

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

Quant Time: Jun 18 01:20:03 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 16 14:06:32 2021
 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	5214514	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	3203641	8.11	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	81.10%

Target Compounds					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

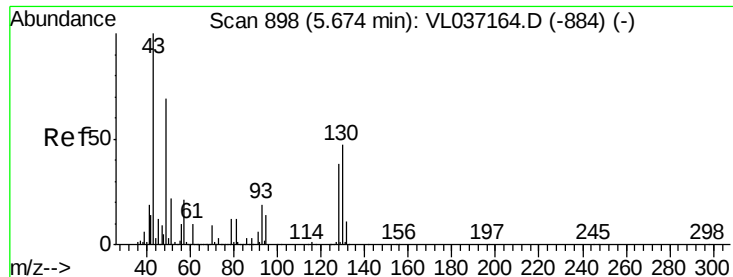
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061721\
 Data File : VL037195.D
 Acq On : 17 Jun 2021 10:17
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
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Quant Time: Jun 18 01:20:03 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 16 14:06:32 2021
 QLast Update : Wed Jun 16 14:06:32 2021
 Response via : Initial Calibration

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	7.940	ppbv #	61
57) Chlorobenzene	12.15	112	3249594	7.684	ppbv	96
58) Ethyl Benzene	12.71	91	5632484	7.846	ppbv	98
59) m/p-Xylene	13.00	91	4743069	7.797	ppbv #	31
60) o-Xylene	13.69	91	4495055	7.760	ppbv	100
61) Styrene	13.53	104	2583914	8.643	ppbv	98
62) Isopropylbenzene	14.66	105	6215998	7.547	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.68	83	2966247	7.691	ppbv	99
64) n-propylbenzene	15.56	120	1704813	8.265	ppbv	97
65) tert-Butylbenzene	16.74	119	5672336	7.764	ppbv	99
66) Benzyl Chloride	16.99	91	290994	9.400	ppbv	100
67) sec-Butylbenzene	17.29	105	7600898	7.803	ppbv	100
69) p-Isopropyltoluene	17.65	119	6651791	8.084	ppbv	100
70) n-Butylbenzene	18.55	91	6323368	8.303	ppbv	99
71) 2-Chlorotoluene	15.45	91	4571514	7.938	ppbv	100
72) 4-Ethyltoluene	15.84	105	5442353	8.270	ppbv	100
73) 1,3,5-Trimethylbenzene	16.00	105	5042730	7.928	ppbv	96
74) 1,2,4-Trimethylbenzene	16.76	105	5219626	7.964	ppbv	95
75) 1,3-Dichlorobenzene	17.00	146	3221295	8.084	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	3195254	8.028	ppbv	98
77) 1,2-Dichlorobenzene	17.82	146	3111554	8.072	ppbv	100
78) Hexachloro-1,3-Butadiene	23.37	225	2080246	6.276	ppbv	99
79) Naphthalene	22.20	128	4173371	7.637	ppbv	100
80) Naphthalene, 2-methyl-	24.97	142	944368	6.590	ppbv	95
81) 1,2,4-Trichlorobenzene	21.93	180	2329205	7.387	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

Lab File: VL037195.D

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ClientSampleId :

VSTDCCC010

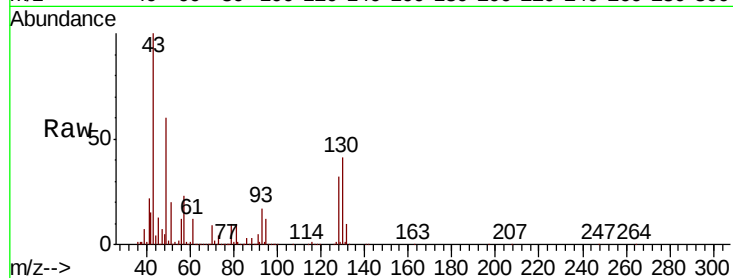
Tot Ion: 49 Resp: 1515584

Ion Ratio Lower Upper

49 100

128 57.5 29.3 88.0

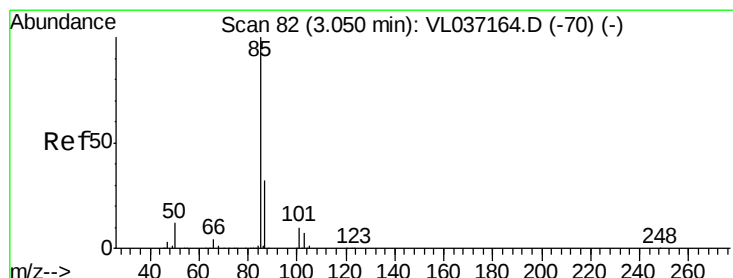
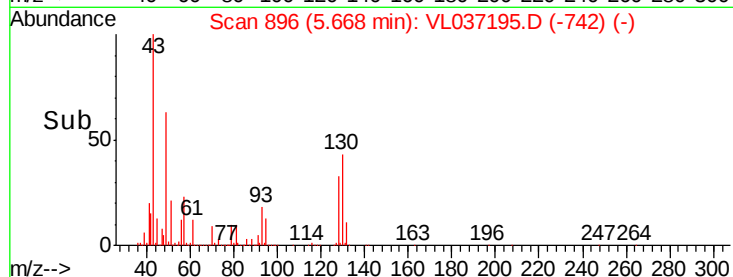
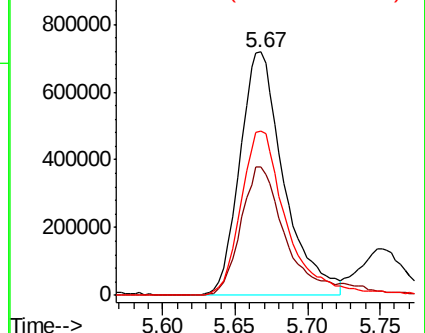
130 71.8 35.9 107.8



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 9.684 ppbv

RT: 3.05 min Scan# 81

Delta R.T. -0.00 min

Lab File: VL037195.D

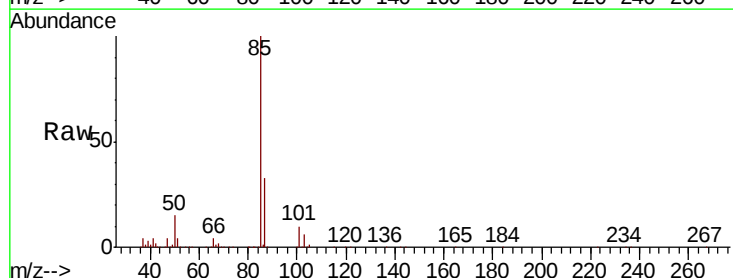
Acq: 17 Jun 2021 10:17

Tgt Ion: 85 Resp: 2552504

Ion Ratio Lower Upper

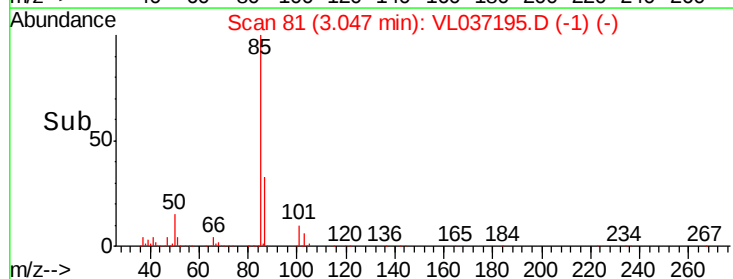
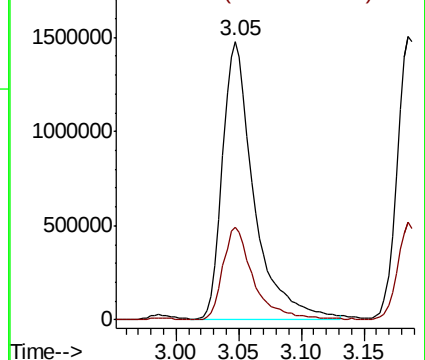
85 100

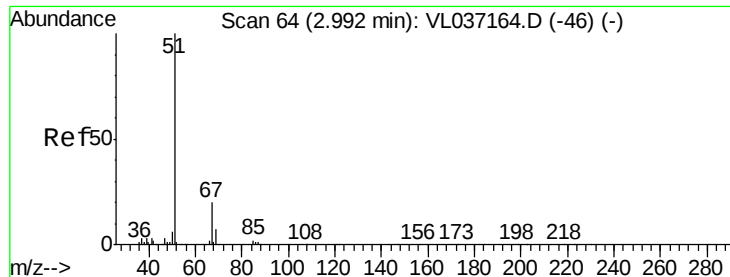
87 33.4 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#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 :

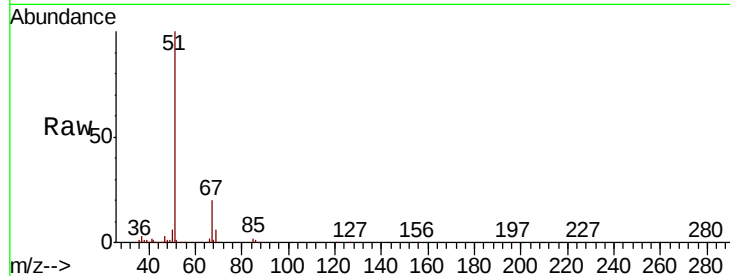
VSTDCCC010

Tot Ion: 51 Resp: 2727373

Ion Ratio Lower Upper

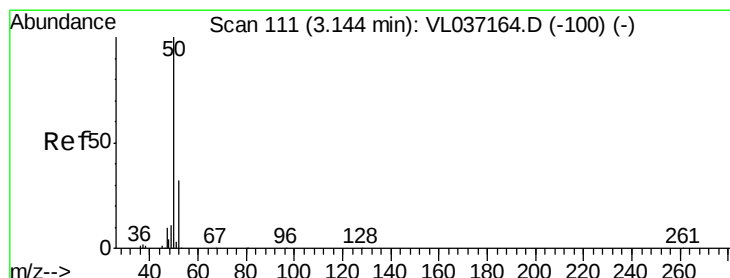
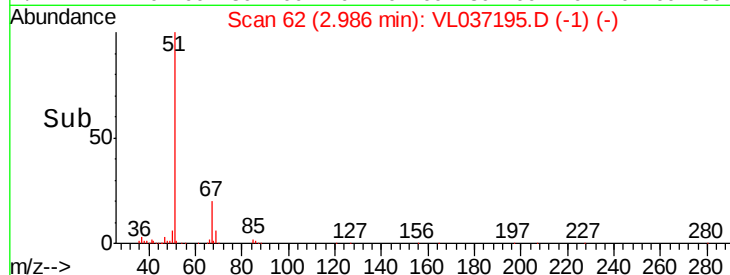
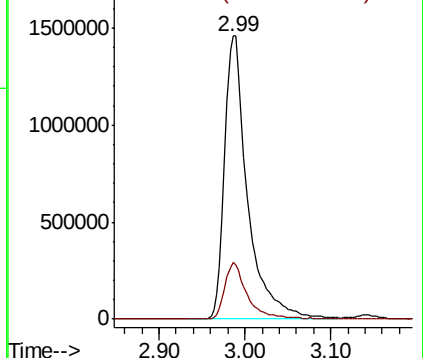
51 100

67 19.6 15.8 23.6



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

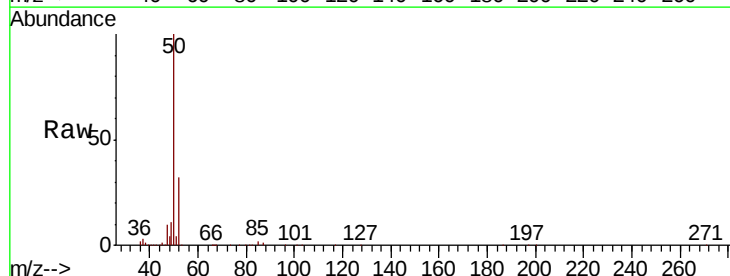
Acq: 17 Jun 2021 10:17

Tgt Ion: 50 Resp: 949336

Ion Ratio Lower Upper

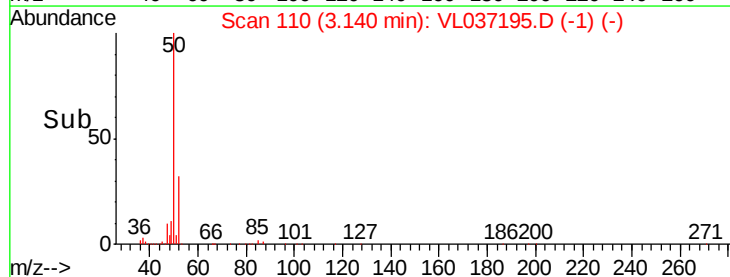
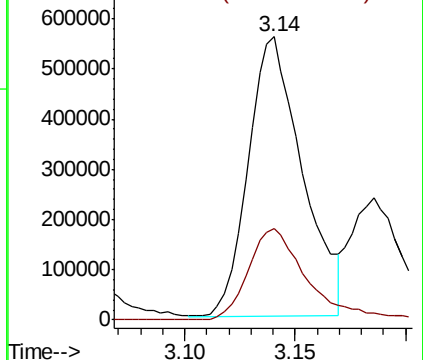
50 100

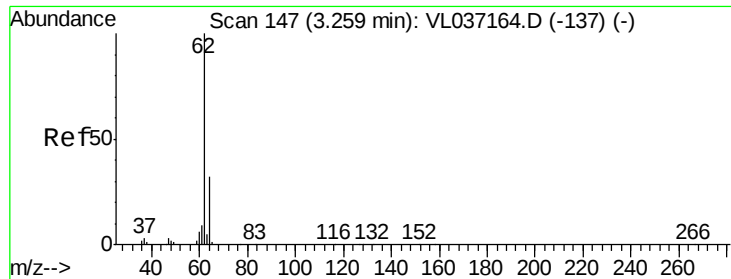
52 32.8 25.8 38.8



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 :

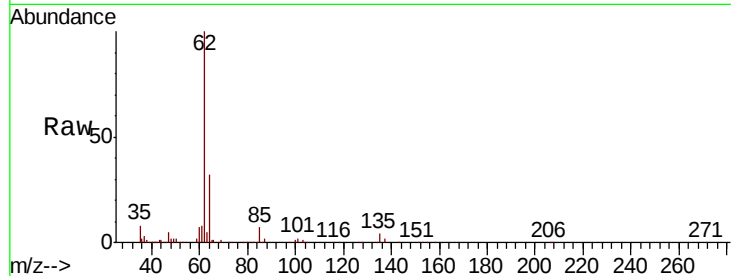
VSTDCCC010

Tot Ion: 62 Resp: 1042985

Ion Ratio Lower Upper

62 100

64 32.2 25.6 38.4



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.26

600000

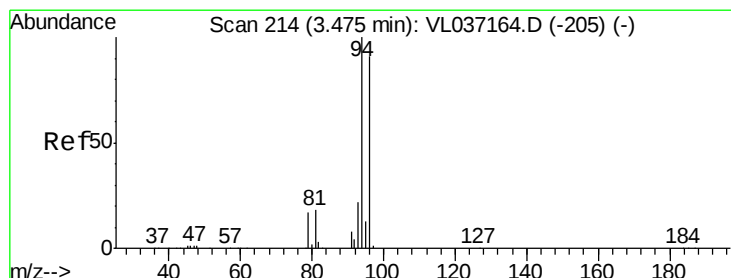
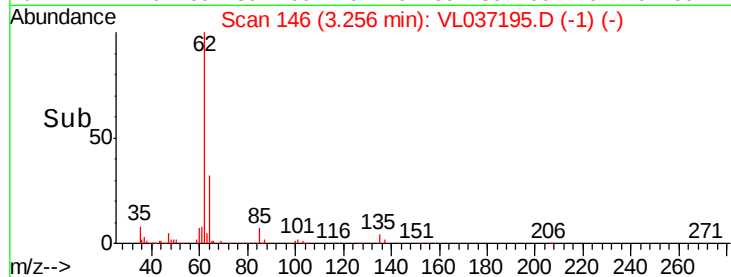
400000

200000

0

3.20 3.25 3.30 3.35

Time-->



#6

Bromomethane

Concen: 9.856 ppbv

RT: 3.47 min Scan# 214

Delta R.T. 0.00 min

Lab File: VL037195.D

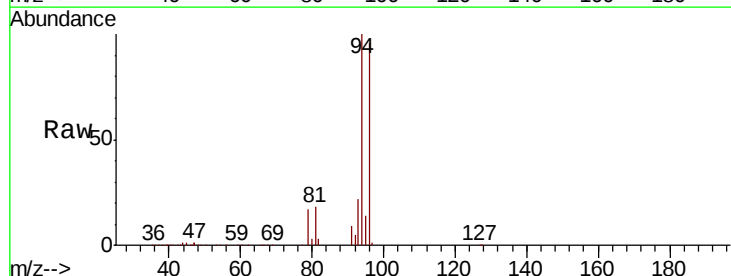
Acq: 17 Jun 2021 10:17

Tgt Ion: 94 Resp: 634684

Ion Ratio Lower Upper

94 100

96 96.1 72.6 108.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.47

300000

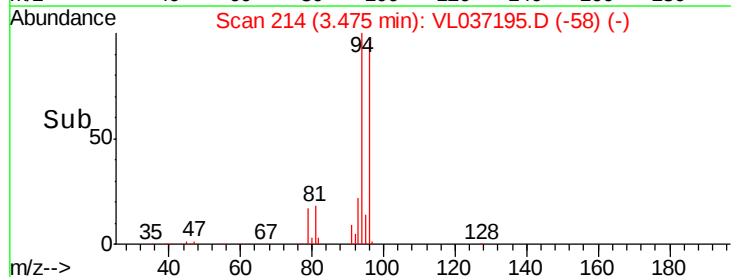
200000

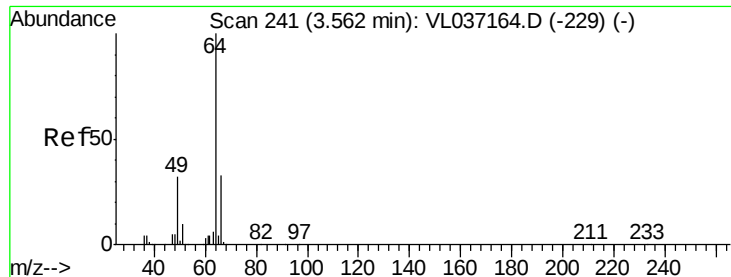
100000

0

3.40 3.45 3.50 3.55

Time-->





#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 :

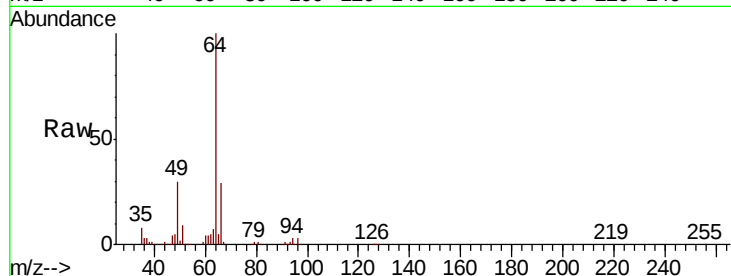
VSTDCCC010

Tot Ion: 64 Resp: 377104

Ion Ratio Lower Upper

64 100

66 29.3 26.2 39.4



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

250000

200000

150000

100000

50000

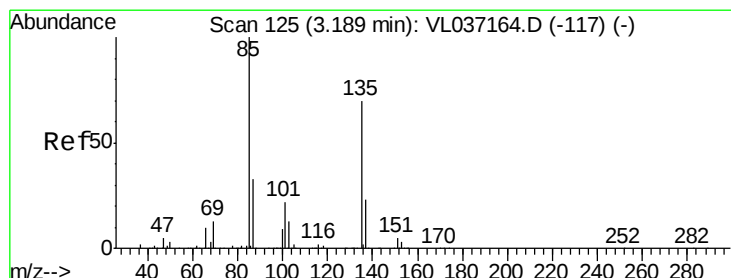
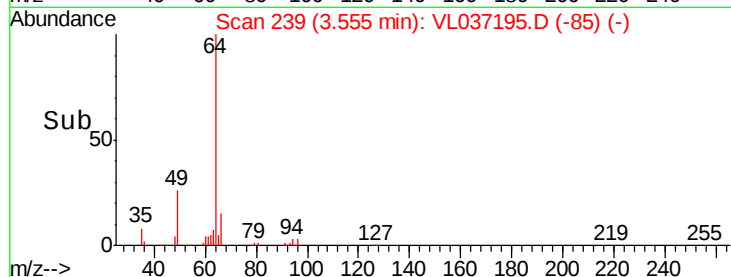
0

3.50

3.55

3.60

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.606 ppbv

RT: 3.19 min Scan# 124

Delta R.T. -0.00 min

Lab File: VL037195.D

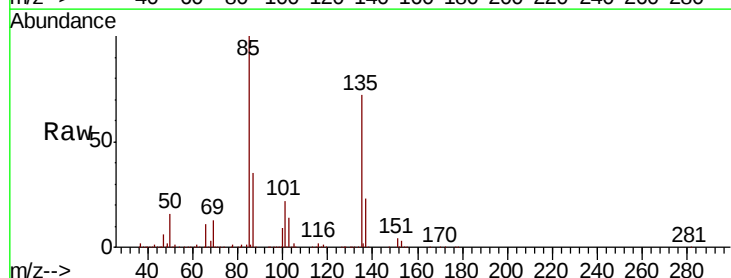
Acq: 17 Jun 2021 10:17

Tgt Ion: 85 Resp: 2597459

Ion Ratio Lower Upper

85 100

135 73.1 60.4 90.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

1500000

1000000

500000

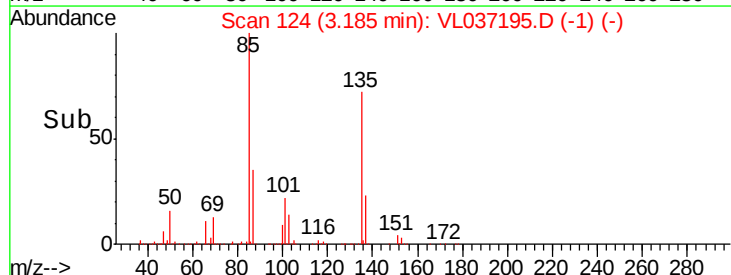
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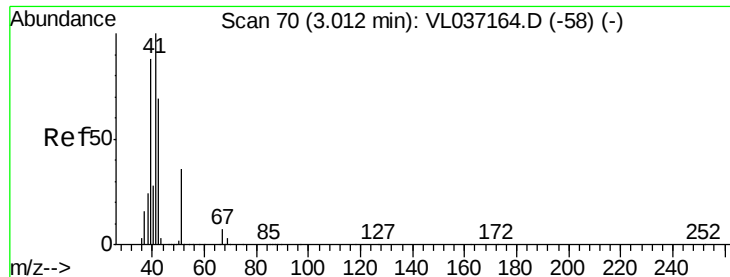
3.10

3.20

3.30

Time-->





#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 :

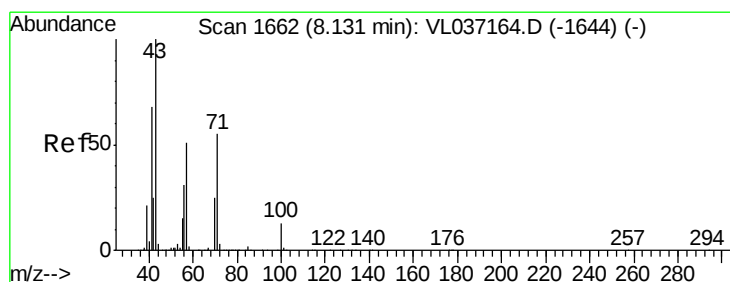
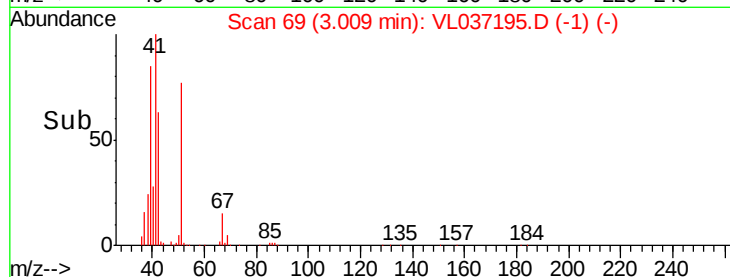
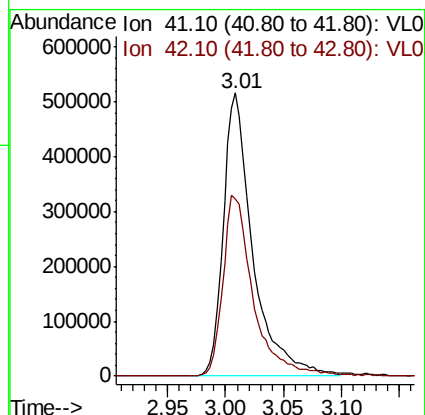
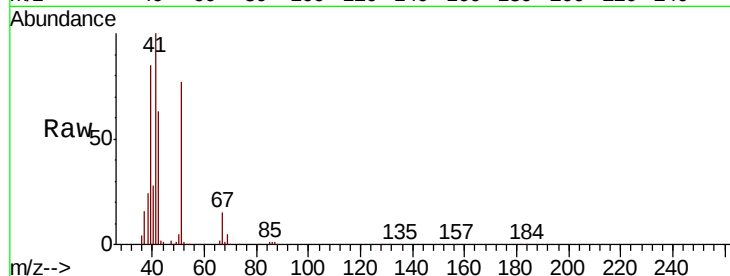
VSTDCCC010

Tot Ion: 41 Resp: 915659

Ion Ratio Lower Upper

41 100

42 66.1 54.5 81.7



#10

Heptane

Concen: 9.879 ppbv

RT: 8.12 min Scan# 1659

Delta R.T. -0.01 min

Lab File: VL037195.D

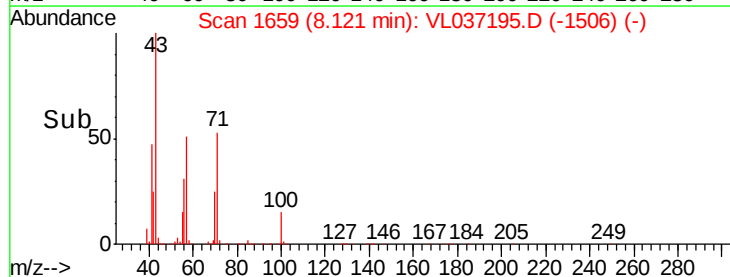
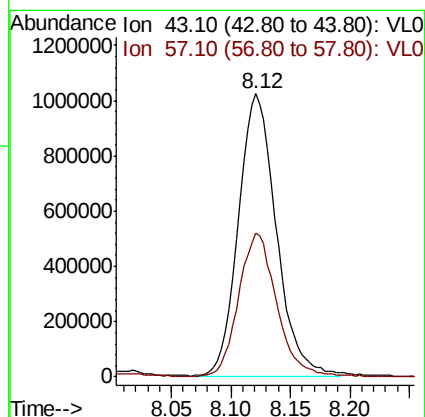
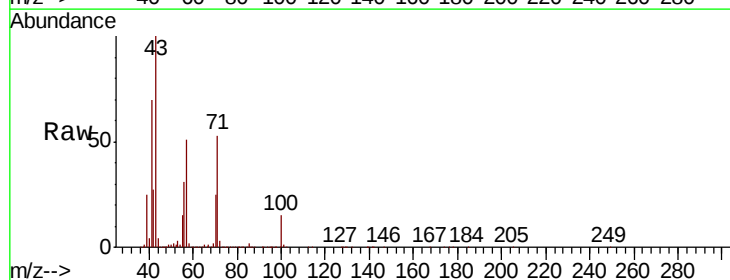
Acq: 17 Jun 2021 10:17

