

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061421\
 Data File : VL037145.D
 Acq On : 14 Jun 2021 11:48
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

MMDadoda
 6/15/2021 5:17:04 PM

Quant Time: Jun 14 14:06:35 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 2021
 QLast Update : Tue May 18 12:00:15 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1603845	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.19	114	4731446	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.09	117	4426505m	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	3375887	10.15	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	2329766	8.563	ppbv	100
3) Chlorodifluoromethane	2.99	51	2890198	9.836	ppbv	96
4) Chloromethane	3.14	50	1008957	10.091	ppbv	97
5) Vinyl Chloride	3.26	62	1086616	9.942	ppbv	98
6) Bromomethane	3.48	94	642905	11.164	ppbv	100
7) Chloroethane	3.56	64	394462	11.116	ppbv	100
8) Dichlorotetrafluoroethane	3.19	85	2644042	10.350	ppbv	96
9) Propene	3.01	41	955731	9.084	ppbv	100
10) Heptane	8.13	43	2420969	9.233	ppbv	99
11) Trichlorofluoromethane	3.95	101	2853421	11.330	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1935468	10.789	ppbv	96
13) Ethanol	3.62	45	126308	8.997	ppbv	96
14) Bromoethene	3.74	108	867762	10.982	ppbv	100
15) Acetone	3.86	43	1459232	8.883	ppbv	98
16) 1,3-Butadiene	3.33	39	1061176	10.397	ppbv	98
17) tert-Butyl alcohol	4.30	59	1838053	12.215	ppbv	99
18) 1,1-Dichloroethene	4.29	96	894631	10.785	ppbv	94
19) Isopropyl Alcohol	3.97	45	1099653	12.453	ppbv #	33
20) Methylene Chloride	4.35	84	727853	8.266	ppbv	96
21) Allyl Chloride	4.42	41	1309719	10.568	ppbv	97
22) trans-1,2-Dichloroethene	4.89	96	914127	11.499	ppbv	96
23) Vinyl Acetate	5.08	43	2710032	10.393	ppbv	97
24) 1,1-Dichloroethane	5.02	63	2014433	10.733	ppbv	99
25) Ethyl Acetate	5.69	43	3750010	9.500	ppbv	99
26) Hexane	5.69	57	1809081	8.971	ppbv	97
27) Carbon Disulfide	4.56	76	2129234	10.476	ppbv	100
28) Methyl tert-Butyl Ether	5.04	73	2378876	9.841	ppbv	100
29) Chloroform	5.76	83	2970016	10.425	ppbv	98
30) Cyclohexane	7.14	84	1639553	9.567	ppbv	97
31) cis-1,2-Dichloroethene	5.56	61	1829907	10.121	ppbv	99
32) 1,1,1-Trichloroethane	6.52	97	3084719	10.083	ppbv	99
34) 2-Butanone	5.25	43	1807841	10.493	ppbv	99
35) Carbon Tetrachloride	7.03	117	3304042	10.510	ppbv	99
36) Benzene	6.90	78	3830056	9.398	ppbv	98
37) 1,2-Dichloroethane	6.32	62	2234143	11.057	ppbv	99
38) Trichloroethene	7.85	130	1625333	9.323	ppbv	97
39) 1,2-Dichloropropane	7.62	63	1464050	9.325	ppbv	96
40) 1,4-Dioxane	7.84	88	412751	11.134	ppbv #	100
41) Tetrahydrofuran	6.06	42	909042	9.264	ppbv	99
42) Bromodichloromethane	7.80	83	3206975	10.491	ppbv	100
43) Methyl Methacrylate	8.02	69	1424283	10.140	ppbv	99

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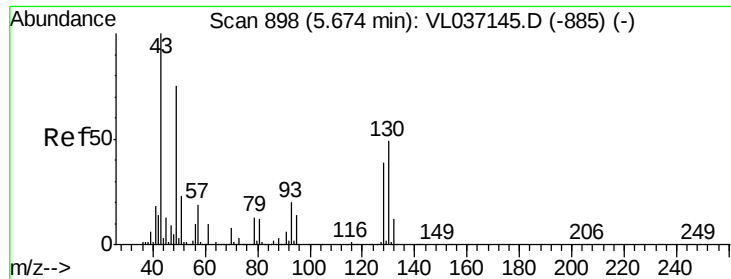
Manual Integrations
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Quant Time: Jun 14 14:06:35 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 2021
 QLast Update : Tue May 18 12:00:15 2021
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	6217148	8.892	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1439364	13.412	ppbv	96
46) cis-1,3-Dichloropropene	8.71	75	1775597	12.301	ppbv	98
47) 1,1,2-Trichloroethane	9.49	97	1634298	9.946	ppbv	99
48) Dibromochloromethane	10.32	129	2964242	11.141	ppbv	100
49) Bromoform	13.05	173	2489305	11.329	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2745668	9.658	ppbv	99
51) 2-Hexanone	10.15	43	1440741	9.586	ppbv #	98
52) Tetrachloroethene	11.23	164	1602582	9.889	ppbv	97
53) Toluene	9.82	91	4616566	9.520	ppbv	99
54) 1,2-Dibromoethane	10.62	107	2487999	10.650	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.14	131	2001881	10.748	ppbv #	58
57) Chlorobenzene	12.16	112	3535545	10.301	ppbv	99
58) Ethyl Benzene	12.72	91	6128664	9.810	ppbv	97
59) m/p-Xylene	13.01	91	10315321m	19.975	ppbv	
60) o-Xylene	13.70	91	4927411	10.004	ppbv	99
61) Styrene	13.54	104	2896457	10.439	ppbv	98
62) Isopropylbenzene	14.68	105	6878649	9.718	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.69	83	3339575	9.079	ppbv	99
64) n-propylbenzene	15.57	120	1873106	10.256	ppbv	99
65) tert-Butylbenzene	16.76	119	6246771	9.780	ppbv	99
66) Benzyl Chloride	17.00	91	340953	9.621	ppbv	100
67) sec-Butylbenzene	17.31	105	8308559	9.535	ppbv	99
69) p-Isopropyltoluene	17.66	119	7224678	9.643	ppbv	99
70) n-Butylbenzene	18.56	91	6840390	9.611	ppbv	99
71) 2-Chlorotoluene	15.46	91	5057414	9.892	ppbv	99
72) 4-Ethyltoluene	15.85	105	5928708	10.142	ppbv	98
73) 1,3,5-Trimethylbenzene	16.01	105	5409481	9.854	ppbv	98
74) 1,2,4-Trimethylbenzene	16.78	105	5617416	9.897	ppbv	98
75) 1,3-Dichlorobenzene	17.01	146	3528800	10.181	ppbv	100
76) 1,4-Dichlorobenzene	17.15	146	3494775	9.973	ppbv	97
77) 1,2-Dichlorobenzene	17.83	146	3400358	9.791	ppbv	100
78) Hexachloro-1,3-Butadiene	23.39	225	2191323	7.847	ppbv	100
79) Naphthalene	22.21	128	4380274	9.836	ppbv	99
80) Naphthalene, 2-methyl-	24.98	142	1377685	14.226	ppbv	96
81) 1,2,4-Trichlorobenzene	21.94	180	2495419	9.192	ppbv	98

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 898

Delta R.T. 0.03 min

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Acq: 14 Jun 2021 11:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 49 Resp: 1603845

Ion Ratio Lower Upper

49 100

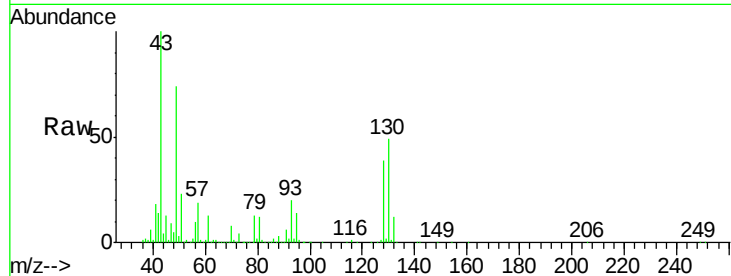
128 57.7 26.9 80.7

130 72.0 33.8 101.4

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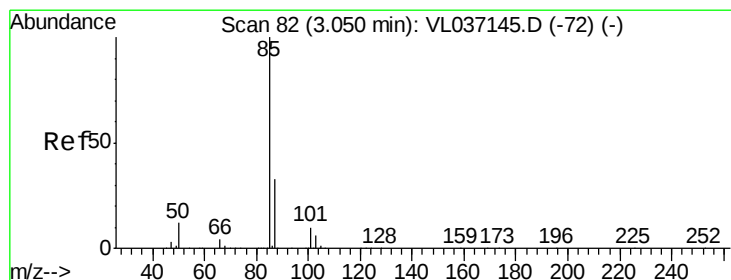
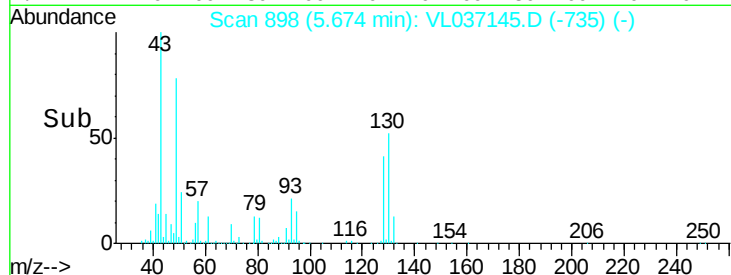
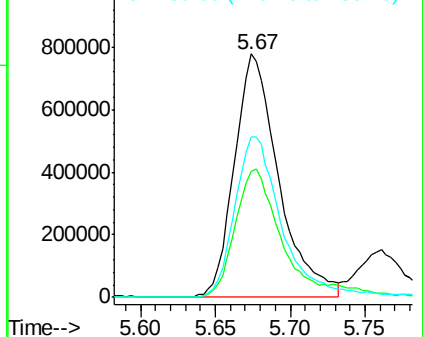
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 8.563 ppbv

RT: 3.05 min Scan# 82

Delta R.T. 0.02 min

Lab File: VL037145.D

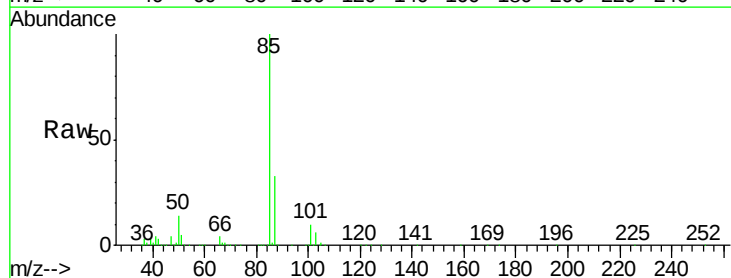
Acq: 14 Jun 2021 11:48

Tgt Ion: 85 Resp: 2329766

Ion Ratio Lower Upper

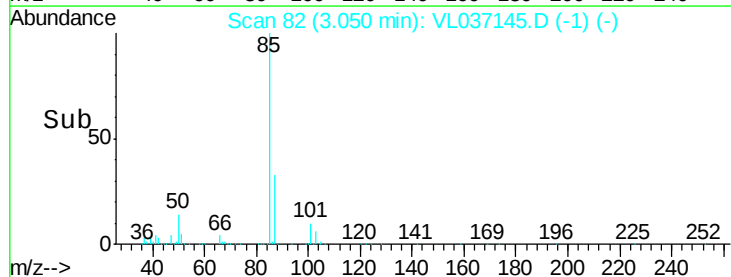
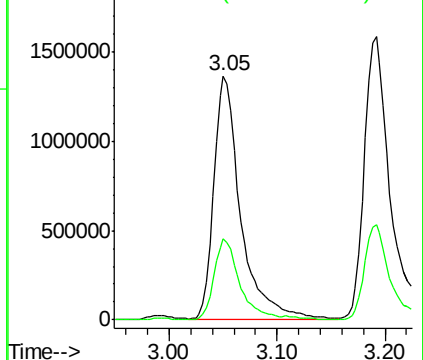
85 100

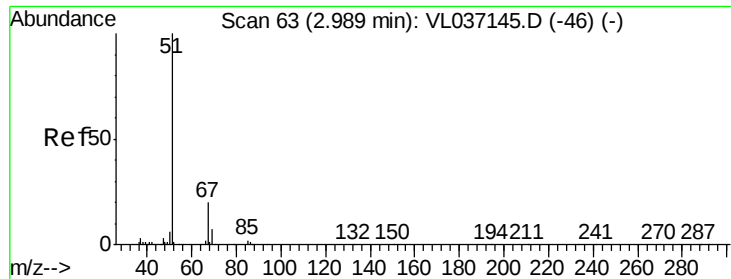
87 33.0 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.836 ppbv

RT: 2.99 min Scan# 63

Delta R.T. 0.01 min

Lab File: VL037145.D

Acq: 14 Jun 2021 11:48

Tot Ion: 51 Resp: 2890198

Ion Ratio Lower Upper

51 100

67 19.9 14.6 21.8

Instrument :

MSVOA_L

ClientSampleId :

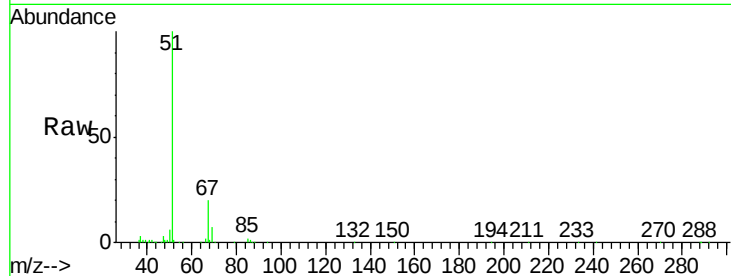
VSTDICCC010

Manual Integrations

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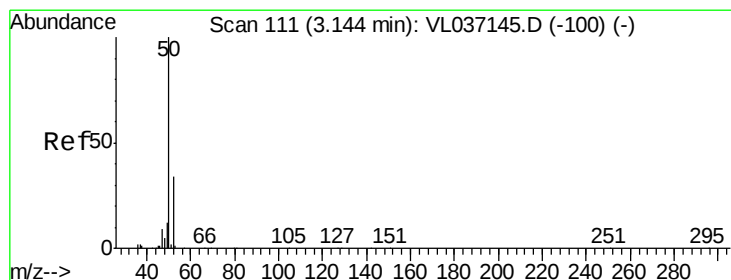
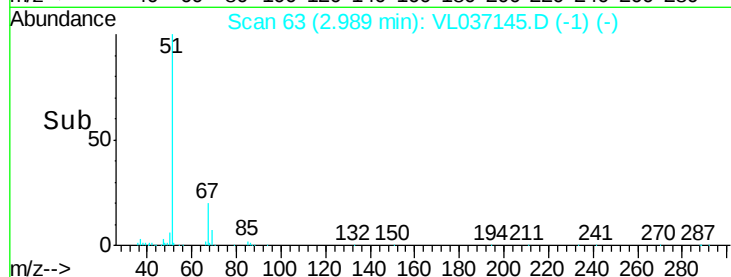
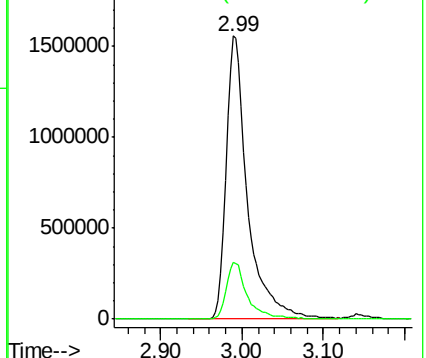
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 10.091 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.02 min

Lab File: VL037145.D

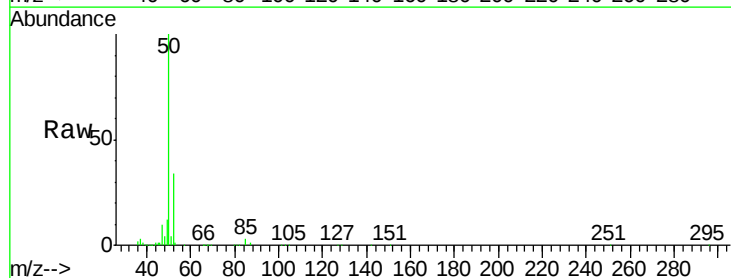
Acq: 14 Jun 2021 11:48

Tgt Ion: 50 Resp: 1008957

Ion Ratio Lower Upper

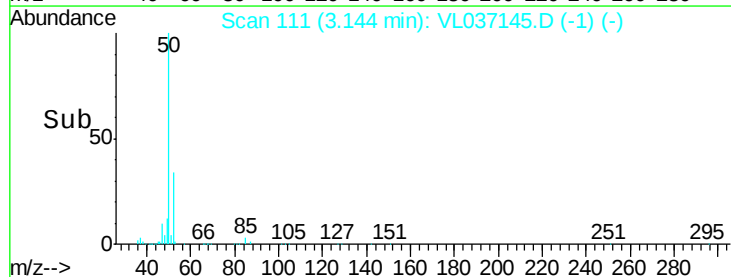
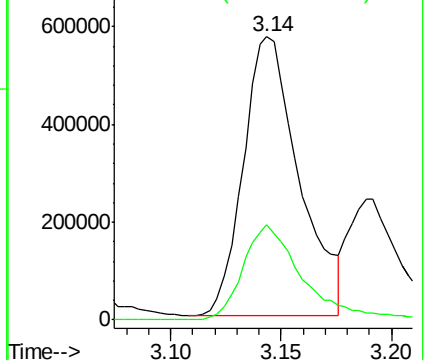
50 100

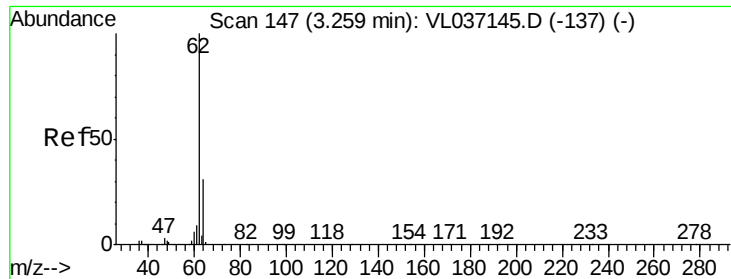
52 34.3 26.1 39.1



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.942 ppbv

RT: 3.26 min Scan# 147

Delta R.T. 0.02 min

Lab File: VL037145.D

Acq: 14 Jun 2021 11:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 62 Resp: 1086616

Ion Ratio Lower Upper

62 100

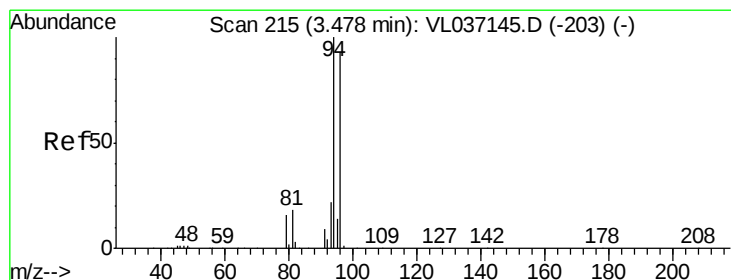
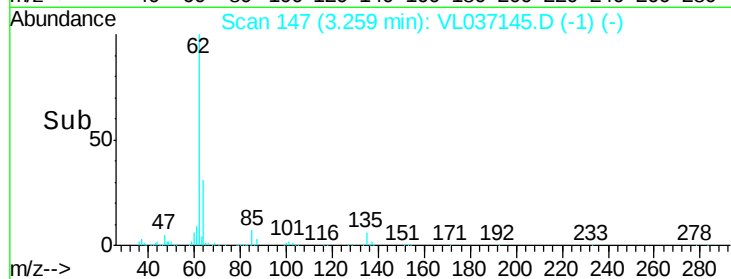
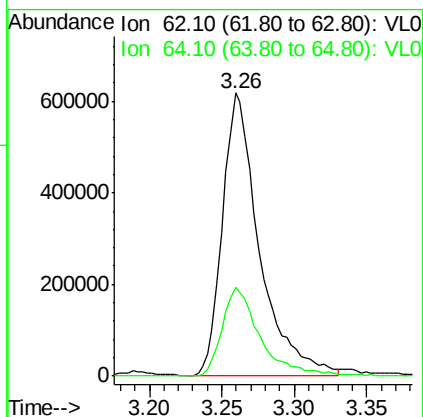
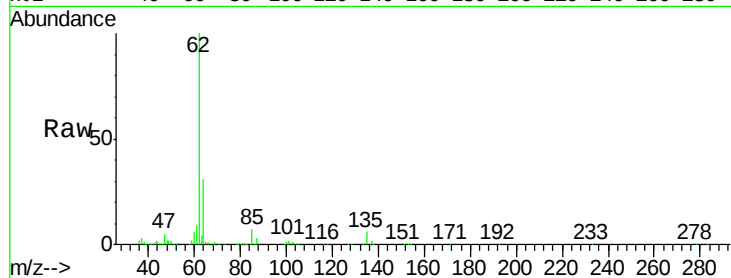
64 31.5 25.9 38.9

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#6

Bromomethane

Concen: 11.164 ppbv

RT: 3.48 min Scan# 215

Delta R.T. 0.02 min

Lab File: VL037145.D

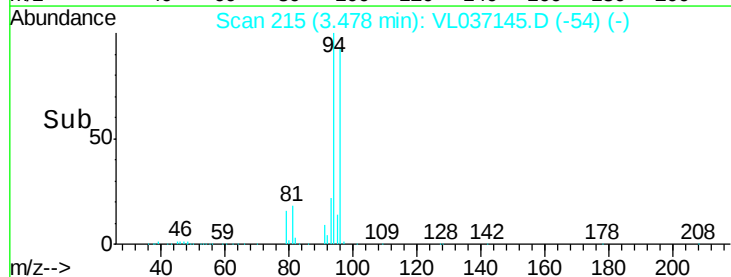
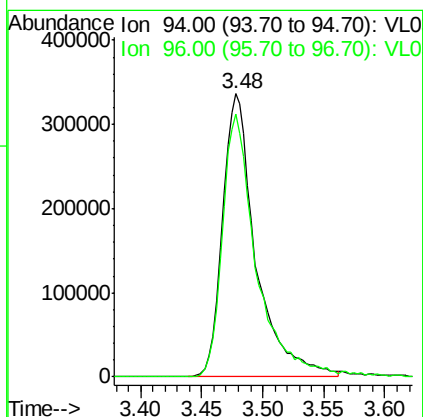
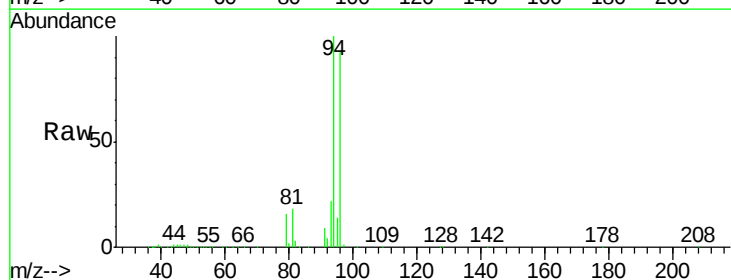
Acq: 14 Jun 2021 11:48

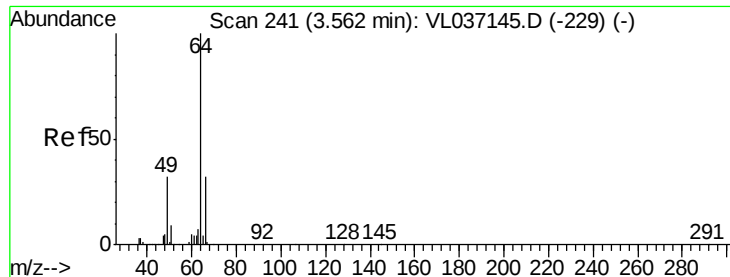
Tgt Ion: 94 Resp: 642905

Ion Ratio Lower Upper

94 100

96 92.7 74.0 111.0





#7

Chloroethane

Concen: 11.116 ppbv

RT: 3.56 min Scan# 241

Delta R.T. 0.02 min

Lab File: VL037145.D

Acq: 14 Jun 2021 11:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 64 Resp: 394462

Ion Ratio Lower Upper

64 100

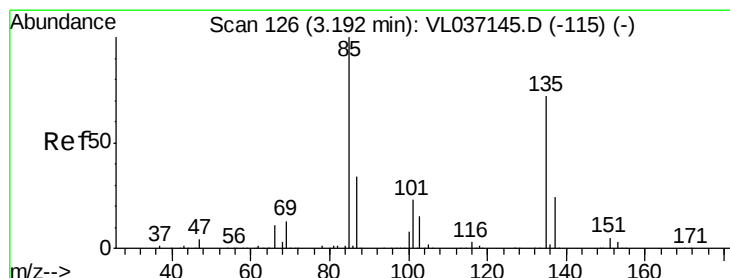
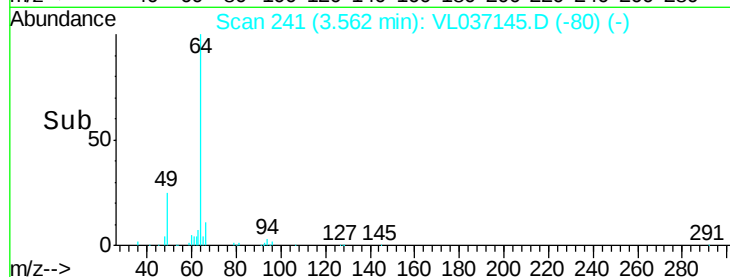
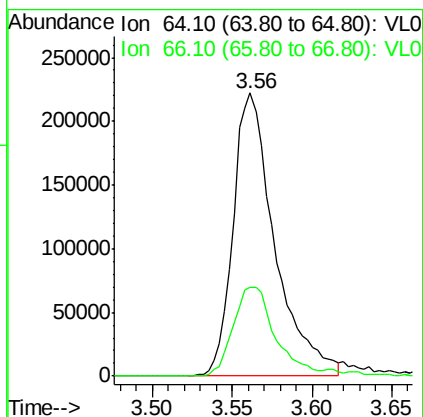
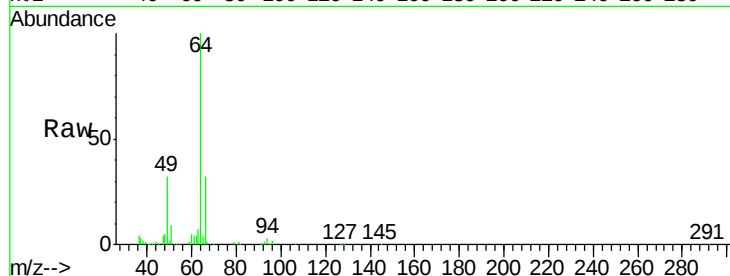
66 31.6 25.4 38.2

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 10.350 ppbv

RT: 3.19 min Scan# 126

Delta R.T. 0.02 min

Lab File: VL037145.D

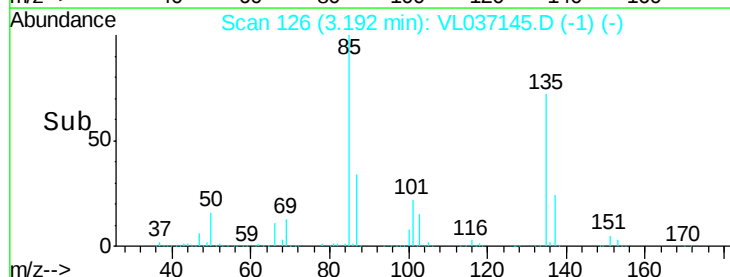
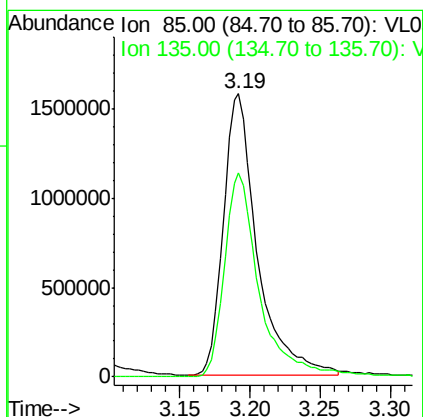
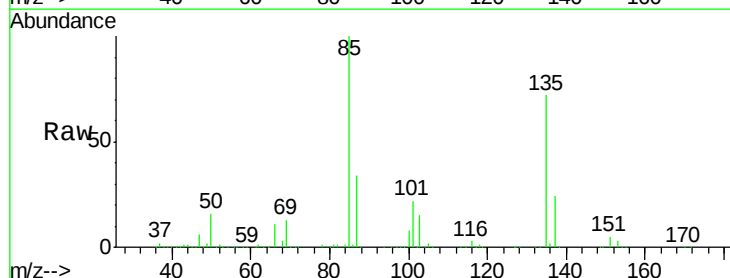
Acq: 14 Jun 2021 11:48

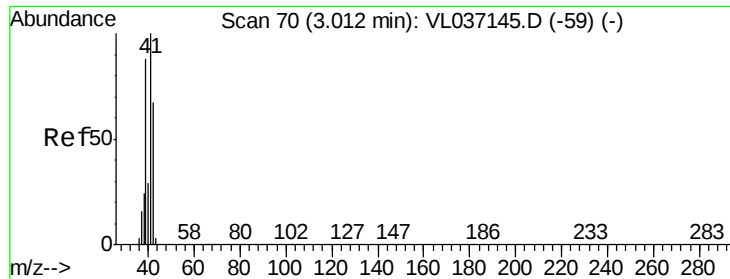
Tgt Ion: 85 Resp: 2644042

Ion Ratio Lower Upper

85 100

135 75.4 57.7 86.5





#9

Propene

Concen: 9.084 ppbv

RT: 3.01 min Scan# 70

Delta R.T. 0.02 min

Lab File: VL037145.D

Acq: 14 Jun 2021 11:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 41 Resp: 955731

