

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL073021\
 Data File : VL037289.D
 Acq On : 30 Jul 2021 17:58
 Operator : SY/AP
 Sample : VSTDIC002
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Manual Integrations
 APPROVED

MMDadoda
 8/2/2021 8:57:30 AM

Quant Time: Jul 30 23:00:48 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL073021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jul 30 2021
 QLast Update : Fri Jul 30 22:49:48 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1299716	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4022242	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3973480	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.43	95	2781054	9.33	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	383704	1.772	ppbv	99
3) Chlorodifluoromethane	2.98	51	544586	2.145	ppbv	99
4) Chloromethane	3.14	50	193869	2.289	ppbv	99
5) Vinyl Chloride	3.25	62	194112	2.088	ppbv	96
6) Bromomethane	3.47	94	116199	2.100	ppbv	96
7) Chloroethane	3.55	64	68541	2.060	ppbv	89
8) Dichlorotetrafluoroethane	3.18	85	456359	1.973	ppbv	96
9) Propene	3.01	41	176173	2.173	ppbv	94
10) Heptane	8.13	43	437861	2.219	ppbv	99
11) Trichlorofluoromethane	3.95	101	484728	2.029	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.49	101	361389	2.127	ppbv	99
13) Ethanol	3.61	45	40297m	3.111	ppbv	
14) Bromoethene	3.74	108	156781	2.197	ppbv	99
15) Acetone	3.85	43	601752	4.056	ppbv #	78
16) 1,3-Butadiene	3.32	39	182055	2.111	ppbv	97
17) tert-Butyl alcohol	4.29	59	322095	2.377	ppbv	99
18) 1,1-Dichloroethene	4.29	96	152501	2.018	ppbv	99
19) Isopropyl Alcohol	3.97	45	201750m	2.281	ppbv	
20) Methylene Chloride	4.34	84	172022	1.859	ppbv	96
21) Allyl Chloride	4.41	41	223047	2.019	ppbv	99
22) trans-1,2-Dichloroethene	4.88	96	143818	1.906	ppbv	97
23) Vinyl Acetate	5.07	43	425897	2.070	ppbv #	98
24) 1,1-Dichloroethane	5.01	63	318762	1.927	ppbv	96
25) Ethyl Acetate	5.68	43	715077	2.212	ppbv	99
26) Hexane	5.69	57	392266	2.365	ppbv	98
27) Carbon Disulfide	4.55	76	319521	2.042	ppbv	98
28) Methyl tert-Butyl Ether	5.04	73	349613	1.879	ppbv	99
29) Chloroform	5.75	83	544470	2.188	ppbv	94
30) Cyclohexane	7.13	84	306708	2.261	ppbv	88
31) cis-1,2-Dichloroethene	5.55	61	328273	2.202	ppbv	97
32) 1,1,1-Trichloroethane	6.51	97	536075	2.020	ppbv	99
34) 2-Butanone	5.25	43	386862	2.475	ppbv #	88
35) Carbon Tetrachloride	7.02	117	566329	2.119	ppbv	98
36) Benzene	6.90	78	742312	2.275	ppbv	97
37) 1,2-Dichloroethane	6.31	62	380092	2.033	ppbv	98
38) Trichloroethene	7.84	130	320667	2.058	ppbv	96
39) 1,2-Dichloropropane	7.62	63	278145	2.303	ppbv	97
40) 1,4-Dioxane	7.85	88	74728m	2.272	ppbv	
41) Tetrahydrofuran	6.06	42	153218	2.109	ppbv	97
42) Bromodichloromethane	7.80	83	541652	2.099	ppbv	100
43) Methyl Methacrylate	8.02	69	242587m	2.163	ppbv	

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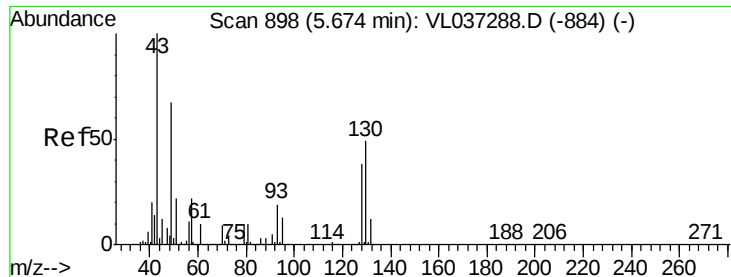
MMDadoda
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Quant Time: Jul 30 23:00:48 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL073021AIR.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.87	57	1208000	2.205	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	187788	1.923	ppbv	100
46) cis-1,3-Dichloropropene	8.71	75	288326	2.152	ppbv	98
47) 1,1,2-Trichloroethane	9.48	97	307917	2.224	ppbv	93
48) Dibromochloromethane	10.31	129	482113	2.216	ppbv	99
49) Bromoform	13.05	173	388536m	2.365	ppbv	
50) 4-Methyl-2-Pentanone	8.76	43	505427	2.375	ppbv	100
51) 2-Hexanone	10.16	43	234427	2.266	ppbv #	99
52) Tetrachloroethene	11.23	164	316555	2.084	ppbv	97
53) Toluene	9.81	91	876621	2.243	ppbv	100
54) 1,2-Dibromoethane	10.62	107	440064	2.216	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.13	131	367799	2.129	ppbv #	1
57) Chlorobenzene	12.16	112	712428	2.210	ppbv	96
58) Ethyl Benzene	12.72	91	1182113	2.170	ppbv	98
59) m/p-Xylene	13.00	91	2040588m	4.420	ppbv	
60) o-Xylene	13.70	91	988855	2.246	ppbv	98
61) Styrene	13.54	104	502674	2.217	ppbv	98
62) Isopropylbenzene	14.67	105	1368999	2.182	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.69	83	656405	2.222	ppbv	99
64) n-propylbenzene	15.57	120	359783	2.284	ppbv	92
65) tert-Butylbenzene	16.75	119	1304612	2.329	ppbv	99
66) Benzyl Chloride	17.00	91	51803m	2.005	ppbv	
67) sec-Butylbenzene	17.30	105	1728934	2.313	ppbv	99
69) p-Isopropyltoluene	17.66	119	1502438	2.378	ppbv	99
70) n-Butylbenzene	18.56	91	1416096	2.422	ppbv	99
71) 2-Chlorotoluene	15.46	91	999298	2.274	ppbv	98
72) 4-Ethyltoluene	15.85	105	1150192	2.271	ppbv	99
73) 1,3,5-Trimethylbenzene	16.01	105	1071244	2.197	ppbv	98
74) 1,2,4-Trimethylbenzene	16.77	105	1209260	2.409	ppbv	97
75) 1,3-Dichlorobenzene	17.00	146	712664	2.317	ppbv	99
76) 1,4-Dichlorobenzene	17.15	146	733481m	2.372	ppbv	
77) 1,2-Dichlorobenzene	17.82	146	691054	2.314	ppbv	98
78) Hexachloro-1,3-Butadiene	23.39	225	537580m	2.143	ppbv	
79) Naphthalene	22.21	128	1048297	2.591	ppbv	98
80) Naphthalene, 2-methyl-	24.98	142	332040	3.145	ppbv #	91
81) 1,2,4-Trichlorobenzene	21.94	180	612386	2.584	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.01 min

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MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 49 Resp: 1299716

Ion Ratio Lower Upper

49 100

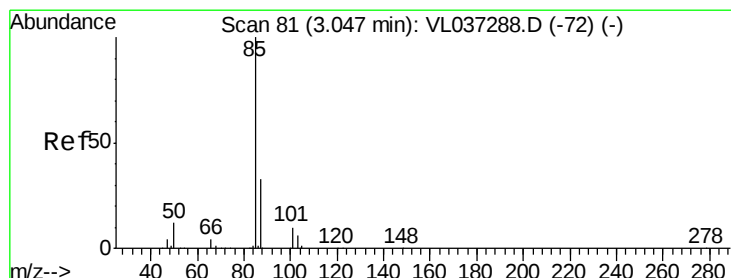
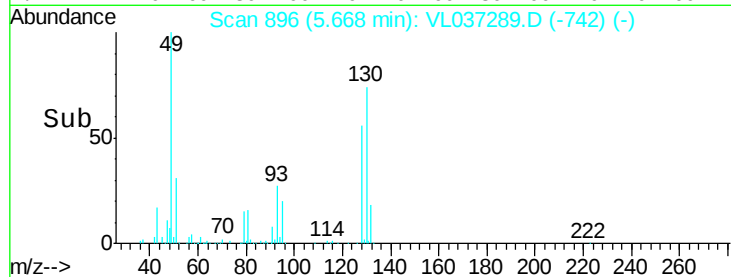
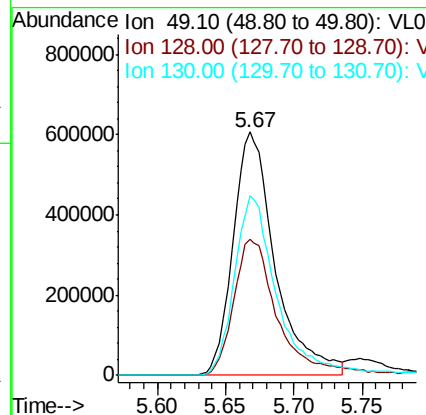
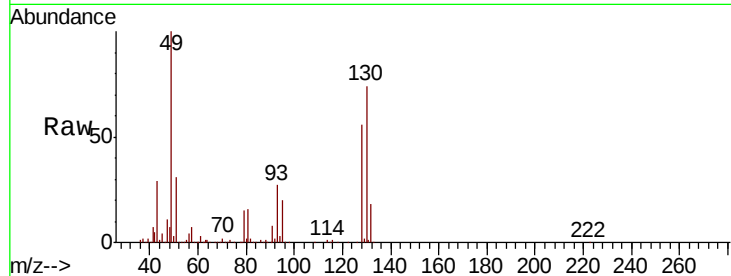
128 60.5 30.6 92.0

130 76.8 37.8 113.4

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 1.772 ppbv

RT: 3.04 min Scan# 79

Delta R.T. -0.01 min

Lab File: VL037289.D

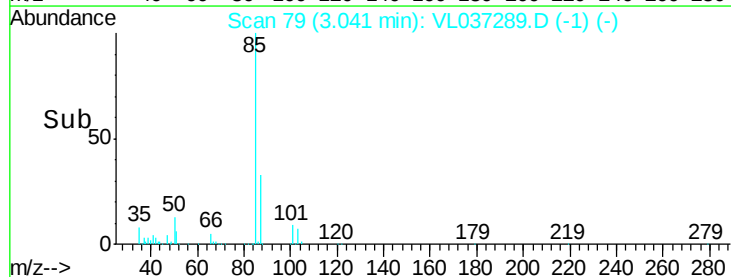
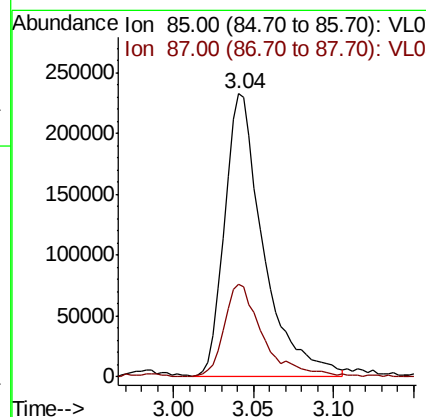
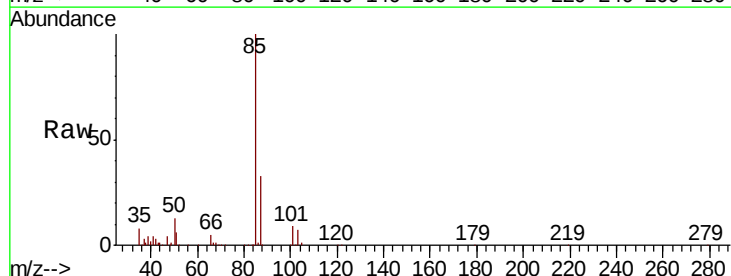
Acq: 30 Jul 2021 17:58

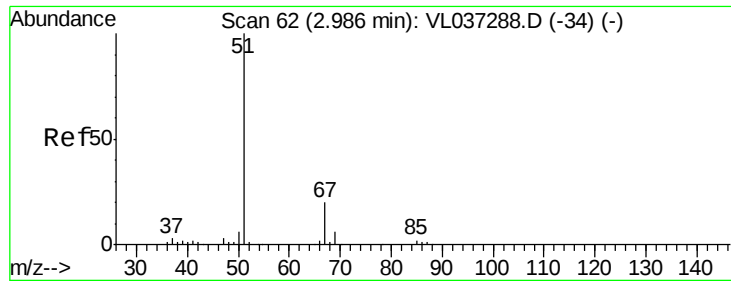
Tgt Ion: 85 Resp: 383704

Ion Ratio Lower Upper

85 100

87 33.0 26.6 40.0





#3

Chlorodifluoromethane

Concen: 2.145 ppbv

RT: 2.98 min Scan# 61

Delta R.T. -0.00 min

Lab File: VL037289.D

Acq: 30 Jul 2021 17:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 51 Resp: 544586

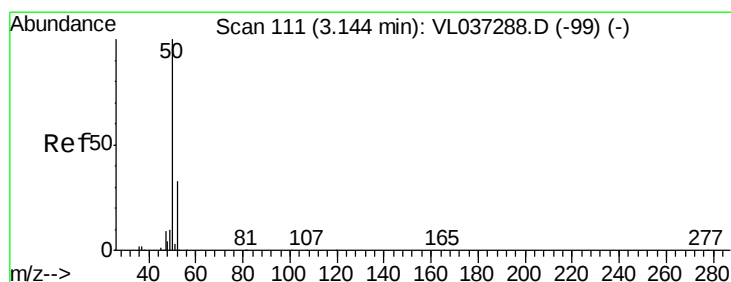
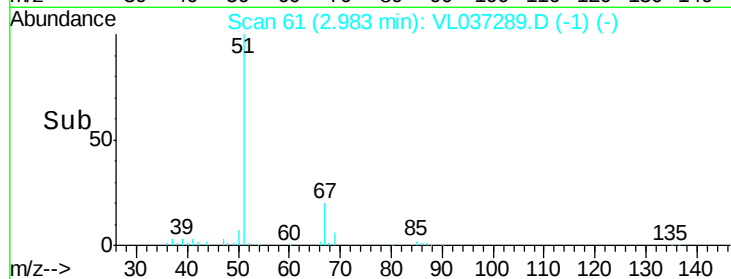
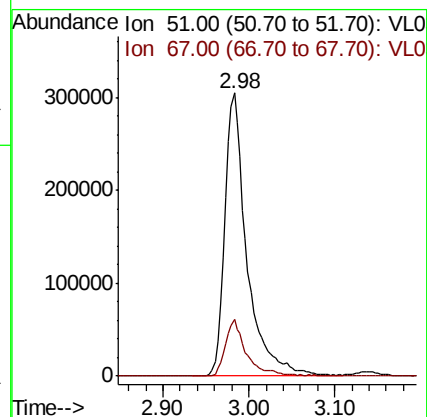
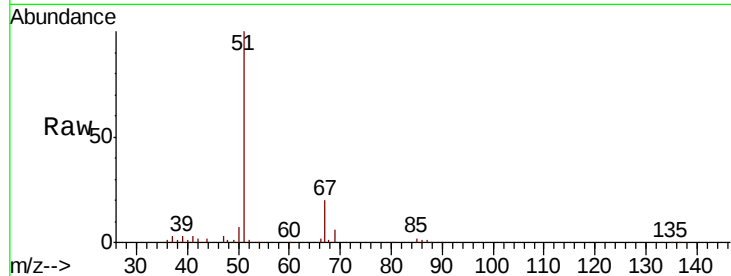
Ion Ratio Lower Upper

51 100

67 19.3 15.2 22.8

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#4

Chloromethane

Concen: 2.289 ppbv

RT: 3.14 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL037289.D

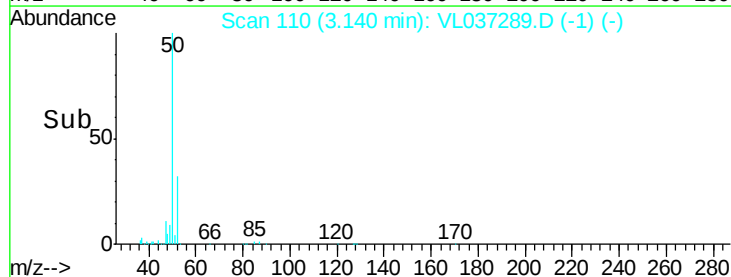
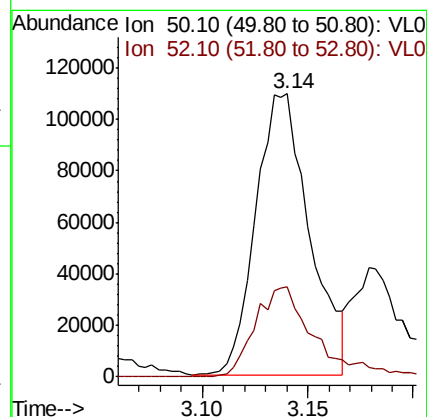
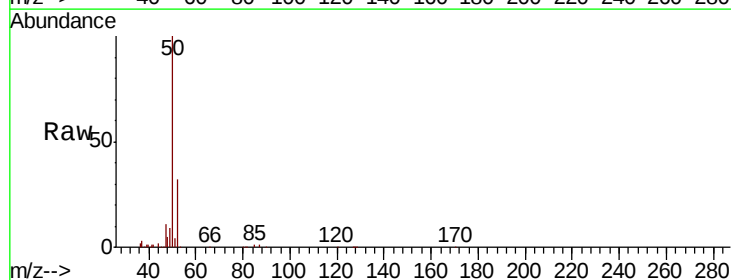
Acq: 30 Jul 2021 17:58

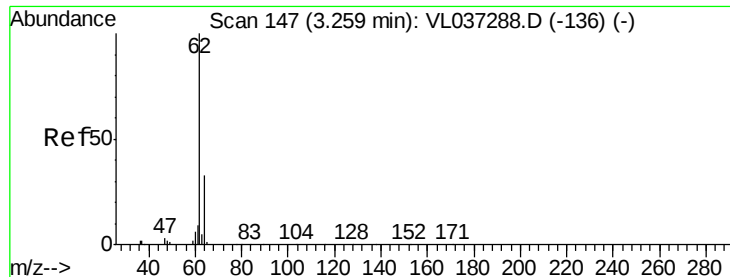
Tgt Ion: 50 Resp: 193869

Ion Ratio Lower Upper

50 100

52 32.2 26.2 39.4





#5

Vinyl Chloride

Concen: 2.088 ppbv

RT: 3.25 min Scan# 145

Delta R.T. -0.01 min

Lab File: VL037289.D

Acq: 30 Jul 2021 17:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 62 Resp: 194112

Ion Ratio Lower Upper

62 100

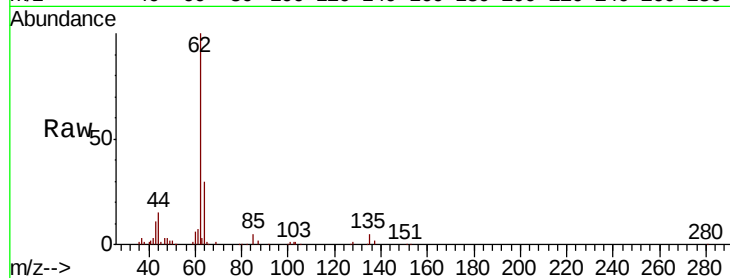
64 30.3 26.1 39.1

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

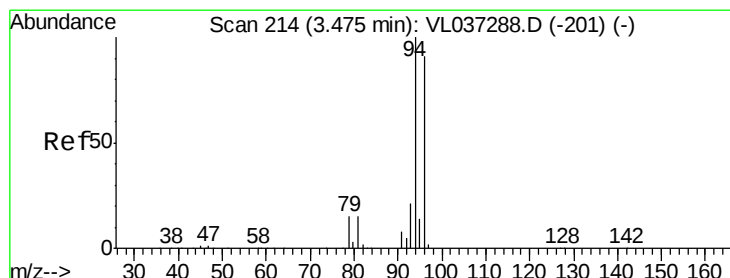
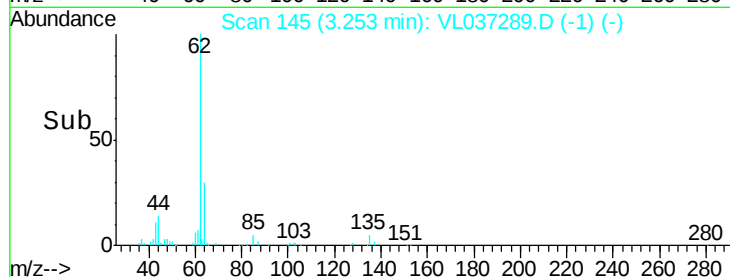
3.25

100000

50000

0

Time-->



#6

Bromomethane

Concen: 2.100 ppbv

RT: 3.47 min Scan# 212

Delta R.T. -0.01 min

Lab File: VL037289.D

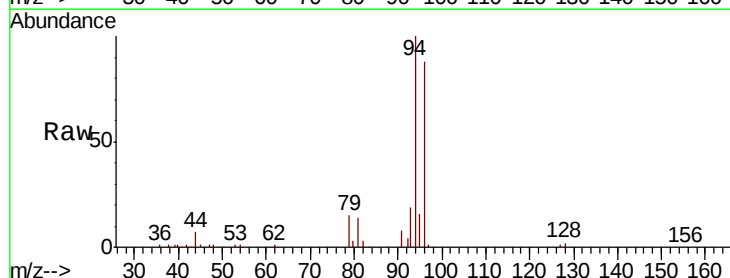
Acq: 30 Jul 2021 17:58

Tgt Ion: 94 Resp: 116199

Ion Ratio Lower Upper

94 100

96 86.8 72.7 109.1



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.47

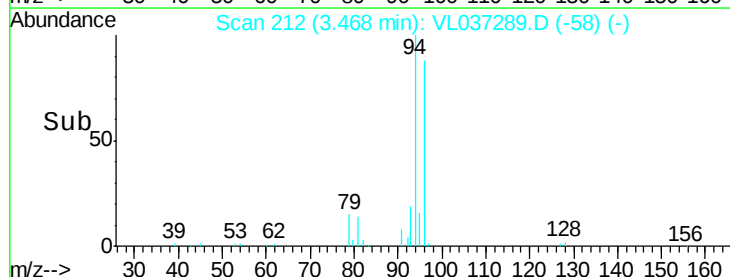
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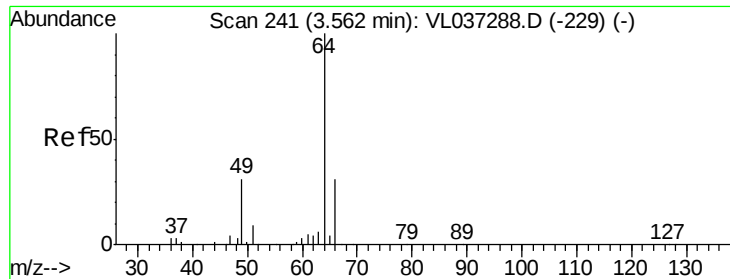
40000

20000

0

Time-->





#7

Chloroethane

Concen: 2.060 ppbv

RT: 3.55 min Scan# 238

Delta R.T. -0.01 min

Lab File: VL037289.D

Acq: 30 Jul 2021 17:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 64 Resp: 68541

Ion Ratio Lower Upper

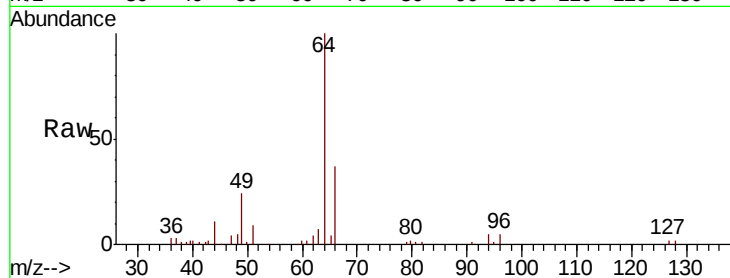
64 100

66 37.1 24.9 37.3

Manual Integrations
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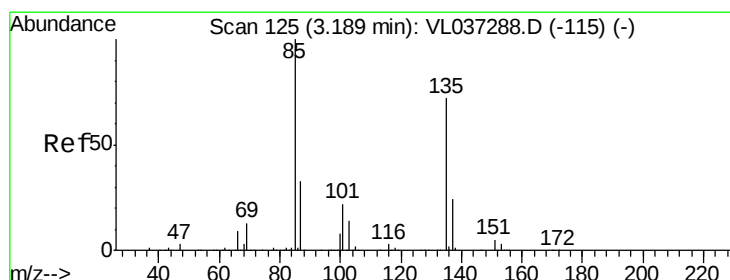
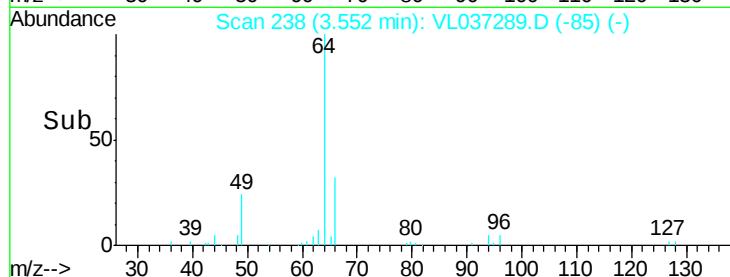
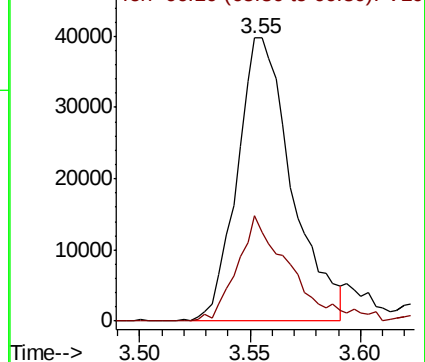
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 1.973 ppbv

RT: 3.18 min Scan# 123

Delta R.T. -0.01 min

Lab File: VL037289.D

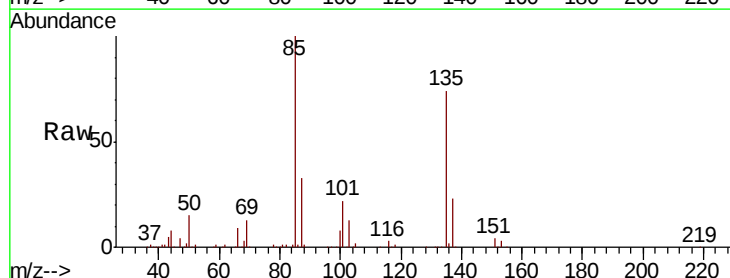
Acq: 30 Jul 2021 17:58

Tgt Ion: 85 Resp: 456359

Ion Ratio Lower Upper

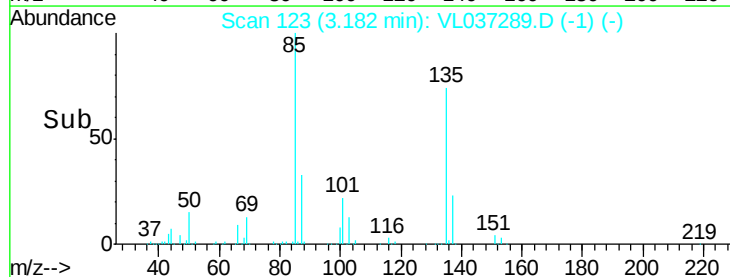
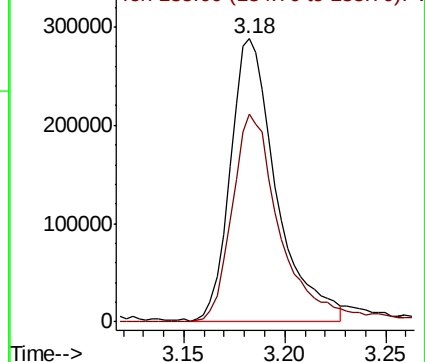
85 100

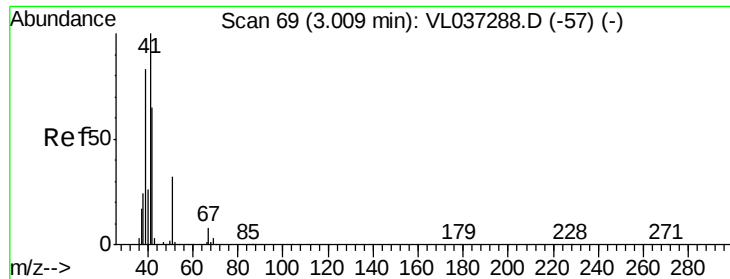
135 79.6 61.0 91.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 2.173 ppbv

RT: 3.01 min Scan# 68

Delta R.T. -0.00 min

Lab File: VL037289.D

Acq: 30 Jul 2021 17:58

Instrument :

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ClientSampleId :

