

Data File : VL034276.D
Acq On : 9 Oct 2019 13:02
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleID :
VSTDCCC010EC

Quant Time: Oct 10 01:23:32 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 18 12:53:31 2019
QLast Update : Wed Sep 18 12:53:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	955545	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.22	114	1830757	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.15	117	1957619	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.49	95	1009176	5.93	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	59.30%#

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.03	85	1503705	10.654	ppbv	100
3) Chlorodifluoromethane	2.97	51	1043001	9.309	ppbv	98
4) Chloromethane	3.12	50	603565	9.167	ppbv	100
5) Vinyl Chloride	3.24	62	551787	9.171	ppbv	99
6) Bromomethane	3.46	94	296949	10.578	ppbv	94
7) Chloroethane	3.55	64	199450	9.484	ppbv	95
8) Dichlorotetrafluoroethane	3.17	85	1181677	9.486	ppbv	100
9) Propene	2.99	41	523020	9.462	ppbv	97
10) Heptane	8.17	43	1332631	9.250	ppbv	99
11) Trichlorofluoromethane	3.94	101	1226318	9.545	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.49	101	847835	10.084	ppbv	99
13) Ethanol	3.59	45	111692	8.344	ppbv	95
14) Bromoethene	3.73	108	361165	10.506	ppbv	98
15) Acetone	3.84	43	1318894	10.298	ppbv	99
16) 1,3-Butadiene	3.31	39	535875	9.588	ppbv	99
17) tert-Butyl alcohol	4.29	59	839182	10.342	ppbv	99
18) 1,1-Dichloroethene	4.29	96	393377	10.727	ppbv	86
19) Isopropyl Alcohol	3.97	45	726265	9.222	ppbv	100
20) Methylene Chloride	4.34	84	347549	9.412	ppbv	90
21) Allyl Chloride	4.42	41	737987	10.202	ppbv	99
22) trans-1,2-Dichloroethene	4.90	96	400219	10.908	ppbv	95
23) Vinyl Acetate	5.09	43	1951512	10.341	ppbv	98
24) 1,1-Dichloroethane	5.02	63	1145956	9.018	ppbv	99
25) Ethyl Acetate	5.70	43	2143998	8.853	ppbv	99
26) Hexane	5.71	57	921870	9.151	ppbv	97
27) Carbon Disulfide	4.56	76	985258	10.604	ppbv	99
28) Methyl tert-Butyl Ether	5.04	73	1509193	10.087	ppbv	97
29) Chloroform	5.78	83	1367142	9.497	ppbv	99
30) Cyclohexane	7.17	84	734932	10.105	ppbv	93
31) cis-1,2-Dichloroethene	5.57	61	969807	9.443	ppbv	93
32) 1,1,1-Trichloroethane	6.54	97	1290110	9.292	ppbv	97
34) 2-Butanone	5.26	43	1517001	8.115	ppbv	96
35) Carbon Tetrachloride	7.05	117	1243887	8.178	ppbv	100
36) Benzene	6.92	78	1808768	8.946	ppbv	98
37) 1,2-Dichloroethane	6.34	62	1125038	7.823	ppbv	98
38) Trichloroethene	7.88	130	583554	8.077	ppbv	99
39) 1,2-Dichloropropane	7.65	63	763794	8.407	ppbv	92
40) 1,4-Dioxane	7.87	88	258923	8.807	ppbv #	83
41) Tetrahydrofuran	6.07	42	895069	8.502	ppbv	96
42) Bromodichloromethane	7.84	83	1479165	8.570	ppbv	99
43) Methyl Methacrylate	8.06	69	780669	9.346	ppbv	92

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Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LWed Sep 18 12:53:31 2019
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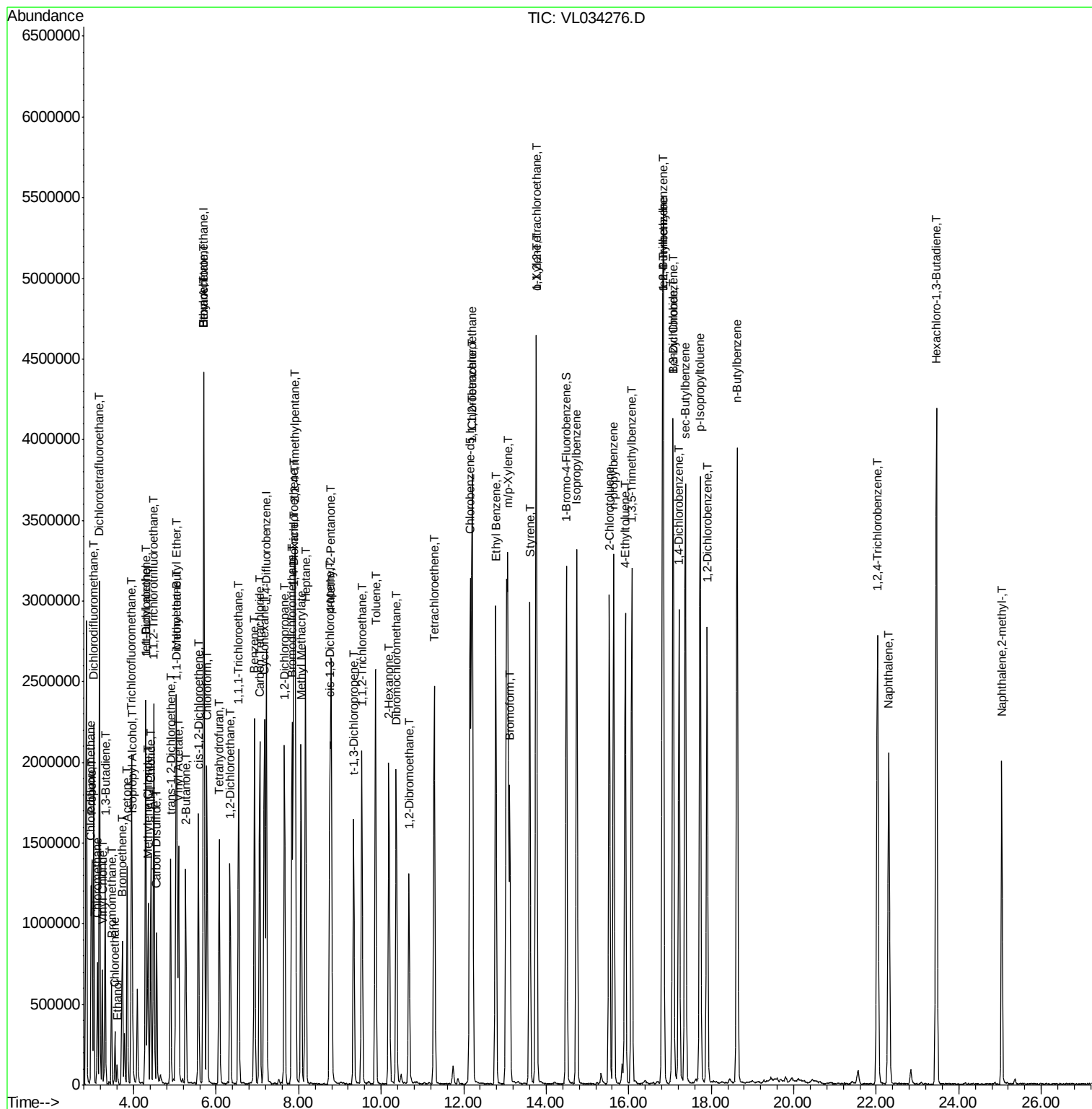
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.91	57	3197691	8.215	ppbv	97
45) t-1,3-Dichloropropene	9.34	75	969116	9.813	ppbv	95
46) cis-1,3-Dichloropropene	8.75	75	1115990	9.394	ppbv	90
47) 1,1,2-Trichloroethane	9.53	97	714373	8.757	ppbv	97
48) Dibromochloromethane	10.37	129	1136026	8.786	ppbv	99
49) Bromoform	13.11	173	995496	9.514	ppbv	98
50) 4-Methyl-2-Pentanone	8.79	43	2205695	8.108	ppbv	99
51) 2-Hexanone	10.19	43	1906303	8.350	ppbv #	96
52) Tetrachloroethene	11.29	164	583847	8.740	ppbv	96
53) Toluene	9.86	91	2025904	9.168	ppbv	98
54) 1,2-Dibromoethane	10.67	107	1090383	8.988	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.19	131	766556	8.780	ppbv	100
57) Chlorobenzene	12.21	112	1407976	8.261	ppbv	99
58) Ethyl Benzene	12.78	91	2750403	8.707	ppbv	99
59) m/p-Xylene	13.06	91	2034981	7.778	ppbv #	21
60) o-Xylene	13.76	91	2211162	8.452	ppbv	99
61) Styrene	13.60	104	1675578	8.942	ppbv	98
62) Isopropylbenzene	14.74	105	2874915	8.489	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.75	83	1635189	7.623	ppbv	99
64) n-propylbenzene	15.64	120	752448	8.782	ppbv	93
65) tert-Butylbenzene	16.82	119	2472665	8.356	ppbv	99
66) Benzyl Chloride	17.07	91	1301656	12.434	ppbv	99
67) sec-Butylbenzene	17.37	105	3612628	8.538	ppbv	99
69) p-Isopropyltoluene	17.73	119	2942257	8.587	ppbv	98
70) n-Butylbenzene	18.63	91	3359708	8.421	ppbv	98
71) 2-Chlorotoluene	15.53	91	2401100	8.678	ppbv	99
72) 4-Ethyltoluene	15.92	105	2553324	8.639	ppbv	98
73) 1,3,5-Trimethylbenzene	16.07	105	2443537	8.558	ppbv	99
74) 1,2,4-Trimethylbenzene	16.84	105	2468348	8.141	ppbv #	92
75) 1,3-Dichlorobenzene	17.08	146	1379250	8.479	ppbv	97
76) 1,4-Dichlorobenzene	17.22	146	1376033	8.260	ppbv	100
77) 1,2-Dichlorobenzene	17.90	146	1362863	8.278	ppbv	99
78) Hexachloro-1,3-Butadiene	23.46	225	1100208	10.089	ppbv	98
79) Naphthalene	22.30	128	2544786	9.534	ppbv	99
80) Naphthalene,2-methyl-	25.04	142	1047133	8.436	ppbv	99
81) 1,2,4-Trichlorobenzene	22.03	180	1248200	8.442	ppbv	100

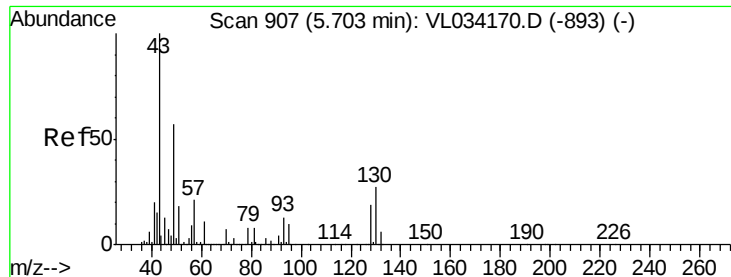
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 903

Delta R.T. -0.01 min

Lab File: VL034276.D

Acq: 9 Oct 2019 13:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

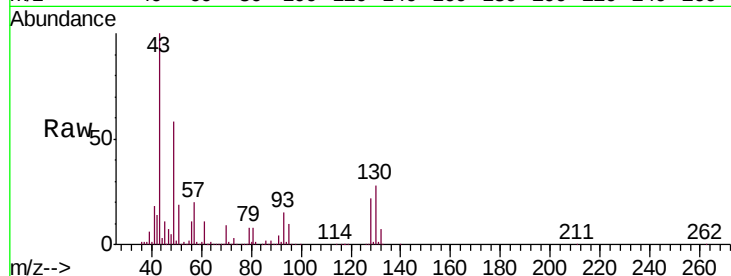
Tgt Ion: 49 Resp: 955545

Ion Ratio Lower Upper

49 100

128 37.9 17.6 52.9

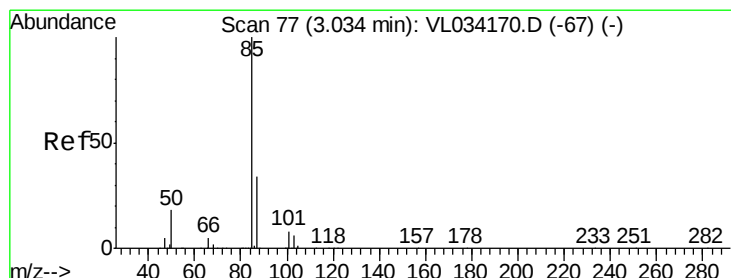
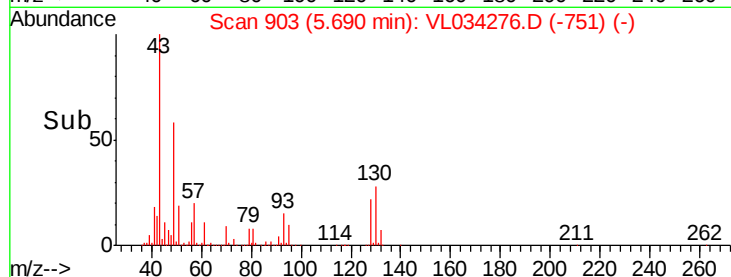
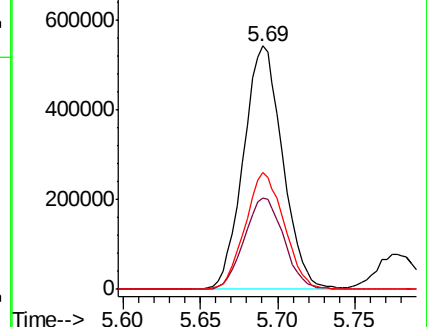
130 48.1 22.3 66.9



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: 10.654 ppbv

RT: 3.03 min Scan# 75

Delta R.T. -0.01 min

Lab File: VL034276.D

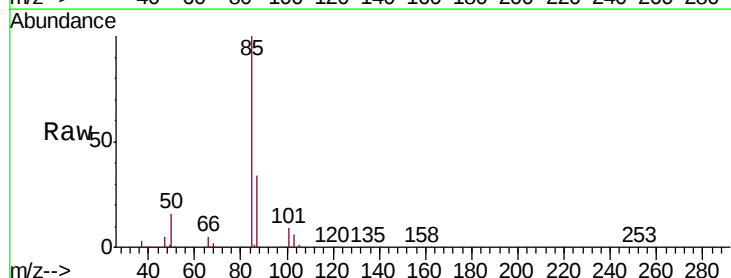
Acq: 9 Oct 2019 13:02

Tgt Ion: 85 Resp: 1503705

Ion Ratio Lower Upper

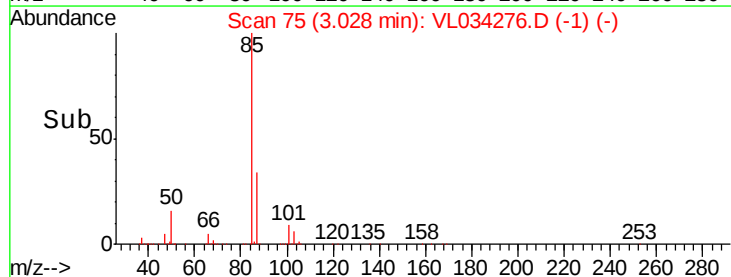
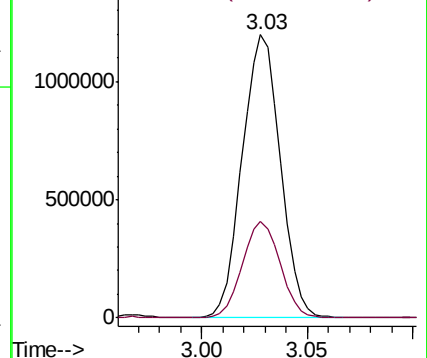
85 100

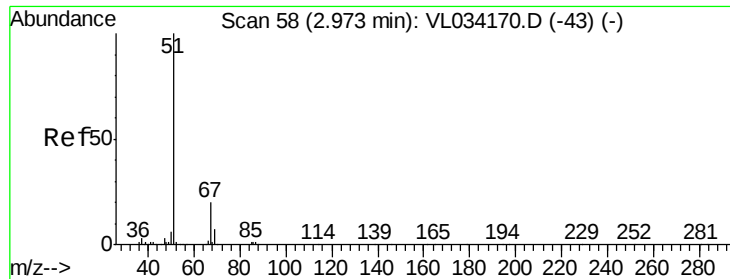
87 33.9 27.2 40.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.309 ppbv

RT: 2.97 min Scan# 56

Delta R.T. -0.01 min

Lab File: VL034276.D

Acq: 9 Oct 2019 13:02

Instrument :

MSVOA_L

ClientSampleId :

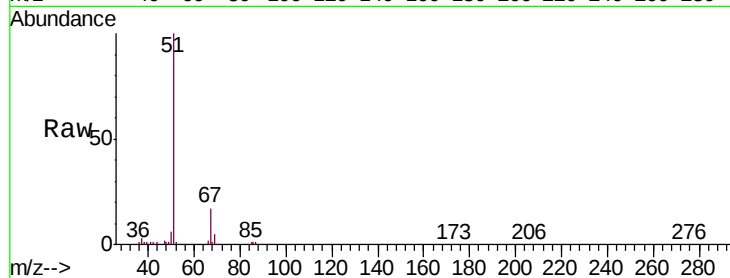
VSTDCCC010EC

Tgt Ion: 51 Resp: 1043001

Ion Ratio Lower Upper

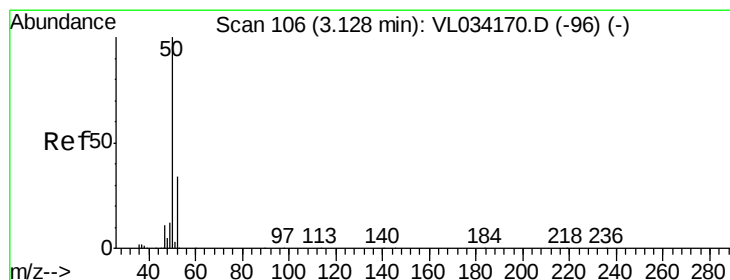
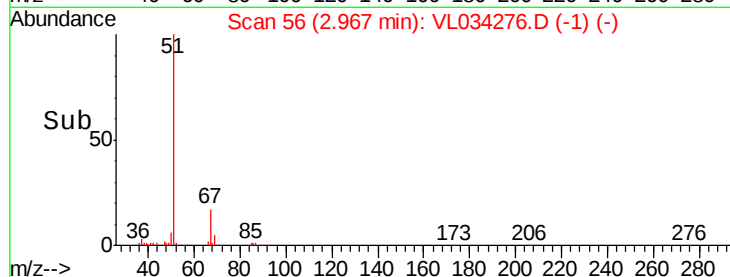
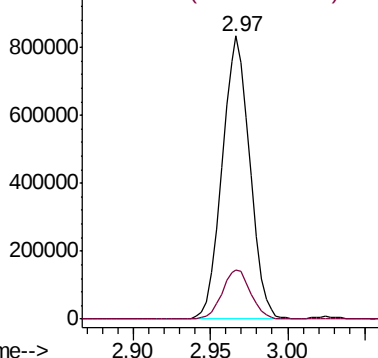
51 100

67 17.8 14.8 22.2



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.167 ppbv

RT: 3.12 min Scan# 104

Delta R.T. -0.01 min

Lab File: VL034276.D

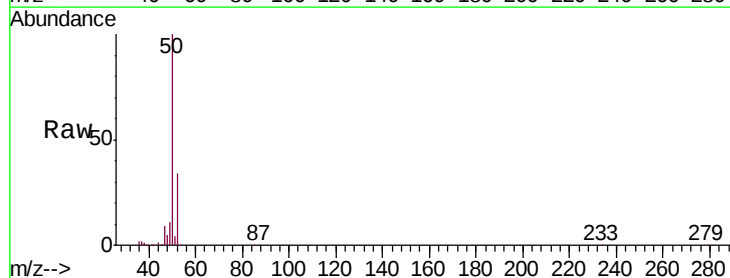
Acq: 9 Oct 2019 13:02

Tgt Ion: 50 Resp: 603565

Ion Ratio Lower Upper

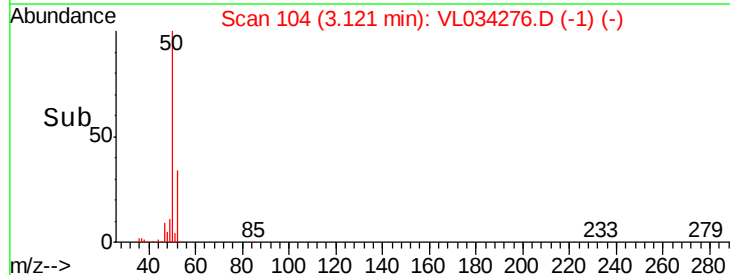
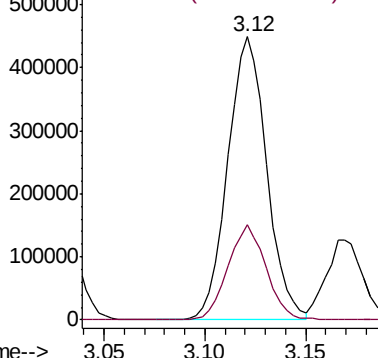
50 100

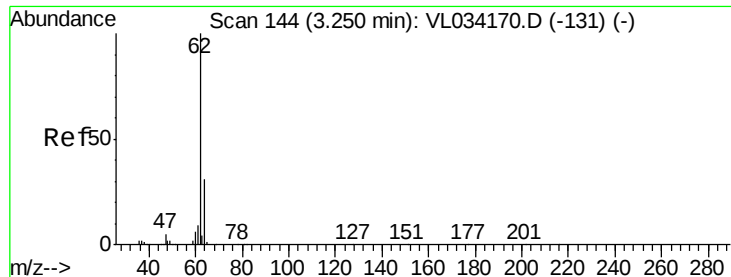
52 33.6 27.1 40.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.171 ppbv

RT: 3.24 min Scan# 140

Delta R.T. -0.01 min

Lab File: VL034276.D

Acq: 9 Oct 2019 13:02

Instrument :

MSVOA_L

ClientSampleId :

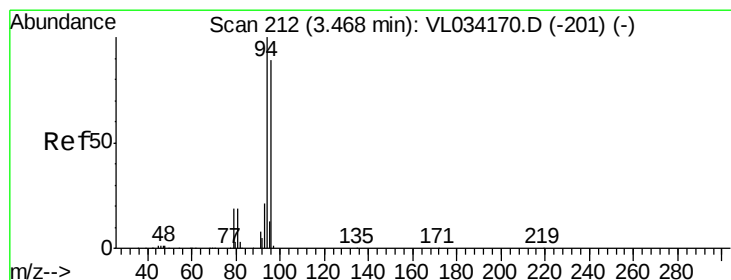
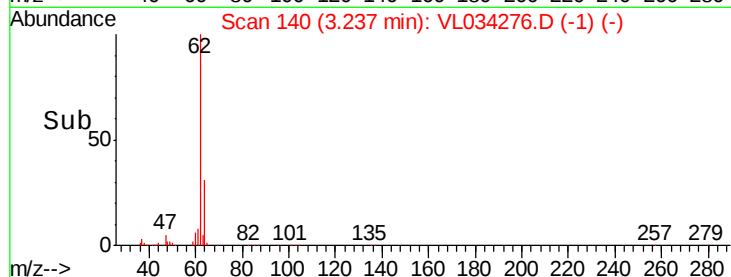
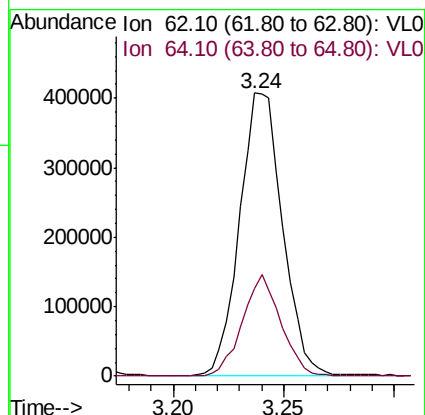
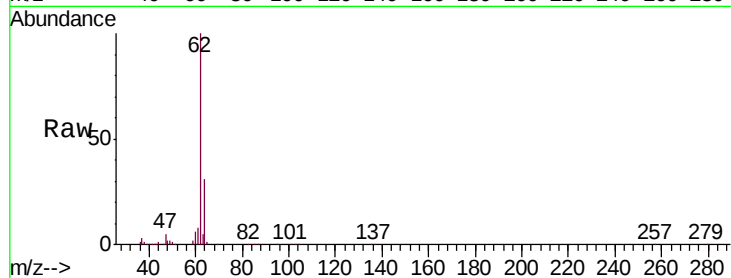
VSTDCCC010EC

Tgt Ion: 62 Resp: 551787

Ion Ratio Lower Upper

62 100

64 31.0 25.2 37.8



#6

Bromomethane

Concen: 10.578 ppbv

RT: 3.46 min Scan# 210

Delta R.T. -0.01 min

Lab File: VL034276.D

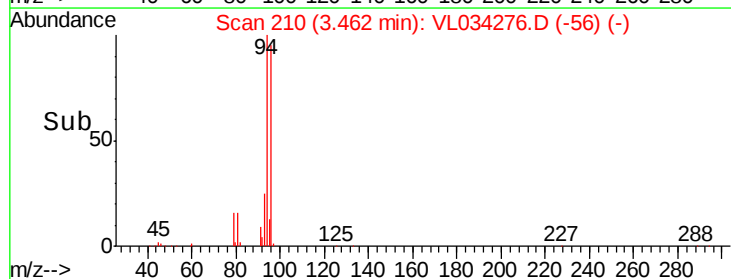
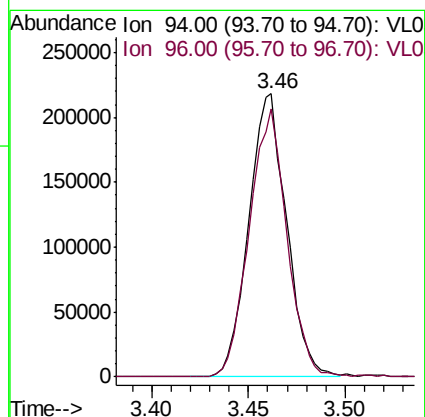
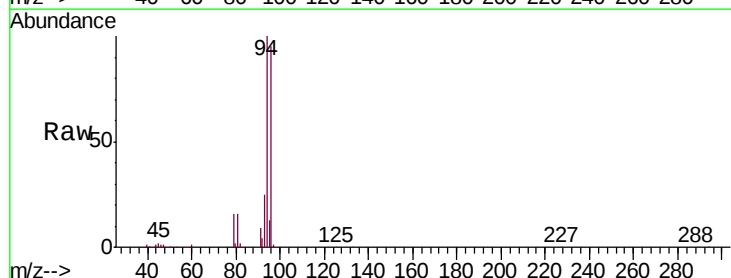
Acq: 9 Oct 2019 13:02

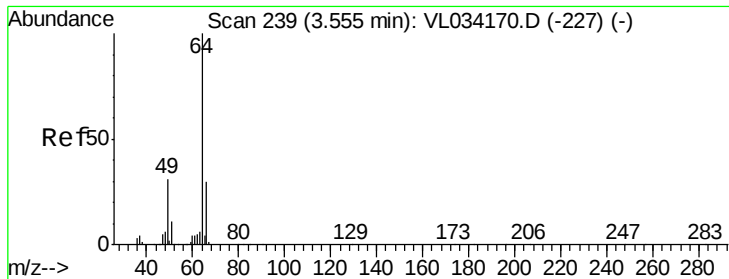
Tgt Ion: 94 Resp: 296949

Ion Ratio Lower Upper

94 100

96 94.5 71.3 106.9





#7

Chloroethane

Concen: 9.484 ppbv

RT: 3.55 min Scan# 236

Delta R.T. -0.01 min

Lab File: VL034276.D

Acq: 9 Oct 2019 13:02

Instrument :

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ClientSampleId :

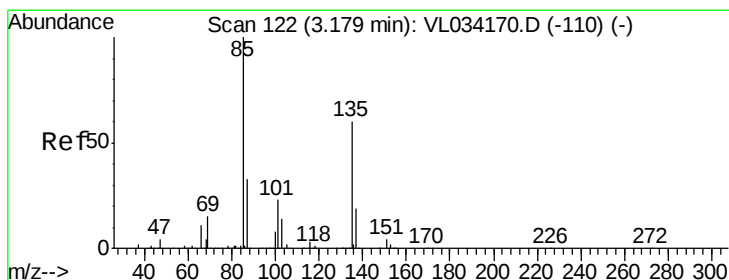
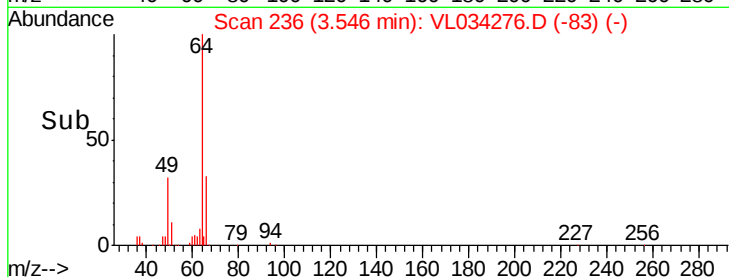
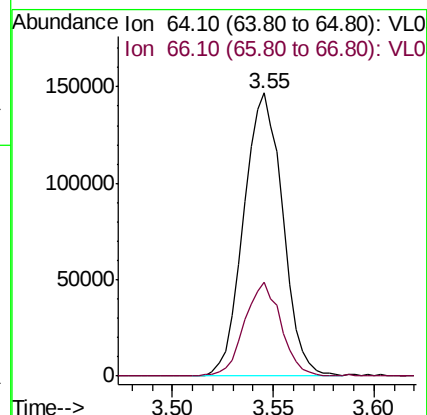
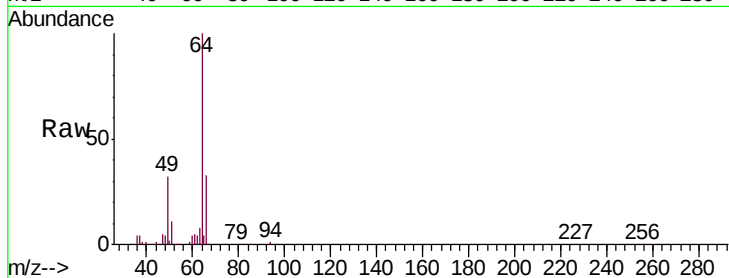
VSTDCCC010EC

