

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062419\
 Data File : VL033930.D
 Acq On : 24 Jun 2019 9:18
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Jun 25 03:36:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL060719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 07 08:53:27 2019
 QLast Update : Fri Jun 07 08:53:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.74	49	1183394	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.27	114	2592258	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.21	117	3084903	10.00	ppbv	-0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.55	95	2158015	8.52	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	85.20%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.07	85	1465153	7.630	ppbv 97
3) Chlorodifluoromethane	3.00	51	1104536	7.928	ppbv 99
4) Chloromethane	3.16	50	631657	7.949	ppbv 99
5) Vinyl Chloride	3.28	62	627912	8.516	ppbv 97
6) Bromomethane	3.50	94	403044	8.228	ppbv 96
7) Chloroethane	3.59	64	241785	8.292	ppbv 98
8) Dichlorotetrafluoroethane	3.21	85	1646495	8.023	ppbv 100
9) Propene	3.03	41	466364	8.946	ppbv 99
10) Heptane	8.22	43	1444954	10.967	ppbv 99
11) Trichlorofluoromethane	3.99	101	2019448	8.150	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.54	101	1344556	8.029	ppbv 99
13) Ethanol	3.64	45	86282	5.087	ppbv 97
14) Bromoethene	3.78	108	537646	8.616	ppbv 100
15) Acetone	3.89	43	1260355	7.302	ppbv 99
16) 1,3-Butadiene	3.35	39	565466	8.608	ppbv 99
17) tert-Butyl alcohol	4.34	59	1055595	7.824	ppbv 100
18) 1,1-Dichloroethene	4.34	96	591950	8.369	ppbv 98
19) Isopropyl Alcohol	4.01	45	753107	7.638	ppbv 99
20) Methylene Chloride	4.39	84	497977	7.399	ppbv 97
21) Allyl Chloride	4.46	41	865727	8.830	ppbv 99
22) trans-1,2-Dichloroethene	4.95	96	625990	8.396	ppbv 96
23) Vinyl Acetate	5.14	43	1891840	9.430	ppbv 99
24) 1,1-Dichloroethane	5.07	63	1303469	8.354	ppbv 99
25) Ethyl Acetate	5.75	43	2658600	10.115	ppbv 100
26) Hexane	5.76	57	1153188	9.636	ppbv 99
27) Carbon Disulfide	4.60	76	1534974	9.232	ppbv 100
28) Methyl tert-Butyl Ether	5.09	73	1720559	9.508	ppbv 99
29) Chloroform	5.83	83	1976378	9.642	ppbv 98
30) Cyclohexane	7.22	84	938249	11.096	ppbv 97
31) cis-1,2-Dichloroethene	5.62	61	1188736	11.327	ppbv 98
32) 1,1,1-Trichloroethane	6.60	97	1956089	9.893	ppbv 99
34) 2-Butanone	5.31	43	1462056	9.998	ppbv 99
35) Carbon Tetrachloride	7.11	117	2144241	10.706	ppbv 100
36) Benzene	6.98	78	2254441	11.385	ppbv 99
37) 1,2-Dichloroethane	6.39	62	1523336	10.402	ppbv 99
38) Trichloroethene	7.94	130	927360	12.028	ppbv 97
39) 1,2-Dichloropropane	7.71	63	844841	11.054	ppbv 93
40) 1,4-Dioxane	7.93	88	322752	10.354	ppbv # 1
41) Tetrahydrofuran	6.13	42	880112	11.857	ppbv 98
42) Bromodichloromethane	7.89	83	2110011	10.782	ppbv 99
43) Methyl Methacrylate	8.11	69	910687	12.297	ppbv 97

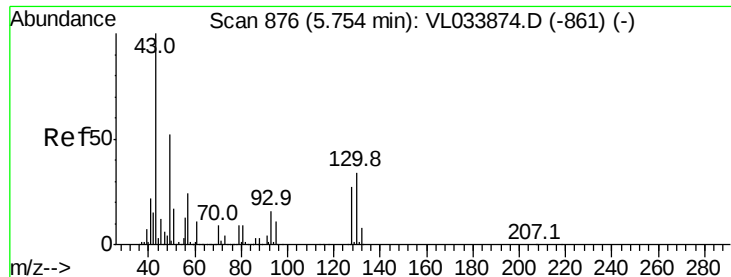
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062419\
 Data File : VL033930.D
 Acq On : 24 Jun 2019 9:18
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Jun 25 03:36:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL060719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 07 08:53:27 2019
 QLast Update : Fri Jun 07 08:53:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.97	57	3843824	10.916	ppbv	99
45) t-1,3-Dichloropropene	9.39	75	1109136	11.414	ppbv	98
46) cis-1,3-Dichloropropene	8.81	75	1400923	12.583	ppbv	97
47) 1,1,2-Trichloroethane	9.59	97	827829	9.086	ppbv	97
48) Dibromochloromethane	10.43	129	1604287	9.798	ppbv	100
49) Bromoform	13.18	173	1640793	11.352	ppbv	99
50) 4-Methyl-2-Pentanone	8.85	43	2520525	11.558	ppbv	100
51) 2-Hexanone	10.25	43	1850251	10.865	ppbv #	99
52) Tetrachloroethene	11.34	164	828200	11.886	ppbv	96
53) Toluene	9.92	91	2336878	10.664	ppbv	99
54) 1,2-Dibromoethane	10.73	107	1338705	9.747	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.25	131	1139191	8.453	ppbv	99
57) Chlorobenzene	12.27	112	1965844	8.508	ppbv	98
58) Ethyl Benzene	12.84	91	3253977	9.356	ppbv	98
59) m/p-Xylene	13.12	91	3115679	9.851	ppbv #	32
60) o-Xylene	13.82	91	3109300	9.521	ppbv	100
61) Styrene	13.66	104	2277332	10.776	ppbv	99
62) Isopropylbenzene	14.80	105	4063959	9.233	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.81	83	2227472	9.062	ppbv	100
64) n-propylbenzene	15.70	120	1071773	9.509	ppbv	99
65) tert-Butylbenzene	16.88	119	3832281	9.410	ppbv	99
66) Benzyl Chloride	17.13	91	2165149	10.491	ppbv	100
67) sec-Butylbenzene	17.43	105	5276684	9.236	ppbv	99
69) p-Isopropyltoluene	17.79	119	4445621	9.352	ppbv	100
70) n-Butylbenzene	18.69	91	5126758	9.847	ppbv	100
71) 2-Chlorotoluene	15.59	91	3177290	9.799	ppbv	100
72) 4-Ethyltoluene	15.97	105	3651165	9.825	ppbv	100
73) 1,3,5-Trimethylbenzene	16.13	105	3506161	9.578	ppbv	100
74) 1,2,4-Trimethylbenzene	16.90	105	3766862	8.928	ppbv	98
75) 1,3-Dichlorobenzene	17.14	146	2169029	8.209	ppbv	100
76) 1,4-Dichlorobenzene	17.28	146	2118635	8.733	ppbv	99
77) 1,2-Dichlorobenzene	17.96	146	2078457	8.525	ppbv	100
78) Hexachloro-1,3-Butadiene	23.52	225	1748554	9.182	ppbv	99
79) Naphthalene	22.38	128	3432990	10.180	ppbv	98
80) Naphthalene, 2-methyl-	25.09	142	1491682	11.086	ppbv #	94
81) 1,2,4-Trichlorobenzene	22.10	180	2014412	9.462	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.74 min Scan# 873

Delta R.T. -0.01 min

Lab File: VL033930.D

Acq: 24 Jun 2019 9:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

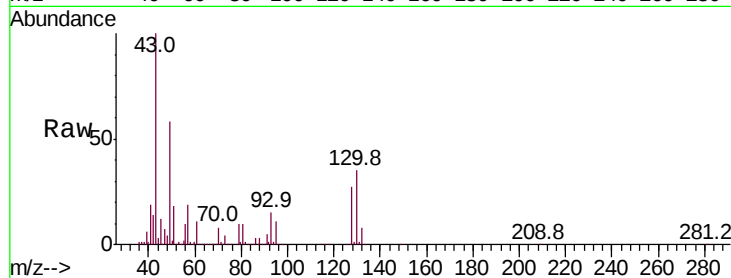
Tot Ion: 49 Resp: 1183394

Ion Ratio Lower Upper

49 100

128 47.4 25.5 76.5

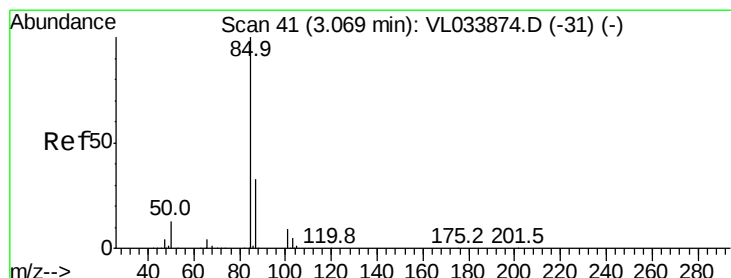
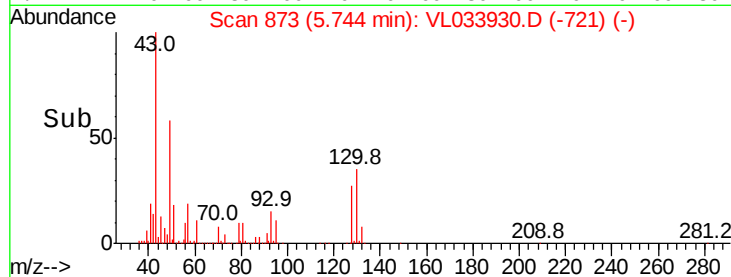
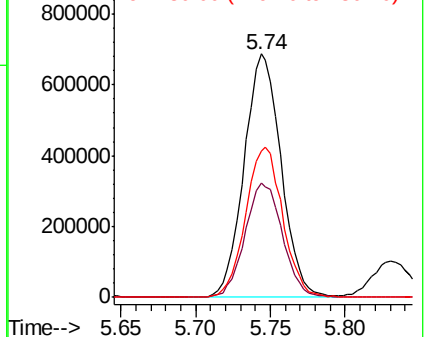
130 61.8 32.5 97.4



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 7.630 ppbv

RT: 3.07 min Scan# 40

Delta R.T. -0.00 min

Lab File: VL033930.D

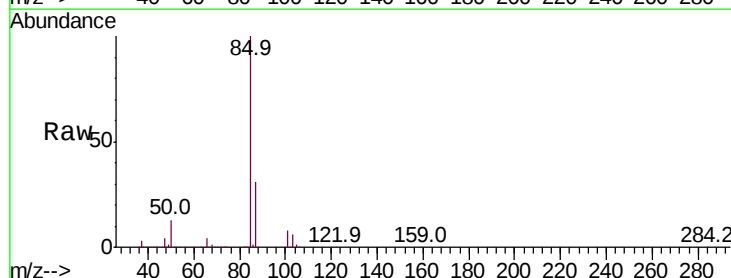
Acq: 24 Jun 2019 9:18

Tgt Ion: 85 Resp: 1465153

Ion Ratio Lower Upper

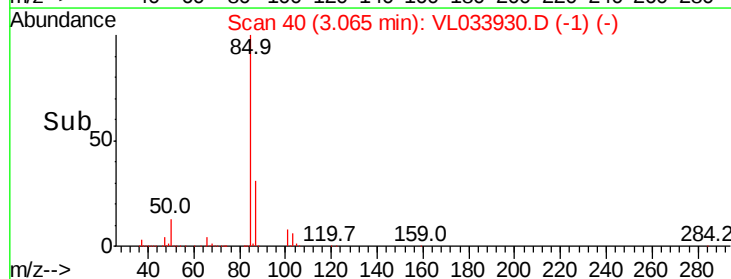
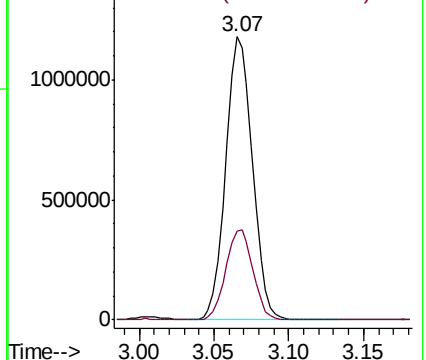
85 100

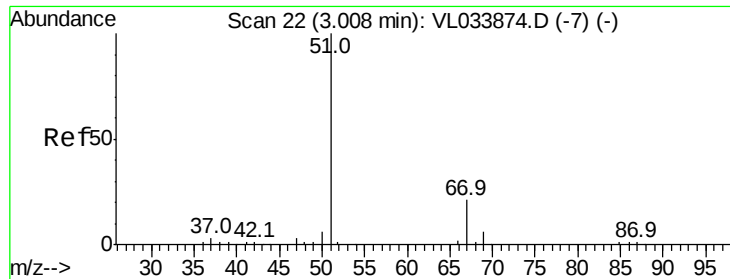
87 31.4 26.6 40.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

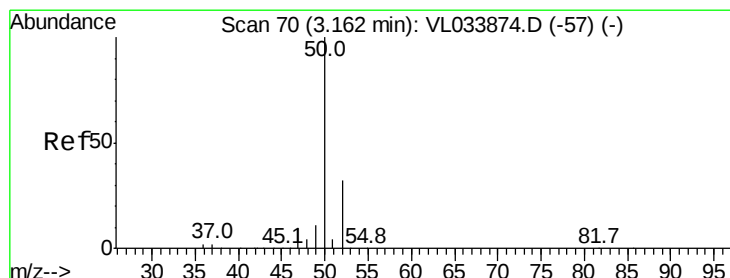
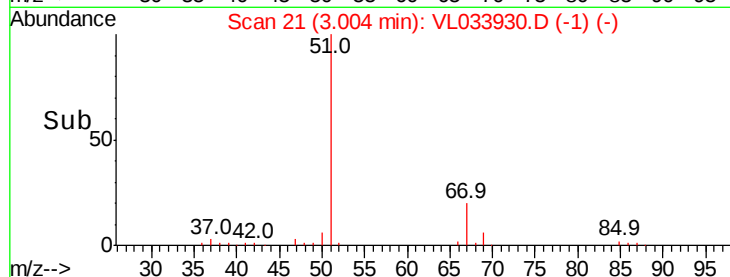
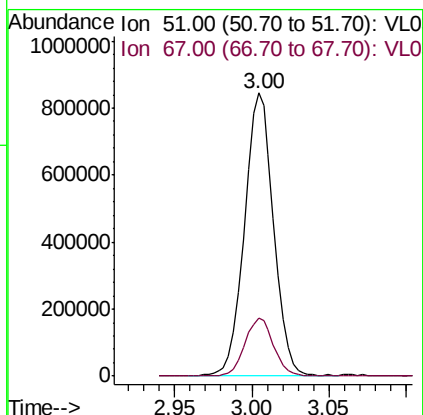
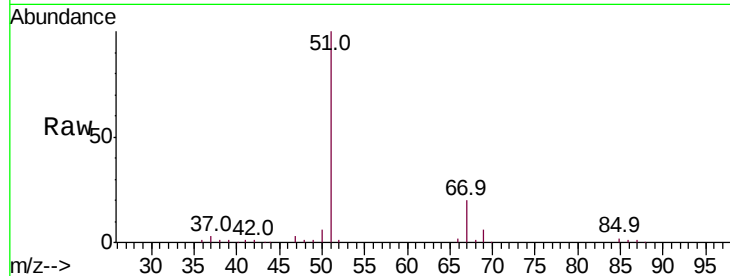




#3
Chlorodifluoromethane
Concen: 7.928 ppbv
RT: 3.00 min Scan# 21
Delta R.T. -0.00 min
Lab File: VL033930.D
Acq: 24 Jun 2019 9:18

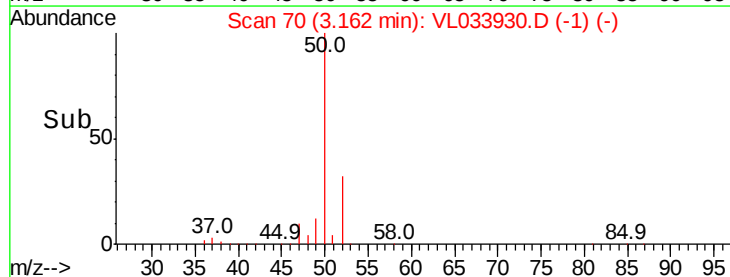
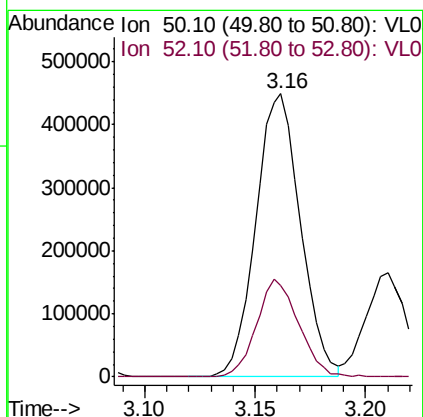
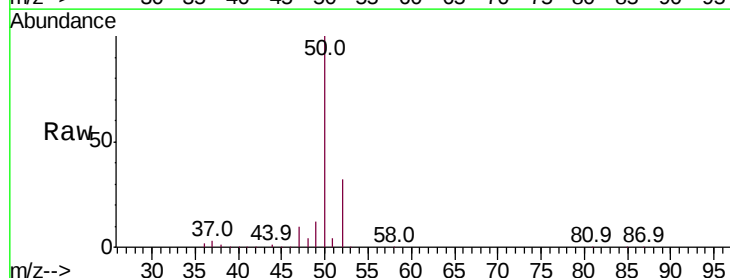
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

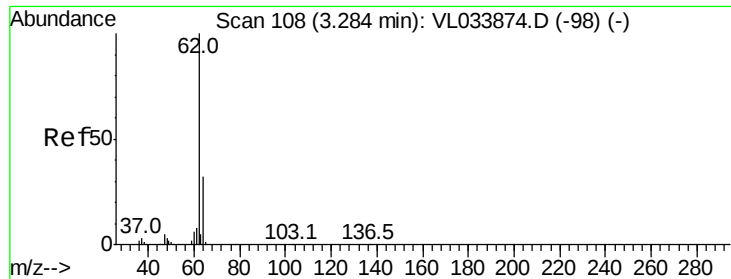
Tot Ion: 51 Resp: 1104536
Ion Ratio Lower Upper
51 100
67 20.2 16.4 24.6



#4
Chloromethane
Concen: 7.949 ppbv
RT: 3.16 min Scan# 70
Delta R.T. -0.00 min
Lab File: VL033930.D
Acq: 24 Jun 2019 9:18

Tgt Ion: 50 Resp: 631657
Ion Ratio Lower Upper
50 100
52 32.5 25.4 38.0





#5

Vinyl Chloride

Concen: 8.516 ppbv

RT: 3.28 min Scan# 107

Delta R.T. -0.00 min

Lab File: VL033930.D

Acq: 24 Jun 2019 9:18

Instrument :

MSVOA_L

ClientSampleId :

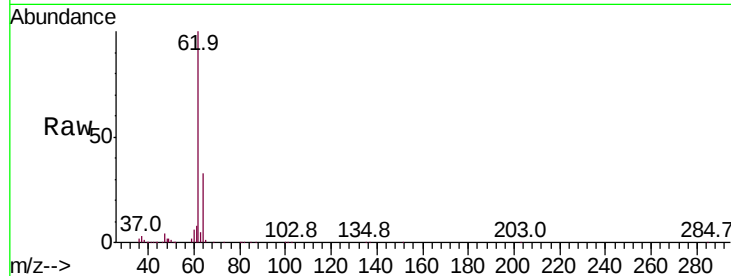
VSTDCCC010

Tot Ion: 62 Resp: 627912

Ion Ratio Lower Upper

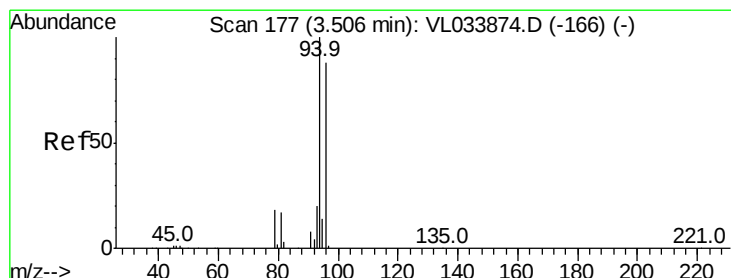
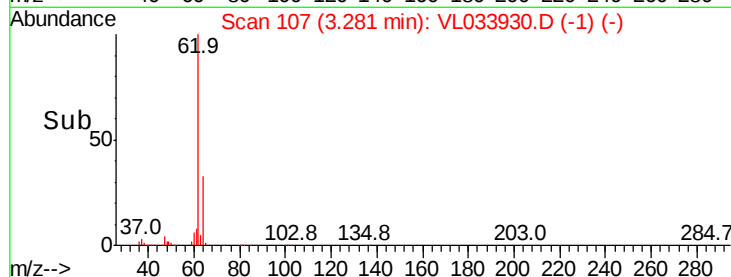
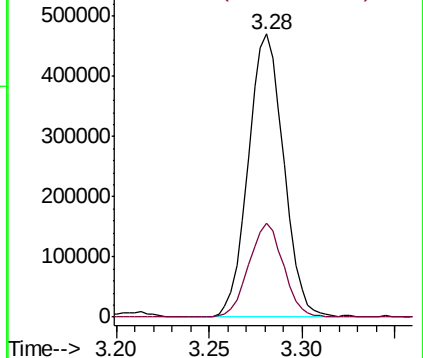
62 100

64 33.2 25.2 37.8



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 8.228 ppbv

RT: 3.50 min Scan# 176

Delta R.T. -0.00 min

Lab File: VL033930.D

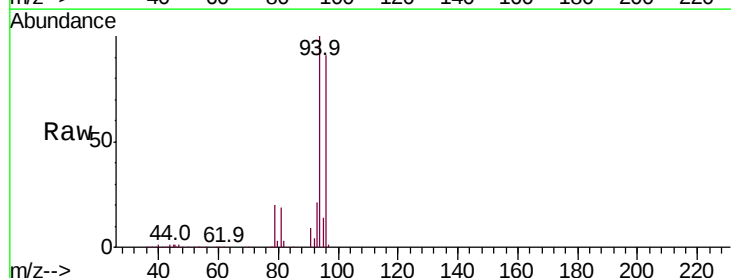
Acq: 24 Jun 2019 9:18

Tgt Ion: 94 Resp: 403044

Ion Ratio Lower Upper

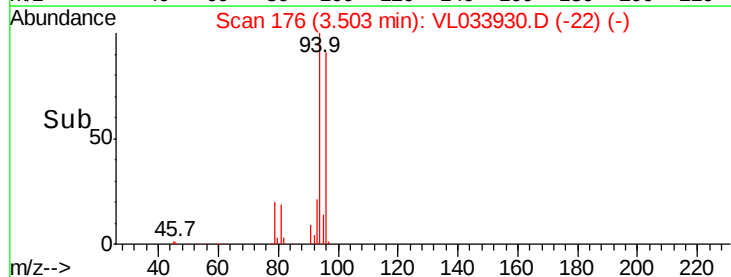
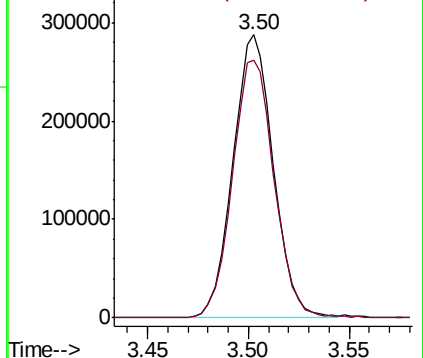
94 100

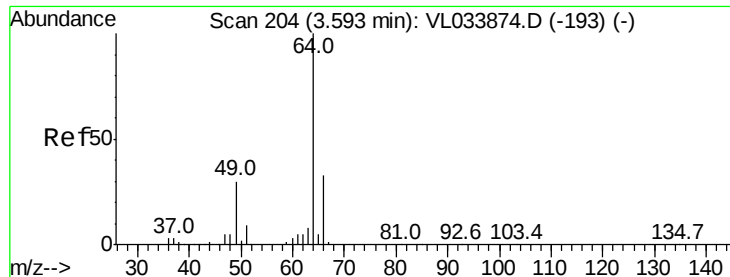
96 91.1 70.2 105.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 8.292 ppbv

RT: 3.59 min Scan# 203

Delta R.T. -0.00 min

Lab File: VL033930.D

Acq: 24 Jun 2019 9:18

Instrument :

MSVOA_L

ClientSampleId :

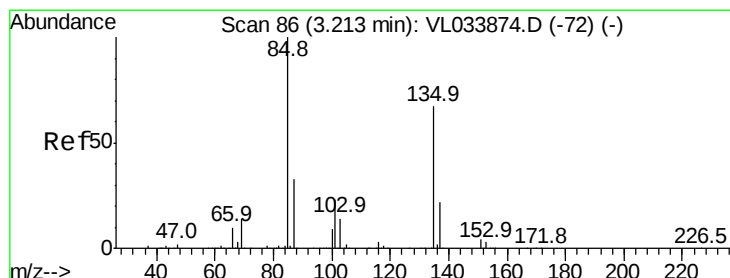
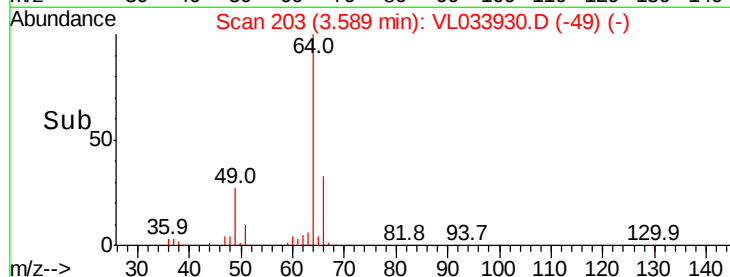
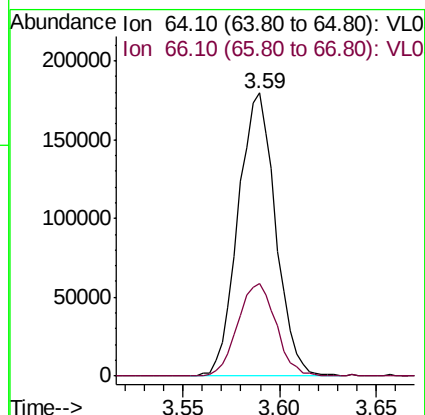
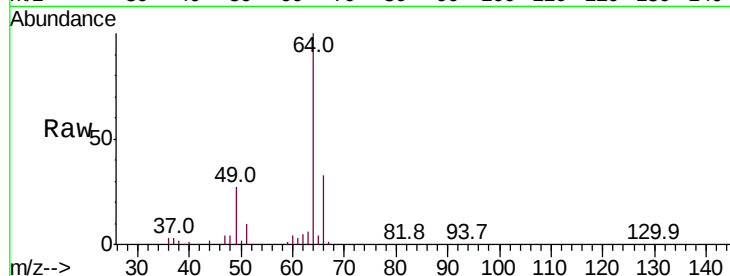
VSTDCCC010

Tot Ion: 64 Resp: 241785

Ion Ratio Lower Upper

64 100

66 32.5 26.7 40.1



#8

Dichlorotetrafluoroethane

Concen: 8.023 ppbv

RT: 3.21 min Scan# 85

Delta R.T. -0.00 min

Lab File: VL033930.D

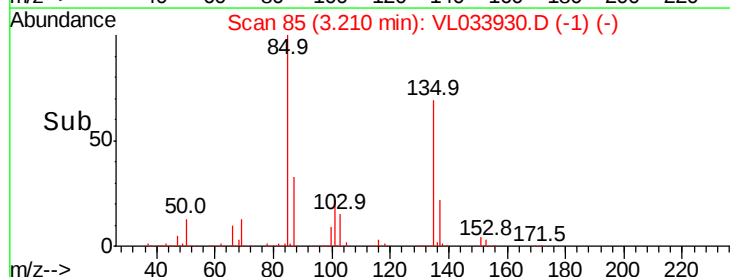
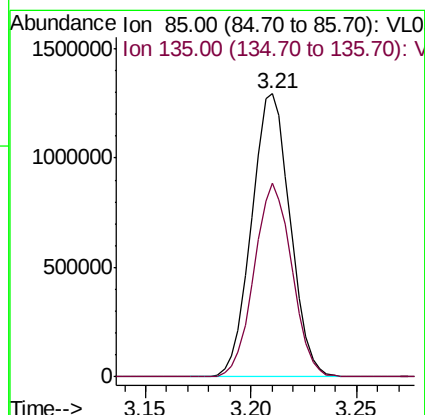
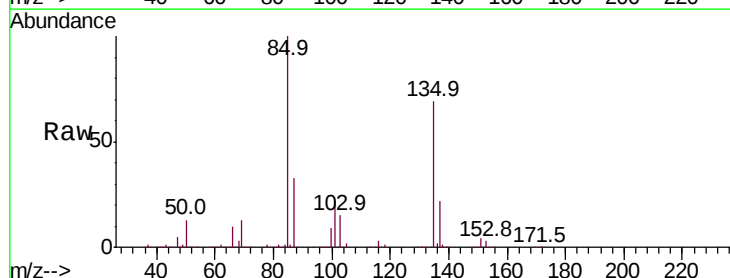
Acq: 24 Jun 2019 9:18