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Tot Ion: 41 Resp: 176173

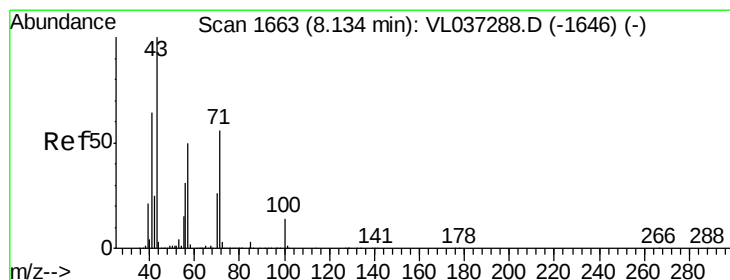
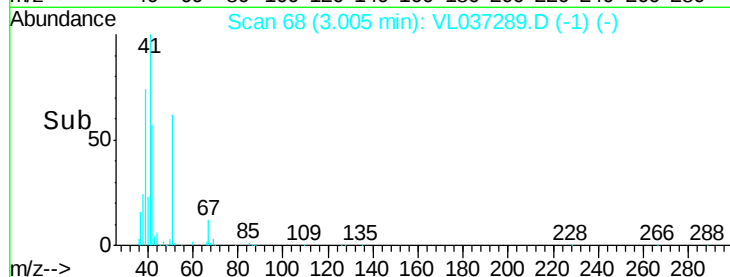
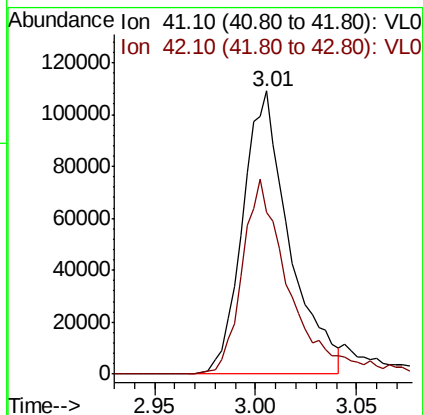
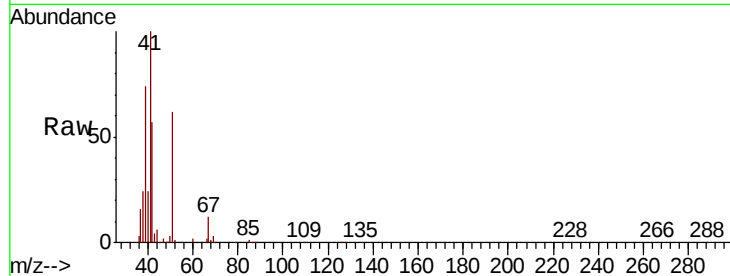
Ion Ratio Lower Upper

41 100

42 72.2 54.0 81.0

Manual Integrations
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#10

Heptane

Concen: 2.219 ppbv

RT: 8.13 min Scan# 1661

Delta R.T. -0.01 min

Lab File: VL037289.D

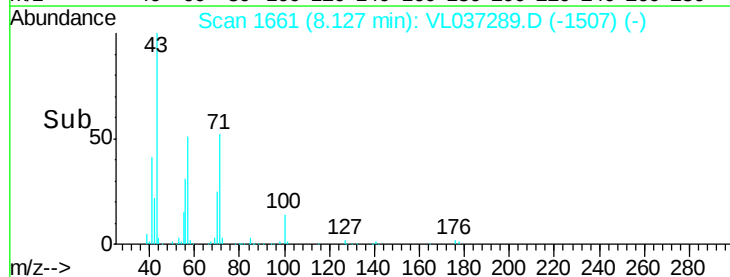
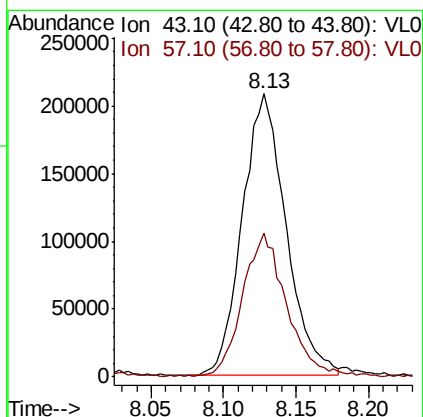
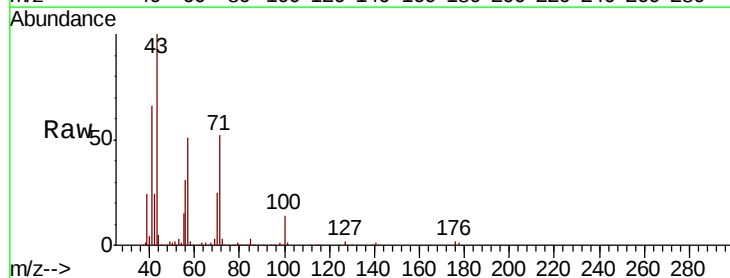
Acq: 30 Jul 2021 17:58

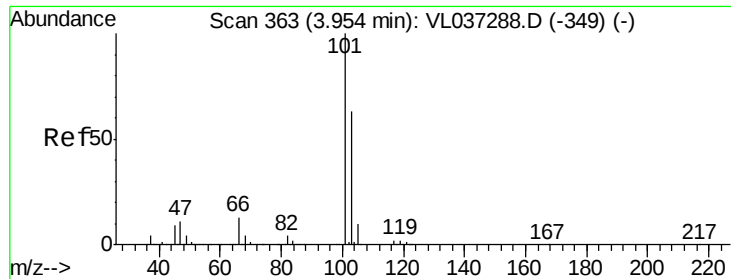
Tgt Ion: 43 Resp: 437861

Ion Ratio Lower Upper

43 100

57 50.7 40.9 61.3





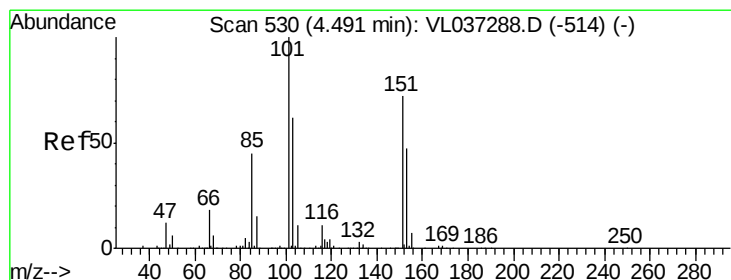
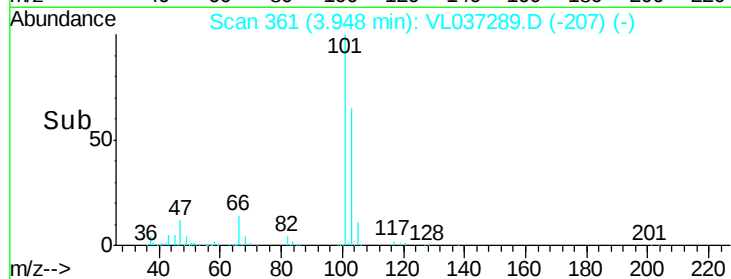
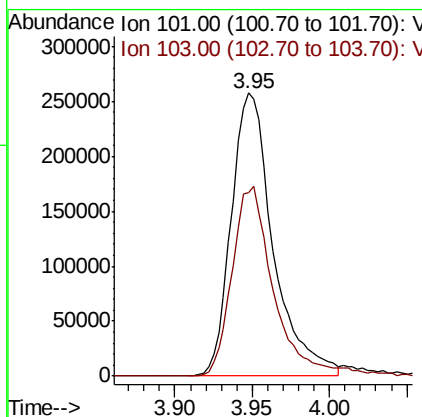
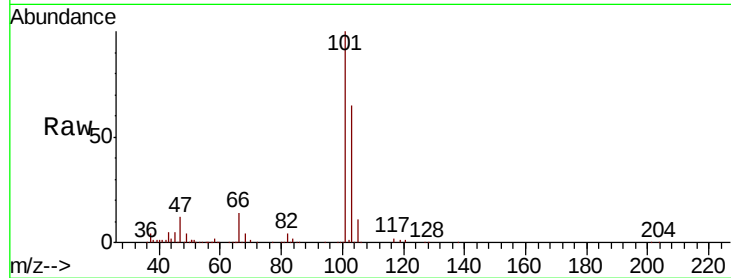
#11
 Trichlorofluoromethane
 Concen: 2.029 ppbv
 RT: 3.95 min Scan# 361
 Delta R.T. -0.01 min
 Lab File: VL037289.D
 Acq: 30 Jul 2021 17:58

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	50.6	75.8

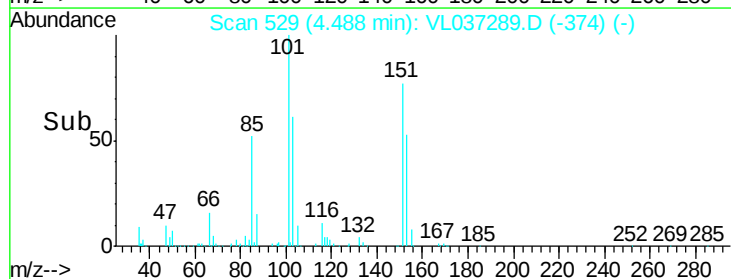
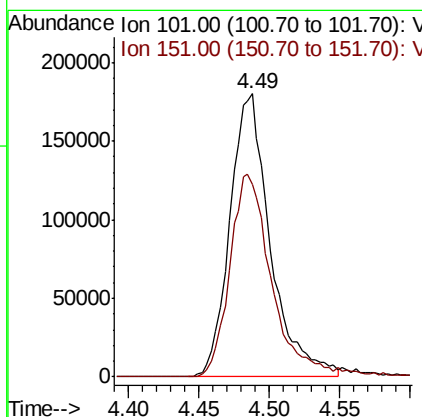
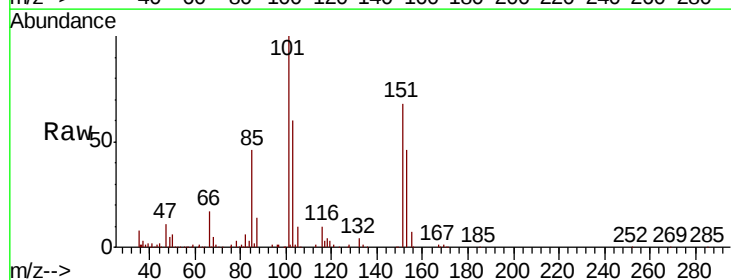
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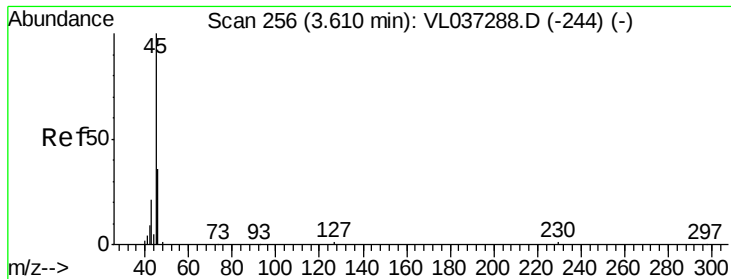
MMDadoda
 8/2/2021 8:57:30 AM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 2.127 ppbv
 RT: 4.49 min Scan# 529
 Delta R.T. -0.00 min
 Lab File: VL037289.D
 Acq: 30 Jul 2021 17:58

Tgt Ion	Ratio	Lower	Upper
101	100		
151	75.5	61.4	92.0





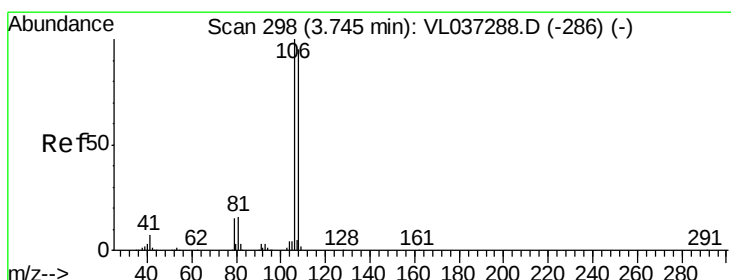
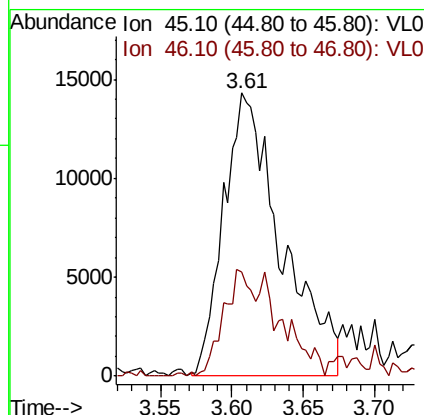
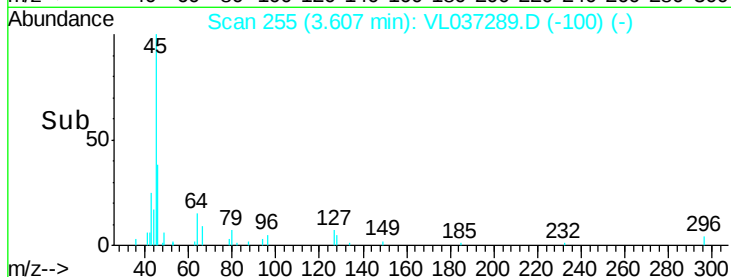
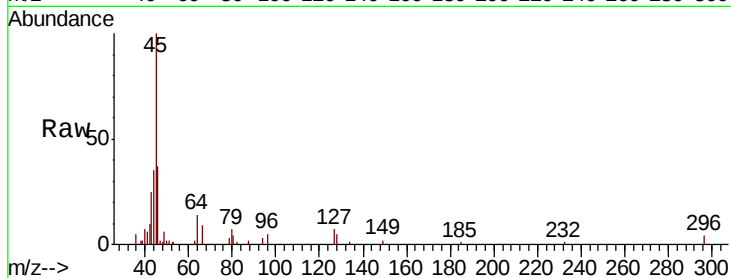
#13
Ethanol
Concen: 3.111 ppbv m
RT: 3.61 min Scan# 255
Delta R.T. -0.00 min
Lab File: VL037289.D
Acq: 30 Jul 2021 17:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
45	100		
46	35.4	16.2	64.8

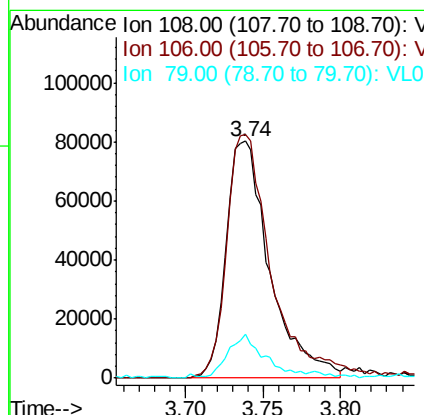
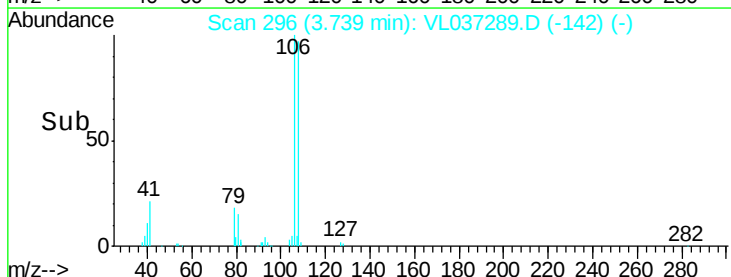
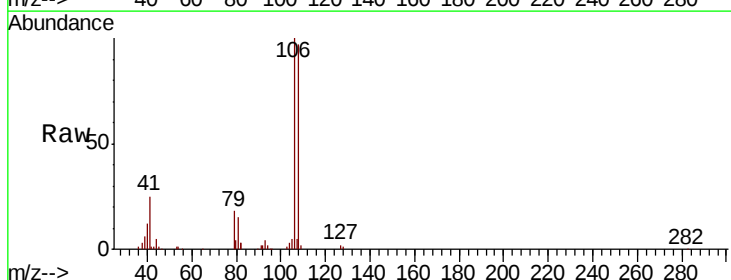
Manual Integrations
APPROVED

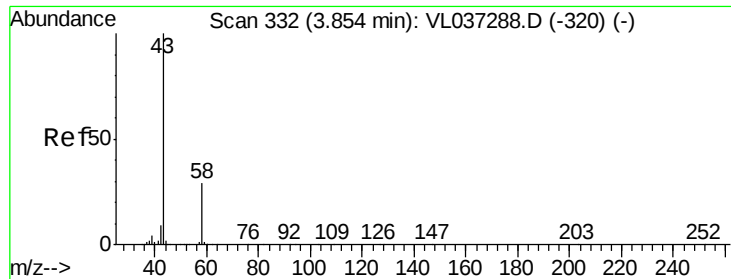
MMDadoda
8/2/2021 8:57:30 AM



#14
Bromoethene
Concen: 2.197 ppbv
RT: 3.74 min Scan# 296
Delta R.T. -0.01 min
Lab File: VL037289.D
Acq: 30 Jul 2021 17:58

Tgt Ion	Ratio	Lower	Upper
108	100		
106	107.5	86.2	129.2
79	18.4	13.3	19.9





#15

Acetone

Concen: 4.056 ppbv

RT: 3.85 min Scan# 331

Delta R.T. -0.00 min

Lab File: VL037289.D

Acq: 30 Jul 2021 17:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 43 Resp: 601752

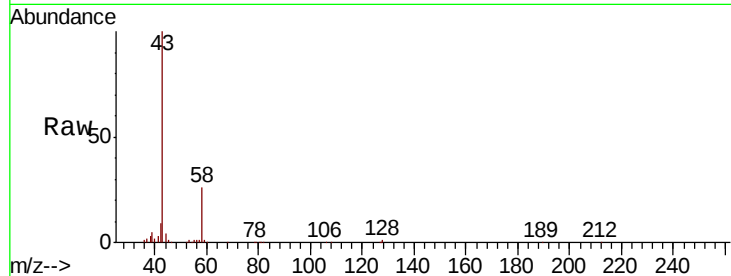
Ion Ratio Lower Upper

43 100

58 42.1 24.2 36.4#

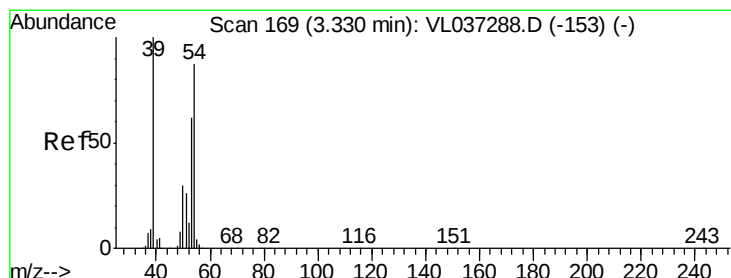
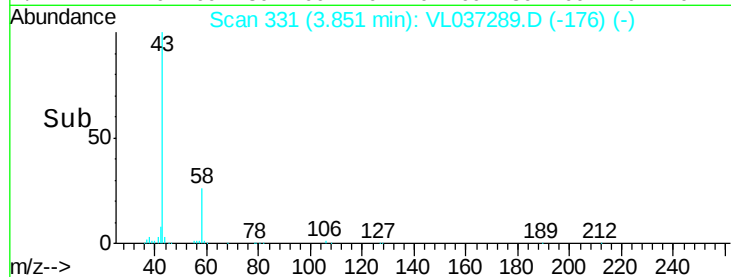
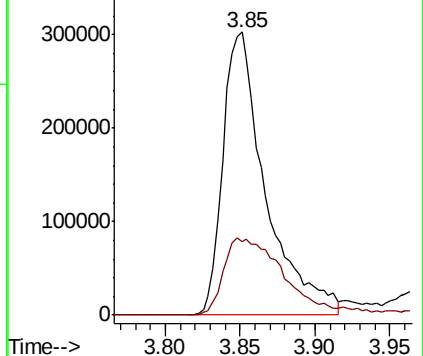
Manual Integrations
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8/2/2021 8:57:30 AM



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 2.111 ppbv

RT: 3.32 min Scan# 167

Delta R.T. -0.01 min

Lab File: VL037289.D

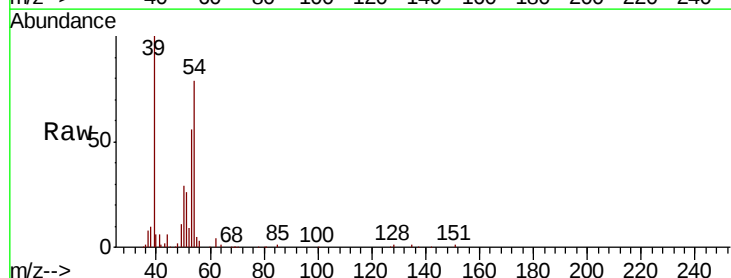
Acq: 30 Jul 2021 17:58

Tgt Ion: 39 Resp: 182055

Ion Ratio Lower Upper

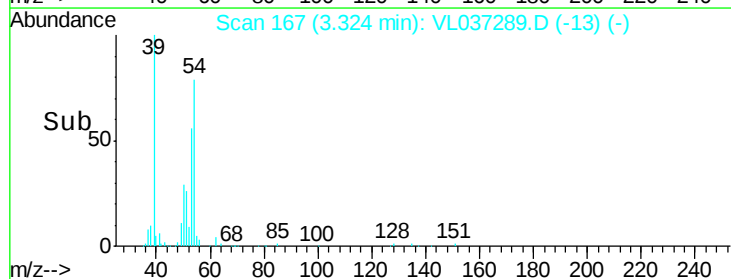
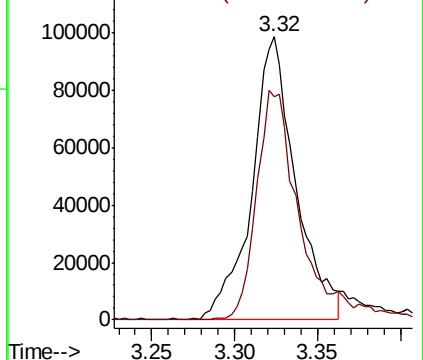
39 100

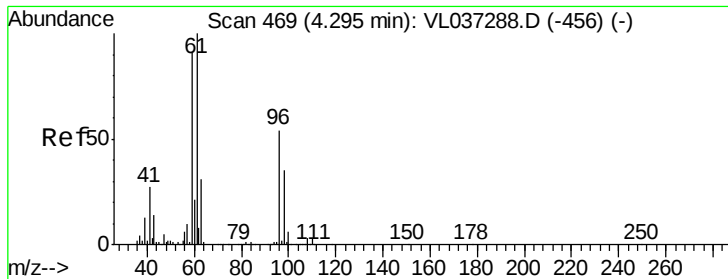
54 82.2 63.9 95.9



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

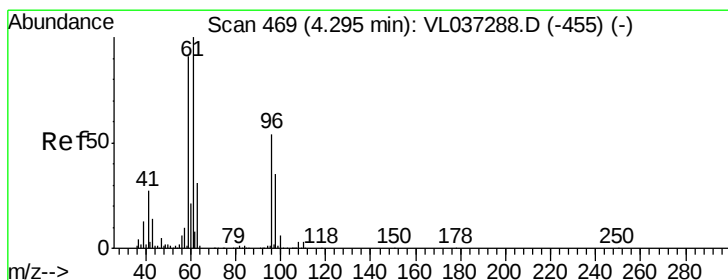
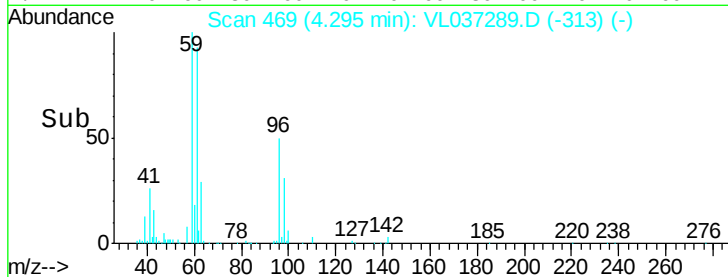
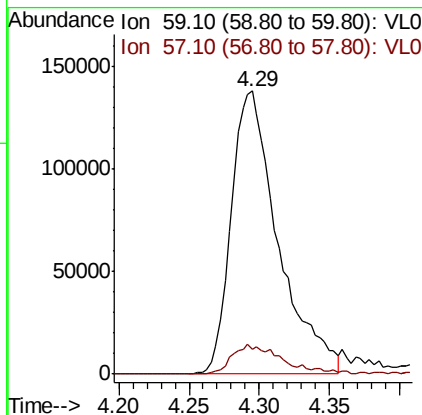
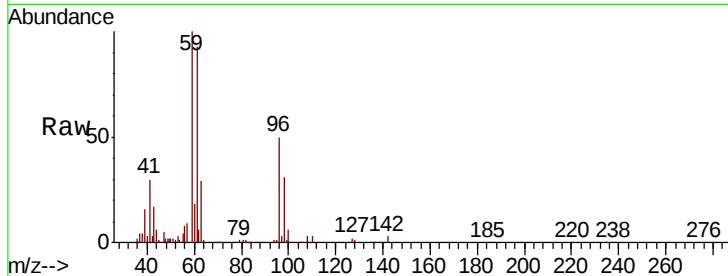
tert-Butyl alcohol
 Concen: 2.377 ppbv
 RT: 4.29 min Scan# 469
 Delta R.T. 0.00 min
 Lab File: VL037289.D
 Acq: 30 Jul 2021 17:58

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.4	8.6	13.0

Manual Integrations
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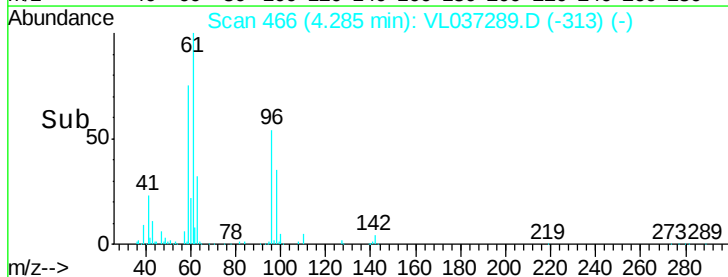
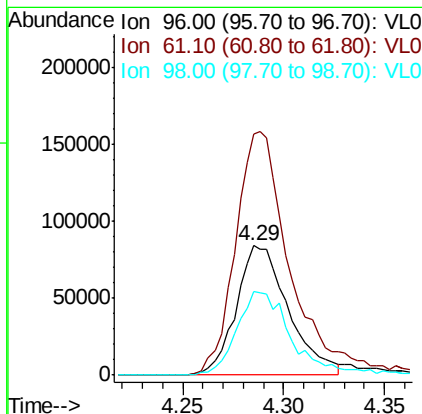
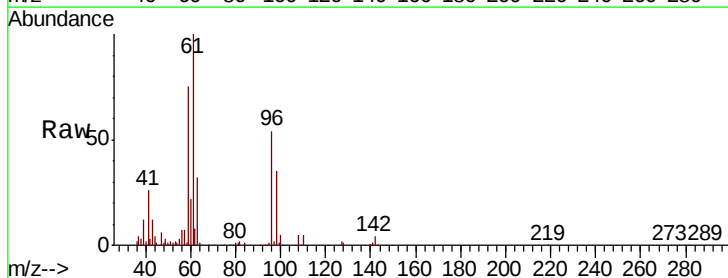
MMDadoda
 8/2/2021 8:57:30 AM

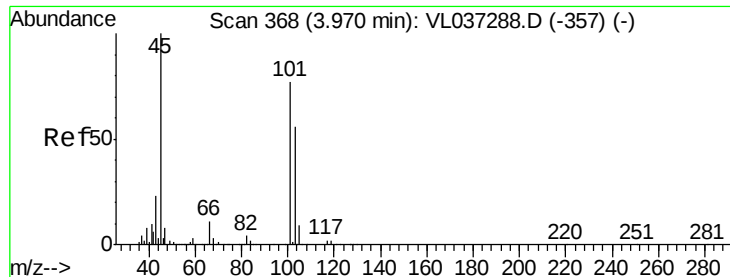


#18

1,1-Dichloroethene
 Concen: 2.018 ppbv
 RT: 4.29 min Scan# 466
 Delta R.T. -0.01 min
 Lab File: VL037289.D
 Acq: 30 Jul 2021 17:58

Tgt Ion	Ratio	Lower	Upper
96	100		
61	186.3	148.3	222.5
98	64.1	51.4	77.0





#19

Isopropyl Alcohol

Concen: 2.281 ppbv m

RT: 3.97 min Scan# 367

Delta R.T. -0.00 min

Lab File: VL037289.D

Acq: 30 Jul 2021 17:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 45 Resp: 201750