Tgt Ion: 64 Resp: 199450

Ion Ratio Lower Upper

64 100

66 33.1 24.2 36.4



#8

Dichlorotetrafluoroethane

Concen: 9.486 ppbv

RT: 3.17 min Scan# 119

Delta R.T. -0.01 min

Lab File: VL034276.D

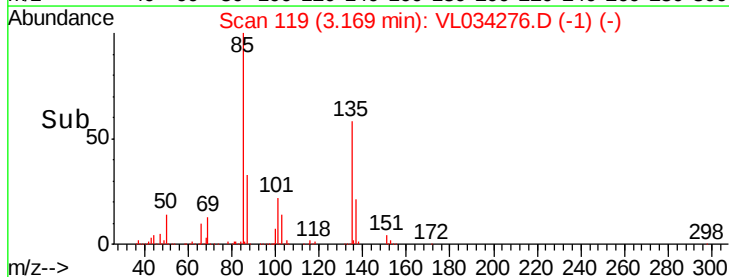
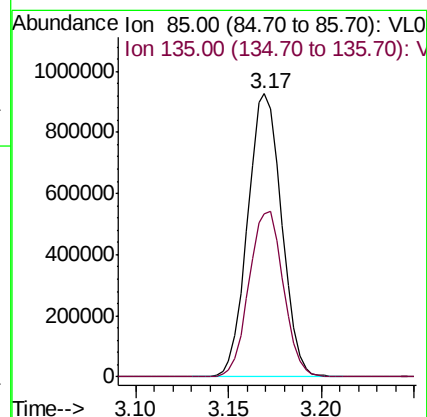
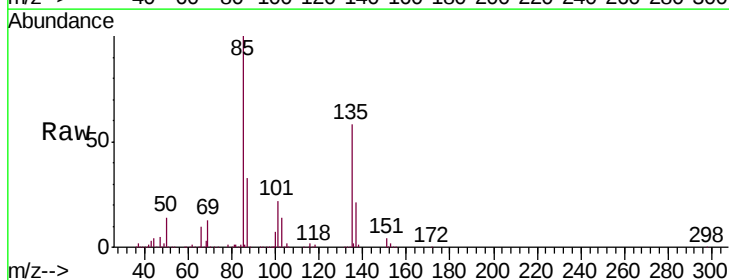
Acq: 9 Oct 2019 13:02

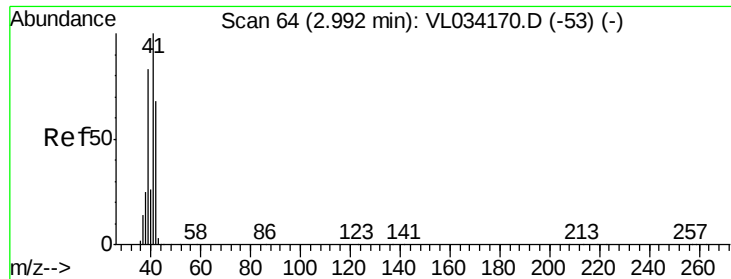
Tgt Ion: 85 Resp: 1181677

Ion Ratio Lower Upper

85 100

135 59.4 47.3 70.9





#9

Propene

Concen: 9.462 ppbv

RT: 2.99 min Scan# 63

Delta R.T. -0.00 min

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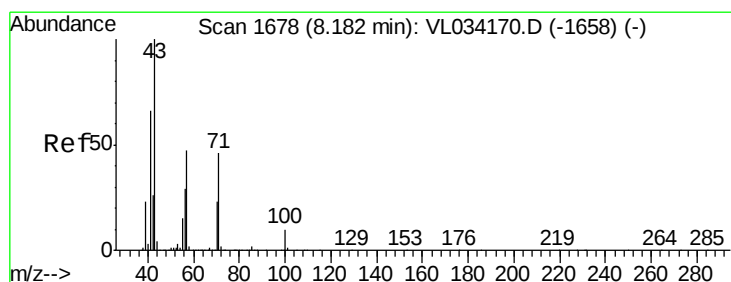
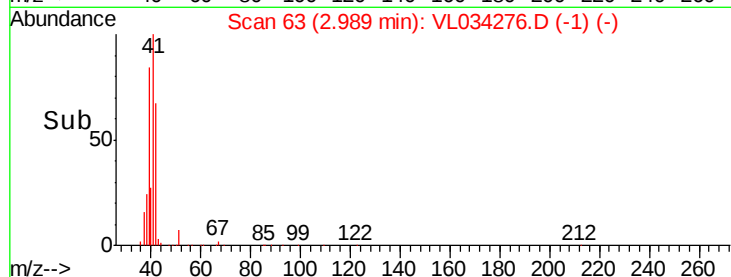
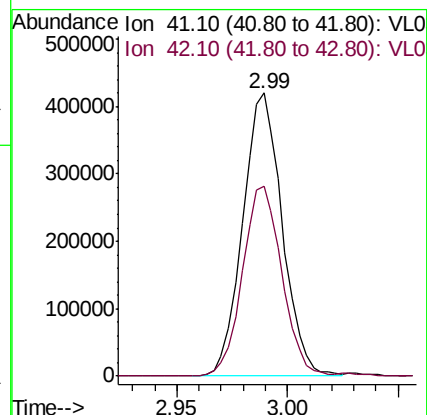
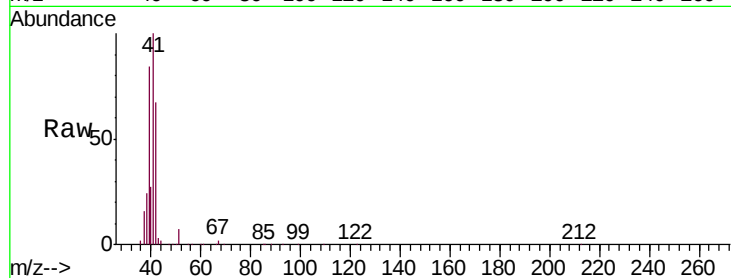
VSTDCCC010EC

Tgt Ion: 41 Resp: 523020

Ion Ratio Lower Upper

41 100

42 67.4 55.8 83.6



#10

Heptane

Concen: 9.250 ppbv

RT: 8.17 min Scan# 1673

Delta R.T. -0.02 min

Lab File: VL034276.D

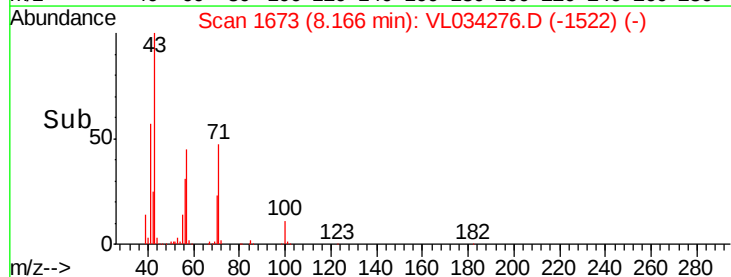
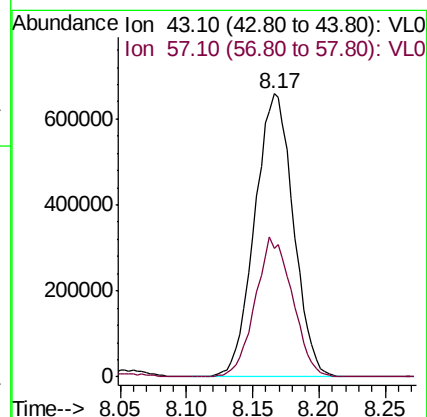
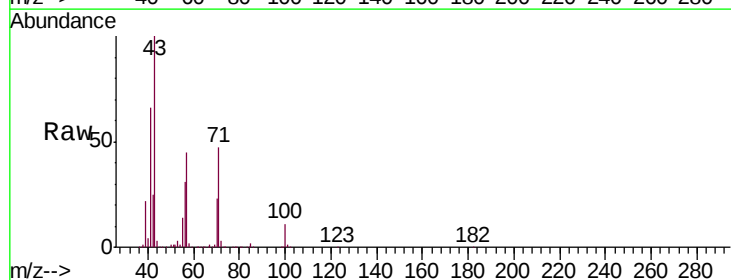
Acq: 9 Oct 2019 13:02

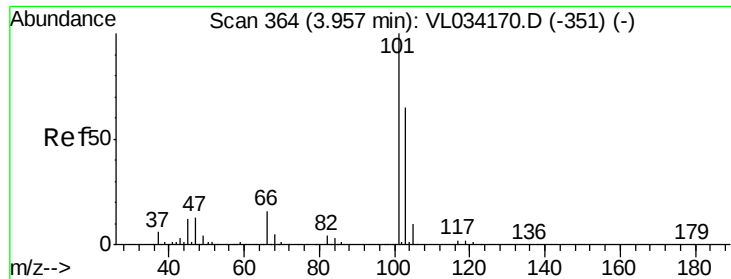
Tgt Ion: 43 Resp: 1332631

Ion Ratio Lower Upper

43 100

57 47.5 37.5 56.3

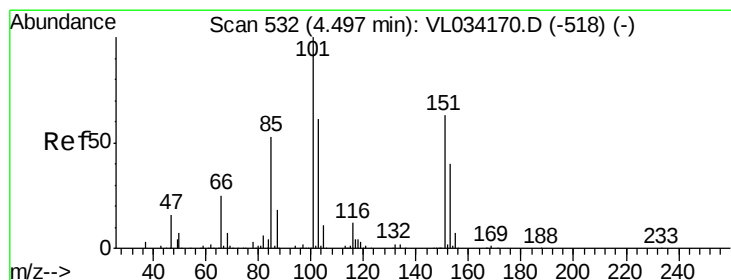
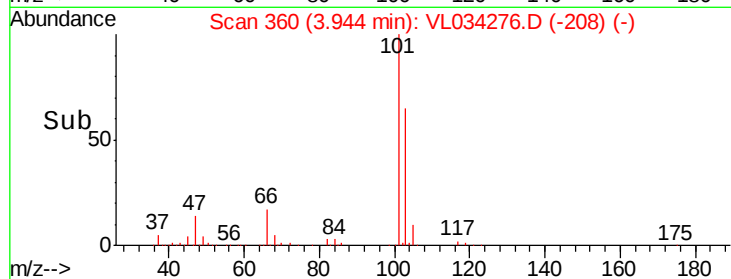
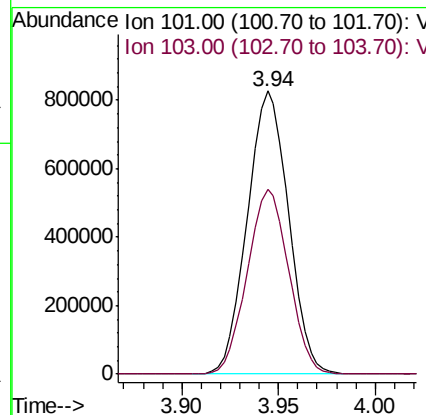
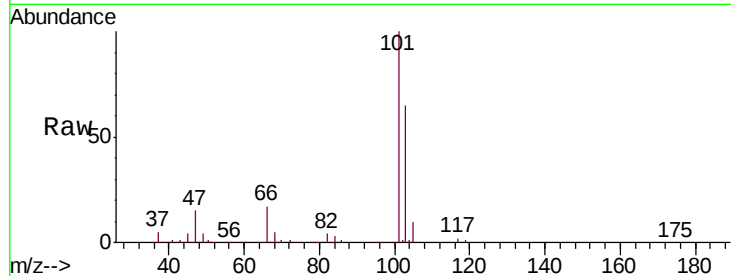




#11
 Trichlorofluoromethane
 Concen: 9.545 ppbv
 RT: 3.94 min Scan# 360
 Delta R.T. -0.01 min
 Lab File: VL034276.D
 Acq: 9 Oct 2019 13:02

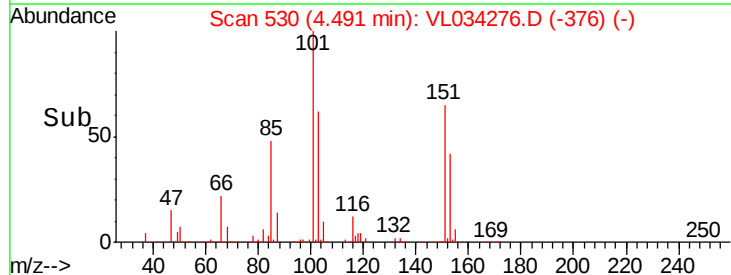
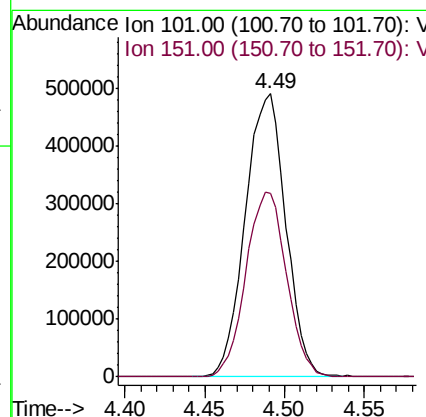
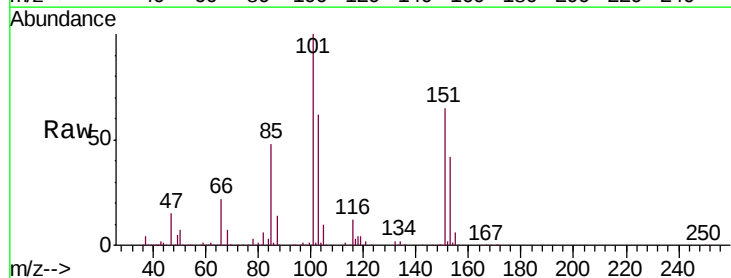
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

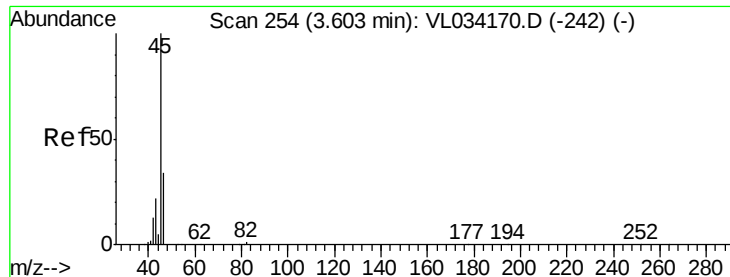
Tgt Ion:101 Resp: 1226318
 Ion Ratio Lower Upper
 101 100
 103 65.2 52.1 78.1



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.084 ppbv
 RT: 4.49 min Scan# 530
 Delta R.T. -0.01 min
 Lab File: VL034276.D
 Acq: 9 Oct 2019 13:02

Tgt Ion:101 Resp: 847835
 Ion Ratio Lower Upper
 101 100
 151 65.6 51.8 77.8





#13

Ethanol

Concen: 8.344 ppbv

RT: 3.59 min Scan# 251

Delta R.T. -0.01 min

Lab File: VL034276.D

Acq: 9 Oct 2019 13:02

Instrument :

MSVOA_L

ClientSampleId :

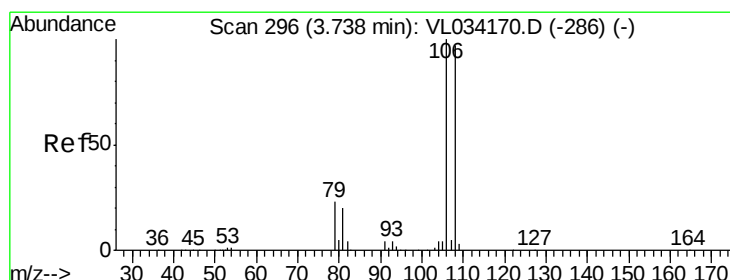
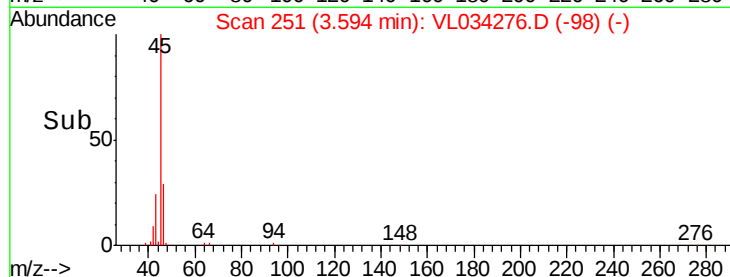
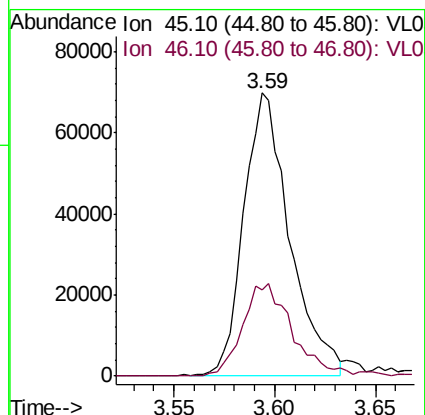
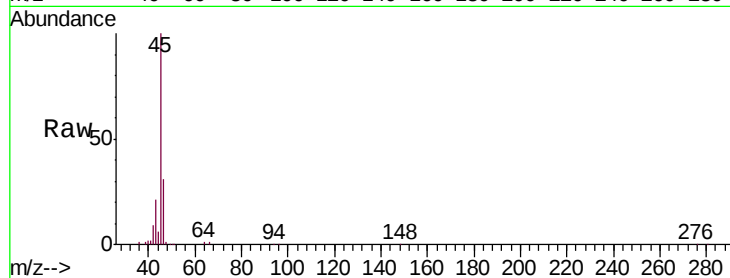
VSTDCCC010EC

Tgt Ion: 45 Resp: 111692

Ion Ratio Lower Upper

45 100

46 35.9 15.5 61.9



#14

Bromoethene

Concen: 10.506 ppbv

RT: 3.73 min Scan# 293

Delta R.T. -0.01 min

Lab File: VL034276.D

Acq: 9 Oct 2019 13:02

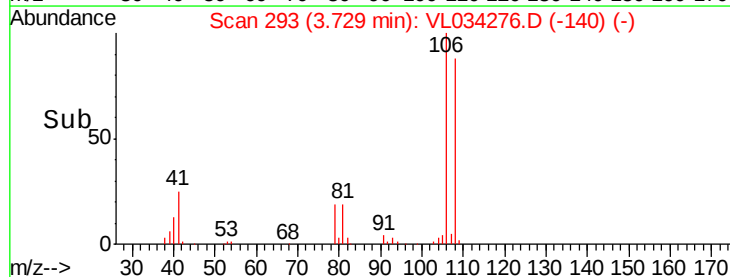
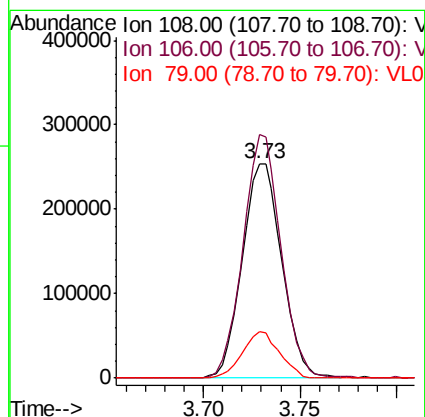
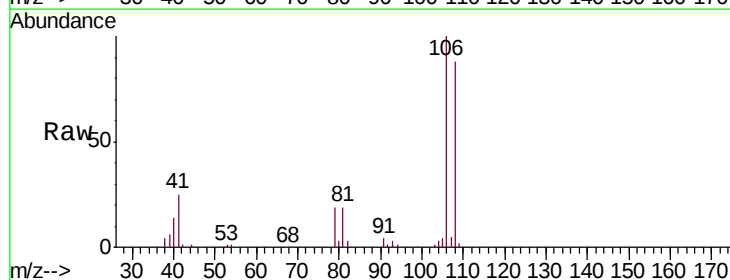
Tgt Ion: 108 Resp: 361165

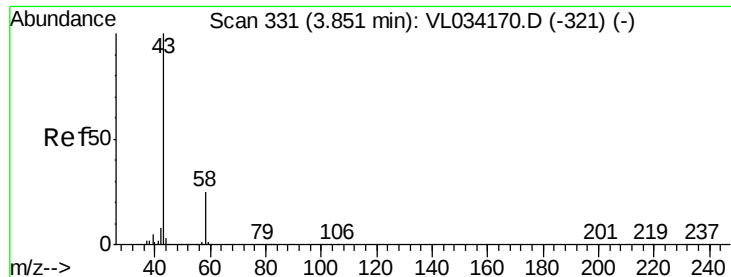
Ion Ratio Lower Upper

108 100

106 109.5 86.2 129.4

79 20.6 18.6 27.8





#15

Acetone

Concen: 10.298 ppbv

RT: 3.84 min Scan# 328

Delta R.T. -0.01 min

Lab File: VL034276.D

Acq: 9 Oct 2019 13:02

Instrument :

MSVOA_L

ClientSampleId :

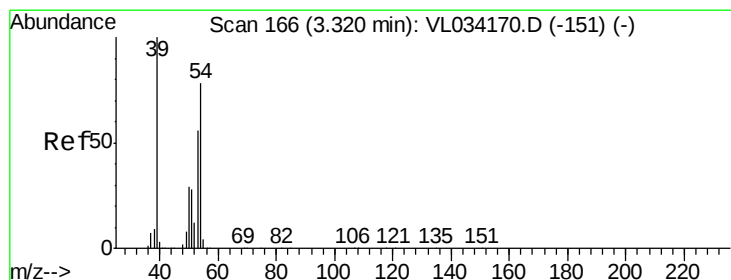
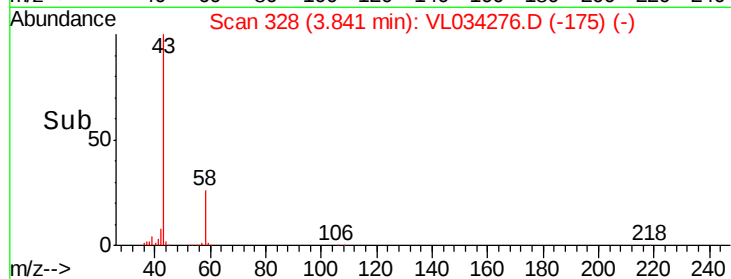
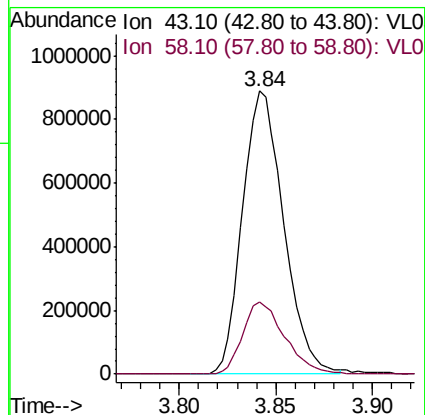
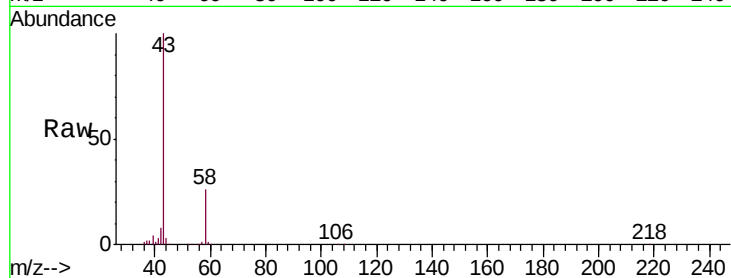
VSTDCCC010EC

Tgt Ion: 43 Resp: 1318894

Ion Ratio Lower Upper

43 100

58 26.3 20.5 30.7



#16

1,3-Butadiene

Concen: 9.588 ppbv

RT: 3.31 min Scan# 163

Delta R.T. -0.01 min

Lab File: VL034276.D

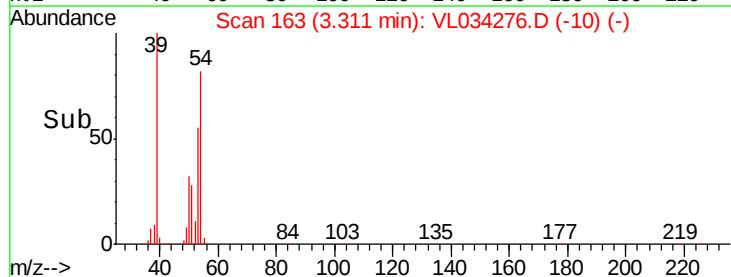
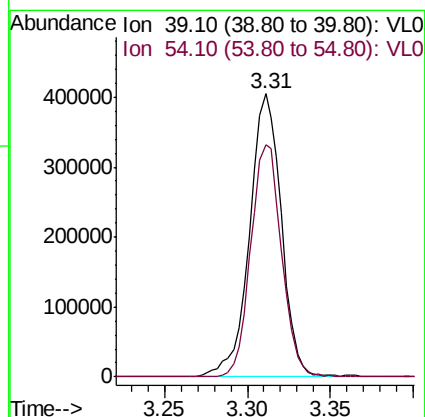
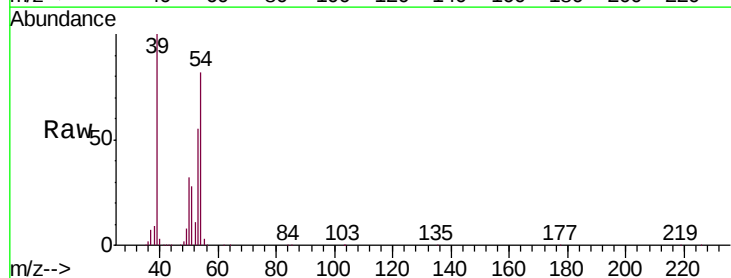
Acq: 9 Oct 2019 13:02

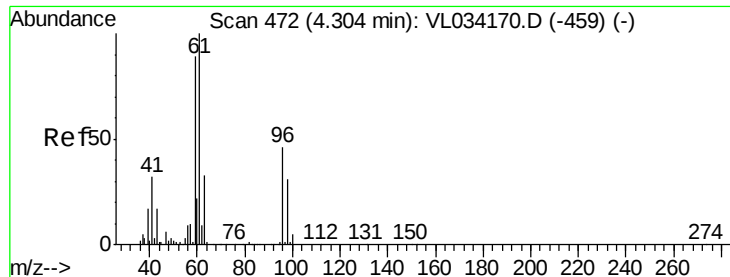
Tgt Ion: 39 Resp: 535875

Ion Ratio Lower Upper

39 100

54 80.2 63.4 95.0





#17

tert-Butyl alcohol

Concen: 10.342 ppbv

RT: 4.29 min Scan# 469

Delta R.T. -0.01 min

Lab File: VL034276.D

Acq: 9 Oct 2019 13:02

Instrument :

MSVOA_L

ClientSampleId :

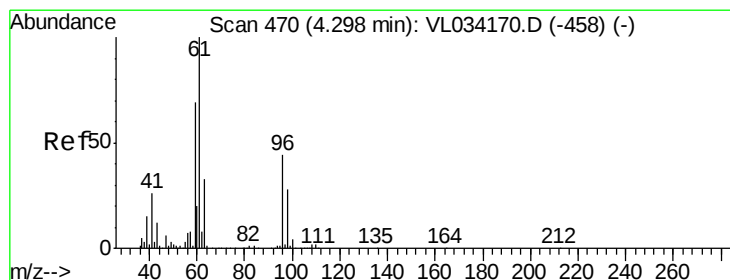
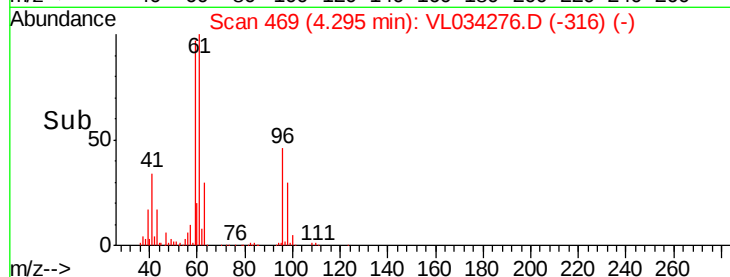
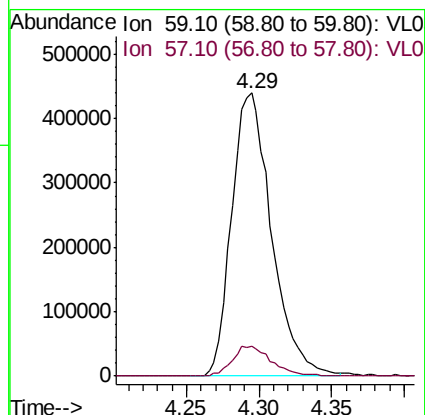
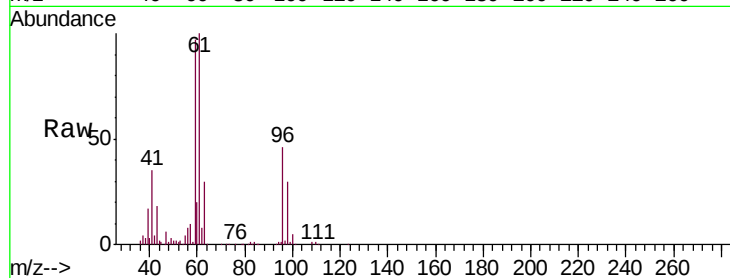
VSTDCCC010EC

