

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080320\
 Data File : VL035324.D
 Acq On : 3 Aug 2020 21:06
 Operator : SY/AP
 Sample : VL0803ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0803ABS01

Quant Time: Aug 04 05:39:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 04 05:31:29 2020
 QLast Update : Tue Aug 04 05:31:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1493113	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3644211	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	4346266	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.45	95	3029226	8.32	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	83.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.00	85	1570811	8.041	ppbv	98
3) Chlorodifluoromethane	2.93	51	1446313	8.429	ppbv	98
4) Chloromethane	3.09	50	820321	8.372	ppbv	99
5) Vinyl Chloride	3.21	62	840577	8.811	ppbv	99
6) Bromomethane	3.43	94	540454	8.612	ppbv	92
7) Chloroethane	3.51	64	319479	8.424	ppbv	97
8) Dichlorotetrafluoroethane	3.14	85	1978798	8.397	ppbv	98
9) Propene	2.96	41	536636	8.655	ppbv	99
10) Heptane	8.12	43	1583166	9.949	ppbv	100
11) Trichlorofluoromethane	3.91	101	2143476	8.401	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.45	101	1500592	8.437	ppbv	99
13) Ethanol	3.56	45	139475	6.089	ppbv	99
14) Bromoethene	3.70	108	662011	9.039	ppbv	99
15) Acetone	3.81	43	1691824	7.836	ppbv	99
16) 1,3-Butadiene	3.28	39	740484	9.196	ppbv	100
17) tert-Butyl alcohol	4.25	59	1690673	8.597	ppbv	100
18) 1,1-Dichloroethene	4.25	96	694473	8.674	ppbv	99
19) Isopropyl Alcohol	3.93	45	1072389	7.907	ppbv	# 98
20) Methylene Chloride	4.31	84	623962	6.327	ppbv	92
21) Allyl Chloride	4.38	41	1097618	8.977	ppbv	99
22) trans-1,2-Dichloroethene	4.85	96	677946	8.535	ppbv	96
23) Vinyl Acetate	5.05	43	1989308	9.298	ppbv	99
24) 1,1-Dichloroethane	4.99	63	1701111	8.545	ppbv	99
25) Ethyl Acetate	5.65	43	2875326	8.810	ppbv	99
26) Hexane	5.66	57	1277718	8.744	ppbv	99
27) Carbon Disulfide	4.52	76	1793946	9.124	ppbv	99
28) Methyl tert-Butyl Ether	5.01	73	2033944	9.263	ppbv	99
29) Chloroform	5.74	83	2138235	8.651	ppbv	98
30) Cyclohexane	7.12	84	1089779	9.943	ppbv	98
31) cis-1,2-Dichloroethene	5.53	61	1279847	9.494	ppbv	97
32) 1,1,1-Trichloroethane	6.50	97	2146498	8.981	ppbv	99
34) 2-Butanone	5.22	43	1745522	9.098	ppbv	99
35) Carbon Tetrachloride	7.01	117	2204128	9.353	ppbv	99
36) Benzene	6.89	78	2541393	9.512	ppbv	99
37) 1,2-Dichloroethane	6.29	62	1676510	9.263	ppbv	99
38) Trichloroethene	7.84	130	1068739	10.886	ppbv	96
39) 1,2-Dichloropropane	7.61	63	987103	9.375	ppbv	99
40) 1,4-Dioxane	7.83	88	370450	8.101	ppbv	# 1
41) Tetrahydrofuran	6.03	42	925655	9.781	ppbv	97
42) Bromodichloromethane	7.79	83	2278028	9.225	ppbv	96
43) Methyl Methacrylate	8.01	69	1152157	10.322	ppbv	100

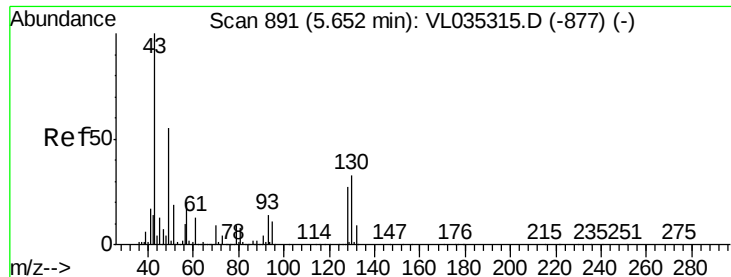
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	4340399	9.483	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1313899	11.027	ppbv	96
46) cis-1,3-Dichloropropene	8.71	75	1538370	10.784	ppbv	98
47) 1,1,2-Trichloroethane	9.48	97	604855	4.949	ppbv	94
48) Dibromochloromethane	10.32	129	1928307	9.698	ppbv	100
49) Bromoform	13.07	173	1758456	10.153	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	2654021	9.794	ppbv	99
51) 2-Hexanone	10.14	43	2161679	10.310	ppbv	98
52) Tetrachloroethene	11.24	164	963695	10.239	ppbv	98
53) Toluene	9.82	91	3002533	10.687	ppbv	100
54) 1,2-Dibromoethane	10.63	107	1724906	9.535	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.15	131	1503809	7.373	ppbv	96
57) Chlorobenzene	12.17	112	2418542	7.271	ppbv	96
58) Ethyl Benzene	12.73	91	4075705	8.559	ppbv	97
59) m/p-Xylene	13.02	91	2995509	6.817	ppbv #	6
60) o-Xylene	13.72	91	3538570	8.146	ppbv	99
61) Styrene	13.55	104	2432755	9.109	ppbv	99
62) Isopropylbenzene	14.70	105	5162133	7.878	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.71	83	2612216	7.666	ppbv	100
64) n-propylbenzene	15.59	120	1414907	8.254	ppbv	100
65) tert-Butylbenzene	16.78	119	4727004	8.056	ppbv	99
66) Benzyl Chloride	17.03	91	1892683	8.343	ppbv	100
67) sec-Butylbenzene	17.33	105	6620307	7.980	ppbv	99
69) p-Isopropyltoluene	17.69	119	5496331	8.008	ppbv	100
70) n-Butylbenzene	18.58	91	5726242	7.755	ppbv	100
71) 2-Chlorotoluene	15.49	91	4033342	8.247	ppbv	99
72) 4-Ethyltoluene	15.87	105	4141869	8.451	ppbv	100
73) 1,3,5-Trimethylbenzene	16.03	105	3921338	8.168	ppbv	99
74) 1,2,4-Trimethylbenzene	16.80	105	4175603	7.586	ppbv #	92
75) 1,3-Dichlorobenzene	17.03	146	2428190	7.091	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	2403034	7.414	ppbv	99
77) 1,2-Dichlorobenzene	17.86	146	2337593	7.402	ppbv	99
78) Hexachloro-1,3-Butadiene	23.42	225	1721205	6.713	ppbv	99
79) Naphthalene	22.25	128	3550827	8.150	ppbv	98
80) Naphthalene, 2-methyl-	25.01	142	1142085	8.928	ppbv	98
81) 1,2,4-Trichlorobenzene	21.98	180	2002988	7.557	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.00 min

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ClientSampleId :

VL0803ABS01

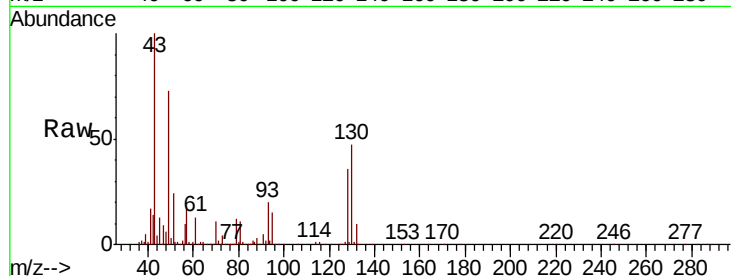
Tot Ion: 49 Resp: 1493113

Ion Ratio Lower Upper

49 100

128 49.1 23.8 71.5

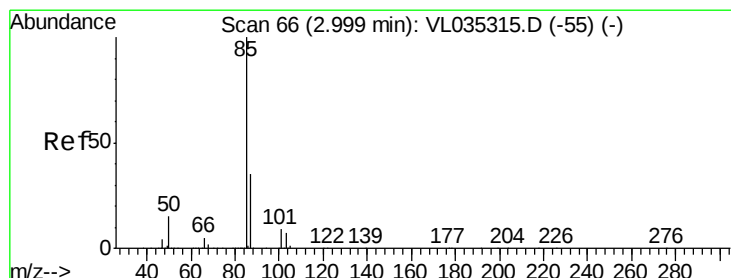
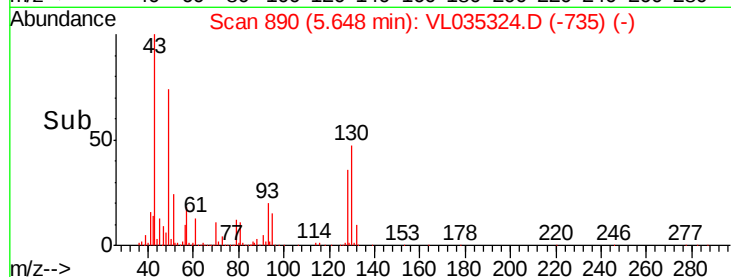
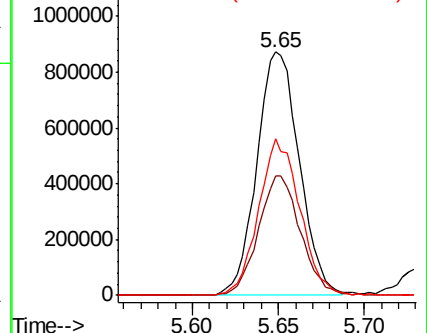
130 62.8 31.4 94.3



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: 8.041 ppbv

RT: 3.00 min Scan# 65

Delta R.T. -0.00 min

Lab File: VL035324.D

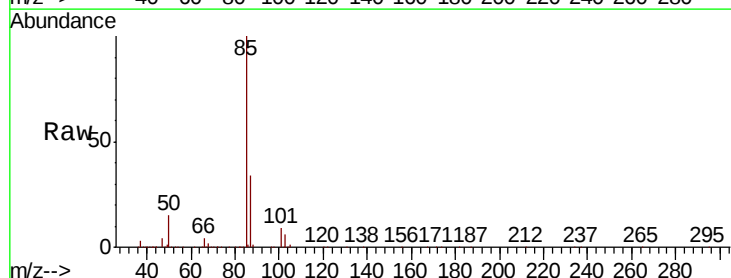
Acq: 3 Aug 2020 21:06

Tgt Ion: 85 Resp: 1570811

Ion Ratio Lower Upper

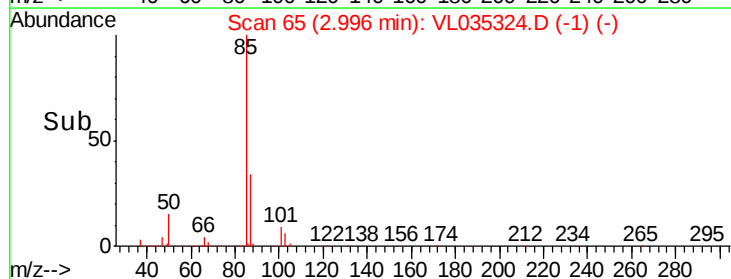
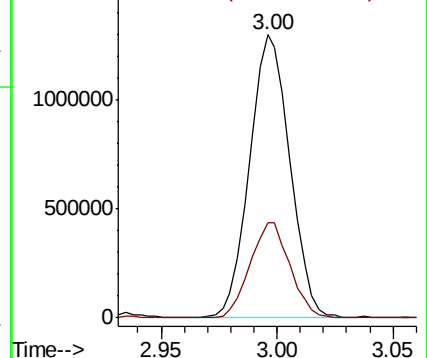
85 100

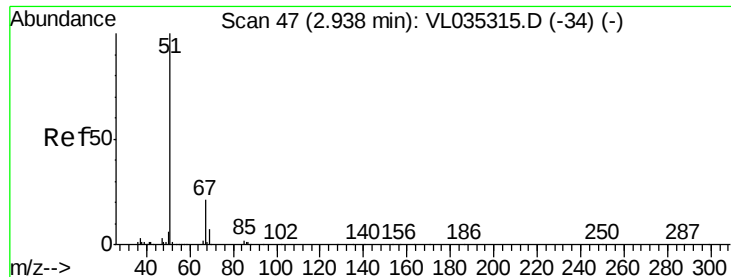
87 33.5 27.8 41.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 8.429 ppbv

RT: 2.93 min Scan# 46

Delta R.T. -0.00 min

Lab File: VL035324.D

Acq: 3 Aug 2020 21:06

Instrument :

MSVOA_L

ClientSampleId :

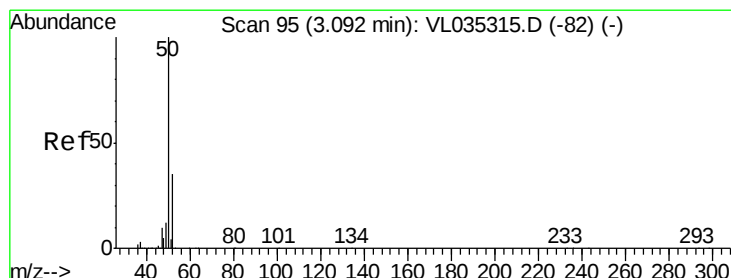
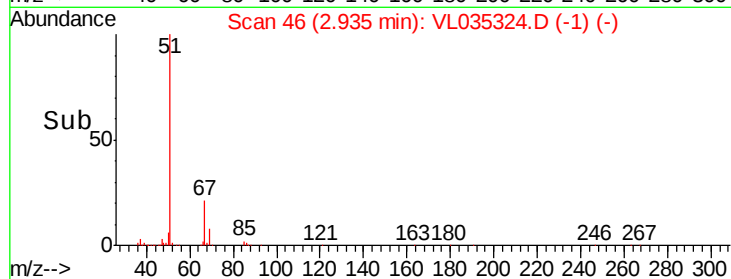
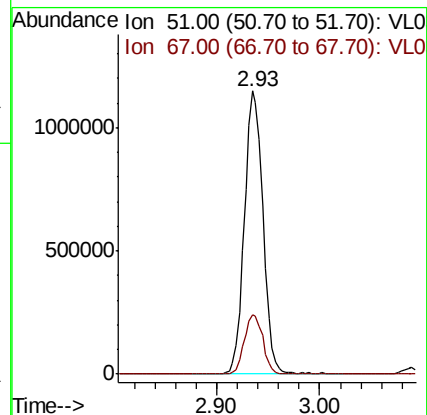
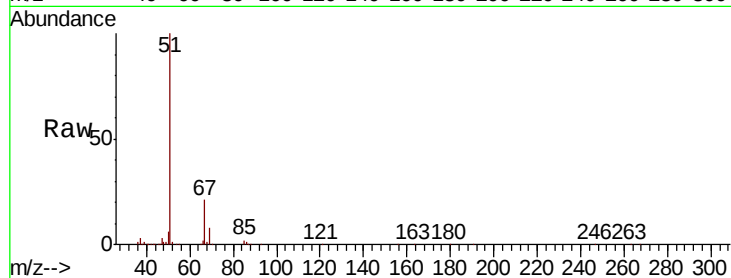
VL0803ABS01

Tot Ion: 51 Resp: 1446313

Ion Ratio Lower Upper

51 100

67 21.2 16.2 24.2



#4

Chloromethane

Concen: 8.372 ppbv

RT: 3.09 min Scan# 94

Delta R.T. -0.00 min

Lab File: VL035324.D

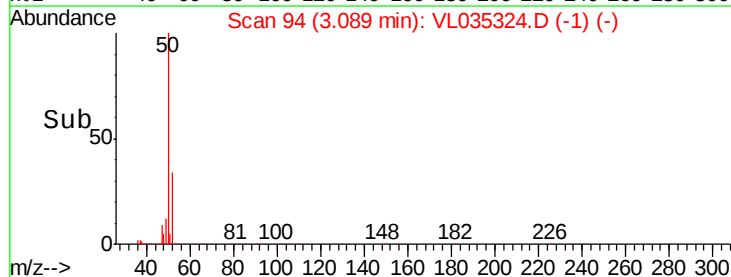
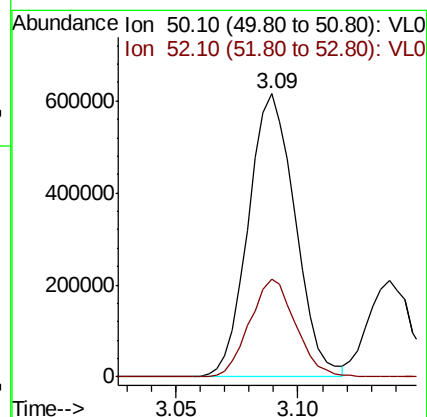
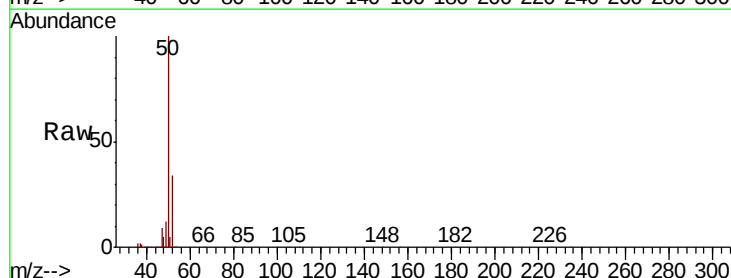
Acq: 3 Aug 2020 21:06

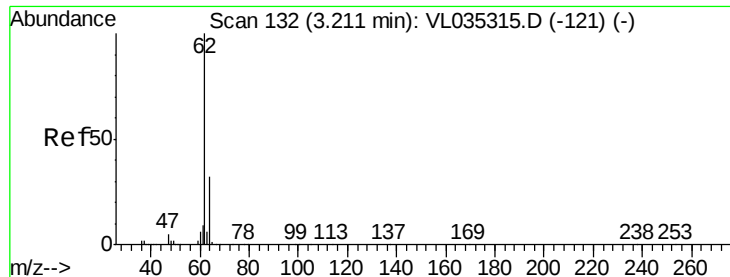
Tgt Ion: 50 Resp: 820321

Ion Ratio Lower Upper

50 100

52 34.4 27.8 41.8





#5

Vinyl Chloride

Concen: 8.811 ppbv

RT: 3.21 min Scan# 131

Delta R.T. -0.00 min

Lab File: VL035324.D

Acq: 3 Aug 2020 21:06

Instrument :

MSVOA_L

ClientSampleId :

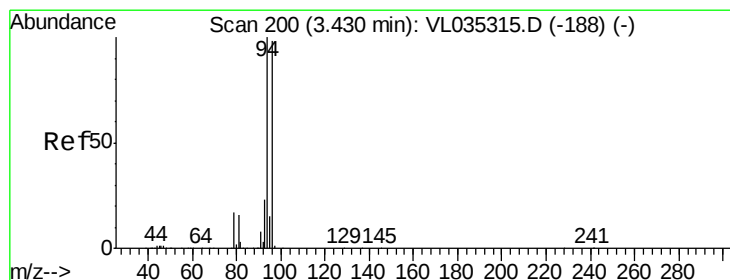
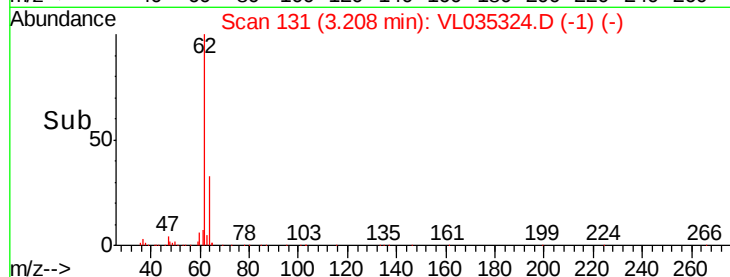
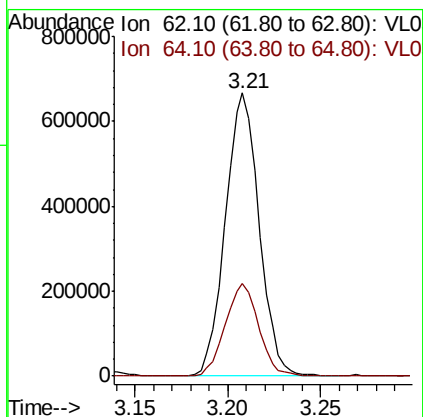
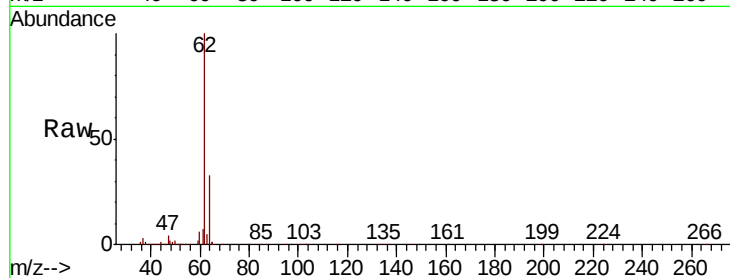
VL0803ABS01

Tot Ion: 62 Resp: 840577

Ion Ratio Lower Upper

62 100

64 32.9 25.9 38.9



#6

Bromomethane

Concen: 8.612 ppbv

RT: 3.43 min Scan# 199

Delta R.T. -0.00 min

Lab File: VL035324.D

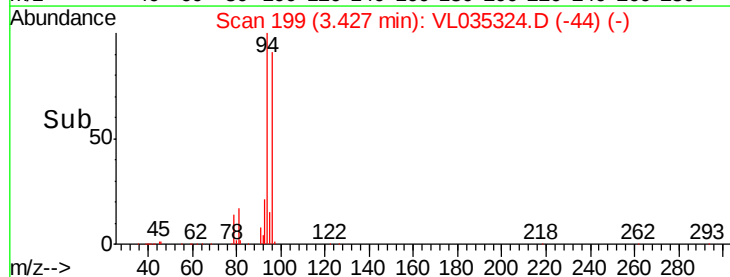
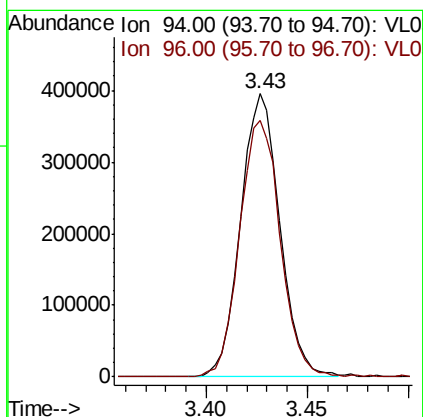
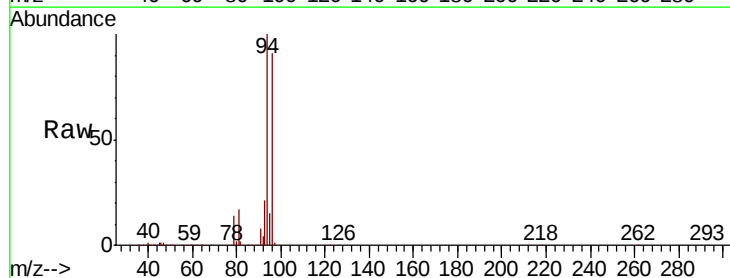
Acq: 3 Aug 2020 21:06

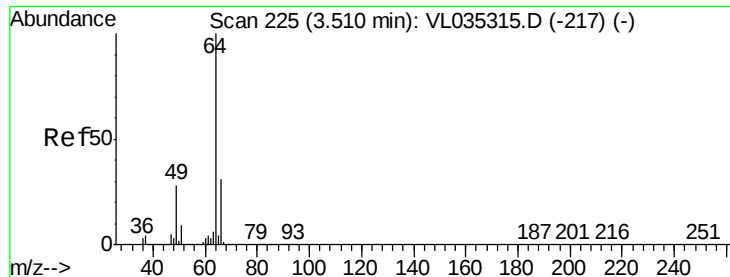
Tgt Ion: 94 Resp: 540454

Ion Ratio Lower Upper

94 100

96 90.6 78.6 117.8





#7

Chloroethane

Concen: 8.424 ppbv

RT: 3.51 min Scan# 225

Delta R.T. 0.00 min

Lab File: VL035324.D

Acq: 3 Aug 2020 21:06

Instrument :

MSVOA_L

ClientSampleId :

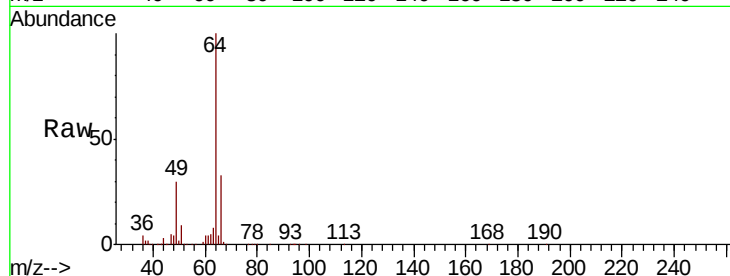
VL0803ABS01

Tot Ion: 64 Resp: 319479

Ion Ratio Lower Upper

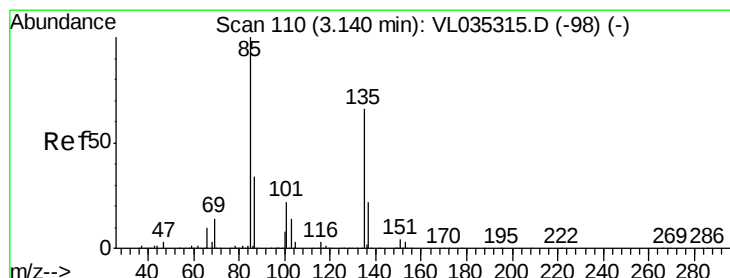
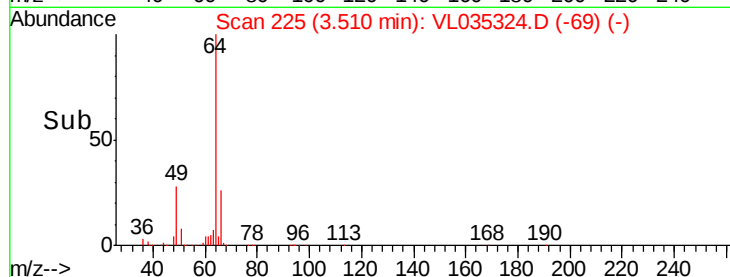
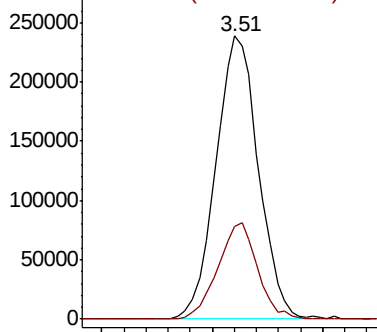
64 100

66 32.7 24.9 37.3



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 8.397 ppbv

RT: 3.14 min Scan# 109

Delta R.T. -0.00 min

Lab File: VL035324.D

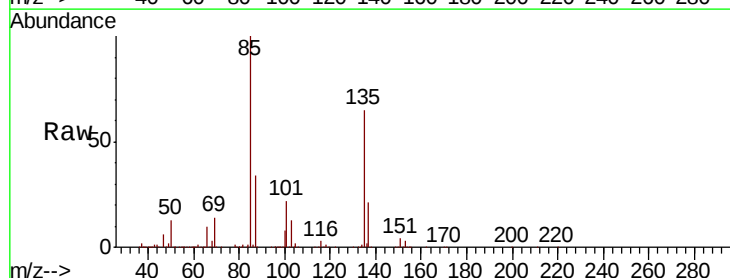
Acq: 3 Aug 2020 21:06

Tgt Ion: 85 Resp: 1978798

Ion Ratio Lower Upper

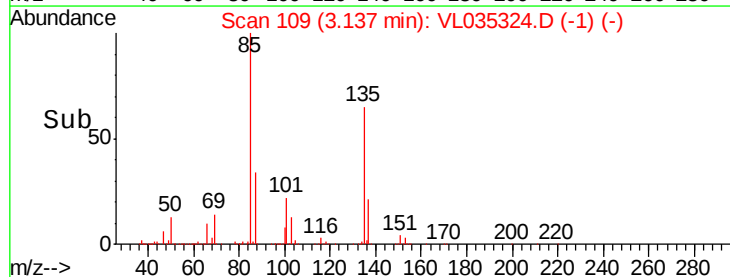
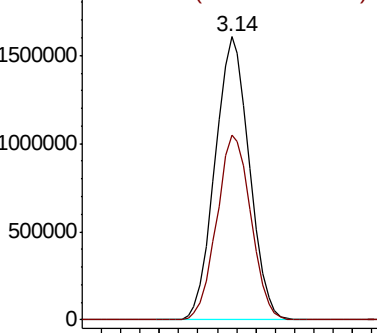
85 100

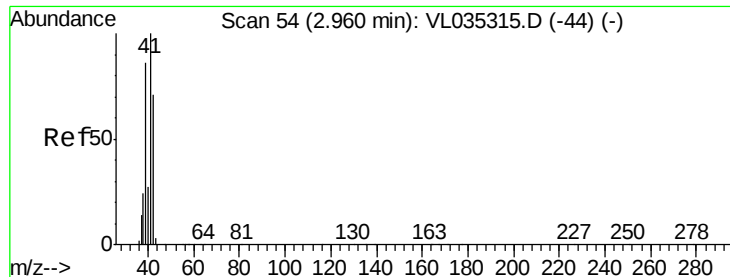
135 65.4 53.4 80.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 8.655 ppbv