Ion Ratio Lower Upper

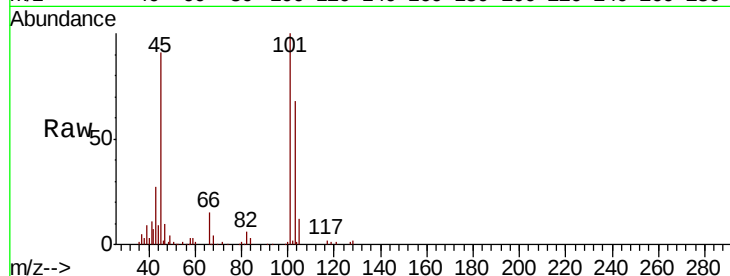
45 100

58 0.0 2.2 3.2#

Manual Integrations
APPROVED

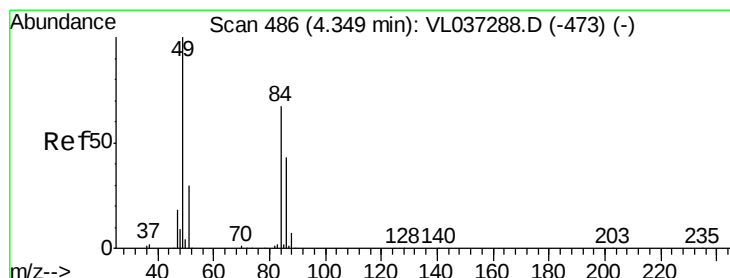
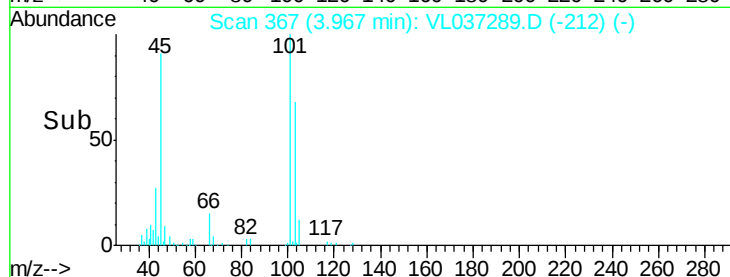
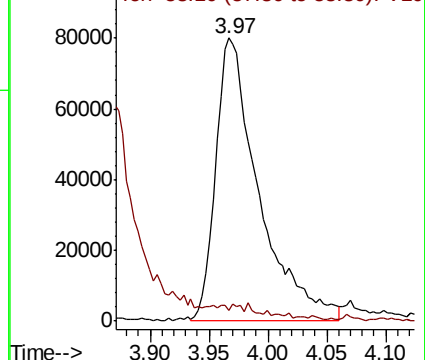
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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 1.859 ppbv

RT: 4.34 min Scan# 484

Delta R.T. -0.01 min

Lab File: VL037289.D

Acq: 30 Jul 2021 17:58

Tgt Ion: 84 Resp: 172022

Ion Ratio Lower Upper

84 100

49 143.0 120.2 180.4

51 44.4 36.5 54.7

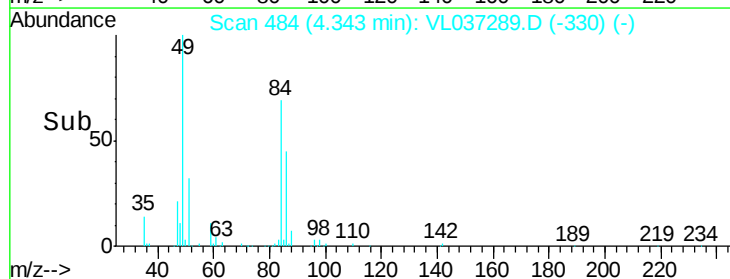
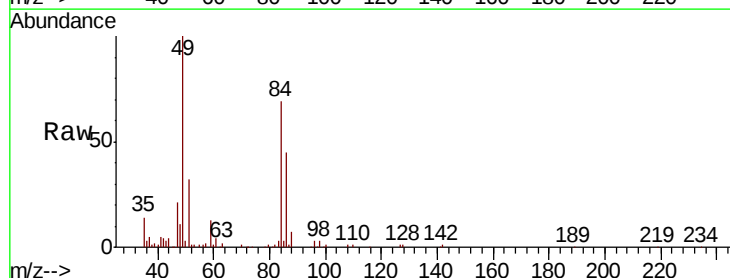
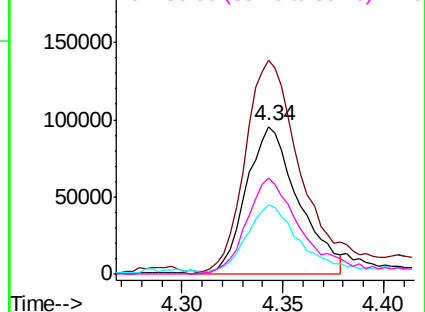
86 65.6 51.3 76.9

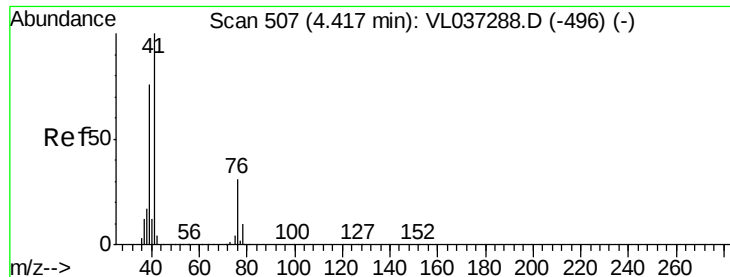
Abundance Ion 84.00 (83.70 to 84.70): VL0

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





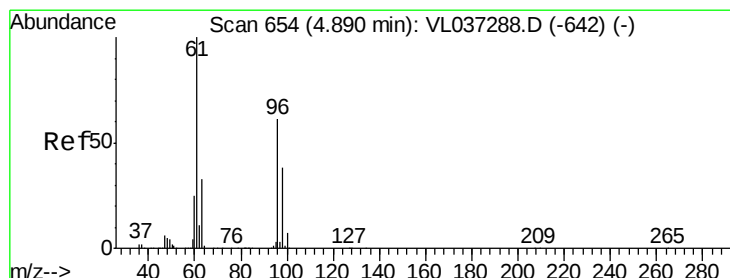
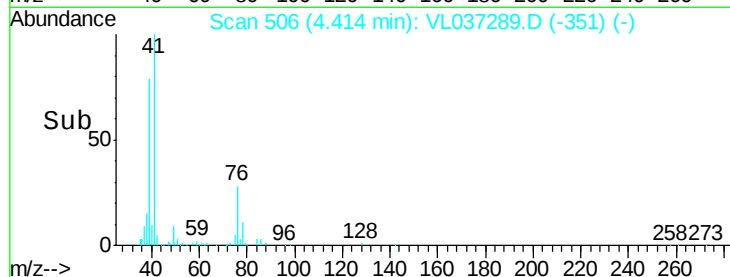
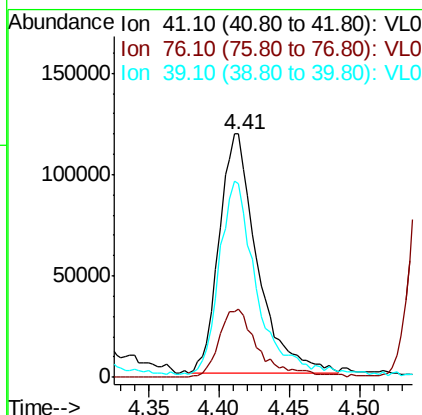
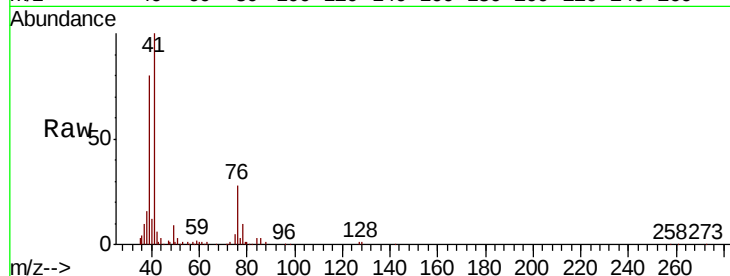
#21
Allvl Chloride
Concen: 2.019 ppbv
RT: 4.41 min Scan# 506
Delta R.T. -0.00 min
Lab File: VL037289.D
Acq: 30 Jul 2021 17:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion:	41	Resp:	223047
Ion Ratio	Lower	Upper	
41	100		
76	29.6	24.7	37.1
39	81.2	64.5	96.7

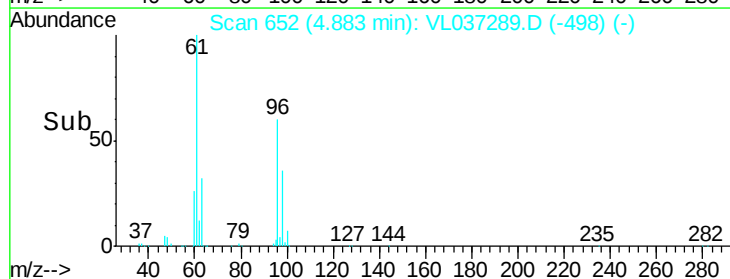
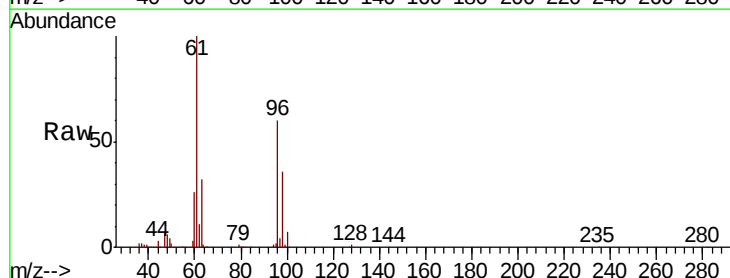
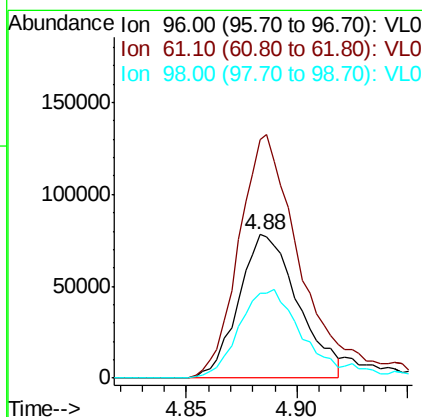
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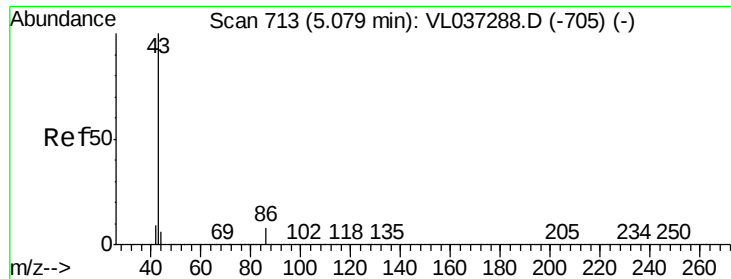
MMDadoda
8/2/2021 8:57:30 AM



#22
trans-1,2-Dichloroethene
Concen: 1.906 ppbv
RT: 4.88 min Scan# 652
Delta R.T. -0.01 min
Lab File: VL037289.D
Acq: 30 Jul 2021 17:58

Tgt Ion:	96	Resp:	143818
Ion Ratio	Lower	Upper	
96	100		
61	166.9	131.1	196.7
98	59.8	49.9	74.9





#23

Vinyl Acetate

Concen: 2.070 ppbv

RT: 5.07 min Scan# 711

Delta R.T. -0.01 min

Lab File: VL037289.D

Acq: 30 Jul 2021 17:58

Instrument :

MSVOA_L

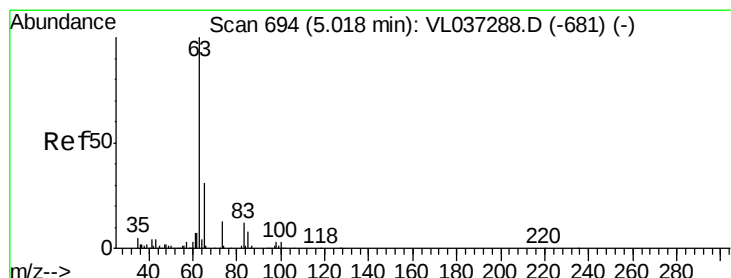
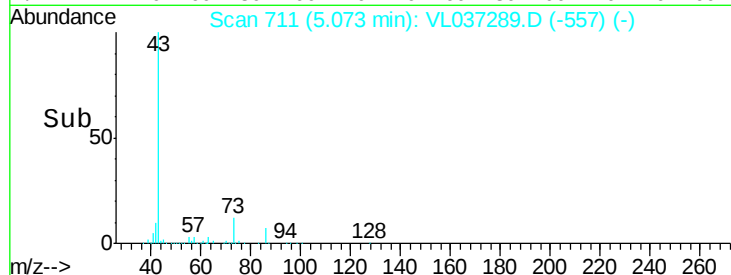
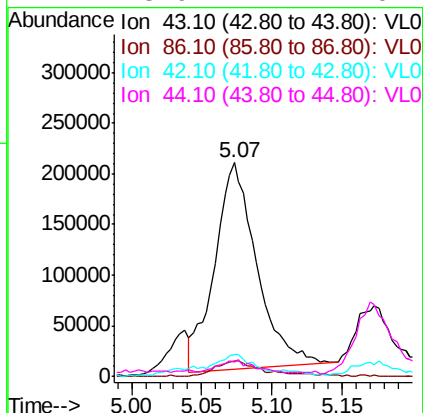
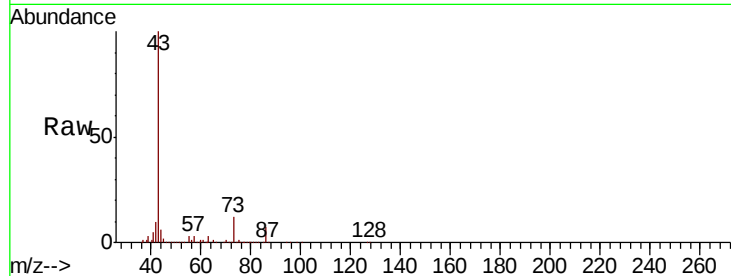
ClientSampleId :

VSTDIC002

Tot Ion	43	Resp	425897
Ion	Ratio	Lower	Upper
43	100		
86	7.5	5.7	8.5
42	9.5	8.1	12.1
44	3.9	4.1	6.1

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#24

1,1-Dichloroethane

Concen: 1.927 ppbv

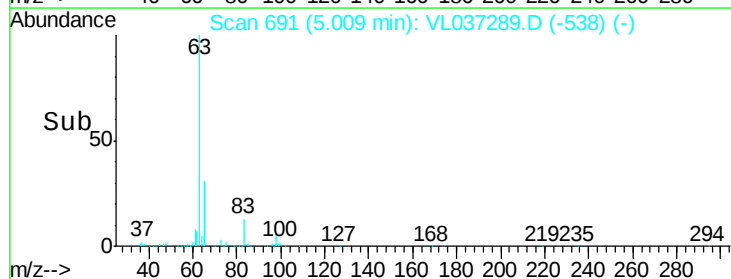
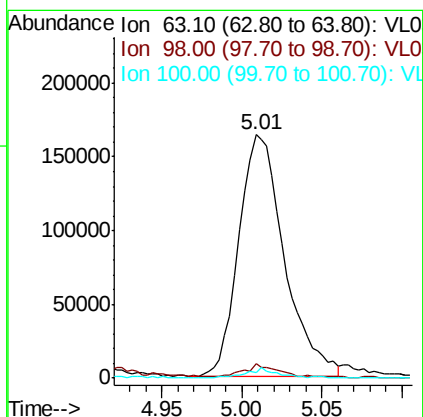
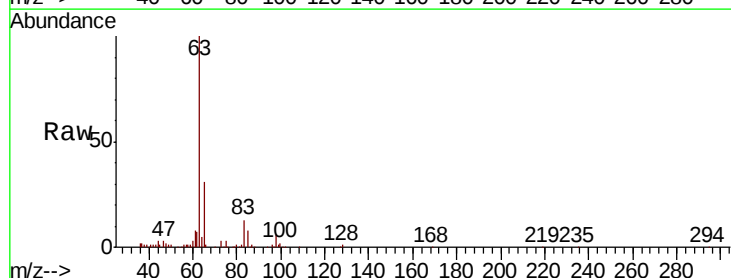
RT: 5.01 min Scan# 691

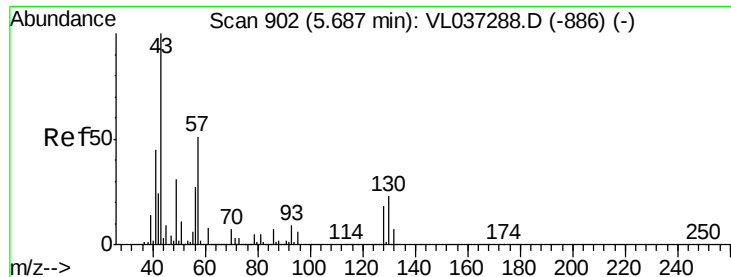
Delta R.T. -0.01 min

Lab File: VL037289.D

Acq: 30 Jul 2021 17:58

Tgt Ion	63	Resp	318762
Ion	Ratio	Lower	Upper
63	100		
98	5.7	2.0	5.8
100	1.9	1.4	4.2





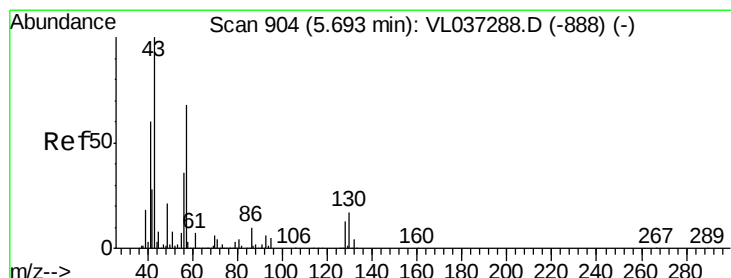
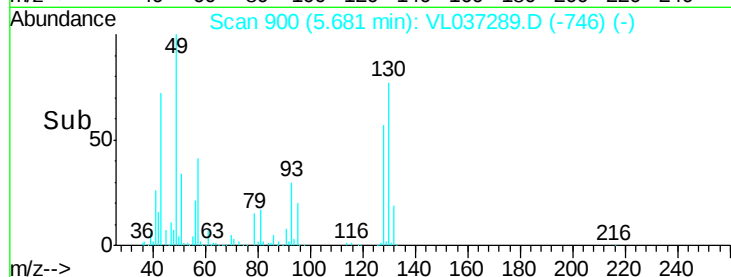
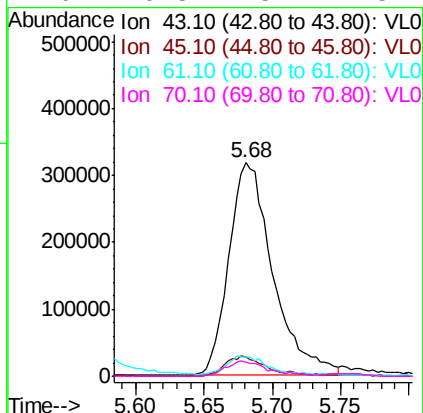
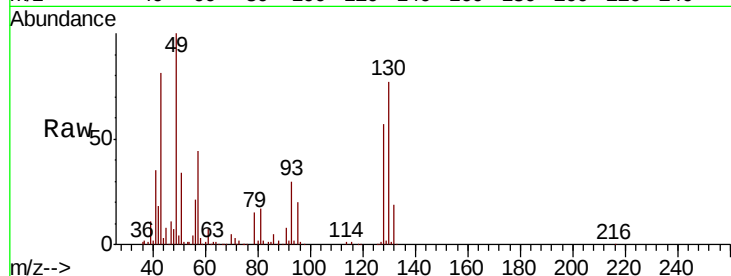
#25
Ethyl Acetate
Concen: 2.212 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.01 min
Lab File: VL037289.D
Acq: 30 Jul 2021 17:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		715077		
45	9.4	7.4	11.2		
61	10.4	7.8	11.6		
70	6.8	5.4	8.2		

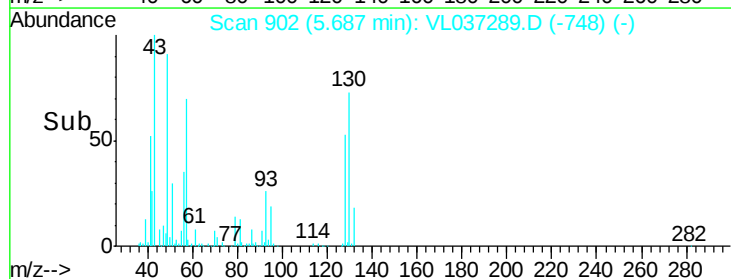
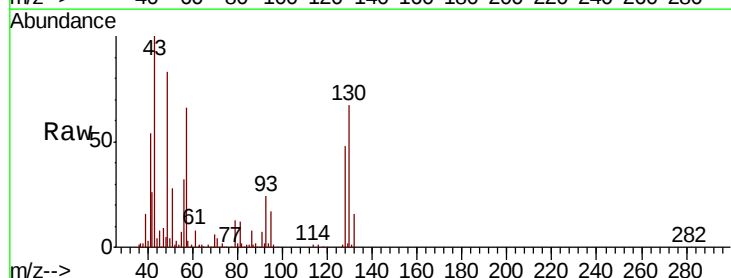
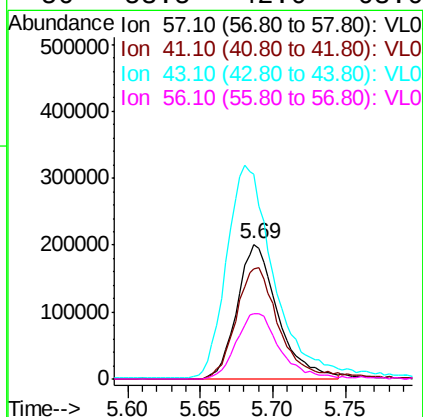
Manual Integrations
APPROVED

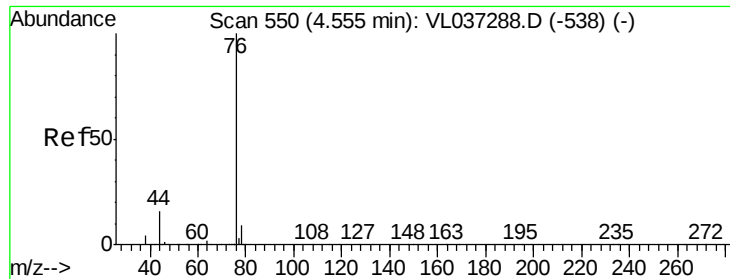
MMDadoda
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#26
Hexane
Concen: 2.365 ppbv
RT: 5.69 min Scan# 902
Delta R.T. -0.01 min
Lab File: VL037289.D
Acq: 30 Jul 2021 17:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
57	100		392266		
41	89.4	71.0	106.6		
43	189.5	155.0	232.4		
56	53.5	42.0	63.0		





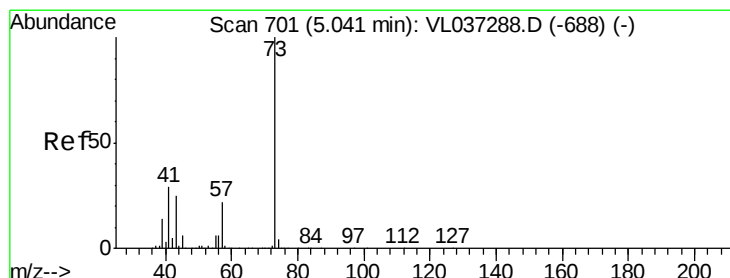
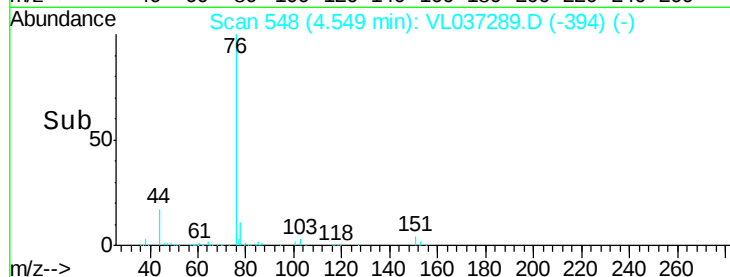
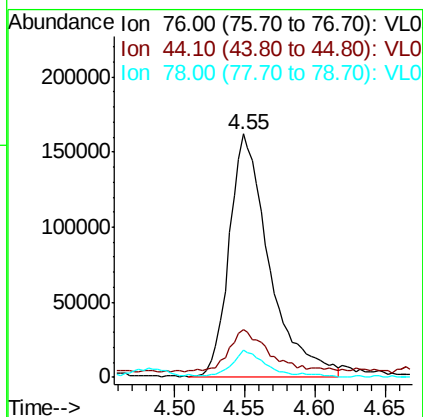
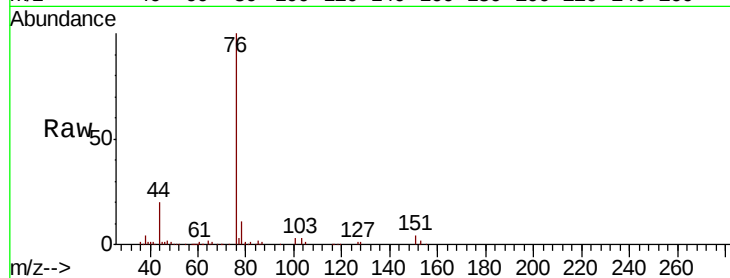
#27
Carbon Disulfide
Concen: 2.042 ppbv
RT: 4.55 min Scan# 548
Delta R.T. -0.01 min
Lab File: VL037289.D
Acq: 30 Jul 2021 17:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
76	100		
44	18.5	14.1	21.1
78	9.4	8.0	12.0

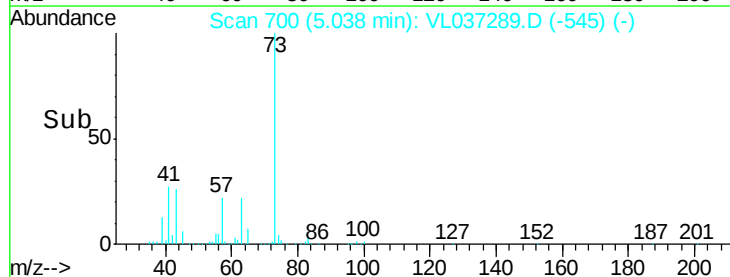
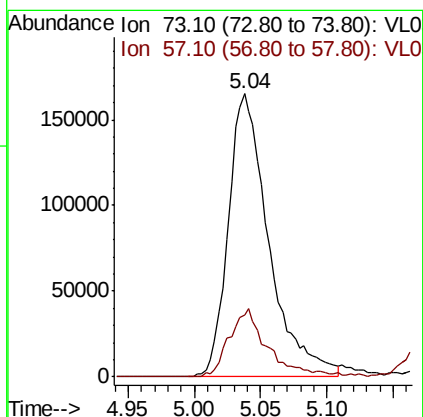
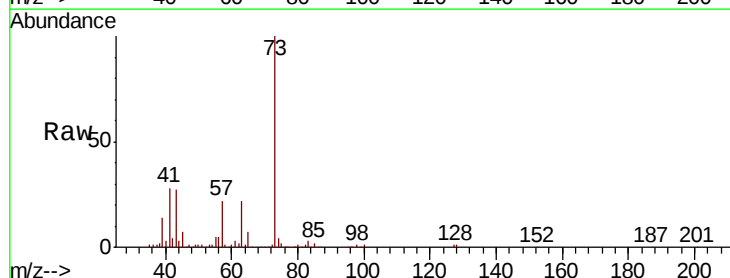
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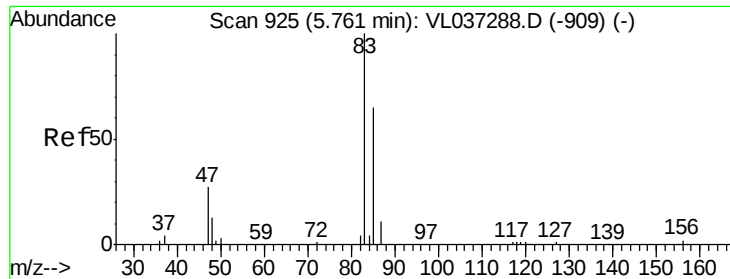
MMDadoda
8/2/2021 8:57:30 AM



#28
Methyl tert-Butyl Ether
Concen: 1.879 ppbv
RT: 5.04 min Scan# 700
Delta R.T. -0.00 min
Lab File: VL037289.D
Acq: 30 Jul 2021 17:58

Tgt Ion	Ratio	Lower	Upper
73	100		
57	23.2	19.0	28.6





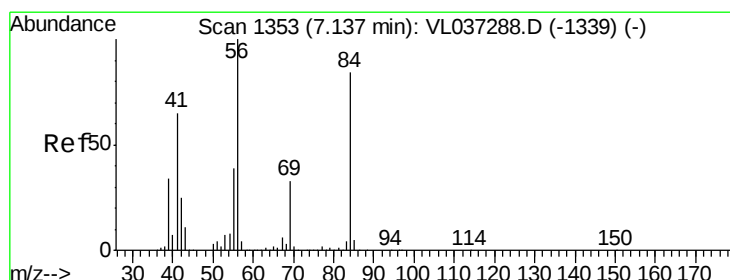
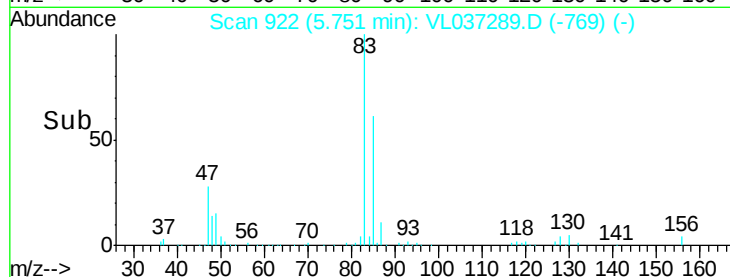
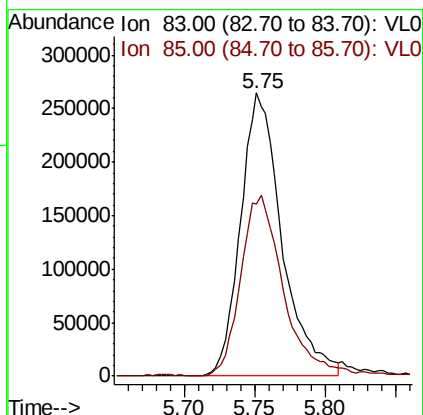
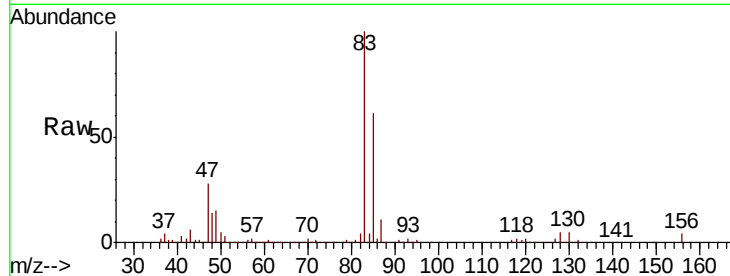
#29
Chloroform
Concen: 2.188 ppbv
RT: 5.75 min Scan# 922
Delta R.T. -0.01 min
Lab File: VL037289.D
Acq: 30 Jul 2021 17:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	83	Resp	544470
Ion Ratio	100	Lower	Upper
85	60.6	51.9	77.9