Tgt Ion: 59 Resp: 839182

Ion Ratio Lower Upper

59 100

57 10.6 8.7 13.1



#18

1,1-Dichloroethene

Concen: 10.727 ppbv

RT: 4.29 min Scan# 467

Delta R.T. -0.01 min

Lab File: VL034276.D

Acq: 9 Oct 2019 13:02

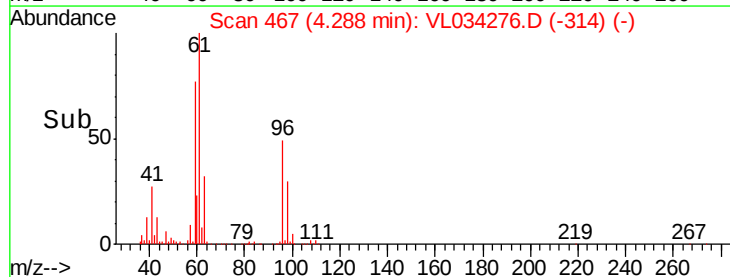
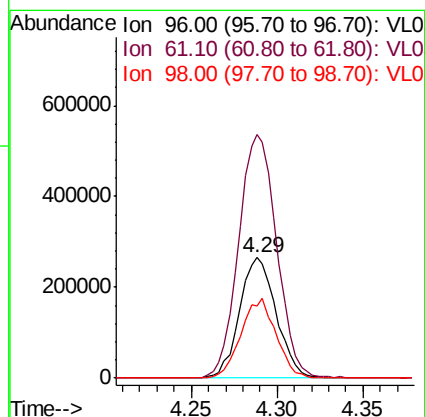
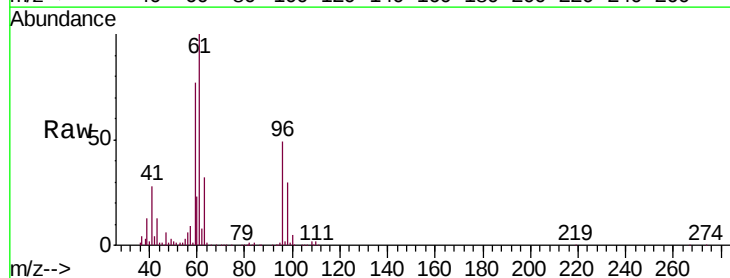
Tgt Ion: 96 Resp: 393377

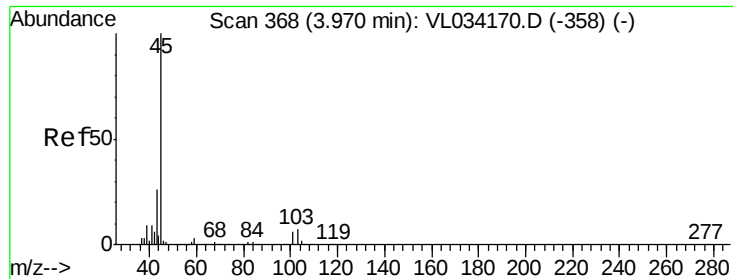
Ion Ratio Lower Upper

96 100

61 202.5 183.3 274.9

98 59.8 51.4 77.2

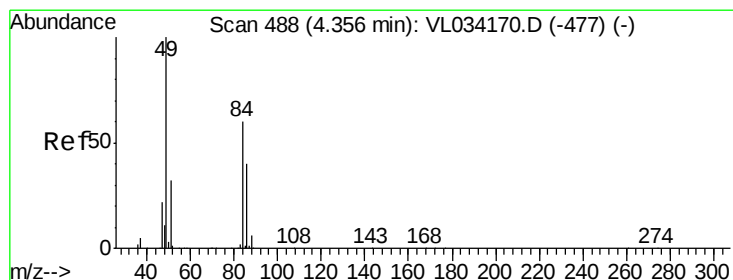
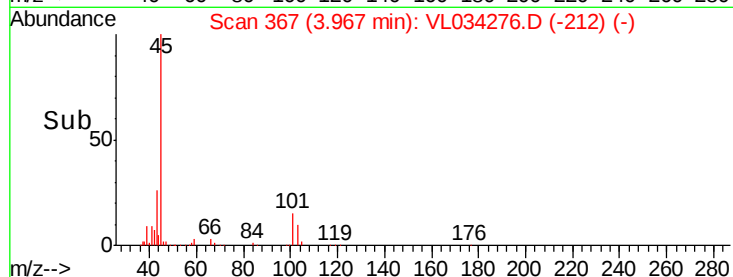
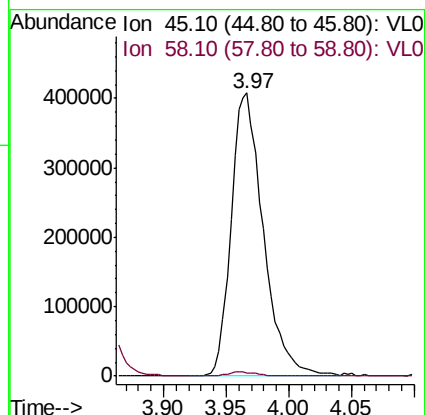
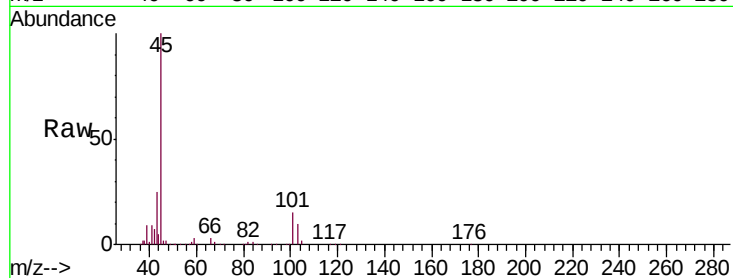




#19
Isopropyl Alcohol
Concen: 9.222 ppbv
RT: 3.97 min Scan# 367
Delta R.T. -0.00 min
Lab File: VL034276.D
Acq: 9 Oct 2019 13:02

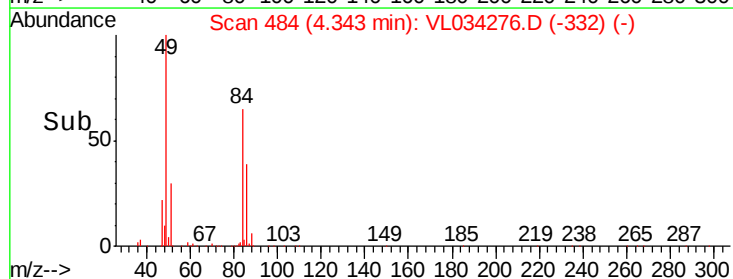
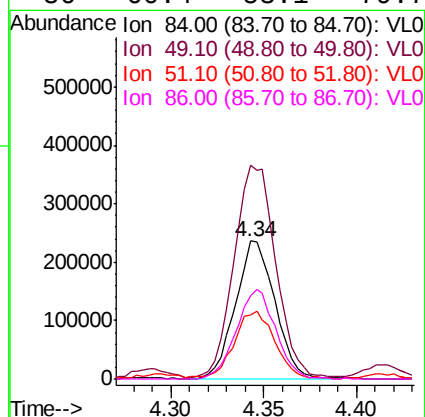
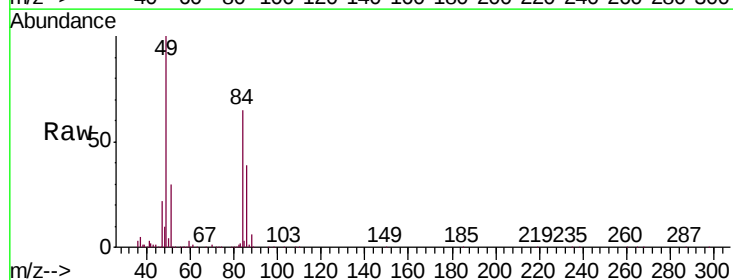
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

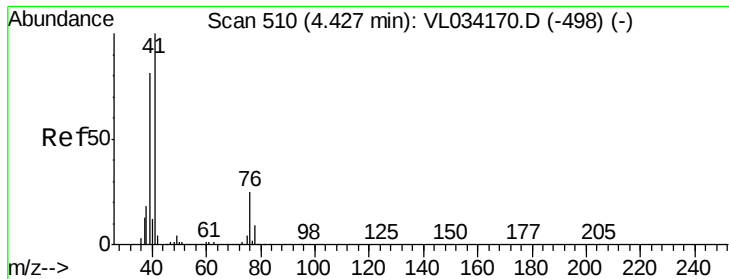
Tgt Ion: 45 Resp: 726265
Ion Ratio Lower Upper
45 100
58 1.7 1.4 2.0



#20
Methylene Chloride
Concen: 9.412 ppbv
RT: 4.34 min Scan# 484
Delta R.T. -0.01 min
Lab File: VL034276.D
Acq: 9 Oct 2019 13:02

Tgt Ion: 84 Resp: 347549
Ion Ratio Lower Upper
84 100
49 154.1 133.8 200.8
51 46.2 43.6 65.4
86 60.4 53.1 79.7

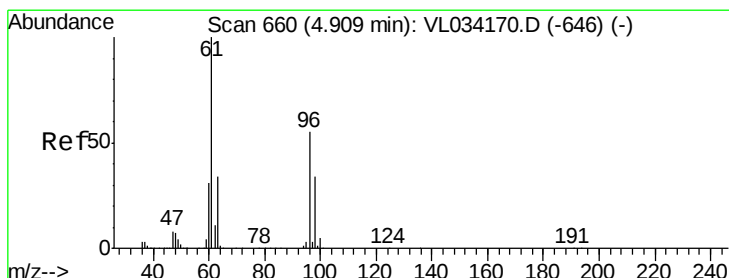
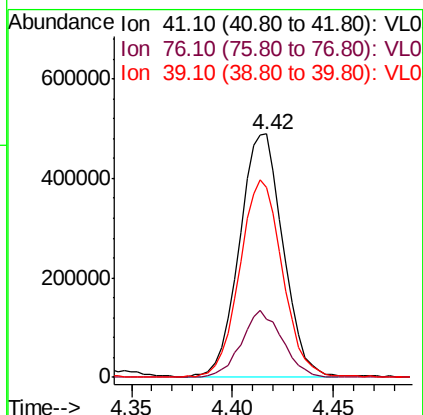
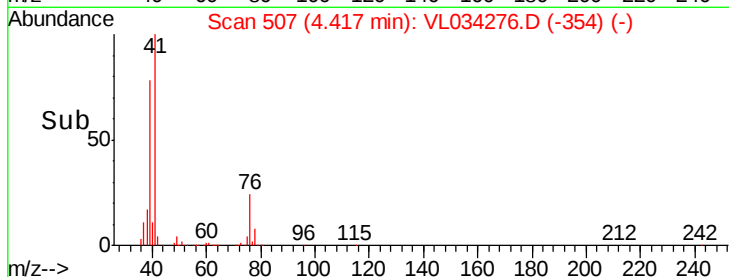
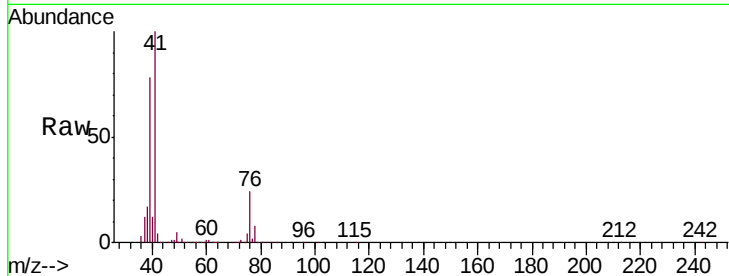




#21
 Allyl Chloride
 Concen: 10.202 ppbv
 RT: 4.42 min Scan# 507
 Delta R.T. -0.01 min
 Lab File: VL034276.D
 Acq: 9 Oct 2019 13:02

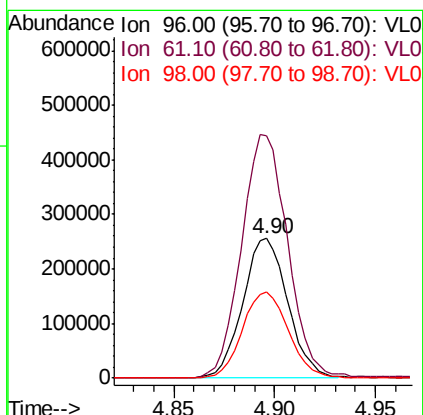
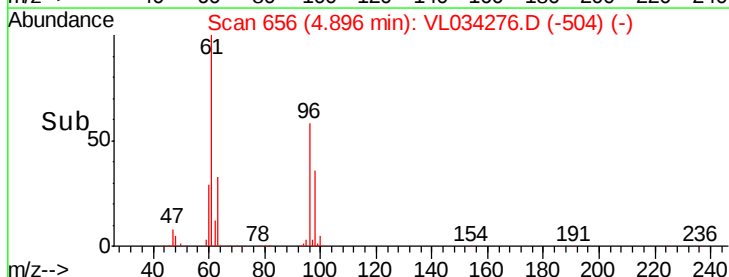
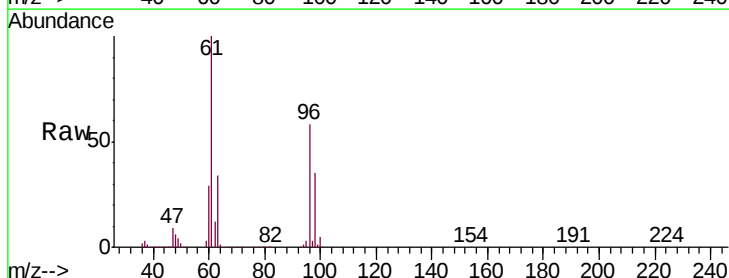
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

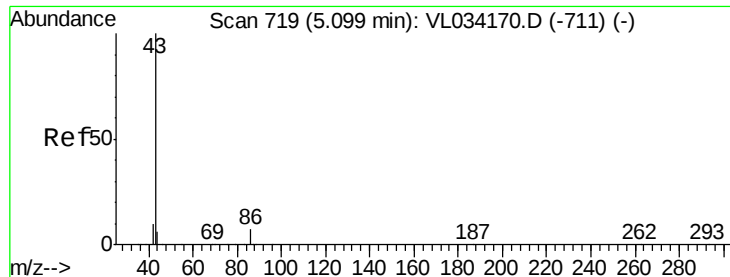
Tgt Ion: 41 Resp: 737987
 Ion Ratio Lower Upper
 41 100
 76 26.1 21.8 32.6
 39 80.2 64.8 97.2



#22
 trans-1,2-Dichloroethene
 Concen: 10.908 ppbv
 RT: 4.90 min Scan# 656
 Delta R.T. -0.01 min
 Lab File: VL034276.D
 Acq: 9 Oct 2019 13:02

Tgt Ion: 96 Resp: 400219
 Ion Ratio Lower Upper
 96 100
 61 173.5 145.5 218.3
 98 61.4 49.9 74.9





#23

Vinyl Acetate

Concen: 10.341 ppbv

RT: 5.09 min Scan# 715

Delta R.T. -0.01 min

Lab File: VL034276.D

Acq: 9 Oct 2019 13:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 1951512

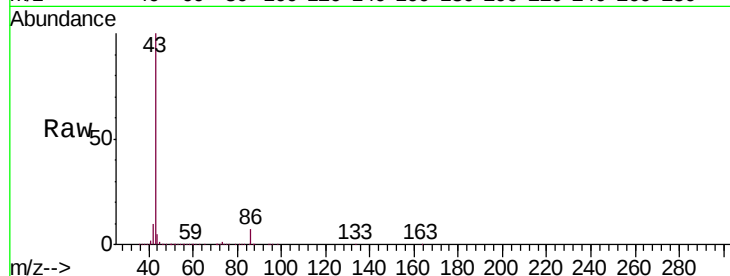
Ion Ratio Lower Upper

43 100

86 6.8 5.1 7.7

42 9.7 8.6 12.8

44 5.0 4.7 7.1

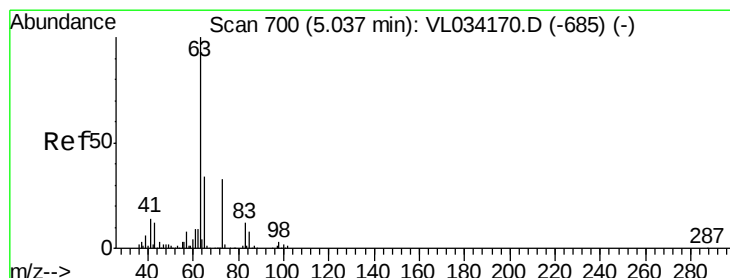
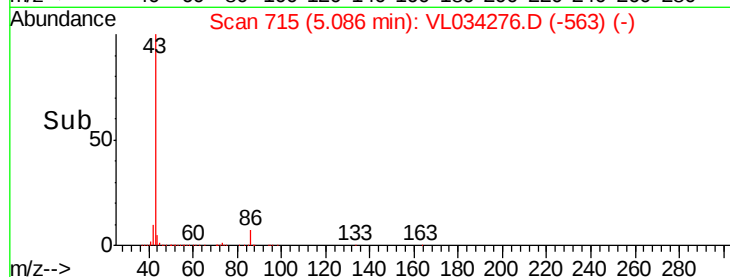
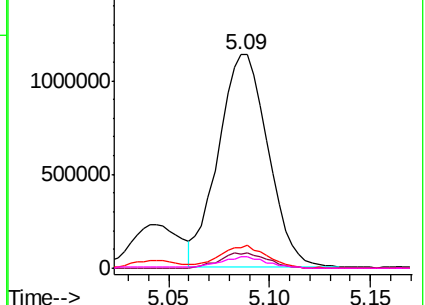


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.018 ppbv

RT: 5.02 min Scan# 695

Delta R.T. -0.02 min

Lab File: VL034276.D

Acq: 9 Oct 2019 13:02

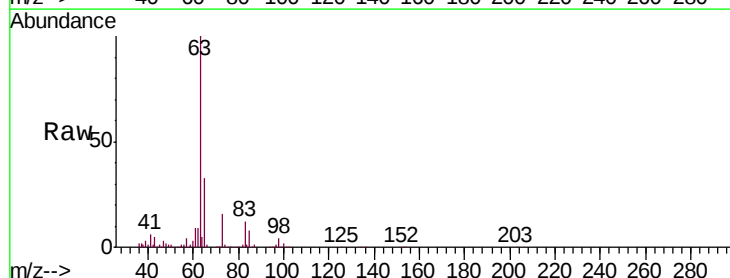
Tgt Ion: 63 Resp: 1145956

Ion Ratio Lower Upper

63 100

98 4.0 1.8 5.3

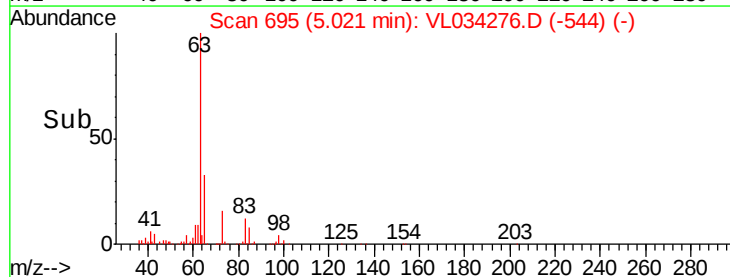
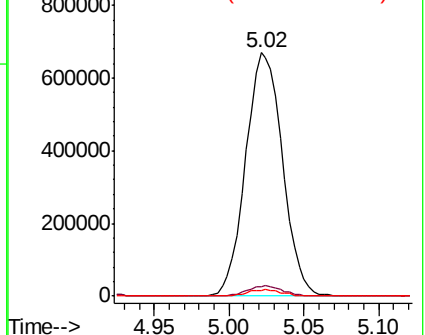
100 2.1 1.0 3.0

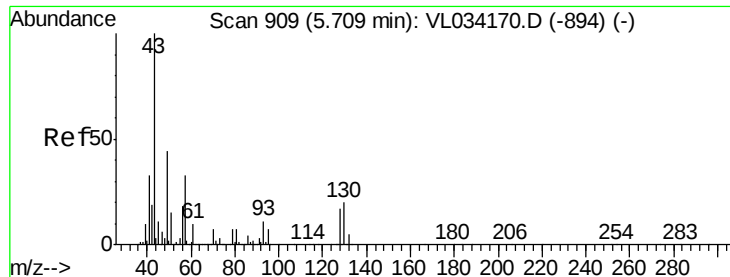


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 8.853 ppbv

RT: 5.70 min Scan# 906

Delta R.T. -0.01 min

Lab File: VL034276.D

Acq: 9 Oct 2019 13:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 2143998

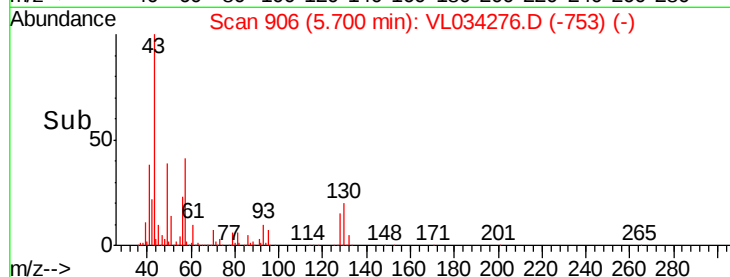
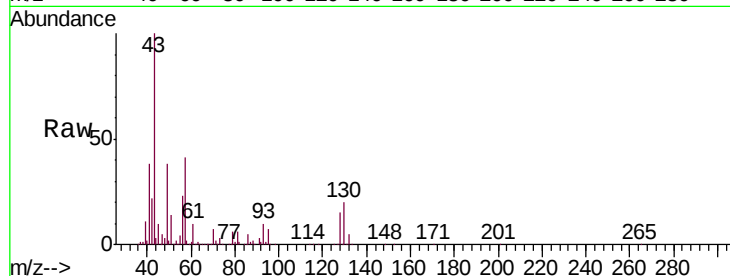
Ion	Ratio	Lower	Upper
43	100		
45	9.9	8.4	12.6
61	9.0	7.2	10.8
70	6.8	5.3	7.9

43 100

45 9.9 8.4 12.6

61 9.0 7.2 10.8

70 6.8 5.3 7.9

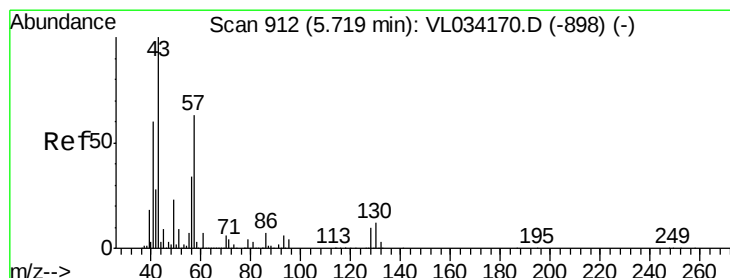
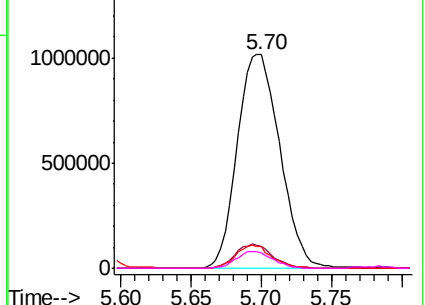


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.151 ppbv

RT: 5.71 min Scan# 908

Delta R.T. -0.01 min

Lab File: VL034276.D

Acq: 9 Oct 2019 13:02

Tgt Ion: 57 Resp: 921870

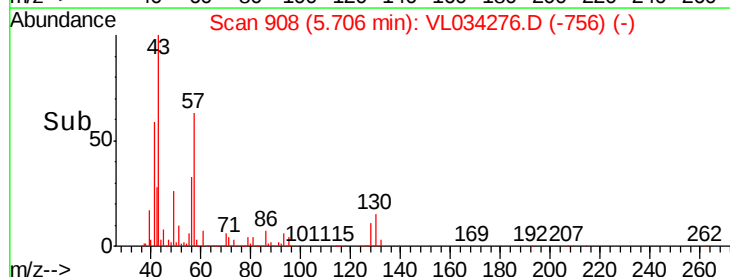
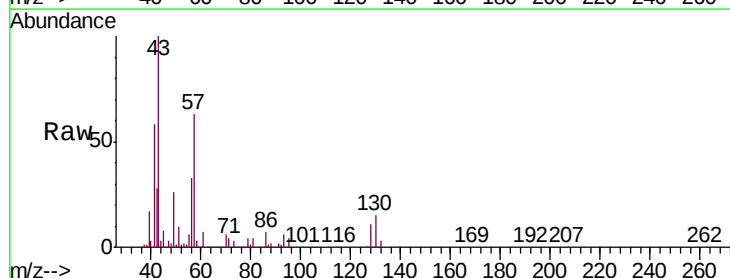
Ion	Ratio	Lower	Upper
57	100		
41	92.6	78.5	117.7
43	234.0	189.5	284.3
56	53.3	43.2	64.8

57 100

41 92.6 78.5 117.7

43 234.0 189.5 284.3

56 53.3 43.2 64.8

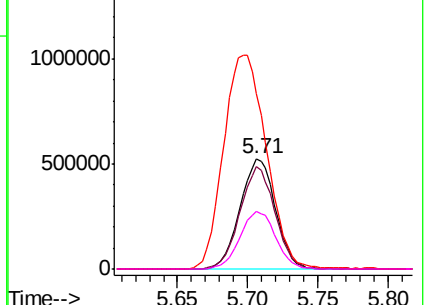


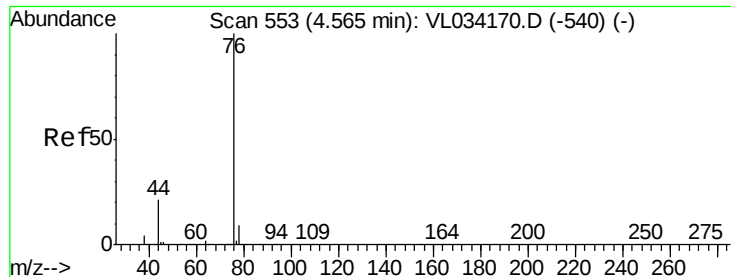
Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 10.604 ppbv

RT: 4.56 min Scan# 550

Delta R.T. -0.01 min

Lab File: VL034276.D

Acq: 9 Oct 2019 13:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

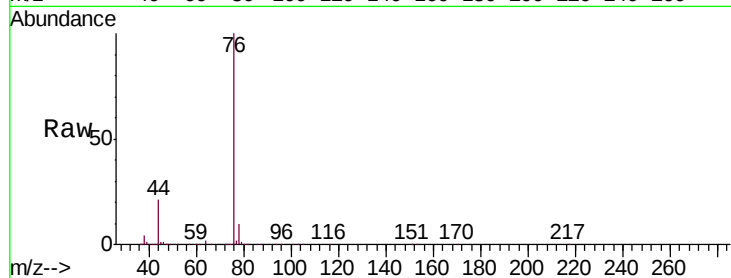
Tgt Ion: 76 Resp: 985258

Ion Ratio Lower Upper

76 100

44 21.2 17.6 26.4

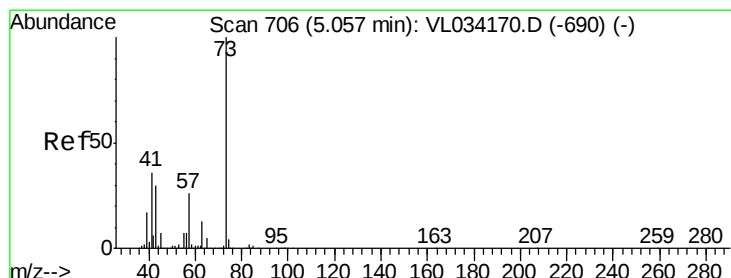
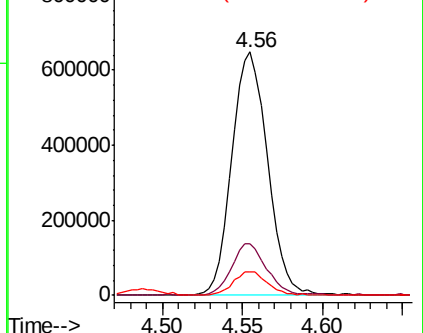
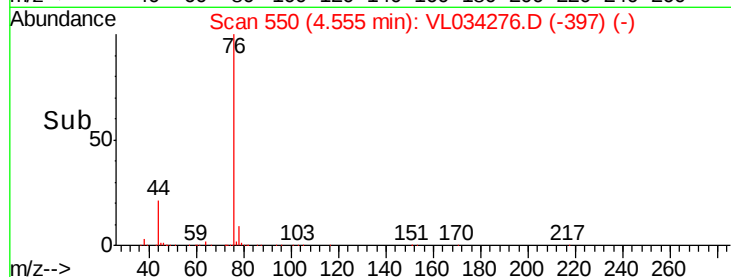
78 9.4 7.6 11.4



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: 10.087 ppbv

RT: 5.04 min Scan# 702

Delta R.T. -0.01 min

Lab File: VL034276.D

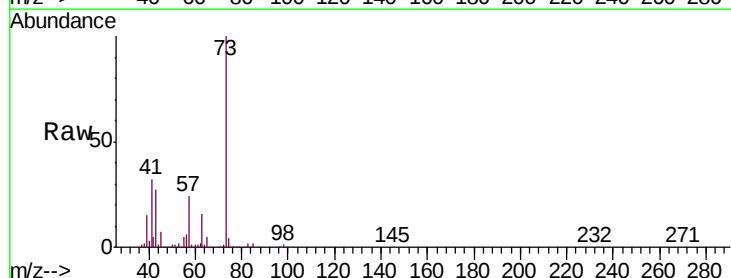
Acq: 9 Oct 2019 13:02

Tgt Ion: 73 Resp: 1509193

Ion Ratio Lower Upper

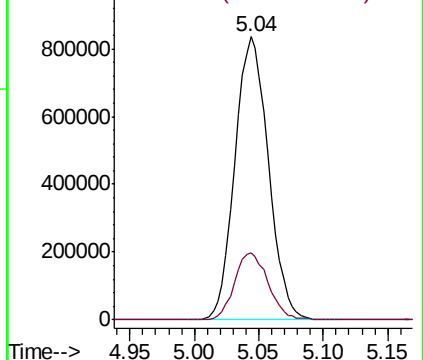
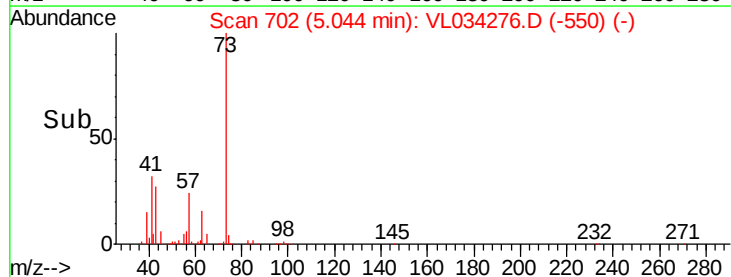
73 100

