scan# 2626
Delta R.T. -0.00 min
Lab File: VL037165.D
Acq: 16 Jun 2021 10:04

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.9	97.6	146.4
129	113.9	82.9	124.3
131	104.8	80.6	120.8





#53

Toluene

Concen: 2.236 ppbv

RT: 9.82 min Scan# 2186

Delta R.T. 0.00 min

Lab File: VL037165.D

Acq: 16 Jun 2021 10:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 91 Resp: 979146

Ion Ratio Lower Upper

91 100

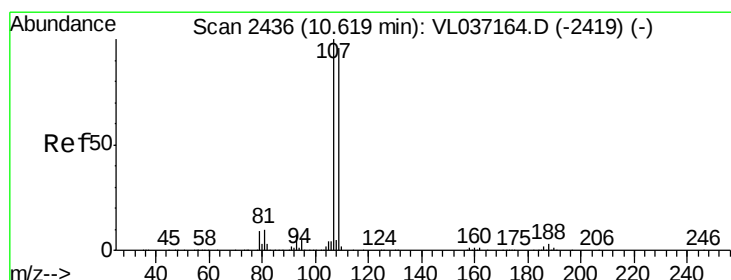
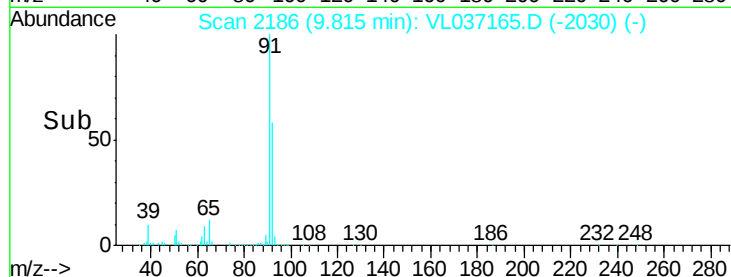
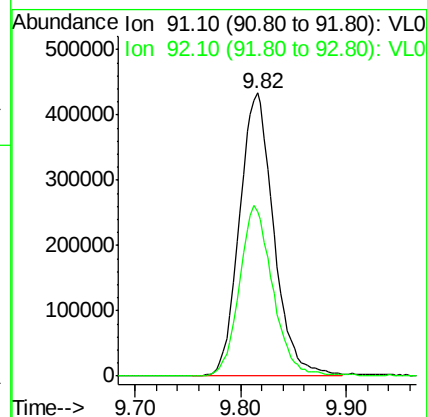
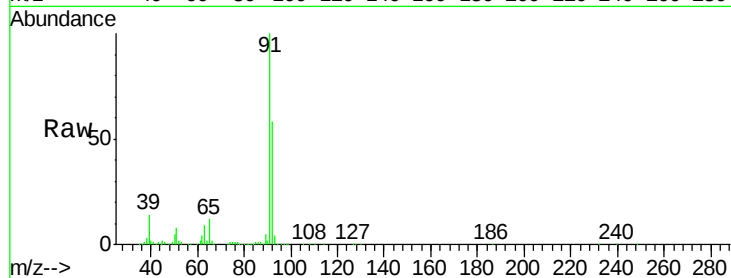
92 59.0 48.3 72.5

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 2.158 ppbv

RT: 10.62 min Scan# 2436

Delta R.T. 0.00 min

Lab File: VL037165.D

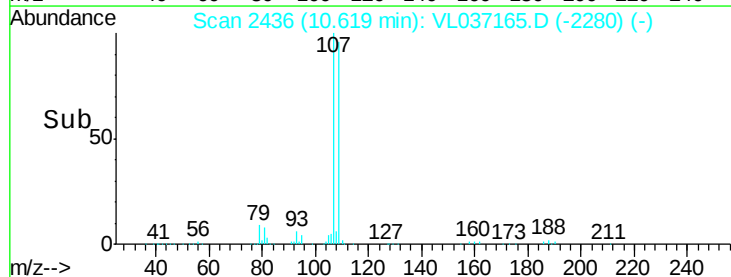
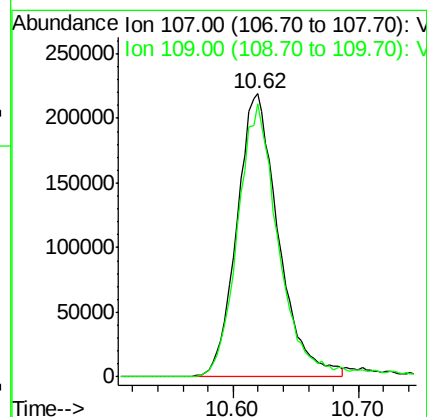
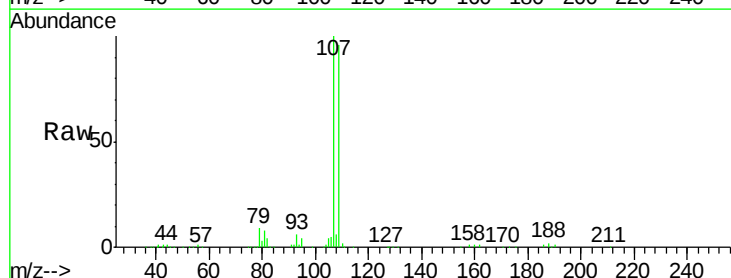
Acq: 16 Jun 2021 10:04

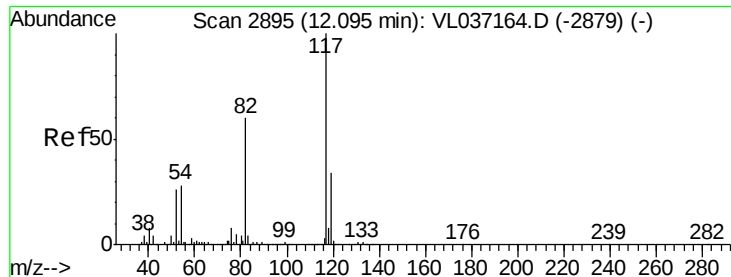
Tgt Ion: 107 Resp: 504195

Ion Ratio Lower Upper

107 100

109 96.2 77.0 115.6





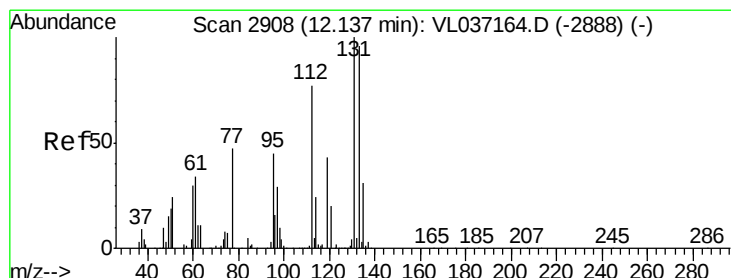
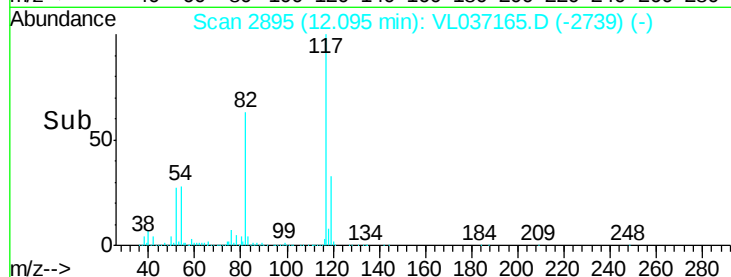
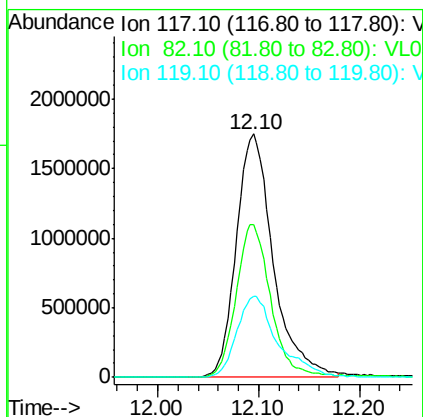
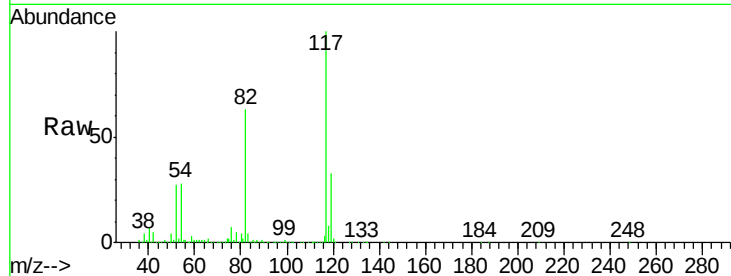
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2895
Delta R.T. 0.00 min
Lab File: VL037165.D
Acq: 16 Jun 2021 10:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.4	51.7	77.5
119	37.7	47.6	71.4#

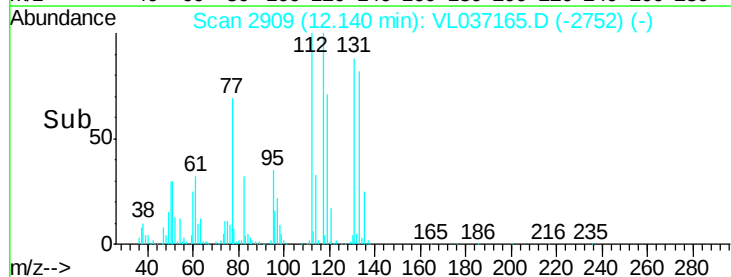
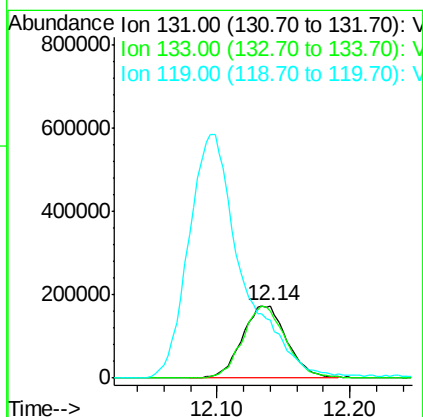
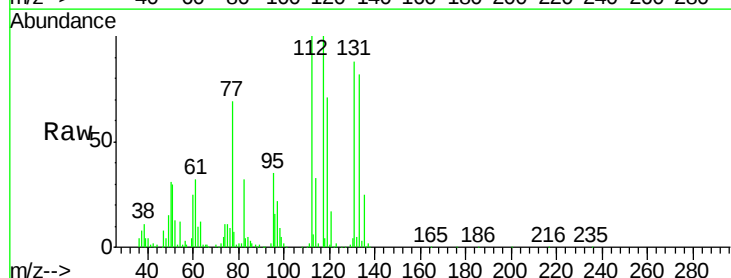
Manual Integrations
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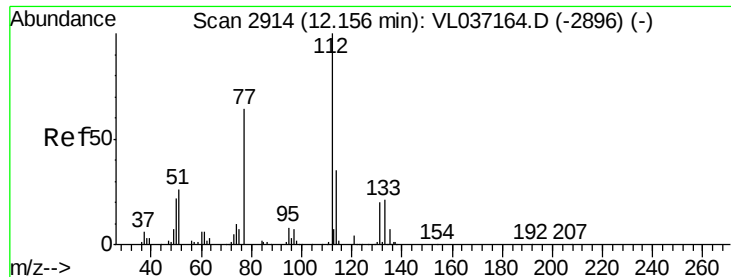
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 2.094 ppbv m
RT: 12.14 min Scan# 2909
Delta R.T. 0.00 min
Lab File: VL037165.D
Acq: 16 Jun 2021 10:04