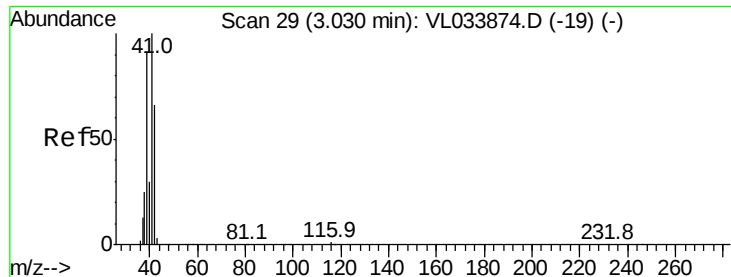
Tgt Ion: 85 Resp: 1646495

Ion Ratio Lower Upper

85 100

135 67.2 53.7 80.5





#9

Propene

Concen: 8.946 ppbv

RT: 3.03 min Scan# 28

Delta R.T. -0.00 min

Lab File: VL033930.D

Acq: 24 Jun 2019 9:18

Instrument :

MSVOA_L

ClientSampleId :

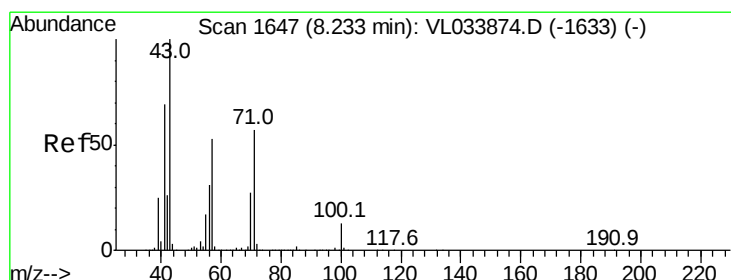
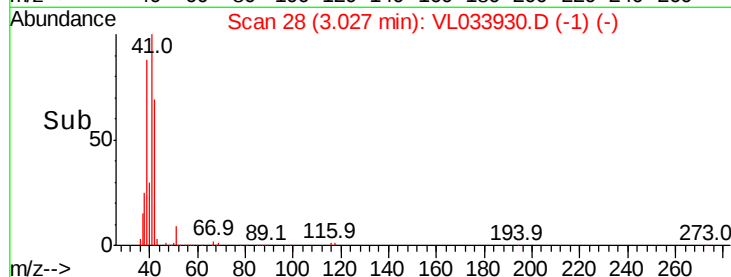
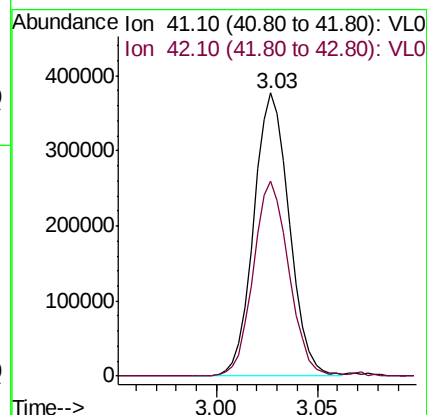
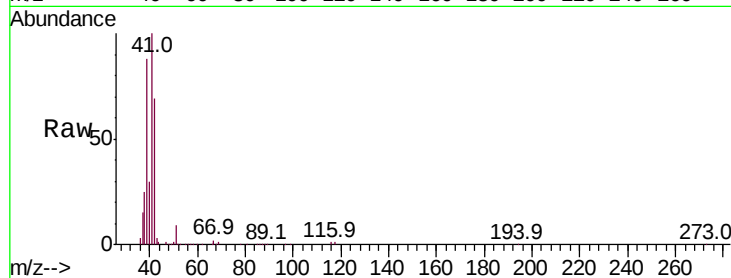
VSTDCCC010

Tot Ion: 41 Resp: 466364

Ion Ratio Lower Upper

41 100

42 69.8 56.3 84.5



#10

Heptane

Concen: 10.967 ppbv

RT: 8.22 min Scan# 1644

Delta R.T. -0.01 min

Lab File: VL033930.D

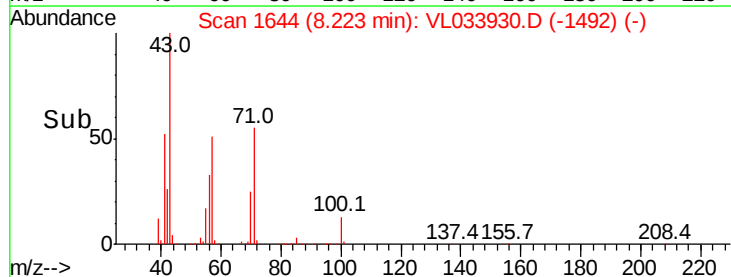
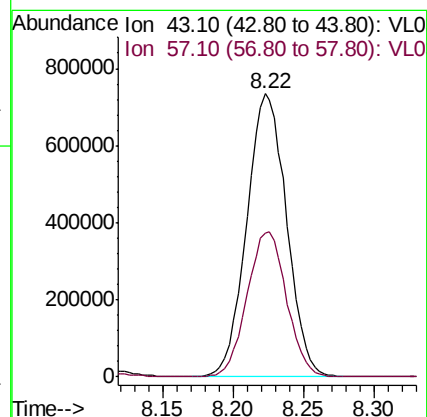
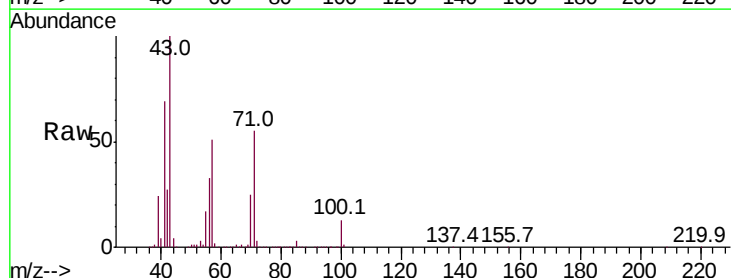
Acq: 24 Jun 2019 9:18

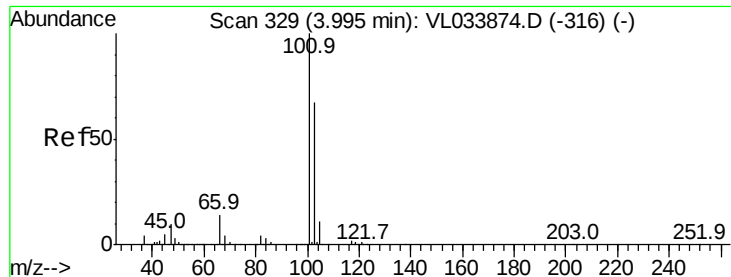
Tgt Ion: 43 Resp: 1444954

Ion Ratio Lower Upper

43 100

57 51.1 41.7 62.5





#11

Trichlorofluoromethane

Concen: 8.150 ppbv

RT: 3.99 min Scan# 328

Delta R.T. -0.00 min

Lab File: VL033930.D

Acq: 24 Jun 2019 9:18

Instrument :

MSVOA_L

ClientSampleId :

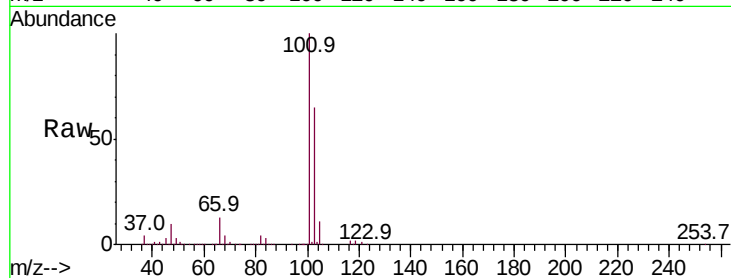
VSTDCCC010

Tot Ion:101 Resp: 2019448

Ion Ratio Lower Upper

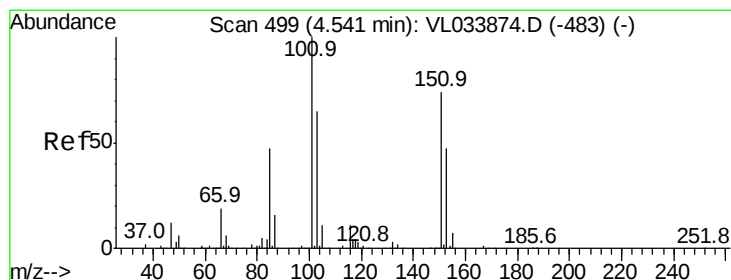
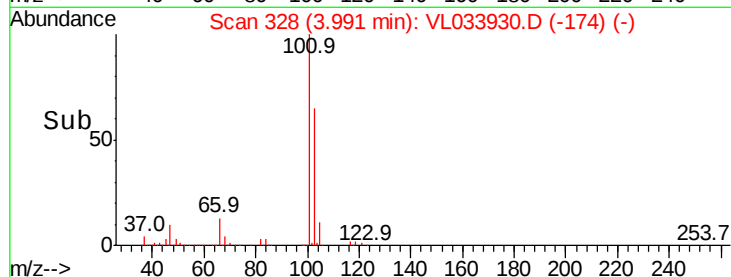
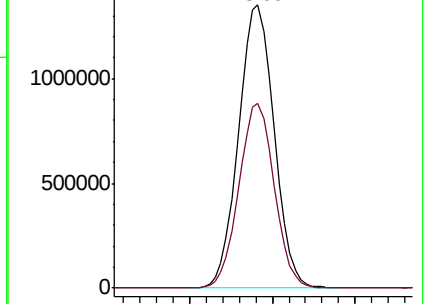
101 100

103 65.1 53.6 80.4



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: 8.029 ppbv

RT: 4.54 min Scan# 498

Delta R.T. -0.00 min

Lab File: VL033930.D

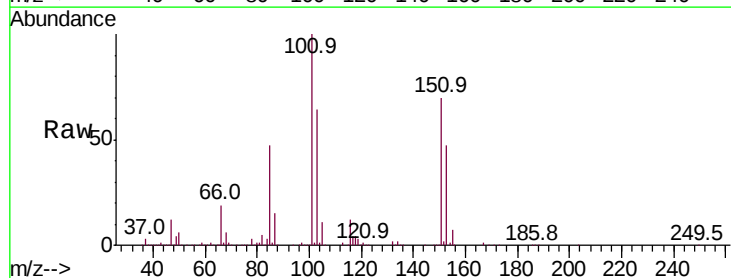
Acq: 24 Jun 2019 9:18

Tgt Ion:101 Resp: 1344556

Ion Ratio Lower Upper

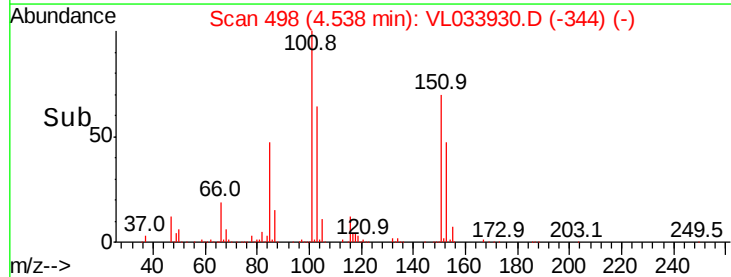
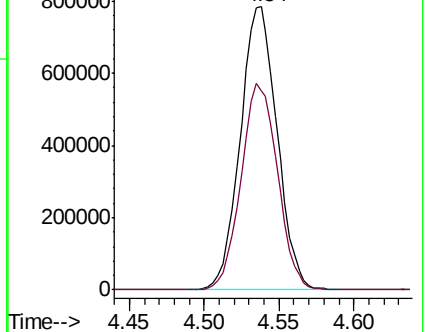
101 100

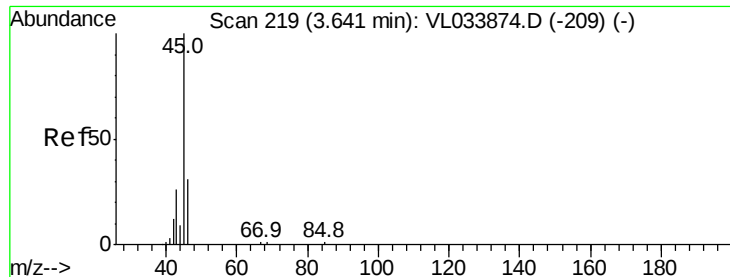
151 72.7 58.6 87.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 5.087 ppbv

RT: 3.64 min Scan# 218

Delta R.T. -0.00 min

Lab File: VL033930.D

Acq: 24 Jun 2019 9:18

Instrument :

MSVOA_L

ClientSampleId :

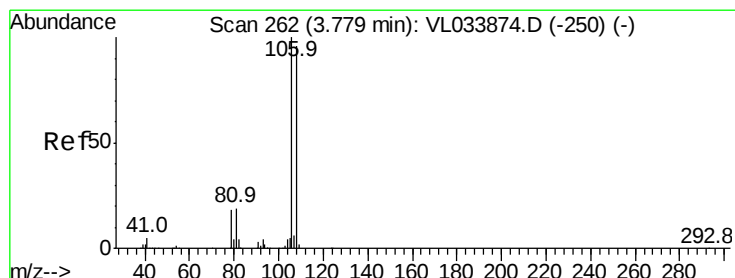
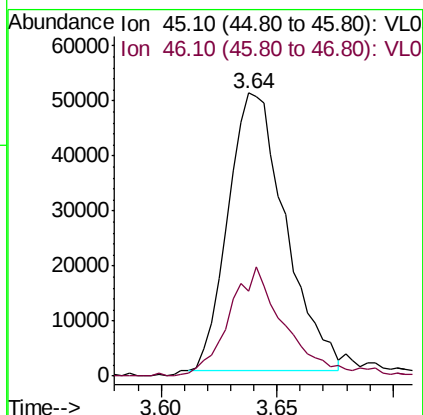
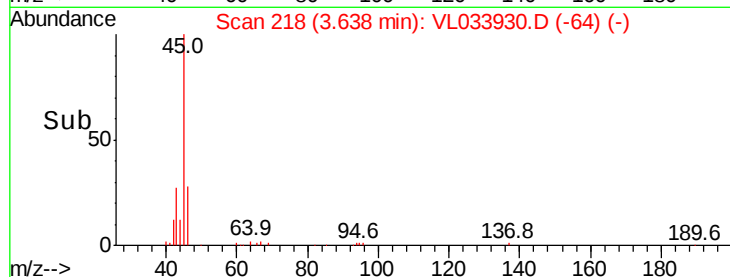
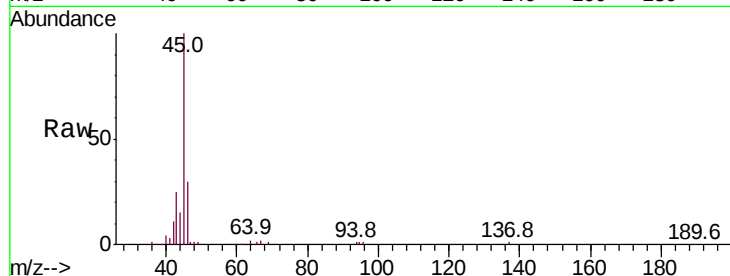
VSTDCCC010

Tot Ion: 45 Resp: 86282

Ion Ratio Lower Upper

45 100

46 40.1 15.3 61.1



#14

Bromoethene

Concen: 8.616 ppbv

RT: 3.78 min Scan# 261

Delta R.T. -0.00 min

Lab File: VL033930.D

Acq: 24 Jun 2019 9:18

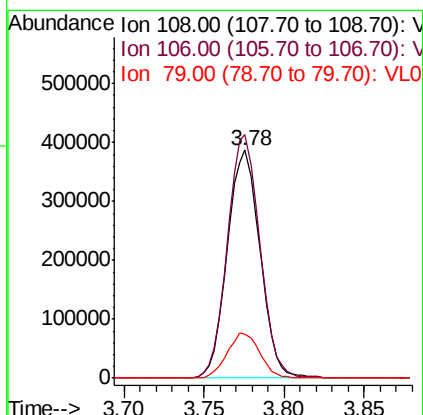
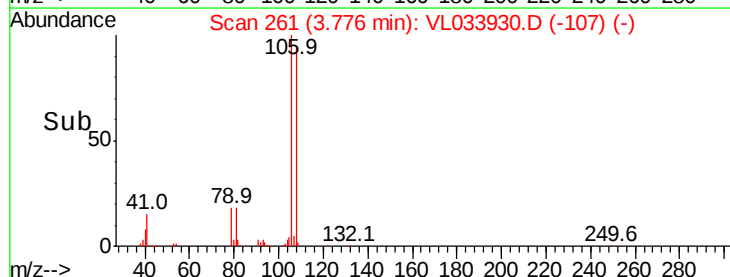
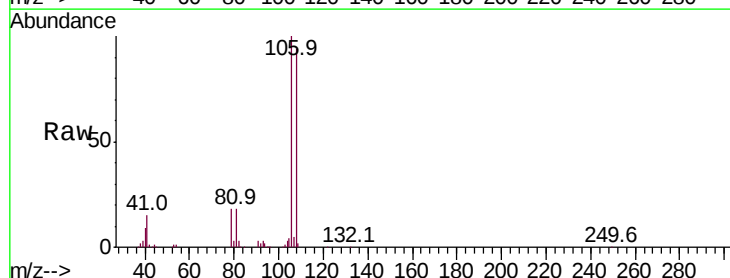
Tgt Ion: 108 Resp: 537646

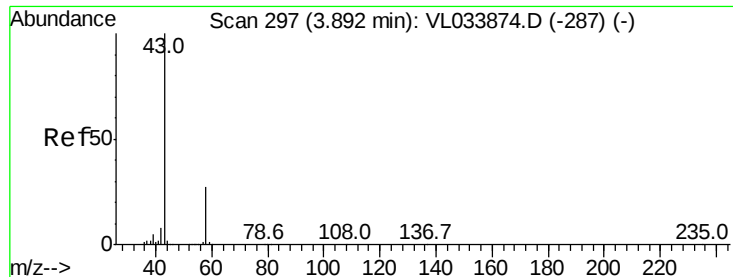
Ion Ratio Lower Upper

108 100

106 106.2 84.9 127.3

79 19.9 15.4 23.0





#15

Acetone

Concen: 7.302 ppbv

RT: 3.89 min Scan# 296

Delta R.T. -0.00 min

Lab File: VL033930.D

Acq: 24 Jun 2019 9:18

Instrument :

MSVOA_L

ClientSampleId :

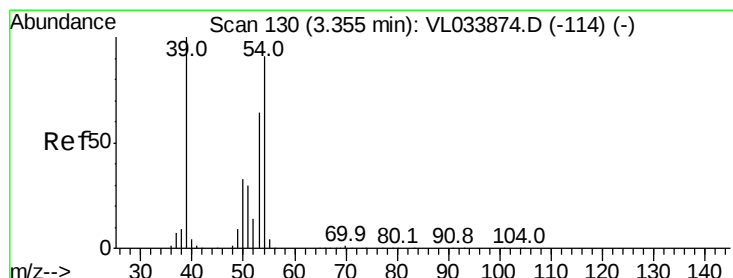
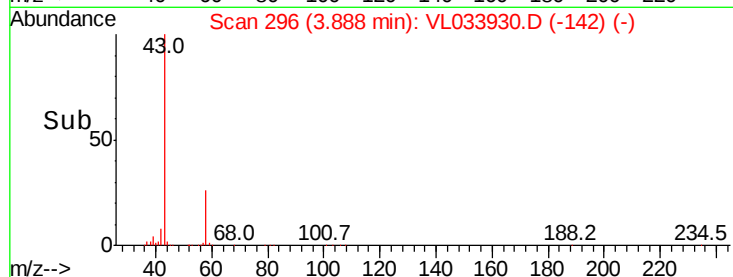
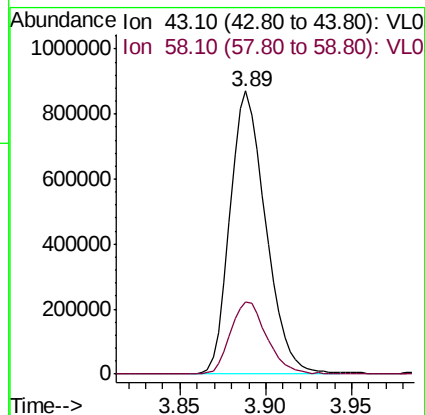
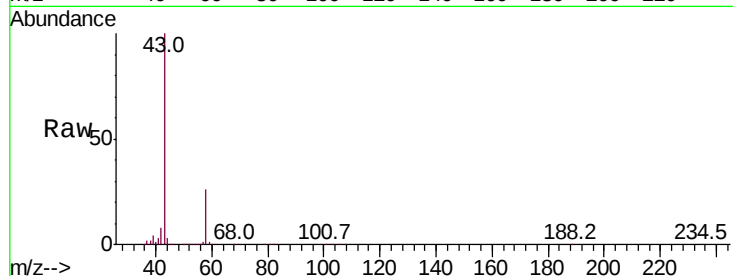
VSTDCCC010

Tot Ion: 43 Resp: 1260355

Ion Ratio Lower Upper

43 100

58 26.2 21.3 31.9



#16

1,3-Butadiene

Concen: 8.608 ppbv

RT: 3.35 min Scan# 129

Delta R.T. -0.00 min

Lab File: VL033930.D

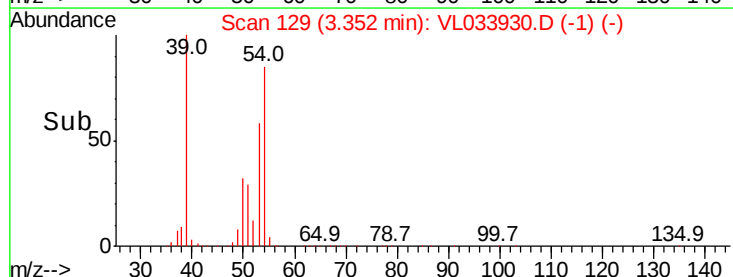
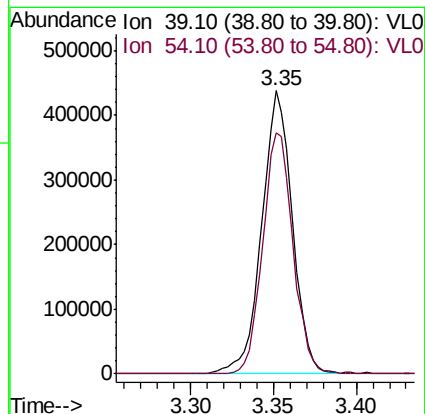
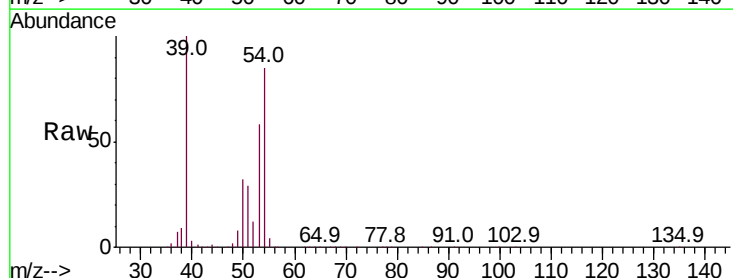
Acq: 24 Jun 2019 9:18

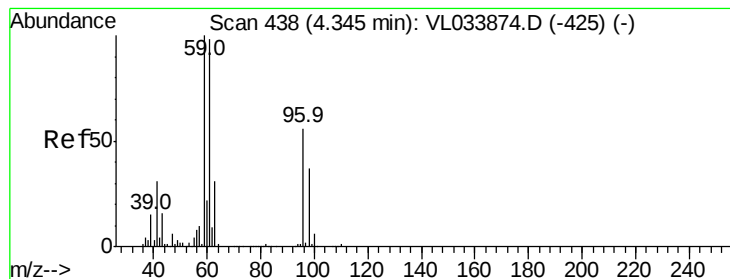
Tgt Ion: 39 Resp: 565466

Ion Ratio Lower Upper

39 100

54 84.6 68.6 103.0



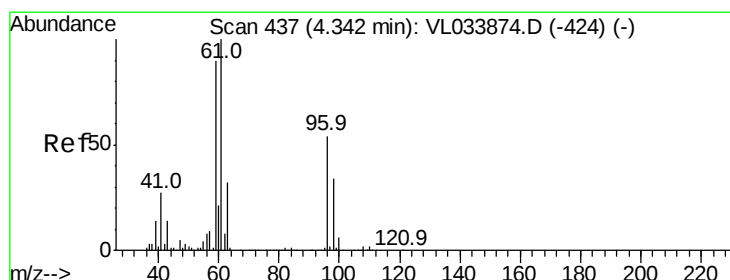
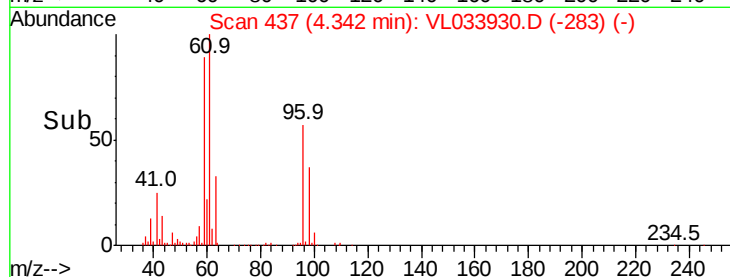
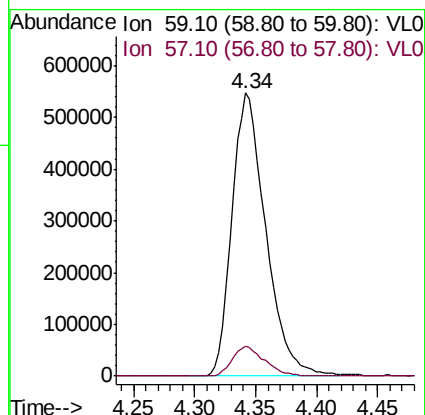
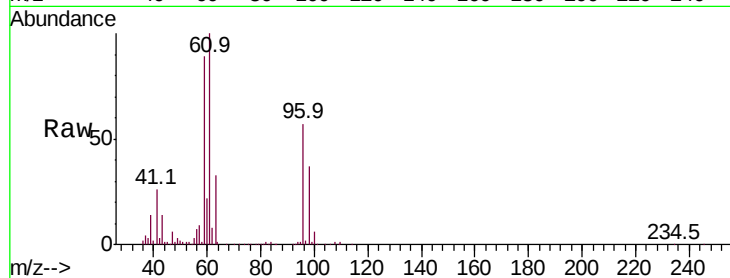


#17

tert-Butyl alcohol
Concen: 7.824 ppbv
RT: 4.34 min Scan# 437
Delta R.T. -0.00 min
Lab File: VL033930.D
Acq: 24 Jun 2019 9:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

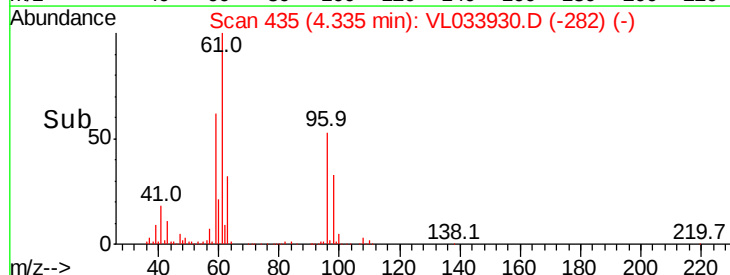
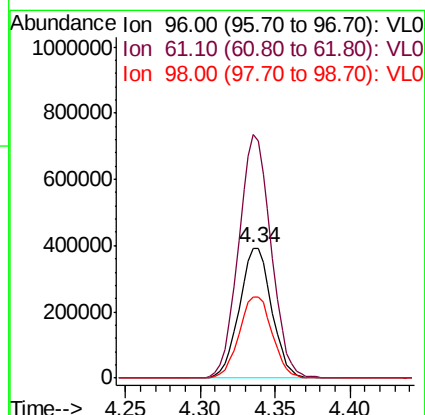
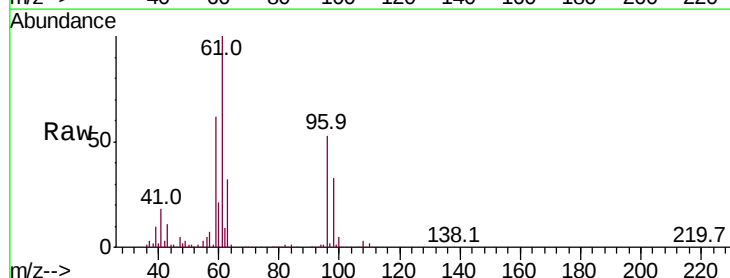
Tot Ion: 59 Resp: 1055595
Ion Ratio Lower Upper
59 100
57 10.4 8.4 12.6

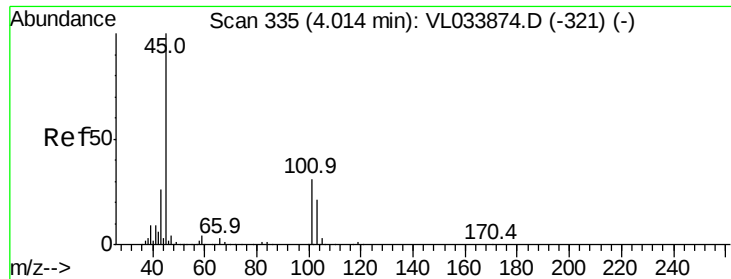


#18

1,1-Dichloroethene
Concen: 8.369 ppbv
RT: 4.34 min Scan# 435
Delta R.T. -0.01 min
Lab File: VL033930.D
Acq: 24 Jun 2019 9:18

Tgt Ion: 96 Resp: 591950
Ion Ratio Lower Upper
96 100
61 187.0 147.0 220.6
98 62.1 49.4 74.0





#19

Isopropyl Alcohol

Concen: 7.638 ppbv

RT: 4.01 min Scan# 334

Delta R.T. -0.00 min

Lab File: VL033930.D

Acq: 24 Jun 2019 9:18

Instrument :

MSVOA_L

ClientSampleId :