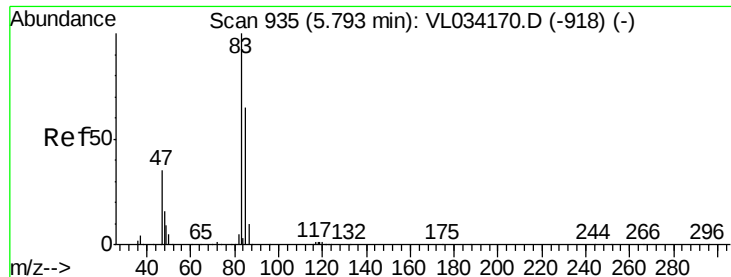
57 23.9 20.2 30.2



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 9.497 ppbv

RT: 5.78 min Scan# 930

Delta R.T. -0.02 min

Lab File: VL034276.D

Acq: 9 Oct 2019 13:02

Instrument :

MSVOA_L

ClientSampleId :

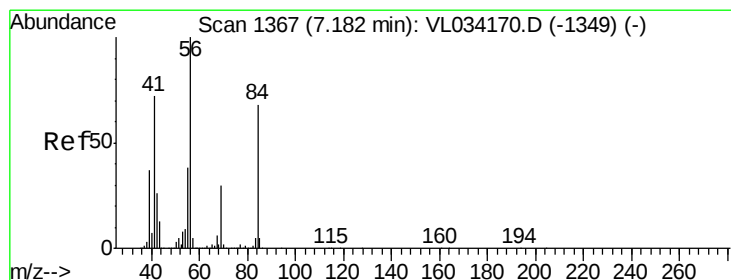
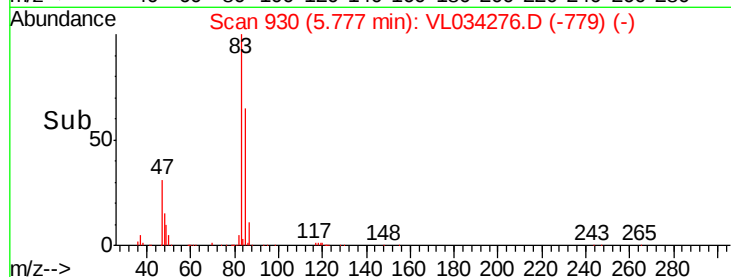
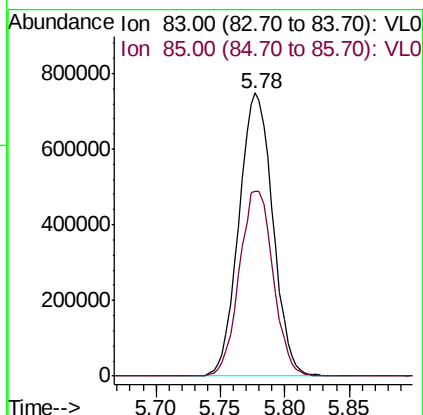
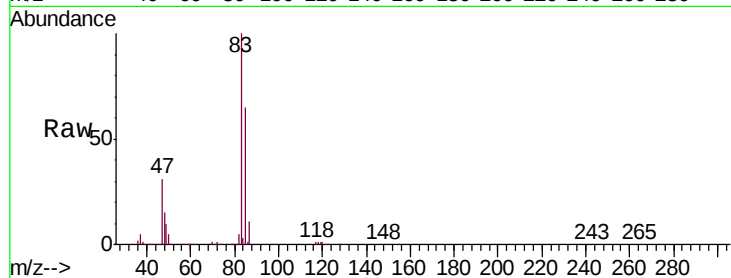
VSTDCCC010EC

Tgt Ion: 83 Resp: 1367142

Ion Ratio Lower Upper

83 100

85 65.0 52.3 78.5



#30

Cyclohexane

Concen: 10.105 ppbv

RT: 7.17 min Scan# 1363

Delta R.T. -0.01 min

Lab File: VL034276.D

Acq: 9 Oct 2019 13:02

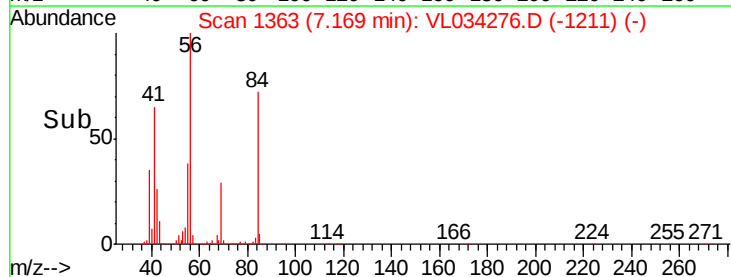
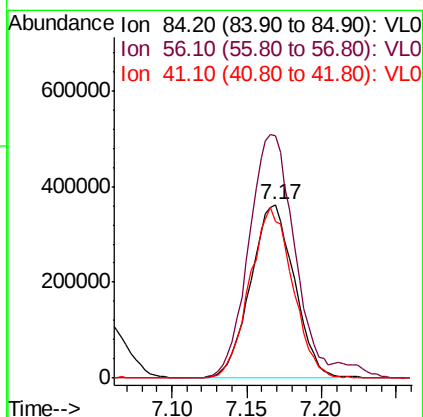
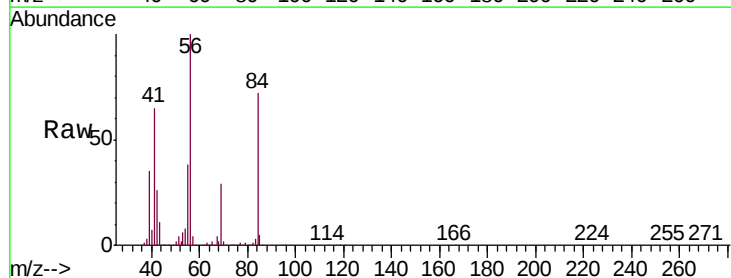
Tgt Ion: 84 Resp: 734932

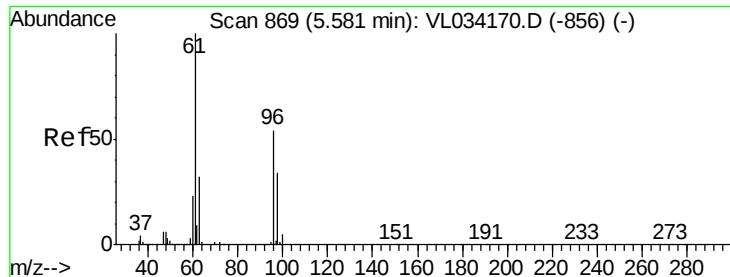
Ion Ratio Lower Upper

84 100

56 151.9 126.2 189.2

41 96.9 85.8 128.8



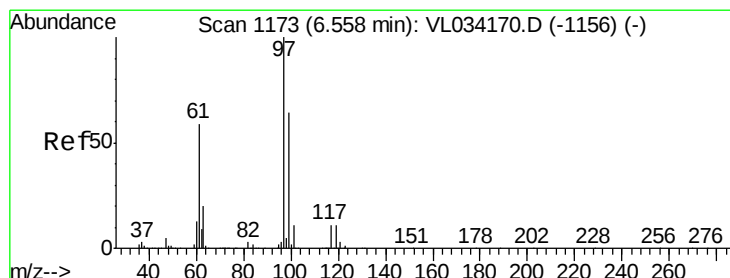
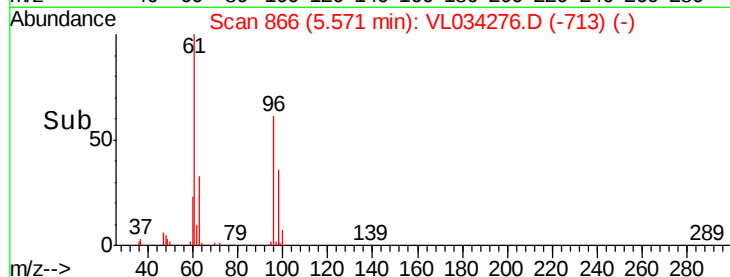
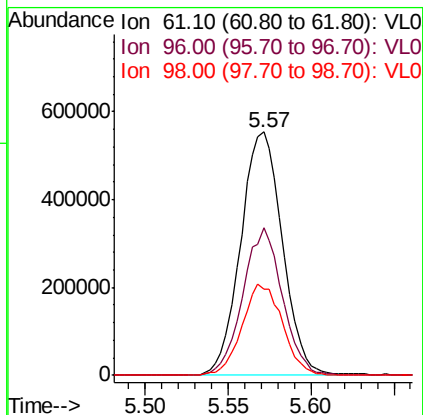
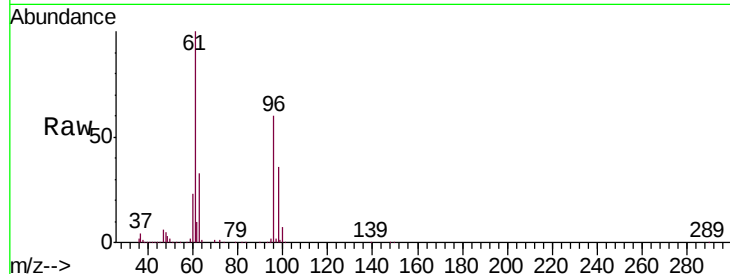


#31

cis-1,2-Dichloroethene
 Concen: 9.443 ppbv
 RT: 5.57 min Scan# 866
 Delta R.T. -0.01 min
 Lab File: VL034276.D
 Acq: 9 Oct 2019 13:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

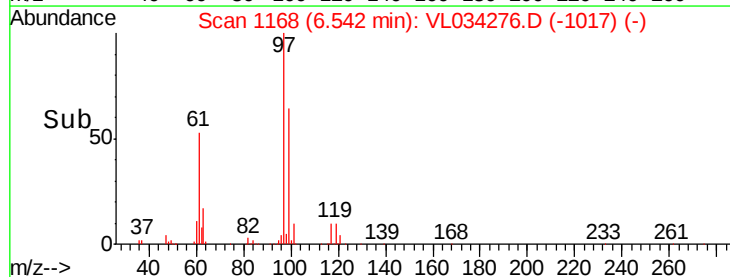
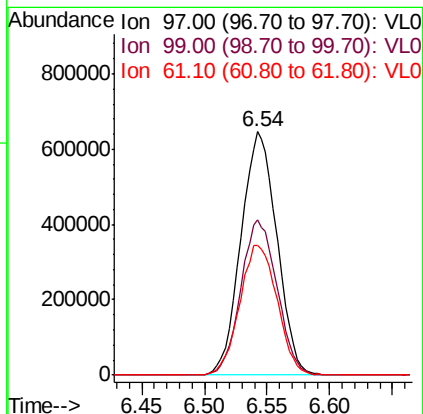
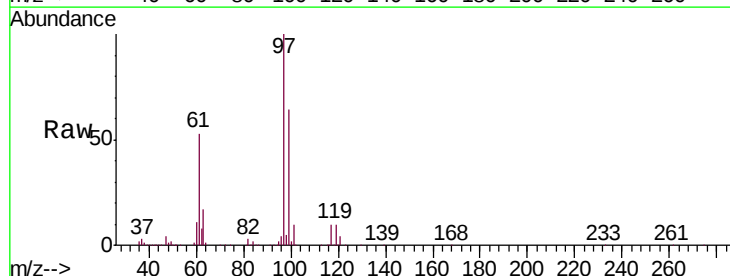
Tgt Ion	Ratio	Lower	Upper
61	100		
96	60.4	43.0	64.4
98	35.6	27.2	40.8

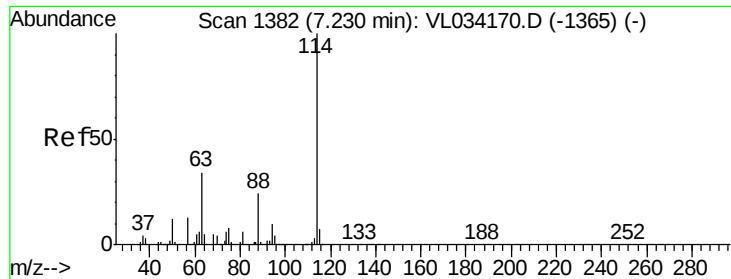


#32

1,1,1-Trichloroethane
 Concen: 9.292 ppbv
 RT: 6.54 min Scan# 1168
 Delta R.T. -0.02 min
 Lab File: VL034276.D
 Acq: 9 Oct 2019 13:02

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.4	77.2
61	55.8	48.4	72.6

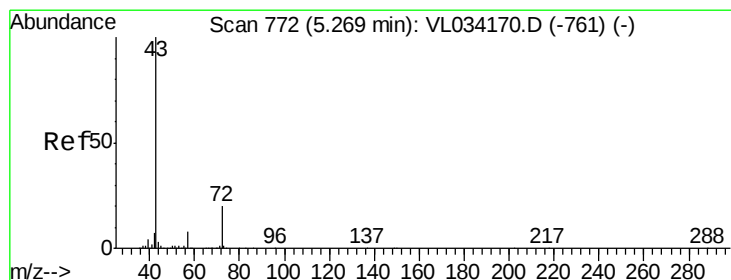
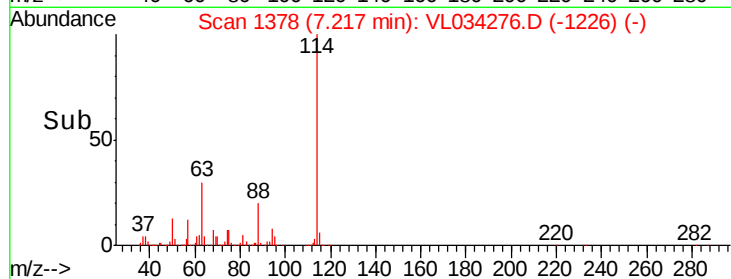
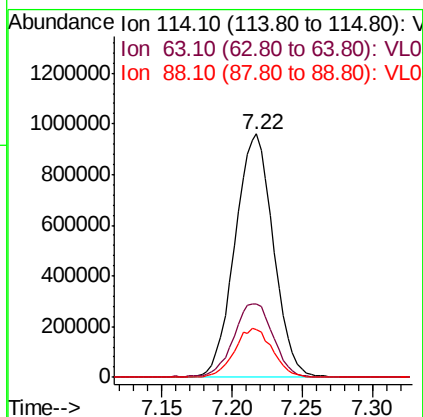
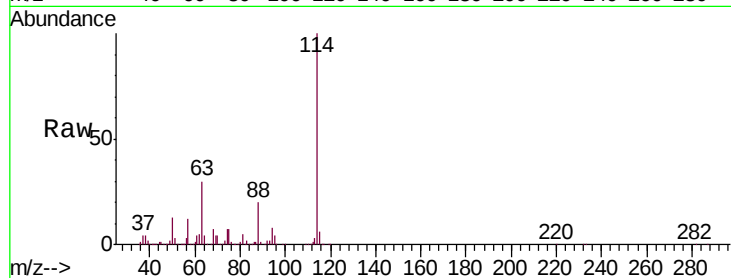




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.22 min Scan# 1378
 Delta R.T. -0.01 min
 Lab File: VL034276.D
 Acq: 9 Oct 2019 13:02

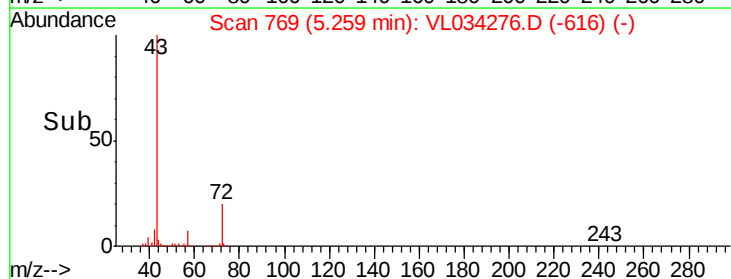
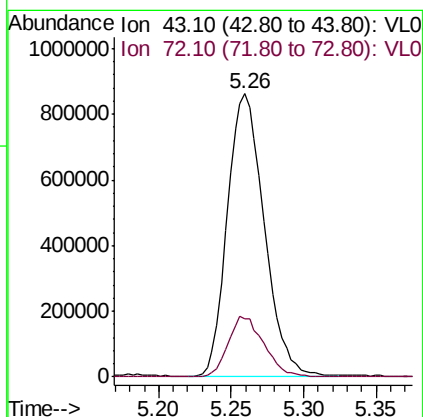
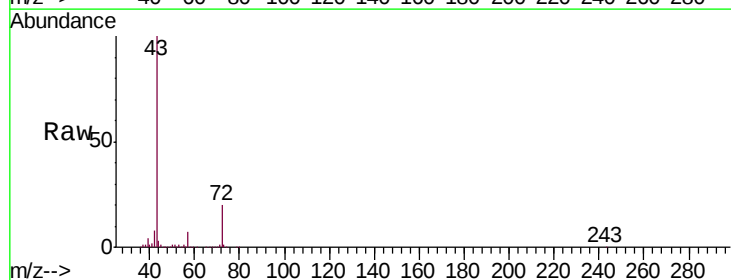
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

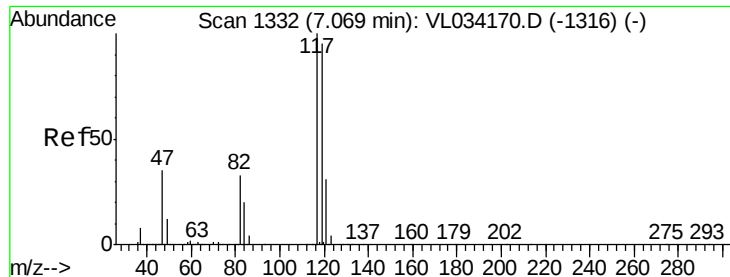
Tgt Ion:114 Resp: 1830757
 Ion Ratio Lower Upper
 114 100
 63 31.6 27.8 41.6
 88 20.1 17.1 25.7



#34
 2-Butanone
 Concen: 8.115 ppbv
 RT: 5.26 min Scan# 769
 Delta R.T. -0.01 min
 Lab File: VL034276.D
 Acq: 9 Oct 2019 13:02

Tgt Ion: 43 Resp: 1517001
 Ion Ratio Lower Upper
 43 100
 72 20.8 15.0 22.6





#35

Carbon Tetrachloride

Concen: 8.178 ppbv

RT: 7.05 min Scan# 1327

Delta R.T. -0.02 min

Lab File: VL034276.D

Acq: 9 Oct 2019 13:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

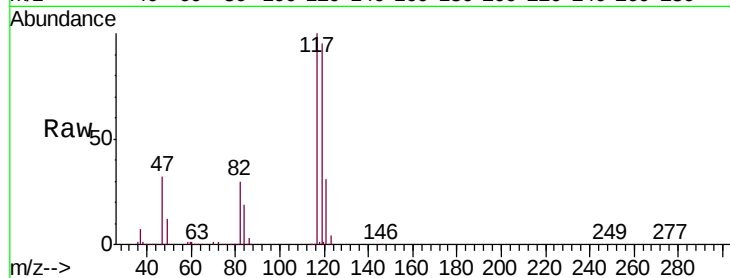
Tgt Ion:117 Resp: 1243887

Ion Ratio Lower Upper

117 100

119 95.0 75.8 113.6

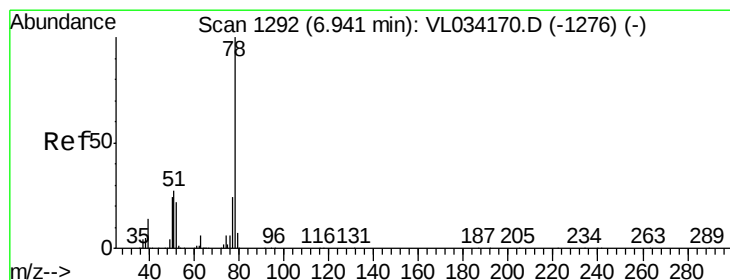
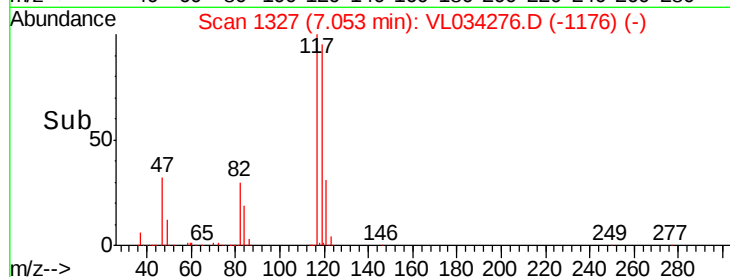
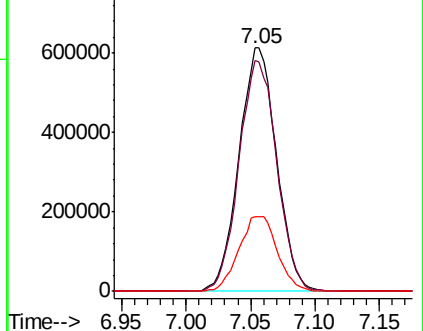
121 30.9 25.0 37.6



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: 8.946 ppbv

RT: 6.92 min Scan# 1287

Delta R.T. -0.02 min

Lab File: VL034276.D

Acq: 9 Oct 2019 13:02

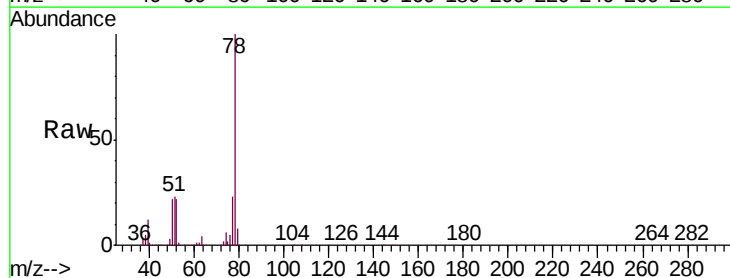
Tgt Ion: 78 Resp: 1808768

Ion Ratio Lower Upper

78 100

77 23.1 19.0 28.4

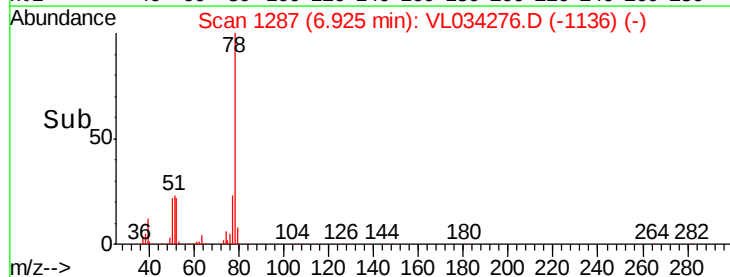
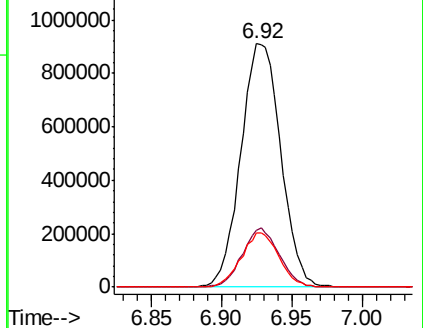
50 22.2 18.9 28.3

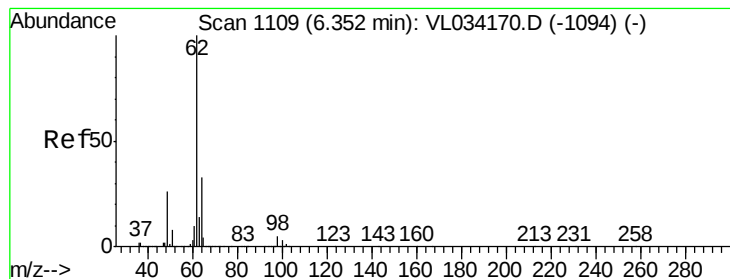


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 7.823 ppbv

RT: 6.34 min Scan# 1104

Delta R.T. -0.02 min

Lab File: VL034276.D

Acq: 9 Oct 2019 13:02

Instrument :

MSVOA_L

ClientSampleId :

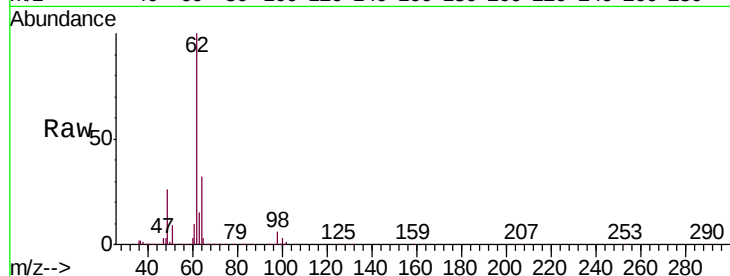
VSTDCCC010EC

Tgt Ion: 62 Resp: 1125038

Ion Ratio Lower Upper

62 100

98 5.3 3.8 5.8



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

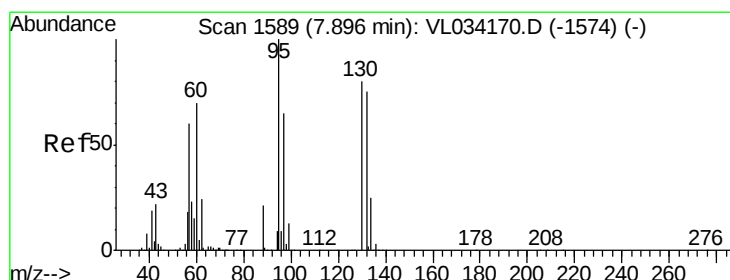
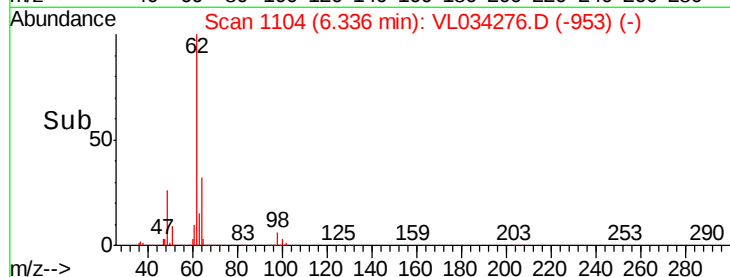
600000

400000

200000

0

Time-->



#38

Trichloroethene

Concen: 8.077 ppbv

RT: 7.88 min Scan# 1583

Delta R.T. -0.02 min

Lab File: VL034276.D

Acq: 9 Oct 2019 13:02

Tgt Ion: 130 Resp: 583554

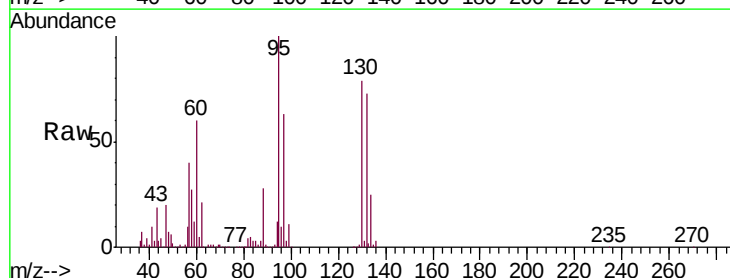
Ion Ratio Lower Upper

130 100

95 127.2 99.8 149.6

132 93.5 75.2 112.8

97 80.0 65.0 97.4



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

600000

500000

400000

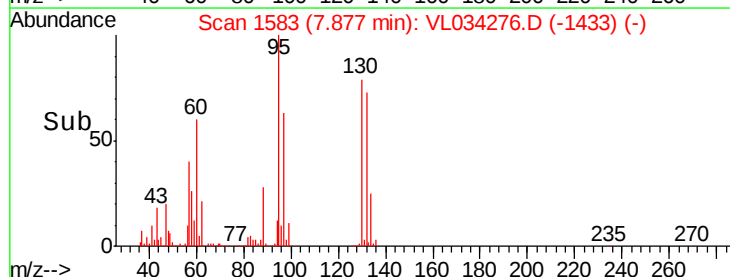
300000

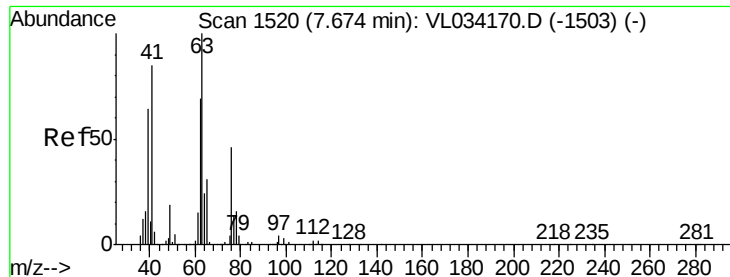
200000

100000

0

Time-->





#39

1,2-Dichloropropane

Concen: 8.407 ppbv

RT: 7.65 min Scan# 1514

Delta R.T. -0.02 min

Lab File: VL034276.D

Acq: 9 Oct 2019 13:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

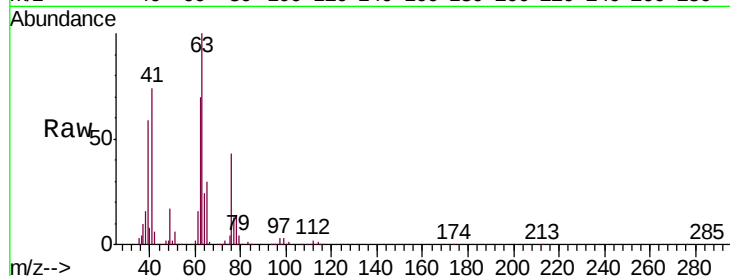
Tgt Ion: 63 Resp: 763794

Ion Ratio Lower Upper

63 100

41 73.7 68.4 102.6

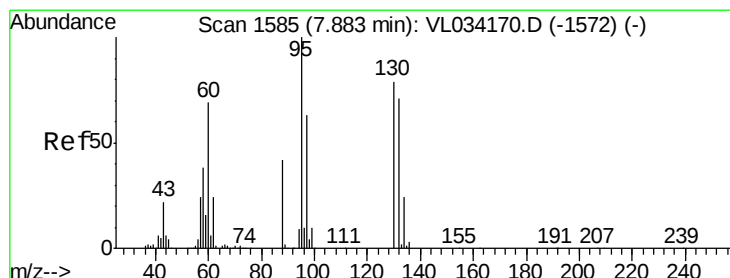
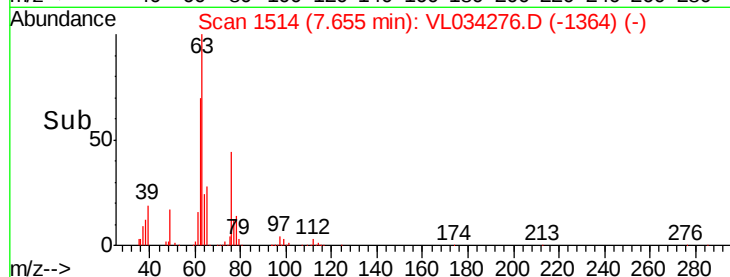
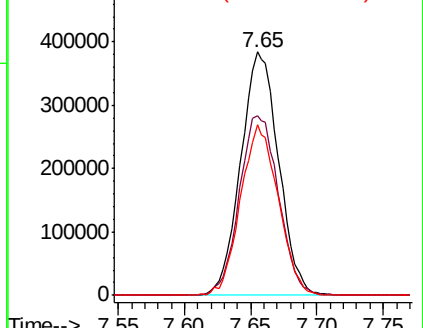
62 70.2 55.4 83.2