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





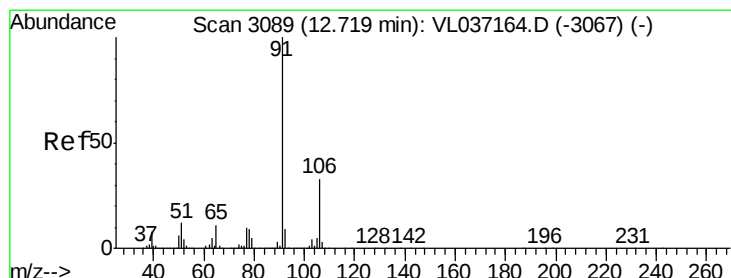
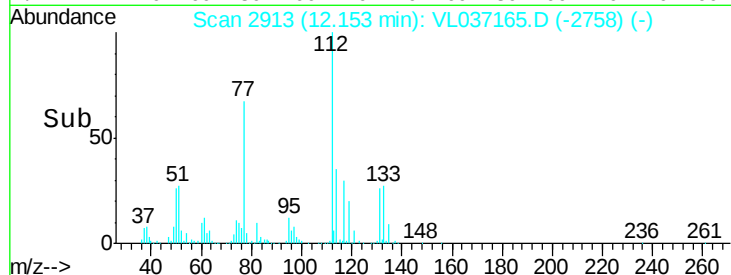
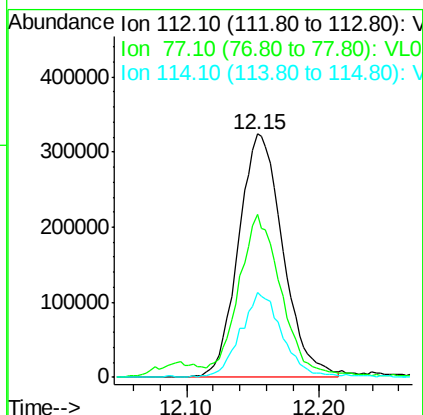
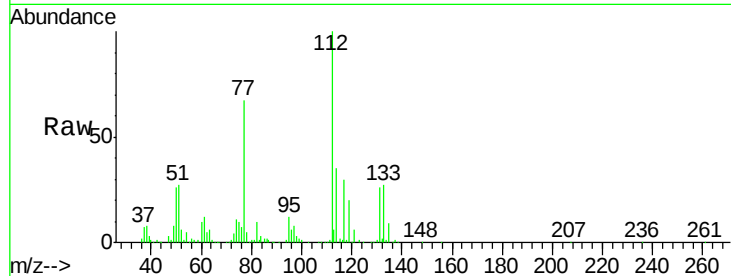
#57
Chlorobenzene
Concen: 2.103 ppbv
RT: 12.15 min Scan# 2913
Delta R.T. -0.00 min
Lab File: VL037165.D
Acq: 16 Jun 2021 10:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
112	100		
77	65.2	52.2	78.4
114	34.9	31.1	38.1

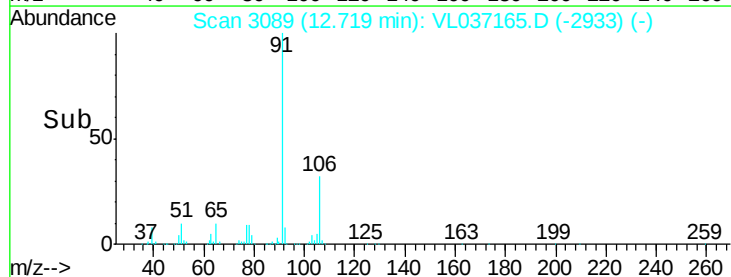
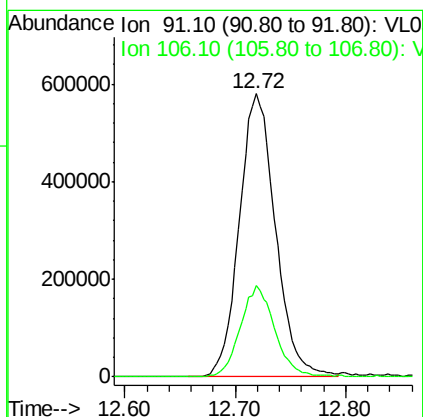
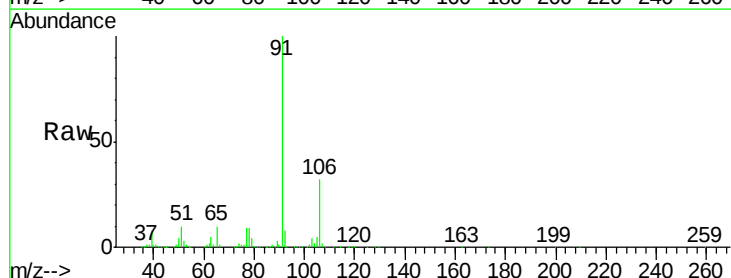
Manual Integrations
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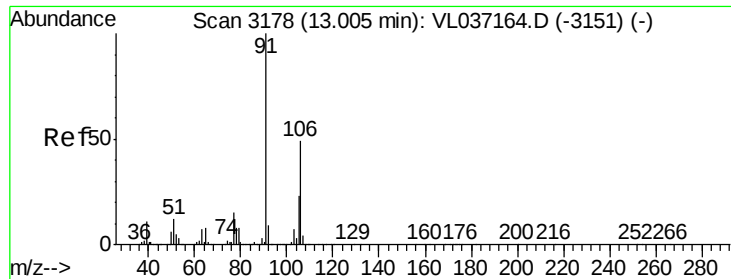
MMDadoda
6/17/2021 5:37:15 PM



#58
Ethyl Benzene
Concen: 2.191 ppbv
RT: 12.72 min Scan# 3089
Delta R.T. 0.00 min
Lab File: VL037165.D
Acq: 16 Jun 2021 10:04

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.2	26.3	39.5





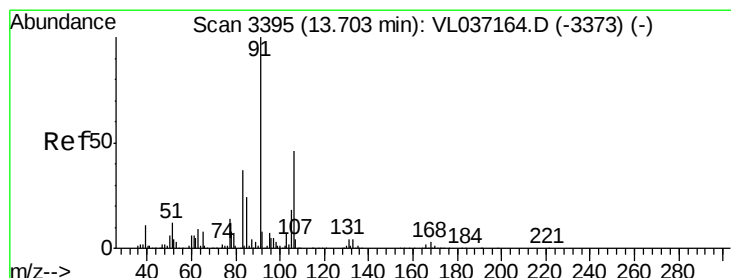
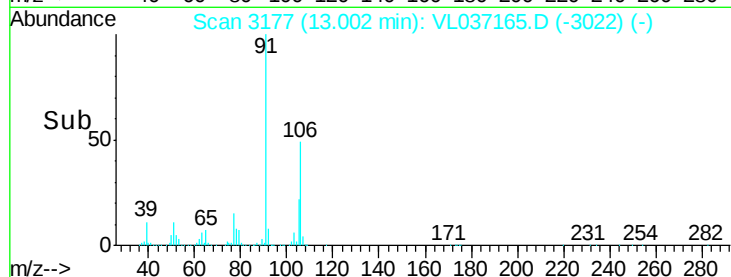
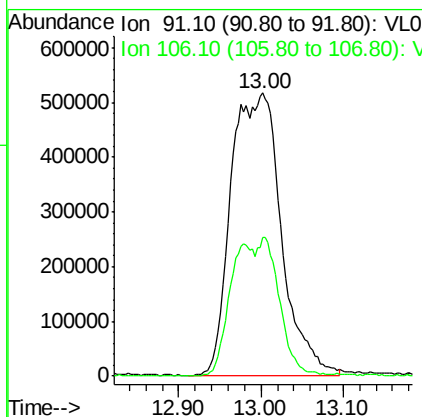
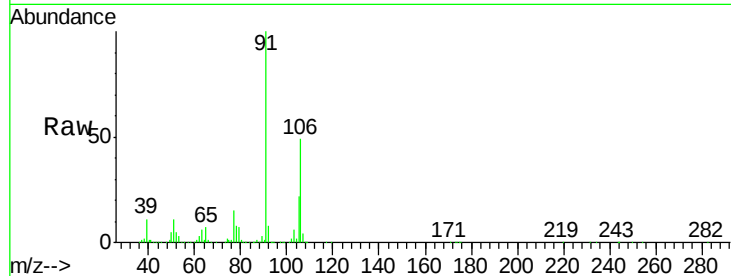
#59
m/p-Xylene
Concen: 4.322 ppbv m
RT: 13.00 min Scan# 3177
Delta R.T. -0.00 min
Lab File: VL037165.D
Acq: 16 Jun 2021 10:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion: 91 Resp: 2212857
Ion Ratio Lower Upper
91 100
106 46.2 37.0 55.4