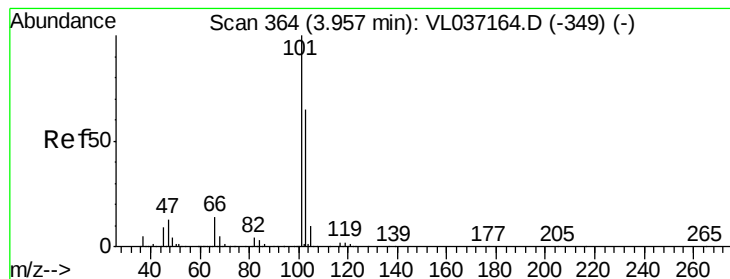
Tgt Ion: 43 Resp: 2254427

Ion Ratio Lower Upper

43 100

57 51.4 40.6 61.0





#11

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 :

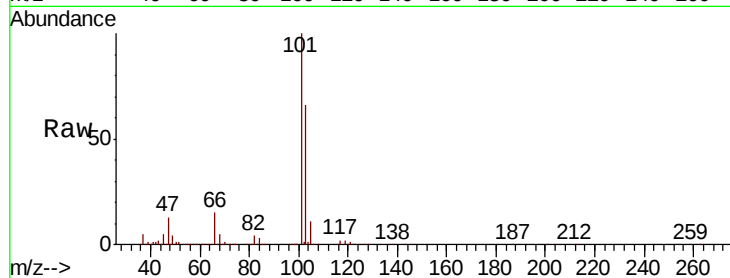
VSTDCCC010

Tot Ion:101 Resp: 2691980

Ion Ratio Lower Upper

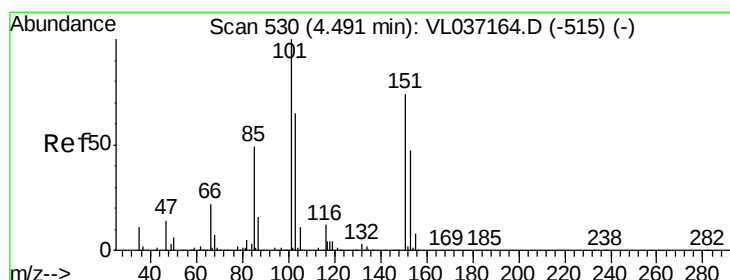
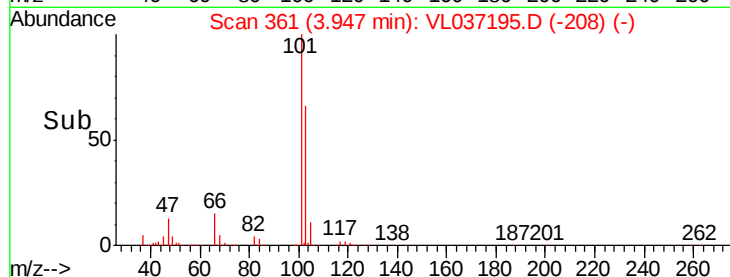
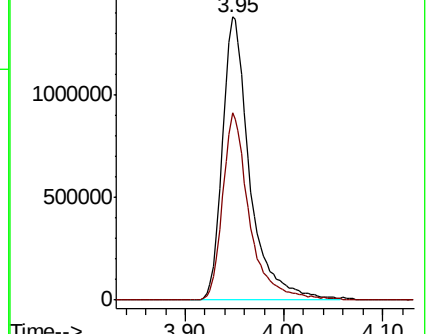
101 100

103 66.1 52.2 78.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#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

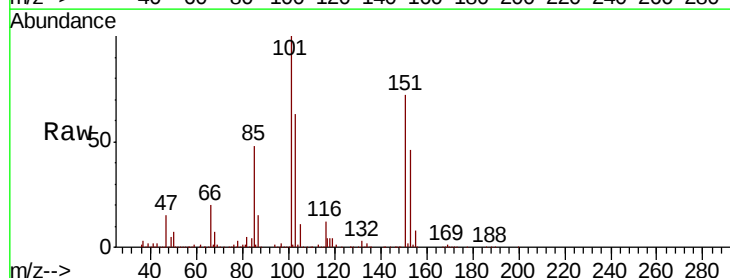
Acq: 17 Jun 2021 10:17

Tgt Ion:101 Resp: 1877720

Ion Ratio Lower Upper

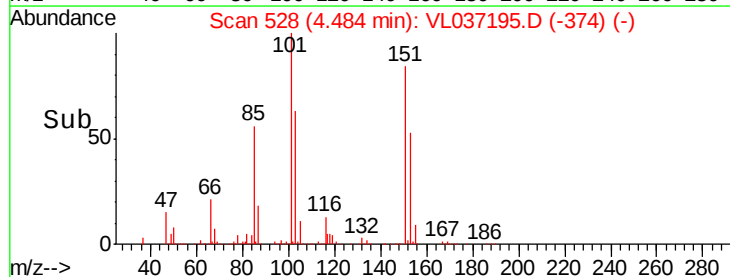
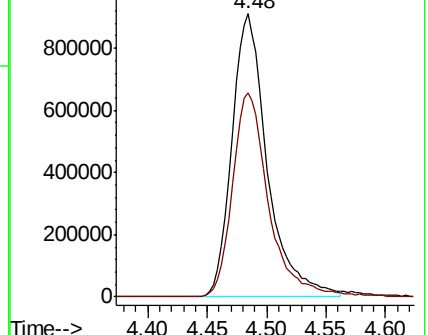
101 100

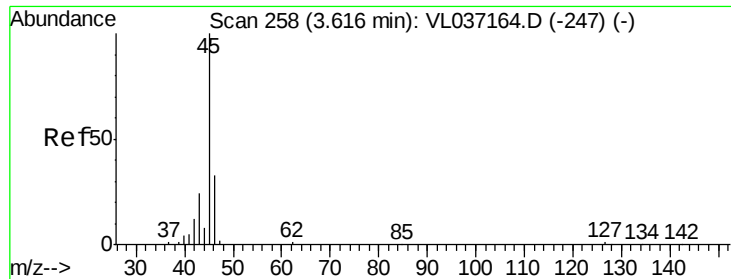
151 74.2 59.1 88.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#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 :

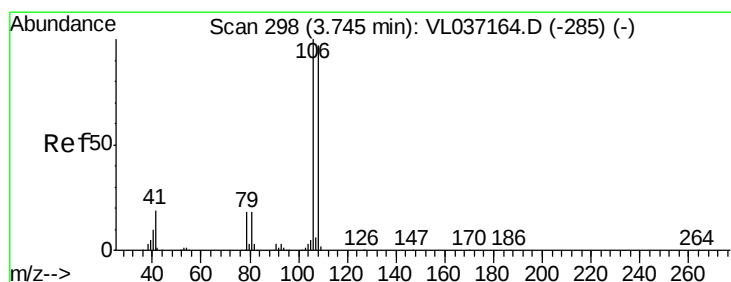
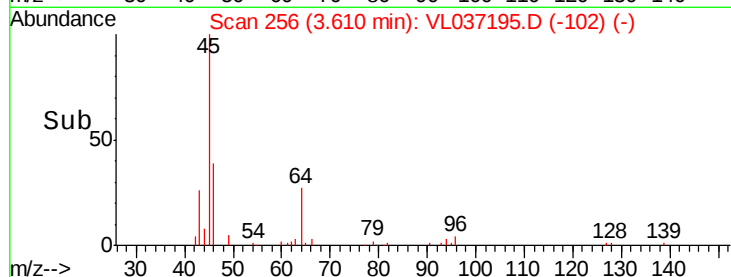
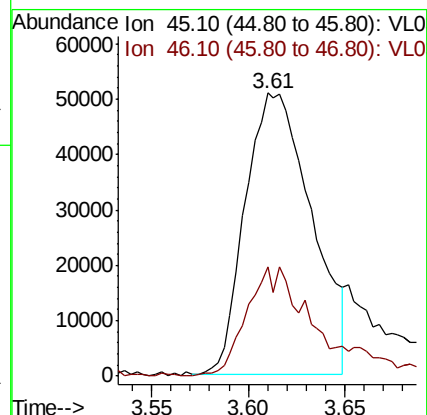
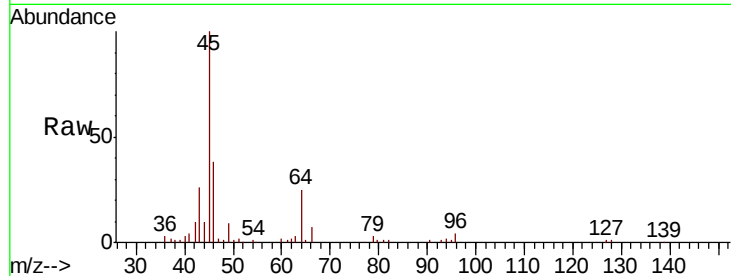
VSTDCCC010

Tot Ion: 45 Resp: 121467

Ion Ratio Lower Upper

45 100

46 46.3 34.2 137.0



#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

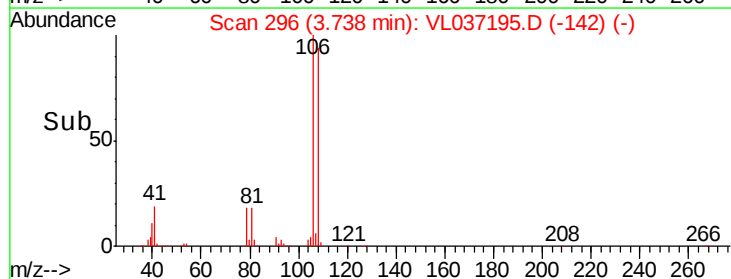
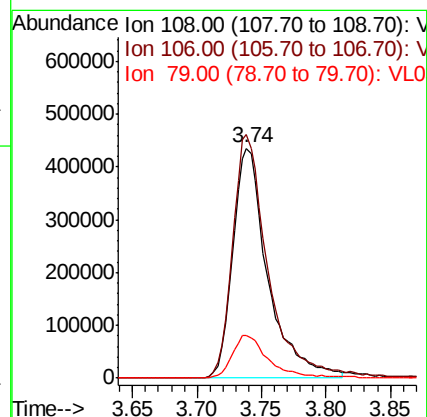
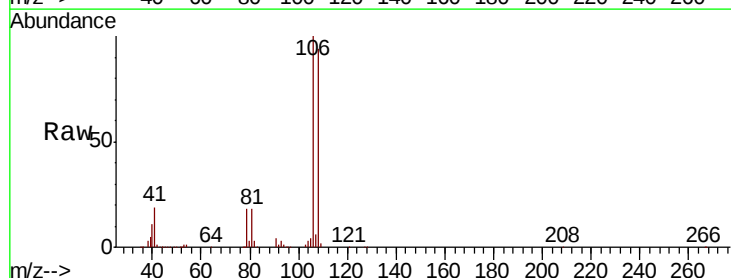
Tgt Ion: 108 Resp: 822728

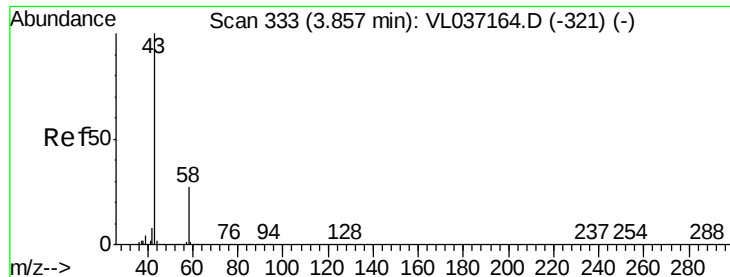
Ion Ratio Lower Upper

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 :

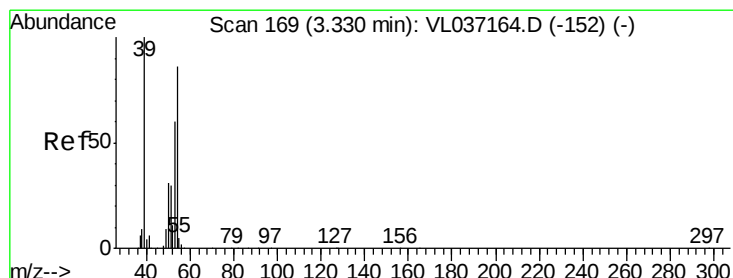
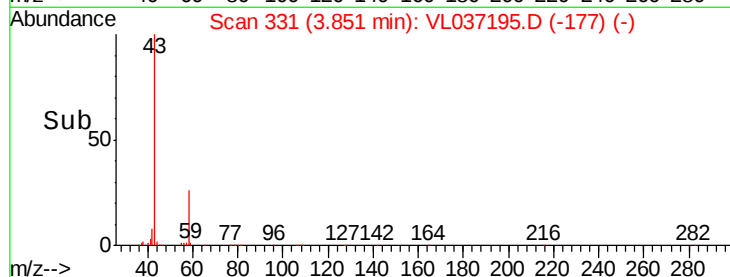
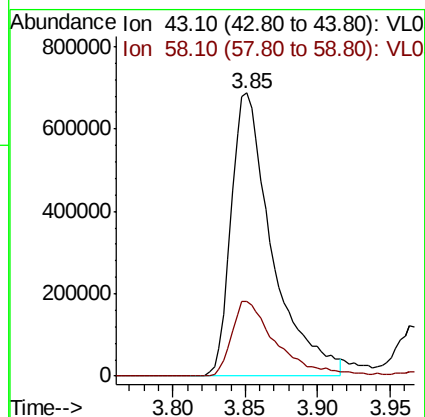
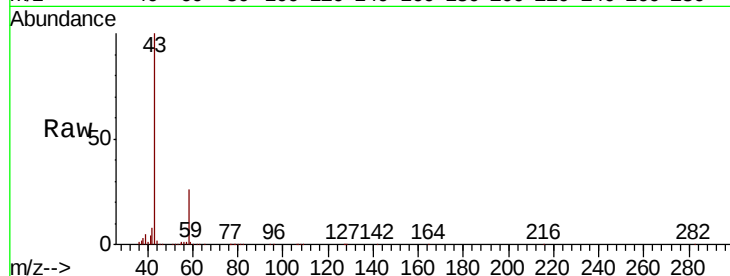
VSTDCCC010

Tot Ion: 43 Resp: 1349485

Ion Ratio Lower Upper

43 100

58 28.8 23.7 35.5



#16

1,3-Butadiene

Concen: 9.940 ppbv

RT: 3.32 min Scan# 167

Delta R.T. -0.01 min

Lab File: VL037195.D

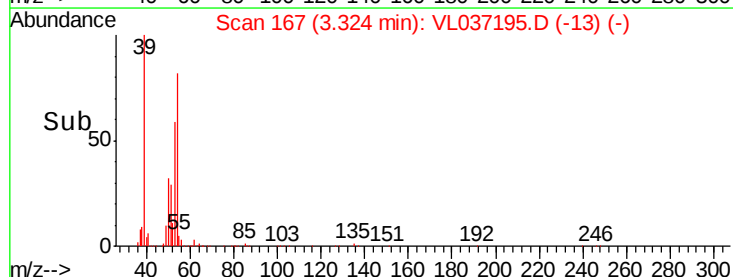
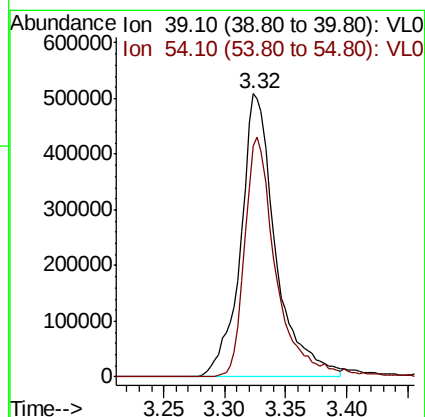
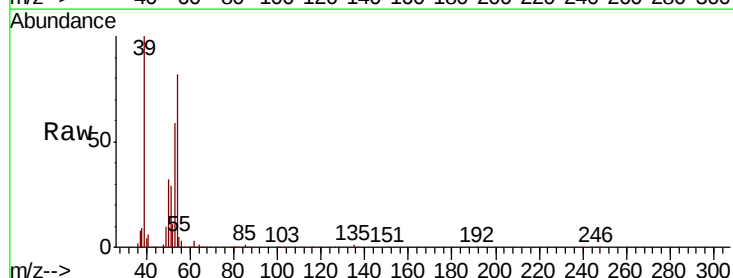
Acq: 17 Jun 2021 10:17

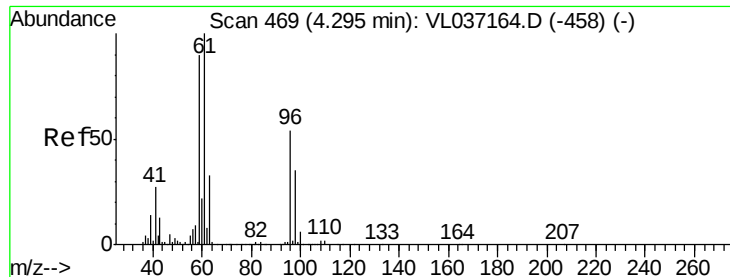
Tgt Ion: 39 Resp: 1004319

Ion Ratio Lower Upper

39 100

54 77.1 61.2 91.8



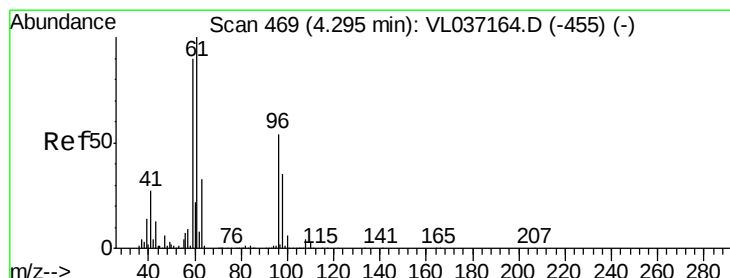
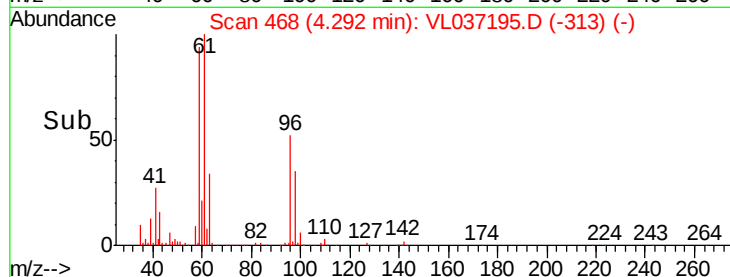
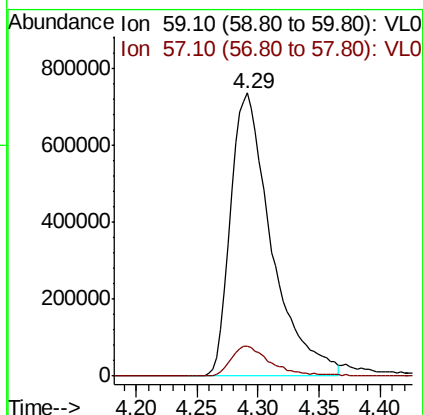
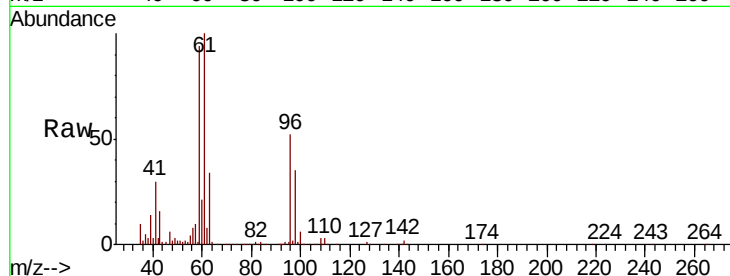


#17

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

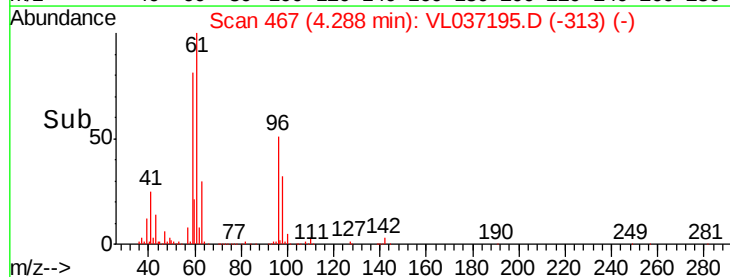
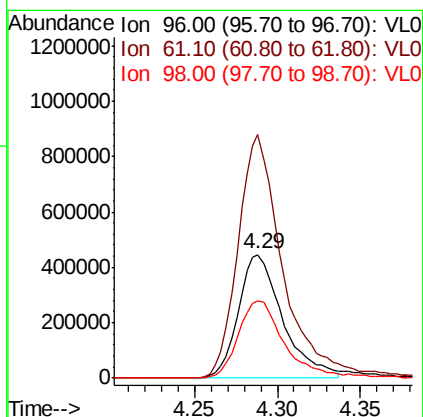
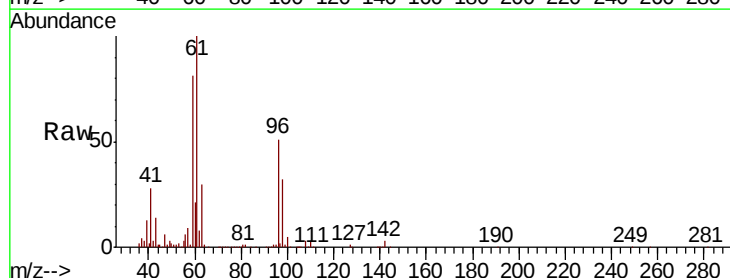
Tot Ion: 59 Resp: 1720297
 Ion Ratio Lower Upper
 59 100
 57 10.7 8.8 13.2

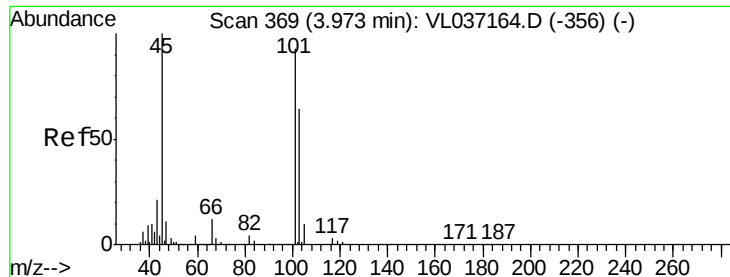


#18

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 :

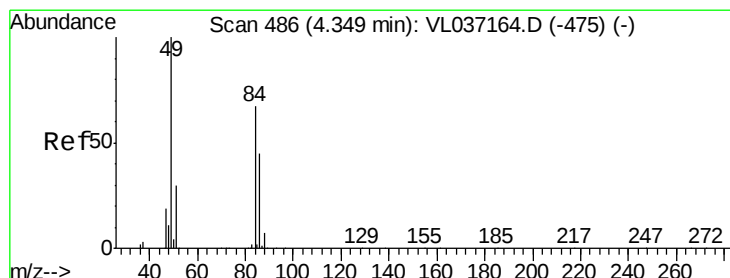
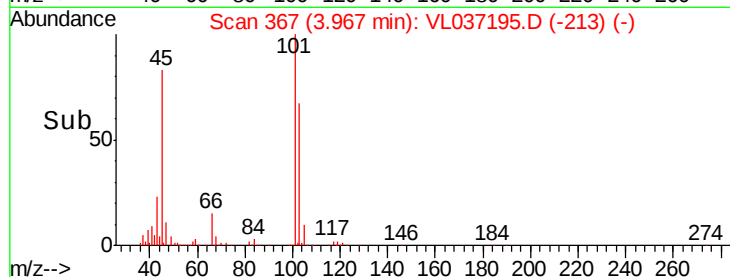
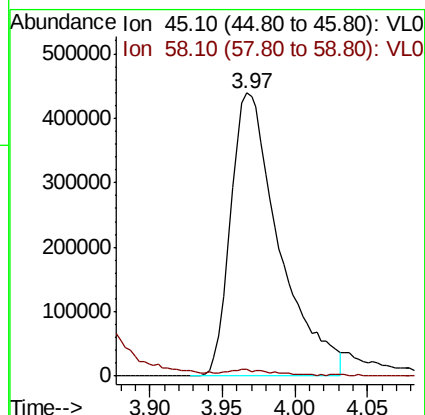
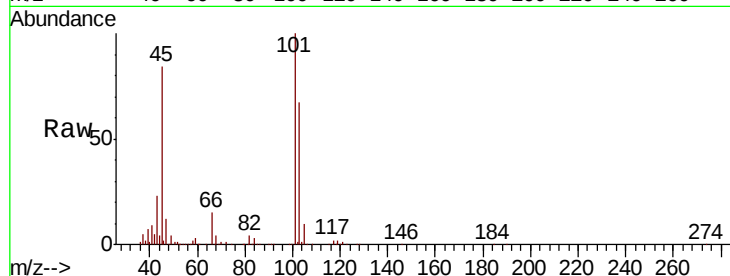
VSTDCCC010

Tot Ion: 45 Resp: 1016644

Ion Ratio Lower Upper

45 100

58 2.3 2.4 3.6#



#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

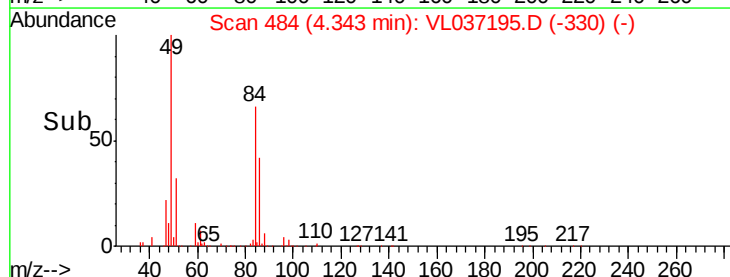
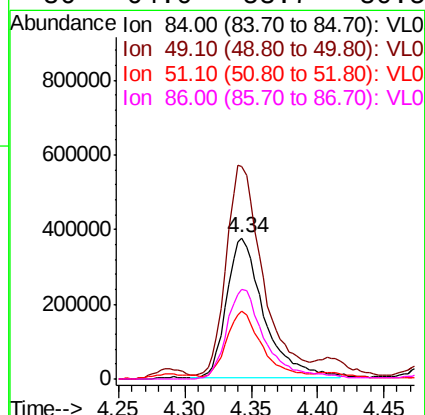
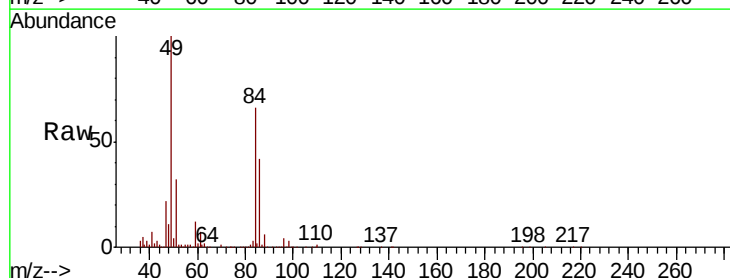
Ion Ratio Lower Upper

