

Data File : VL034123.D
Acq On : 5 Sep 2019 4:27
Operator : SY/AP
Sample : VSTDIC0.5
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Quant Time: Sep 05 09:56:36 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL090519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Sep 05 09:42:59 2019
QLast Update : Thu Sep 05 09:42:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.71	49	1189515	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.23	114	2174298	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.17	117	2206090	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.51	95	1853126	10.28	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.80%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.04	85	117004	0.596	ppbv	96
3) Chlorodifluoromethane	2.98	51	72202	0.545	ppbv	96
4) Chloromethane	3.13	50	43732	0.528	ppbv	98
5) Vinyl Chloride	3.25	62	37434	0.496	ppbv #	85
6) Bromomethane	3.47	94	17973	0.482	ppbv	90
7) Chloroethane	3.55	64	4598	0.179	ppbv #	79
8) Dichlorotetrafluoroethane	3.18	85	87178	0.552	ppbv	99
9) Propene	3.00	41	40134	0.541	ppbv	92
10) Heptane	8.19	43	102752	0.534	ppbv	100
11) Trichlorofluoromethane	3.96	101	87954	0.550	ppbv	91
12) 1,1,2-Trichlorotrifluoroet	4.51	101	58077	0.543	ppbv	98
13) Ethanol	3.61	45	5934	0.353	ppbv #	29
14) Bromoethene	3.75	108	20651	0.446	ppbv #	87
15) Acetone	3.87	43	81023	0.565	ppbv	100
16) 1,3-Butadiene	3.33	39	37288	0.514	ppbv	93
17) tert-Butyl alcohol	4.33	59	57857	0.556	ppbv	99
18) 1,1-Dichloroethene	4.30	96	11927	0.244	ppbv	90
19) Isopropyl Alcohol	3.98	45	22911	0.237	ppbv #	97
20) Methylene Chloride	4.36	84	26294	0.555	ppbv	91
21) Allyl Chloride	4.43	41	48530	0.513	ppbv	99
22) trans-1,2-Dichloroethene	4.91	96	24710	0.505	ppbv	84
23) Vinyl Acetate	5.10	43	126073	0.518	ppbv	97
24) 1,1-Dichloroethane	5.04	63	88095	0.546	ppbv #	96
25) Ethyl Acetate	5.72	43	174631	0.555	ppbv	100
26) Hexane	5.72	57	81308	0.581	ppbv	92
27) Carbon Disulfide	4.57	76	57677	0.458	ppbv #	71
28) Methyl tert-Butyl Ether	5.07	73	107063	0.522	ppbv	97
29) Chloroform	5.79	83	103128	0.546	ppbv	86
30) Cyclohexane	7.18	84	52729	0.521	ppbv	97
31) cis-1,2-Dichloroethene	5.58	61	68578	0.512	ppbv	90
32) 1,1,1-Trichloroethane	6.56	97	88429	0.499	ppbv	98
34) 2-Butanone	5.29	43	114052	0.546	ppbv	98
35) Carbon Tetrachloride	7.07	117	82893	0.493	ppbv	91
36) Benzene	6.95	78	134590	0.542	ppbv	96
37) 1,2-Dichloroethane	6.35	62	82988	0.545	ppbv	97
38) Trichloroethene	7.89	130	24235	0.264	ppbv	92
39) 1,2-Dichloropropane	7.67	63	36425	0.342	ppbv	95
40) 1,4-Dioxane	7.92	88	8308	0.212	ppbv #	1
41) Tetrahydrofuran	6.11	42	64847	0.520	ppbv	97
42) Bromodichloromethane	7.85	83	102226	0.514	ppbv	100
43) Methyl Methacrylate	8.08	69	51392	0.502	ppbv	95

Data File : VL034123.D

Acq On : 5 Sep 2019 4:27

Operator : SY/AP

Sample : VSTDIC0.5

Misc : 400ml/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Quant Time: Sep 05 09:56:36 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL090519AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 05 09:42:59 2019

QLast Update : Thu Sep 05 09:42:59 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.93	57	264512	0.577	ppbv	96
45) t-1,3-Dichloropropene	9.35	75	50841	0.423	ppbv	91
46) cis-1,3-Dichloropropene	8.77	75	68374	0.467	ppbv #	81
47) 1,1,2-Trichloroethane	9.55	97	49092	0.507	ppbv #	84
48) Dibromochloromethane	10.39	129	69918	0.484	ppbv	97
49) Bromoform	13.13	173	49480	0.391	ppbv	89
50) 4-Methyl-2-Pentanone	8.82	43	177732	0.557	ppbv	96
51) 2-Hexanone	10.22	43	64756	0.237	ppbv #	29
52) Tetrachloroethene	11.30	164	19249	0.221	ppbv	92
53) Toluene	9.88	91	151399	0.551	ppbv	93
54) 1,2-Dibromoethane	10.69	107	69280	0.481	ppbv	87
56) 1,1,1,2-Tetrachloroethane	12.21	131	29416	0.311	ppbv #	1
57) Chlorobenzene	12.23	112	112056	0.590	ppbv #	93
58) Ethyl Benzene	12.80	91	122154	0.338	ppbv	94
59) m/p-Xylene	13.08	91	131945	0.448	ppbv #	32
60) o-Xylene	13.78	91	175632	0.598	ppbv	94
61) Styrene	13.61	104	55572	0.253	ppbv #	24
62) Isopropylbenzene	14.76	105	212451	0.556	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.77	83	77432	0.322	ppbv #	53
64) n-propylbenzene	15.66	120	50460	0.519	ppbv #	60
65) tert-Butylbenzene	16.84	119	97332	0.296	ppbv #	13
66) Benzyl Chloride	17.10	91	10505	0.087	ppbv #	64
67) sec-Butylbenzene	17.39	105	151119	0.319	ppbv #	58
69) p-Isopropyltoluene	17.74	119	104830	0.277	ppbv #	44
70) n-Butylbenzene	18.65	91	254141	0.588	ppbv	95
71) 2-Chlorotoluene	15.55	91	176831	0.566	ppbv	98
72) 4-Ethyltoluene	15.93	105	186226	0.562	ppbv	98
73) 1,3,5-Trimethylbenzene	16.09	105	182153	0.565	ppbv	100
74) 1,2,4-Trimethylbenzene	16.86	105	196542	0.592	ppbv #	93
75) 1,3-Dichlorobenzene	17.10	146	54967	0.313	ppbv #	15
76) 1,4-Dichlorobenzene	17.24	146	110068	0.594	ppbv	95
77) 1,2-Dichlorobenzene	17.91	146	45655	0.254	ppbv #	12
78) Hexachloro-1,3-Butadiene	23.47	225	37386	0.305	ppbv #	19
79) Naphthalene	22.33	128	152404	0.508	ppbv	95
80) Naphthalene,2-methyl-	25.06	142	29406	0.282	ppbv	95
81) 1,2,4-Trichlorobenzene	22.05	180	69334	0.425	ppbv #	68

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

Data File : VL034123.D

Acq On : 5 Sep 2019 4:27

Operator : SY/AP

Sample : VSTDICC0.5

Misc : 400mL/MSVOA L

ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

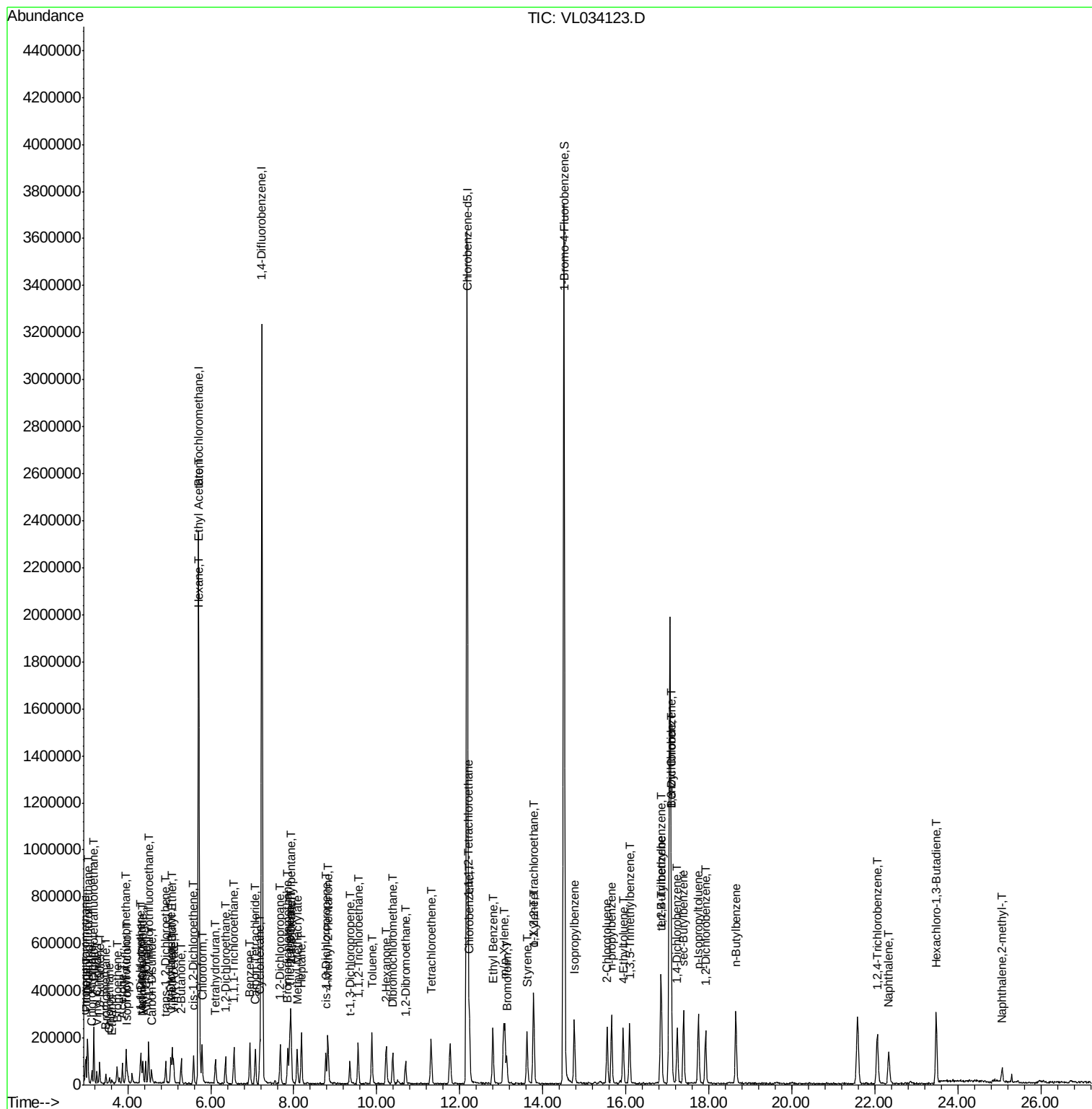
Quant Time: Sep 05 09:56:36 2019

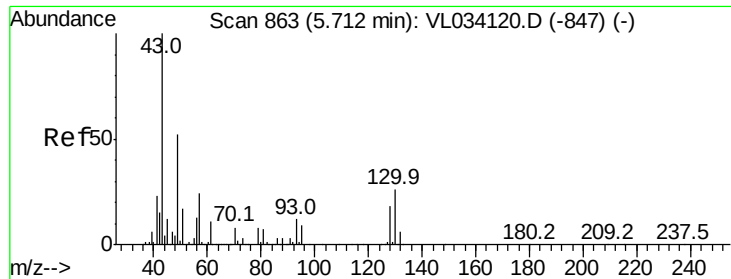
Quant Method : Z:\VOASRV\HPCHEM1\MSV0A_L\METHODS\VL090519AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Thu Sep 05 09:42:59 2019

QLast Update : Thu Sep 05 09:42:59 2019

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.71 min Scan# 861

Delta R.T. -0.01 min

Lab File: VL034123.D

Acq: 5 Sep 2019 4:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

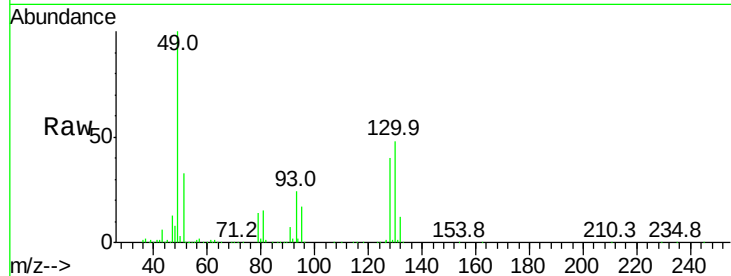
Tgt Ion: 49 Resp: 1189515

Ion Ratio Lower Upper

49 100

128 37.4 18.4 55.0

130 48.0 23.5 70.6

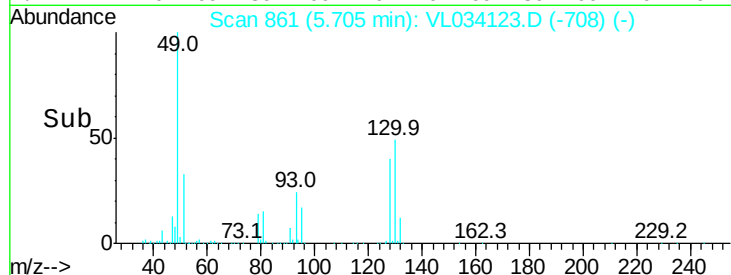


Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

Time-->



5.71

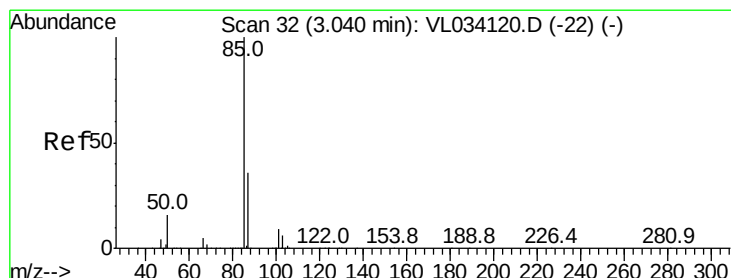
600000

400000

200000

0

5.65 5.70 5.75 5.80



#2

Dichlorodifluoromethane

Concen: 0.596 ppbv

RT: 3.04 min Scan# 32

Delta R.T. -0.00 min

Lab File: VL034123.D

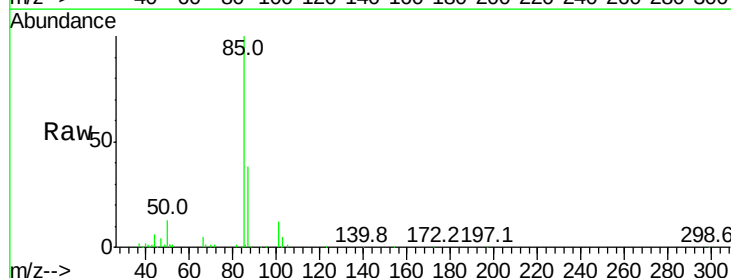
Acq: 5 Sep 2019 4:27

Tgt Ion: 85 Resp: 117004

Ion Ratio Lower Upper

85 100

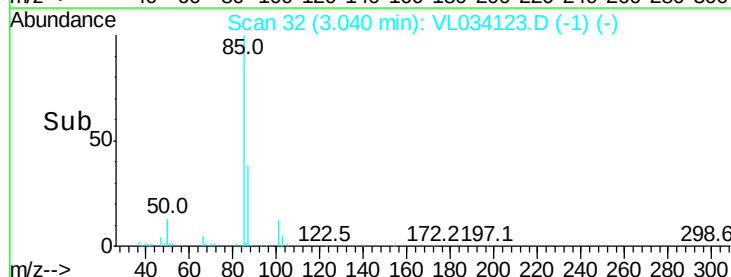
87 38.2 28.6 43.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

Time-->



100000

80000

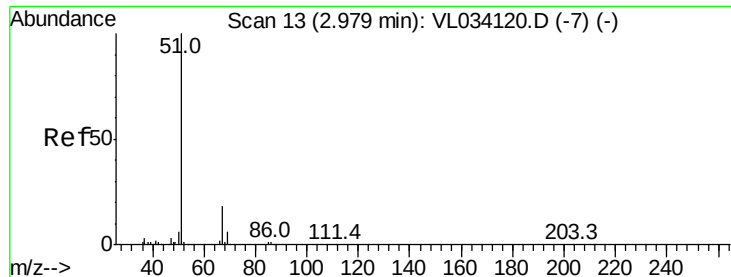
60000

40000

20000

0

3.00 3.05



#3

Chlorodifluoromethane

Concen: 0.545 ppbv

RT: 2.98 min Scan# 13

Delta R.T. -0.00 min

Lab File: VL034123.D

Acq: 5 Sep 2019 4:27

Instrument :

MSVOA_L

ClientSampleId :

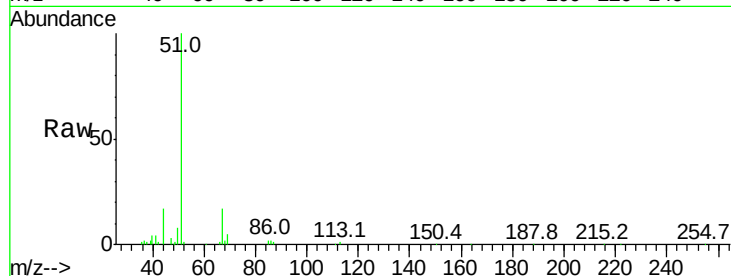
VSTDIC0.5

Tgt Ion: 51 Resp: 72202

Ion Ratio Lower Upper

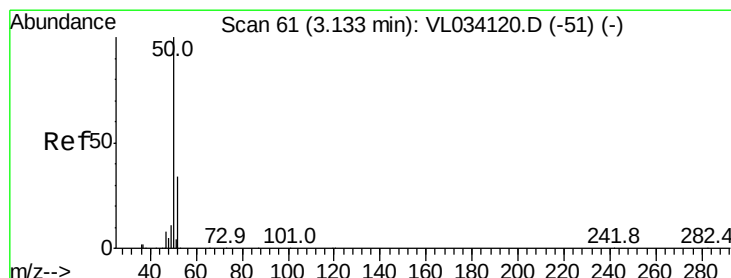
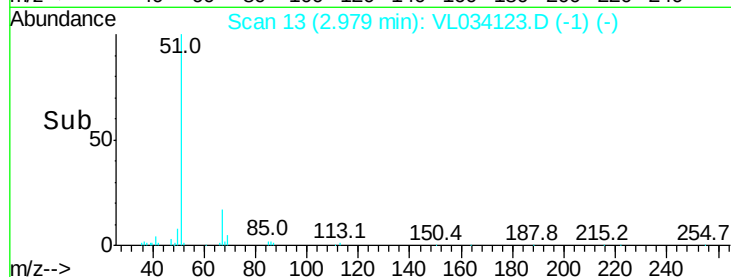
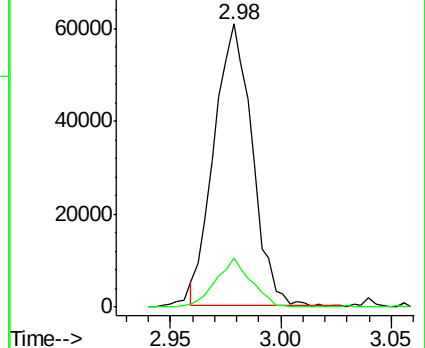
51 100

67 15.9 14.2 21.4



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.528 ppbv

RT: 3.13 min Scan# 61

Delta R.T. -0.00 min

Lab File: VL034123.D

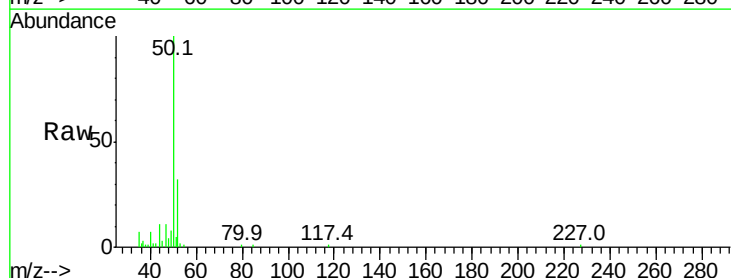
Acq: 5 Sep 2019 4:27

Tgt Ion: 50 Resp: 43732

Ion Ratio Lower Upper

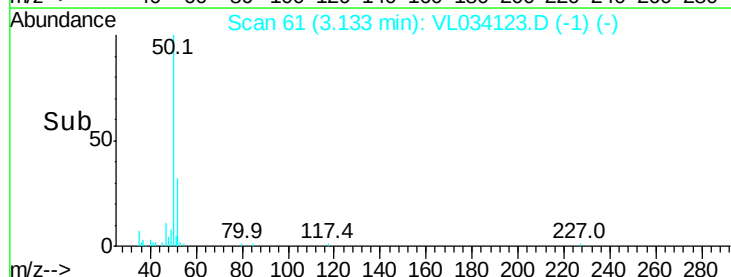
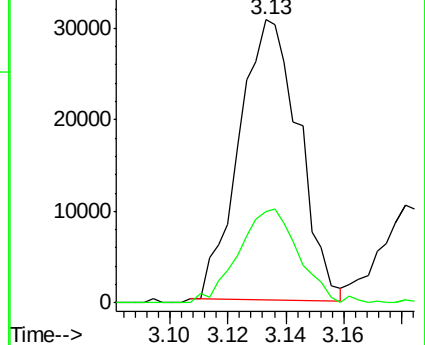
50 100

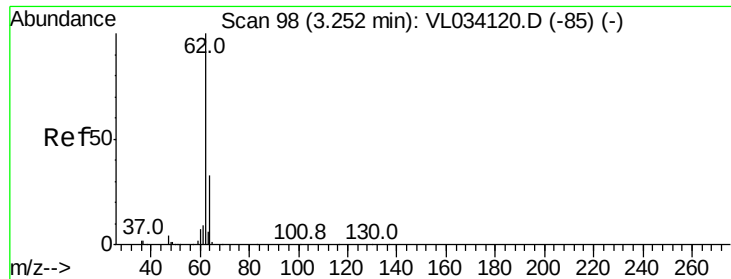
52 32.9 27.4 41.2



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.496 ppbv

RT: 3.25 min Scan# 98

Delta R.T. -0.00 min

Lab File: VL034123.D

Acq: 5 Sep 2019 4:27

Instrument :

MSVOA_L

ClientSampleId :

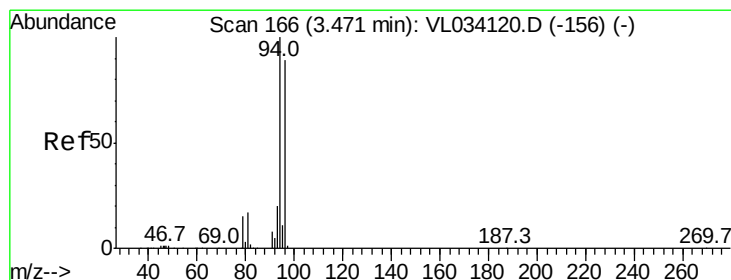
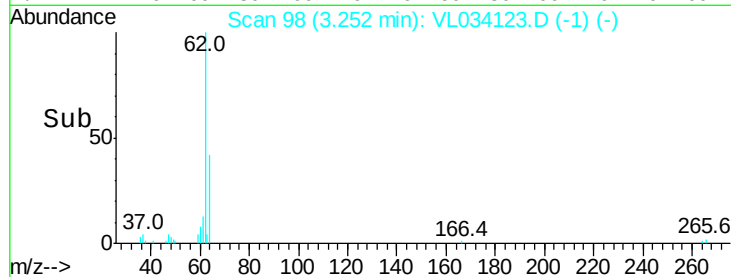
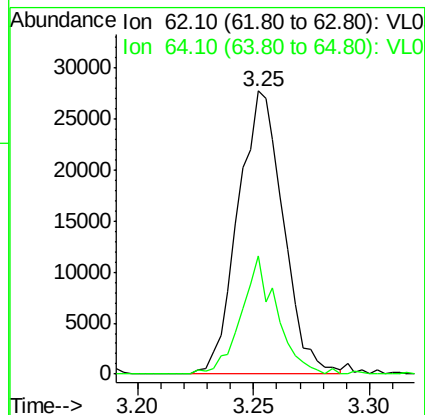
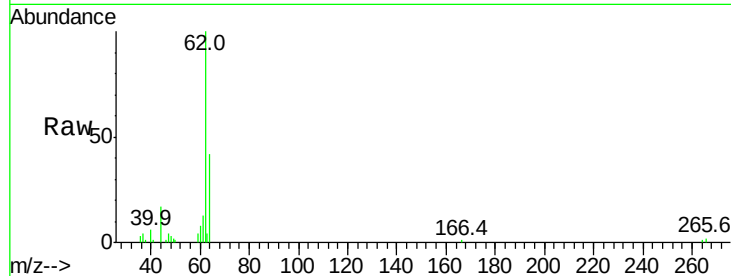
VSTDIC0.5

Tgt Ion: 62 Resp: 37434

Ion Ratio Lower Upper

62 100

64 41.9 26.6 39.8#



#6

Bromomethane

Concen: 0.482 ppbv

RT: 3.47 min Scan# 167

Delta R.T. 0.00 min

Lab File: VL034123.D

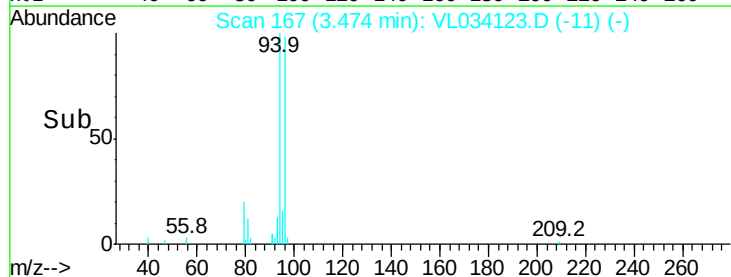
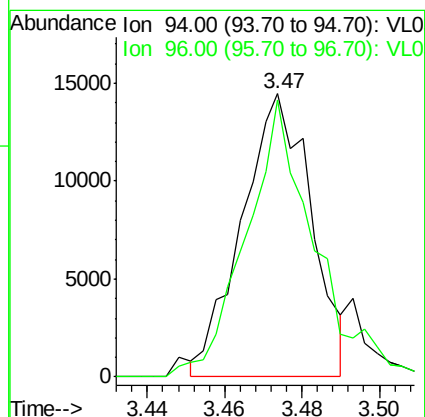
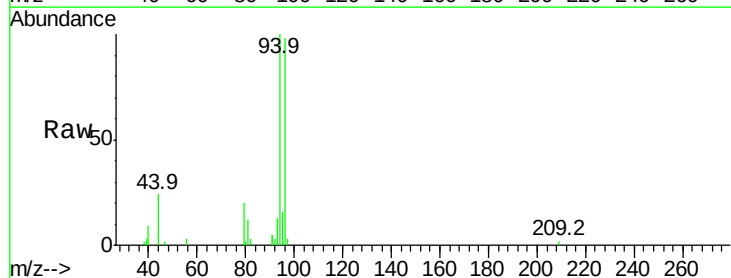
Acq: 5 Sep 2019 4:27

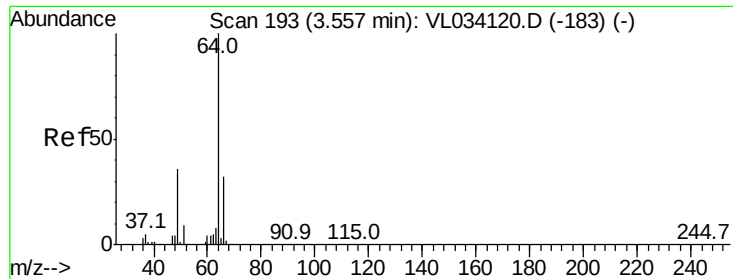
Tgt Ion: 94 Resp: 17973

Ion Ratio Lower Upper

94 100

96 98.5 71.4 107.0





#7

Chloroethane

Concen: 0.179 ppbv

RT: 3.55 min Scan# 191

Delta R.T. -0.01 min

Lab File: VL034123.D

Acq: 5 Sep 2019 4:27

Instrument :

MSVOA_L

ClientSampleId :

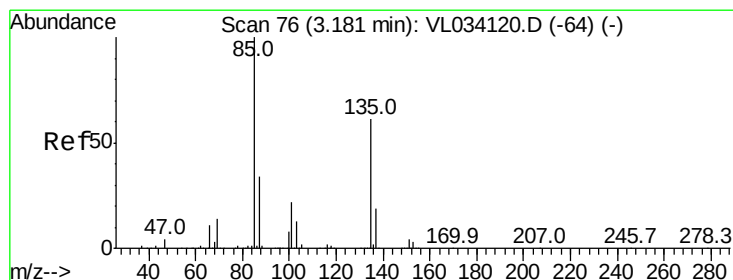
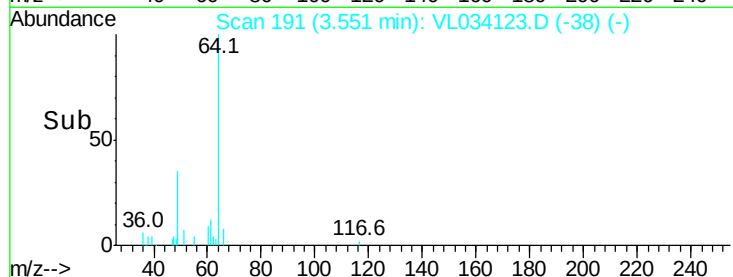
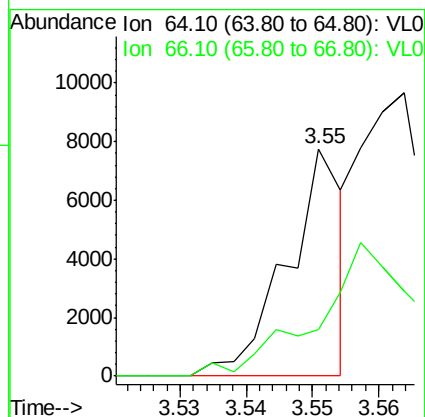
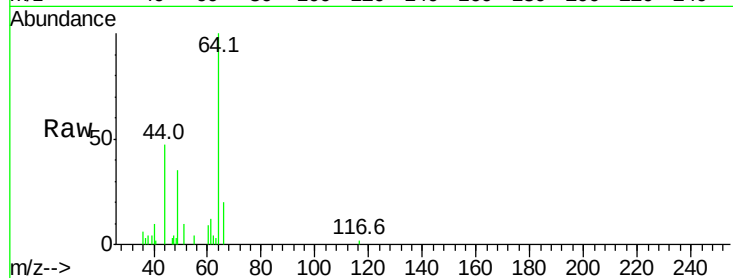
VSTDIC0.5

