

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061721\
 Data File : VL037195.D
 Acq On : 17 Jun 2021 10:17
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

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 6/21/2021 12:53:46 PM

Quant Time: Jun 18 01:33:19 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 1
 QLast Update : Wed Jun 16 14:06:32 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1515584	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4462329	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	4283505m	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.41	95	3203641	9.87	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	2552504	9.684	ppbv	98
3) Chlorodifluoromethane	2.99	51	2727373	9.255	ppbv	100
4) Chloromethane	3.14	50	949336	9.666	ppbv	99
5) Vinyl Chloride	3.26	62	1042985	9.662	ppbv	100
6) Bromomethane	3.47	94	634684	9.856	ppbv	94
7) Chloroethane	3.56	64	377104	9.773	ppbv	94
8) Dichlorotetrafluoroethane	3.19	85	2597459	9.606	ppbv	97
9) Propene	3.01	41	915659	9.717	ppbv	98
10) Heptane	8.12	43	2254427	9.879	ppbv	99
11) Trichlorofluoromethane	3.95	101	2691980	9.572	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1877720	9.471	ppbv	100
13) Ethanol	3.61	45	121467	8.333	ppbv	57
14) Bromoethene	3.74	108	822728	9.943	ppbv	100
15) Acetone	3.85	43	1349485	7.896	ppbv	98
16) 1,3-Butadiene	3.32	39	1004319	9.940	ppbv	99
17) tert-Butyl alcohol	4.29	59	1720297	10.891	ppbv	99
18) 1,1-Dichloroethene	4.29	96	828310	9.428	ppbv	93
19) Isopropyl Alcohol	3.97	45	1016644	9.821	ppbv #	98
20) Methylene Chloride	4.34	84	743341	7.265	ppbv	99
21) Allyl Chloride	4.41	41	1247083	9.680	ppbv	98
22) trans-1,2-Dichloroethene	4.89	96	864644	9.946	ppbv	93
23) Vinyl Acetate	5.07	43	2528030	10.316	ppbv	98
24) 1,1-Dichloroethane	5.01	63	1871523	9.485	ppbv	100
25) Ethyl Acetate	5.68	43	3597569	9.723	ppbv	100
26) Hexane	5.69	57	1725345	9.226	ppbv	99
27) Carbon Disulfide	4.55	76	2026923	11.063	ppbv	100
28) Methyl tert-Butyl Ether	5.03	73	2224642	9.895	ppbv	100
29) Chloroform	5.75	83	2749742	9.519	ppbv	98
30) Cyclohexane	7.13	84	1502217	9.641	ppbv	99
31) cis-1,2-Dichloroethene	5.55	61	1737614	10.112	ppbv	97
32) 1,1,1-Trichloroethane	6.51	97	2853799	9.232	ppbv	100
34) 2-Butanone	5.24	43	1668216	9.613	ppbv	100
35) Carbon Tetrachloride	7.02	117	3037404	10.149	ppbv	98
36) Benzene	6.89	78	3538921	9.808	ppbv	100
37) 1,2-Dichloroethane	6.31	62	2075459	9.901	ppbv	100
38) Trichloroethene	7.83	130	1491585	8.696	ppbv	99
39) 1,2-Dichloropropane	7.61	63	1368348	10.205	ppbv	99
40) 1,4-Dioxane	7.83	88	342963	9.327	ppbv #	1
41) Tetrahydrofuran	6.05	42	832051	10.322	ppbv	98
42) Bromodichloromethane	7.79	83	2926833	10.121	ppbv	99
43) Methyl Methacrylate	8.01	69	1312925	10.536	ppbv	99

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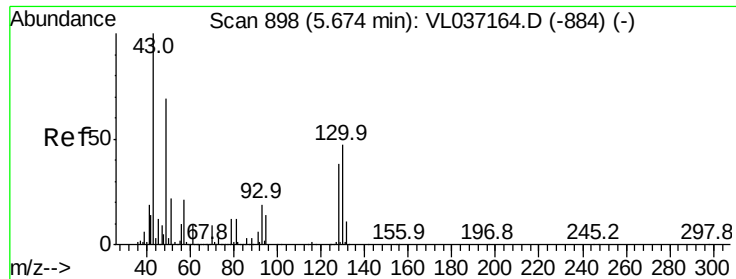
Manual Integrations
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 1
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	5854725	9.636	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	1338102	12.171	ppbv	100
46) cis-1,3-Dichloropropene	8.70	75	1712738	11.388	ppbv	99
47) 1,1,2-Trichloroethane	9.47	97	1499700	9.804	ppbv	98
48) Dibromochloromethane	10.30	129	2670034	11.057	ppbv	99
49) Bromoform	13.04	173	2150838	11.955	ppbv	98
50) 4-Methyl-2-Pentanone	8.74	43	2487775	10.437	ppbv	100
51) 2-Hexanone	10.14	43	1255524	10.825	ppbv #	98
52) Tetrachloroethene	11.22	164	1478641	8.819	ppbv	97
53) Toluene	9.81	91	4245863	9.851	ppbv	99
54) 1,2-Dibromoethane	10.61	107	2253090	10.249	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.12	131	1810158	9.665	ppbv #	61
57) Chlorobenzene	12.15	112	3249594	9.354	ppbv	96
58) Ethyl Benzene	12.71	91	5632484	9.552	ppbv	98
59) m/p-Xylene	13.00	91	9476461m	18.964	ppbv	
60) o-Xylene	13.69	91	4495055	9.447	ppbv	100
61) Styrene	13.53	104	2583914	10.522	ppbv	98
62) Isopropylbenzene	14.66	105	6215998	9.187	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.68	83	2966247	9.362	ppbv	99
64) n-propylbenzene	15.56	120	1704813	10.061	ppbv	97
65) tert-Butylbenzene	16.74	119	5672336	9.452	ppbv	99
66) Benzyl Chloride	16.99	91	290994	11.443	ppbv	100
67) sec-Butylbenzene	17.29	105	7600898	9.498	ppbv	100
69) p-Isopropyltoluene	17.65	119	6651791	9.841	ppbv	100
70) n-Butylbenzene	18.55	91	6323368	10.108	ppbv	99
71) 2-Chlorotoluene	15.45	91	4571514	9.664	ppbv	100
72) 4-Ethyltoluene	15.84	105	5442353	10.068	ppbv	100
73) 1,3,5-Trimethylbenzene	16.00	105	5042730	9.651	ppbv	96
74) 1,2,4-Trimethylbenzene	16.76	105	5219626	9.695	ppbv	95
75) 1,3-Dichlorobenzene	17.00	146	3221295	9.840	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	3195254	9.773	ppbv	98
77) 1,2-Dichlorobenzene	17.82	146	3111554	9.826	ppbv	100
78) Hexachloro-1,3-Butadiene	23.37	225	2080246	7.640	ppbv	99
79) Naphthalene	22.20	128	4173371	9.297	ppbv	100
80) Naphthalene, 2-methyl-	24.97	142	944368	8.022	ppbv	95
81) 1,2,4-Trichlorobenzene	21.93	180	2329205	8.992	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 :

VSTDCCC010

Tot Ion: 49 Resp: 151584

Ion Ratio Lower Upper

49 100

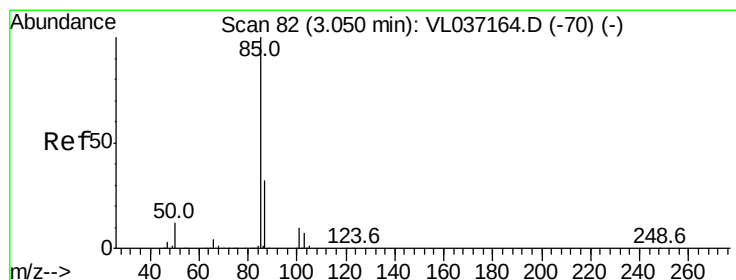
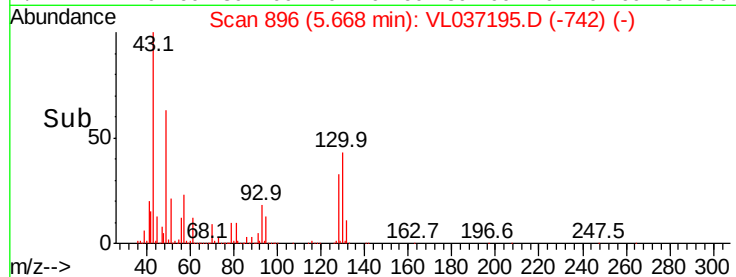
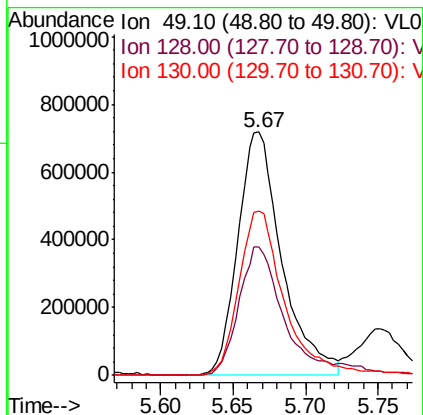
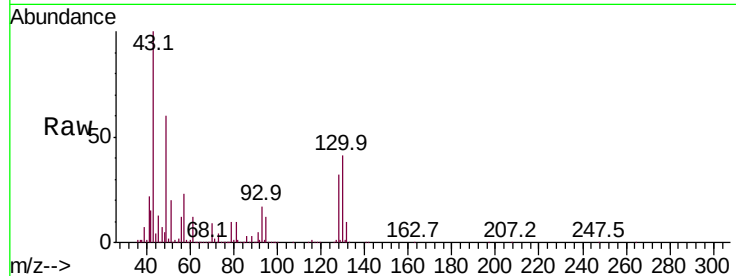
128 57.5 29.3 88.0

130 71.8 35.9 107.8

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#2

Dichlorodifluoromethane

Concen: 9.684 ppbv

RT: 3.05 min Scan# 81

Delta R.T. -0.00 min

Lab File: VL037195.D

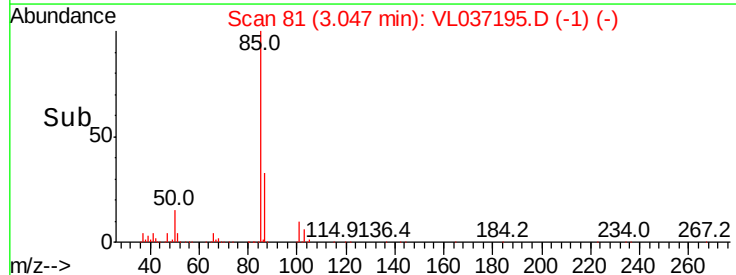
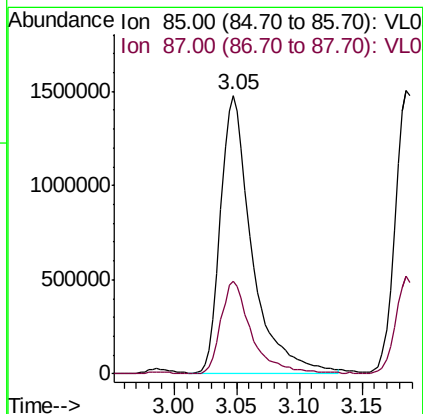
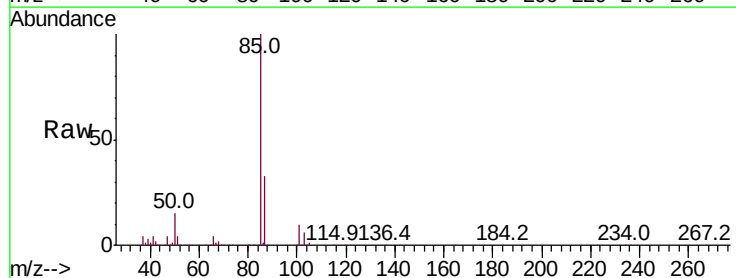
Acq: 17 Jun 2021 10:17

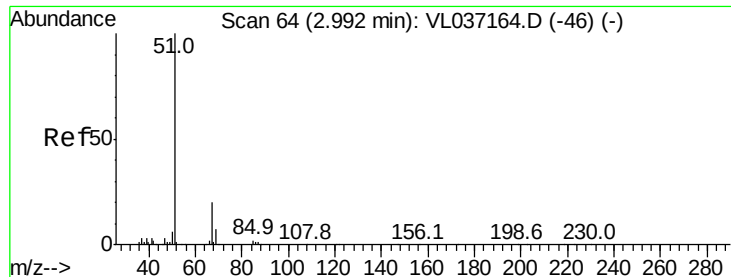
Tgt Ion: 85 Resp: 2552504

Ion Ratio Lower Upper

85 100

87 33.4 25.8 38.6





#3

Chlorodifluoromethane

Concen: 9.255 ppbv

RT: 2.99 min Scan# 62

Delta R.T. -0.01 min

Lab File: VL037195.D

Acq: 17 Jun 2021 10:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 51 Resp: 2727373

Ion Ratio Lower Upper

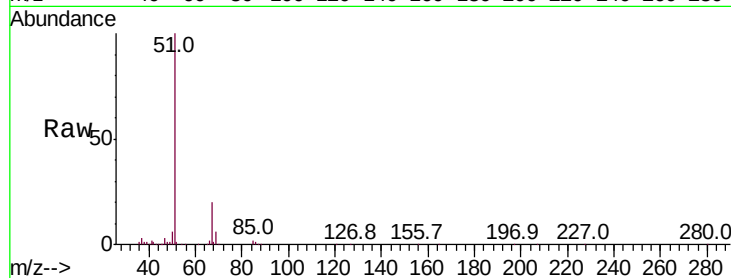
51 100

67 19.6 15.8 23.6

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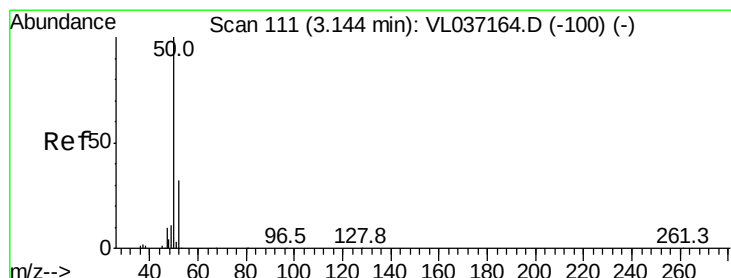
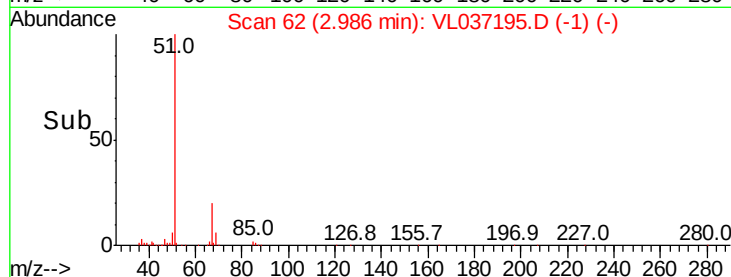
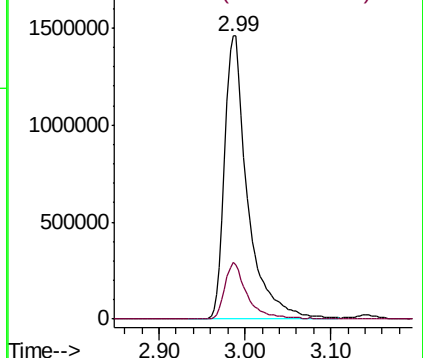
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.666 ppbv

RT: 3.14 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL037195.D

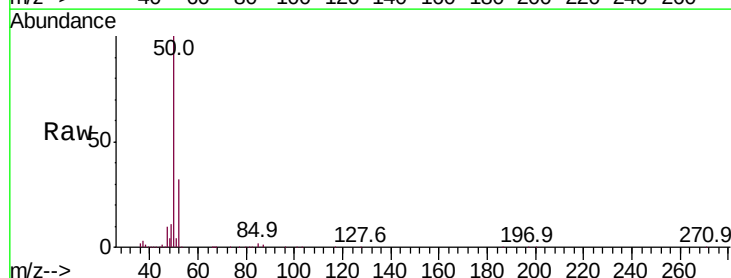
Acq: 17 Jun 2021 10:17

Tgt Ion: 50 Resp: 949336

Ion Ratio Lower Upper

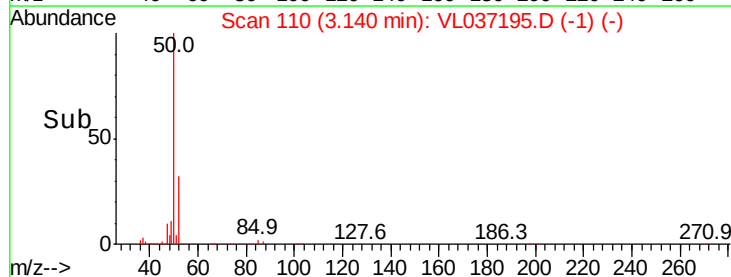
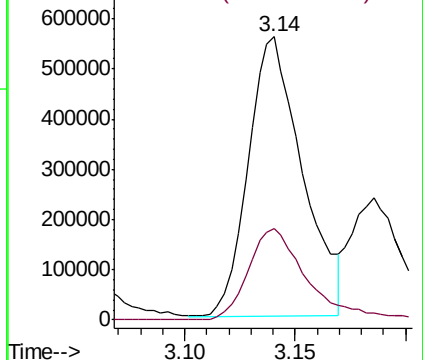
50 100

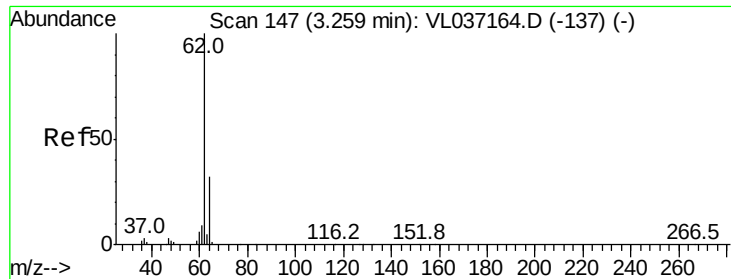
52 32.8 25.8 38.8



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.662 ppbv

RT: 3.26 min Scan# 146

Delta R.T. -0.00 min

Lab File: VL037195.D

Acq: 17 Jun 2021 10:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 62 Resp: 1042985

Ion Ratio Lower Upper

62 100

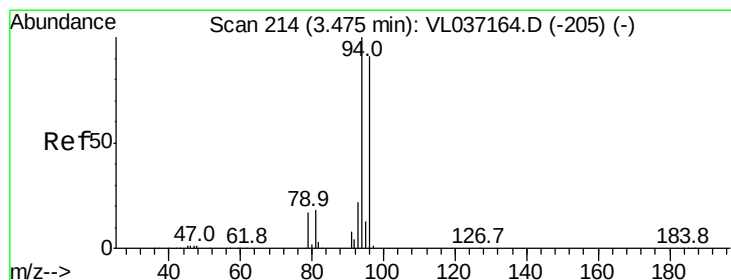
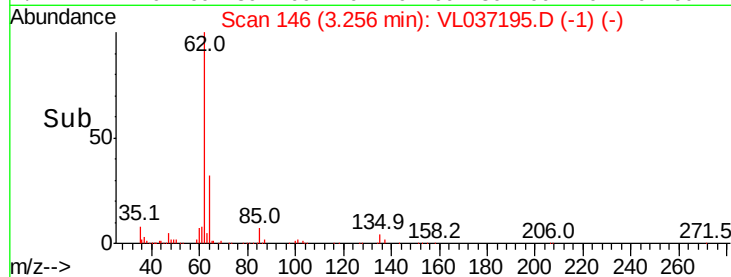
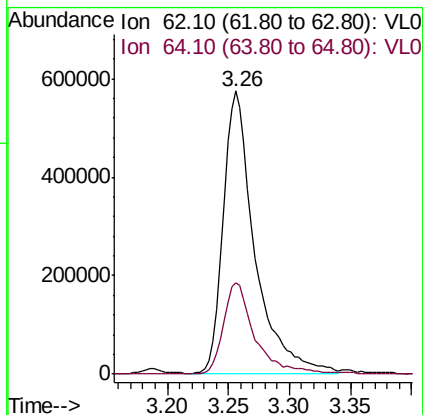
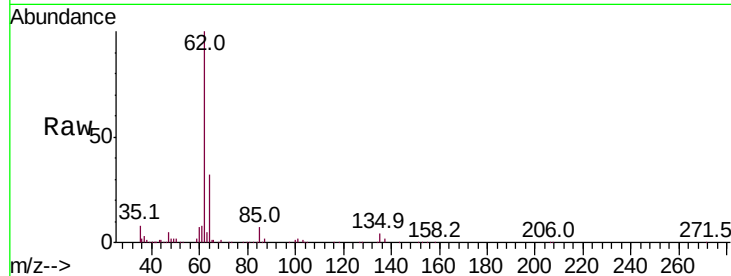
64 32.2 25.6 38.4

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#6

Bromomethane

Concen: 9.856 ppbv

RT: 3.47 min Scan# 214

Delta R.T. 0.00 min

Lab File: VL037195.D

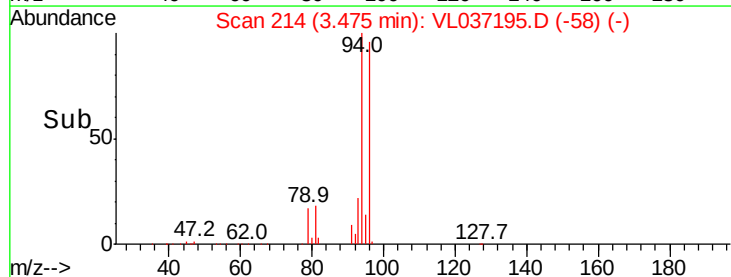
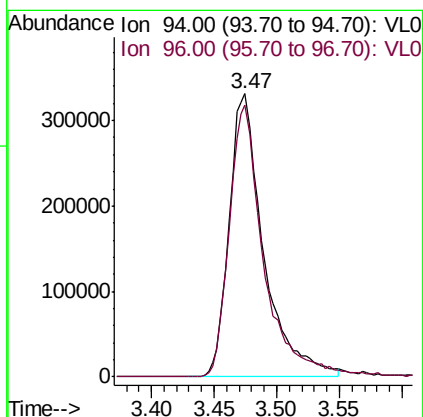
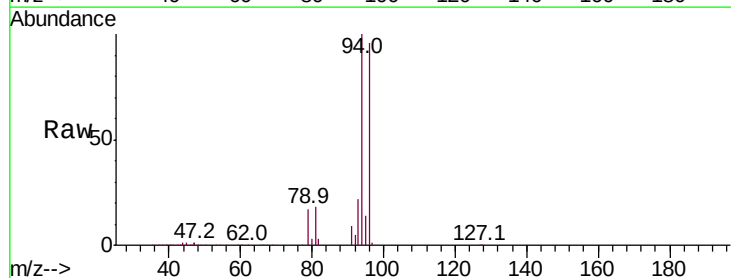
Acq: 17 Jun 2021 10:17

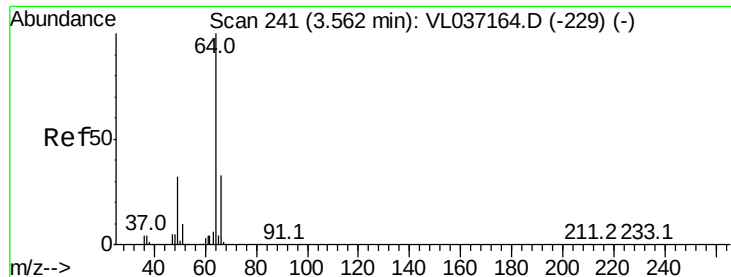
Tgt Ion: 94 Resp: 634684

Ion Ratio Lower Upper

94 100

96 96.1 72.6 108.8





#7

Chloroethane

Concen: 9.773 ppbv

RT: 3.56 min Scan# 239

Delta R.T. -0.01 min

Lab File: VL037195.D

Acq: 17 Jun 2021 10:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 64 Resp: 377104

Ion Ratio Lower Upper

64 100

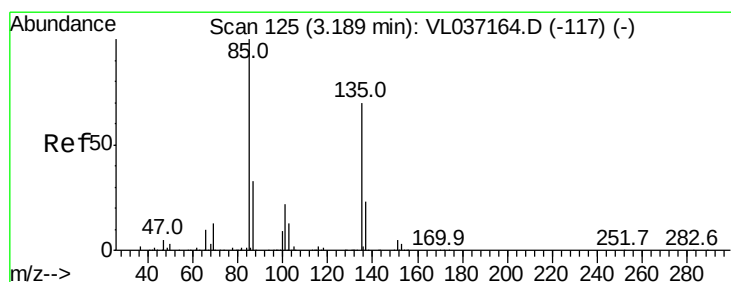
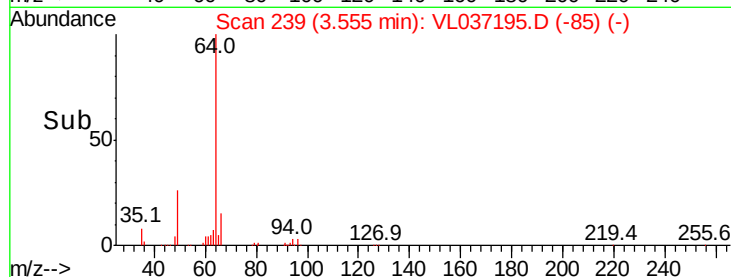
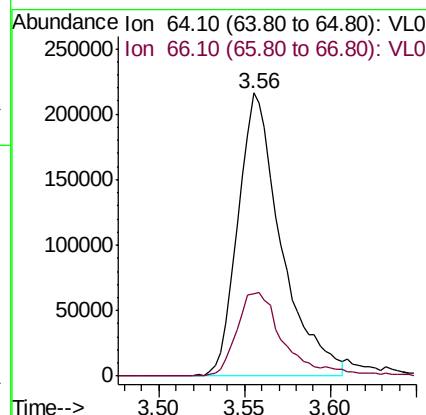
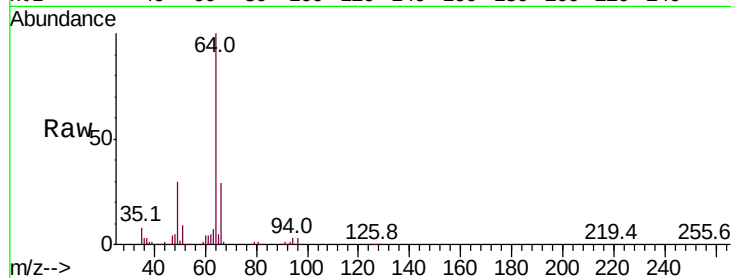
66 29.3 26.2 39.4

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 9.606 ppbv

RT: 3.19 min Scan# 124

Delta R.T. -0.00 min

Lab File: VL037195.D

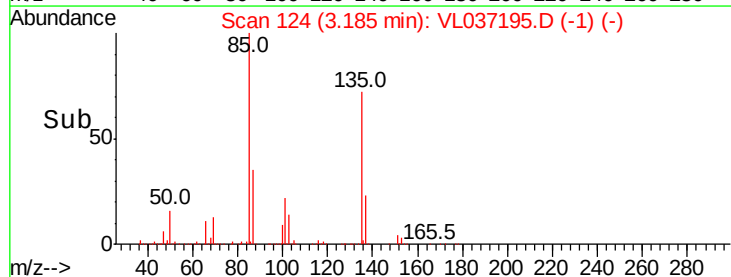
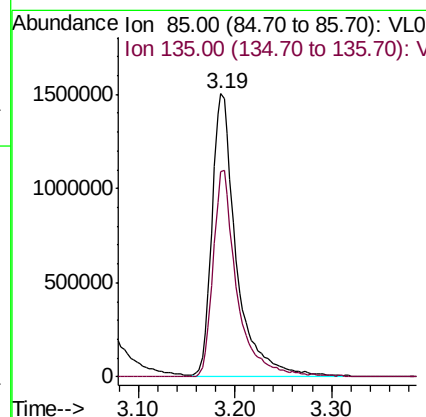
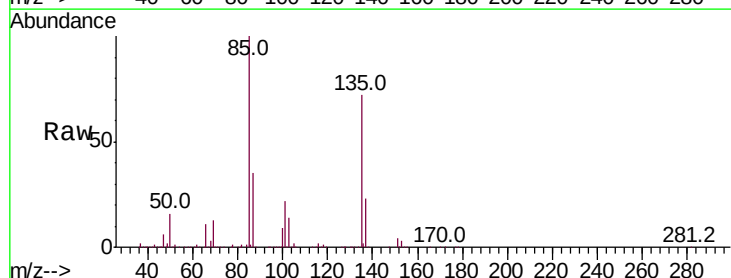
Acq: 17 Jun 2021 10:17