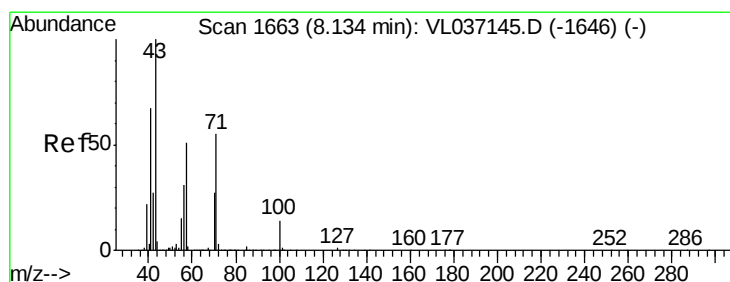
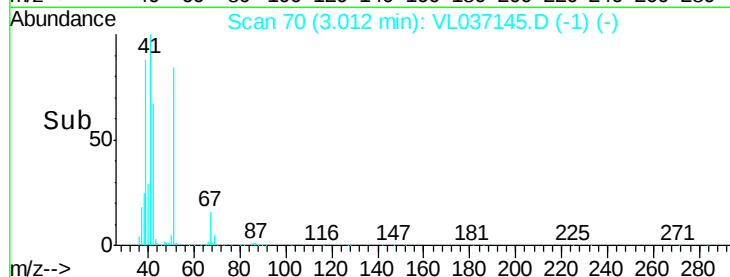
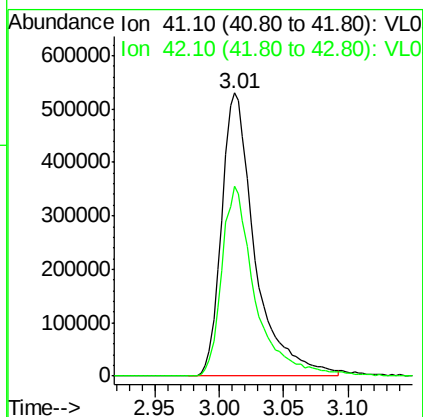
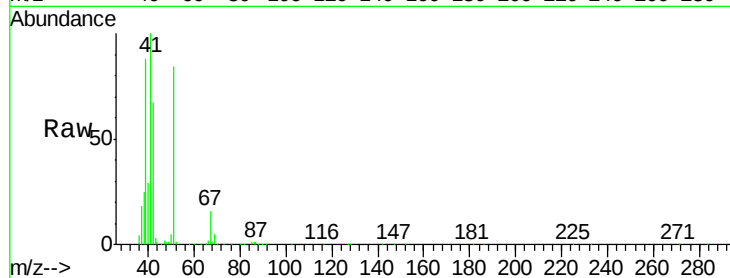
Ion Ratio Lower Upper

41 100

42 67.3 53.9 80.9

Manual Integrations
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#10

Heptane

Concen: 9.233 ppbv

RT: 8.13 min Scan# 1663

Delta R.T. 0.03 min

Lab File: VL037145.D

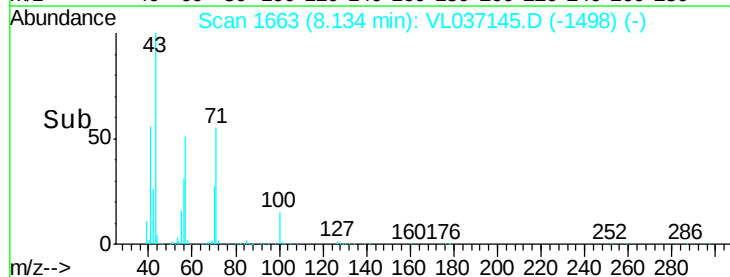
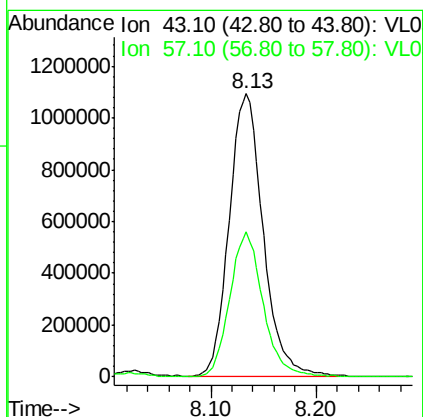
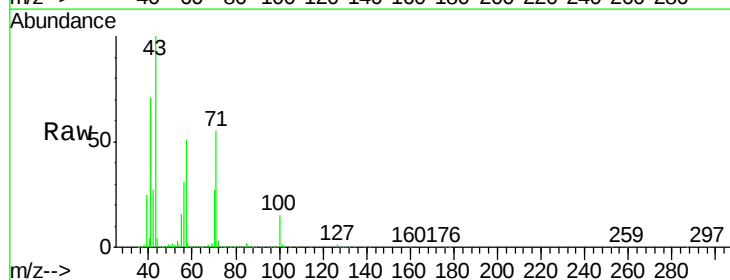
Acq: 14 Jun 2021 11:48

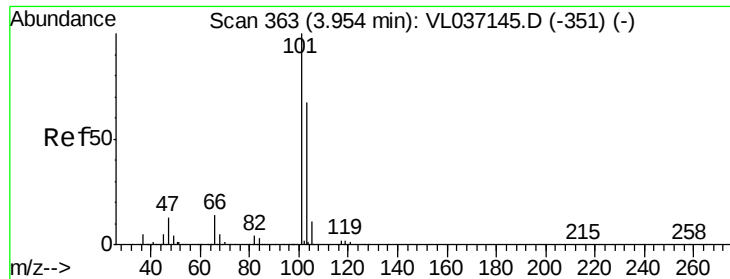
Tgt Ion: 43 Resp: 2420969

Ion Ratio Lower Upper

43 100

57 50.6 41.0 61.6





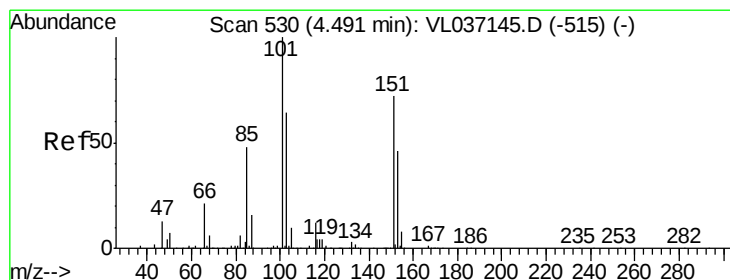
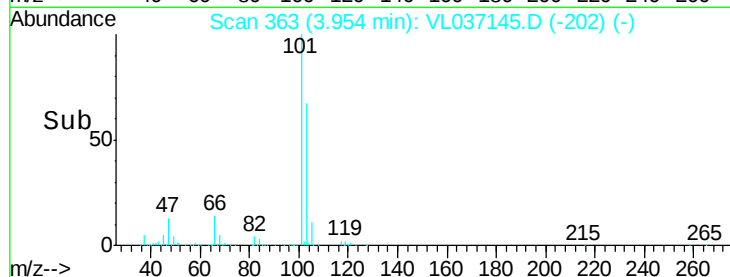
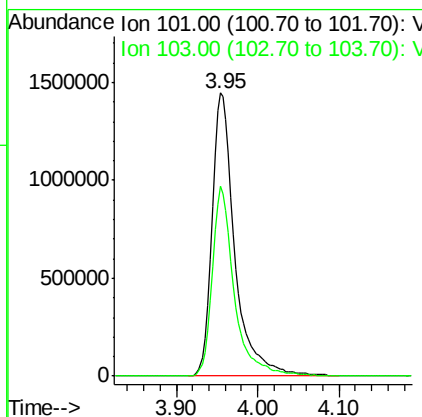
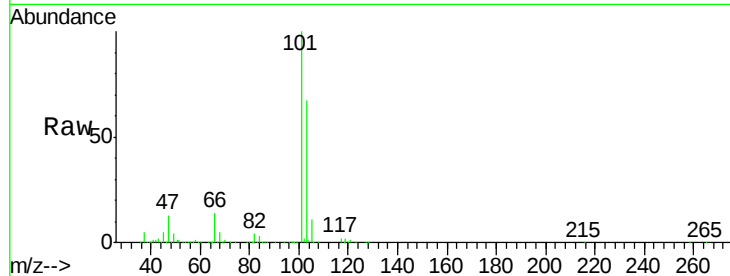
#11
 Trichlorofluoromethane
 Concen: 11.330 ppbv
 RT: 3.95 min Scan# 363
 Delta R.T. 0.02 min
 Lab File: VL037145.D
 Acq: 14 Jun 2021 11:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion:101 Resp: 2853421
 Ion Ratio Lower Upper
 101 100
 103 67.0 52.6 79.0

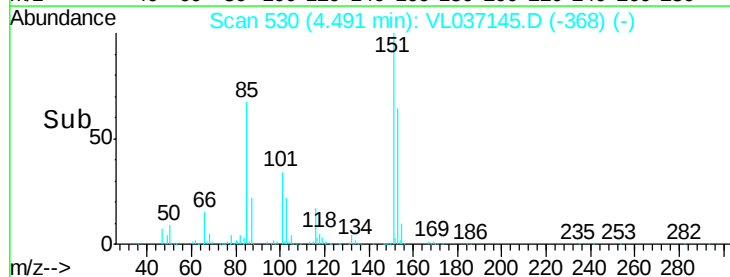
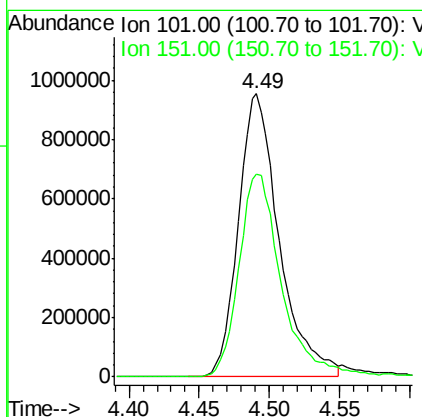
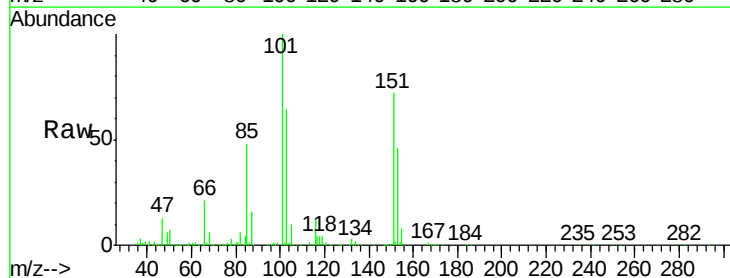
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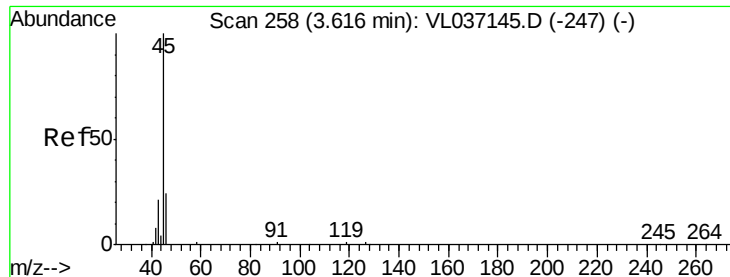
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.789 ppbv
 RT: 4.49 min Scan# 530
 Delta R.T. 0.02 min
 Lab File: VL037145.D
 Acq: 14 Jun 2021 11:48

Tgt Ion:101 Resp: 1935468
 Ion Ratio Lower Upper
 101 100
 151 75.6 57.7 86.5





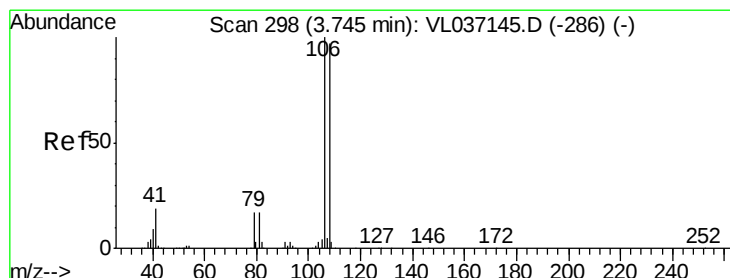
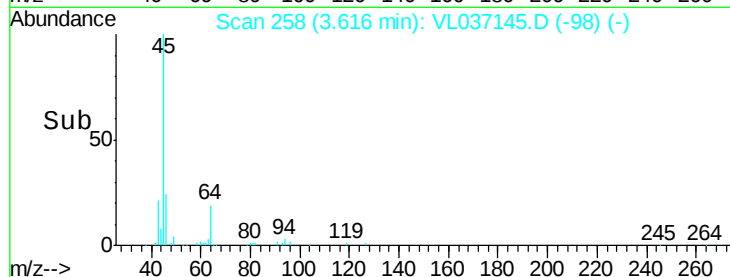
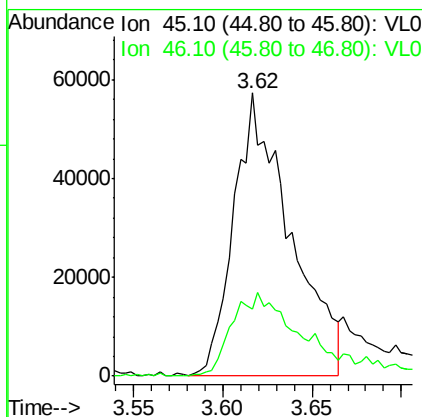
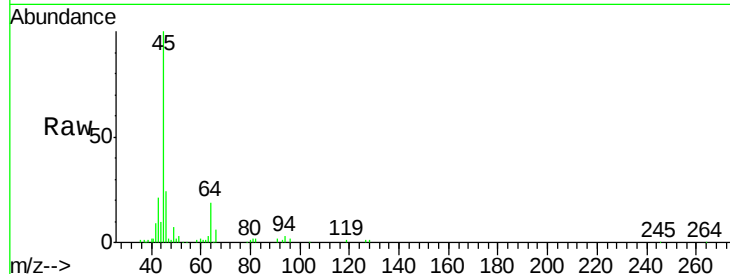
#13
Ethanol
Concen: 8.997 ppbv
RT: 3.62 min Scan# 258
Delta R.T. 0.02 min
Lab File: VL037145.D
Acq: 14 Jun 2021 11:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
45	100		
46	38.6	16.3	65.3

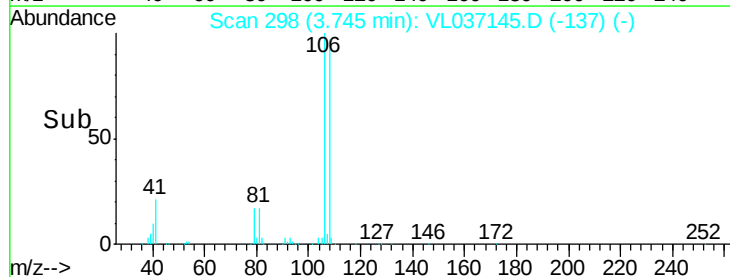
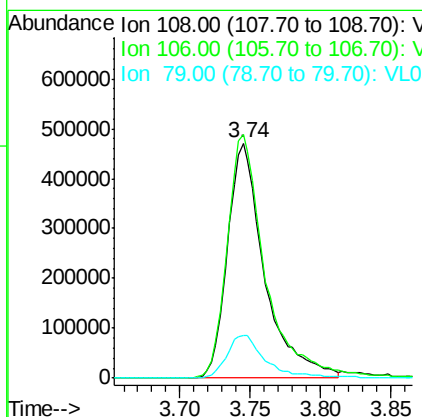
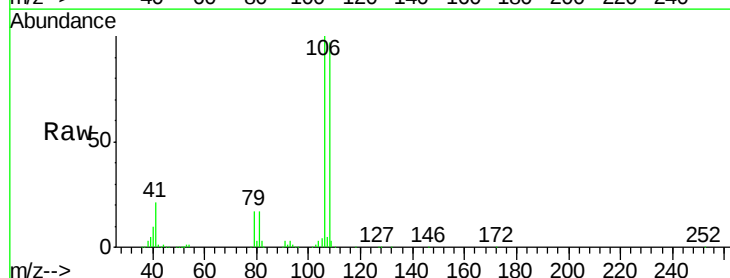
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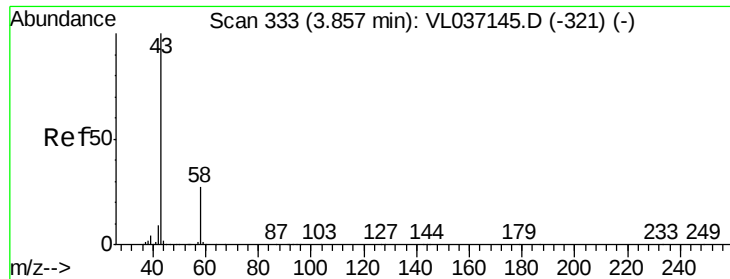
MMDadoda
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#14
Bromoethene
Concen: 10.982 ppbv
RT: 3.74 min Scan# 298
Delta R.T. 0.02 min
Lab File: VL037145.D
Acq: 14 Jun 2021 11:48

Tgt Ion	Ratio	Lower	Upper
108	100		
106	108.1	86.5	129.7
79	19.3	15.0	22.4





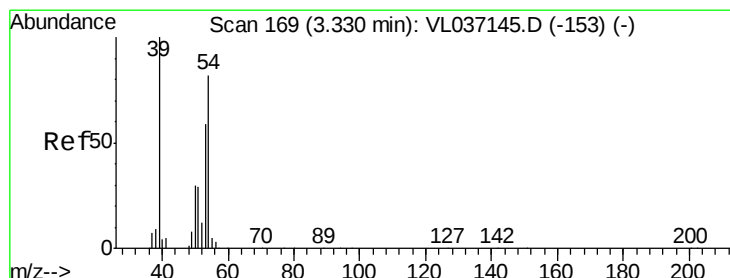
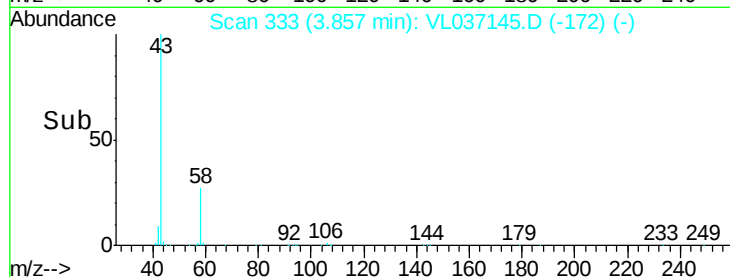
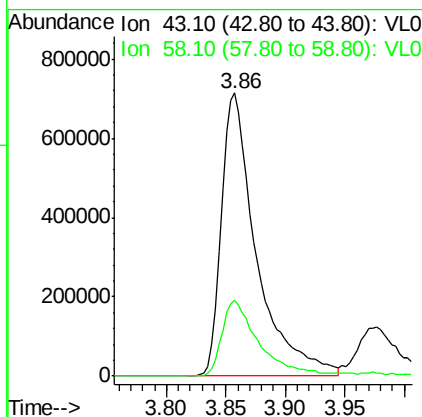
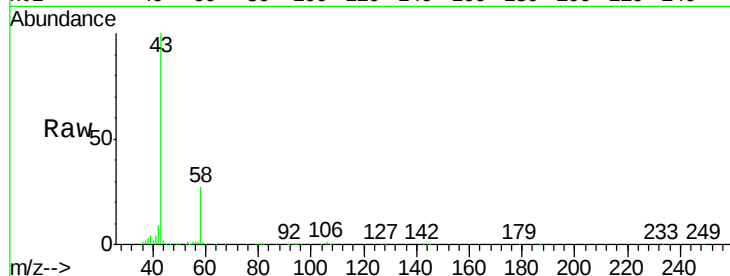
#15
Acetone
Concen: 8.883 ppbv
RT: 3.86 min Scan# 333
Delta R.T. 0.02 min
Lab File: VL037145.D
Acq: 14 Jun 2021 11:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 43 Resp: 1459232
Ion Ratio Lower Upper
43 100
58 28.8 24.0 36.0

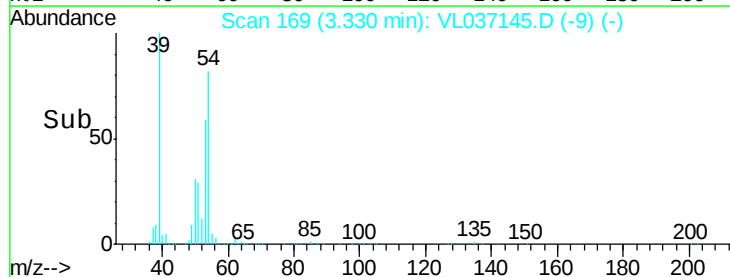
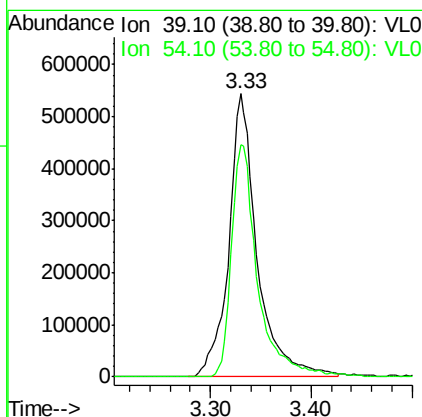
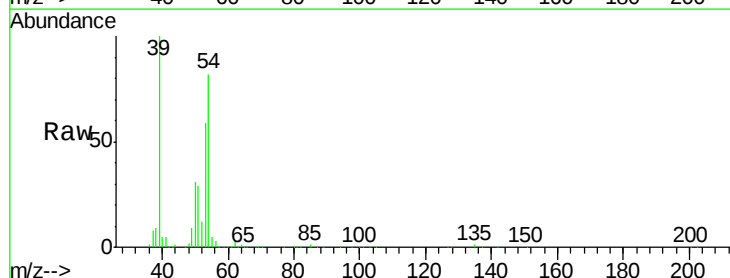
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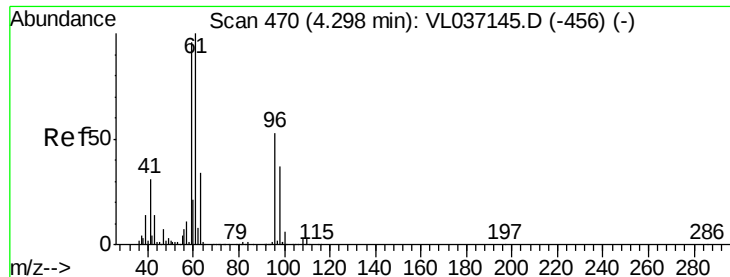
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#16
1,3-Butadiene
Concen: 10.397 ppbv
RT: 3.33 min Scan# 169
Delta R.T. 0.02 min
Lab File: VL037145.D
Acq: 14 Jun 2021 11:48

Tgt Ion: 39 Resp: 1061176
Ion Ratio Lower Upper
39 100
54 77.2 63.2 94.8





#17

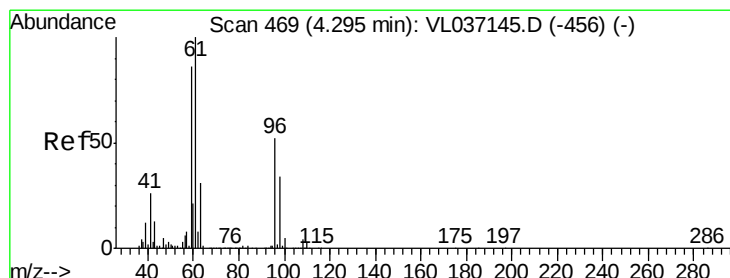
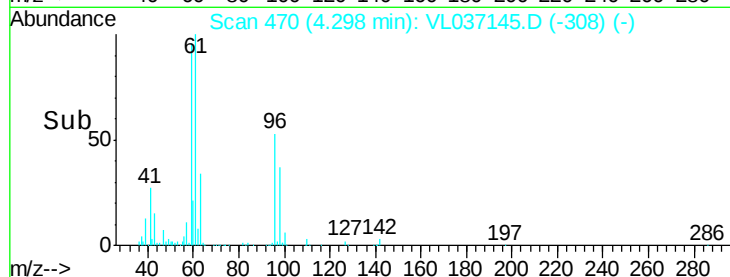
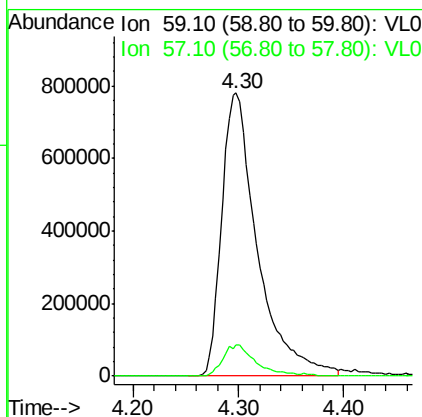
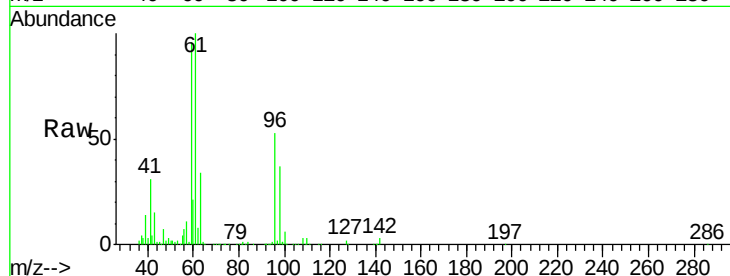
tert-Butyl alcohol
Concen: 12.215 ppbv
RT: 4.30 min Scan# 470
Delta R.T. 0.02 min
Lab File: VL037145.D
Acq: 14 Jun 2021 11:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 59 Resp: 1838053
Ion Ratio Lower Upper
59 100
57 11.0 8.3 12.5

Manual Integrations
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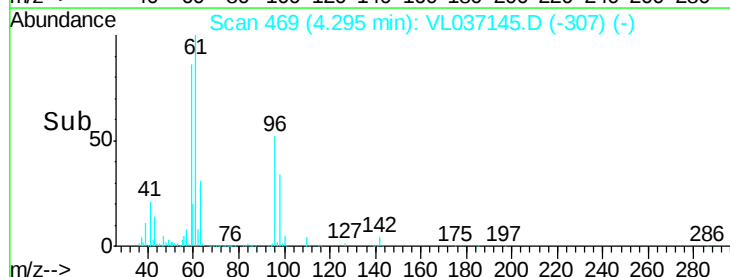
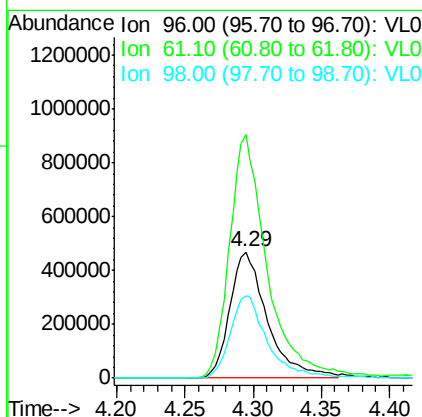
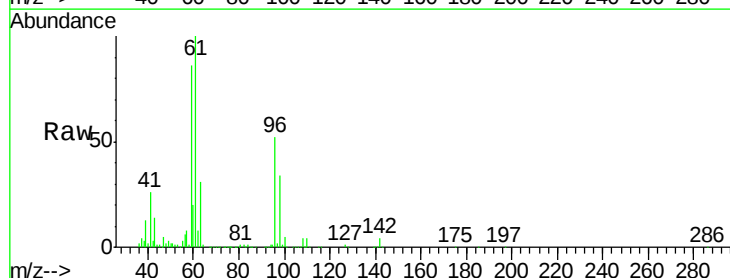
MMDadoda
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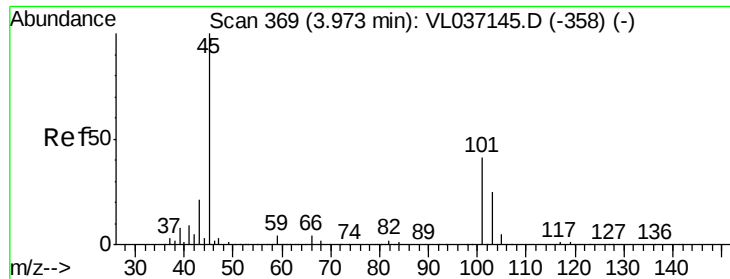


#18

1,1-Dichloroethene
Concen: 10.785 ppbv
RT: 4.29 min Scan# 469
Delta R.T. 0.02 min
Lab File: VL037145.D
Acq: 14 Jun 2021 11:48

Tgt Ion: 96 Resp: 894631
Ion Ratio Lower Upper
96 100
61 192.5 148.2 222.4
98 65.4 47.8 71.6





