

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL031620\
 Data File : VL034888.D
 Acq On : 16 Mar 2020 13:23
 Operator : SY/AP
 Sample : VL0316ABSD01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0316ABSD01

Quant Time: Mar 17 04:25:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 09 16:42:53 2020
 QLast Update : Mon Mar 09 16:42:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	978843	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2159130	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	2244342	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	1772589	10.13	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.01	85	1557248	11.618	ppbv	99
3) Chlorodifluoromethane	2.94	51	1128078	10.317	ppbv	100
4) Chloromethane	3.10	50	644491	10.429	ppbv	96
5) Vinyl Chloride	3.21	62	617571	10.394	ppbv	95
6) Bromomethane	3.44	94	364089	10.527	ppbv	100
7) Chloroethane	3.52	64	231071	10.770	ppbv	95
8) Dichlorotetrafluoroethane	3.15	85	1368137	9.828	ppbv	98
9) Propene	2.96	41	531150	10.174	ppbv	100
10) Heptane	8.12	43	1381361	10.751	ppbv	100
11) Trichlorofluoromethane	3.92	101	1409740	9.886	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1005344	10.073	ppbv	97
13) Ethanol	3.57	45	131048	8.257	ppbv	93
14) Bromoethene	3.70	108	442823	10.273	ppbv	98
15) Acetone	3.82	43	1128630	8.896	ppbv	99
16) 1,3-Butadiene	3.29	39	586176	10.217	ppbv	98
17) tert-Butyl alcohol	4.26	59	957527	7.834	ppbv	99
18) 1,1-Dichloroethene	4.26	96	464736	10.515	ppbv	98
19) Isopropyl Alcohol	3.94	45	678081	8.464	ppbv	# 41
20) Methylene Chloride	4.31	84	399599	9.962	ppbv	96
21) Allyl Chloride	4.38	41	815879	10.013	ppbv	100
22) trans-1,2-Dichloroethene	4.86	96	462767	10.320	ppbv	99
23) Vinyl Acetate	5.05	43	1945212	10.380	ppbv	99
24) 1,1-Dichloroethane	4.99	63	1285119	10.229	ppbv	99
25) Ethyl Acetate	5.66	43	2271166	10.048	ppbv	100
26) Hexane	5.67	57	1013287	10.411	ppbv	98
27) Carbon Disulfide	4.52	76	1172032	10.612	ppbv	98
28) Methyl tert-Butyl Ether	5.01	73	1588624	9.810	ppbv	99
29) Chloroform	5.74	83	1523790	10.261	ppbv	100
30) Cyclohexane	7.12	84	844664	10.401	ppbv	98
31) cis-1,2-Dichloroethene	5.53	61	1030341	10.352	ppbv	98
32) 1,1,1-Trichloroethane	6.50	97	1482842	10.248	ppbv	99
34) 2-Butanone	5.22	43	1543311	10.756	ppbv	99
35) Carbon Tetrachloride	7.01	117	1501509	11.181	ppbv	98
36) Benzene	6.89	78	2057749	10.692	ppbv	99
37) 1,2-Dichloroethane	6.30	62	1181135	10.884	ppbv	98
38) Trichloroethene	7.84	130	759606	10.392	ppbv	94
39) 1,2-Dichloropropane	7.61	63	805622	10.565	ppbv	96
40) 1,4-Dioxane	7.83	88	271594	9.431	ppbv	# 91
41) Tetrahydrofuran	6.03	42	869930	11.205	ppbv	99
42) Bromodichloromethane	7.80	83	1624879	10.986	ppbv	98
43) Methyl Methacrylate	8.01	69	911684	11.244	ppbv	98

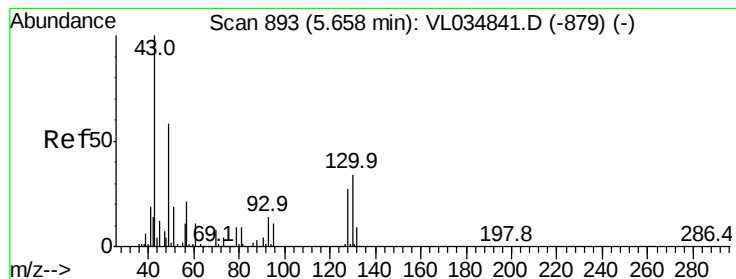
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL031620\
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 QLast Update : Mon Mar 09 16:42:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	3480155	10.701	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1053343	11.058	ppbv	99
46) cis-1,3-Dichloropropene	8.71	75	1234091	10.902	ppbv	96
47) 1,1,2-Trichloroethane	9.48	97	830694	10.616	ppbv	98
48) Dibromochloromethane	10.32	129	1365108	10.772	ppbv	99
49) Bromoform	13.07	173	1223164	10.825	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	2276461	11.021	ppbv	99
51) 2-Hexanone	10.14	43	1872820	11.157	ppbv #	100
52) Tetrachloroethene	11.24	164	721461	9.476	ppbv	95
53) Toluene	9.82	91	2360287	10.620	ppbv	100
54) 1,2-Dibromoethane	10.63	107	1254180	10.647	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.14	131	1021604	10.133	ppbv	98
57) Chlorobenzene	12.17	112	1753545	9.986	ppbv	98
58) Ethyl Benzene	12.73	91	3154917	10.380	ppbv	96
59) m/p-Xylene	13.02	91	2610408	10.252	ppbv #	33
60) o-Xylene	13.71	91	2565453	10.319	ppbv	99
61) Styrene	13.55	104	1888438	10.823	ppbv	98
62) Isopropylbenzene	14.69	105	3791600	10.086	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.70	83	1821698	10.793	ppbv	100
64) n-propylbenzene	15.59	120	1008368	10.306	ppbv	93
65) tert-Butylbenzene	16.77	119	3312269	10.079	ppbv	97
66) Benzyl Chloride	17.02	91	1351168	9.860	ppbv	97
67) sec-Butylbenzene	17.33	105	4759475	10.445	ppbv	98
69) p-Isopropyltoluene	17.68	119	3961547	10.368	ppbv	98
70) n-Butylbenzene	18.58	91	4212101	10.804	ppbv	99
71) 2-Chlorotoluene	15.48	91	3007530	10.564	ppbv	97
72) 4-Ethyltoluene	15.87	105	3093193	10.535	ppbv	99
73) 1,3,5-Trimethylbenzene	16.02	105	2907766	10.579	ppbv	95
74) 1,2,4-Trimethylbenzene	16.79	105	2988208	10.553	ppbv	95
75) 1,3-Dichlorobenzene	17.03	146	1728083	10.121	ppbv	99
76) 1,4-Dichlorobenzene	17.17	146	1714946	10.065	ppbv	98
77) 1,2-Dichlorobenzene	17.85	146	1683519	10.172	ppbv	99
78) Hexachloro-1,3-Butadiene	23.41	225	1439213	10.411	ppbv	99
79) Naphthalene	22.25	128	2856758	12.936	ppbv	99
80) Naphthalene, 2-methyl-	25.00	142	1203318	20.851	ppbv	99
81) 1,2,4-Trichlorobenzene	21.97	180	1630833	11.624	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. -0.01 min