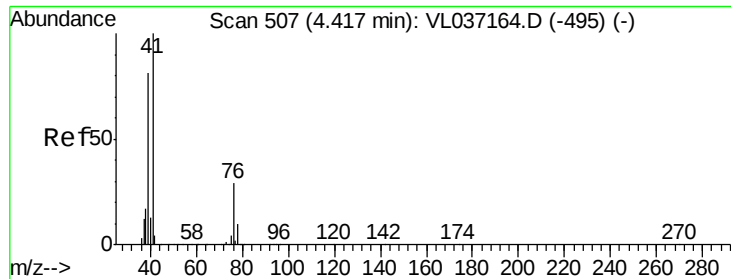
84 100

49 149.0 119.7 179.5

51 45.8 36.1 54.1

86 64.0 53.7 80.5

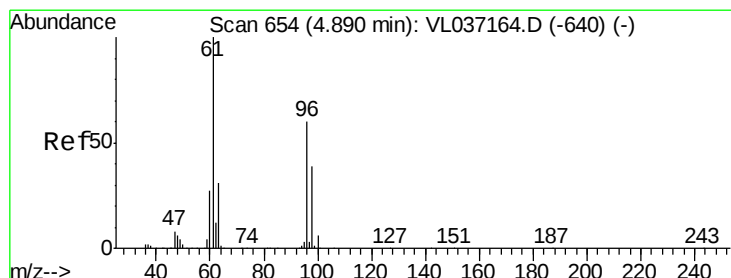
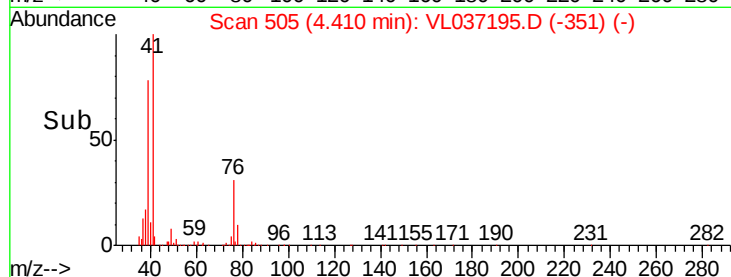
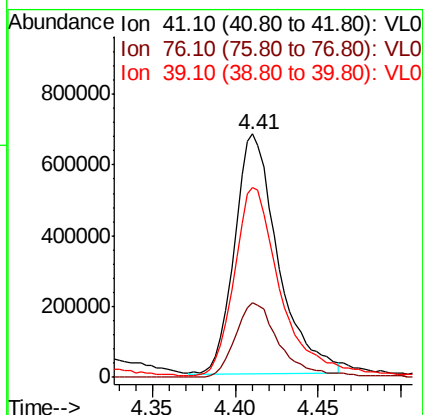
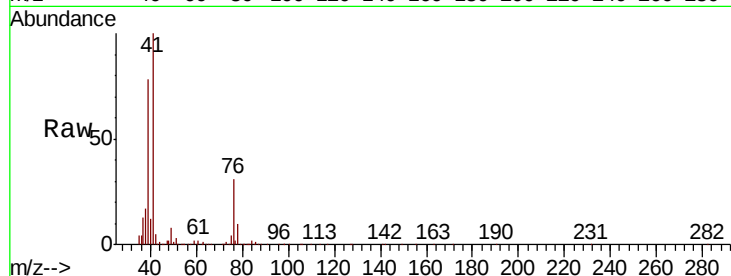




#21
Allvl Chloride
Concen: 9.680 ppbv
RT: 4.41 min Scan# 505
Delta R.T. -0.01 min
Lab File: VL037195.D
Acq: 17 Jun 2021 10:17

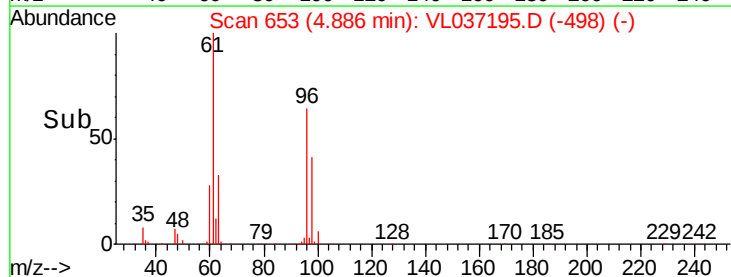
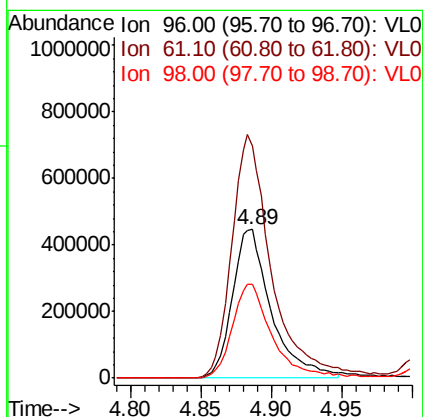
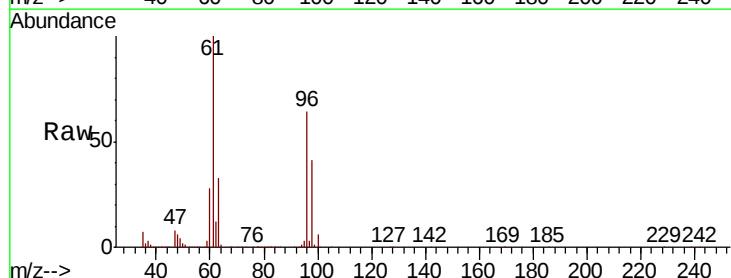
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

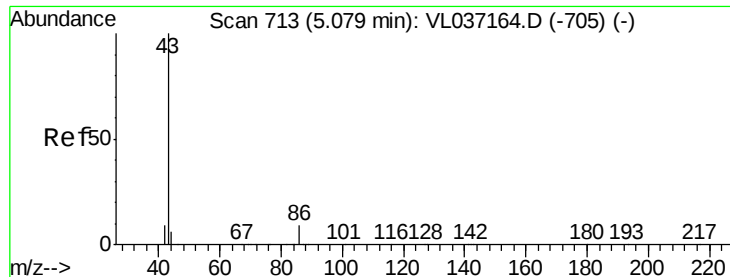
Tot Ion: 41 Resp: 1247083
Ion Ratio Lower Upper
41 100
76 31.8 24.6 37.0
39 83.7 65.4 98.0



#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



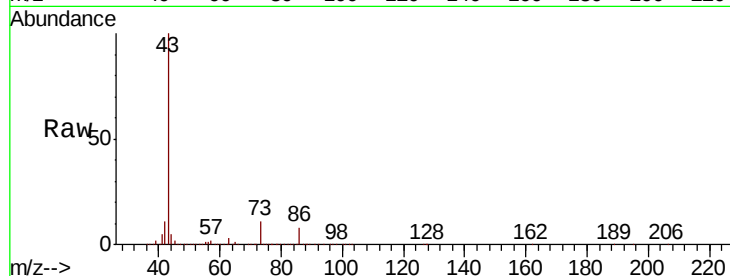


#23
 Vinyl Acetate
 Concen: 10.316 ppbv
 RT: 5.07 min Scan# 711
 Delta R.T. -0.01 min
 Lab File: VL037195.D
 Acq: 17 Jun 2021 10:17

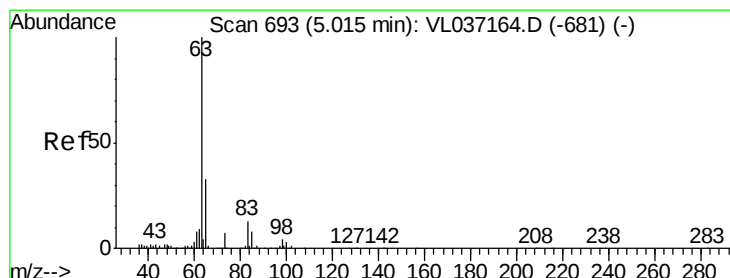
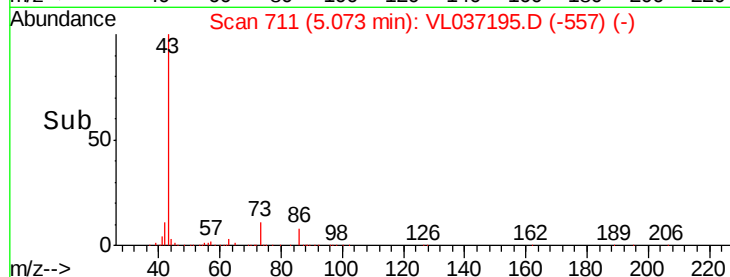
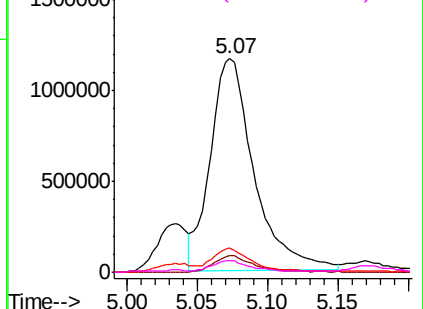
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

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



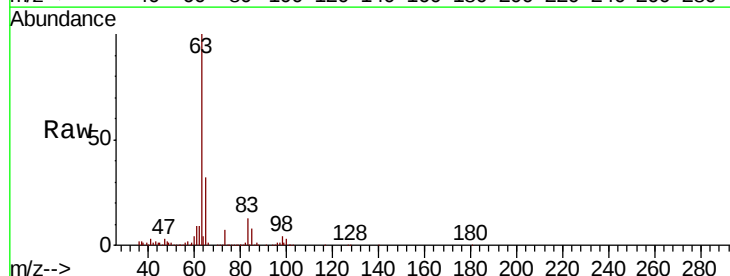
Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 86.10 (85.80 to 86.80): VL0
 Ion 42.10 (41.80 to 42.80): VL0
 Ion 44.10 (43.80 to 44.80): VL0



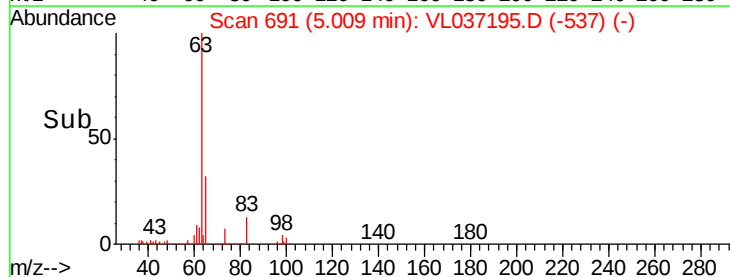
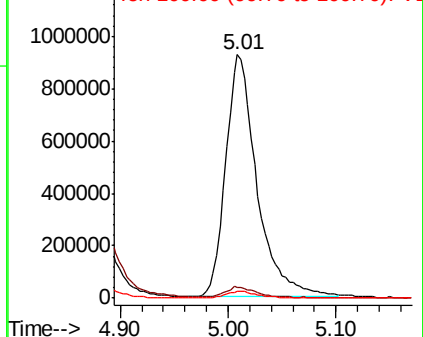
#24
 1,1-Dichloroethane
 Concen: 9.485 ppbv
 RT: 5.01 min Scan# 691
 Delta R.T. -0.01 min
 Lab File: VL037195.D
 Acq: 17 Jun 2021 10:17

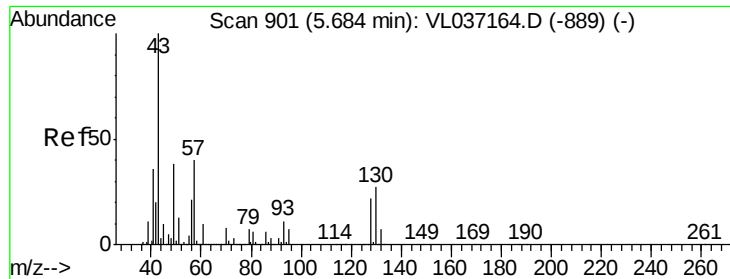
Tgt Ion: 63 Resp: 1871523

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



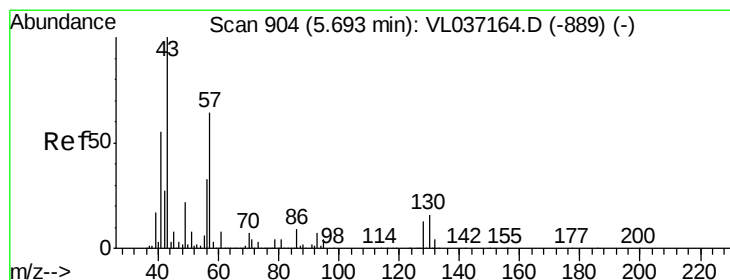
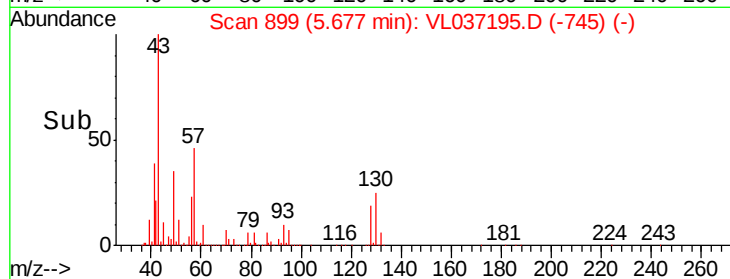
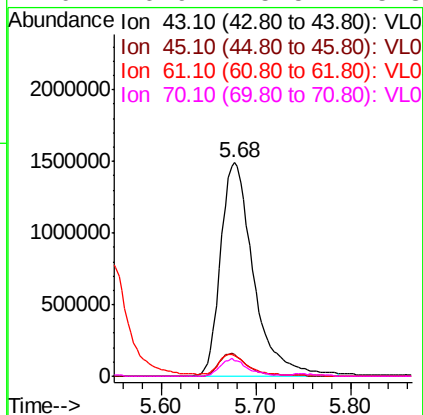
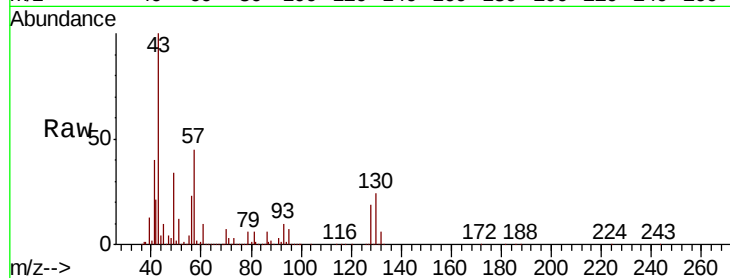


#25
Ethyl Acetate
Concen: 9.723 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.01 min
Lab File: VL037195.D
Acq: 17 Jun 2021 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 3597569

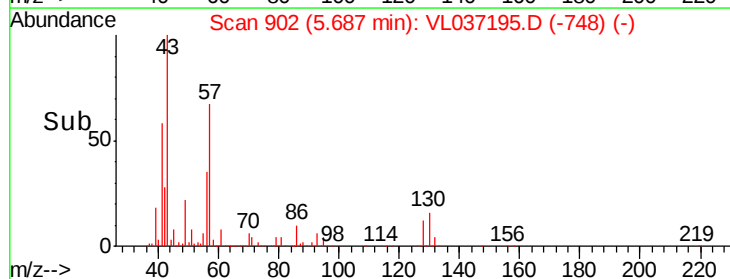
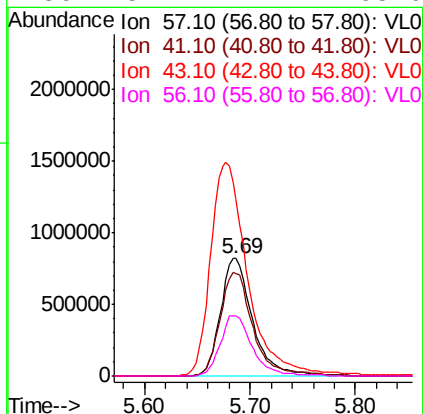
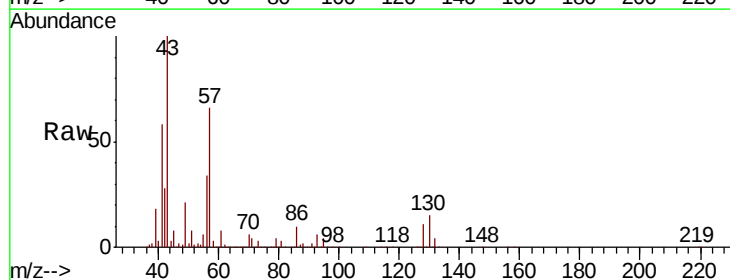
Ion	Ratio	Lower	Upper
43	100		
45	9.8	8.0	12.0
61	10.2	8.1	12.1
70	6.9	5.5	8.3

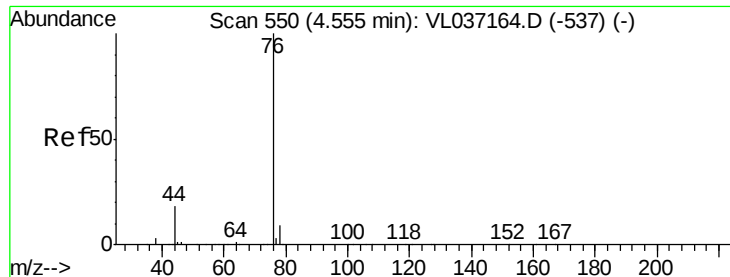


#26
Hexane
Concen: 9.226 ppbv
RT: 5.69 min Scan# 902
Delta R.T. -0.01 min
Lab File: VL037195.D
Acq: 17 Jun 2021 10:17

Tgt Ion: 57 Resp: 1725345

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

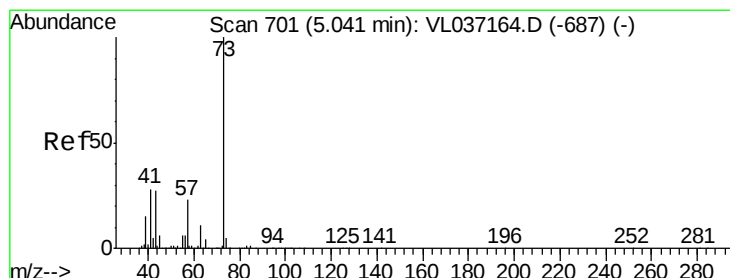
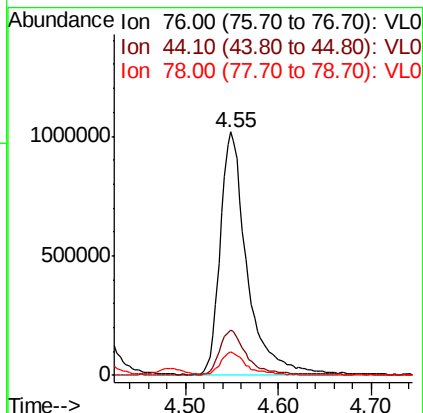
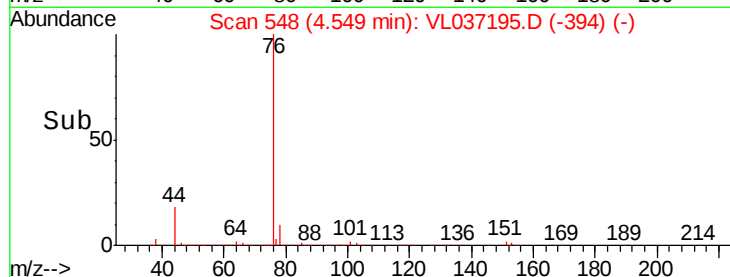
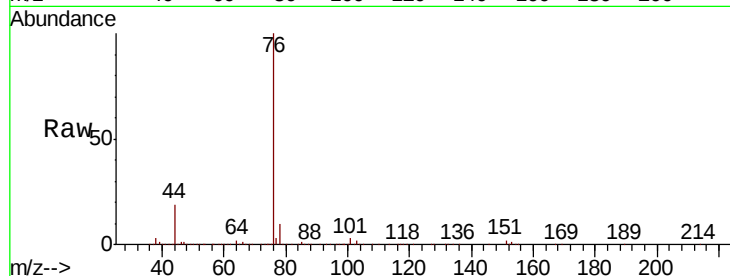
Tot Ion: 76 Resp: 2026923

Ion	Ratio	Lower	Upper
76	100		
44	19.5	15.4	23.2
78	9.9	8.0	12.0

76 100

44 19.5 15.4 23.2

78 9.9 8.0 12.0



#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

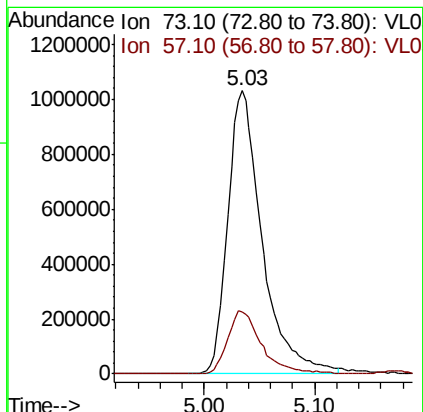
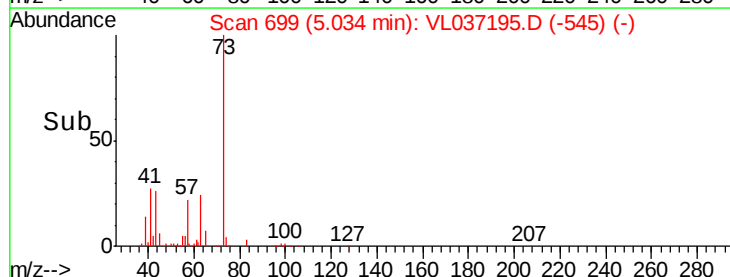
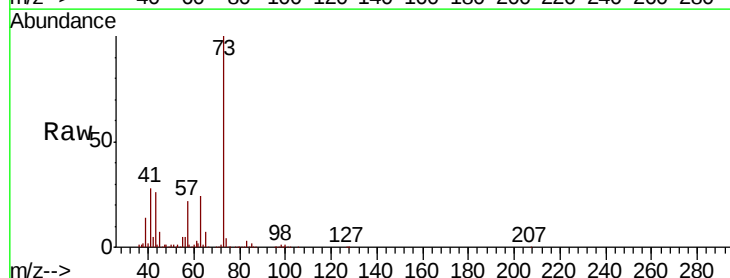
Acq: 17 Jun 2021 10:17

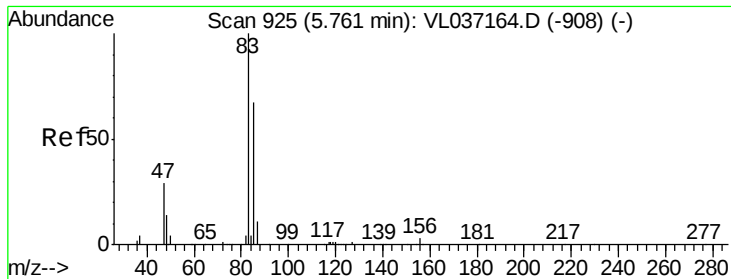
Tgt Ion: 73 Resp: 2224642

Ion	Ratio	Lower	Upper
73	100		
57	22.3	18.0	27.0

73 100

57 22.3 18.0 27.0

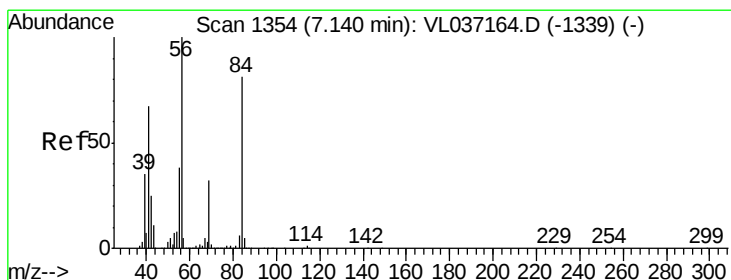
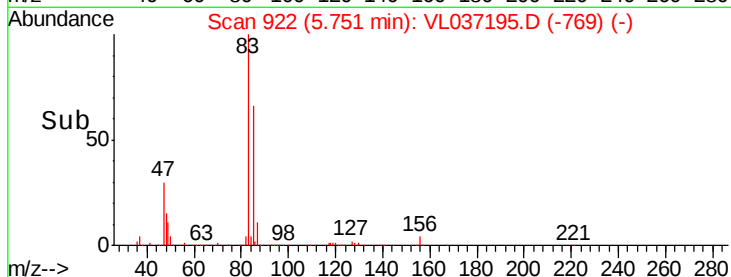
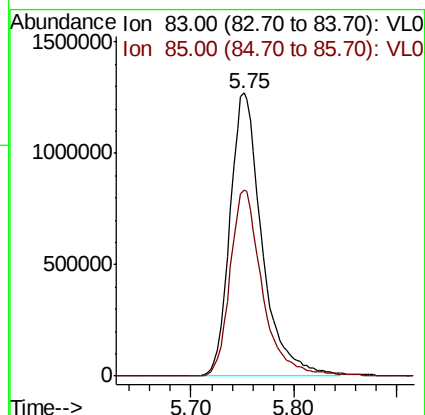
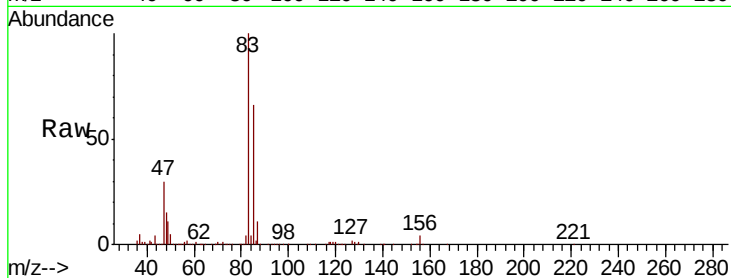




#29
Chloroform
Concen: 9.519 ppbv
RT: 5.75 min Scan# 922
Delta R.T. -0.01 min
Lab File: VL037195.D
Acq: 17 Jun 2021 10:17

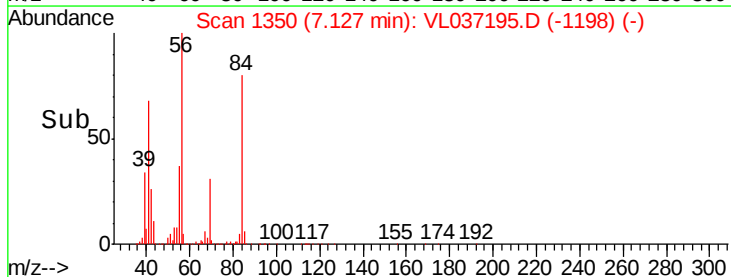
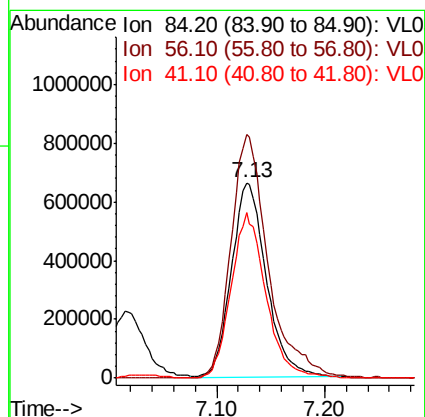
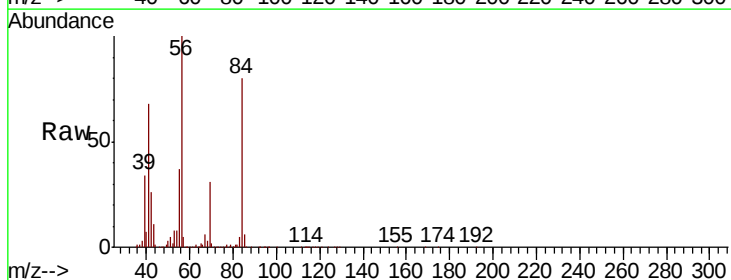
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