Tgt Ion: 64 Resp: 4598

Ion Ratio Lower Upper

64 100

66 20.3 25.4 38.2#



#8

Dichlorotetrafluoroethane

Concen: 0.552 ppbv

RT: 3.18 min Scan# 77

Delta R.T. 0.00 min

Lab File: VL034123.D

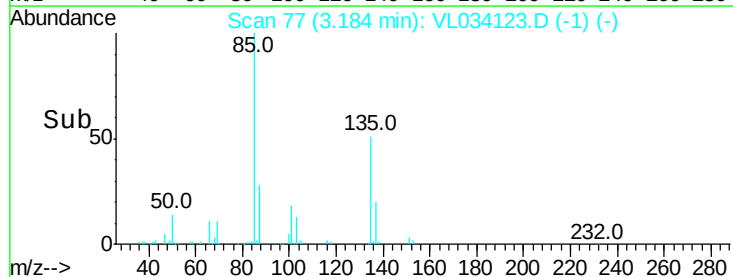
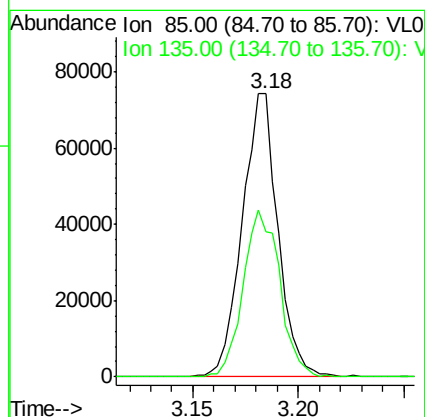
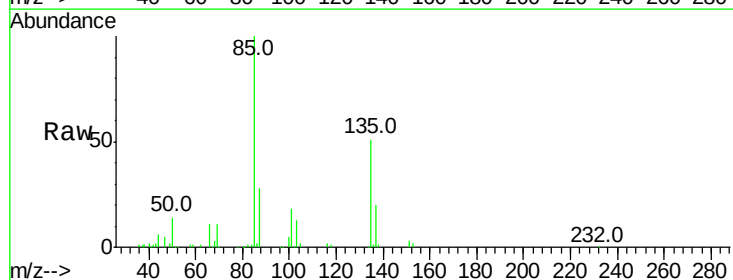
Acq: 5 Sep 2019 4:27

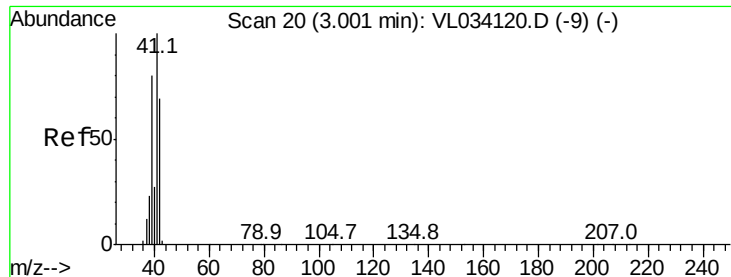
Tgt Ion: 85 Resp: 87178

Ion Ratio Lower Upper

85 100

135 60.6 48.0 72.0





#9

Propene

Concen: 0.541 ppbv

RT: 3.00 min Scan# 21

Delta R.T. 0.00 min

Lab File: VL034123.D

Acq: 5 Sep 2019 4:27

Instrument :

MSVOA_L

ClientSampleId :

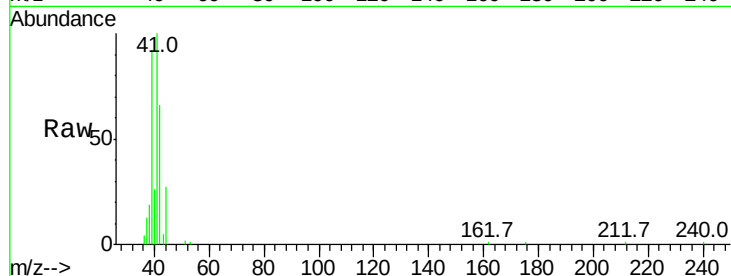
VSTDIC0.5

Tgt Ion: 41 Resp: 40134

Ion Ratio Lower Upper

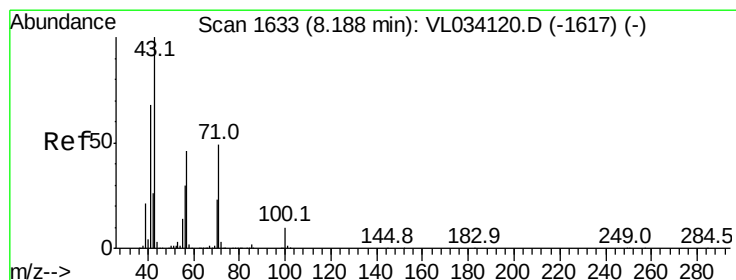
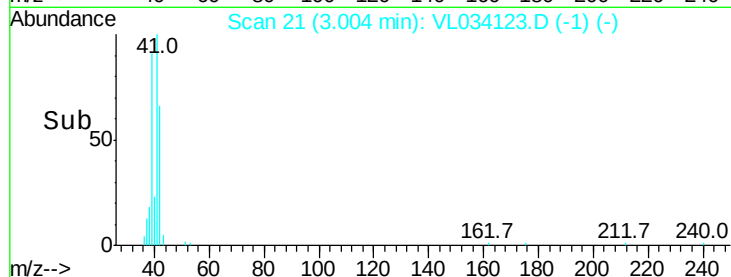
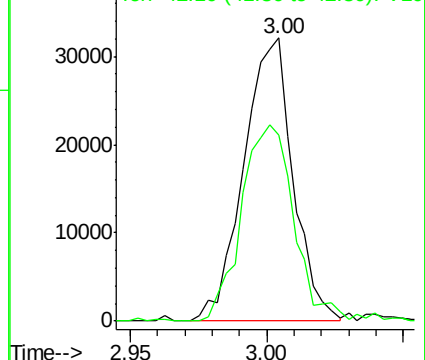
41 100

42 74.8 54.6 81.8



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 0.534 ppbv

RT: 8.19 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VL034123.D

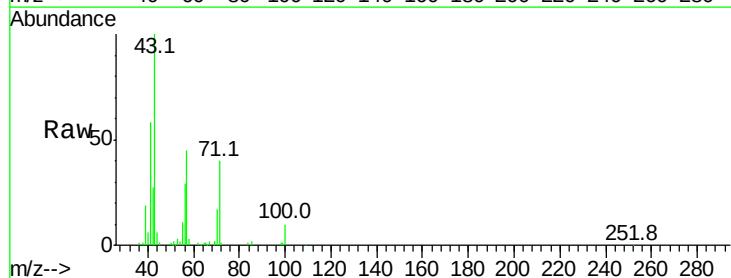
Acq: 5 Sep 2019 4:27

Tgt Ion: 43 Resp: 102752

Ion Ratio Lower Upper

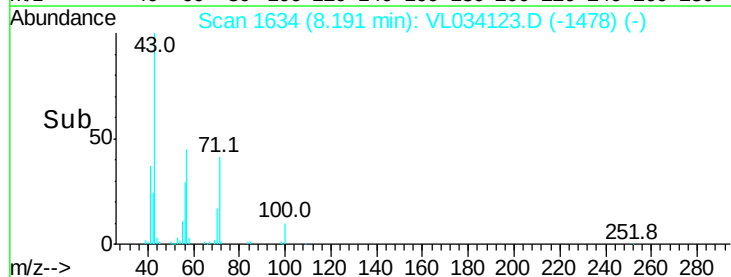
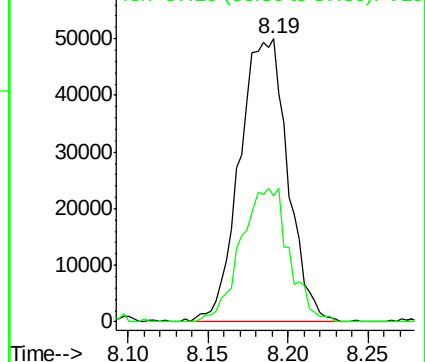
43 100

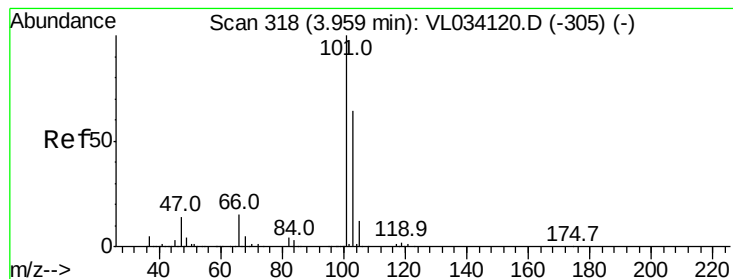
57 47.4 38.1 57.1



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 0.550 ppbv

RT: 3.96 min Scan# 318

Delta R.T. -0.00 min

Lab File: VL034123.D

Acq: 5 Sep 2019 4:27

Instrument :

MSVOA_L

ClientSampleId :

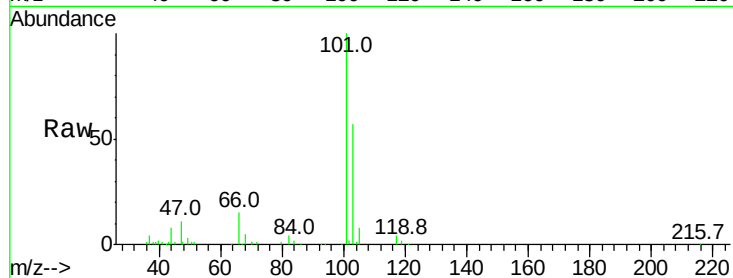
VSTDIC0.5

Tgt Ion:101 Resp: 87954

Ion Ratio Lower Upper

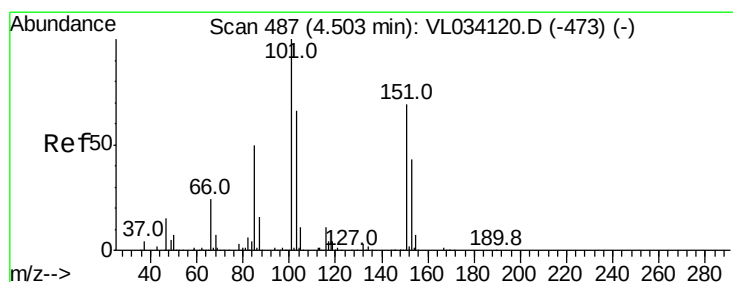
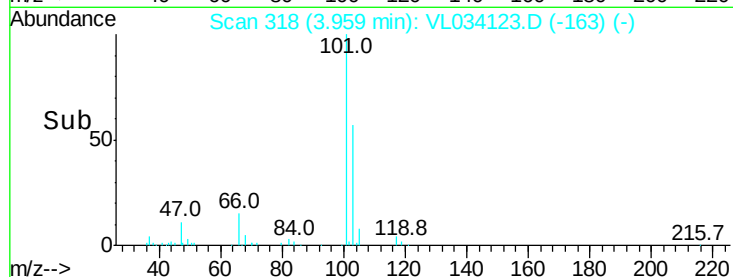
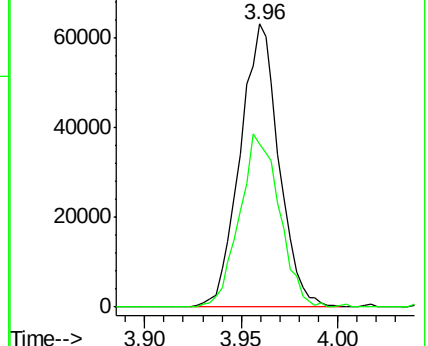
101 100

103 57.4 51.4 77.2



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: 0.543 ppbv

RT: 4.51 min Scan# 488

Delta R.T. 0.00 min

Lab File: VL034123.D

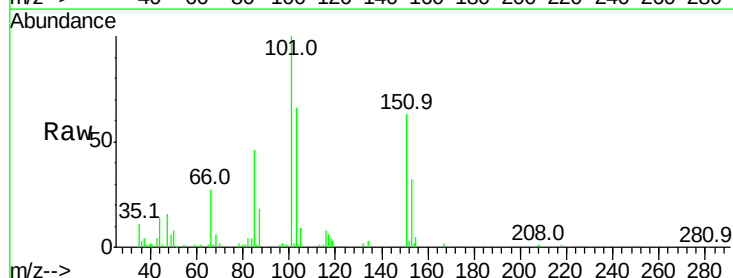
Acq: 5 Sep 2019 4:27

Tgt Ion:101 Resp: 58077

Ion Ratio Lower Upper

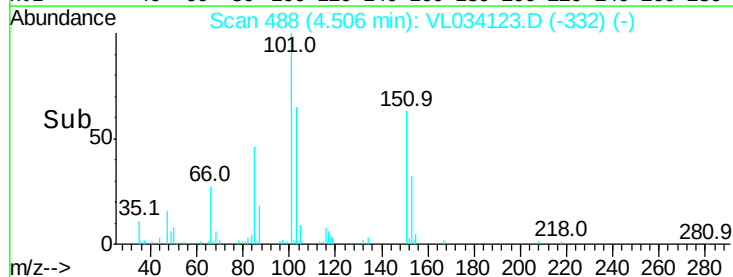
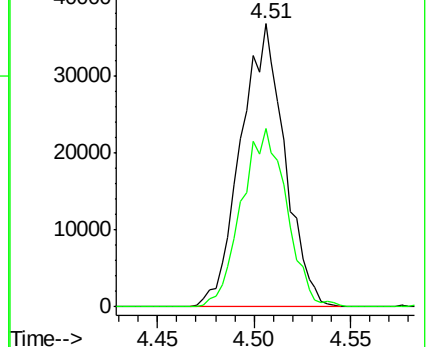
101 100

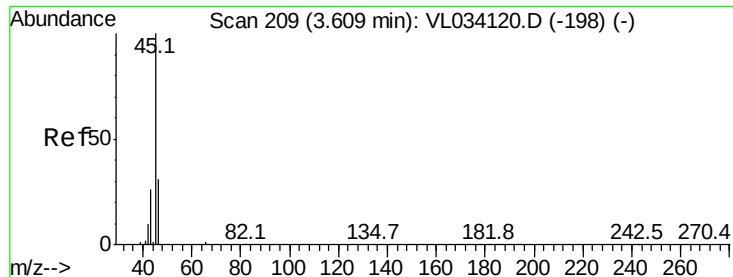
151 64.3 53.0 79.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 0.353 ppbv

RT: 3.61 min Scan# 210

Delta R.T. 0.00 min

Lab File: VL034123.D

Acq: 5 Sep 2019 4:27

Instrument :

MSVOA_L

ClientSampleId :

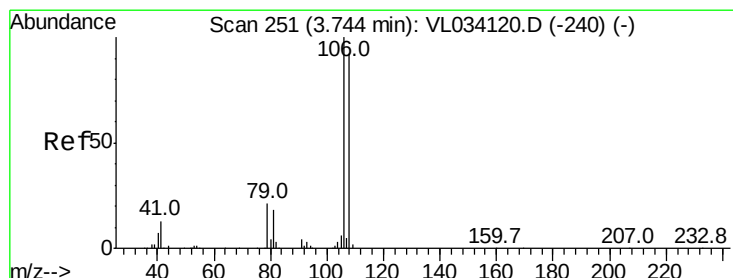
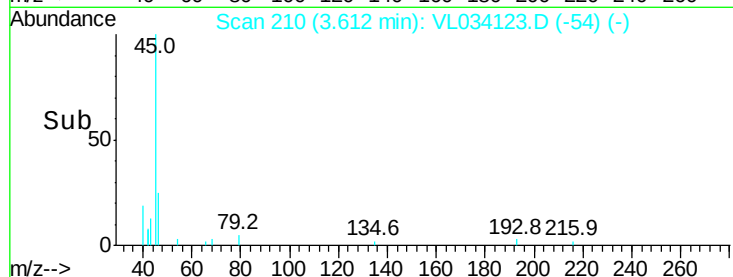
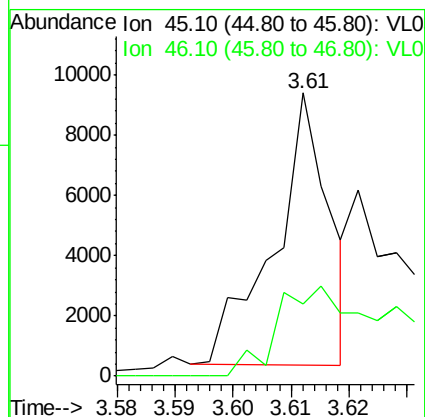
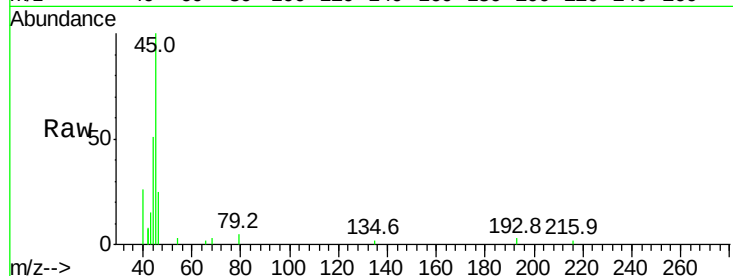
VSTDIC0.5

Tgt Ion: 45 Resp: 5934

Ion Ratio Lower Upper

45 100

46 80.1 15.0 60.0#



#14

Bromoethene

Concen: 0.446 ppbv

RT: 3.75 min Scan# 252

Delta R.T. 0.00 min

Lab File: VL034123.D

Acq: 5 Sep 2019 4:27

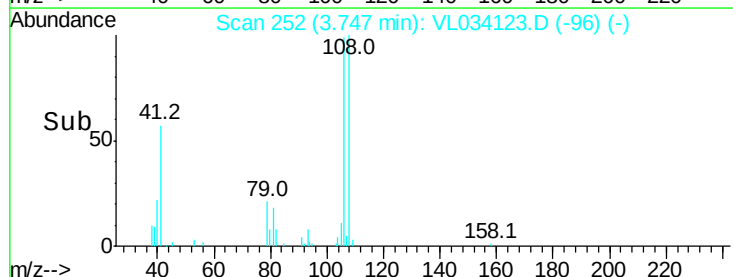
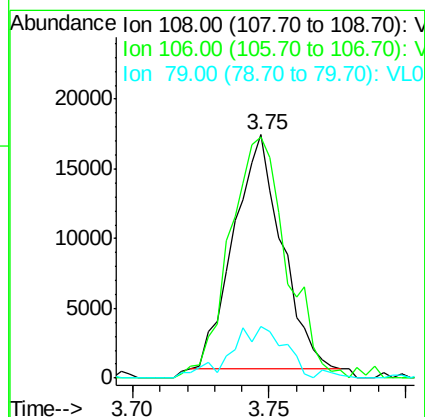
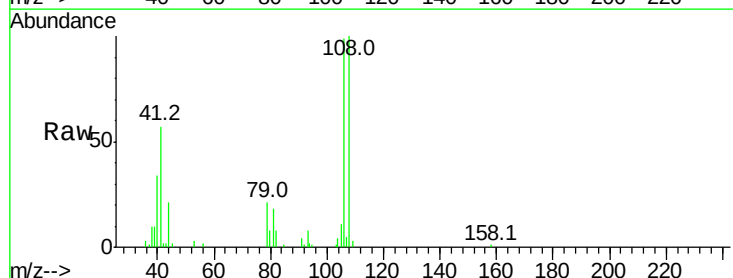
Tgt Ion: 108 Resp: 20651

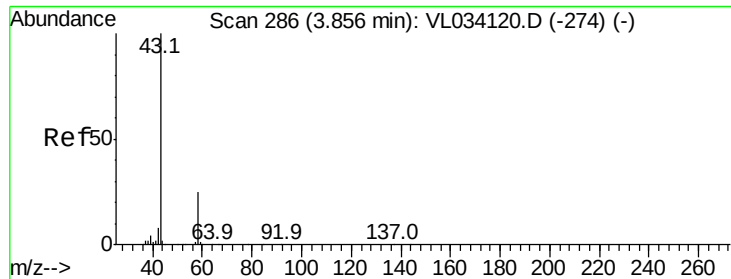
Ion Ratio Lower Upper

108 100

106 123.0 87.2 130.8

79 26.2 16.5 24.7#





#15

Acetone

Concen: 0.565 ppbv

RT: 3.87 min Scan# 289

Delta R.T. 0.01 min

Lab File: VL034123.D

Acq: 5 Sep 2019 4:27

Instrument :

MSVOA_L

ClientSampleId :

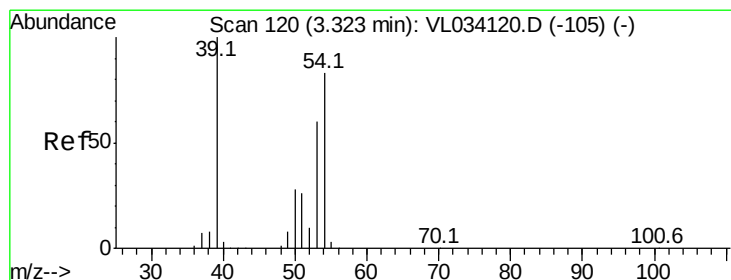
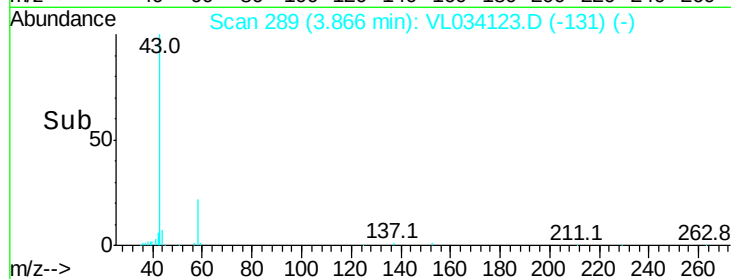
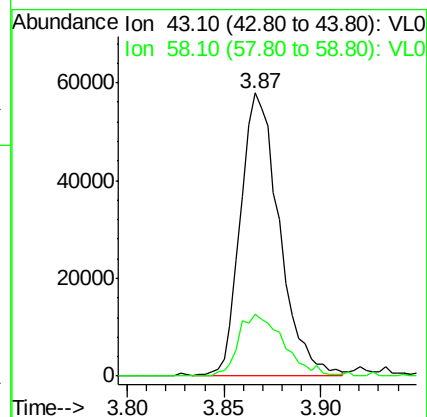
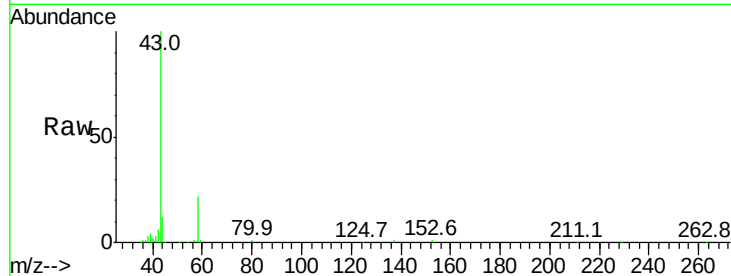
VSTDIC0.5

Tgt Ion: 43 Resp: 81023

Ion Ratio Lower Upper

43 100

58 25.9 20.6 30.8



#16

1,3-Butadiene

Concen: 0.514 ppbv

RT: 3.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VL034123.D

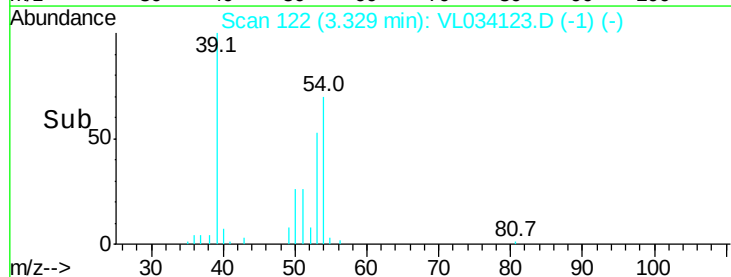
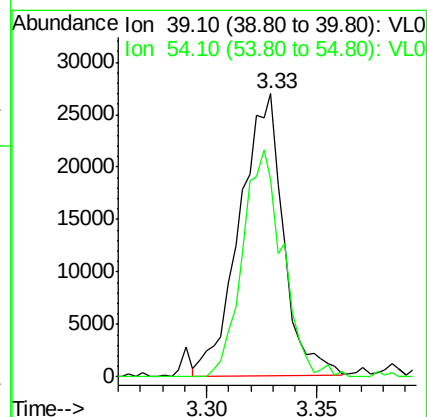
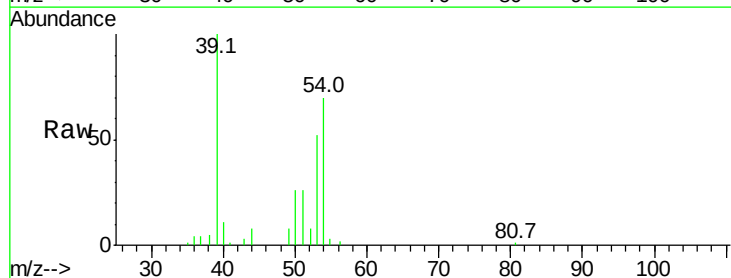
Acq: 5 Sep 2019 4:27

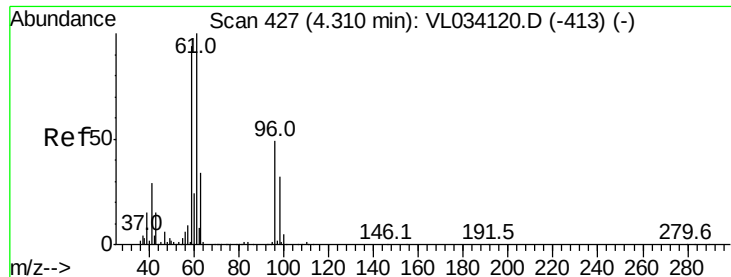
Tgt Ion: 39 Resp: 37288

Ion Ratio Lower Upper

39 100

54 73.4 63.5 95.3





#17

tert-Butyl alcohol

Concen: 0.556 ppbv

RT: 4.33 min Scan# 433

Delta R.T. 0.02 min

Lab File: VL034123.D

Acq: 5 Sep 2019 4:27

Instrument :

MSVOA_L

ClientSampleId :

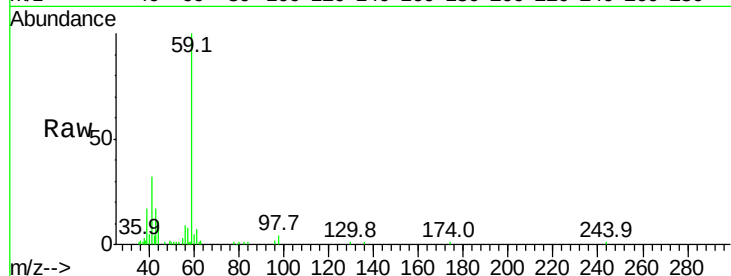
VSTDIC0.5

Tgt Ion: 59 Resp: 57857

Ion Ratio Lower Upper

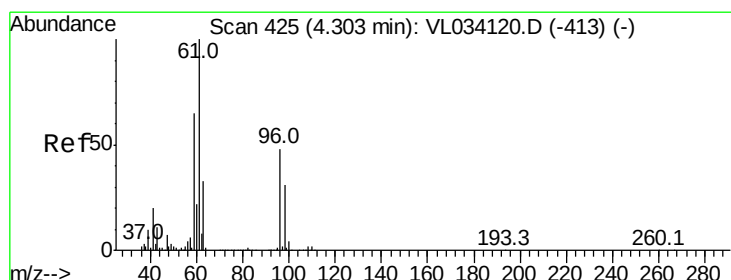
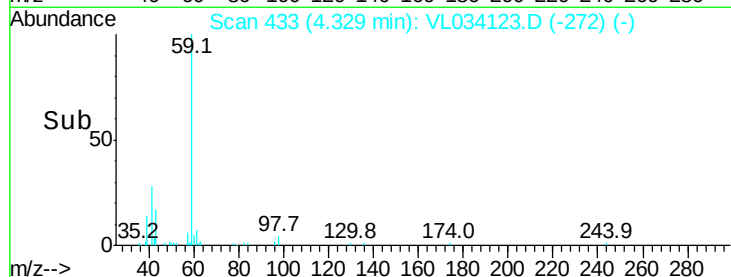
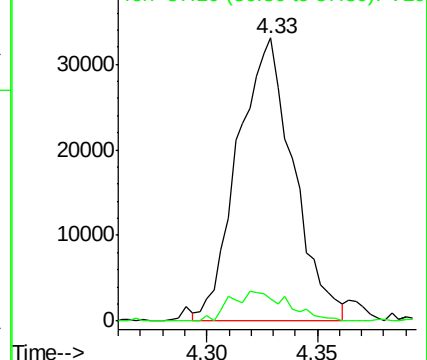
59 100