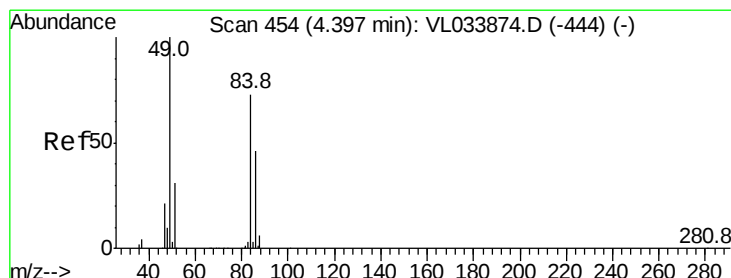
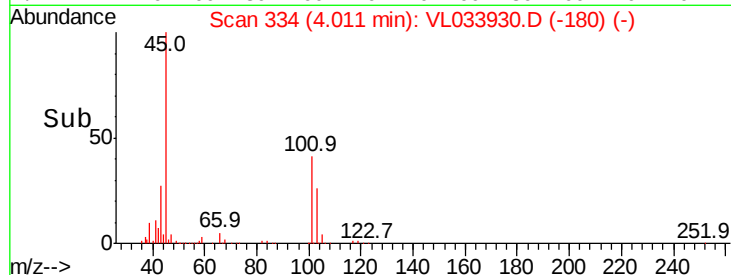
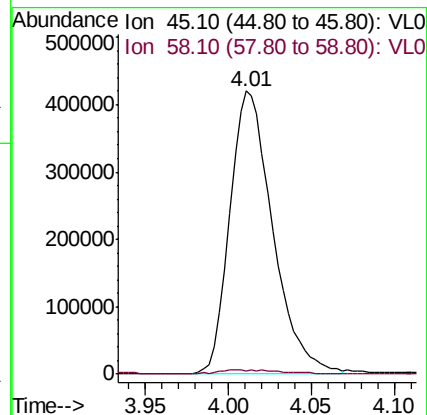
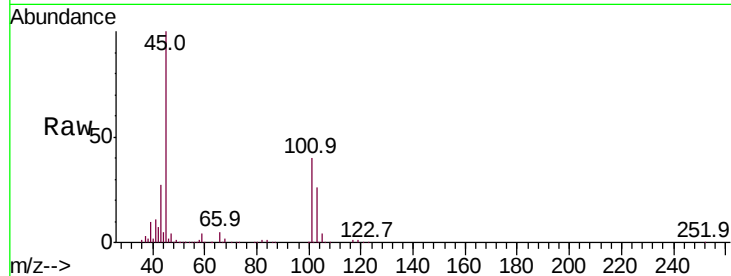
VSTDCCC010

Tot Ion: 45 Resp: 753107

Ion Ratio Lower Upper

45 100

58 2.5 1.8 2.6



#20

Methylene Chloride

Concen: 7.399 ppbv

RT: 4.39 min Scan# 453

Delta R.T. -0.00 min

Lab File: VL033930.D

Acq: 24 Jun 2019 9:18

Tgt Ion: 84 Resp: 497977

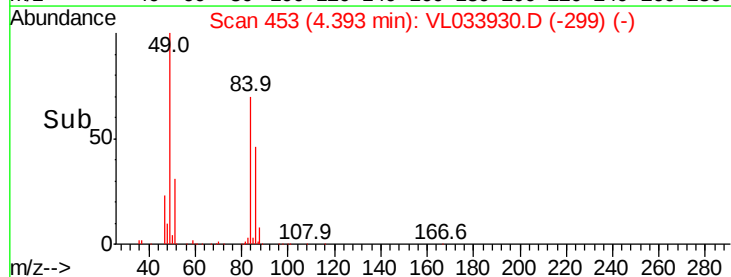
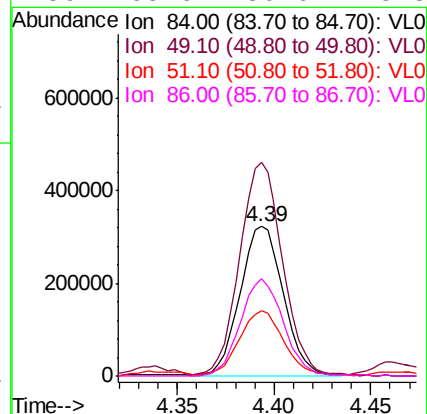
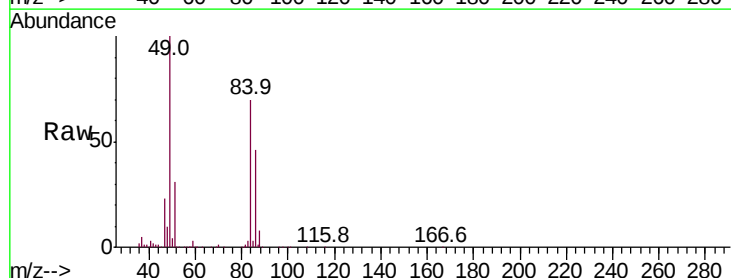
Ion Ratio Lower Upper

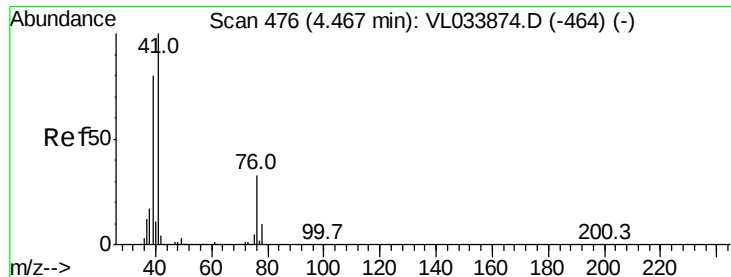
84 100

49 142.3 110.0 165.0

51 43.2 34.6 51.8

86 65.6 50.6 75.8

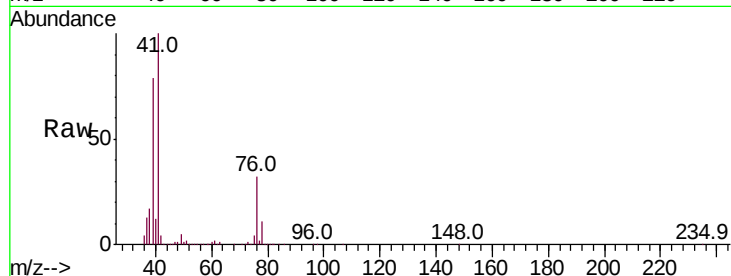




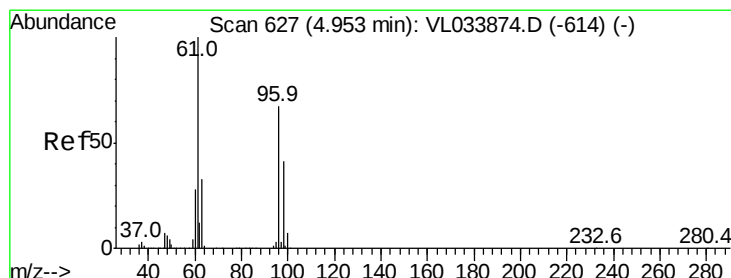
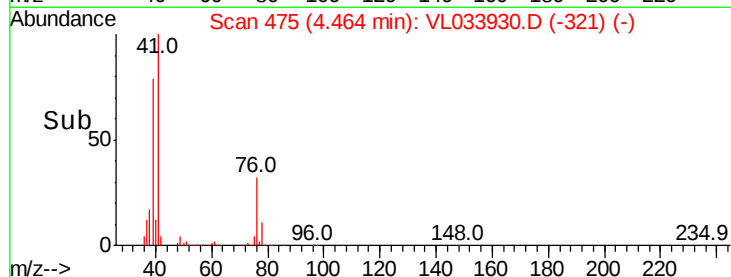
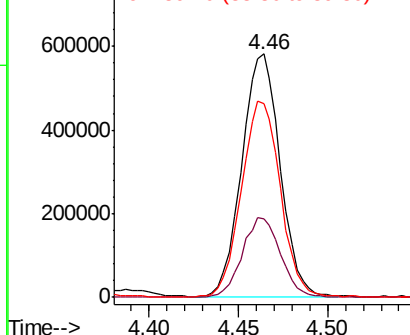
#21
Allvl Chloride
Concen: 8.830 ppbv
RT: 4.46 min Scan# 475
Delta R.T. -0.00 min
Lab File: VL033930.D
Acq: 24 Jun 2019 9:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 41 Resp: 865727
Ion Ratio Lower Upper
41 100
76 32.7 26.6 39.8
39 82.6 65.2 97.8

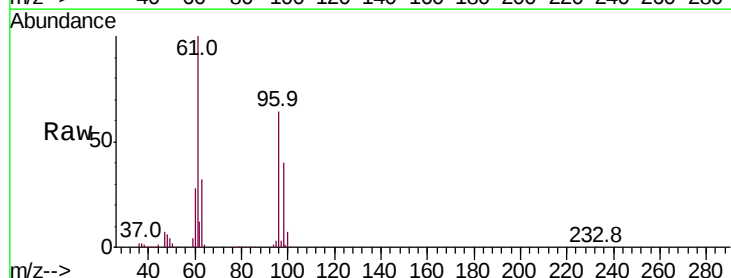


Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0

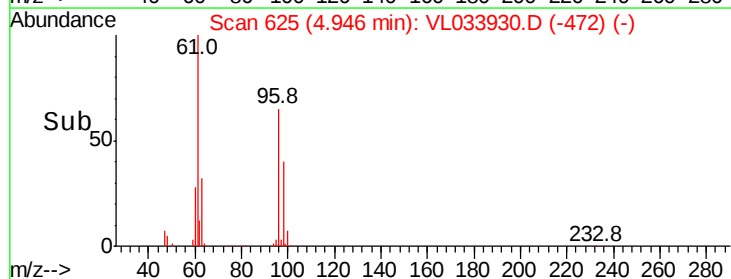
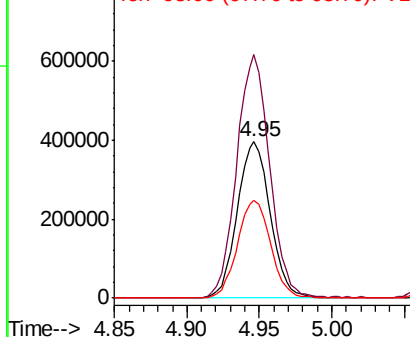


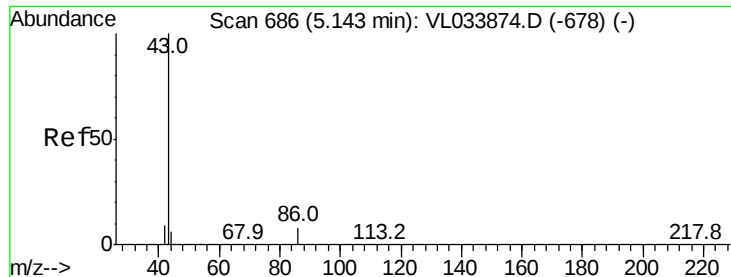
#22
trans-1,2-Dichloroethene
Concen: 8.396 ppbv
RT: 4.95 min Scan# 625
Delta R.T. -0.01 min
Lab File: VL033930.D
Acq: 24 Jun 2019 9:18

Tgt Ion: 96 Resp: 625990
Ion Ratio Lower Upper
96 100
61 155.5 119.0 178.6
98 62.1 48.3 72.5



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





#23

Vinyl Acetate

Concen: 9.430 ppbv

RT: 5.14 min Scan# 685

Delta R.T. -0.00 min

Lab File: VL033930.D

Acq: 24 Jun 2019 9:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1891840

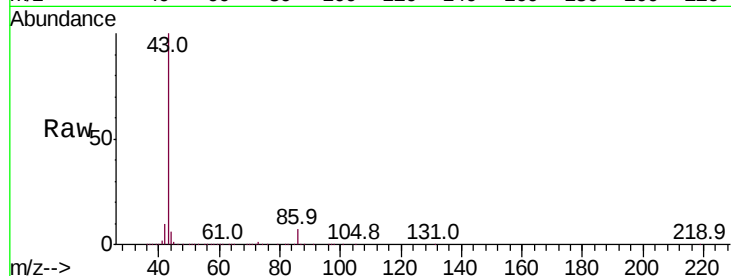
Ion	Ratio	Lower	Upper
43	100		
86	7.0	5.8	8.8
42	10.1	7.8	11.8
44	5.4	4.2	6.4

43 100

86 7.0 5.8 8.8

42 10.1 7.8 11.8

44 5.4 4.2 6.4

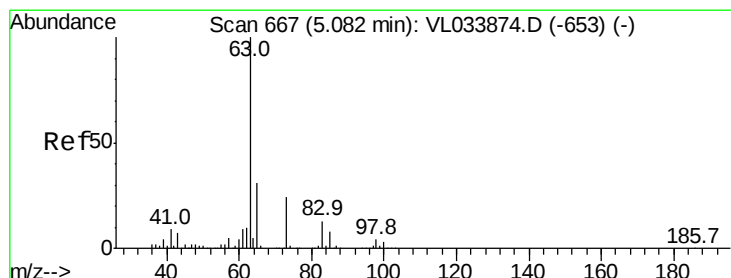
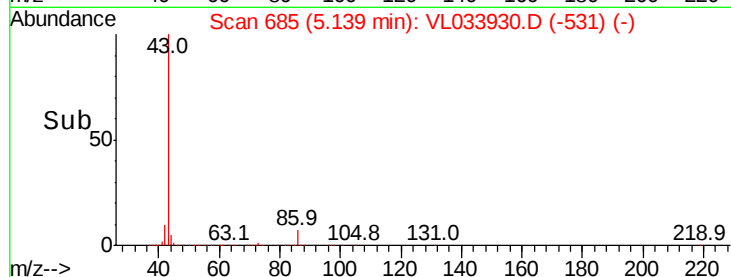
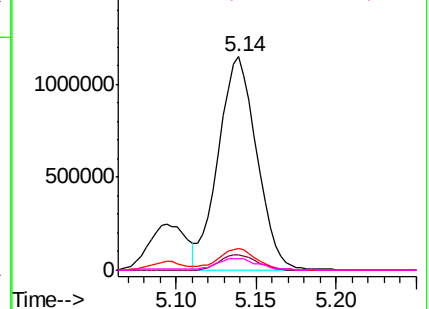


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 8.354 ppbv

RT: 5.07 min Scan# 665

Delta R.T. -0.01 min

Lab File: VL033930.D

Acq: 24 Jun 2019 9:18

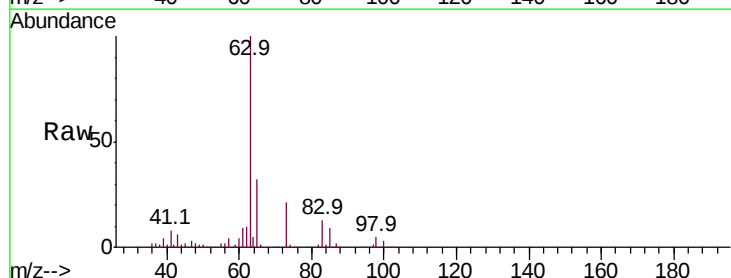
Tgt Ion: 63 Resp: 1303469

Ion	Ratio	Lower	Upper
63	100		
98	4.5	2.2	6.6
100	2.9	1.3	3.8

63 100

98 4.5 2.2 6.6

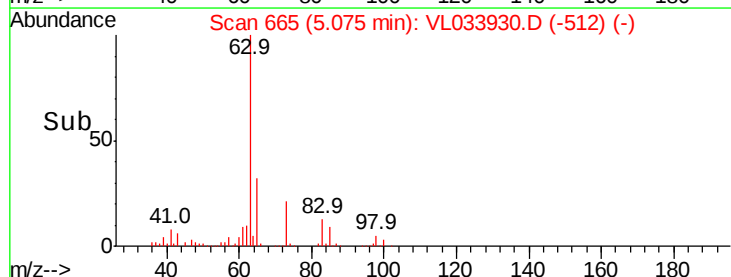
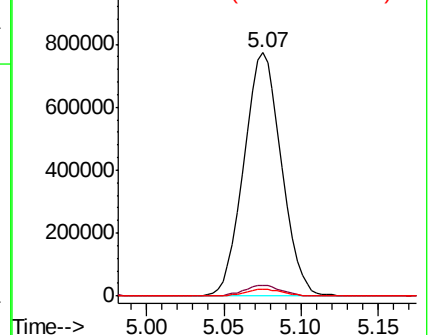
100 2.9 1.3 3.8

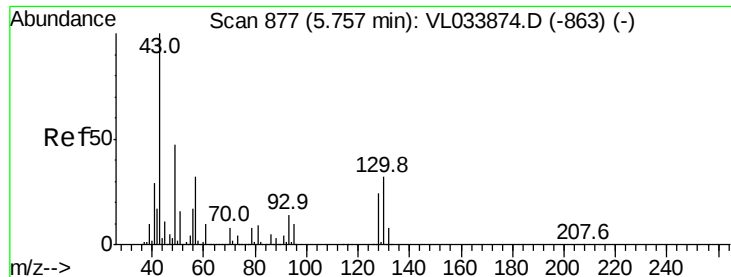


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 10.115 ppbv

RT: 5.75 min Scan# 875

Delta R.T. -0.01 min

Lab File: VL033930.D

Acq: 24 Jun 2019 9:18

Instrument :

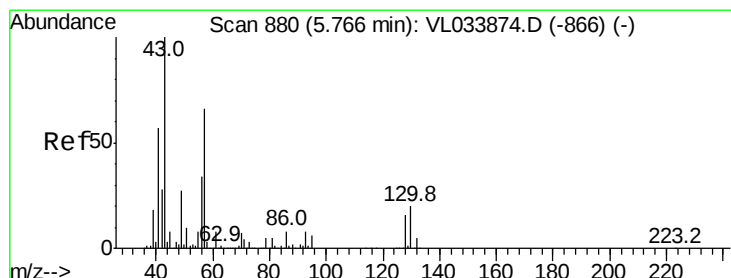
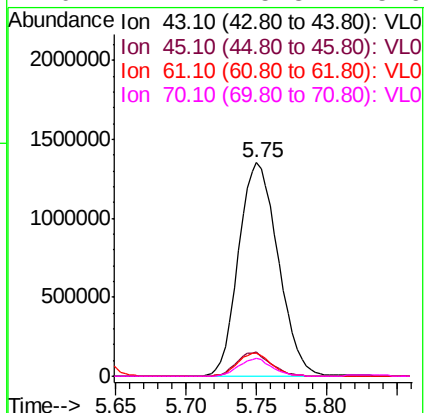
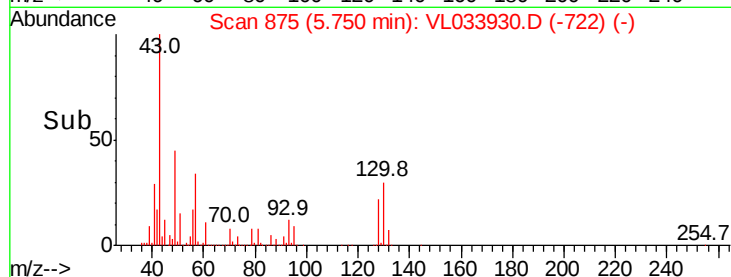
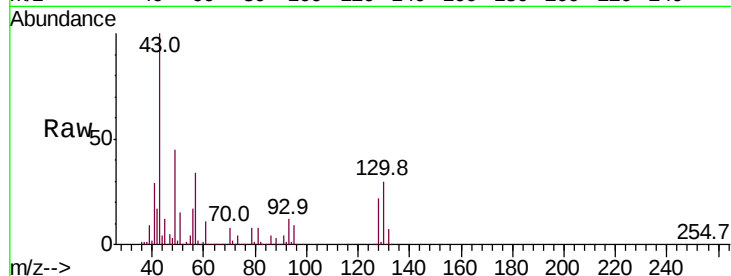
MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 2658600

Ion	Ratio	Lower	Upper
43	100		
45	10.0	7.9	11.9
61	9.6	7.8	11.6
70	7.1	5.8	8.6



#26

Hexane

Concen: 9.636 ppbv

RT: 5.76 min Scan# 878

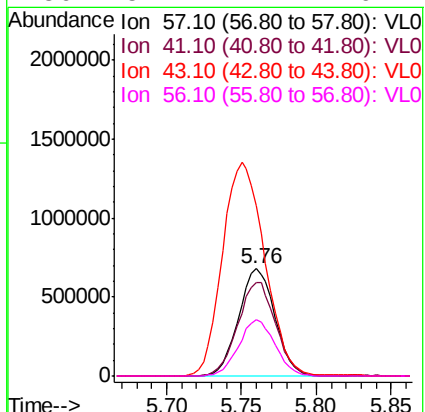
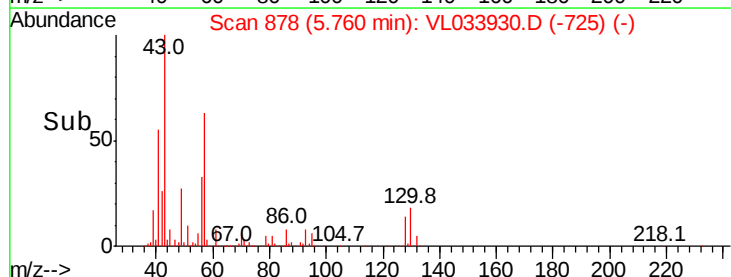
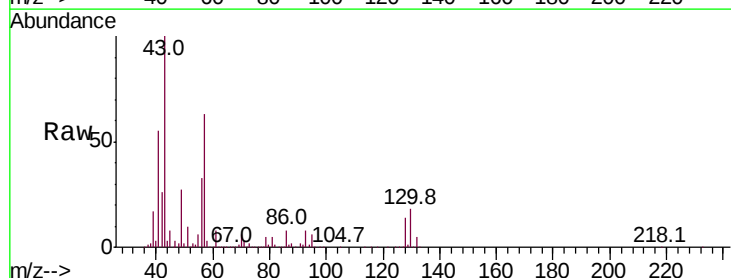
Delta R.T. -0.01 min

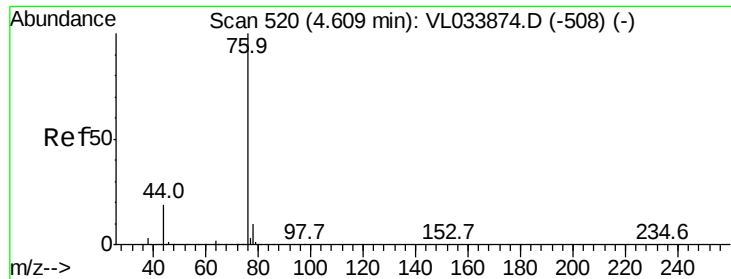
Lab File: VL033930.D

Acq: 24 Jun 2019 9:18

Tgt Ion: 57 Resp: 1153188

Ion	Ratio	Lower	Upper
57	100		
41	90.3	71.4	107.2
43	231.7	183.7	275.5
56	52.2	42.7	64.1





#27

Carbon Disulfide

Concen: 9.232 ppbv

RT: 4.60 min Scan# 518

Delta R.T. -0.01 min

Lab File: VL033930.D

Acq: 24 Jun 2019 9:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

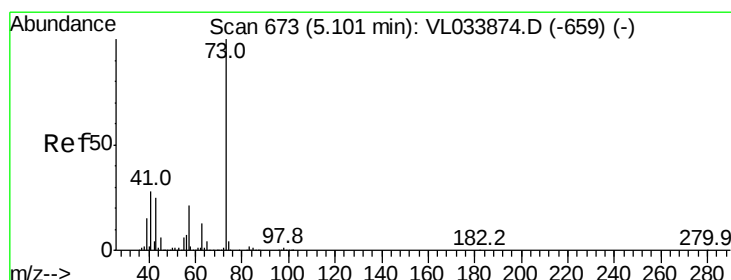
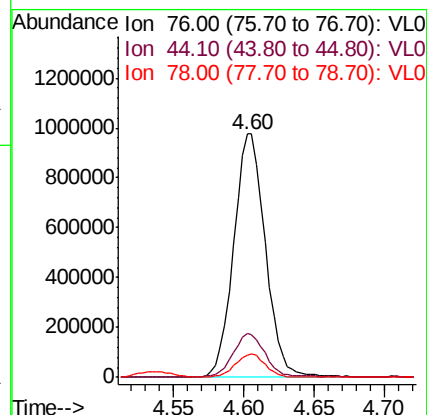
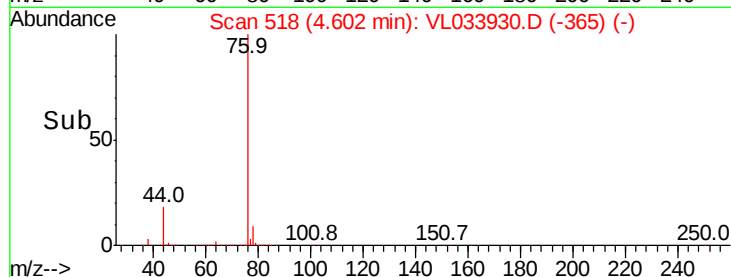
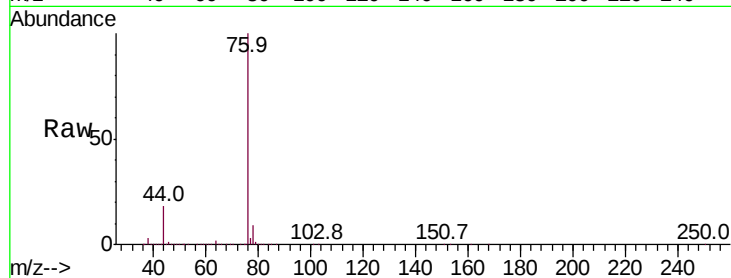
Tot Ion: 76 Resp: 1534974

Ion	Ratio	Lower	Upper
76	100		
44	17.9	14.4	21.6
78	9.3	7.5	11.3

76 100

44 17.9 14.4 21.6

78 9.3 7.5 11.3



#28

Methyl tert-Butyl Ether

Concen: 9.508 ppbv

RT: 5.09 min Scan# 671

Delta R.T. -0.01 min

Lab File: VL033930.D

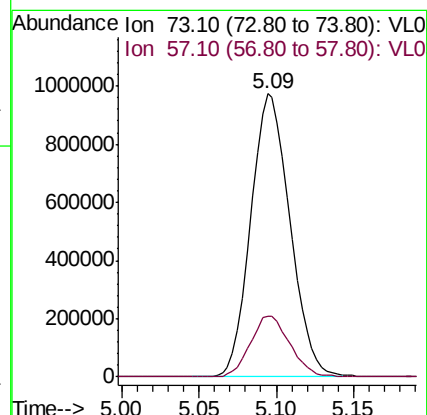
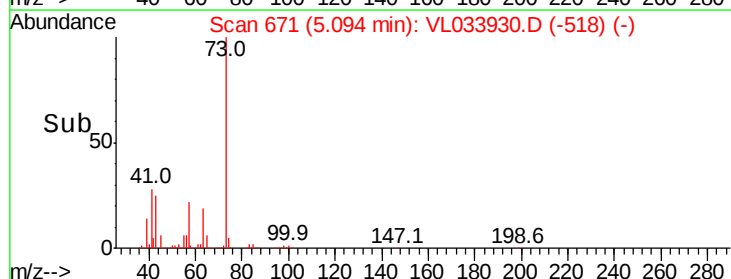
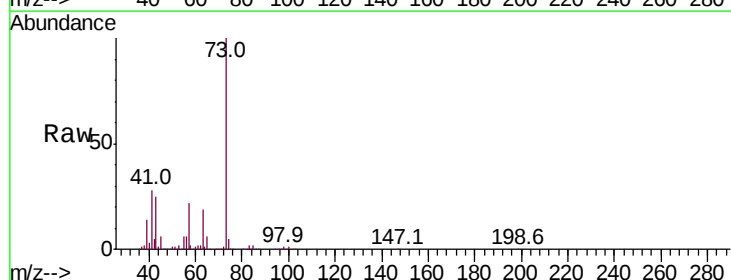
Acq: 24 Jun 2019 9:18

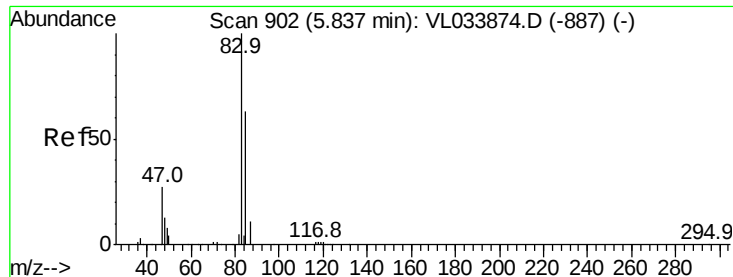
Tgt Ion: 73 Resp: 1720559

Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.2	25.8

73 100

57 21.9 17.2 25.8





#29

Chloroform

Concen: 9.642 ppbv

RT: 5.83 min Scan# 900

Delta R.T. -0.01 min

Lab File: VL033930.D

Acq: 24 Jun 2019 9:18

Instrument :

MSVOA_L

ClientSampleId :