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ClientSampleId :

VL0316ABSD01

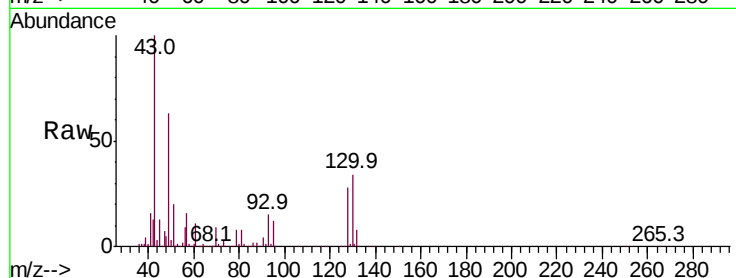
Tot Ion: 49 Resp: 978843

Ion Ratio Lower Upper

49 100

128 45.5 23.4 70.3

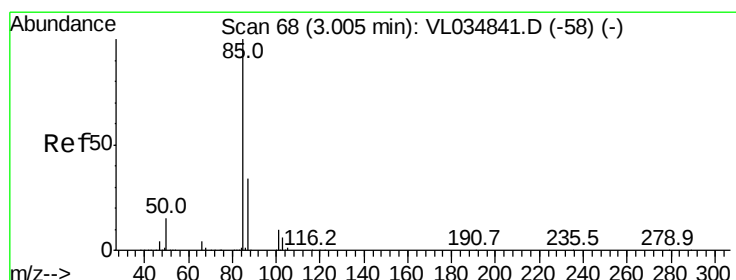
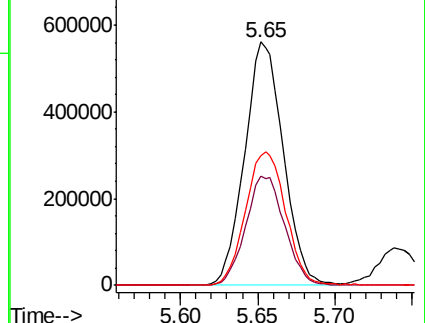
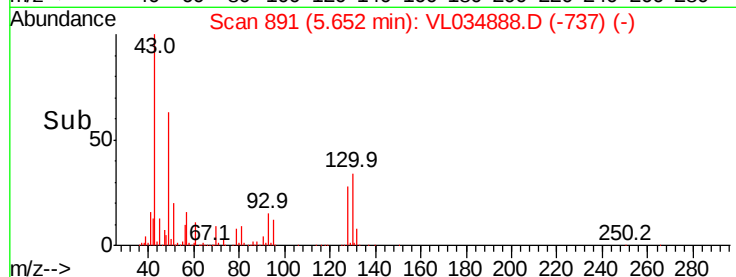
130 57.2 30.0 90.0



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 11.618 ppbv

RT: 3.01 min Scan# 68

Delta R.T. 0.00 min

Lab File: VL034888.D

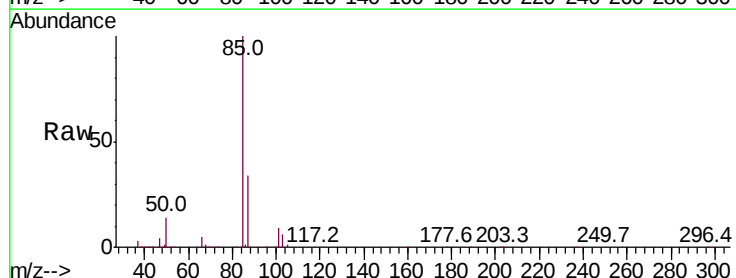
Acq: 16 Mar 2020 13:23

Tgt Ion: 85 Resp: 1557248

Ion Ratio Lower Upper

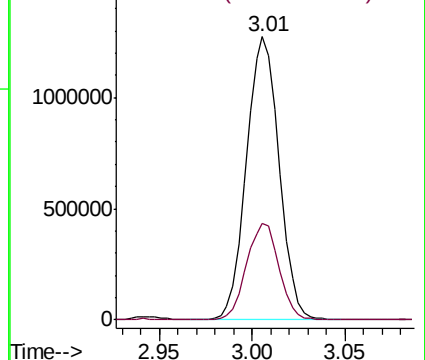
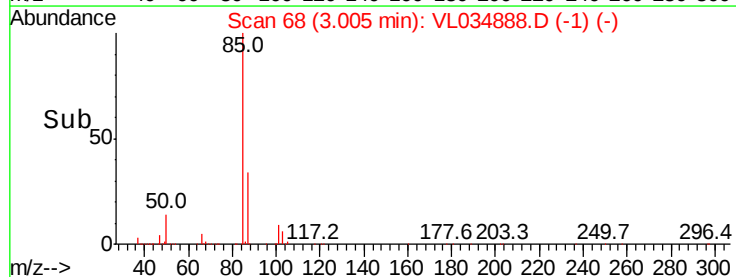
85 100

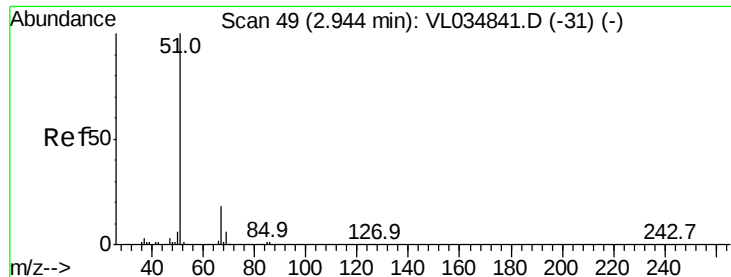
87 34.2 26.9 40.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

