

Data File : VL034301.D
Acq On : 16 Oct 2019 14:49
Operator : SY/AP
Sample : VSTDIC0.5
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Quant Time: Oct 16 16:58:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101619AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Oct 16 16:52:05 2019
QLast Update : Wed Oct 16 16:52:05 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	1161953	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.21	114	2205808	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.16	117	2220866	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.49	95	1906583	9.88	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.17	85	94238	0.549	ppbv	99
3) Chlorodifluoromethane	2.97	51	71471	0.525	ppbv	99
4) Chloromethane	3.12	50	41411	0.517	ppbv	100
5) Vinyl Chloride	3.24	62	38331	0.524	ppbv	89
6) Bromomethane	3.46	94	19710	0.577	ppbv #	79
7) Chloroethane	3.55	64	13718	0.536	ppbv #	86
8) Dichlorotetrafluoroethane	3.17	85	94238	0.622	ppbv	100
9) Propene	2.99	41	29743	0.442	ppbv	97
10) Heptane	8.17	43	70751	0.404	ppbv	97
11) Trichlorofluoromethane	3.94	101	103486	0.662	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.49	101	66413	0.650	ppbv	97
13) Ethanol	3.60	45	7986	0.491	ppbv #	58
14) Bromoethene	3.74	108	23117	0.553	ppbv #	92
15) Acetone	3.85	43	100940	0.648	ppbv	99
16) 1,3-Butadiene	3.31	39	32122	0.473	ppbv	89
18) 1,1-Dichloroethene	4.29	96	27794	0.623	ppbv #	77
19) Isopropyl Alcohol	3.98	45	55404	0.579	ppbv #	98
20) Methylene Chloride	4.35	84	35305	0.786	ppbv	90
21) Allyl Chloride	4.41	41	43425	0.494	ppbv	90
22) trans-1,2-Dichloroethene	4.90	96	25820	0.579	ppbv	96
23) Vinyl Acetate	5.09	43	95034	0.414	ppbv #	97
24) 1,1-Dichloroethane	5.02	63	77755	0.503	ppbv	96
25) Ethyl Acetate	5.70	43	148534	0.504	ppbv	98
26) Hexane	5.71	57	57908	0.473	ppbv	86
27) Carbon Disulfide	4.56	76	52668	0.466	ppbv #	90
28) Methyl tert-Butyl Ether	5.05	73	44831	0.246	ppbv #	51
29) Chloroform	5.78	83	52453	0.300	ppbv	91
30) Cyclohexane	7.16	84	11797	0.133	ppbv #	1
31) cis-1,2-Dichloroethene	5.57	61	53806	0.431	ppbv #	89
32) 1,1,1-Trichloroethane	6.54	97	86406	0.512	ppbv	96
34) 2-Butanone	5.27	43	91368	0.406	ppbv	96
35) Carbon Tetrachloride	7.05	117	62087	0.339	ppbv #	87
36) Benzene	6.93	78	102289	0.420	ppbv	97
37) 1,2-Dichloroethane	6.33	62	78770	0.455	ppbv	100
38) Trichloroethene	7.88	130	39983	0.459	ppbv #	76
39) 1,2-Dichloropropane	7.65	63	20008	0.183	ppbv	91
40) 1,4-Dioxane	7.91	88	7723	0.218	ppbv #	1
42) Bromodichloromethane	7.83	83	94012	0.452	ppbv #	83
43) Methyl Methacrylate	8.05	69	11979	0.119	ppbv #	1
44) 2,2,4-Trimethylpentane	7.91	57	90848	0.194	ppbv #	40
45) t-1,3-Dichloropropene	9.33	75	42055	0.353	ppbv #	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.75	75	49150	0.343	ppbv	# 83
47) 1,1,2-Trichloroethane	9.53	97	28682	0.292	ppbv	# 85
48) Dibromochloromethane	10.36	129	36496	0.234	ppbv	# 10
49) Bromoform	13.10	173	54544	0.433	ppbv	# 98
50) 4-Methyl-2-Pentanone	8.80	43	115830	0.353	ppbv	# 97
51) 2-Hexanone	10.21	43	85144	0.310	ppbv	# 100
52) Tetrachloroethene	11.28	164	27953	0.347	ppbv	# 80
53) Toluene	9.86	91	103688	0.389	ppbv	# 99
54) 1,2-Dibromoethane	10.67	107	68276	0.467	ppbv	# 80
56) 1,1,1,2-Tetrachloroethane	12.19	131	24766	0.250	ppbv	# 6
57) Chlorobenzene	12.22	112	101584	0.525	ppbv	# 88
58) Ethyl Benzene	12.78	91	147767	0.412	ppbv	# 88
59) m/p-Xylene	13.07	91	22142	0.075	ppbv	# 1
60) o-Xylene	13.76	91	136768	0.461	ppbv	# 93
61) Styrene	13.60	104	82269	0.387	ppbv	# 98
62) Isopropylbenzene	14.74	105	179586	0.467	ppbv	# 98
63) 1,1,2,2-Tetrachloroethane	13.75	83	105922	0.435	ppbv	# 98
64) n-propylbenzene	15.64	120	36559	0.376	ppbv	# 38
65) tert-Butylbenzene	16.82	119	147044	0.438	ppbv	# 90
66) Benzyl Chloride	17.06	91	6083	0.051	ppbv	# 68
67) sec-Butylbenzene	17.38	105	221260	0.461	ppbv	# 95
69) p-Isopropyltoluene	17.74	119	63621	0.164	ppbv	# 44
70) n-Butylbenzene	18.63	91	190255	0.420	ppbv	# 96
71) 2-Chlorotoluene	15.53	91	132959	0.424	ppbv	# 100
72) 4-Ethyltoluene	15.92	105	52908	0.158	ppbv	# 54
73) 1,3,5-Trimethylbenzene	16.07	105	147260	0.455	ppbv	# 91
74) 1,2,4-Trimethylbenzene	16.83	105	151291	0.440	ppbv	# 89
75) 1,3-Dichlorobenzene	17.08	146	47290	0.256	ppbv	# 20
76) 1,4-Dichlorobenzene	17.22	146	88728	0.469	ppbv	# 95
77) 1,2-Dichlorobenzene	17.91	146	35553	0.190	ppbv	# 1
78) Hexachloro-1,3-Butadiene	23.47	225	28517	0.231	ppbv	# 1
79) Naphthalene	22.32	128	41322	0.136	ppbv	# 92
80) Naphthalene,2-methyl-	25.06	142	17055	0.121	ppbv	# 97
81) 1,2,4-Trichlorobenzene	22.04	180	15699	0.094	ppbv	# 11

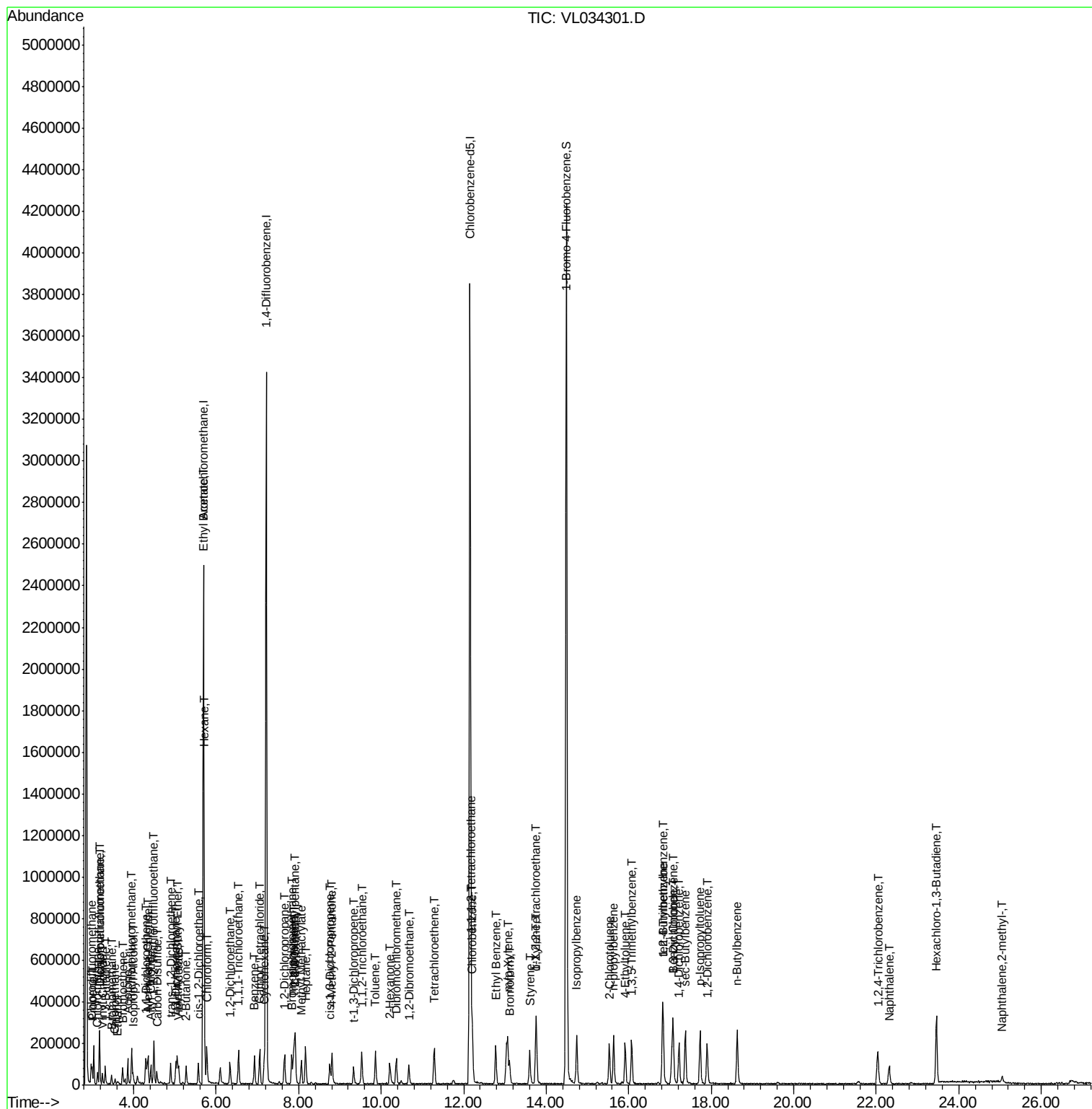
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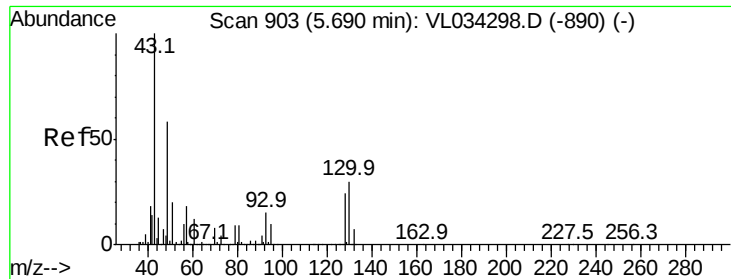
Data File : VL034301.D

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Acq On       : 16 Oct 2019  14:49
Operator     : SY/AP
Sample       : VSTDICC0.5
Misc         : 400ml/MSVOA_L
ALS Vial     : 1      Sample Multipl
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MSVOA_L
ClientSampleId :
VSTDICC0.5

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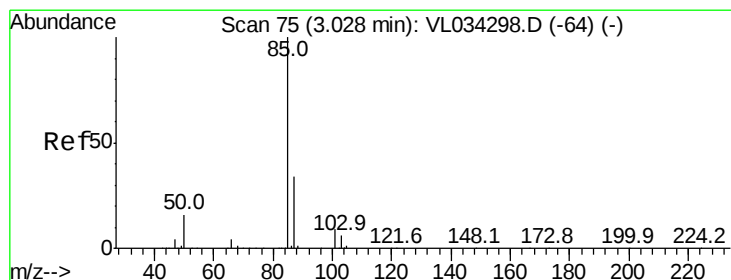
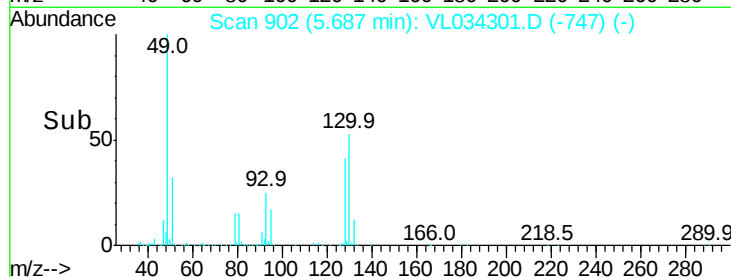
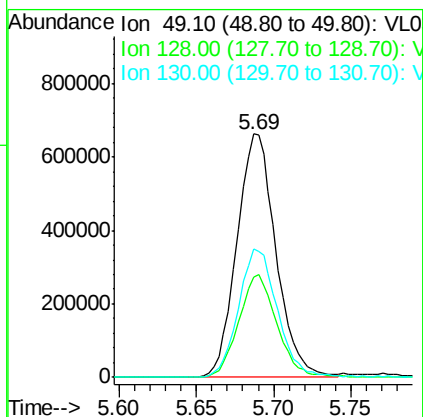
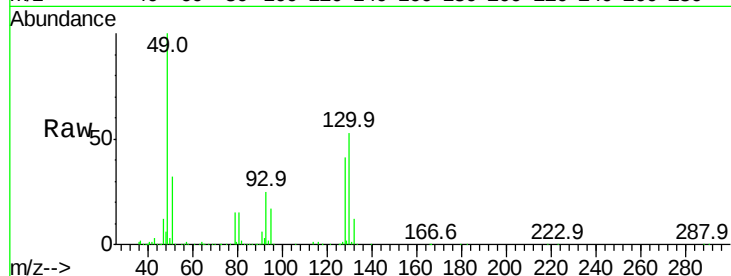




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.69 min Scan# 902
 Delta R.T. -0.00 min
 Lab File: VL034301.D
 Acq: 16 Oct 2019 14:49

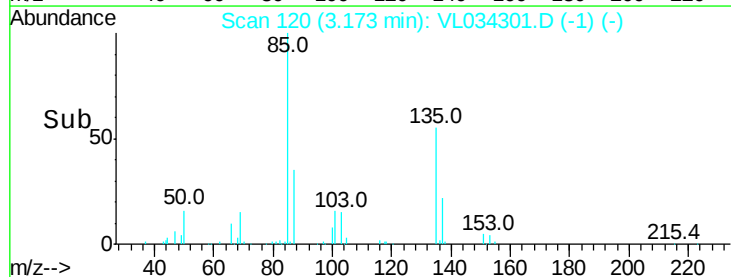
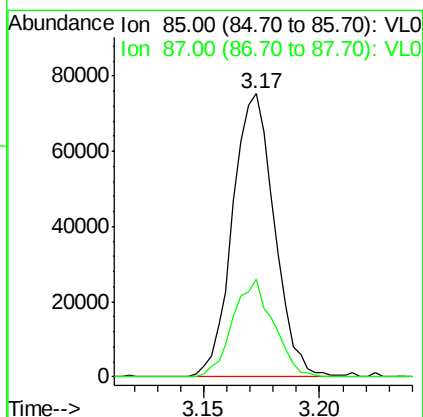
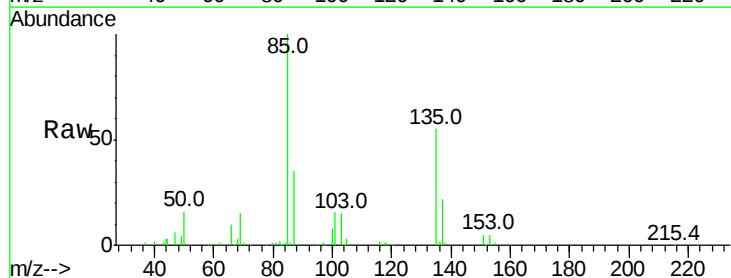
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

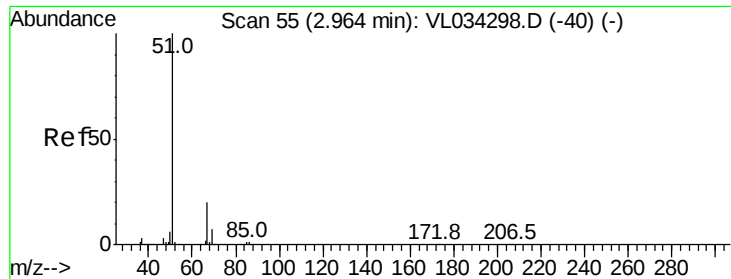
Tgt Ion: 49 Resp: 1161953
 Ion Ratio Lower Upper
 49 100
 128 41.8 20.6 61.8
 130 53.0 26.2 78.5



#2
 Dichlorodifluoromethane
 Concen: 0.549 ppbv
 RT: 3.17 min Scan# 120
 Delta R.T. 0.14 min
 Lab File: VL034301.D
 Acq: 16 Oct 2019 14:49

Tgt Ion: 85 Resp: 94238
 Ion Ratio Lower Upper
 85 100
 87 34.6 27.0 40.6





#3

Chlorodifluoromethane

Concen: 0.525 ppbv

RT: 2.97 min Scan# 57

Delta R.T. 0.01 min

Lab File: VL034301.D

Acq: 16 Oct 2019 14:49

Instrument :

MSVOA_L

ClientSampleId :

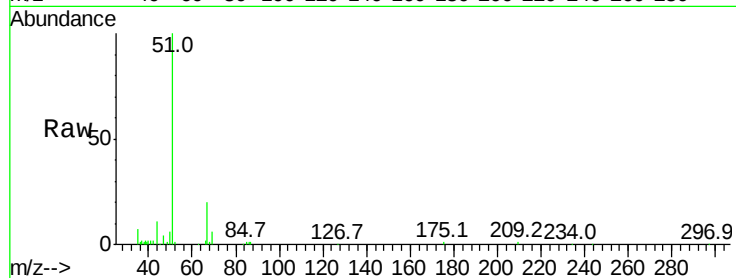
VSTDIC0.5

Tgt Ion: 51 Resp: 71471

Ion Ratio Lower Upper

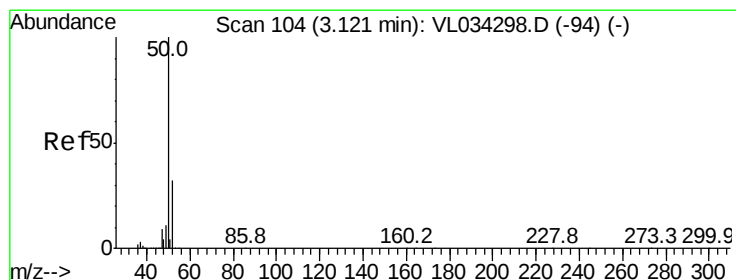
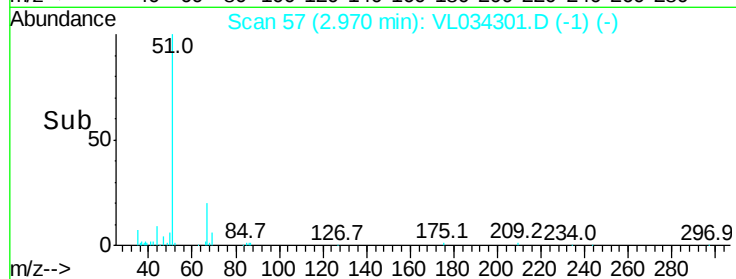
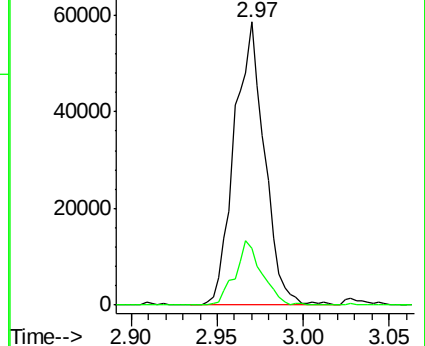
51 100

67 20.3 15.8 23.8



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.517 ppbv

RT: 3.12 min Scan# 104

Delta R.T. -0.00 min

Lab File: VL034301.D

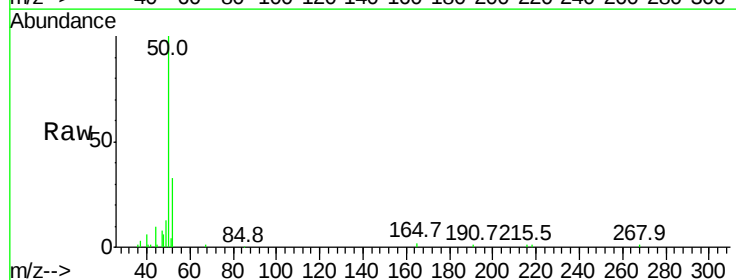
Acq: 16 Oct 2019 14:49

Tgt Ion: 50 Resp: 41411

Ion Ratio Lower Upper

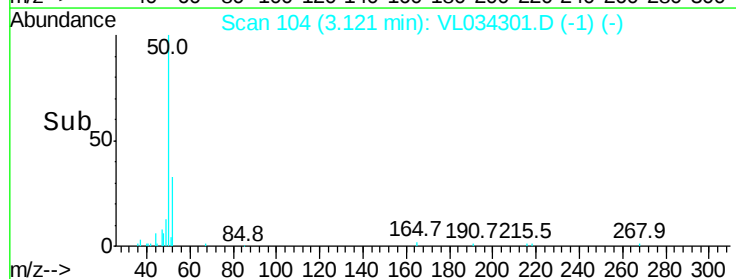
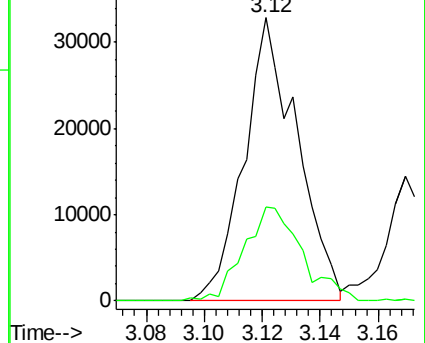
50 100

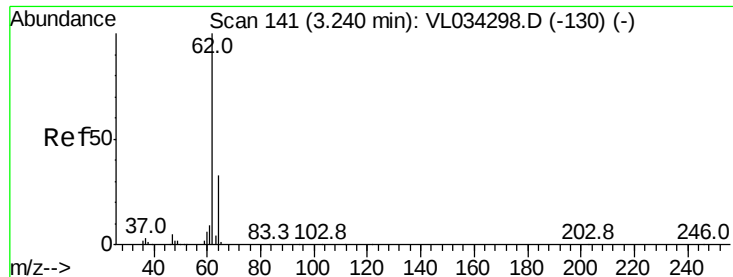
52 32.1 25.4 38.2



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.524 ppbv

RT: 3.24 min Scan# 142

Delta R.T. 0.00 min

Lab File: VL034301.D

Acq: 16 Oct 2019 14:49

Instrument :

MSVOA_L

ClientSampleId :

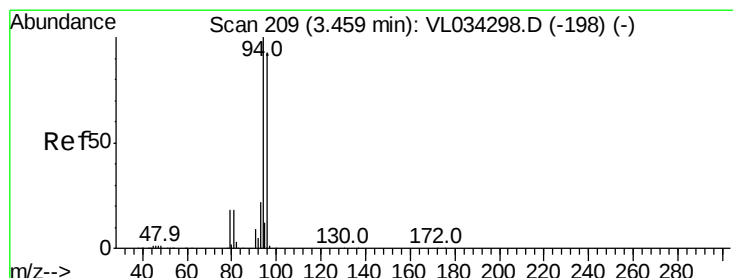
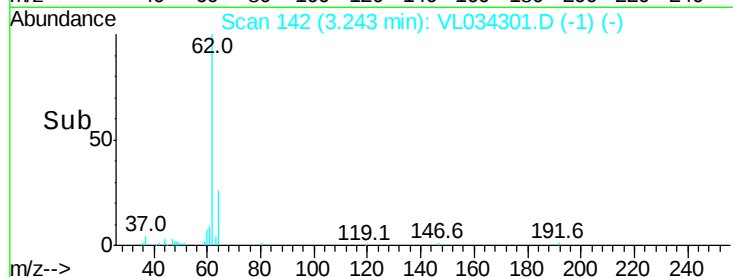
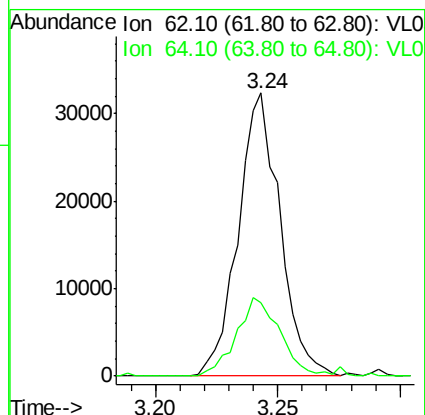
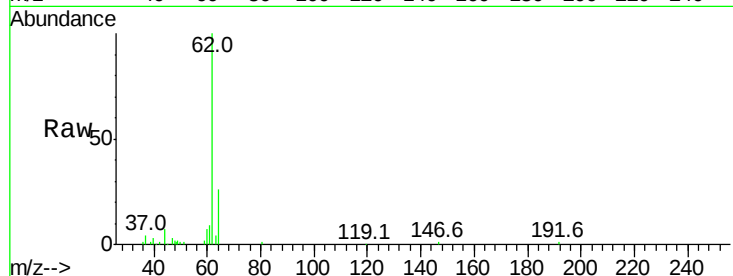
VSTDIC0.5

Tgt Ion: 62 Resp: 38331

Ion Ratio Lower Upper

62 100

64 26.1 26.0 39.0



#6

Bromomethane

Concen: 0.577 ppbv

RT: 3.46 min Scan# 210

Delta R.T. 0.00 min

Lab File: VL034301.D

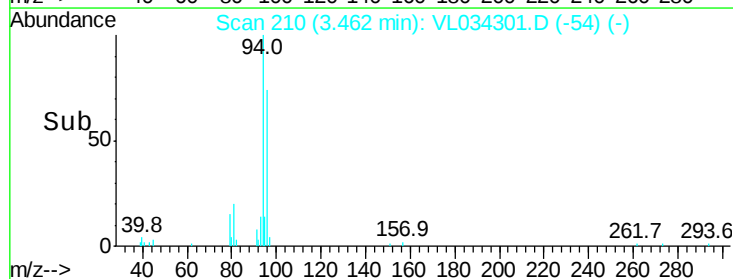
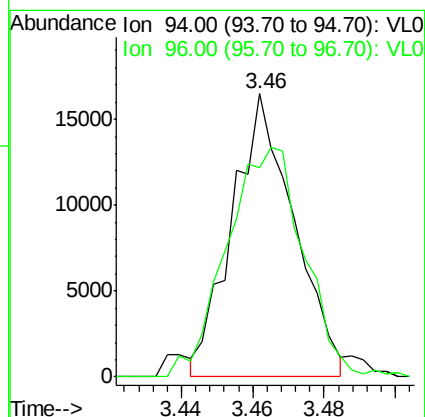
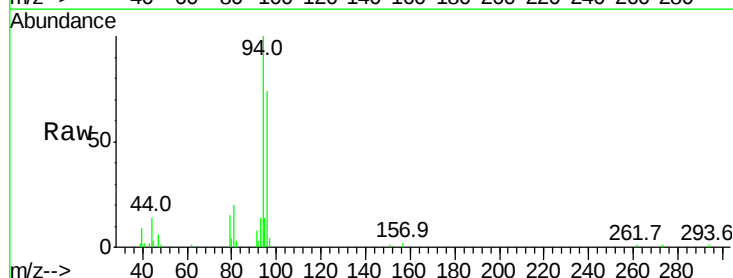
Acq: 16 Oct 2019 14:49

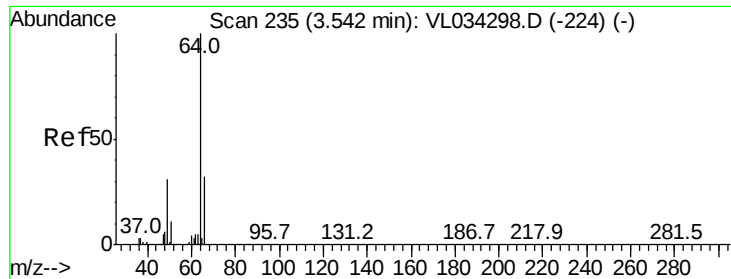
Tgt Ion: 94 Resp: 19710

Ion Ratio Lower Upper

94 100

96 73.5 74.6 112.0#





#7

Chloroethane

Concen: 0.536 ppbv

RT: 3.55 min Scan# 237

Delta R.T. 0.01 min

Lab File: VL034301.D

Acq: 16 Oct 2019 14:49

Instrument :

MSVOA_L

ClientSampleId :