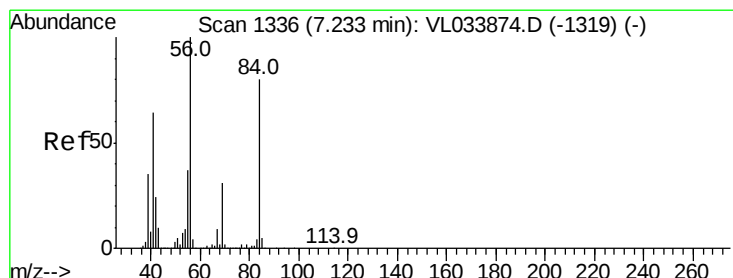
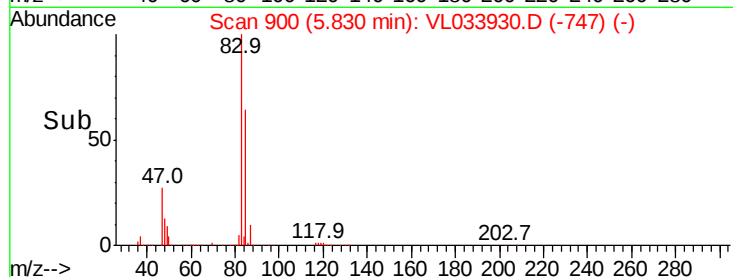
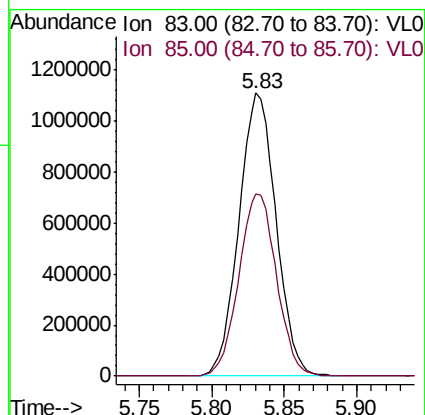
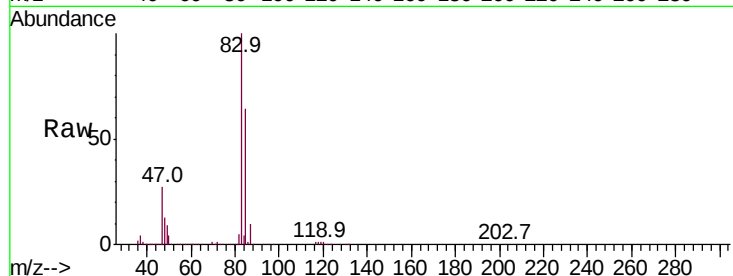
VSTDCCC010

Tot Ion: 83 Resp: 1976378

Ion Ratio Lower Upper

83 100

85 64.3 50.5 75.7



#30

Cyclohexane

Concen: 11.096 ppbv

RT: 7.22 min Scan# 1333

Delta R.T. -0.01 min

Lab File: VL033930.D

Acq: 24 Jun 2019 9:18

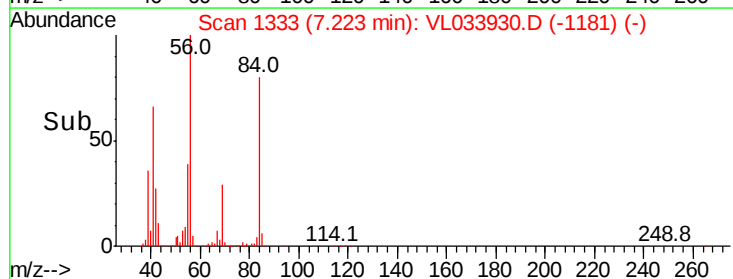
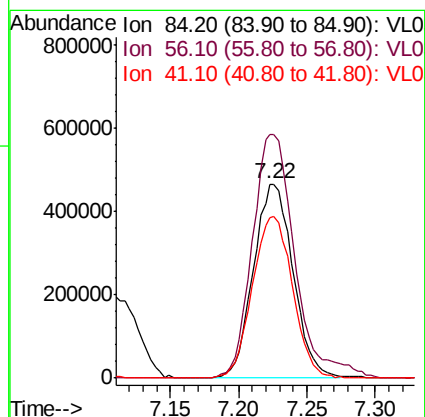
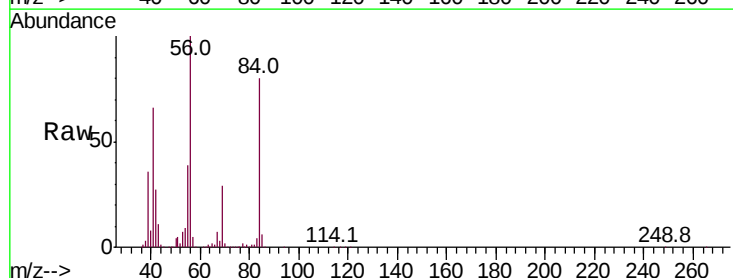
Tgt Ion: 84 Resp: 938249

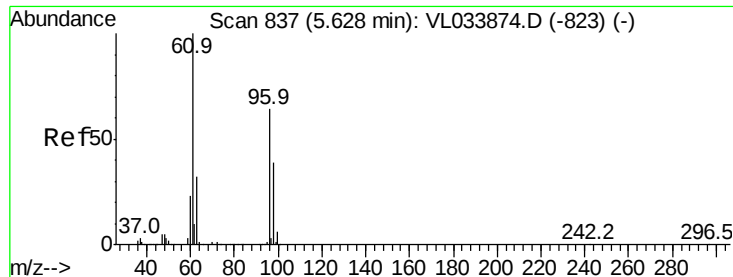
Ion Ratio Lower Upper

84 100

56 135.4 105.8 158.8

41 84.6 65.7 98.5





#31

cis-1,2-Dichloroethene

Concen: 11.327 ppbv

RT: 5.62 min Scan# 835

Delta R.T. -0.01 min

Lab File: VL033930.D

Acq: 24 Jun 2019 9:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

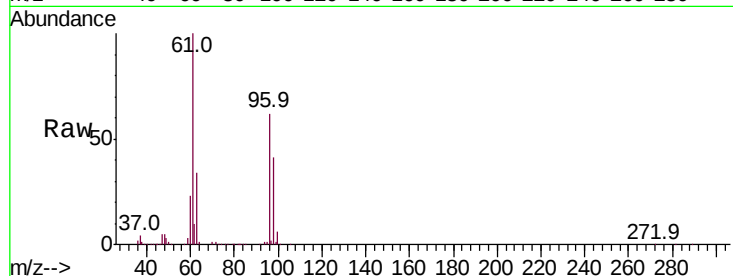
Tot Ion: 61 Resp: 1188736

Ion Ratio Lower Upper

61 100

96 62.0 50.9 76.3

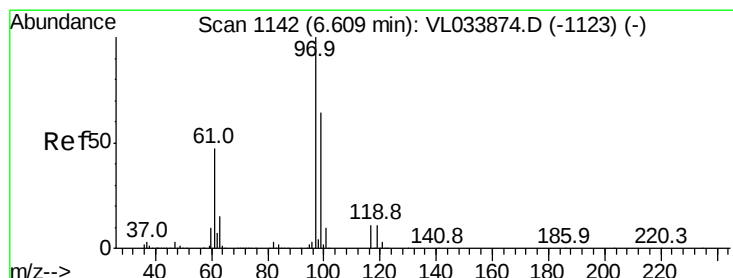
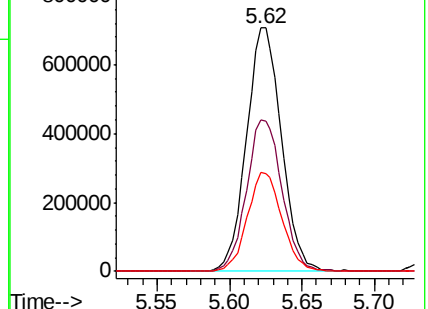
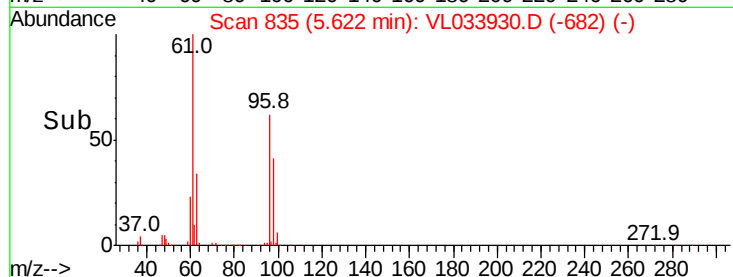
98 40.8 31.4 47.2



Abundance Ion 61.10 (60.80 to 61.80): VL0

Ion 96.00 (95.70 to 96.70): VL0

Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 9.893 ppbv

RT: 6.60 min Scan# 1140

Delta R.T. -0.01 min

Lab File: VL033930.D

Acq: 24 Jun 2019 9:18

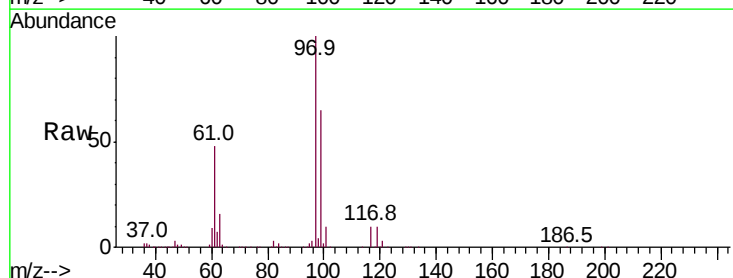
Tgt Ion: 97 Resp: 1956089

Ion Ratio Lower Upper

97 100

99 64.8 51.7 77.5

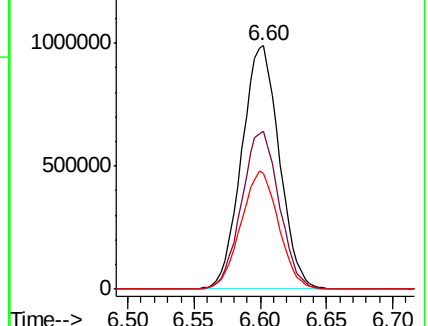
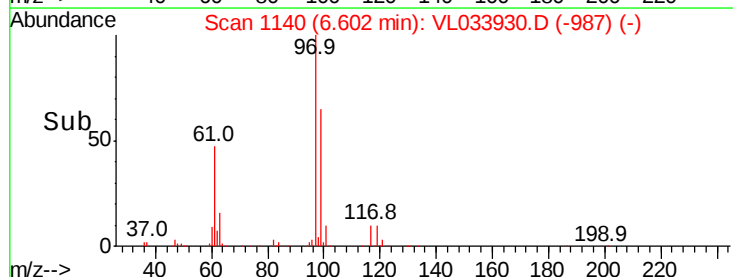
61 48.6 37.7 56.5

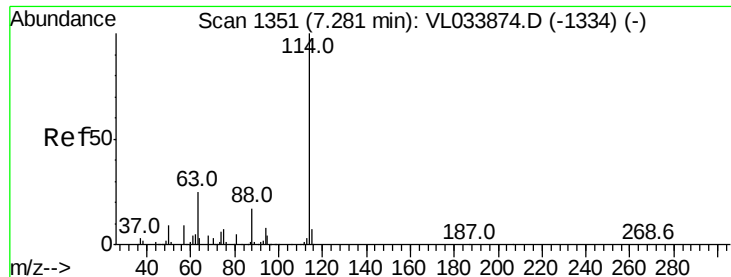


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

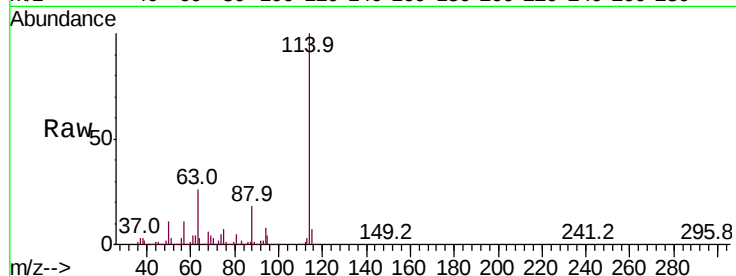




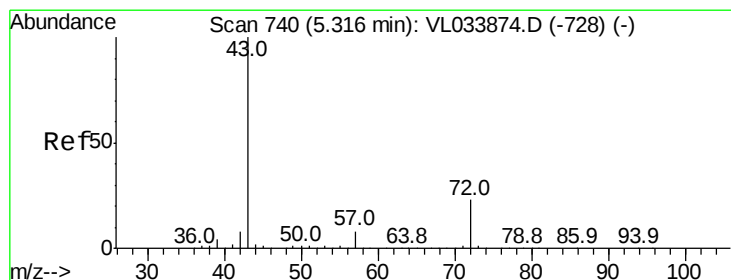
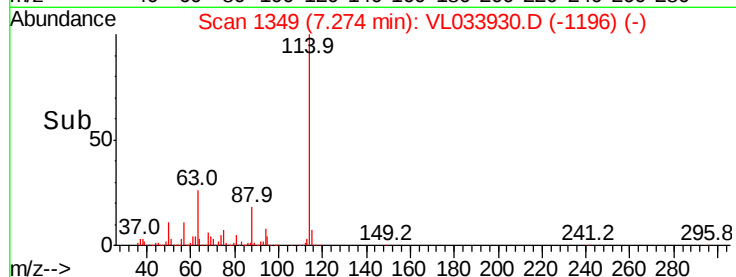
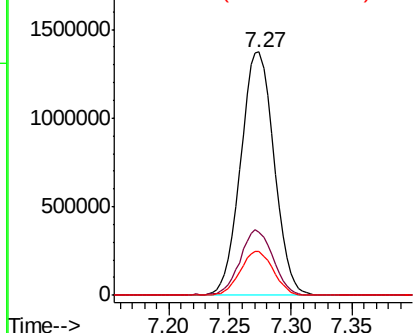
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.27 min Scan# 1349
 Delta R.T. -0.01 min
 Lab File: VL033930.D
 Acq: 24 Jun 2019 9:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:114 Resp: 2592258
 Ion Ratio Lower Upper
 114 100
 63 26.8 21.1 31.7
 88 18.0 14.2 21.4

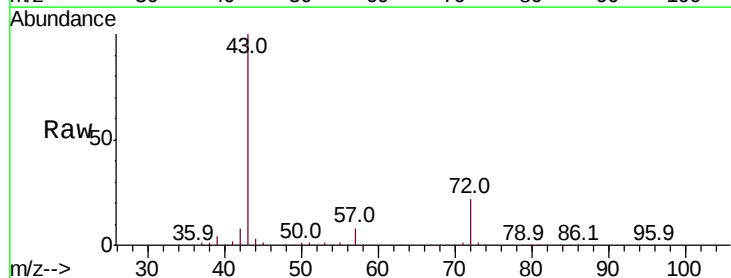


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

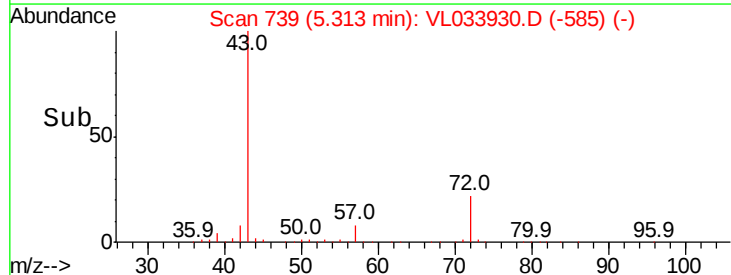
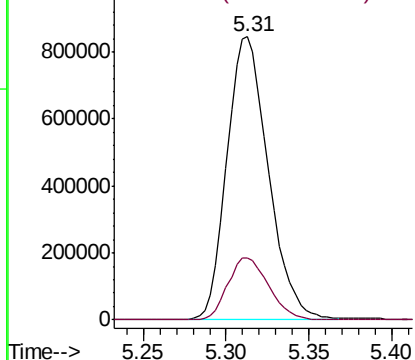


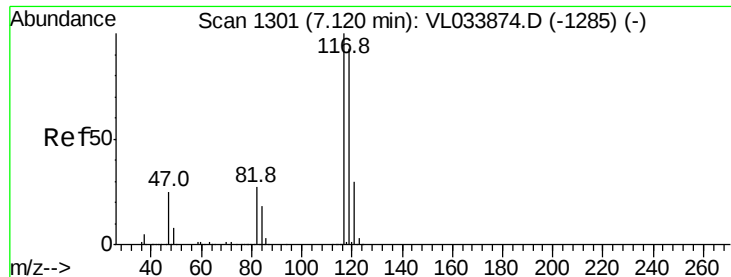
#34
 2-Butanone
 Concen: 9.998 ppbv
 RT: 5.31 min Scan# 739
 Delta R.T. -0.00 min
 Lab File: VL033930.D
 Acq: 24 Jun 2019 9:18

Tgt Ion: 43 Resp: 1462056
 Ion Ratio Lower Upper
 43 100
 72 21.9 17.9 26.9



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





#35

Carbon Tetrachloride

Concen: 10.706 ppbv

RT: 7.11 min Scan# 1299

Delta R.T. -0.01 min

Lab File: VL033930.D

Acq: 24 Jun 2019 9:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

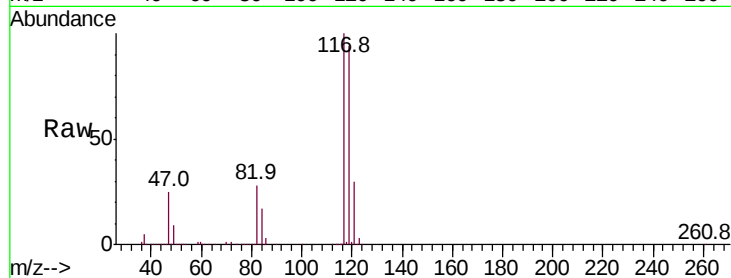
Tot Ion:117 Resp: 2144241

Ion Ratio Lower Upper

117 100

119 93.7 74.6 111.8

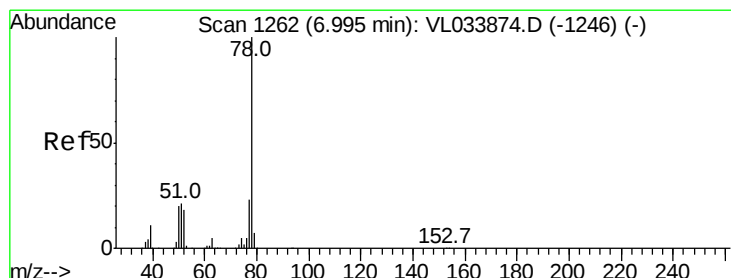
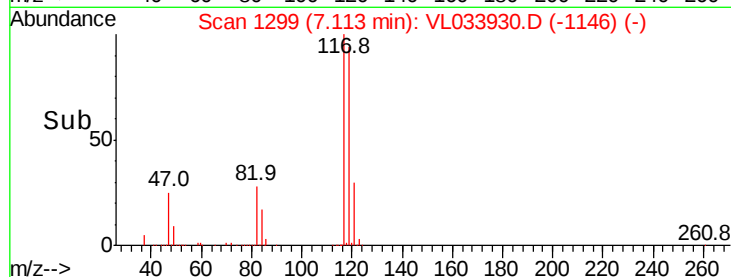
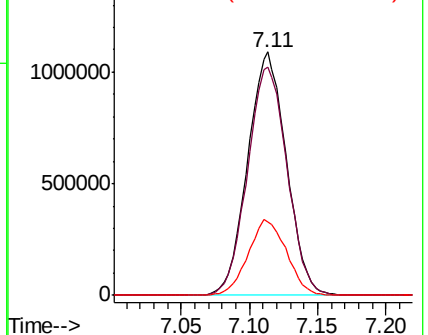
121 29.9 24.0 36.0



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: 11.385 ppbv

RT: 6.98 min Scan# 1259

Delta R.T. -0.01 min

Lab File: VL033930.D

Acq: 24 Jun 2019 9:18

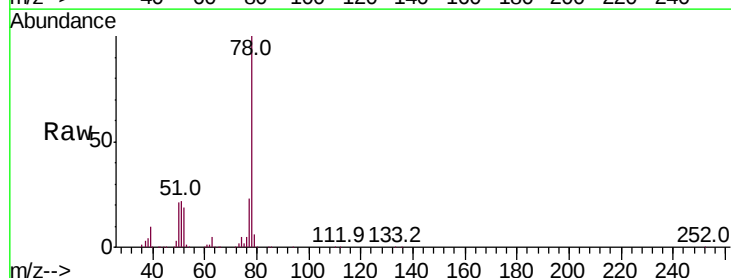
Tgt Ion: 78 Resp: 2254441

Ion Ratio Lower Upper

78 100

77 23.3 18.2 27.2

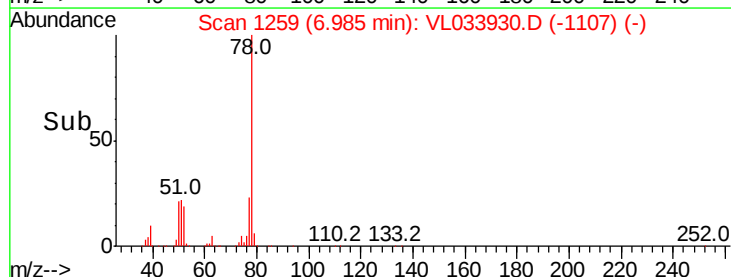
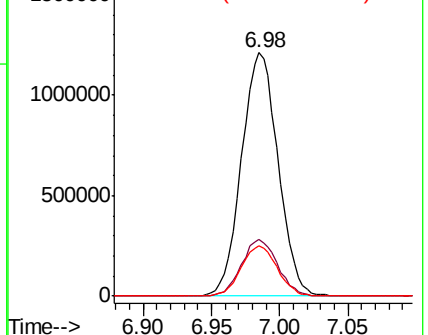
50 20.7 15.9 23.9

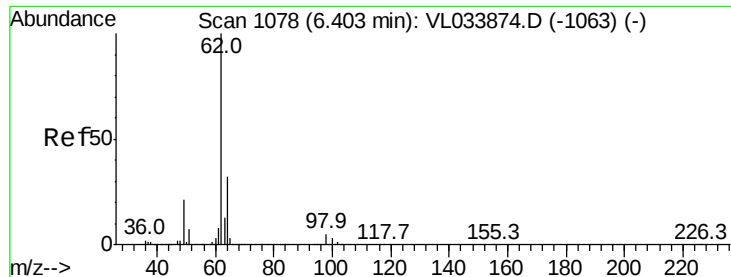


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 10.402 ppbv

RT: 6.39 min Scan# 1075

Delta R.T. -0.01 min

Lab File: VL033930.D

Acq: 24 Jun 2019 9:18

Instrument :

MSVOA_L

ClientSampleId :

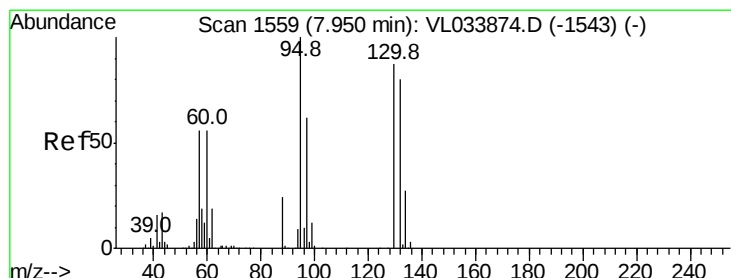
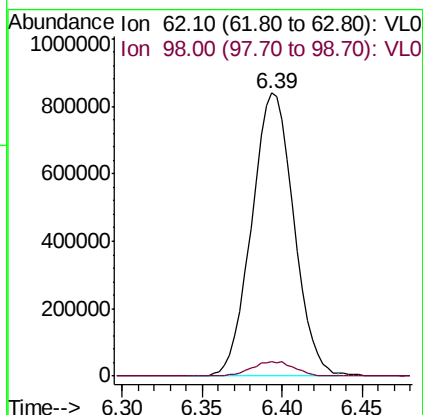
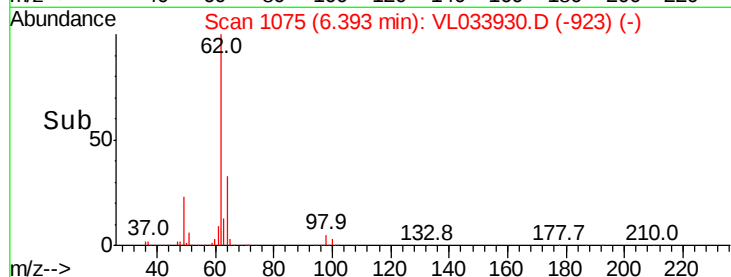
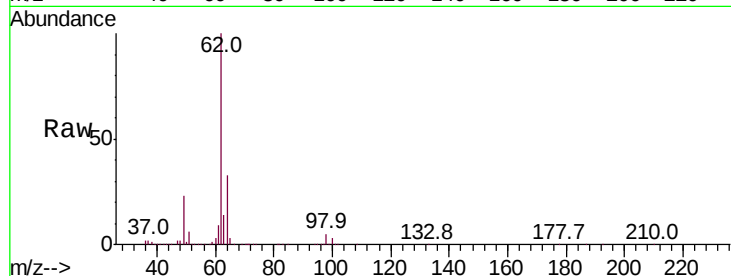
VSTDCCC010

Tot Ion: 62 Resp: 1523336

Ion Ratio Lower Upper

62 100

98 5.3 4.0 6.0



#38

Trichloroethene

Concen: 12.028 ppbv

RT: 7.94 min Scan# 1556

Delta R.T. -0.01 min

Lab File: VL033930.D

Acq: 24 Jun 2019 9:18

Tgt Ion:130 Resp: 927360

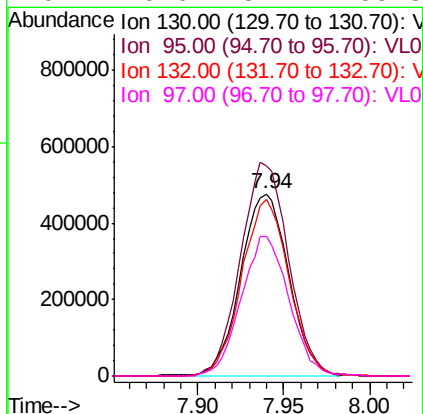
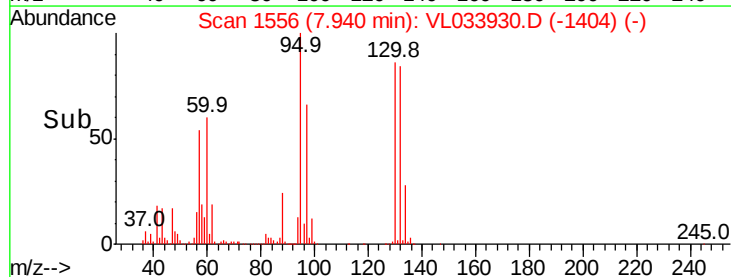
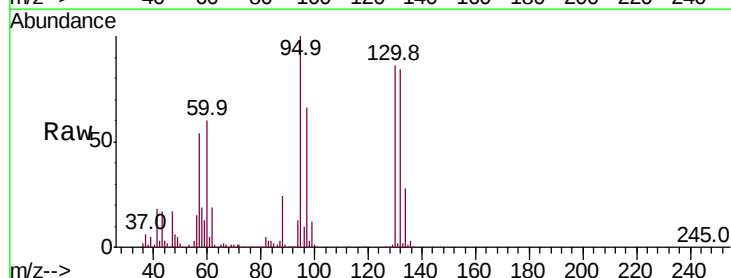
Ion Ratio Lower Upper

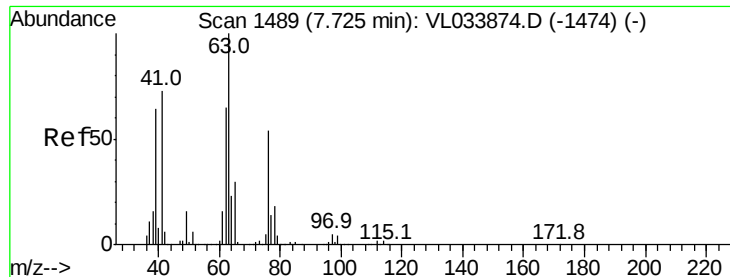
130 100

95 115.2 92.0 138.0

132 96.8 73.8 110.8

97 76.6 57.2 85.8





#39

1,2-Dichloropropane

Concen: 11.054 ppbv

RT: 7.71 min Scan# 1486

Delta R.T. -0.01 min

Lab File: VL033930.D

Acq: 24 Jun 2019 9:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

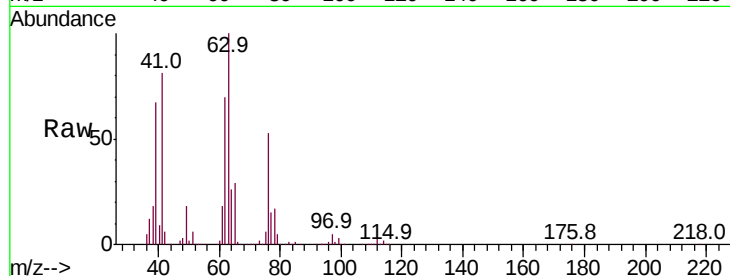
Tot Ion: 63 Resp: 844841

Ion Ratio Lower Upper

63 100

41 80.7 58.7 88.1

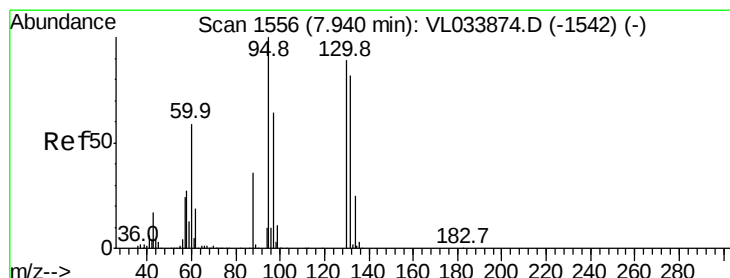
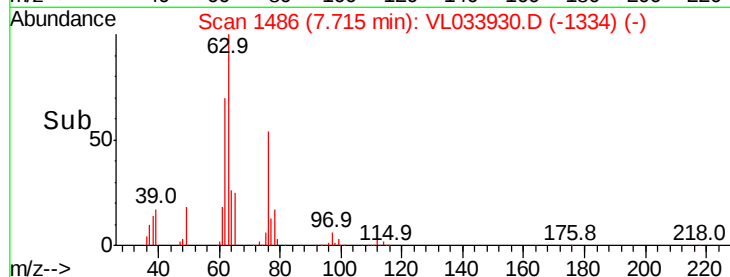
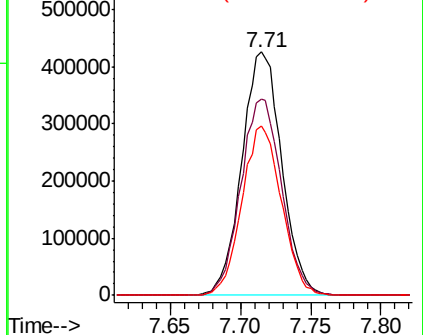
62 69.6 51.9 77.9