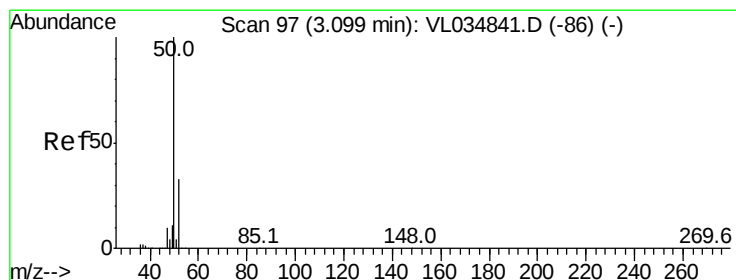
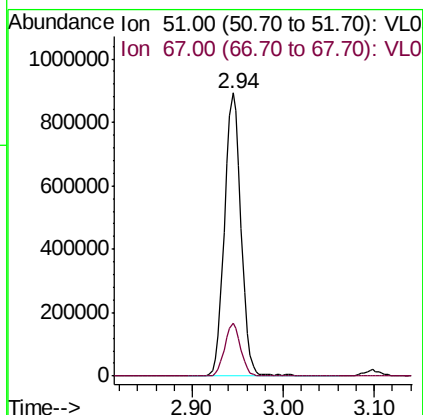
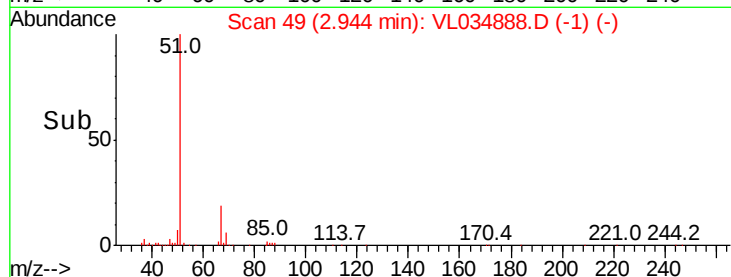
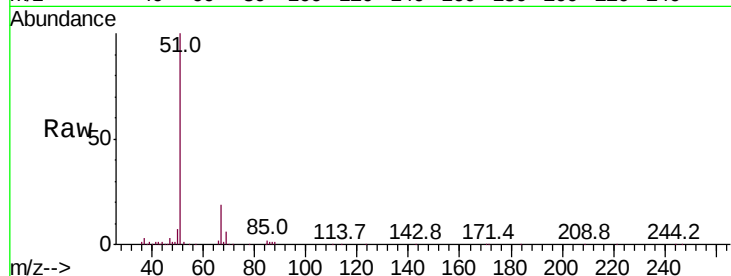




#3
Chlorodifluoromethane
Concen: 10.317 ppbv
RT: 2.94 min Scan# 49
Delta R.T. 0.00 min
Lab File: VL034888.D
Acq: 16 Mar 2020 13:23

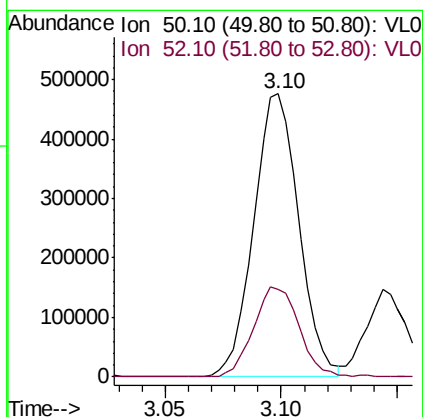
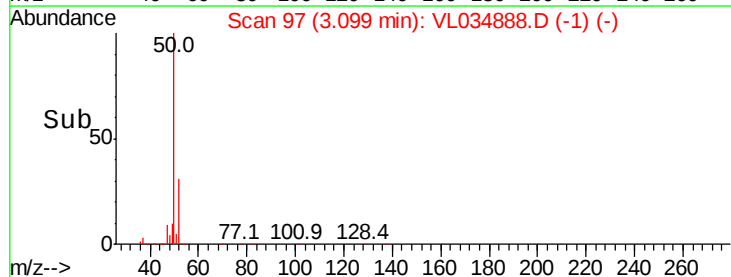
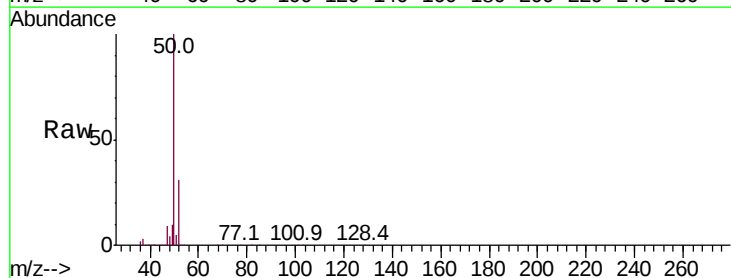
Instrument :
MSVOA_L
ClientSampleId :
VL0316ABSD01

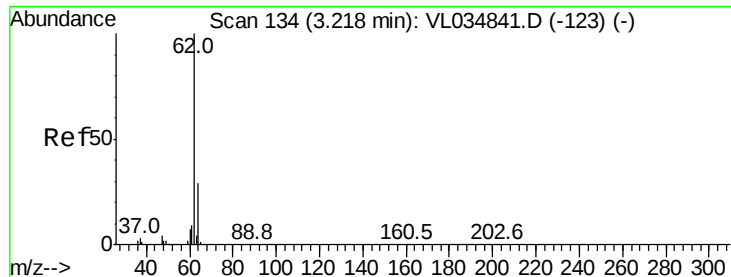
Tot Ion: 51 Resp: 1128078
Ion Ratio Lower Upper
51 100
67 18.0 14.3 21.5



#4
Chloromethane
Concen: 10.429 ppbv
RT: 3.10 min Scan# 97
Delta R.T. 0.00 min
Lab File: VL034888.D
Acq: 16 Mar 2020 13:23

Tgt Ion: 50 Resp: 644491
Ion Ratio Lower Upper
50 100
52 31.0 26.8 40.2





#5

Vinyl Chloride

Concen: 10.394 ppbv

RT: 3.21 min Scan# 133

Delta R.T. -0.00 min

Lab File: VL034888.D

Acq: 16 Mar 2020 13:23

Instrument :