RT: 2.96 min Scan# 53

Delta R.T. -0.00 min

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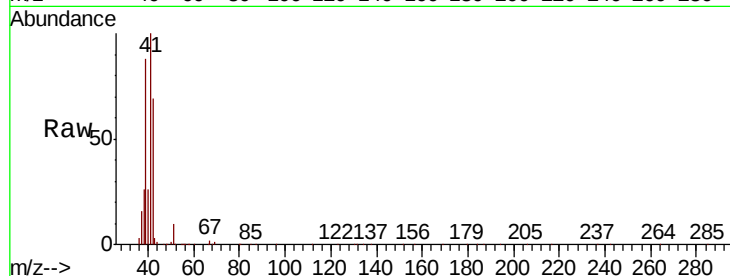
VL0803ABS01

Tot Ion: 41 Resp: 536636

Ion Ratio Lower Upper

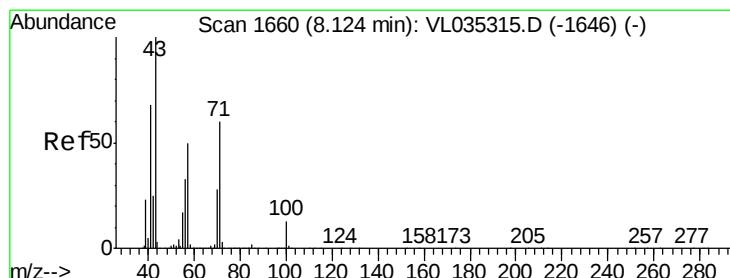
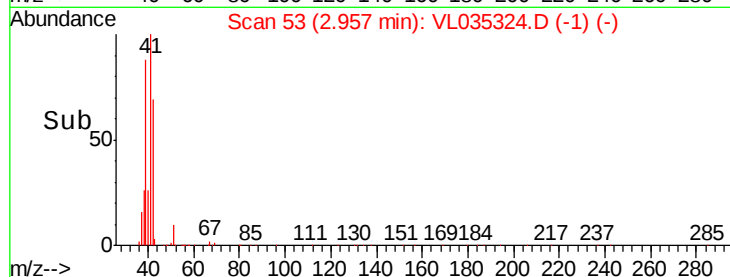
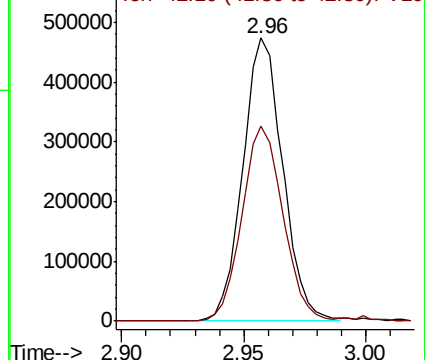
41 100

42 72.1 56.8 85.2



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 9.949 ppbv

RT: 8.12 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VL035324.D

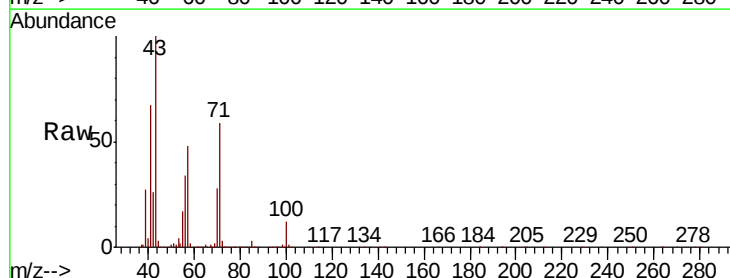
Acq: 3 Aug 2020 21:06

Tgt Ion: 43 Resp: 1583166

Ion Ratio Lower Upper

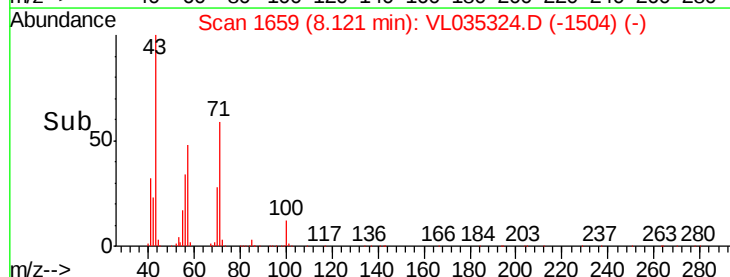
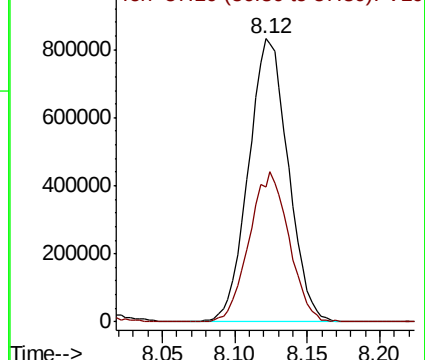
43 100

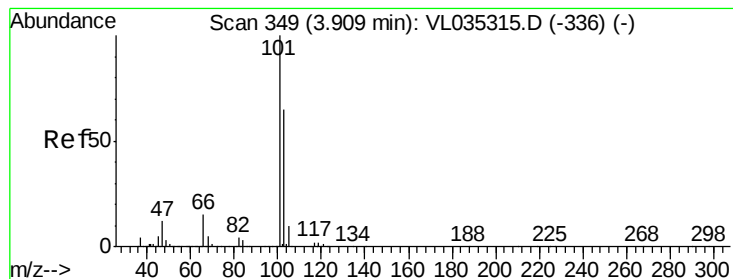
57 53.0 42.4 63.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 8.401 ppbv

RT: 3.91 min Scan# 349

Delta R.T. 0.00 min

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Acq: 3 Aug 2020 21:06

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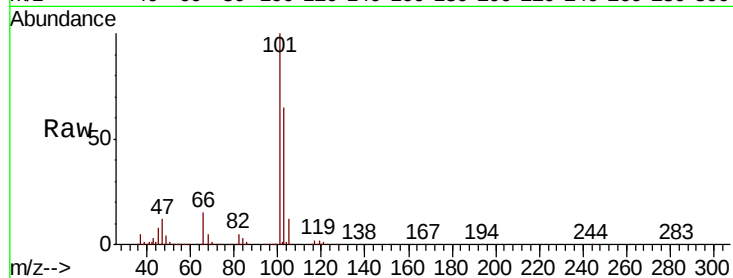
VL0803ABS01

Tot Ion:101 Resp: 2143476

Ion Ratio Lower Upper

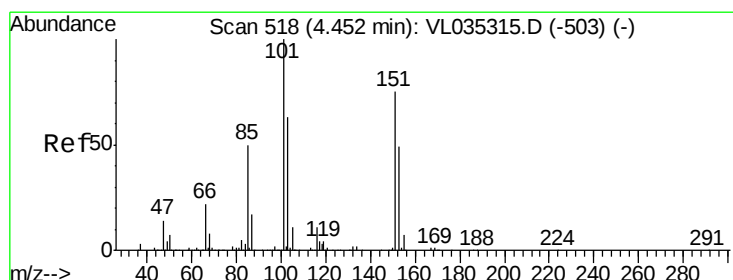
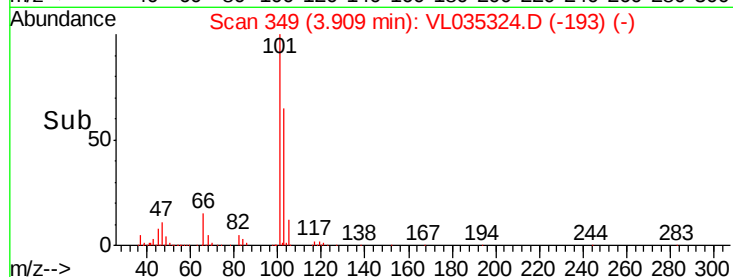
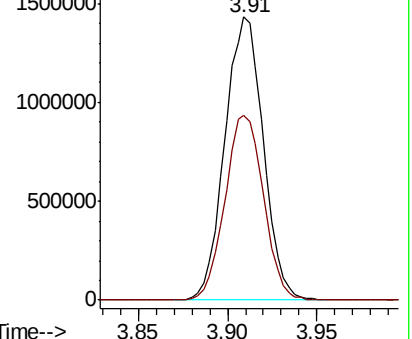
101 100

103 65.1 51.8 77.6



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: 8.437 ppbv

RT: 4.45 min Scan# 517

Delta R.T. -0.00 min

Lab File: VL035324.D

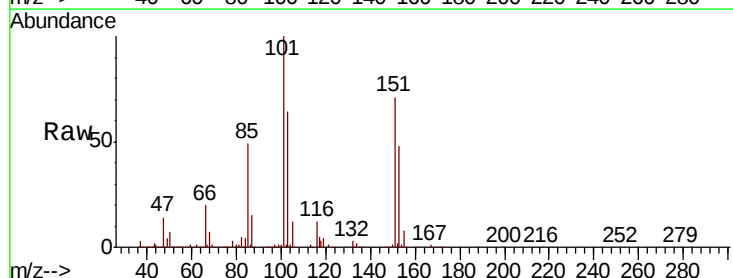
Acq: 3 Aug 2020 21:06

Tgt Ion:101 Resp: 1500592

Ion Ratio Lower Upper

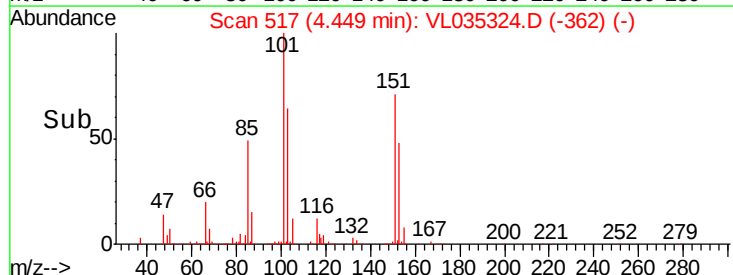
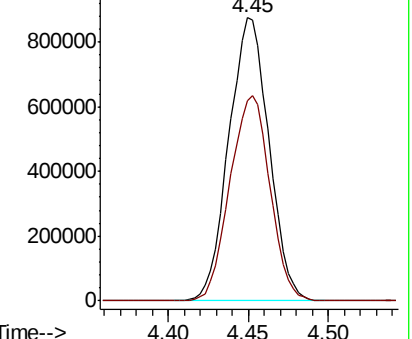
101 100

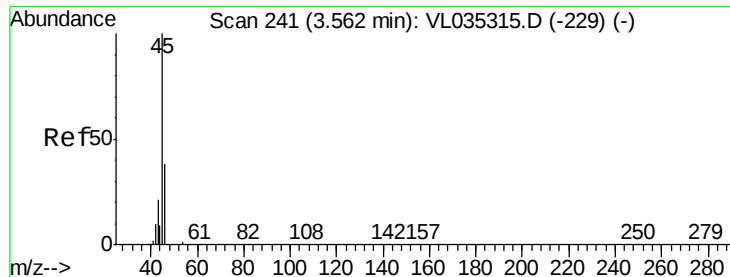
151 72.6 58.9 88.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 6.089 ppbv

RT: 3.56 min Scan# 240

Delta R.T. -0.00 min

Lab File: VL035324.D

Acq: 3 Aug 2020 21:06

Instrument :

MSVOA_L

ClientSampleId :

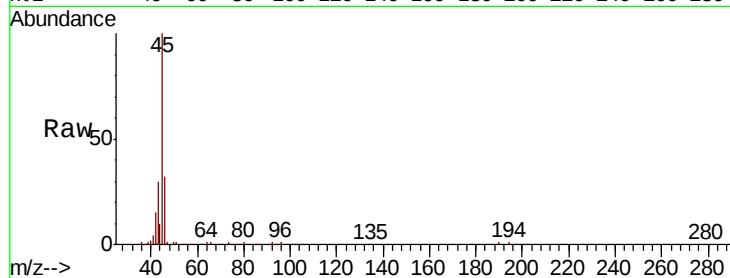
VL0803ABS01

Tot Ion: 45 Resp: 139475

Ion Ratio Lower Upper

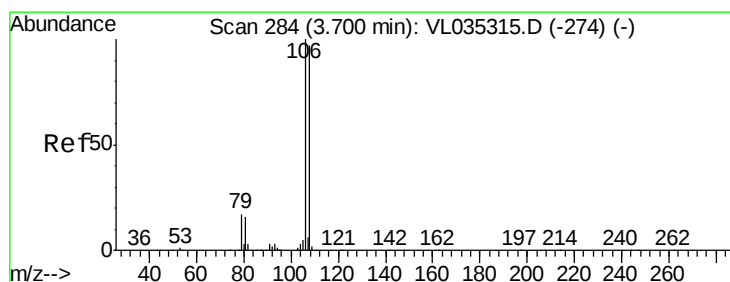
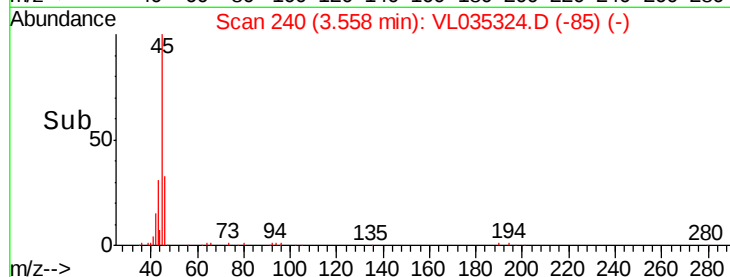
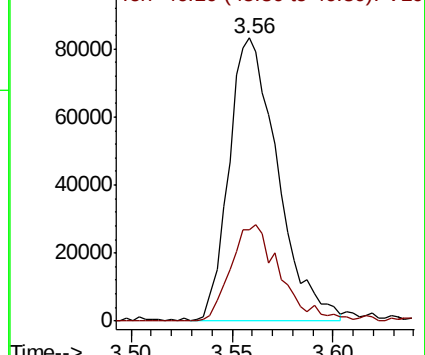
45 100

46 35.9 14.5 57.9



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 9.039 ppbv

RT: 3.70 min Scan# 283

Delta R.T. -0.00 min

Lab File: VL035324.D

Acq: 3 Aug 2020 21:06

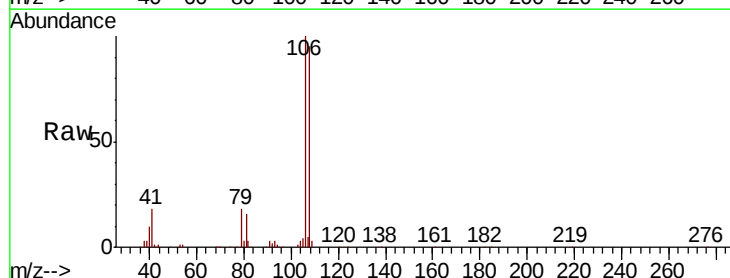
Tgt Ion: 108 Resp: 662011

Ion Ratio Lower Upper

108 100

106 106.5 86.2 129.2

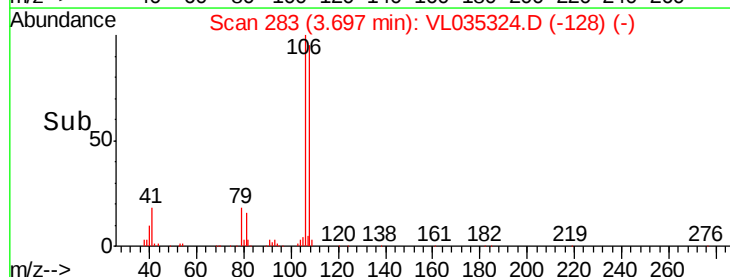
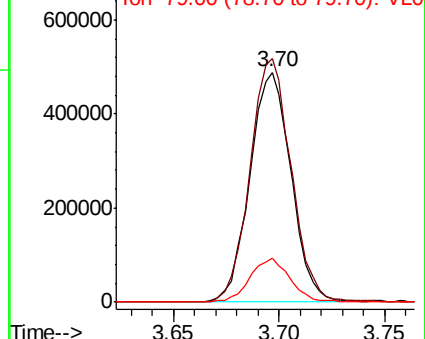
79 18.5 14.0 21.0

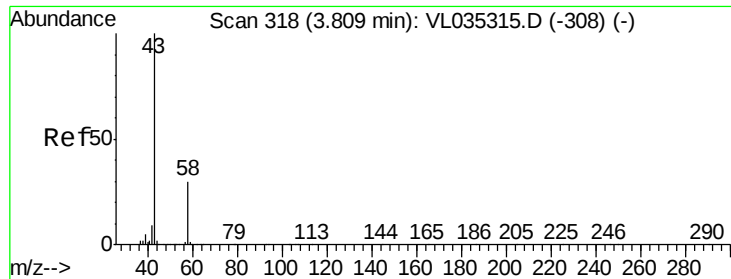


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0

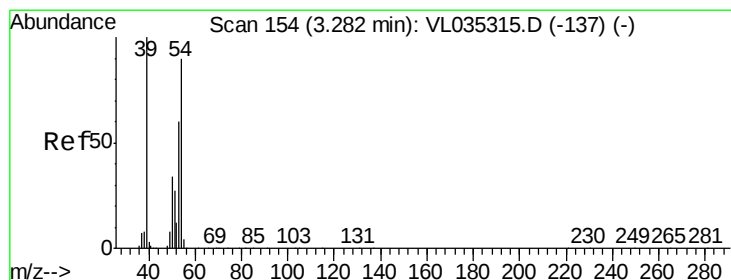
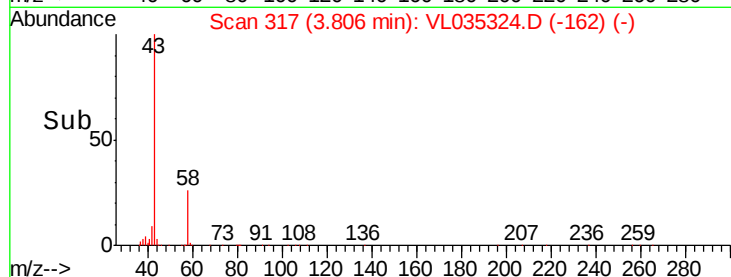
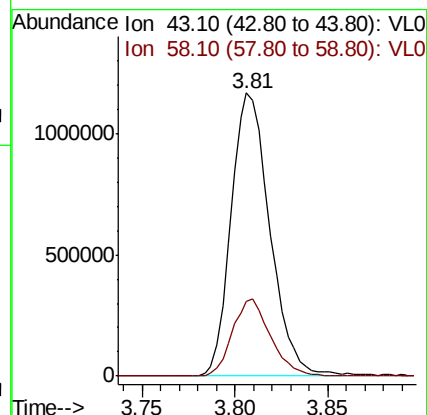
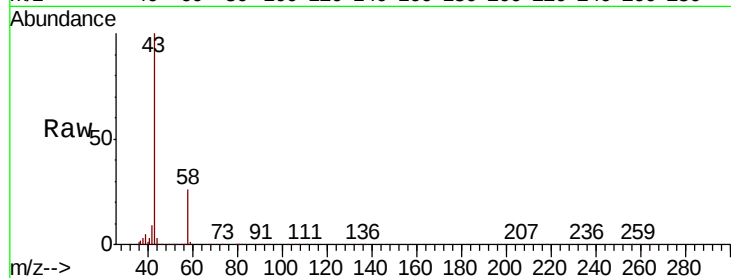




#15
Acetone
Concen: 7.836 ppbv
RT: 3.81 min Scan# 317
Delta R.T. -0.00 min
Lab File: VL035324.D
Acq: 3 Aug 2020 21:06

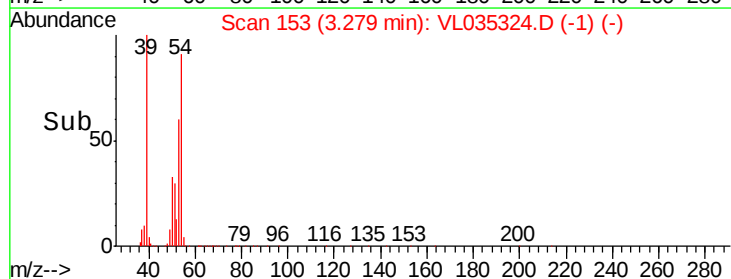
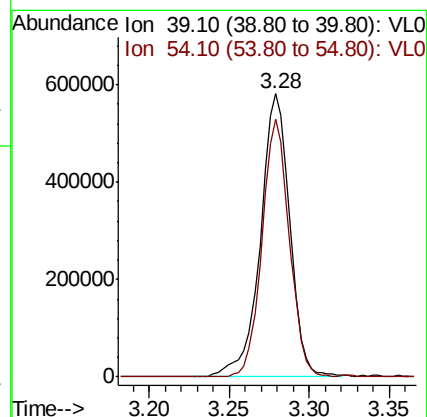
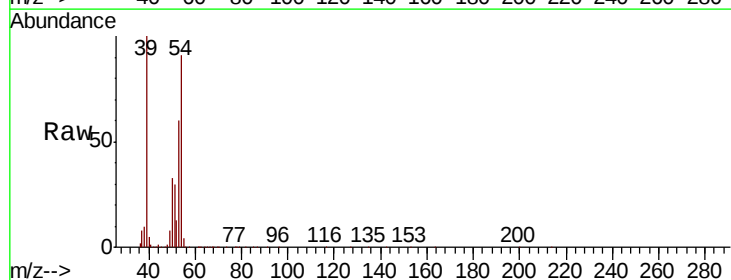
Instrument :
MSVOA_L
ClientSampleId :
VL0803ABS01

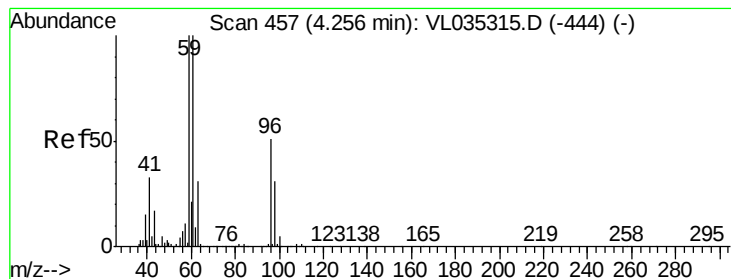
Tot Ion: 43 Resp: 1691824
Ion Ratio Lower Upper
43 100
58 27.1 22.1 33.1



#16
1,3-Butadiene
Concen: 9.196 ppbv
RT: 3.28 min Scan# 153
Delta R.T. -0.00 min
Lab File: VL035324.D
Acq: 3 Aug 2020 21:06

Tgt Ion: 39 Resp: 740484
Ion Ratio Lower Upper
39 100
54 85.0 68.0 102.0





#17

tert-Butyl alcohol
Concen: 8.597 ppbv
RT: 4.25 min Scan# 456
Delta R.T. -0.00 min
Lab File: VL035324.D
Acq: 3 Aug 2020 21:06

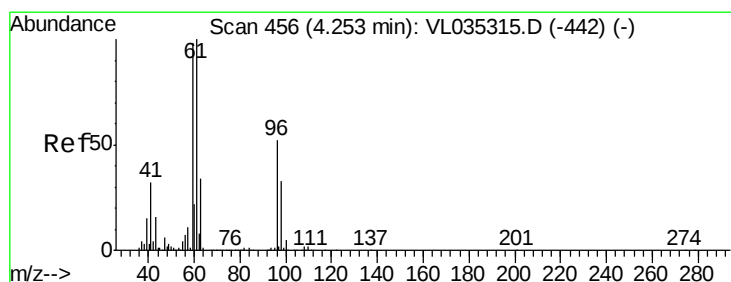
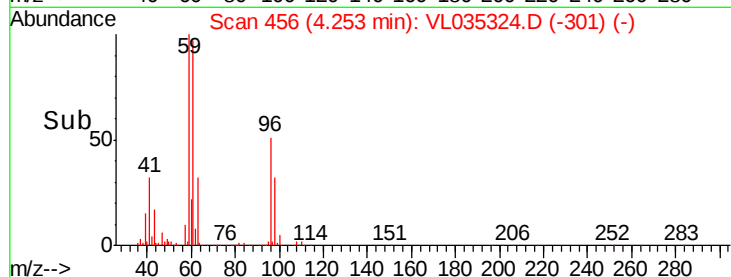
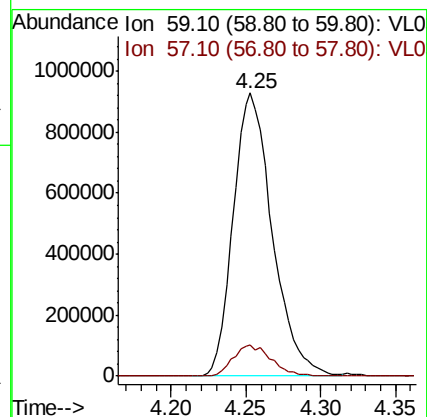
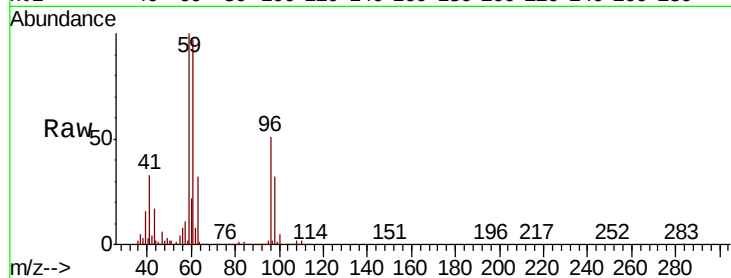
Instrument :
MSVOA_L
ClientSampleId :
VL0803ABS01

Tot Ion: 59 Resp: 1690673

Ion Ratio Lower Upper

59 100

57 10.9 8.6 13.0



#18

1,1-Dichloroethene
Concen: 8.674 ppbv
RT: 4.25 min Scan# 456
Delta R.T. 0.00 min
Lab File: VL035324.D
Acq: 3 Aug 2020 21:06

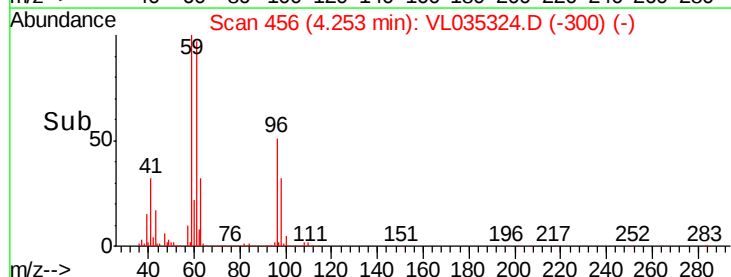
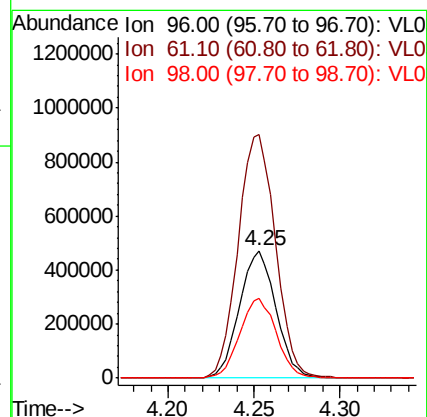
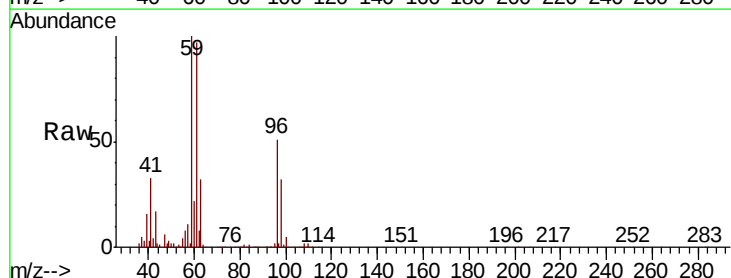
Tgt Ion: 96 Resp: 694473

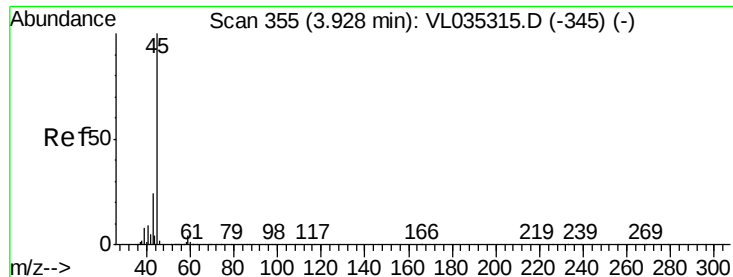
Ion Ratio Lower Upper

96 100

61 191.2 154.9 232.3

98 62.9 51.0 76.4





#19

Isopropyl Alcohol

Concen: 7.907 ppbv

RT: 3.93 min Scan# 354

Delta R.T. -0.00 min

Lab File: VL035324.D

Acq: 3 Aug 2020 21:06

Instrument :

MSVOA_L

ClientSampleId :