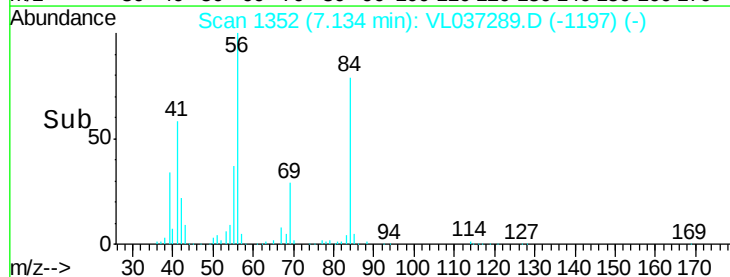
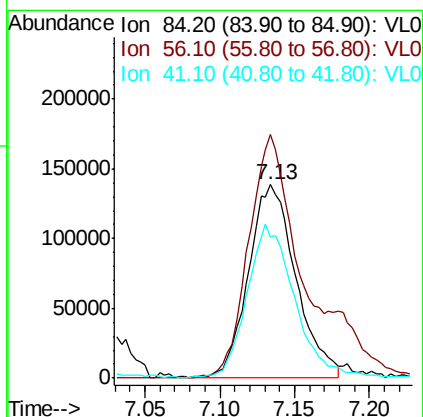
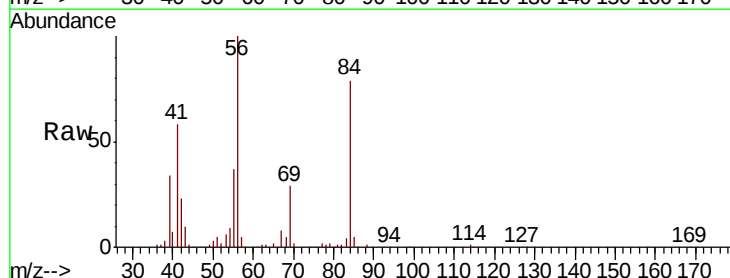
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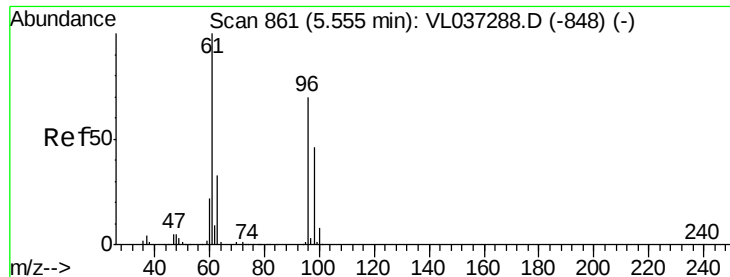
MMDadoda
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#30
Cyclohexane
Concen: 2.261 ppbv
RT: 7.13 min Scan# 1352
Delta R.T. -0.00 min
Lab File: VL037289.D
Acq: 30 Jul 2021 17:58

Tgt Ion	84	Resp	306708
Ion Ratio	100	Lower	Upper
56	151.1	104.1	156.1
41	79.8	64.7	97.1





#31

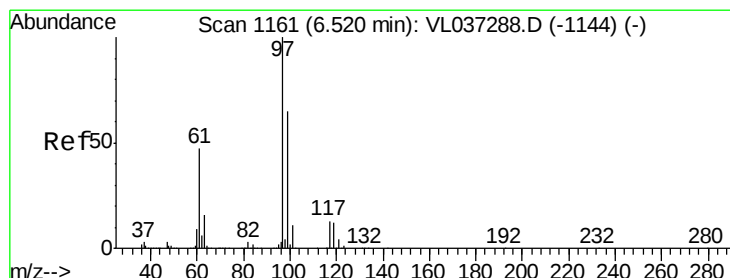
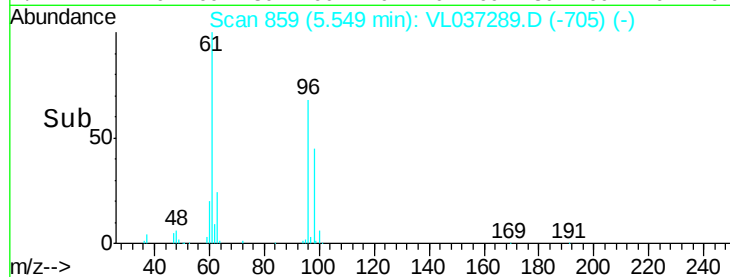
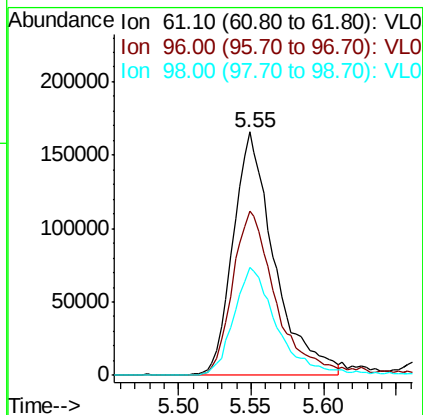
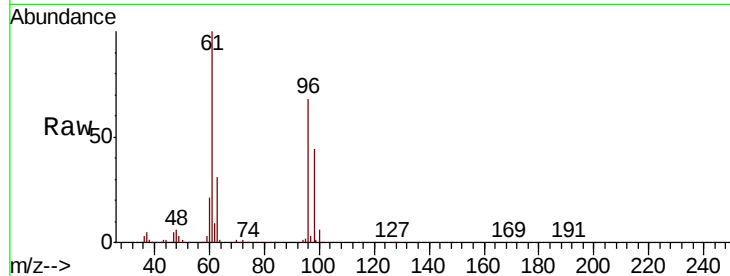
cis-1,2-Dichloroethene
Concen: 2.202 ppbv
RT: 5.55 min Scan# 859
Delta R.T. -0.01 min
Lab File: VL037289.D
Acq: 30 Jul 2021 17:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
61	100		
96	67.3	55.9	83.9
98	44.4	37.1	55.7

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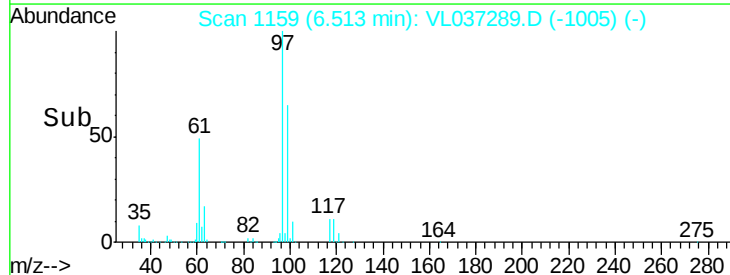
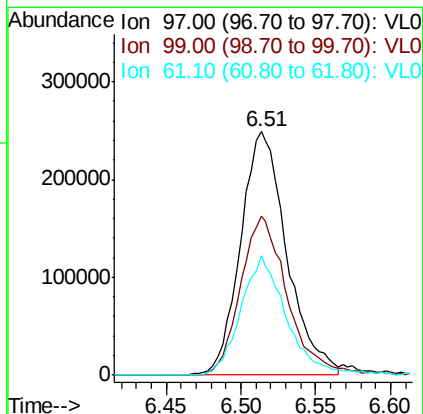
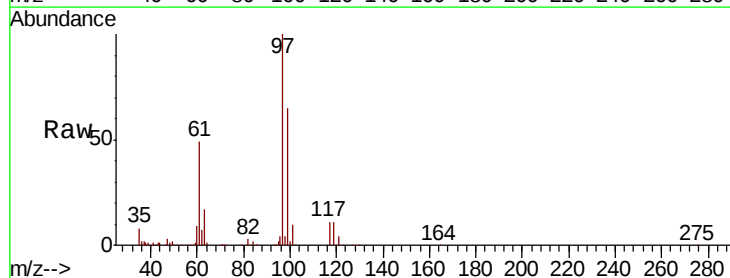
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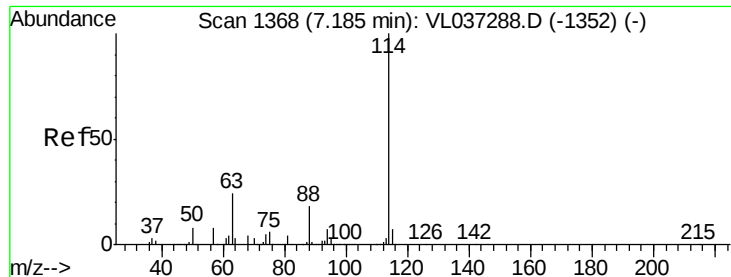


#32

1,1,1-Trichloroethane
Concen: 2.020 ppbv
RT: 6.51 min Scan# 1159
Delta R.T. -0.01 min
Lab File: VL037289.D
Acq: 30 Jul 2021 17:58

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.6	52.5	78.7
61	48.8	38.2	57.4





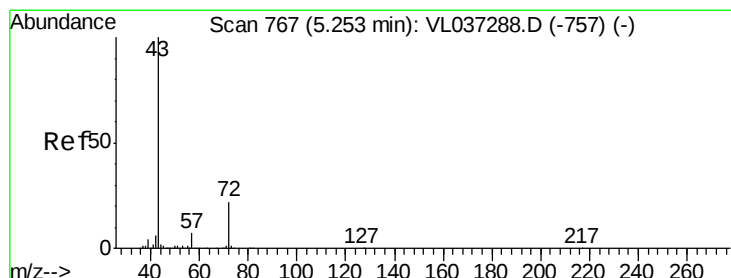
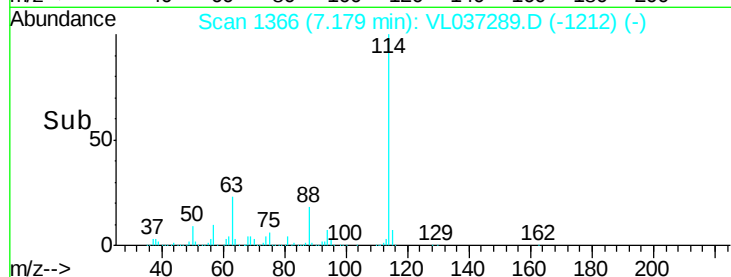
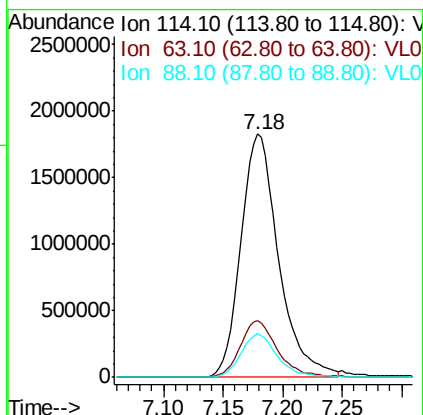
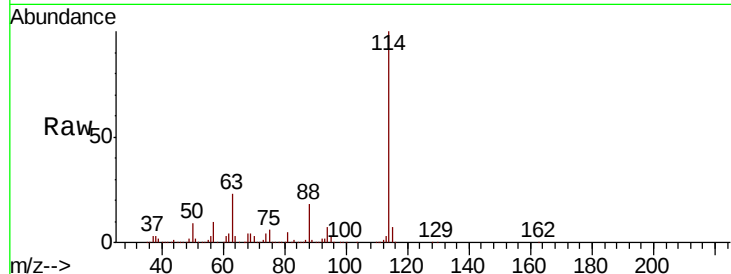
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. -0.01 min
 Lab File: VL037289.D
 Acq: 30 Jul 2021 17:58

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
114	100		
63	23.3	19.0	28.4
88	17.7	14.0	21.0

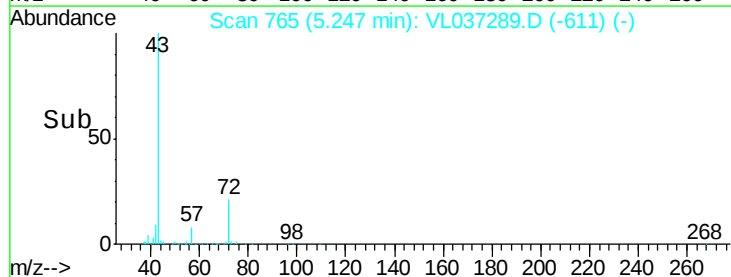
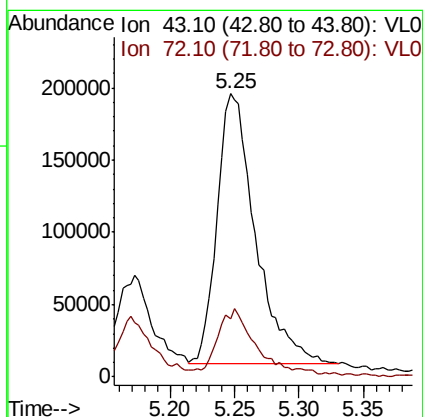
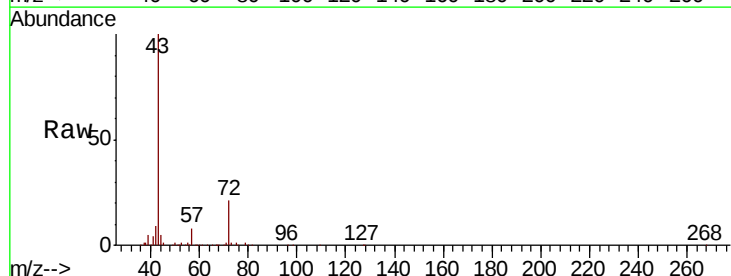
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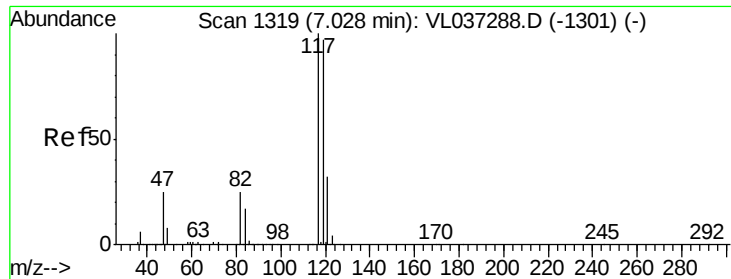
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#34
 2-Butanone
 Concen: 2.475 ppbv
 RT: 5.25 min Scan# 765
 Delta R.T. -0.01 min
 Lab File: VL037289.D
 Acq: 30 Jul 2021 17:58

Tgt Ion	Ratio	Lower	Upper
43	100		
72	29.0	18.5	27.7#





#35

Carbon Tetrachloride

Concen: 2.119 ppbv

RT: 7.02 min Scan# 1317

Delta R.T. -0.01 min

Lab File: VL037289.D

Acq: 30 Jul 2021 17:58

Instrument :

MSVOA_L

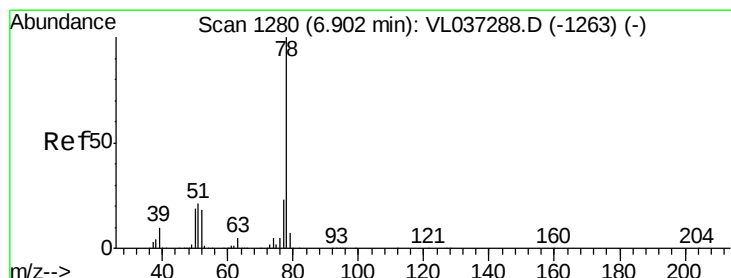
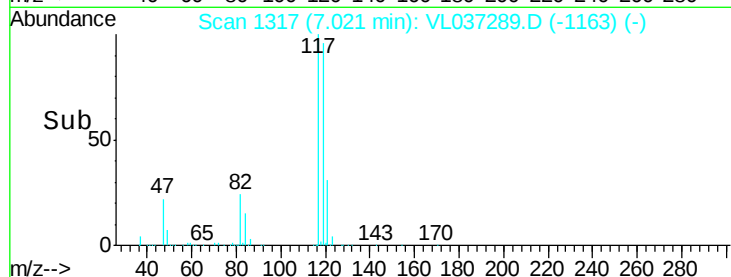
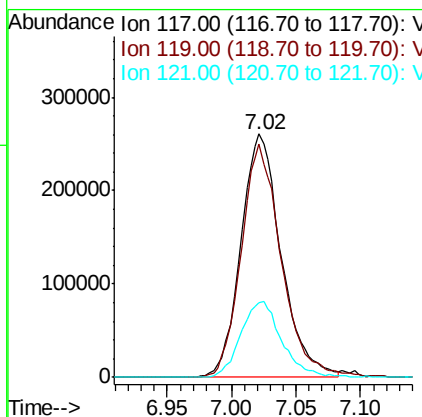
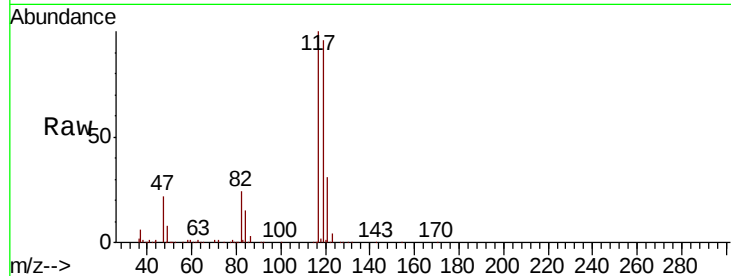
ClientSampleId :

VSTDIC002

Tot Ion:	117	Resp:	566329
Ion Ratio	Lower	Upper	
117	100		
119	95.8	77.4	116.2
121	30.6	25.8	38.8

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#36

Benzene

Concen: 2.275 ppbv

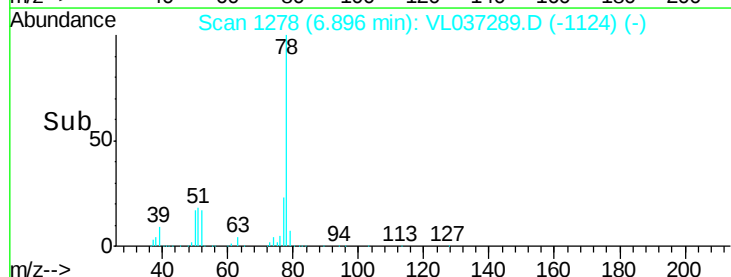
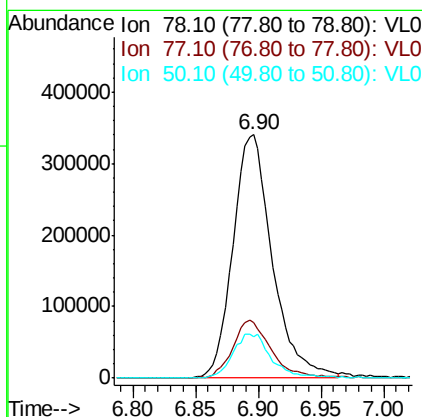
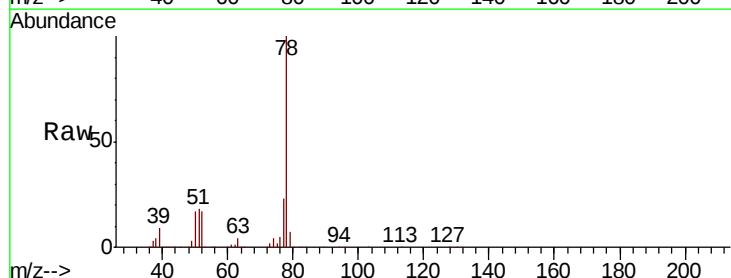
RT: 6.90 min Scan# 1278

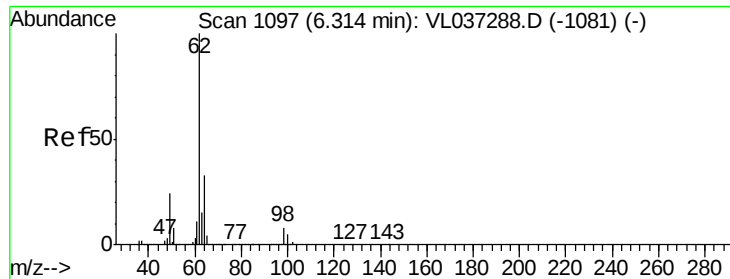
Delta R.T. -0.01 min

Lab File: VL037289.D

Acq: 30 Jul 2021 17:58

Tgt Ion:	78	Resp:	742312
Ion Ratio	Lower	Upper	
78	100		
77	22.8	18.3	27.5
50	16.8	15.5	23.3





#37

1,2-Dichloroethane

Concen: 2.033 ppbv

RT: 6.31 min Scan# 1095

Delta R.T. -0.01 min

Lab File: VL037289.D

Acq: 30 Jul 2021 17:58

Instrument :

MSVOA_L

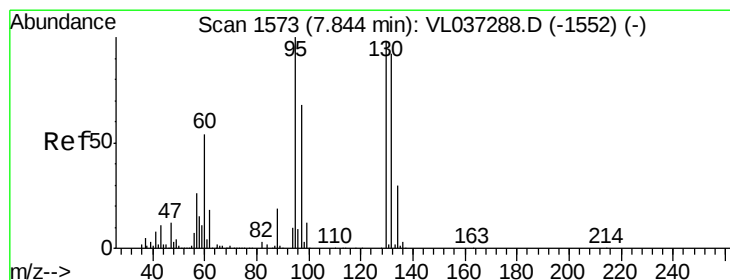
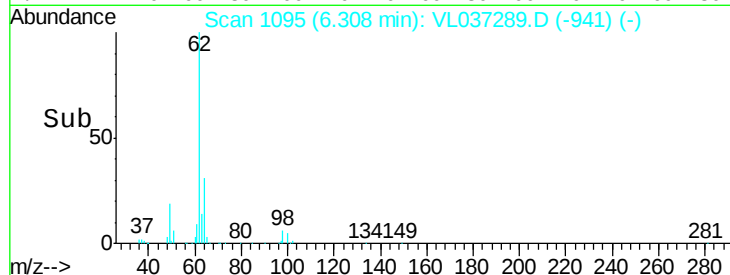
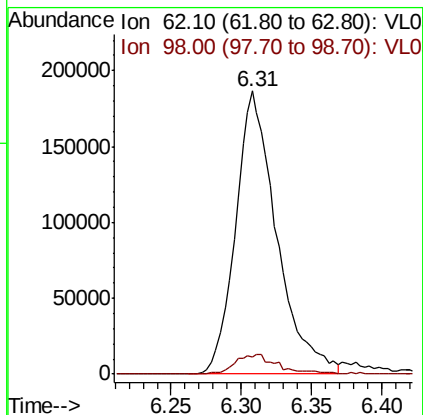
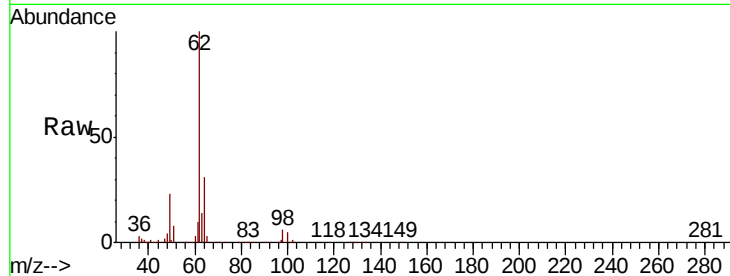
ClientSampleId :

VSTDIC002

Tot Ion:	62	Resp:	380092
Ion Ratio	Lower	Upper	
62	100		
98	7.8	5.8	8.6

Manual Integrations
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#38

Trichloroethene

Concen: 2.058 ppbv

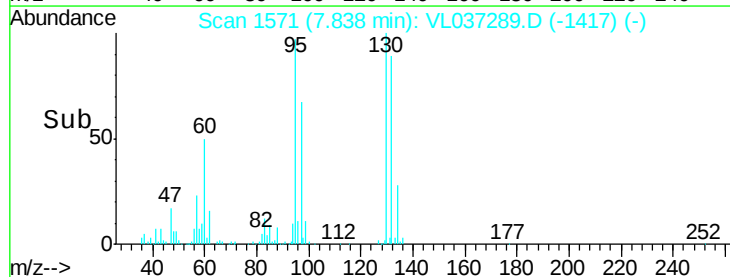
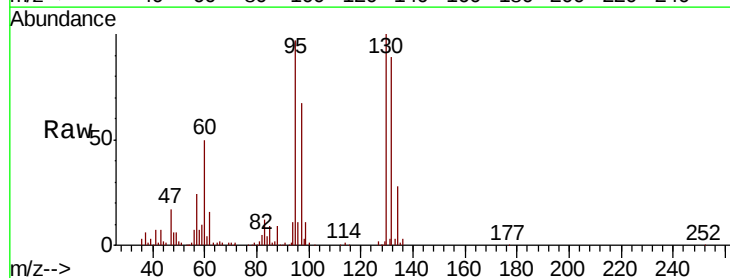
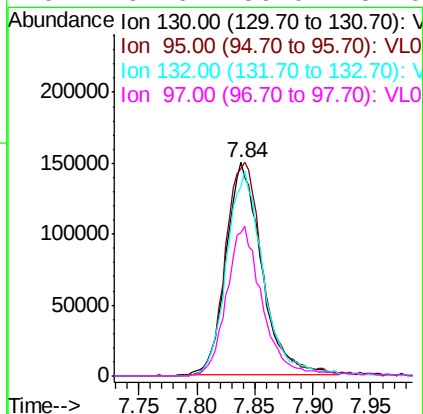
RT: 7.84 min Scan# 1571

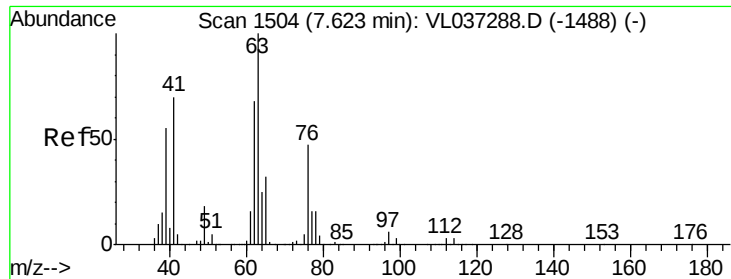
Delta R.T. -0.01 min

Lab File: VL037289.D

Acq: 30 Jul 2021 17:58

Tgt Ion:	130	Resp:	320667
Ion Ratio	Lower	Upper	
130	100		
95	97.5	82.0	123.0
132	89.2	75.0	112.6
97	67.6	56.0	84.0





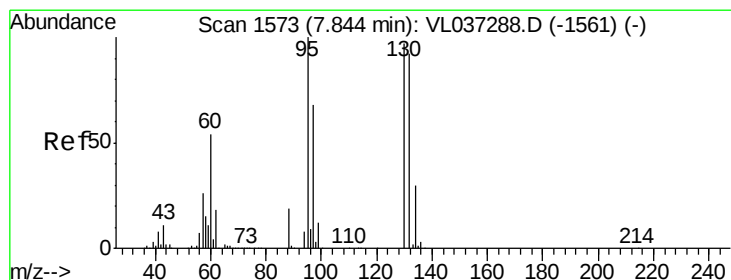
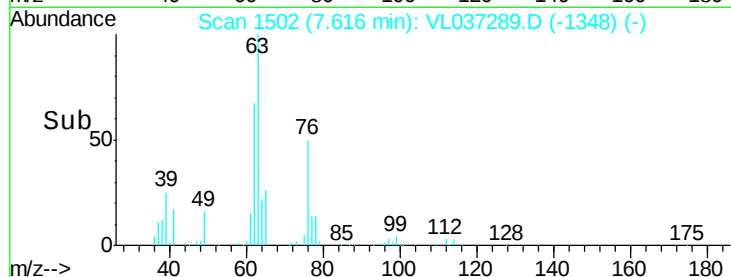
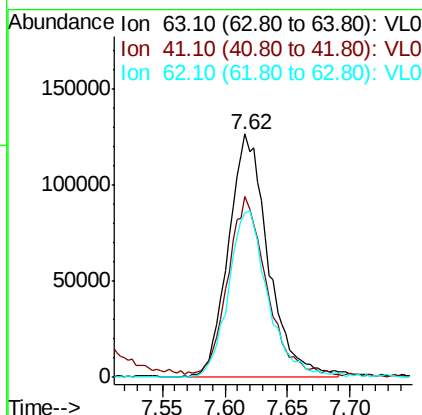
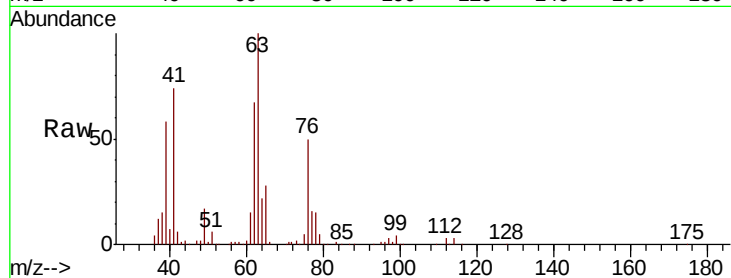
#39
 1,2-Dichloropropane
 Concen: 2.303 ppbv
 RT: 7.62 min Scan# 1502
 Delta R.T. -0.01 min
 Lab File: VL037289.D
 Acq: 30 Jul 2021 17:58