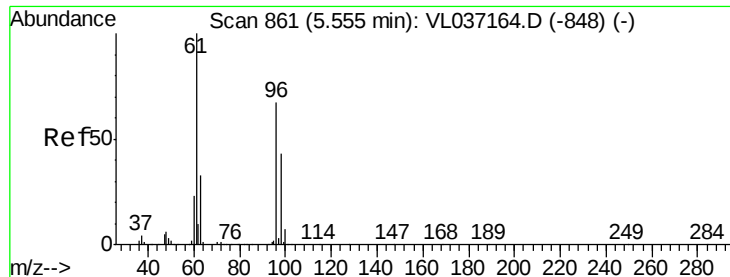
Tot Ion: 83 Resp: 2749742
Ion Ratio Lower Upper
83 100
85 65.8 53.6 80.4



#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



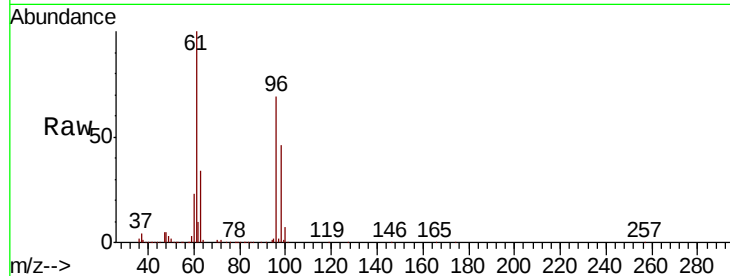


#31

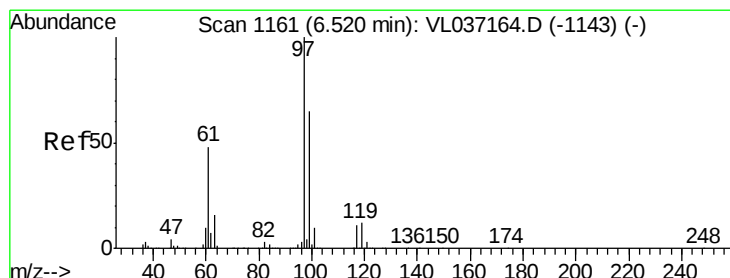
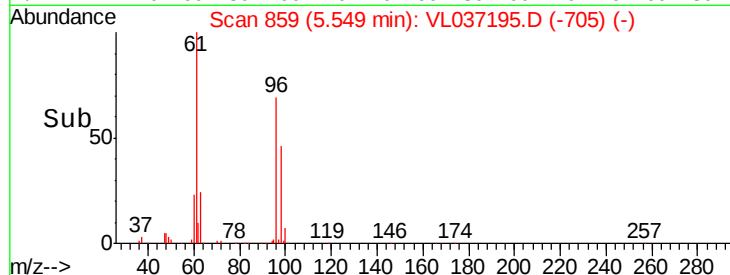
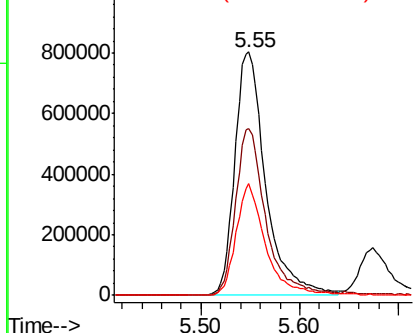
cis-1,2-Dichloroethene
Concen: 10.112 ppbv
RT: 5.55 min Scan# 859
Delta R.T. -0.01 min
Lab File: VL037195.D
Acq: 17 Jun 2021 10:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 61 Resp: 1737614
Ion Ratio Lower Upper
61 100
96 68.6 53.6 80.4
98 45.7 34.7 52.1



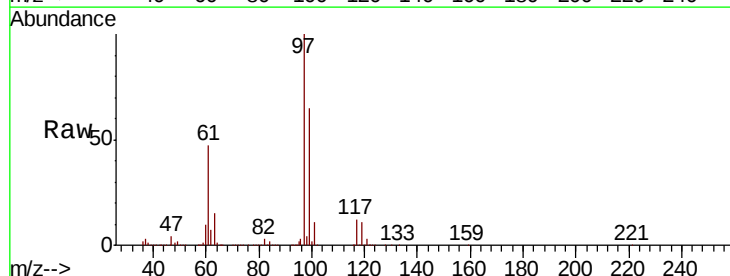
Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0



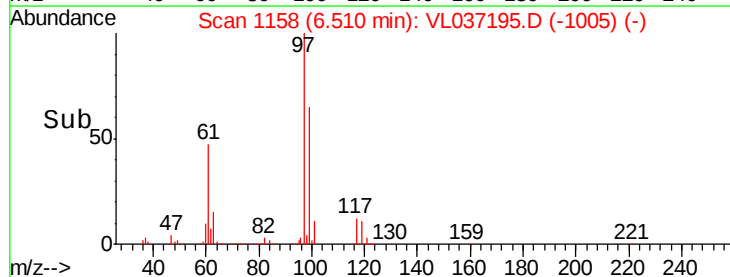
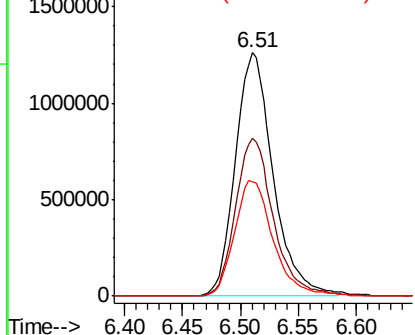
#32

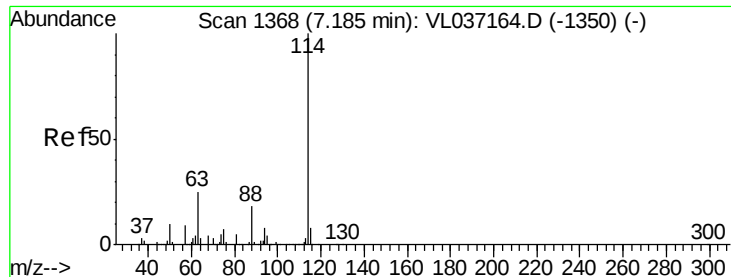
1,1,1-Trichloroethane
Concen: 9.232 ppbv
RT: 6.51 min Scan# 1158
Delta R.T. -0.01 min
Lab File: VL037195.D
Acq: 17 Jun 2021 10:17

Tgt Ion: 97 Resp: 2853799
Ion Ratio Lower Upper
97 100
99 65.4 52.2 78.4
61 48.5 38.8 58.2



Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0

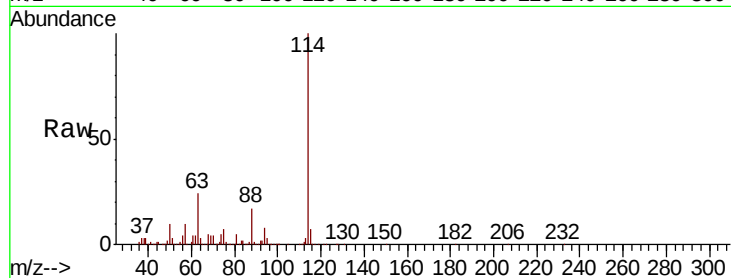




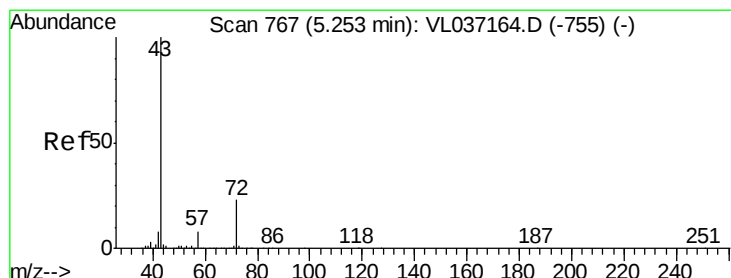
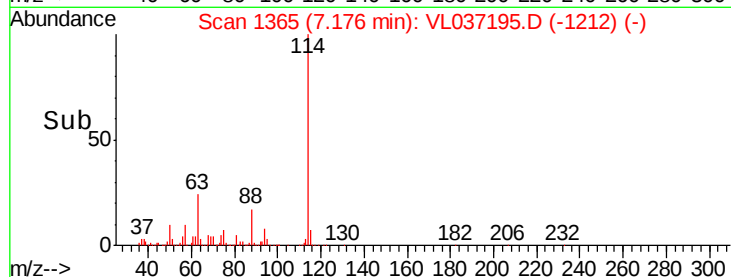
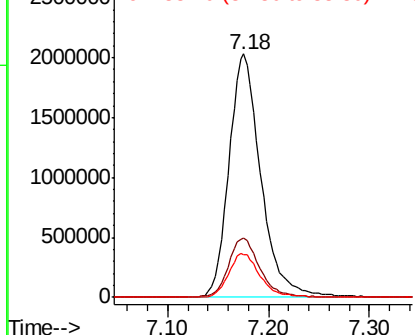
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.01 min
 Lab File: VL037195.D
 Acq: 17 Jun 2021 10:17

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

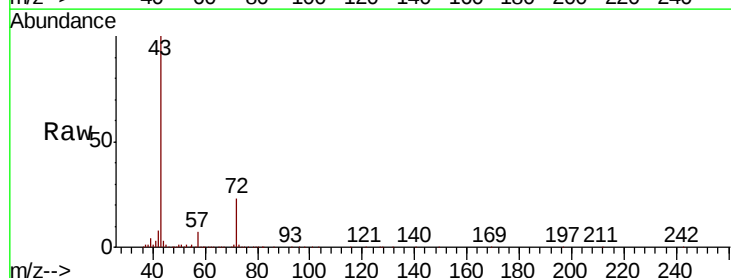


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

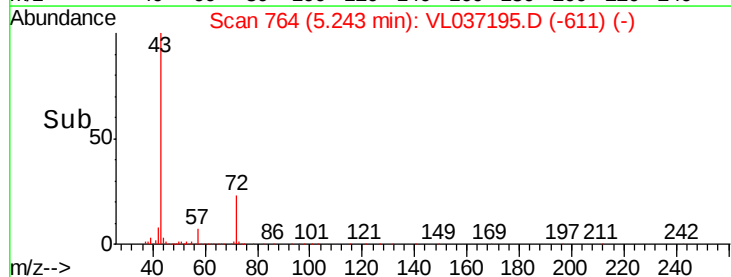
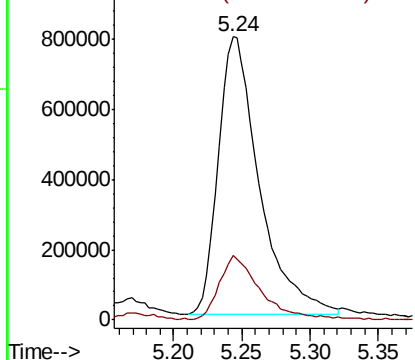


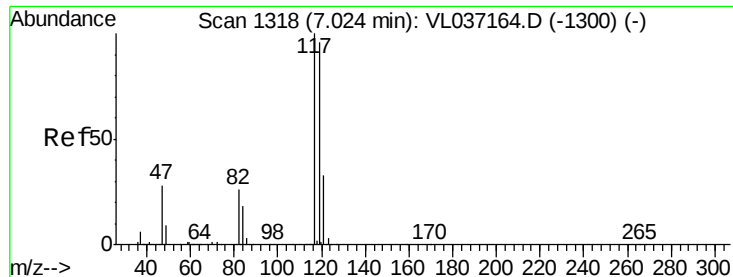
#34
 2-Butanone
 Concen: 9.613 ppbv
 RT: 5.24 min Scan# 764
 Delta R.T. -0.01 min
 Lab File: VL037195.D
 Acq: 17 Jun 2021 10:17

Tgt Ion: 43 Resp: 1668216
 Ion Ratio Lower Upper
 43 100
 72 23.7 18.9 28.3



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0

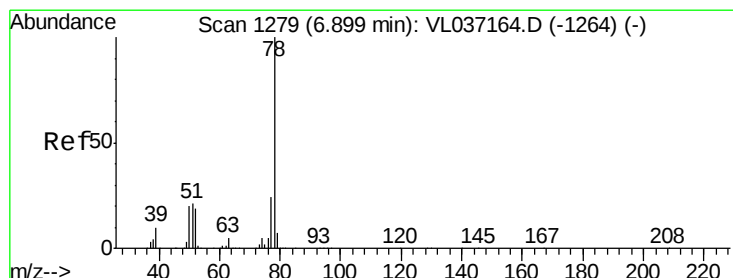
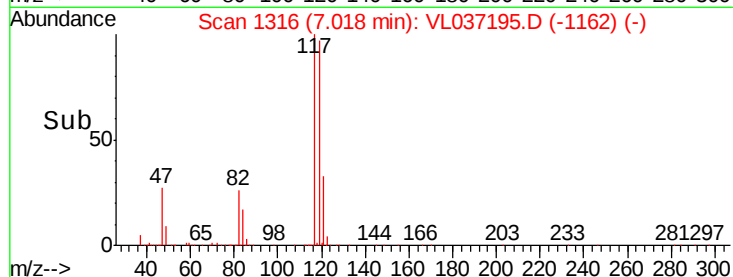
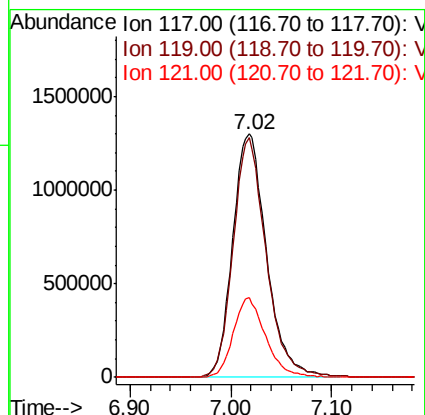
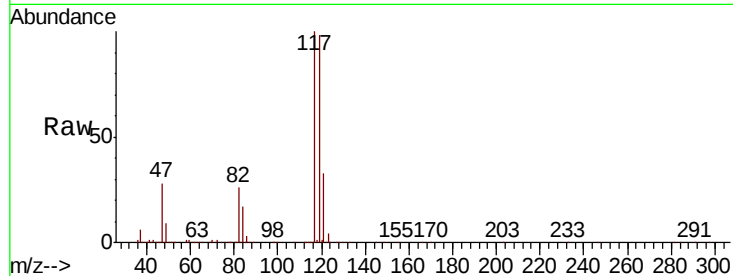




#35
Carbon Tetrachloride
Concen: 10.149 ppbv
RT: 7.02 min Scan# 1316
Delta R.T. -0.01 min
Lab File: VL037195.D
Acq: 17 Jun 2021 10:17

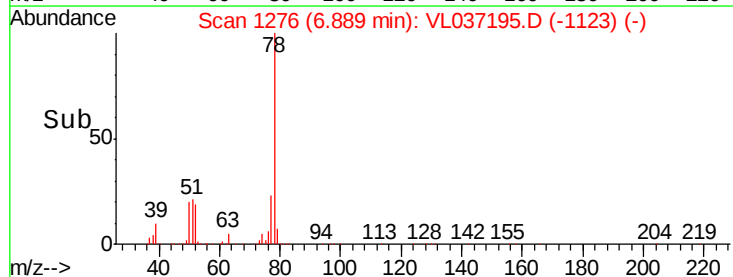
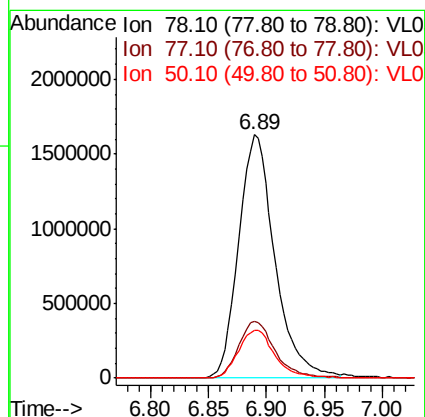
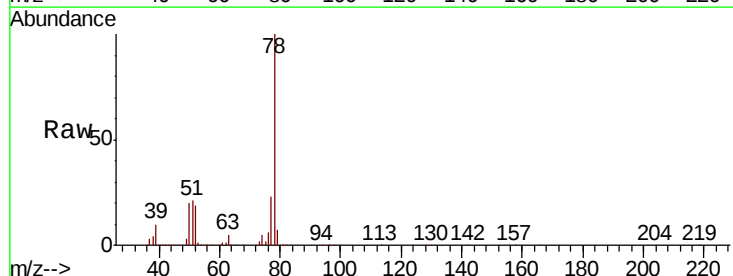
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

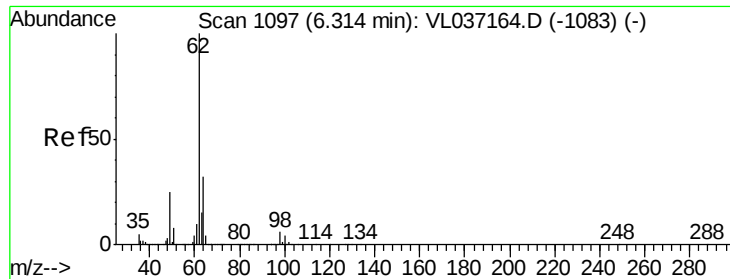
Tot Ion:117 Resp: 3037404
Ion Ratio Lower Upper
117 100
119 98.2 76.6 114.8
121 33.0 26.4 39.6



#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 :

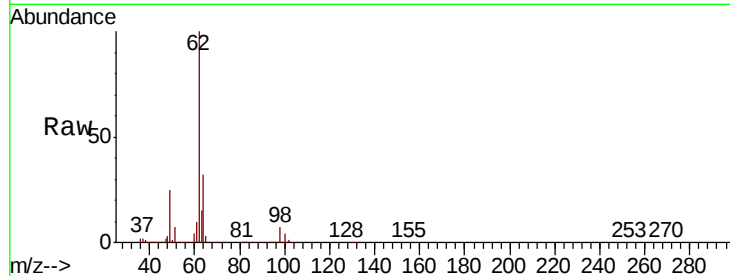
VSTDCCC010

Tot Ion: 62 Resp: 2075459

Ion Ratio Lower Upper

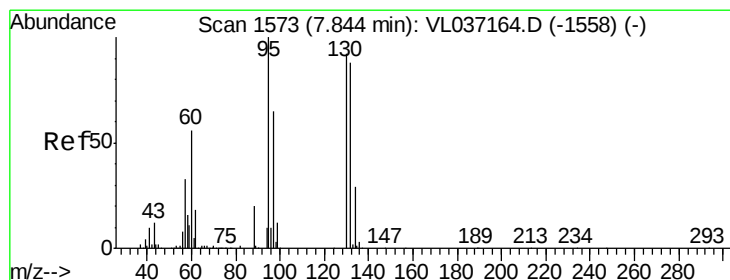
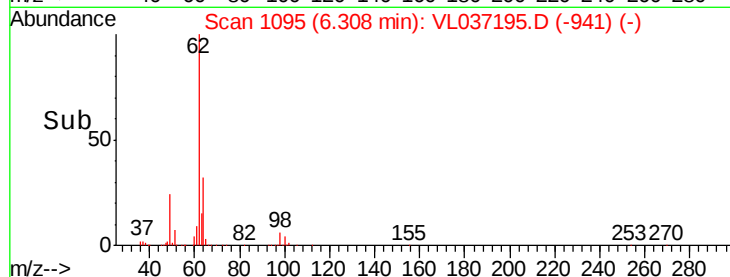
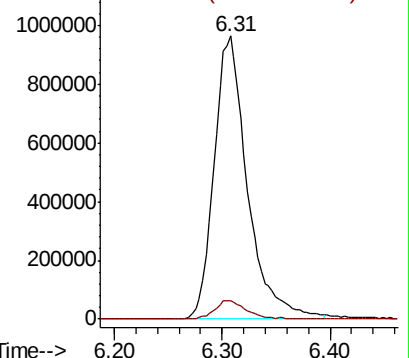
62 100

98 6.3 5.0 7.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#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

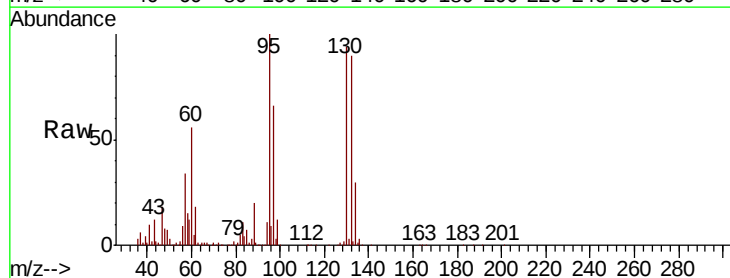
Ion Ratio Lower Upper

130 100

95 106.7 86.6 129.8

132 96.3 76.6 114.8

97 70.2 56.1 84.1

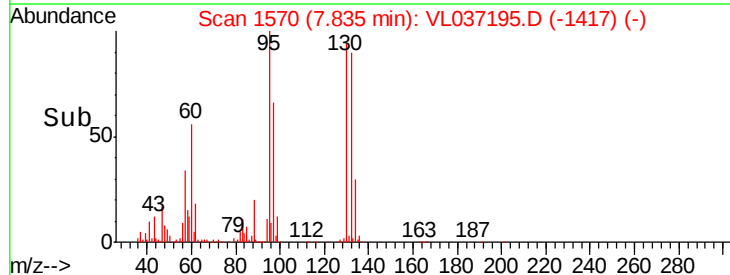
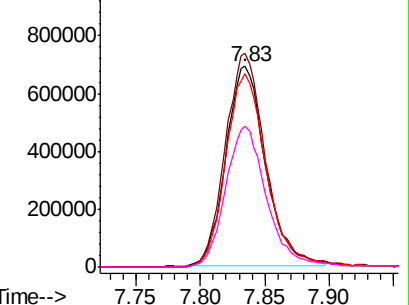


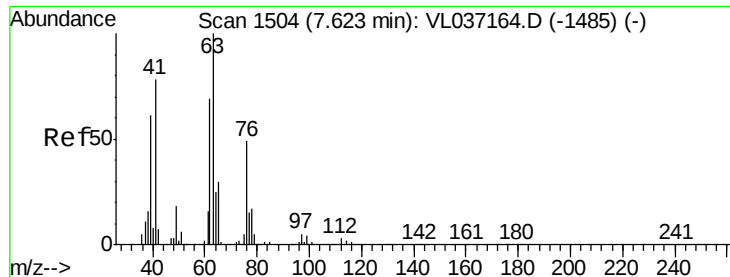
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0





#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

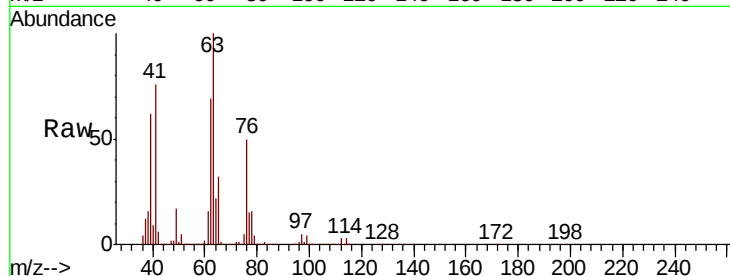
Tot Ion: 63 Resp: 1368348

Ion Ratio Lower Upper

63 100

41 75.6 62.0 93.0

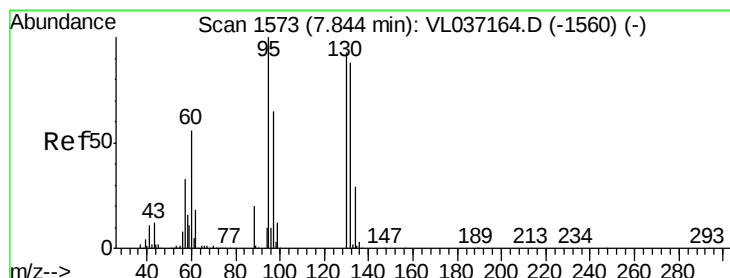
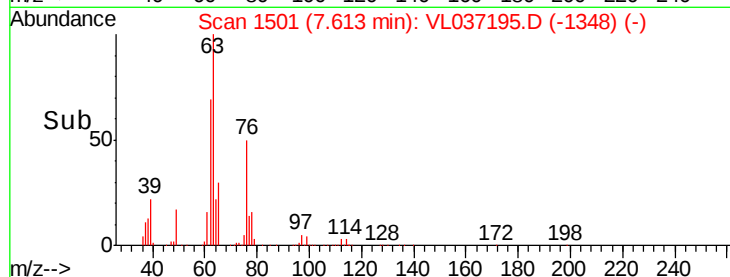
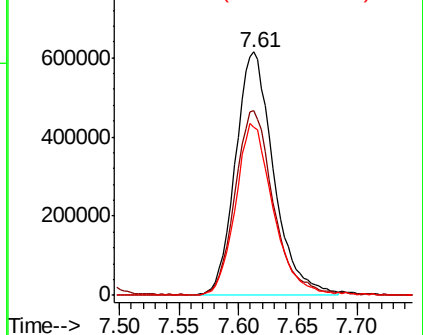
62 69.0 54.9 82.3



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: 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

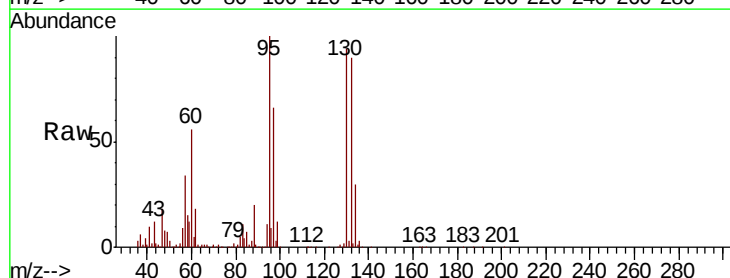
Ion Ratio Lower Upper

88 100

58 0.0 118.4 177.6#

43 0.0 284.0 426.0#

57 0.0 1231.8 1847.6#

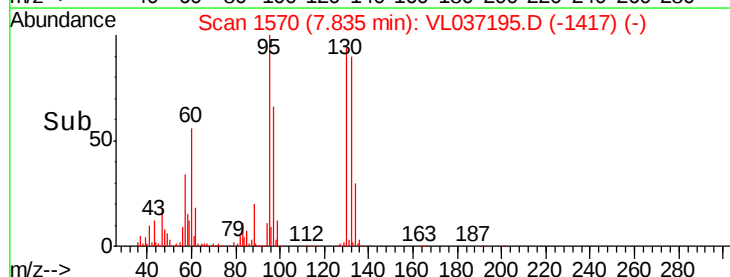
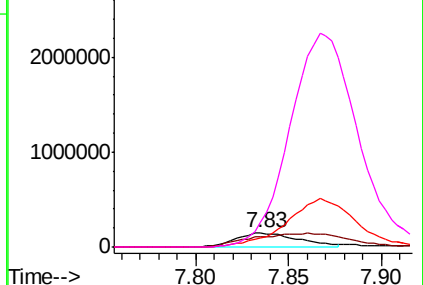


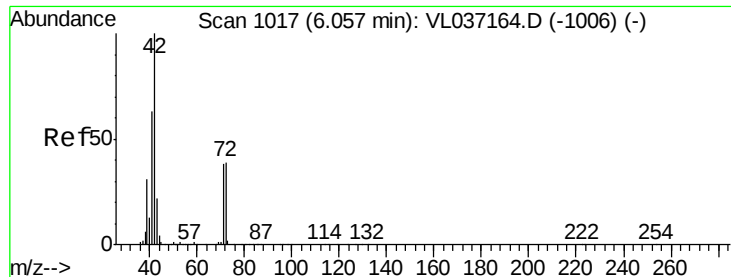
Abundance Ion 88.10 (87.80 to 88.80): VL0

