

Data File : VL034377.D

Acq On : 19 Nov 2019 11:46

Operator : SY/AP

Sample : VSTDIC0.5

Misc : 400ml/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Quant Time: Nov 19 12:57:49 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111919AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct 17 05:12:37 2019

QLast Update : Tue Nov 19 12:55:12 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1040914	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.20	114	2109577	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.14	117	2079378	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.47	95	1778642	10.10	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.00%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.02	85	127080	0.708	ppbv	89
3) Chlorodifluoromethane	2.96	51	68444	0.561	ppbv	96
4) Chloromethane	3.11	50	41525	0.575	ppbv #	86
5) Vinyl Chloride	3.23	62	35685	0.519	ppbv	99
6) Bromomethane	3.45	94	19707	0.585	ppbv	97
7) Chloroethane	3.53	64	6501	0.268	ppbv	93
8) Dichlorotetrafluoroethane	3.16	85	93055	0.598	ppbv	99
9) Propene	2.98	41	31816	0.588	ppbv	99
10) Heptane	8.16	43	76703	0.553	ppbv	96
11) Trichlorofluoromethane	3.94	101	103333	0.606	ppbv	89
12) 1,1,2-Trichlorotrifluoroet	4.48	101	70204	0.629	ppbv	90
13) Ethanol	3.59	45	7834	0.647	ppbv #	33
14) Bromoethene	3.73	108	26829	0.610	ppbv	99
15) Acetone	3.84	43	87907	0.590	ppbv	99
16) 1,3-Butadiene	3.30	39	34531	0.571	ppbv	99
17) tert-Butyl alcohol	4.30	59	65295	0.687	ppbv	97
18) 1,1-Dichloroethene	4.28	96	29373	0.601	ppbv	86
19) Isopropyl Alcohol	3.97	45	18956	0.228	ppbv #	95
20) Methylene Chloride	4.34	84	30968	0.575	ppbv	82
21) Allyl Chloride	4.41	41	44593	0.542	ppbv	94
22) trans-1,2-Dichloroethene	4.88	96	13725	0.282	ppbv	90
23) Vinyl Acetate	5.08	43	96591	0.519	ppbv #	94
24) 1,1-Dichloroethane	5.01	63	81774	0.593	ppbv	98
25) Ethyl Acetate	5.69	43	144310	0.574	ppbv	99
26) Hexane	5.69	57	60946	0.569	ppbv	95
27) Carbon Disulfide	4.55	76	55383	0.498	ppbv #	85
28) Methyl tert-Butyl Ether	5.04	73	97909	0.604	ppbv	99
29) Chloroform	5.76	83	101934	0.601	ppbv	90
30) Cyclohexane	7.15	84	19075	0.242	ppbv #	1
31) cis-1,2-Dichloroethene	5.56	61	60631	0.558	ppbv	90
32) 1,1,1-Trichloroethane	6.53	97	85791	0.521	ppbv	94
34) 2-Butanone	5.26	43	91854	0.533	ppbv	98
35) Carbon Tetrachloride	7.05	117	35368	0.192	ppbv	90
36) Benzene	6.92	78	105155	0.520	ppbv	92
37) 1,2-Dichloroethane	6.32	62	83337	0.552	ppbv	99
38) Trichloroethene	7.86	130	17044	0.210	ppbv	90
39) 1,2-Dichloropropane	7.64	63	38629	0.443	ppbv #	89
40) 1,4-Dioxane	7.87	88	2958	0.097	ppbv #	1
41) Tetrahydrofuran	6.07	42	20520	0.214	ppbv #	40
42) Bromodichloromethane	7.82	83	56474	0.306	ppbv	86
43) Methyl Methacrylate	8.04	69	22476	0.268	ppbv #	1

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111919AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct 17 05:12:37 2019
QLast Update : Tue Nov 19 12:55:12 2019
Response via : Initial Calibration

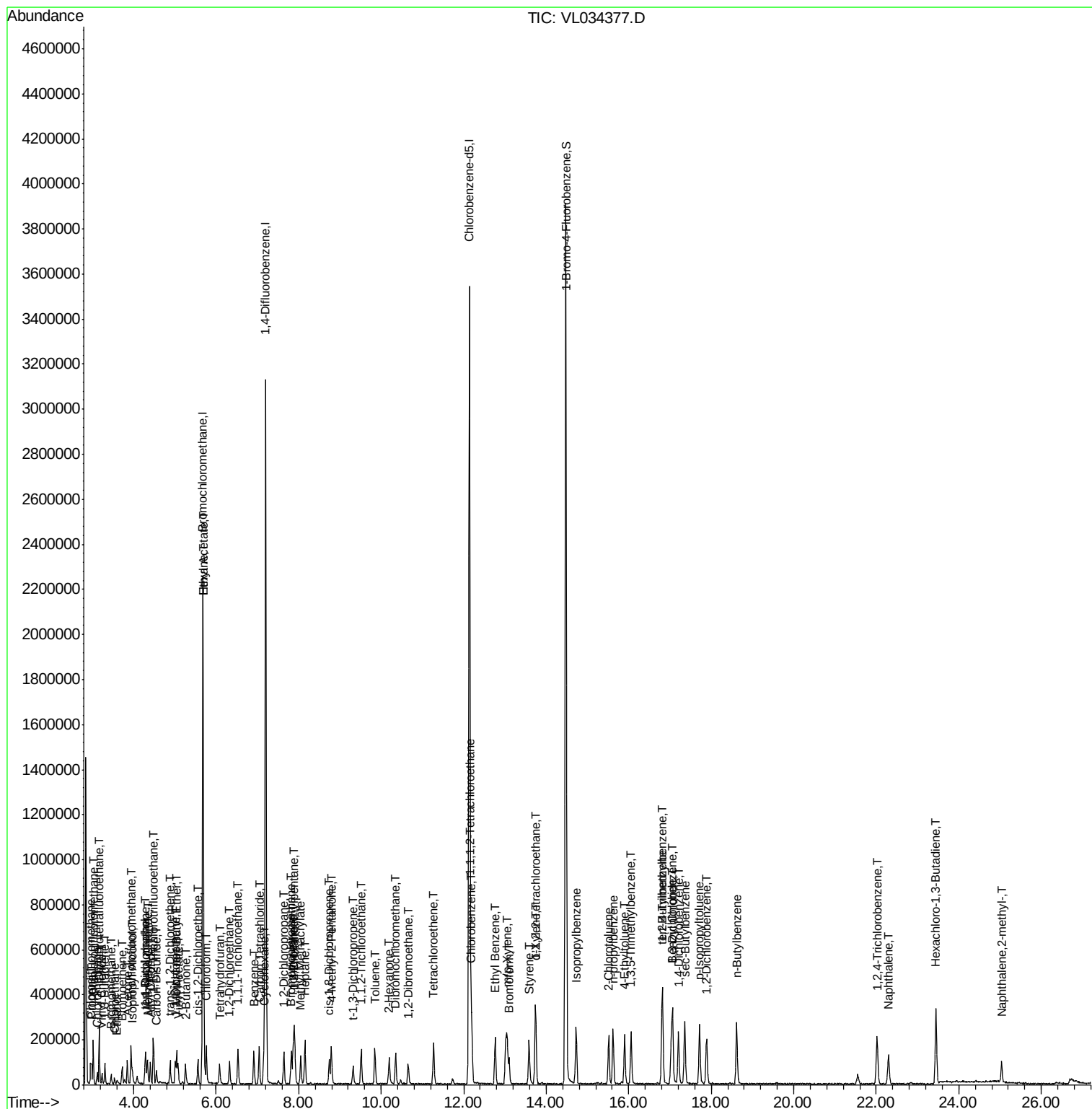
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.90	57	199794	0.533	ppbv	98
45) t-1,3-Dichloropropene	9.31	75	21399	0.210	ppbv	91
46) cis-1,3-Dichloropropene	8.73	75	5619	0.048	ppbv #	31
47) 1,1,2-Trichloroethane	9.52	97	43698	0.495	ppbv #	86
48) Dibromochloromethane	10.35	129	56368	0.389	ppbv	72
49) Bromoform	13.09	173	25180	0.196	ppbv #	27
50) 4-Methyl-2-Pentanone	8.78	43	56160	0.228	ppbv #	40
51) 2-Hexanone	10.19	43	95287	0.471	ppbv #	100
52) Tetrachloroethene	11.27	164	28388	0.358	ppbv	91
53) Toluene	9.84	91	117029	0.524	ppbv	98
54) 1,2-Dibromoethane	10.66	107	35742	0.273	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.18	131	52086	0.544	ppbv #	1
57) Chlorobenzene	12.19	112	105538	0.608	ppbv #	95
58) Ethyl Benzene	12.76	91	166859	0.574	ppbv	89
59) m/p-Xylene	13.06	91	83312	0.331	ppbv #	32
60) o-Xylene	13.75	91	64969	0.259	ppbv #	26
61) Styrene	13.58	104	98578	0.558	ppbv	98
62) Isopropylbenzene	14.73	105	195393	0.590	ppbv	95
63) 1,1,2,2-Tetrachloroethane	13.73	83	109754	0.545	ppbv	98
64) n-propylbenzene	15.62	120	18219	0.214	ppbv #	1
65) tert-Butylbenzene	16.81	119	172796	0.589	ppbv	97
66) Benzyl Chloride	17.05	91	29702	0.256	ppbv #	71
67) sec-Butylbenzene	17.36	105	129666	0.314	ppbv #	58
69) p-Isopropyltoluene	17.72	119	30987	0.092	ppbv #	1
70) n-Butylbenzene	18.62	91	214213	0.585	ppbv	96
71) 2-Chlorotoluene	15.52	91	61472	0.239	ppbv #	45
72) 4-Ethyltoluene	15.90	105	166750	0.592	ppbv	96
73) 1,3,5-Trimethylbenzene	16.05	105	108122	0.387	ppbv #	85
74) 1,2,4-Trimethylbenzene	16.82	105	110084	0.378	ppbv #	86
75) 1,3-Dichlorobenzene	17.06	146	61911	0.354	ppbv #	40
76) 1,4-Dichlorobenzene	17.21	146	55158	0.323	ppbv #	31
77) 1,2-Dichlorobenzene	17.88	146	40686	0.237	ppbv #	22
78) Hexachloro-1,3-Butadiene	23.44	225	25694	0.181	ppbv #	18
79) Naphthalene	22.30	128	131140	0.616	ppbv #	94
80) Naphthalene,2-methyl-	25.04	142	47898	0.779	ppbv	97
81) 1,2,4-Trichlorobenzene	22.02	180	43320	0.312	ppbv #	8

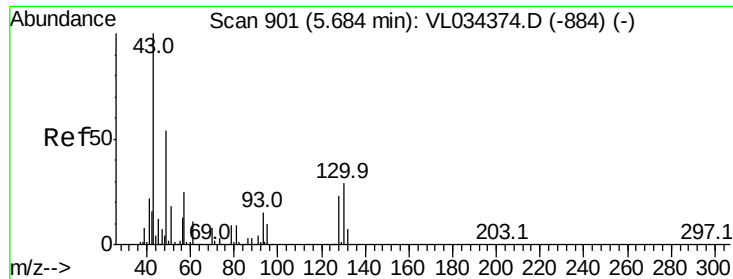
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 898

Delta R.T. -0.02 min

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Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

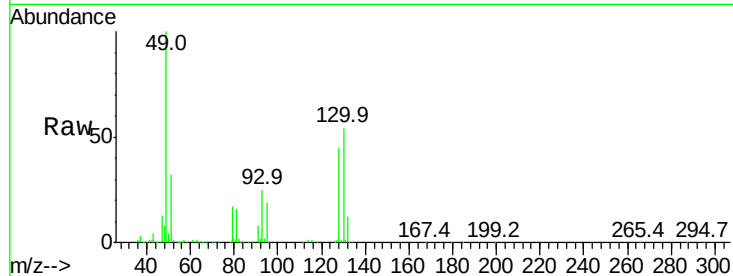
Tgt Ion: 49 Resp: 1040914

Ion Ratio Lower Upper

49 100

128 43.7 20.6 61.8

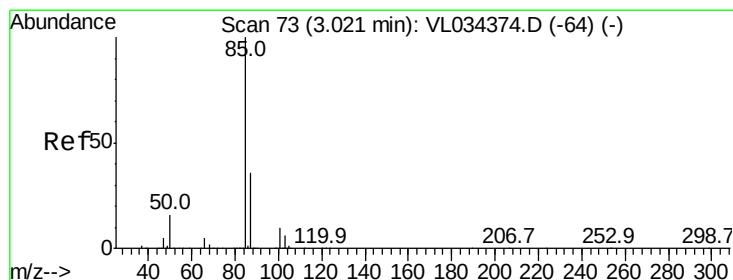
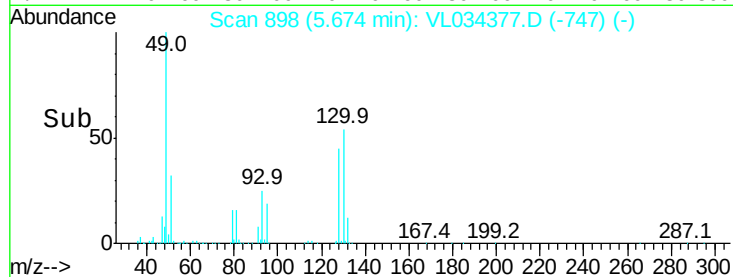
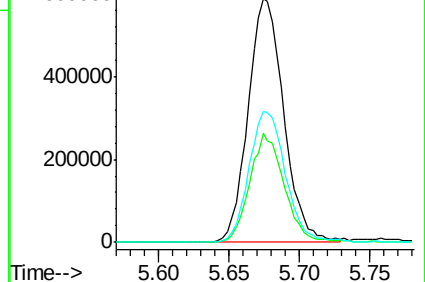
130 55.2 26.2 78.5



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



#2

Dichlorodifluoromethane

Concen: 0.708 ppbv

RT: 3.02 min Scan# 73

Delta R.T. -0.01 min

Lab File: VL034377.D

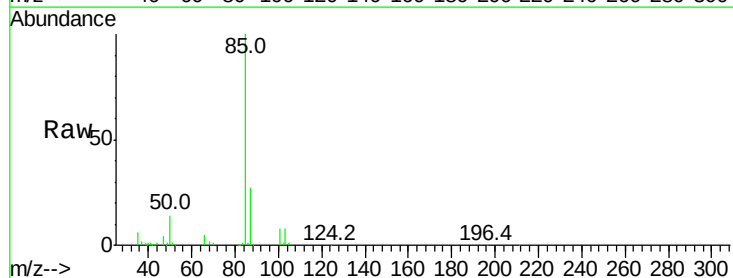
Acq: 19 Nov 2019 11:46

Tgt Ion: 85 Resp: 127080

Ion Ratio Lower Upper

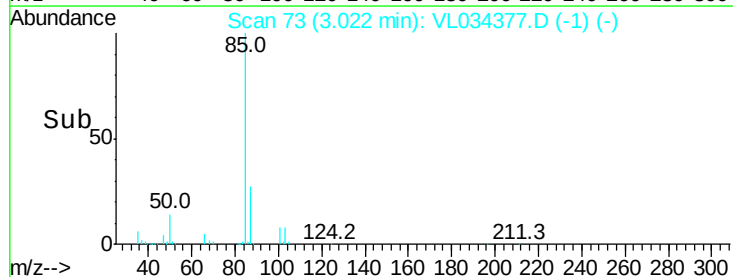
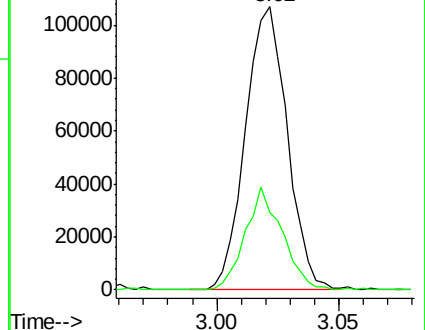
85 100

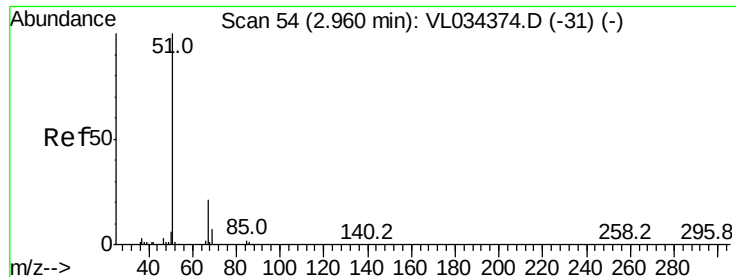
87 27.5 27.0 40.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.561 ppbv

RT: 2.96 min Scan# 53

Delta R.T. -0.01 min

Lab File: VL034377.D

Acq: 19 Nov 2019 11:46

Instrument :

MSVOA_L

ClientSampleId :

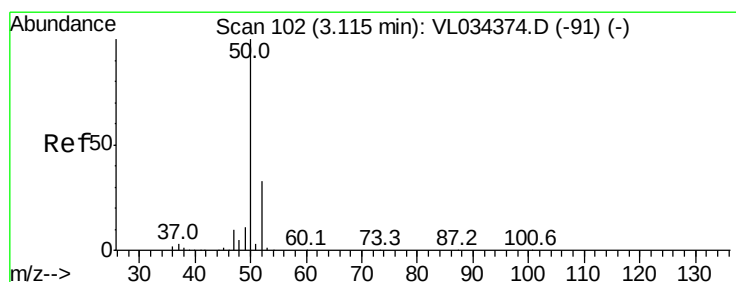
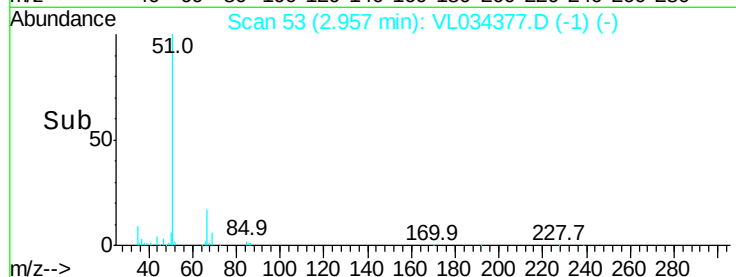
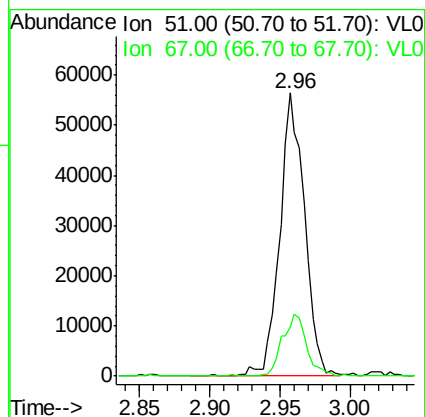
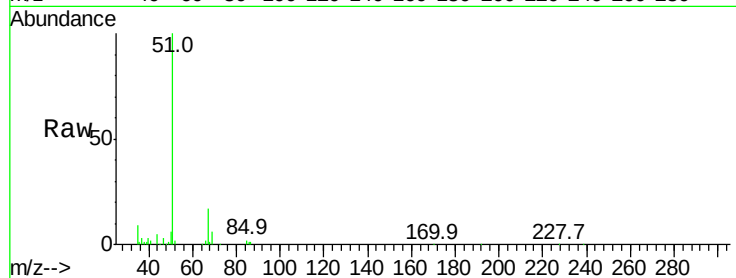
VSTDIC0.5

Tgt Ion: 51 Resp: 68444

Ion Ratio Lower Upper

51 100

67 21.5 15.8 23.8



#4

Chloromethane

Concen: 0.575 ppbv

RT: 3.11 min Scan# 102

Delta R.T. -0.01 min

Lab File: VL034377.D

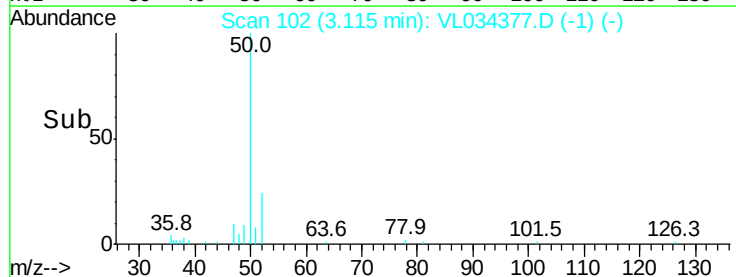
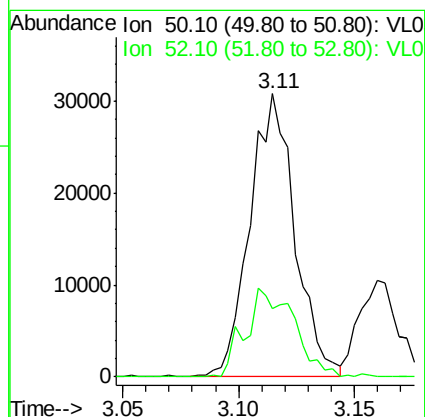
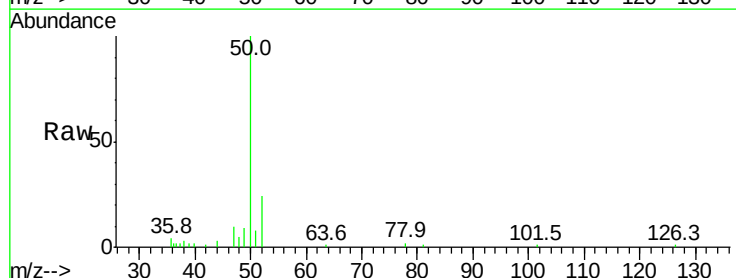
Acq: 19 Nov 2019 11:46

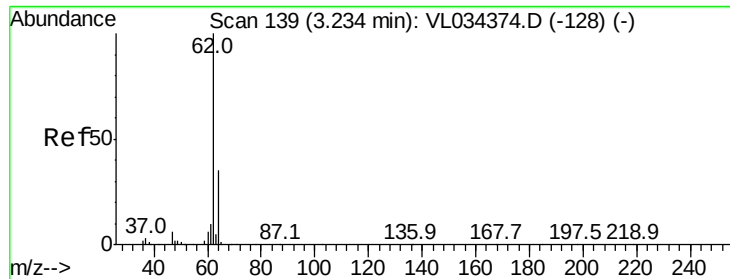
Tgt Ion: 50 Resp: 41525

Ion Ratio Lower Upper

50 100

52 24.2 25.4 38.2#





#5

Vinyl Chloride

Concen: 0.519 ppbv

RT: 3.23 min Scan# 139

Delta R.T. -0.01 min

Lab File: VL034377.D

Acq: 19 Nov 2019 11:46

Instrument :

MSVOA_L

ClientSampleId :

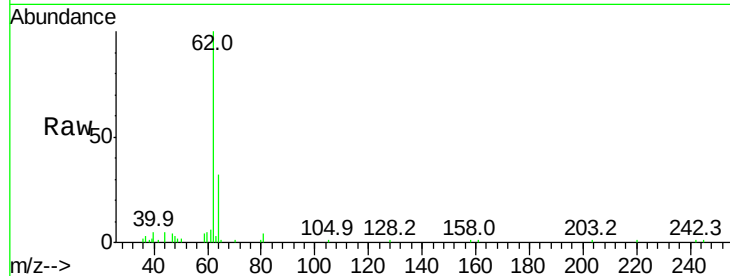
VSTDIC0.5

Tgt Ion: 62 Resp: 35685

Ion Ratio Lower Upper

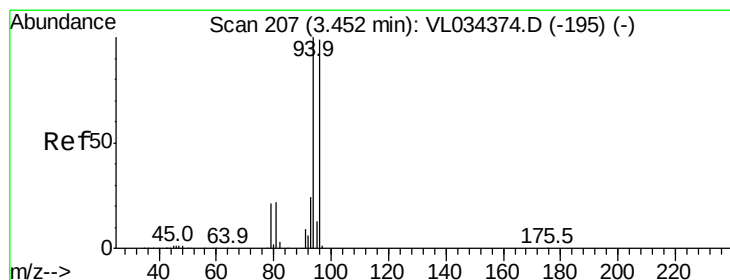
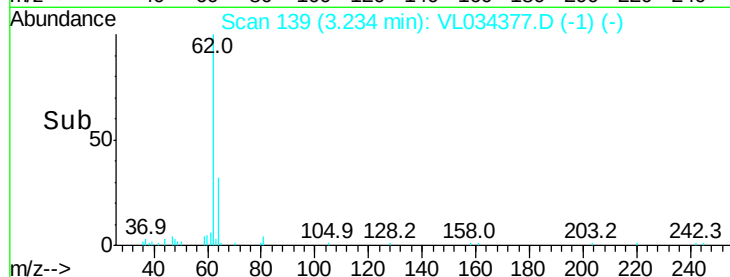
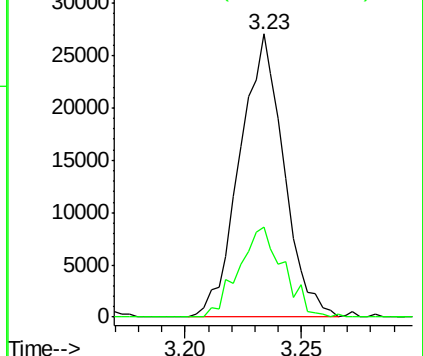
62 100

64 31.9 26.0 39.0



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 0.585 ppbv

RT: 3.45 min Scan# 207

Delta R.T. -0.01 min

Lab File: VL034377.D

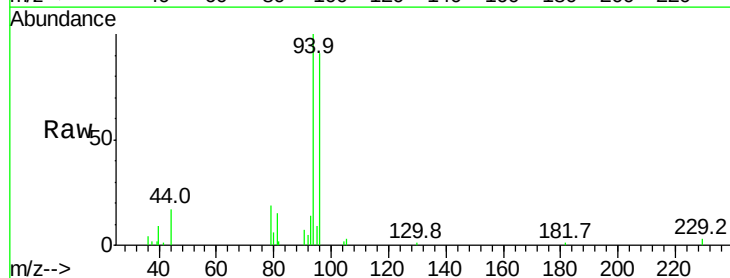
Acq: 19 Nov 2019 11:46

Tgt Ion: 94 Resp: 19707

Ion Ratio Lower Upper

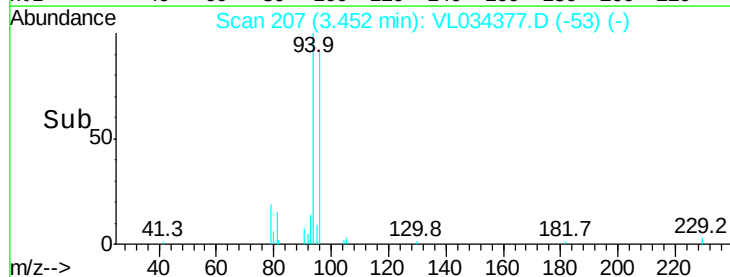
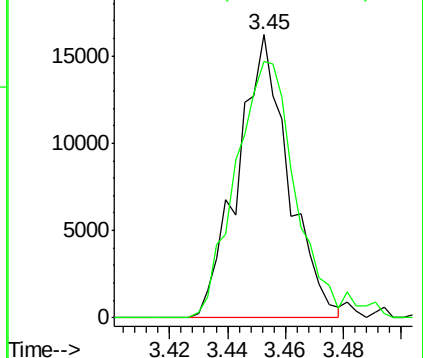
94 100

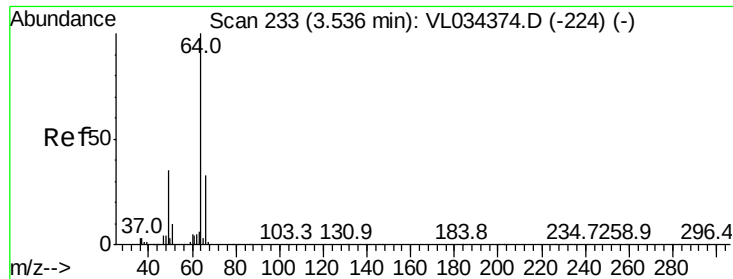
96 90.6 74.6 112.0



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.268 ppbv

RT: 3.53 min Scan# 232

Delta R.T. -0.01 min

Lab File: VL034377.D

Acq: 19 Nov 2019 11:46

Instrument :

MSVOA_L

ClientSampleId :

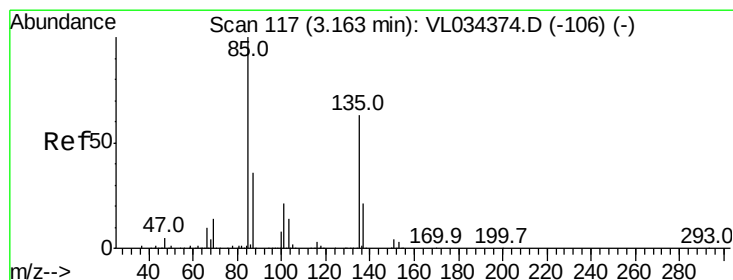
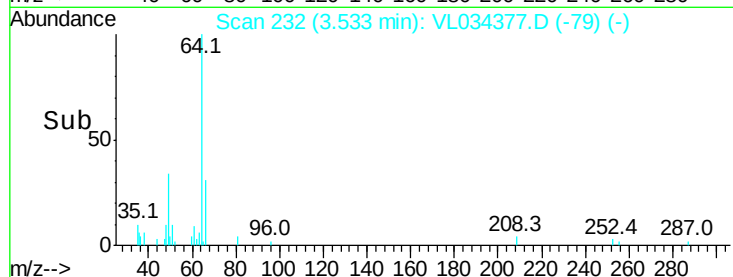
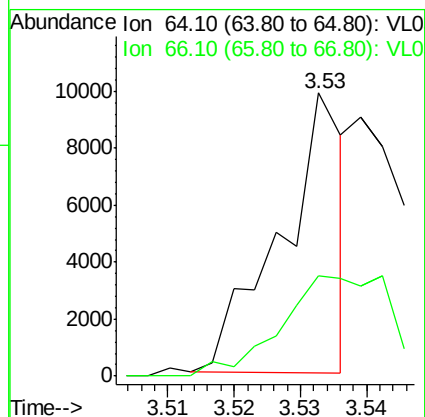
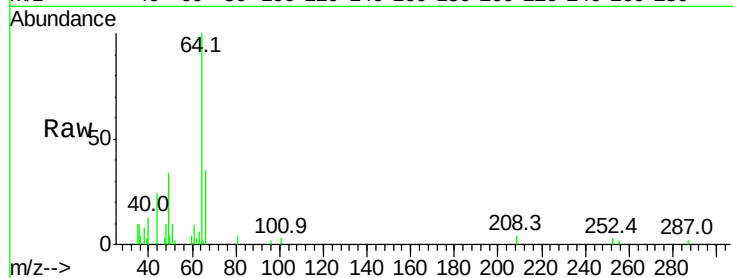
VSTDIC0.5

