

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022421\
 Data File : VL036375.D
 Acq On : 25 Feb 2021 7:24
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Quant Time: Feb 25 07:57:50 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 10 16:04:02 2021
 QLast Update : Wed Feb 10 16:04:02 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1568252	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.17	114	3659589	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	4287676	10.00	ppbv	0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	2889934	8.19	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	81.90%

Target Compounds						Ovalue
2) Dichlorodifluoromethane	3.04	85	2165229	9.251	ppbv	99
3) Chlorodifluoromethane	2.98	51	1884014	9.669	ppbv	99
4) Chloromethane	3.13	50	954430	10.139	ppbv	98
5) Vinyl Chloride	3.25	62	919106	10.485	ppbv	100
6) Bromomethane	3.47	94	538299	10.331	ppbv	98
7) Chloroethane	3.55	64	316053	10.154	ppbv	97
8) Dichlorotetrafluoroethane	3.18	85	2133877	10.024	ppbv	98
9) Propene	3.00	41	863570	11.887	ppbv	100
10) Heptane	8.12	43	2205853	10.303	ppbv	99
11) Trichlorofluoromethane	3.94	101	2250331	9.819	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1433902	10.100	ppbv	100
13) Ethanol	3.60	45	85264	6.248	ppbv	59
14) Bromoethene	3.74	108	618752	10.414	ppbv	98
15) Acetone	3.84	43	1798792	9.383	ppbv	98
16) 1,3-Butadiene	3.32	39	918086	10.015	ppbv	98
17) tert-Butyl alcohol	4.29	59	1713414	11.514	ppbv	100
18) 1,1-Dichloroethene	4.28	96	635067	9.843	ppbv	98
19) Isopropyl Alcohol	3.96	45	1140492	10.738	ppbv	100
20) Methylene Chloride	4.34	84	526076	8.506	ppbv	97
21) Allyl Chloride	4.41	41	1059800	9.930	ppbv	99
22) trans-1,2-Dichloroethene	4.88	96	587320	10.022	ppbv	96
23) Vinyl Acetate	5.07	43	2285864	10.141	ppbv #	97
24) 1,1-Dichloroethane	5.01	63	1713682	10.280	ppbv	99
25) Ethyl Acetate	5.67	43	3716053	10.041	ppbv	99
26) Hexane	5.68	57	1495589	9.836	ppbv	99
27) Carbon Disulfide	4.55	76	1514115	10.834	ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	2103202	10.588	ppbv	98
29) Chloroform	5.75	83	2426477	9.905	ppbv	97
30) Cyclohexane	7.13	84	1259465	9.959	ppbv	98
31) cis-1,2-Dichloroethene	5.55	61	1524033	10.129	ppbv	94
32) 1,1,1-Trichloroethane	6.51	97	2357368	10.293	ppbv	98
34) 2-Butanone	5.24	43	2347964	9.656	ppbv	99
35) Carbon Tetrachloride	7.01	117	2399114	9.782	ppbv	98
36) Benzene	6.89	78	3151185	10.137	ppbv	99
37) 1,2-Dichloroethane	6.30	62	1871857	9.739	ppbv	99
38) Trichloroethene	7.83	130	1071653	9.623	ppbv	95
39) 1,2-Dichloropropane	7.61	63	1257783	9.960	ppbv	95
40) 1,4-Dioxane	7.83	88	406048	9.280	ppbv #	23
41) Tetrahydrofuran	6.05	42	1397086	10.296	ppbv	99
42) Bromodichloromethane	7.79	83	2563402	9.958	ppbv	98
43) Methyl Methacrylate	8.01	69	1386723	10.577	ppbv	100

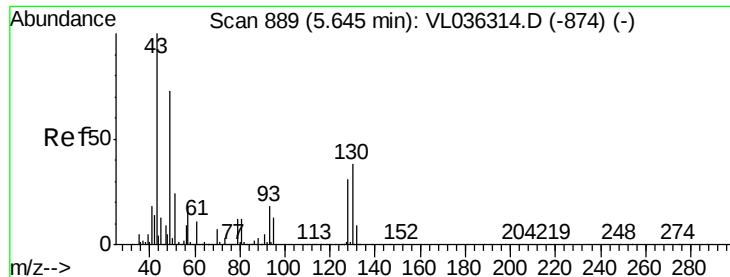
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	5405375	9.562	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	1441756	11.400	ppbv	98
46) cis-1,3-Dichloropropene	8.70	75	1778932	11.073	ppbv	99
47) 1,1,2-Trichloroethane	9.47	97	1234963	9.556	ppbv	97
48) Dibromochloromethane	10.30	129	2010568	10.426	ppbv	99
49) Bromoform	13.04	173	1581032	10.141	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	3614872	10.014	ppbv	99
51) 2-Hexanone	10.13	43	2917991	10.639	ppbv #	98
52) Tetrachloroethene	11.22	164	1009141	8.867	ppbv	99
53) Toluene	9.81	91	3454113	10.258	ppbv	99
54) 1,2-Dibromoethane	10.61	107	1832405	9.811	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.13	131	1497173	7.592	ppbv #	61
57) Chlorobenzene	12.15	112	2429832	7.335	ppbv	98
58) Ethyl Benzene	12.71	91	4646337	7.914	ppbv	98
59) m/p-Xylene	13.00	91	4165083	8.076	ppbv #	39
60) o-Xylene	13.70	91	3682605	7.469	ppbv	100
61) Styrene	13.53	104	2568214	8.404	ppbv	99
62) Isopropylbenzene	14.67	105	5445076	7.367	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.68	83	2532019	6.508	ppbv	99
64) n-propylbenzene	15.56	120	1389444	7.638	ppbv	100
65) tert-Butylbenzene	16.75	119	4574030	7.233	ppbv	98
66) Benzyl Chloride	16.99	91	1547767	9.003	ppbv	99
67) sec-Butylbenzene	17.30	105	6502023	7.130	ppbv	99
69) p-Isopropyltoluene	17.65	119	5379463	7.633	ppbv	99
70) n-Butylbenzene	18.55	91	5699783	7.541	ppbv	99
71) 2-Chlorotoluene	15.45	91	4189229	7.394	ppbv	99
72) 4-Ethyltoluene	15.84	105	4130161	7.527	ppbv	98
73) 1,3,5-Trimethylbenzene	16.00	105	3895632	7.324	ppbv	100
74) 1,2,4-Trimethylbenzene	16.77	105	3978545	7.326	ppbv	95
75) 1,3-Dichlorobenzene	17.00	146	2159047	7.325	ppbv	100
76) 1,4-Dichlorobenzene	17.14	146	2103846	6.873	ppbv	96
77) 1,2-Dichlorobenzene	17.82	146	2097544	7.173	ppbv	99
78) Hexachloro-1,3-Butadiene	23.38	225	1736400	7.268	ppbv	99
79) Naphthalene	22.20	128	3402785	10.571	ppbv	96
80) Naphthalene, 2-methyl-	24.98	142	1036212	17.385	ppbv	97
81) 1,2,4-Trichlorobenzene	21.93	180	1801903	9.175	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. 0.02 min

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ClientSampleId :

VSTDCCC010EC

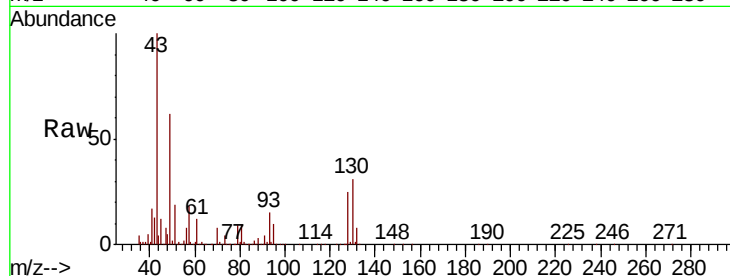
Tot Ion: 49 Resp: 1568252

Ion Ratio Lower Upper

49 100

128 43.1 20.8 62.5

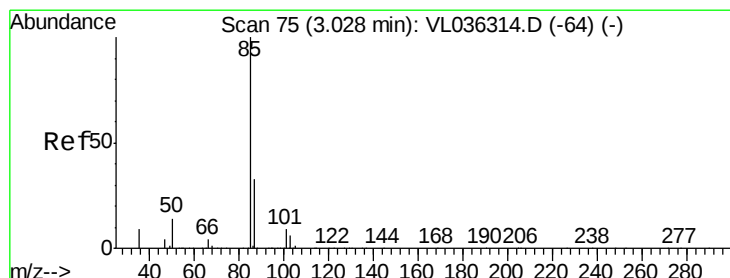
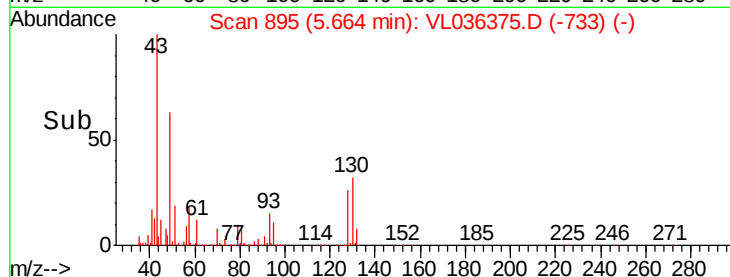
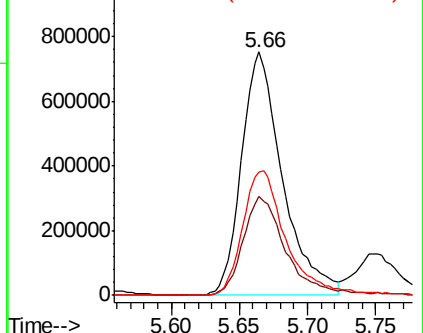
130 55.0 26.7 80.1



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: 9.251 ppbv

RT: 3.04 min Scan# 79

Delta R.T. 0.01 min

Lab File: VL036375.D

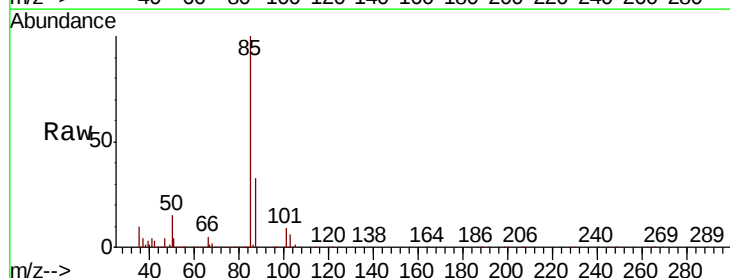
Acq: 25 Feb 2021 7:24

Tgt Ion: 85 Resp: 2165229

Ion Ratio Lower Upper

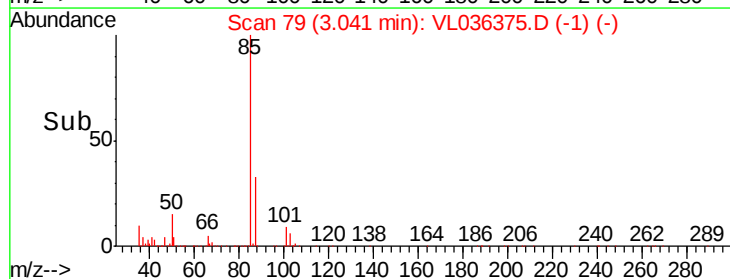
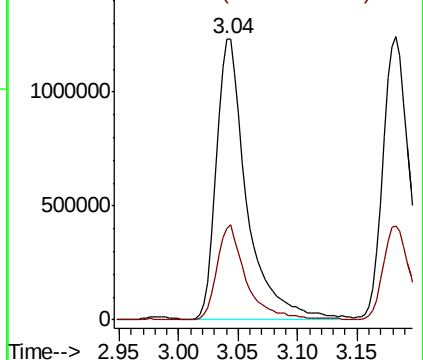
85 100

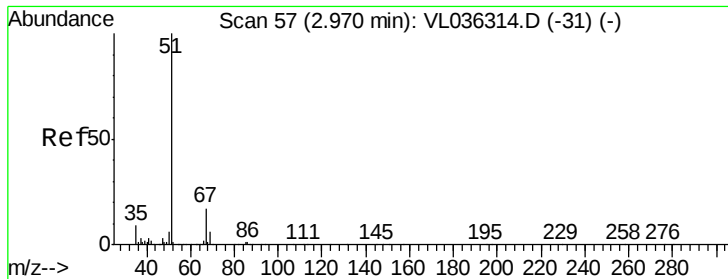
87 32.6 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.669 ppbv

RT: 2.98 min Scan# 61

Delta R.T. 0.01 min

Lab File: VL036375.D

Acq: 25 Feb 2021 7:24

Instrument :

MSVOA_L

ClientSampleId :

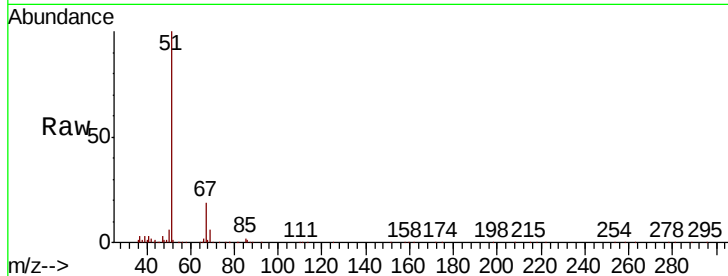
VSTDCCC010EC

Tot Ion: 51 Resp: 1884014

Ion Ratio Lower Upper

51 100

67 18.0 14.7 22.1



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

1200000

1000000

800000

600000

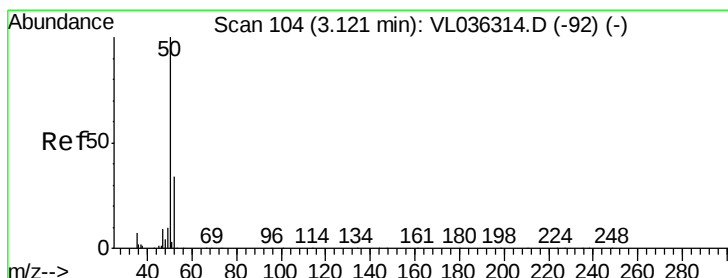
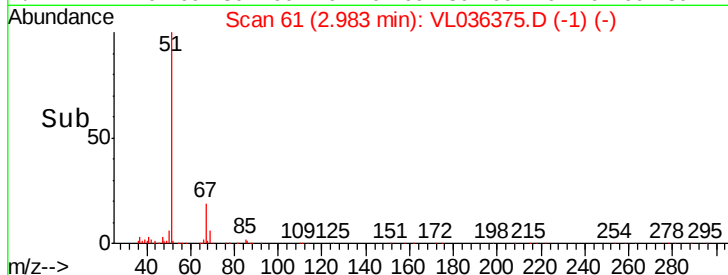
400000

200000

0

2.98

Time-->



#4

Chloromethane

Concen: 10.139 ppbv

RT: 3.13 min Scan# 108

Delta R.T. 0.01 min

Lab File: VL036375.D

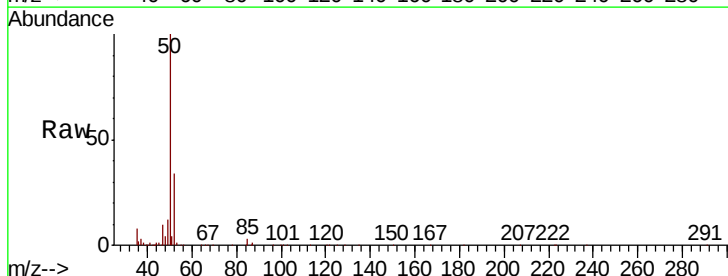
Acq: 25 Feb 2021 7:24

Tgt Ion: 50 Resp: 954430

Ion Ratio Lower Upper

50 100

52 34.6 27.0 40.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

600000

500000

400000

300000

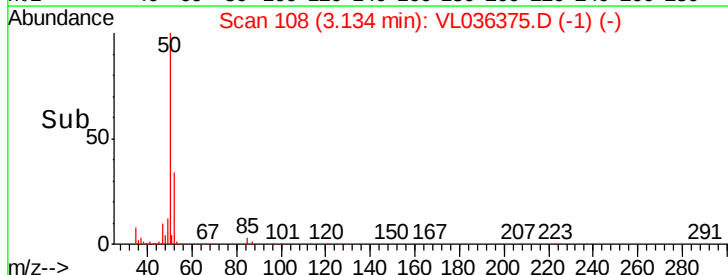
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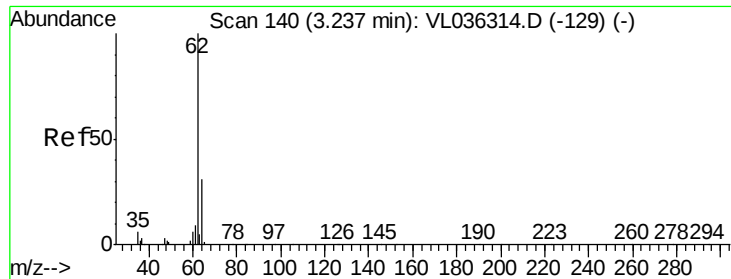
100000

0

3.13

Time-->





#5

Vinyl Chloride

Concen: 10.485 ppbv

RT: 3.25 min Scan# 145

Delta R.T. 0.02 min

Lab File: VL036375.D

Acq: 25 Feb 2021 7:24

Instrument :

MSVOA_L

ClientSampleId :

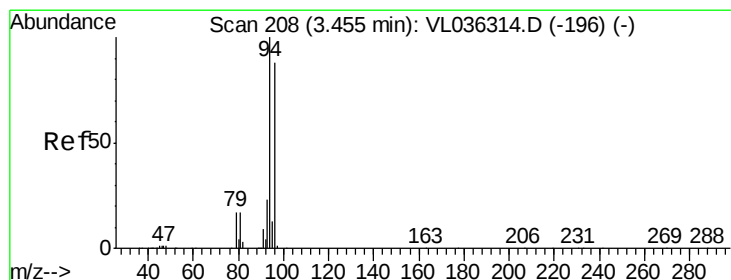
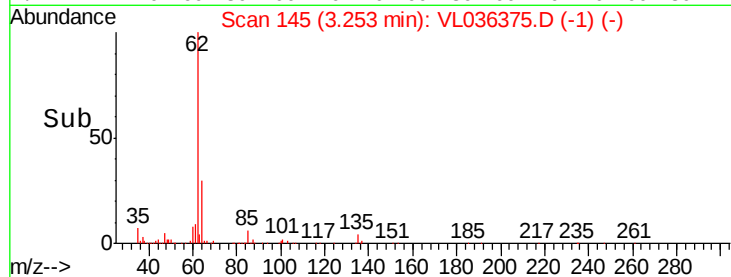
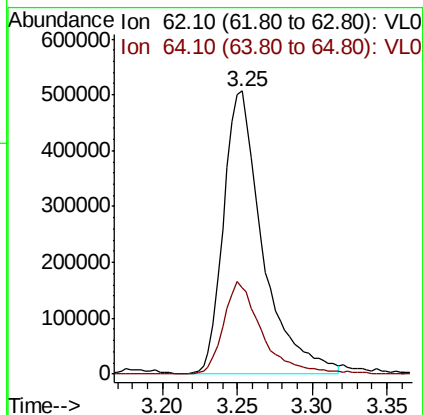
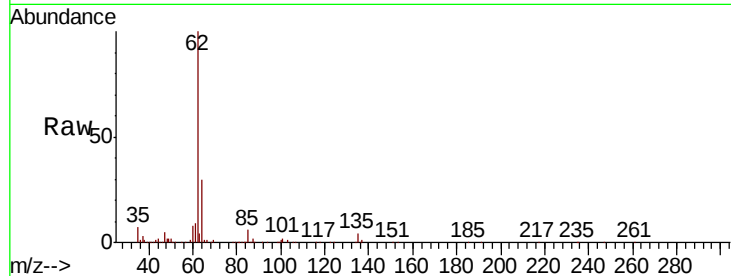
VSTDCCC010EC

Tot Ion: 62 Resp: 919106

Ion Ratio Lower Upper

62 100

64 30.5 24.4 36.6



#6

Bromomethane

Concen: 10.331 ppbv

RT: 3.47 min Scan# 212

Delta R.T. 0.01 min

Lab File: VL036375.D

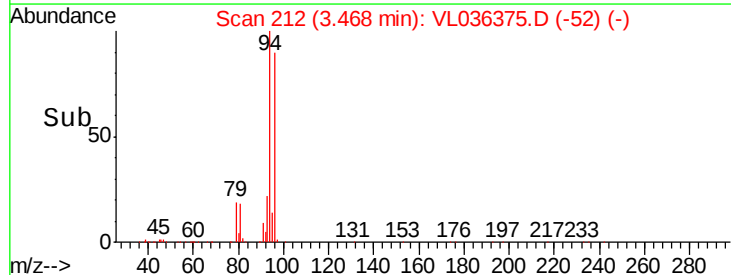
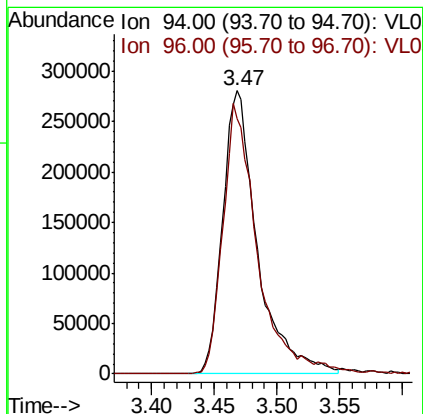
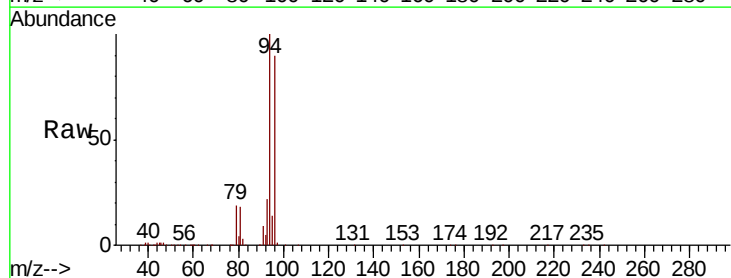
Acq: 25 Feb 2021 7:24

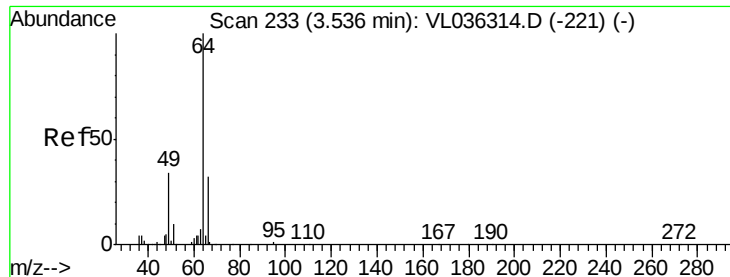
Tgt Ion: 94 Resp: 538299

Ion Ratio Lower Upper

94 100

96 90.2 70.8 106.2





#7

Chloroethane

Concen: 10.154 ppbv

RT: 3.55 min Scan# 238

Delta R.T. 0.02 min

Lab File: VL036375.D

Acq: 25 Feb 2021 7:24

Instrument :

MSVOA_L

ClientSampleId :

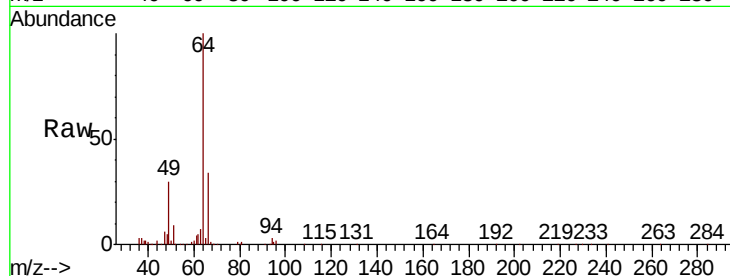
VSTDCCC010EC

Tot Ion: 64 Resp: 316053

Ion Ratio Lower Upper

64 100

66 33.5 25.6 38.4



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.55

200000

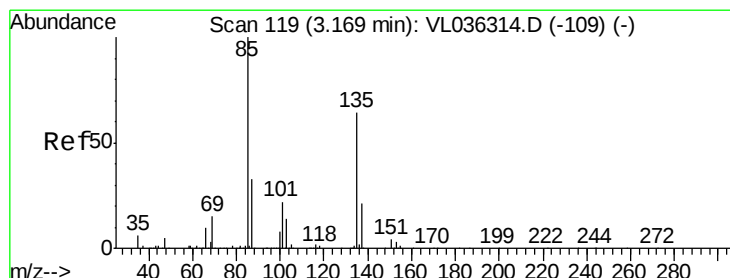
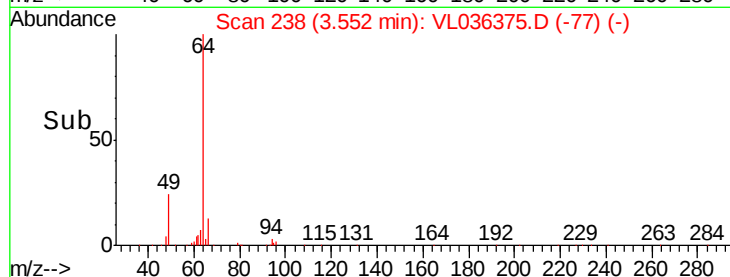
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 10.024 ppbv

RT: 3.18 min Scan# 123

Delta R.T. 0.01 min

Lab File: VL036375.D

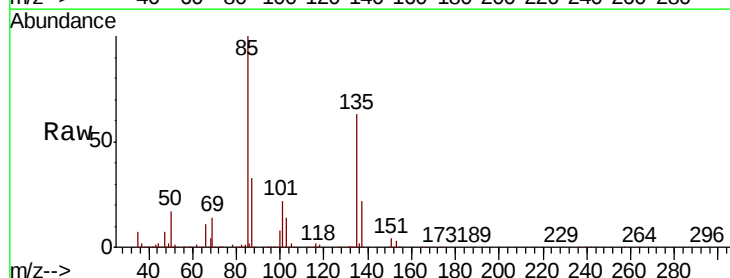
Acq: 25 Feb 2021 7:24

Tgt Ion: 85 Resp: 2133877

Ion Ratio Lower Upper

85 100

135 65.2 51.1 76.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

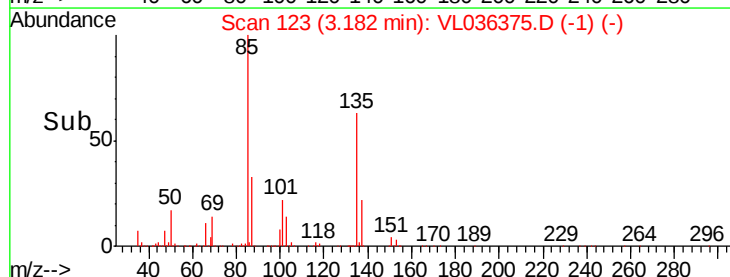
3.18

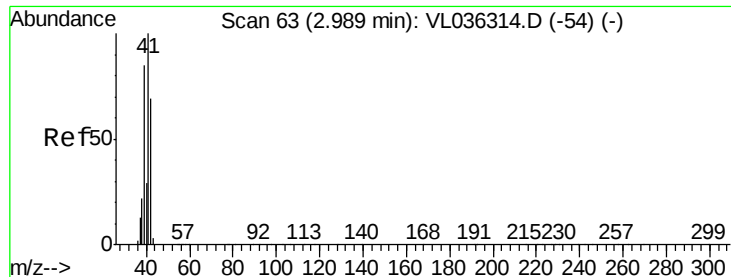
1000000

500000

0

Time-->





#9

Propene

Concen: 11.887 ppbv

RT: 3.00 min Scan# 67

Delta R.T. 0.01 min

Lab File: VL036375.D

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MSVOA_L

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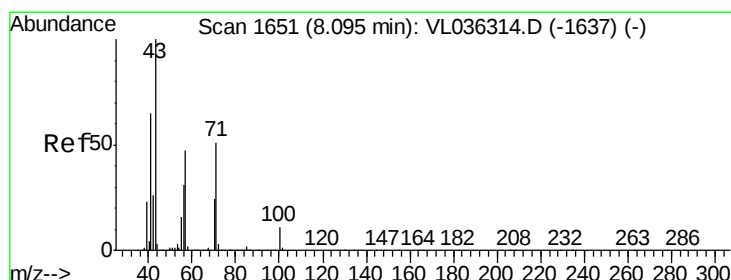
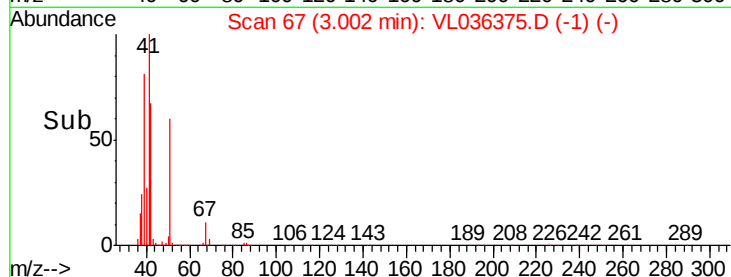
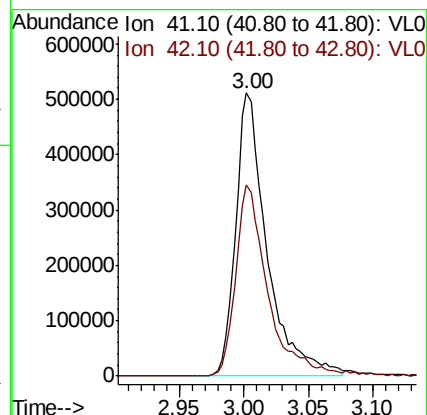
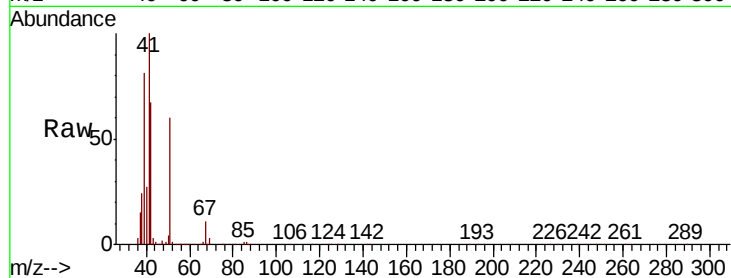
VSTDCCC010EC