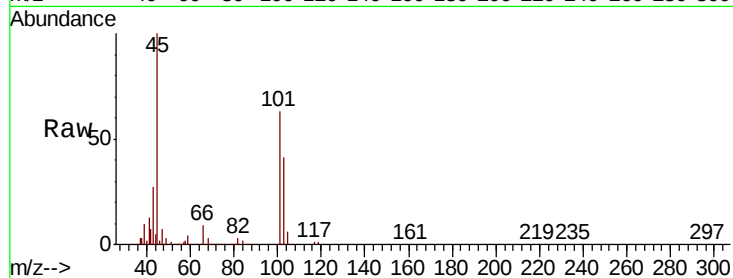
VL0803ABS01

Tot Ion: 45 Resp: 1072389

Ion Ratio Lower Upper

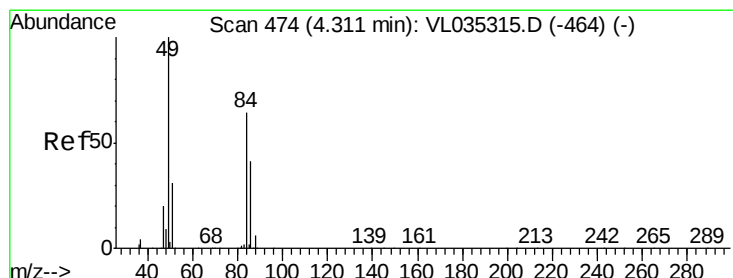
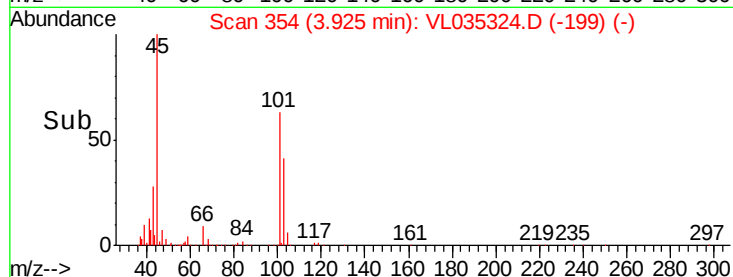
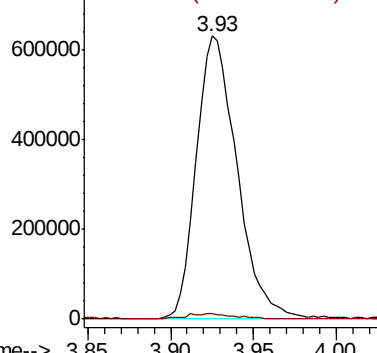
45 100

58 2.6 1.5 2.3#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 6.327 ppbv

RT: 4.31 min Scan# 473

Delta R.T. -0.00 min

Lab File: VL035324.D

Acq: 3 Aug 2020 21:06

Tgt Ion: 84 Resp: 623962

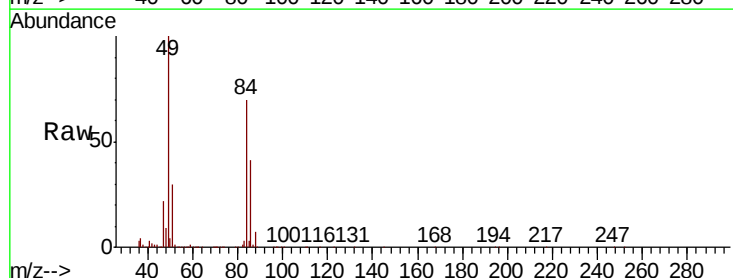
Ion Ratio Lower Upper

84 100

49 142.7 124.2 186.2

51 42.4 38.6 58.0

86 59.7 51.0 76.4

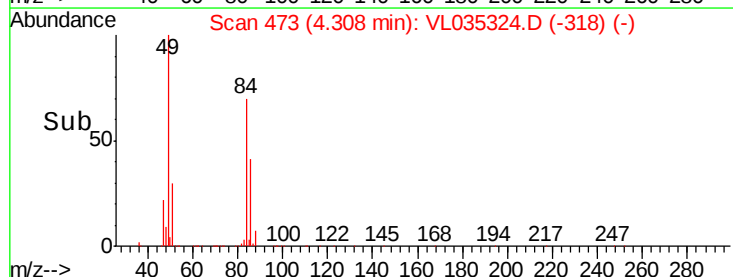
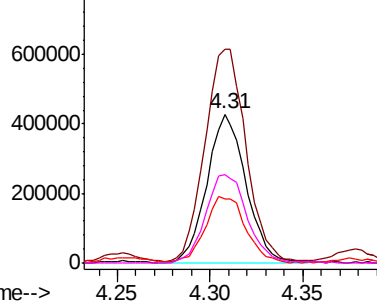


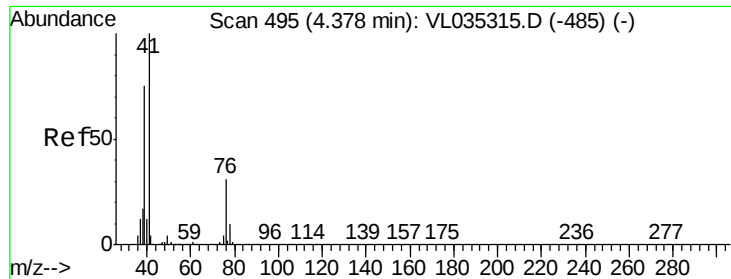
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

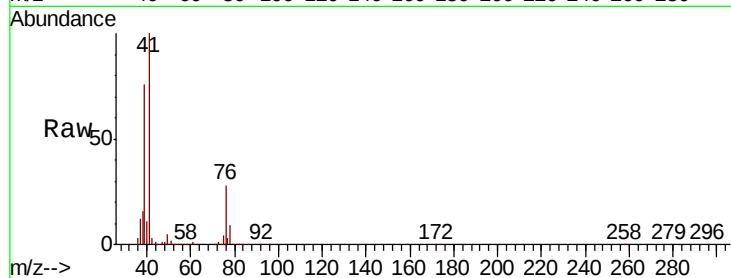




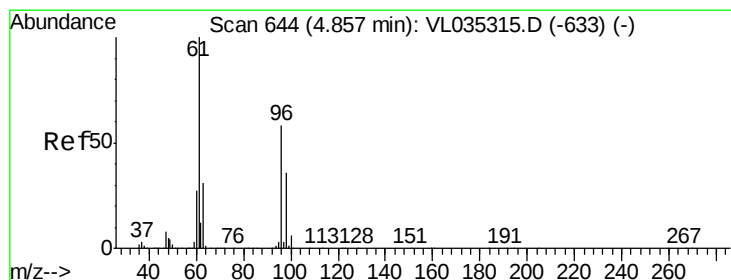
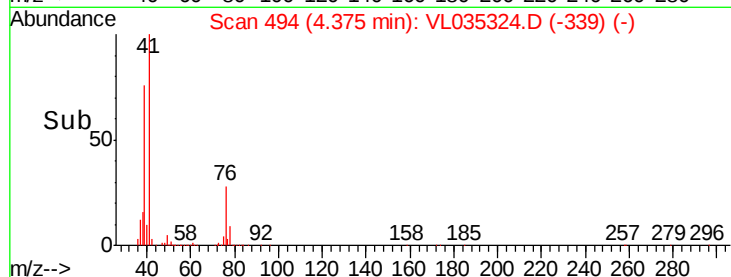
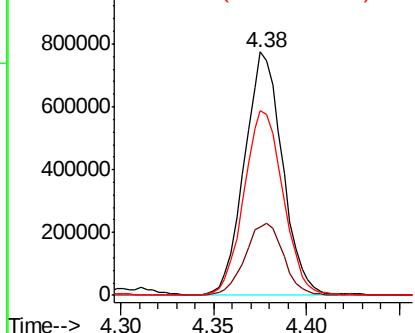
#21
Allvl Chloride
Concen: 8.977 ppbv
RT: 4.38 min Scan# 494
Delta R.T. -0.00 min
Lab File: VL035324.D
Acq: 3 Aug 2020 21:06

Instrument :
MSVOA_L
ClientSampleId :
VL0803ABS01

Tot Ion: 41 Resp: 1097618
Ion Ratio Lower Upper
41 100
76 30.4 24.4 36.6
39 78.9 61.8 92.6

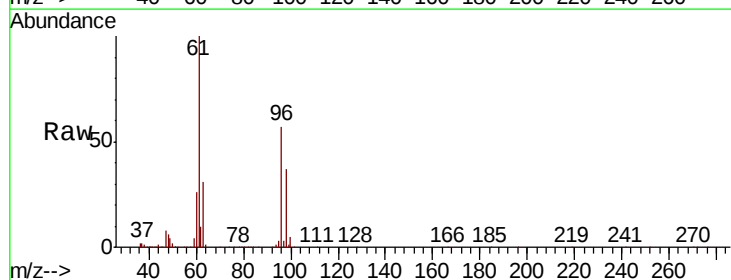


Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0

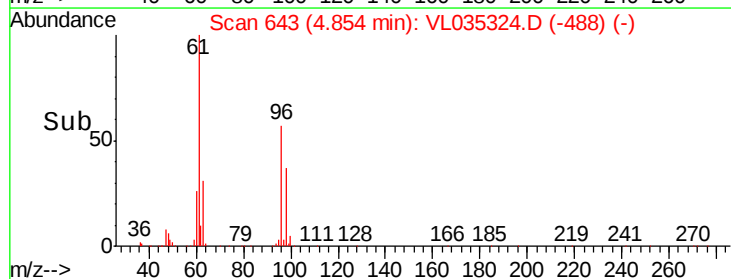
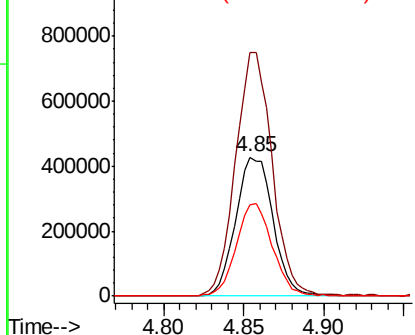


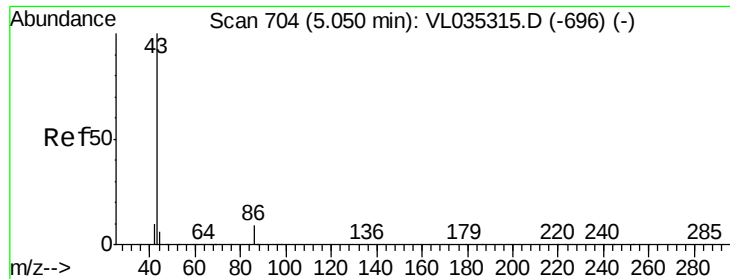
#22
trans-1,2-Dichloroethene
Concen: 8.535 ppbv
RT: 4.85 min Scan# 643
Delta R.T. -0.00 min
Lab File: VL035324.D
Acq: 3 Aug 2020 21:06

Tgt Ion: 96 Resp: 677946
Ion Ratio Lower Upper
96 100
61 175.5 136.8 205.2
98 65.5 49.2 73.8



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





#23

Vinyl Acetate

Concen: 9.298 ppbv

RT: 5.05 min Scan# 703

Delta R.T. -0.00 min

Lab File: VL035324.D

Acq: 3 Aug 2020 21:06

Instrument :

MSVOA_L

ClientSampleId :

VL0803ABS01

Tot Ion: 43 Resp: 1989308

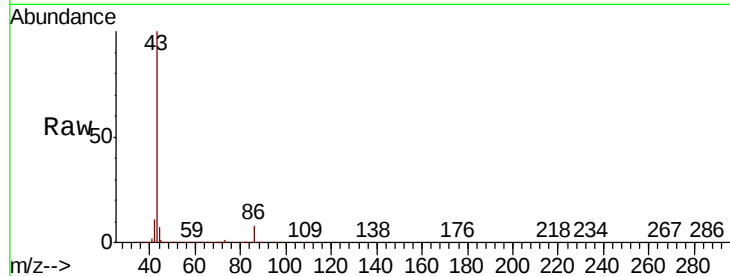
Ion Ratio Lower Upper

43 100

86 8.3 6.5 9.7

42 11.3 8.2 12.4

44 6.4 5.0 7.6

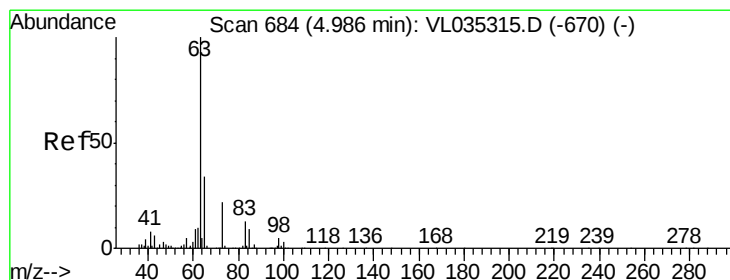
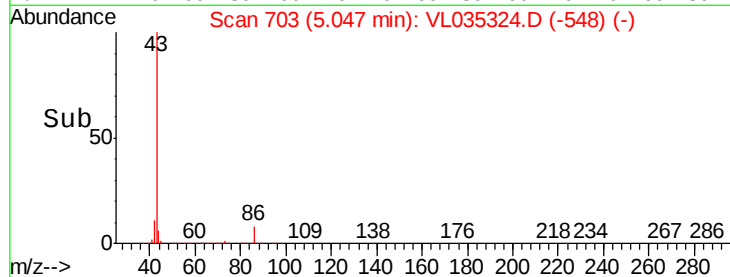
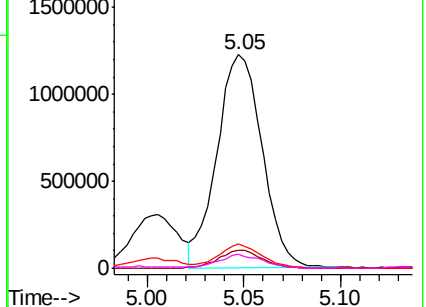


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 8.545 ppbv

RT: 4.99 min Scan# 684

Delta R.T. 0.00 min

Lab File: VL035324.D

Acq: 3 Aug 2020 21:06

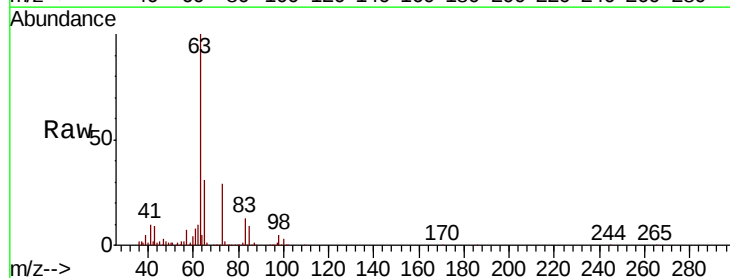
Tgt Ion: 63 Resp: 1701111

Ion Ratio Lower Upper

63 100

98 4.5 2.5 7.5

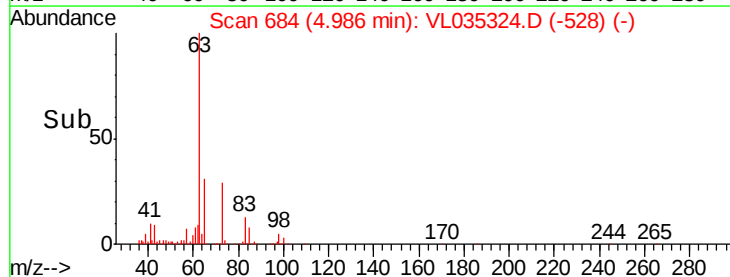
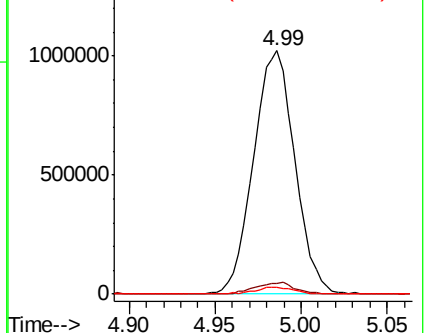
100 2.9 1.5 4.4

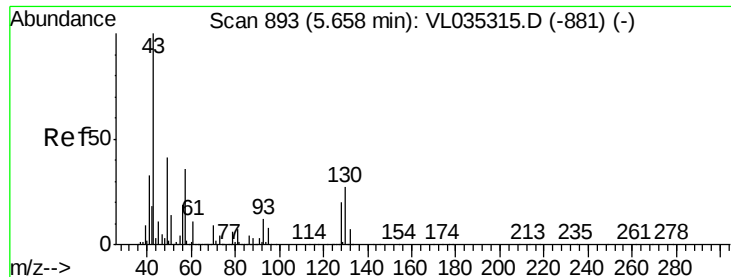


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



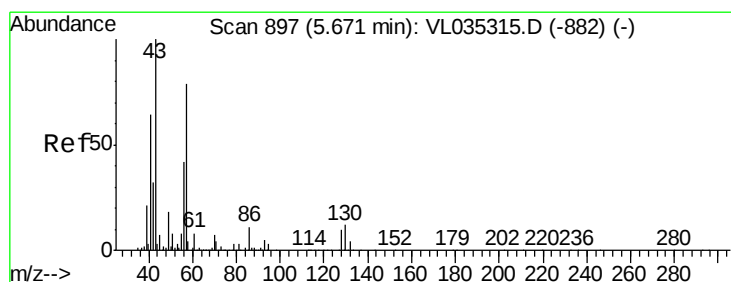
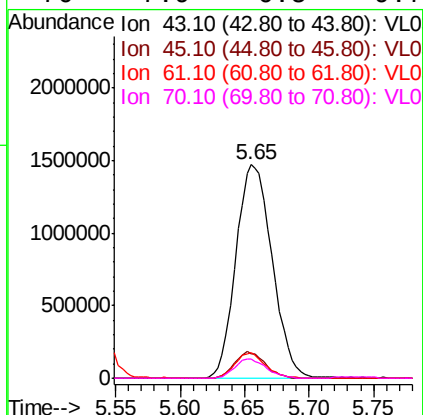
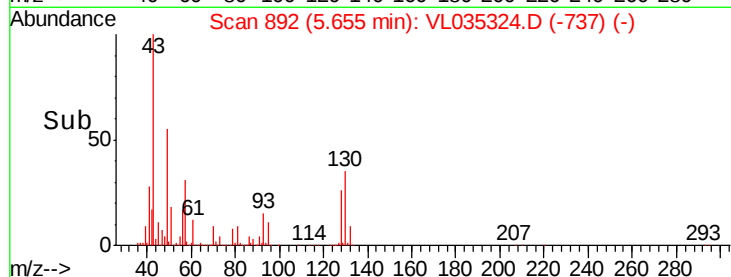
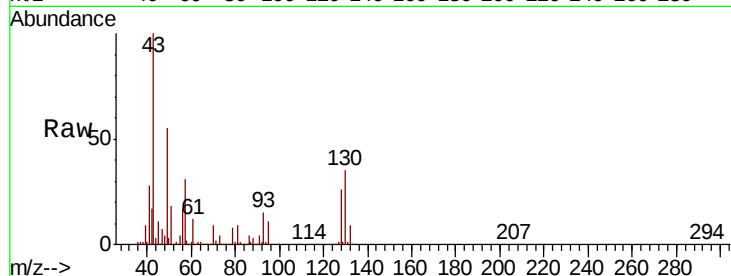


#25
Ethyl Acetate
Concen: 8.810 ppbv
RT: 5.65 min Scan# 892
Delta R.T. -0.00 min
Lab File: VL035324.D
Acq: 3 Aug 2020 21:06

Instrument :
MSVOA_L
ClientSampleId :
VL0803ABS01

Tot Ion: 43 Resp: 2875326

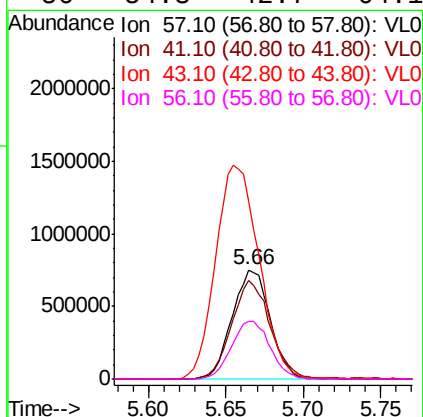
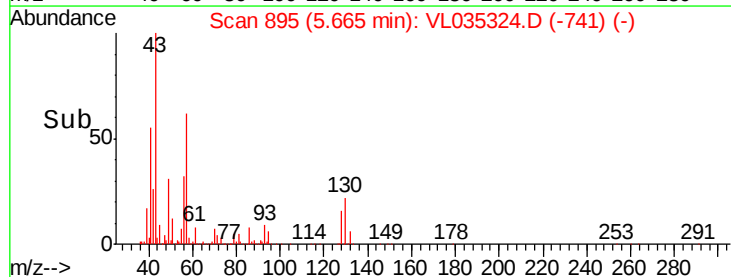
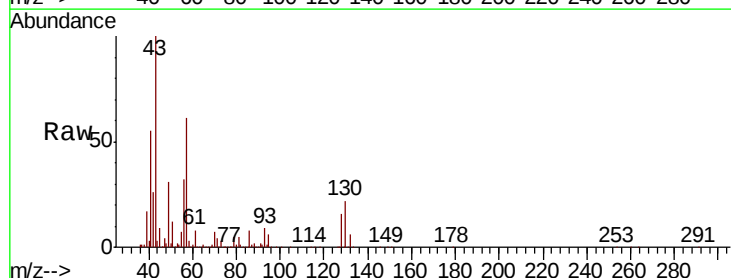
Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.6	12.8
61	9.9	8.1	12.1
70	7.9	6.5	9.7

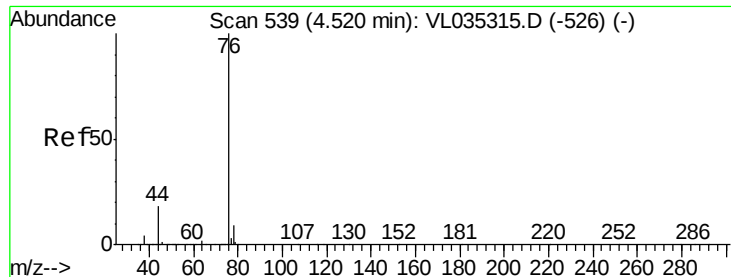


#26
Hexane
Concen: 8.744 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.01 min
Lab File: VL035324.D
Acq: 3 Aug 2020 21:06

Tgt Ion: 57 Resp: 1277718

Ion	Ratio	Lower	Upper
57	100		
41	92.8	72.1	108.1
43	225.0	179.0	268.6
56	54.3	42.7	64.1





#27

Carbon Disulfide

Concen: 9.124 ppbv

RT: 4.52 min Scan# 538

Delta R.T. -0.00 min

Lab File: VL035324.D

Acq: 3 Aug 2020 21:06

Instrument :

MSVOA_L

ClientSampleId :

VL0803ABS01

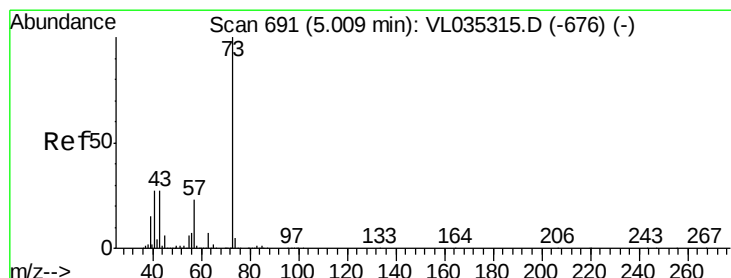
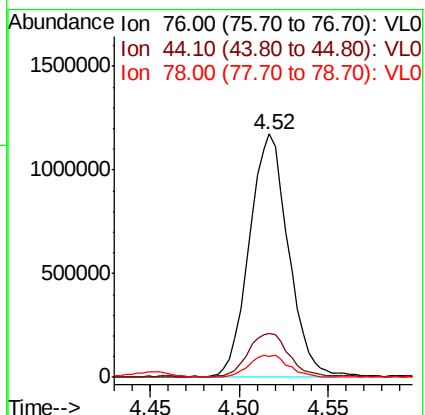
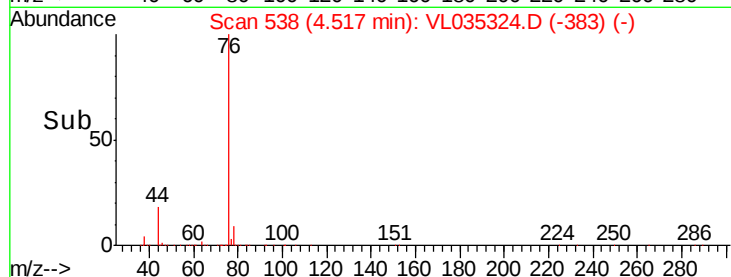
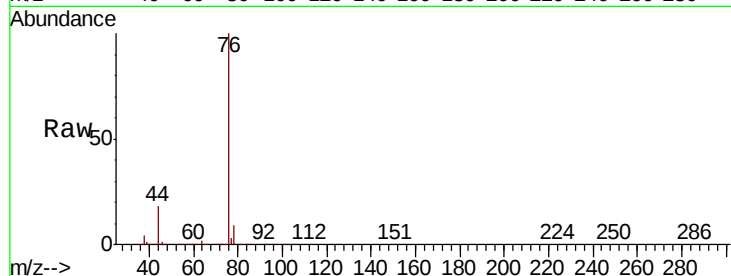
Tot Ion: 76 Resp: 1793946

Ion	Ratio	Lower	Upper
76	100		
44	19.0	14.8	22.2
78	9.5	7.8	11.8

76 100

44 19.0 14.8 22.2

78 9.5 7.8 11.8



#28

Methyl tert-Butyl Ether

Concen: 9.263 ppbv

RT: 5.01 min Scan# 690

Delta R.T. -0.00 min

Lab File: VL035324.D

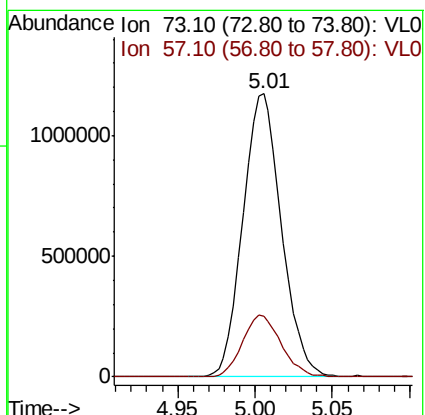
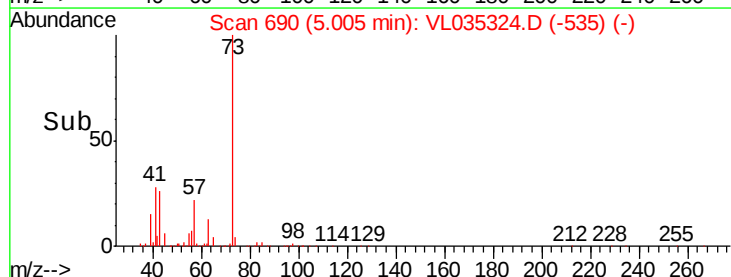
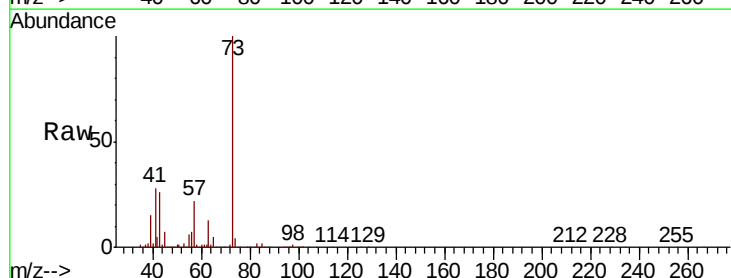
Acq: 3 Aug 2020 21:06

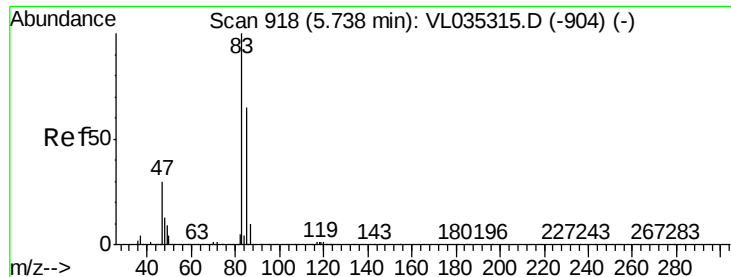
Tgt Ion: 73 Resp: 2033944

Ion	Ratio	Lower	Upper
73	100		
57	22.1	18.2	27.2

73 100

57 22.1 18.2 27.2





#29

Chloroform

Concen: 8.651 ppbv

RT: 5.74 min Scan# 917

Delta R.T. -0.00 min

Lab File: VL035324.D

Acq: 3 Aug 2020 21:06

Instrument :

MSVOA_L

ClientSampleId :

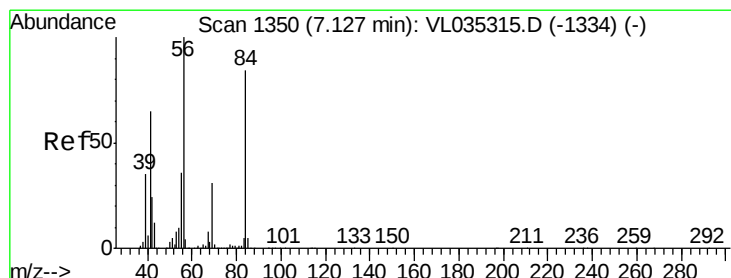
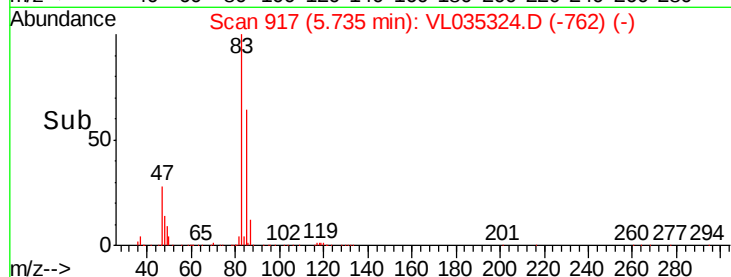
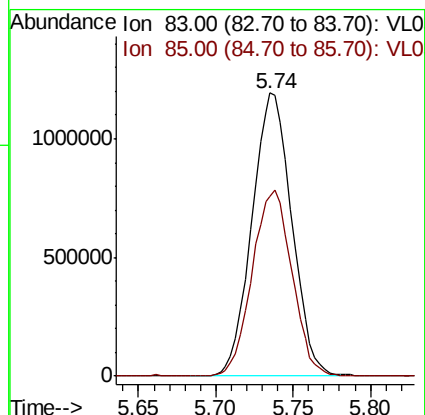
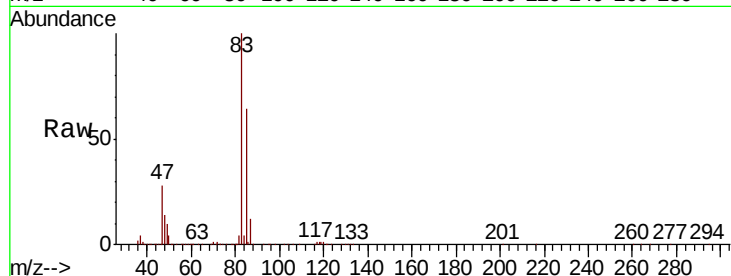
VL0803ABS01