MSVOA_L

ClientSampleId :

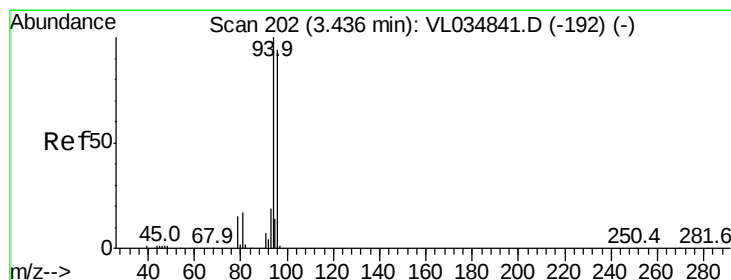
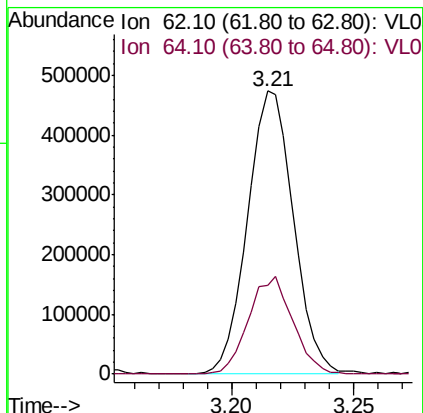
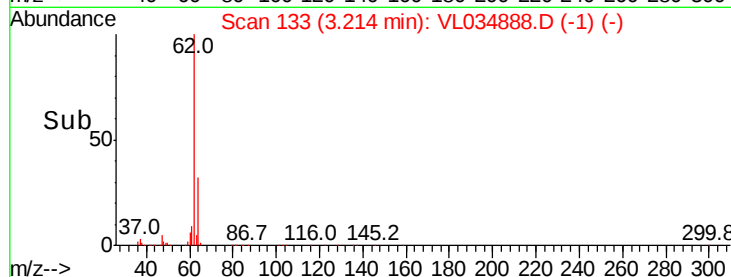
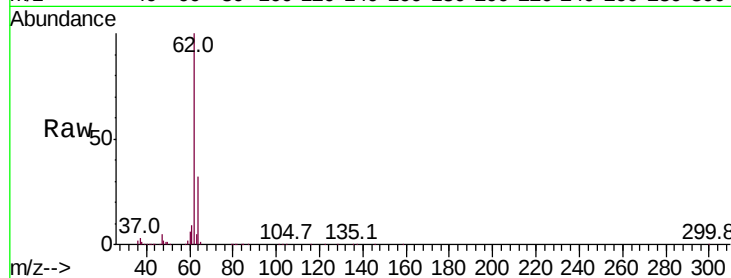
VL0316ABSD01

Tot Ion: 62 Resp: 617571

Ion Ratio Lower Upper

62 100

64 31.6 23.0 34.4



#6

Bromomethane

Concen: 10.527 ppbv

RT: 3.44 min Scan# 202

Delta R.T. 0.00 min

Lab File: VL034888.D

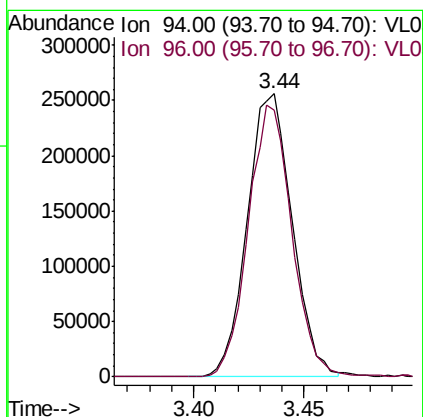
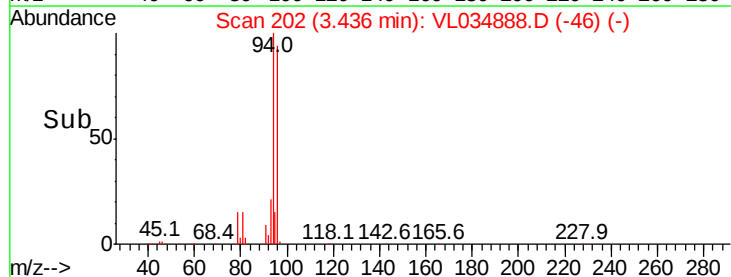
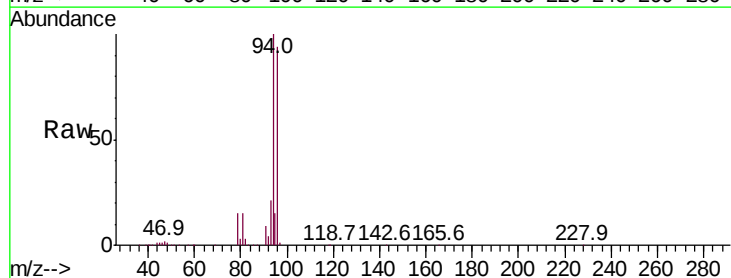
Acq: 16 Mar 2020 13:23

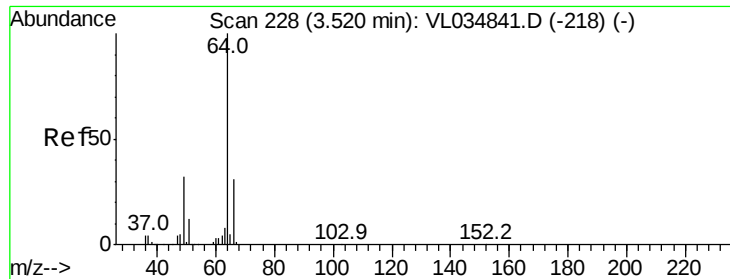
Tgt Ion: 94 Resp: 364089

Ion Ratio Lower Upper

94 100

96 94.3 75.5 113.3





#7

Chloroethane

Concen: 10.770 ppbv

RT: 3.52 min Scan# 228

Delta R.T. 0.00 min

Lab File: VL034888.D

Acq: 16 Mar 2020 13:23

Instrument :

MSVOA_L

ClientSampleId :