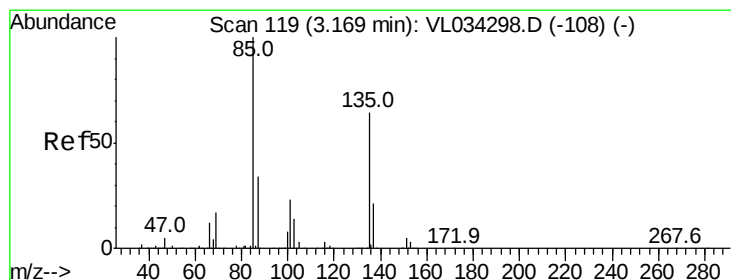
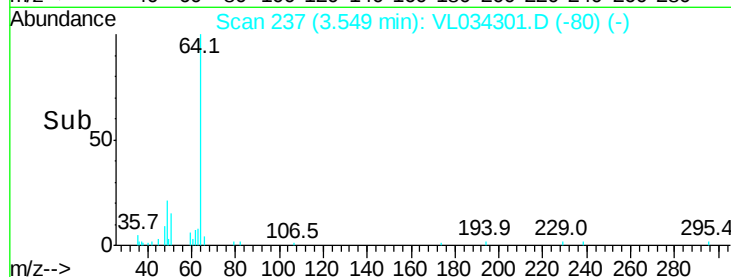
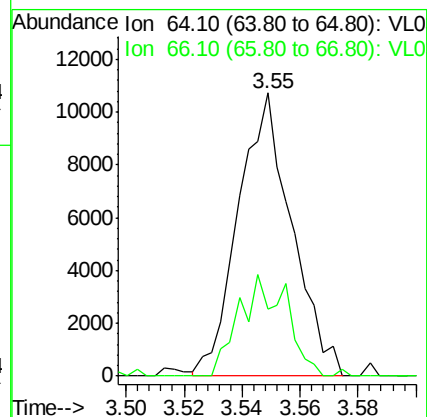
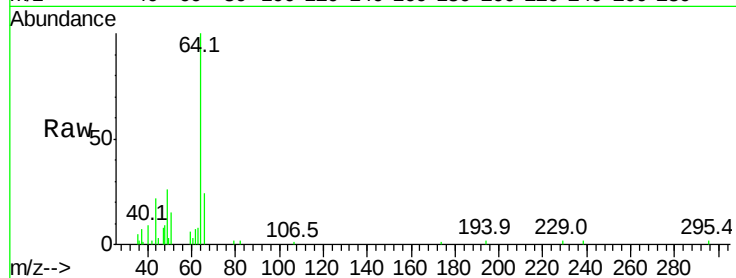
VSTDIC0.5

Tgt Ion: 64 Resp: 13718

Ion Ratio Lower Upper

64 100

66 23.8 25.4 38.0#



#8

Dichlorotetrafluoroethane

Concen: 0.622 ppbv

RT: 3.17 min Scan# 120

Delta R.T. 0.00 min

Lab File: VL034301.D

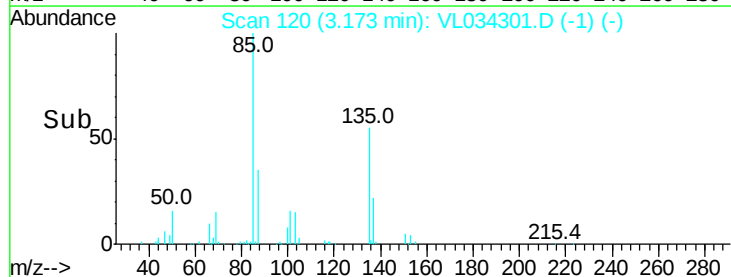
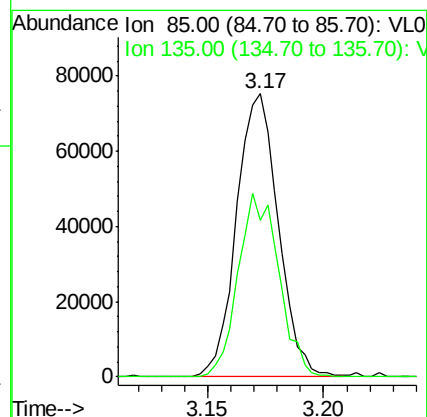
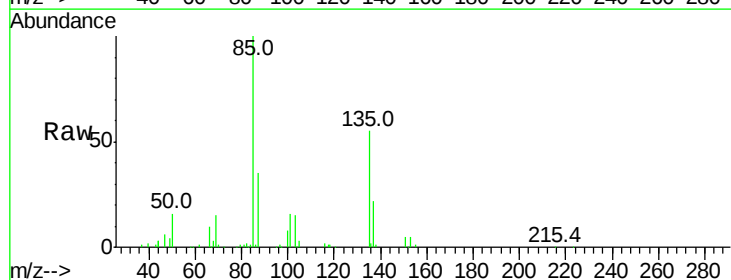
Acq: 16 Oct 2019 14:49

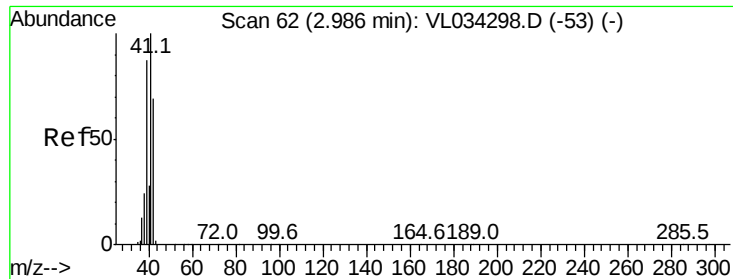
Tgt Ion: 85 Resp: 94238

Ion Ratio Lower Upper

85 100

135 63.1 50.2 75.2





#9

Propene

Concen: 0.442 ppbv

RT: 2.99 min Scan# 63

Delta R.T. 0.00 min

Lab File: VL034301.D

Acq: 16 Oct 2019 14:49

Instrument :

MSVOA_L

ClientSampleId :

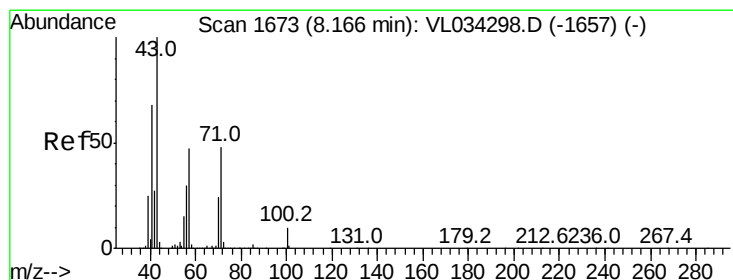
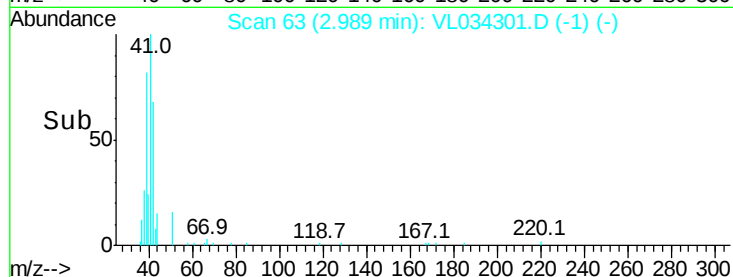
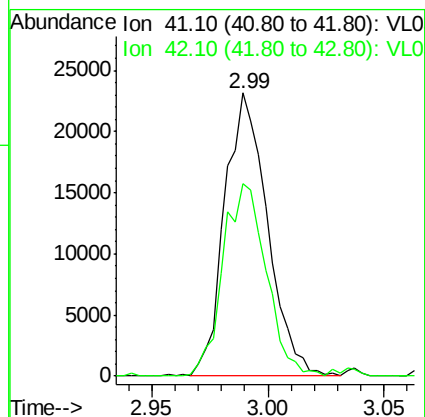
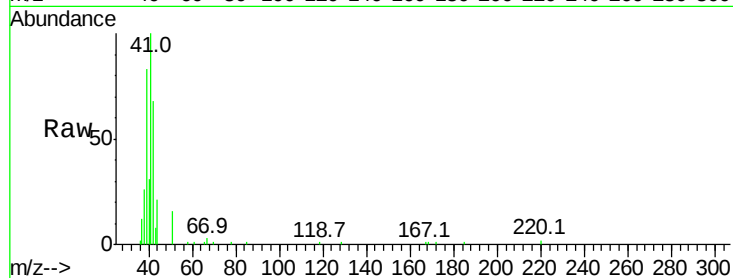
VSTDIC0.5

Tgt Ion: 41 Resp: 29743

Ion Ratio Lower Upper

41 100

42 70.1 53.9 80.9



#10

Heptane

Concen: 0.404 ppbv

RT: 8.17 min Scan# 1673

Delta R.T. -0.00 min

Lab File: VL034301.D

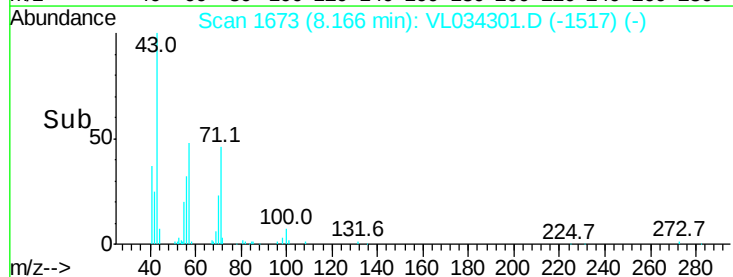
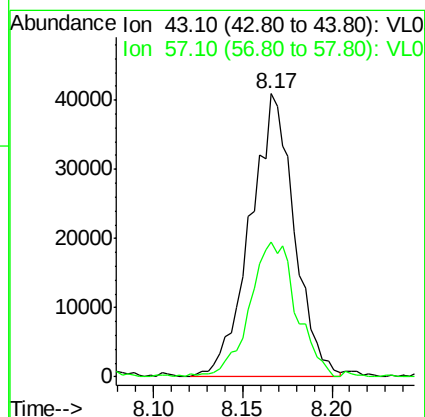
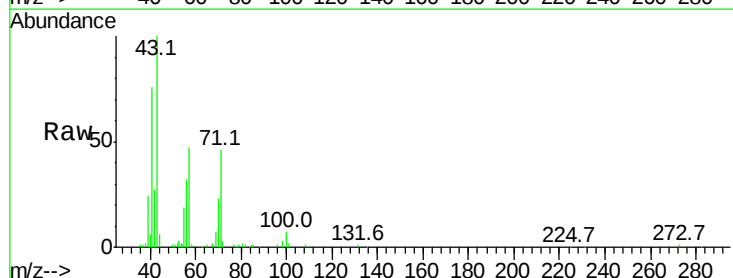
Acq: 16 Oct 2019 14:49

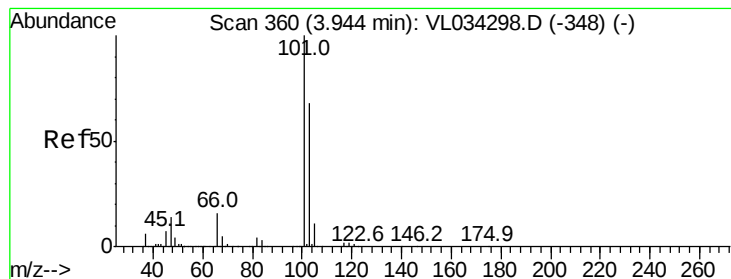
Tgt Ion: 43 Resp: 70751

Ion Ratio Lower Upper

43 100

57 51.3 39.5 59.3





#11

Trichlorofluoromethane

Concen: 0.662 ppbv

RT: 3.94 min Scan# 360

Delta R.T. -0.00 min

Lab File: VL034301.D

Acq: 16 Oct 2019 14:49

Instrument :

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ClientSampleId :

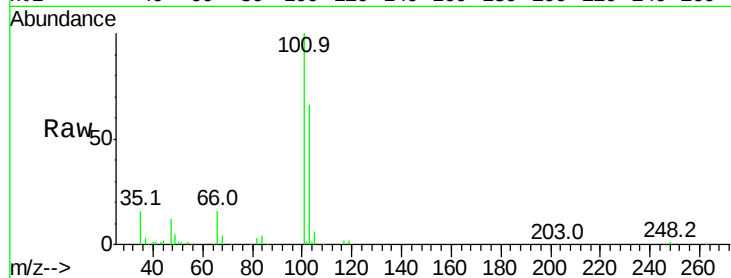
VSTDIC0.5

Tgt Ion:101 Resp: 103486

Ion Ratio Lower Upper

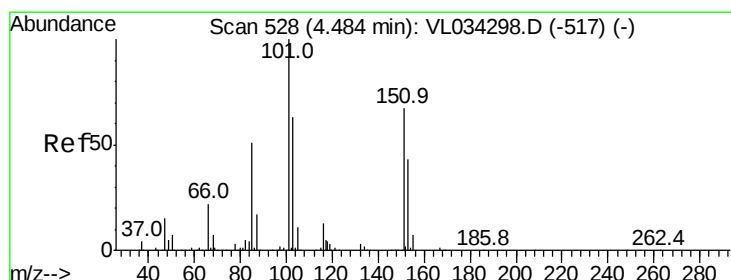
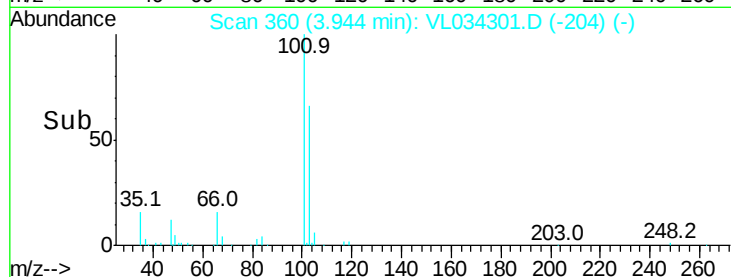
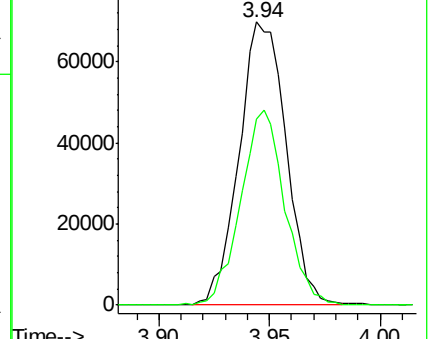
101 100

103 65.9 54.5 81.7



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: 0.650 ppbv

RT: 4.49 min Scan# 530

Delta R.T. 0.01 min

Lab File: VL034301.D

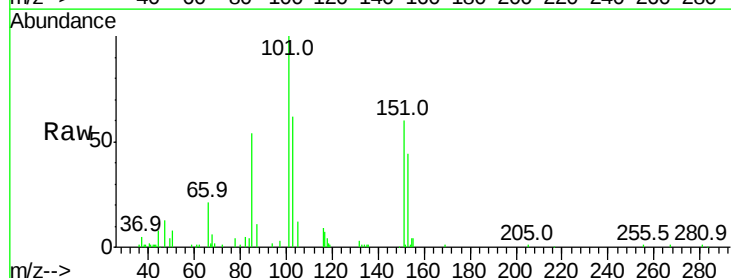
Acq: 16 Oct 2019 14:49

Tgt Ion:101 Resp: 66413

Ion Ratio Lower Upper

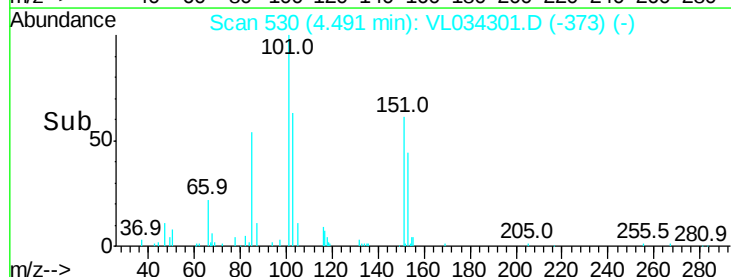
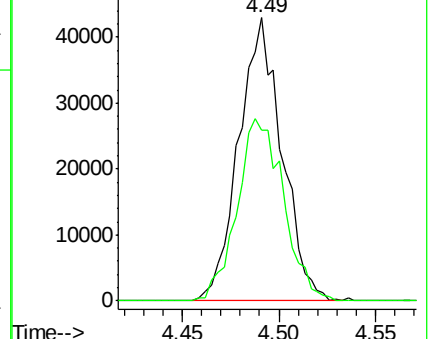
101 100

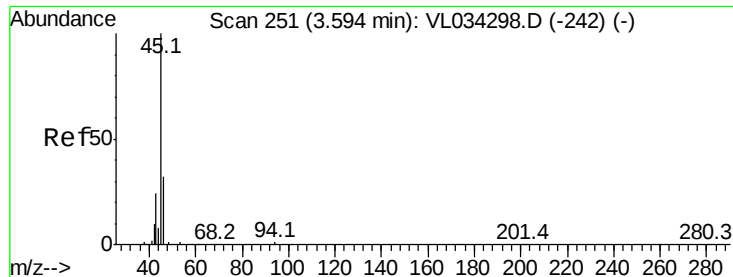
151 69.0 57.4 86.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 0.491 ppbv

RT: 3.60 min Scan# 254

Delta R.T. 0.01 min

Lab File: VL034301.D

Acq: 16 Oct 2019 14:49

Instrument :

MSVOA_L

ClientSampleId :

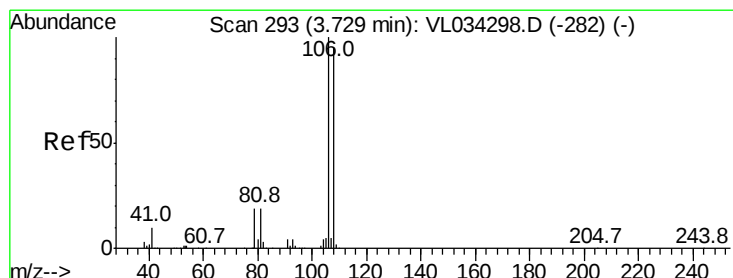
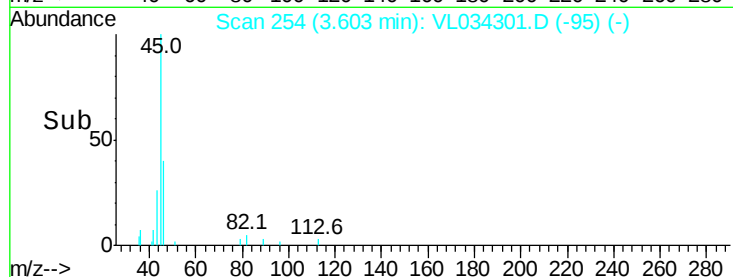
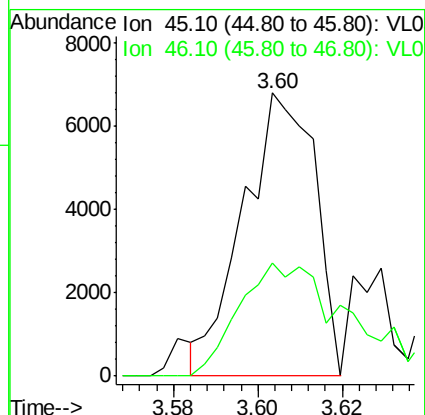
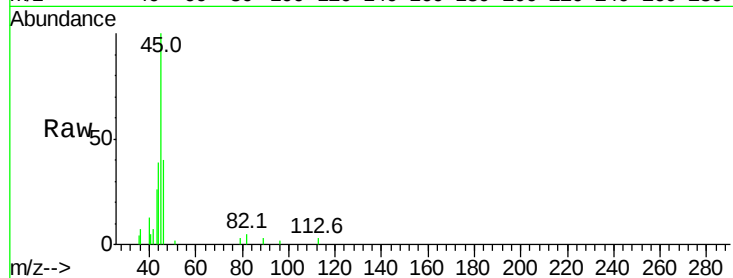
VSTDIC0.5

Tgt Ion: 45 Resp: 7986

Ion Ratio Lower Upper

45 100

46 65.3 15.8 63.2#



#14

Bromoethene

Concen: 0.553 ppbv

RT: 3.74 min Scan# 296

Delta R.T. 0.01 min

Lab File: VL034301.D

Acq: 16 Oct 2019 14:49

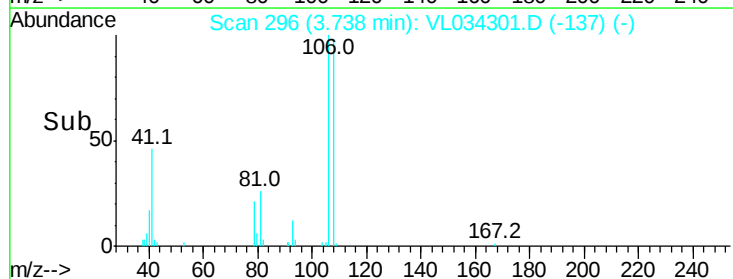
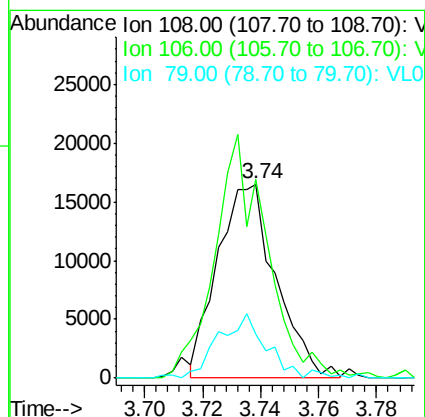
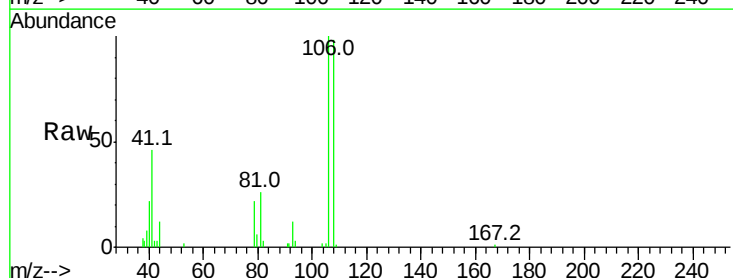
Tgt Ion: 108 Resp: 23117

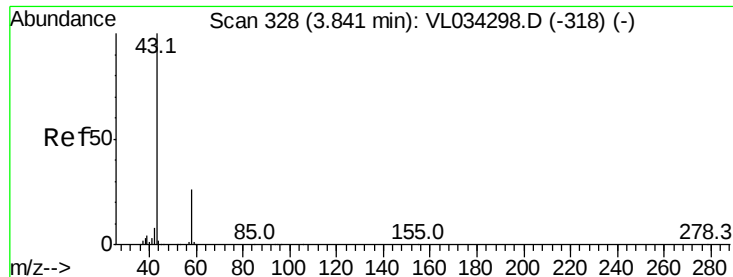
Ion Ratio Lower Upper

108 100

106 112.7 84.8 127.2

79 28.3 17.0 25.4#





#15

Acetone

Concen: 0.648 ppbv

RT: 3.85 min Scan# 332

Delta R.T. 0.01 min

Lab File: VL034301.D

Acq: 16 Oct 2019 14:49

Instrument :

MSVOA_L

ClientSampleId :

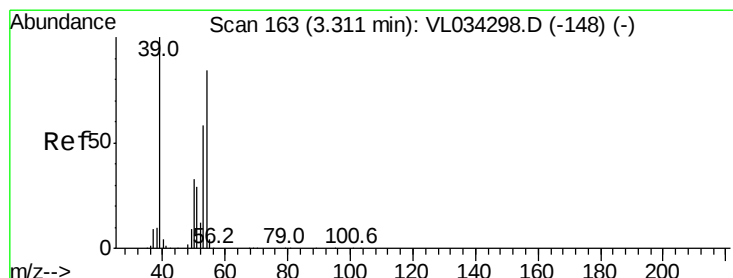
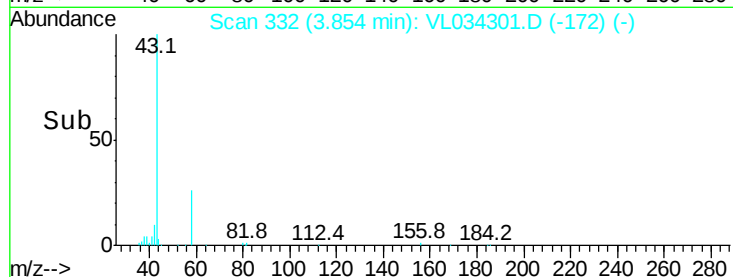
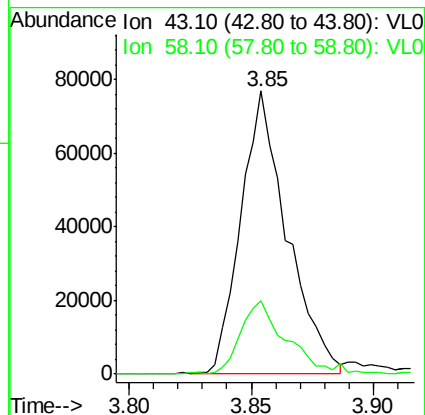
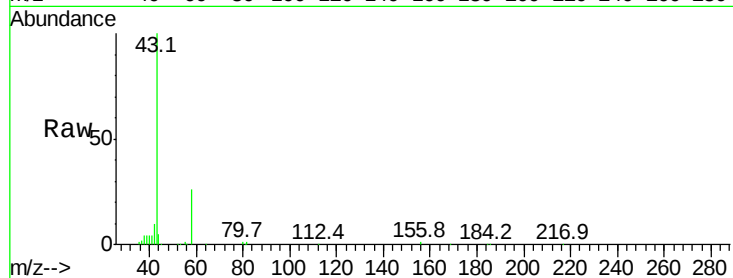
VSTDIC0.5

Tgt Ion: 43 Resp: 100940

Ion Ratio Lower Upper

43 100

58 26.0 20.4 30.6



#16

1,3-Butadiene

Concen: 0.473 ppbv

RT: 3.31 min Scan# 164

Delta R.T. 0.00 min

Lab File: VL034301.D

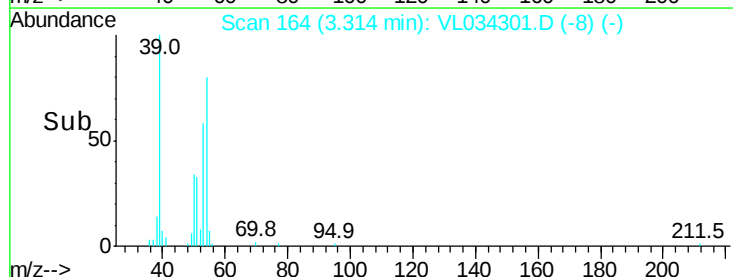
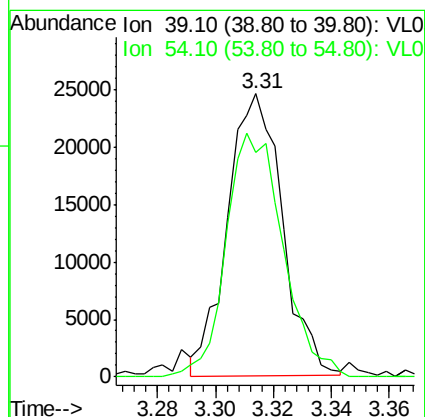
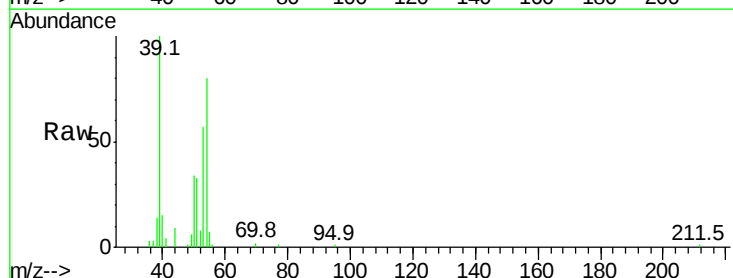
Acq: 16 Oct 2019 14:49

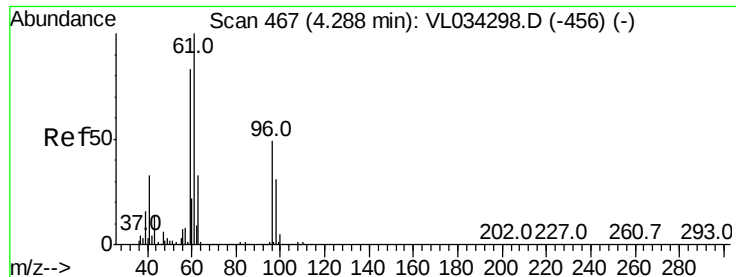
Tgt Ion: 39 Resp: 32122

Ion Ratio Lower Upper

39 100

54 89.8 63.9 95.9





#18

1,1-Dichloroethene

Concen: 0.623 ppbv

RT: 4.29 min Scan# 467

Delta R.T. -0.00 min

Lab File: VL034301.D

Acq: 16 Oct 2019 14:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

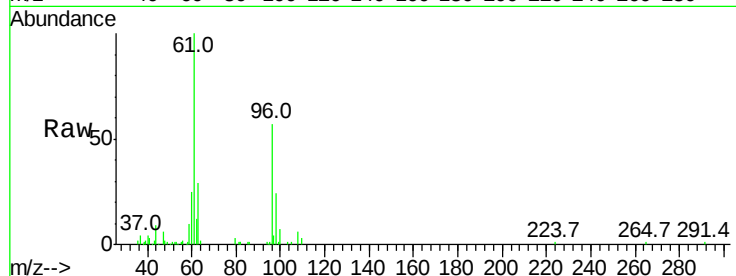
Tgt Ion: 96 Resp: 27794

Ion Ratio Lower Upper

96 100

61 174.2 164.5 246.7

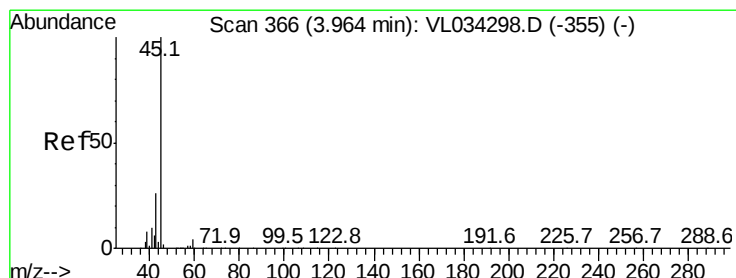
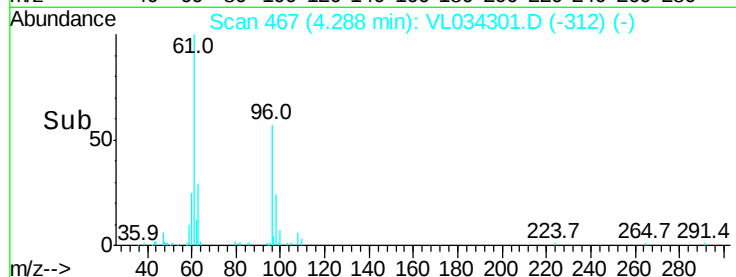
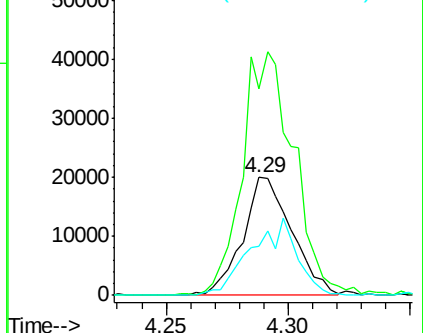
98 41.6 51.7 77.5#