Tgt Ion: 64 Resp: 6501

Ion Ratio Lower Upper

64 100

66 35.4 25.4 38.0



#8

Dichlorotetrafluoroethane

Concen: 0.598 ppbv

RT: 3.16 min Scan# 116

Delta R.T. -0.01 min

Lab File: VL034377.D

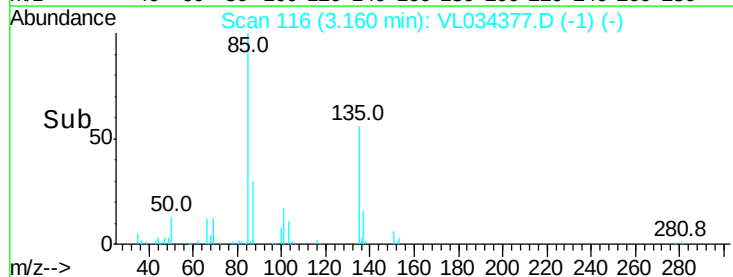
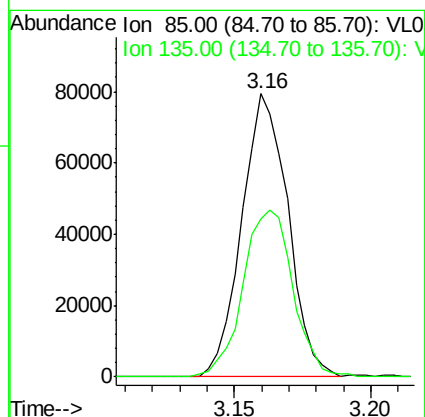
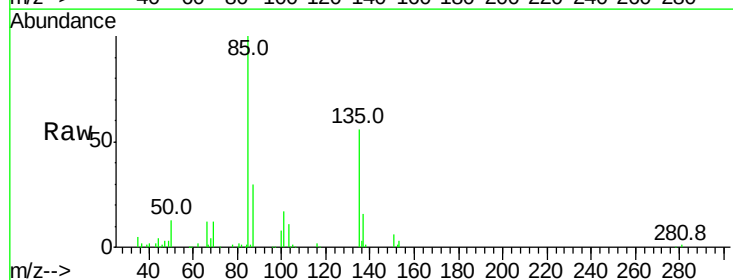
Acq: 19 Nov 2019 11:46

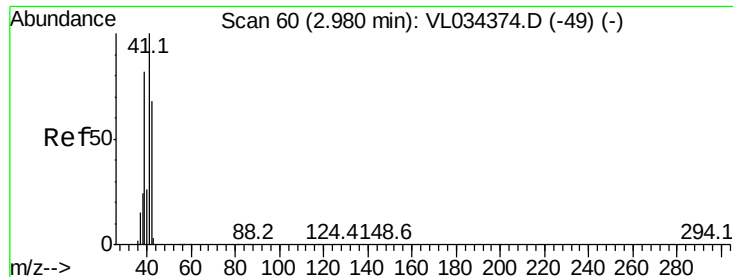
Tgt Ion: 85 Resp: 93055

Ion Ratio Lower Upper

85 100

135 63.8 50.2 75.2





#9

Propene

Concen: 0.588 ppbv

RT: 2.98 min Scan# 61

Delta R.T. -0.00 min

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Instrument :

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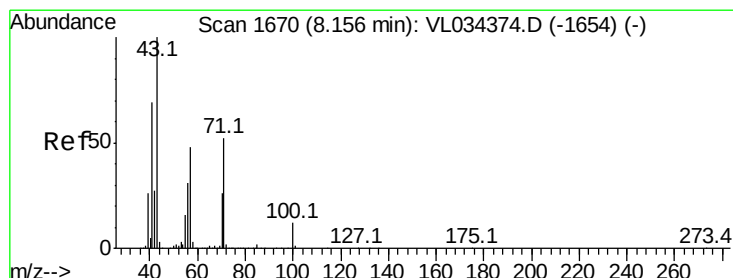
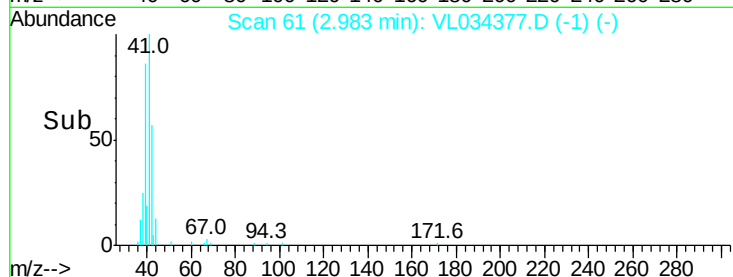
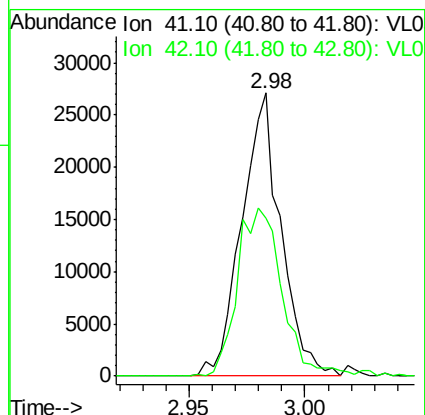
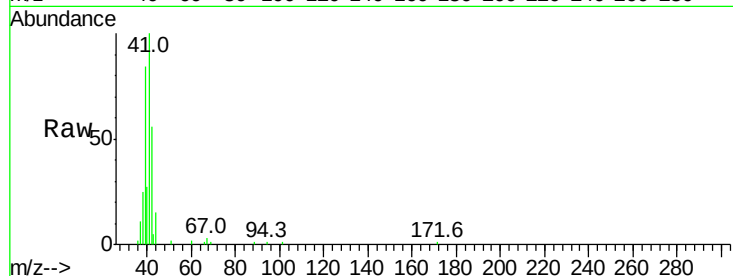
VSTDIC0.5

Tgt Ion: 41 Resp: 31816

Ion Ratio Lower Upper

41 100

42 68.1 53.9 80.9



#10

Heptane

Concen: 0.553 ppbv

RT: 8.16 min Scan# 1670

Delta R.T. -0.01 min

Lab File: VL034377.D

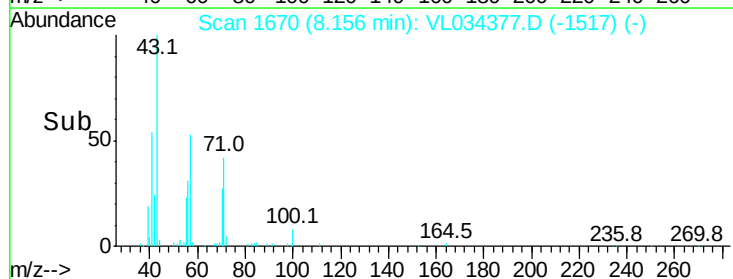
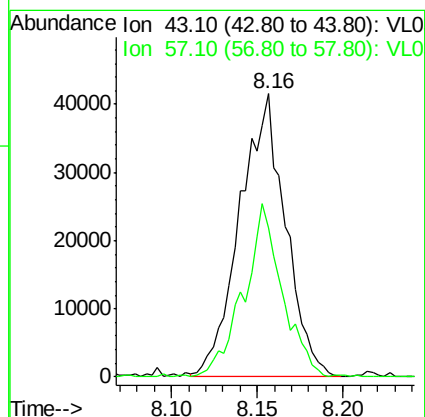
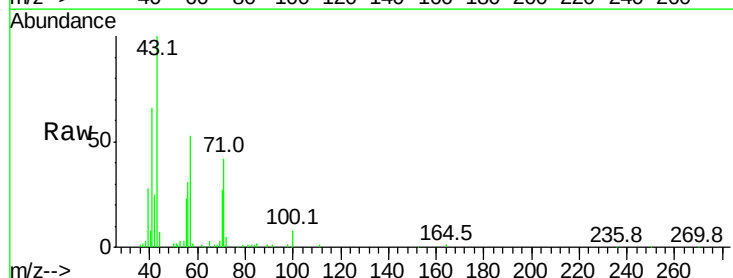
Acq: 19 Nov 2019 11:46

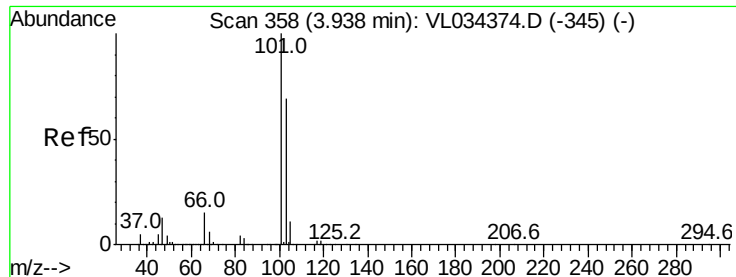
Tgt Ion: 43 Resp: 76703

Ion Ratio Lower Upper

43 100

57 51.8 39.5 59.3





#11

Trichlorofluoromethane

Concen: 0.606 ppbv

RT: 3.94 min Scan# 358

Delta R.T. -0.01 min

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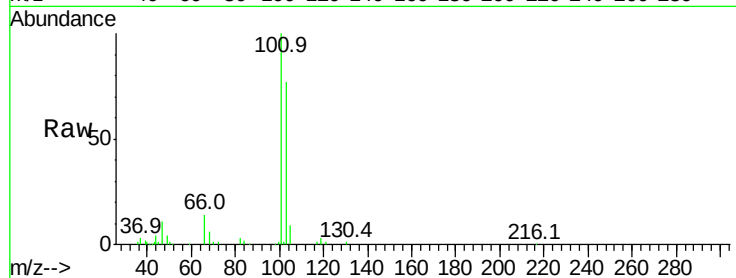
VSTDIC0.5

Tgt Ion:101 Resp: 103333

Ion Ratio Lower Upper

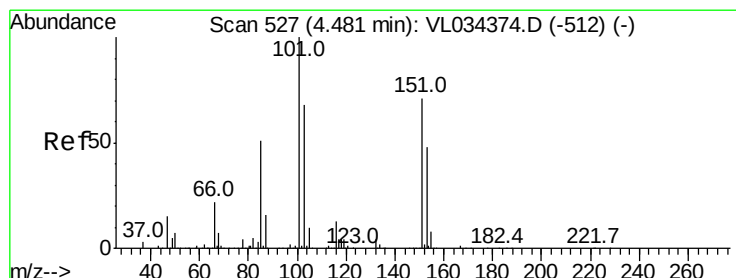
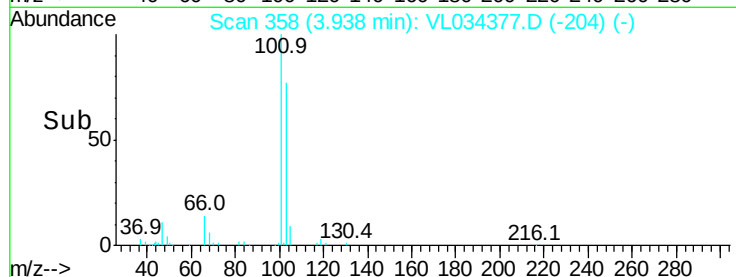
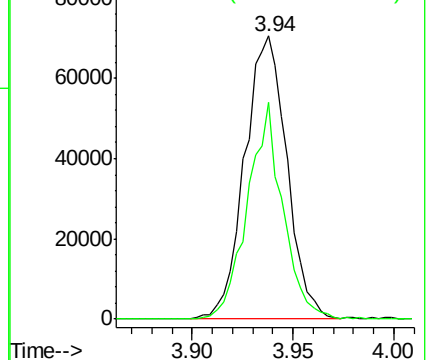
101 100

103 76.7 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: 0.629 ppbv

RT: 4.48 min Scan# 526

Delta R.T. -0.01 min

Lab File: VL034377.D

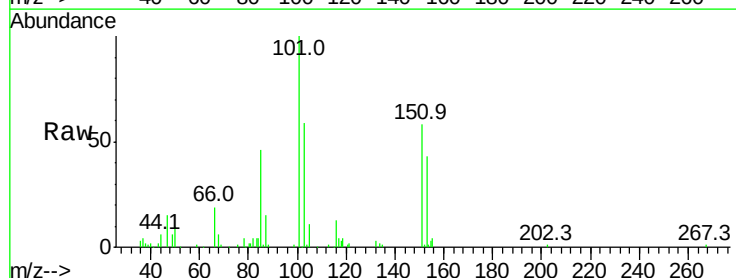
Acq: 19 Nov 2019 11:46

Tgt Ion:101 Resp: 70204

Ion Ratio Lower Upper

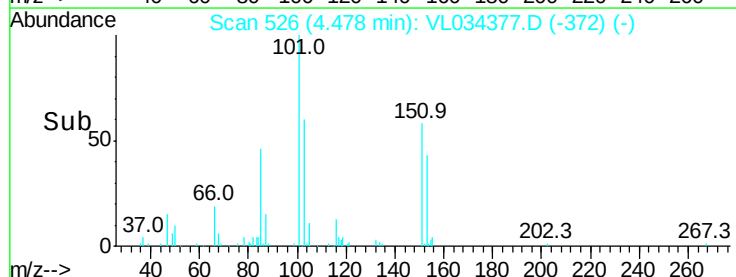
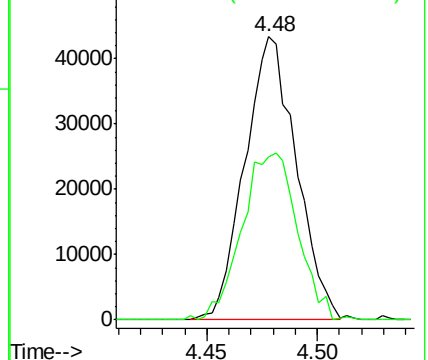
101 100

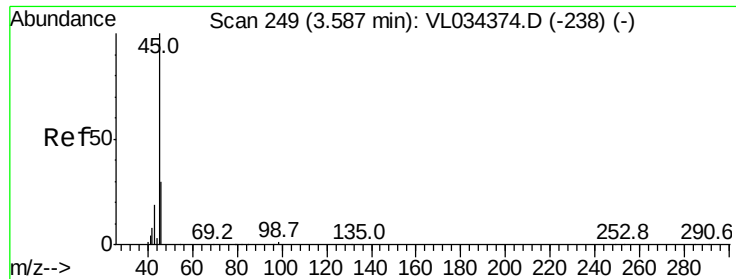
151 63.6 57.4 86.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 0.647 ppbv

RT: 3.59 min Scan# 250

Delta R.T. -0.00 min

Lab File: VL034377.D

Acq: 19 Nov 2019 11:46

Instrument :

MSVOA_L

ClientSampleId :

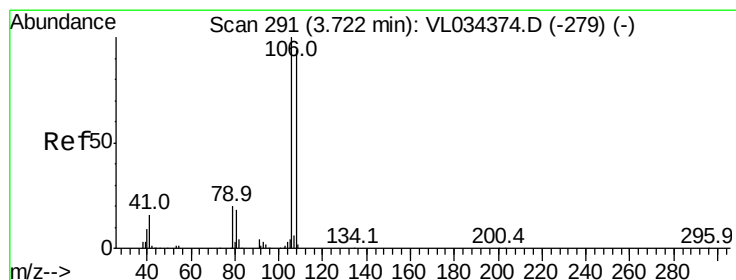
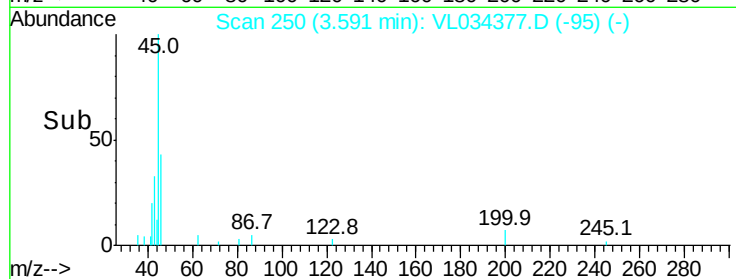
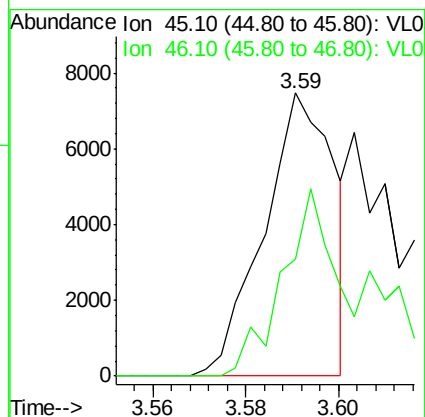
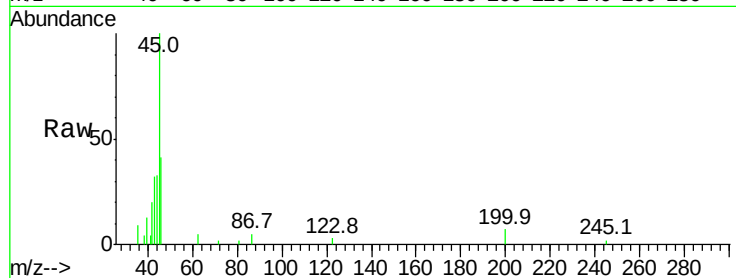
VSTDIC0.5

Tgt Ion: 45 Resp: 7834

Ion Ratio Lower Upper

45 100

46 80.4 15.8 63.2#



#14

Bromoethene

Concen: 0.610 ppbv

RT: 3.73 min Scan# 292

Delta R.T. -0.00 min

Lab File: VL034377.D

Acq: 19 Nov 2019 11:46

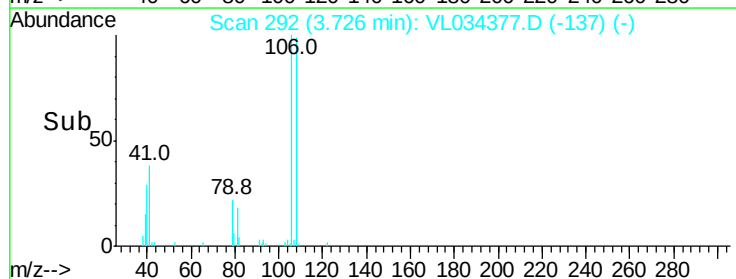
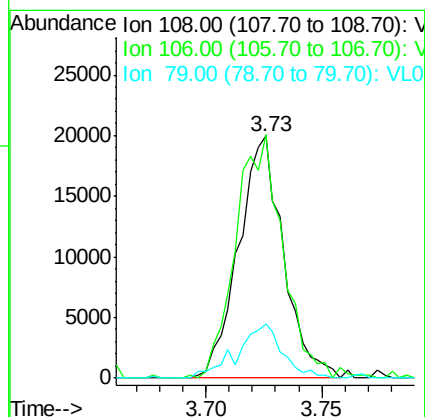
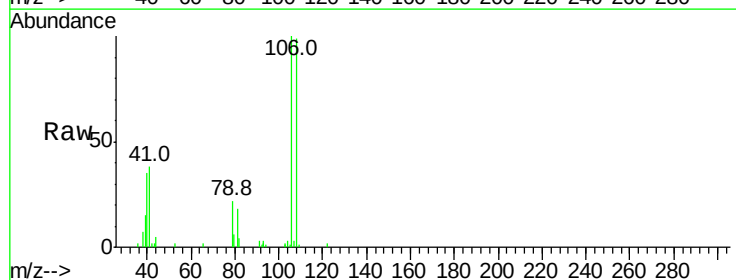
Tgt Ion: 108 Resp: 26829

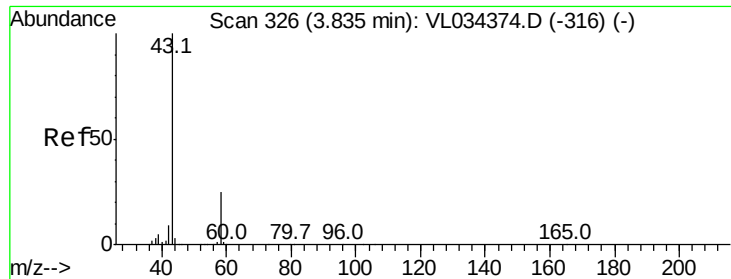
Ion Ratio Lower Upper

108 100

106 107.1 84.8 127.2

79 22.9 17.0 25.4





#15

Acetone

Concen: 0.590 ppbv

RT: 3.84 min Scan# 329

Delta R.T. 0.00 min

Lab File: VL034377.D

Acq: 19 Nov 2019 11:46

Instrument :

MSVOA_L

ClientSampleId :

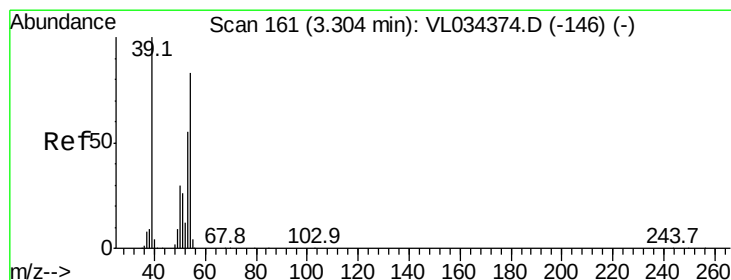
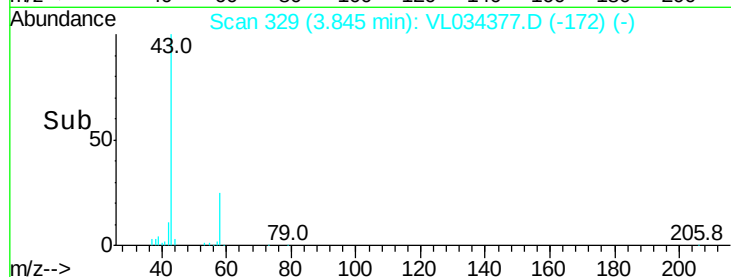
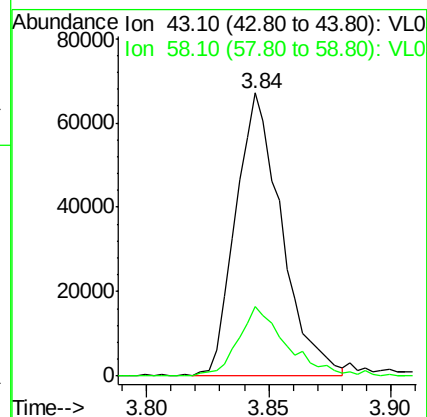
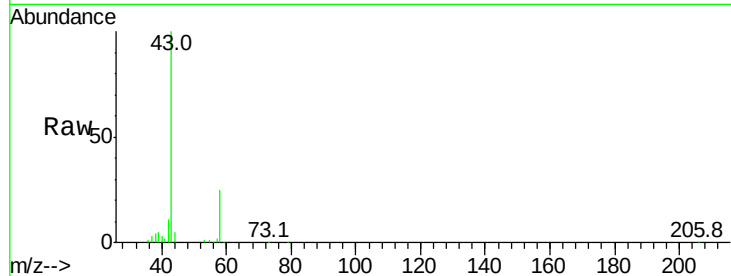
VSTDIC0.5

Tgt Ion: 43 Resp: 87907

Ion Ratio Lower Upper

43 100

58 25.8 20.4 30.6



#16

1,3-Butadiene

Concen: 0.571 ppbv

RT: 3.30 min Scan# 161

Delta R.T. -0.01 min

Lab File: VL034377.D

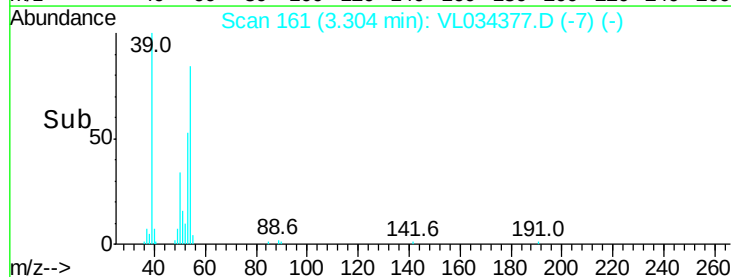
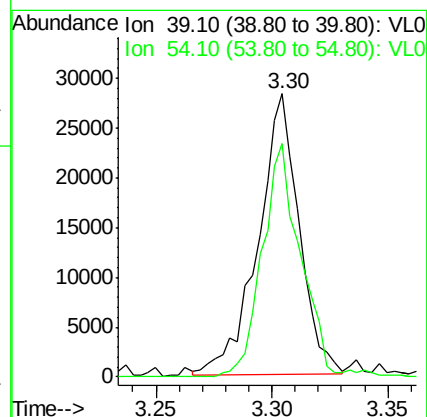
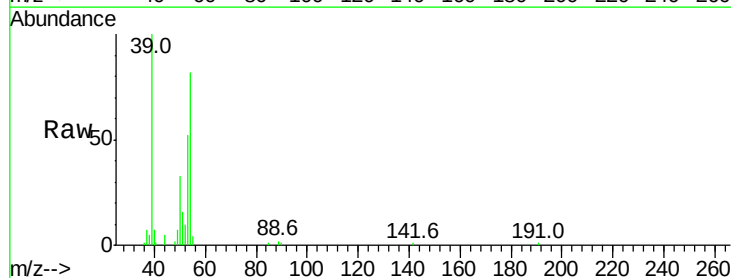
Acq: 19 Nov 2019 11:46

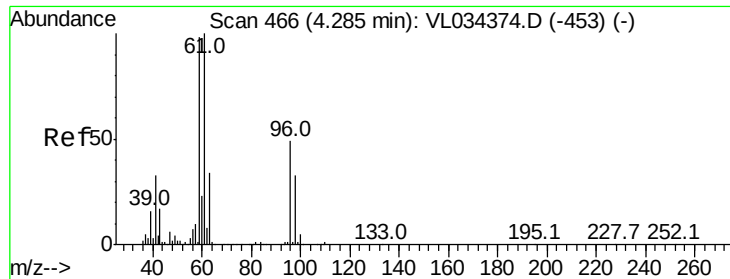
Tgt Ion: 39 Resp: 34531

Ion Ratio Lower Upper

39 100

54 79.0 63.9 95.9



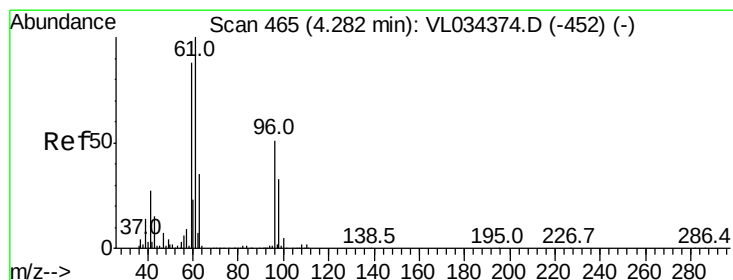
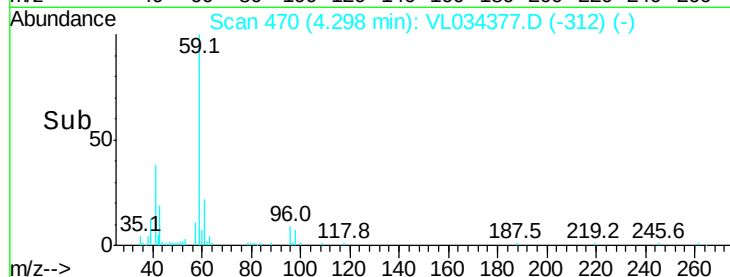
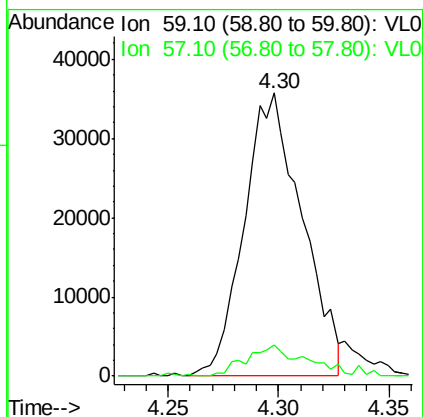
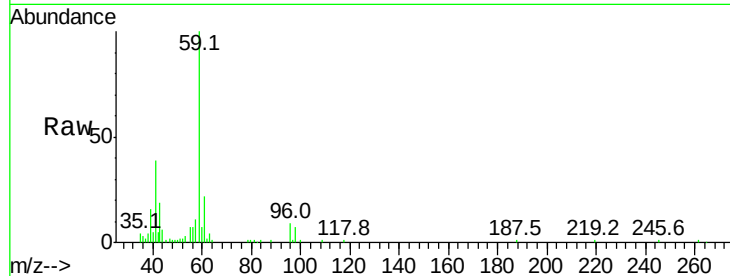


#17

tert-Butyl alcohol
Concen: 0.687 ppbv
RT: 4.30 min Scan# 470
Delta R.T. 0.01 min
Lab File: VL034377.D
Acq: 19 Nov 2019 11:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