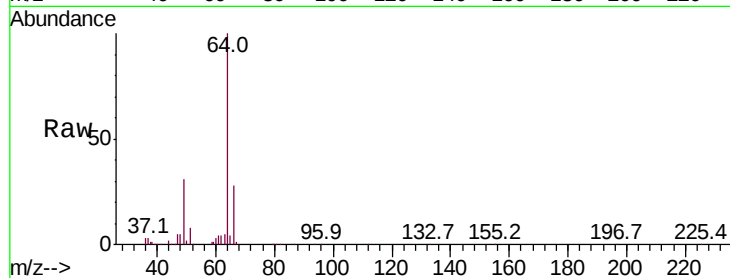
VL0316ABSD01

Tot Ion: 64 Resp: 231071

Ion Ratio Lower Upper

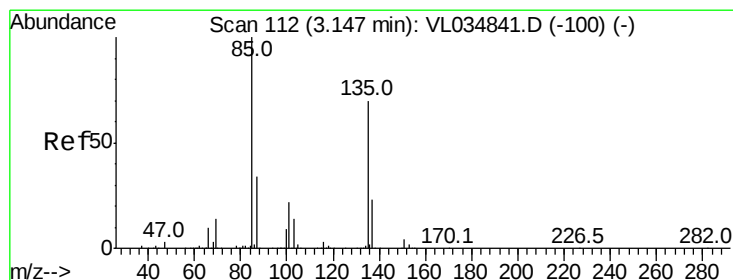
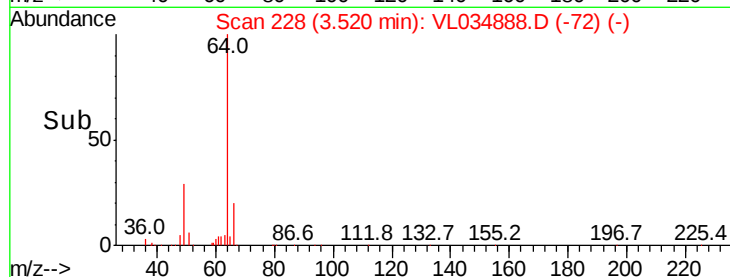
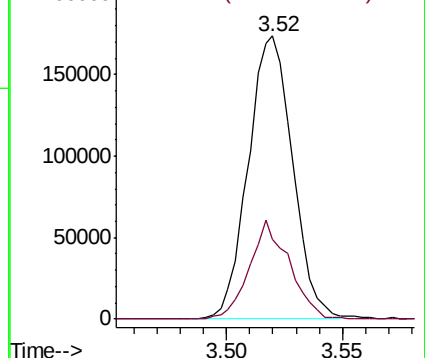
64 100

66 28.2 24.8 37.2



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 9.828 ppbv

RT: 3.15 min Scan# 112

Delta R.T. 0.00 min

Lab File: VL034888.D

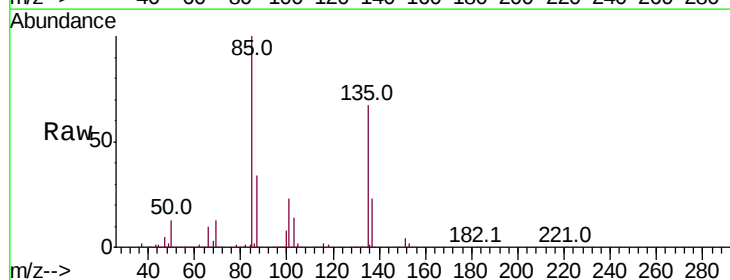
Acq: 16 Mar 2020 13:23

Tgt Ion: 85 Resp: 1368137

Ion Ratio Lower Upper

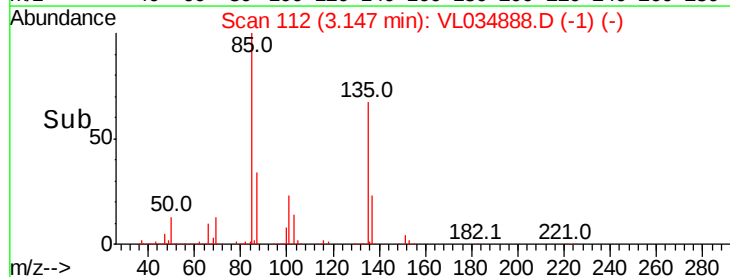
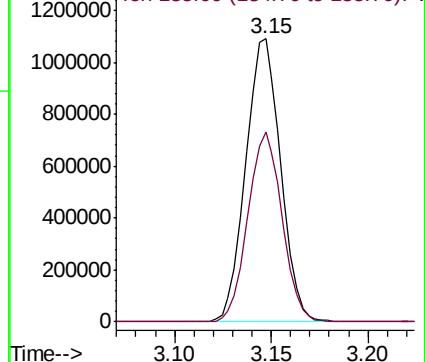
85 100

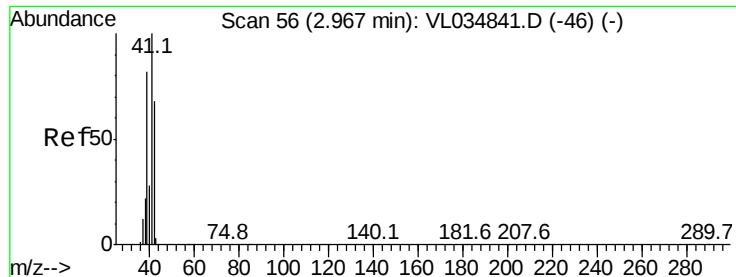
135 66.1 54.3 81.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 10.174 ppbv

RT: 2.96 min Scan# 55

Delta R.T. -0.00 min

Lab File: VL034888.D

Acq: 16 Mar 2020 13:23

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ClientSampleId :