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: 0.579 ppbv

RT: 3.98 min Scan# 371

Delta R.T. 0.02 min

Lab File: VL034301.D

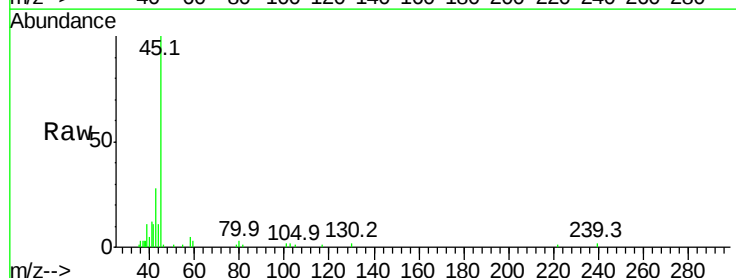
Acq: 16 Oct 2019 14:49

Tgt Ion: 45 Resp: 55404

Ion Ratio Lower Upper

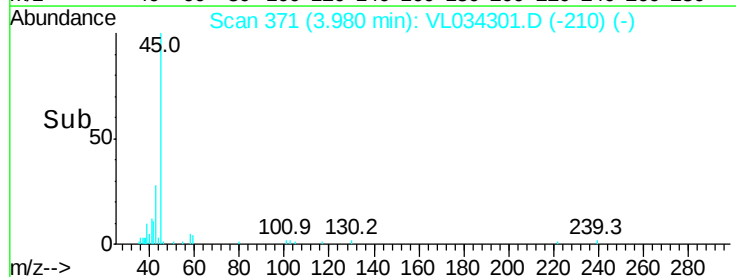
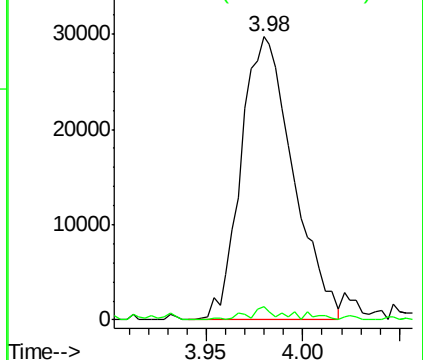
45 100

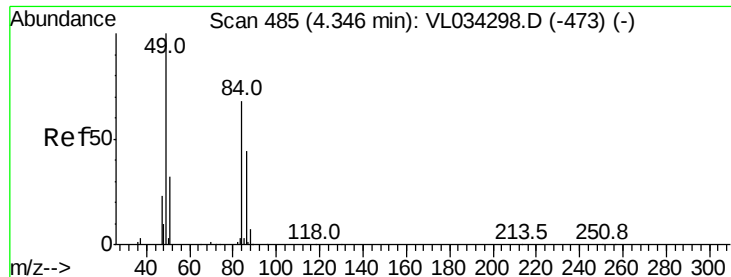
58 2.4 1.4 2.2#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#20

Methylene Chloride

Concen: 0.786 ppbv

RT: 4.35 min Scan# 485

Delta R.T. -0.00 min

Lab File: VL034301.D

Acq: 16 Oct 2019 14:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion: 84 Resp: 35305

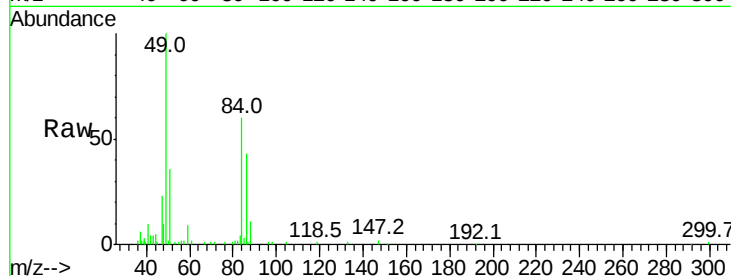
Ion Ratio Lower Upper

84 100

49 161.0 118.5 177.7

51 55.8 38.8 58.2

86 71.6 51.7 77.5

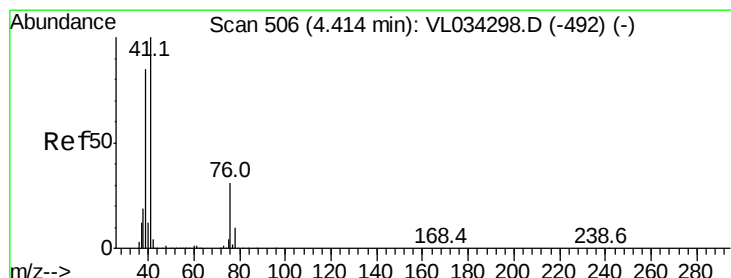
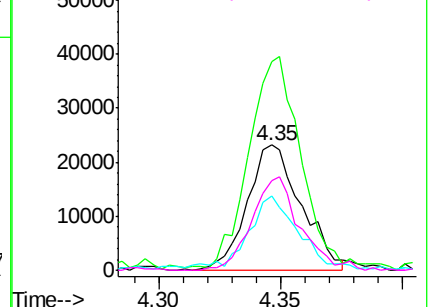
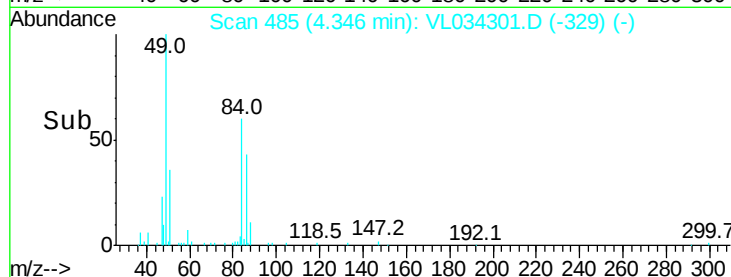


Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0



#21

Allyl Chloride

Concen: 0.494 ppbv

RT: 4.41 min Scan# 506

Delta R.T. -0.00 min

Lab File: VL034301.D

Acq: 16 Oct 2019 14:49

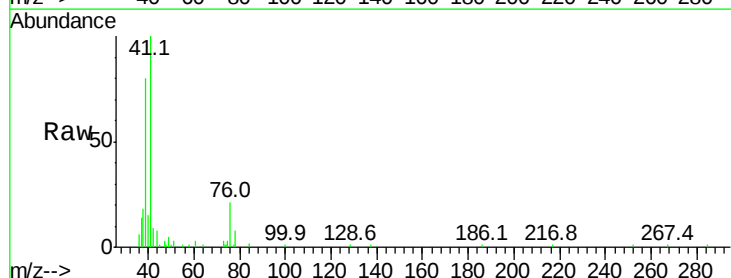
Tgt Ion: 41 Resp: 43425

Ion Ratio Lower Upper

41 100

76 27.9 22.8 34.2

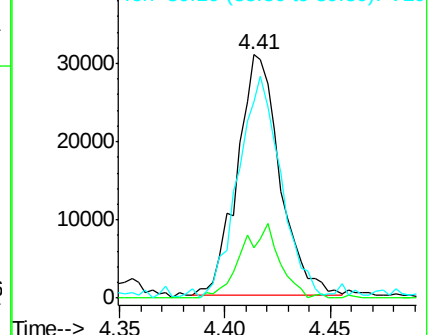
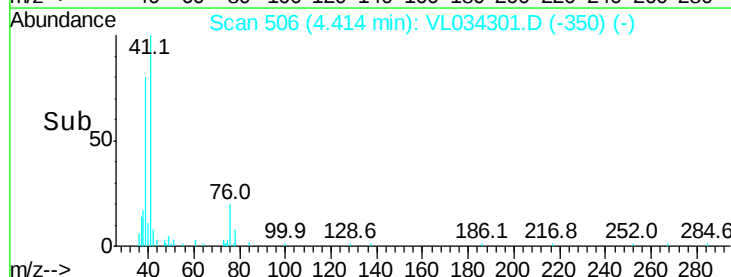
39 94.1 66.0 99.0

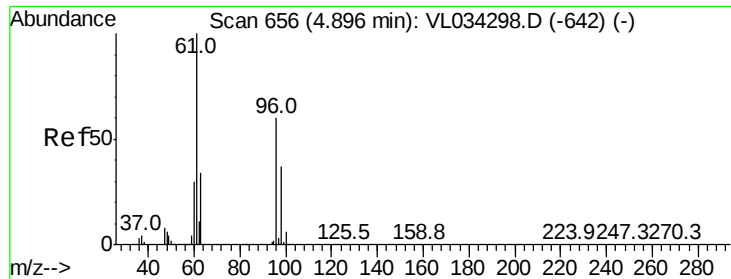


Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0





#22

trans-1,2-Dichloroethene

Concen: 0.579 ppbv

RT: 4.90 min Scan# 656

Delta R.T. -0.00 min

Lab File: VL034301.D

Acq: 16 Oct 2019 14:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

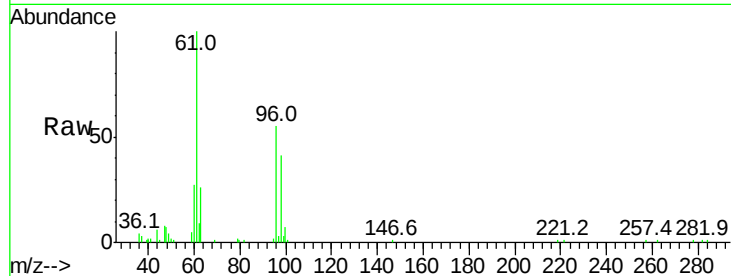
Tgt Ion: 96 Resp: 25820

Ion Ratio Lower Upper

96 100

61 167.5 133.8 200.6

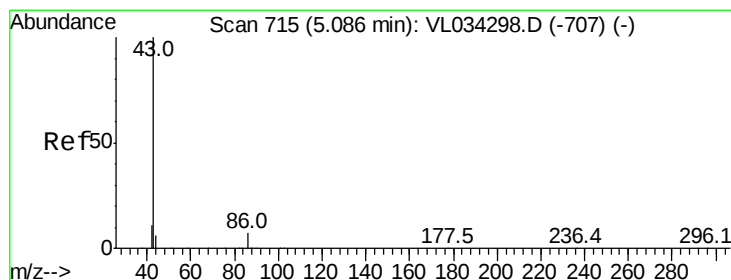
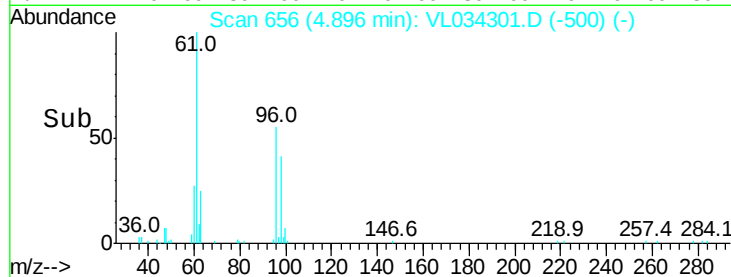
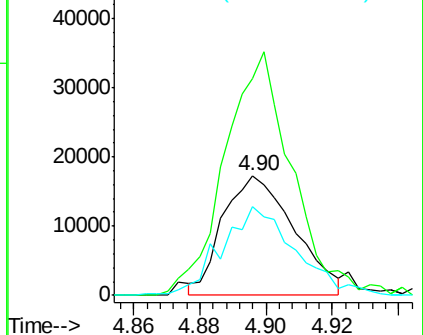
98 71.7 49.4 74.0



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: 0.414 ppbv

RT: 5.09 min Scan# 717

Delta R.T. 0.01 min

Lab File: VL034301.D

Acq: 16 Oct 2019 14:49

Tgt Ion: 43 Resp: 95034

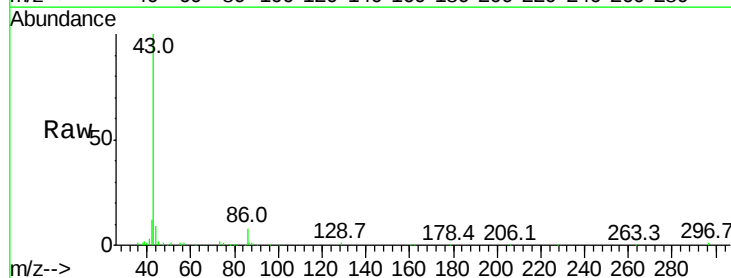
Ion Ratio Lower Upper

43 100

86 7.8 5.0 7.4#

42 12.0 8.6 13.0

44 5.4 4.8 7.2

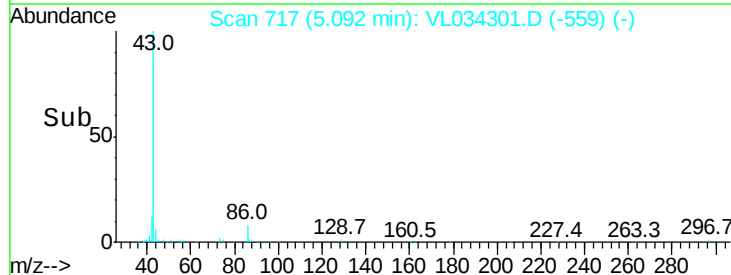
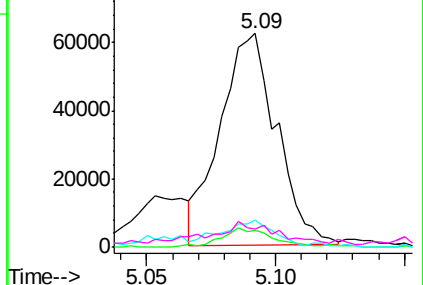


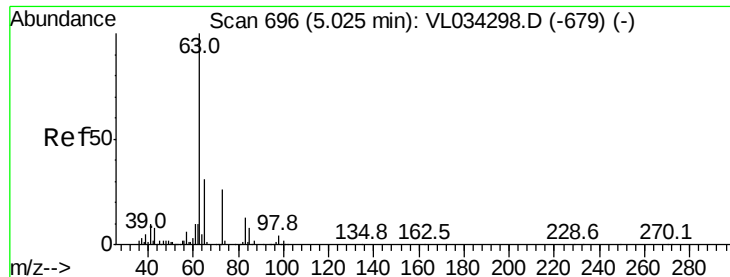
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0





#24

1,1-Dichloroethane

Concen: 0.503 ppbv

RT: 5.02 min Scan# 696

Delta R.T. -0.00 min

Lab File: VL034301.D

Acq: 16 Oct 2019 14:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

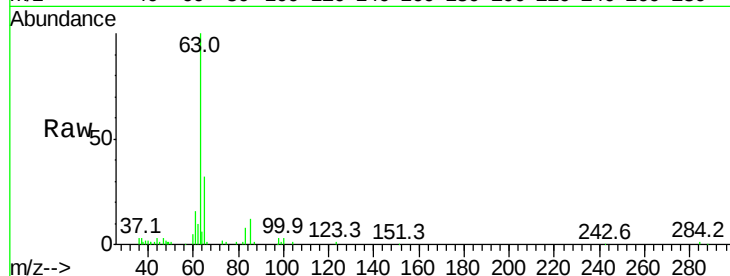
Tgt Ion: 63 Resp: 77755

Ion Ratio Lower Upper

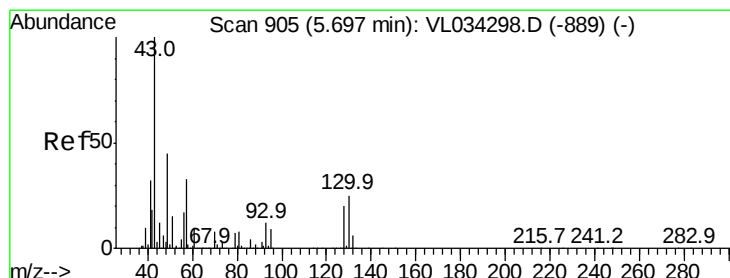
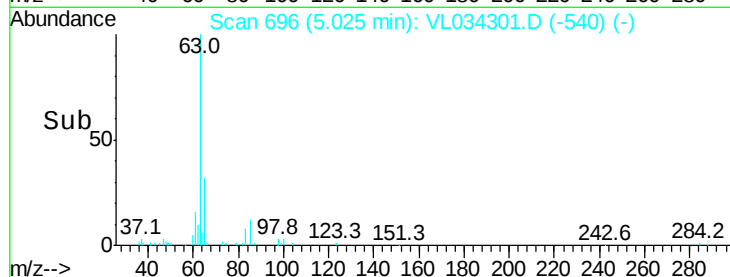
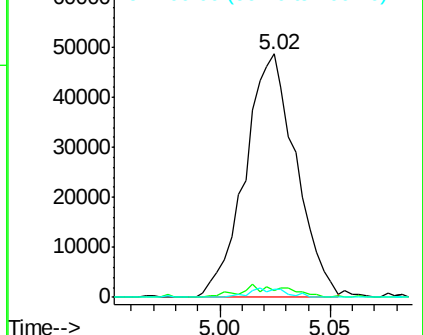
63 100

98 2.6 2.0 6.0

100 3.2 1.1 3.5



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: 0.504 ppbv

RT: 5.70 min Scan# 907

Delta R.T. 0.01 min

Lab File: VL034301.D

Acq: 16 Oct 2019 14:49

Tgt Ion: 43 Resp: 148534

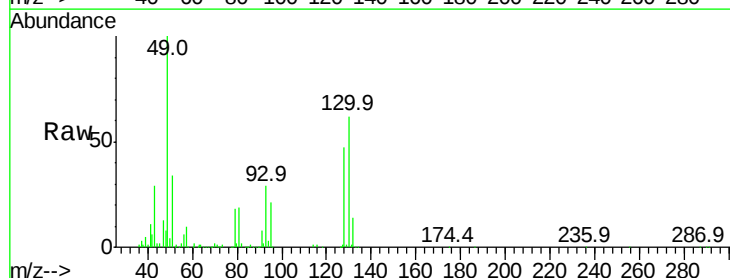
Ion Ratio Lower Upper

43 100

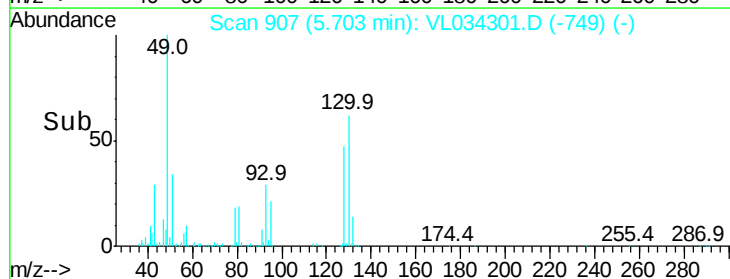
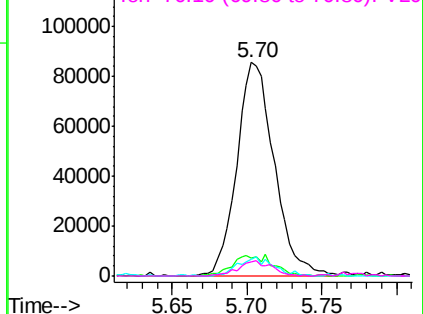
45 10.8 8.3 12.5

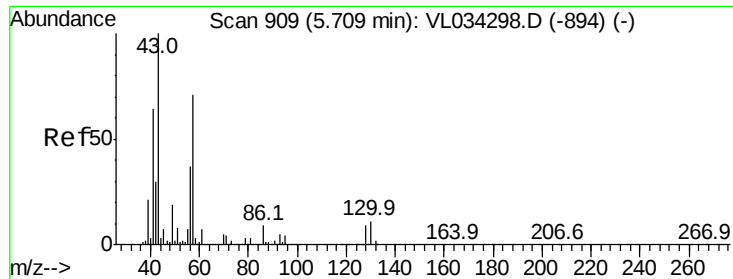
61 8.7 7.7 11.5

70 6.5 5.4 8.2



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: 0.473 ppbv

RT: 5.71 min Scan# 910

Delta R.T. 0.00 min

Lab File: VL034301.D

Acq: 16 Oct 2019 14:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion: 57 Resp: 57908

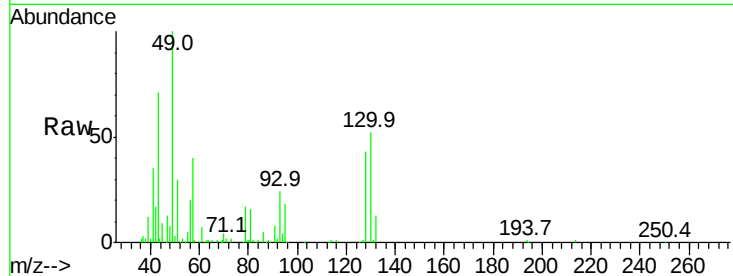
Ion Ratio Lower Upper

57 100

41 110.2 76.5 114.7

43 261.0 188.5 282.7

56 61.2 42.8 64.2

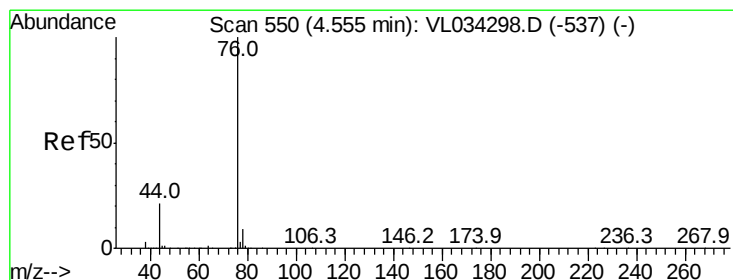
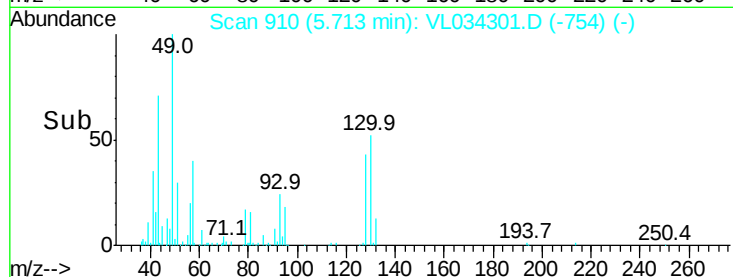
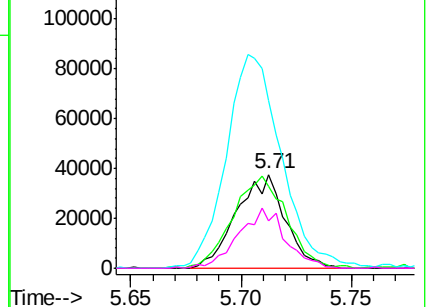


Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 0.466 ppbv

RT: 4.56 min Scan# 550

Delta R.T. -0.00 min

Lab File: VL034301.D

Acq: 16 Oct 2019 14:49

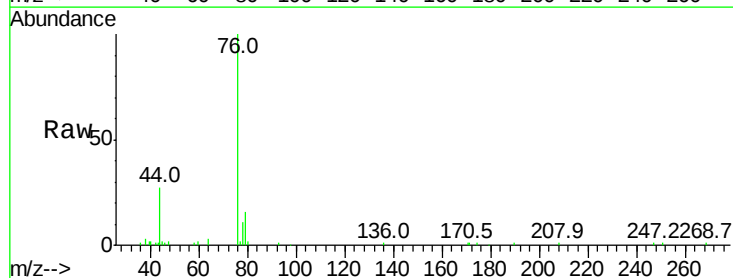
Tgt Ion: 76 Resp: 52668

Ion Ratio Lower Upper

76 100

44 27.7 17.3 25.9#

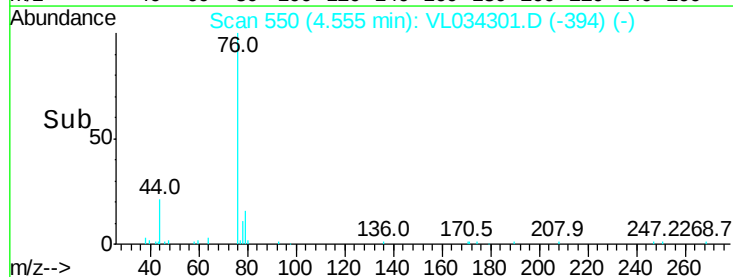
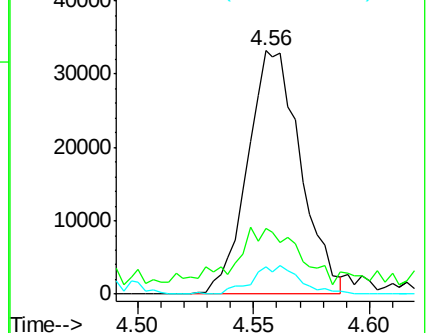
78 10.6 7.8 11.6

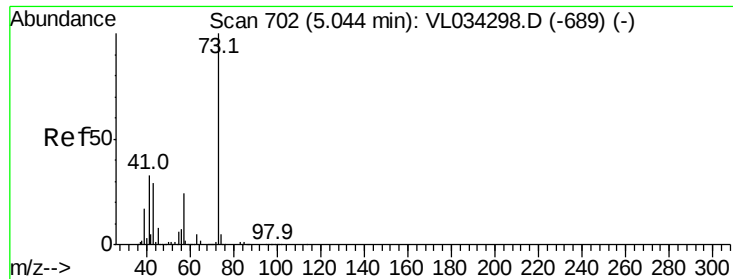


Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0





#28

Methyl tert-Butyl Ether

Concen: 0.246 ppbv

RT: 5.05 min Scan# 705

Delta R.T. 0.01 min

Lab File: VL034301.D

Acq: 16 Oct 2019 14:49

Instrument :

MSVOA_L

ClientSampleId :

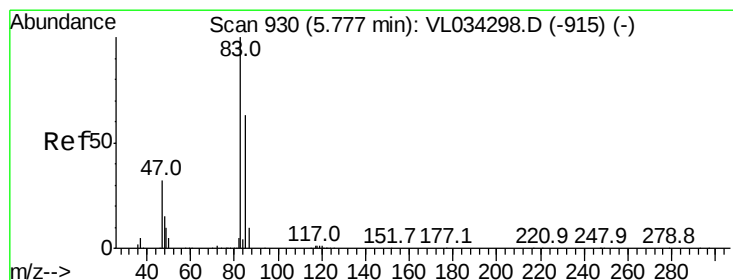
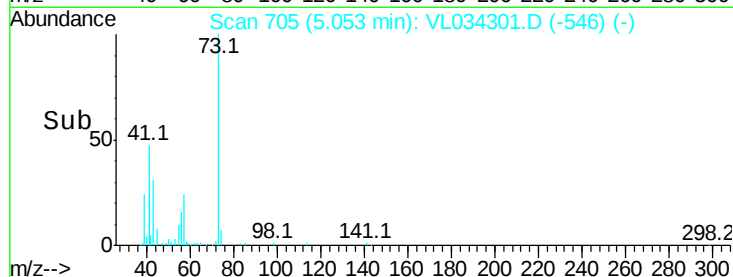
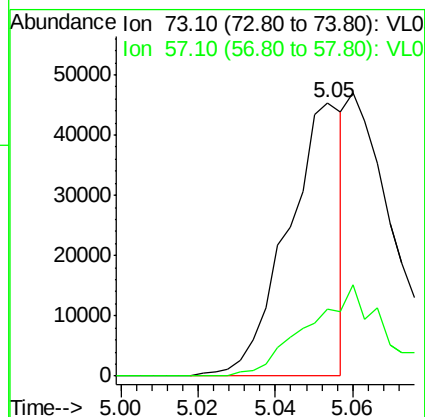
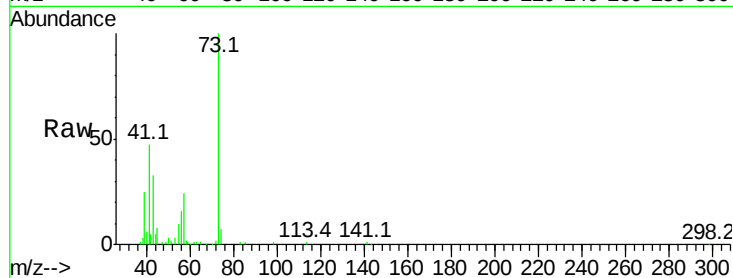
VSTDIC0.5