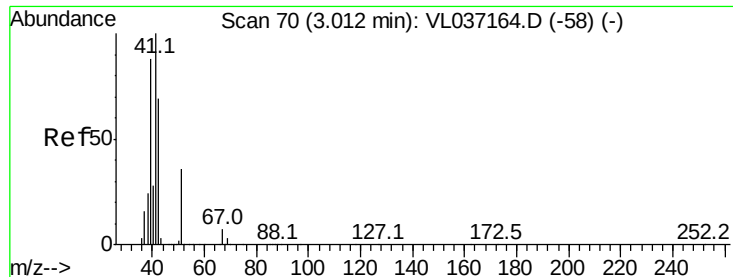
Tgt Ion: 85 Resp: 2597459

Ion Ratio Lower Upper

85 100

135 73.1 60.4 90.6





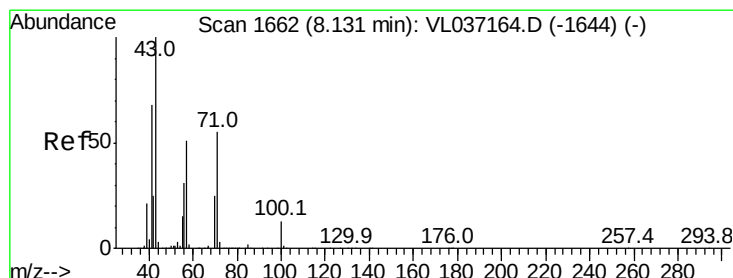
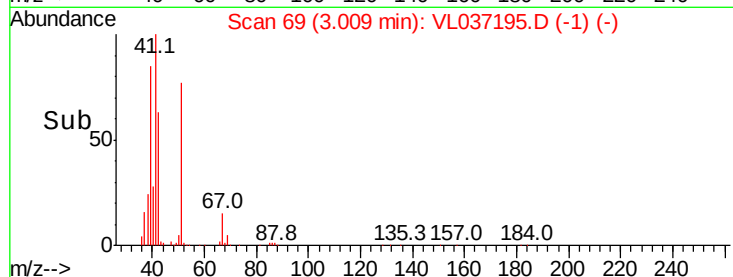
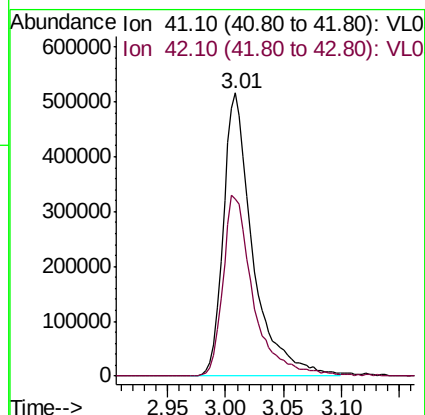
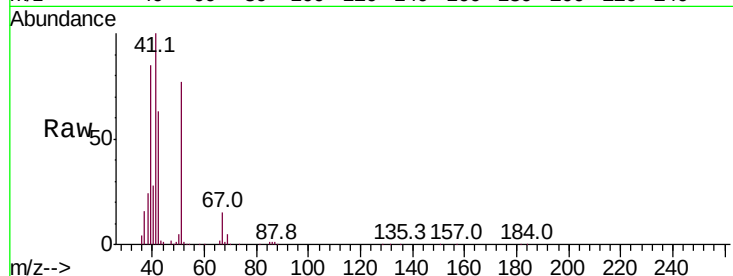
#9
Propene
Concen: 9.717 ppbv
RT: 3.01 min Scan# 69
Delta R.T. -0.00 min
Lab File: VL037195.D
Acq: 17 Jun 2021 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 41 Resp: 915659
Ion Ratio Lower Upper
41 100
42 66.1 54.5 81.7

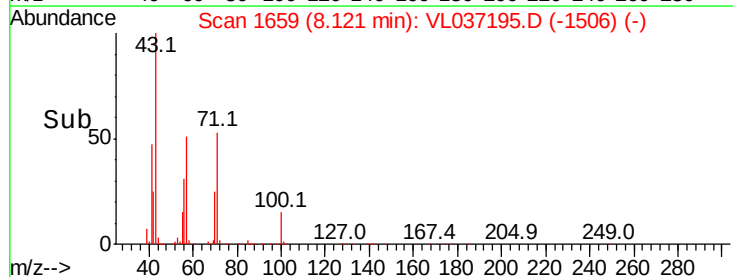
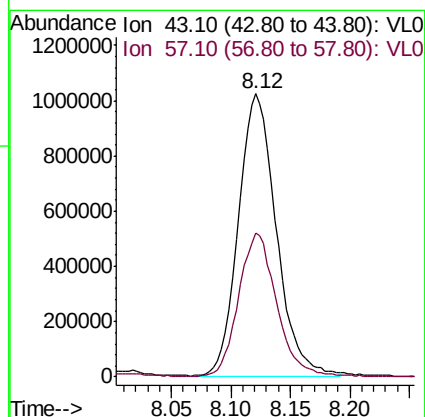
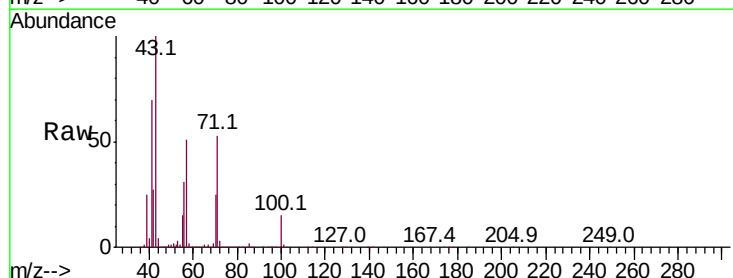
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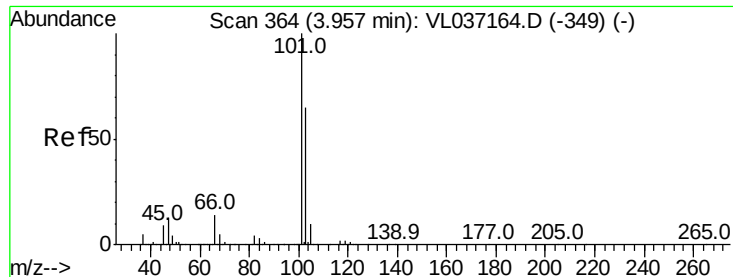
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#10
Heptane
Concen: 9.879 ppbv
RT: 8.12 min Scan# 1659
Delta R.T. -0.01 min
Lab File: VL037195.D
Acq: 17 Jun 2021 10:17

Tgt Ion: 43 Resp: 2254427
Ion Ratio Lower Upper
43 100
57 51.4 40.6 61.0





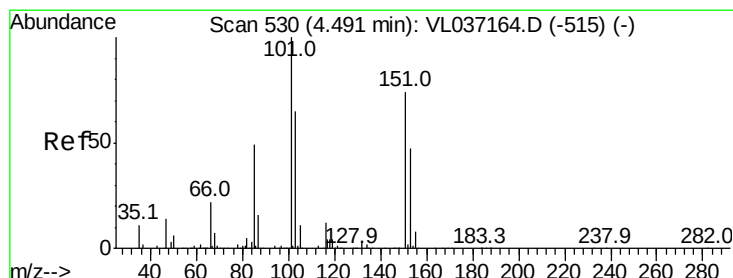
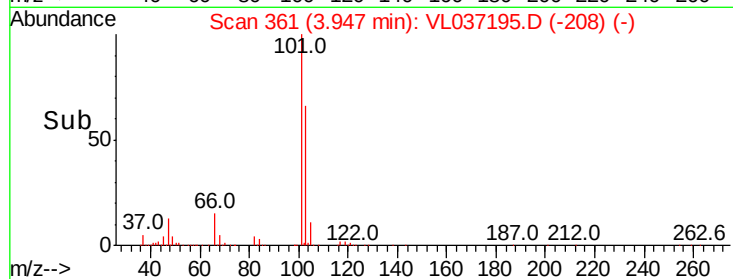
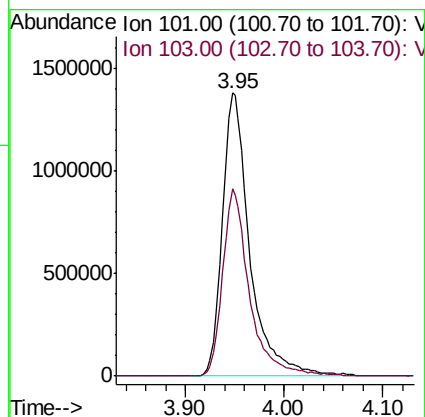
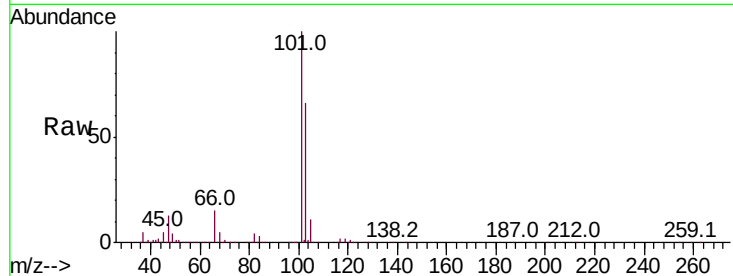
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 Trichlorofluoromethane
 Concen: 9.572 ppbv
 RT: 3.95 min Scan# 361
 Delta R.T. -0.01 min
 Lab File: VL037195.D
 Acq: 17 Jun 2021 10:17

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:101 Resp: 2691980
 Ion Ratio Lower Upper
 101 100
 103 66.1 52.2 78.4

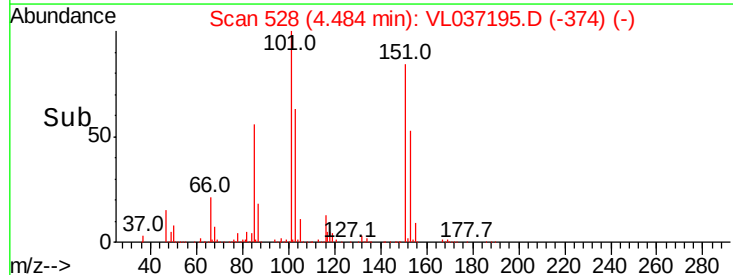
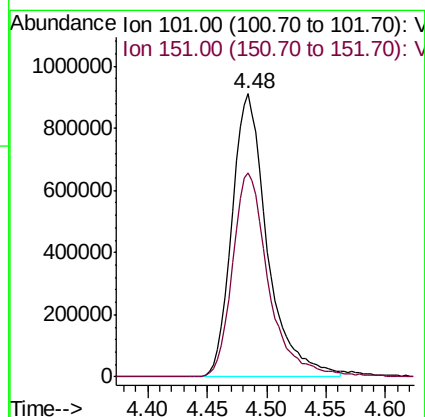
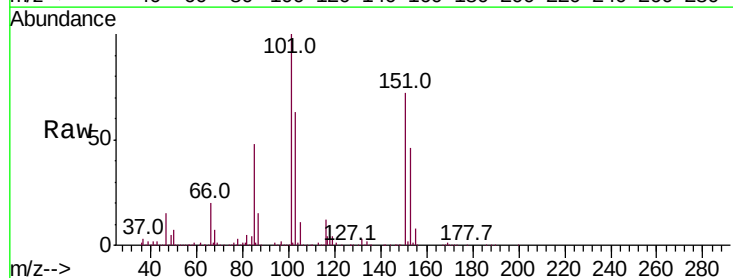
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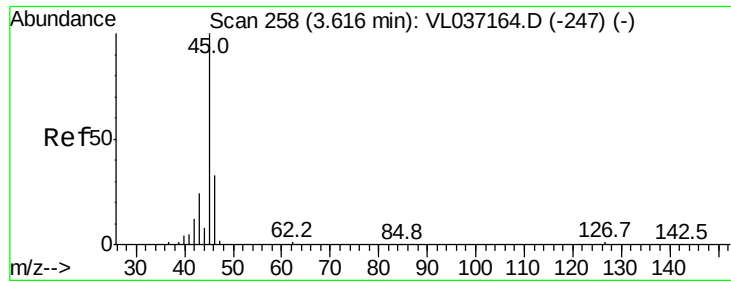
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.471 ppbv
 RT: 4.48 min Scan# 528
 Delta R.T. -0.01 min
 Lab File: VL037195.D
 Acq: 17 Jun 2021 10:17

Tgt Ion:101 Resp: 1877720
 Ion Ratio Lower Upper
 101 100
 151 74.2 59.1 88.7





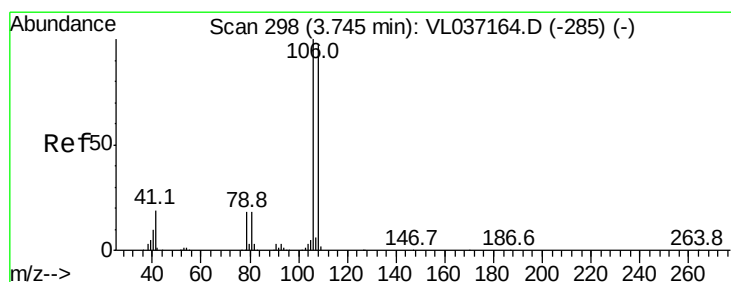
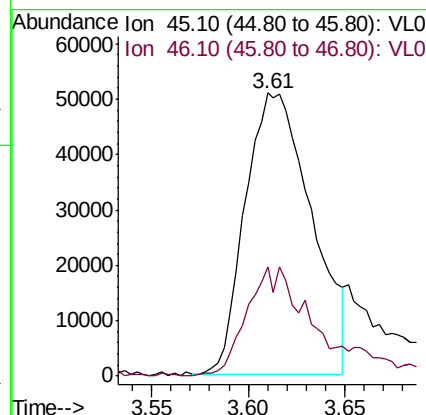
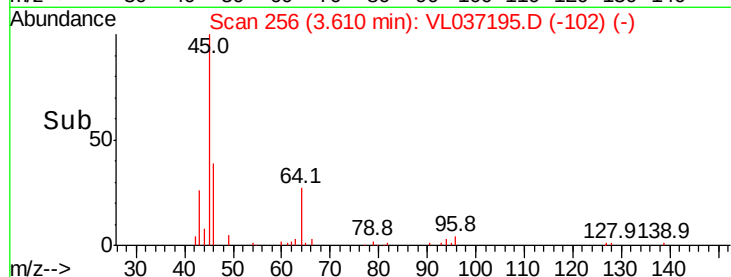
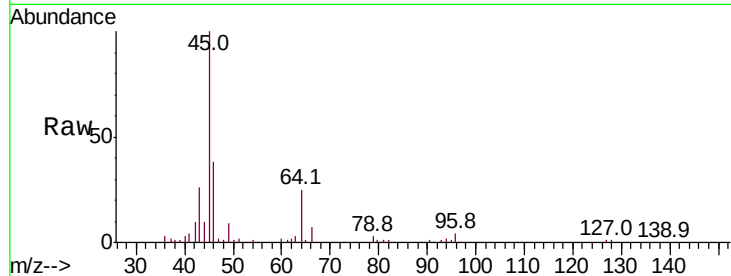
#13
Ethanol
Concen: 8.333 ppbv
RT: 3.61 min Scan# 256
Delta R.T. -0.01 min
Lab File: VL037195.D
Acq: 17 Jun 2021 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
45	100		
46	46.3	34.2	137.0

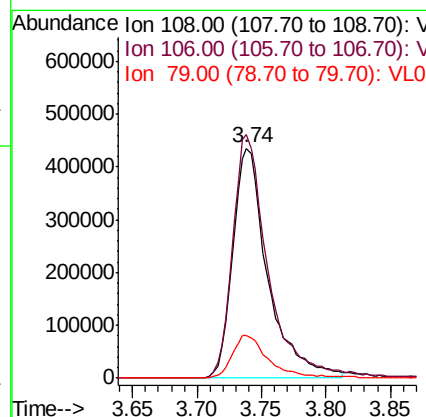
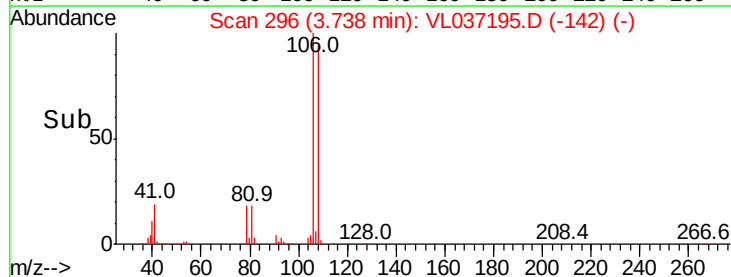
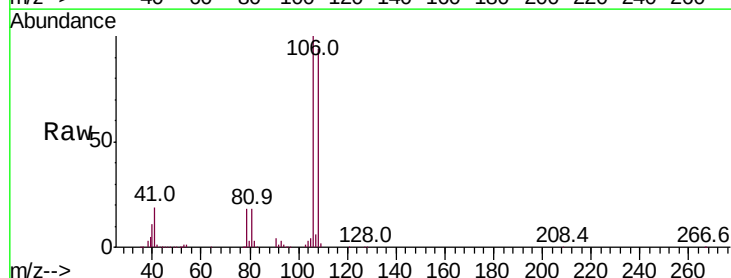
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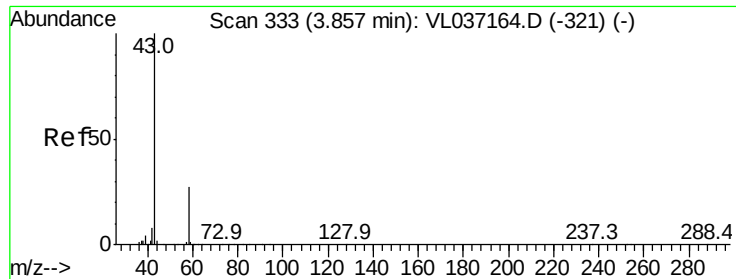
MMDadoda
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#14
Bromoethene
Concen: 9.943 ppbv
RT: 3.74 min Scan# 296
Delta R.T. -0.01 min
Lab File: VL037195.D
Acq: 17 Jun 2021 10:17

Tgt Ion	Ratio	Lower	Upper
108	100		
106	108.7	86.8	130.2
79	19.7	15.6	23.4





#15

Acetone

Concen: 7.896 ppbv

RT: 3.85 min Scan# 331

Delta R.T. -0.01 min

Lab File: VL037195.D

Acq: 17 Jun 2021 10:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1349485

Ion Ratio Lower Upper

43 100

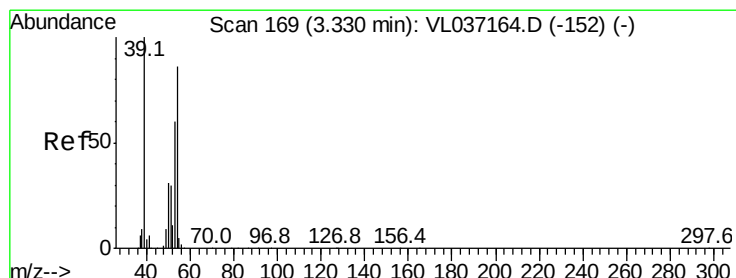
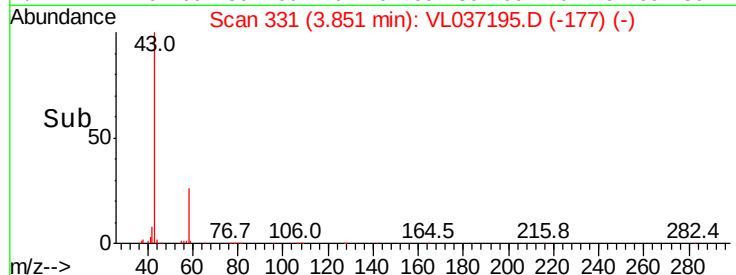
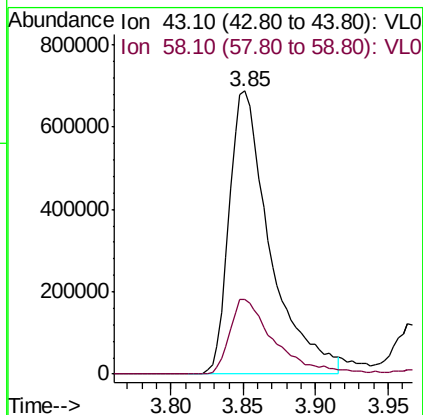
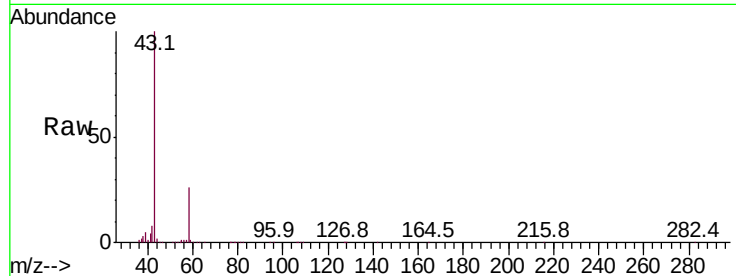
58 28.8 23.7 35.5

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#16

1,3-Butadiene

Concen: 9.940 ppbv

RT: 3.32 min Scan# 167

Delta R.T. -0.01 min

Lab File: VL037195.D

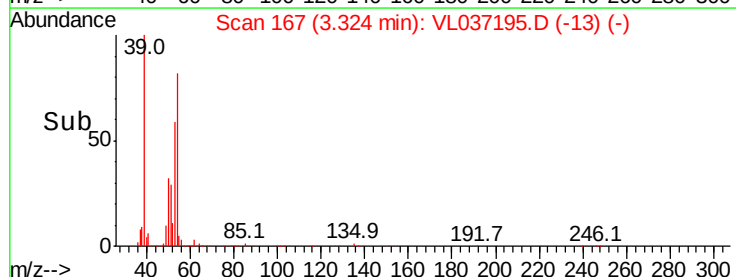
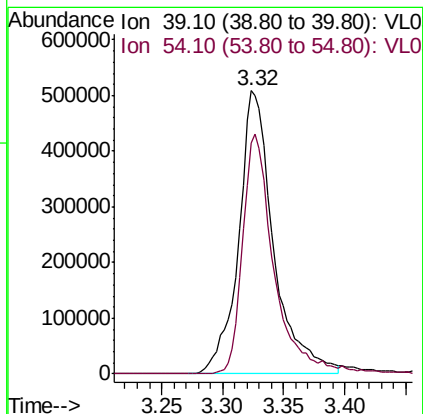
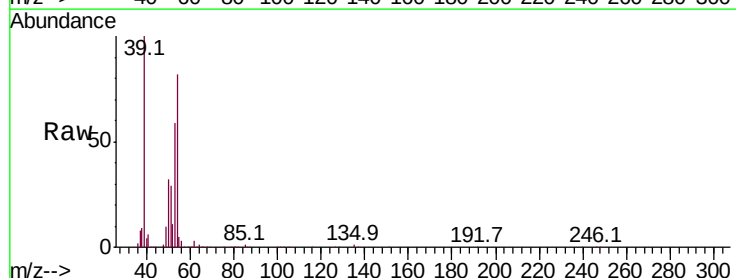
Acq: 17 Jun 2021 10:17

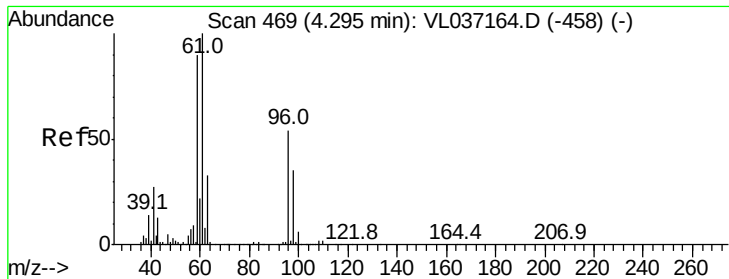
Tgt Ion: 39 Resp: 1004319

Ion Ratio Lower Upper

39 100

54 77.1 61.2 91.8





#17

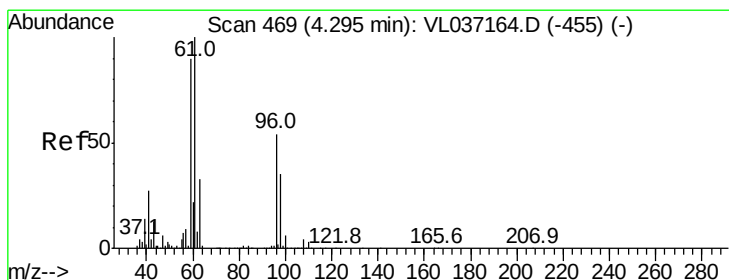
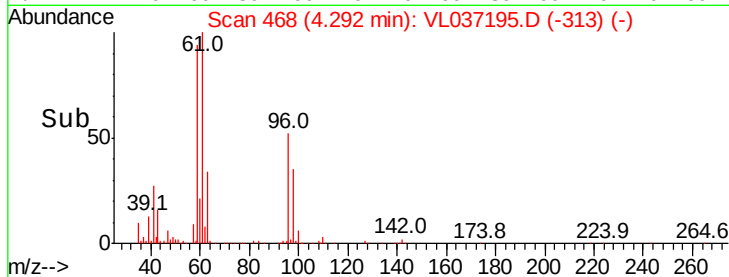
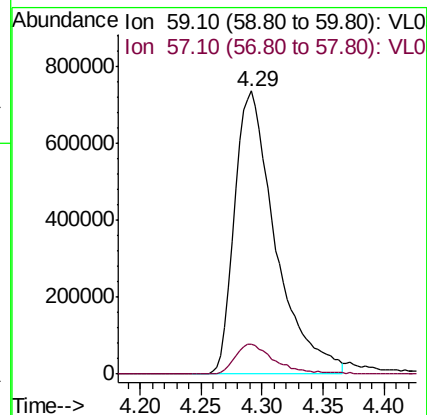
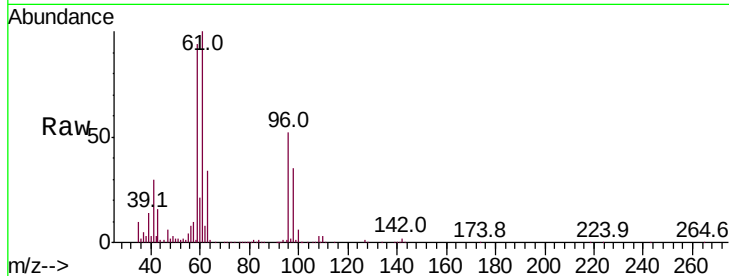
tert-Butyl alcohol
Concen: 10.891 ppbv
RT: 4.29 min Scan# 468
Delta R.T. -0.00 min
Lab File: VL037195.D
Acq: 17 Jun 2021 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 59 Resp: 1720297
Ion Ratio Lower Upper
59 100
57 10.7 8.8 13.2

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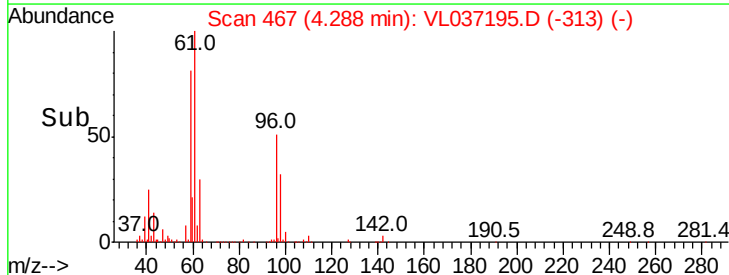
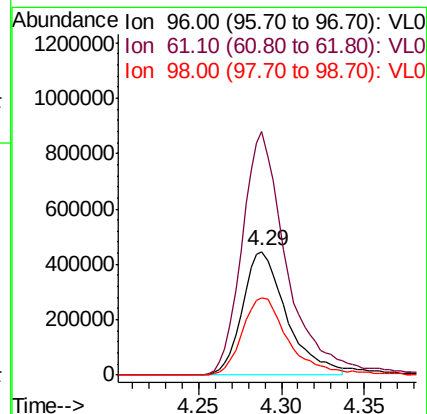
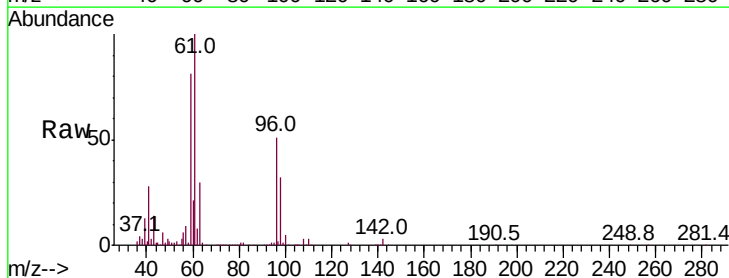
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6/21/2021 12:53:46 PM

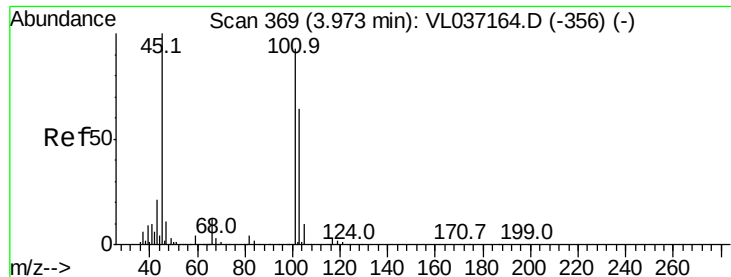


#18

1,1-Dichloroethene
Concen: 9.428 ppbv
RT: 4.29 min Scan# 467
Delta R.T. -0.01 min
Lab File: VL037195.D
Acq: 17 Jun 2021 10:17

Tgt Ion: 96 Resp: 828310
Ion Ratio Lower Upper
96 100
61 197.4 148.6 222.8
98 63.0 51.9 77.9





#19

Isopropyl Alcohol

Concen: 9.821 ppbv

RT: 3.97 min Scan# 367

Delta R.T. -0.01 min

Lab File: VL037195.D

Acq: 17 Jun 2021 10:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 45 Resp: 1016644