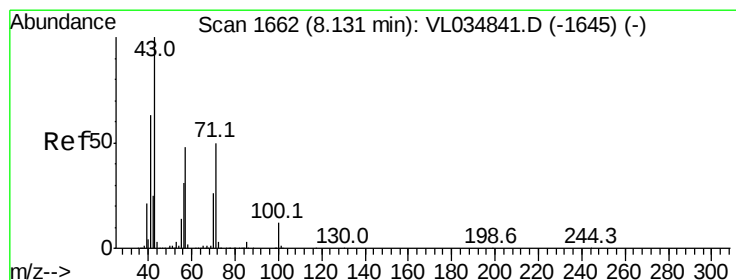
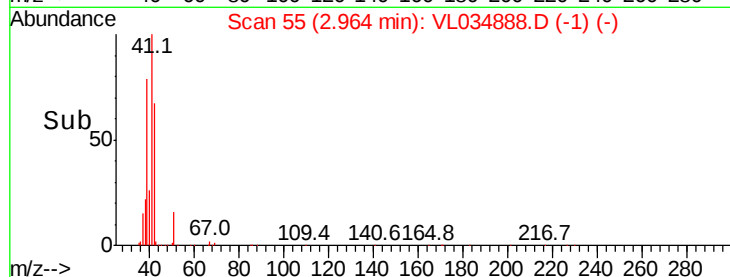
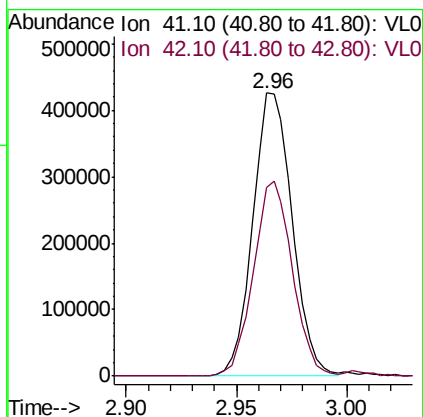
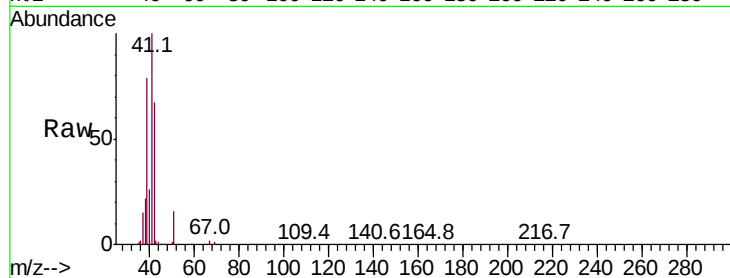
VL0316ABSD01

Tot Ion: 41 Resp: 531150

Ion Ratio Lower Upper

41 100

42 69.3 55.2 82.8



#10

Heptane

Concen: 10.751 ppbv

RT: 8.12 min Scan# 1660

Delta R.T. -0.01 min

Lab File: VL034888.D

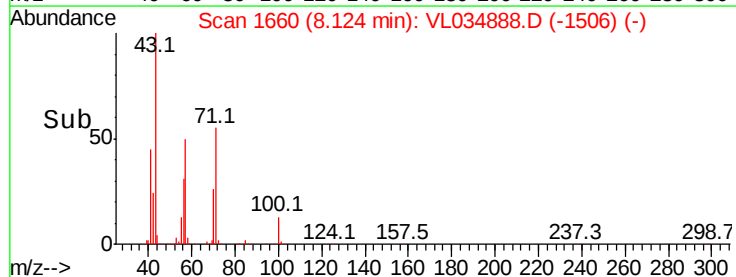
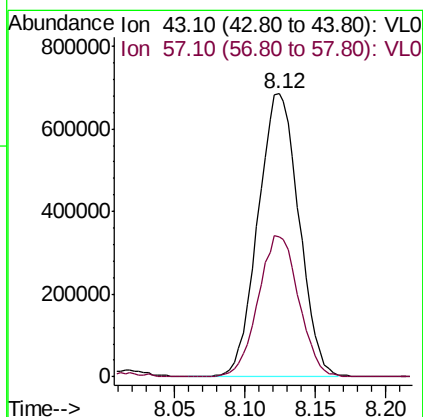
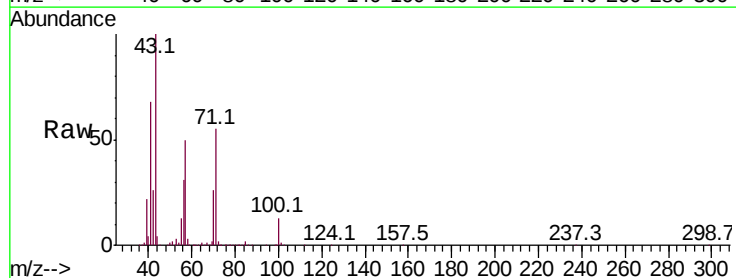
Acq: 16 Mar 2020 13:23