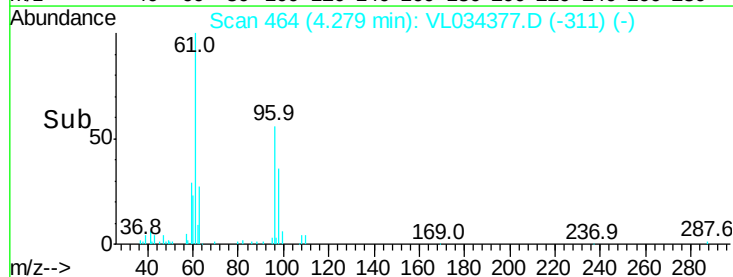
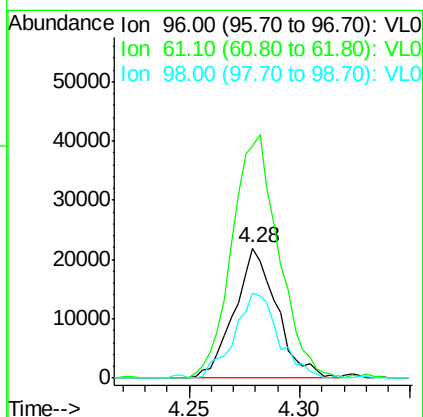
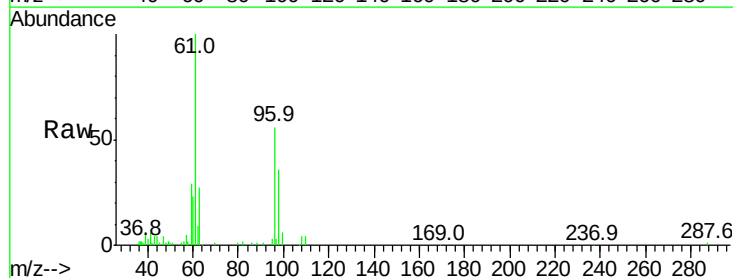
Tgt Ion: 59 Resp: 65295
Ion Ratio Lower Upper
59 100
57 12.1 8.8 13.2

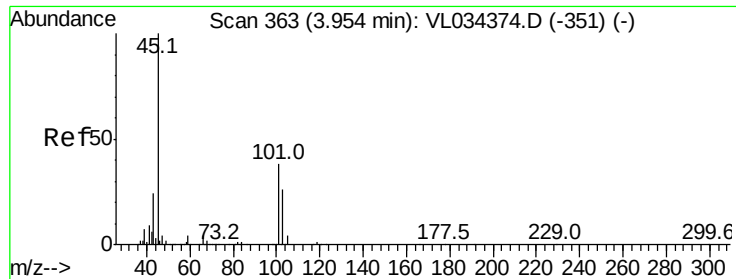


#18

1,1-Dichloroethene
Concen: 0.601 ppbv
RT: 4.28 min Scan# 464
Delta R.T. -0.01 min
Lab File: VL034377.D
Acq: 19 Nov 2019 11:46

Tgt Ion: 96 Resp: 29373
Ion Ratio Lower Upper
96 100
61 178.5 164.5 246.7
98 64.0 51.7 77.5





#19

Isopropyl Alcohol

Concen: 0.228 ppbv

RT: 3.97 min Scan# 368

Delta R.T. 0.01 min

Lab File: VL034377.D

Acq: 19 Nov 2019 11:46

Instrument :

MSVOA_L

ClientSampleId :

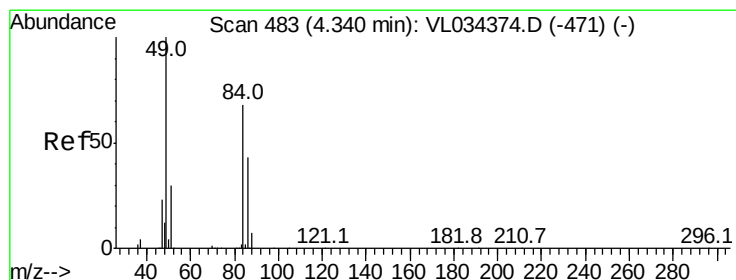
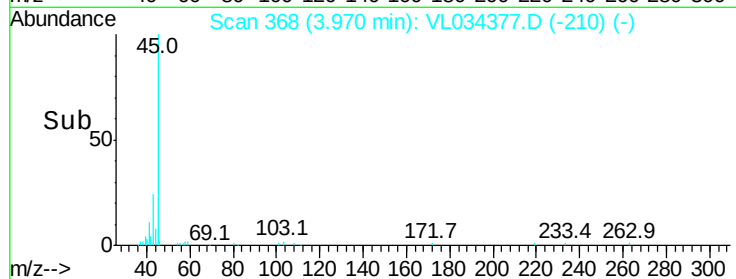
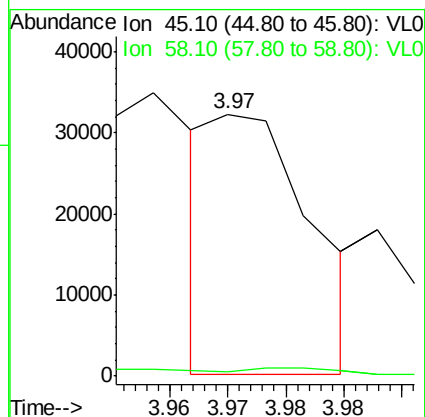
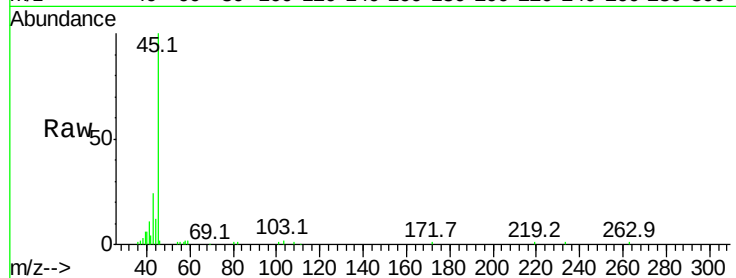
VSTDIC0.5

Tgt Ion: 45 Resp: 18956

Ion Ratio Lower Upper

45 100

58 0.0 1.4 2.2#



#20

Methylene Chloride

Concen: 0.575 ppbv

RT: 4.34 min Scan# 483

Delta R.T. -0.01 min

Lab File: VL034377.D

Acq: 19 Nov 2019 11:46

Tgt Ion: 84 Resp: 30968

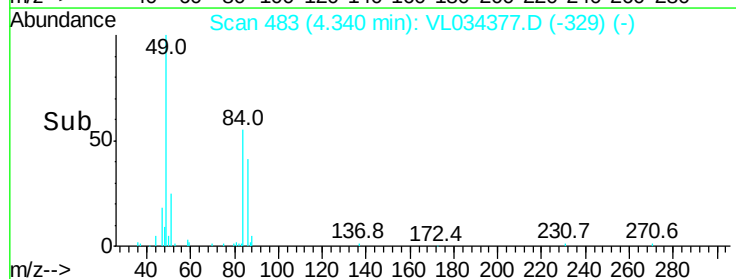
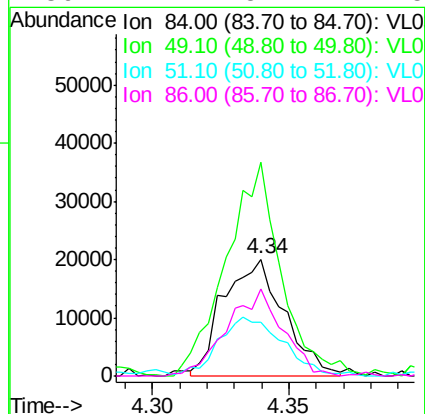
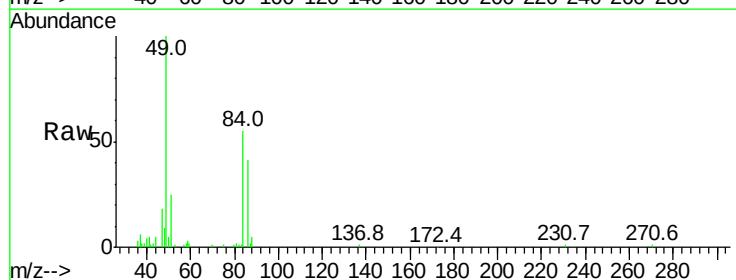
Ion Ratio Lower Upper

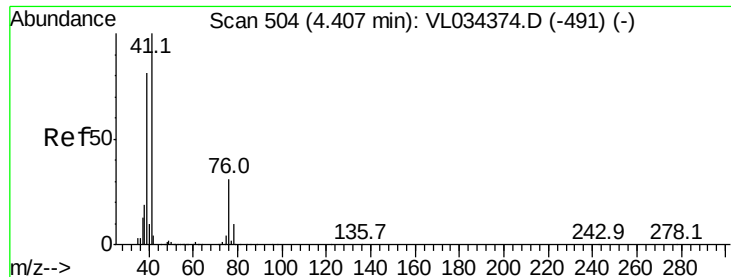
84 100

49 176.6 118.5 177.7

51 45.2 38.8 58.2

86 77.2 51.7 77.5





#21

Allyl Chloride

Concen: 0.542 ppbv

RT: 4.41 min Scan# 504

Delta R.T. -0.01 min

Lab File: VL034377.D

Acq: 19 Nov 2019 11:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

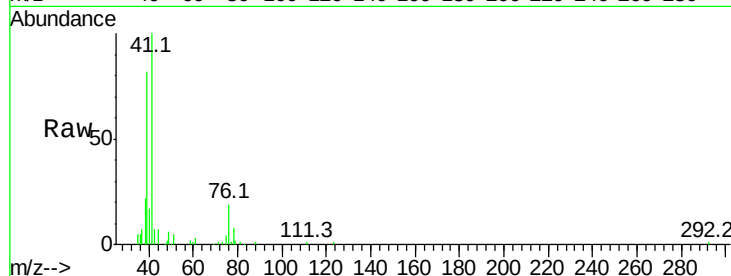
Tgt Ion: 41 Resp: 44593

Ion Ratio Lower Upper

41 100

76 26.9 22.8 34.2

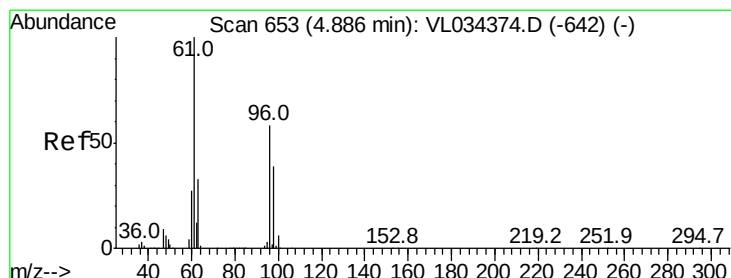
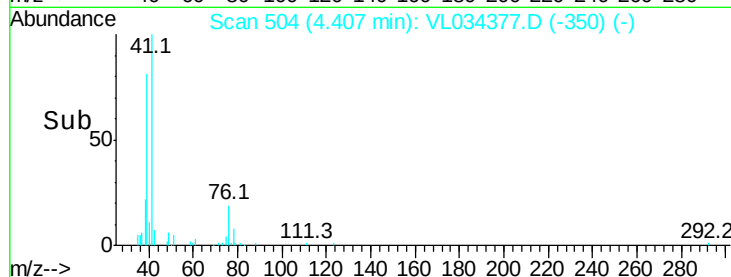
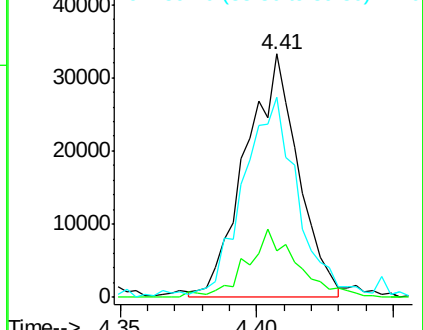
39 88.7 66.0 99.0



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: 0.282 ppbv

RT: 4.88 min Scan# 651

Delta R.T. -0.02 min

Lab File: VL034377.D

Acq: 19 Nov 2019 11:46

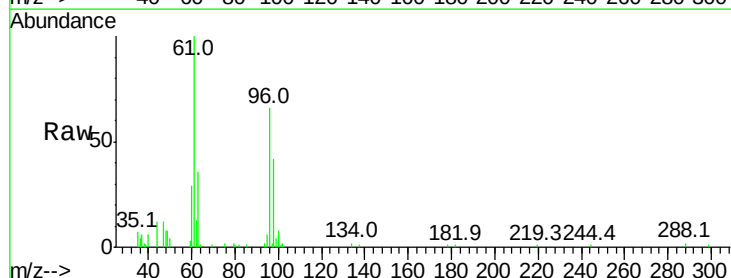
Tgt Ion: 96 Resp: 13725

Ion Ratio Lower Upper

96 100

61 150.3 133.8 200.6

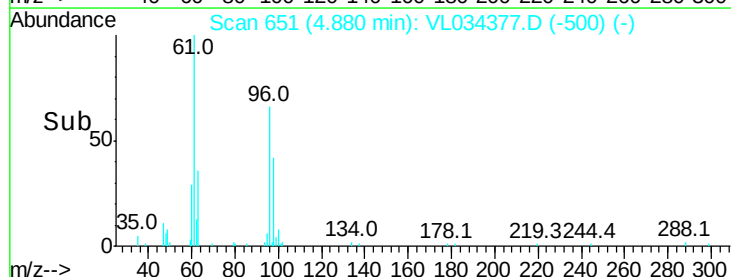
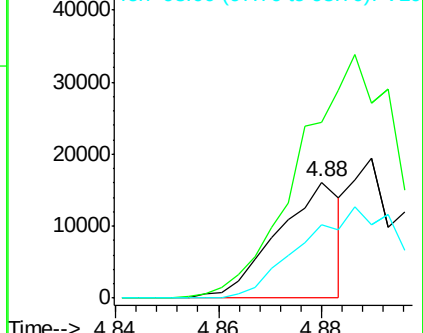
98 63.2 49.4 74.0

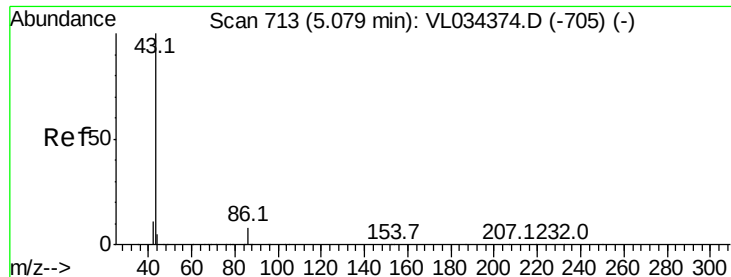


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 0.519 ppbv

RT: 5.08 min Scan# 712

Delta R.T. -0.01 min

Lab File: VL034377.D

Acq: 19 Nov 2019 11:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion: 43 Resp: 96591

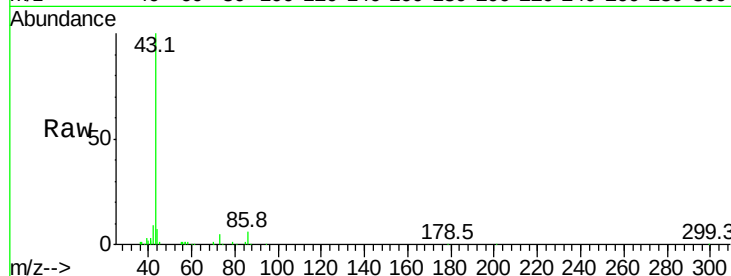
Ion Ratio Lower Upper

43 100

86 5.9 5.0 7.4

42 8.1 8.6 13.0#

44 2.6 4.8 7.2#

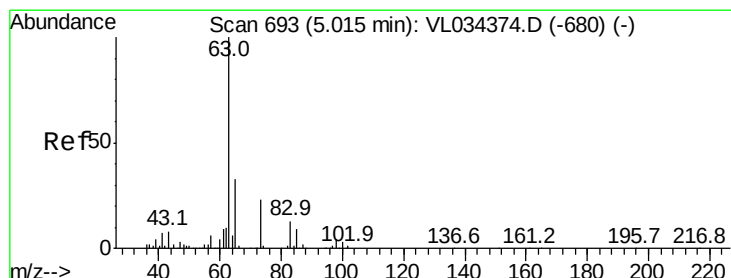
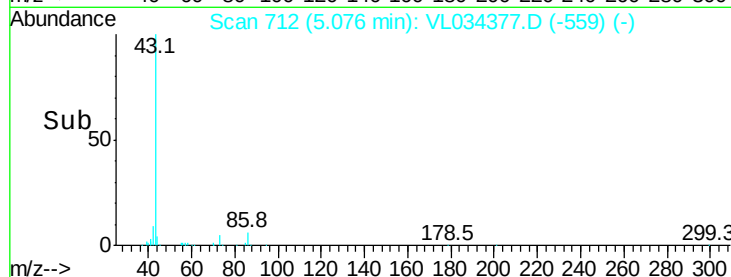
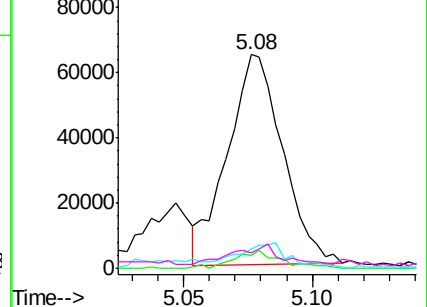


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.593 ppbv

RT: 5.01 min Scan# 690

Delta R.T. -0.02 min

Lab File: VL034377.D

Acq: 19 Nov 2019 11:46

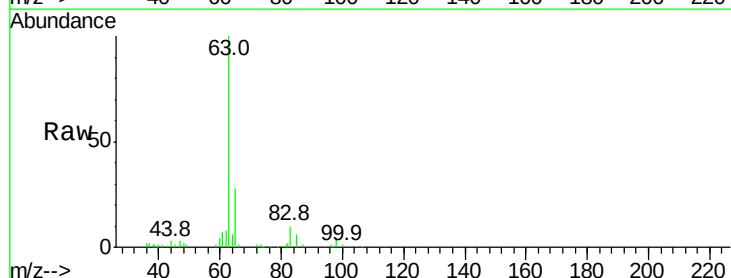
Tgt Ion: 63 Resp: 81774

Ion Ratio Lower Upper

63 100

98 3.7 2.0 6.0

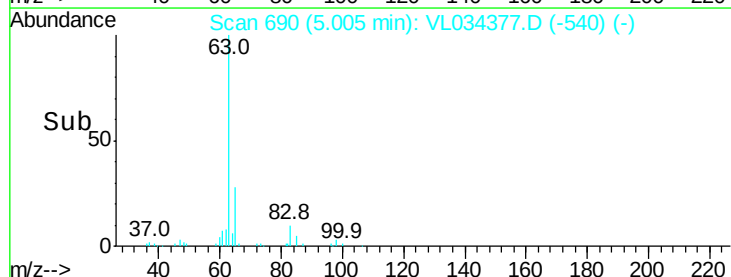
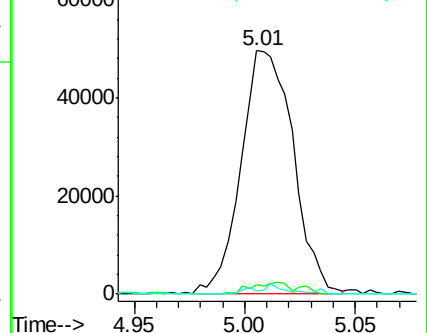
100 1.2 1.1 3.5

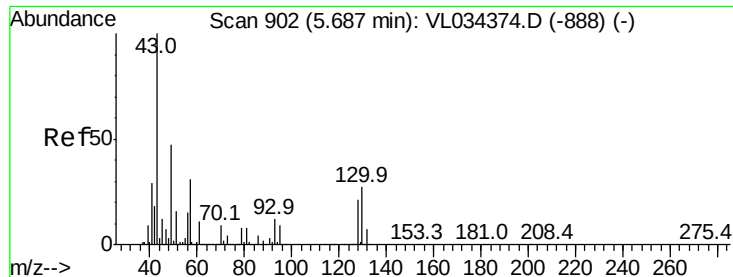


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

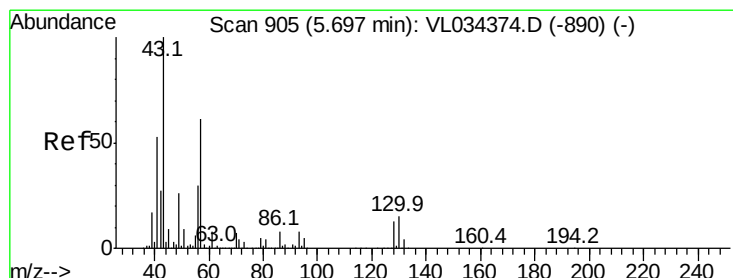
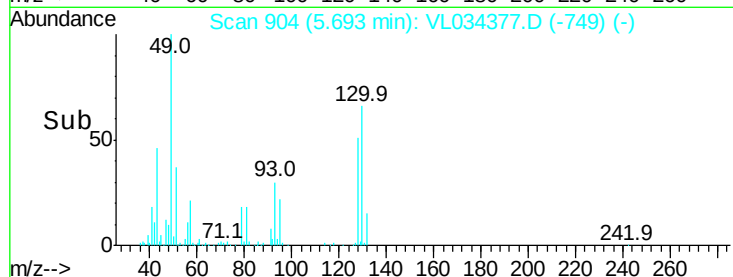
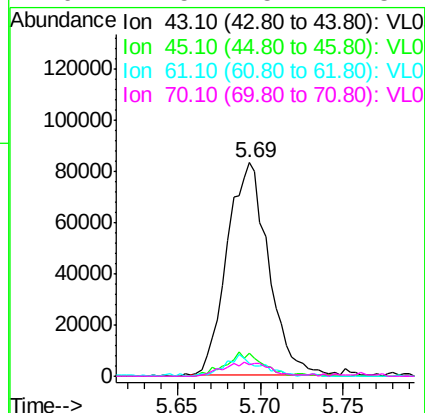
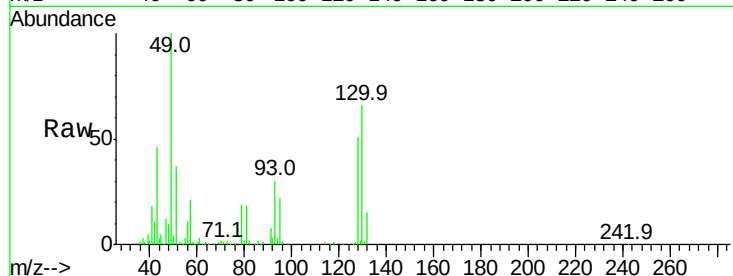




#25
Ethyl Acetate
Concen: 0.574 ppbv
RT: 5.69 min Scan# 904
Delta R.T. -0.00 min
Lab File: VL034377.D
Acq: 19 Nov 2019 11:46

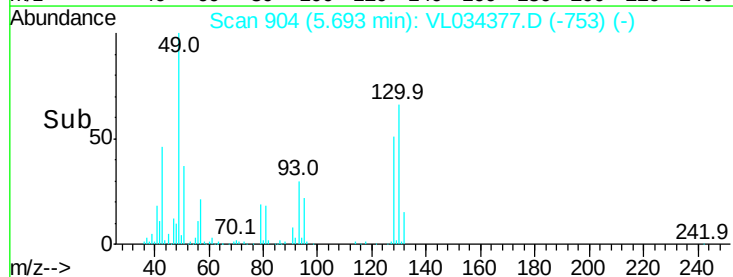
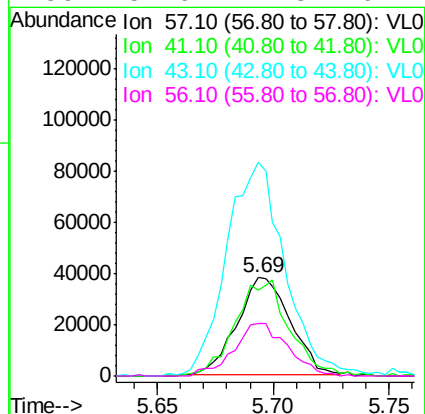
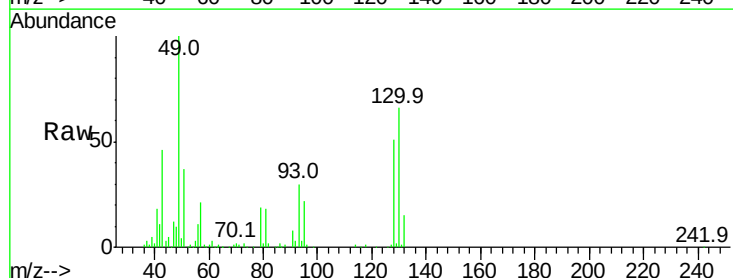
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

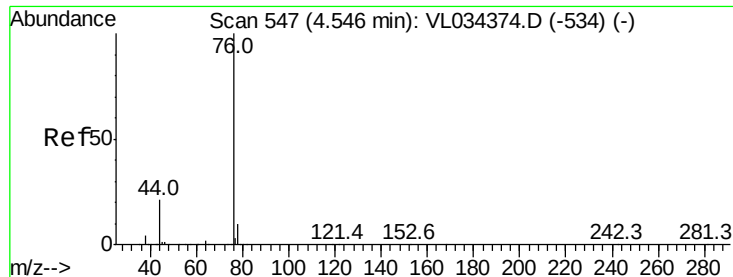
Tgt Ion:	43	Resp:	144310
Ion	Ratio	Lower	Upper
43	100		
45	10.5	8.3	12.5
61	9.3	7.7	11.5
70	7.5	5.4	8.2



#26
Hexane
Concen: 0.569 ppbv
RT: 5.69 min Scan# 904
Delta R.T. -0.02 min
Lab File: VL034377.D
Acq: 19 Nov 2019 11:46

Tgt Ion:	57	Resp:	60946
Ion	Ratio	Lower	Upper
57	100		
41	100.5	76.5	114.7
43	245.4	188.5	282.7
56	54.6	42.8	64.2





#27

Carbon Disulfide

Concen: 0.498 ppbv

RT: 4.55 min Scan# 548

Delta R.T. -0.01 min

Lab File: VL034377.D

Acq: 19 Nov 2019 11:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

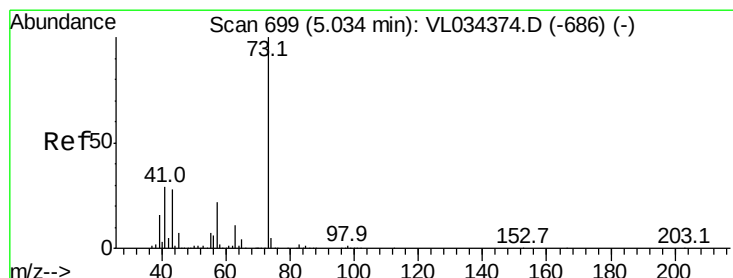
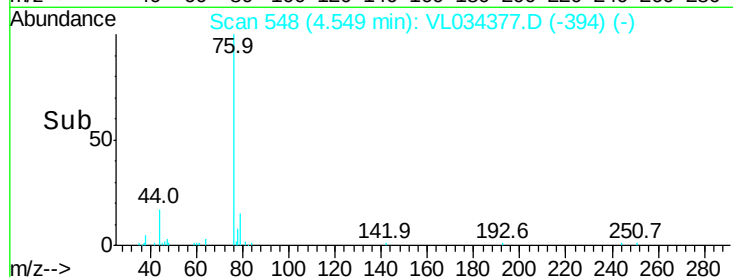
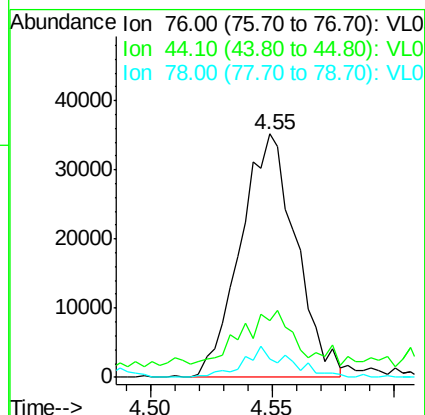
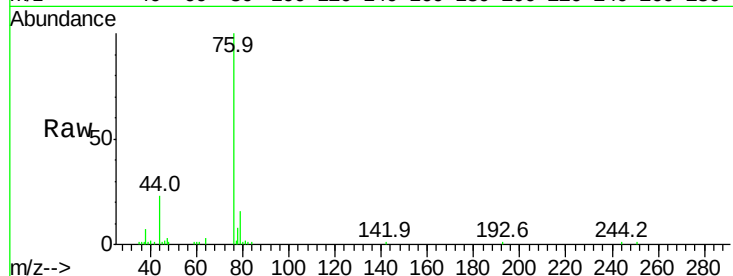
Tgt Ion: 76 Resp: 55383

Ion Ratio Lower Upper

76 100

44 31.4 17.3 25.9#

78 10.4 7.8 11.6



#28

Methyl tert-Butyl Ether

Concen: 0.604 ppbv

RT: 5.04 min Scan# 702

Delta R.T. 0.00 min

Lab File: VL034377.D

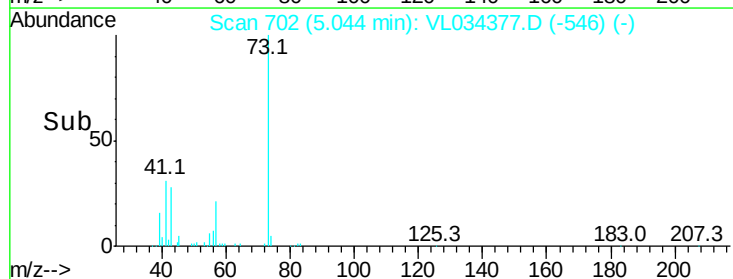
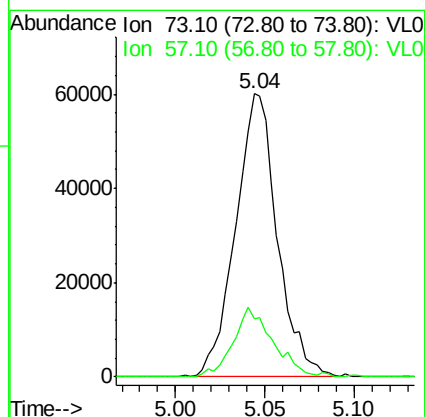
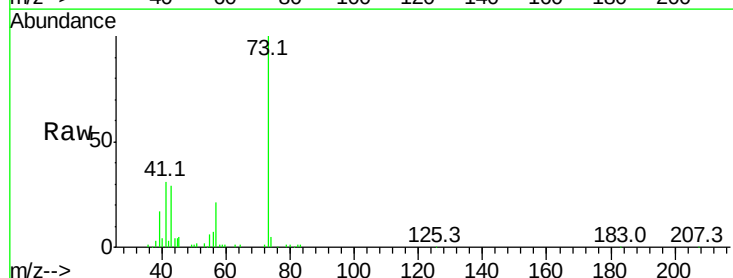
Acq: 19 Nov 2019 11:46