Ion Ratio Lower Upper

45 100

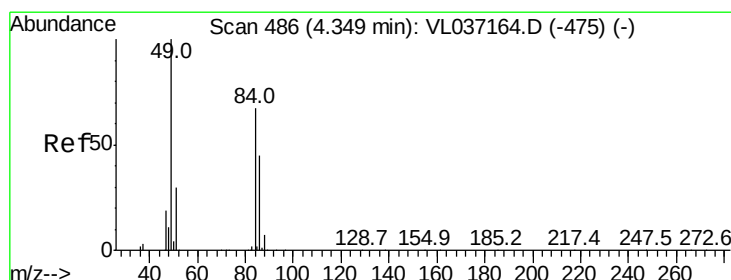
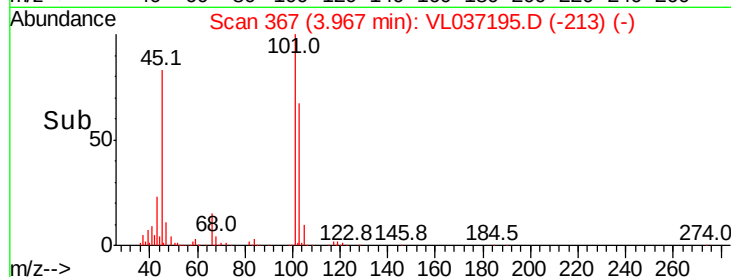
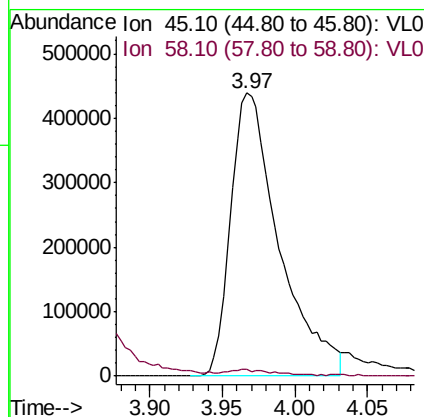
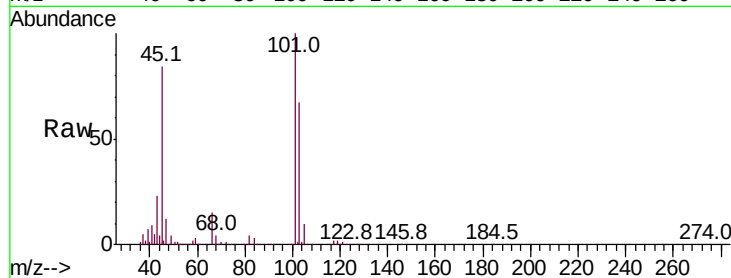
58 2.3 2.4 3.6#

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#20

Methylene Chloride

Concen: 7.265 ppbv

RT: 4.34 min Scan# 484

Delta R.T. -0.01 min

Lab File: VL037195.D

Acq: 17 Jun 2021 10:17

Tgt Ion: 84 Resp: 743341

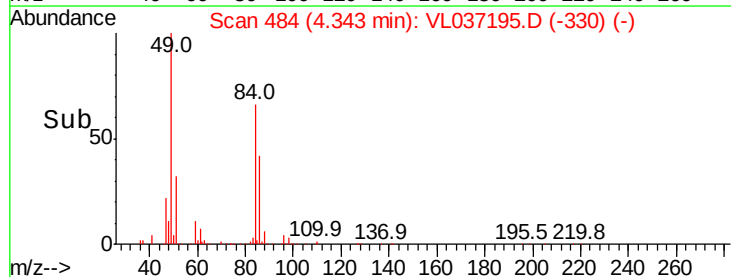
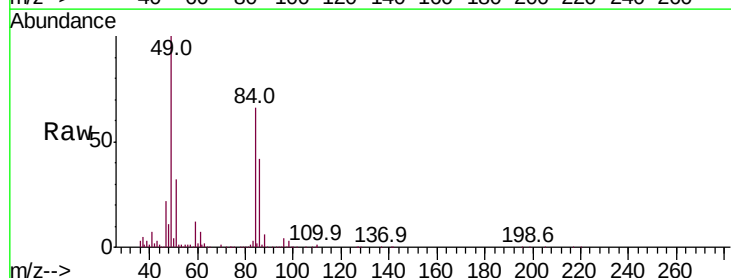
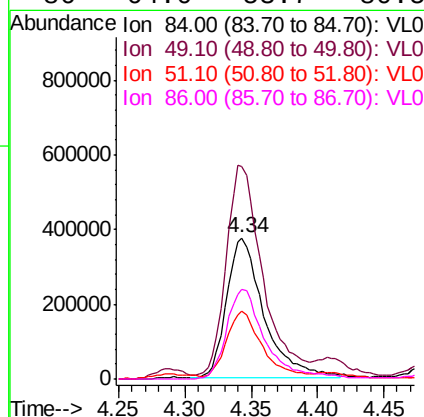
Ion Ratio Lower Upper

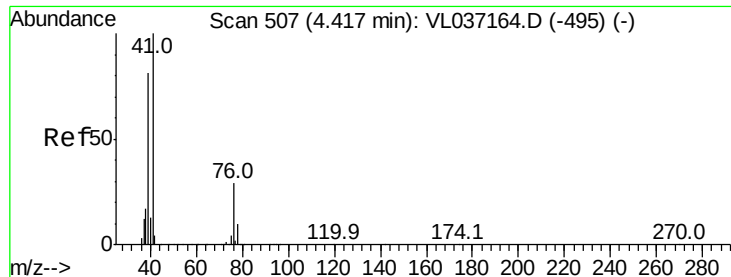
84 100

49 149.0 119.7 179.5

51 45.8 36.1 54.1

86 64.0 53.7 80.5





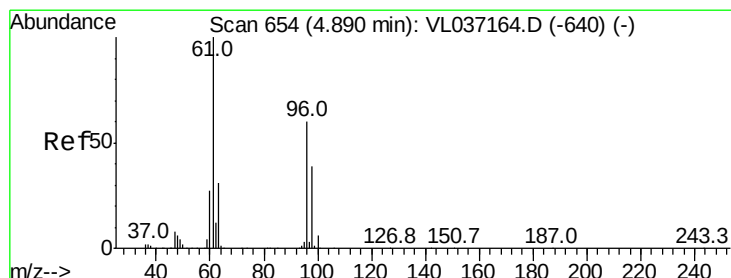
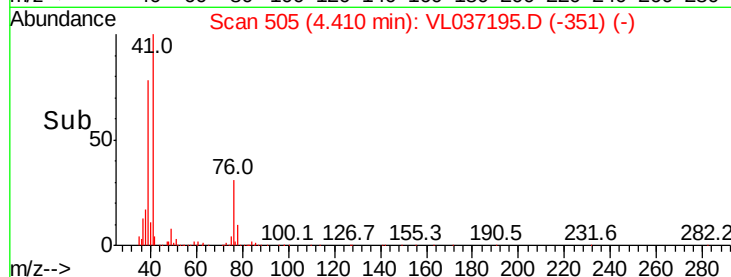
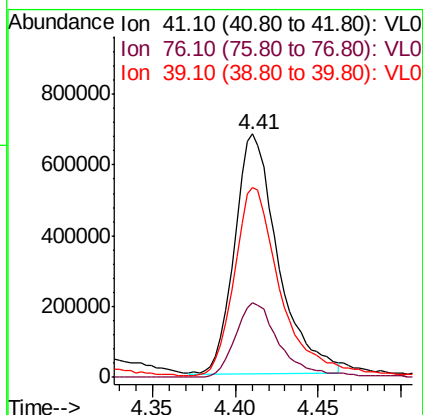
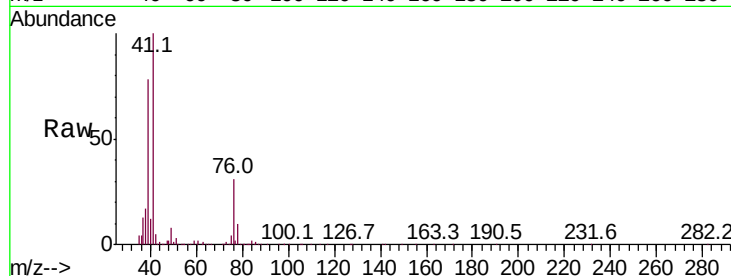
#21
Allvl Chloride
Concen: 9.680 ppbv
RT: 4.41 min Scan# 505
Delta R.T. -0.01 min
Lab File: VL037195.D
Acq: 17 Jun 2021 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 41 Resp: 1247083
Ion Ratio Lower Upper
41 100
76 31.8 24.6 37.0
39 83.7 65.4 98.0

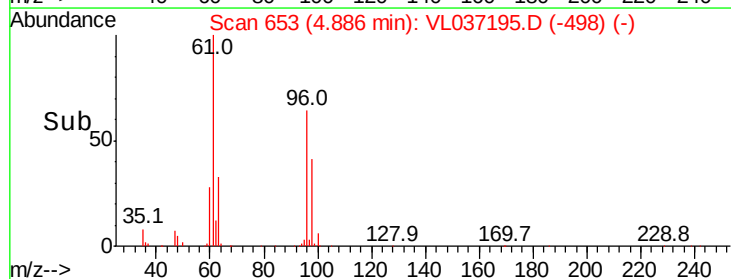
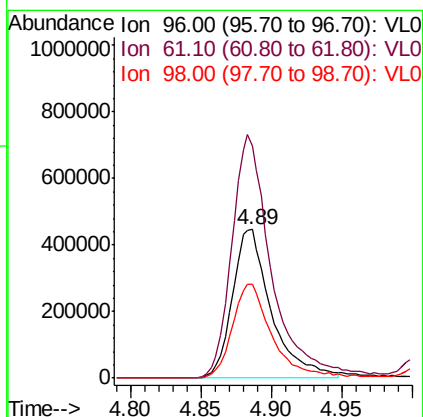
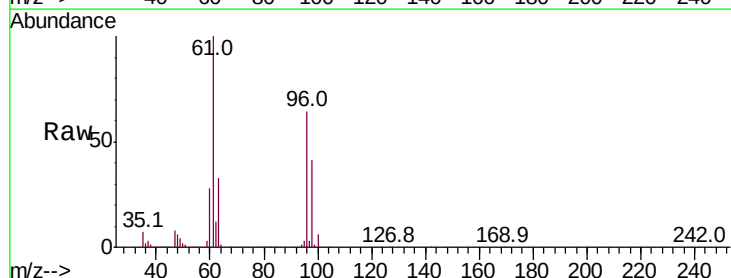
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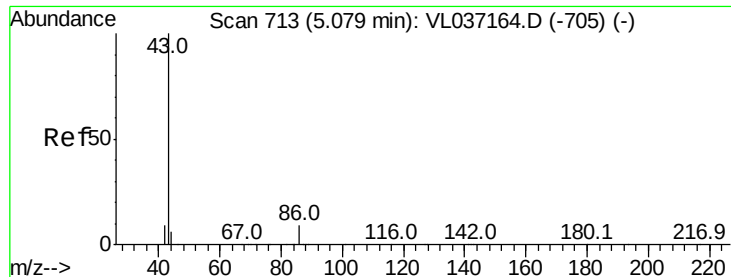
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#22
trans-1,2-Dichloroethene
Concen: 9.946 ppbv
RT: 4.89 min Scan# 653
Delta R.T. -0.00 min
Lab File: VL037195.D
Acq: 17 Jun 2021 10:17

Tgt Ion: 96 Resp: 864644
Ion Ratio Lower Upper
96 100
61 155.8 133.9 200.9
98 63.5 52.9 79.3





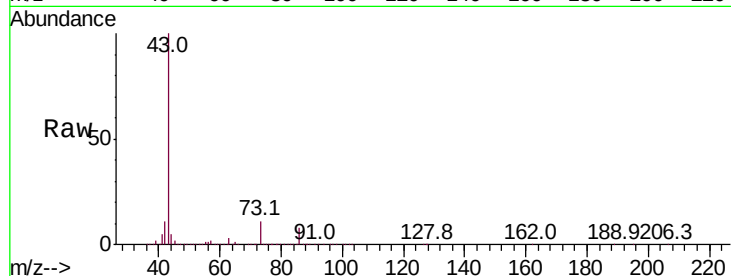
#23
 Vinyl Acetate
 Concen: 10.316 ppbv
 RT: 5.07 min Scan# 711
 Delta R.T. -0.01 min
 Lab File: VL037195.D
 Acq: 17 Jun 2021 10:17

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

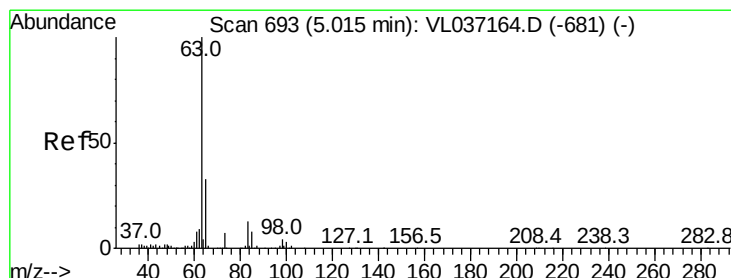
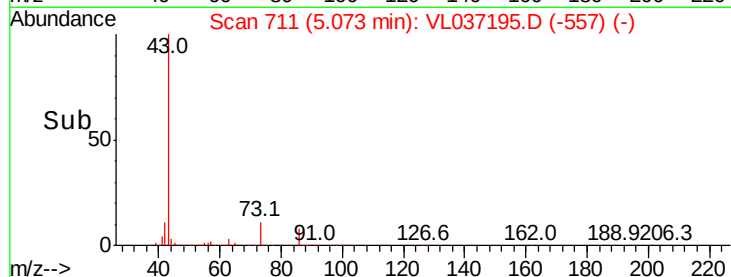
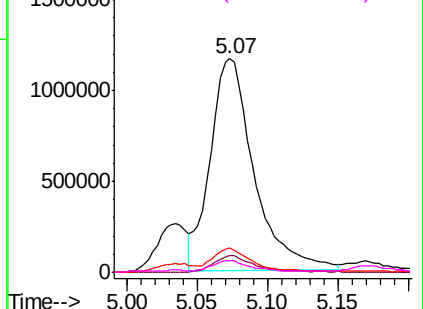
Tot Ion	43	Resp	2528030
Ion	Ratio	Lower	Upper
43	100		
86	7.5	5.8	8.8
42	11.1	8.2	12.2
44	4.9	4.2	6.4

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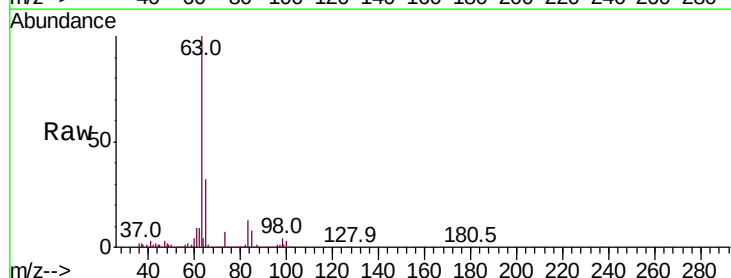


Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 86.10 (85.80 to 86.80): VL0
 Ion 42.10 (41.80 to 42.80): VL0
 Ion 44.10 (43.80 to 44.80): VL0

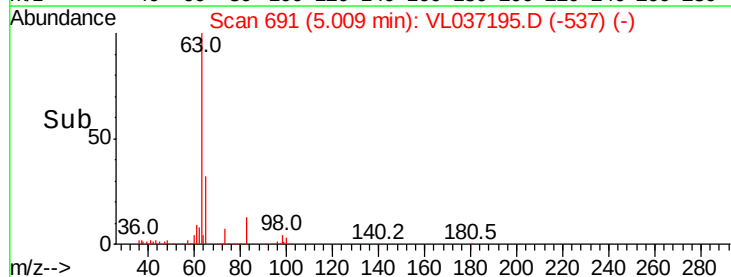
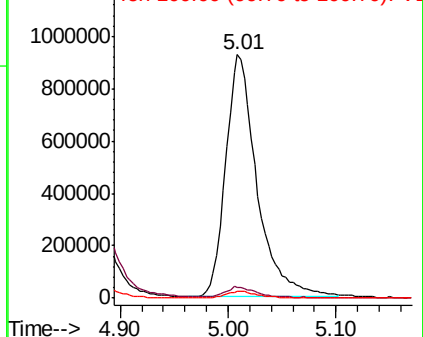


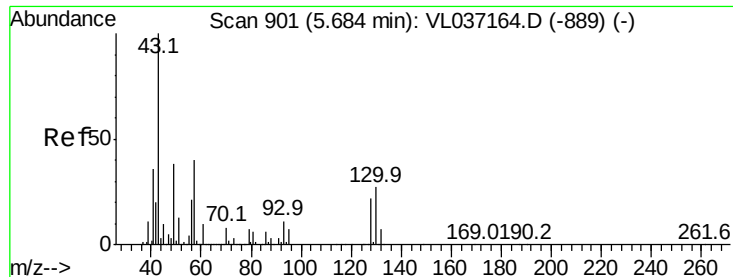
#24
 1,1-Dichloroethane
 Concen: 9.485 ppbv
 RT: 5.01 min Scan# 691
 Delta R.T. -0.01 min
 Lab File: VL037195.D
 Acq: 17 Jun 2021 10:17

Tgt Ion	63	Resp	1871523
Ion	Ratio	Lower	Upper
63	100		
98	4.2	2.1	6.5
100	2.7	1.4	4.0



Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 98.00 (97.70 to 98.70): VL0
 Ion 100.00 (99.70 to 100.70): VL0





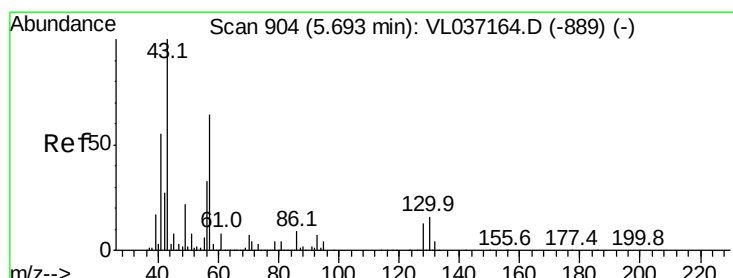
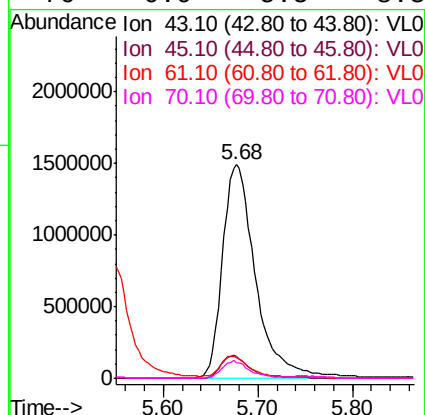
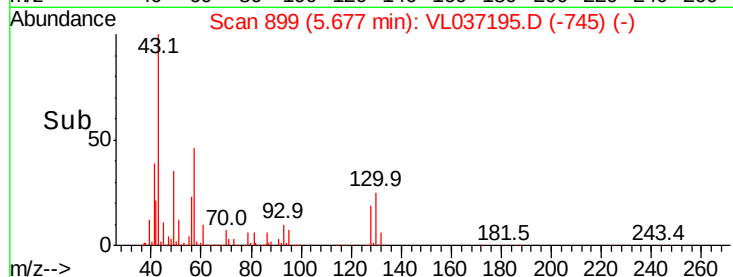
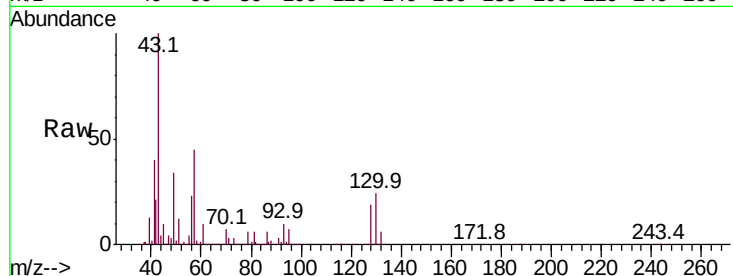
#25
Ethyl Acetate
Concen: 9.723 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.01 min
Lab File: VL037195.D
Acq: 17 Jun 2021 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
43	100		
45	9.8	8.0	12.0
61	10.2	8.1	12.1
70	6.9	5.5	8.3

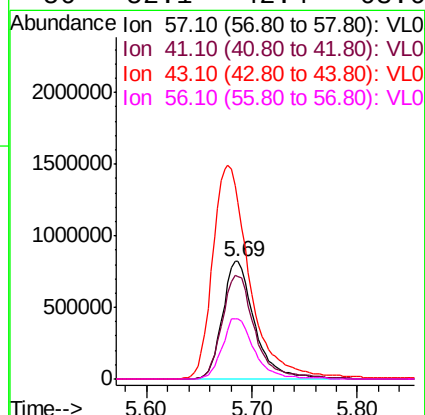
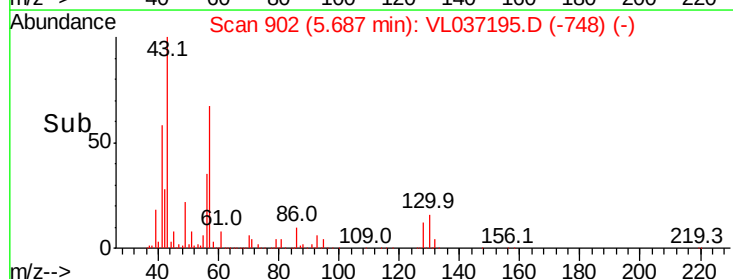
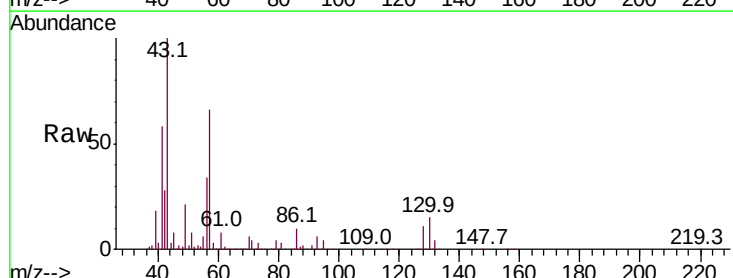
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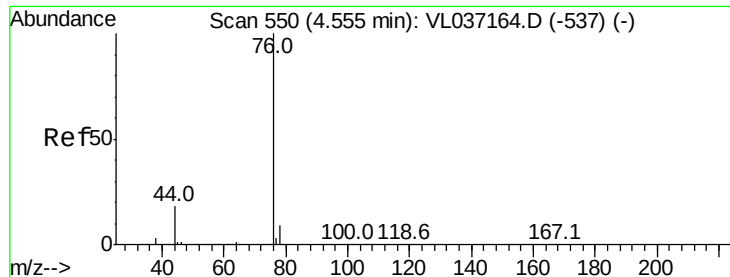
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#26
Hexane
Concen: 9.226 ppbv
RT: 5.69 min Scan# 902
Delta R.T. -0.01 min
Lab File: VL037195.D
Acq: 17 Jun 2021 10:17

Tgt Ion	Ratio	Lower	Upper
57	100		
41	91.2	73.5	110.3
43	211.0	170.7	256.1
56	52.1	42.4	63.6





#27

Carbon Disulfide

Concen: 11.063 ppbv

RT: 4.55 min Scan# 548

Delta R.T. -0.01 min

Lab File: VL037195.D

Acq: 17 Jun 2021 10:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 76 Resp: 2026923

Ion Ratio Lower Upper

76 100

44 19.5 15.4 23.2

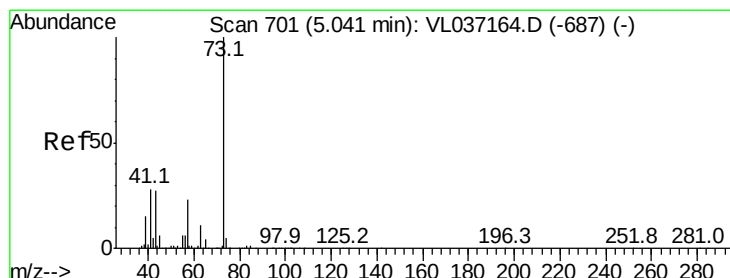
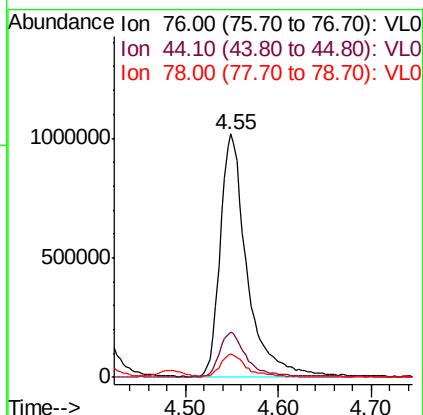
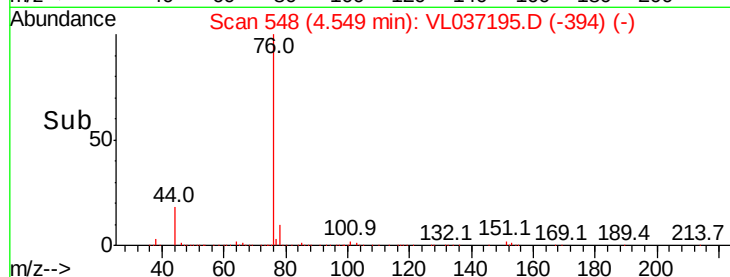
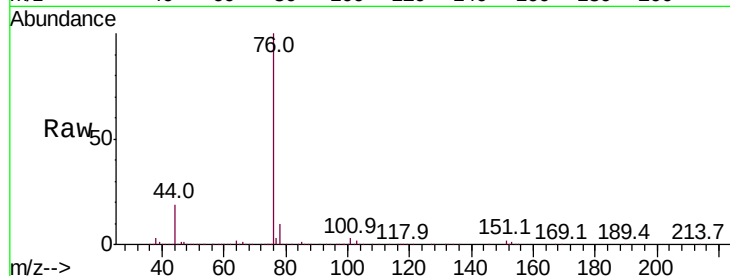
78 9.9 8.0 12.0

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#28

Methyl tert-Butyl Ether

Concen: 9.895 ppbv

RT: 5.03 min Scan# 699

Delta R.T. -0.01 min

Lab File: VL037195.D

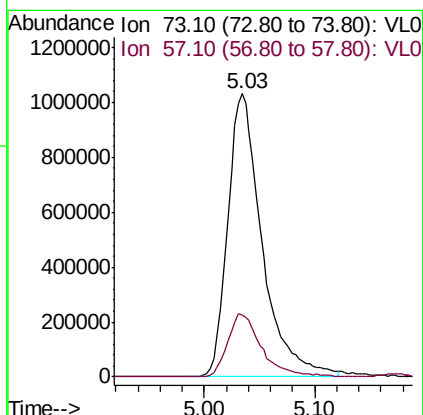
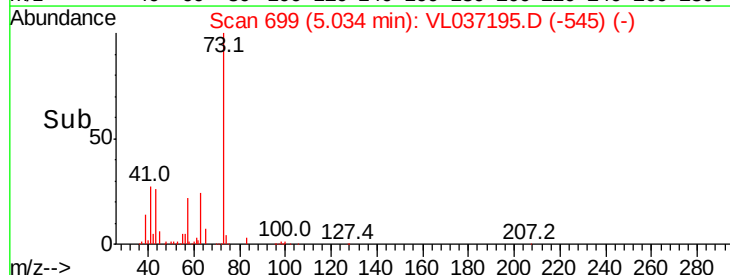
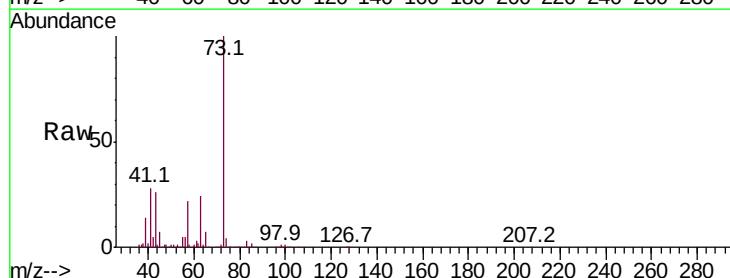
Acq: 17 Jun 2021 10:17

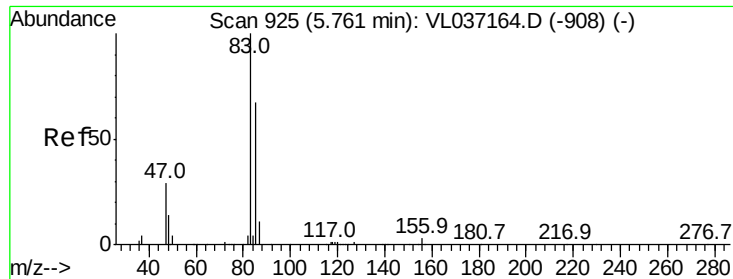
Tgt Ion: 73 Resp: 2224642

Ion Ratio Lower Upper

73 100

57 22.3 18.0 27.0





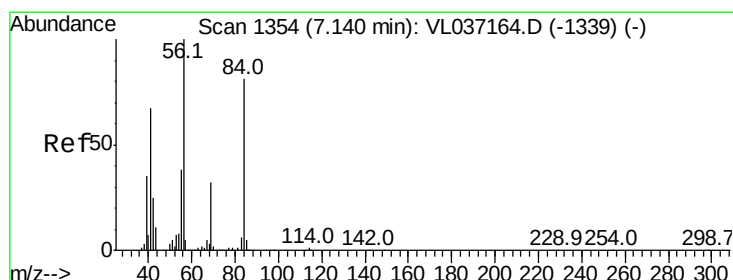
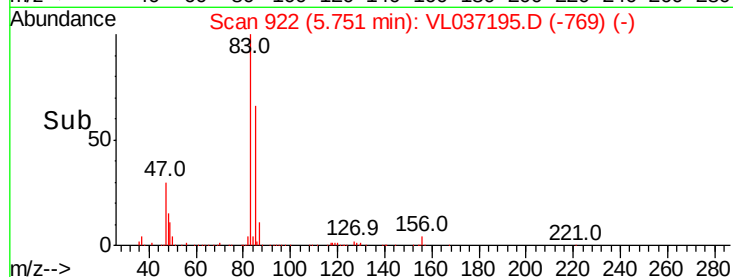
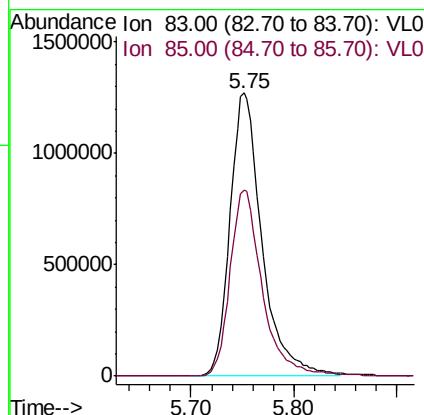
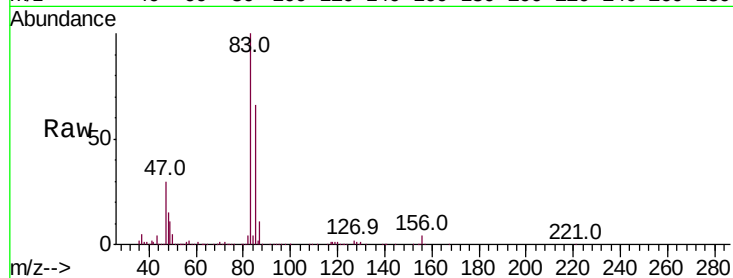
#29
Chloroform
Concen: 9.519 ppbv
RT: 5.75 min Scan# 922
Delta R.T. -0.01 min
Lab File: VL037195.D
Acq: 17 Jun 2021 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 83 Resp: 2749742
Ion Ratio Lower Upper
83 100
85 65.8 53.6 80.4