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: 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

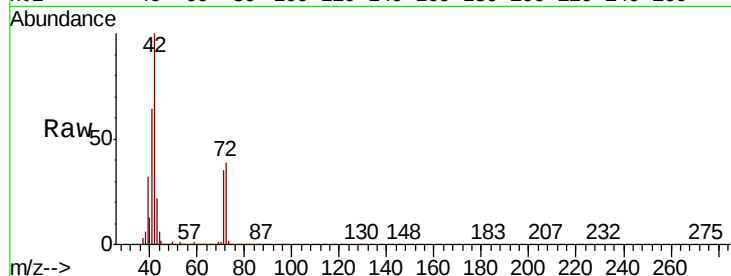
Tot Ion: 42 Resp: 832051

Ion Ratio Lower Upper

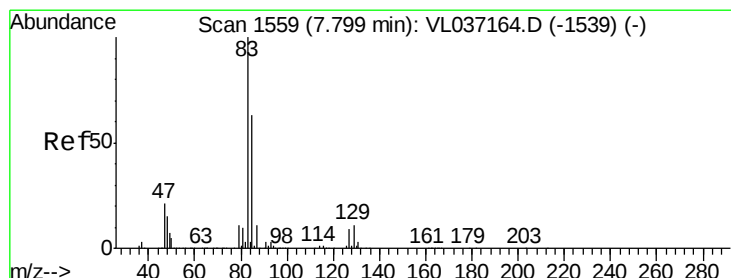
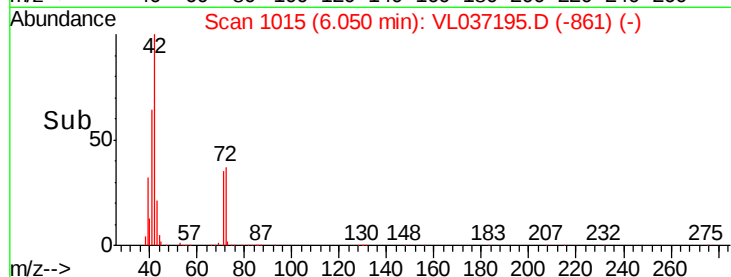
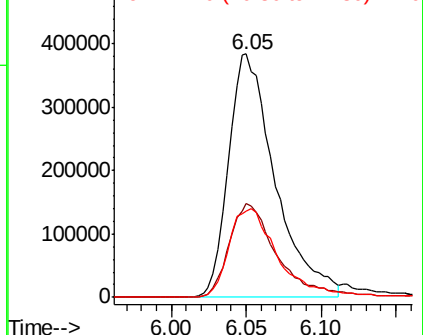
42 100

72 39.9 33.0 49.4

71 39.4 31.0 46.6



Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0



#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

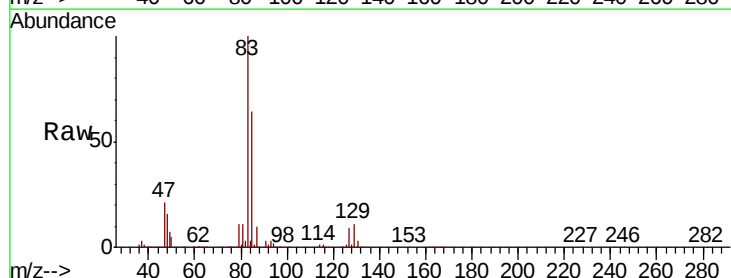
Tgt Ion: 83 Resp: 2926833

Ion Ratio Lower Upper

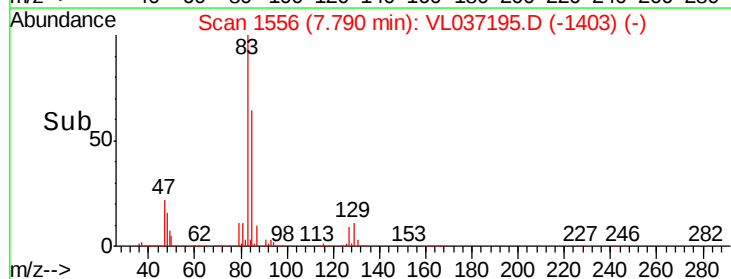
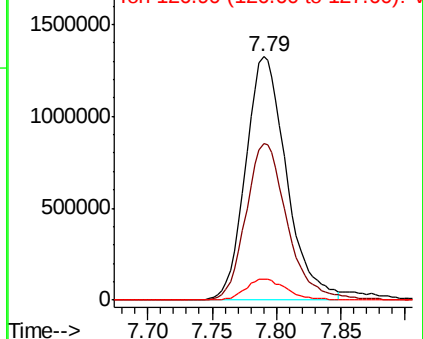
83 100

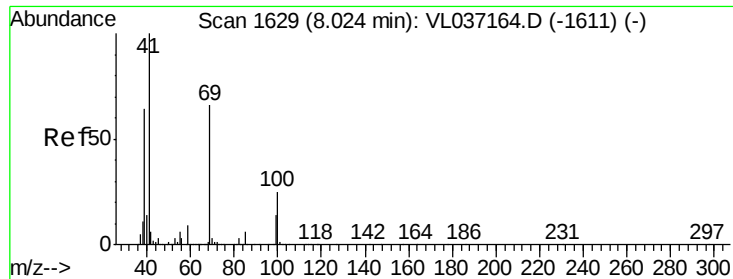
85 64.4 50.8 76.2

127 8.8 7.0 10.6



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): V

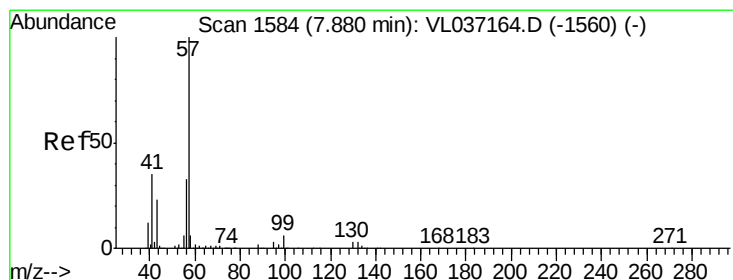
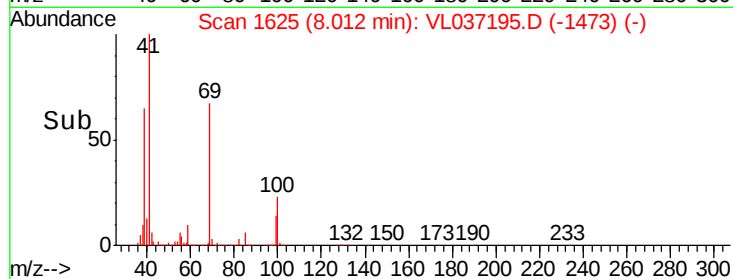
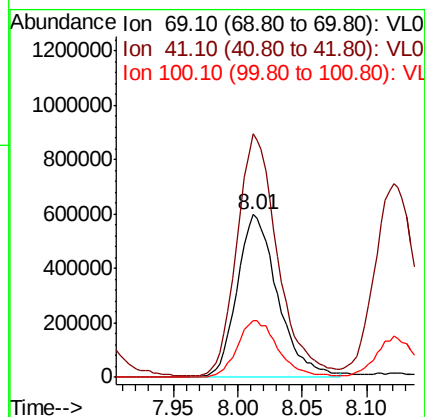
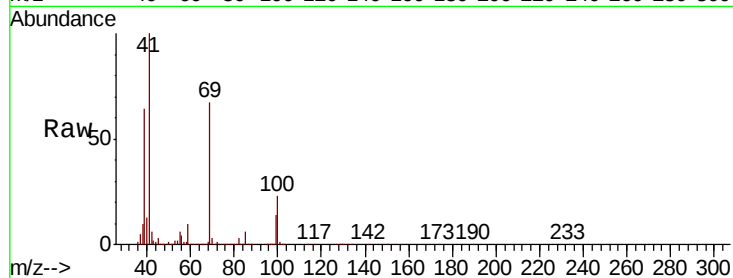




#43
Methvl Methacrilate
Concen: 10.536 ppbv
RT: 8.01 min Scan# 1625
Delta R.T. -0.01 min
Lab File: VL037195.D
Acq: 17 Jun 2021 10:17

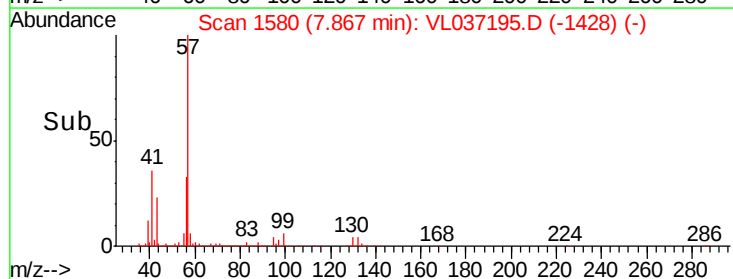
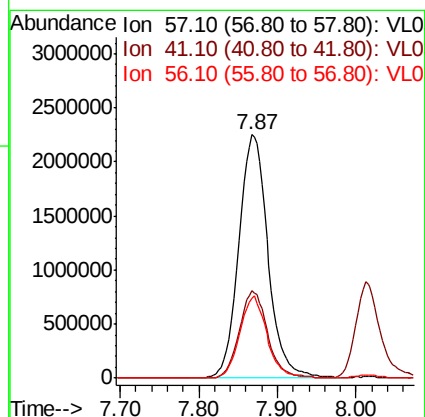
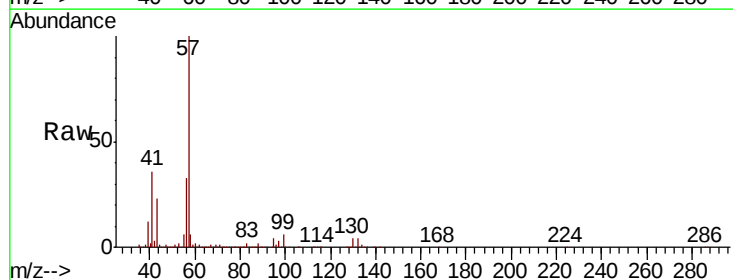
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

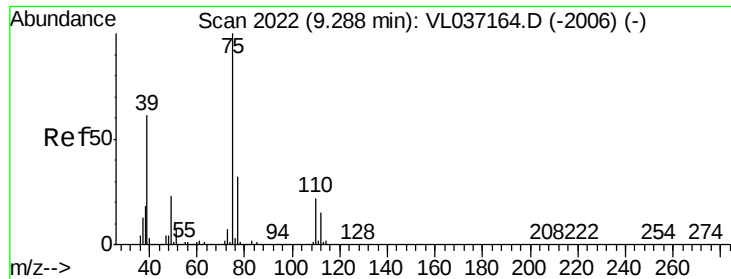
Tot Ion: 69 Resp: 1312925
Ion Ratio Lower Upper
69 100
41 150.8 119.4 179.0
100 35.0 28.6 43.0



#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 :

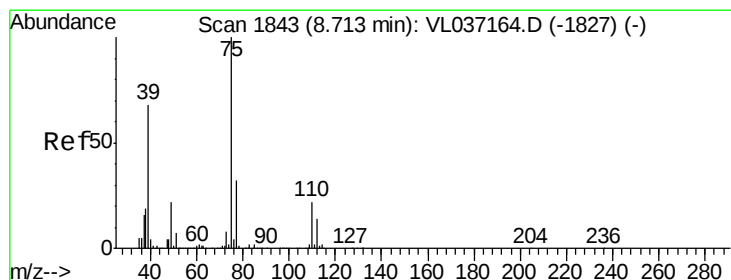
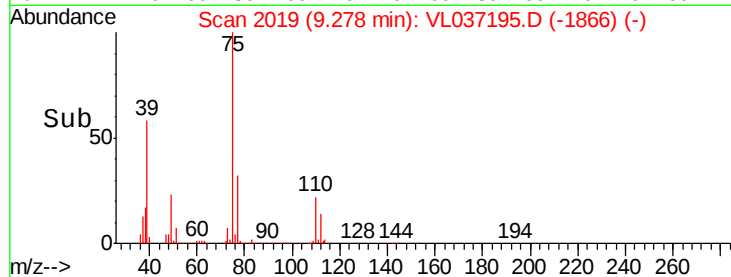
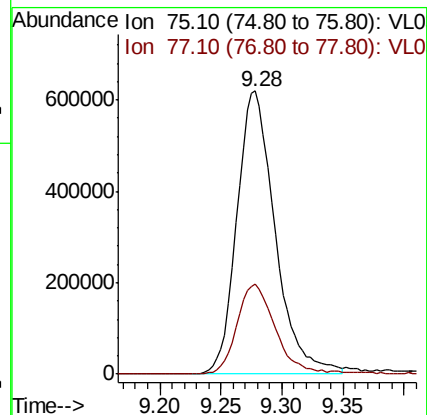
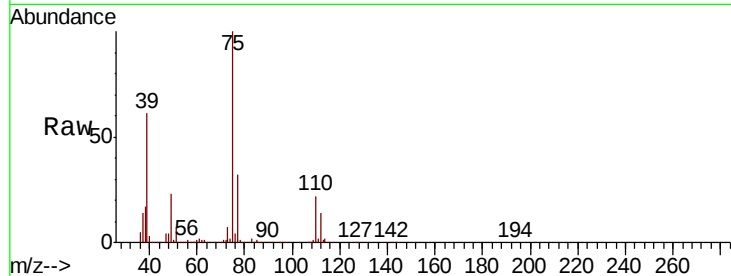
VSTDCCC010

Tot Ion: 75 Resp: 1338102

Ion Ratio Lower Upper

75 100

77 31.9 25.6 38.4



#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

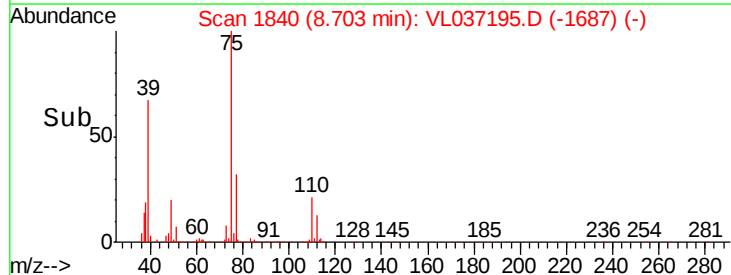
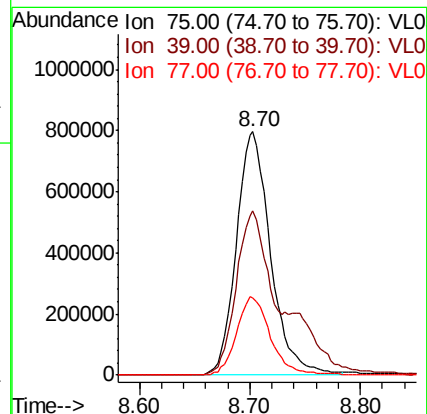
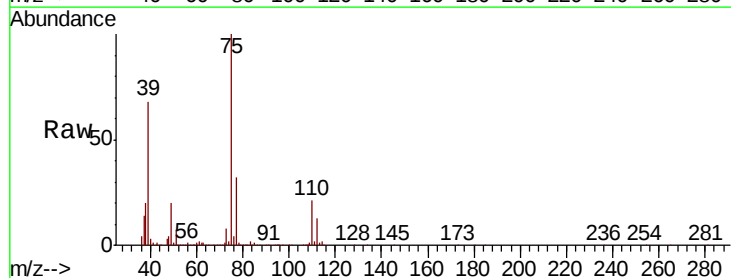
Tgt Ion: 75 Resp: 1712738

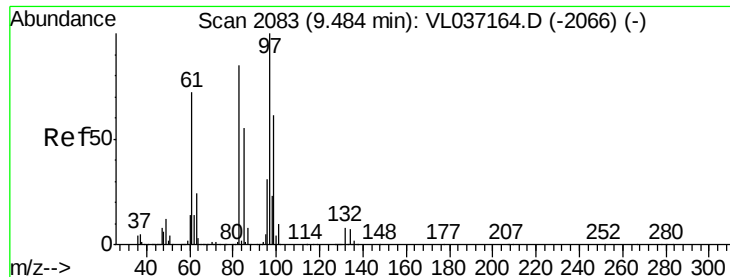
Ion Ratio Lower Upper

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: 97 Resp: 1499700

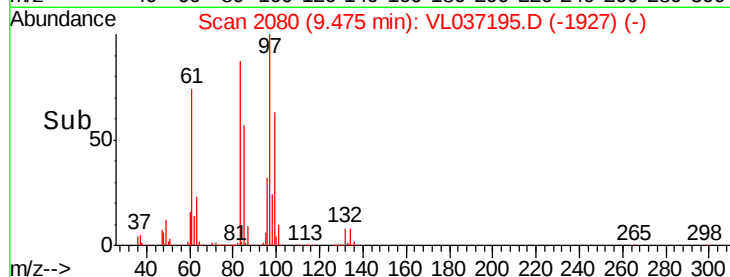
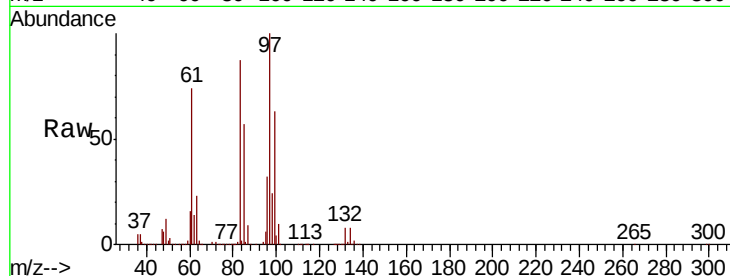
Ion Ratio Lower Upper

97 100

83 86.9 68.3 102.5

85 57.2 44.1 66.1

99 63.0 48.6 72.8

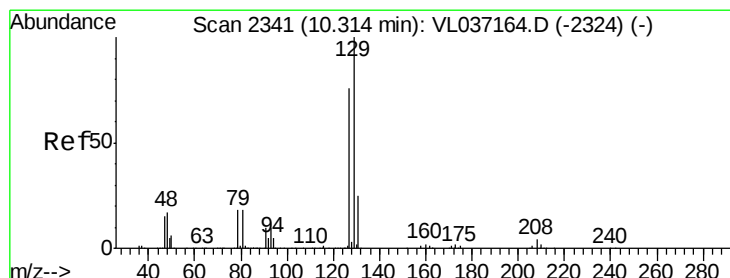
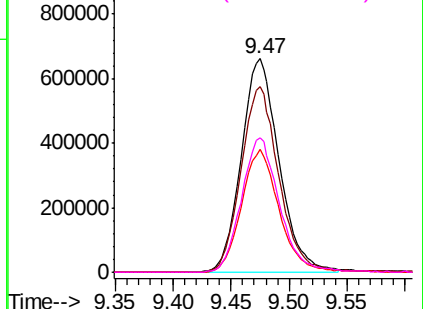


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 11.057 ppbv

RT: 10.30 min Scan# 2338

Delta R.T. -0.01 min

Lab File: VL037195.D

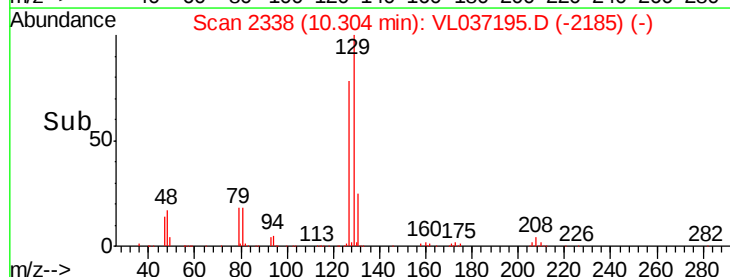
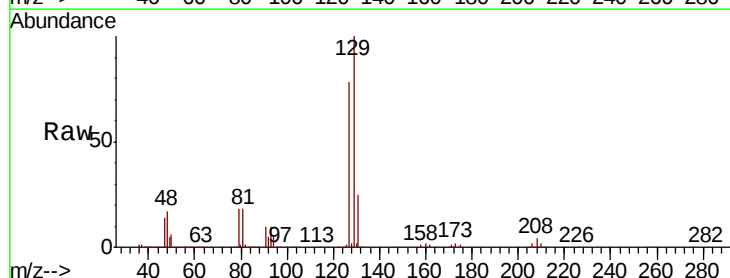
Acq: 17 Jun 2021 10:17

Tgt Ion: 129 Resp: 2670034

Ion Ratio Lower Upper

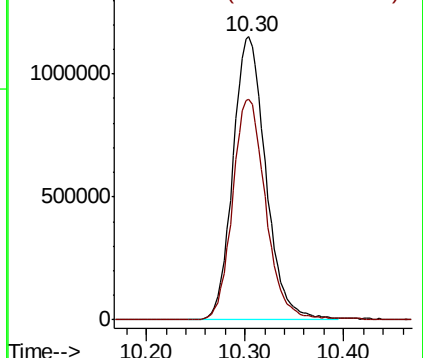
129 100

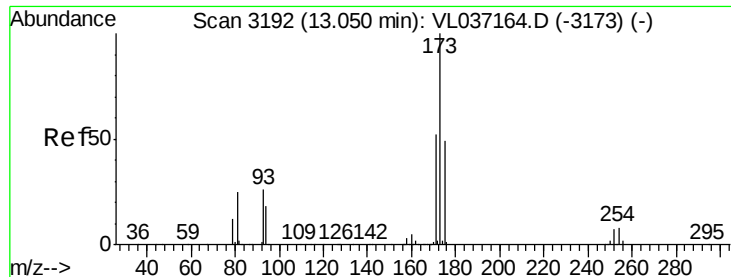
127 79.1 39.1 117.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#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

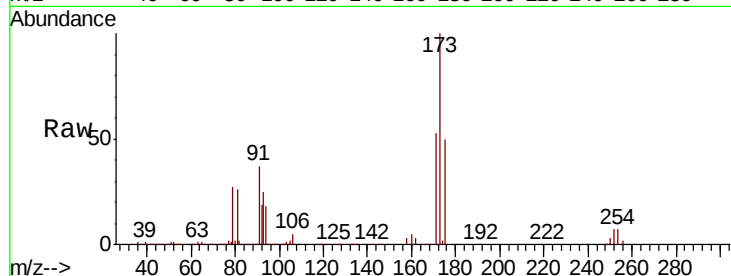
Tot Ion:173 Resp: 2150838

Ion Ratio Lower Upper

173 100

175 50.2 40.2 60.4

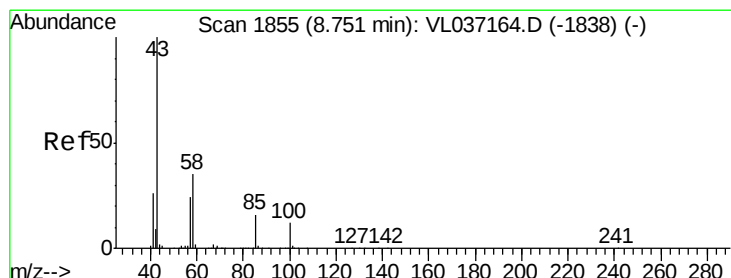
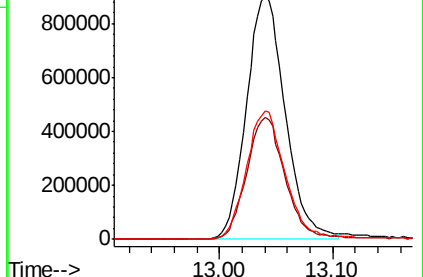
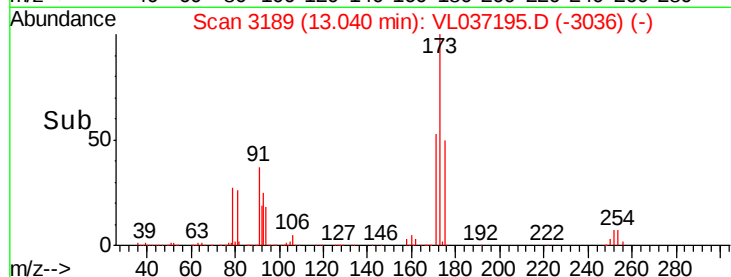
171 54.4 41.8 62.8



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: 10.437 ppbv

RT: 8.74 min Scan# 1853

Delta R.T. -0.01 min

Lab File: VL037195.D

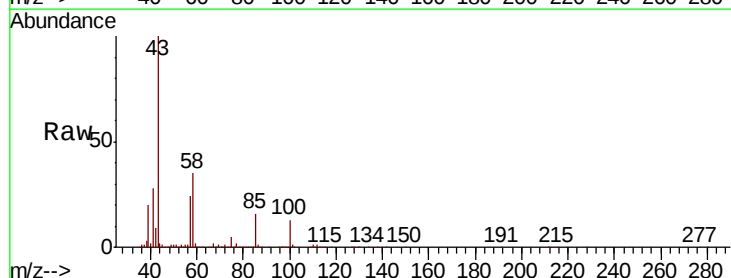
Acq: 17 Jun 2021 10:17

Tgt Ion: 43 Resp: 2487775

Ion Ratio Lower Upper

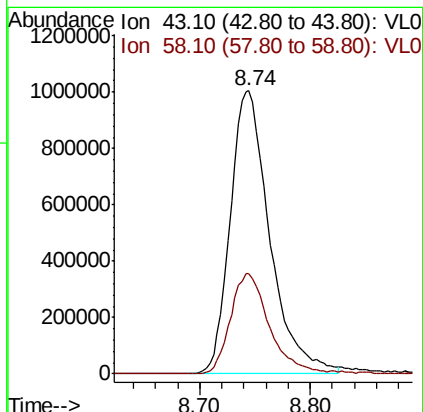
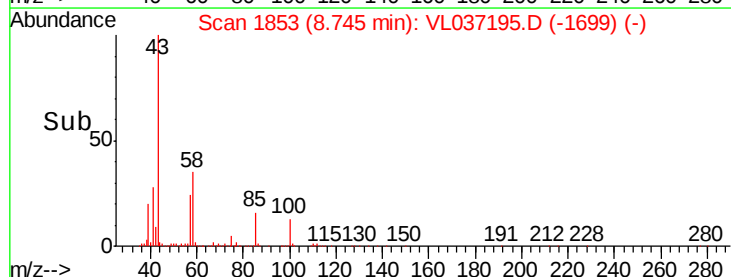
43 100

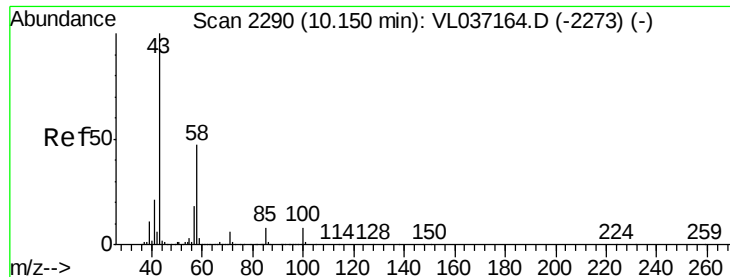
58 35.8 28.4 42.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

