

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032119\
 Data File : VL033423.D
 Acq On : 21 Mar 2019 19:56
 Operator : SY/AP
 Sample : VL0321ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 22 08:45:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL031519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Mar 15 14:52:14 2019
 QLast Update : Fri Mar 15 14:52:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	751774	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	1793741	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	2683990	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.58	95	1615468	8.12	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	81.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.08	85	1578626	11.941	ppbv	100
3) Chlorodifluoromethane	3.02	51	935655	10.843	ppbv	98
4) Chloromethane	3.17	50	485421	10.389	ppbv	96
5) Vinyl Chloride	3.29	62	482793	10.016	ppbv	96
6) Bromomethane	3.52	94	310074	10.822	ppbv	95
7) Chloroethane	3.60	64	177330	10.528	ppbv	98
8) Dichlorotetrafluoroethane	3.22	85	1228973	10.919	ppbv	100
9) Propene	3.04	41	393722	10.222	ppbv	100
10) Heptane	8.25	43	1055046	11.043	ppbv	100
11) Trichlorofluoromethane	4.00	101	1410962	10.718	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.55	101	966576	11.066	ppbv	99
13) Ethanol	3.65	45	100947	5.497	ppbv	98
14) Bromoethene	3.79	108	392666	10.786	ppbv	99
15) Acetone	3.90	43	879680	7.528	ppbv	100
16) 1,3-Butadiene	3.36	39	426505	11.237	ppbv	94
17) tert-Butyl alcohol	4.36	59	184939	11.245	ppbv	98
18) 1,1-Dichloroethene	4.35	96	425085	10.644	ppbv	99
19) Isopropyl Alcohol	4.02	45	666780	11.995	ppbv	100
20) Methylene Chloride	4.41	84	353602	9.278	ppbv	98
21) Allyl Chloride	4.48	41	648840	11.446	ppbv	99
22) trans-1,2-Dichloroethene	4.97	96	442307	11.428	ppbv	98
23) Vinyl Acetate	5.16	43	1462134	10.813	ppbv	99
24) 1,1-Dichloroethane	5.09	63	1034617	10.595	ppbv	99
25) Ethyl Acetate	5.77	43	1745215	10.273	ppbv	100
26) Hexane	5.78	57	773408	10.184	ppbv	99
27) Carbon Disulfide	4.62	76	1050714	12.018	ppbv	100
28) Methyl tert-Butyl Ether	5.11	73	1227764	10.884	ppbv	99
29) Chloroform	5.85	83	1329646	10.693	ppbv	99
30) Cyclohexane	7.25	84	673070	11.054	ppbv	97
31) cis-1,2-Dichloroethene	5.64	61	826525	10.885	ppbv	99
32) 1,1,1-Trichloroethane	6.62	97	1322015	10.828	ppbv	99
34) 2-Butanone	5.33	43	1158665	9.836	ppbv	98
35) Carbon Tetrachloride	7.14	117	1414800	11.188	ppbv	100
36) Benzene	7.01	78	1632954	10.172	ppbv	98
37) 1,2-Dichloroethane	6.42	62	1041699	10.263	ppbv	99
38) Trichloroethene	7.97	130	648974	10.683	ppbv	98
39) 1,2-Dichloropropane	7.74	63	618086	10.281	ppbv	98
40) 1,4-Dioxane	7.96	88	259487	12.258	ppbv	66
41) Tetrahydrofuran	6.15	42	637094	10.134	ppbv	99
42) Bromodichloromethane	7.92	83	1485663	10.917	ppbv	99
43) Methyl Methacrylate	8.14	69	678201	10.850	ppbv	99

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 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

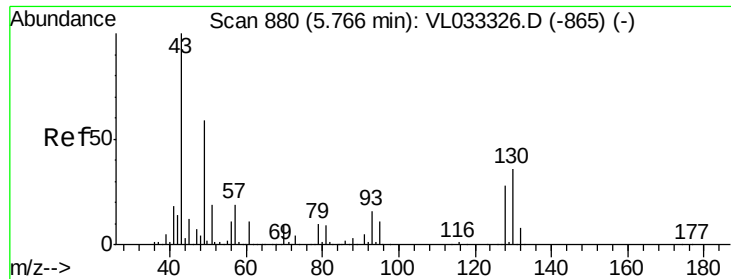
Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 22 08:45:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL031519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Mar 15 14:52:14 2019
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.99	57	2807164	10.558	ppbv	100
45) t-1,3-Dichloropropene	9.42	75	916464	11.876	ppbv	99
46) cis-1,3-Dichloropropene	8.84	75	1019972	11.225	ppbv	98
47) 1,1,2-Trichloroethane	9.62	97	693891	10.447	ppbv	96
48) Dibromochloromethane	10.45	129	1463998	13.142	ppbv	100
49) Bromoform	13.21	173	1295645	12.261	ppbv	100
50) 4-Methyl-2-Pentanone	8.87	43	1696554	10.196	ppbv	100
51) 2-Hexanone	10.27	43	1539439	11.992	ppbv #	100
52) Tetrachloroethene	11.38	164	719893	10.764	ppbv	99
53) Toluene	9.95	91	2254374	12.359	ppbv	99
54) 1,2-Dibromoethane	10.76	107	1282815	11.425	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.28	131	1030198	8.580	ppbv	96
57) Chlorobenzene	12.30	112	1699627	7.995	ppbv	98
58) Ethyl Benzene	12.87	91	3196228	8.418	ppbv	98
59) m/p-Xylene	13.13	91	2692756	8.252	ppbv #	100
60) o-Xylene	13.85	91	2638865	8.290	ppbv	100
61) Styrene	13.69	104	1929000	8.655	ppbv	99
62) Isopropylbenzene	14.83	105	3672122	8.298	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.84	83	1815881	7.891	ppbv	100
64) n-propylbenzene	15.73	120	942703	8.418	ppbv	98
65) tert-Butylbenzene	16.91	119	3280851	8.234	ppbv	100
66) Benzyl Chloride	17.16	91	1634071	9.925	ppbv	100
67) sec-Butylbenzene	17.46	105	4664291	8.261	ppbv	100
69) p-Isopropyltoluene	17.82	119	3835695	8.316	ppbv	99
70) n-Butylbenzene	18.71	91	4013747	8.161	ppbv	100
71) 2-Chlorotoluene	15.62	91	2823542	8.196	ppbv	100
72) 4-Ethyltoluene	16.00	105	3026025	8.371	ppbv	99
73) 1,3,5-Trimethylbenzene	16.16	105	2921413	8.296	ppbv	98
74) 1,2,4-Trimethylbenzene	16.93	105	3005076	8.057	ppbv	96
75) 1,3-Dichlorobenzene	17.17	146	1710338	7.780	ppbv	100
76) 1,4-Dichlorobenzene	17.31	146	1709505	8.032	ppbv	100
77) 1,2-Dichlorobenzene	17.99	146	1658151	7.964	ppbv	100
78) Hexachloro-1,3-Butadiene	23.55	225	944113	7.564	ppbv	100
79) Naphthalene	22.42	128	2597979	7.228	ppbv	99
80) Naphthalene, 2-methyl-	25.11	142	841476	4.937	ppbv	99
81) 1,2,4-Trichlorobenzene	22.14	180	1351036	7.371	ppbv	99

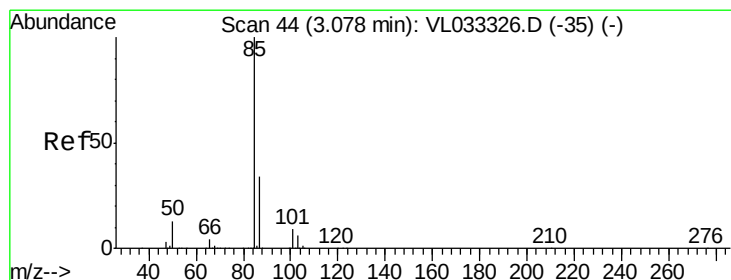
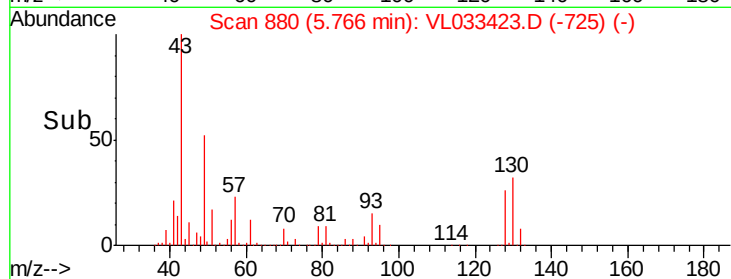
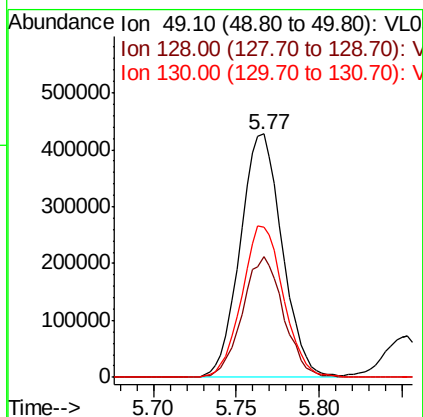
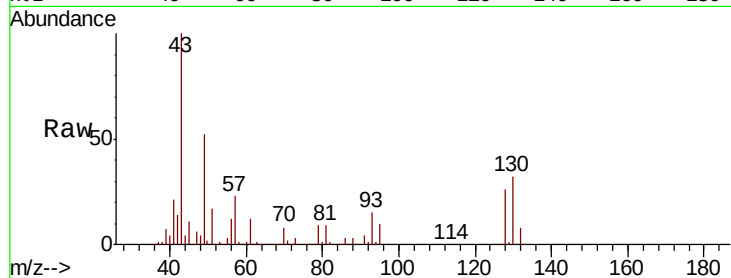
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.77 min Scan# 880
 Delta R.T. -0.00 min
 Lab File: VL033423.D
 Acq: 21 Mar 2019 19:56

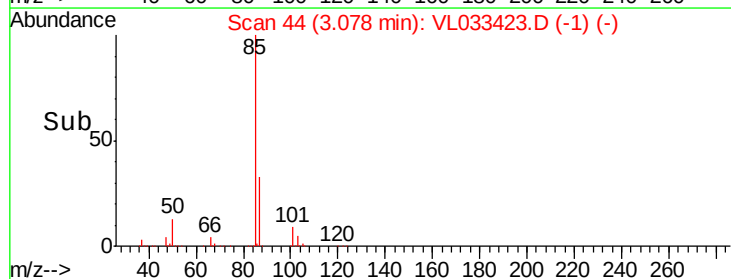
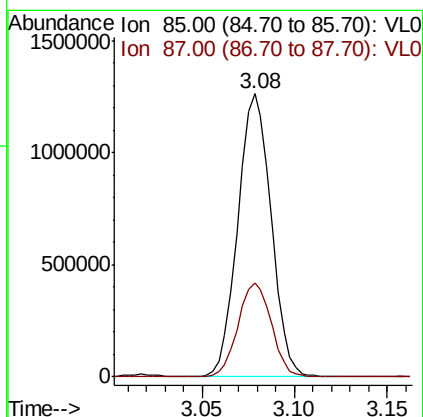
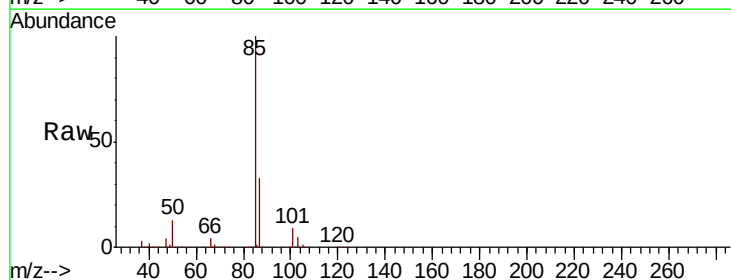
Instrument :
 MSVOA_L
 ClientSampleId :

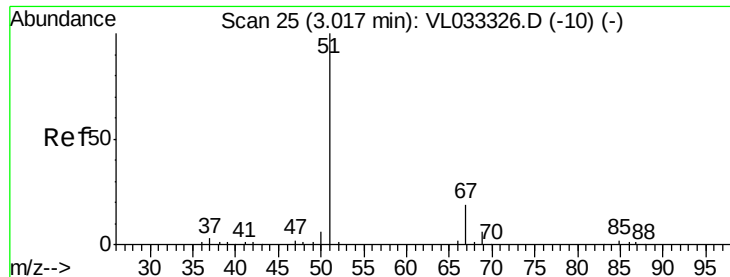
Tot Ion: 49 Resp: 751774
 Ion Ratio Lower Upper
 49 100
 128 48.7 23.5 70.6
 130 61.9 30.1 90.3



#2
 Dichlorodifluoromethane
 Concen: 11.941 ppbv
 RT: 3.08 min Scan# 44
 Delta R.T. -0.00 min
 Lab File: VL033423.D
 Acq: 21 Mar 2019 19:56

Tgt Ion: 85 Resp: 1578626
 Ion Ratio Lower Upper
 85 100
 87 33.3 26.9 40.3





#3

Chlorodifluoromethane

Concen: 10.843 ppbv

RT: 3.02 min Scan# 25

Delta R.T. -0.00 min

Lab File: VL033423.D

Acq: 21 Mar 2019 19:56

Instrument :

MSVOA_L

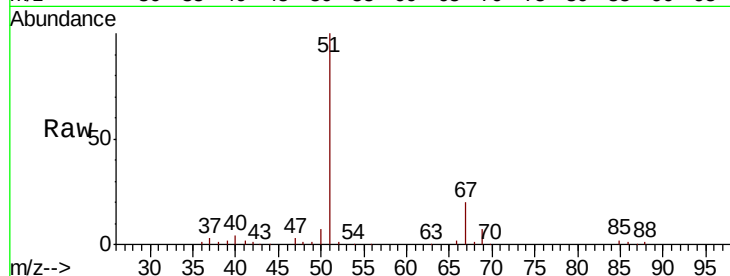
ClientSampleId :

Tot Ion: 51 Resp: 935655

Ion Ratio Lower Upper

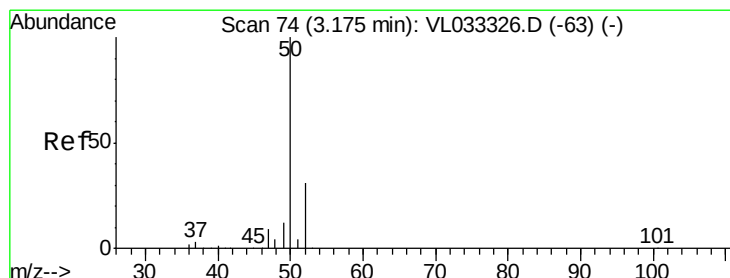
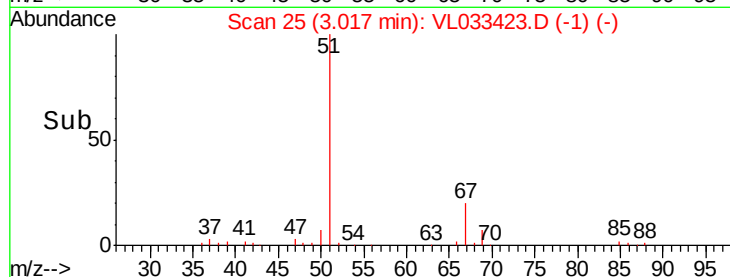
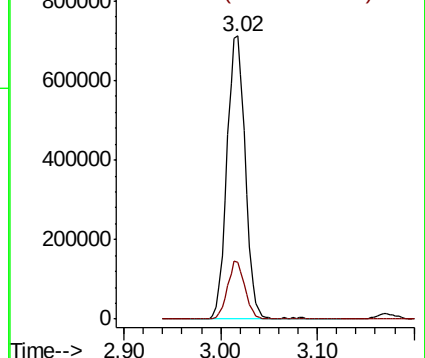
51 100

67 19.5 14.9 22.3



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 10.389 ppbv

RT: 3.17 min Scan# 73

Delta R.T. -0.00 min

Lab File: VL033423.D

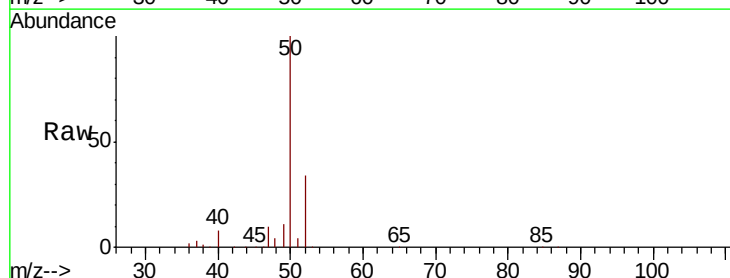
Acq: 21 Mar 2019 19:56

Tgt Ion: 50 Resp: 485421

Ion Ratio Lower Upper

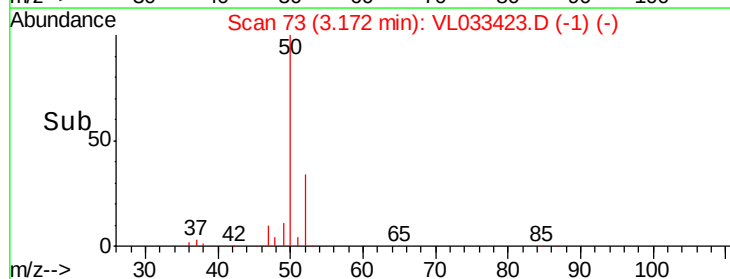
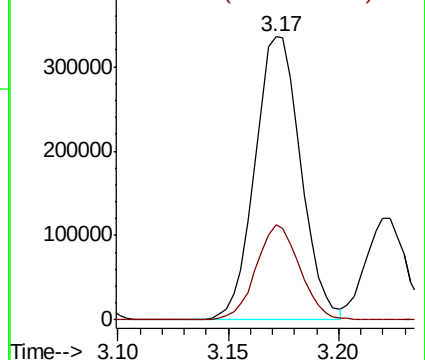
50 100

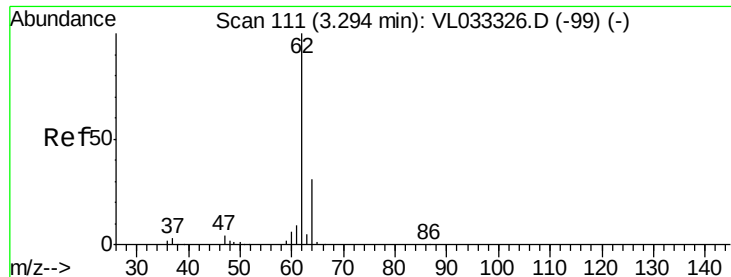
52 33.6 25.0 37.6



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 10.016 ppbv

RT: 3.29 min Scan# 111

Delta R.T. -0.00 min

Lab File: VL033423.D

Acq: 21 Mar 2019 19:56

Instrument :

MSVOA_L

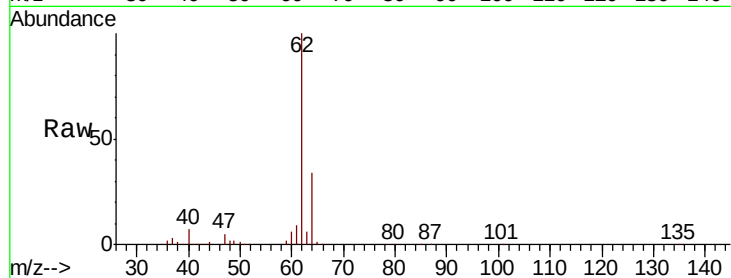
ClientSampleId :

Tot Ion: 62 Resp: 482793

Ion Ratio Lower Upper

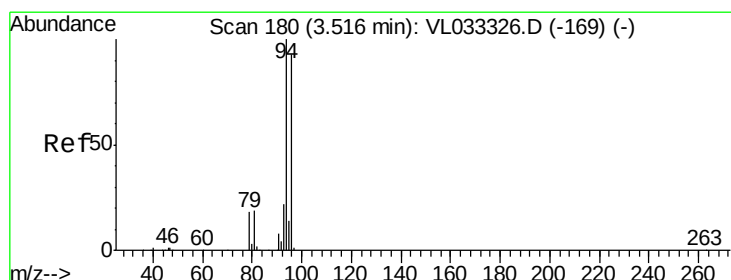
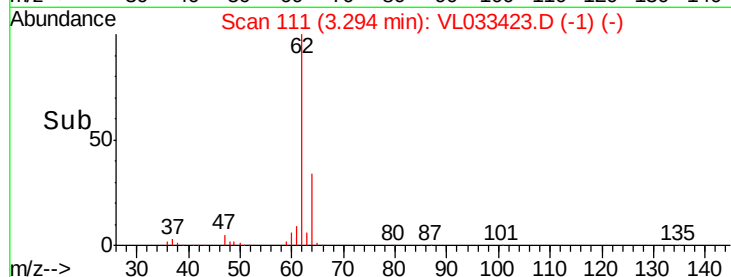
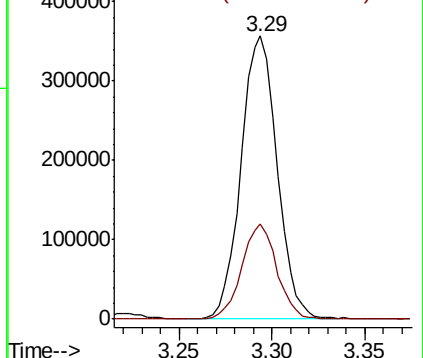
62 100

64 33.6 25.0 37.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 10.822 ppbv

RT: 3.52 min Scan# 180

Delta R.T. -0.00 min

Lab File: VL033423.D

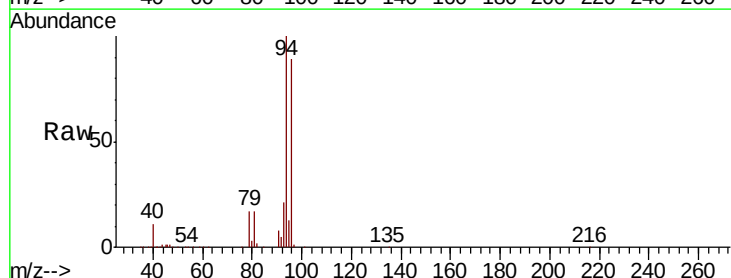
Acq: 21 Mar 2019 19:56

Tgt Ion: 94 Resp: 310074

Ion Ratio Lower Upper

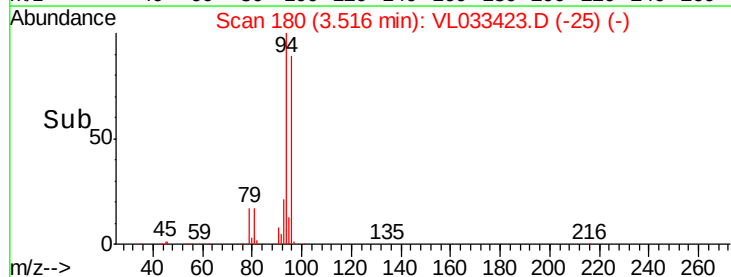
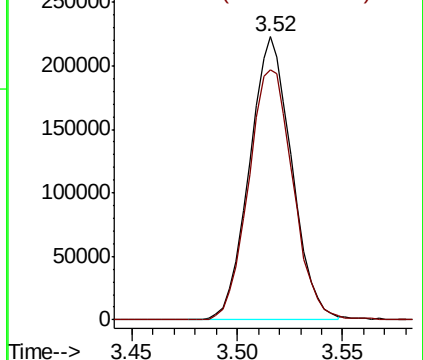
94 100

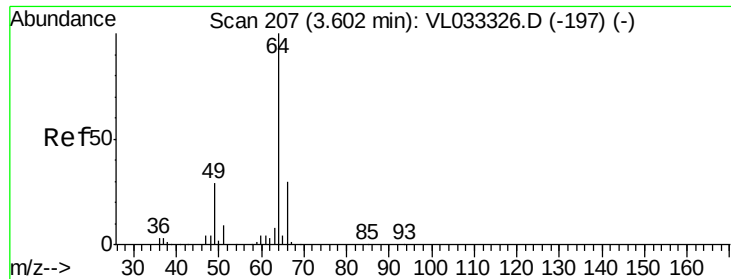
96 88.6 74.6 111.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.528 ppbv

RT: 3.60 min Scan# 207

Delta R.T. -0.00 min

Lab File: VL033423.D

Acq: 21 Mar 2019 19:56

Instrument :

MSVOA_L

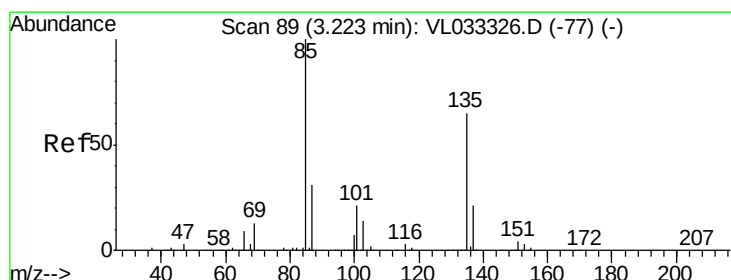
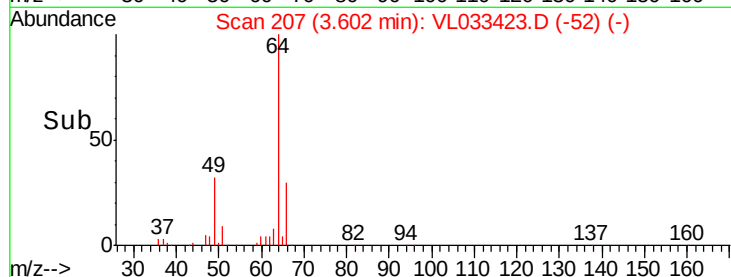
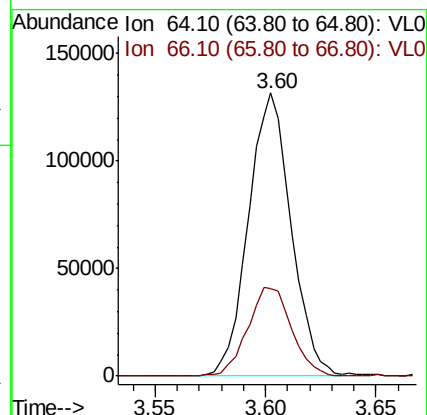
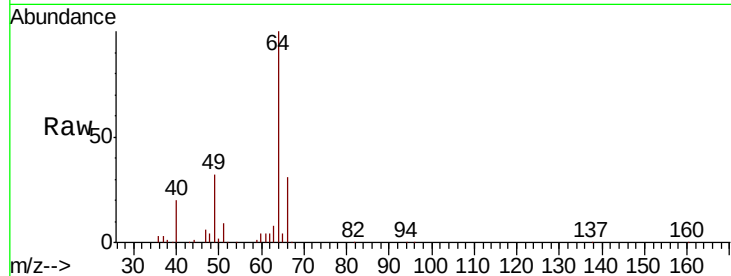
ClientSampleId :

Tot Ion: 64 Resp: 177330

Ion Ratio Lower Upper

64 100

66 30.9 24.0 36.0



#8

Dichlorotetrafluoroethane

Concen: 10.919 ppbv

RT: 3.22 min Scan# 88

Delta R.T. -0.00 min

Lab File: VL033423.D

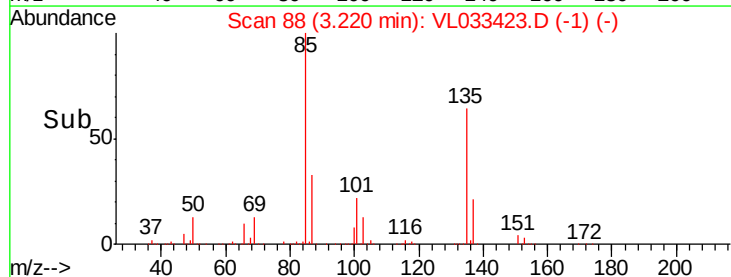
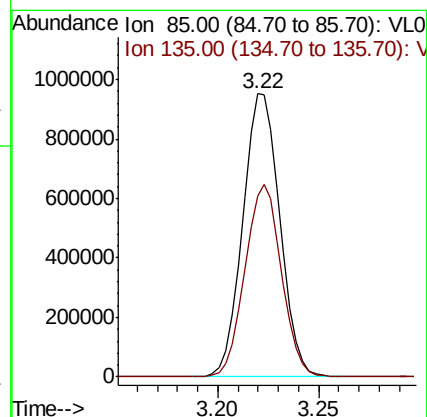
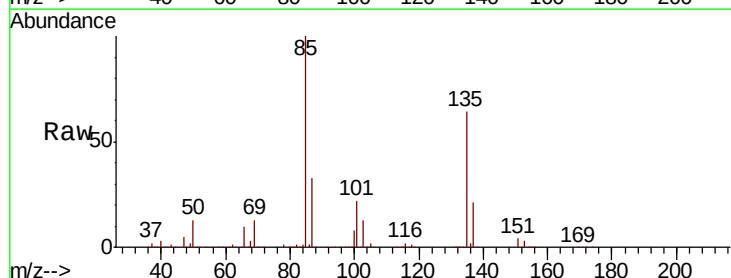
Acq: 21 Mar 2019 19:56