Tot Ion: 83 Resp: 2138235

Ion Ratio Lower Upper

83 100

85 63.6 51.9 77.9



#30

Cyclohexane

Concen: 9.943 ppbv

RT: 7.12 min Scan# 1349

Delta R.T. -0.00 min

Lab File: VL035324.D

Acq: 3 Aug 2020 21:06

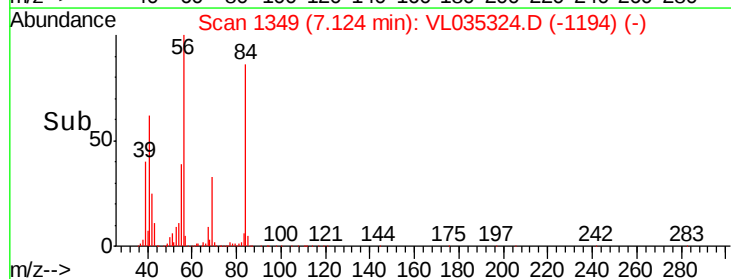
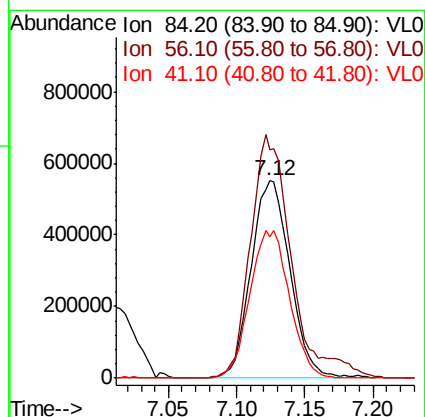
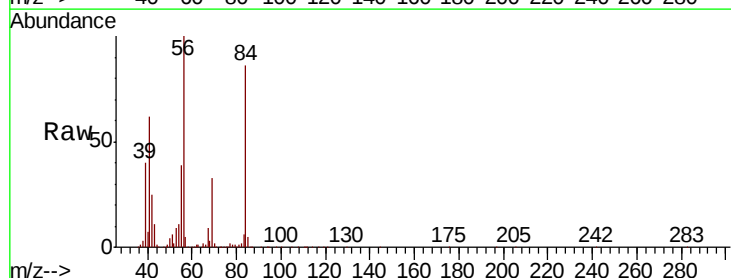
Tgt Ion: 84 Resp: 1089779

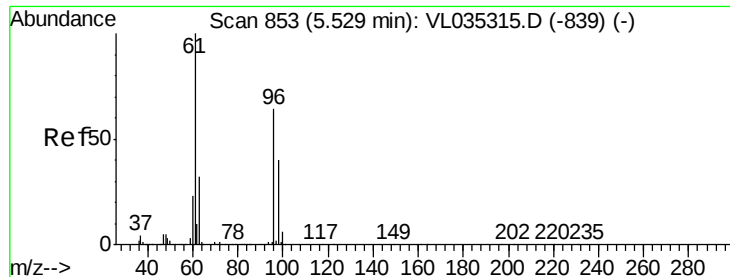
Ion Ratio Lower Upper

84 100

56 130.3 103.0 154.6

41 76.5 62.7 94.1





#31

cis-1,2-Dichloroethene

Concen: 9.494 ppbv

RT: 5.53 min Scan# 853

Delta R.T. 0.00 min

Lab File: VL035324.D

Acq: 3 Aug 2020 21:06

Instrument :

MSVOA_L

ClientSampleId :

VL0803ABS01

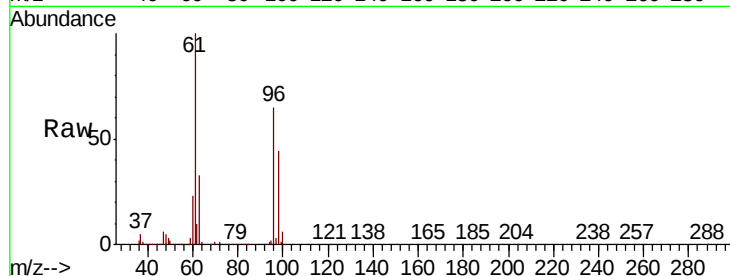
Tot Ion: 61 Resp: 1279847

Ion Ratio Lower Upper

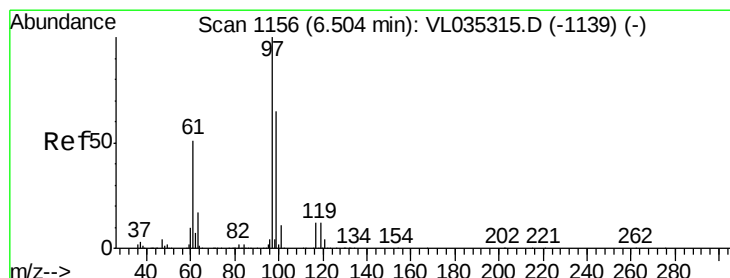
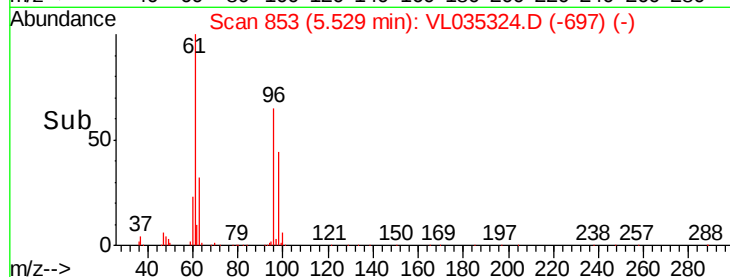
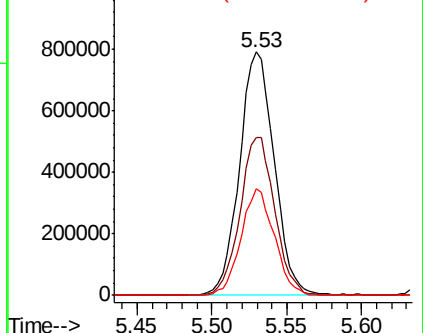
61 100

96 64.8 51.4 77.2

98 43.9 32.2 48.4



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: 8.981 ppbv

RT: 6.50 min Scan# 1155

Delta R.T. -0.00 min

Lab File: VL035324.D

Acq: 3 Aug 2020 21:06

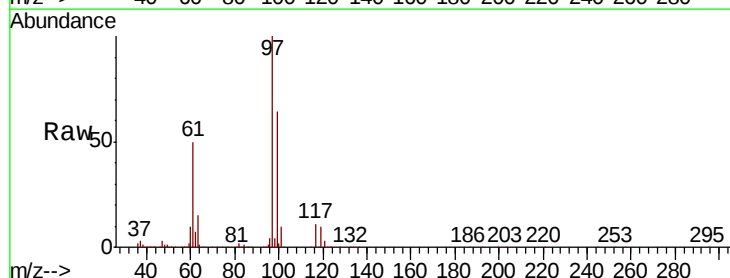
Tgt Ion: 97 Resp: 2146498

Ion Ratio Lower Upper

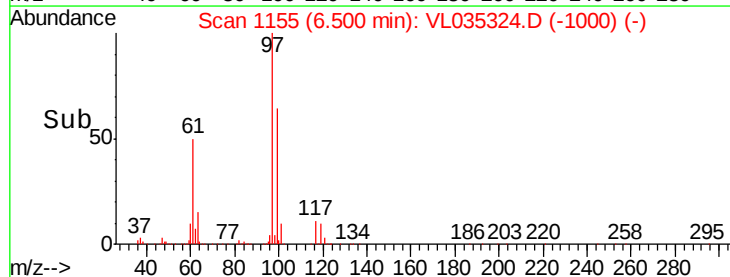
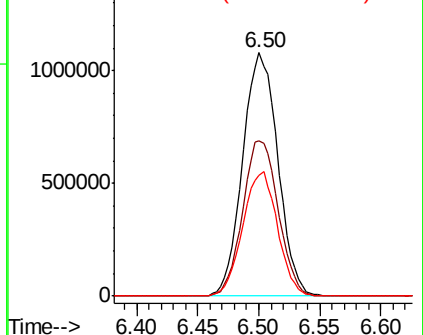
97 100

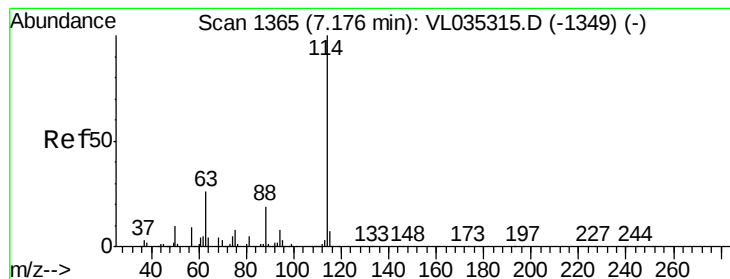
99 64.6 52.2 78.4

61 50.6 40.9 61.3



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: 7.17 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VL035324.D

Acq: 3 Aug 2020 21:06

Instrument :

MSVOA_L

ClientSampleId :

VL0803ABS01

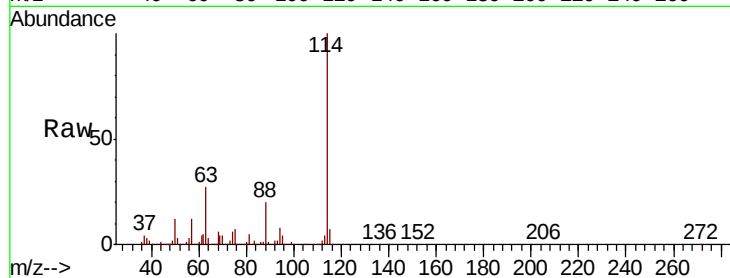
Tot Ion:114 Resp: 3644211

Ion Ratio Lower Upper

114 100

63 27.3 21.5 32.3

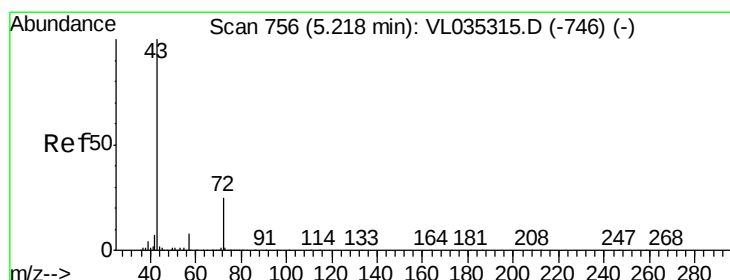
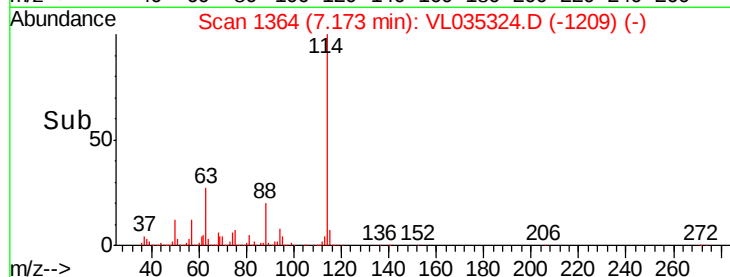
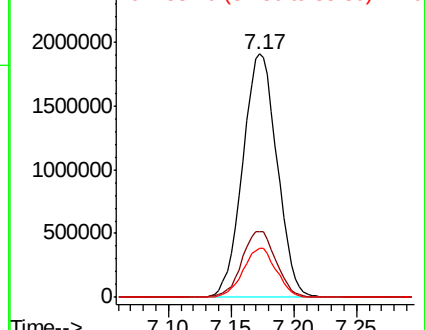
88 19.4 15.3 22.9



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: 9.098 ppbv

RT: 5.22 min Scan# 756

Delta R.T. 0.00 min

Lab File: VL035324.D

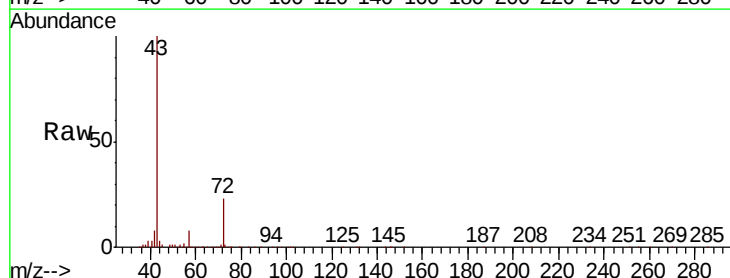
Acq: 3 Aug 2020 21:06

Tgt Ion: 43 Resp: 1745522

Ion Ratio Lower Upper

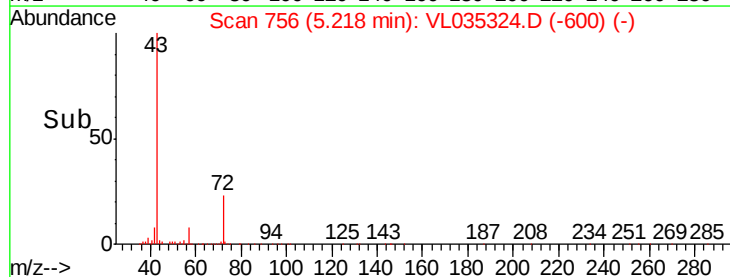
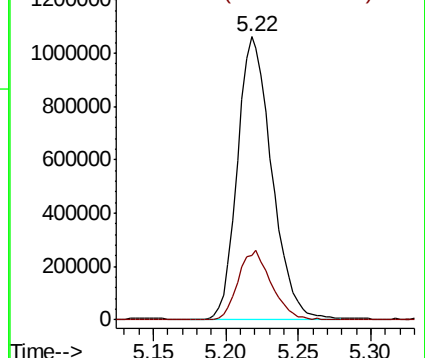
43 100

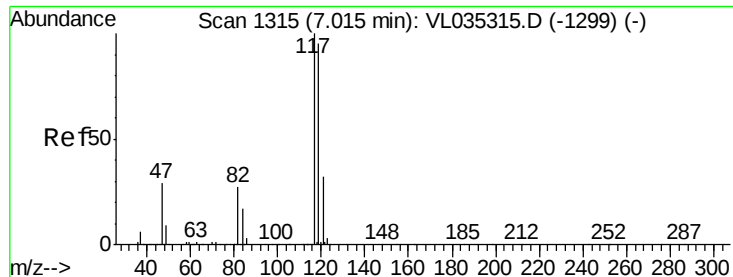
72 23.5 19.2 28.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

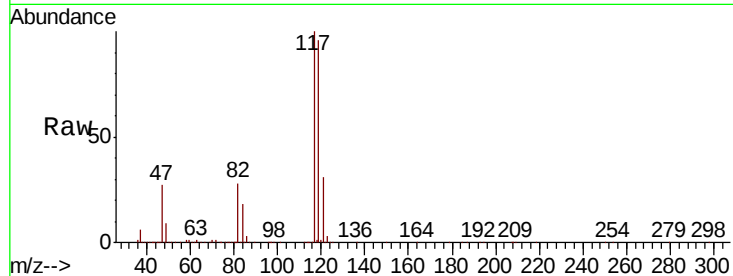




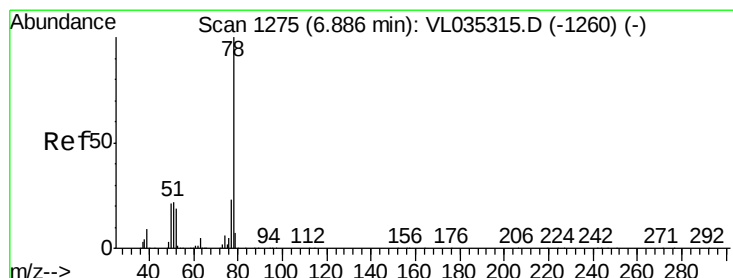
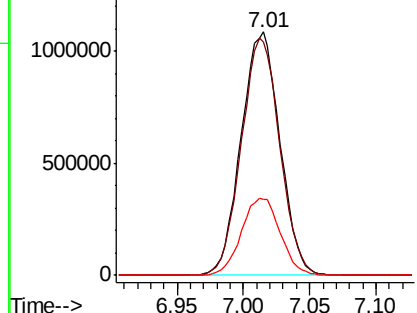
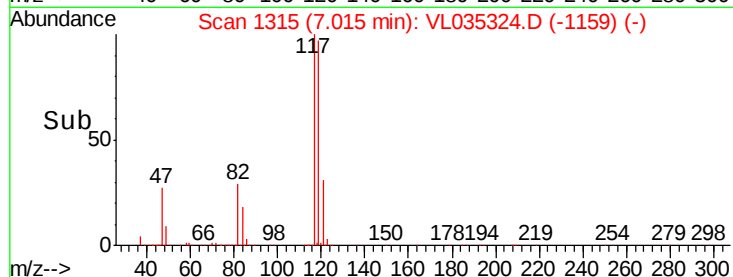
#35
Carbon Tetrachloride
Concen: 9.353 ppbv
RT: 7.01 min Scan# 1315
Delta R.T. 0.00 min
Lab File: VL035324.D
Acq: 3 Aug 2020 21:06

Instrument :
MSVOA_L
ClientSampleId :
VL0803ABS01

Tot Ion:117 Resp: 2204128
Ion Ratio Lower Upper
117 100
119 96.0 76.1 114.1
121 31.0 25.6 38.4

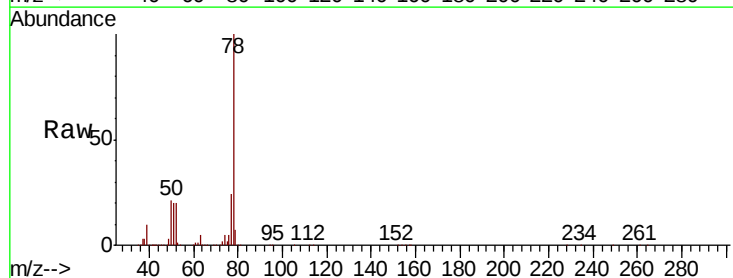


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

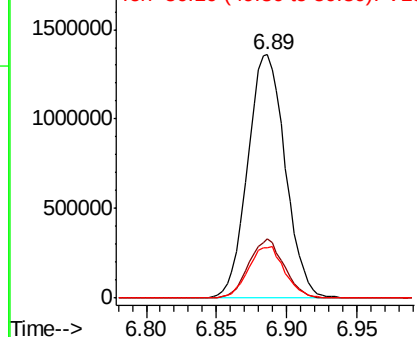
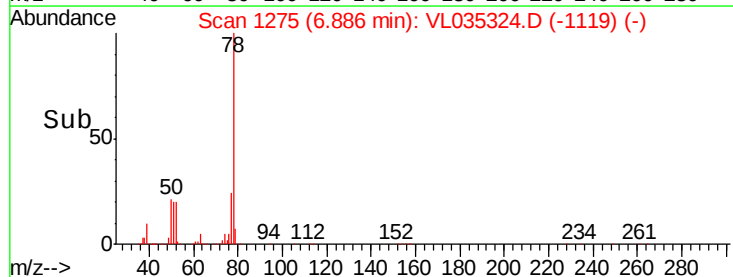


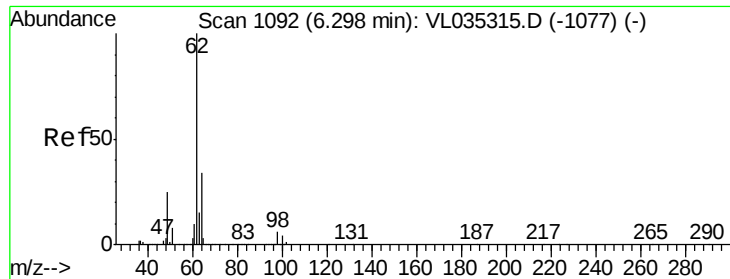
#36
Benzene
Concen: 9.512 ppbv
RT: 6.89 min Scan# 1275
Delta R.T. 0.00 min
Lab File: VL035324.D
Acq: 3 Aug 2020 21:06

Tgt Ion: 78 Resp: 2541393
Ion Ratio Lower Upper
78 100
77 24.1 18.4 27.6
50 20.6 16.6 25.0



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: 9.263 ppbv

RT: 6.29 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VL035324.D

Acq: 3 Aug 2020 21:06

Instrument :

MSVOA_L

ClientSampleId :

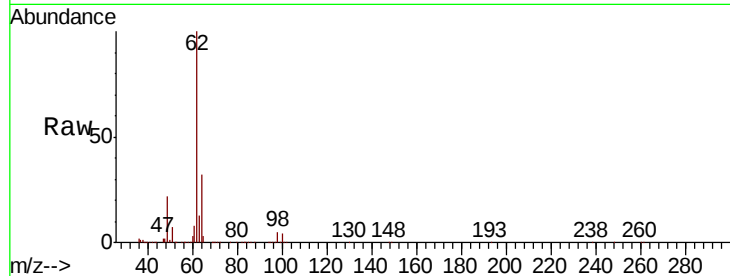
VL0803ABS01

Tot Ion: 62 Resp: 1676510

Ion Ratio Lower Upper

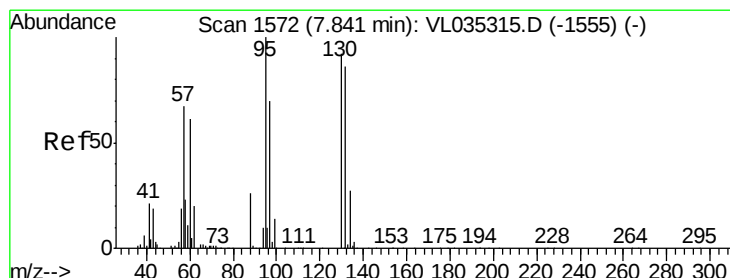
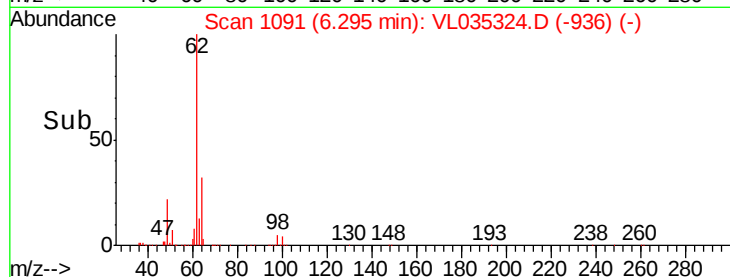
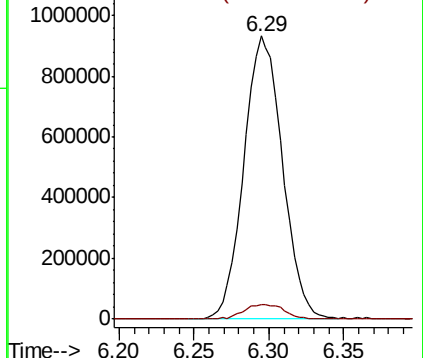
62 100

98 5.5 4.6 7.0



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#38

Trichloroethene

Concen: 10.886 ppbv

RT: 7.84 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VL035324.D

Acq: 3 Aug 2020 21:06

Tgt Ion: 130 Resp: 1068739

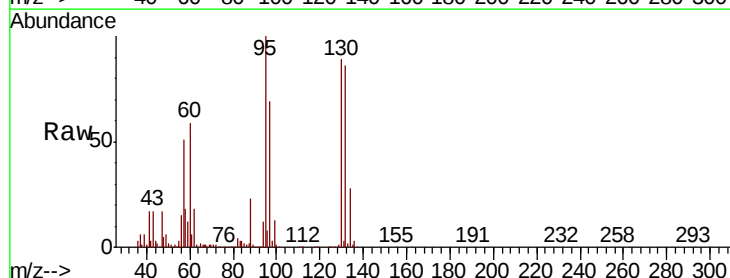
Ion Ratio Lower Upper

130 100

95 112.2 86.3 129.5

132 97.0 74.2 111.2

97 77.6 60.2 90.4

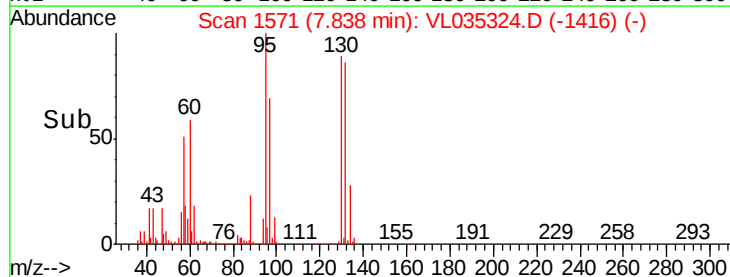
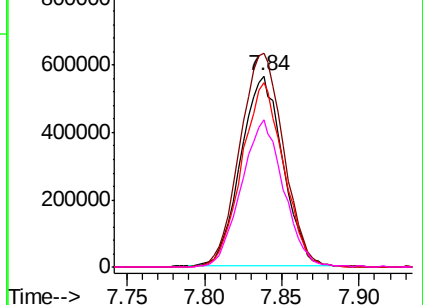


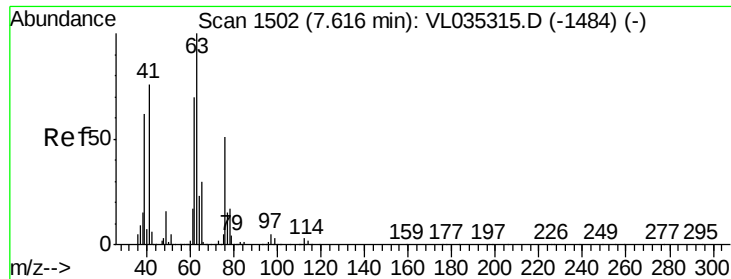
Abundance Ion 130.00 (129.70 to 130.70): V

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

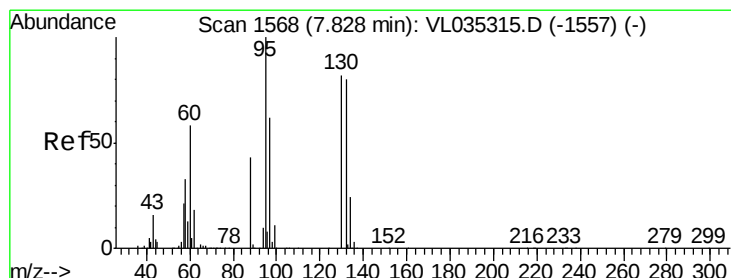
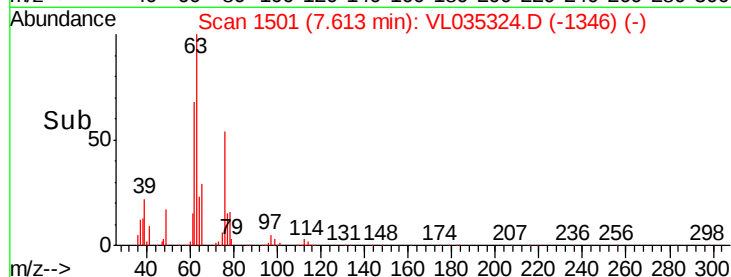
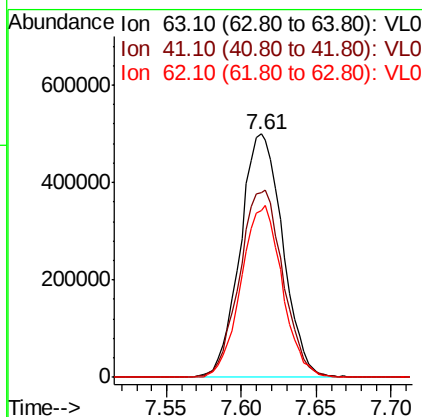
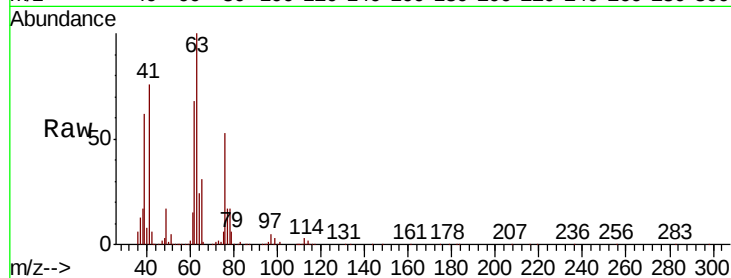




#39
 1,2-Dichloropropane
 Concen: 9.375 ppbv
 RT: 7.61 min Scan# 1501
 Delta R.T. -0.00 min
 Lab File: VL035324.D
 Acq: 3 Aug 2020 21:06