Tgt Ion: 73 Resp: 44831

Ion Ratio Lower Upper

73 100

57 0.0 19.2 28.8#



#29

Chloroform

Concen: 0.300 ppbv

RT: 5.78 min Scan# 930

Delta R.T. -0.00 min

Lab File: VL034301.D

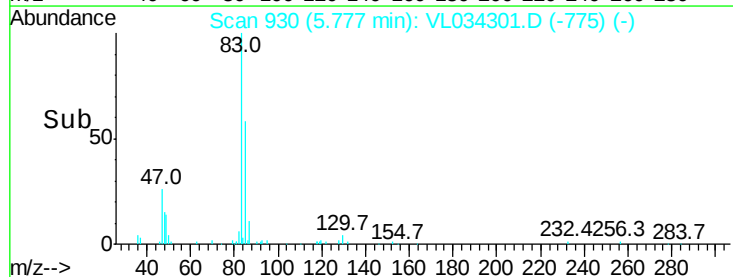
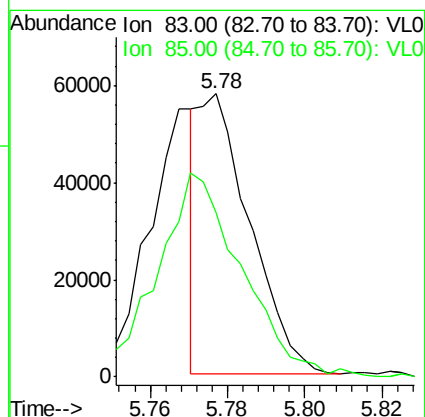
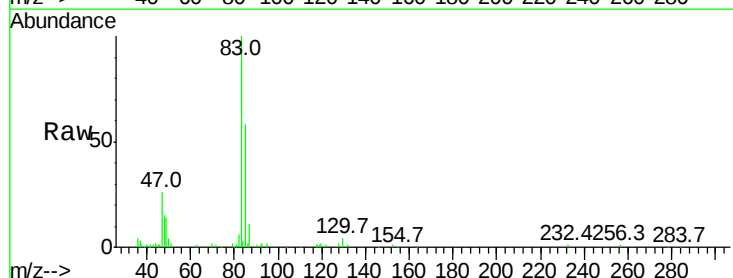
Acq: 16 Oct 2019 14:49

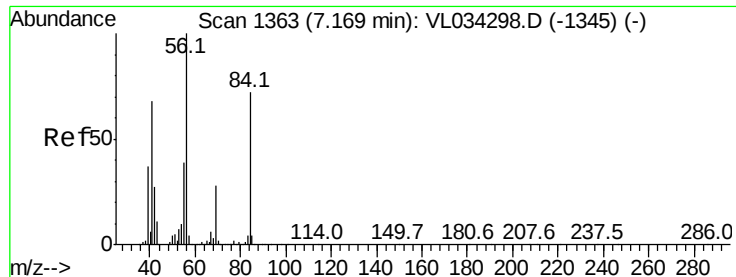
Tgt Ion: 83 Resp: 52453

Ion Ratio Lower Upper

83 100

85 55.9 50.5 75.7





#30

Cyclohexane

Concen: 0.133 ppbv

RT: 7.16 min Scan# 1361

Delta R.T. -0.01 min

Lab File: VL034301.D

Acq: 16 Oct 2019 14:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

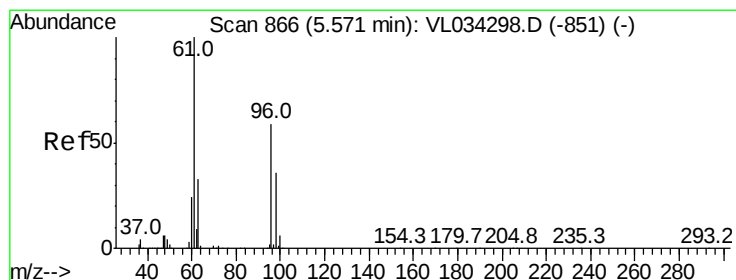
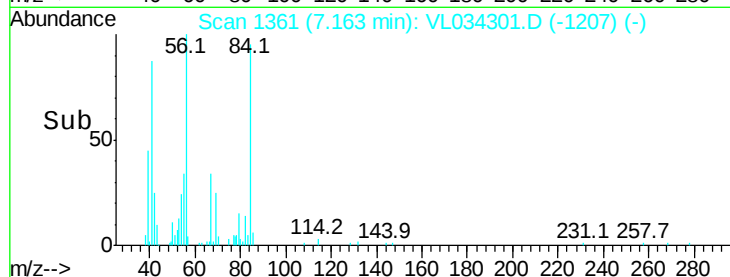
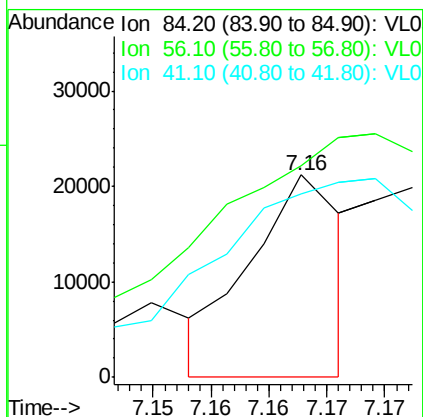
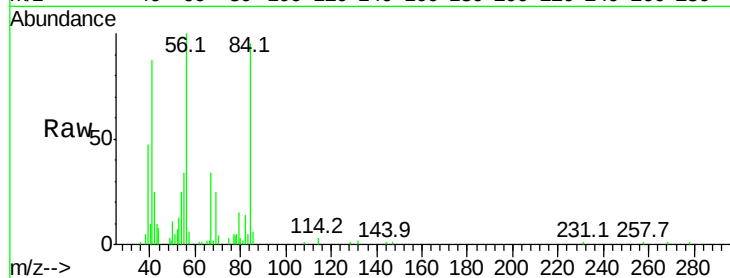
Tgt Ion: 84 Resp: 11797

Ion Ratio Lower Upper

84 100

56 0.0 119.4 179.0#

41 0.0 78.7 118.1#



#31

cis-1,2-Dichloroethene

Concen: 0.431 ppbv

RT: 5.57 min Scan# 865

Delta R.T. -0.00 min

Lab File: VL034301.D

Acq: 16 Oct 2019 14:49

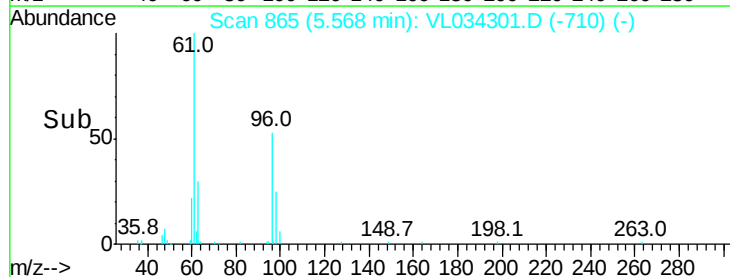
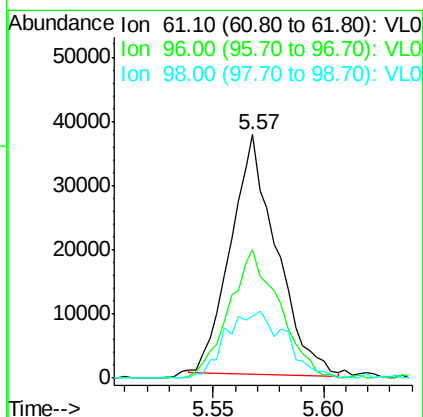
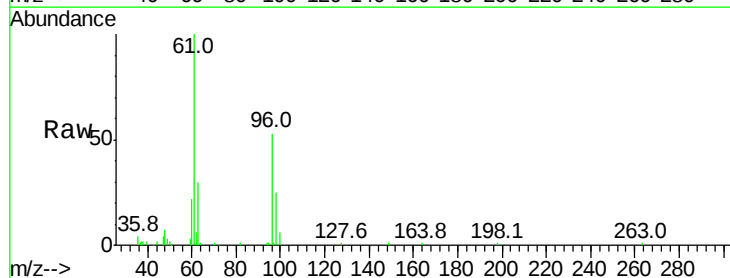
Tgt Ion: 61 Resp: 53806

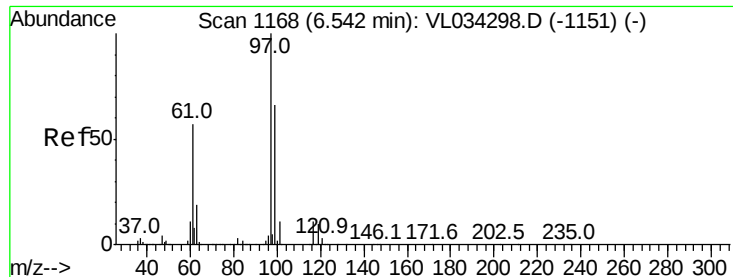
Ion Ratio Lower Upper

61 100

96 54.1 47.5 71.3

98 26.0 28.8 43.2#





#32

1,1,1-Trichloroethane

Concen: 0.512 ppbv

RT: 6.54 min Scan# 1167

Delta R.T. -0.00 min

Lab File: VL034301.D

Acq: 16 Oct 2019 14:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

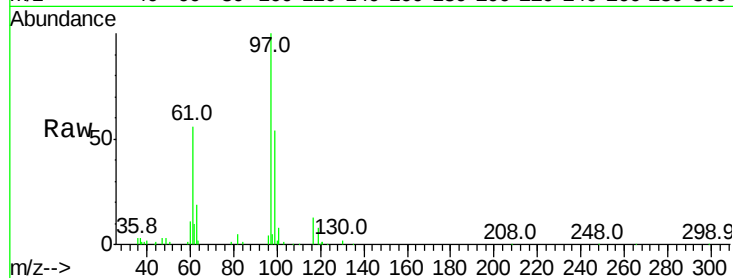
Tgt Ion: 97 Resp: 86406

Ion Ratio Lower Upper

97 100

99 63.8 52.6 78.8

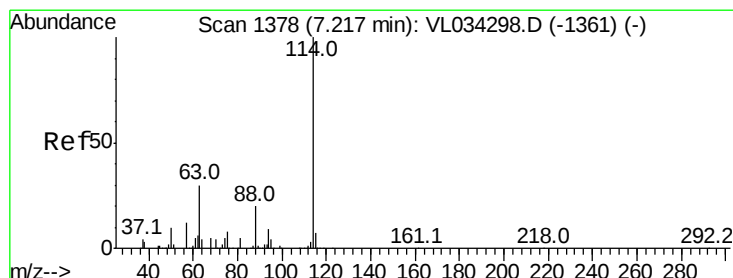
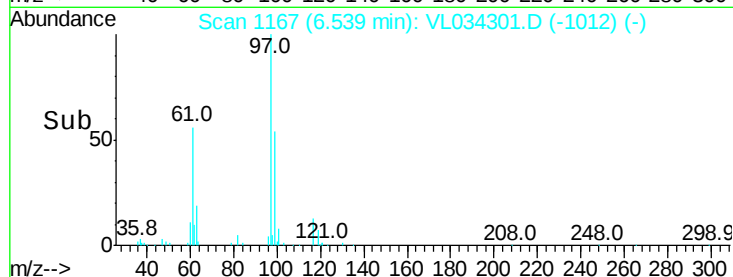
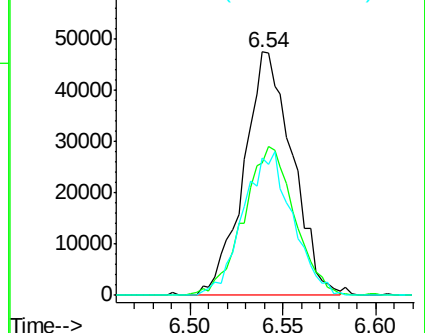
61 59.6 44.5 66.7



Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.21 min Scan# 1376

Delta R.T. -0.01 min

Lab File: VL034301.D

Acq: 16 Oct 2019 14:49

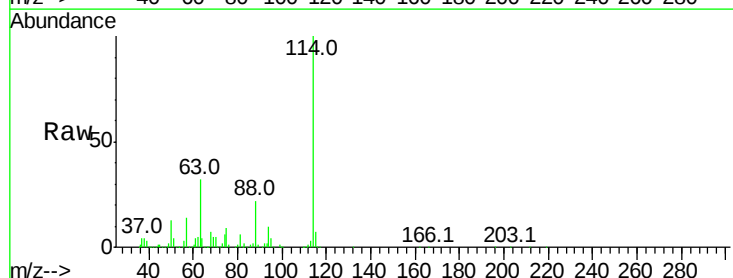
Tgt Ion: 114 Resp: 2205808

Ion Ratio Lower Upper

114 100

63 31.2 25.2 37.8

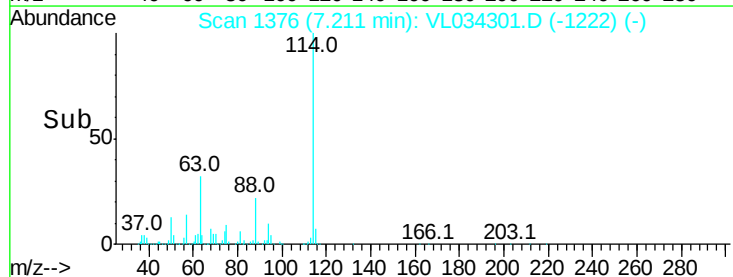
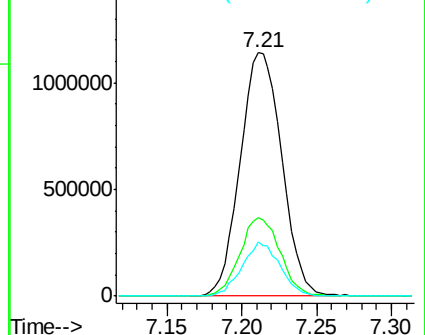
88 20.4 16.0 24.0

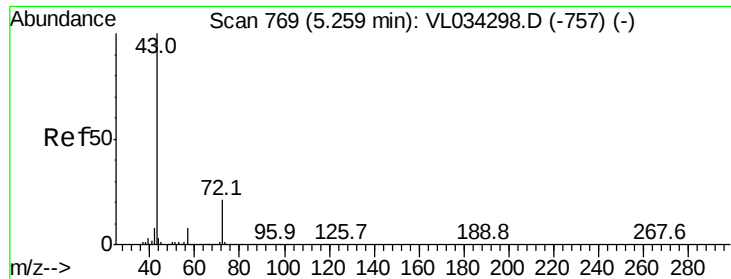


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0

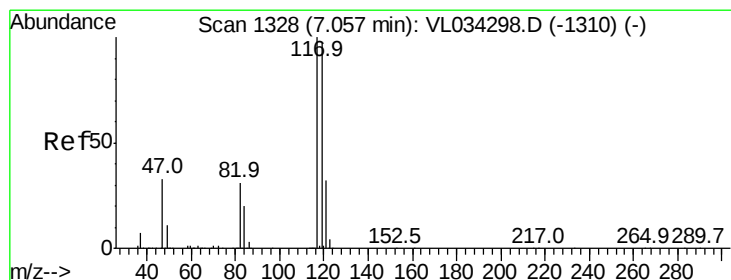
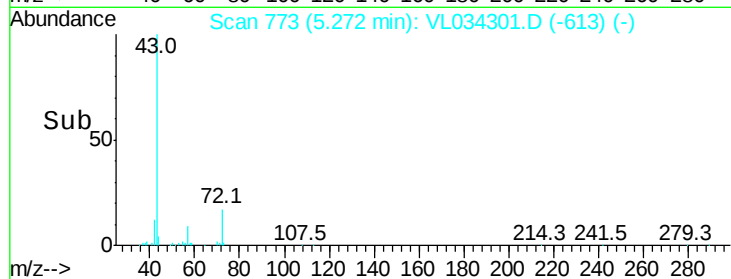
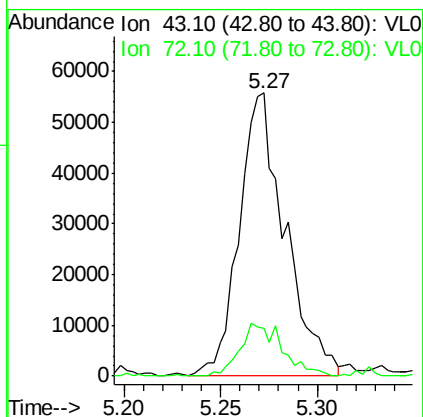
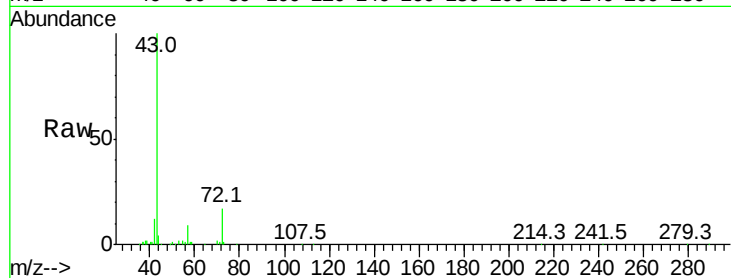




#34
2-Butanone
Concen: 0.406 ppbv
RT: 5.27 min Scan# 773
Delta R.T. 0.01 min
Lab File: VL034301.D
Acq: 16 Oct 2019 14:49

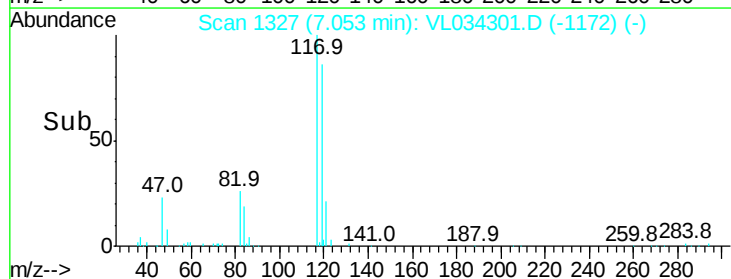
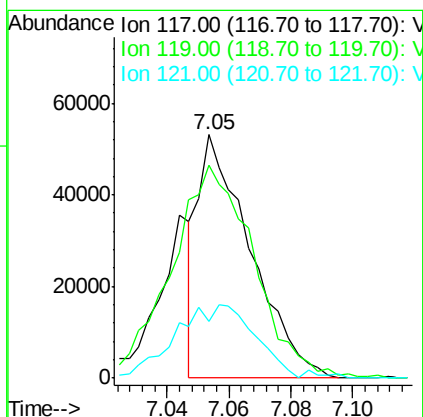
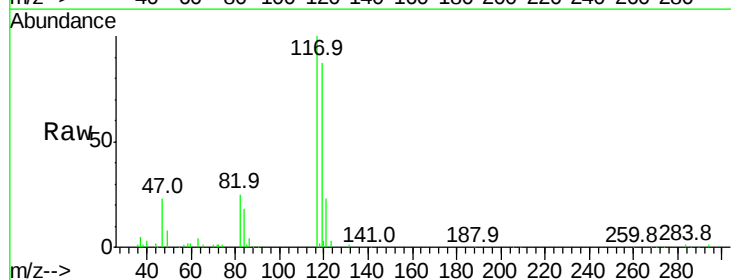
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

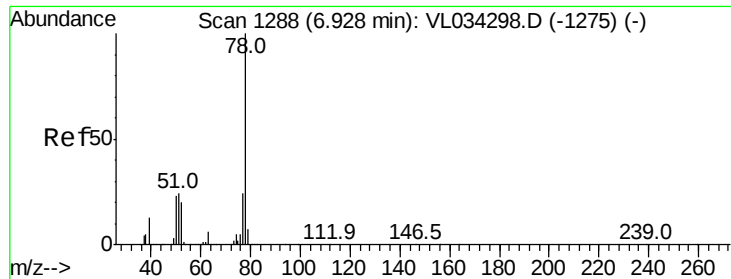
Tgt Ion: 43 Resp: 91368
Ion Ratio Lower Upper
43 100
72 18.4 16.3 24.5



#35
Carbon Tetrachloride
Concen: 0.339 ppbv
RT: 7.05 min Scan# 1327
Delta R.T. -0.00 min
Lab File: VL034301.D
Acq: 16 Oct 2019 14:49

Tgt Ion: 117 Resp: 62087
Ion Ratio Lower Upper
117 100
119 86.0 77.3 115.9
121 21.7 25.5 38.3#





#36

Benzene

Concen: 0.420 ppbv

RT: 6.93 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VL034301.D

Acq: 16 Oct 2019 14:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

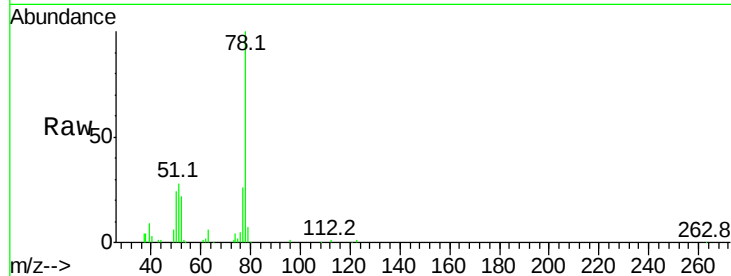
Tgt Ion: 78 Resp: 102289

Ion Ratio Lower Upper

78 100

77 25.7 19.0 28.4

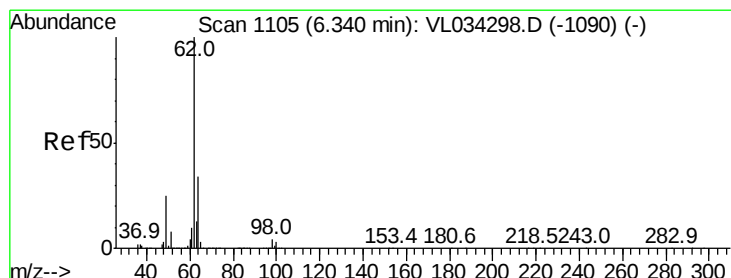
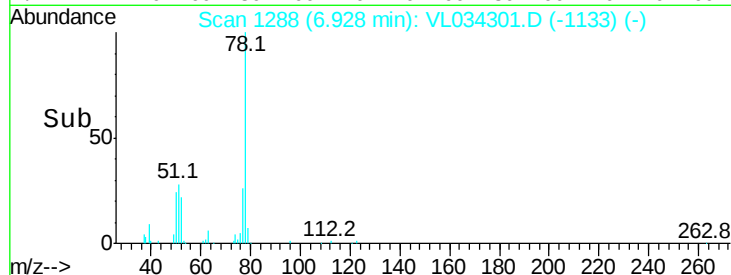
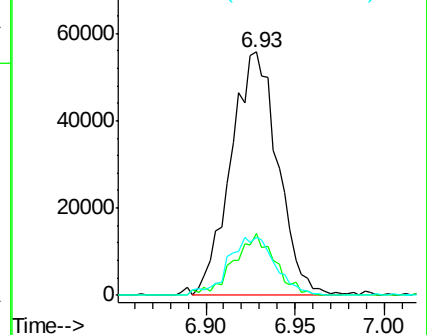
50 24.1 18.6 27.8



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: 0.455 ppbv

RT: 6.33 min Scan# 1103

Delta R.T. -0.01 min

Lab File: VL034301.D

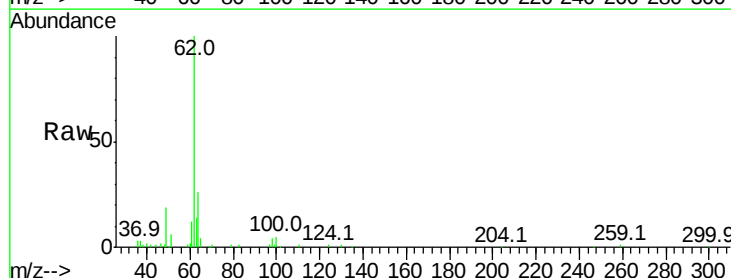
Acq: 16 Oct 2019 14:49

Tgt Ion: 62 Resp: 78770

Ion Ratio Lower Upper

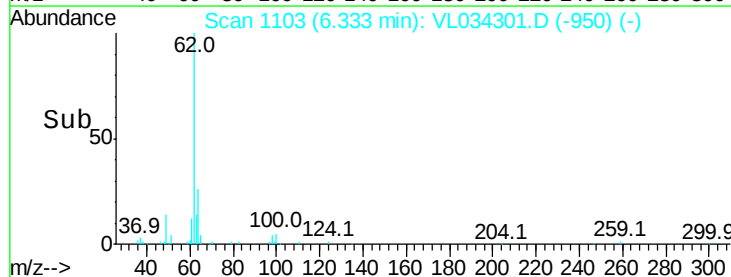
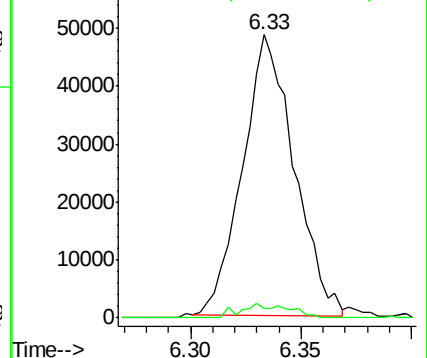
62 100

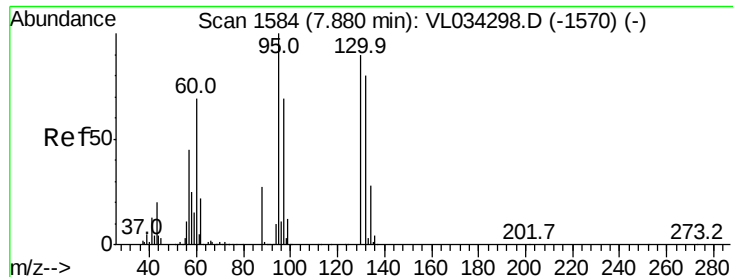
98 4.8 3.8 5.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#38

Trichloroethene

Concen: 0.459 ppbv

RT: 7.88 min Scan# 1584

Delta R.T. -0.00 min

Lab File: VL034301.D

Acq: 16 Oct 2019 14:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion:130 Resp: 39983

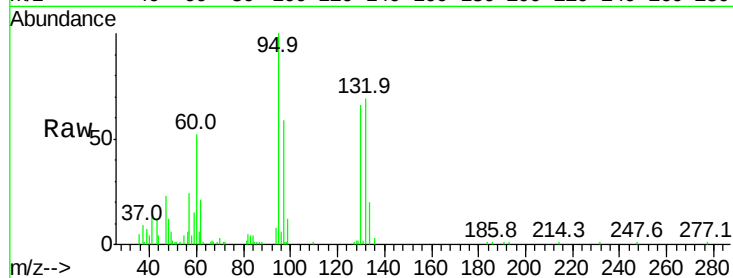
Ion Ratio Lower Upper

130 100

95 149.3 88.6 132.8#

132 102.6 71.2 106.8

97 91.4 61.0 91.4

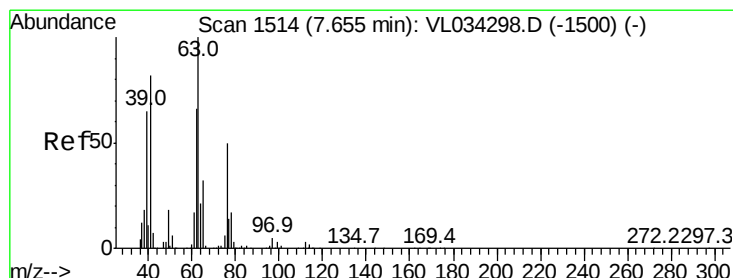
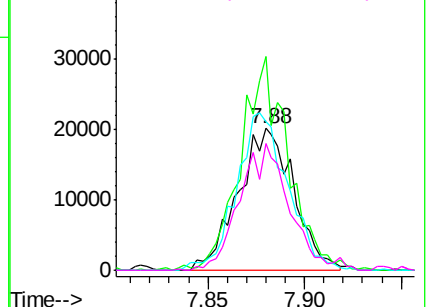
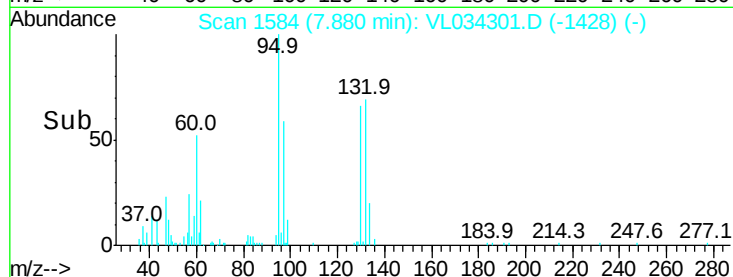


Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0



#39

1,2-Dichloropropane

Concen: 0.183 ppbv

RT: 7.65 min Scan# 1512

Delta R.T. -0.01 min

Lab File: VL034301.D

Acq: 16 Oct 2019 14:49

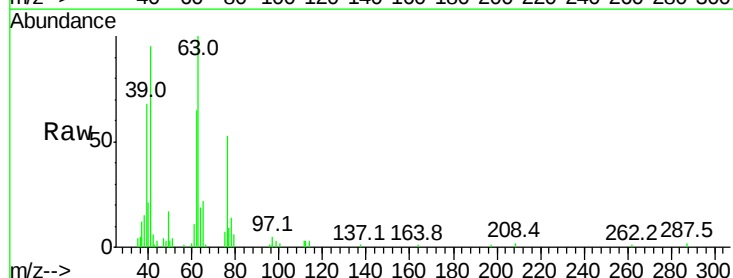
Tgt Ion: 63 Resp: 20008

Ion Ratio Lower Upper

63 100

41 95.1 65.6 98.4

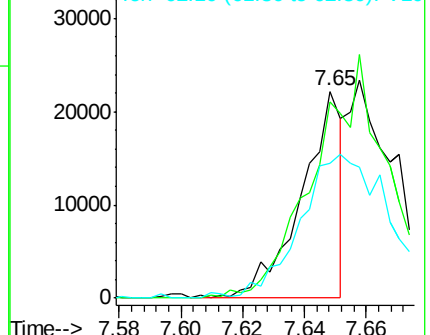
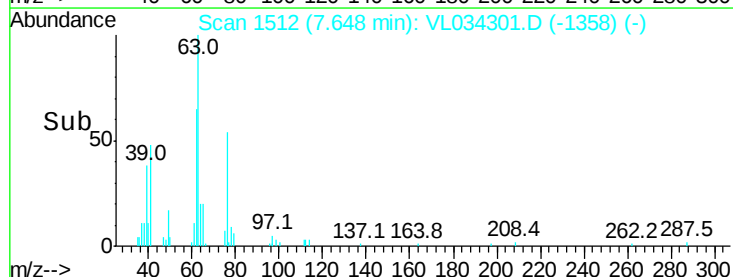
62 65.5 53.0 79.6

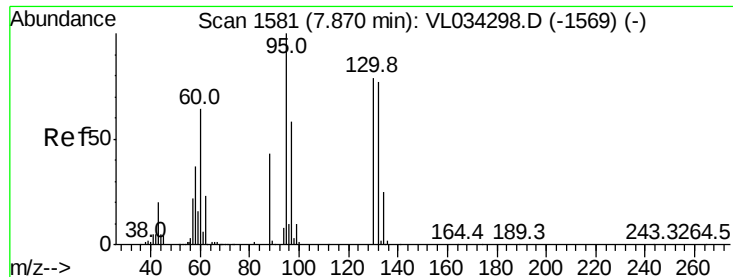


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0

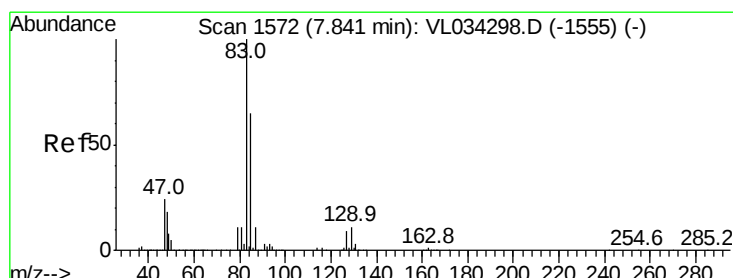
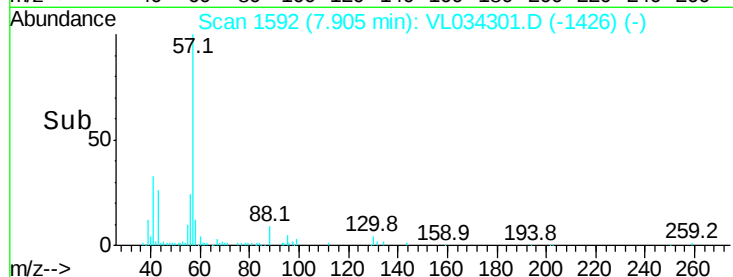
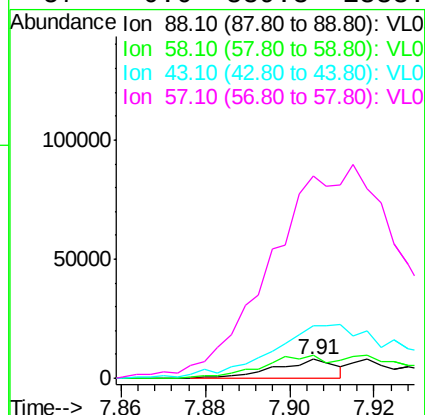
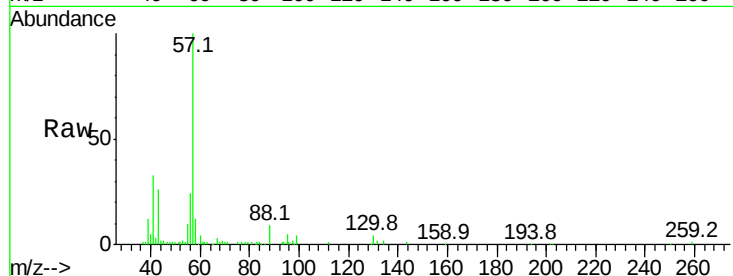




#40
 1,4-Dioxane
 Concen: 0.218 ppbv
 RT: 7.91 min Scan# 1592
 Delta R.T. 0.04 min
 Lab File: VL034301.D
 Acq: 16 Oct 2019 14:49

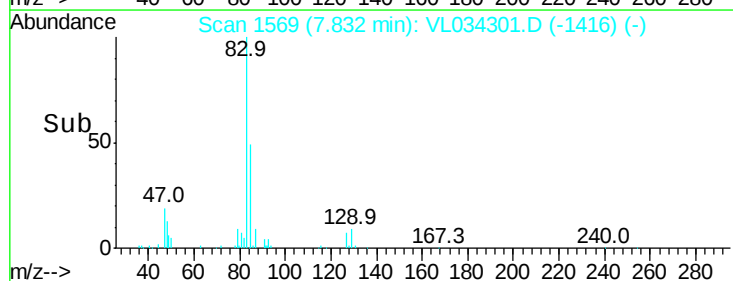
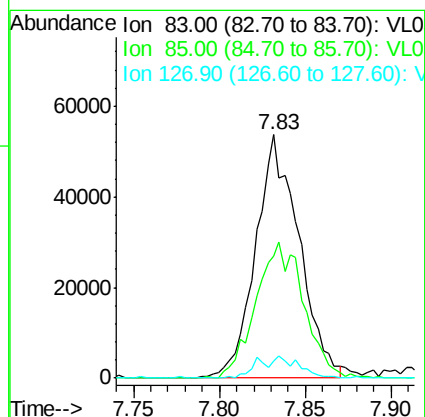
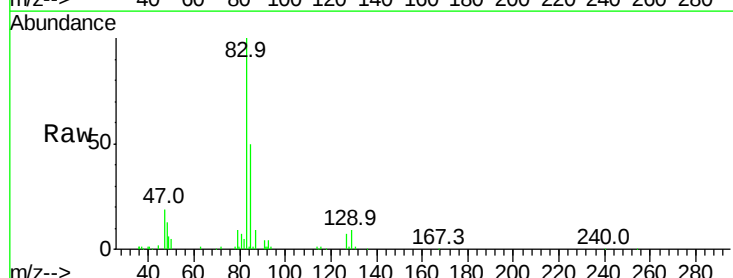
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

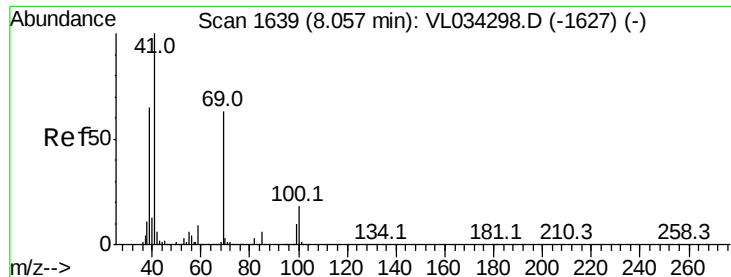
Tgt Ion: 88 Resp: 7723
 Ion Ratio Lower Upper
 88 100
 58 324.1 110.3 165.5#
 43 0.0 228.1 342.1#
 57 0.0 889.3 1333.9#



#42
 Bromodichloromethane
 Concen: 0.452 ppbv
 RT: 7.83 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: VL034301.D
 Acq: 16 Oct 2019 14:49

Tgt Ion: 83 Resp: 94012
 Ion Ratio Lower Upper
 83 100
 85 49.9 51.8 77.6#
 127 7.0 7.0 10.6





#43

Methyl Methacrylate

Concen: 0.119 ppbv

RT: 8.05 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VL034301.D

Acq: 16 Oct 2019 14:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

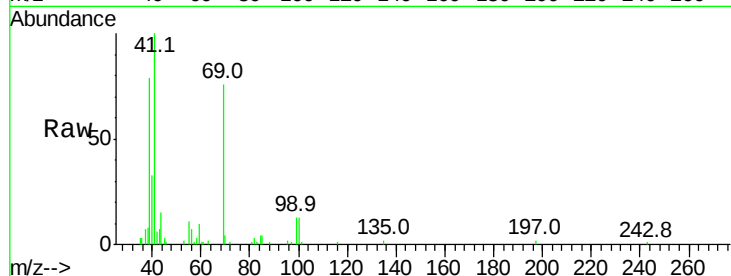
Tgt Ion: 69 Resp: 11979

Ion Ratio Lower Upper

69 100

41 0.0 132.1 198.1#

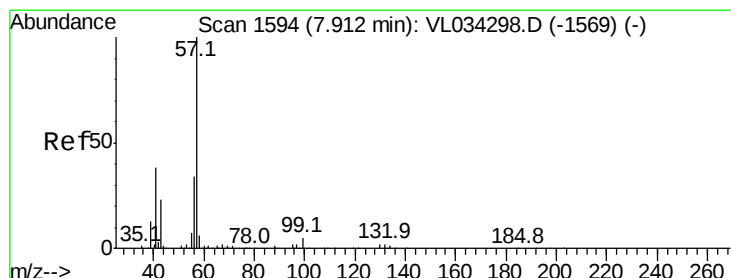
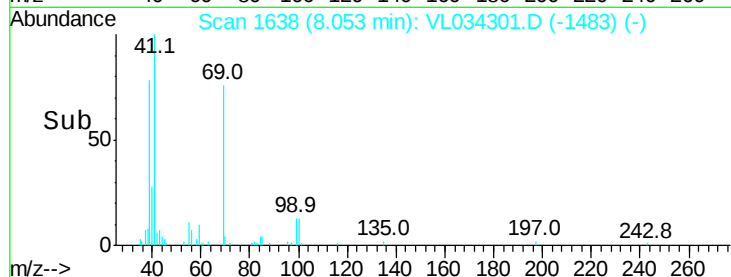
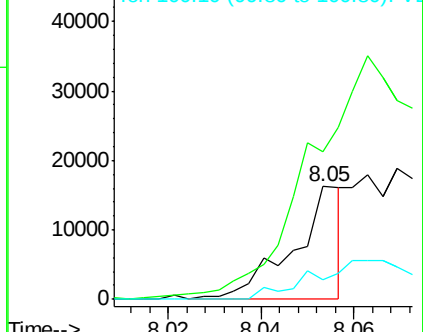
100 0.0 23.2 34.8#



Abundance Ion 69.10 (68.80 to 69.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 100.10 (99.80 to 100.80): VL0



#44

2,2,4-Trimethylpentane

Concen: 0.194 ppbv

RT: 7.91 min Scan# 1592

Delta R.T. -0.01 min

Lab File: VL034301.D

Acq: 16 Oct 2019 14:49

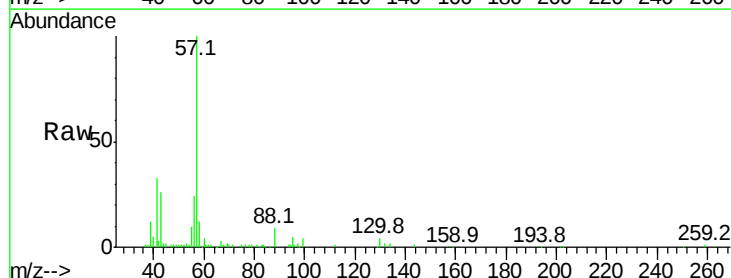
Tgt Ion: 57 Resp: 90848

Ion Ratio Lower Upper

57 100

41 0.0 29.3 43.9#

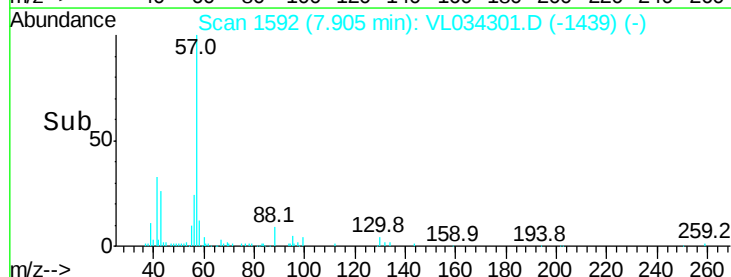
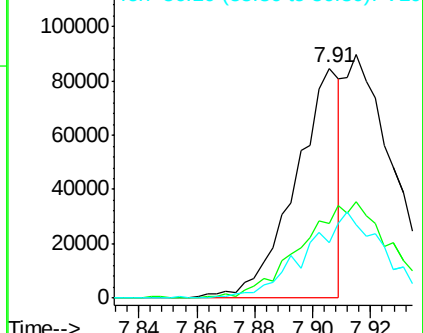
56 0.0 25.3 37.9#

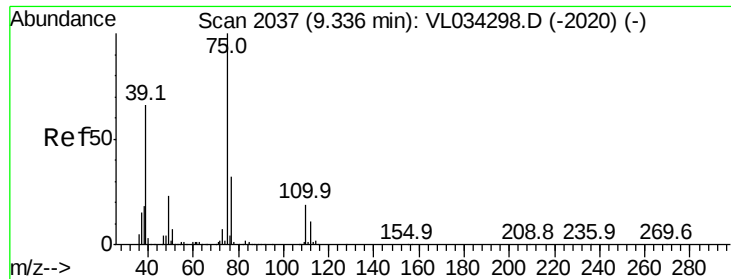


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0

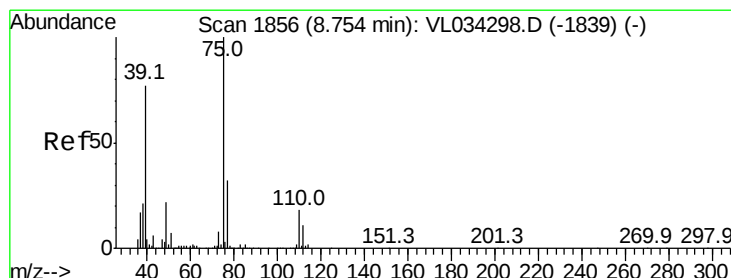
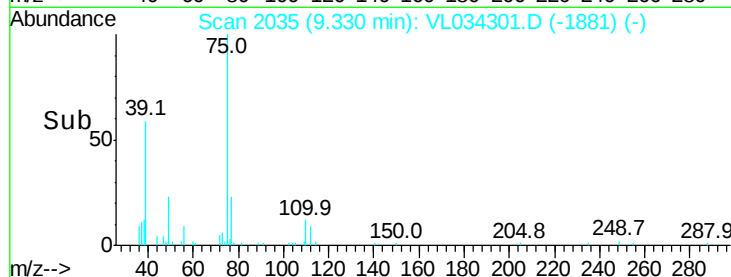
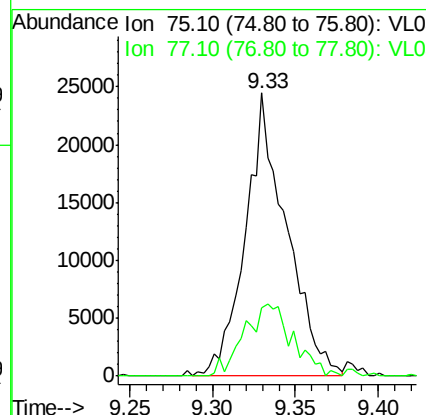
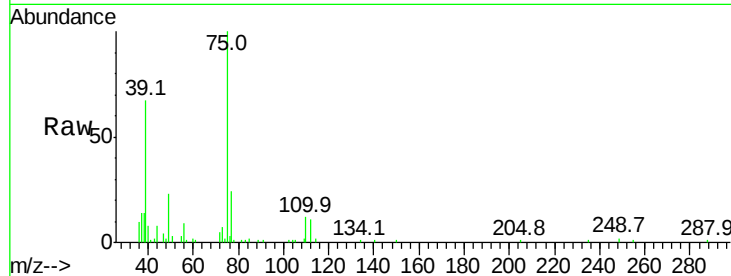




#45
 t-1,3-Dichloropropene
 Concen: 0.353 ppbv
 RT: 9.33 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: VL034301.D
 Acq: 16 Oct 2019 14:49

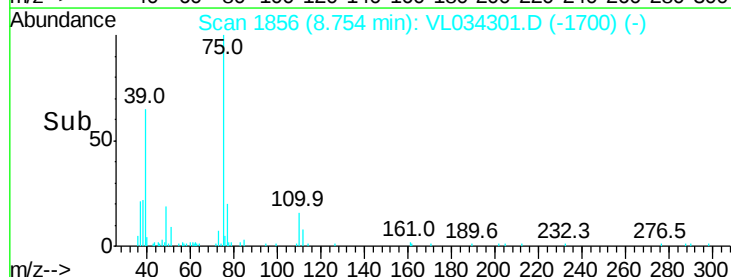
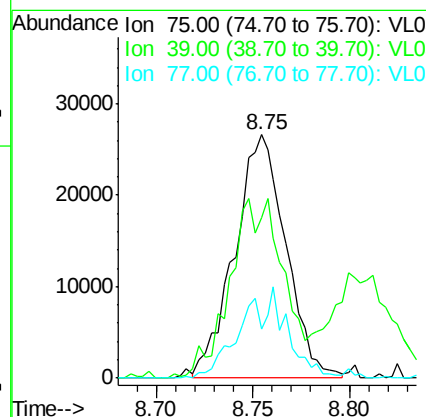
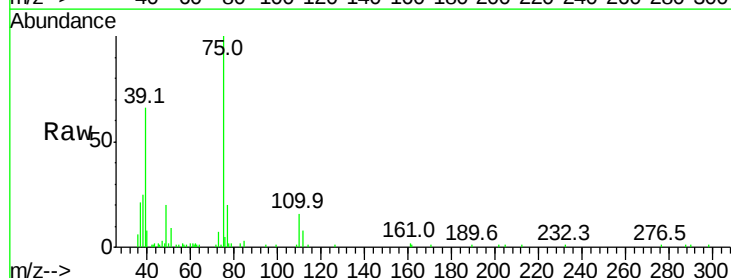
Instrument :
 MSVOA_L
 ClientSampled :
 VSTDIC0.5

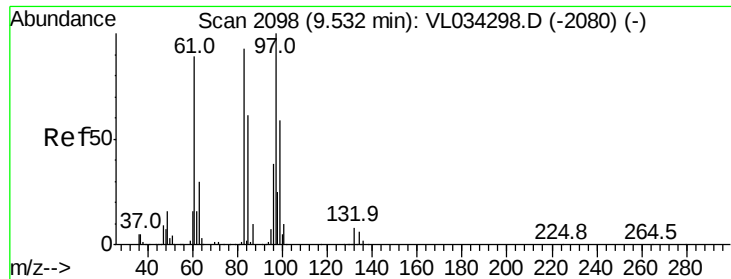
Tgt Ion: 75 Resp: 42055
 Ion Ratio Lower Upper
 75 100
 77 24.0 25.6 38.4#



#46
 cis-1,3-Dichloropropene
 Concen: 0.343 ppbv
 RT: 8.75 min Scan# 1856
 Delta R.T. -0.00 min
 Lab File: VL034301.D
 Acq: 16 Oct 2019 14:49

Tgt Ion: 75 Resp: 49150
 Ion Ratio Lower Upper
 75 100
 39 63.1 61.2 91.8
 77 20.8 25.9 38.9#

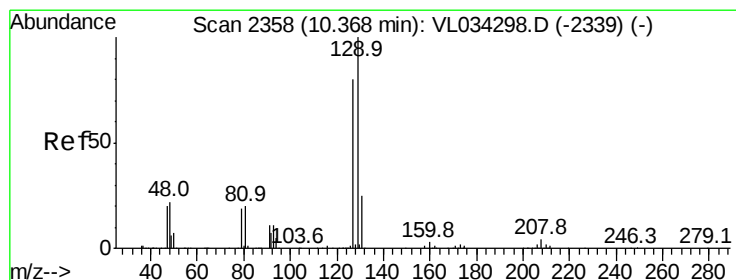
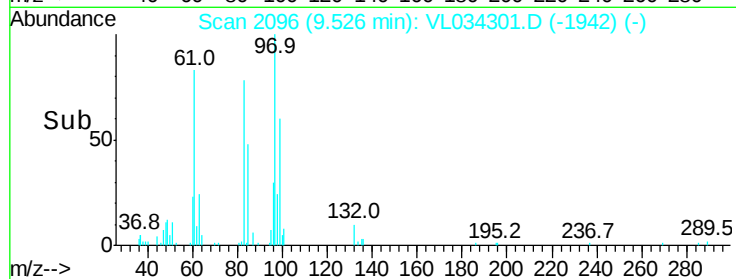
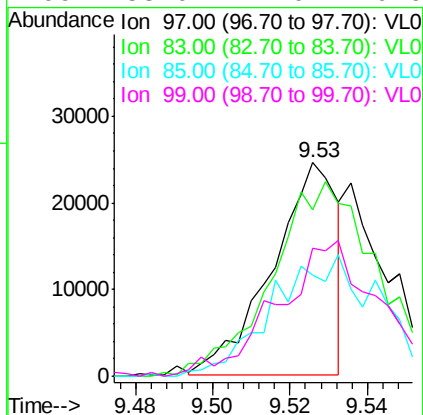
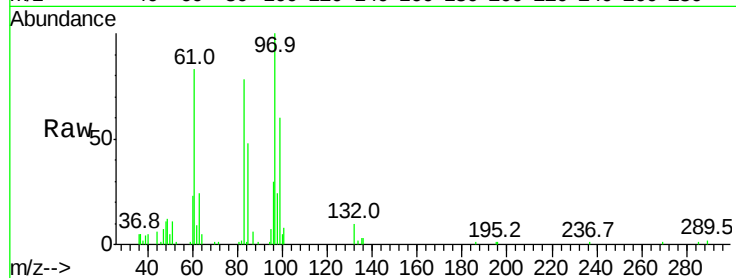




#47
 1,1,2-Trichloroethane
 Concen: 0.292 ppbv
 RT: 9.53 min Scan# 2096
 Delta R.T. -0.01 min
 Lab File: VL034301.D
 Acq: 16 Oct 2019 14:49

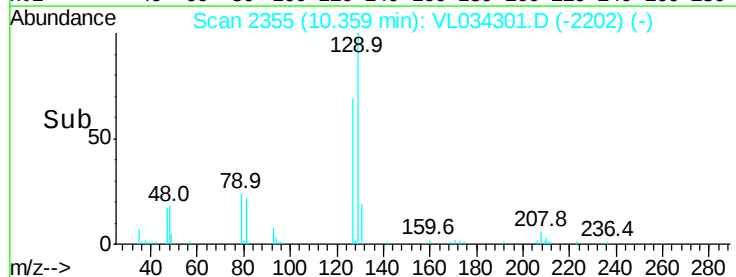
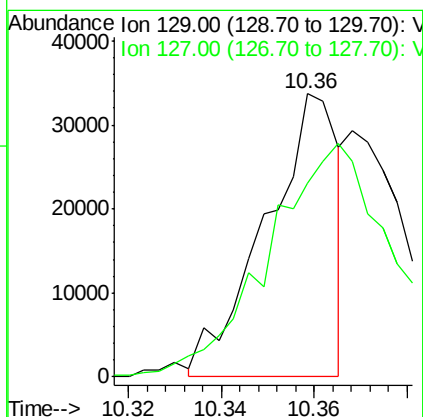
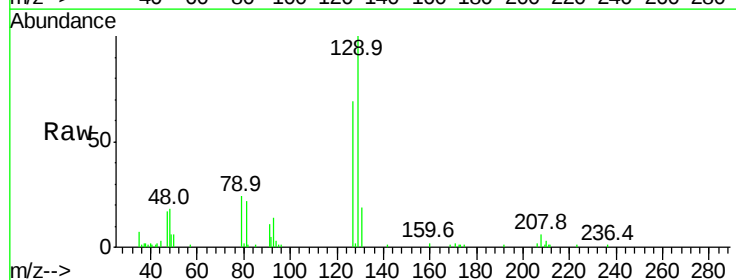
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

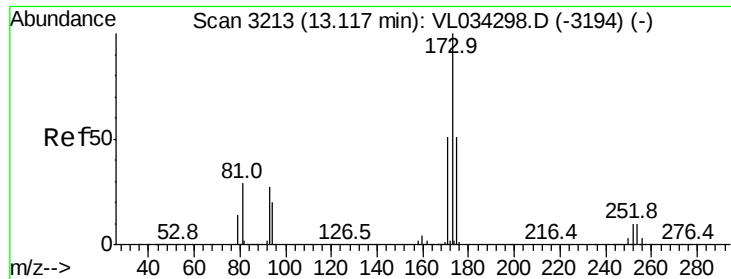
Tgt Ion: 97 Resp: 28682
 Ion Ratio Lower Upper
 97 100
 83 73.0 74.2 111.2#
 85 46.1 48.6 73.0#
 99 58.0 47.0 70.6



#48
 Dibromochloromethane
 Concen: 0.234 ppbv
 RT: 10.36 min Scan# 2355
 Delta R.T. -0.01 min
 Lab File: VL034301.D
 Acq: 16 Oct 2019 14:49

Tgt Ion:129 Resp: 36496
 Ion Ratio Lower Upper
 129 100
 127 0.0 39.7 119.1#





#49

Bromoform

Concen: 0.433 ppbv

RT: 13.10 min Scan# 3209

Delta R.T. -0.01 min

Lab File: VL034301.D

Acq: 16 Oct 2019 14:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

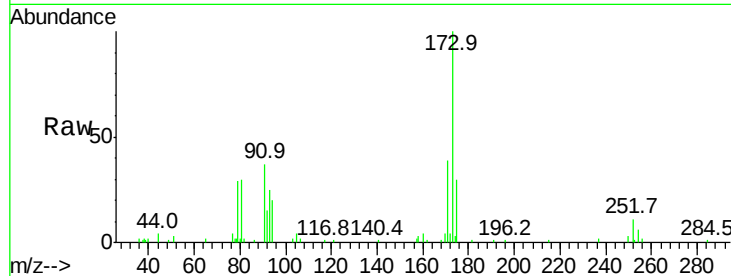
Tgt Ion:173 Resp: 54544

Ion Ratio Lower Upper

173 100

175 52.4 39.8 59.6

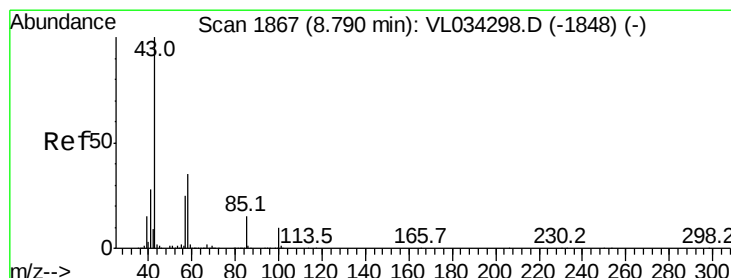
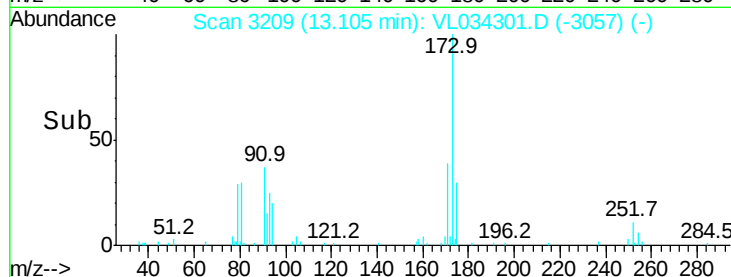
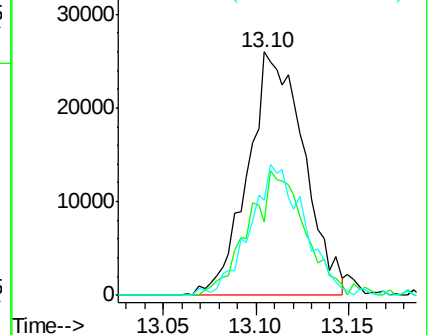
171 52.6 41.8 62.6