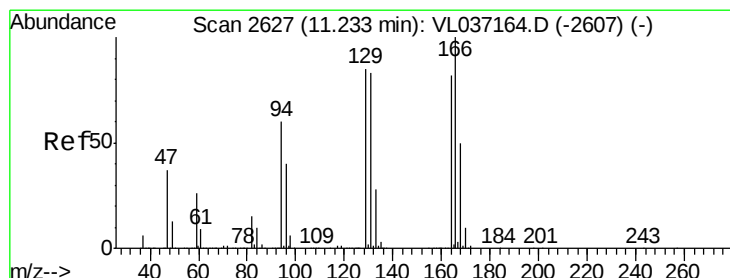
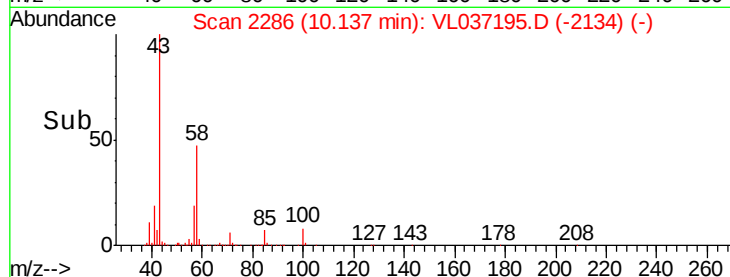
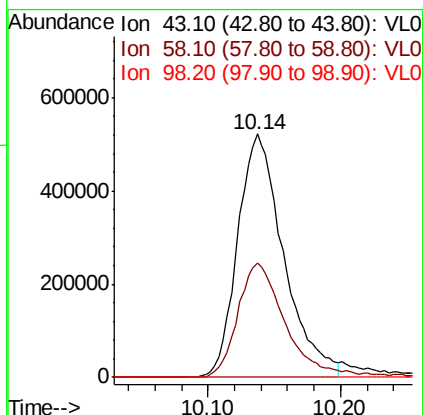
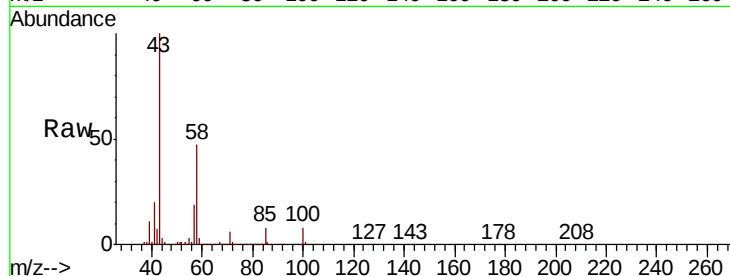




#51
2-Hexanone
Concen: 10.825 ppbv
RT: 10.14 min Scan# 2286
Delta R.T. -0.01 min
Lab File: VL037195.D
Acq: 17 Jun 2021 10:17

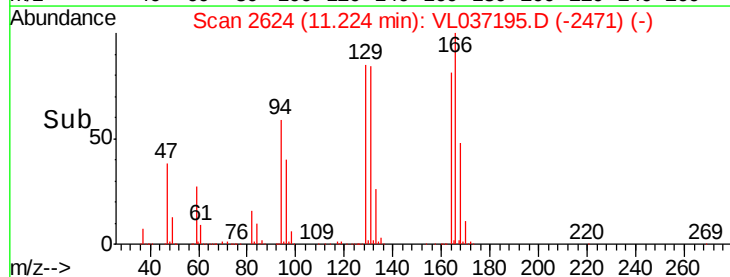
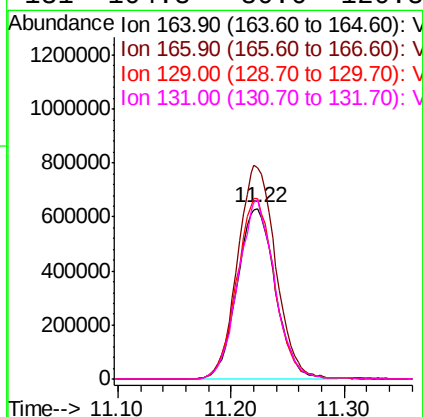
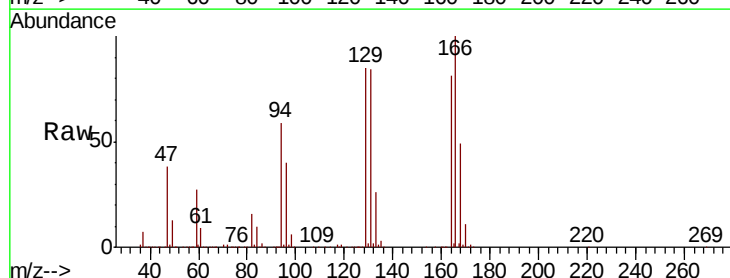
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

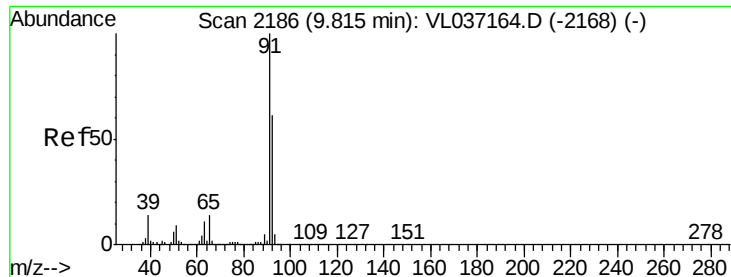
Tot Ion: 43 Resp: 1255524
Ion Ratio Lower Upper
43 100
58 49.5 38.4 57.6
98 0.2 0.3 0.5#



#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 :

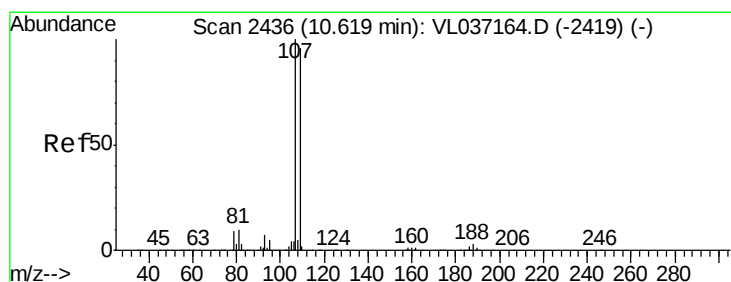
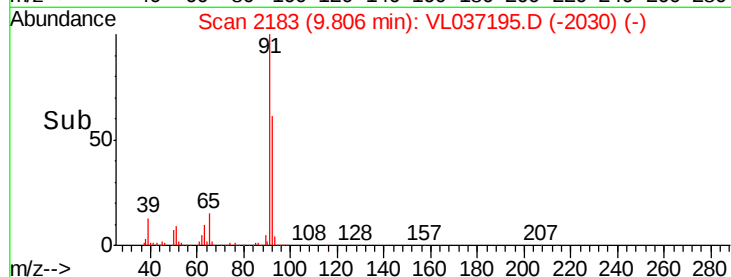
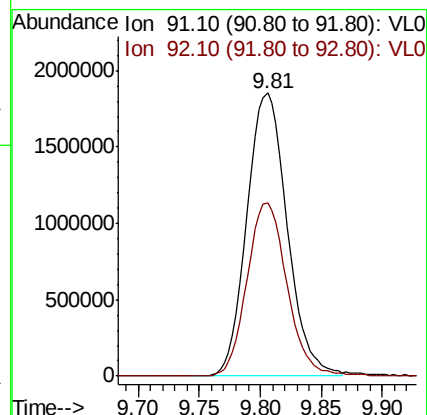
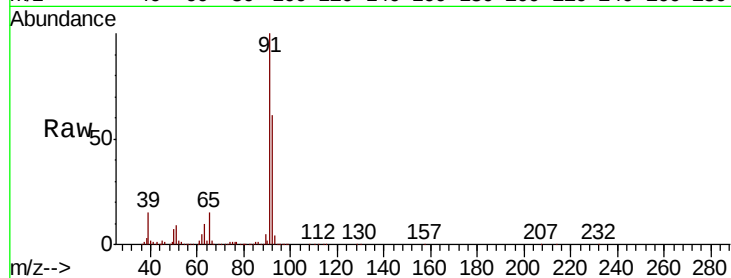
VSTDCCC010

Tot Ion: 91 Resp: 4245863

Ion Ratio Lower Upper

91 100

92 61.1 48.3 72.5



#54

1,2-Dibromoethane

Concen: 10.249 ppbv

RT: 10.61 min Scan# 2432

Delta R.T. -0.01 min

Lab File: VL037195.D

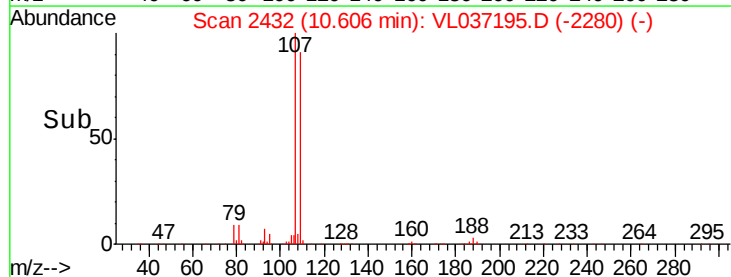
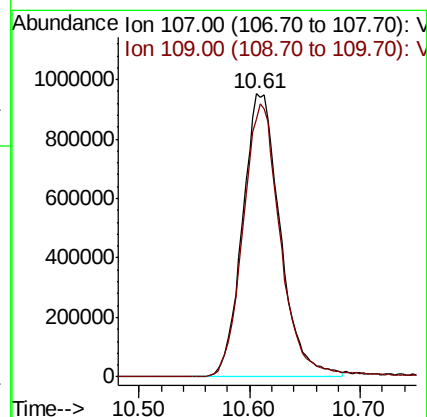
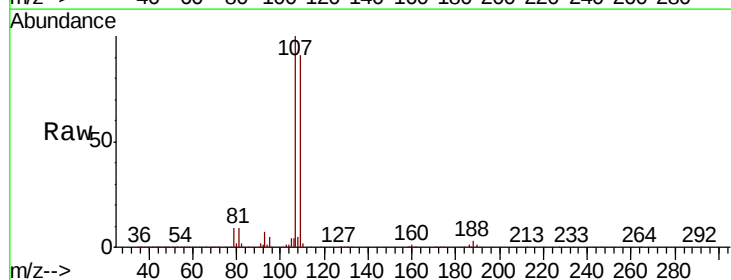
Acq: 17 Jun 2021 10:17

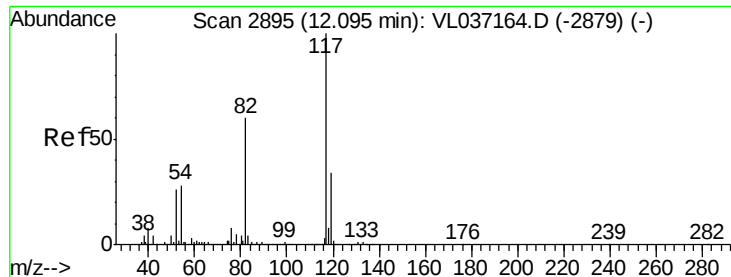
Tgt Ion: 107 Resp: 2253090

Ion Ratio Lower Upper

107 100

109 90.9 77.0 115.6

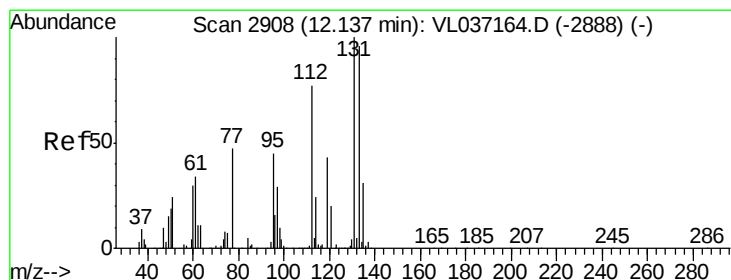
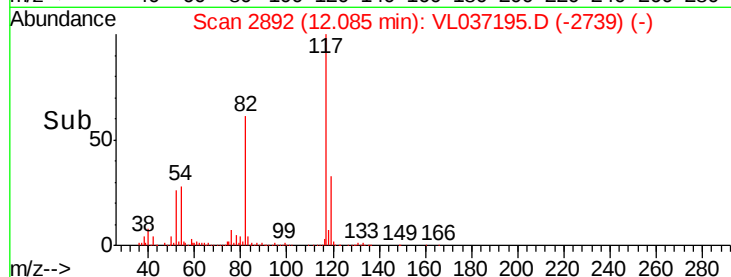
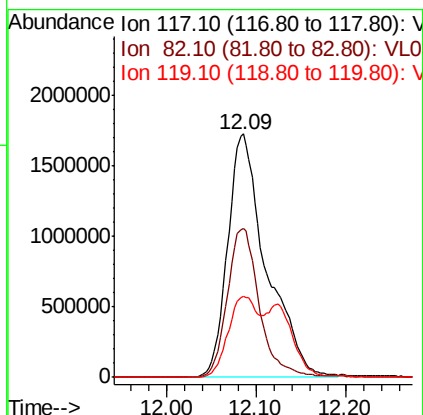
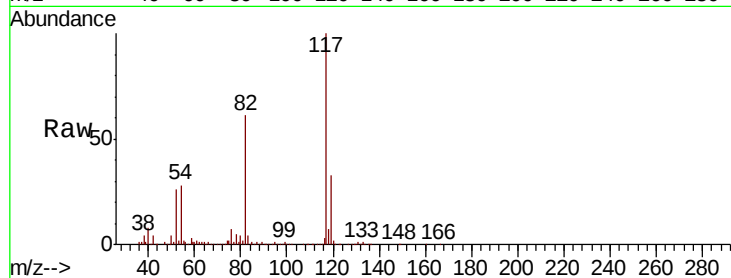




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2892
Delta R.T. -0.01 min
Lab File: VL037195.D
Acq: 17 Jun 2021 10:17

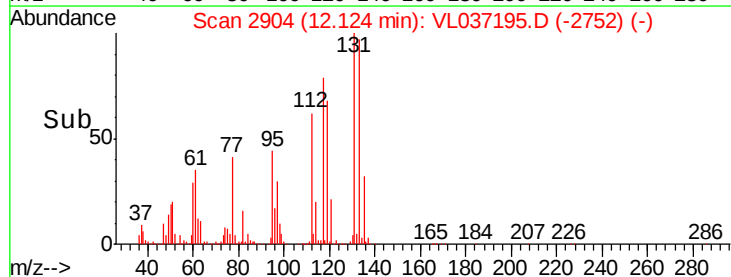
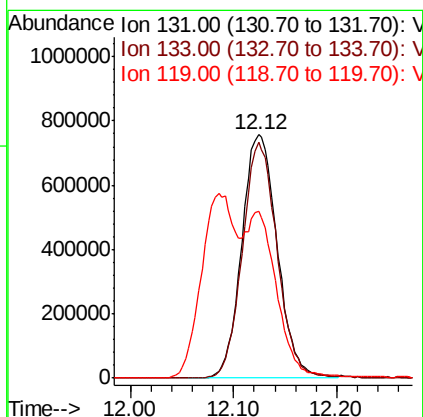
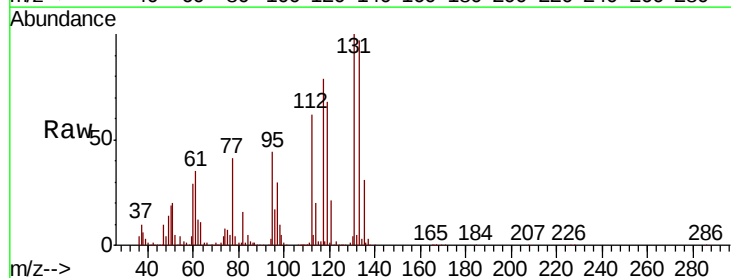
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

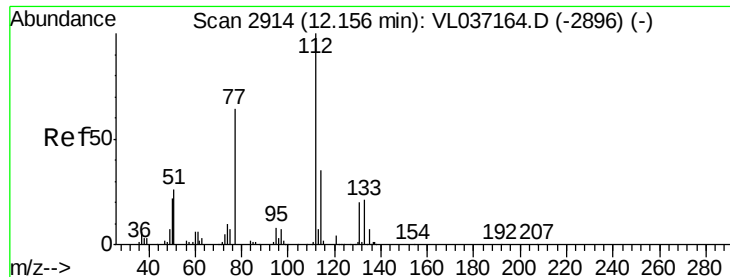
Tot Ion:117 Resp: 5214514
Ion Ratio Lower Upper
117 100
82 51.2 51.7 77.5#
119 47.6 47.6 71.4



#56
1,1,1,2-Tetrachloroethane
Concen: 7.940 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#





#57

Chlorobenzene

Concen: 7.684 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

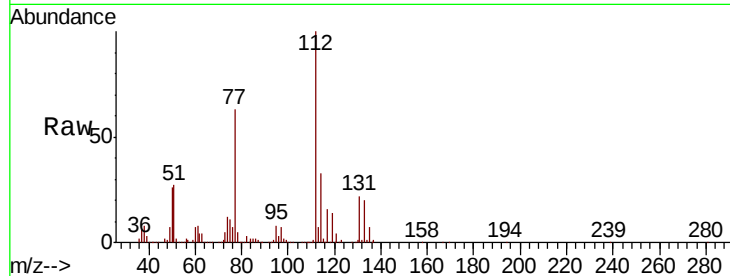
Tot Ion:112 Resp: 3249594

Ion Ratio Lower Upper

112 100

77 62.2 52.2 78.4

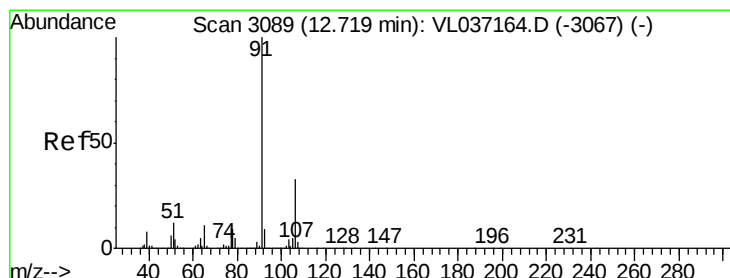
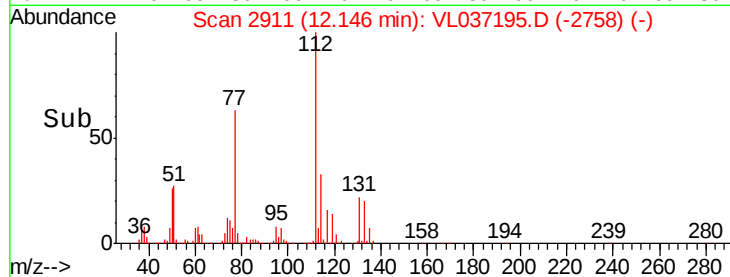
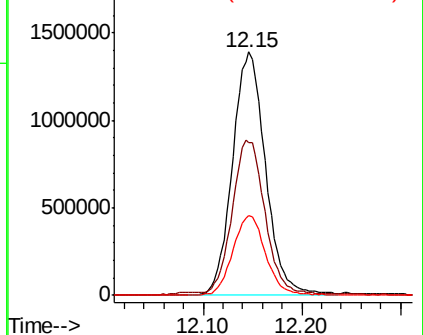
114 32.5 31.1 38.1



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



#58

Ethyl Benzene

Concen: 7.846 ppbv

RT: 12.71 min Scan# 3086

Delta R.T. -0.01 min

Lab File: VL037195.D

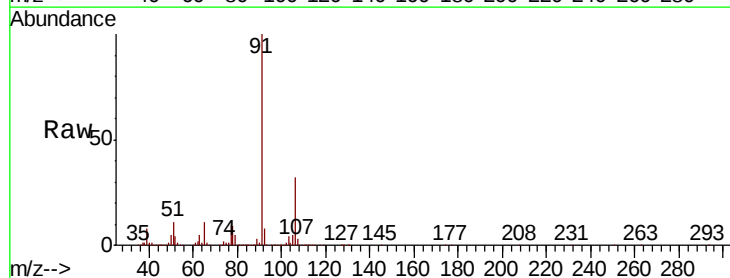
Acq: 17 Jun 2021 10:17

Tgt Ion: 91 Resp: 5632484

Ion Ratio Lower Upper

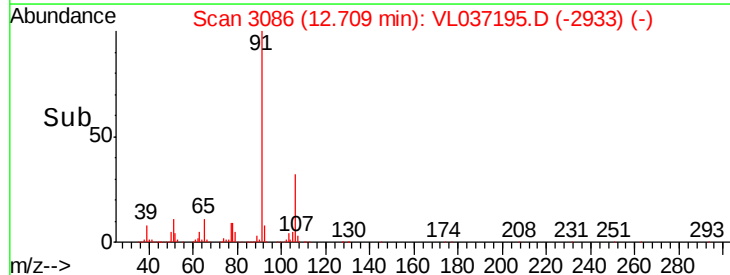
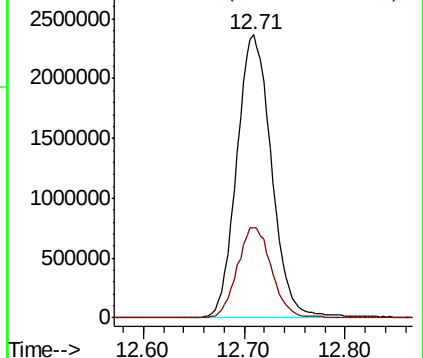
91 100

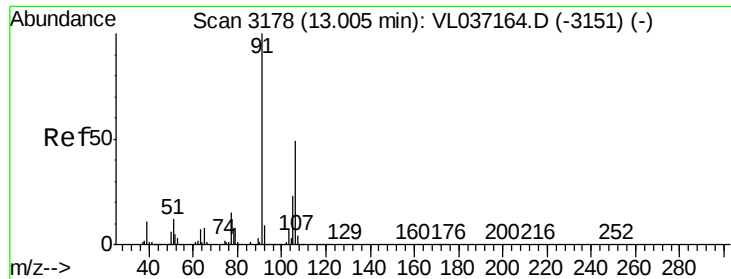
106 31.9 26.3 39.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

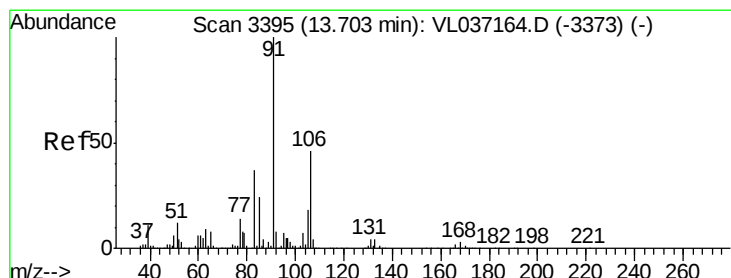
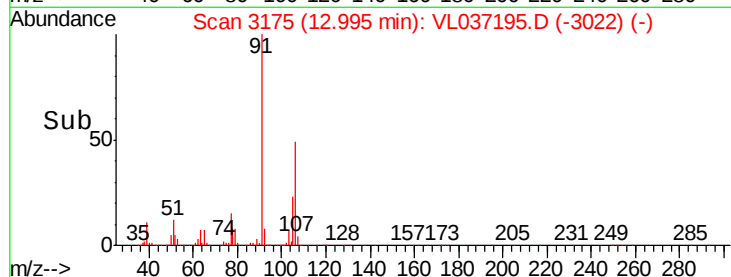
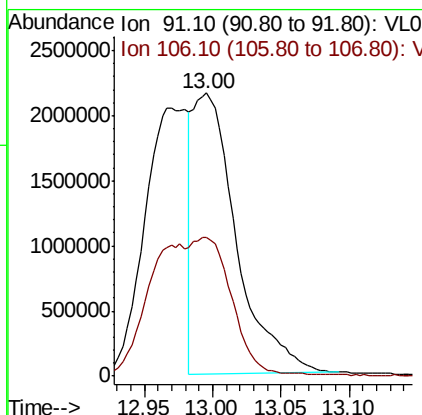
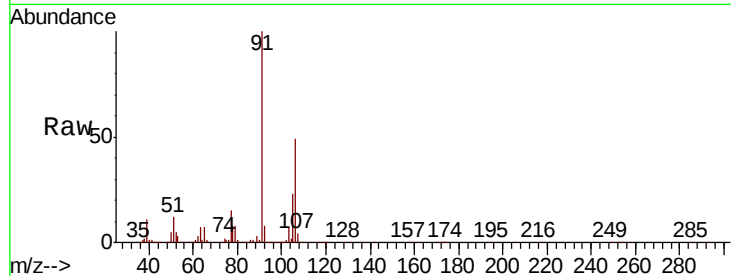




#59
m/p-Xylene
Concen: 7.797 ppbv
RT: 13.00 min Scan# 3175
Delta R.T. -0.01 min
Lab File: VL037195.D
Acq: 17 Jun 2021 10:17

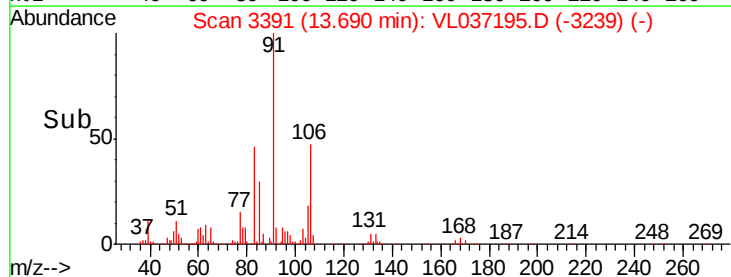
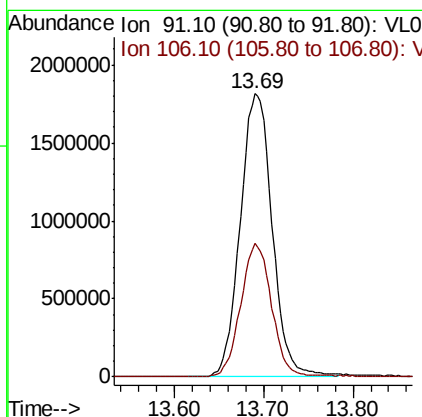
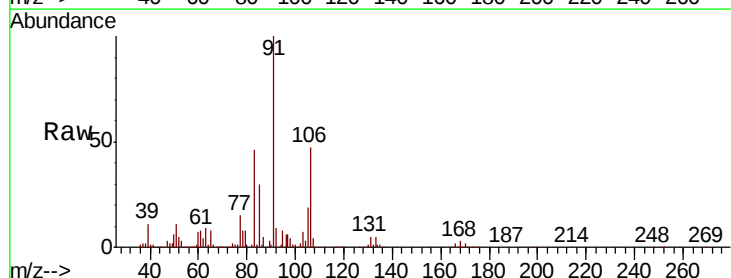
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

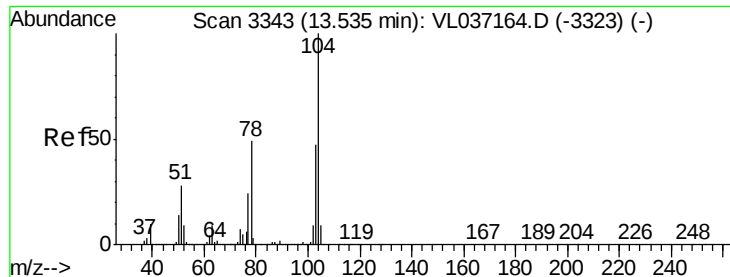
Tot Ion: 91 Resp: 4743069
Ion Ratio Lower Upper
91 100
106 92.2 37.0 55.4#



#60
o-Xylene
Concen: 7.760 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: 8.643 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