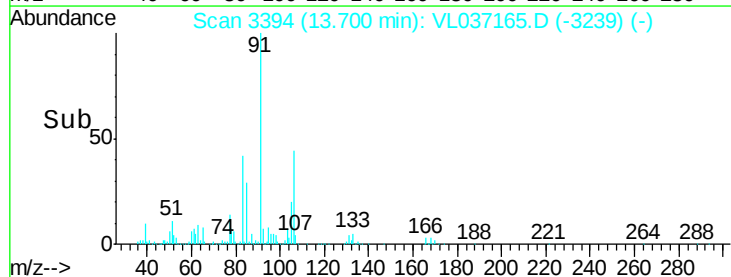
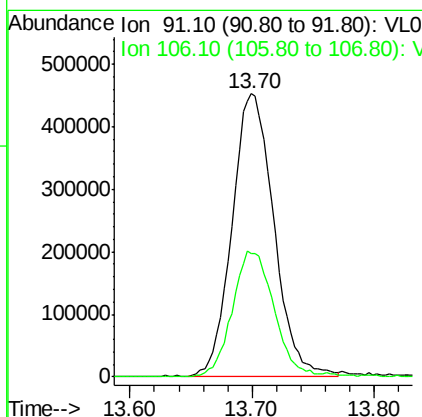
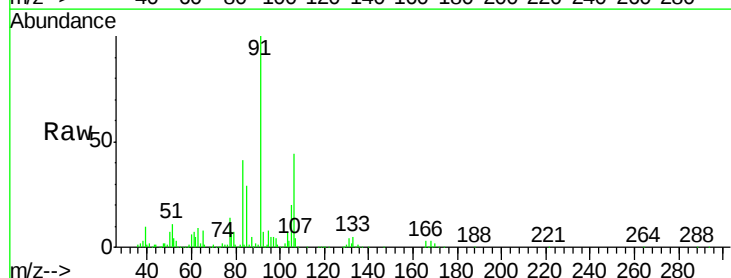
Manual Integrations
APPROVED

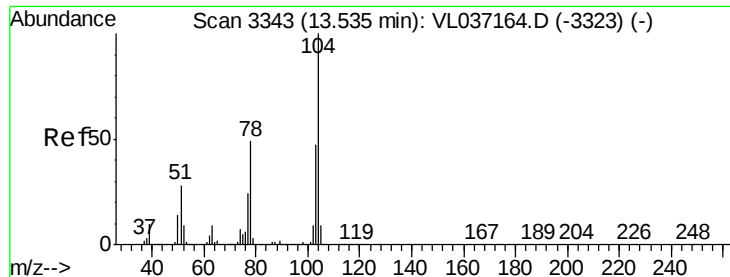
MMDadoda
6/17/2021 5:37:15 PM



#60
o-Xylene
Concen: 2.167 ppbv
RT: 13.70 min Scan# 3394
Delta R.T. -0.00 min
Lab File: VL037165.D
Acq: 16 Jun 2021 10:04

Tgt Ion: 91 Resp: 1065122
Ion Ratio Lower Upper
91 100
106 45.5 23.0 69.0





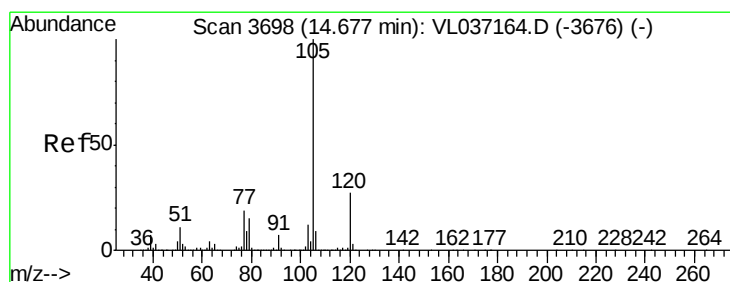
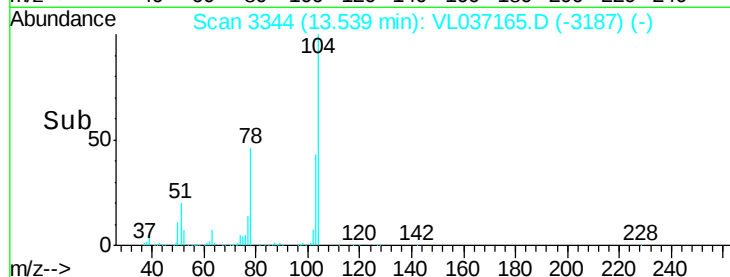
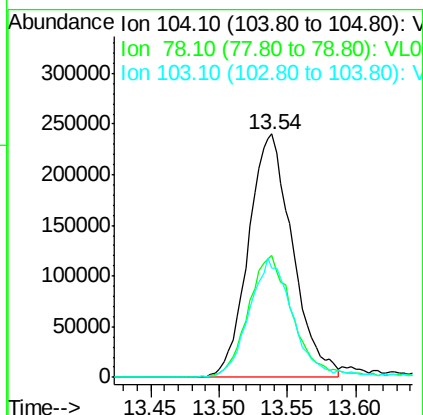
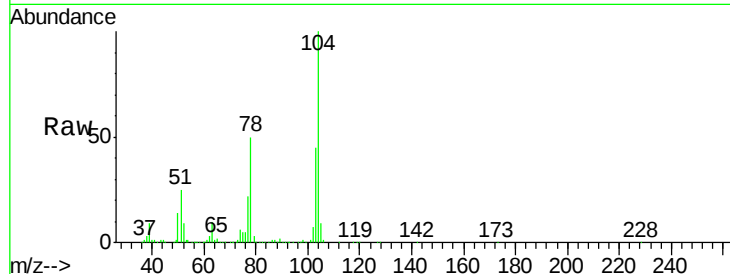
#61
Stvrene
Concen: 2.080 ppbv
RT: 13.54 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VL037165.D
Acq: 16 Jun 2021 10:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
104	100		
78	51.2	39.7	59.5
103	48.7	37.6	56.4

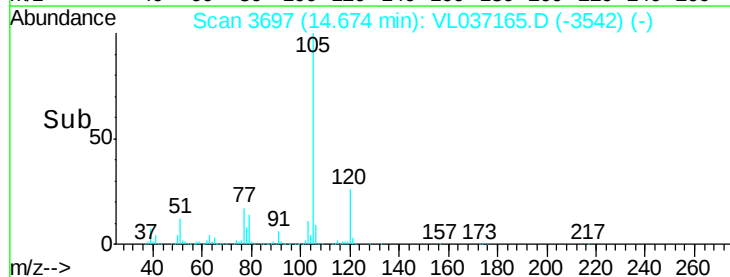
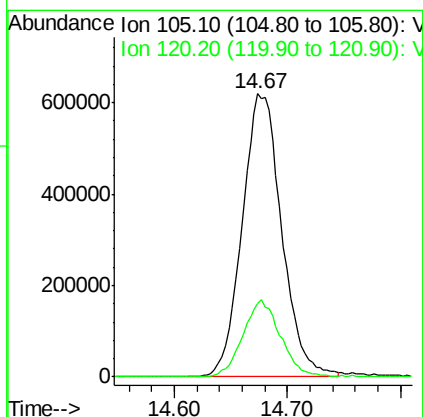
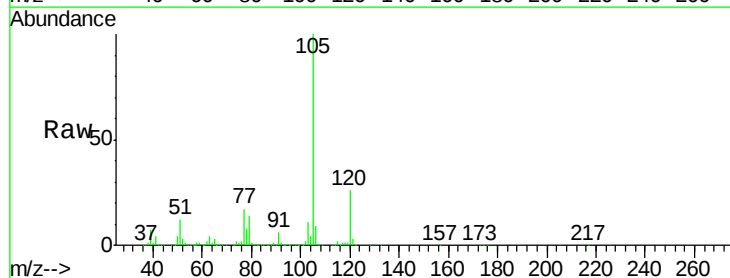
Manual Integrations
APPROVED

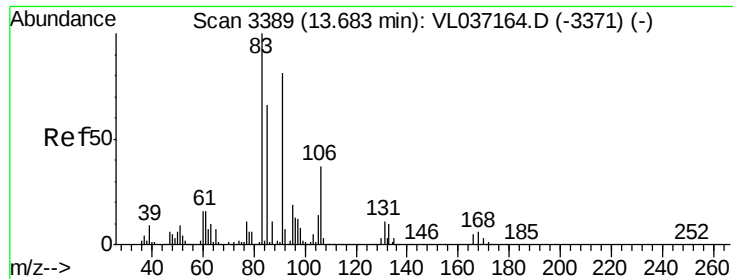
MMDadoda
6/17/2021 5:37:15 PM



#62
Isopropylbenzene
Concen: 2.145 ppbv
RT: 14.67 min Scan# 3697
Delta R.T. -0.00 min
Lab File: VL037165.D
Acq: 16 Jun 2021 10:04

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.0	21.6	32.4





#63

1,1,2,2-Tetrachloroethane

Concen: 2.120 ppbv

RT: 13.69 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VL037165.D

Acq: 16 Jun 2021 10:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 83 Resp: 677532

Ion Ratio Lower Upper

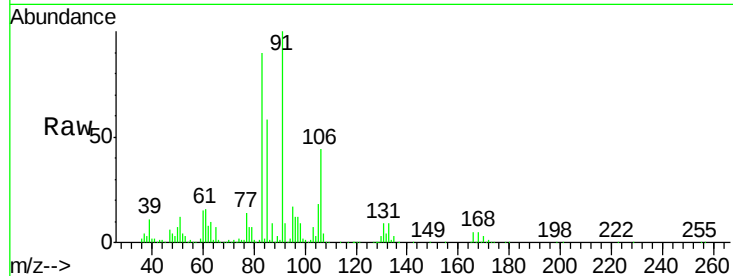
83 100

131 11.2 5.4 16.2

85 66.8 33.1 99.2

Manual Integrations
APPROVED

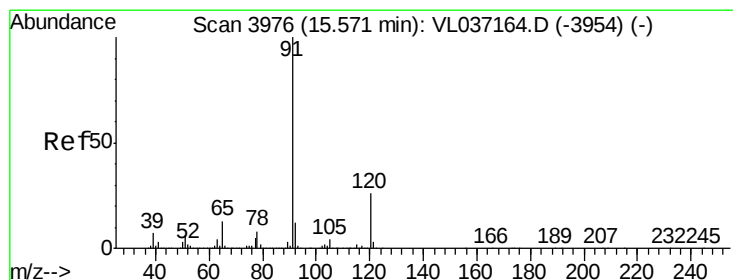
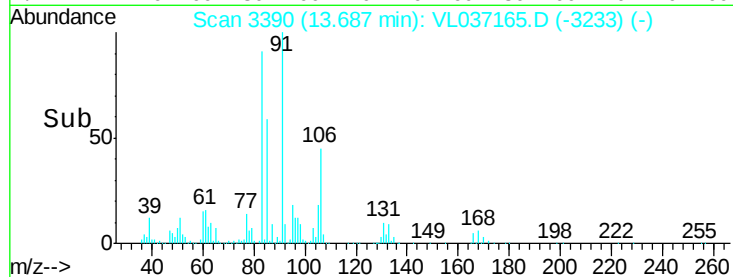
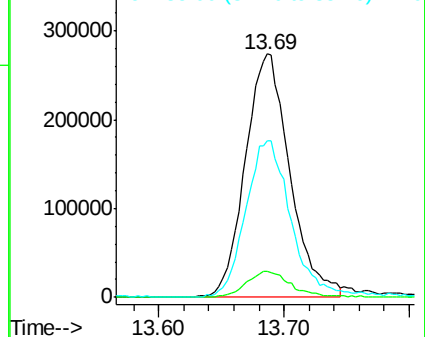
MMDadoda
6/17/2021 5:37:15 PM