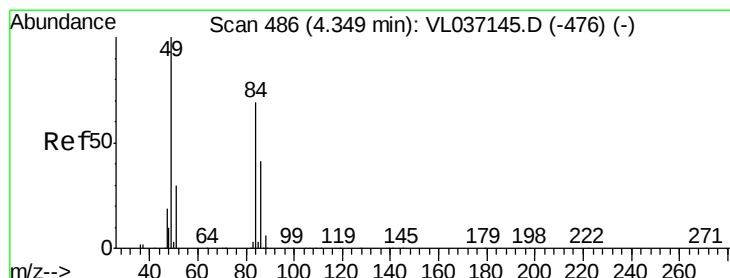
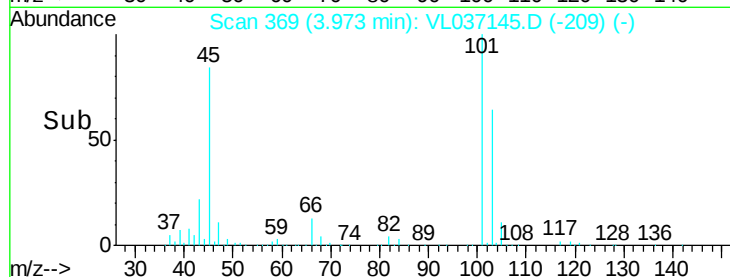
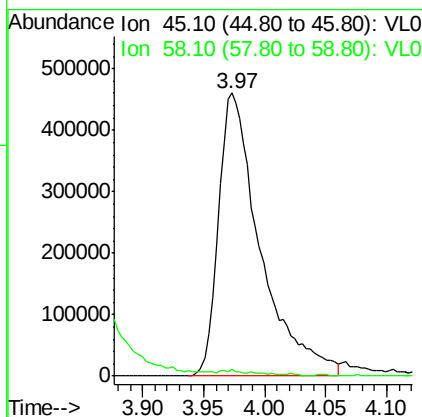
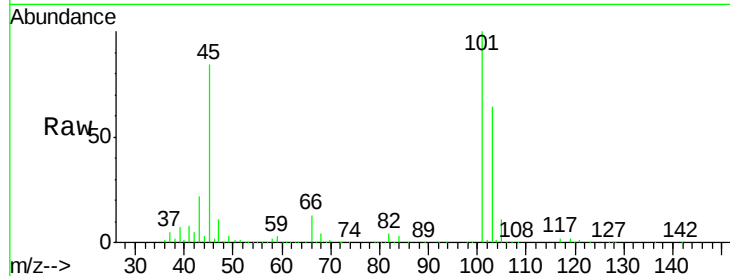
#19
Isopropyl Alcohol
Concen: 12.453 ppbv
RT: 3.97 min Scan# 369
Delta R.T. 0.02 min
Lab File: VL037145.D
Acq: 14 Jun 2021 11:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 45 Resp: 1099653
Ion Ratio Lower Upper
45 100
58 1.8 37.2 55.8#

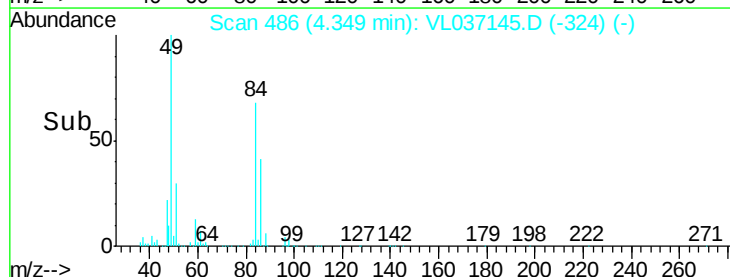
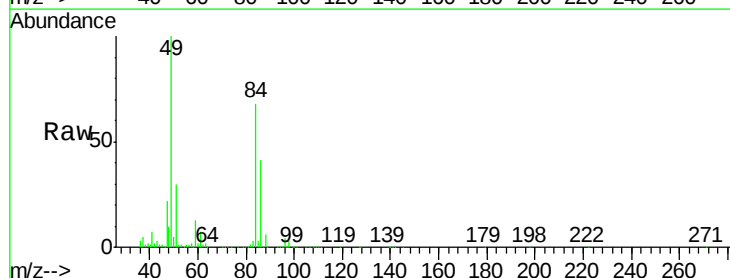
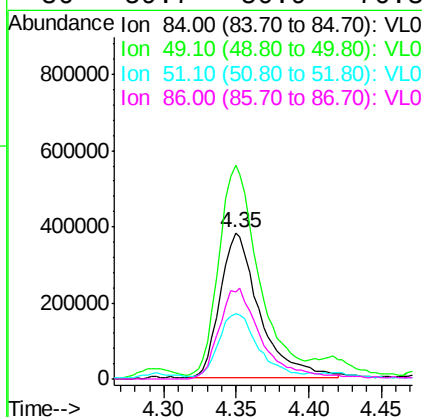
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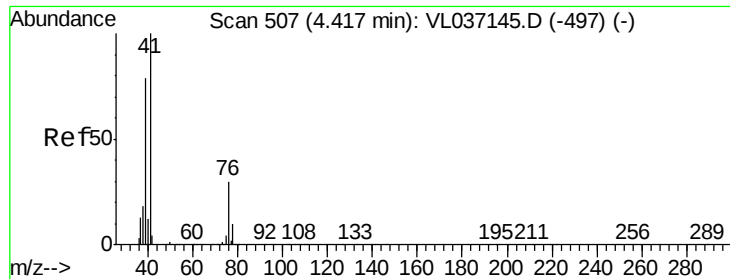
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#20
Methylene Chloride
Concen: 8.266 ppbv
RT: 4.35 min Scan# 486
Delta R.T. 0.02 min
Lab File: VL037145.D
Acq: 14 Jun 2021 11:48

Tgt Ion: 84 Resp: 727853
Ion Ratio Lower Upper
84 100
49 144.1 119.8 179.6
51 42.8 35.1 52.7
86 59.7 50.9 76.3





#21

Allvl Chloride

Concen: 10.568 ppbv

RT: 4.42 min Scan# 507

Delta R.T. 0.02 min

Lab File: VL037145.D

Acq: 14 Jun 2021 11:48

Instrument :

MSVOA_L

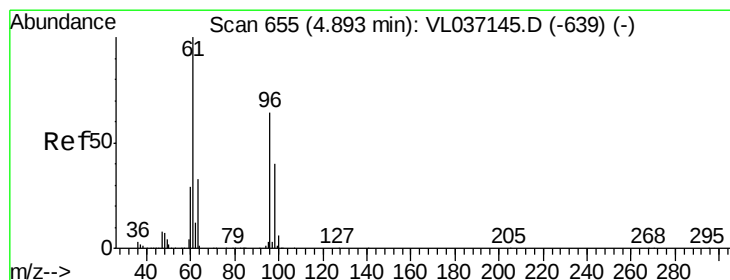
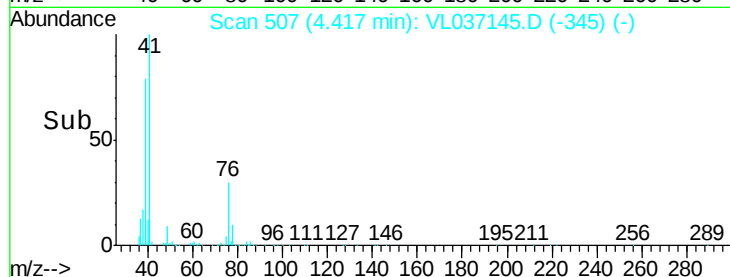
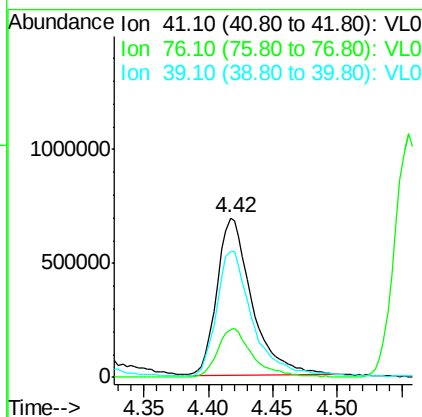
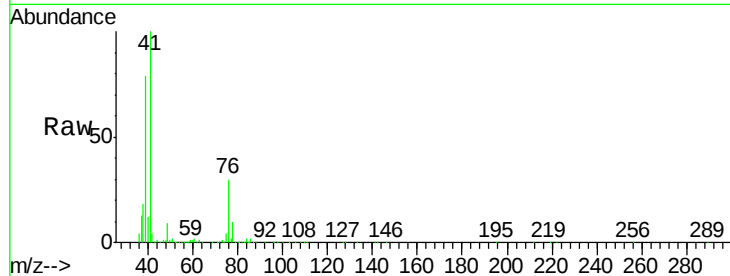
ClientSampleId :

VSTDICCC010

Tot Ion:	41	Resp:	1309719
Ion	Ratio	Lower	Upper
41	100		
76	31.5	24.9	37.3
39	82.7	63.7	95.5

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#22

trans-1,2-Dichloroethene

Concen: 11.499 ppbv

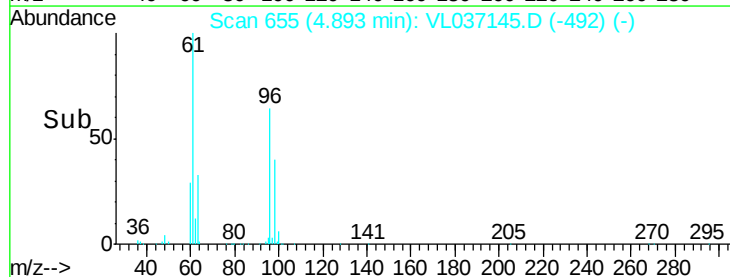
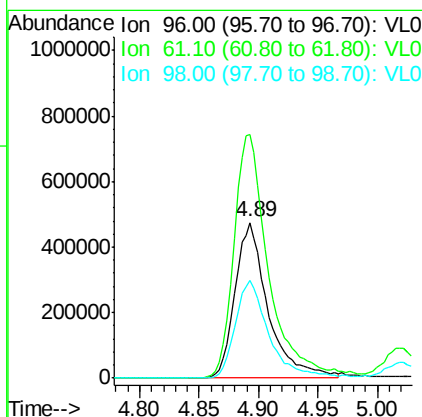
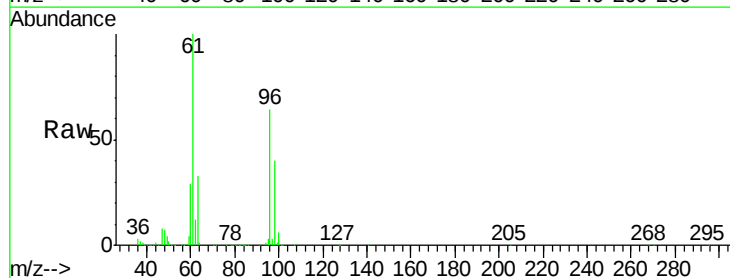
RT: 4.89 min Scan# 655

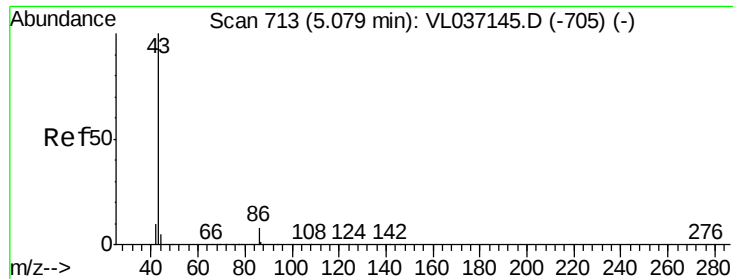
Delta R.T. 0.03 min

Lab File: VL037145.D

Acq: 14 Jun 2021 11:48

Tgt Ion:	96	Resp:	914127
Ion	Ratio	Lower	Upper
96	100		
61	156.6	130.6	196.0
98	62.9	50.8	76.2





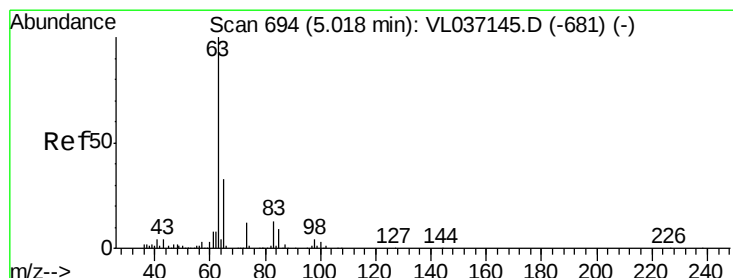
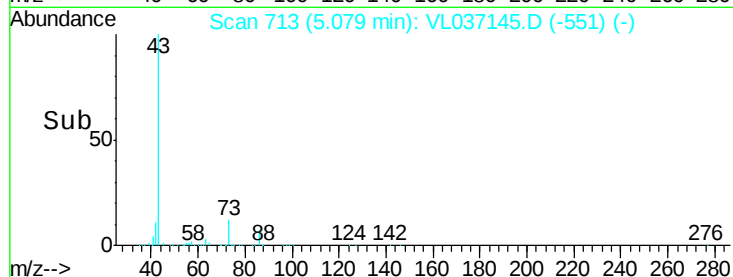
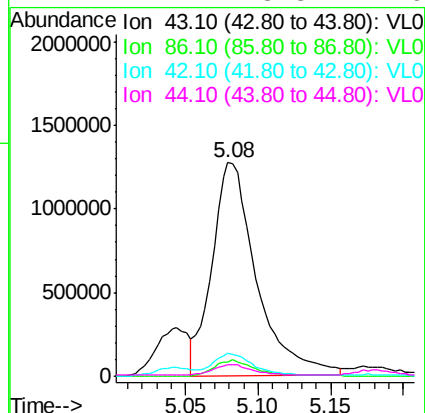
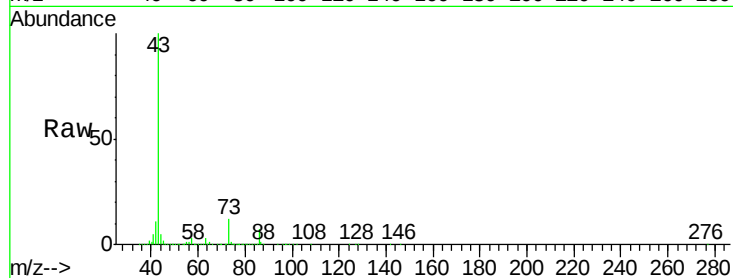
#23
 Vinyl Acetate
 Concen: 10.393 ppbv
 RT: 5.08 min Scan# 713
 Delta R.T. 0.02 min
 Lab File: VL037145.D
 Acq: 14 Jun 2021 11:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	43	Resp	2710032
Ion	Ratio	Lower	Upper
43	100		
86	6.8	5.8	8.8
42	10.7	7.4	11.2
44	4.7	3.3	4.9

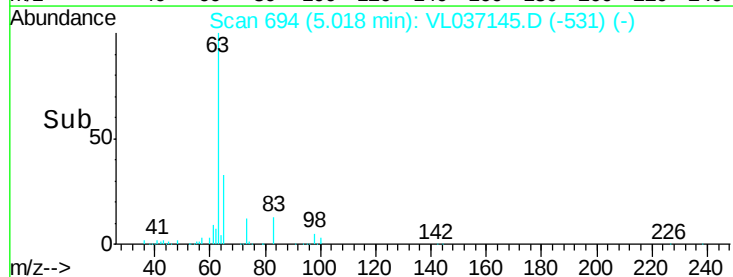
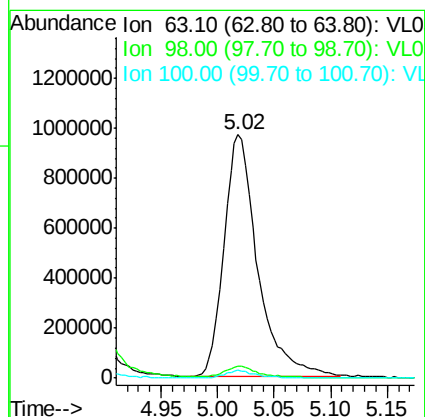
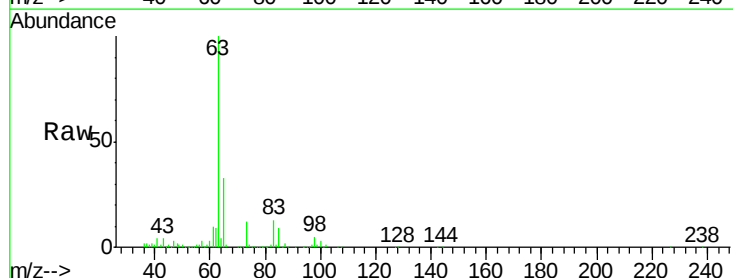
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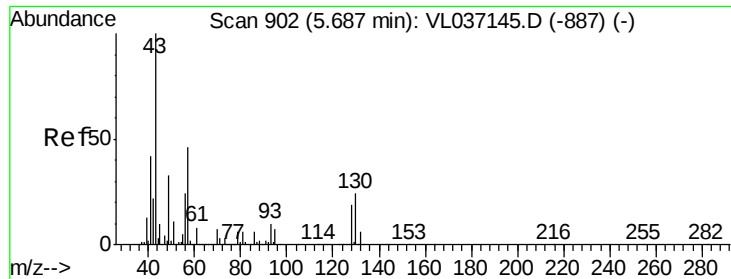
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#24
 1,1-Dichloroethane
 Concen: 10.733 ppbv
 RT: 5.02 min Scan# 694
 Delta R.T. 0.03 min
 Lab File: VL037145.D
 Acq: 14 Jun 2021 11:48

Tgt Ion	63	Resp	2014433
Ion	Ratio	Lower	Upper
63	100		
98	4.7	2.3	6.9
100	3.2	1.4	4.0





#25

Ethyl Acetate

Concen: 9.500 ppbv

RT: 5.69 min Scan# 902

Delta R.T. 0.03 min

Lab File: VL037145.D

Acq: 14 Jun 2021 11:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 43 Resp: 3750010

Ion Ratio Lower Upper

43 100

45 9.8 7.8 11.8

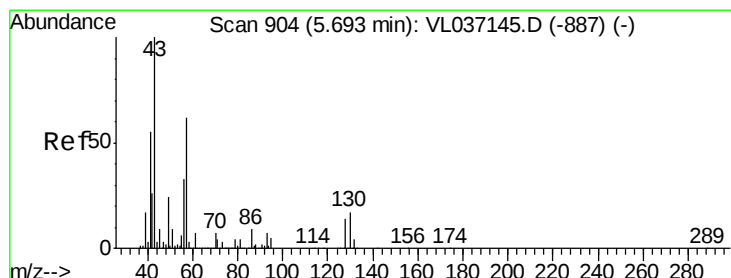
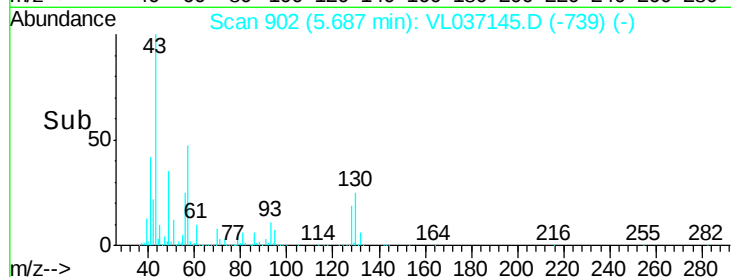
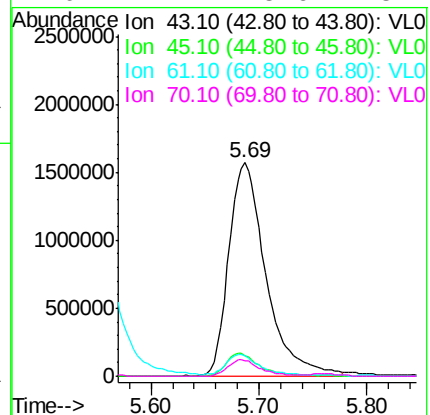
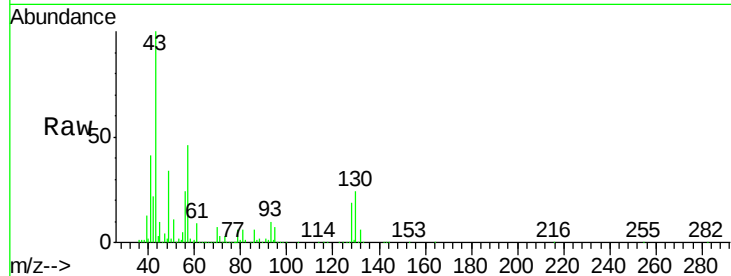
61 9.4 7.8 11.8

70 7.1 5.6 8.4

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#26

Hexane

Concen: 8.971 ppbv

RT: 5.69 min Scan# 904

Delta R.T. 0.03 min

Lab File: VL037145.D

Acq: 14 Jun 2021 11:48

Tgt Ion: 57 Resp: 1809081

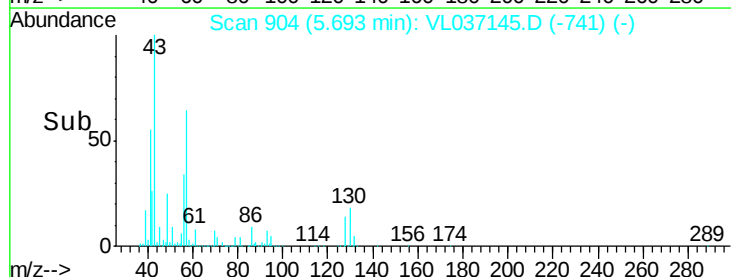
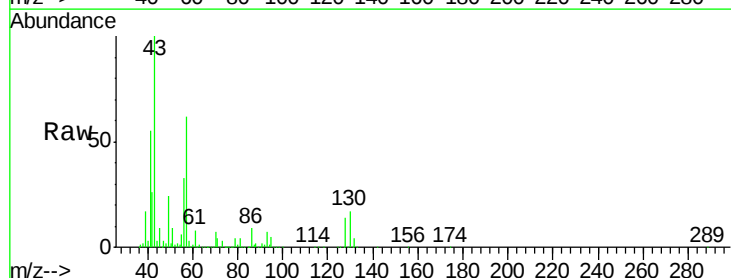
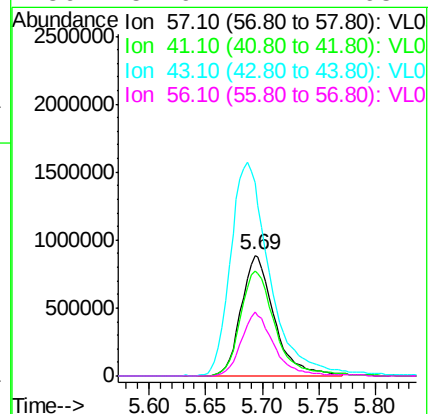
Ion Ratio Lower Upper

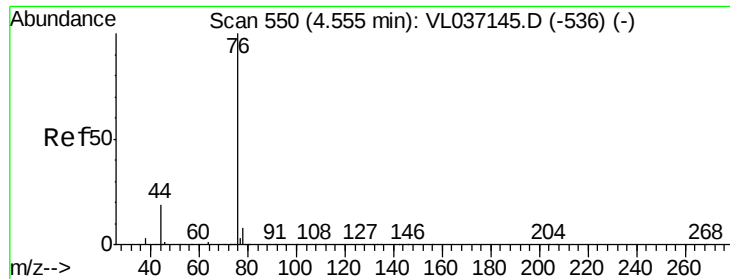
57 100

41 92.0 70.5 105.7

43 211.0 165.8 248.8

56 52.9 42.2 63.4





#27

Carbon Disulfide

Concen: 10.476 ppbv

RT: 4.56 min Scan# 550

Delta R.T. 0.02 min

Lab File: VL037145.D

Acq: 14 Jun 2021 11:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 76 Resp: 2129234

Ion Ratio Lower Upper

76 100

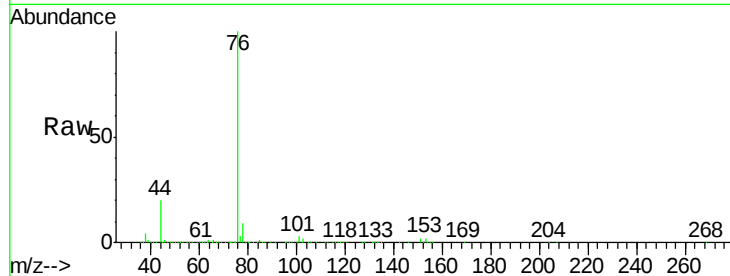
44 19.5 15.5 23.3

78 9.5 7.8 11.6

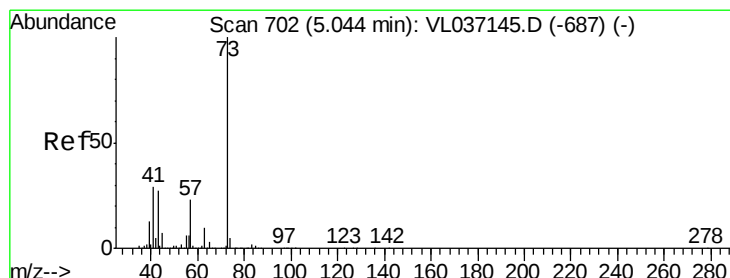
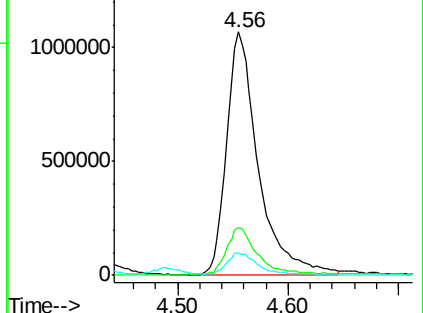
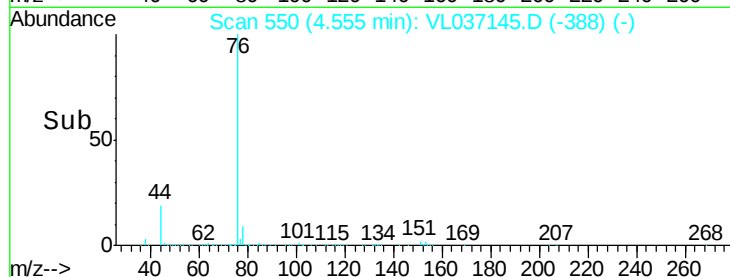
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Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 9.841 ppbv

RT: 5.04 min Scan# 702

Delta R.T. 0.03 min

Lab File: VL037145.D

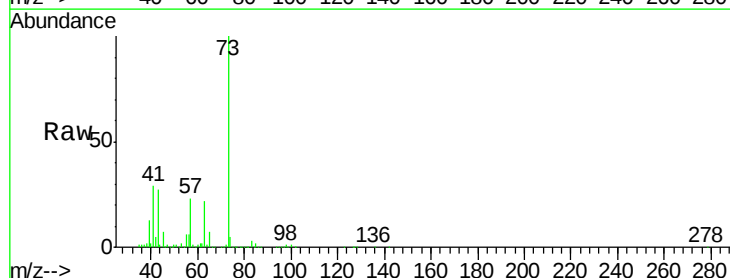
Acq: 14 Jun 2021 11:48

Tgt Ion: 73 Resp: 2378876

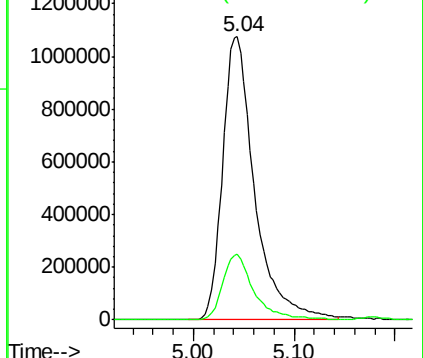
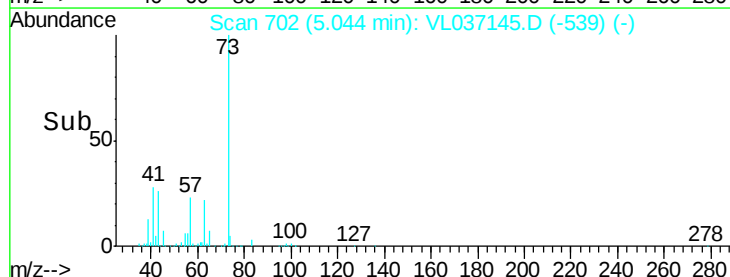
Ion Ratio Lower Upper