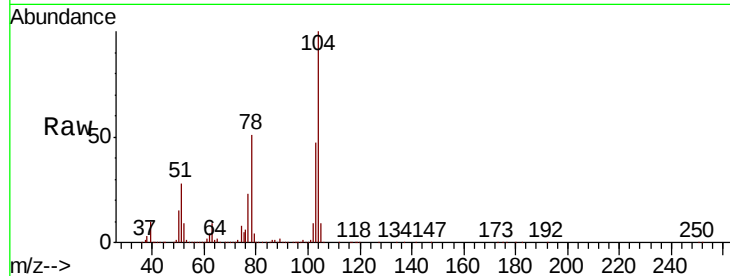
Tot Ion:104 Resp: 2583914

Ion Ratio Lower Upper

104 100

78 51.3 39.7 59.5

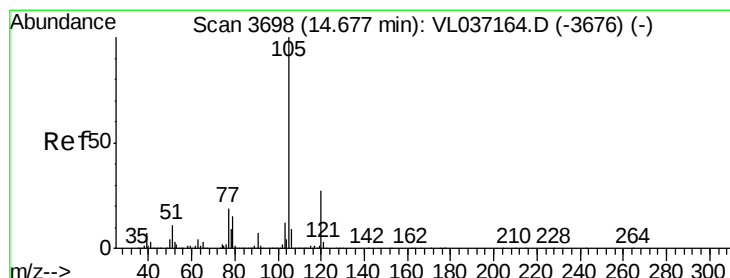
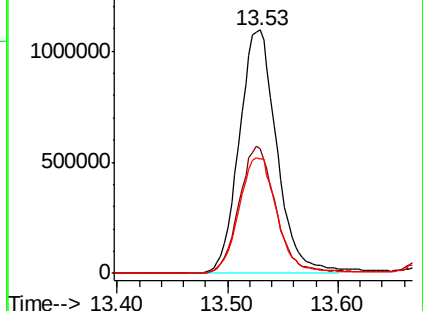
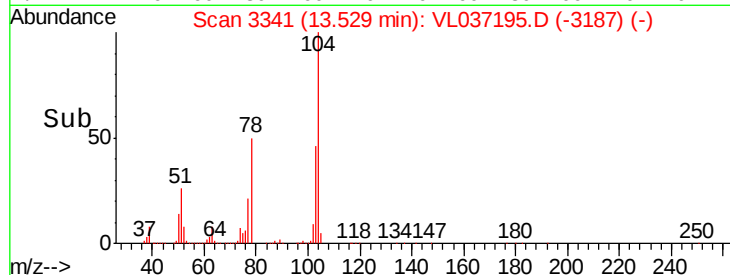
103 48.7 37.6 56.4



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: 7.547 ppbv

RT: 14.66 min Scan# 3694

Delta R.T. -0.01 min

Lab File: VL037195.D

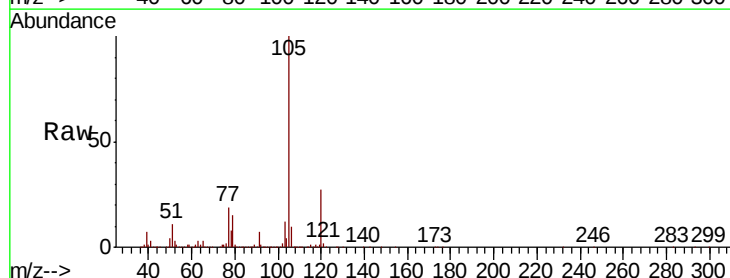
Acq: 17 Jun 2021 10:17

Tgt Ion:105 Resp: 6215998

Ion Ratio Lower Upper

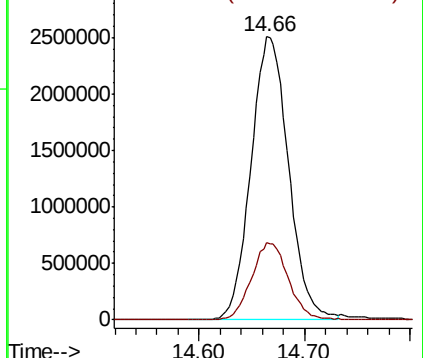
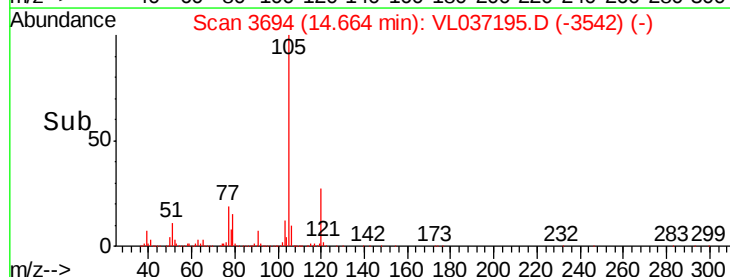
105 100

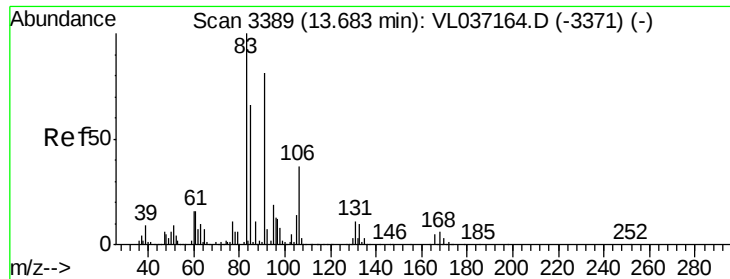
120 27.1 21.6 32.4



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: 7.691 ppbv

RT: 13.68 min Scan# 3387

Delta R.T. -0.01 min

Lab File: VL037195.D

Acq: 17 Jun 2021 10:17

Instrument :

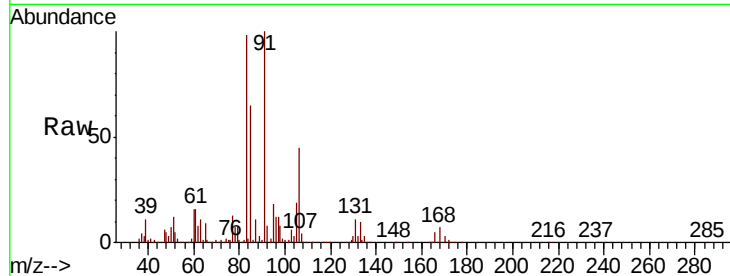
MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 83 Resp: 2966247

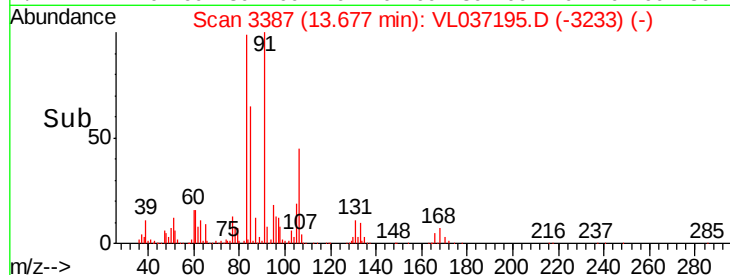
Ion	Ratio	Lower	Upper
83	100		
131	11.0	5.4	16.2
85	67.4	33.1	99.2



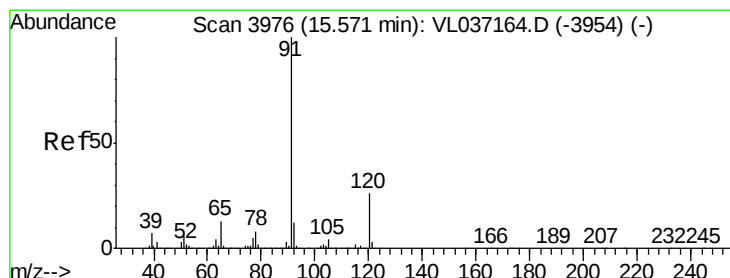
Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0



Time-->



#64

n-propylbenzene

Concen: 8.265 ppbv

RT: 15.56 min Scan# 3973

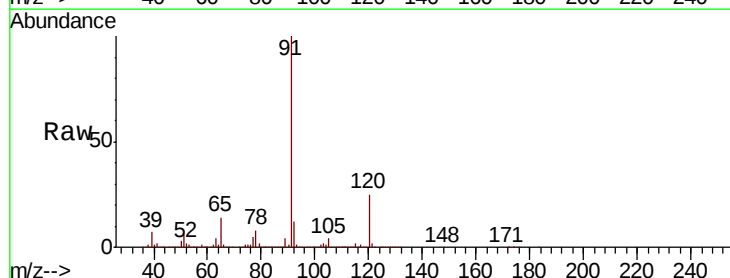
Delta R.T. -0.01 min

Lab File: VL037195.D

Acq: 17 Jun 2021 10:17

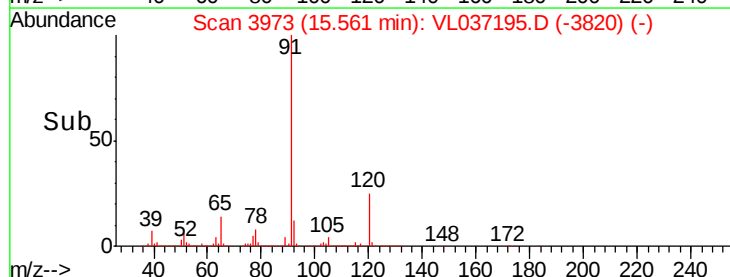
Tgt Ion:120 Resp: 1704813

Ion	Ratio	Lower	Upper
120	100		
91	436.3	343.3	514.9

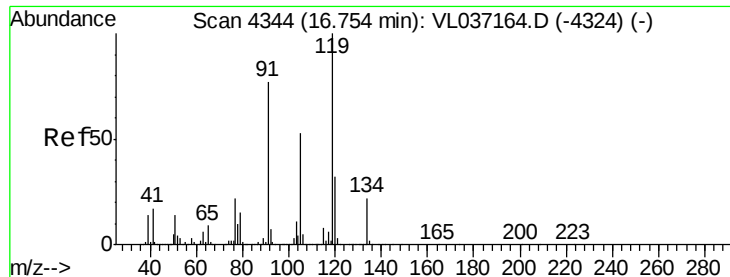


Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



Time-->



#65

tert-Butylbenzene

Concen: 7.764 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

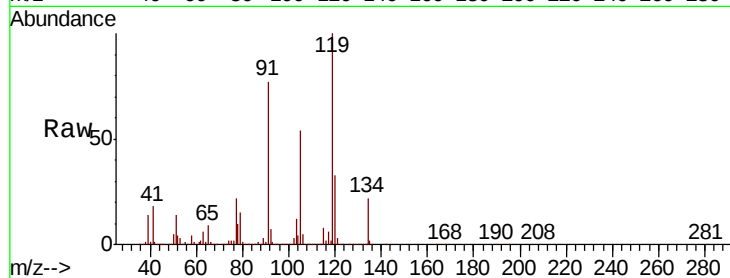
Tot Ion:119 Resp: 5672336

Ion Ratio Lower Upper

119 100

91 78.8 62.6 93.8

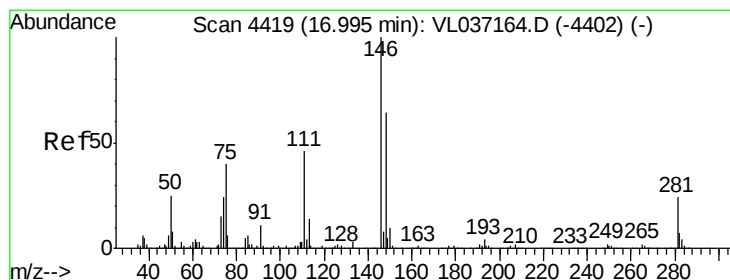
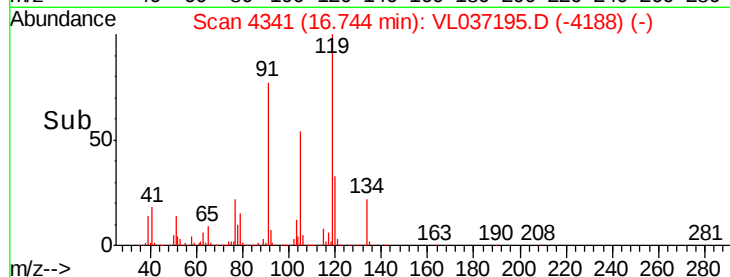
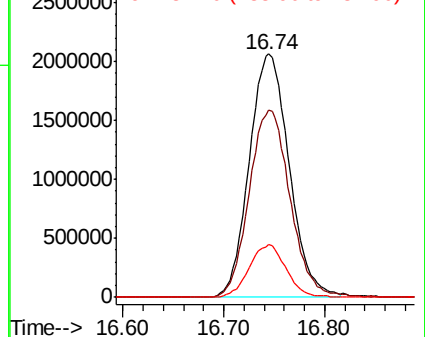
134 20.2 16.2 24.4



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: 9.400 ppbv

RT: 16.99 min Scan# 4416

Delta R.T. -0.01 min

Lab File: VL037195.D

Acq: 17 Jun 2021 10:17

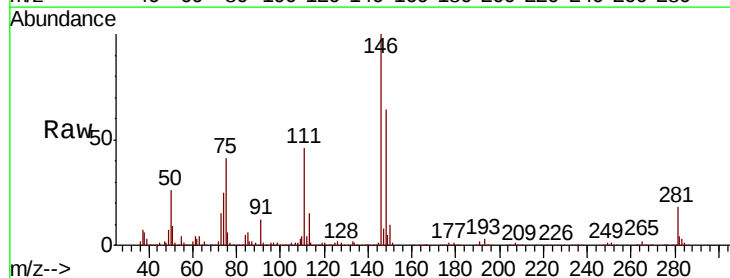
Tgt Ion: 91 Resp: 290994

Ion Ratio Lower Upper

91 100

126 19.3 15.5 23.3

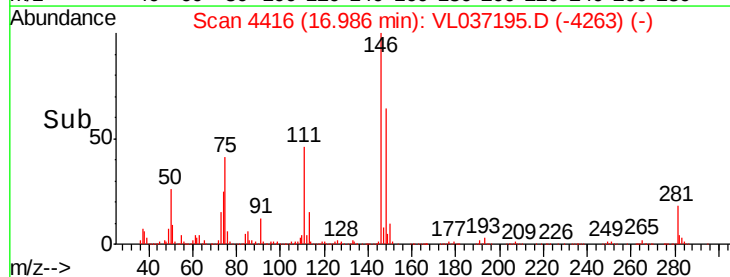
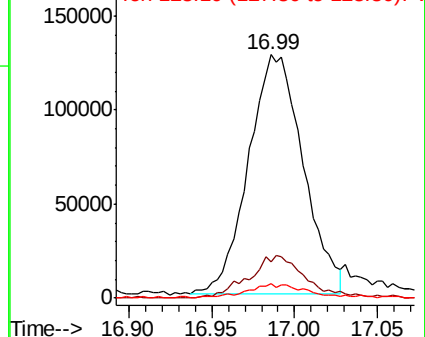
128 7.4 5.7 8.5

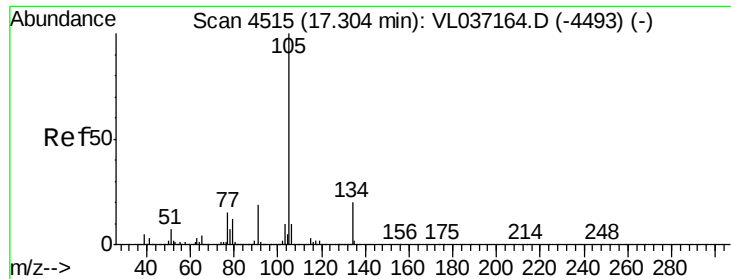


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 7.803 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 :

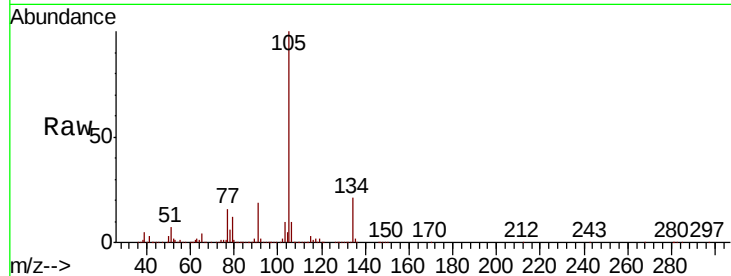
VSTDCCC010

Tot Ion:105 Resp: 7600898

Ion Ratio Lower Upper

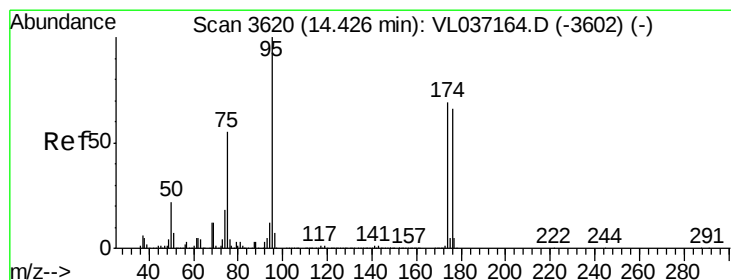
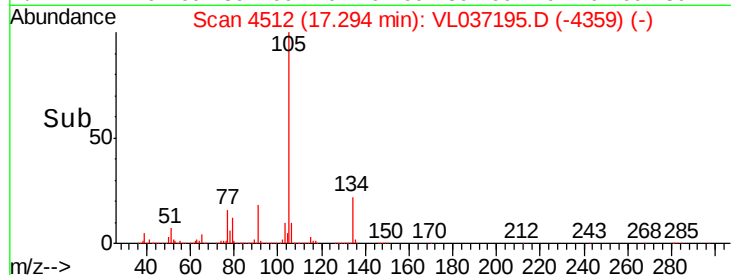
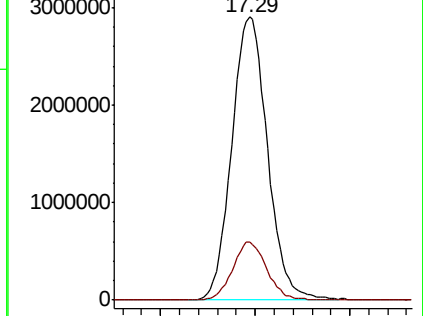
105 100

134 19.6 15.8 23.6



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: 8.108 ppbv

RT: 14.41 min Scan# 3616

Delta R.T. -0.01 min

Lab File: VL037195.D

Acq: 17 Jun 2021 10:17

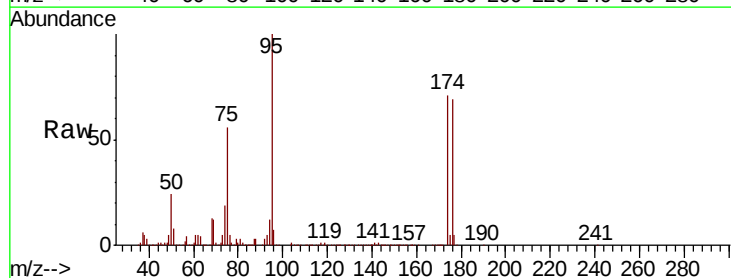
Tgt Ion: 95 Resp: 3203641

Ion Ratio Lower Upper

95 100

174 71.5 57.0 85.4

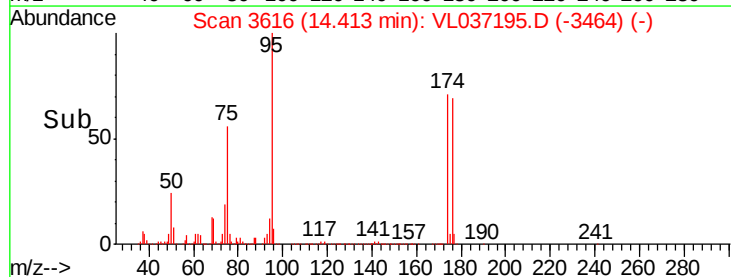
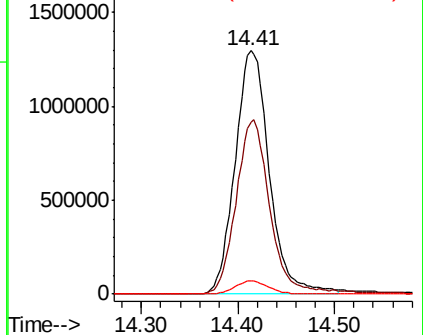
175 5.4 4.4 6.6

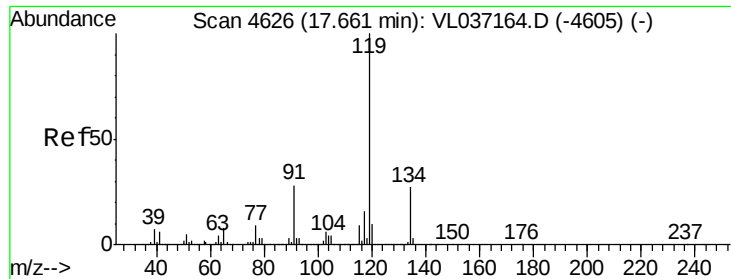


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

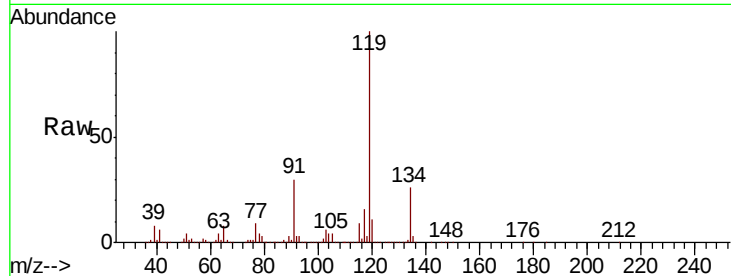




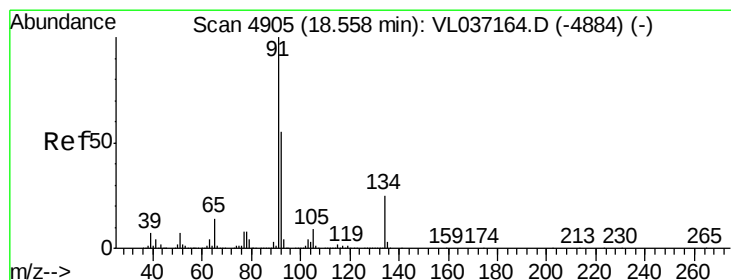
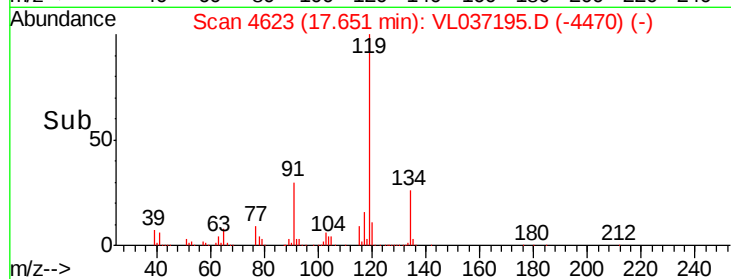
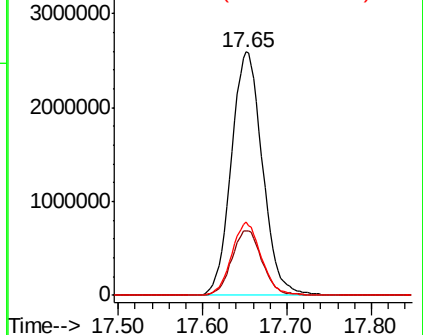
#69
 p-Isopropyltoluene
 Concen: 8.084 ppbv
 RT: 17.65 min Scan# 4623
 Delta R.T. -0.01 min
 Lab File: VL037195.D
 Acq: 17 Jun 2021 10:17

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:119 Resp: 6651791
 Ion Ratio Lower Upper
 119 100
 134 26.2 20.9 31.3
 91 28.6 22.6 34.0

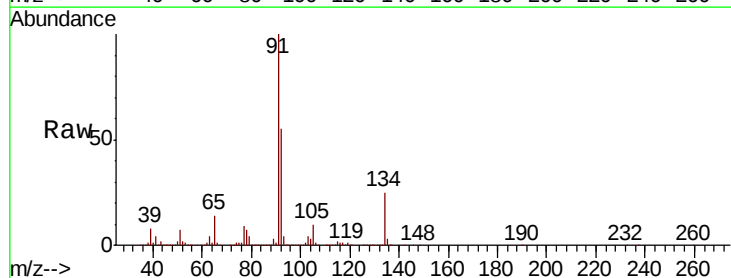


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

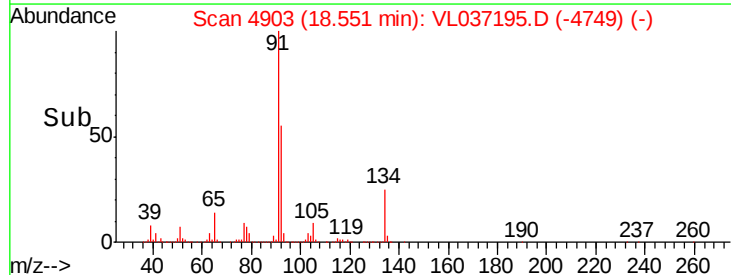
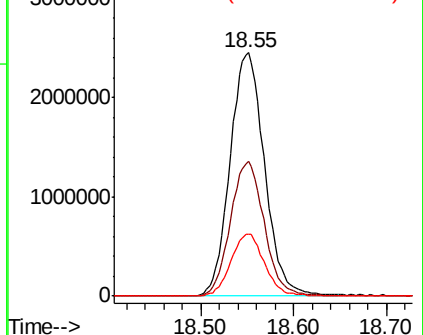


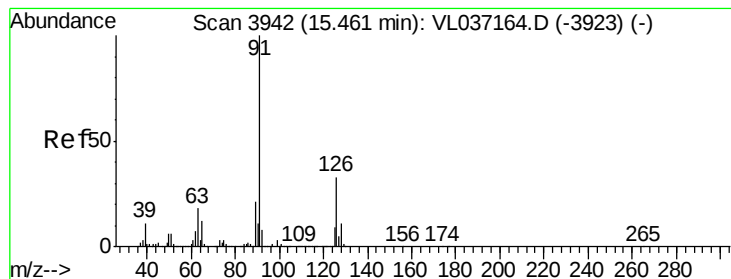
#70
 n-Butylbenzene
 Concen: 8.303 ppbv
 RT: 18.55 min Scan# 4903
 Delta R.T. -0.01 min
 Lab File: VL037195.D
 Acq: 17 Jun 2021 10:17

Tgt Ion: 91 Resp: 6323368
 Ion Ratio Lower Upper
 91 100
 92 54.5 44.0 66.0
 134 25.1 20.2 30.4



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





#71

2-Chlorotoluene

Concen: 7.938 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 :