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
63	100		
41	73.5	56.4	84.6
62	67.2	54.6	82.0

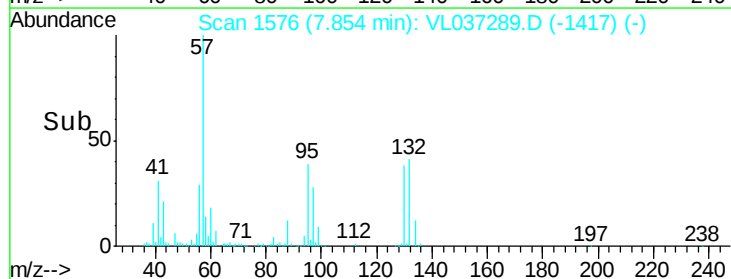
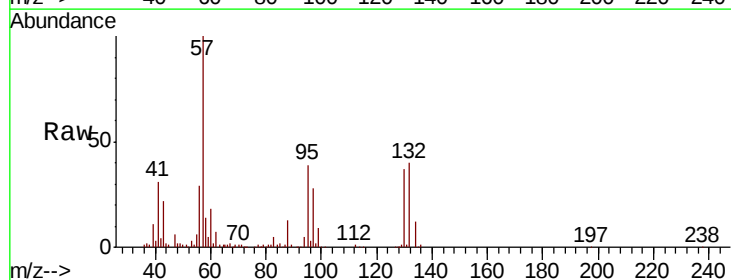
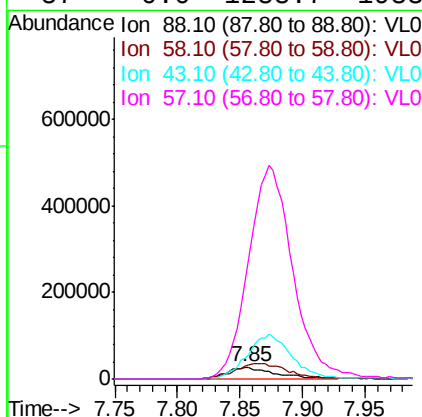
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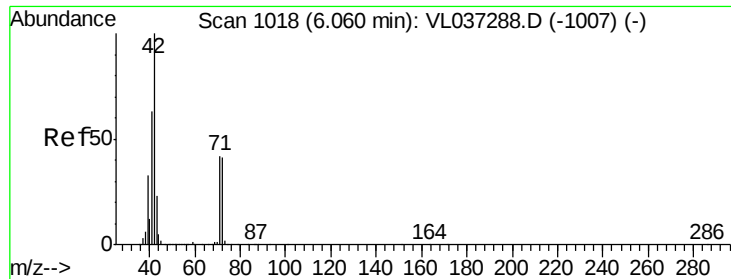
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#40
 1,4-Dioxane
 Concen: 2.272 ppbv m
 RT: 7.85 min Scan# 1576
 Delta R.T. 0.01 min
 Lab File: VL037289.D
 Acq: 30 Jul 2021 17:58

Tgt Ion	Ratio	Lower	Upper
88	100		
58	0.0	119.2	178.8#
43	0.0	282.2	423.2#
57	0.0	1288.7	1933.1#





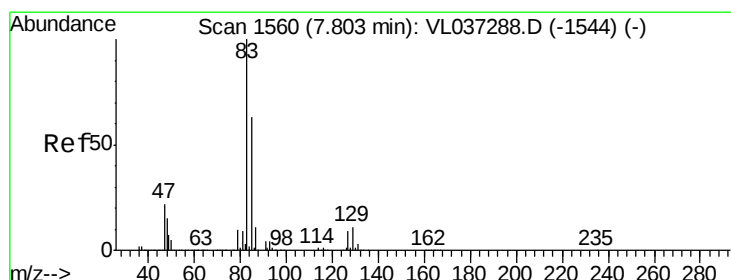
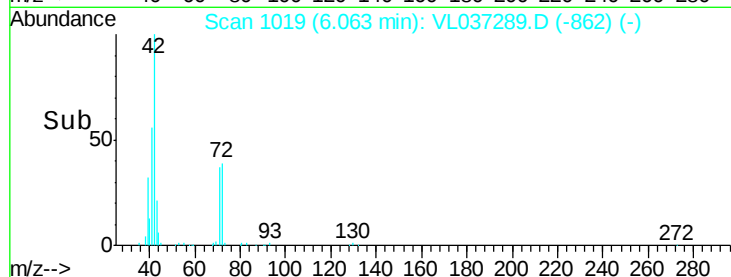
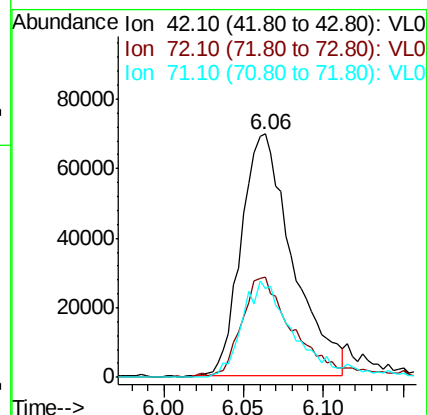
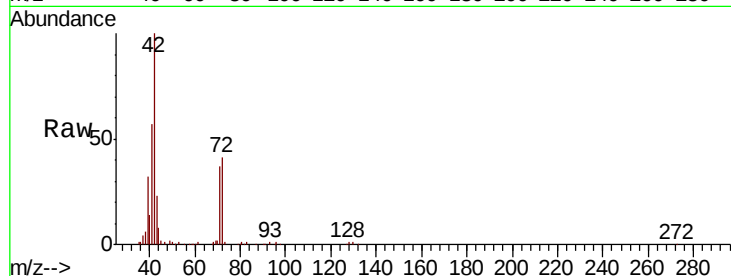
#41
Tetrahydrofuran
Concen: 2.109 ppbv
RT: 6.06 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VL037289.D
Acq: 30 Jul 2021 17:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.9	33.0	49.6
71	42.3	32.7	49.1

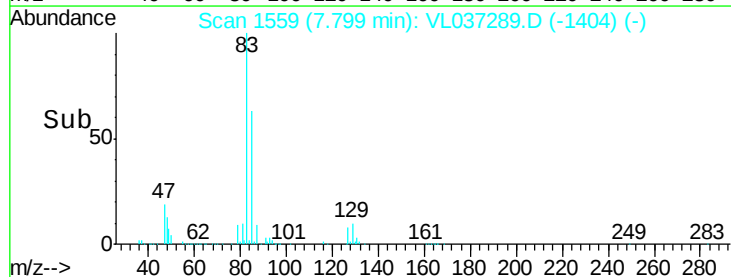
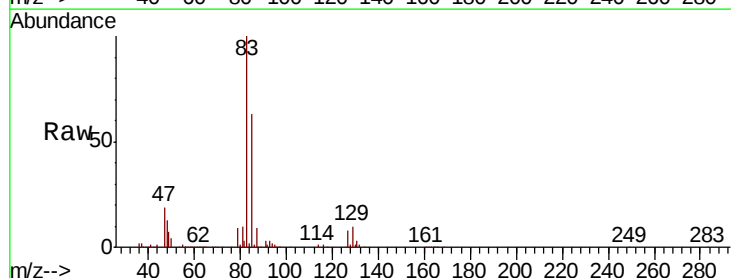
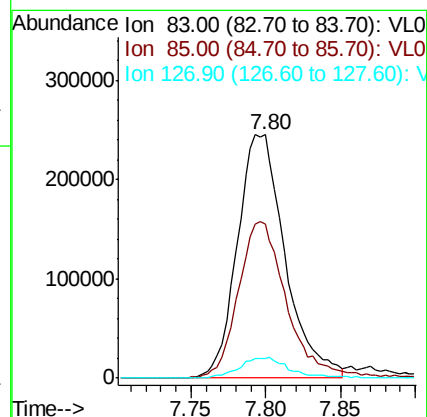
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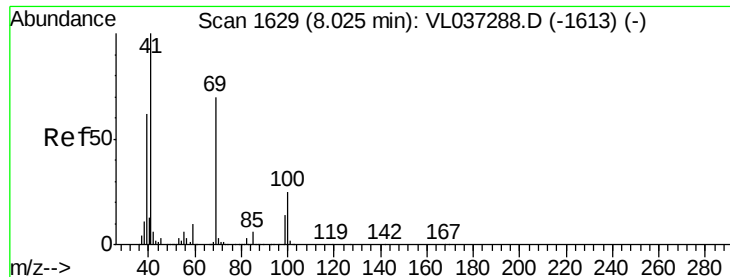
MMDadoda
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#42
Bromodichloromethane
Concen: 2.099 ppbv
RT: 7.80 min Scan# 1559
Delta R.T. -0.00 min
Lab File: VL037289.D
Acq: 30 Jul 2021 17:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.9	50.5	75.7
127	8.3	7.0	10.6





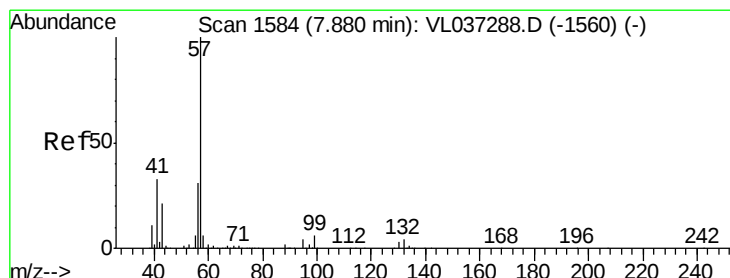
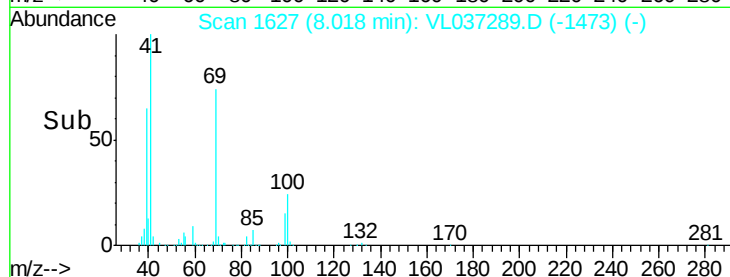
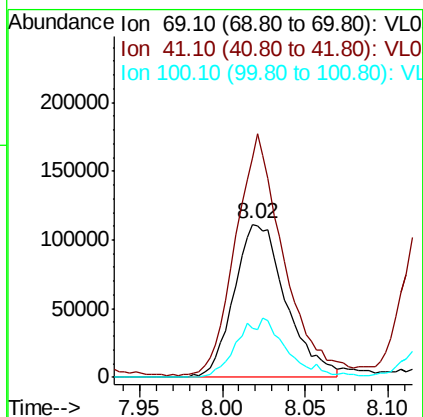
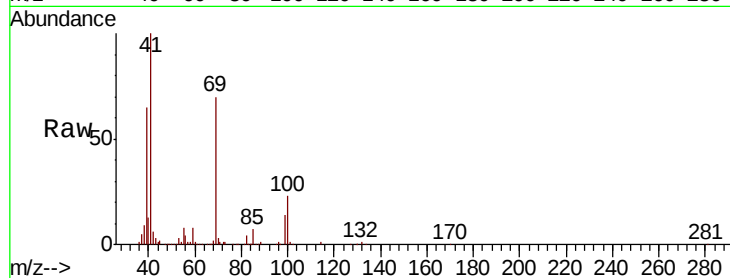
#43
Methvl Methacrilate
Concen: 2.163 ppbv m
RT: 8.02 min Scan# 1627
Delta R.T. -0.01 min
Lab File: VL037289.D
Acq: 30 Jul 2021 17:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
69	100		
41	0.0	116.5	174.7#
100	0.0	28.7	43.1#

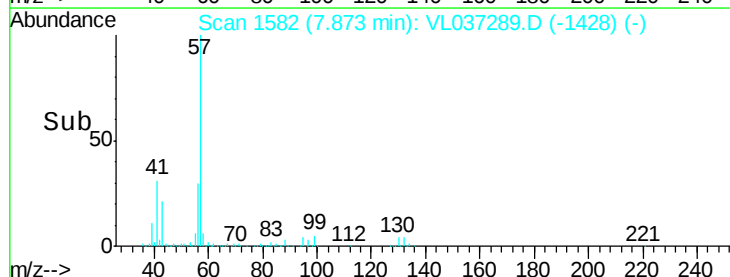
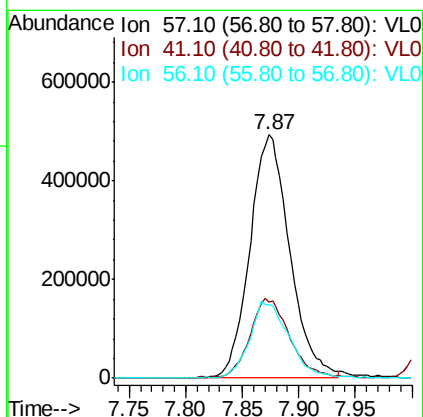
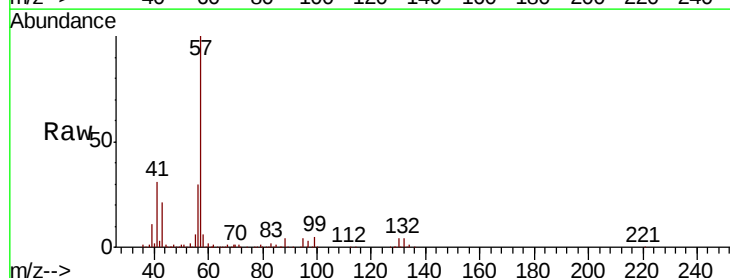
Manual Integrations
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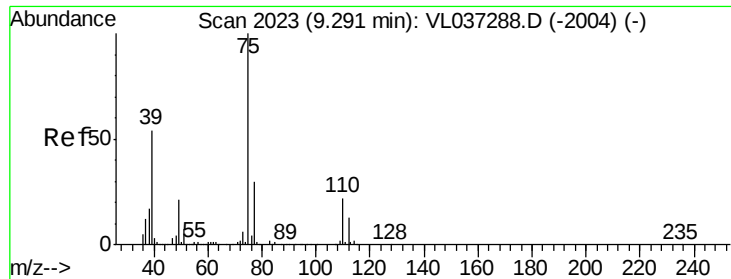
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#44
2,2,4-Trimethylpentane
Concen: 2.205 ppbv
RT: 7.87 min Scan# 1582
Delta R.T. -0.01 min
Lab File: VL037289.D
Acq: 30 Jul 2021 17:58

Tgt Ion	Ratio	Lower	Upper
57	100		
41	32.9	26.6	40.0
56	31.5	25.3	37.9





#45

t-1,3-Dichloropropene

Concen: 1.923 ppbv

RT: 9.28 min Scan# 2021

Delta R.T. -0.01 min

Lab File: VL037289.D

Acq: 30 Jul 2021 17:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 75 Resp: 187788

Ion Ratio Lower Upper

75 100

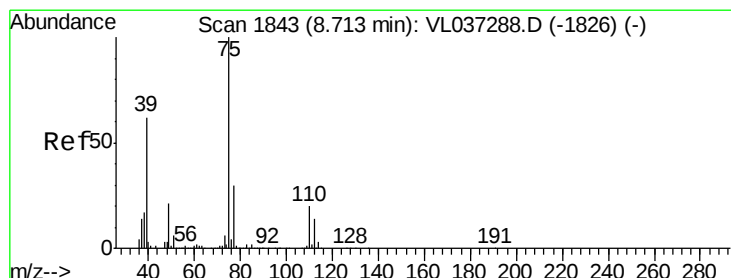
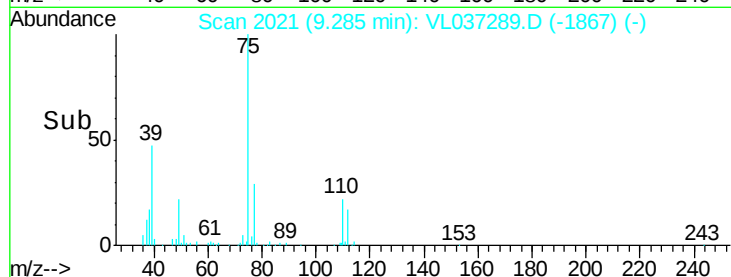
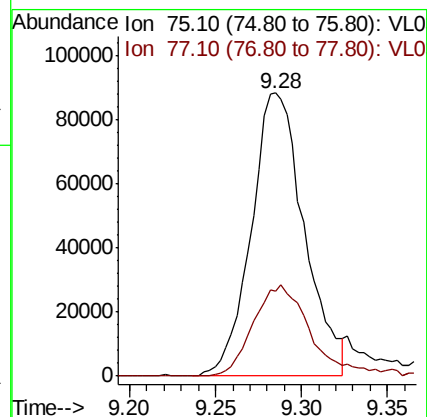
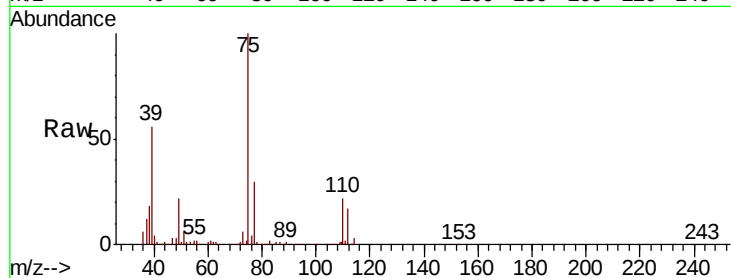
77 30.1 24.3 36.5

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#46

cis-1,3-Dichloropropene

Concen: 2.152 ppbv

RT: 8.71 min Scan# 1841

Delta R.T. -0.01 min

Lab File: VL037289.D

Acq: 30 Jul 2021 17:58

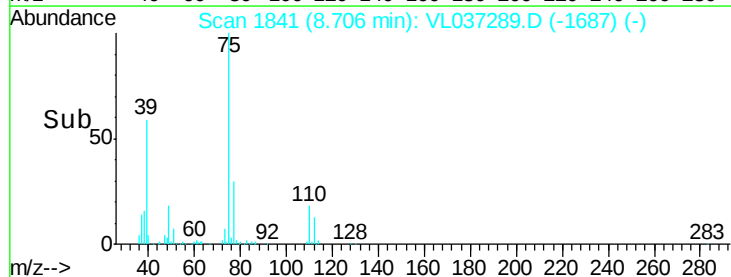
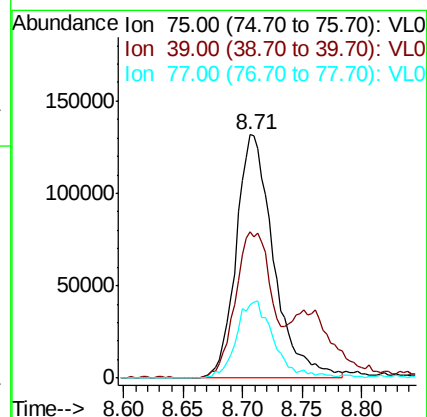
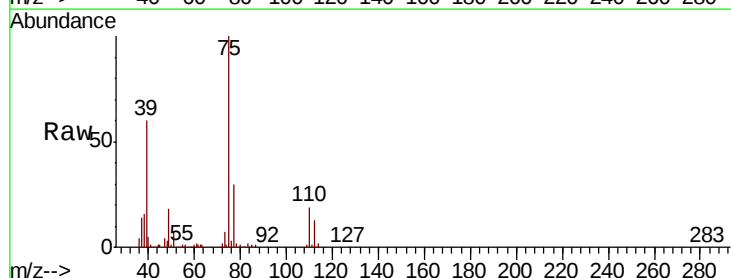
Tgt Ion: 75 Resp: 288326

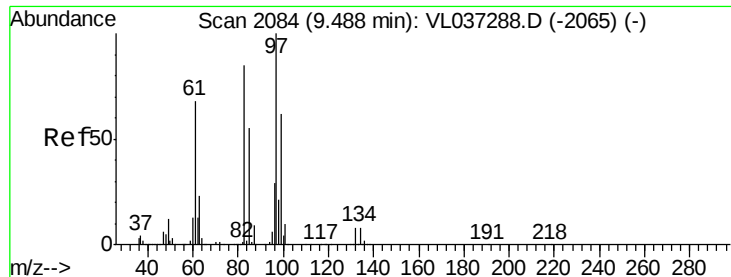
Ion Ratio Lower Upper

75 100

39 60.2 49.8 74.6

77 30.0 24.3 36.5





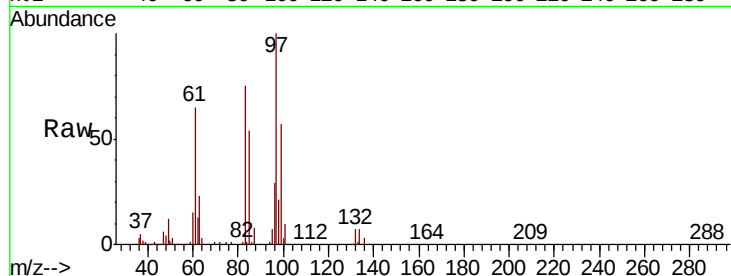
#47
 1,1,2-Trichloroethane
 Concen: 2.224 ppbv
 RT: 9.48 min Scan# 2082
 Delta R.T. -0.01 min
 Lab File: VL037289.D
 Acq: 30 Jul 2021 17:58

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

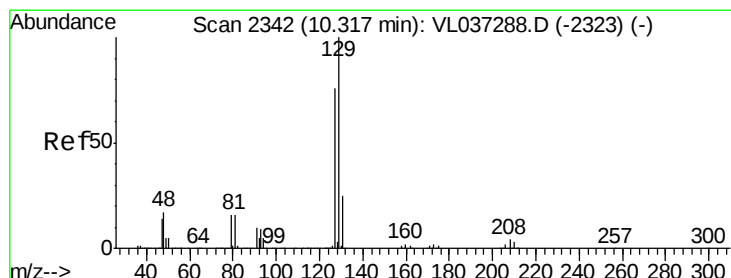
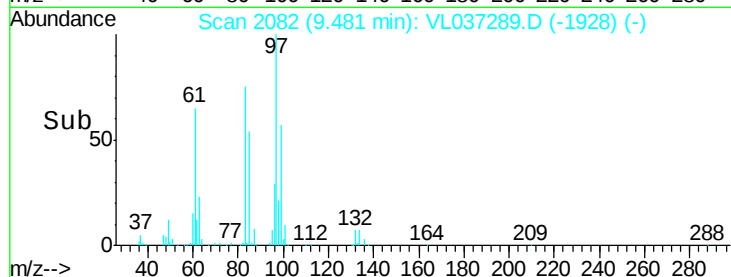
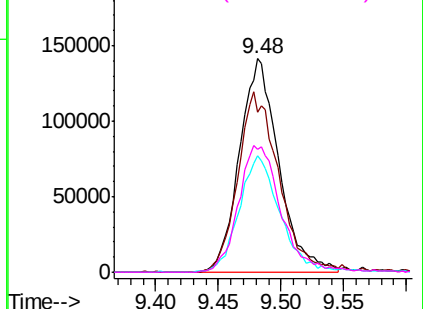
Tot Ion: 97	Resp: 307917
Ion Ratio	Lower Upper
97 100	
83 74.7	67.7 101.5
85 54.3	43.8 65.6
99 57.4	49.9 74.9

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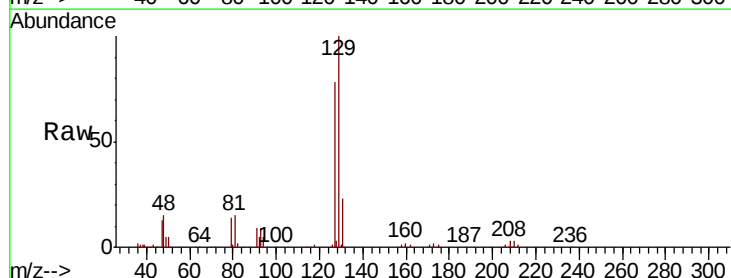


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

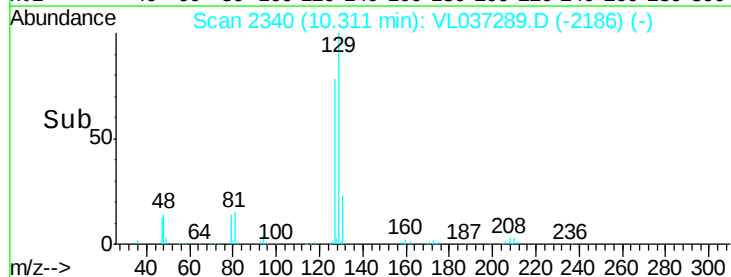
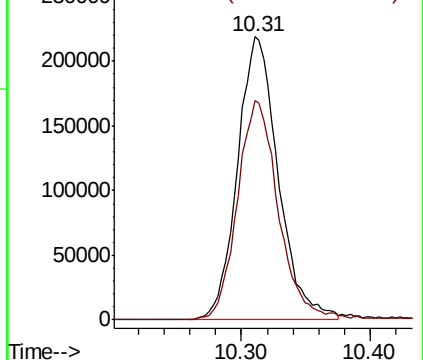


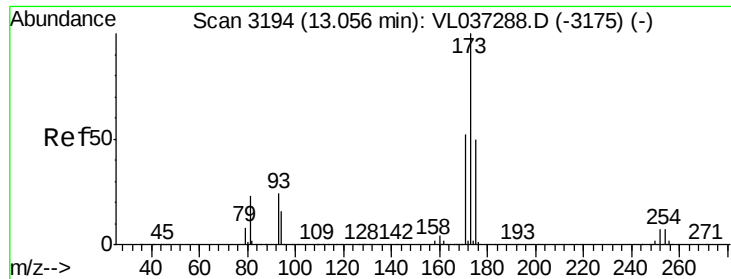
#48
 Dibromochloromethane
 Concen: 2.216 ppbv
 RT: 10.31 min Scan# 2340
 Delta R.T. -0.01 min
 Lab File: VL037289.D
 Acq: 30 Jul 2021 17:58

Tgt Ion: 129	Resp: 482113
Ion Ratio	Lower Upper
129 100	
127 78.3	39.5 118.3



Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 2.365 ppbv m

RT: 13.05 min Scan# 3193

Delta R.T. -0.00 min

Lab File: VL037289.D

Acq: 30 Jul 2021 17:58

Instrument :

MSVOA_L

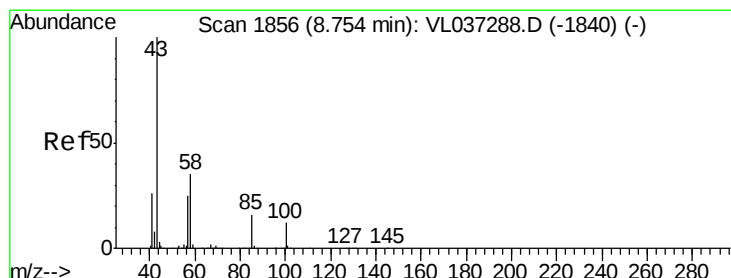
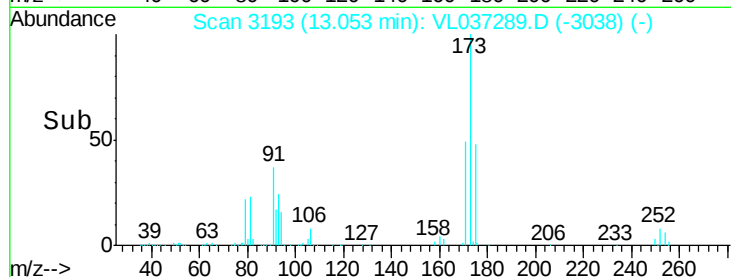
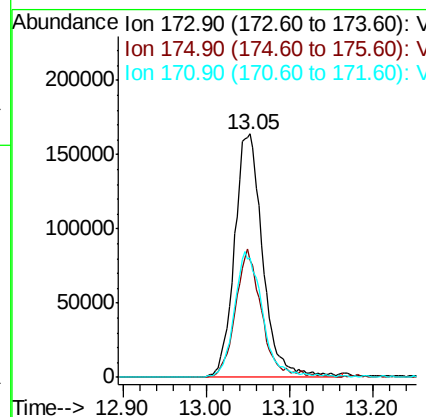
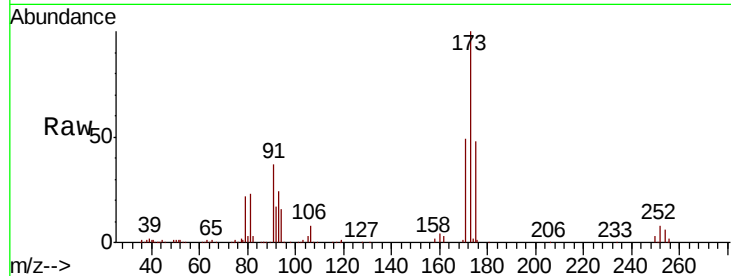
ClientSampleId :