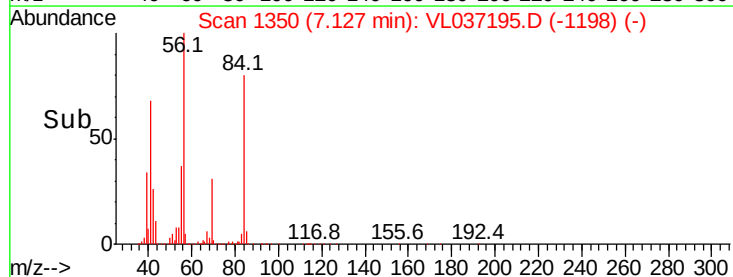
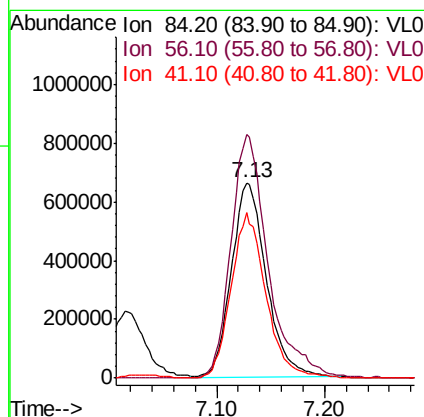
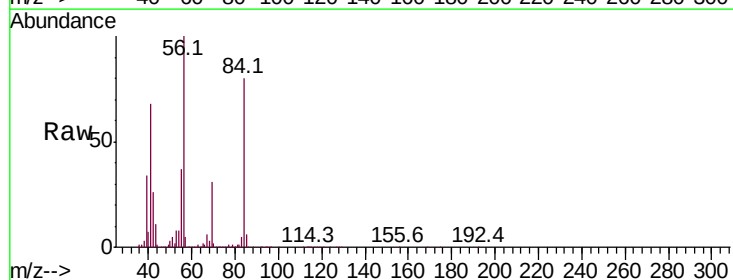
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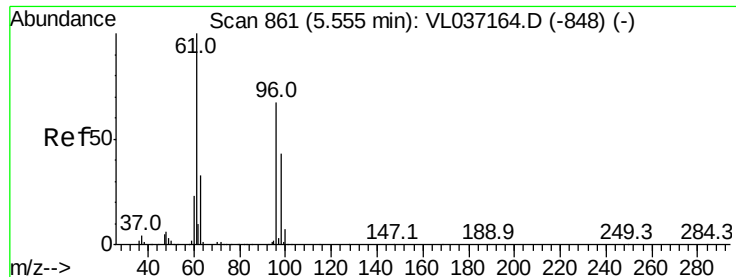
MMDadoda
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#30
Cyclohexane
Concen: 9.641 ppbv
RT: 7.13 min Scan# 1350
Delta R.T. -0.01 min
Lab File: VL037195.D
Acq: 17 Jun 2021 10:17

Tgt Ion: 84 Resp: 1502217
Ion Ratio Lower Upper
84 100
56 134.2 107.7 161.5
41 83.8 69.0 103.6





#31

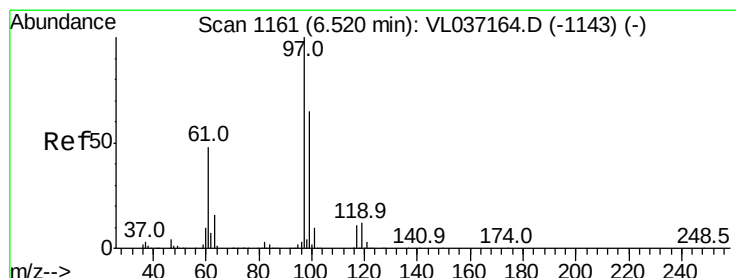
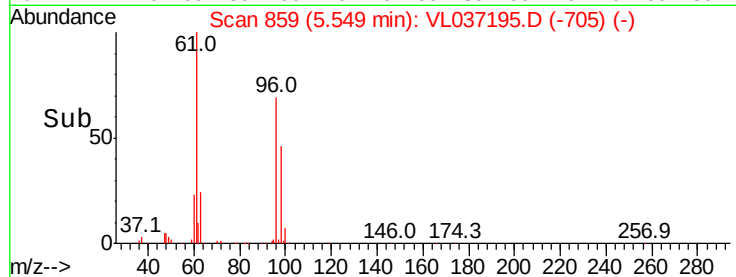
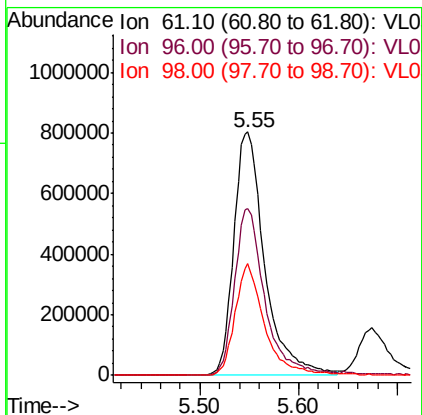
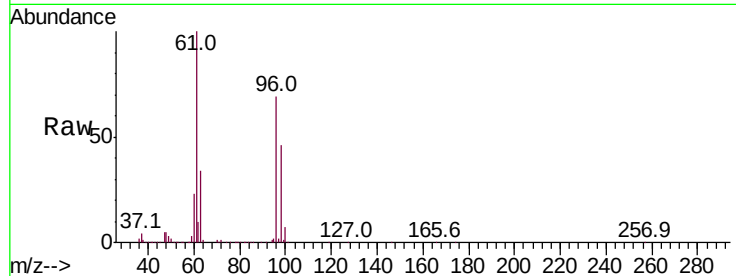
cis-1,2-Dichloroethene
Concen: 10.112 ppbv
RT: 5.55 min Scan# 859
Delta R.T. -0.01 min
Lab File: VL037195.D
Acq: 17 Jun 2021 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
61	100		
96	68.6	53.6	80.4
98	45.7	34.7	52.1

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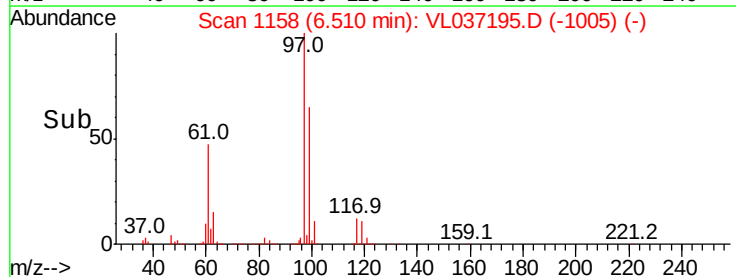
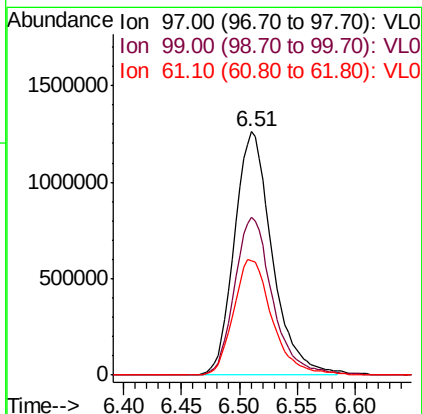
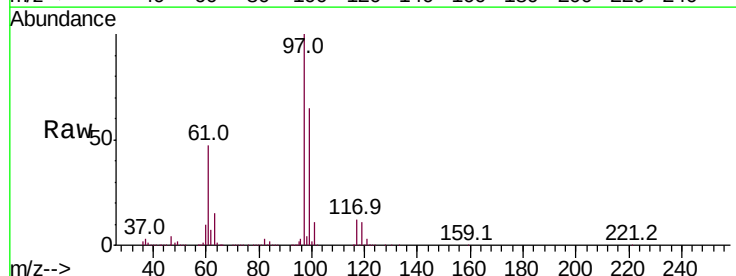
MMDadoda
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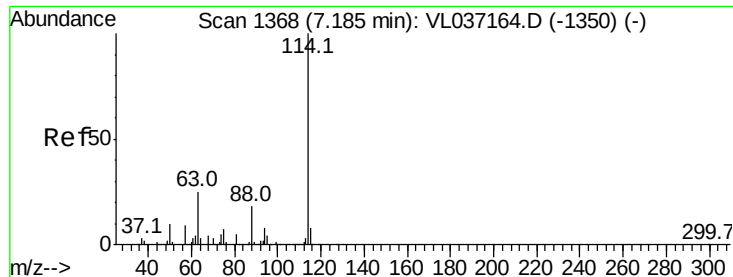


#32

1,1,1-Trichloroethane
Concen: 9.232 ppbv
RT: 6.51 min Scan# 1158
Delta R.T. -0.01 min
Lab File: VL037195.D
Acq: 17 Jun 2021 10:17

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.4	52.2	78.4
61	48.5	38.8	58.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1365

Delta R.T. -0.01 min

Lab File: VL037195.D

Acq: 17 Jun 2021 10:17

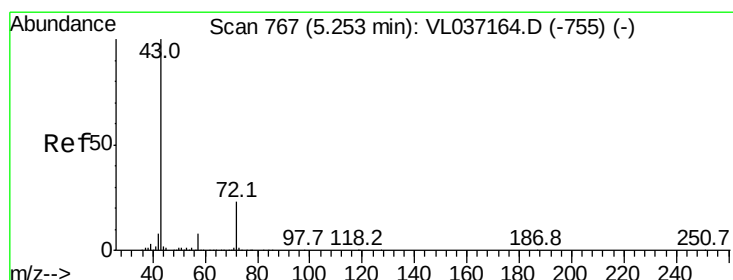
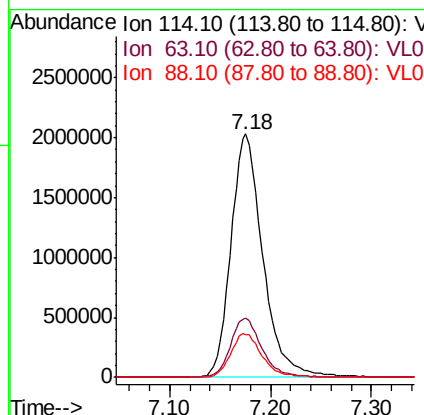
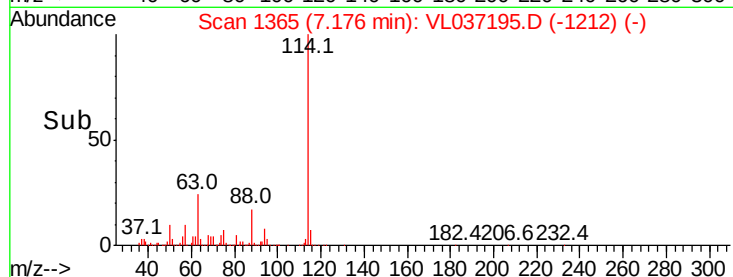
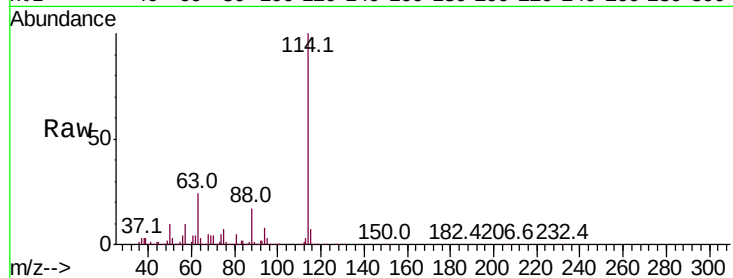
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:114 Resp: 4462329

Ion	Ratio	Lower	Upper
114	100		
63	24.7	19.6	29.4
88	18.0	14.2	21.2

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#34

2-Butanone

Concen: 9.613 ppbv

RT: 5.24 min Scan# 764

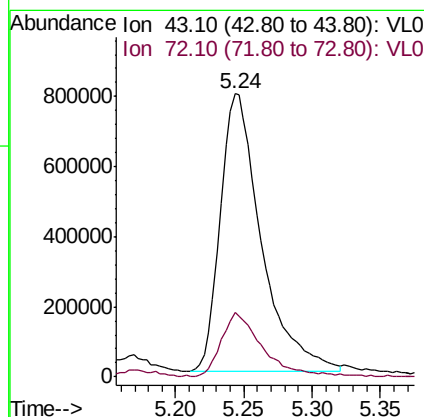
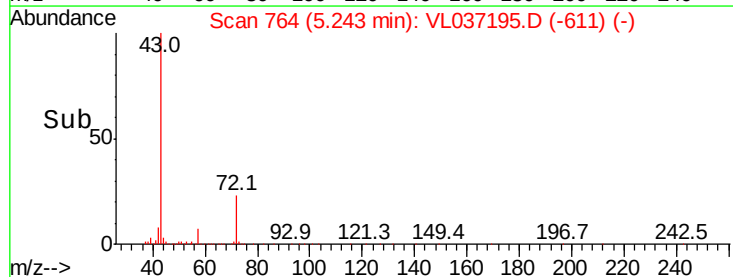
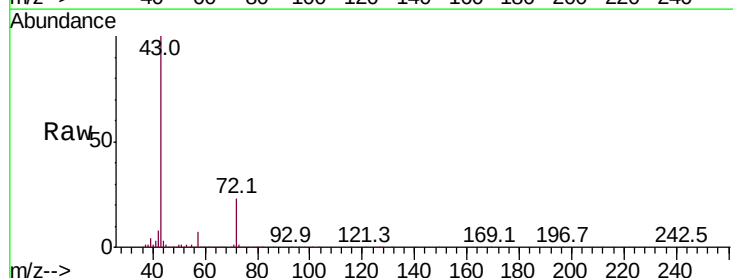
Delta R.T. -0.01 min

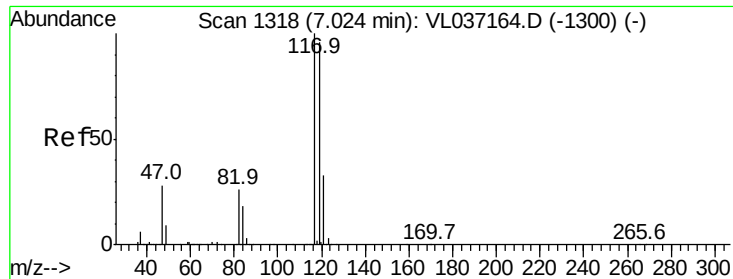
Lab File: VL037195.D

Acq: 17 Jun 2021 10:17

Tgt Ion: 43 Resp: 1668216

Ion	Ratio	Lower	Upper
43	100		
72	23.7	18.9	28.3





#35

Carbon Tetrachloride

Concen: 10.149 ppbv

RT: 7.02 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VL037195.D

Acq: 17 Jun 2021 10:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:117 Resp: 3037404

Ion Ratio Lower Upper

117 100

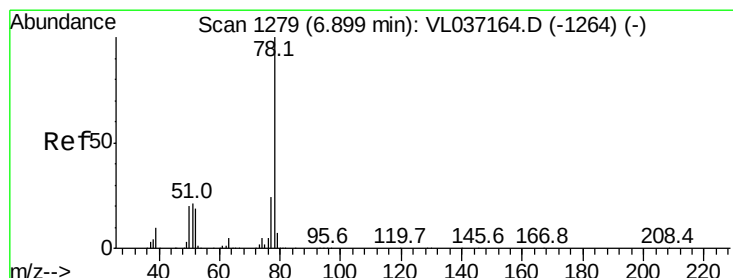
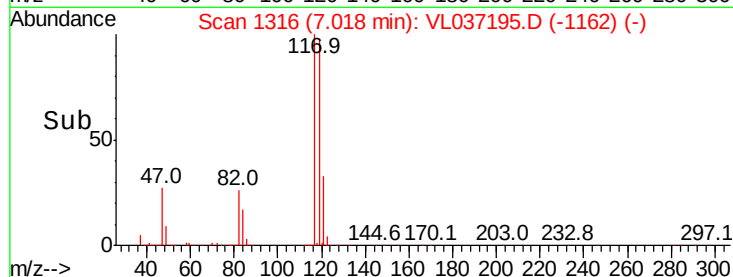
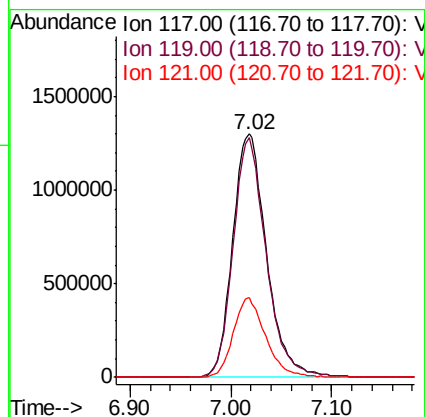
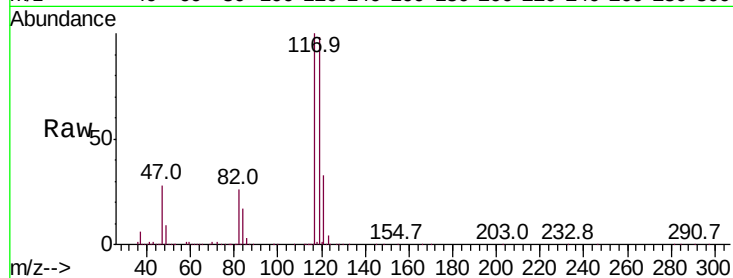
119 98.2 76.6 114.8

121 33.0 26.4 39.6

Manual Integrations
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#36

Benzene

Concen: 9.808 ppbv

RT: 6.89 min Scan# 1276

Delta R.T. -0.01 min

Lab File: VL037195.D

Acq: 17 Jun 2021 10:17

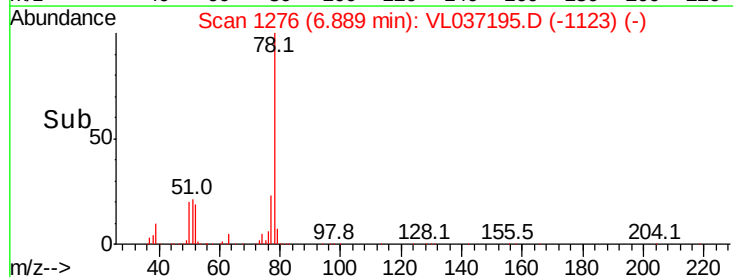
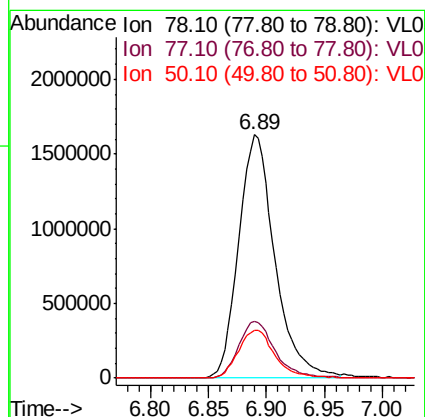
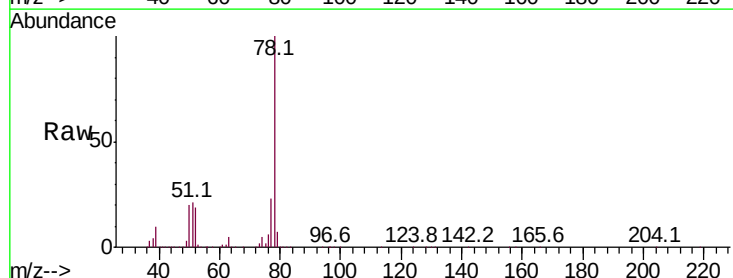
Tgt Ion: 78 Resp: 3538921

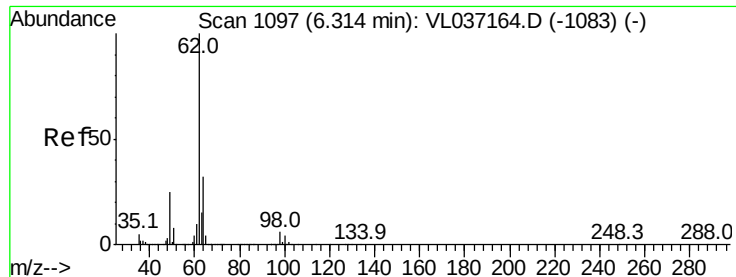
Ion Ratio Lower Upper

78 100

77 23.4 19.0 28.6

50 19.6 15.7 23.5





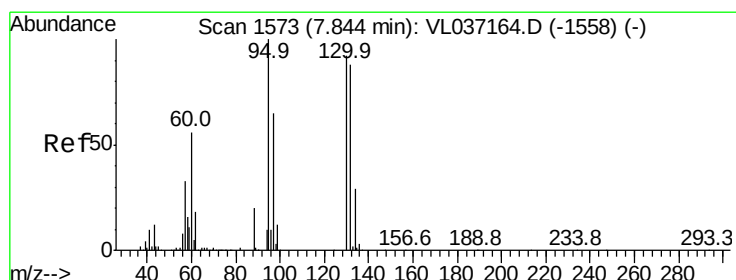
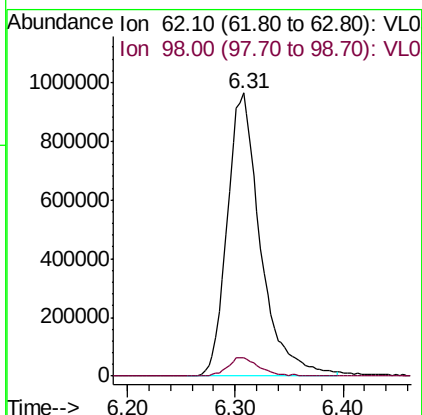
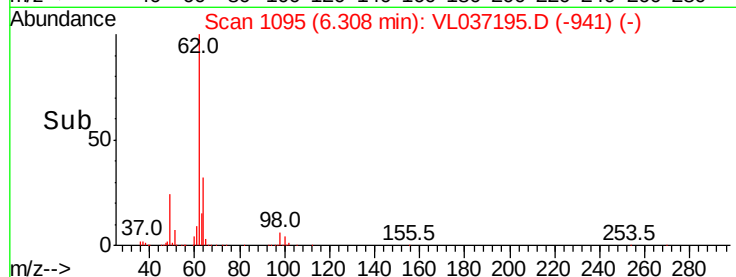
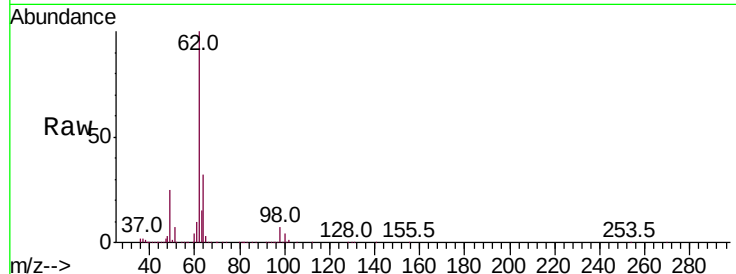
#37
 1,2-Dichloroethane
 Concen: 9.901 ppbv
 RT: 6.31 min Scan# 1095
 Delta R.T. -0.01 min
 Lab File: VL037195.D
 Acq: 17 Jun 2021 10:17

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 62 Resp: 2075459
 Ion Ratio Lower Upper
 62 100
 98 6.3 5.0 7.6

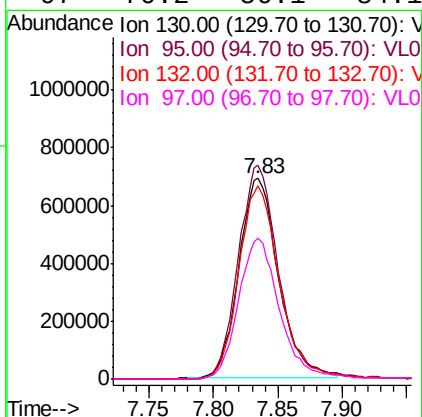
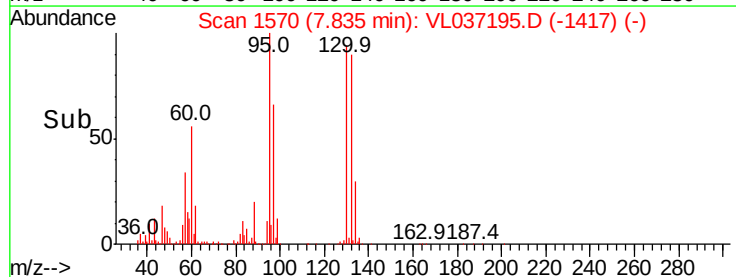
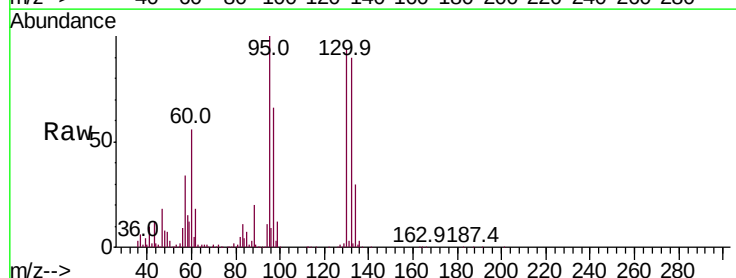
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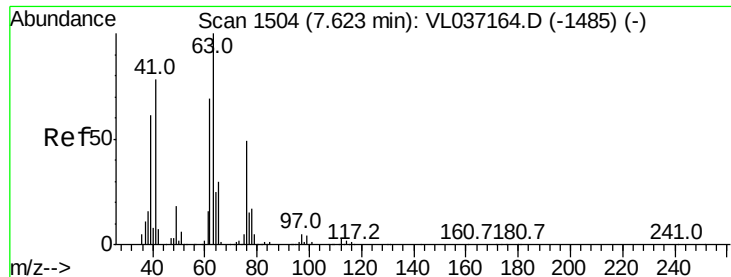
MMDadoda
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#38
 Trichloroethene
 Concen: 8.696 ppbv
 RT: 7.83 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: VL037195.D
 Acq: 17 Jun 2021 10:17

Tgt Ion:130 Resp: 1491585
 Ion Ratio Lower Upper
 130 100
 95 106.7 86.6 129.8
 132 96.3 76.6 114.8
 97 70.2 56.1 84.1





#39

1,2-Dichloropropane

Concen: 10.205 ppbv

RT: 7.61 min Scan# 1501

Delta R.T. -0.01 min

Lab File: VL037195.D

Acq: 17 Jun 2021 10:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 63 Resp: 1368348

Ion Ratio Lower Upper

63 100

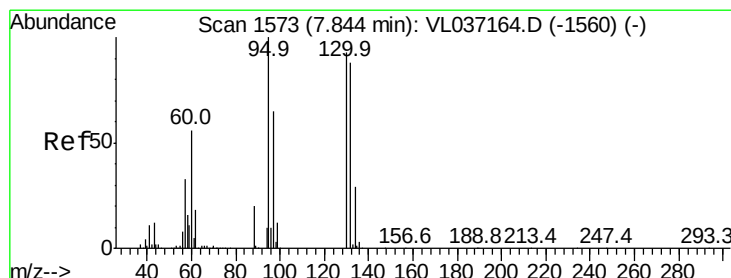
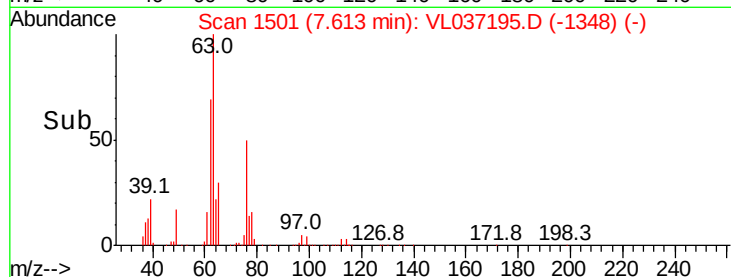
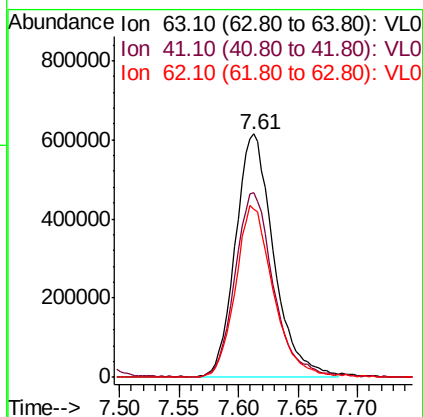
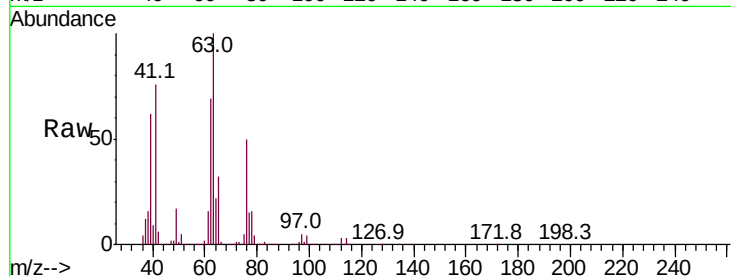
41 75.6 62.0 93.0