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 8.807 ppbv

RT: 7.87 min Scan# 1581

Delta R.T. -0.01 min

Lab File: VL034276.D

Acq: 9 Oct 2019 13:02

Tgt Ion: 88 Resp: 258923

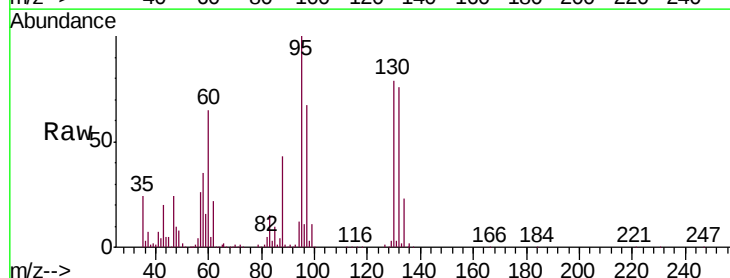
Ion Ratio Lower Upper

88 100

58 141.9 131.8 197.6

43 0.0 0.0 0.0

57 0.0 0.0 0.0

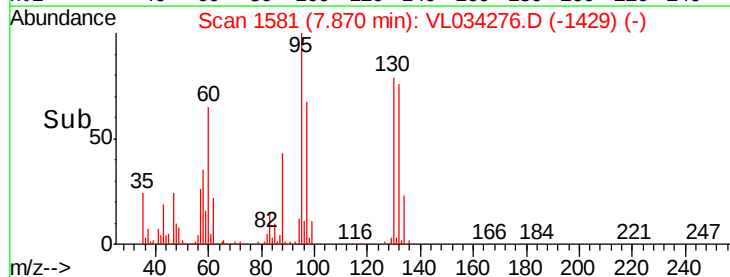
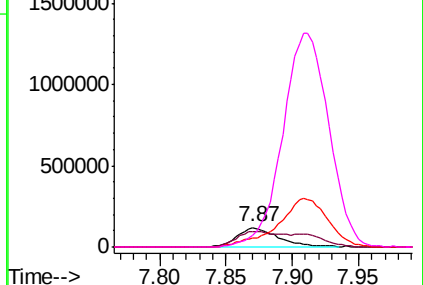


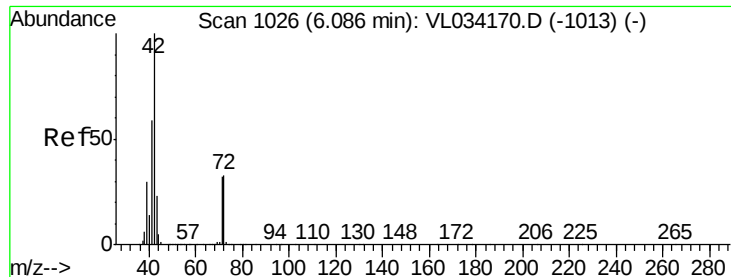
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 8.502 ppbv

RT: 6.07 min Scan# 1021

Delta R.T. -0.02 min

Lab File: VL034276.D

Acq: 9 Oct 2019 13:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

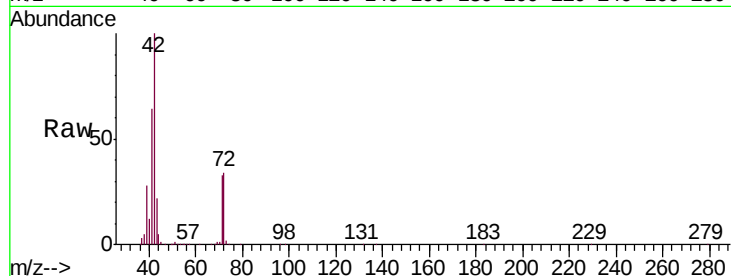
Tgt Ion: 42 Resp: 895069

Ion Ratio Lower Upper

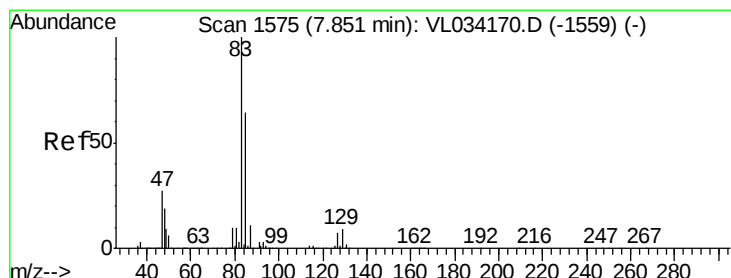
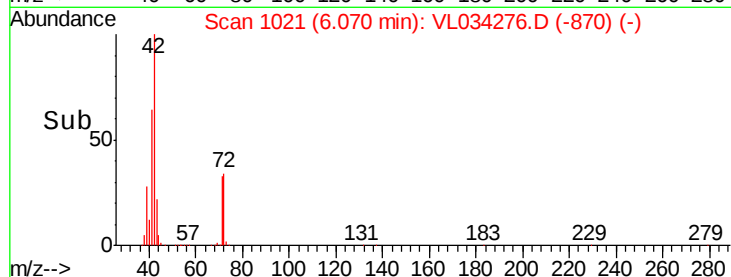
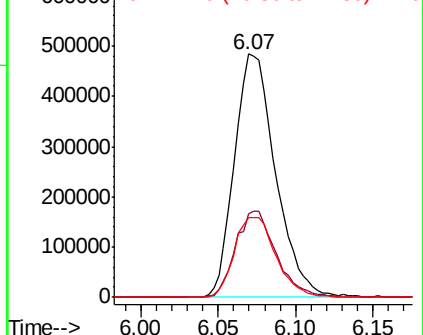
42 100

72 35.2 26.6 40.0

71 33.6 25.1 37.7



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: 8.570 ppbv

RT: 7.84 min Scan# 1571

Delta R.T. -0.01 min

Lab File: VL034276.D

Acq: 9 Oct 2019 13:02

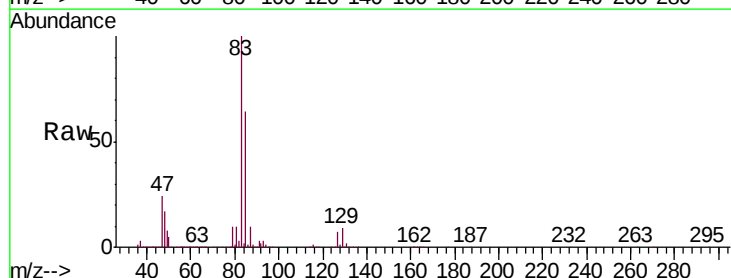
Tgt Ion: 83 Resp: 1479165

Ion Ratio Lower Upper

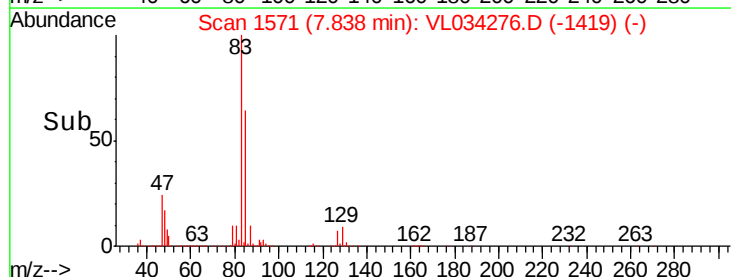
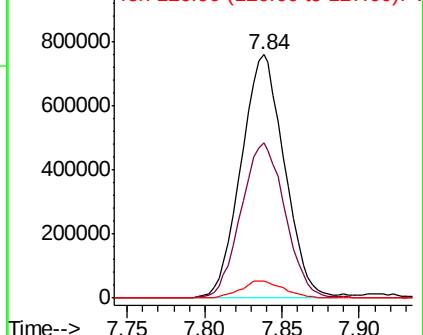
83 100

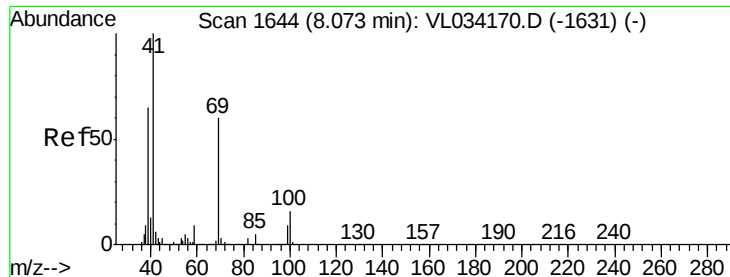
85 63.6 51.4 77.0

127 7.2 5.5 8.3



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

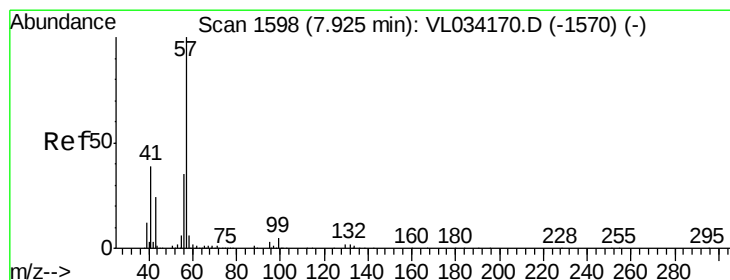
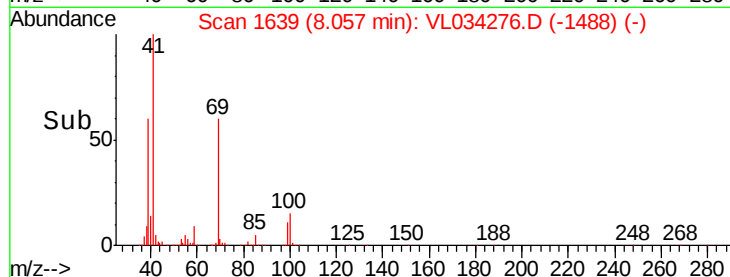
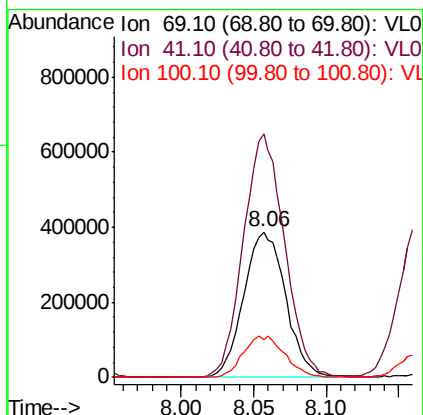
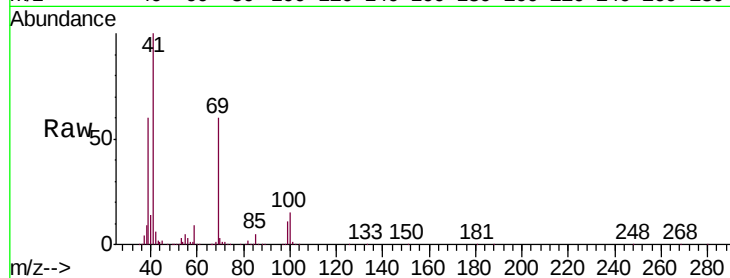




#43
Methyl Methacrylate
Concen: 9.346 ppbv
RT: 8.06 min Scan# 1639
Delta R.T. -0.02 min
Lab File: VL034276.D
Acq: 9 Oct 2019 13:02

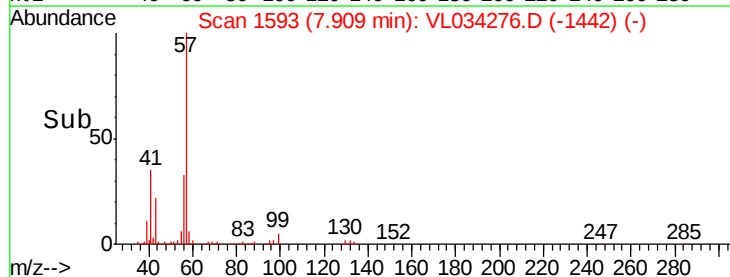
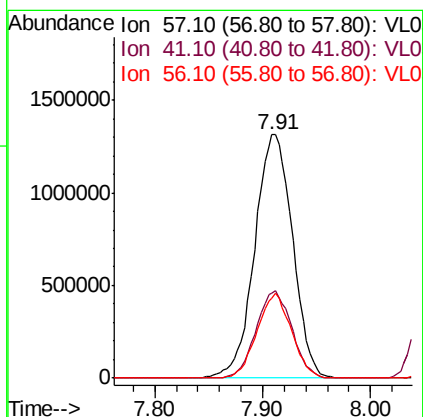
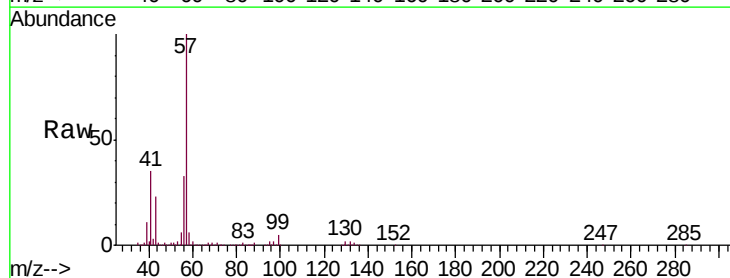
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

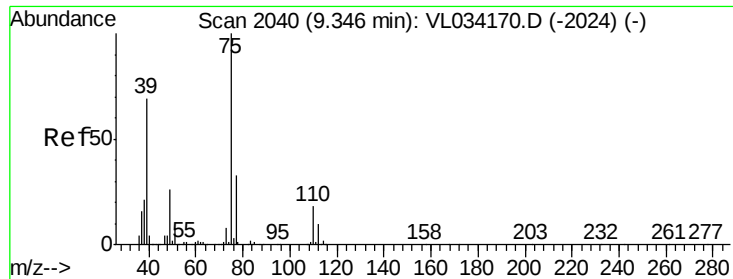
Tgt Ion: 69 Resp: 780669
Ion Ratio Lower Upper
69 100
41 163.5 140.4 210.6
100 28.1 21.9 32.9



#44
2,2,4-Trimethylpentane
Concen: 8.215 ppbv
RT: 7.91 min Scan# 1593
Delta R.T. -0.02 min
Lab File: VL034276.D
Acq: 9 Oct 2019 13:02

Tgt Ion: 57 Resp: 3197691
Ion Ratio Lower Upper
57 100
41 34.0 29.8 44.6
56 31.7 25.9 38.9





#45

t-1,3-Dichloropropene

Concen: 9.813 ppbv

RT: 9.34 min Scan# 2037

Delta R.T. -0.01 min

Lab File: VL034276.D

Acq: 9 Oct 2019 13:02

Instrument :

MSVOA_L

ClientSampleId :

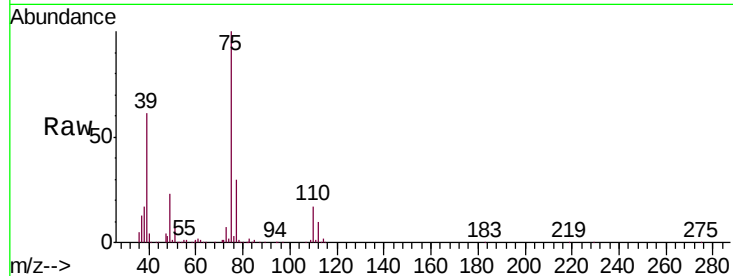
VSTDCCC010EC

Tgt Ion: 75 Resp: 969116

Ion Ratio Lower Upper

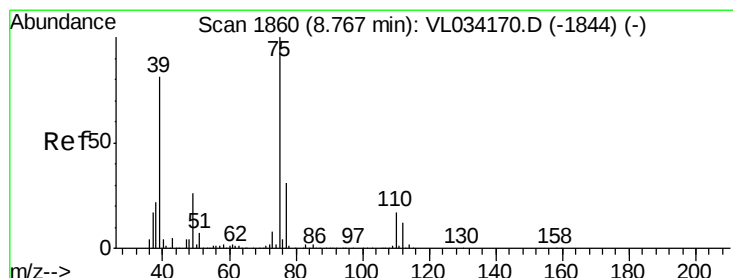
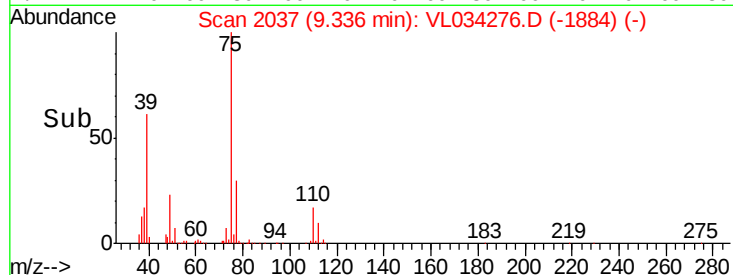
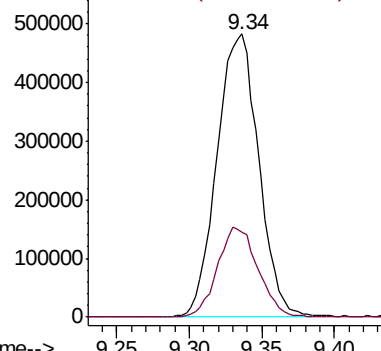
75 100

77 29.9 26.2 39.2



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 9.394 ppbv

RT: 8.75 min Scan# 1855

Delta R.T. -0.02 min

Lab File: VL034276.D

Acq: 9 Oct 2019 13:02

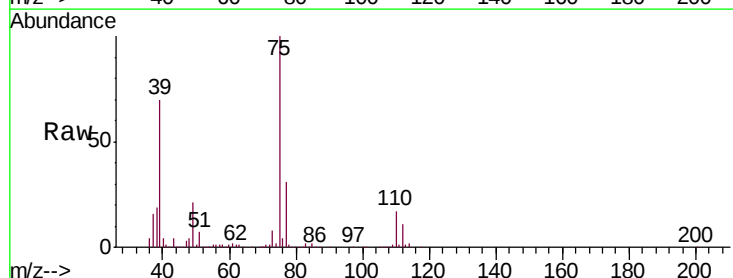
Tgt Ion: 75 Resp: 1115990

Ion Ratio Lower Upper

75 100

39 69.5 65.0 97.4

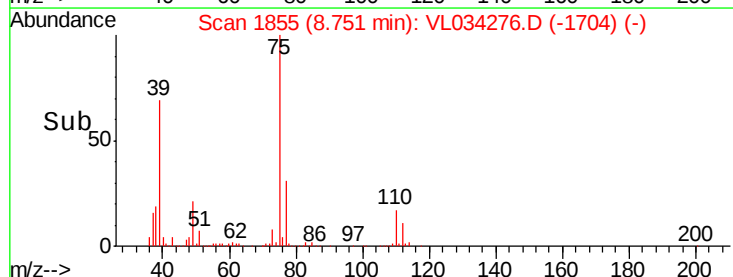
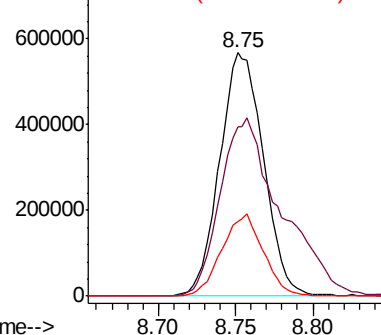
77 30.6 24.5 36.7

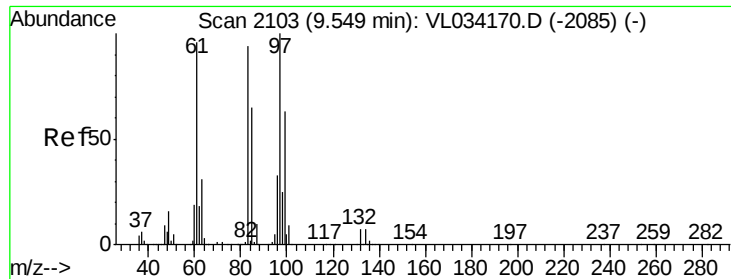


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

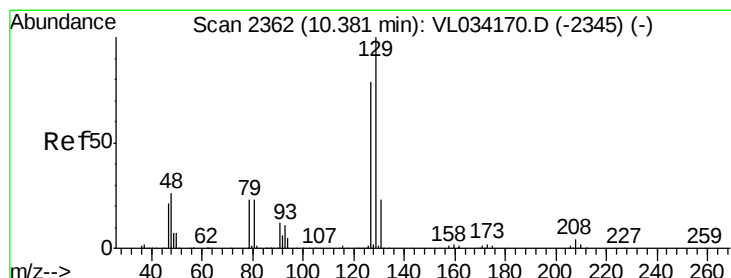
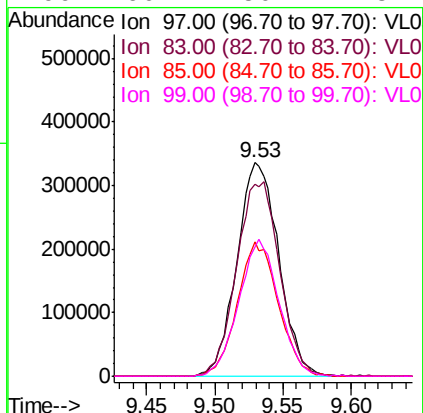
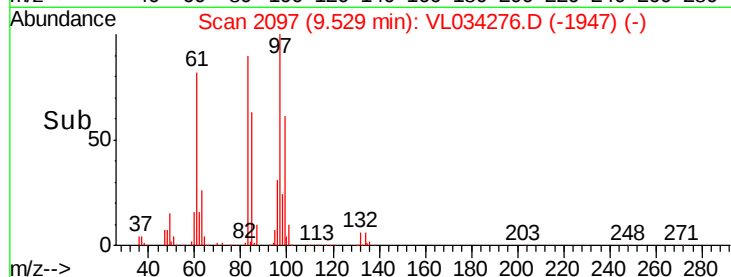
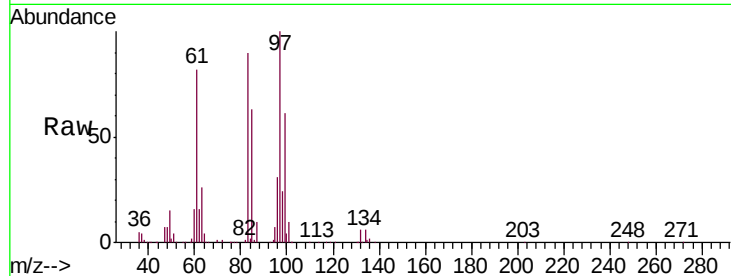




#47
 1,1,2-Trichloroethane
 Concen: 8.757 ppbv
 RT: 9.53 min Scan# 2097
 Delta R.T. -0.02 min
 Lab File: VL034276.D
 Acq: 9 Oct 2019 13:02

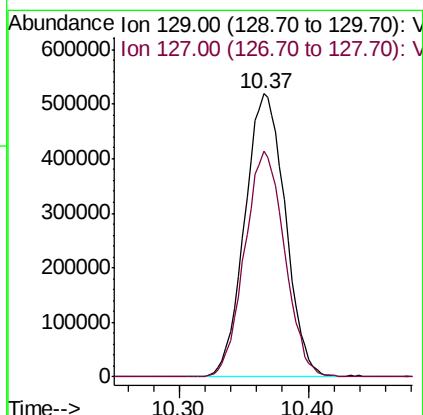
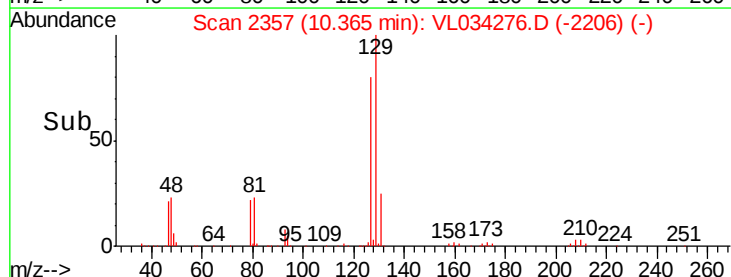
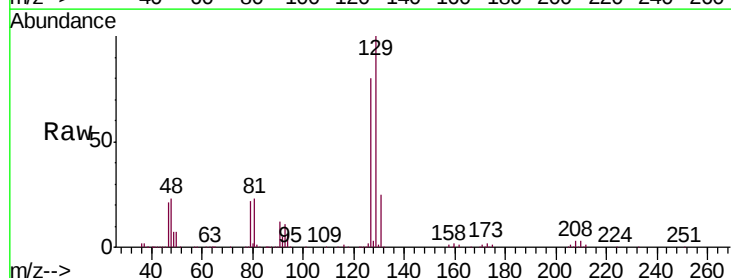
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

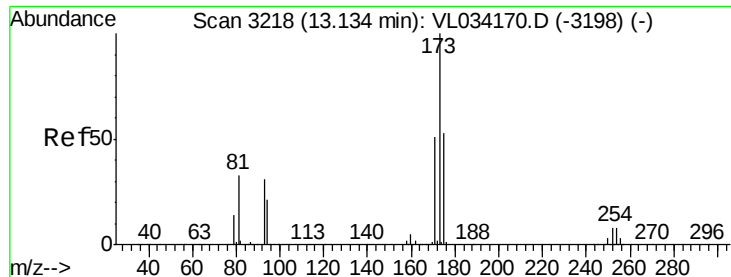
Tgt Ion: 97 Resp: 714373
 Ion Ratio Lower Upper
 97 100
 83 90.0 75.3 112.9
 85 63.1 52.1 78.1
 99 60.7 50.2 75.2



#48
 Dibromochloromethane
 Concen: 8.786 ppbv
 RT: 10.37 min Scan# 2357
 Delta R.T. -0.02 min
 Lab File: VL034276.D
 Acq: 9 Oct 2019 13:02

Tgt Ion: 129 Resp: 1136026
 Ion Ratio Lower Upper
 129 100
 127 78.9 39.2 117.6





#49

Bromoform

Concen: 9.514 ppbv

RT: 13.11 min Scan# 3211

Delta R.T. -0.02 min

Lab File: VL034276.D

Acq: 9 Oct 2019 13:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

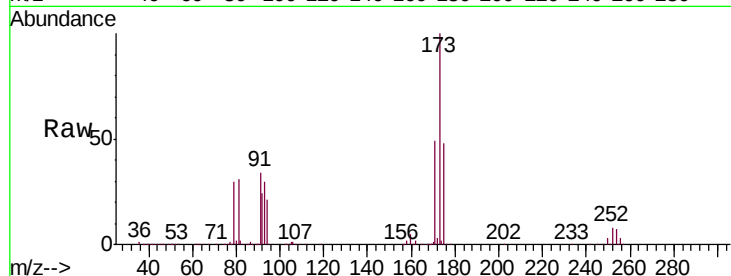
Tgt Ion:173 Resp: 995496

Ion Ratio Lower Upper

173 100

175 48.2 40.3 60.5

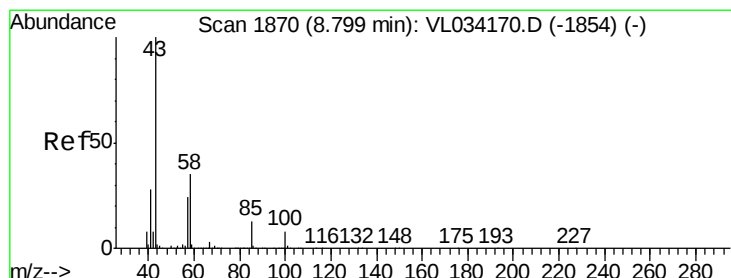
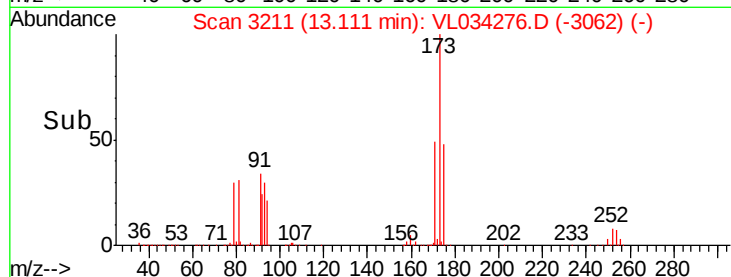
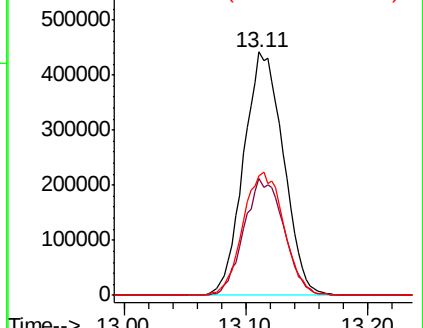
171 51.8 42.0 63.0