Tot Ion: 41 Resp: 863570

Ion Ratio Lower Upper

41 100

42 70.1 56.2 84.2



#10

Heptane

Concen: 10.303 ppbv

RT: 8.12 min Scan# 1659

Delta R.T. 0.03 min

Lab File: VL036375.D

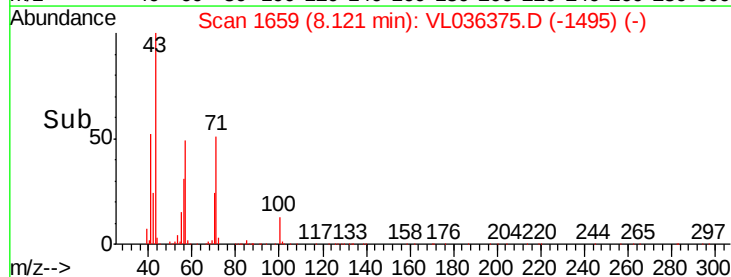
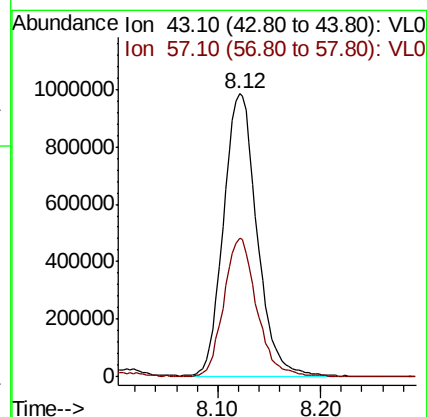
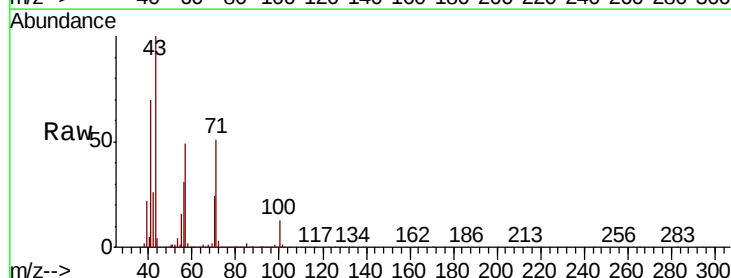
Acq: 25 Feb 2021 7:24

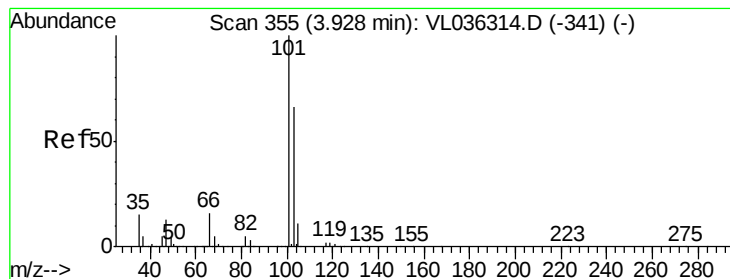
Tgt Ion: 43 Resp: 2205853

Ion Ratio Lower Upper

43 100

57 48.6 39.4 59.2





#11

Trichlorofluoromethane

Concen: 9.819 ppbv

RT: 3.94 min Scan# 360

Delta R.T. 0.02 min

Lab File: VL036375.D

Acq: 25 Feb 2021 7:24

Instrument :

MSVOA_L

ClientSampleId :

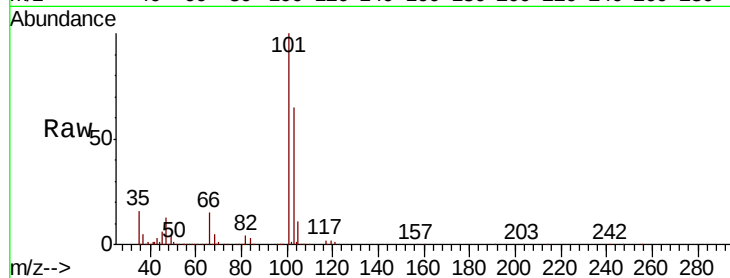
VSTDCCC010EC

Tot Ion:101 Resp: 2250331

Ion Ratio Lower Upper

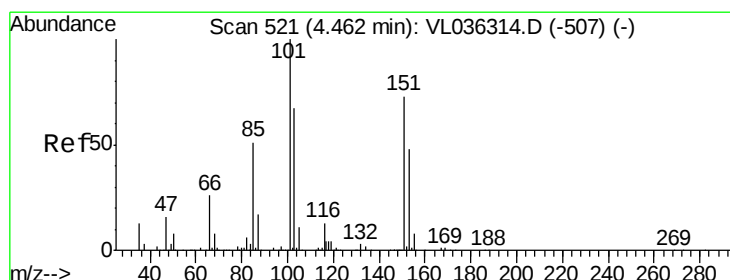
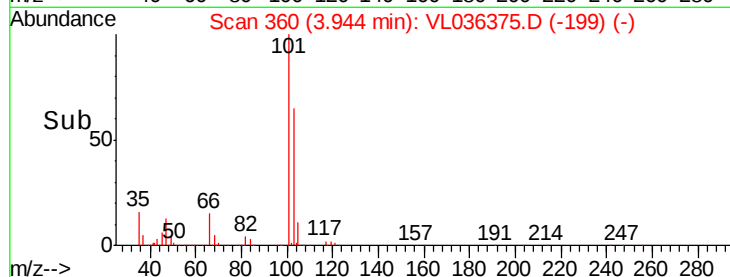
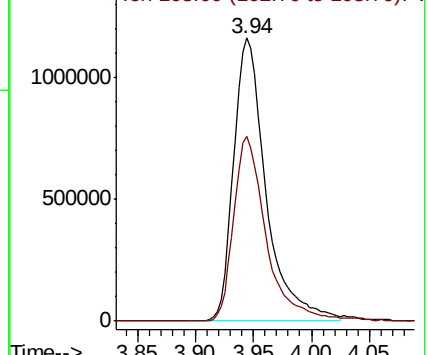
101 100

103 65.1 52.9 79.3



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: 10.100 ppbv

RT: 4.48 min Scan# 527

Delta R.T. 0.02 min

Lab File: VL036375.D

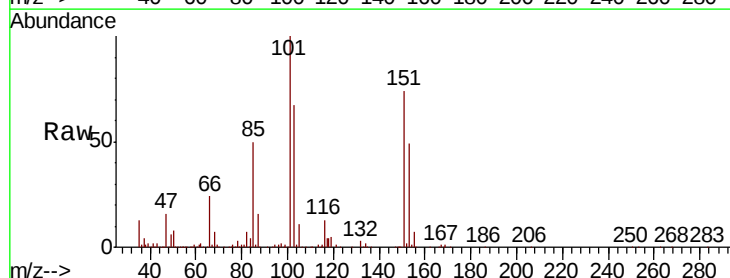
Acq: 25 Feb 2021 7:24

Tgt Ion:101 Resp: 1433902

Ion Ratio Lower Upper

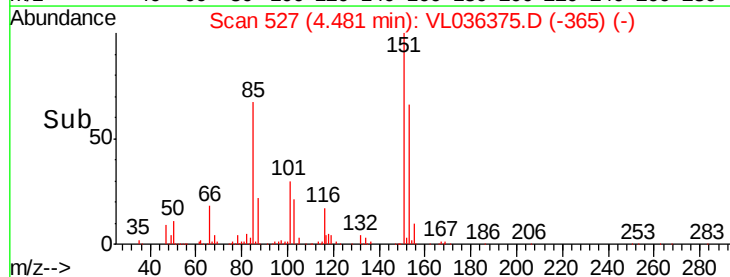
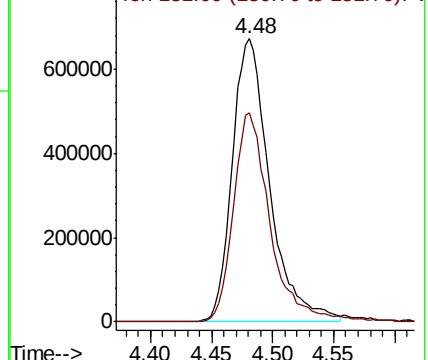
101 100

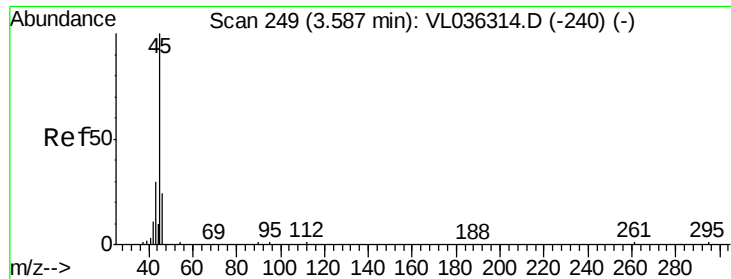
151 73.0 58.2 87.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 6.248 ppbv

RT: 3.60 min Scan# 254

Delta R.T. 0.02 min

Lab File: VL036375.D

Acq: 25 Feb 2021 7:24

Instrument :

MSVOA_L

ClientSampleId :

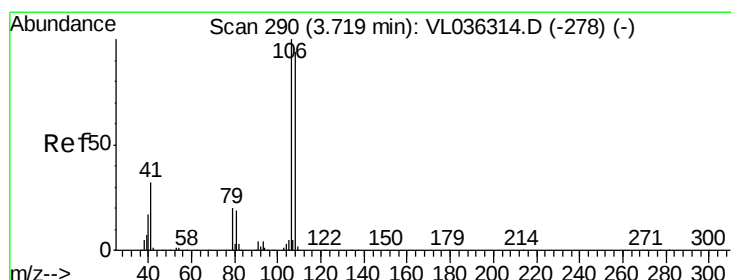
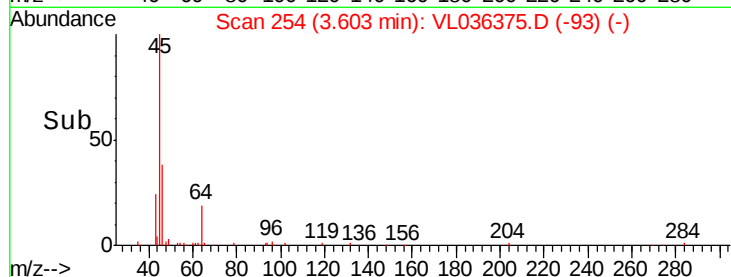
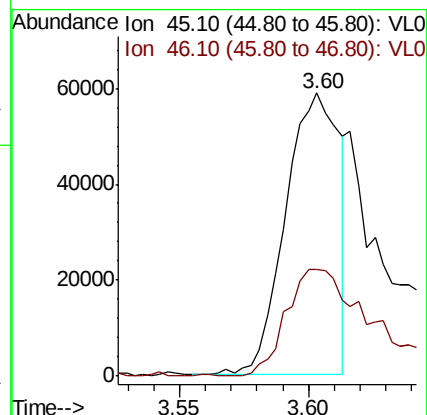
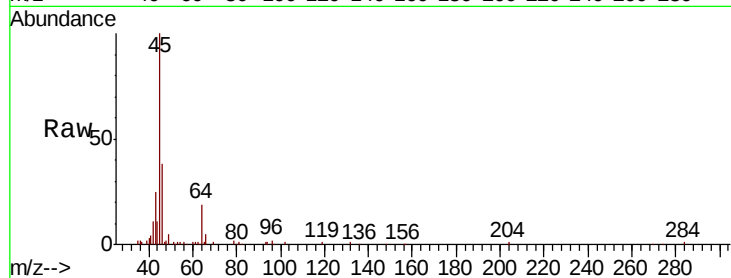
VSTDCCC010EC

Tot Ion: 45 Resp: 85264

Ion Ratio Lower Upper

45 100

46 70.6 17.7 70.7



#14

Bromoethene

Concen: 10.414 ppbv

RT: 3.74 min Scan# 295

Delta R.T. 0.02 min

Lab File: VL036375.D

Acq: 25 Feb 2021 7:24

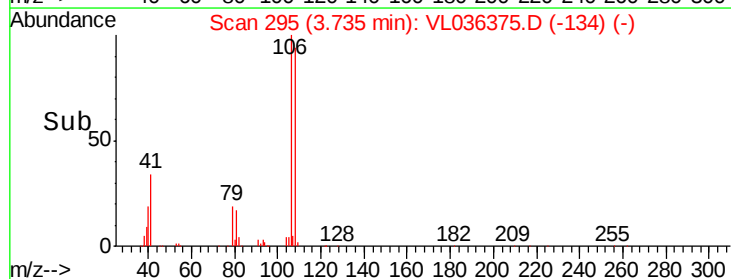
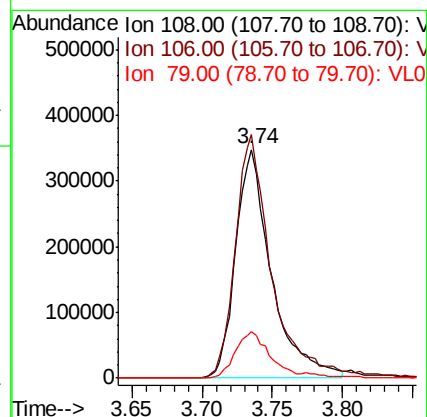
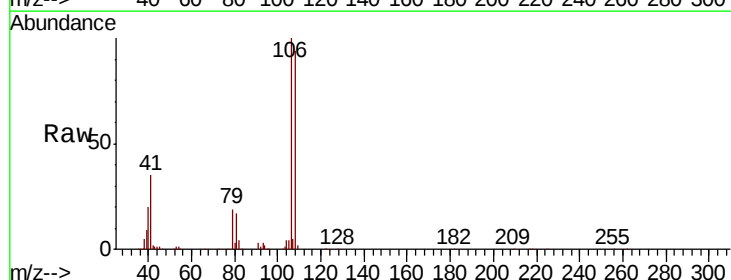
Tgt Ion: 108 Resp: 618752

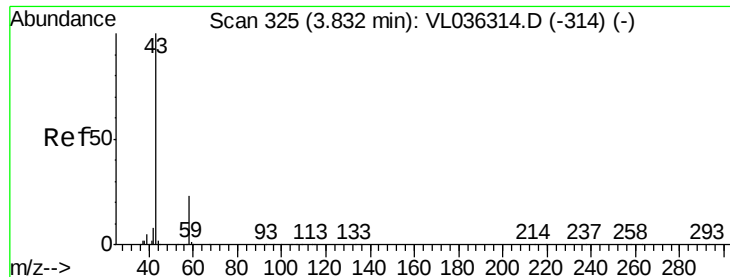
Ion Ratio Lower Upper

108 100

106 109.4 89.8 134.8

79 21.5 17.1 25.7

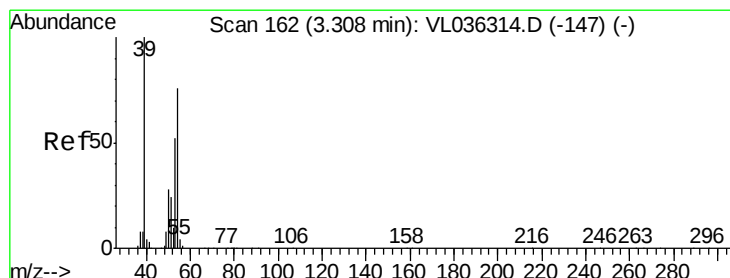
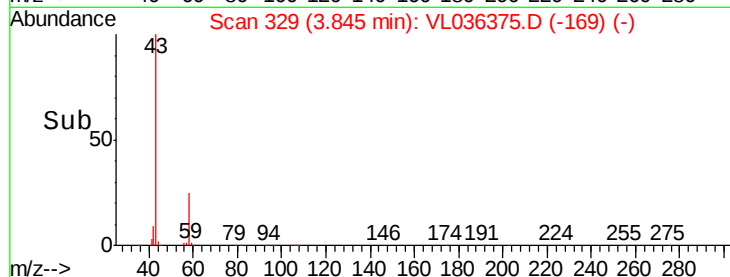
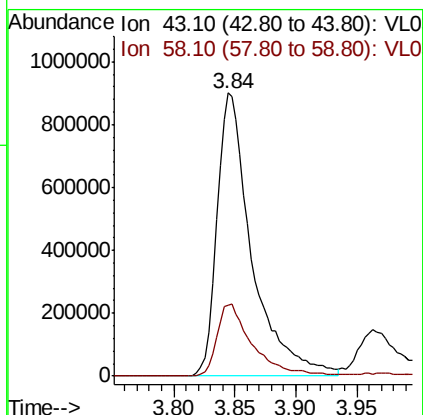
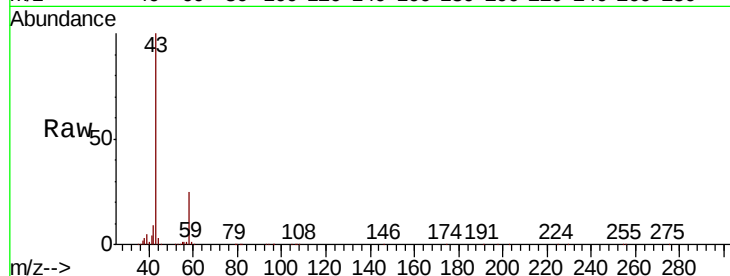




#15
Acetone
Concen: 9.383 ppbv
RT: 3.84 min Scan# 329
Delta R.T. 0.01 min
Lab File: VL036375.D
Acq: 25 Feb 2021 7:24

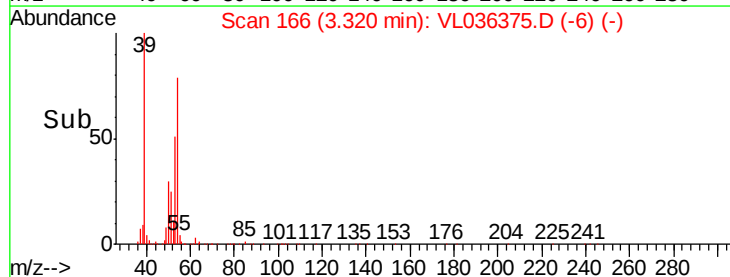
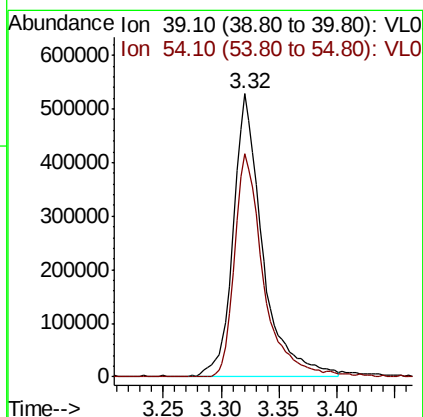
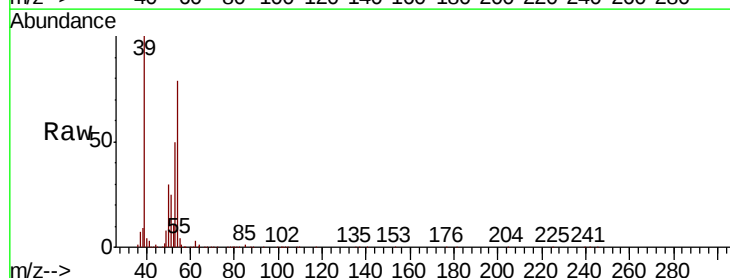
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

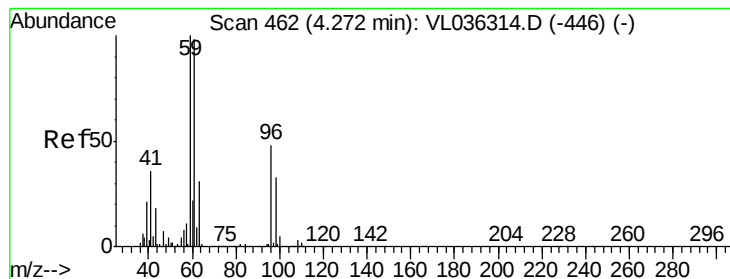
Tot Ion: 43 Resp: 1798792
Ion Ratio Lower Upper
43 100
58 26.2 20.3 30.5



#16
1,3-Butadiene
Concen: 10.015 ppbv
RT: 3.32 min Scan# 166
Delta R.T. 0.01 min
Lab File: VL036375.D
Acq: 25 Feb 2021 7:24

Tgt Ion: 39 Resp: 918086
Ion Ratio Lower Upper
39 100
54 78.9 64.4 96.6



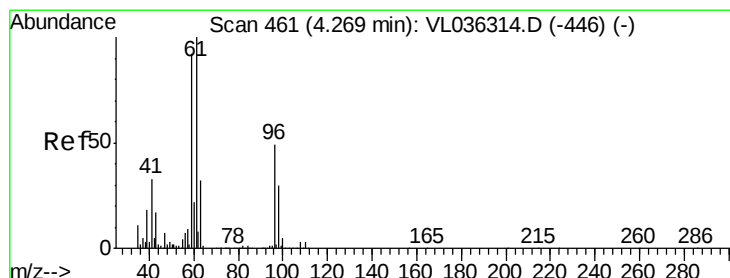
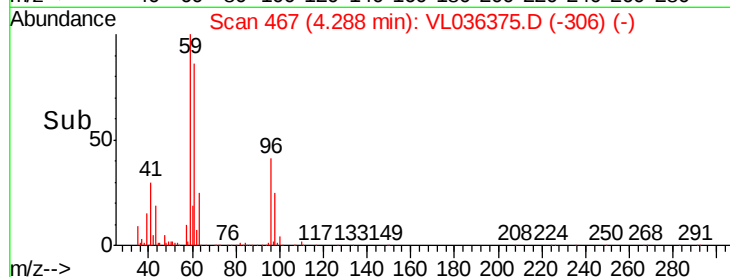
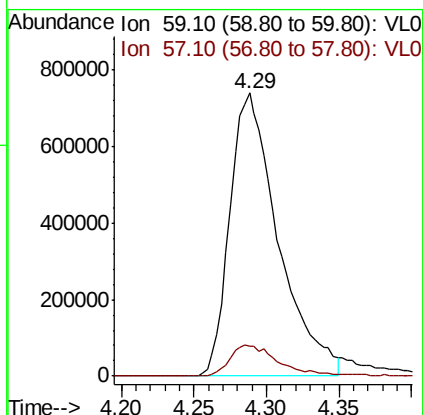
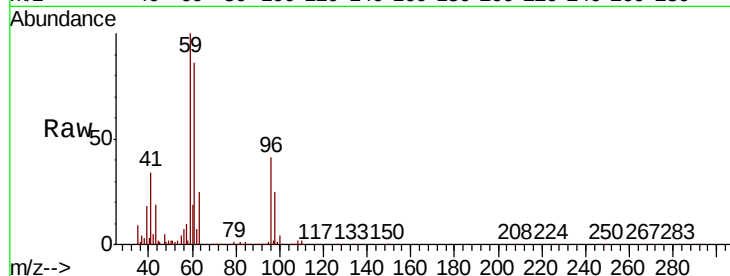


#17

tert-Butyl alcohol
 Concen: 11.514 ppbv
 RT: 4.29 min Scan# 467
 Delta R.T. 0.02 min
 Lab File: VL036375.D
 Acq: 25 Feb 2021 7:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

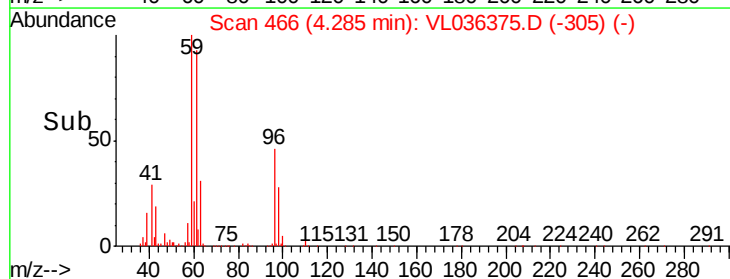
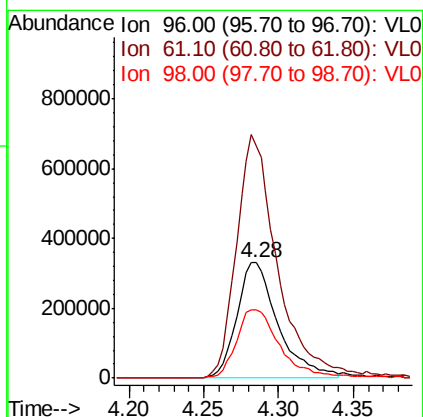
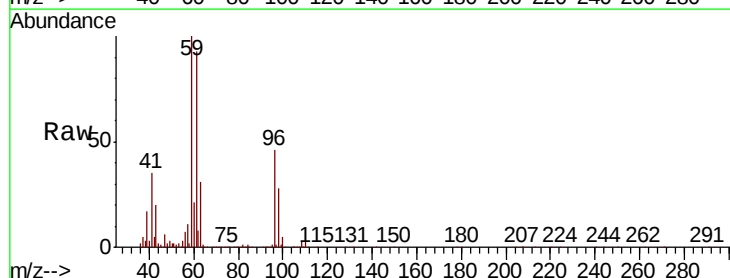
Tot Ion: 59 Resp: 1713414
 Ion Ratio Lower Upper
 59 100
 57 11.3 9.0 13.4

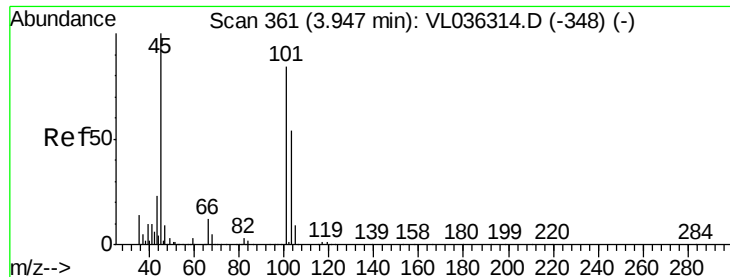


#18

1,1-Dichloroethene
 Concen: 9.843 ppbv
 RT: 4.28 min Scan# 466
 Delta R.T. 0.02 min
 Lab File: VL036375.D
 Acq: 25 Feb 2021 7:24

Tgt Ion: 96 Resp: 635067
 Ion Ratio Lower Upper
 96 100
 61 200.8 162.5 243.7
 98 59.2 48.5 72.7



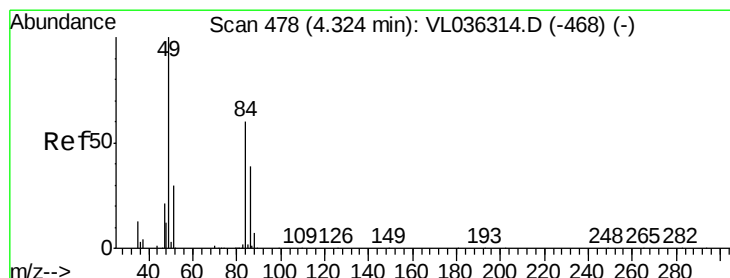
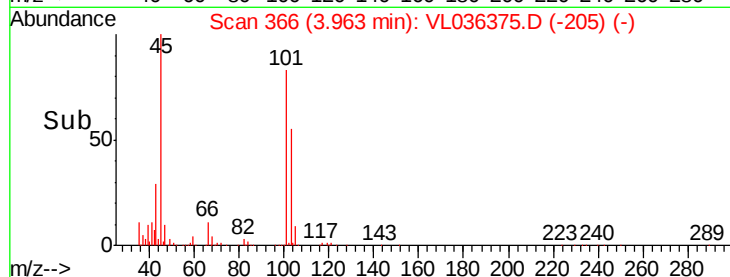
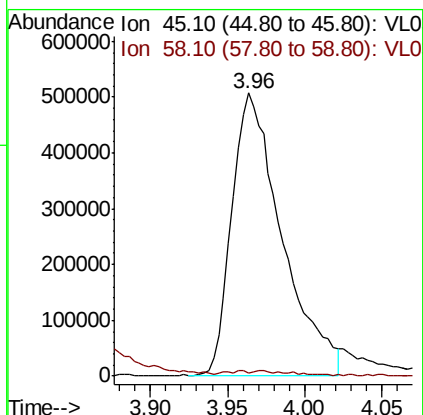
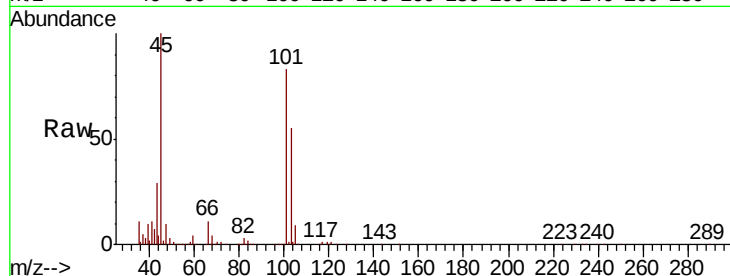