VSTDIC002

Tot Ion:	173	Resp:	388536
Ion Ratio	Lower	Upper	
173	100		
175	49.1	40.4	60.6
171	51.7	43.3	64.9

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#50

4-Methyl-2-Pentanone

Concen: 2.375 ppbv

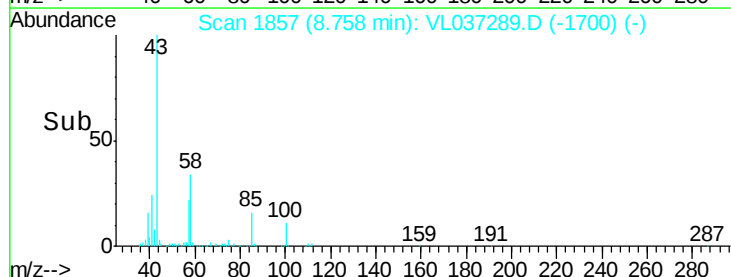
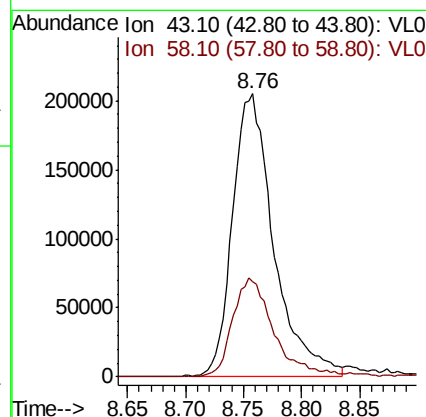
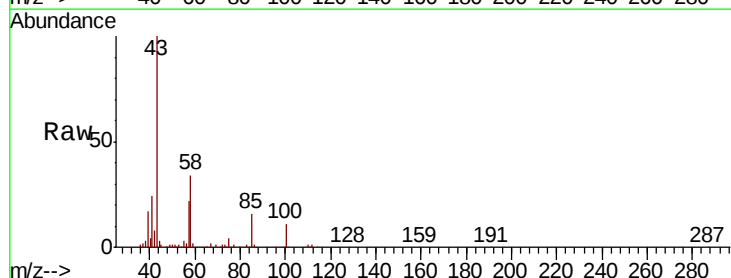
RT: 8.76 min Scan# 1857

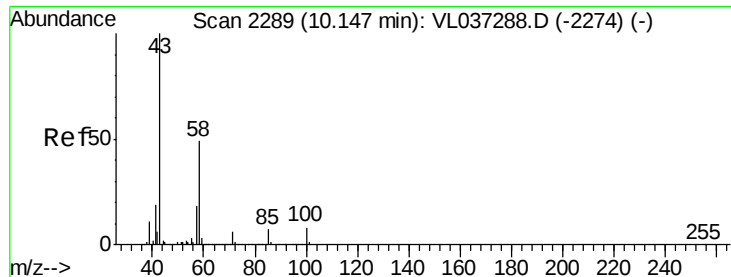
Delta R.T. 0.00 min

Lab File: VL037289.D

Acq: 30 Jul 2021 17:58

Tgt Ion:	43	Resp:	505427
Ion Ratio	Lower	Upper	
43	100		
58	36.5	29.2	43.8





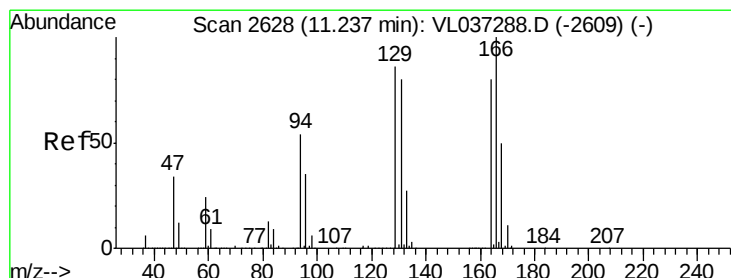
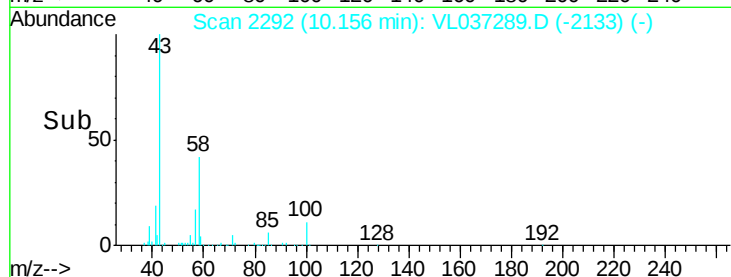
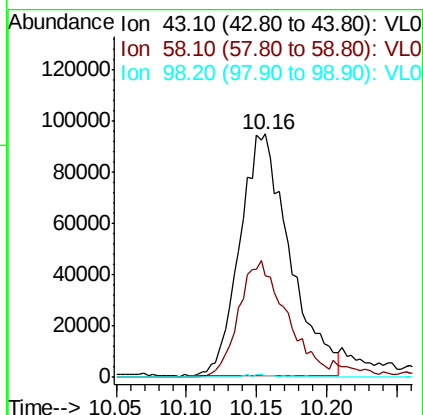
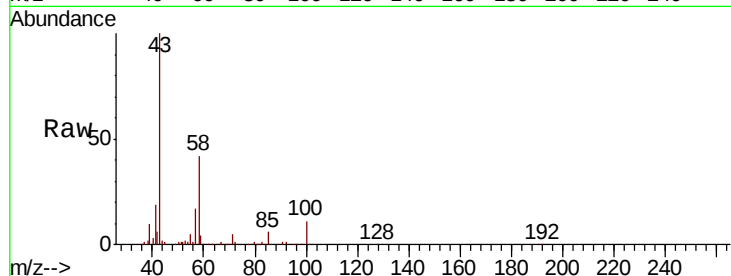
#51
2-Hexanone
Concen: 2.266 ppbv
RT: 10.16 min Scan# 2292
Delta R.T. 0.01 min
Lab File: VL037289.D
Acq: 30 Jul 2021 17:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.4	39.0	58.4
98	0.8	0.4	0.6

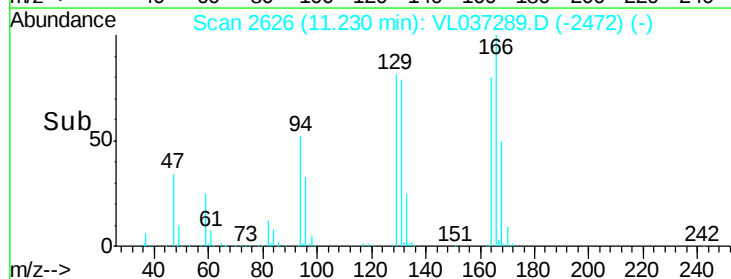
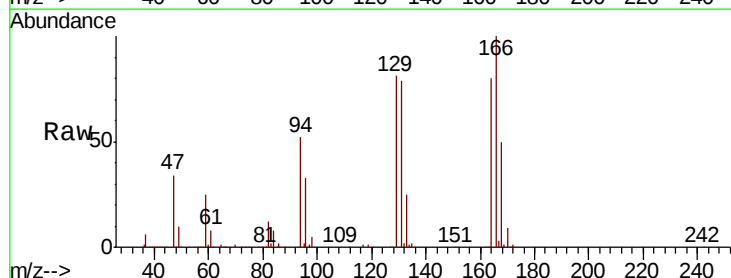
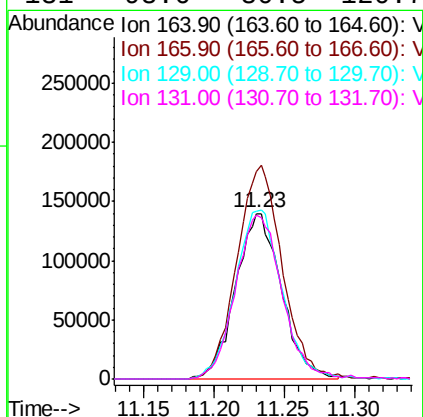
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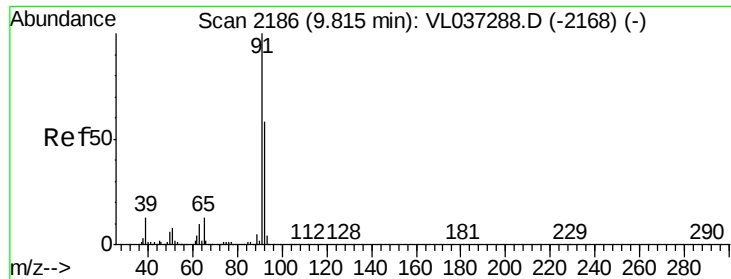
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#52
Tetrachloroethene
Concen: 2.084 ppbv
RT: 11.23 min Scan# 2626
Delta R.T. -0.01 min
Lab File: VL037289.D
Acq: 30 Jul 2021 17:58

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.2	100.4	150.6
129	100.8	86.2	129.4
131	98.6	80.5	120.7





#53

Toluene

Concen: 2.243 ppbv

RT: 9.81 min Scan# 2185

Delta R.T. -0.00 min

Lab File: VL037289.D

Acq: 30 Jul 2021 17:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 91 Resp: 876621

Ion Ratio Lower Upper

91 100

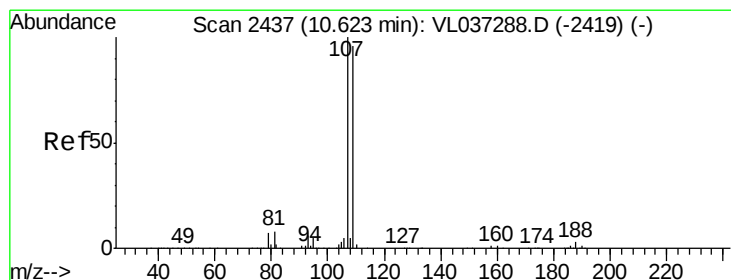
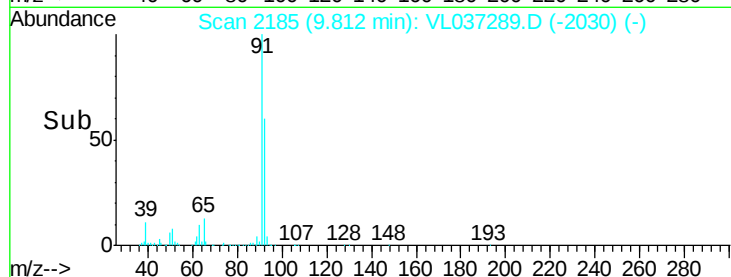
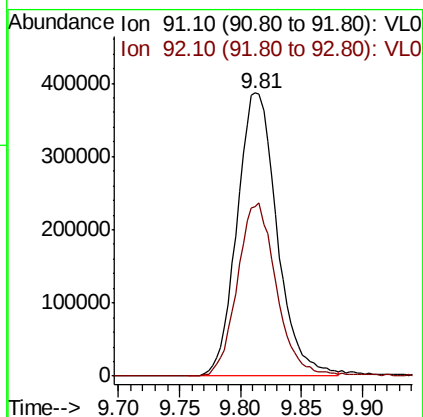
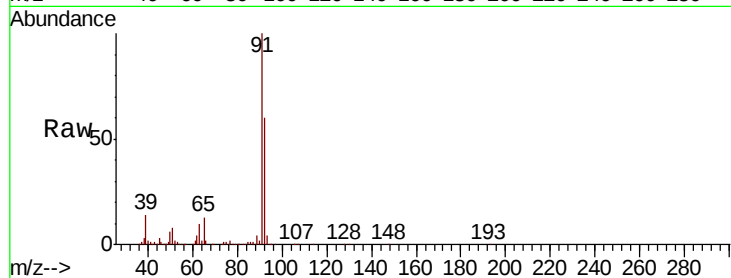
92 60.3 48.2 72.2

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#54

1,2-Dibromoethane

Concen: 2.216 ppbv

RT: 10.62 min Scan# 2435

Delta R.T. -0.01 min

Lab File: VL037289.D

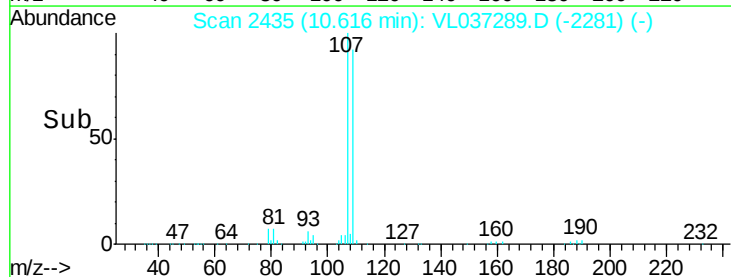
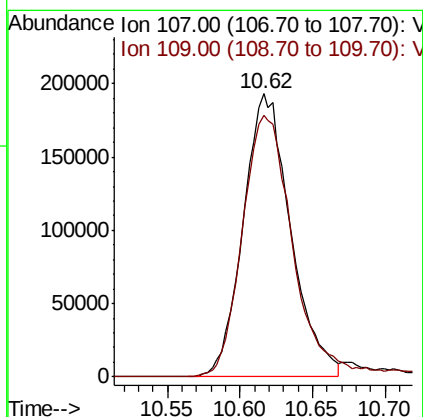
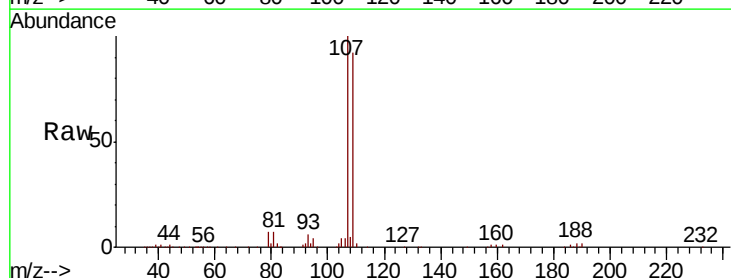
Acq: 30 Jul 2021 17:58

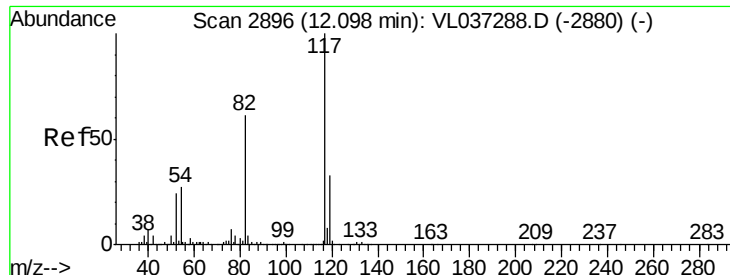
Tgt Ion: 107 Resp: 440064

Ion Ratio Lower Upper

107 100

109 92.2 77.0 115.4





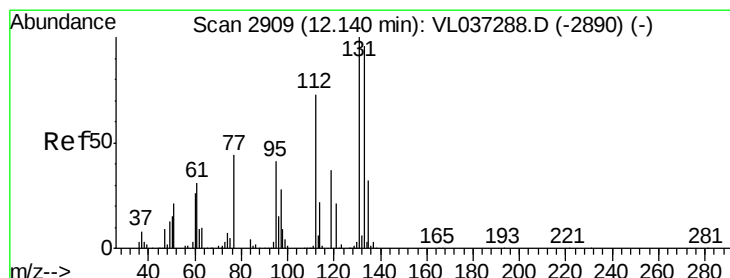
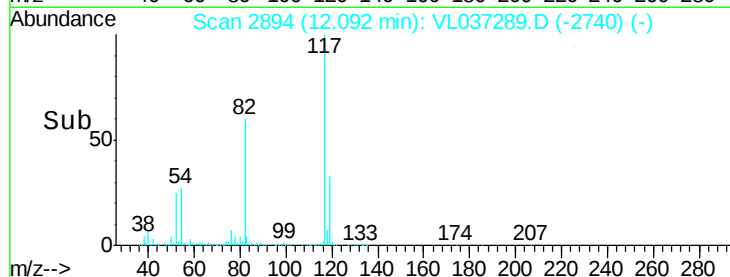
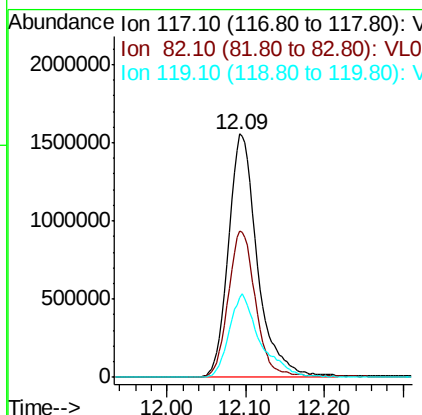
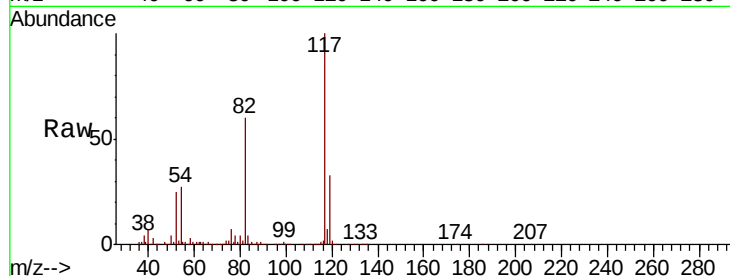
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2894
Delta R.T. -0.01 min
Lab File: VL037289.D
Acq: 30 Jul 2021 17:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.8	47.2	70.8
119	37.0	45.8	68.8#

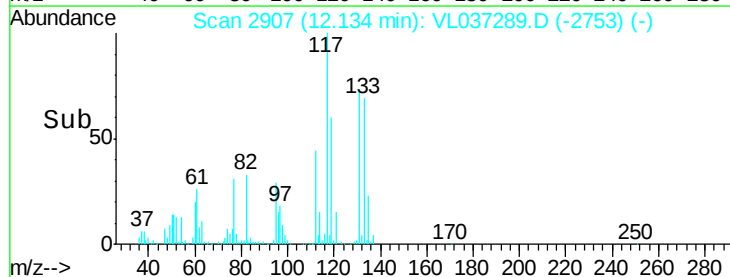
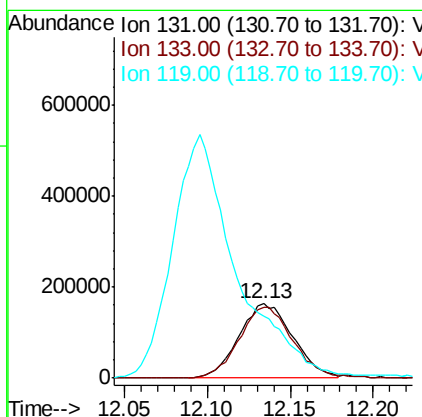
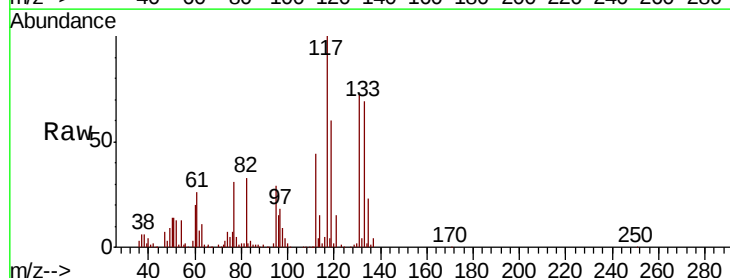
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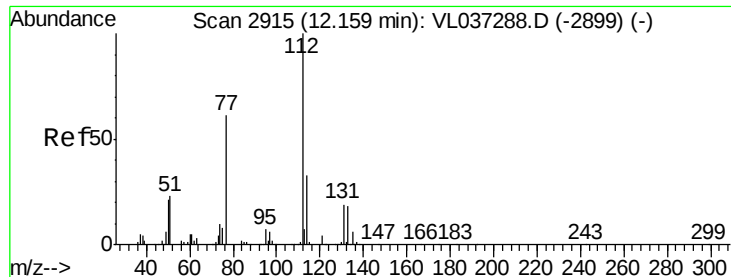
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#56
1,1,1,2-Tetrachloroethane
Concen: 2.129 ppbv
RT: 12.13 min Scan# 2907
Delta R.T. -0.01 min
Lab File: VL037289.D
Acq: 30 Jul 2021 17:58

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.9	77.4	116.2
119	399.6	51.0	76.4#





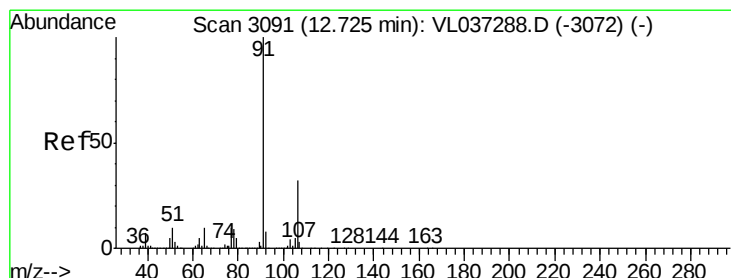
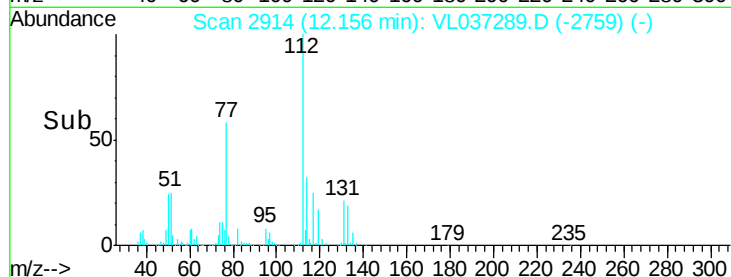
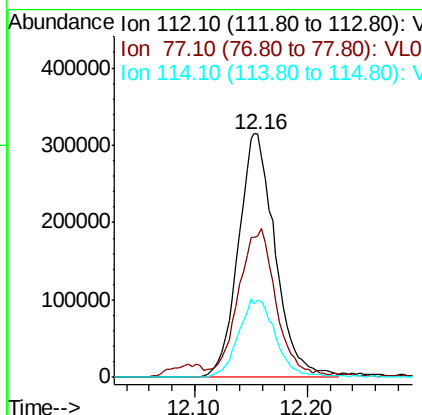
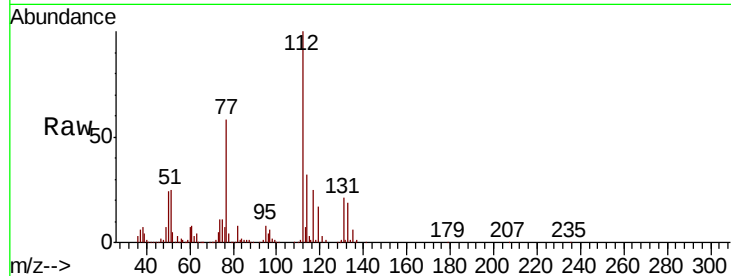
#57
Chlorobenzene
Concen: 2.210 ppbv
RT: 12.16 min Scan# 2914
Delta R.T. -0.00 min
Lab File: VL037289.D
Acq: 30 Jul 2021 17:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
112	100		
77	56.6	49.0	73.6
114	31.9	29.3	35.9

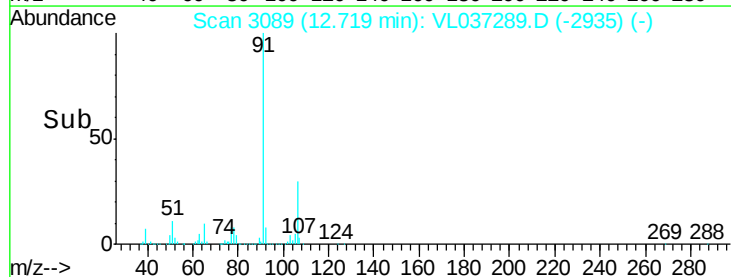
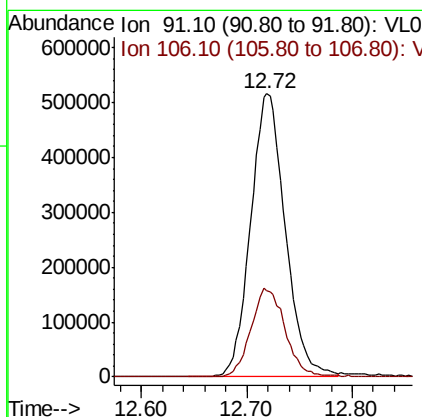
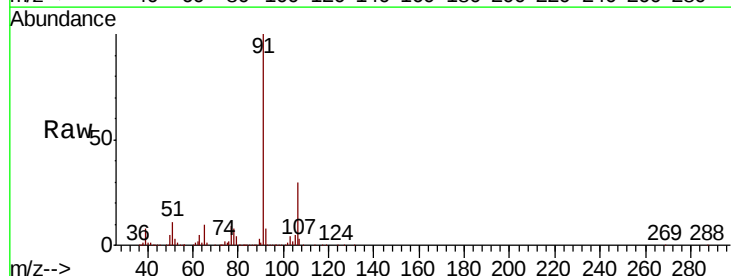
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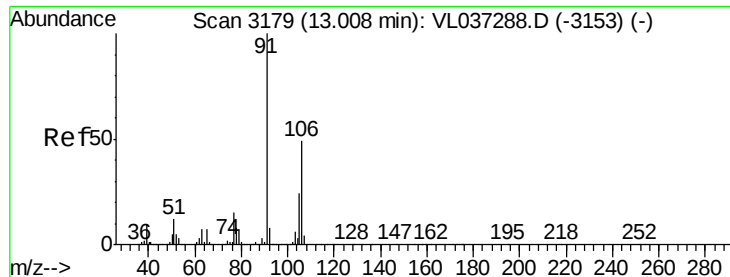
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#58
Ethyl Benzene
Concen: 2.170 ppbv
RT: 12.72 min Scan# 3089
Delta R.T. -0.01 min
Lab File: VL037289.D
Acq: 30 Jul 2021 17:58

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.4	25.4	38.0





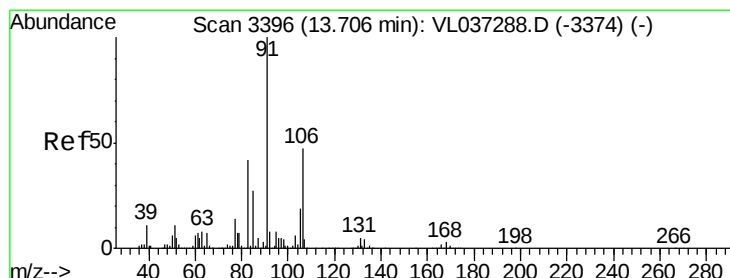
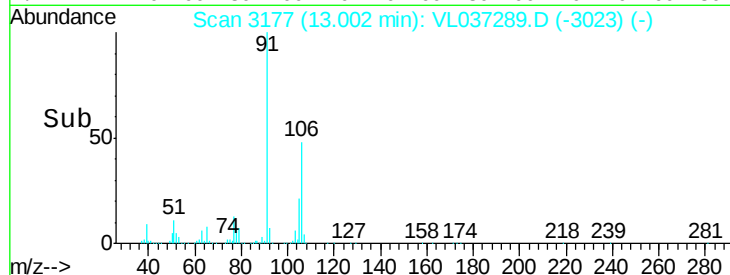
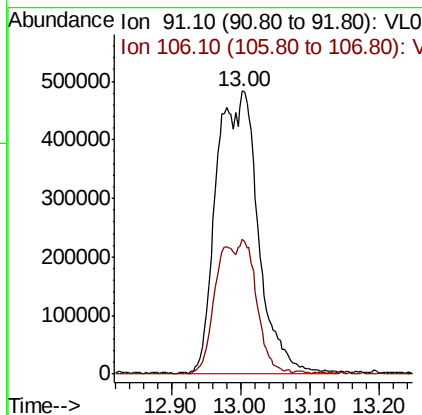
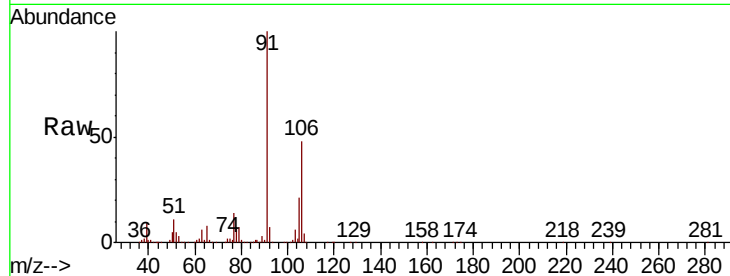
#59
m/p-Xylene
Concen: 4.420 ppbv m
RT: 13.00 min Scan# 3177
Delta R.T. -0.01 min
Lab File: VL037289.D
Acq: 30 Jul 2021 17:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion: 91 Resp: 2040588
Ion Ratio Lower Upper
91 100
106 45.5 37.3 55.9