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 10.354 ppbv

RT: 7.93 min Scan# 1554

Delta R.T. -0.01 min

Lab File: VL033930.D

Acq: 24 Jun 2019 9:18

Tgt Ion: 88 Resp: 322752

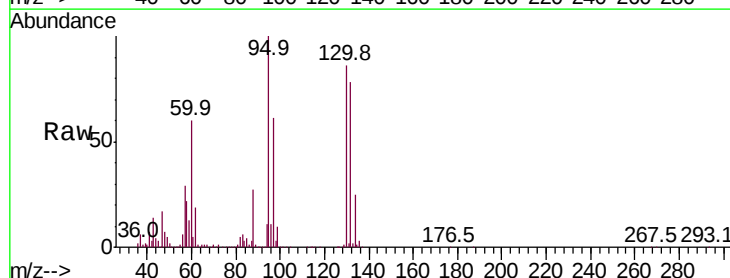
Ion Ratio Lower Upper

88 100

58 129.8 100.0 150.0

43 0.0 184.7 277.1#

57 0.0 826.8 1240.2#

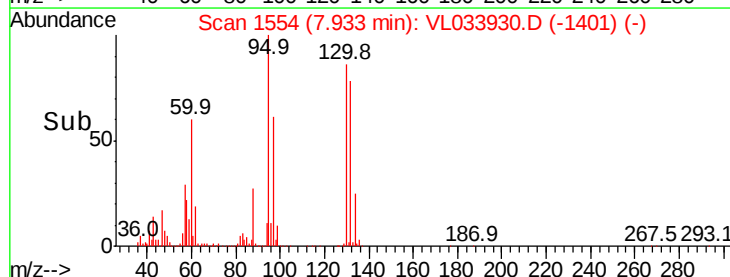
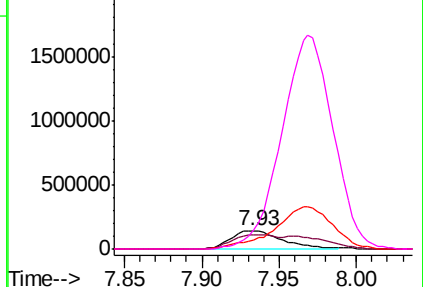


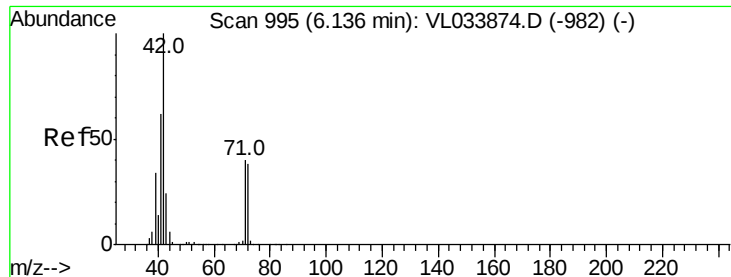
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 11.857 ppbv

RT: 6.13 min Scan# 993

Delta R.T. -0.01 min

Lab File: VL033930.D

Acq: 24 Jun 2019 9:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

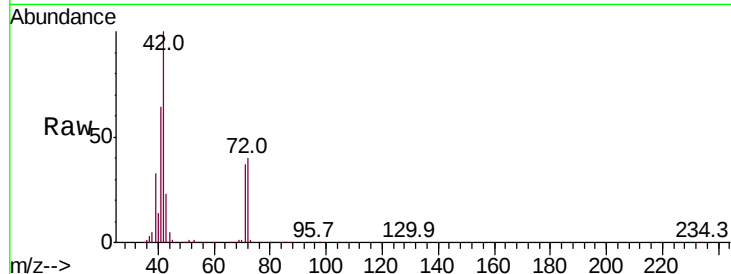
Tot Ion: 42 Resp: 880112

Ion Ratio Lower Upper

42 100

72 39.1 32.2 48.4

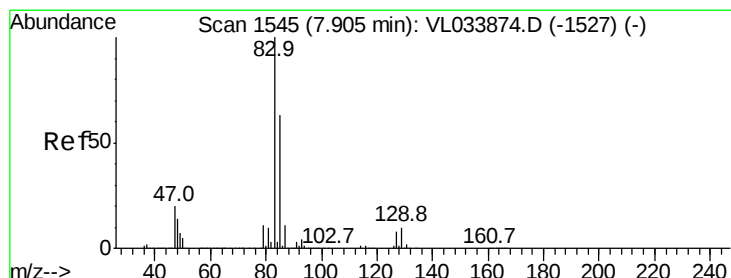
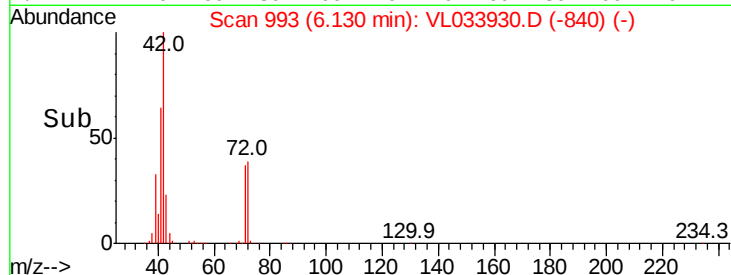
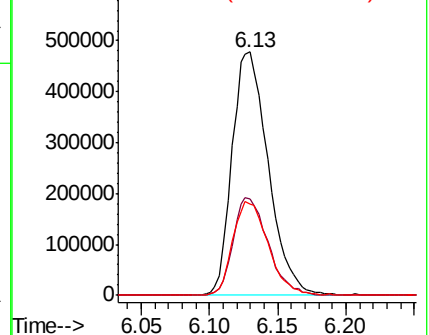
71 38.0 31.7 47.5



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 10.782 ppbv

RT: 7.89 min Scan# 1542

Delta R.T. -0.01 min

Lab File: VL033930.D

Acq: 24 Jun 2019 9:18

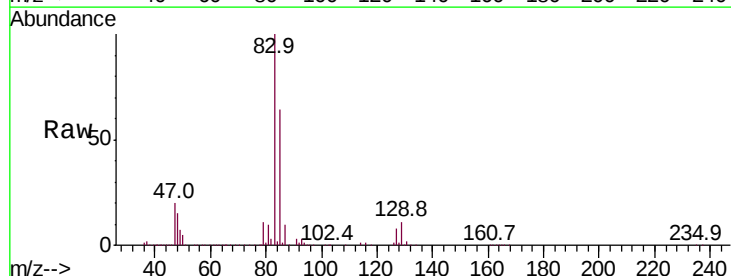
Tgt Ion: 83 Resp: 2110011

Ion Ratio Lower Upper

83 100

85 63.9 50.2 75.2

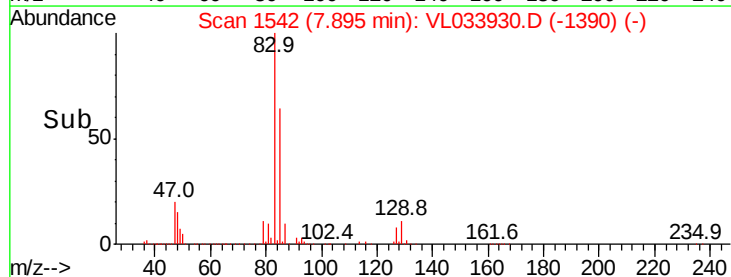
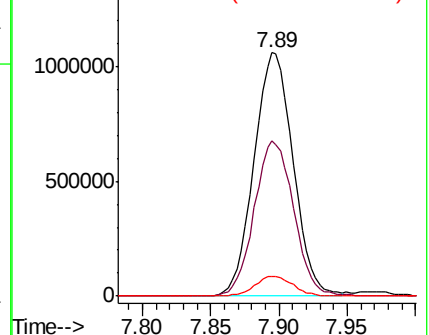
127 7.9 6.5 9.7

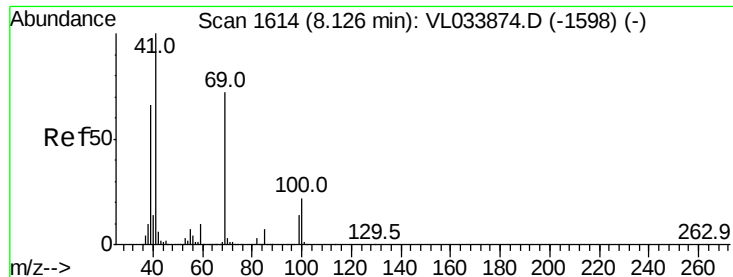


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V





#43

Methyl Methacrylate

Concen: 12.297 ppbv

RT: 8.11 min Scan# 1610

Delta R.T. -0.01 min

Lab File: VL033930.D

Acq: 24 Jun 2019 9:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

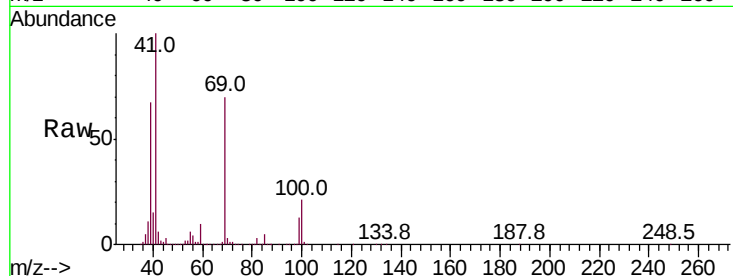
Tot Ion: 69 Resp: 910687

Ion Ratio Lower Upper

69 100

41 147.2 114.3 171.5

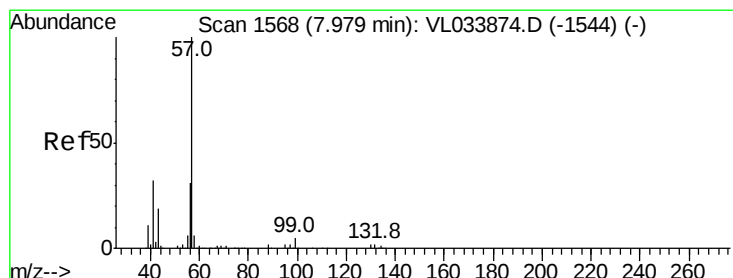
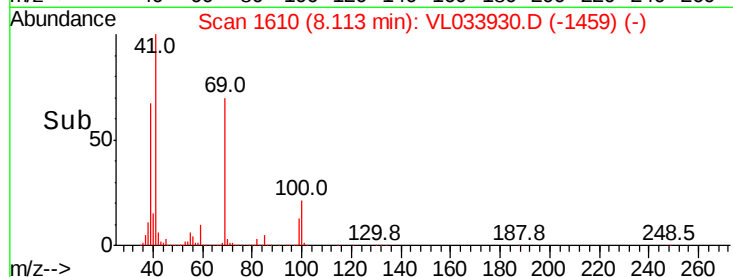
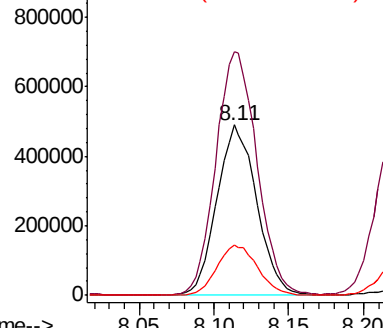
100 30.2 24.8 37.2



Abundance Ion 69.10 (68.80 to 69.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 100.10 (99.80 to 100.80): VL0



#44

2,2,4-Trimethylpentane

Concen: 10.916 ppbv

RT: 7.97 min Scan# 1565

Delta R.T. -0.01 min

Lab File: VL033930.D

Acq: 24 Jun 2019 9:18

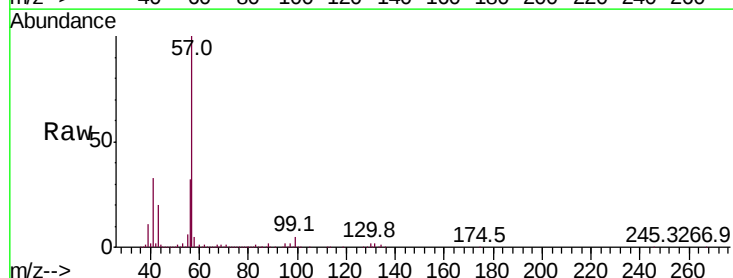
Tgt Ion: 57 Resp: 3843824

Ion Ratio Lower Upper

57 100

41 32.9 26.1 39.1

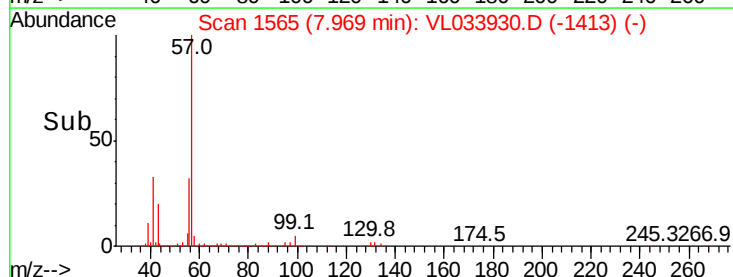
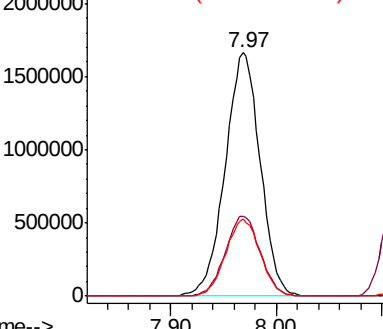
56 31.2 24.6 36.8

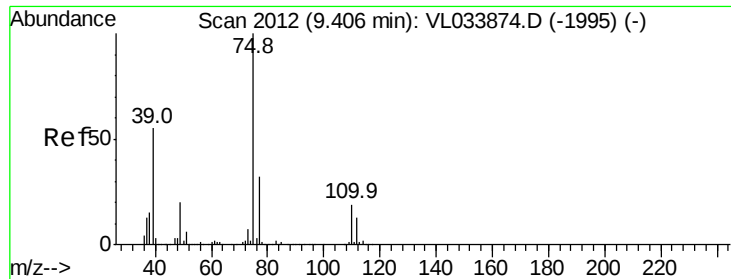


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0

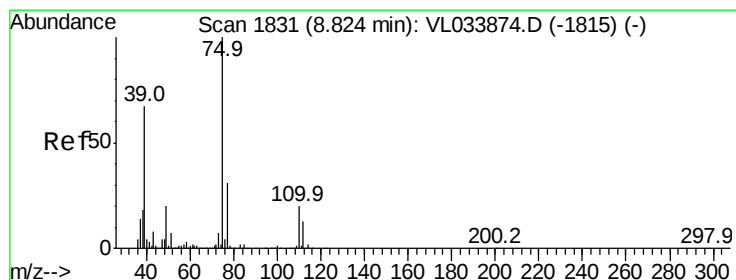
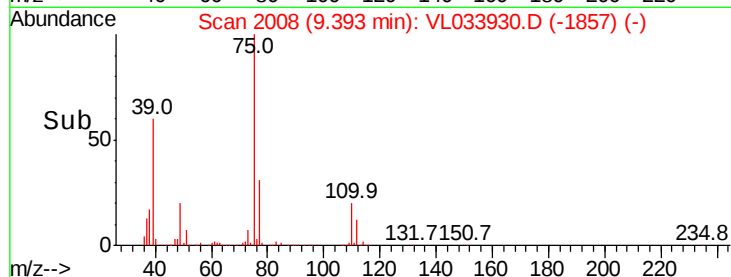
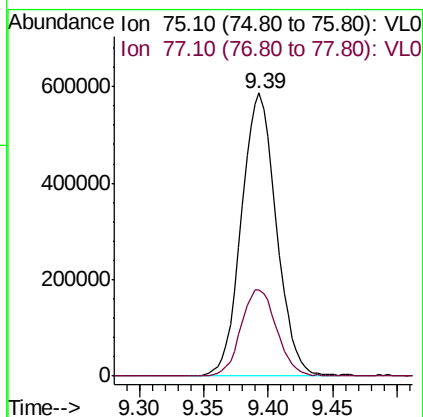
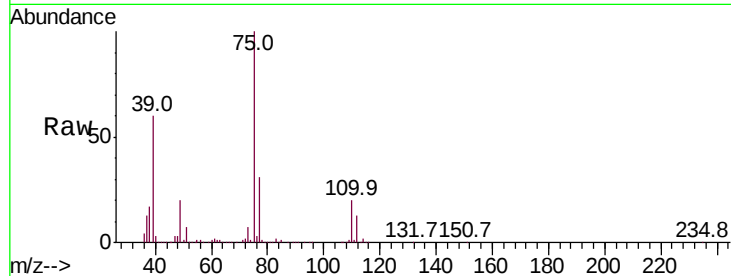




#45
 t-1,3-Dichloropropene
 Concen: 11.414 ppbv
 RT: 9.39 min Scan# 2008
 Delta R.T. -0.01 min
 Lab File: VL033930.D
 Acq: 24 Jun 2019 9:18

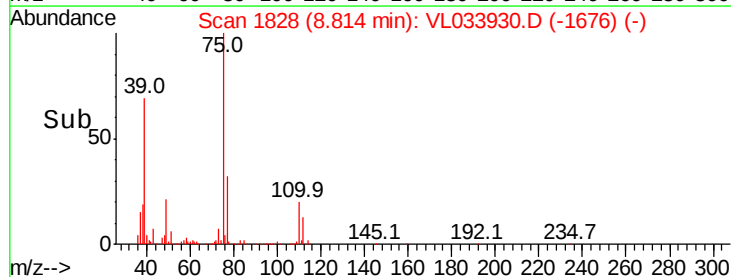
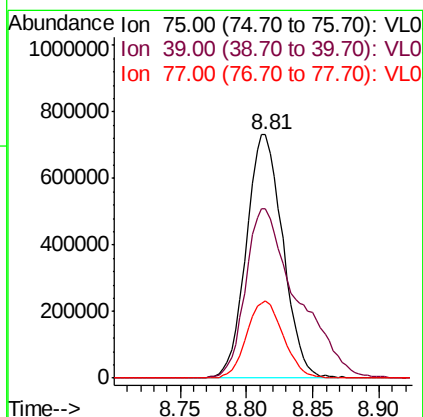
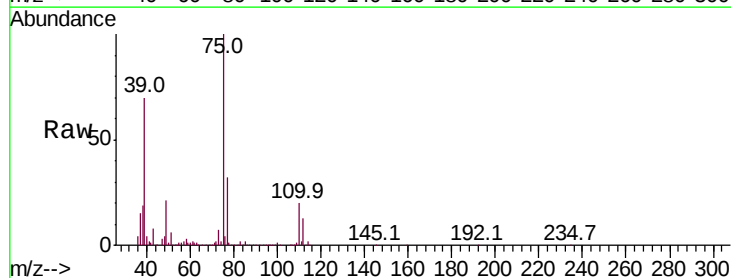
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

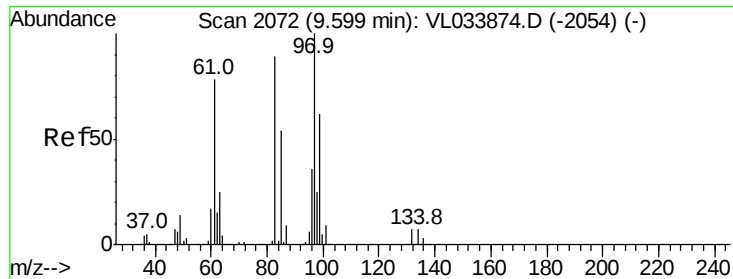
Tot Ion: 75 Resp: 1109136
 Ion Ratio Lower Upper
 75 100
 77 30.6 25.4 38.2



#46
 cis-1,3-Dichloropropene
 Concen: 12.583 ppbv
 RT: 8.81 min Scan# 1828
 Delta R.T. -0.01 min
 Lab File: VL033930.D
 Acq: 24 Jun 2019 9:18

Tgt Ion: 75 Resp: 1400923
 Ion Ratio Lower Upper
 75 100
 39 69.5 53.8 80.8
 77 31.8 24.6 36.8





#47

1,1,2-Trichloroethane

Concen: 9.086 ppbv

RT: 9.59 min Scan# 2070

Delta R.T. -0.01 min

Lab File: VL033930.D

Acq: 24 Jun 2019 9:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 97 Resp: 827829

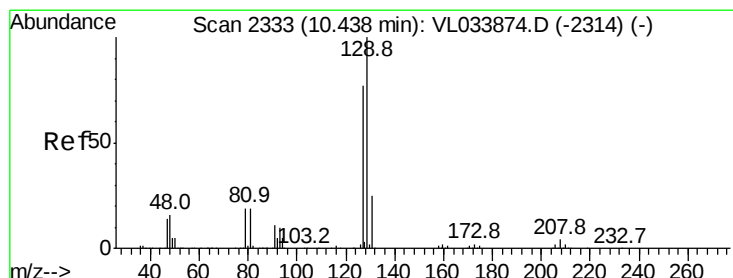
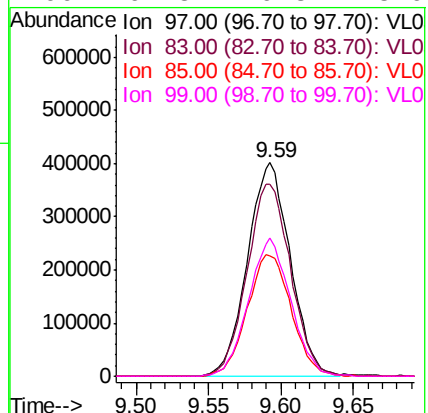
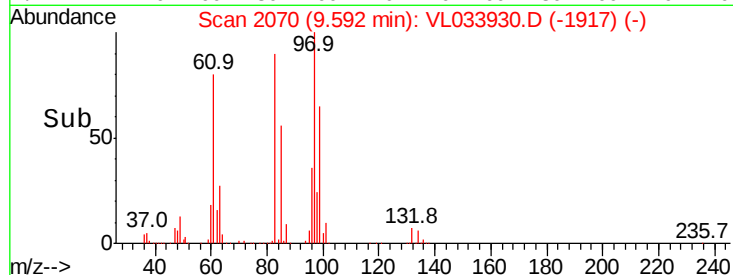
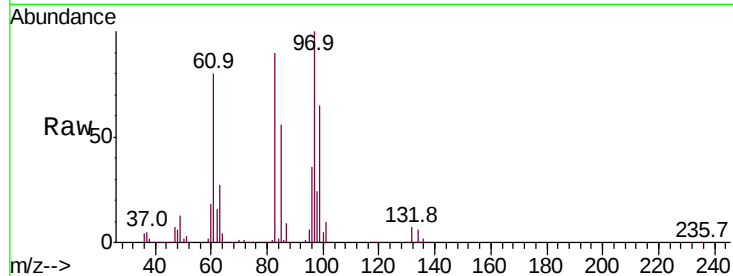
Ion	Ratio	Lower	Upper
97	100		
83	89.8	70.9	106.3
85	56.2	43.0	64.6
99	64.8	49.3	73.9

97 100

83 89.8 70.9 106.3

85 56.2 43.0 64.6

99 64.8 49.3 73.9



#48

Dibromochloromethane

Concen: 9.798 ppbv

RT: 10.43 min Scan# 2329

Delta R.T. -0.01 min

Lab File: VL033930.D

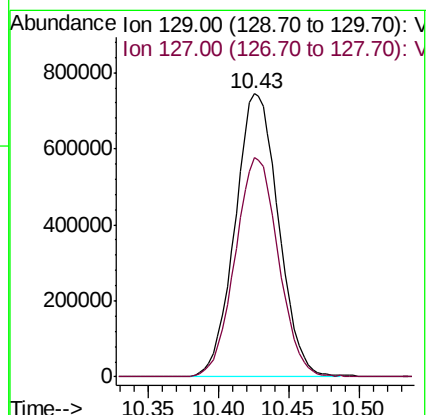
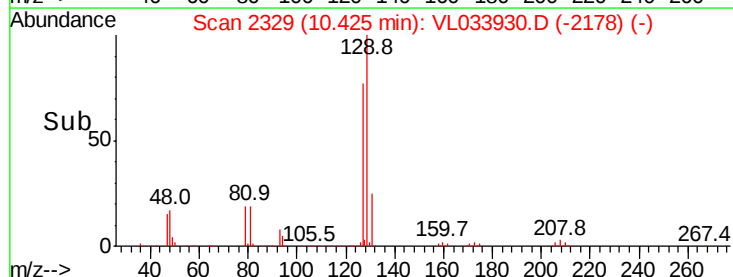
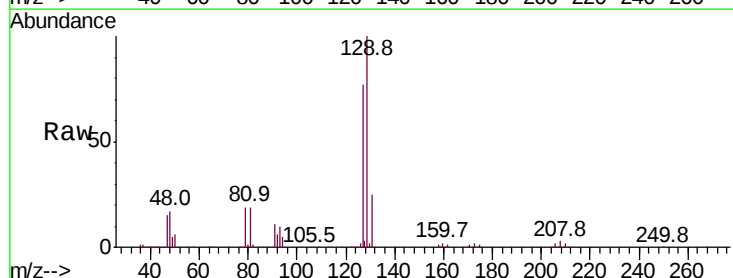
Acq: 24 Jun 2019 9:18

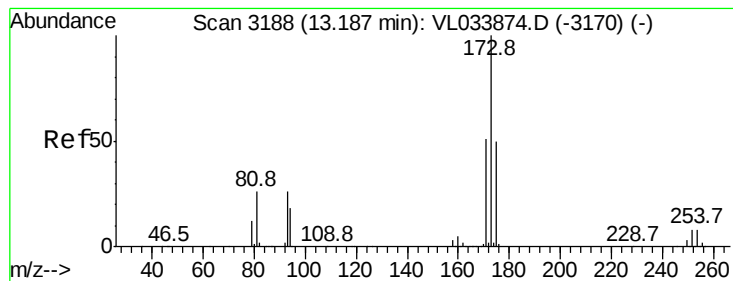
Tgt Ion: 129 Resp: 1604287

Ion	Ratio	Lower	Upper
129	100		
127	77.4	38.6	115.7

129 100

127 77.4 38.6 115.7





#49

Bromoform

Concen: 11.352 ppbv

RT: 13.18 min Scan# 3185

Delta R.T. -0.01 min

Lab File: VL033930.D

Acq: 24 Jun 2019 9:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

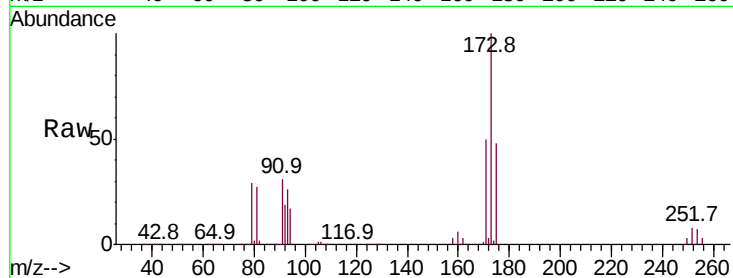
Tot Ion:173 Resp: 1640793

Ion Ratio Lower Upper

173 100

175 48.9 39.6 59.4

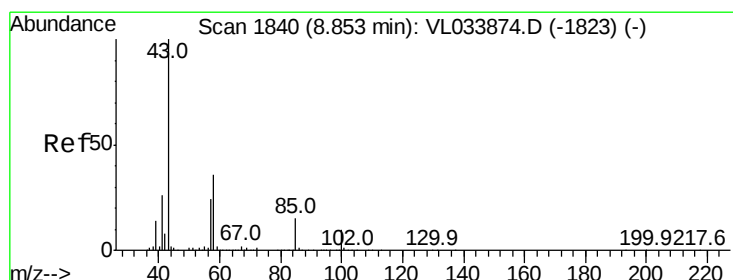
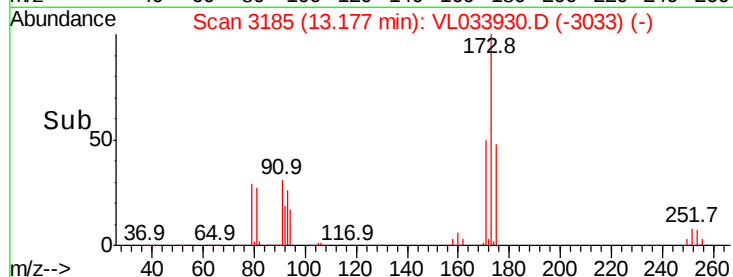
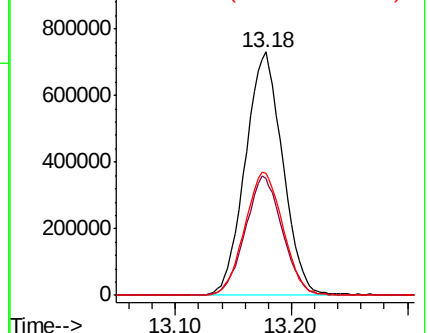
171 51.9 41.8 62.8