#19

Isopropyl Alcohol
 Concen: 10.738 ppbv
 RT: 3.96 min Scan# 366
 Delta R.T. 0.02 min
 Lab File: VL036375.D
 Acq: 25 Feb 2021 7:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

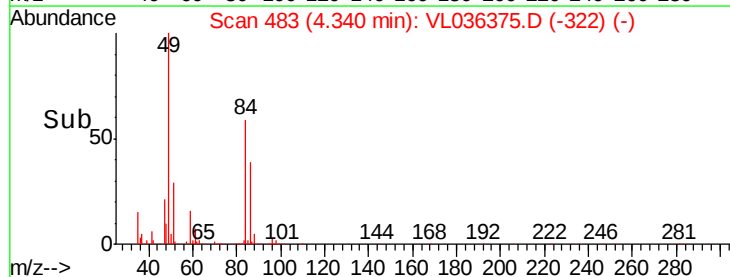
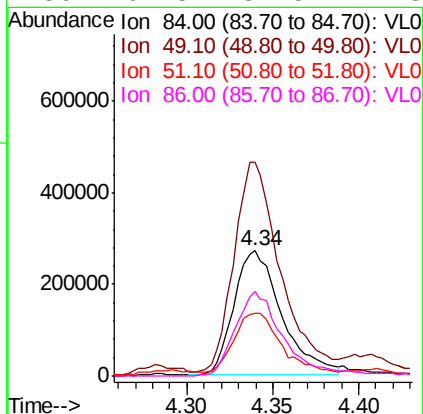
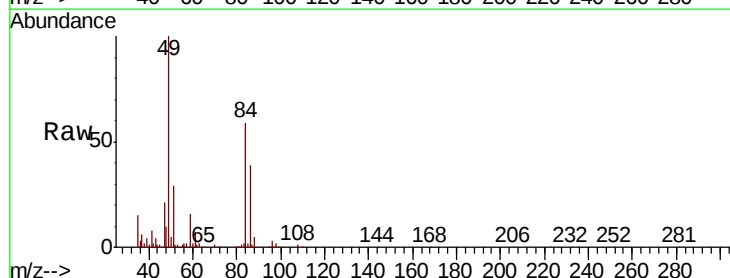
Tot Ion: 45 Resp: 1140492
 Ion Ratio Lower Upper
 45 100
 58 2.4 1.9 2.9

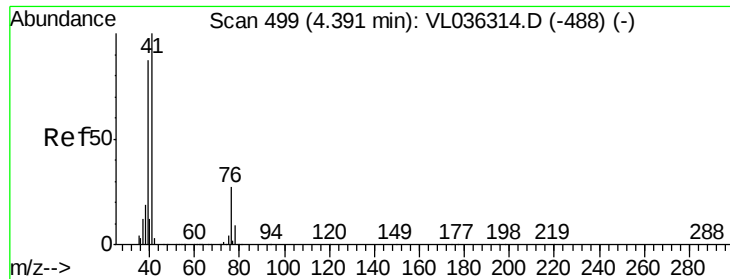


#20

Methylene Chloride
 Concen: 8.506 ppbv
 RT: 4.34 min Scan# 483
 Delta R.T. 0.02 min
 Lab File: VL036375.D
 Acq: 25 Feb 2021 7:24

Tgt Ion: 84 Resp: 526076
 Ion Ratio Lower Upper
 84 100
 49 168.7 133.8 200.8
 51 47.1 41.4 62.0
 86 67.5 51.5 77.3

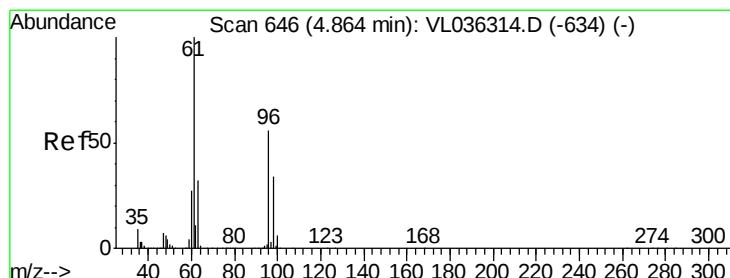
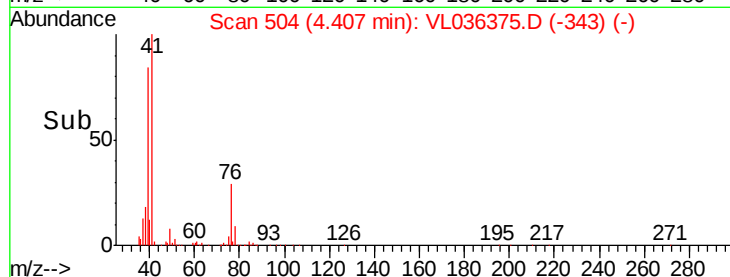
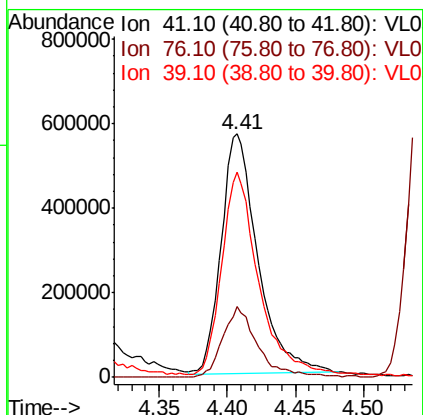
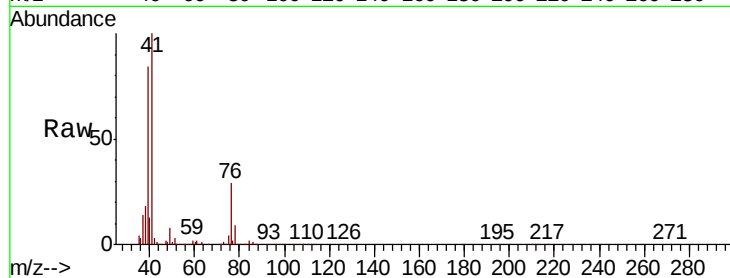




#21
Allvl Chloride
Concen: 9.930 ppbv
RT: 4.41 min Scan# 504
Delta R.T. 0.02 min
Lab File: VL036375.D
Acq: 25 Feb 2021 7:24

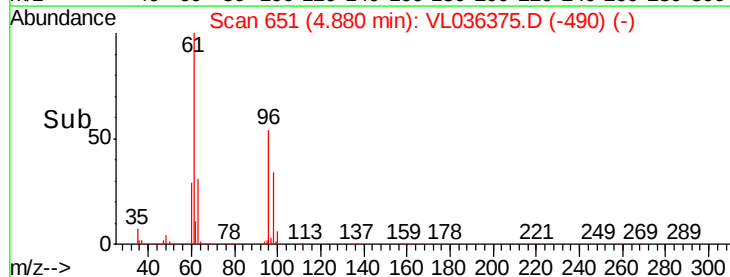
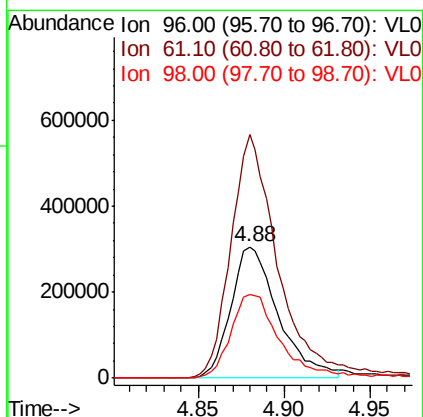
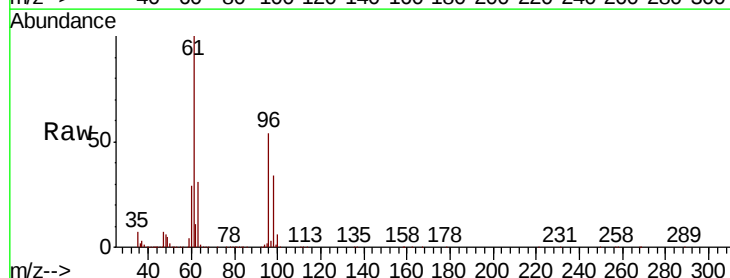
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

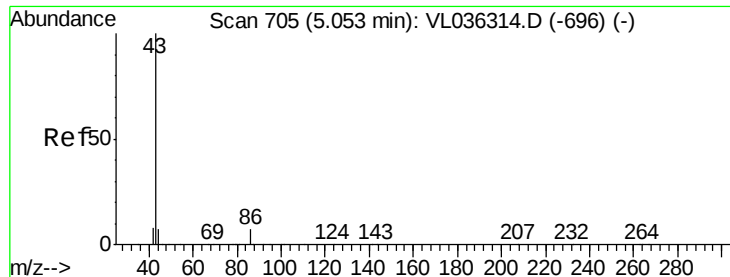
Tot Ion: 41 Resp: 1059800
Ion Ratio Lower Upper
41 100
76 28.2 22.0 33.0
39 86.5 70.2 105.2



#22
trans-1,2-Dichloroethene
Concen: 10.022 ppbv
RT: 4.88 min Scan# 651
Delta R.T. 0.02 min
Lab File: VL036375.D
Acq: 25 Feb 2021 7:24

Tgt Ion: 96 Resp: 587320
Ion Ratio Lower Upper
96 100
61 185.3 143.7 215.5
98 63.6 48.5 72.7





#23

Vinyl Acetate

Concen: 10.141 ppbv

RT: 5.07 min Scan# 710

Delta R.T. 0.02 min

Lab File: VL036375.D

Acq: 25 Feb 2021 7:24

Instrument :

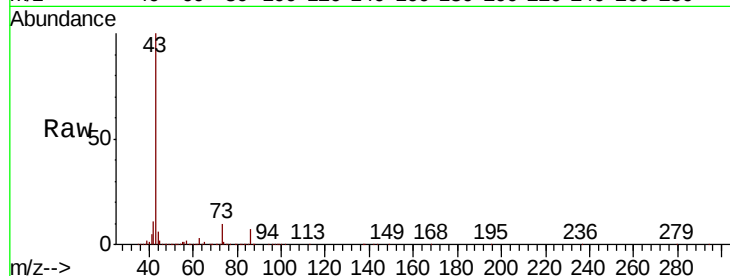
MSVOA_L

ClientSampleId :

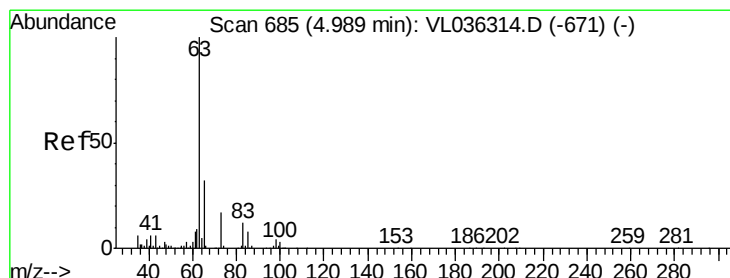
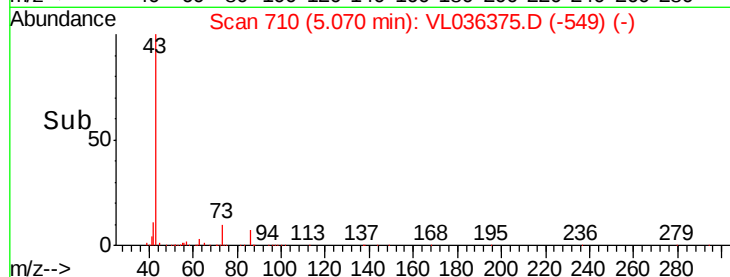
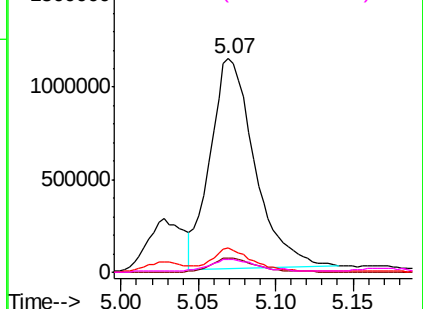
VSTDCCC010EC

Tot Ion: 43 Resp: 2285864

Ion	Ratio	Lower	Upper
43	100		
86	6.8	4.8	7.2
42	11.0	7.4	11.0#
44	5.7	4.8	7.2



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: 10.280 ppbv

RT: 5.01 min Scan# 691

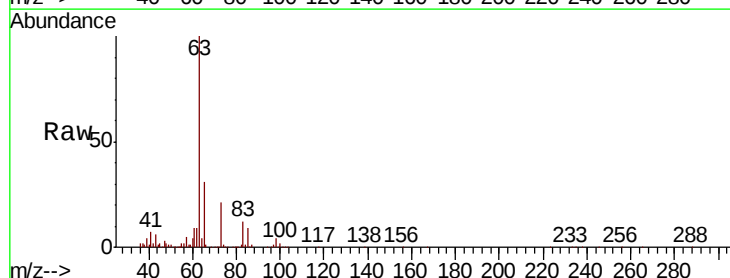
Delta R.T. 0.02 min

Lab File: VL036375.D

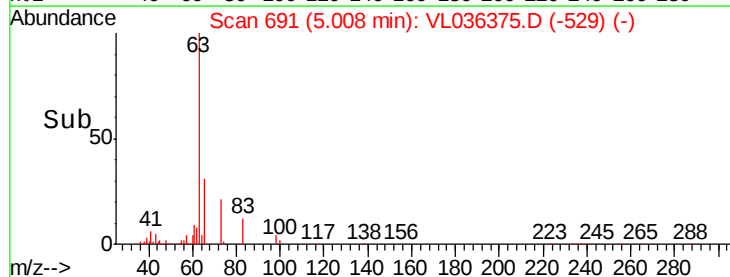
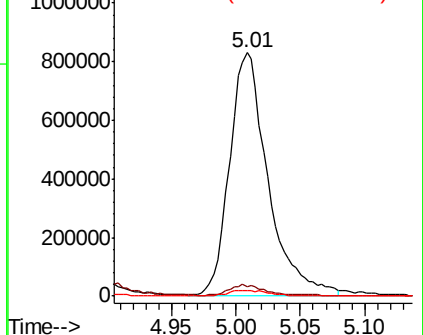
Acq: 25 Feb 2021 7:24

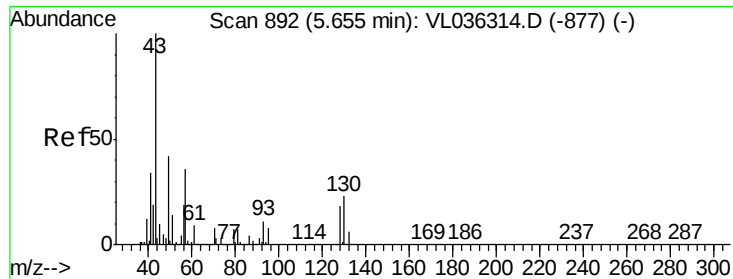
Tgt Ion: 63 Resp: 1713682

Ion	Ratio	Lower	Upper
63	100		
98	3.7	2.0	6.0
100	2.3	1.5	4.4



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



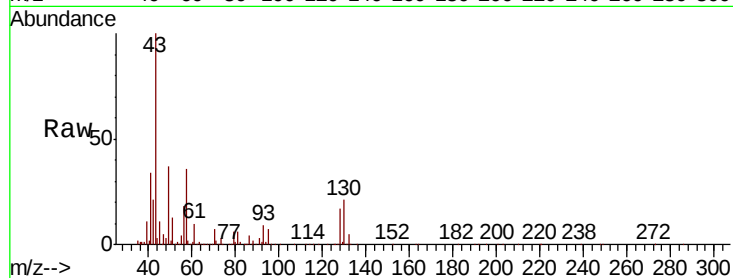


#25
Ethyl Acetate
Concen: 10.041 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.02 min
Lab File: VL036375.D
Acq: 25 Feb 2021 7:24

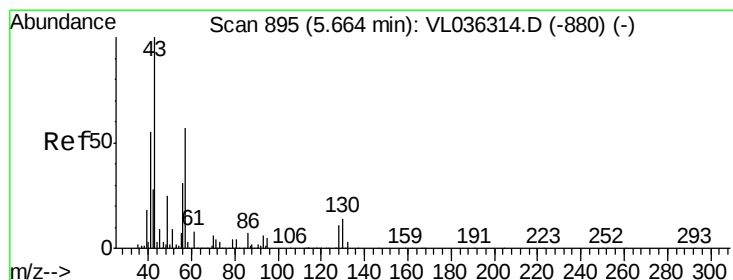
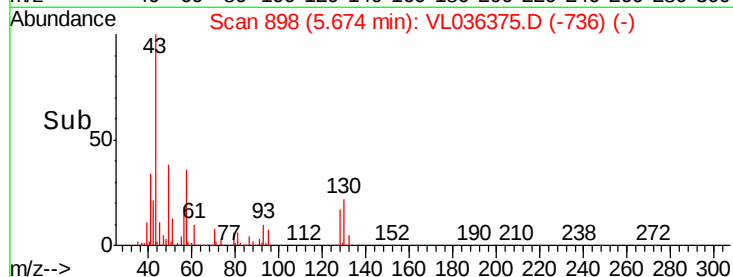
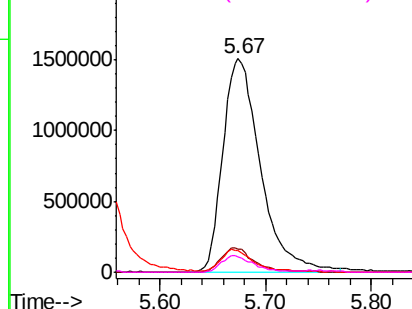
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 3716053

Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.3	12.5
61	9.9	7.3	10.9
70	6.7	5.4	8.0



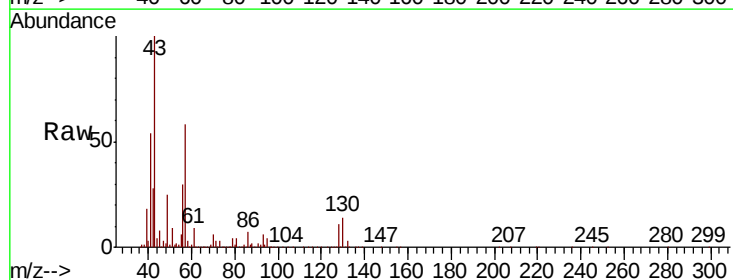
Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0



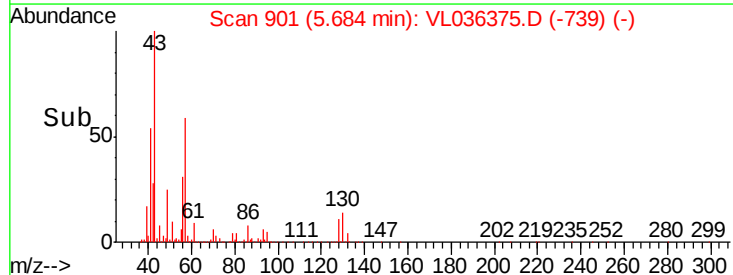
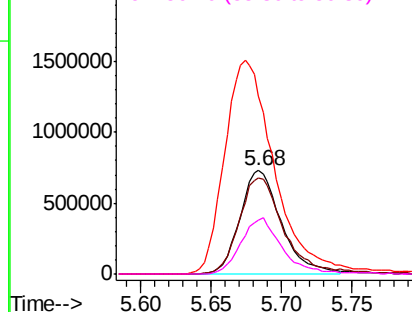
#26
Hexane
Concen: 9.836 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.02 min
Lab File: VL036375.D
Acq: 25 Feb 2021 7:24

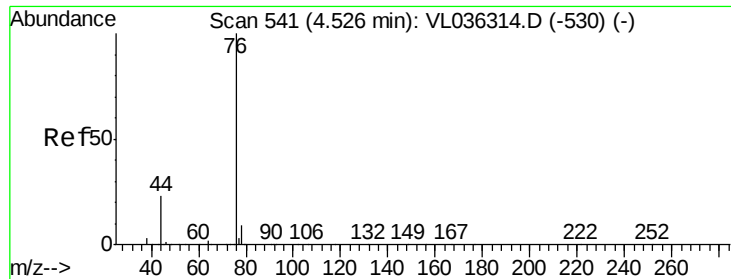
Tgt Ion: 57 Resp: 1495589

Ion	Ratio	Lower	Upper
57	100		
41	101.4	81.7	122.5
43	251.4	199.1	298.7
56	54.8	44.0	66.0



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 10.834 ppbv

RT: 4.55 min Scan# 547

Delta R.T. 0.02 min

Lab File: VL036375.D

Acq: 25 Feb 2021 7:24

Instrument :

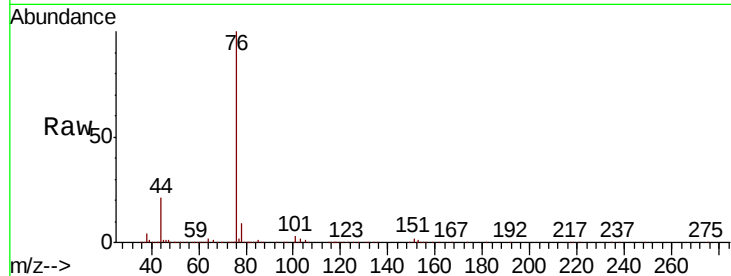
MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 76 Resp: 1514115

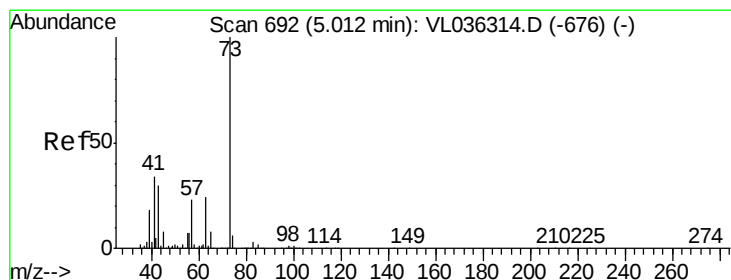
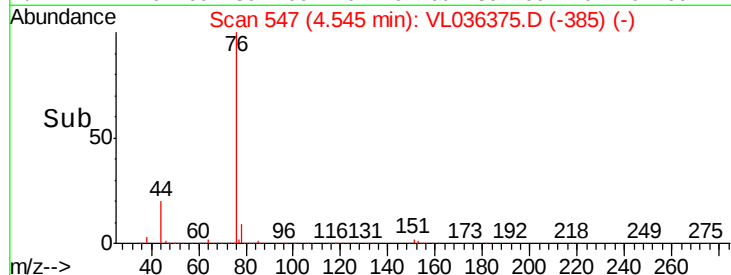
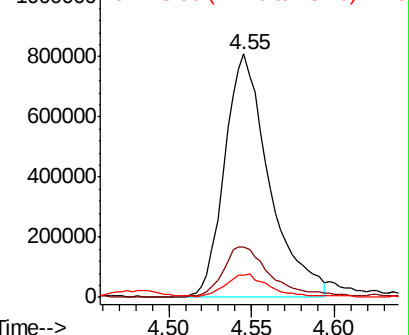
Ion	Ratio	Lower	Upper
76	100		
44	22.1	18.4	27.6
78	9.9	8.0	12.0



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 10.588 ppbv

RT: 5.03 min Scan# 697

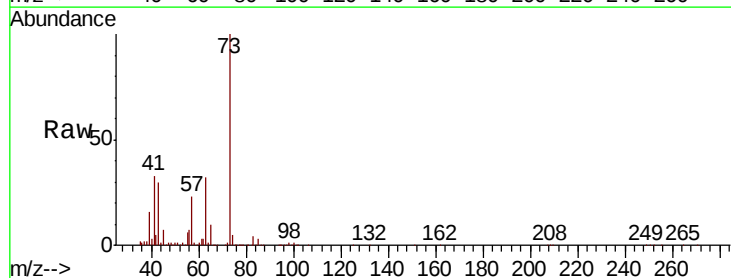
Delta R.T. 0.02 min

Lab File: VL036375.D

Acq: 25 Feb 2021 7:24

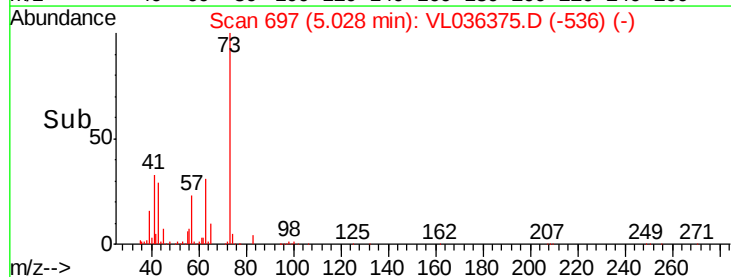
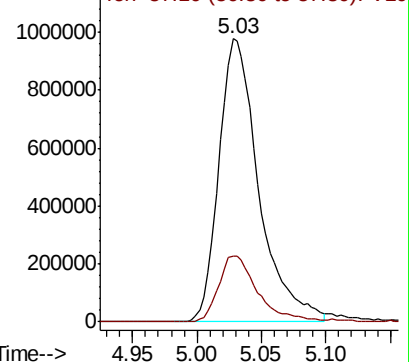
Tgt Ion: 73 Resp: 2103202

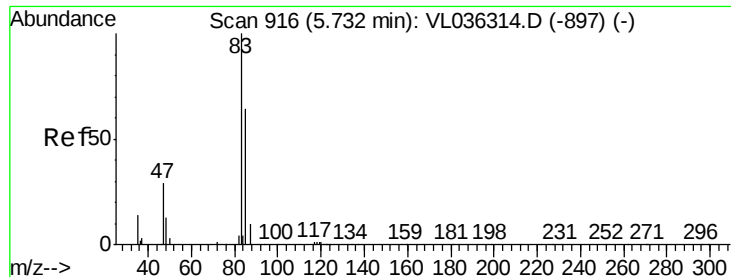
Ion	Ratio	Lower	Upper
73	100		
57	23.2	19.2	28.8



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 9.905 ppbv

RT: 5.75 min Scan# 922

Delta R.T. 0.02 min

Lab File: VL036375.D

Acq: 25 Feb 2021 7:24

Instrument :

MSVOA_L

ClientSampleId :

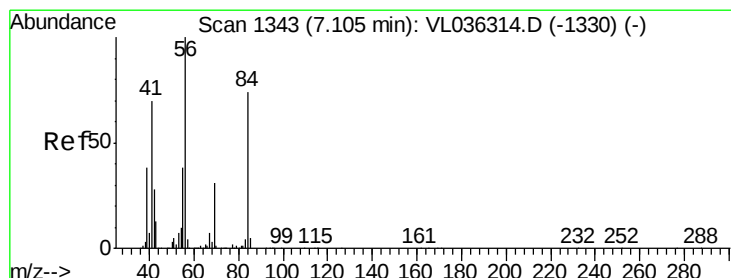
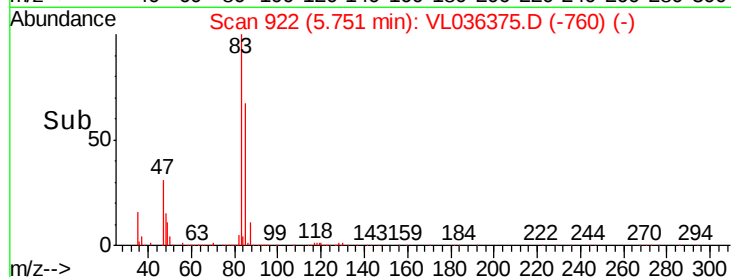
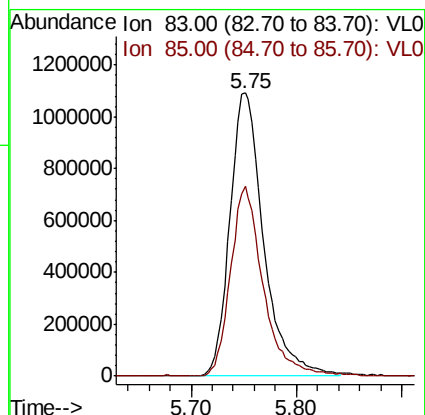
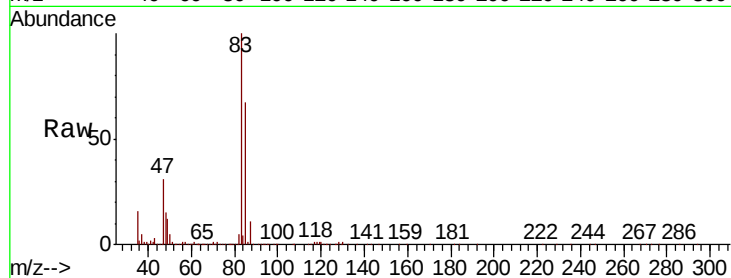
VSTDCCC010EC