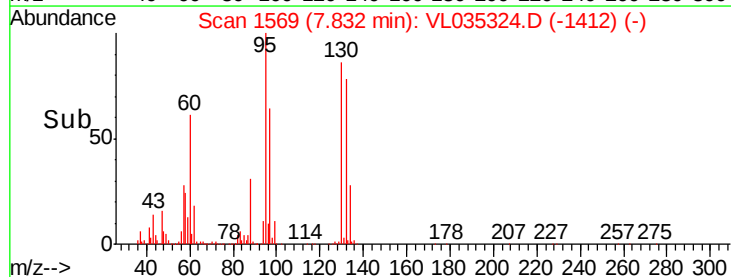
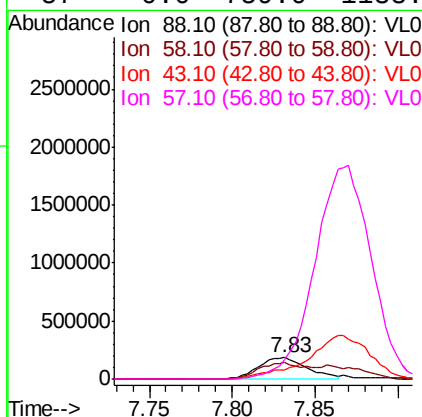
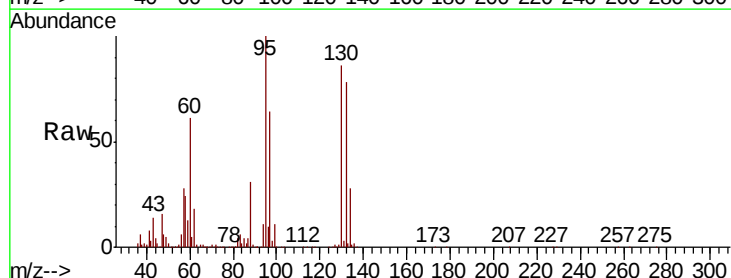
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0803ABS01

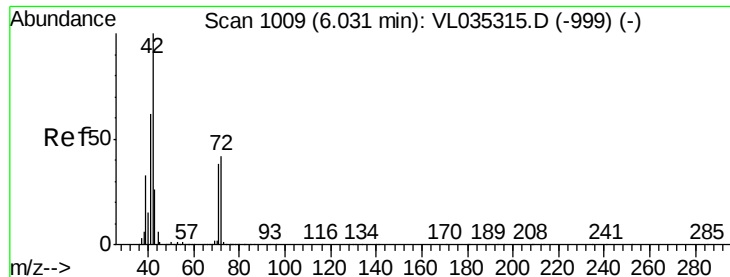
Tot Ion	Ratio	Lower	Upper
63	100		
41	75.9	61.0	91.4
62	68.2	55.8	83.8



#40
 1,4-Dioxane
 Concen: 8.101 ppbv
 RT: 7.83 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: VL035324.D
 Acq: 3 Aug 2020 21:06

Tgt Ion	Ratio	Lower	Upper
88	100		
58	135.2	95.4	143.2
43	0.0	172.7	259.1#
57	0.0	759.0	1138.4#





#41

Tetrahydrofuran

Concen: 9.781 ppbv

RT: 6.03 min Scan# 1009

Delta R.T. 0.00 min

Lab File: VL035324.D

Acq: 3 Aug 2020 21:06

Instrument :

MSVOA_L

ClientSampleId :

VL0803ABS01

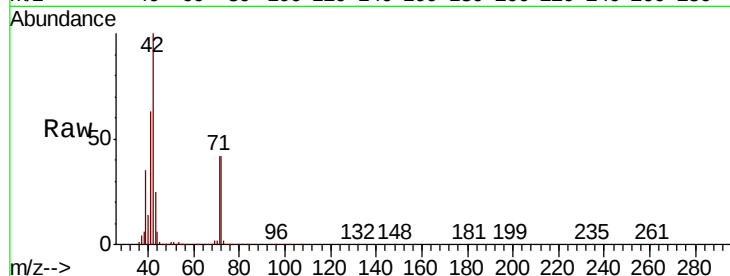
Tot Ion: 42 Resp: 925655

Ion Ratio Lower Upper

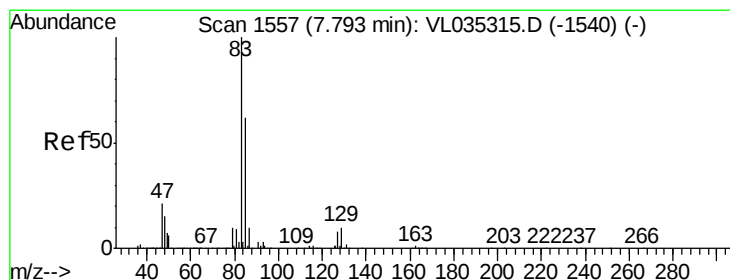
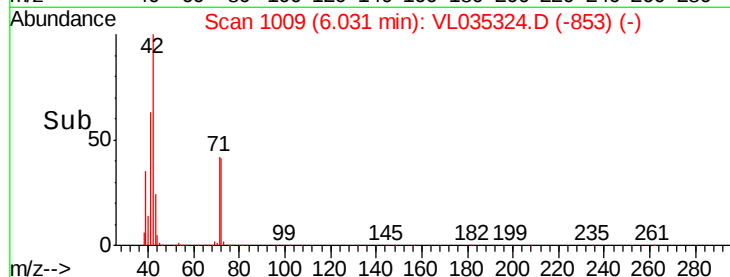
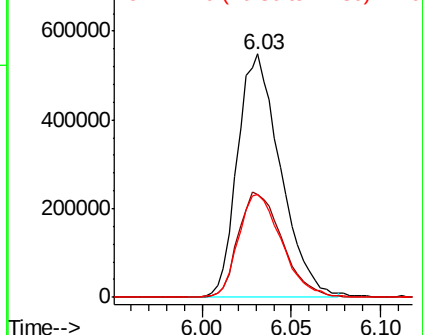
42 100

72 44.4 33.8 50.8

71 42.6 32.7 49.1



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: 9.225 ppbv

RT: 7.79 min Scan# 1557

Delta R.T. 0.00 min

Lab File: VL035324.D

Acq: 3 Aug 2020 21:06

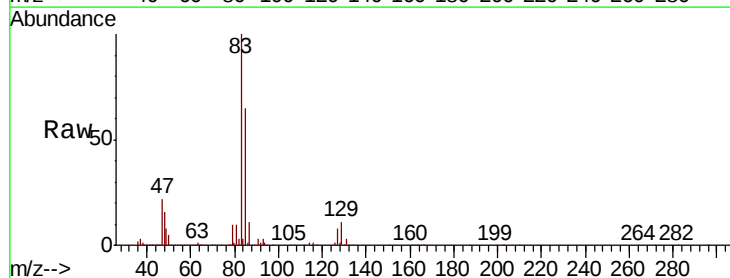
Tgt Ion: 83 Resp: 2278028

Ion Ratio Lower Upper

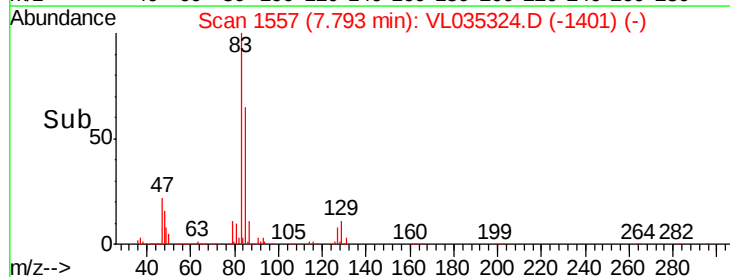
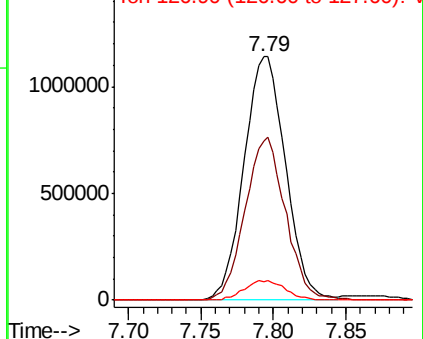
83 100

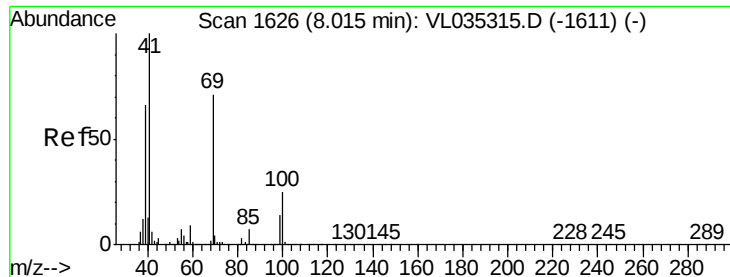
85 65.5 49.9 74.9

127 7.8 6.6 10.0



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

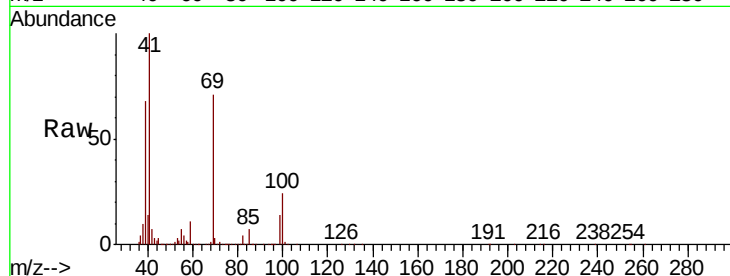




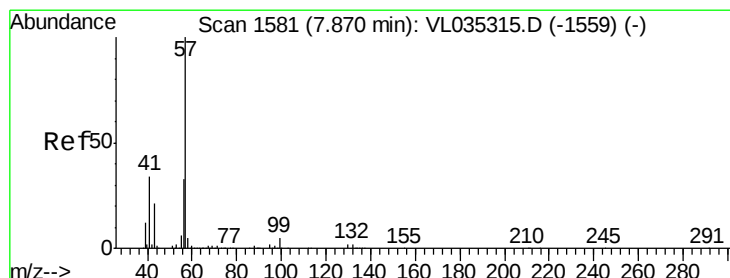
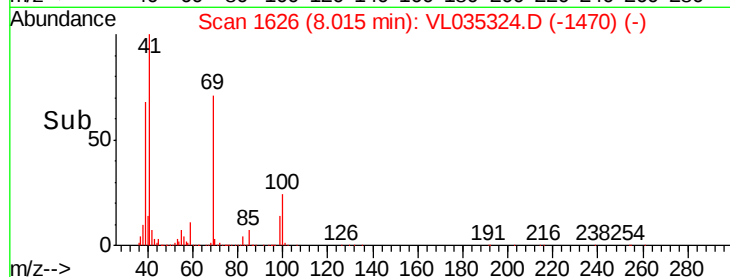
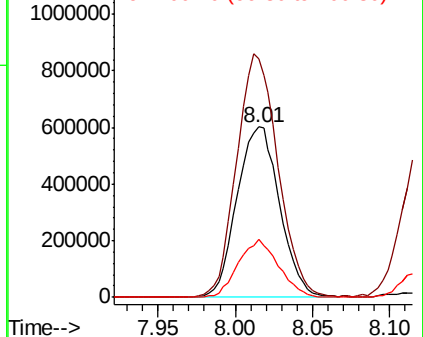
#43
Methvl Methacrilate
Concen: 10.322 ppbv
RT: 8.01 min Scan# 1626
Delta R.T. 0.00 min
Lab File: VL035324.D
Acq: 3 Aug 2020 21:06

Instrument :
MSVOA_L
ClientSampleId :
VL0803ABS01

Tot Ion: 69 Resp: 1152157
Ion Ratio Lower Upper
69 100
41 138.5 110.9 166.3
100 32.3 26.0 39.0

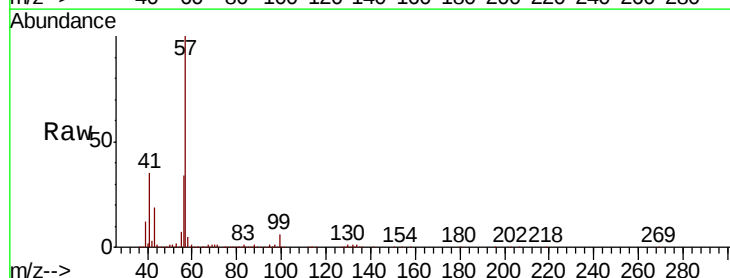


Abundance Ion 69.10 (68.80 to 69.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 100.10 (99.80 to 100.80): VL0

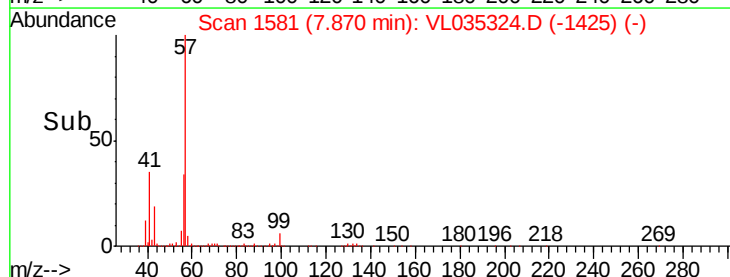
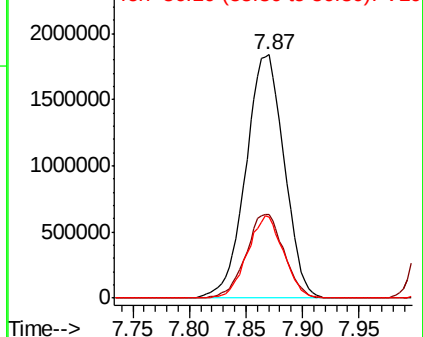


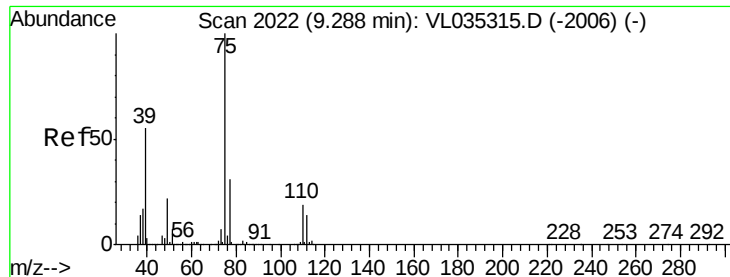
#44
2,2,4-Trimethylpentane
Concen: 9.483 ppbv
RT: 7.87 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VL035324.D
Acq: 3 Aug 2020 21:06

Tgt Ion: 57 Resp: 4340399
Ion Ratio Lower Upper
57 100
41 33.9 26.7 40.1
56 31.8 25.4 38.0



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





#45

t-1,3-Dichloropropene

Concen: 11.027 ppbv

RT: 9.29 min Scan# 2022

Delta R.T. 0.00 min

Lab File: VL035324.D

Acq: 3 Aug 2020 21:06

Instrument :

MSVOA_L

ClientSampleId :

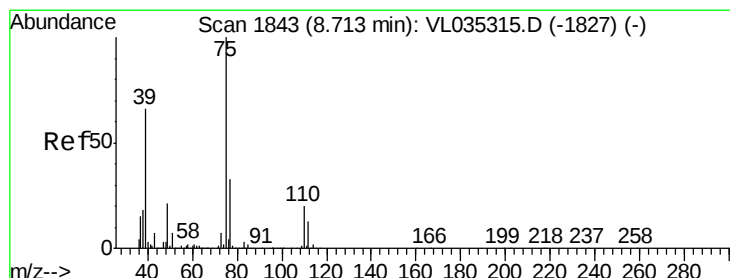
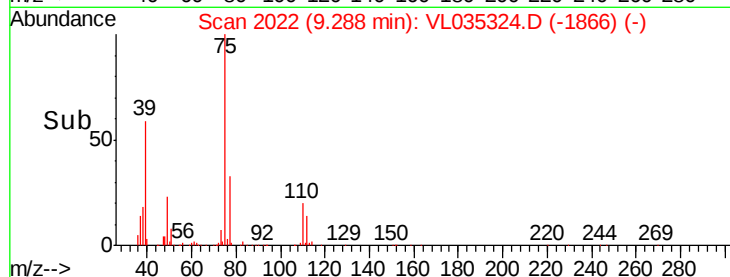
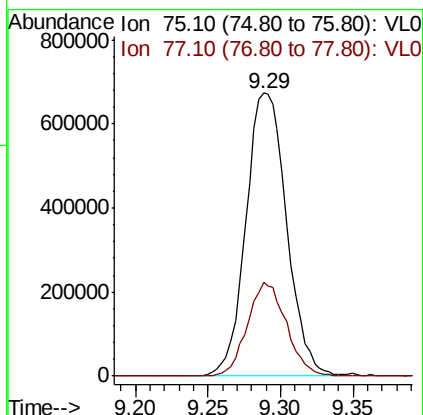
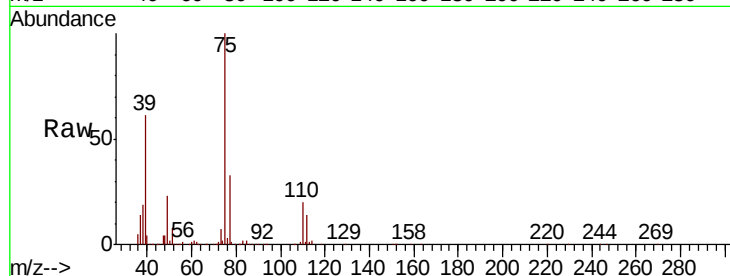
VL0803ABS01

Tot Ion: 75 Resp: 1313899

Ion Ratio Lower Upper

75 100

77 33.0 24.6 37.0



#46

cis-1,3-Dichloropropene

Concen: 10.784 ppbv

RT: 8.71 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VL035324.D

Acq: 3 Aug 2020 21:06

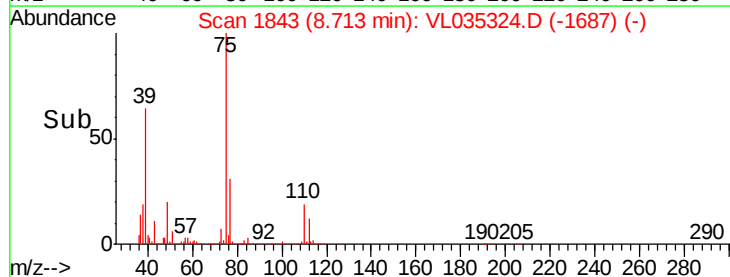
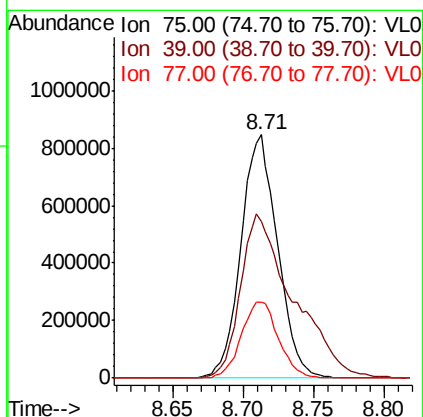
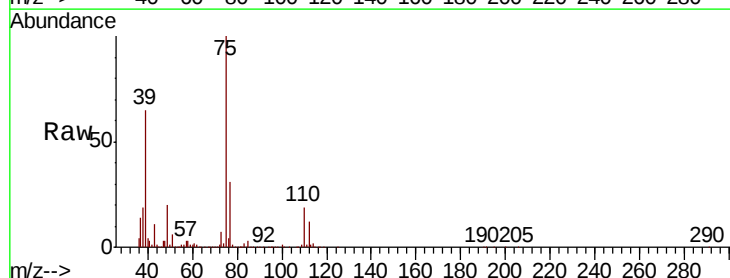
Tgt Ion: 75 Resp: 1538370

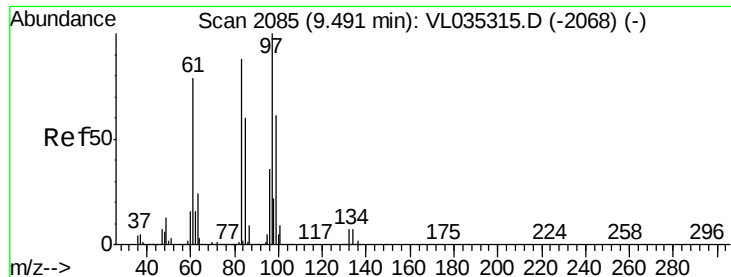
Ion Ratio Lower Upper

75 100

39 64.5 52.6 79.0

77 31.3 26.5 39.7





#47

1,1,2-Trichloroethane

Concen: 4.949 ppbv

RT: 9.48 min Scan# 2083

Delta R.T. -0.01 min

Lab File: VL035324.D

Acq: 3 Aug 2020 21:06

Instrument :

MSVOA_L

ClientSampleId :

VL0803ABS01

Tot Ion: 97 Resp: 604855

Ion Ratio Lower Upper

97 100

83 85.1 70.6 105.8

85 52.8 47.8 71.8

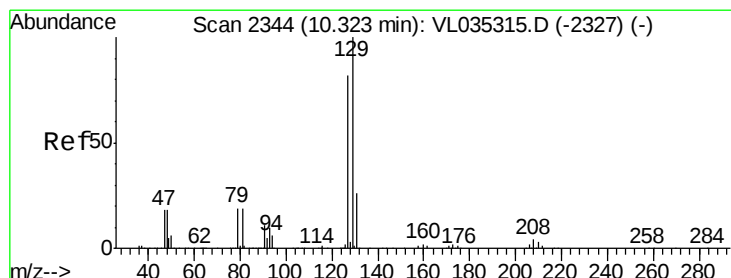
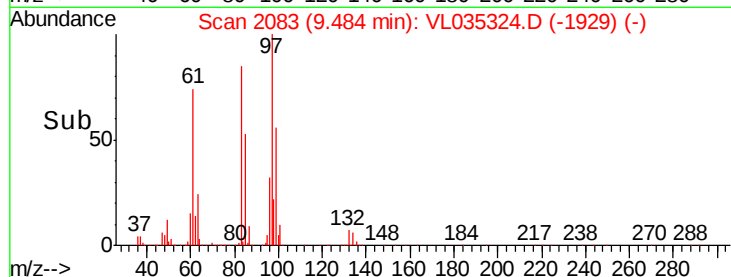
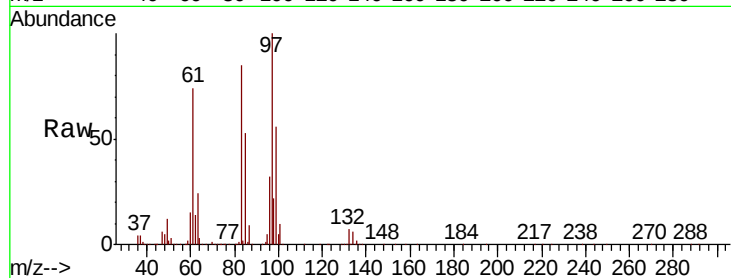
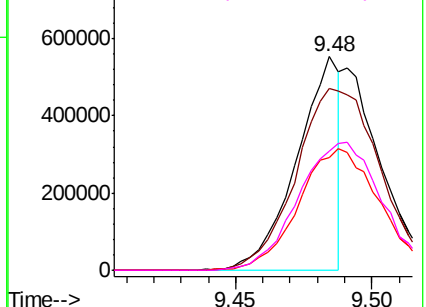
99 55.6 49.0 73.6

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: 9.698 ppbv

RT: 10.32 min Scan# 2343

Delta R.T. -0.00 min

Lab File: VL035324.D

Acq: 3 Aug 2020 21:06

Tgt Ion: 129 Resp: 1928307

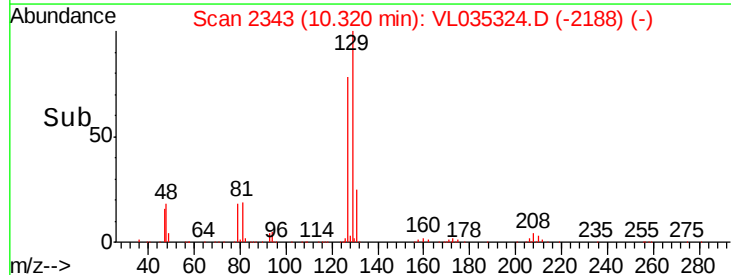
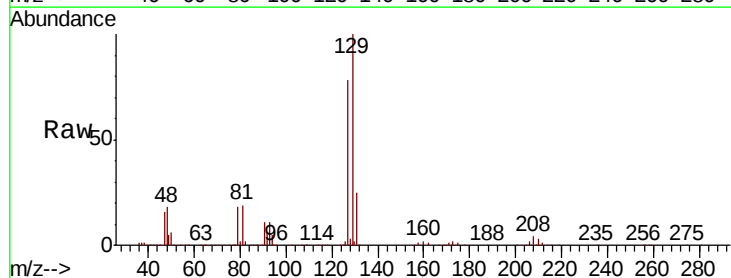
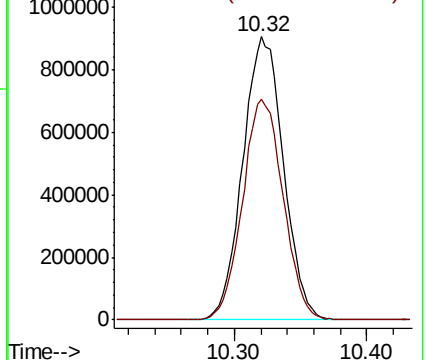
Ion Ratio Lower Upper

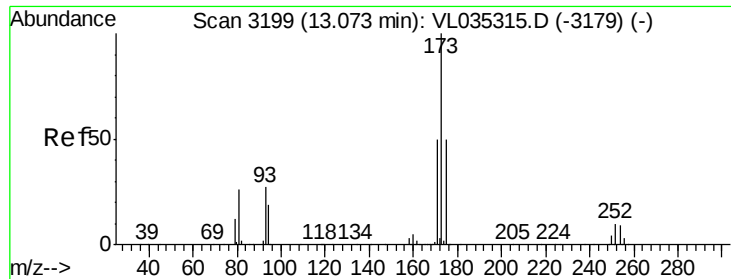
129 100

127 78.1 39.0 117.0

Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.153 ppbv

RT: 13.07 min Scan# 3198

Delta R.T. -0.00 min

Lab File: VL035324.D

Acq: 3 Aug 2020 21:06

Instrument :

MSVOA_L

ClientSampleId :

VL0803ABS01

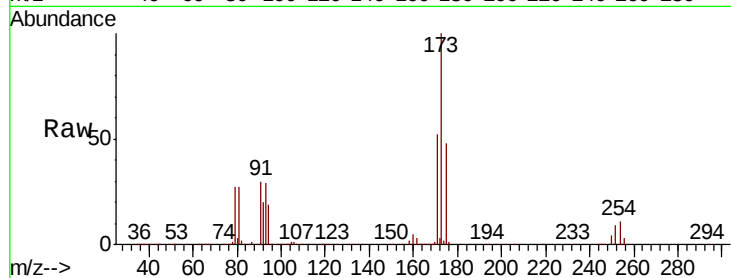
Tot Ion:173 Resp: 1758456

Ion Ratio Lower Upper

173 100

175 49.1 39.8 59.6

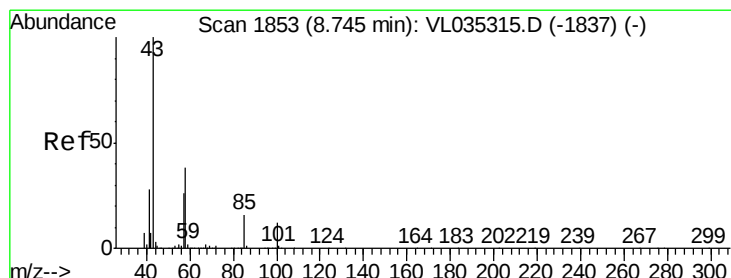
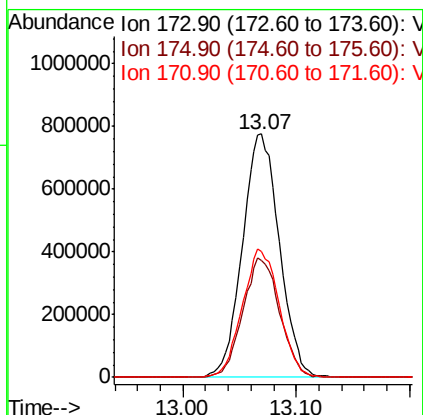
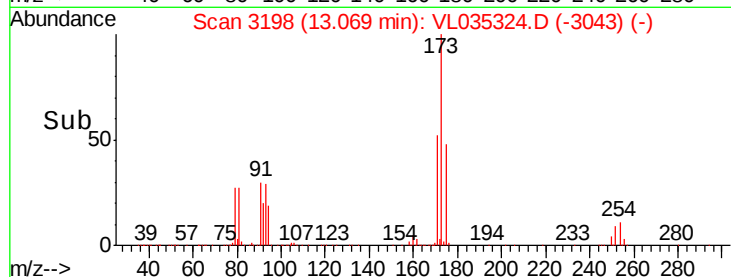
171 52.8 42.0 63.0



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.794 ppbv

RT: 8.74 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VL035324.D

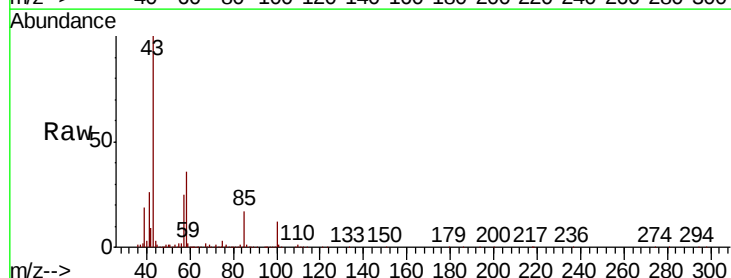
Acq: 3 Aug 2020 21:06

Tgt Ion: 43 Resp: 2654021

Ion Ratio Lower Upper

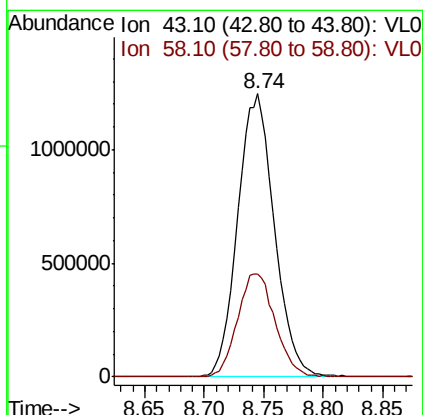
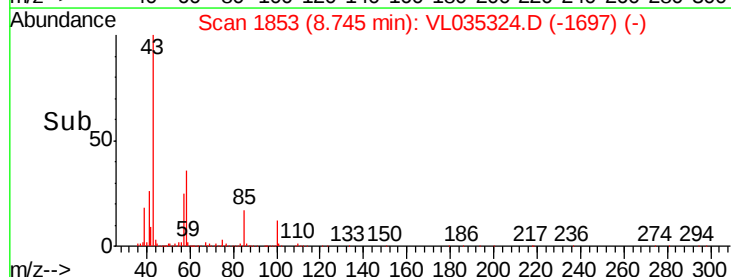
43 100