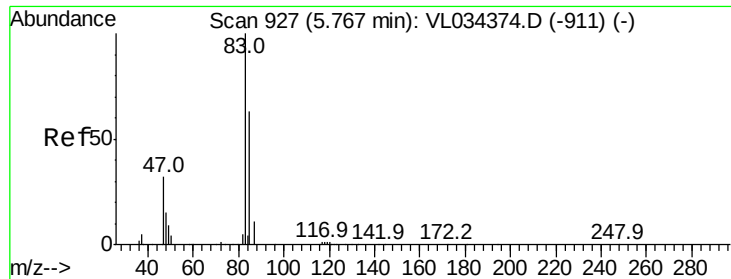
Tgt Ion: 73 Resp: 97909

Ion Ratio Lower Upper

73 100

57 23.7 19.2 28.8

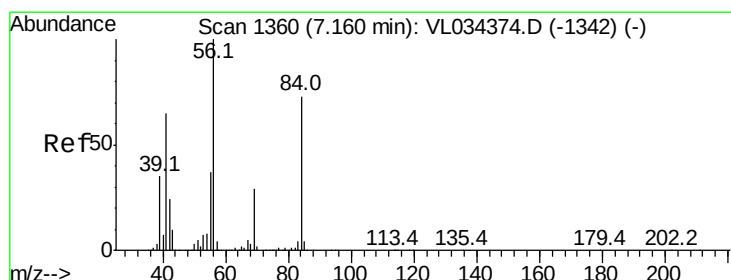
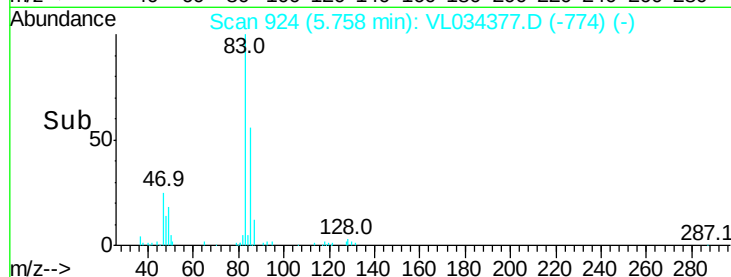
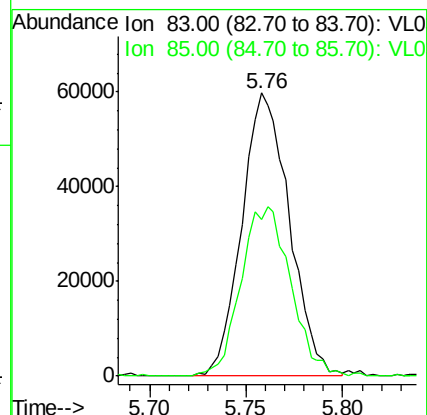
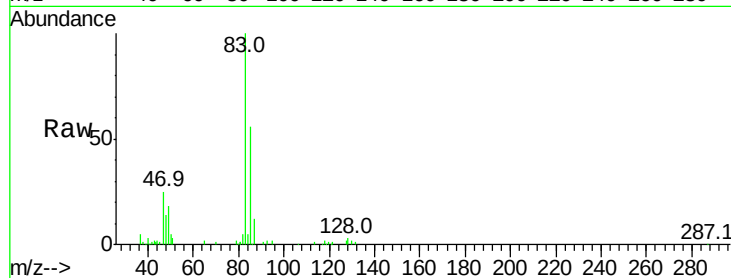




#29
Chloroform
Concen: 0.601 ppbv
RT: 5.76 min Scan# 924
Delta R.T. -0.02 min
Lab File: VL034377.D
Acq: 19 Nov 2019 11:46

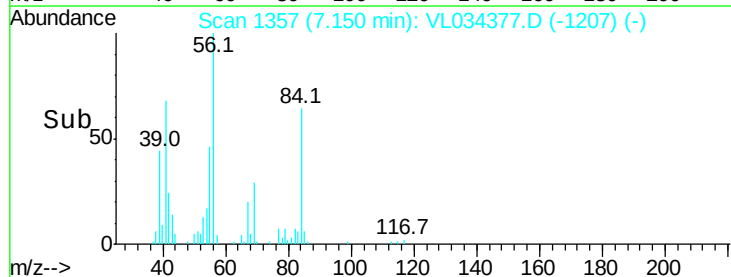
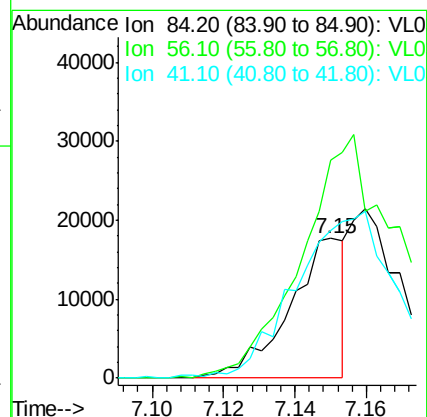
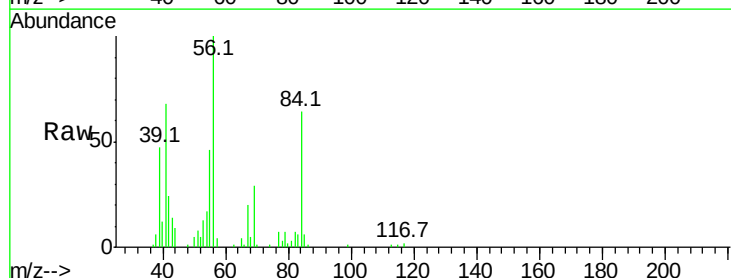
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

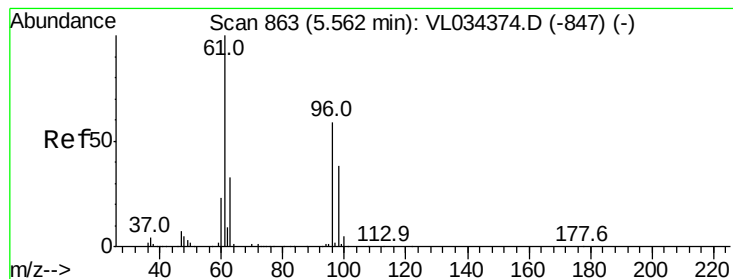
Tgt Ion: 83 Resp: 101934
Ion Ratio Lower Upper
83 100
85 55.5 50.5 75.7



#30
Cyclohexane
Concen: 0.242 ppbv
RT: 7.15 min Scan# 1357
Delta R.T. -0.02 min
Lab File: VL034377.D
Acq: 19 Nov 2019 11:46

Tgt Ion: 84 Resp: 19075
Ion Ratio Lower Upper
84 100
56 0.0 119.4 179.0#
41 0.0 78.7 118.1#



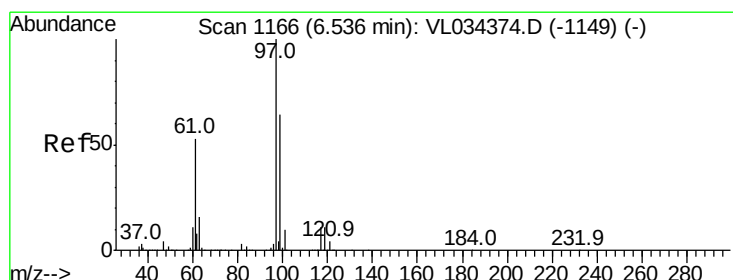
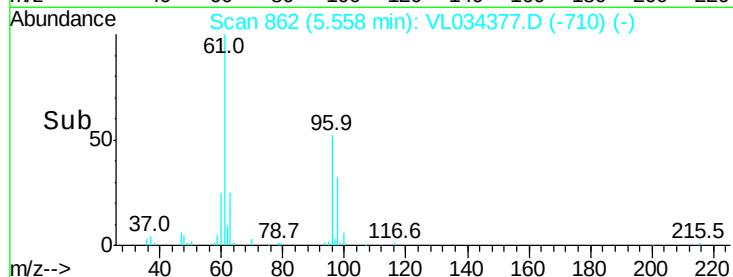
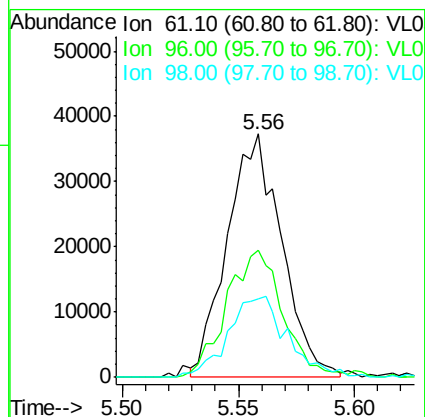
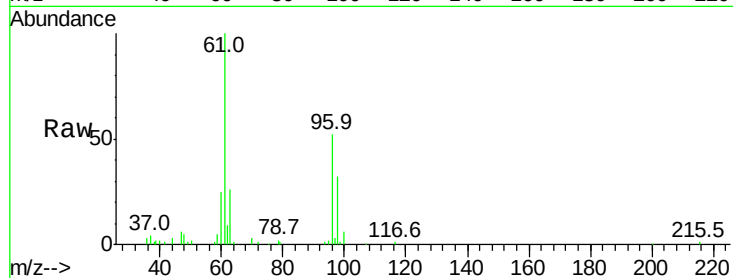


#31

cis-1,2-Dichloroethene
Concen: 0.558 ppbv
RT: 5.56 min Scan# 862
Delta R.T. -0.01 min
Lab File: VL034377.D
Acq: 19 Nov 2019 11:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

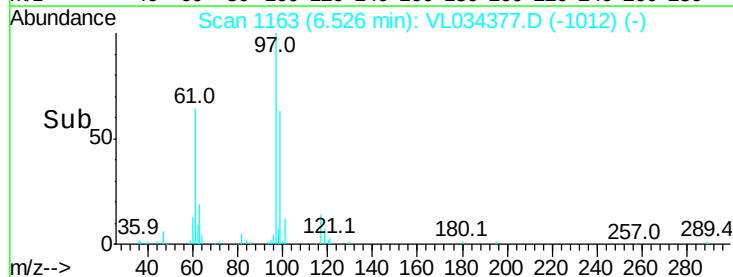
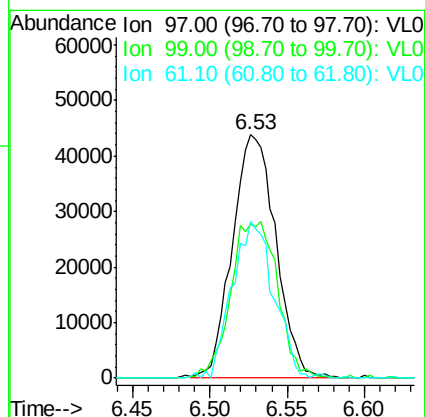
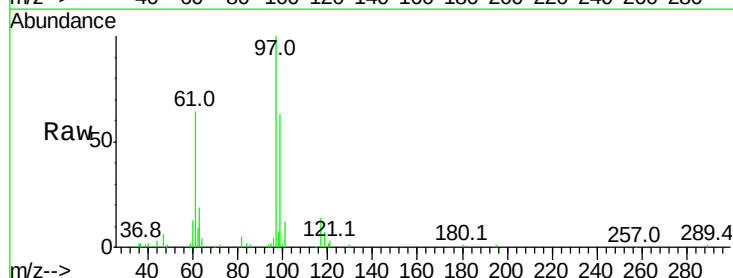
Tgt Ion	Ratio	Lower	Upper
61	100		
96	51.2	47.5	71.3
98	30.9	28.8	43.2

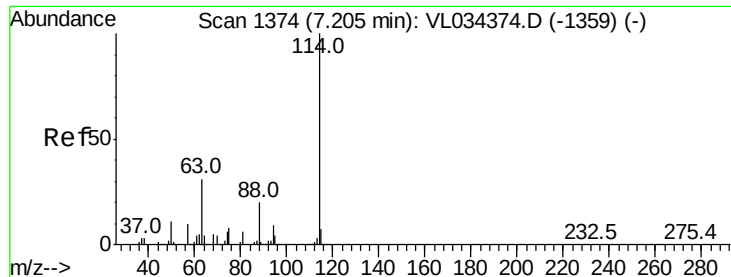


#32

1,1,1-Trichloroethane
Concen: 0.521 ppbv
RT: 6.53 min Scan# 1163
Delta R.T. -0.02 min
Lab File: VL034377.D
Acq: 19 Nov 2019 11:46

Tgt Ion	Ratio	Lower	Upper
97	100		
99	68.7	52.6	78.8
61	62.1	44.5	66.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.20 min Scan# 1372

Delta R.T. -0.02 min

Lab File: VL034377.D

Acq: 19 Nov 2019 11:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

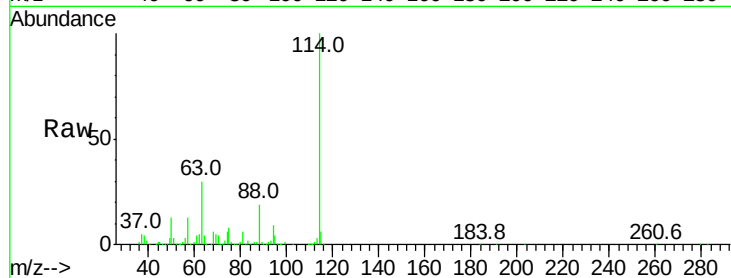
Tgt Ion:114 Resp: 2109577

Ion Ratio Lower Upper

114 100

63 29.9 25.2 37.8

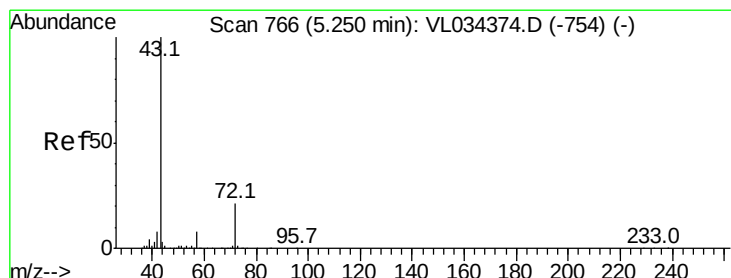
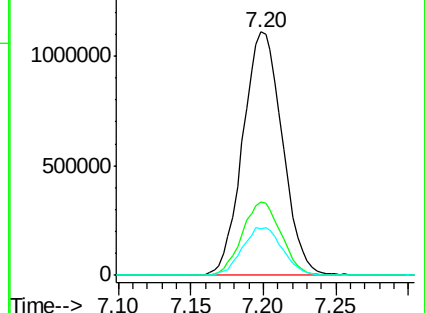
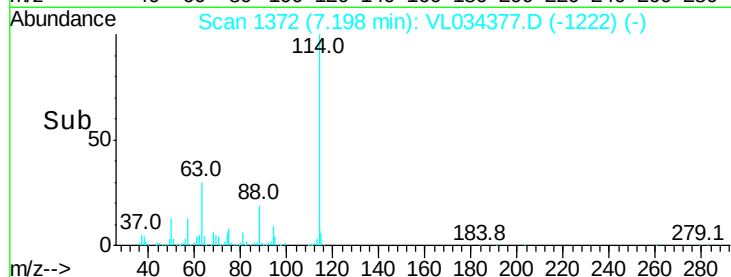
88 20.0 16.0 24.0



Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 0.533 ppbv

RT: 5.26 min Scan# 768

Delta R.T. -0.00 min

Lab File: VL034377.D

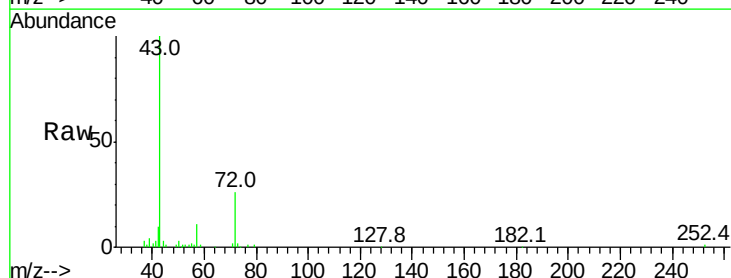
Acq: 19 Nov 2019 11:46

Tgt Ion: 43 Resp: 91854

Ion Ratio Lower Upper

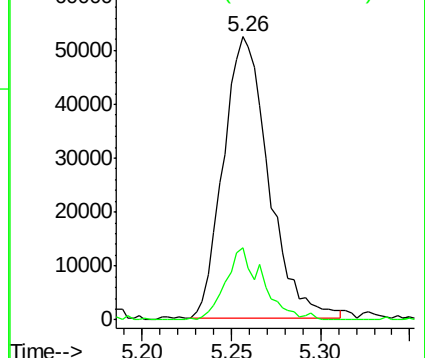
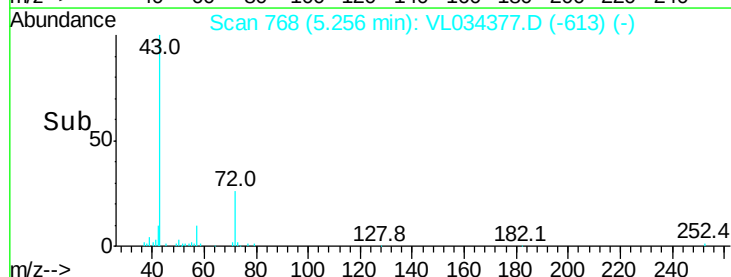
43 100

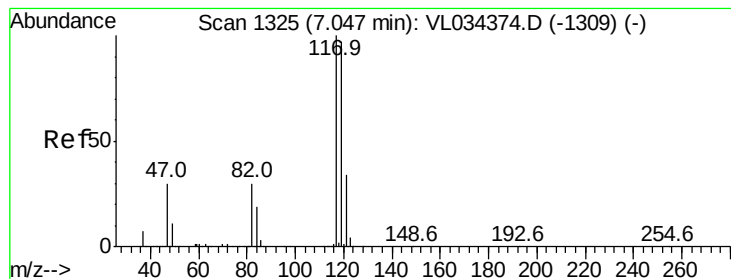
72 21.3 16.3 24.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 0.192 ppbv

RT: 7.05 min Scan# 1325

Delta R.T. -0.01 min

Lab File: VL034377.D

Acq: 19 Nov 2019 11:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

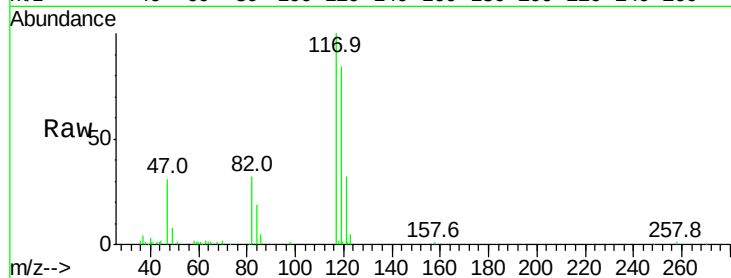
Tgt Ion:117 Resp: 35368

Ion Ratio Lower Upper

117 100

119 84.2 77.3 115.9

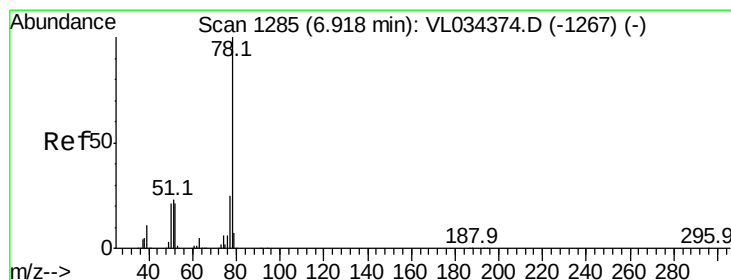
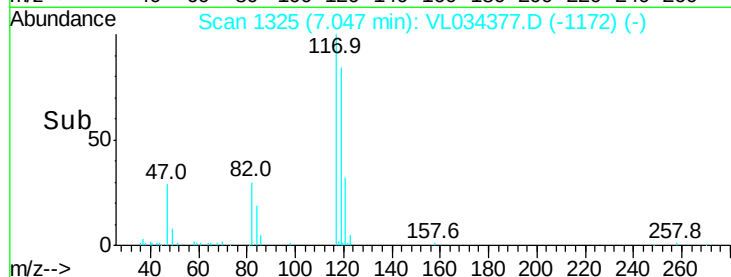
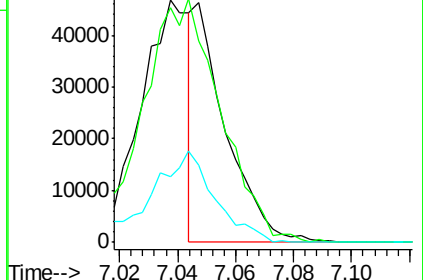
121 33.1 25.5 38.3



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: 0.520 ppbv

RT: 6.92 min Scan# 1284

Delta R.T. -0.01 min

Lab File: VL034377.D

Acq: 19 Nov 2019 11:46

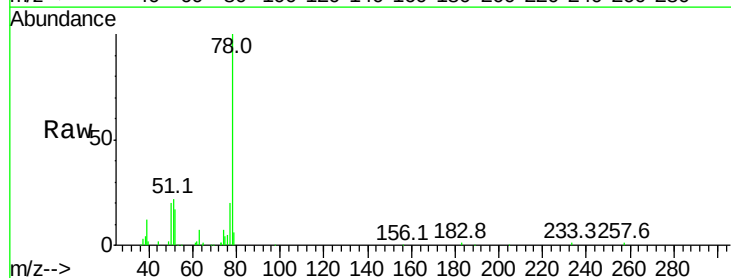
Tgt Ion: 78 Resp: 105155

Ion Ratio Lower Upper

78 100

77 20.2 19.0 28.4

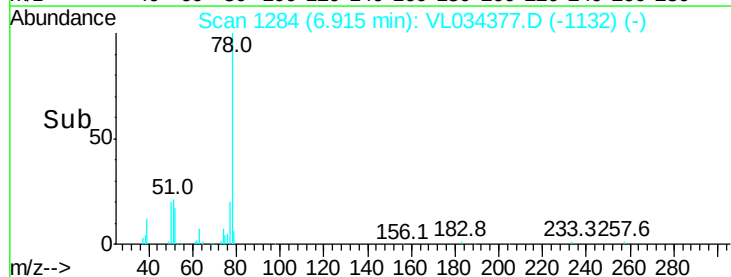
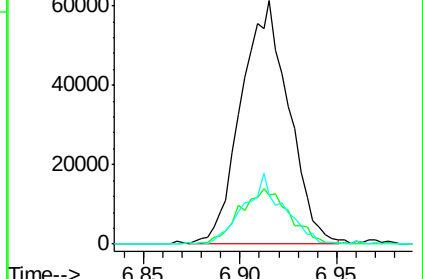
50 19.3 18.6 27.8

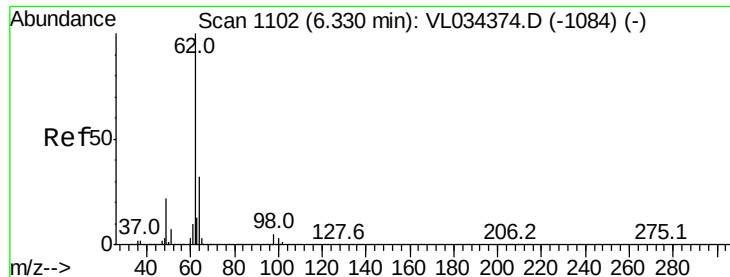


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

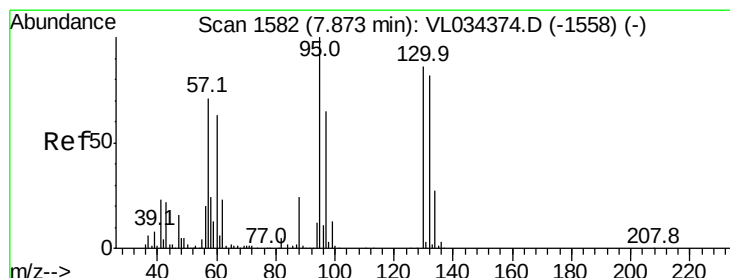
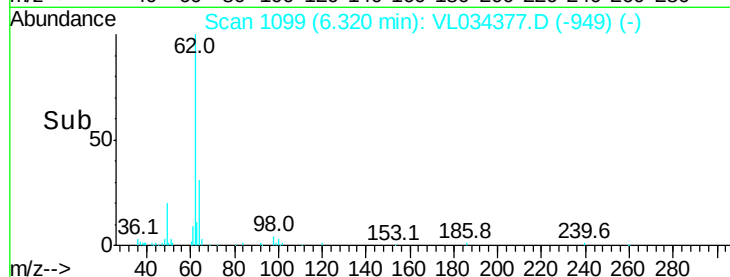
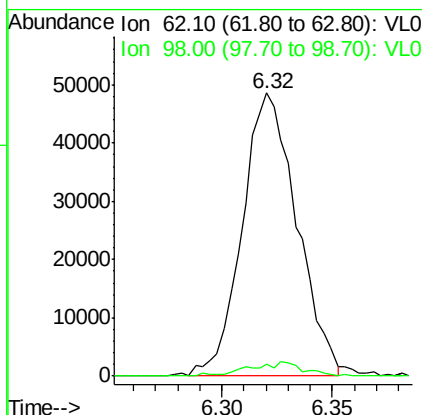
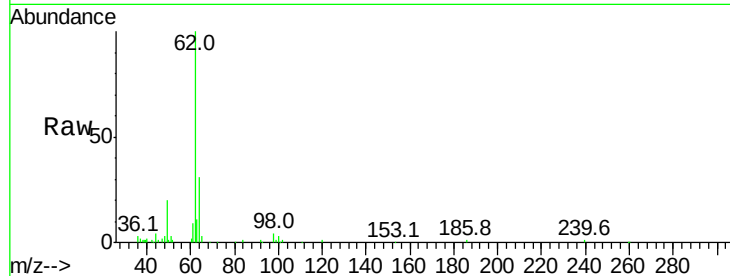




#37
 1,2-Dichloroethane
 Concen: 0.552 ppbv
 RT: 6.32 min Scan# 1099
 Delta R.T. -0.02 min
 Lab File: VL034377.D
 Acq: 19 Nov 2019 11:46

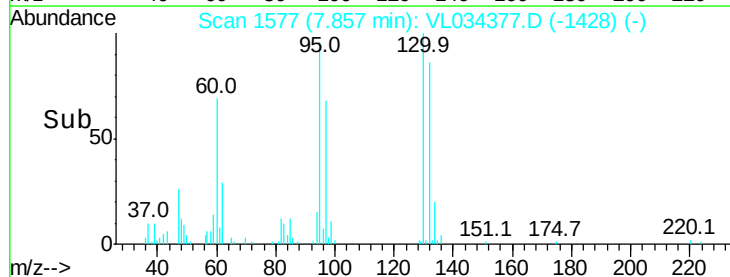
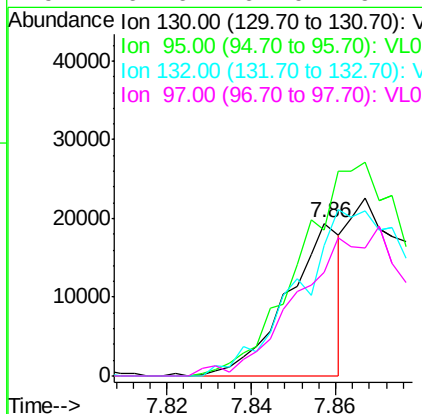
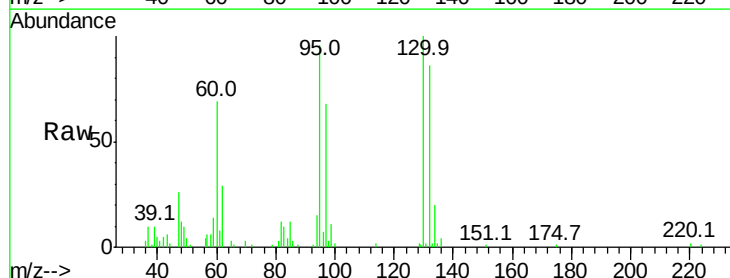
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

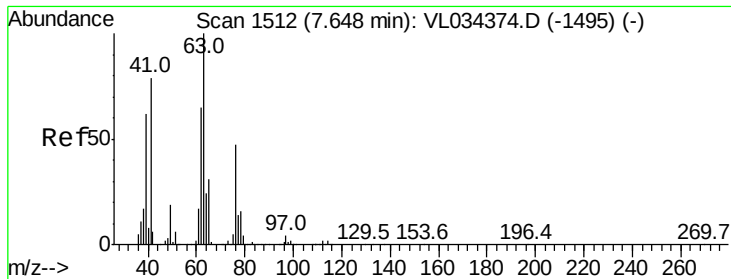
Tgt Ion: 62 Resp: 83337
 Ion Ratio Lower Upper
 62 100
 98 5.1 3.8 5.6



#38
 Trichloroethene
 Concen: 0.210 ppbv
 RT: 7.86 min Scan# 1577
 Delta R.T. -0.02 min
 Lab File: VL034377.D
 Acq: 19 Nov 2019 11:46

Tgt Ion: 130 Resp: 17044
 Ion Ratio Lower Upper
 130 100
 95 95.8 88.6 132.8
 132 85.8 71.2 106.8
 97 67.6 61.0 91.4