Tot Ion: 83 Resp: 2426477

Ion Ratio Lower Upper

83 100

85 66.8 51.4 77.2



#30

Cyclohexane

Concen: 9.959 ppbv

RT: 7.13 min Scan# 1350

Delta R.T. 0.02 min

Lab File: VL036375.D

Acq: 25 Feb 2021 7:24

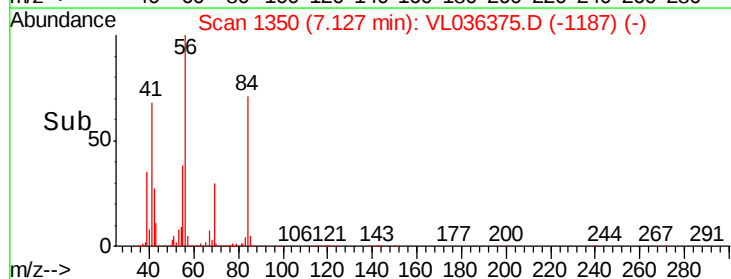
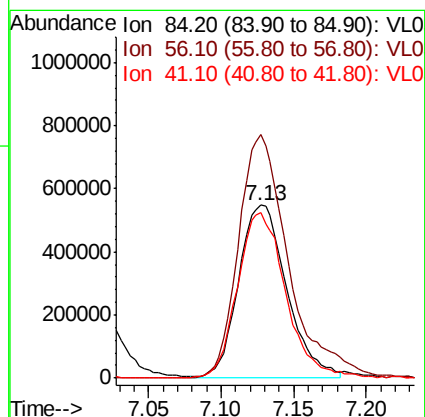
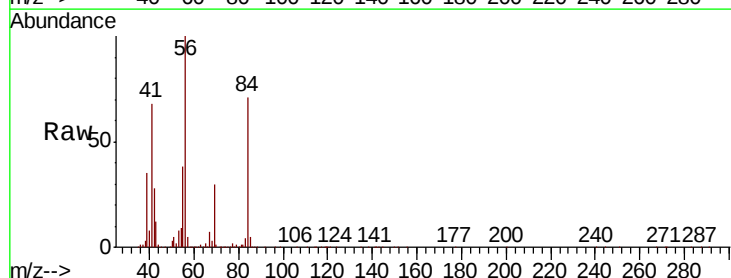
Tgt Ion: 84 Resp: 1259465

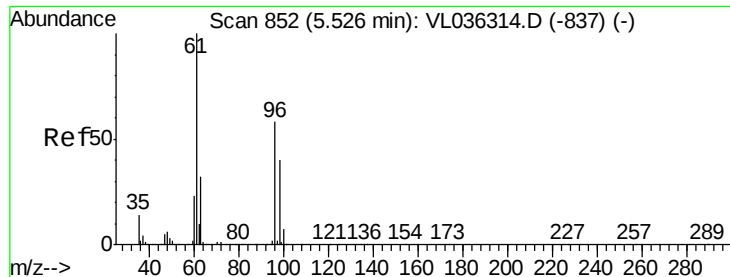
Ion Ratio Lower Upper

84 100

56 148.6 120.2 180.4

41 96.4 79.7 119.5

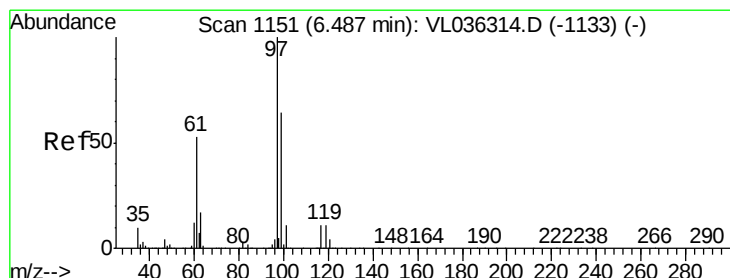
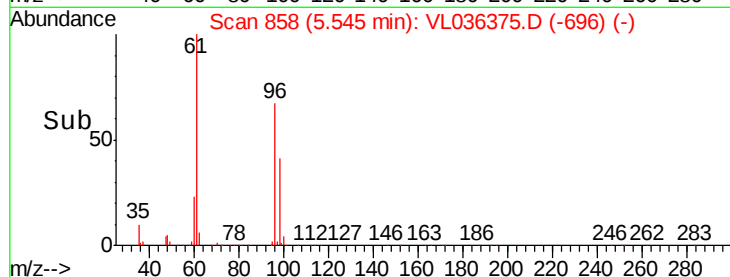
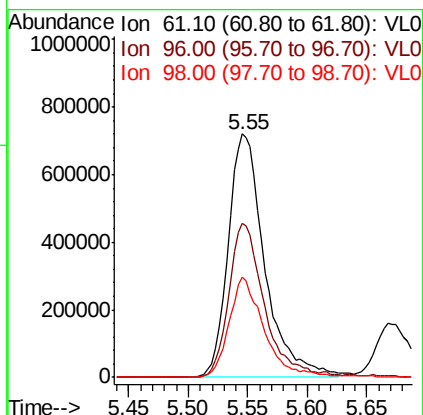
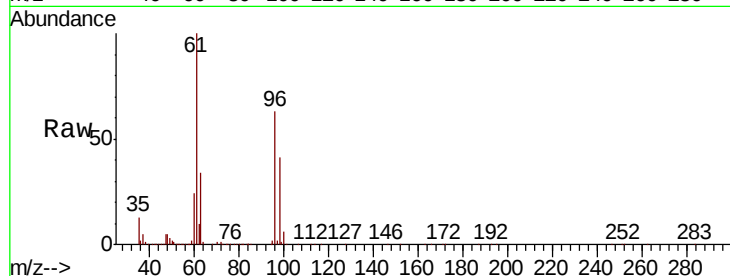




#31
 cis-1,2-Dichloroethene
 Concen: 10.129 ppbv
 RT: 5.55 min Scan# 858
 Delta R.T. 0.02 min
 Lab File: VL036375.D
 Acq: 25 Feb 2021 7:24

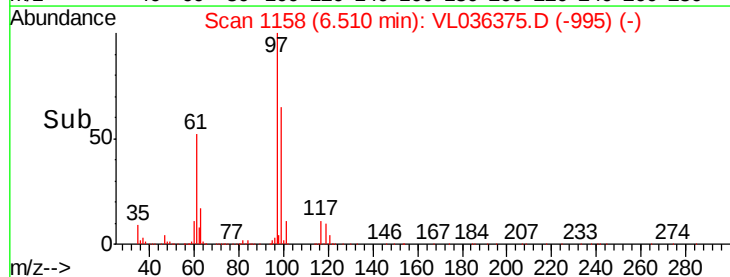
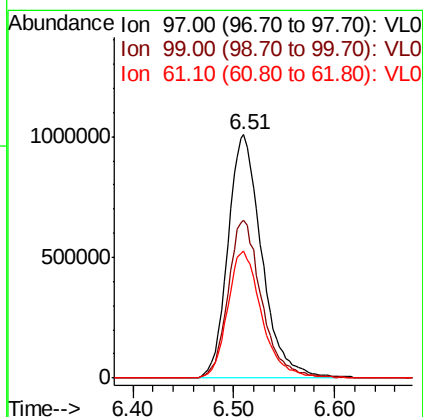
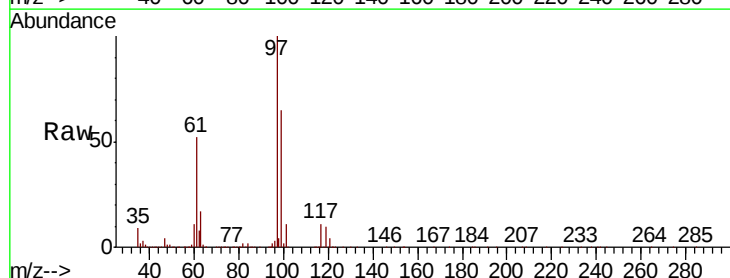
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

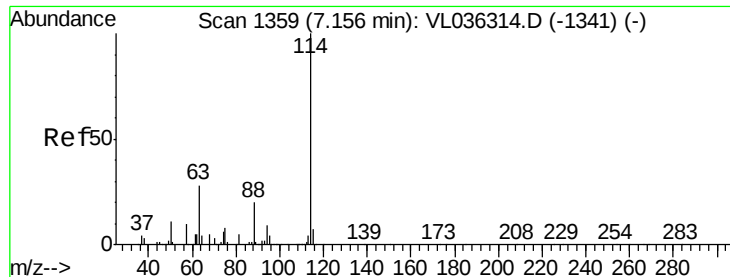
Tot Ion: 61 Resp: 1524033
 Ion Ratio Lower Upper
 61 100
 96 63.5 46.0 69.0
 98 41.4 31.9 47.9



#32
 1,1,1-Trichloroethane
 Concen: 10.293 ppbv
 RT: 6.51 min Scan# 1158
 Delta R.T. 0.02 min
 Lab File: VL036375.D
 Acq: 25 Feb 2021 7:24

Tgt Ion: 97 Resp: 2357368
 Ion Ratio Lower Upper
 97 100
 99 64.6 52.2 78.4
 61 52.2 43.3 64.9

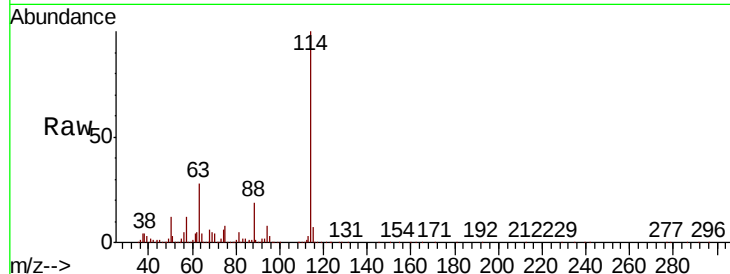




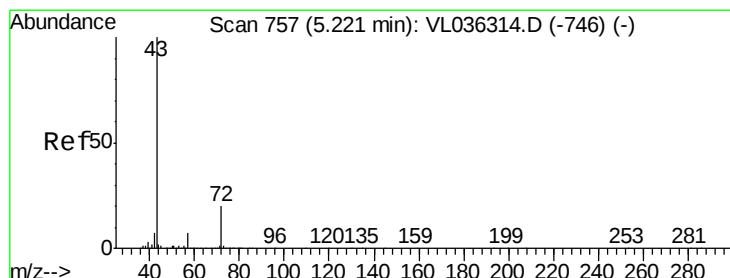
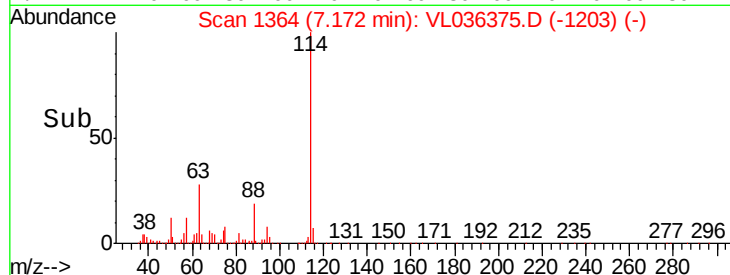
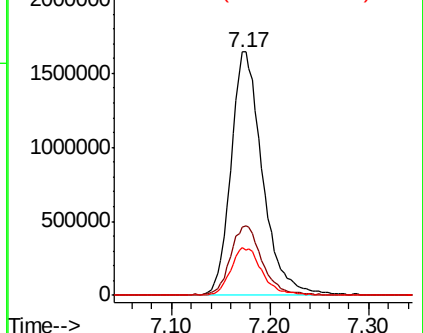
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. 0.02 min
 Lab File: VL036375.D
 Acq: 25 Feb 2021 7:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:114 Resp: 3659589
 Ion Ratio Lower Upper
 114 100
 63 29.5 24.1 36.1
 88 19.6 16.0 24.0

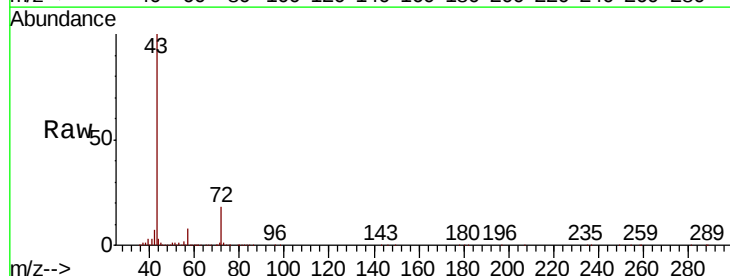


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

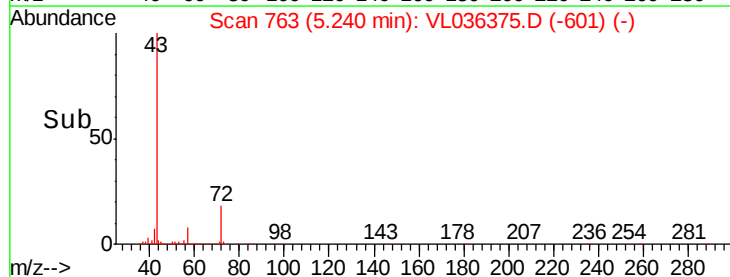
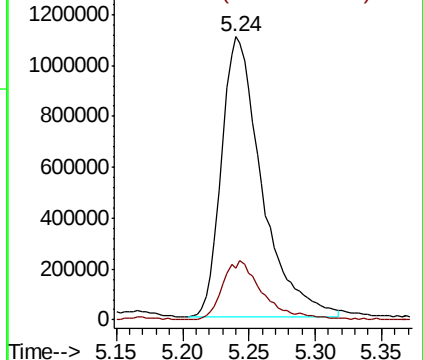


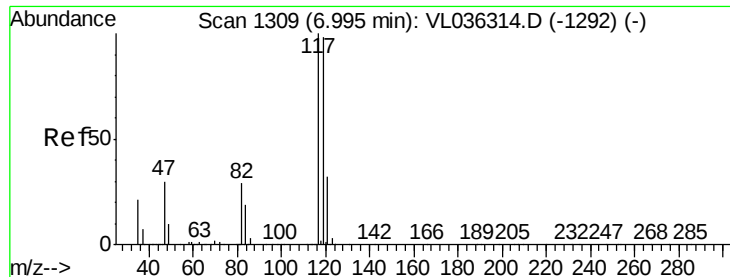
#34
 2-Butanone
 Concen: 9.656 ppbv
 RT: 5.24 min Scan# 763
 Delta R.T. 0.02 min
 Lab File: VL036375.D
 Acq: 25 Feb 2021 7:24

Tgt Ion: 43 Resp: 2347964
 Ion Ratio Lower Upper
 43 100
 72 21.4 16.7 25.1



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





#35

Carbon Tetrachloride

Concen: 9.782 ppbv

RT: 7.01 min Scan# 1315

Delta R.T. 0.02 min

Lab File: VL036375.D

Acq: 25 Feb 2021 7:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

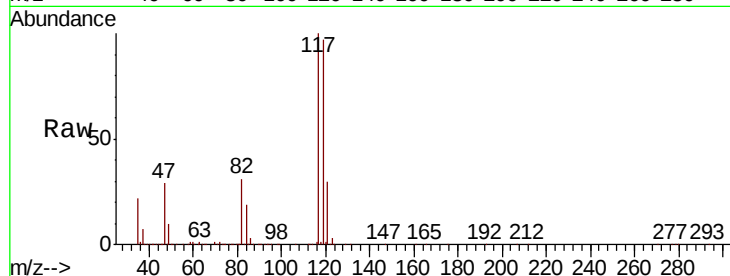
Tot Ion:117 Resp: 2399114

Ion Ratio Lower Upper

117 100

119 96.7 78.1 117.1

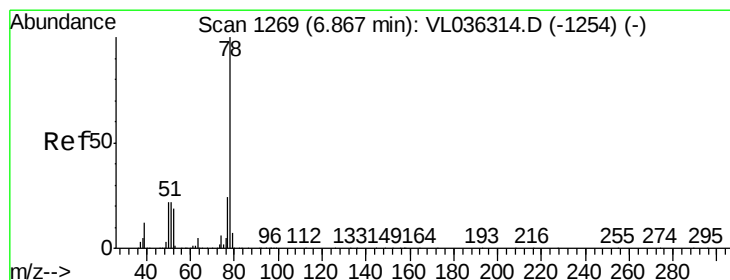
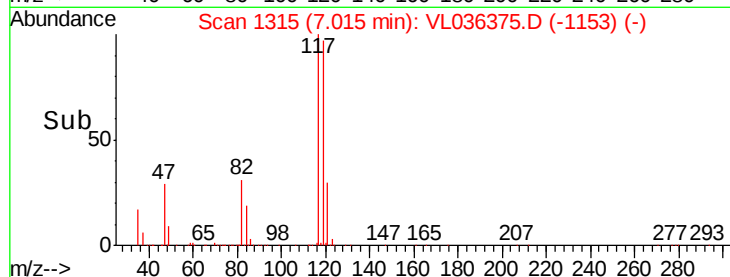
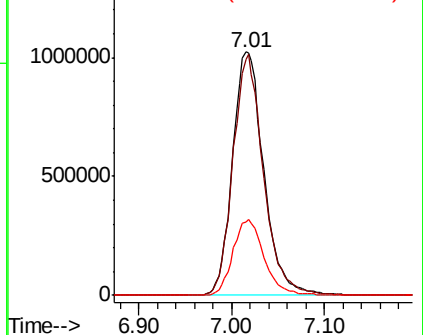
121 30.2 25.8 38.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 10.137 ppbv

RT: 6.89 min Scan# 1276

Delta R.T. 0.02 min

Lab File: VL036375.D

Acq: 25 Feb 2021 7:24

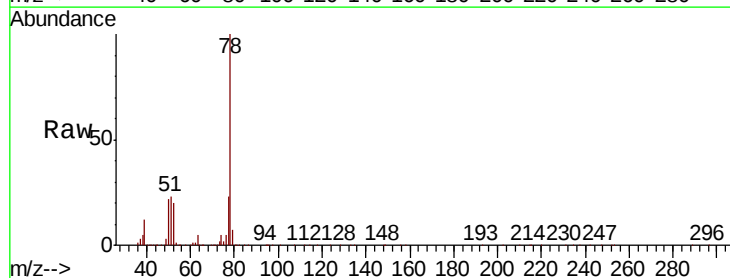
Tgt Ion: 78 Resp: 3151185

Ion Ratio Lower Upper

78 100

77 22.7 18.9 28.3

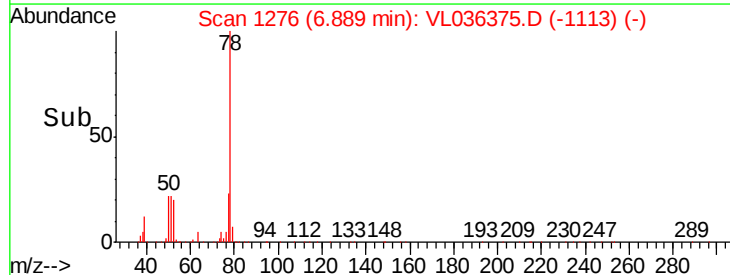
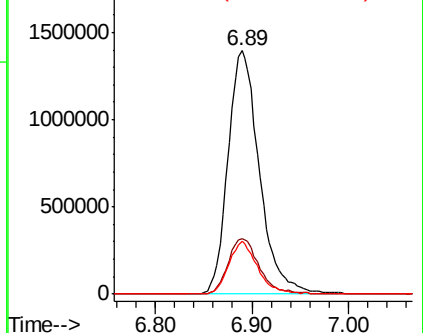
50 21.7 17.3 25.9

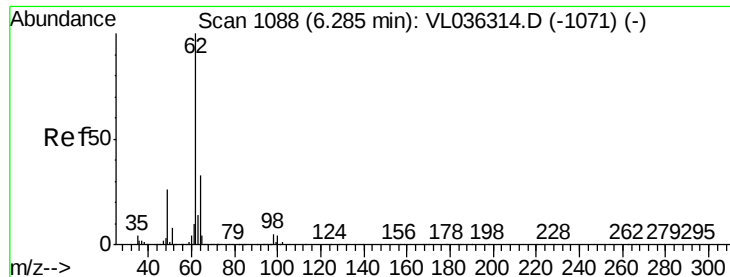


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

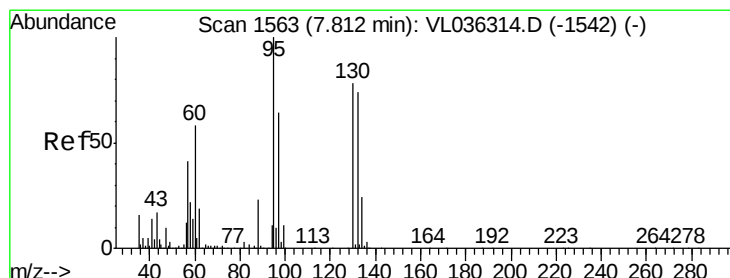
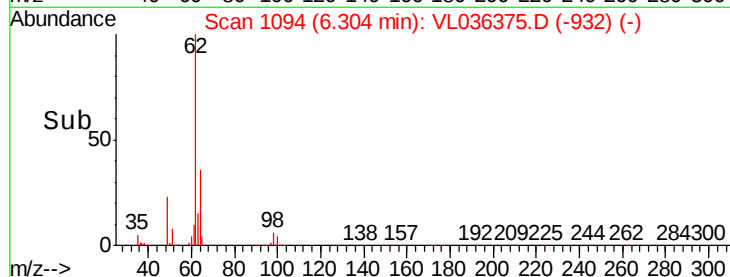
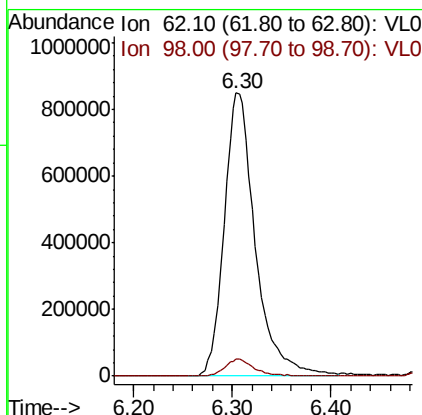
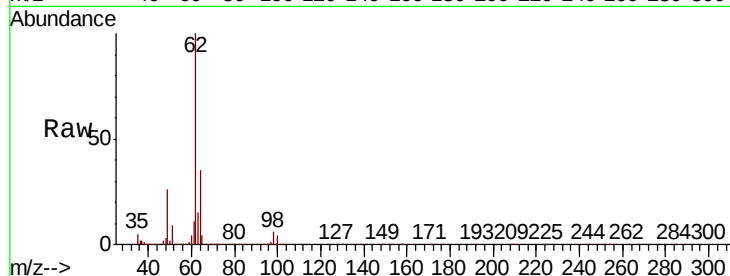




#37
 1,2-Dichloroethane
 Concen: 9.739 ppbv
 RT: 6.30 min Scan# 1094
 Delta R.T. 0.02 min
 Lab File: VL036375.D
 Acq: 25 Feb 2021 7:24

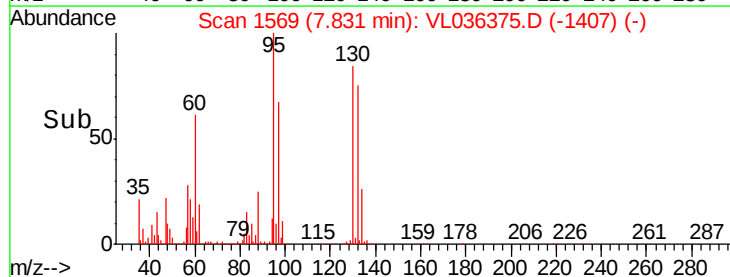
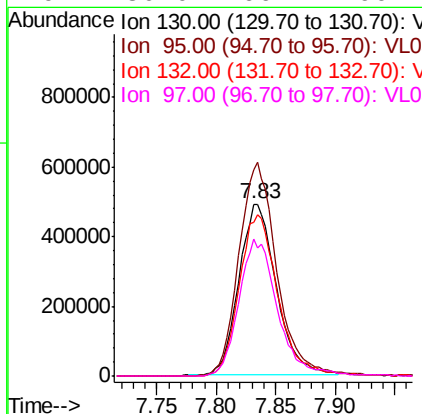
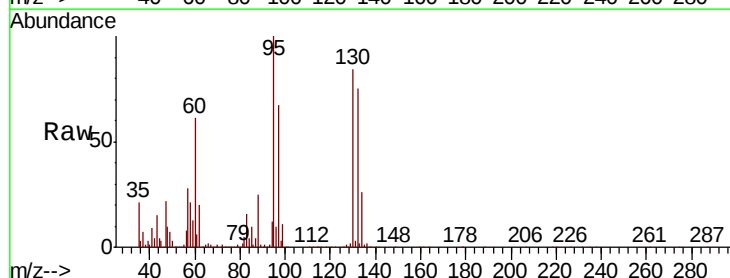
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

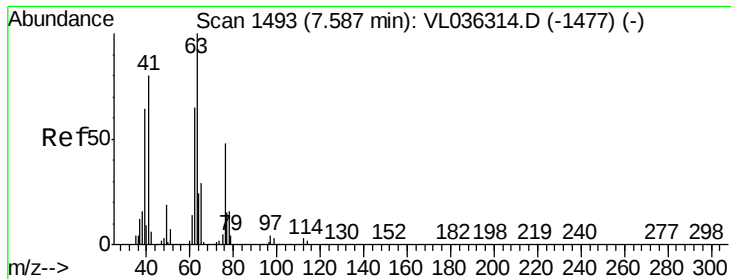
Tot Ion: 62 Resp: 1871857
 Ion Ratio Lower Upper
 62 100
 98 5.8 4.5 6.7



#38
 Trichloroethene
 Concen: 9.623 ppbv
 RT: 7.83 min Scan# 1569
 Delta R.T. 0.02 min
 Lab File: VL036375.D
 Acq: 25 Feb 2021 7:24

Tgt Ion: 130 Resp: 1071653
 Ion Ratio Lower Upper
 130 100
 95 120.1 102.8 154.2
 132 90.1 75.7 113.5
 97 80.0 66.2 99.2

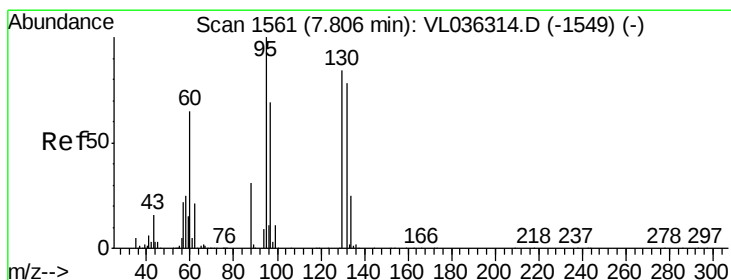
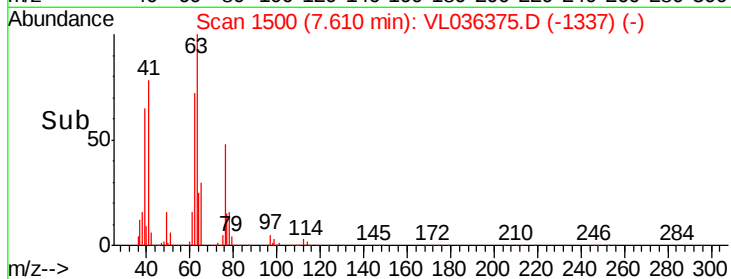
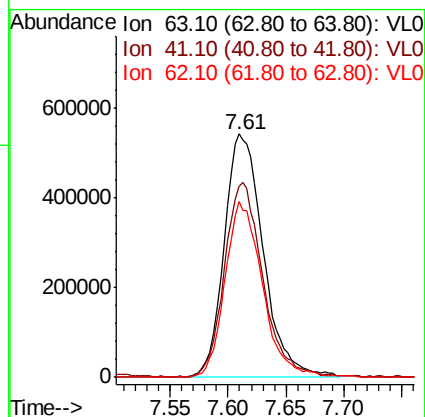
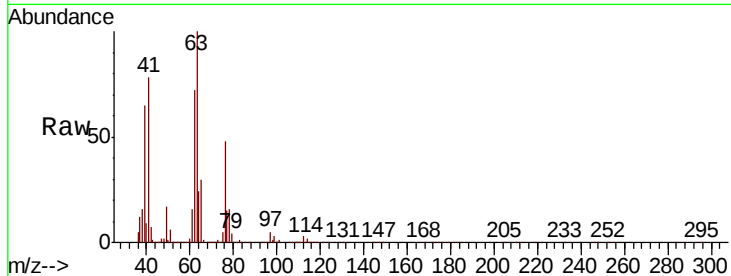




#39
 1,2-Dichloropropane
 Concen: 9.960 ppbv
 RT: 7.61 min Scan# 1500
 Delta R.T. 0.02 min
 Lab File: VL036375.D
 Acq: 25 Feb 2021 7:24