57 10.9 8.6 12.8



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene

Concen: 0.244 ppbv

RT: 4.30 min Scan# 424

Delta R.T. -0.00 min

Lab File: VL034123.D

Acq: 5 Sep 2019 4:27

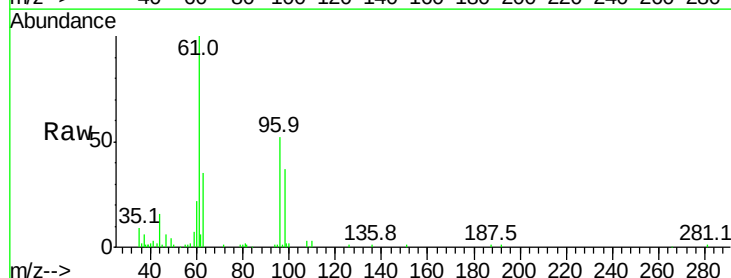
Tgt Ion: 96 Resp: 11927

Ion Ratio Lower Upper

96 100

61 189.8 165.8 248.8

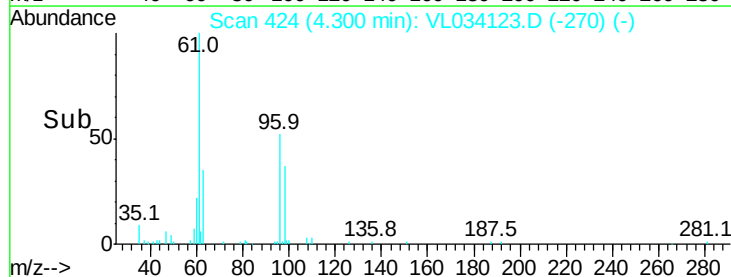
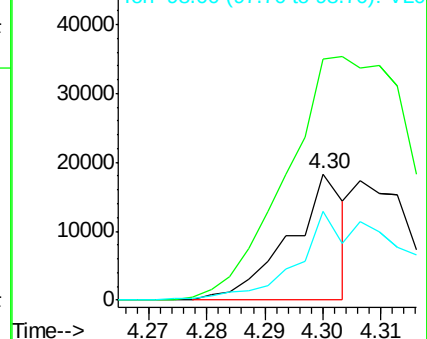
98 69.2 50.8 76.2

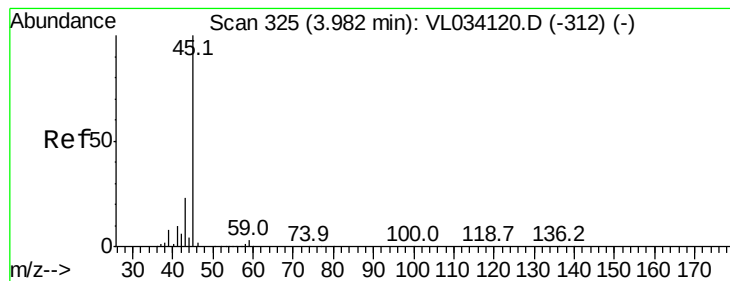


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#19

Isopropyl Alcohol

Concen: 0.237 ppbv

RT: 3.98 min Scan# 326

Delta R.T. 0.00 min

Lab File: VL034123.D

Acq: 5 Sep 2019 4:27

Instrument :

MSVOA_L

ClientSampleId :

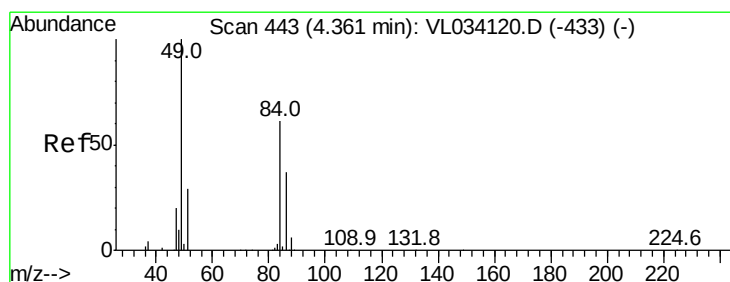
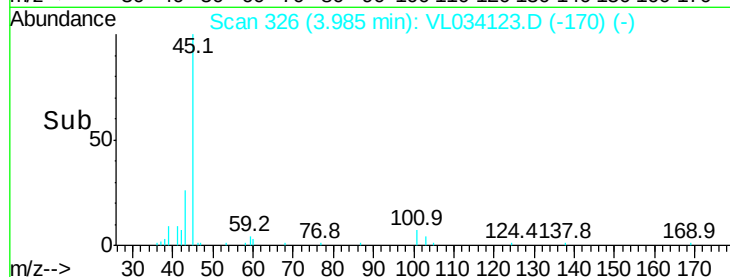
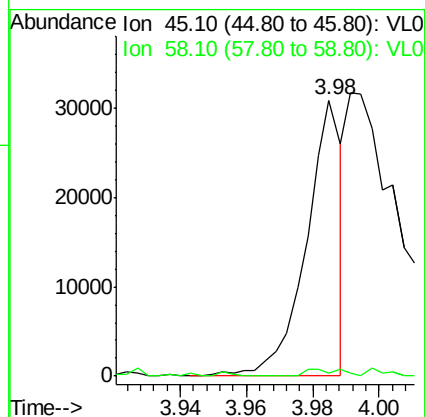
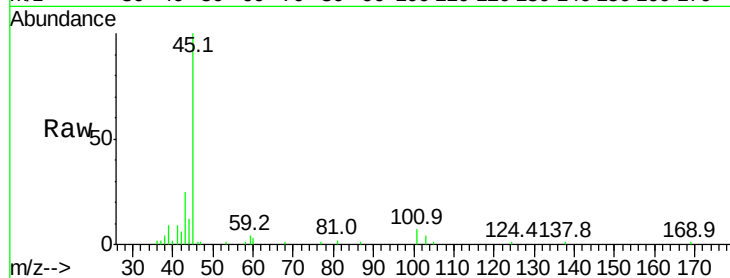
VSTDIC0.5

Tgt Ion: 45 Resp: 22911

Ion Ratio Lower Upper

45 100

58 0.0 1.0 1.6#



#20

Methylene Chloride

Concen: 0.555 ppbv

RT: 4.36 min Scan# 444

Delta R.T. 0.00 min

Lab File: VL034123.D

Acq: 5 Sep 2019 4:27

Tgt Ion: 84 Resp: 26294

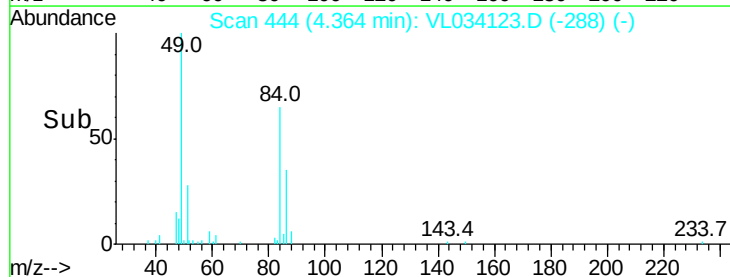
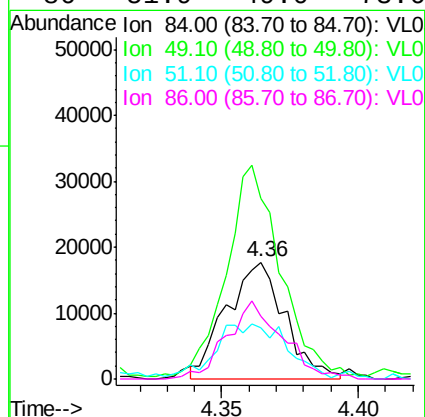
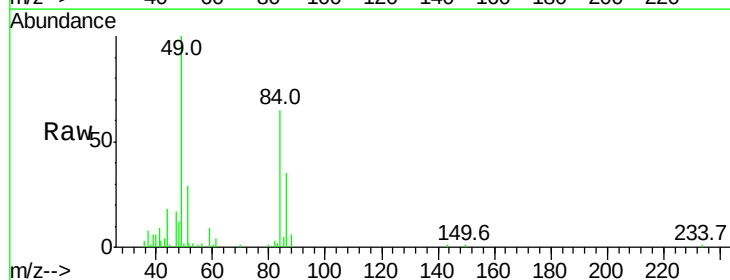
Ion Ratio Lower Upper

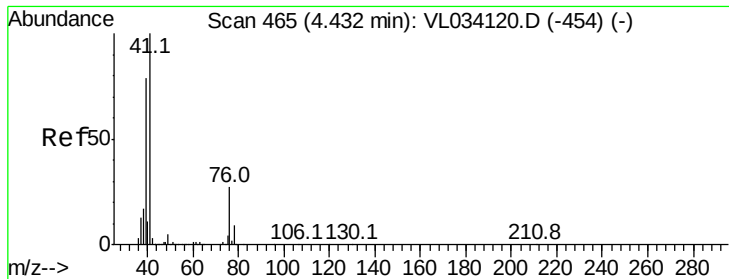
84 100

49 151.1 131.0 196.6

51 44.2 38.1 57.1

86 51.9 49.0 73.6





#21

Allyl Chloride

Concen: 0.513 ppbv

RT: 4.43 min Scan# 465

Delta R.T. -0.00 min

Lab File: VL034123.D

Acq: 5 Sep 2019 4:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

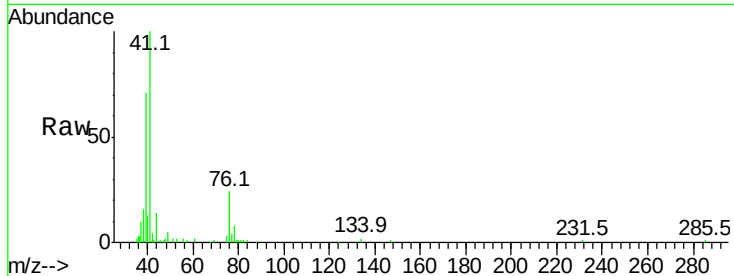
Tgt Ion: 41 Resp: 48530

Ion Ratio Lower Upper

41 100

76 26.0 21.6 32.4

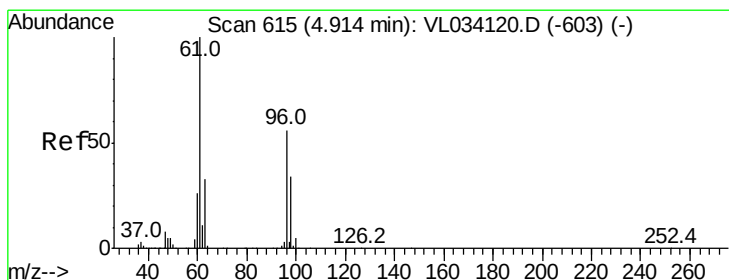
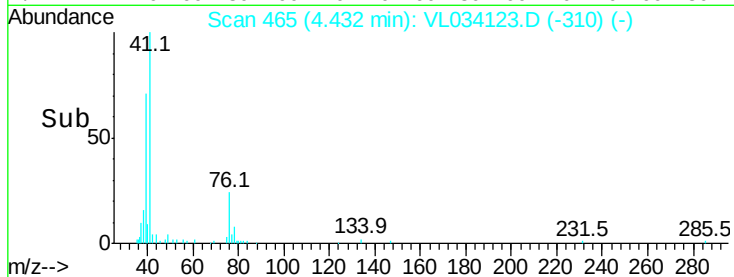
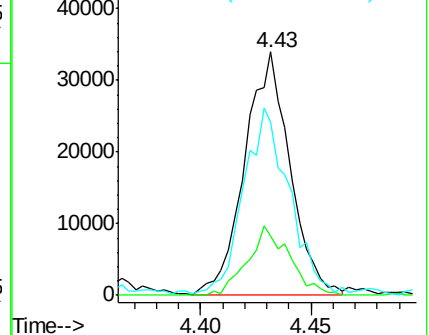
39 82.0 65.0 97.4



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: 0.505 ppbv

RT: 4.91 min Scan# 614

Delta R.T. -0.00 min

Lab File: VL034123.D

Acq: 5 Sep 2019 4:27

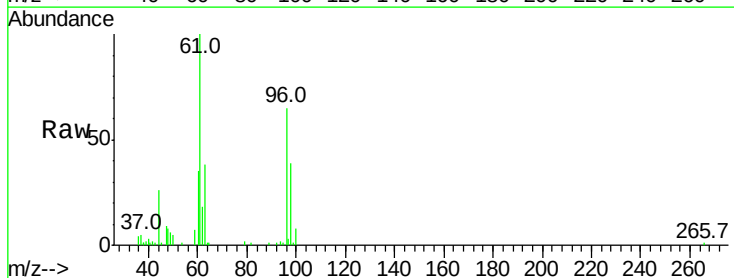
Tgt Ion: 96 Resp: 24710

Ion Ratio Lower Upper

96 100

61 149.6 143.1 214.7

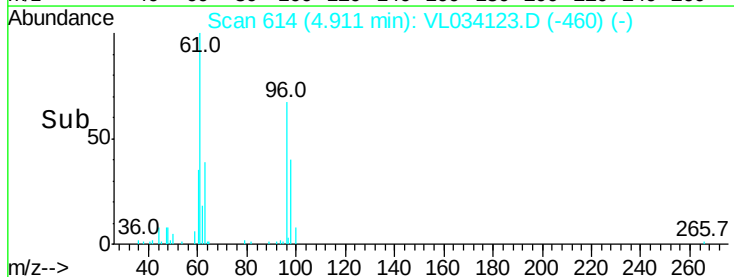
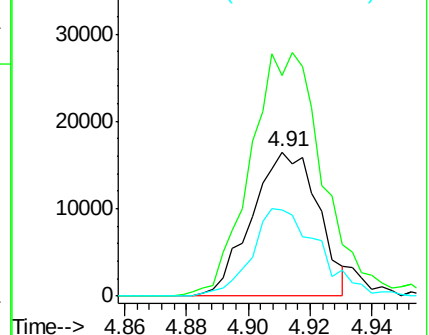
98 60.1 49.0 73.4

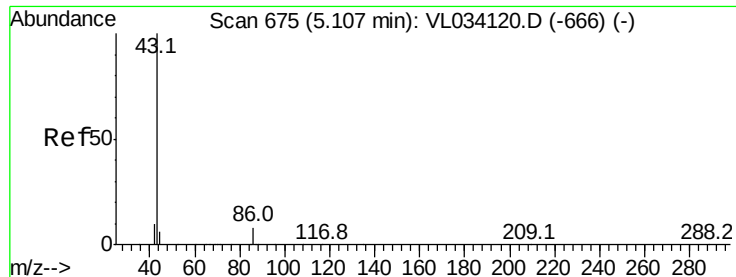


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 0.518 ppbv

RT: 5.10 min Scan# 674

Delta R.T. -0.00 min

Lab File: VL034123.D

Acq: 5 Sep 2019 4:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion: 43 Resp: 126073

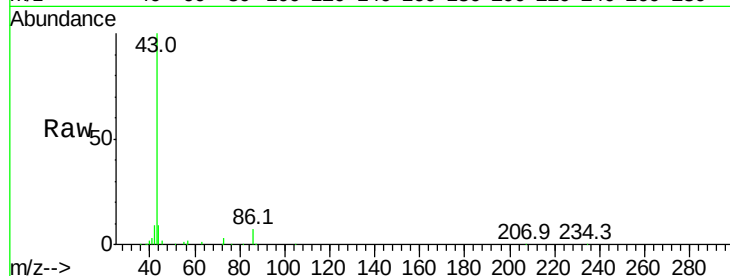
Ion Ratio Lower Upper

43 100

86 7.5 5.5 8.3

42 8.3 8.2 12.4

44 5.2 4.3 6.5

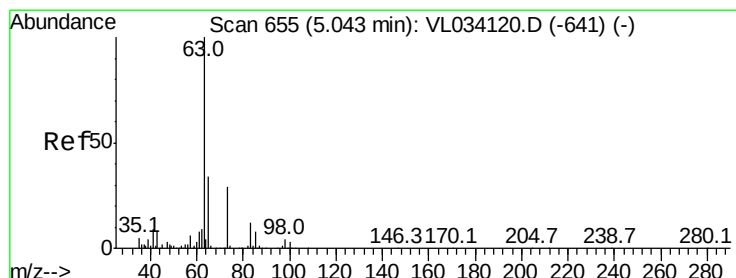
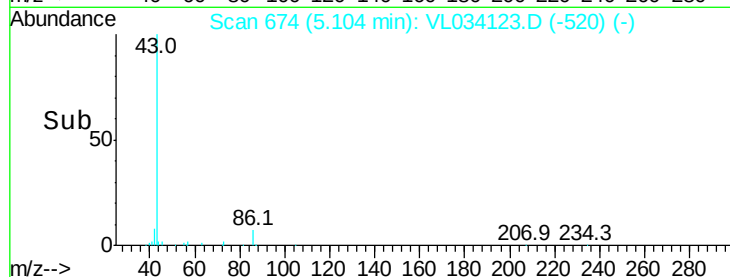
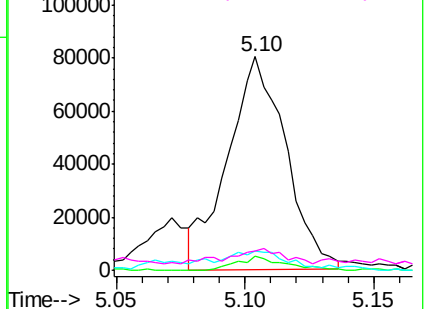


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.546 ppbv

RT: 5.04 min Scan# 653

Delta R.T. -0.01 min

Lab File: VL034123.D

Acq: 5 Sep 2019 4:27

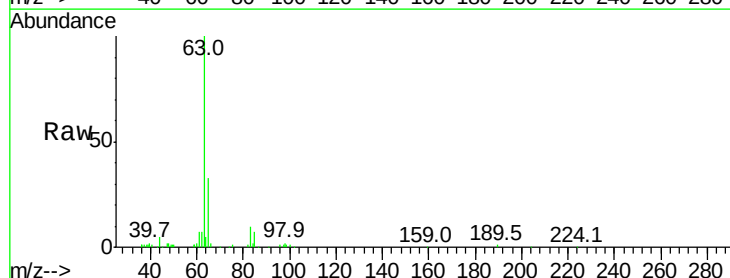
Tgt Ion: 63 Resp: 88095

Ion Ratio Lower Upper

63 100

98 2.6 2.1 6.2

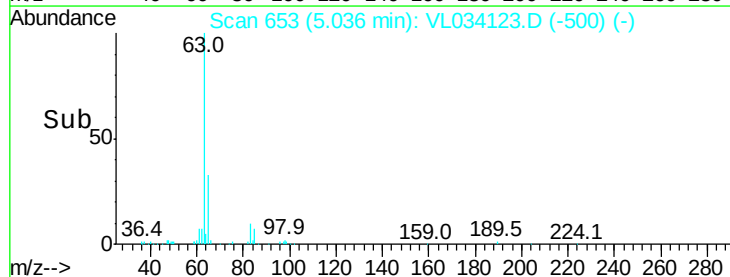
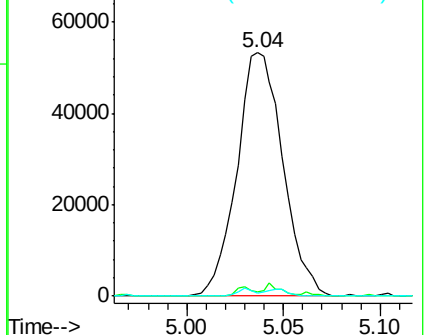
100 1.3 1.4 4.0#

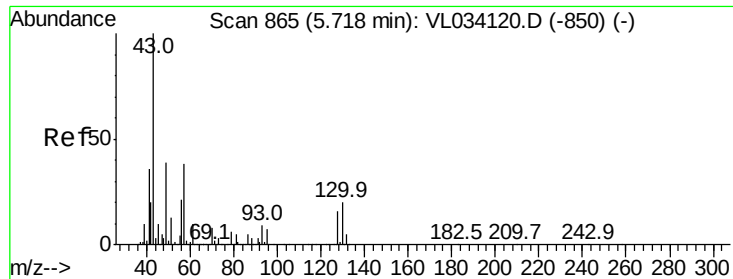


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

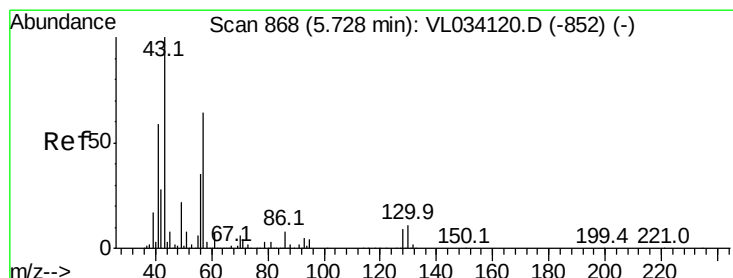
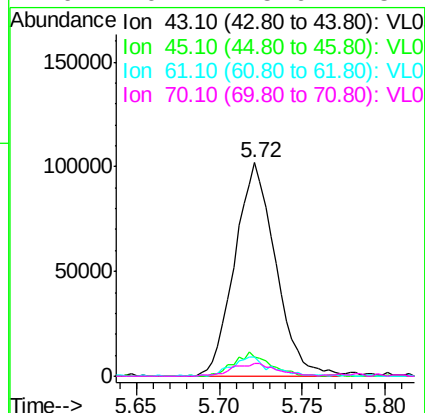
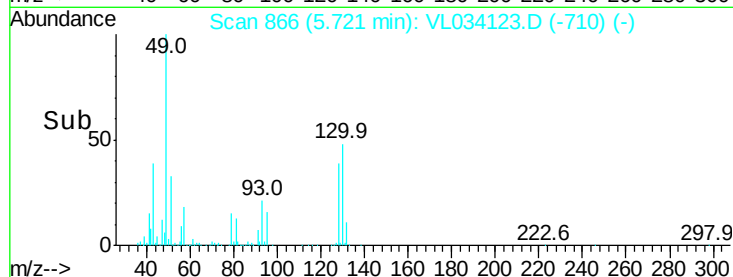
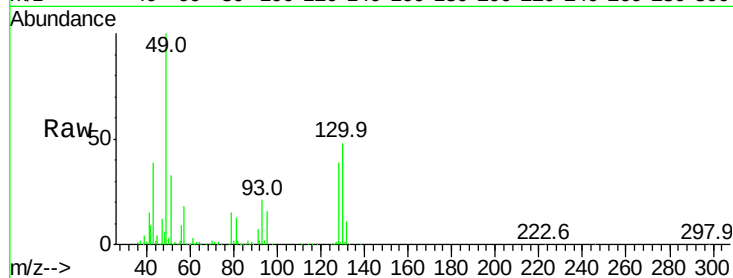




#25
Ethyl Acetate
Concen: 0.555 ppbv
RT: 5.72 min Scan# 866
Delta R.T. 0.00 min
Lab File: VL034123.D
Acq: 5 Sep 2019 4:27

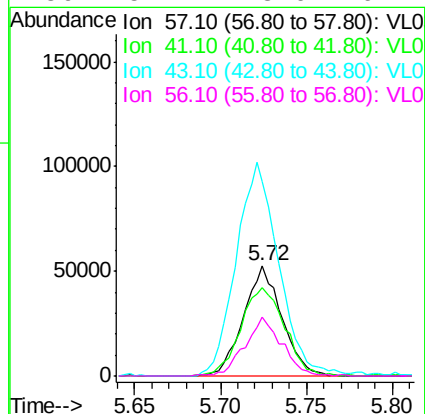
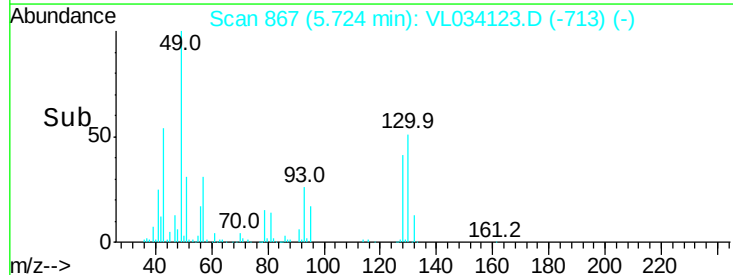
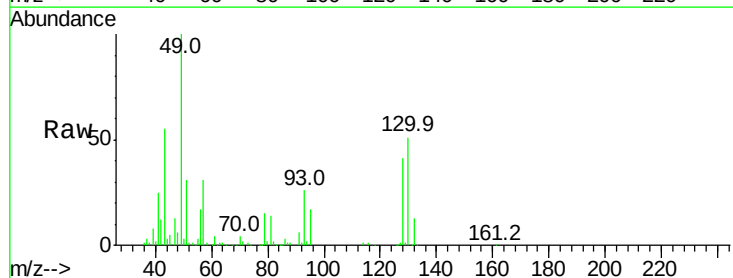
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

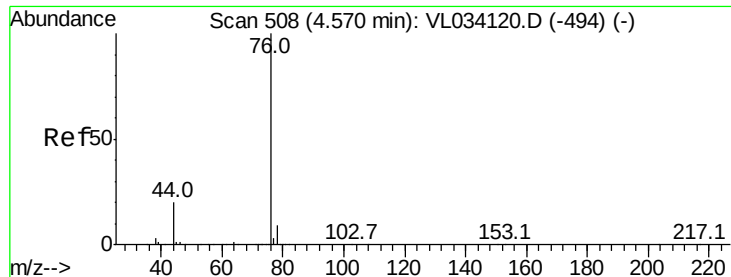
Tgt Ion:	43	Resp:	174631
Ion	Ratio	Lower	Upper
43	100		
45	10.2	8.2	12.4
61	9.2	7.4	11.2
70	6.7	5.6	8.4



#26
Hexane
Concen: 0.581 ppbv
RT: 5.72 min Scan# 867
Delta R.T. -0.00 min
Lab File: VL034123.D
Acq: 5 Sep 2019 4:27

Tgt Ion:	57	Resp:	81308
Ion	Ratio	Lower	Upper
57	100		
41	92.8	76.6	115.0
43	218.3	189.2	283.8
56	51.7	43.0	64.4





#27

Carbon Disulfide

Concen: 0.458 ppbv

RT: 4.57 min Scan# 509

Delta R.T. 0.00 min

Lab File: VL034123.D

Acq: 5 Sep 2019 4:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

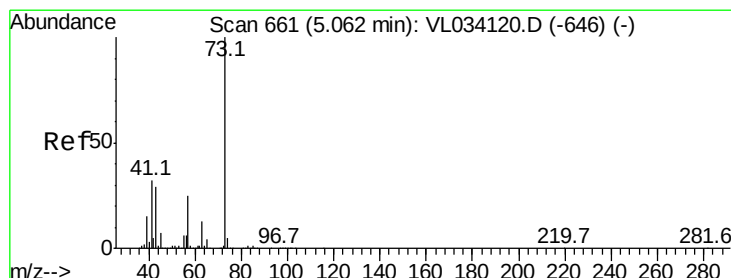
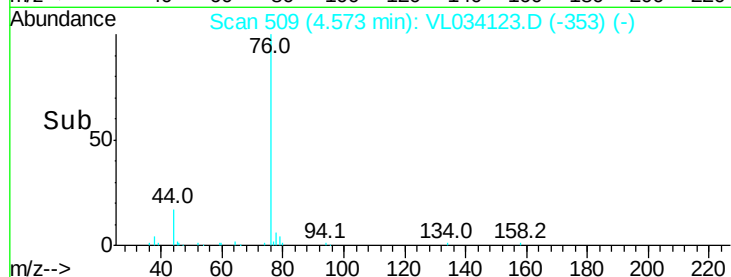
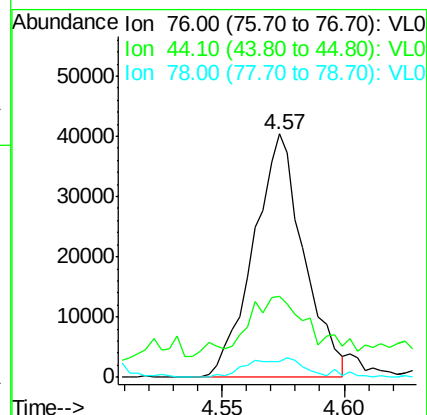
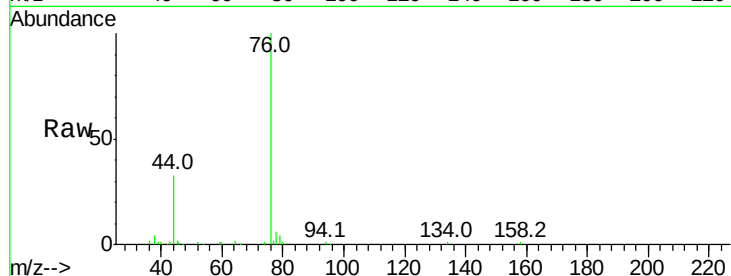
Tgt Ion: 76 Resp: 57677

Ion Ratio Lower Upper

76 100

44 40.9 17.6 26.4#

78 9.9 7.3 10.9



#28

Methyl tert-Butyl Ether

Concen: 0.522 ppbv

RT: 5.07 min Scan# 665

Delta R.T. 0.01 min

Lab File: VL034123.D

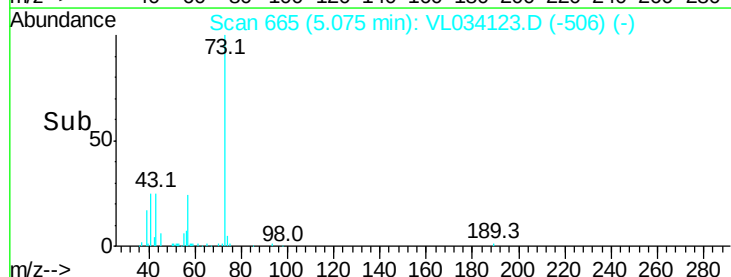
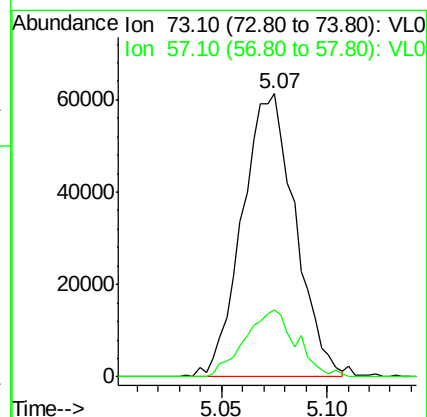
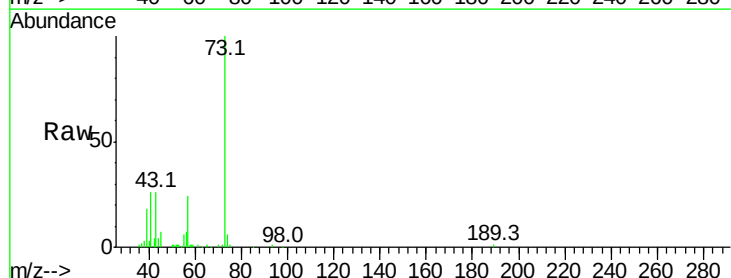
Acq: 5 Sep 2019 4:27