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: 8.108 ppbv

RT: 8.79 min Scan# 1866

Delta R.T. -0.01 min

Lab File: VL034276.D

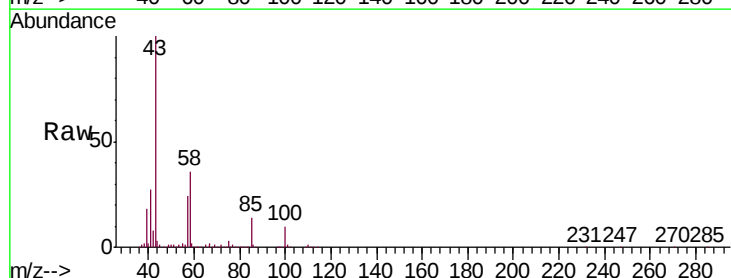
Acq: 9 Oct 2019 13:02

Tgt Ion: 43 Resp: 2205695

Ion Ratio Lower Upper

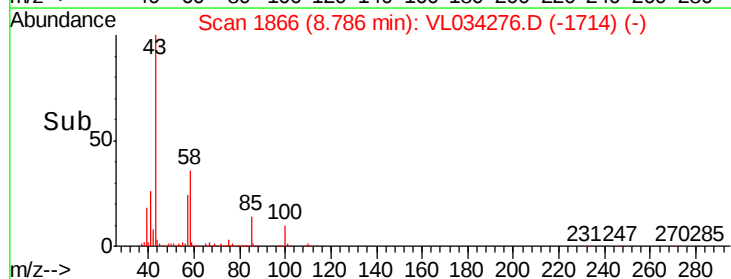
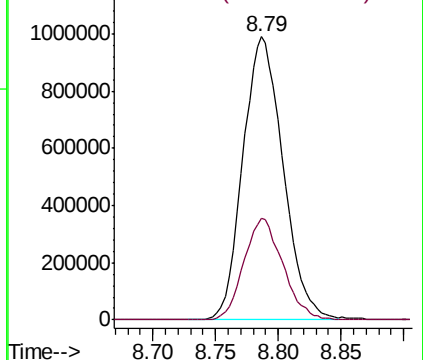
43 100

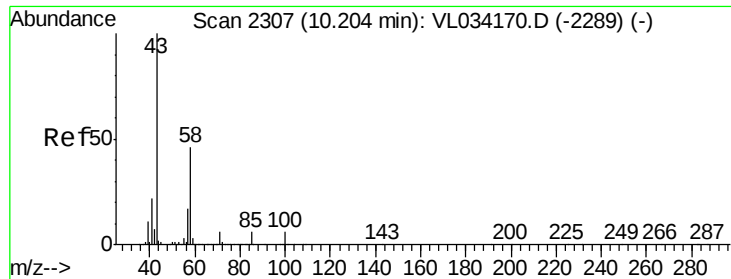
58 35.1 27.6 41.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 8.350 ppbv

RT: 10.19 min Scan# 2301

Delta R.T. -0.02 min

Lab File: VL034276.D

Acq: 9 Oct 2019 13:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

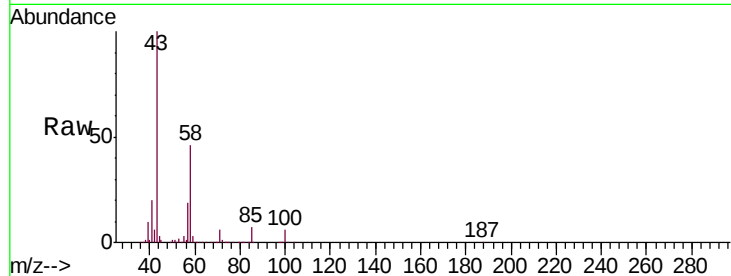
Tgt Ion: 43 Resp: 1906303

Ion Ratio Lower Upper

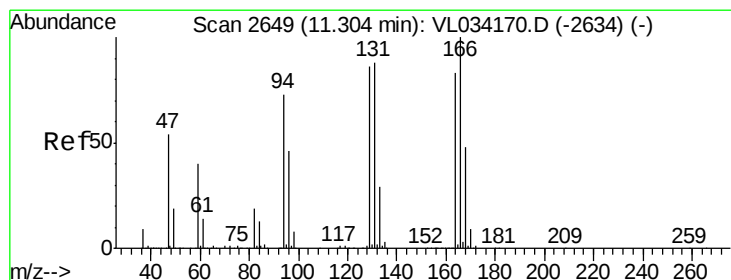
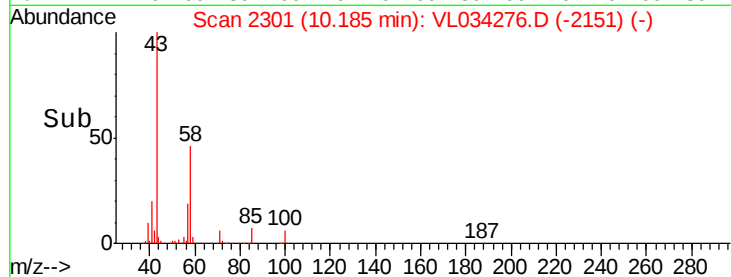
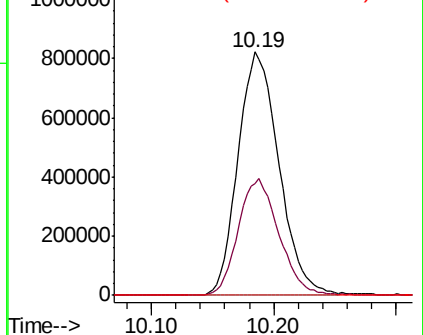
43 100

58 47.9 36.2 54.4

98 0.1 0.2 0.2#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 8.740 ppbv

RT: 11.29 min Scan# 2644

Delta R.T. -0.02 min

Lab File: VL034276.D

Acq: 9 Oct 2019 13:02

Tgt Ion: 164 Resp: 583847

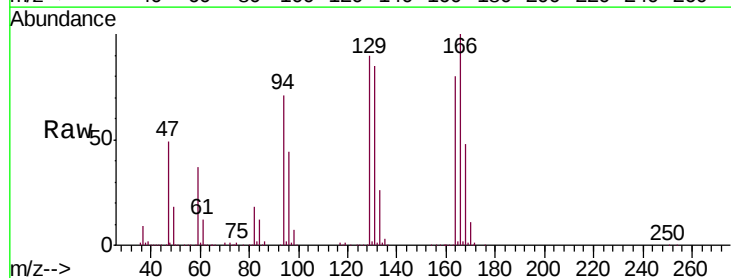
Ion Ratio Lower Upper

164 100

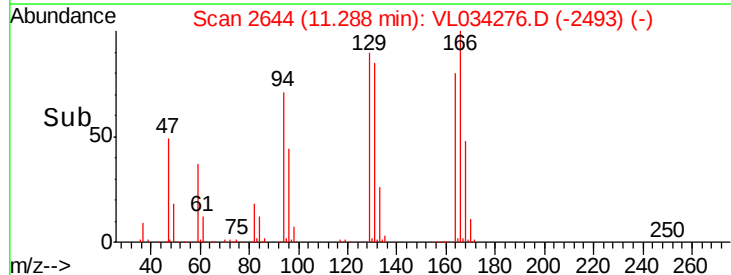
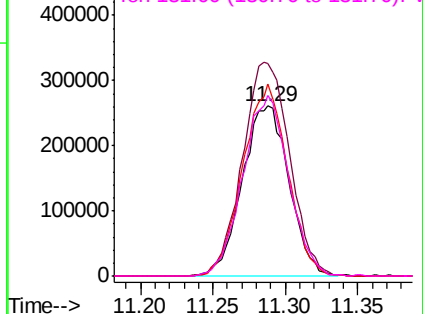
166 124.9 96.7 145.1

129 112.8 82.8 124.2

131 106.0 85.0 127.6



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 9.168 ppbv

RT: 9.86 min Scan# 2201

Delta R.T. -0.02 min

Lab File: VL034276.D

Acq: 9 Oct 2019 13:02

Instrument :

MSVOA_L

ClientSampleId :

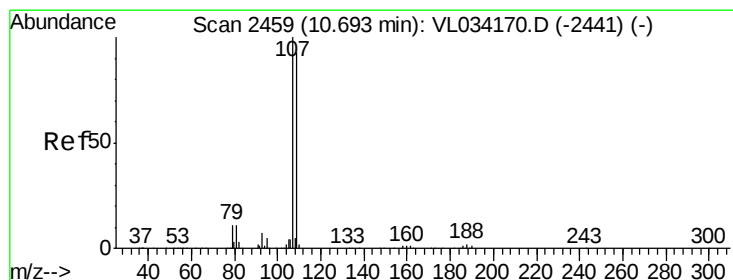
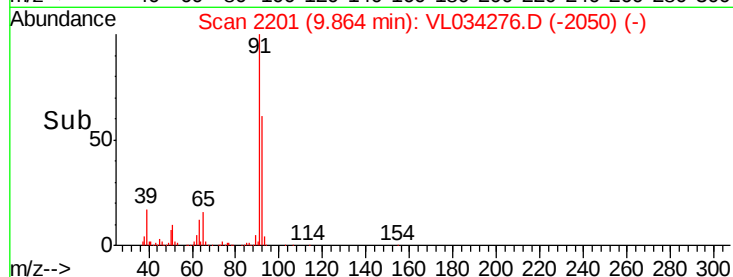
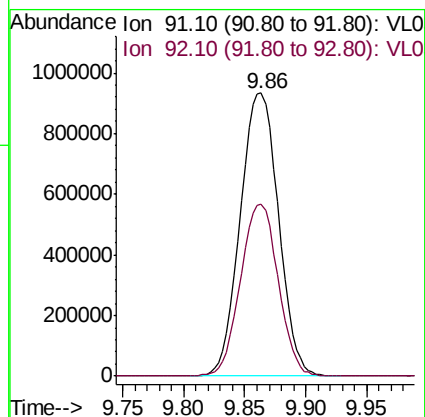
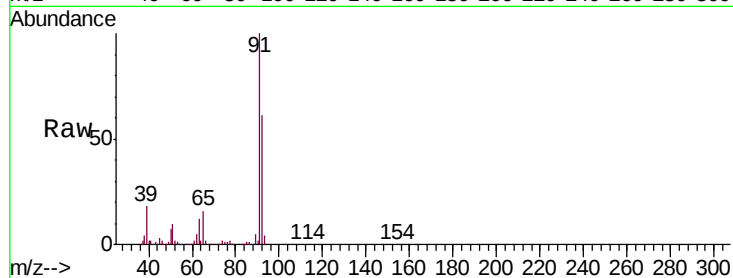
VSTDCCC010EC

Tgt Ion: 91 Resp: 2025904

Ion Ratio Lower Upper

91 100

92 59.9 49.0 73.6



#54

1,2-Dibromoethane

Concen: 8.988 ppbv

RT: 10.67 min Scan# 2453

Delta R.T. -0.02 min

Lab File: VL034276.D

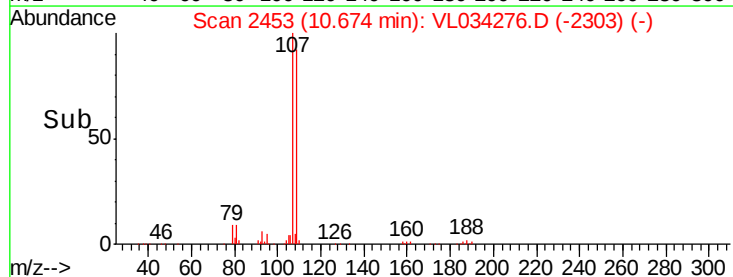
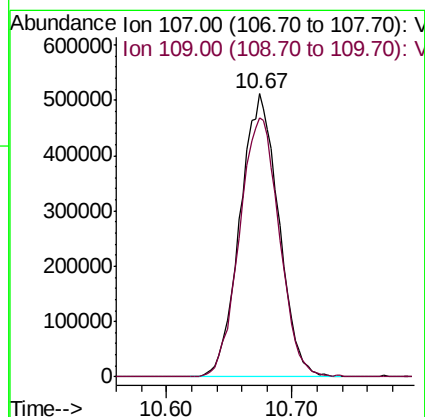
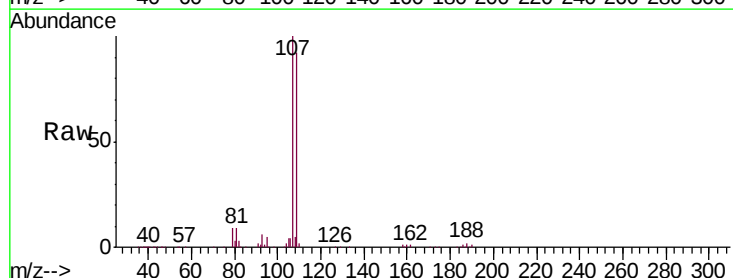
Acq: 9 Oct 2019 13:02

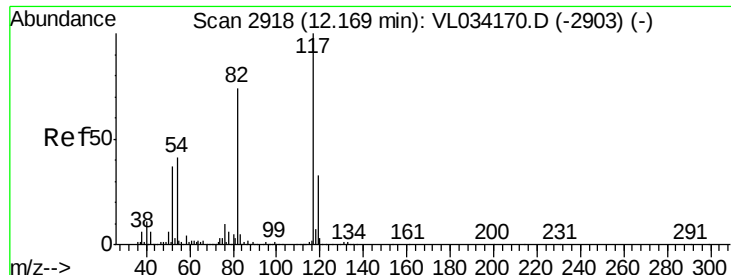
Tgt Ion: 107 Resp: 1090383

Ion Ratio Lower Upper

107 100

109 91.5 74.5 111.7

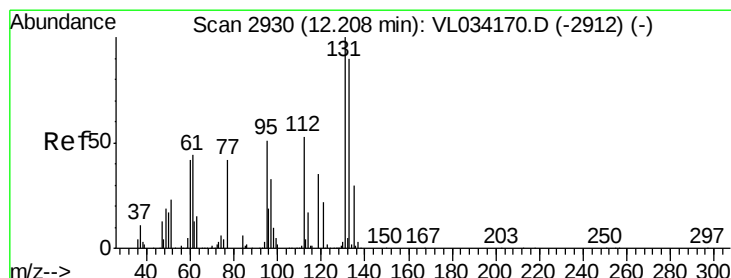
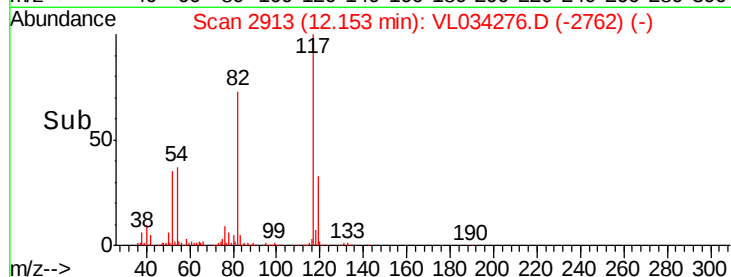
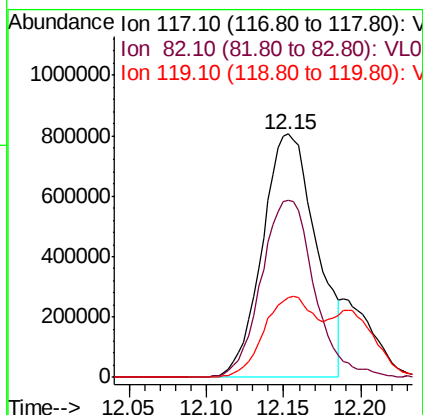
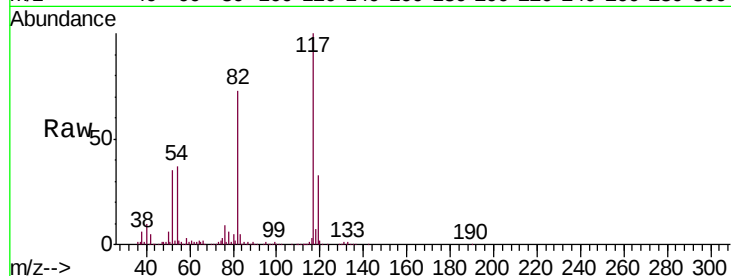




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.15 min Scan# 2913
Delta R.T. -0.02 min
Lab File: VL034276.D
Acq: 9 Oct 2019 13:02

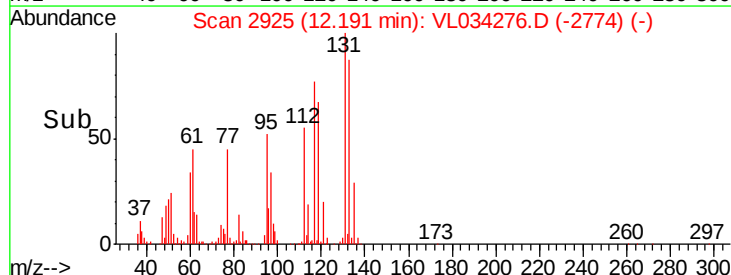
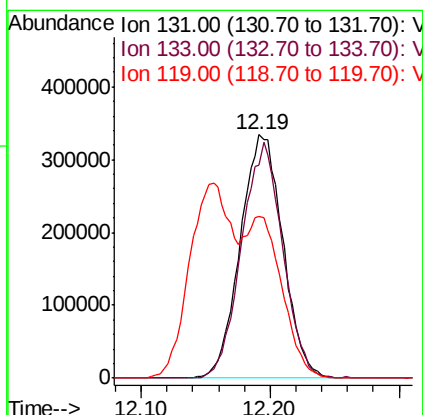
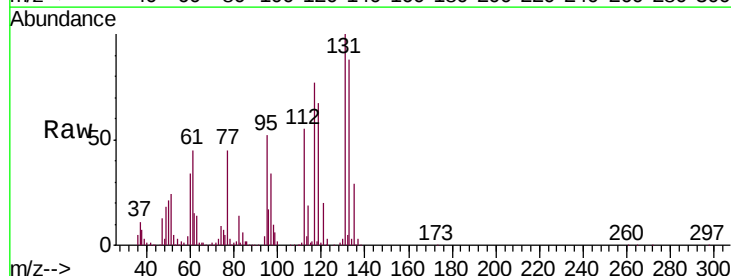
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

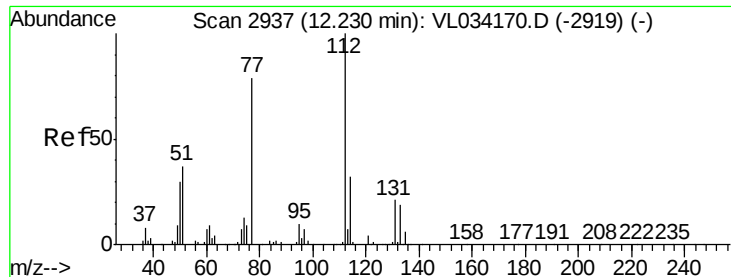
Tgt Ion:117 Resp: 1957619
Ion Ratio Lower Upper
117 100
82 71.9 58.2 87.4
119 55.0 23.7 35.5#



#56
1,1,1,2-Tetrachloroethane
Concen: 8.780 ppbv
RT: 12.19 min Scan# 2925
Delta R.T. -0.02 min
Lab File: VL034276.D
Acq: 9 Oct 2019 13:02

Tgt Ion:131 Resp: 766556
Ion Ratio Lower Upper
131 100
133 93.7 75.1 112.7
119 59.1 47.4 71.0

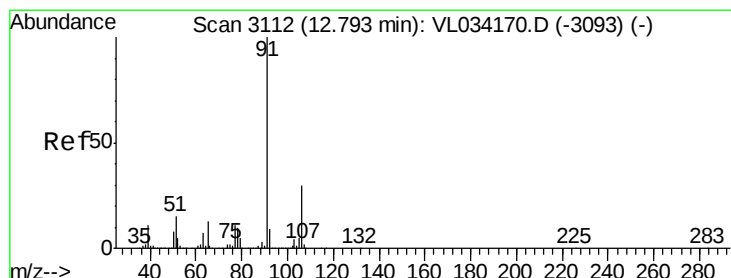
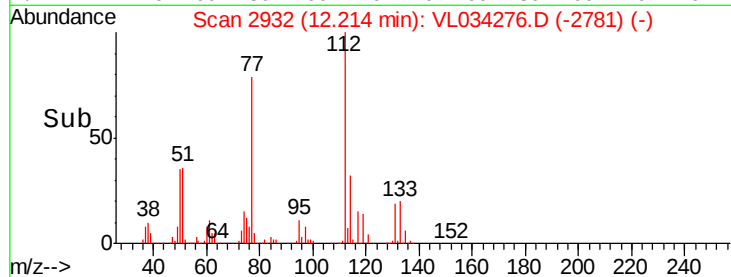
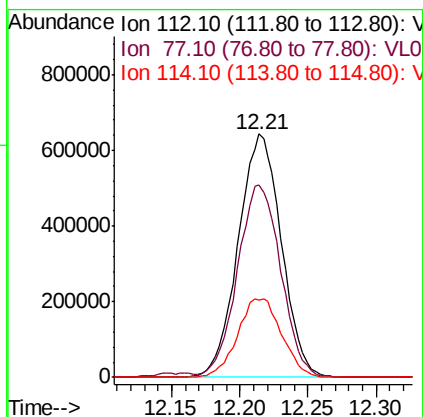
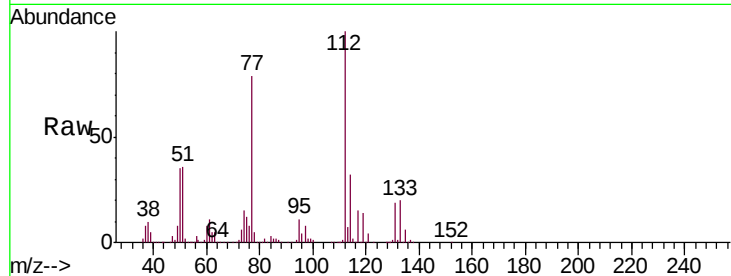




#57
Chlorobenzene
Concen: 8.261 ppbv
RT: 12.21 min Scan# 2932
Delta R.T. -0.02 min
Lab File: VL034276.D
Acq: 9 Oct 2019 13:02

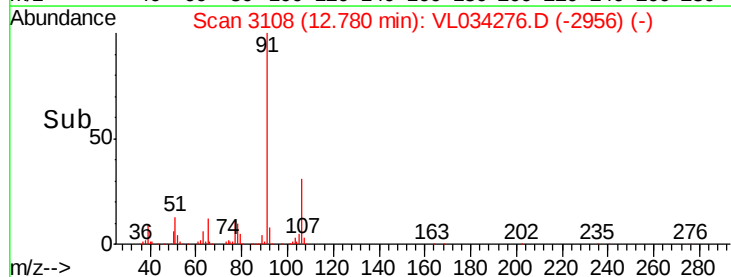
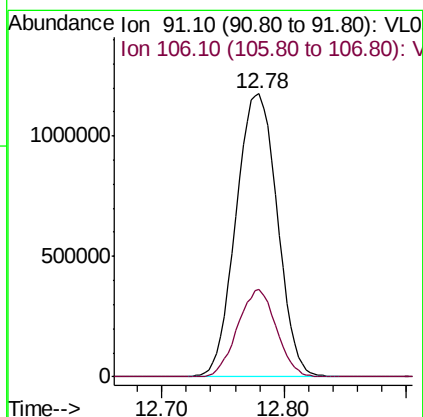
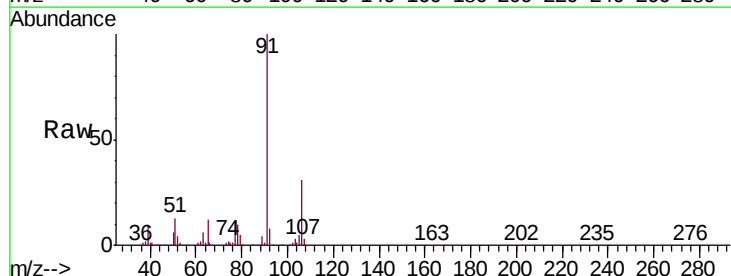
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

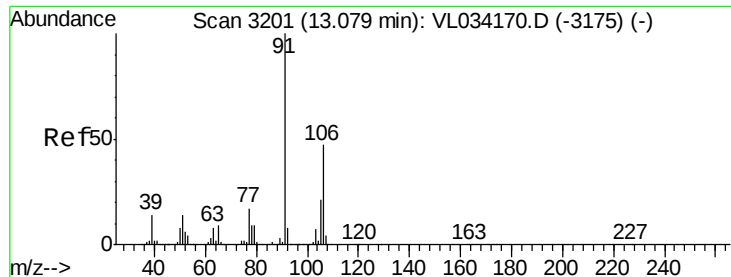
Tgt Ion: 112 Resp: 1407976
Ion Ratio Lower Upper
112 100
77 78.9 64.3 96.5
114 31.5 28.9 35.3



#58
Ethyl Benzene
Concen: 8.707 ppbv
RT: 12.78 min Scan# 3108
Delta R.T. -0.01 min
Lab File: VL034276.D
Acq: 9 Oct 2019 13:02

Tgt Ion: 91 Resp: 2750403
Ion Ratio Lower Upper
91 100
106 31.0 24.2 36.4

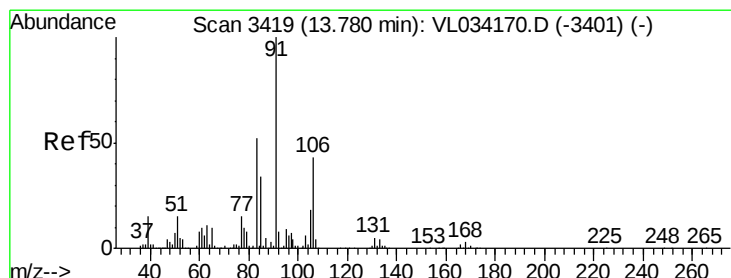
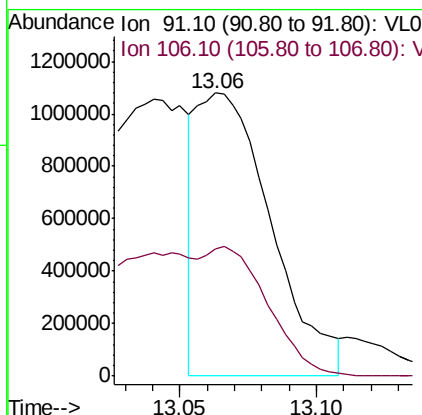
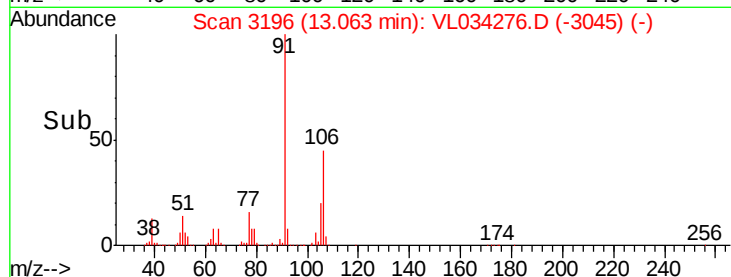
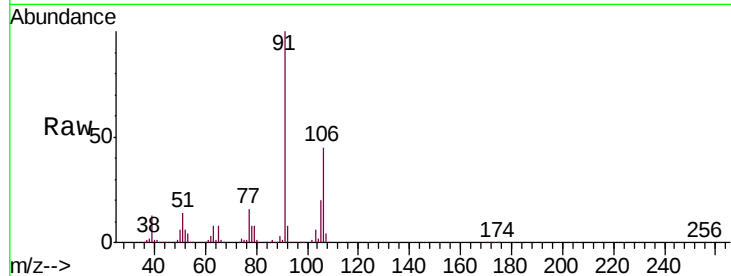




#59
m/p-Xylene
Concen: 7.778 ppbv
RT: 13.06 min Scan# 3196
Delta R.T. -0.02 min
Lab File: VL034276.D
Acq: 9 Oct 2019 13:02

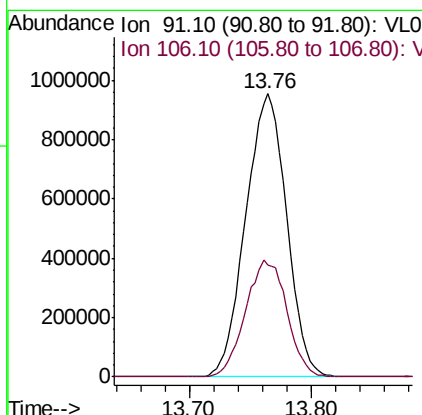
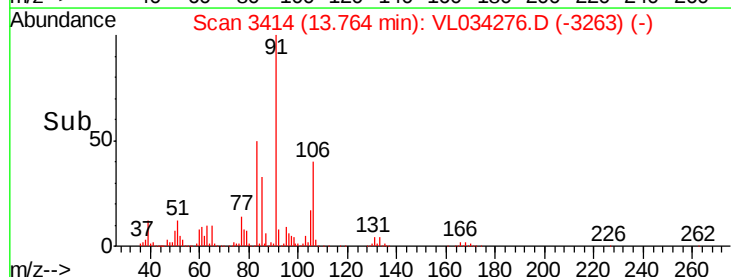
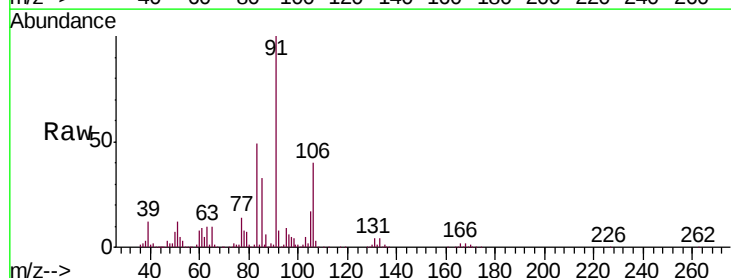
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