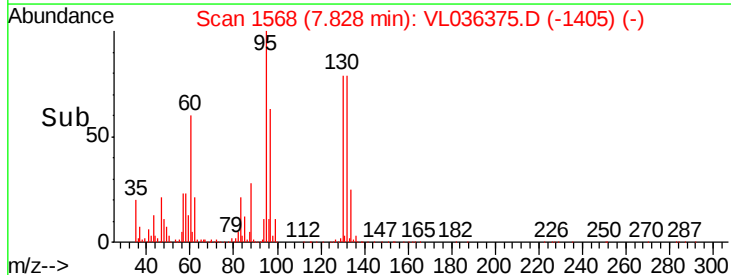
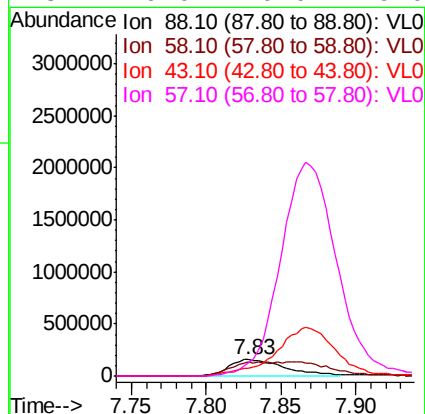
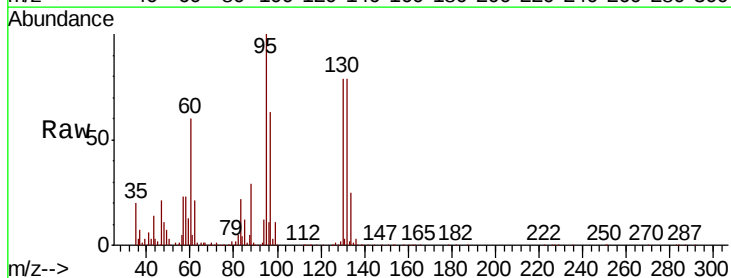
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

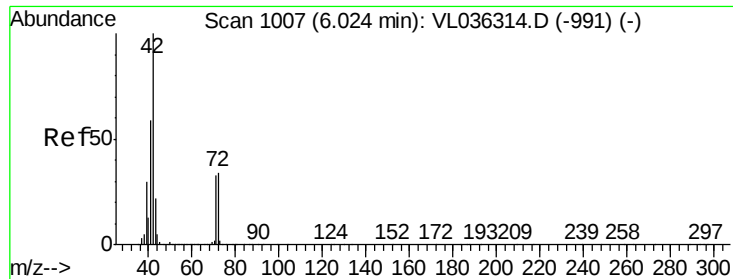
Tot Ion: 63 Resp: 1257783
 Ion Ratio Lower Upper
 63 100
 41 77.8 63.8 95.6
 62 72.1 52.3 78.5



#40
 1,4-Dioxane
 Concen: 9.280 ppbv
 RT: 7.83 min Scan# 1568
 Delta R.T. 0.02 min
 Lab File: VL036375.D
 Acq: 25 Feb 2021 7:24

Tgt Ion: 88 Resp: 406048
 Ion Ratio Lower Upper
 88 100
 58 0.0 45.0 67.4#
 43 0.0 0.0 0.0
 57 0.0 0.0 0.0

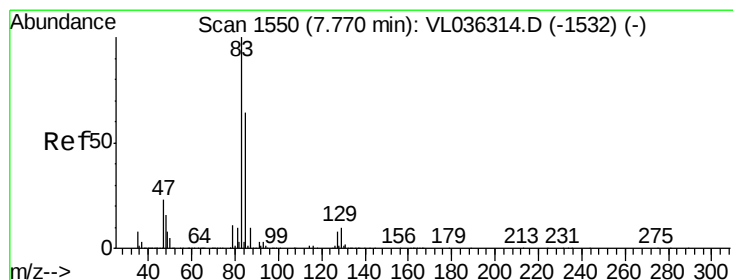
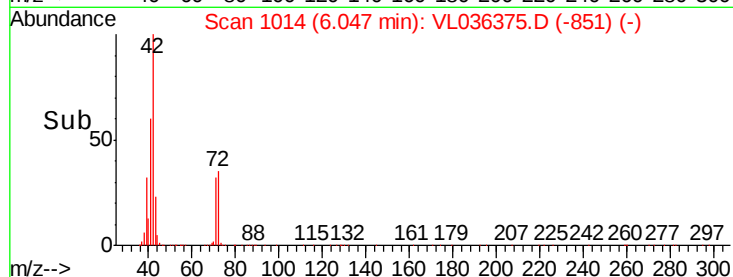
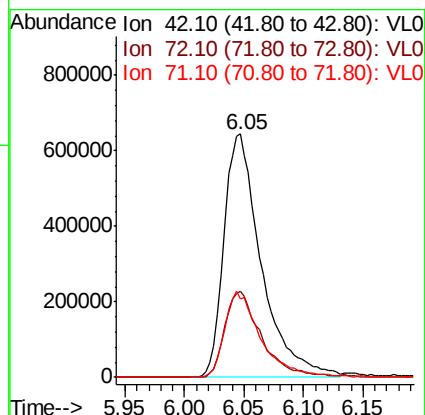
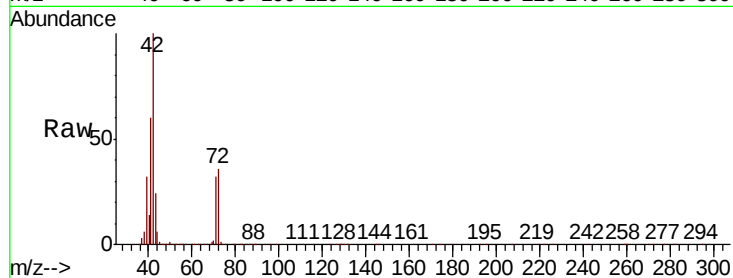




#41
Tetrahydrofuran
Concen: 10.296 ppbv
RT: 6.05 min Scan# 1014
Delta R.T. 0.02 min
Lab File: VL036375.D
Acq: 25 Feb 2021 7:24

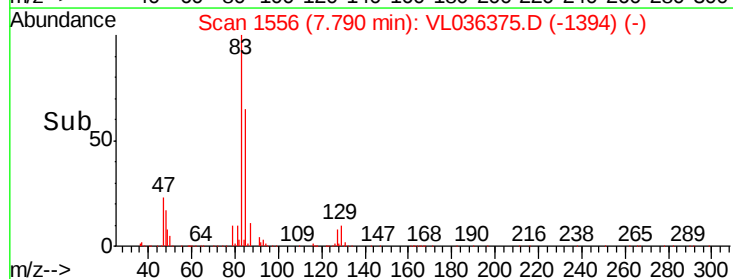
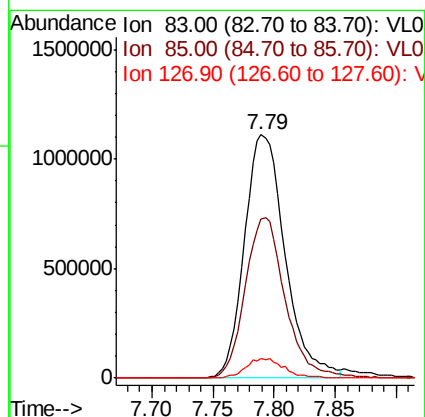
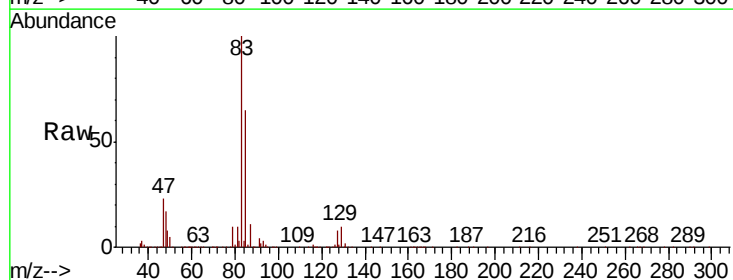
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

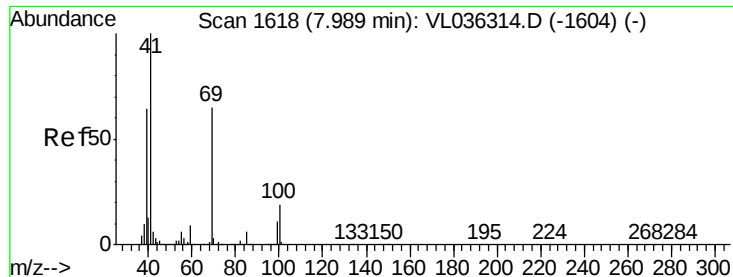
Tot Ion: 42 Resp: 1397086
Ion Ratio Lower Upper
42 100
72 35.3 29.3 43.9
71 34.7 27.8 41.8



#42
Bromodichloromethane
Concen: 9.958 ppbv
RT: 7.79 min Scan# 1556
Delta R.T. 0.02 min
Lab File: VL036375.D
Acq: 25 Feb 2021 7:24

Tgt Ion: 83 Resp: 2563402
Ion Ratio Lower Upper
83 100
85 65.3 51.1 76.7
127 8.1 6.3 9.5





#43

Methyl Methacrylate

Concen: 10.577 ppbv

RT: 8.01 min Scan# 1626

Delta R.T. 0.03 min

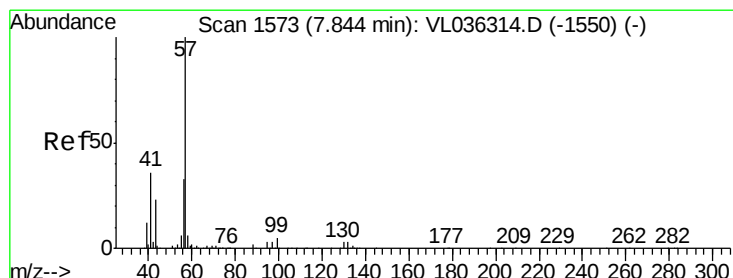
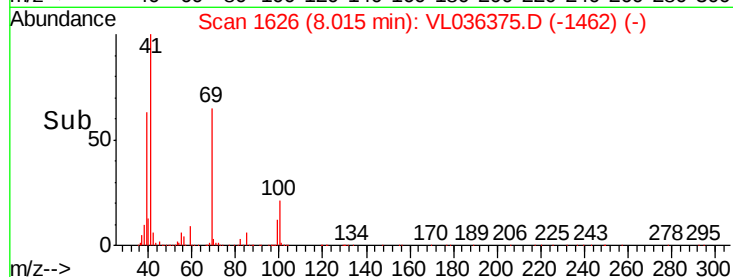
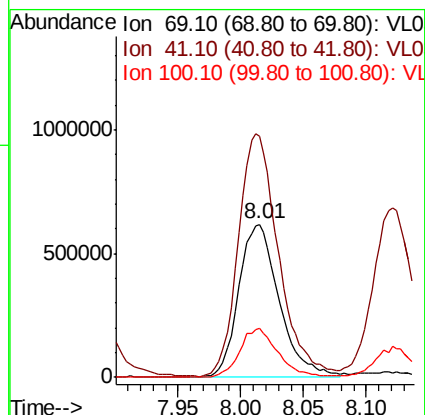
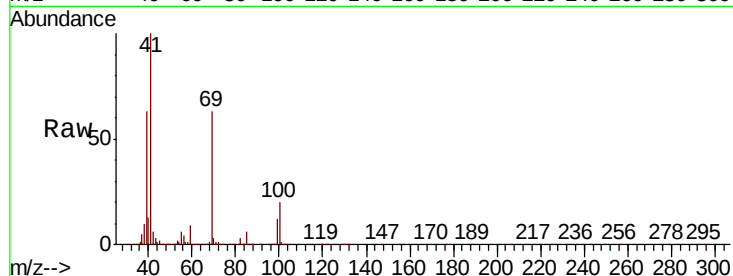
Lab File: VL036375.D

Acq: 25 Feb 2021 7:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 69 Resp: 1386723

Ion	Ratio	Lower	Upper
69	100		
41	158.1	126.5	189.7
100	30.3	23.1	34.7



#44

2,2,4-Trimethylpentane

Concen: 9.562 ppbv

RT: 7.87 min Scan# 1580

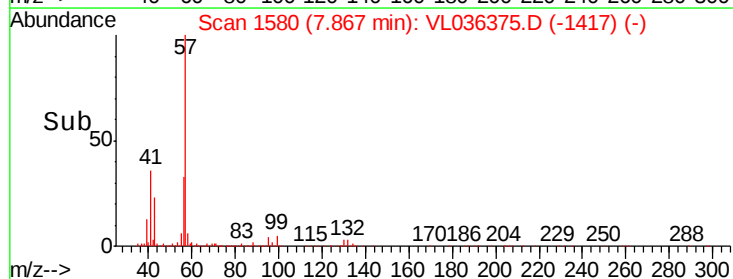
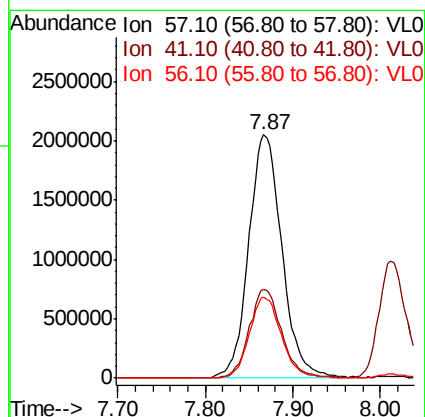
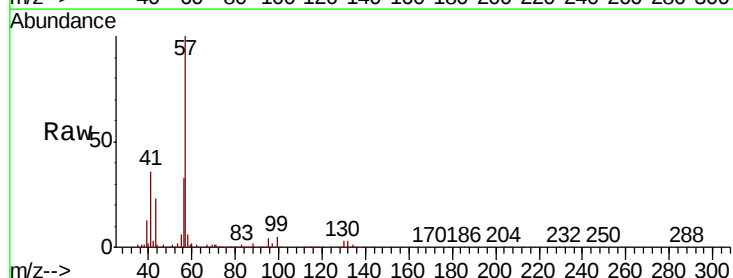
Delta R.T. 0.02 min

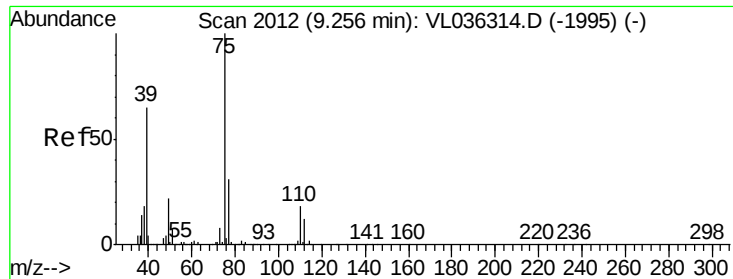
Lab File: VL036375.D

Acq: 25 Feb 2021 7:24

Tgt Ion: 57 Resp: 5405375

Ion	Ratio	Lower	Upper
57	100		
41	35.5	28.8	43.2
56	32.3	25.8	38.6

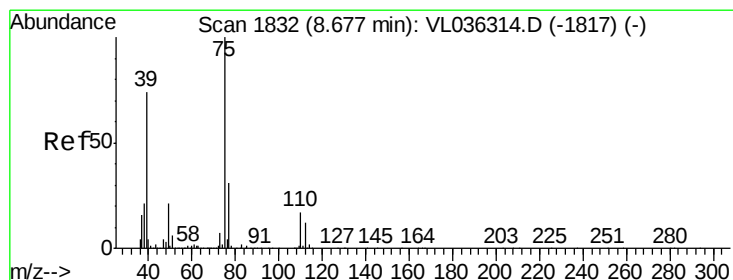
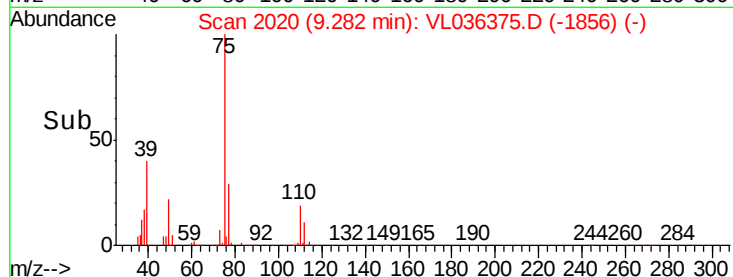
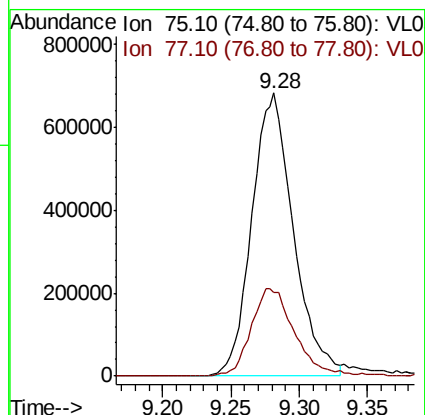
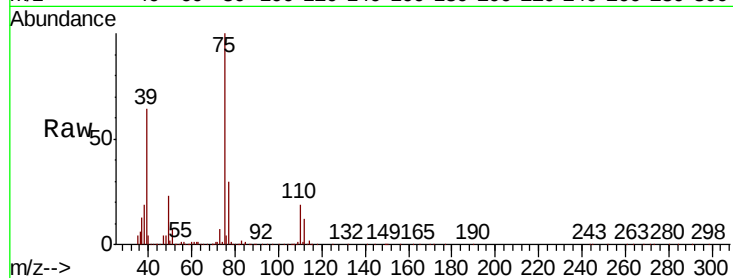




#45
t-1,3-Dichloropropene
Concen: 11.400 ppbv
RT: 9.28 min Scan# 2020
Delta R.T. 0.03 min
Lab File: VL036375.D
Acq: 25 Feb 2021 7:24

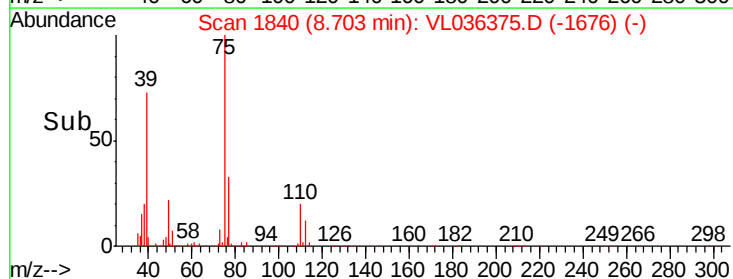
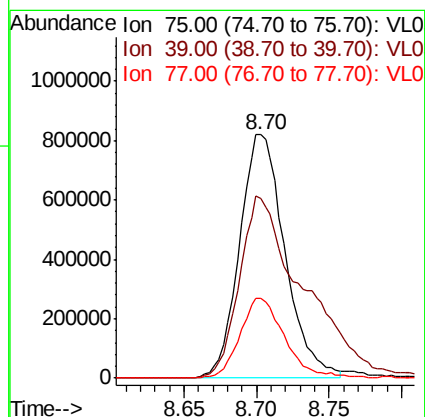
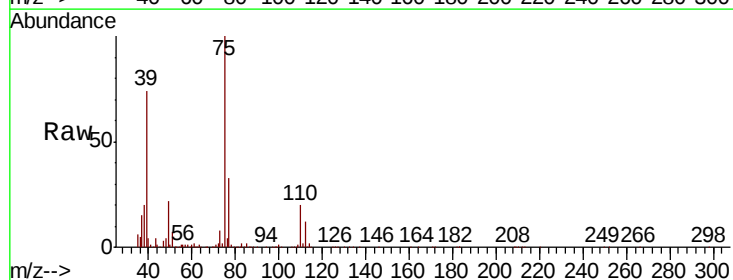
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

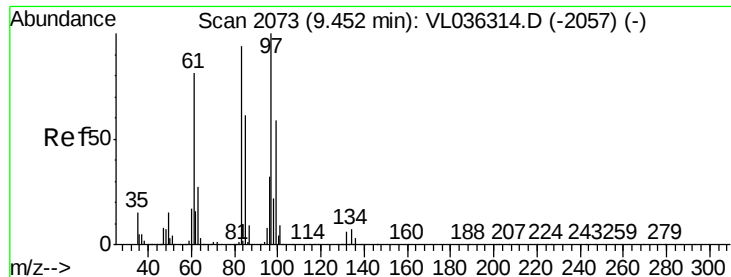
Tot Ion: 75 Resp: 1441756
Ion Ratio Lower Upper
75 100
77 29.6 24.6 37.0



#46
cis-1,3-Dichloropropene
Concen: 11.073 ppbv
RT: 8.70 min Scan# 1840
Delta R.T. 0.03 min
Lab File: VL036375.D
Acq: 25 Feb 2021 7:24

Tgt Ion: 75 Resp: 1778932
Ion Ratio Lower Upper
75 100
39 73.7 59.2 88.8
77 32.6 25.0 37.6

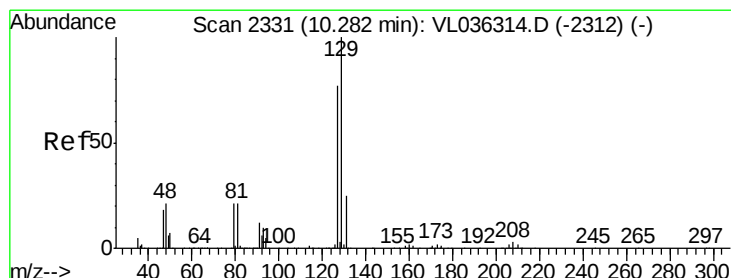
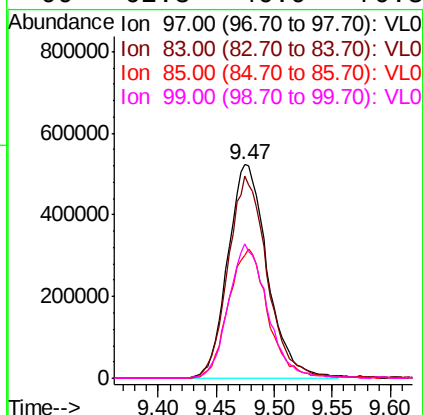
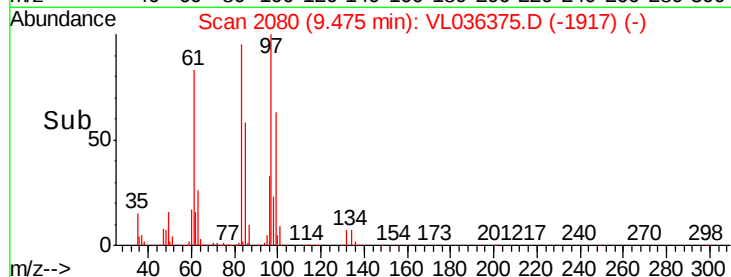
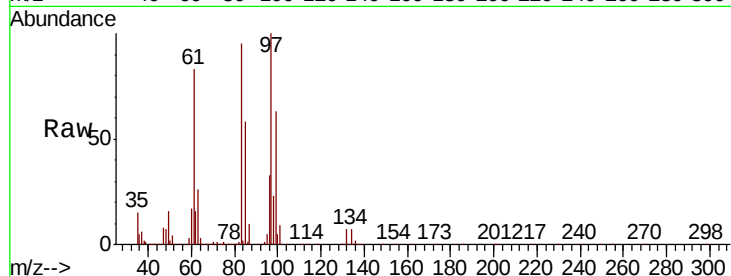




#47
 1,1,2-Trichloroethane
 Concen: 9.556 ppbv
 RT: 9.47 min Scan# 2080
 Delta R.T. 0.02 min
 Lab File: VL036375.D
 Acq: 25 Feb 2021 7:24

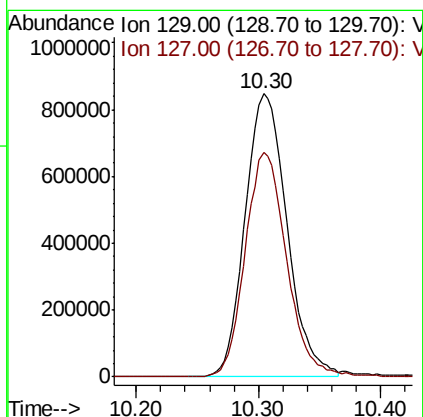
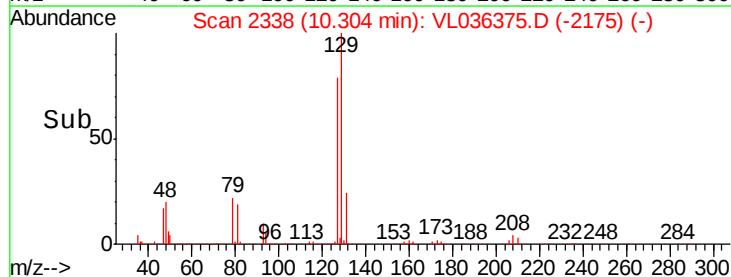
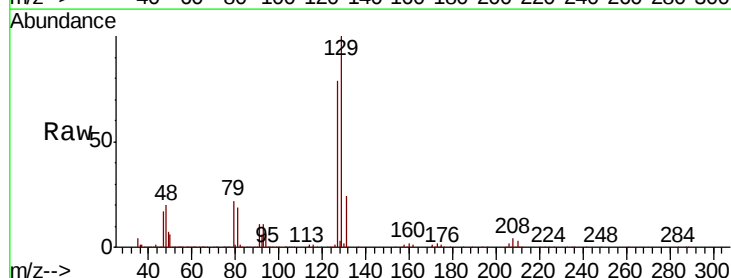
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

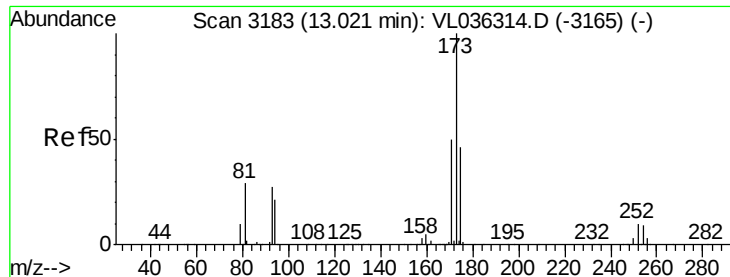
Tot Ion: 97 Resp: 1234963
 Ion Ratio Lower Upper
 97 100
 83 94.9 75.4 113.0
 85 57.6 48.9 73.3
 99 62.8 46.9 70.3



#48
 Dibromochloromethane
 Concen: 10.426 ppbv
 RT: 10.30 min Scan# 2338
 Delta R.T. 0.02 min
 Lab File: VL036375.D
 Acq: 25 Feb 2021 7:24

Tgt Ion: 129 Resp: 2010568
 Ion Ratio Lower Upper
 129 100
 127 79.1 39.1 117.2





#49

Bromoform

Concen: 10.141 ppbv

RT: 13.04 min Scan# 3190

Delta R.T. 0.02 min

Lab File: VL036375.D

Acq: 25 Feb 2021 7:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

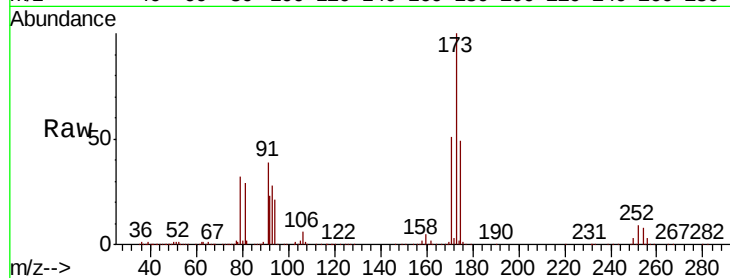
Tot Ion:173 Resp: 1581032

Ion Ratio Lower Upper

173 100

175 51.5 40.2 60.2

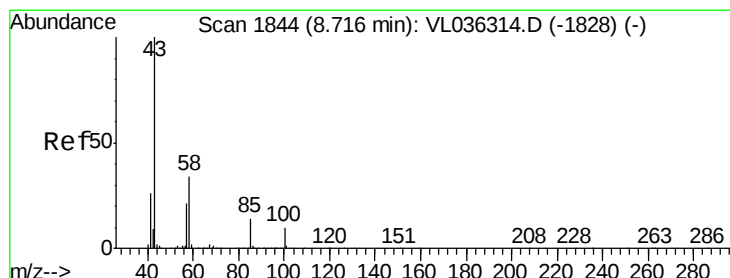
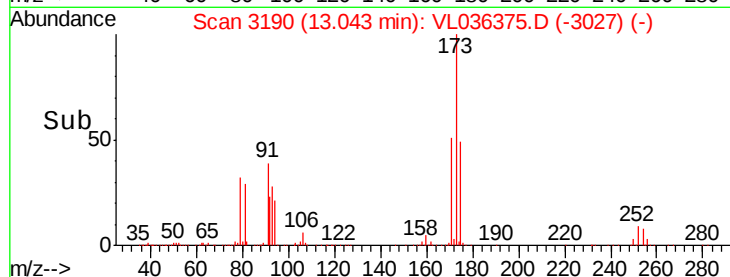
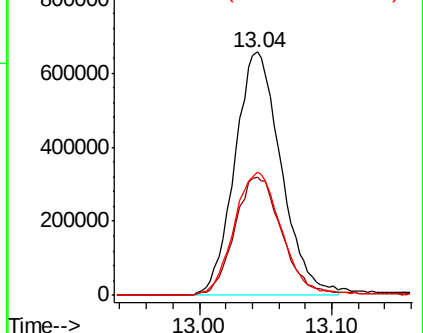
171 53.6 43.4 65.2