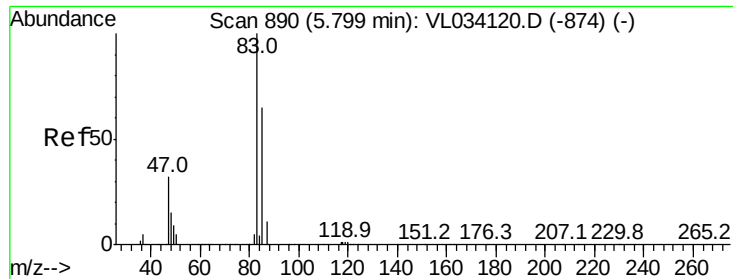
Tgt Ion: 73 Resp: 107063

Ion Ratio Lower Upper

73 100

57 23.1 19.8 29.8





#29

Chloroform

Concen: 0.546 ppbv

RT: 5.79 min Scan# 886

Delta R.T. -0.01 min

Lab File: VL034123.D

Acq: 5 Sep 2019 4:27

Instrument :

MSVOA_L

ClientSampleId :

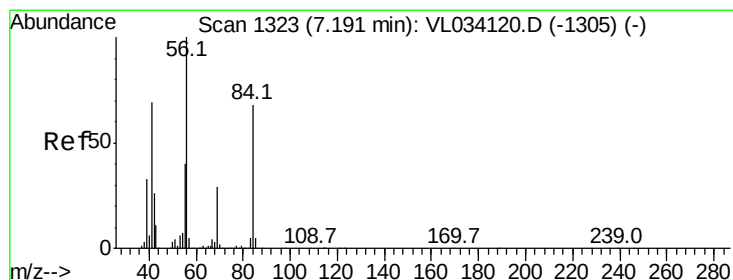
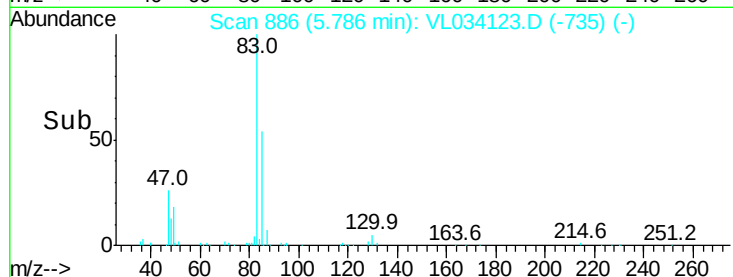
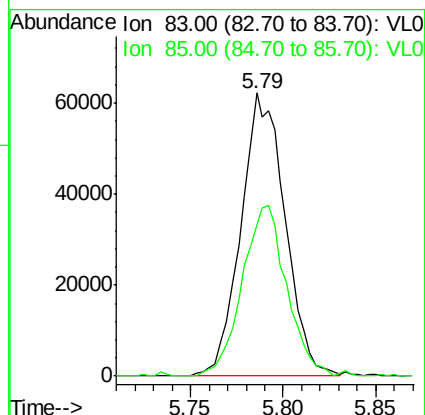
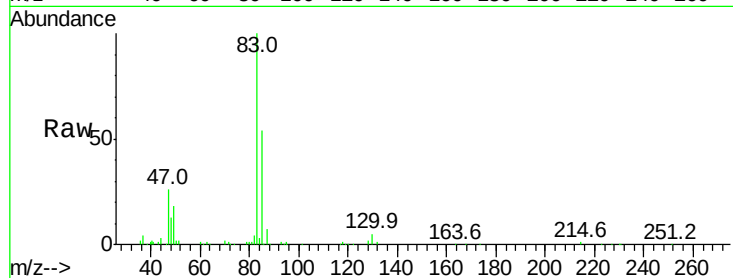
VSTDIC0.5

Tgt Ion: 83 Resp: 103128

Ion Ratio Lower Upper

83 100

85 53.6 51.8 77.6



#30

Cyclohexane

Concen: 0.521 ppbv

RT: 7.18 min Scan# 1321

Delta R.T. -0.01 min

Lab File: VL034123.D

Acq: 5 Sep 2019 4:27

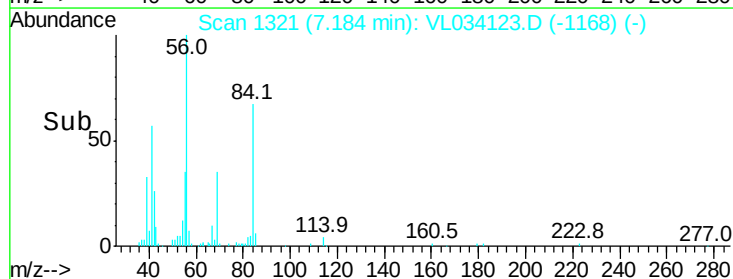
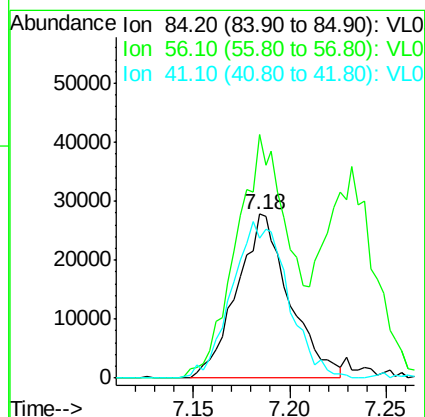
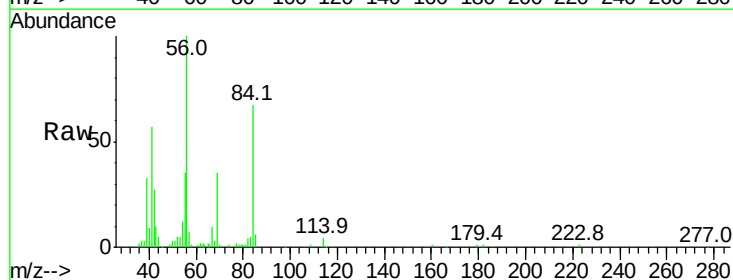
Tgt Ion: 84 Resp: 52729

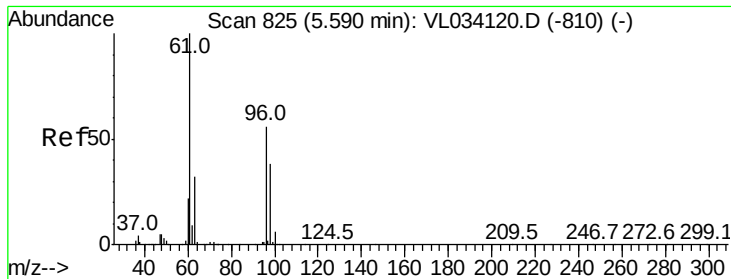
Ion Ratio Lower Upper

84 100

56 156.5 122.6 183.8

41 102.0 79.1 118.7



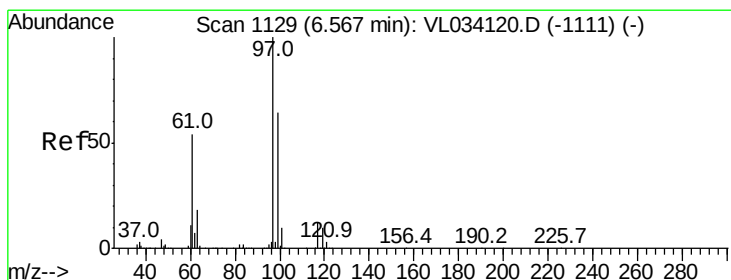
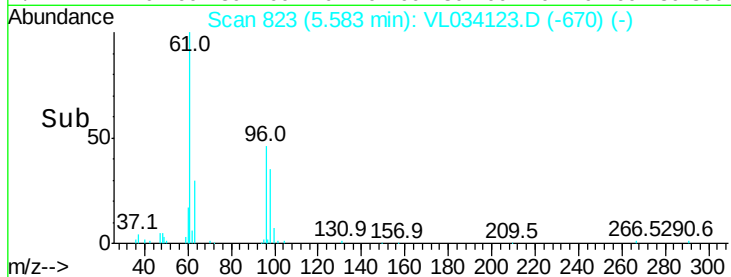
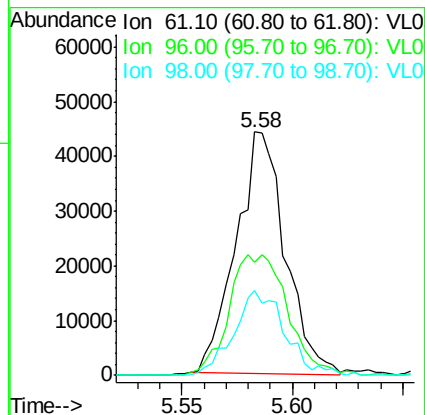
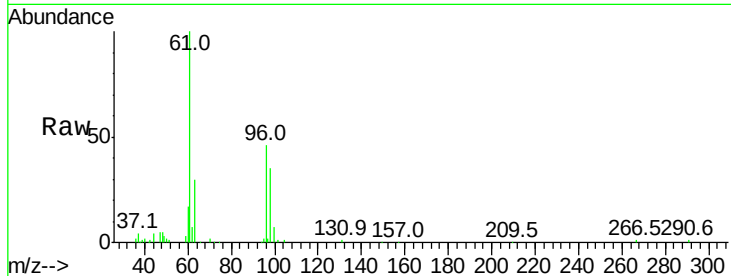


#31

cis-1,2-Dichloroethene
 Concen: 0.512 ppbv
 RT: 5.58 min Scan# 823
 Delta R.T. -0.01 min
 Lab File: VL034123.D
 Acq: 5 Sep 2019 4:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

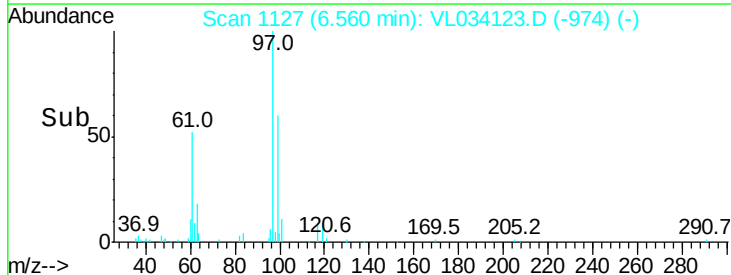
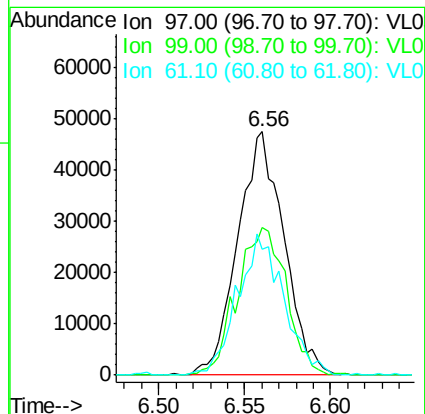
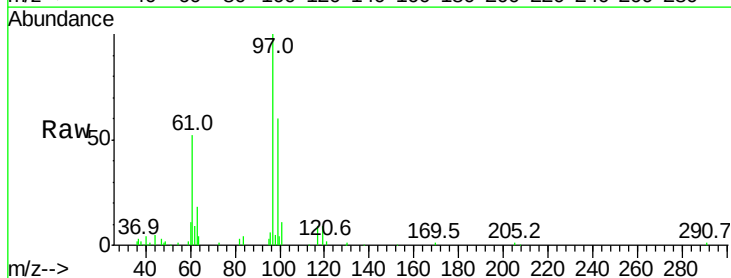
Tgt Ion	Ratio	Lower	Upper
61	100		
96	45.4	44.4	66.6
98	35.2	30.0	45.0

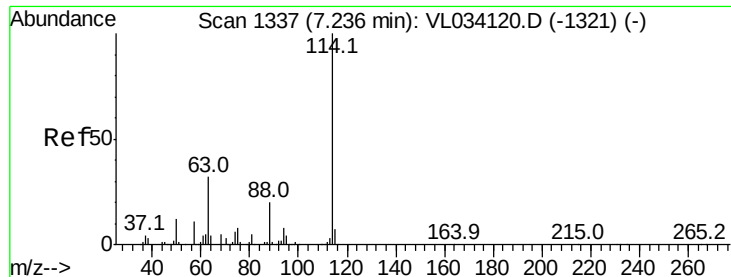


#32

1,1,1-Trichloroethane
 Concen: 0.499 ppbv
 RT: 6.56 min Scan# 1127
 Delta R.T. -0.01 min
 Lab File: VL034123.D
 Acq: 5 Sep 2019 4:27

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.7	77.5
61	57.7	44.0	66.0

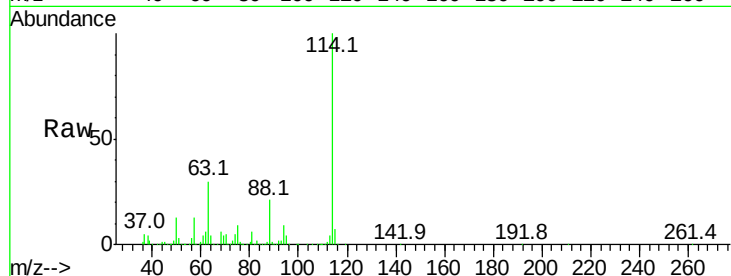




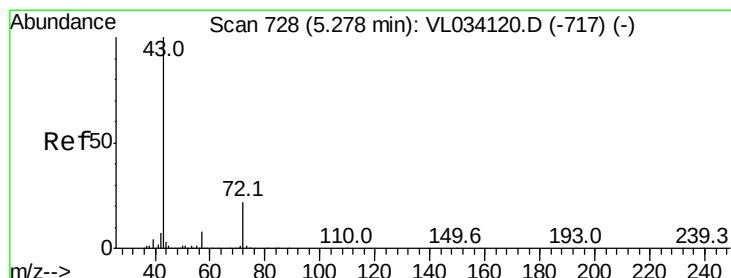
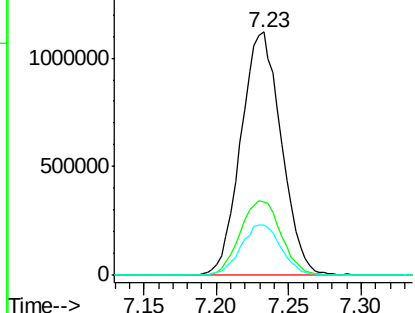
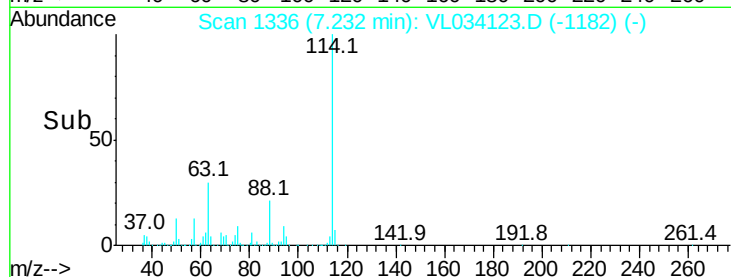
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.23 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VL034123.D
 Acq: 5 Sep 2019 4:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion:114 Resp: 2174298
 Ion Ratio Lower Upper
 114 100
 63 31.3 25.5 38.3
 88 20.8 16.8 25.2

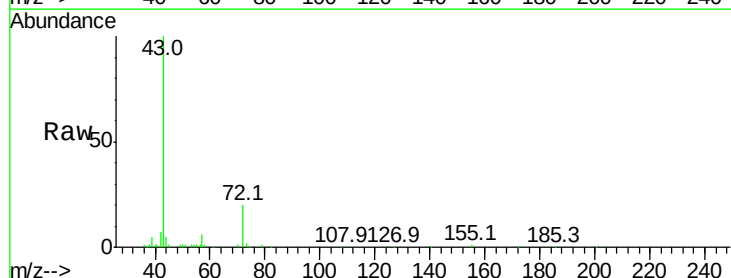


Abundance Ion 114.10 (113.80 to 114.80): VL0
 1500000 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

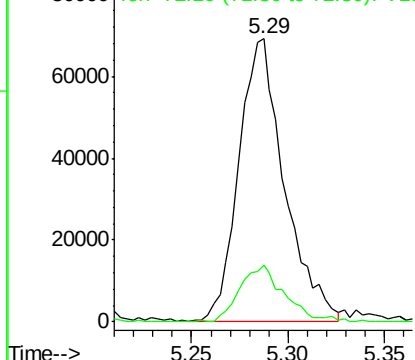
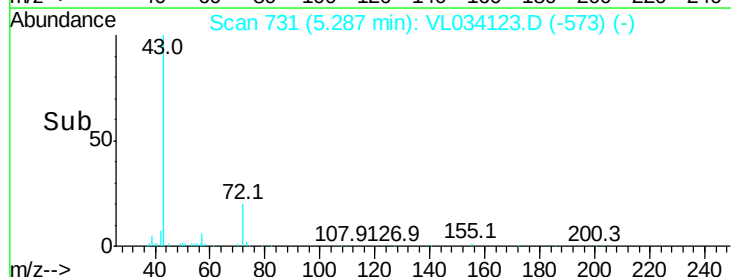


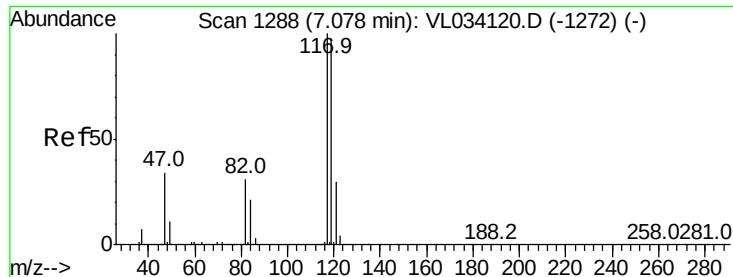
#34
 2-Butanone
 Concen: 0.546 ppbv
 RT: 5.29 min Scan# 731
 Delta R.T. 0.01 min
 Lab File: VL034123.D
 Acq: 5 Sep 2019 4:27

Tgt Ion: 43 Resp: 114052
 Ion Ratio Lower Upper
 43 100
 72 19.8 16.5 24.7



Abundance Ion 43.10 (42.80 to 43.80): VL0
 80000 Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 0.493 ppbv

RT: 7.07 min Scan# 1285

Delta R.T. -0.01 min

Lab File: VL034123.D

Acq: 5 Sep 2019 4:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

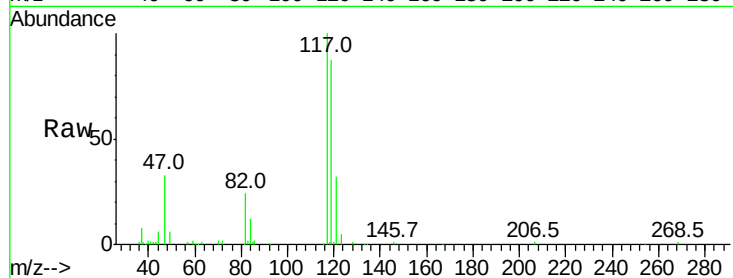
Tgt Ion:117 Resp: 82893

Ion Ratio Lower Upper

117 100

119 86.6 77.2 115.8

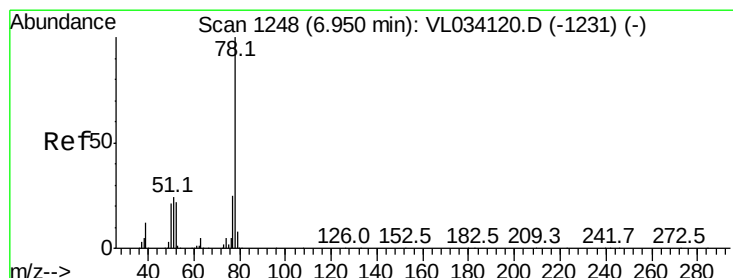
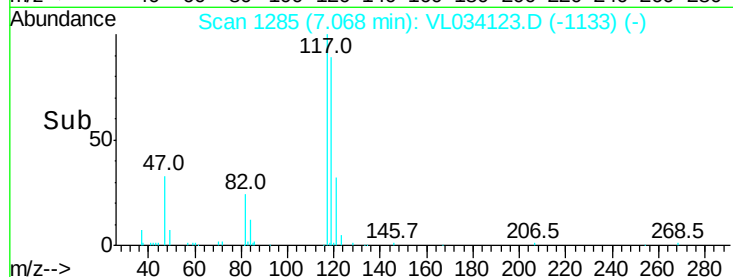
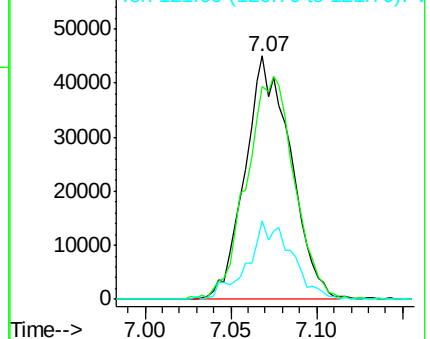
121 32.2 24.2 36.4



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: 0.542 ppbv

RT: 6.95 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VL034123.D

Acq: 5 Sep 2019 4:27

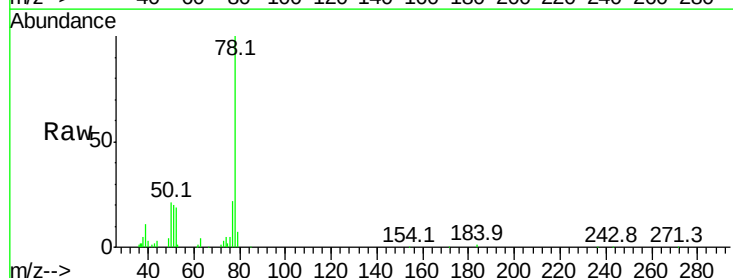
Tgt Ion: 78 Resp: 134590

Ion Ratio Lower Upper

78 100

77 21.8 20.3 30.5

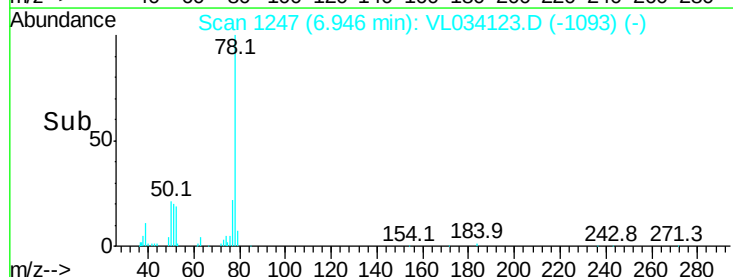
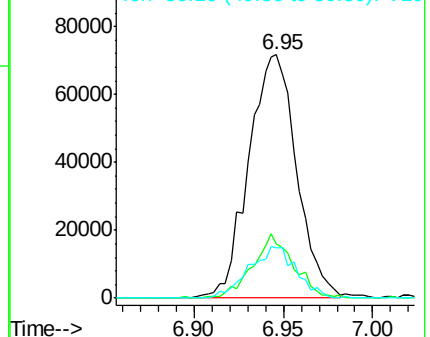
50 20.7 16.9 25.3

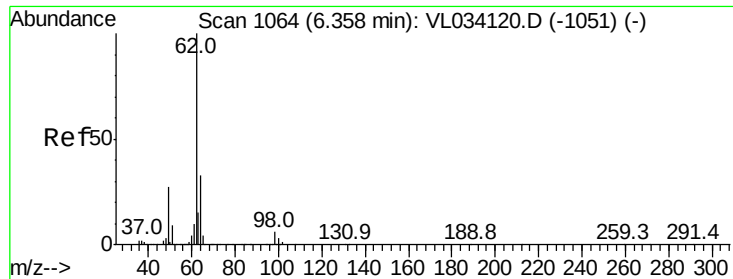


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

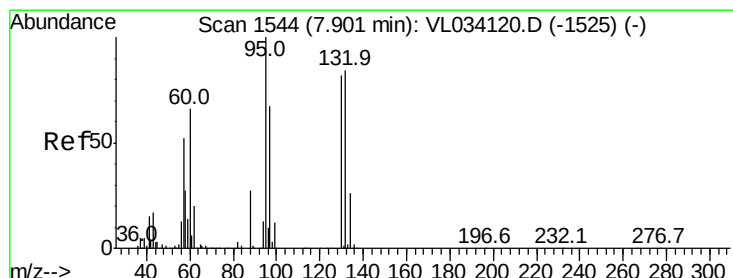
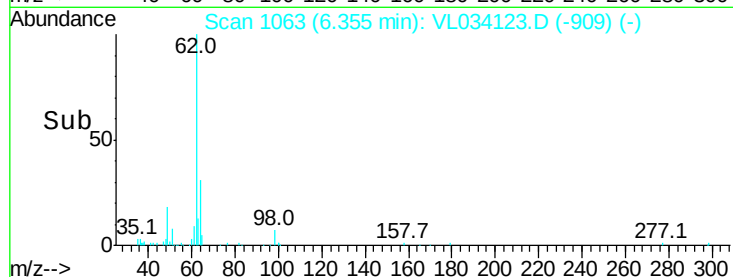
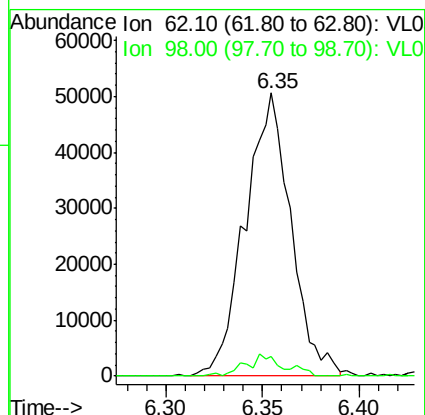
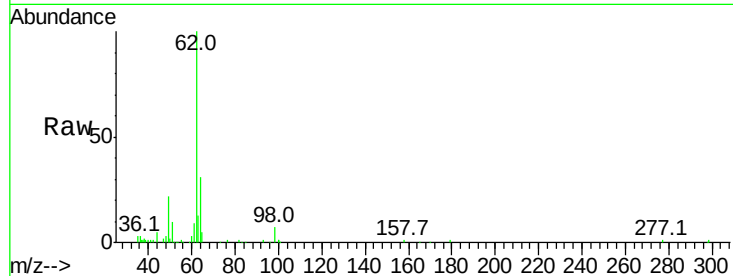




#37
 1,2-Dichloroethane
 Concen: 0.545 ppbv
 RT: 6.35 min Scan# 1063
 Delta R.T. -0.00 min
 Lab File: VL034123.D
 Acq: 5 Sep 2019 4:27

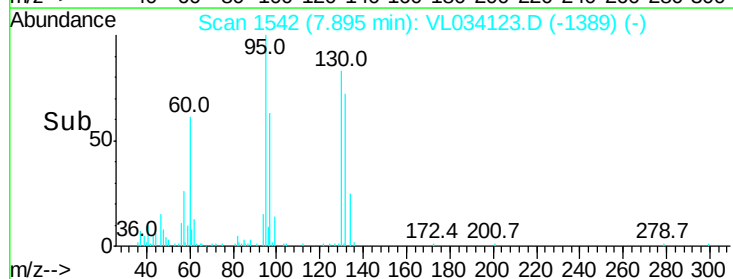
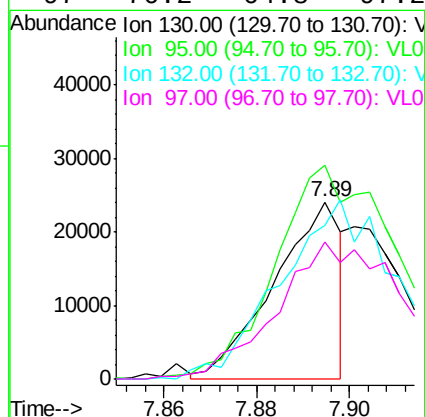
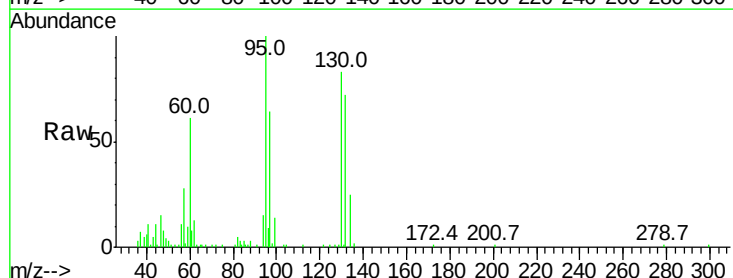
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

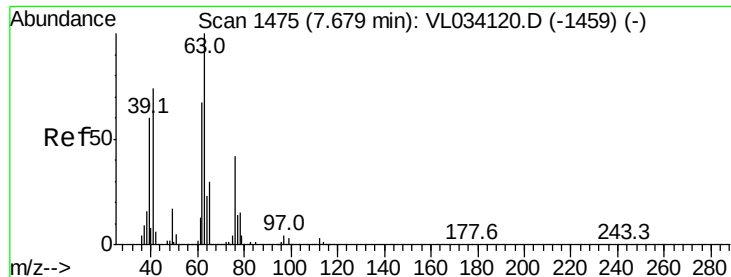
Tgt Ion: 62 Resp: 82988
 Ion Ratio Lower Upper
 62 100
 98 6.4 4.4 6.6



#38
 Trichloroethene
 Concen: 0.264 ppbv
 RT: 7.89 min Scan# 1542
 Delta R.T. -0.01 min
 Lab File: VL034123.D
 Acq: 5 Sep 2019 4:27

Tgt Ion: 130 Resp: 24235
 Ion Ratio Lower Upper
 130 100
 95 120.6 97.2 145.8
 132 84.0 81.4 122.2
 97 76.2 64.8 97.2