62 69.0 54.9 82.3

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#40

1,4-Dioxane

Concen: 9.327 ppbv

RT: 7.83 min Scan# 1570

Delta R.T. -0.01 min

Lab File: VL037195.D

Acq: 17 Jun 2021 10:17

Tgt Ion: 88 Resp: 342963

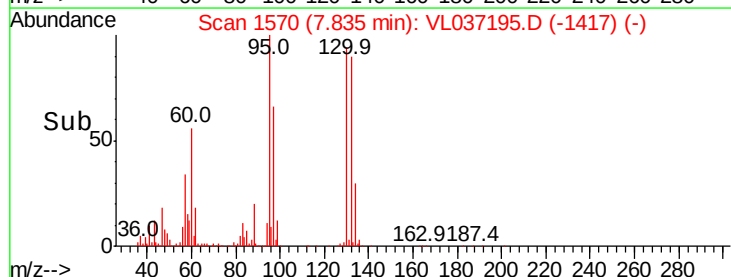
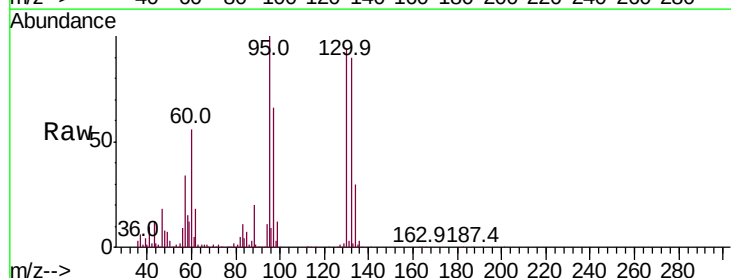
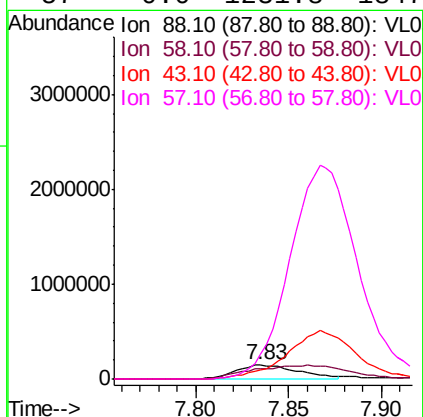
Ion Ratio Lower Upper

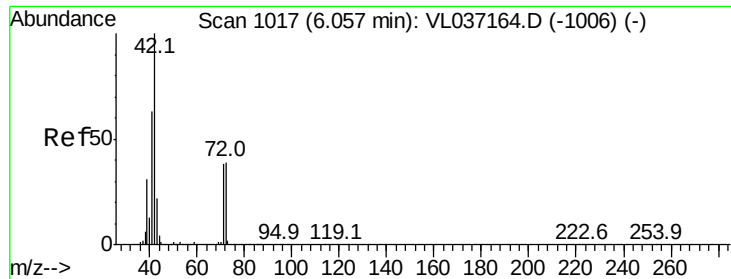
88 100

58 0.0 118.4 177.6#

43 0.0 284.0 426.0#

57 0.0 1231.8 1847.6#





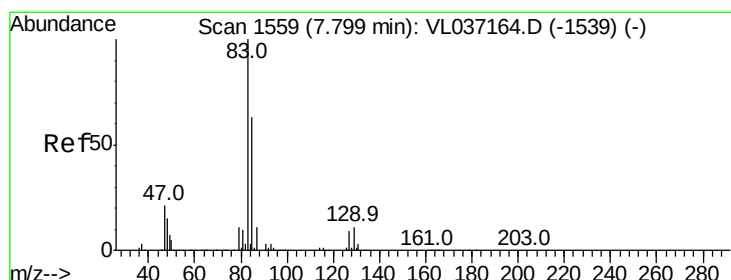
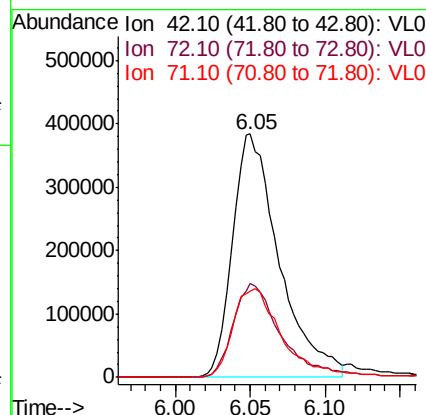
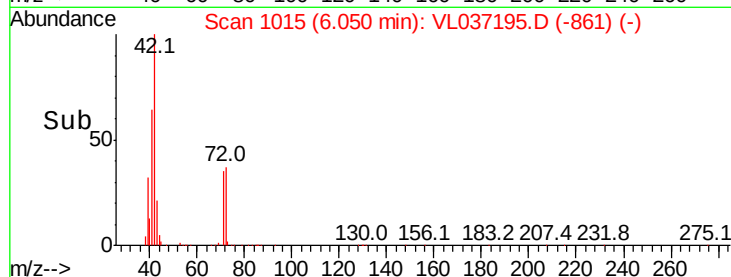
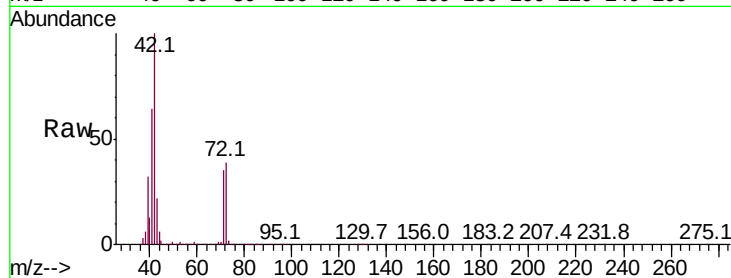
#41
Tetrahydrofuran
Concen: 10.322 ppbv
RT: 6.05 min Scan# 1015
Delta R.T. -0.01 min
Lab File: VL037195.D
Acq: 17 Jun 2021 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.9	33.0	49.4
71	39.4	31.0	46.6

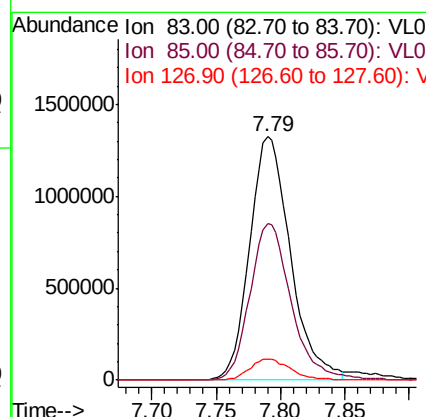
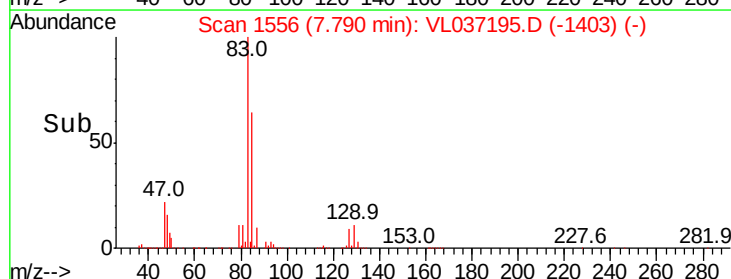
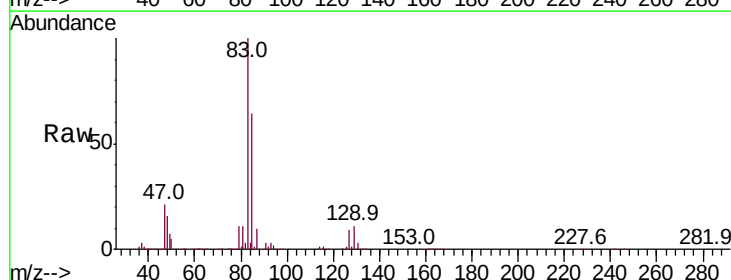
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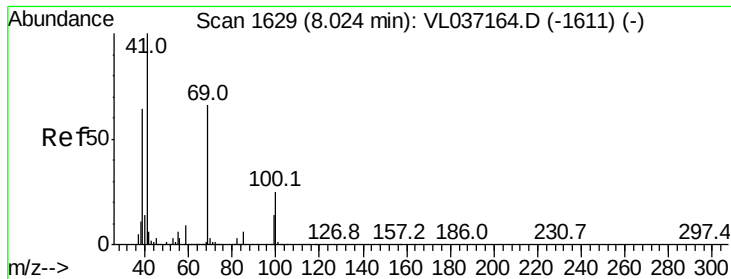
MMDadoda
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#42
Bromodichloromethane
Concen: 10.121 ppbv
RT: 7.79 min Scan# 1556
Delta R.T. -0.01 min
Lab File: VL037195.D
Acq: 17 Jun 2021 10:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	50.8	76.2
127	8.8	7.0	10.6





#43

Methyl Methacrylate

Concen: 10.536 ppbv

RT: 8.01 min Scan# 1625

Delta R.T. -0.01 min

Lab File: VL037195.D

Acq: 17 Jun 2021 10:17

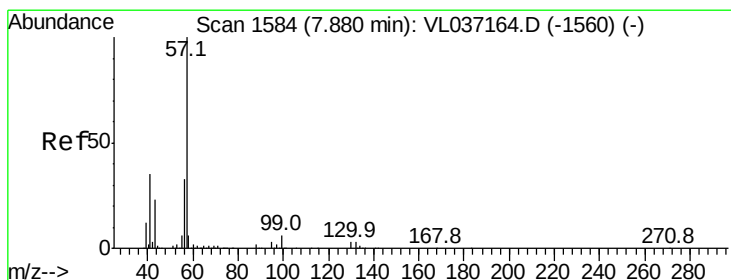
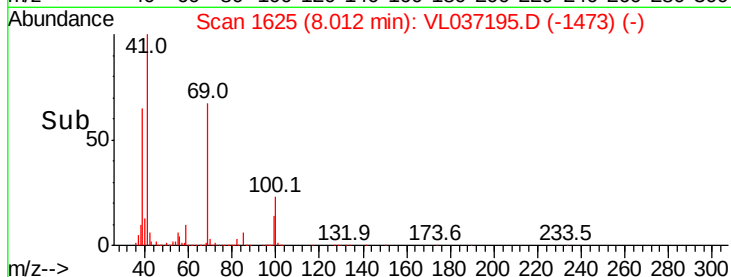
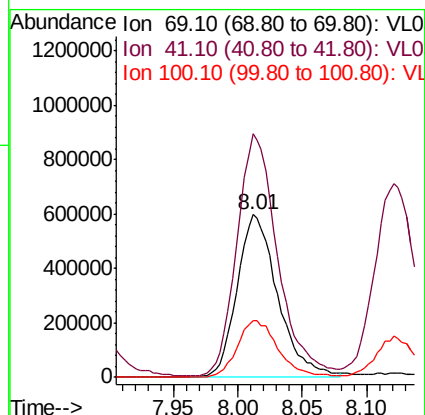
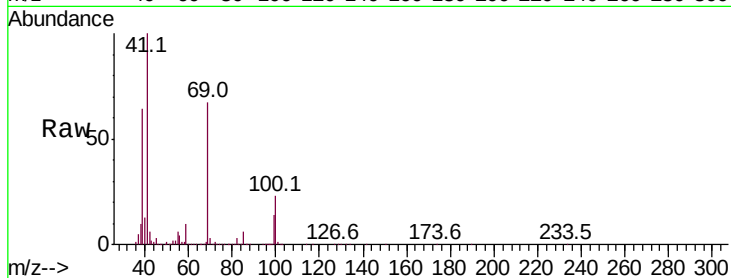
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 69 Resp: 1312925

Ion	Ratio	Lower	Upper
69	100		
41	150.8	119.4	179.0
100	35.0	28.6	43.0

Manual Integrations
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#44

2,2,4-Trimethylpentane

Concen: 9.636 ppbv

RT: 7.87 min Scan# 1580

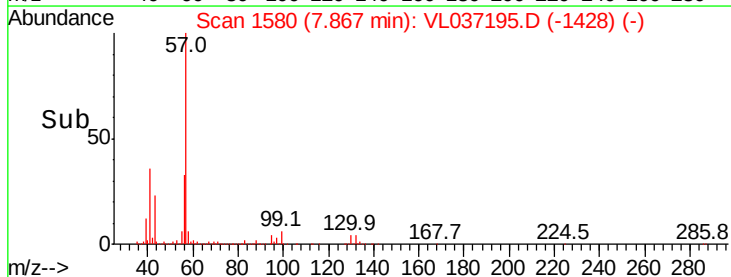
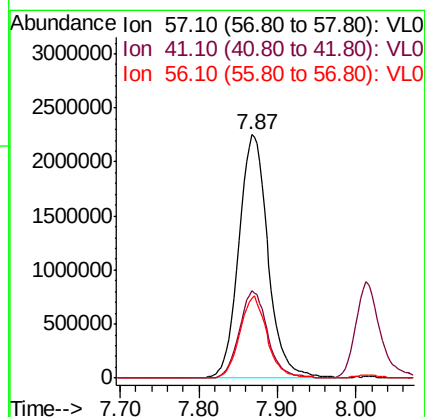
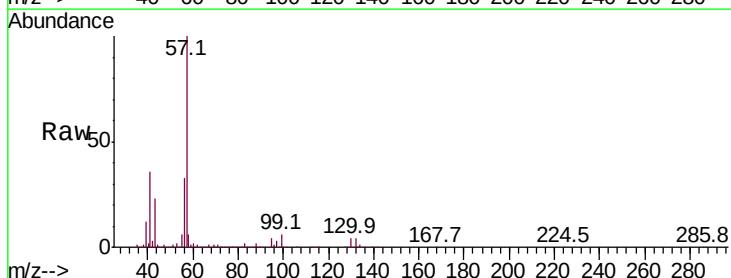
Delta R.T. -0.01 min

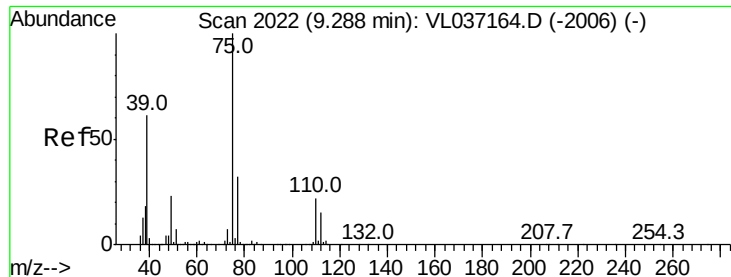
Lab File: VL037195.D

Acq: 17 Jun 2021 10:17

Tgt Ion: 57 Resp: 5854725

Ion	Ratio	Lower	Upper
57	100		
41	34.5	27.6	41.4
56	31.6	25.3	37.9





#45

t-1,3-Dichloropropene

Concen: 12.171 ppbv

RT: 9.28 min Scan# 2019

Delta R.T. -0.01 min

Lab File: VL037195.D

Acq: 17 Jun 2021 10:17

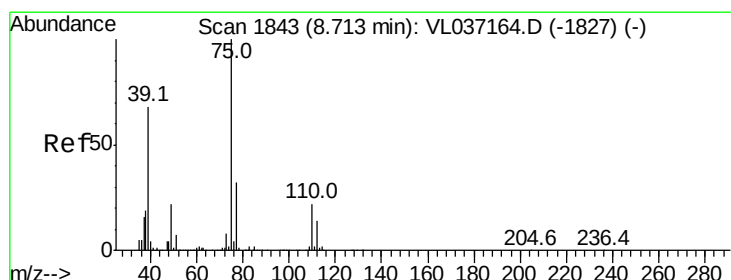
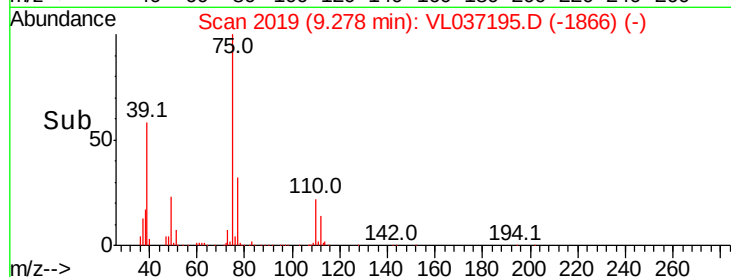
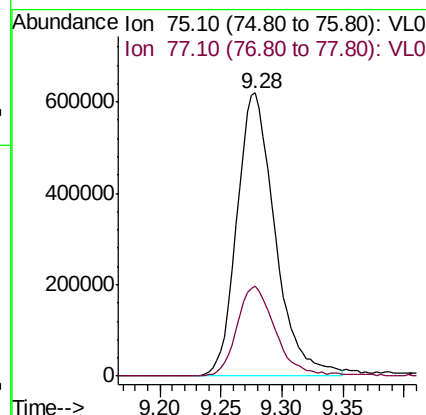
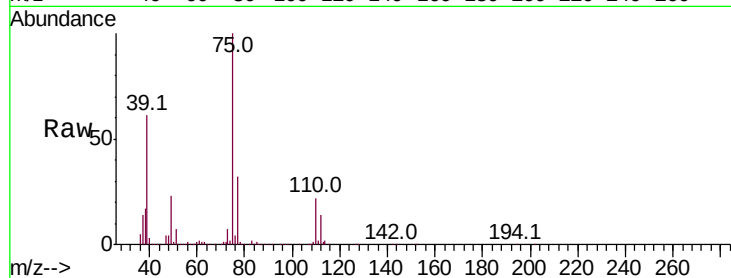
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 75 Resp: 1338102

Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.6	38.4

Manual Integrations
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#46

cis-1,3-Dichloropropene

Concen: 11.388 ppbv

RT: 8.70 min Scan# 1840

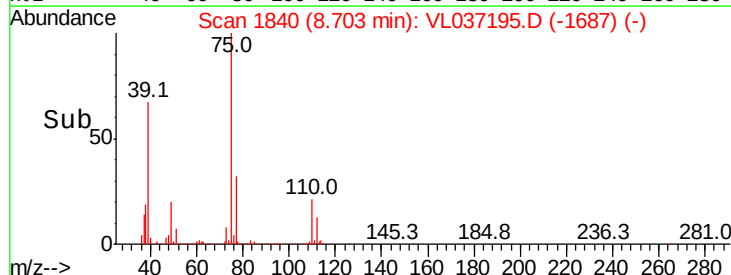
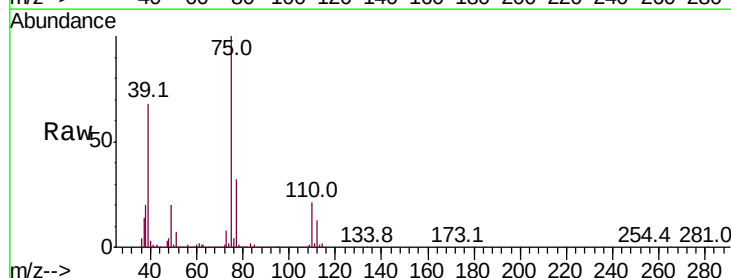
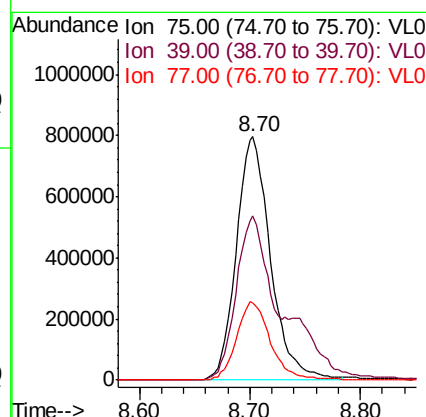
Delta R.T. -0.01 min

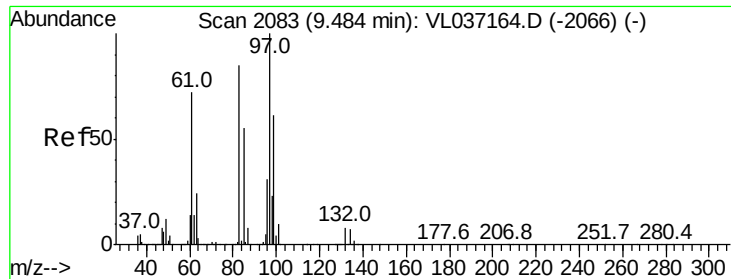
Lab File: VL037195.D

Acq: 17 Jun 2021 10:17

Tgt Ion: 75 Resp: 1712738

Ion	Ratio	Lower	Upper
75	100		
39	67.4	54.7	82.1
77	31.5	25.8	38.8





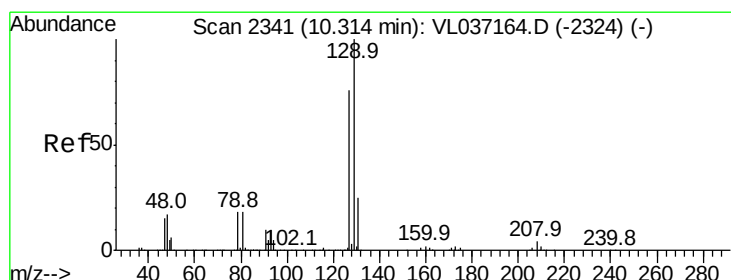
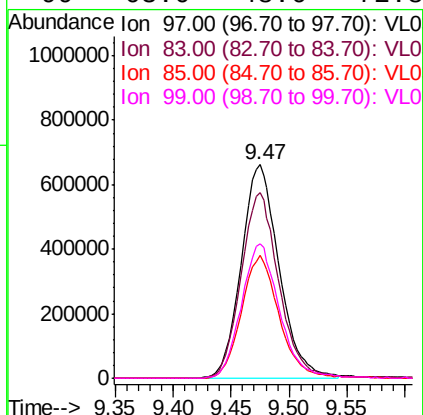
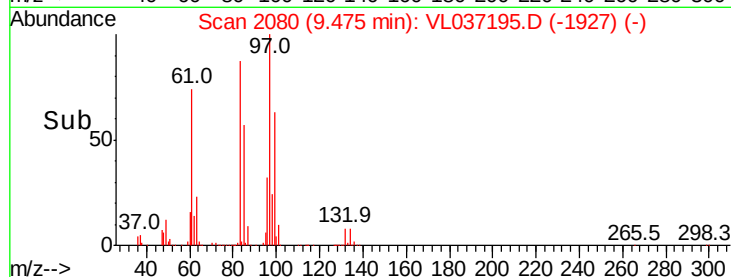
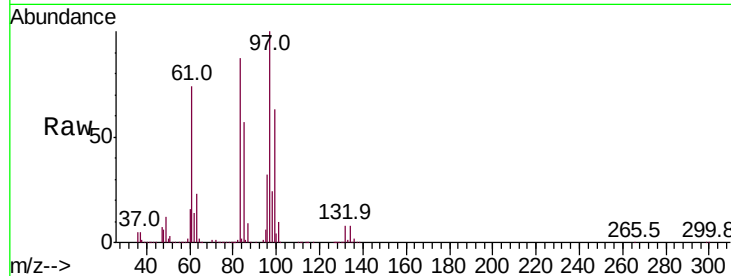
#47
 1,1,2-Trichloroethane
 Concen: 9.804 ppbv
 RT: 9.47 min Scan# 2080
 Delta R.T. -0.01 min
 Lab File: VL037195.D
 Acq: 17 Jun 2021 10:17

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	86.9	68.3	102.5	
85	57.2	44.1	66.1	
99	63.0	48.6	72.8	

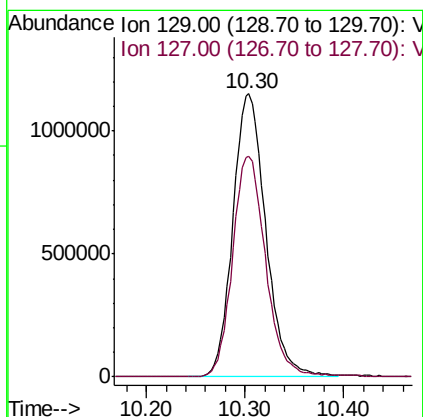
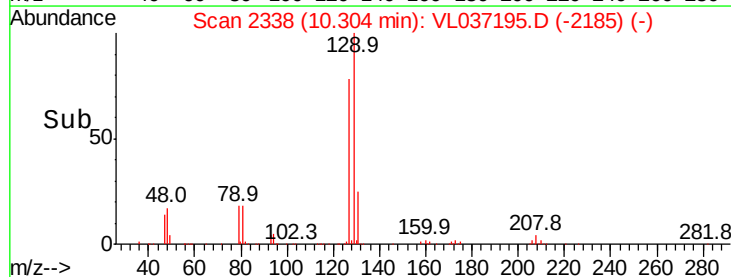
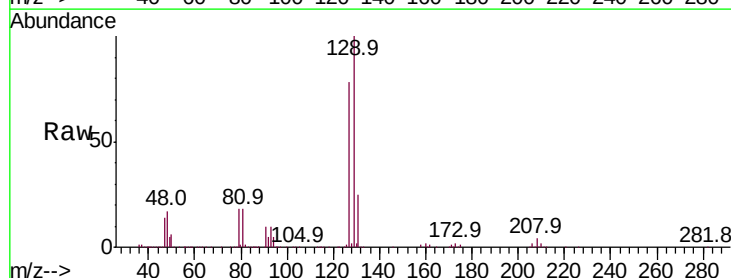
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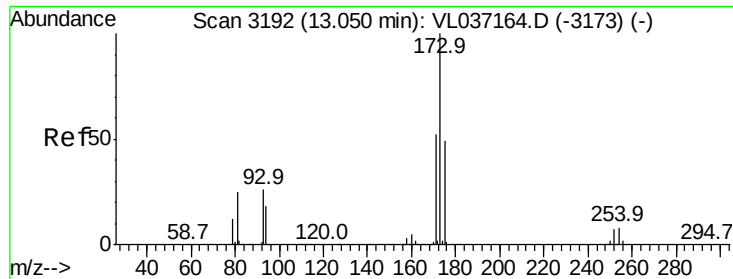
MMDadoda
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#48
 Dibromochloromethane
 Concen: 11.057 ppbv
 RT: 10.30 min Scan# 2338
 Delta R.T. -0.01 min
 Lab File: VL037195.D
 Acq: 17 Jun 2021 10:17

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	79.1	39.1	117.2	





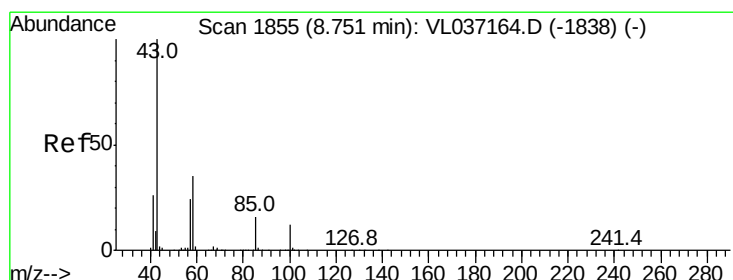
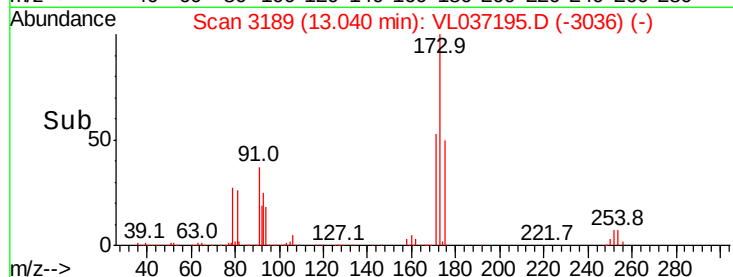
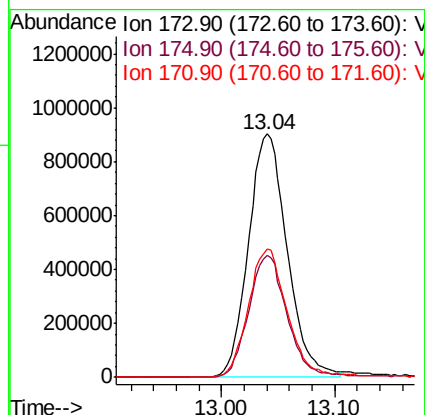
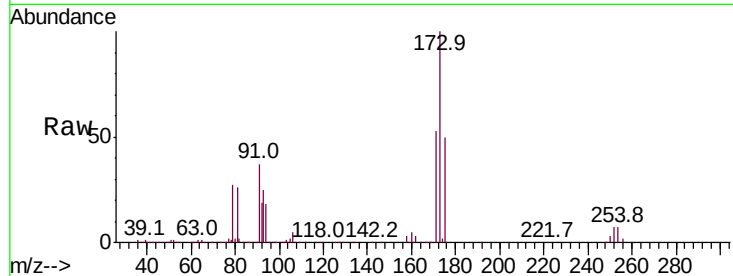
#49
Bromoform
Concen: 11.955 ppbv
RT: 13.04 min Scan# 3189
Delta R.T. -0.01 min
Lab File: VL037195.D
Acq: 17 Jun 2021 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:173 Resp: 2150838
Ion Ratio Lower Upper
173 100
175 50.2 40.2 60.4
171 54.4 41.8 62.8