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: 10.014 ppbv

RT: 8.74 min Scan# 1851

Delta R.T. 0.02 min

Lab File: VL036375.D

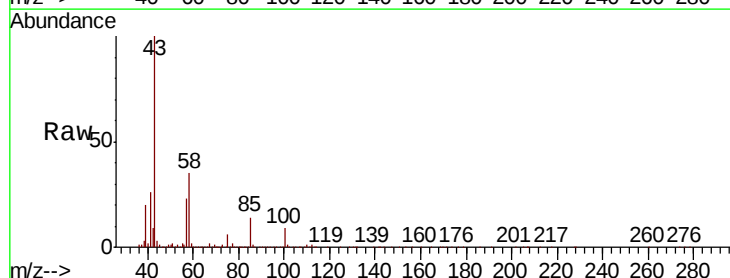
Acq: 25 Feb 2021 7:24

Tgt Ion: 43 Resp: 3614872

Ion Ratio Lower Upper

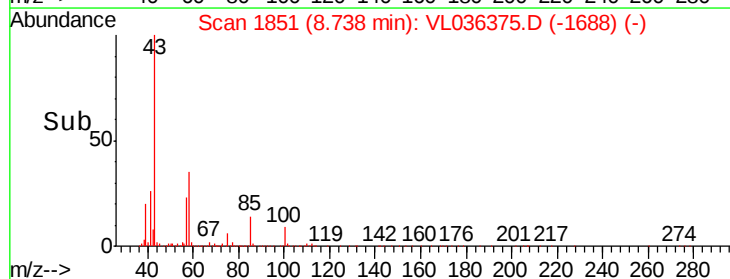
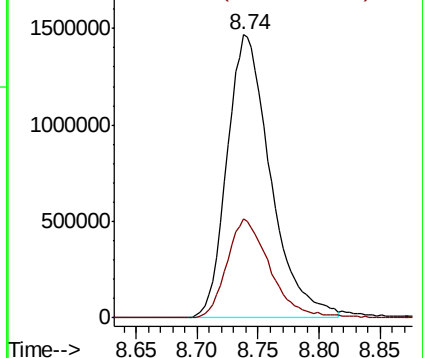
43 100

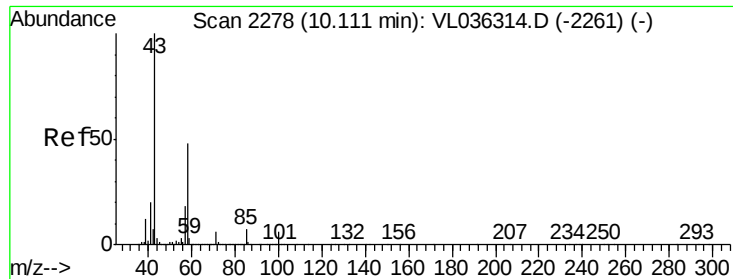
58 35.2 27.8 41.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

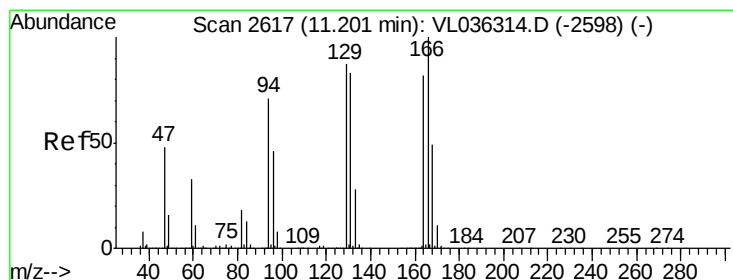
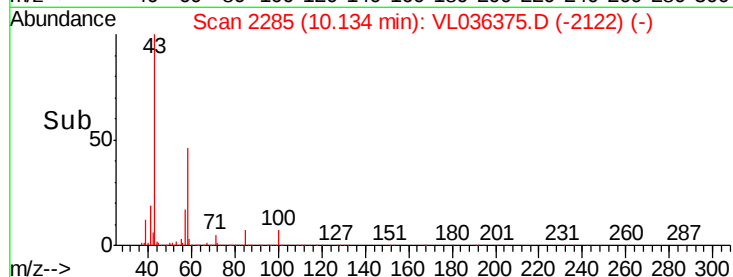
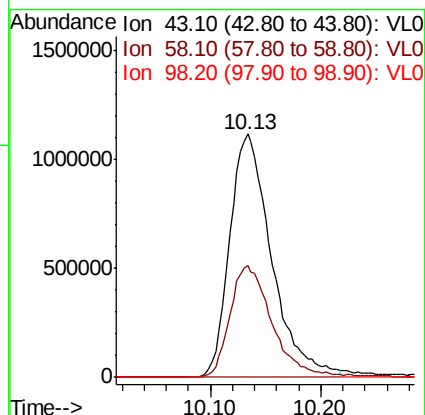
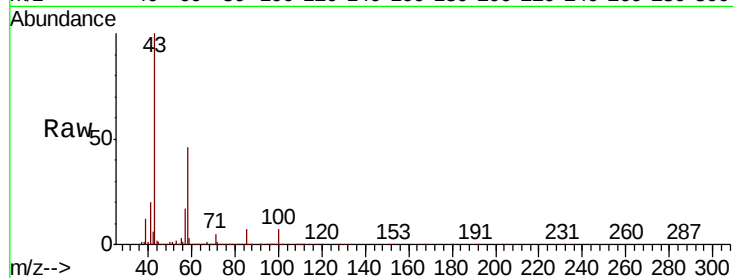




#51
2-Hexanone
Concen: 10.639 ppbv
RT: 10.13 min Scan# 2285
Delta R.T. 0.02 min
Lab File: VL036375.D
Acq: 25 Feb 2021 7:24

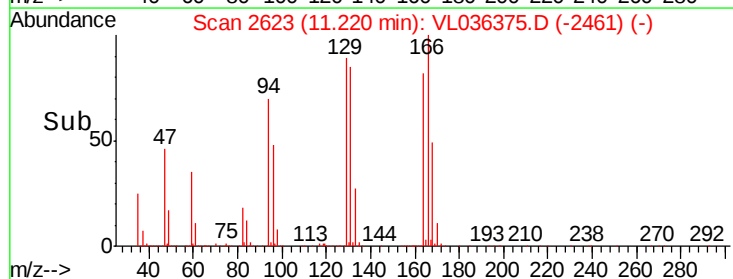
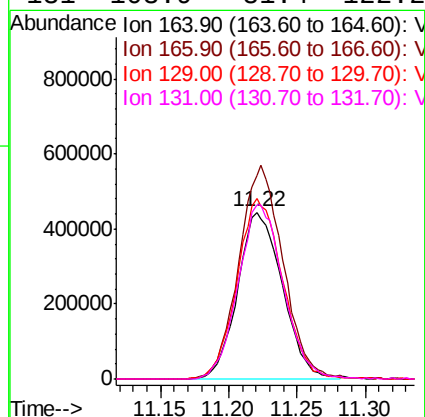
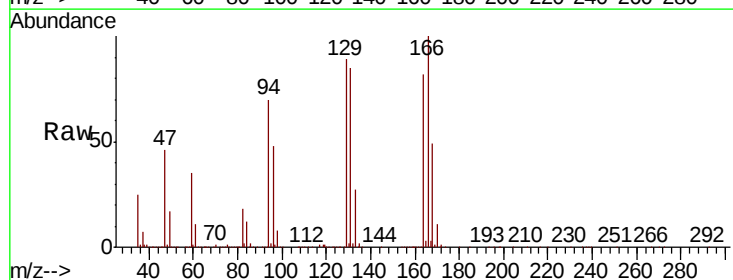
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

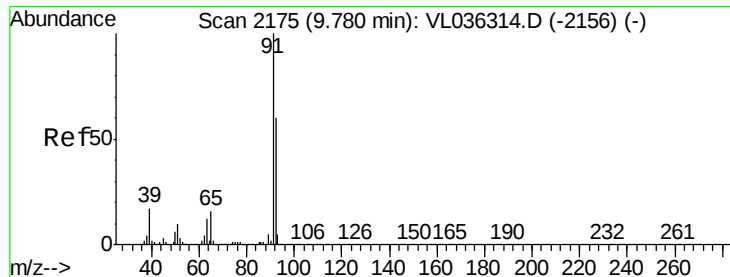
Tot Ion: 43 Resp: 2917991
Ion Ratio Lower Upper
43 100
58 47.3 38.7 58.1
98 0.3 0.4 0.6#



#52
Tetrachloroethene
Concen: 8.867 ppbv
RT: 11.22 min Scan# 2623
Delta R.T. 0.02 min
Lab File: VL036375.D
Acq: 25 Feb 2021 7:24

Tgt Ion:164 Resp: 1009141
Ion Ratio Lower Upper
164 100
166 122.0 97.8 146.8
129 107.6 84.9 127.3
131 103.9 81.4 122.2





#53

Toluene

Concen: 10.258 ppbv

RT: 9.81 min Scan# 2183

Delta R.T. 0.03 min

Lab File: VL036375.D

Acq: 25 Feb 2021 7:24

Instrument :

MSVOA_L

ClientSampleId :

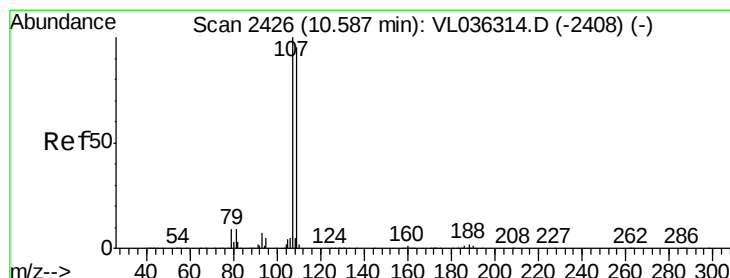
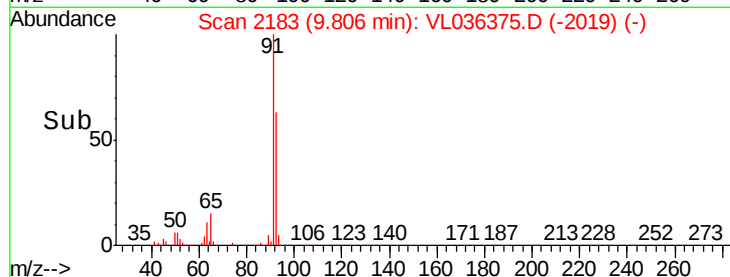
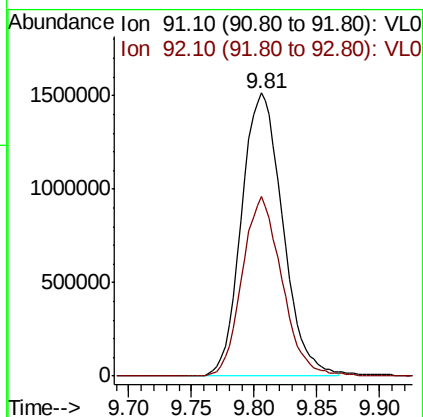
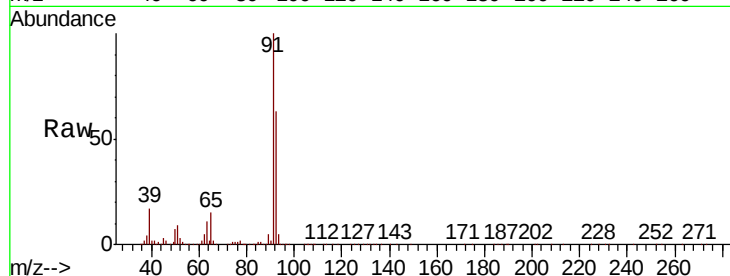
VSTDCCC010EC

Tot Ion: 91 Resp: 3454113

Ion Ratio Lower Upper

91 100

92 61.4 48.6 72.8



#54

1,2-Dibromoethane

Concen: 9.811 ppbv

RT: 10.61 min Scan# 2433

Delta R.T. 0.02 min

Lab File: VL036375.D

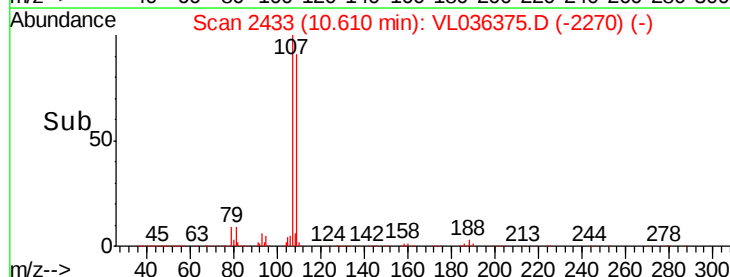
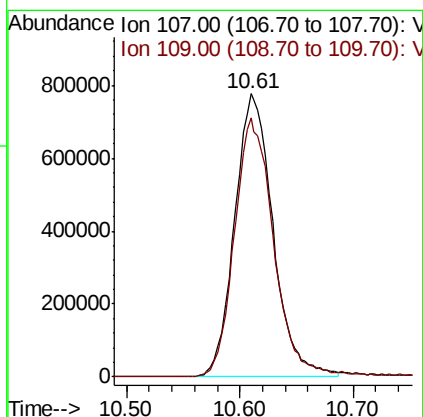
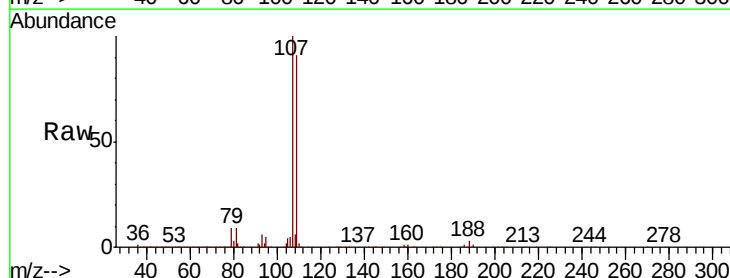
Acq: 25 Feb 2021 7:24

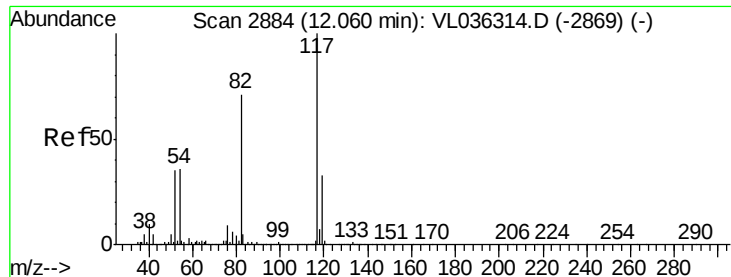
Tgt Ion: 107 Resp: 1832405

Ion Ratio Lower Upper

107 100

109 91.4 76.0 114.0





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2892

Delta R.T. 0.03 min

Lab File: VL036375.D

Acq: 25 Feb 2021 7:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

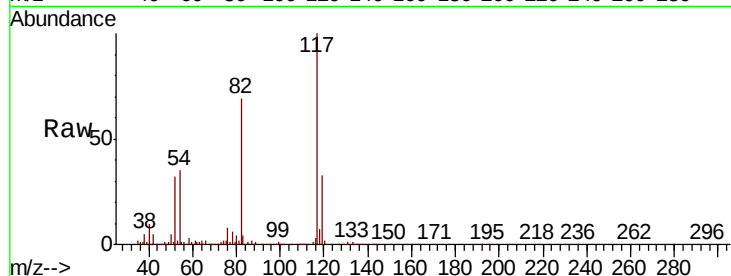
Tot Ion:117 Resp: 4287676

Ion Ratio Lower Upper

117 100

82 56.8 59.1 88.7#

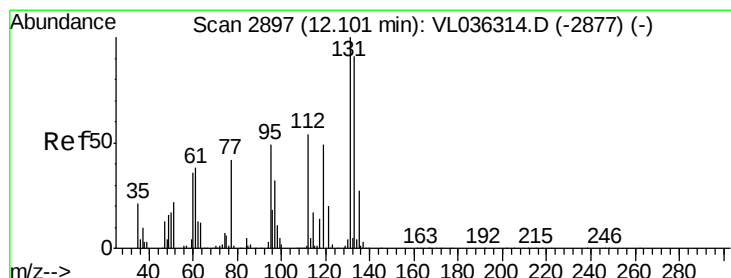
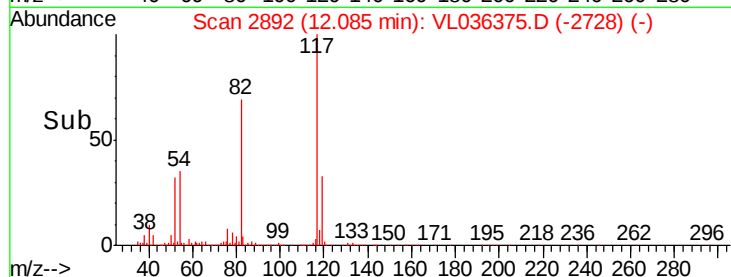
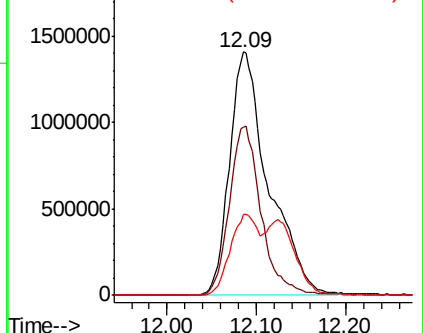
119 25.2 46.3 69.5#



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: 7.592 ppbv

RT: 12.13 min Scan# 2905

Delta R.T. 0.03 min

Lab File: VL036375.D

Acq: 25 Feb 2021 7:24

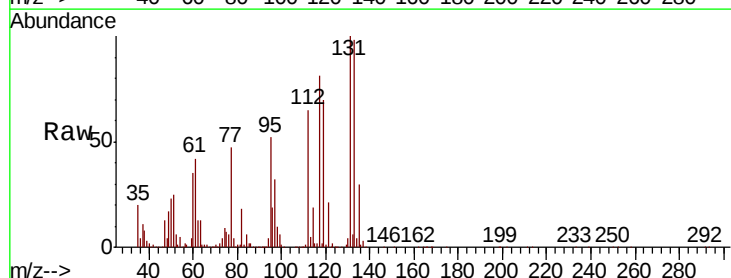
Tgt Ion:131 Resp: 1497173

Ion Ratio Lower Upper

131 100

133 96.3 76.0 114.0

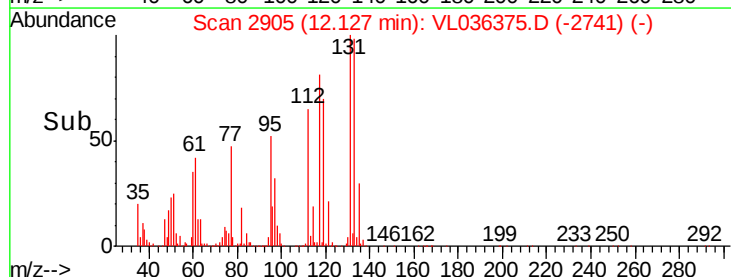
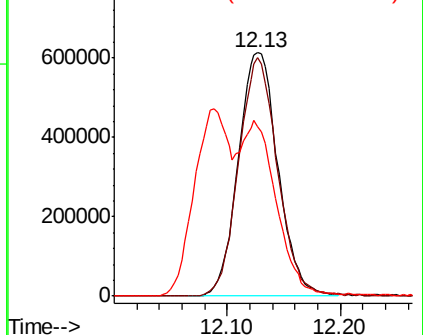
119 64.6 115.1 172.7#

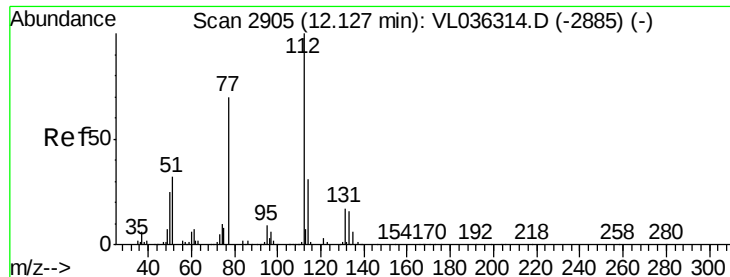


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 7.335 ppbv

RT: 12.15 min Scan# 2912

Delta R.T. 0.02 min

Lab File: VL036375.D

Acq: 25 Feb 2021 7:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

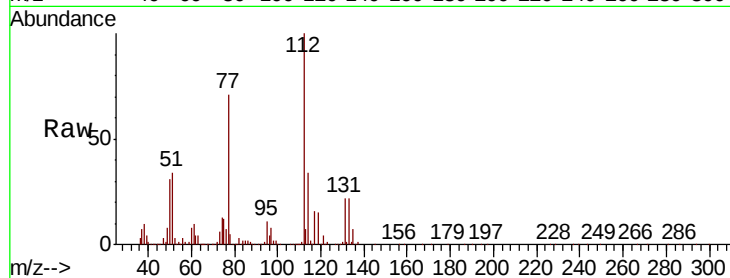
Tot Ion:112 Resp: 2429832

Ion Ratio Lower Upper

112 100

77 69.7 56.1 84.1

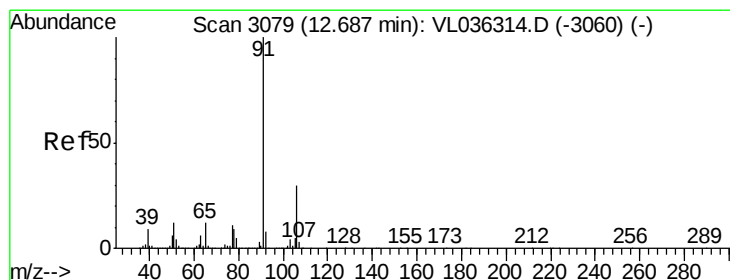
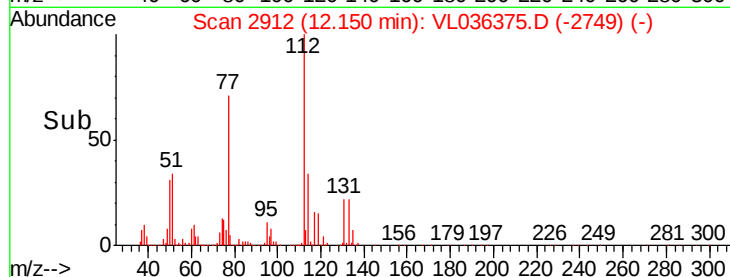
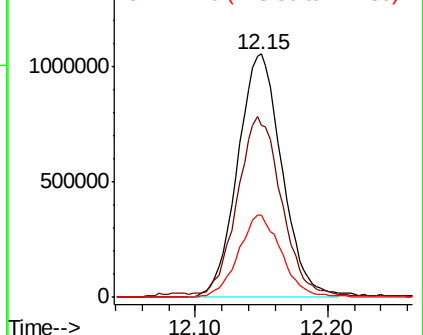
114 33.7 28.3 34.5



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: 7.914 ppbv

RT: 12.71 min Scan# 3087

Delta R.T. 0.03 min

Lab File: VL036375.D

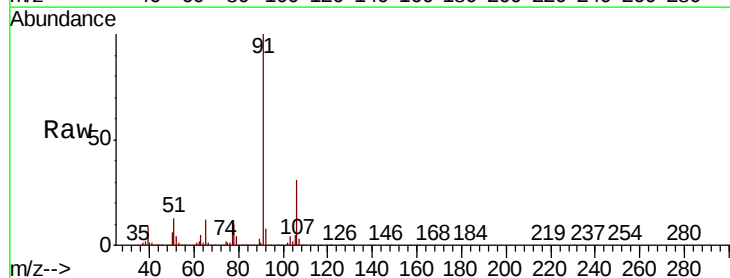
Acq: 25 Feb 2021 7:24

Tgt Ion: 91 Resp: 4646337

Ion Ratio Lower Upper

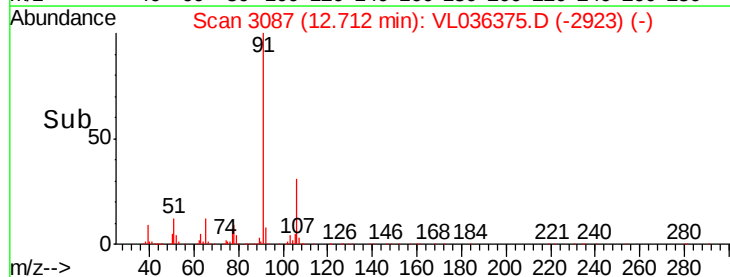
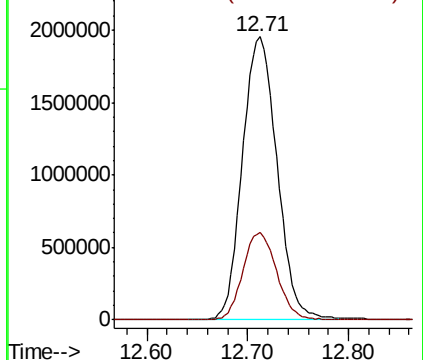
91 100

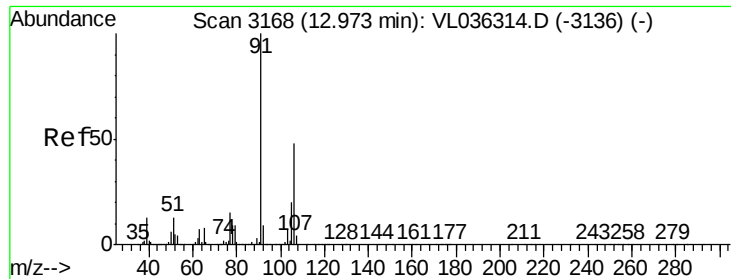
106 31.0 23.8 35.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 8.076 ppbv

RT: 13.00 min Scan# 3175

Delta R.T. 0.02 min

Lab File: VL036375.D

Acq: 25 Feb 2021 7:24

Instrument :

MSVOA_L

ClientSampleId :

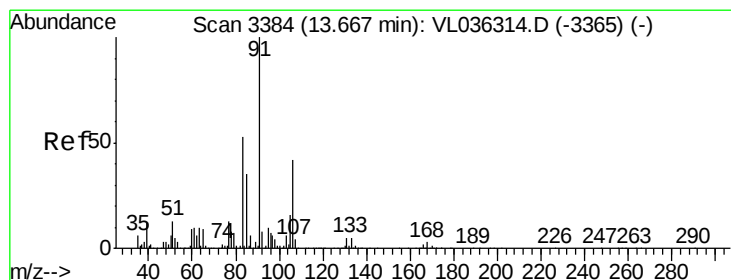
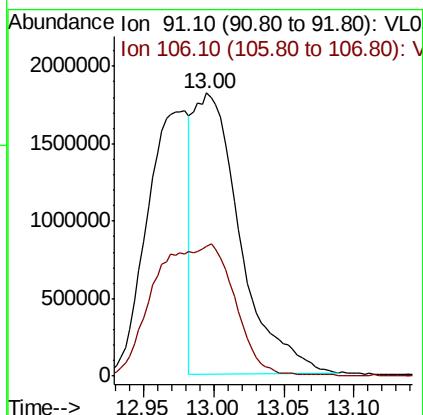
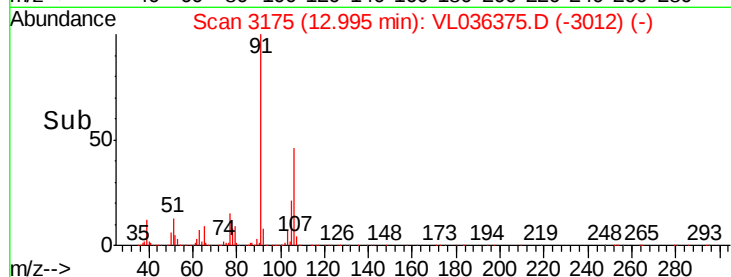
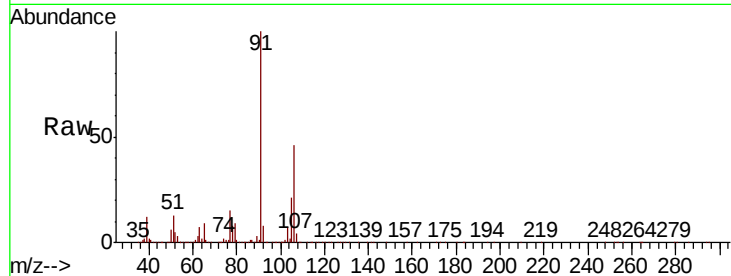
VSTDCCC010EC

Tot Ion: 91 Resp: 4165083

Ion Ratio Lower Upper

91 100

106 81.6 34.2 51.2#



#60

o-Xylene

Concen: 7.469 ppbv

RT: 13.70 min Scan# 3393

Delta R.T. 0.03 min

Lab File: VL036375.D

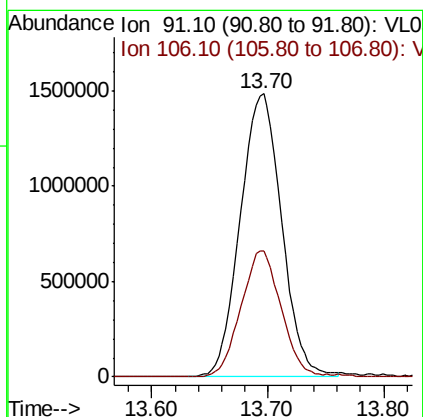
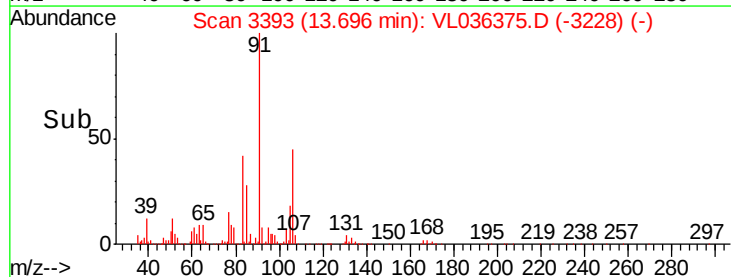
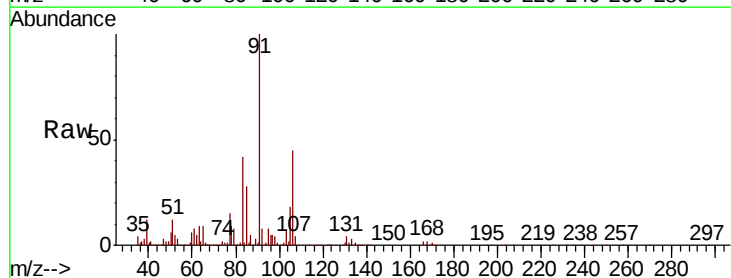
Acq: 25 Feb 2021 7:24