#39

1,2-Dichloropropane

Concen: 0.342 ppbv

RT: 7.67 min Scan# 1473

Delta R.T. -0.01 min

Lab File: VL034123.D

Acq: 5 Sep 2019 4:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

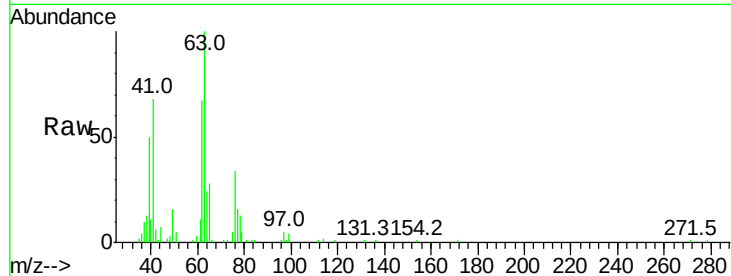
Tgt Ion: 63 Resp: 36425

Ion Ratio Lower Upper

63 100

41 66.8 59.3 88.9

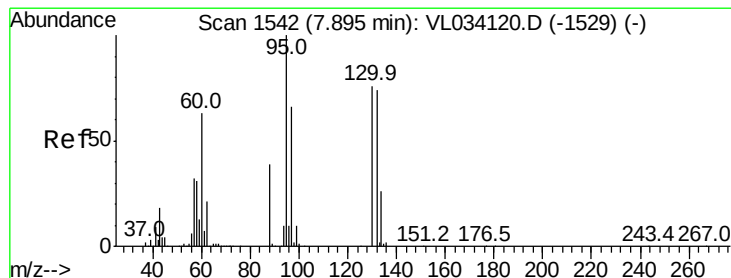
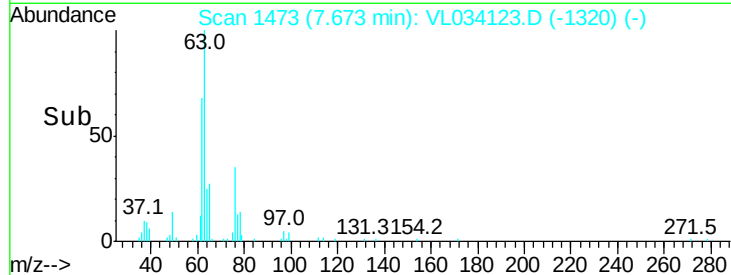
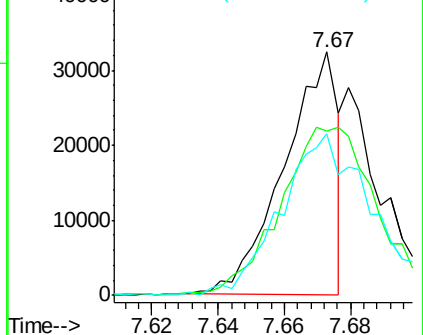
62 65.7 53.8 80.6



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: 0.212 ppbv

RT: 7.92 min Scan# 1549

Delta R.T. 0.02 min

Lab File: VL034123.D

Acq: 5 Sep 2019 4:27

Tgt Ion: 88 Resp: 8308

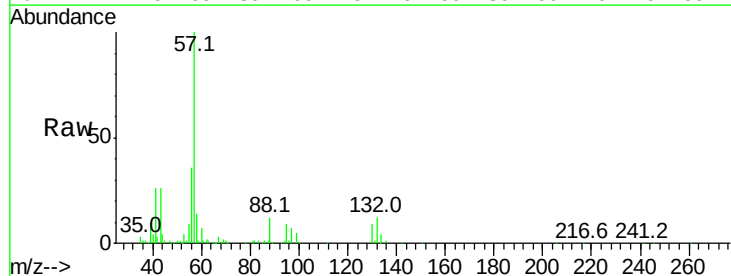
Ion Ratio Lower Upper

88 100

58 0.0 121.7 182.5#

43 0.0 0.0 0.0

57 0.0 0.0 0.0

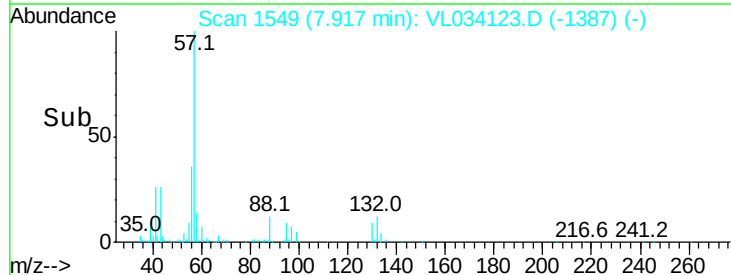
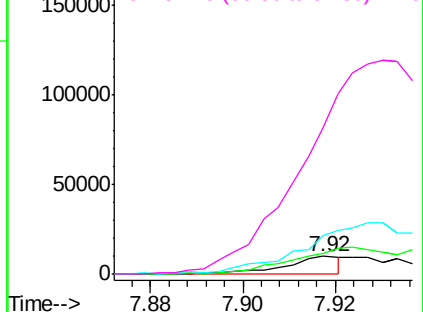


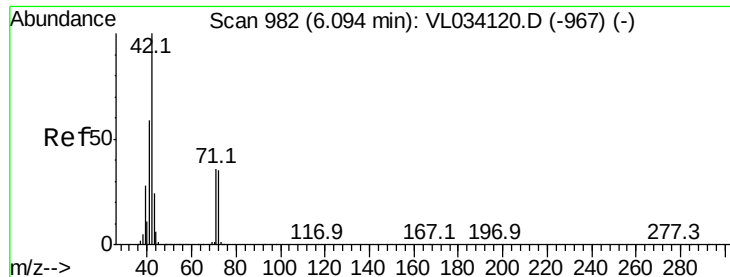
Abundance Ion 88.10 (87.80 to 88.80): VL0

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: 0.520 ppbv

RT: 6.11 min Scan# 988

Delta R.T. 0.02 min

Lab File: VL034123.D

Acq: 5 Sep 2019 4:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

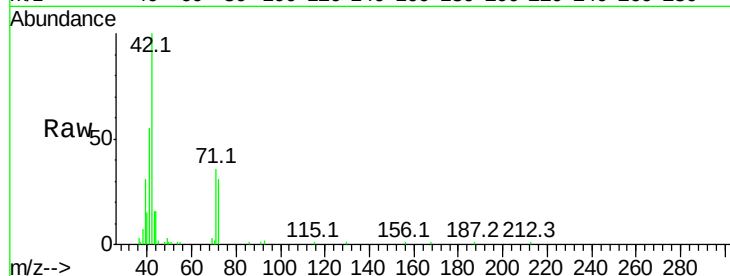
Tgt Ion: 42 Resp: 64847

Ion Ratio Lower Upper

42 100

72 32.3 27.7 41.5

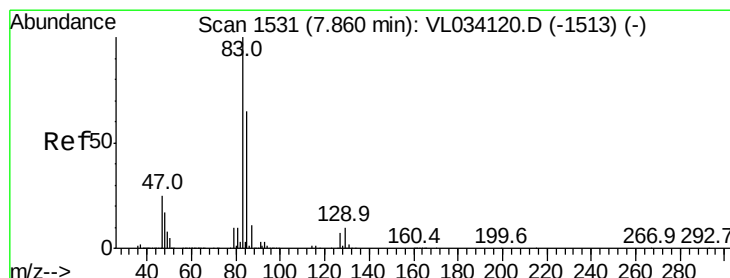
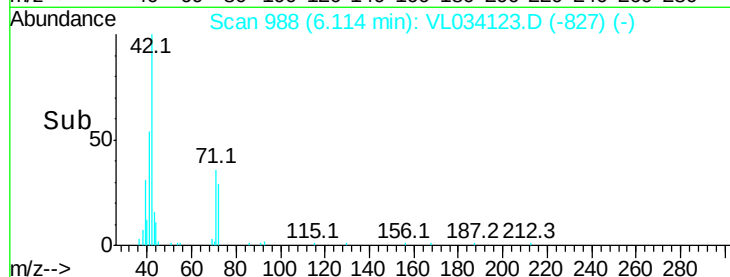
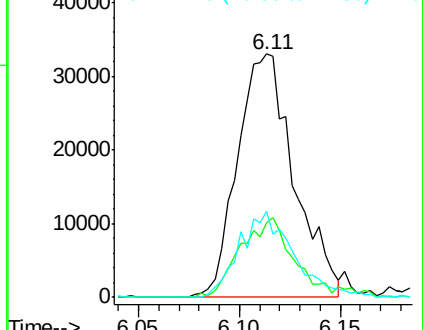
71 34.0 26.7 40.1



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: 0.514 ppbv

RT: 7.85 min Scan# 1529

Delta R.T. -0.01 min

Lab File: VL034123.D

Acq: 5 Sep 2019 4:27

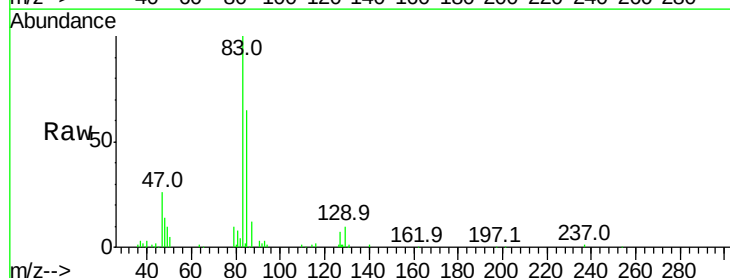
Tgt Ion: 83 Resp: 102226

Ion Ratio Lower Upper

83 100

85 64.3 51.6 77.4

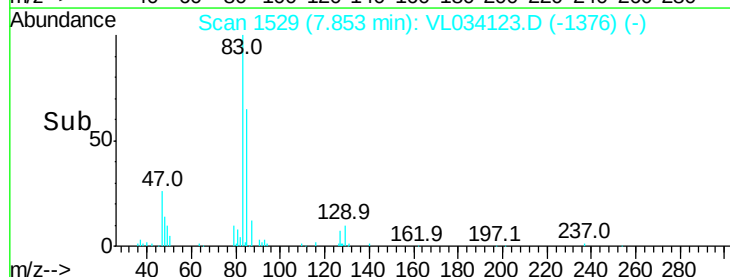
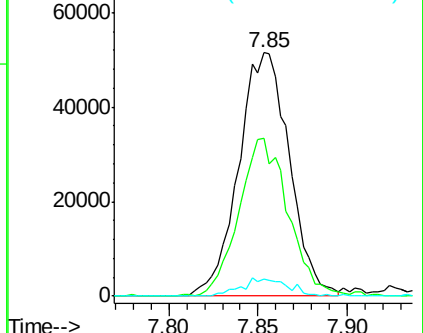
127 7.2 5.4 8.0

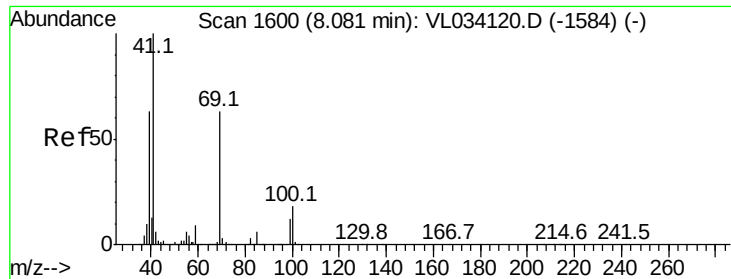


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

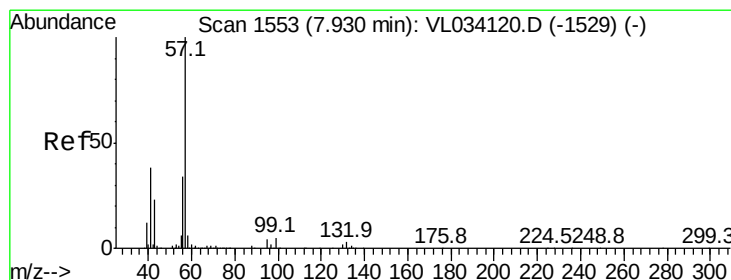
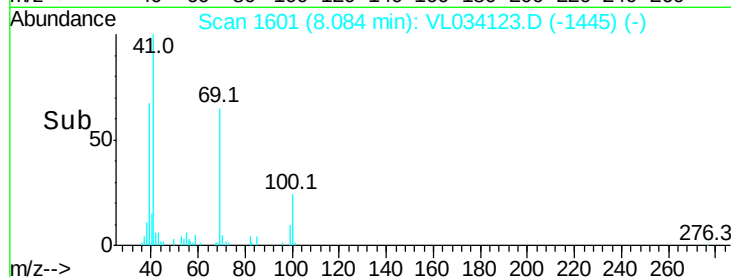
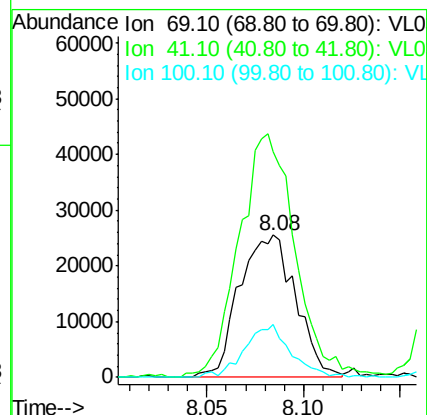
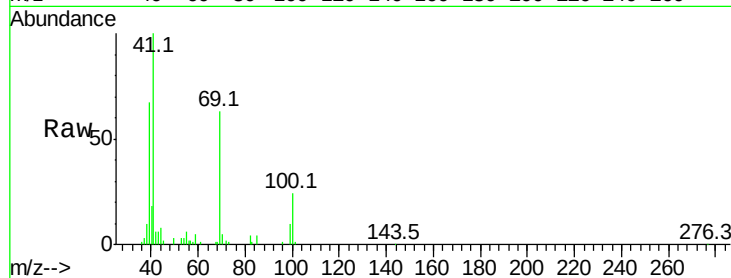




#43
Methyl Methacrylate
Concen: 0.502 ppbv
RT: 8.08 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VL034123.D
Acq: 5 Sep 2019 4:27

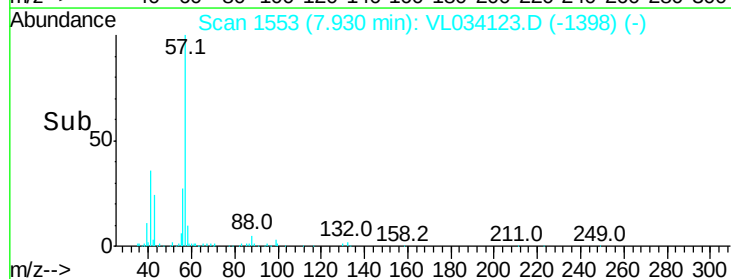
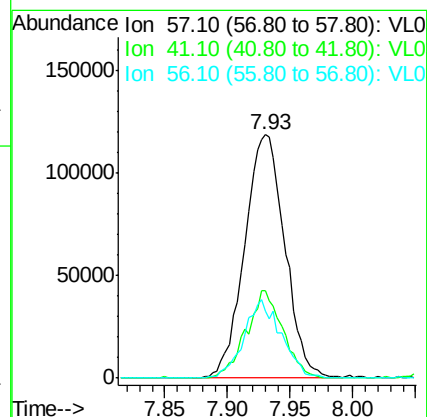
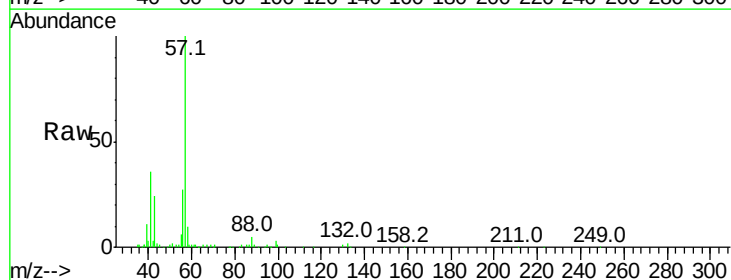
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

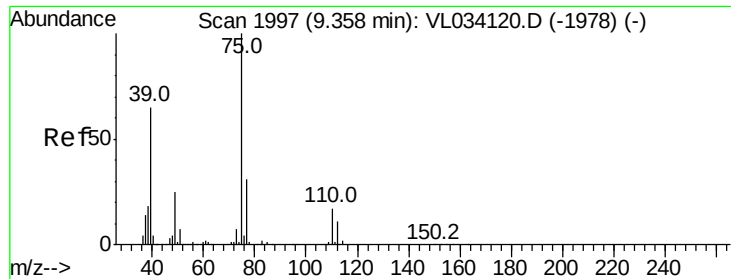
Tgt Ion: 69 Resp: 51392
Ion Ratio Lower Upper
69 100
41 170.8 131.0 196.6
100 30.9 22.6 33.8



#44
2,2,4-Trimethylpentane
Concen: 0.577 ppbv
RT: 7.93 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VL034123.D
Acq: 5 Sep 2019 4:27

Tgt Ion: 57 Resp: 264512
Ion Ratio Lower Upper
57 100
41 33.2 28.4 42.6
56 30.1 26.3 39.5





#45

t-1,3-Dichloropropene

Concen: 0.423 ppbv

RT: 9.35 min Scan# 1996

Delta R.T. -0.00 min

Lab File: VL034123.D

Acq: 5 Sep 2019 4:27

Instrument :

MSVOA_L

ClientSampleId :

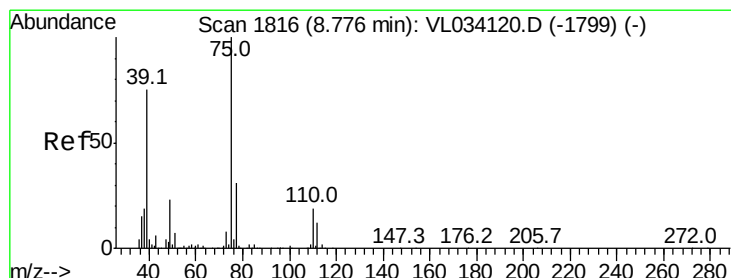
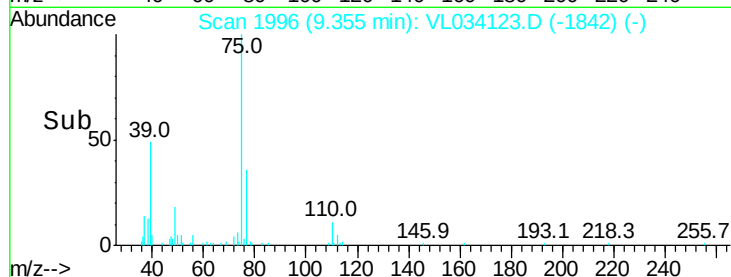
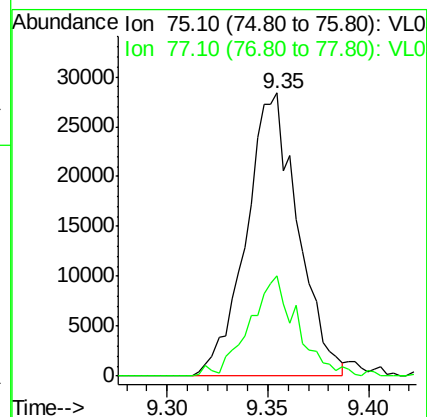
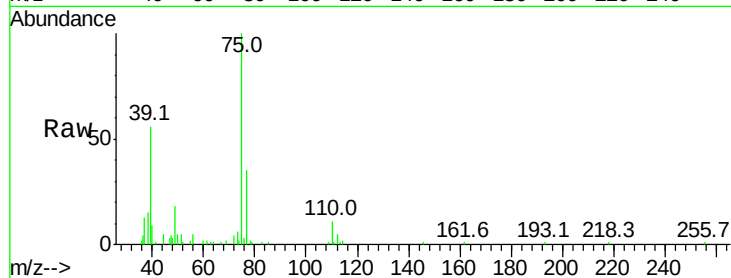
VSTDIC0.5

Tgt Ion: 75 Resp: 50841

Ion Ratio Lower Upper

75 100

77 35.4 24.6 36.8



#46

cis-1,3-Dichloropropene

Concen: 0.467 ppbv

RT: 8.77 min Scan# 1815

Delta R.T. -0.00 min

Lab File: VL034123.D

Acq: 5 Sep 2019 4:27

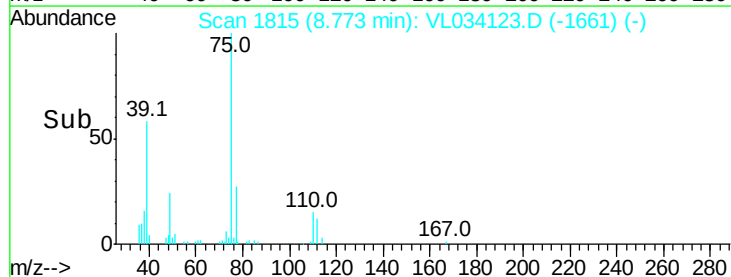
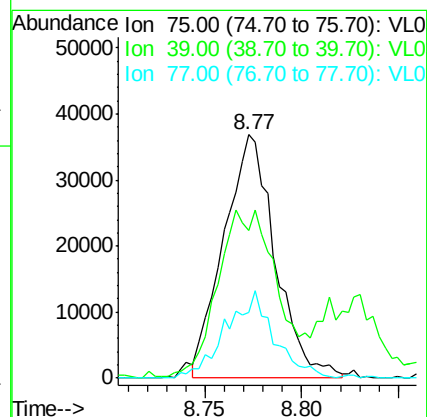
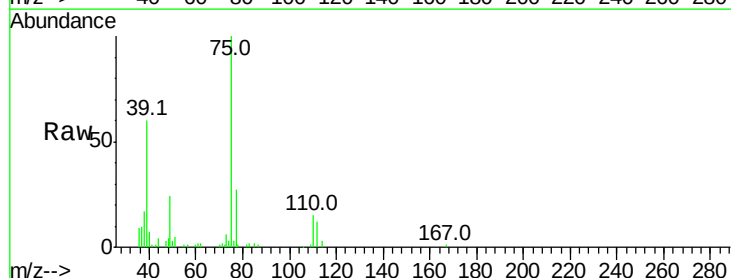
Tgt Ion: 75 Resp: 68374

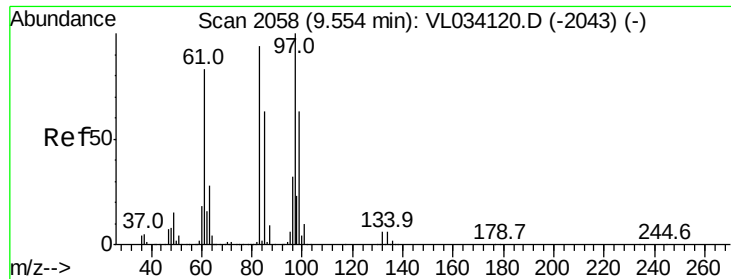
Ion Ratio Lower Upper

75 100

39 55.4 60.0 90.0#

77 26.6 24.8 37.2





#47

1,1,2-Trichloroethane

Concen: 0.507 ppbv

RT: 9.55 min Scan# 2056

Delta R.T. -0.01 min

Lab File: VL034123.D

Acq: 5 Sep 2019 4:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion: 97 Resp: 49092

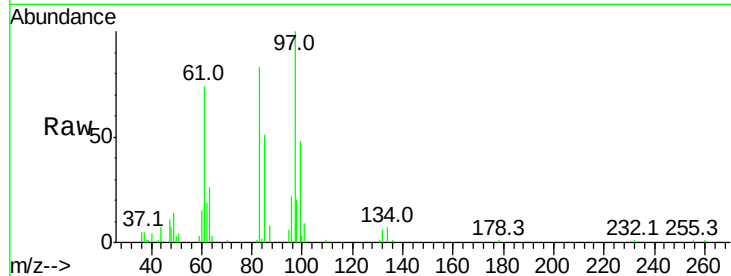
Ion Ratio Lower Upper

97 100

83 80.6 74.9 112.3

85 50.9 50.6 75.8

99 48.5 50.2 75.2#

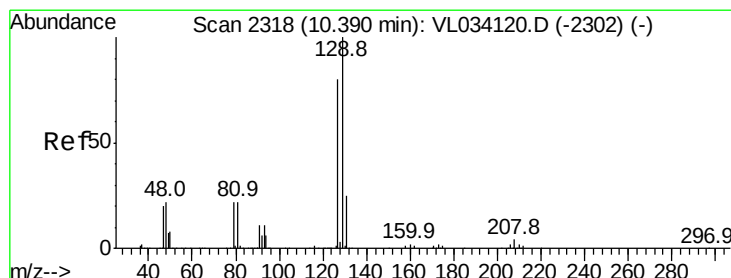
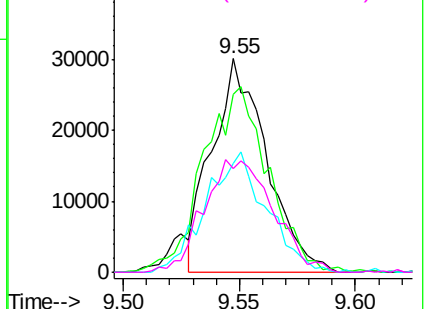
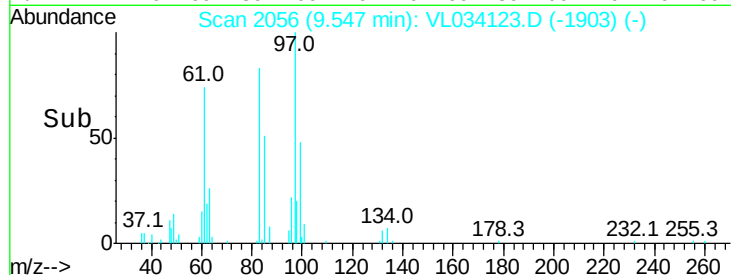


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 0.484 ppbv

RT: 10.39 min Scan# 2317

Delta R.T. -0.00 min

Lab File: VL034123.D

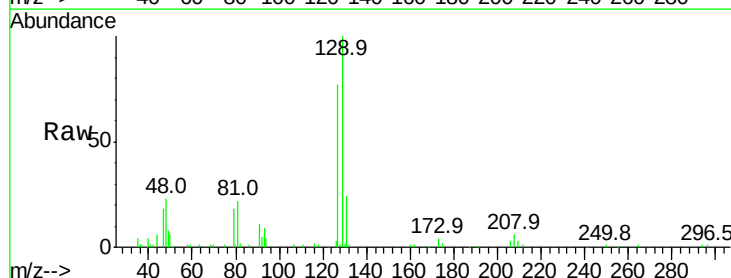
Acq: 5 Sep 2019 4:27

Tgt Ion: 129 Resp: 69918

Ion Ratio Lower Upper

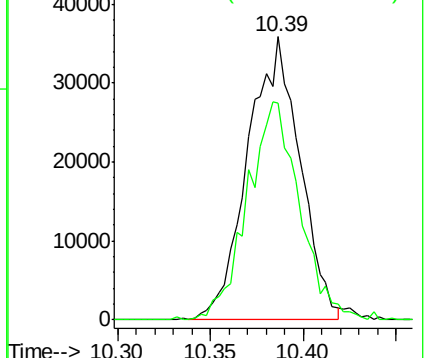
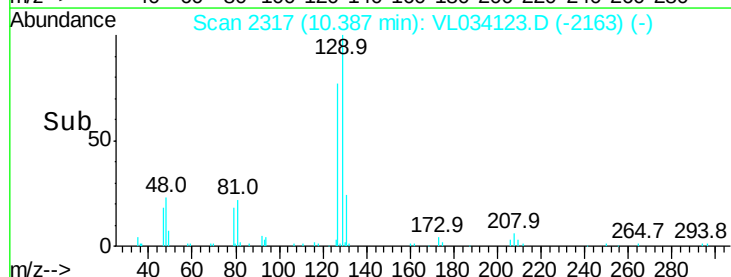
129 100

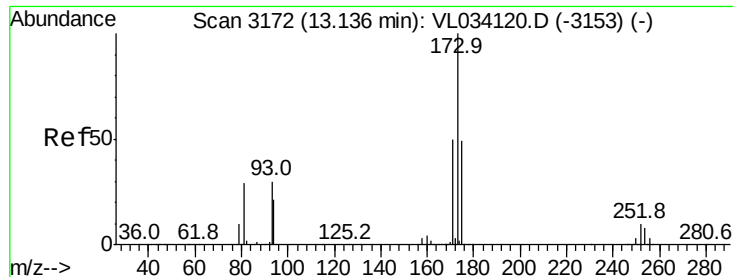
127 77.7 40.2 120.6



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 0.391 ppbv

RT: 13.13 min Scan# 3171

Delta R.T. -0.00 min

Lab File: VL034123.D

Acq: 5 Sep 2019 4:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

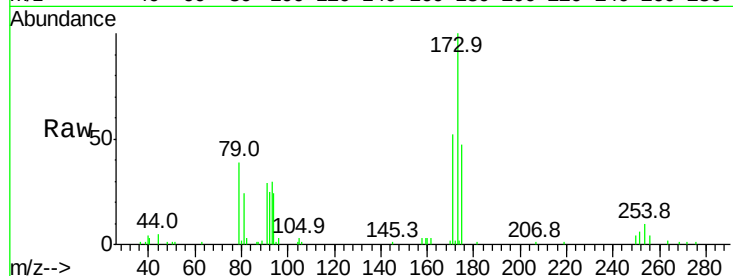
Tgt Ion:173 Resp: 49480

Ion Ratio Lower Upper

173 100

175 57.2 40.0 60.0

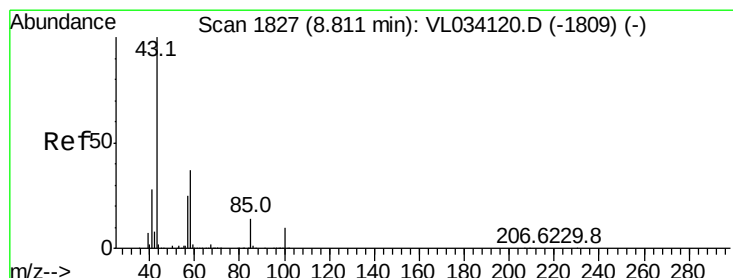
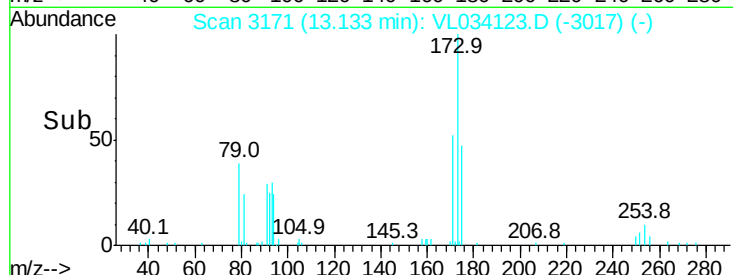
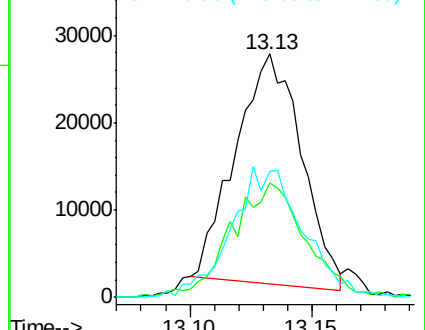
171 61.3 42.2 63.2