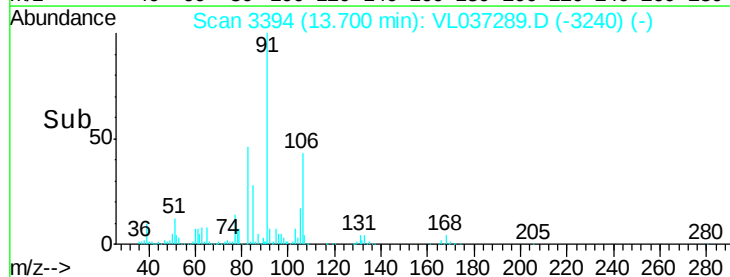
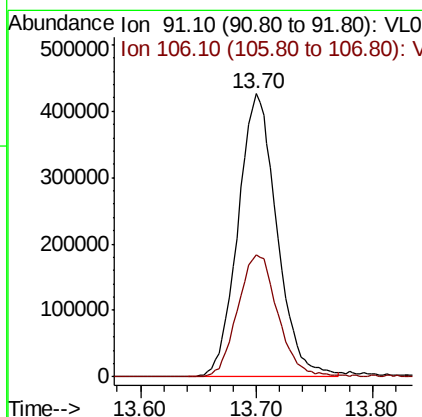
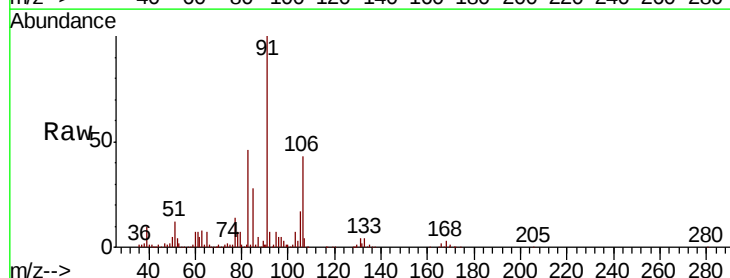
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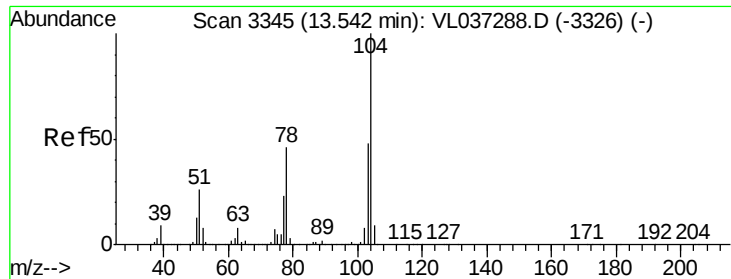
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#60
o-Xylene
Concen: 2.246 ppbv
RT: 13.70 min Scan# 3394
Delta R.T. -0.01 min
Lab File: VL037289.D
Acq: 30 Jul 2021 17:58

Tgt Ion: 91 Resp: 988855
Ion Ratio Lower Upper
91 100
106 45.3 23.4 70.0





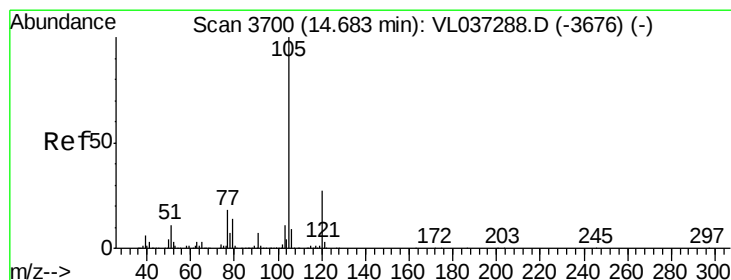
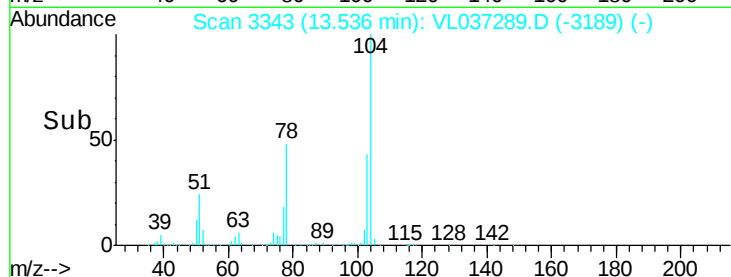
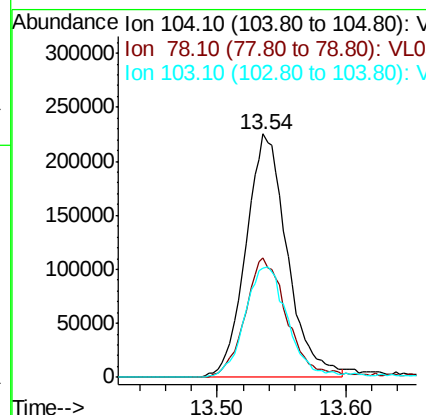
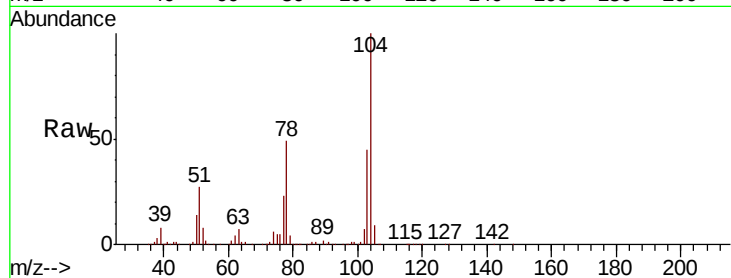
#61
Stvrene
Concen: 2.217 ppbv
RT: 13.54 min Scan# 3343
Delta R.T. -0.01 min
Lab File: VL037289.D
Acq: 30 Jul 2021 17:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
104	100		
78	50.9	39.0	58.6
103	48.0	38.6	58.0

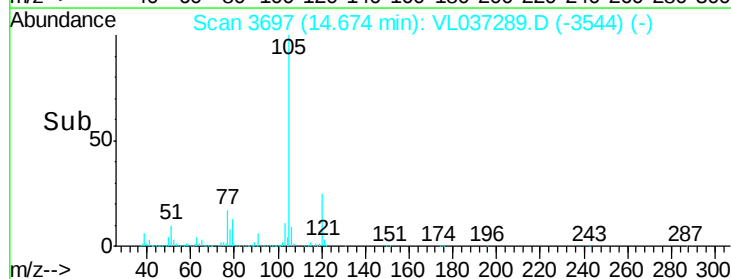
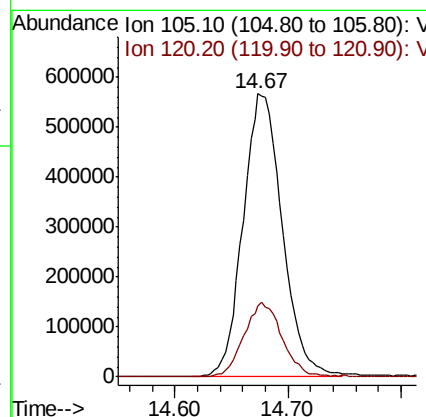
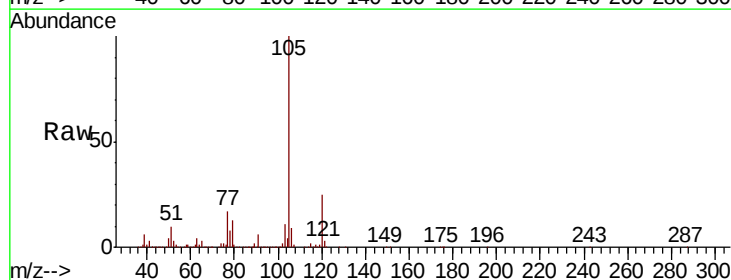
Manual Integrations
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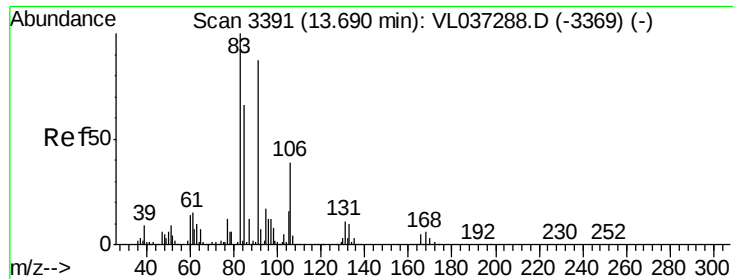
MMDadoda
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#62
Isopropylbenzene
Concen: 2.182 ppbv
RT: 14.67 min Scan# 3697
Delta R.T. -0.01 min
Lab File: VL037289.D
Acq: 30 Jul 2021 17:58

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.8	21.8	32.6





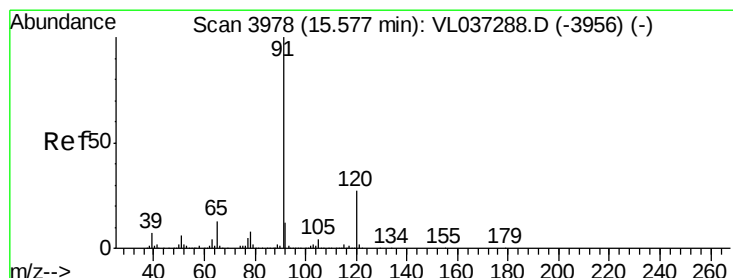
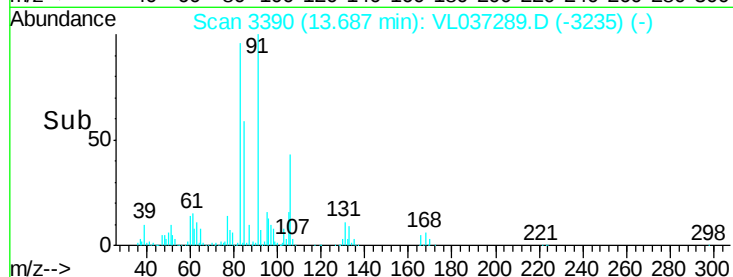
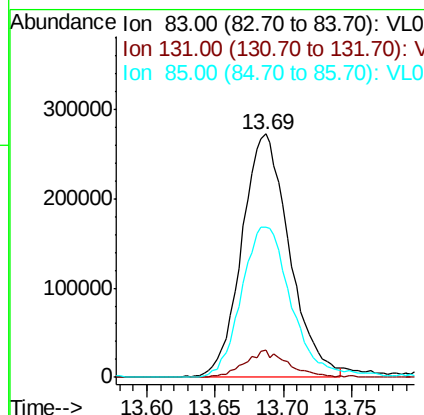
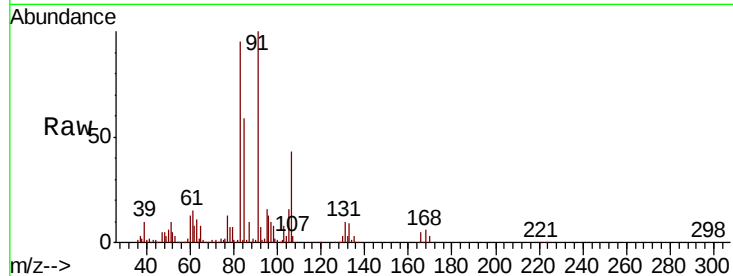
#63
 1,1,2,2-Tetrachloroethane
 Concen: 2.222 ppbv
 RT: 13.69 min Scan# 3390
 Delta R.T. -0.00 min
 Lab File: VL037289.D
 Acq: 30 Jul 2021 17:58

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	83	131	85
Resp	656405	10.5	66.1
Lower		5.5	33.6
Upper		16.5	100.8

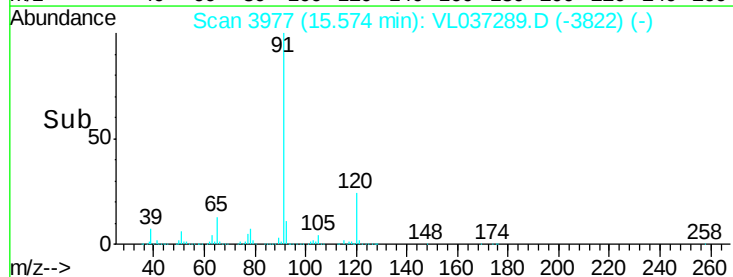
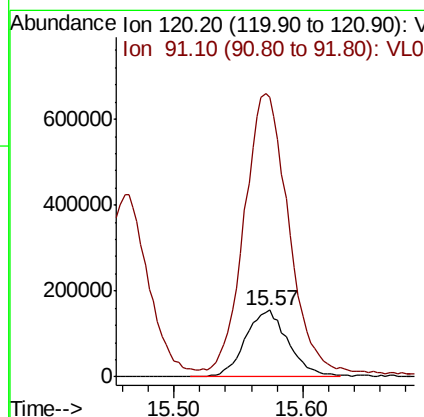
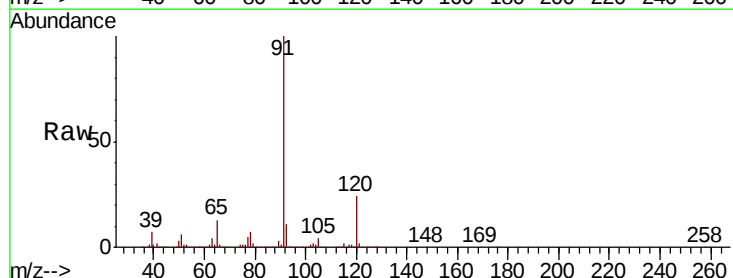
Manual Integrations
 APPROVED

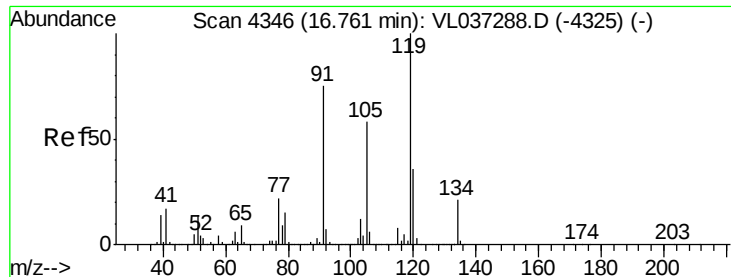
MMDadoda
 8/2/2021 8:57:30 AM



#64
 n-propylbenzene
 Concen: 2.284 ppbv
 RT: 15.57 min Scan# 3977
 Delta R.T. -0.00 min
 Lab File: VL037289.D
 Acq: 30 Jul 2021 17:58

Tgt Ion	120	91
Resp	359783	453.2
Lower		347.0
Upper		520.4





#65

tert-Butylbenzene

Concen: 2.329 ppbv

RT: 16.75 min Scan# 4344

Delta R.T. -0.01 min

Lab File: VL037289.D

Acq: 30 Jul 2021 17:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion:119 Resp: 1304612

Ion Ratio Lower Upper

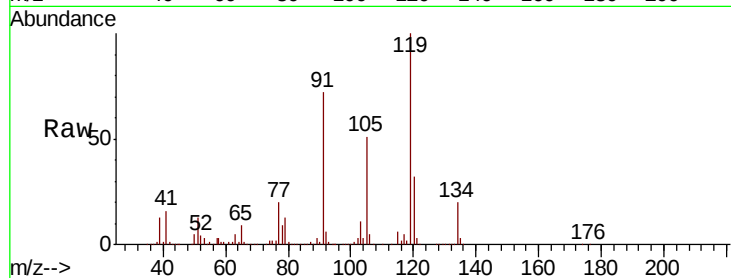
119 100

91 76.6 60.5 90.7

134 20.1 16.2 24.4

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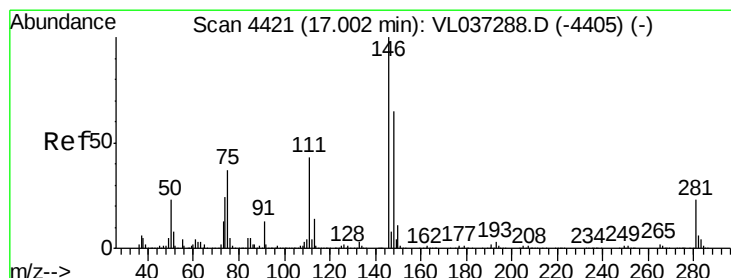
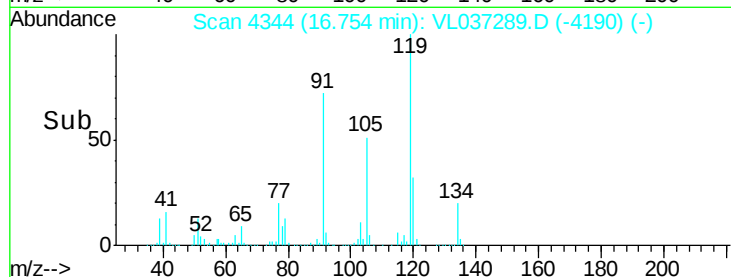
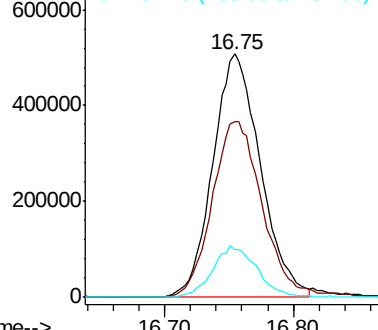
MMDadoda
8/2/2021 8:57:30 AM



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 2.005 ppbv m

RT: 17.00 min Scan# 4420

Delta R.T. -0.00 min

Lab File: VL037289.D

Acq: 30 Jul 2021 17:58

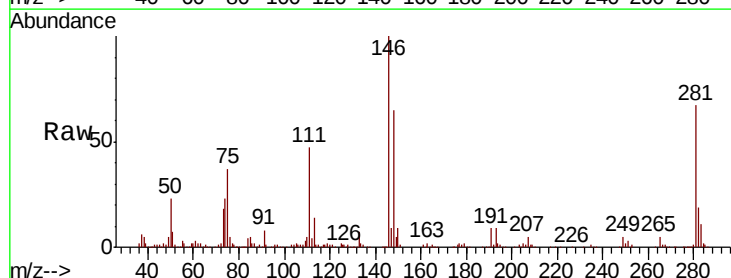
Tgt Ion: 91 Resp: 51803

Ion Ratio Lower Upper

91 100

126 20.4 15.4 23.0

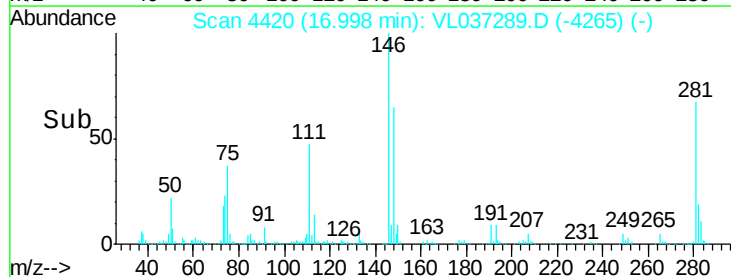
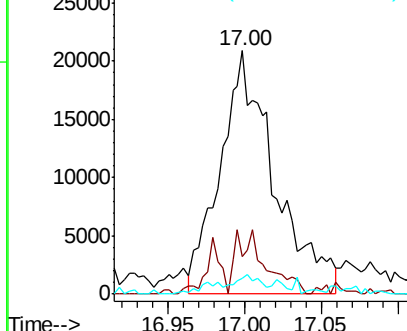
128 5.6 5.0 7.4

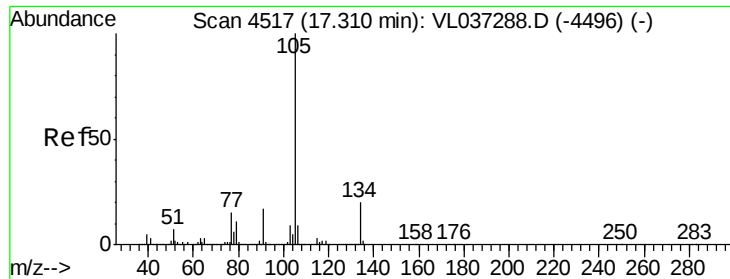


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 2.313 ppbv

RT: 17.30 min Scan# 4515

Delta R.T. -0.01 min

Lab File: VL037289.D

Acq: 30 Jul 2021 17:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 105 Resp: 1728934

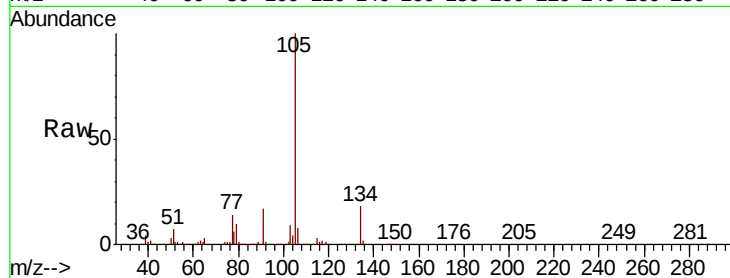
Ion Ratio Lower Upper

105 100

134 19.1 15.8 23.6

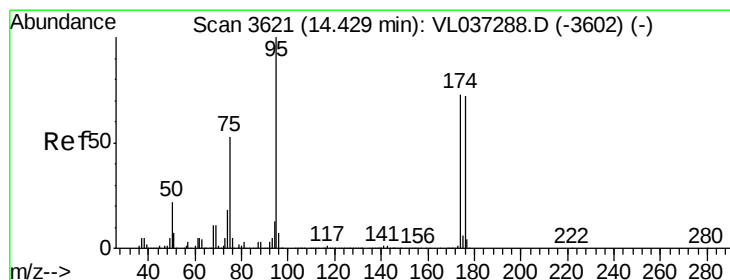
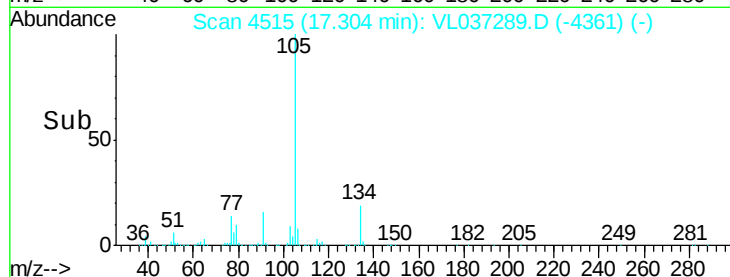
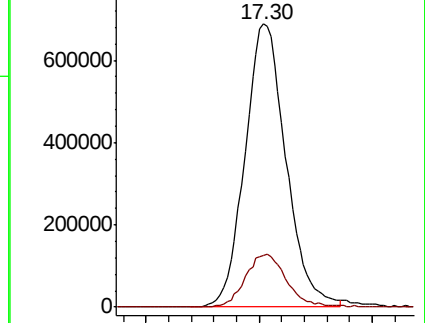
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.333 ppbv

RT: 14.43 min Scan# 3620

Delta R.T. -0.00 min

Lab File: VL037289.D

Acq: 30 Jul 2021 17:58

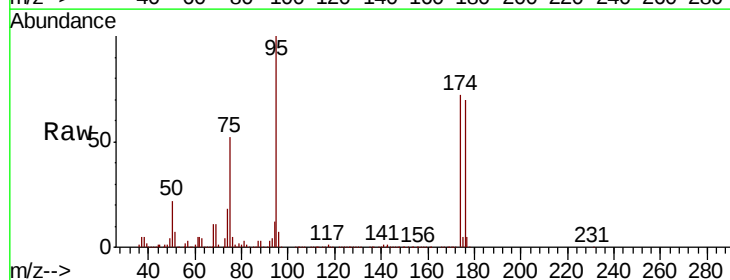
Tgt Ion: 95 Resp: 2781054

Ion Ratio Lower Upper

95 100

174 75.6 59.8 89.6

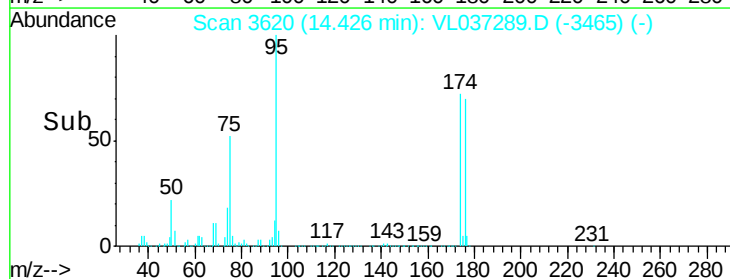
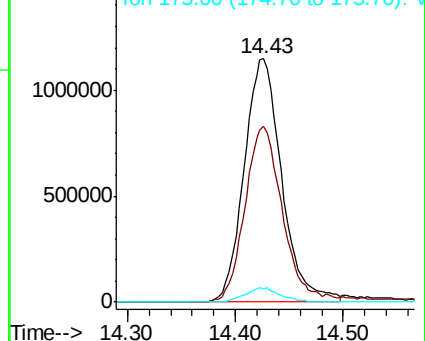
175 5.5 4.5 6.7

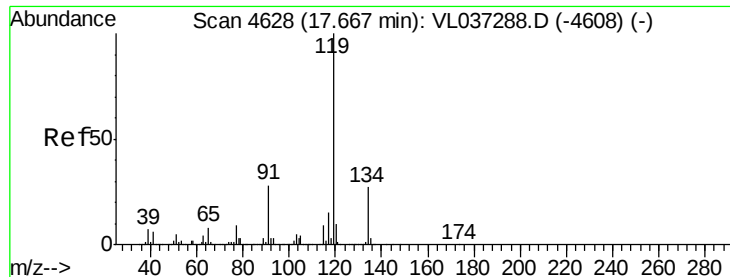


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





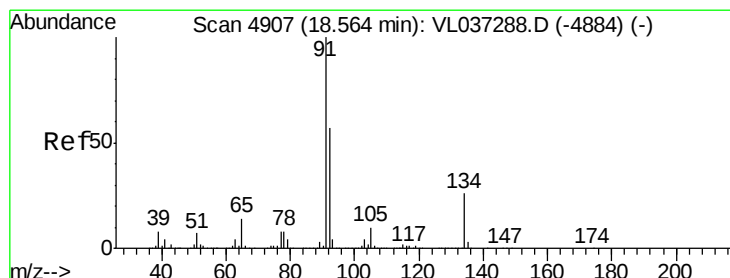
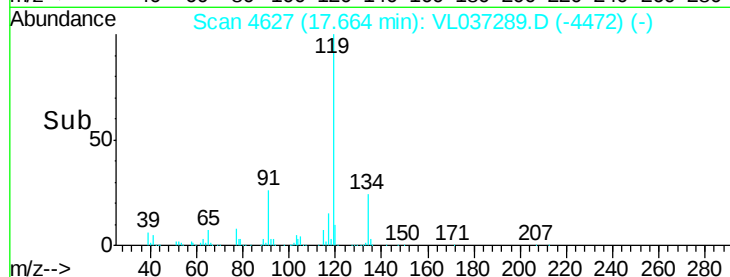
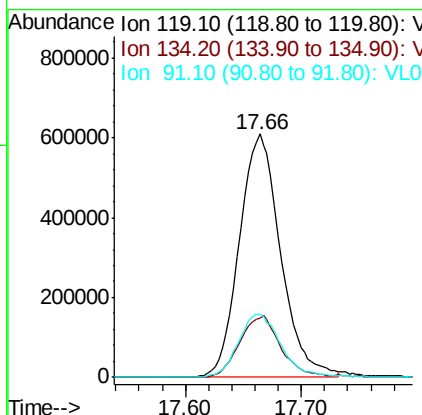
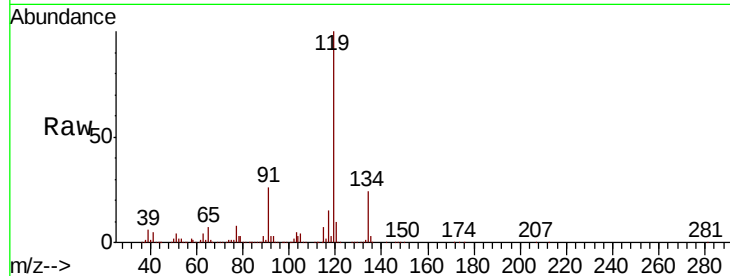
#69
 p-Isopropyltoluene
 Concen: 2.378 ppbv
 RT: 17.66 min Scan# 4627
 Delta R.T. -0.00 min
 Lab File: VL037289.D
 Acq: 30 Jul 2021 17:58

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.8	21.1	31.7
91	27.0	21.8	32.6