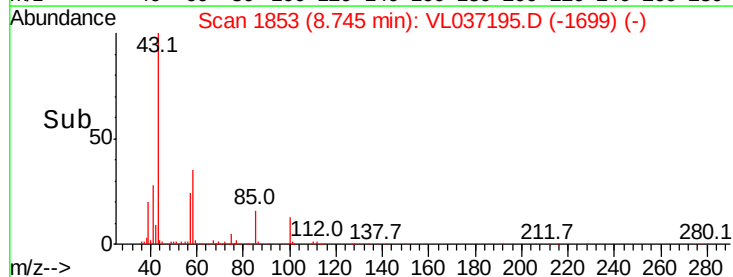
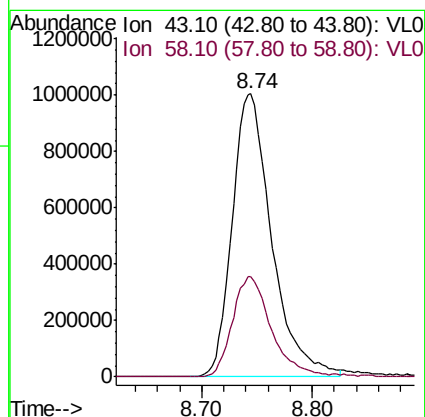
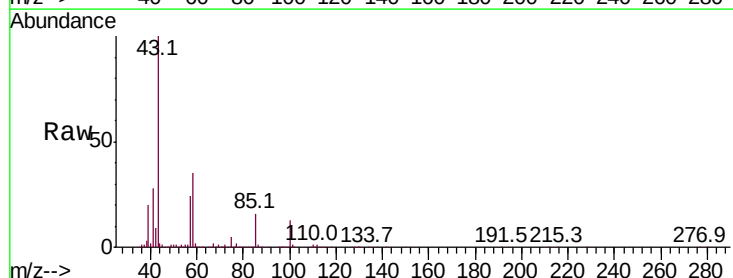
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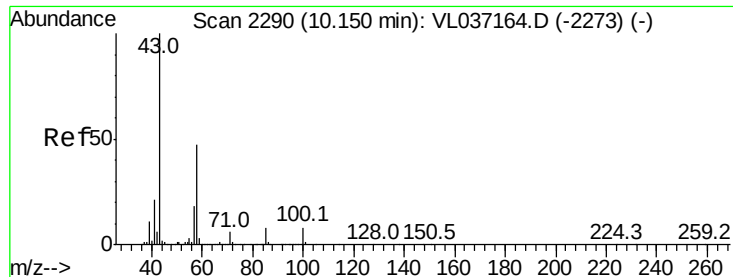
MMDadoda
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#50
4-Methyl-2-Pentanone
Concen: 10.437 ppbv
RT: 8.74 min Scan# 1853
Delta R.T. -0.01 min
Lab File: VL037195.D
Acq: 17 Jun 2021 10:17

Tgt Ion: 43 Resp: 2487775
Ion Ratio Lower Upper
43 100
58 35.8 28.4 42.6





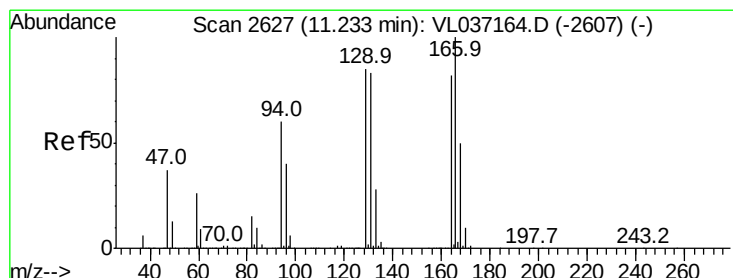
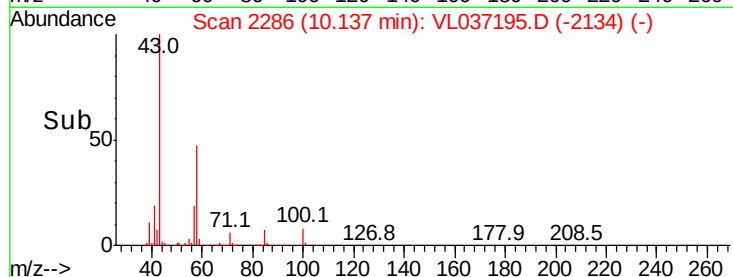
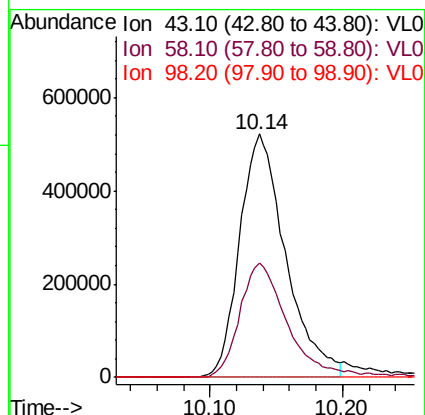
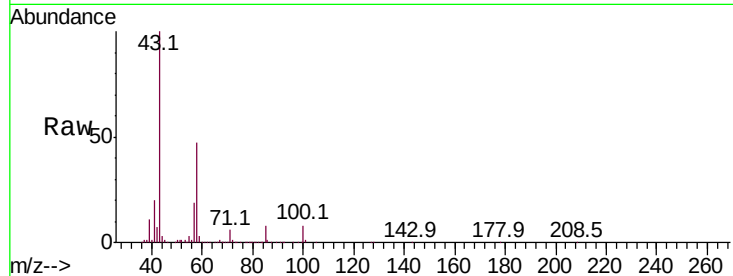
#51
2-Hexanone
Concen: 10.825 ppbv
RT: 10.14 min Scan# 2286
Delta R.T. -0.01 min
Lab File: VL037195.D
Acq: 17 Jun 2021 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 1255524
Ion Ratio Lower Upper
43 100
58 49.5 38.4 57.6
98 0.2 0.3 0.5#

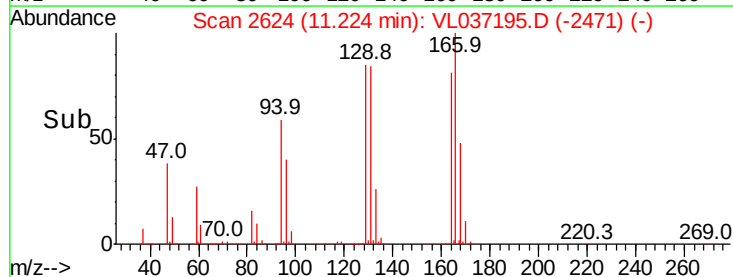
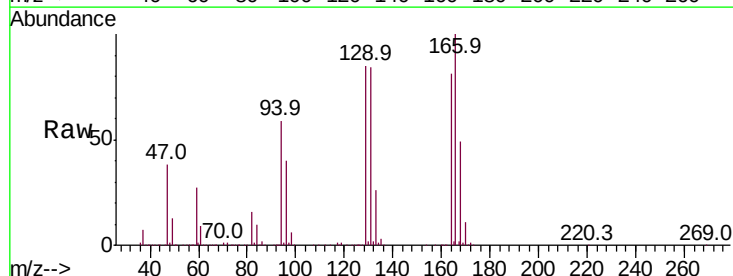
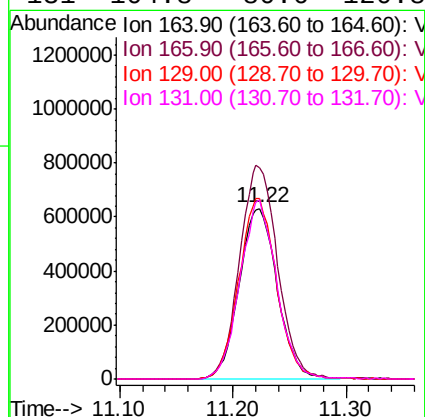
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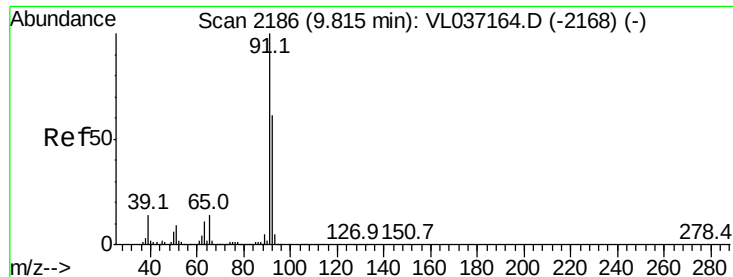
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#52
Tetrachloroethene
Concen: 8.819 ppbv
RT: 11.22 min Scan# 2624
Delta R.T. -0.01 min
Lab File: VL037195.D
Acq: 17 Jun 2021 10:17

Tgt Ion: 164 Resp: 1478641
Ion Ratio Lower Upper
164 100
166 124.1 97.6 146.4
129 105.6 82.9 124.3
131 104.8 80.6 120.8





#53

Toluene

Concen: 9.851 ppbv

RT: 9.81 min Scan# 2183

Delta R.T. -0.01 min

Lab File: VL037195.D

Acq: 17 Jun 2021 10:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 4245863

Ion Ratio Lower Upper

91 100

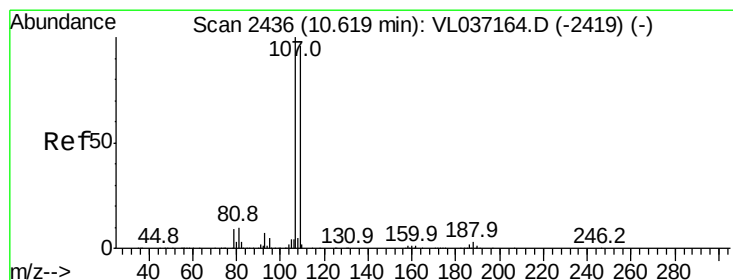
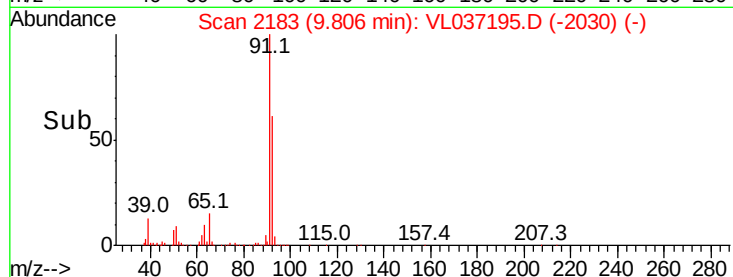
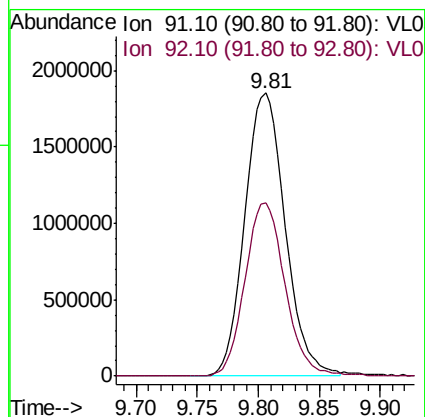
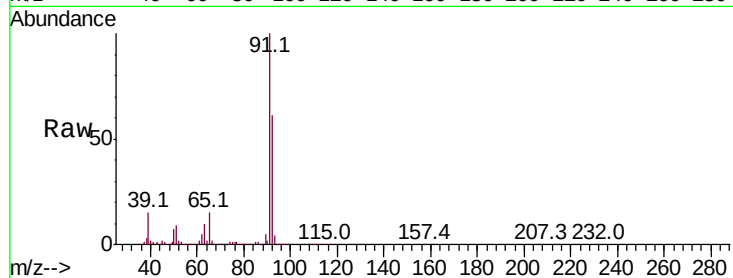
92 61.1 48.3 72.5

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 10.249 ppbv

RT: 10.61 min Scan# 2432

Delta R.T. -0.01 min

Lab File: VL037195.D

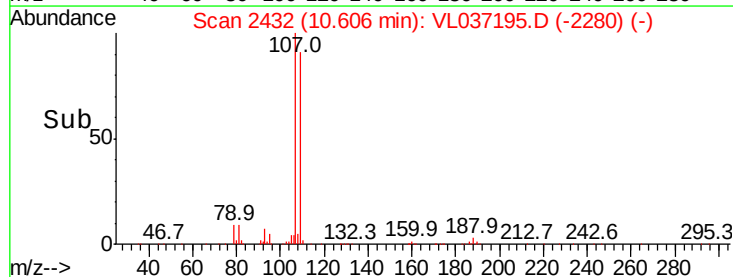
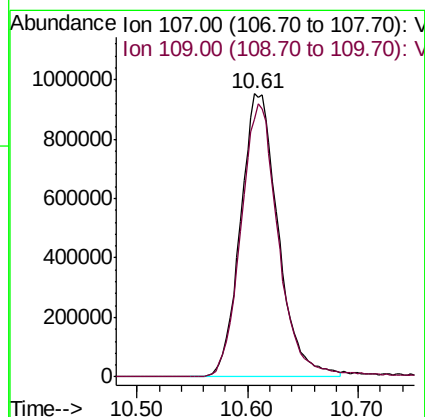
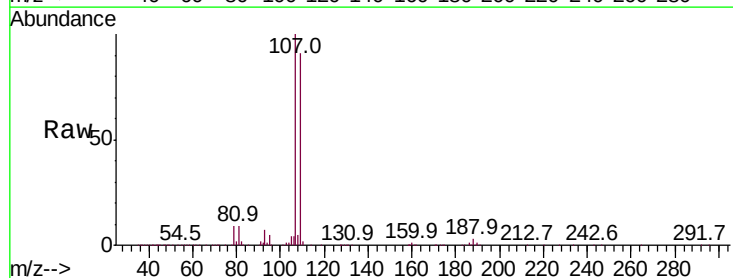
Acq: 17 Jun 2021 10:17

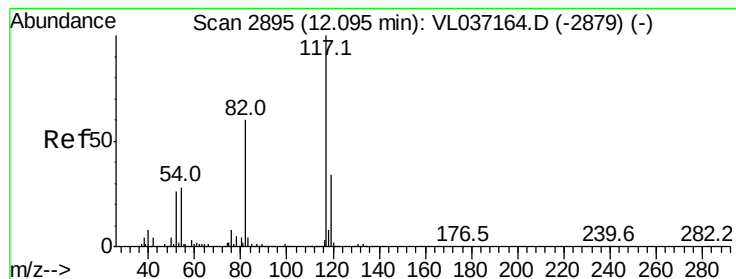
Tgt Ion: 107 Resp: 2253090

Ion Ratio Lower Upper

107 100

109 90.9 77.0 115.6





#55

Chlorobenzene-d5

Concen: 10.000 ppbv m

RT: 12.09 min Scan# 2892

Delta R.T. -0.01 min

Lab File: VL037195.D

Acq: 17 Jun 2021 10:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:117 Resp: 4283505

Ion Ratio Lower Upper

117 100

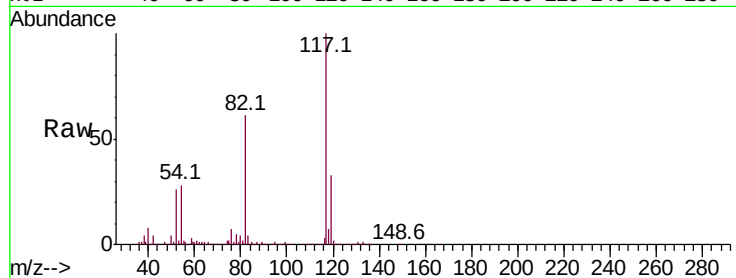
82 62.3 51.7 77.5

119 58.0 47.6 71.4

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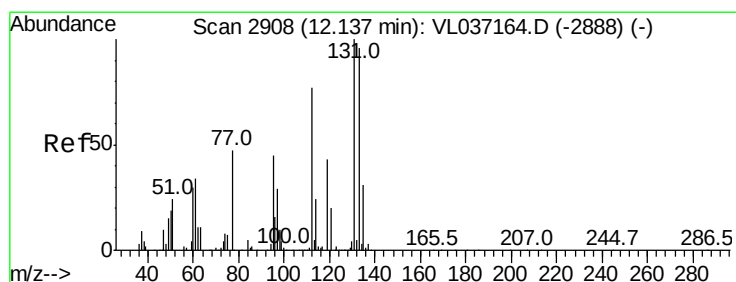
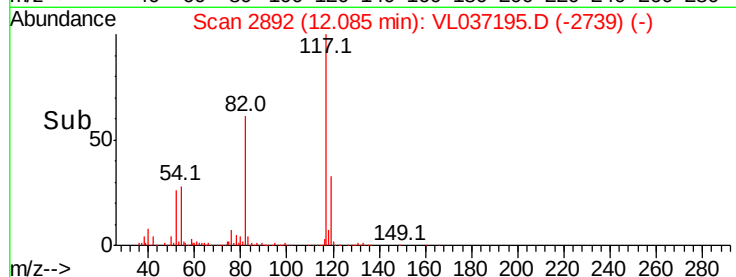
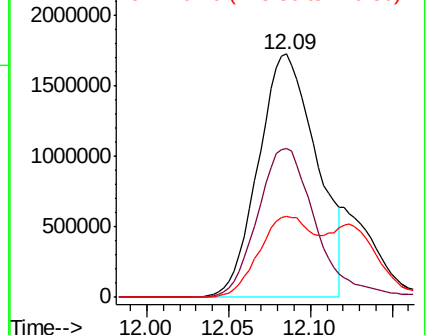
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Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 9.665 ppbv

RT: 12.12 min Scan# 2904

Delta R.T. -0.01 min

Lab File: VL037195.D

Acq: 17 Jun 2021 10:17

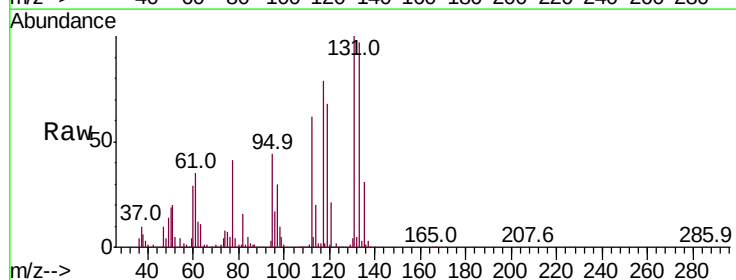
Tgt Ion:131 Resp: 1810158

Ion Ratio Lower Upper

131 100

133 95.0 76.5 114.7

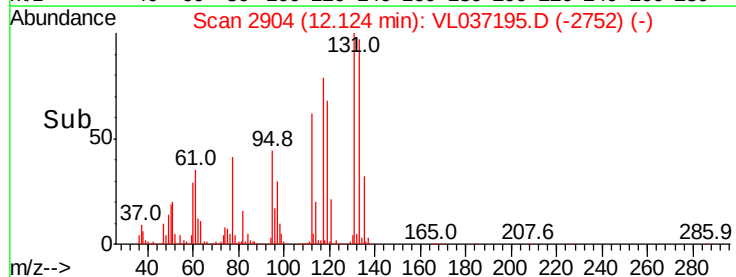
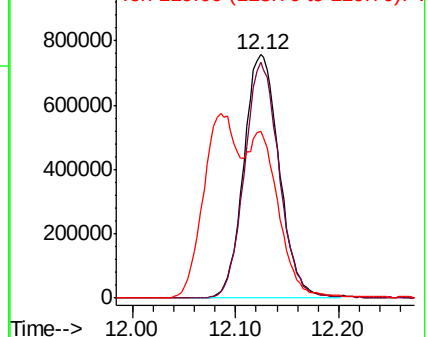
119 137.2 48.6 72.8#

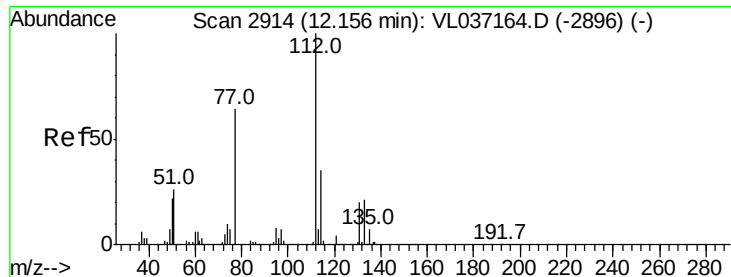


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





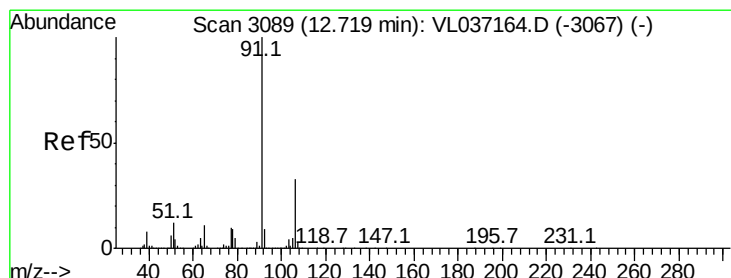
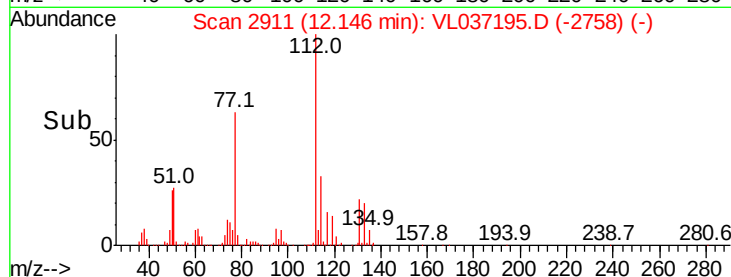
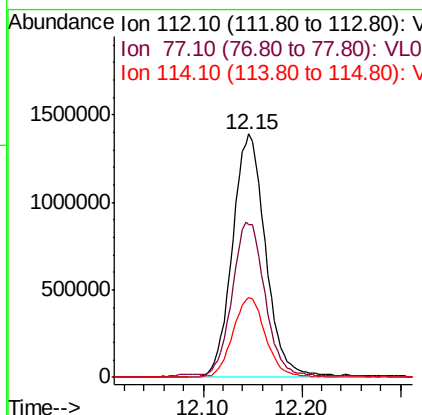
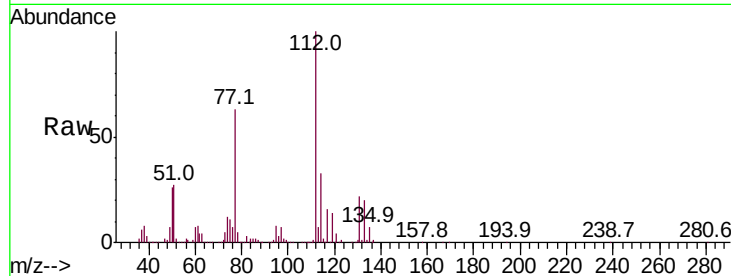
#57
Chlorobenzene
Concen: 9.354 ppbv
RT: 12.15 min Scan# 2911
Delta R.T. -0.01 min
Lab File: VL037195.D
Acq: 17 Jun 2021 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
112	100		
77	62.2	52.2	78.4
114	32.5	31.1	38.1

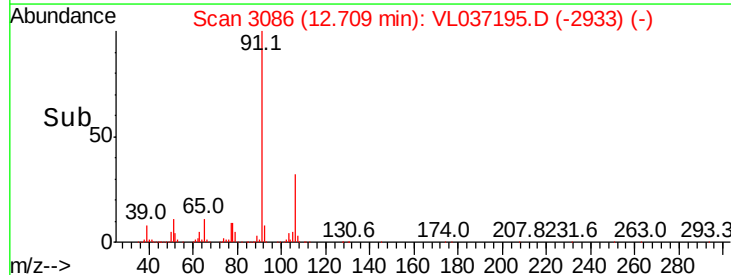
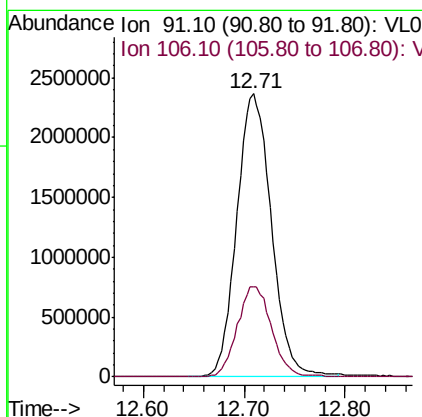
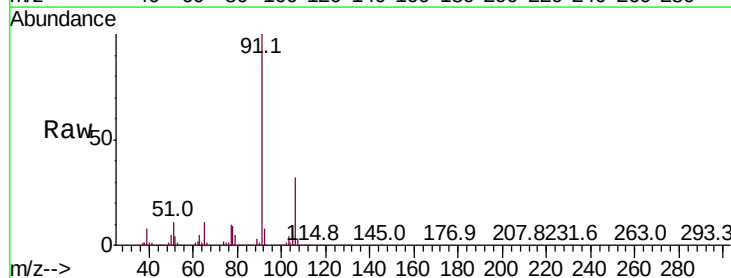
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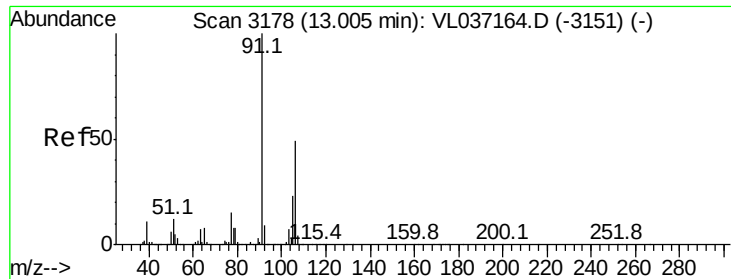
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#58
Ethyl Benzene
Concen: 9.552 ppbv
RT: 12.71 min Scan# 3086
Delta R.T. -0.01 min
Lab File: VL037195.D
Acq: 17 Jun 2021 10:17

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.9	26.3	39.5





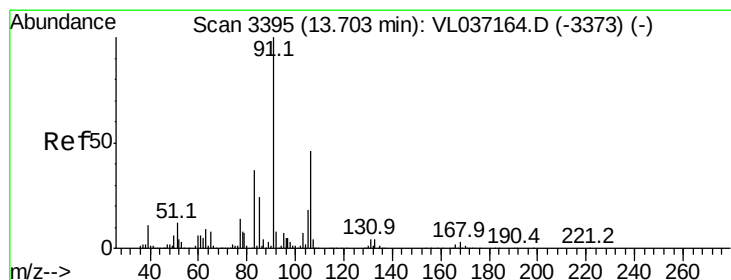
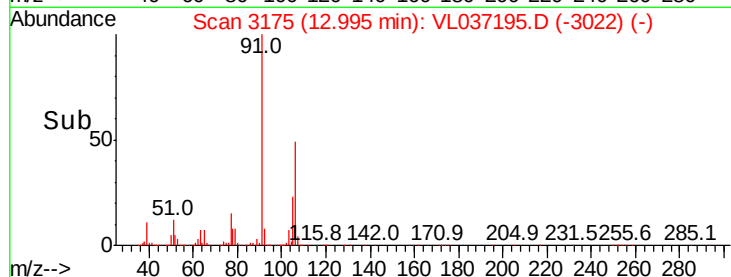
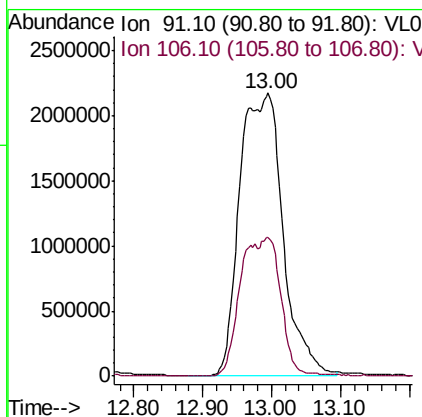
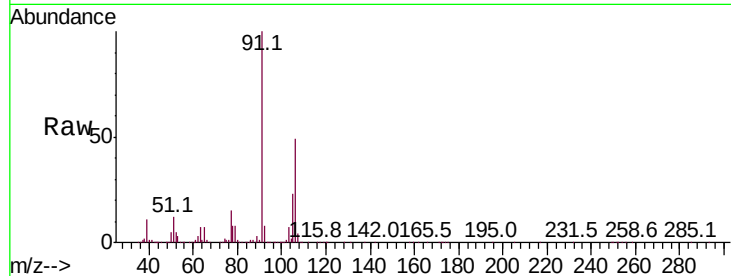
#59
m/p-Xylene
Concen: 18.964 ppbv m
RT: 13.00 min Scan# 3175
Delta R.T. -0.01 min
Lab File: VL037195.D
Acq: 17 Jun 2021 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp: 9476461
Ion Ratio Lower Upper
91 100
106 46.1 37.0 55.4