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 2.099 ppbv

RT: 15.57 min Scan# 3975

Delta R.T. -0.00 min

Lab File: VL037165.D

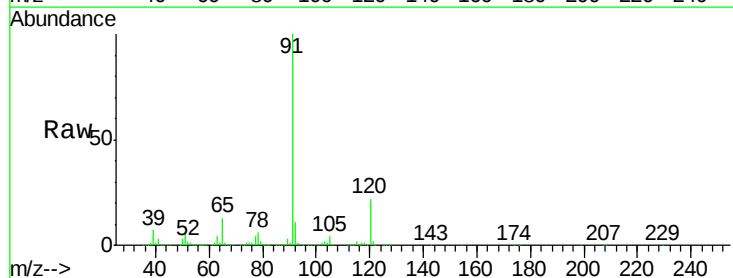
Acq: 16 Jun 2021 10:04

Tgt Ion: 120 Resp: 375050

Ion Ratio Lower Upper

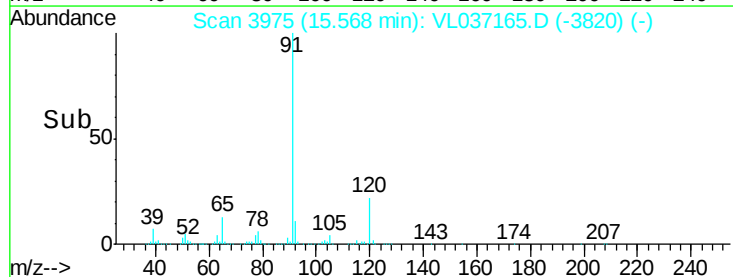
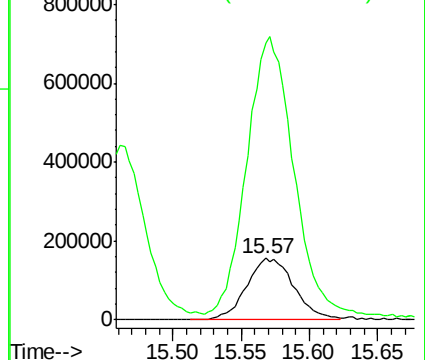
120 100

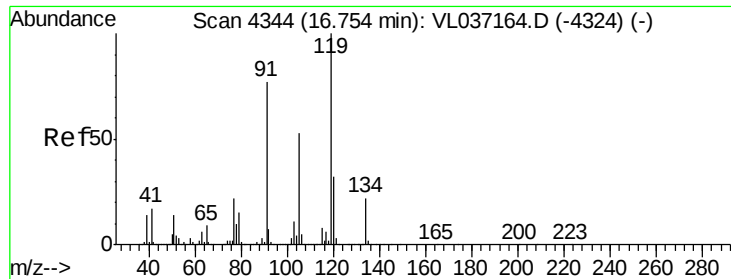
91 473.4 343.3 514.9



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0





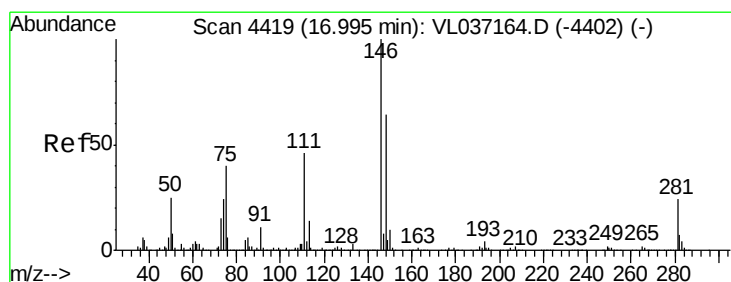
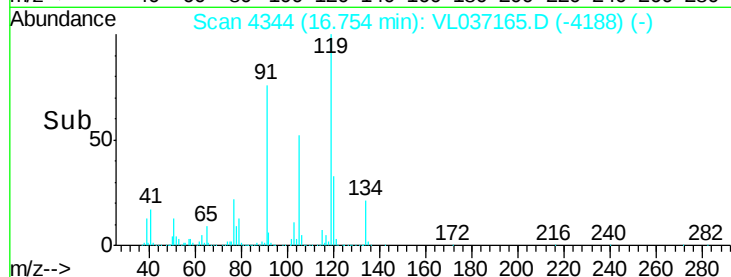
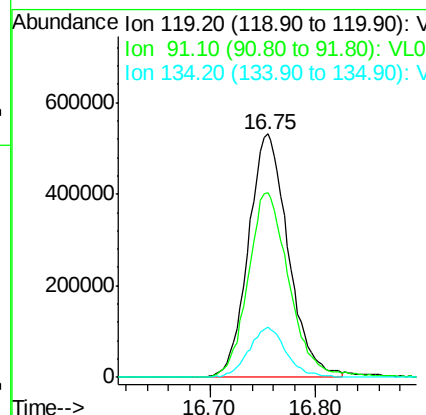
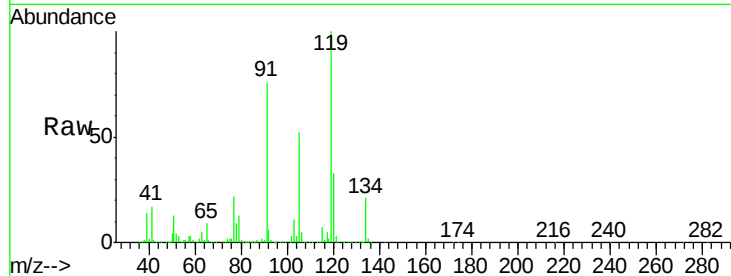
#65
tert-Butylbenzene
Concen: 2.197 ppbv
RT: 16.75 min Scan# 4344
Delta R.T. 0.00 min
Lab File: VL037165.D
Acq: 16 Jun 2021 10:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
119	100		
91	78.0	62.6	93.8
134	19.8	16.2	24.4

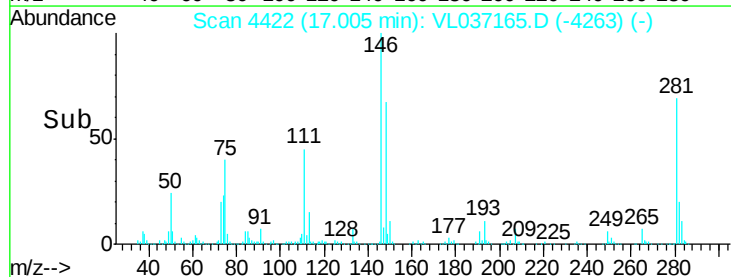
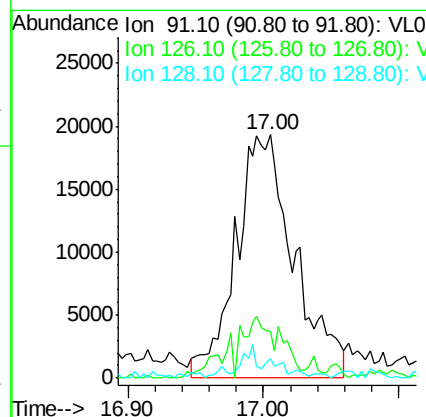
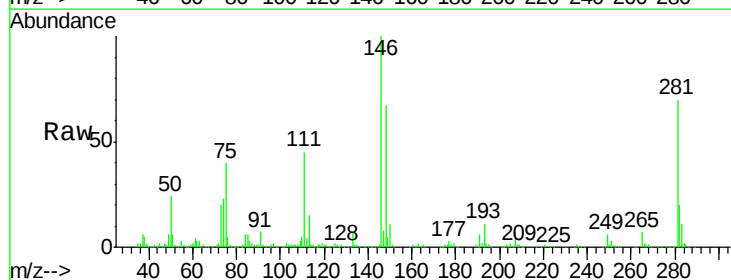
Manual Integrations
APPROVED

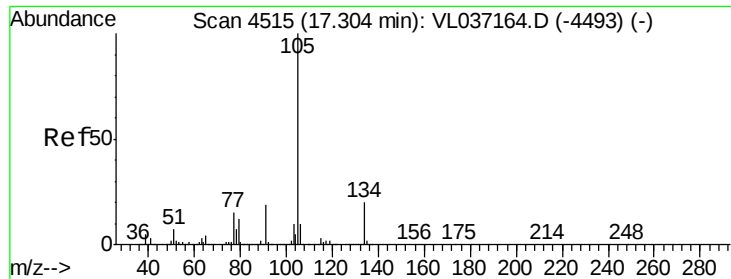
MMDadoda
6/17/2021 5:37:15 PM



#66
Benzyl Chloride
Concen: 2.080 ppbv m
RT: 17.00 min Scan# 4422
Delta R.T. 0.01 min
Lab File: VL037165.D
Acq: 16 Jun 2021 10:04