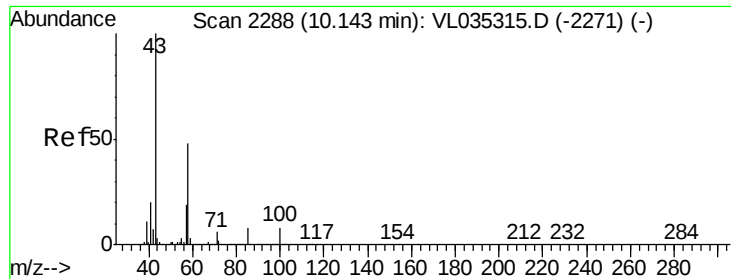
58 37.5 29.8 44.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

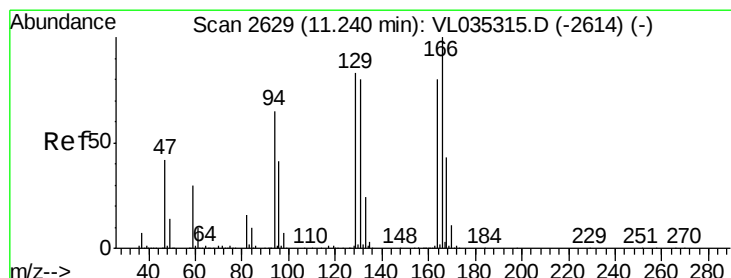
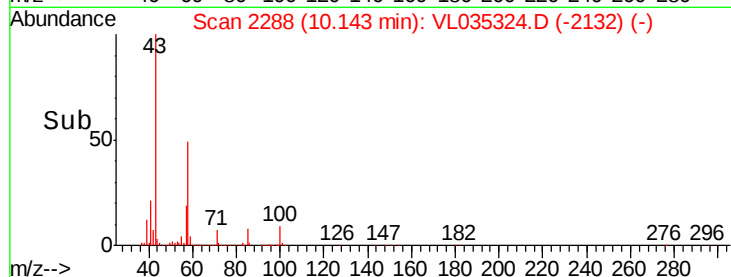
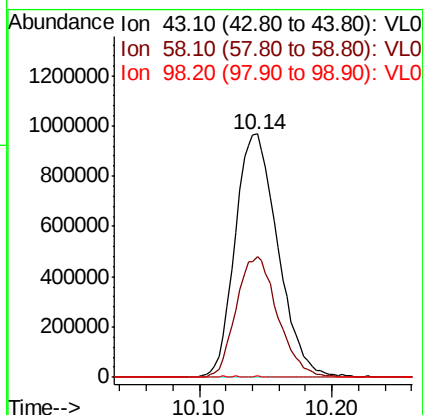
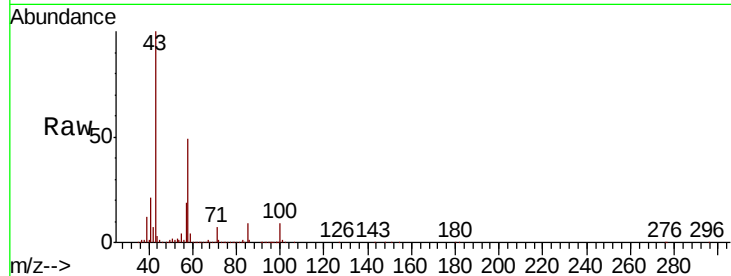




#51
2-Hexanone
Concen: 10.310 ppbv
RT: 10.14 min Scan# 2288
Delta R.T. 0.00 min
Lab File: VL035324.D
Acq: 3 Aug 2020 21:06

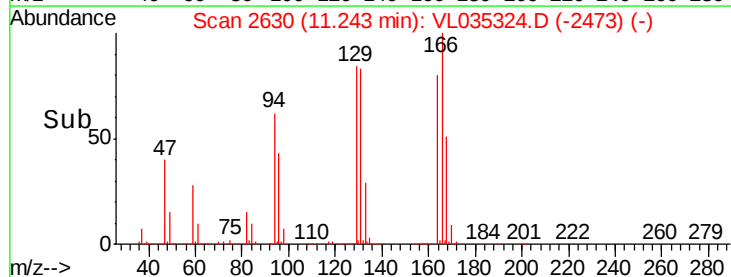
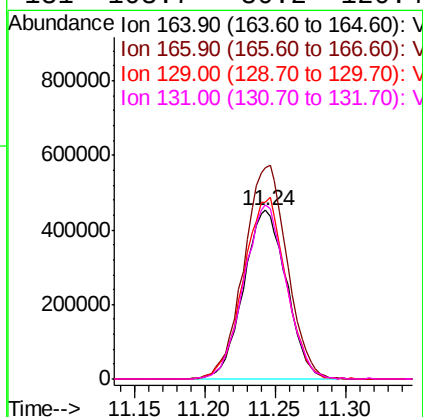
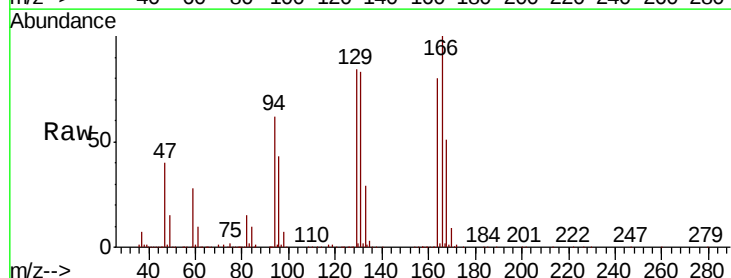
Instrument :
MSVOA_L
ClientSampleId :
VL0803ABS01

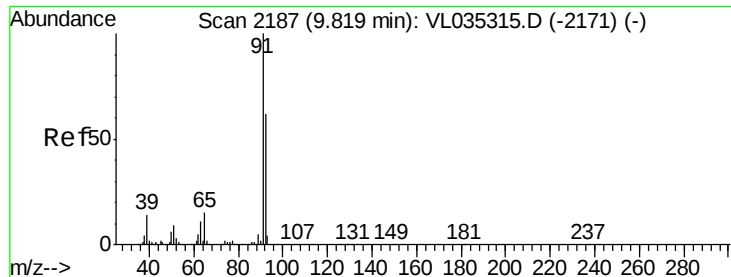
Tot Ion: 43 Resp: 2161679
Ion Ratio Lower Upper
43 100
58 48.4 39.8 59.6
98 0.3 0.3 0.5



#52
Tetrachloroethene
Concen: 10.239 ppbv
RT: 11.24 min Scan# 2630
Delta R.T. 0.00 min
Lab File: VL035324.D
Acq: 3 Aug 2020 21:06

Tgt Ion: 164 Resp: 963695
Ion Ratio Lower Upper
164 100
166 125.4 100.2 150.2
129 105.0 82.7 124.1
131 103.7 80.2 120.4





#53

Toluene

Concen: 10.687 ppbv

RT: 9.82 min Scan# 2186

Delta R.T. -0.00 min

Lab File: VL035324.D

Acq: 3 Aug 2020 21:06

Instrument :

MSVOA_L

ClientSampleId :

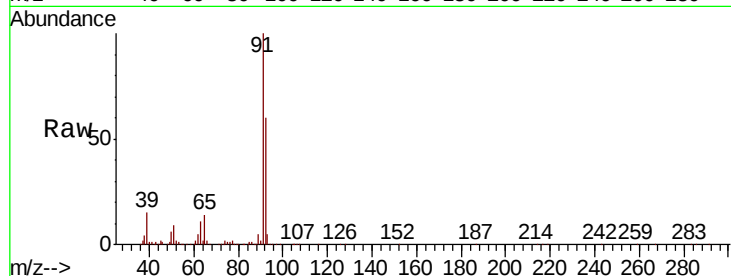
VL0803ABS01

Tot Ion: 91 Resp: 3002533

Ion Ratio Lower Upper

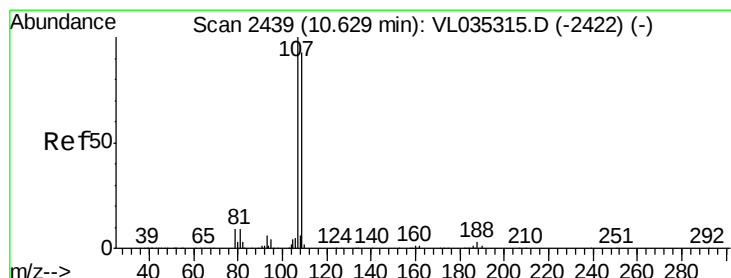
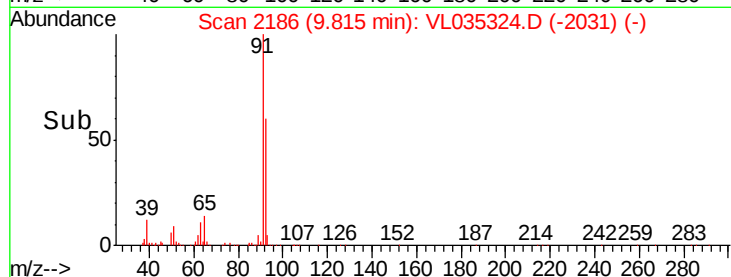
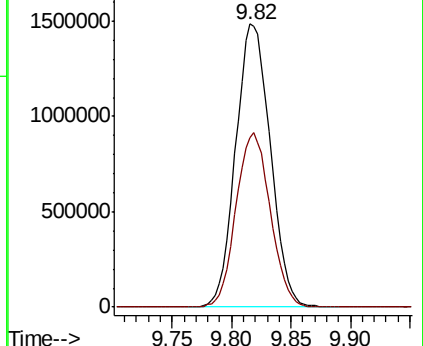
91 100

92 60.8 48.7 73.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 9.535 ppbv

RT: 10.63 min Scan# 2439

Delta R.T. 0.00 min

Lab File: VL035324.D

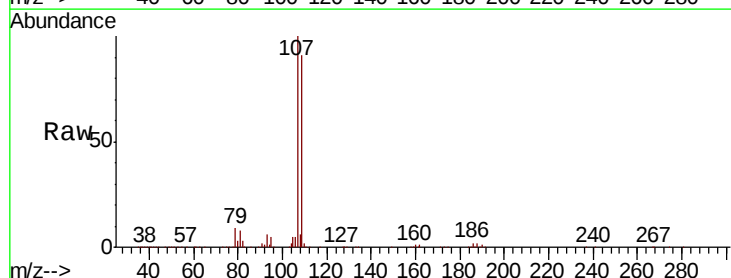
Acq: 3 Aug 2020 21:06

Tgt Ion:107 Resp: 1724906

Ion Ratio Lower Upper

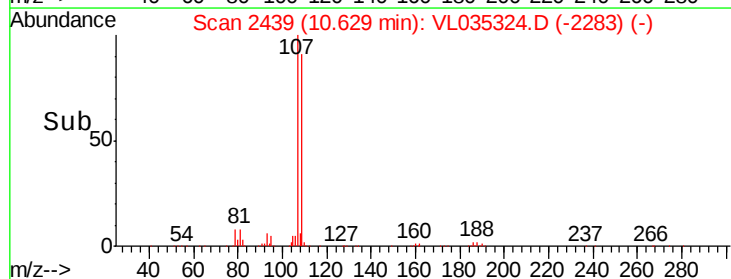
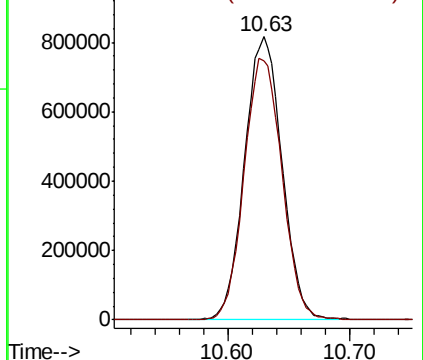
107 100

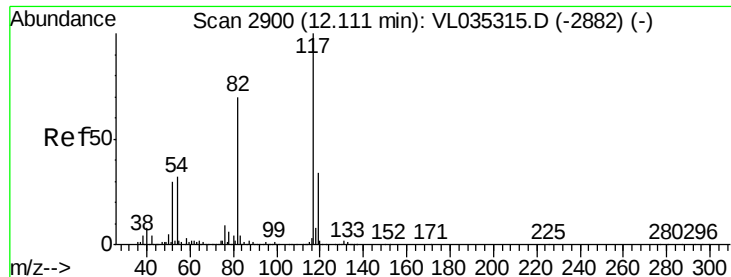
109 91.4 74.4 111.6



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

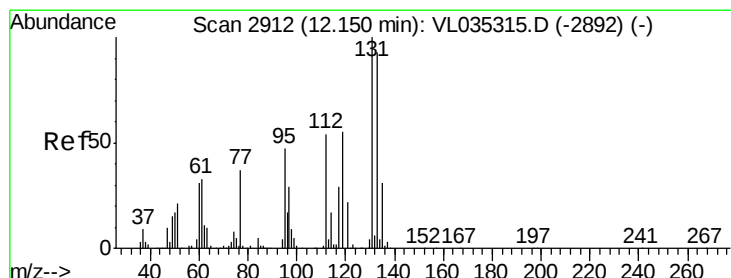
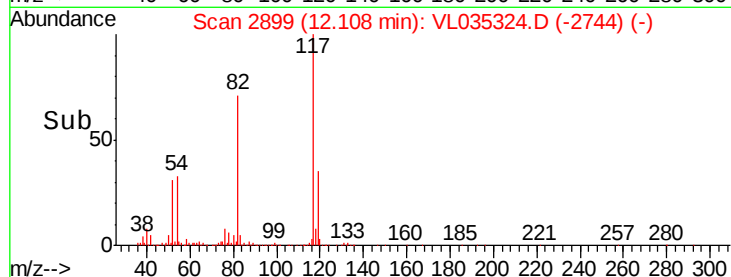
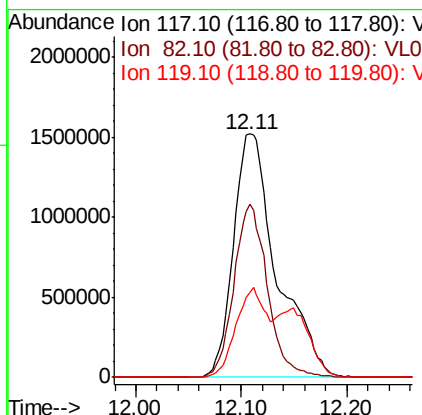
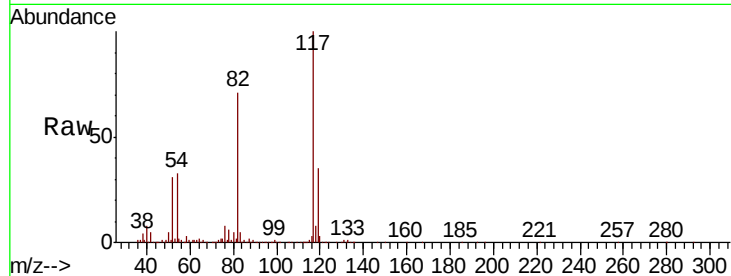




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. -0.00 min
Lab File: VL035324.D
Acq: 3 Aug 2020 21:06

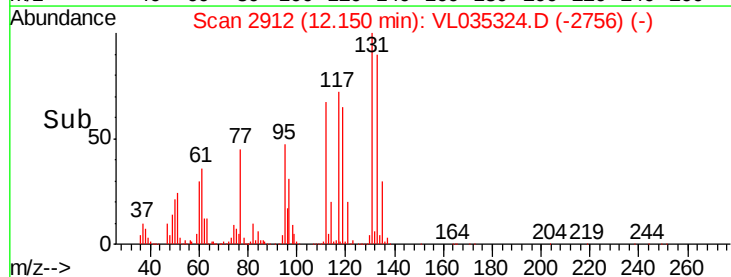
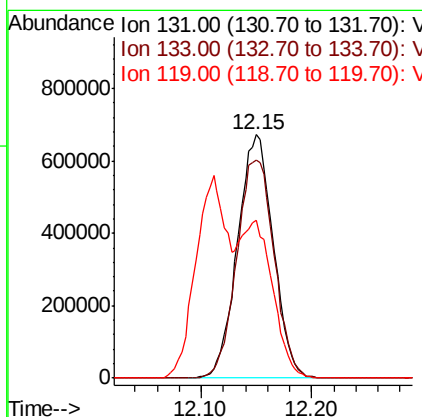
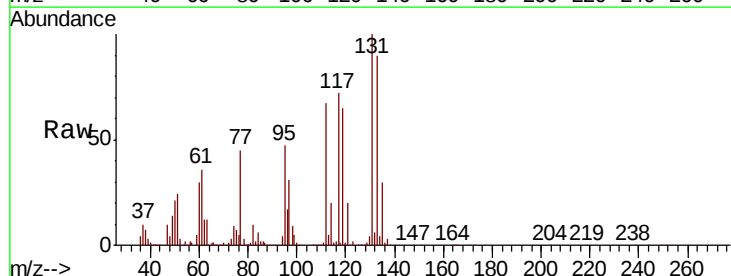
Instrument :
MSVOA_L
ClientSampleId :
VL0803ABS01

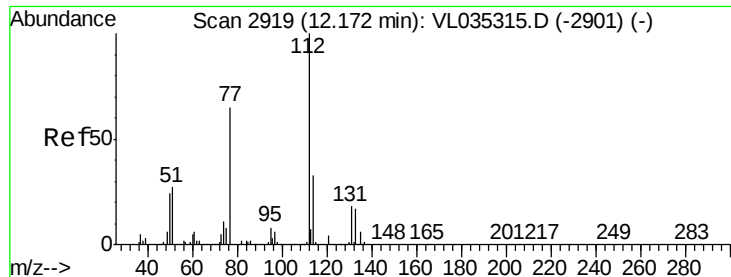
Tot Ion:117 Resp: 4346266
Ion Ratio Lower Upper
117 100
82 54.8 50.6 76.0
119 25.2 24.1 36.1



#56
1,1,1,2-Tetrachloroethane
Concen: 7.373 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. 0.00 min
Lab File: VL035324.D
Acq: 3 Aug 2020 21:06

Tgt Ion:131 Resp: 1503809
Ion Ratio Lower Upper
131 100
133 94.5 75.5 113.3
119 59.6 53.1 79.7





#57

Chlorobenzene

Concen: 7.271 ppbv

RT: 12.17 min Scan# 2918

Delta R.T. -0.00 min

Lab File: VL035324.D

Acq: 3 Aug 2020 21:06

Instrument :

MSVOA_L

ClientSampleId :

VL0803ABS01

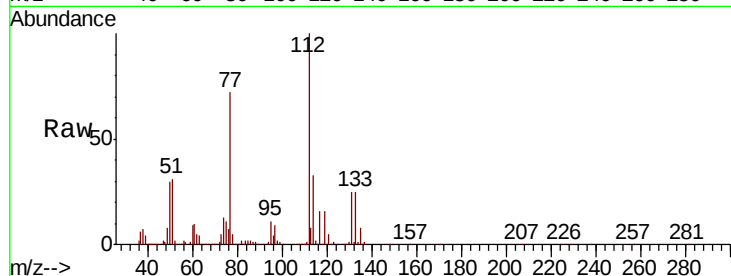
Tot Ion:112 Resp: 2418542

Ion Ratio Lower Upper

112 100

77 71.5 53.0 79.6

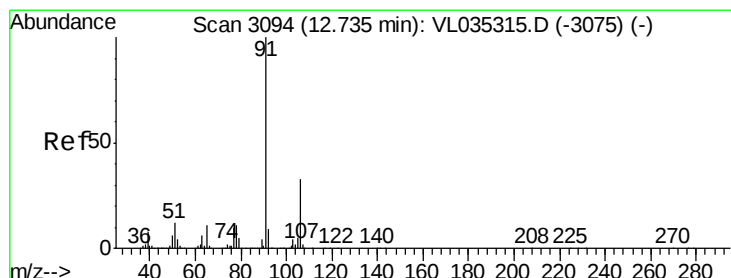
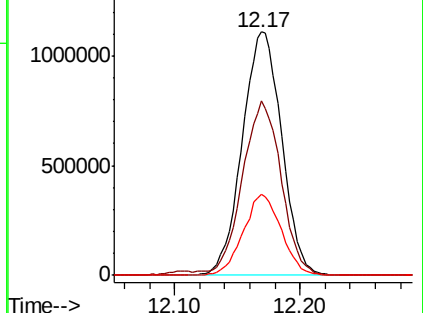
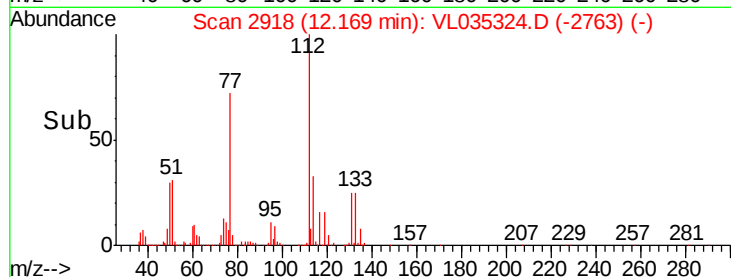
114 33.1 30.0 36.6



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: 8.559 ppbv

RT: 12.73 min Scan# 3094

Delta R.T. 0.00 min

Lab File: VL035324.D

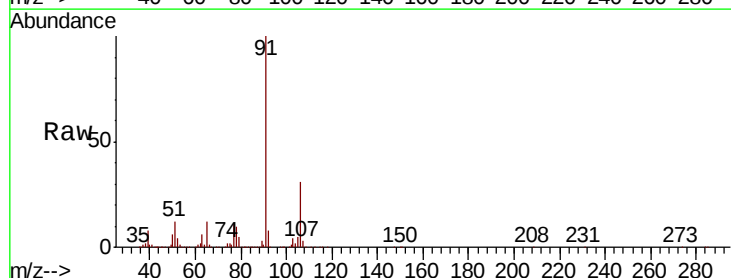
Acq: 3 Aug 2020 21:06

Tgt Ion: 91 Resp: 4075705

Ion Ratio Lower Upper

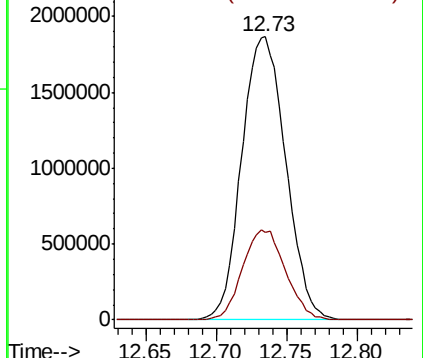
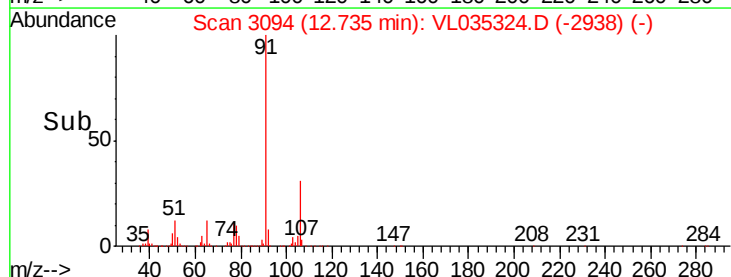
91 100

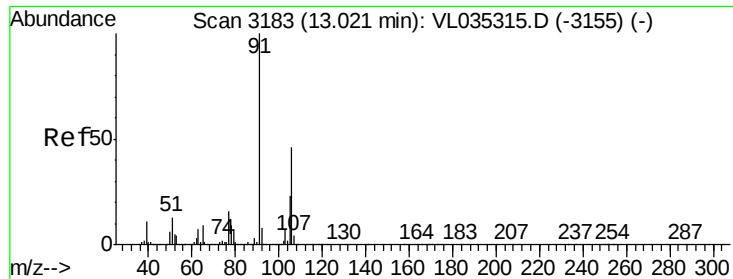
106 31.1 26.3 39.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

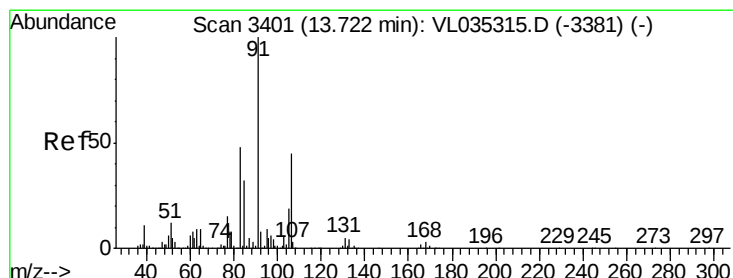
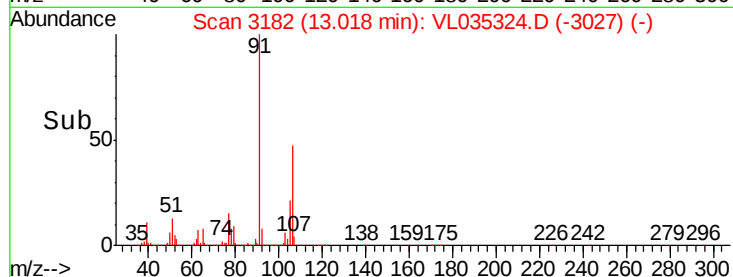
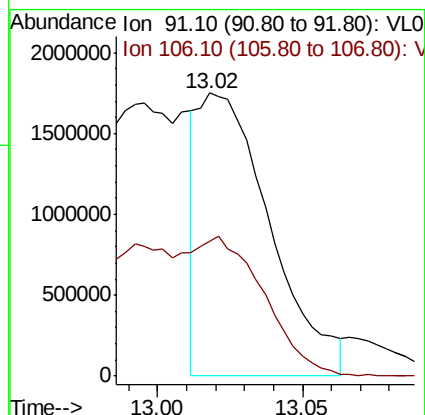
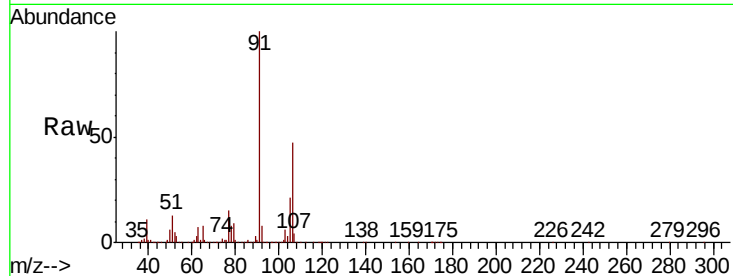




#59
m/p-Xylene
Concen: 6.817 ppbv
RT: 13.02 min Scan# 3182
Delta R.T. -0.00 min
Lab File: VL035324.D
Acq: 3 Aug 2020 21:06

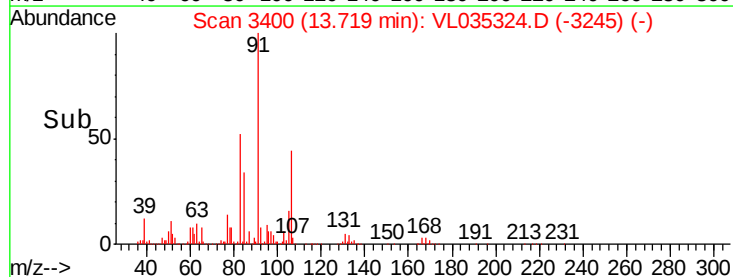
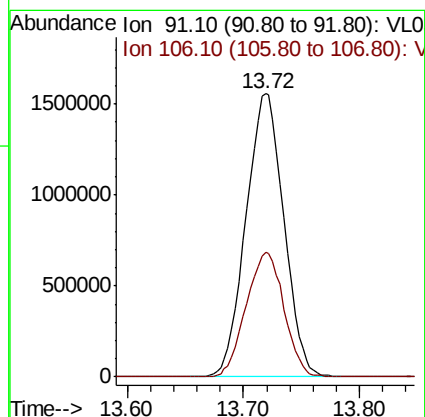
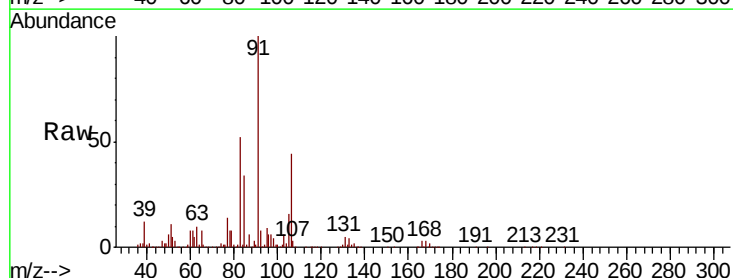
Instrument :
MSVOA_L
ClientSampleId :
VL0803ABS01

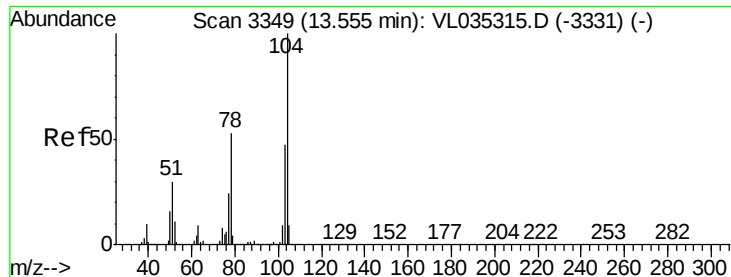
Tot Ion: 91 Resp: 2995509
Ion Ratio Lower Upper
91 100
106 107.6 36.6 55.0#