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: 11.558 ppbv

RT: 8.85 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VL033930.D

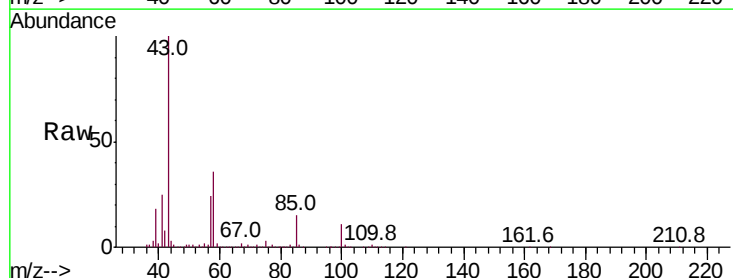
Acq: 24 Jun 2019 9:18

Tgt Ion: 43 Resp: 2520525

Ion Ratio Lower Upper

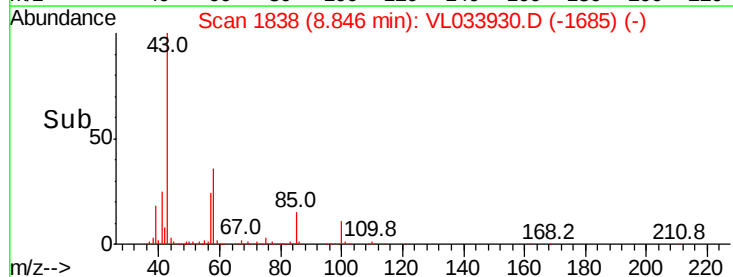
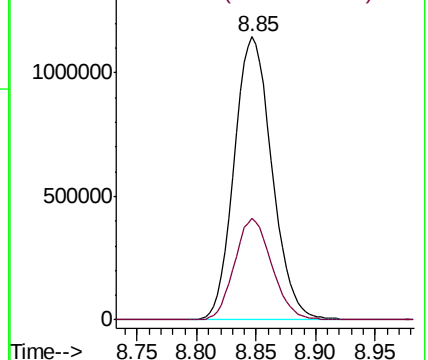
43 100

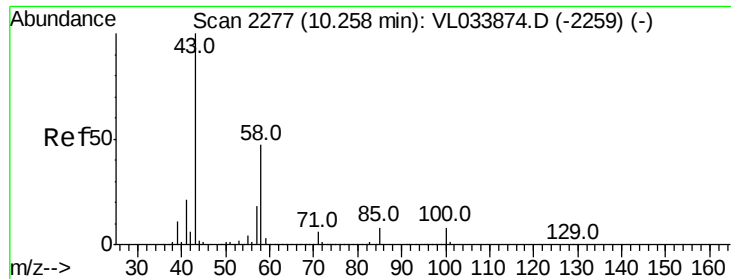
58 35.5 28.6 42.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 10.865 ppbv

RT: 10.25 min Scan# 2274

Delta R.T. -0.01 min

Lab File: VL033930.D

Acq: 24 Jun 2019 9:18

Instrument :

MSVOA_L

ClientSampled :

VSTDCCC010

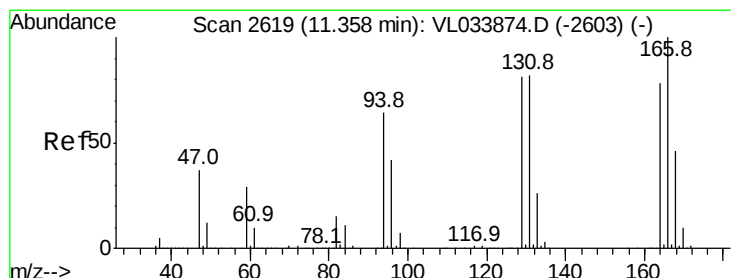
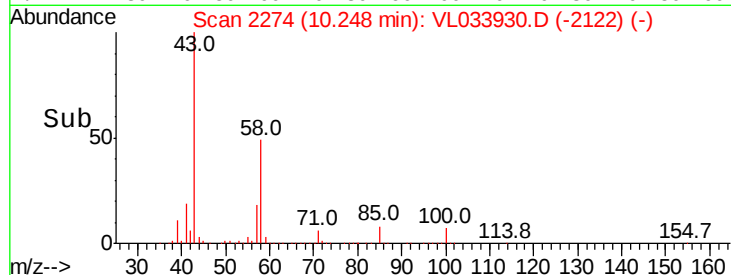
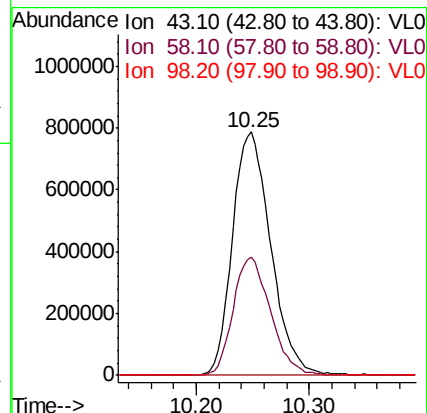
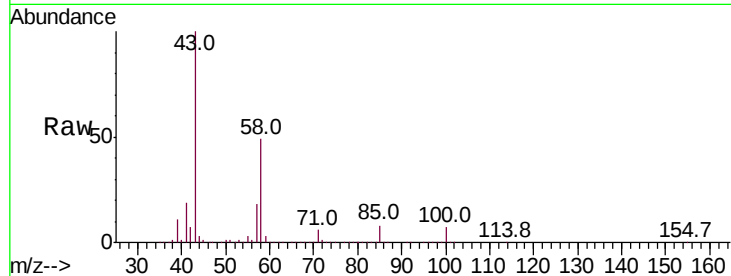
Tot Ion: 43 Resp: 1850251

Ion Ratio Lower Upper

43 100

58 47.4 38.2 57.4

98 0.4 0.2 0.2#



#52

Tetrachloroethene

Concen: 11.886 ppbv

RT: 11.34 min Scan# 2615

Delta R.T. -0.01 min

Lab File: VL033930.D

Acq: 24 Jun 2019 9:18

Tgt Ion: 164 Resp: 828200

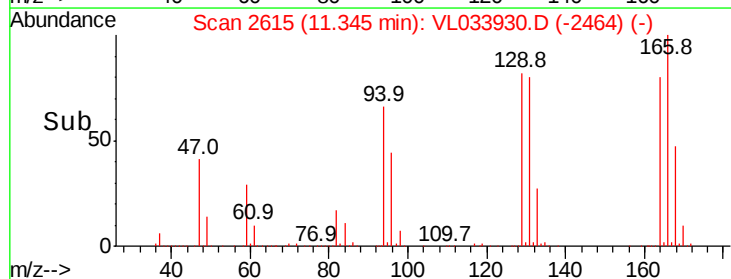
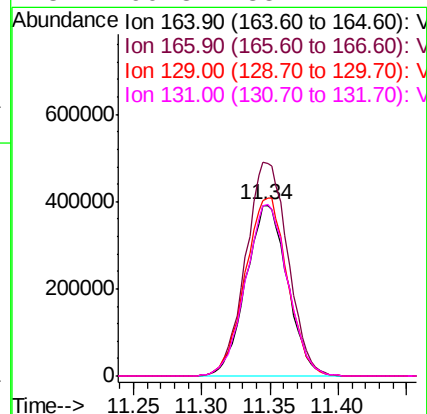
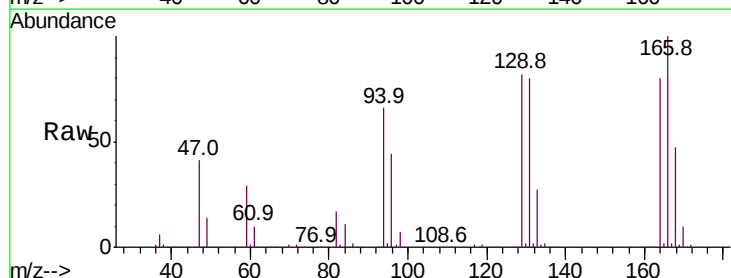
Ion Ratio Lower Upper

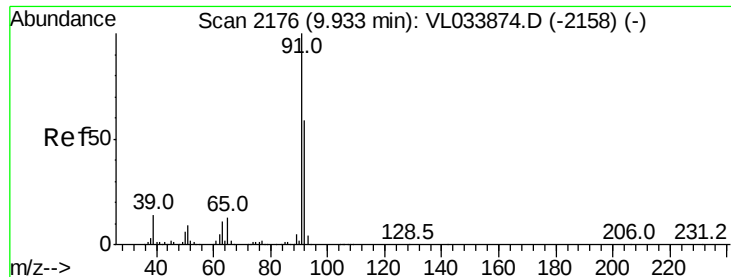
164 100

166 124.8 103.1 154.7

129 102.5 83.9 125.9

131 99.8 85.1 127.7





#53

Toluene

Concen: 10.664 ppbv

RT: 9.92 min Scan# 2172

Delta R.T. -0.01 min

Lab File: VL033930.D

Acq: 24 Jun 2019 9:18

Instrument :

MSVOA_L

ClientSampleId :

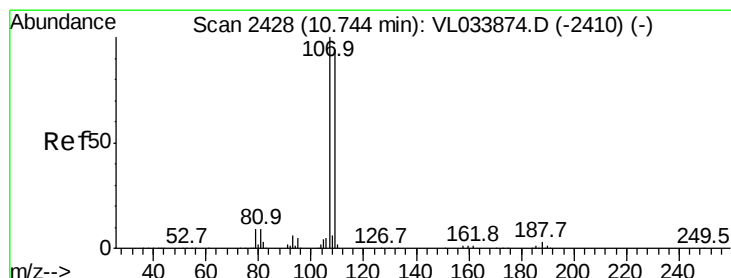
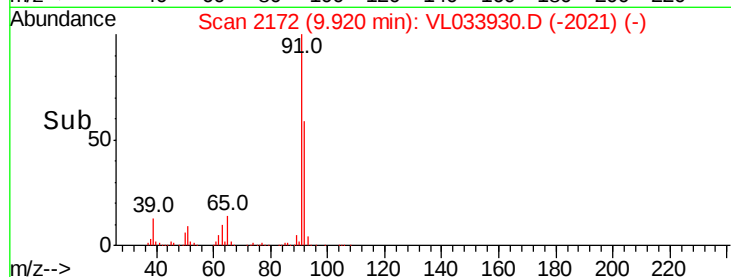
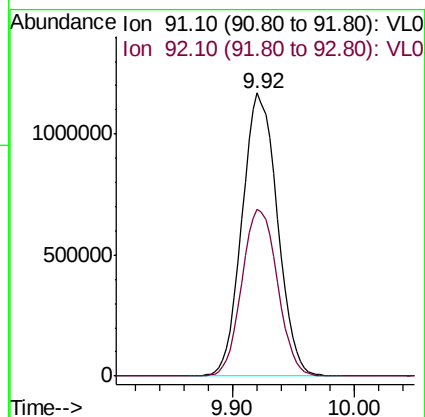
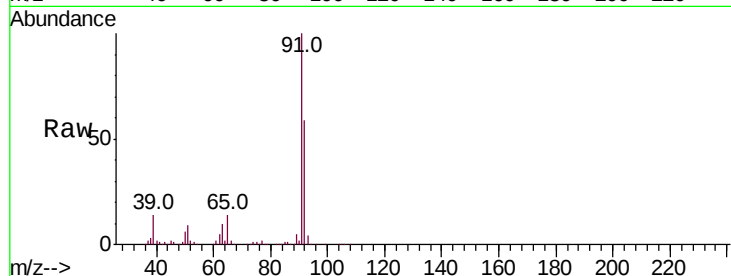
VSTDCCC010

Tot Ion: 91 Resp: 2336878

Ion Ratio Lower Upper

91 100

92 59.7 47.0 70.6



#54

1,2-Dibromoethane

Concen: 9.747 ppbv

RT: 10.73 min Scan# 2425

Delta R.T. -0.01 min

Lab File: VL033930.D

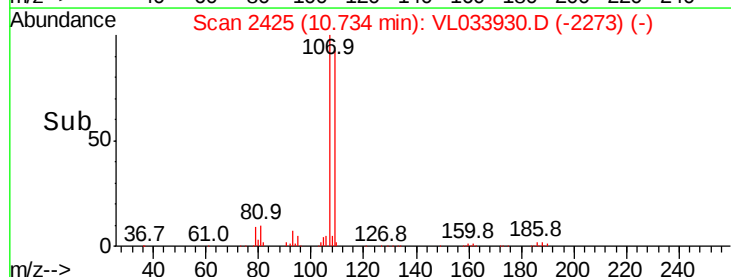
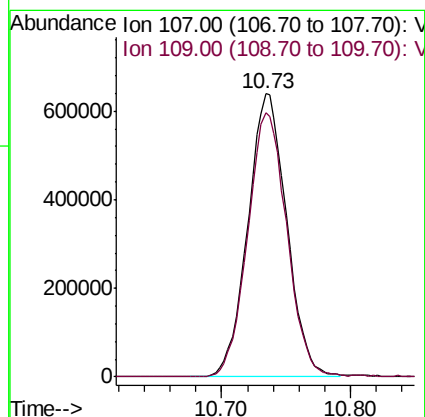
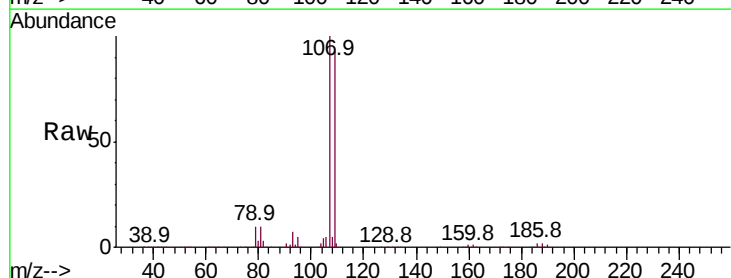
Acq: 24 Jun 2019 9:18

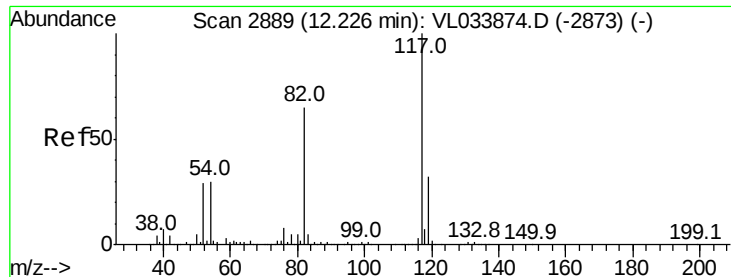
Tgt Ion: 107 Resp: 1338705

Ion Ratio Lower Upper

107 100

109 93.1 74.9 112.3

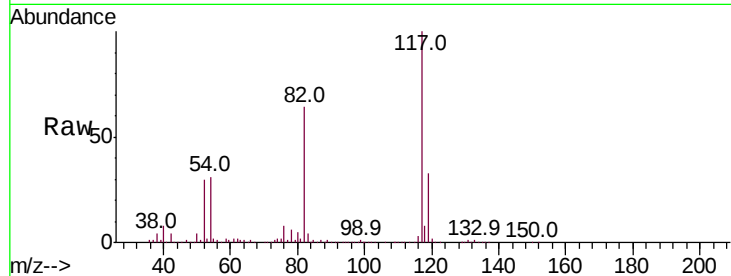




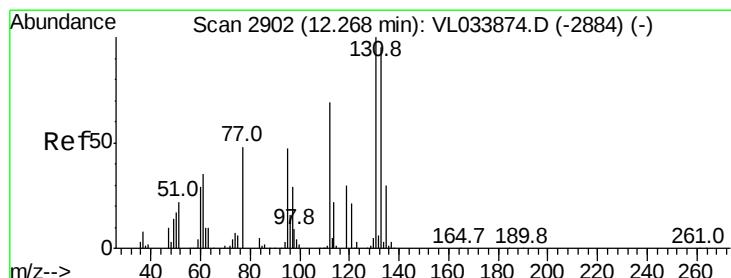
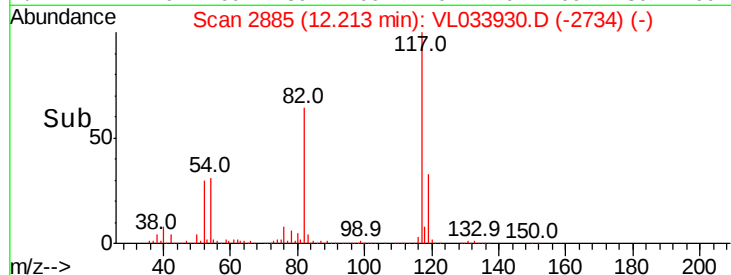
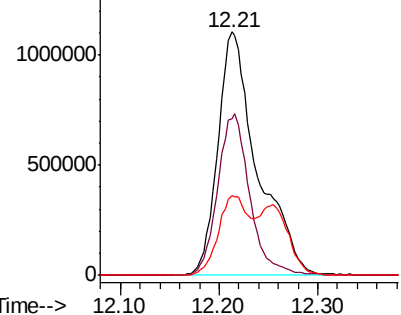
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.21 min Scan# 2885
Delta R.T. -0.01 min
Lab File: VL033930.D
Acq: 24 Jun 2019 9:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:117 Resp: 3084903
Ion Ratio Lower Upper
117 100
82 54.1 50.2 75.2
119 25.8 24.8 37.2

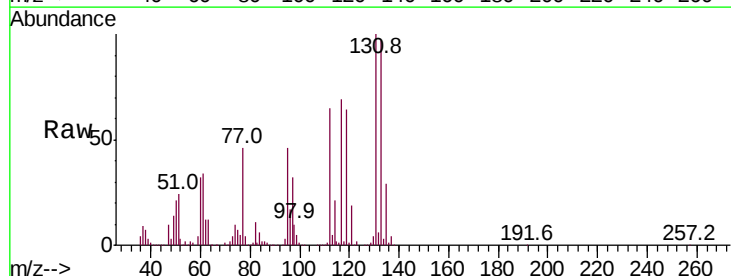


Abundance Ion 117.10 (116.80 to 117.80): V
1500000
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

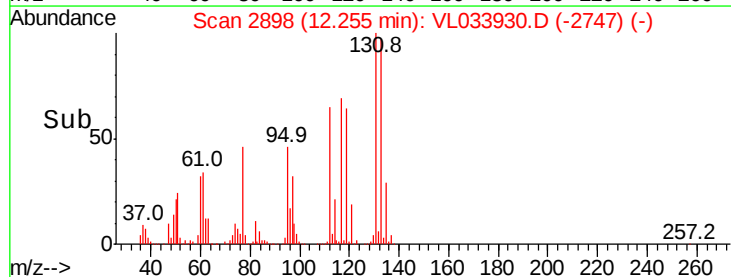
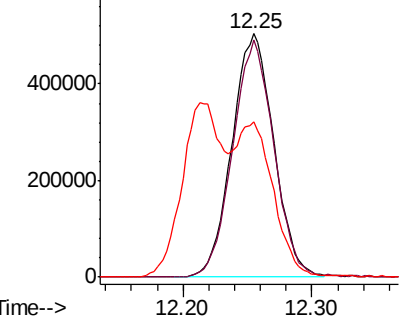


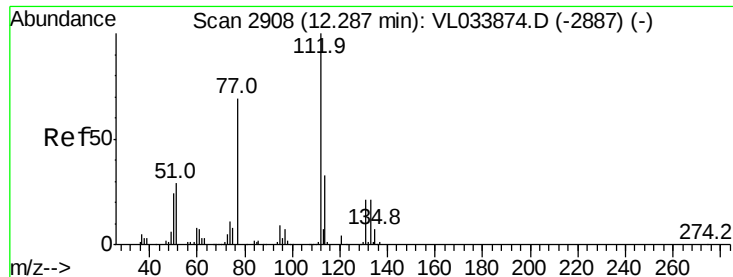
#56
1,1,1,2-Tetrachloroethane
Concen: 8.453 ppbv
RT: 12.25 min Scan# 2898
Delta R.T. -0.01 min
Lab File: VL033930.D
Acq: 24 Jun 2019 9:18

Tgt Ion:131 Resp: 1139191
Ion Ratio Lower Upper
131 100
133 96.3 76.5 114.7
119 53.7 42.6 64.0



Abundance Ion 131.00 (130.70 to 131.70): V
600000
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 8.508 ppbv

RT: 12.27 min Scan# 2904

Delta R.T. -0.01 min

Lab File: VL033930.D

Acq: 24 Jun 2019 9:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

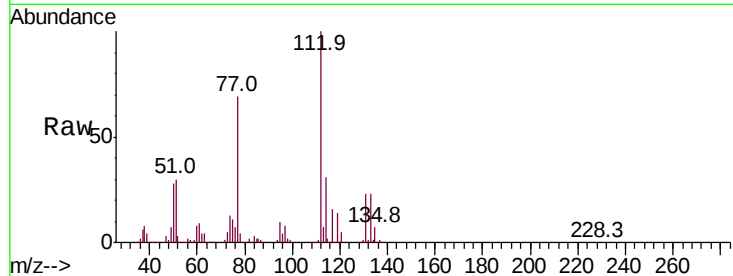
Tot Ion:112 Resp: 1965844

Ion Ratio Lower Upper

112 100

77 68.5 55.8 83.6

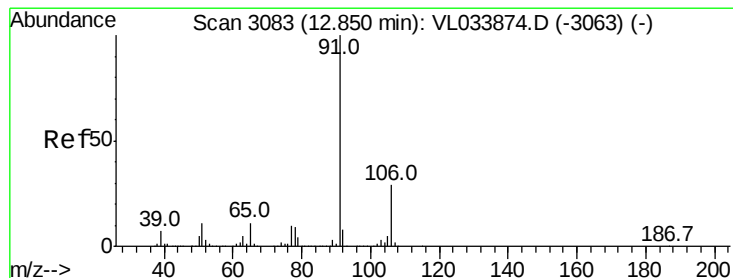
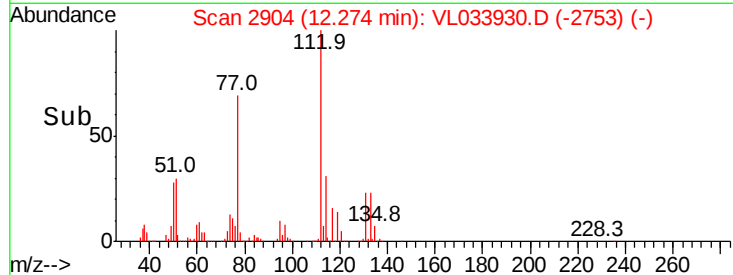
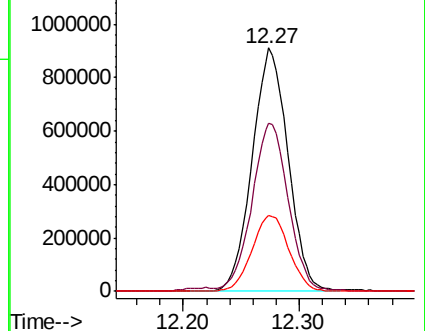
114 31.2 29.8 36.4



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: 9.356 ppbv

RT: 12.84 min Scan# 3079

Delta R.T. -0.01 min

Lab File: VL033930.D

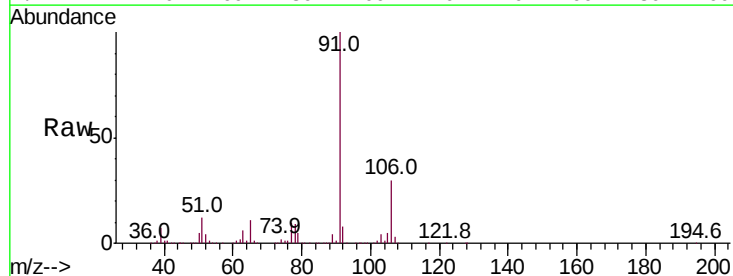
Acq: 24 Jun 2019 9:18

Tgt Ion: 91 Resp: 3253977

Ion Ratio Lower Upper

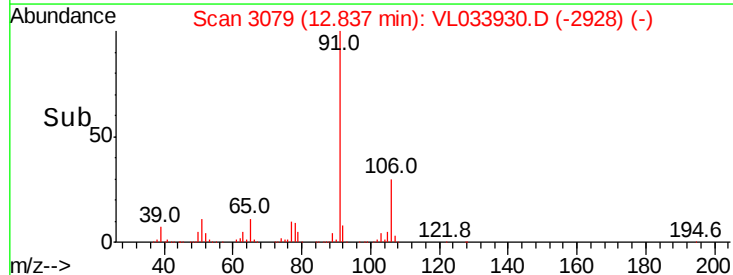
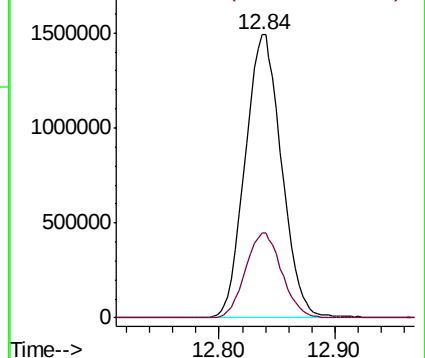
91 100

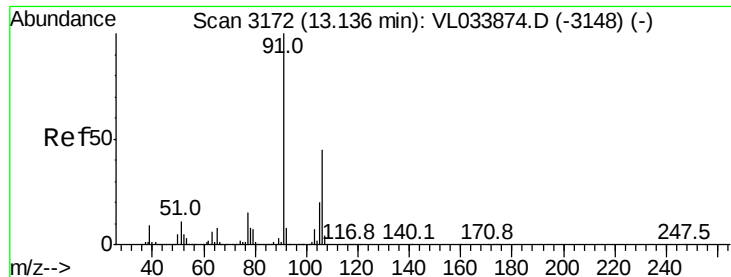
106 30.0 23.0 34.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

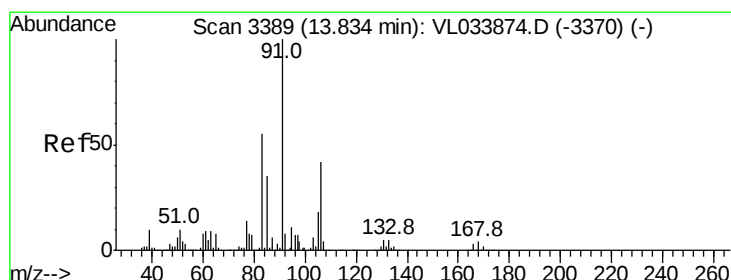
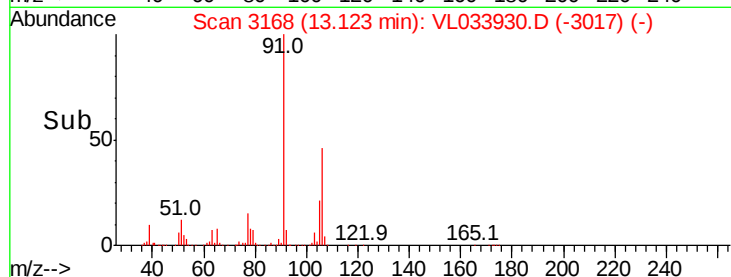
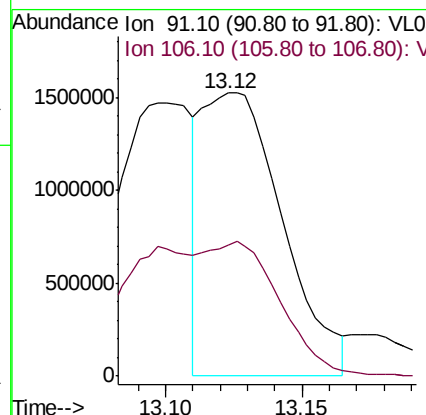
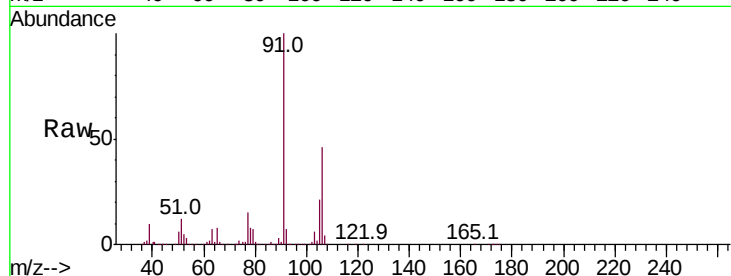




#59
m/p-Xylene
Concen: 9.851 ppbv
RT: 13.12 min Scan# 3168
Delta R.T. -0.01 min
Lab File: VL033930.D
Acq: 24 Jun 2019 9:18

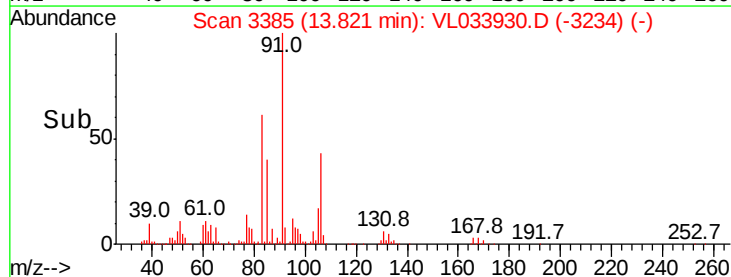
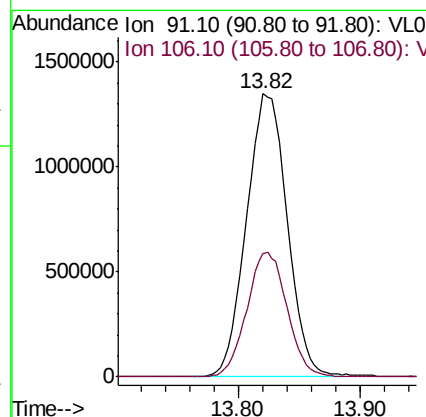
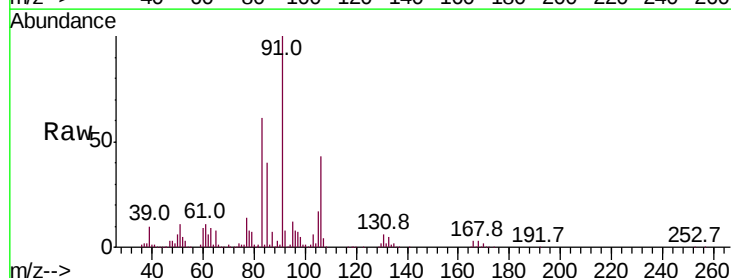
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