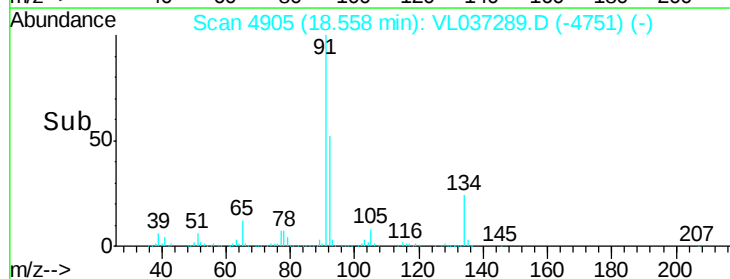
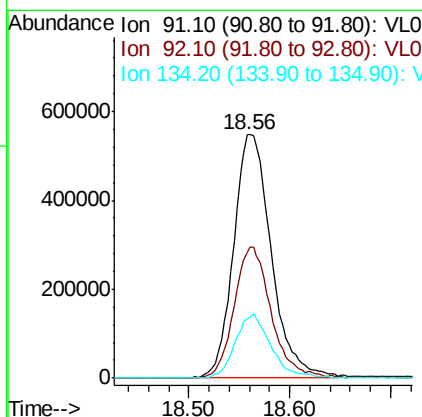
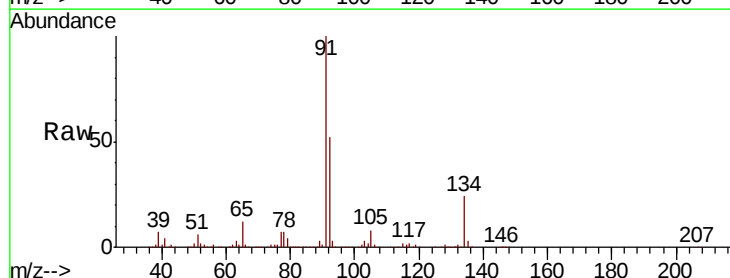
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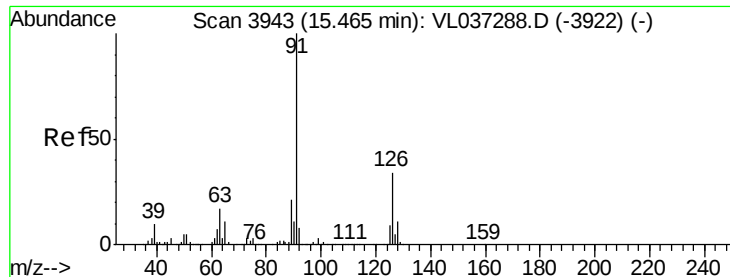
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#70
 n-Butylbenzene
 Concen: 2.422 ppbv
 RT: 18.56 min Scan# 4905
 Delta R.T. -0.01 min
 Lab File: VL037289.D
 Acq: 30 Jul 2021 17:58

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.4	43.6	65.4
134	25.0	20.3	30.5





#71

2-Chlorotoluene

Concen: 2.274 ppbv

RT: 15.46 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VL037289.D

Acq: 30 Jul 2021 17:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 91 Resp: 999298

Ion Ratio Lower Upper

91 100

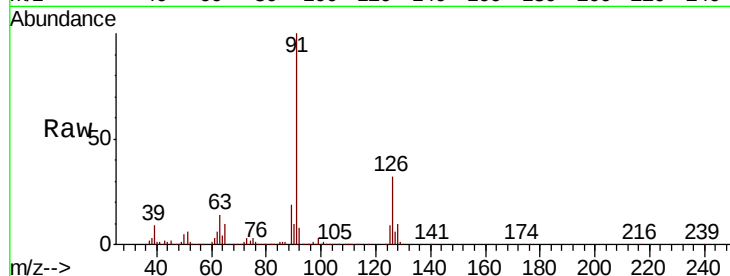
126 33.1 13.8 55.2

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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

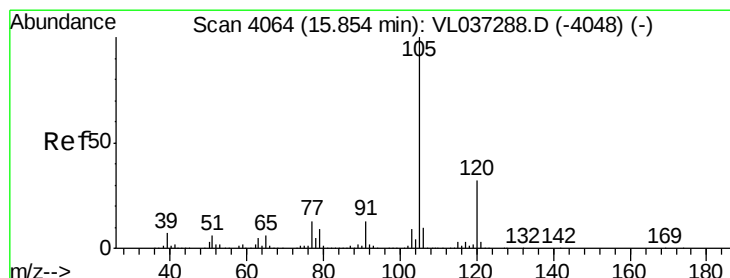
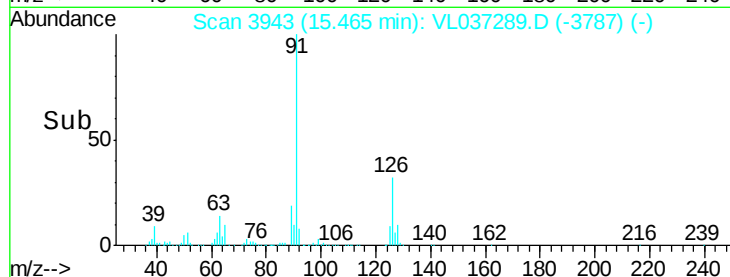
600000

15.46

400000

200000

Time-->



#72

4-Ethyltoluene

Concen: 2.271 ppbv

RT: 15.85 min Scan# 4062

Delta R.T. -0.01 min

Lab File: VL037289.D

Acq: 30 Jul 2021 17:58

Tgt Ion: 105 Resp: 1150192

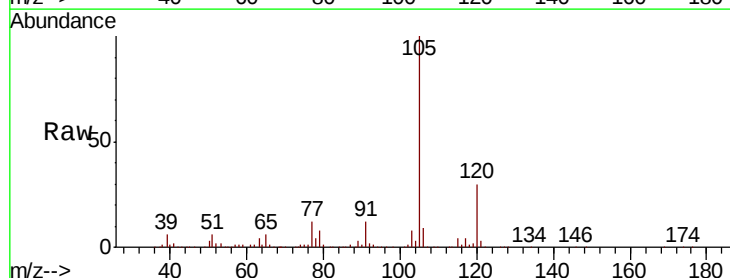
Ion Ratio Lower Upper

105 100

120 31.1 24.3 36.5

91 12.5 9.6 14.4

77 13.2 10.3 15.5



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

800000

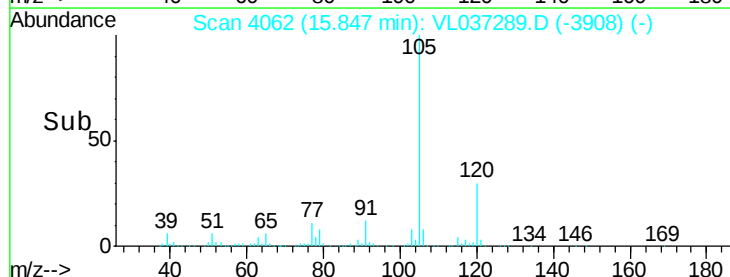
15.85

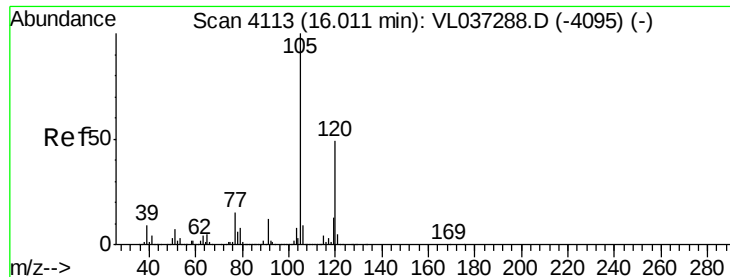
600000

400000

200000

Time-->





#73

1,3,5-Trimethylbenzene

Concen: 2.197 ppbv

RT: 16.01 min Scan# 4112

Delta R.T. -0.00 min

Lab File: VL037289.D

Acq: 30 Jul 2021 17:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion:105 Resp: 1071244

Ion Ratio Lower Upper

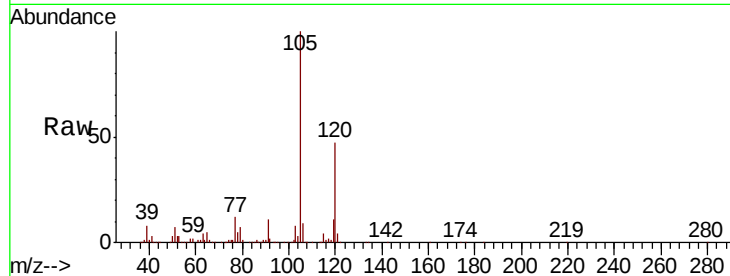
105 100

120 47.4 39.0 58.6

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.01

500000

400000

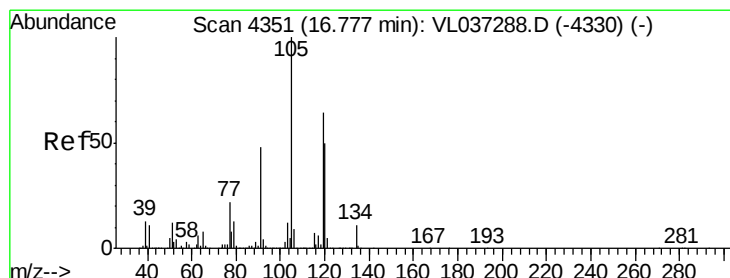
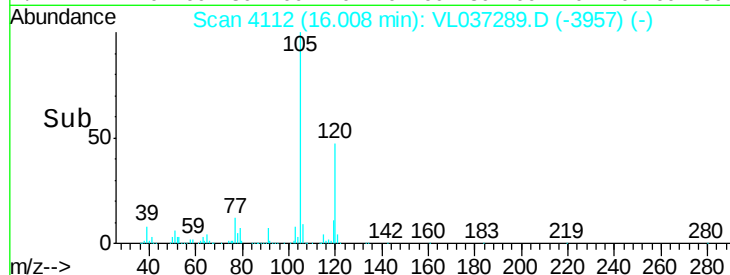
300000

200000

100000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 2.409 ppbv

RT: 16.77 min Scan# 4349

Delta R.T. -0.01 min

Lab File: VL037289.D

Acq: 30 Jul 2021 17:58

Tgt Ion:105 Resp: 1209260

Ion Ratio Lower Upper

105 100

120 48.0 40.2 60.4

91 50.2 39.0 58.6

77 20.7 17.4 26.0

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

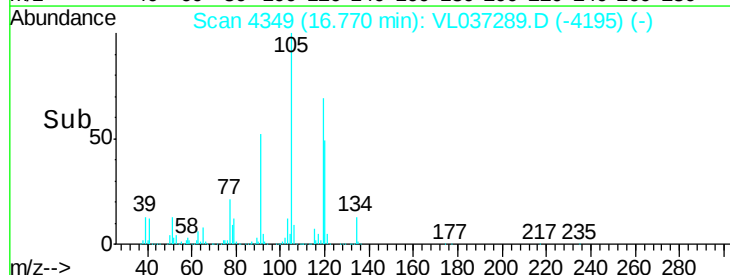
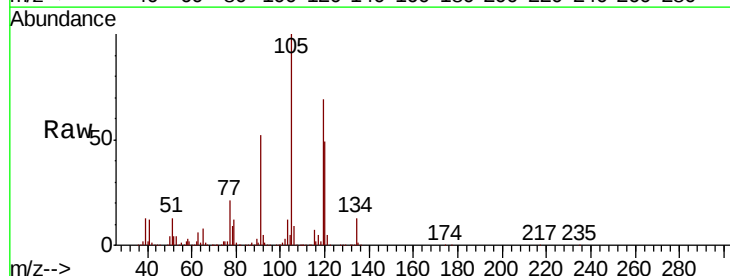
600000

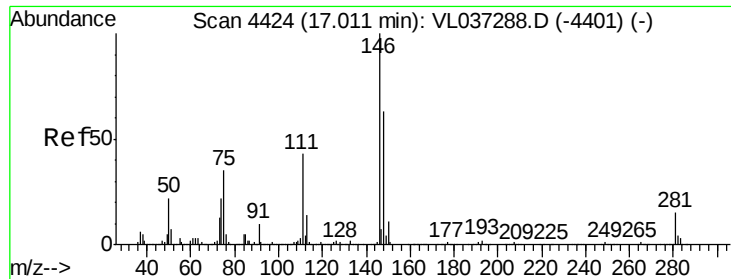
400000

200000

0

Time-->





#75

1,3-Dichlorobenzene

Concen: 2.317 ppbv

RT: 17.00 min Scan# 4422

Delta R.T. -0.01 min

Lab File: VL037289.D

Acq: 30 Jul 2021 17:58

Instrument :

MSVOA_L

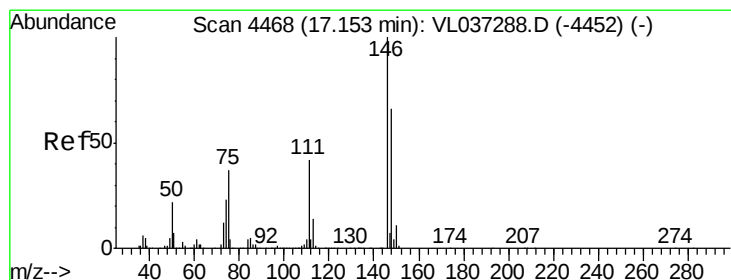
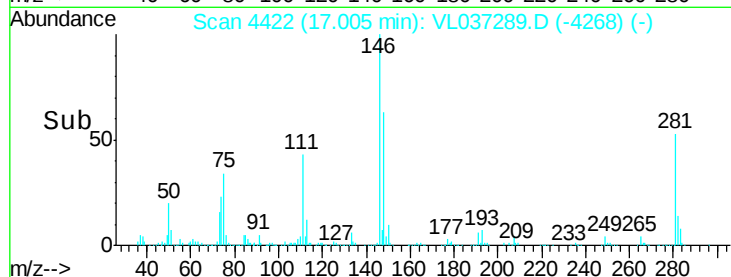
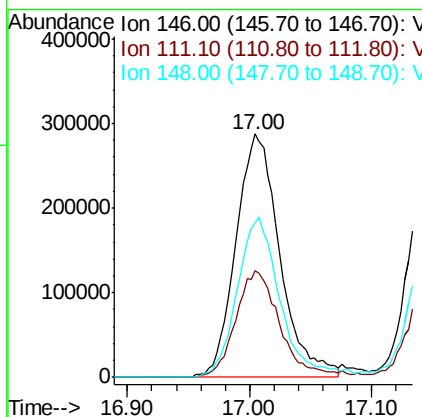
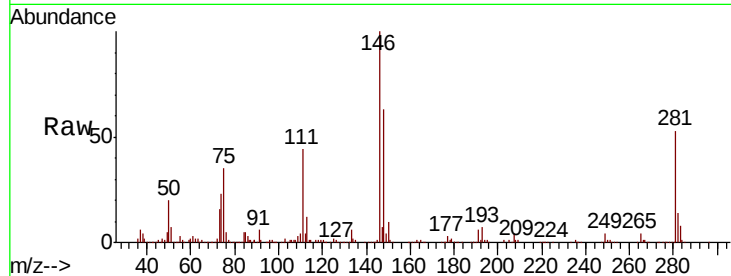
ClientSampleId :

VSTDIC002

Tot Ion:	146	Resp:	712664
Ion Ratio	Lower	Upper	
146	100		
111	44.7	21.7	65.1
148	65.4	32.3	96.9

Manual Integrations
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#76

1,4-Dichlorobenzene

Concen: 2.372 ppbv m

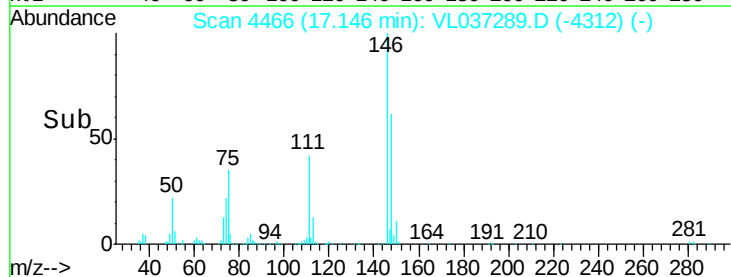
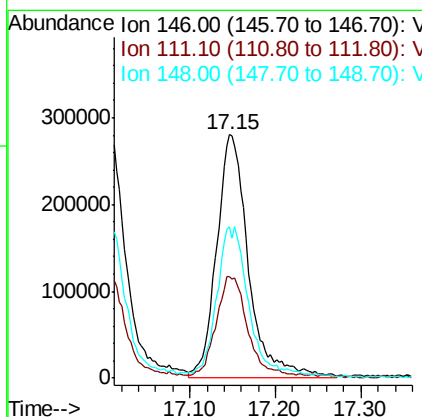
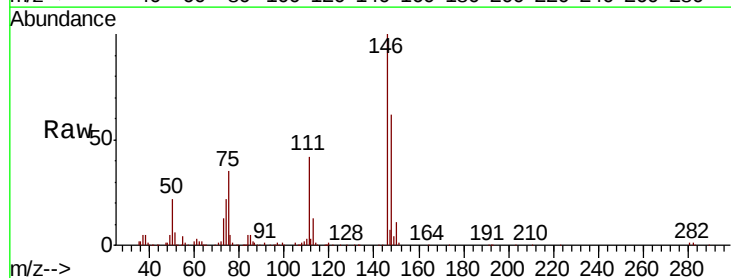
RT: 17.15 min Scan# 4466

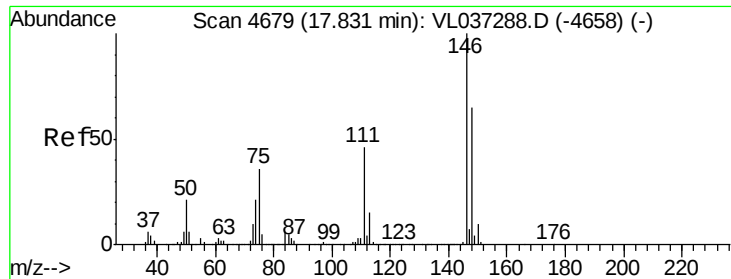
Delta R.T. -0.01 min

Lab File: VL037289.D

Acq: 30 Jul 2021 17:58

Tgt Ion:	146	Resp:	733481
Ion Ratio	Lower	Upper	
146	100		
111	42.8	21.2	63.6
148	62.5	32.9	98.6





#77

1,2-Dichlorobenzene

Concen: 2.314 ppbv

RT: 17.82 min Scan# 4677

Delta R.T. -0.01 min

Lab File: VL037289.D

Acq: 30 Jul 2021 17:58

Instrument :

MSVOA_L

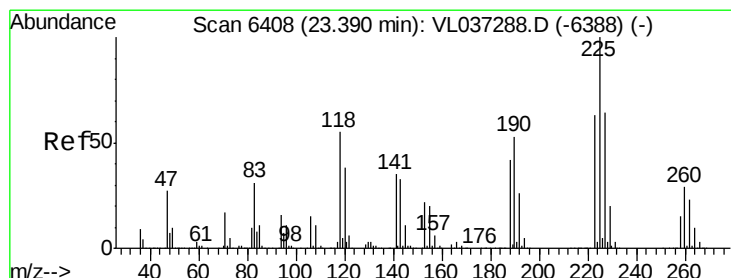
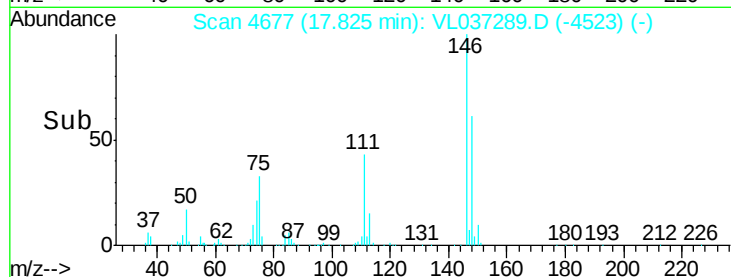
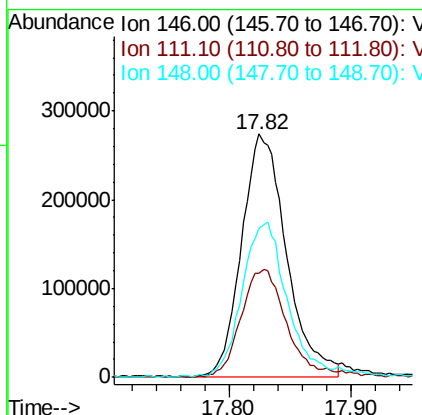
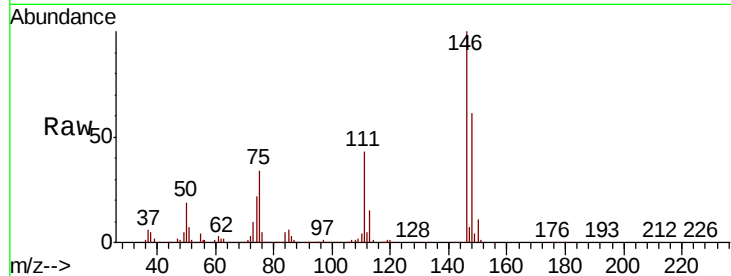
ClientSampleId :

VSTDIC002

Tot Ion:	146	Resp:	691054
Ion Ratio	Lower	Upper	
146	100		
111	46.7	22.6	67.7
148	66.1	32.5	97.4

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#78

Hexachloro-1,3-Butadiene

Concen: 2.143 ppbv m

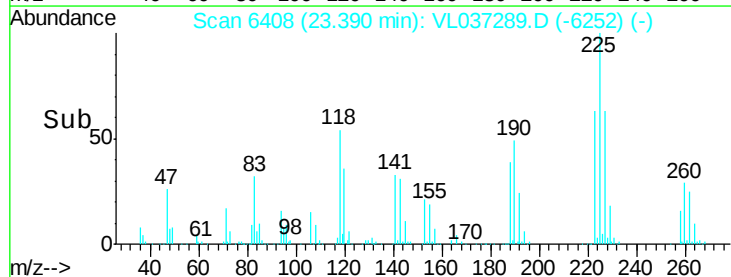
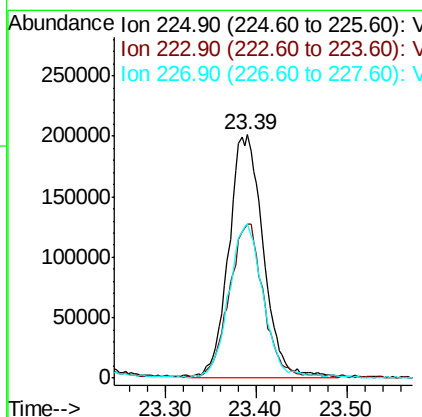
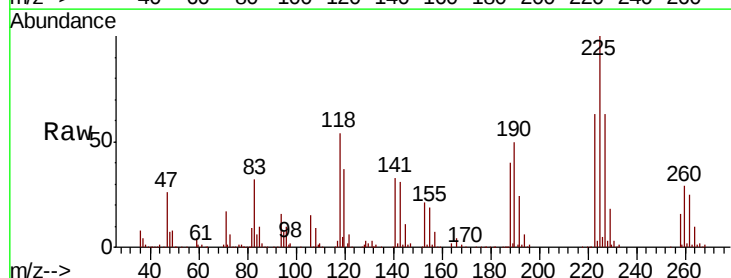
RT: 23.39 min Scan# 6408

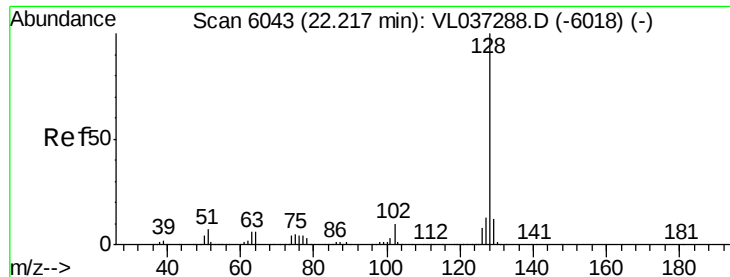
Delta R.T. 0.00 min

Lab File: VL037289.D

Acq: 30 Jul 2021 17:58

Tgt Ion:	225	Resp:	537580
Ion Ratio	Lower	Upper	
225	100		
223	0.0	51.7	77.5#
227	0.0	51.8	77.8#





#79

Naphthalene

Concen: 2.591 ppbv

RT: 22.21 min Scan# 6042

Delta R.T. -0.00 min

Lab File: VL037289.D

Acq: 30 Jul 2021 17:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion:128 Resp: 1048297

Ion Ratio Lower Upper

128 100

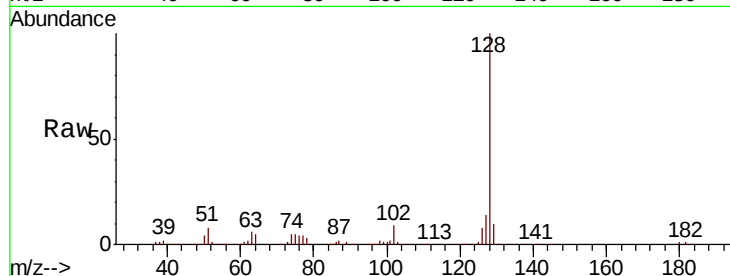
127 13.6 10.7 16.1

129 10.3 9.4 14.2

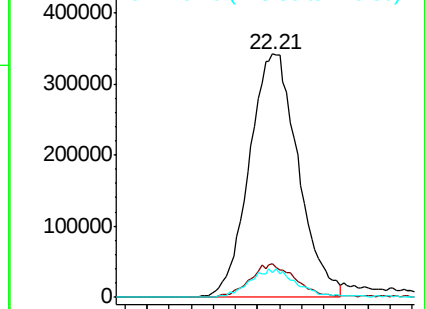
Manual Integrations
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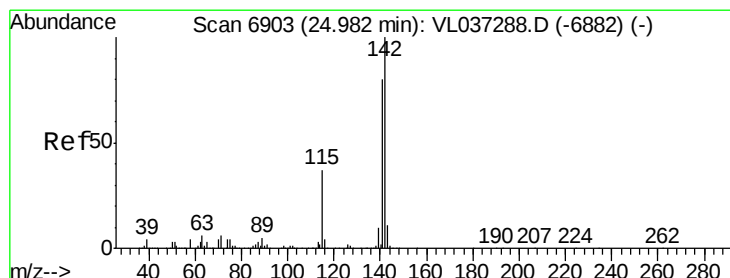
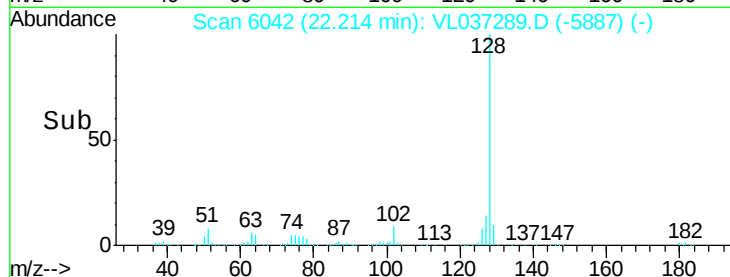
8/2/2021 8:57:30 AM



Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



Time-->



#80

Naphthalene, 2-methyl-

Concen: 3.145 ppbv

RT: 24.98 min Scan# 6903

Delta R.T. 0.00 min

Lab File: VL037289.D

Acq: 30 Jul 2021 17:58

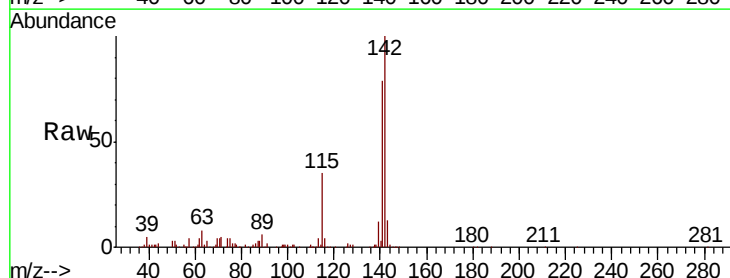
Tgt Ion:142 Resp: 332040

Ion Ratio Lower Upper

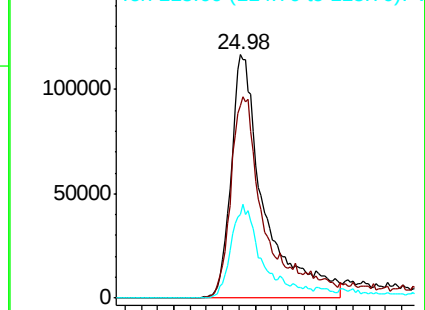
142 100

141 89.7 67.0 100.6

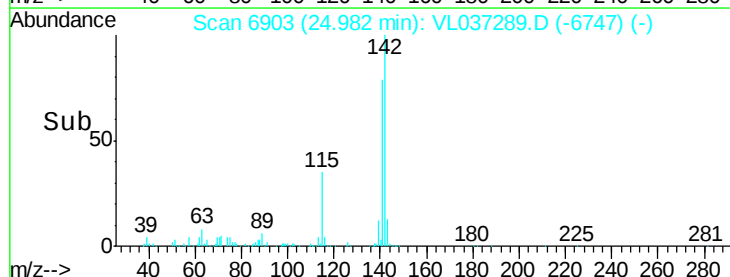
115 43.7 28.6 42.8#

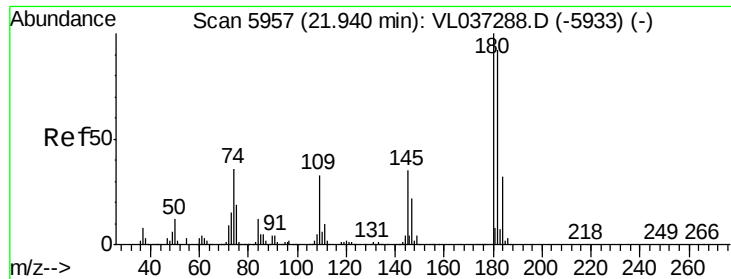


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V



Time-->





#81
 1,2,4-Trichlorobenzene
 Concen: 2.584 ppbv
 RT: 21.94 min Scan# 5958
 Delta R.T. 0.00 min
 Lab File: VL037289.D
 Acq: 30 Jul 2021 17:58

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion:	180	Resp:	612386
Ion Ratio	Lower	Upper	
180	100		
182	99.9	80.8	121.2
184	30.9	25.4	38.2

Manual Integrations
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MMDadoda
 8/2/2021 8:57:30 AM