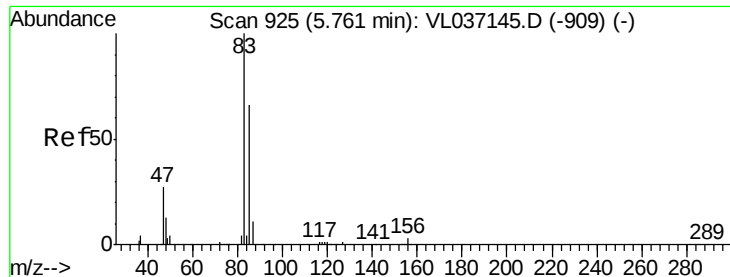
73 100

57 22.8 18.3 27.5



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





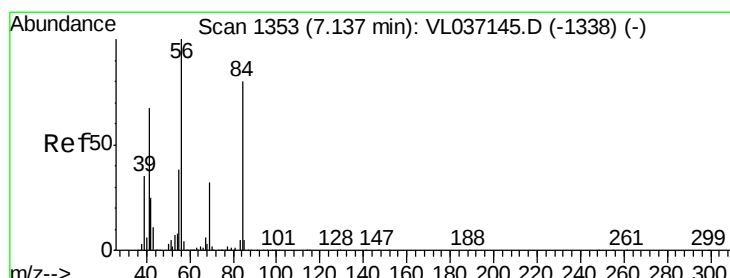
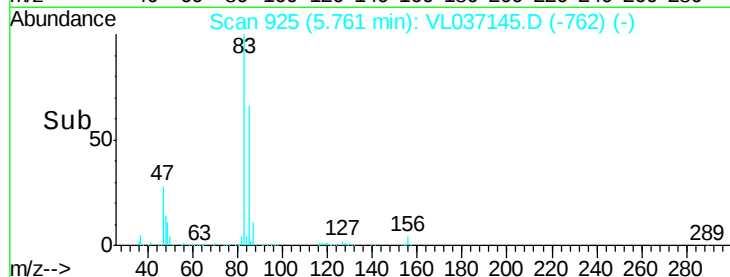
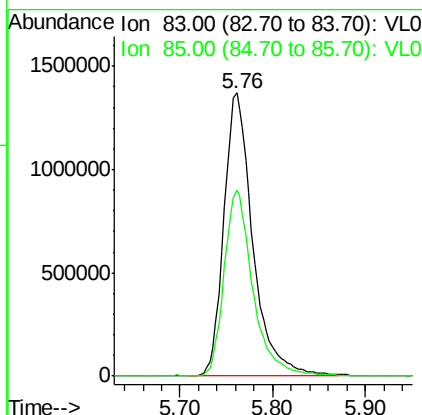
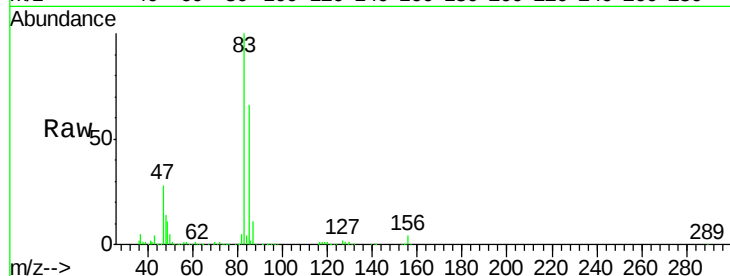
#29
Chloroform
Concen: 10.425 ppbv
RT: 5.76 min Scan# 925
Delta R.T. 0.03 min
Lab File: VL037145.D
Acq: 14 Jun 2021 11:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 83 Resp: 2970016
Ion Ratio Lower Upper
83 100
85 65.7 51.1 76.7

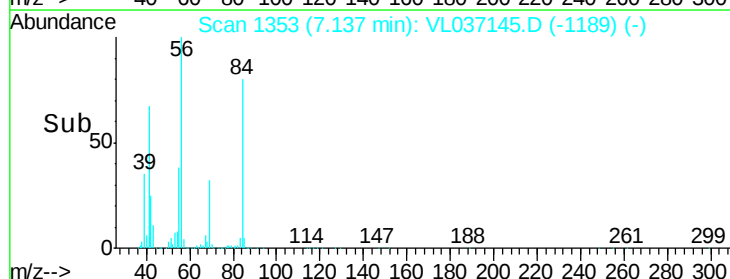
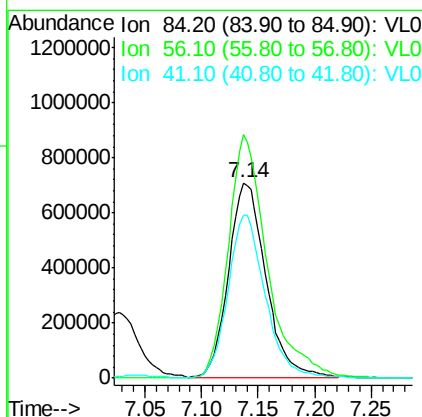
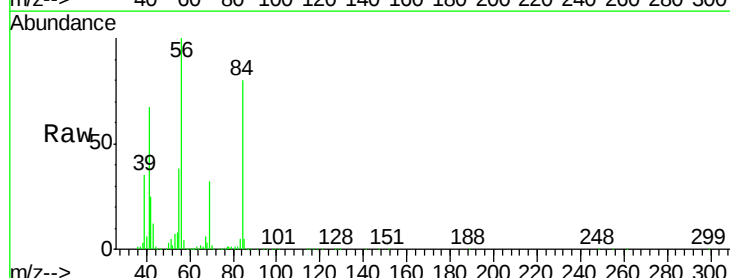
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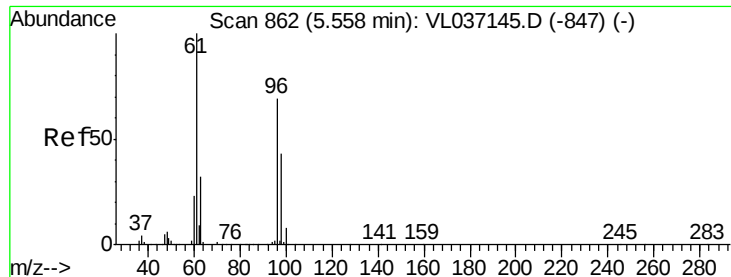
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#30
Cyclohexane
Concen: 9.567 ppbv
RT: 7.14 min Scan# 1353
Delta R.T. 0.03 min
Lab File: VL037145.D
Acq: 14 Jun 2021 11:48

Tgt Ion: 84 Resp: 1639553
Ion Ratio Lower Upper
84 100
56 129.9 107.9 161.9
41 83.1 65.5 98.3





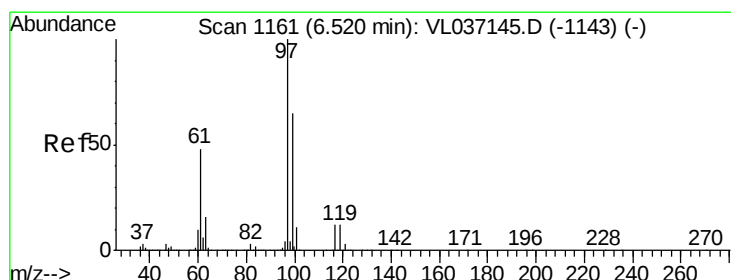
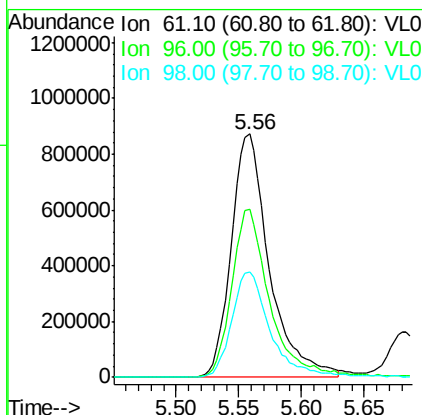
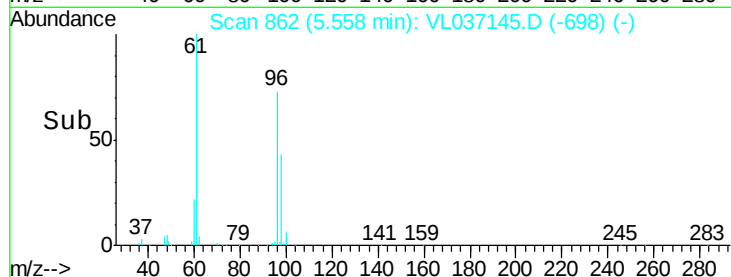
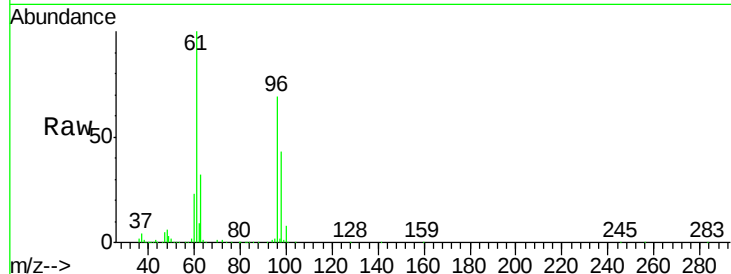
#31
 cis-1,2-Dichloroethene
 Concen: 10.121 ppbv
 RT: 5.56 min Scan# 862
 Delta R.T. 0.03 min
 Lab File: VL037145.D
 Acq: 14 Jun 2021 11:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
61	100		
96	69.1	55.9	83.9
98	43.4	35.6	53.4

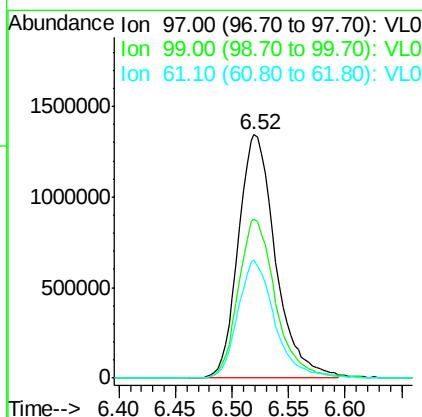
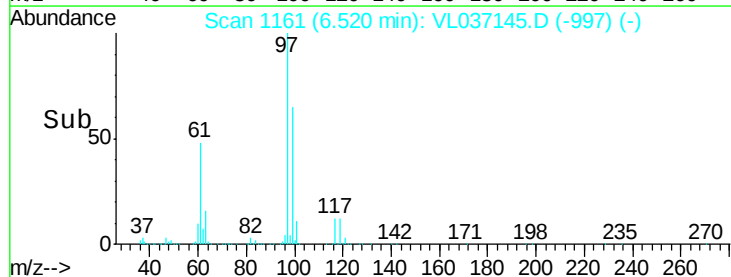
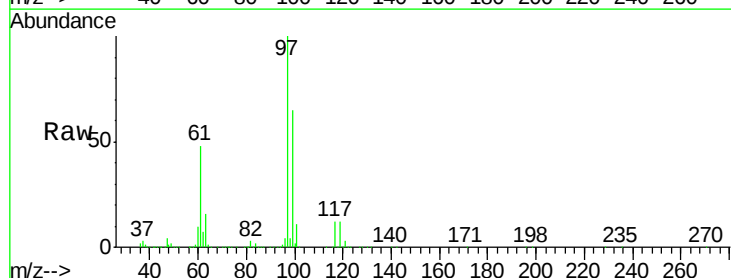
Manual Integrations
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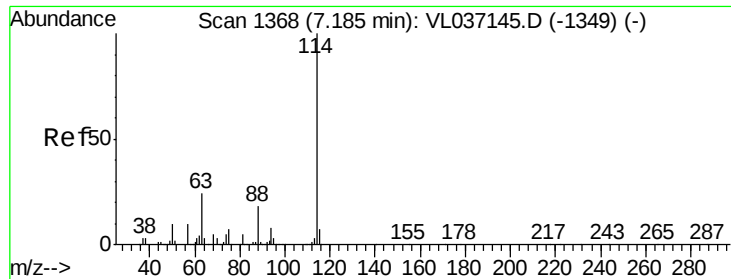
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#32
 1,1,1-Trichloroethane
 Concen: 10.083 ppbv
 RT: 6.52 min Scan# 1161
 Delta R.T. 0.03 min
 Lab File: VL037145.D
 Acq: 14 Jun 2021 11:48

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.5	51.9	77.9
61	48.1	37.6	56.4





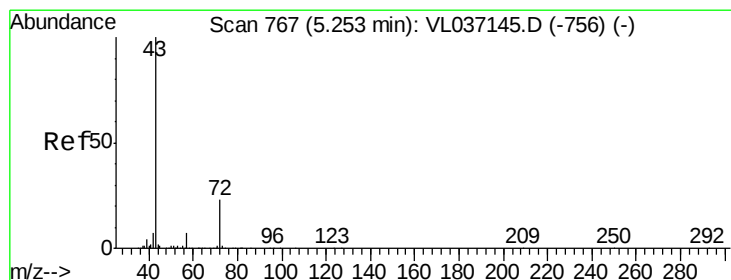
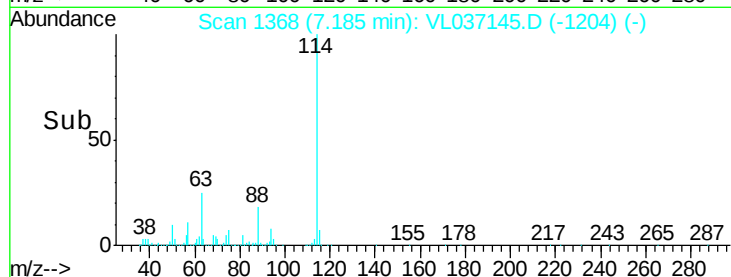
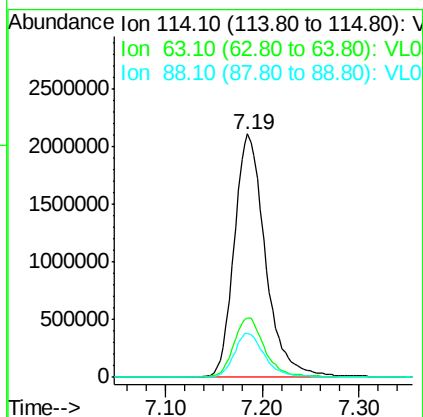
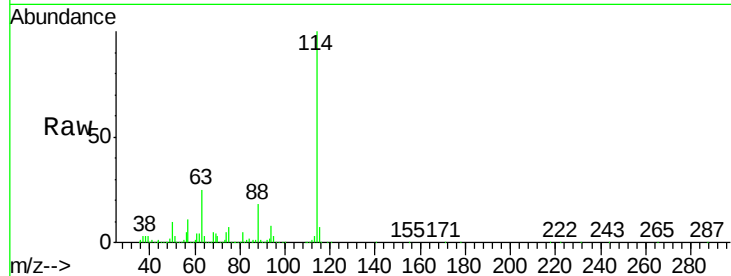
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1368
 Delta R.T. 0.03 min
 Lab File: VL037145.D
 Acq: 14 Jun 2021 11:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.7	19.6	29.4
88	17.9	14.6	21.8

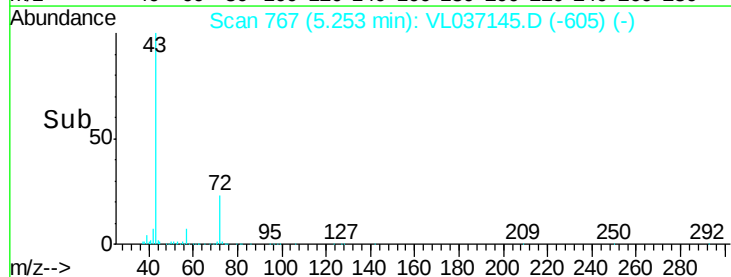
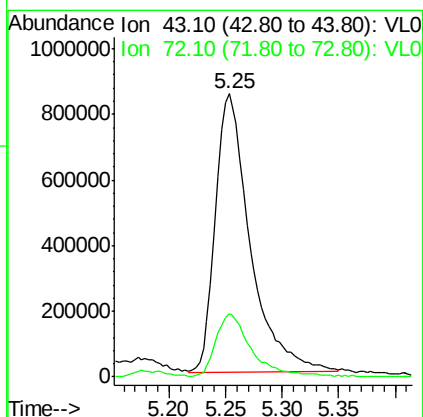
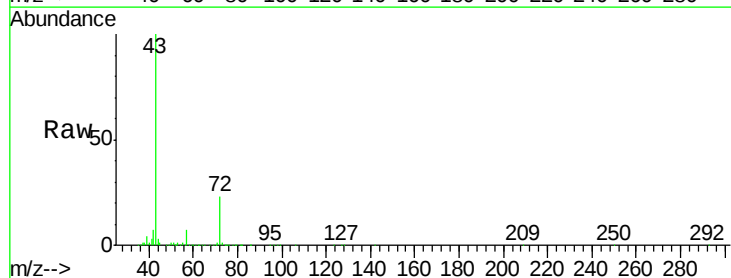
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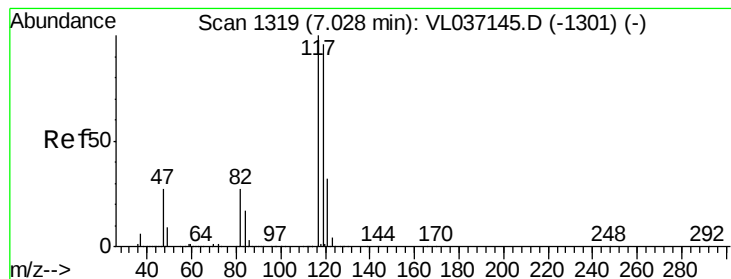
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#34
 2-Butanone
 Concen: 10.493 ppbv
 RT: 5.25 min Scan# 767
 Delta R.T. 0.02 min
 Lab File: VL037145.D
 Acq: 14 Jun 2021 11:48

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.3	19.0	28.4





#35

Carbon Tetrachloride

Concen: 10.510 ppbv

RT: 7.03 min Scan# 1319

Delta R.T. 0.03 min

Lab File: VL037145.D

Acq: 14 Jun 2021 11:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:117 Resp: 3304042

Ion Ratio Lower Upper

117 100

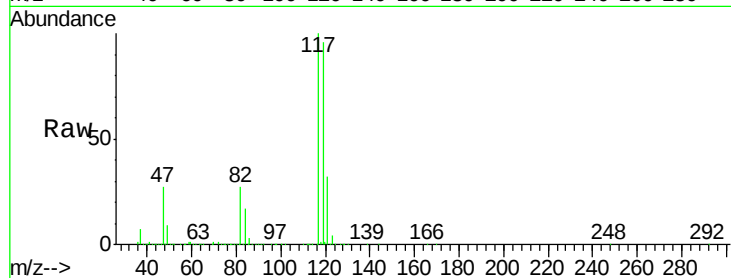
119 96.2 76.6 114.8

121 31.7 25.8 38.6

Manual Integrations
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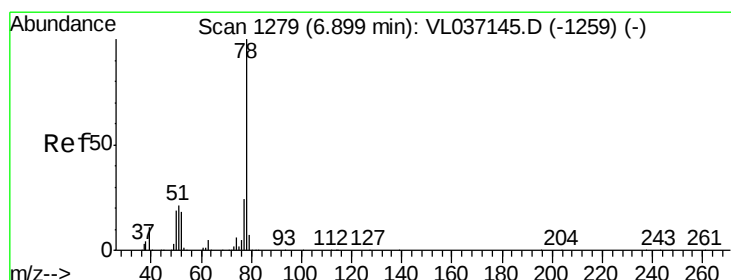
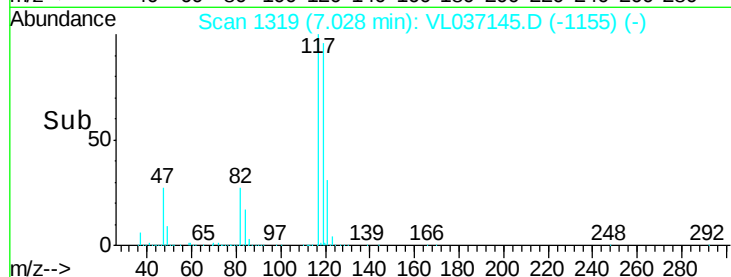
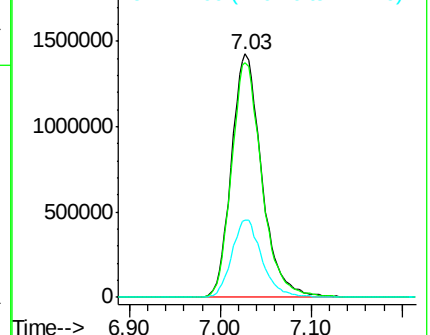
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.398 ppbv

RT: 6.90 min Scan# 1279

Delta R.T. 0.03 min

Lab File: VL037145.D

Acq: 14 Jun 2021 11:48

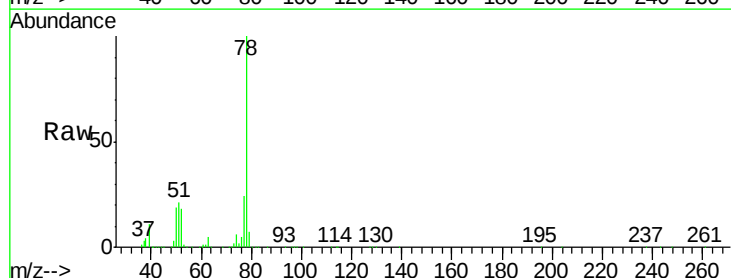
Tgt Ion: 78 Resp: 3830056

Ion Ratio Lower Upper

78 100

77 24.4 18.6 28.0

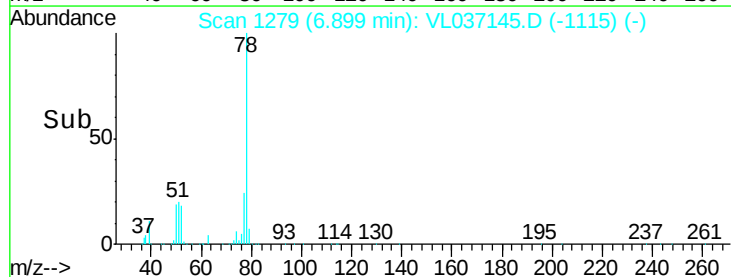
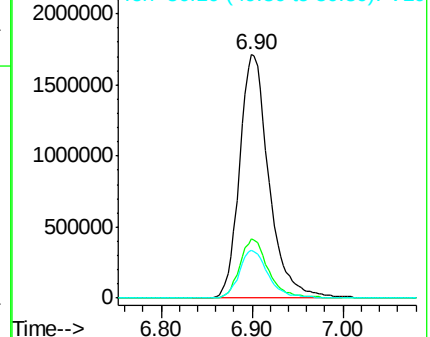
50 19.4 15.0 22.4

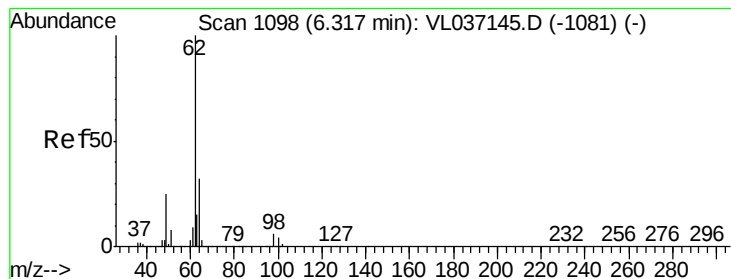


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 11.057 ppbv

RT: 6.32 min Scan# 1098

Delta R.T. 0.03 min

Lab File: VL037145.D

Acq: 14 Jun 2021 11:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 62 Resp: 2234143

Ion Ratio Lower Upper

62 100

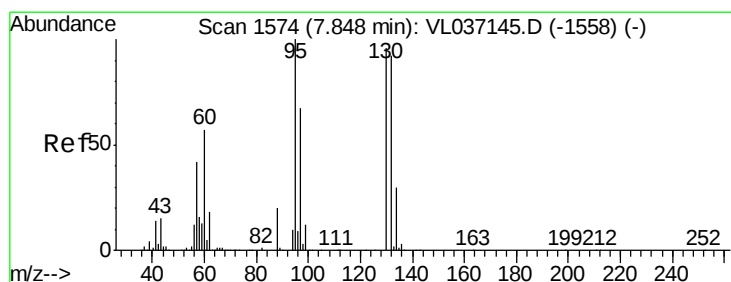
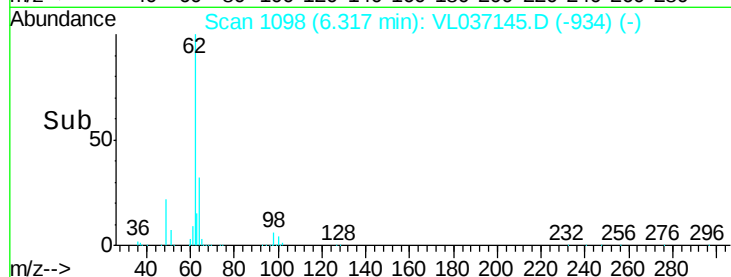
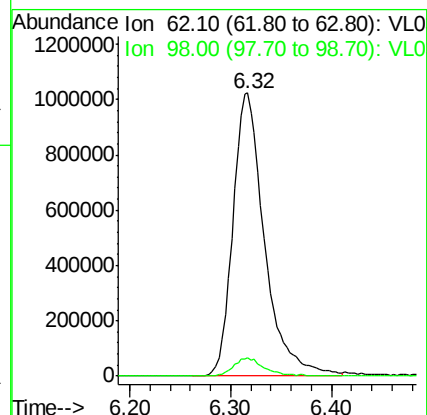
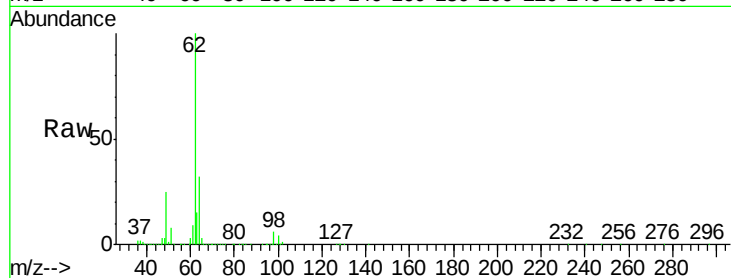
98 6.4 5.5 8.3

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#38

Trichloroethene

Concen: 9.323 ppbv

RT: 7.85 min Scan# 1574

Delta R.T. 0.04 min

Lab File: VL037145.D

Acq: 14 Jun 2021 11:48

Tgt Ion: 130 Resp: 1625333

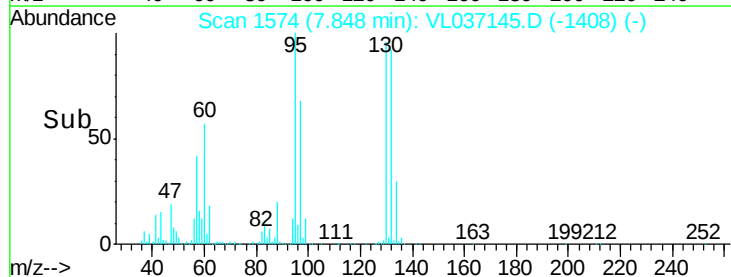
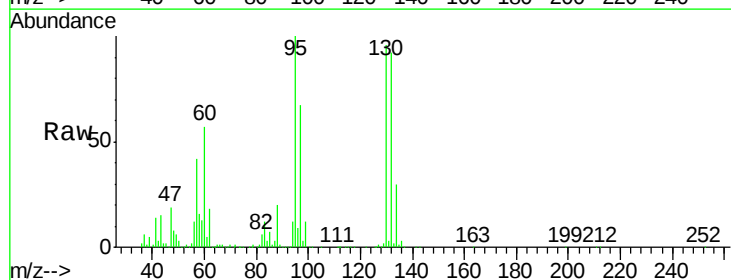
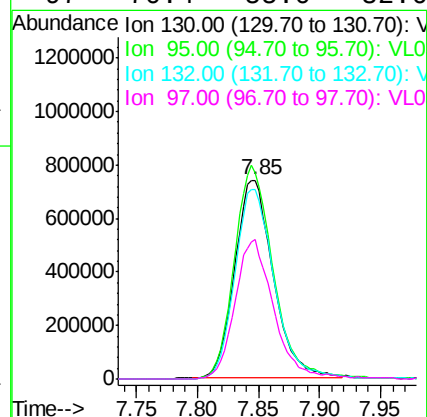
Ion Ratio Lower Upper

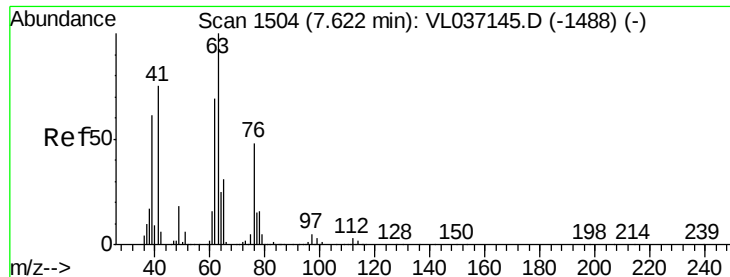
130 100

95 104.4 86.9 130.3

132 96.0 78.4 117.6

97 70.4 55.0 82.6





#39

1,2-Dichloropropane

Concen: 9.325 ppbv

RT: 7.62 min Scan# 1504

Delta R.T. 0.03 min

Lab File: VL037145.D

Acq: 14 Jun 2021 11:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 63 Resp: 1464050

Ion Ratio Lower Upper

63 100

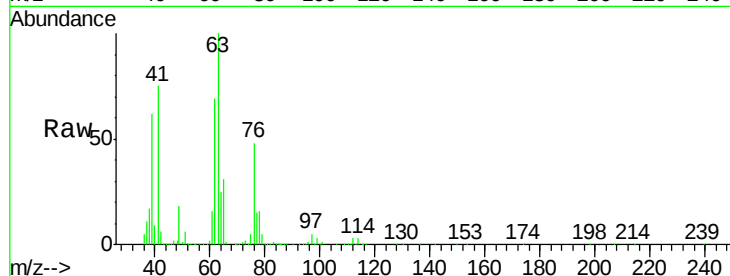
41 75.0 55.7 83.5

62 69.2 56.2 84.4

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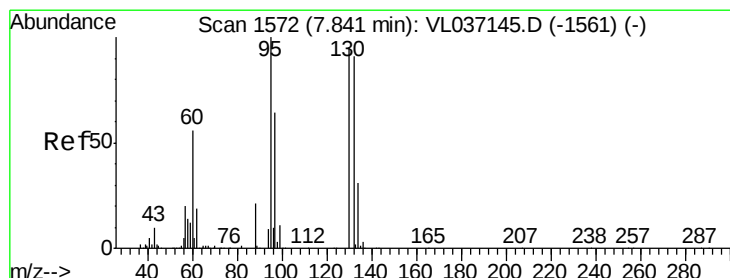
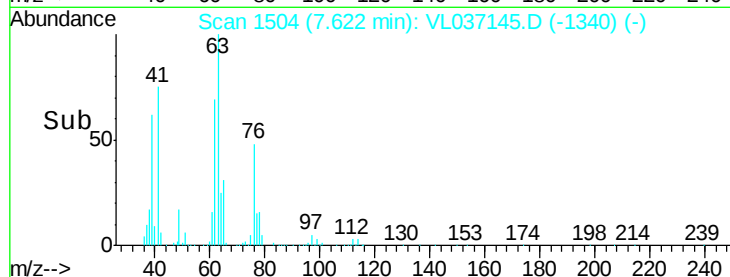
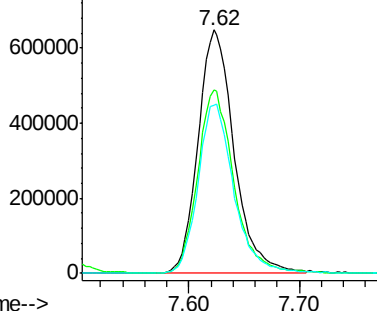
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Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 11.134 ppbv