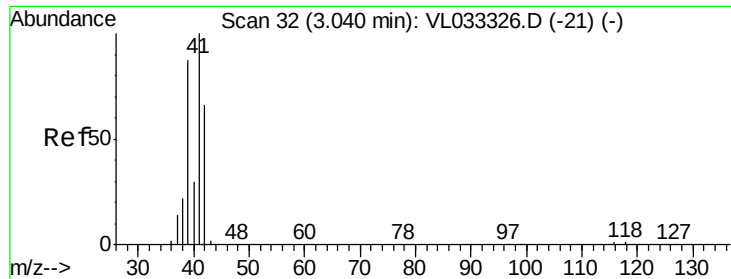
Tgt Ion: 85 Resp: 1228973

Ion Ratio Lower Upper

85 100

135 67.0 53.4 80.2





#9

Propene

Concen: 10.222 ppbv

RT: 3.04 min Scan# 31

Delta R.T. -0.00 min

Lab File: VL033423.D

Acq: 21 Mar 2019 19:56

Instrument :

MSVOA_L

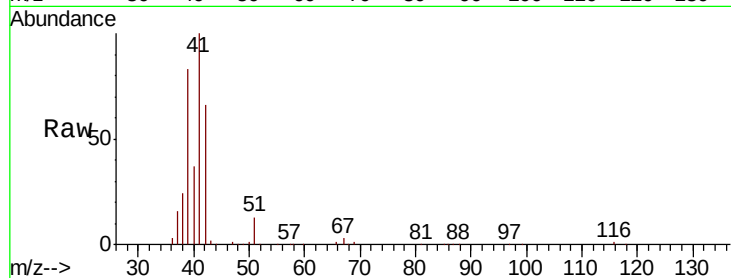
ClientSampleId :

Tot Ion: 41 Resp: 393722

Ion Ratio Lower Upper

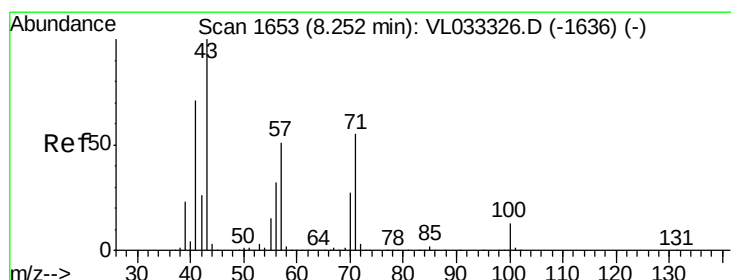
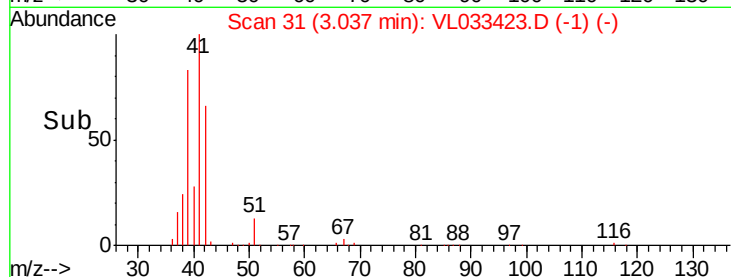
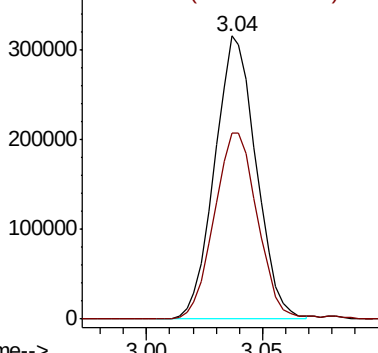
41 100

42 69.2 55.2 82.8



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 11.043 ppbv

RT: 8.25 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VL033423.D

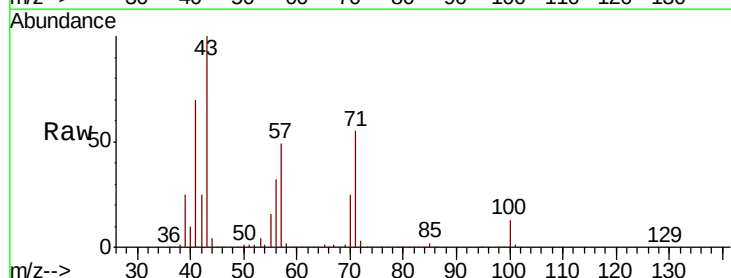
Acq: 21 Mar 2019 19:56

Tgt Ion: 43 Resp: 1055046

Ion Ratio Lower Upper

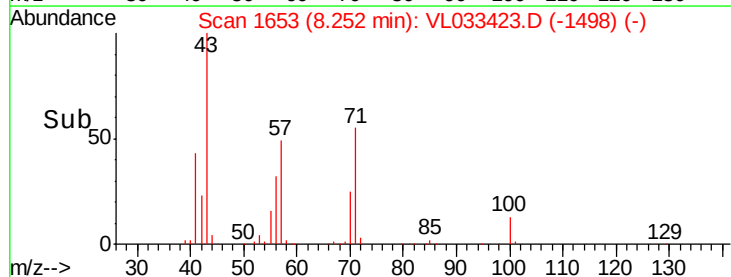
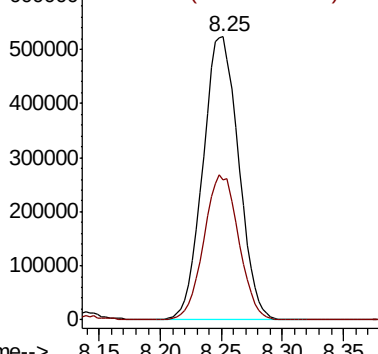
43 100

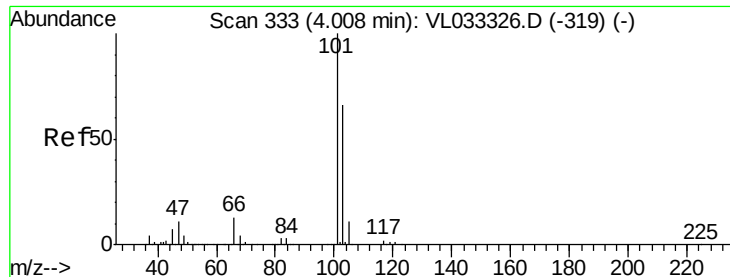
57 50.3 40.4 60.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

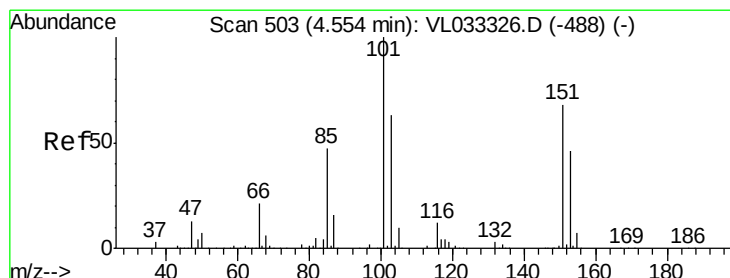
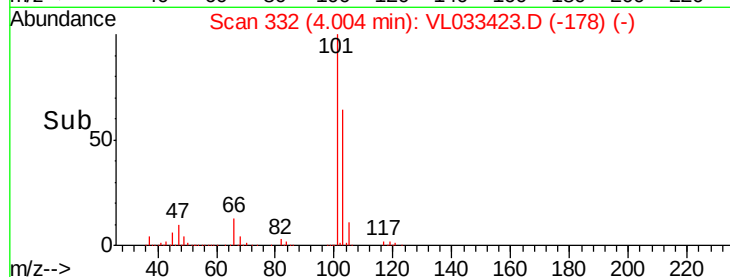
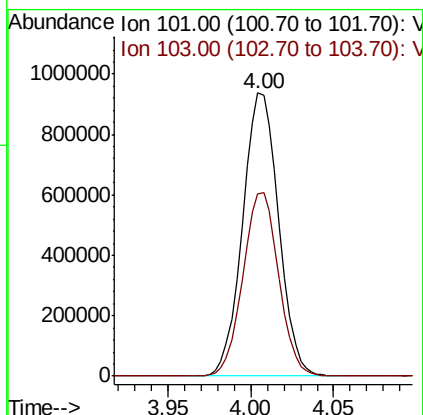
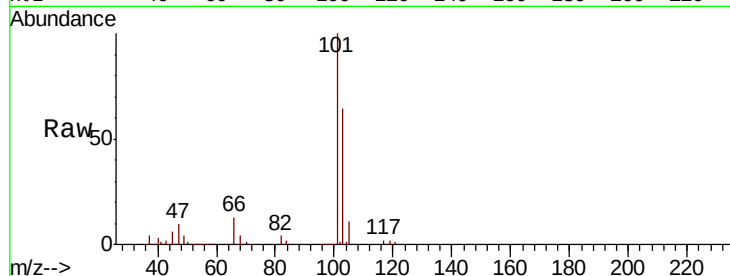




#11
 Trichlorofluoromethane
 Concen: 10.718 ppbv
 RT: 4.00 min Scan# 332
 Delta R.T. -0.00 min
 Lab File: VL033423.D
 Acq: 21 Mar 2019 19:56

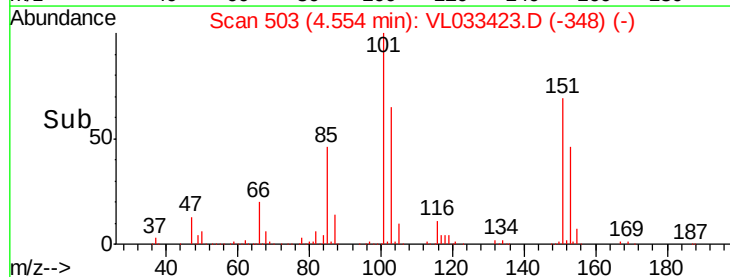
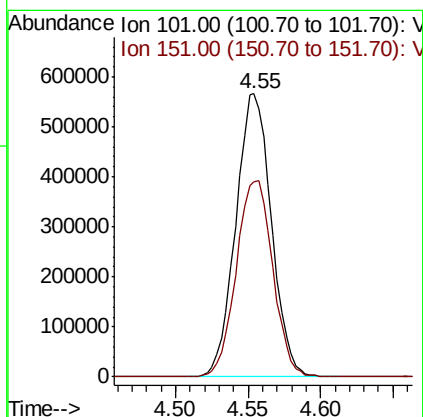
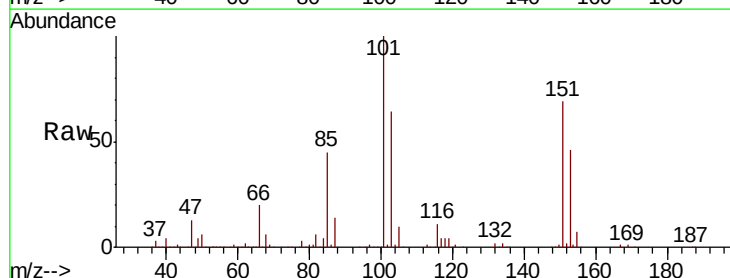
Instrument :
 MSVOA_L
 ClientSampleId :

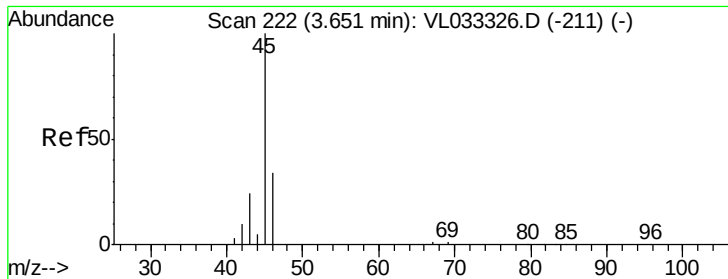
Tot Ion:101 Resp: 1410962
 Ion Ratio Lower Upper
 101 100
 103 64.5 52.9 79.3



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 11.066 ppbv
 RT: 4.55 min Scan# 503
 Delta R.T. -0.00 min
 Lab File: VL033423.D
 Acq: 21 Mar 2019 19:56

Tgt Ion:101 Resp: 966576
 Ion Ratio Lower Upper
 101 100
 151 71.2 56.3 84.5





#13

Ethanol

Concen: 5.497 ppbv

RT: 3.65 min Scan# 222

Delta R.T. -0.00 min

Lab File: VL033423.D

Acq: 21 Mar 2019 19:56

Instrument :

MSVOA_L

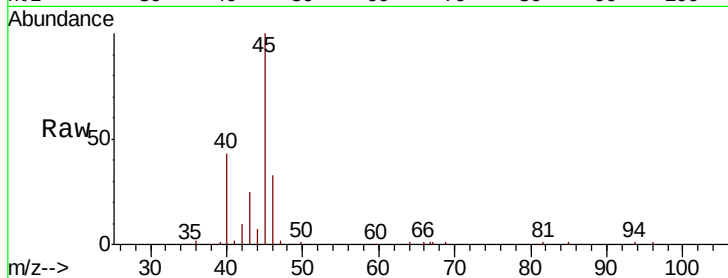
ClientSampleId :

Tot Ion: 45 Resp: 100947

Ion Ratio Lower Upper

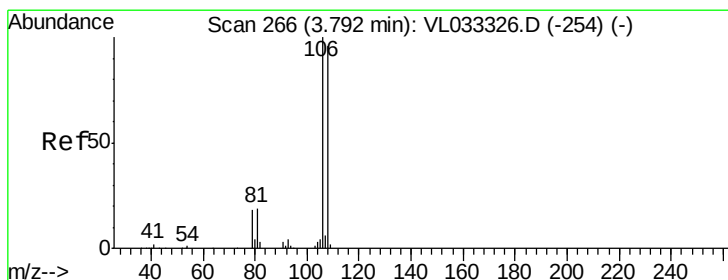
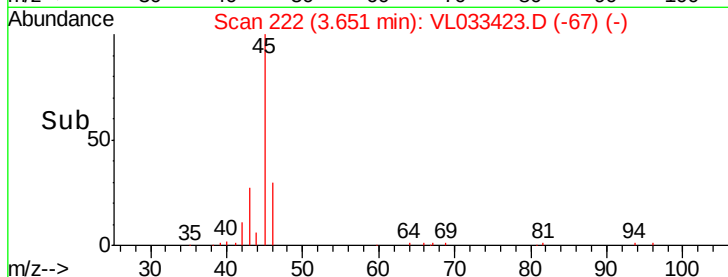
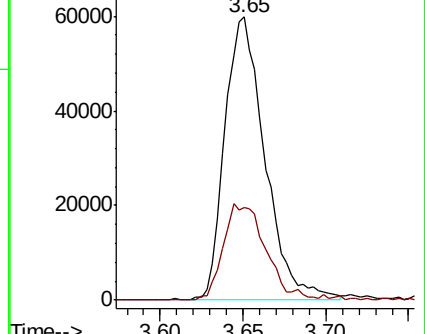
45 100

46 36.3 14.9 59.7



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 10.786 ppbv

RT: 3.79 min Scan# 265

Delta R.T. -0.00 min

Lab File: VL033423.D

Acq: 21 Mar 2019 19:56

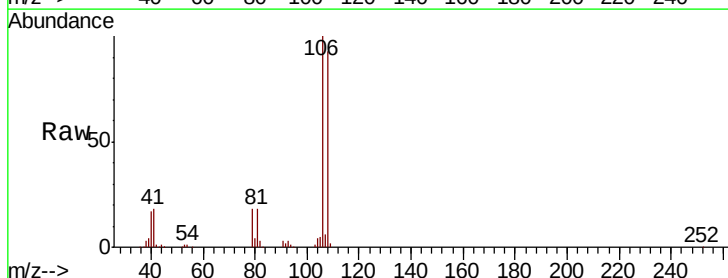
Tgt Ion: 108 Resp: 392666

Ion Ratio Lower Upper

108 100

106 106.1 86.2 129.2

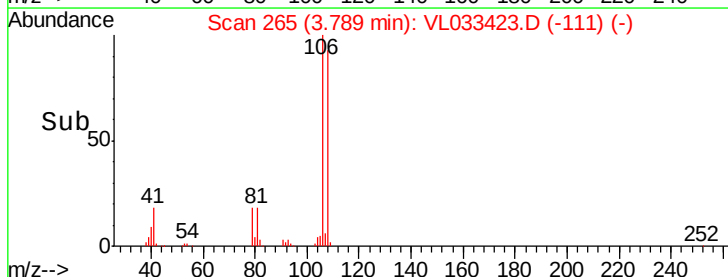
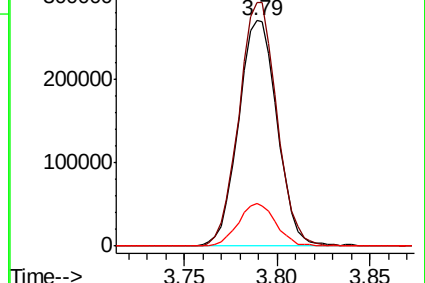
79 18.8 15.4 23.2

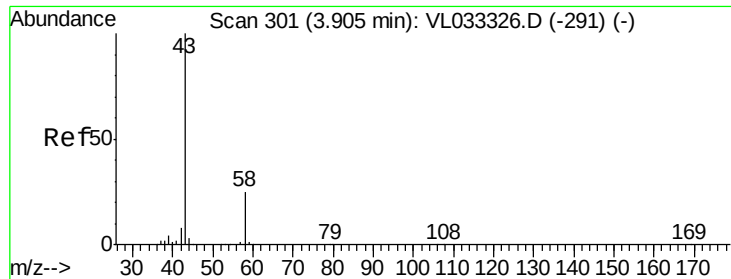


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#15

Acetone

Concen: 7.528 ppbv

RT: 3.90 min Scan# 300

Delta R.T. -0.00 min

Lab File: VL033423.D

Acq: 21 Mar 2019 19:56

Instrument :

MSVOA_L

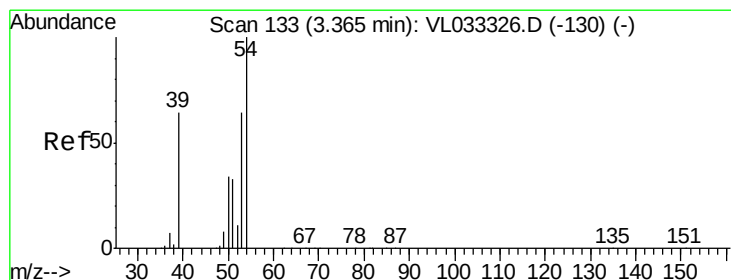
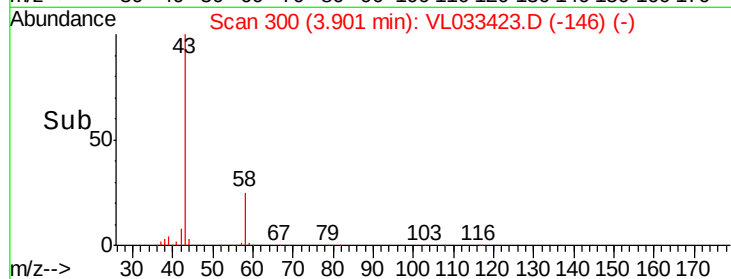
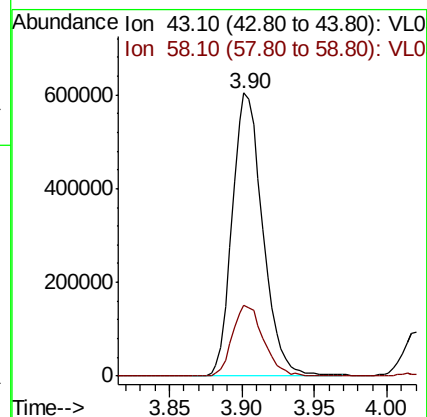
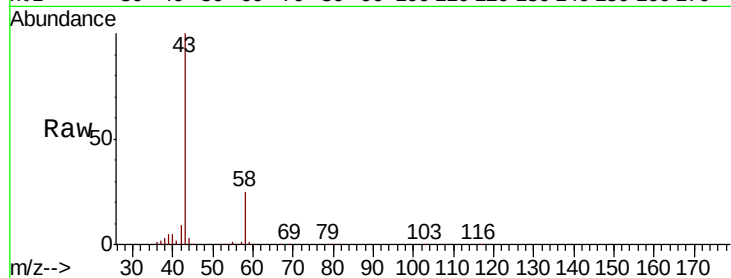
ClientSampleId :

Tot Ion: 43 Resp: 879680

Ion Ratio Lower Upper

43 100

58 25.7 20.4 30.6



#16

1,3-Butadiene

Concen: 11.237 ppbv

RT: 3.36 min Scan# 133

Delta R.T. -0.00 min

Lab File: VL033423.D

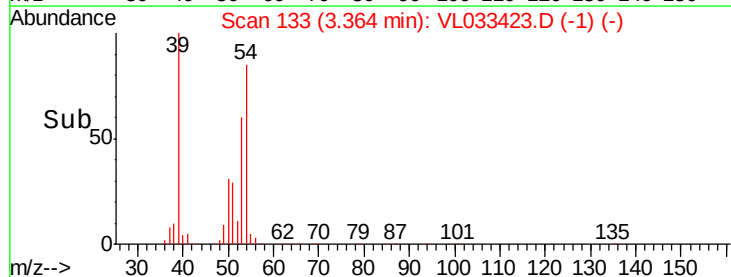
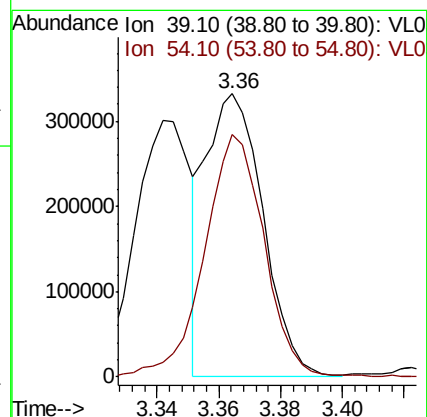
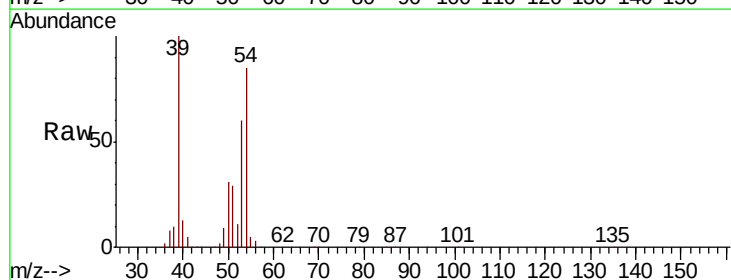
Acq: 21 Mar 2019 19:56

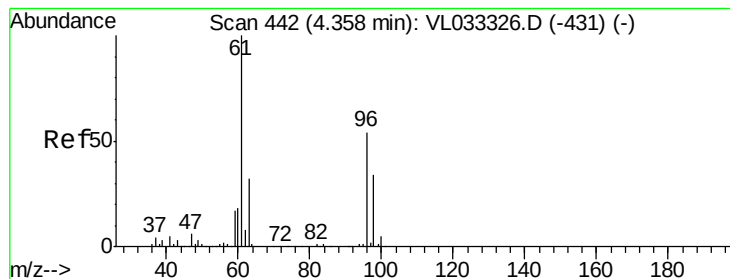
Tgt Ion: 39 Resp: 426505

Ion Ratio Lower Upper

39 100

54 90.1 76.8 115.2





#17

tert-Butyl alcohol

Concen: 11.245 ppbv

RT: 4.36 min Scan# 442

Delta R.T. -0.00 min

Lab File: VL033423.D

Acq: 21 Mar 2019 19:56

Instrument :

MSVOA_L

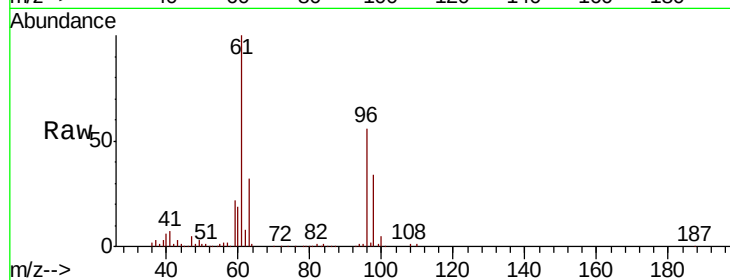
ClientSampled :

Tot Ion: 59 Resp: 184939

Ion Ratio Lower Upper

59 100

57 9.0 7.7 11.5



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.36

100000

80000

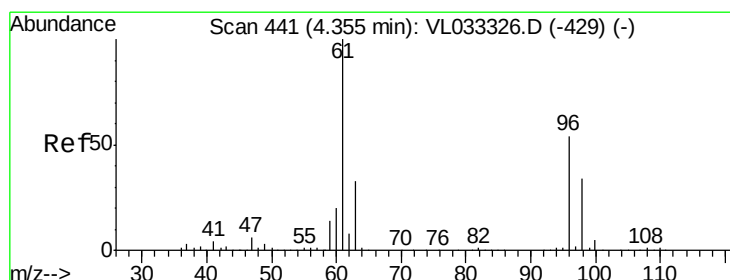
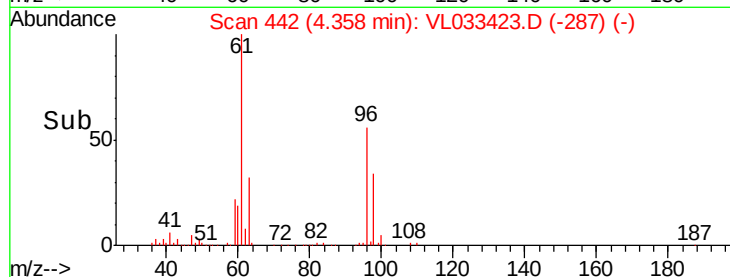
60000

40000

20000

0

Time-->



#18

1,1-Dichloroethene

Concen: 10.644 ppbv

RT: 4.35 min Scan# 440

Delta R.T. -0.00 min

Lab File: VL033423.D

Acq: 21 Mar 2019 19:56

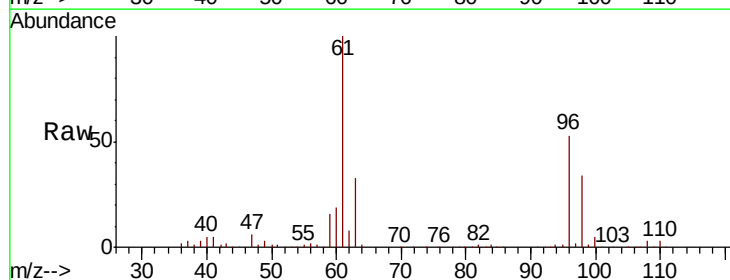
Tgt Ion: 96 Resp: 425085

Ion Ratio Lower Upper

96 100

61 187.7 148.6 222.8

98 64.0 50.3 75.5



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

4.35

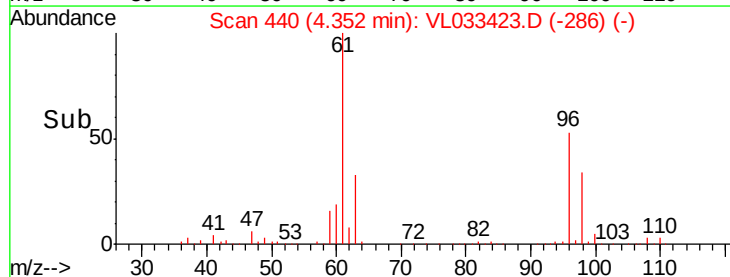
600000

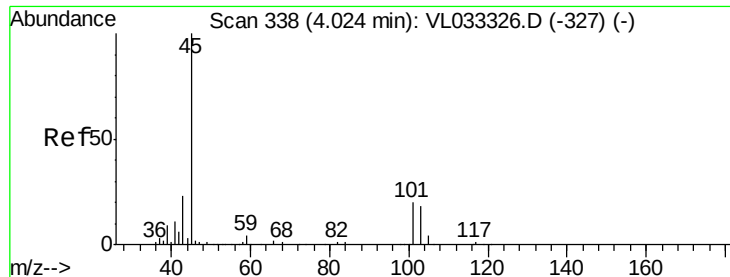
400000

200000

0

Time-->



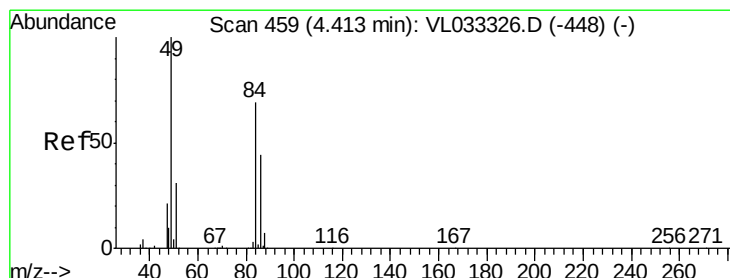
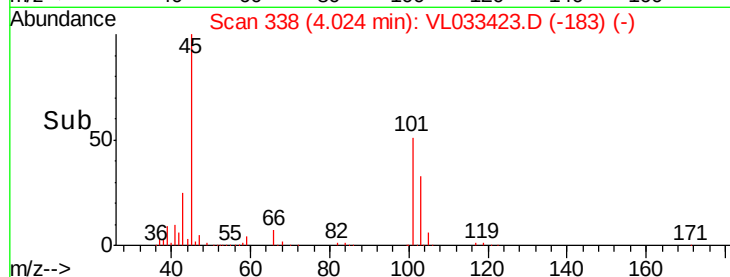
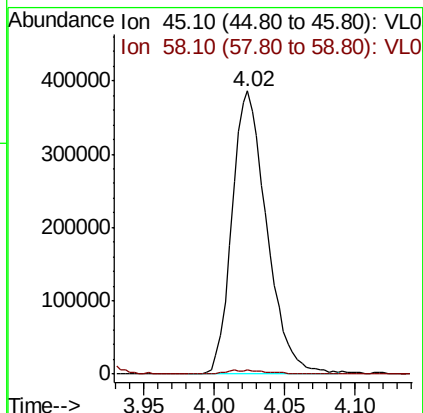
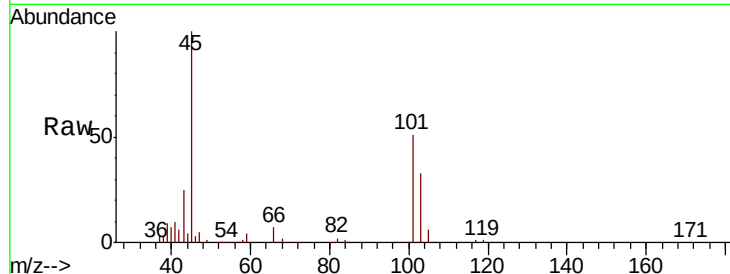