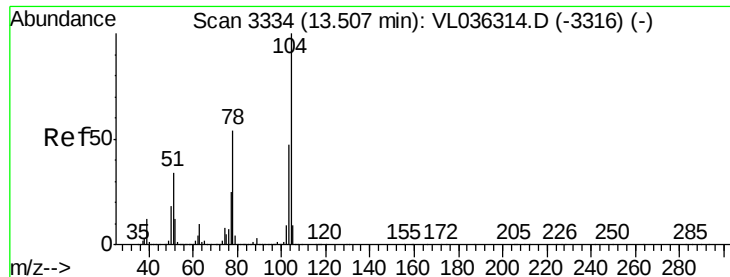
Tgt Ion: 91 Resp: 3682605

Ion Ratio Lower Upper

91 100

106 43.8 22.0 66.0





#61

Stvrene

Concen: 8.404 ppbv

RT: 13.53 min Scan# 3341

Delta R.T. 0.02 min

Lab File: VL036375.D

Acq: 25 Feb 2021 7:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

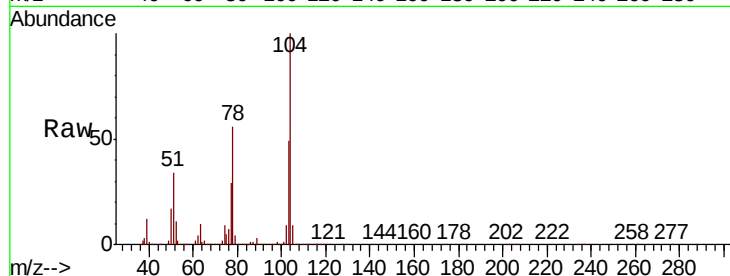
Tot Ion:104 Resp: 2568214

Ion Ratio Lower Upper

104 100

78 56.4 46.2 69.2

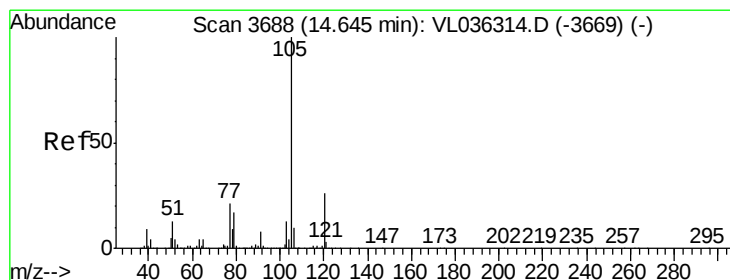
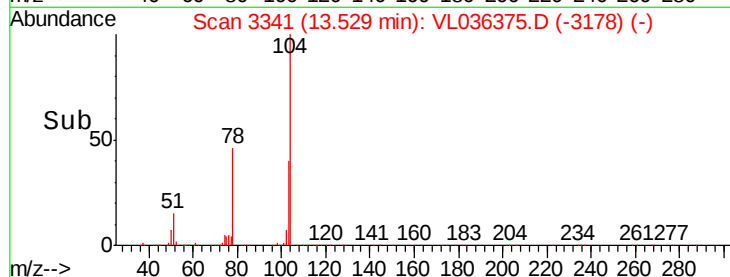
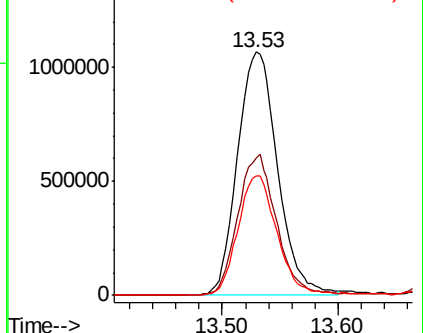
103 48.3 38.3 57.5



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: 7.367 ppbv

RT: 14.67 min Scan# 3695

Delta R.T. 0.02 min

Lab File: VL036375.D

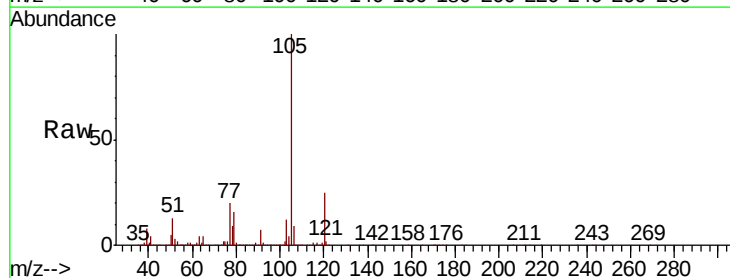
Acq: 25 Feb 2021 7:24

Tgt Ion:105 Resp: 5445076

Ion Ratio Lower Upper

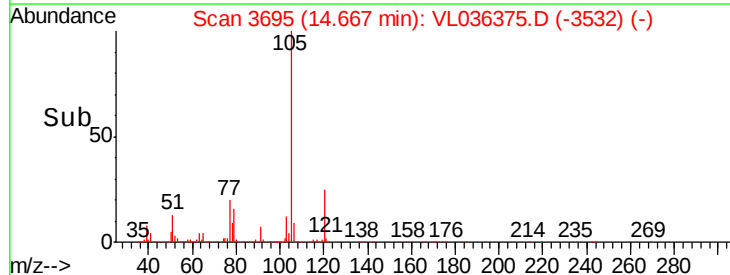
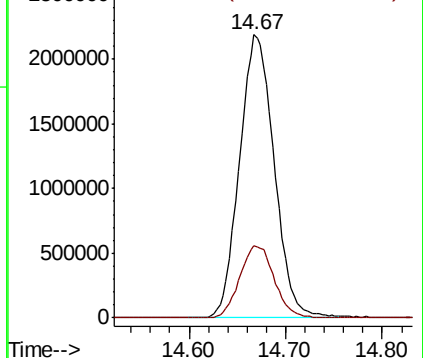
105 100

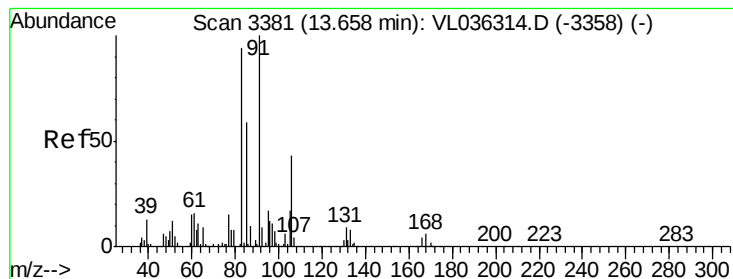
120 25.6 20.6 30.8



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: 6.508 ppbv

RT: 13.68 min Scan# 3388

Delta R.T. 0.02 min

Lab File: VL036375.D

Acq: 25 Feb 2021 7:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

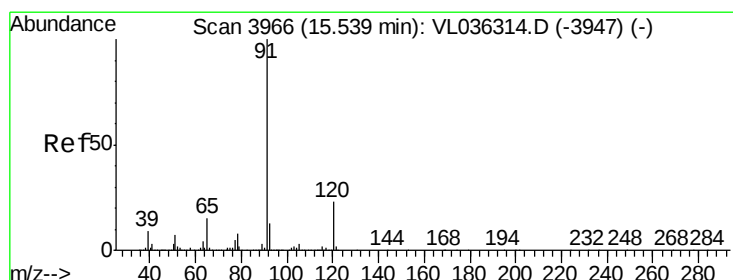
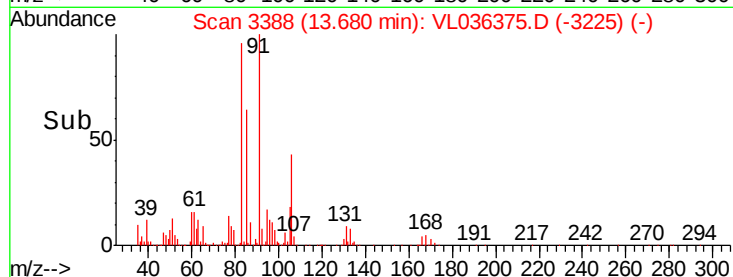
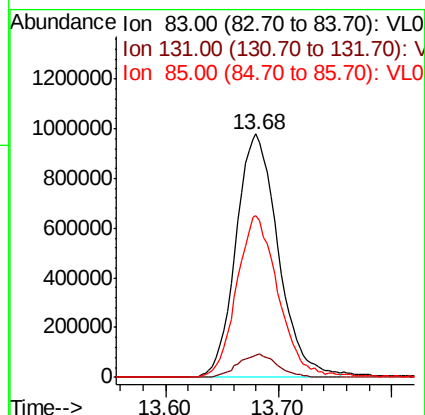
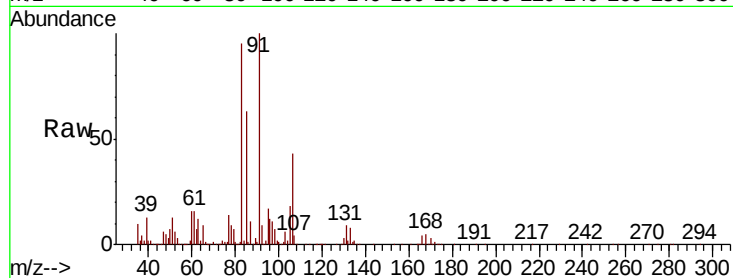
Tot Ion: 83 Resp: 2532019

Ion	Ratio	Lower	Upper
83	100		
131	9.2	4.7	14.0
85	66.6	33.0	98.9

83 100

131 9.2 4.7 14.0

85 66.6 33.0 98.9



#64

n-propylbenzene

Concen: 7.638 ppbv

RT: 15.56 min Scan# 3973

Delta R.T. 0.02 min

Lab File: VL036375.D

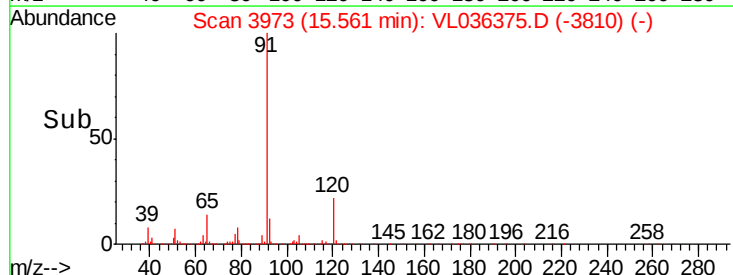
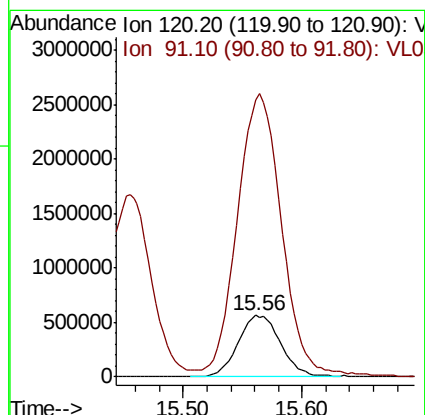
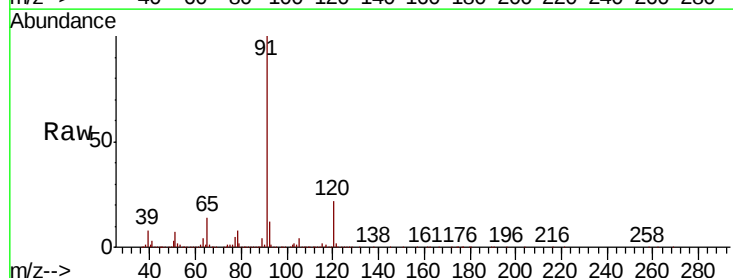
Acq: 25 Feb 2021 7:24

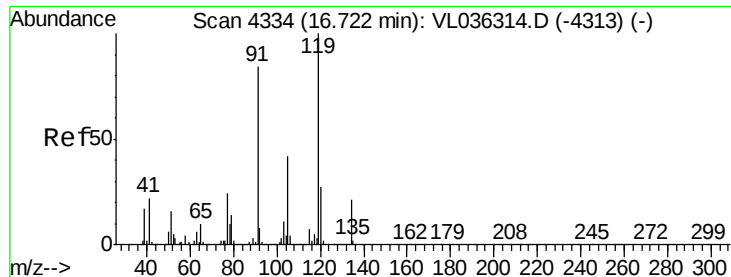
Tgt Ion: 120 Resp: 1389444

Ion	Ratio	Lower	Upper
120	100		
91	483.8	387.2	580.8

120 100

91 483.8 387.2 580.8





#65

tert-Butylbenzene

Concen: 7.233 ppbv

RT: 16.75 min Scan# 4342

Delta R.T. 0.03 min

Lab File: VL036375.D

Acq: 25 Feb 2021 7:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

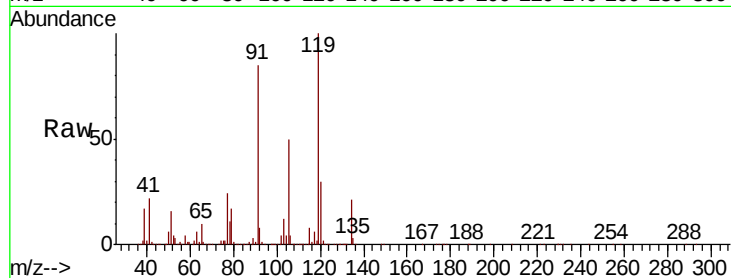
Tot Ion:119 Resp: 4574030

Ion Ratio Lower Upper

119 100

91 86.2 70.5 105.7

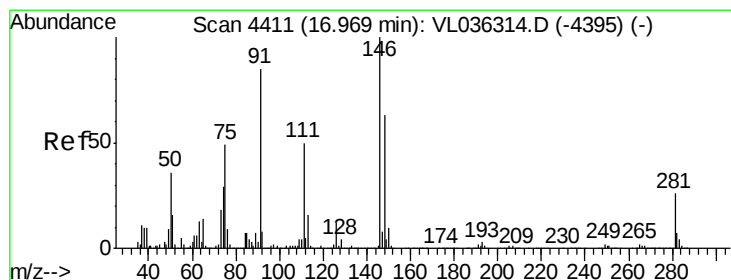
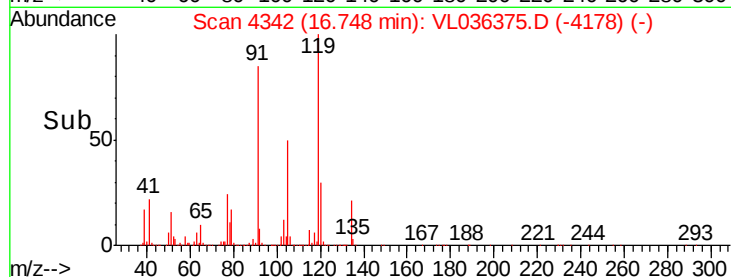
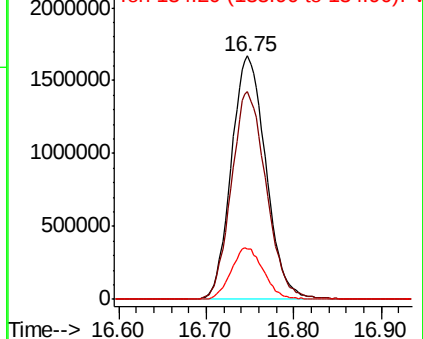
134 20.0 15.8 23.8



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: 9.003 ppbv

RT: 16.99 min Scan# 4418

Delta R.T. 0.02 min

Lab File: VL036375.D

Acq: 25 Feb 2021 7:24

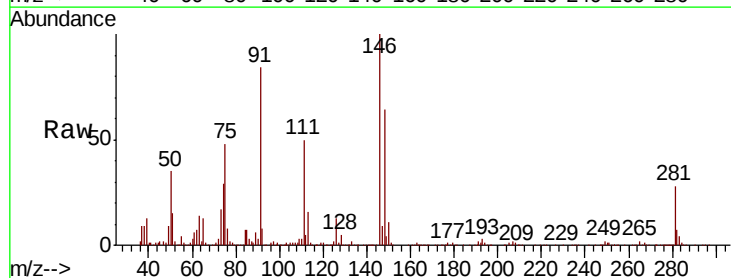
Tgt Ion: 91 Resp: 1547767

Ion Ratio Lower Upper

91 100

126 16.5 12.9 19.3

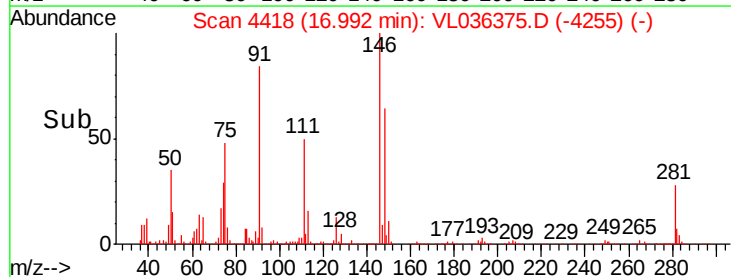
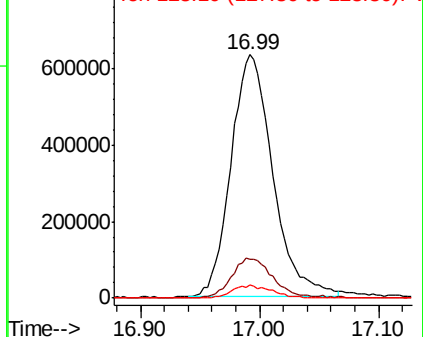
128 5.3 4.2 6.2

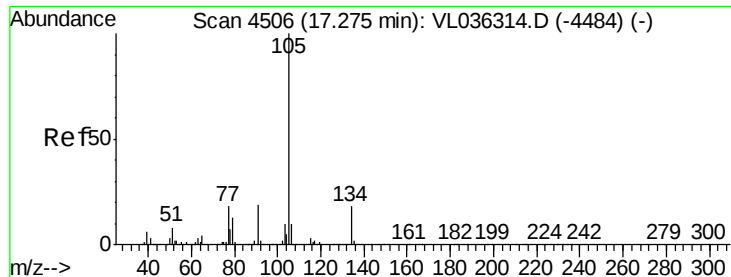


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V

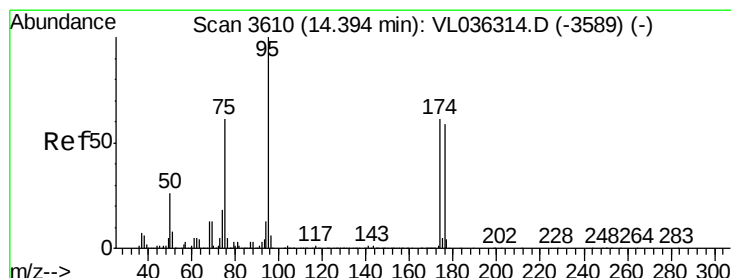
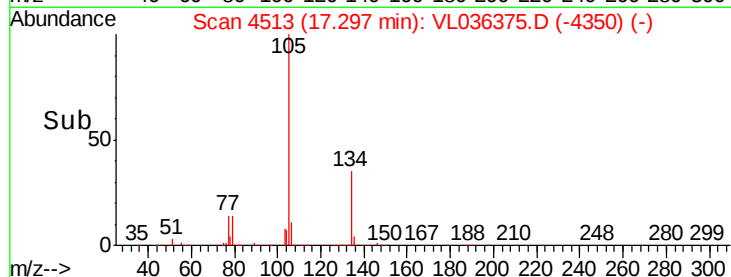
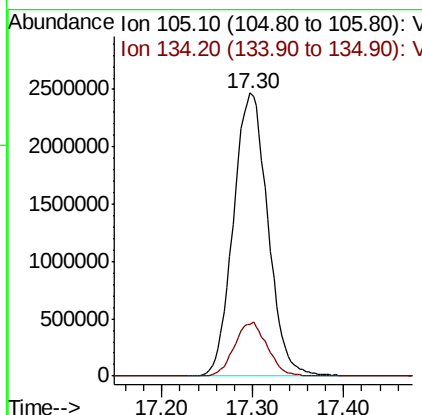
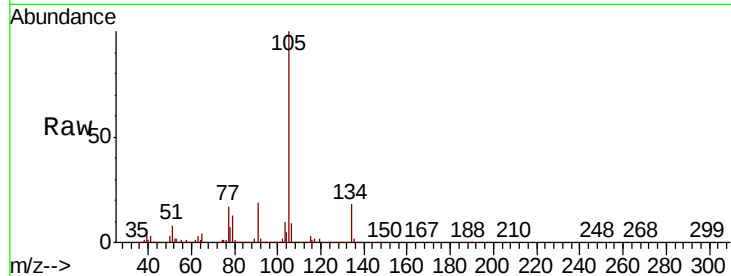




#67
 sec-Butylbenzene
 Concen: 7.130 ppbv
 RT: 17.30 min Scan# 4513
 Delta R.T. 0.02 min
 Lab File: VL036375.D
 Acq: 25 Feb 2021 7:24

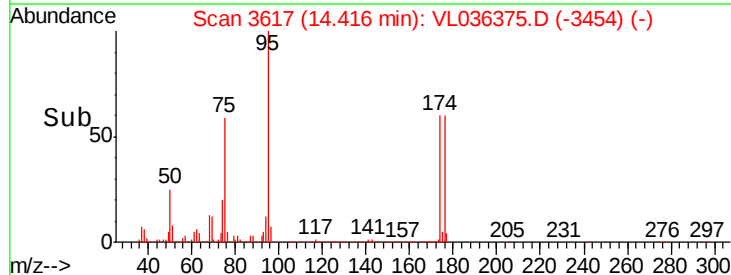
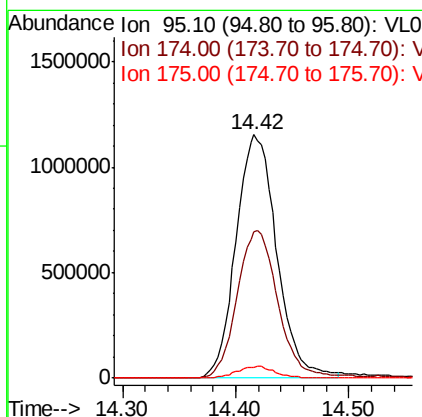
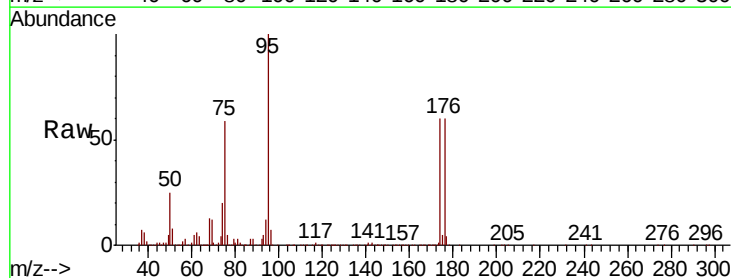
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

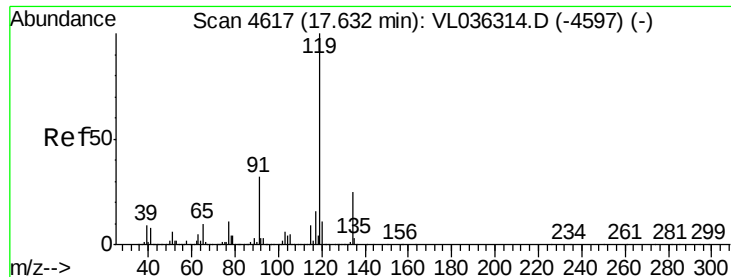
Tot Ion:105 Resp: 6502023
 Ion Ratio Lower Upper
 105 100
 134 18.3 14.2 21.4



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.192 ppbv
 RT: 14.42 min Scan# 3617
 Delta R.T. 0.02 min
 Lab File: VL036375.D
 Acq: 25 Feb 2021 7:24

Tgt Ion: 95 Resp: 2889934
 Ion Ratio Lower Upper
 95 100
 174 62.1 49.8 74.6
 175 4.7 3.7 5.5



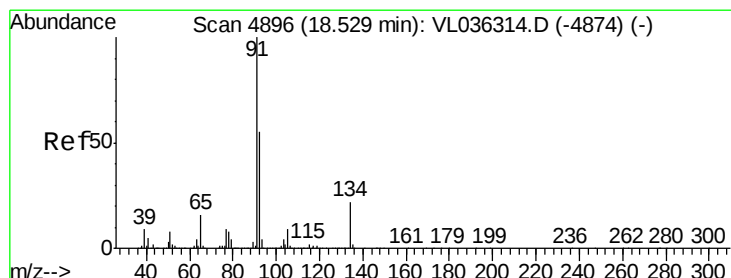
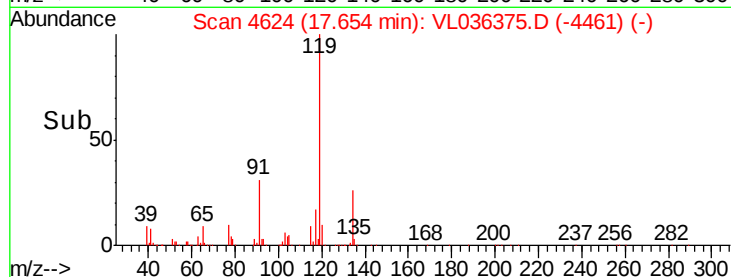
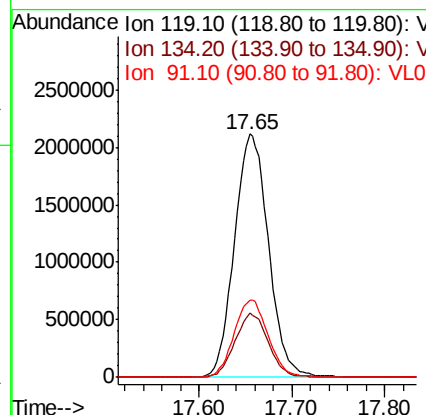
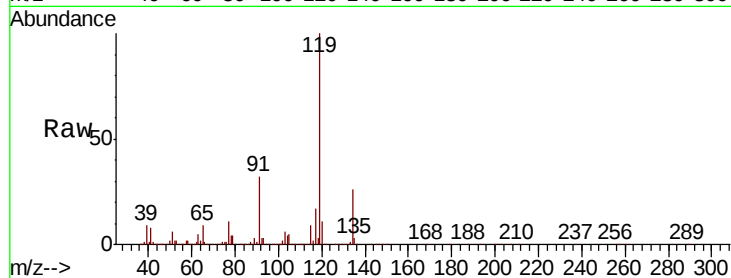


#69
 p-Isopropyltoluene
 Concen: 7.633 ppbv
 RT: 17.65 min Scan# 4624
 Delta R.T. 0.02 min
 Lab File: VL036375.D
 Acq: 25 Feb 2021 7:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 119 Resp: 5379463

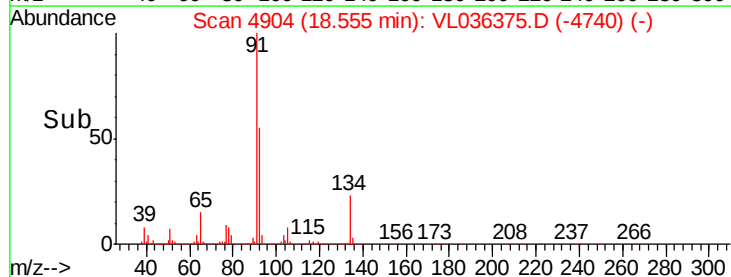
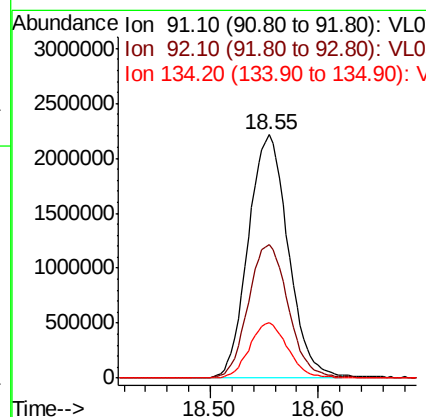
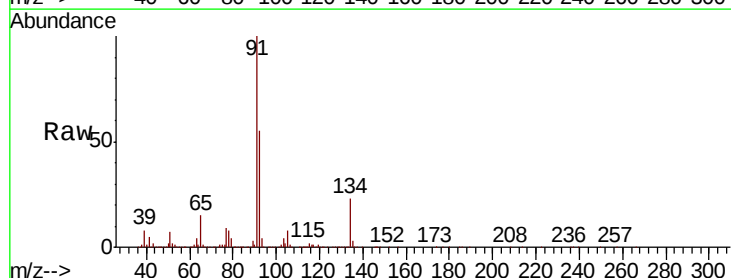
Ion	Ratio	Lower	Upper
119	100		
134	25.8	20.1	30.1
91	31.7	25.8	38.6