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: 0.353 ppbv

RT: 8.80 min Scan# 1871

Delta R.T. 0.01 min

Lab File: VL034301.D

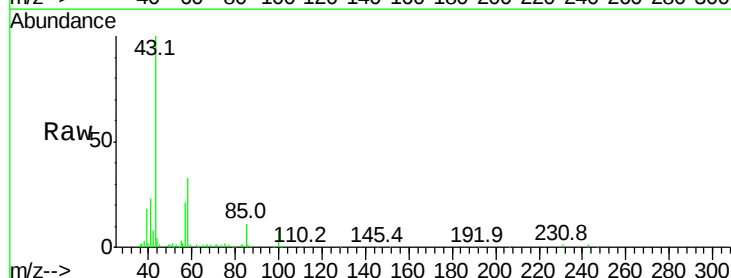
Acq: 16 Oct 2019 14:49

Tgt Ion: 43 Resp: 115830

Ion Ratio Lower Upper

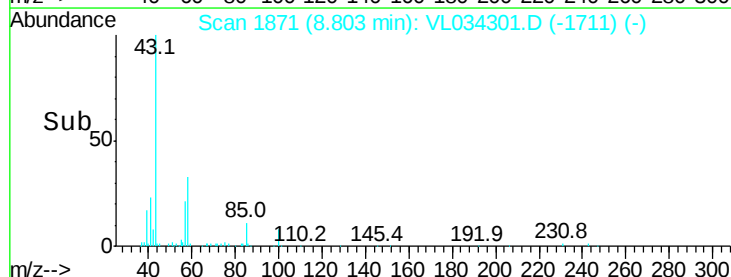
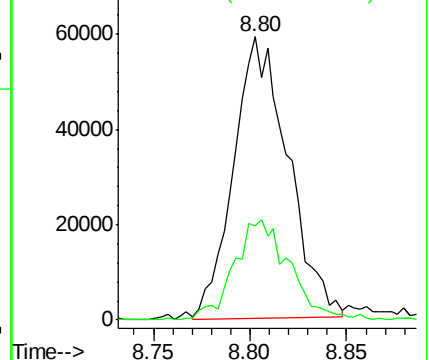
43 100

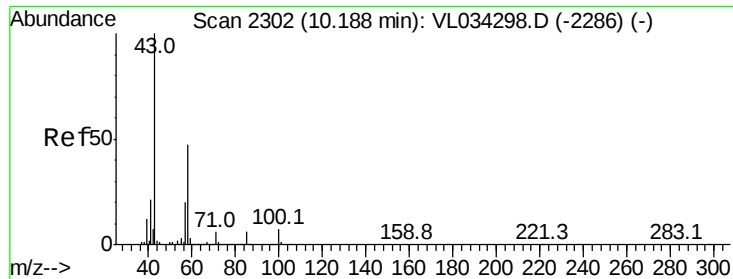
58 36.3 27.6 41.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 0.310 ppbv

RT: 10.21 min Scan# 2309

Delta R.T. 0.02 min

Lab File: VL034301.D

Acq: 16 Oct 2019 14:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

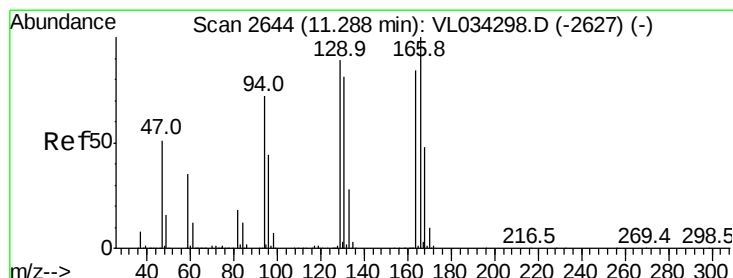
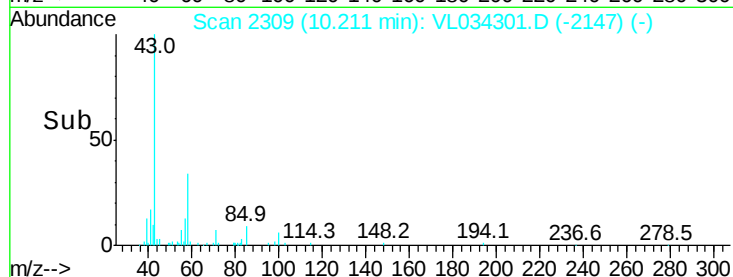
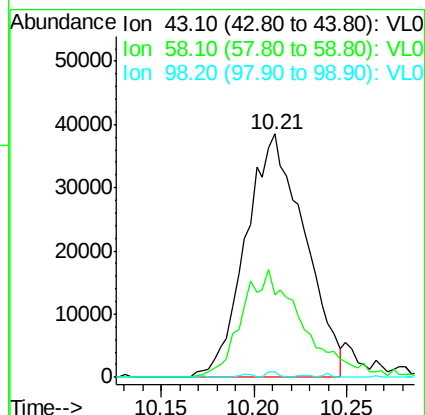
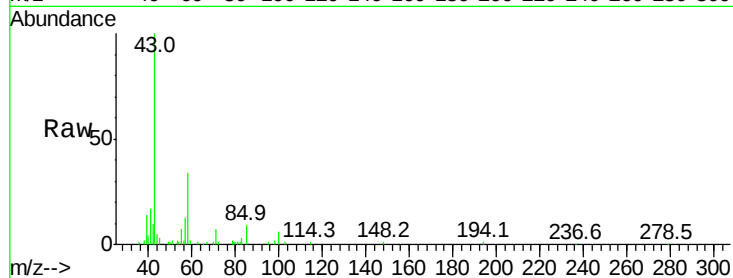
Tgt Ion: 43 Resp: 85144

Ion Ratio Lower Upper

43 100

58 46.5 37.0 55.6

98 0.9 0.2 0.2#



#52

Tetrachloroethene

Concen: 0.347 ppbv

RT: 11.28 min Scan# 2643

Delta R.T. -0.00 min

Lab File: VL034301.D

Acq: 16 Oct 2019 14:49

Tgt Ion: 164 Resp: 27953

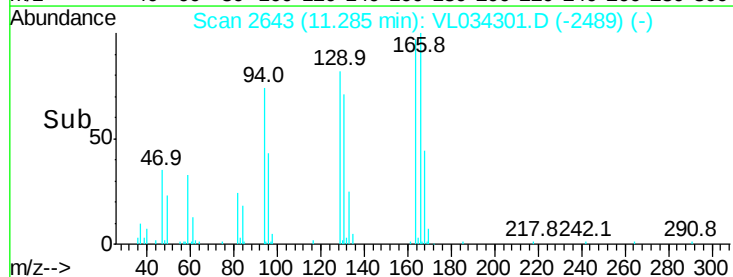
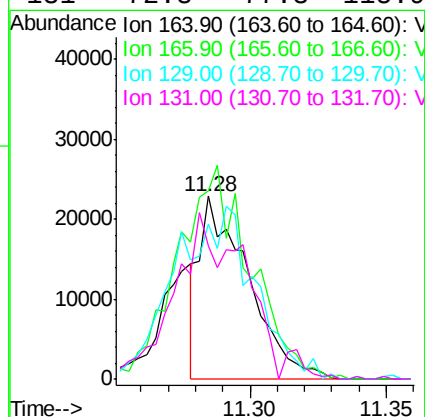
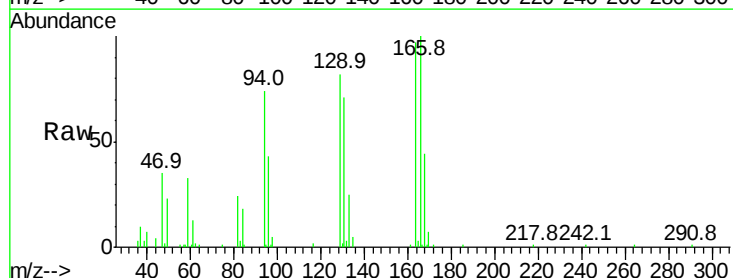
Ion Ratio Lower Upper

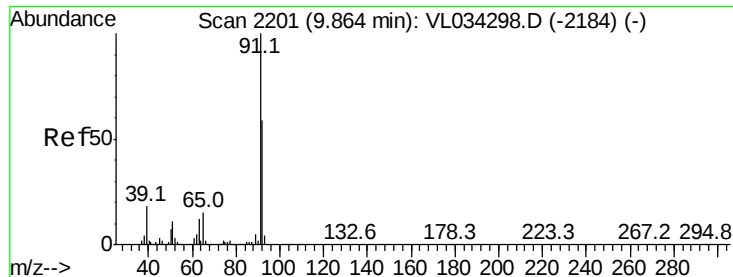
164 100

166 100.8 95.3 142.9

129 84.7 84.5 126.7

131 72.8 77.3 115.9#





#53

Toluene

Concen: 0.389 ppbv

RT: 9.86 min Scan# 2200

Delta R.T. -0.00 min

Lab File: VL034301.D

Acq: 16 Oct 2019 14:49

Instrument :

MSVOA_L

ClientSampleId :

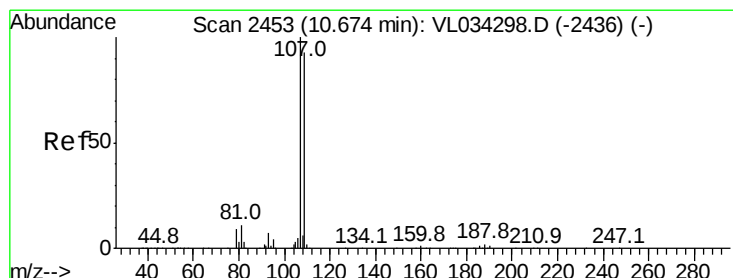
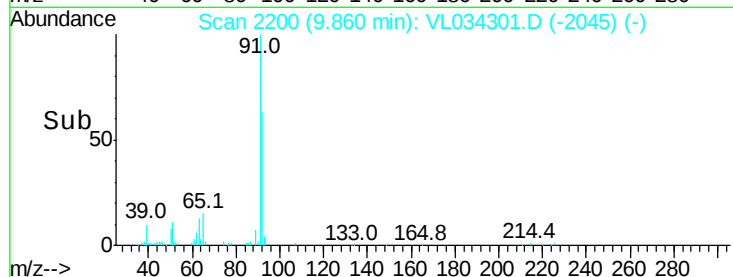
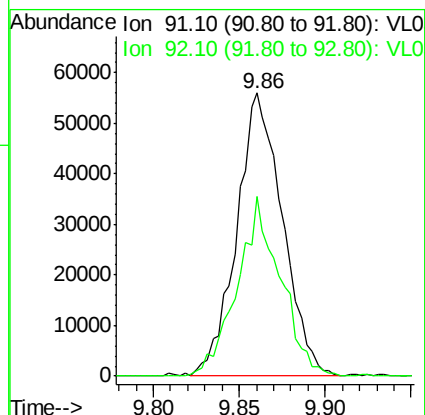
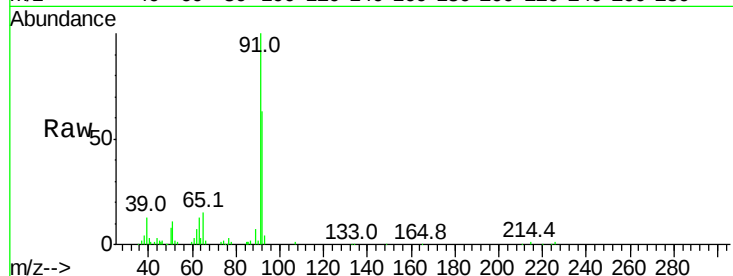
VSTDIC0.5

Tgt Ion: 91 Resp: 103688

Ion Ratio Lower Upper

91 100

92 59.7 48.4 72.6



#54

1,2-Dibromoethane

Concen: 0.467 ppbv

RT: 10.67 min Scan# 2451

Delta R.T. -0.01 min

Lab File: VL034301.D

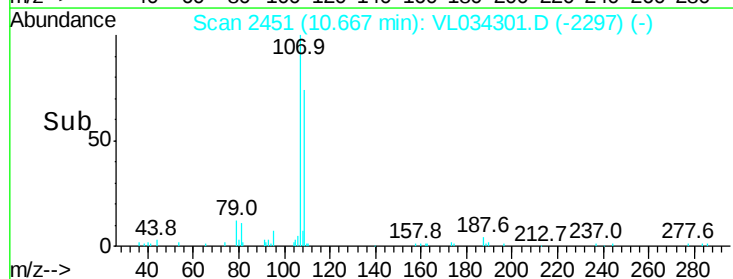
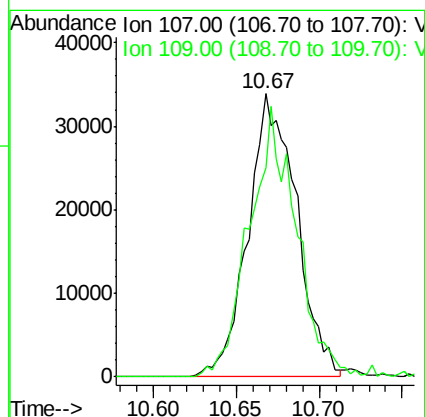
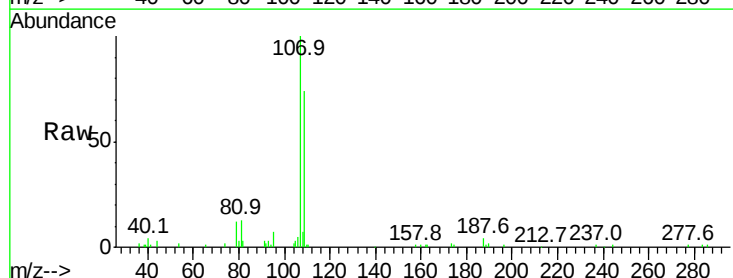
Acq: 16 Oct 2019 14:49

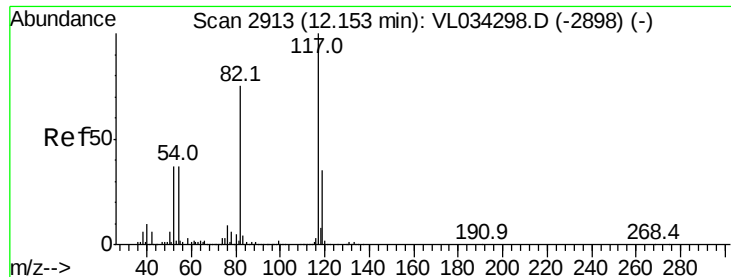
Tgt Ion: 107 Resp: 68276

Ion Ratio Lower Upper

107 100

109 73.9 74.6 112.0#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.16 min Scan# 2914

Delta R.T. 0.00 min

Lab File: VL034301.D

Acq: 16 Oct 2019 14:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

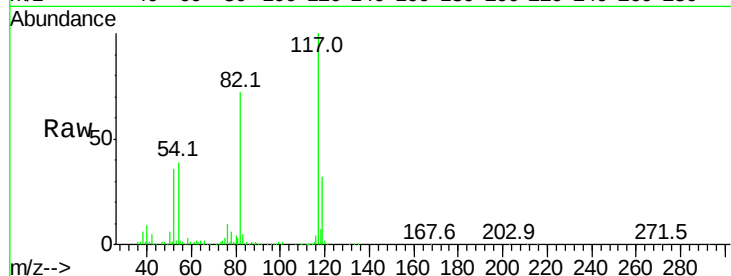
Tgt Ion:117 Resp: 2220866

Ion Ratio Lower Upper

117 100

82 72.1 55.5 83.3

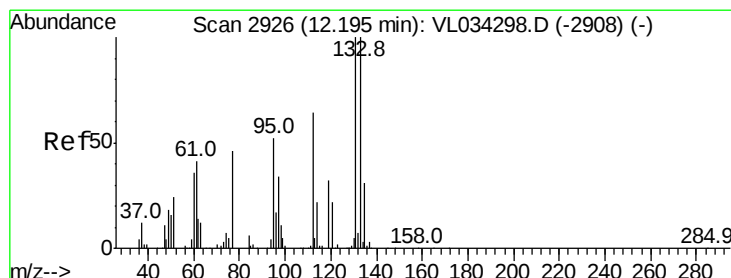
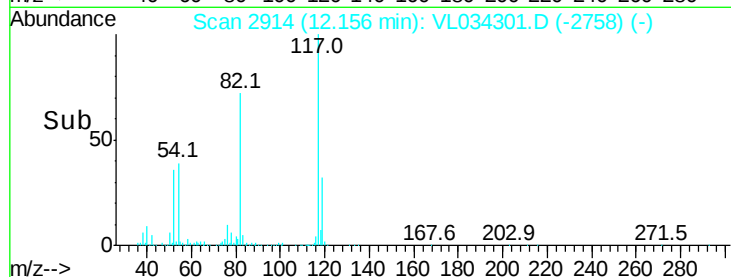
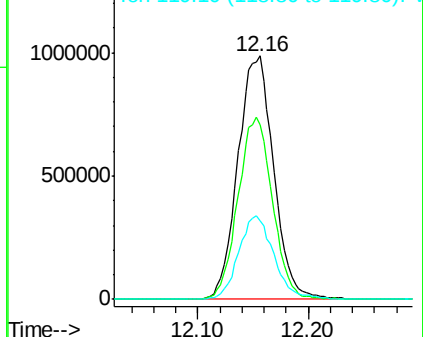
119 33.9 26.5 39.7



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 0.250 ppbv

RT: 12.19 min Scan# 2926

Delta R.T. -0.00 min

Lab File: VL034301.D

Acq: 16 Oct 2019 14:49

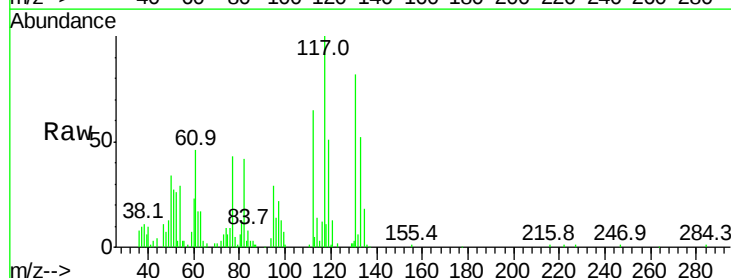
Tgt Ion:131 Resp: 24766

Ion Ratio Lower Upper

131 100

133 196.6 77.1 115.7#

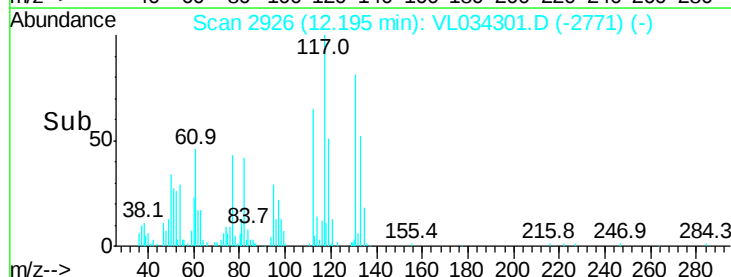
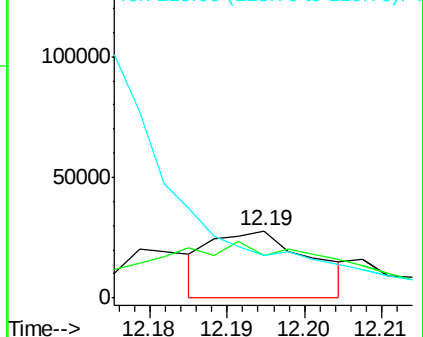
119 0.0 49.0 73.4#

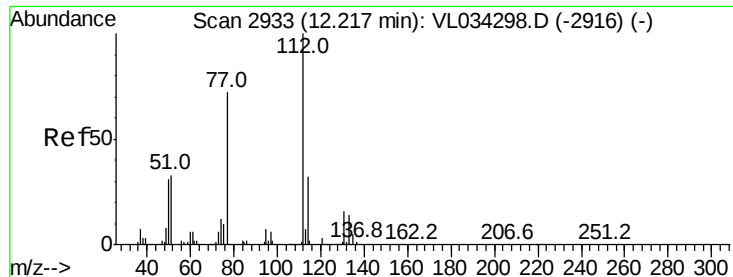


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 0.525 ppbv

RT: 12.22 min Scan# 2933

Delta R.T. -0.00 min

Lab File: VL034301.D

Acq: 16 Oct 2019 14:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

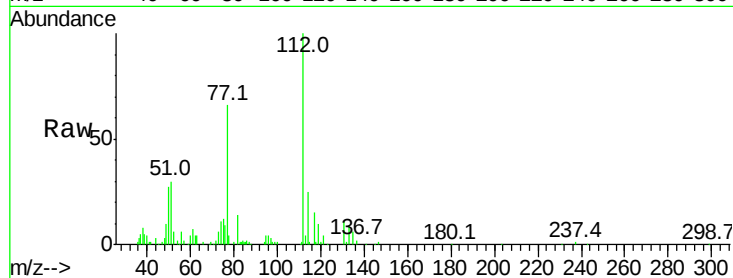
Tgt Ion: 112 Resp: 101584

Ion Ratio Lower Upper

112 100

77 64.0 58.6 88.0

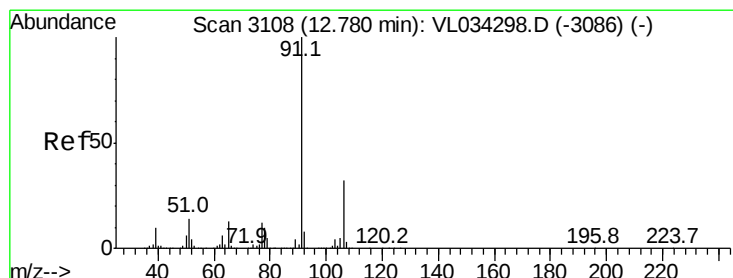
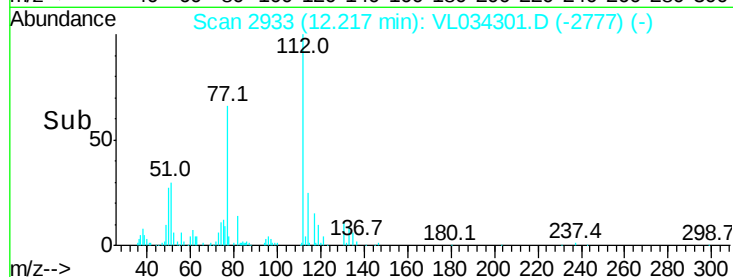
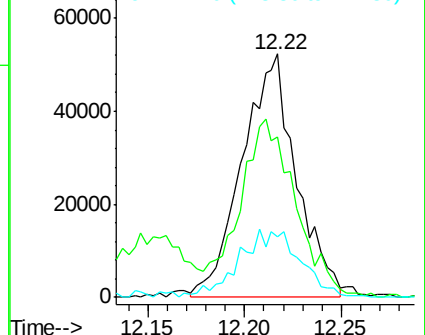
114 24.4 28.6 35.0#



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 0.412 ppbv

RT: 12.78 min Scan# 3107

Delta R.T. -0.00 min

Lab File: VL034301.D

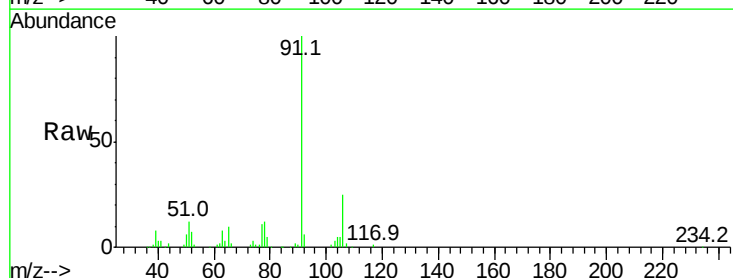
Acq: 16 Oct 2019 14:49

Tgt Ion: 91 Resp: 147767

Ion Ratio Lower Upper

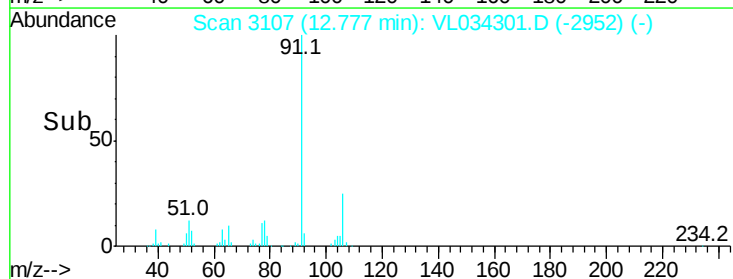
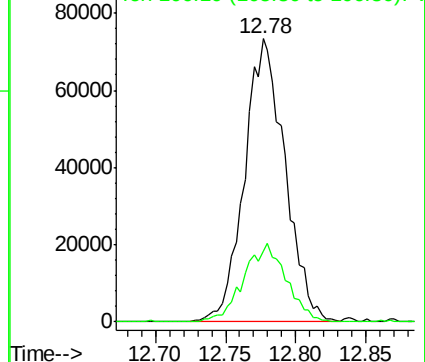
91 100

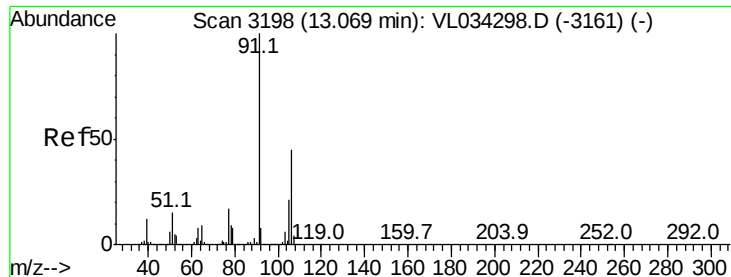
106 24.9 25.3 37.9#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 0.075 ppbv

RT: 13.07 min Scan# 3197

Delta R.T. -0.00 min

Lab File: VL034301.D

Acq: 16 Oct 2019 14:49

Instrument :

MSVOA_L

ClientSampleId :

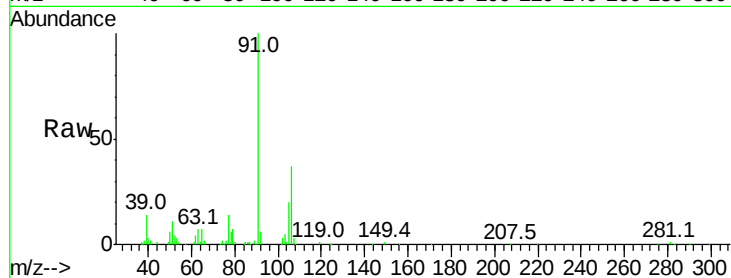
VSTDIC0.5

Tgt Ion: 91 Resp: 22142

Ion Ratio Lower Upper

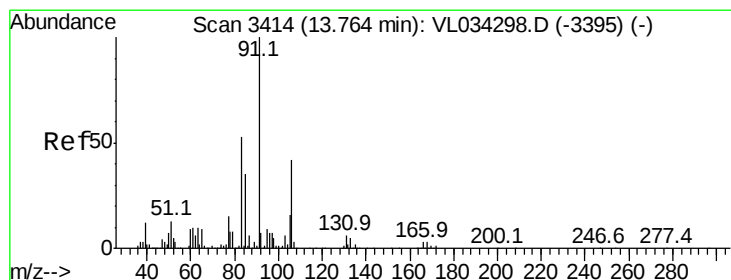
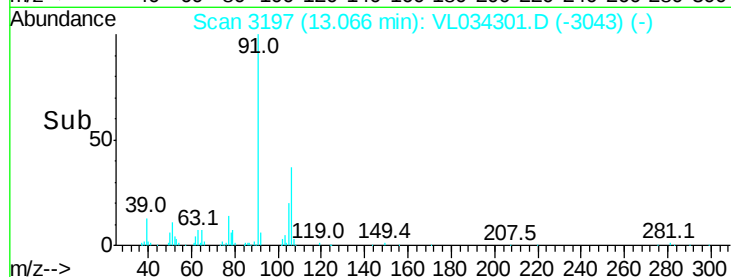
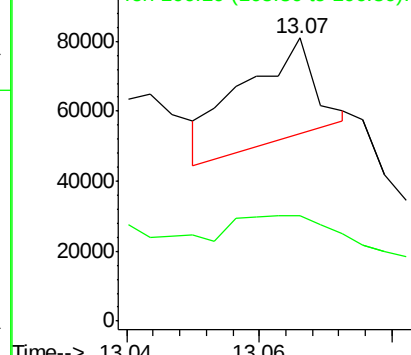
91 100

106 499.7 35.4 53.2#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#60

o-Xylene

Concen: 0.461 ppbv

RT: 13.76 min Scan# 3414

Delta R.T. -0.00 min

Lab File: VL034301.D

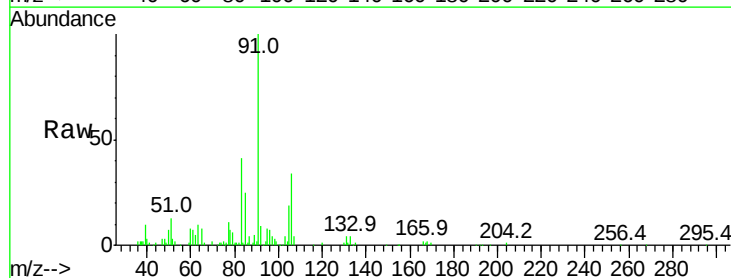
Acq: 16 Oct 2019 14:49

Tgt Ion: 91 Resp: 136768

Ion Ratio Lower Upper

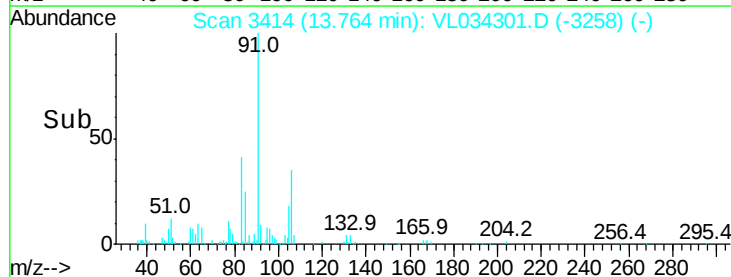
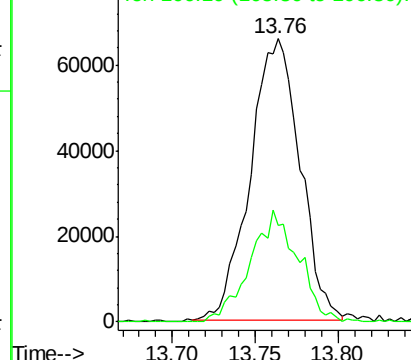
91 100