#19

Isopropyl Alcohol
 Concen: 11.995 ppbv
 RT: 4.02 min Scan# 338
 Delta R.T. -0.00 min
 Lab File: VL033423.D
 Acq: 21 Mar 2019 19:56

Instrument :
 MSVOA_L
 ClientSampled :

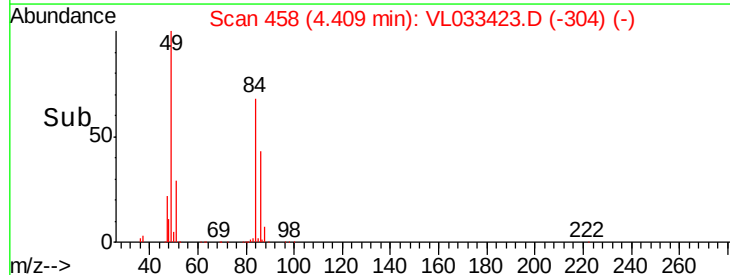
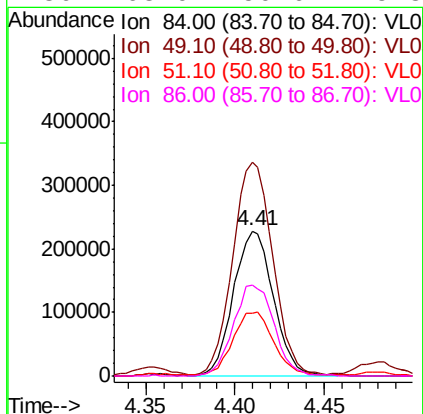
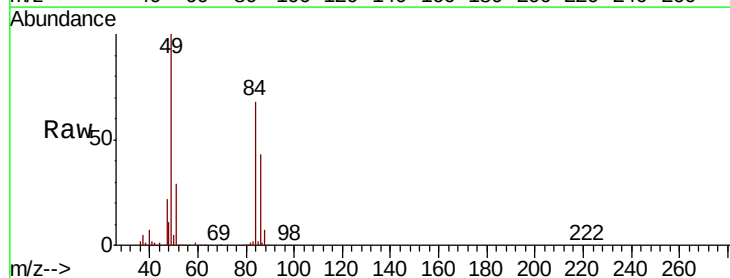
Tot Ion: 45 Resp: 666780
 Ion Ratio Lower Upper
 45 100
 58 2.0 1.5 2.3

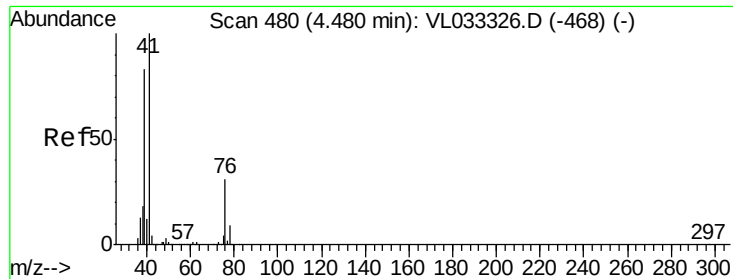


#20

Methylene Chloride
 Concen: 9.278 ppbv
 RT: 4.41 min Scan# 458
 Delta R.T. -0.00 min
 Lab File: VL033423.D
 Acq: 21 Mar 2019 19:56

Tgt Ion: 84 Resp: 353602
 Ion Ratio Lower Upper
 84 100
 49 146.8 115.4 173.0
 51 42.8 35.8 53.6
 86 63.0 50.6 75.8

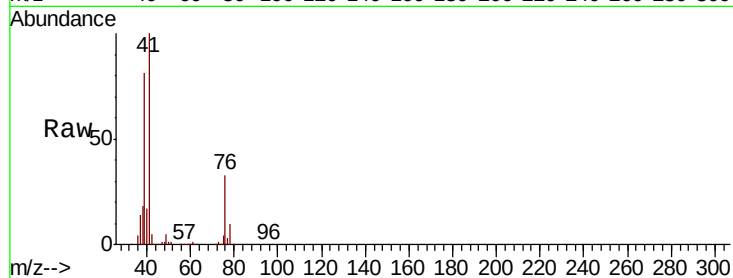




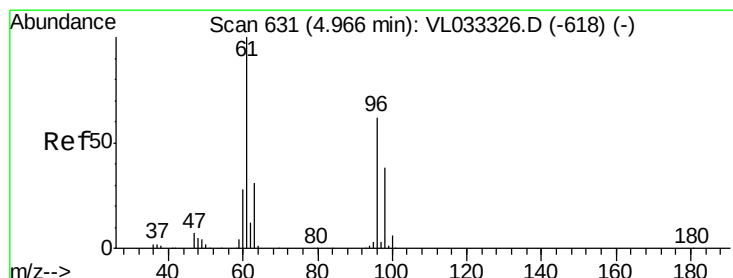
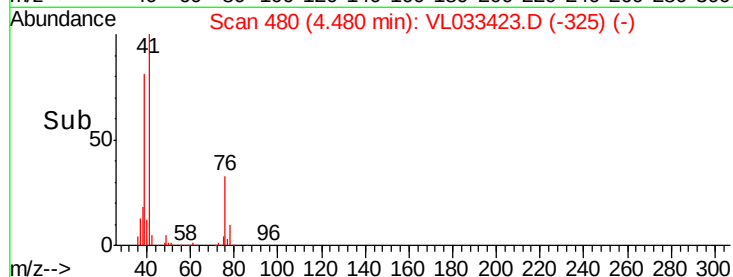
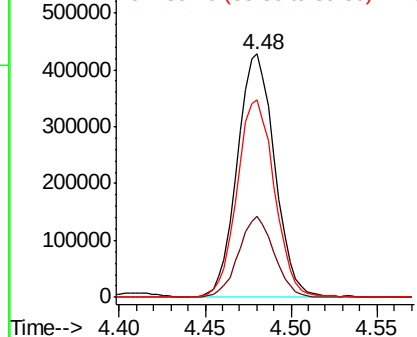
#21
Allvl Chloride
Concen: 11.446 ppbv
RT: 4.48 min Scan# 480
Delta R.T. -0.00 min
Lab File: VL033423.D
Acq: 21 Mar 2019 19:56

Instrument :
MSVOA_L
ClientSampled :

Tot Ion	Ratio	Lower	Upper
41	100		
76	31.6	25.0	37.4
39	81.4	65.9	98.9

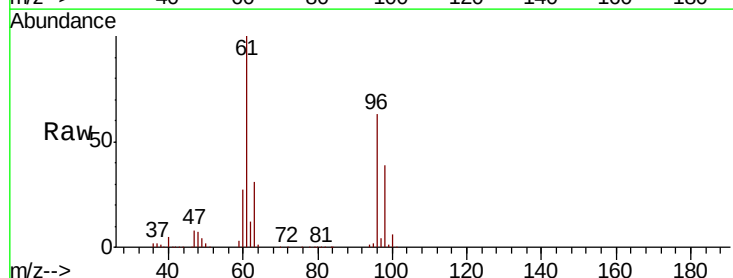


Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0

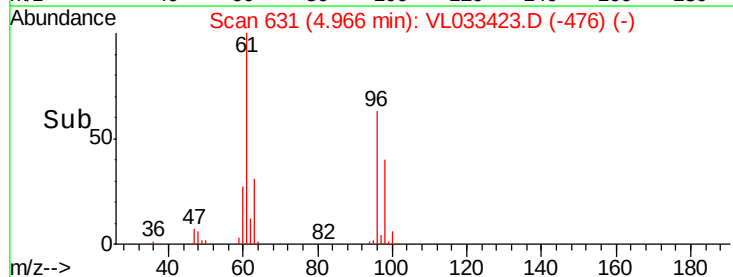
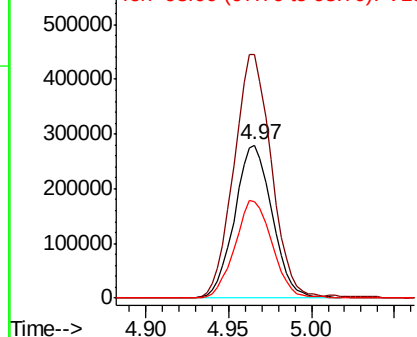


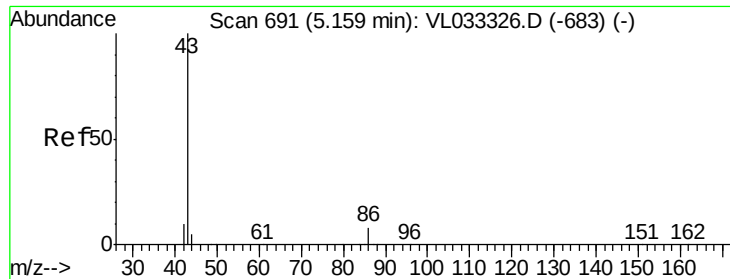
#22
trans-1,2-Dichloroethene
Concen: 11.428 ppbv
RT: 4.97 min Scan# 631
Delta R.T. -0.00 min
Lab File: VL033423.D
Acq: 21 Mar 2019 19:56

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.8	130.0	195.0
98	62.7	50.0	75.0



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: 10.813 ppbv

RT: 5.16 min Scan# 690

Delta R.T. -0.00 min

Lab File: VL033423.D

Acq: 21 Mar 2019 19:56

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 43 Resp: 1462134

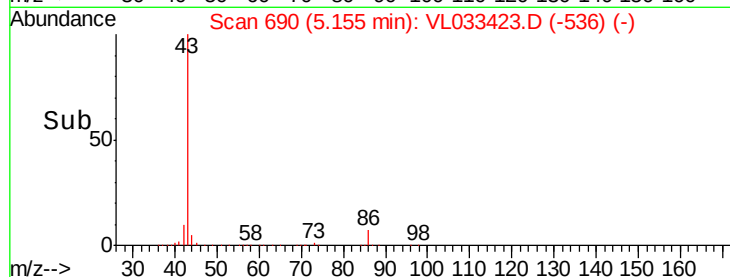
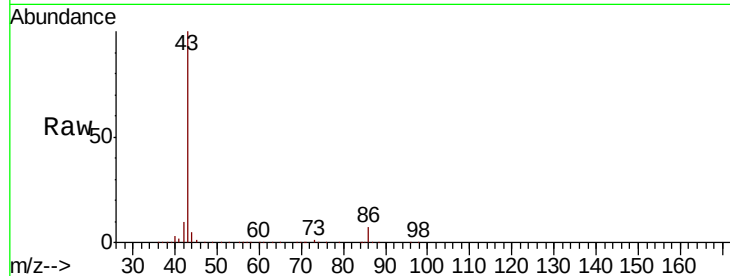
Ion Ratio Lower Upper

43 100

86 7.1 6.2 9.2

42 10.0 8.1 12.1

44 5.2 4.1 6.1

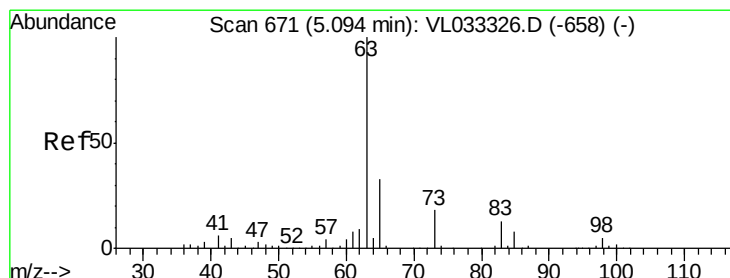
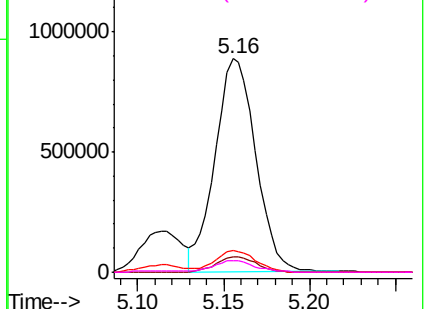


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 10.595 ppbv

RT: 5.09 min Scan# 671

Delta R.T. -0.00 min

Lab File: VL033423.D

Acq: 21 Mar 2019 19:56

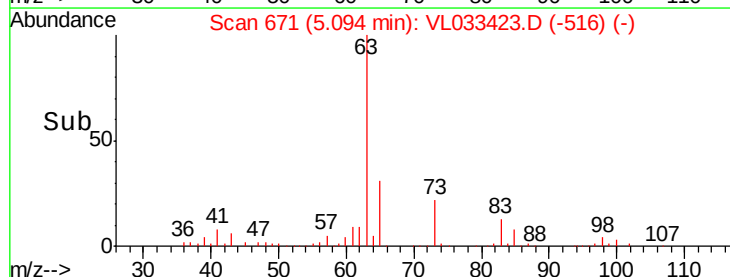
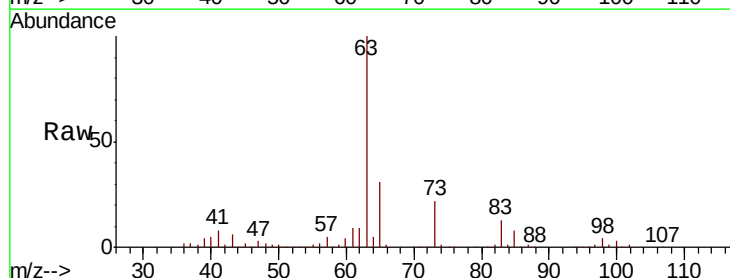
Tgt Ion: 63 Resp: 1034617

Ion Ratio Lower Upper

63 100

98 4.1 2.4 7.1

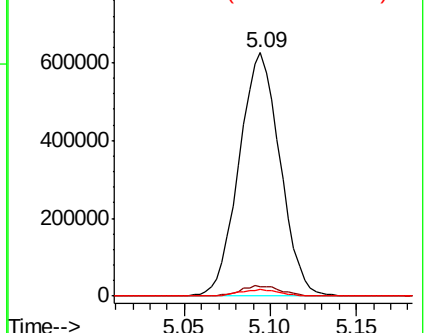
100 2.6 1.3 3.8

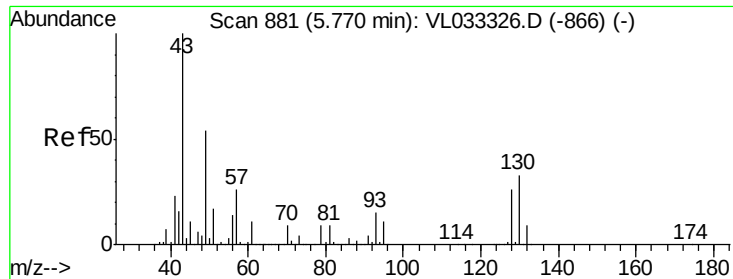


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



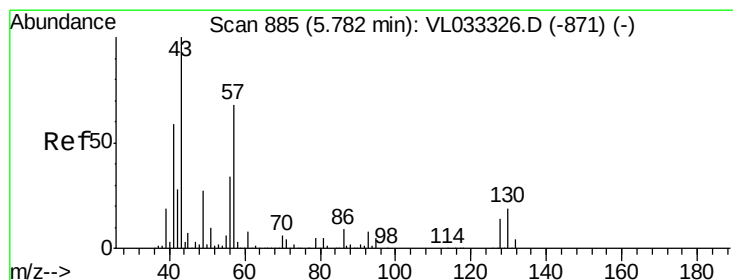
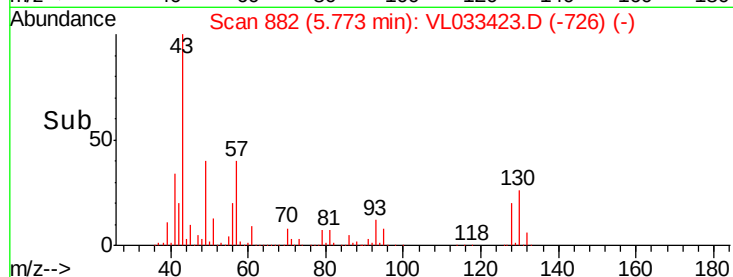
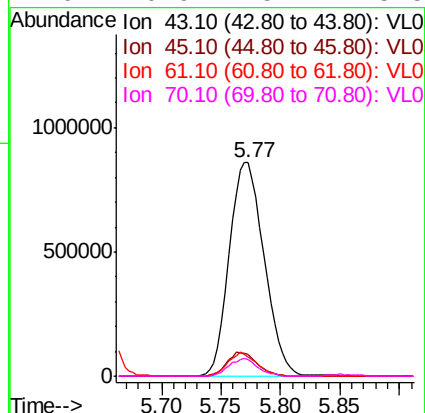
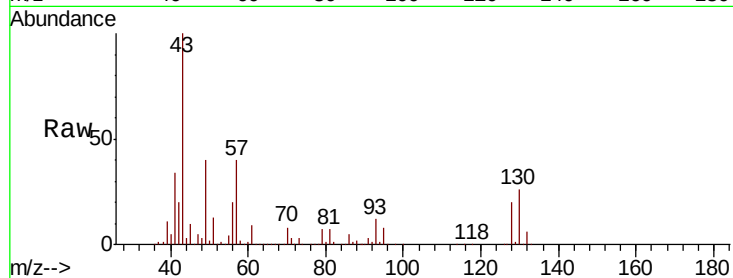


#25
Ethyl Acetate
Concen: 10.273 ppbv
RT: 5.77 min Scan# 882
Delta R.T. 0.00 min
Lab File: VL033423.D
Acq: 21 Mar 2019 19:56

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 1745215

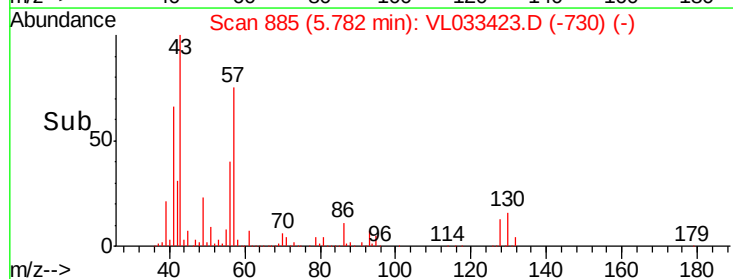
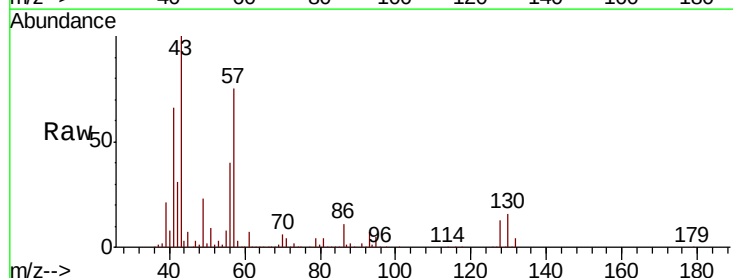
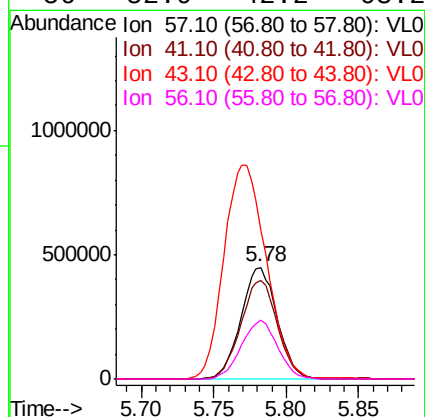
Ion	Ratio	Lower	Upper
43	100		
45	9.7	7.9	11.9
61	9.2	7.4	11.2
70	6.9	5.7	8.5

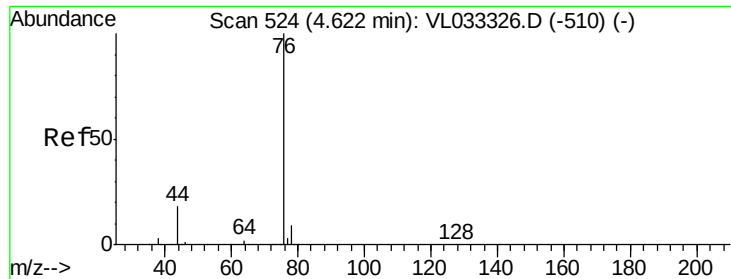


#26
Hexane
Concen: 10.184 ppbv
RT: 5.78 min Scan# 885
Delta R.T. -0.00 min
Lab File: VL033423.D
Acq: 21 Mar 2019 19:56

Tgt Ion: 57 Resp: 773408

Ion	Ratio	Lower	Upper
57	100		
41	91.0	70.5	105.7
43	226.4	181.8	272.8
56	52.9	42.2	63.2





#27

Carbon Disulfide

Concen: 12.018 ppbv

RT: 4.62 min Scan# 524

Delta R.T. -0.00 min

Lab File: VL033423.D

Acq: 21 Mar 2019 19:56

Instrument :

MSVOA_L

ClientSampleId :

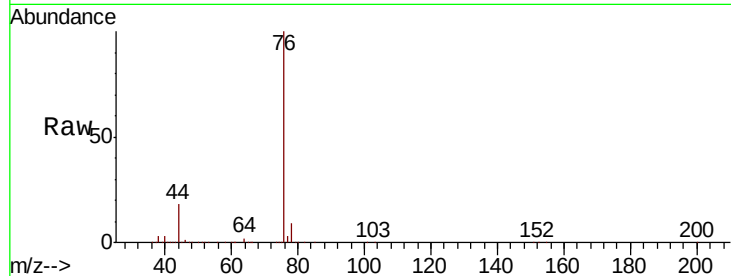
Tot Ion: 76 Resp: 1050714

Ion Ratio Lower Upper

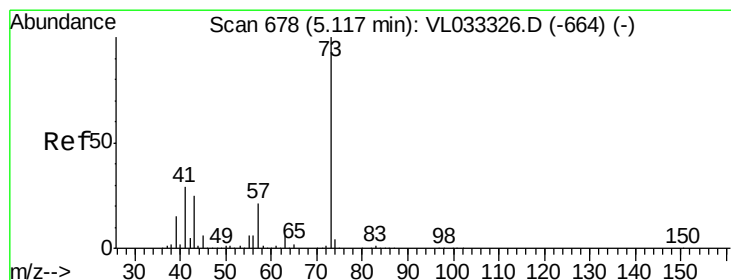
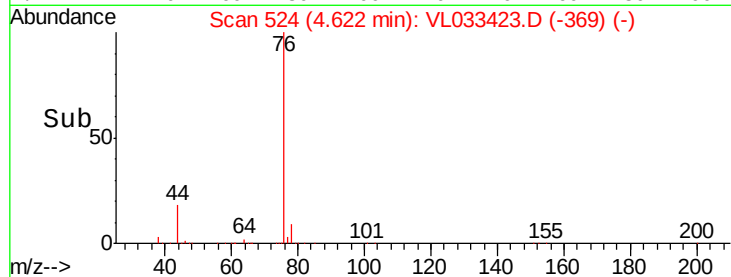
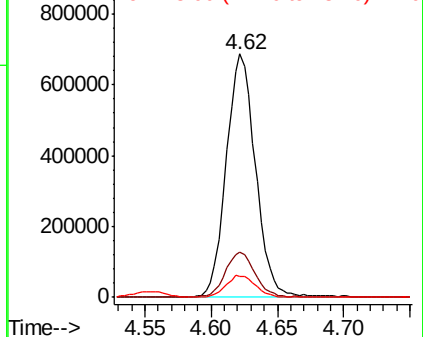
76 100

44 19.0 15.2 22.8

78 9.2 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 10.884 ppbv

RT: 5.11 min Scan# 677

Delta R.T. -0.00 min

Lab File: VL033423.D

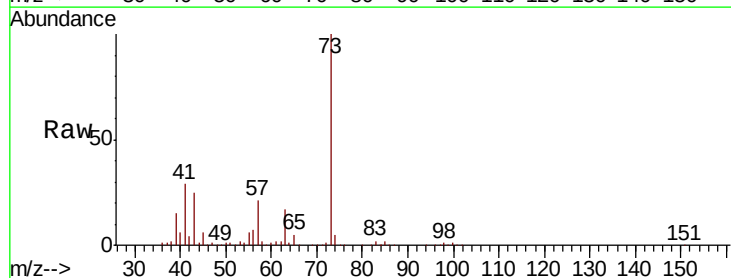
Acq: 21 Mar 2019 19:56

Tgt Ion: 73 Resp: 1227764

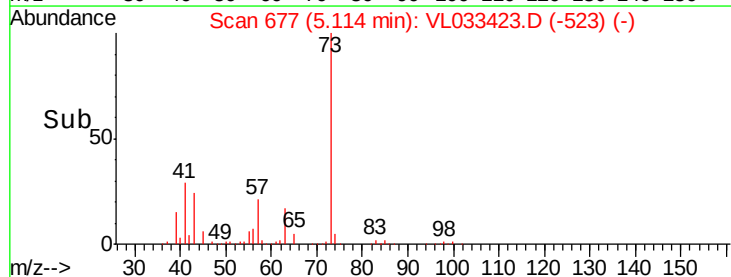
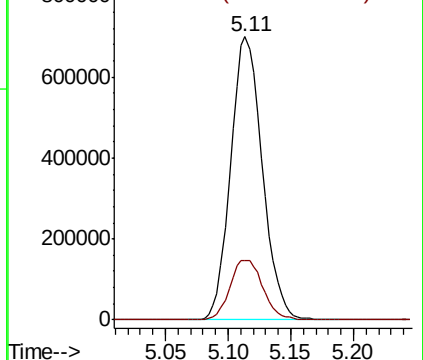
Ion Ratio Lower Upper

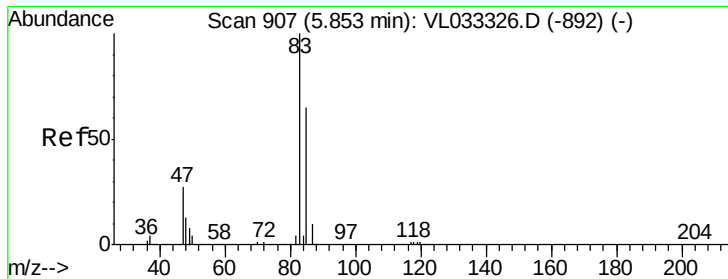
73 100

57 22.1 17.4 26.0



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0

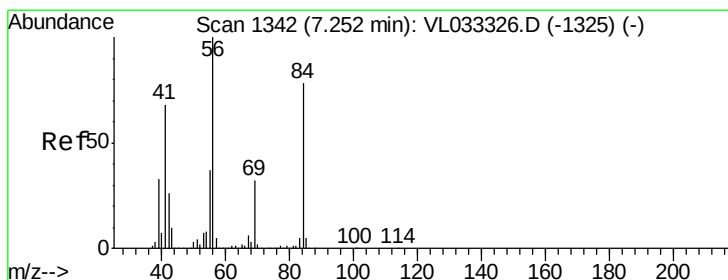
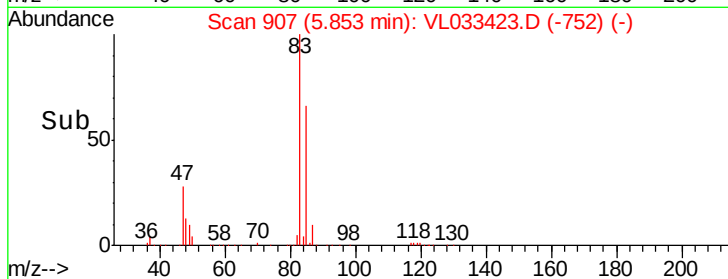
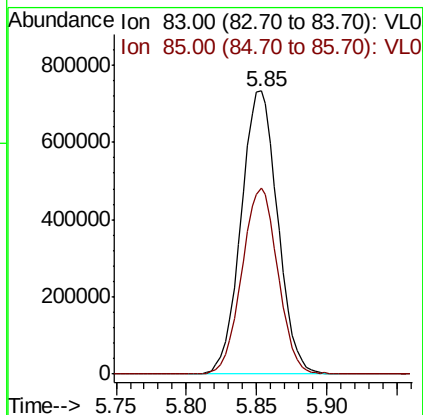
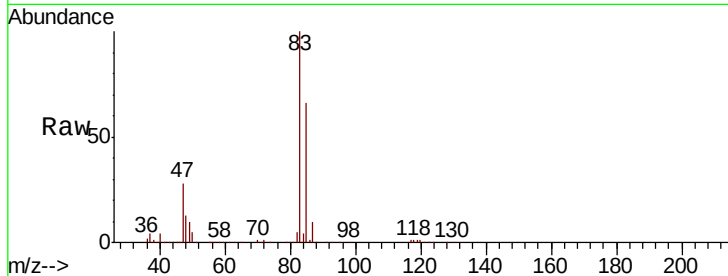