#60
o-Xylene
Concen: 8.146 ppbv
RT: 13.72 min Scan# 3400
Delta R.T. -0.00 min
Lab File: VL035324.D
Acq: 3 Aug 2020 21:06

Tgt Ion: 91 Resp: 3538570
Ion Ratio Lower Upper
91 100
106 44.0 22.4 67.3





#61

Stvrene

Concen: 9.109 ppbv

RT: 13.55 min Scan# 3348

Delta R.T. -0.00 min

Lab File: VL035324.D

Acq: 3 Aug 2020 21:06

Instrument :

MSVOA_L

ClientSampleId :

VL0803ABS01

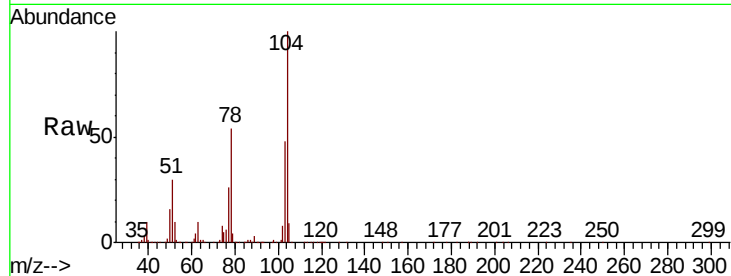
Tot Ion:104 Resp: 2432755

Ion Ratio Lower Upper

104 100

78 54.6 43.1 64.7

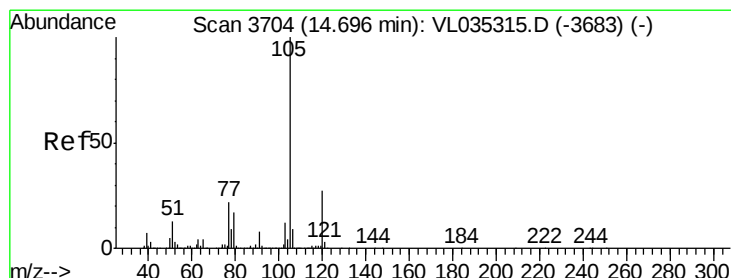
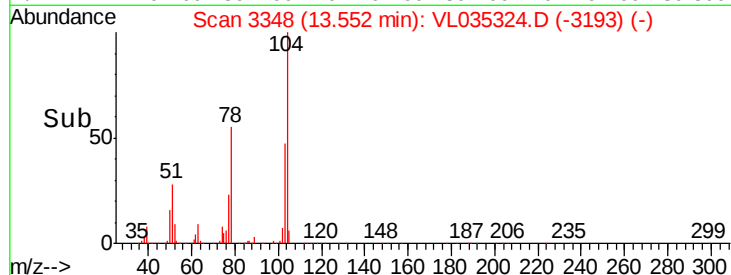
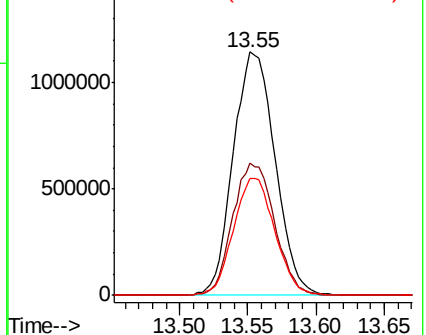
103 47.7 37.6 56.4



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: 7.878 ppbv

RT: 14.70 min Scan# 3704

Delta R.T. 0.00 min

Lab File: VL035324.D

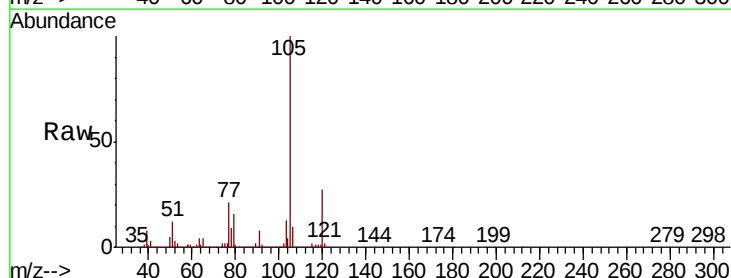
Acq: 3 Aug 2020 21:06

Tgt Ion:105 Resp: 5162133

Ion Ratio Lower Upper

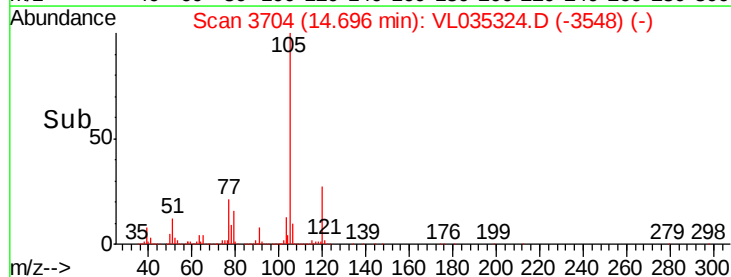
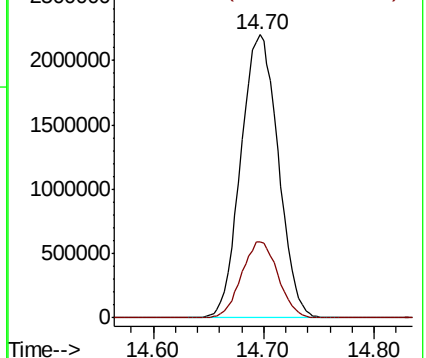
105 100

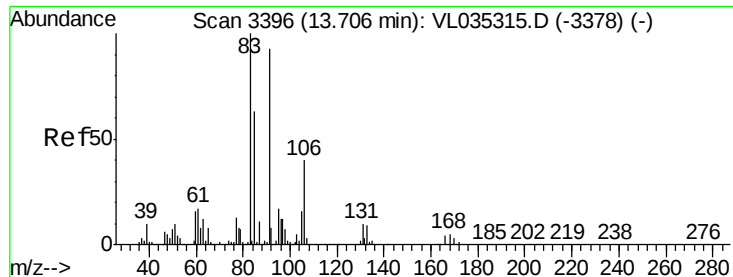
120 26.3 21.0 31.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

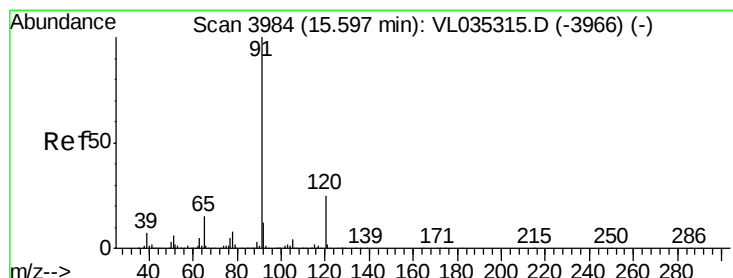
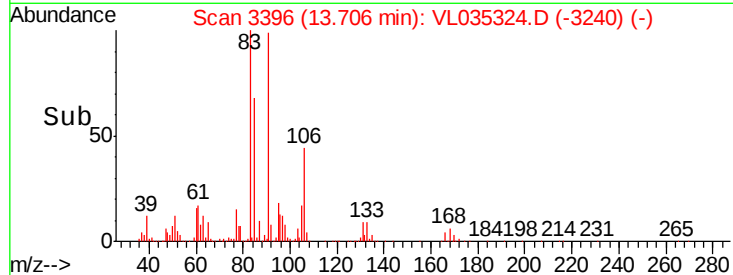
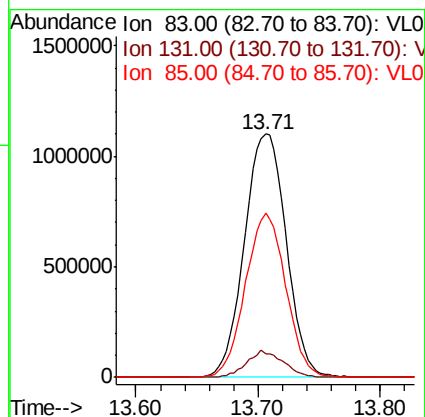
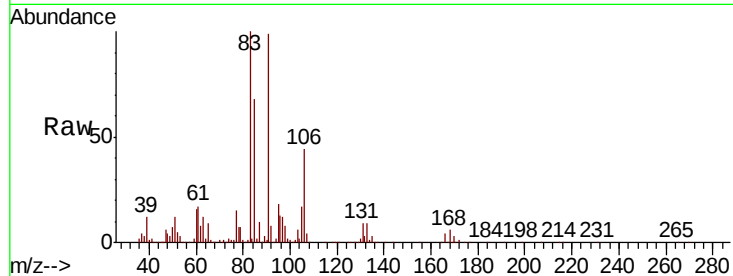




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.666 ppbv
 RT: 13.71 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VL035324.D
 Acq: 3 Aug 2020 21:06

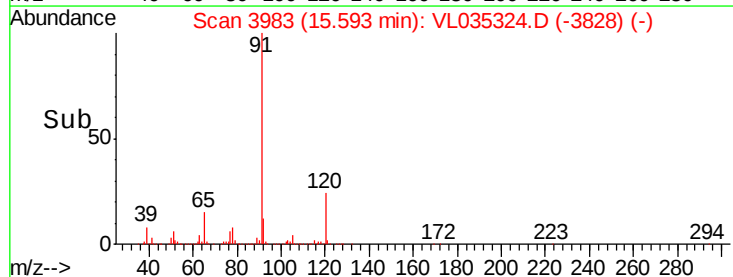
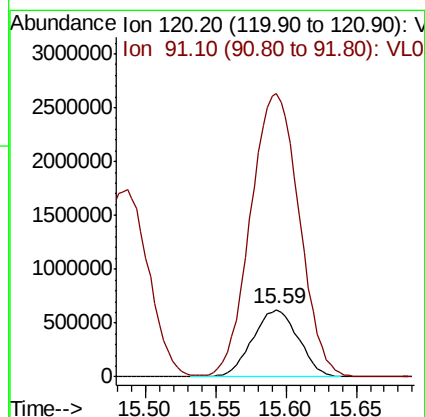
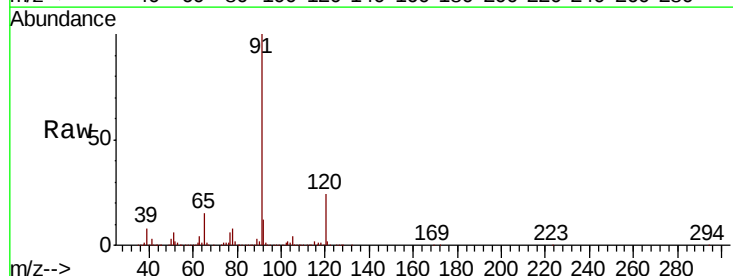
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0803ABS01

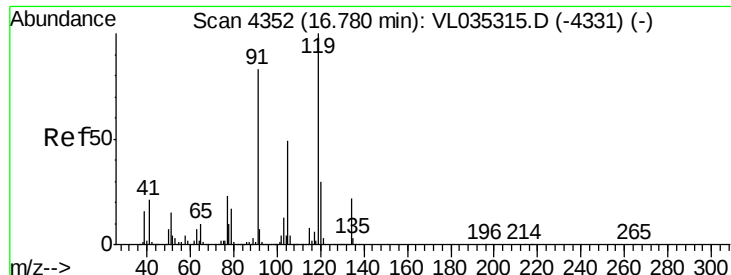
Tot Ion: 83 Resp: 2612216
 Ion Ratio Lower Upper
 83 100
 131 9.7 4.6 13.8
 85 65.0 32.6 97.7



#64
 n-propylbenzene
 Concen: 8.254 ppbv
 RT: 15.59 min Scan# 3983
 Delta R.T. -0.00 min
 Lab File: VL035324.D
 Acq: 3 Aug 2020 21:06

Tgt Ion: 120 Resp: 1414907
 Ion Ratio Lower Upper
 120 100
 91 449.0 359.3 538.9

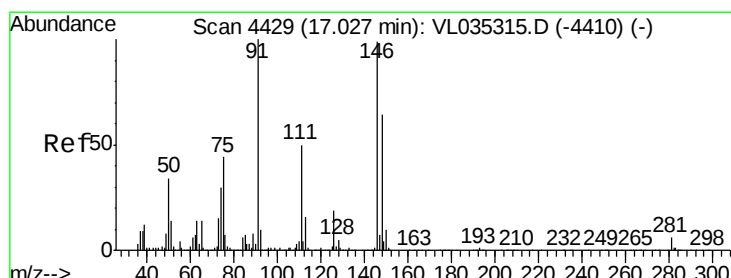
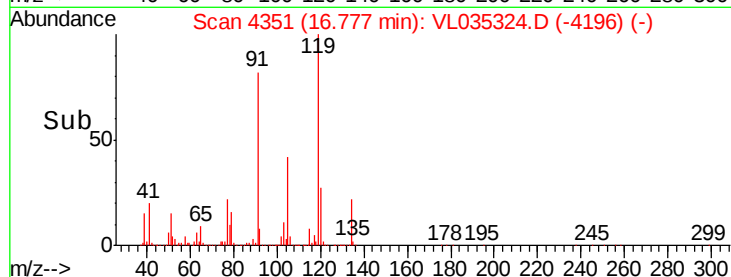
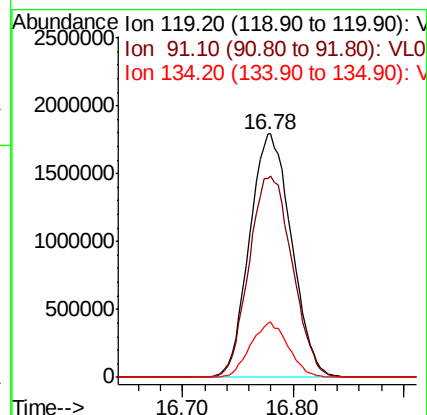
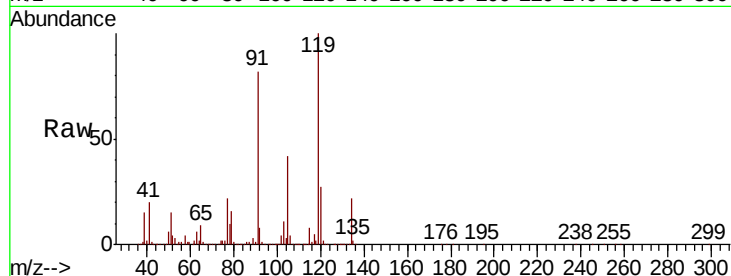




#65
tert-Butylbenzene
Concen: 8.056 ppbv
RT: 16.78 min Scan# 4351
Delta R.T. -0.00 min
Lab File: VL035324.D
Acq: 3 Aug 2020 21:06

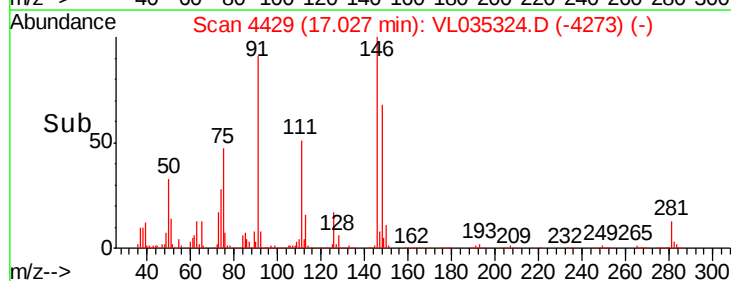
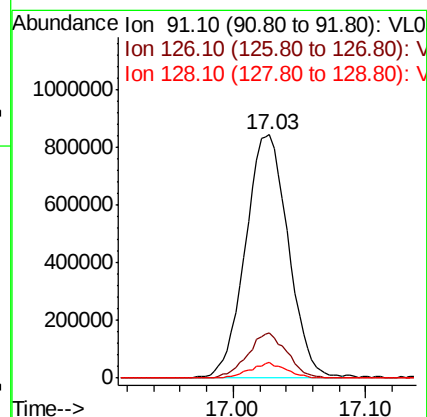
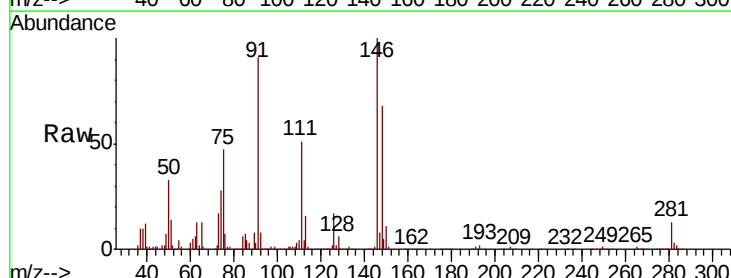
Instrument :
MSVOA_L
ClientSampleId :
VL0803ABS01

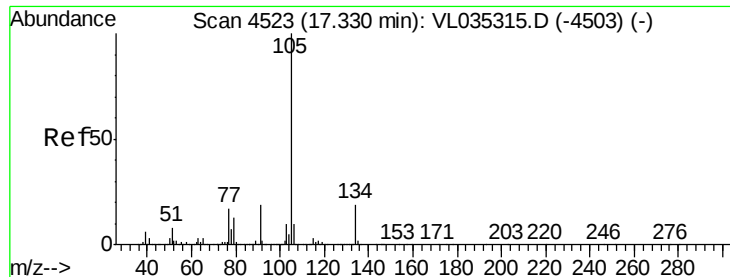
Tot Ion:119 Resp: 4727004
Ion Ratio Lower Upper
119 100
91 85.2 67.8 101.8
134 20.4 16.1 24.1



#66
Benzyl Chloride
Concen: 8.343 ppbv
RT: 17.03 min Scan# 4429
Delta R.T. 0.00 min
Lab File: VL035324.D
Acq: 3 Aug 2020 21:06

Tgt Ion: 91 Resp: 1892683
Ion Ratio Lower Upper
91 100
126 17.1 13.8 20.8
128 5.4 4.2 6.4

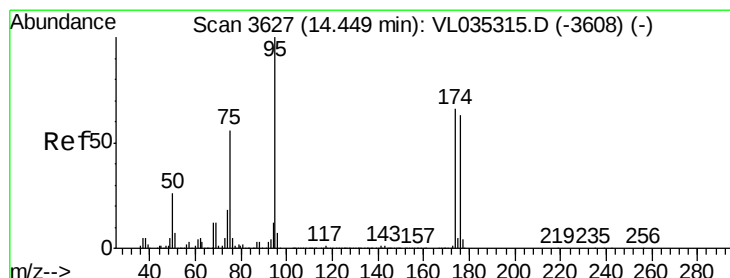
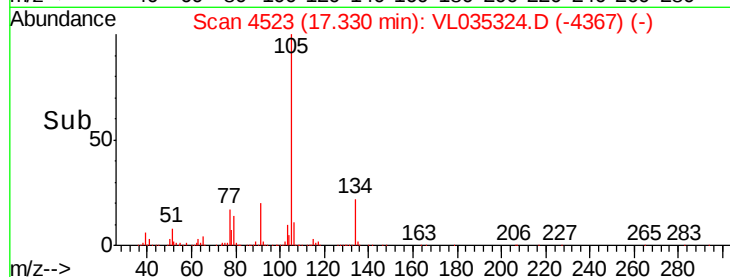
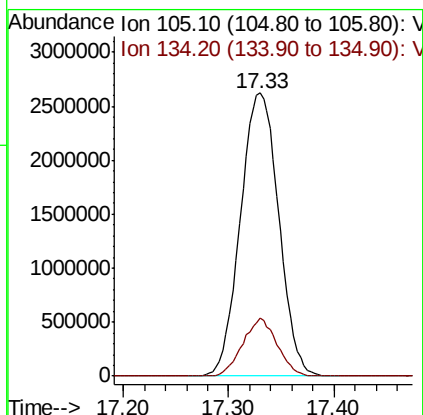
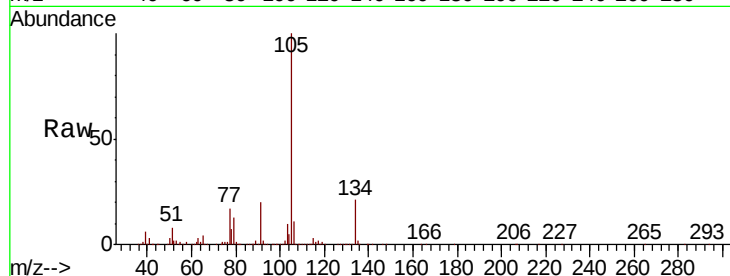




#67
 sec-Butylbenzene
 Concen: 7.980 ppbv
 RT: 17.33 min Scan# 4523
 Delta R.T. 0.00 min
 Lab File: VL035324.D
 Acq: 3 Aug 2020 21:06

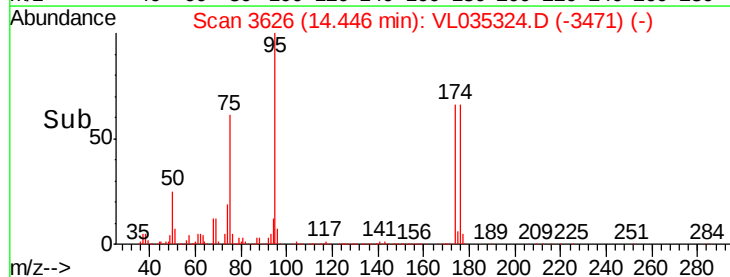
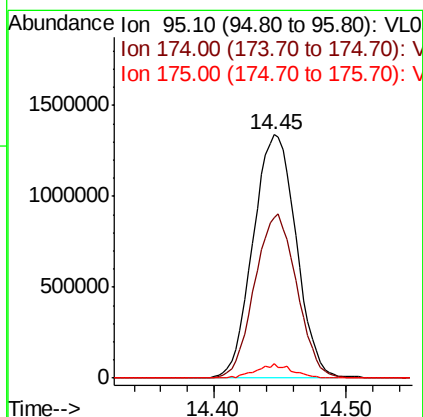
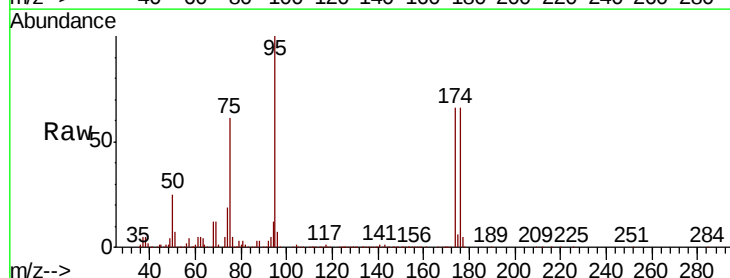
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0803ABS01

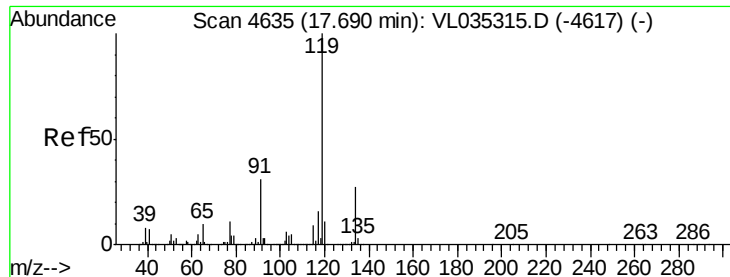
Tot Ion:105 Resp: 6620307
 Ion Ratio Lower Upper
 105 100
 134 18.5 15.1 22.7



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.321 ppbv
 RT: 14.45 min Scan# 3626
 Delta R.T. -0.00 min
 Lab File: VL035324.D
 Acq: 3 Aug 2020 21:06

Tgt Ion: 95 Resp: 3029226
 Ion Ratio Lower Upper
 95 100
 174 66.1 52.5 78.7
 175 4.8 3.9 5.9





#69

p-Isopropyltoluene

Concen: 8.008 ppbv

RT: 17.69 min Scan# 4635

Delta R.T. 0.00 min

Lab File: VL035324.D

Acq: 3 Aug 2020 21:06

Instrument :

MSVOA_L

ClientSampleId :

VL0803ABS01

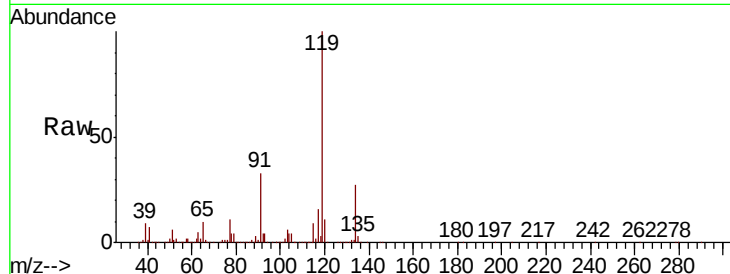
Tot Ion:119 Resp: 5496331

Ion Ratio Lower Upper

119 100

134 26.2 21.2 31.8

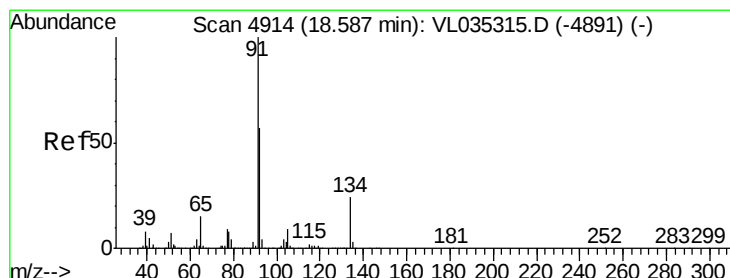
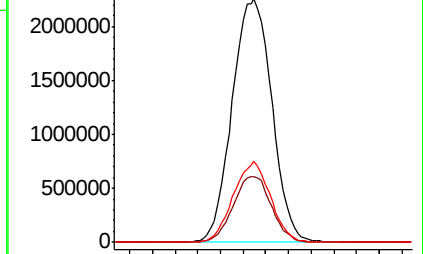
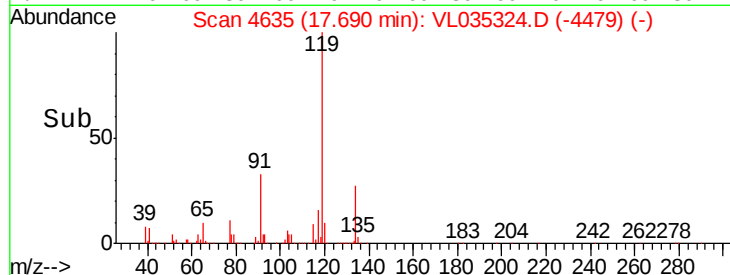
91 31.4 25.3 37.9



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): VL0



#70

n-Butylbenzene

Concen: 7.755 ppbv

RT: 18.58 min Scan# 4913

Delta R.T. -0.00 min

Lab File: VL035324.D

Acq: 3 Aug 2020 21:06

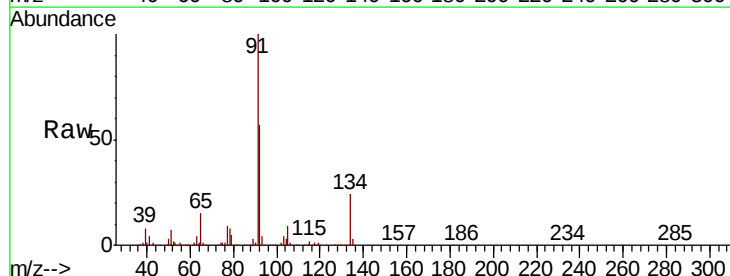
Tgt Ion: 91 Resp: 5726242

Ion Ratio Lower Upper

91 100

92 55.5 44.6 66.8

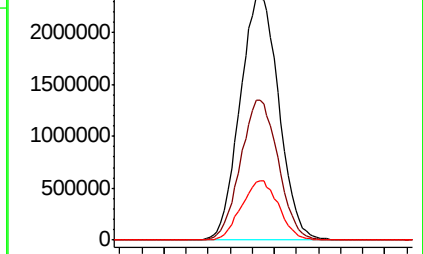
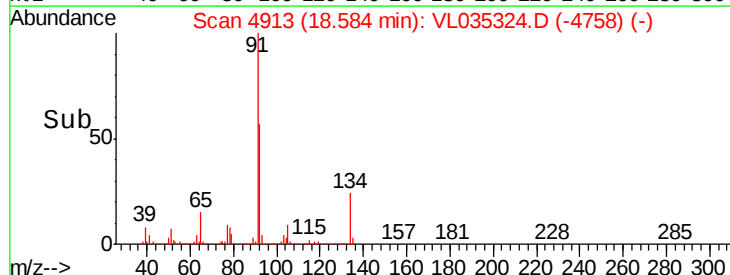
134 23.4 18.6 27.8