#39

1,2-Dichloropropane

Concen: 0.443 ppbv

RT: 7.64 min Scan# 1510

Delta R.T. -0.01 min

Lab File: VL034377.D

Acq: 19 Nov 2019 11:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

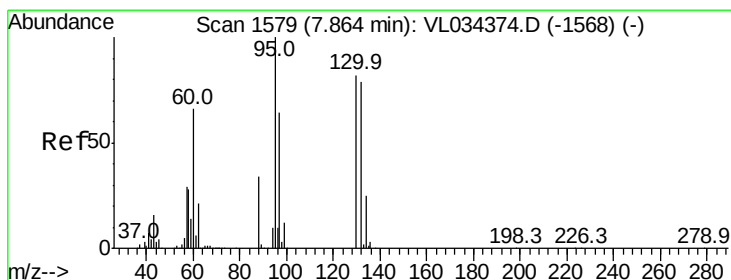
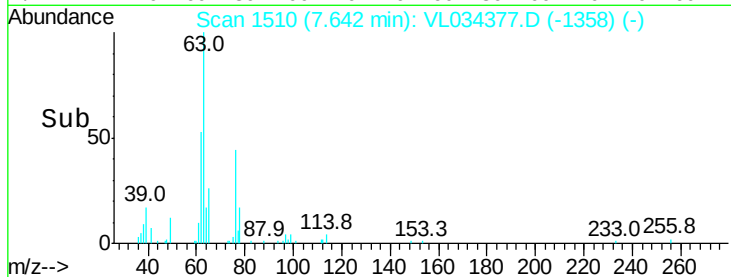
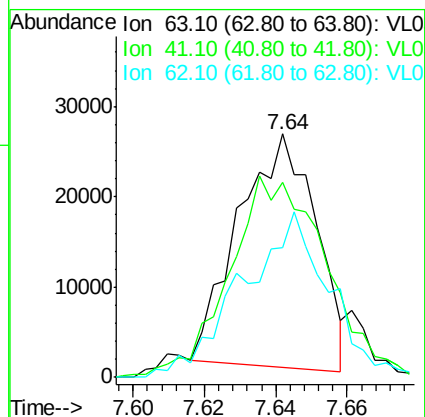
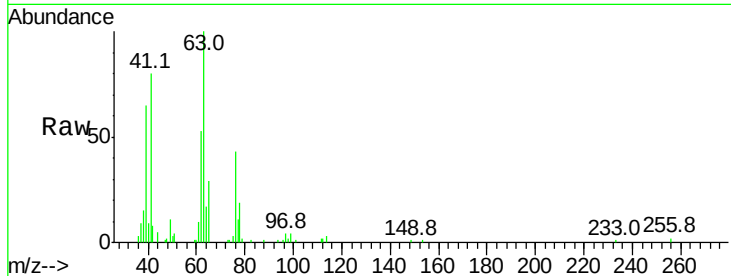
Tgt Ion: 63 Resp: 38629

Ion Ratio Lower Upper

63 100

41 78.0 65.6 98.4

62 50.5 53.0 79.6#



#40

1,4-Dioxane

Concen: 0.097 ppbv

RT: 7.87 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VL034377.D

Acq: 19 Nov 2019 11:46

Tgt Ion: 88 Resp: 2958

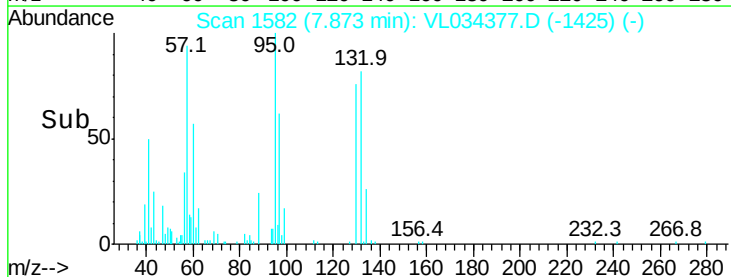
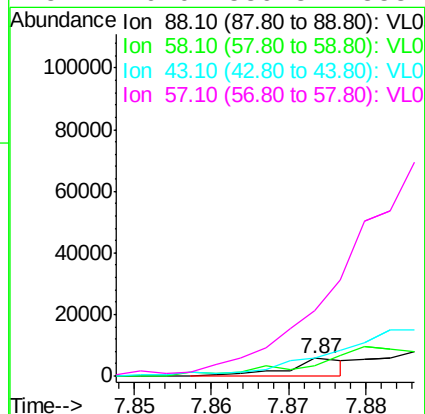
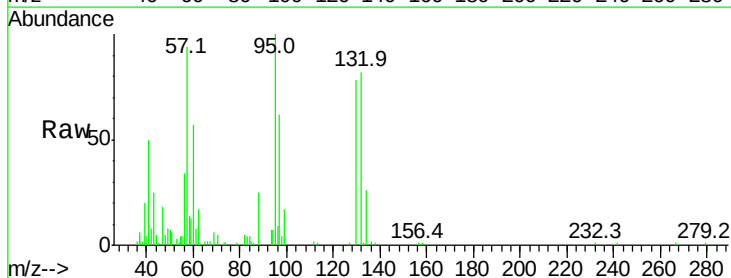
Ion Ratio Lower Upper

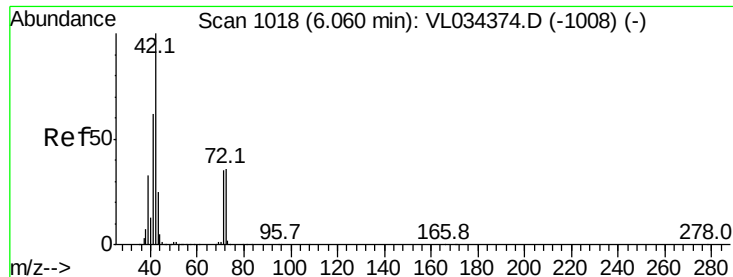
88 100

58 0.0 110.3 165.5#

43 0.0 228.1 342.1#

57 0.0 889.3 1333.9#

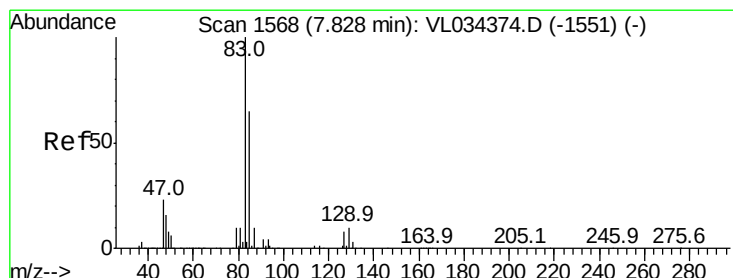
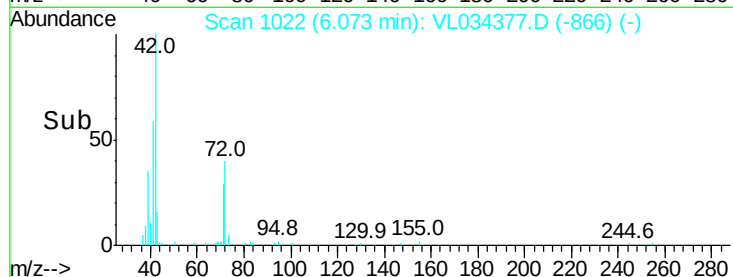
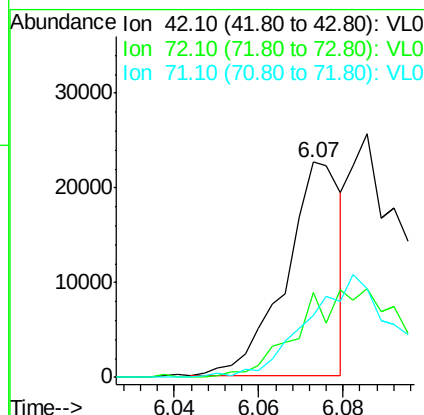
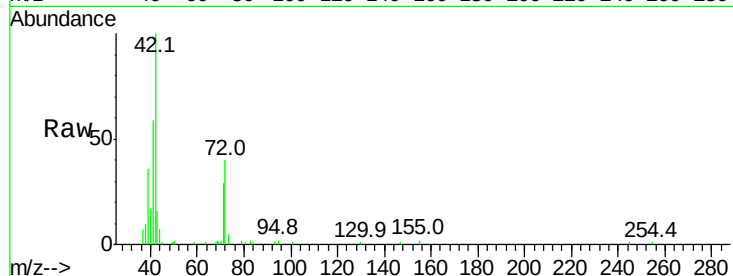




#41
Tetrahydrofuran
Concen: 0.214 ppbv
RT: 6.07 min Scan# 1022
Delta R.T. 0.00 min
Lab File: VL034377.D
Acq: 19 Nov 2019 11:46

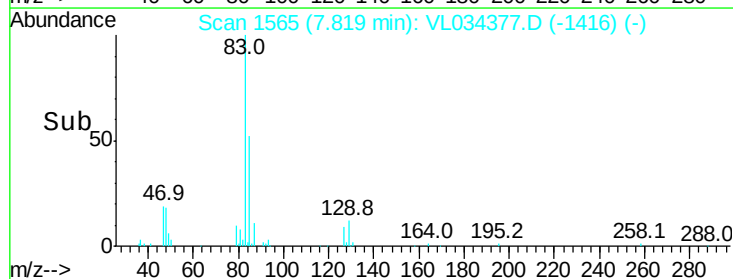
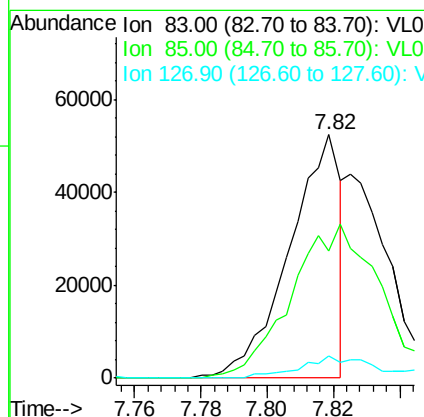
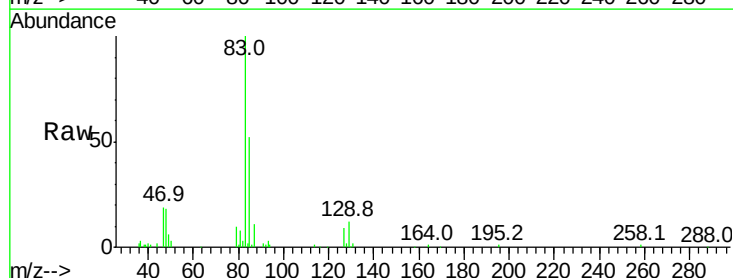
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

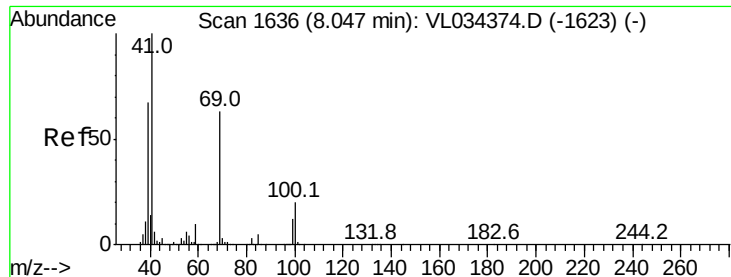
Tgt Ion: 42 Resp: 20520
Ion Ratio Lower Upper
42 100
72 0.0 28.0 42.0#
71 0.0 27.3 40.9#



#42
Bromodichloromethane
Concen: 0.306 ppbv
RT: 7.82 min Scan# 1565
Delta R.T. -0.02 min
Lab File: VL034377.D
Acq: 19 Nov 2019 11:46

Tgt Ion: 83 Resp: 56474
Ion Ratio Lower Upper
83 100
85 52.2 51.8 77.6
127 8.9 7.0 10.6

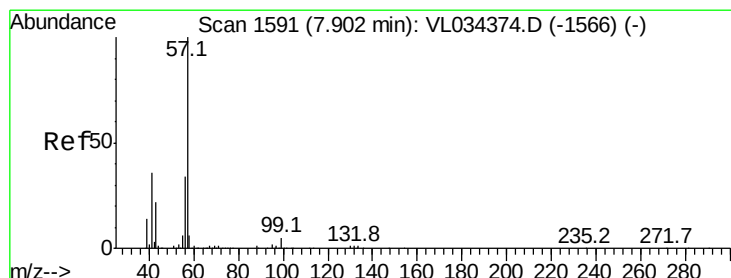
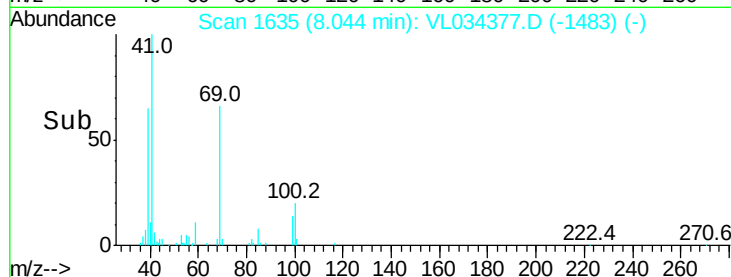
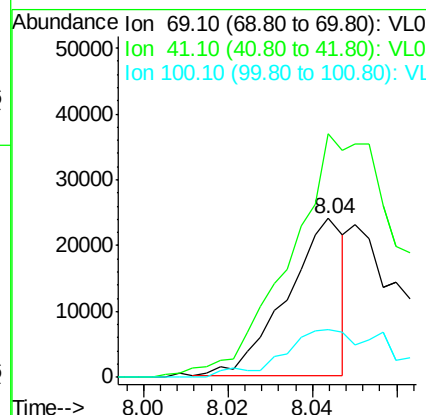
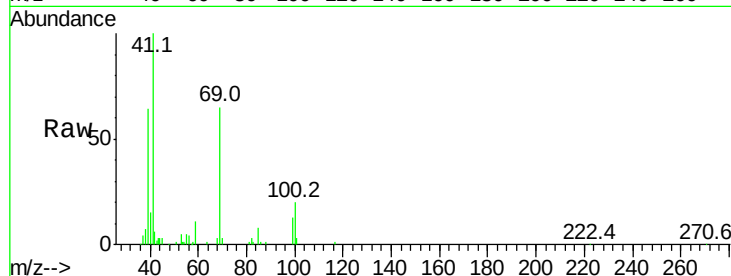




#43
Methyl Methacrylate
Concen: 0.268 ppbv
RT: 8.04 min Scan# 1635
Delta R.T. -0.01 min
Lab File: VL034377.D
Acq: 19 Nov 2019 11:46

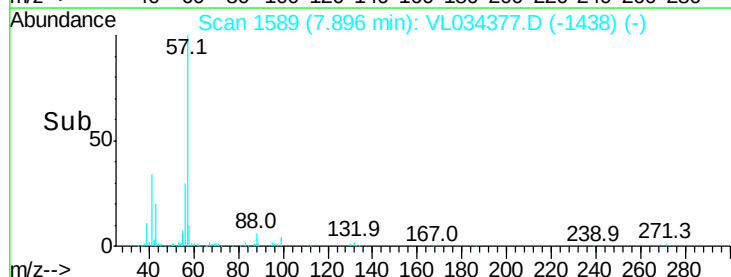
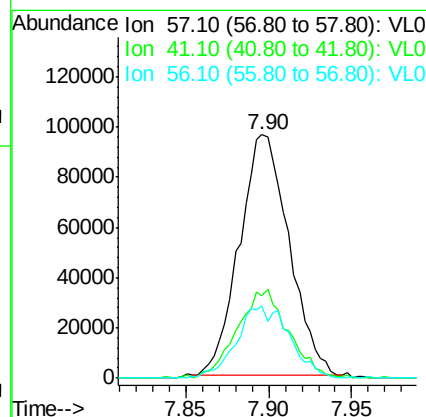
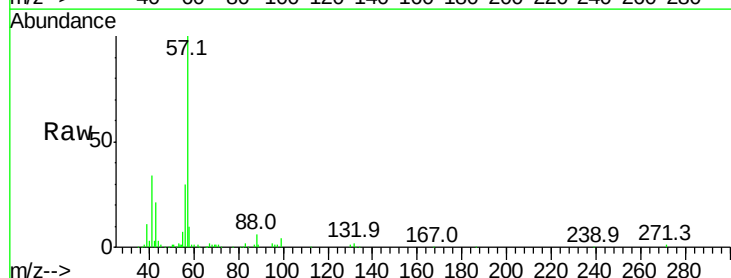
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

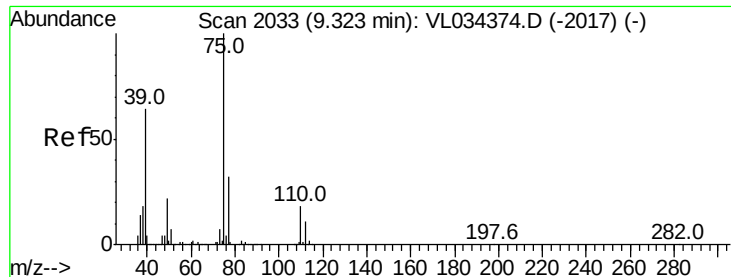
Tgt Ion: 69 Resp: 22476
Ion Ratio Lower Upper
69 100
41 307.2 132.1 198.1#
100 60.9 23.2 34.8#



#44
2,2,4-Trimethylpentane
Concen: 0.533 ppbv
RT: 7.90 min Scan# 1589
Delta R.T. -0.02 min
Lab File: VL034377.D
Acq: 19 Nov 2019 11:46

Tgt Ion: 57 Resp: 199794
Ion Ratio Lower Upper
57 100
41 38.1 29.3 43.9
56 32.2 25.3 37.9





#45

t-1,3-Dichloropropene

Concen: 0.210 ppbv

RT: 9.31 min Scan# 2030

Delta R.T. -0.02 min

Lab File: VL034377.D

Acq: 19 Nov 2019 11:46

Instrument :

MSVOA_L

ClientSampleId :

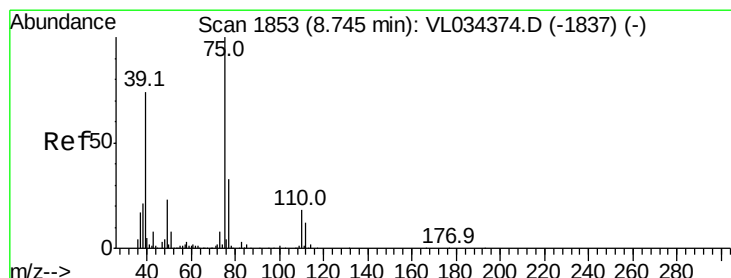
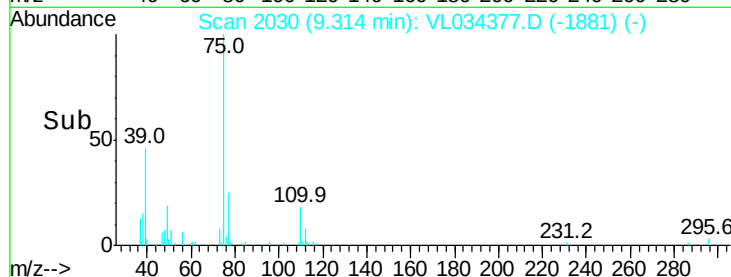
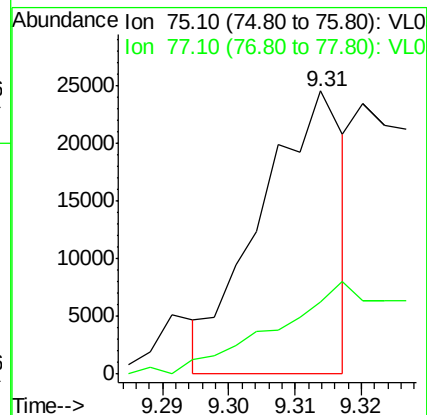
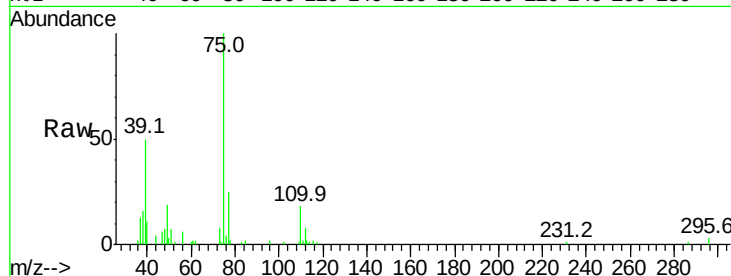
VSTDIC0.5

Tgt Ion: 75 Resp: 21399

Ion Ratio Lower Upper

75 100

77 26.7 25.6 38.4



#46

cis-1,3-Dichloropropene

Concen: 0.048 ppbv

RT: 8.73 min Scan# 1849

Delta R.T. -0.02 min

Lab File: VL034377.D

Acq: 19 Nov 2019 11:46

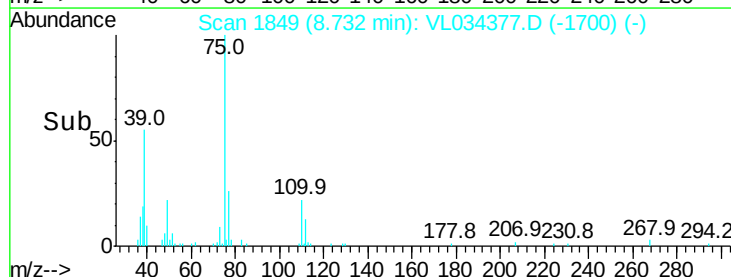
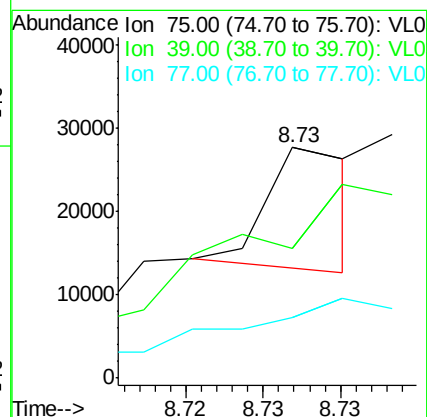
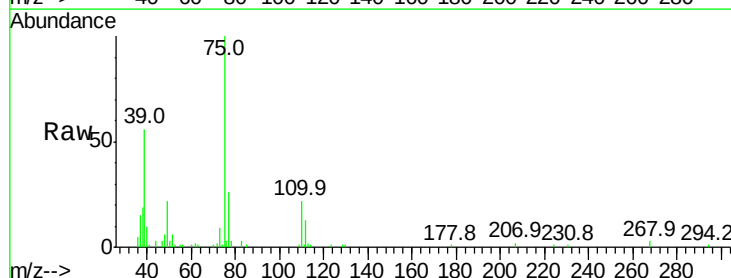
Tgt Ion: 75 Resp: 5619

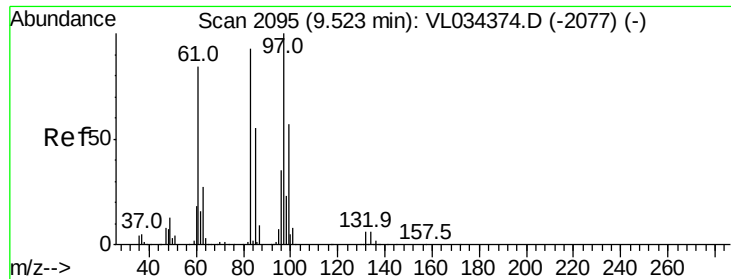
Ion Ratio Lower Upper

75 100

39 6.2 61.2 91.8#

77 10.5 25.9 38.9#





#47

1,1,2-Trichloroethane

Concen: 0.495 ppbv

RT: 9.52 min Scan# 2093

Delta R.T. -0.02 min

Lab File: VL034377.D

Acq: 19 Nov 2019 11:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion: 97 Resp: 43698

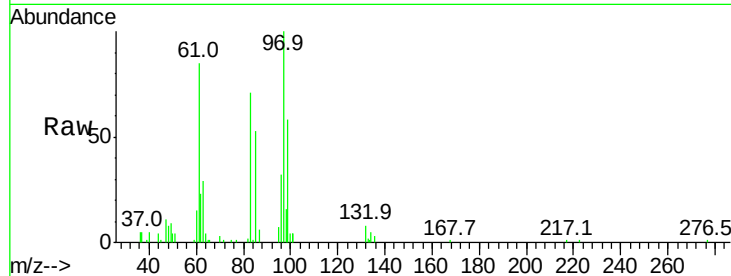
Ion Ratio Lower Upper

97 100

83 69.7 74.2 111.2#

85 52.3 48.6 73.0

99 59.6 47.0 70.6

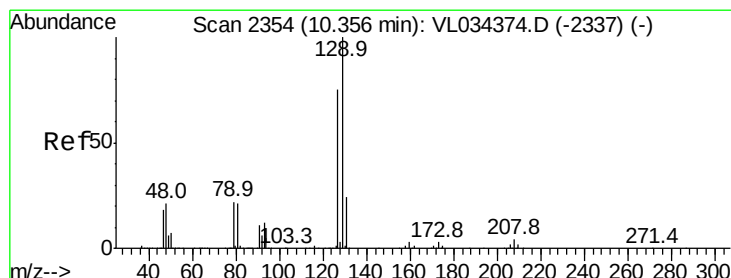
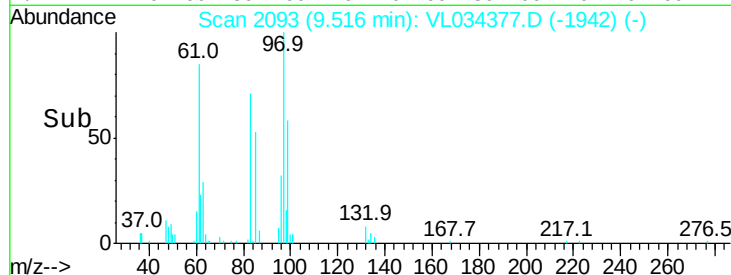
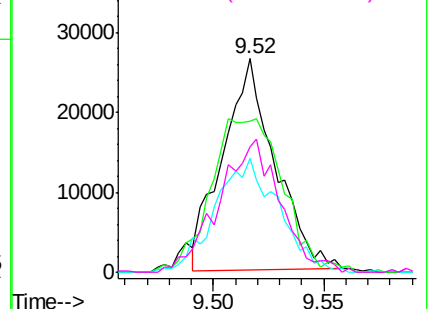


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 0.389 ppbv

RT: 10.35 min Scan# 2352

Delta R.T. -0.02 min

Lab File: VL034377.D

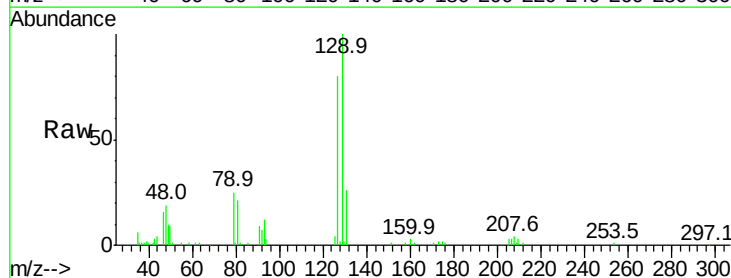
Acq: 19 Nov 2019 11:46

Tgt Ion: 129 Resp: 56368

Ion Ratio Lower Upper

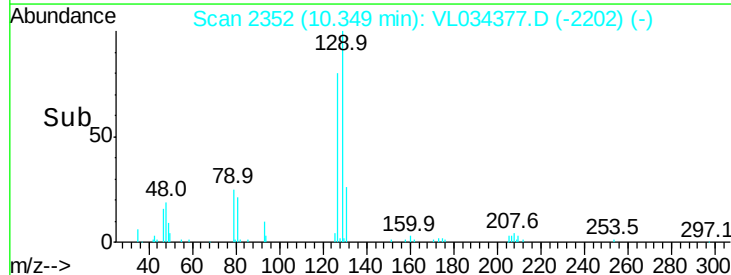
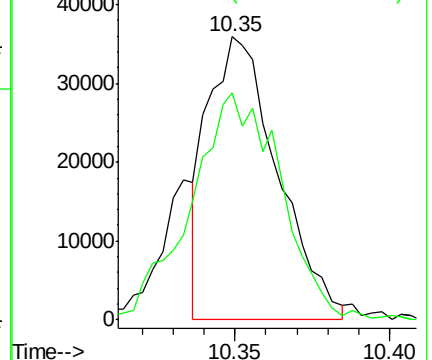
129 100

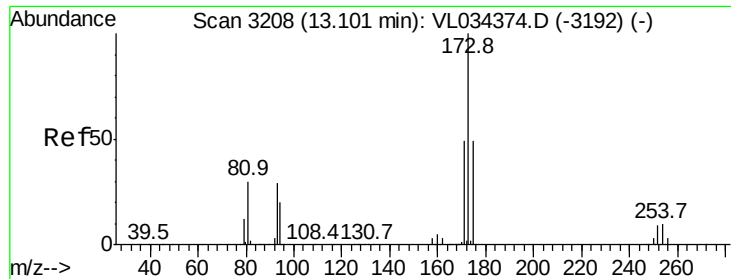
127 104.4 39.7 119.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 0.196 ppbv