#29
Chloroform
Concen: 10.693 ppbv
RT: 5.85 min Scan# 907
Delta R.T. -0.00 min
Lab File: VL033423.D
Acq: 21 Mar 2019 19:56

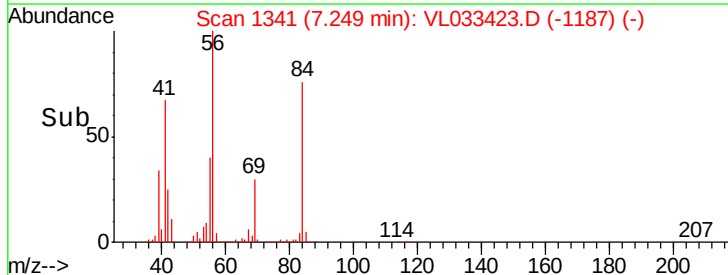
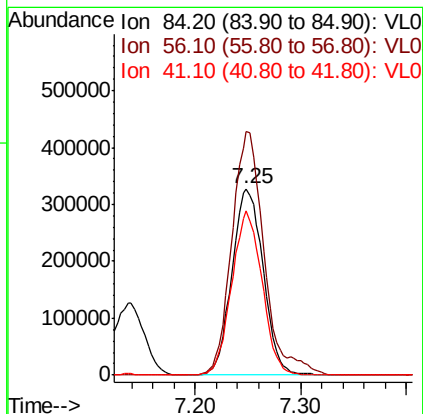
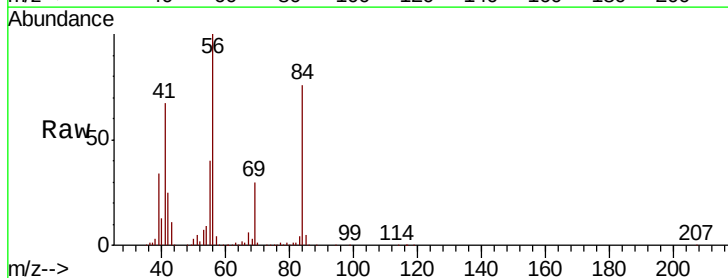
Instrument :
MSVOA_L
ClientSampleId :

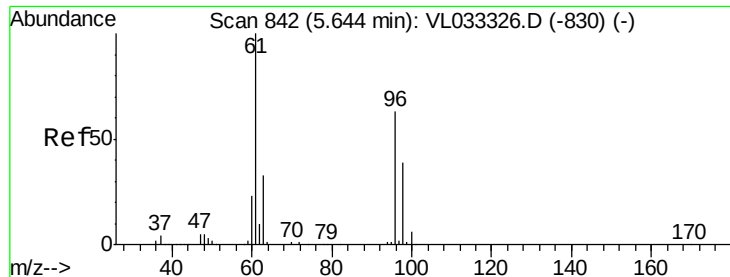
Tot Ion: 83 Resp: 1329646
Ion Ratio Lower Upper
83 100
85 65.8 52.0 78.0



#30
Cyclohexane
Concen: 11.054 ppbv
RT: 7.25 min Scan# 1341
Delta R.T. -0.00 min
Lab File: VL033423.D
Acq: 21 Mar 2019 19:56

Tgt Ion: 84 Resp: 673070
Ion Ratio Lower Upper
84 100
56 135.3 111.3 166.9
41 85.3 69.6 104.4

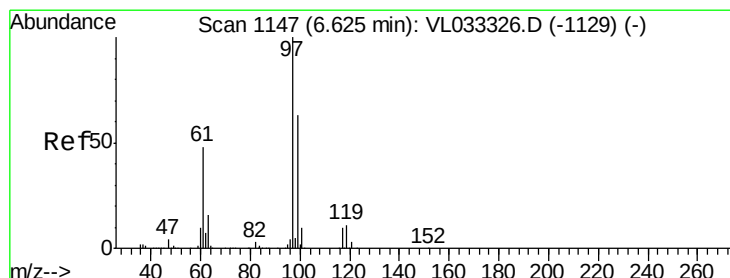
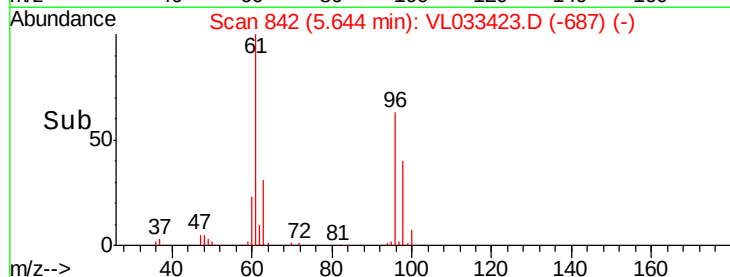
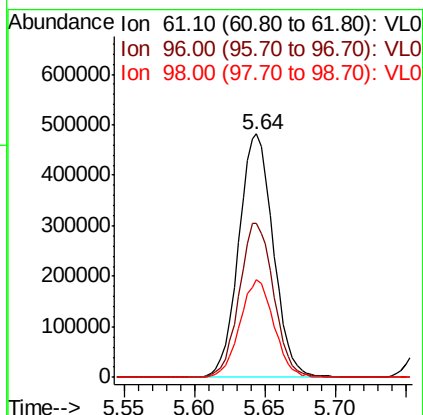
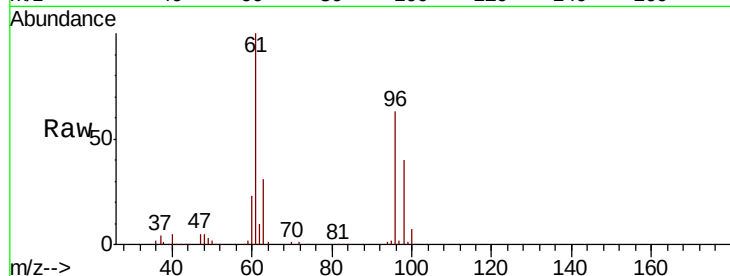




#31
 cis-1,2-Dichloroethene
 Concen: 10.885 ppbv
 RT: 5.64 min Scan# 842
 Delta R.T. -0.00 min
 Lab File: VL033423.D
 Acq: 21 Mar 2019 19:56

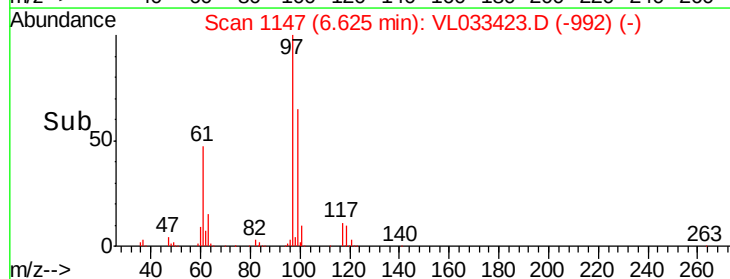
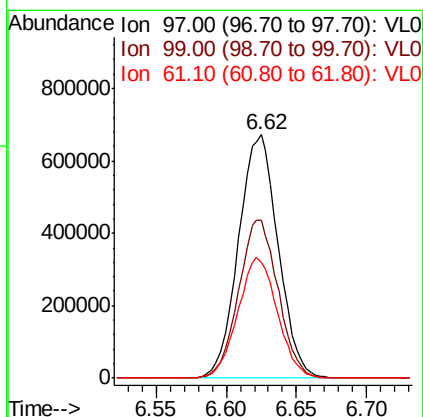
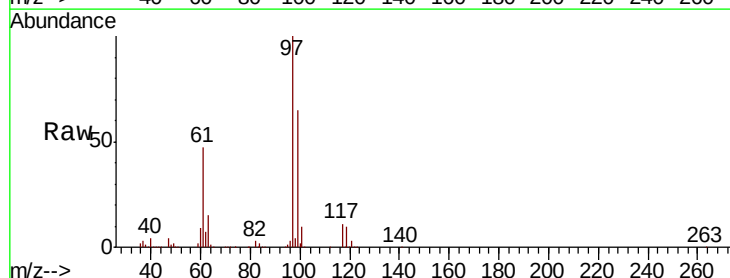
Instrument :
 MSVOA_L
 ClientSampleId :

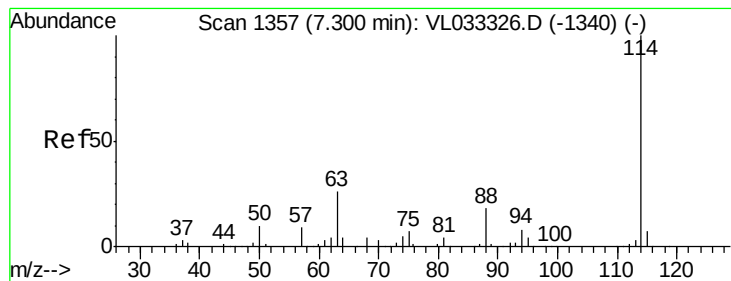
Tot Ion	Ratio	Lower	Upper
61	100		
96	63.3	50.3	75.5
98	40.1	31.5	47.3



#32
 1,1,1-Trichloroethane
 Concen: 10.828 ppbv
 RT: 6.62 min Scan# 1147
 Delta R.T. -0.00 min
 Lab File: VL033423.D
 Acq: 21 Mar 2019 19:56

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.0	76.6
61	49.5	39.3	58.9





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.30 min Scan# 1356

Delta R.T. -0.00 min

Lab File: VL033423.D

Acq: 21 Mar 2019 19:56

Instrument :

MSVOA_L

ClientSampleId :

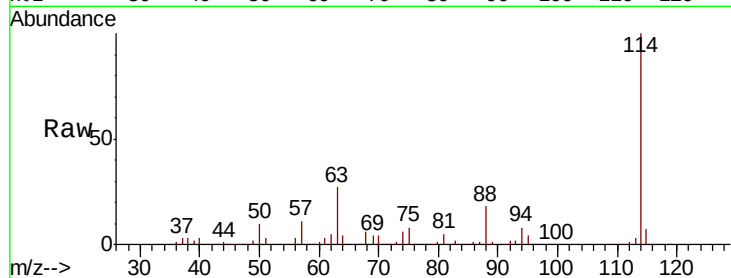
Tot Ion:114 Resp: 1793741

Ion Ratio Lower Upper

114 100

63 27.1 21.4 32.2

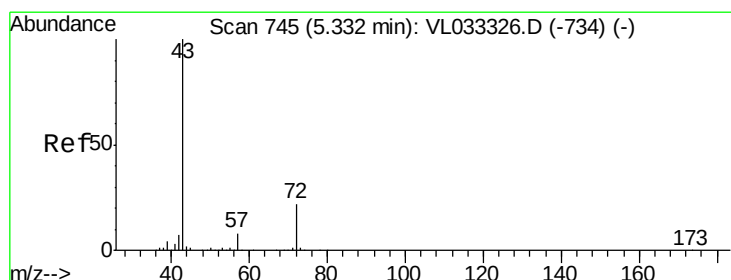
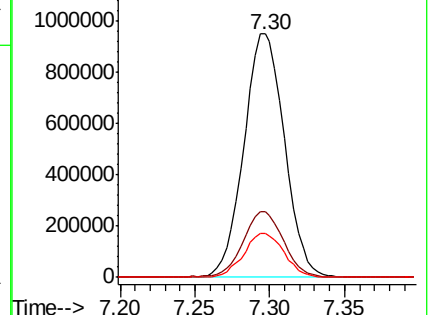
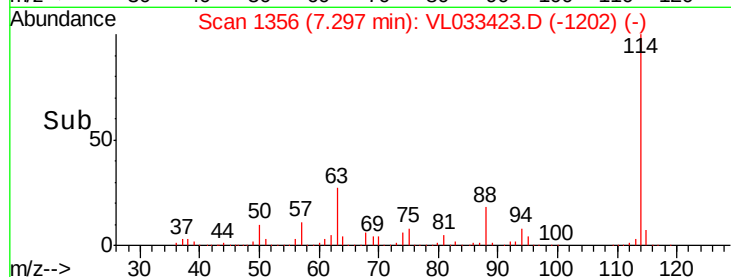
88 18.1 14.5 21.7



Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 9.836 ppbv

RT: 5.33 min Scan# 744

Delta R.T. -0.00 min

Lab File: VL033423.D

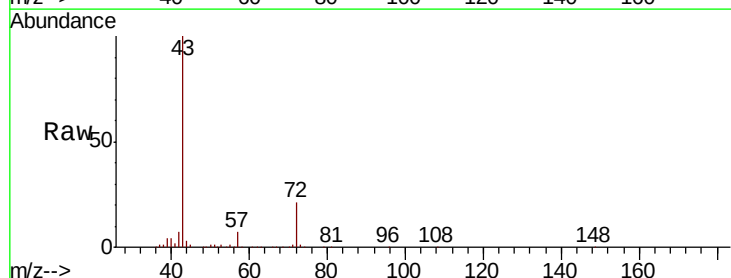
Acq: 21 Mar 2019 19:56

Tgt Ion: 43 Resp: 1158665

Ion Ratio Lower Upper

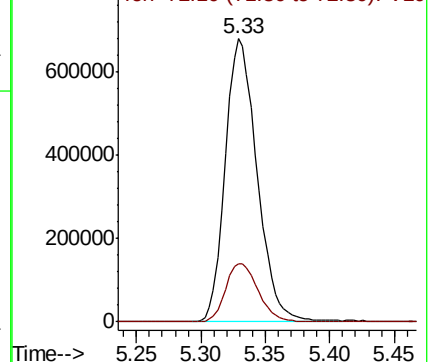
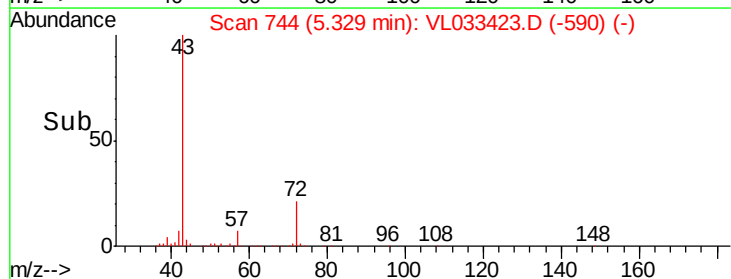
43 100

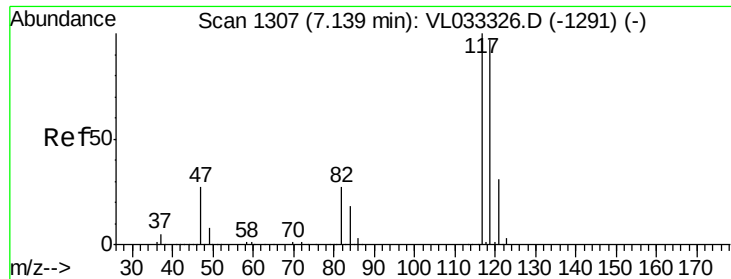
72 21.2 17.7 26.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 11.188 ppbv

RT: 7.14 min Scan# 1307

Delta R.T. -0.00 min

Lab File: VL033423.D

Acq: 21 Mar 2019 19:56

Instrument :

MSVOA_L

ClientSampleId :

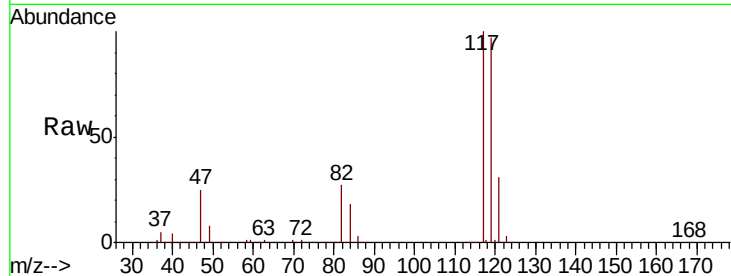
Tot Ion:117 Resp: 1414800

Ion Ratio Lower Upper

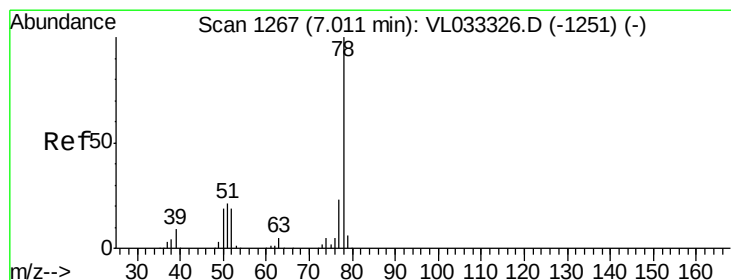
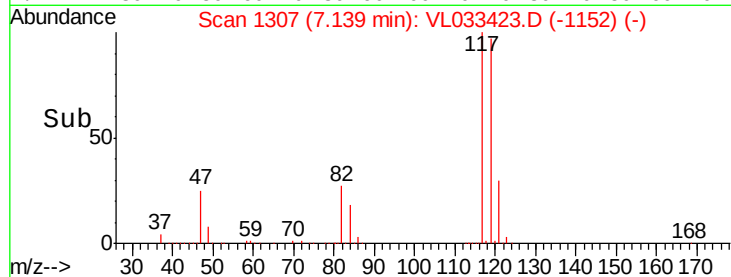
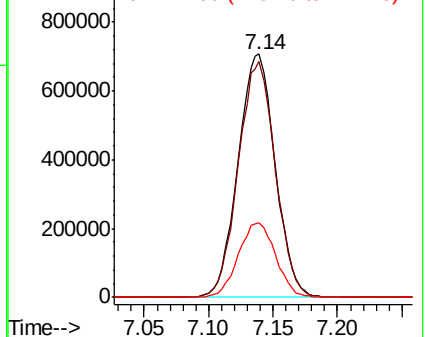
117 100

119 96.9 77.4 116.0

121 30.6 24.9 37.3



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: 10.172 ppbv

RT: 7.01 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VL033423.D

Acq: 21 Mar 2019 19:56

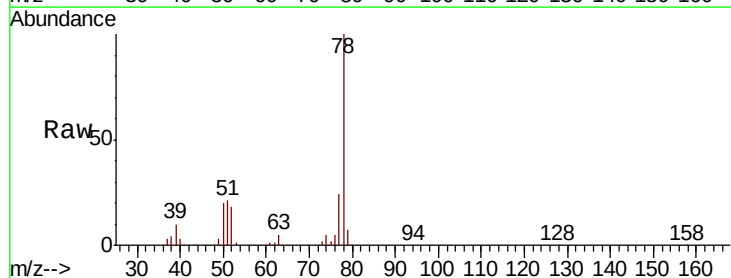
Tgt Ion: 78 Resp: 1632954

Ion Ratio Lower Upper

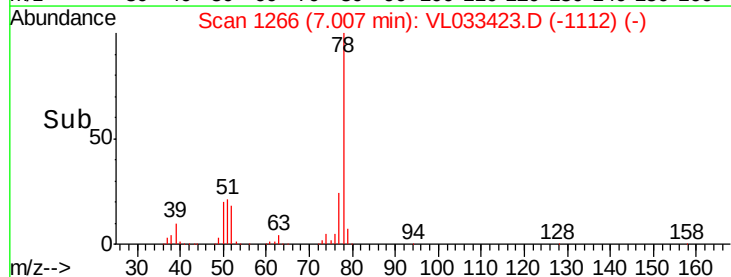
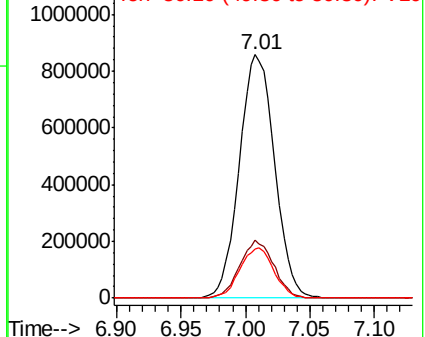
78 100

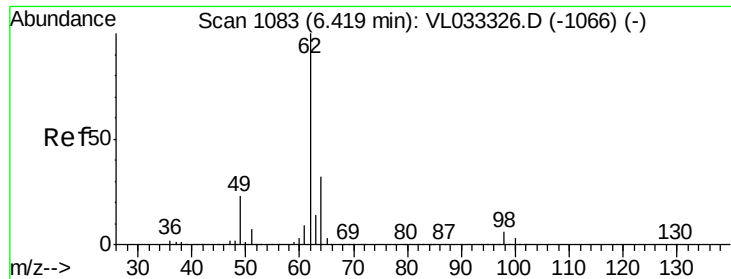
77 23.8 18.1 27.1

50 19.9 15.2 22.8



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

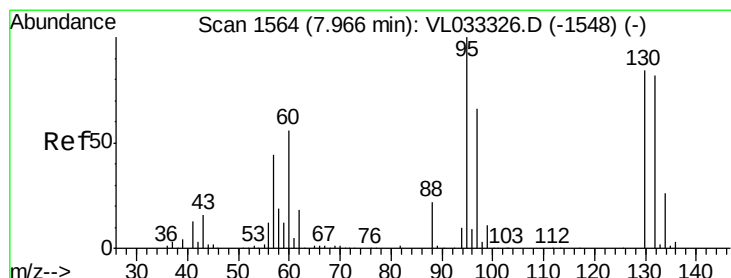
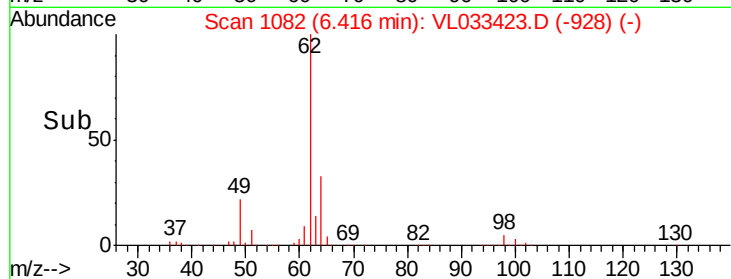
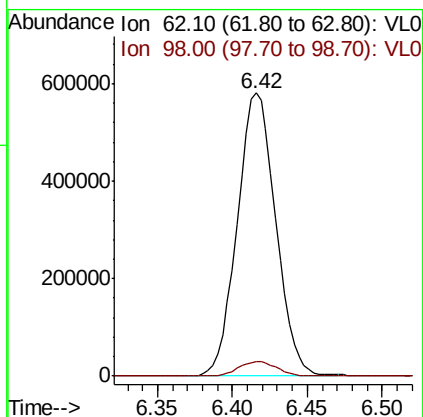
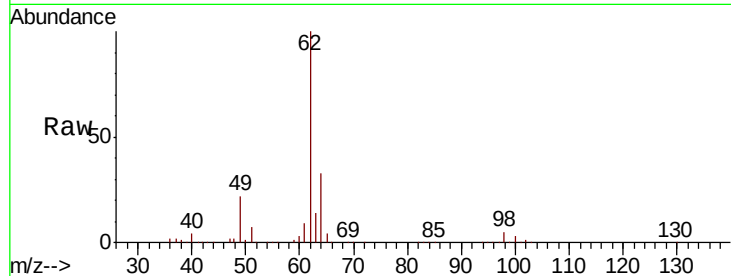




#37
 1,2-Dichloroethane
 Concen: 10.263 ppbv
 RT: 6.42 min Scan# 1082
 Delta R.T. -0.00 min
 Lab File: VL033423.D
 Acq: 21 Mar 2019 19:56

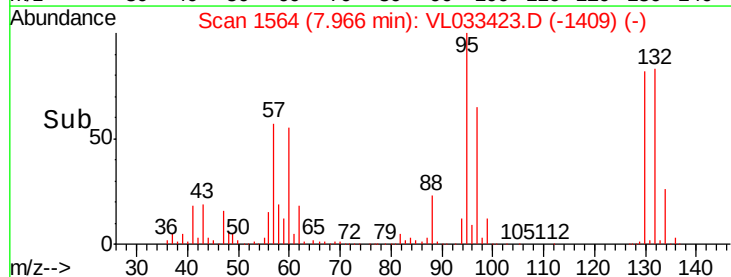
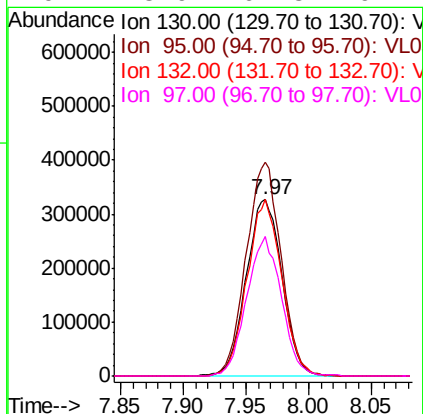
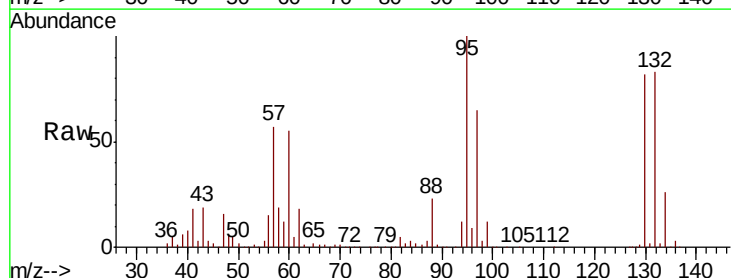
Instrument :
 MSVOA_L
 ClientSampleId :

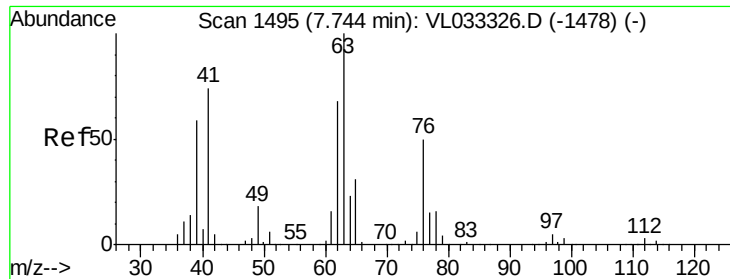
Tot Ion: 62 Resp: 1041699
 Ion Ratio Lower Upper
 62 100
 98 5.3 4.5 6.7



#38
 Trichloroethene
 Concen: 10.683 ppbv
 RT: 7.97 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: VL033423.D
 Acq: 21 Mar 2019 19:56

Tgt Ion: 130 Resp: 648974
 Ion Ratio Lower Upper
 130 100
 95 121.3 95.2 142.8
 132 100.6 77.7 116.5
 97 78.9 62.8 94.2

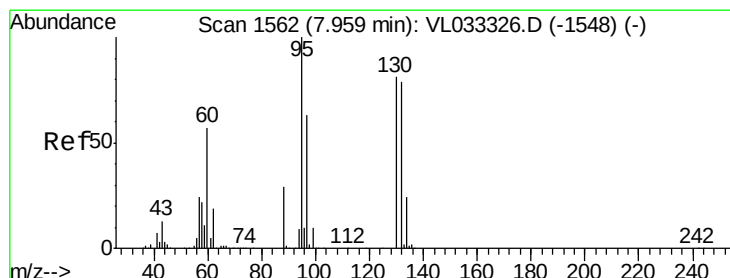
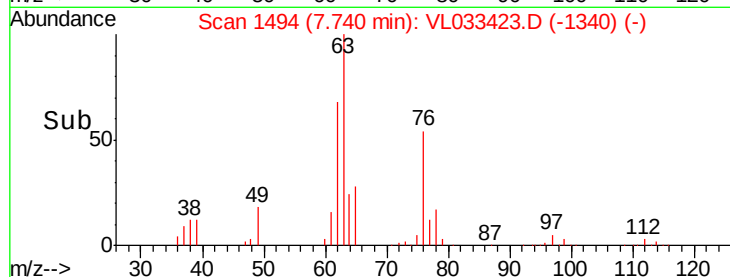
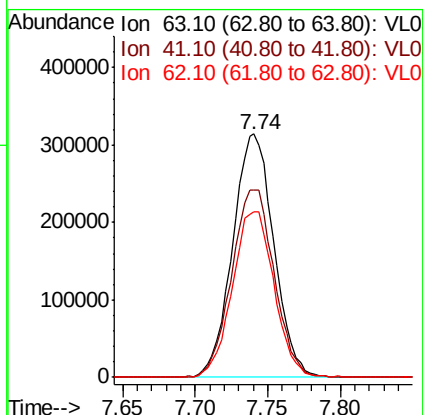
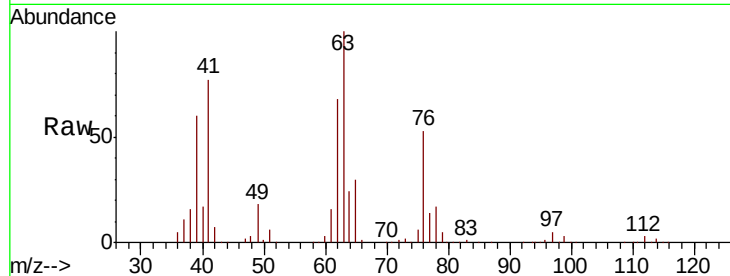




#39
 1,2-Dichloropropane
 Concen: 10.281 ppbv
 RT: 7.74 min Scan# 1494
 Delta R.T. -0.00 min
 Lab File: VL033423.D
 Acq: 21 Mar 2019 19:56