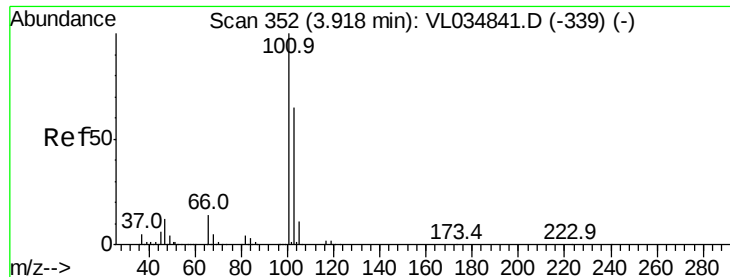
Tgt Ion: 43 Resp: 1381361

Ion Ratio Lower Upper

43 100

57 49.6 39.7 59.5

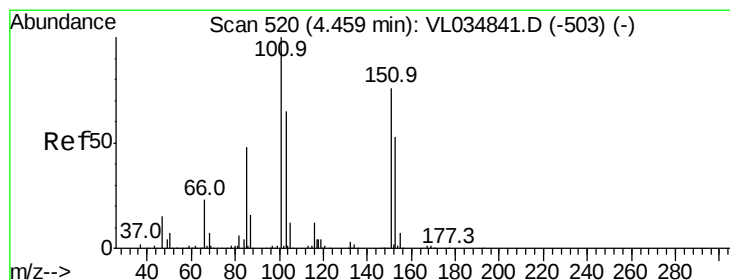
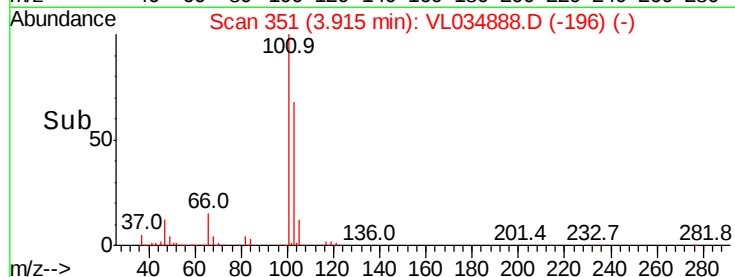
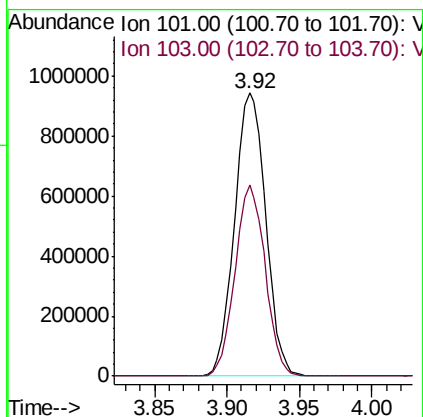
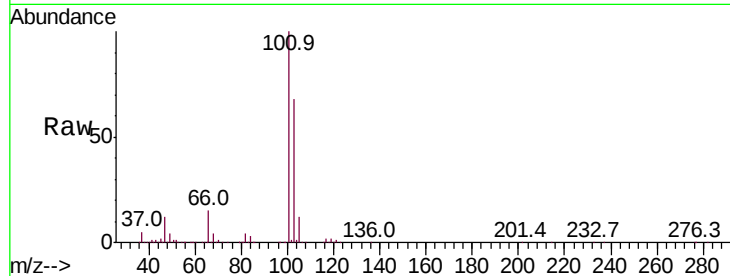




#11
 Trichlorofluoromethane
 Concen: 9.886 ppbv
 RT: 3.92 min Scan# 351
 Delta R.T. -0.00 min
 Lab File: VL034888.D
 Acq: 16 Mar 2020 13:23

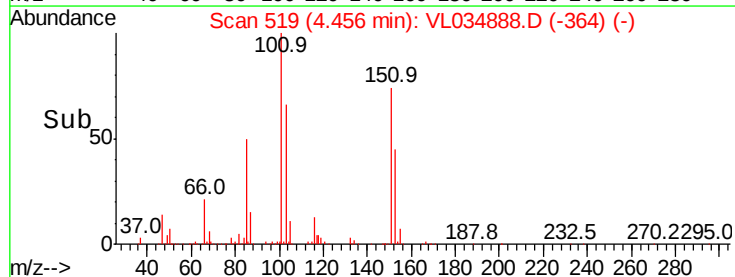
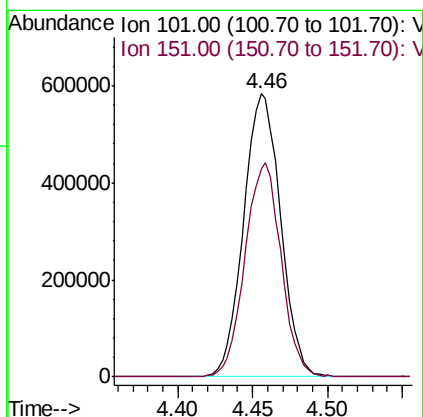
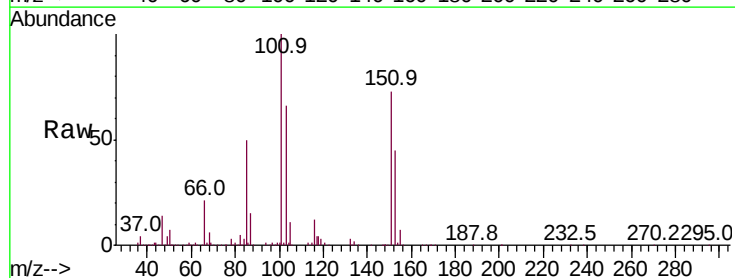
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0316ABSD01

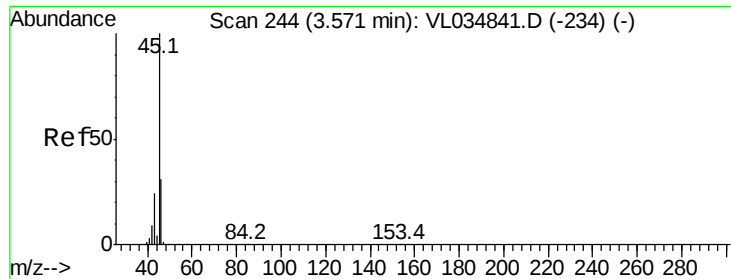
Tot Ion:101 Resp: 1409740
 Ion Ratio Lower Upper
 101 100
 103 67.7 51.8 77.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.073 ppbv
 RT: 4.46 min Scan# 519
 Delta R.T. -0.00 min
 Lab File: VL034888.D
 Acq: 16 Mar 2020 13:23

Tgt Ion:101 Resp: 1005344
 Ion Ratio Lower Upper
 101 100
 151 73.8 60.8 91.2





#13

Ethanol

Concen: 8.257 ppbv

RT: 3.57 min Scan# 244

Delta R.T. 0.00 min

Lab File: VL034888.D

Acq: 16 Mar 2020 13:23

Instrument :

MSVOA_L

ClientSampleId :