Tgt Ion	Ratio	Lower	Upper
91	100		
126	24.0	15.5	23.3#
128	7.9	5.7	8.5





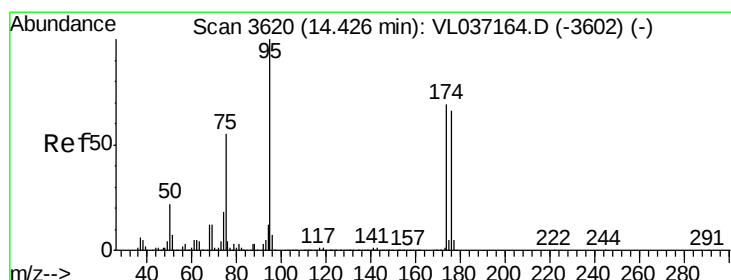
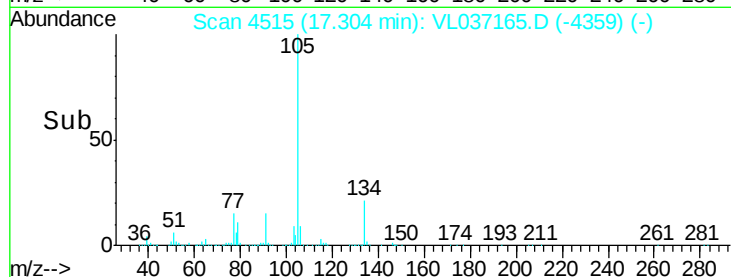
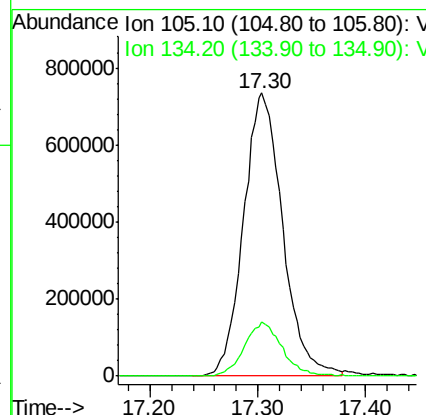
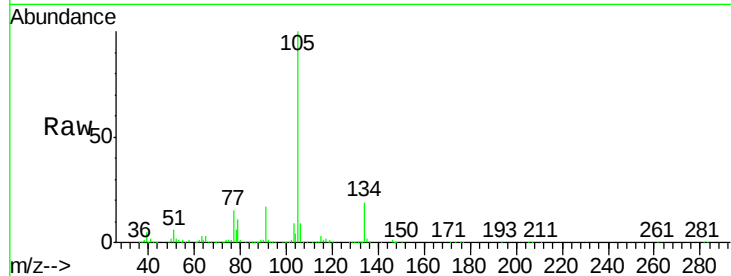
#67
 sec-Butylbenzene
 Concen: 2.194 ppbv
 RT: 17.30 min Scan# 4515
 Delta R.T. 0.00 min
 Lab File: VL037165.D
 Acq: 16 Jun 2021 10:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.6	15.8	23.6

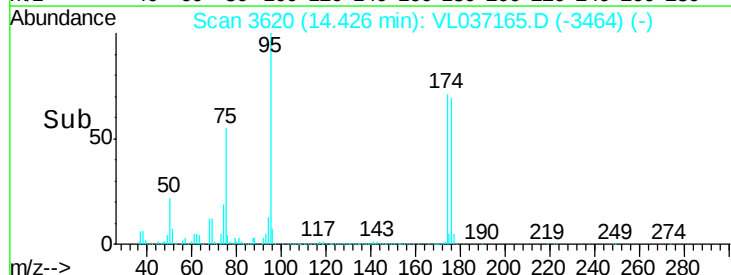
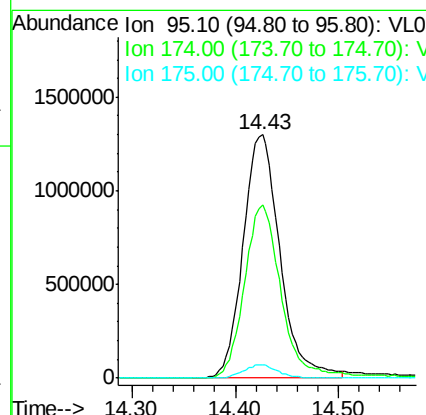
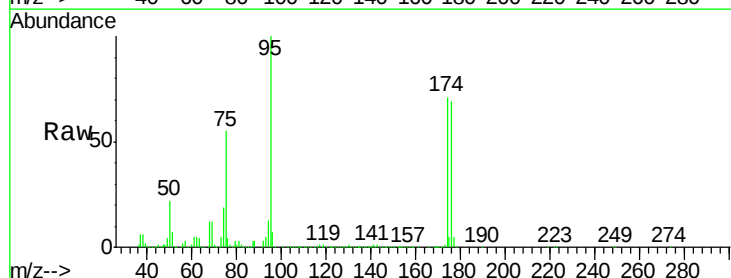
Manual Integrations
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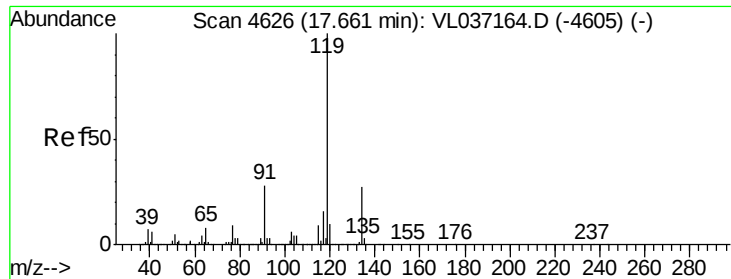
MMDadoda
 6/17/2021 5:37:15 PM



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.888 ppbv
 RT: 14.43 min Scan# 3620
 Delta R.T. 0.00 min
 Lab File: VL037165.D
 Acq: 16 Jun 2021 10:04

Tgt Ion	Ratio	Lower	Upper
95	100		
174	72.4	57.0	85.4
175	5.4	4.4	6.6





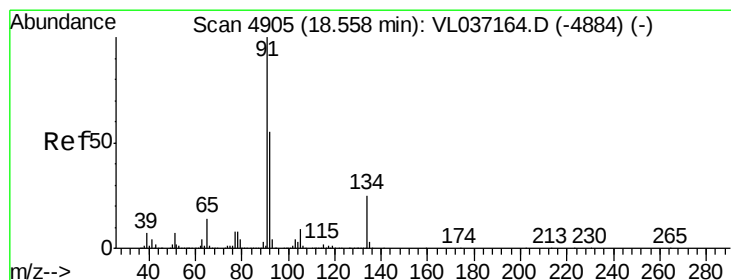
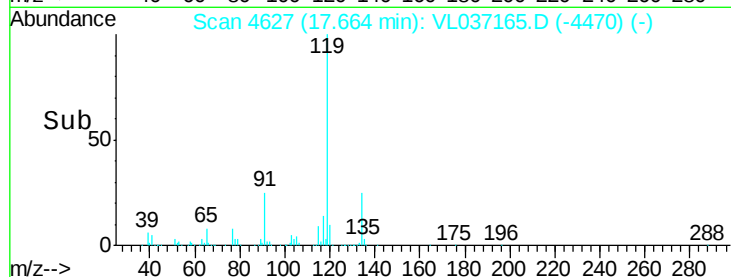
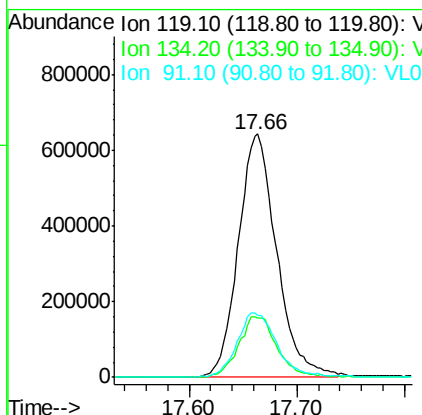
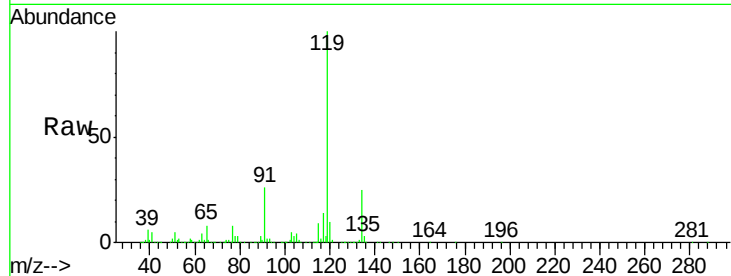
#69
 p-Isopropyltoluene
 Concen: 2.247 ppbv
 RT: 17.66 min Scan# 4627
 Delta R.T. 0.00 min
 Lab File: VL037165.D
 Acq: 16 Jun 2021 10:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.2	20.9	31.3
91	27.4	22.6	34.0

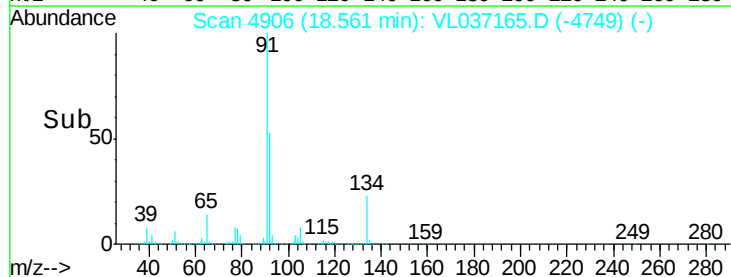
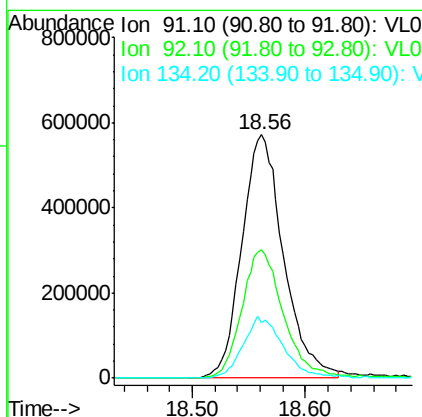
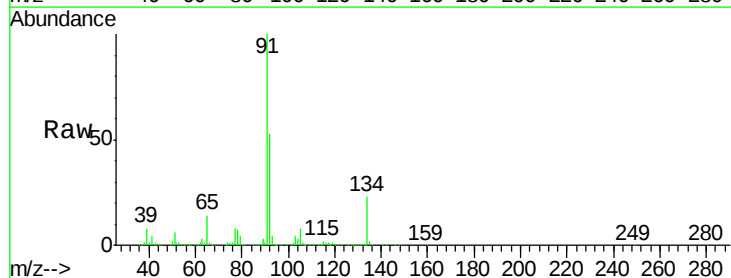
Manual Integrations
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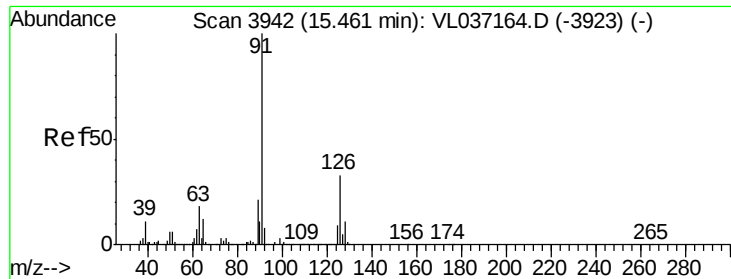
MMDadoda
 6/17/2021 5:37:15 PM