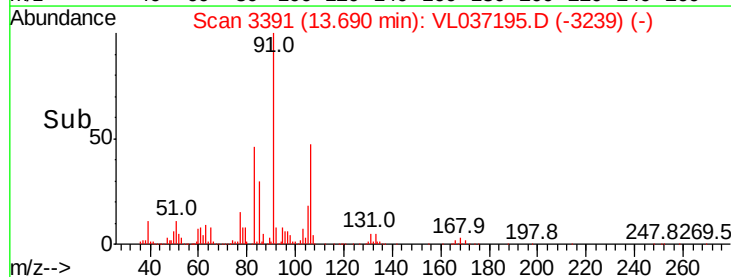
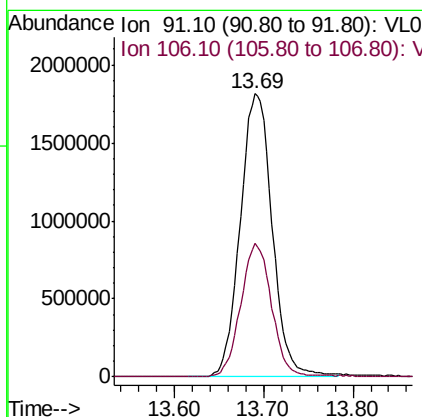
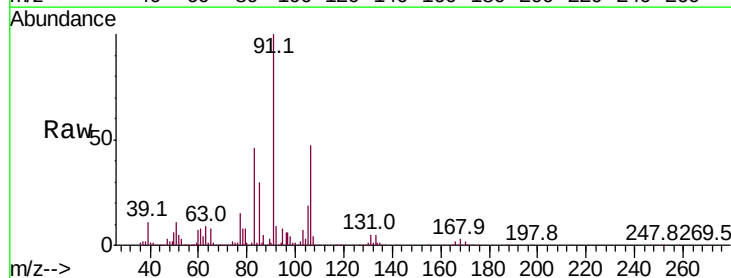
Manual Integrations
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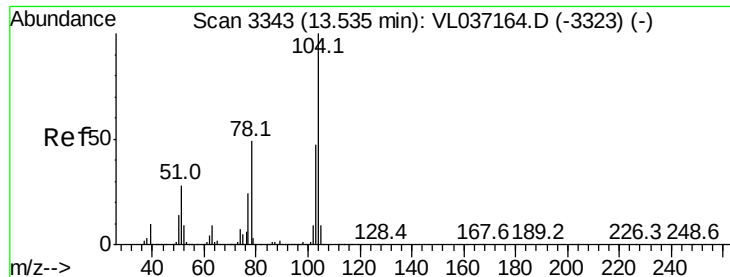
MMDadoda
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#60
o-Xylene
Concen: 9.447 ppbv
RT: 13.69 min Scan# 3391
Delta R.T. -0.01 min
Lab File: VL037195.D
Acq: 17 Jun 2021 10:17

Tgt Ion: 91 Resp: 4495055
Ion Ratio Lower Upper
91 100
106 46.0 23.0 69.0





#61

Stvrene

Concen: 10.522 ppbv

RT: 13.53 min Scan# 3341

Delta R.T. -0.01 min

Lab File: VL037195.D

Acq: 17 Jun 2021 10:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:104 Resp: 2583914

Ion Ratio Lower Upper

104 100

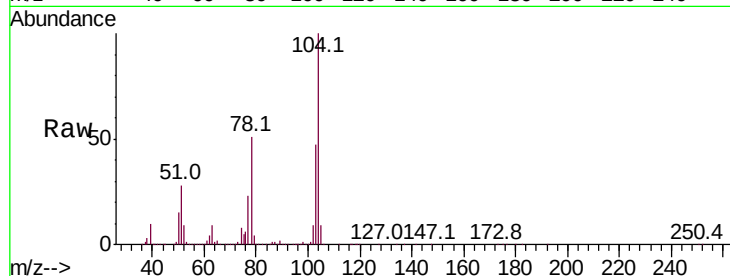
78 51.3 39.7 59.5

103 48.7 37.6 56.4

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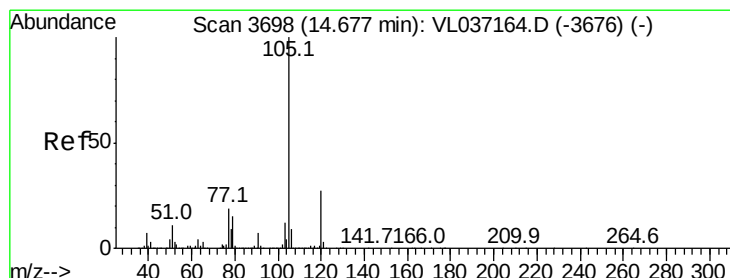
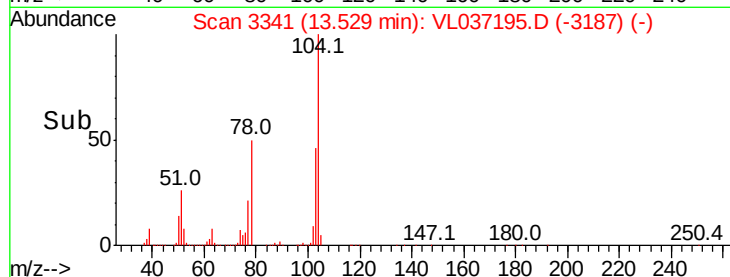
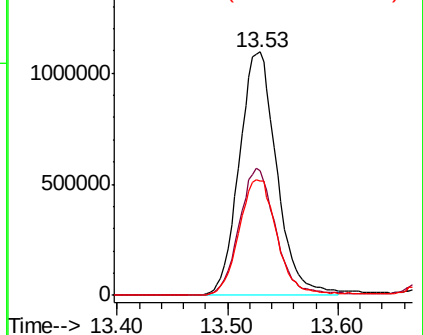
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Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 9.187 ppbv

RT: 14.66 min Scan# 3694

Delta R.T. -0.01 min

Lab File: VL037195.D

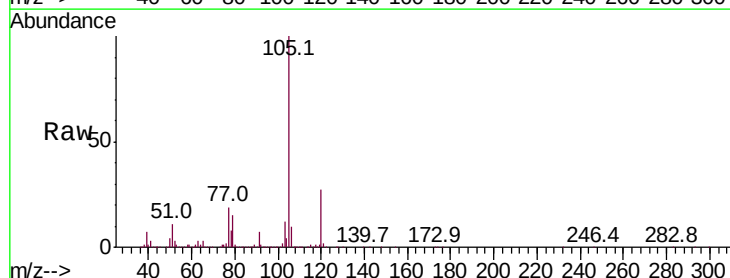
Acq: 17 Jun 2021 10:17

Tgt Ion:105 Resp: 6215998

Ion Ratio Lower Upper

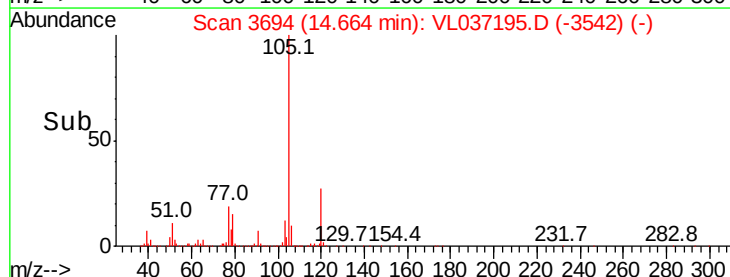
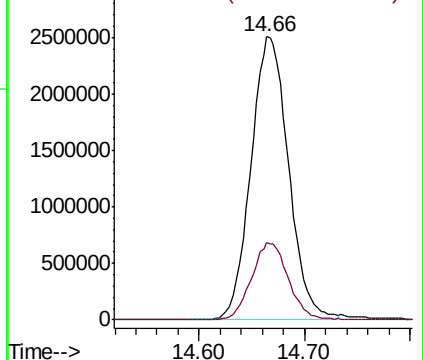
105 100

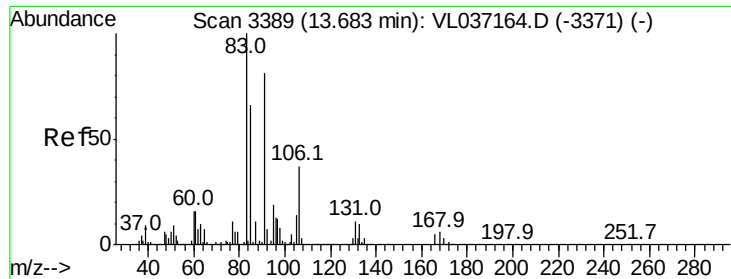
120 27.1 21.6 32.4



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: 9.362 ppbv

RT: 13.68 min Scan# 3387

Delta R.T. -0.01 min

Lab File: VL037195.D

Acq: 17 Jun 2021 10:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 83 Resp: 2966247

Ion Ratio Lower Upper

83 100

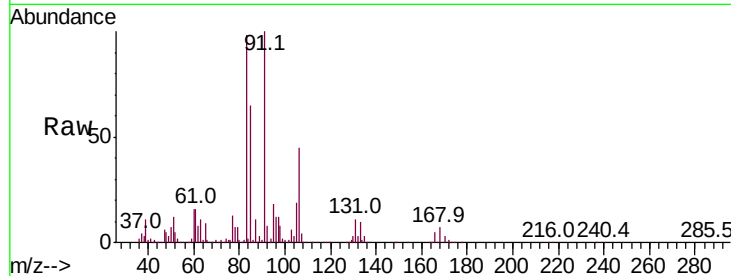
131 11.0 5.4 16.2

85 67.4 33.1 99.2

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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

1500000

1000000

500000

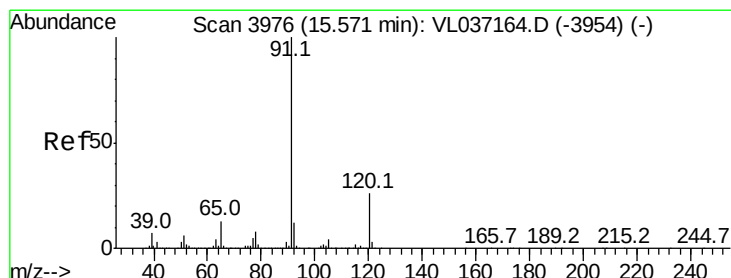
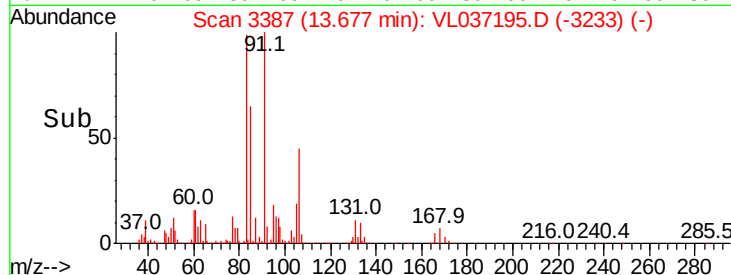
0

13.68

13.60

13.70

Time-->



#64

n-propylbenzene

Concen: 10.061 ppbv

RT: 15.56 min Scan# 3973

Delta R.T. -0.01 min

Lab File: VL037195.D

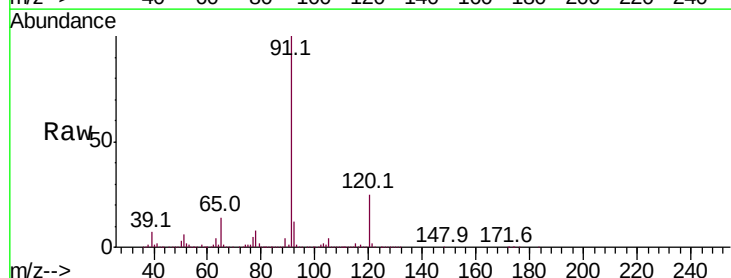
Acq: 17 Jun 2021 10:17

Tgt Ion: 120 Resp: 1704813

Ion Ratio Lower Upper

120 100

91 436.3 343.3 514.9



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0

3000000

2000000

1000000

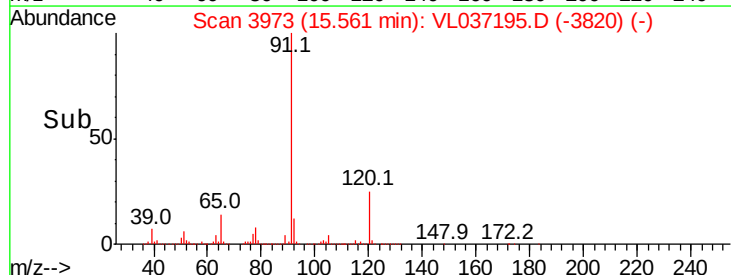
0

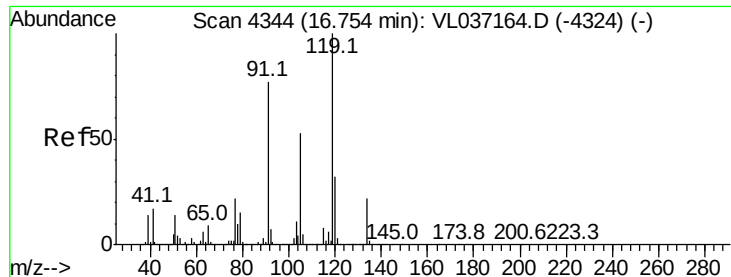
15.56

15.50

15.60

Time-->





#65

tert-Butylbenzene

Concen: 9.452 ppbv

RT: 16.74 min Scan# 4341

Delta R.T. -0.01 min

Lab File: VL037195.D

Acq: 17 Jun 2021 10:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 119 Resp: 5672336

Ion Ratio Lower Upper

119 100

91 78.8 62.6 93.8

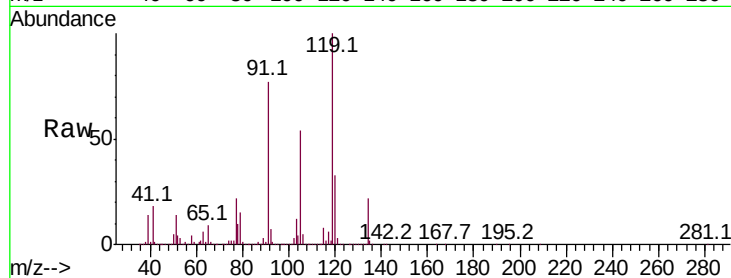
134 20.2 16.2 24.4

Manual Integrations

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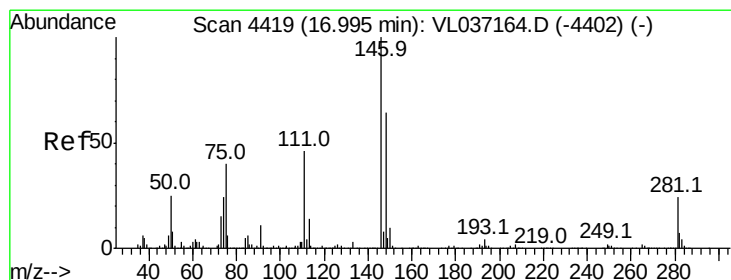
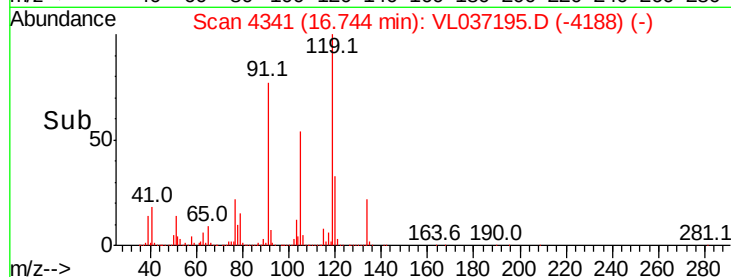
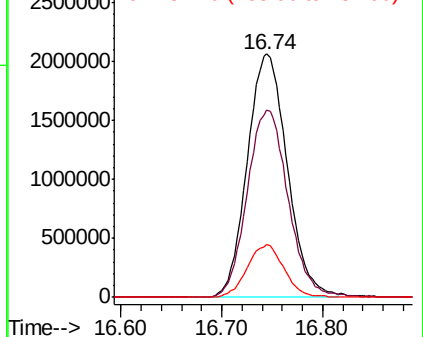
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Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 11.443 ppbv

RT: 16.99 min Scan# 4416

Delta R.T. -0.01 min

Lab File: VL037195.D

Acq: 17 Jun 2021 10:17

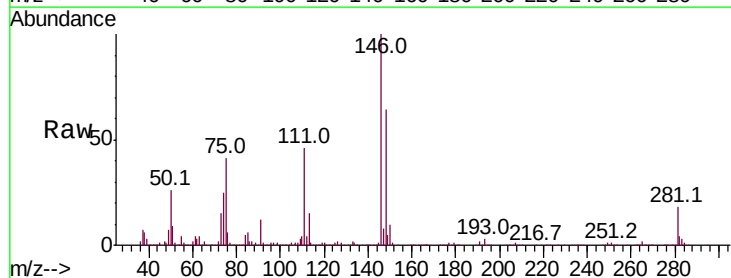
Tgt Ion: 91 Resp: 290994

Ion Ratio Lower Upper

91 100

126 19.3 15.5 23.3

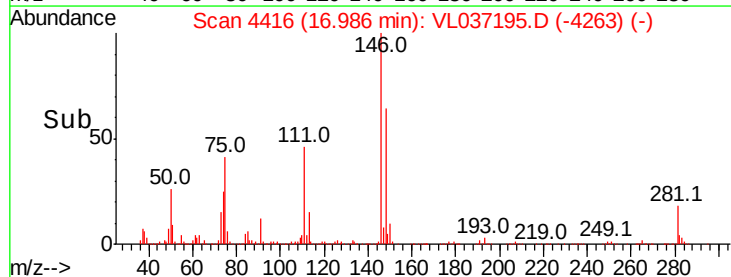
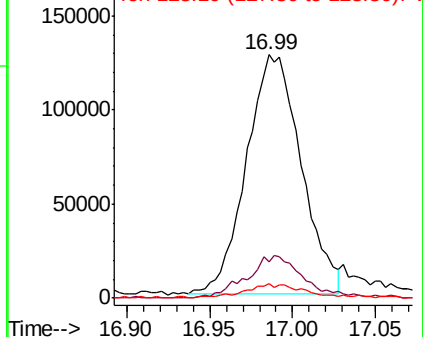
128 7.4 5.7 8.5

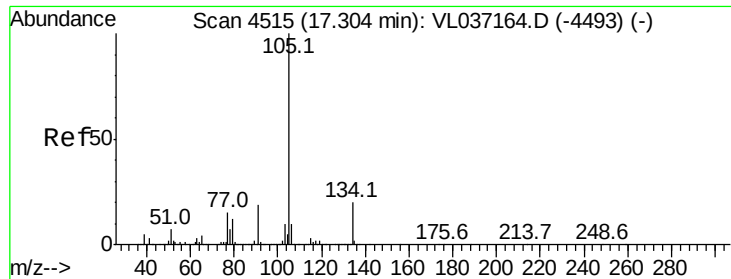


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 9.498 ppbv

RT: 17.29 min Scan# 4512

Delta R.T. -0.01 min

Lab File: VL037195.D

Acq: 17 Jun 2021 10:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:105 Resp: 7600898

Ion Ratio Lower Upper

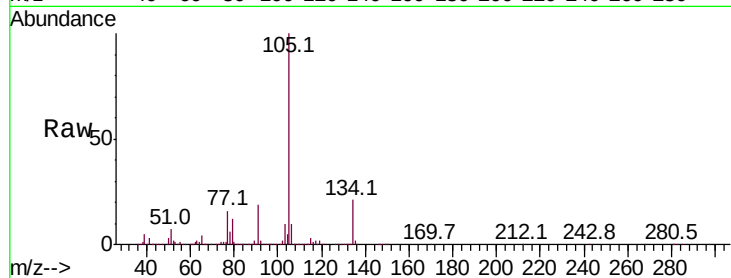
105 100

134 19.6 15.8 23.6

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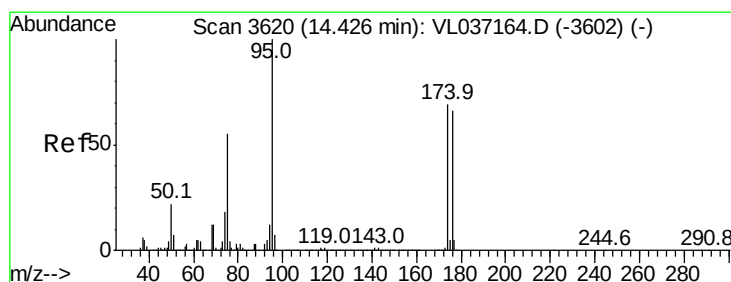
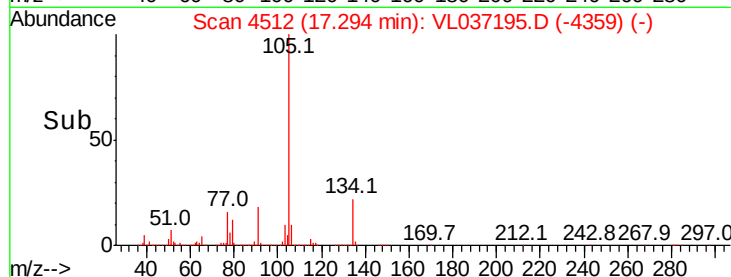
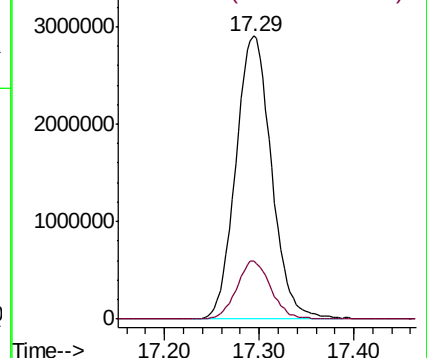
MMDadoda

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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: 9.870 ppbv

RT: 14.41 min Scan# 3616

Delta R.T. -0.01 min

Lab File: VL037195.D

Acq: 17 Jun 2021 10:17

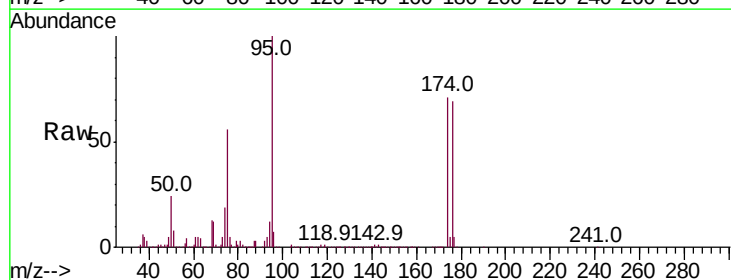
Tgt Ion: 95 Resp: 3203641

Ion Ratio Lower Upper

95 100

174 71.5 57.0 85.4

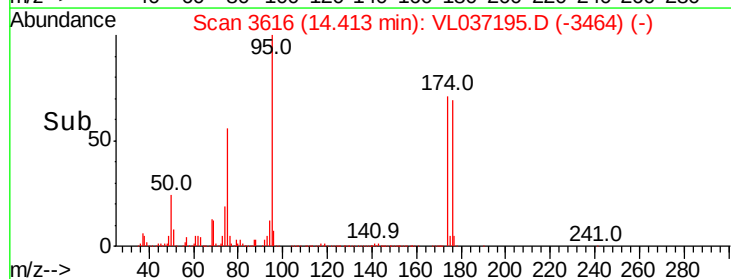
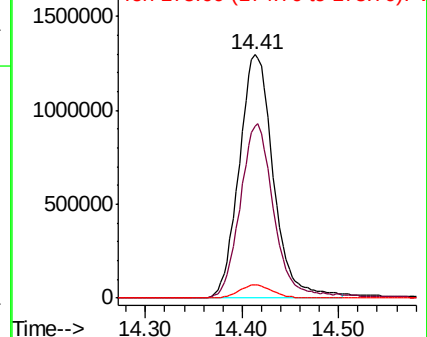
175 5.4 4.4 6.6

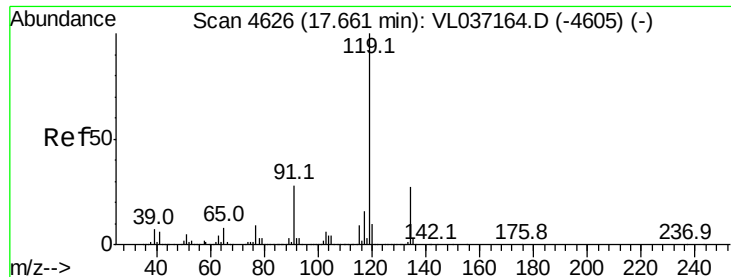


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





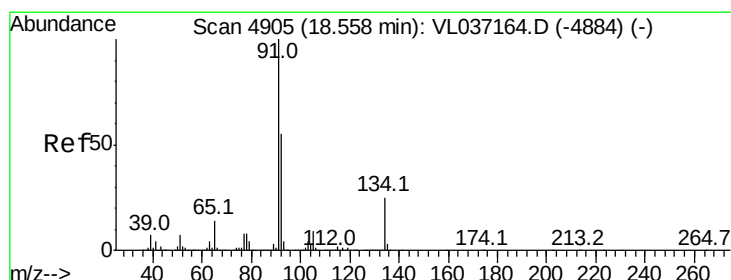
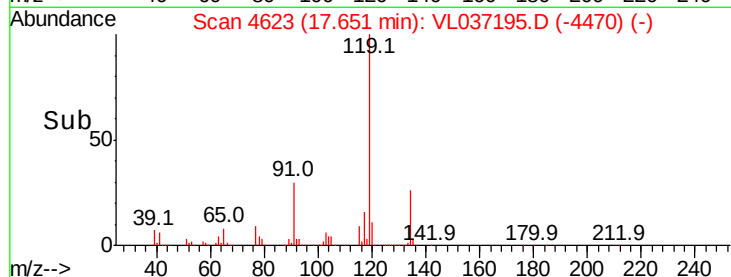
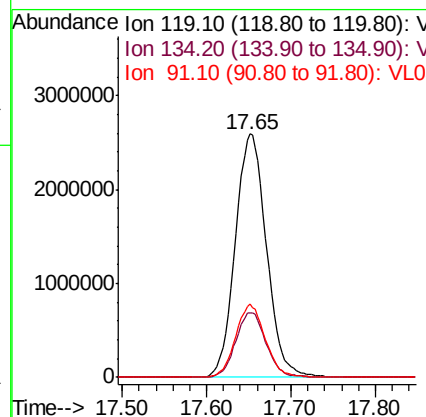
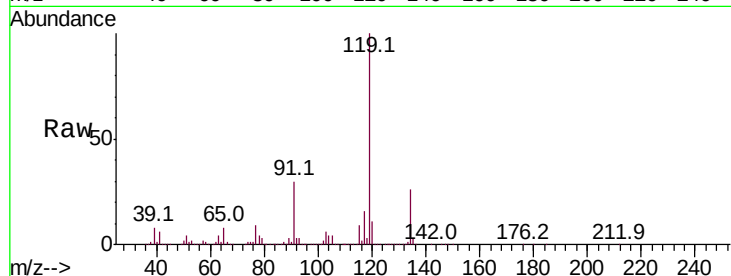
#69
 p-Isopropyltoluene
 Concen: 9.841 ppbv
 RT: 17.65 min Scan# 4623
 Delta R.T. -0.01 min
 Lab File: VL037195.D
 Acq: 17 Jun 2021 10:17

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.2	20.9	31.3
91	28.6	22.6	34.0

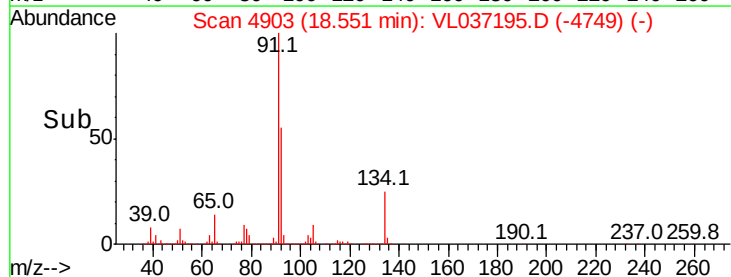
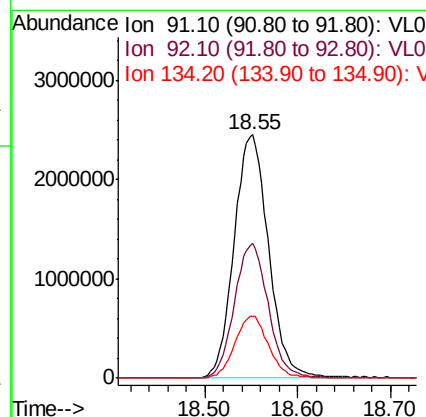
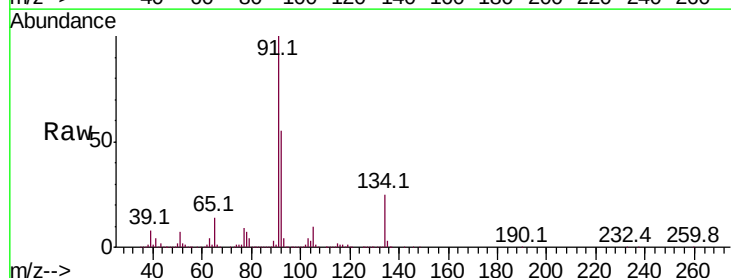
Manual Integrations
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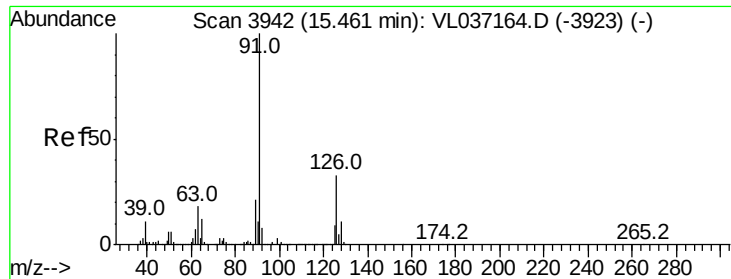
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#70
 n-Butylbenzene
 Concen: 10.108 ppbv
 RT: 18.55 min Scan# 4903
 Delta R.T. -0.01 min
 Lab File: VL037195.D
 Acq: 17 Jun 2021 10:17