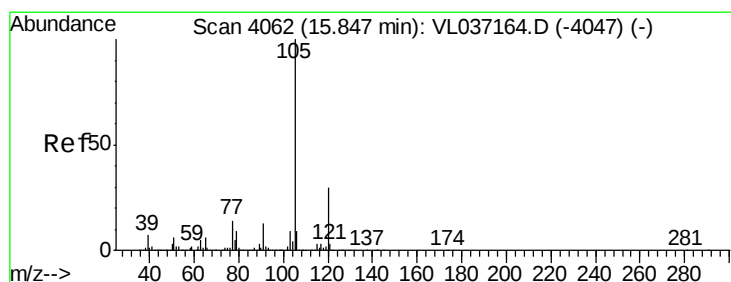
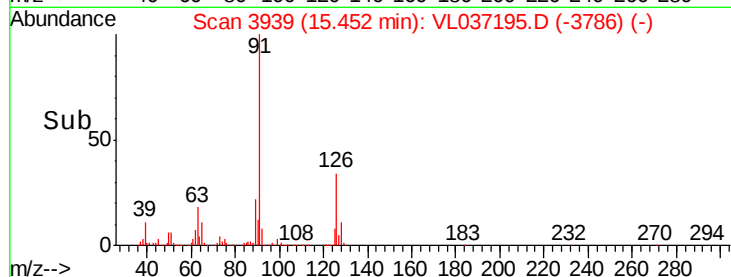
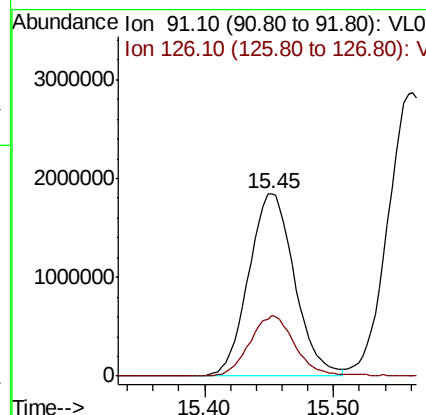
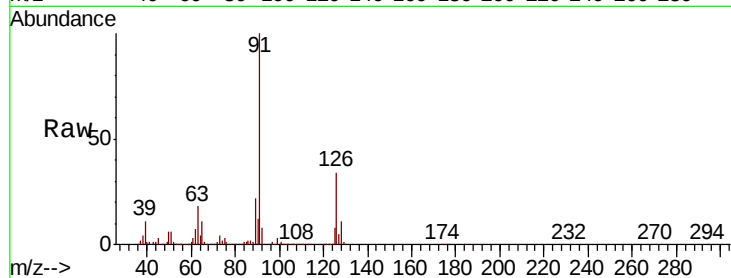
VSTDCCC010

Tot Ion: 91 Resp: 4571514

Ion Ratio Lower Upper

91 100

126 33.6 13.5 54.1



#72

4-Ethyltoluene

Concen: 8.270 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

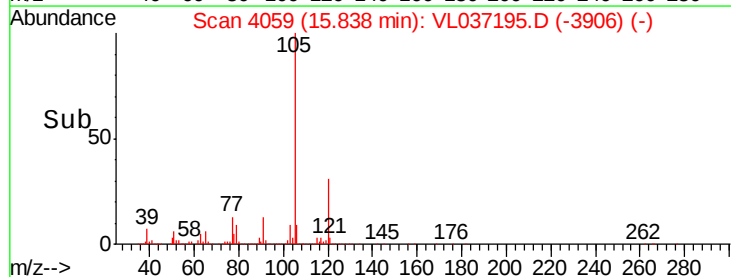
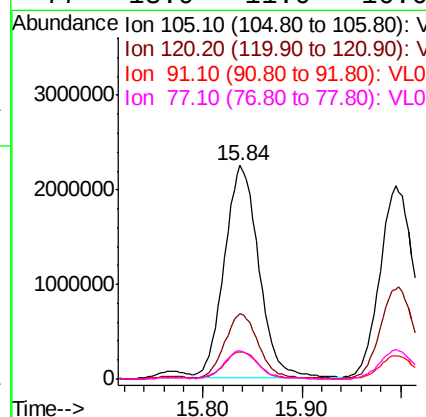
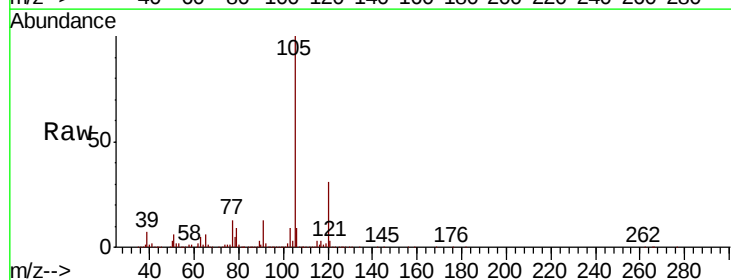
Ion Ratio Lower Upper

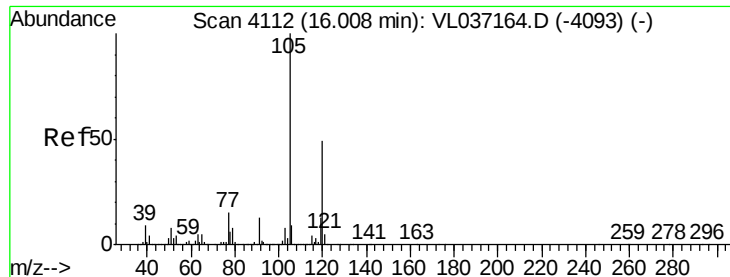
105 100

120 30.9 24.7 37.1

91 12.7 10.2 15.4

77 13.9 11.0 16.6





#73

1,3,5-Trimethylbenzene

Concen: 7.928 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 :

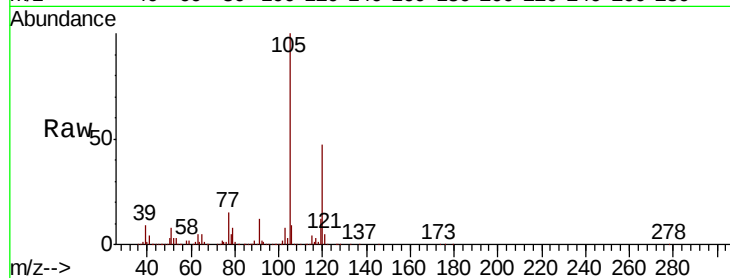
VSTDCCC010

Tot Ion:105 Resp: 5042730

Ion Ratio Lower Upper

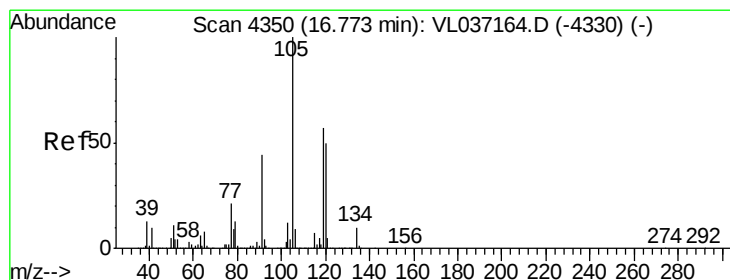
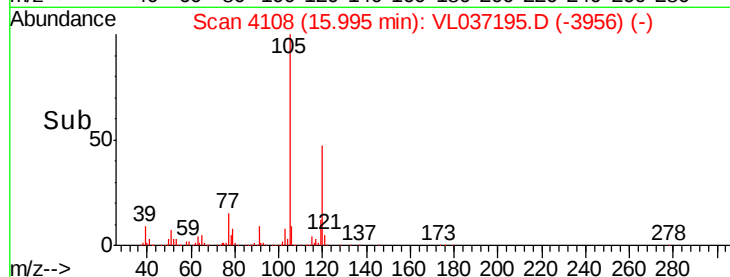
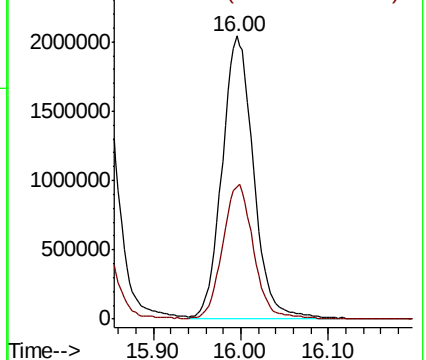
105 100

120 46.5 39.4 59.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 7.964 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

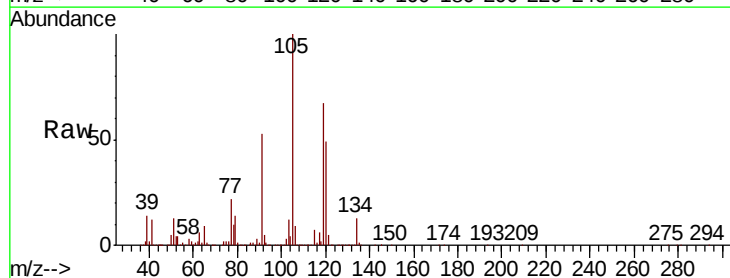
Ion Ratio Lower Upper

105 100

120 49.1 39.8 59.8

91 53.3 37.0 55.4

77 22.0 17.0 25.4

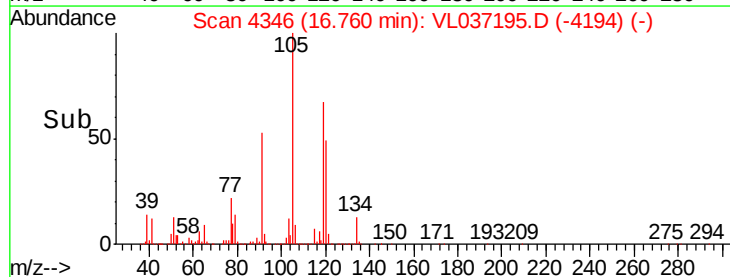
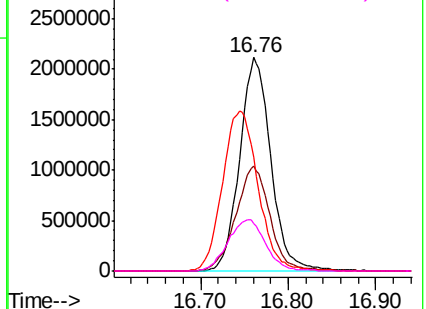


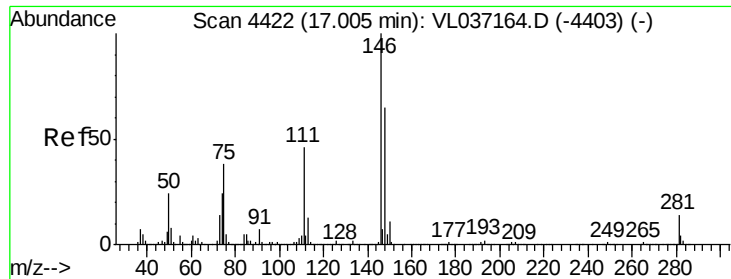
Abundance Ion 105.10 (104.80 to 105.80): V

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





#75

1,3-Dichlorobenzene

Concen: 8.084 ppbv

RT: 17.00 min Scan# 4419

Delta R.T. -0.01 min

Lab File: VL037195.D

Acq: 17 Jun 2021 10:17

Instrument :

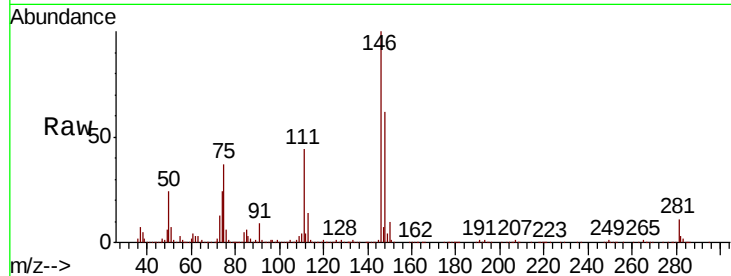
MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:146 Resp: 3221295

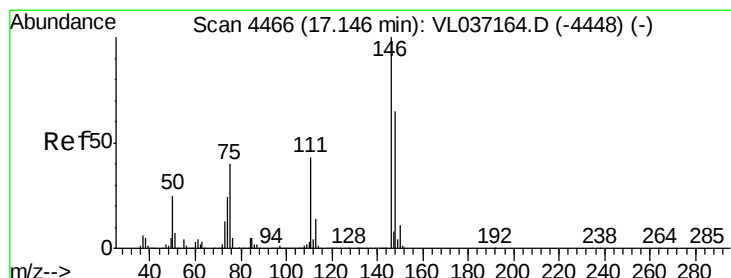
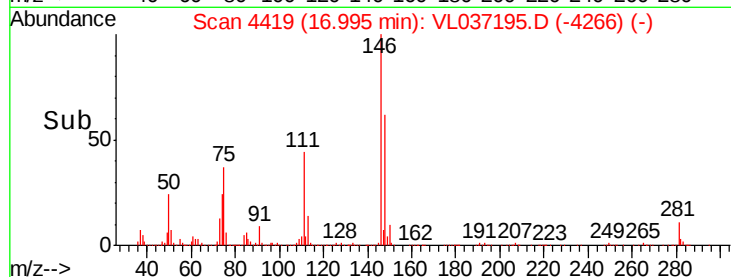
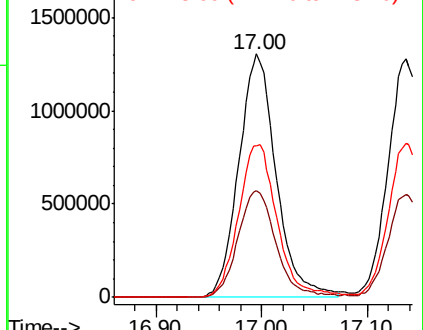
Ion	Ratio	Lower	Upper
146	100		
111	45.0	22.2	66.6
148	65.0	32.4	97.2



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: 8.028 ppbv

RT: 17.14 min Scan# 4463

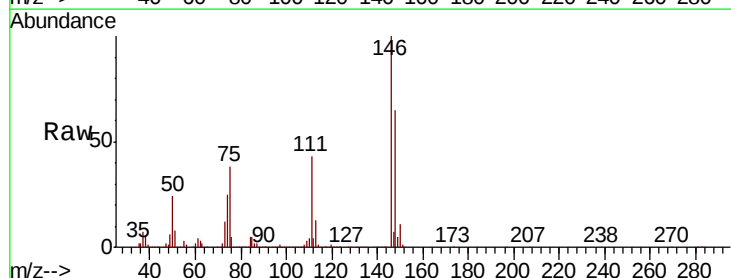
Delta R.T. -0.01 min

Lab File: VL037195.D

Acq: 17 Jun 2021 10:17

Tgt Ion:146 Resp: 3195254

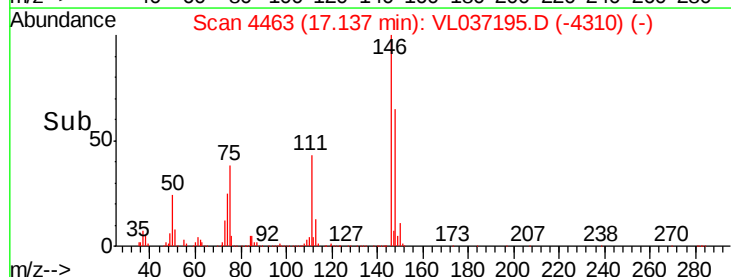
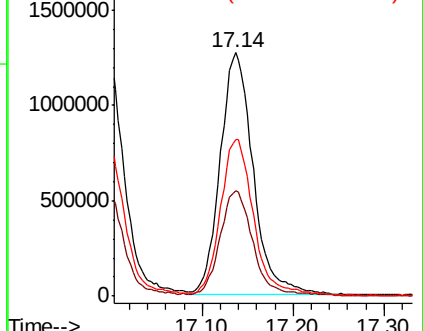
Ion	Ratio	Lower	Upper
146	100		
111	43.8	22.7	68.0
148	65.4	33.7	101.1

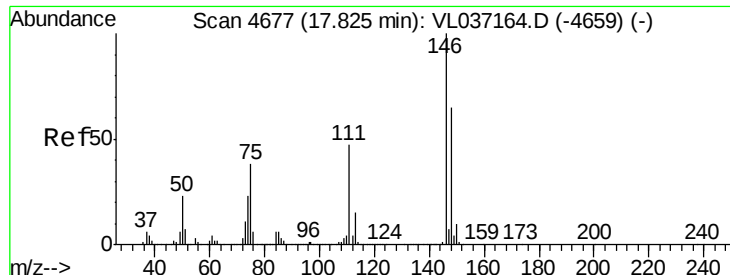


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 8.072 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

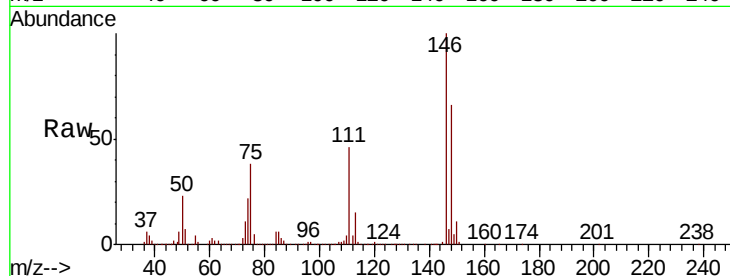
Tot Ion:146 Resp: 3111554

Ion Ratio Lower Upper

146 100

111 46.4 23.3 69.8

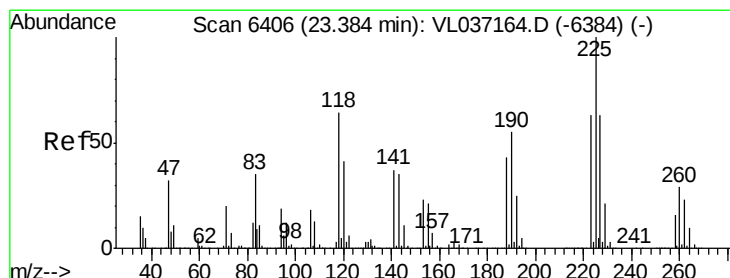
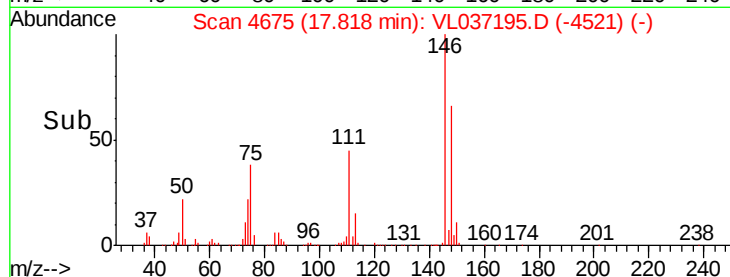
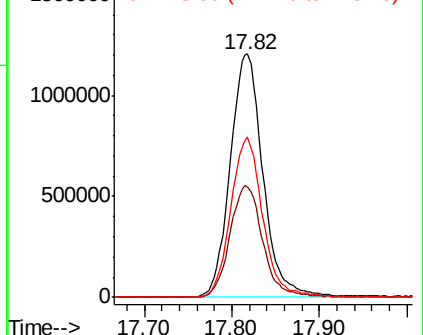
148 64.6 32.4 97.0



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: 6.276 ppbv

RT: 23.37 min Scan# 6403

Delta R.T. -0.01 min

Lab File: VL037195.D

Acq: 17 Jun 2021 10:17

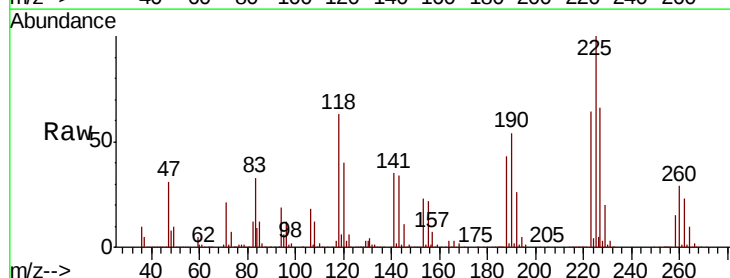
Tgt Ion:225 Resp: 2080246

Ion Ratio Lower Upper

225 100

223 64.7 51.8 77.8

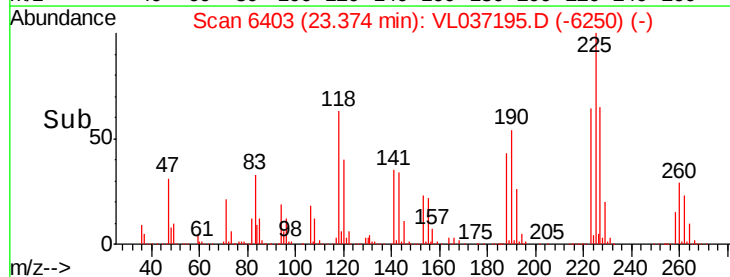
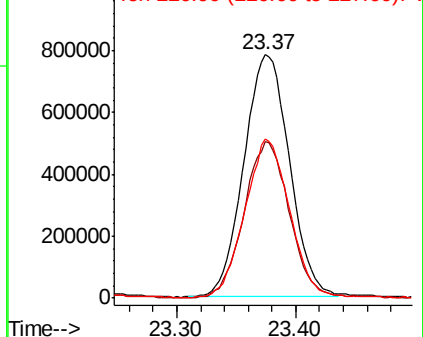
227 65.0 51.4 77.0

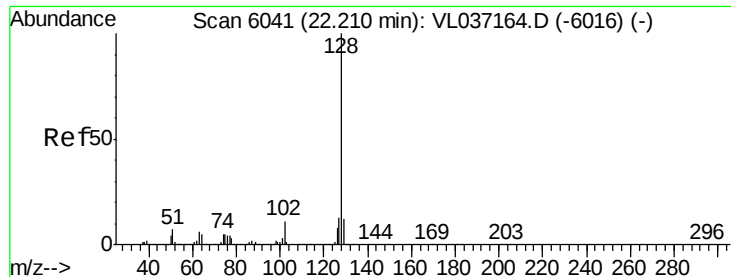


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 7.637 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

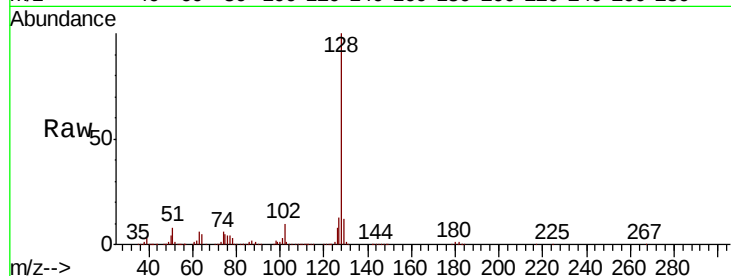
Tot Ion:128 Resp: 4173371

Ion Ratio Lower Upper

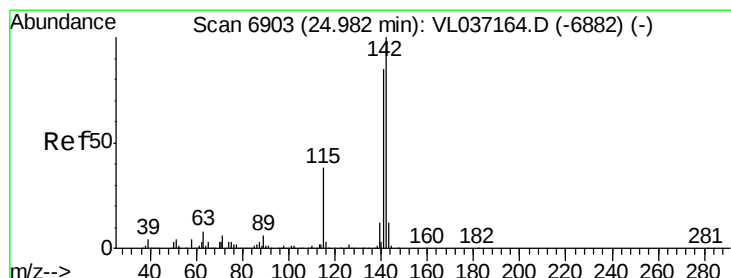
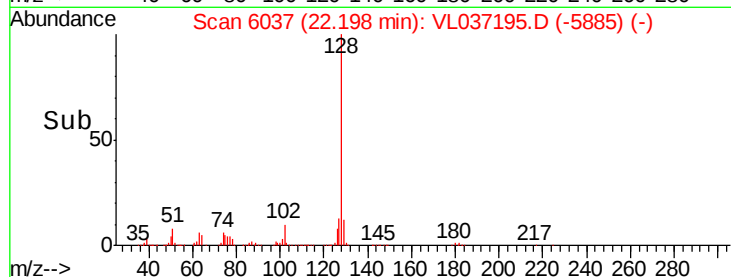
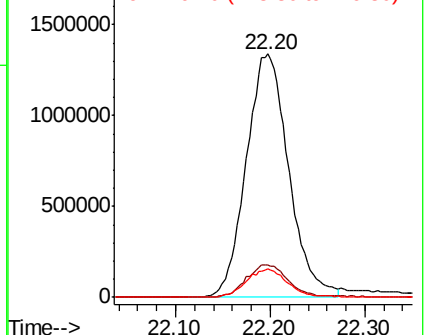
128 100

127 13.3 10.7 16.1

129 11.7 9.3 13.9



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



#80

Naphthalene, 2-methyl-

Concen: 6.590 ppbv

RT: 24.97 min Scan# 6900

Delta R.T. -0.01 min

Lab File: VL037195.D

Acq: 17 Jun 2021 10:17

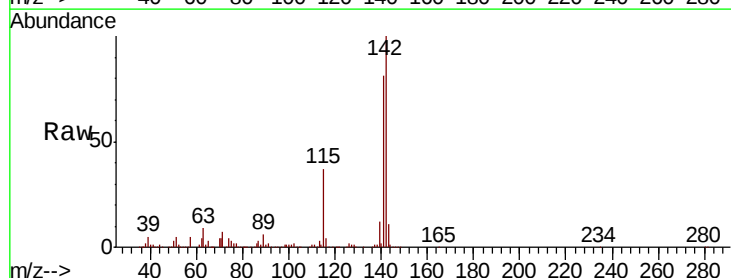
Tgt Ion:142 Resp: 944368

Ion Ratio Lower Upper

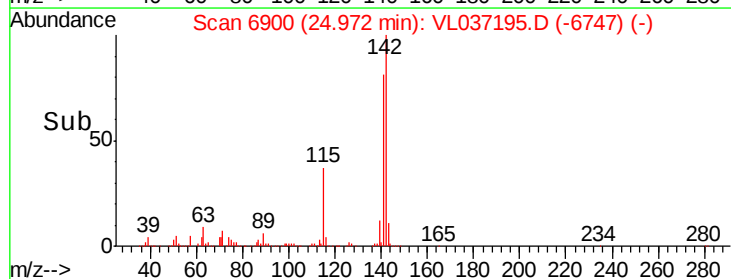
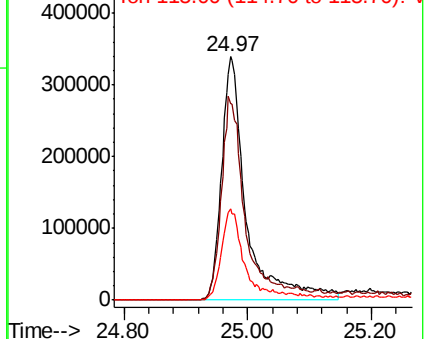
142 100

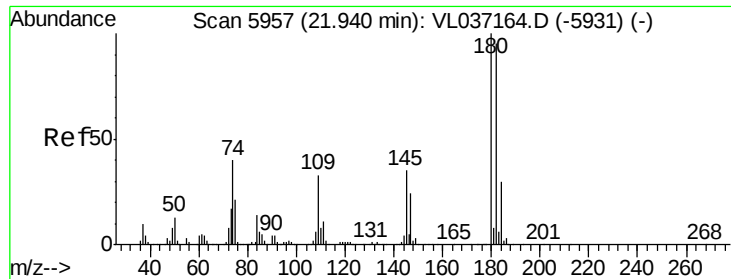
141 84.6 63.7 95.5

115 36.7 30.6 45.8



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





#81

1,2,4-Trichlorobenzene

Concen: 7.387 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

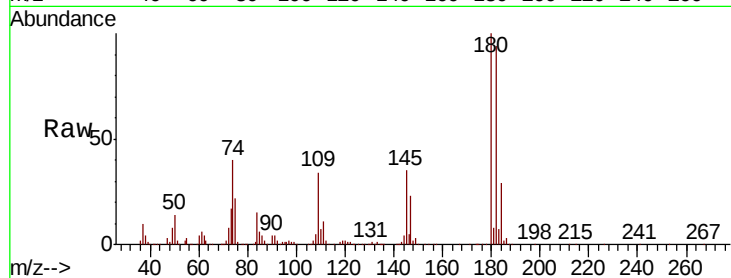
Tot Ion:180 Resp: 2329205

Ion Ratio Lower Upper

180 100

182 99.9 79.3 118.9

184 31.6 24.7 37.1



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