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 0.557 ppbv

RT: 8.82 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VL034123.D

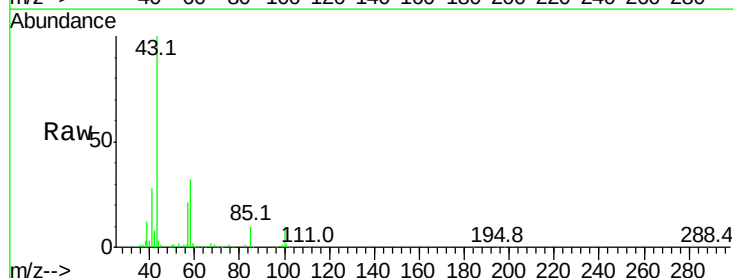
Acq: 5 Sep 2019 4:27

Tgt Ion: 43 Resp: 177732

Ion Ratio Lower Upper

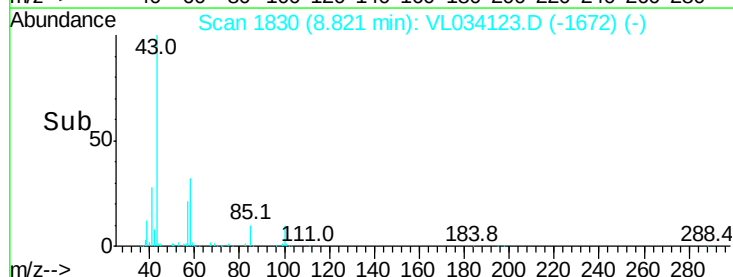
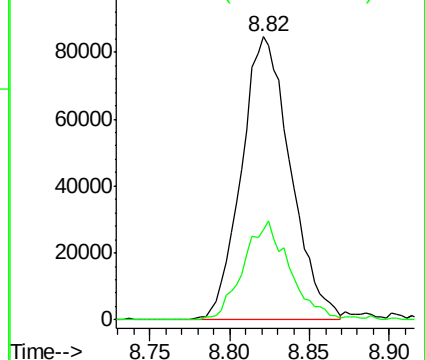
43 100

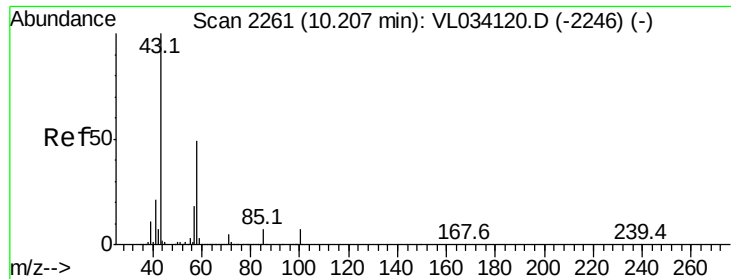
58 33.3 28.5 42.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 0.237 ppbv

RT: 10.22 min Scan# 2265

Delta R.T. 0.01 min

Lab File: VL034123.D

Acq: 5 Sep 2019 4:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

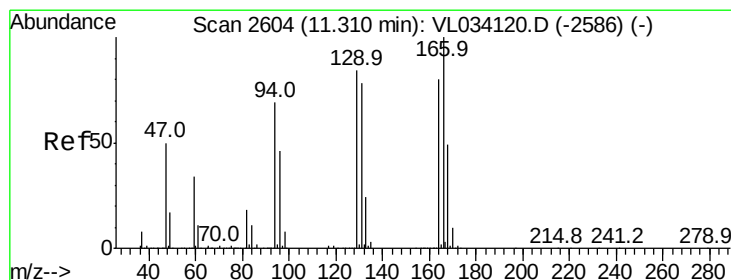
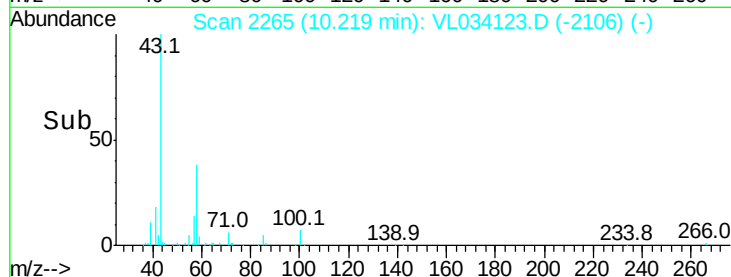
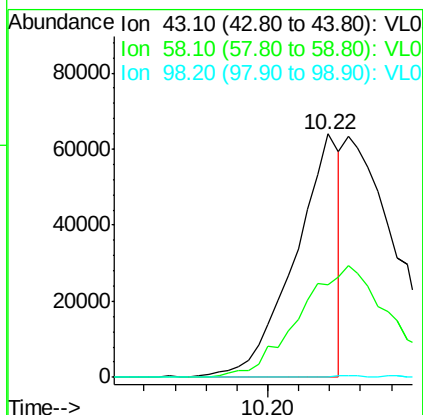
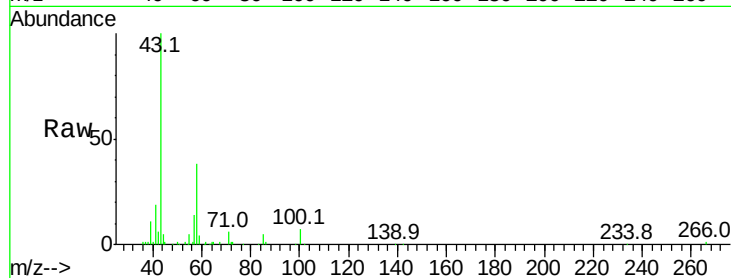
Tgt Ion: 43 Resp: 64756

Ion Ratio Lower Upper

43 100

58 0.0 38.2 57.2#

98 0.1 0.1 0.1#



#52

Tetrachloroethene

Concen: 0.221 ppbv

RT: 11.30 min Scan# 2601

Delta R.T. -0.01 min

Lab File: VL034123.D

Acq: 5 Sep 2019 4:27

Tgt Ion: 164 Resp: 19249

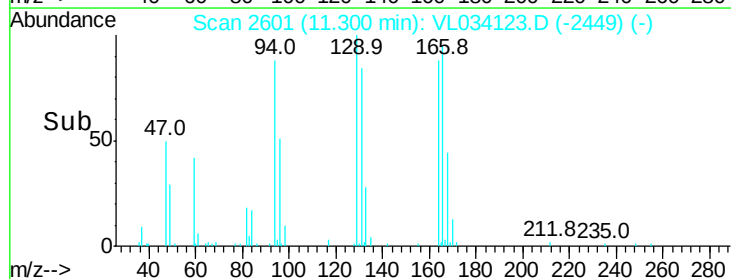
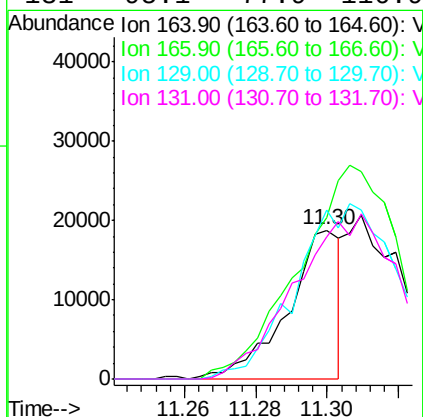
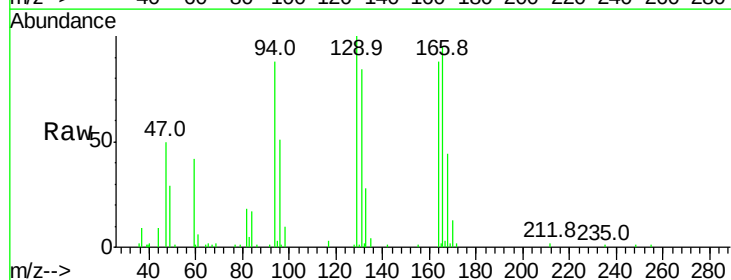
Ion Ratio Lower Upper

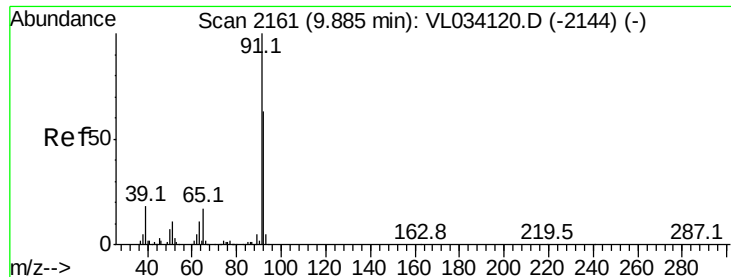
164 100

166 111.3 99.5 149.3

129 114.3 83.6 125.4

131 95.1 77.9 116.9





#53

Toluene

Concen: 0.551 ppbv

RT: 9.88 min Scan# 2160

Delta R.T. -0.00 min

Lab File: VL034123.D

Acq: 5 Sep 2019 4:27

Instrument :

MSVOA_L

ClientSampleId :

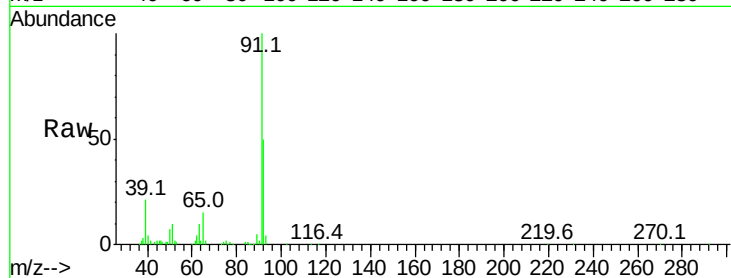
VSTDIC0.5

Tgt Ion: 91 Resp: 151399

Ion Ratio Lower Upper

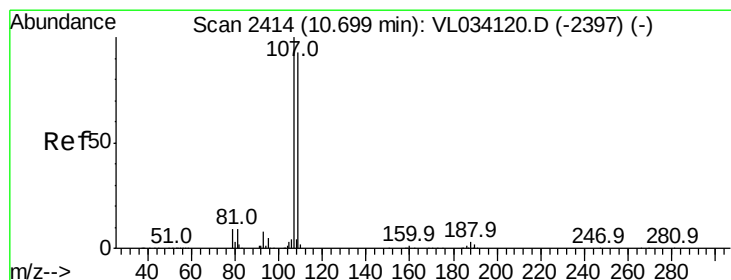
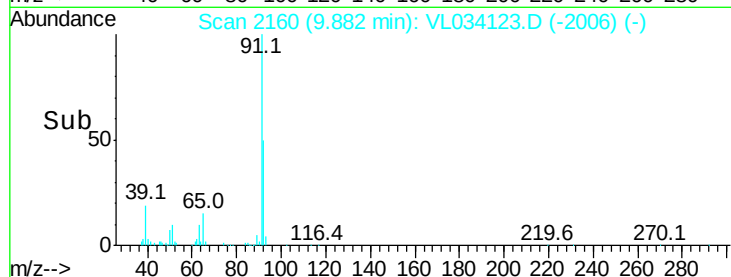
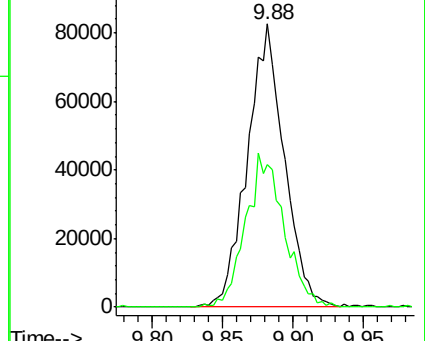
91 100

92 56.1 49.3 73.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 0.481 ppbv

RT: 10.69 min Scan# 2412

Delta R.T. -0.01 min

Lab File: VL034123.D

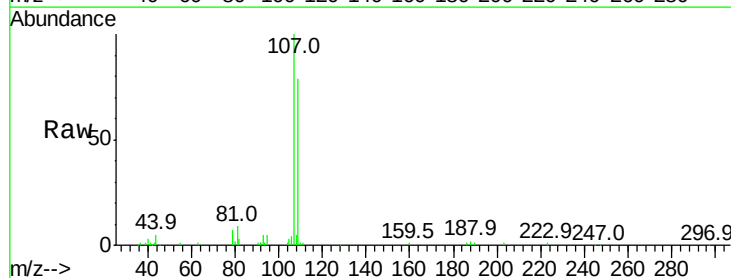
Acq: 5 Sep 2019 4:27

Tgt Ion: 107 Resp: 69280

Ion Ratio Lower Upper

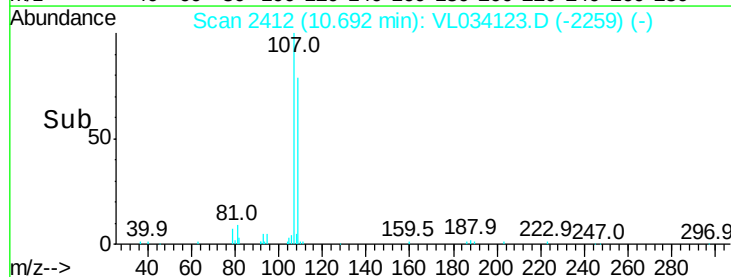
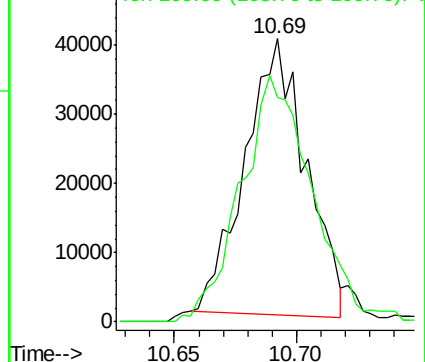
107 100

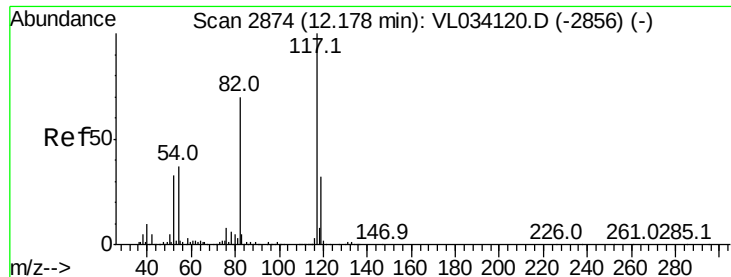
109 80.2 74.5 111.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

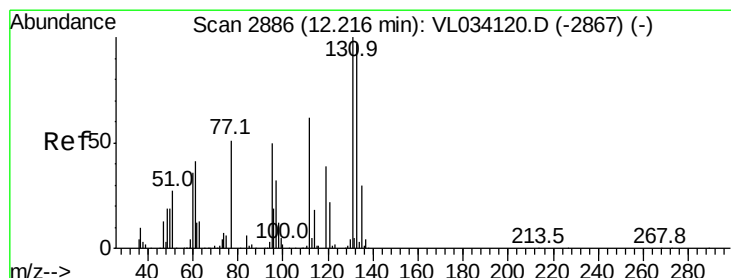
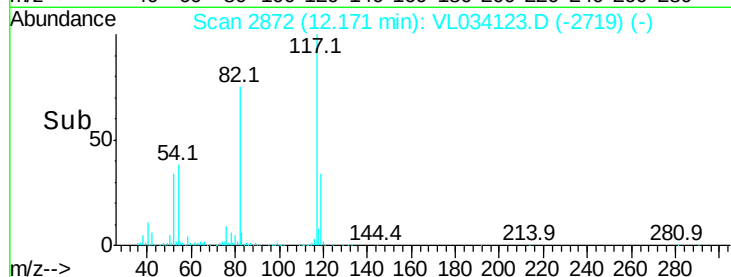
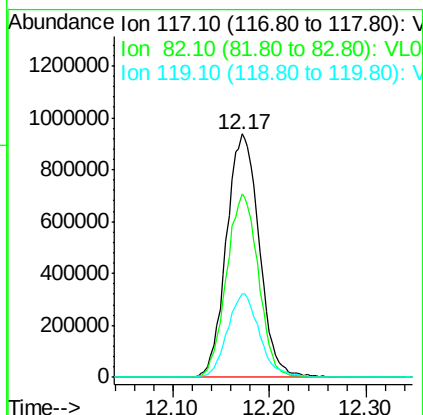
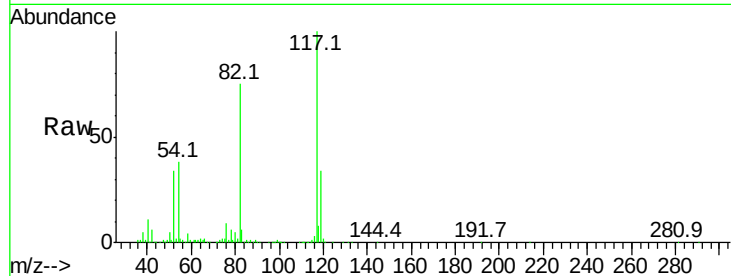




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.17 min Scan# 2872
Delta R.T. -0.01 min
Lab File: VL034123.D
Acq: 5 Sep 2019 4:27

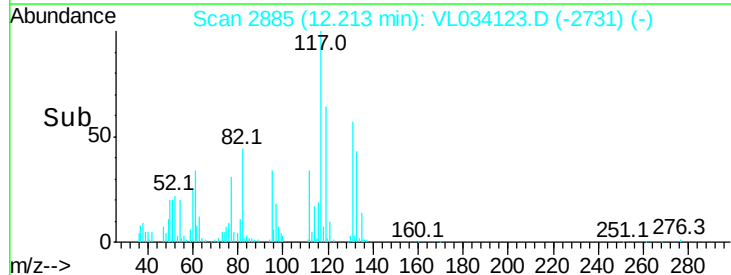
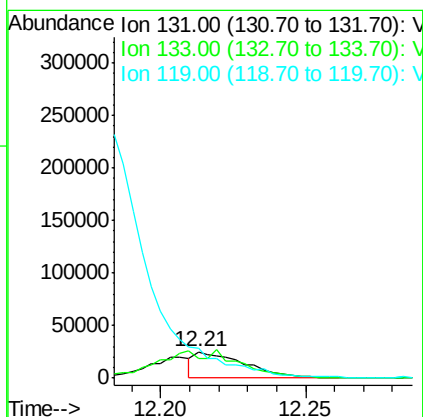
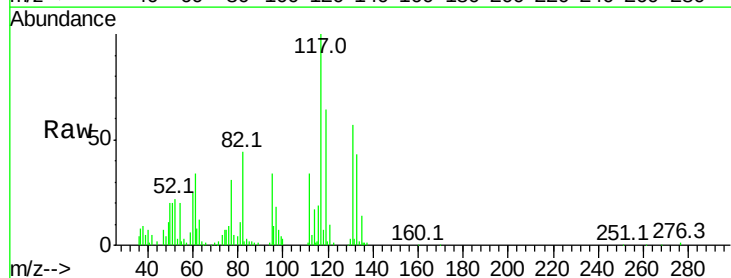
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

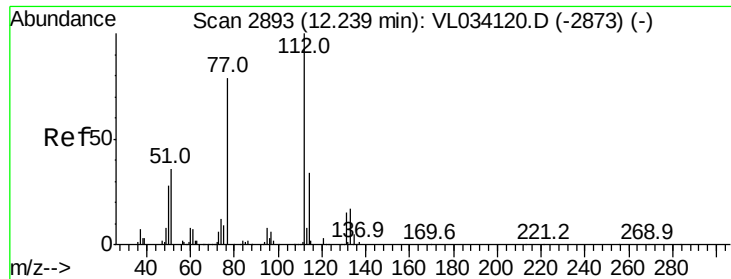
Tgt Ion:117 Resp: 2206090
Ion Ratio Lower Upper
117 100
82 73.5 55.8 83.6
119 34.1 43.1 64.7#



#56
1,1,1,2-Tetrachloroethane
Concen: 0.311 ppbv
RT: 12.21 min Scan# 2885
Delta R.T. -0.00 min
Lab File: VL034123.D
Acq: 5 Sep 2019 4:27

Tgt Ion:131 Resp: 29416
Ion Ratio Lower Upper
131 100
133 176.0 75.8 113.6#
119 0.0 114.7 172.1#

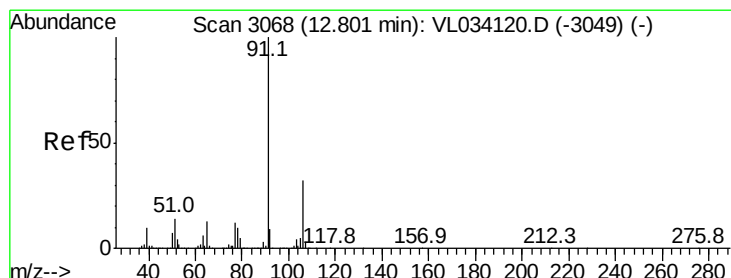
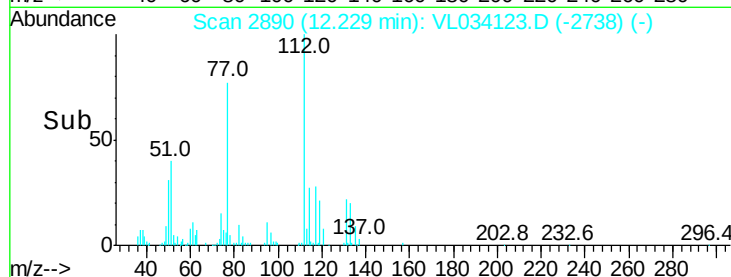
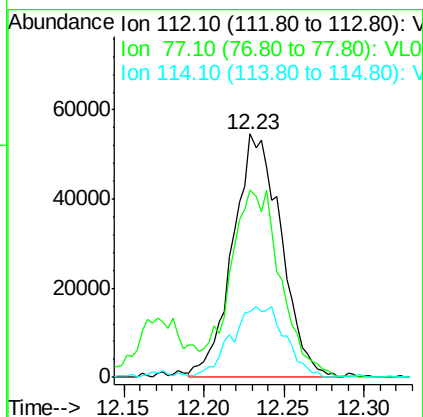
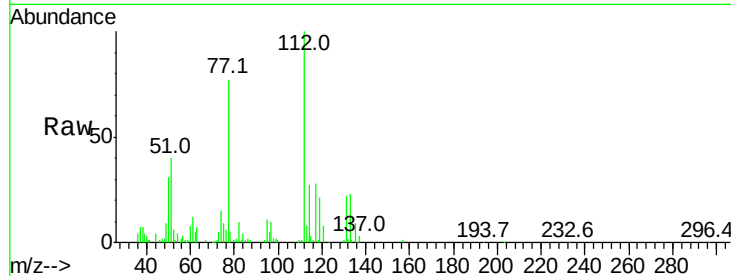




#57
Chlorobenzene
Concen: 0.590 ppbv
RT: 12.23 min Scan# 2890
Delta R.T. -0.01 min
Lab File: VL034123.D
Acq: 5 Sep 2019 4:27

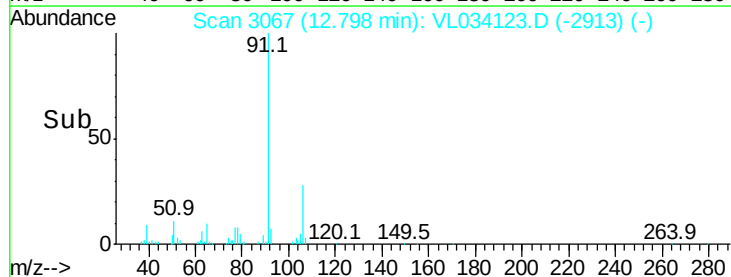
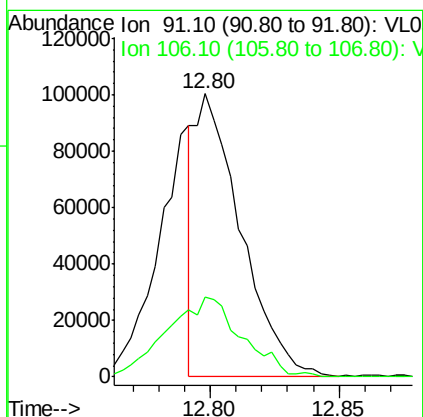
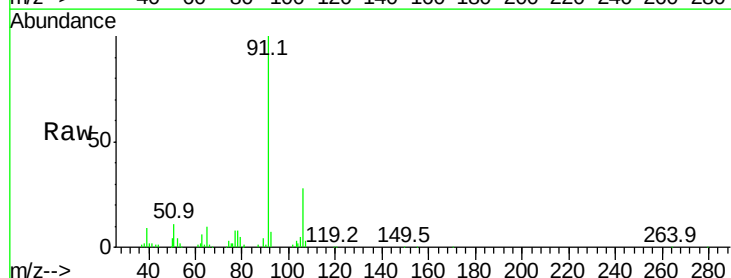
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

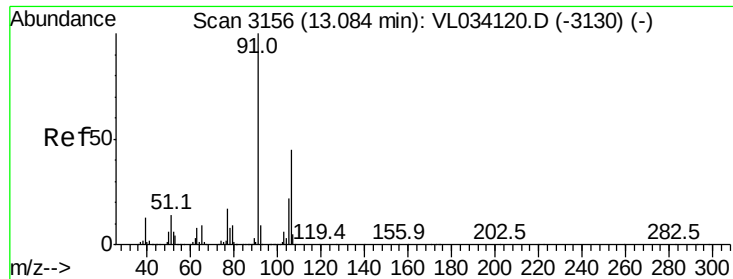
Tgt Ion: 112 Resp: 112056
Ion Ratio Lower Upper
112 100
77 76.9 64.4 96.6
114 26.3 30.3 37.1#



#58
Ethyl Benzene
Concen: 0.338 ppbv
RT: 12.80 min Scan# 3067
Delta R.T. -0.00 min
Lab File: VL034123.D
Acq: 5 Sep 2019 4:27

Tgt Ion: 91 Resp: 122154
Ion Ratio Lower Upper
91 100
106 28.3 25.3 37.9





#59

m/p-Xylene

Concen: 0.448 ppbv

RT: 13.08 min Scan# 3155

Delta R.T. -0.00 min

Lab File: VL034123.D

Acq: 5 Sep 2019 4:27

Instrument :

MSVOA_L

ClientSampleId :

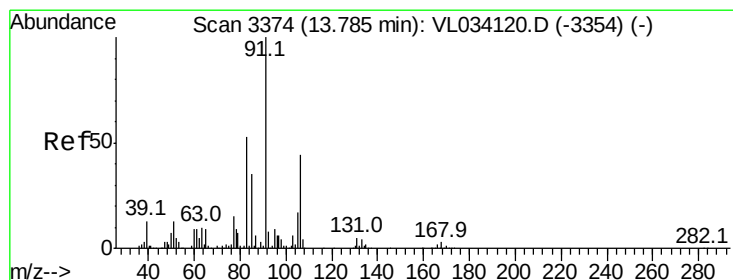
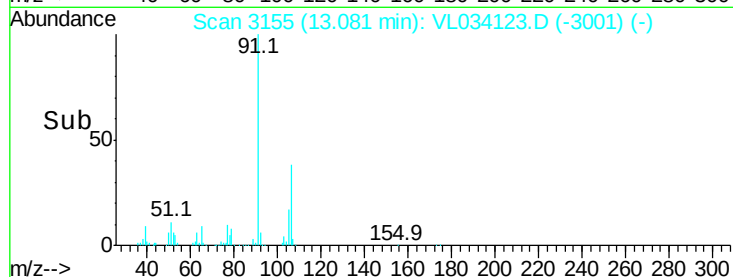
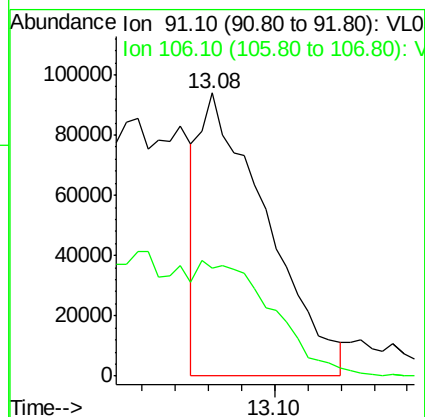
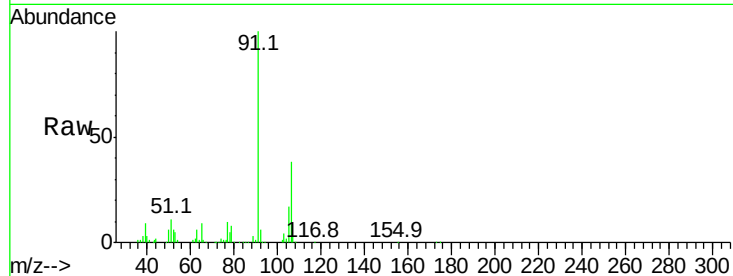
VSTDIC0.5