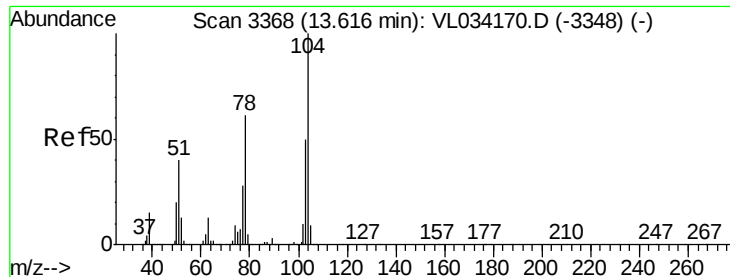
Tgt Ion: 91 Resp: 2034981
Ion Ratio Lower Upper
91 100
106 95.7 35.5 53.3#



#60
o-Xylene
Concen: 8.452 ppbv
RT: 13.76 min Scan# 3414
Delta R.T. -0.02 min
Lab File: VL034276.D
Acq: 9 Oct 2019 13:02

Tgt Ion: 91 Resp: 2211162
Ion Ratio Lower Upper
91 100
106 41.7 21.2 63.6

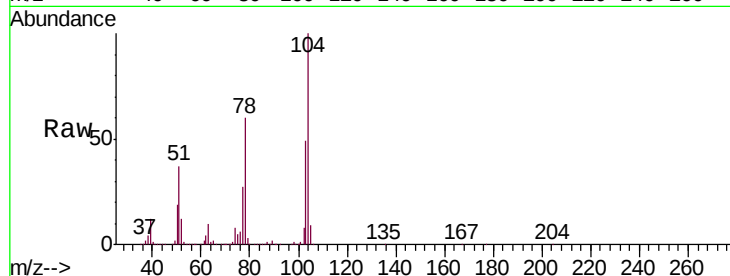




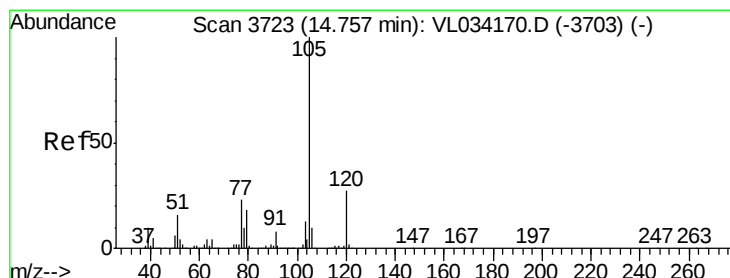
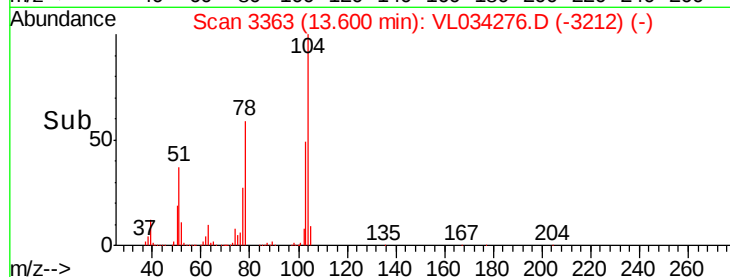
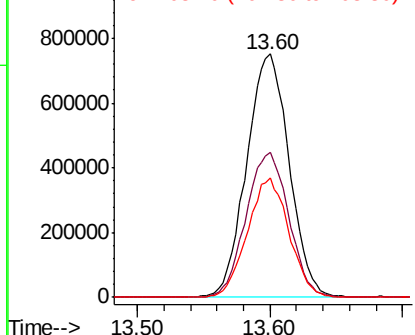
#61
Styrene
Concen: 8.942 ppbv
RT: 13.60 min Scan# 3363
Delta R.T. -0.02 min
Lab File: VL034276.D
Acq: 9 Oct 2019 13:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:104 Resp: 1675578
Ion Ratio Lower Upper
104 100
78 59.9 49.7 74.5
103 48.1 38.4 57.6

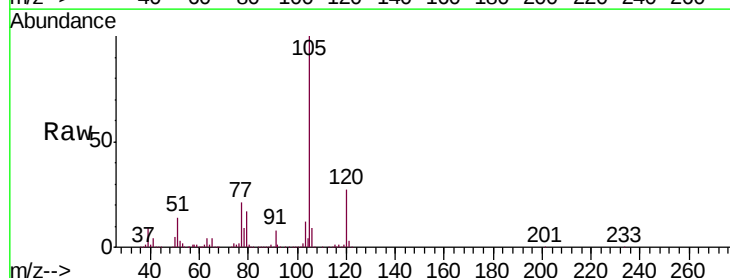


Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VL0
Ion 103.10 (102.80 to 103.80): V

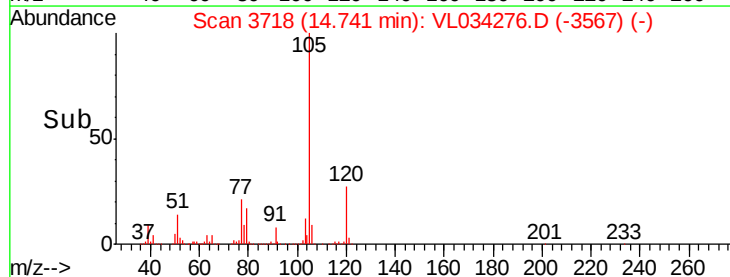
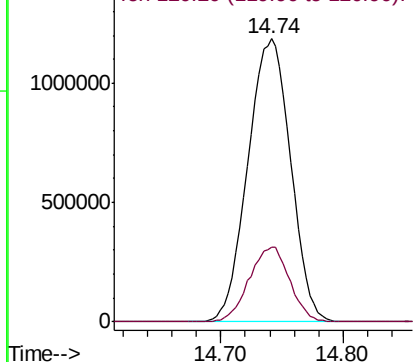


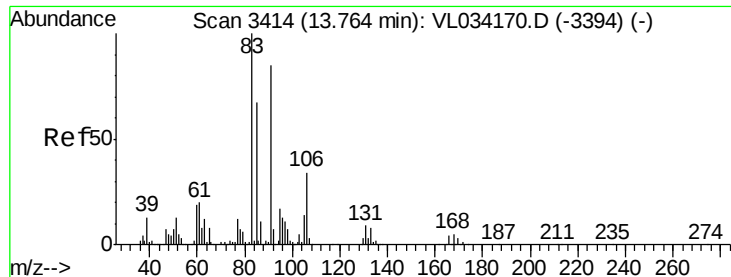
#62
Isopropylbenzene
Concen: 8.489 ppbv
RT: 14.74 min Scan# 3718
Delta R.T. -0.02 min
Lab File: VL034276.D
Acq: 9 Oct 2019 13:02

Tgt Ion:105 Resp: 2874915
Ion Ratio Lower Upper
105 100
120 25.1 20.7 31.1



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: 7.623 ppbv

RT: 13.75 min Scan# 3410

Delta R.T. -0.01 min

Lab File: VL034276.D

Acq: 9 Oct 2019 13:02

Instrument :

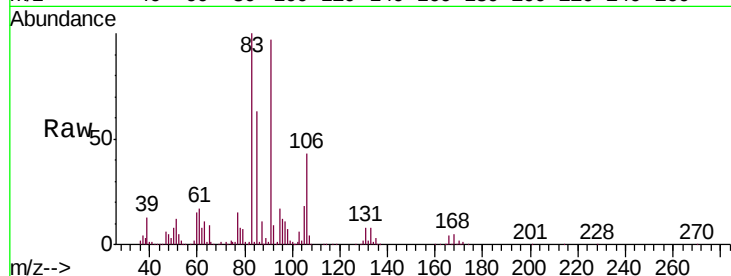
MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 83 Resp: 1635189

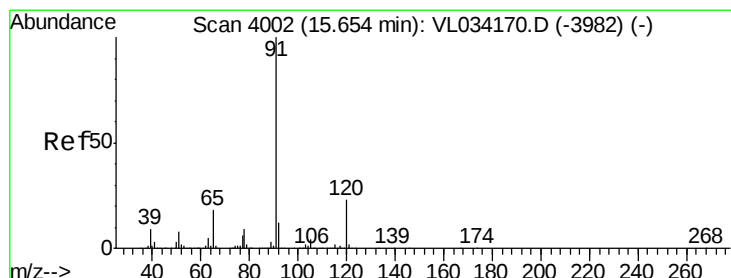
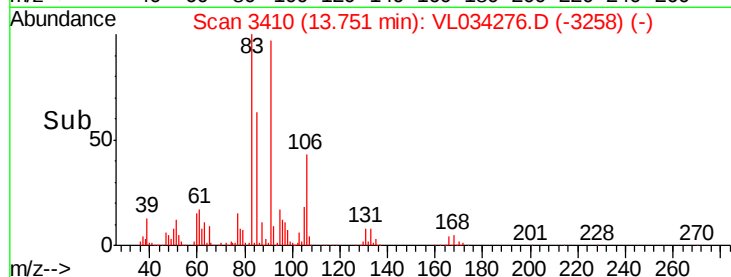
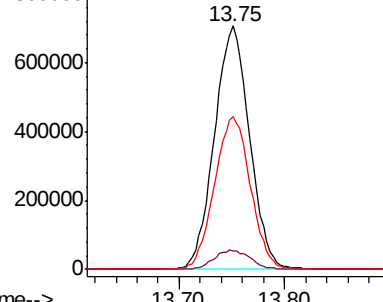
Ion	Ratio	Lower	Upper
83	100		
131	8.2	4.3	12.8
85	64.4	32.8	98.4



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 8.782 ppbv

RT: 15.64 min Scan# 3997

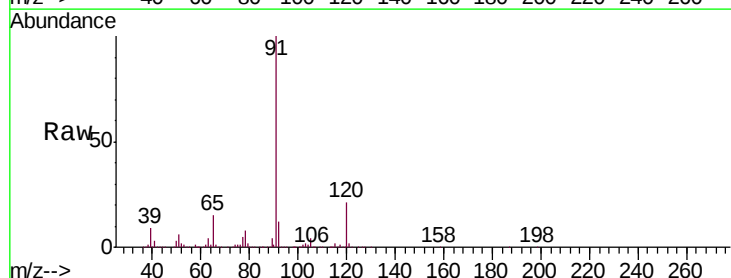
Delta R.T. -0.02 min

Lab File: VL034276.D

Acq: 9 Oct 2019 13:02

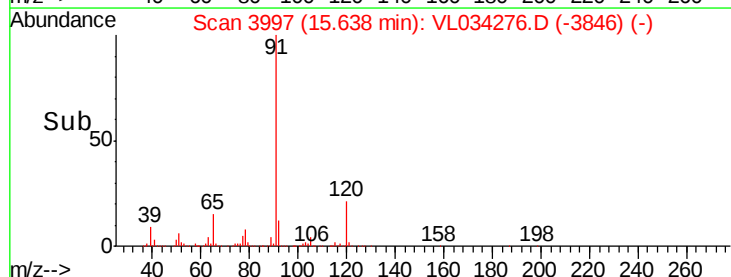
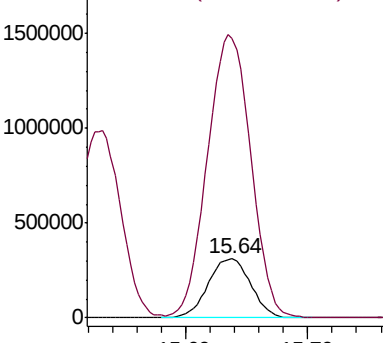
Tgt Ion: 120 Resp: 752448

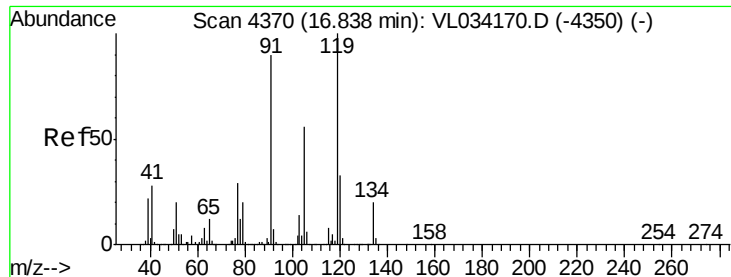
Ion	Ratio	Lower	Upper
120	100		
91	491.3	378.2	567.2



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0

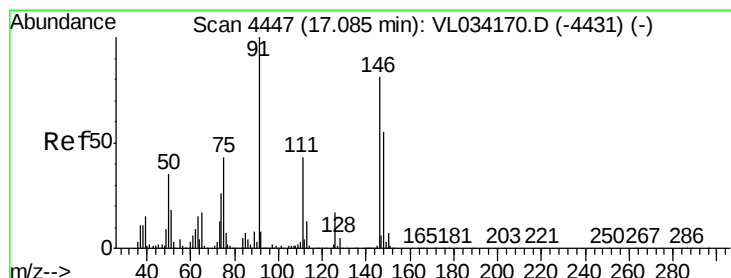
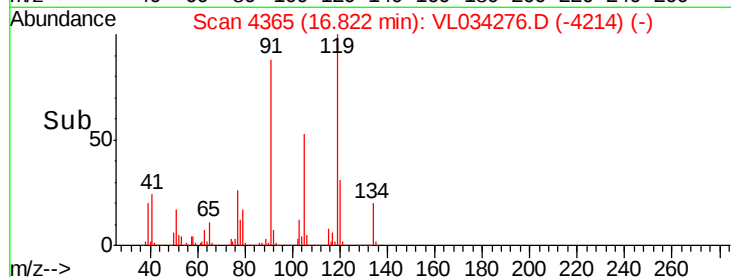
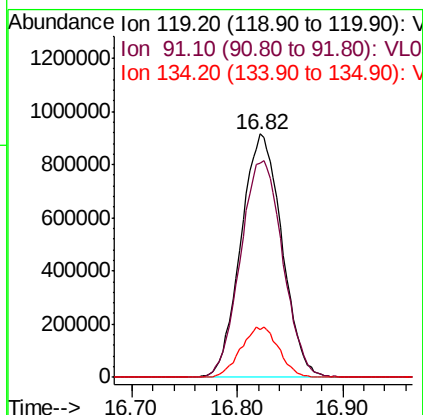
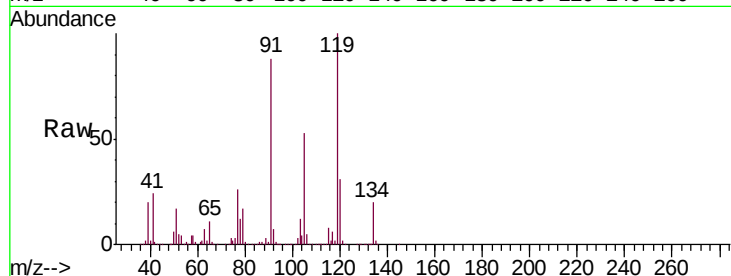




#65
tert-Butylbenzene
Concen: 8.356 ppbv
RT: 16.82 min Scan# 4365
Delta R.T. -0.02 min
Lab File: VL034276.D
Acq: 9 Oct 2019 13:02

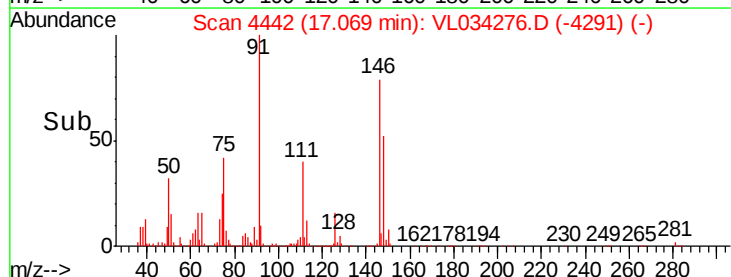
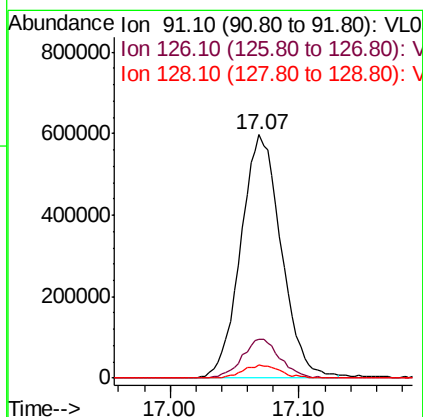
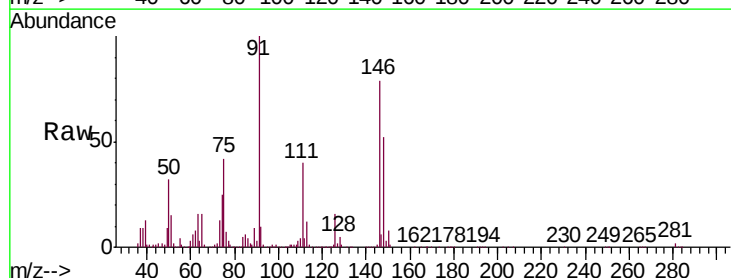
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

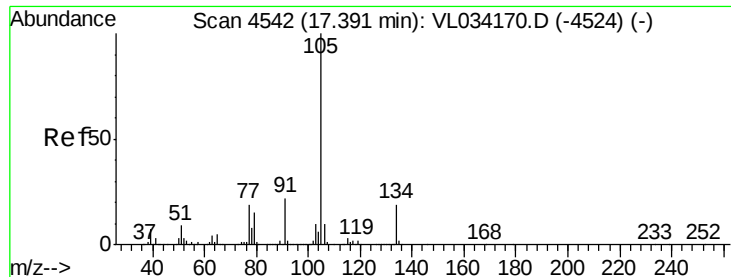
Tgt Ion: 119 Resp: 2472665
Ion Ratio Lower Upper
119 100
91 92.1 74.9 112.3
134 19.2 15.8 23.6



#66
Benzyl Chloride
Concen: 12.434 ppbv
RT: 17.07 min Scan# 4442
Delta R.T. -0.02 min
Lab File: VL034276.D
Acq: 9 Oct 2019 13:02

Tgt Ion: 91 Resp: 1301656
Ion Ratio Lower Upper
91 100
126 15.2 12.6 19.0
128 5.0 4.0 6.0

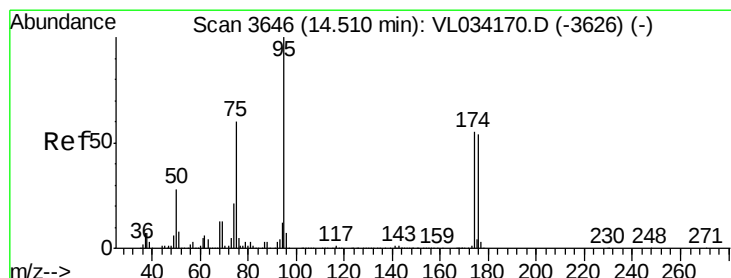
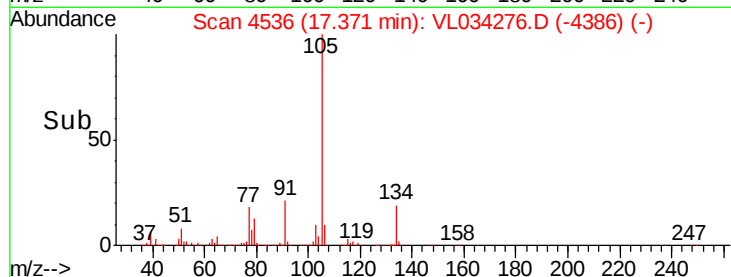
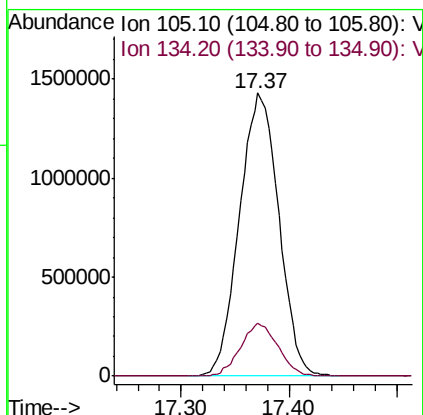
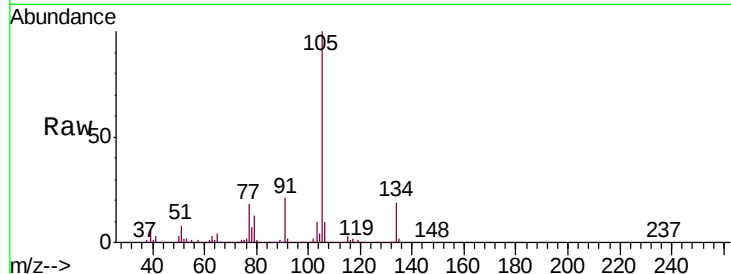




#67
 sec-Butylbenzene
 Concen: 8.538 ppbv
 RT: 17.37 min Scan# 4536
 Delta R.T. -0.02 min
 Lab File: VL034276.D
 Acq: 9 Oct 2019 13:02

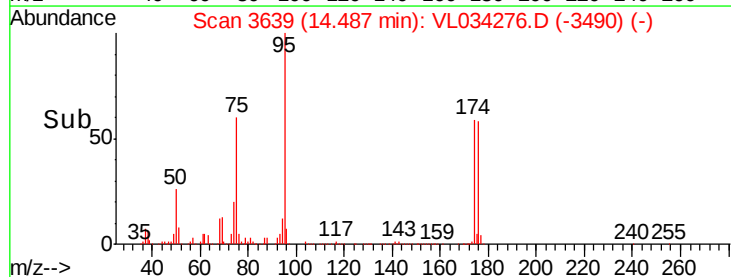
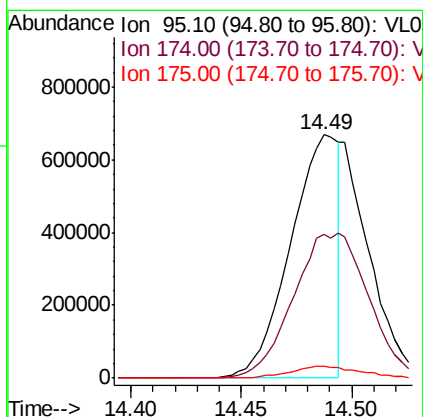
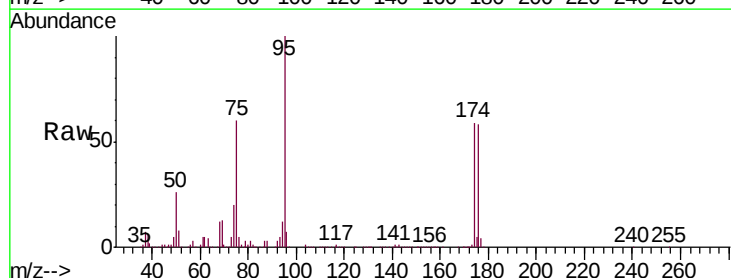
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

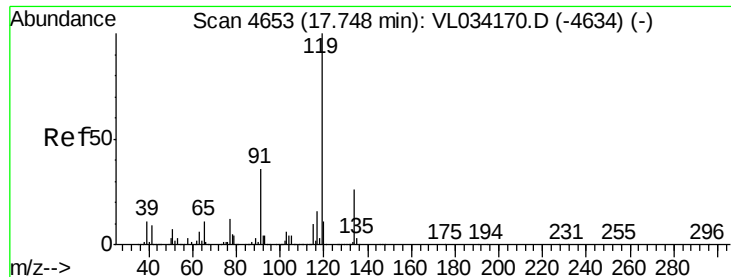
Tgt Ion: 105 Resp: 3612628
 Ion Ratio Lower Upper
 105 100
 134 17.9 14.6 22.0



#68
 1-Bromo-4-Fluorobenzene
 Concen: 5.933 ppbv
 RT: 14.49 min Scan# 3639
 Delta R.T. -0.02 min
 Lab File: VL034276.D
 Acq: 9 Oct 2019 13:02

Tgt Ion: 95 Resp: 1009176
 Ion Ratio Lower Upper
 95 100
 174 93.4 45.1 67.7#
 175 7.2 3.3 4.9#

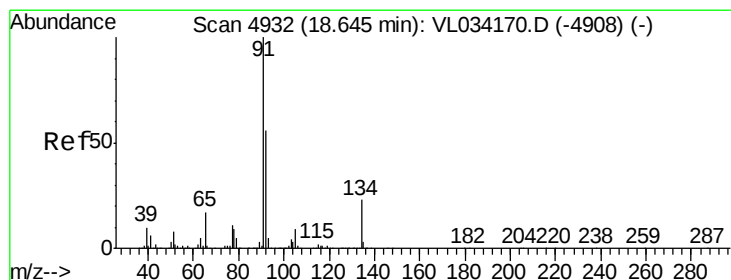
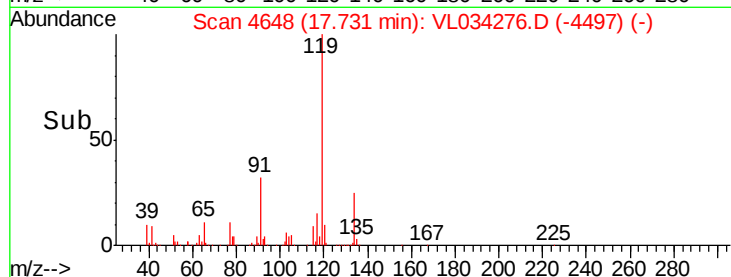
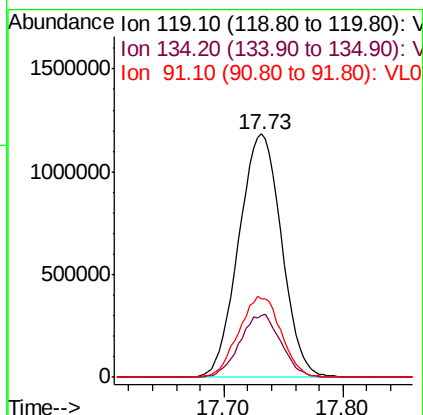
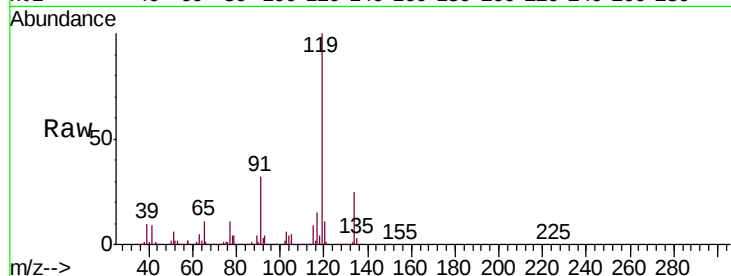




#69
p-Isopropyltoluene
Concen: 8.587 ppbv
RT: 17.73 min Scan# 4648
Delta R.T. -0.02 min
Lab File: VL034276.D
Acq: 9 Oct 2019 13:02

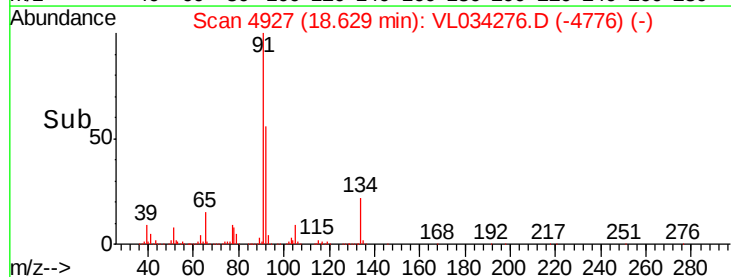
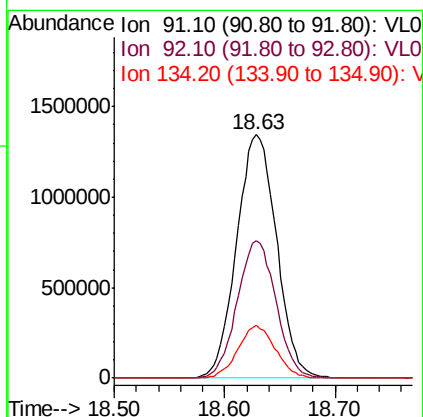
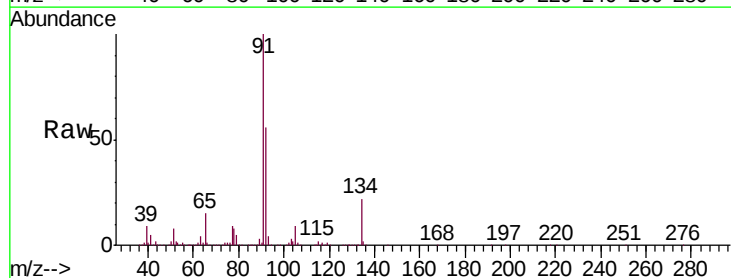
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

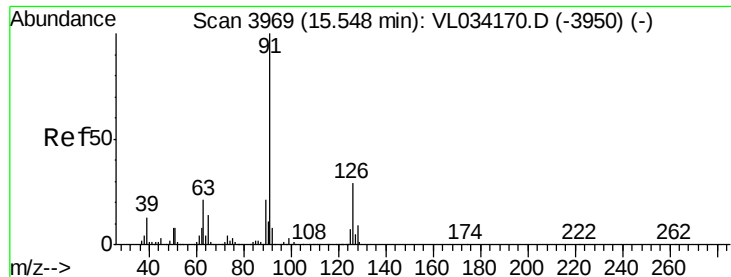
Tgt Ion: 119 Resp: 2942257
Ion Ratio Lower Upper
119 100
134 25.0 20.6 30.8
91 33.1 27.6 41.4