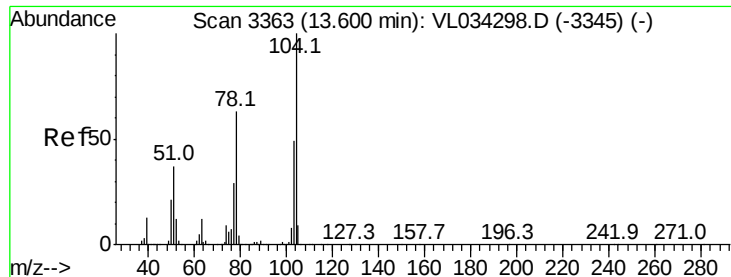
106 38.3 21.6 64.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#61

Styrene

Concen: 0.387 ppbv

RT: 13.60 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VL034301.D

Acq: 16 Oct 2019 14:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

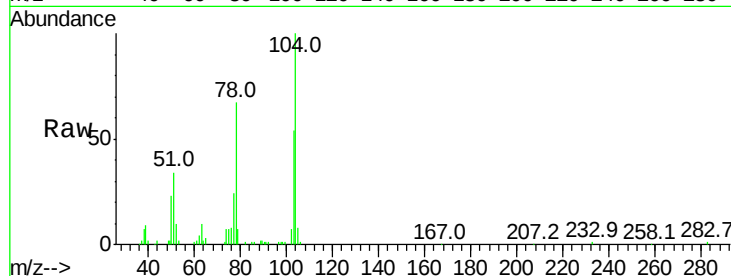
Tgt Ion:104 Resp: 82269

Ion Ratio Lower Upper

104 100

78 61.6 47.8 71.8

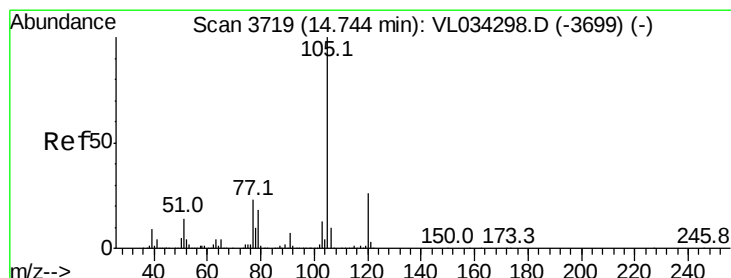
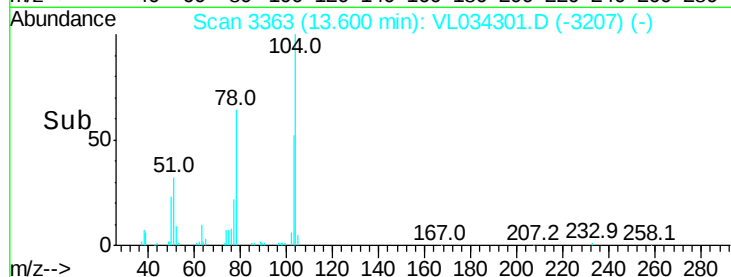
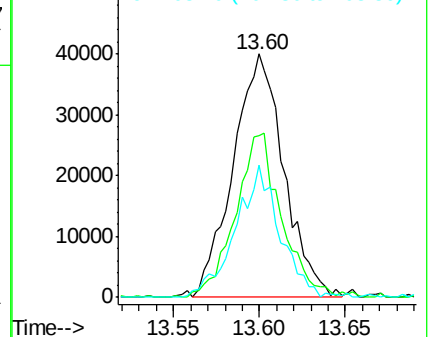
103 47.3 39.0 58.6



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: 0.467 ppbv

RT: 14.74 min Scan# 3718

Delta R.T. -0.00 min

Lab File: VL034301.D

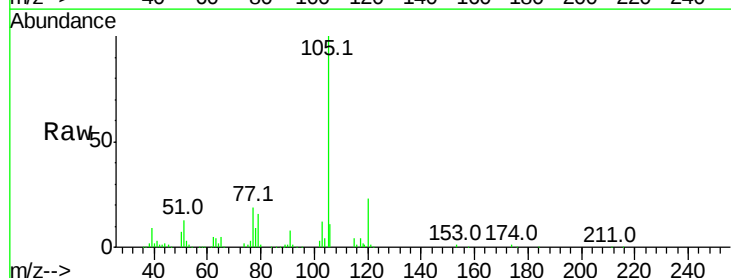
Acq: 16 Oct 2019 14:49

Tgt Ion:105 Resp: 179586

Ion Ratio Lower Upper

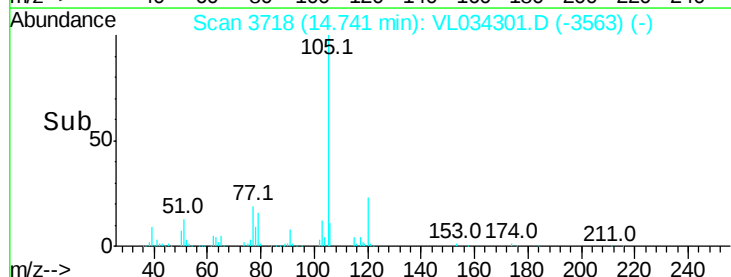
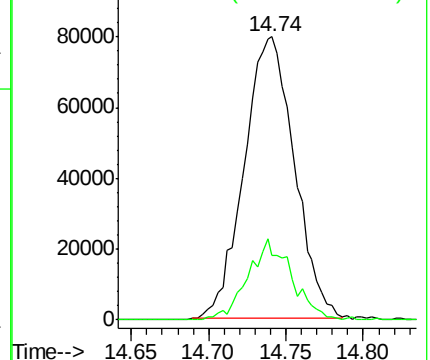
105 100

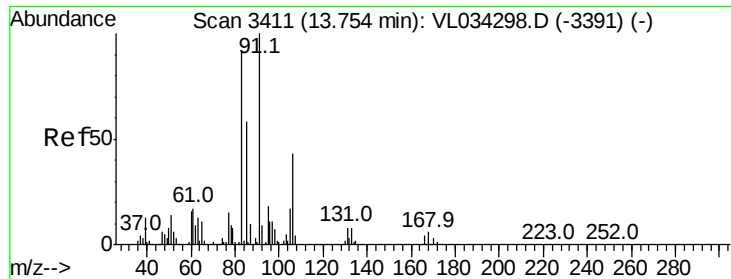
120 25.1 20.8 31.2



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: 0.435 ppbv

RT: 13.75 min Scan# 3409

Delta R.T. -0.01 min

Lab File: VL034301.D

Acq: 16 Oct 2019 14:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

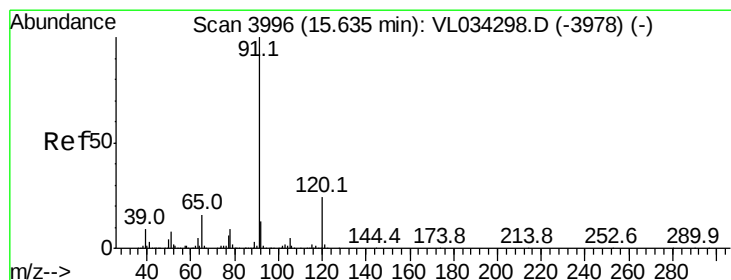
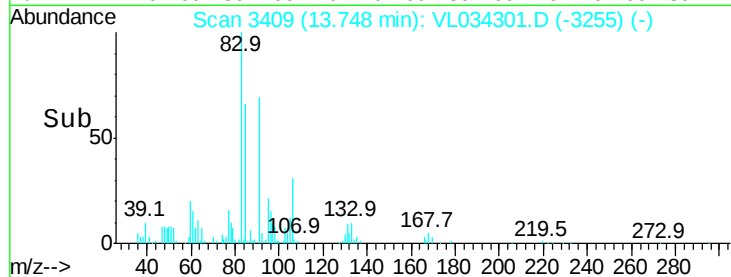
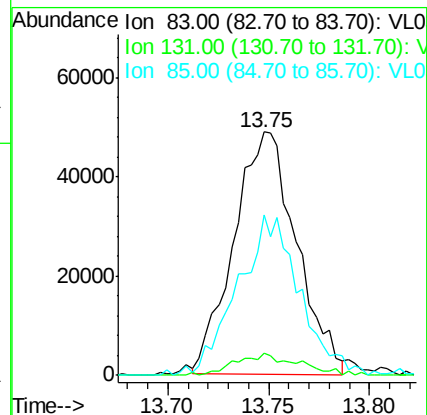
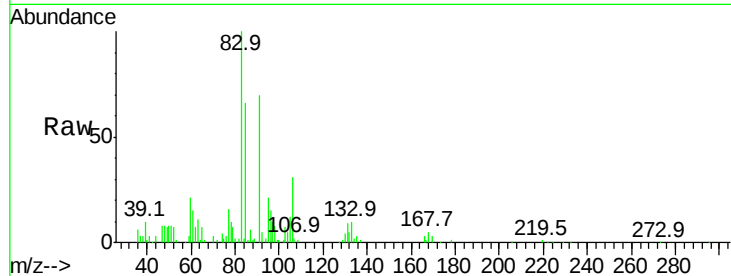
Tgt Ion: 83 Resp: 105922

Ion Ratio Lower Upper

83 100

131 9.1 4.8 14.4

85 66.7 32.5 97.4



#64

n-propylbenzene

Concen: 0.376 ppbv

RT: 15.64 min Scan# 3997

Delta R.T. 0.00 min

Lab File: VL034301.D

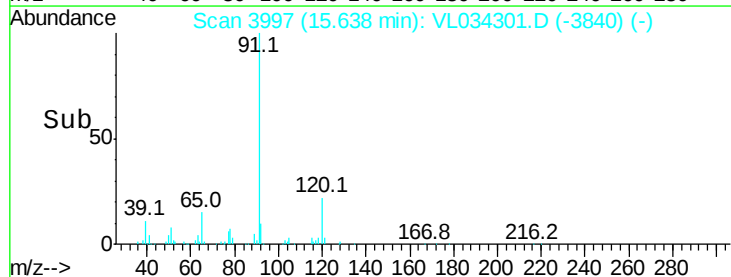
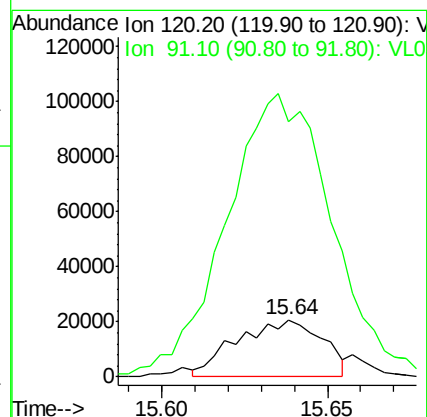
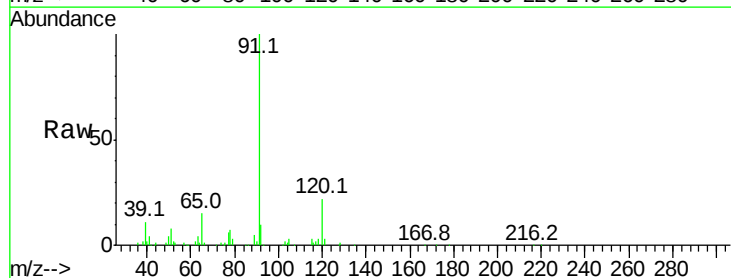
Acq: 16 Oct 2019 14:49

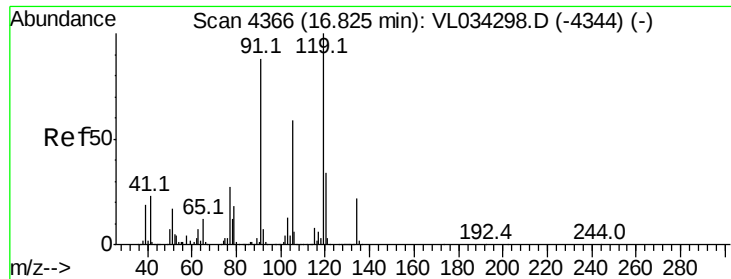
Tgt Ion: 120 Resp: 36559

Ion Ratio Lower Upper

120 100

91 633.4 374.9 562.3#





#65

tert-Butylbenzene

Concen: 0.438 ppbv

RT: 16.82 min Scan# 4365

Delta R.T. -0.00 min

Lab File: VL034301.D

Acq: 16 Oct 2019 14:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

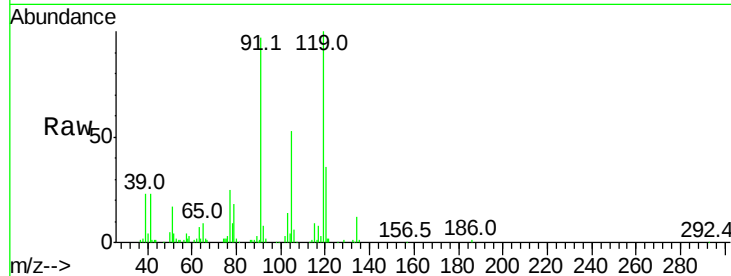
Tgt Ion:119 Resp: 147044

Ion Ratio Lower Upper

119 100

91 100.7 71.4 107.0

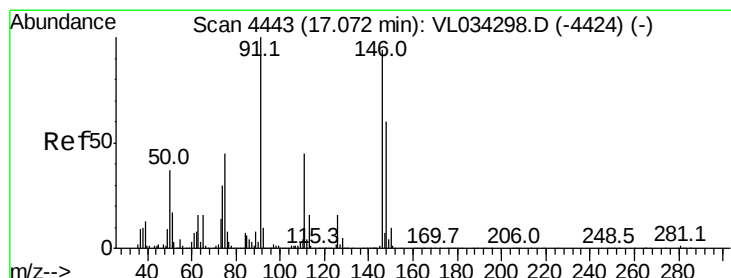
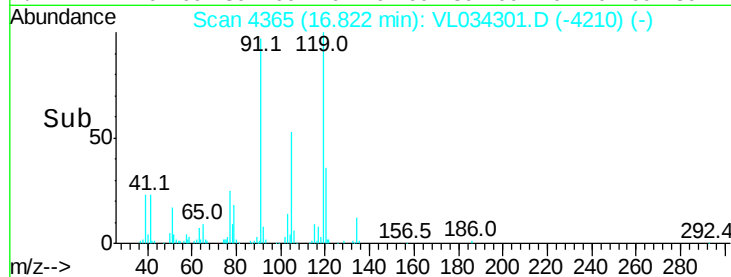
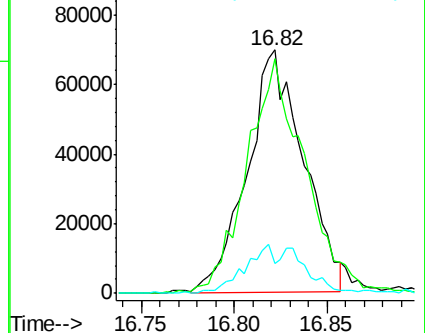
134 20.9 15.9 23.9



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: 0.051 ppbv

RT: 17.06 min Scan# 4440

Delta R.T. -0.01 min

Lab File: VL034301.D

Acq: 16 Oct 2019 14:49

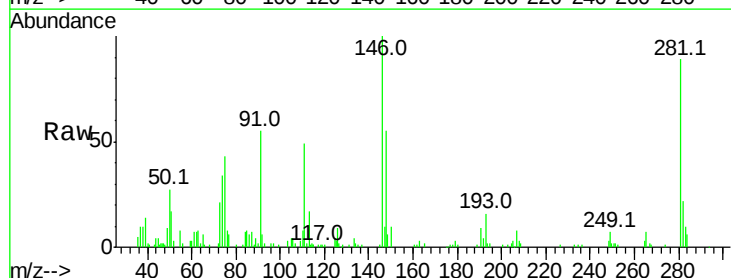
Tgt Ion: 91 Resp: 6083

Ion Ratio Lower Upper

91 100

126 0.0 12.9 19.3#

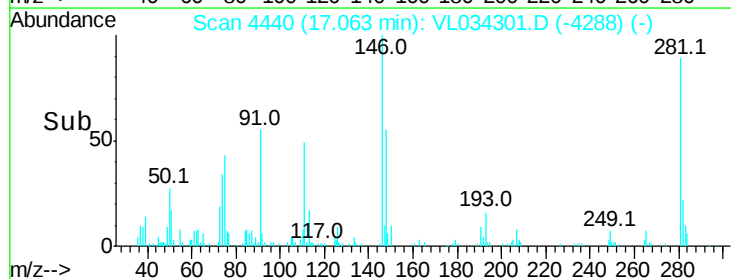
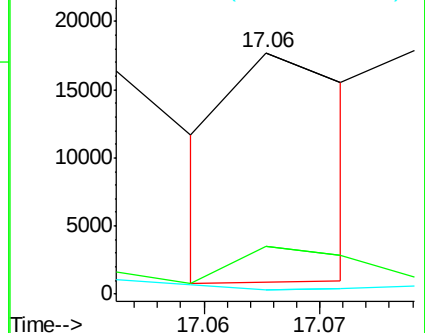
128 0.0 4.3 6.5#

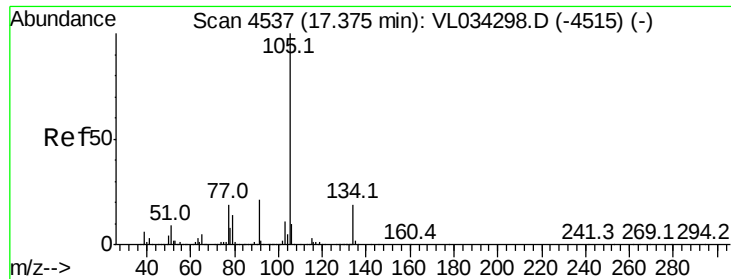


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V

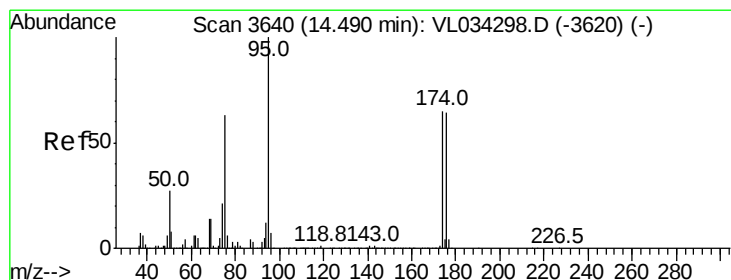
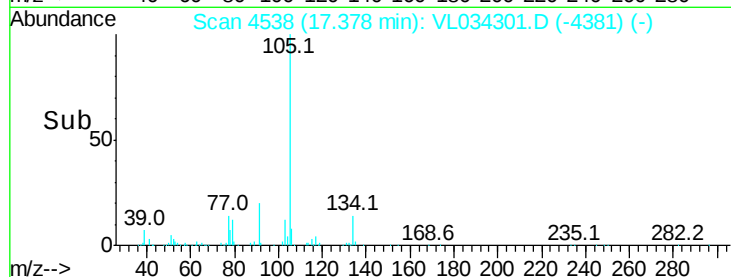
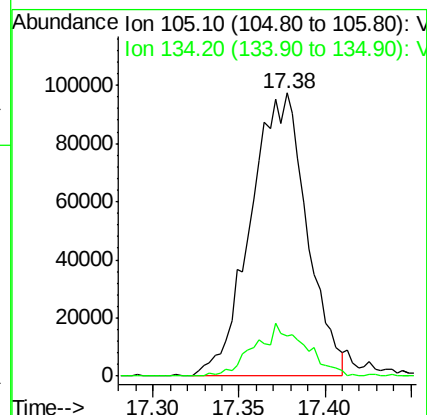
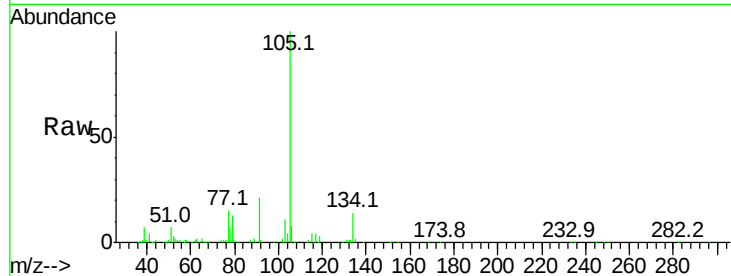




#67
 sec-Butylbenzene
 Concen: 0.461 ppbv
 RT: 17.38 min Scan# 4538
 Delta R.T. 0.00 min
 Lab File: VL034301.D
 Acq: 16 Oct 2019 14:49

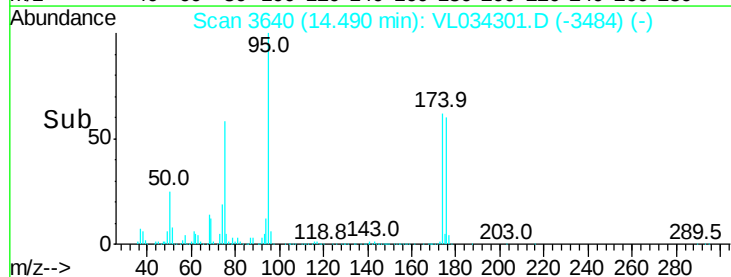
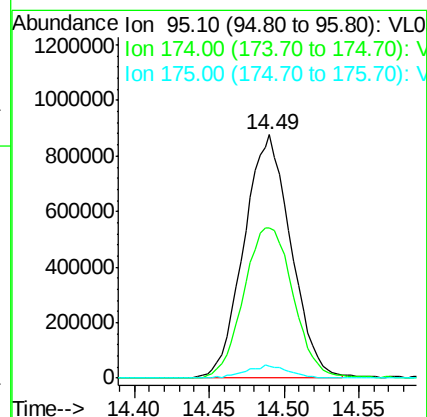
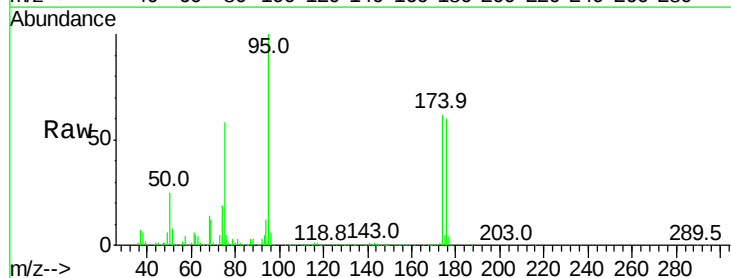
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

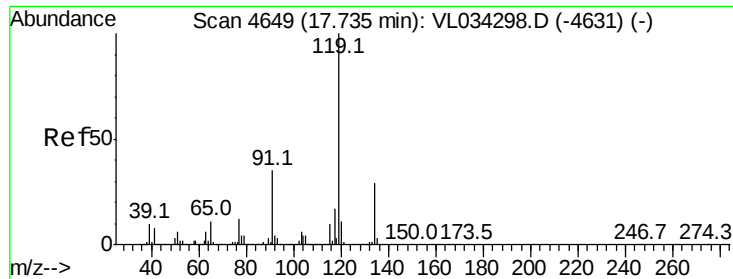
Tgt Ion: 105 Resp: 221260
 Ion Ratio Lower Upper
 105 100
 134 17.0 15.4 23.0



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.880 ppbv
 RT: 14.49 min Scan# 3640
 Delta R.T. -0.00 min
 Lab File: VL034301.D
 Acq: 16 Oct 2019 14:49

Tgt Ion: 95 Resp: 1906583
 Ion Ratio Lower Upper
 95 100
 174 65.6 52.6 78.8
 175 4.9 3.8 5.6

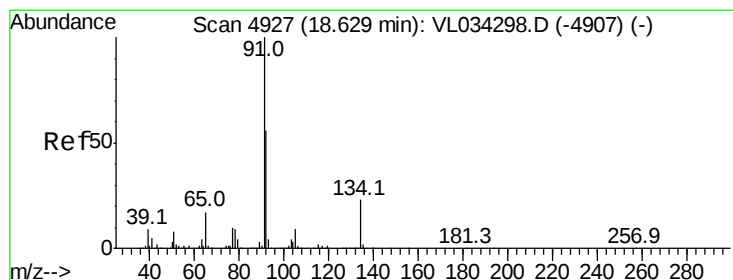
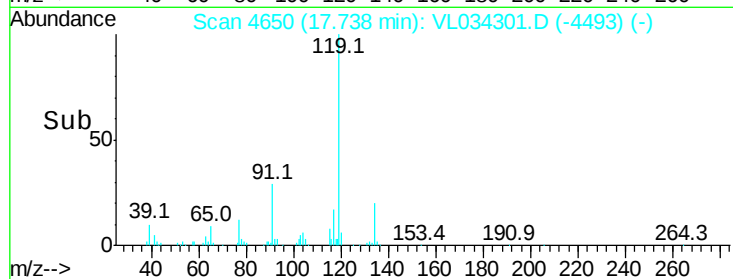
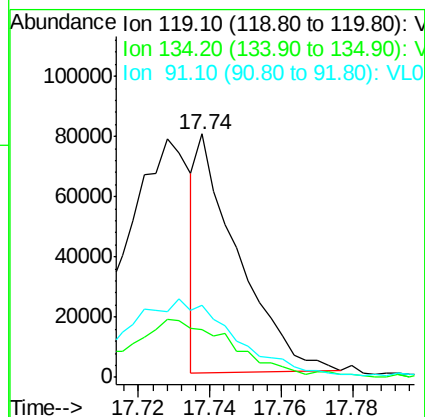
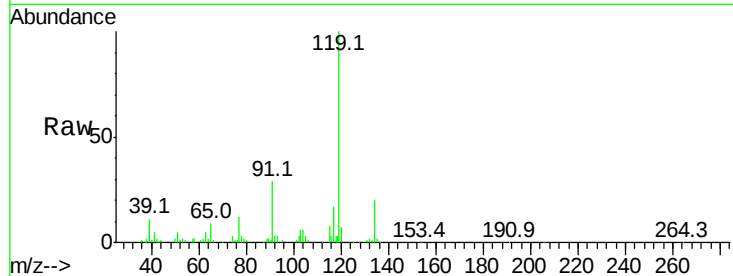




#69
 p-Isopropyltoluene
 Concen: 0.164 ppbv
 RT: 17.74 min Scan# 4650
 Delta R.T. 0.00 min
 Lab File: VL034301.D
 Acq: 16 Oct 2019 14:49

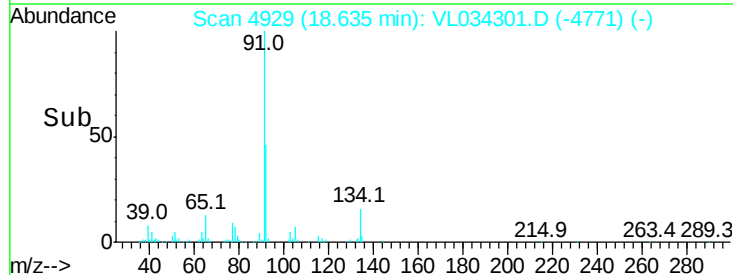
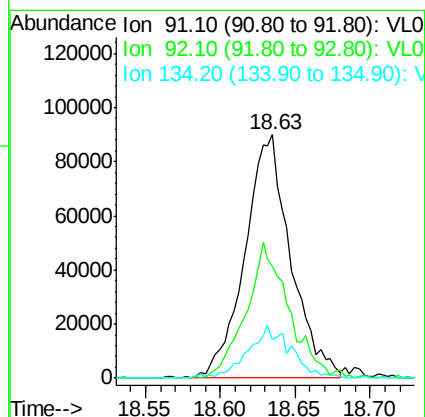
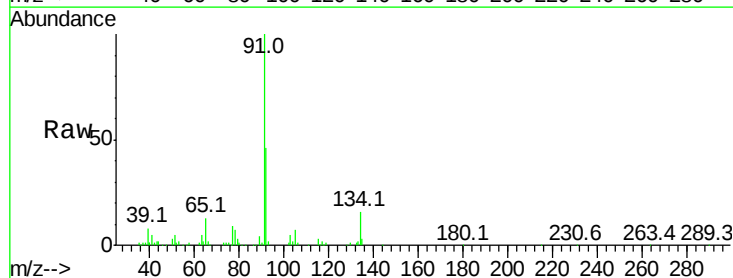
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

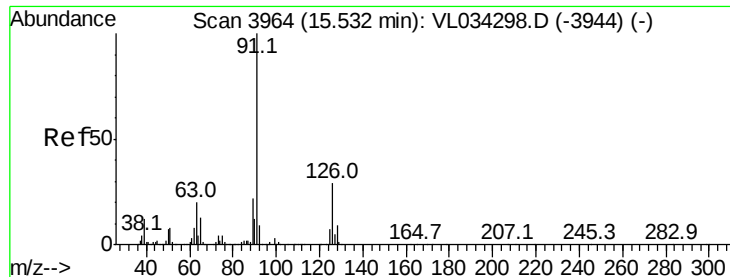
Tgt Ion	Ratio	Lower	Upper
119	100		
134	0.0	21.3	31.9#
91	0.0	26.6	39.8#