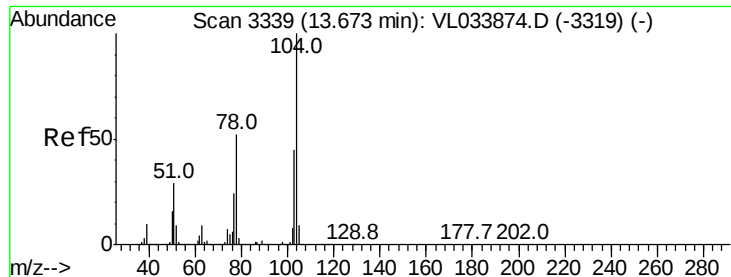
Tot Ion: 91 Resp: 3115679
Ion Ratio Lower Upper
91 100
106 89.4 35.8 53.8#



#60
o-Xylene
Concen: 9.521 ppbv
RT: 13.82 min Scan# 3385
Delta R.T. -0.01 min
Lab File: VL033930.D
Acq: 24 Jun 2019 9:18

Tgt Ion: 91 Resp: 3109300
Ion Ratio Lower Upper
91 100
106 43.7 21.7 65.1





#61

Stvrene

Concen: 10.776 ppbv

RT: 13.66 min Scan# 3334

Delta R.T. -0.02 min

Lab File: VL033930.D

Acq: 24 Jun 2019 9:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

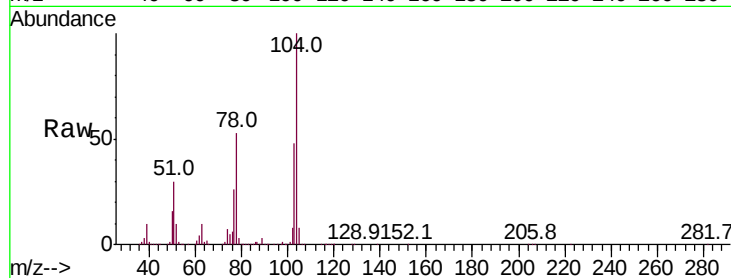
Tot Ion:104 Resp: 2277332

Ion Ratio Lower Upper

104 100

78 54.8 43.4 65.0

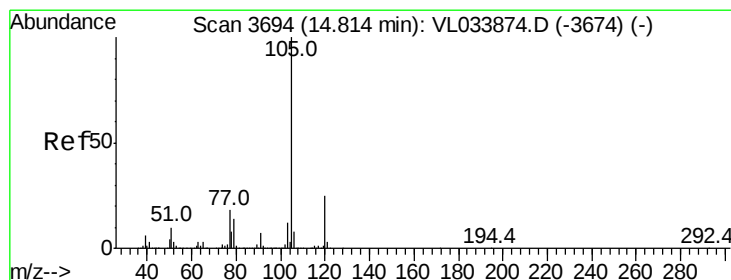
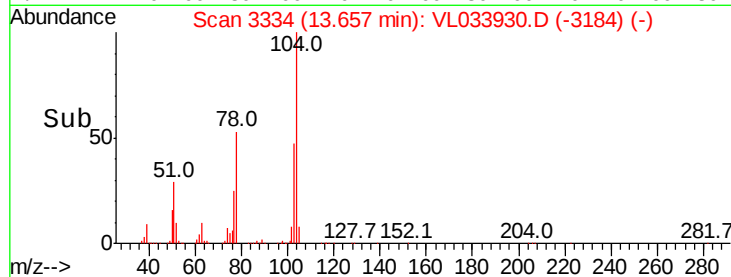
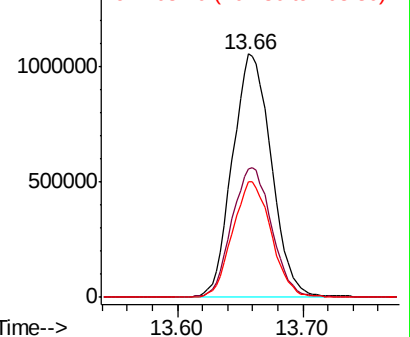
103 47.5 37.6 56.4



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: 9.233 ppbv

RT: 14.80 min Scan# 3689

Delta R.T. -0.02 min

Lab File: VL033930.D

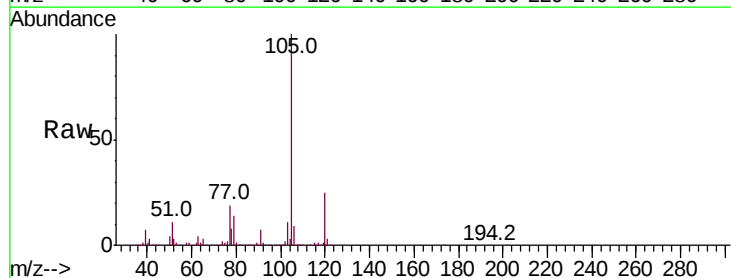
Acq: 24 Jun 2019 9:18

Tgt Ion:105 Resp: 4063959

Ion Ratio Lower Upper

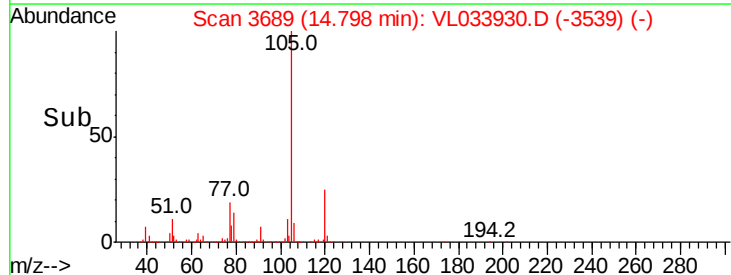
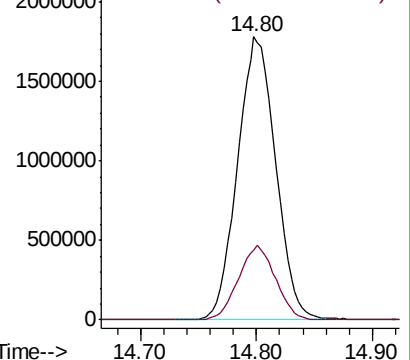
105 100

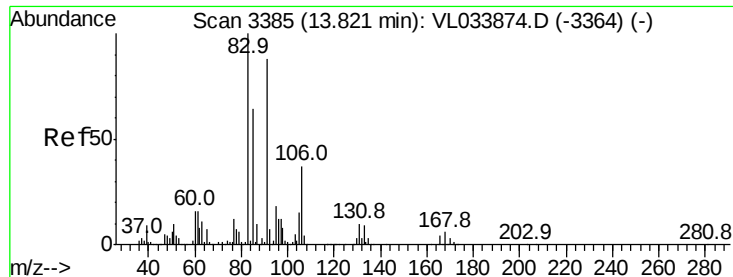
120 25.6 20.3 30.5



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: 9.062 ppbv

RT: 13.81 min Scan# 3382

Delta R.T. -0.01 min

Lab File: VL033930.D

Acq: 24 Jun 2019 9:18

Instrument :

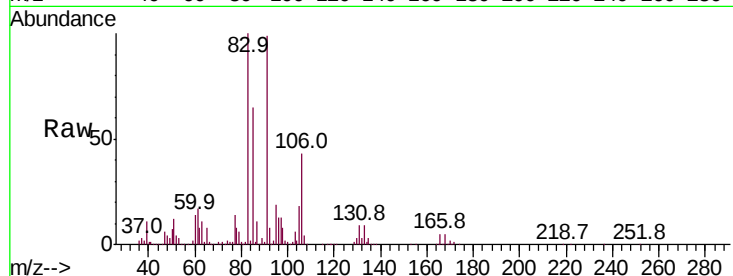
MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 83 Resp: 2227472

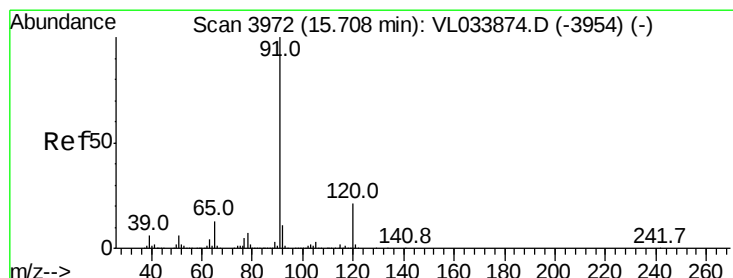
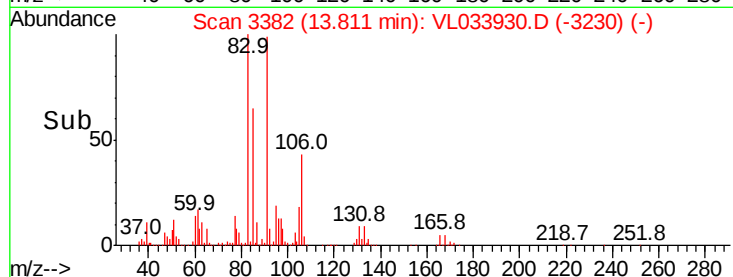
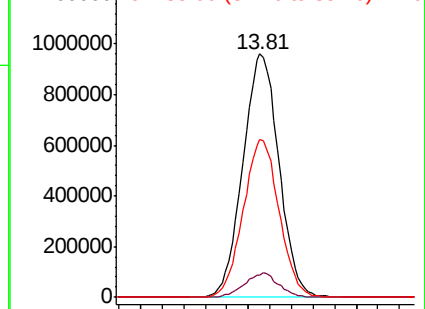
Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.8	14.4
85	64.6	32.1	96.3



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: 9.509 ppbv

RT: 15.70 min Scan# 3968

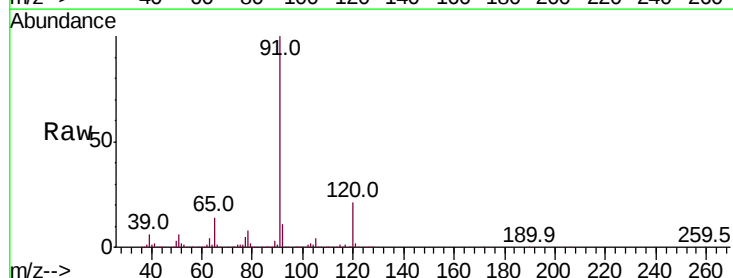
Delta R.T. -0.01 min

Lab File: VL033930.D

Acq: 24 Jun 2019 9:18

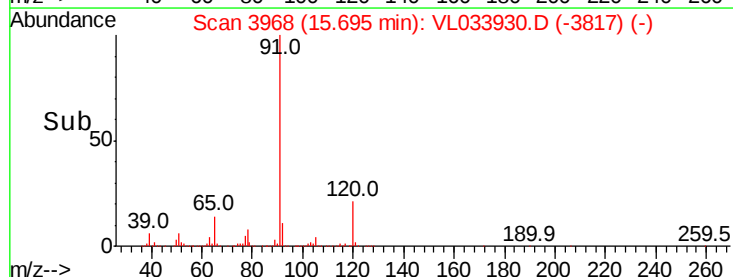
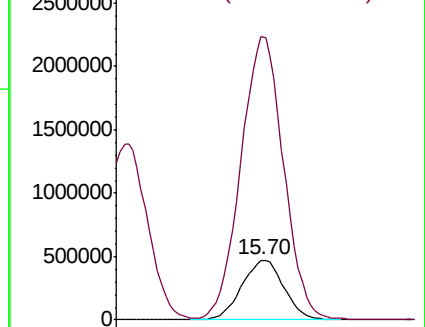
Tgt Ion:120 Resp: 1071773

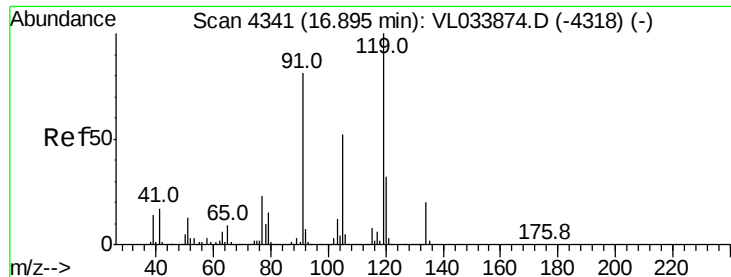
Ion	Ratio	Lower	Upper
120	100		
91	481.8	387.0	580.6



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 9.410 ppbv

RT: 16.88 min Scan# 4338

Delta R.T. -0.01 min

Lab File: VL033930.D

Acq: 24 Jun 2019 9:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

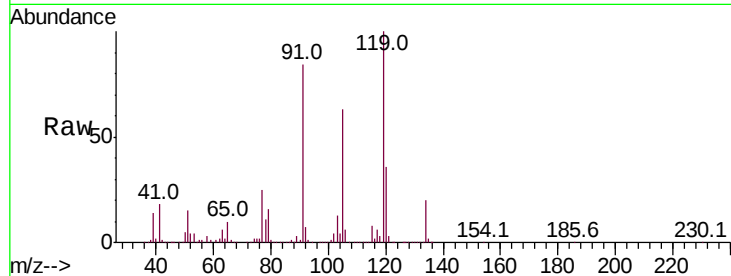
Tot Ion:119 Resp: 3832281

Ion Ratio Lower Upper

119 100

91 83.9 66.6 100.0

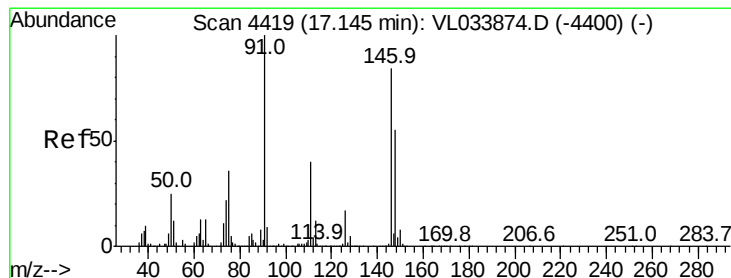
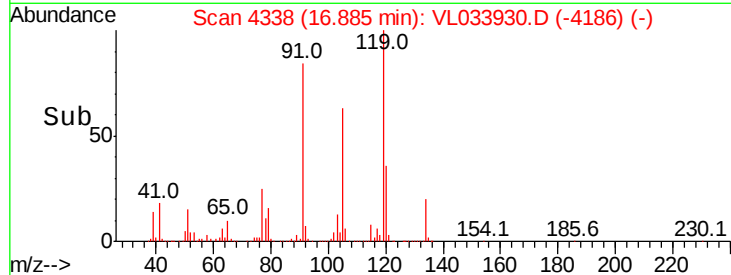
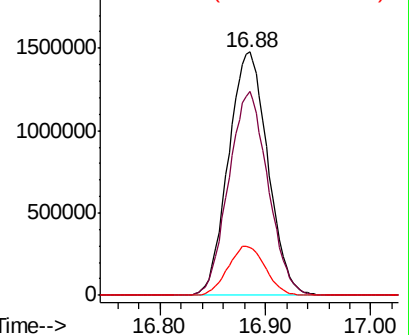
134 19.3 15.5 23.3



Abundance Ion 119.20 (118.90 to 119.90): V

2000000 Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 10.491 ppbv

RT: 17.13 min Scan# 4414

Delta R.T. -0.02 min

Lab File: VL033930.D

Acq: 24 Jun 2019 9:18

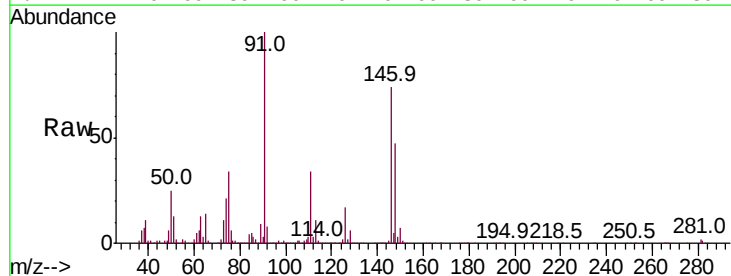
Tgt Ion: 91 Resp: 2165149

Ion Ratio Lower Upper

91 100

126 17.2 13.8 20.6

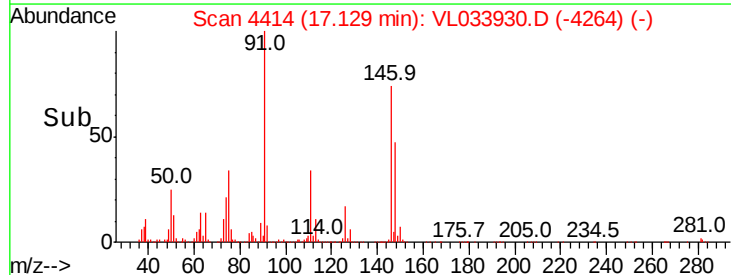
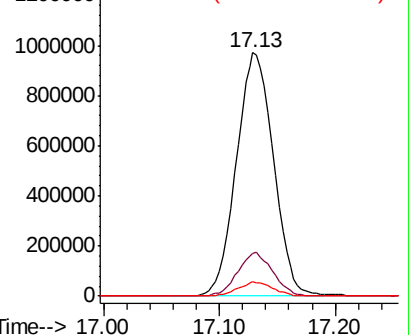
128 5.5 4.4 6.6

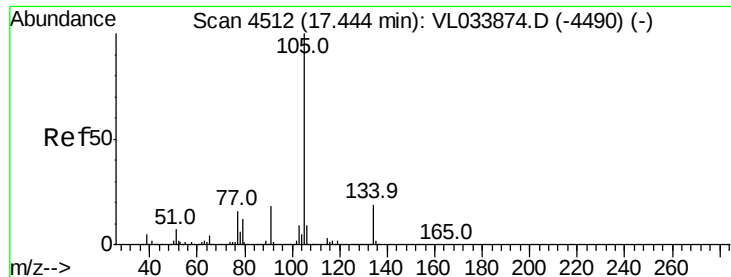


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 9.236 ppbv

RT: 17.43 min Scan# 4508

Delta R.T. -0.01 min

Lab File: VL033930.D

Acq: 24 Jun 2019 9:18

Instrument :

MSVOA_L

ClientSampleId :

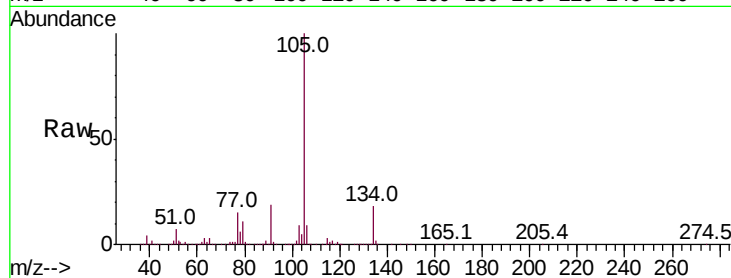
VSTDCCC010

Tot Ion:105 Resp: 5276684

Ion Ratio Lower Upper

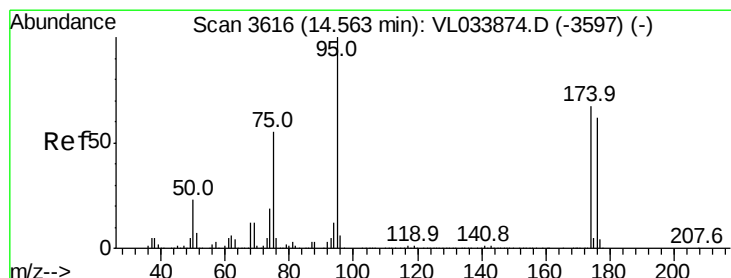
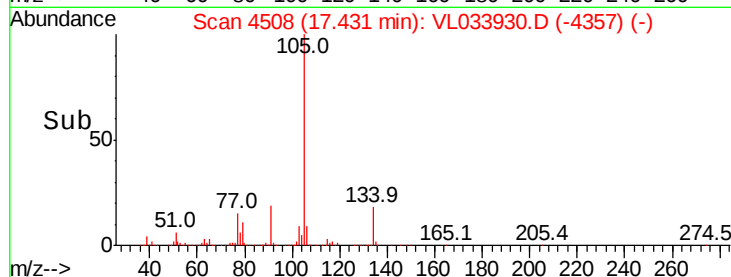
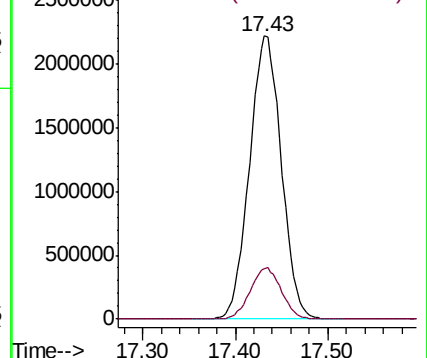
105 100

134 17.8 14.6 22.0



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: 8.517 ppbv

RT: 14.55 min Scan# 3612

Delta R.T. -0.01 min

Lab File: VL033930.D

Acq: 24 Jun 2019 9:18

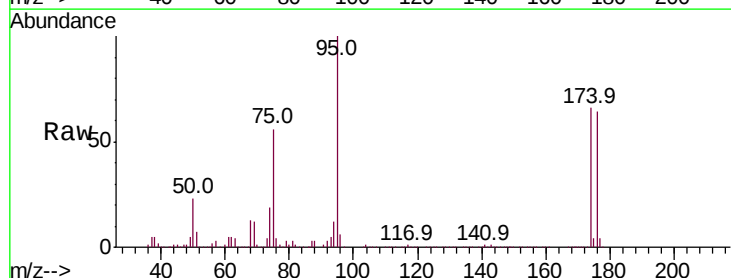
Tgt Ion: 95 Resp: 2158015

Ion Ratio Lower Upper

95 100

174 66.5 54.0 81.0

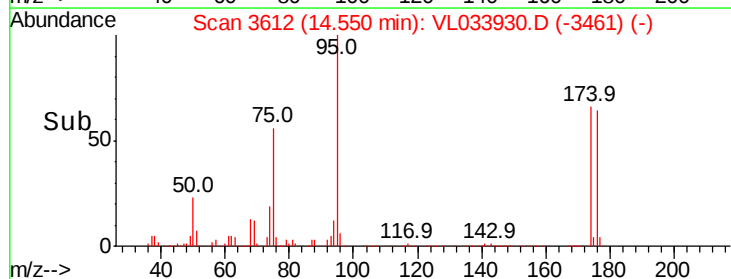
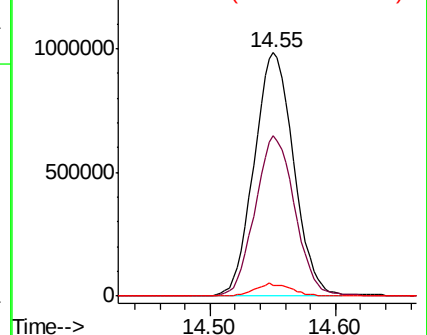
175 4.8 3.8 5.8

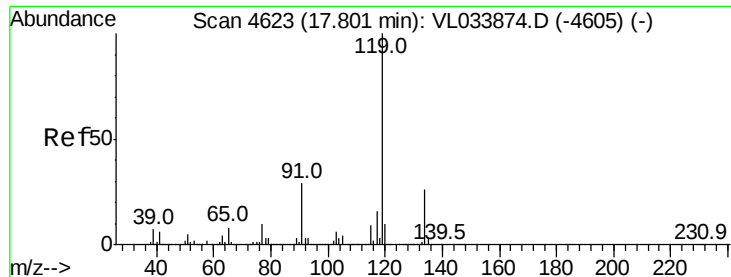


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V



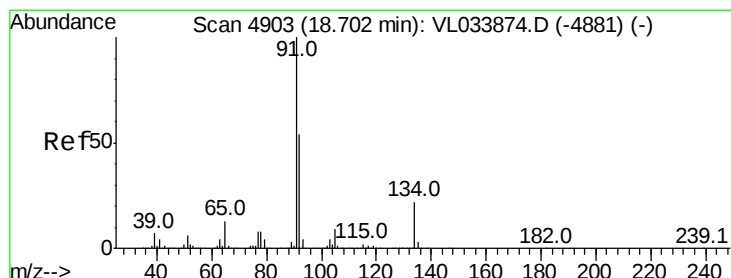
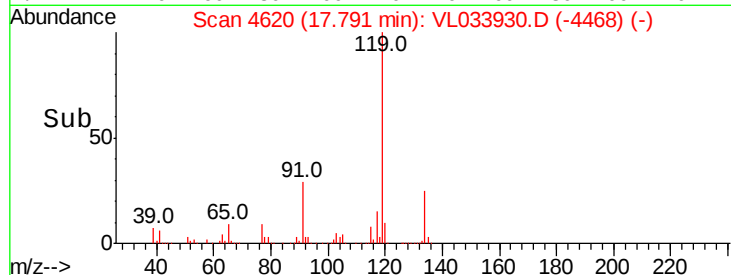
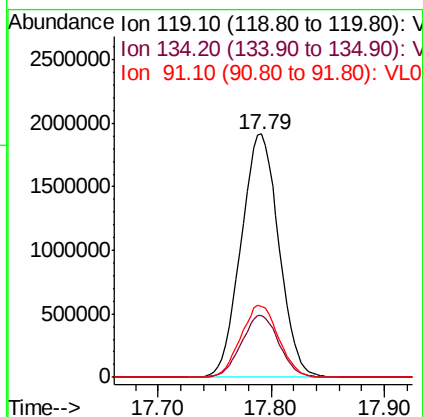
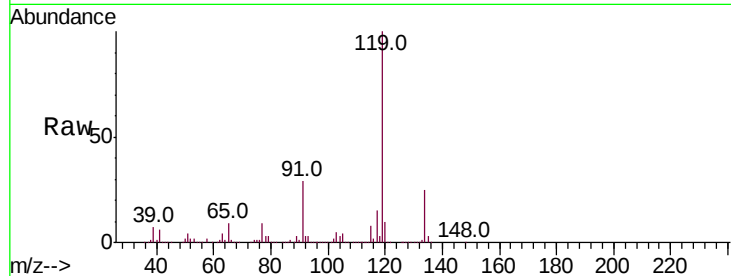


#69
 p-Isopropyltoluene
 Concen: 9.352 ppbv
 RT: 17.79 min Scan# 4620
 Delta R.T. -0.01 min
 Lab File: VL033930.D
 Acq: 24 Jun 2019 9:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:119 Resp: 4445621

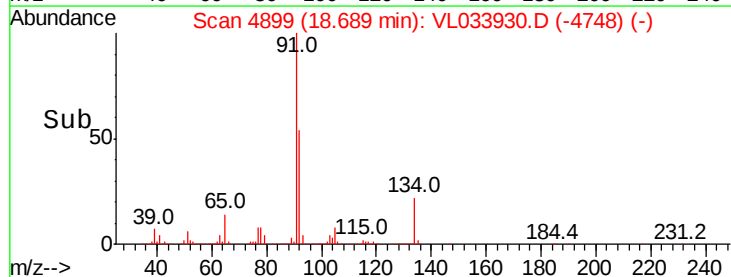
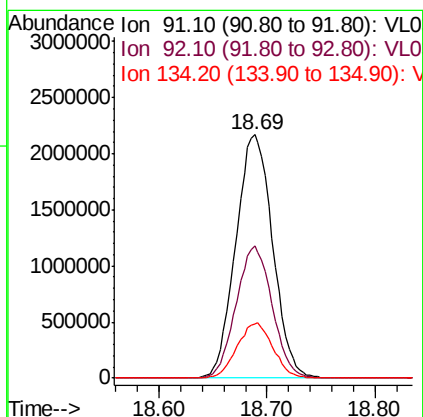
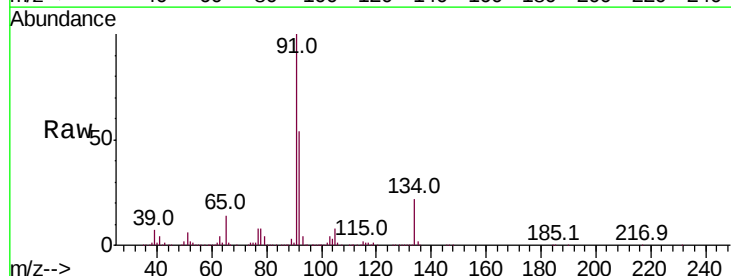
Ion	Ratio	Lower	Upper
119	100		
134	25.3	20.3	30.5
91	29.7	23.8	35.6

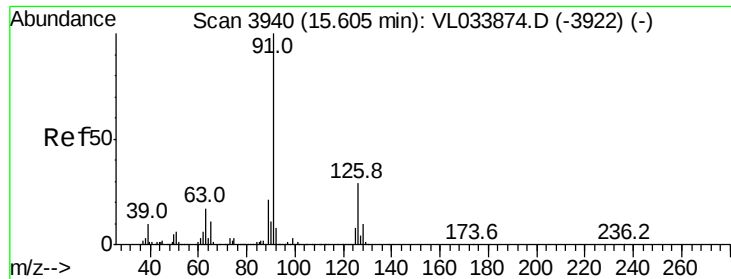


#70
 n-Butylbenzene
 Concen: 9.847 ppbv
 RT: 18.69 min Scan# 4899
 Delta R.T. -0.01 min
 Lab File: VL033930.D
 Acq: 24 Jun 2019 9:18