#70
n-Butylbenzene
Concen: 8.421 ppbv
RT: 18.63 min Scan# 4927
Delta R.T. -0.02 min
Lab File: VL034276.D
Acq: 9 Oct 2019 13:02

Tgt Ion: 91 Resp: 3359708
Ion Ratio Lower Upper
91 100
92 54.9 44.8 67.2
134 20.5 17.3 25.9





#71

2-Chlorotoluene

Concen: 8.678 ppbv

RT: 15.53 min Scan# 3964

Delta R.T. -0.02 min

Lab File: VL034276.D

Acq: 9 Oct 2019 13:02

Instrument :

MSVOA_L

ClientSampleId :

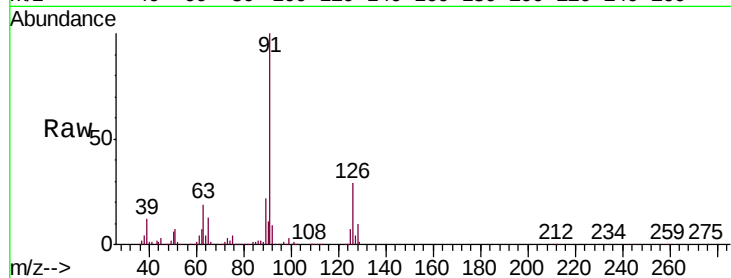
VSTDCCC010EC

Tgt Ion: 91 Resp: 2401100

Ion Ratio Lower Upper

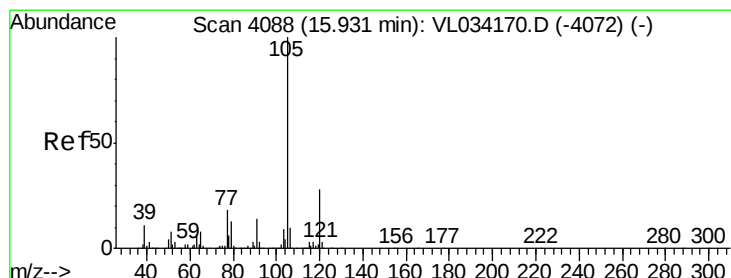
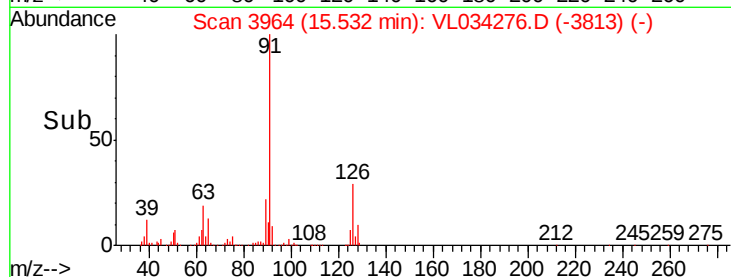
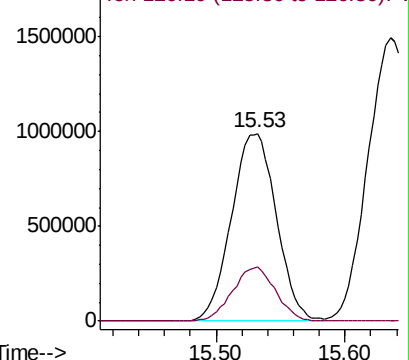
91 100

126 27.6 11.2 45.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 8.639 ppbv

RT: 15.92 min Scan# 4084

Delta R.T. -0.01 min

Lab File: VL034276.D

Acq: 9 Oct 2019 13:02

Tgt Ion: 105 Resp: 2553324

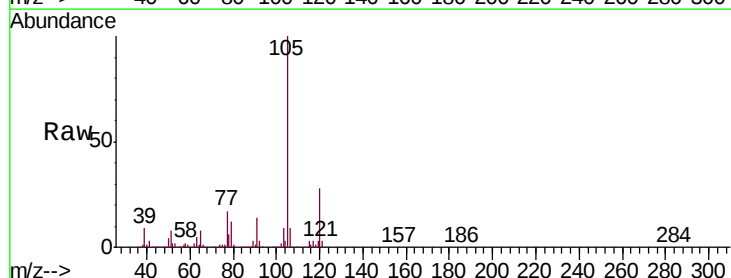
Ion Ratio Lower Upper

105 100

120 28.0 23.3 34.9

91 13.8 11.4 17.2

77 15.7 13.3 19.9

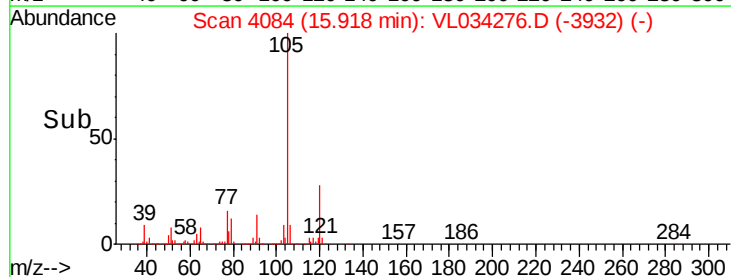
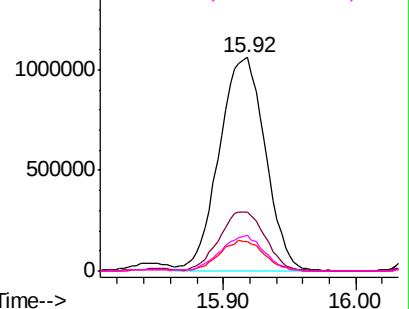


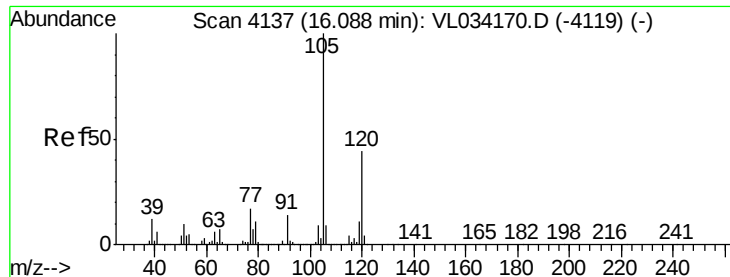
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

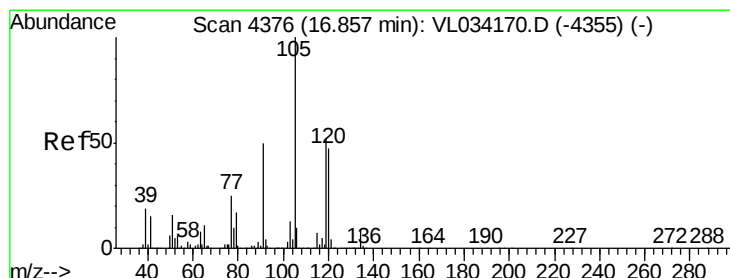
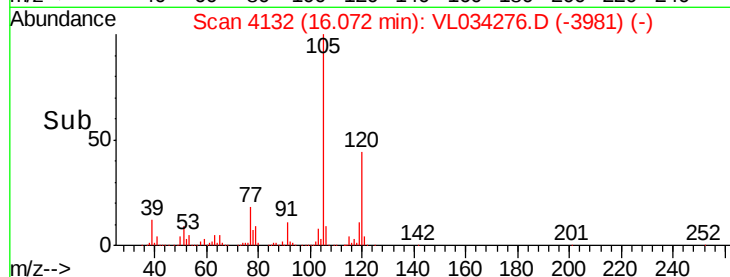
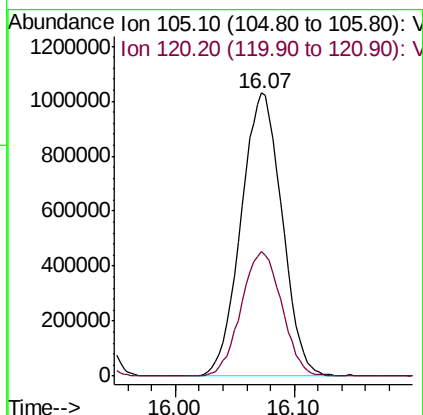
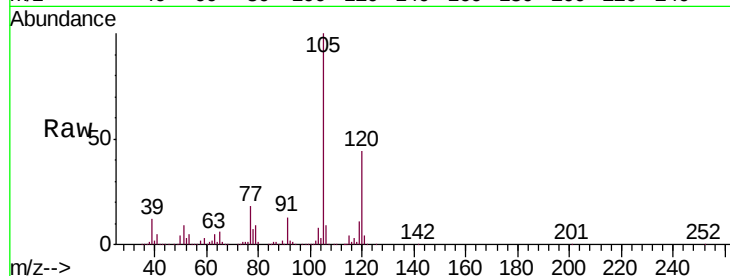




#73
 1,3,5-Trimethylbenzene
 Concen: 8.558 ppbv
 RT: 16.07 min Scan# 4132
 Delta R.T. -0.02 min
 Lab File: VL034276.D
 Acq: 9 Oct 2019 13:02

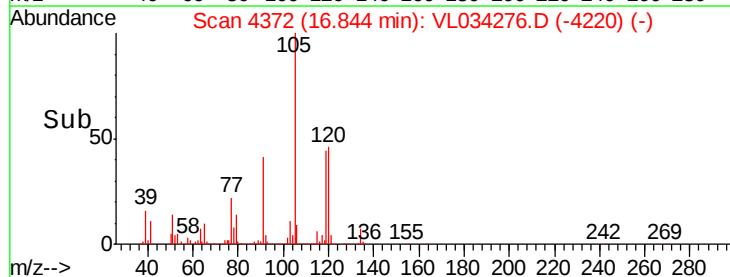
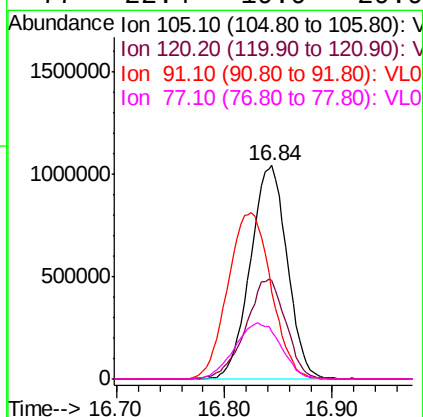
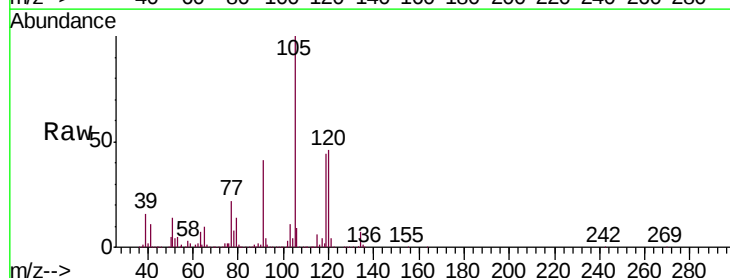
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

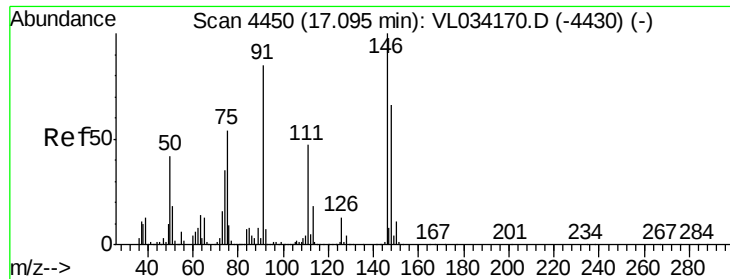
Tgt Ion:105 Resp: 2443537
 Ion Ratio Lower Upper
 105 100
 120 44.0 35.6 53.4



#74
 1,2,4-Trimethylbenzene
 Concen: 8.141 ppbv
 RT: 16.84 min Scan# 4372
 Delta R.T. -0.01 min
 Lab File: VL034276.D
 Acq: 9 Oct 2019 13:02

Tgt Ion:105 Resp: 2468348
 Ion Ratio Lower Upper
 105 100
 120 46.4 37.5 56.3
 91 40.8 41.1 61.7#
 77 22.4 19.9 29.9





#75

1,3-Dichlorobenzene

Concen: 8.479 ppbv

RT: 17.08 min Scan# 4445

Delta R.T. -0.02 min

Lab File: VL034276.D

Acq: 9 Oct 2019 13:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

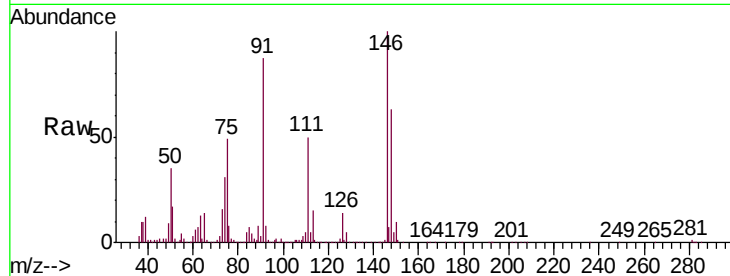
Tgt Ion:146 Resp: 1379250

Ion Ratio Lower Upper

146 100

111 49.1 25.9 77.8

148 63.6 32.6 97.7

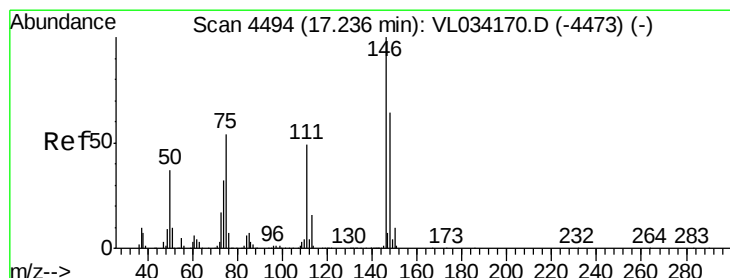
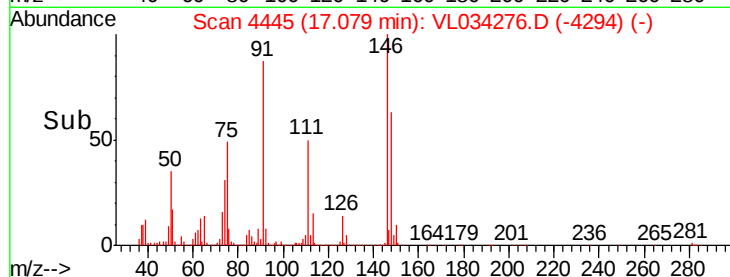
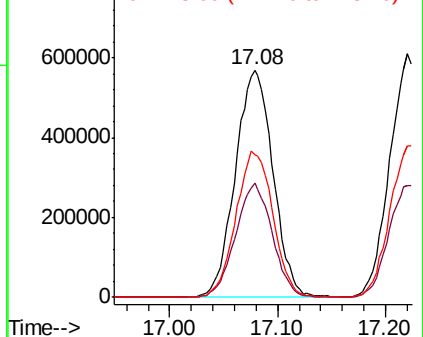


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 8.260 ppbv

RT: 17.22 min Scan# 4489

Delta R.T. -0.02 min

Lab File: VL034276.D

Acq: 9 Oct 2019 13:02

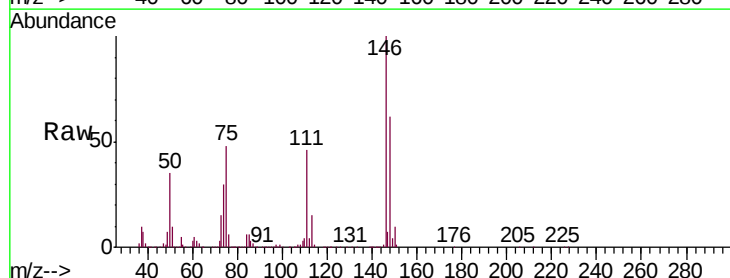
Tgt Ion:146 Resp: 1376033

Ion Ratio Lower Upper

146 100

111 49.1 24.6 74.0

148 64.4 32.4 97.0

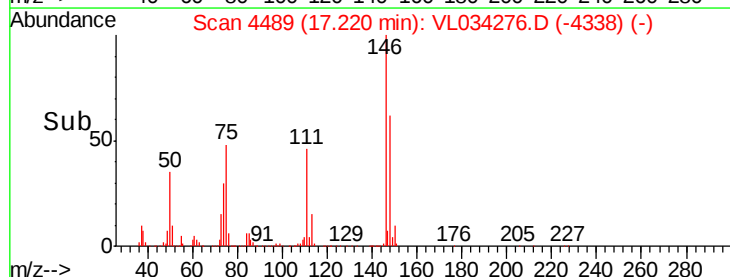
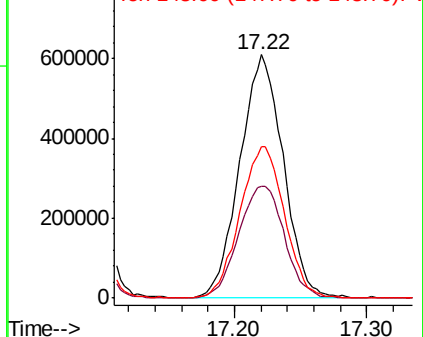


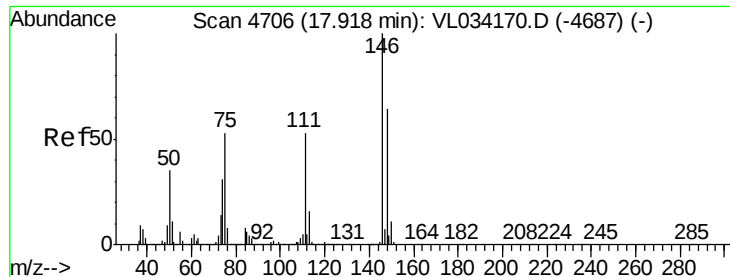
Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

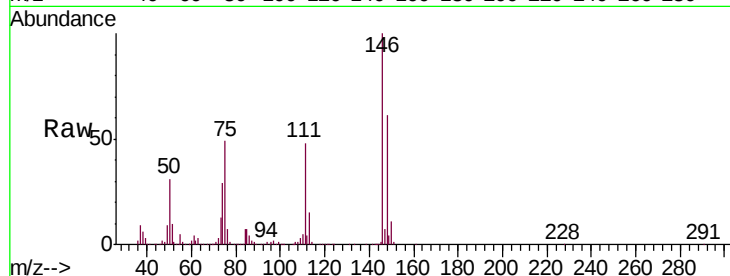




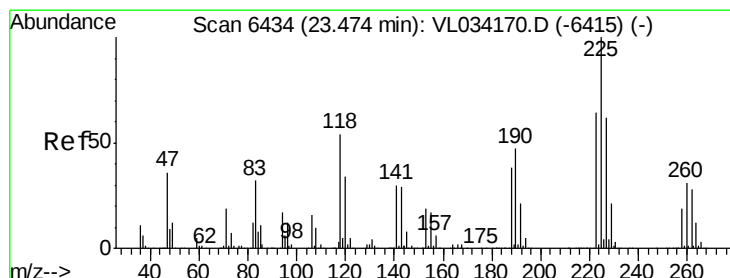
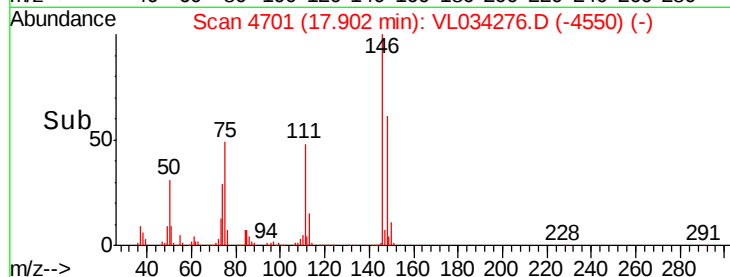
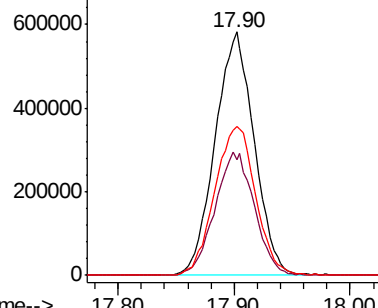
#77
 1,2-Dichlorobenzene
 Concen: 8.278 ppbv
 RT: 17.90 min Scan# 4701
 Delta R.T. -0.02 min
 Lab File: VL034276.D
 Acq: 9 Oct 2019 13:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:146 Resp: 1362863
 Ion Ratio Lower Upper
 146 100
 111 51.0 26.1 78.3
 148 64.1 31.9 95.9

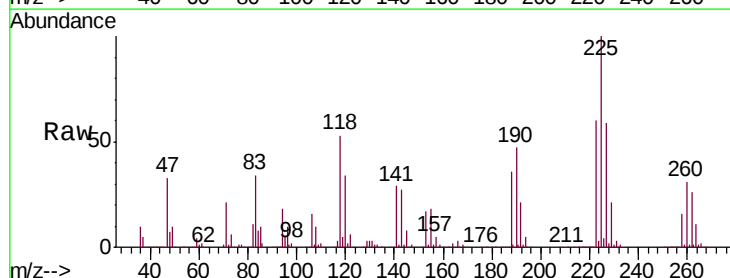


Abundance Ion 146.00 (145.70 to 146.70): V
 800000 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

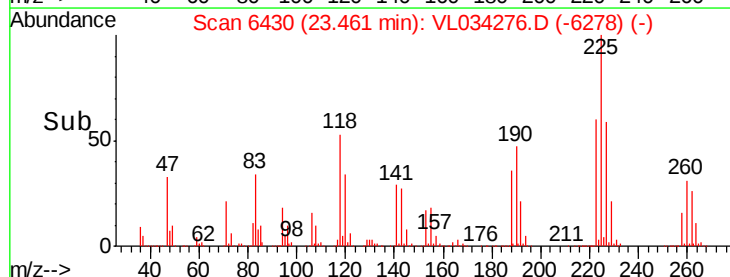
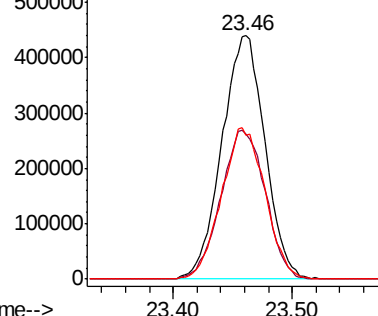


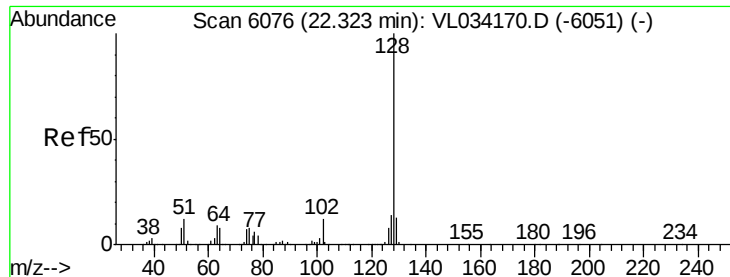
#78
 Hexachloro-1,3-Butadiene
 Concen: 10.089 ppbv
 RT: 23.46 min Scan# 6430
 Delta R.T. -0.01 min
 Lab File: VL034276.D
 Acq: 9 Oct 2019 13:02

Tgt Ion:225 Resp: 1100208
 Ion Ratio Lower Upper
 225 100
 223 63.3 51.7 77.5
 227 63.1 52.1 78.1



Abundance Ion 224.90 (224.60 to 225.60): V
 600000 Ion 222.90 (222.60 to 223.60): V
 Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 9.534 ppbv

RT: 22.30 min Scan# 6070

Delta R.T. -0.02 min

Lab File: VL034276.D

Acq: 9 Oct 2019 13:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

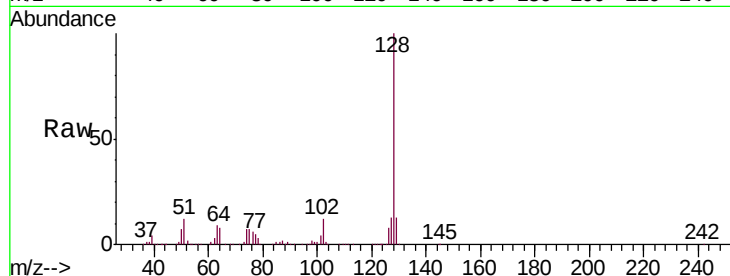
Tgt Ion:128 Resp: 2544786

Ion Ratio Lower Upper

128 100

127 13.2 11.1 16.7

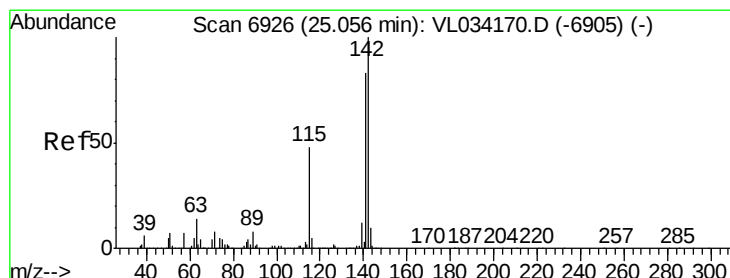
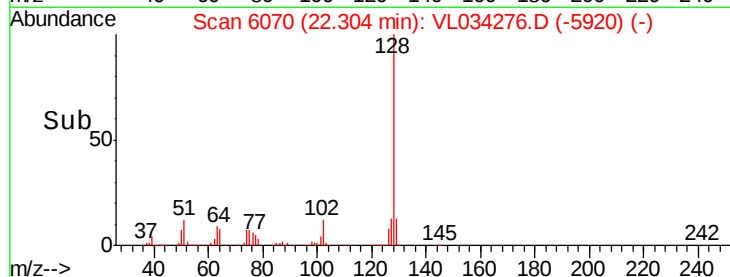
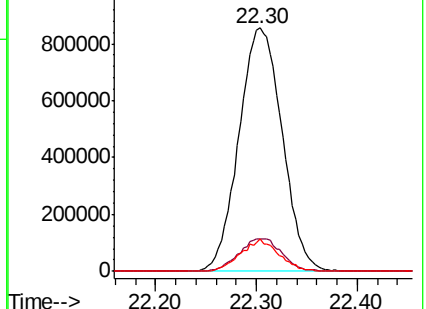
129 13.1 10.2 15.4



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: 8.436 ppbv

RT: 25.04 min Scan# 6922

Delta R.T. -0.01 min

Lab File: VL034276.D

Acq: 9 Oct 2019 13:02

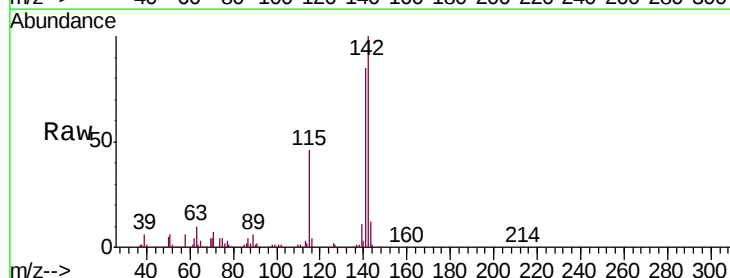
Tgt Ion:142 Resp: 1047133

Ion Ratio Lower Upper

142 100

141 84.5 67.6 101.4

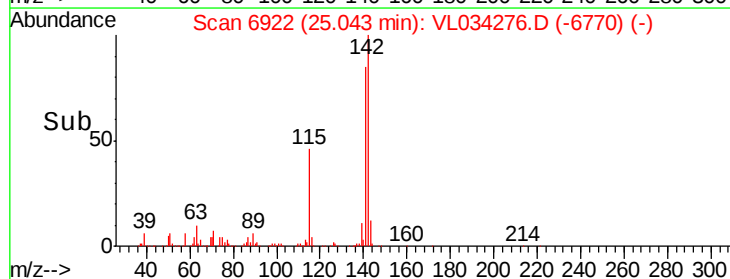
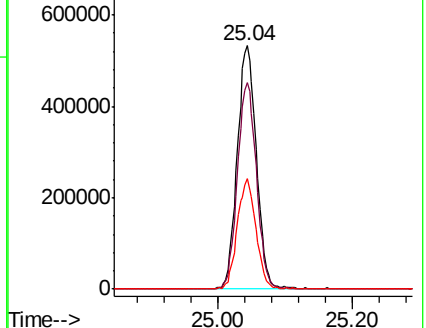
115 44.3 36.9 55.3

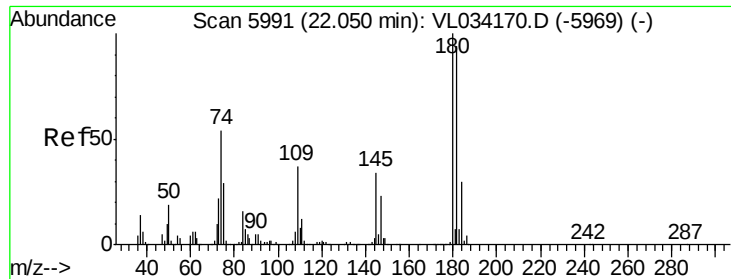


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 8.442 ppbv

RT: 22.03 min Scan# 5986

Delta R.T. -0.02 min

Lab File: VL034276.D

Acq: 9 Oct 2019 13:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

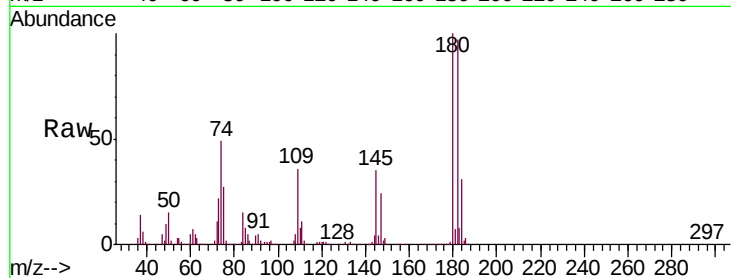
Tgt Ion:180 Resp: 1248200

Ion Ratio Lower Upper

180 100

182 97.3 77.4 116.2

184 31.2 25.0 37.4



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