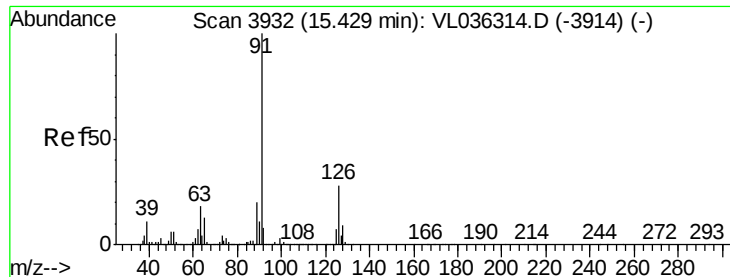


#70
 n-Butylbenzene
 Concen: 7.541 ppbv
 RT: 18.55 min Scan# 4904
 Delta R.T. 0.03 min
 Lab File: VL036375.D
 Acq: 25 Feb 2021 7:24

Tgt Ion: 91 Resp: 5699783

Ion	Ratio	Lower	Upper
91	100		
92	55.3	43.7	65.5
134	21.9	17.4	26.0





#71

2-Chlorotoluene

Concen: 7.394 ppbv

RT: 15.45 min Scan# 3940

Delta R.T. 0.03 min

Lab File: VL036375.D

Acq: 25 Feb 2021 7:24

Instrument :

MSVOA_L

ClientSampleId :

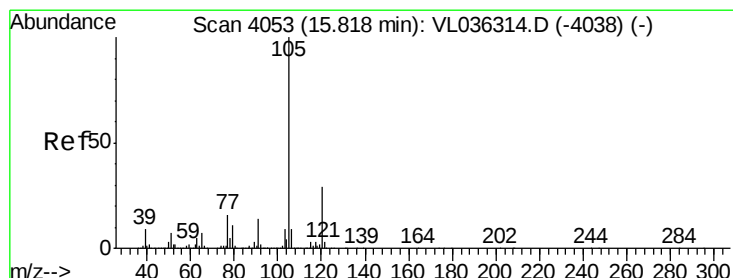
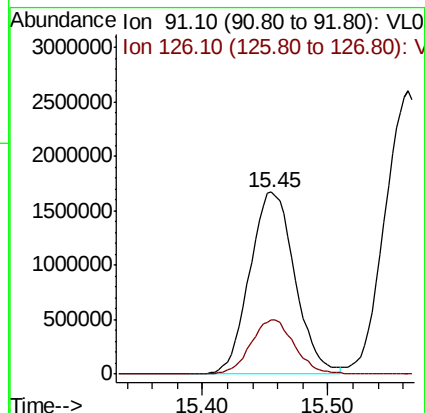
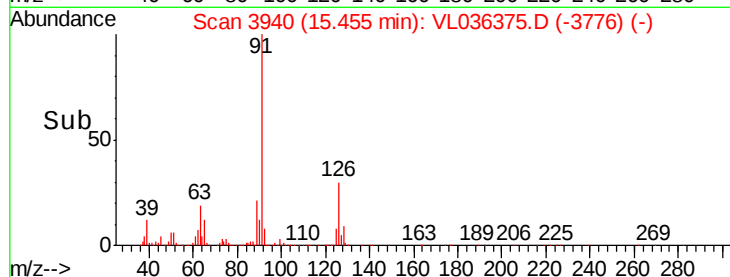
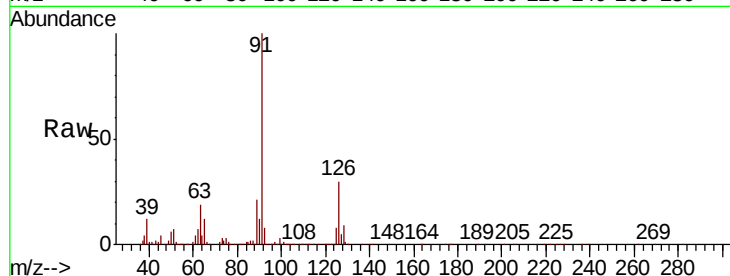
VSTDCCC010EC

Tot Ion: 91 Resp: 4189229

Ion Ratio Lower Upper

91 100

126 29.2 11.5 46.1



#72

4-Ethyltoluene

Concen: 7.527 ppbv

RT: 15.84 min Scan# 4061

Delta R.T. 0.03 min

Lab File: VL036375.D

Acq: 25 Feb 2021 7:24

Tgt Ion: 105 Resp: 4130161

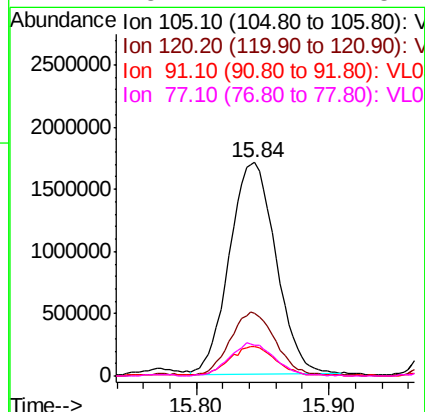
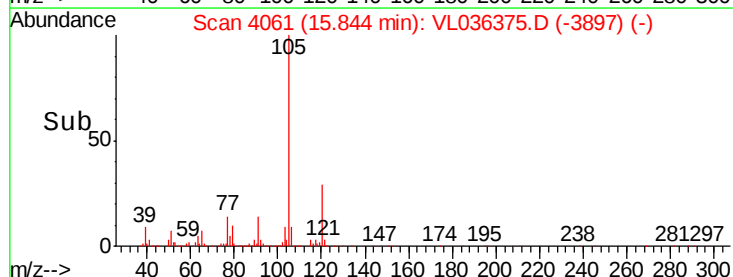
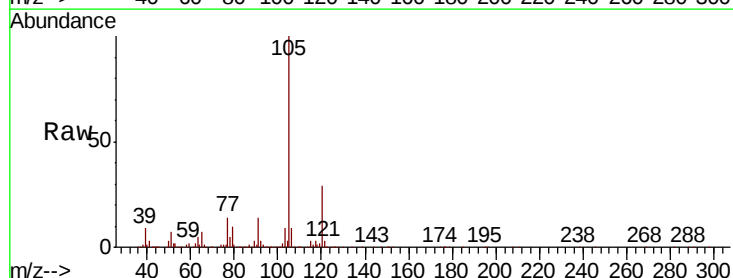
Ion Ratio Lower Upper

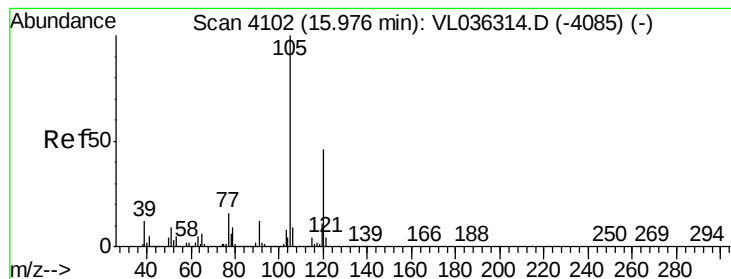
105 100

120 30.0 23.2 34.8

91 15.0 11.0 16.4

77 15.2 12.2 18.4





#73

1,3,5-Trimethylbenzene

Concen: 7.324 ppbv

RT: 16.00 min Scan# 4110

Delta R.T. 0.03 min

Lab File: VL036375.D

Acq: 25 Feb 2021 7:24

Instrument :

MSVOA_L

ClientSampleId :

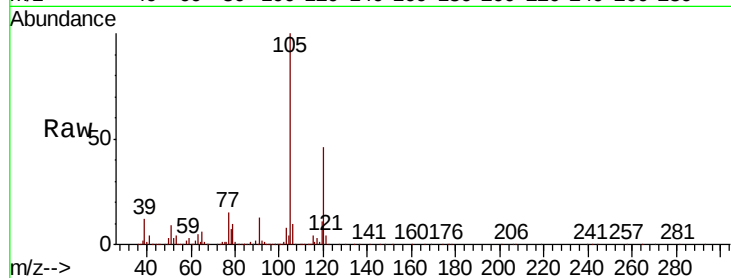
VSTDCCC010EC

Tot Ion:105 Resp: 3895632

Ion Ratio Lower Upper

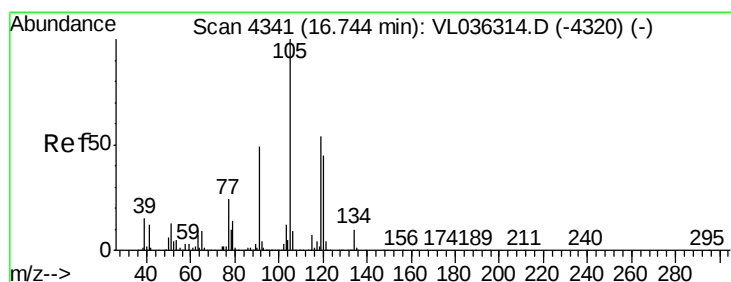
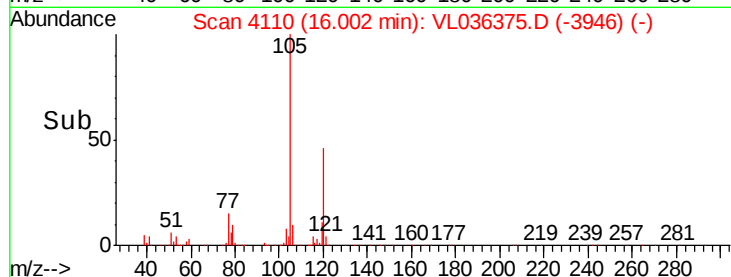
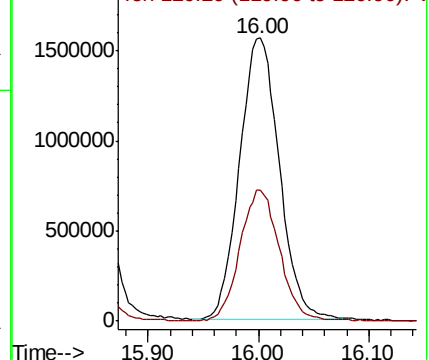
105 100

120 46.4 36.9 55.3



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: 7.326 ppbv

RT: 16.77 min Scan# 4348

Delta R.T. 0.02 min

Lab File: VL036375.D

Acq: 25 Feb 2021 7:24

Tgt Ion:105 Resp: 3978545

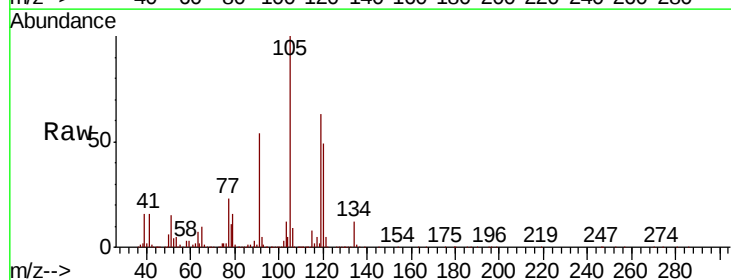
Ion Ratio Lower Upper

105 100

120 49.1 35.8 53.6

91 53.9 39.8 59.6

77 23.2 19.1 28.7

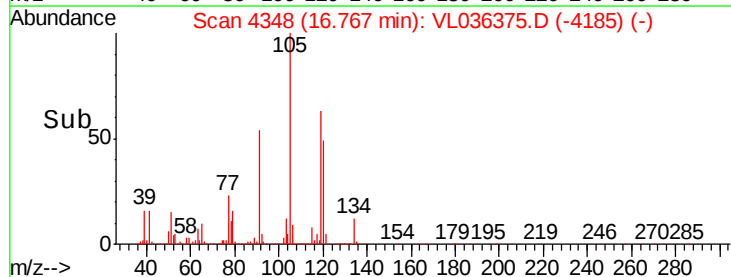
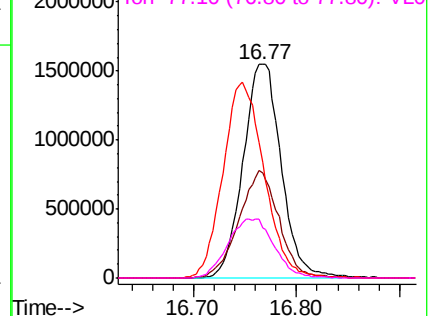


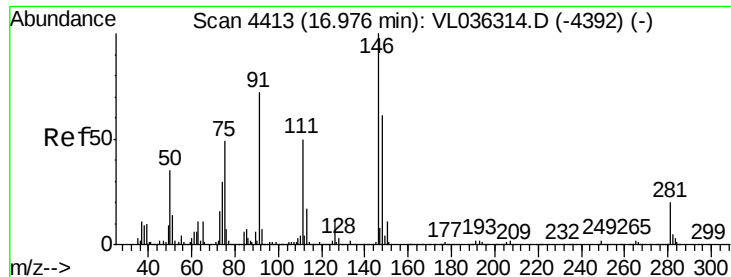
Abundance Ion 105.10 (104.80 to 105.80): V

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: 7.325 ppbv

RT: 17.00 min Scan# 4420

Delta R.T. 0.02 min

Lab File: VL036375.D

Acq: 25 Feb 2021 7:24

Instrument :

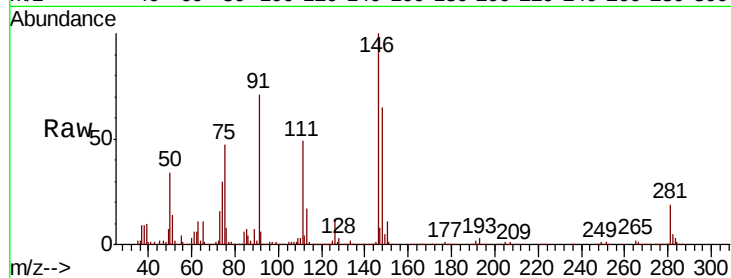
MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:146 Resp: 2159047

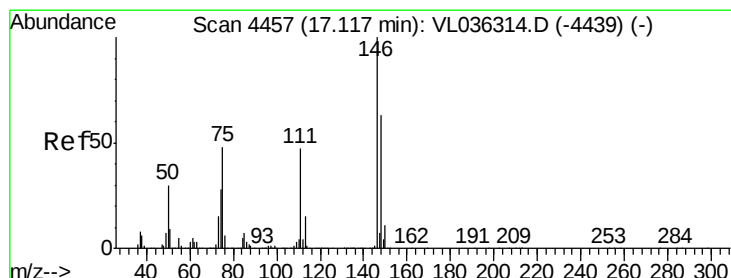
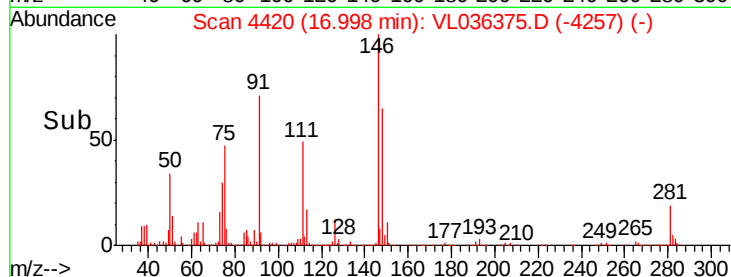
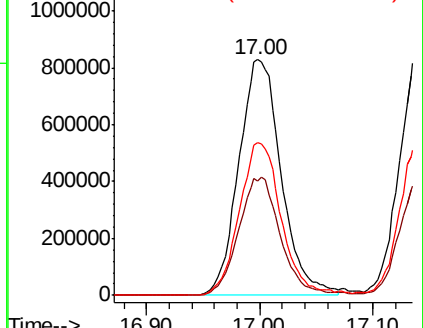
Ion	Ratio	Lower	Upper
146	100		
111	49.7	24.9	74.6
148	64.5	31.9	95.9



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: 6.873 ppbv

RT: 17.14 min Scan# 4464

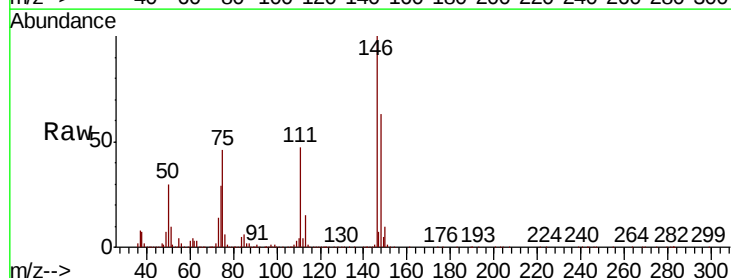
Delta R.T. 0.02 min

Lab File: VL036375.D

Acq: 25 Feb 2021 7:24

Tgt Ion:146 Resp: 2103846

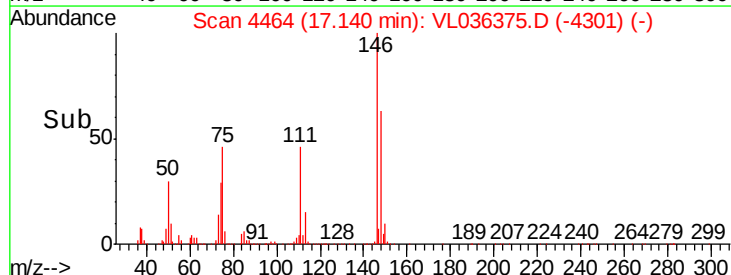
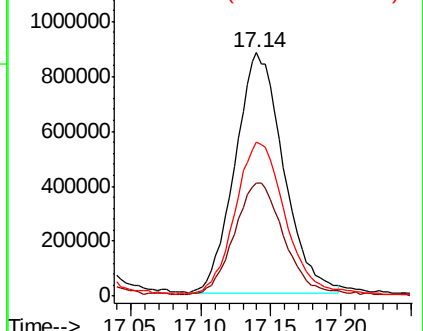
Ion	Ratio	Lower	Upper
146	100		
111	49.3	23.6	71.0
148	67.6	31.6	95.0

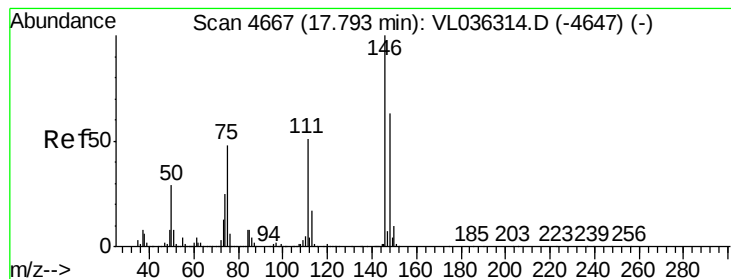


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 7.173 ppbv

RT: 17.82 min Scan# 4676

Delta R.T. 0.03 min

Lab File: VL036375.D

Acq: 25 Feb 2021 7:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

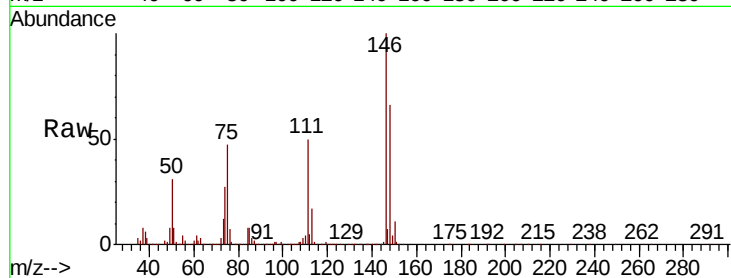
Tot Ion:146 Resp: 2097544

Ion Ratio Lower Upper

146 100

111 51.4 25.9 77.8

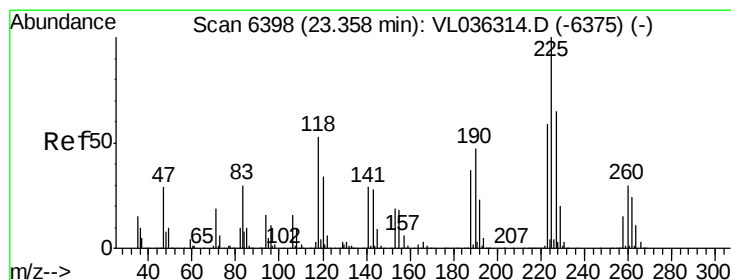
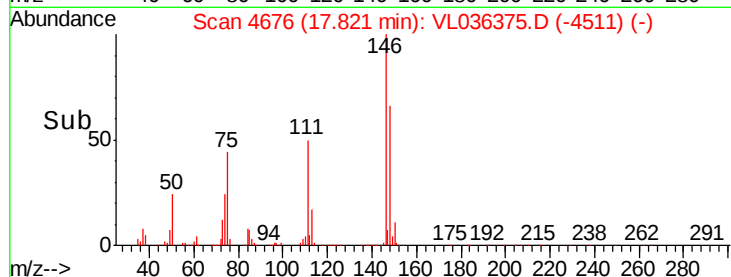
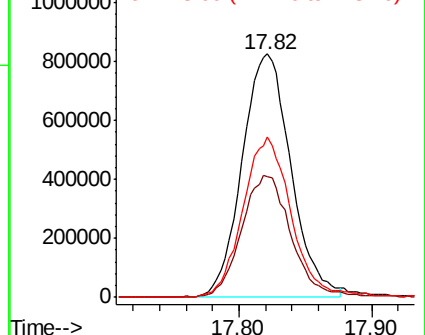
148 65.9 32.5 97.4



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: 7.268 ppbv

RT: 23.38 min Scan# 6405

Delta R.T. 0.02 min

Lab File: VL036375.D

Acq: 25 Feb 2021 7:24

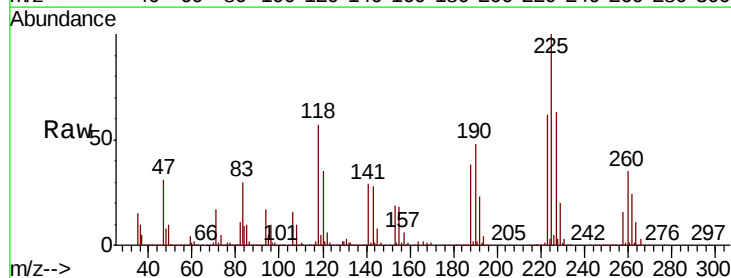
Tgt Ion:225 Resp: 1736400

Ion Ratio Lower Upper

225 100

223 63.0 50.8 76.2

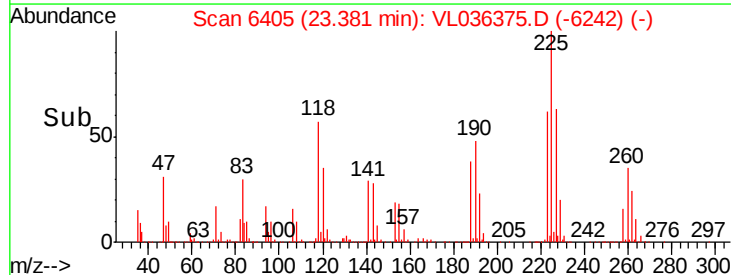
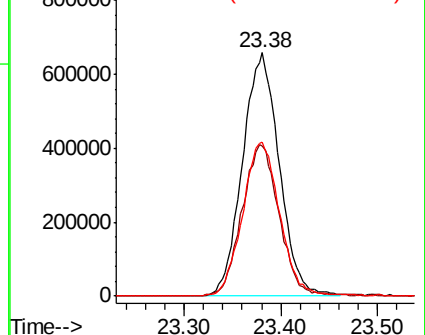
227 64.3 52.2 78.2

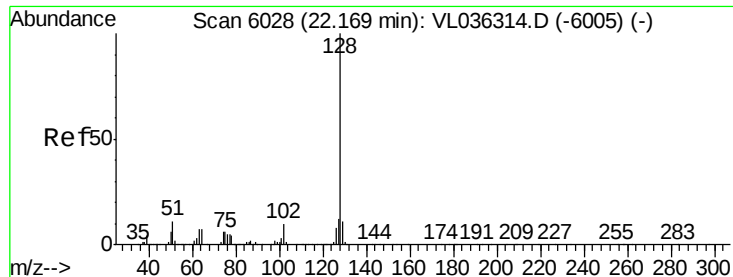


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 10.571 ppbv

RT: 22.20 min Scan# 6038

Delta R.T. 0.03 min

Lab File: VL036375.D

Acq: 25 Feb 2021 7:24

Instrument :

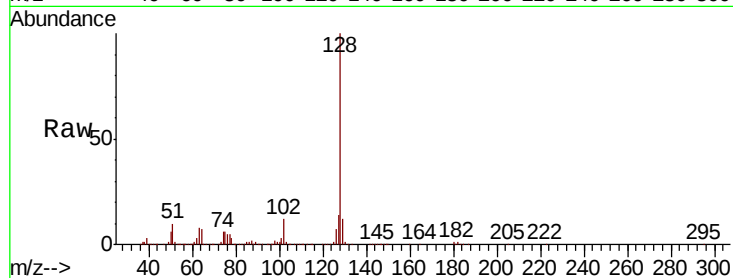
MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:128 Resp: 3402785

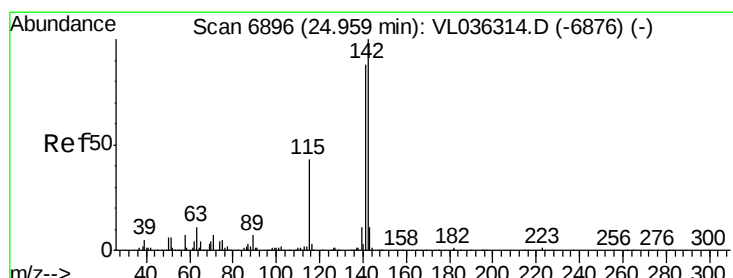
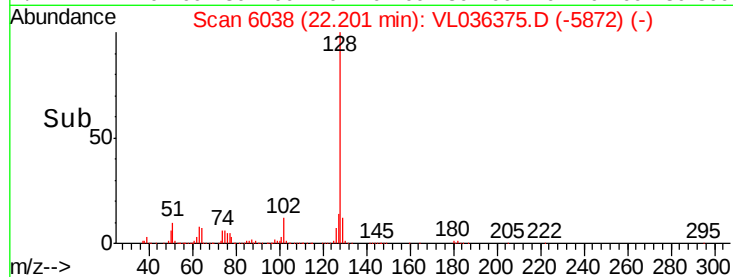
Ion	Ratio	Lower	Upper
128	100		
127	13.8	9.6	14.4
129	11.5	8.5	12.7



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: 17.385 ppbv

RT: 24.98 min Scan# 6901

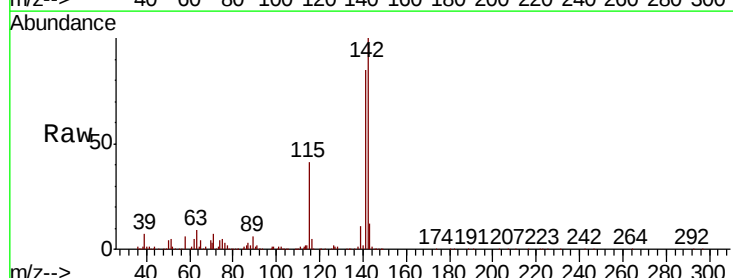
Delta R.T. 0.02 min

Lab File: VL036375.D

Acq: 25 Feb 2021 7:24

Tgt Ion:142 Resp: 1036212

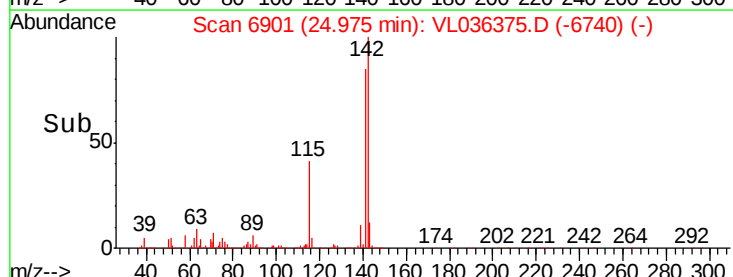
Ion	Ratio	Lower	Upper
142	100		
141	79.4	64.4	96.6
115	39.3	34.6	51.8

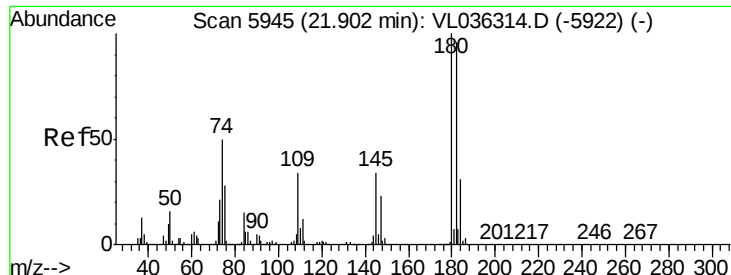


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 9.175 ppbv

RT: 21.93 min Scan# 5954

Delta R.T. 0.03 min

Lab File: VL036375.D

Acq: 25 Feb 2021 7:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

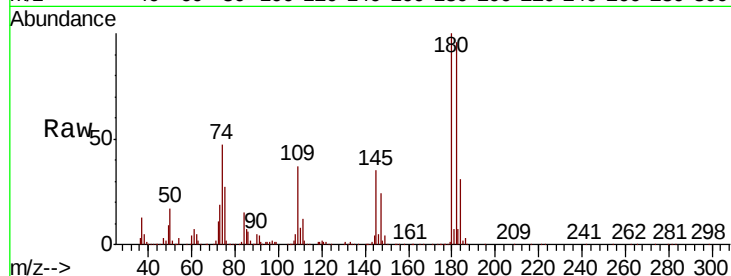
Tot Ion:180 Resp: 1801903

Ion Ratio Lower Upper

180 100

182 100.2 80.2 120.4

184 31.2 25.0 37.6



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