#70
 n-Butylbenzene
 Concen: 2.260 ppbv
 RT: 18.56 min Scan# 4906
 Delta R.T. 0.00 min
 Lab File: VL037165.D
 Acq: 16 Jun 2021 10:04

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.3	44.0	66.0
134	24.9	20.2	30.4





#71

2-Chlorotoluene

Concen: 2.106 ppbv

RT: 15.46 min Scan# 3942

Delta R.T. 0.00 min

Lab File: VL037165.D

Acq: 16 Jun 2021 10:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 91 Resp: 1052843

Ion Ratio Lower Upper

91 100

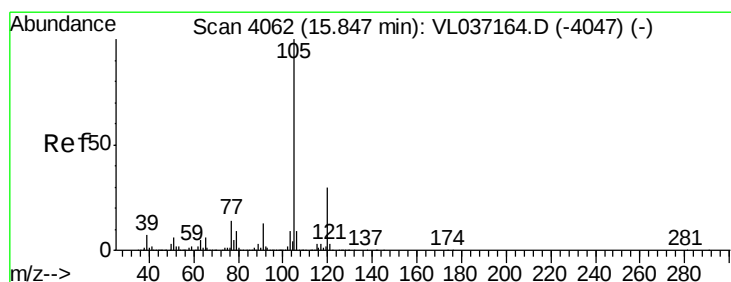
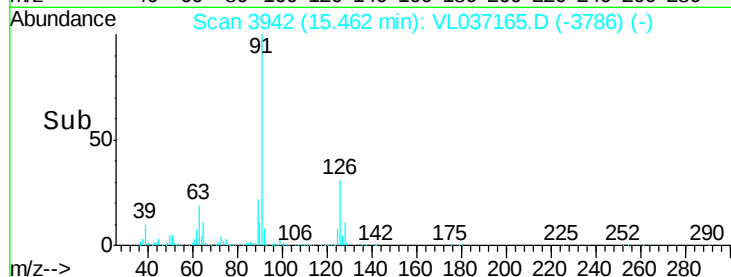
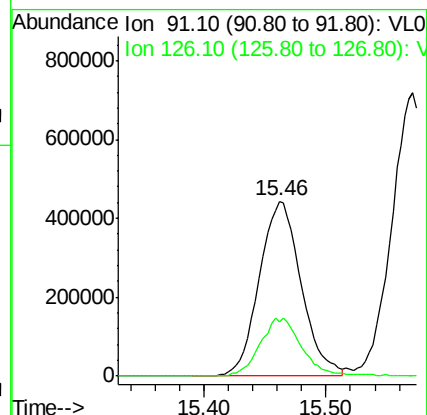
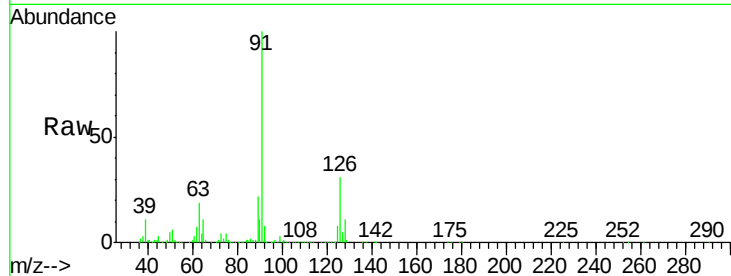
126 33.6 13.5 54.1

Manual Integrations

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6/17/2021 5:37:15 PM



#72

4-Ethyltoluene

Concen: 2.112 ppbv

RT: 15.85 min Scan# 4062

Delta R.T. 0.00 min

Lab File: VL037165.D

Acq: 16 Jun 2021 10:04

Tgt Ion: 105 Resp: 1205907

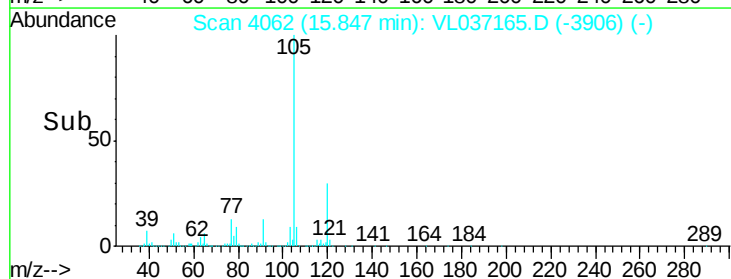
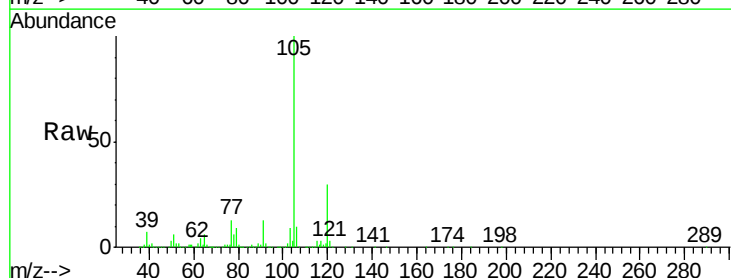
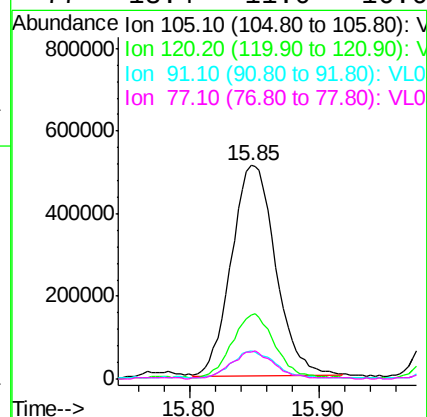
Ion Ratio Lower Upper

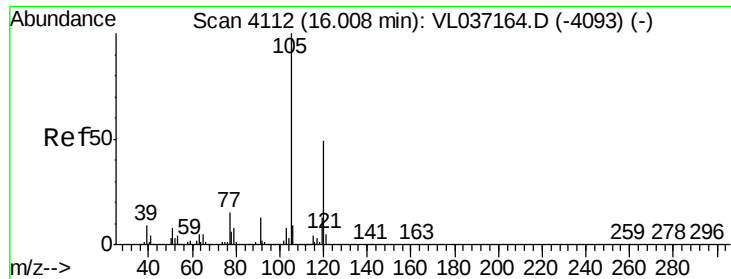
105 100

120 31.2 24.7 37.1

91 12.8 10.2 15.4

77 13.4 11.0 16.6





#73

1,3,5-Trimethylbenzene

Concen: 2.095 ppbv

RT: 16.00 min Scan# 4111

Delta R.T. -0.00 min

Lab File: VL037165.D

Acq: 16 Jun 2021 10:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion:105 Resp: 1135065

Ion Ratio Lower Upper

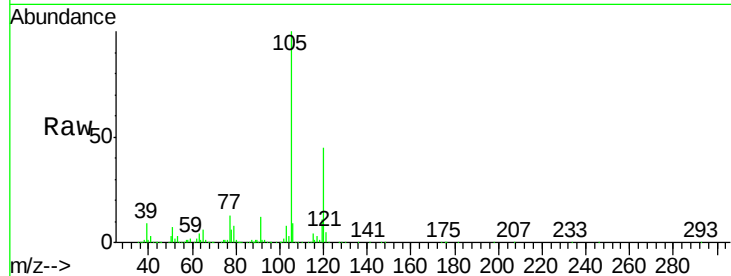
105 100

120 45.3 39.4 59.2

Manual Integrations
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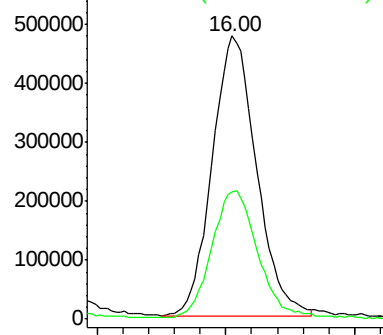
MMDadoda

6/17/2021 5:37:15 PM

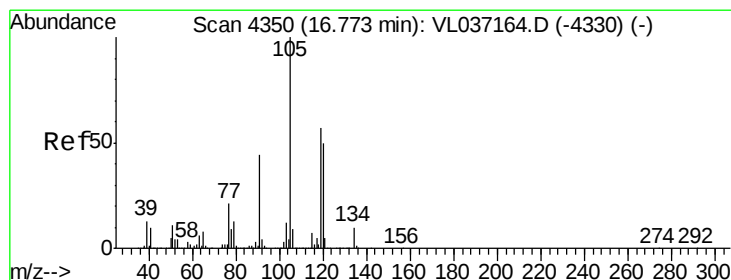
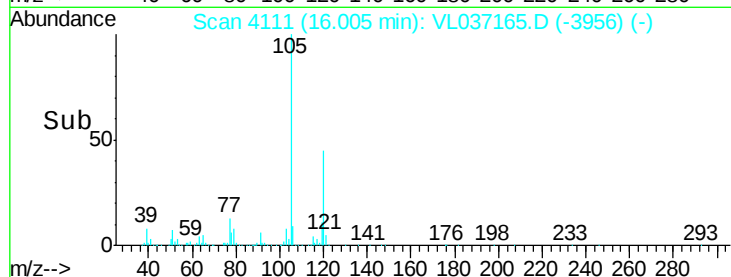