RT: 7.84 min Scan# 1572

Delta R.T. 0.03 min

Lab File: VL037145.D

Acq: 14 Jun 2021 11:48

Tgt Ion: 88 Resp: 412751

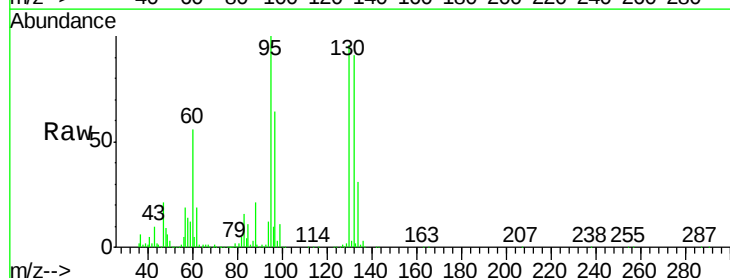
Ion Ratio Lower Upper

88 100

58 144.5 0.0 0.0#

43 347.9 0.0 0.0#

57 1509.2 0.0 0.0#

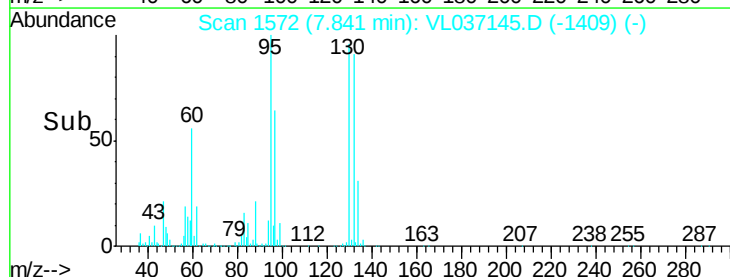
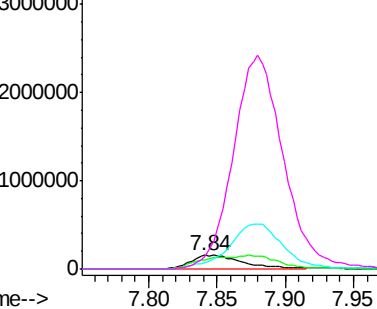


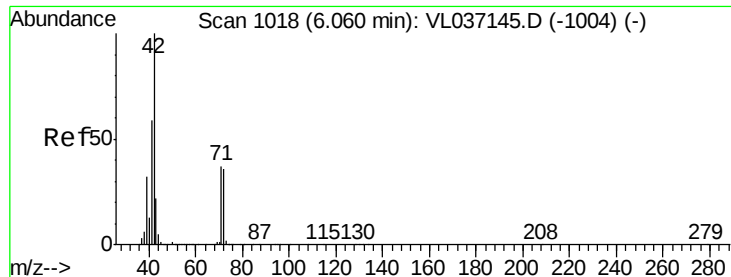
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





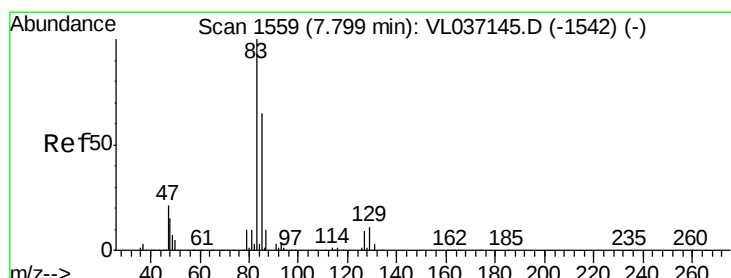
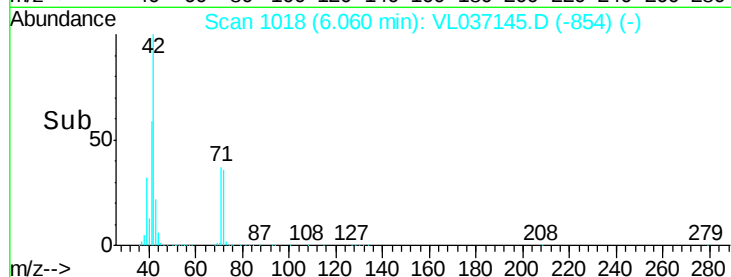
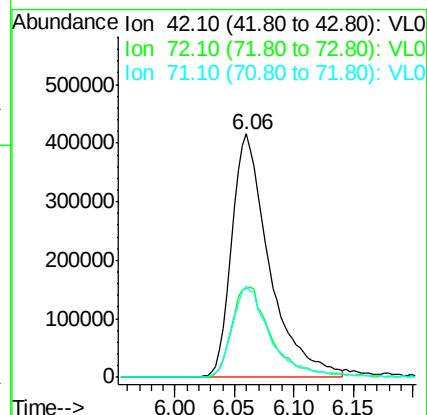
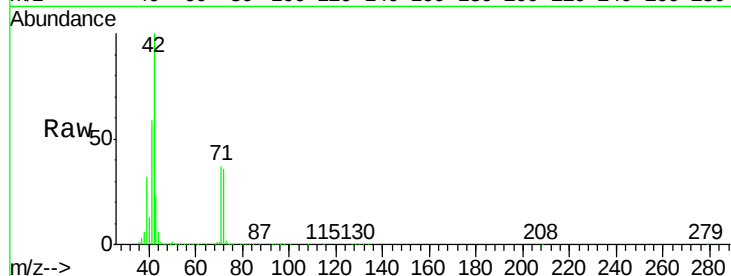
#41
Tetrahydrofuran
Concen: 9.264 ppbv
RT: 6.06 min Scan# 1018
Delta R.T. 0.03 min
Lab File: VL037145.D
Acq: 14 Jun 2021 11:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.6	31.4	47.2
71	38.8	30.4	45.6

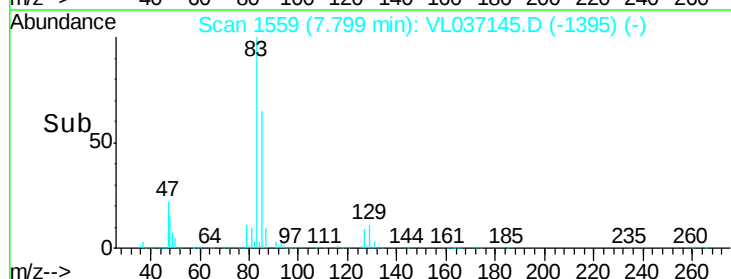
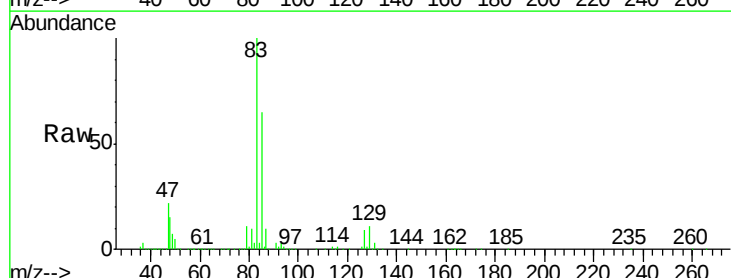
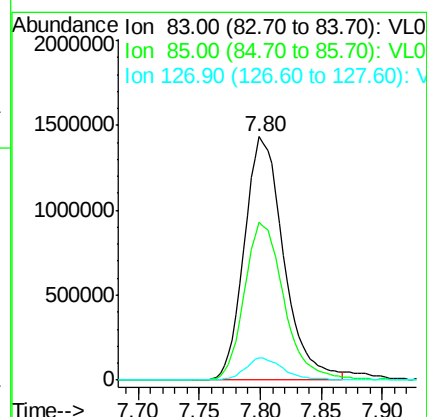
Manual Integrations
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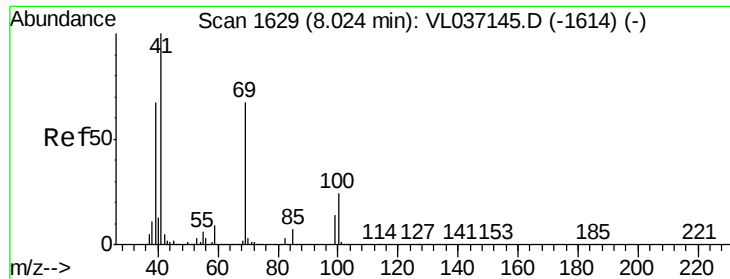
MMDadoda
6/15/2021 5:17:04 PM



#42
Bromodichloromethane
Concen: 10.491 ppbv
RT: 7.80 min Scan# 1559
Delta R.T. 0.03 min
Lab File: VL037145.D
Acq: 14 Jun 2021 11:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.7	77.5
127	9.2	6.9	10.3





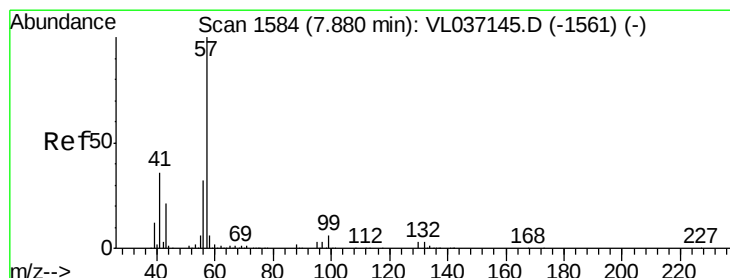
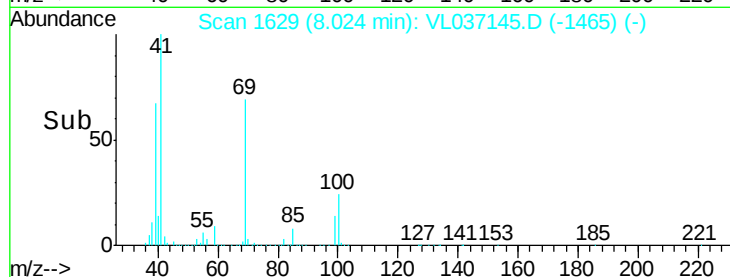
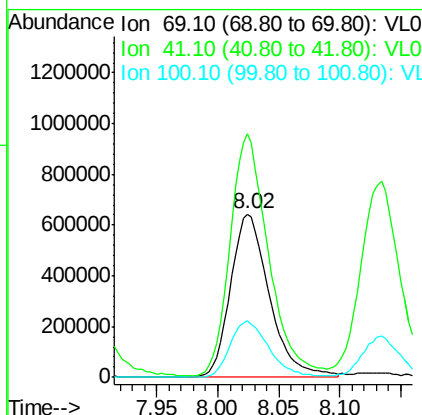
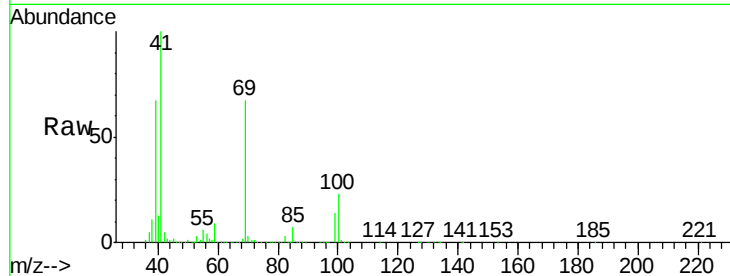
#43
Methvl Methacrylate
Concen: 10.140 ppbv
RT: 8.02 min Scan# 1629
Delta R.T. 0.03 min
Lab File: VL037145.D
Acq: 14 Jun 2021 11:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 69 Resp: 1424283
Ion Ratio Lower Upper
69 100
41 147.1 118.6 178.0
100 34.9 28.2 42.4

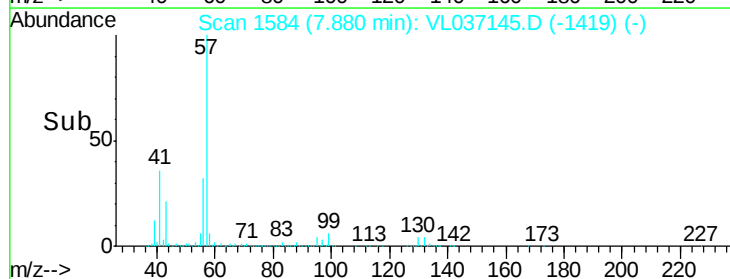
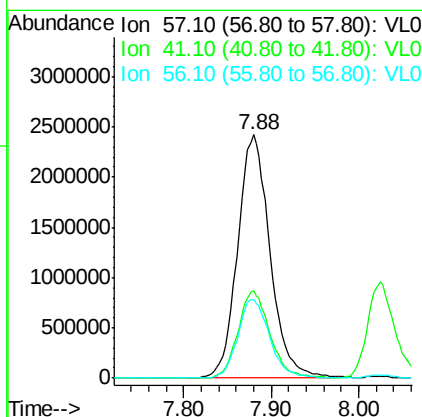
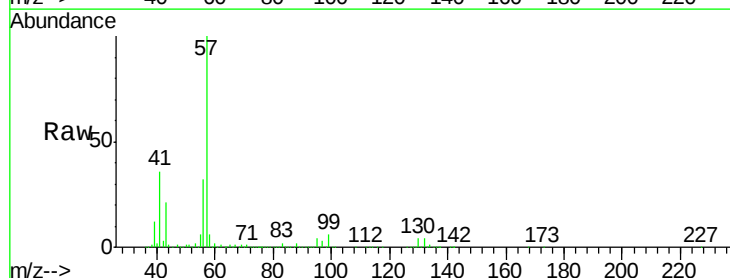
Manual Integrations
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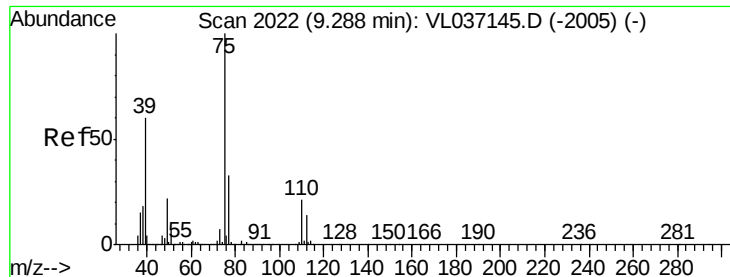
MMDadoda
6/15/2021 5:17:04 PM



#44
2,2,4-Trimethylpentane
Concen: 8.892 ppbv
RT: 7.88 min Scan# 1584
Delta R.T. 0.03 min
Lab File: VL037145.D
Acq: 14 Jun 2021 11:48

Tgt Ion: 57 Resp: 6217148
Ion Ratio Lower Upper
57 100
41 35.1 27.0 40.4
56 31.8 25.4 38.2





#45

t-1,3-Dichloropropene

Concen: 13.412 ppbv

RT: 9.29 min Scan# 2022

Delta R.T. 0.03 min

Lab File: VL037145.D

Acq: 14 Jun 2021 11:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 75 Resp: 1439364

Ion Ratio Lower Upper

75 100

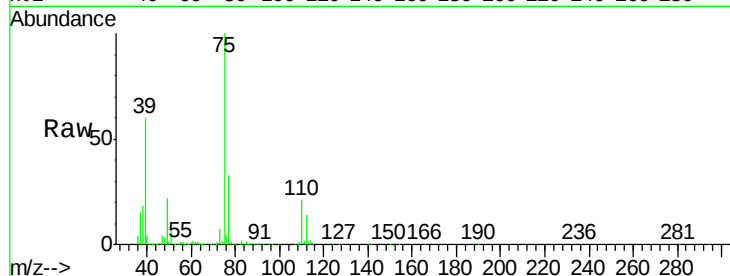
77 32.7 24.4 36.6

Manual Integrations

APPROVED

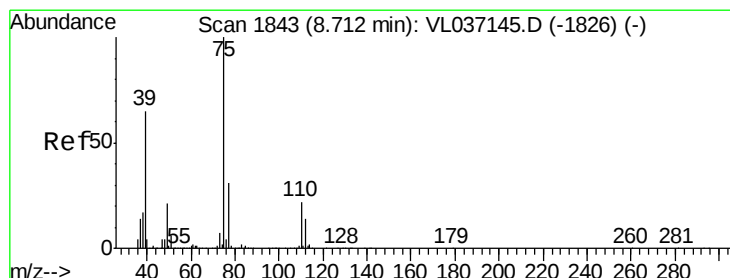
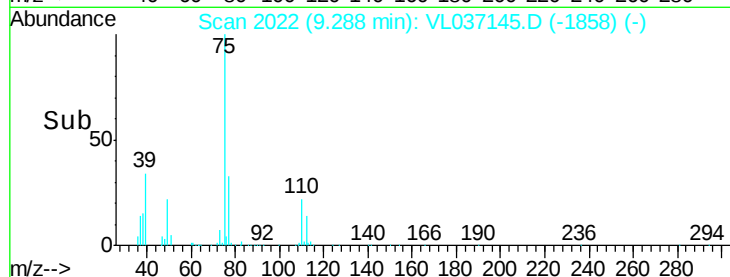
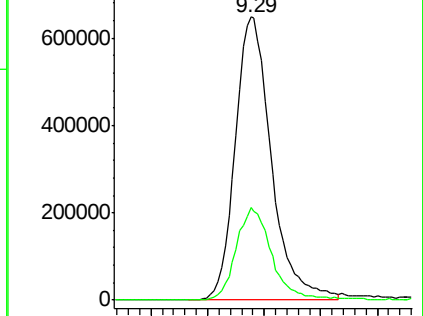
MMDadoda

6/15/2021 5:17:04 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: 12.301 ppbv

RT: 8.71 min Scan# 1843

Delta R.T. 0.03 min

Lab File: VL037145.D

Acq: 14 Jun 2021 11:48

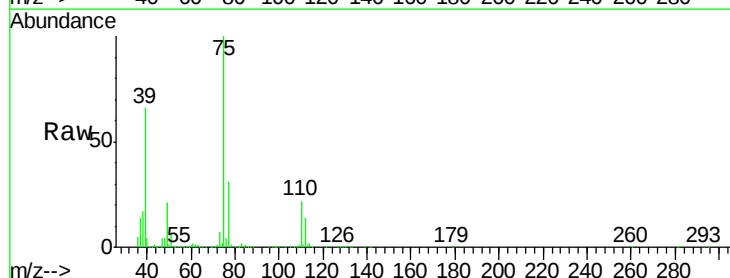
Tgt Ion: 75 Resp: 1775597

Ion Ratio Lower Upper

75 100

39 65.3 51.5 77.3

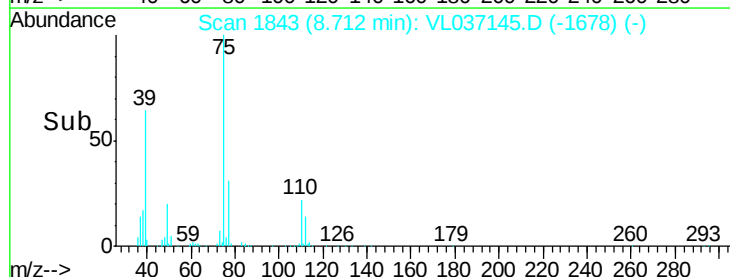
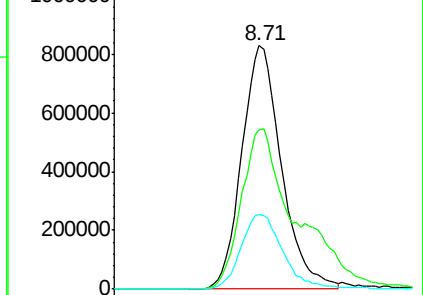
77 30.6 25.9 38.9

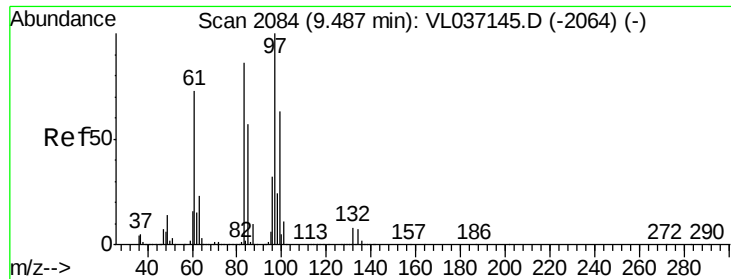


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0





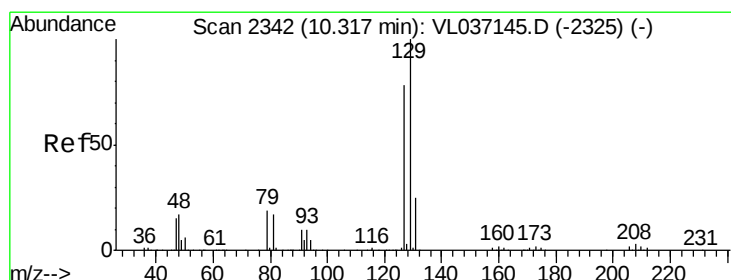
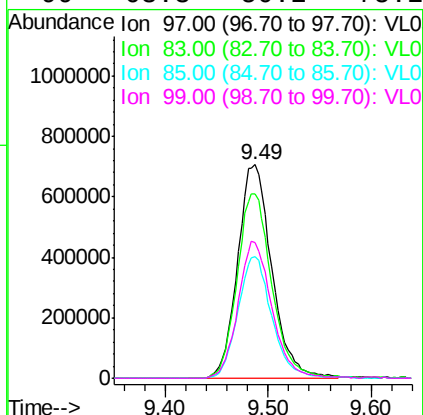
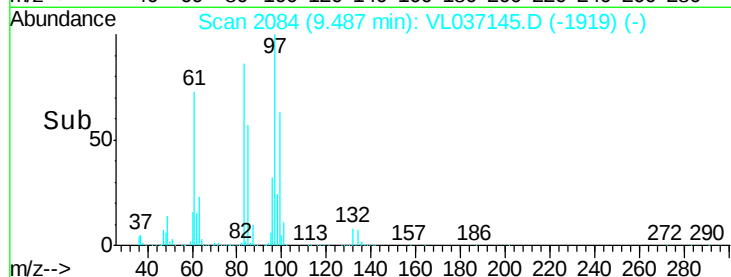
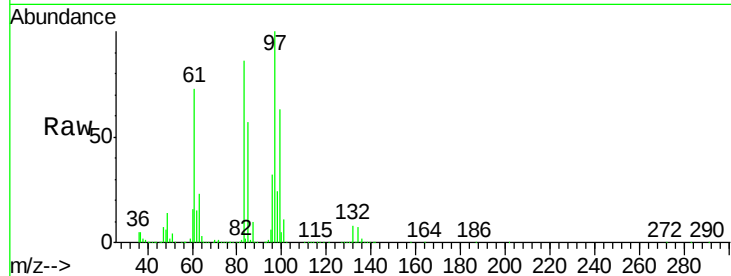
#47
 1,1,2-Trichloroethane
 Concen: 9.946 ppbv
 RT: 9.49 min Scan# 2084
 Delta R.T. 0.03 min
 Lab File: VL037145.D
 Acq: 14 Jun 2021 11:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
97	100		
83	86.2	70.4	105.6
85	57.1	45.5	68.3
99	63.3	50.2	75.2

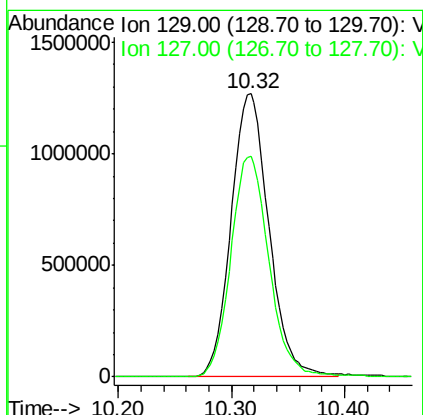
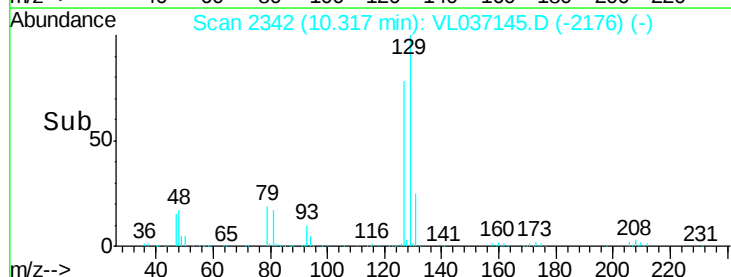
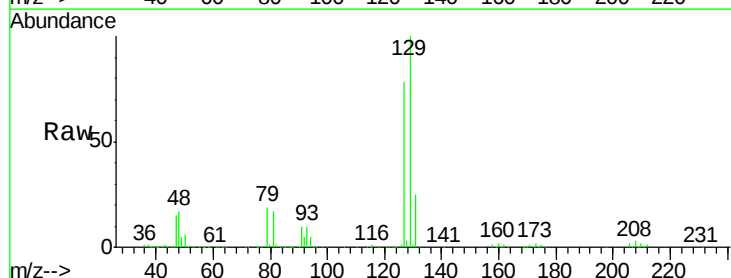
Manual Integrations
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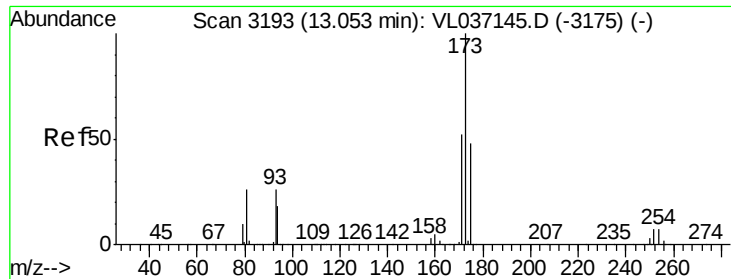
MMDadoda
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#48
 Dibromochloromethane
 Concen: 11.141 ppbv
 RT: 10.32 min Scan# 2342
 Delta R.T. 0.04 min
 Lab File: VL037145.D
 Acq: 14 Jun 2021 11:48

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.8	39.3	117.8





#49

Bromoform

Concen: 11.329 ppbv

RT: 13.05 min Scan# 3193

Delta R.T. 0.04 min

Lab File: VL037145.D

Acq: 14 Jun 2021 11:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:173 Resp: 2489305

Ion Ratio Lower Upper

173 100

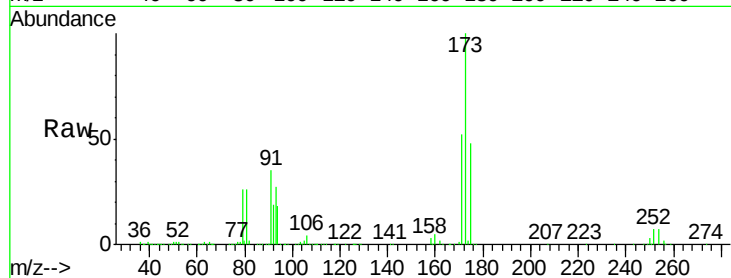
175 49.7 40.4 60.6

171 53.1 42.6 64.0

Manual Integrations
APPROVED

MMDadoda

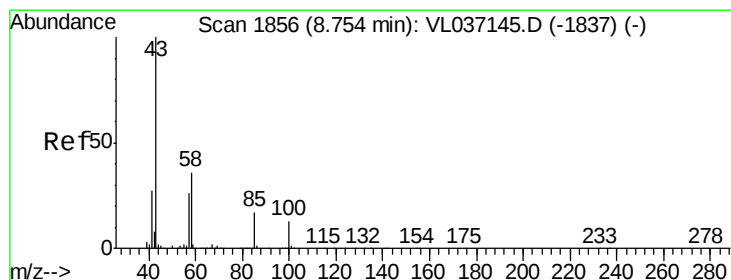
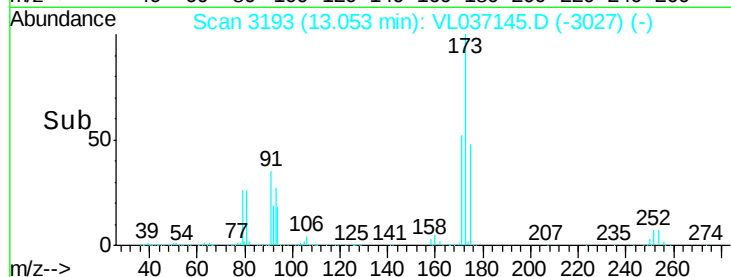
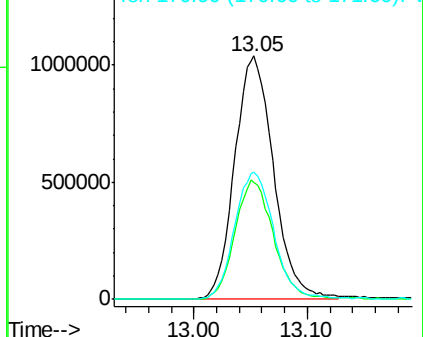
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Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.658 ppbv