Tgt Ion: 91 Resp: 5126758

Ion	Ratio	Lower	Upper
91	100		
92	53.2	42.5	63.7
134	22.1	17.8	26.6

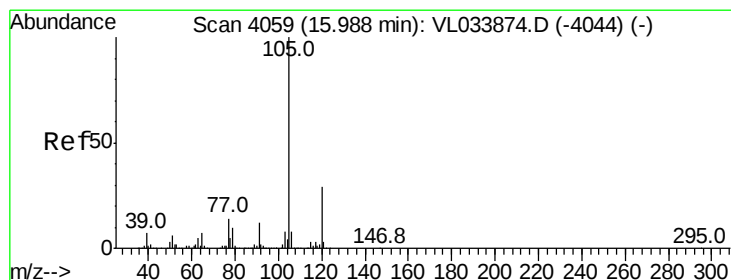
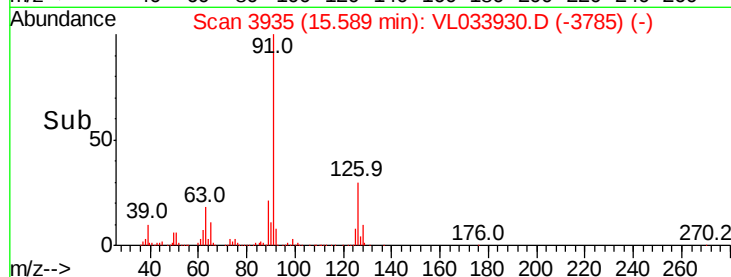
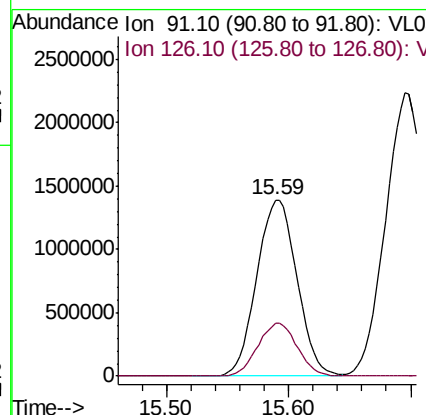
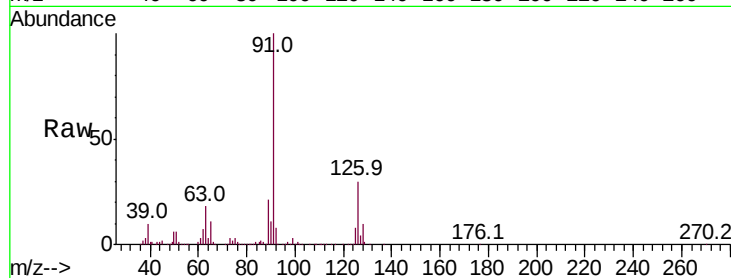




#71
 2-Chlorotoluene
 Concen: 9.799 ppbv
 RT: 15.59 min Scan# 3935
 Delta R.T. -0.02 min
 Lab File: VL033930.D
 Acq: 24 Jun 2019 9:18

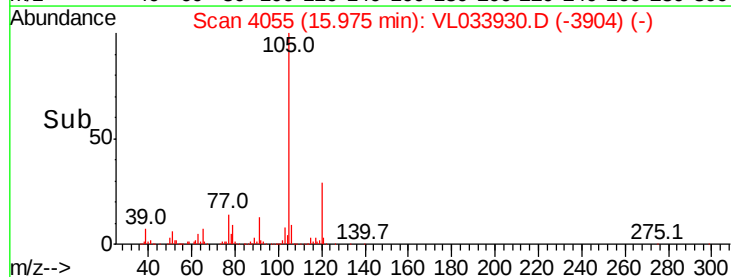
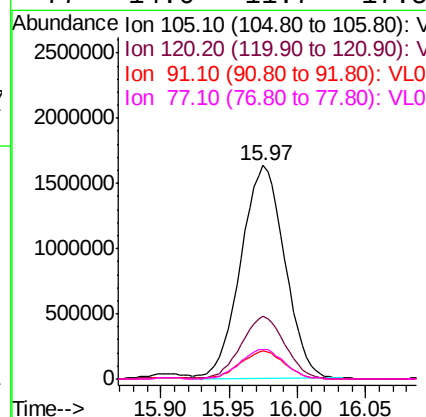
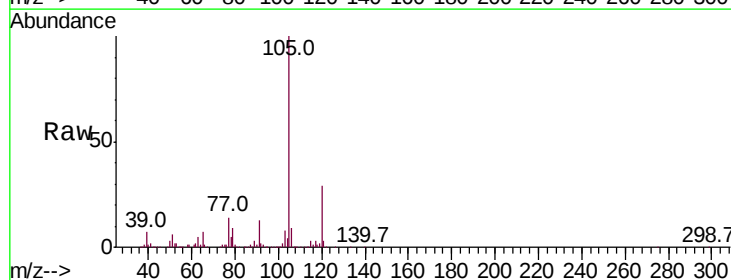
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

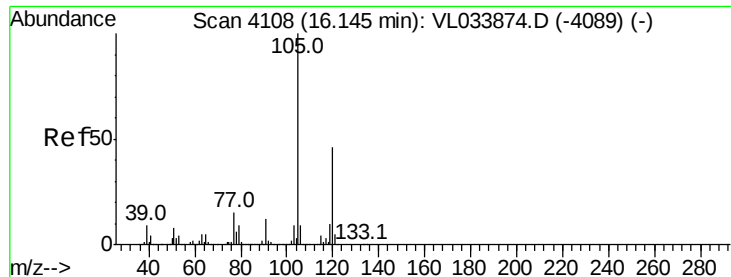
Tot Ion: 91 Resp: 3177290
 Ion Ratio Lower Upper
 91 100
 126 29.8 12.0 48.2



#72
 4-Ethyltoluene
 Concen: 9.825 ppbv
 RT: 15.97 min Scan# 4055
 Delta R.T. -0.01 min
 Lab File: VL033930.D
 Acq: 24 Jun 2019 9:18

Tgt Ion: 105 Resp: 3651165
 Ion Ratio Lower Upper
 105 100
 120 29.2 23.5 35.3
 91 13.3 10.4 15.6
 77 14.6 11.7 17.5





#73

1,3,5-Trimethylbenzene

Concen: 9.578 ppbv

RT: 16.13 min Scan# 4104

Delta R.T. -0.01 min

Lab File: VL033930.D

Acq: 24 Jun 2019 9:18

Instrument :

MSVOA_L

ClientSampleId :

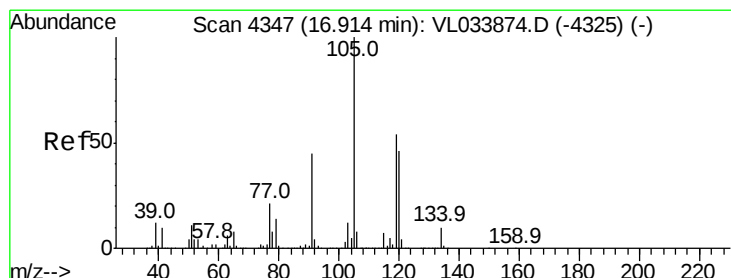
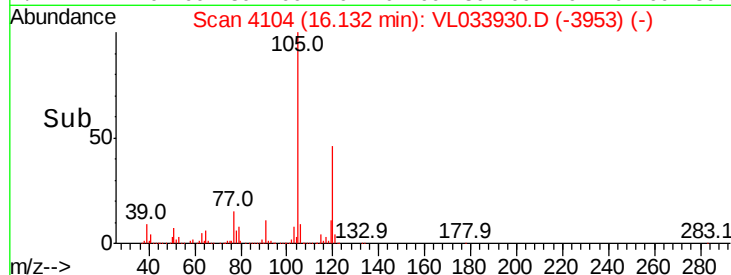
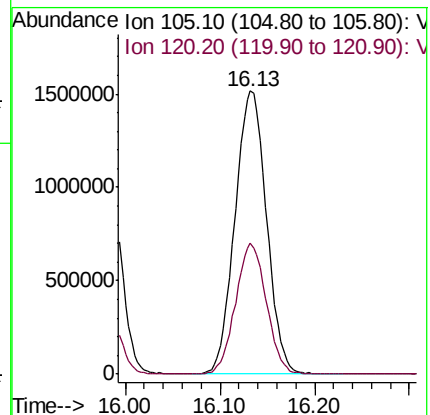
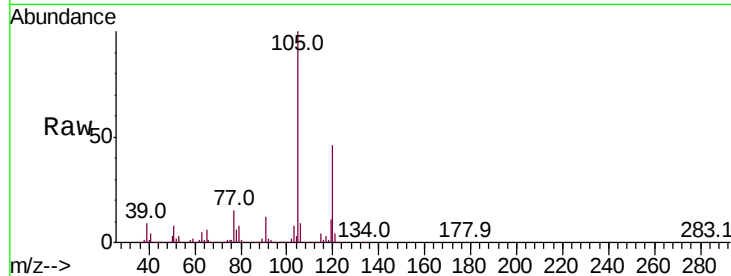
VSTDCCC010

Tot Ion:105 Resp: 3506161

Ion Ratio Lower Upper

105 100

120 46.5 37.1 55.7



#74

1,2,4-Trimethylbenzene

Concen: 8.928 ppbv

RT: 16.90 min Scan# 4343

Delta R.T. -0.01 min

Lab File: VL033930.D

Acq: 24 Jun 2019 9:18

Tgt Ion:105 Resp: 3766862

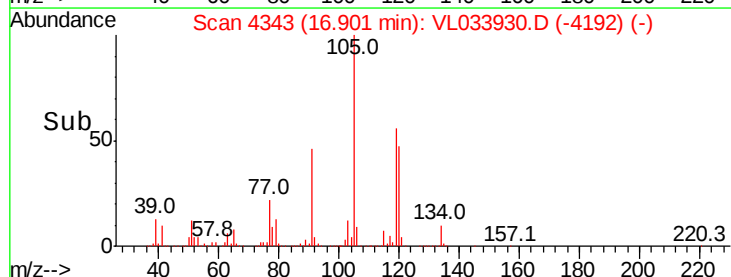
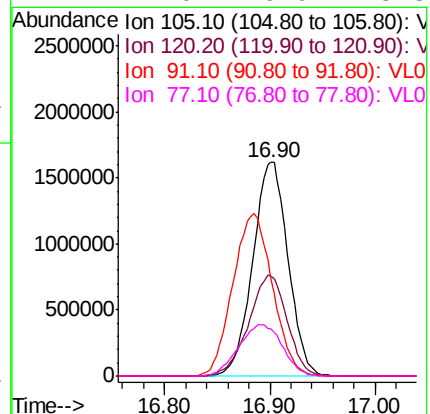
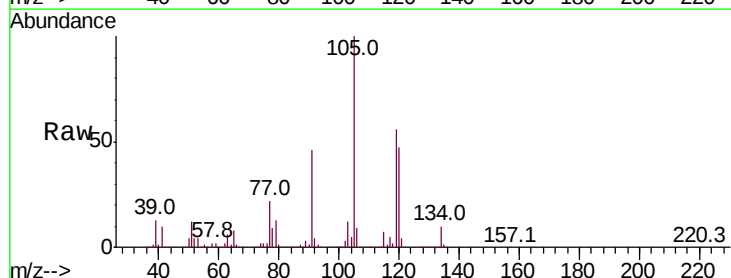
Ion Ratio Lower Upper

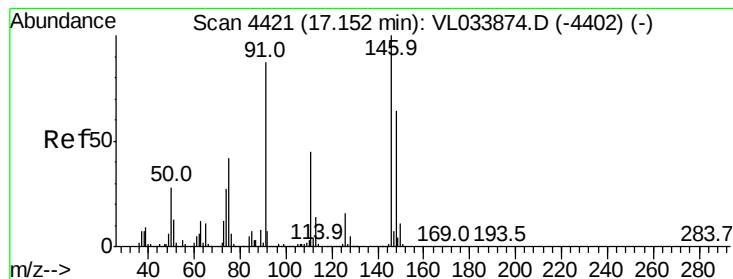
105 100

120 46.5 36.7 55.1

91 46.1 35.8 53.8

77 22.0 16.9 25.3





#75

1,3-Dichlorobenzene

Concen: 8.209 ppbv

RT: 17.14 min Scan# 4417

Delta R.T. -0.01 min

Lab File: VL033930.D

Acq: 24 Jun 2019 9:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

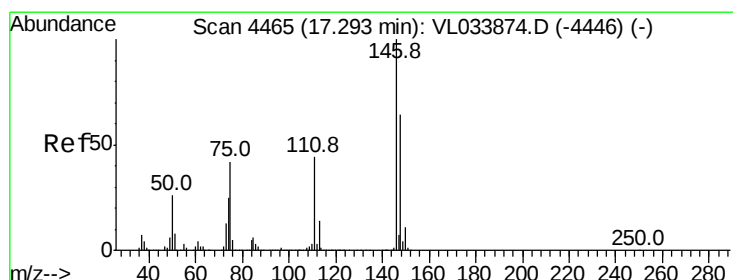
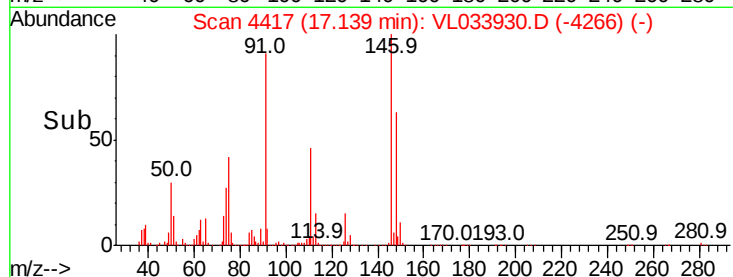
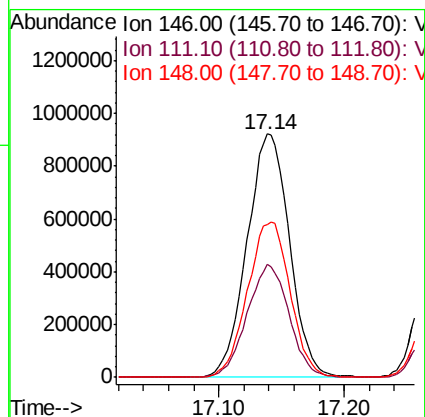
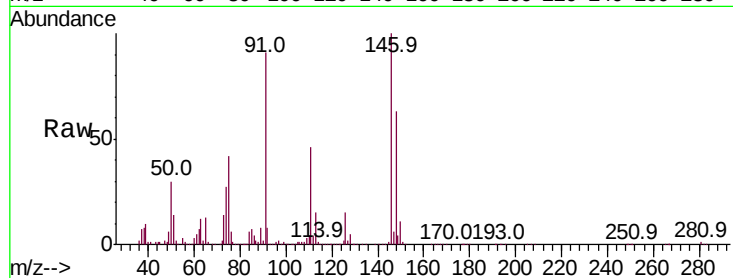
Tot Ion:146 Resp: 2169029

Ion Ratio Lower Upper

146 100

111 45.8 22.8 68.3

148 64.3 32.2 96.6



#76

1,4-Dichlorobenzene

Concen: 8.733 ppbv

RT: 17.28 min Scan# 4461

Delta R.T. -0.01 min

Lab File: VL033930.D

Acq: 24 Jun 2019 9:18

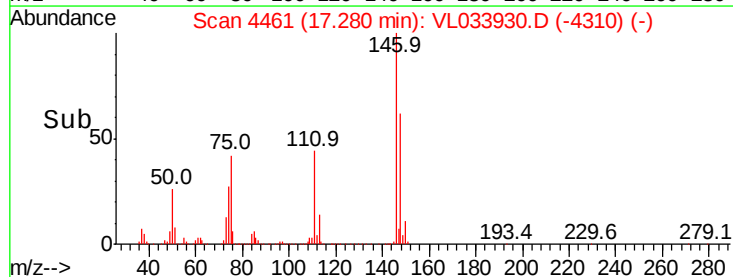
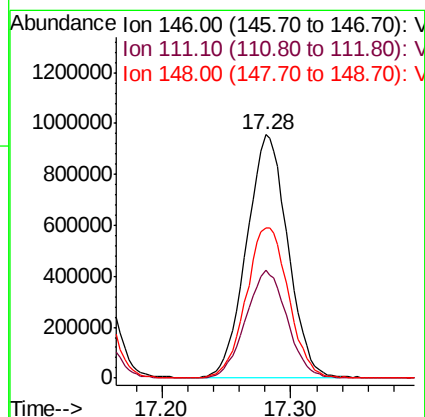
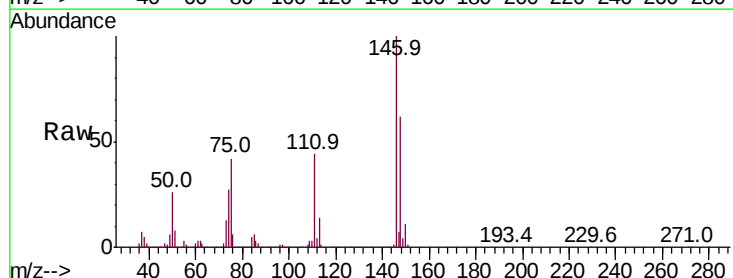
Tgt Ion:146 Resp: 2118635

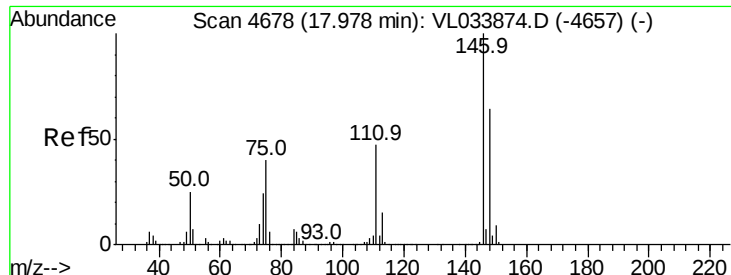
Ion Ratio Lower Upper

146 100

111 44.7 22.1 66.5

148 64.3 32.4 97.0

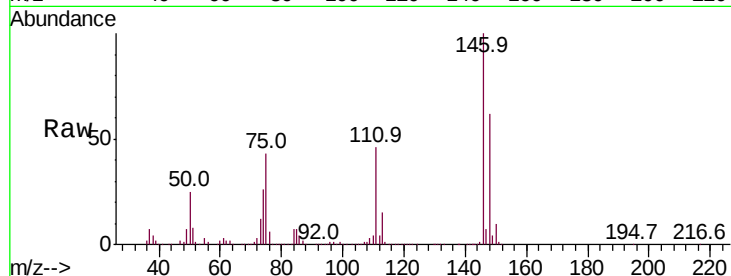




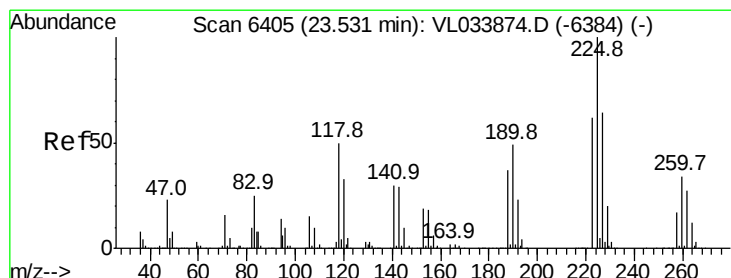
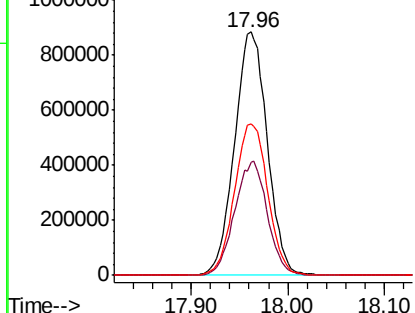
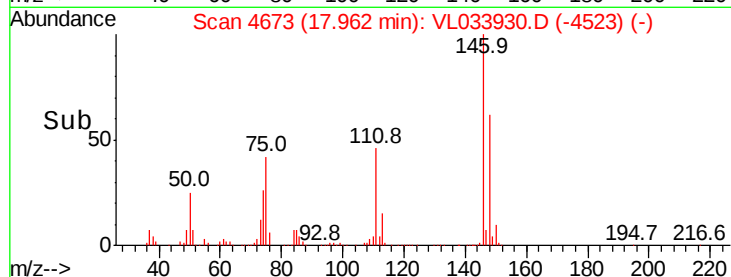
#77
 1,2-Dichlorobenzene
 Concen: 8.525 ppbv
 RT: 17.96 min Scan# 4673
 Delta R.T. -0.02 min
 Lab File: VL033930.D
 Acq: 24 Jun 2019 9:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:146 Resp: 2078457
 Ion Ratio Lower Upper
 146 100
 111 46.9 23.4 70.0
 148 63.4 31.8 95.4

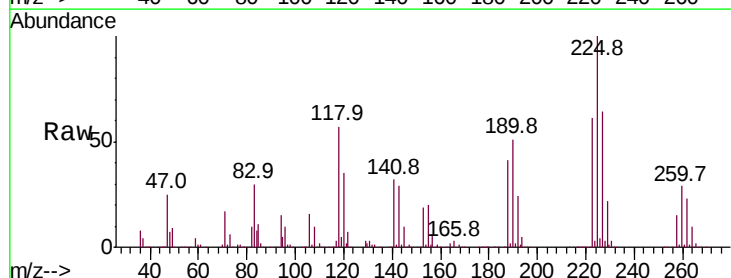


Abundance Ion 146.00 (145.70 to 146.70): V
 1200000
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

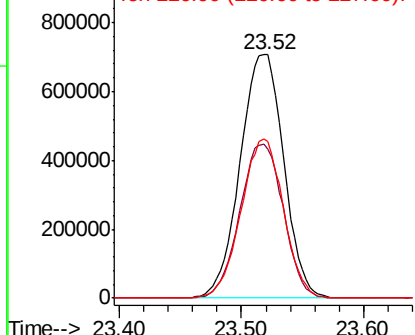
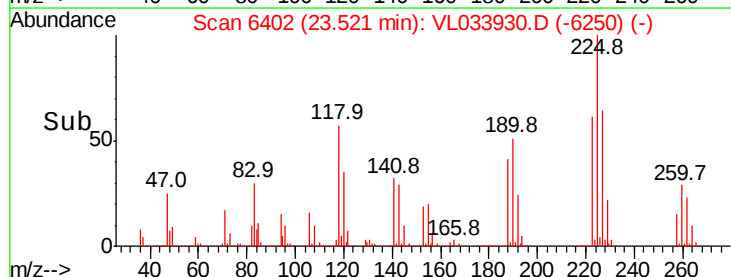


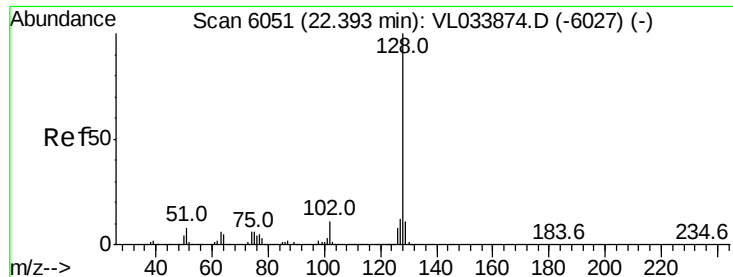
#78
 Hexachloro-1,3-Butadiene
 Concen: 9.182 ppbv
 RT: 23.52 min Scan# 6402
 Delta R.T. -0.01 min
 Lab File: VL033930.D
 Acq: 24 Jun 2019 9:18

Tgt Ion:225 Resp: 1748554
 Ion Ratio Lower Upper
 225 100
 223 63.3 50.8 76.2
 227 63.4 51.8 77.6



Abundance Ion 224.90 (224.60 to 225.60): V
 800000
 Ion 222.90 (222.60 to 223.60): V
 Ion 226.90 (226.60 to 227.60): V

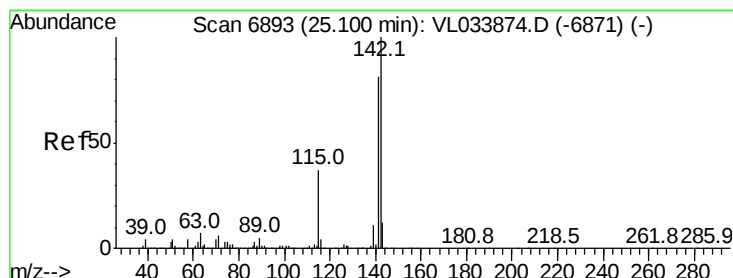
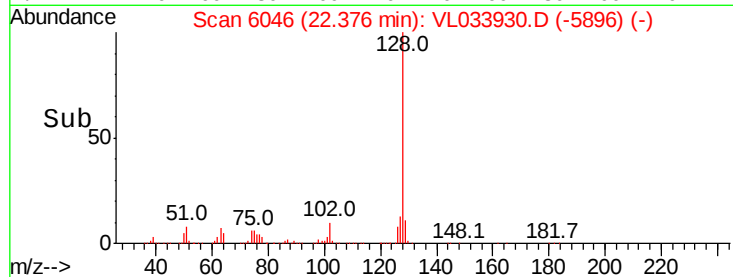
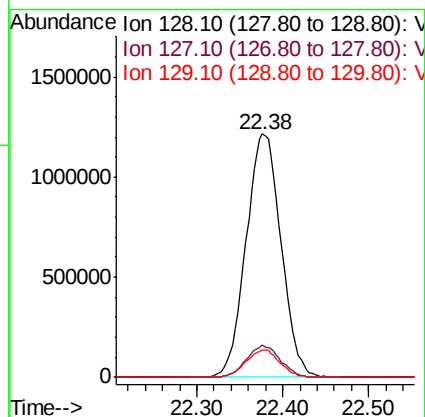
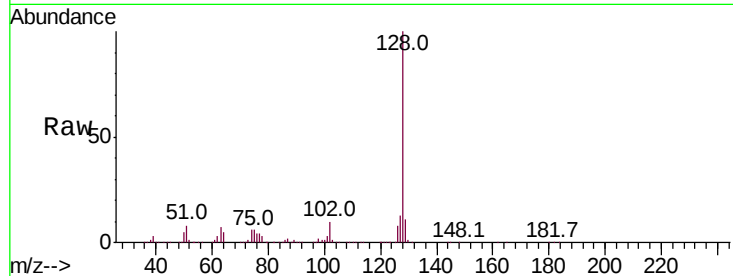




#79
Naphthalene
Concen: 10.180 ppbv
RT: 22.38 min Scan# 6046
Delta R.T. -0.02 min
Lab File: VL033930.D
Acq: 24 Jun 2019 9:18

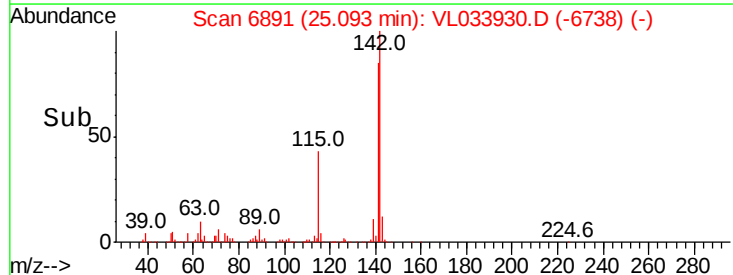
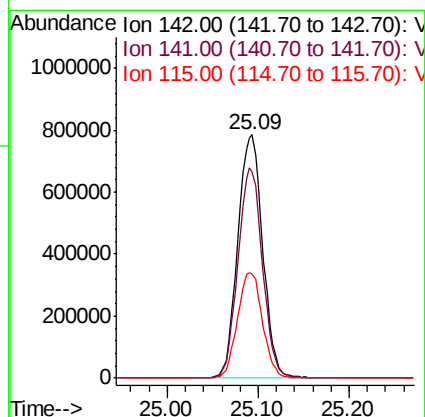
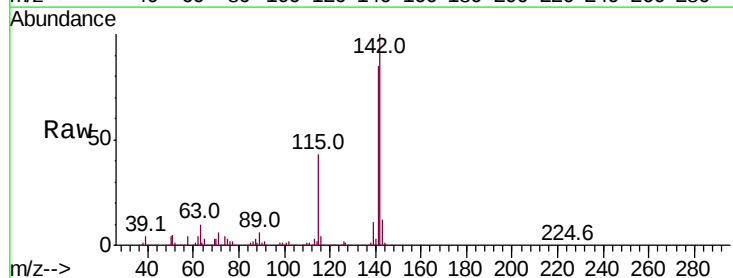
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

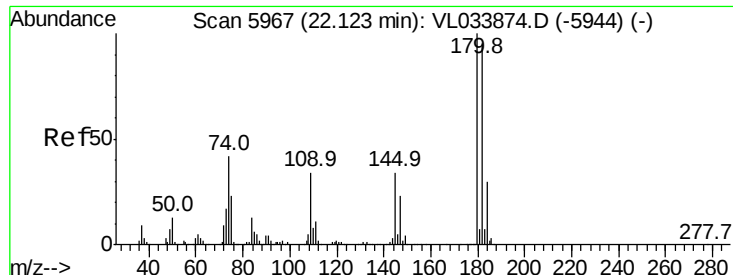
Tot Ion:128 Resp: 3432990
Ion Ratio Lower Upper
128 100
127 13.1 9.7 14.5
129 11.1 8.6 12.8



#80
Naphthalene, 2-methyl-
Concen: 11.086 ppbv
RT: 25.09 min Scan# 6891
Delta R.T. -0.01 min
Lab File: VL033930.D
Acq: 24 Jun 2019 9:18

Tgt Ion:142 Resp: 1491682
Ion Ratio Lower Upper
142 100
141 85.3 65.7 98.5
115 43.9 28.9 43.3#





#81
 1,2,4-Trichlorobenzene
 Concen: 9.462 ppbv
 RT: 22.10 min Scan# 5960
 Delta R.T. -0.02 min
 Lab File: VL033930.D
 Acq: 24 Jun 2019 9:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:180 Resp: 2014412
 Ion Ratio Lower Upper
 180 100
 182 95.6 76.9 115.3
 184 30.8 24.5 36.7