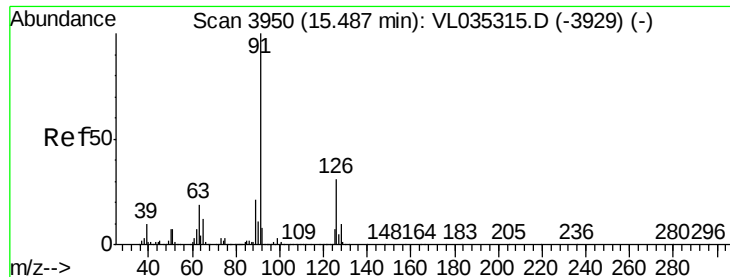


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V

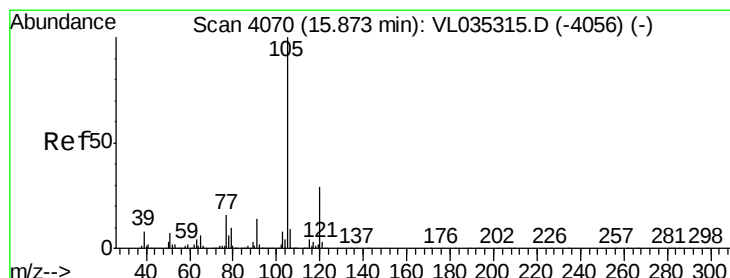
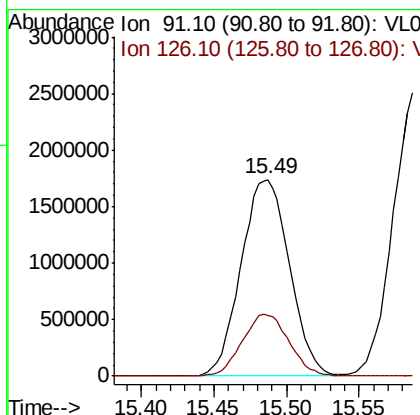
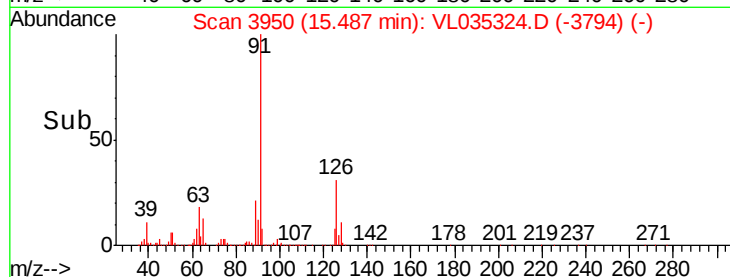
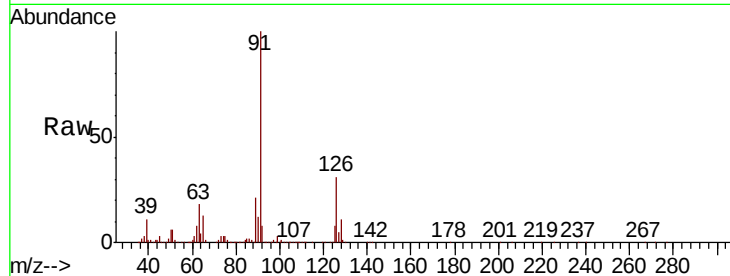




#71
 2-Chlorotoluene
 Concen: 8.247 ppbv
 RT: 15.49 min Scan# 3950
 Delta R.T. 0.00 min
 Lab File: VL035324.D
 Acq: 3 Aug 2020 21:06

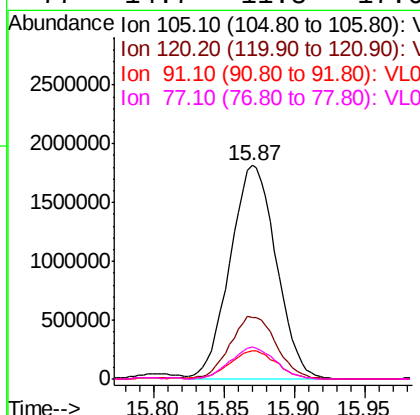
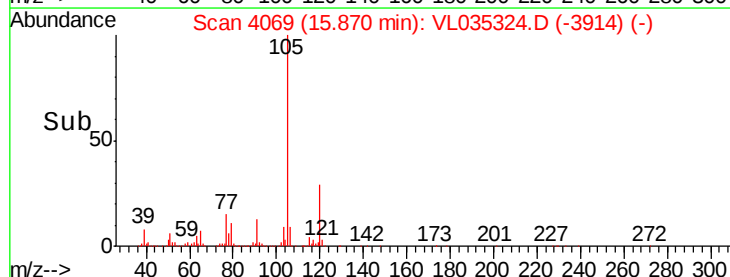
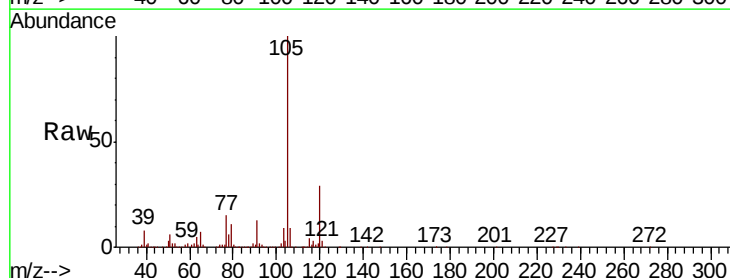
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0803ABS01

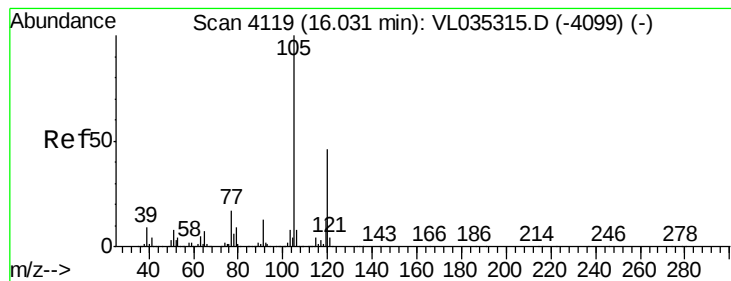
Tot Ion: 91 Resp: 4033342
 Ion Ratio Lower Upper
 91 100
 126 30.5 12.3 49.3



#72
 4-Ethyltoluene
 Concen: 8.451 ppbv
 RT: 15.87 min Scan# 4069
 Delta R.T. -0.00 min
 Lab File: VL035324.D
 Acq: 3 Aug 2020 21:06

Tgt Ion:105 Resp: 4141869
 Ion Ratio Lower Upper
 105 100
 120 29.3 23.6 35.4
 91 13.5 11.3 16.9
 77 14.7 11.8 17.6





#73

1,3,5-Trimethylbenzene

Concen: 8.168 ppbv

RT: 16.03 min Scan# 4118

Delta R.T. -0.00 min

Lab File: VL035324.D

Acq: 3 Aug 2020 21:06

Instrument :

MSVOA_L

ClientSampleId :

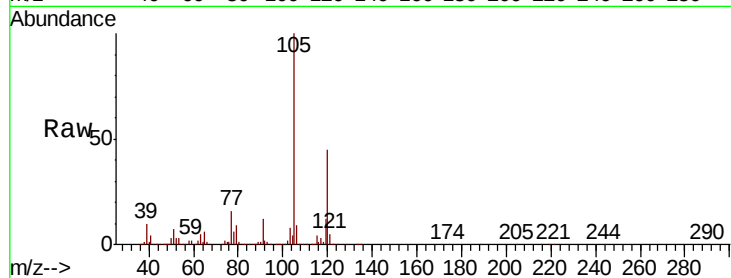
VL0803ABS01

Tot Ion:105 Resp: 3921338

Ion Ratio Lower Upper

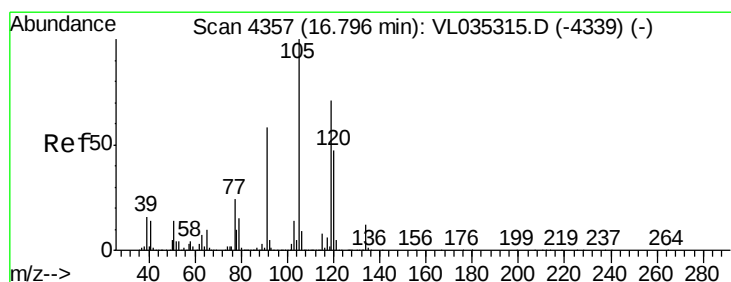
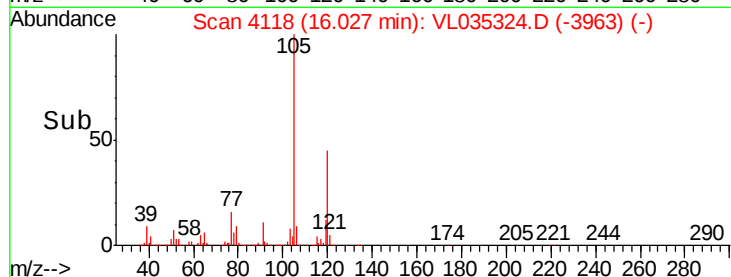
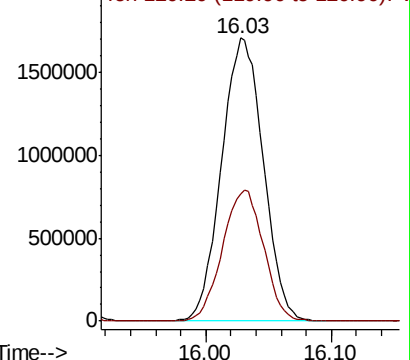
105 100

120 45.2 36.6 54.8



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: 7.586 ppbv

RT: 16.80 min Scan# 4358

Delta R.T. 0.00 min

Lab File: VL035324.D

Acq: 3 Aug 2020 21:06

Tgt Ion:105 Resp: 4175603

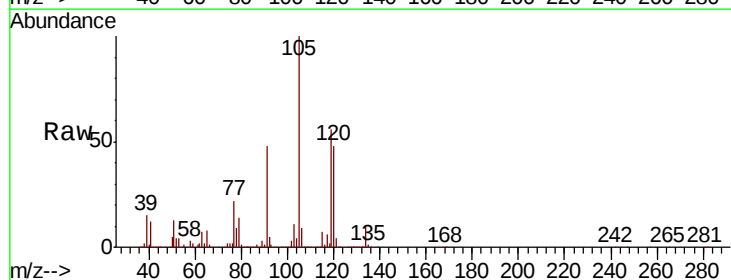
Ion Ratio Lower Upper

105 100

120 47.4 38.0 57.0

91 47.7 47.9 71.9#

77 22.2 19.6 29.4

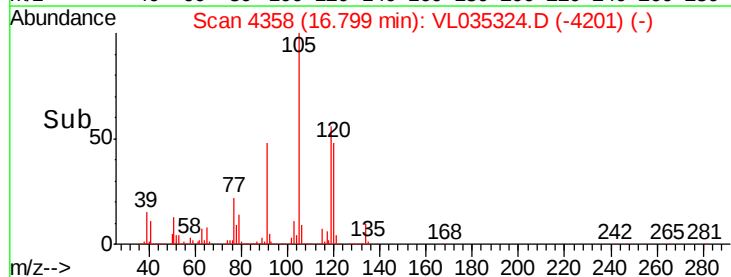
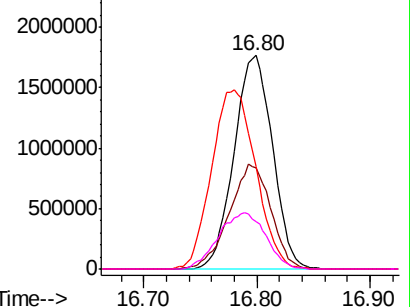


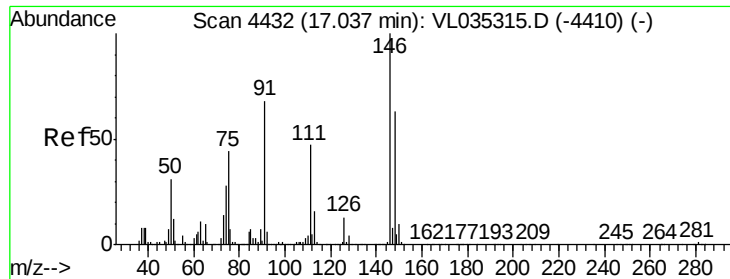
Abundance Ion 105.10 (104.80 to 105.80): V

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

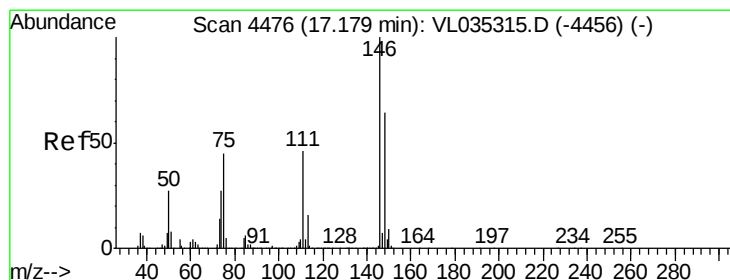
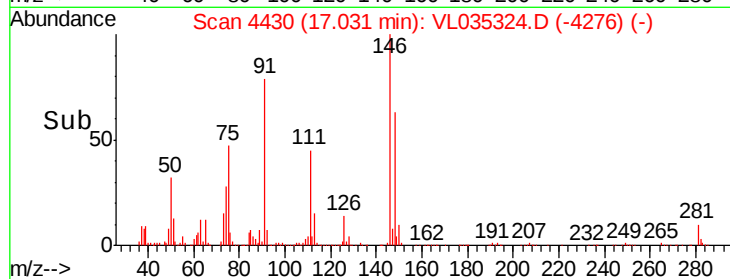
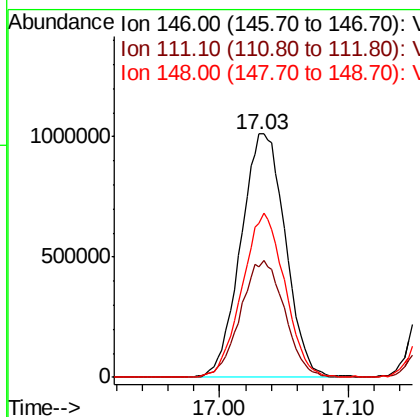
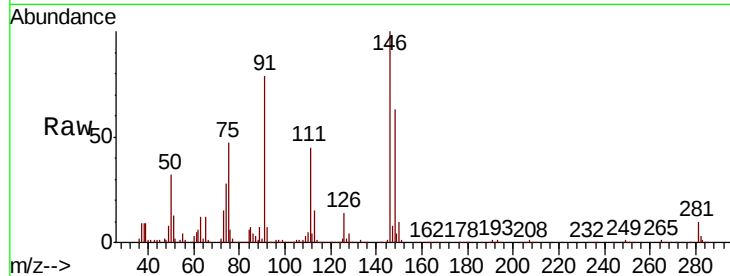




#75
 1,3-Dichlorobenzene
 Concen: 7.091 ppbv
 RT: 17.03 min Scan# 4430
 Delta R.T. -0.01 min
 Lab File: VL035324.D
 Acq: 3 Aug 2020 21:06

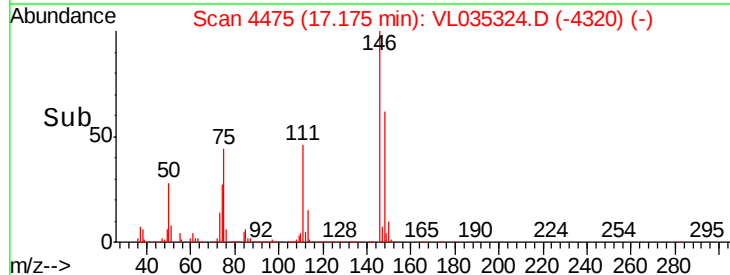
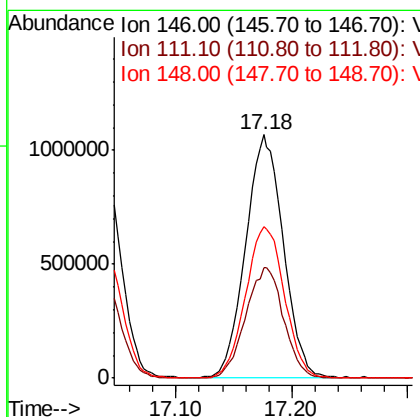
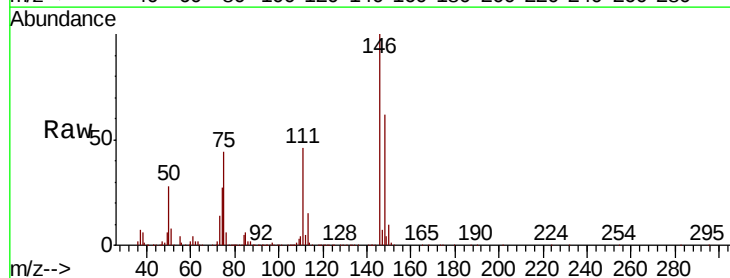
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0803ABS01

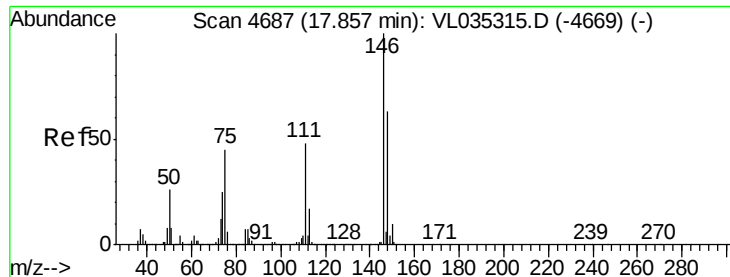
Tot Ion:146 Resp: 2428190
 Ion Ratio Lower Upper
 146 100
 111 47.5 24.2 72.6
 148 65.0 32.4 97.0



#76
 1,4-Dichlorobenzene
 Concen: 7.414 ppbv
 RT: 17.18 min Scan# 4475
 Delta R.T. -0.00 min
 Lab File: VL035324.D
 Acq: 3 Aug 2020 21:06

Tgt Ion:146 Resp: 2403034
 Ion Ratio Lower Upper
 146 100
 111 46.3 23.6 70.8
 148 64.6 32.8 98.4





#77

1,2-Dichlorobenzene

Concen: 7.402 ppbv

RT: 17.86 min Scan# 4687

Delta R.T. 0.00 min

Lab File: VL035324.D

Acq: 3 Aug 2020 21:06

Instrument :

MSVOA_L

ClientSampleId :

VL0803ABS01

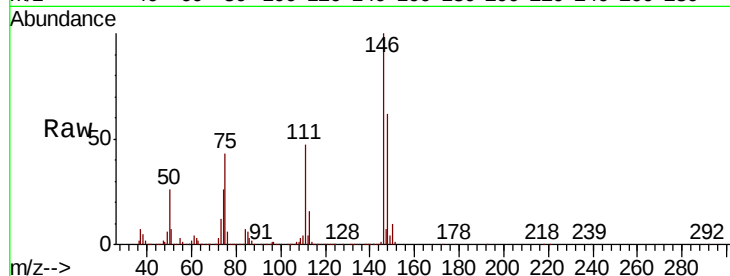
Tot Ion:146 Resp: 2337593

Ion Ratio Lower Upper

146 100

111 49.6 24.6 73.6

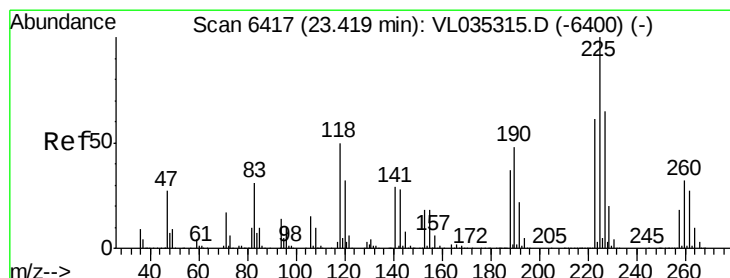
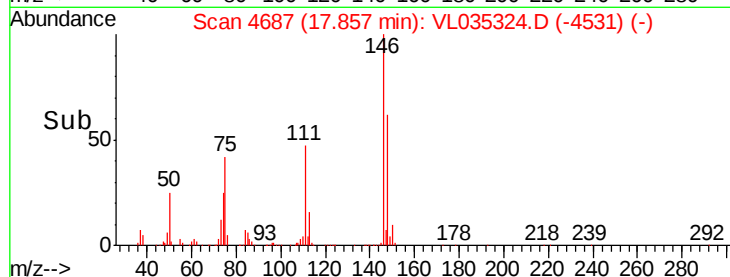
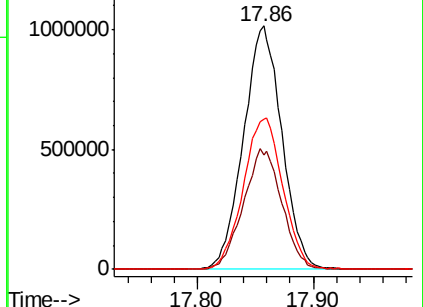
148 64.1 32.3 96.8



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: 6.713 ppbv

RT: 23.42 min Scan# 6417

Delta R.T. 0.00 min

Lab File: VL035324.D

Acq: 3 Aug 2020 21:06

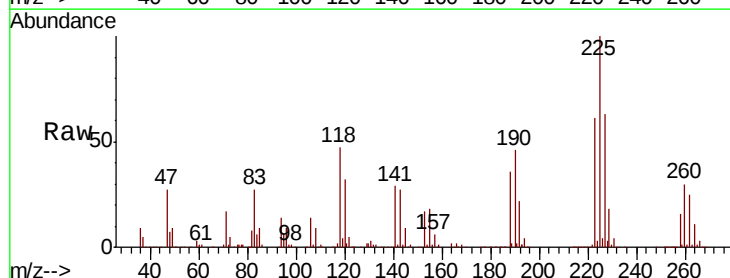
Tgt Ion:225 Resp: 1721205

Ion Ratio Lower Upper

225 100

223 63.9 50.2 75.4

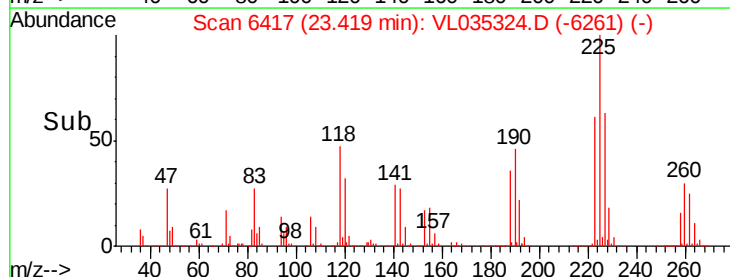
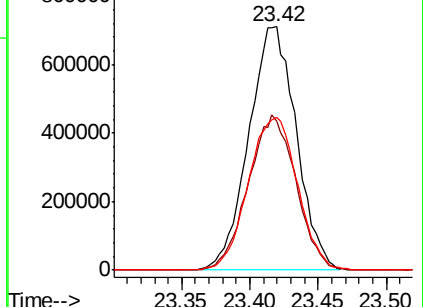
227 65.2 52.7 79.1

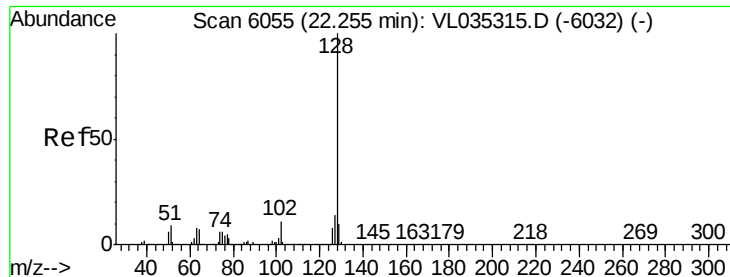


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 8.150 ppbv

RT: 22.25 min Scan# 6053

Delta R.T. -0.01 min

Lab File: VL035324.D

Acq: 3 Aug 2020 21:06

Instrument :

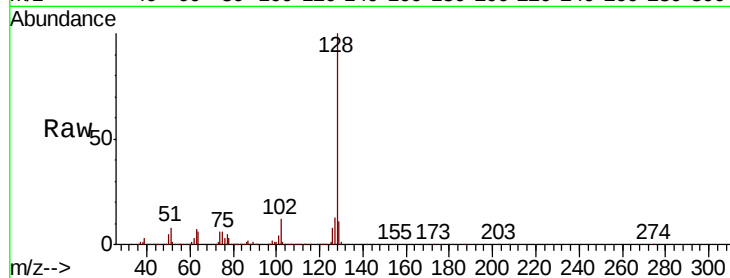
MSVOA_L

ClientSampleId :

VL0803ABS01

Tot Ion:128 Resp: 3550827

Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.8	16.2
129	11.3	8.4	12.6

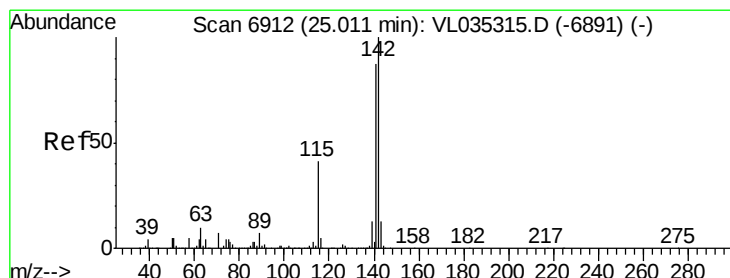
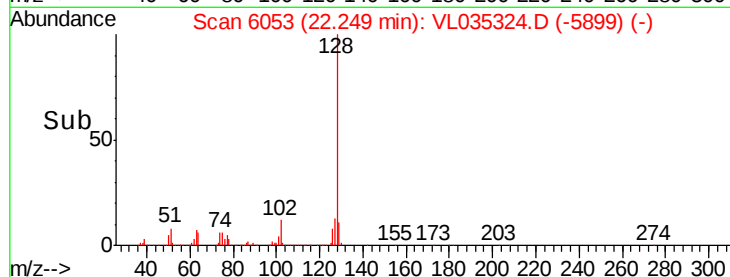
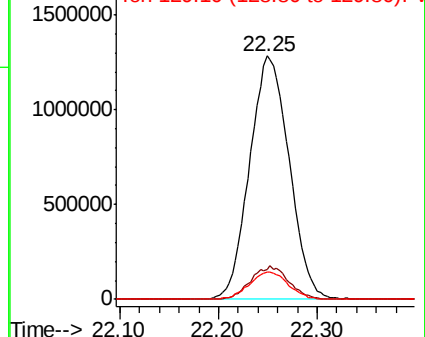


Abundance

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: 8.928 ppbv

RT: 25.01 min Scan# 6912

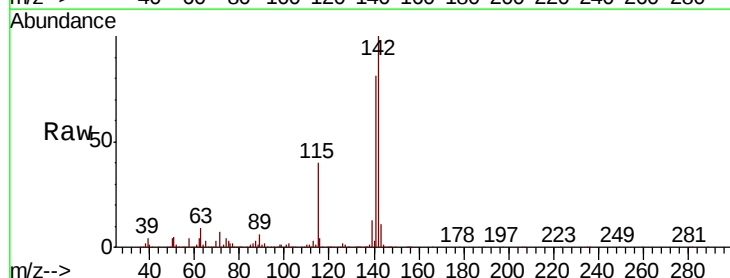
Delta R.T. 0.00 min

Lab File: VL035324.D

Acq: 3 Aug 2020 21:06

Tgt Ion:142 Resp: 1142085

Ion	Ratio	Lower	Upper
142	100		
141	83.6	68.3	102.5
115	44.2	35.0	52.4

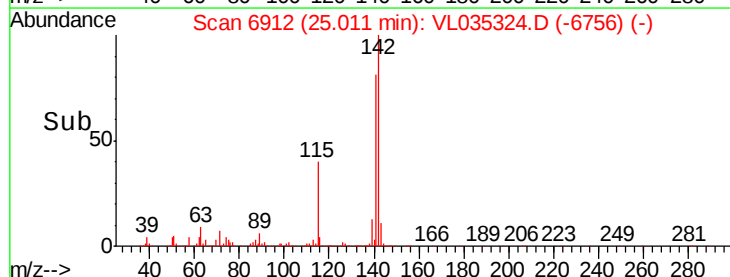
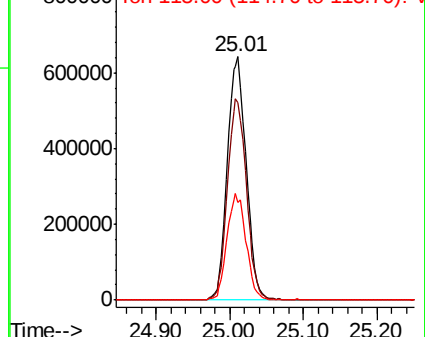


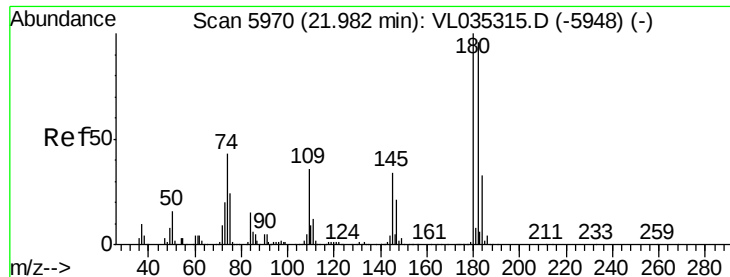
Abundance

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

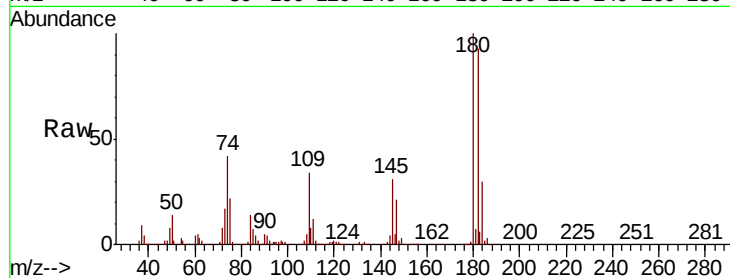




#81
 1,2,4-Trichlorobenzene
 Concen: 7.557 ppbv
 RT: 21.98 min Scan# 5970
 Delta R.T. 0.00 min
 Lab File: VL035324.D
 Acq: 3 Aug 2020 21:06

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0803ABS01

Tot Ion:180 Resp: 2002988
 Ion Ratio Lower Upper
 180 100
 182 94.8 76.9 115.3
 184 30.9 25.0 37.6



Abundance Ion 180.00 (179.70 to 180.70): V
 1000000 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V