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



Time-->



#74

1,2,4-Trimethylbenzene

Concen: 2.193 ppbv

RT: 16.77 min Scan# 4349

Delta R.T. -0.00 min

Lab File: VL037165.D

Acq: 16 Jun 2021 10:04

Tgt Ion:105 Resp: 1208673

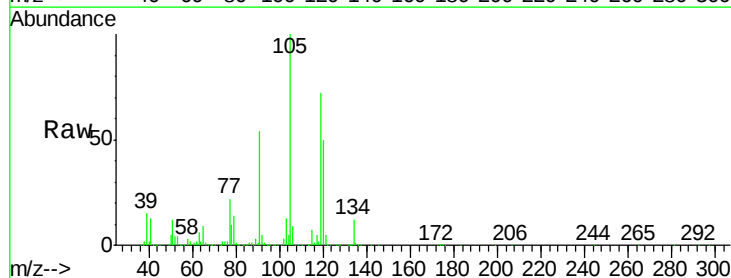
Ion Ratio Lower Upper

105 100

120 49.5 39.8 59.8

91 53.3 37.0 55.4

77 21.9 17.0 25.4

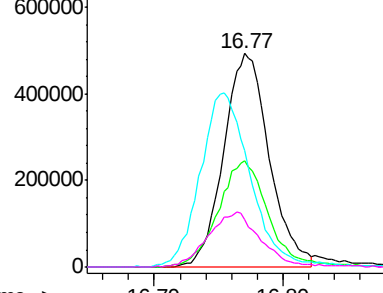


Abundance Ion 105.10 (104.80 to 105.80): V

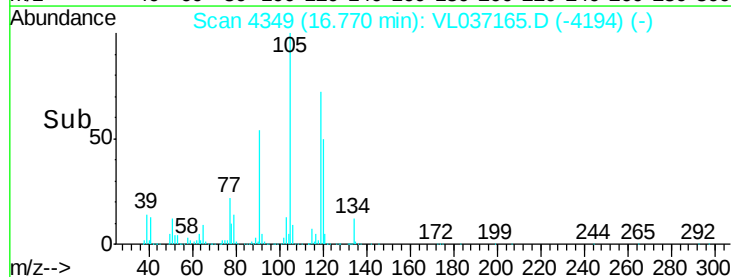
Ion 120.20 (119.90 to 120.90): V

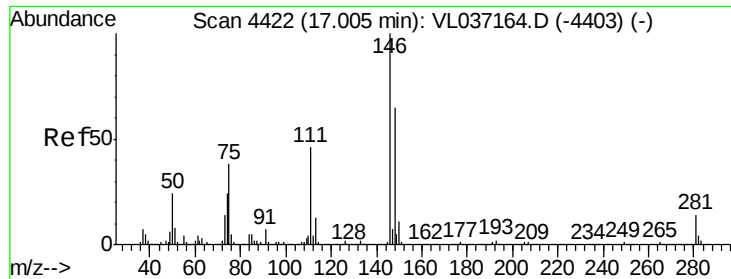
Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



Time-->





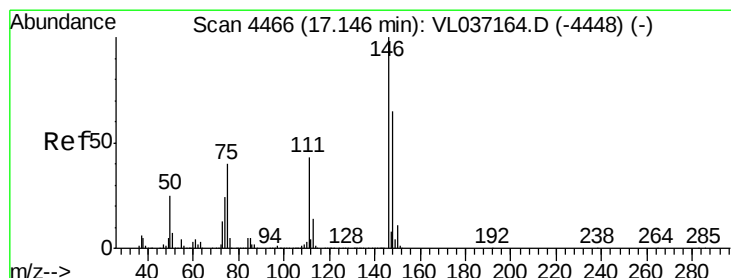
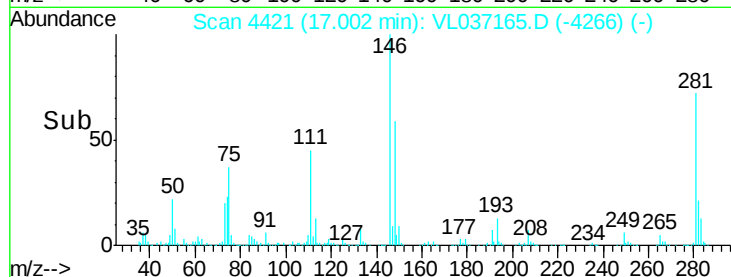
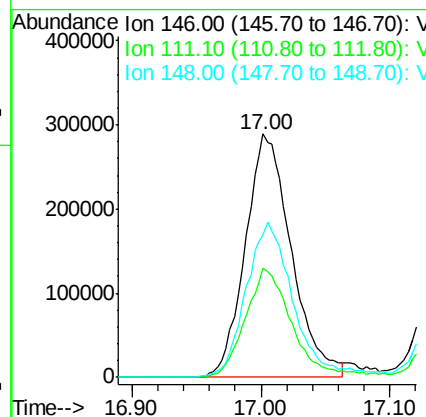
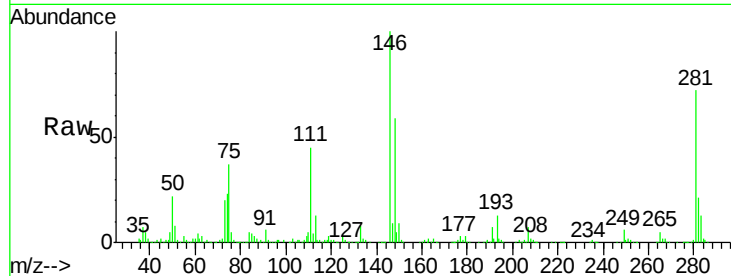
#75
 1,3-Dichlorobenzene
 Concen: 2.115 ppbv
 RT: 17.00 min Scan# 4421
 Delta R.T. -0.00 min
 Lab File: VL037165.D
 Acq: 16 Jun 2021 10:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Resp	Lower	Upper
146	100	717761		
111	45.2	22.2	66.6	
148	65.1	32.4	97.2	

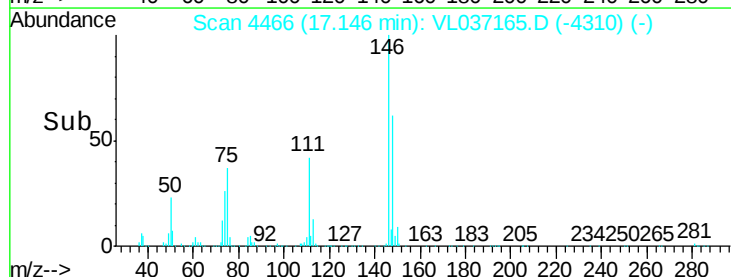
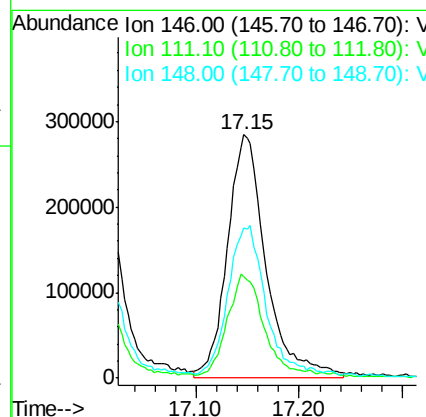
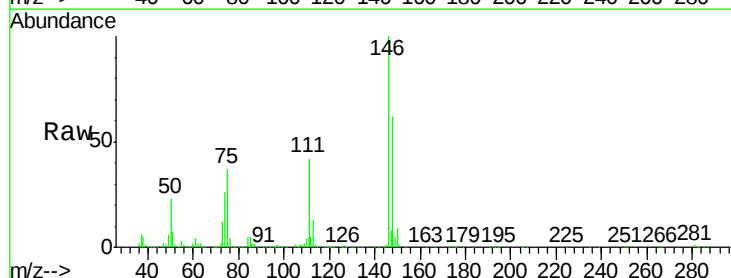
Manual Integrations
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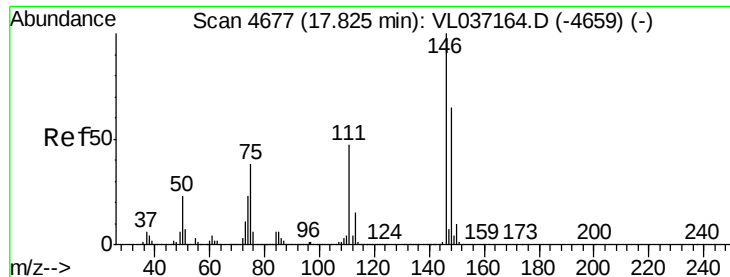
MMDadoda
 6/17/2021 5:37:15 PM



#76
 1,4-Dichlorobenzene
 Concen: 2.204 ppbv m
 RT: 17.15 min Scan# 4466
 Delta R.T. 0.00 min
 Lab File: VL037165.D
 Acq: 16 Jun 2021 10:04

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	742835		
111	44.8	22.7	68.0	
148	64.8	33.7	101.1	





#77

1,2-Dichlorobenzene

Concen: 2.087 ppbv

RT: 17.82 min Scan# 4677

Delta R.T. 0.00 min

Lab File: VL037165.D

Acq: 16 Jun 2021 10:04

Instrument :

MSVOA_L

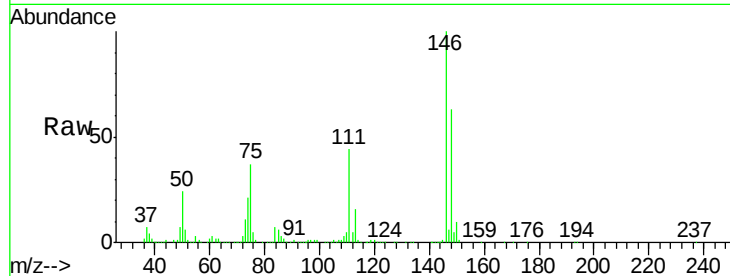
ClientSampleId :