RT: 13.09 min Scan# 3204

Delta R.T. -0.03 min

Lab File: VL034377.D

Acq: 19 Nov 2019 11:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

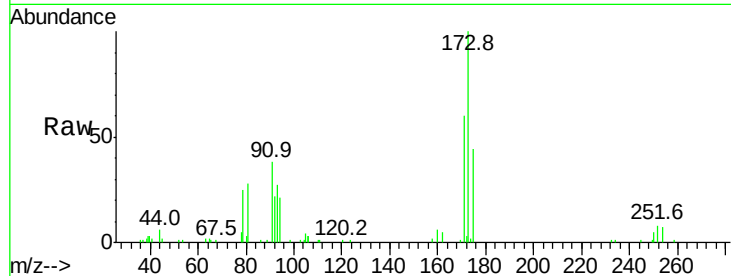
Tgt Ion:173 Resp: 25180

Ion Ratio Lower Upper

173 100

175 0.0 39.8 59.6#

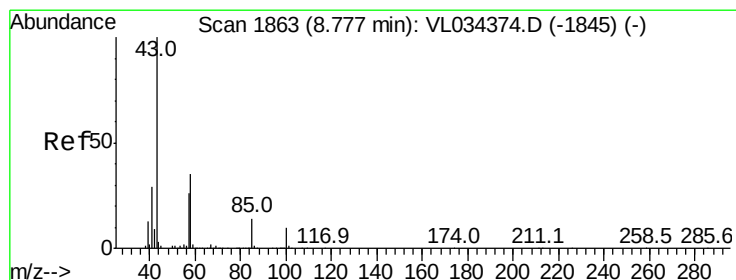
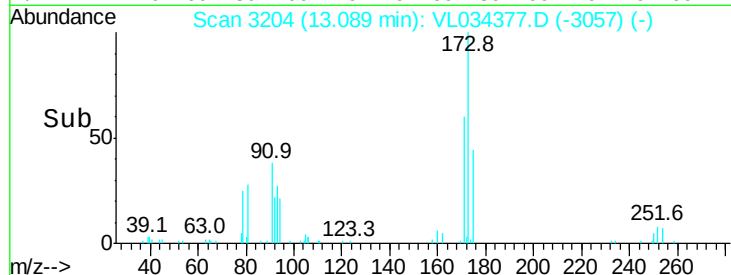
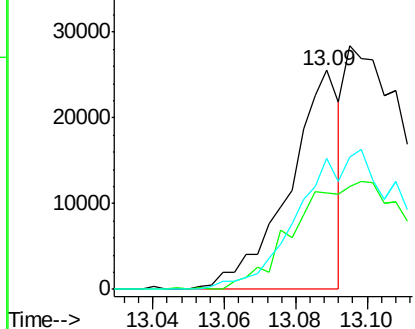
171 0.0 41.8 62.6#



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: 0.228 ppbv

RT: 8.78 min Scan# 1865

Delta R.T. -0.01 min

Lab File: VL034377.D

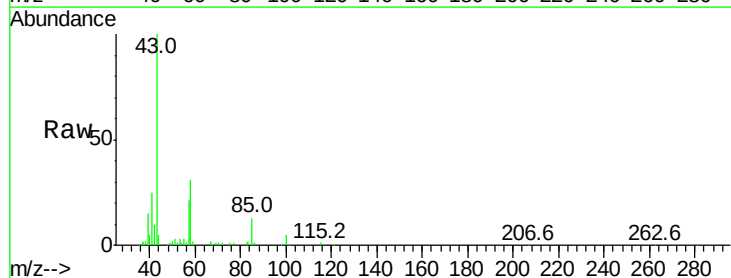
Acq: 19 Nov 2019 11:46

Tgt Ion: 43 Resp: 56160

Ion Ratio Lower Upper

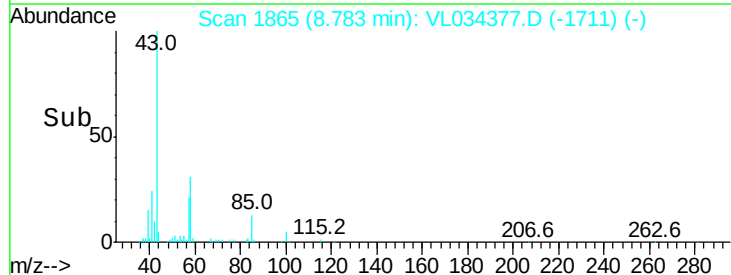
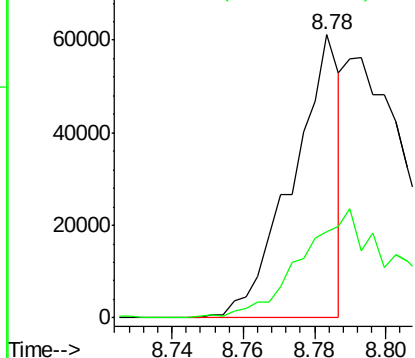
43 100

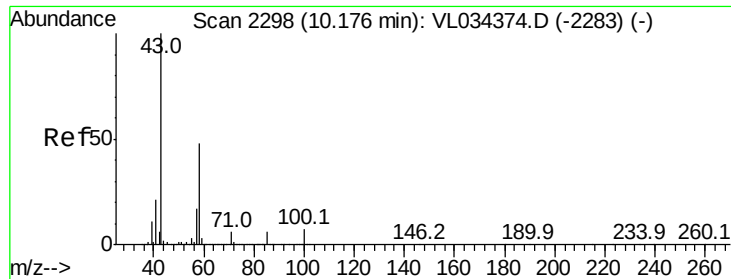
58 0.0 27.6 41.4#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

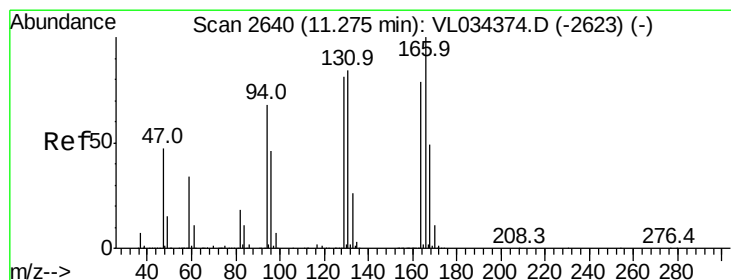
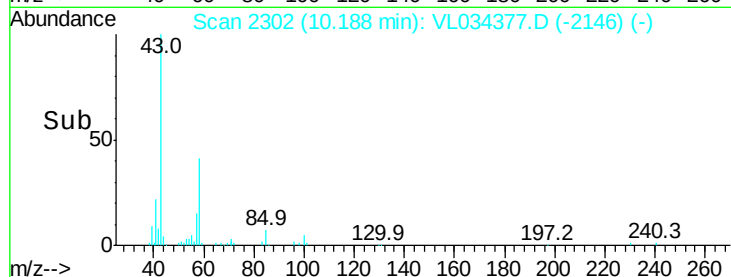
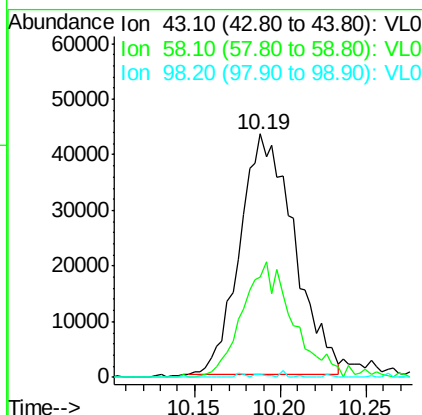
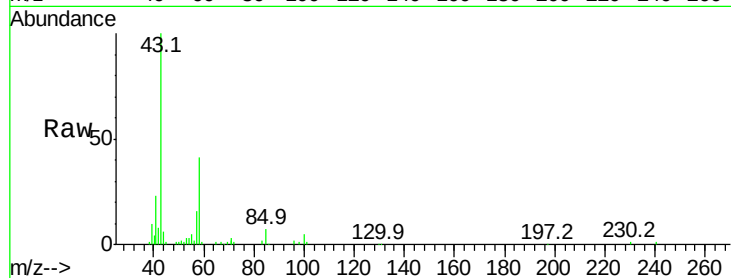




#51
2-Hexanone
Concen: 0.471 ppbv
RT: 10.19 min Scan# 2302
Delta R.T. 0.00 min
Lab File: VL034377.D
Acq: 19 Nov 2019 11:46

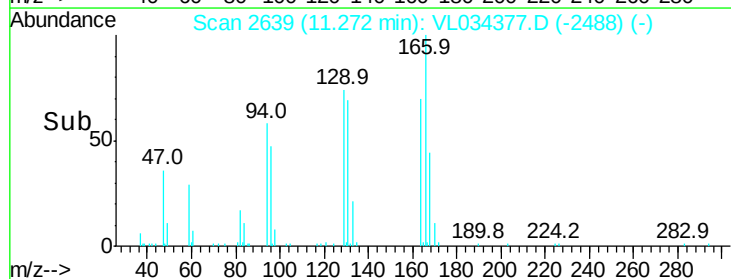
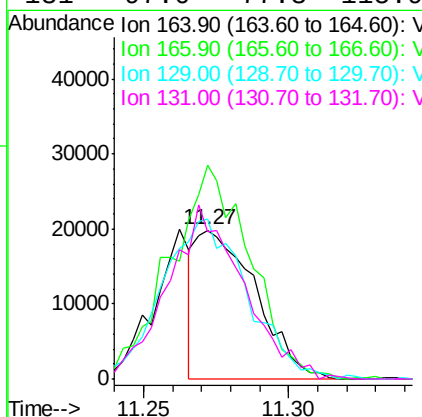
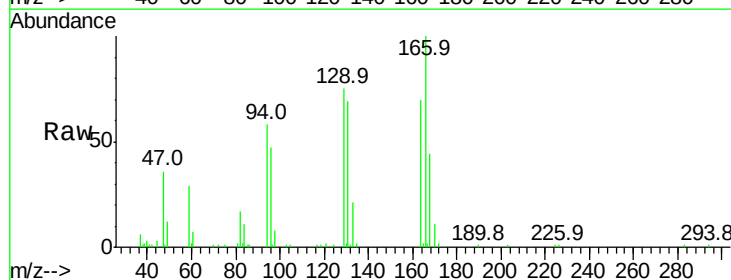
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

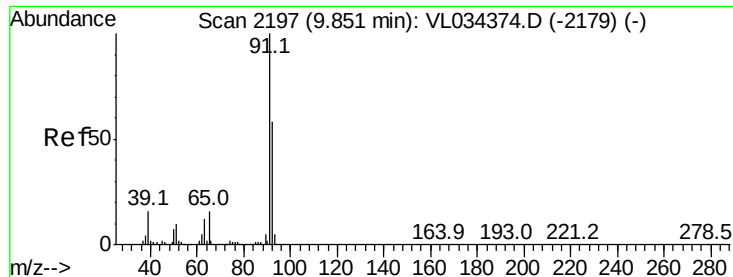
Tgt Ion: 43 Resp: 95287
Ion Ratio Lower Upper
43 100
58 46.3 37.0 55.6
98 1.1 0.2 0.2#



#52
Tetrachloroethene
Concen: 0.358 ppbv
RT: 11.27 min Scan# 2639
Delta R.T. -0.02 min
Lab File: VL034377.D
Acq: 19 Nov 2019 11:46

Tgt Ion: 164 Resp: 28388
Ion Ratio Lower Upper
164 100
166 142.5 95.3 142.9
129 107.4 84.5 126.7
131 97.0 77.3 115.9





#53

Toluene

Concen: 0.524 ppbv

RT: 9.84 min Scan# 2195

Delta R.T. -0.02 min

Lab File: VL034377.D

Acq: 19 Nov 2019 11:46

Instrument :

MSVOA_L

ClientSampleId :

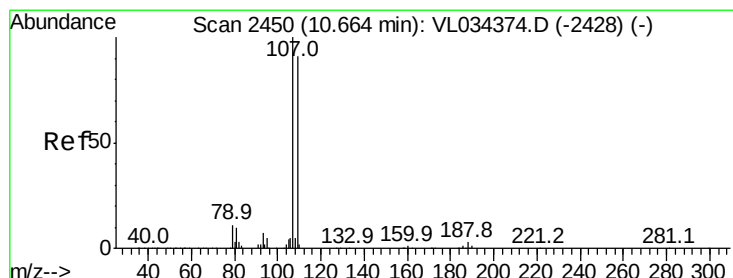
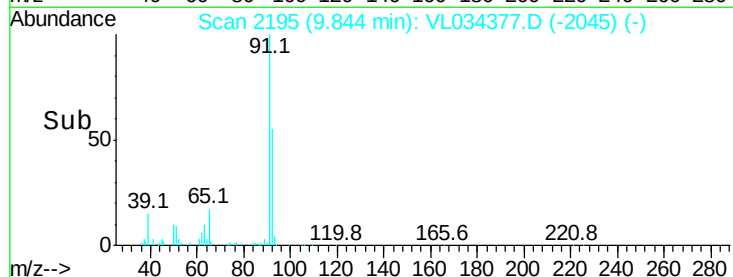
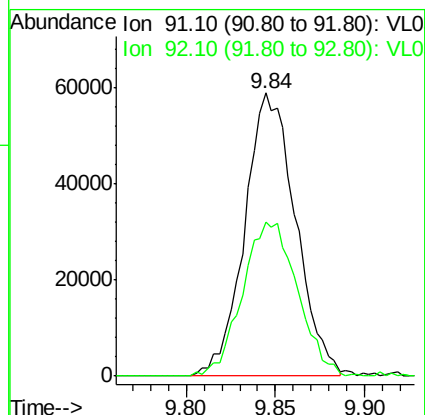
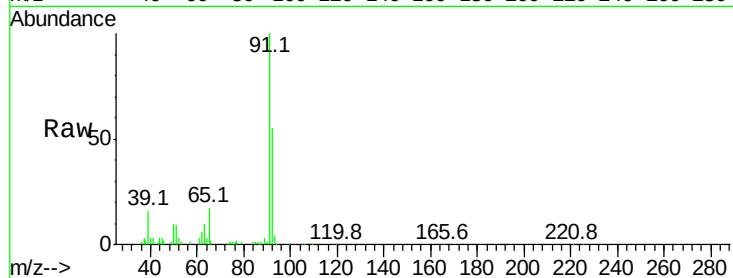
VSTDIC0.5

Tgt Ion: 91 Resp: 117029

Ion Ratio Lower Upper

91 100

92 58.8 48.4 72.6



#54

1,2-Dibromoethane

Concen: 0.273 ppbv

RT: 10.66 min Scan# 2449

Delta R.T. -0.01 min

Lab File: VL034377.D

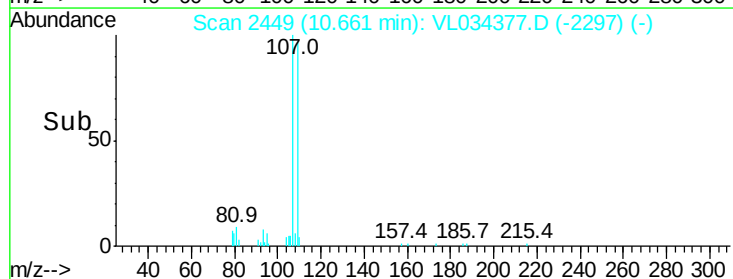
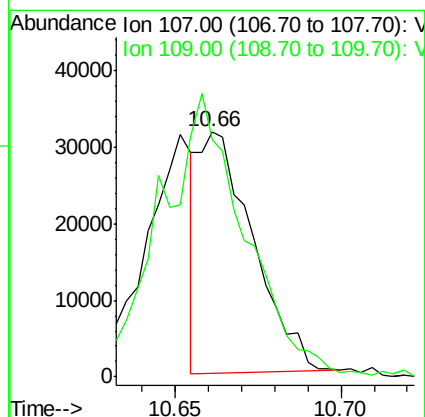
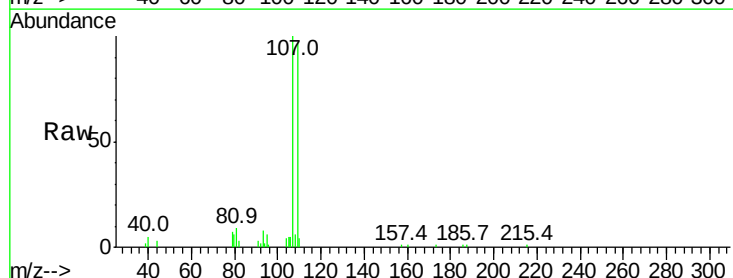
Acq: 19 Nov 2019 11:46

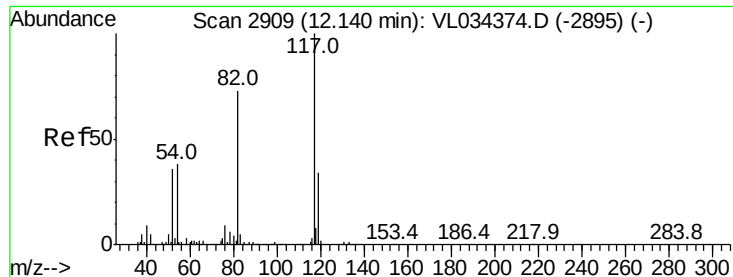
Tgt Ion: 107 Resp: 35742

Ion Ratio Lower Upper

107 100

109 97.6 74.6 112.0

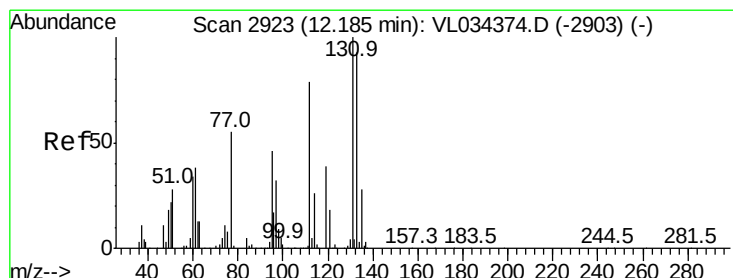
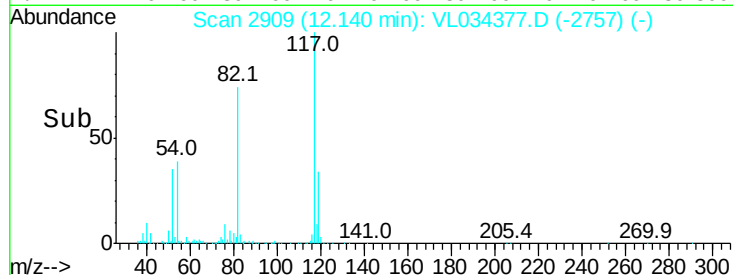
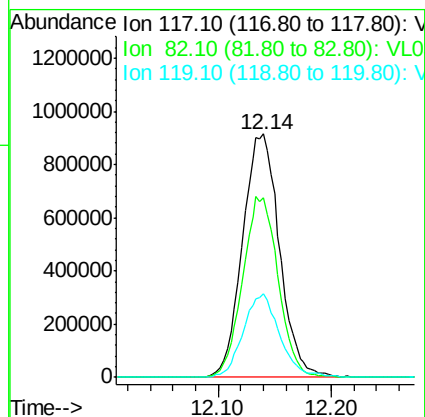
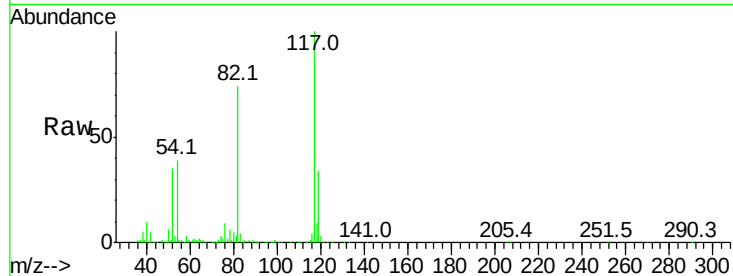




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.14 min Scan# 2909
Delta R.T. -0.01 min
Lab File: VL034377.D
Acq: 19 Nov 2019 11:46

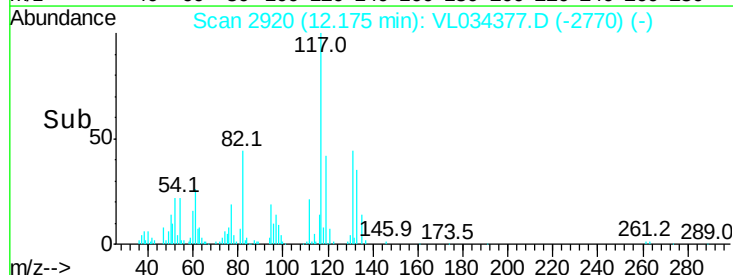
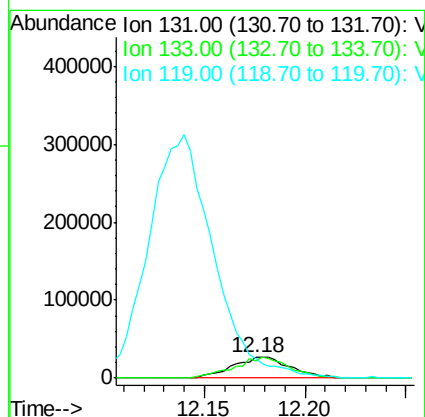
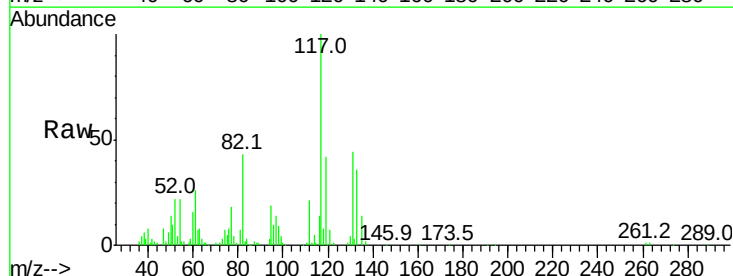
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

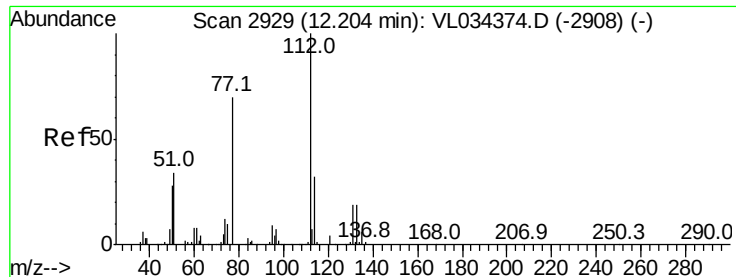
Tgt Ion:117 Resp: 2079378
Ion Ratio Lower Upper
117 100
82 71.5 55.5 83.3
119 34.0 26.5 39.7



#56
1,1,1,2-Tetrachloroethane
Concen: 0.544 ppbv
RT: 12.18 min Scan# 2920
Delta R.T. -0.02 min
Lab File: VL034377.D
Acq: 19 Nov 2019 11:46

Tgt Ion:131 Resp: 52086
Ion Ratio Lower Upper
131 100
133 100.4 77.1 115.7
119 1358.1 49.0 73.4#





#57

Chlorobenzene

Concen: 0.608 ppbv

RT: 12.19 min Scan# 2925

Delta R.T. -0.03 min

Lab File: VL034377.D

Acq: 19 Nov 2019 11:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

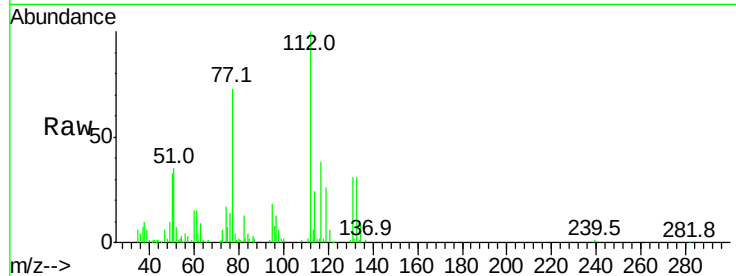
Tgt Ion: 112 Resp: 105538

Ion Ratio Lower Upper

112 100

77 72.3 58.6 88.0

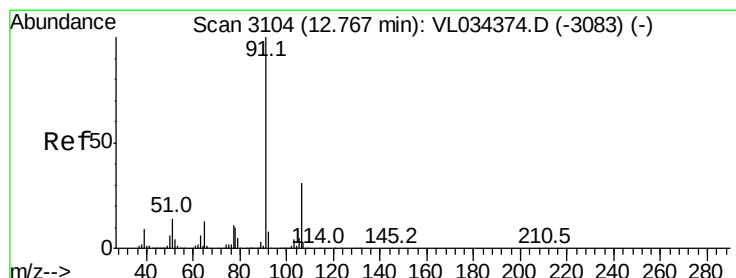
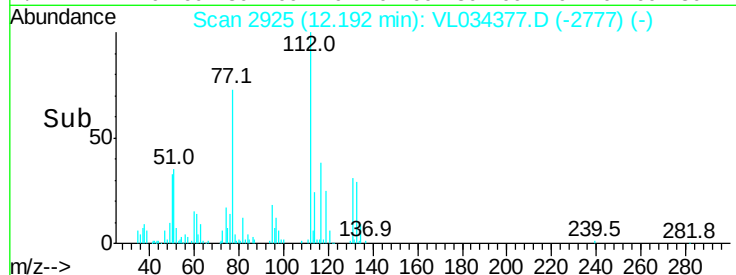
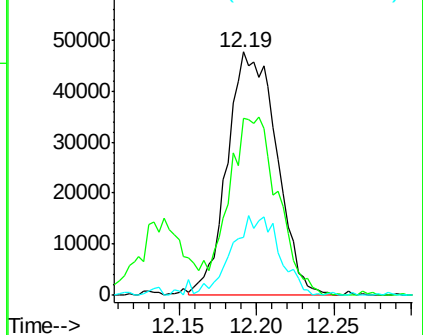
114 23.7 28.6 35.0#



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: 0.574 ppbv

RT: 12.76 min Scan# 3103

Delta R.T. -0.02 min

Lab File: VL034377.D

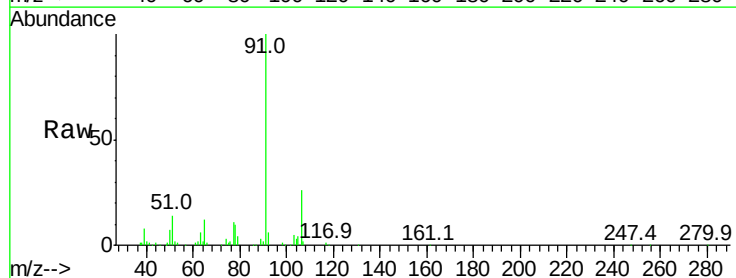
Acq: 19 Nov 2019 11:46

Tgt Ion: 91 Resp: 166859

Ion Ratio Lower Upper

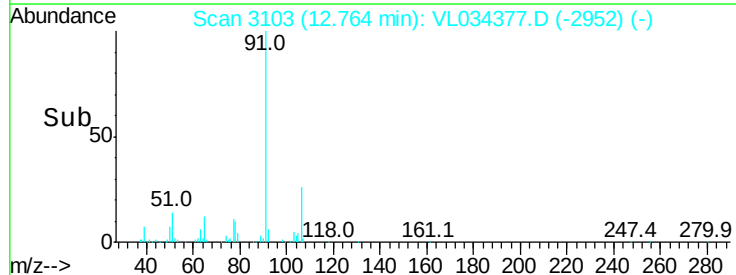
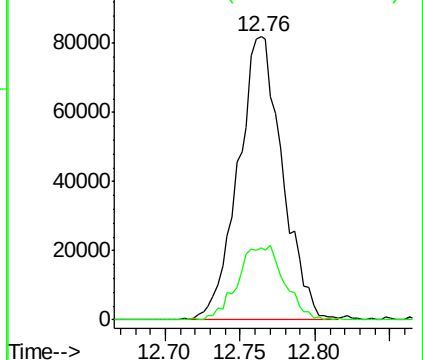
91 100

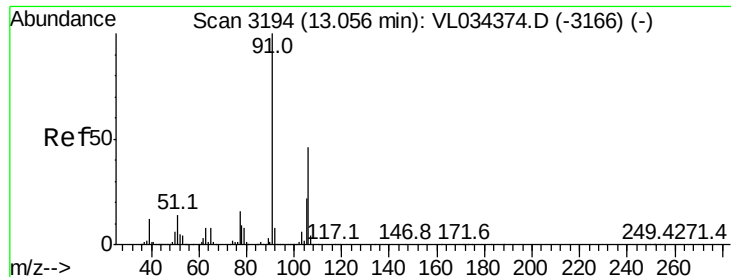
106 25.5 25.3 37.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

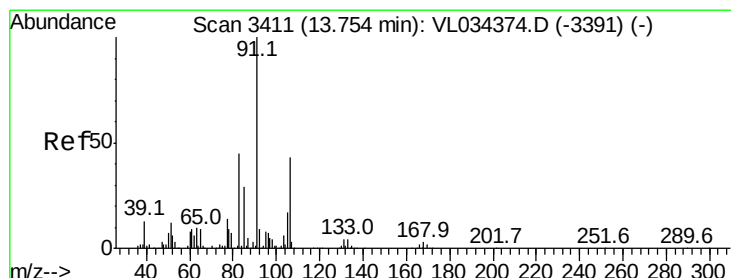
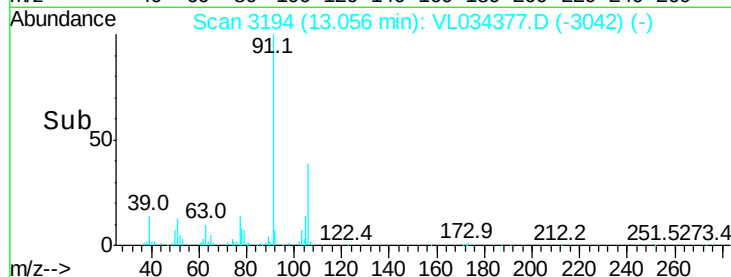
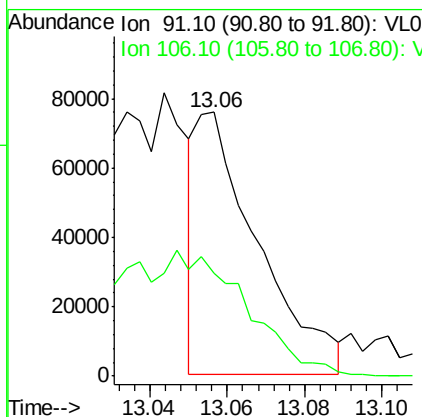
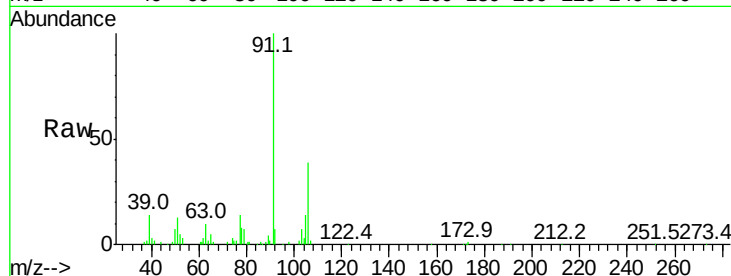