#70
 n-Butylbenzene
 Concen: 0.420 ppbv
 RT: 18.63 min Scan# 4929
 Delta R.T. 0.01 min
 Lab File: VL034301.D
 Acq: 16 Oct 2019 14:49

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.0	44.5	66.7
134	20.4	18.2	27.2





#71

2-Chlorotoluene

Concen: 0.424 ppbv

RT: 15.53 min Scan# 3963

Delta R.T. -0.00 min

Lab File: VL034301.D

Acq: 16 Oct 2019 14:49

Instrument :

MSVOA_L

ClientSampleId :

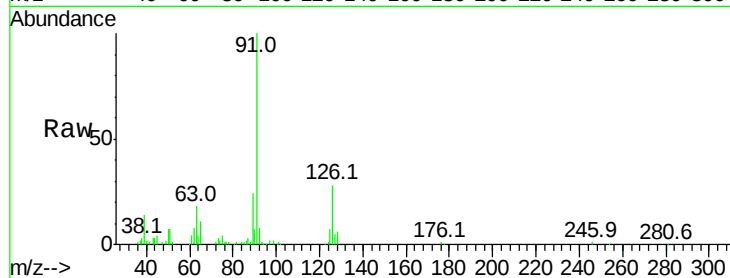
VSTDIC0.5

Tgt Ion: 91 Resp: 132959

Ion Ratio Lower Upper

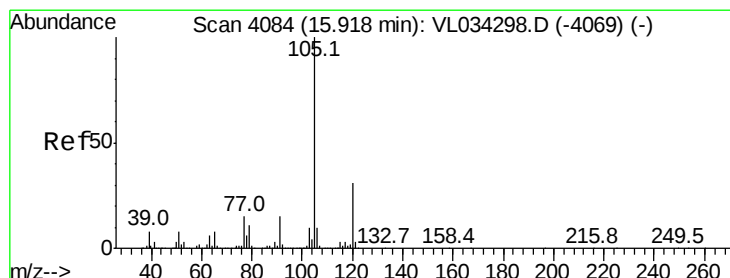
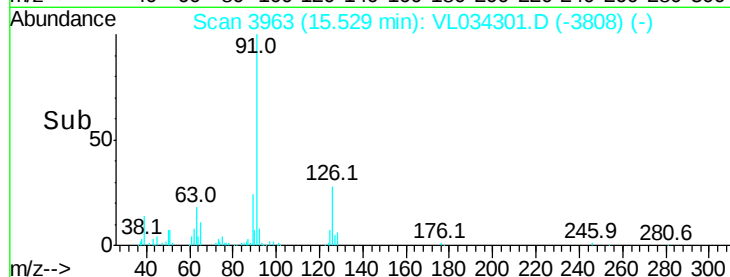
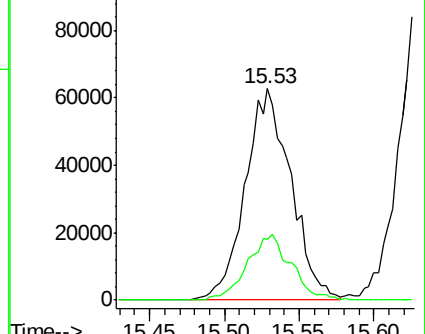
91 100

126 29.7 11.9 47.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 0.158 ppbv

RT: 15.92 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VL034301.D

Acq: 16 Oct 2019 14:49

Tgt Ion: 105 Resp: 52908

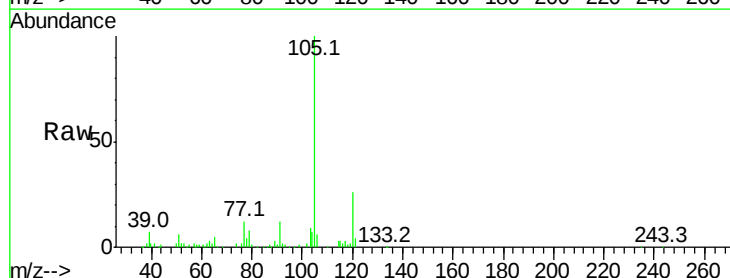
Ion Ratio Lower Upper

105 100

120 0.0 23.8 35.8#

91 0.0 11.2 16.8#

77 0.0 12.8 19.2#

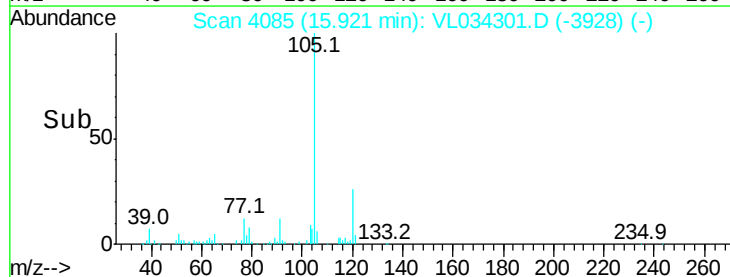
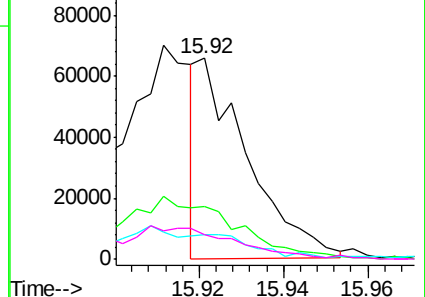


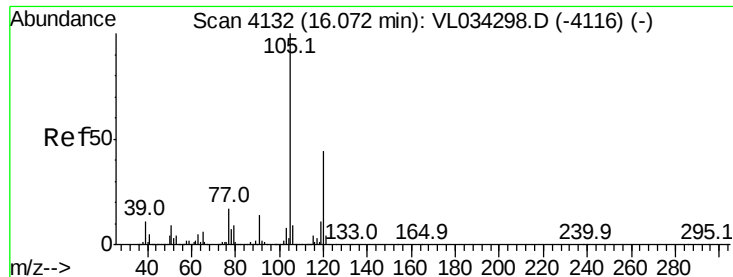
Abundance Ion 105.10 (104.80 to 105.80): V

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: 0.455 ppbv

RT: 16.07 min Scan# 4132

Delta R.T. -0.00 min

Lab File: VL034301.D

Acq: 16 Oct 2019 14:49

Instrument :

MSVOA_L

ClientSampleId :

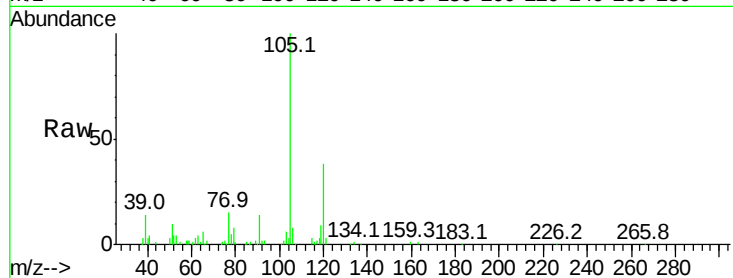
VSTDIC0.5

Tgt Ion:105 Resp: 147260

Ion Ratio Lower Upper

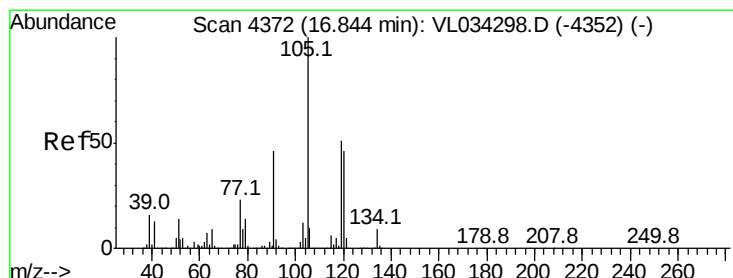
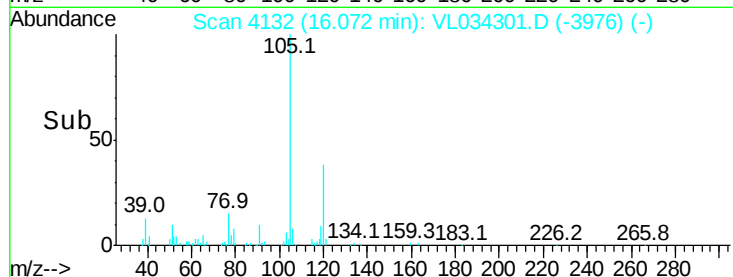
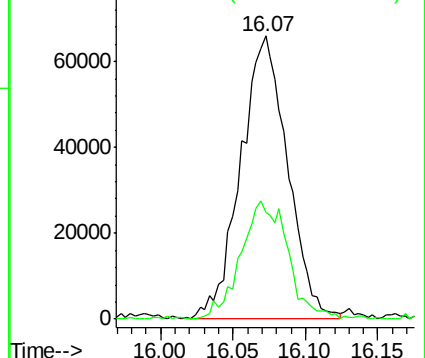
105 100

120 38.1 35.2 52.8



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: 0.440 ppbv

RT: 16.83 min Scan# 4369

Delta R.T. -0.01 min

Lab File: VL034301.D

Acq: 16 Oct 2019 14:49

Tgt Ion:105 Resp: 151291

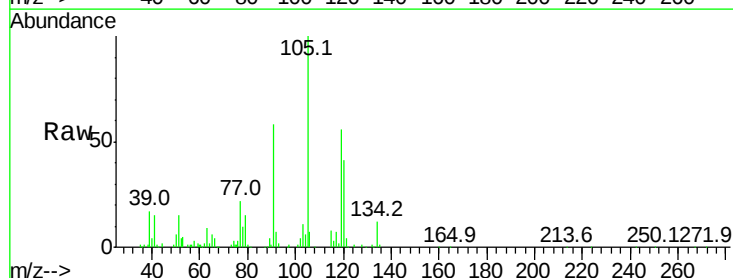
Ion Ratio Lower Upper

105 100

120 38.9 37.0 55.6

91 56.0 38.2 57.2

77 19.3 19.0 28.4

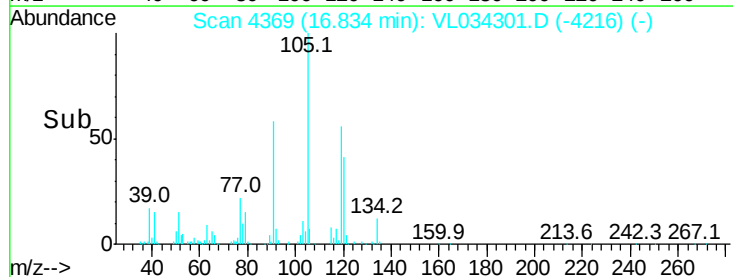
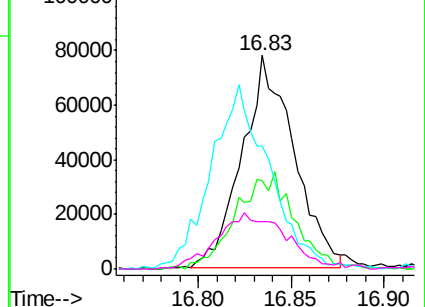


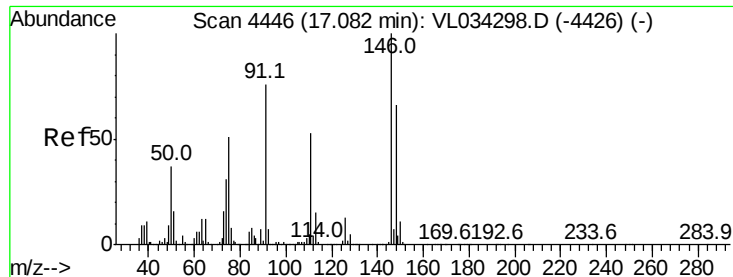
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

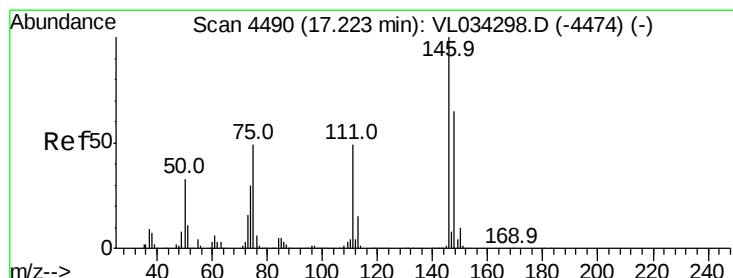
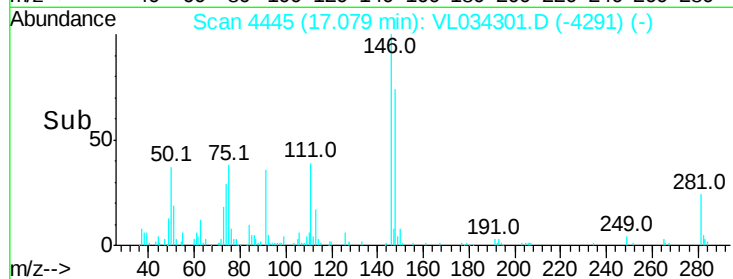
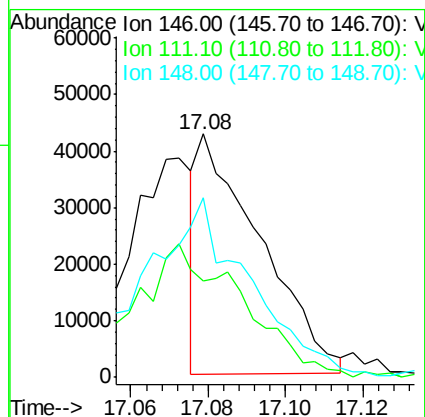
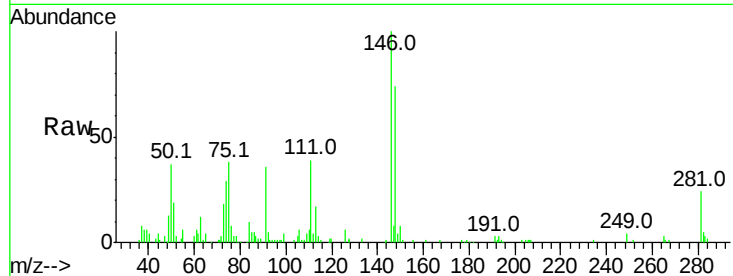




#75
 1,3-Dichlorobenzene
 Concen: 0.256 ppbv
 RT: 17.08 min Scan# 4445
 Delta R.T. -0.00 min
 Lab File: VL034301.D
 Acq: 16 Oct 2019 14:49

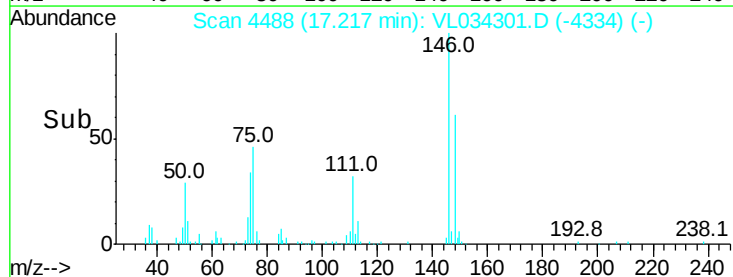
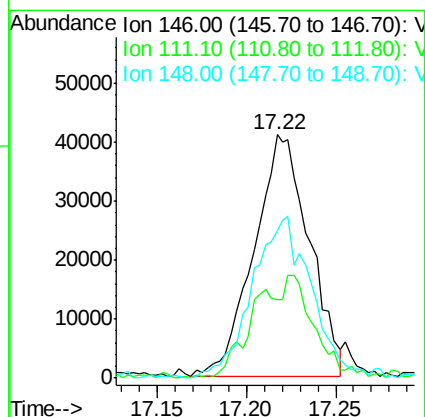
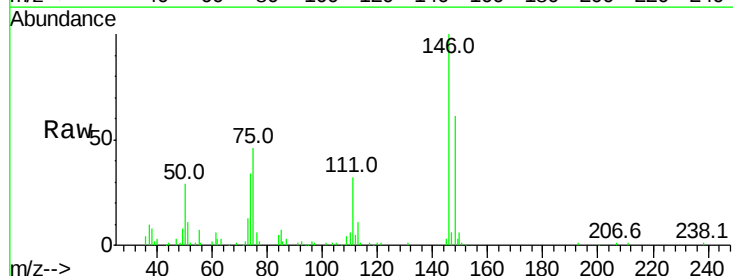
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

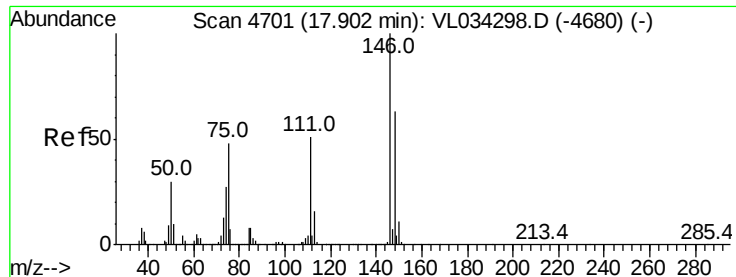
Tgt Ion:146 Resp: 47290
 Ion Ratio Lower Upper
 146 100
 111 0.0 24.5 73.5#
 148 132.1 32.3 96.8#



#76
 1,4-Dichlorobenzene
 Concen: 0.469 ppbv
 RT: 17.22 min Scan# 4488
 Delta R.T. -0.01 min
 Lab File: VL034301.D
 Acq: 16 Oct 2019 14:49

Tgt Ion:146 Resp: 88728
 Ion Ratio Lower Upper
 146 100
 111 46.4 23.9 71.7
 148 71.5 33.1 99.2

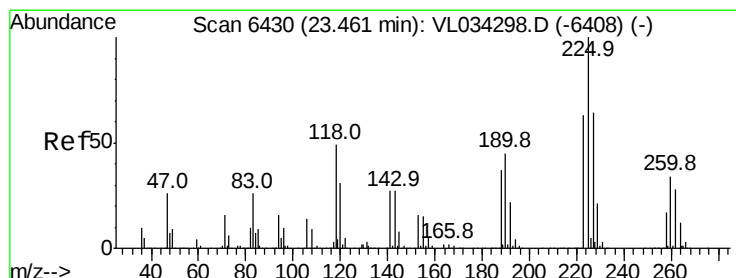
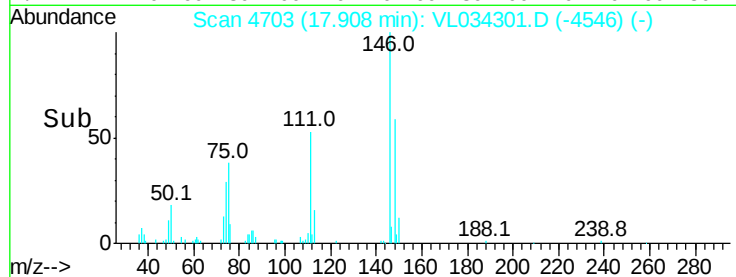
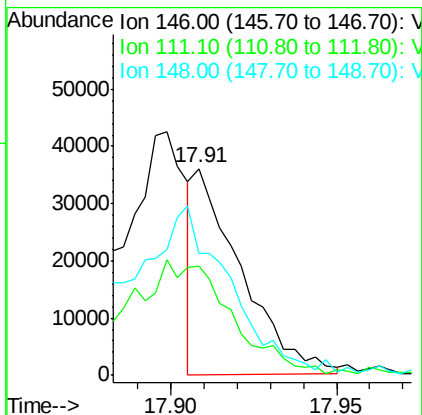
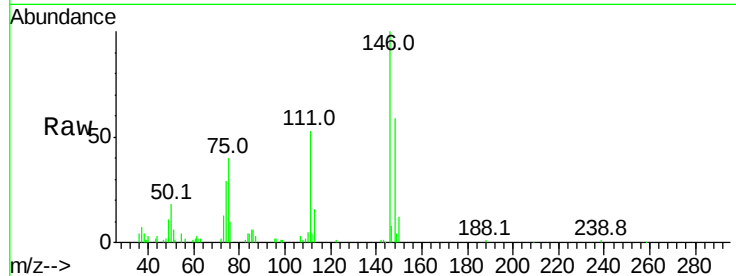




#77
 1,2-Dichlorobenzene
 Concen: 0.190 ppbv
 RT: 17.91 min Scan# 4703
 Delta R.T. 0.01 min
 Lab File: VL034301.D
 Acq: 16 Oct 2019 14:49

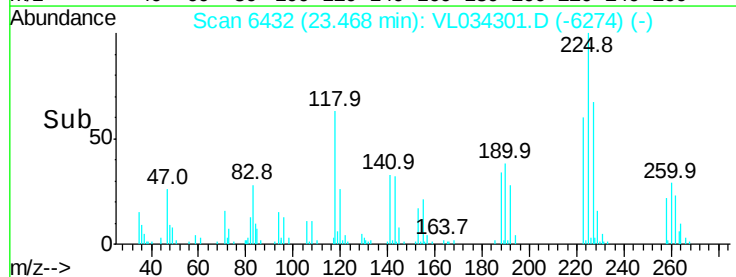
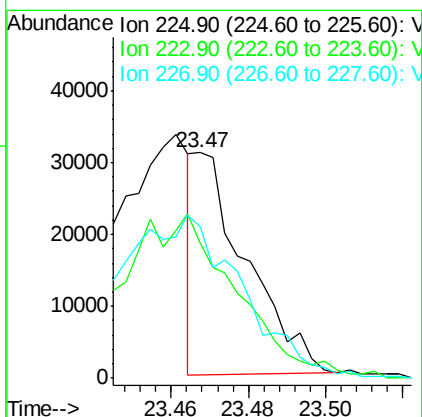
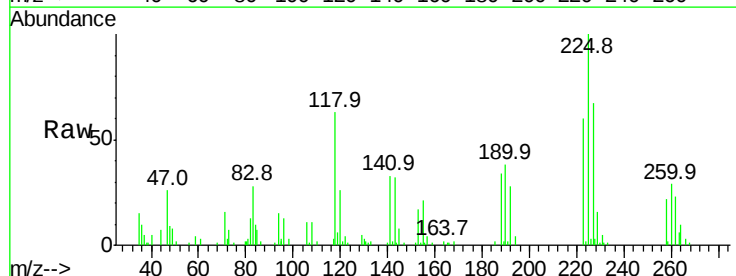
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

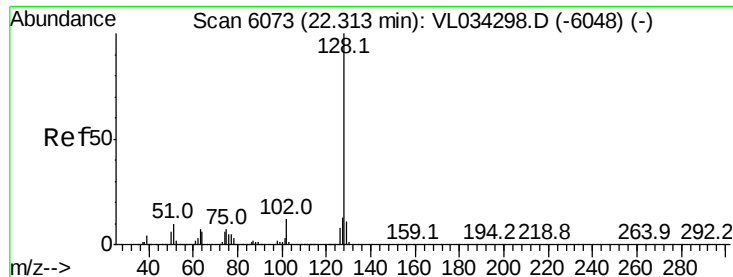
Tgt Ion:146 Resp: 35553
 Ion Ratio Lower Upper
 146 100
 111 0.0 25.1 75.3#
 148 178.9 32.3 96.8#



#78
 Hexachloro-1,3-Butadiene
 Concen: 0.231 ppbv
 RT: 23.47 min Scan# 6432
 Delta R.T. 0.01 min
 Lab File: VL034301.D
 Acq: 16 Oct 2019 14:49

Tgt Ion:225 Resp: 28517
 Ion Ratio Lower Upper
 225 100
 223 177.7 50.8 76.2#
 227 187.4 51.5 77.3#





#79

Naphthalene

Concen: 0.136 ppbv

RT: 22.32 min Scan# 6074

Delta R.T. 0.00 min

Lab File: VL034301.D

Acq: 16 Oct 2019 14:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

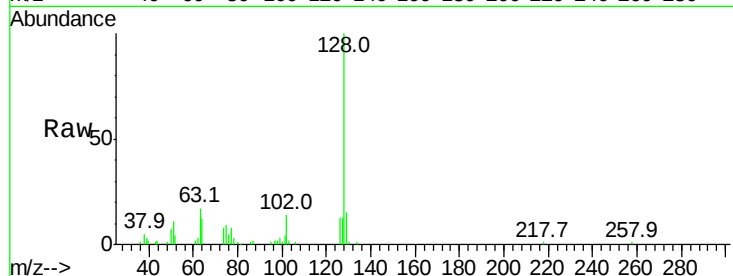
Tgt Ion:128 Resp: 41322

Ion Ratio Lower Upper

128 100

127 10.9 10.2 15.4

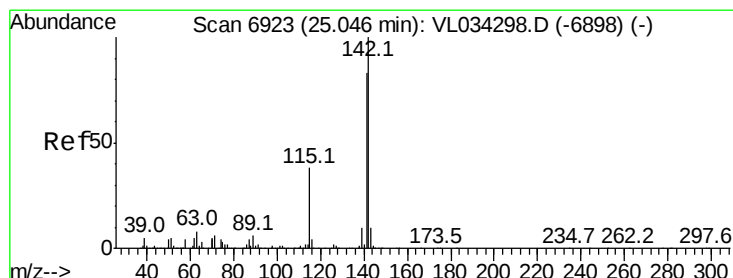
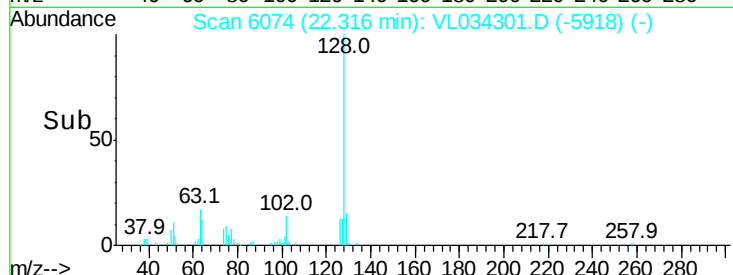
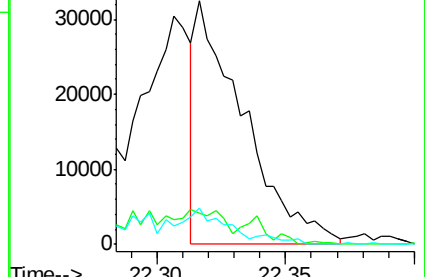
129 15.5 8.9 13.3#



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: 0.121 ppbv

RT: 25.06 min Scan# 6926

Delta R.T. 0.01 min

Lab File: VL034301.D

Acq: 16 Oct 2019 14:49

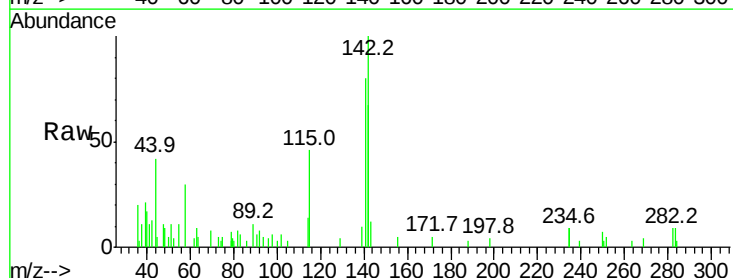
Tgt Ion:142 Resp: 17055

Ion Ratio Lower Upper

142 100

141 77.6 65.7 98.5

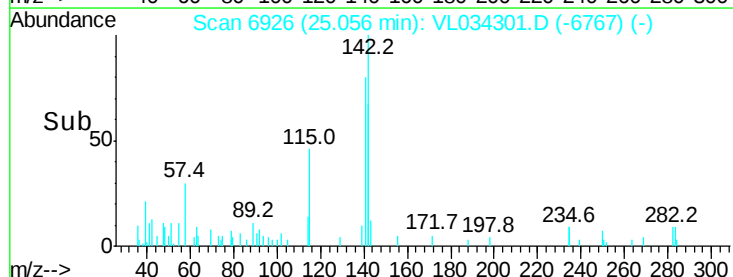
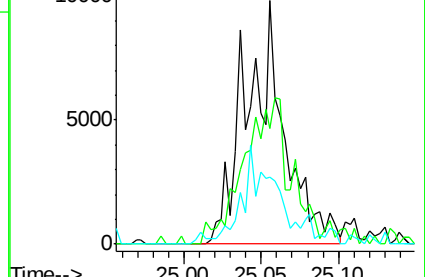
115 38.5 30.9 46.3

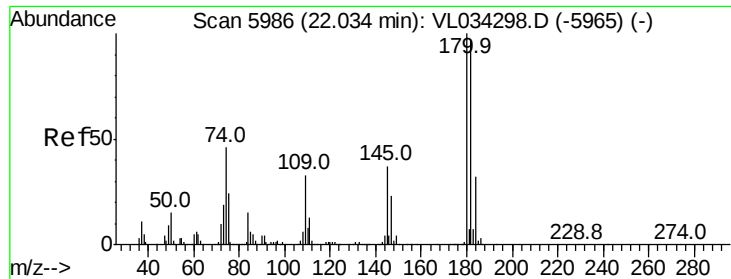


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 0.094 ppbv
 RT: 22.04 min Scan# 5988
 Delta R.T. 0.01 min
 Lab File: VL034301.D
 Acq: 16 Oct 2019 14:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion:180 Resp: 15699
 Ion Ratio Lower Upper
 180 100
 182 0.0 77.8 116.8#
 184 0.0 25.4 38.2#