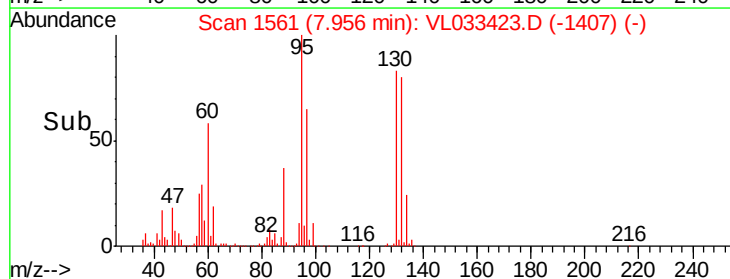
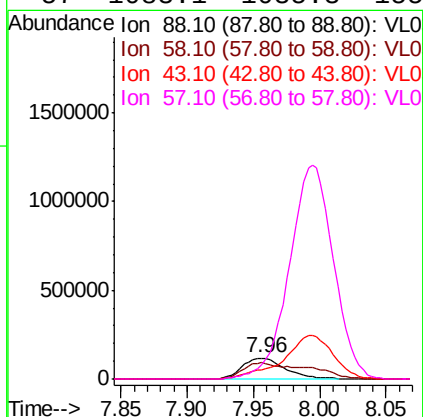
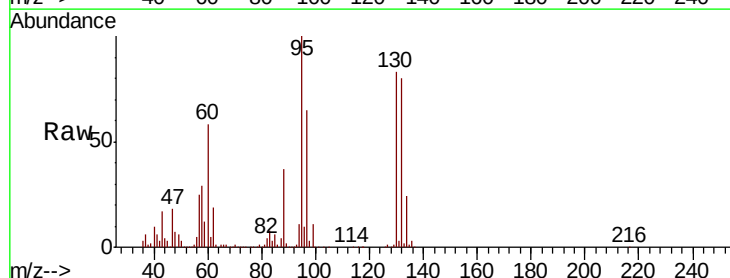
Instrument :
 MSVOA_L
 ClientSampleId :

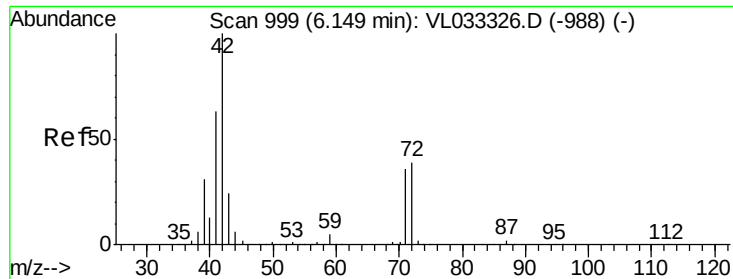
Tot Ion: 63 Resp: 618086
 Ion Ratio Lower Upper
 63 100
 41 76.7 59.5 89.3
 62 67.7 54.7 82.1



#40
 1,4-Dioxane
 Concen: 12.258 ppbv
 RT: 7.96 min Scan# 1561
 Delta R.T. -0.00 min
 Lab File: VL033423.D
 Acq: 21 Mar 2019 19:56

Tgt Ion: 88 Resp: 259487
 Ion Ratio Lower Upper
 88 100
 58 124.7 107.9 161.9
 43 246.1 230.8 346.2
 57 1083.1 1035.3 1552.9

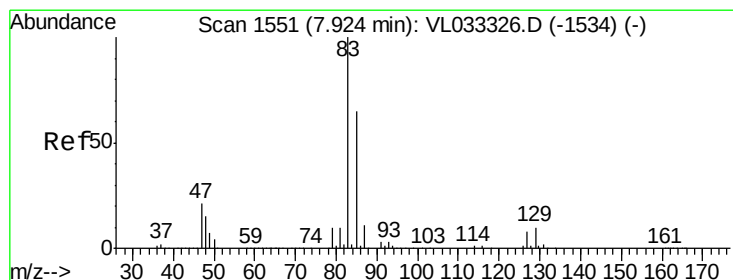
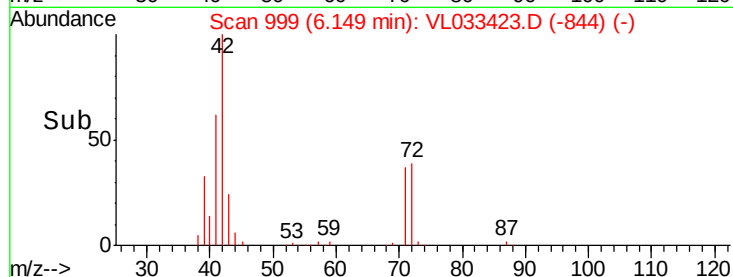
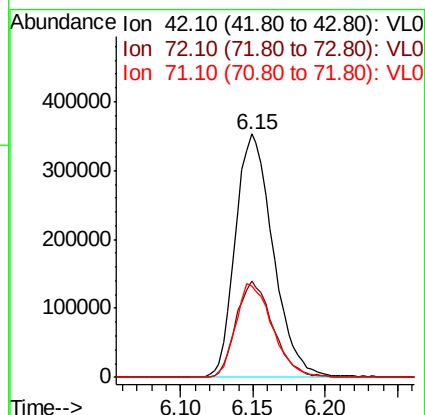
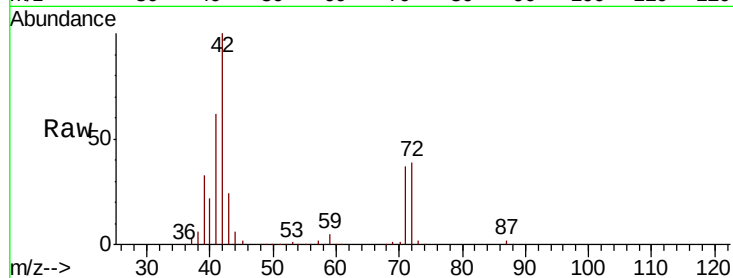




#41
Tetrahydrofuran
Concen: 10.134 ppbv
RT: 6.15 min Scan# 999
Delta R.T. -0.00 min
Lab File: VL033423.D
Acq: 21 Mar 2019 19:56

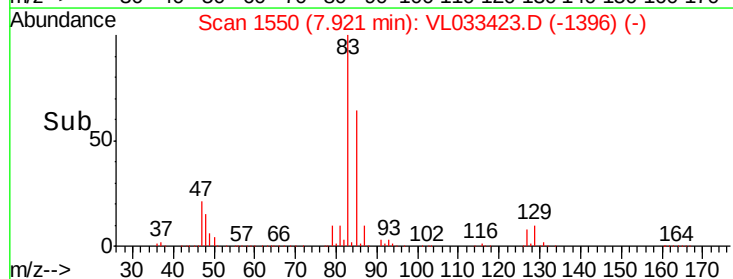
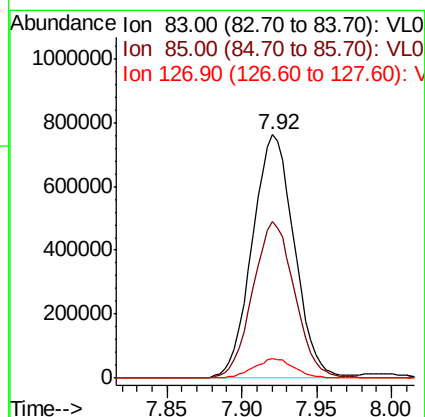
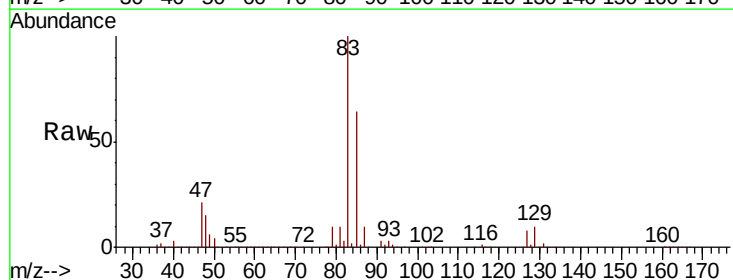
Instrument :
MSVOA_L
ClientSampleId :

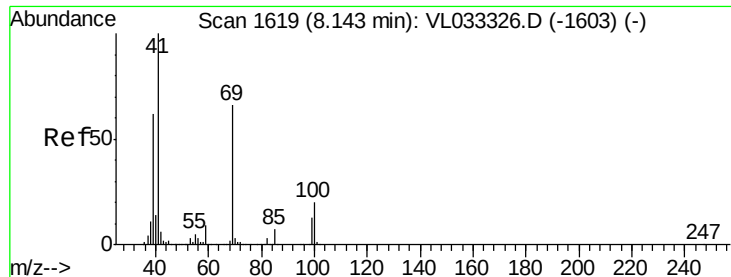
Tot Ion: 42 Resp: 637094
Ion Ratio Lower Upper
42 100
72 38.7 31.6 47.4
71 37.9 29.9 44.9



#42
Bromodichloromethane
Concen: 10.917 ppbv
RT: 7.92 min Scan# 1550
Delta R.T. -0.00 min
Lab File: VL033423.D
Acq: 21 Mar 2019 19:56

Tgt Ion: 83 Resp: 1485663
Ion Ratio Lower Upper
83 100
85 64.0 51.8 77.6
127 7.9 6.2 9.2

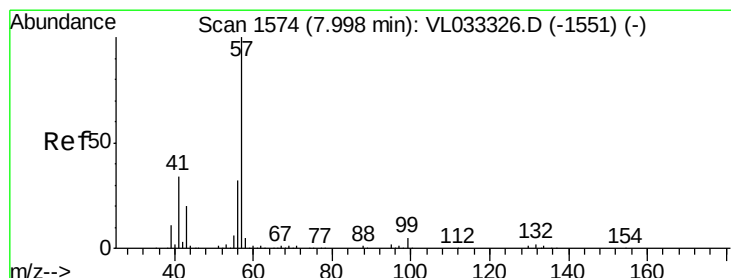
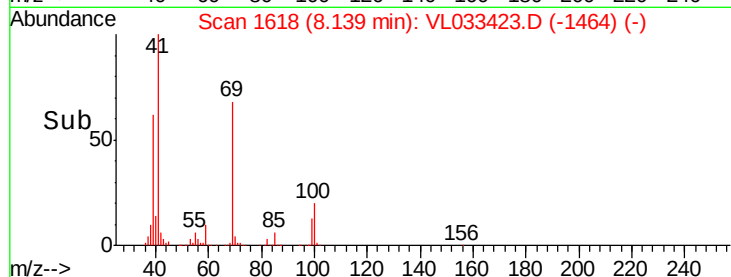
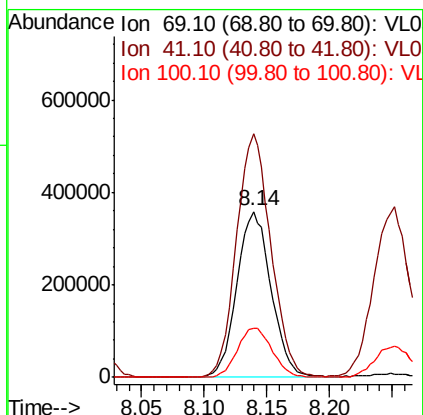
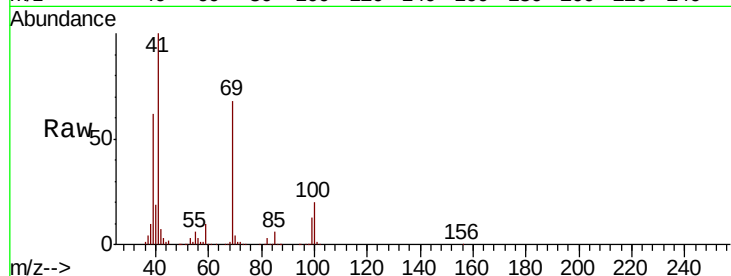




#43
Methyl Methacrylate
Concen: 10.850 ppbv
RT: 8.14 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VL033423.D
Acq: 21 Mar 2019 19:56

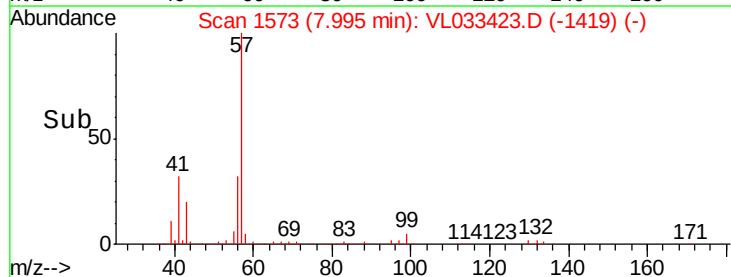
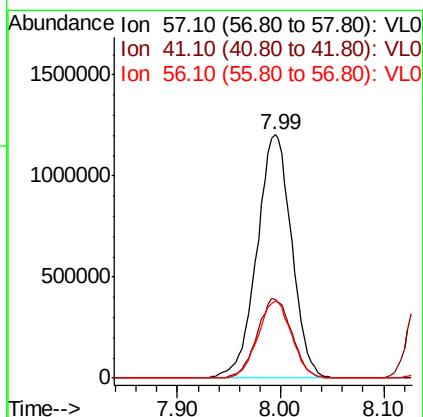
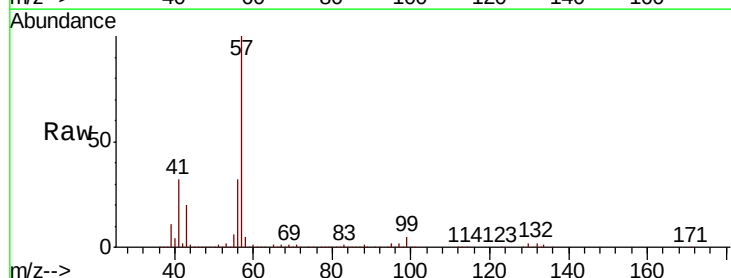
Instrument :
MSVOA_L
ClientSampleId :

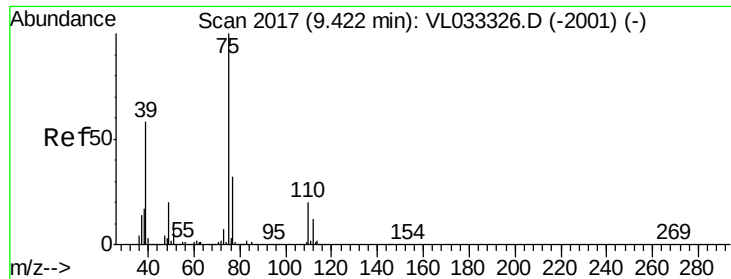
Tot Ion: 69 Resp: 678201
Ion Ratio Lower Upper
69 100
41 147.4 119.5 179.3
100 30.2 24.4 36.6



#44
2,2,4-Trimethylpentane
Concen: 10.558 ppbv
RT: 7.99 min Scan# 1573
Delta R.T. -0.00 min
Lab File: VL033423.D
Acq: 21 Mar 2019 19:56

Tgt Ion: 57 Resp: 2807164
Ion Ratio Lower Upper
57 100
41 32.6 26.0 39.0
56 30.8 24.6 36.8





#45

t-1,3-Dichloropropene

Concen: 11.876 ppbv

RT: 9.42 min Scan# 2016

Delta R.T. -0.00 min

Lab File: VL033423.D

Acq: 21 Mar 2019 19:56

Instrument :

MSVOA_L

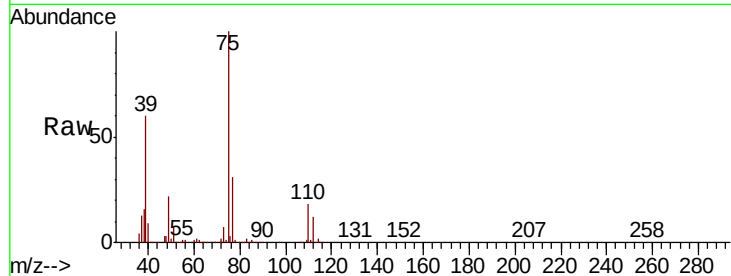
ClientSampleId :

Tot Ion: 75 Resp: 916464

Ion Ratio Lower Upper

75 100

77 31.2 25.5 38.3



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.42

500000

400000

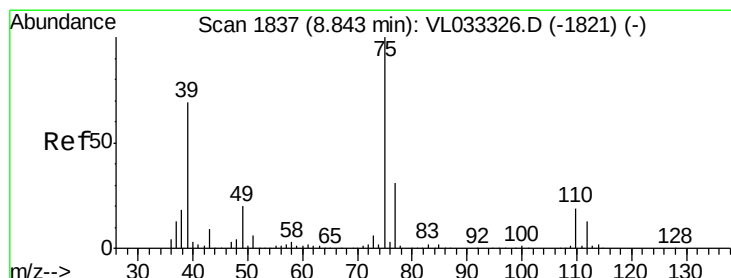
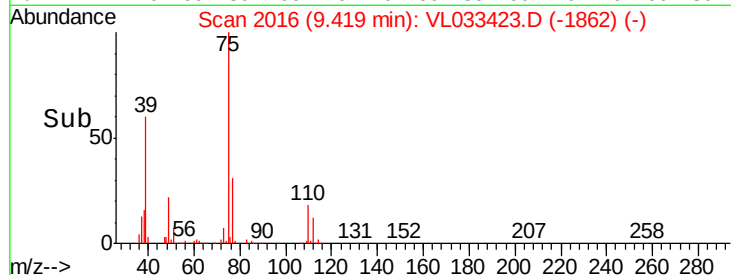
300000

200000

100000

0

Time-->



#46

cis-1,3-Dichloropropene

Concen: 11.225 ppbv

RT: 8.84 min Scan# 1836

Delta R.T. -0.00 min

Lab File: VL033423.D

Acq: 21 Mar 2019 19:56

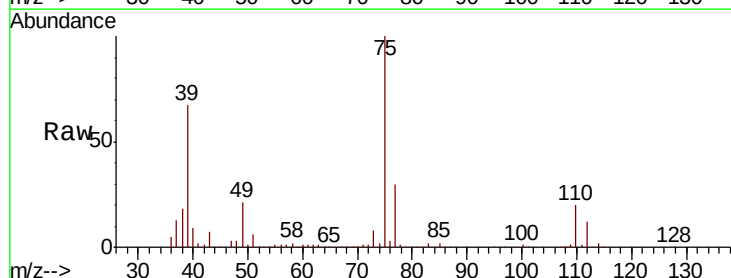
Tgt Ion: 75 Resp: 1019972

Ion Ratio Lower Upper

75 100

39 67.4 55.0 82.6

77 30.0 24.5 36.7



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

8.84

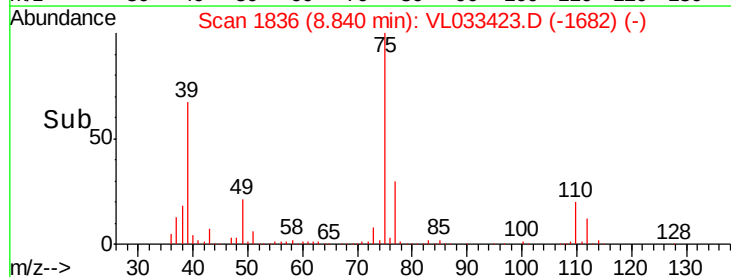
600000

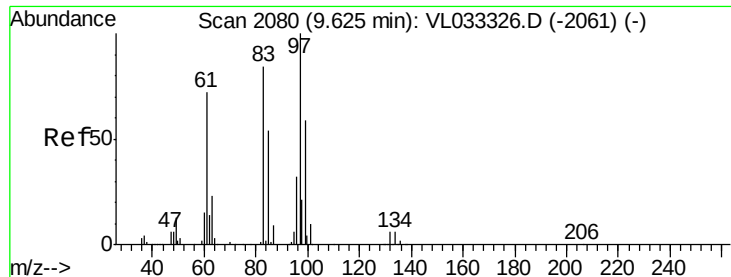
400000

200000

0

Time-->

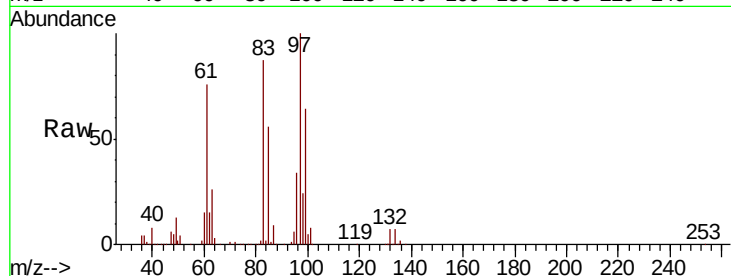




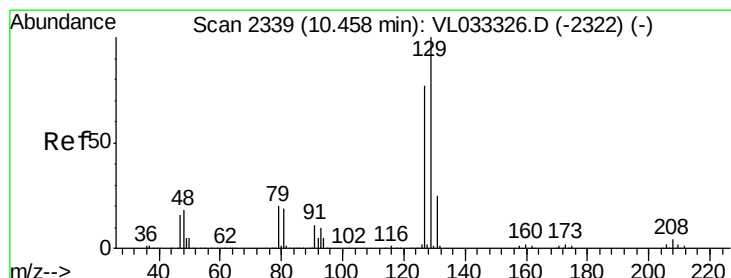
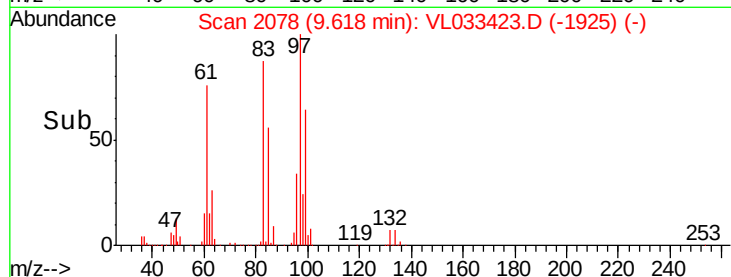
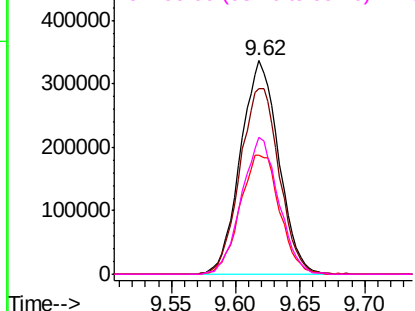
#47
 1,1,2-Trichloroethane
 Concen: 10.447 ppbv
 RT: 9.62 min Scan# 2078
 Delta R.T. -0.01 min
 Lab File: VL033423.D
 Acq: 21 Mar 2019 19:56

Instrument :
 MSVOA_L
 ClientSampleID :

Tot Ion: 97 Resp: 693891
 Ion Ratio Lower Upper
 97 100
 83 87.0 67.4 101.0
 85 55.6 43.0 64.4
 99 63.8 47.0 70.6

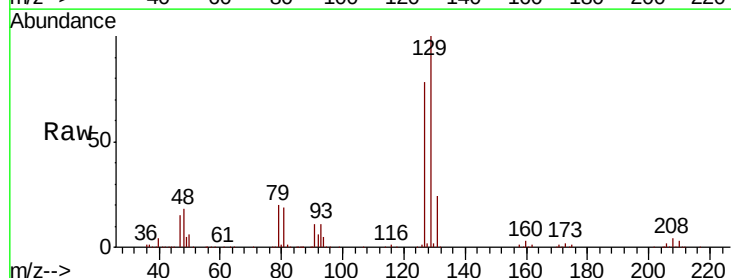


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

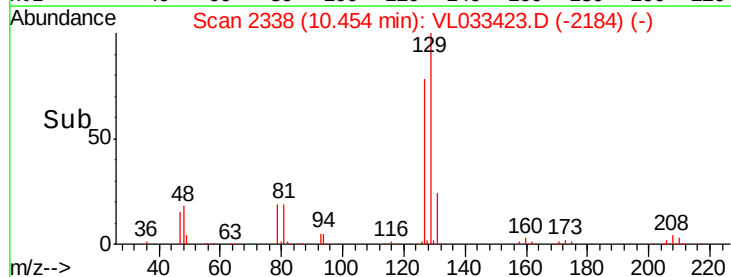
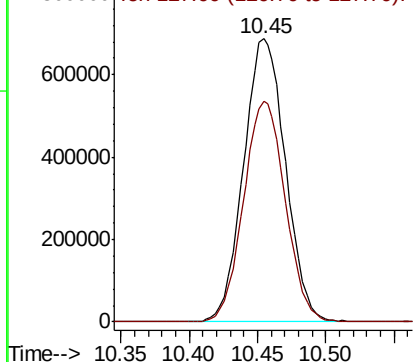


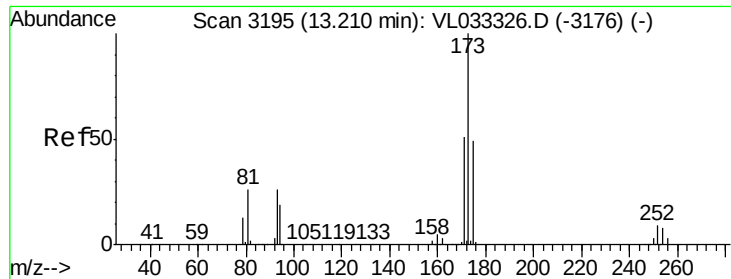
#48
 Dibromochloromethane
 Concen: 13.142 ppbv
 RT: 10.45 min Scan# 2338
 Delta R.T. -0.00 min
 Lab File: VL033423.D
 Acq: 21 Mar 2019 19:56

Tgt Ion:129 Resp: 1463998
 Ion Ratio Lower Upper
 129 100
 127 77.8 38.9 116.6



Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 12.261 ppbv

RT: 13.21 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VL033423.D

Acq: 21 Mar 2019 19:56

Instrument :

MSVOA_L

ClientSampleId :

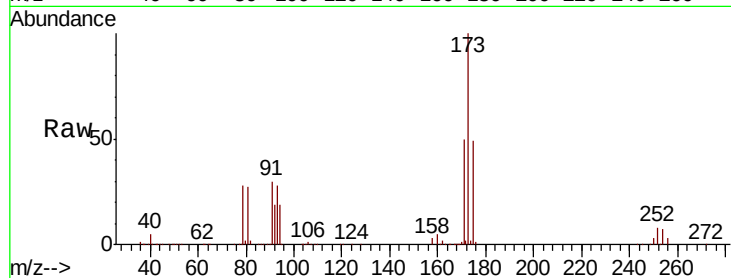
Tot Ion:173 Resp: 1295645

Ion Ratio Lower Upper

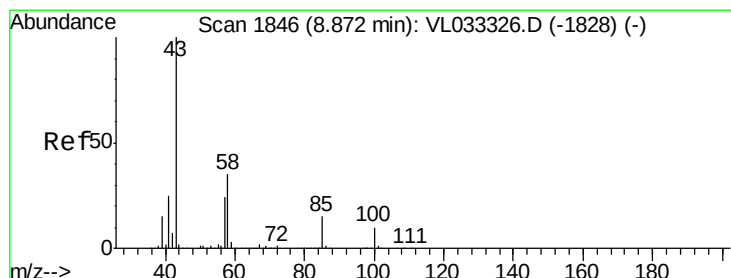
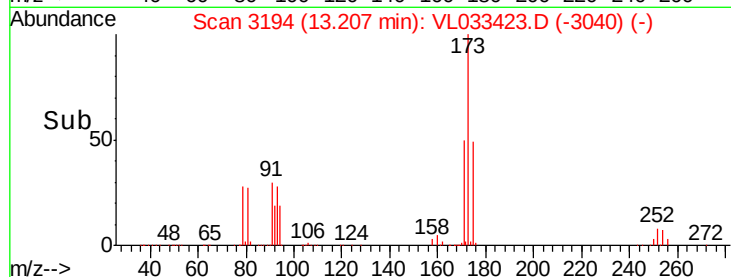
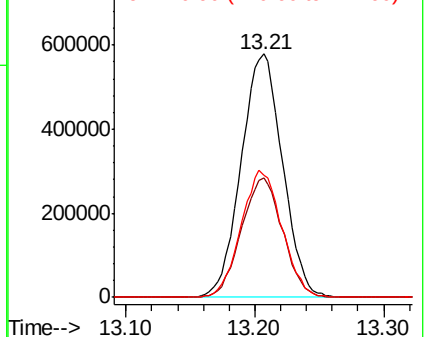
173 100

175 48.8 39.0 58.6

171 51.5 41.7 62.5



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: 10.196 ppbv

RT: 8.87 min Scan# 1846

Delta R.T. -0.00 min

Lab File: VL033423.D

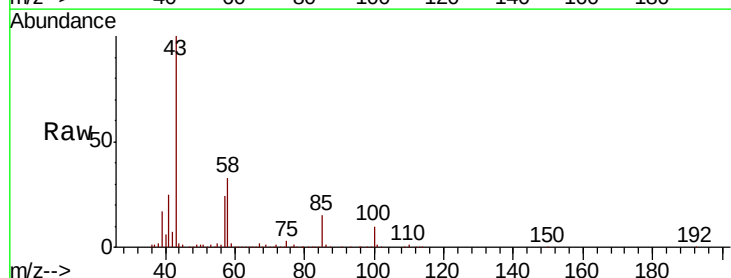
Acq: 21 Mar 2019 19:56

Tgt Ion: 43 Resp: 1696554

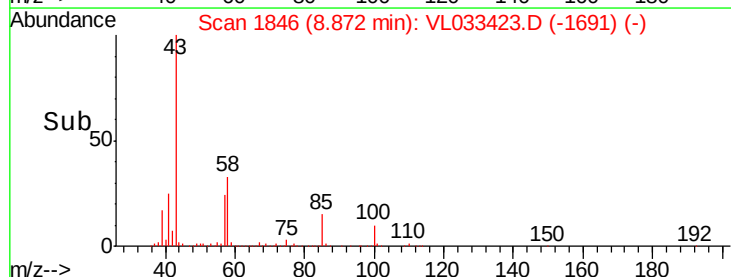
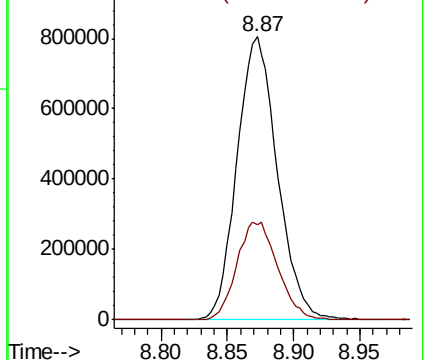
Ion Ratio Lower Upper