RT: 8.75 min Scan# 1856

Delta R.T. 0.03 min

Lab File: VL037145.D

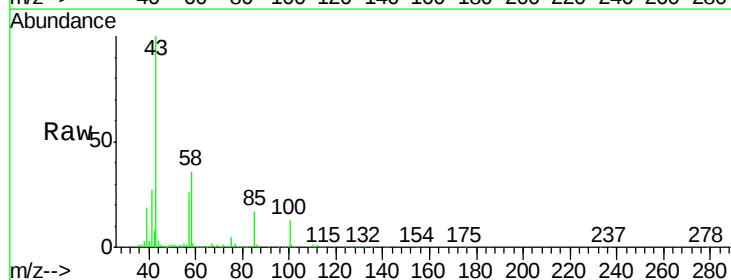
Acq: 14 Jun 2021 11:48

Tgt Ion: 43 Resp: 2745668

Ion Ratio Lower Upper

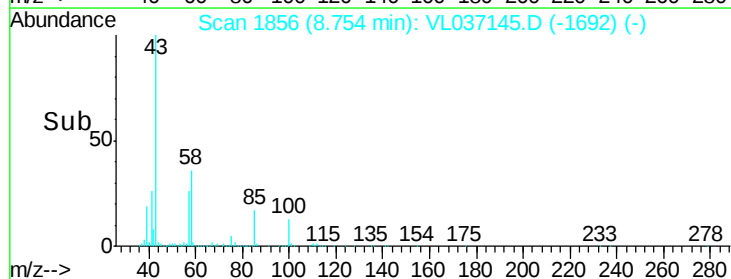
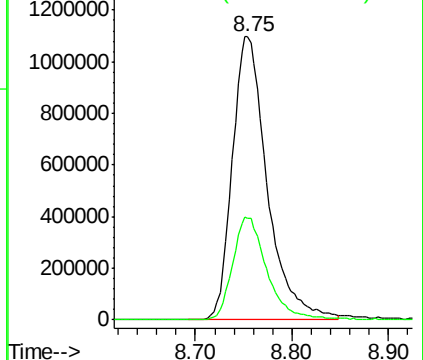
43 100

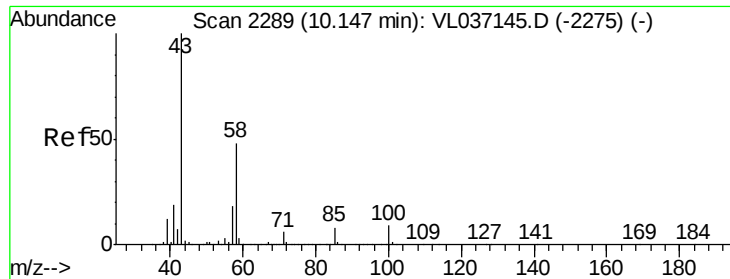
58 36.3 29.4 44.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





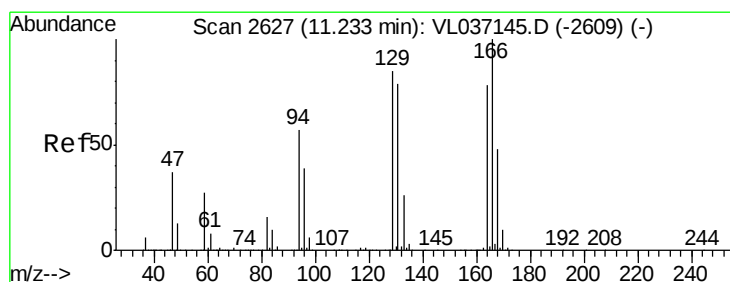
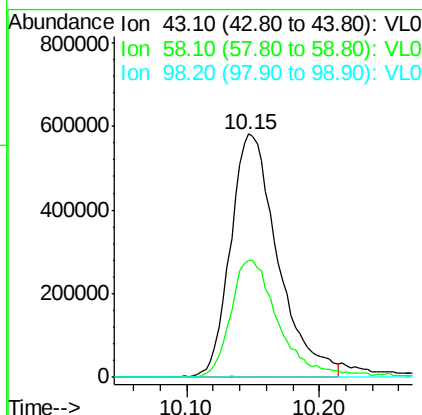
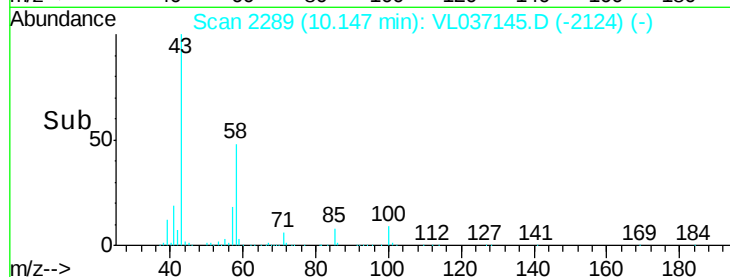
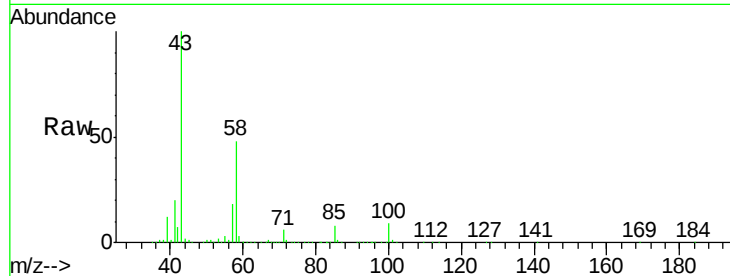
#51
2-Hexanone
Concen: 9.586 ppbv
RT: 10.15 min Scan# 2289
Delta R.T. 0.03 min
Lab File: VL037145.D
Acq: 14 Jun 2021 11:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 43 Resp: 1440741
Ion Ratio Lower Upper
43 100
58 50.1 41.1 61.7
98 0.3 0.1 0.1#

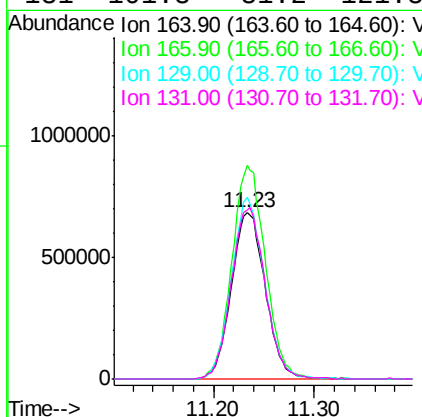
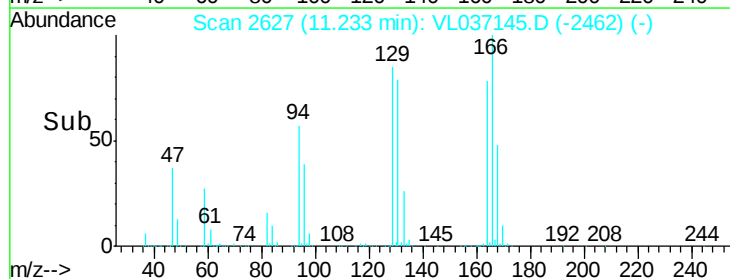
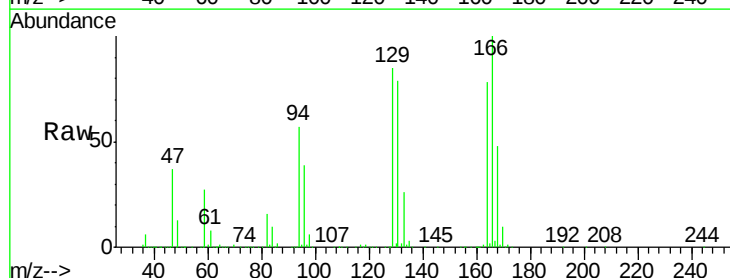
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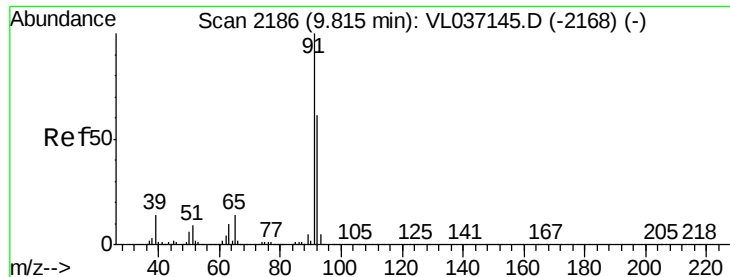
MMDadoda
6/15/2021 5:17:04 PM



#52
Tetrachloroethene
Concen: 9.889 ppbv
RT: 11.23 min Scan# 2627
Delta R.T. 0.03 min
Lab File: VL037145.D
Acq: 14 Jun 2021 11:48

Tgt Ion: 164 Resp: 1602582
Ion Ratio Lower Upper
164 100
166 128.3 105.5 158.3
129 109.3 81.8 122.8
131 101.8 81.2 121.8





#53

Toluene

Concen: 9.520 ppbv

RT: 9.82 min Scan# 2186

Delta R.T. 0.03 min

Lab File: VL037145.D

Acq: 14 Jun 2021 11:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 91 Resp: 4616566

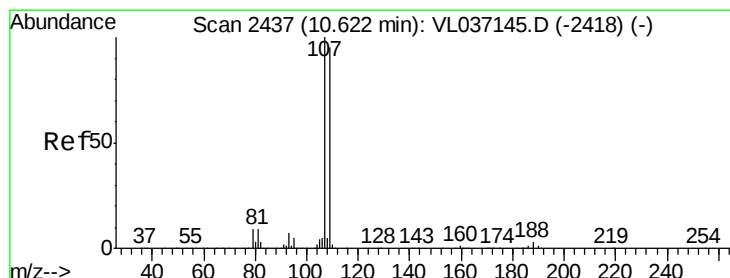
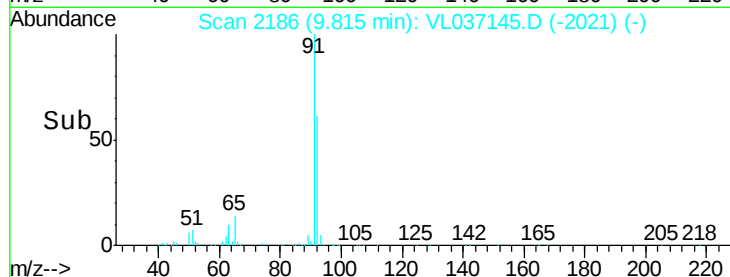
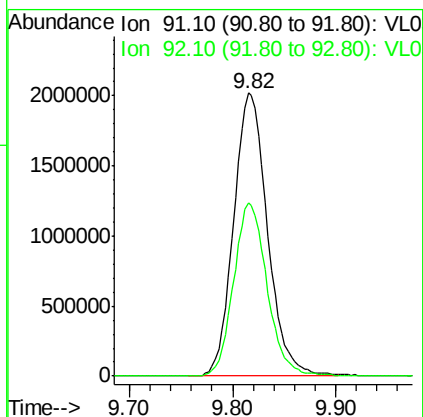
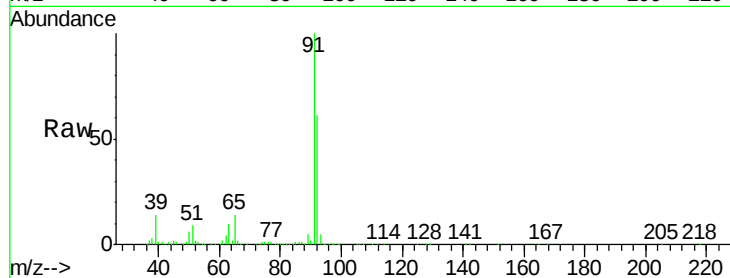
Ion Ratio Lower Upper

91 100

92 60.8 49.5 74.3

Manual Integrations
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6/15/2021 5:17:04 PM



#54

1,2-Dibromoethane

Concen: 10.650 ppbv

RT: 10.62 min Scan# 2437

Delta R.T. 0.04 min

Lab File: VL037145.D

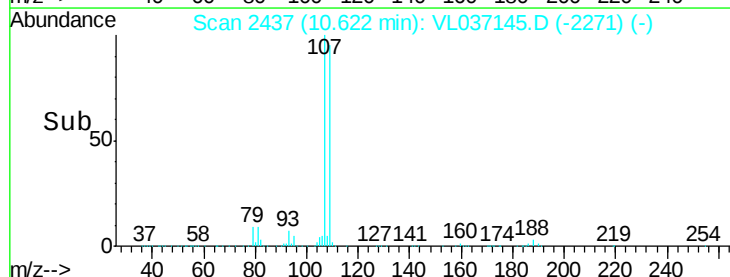
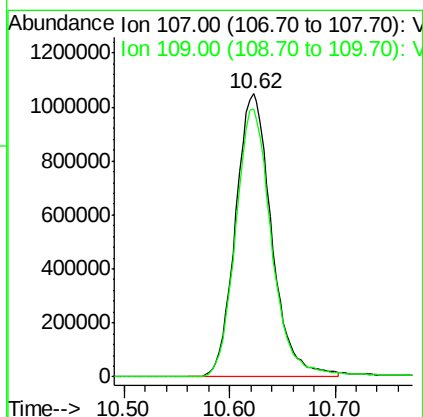
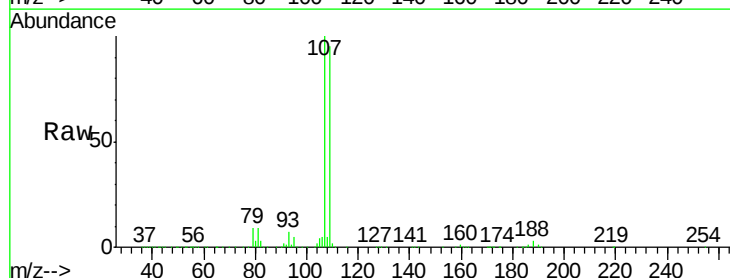
Acq: 14 Jun 2021 11:48

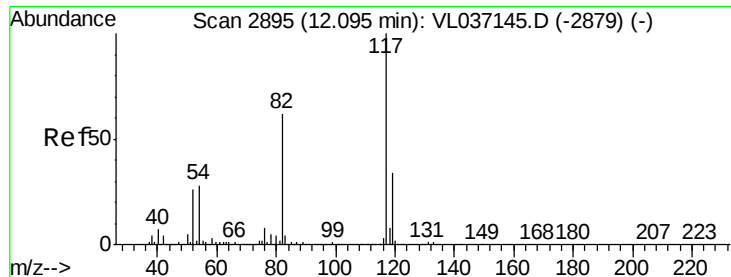
Tgt Ion: 107 Resp: 2487999

Ion Ratio Lower Upper

107 100

109 94.5 75.0 112.4





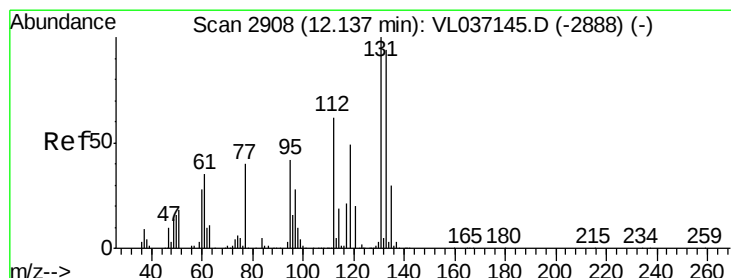
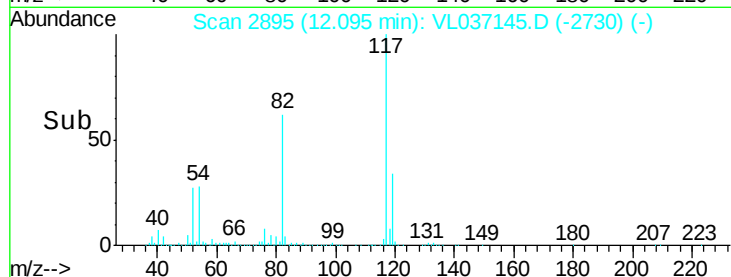
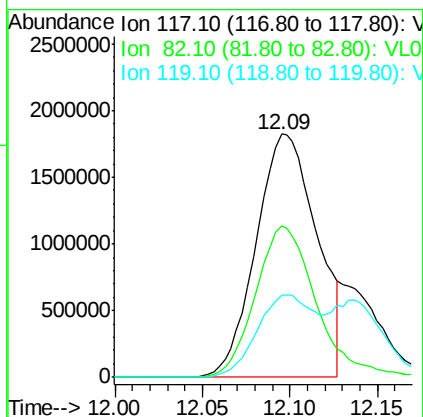
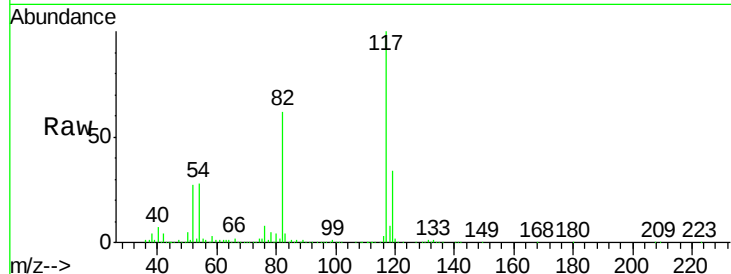
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.09 min Scan# 2895
Delta R.T. 0.03 min
Lab File: VL037145.D
Acq: 14 Jun 2021 11:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion:117 Resp: 4426505
Ion Ratio Lower Upper
117 100
82 63.3 52.6 79.0
119 33.9 46.6 70.0#

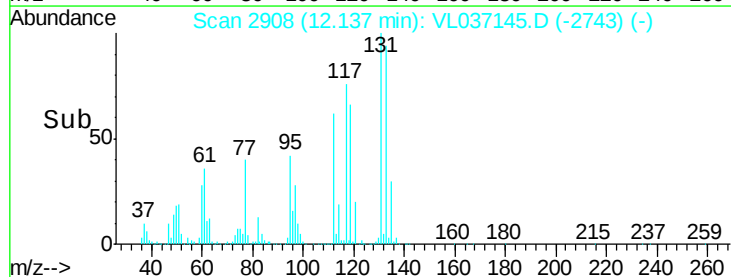
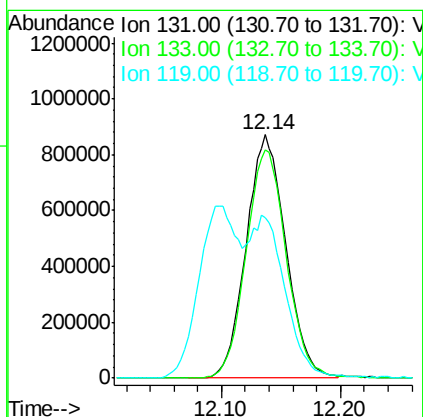
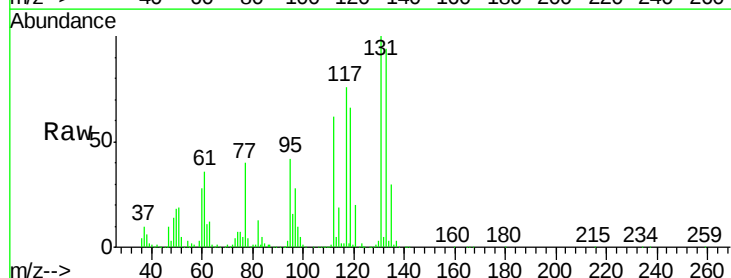
Manual Integrations
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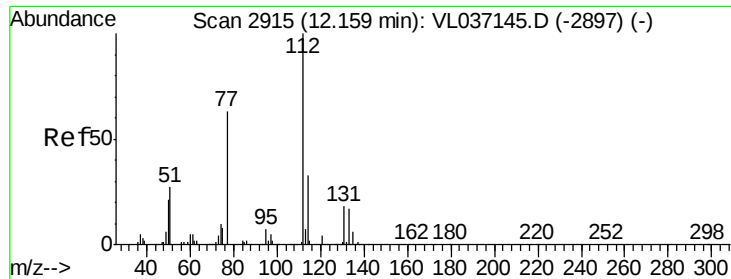
MMDadoda
6/15/2021 5:17:04 PM



#56
1,1,1,2-Tetrachloroethane
Concen: 10.748 ppbv
RT: 12.14 min Scan# 2908
Delta R.T. 0.03 min
Lab File: VL037145.D
Acq: 14 Jun 2021 11:48

Tgt Ion:131 Resp: 2001881
Ion Ratio Lower Upper
131 100
133 95.9 76.9 115.3
119 63.4 120.2 180.4#





#57

Chlorobenzene

Concen: 10.301 ppbv

RT: 12.16 min Scan# 2915

Delta R.T. 0.04 min

Lab File: VL037145.D

Acq: 14 Jun 2021 11:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 112 Resp: 3535545

Ion Ratio Lower Upper

112 100

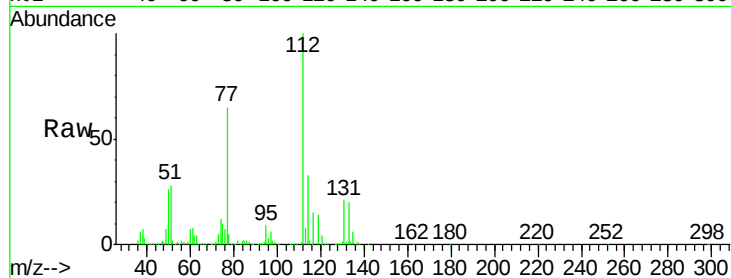
77 64.3 51.0 76.6

114 33.0 28.3 34.5

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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V

12.16

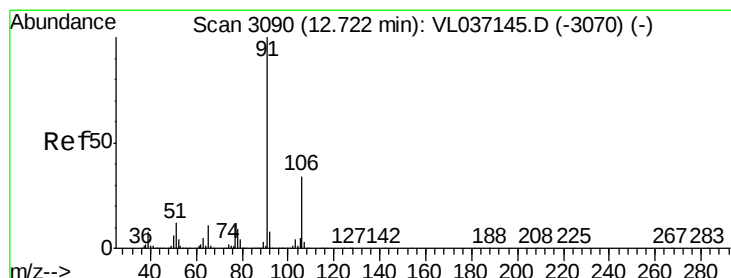
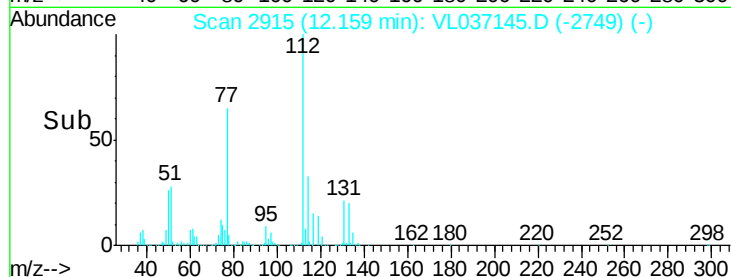
1500000

1000000

500000

0

Time-->



#58

Ethyl Benzene

Concen: 9.810 ppbv

RT: 12.72 min Scan# 3090

Delta R.T. 0.04 min

Lab File: VL037145.D

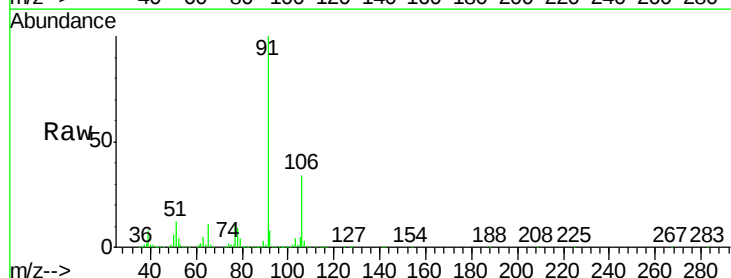
Acq: 14 Jun 2021 11:48

Tgt Ion: 91 Resp: 6128664

Ion Ratio Lower Upper

91 100

106 33.5 25.6 38.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

3000000

2500000

2000000

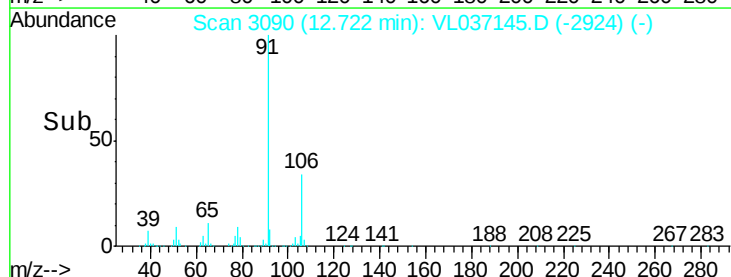
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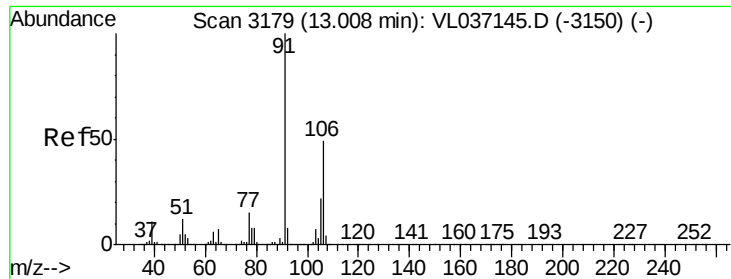
1000000

500000

0

Time-->





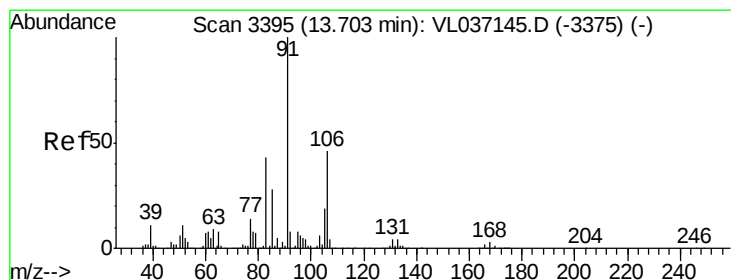
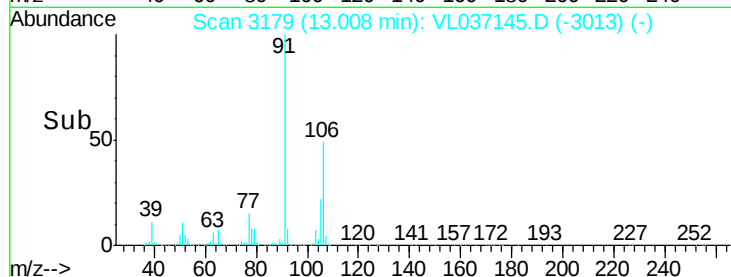
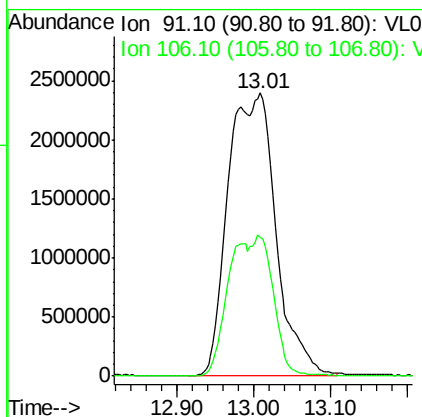
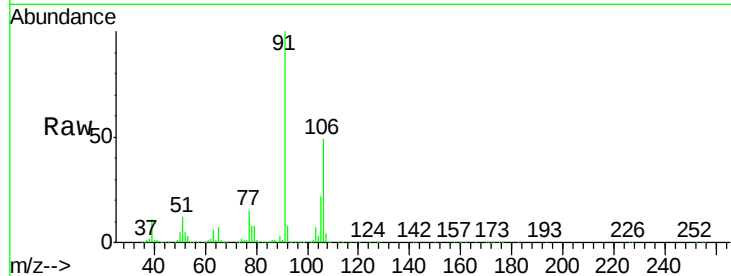
#59
m/p-Xylene
Concen: 19.975 ppbv m
RT: 13.01 min Scan# 3179
Delta R.T. 0.04 min
Lab File: VL037145.D
Acq: 14 Jun 2021 11:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 91 Resp:10315321
Ion Ratio Lower Upper
91 100
106 46.1 37.4 56.2