VSTDIC002

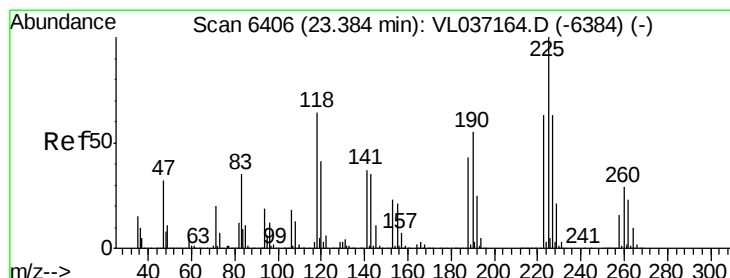
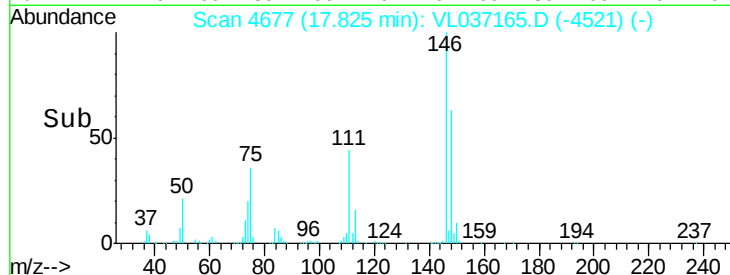
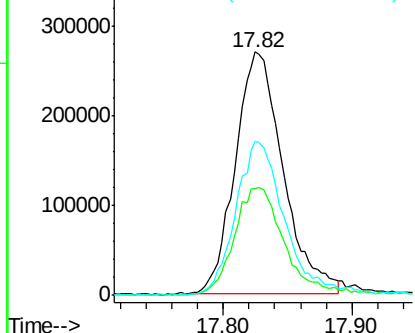
Tot Ion:	146	Resp:	698267
Ion Ratio		Lower	Upper
146	100		
111	47.0	23.3	69.8
148	65.6	32.4	97.0

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



#78

Hexachloro-1,3-Butadiene

Concen: 2.589 ppbv

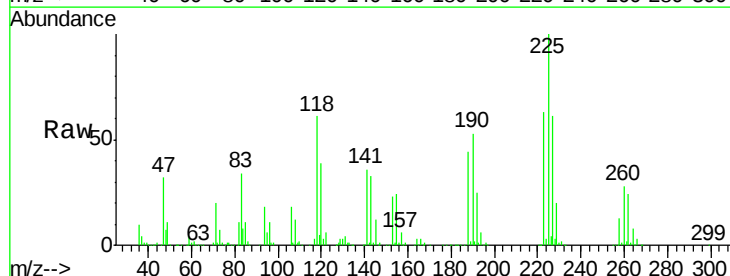
RT: 23.38 min Scan# 6406

Delta R.T. 0.00 min

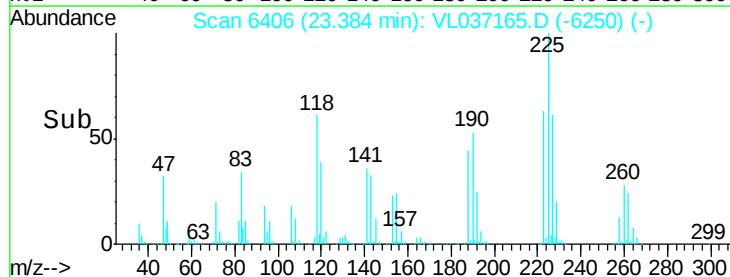
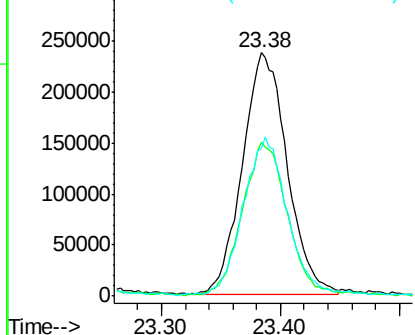
Lab File: VL037165.D

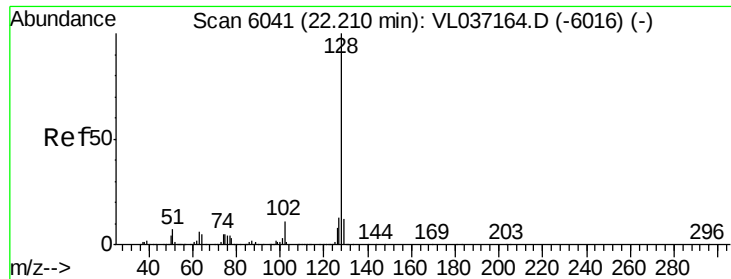
Acq: 16 Jun 2021 10:04

Tgt Ion:	225	Resp:	614123
Ion Ratio		Lower	Upper
225	100		
223	64.8	51.8	77.8
227	66.6	51.4	77.0



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





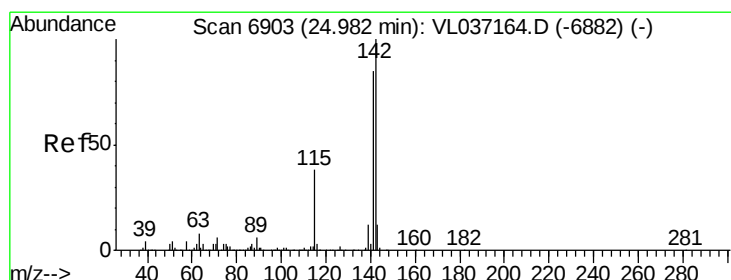
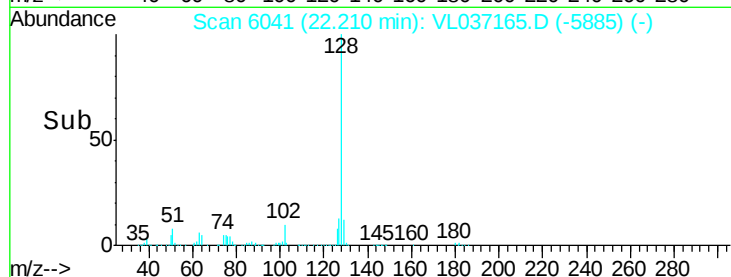
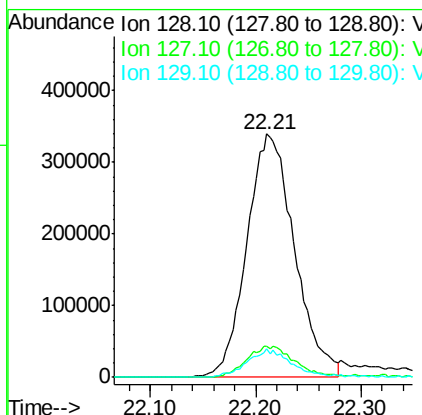
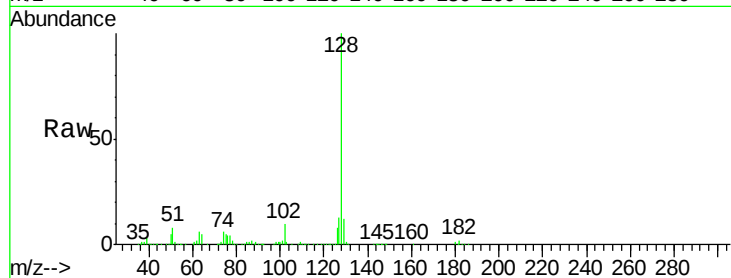
#79
Naphthalene
Concen: 3.213 ppbv
RT: 22.21 min Scan# 6041
Delta R.T. 0.00 min
Lab File: VL037165.D
Acq: 16 Jun 2021 10:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.7	16.1
129	11.7	9.3	13.9

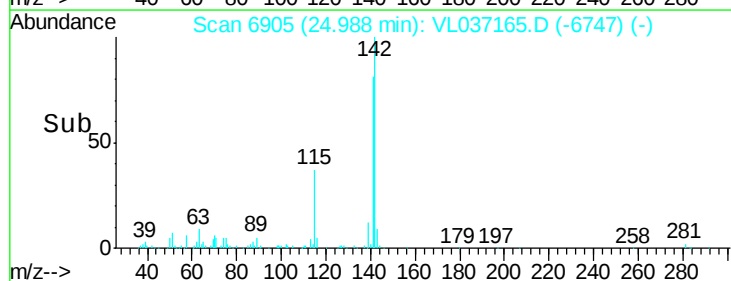
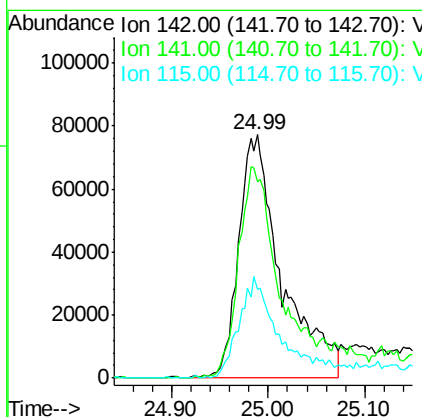
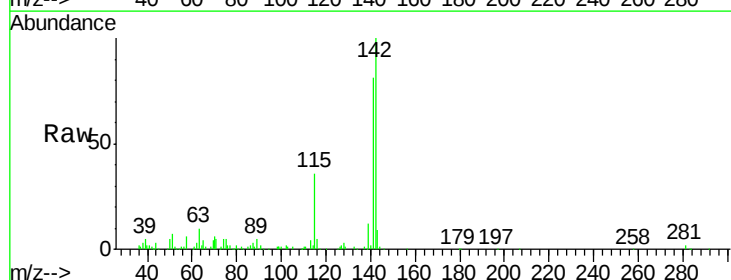
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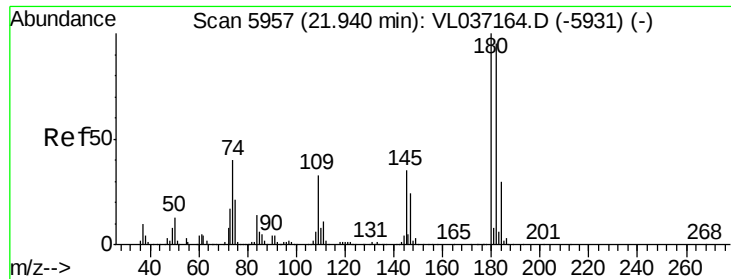
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#80
Naphthalene, 2-methyl-
Concen: 2.969 ppbv
RT: 24.99 min Scan# 6905
Delta R.T. 0.01 min
Lab File: VL037165.D
Acq: 16 Jun 2021 10:04

Tgt Ion	Ratio	Lower	Upper
142	100		
141	100.3	63.7	95.5#
115	40.8	30.6	45.8





#81
 1,2,4-Trichlorobenzene
 Concen: 2.836 ppbv
 RT: 21.94 min Scan# 5956
 Delta R.T. -0.00 min
 Lab File: VL037165.D
 Acq: 16 Jun 2021 10:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Resp	Lower	Upper
180	100	598560		
182	99.5	79.3	118.9	
184	30.6	24.7	37.1	

Manual Integrations
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