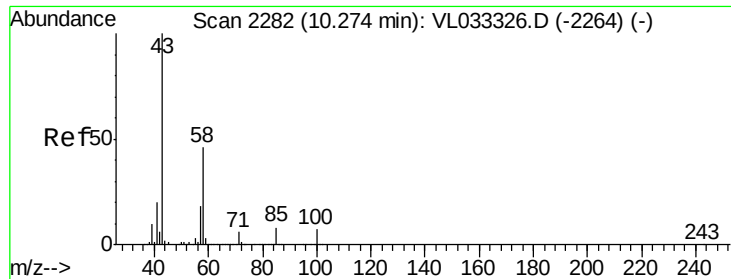
43 100

58 35.3 28.4 42.6



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

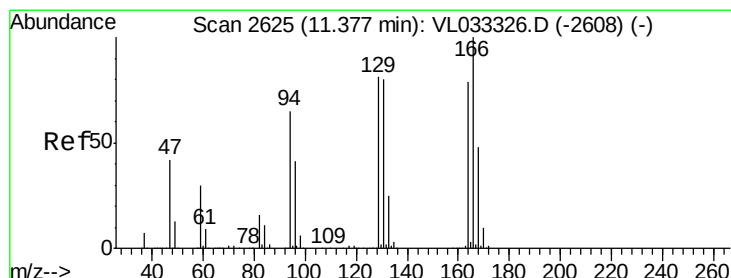
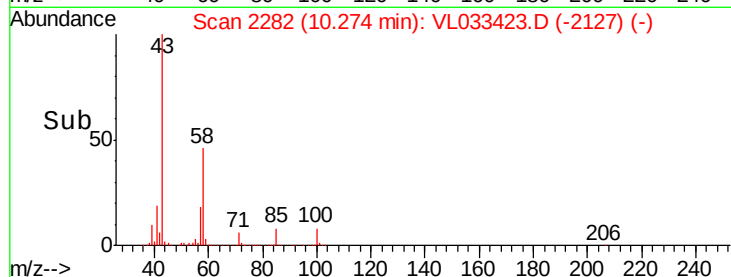
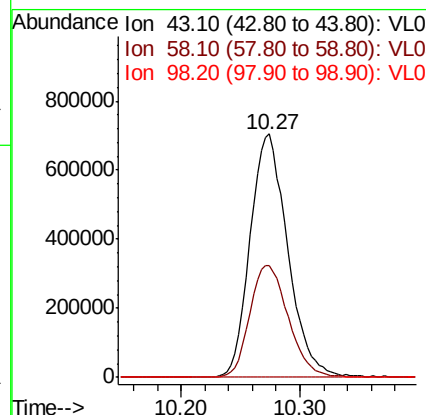
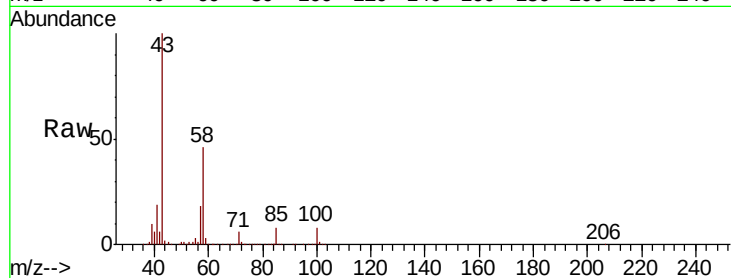




#51
2-Hexanone
Concen: 11.992 ppbv
RT: 10.27 min Scan# 2282
Delta R.T. -0.00 min
Lab File: VL033423.D
Acq: 21 Mar 2019 19:56

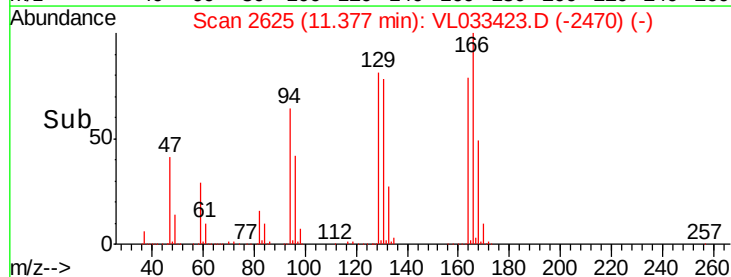
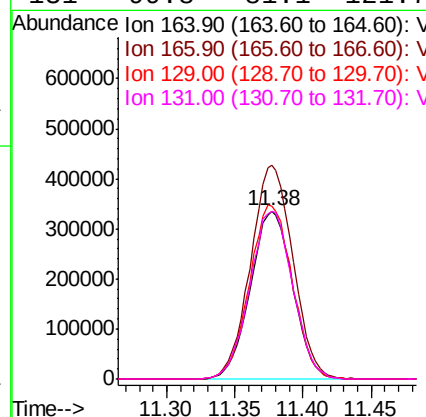
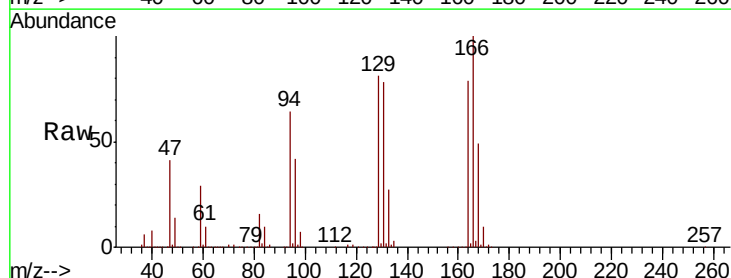
Instrument :
MSVOA_L
ClientSampleId :

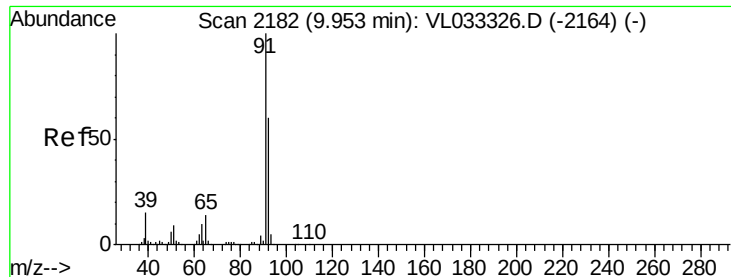
Tot Ion: 43 Resp: 1539439
Ion Ratio Lower Upper
43 100
58 47.3 38.0 57.0
98 0.3 0.1 0.1#



#52
Tetrachloroethene
Concen: 10.764 ppbv
RT: 11.38 min Scan# 2625
Delta R.T. -0.00 min
Lab File: VL033423.D
Acq: 21 Mar 2019 19:56

Tgt Ion:164 Resp: 719893
Ion Ratio Lower Upper
164 100
166 127.3 101.5 152.3
129 103.3 82.2 123.2
131 99.8 81.1 121.7





#53

Toluene

Concen: 12.359 ppbv

RT: 9.95 min Scan# 2181

Delta R.T. -0.00 min

Lab File: VL033423.D

Acq: 21 Mar 2019 19:56

Instrument :

MSVOA_L

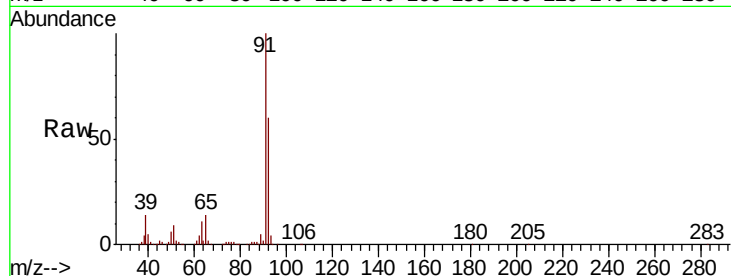
ClientSampleId :

Tot Ion: 91 Resp: 2254374

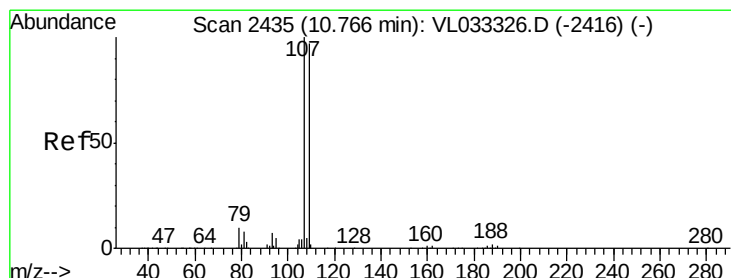
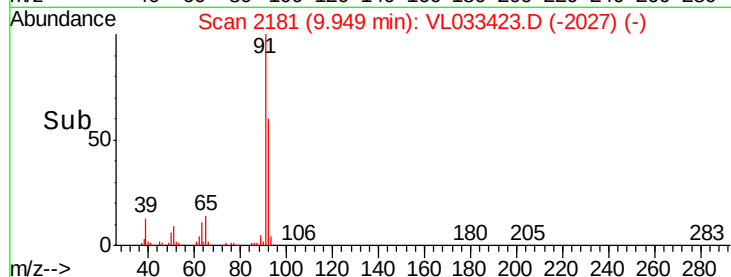
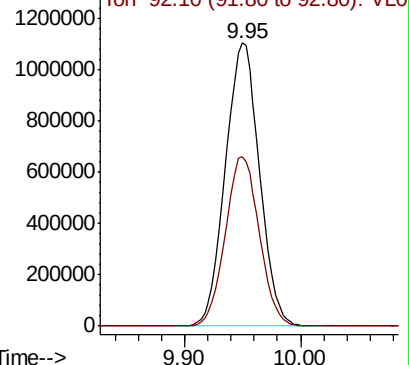
Ion Ratio Lower Upper

91 100

92 59.7 47.4 71.0



Abundance Ion 91.10 (90.80 to 91.80): VL0



#54

1,2-Dibromoethane

Concen: 11.425 ppbv

RT: 10.76 min Scan# 2434

Delta R.T. -0.00 min

Lab File: VL033423.D

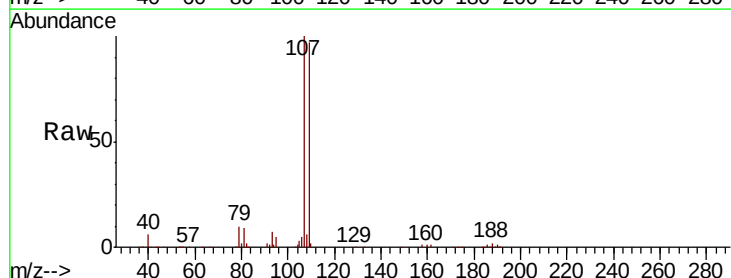
Acq: 21 Mar 2019 19:56

Tgt Ion: 107 Resp: 1282815

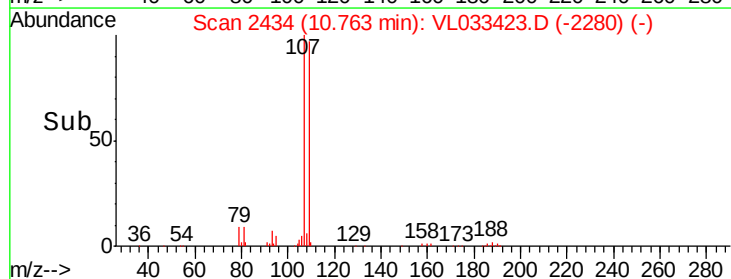
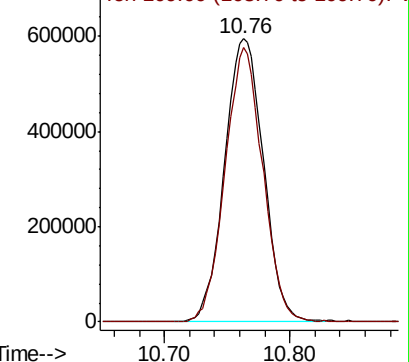
Ion Ratio Lower Upper

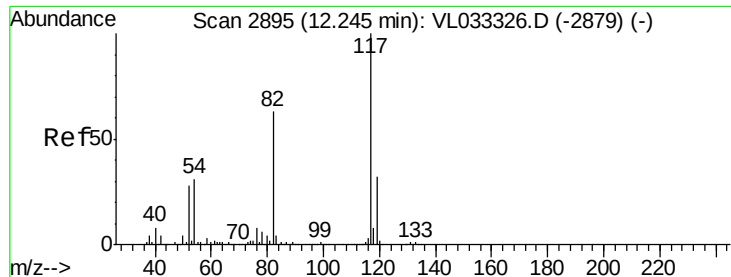
107 100

109 97.0 77.2 115.8



Abundance Ion 107.00 (106.70 to 107.70): V

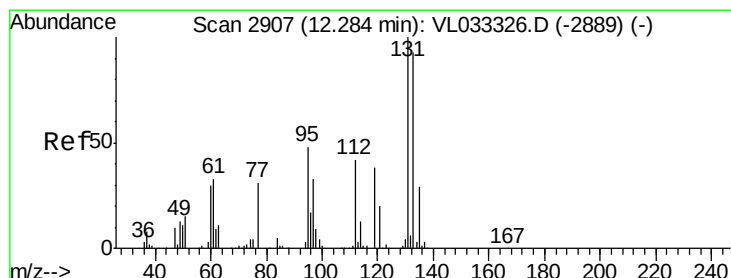
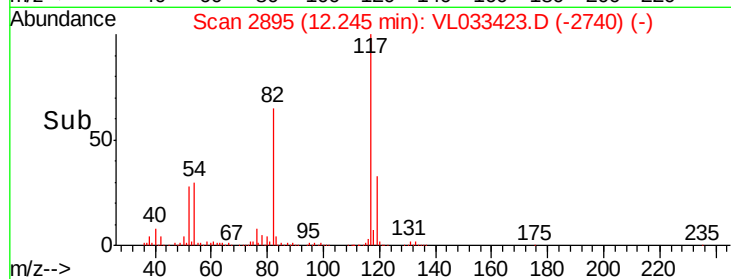
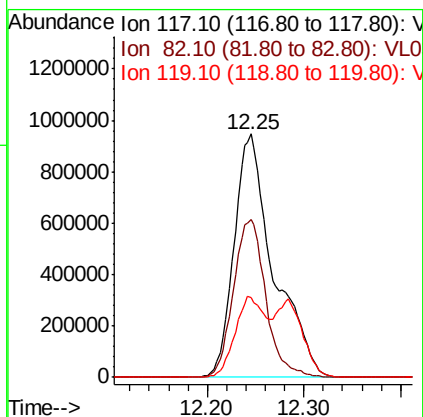
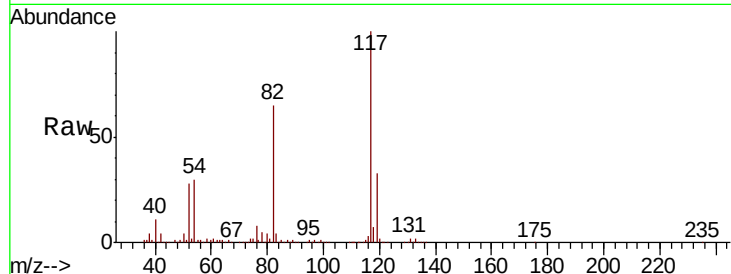




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2895
Delta R.T. -0.00 min
Lab File: VL033423.D
Acq: 21 Mar 2019 19:56

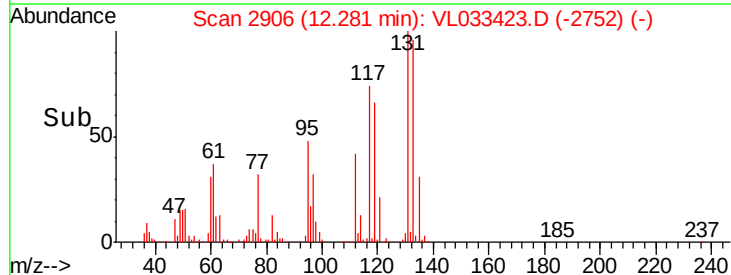
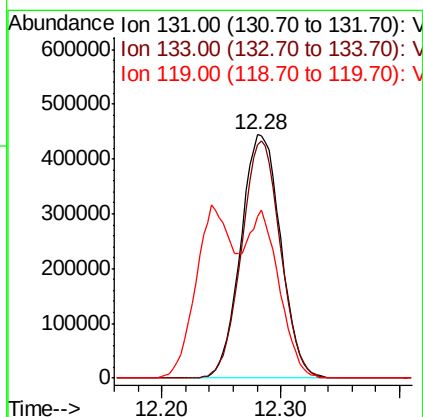
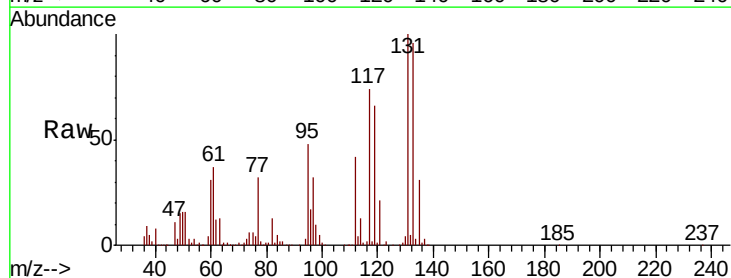
Instrument :
MSVOA_L
ClientSampleId :

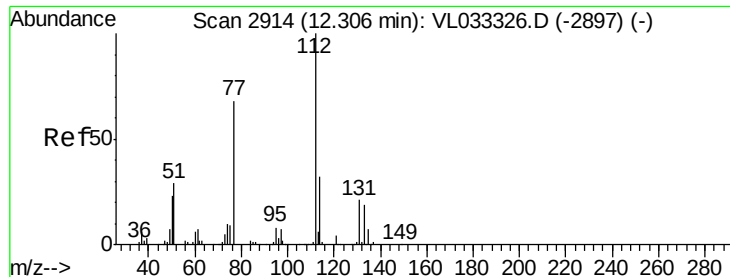
Tot Ion:117 Resp: 2683990
Ion Ratio Lower Upper
117 100
82 53.4 53.4 80.2
119 23.8 27.3 40.9#



#56
1,1,1,2-Tetrachloroethane
Concen: 8.580 ppbv
RT: 12.28 min Scan# 2906
Delta R.T. -0.00 min
Lab File: VL033423.D
Acq: 21 Mar 2019 19:56

Tgt Ion:131 Resp: 1030198
Ion Ratio Lower Upper
131 100
133 95.4 76.7 115.1
119 58.5 40.3 60.5





#57

Chlorobenzene

Concen: 7.995 ppbv

RT: 12.30 min Scan# 2913

Delta R.T. -0.00 min

Lab File: VL033423.D

Acq: 21 Mar 2019 19:56

Instrument :

MSVOA_L

ClientSampleId :

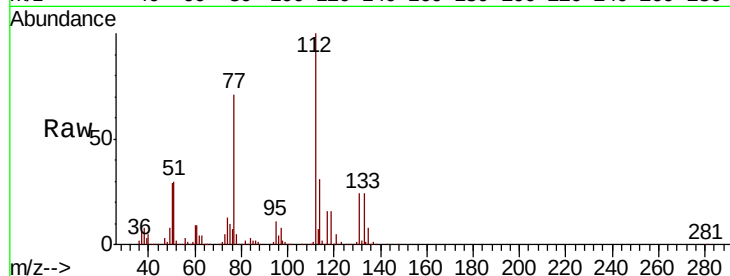
Tot Ion:112 Resp: 1699627

Ion Ratio Lower Upper

112 100

77 71.2 55.8 83.6

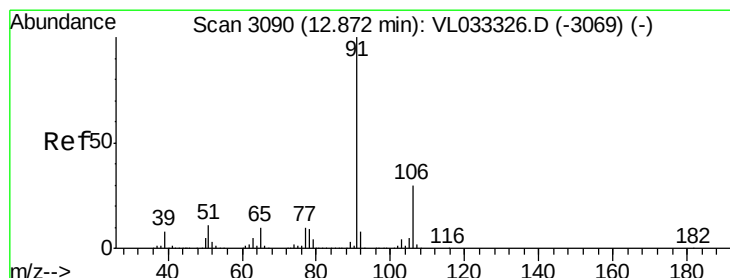
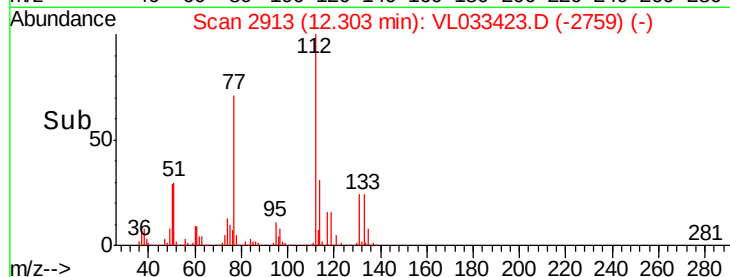
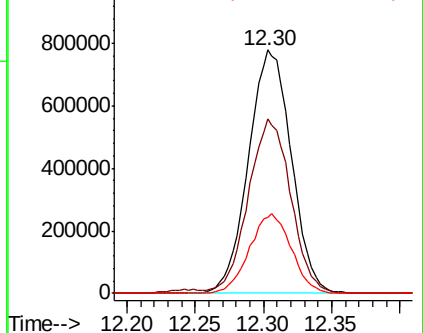
114 31.0 28.6 35.0



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: 8.418 ppbv

RT: 12.87 min Scan# 3089

Delta R.T. -0.00 min

Lab File: VL033423.D

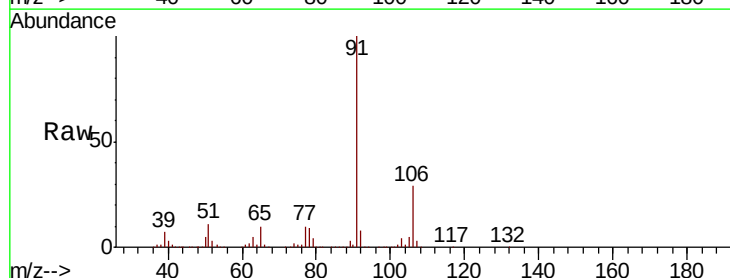
Acq: 21 Mar 2019 19:56

Tgt Ion: 91 Resp: 3196228

Ion Ratio Lower Upper

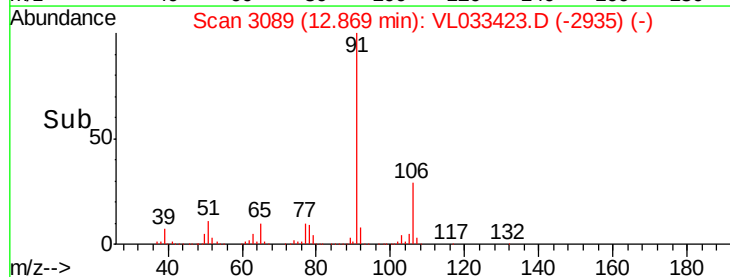
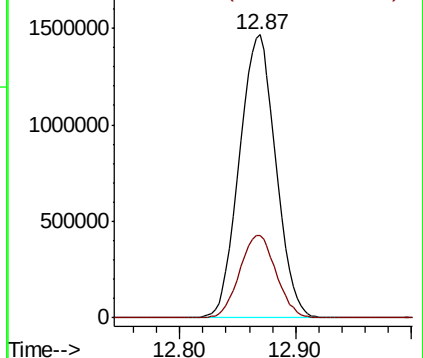
91 100

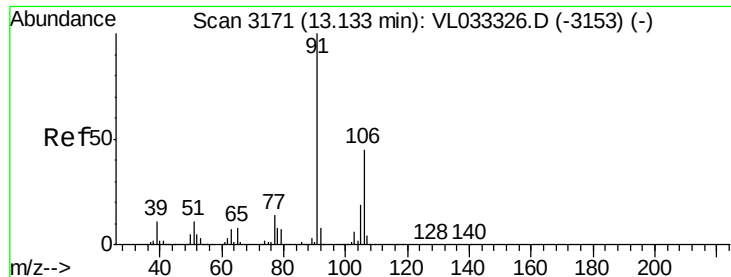
106 29.3 24.2 36.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

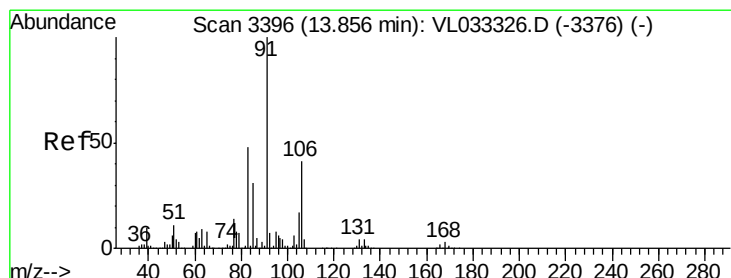
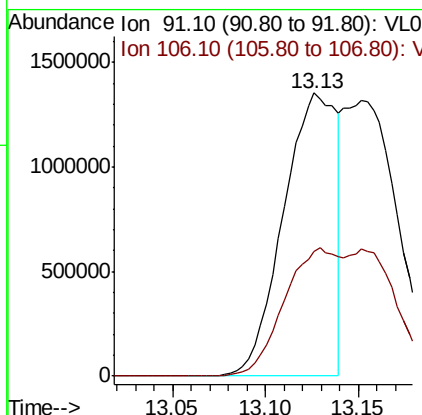
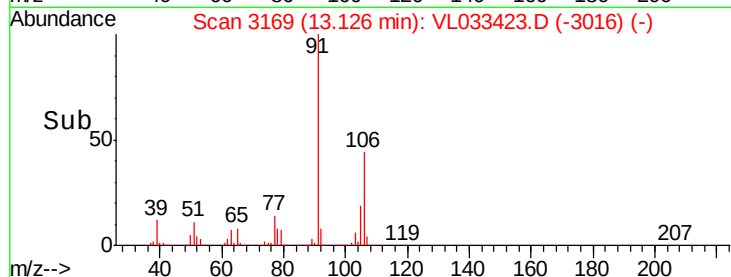
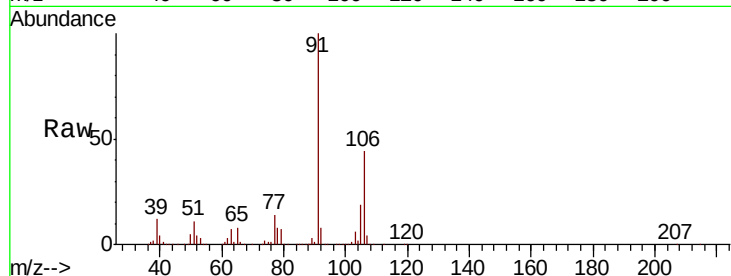




#59
m/p-Xylene
Concen: 8.252 ppbv
RT: 13.13 min Scan# 3169
Delta R.T. -0.01 min
Lab File: VL033423.D
Acq: 21 Mar 2019 19:56

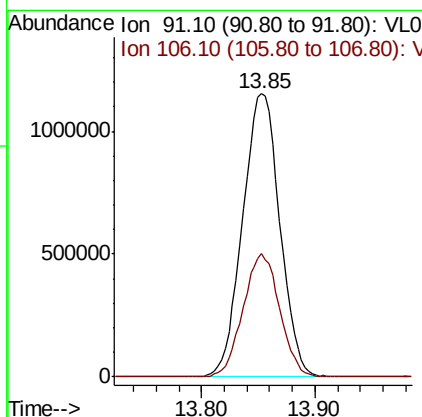
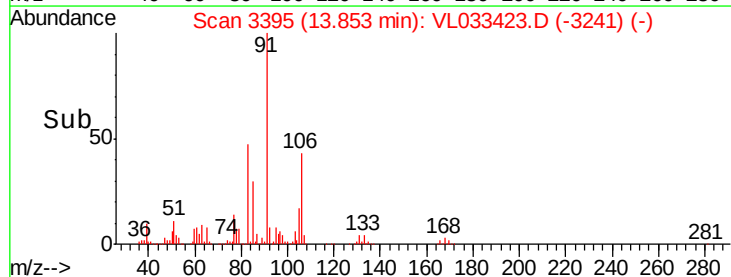
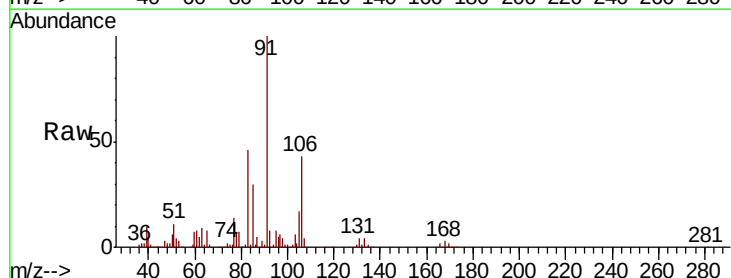
Instrument :
MSVOA_L
ClientSampled :