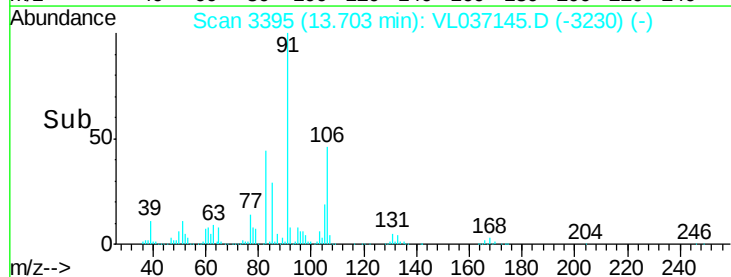
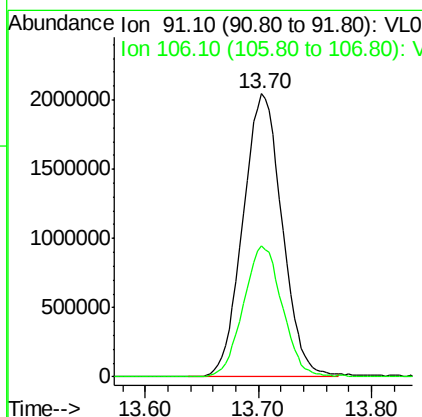
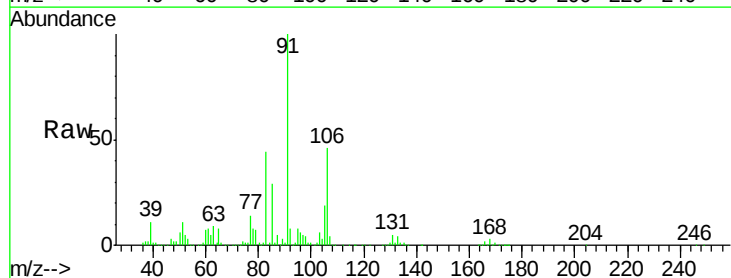
Manual Integrations
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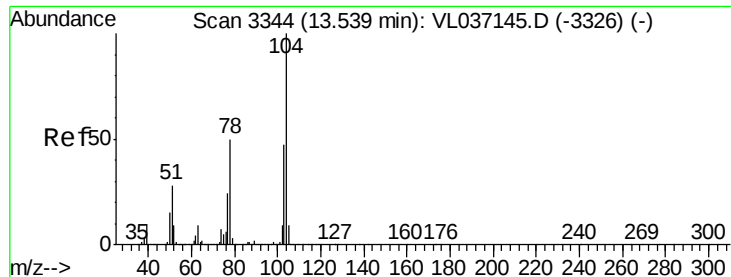
MMDadoda
6/15/2021 5:17:04 PM



#60
o-Xylene
Concen: 10.004 ppbv
RT: 13.70 min Scan# 3395
Delta R.T. 0.03 min
Lab File: VL037145.D
Acq: 14 Jun 2021 11:48

Tgt Ion: 91 Resp: 4927411
Ion Ratio Lower Upper
91 100
106 46.2 23.4 70.3





#61

Stvrene

Concen: 10.439 ppbv

RT: 13.54 min Scan# 3344

Delta R.T. 0.03 min

Lab File: VL037145.D

Acq: 14 Jun 2021 11:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:104 Resp: 2896457

Ion Ratio Lower Upper

104 100

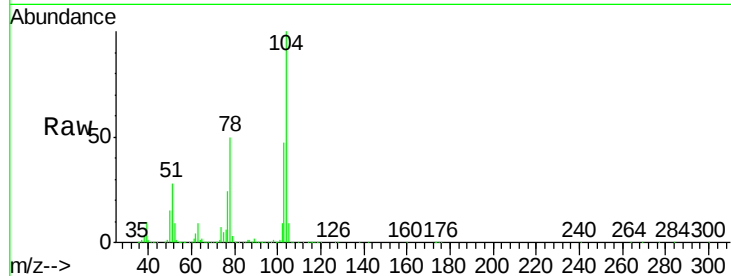
78 51.1 39.0 58.6

103 48.3 38.0 57.0

Manual Integrations
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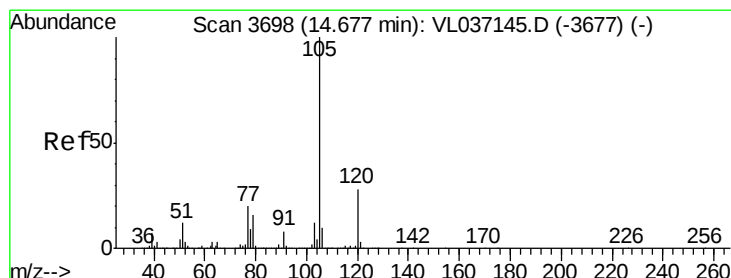
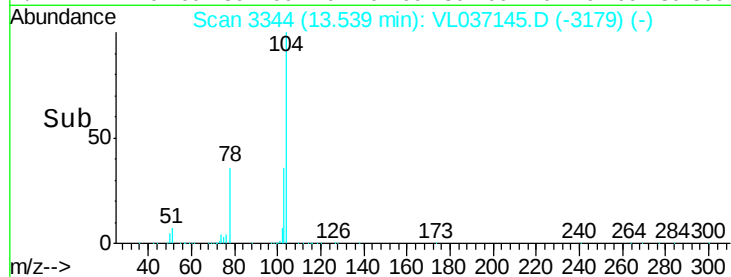
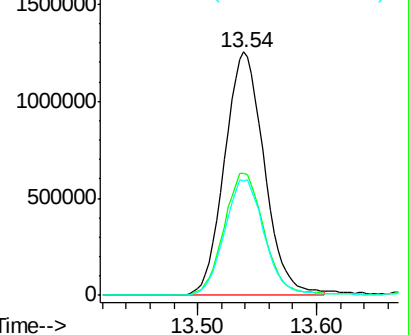
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Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 9.718 ppbv

RT: 14.68 min Scan# 3698

Delta R.T. 0.04 min

Lab File: VL037145.D

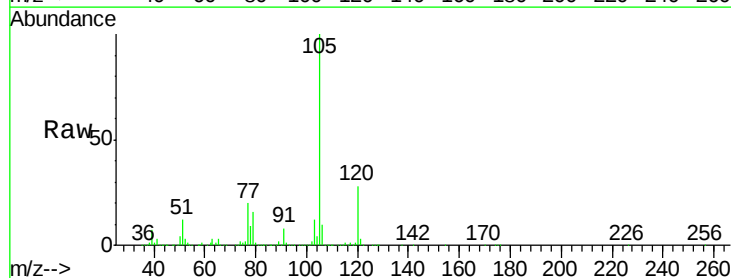
Acq: 14 Jun 2021 11:48

Tgt Ion:105 Resp: 6878649

Ion Ratio Lower Upper

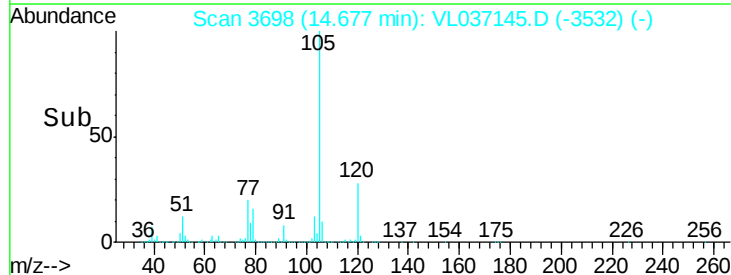
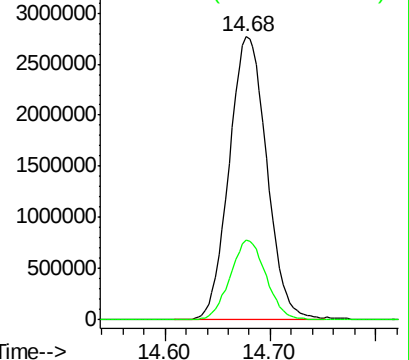
105 100

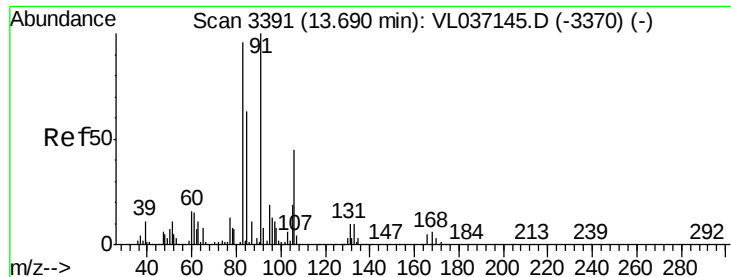
120 27.2 21.7 32.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 9.079 ppbv

RT: 13.69 min Scan# 3391

Delta R.T. 0.04 min

Lab File: VL037145.D

Acq: 14 Jun 2021 11:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 83 Resp: 3339575

Ion Ratio Lower Upper

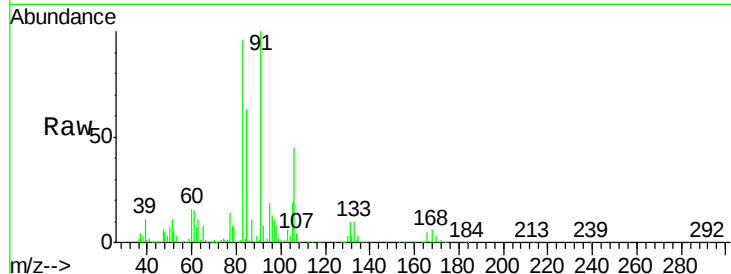
83 100

131 10.8 5.0 15.0

85 66.6 32.9 98.6

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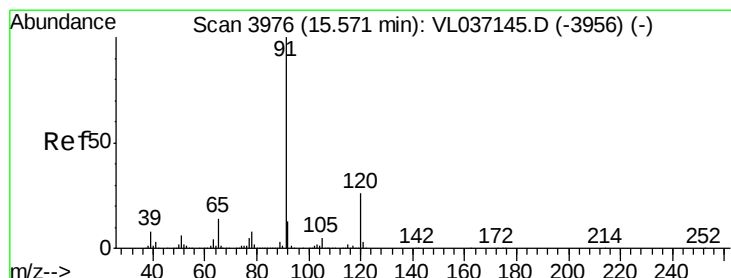
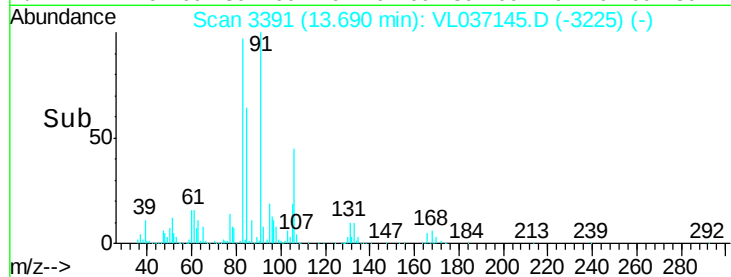
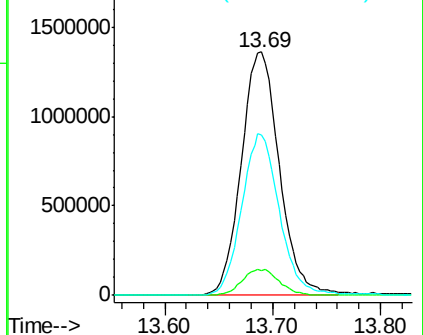
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Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 10.256 ppbv

RT: 15.57 min Scan# 3976

Delta R.T. 0.03 min

Lab File: VL037145.D

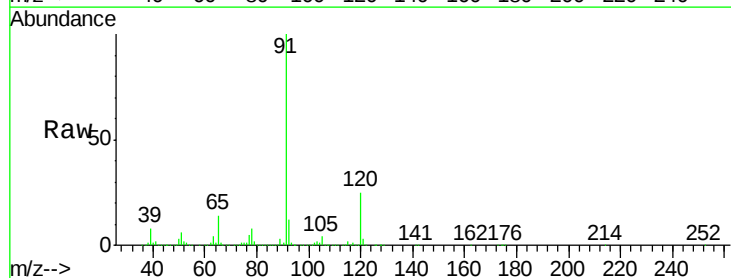
Acq: 14 Jun 2021 11:48

Tgt Ion: 120 Resp: 1873106

Ion Ratio Lower Upper

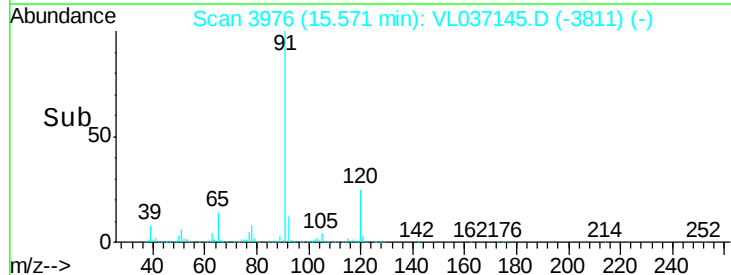
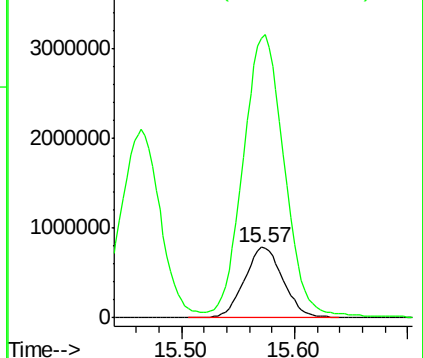
120 100

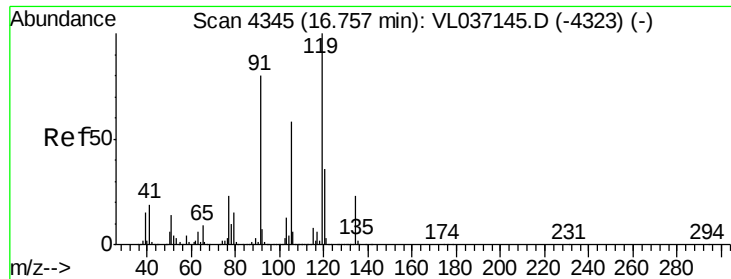
91 427.8 343.8 515.6



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0





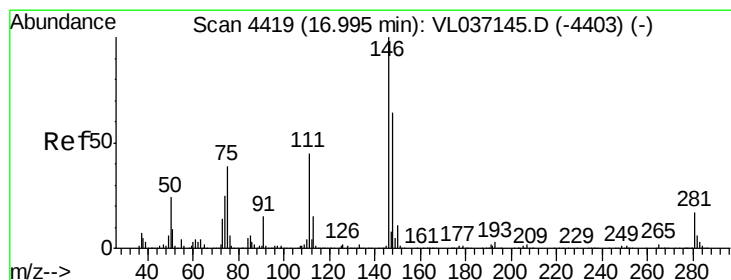
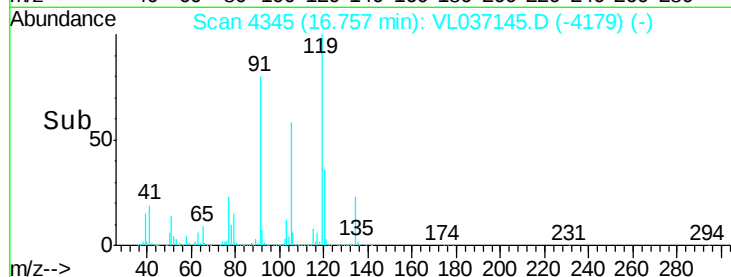
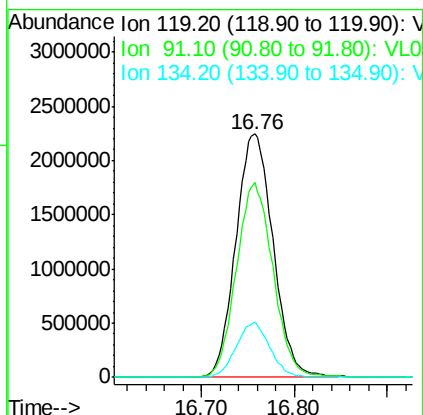
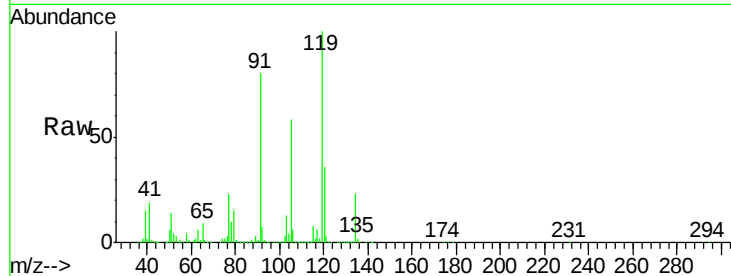
#65
tert-Butylbenzene
Concen: 9.780 ppbv
RT: 16.76 min Scan# 4345
Delta R.T. 0.04 min
Lab File: VL037145.D
Acq: 14 Jun 2021 11:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
119	100		
91	78.5	61.9	92.9
134	20.6	16.2	24.4

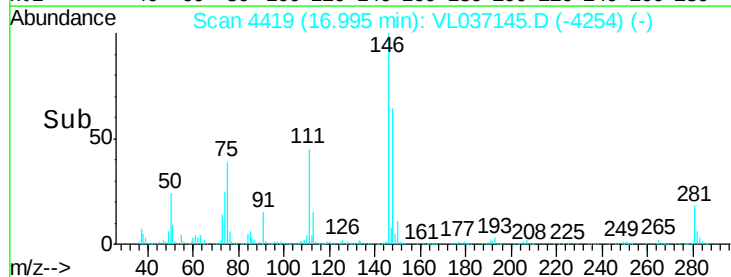
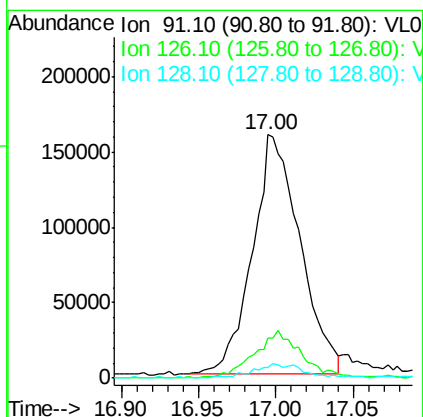
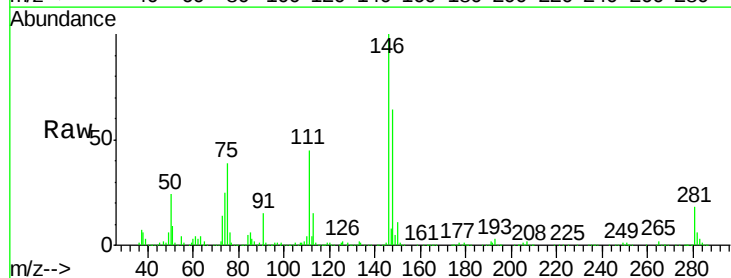
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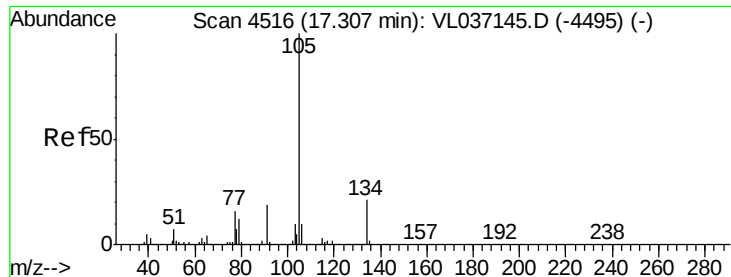
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#66
Benzyl Chloride
Concen: 9.621 ppbv
RT: 17.00 min Scan# 4419
Delta R.T. 0.03 min
Lab File: VL037145.D
Acq: 14 Jun 2021 11:48

Tgt Ion	Ratio	Lower	Upper
91	100		
126	20.5	16.5	24.7
128	7.1	5.5	8.3





#67

sec-Butylbenzene

Concen: 9.535 ppbv

RT: 17.31 min Scan# 4516

Delta R.T. 0.04 min

Lab File: VL037145.D

Acq: 14 Jun 2021 11:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 105 Resp: 8308559

Ion Ratio Lower Upper

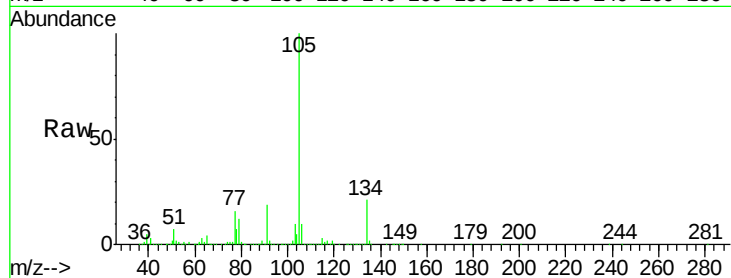
105 100

134 20.0 15.6 23.4

Manual Integrations
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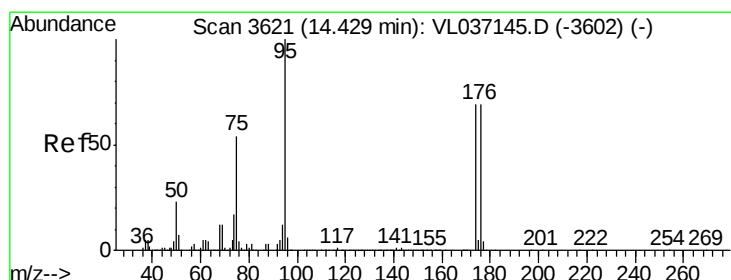
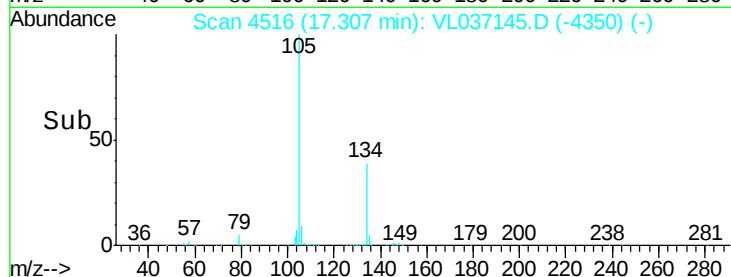
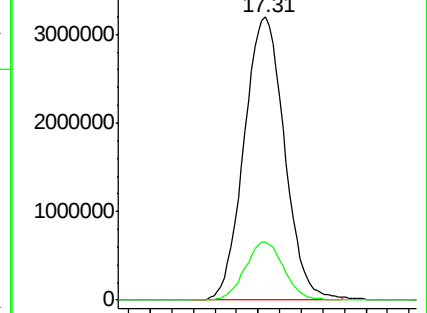
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.152 ppbv

RT: 14.43 min Scan# 3621

Delta R.T. 0.04 min

Lab File: VL037145.D

Acq: 14 Jun 2021 11:48

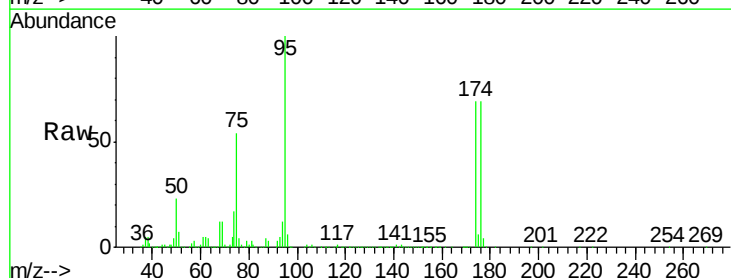
Tgt Ion: 95 Resp: 3375887

Ion Ratio Lower Upper

95 100

174 72.0 58.4 87.6

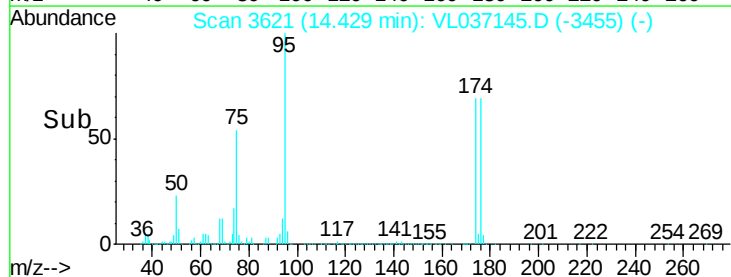
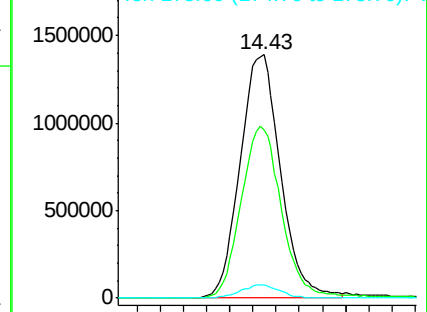
175 5.5 4.4 6.6

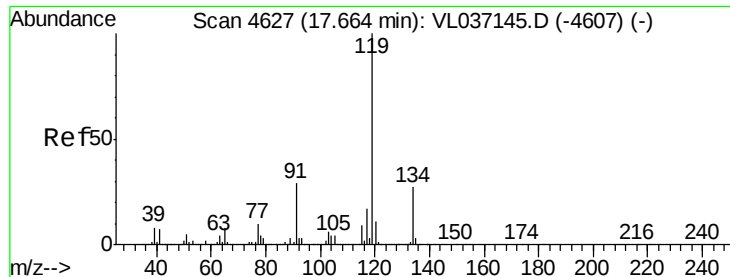


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





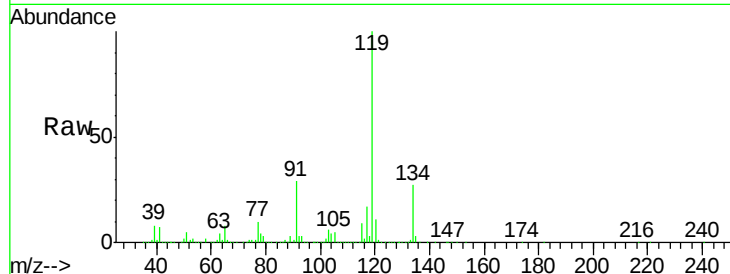
#69
 p-Isopropyltoluene
 Concen: 9.643 ppbv
 RT: 17.66 min Scan# 4627
 Delta R.T. 0.03 min
 Lab File: VL037145.D
 Acq: 14 Jun 2021 11:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

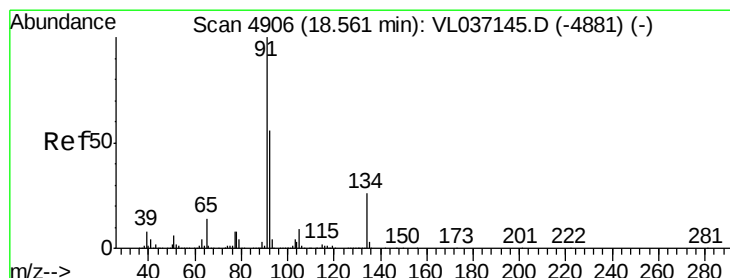
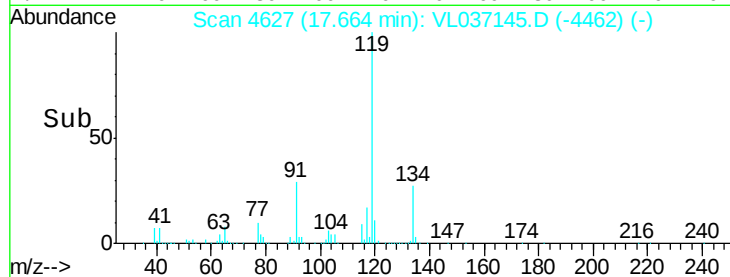
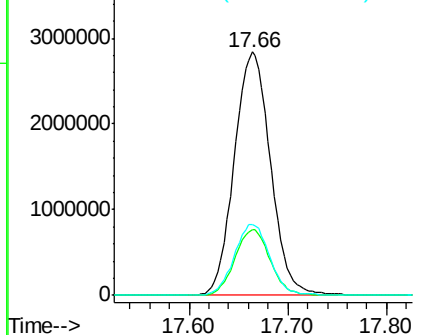
Tot Ion	Ratio	Lower	Upper
119	100		
134	26.5	21.2	31.8
91	28.6	22.2	33.4

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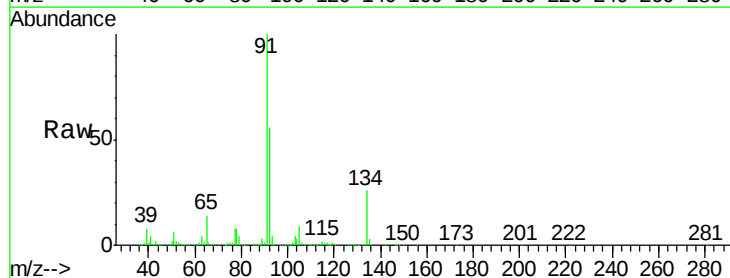


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

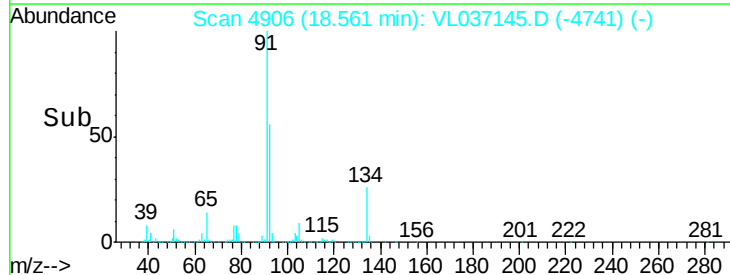
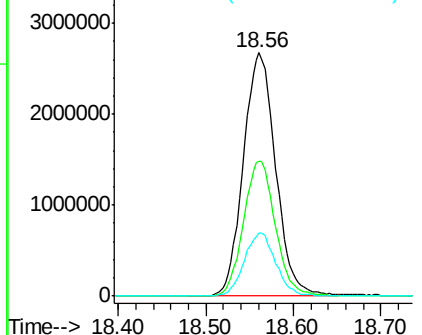


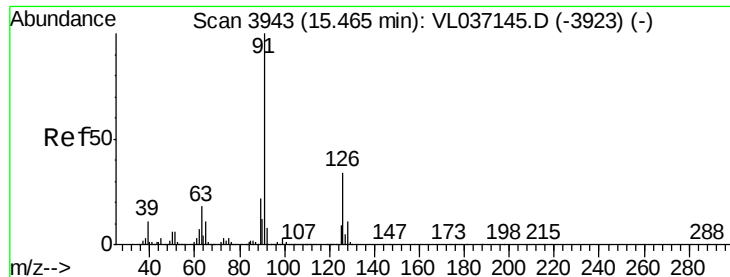
#70
 n-Butylbenzene
 Concen: 9.611 ppbv
 RT: 18.56 min Scan# 4906
 Delta R.T. 0.03 min
 Lab File: VL037145.D
 Acq: 14 Jun 2021 11:48