#59
m/p-Xylene
Concen: 0.331 ppbv
RT: 13.06 min Scan# 3194
Delta R.T. -0.01 min
Lab File: VL034377.D
Acq: 19 Nov 2019 11:46

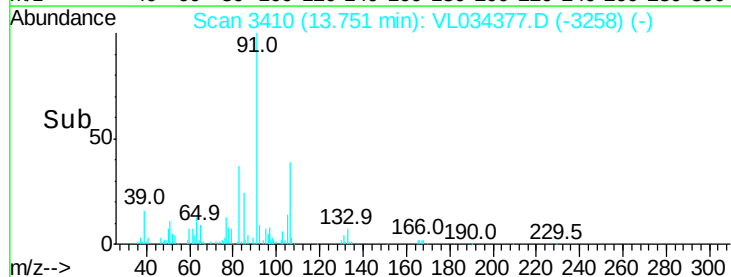
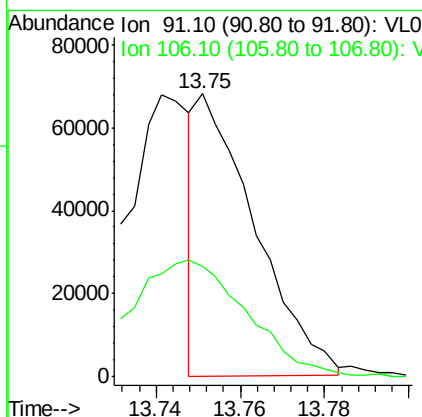
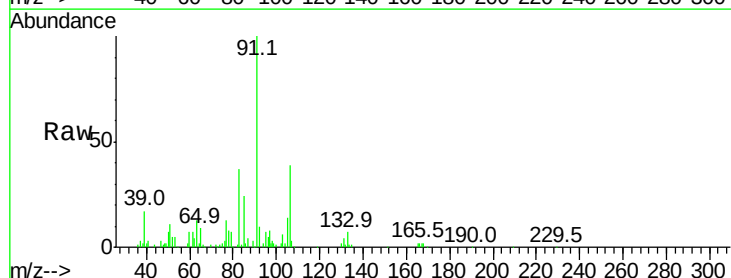
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

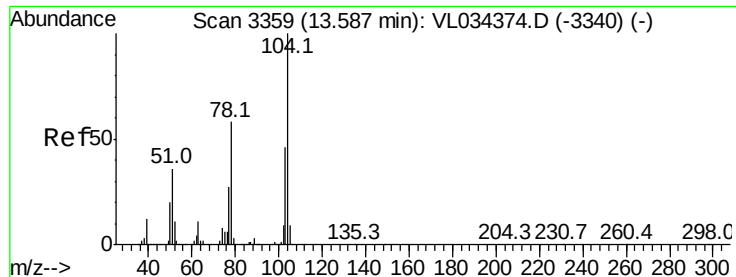
Tgt Ion: 91 Resp: 83312
Ion Ratio Lower Upper
91 100
106 0.0 35.4 53.2#



#60
o-Xylene
Concen: 0.259 ppbv
RT: 13.75 min Scan# 3410
Delta R.T. -0.01 min
Lab File: VL034377.D
Acq: 19 Nov 2019 11:46

Tgt Ion: 91 Resp: 64969
Ion Ratio Lower Upper
91 100
106 90.7 21.6 64.6#





#61

Styrene

Concen: 0.558 ppbv

RT: 13.58 min Scan# 3358

Delta R.T. -0.02 min

Lab File: VL034377.D

Acq: 19 Nov 2019 11:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

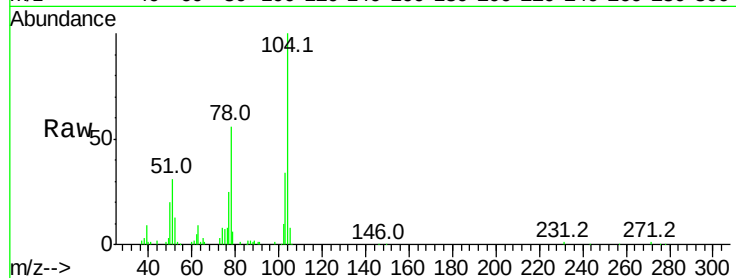
Tgt Ion:104 Resp: 98578

Ion Ratio Lower Upper

104 100

78 61.0 47.8 71.8

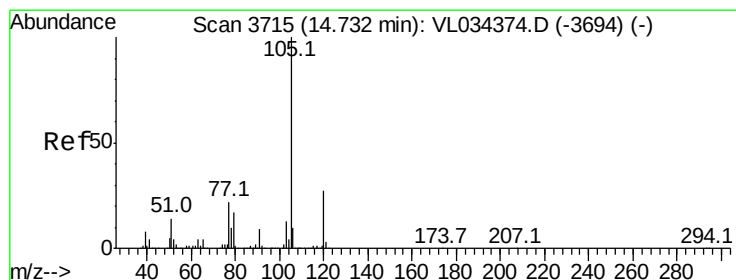
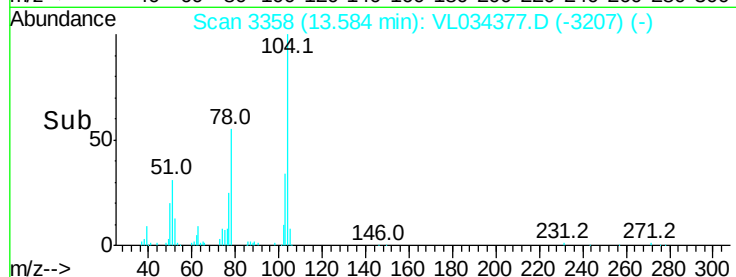
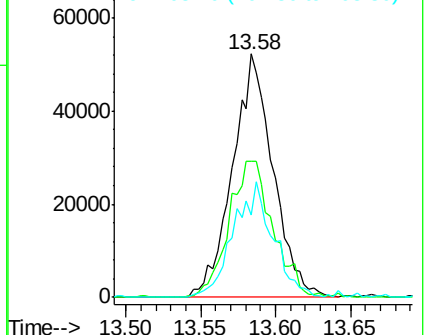
103 46.9 39.0 58.6



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: 0.590 ppbv

RT: 14.73 min Scan# 3713

Delta R.T. -0.02 min

Lab File: VL034377.D

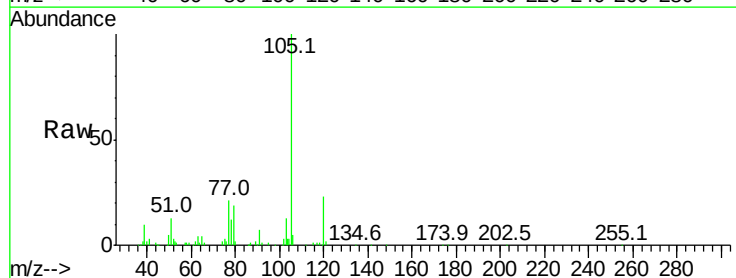
Acq: 19 Nov 2019 11:46

Tgt Ion:105 Resp: 195393

Ion Ratio Lower Upper

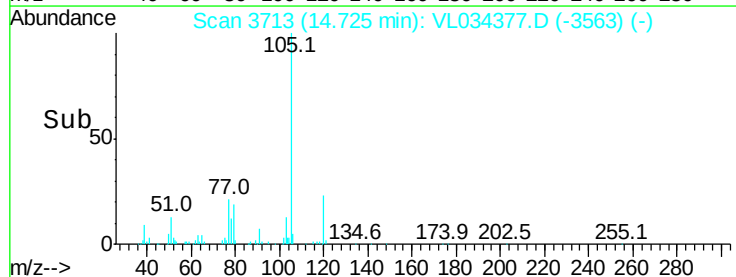
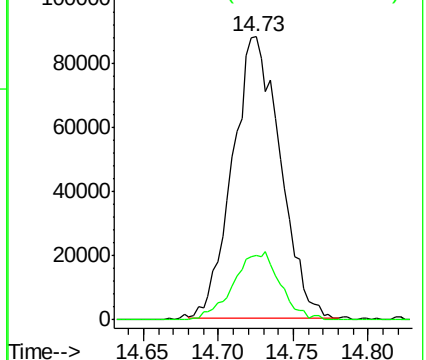
105 100

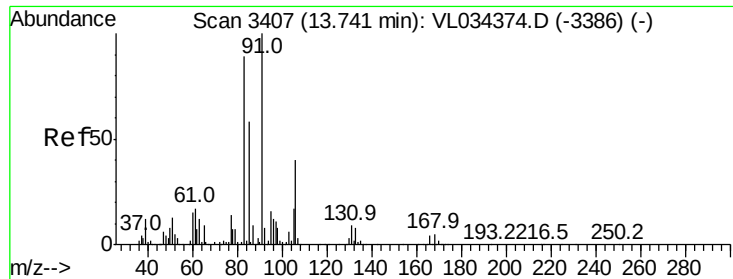
120 23.5 20.8 31.2



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: 0.545 ppbv

RT: 13.73 min Scan# 3404

Delta R.T. -0.02 min

Lab File: VL034377.D

Acq: 19 Nov 2019 11:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

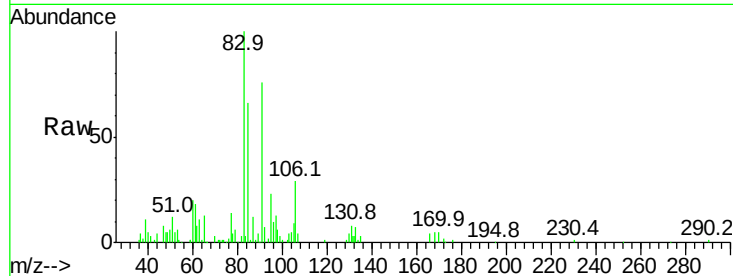
Tgt Ion: 83 Resp: 109754

Ion Ratio Lower Upper

83 100

131 11.1 4.8 14.4

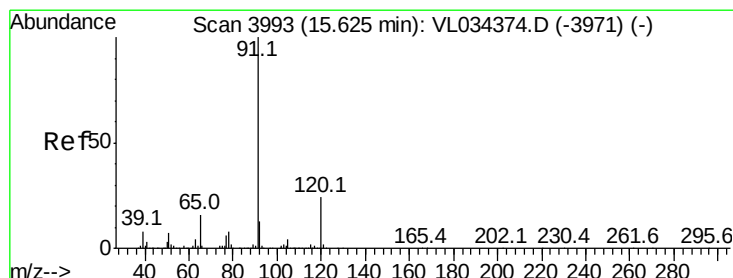
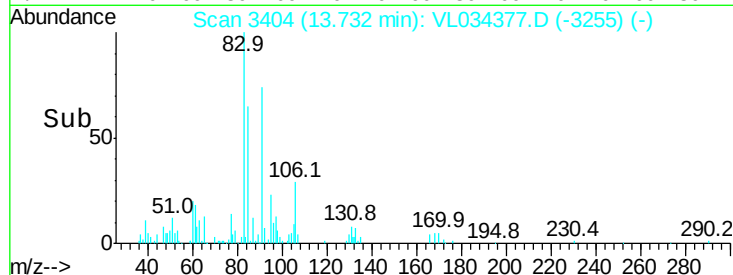
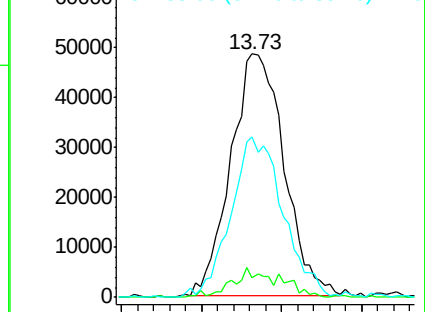
85 66.3 32.5 97.4



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 0.214 ppbv

RT: 15.62 min Scan# 3992

Delta R.T. -0.01 min

Lab File: VL034377.D

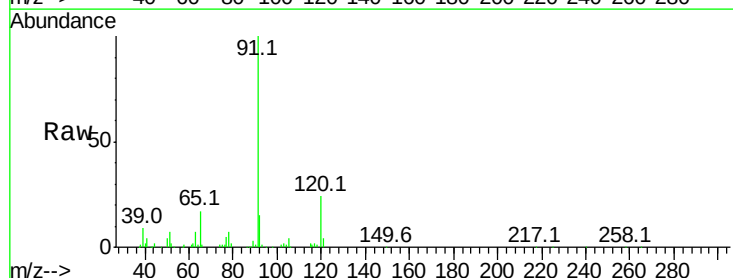
Acq: 19 Nov 2019 11:46

Tgt Ion: 120 Resp: 18219

Ion Ratio Lower Upper

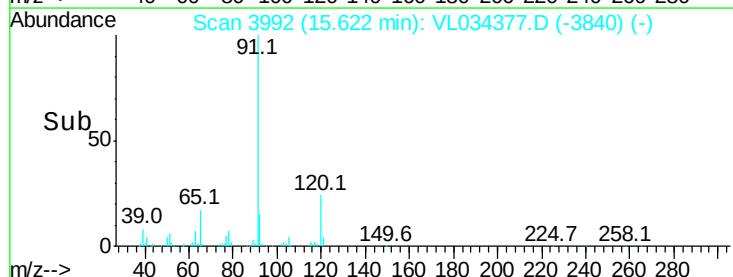
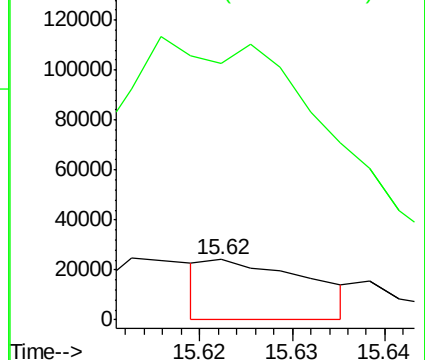
120 100

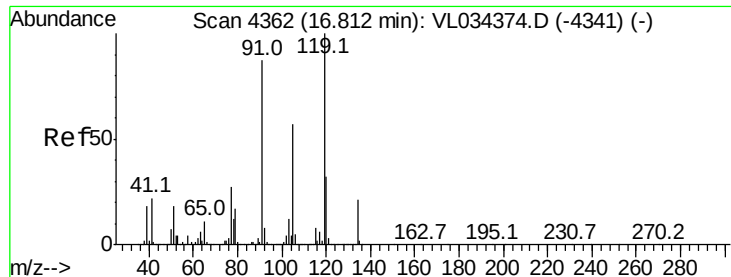
91 0.0 374.9 562.3#



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 0.589 ppbv

RT: 16.81 min Scan# 4360

Delta R.T. -0.02 min

Lab File: VL034377.D

Acq: 19 Nov 2019 11:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

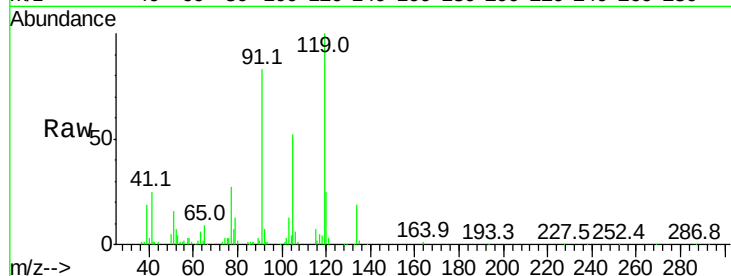
Tgt Ion: 119 Resp: 172796

Ion Ratio Lower Upper

119 100

91 92.3 71.4 107.0

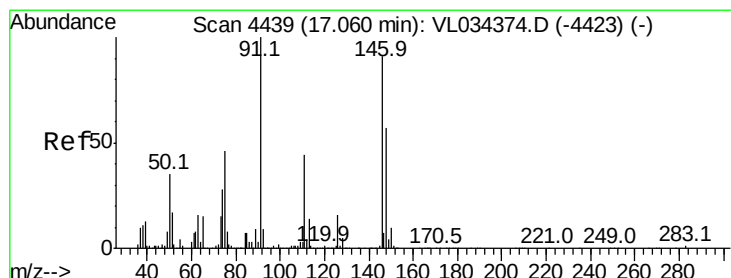
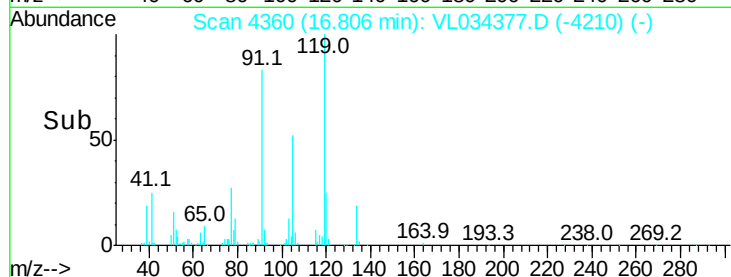
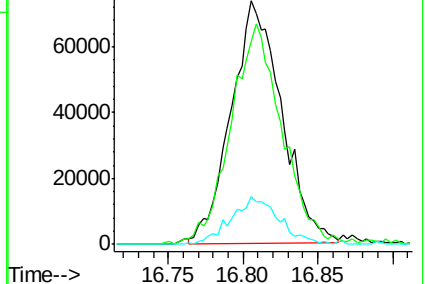
134 18.8 15.9 23.9



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: 0.256 ppbv

RT: 17.05 min Scan# 4437

Delta R.T. -0.02 min

Lab File: VL034377.D

Acq: 19 Nov 2019 11:46

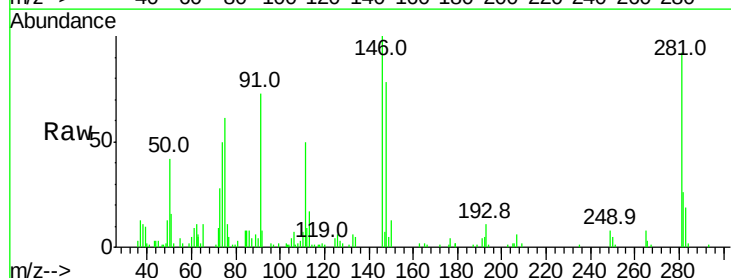
Tgt Ion: 91 Resp: 29702

Ion Ratio Lower Upper

91 100

126 30.2 12.9 19.3#

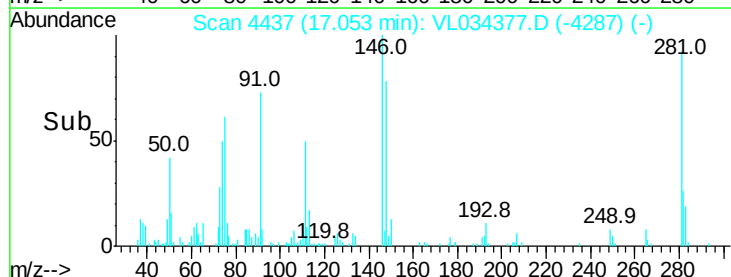
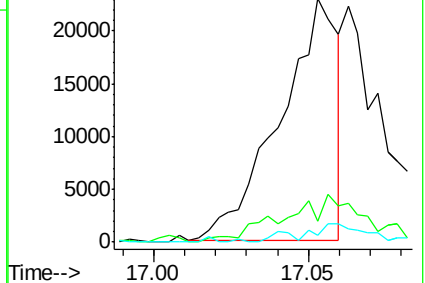
128 0.0 4.3 6.5#

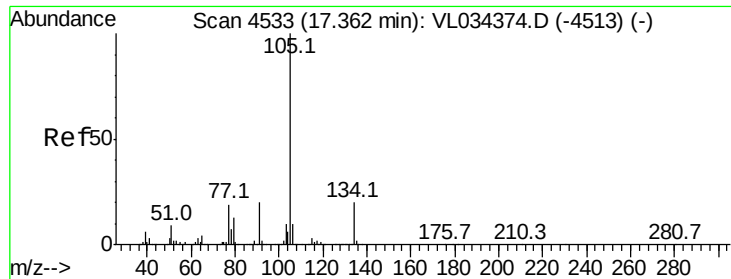


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 0.314 ppbv

RT: 17.36 min Scan# 4531

Delta R.T. -0.02 min

Lab File: VL034377.D

Acq: 19 Nov 2019 11:46

Instrument :

MSVOA_L

ClientSampleId :

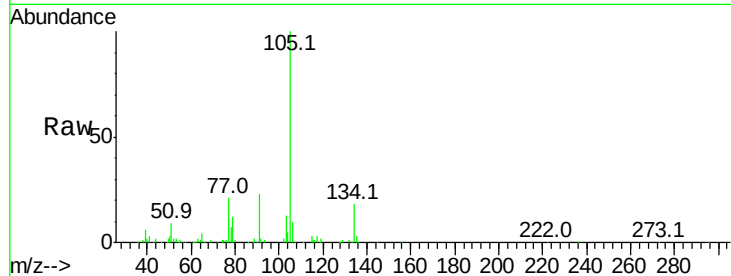
VSTDIC0.5

Tgt Ion: 105 Resp: 129666

Ion Ratio Lower Upper

105 100

134 0.0 15.4 23.0#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

120000

100000

80000

60000

40000

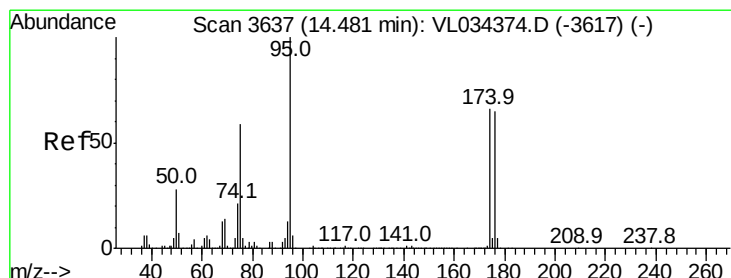
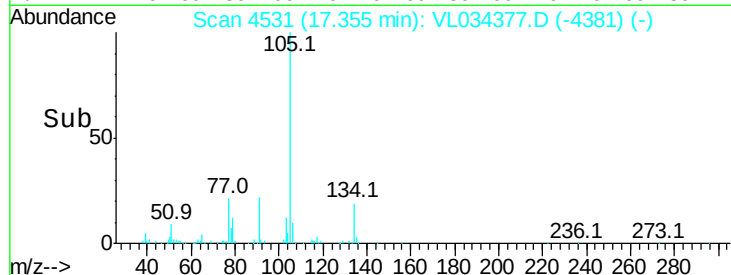
20000

0

17.30

17.35

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 10.100 ppbv

RT: 14.47 min Scan# 3635

Delta R.T. -0.02 min

Lab File: VL034377.D

Acq: 19 Nov 2019 11:46

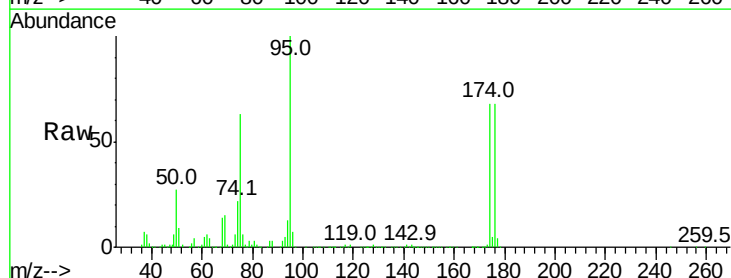
Tgt Ion: 95 Resp: 1778642

Ion Ratio Lower Upper

95 100

174 65.3 52.6 78.8

175 4.7 3.8 5.6



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

1000000

800000

600000

400000

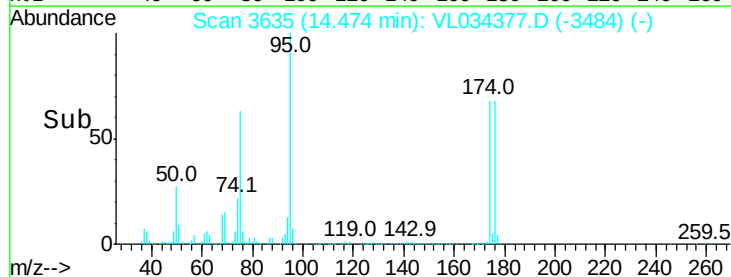
200000

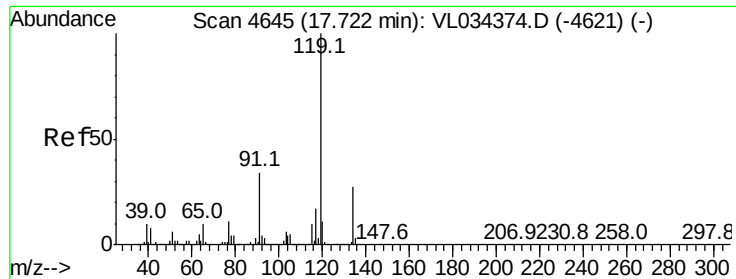
0

14.40

14.50

Time-->





#69

p-Isopropyltoluene

Concen: 0.092 ppbv

RT: 17.72 min Scan# 4643

Delta R.T. -0.02 min

Lab File: VL034377.D

Acq: 19 Nov 2019 11:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

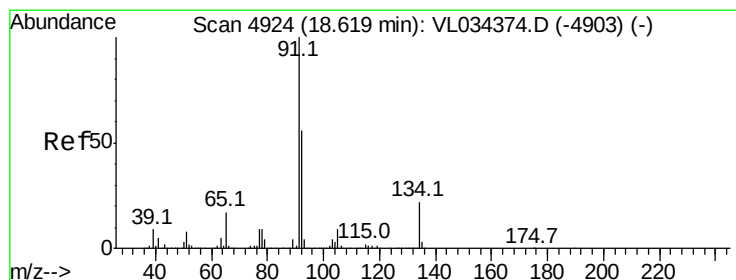
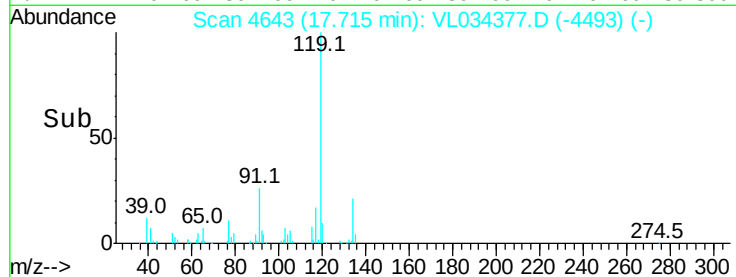
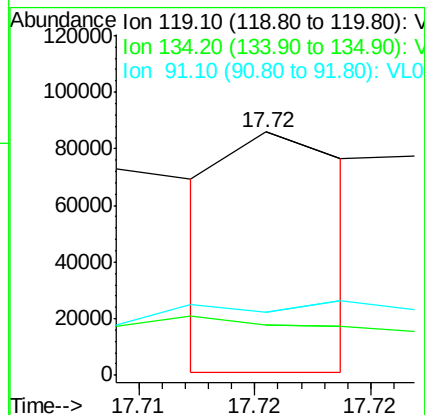
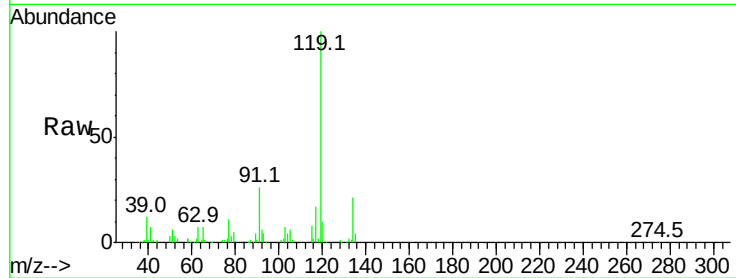
Tgt Ion: 119 Resp: 30987

Ion Ratio Lower Upper

119 100

134 149.2 21.3 31.9#

91 207.5 26.6 39.8#



#70

n-Butylbenzene

Concen: 0.585 ppbv

RT: 18.62 min Scan# 4923

Delta R.T. -0.01 min

Lab File: VL034377.D

Acq: 19 Nov 2019 11:46

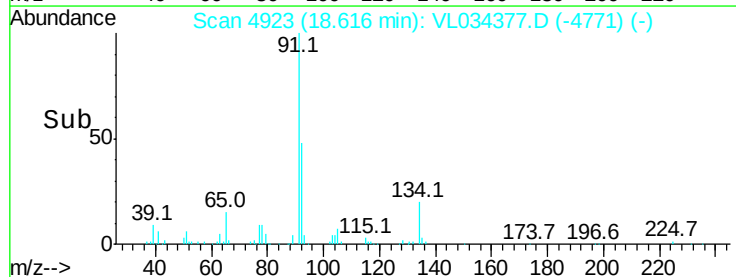
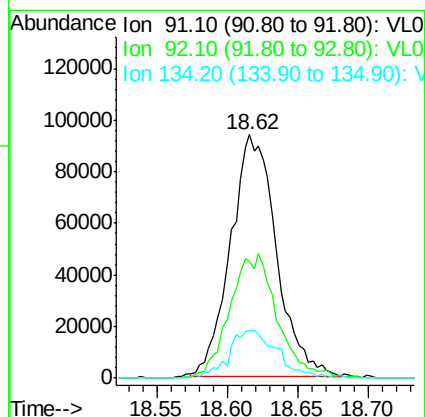
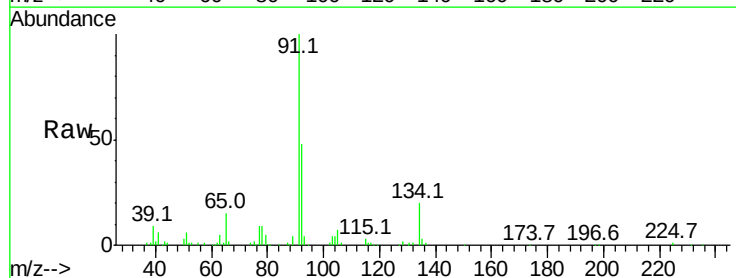
Tgt Ion: 91 Resp: 214213