Tgt Ion: 91 Resp: 131945

Ion Ratio Lower Upper

91 100

106 0.0 35.4 53.2#



#60

o-Xylene

Concen: 0.598 ppbv

RT: 13.78 min Scan# 3373

Delta R.T. -0.00 min

Lab File: VL034123.D

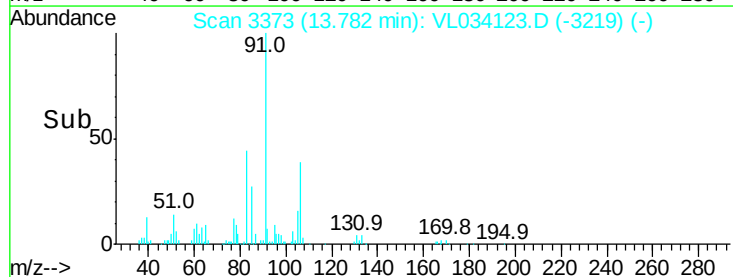
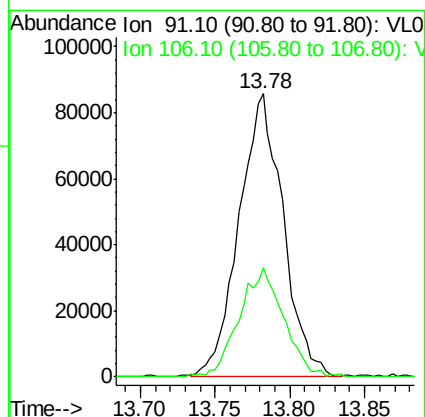
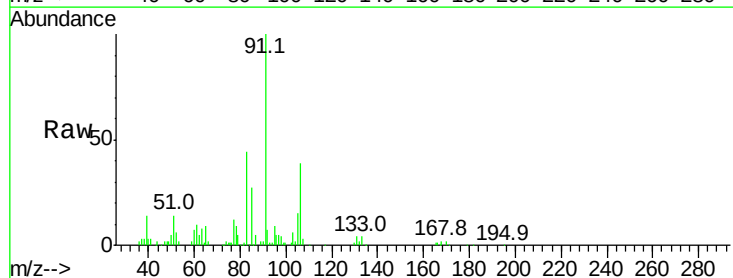
Acq: 5 Sep 2019 4:27

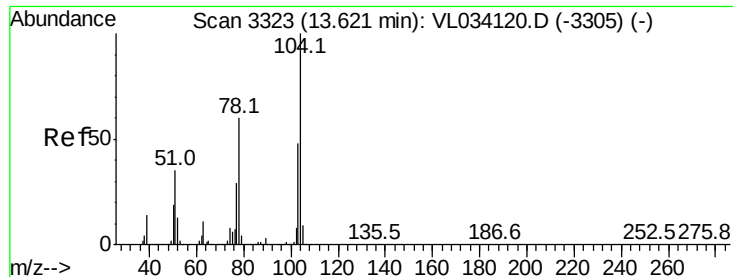
Tgt Ion: 91 Resp: 175632

Ion Ratio Lower Upper

91 100

106 39.0 21.4 64.3





#61

Styrene

Concen: 0.253 ppbv

RT: 13.61 min Scan# 3320

Delta R.T. -0.01 min

Lab File: VL034123.D

Acq: 5 Sep 2019 4:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

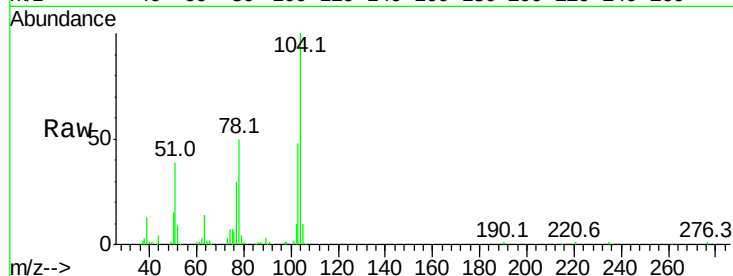
Tgt Ion:104 Resp: 55572

Ion Ratio Lower Upper

104 100

78 0.0 47.8 71.6#

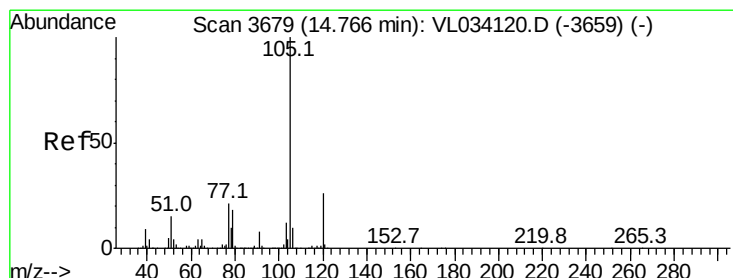
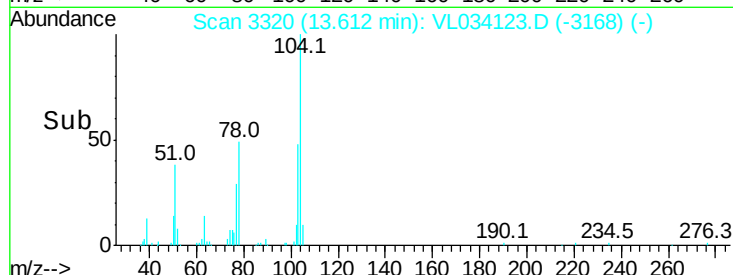
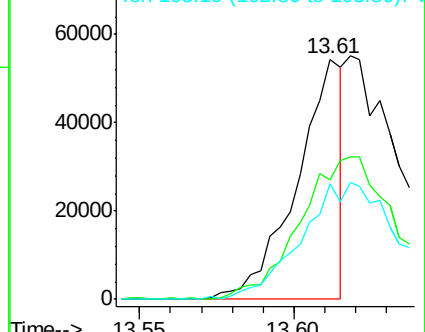
103 0.0 38.7 58.1#



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: 0.556 ppbv

RT: 14.76 min Scan# 3676

Delta R.T. -0.01 min

Lab File: VL034123.D

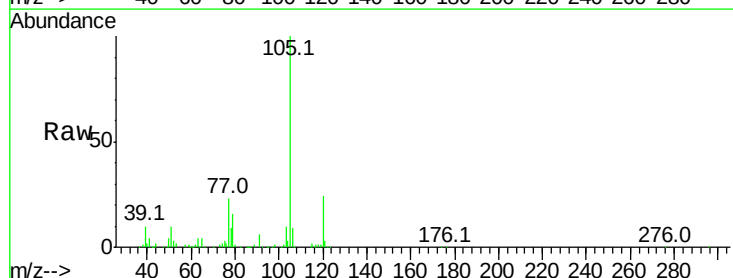
Acq: 5 Sep 2019 4:27

Tgt Ion:105 Resp: 212451

Ion Ratio Lower Upper

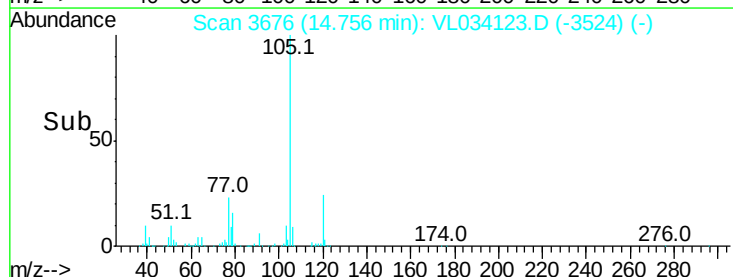
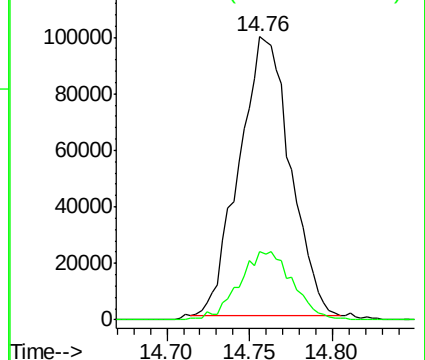
105 100

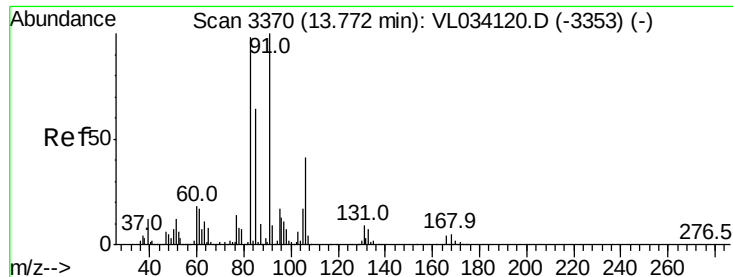
120 25.6 20.6 31.0



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: 0.322 ppbv

RT: 13.77 min Scan# 3369

Delta R.T. -0.00 min

Lab File: VL034123.D

Acq: 5 Sep 2019 4:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

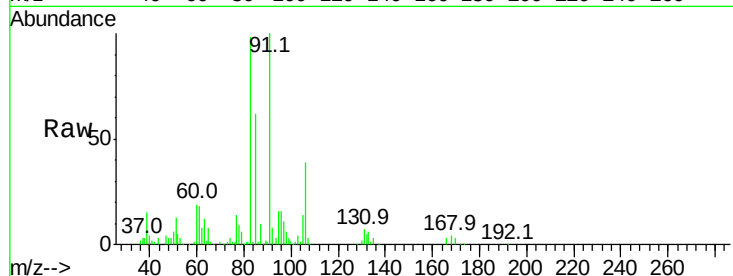
Tgt Ion: 83 Resp: 77432

Ion Ratio Lower Upper

83 100

131 16.0 4.3 12.8#

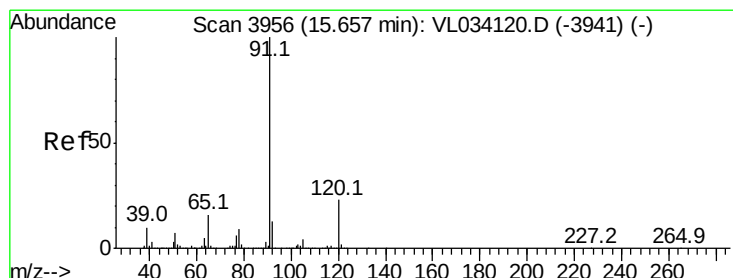
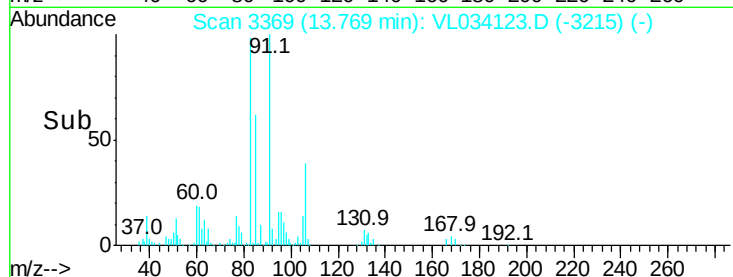
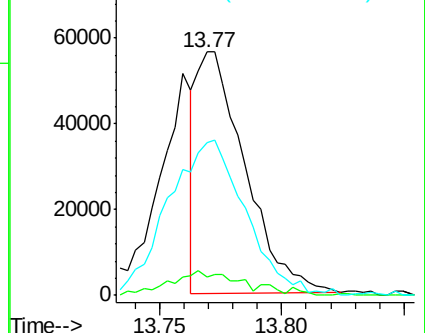
85 105.0 32.5 97.5#



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: 0.519 ppbv

RT: 15.66 min Scan# 3956

Delta R.T. -0.00 min

Lab File: VL034123.D

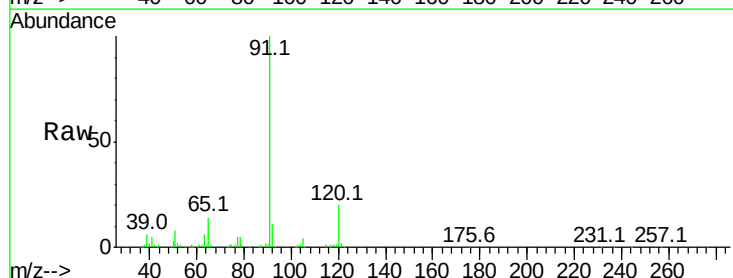
Acq: 5 Sep 2019 4:27

Tgt Ion: 120 Resp: 50460

Ion Ratio Lower Upper

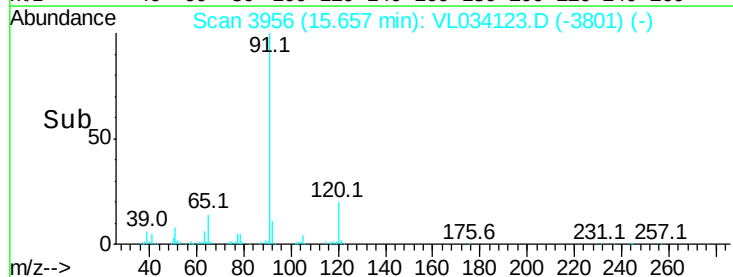
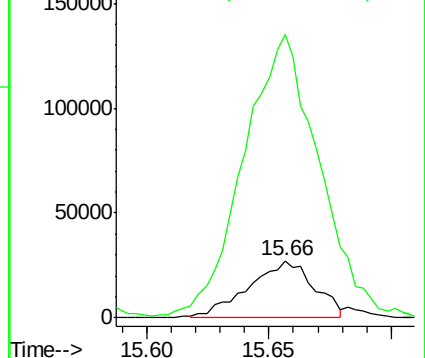
120 100

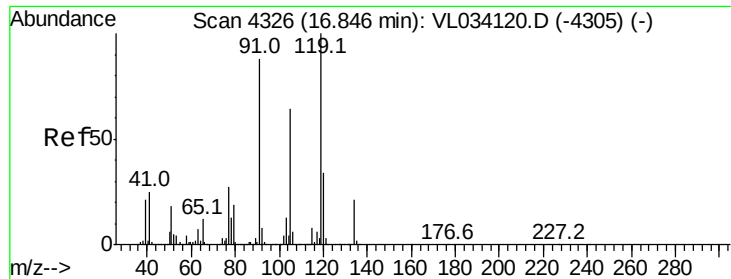
91 577.2 376.8 565.2#



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 0.296 ppbv

RT: 16.84 min Scan# 4323

Delta R.T. -0.01 min

Lab File: VL034123.D

Acq: 5 Sep 2019 4:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

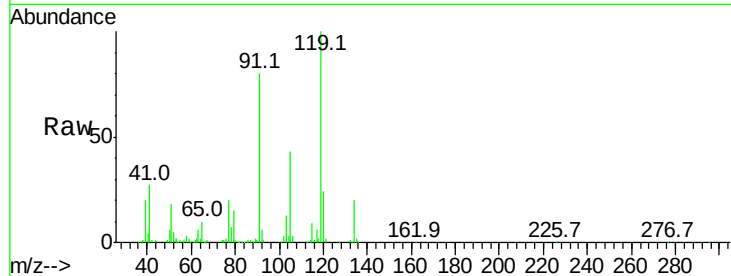
Tgt Ion: 119 Resp: 97332

Ion Ratio Lower Upper

119 100

91 0.0 72.8 109.2#

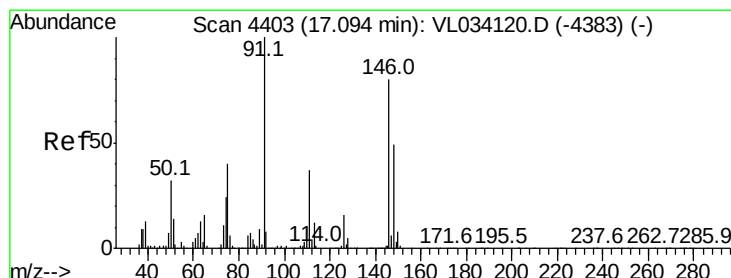
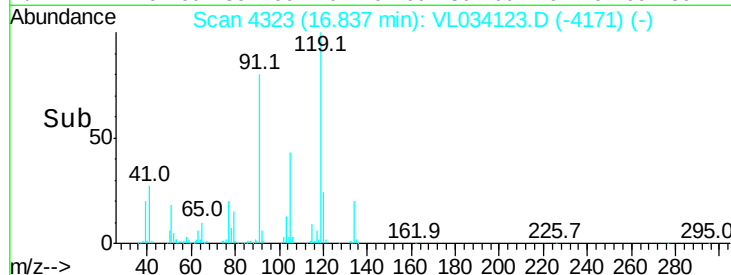
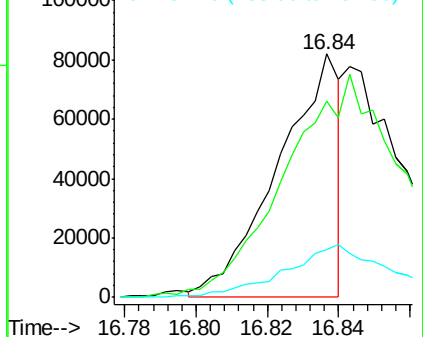
134 0.0 15.8 23.8#



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 0.087 ppbv

RT: 17.10 min Scan# 4404

Delta R.T. 0.00 min

Lab File: VL034123.D

Acq: 5 Sep 2019 4:27

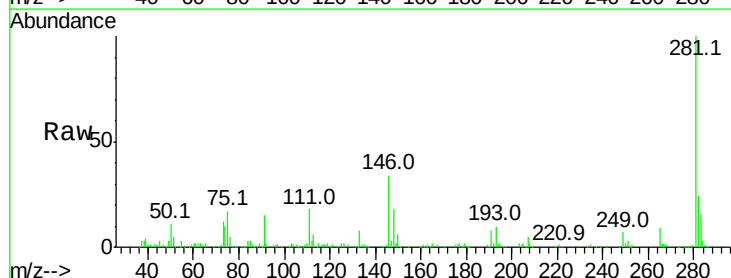
Tgt Ion: 91 Resp: 10505

Ion Ratio Lower Upper

91 100

126 0.0 13.7 20.5#

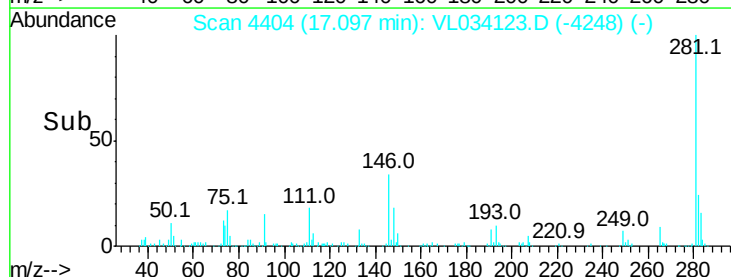
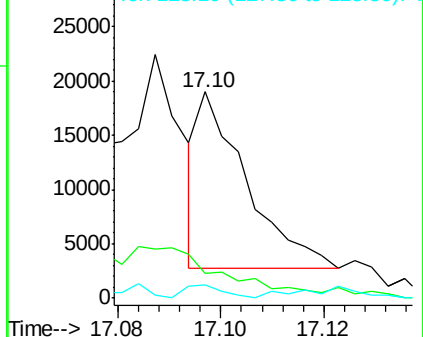
128 13.9 4.2 6.4#

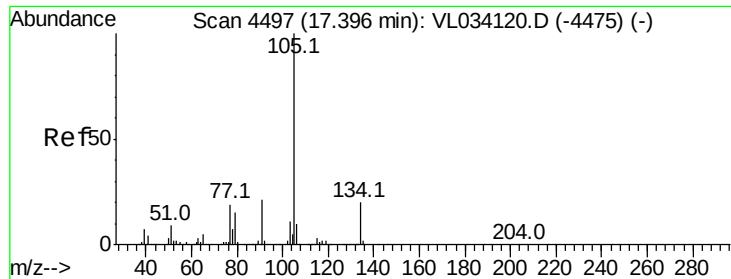


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 0.319 ppbv

RT: 17.39 min Scan# 4495

Delta R.T. -0.01 min

Lab File: VL034123.D

Acq: 5 Sep 2019 4:27

Instrument :

MSVOA_L

ClientSampleId :

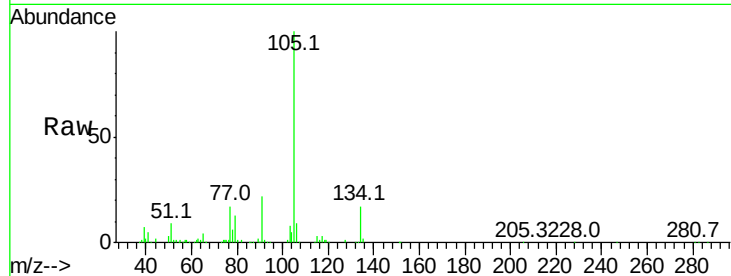
VSTDIC0.5

Tgt Ion: 105 Resp: 151119

Ion Ratio Lower Upper

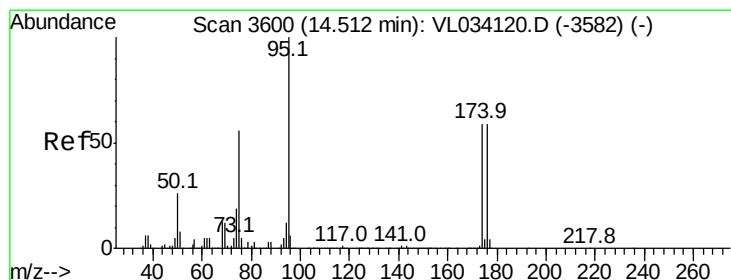
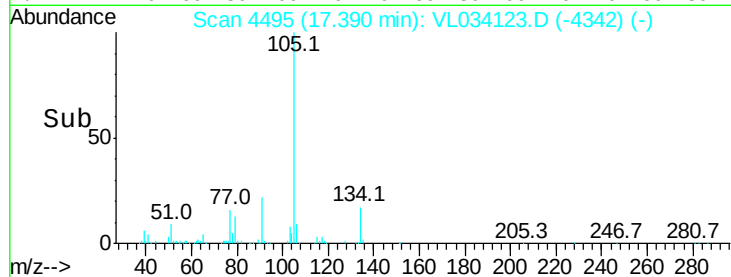
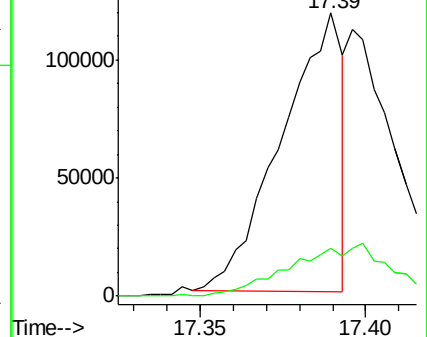
105 100

134 0.0 15.0 22.4#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.275 ppbv

RT: 14.51 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VL034123.D

Acq: 5 Sep 2019 4:27

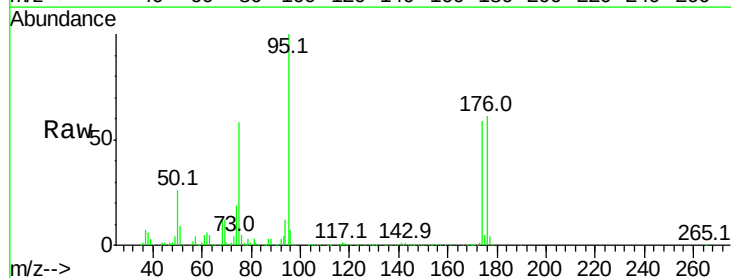
Tgt Ion: 95 Resp: 1853126

Ion Ratio Lower Upper

95 100

174 59.7 48.1 72.1

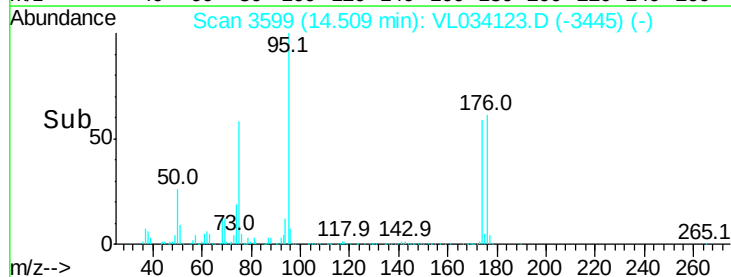
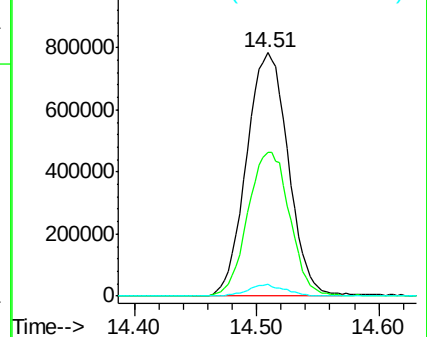
175 4.3 3.5 5.3

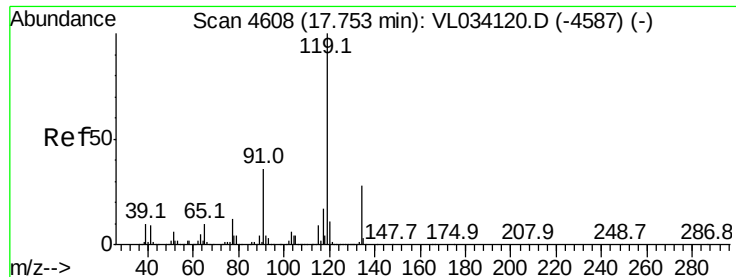


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#69

p-Isopropyltoluene

Concen: 0.277 ppbv

RT: 17.74 min Scan# 4605

Delta R.T. -0.01 min

Lab File: VL034123.D

Acq: 5 Sep 2019 4:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

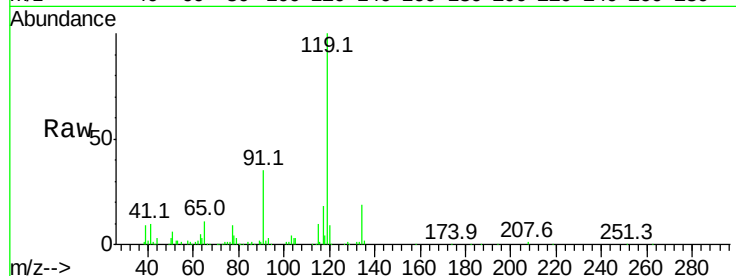
Tgt Ion: 119 Resp: 104830

Ion Ratio Lower Upper

119 100

134 50.6 20.8 31.2#

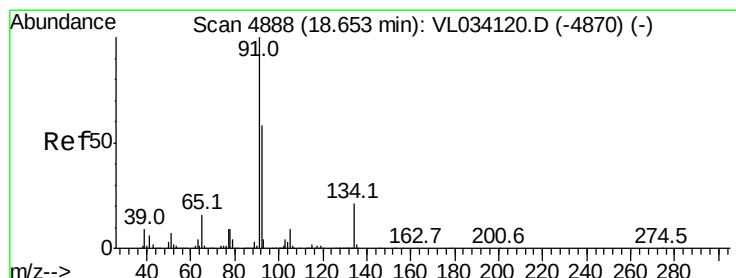
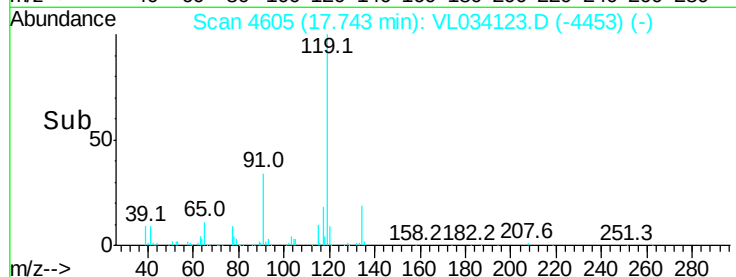
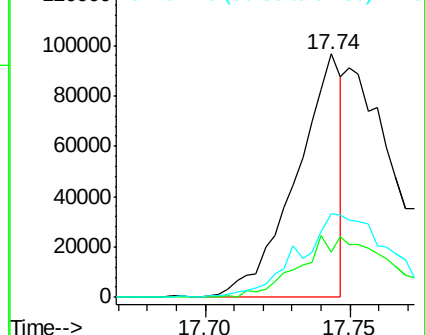
91 69.5 27.2 40.8#



Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70

n-Butylbenzene

Concen: 0.588 ppbv

RT: 18.65 min Scan# 4887

Delta R.T. -0.00 min

Lab File: VL034123.D

Acq: 5 Sep 2019 4:27

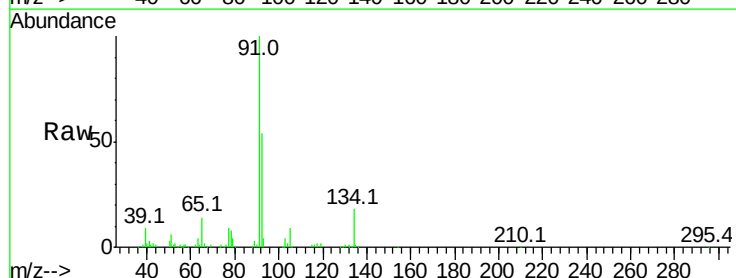
Tgt Ion: 91 Resp: 254141

Ion Ratio Lower Upper

91 100

92 52.2 45.3 67.9

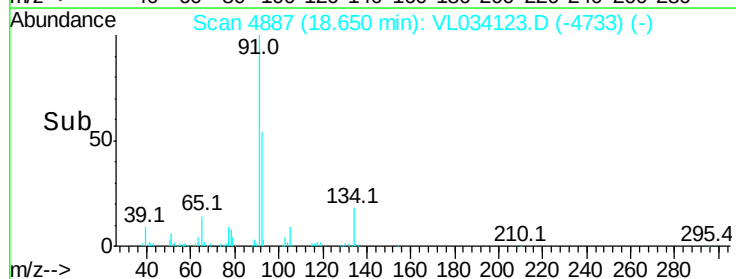
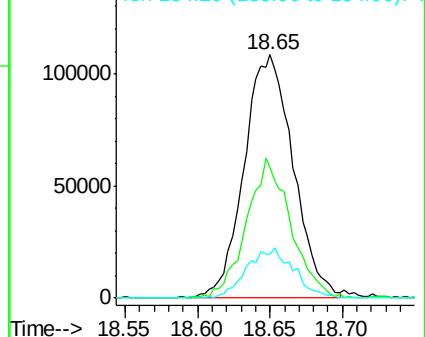
134 19.8 17.4 26.0