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.0	44.6	66.8
134	25.5	20.2	30.2



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





#71

2-Chlorotoluene

Concen: 9.892 ppbv

RT: 15.46 min Scan# 3943

Delta R.T. 0.04 min

Lab File: VL037145.D

Acq: 14 Jun 2021 11:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 91 Resp: 5057414

Ion Ratio Lower Upper

91 100

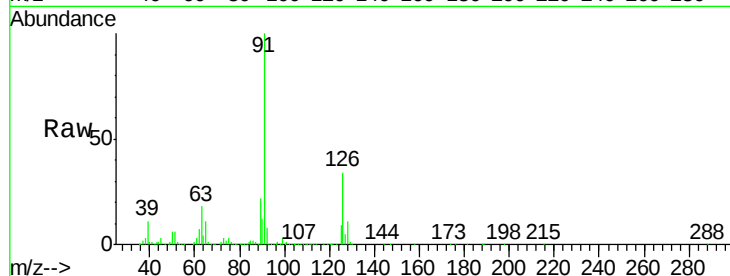
126 33.5 13.1 52.5

Manual Integrations

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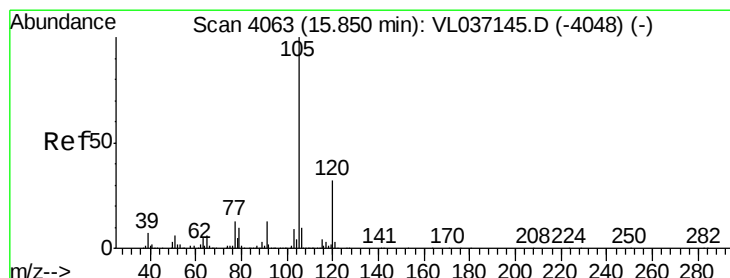
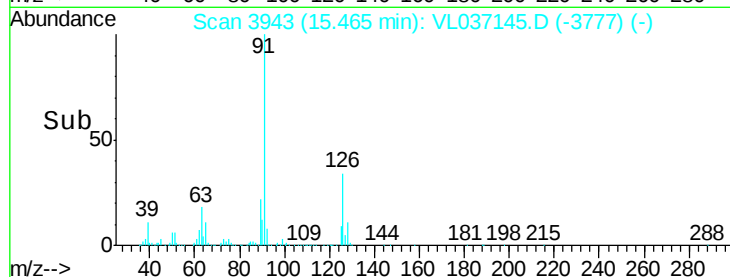
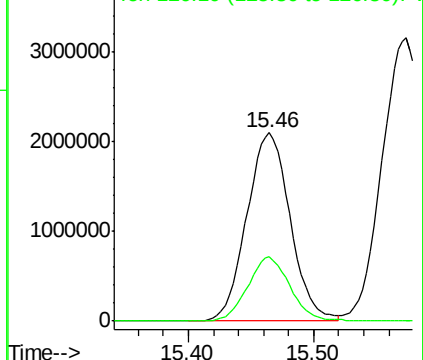
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 10.142 ppbv

RT: 15.85 min Scan# 4063

Delta R.T. 0.04 min

Lab File: VL037145.D

Acq: 14 Jun 2021 11:48

Tgt Ion: 105 Resp: 5928708

Ion Ratio Lower Upper

105 100

120 31.4 24.6 37.0

91 12.9 9.8 14.6

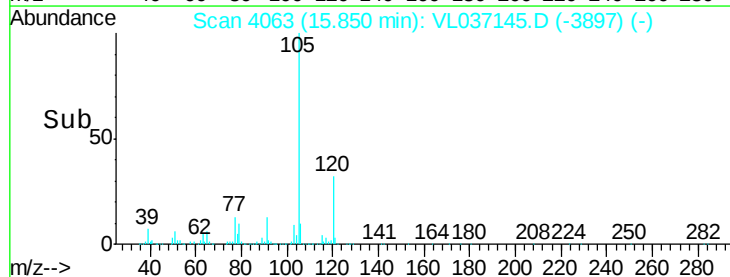
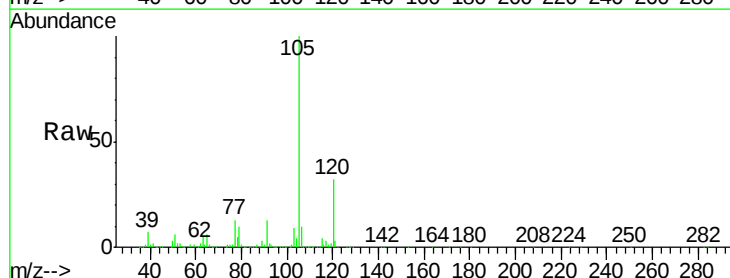
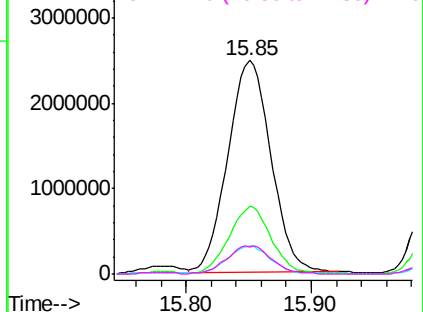
77 13.8 10.4 15.6

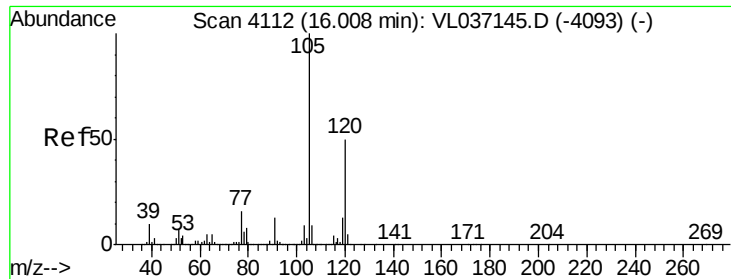
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 9.854 ppbv

RT: 16.01 min Scan# 4112

Delta R.T. 0.04 min

Lab File: VL037145.D

Acq: 14 Jun 2021 11:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:105 Resp: 5409481

Ion Ratio Lower Upper

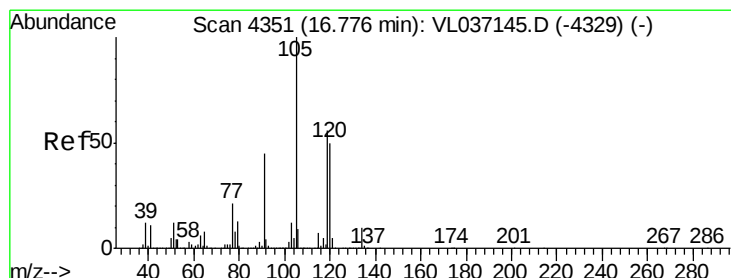
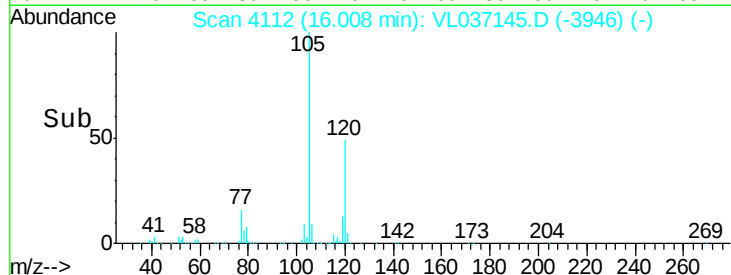
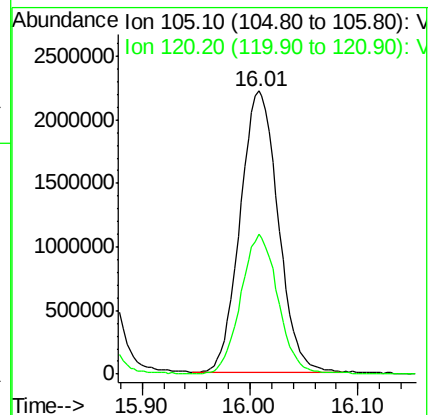
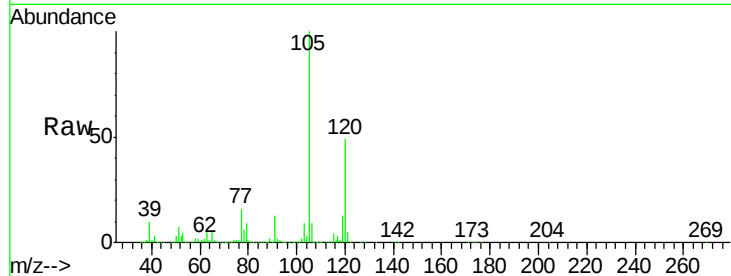
105 100

120 49.6 38.6 58.0

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#74

1,2,4-Trimethylbenzene

Concen: 9.897 ppbv

RT: 16.78 min Scan# 4351

Delta R.T. 0.04 min

Lab File: VL037145.D

Acq: 14 Jun 2021 11:48

Tgt Ion:105 Resp: 5617416

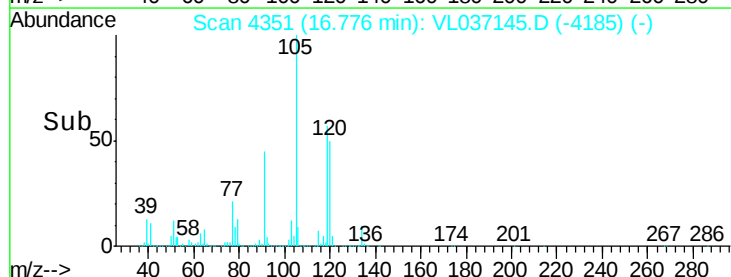
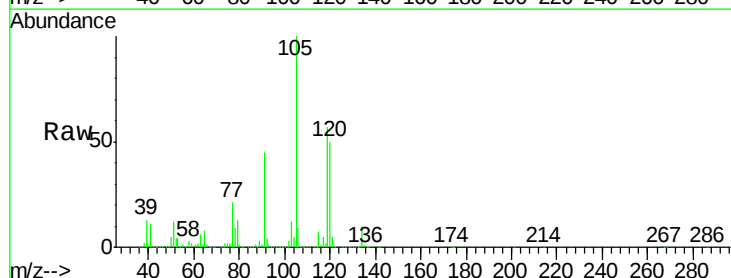
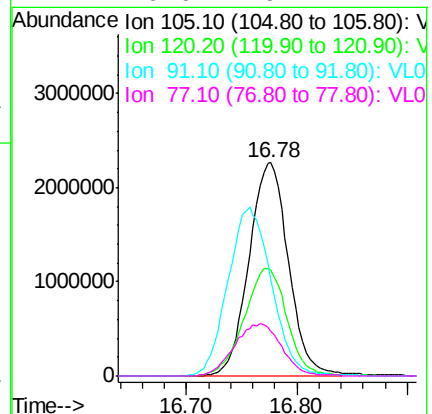
Ion Ratio Lower Upper

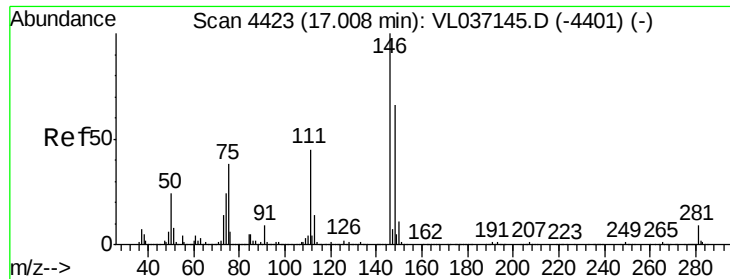
105 100

120 49.6 40.6 61.0

91 44.8 37.4 56.0

77 20.9 16.2 24.4





#75

1,3-Dichlorobenzene

Concen: 10.181 ppbv

RT: 17.01 min Scan# 4423

Delta R.T. 0.04 min

Lab File: VL037145.D

Acq: 14 Jun 2021 11:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:146 Resp: 3528800

Ion Ratio Lower Upper

146 100

111 44.8 22.2 66.6

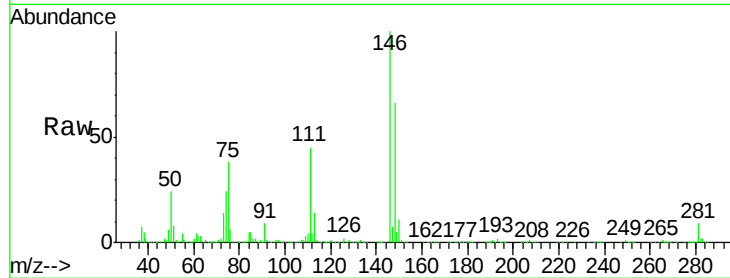
148 64.6 32.3 96.8

Manual Integrations

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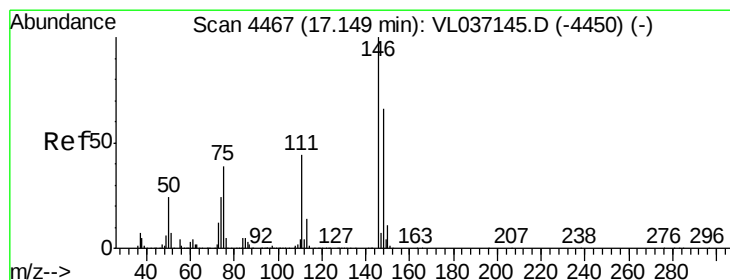
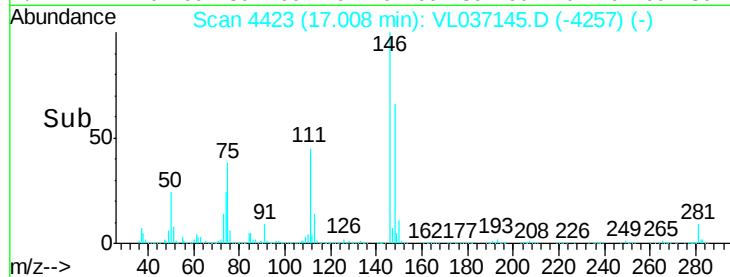
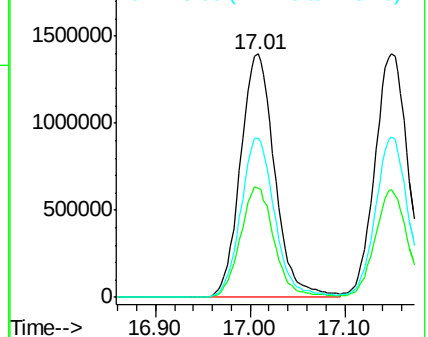
6/15/2021 5:17:04 PM



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



#76

1,4-Dichlorobenzene

Concen: 9.973 ppbv

RT: 17.15 min Scan# 4467

Delta R.T. 0.04 min

Lab File: VL037145.D

Acq: 14 Jun 2021 11:48

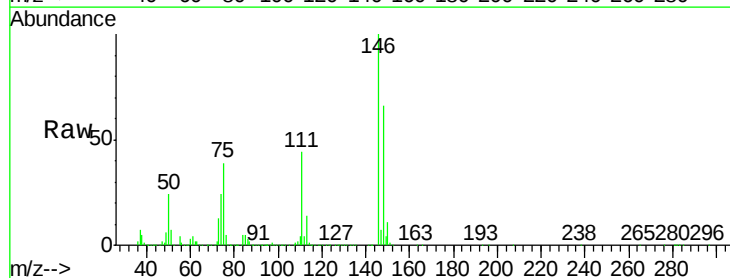
Tgt Ion:146 Resp: 3494775

Ion Ratio Lower Upper

146 100

111 43.7 22.6 67.7

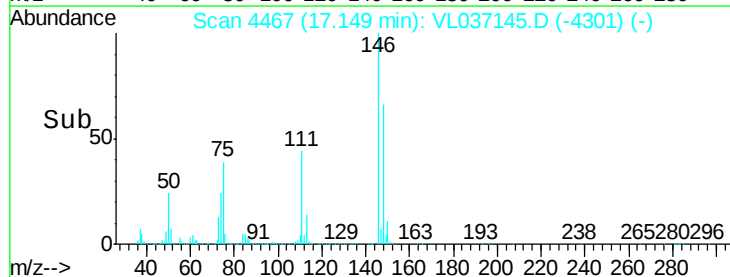
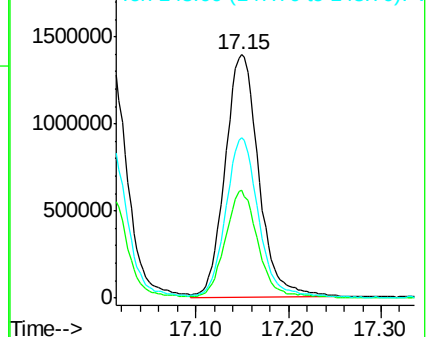
148 64.7 33.5 100.5

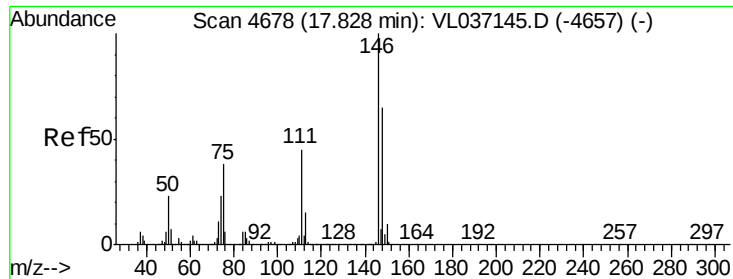


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





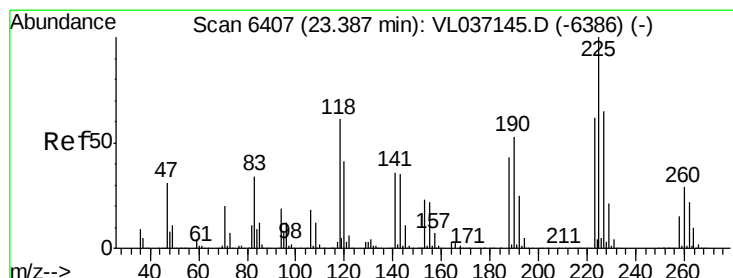
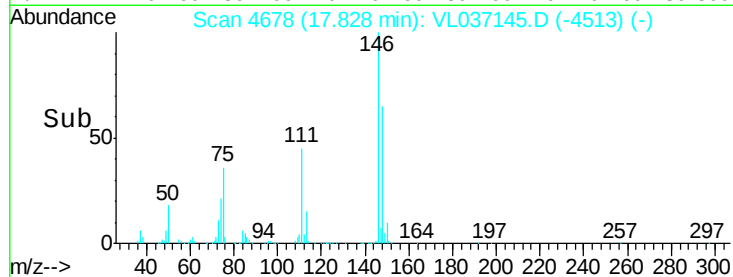
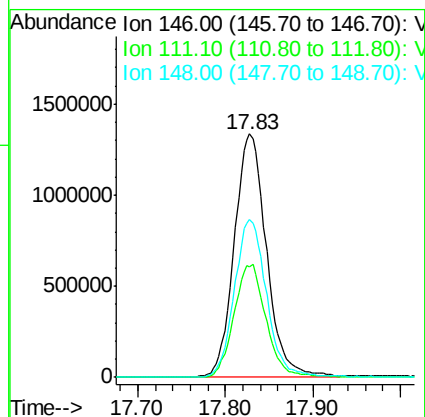
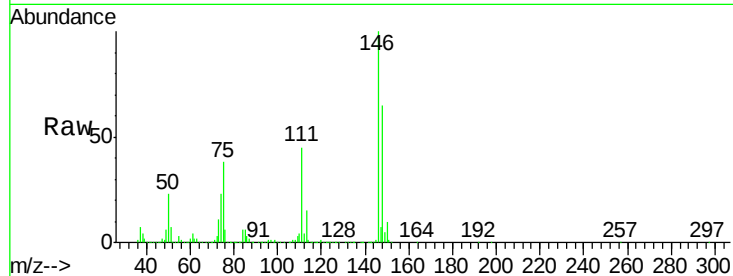
#77
 1,2-Dichlorobenzene
 Concen: 9.791 ppbv
 RT: 17.83 min Scan# 4678
 Delta R.T. 0.03 min
 Lab File: VL037145.D
 Acq: 14 Jun 2021 11:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.2	23.1	69.2
148	65.0	32.5	97.4

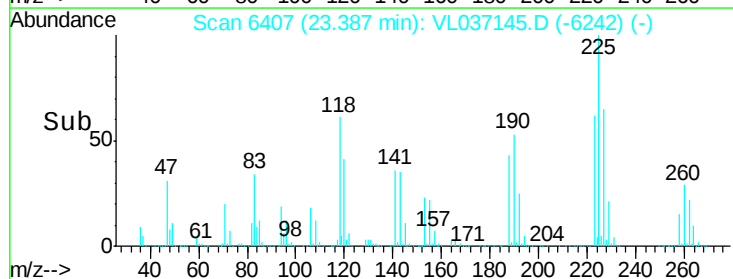
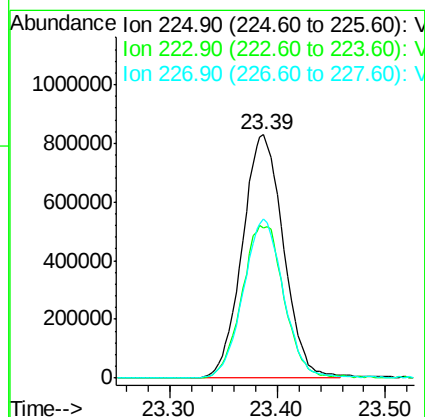
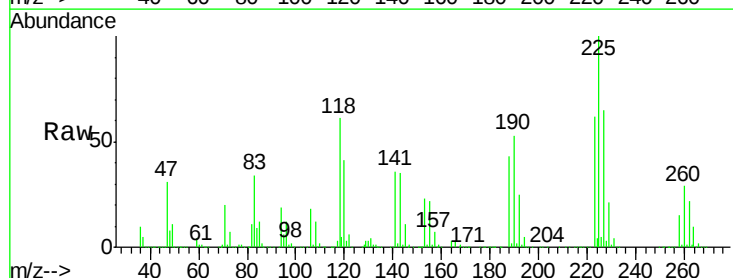
Manual Integrations
 APPROVED

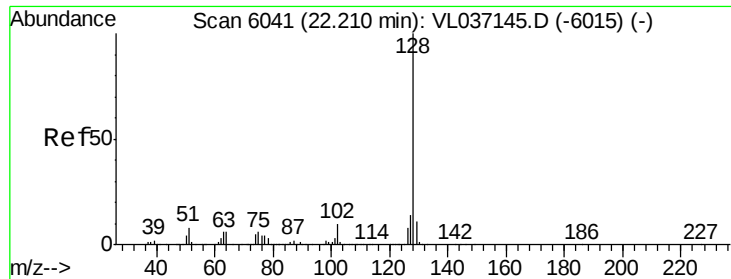
MMDadoda
 6/15/2021 5:17:04 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 7.847 ppbv
 RT: 23.39 min Scan# 6407
 Delta R.T. 0.03 min
 Lab File: VL037145.D
 Acq: 14 Jun 2021 11:48

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.2	51.9	77.9
227	64.4	51.8	77.6





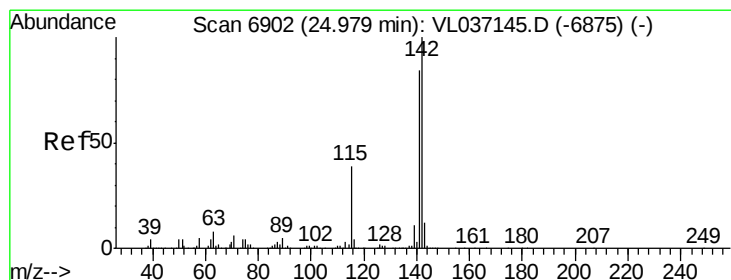
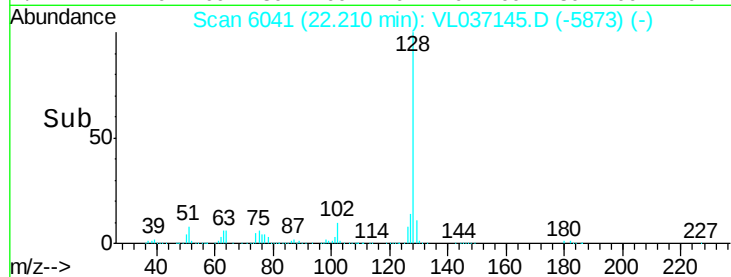
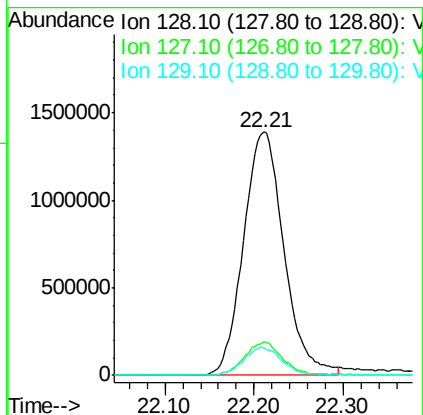
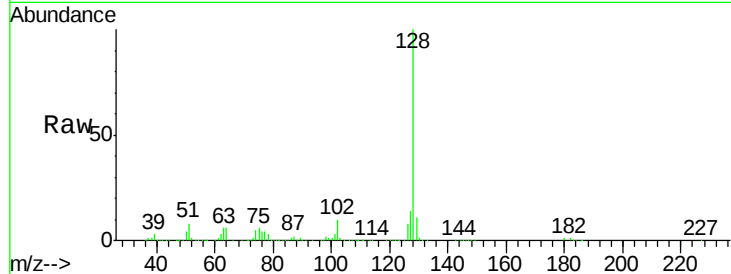
#79
Naphthalene
Concen: 9.836 ppbv
RT: 22.21 min Scan# 6041
Delta R.T. 0.04 min
Lab File: VL037145.D
Acq: 14 Jun 2021 11:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion:128 Resp: 4380274
Ion Ratio Lower Upper
128 100
127 13.6 10.4 15.6
129 11.2 9.0 13.6

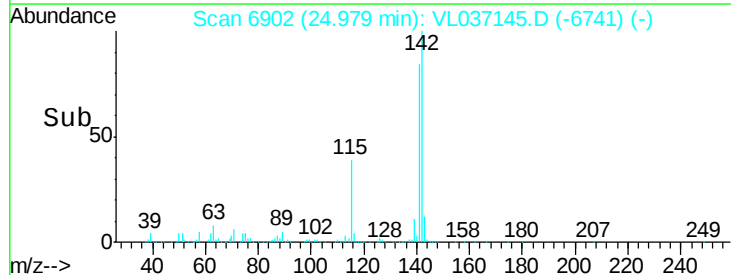
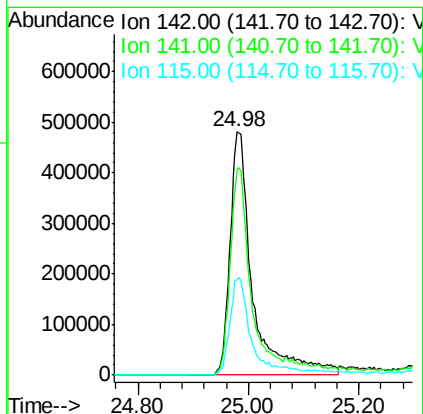
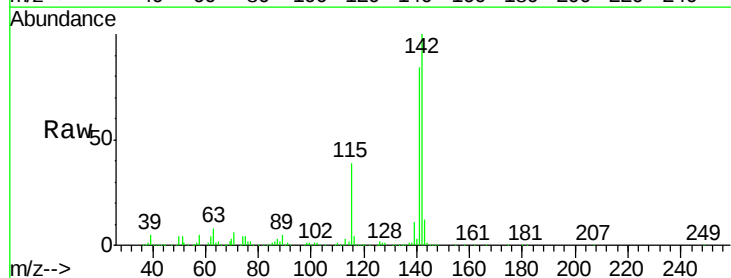
Manual Integrations
APPROVED

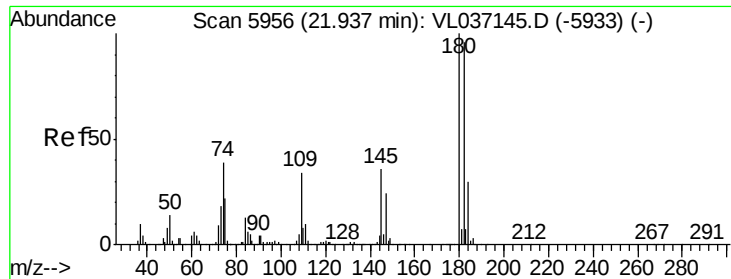
MMDadoda
6/15/2021 5:17:04 PM



#80
Naphthalene, 2-methyl-
Concen: 14.226 ppbv
RT: 24.98 min Scan# 6902
Delta R.T. 0.02 min
Lab File: VL037145.D
Acq: 14 Jun 2021 11:48

Tgt Ion:142 Resp: 1377685
Ion Ratio Lower Upper
142 100
141 83.4 69.3 103.9
115 40.2 29.1 43.7





#81
 1,2,4-Trichlorobenzene
 Concen: 9.192 ppbv
 RT: 21.94 min Scan# 5956
 Delta R.T. 0.04 min
 Lab File: VL037145.D
 Acq: 14 Jun 2021 11:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.7	81.7	122.5
184	31.4	24.9	37.3

Manual Integrations
 APPROVED

MMDadoda
 6/15/2021 5:17:04 PM