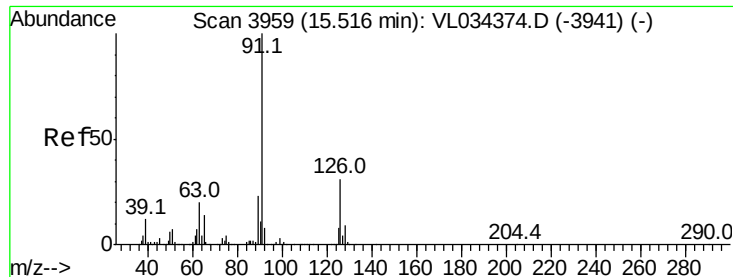
Ion Ratio Lower Upper

91 100

92 53.1 44.5 66.7

134 20.7 18.2 27.2





#71

2-Chlorotoluene

Concen: 0.239 ppbv

RT: 15.52 min Scan# 3960

Delta R.T. -0.01 min

Lab File: VL034377.D

Acq: 19 Nov 2019 11:46

Instrument :

MSVOA_L

ClientSampleId :

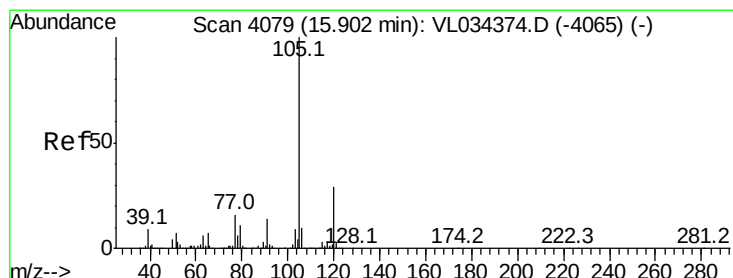
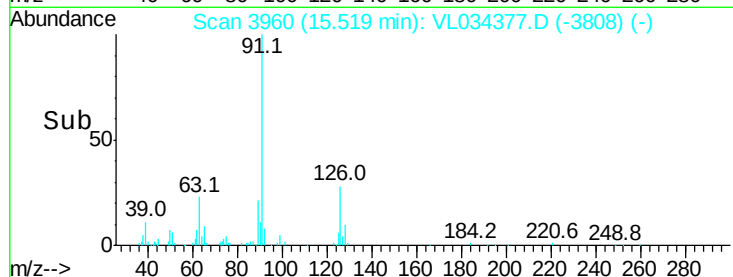
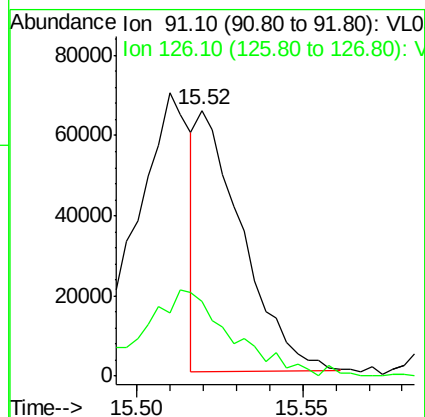
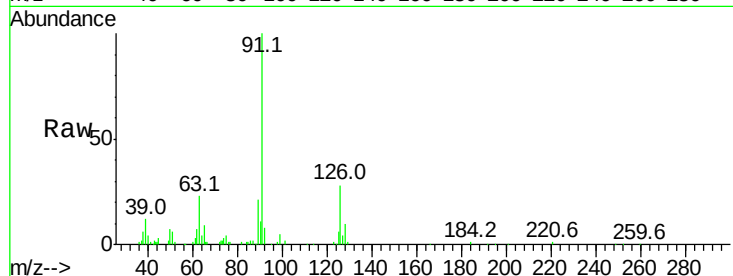
VSTDIC0.5

Tgt Ion: 91 Resp: 61472

Ion Ratio Lower Upper

91 100

126 0.0 11.9 47.5#



#72

4-Ethyltoluene

Concen: 0.592 ppbv

RT: 15.90 min Scan# 4077

Delta R.T. -0.02 min

Lab File: VL034377.D

Acq: 19 Nov 2019 11:46

Tgt Ion: 105 Resp: 166750

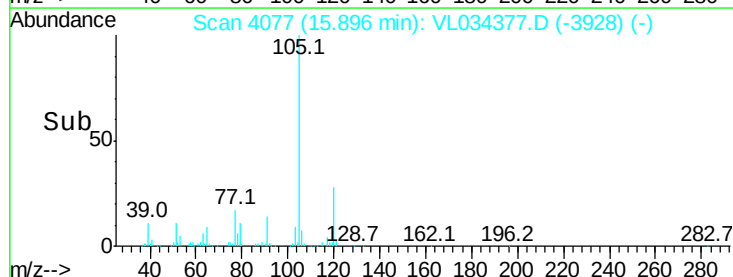
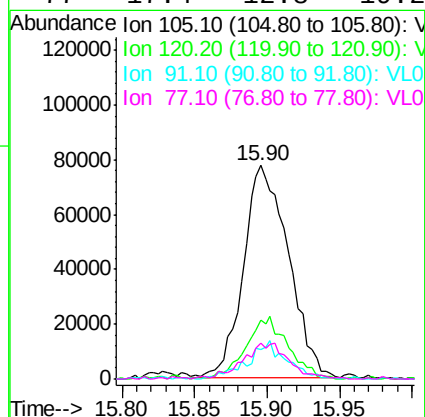
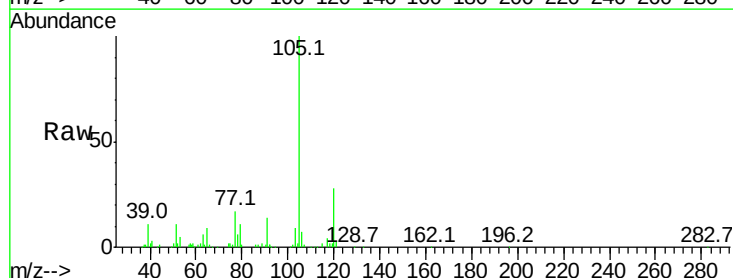
Ion Ratio Lower Upper

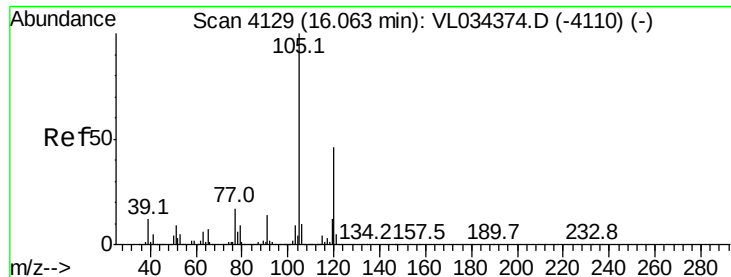
105 100

120 27.4 23.8 35.8

91 15.5 11.2 16.8

77 17.4 12.8 19.2





#73

1,3,5-Trimethylbenzene

Concen: 0.387 ppbv

RT: 16.05 min Scan# 4125

Delta R.T. -0.02 min

Lab File: VL034377.D

Acq: 19 Nov 2019 11:46

Instrument :

MSVOA_L

ClientSampleId :

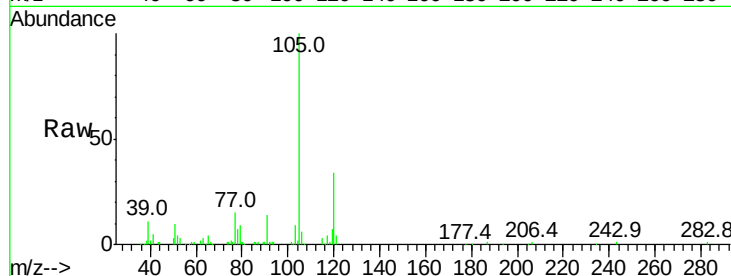
VSTDIC0.5

Tgt Ion:105 Resp: 108122

Ion Ratio Lower Upper

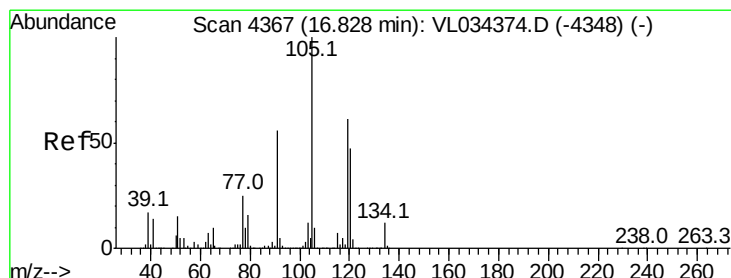
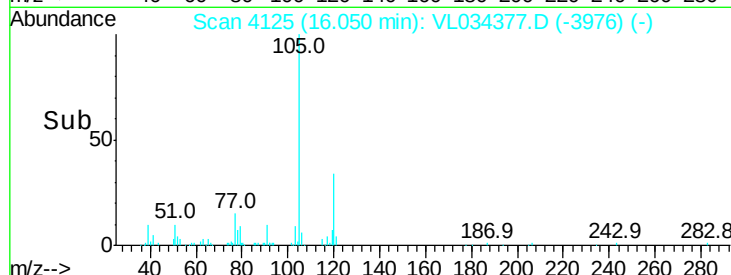
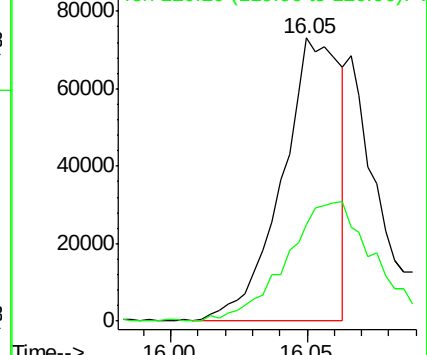
105 100

120 34.3 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: 0.378 ppbv

RT: 16.82 min Scan# 4366

Delta R.T. -0.02 min

Lab File: VL034377.D

Acq: 19 Nov 2019 11:46

Tgt Ion:105 Resp: 110084

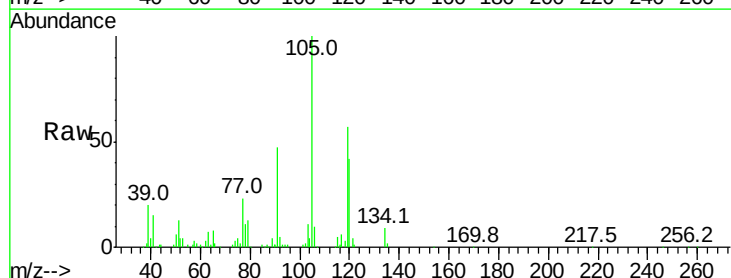
Ion Ratio Lower Upper

105 100

120 40.3 37.0 55.6

91 32.9 38.2 57.2#

77 19.3 19.0 28.4

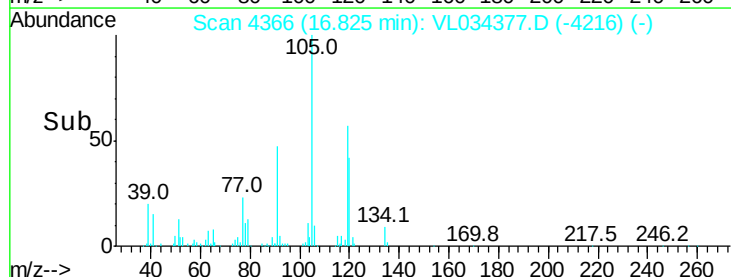
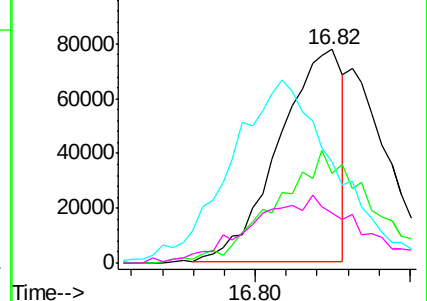


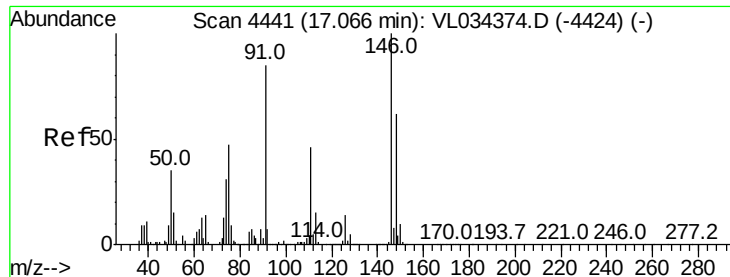
Abundance Ion 105.10 (104.80 to 105.80): V

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

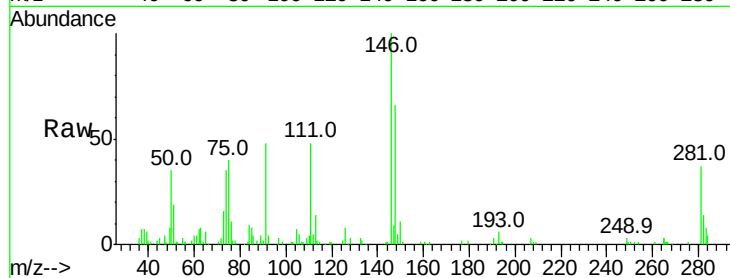




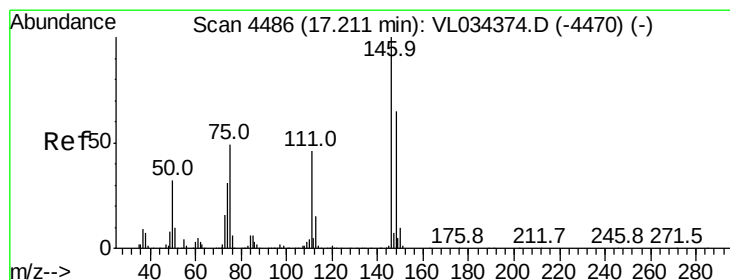
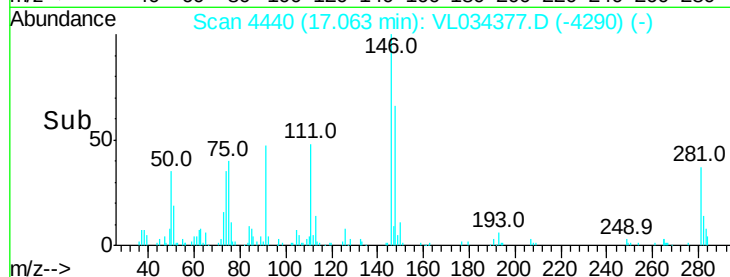
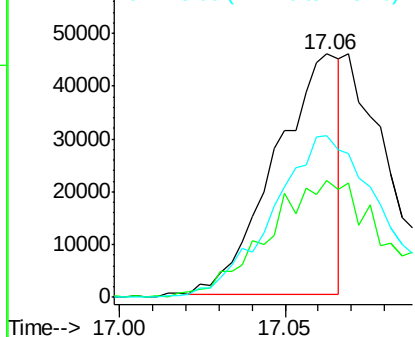
#75
 1,3-Dichlorobenzene
 Concen: 0.354 ppbv
 RT: 17.06 min Scan# 4440
 Delta R.T. -0.02 min
 Lab File: VL034377.D
 Acq: 19 Nov 2019 11:46

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion:146 Resp: 61911
 Ion Ratio Lower Upper
 146 100
 111 87.5 24.5 73.5#
 148 113.5 32.3 96.8#

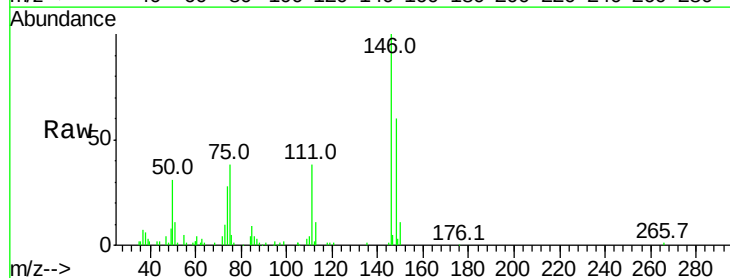


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

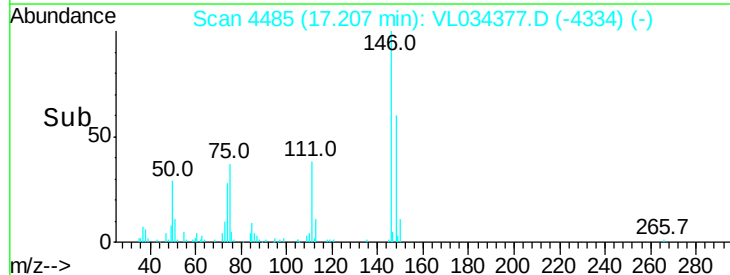
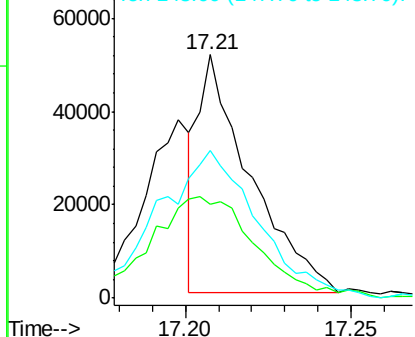


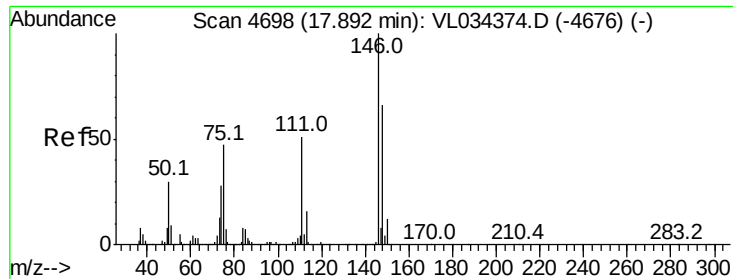
#76
 1,4-Dichlorobenzene
 Concen: 0.323 ppbv
 RT: 17.21 min Scan# 4485
 Delta R.T. -0.02 min
 Lab File: VL034377.D
 Acq: 19 Nov 2019 11:46

Tgt Ion:146 Resp: 55158
 Ion Ratio Lower Upper
 146 100
 111 90.6 23.9 71.7#
 148 124.8 33.1 99.2#



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





#77

1,2-Dichlorobenzene

Concen: 0.237 ppbv

RT: 17.88 min Scan# 4694

Delta R.T. -0.02 min

Lab File: VL034377.D

Acq: 19 Nov 2019 11:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

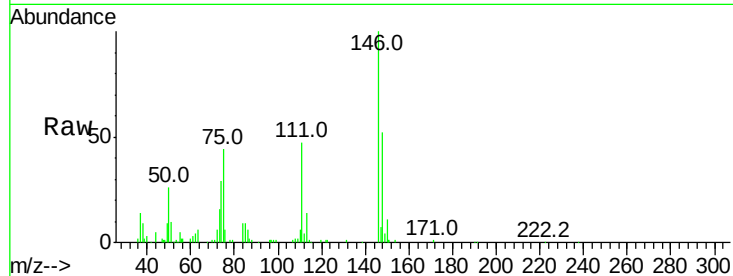
Tgt Ion:146 Resp: 40686

Ion Ratio Lower Upper

146 100

111 0.0 25.1 75.3#

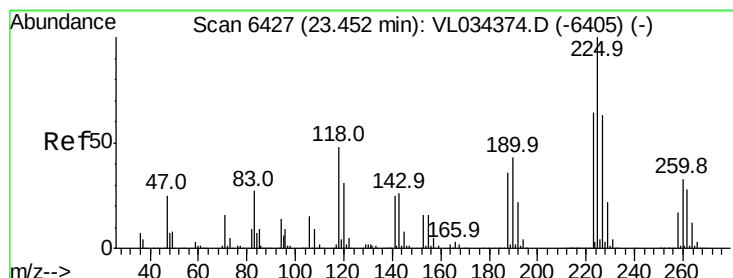
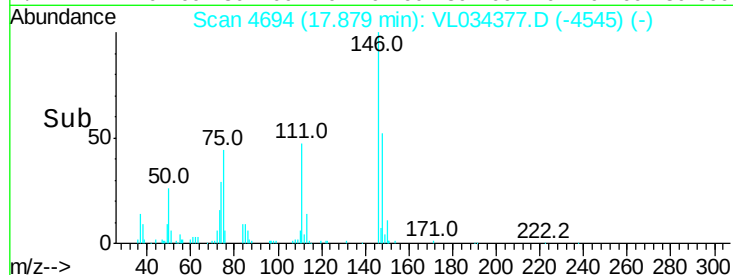
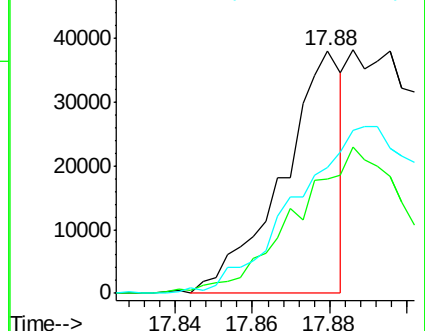
148 0.0 32.3 96.8#



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 0.181 ppbv

RT: 23.44 min Scan# 6422

Delta R.T. -0.03 min

Lab File: VL034377.D

Acq: 19 Nov 2019 11:46

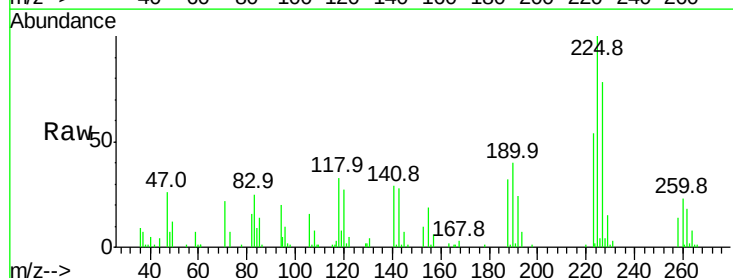
Tgt Ion:225 Resp: 25694

Ion Ratio Lower Upper

225 100

223 0.0 50.8 76.2#

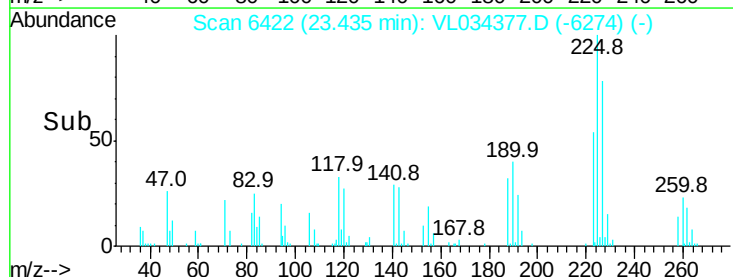
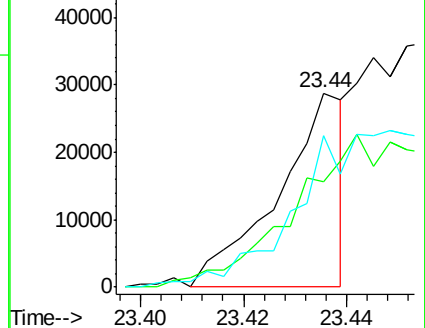
227 0.0 51.5 77.3#

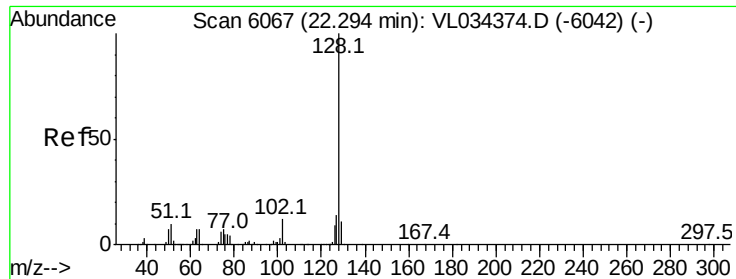


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 0.616 ppbv

RT: 22.30 min Scan# 6069

Delta R.T. -0.01 min

Lab File: VL034377.D

Acq: 19 Nov 2019 11:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

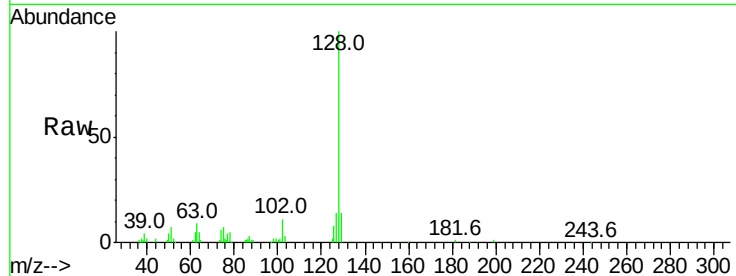
Tgt Ion:128 Resp: 131140

Ion Ratio Lower Upper

128 100

127 13.9 10.2 15.4

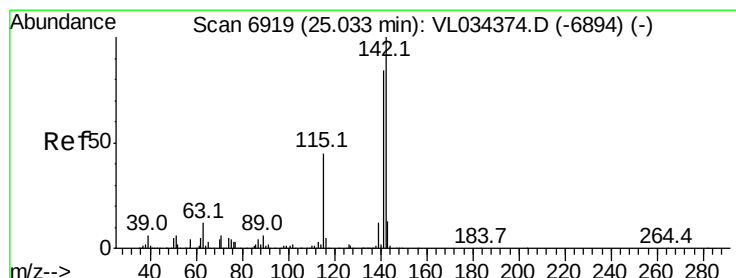
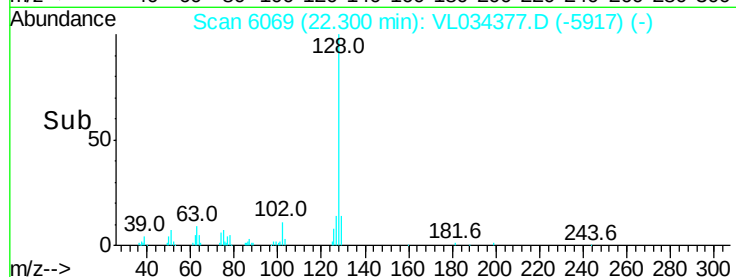
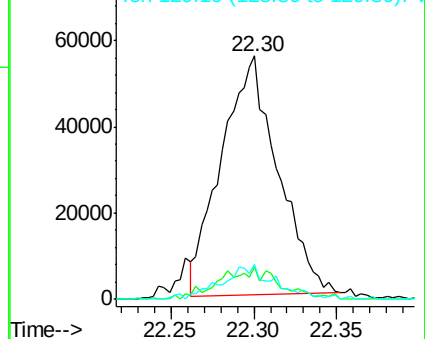
129 14.7 8.9 13.3#



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: 0.779 ppbv

RT: 25.04 min Scan# 6921

Delta R.T. -0.01 min

Lab File: VL034377.D

Acq: 19 Nov 2019 11:46

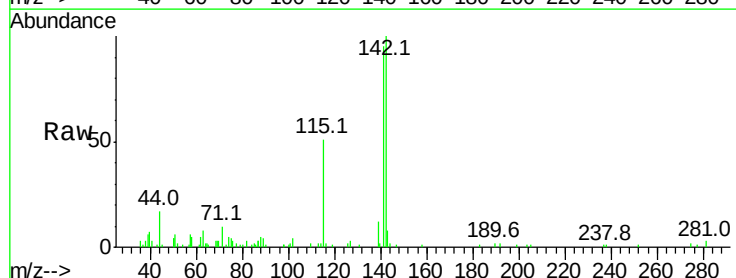
Tgt Ion:142 Resp: 47898

Ion Ratio Lower Upper

142 100

141 83.9 65.7 98.5

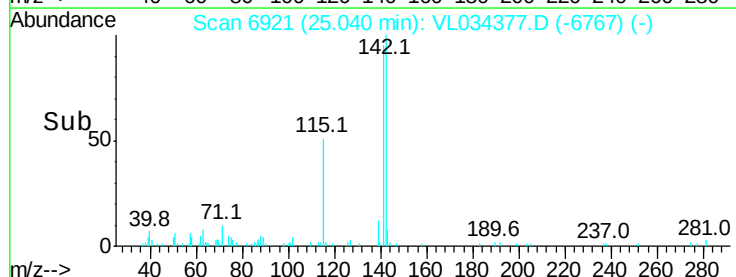
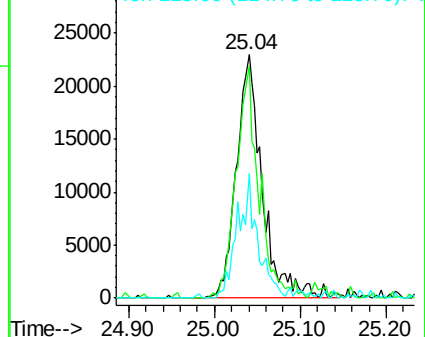
115 42.5 30.9 46.3

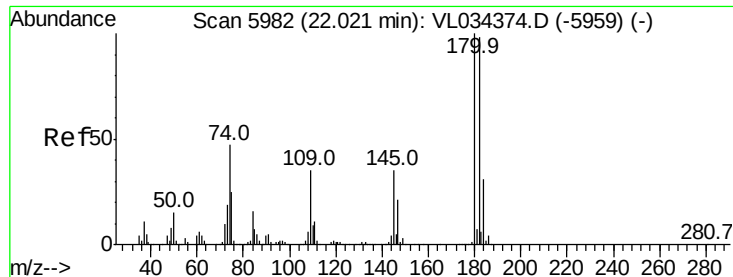


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 0.312 ppbv

RT: 22.02 min Scan# 5982

Delta R.T. -0.01 min

Lab File: VL034377.D

Acq: 19 Nov 2019 11:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion:180 Resp: 43320

Ion Ratio Lower Upper

180 100

182 0.0 77.8 116.8#

184 71.0 25.4 38.2#