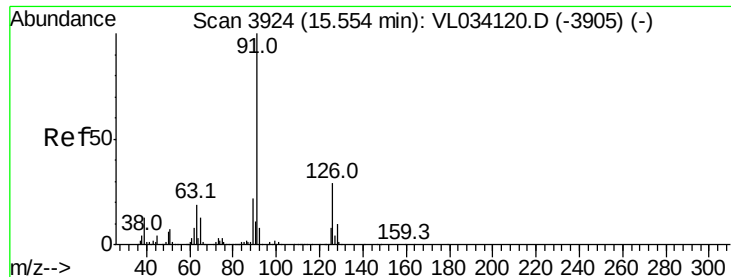


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 0.566 ppbv

RT: 15.55 min Scan# 3923

Delta R.T. -0.00 min

Lab File: VL034123.D

Acq: 5 Sep 2019 4:27

Instrument :

MSVOA_L

ClientSampleId :

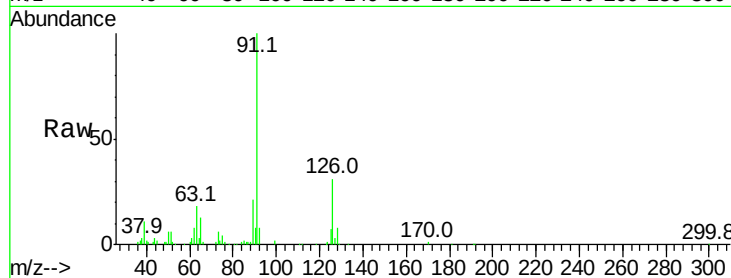
VSTDIC0.5

Tgt Ion: 91 Resp: 176831

Ion Ratio Lower Upper

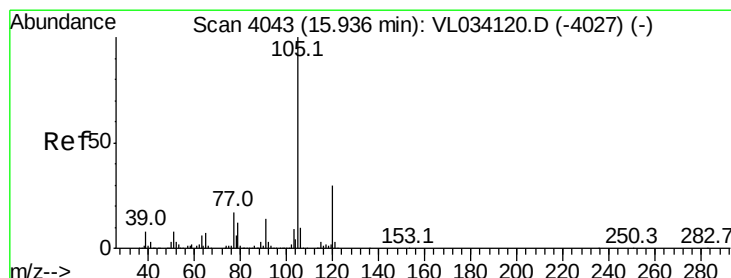
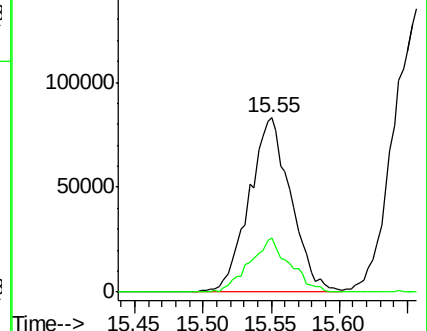
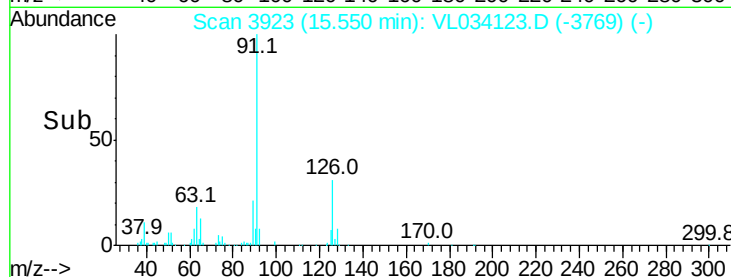
91 100

126 29.6 11.4 45.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 0.562 ppbv

RT: 15.93 min Scan# 4042

Delta R.T. -0.00 min

Lab File: VL034123.D

Acq: 5 Sep 2019 4:27

Tgt Ion: 105 Resp: 186226

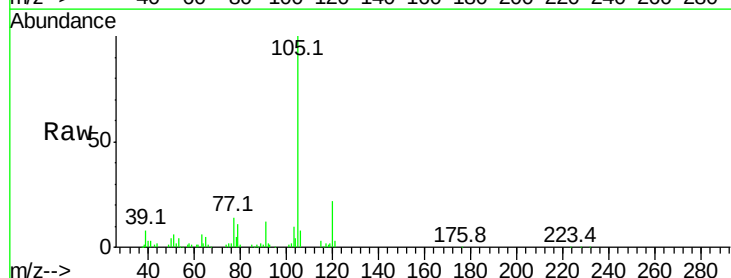
Ion Ratio Lower Upper

105 100

120 28.1 23.8 35.6

91 15.0 11.4 17.0

77 16.1 12.6 18.8

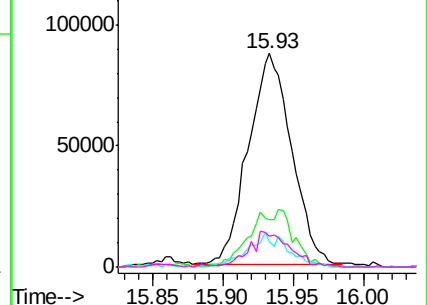
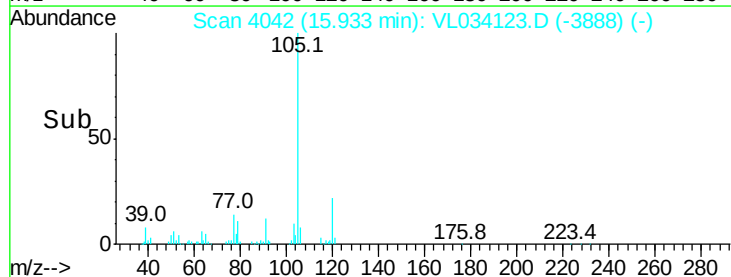


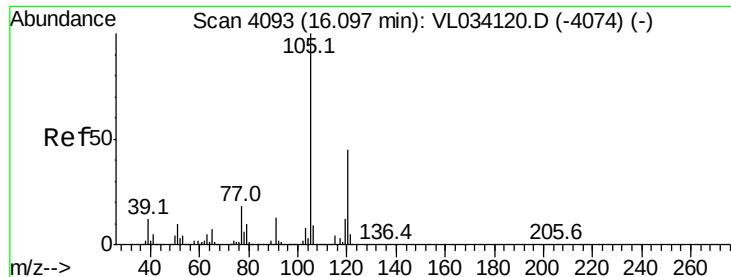
Abundance Ion 105.10 (104.80 to 105.80): V

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: 0.565 ppbv

RT: 16.09 min Scan# 4091

Delta R.T. -0.01 min

Lab File: VL034123.D

Acq: 5 Sep 2019 4:27

Instrument :

MSVOA_L

ClientSampleId :

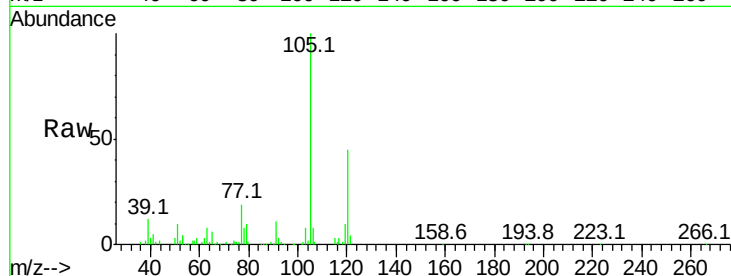
VSTDIC0.5

Tgt Ion:105 Resp: 182153

Ion Ratio Lower Upper

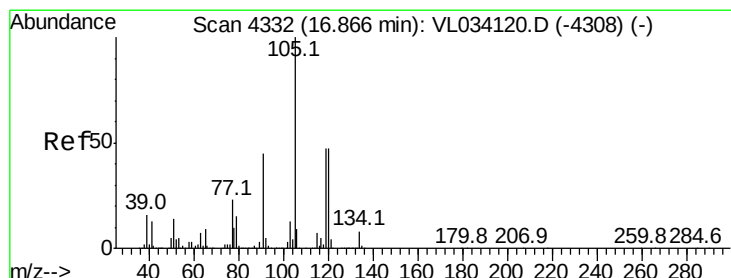
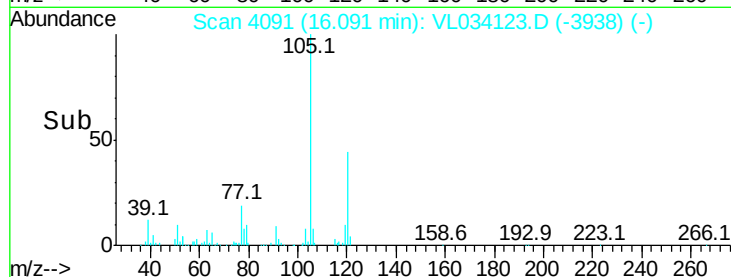
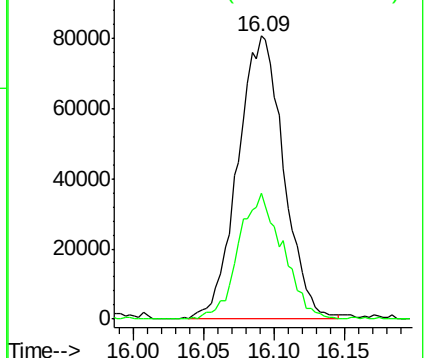
105 100

120 44.8 35.8 53.8



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: 0.592 ppbv

RT: 16.86 min Scan# 4329

Delta R.T. -0.01 min

Lab File: VL034123.D

Acq: 5 Sep 2019 4:27

Tgt Ion:105 Resp: 196542

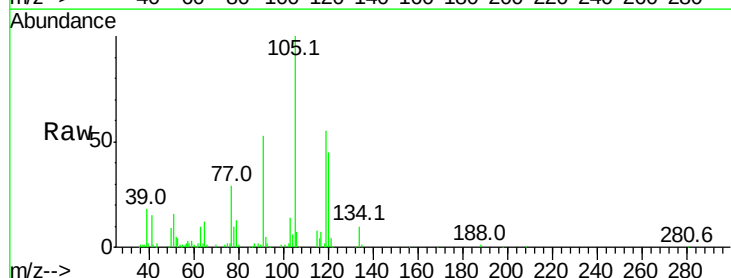
Ion Ratio Lower Upper

105 100

120 44.1 37.7 56.5

91 50.9 36.2 54.2

77 28.0 18.5 27.7#

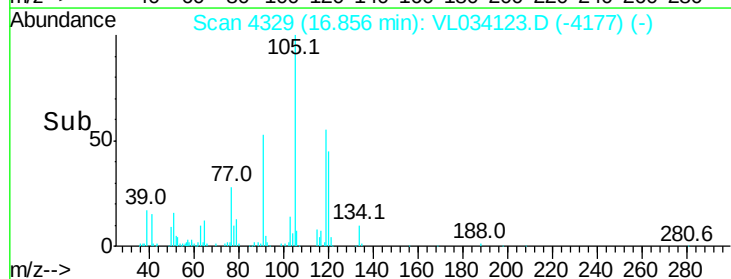
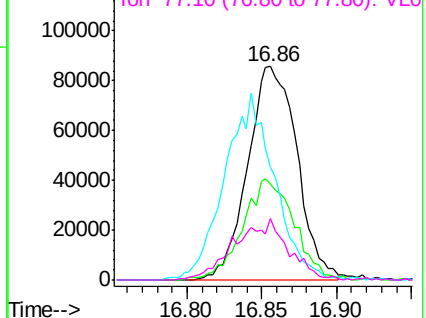


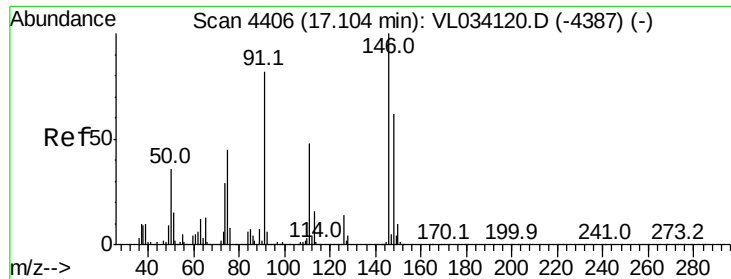
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

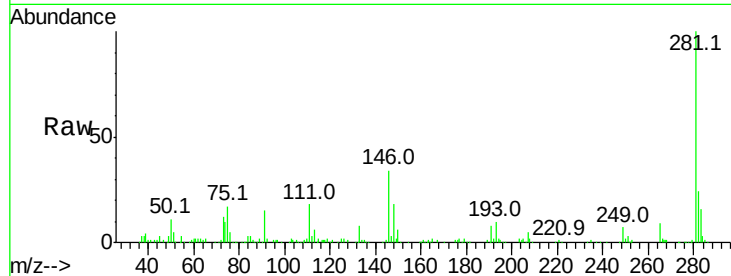




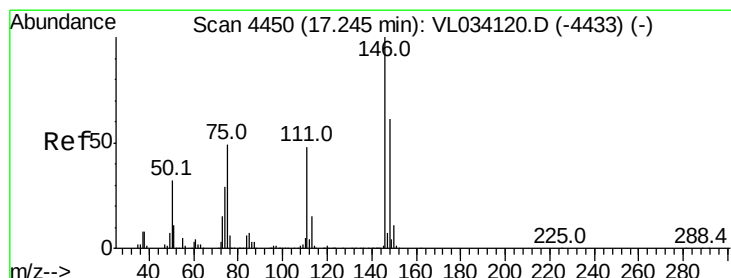
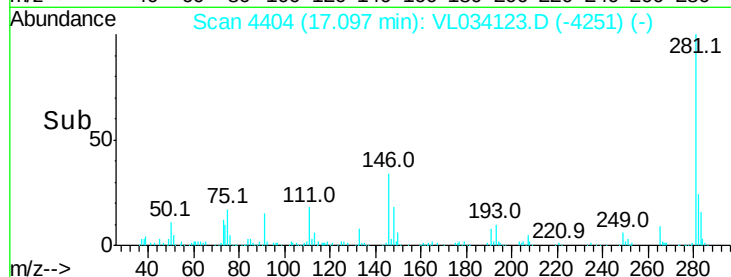
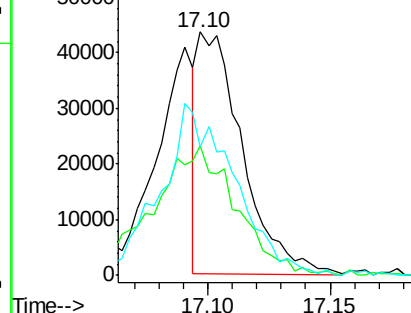
#75
 1,3-Dichlorobenzene
 Concen: 0.313 ppbv
 RT: 17.10 min Scan# 4404
 Delta R.T. -0.01 min
 Lab File: VL034123.D
 Acq: 5 Sep 2019 4:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion:146 Resp: 54967
 Ion Ratio Lower Upper
 146 100
 111 111.1 24.9 74.7#
 148 0.0 32.5 97.5#

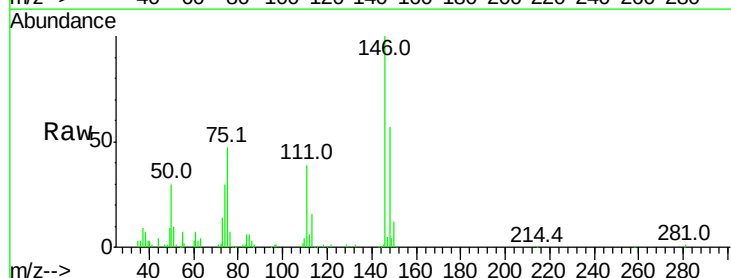


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

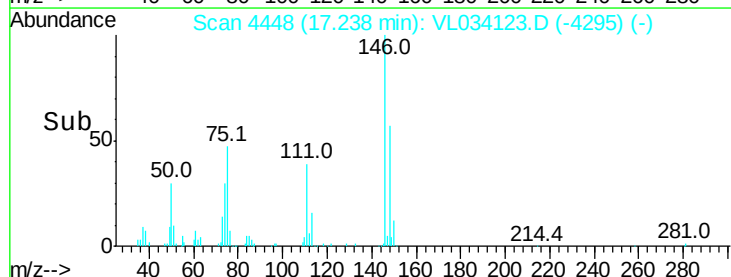
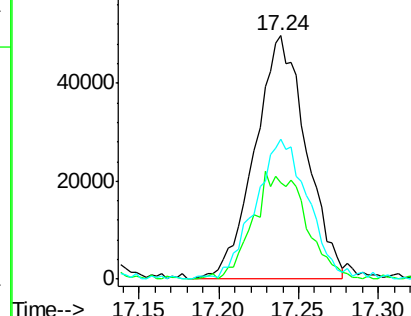


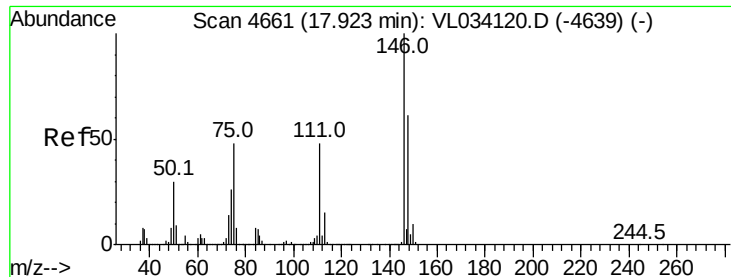
#76
 1,4-Dichlorobenzene
 Concen: 0.594 ppbv
 RT: 17.24 min Scan# 4448
 Delta R.T. -0.01 min
 Lab File: VL034123.D
 Acq: 5 Sep 2019 4:27

Tgt Ion:146 Resp: 110068
 Ion Ratio Lower Upper
 146 100
 111 45.6 24.3 72.8
 148 60.6 32.6 98.0



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: 0.254 ppbv

RT: 17.91 min Scan# 4658

Delta R.T. -0.01 min

Lab File: VL034123.D

Acq: 5 Sep 2019 4:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

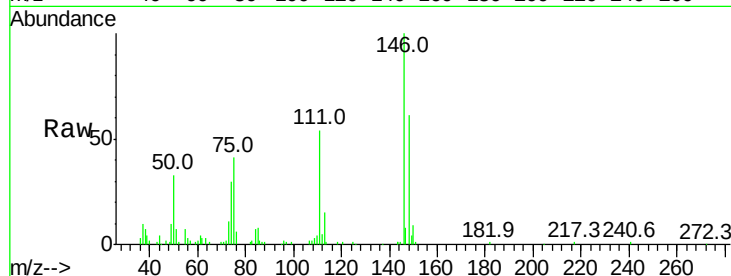
Tgt Ion:146 Resp: 45655

Ion Ratio Lower Upper

146 100

111 116.3 25.1 75.4#

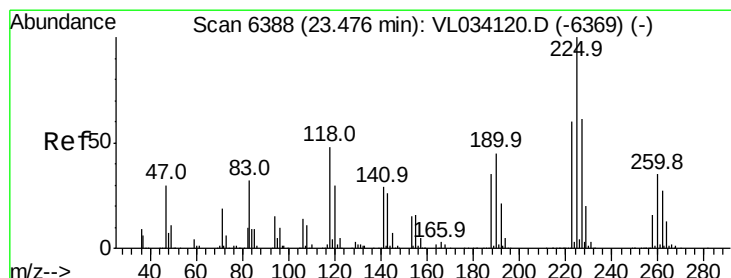
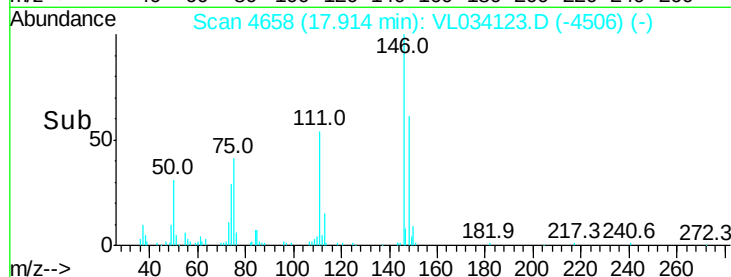
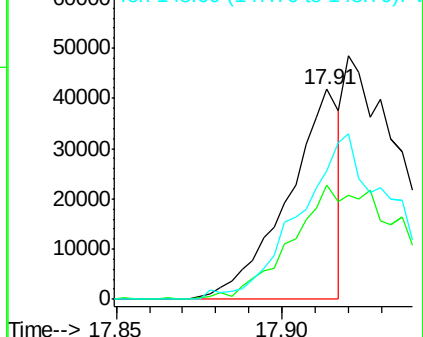
148 0.0 32.0 96.2#



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 0.305 ppbv

RT: 23.47 min Scan# 6386

Delta R.T. -0.01 min

Lab File: VL034123.D

Acq: 5 Sep 2019 4:27

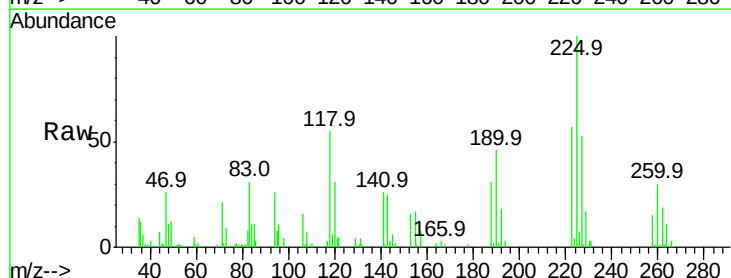
Tgt Ion:225 Resp: 37386

Ion Ratio Lower Upper

225 100

223 0.0 50.3 75.5#

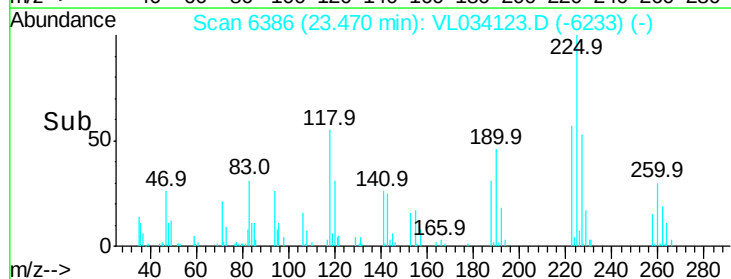
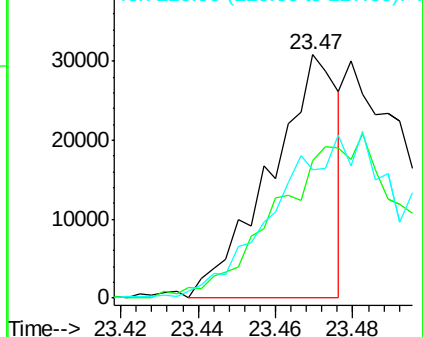
227 0.0 50.9 76.3#

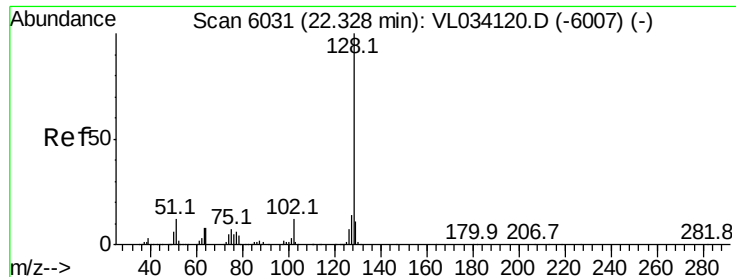


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 0.508 ppbv

RT: 22.33 min Scan# 6032

Delta R.T. 0.00 min

Lab File: VL034123.D

Acq: 5 Sep 2019 4:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

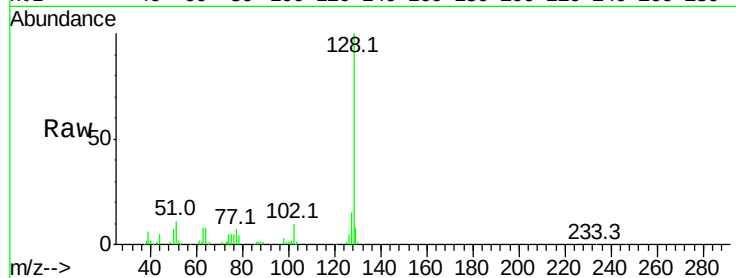
Tgt Ion:128 Resp: 152404

Ion Ratio Lower Upper

128 100

127 15.7 10.9 16.3

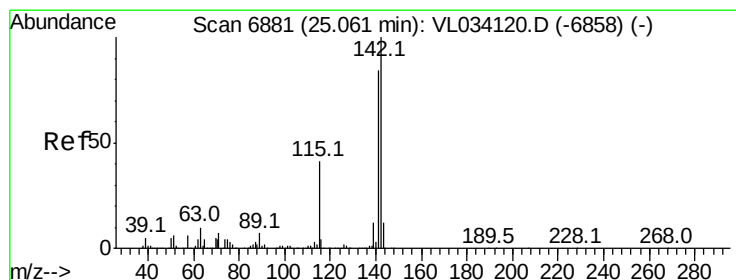
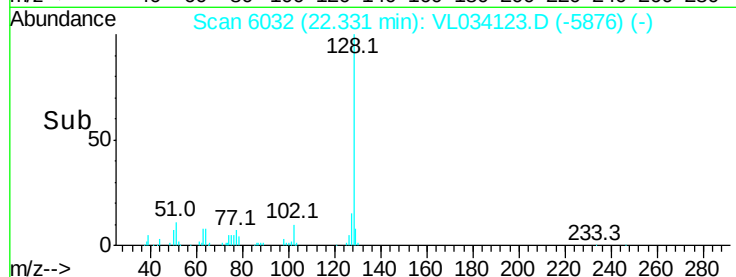
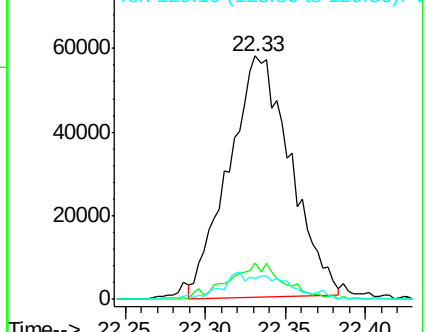
129 8.8 8.5 12.7



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene,2-methyl-

Concen: 0.282 ppbv

RT: 25.06 min Scan# 6881

Delta R.T. -0.00 min

Lab File: VL034123.D

Acq: 5 Sep 2019 4:27

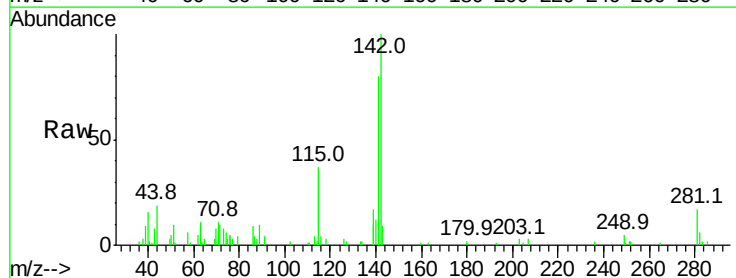
Tgt Ion:142 Resp: 29406

Ion Ratio Lower Upper

142 100

141 88.5 67.6 101.4

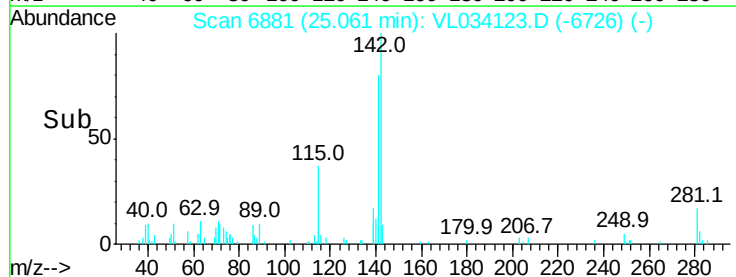
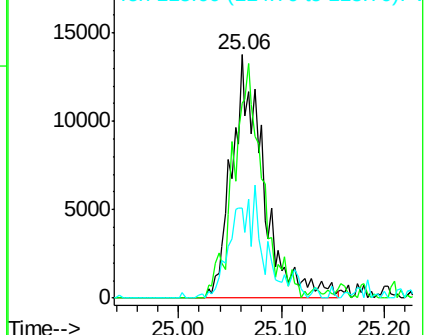
115 46.3 34.6 52.0

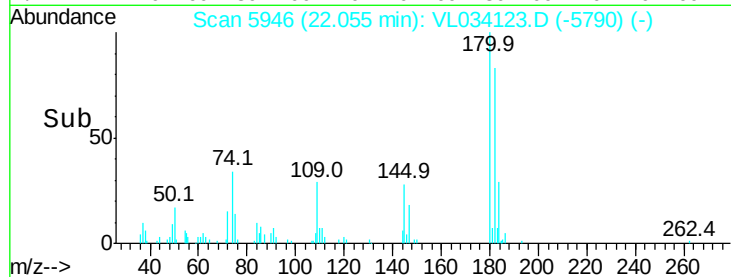
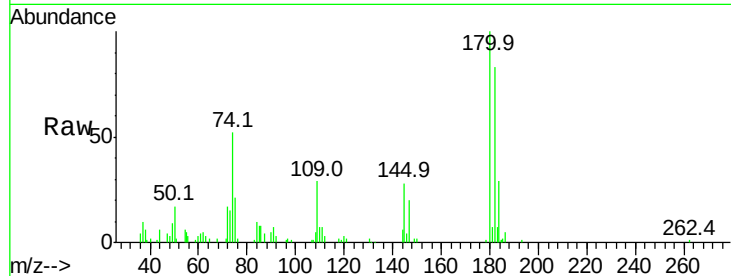
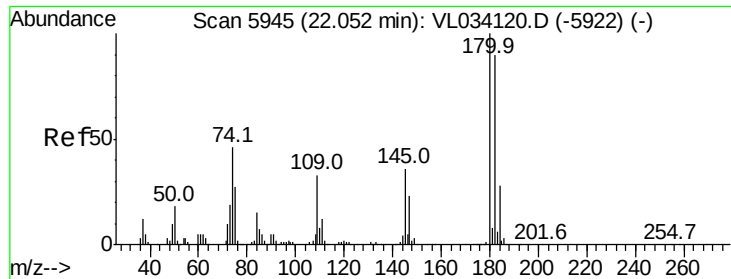


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 0.425 ppbv

RT: 22.05 min Scan# 5946

Delta R.T. 0.00 min

Lab File: VL034123.D

Acq: 5 Sep 2019 4:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion:180 Resp: 69334

Ion Ratio Lower Upper

180 100

182 130.6 77.0 115.4#

184 43.9 25.5 38.3#