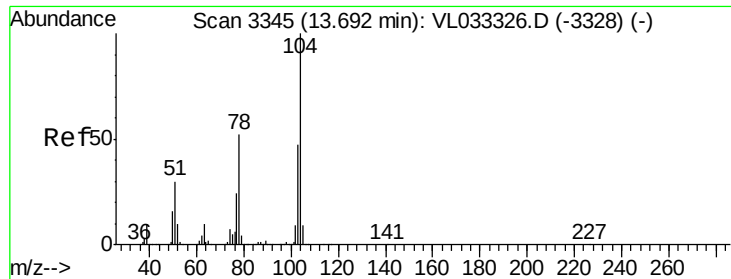
Tot Ion: 91 Resp: 2692756
Ion Ratio Lower Upper
91 100
106 89.0 0.0 0.0#



#60
o-Xylene
Concen: 8.290 ppbv
RT: 13.85 min Scan# 3395
Delta R.T. -0.00 min
Lab File: VL033423.D
Acq: 21 Mar 2019 19:56

Tgt Ion: 91 Resp: 2638865
Ion Ratio Lower Upper
91 100
106 42.8 21.3 63.9

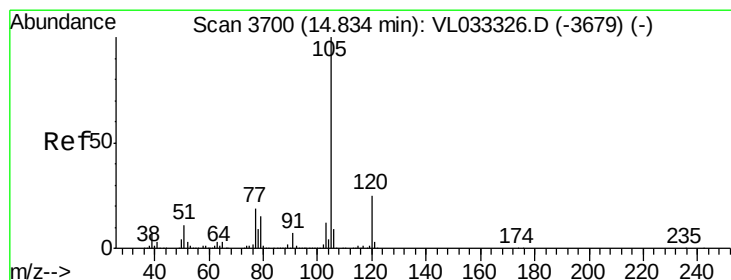
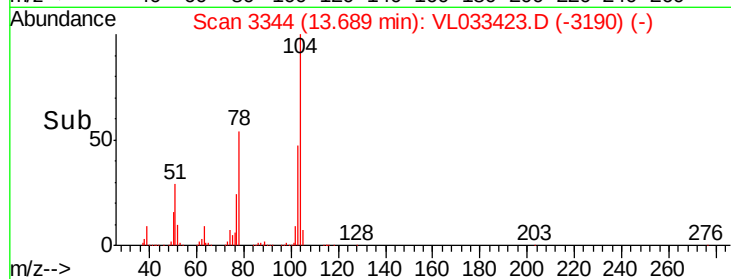
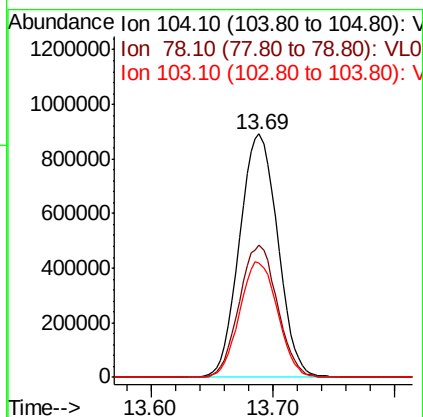
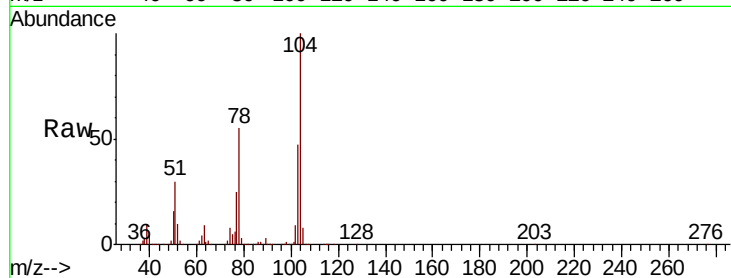




#61
Stvrene
Concen: 8.655 ppbv
RT: 13.69 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VL033423.D
Acq: 21 Mar 2019 19:56

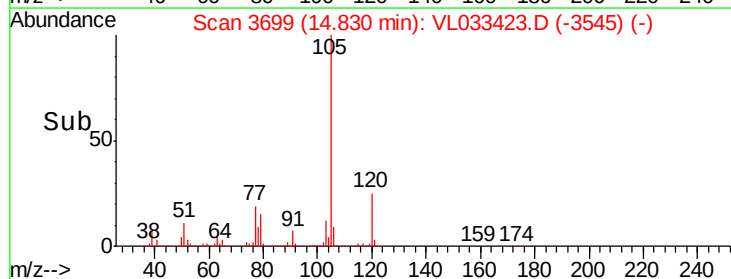
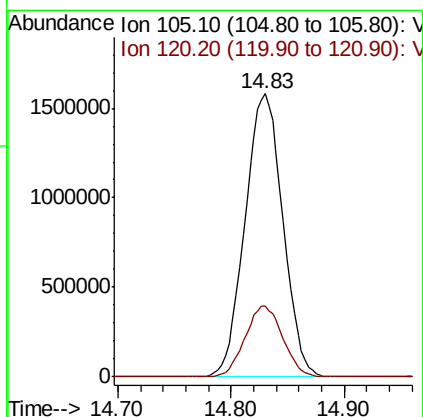
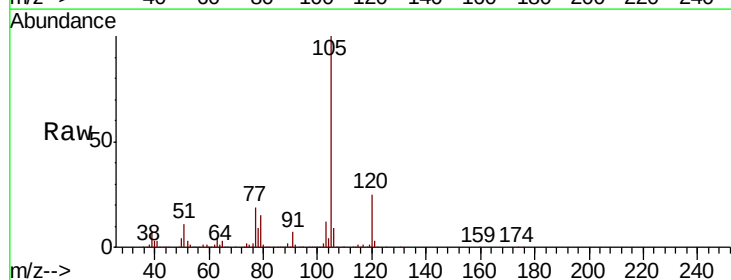
Instrument :
MSVOA_L
ClientSampled :

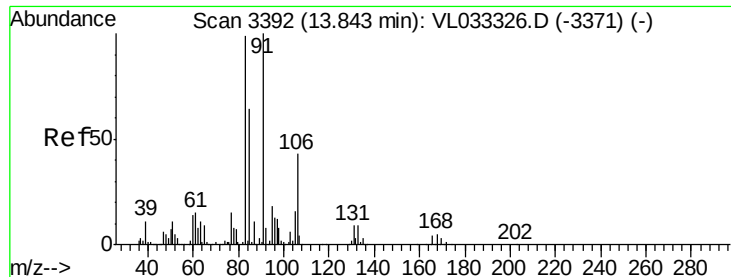
Tot Ion:104 Resp: 1929000
Ion Ratio Lower Upper
104 100
78 54.5 42.7 64.1
103 47.4 38.0 57.0



#62
Isopropylbenzene
Concen: 8.298 ppbv
RT: 14.83 min Scan# 3699
Delta R.T. -0.00 min
Lab File: VL033423.D
Acq: 21 Mar 2019 19:56

Tgt Ion:105 Resp: 3672122
Ion Ratio Lower Upper
105 100
120 24.9 19.9 29.9





#63

1,1,2,2-Tetrachloroethane

Concen: 7.891 ppbv

RT: 13.84 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VL033423.D

Acq: 21 Mar 2019 19:56

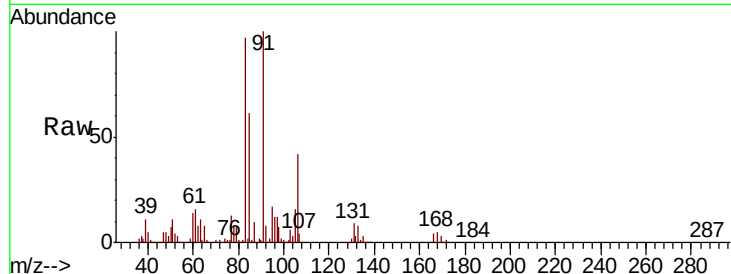
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 83 Resp: 1815881

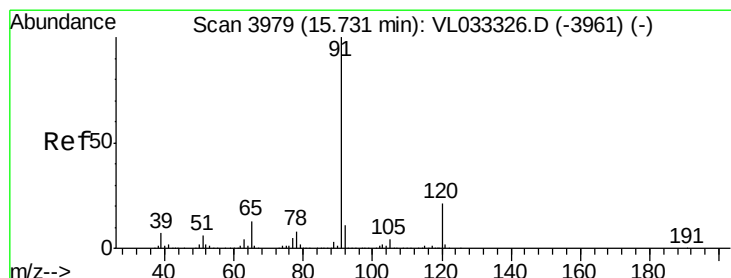
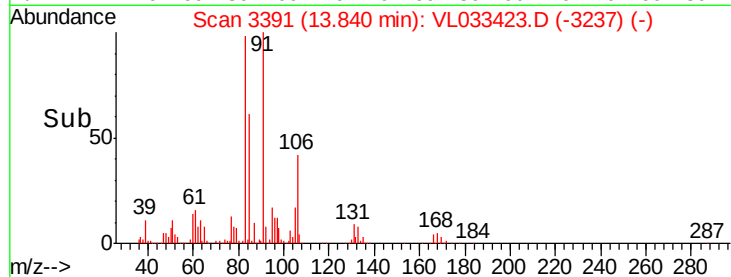
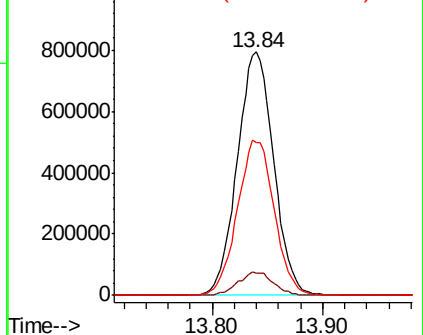
Ion	Ratio	Lower	Upper
83	100		
131	9.3	4.7	14.0
85	64.5	32.5	97.4



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 8.418 ppbv

RT: 15.73 min Scan# 3978

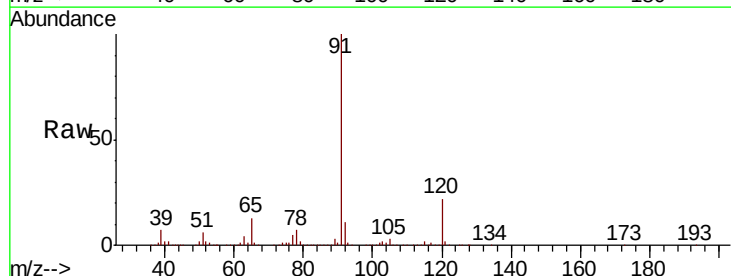
Delta R.T. -0.00 min

Lab File: VL033423.D

Acq: 21 Mar 2019 19:56

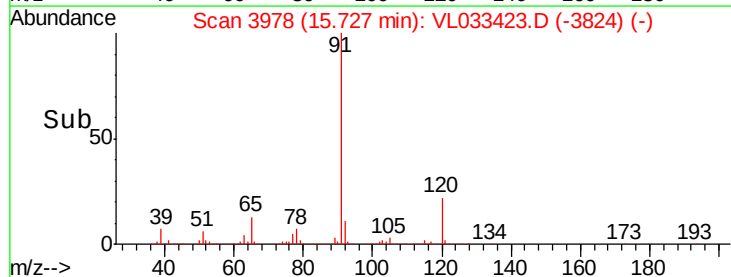
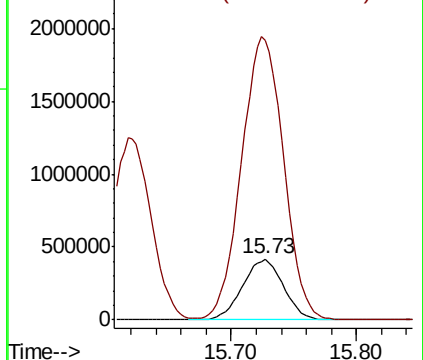
Tgt Ion:120 Resp: 942703

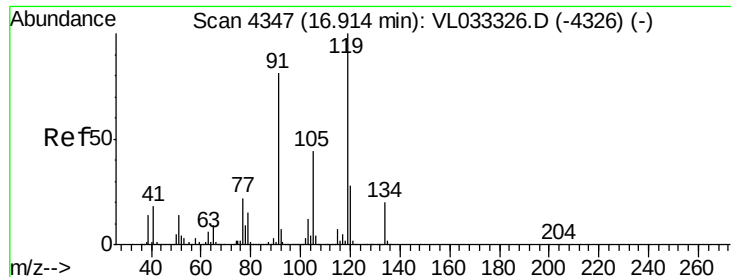
Ion	Ratio	Lower	Upper
120	100		
91	481.2	389.8	584.6



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 8.234 ppbv

RT: 16.91 min Scan# 4347

Delta R.T. -0.00 min

Lab File: VL033423.D

Acq: 21 Mar 2019 19:56

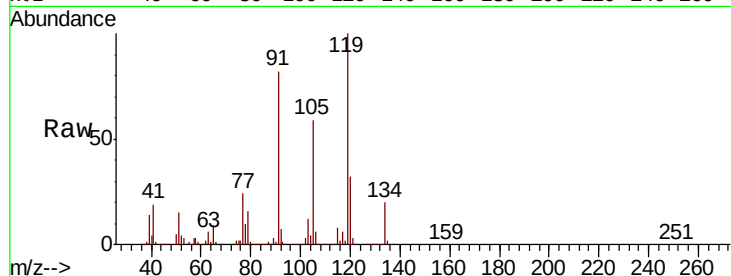
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:119 Resp: 3280851

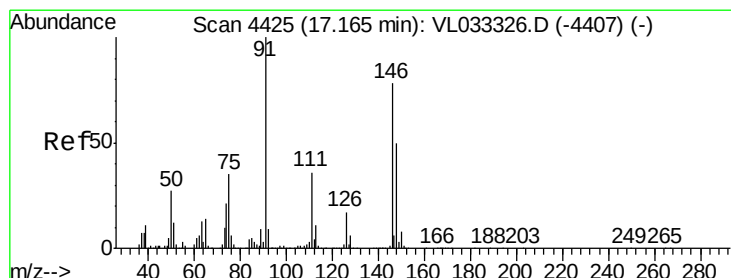
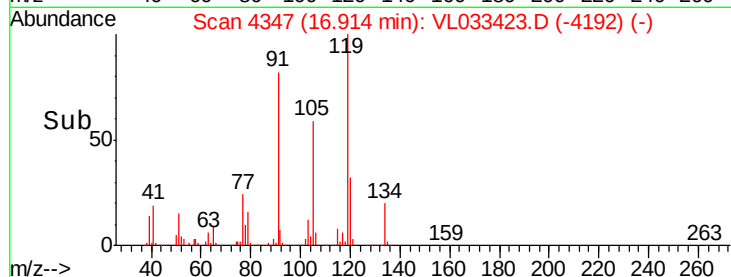
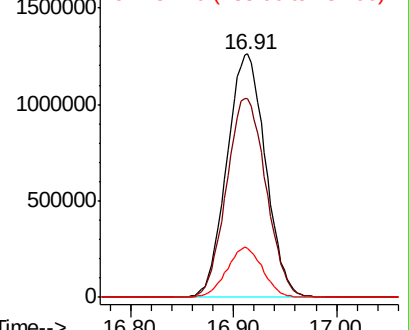
Ion	Ratio	Lower	Upper
119	100		
91	83.7	67.2	100.8
134	19.1	15.4	23.2



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: 9.925 ppbv

RT: 17.16 min Scan# 4424

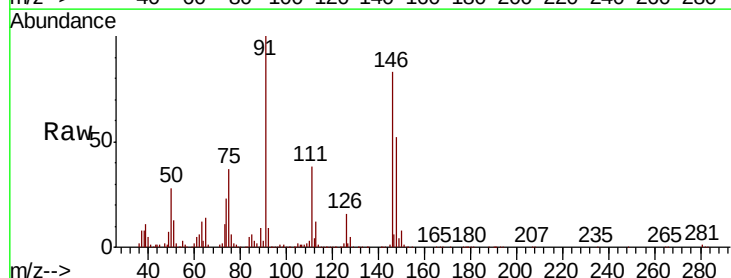
Delta R.T. -0.00 min

Lab File: VL033423.D

Acq: 21 Mar 2019 19:56

Tgt Ion: 91 Resp: 1634071

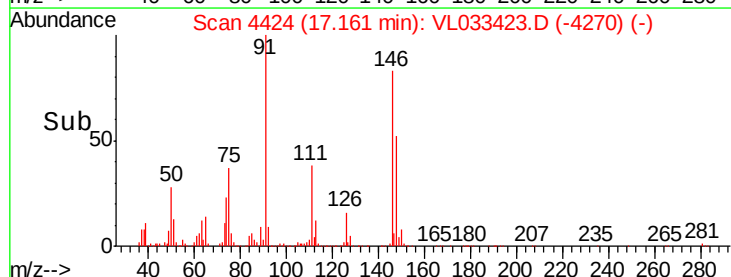
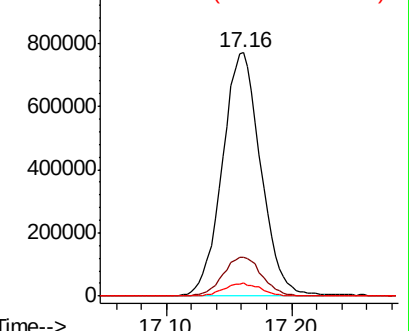
Ion	Ratio	Lower	Upper
91	100		
126	16.4	13.2	19.8
128	5.1	4.2	6.4

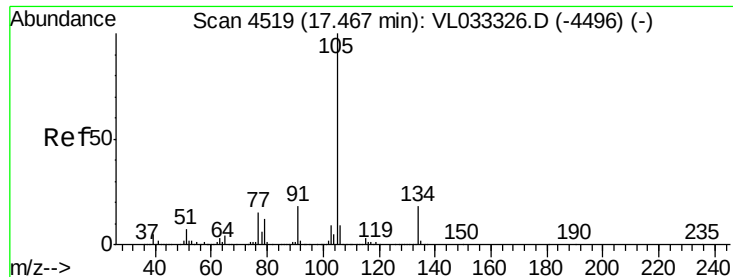


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 8.261 ppbv

RT: 17.46 min Scan# 4517

Delta R.T. -0.01 min

Lab File: VL033423.D

Acq: 21 Mar 2019 19:56

Instrument :

MSVOA_L

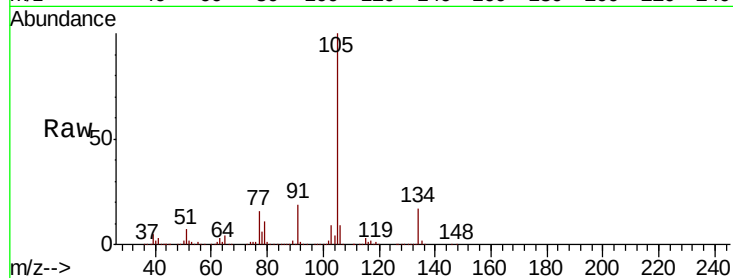
ClientSampled :

Tot Ion: 105 Resp: 4664291

Ion Ratio Lower Upper

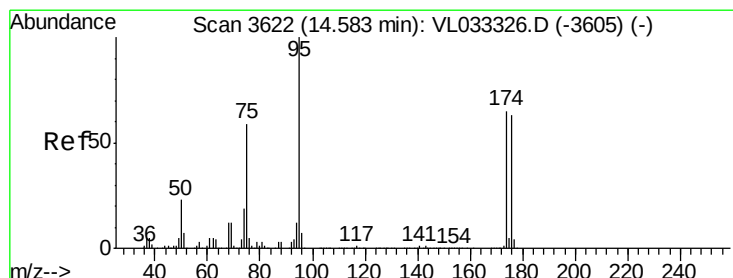
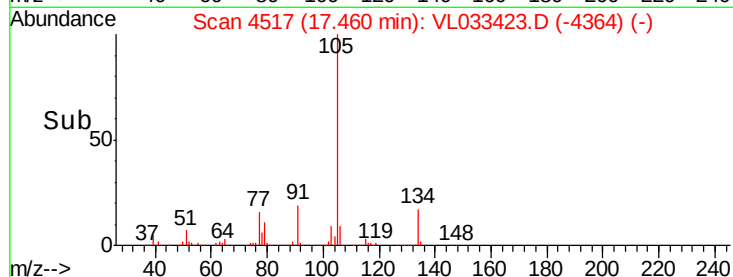
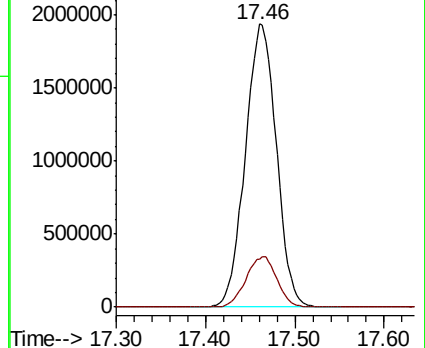
105 100

134 17.9 14.2 21.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 8.123 ppbv

RT: 14.58 min Scan# 3622

Delta R.T. -0.00 min

Lab File: VL033423.D

Acq: 21 Mar 2019 19:56

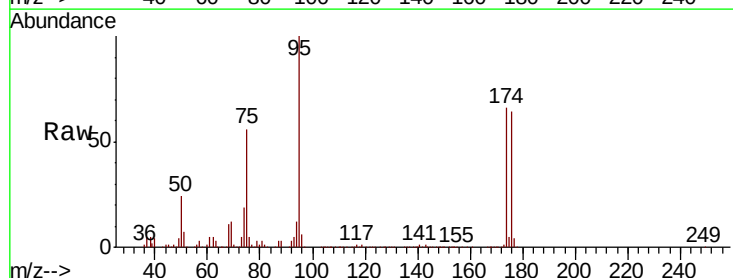
Tgt Ion: 95 Resp: 1615468

Ion Ratio Lower Upper

95 100

174 65.2 51.5 77.3

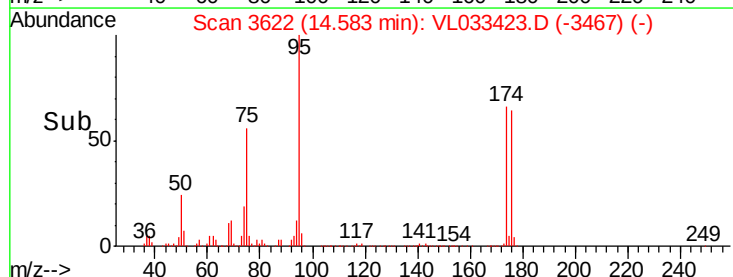
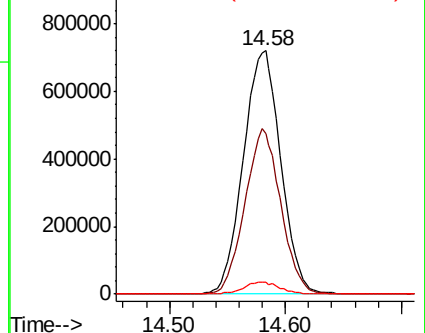
175 4.7 3.8 5.6

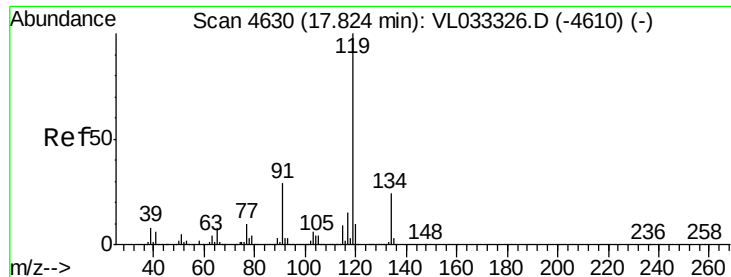


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#69

p-Isopropyltoluene

Concen: 8.316 ppbv

RT: 17.82 min Scan# 4629

Delta R.T. -0.00 min

Lab File: VL033423.D

Acq: 21 Mar 2019 19:56

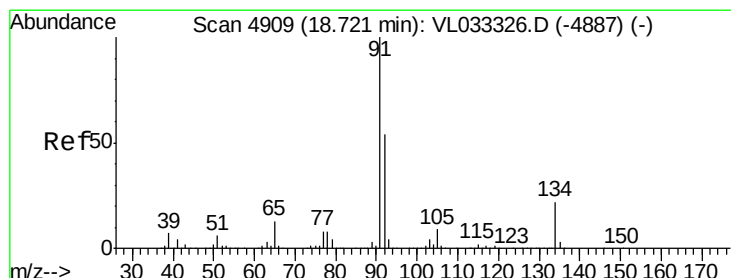
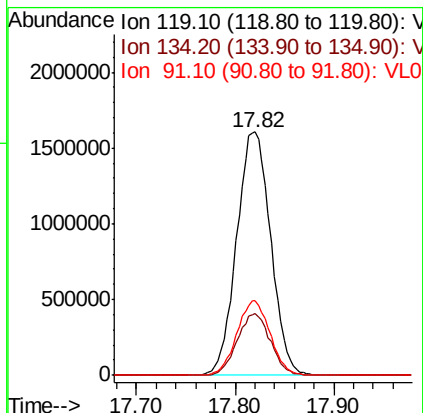
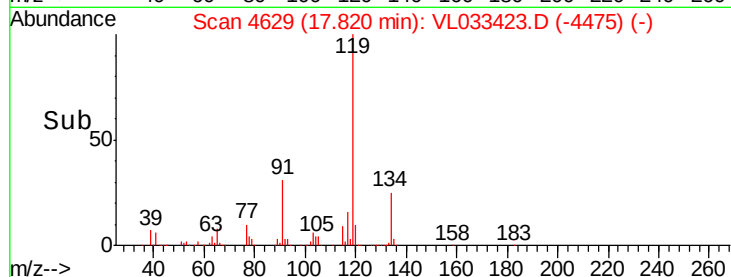
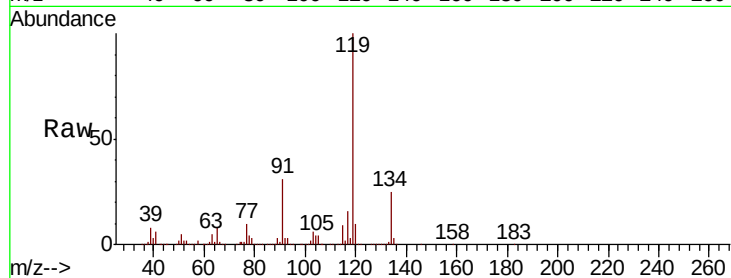
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 119 Resp: 3835695

Ion	Ratio	Lower	Upper
119	100		
134	24.9	19.8	29.6
91	29.9	23.4	35.2



#70

n-Butylbenzene

Concen: 8.161 ppbv

RT: 18.71 min Scan# 4907

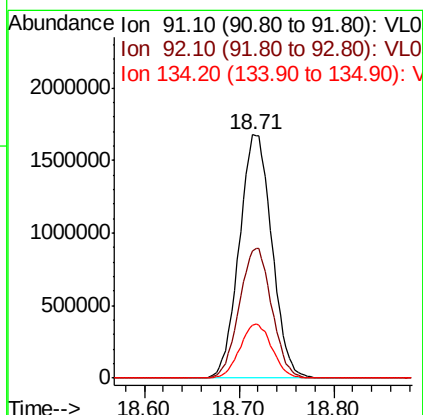
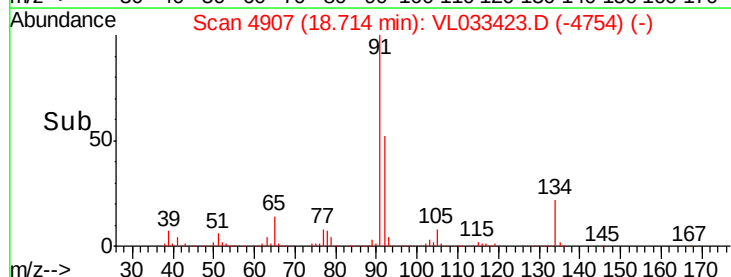
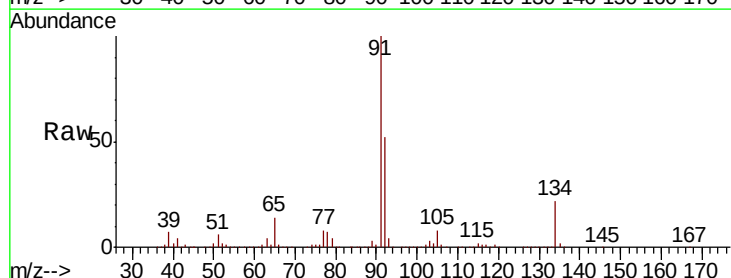
Delta R.T. -0.01 min