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.5	44.0	66.0
134	25.1	20.2	30.4





#71

2-Chlorotoluene

Concen: 9.664 ppbv

RT: 15.45 min Scan# 3939

Delta R.T. -0.01 min

Lab File: VL037195.D

Acq: 17 Jun 2021 10:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 4571514

Ion Ratio Lower Upper

91 100

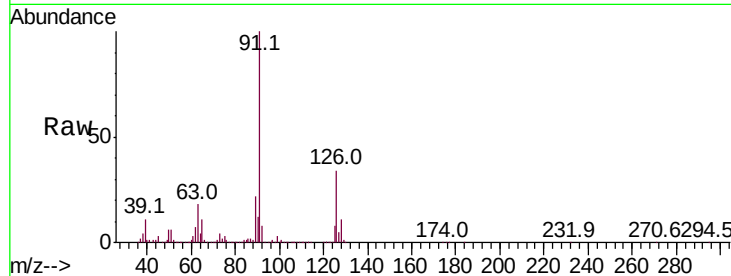
126 33.6 13.5 54.1

Manual Integrations

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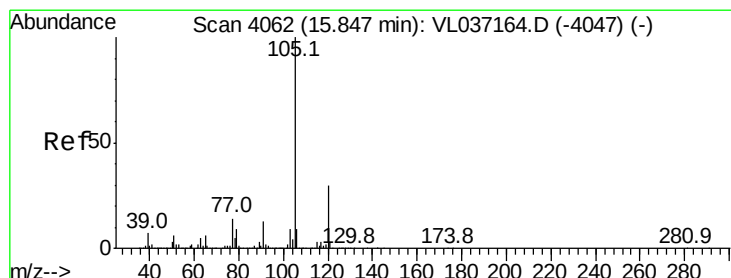
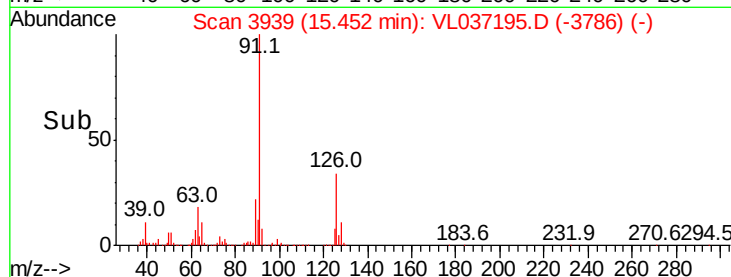
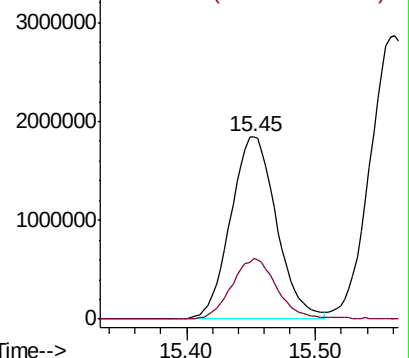
MMDadoda

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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: 10.068 ppbv

RT: 15.84 min Scan# 4059

Delta R.T. -0.01 min

Lab File: VL037195.D

Acq: 17 Jun 2021 10:17

Tgt Ion: 105 Resp: 5442353

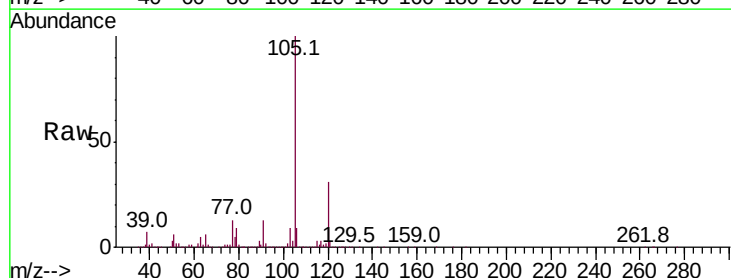
Ion Ratio Lower Upper

105 100

120 30.9 24.7 37.1

91 12.7 10.2 15.4

77 13.9 11.0 16.6

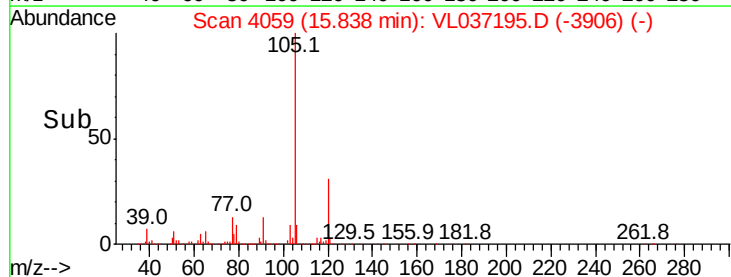
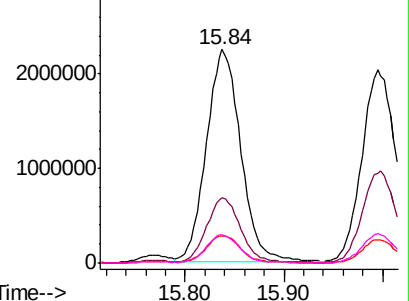


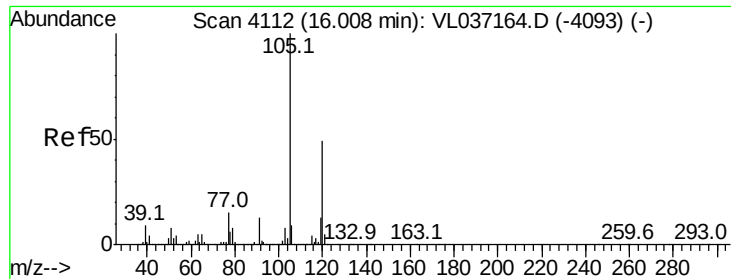
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





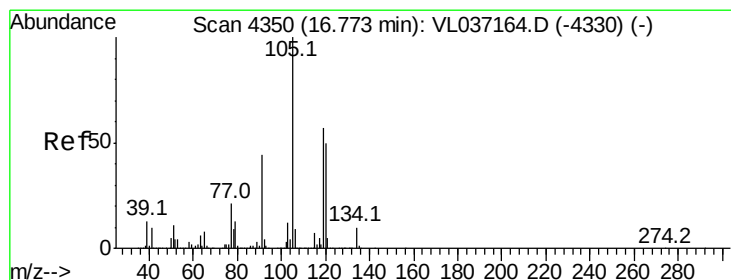
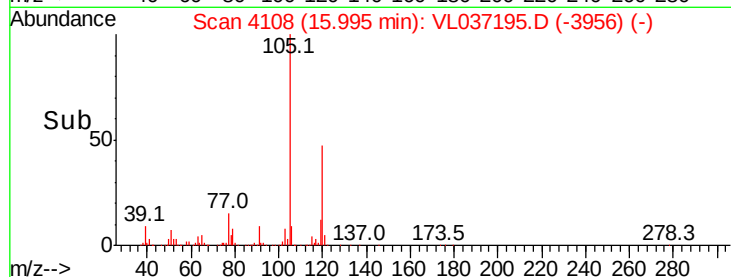
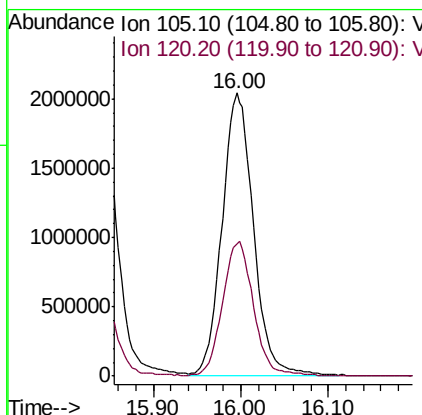
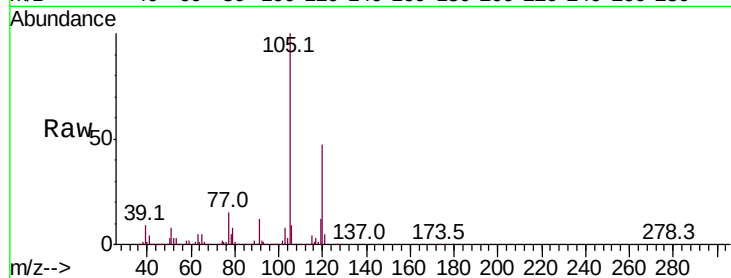
#73
 1,3,5-Trimethylbenzene
 Concen: 9.651 ppbv
 RT: 16.00 min Scan# 4108
 Delta R.T. -0.01 min
 Lab File: VL037195.D
 Acq: 17 Jun 2021 10:17

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:105 Resp: 5042730
 Ion Ratio Lower Upper
 105 100
 120 46.5 39.4 59.2

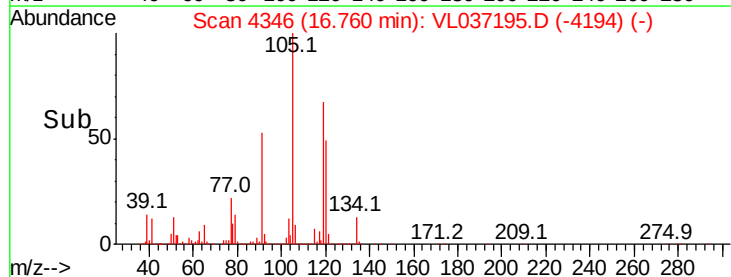
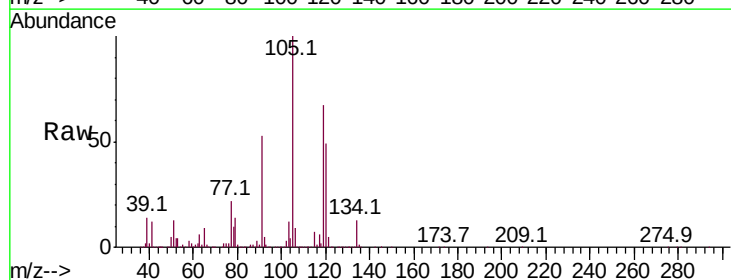
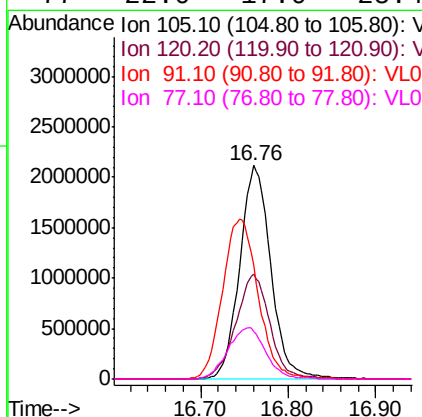
Manual Integrations
 APPROVED

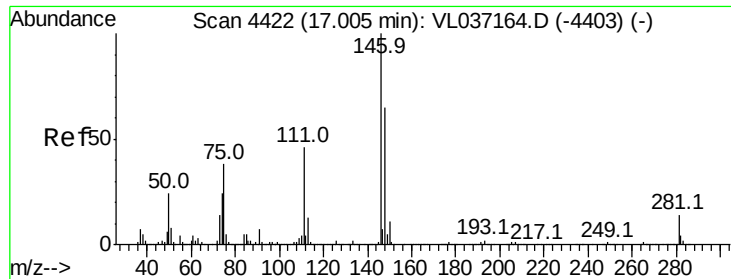
MMDadoda
 6/21/2021 12:53:46 PM



#74
 1,2,4-Trimethylbenzene
 Concen: 9.695 ppbv
 RT: 16.76 min Scan# 4346
 Delta R.T. -0.01 min
 Lab File: VL037195.D
 Acq: 17 Jun 2021 10:17

Tgt Ion:105 Resp: 5219626
 Ion Ratio Lower Upper
 105 100
 120 49.1 39.8 59.8
 91 53.3 37.0 55.4
 77 22.0 17.0 25.4





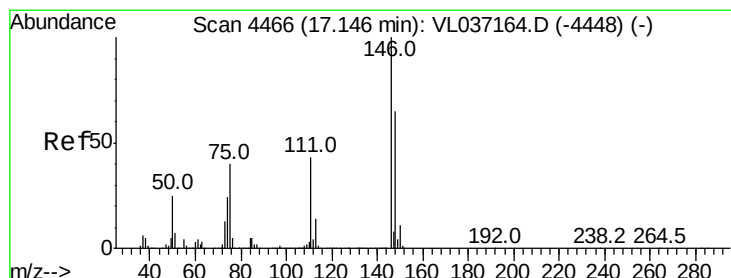
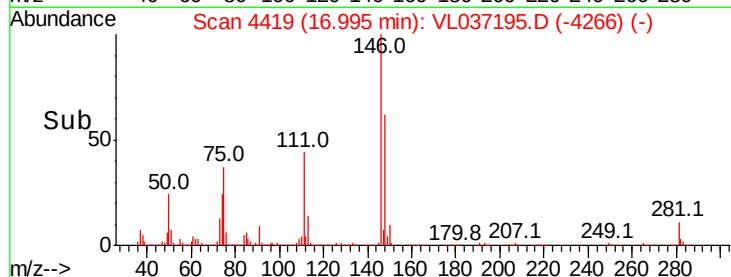
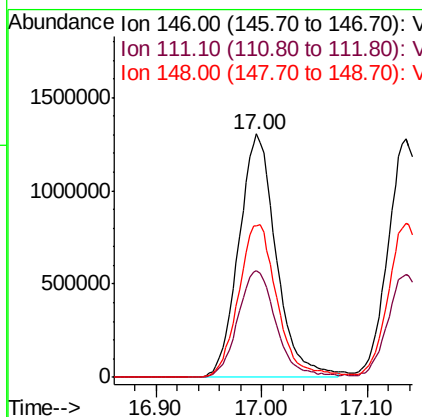
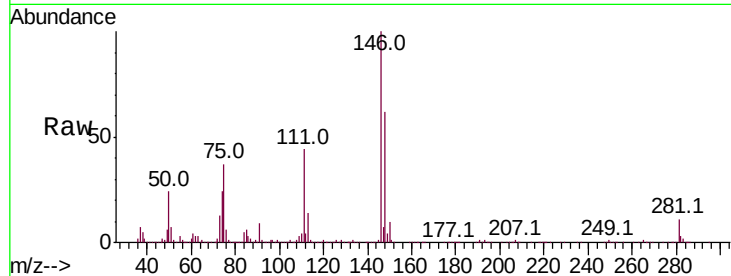
#75
 1,3-Dichlorobenzene
 Concen: 9.840 ppbv
 RT: 17.00 min Scan# 4419
 Delta R.T. -0.01 min
 Lab File: VL037195.D
 Acq: 17 Jun 2021 10:17

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.0	22.2	66.6
148	65.0	32.4	97.2

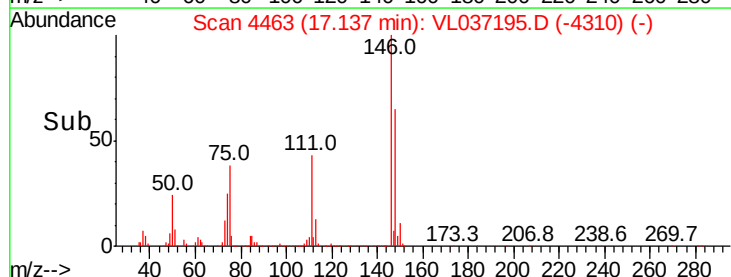
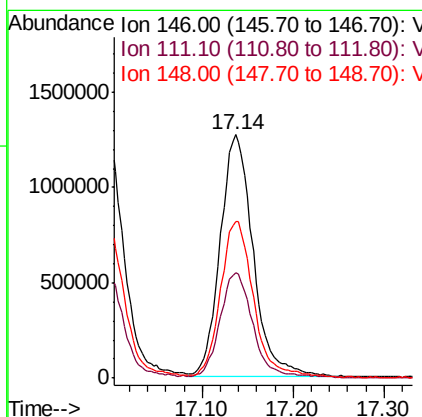
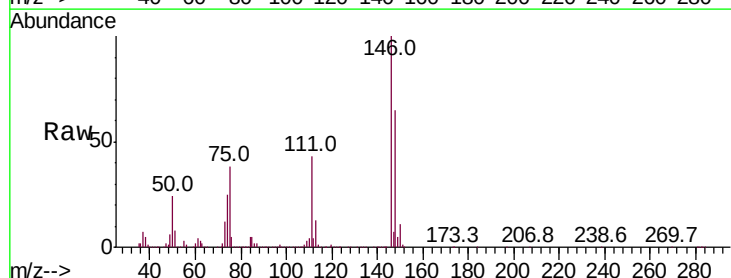
Manual Integrations
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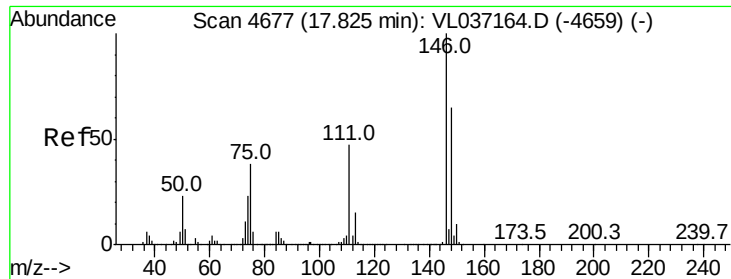
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#76
 1,4-Dichlorobenzene
 Concen: 9.773 ppbv
 RT: 17.14 min Scan# 4463
 Delta R.T. -0.01 min
 Lab File: VL037195.D
 Acq: 17 Jun 2021 10:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.8	22.7	68.0
148	65.4	33.7	101.1





#77

1,2-Dichlorobenzene

Concen: 9.826 ppbv

RT: 17.82 min Scan# 4675

Delta R.T. -0.01 min

Lab File: VL037195.D

Acq: 17 Jun 2021 10:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:146 Resp: 3111554

Ion Ratio Lower Upper

146 100

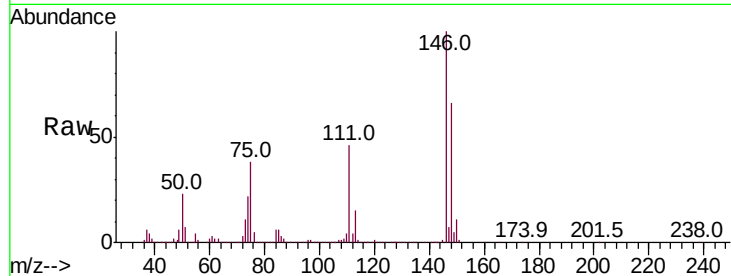
111 46.4 23.3 69.8

148 64.6 32.4 97.0

Manual Integrations
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MMDadoda

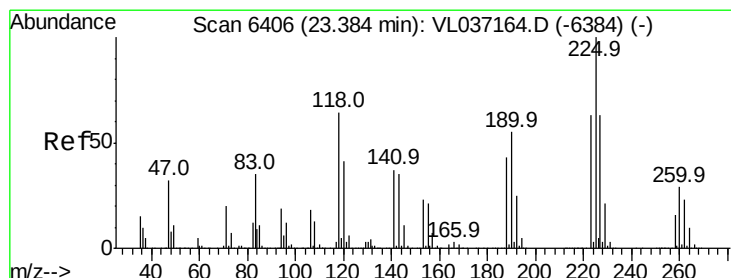
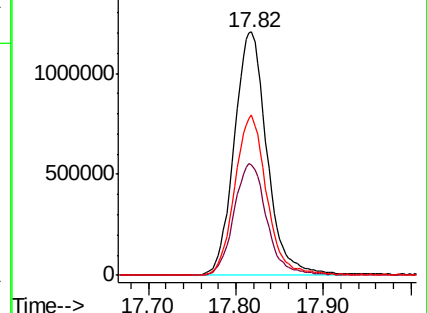
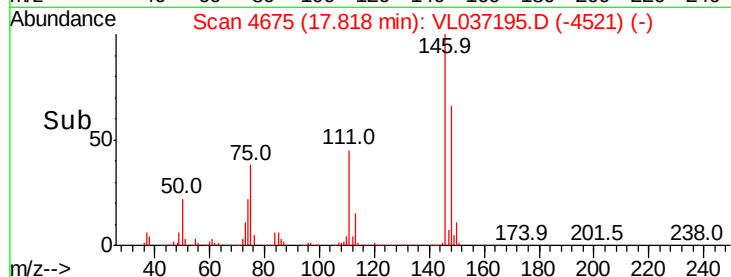
6/21/2021 12:53:46 PM



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



#78

Hexachloro-1,3-Butadiene

Concen: 7.640 ppbv

RT: 23.37 min Scan# 6403

Delta R.T. -0.01 min

Lab File: VL037195.D

Acq: 17 Jun 2021 10:17

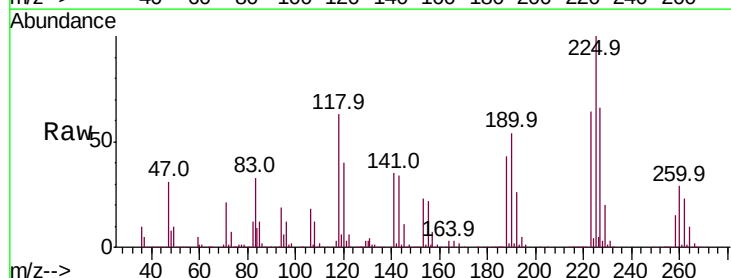
Tgt Ion:225 Resp: 2080246

Ion Ratio Lower Upper

225 100

223 64.7 51.8 77.8

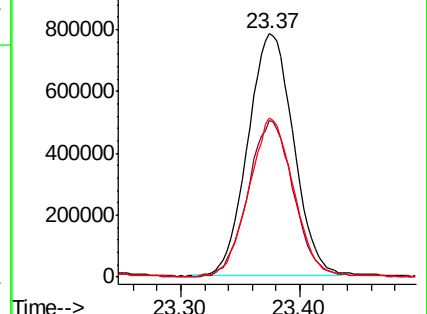
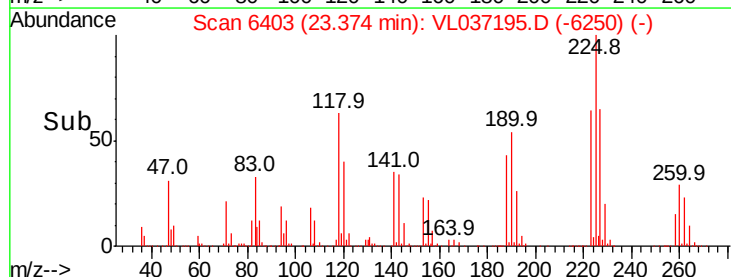
227 65.0 51.4 77.0

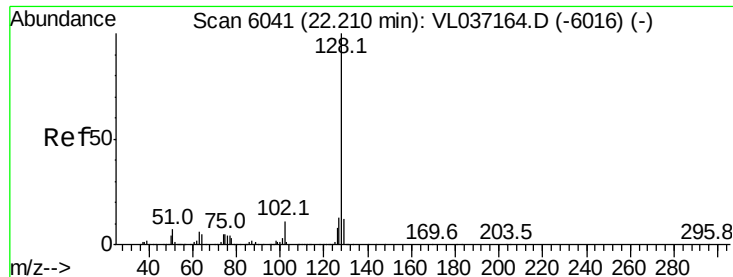


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





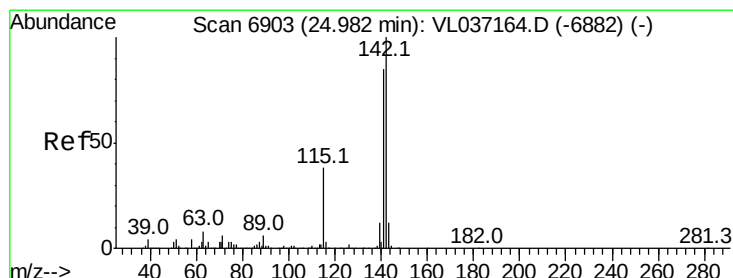
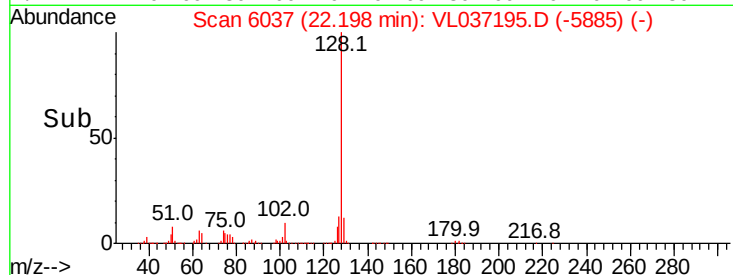
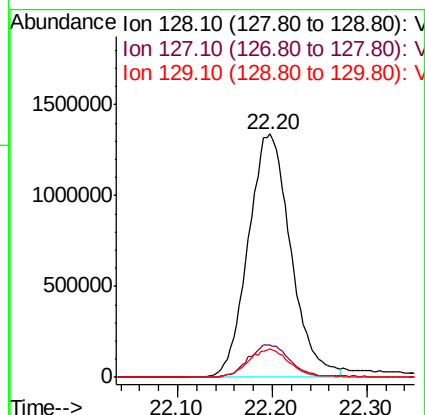
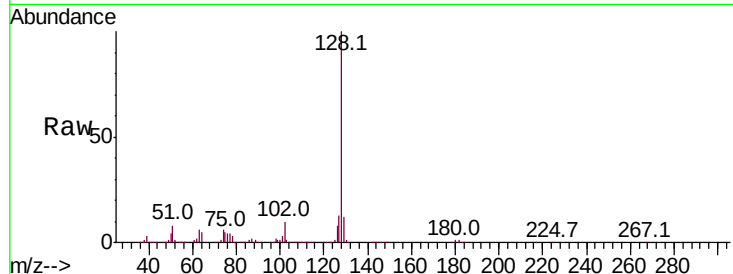
#79
Naphthalene
Concen: 9.297 ppbv
RT: 22.20 min Scan# 6037
Delta R.T. -0.01 min
Lab File: VL037195.D
Acq: 17 Jun 2021 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.7	16.1
129	11.7	9.3	13.9

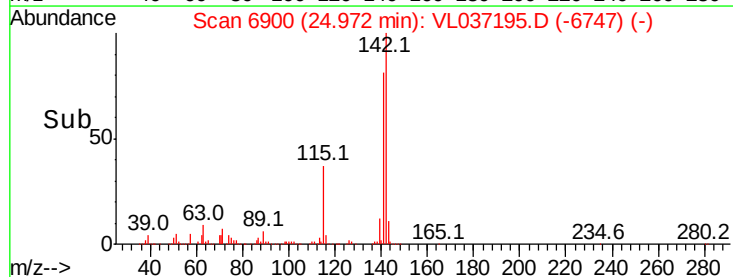
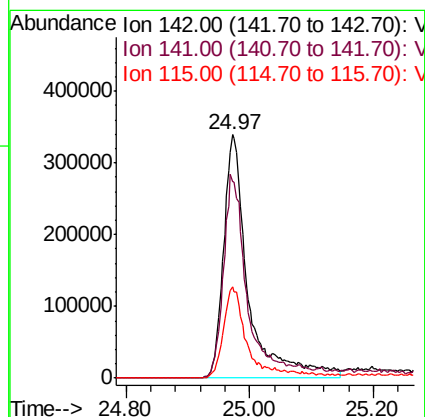
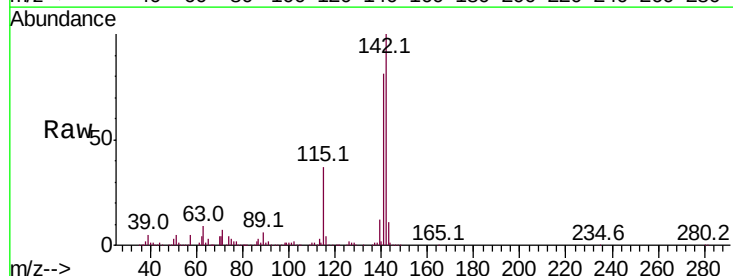
Manual Integrations
APPROVED

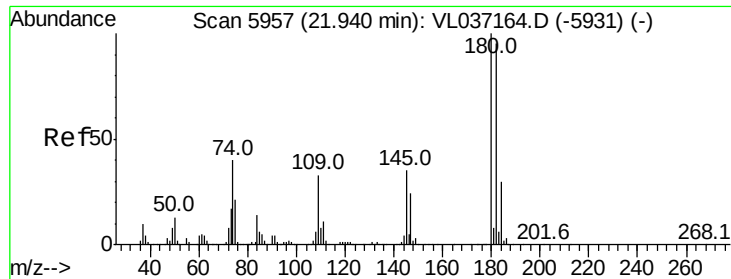
MMDadoda
6/21/2021 12:53:46 PM



#80
Naphthalene, 2-methyl-
Concen: 8.022 ppbv
RT: 24.97 min Scan# 6900
Delta R.T. -0.01 min
Lab File: VL037195.D
Acq: 17 Jun 2021 10:17

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.6	63.7	95.5
115	36.7	30.6	45.8





#81
 1,2,4-Trichlorobenzene
 Concen: 8.992 ppbv
 RT: 21.93 min Scan# 5953
 Delta R.T. -0.01 min
 Lab File: VL037195.D
 Acq: 17 Jun 2021 10:17

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.9	79.3	118.9
184	31.6	24.7	37.1

Manual Integrations
 APPROVED

MMDadoda
 6/21/2021 12:53:46 PM