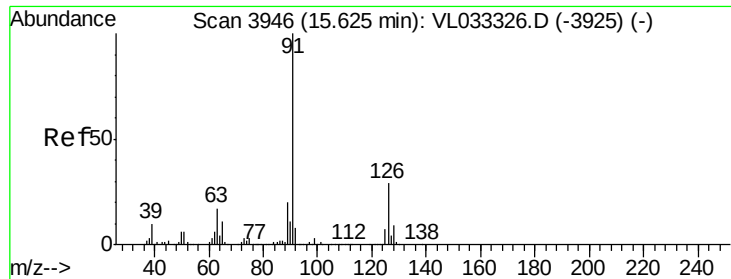
Lab File: VL033423.D

Acq: 21 Mar 2019 19:56

Tgt Ion: 91 Resp: 4013747

Ion	Ratio	Lower	Upper
91	100		
92	53.2	42.8	64.2
134	21.9	17.4	26.0

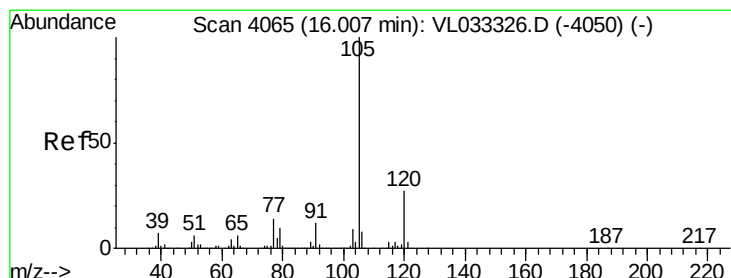
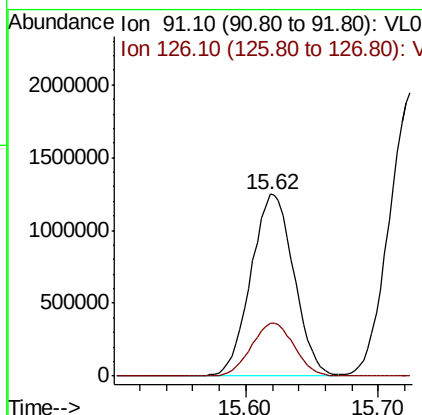
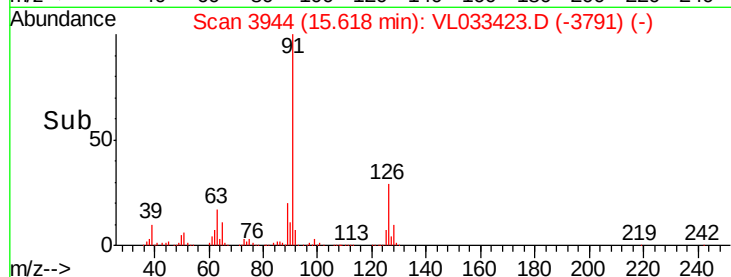
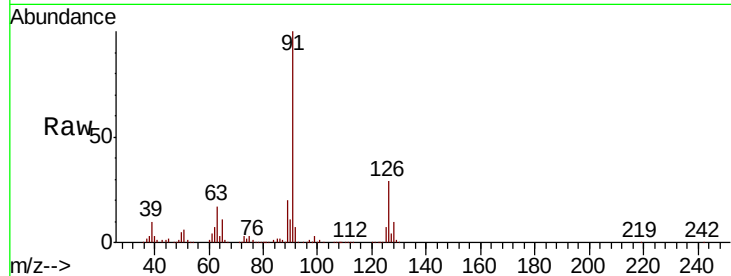




#71
 2-Chlorotoluene
 Concen: 8.196 ppbv
 RT: 15.62 min Scan# 3944
 Delta R.T. -0.01 min
 Lab File: VL033423.D
 Acq: 21 Mar 2019 19:56

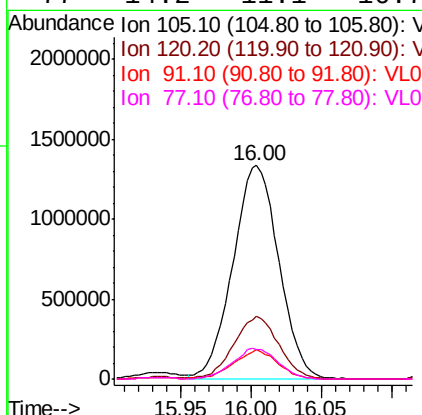
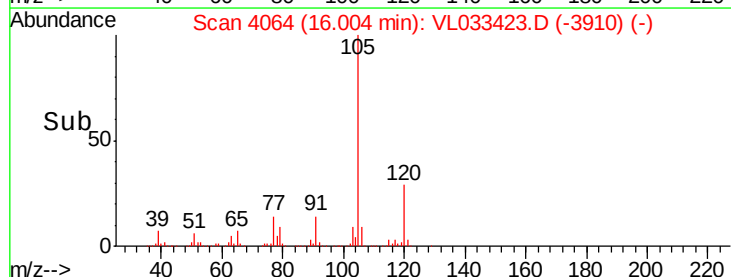
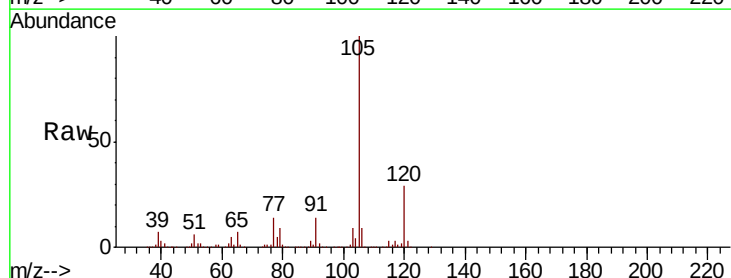
Instrument :
 MSVOA_L
 ClientSampleId :

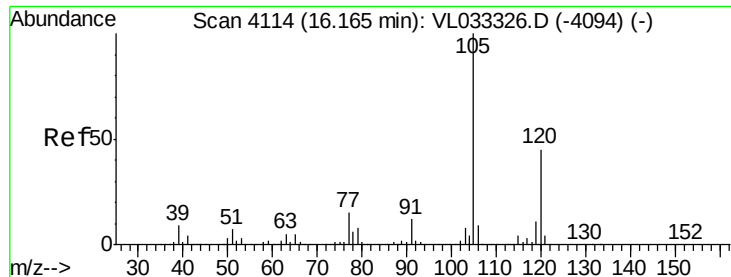
Tot Ion: 91 Resp: 2823542
 Ion Ratio Lower Upper
 91 100
 126 29.3 11.6 46.6



#72
 4-Ethyltoluene
 Concen: 8.371 ppbv
 RT: 16.00 min Scan# 4064
 Delta R.T. -0.00 min
 Lab File: VL033423.D
 Acq: 21 Mar 2019 19:56

Tgt Ion:105 Resp: 3026025
 Ion Ratio Lower Upper
 105 100
 120 28.9 22.9 34.3
 91 13.0 10.2 15.2
 77 14.2 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 8.296 ppbv

RT: 16.16 min Scan# 4113

Delta R.T. -0.00 min

Lab File: VL033423.D

Acq: 21 Mar 2019 19:56

Instrument :

MSVOA_L

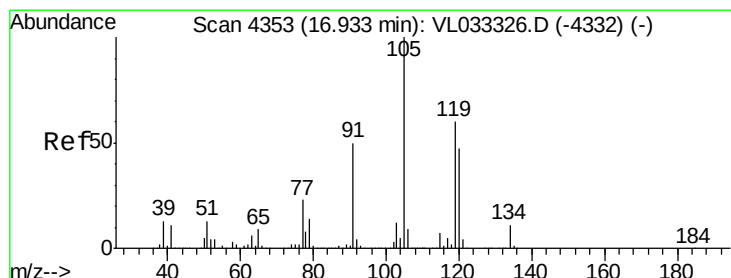
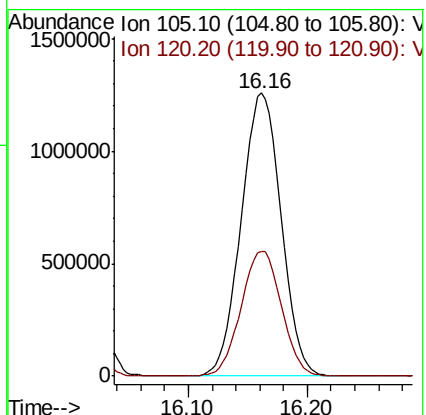
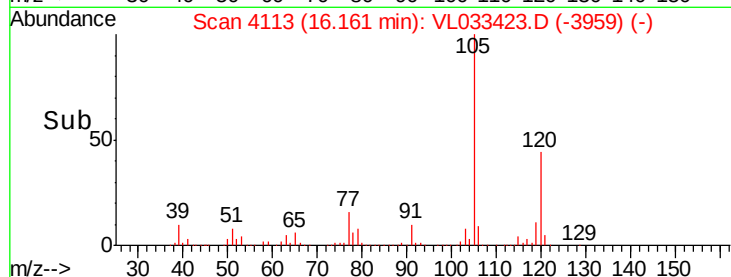
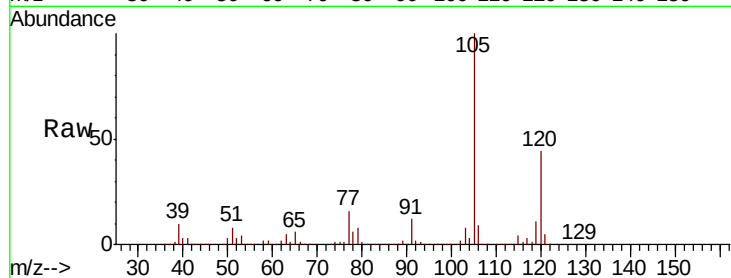
ClientSampleId :

Tot Ion:105 Resp: 2921413

Ion Ratio Lower Upper

105 100

120 44.2 36.2 54.4



#74

1,2,4-Trimethylbenzene

Concen: 8.057 ppbv

RT: 16.93 min Scan# 4352

Delta R.T. -0.00 min

Lab File: VL033423.D

Acq: 21 Mar 2019 19:56

Tgt Ion:105 Resp: 3005076

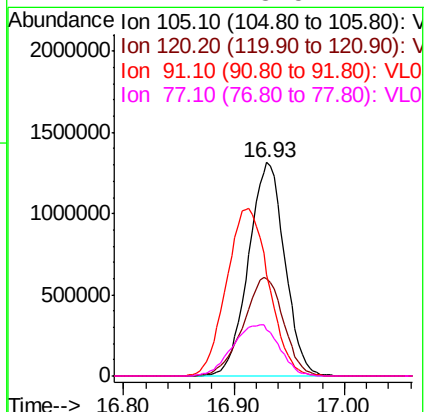
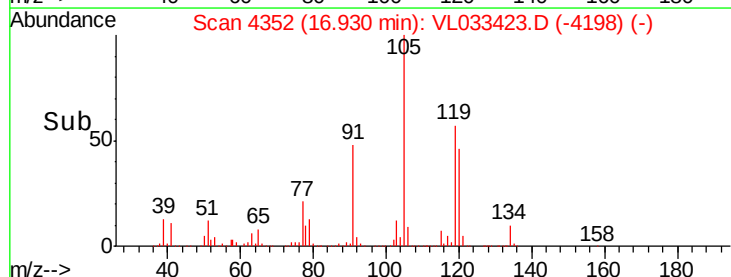
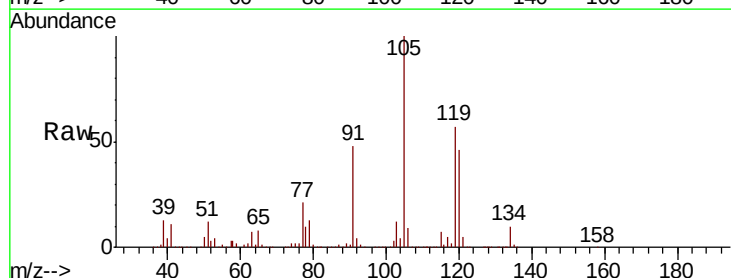
Ion Ratio Lower Upper

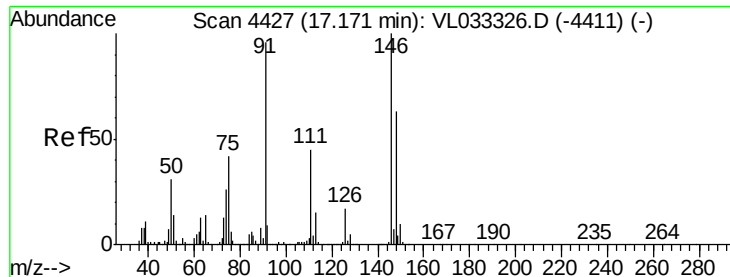
105 100

120 45.8 37.4 56.2

91 47.4 41.0 61.4

77 21.4 18.5 27.7





#75

1,3-Dichlorobenzene

Concen: 7.780 ppbv

RT: 17.17 min Scan# 4426

Delta R.T. -0.00 min

Lab File: VL033423.D

Acq: 21 Mar 2019 19:56

Instrument :

MSVOA_L

ClientSampled :

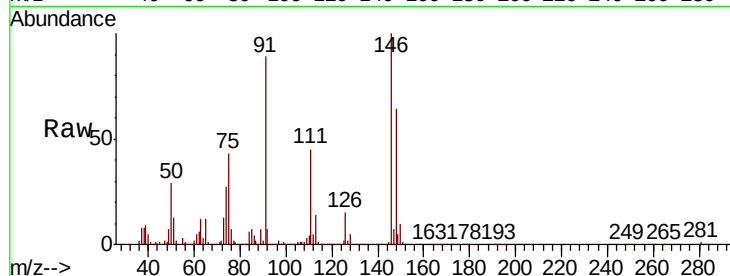
Tot Ion:146 Resp: 1710338

Ion Ratio Lower Upper

146 100

111 45.5 22.8 68.3

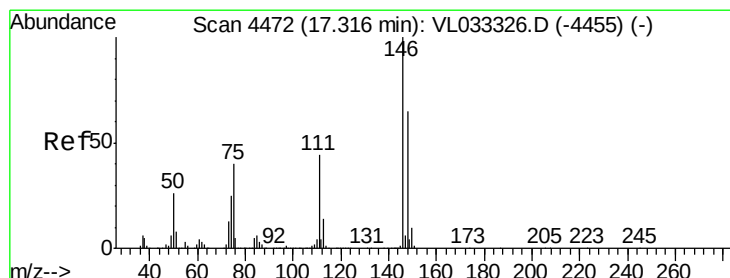
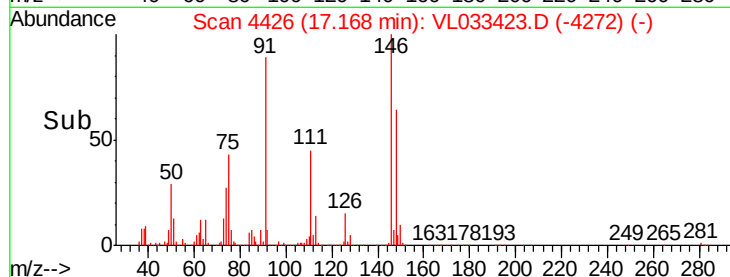
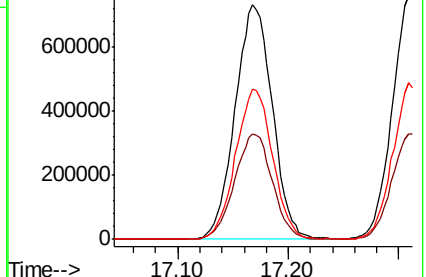
148 63.6 31.9 95.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 8.032 ppbv

RT: 17.31 min Scan# 4470

Delta R.T. -0.01 min

Lab File: VL033423.D

Acq: 21 Mar 2019 19:56

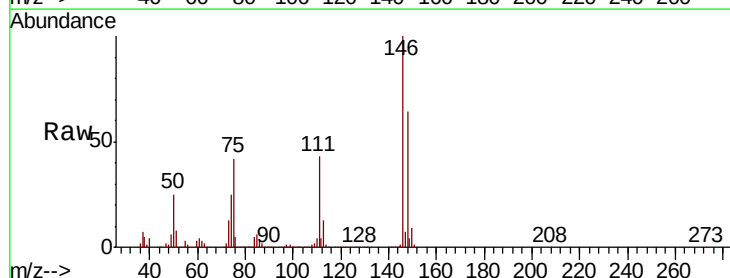
Tgt Ion:146 Resp: 1709505

Ion Ratio Lower Upper

146 100

111 44.0 21.9 65.7

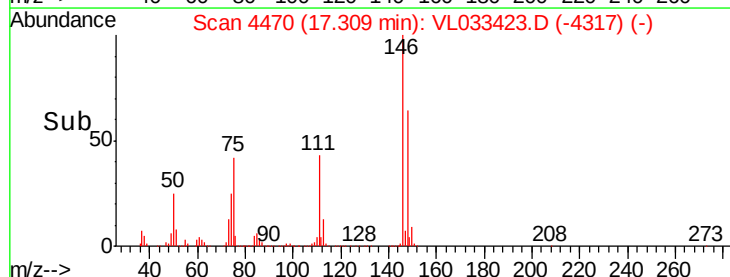
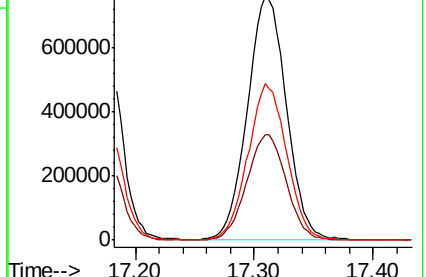
148 64.4 32.1 96.5

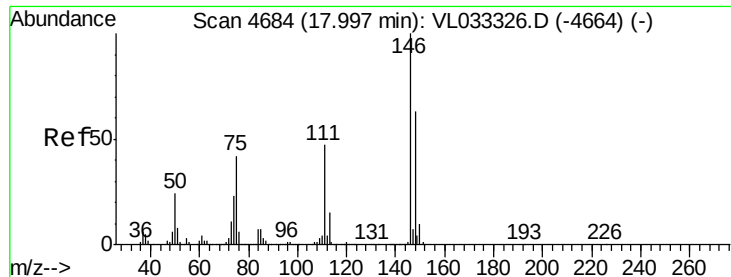


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

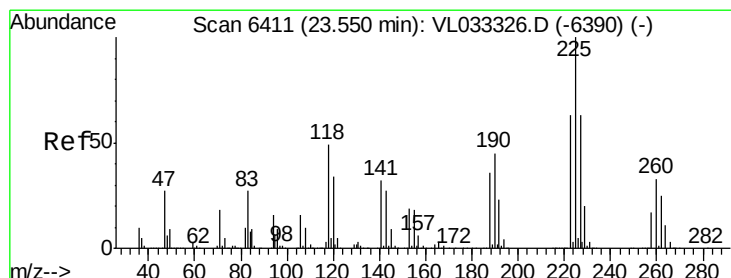
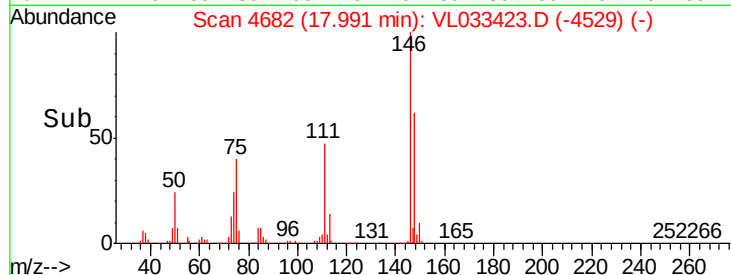
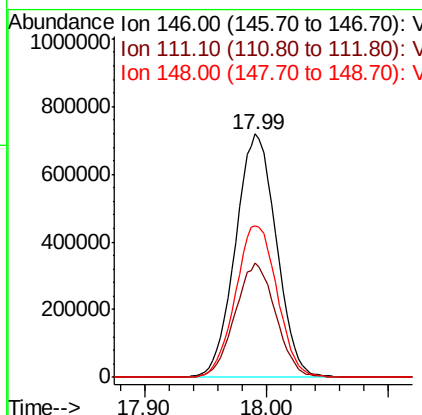
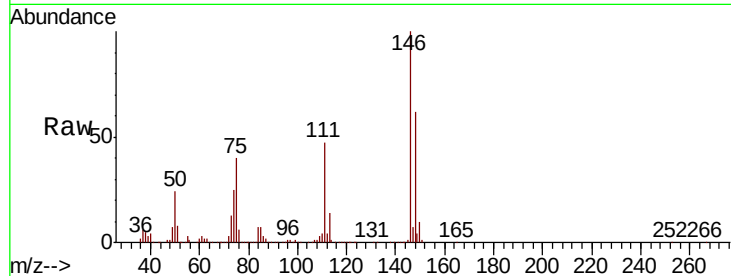




#77
 1,2-Dichlorobenzene
 Concen: 7.964 ppbv
 RT: 17.99 min Scan# 4682
 Delta R.T. -0.01 min
 Lab File: VL033423.D
 Acq: 21 Mar 2019 19:56

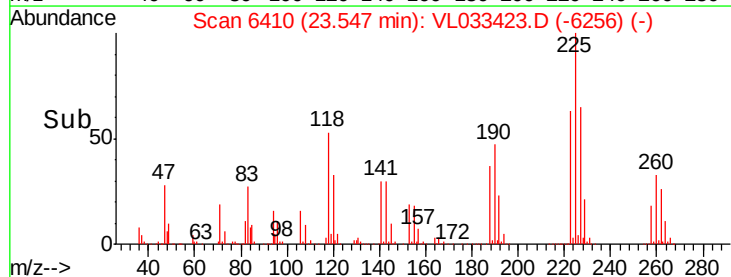
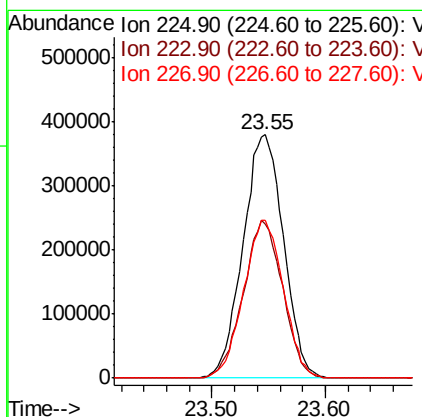
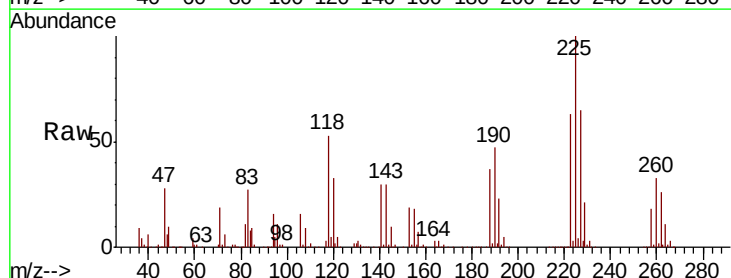
Instrument :
 MSVOA_L
 ClientSampleID :

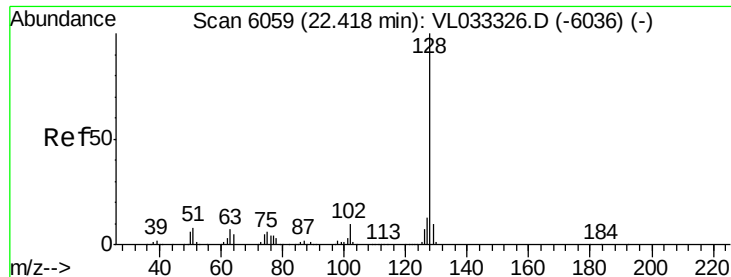
Tot Ion:146 Resp: 1658151
 Ion Ratio Lower Upper
 146 100
 111 47.1 23.5 70.6
 148 64.0 31.9 95.9



#78
 Hexachloro-1,3-Butadiene
 Concen: 7.564 ppbv
 RT: 23.55 min Scan# 6410
 Delta R.T. -0.00 min
 Lab File: VL033423.D
 Acq: 21 Mar 2019 19:56

Tgt Ion:225 Resp: 944113
 Ion Ratio Lower Upper
 225 100
 223 62.8 50.4 75.6
 227 63.7 50.5 75.7





#79

Naphthalene

Concen: 7.228 ppbv

RT: 22.42 min Scan# 6058

Delta R.T. -0.00 min

Lab File: VL033423.D

Acq: 21 Mar 2019 19:56

Instrument :

MSVOA_L

ClientSampleId :

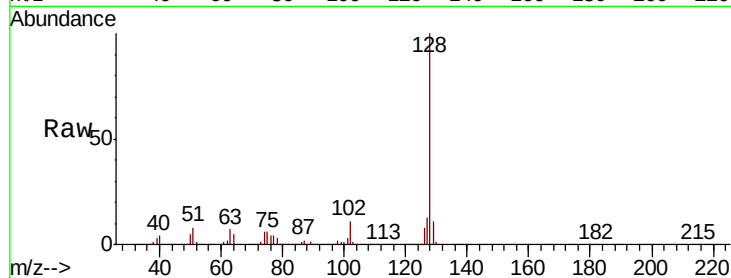
Tot Ion:128 Resp: 2597979

Ion Ratio Lower Upper

128 100

127 13.0 10.1 15.1

129 10.7 8.2 12.2

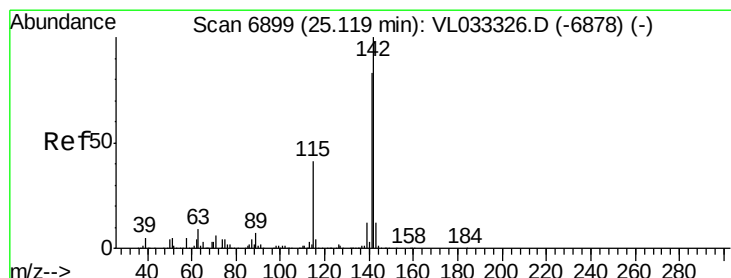
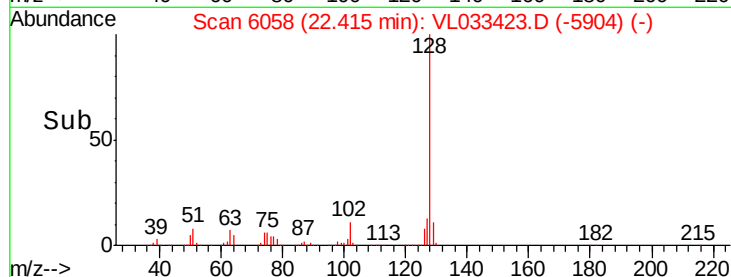
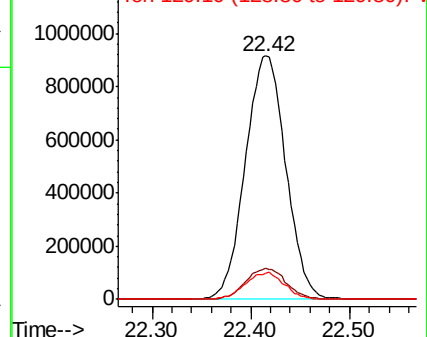


Abundance

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: 4.937 ppbv

RT: 25.11 min Scan# 6897

Delta R.T. -0.01 min

Lab File: VL033423.D

Acq: 21 Mar 2019 19:56

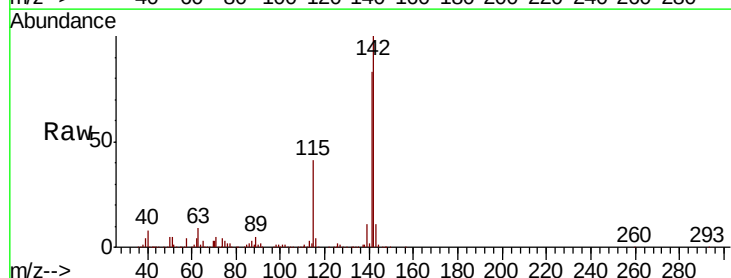
Tgt Ion:142 Resp: 841476

Ion Ratio Lower Upper

142 100

141 84.4 67.1 100.7

115 42.7 33.8 50.6

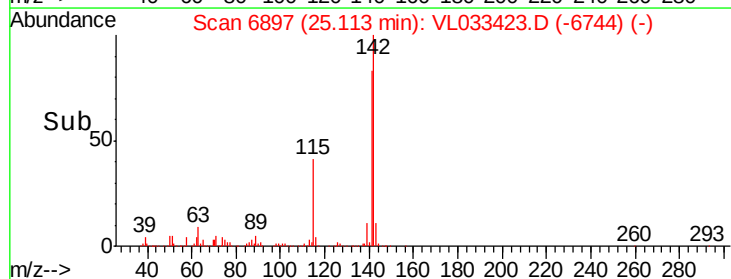
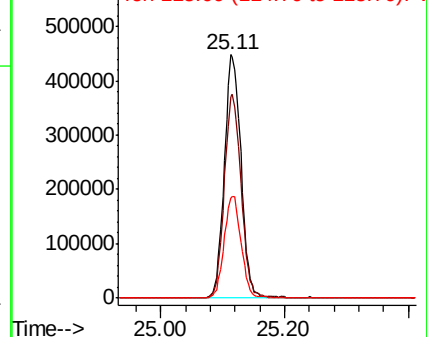


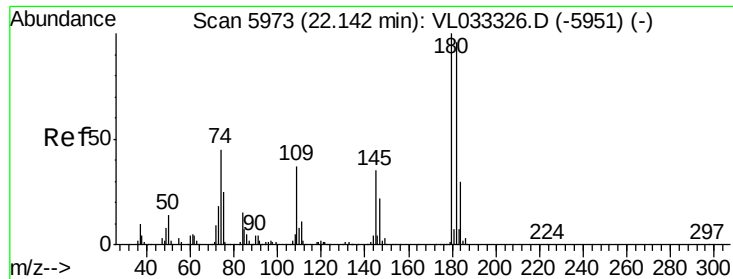
Abundance

Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 7.371 ppbv

RT: 22.14 min Scan# 5973

Delta R.T. -0.00 min

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Acq: 21 Mar 2019 19:56

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:180 Resp: 1351036

Ion Ratio Lower Upper

180 100

182 96.3 76.1 114.1

184 30.6 24.6 37.0