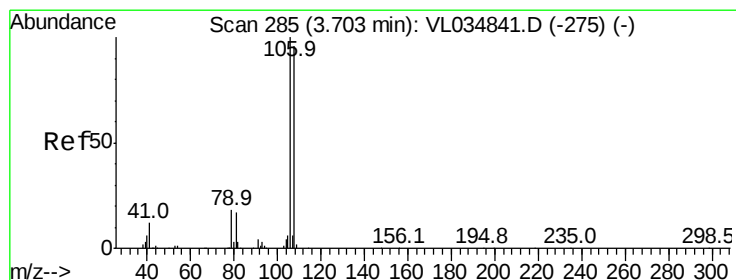
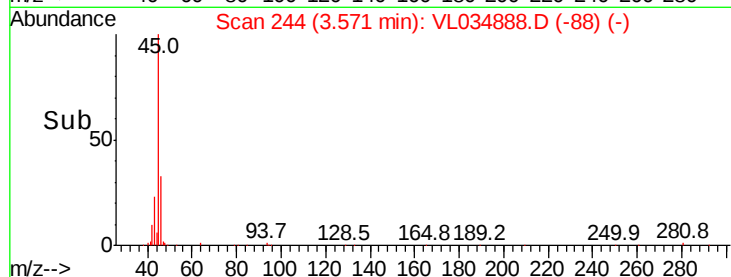
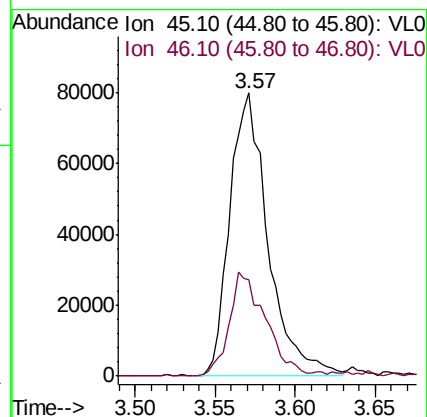
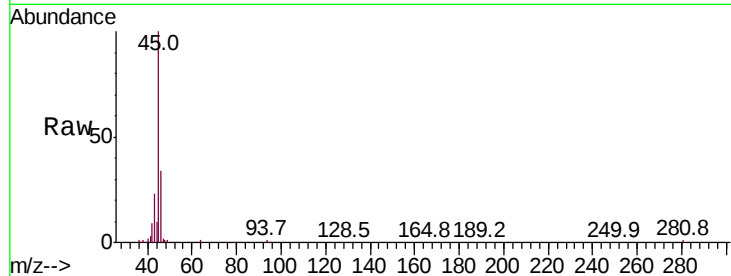
VL0316ABSD01

Tot Ion: 45 Resp: 131048

Ion Ratio Lower Upper

45 100

46 35.9 16.0 64.0



#14

Bromoethene

Concen: 10.273 ppbv

RT: 3.70 min Scan# 285

Delta R.T. 0.00 min

Lab File: VL034888.D

Acq: 16 Mar 2020 13:23

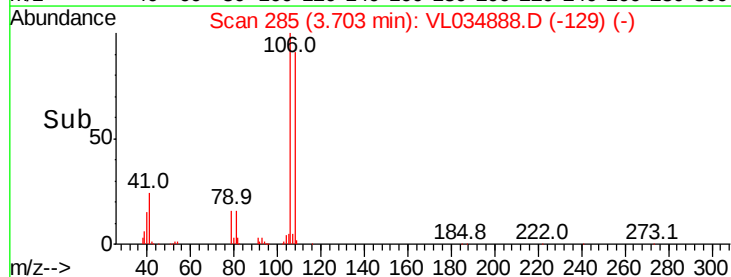
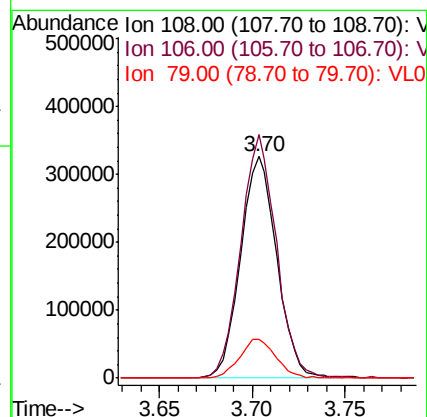
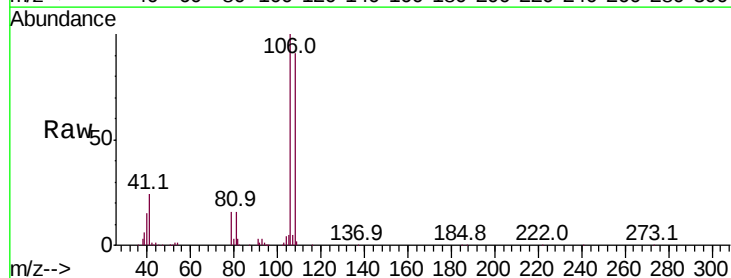
Tgt Ion: 108 Resp: 442823

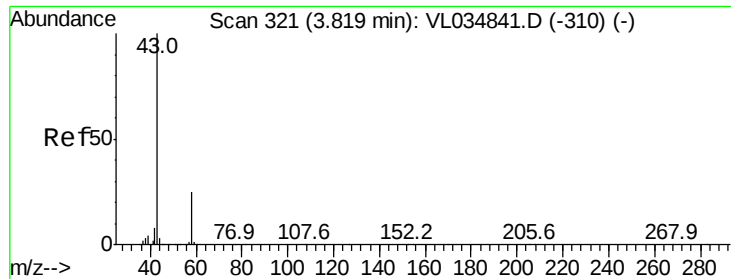
Ion Ratio Lower Upper

108 100

106 108.7 85.1 127.7

79 17.7 14.7 22.1





#15

Acetone

Concen: 8.896 ppbv

RT: 3.82 min Scan# 320

Delta R.T. -0.00 min

Lab File: VL034888.D

Acq: 16 Mar 2020 13:23

Instrument :

MSVOA_L

ClientSampleId :

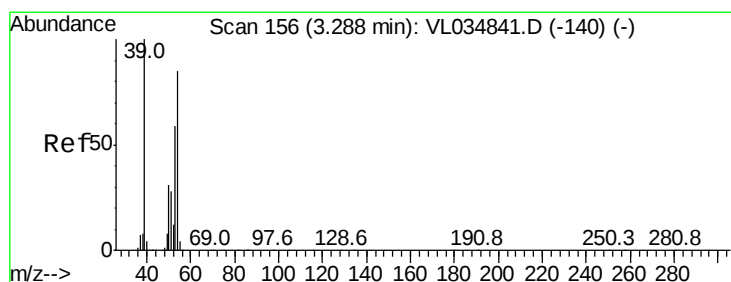
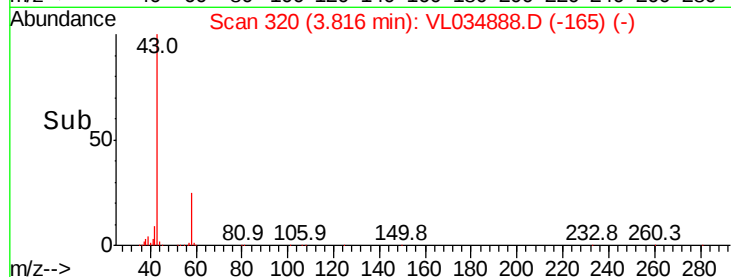
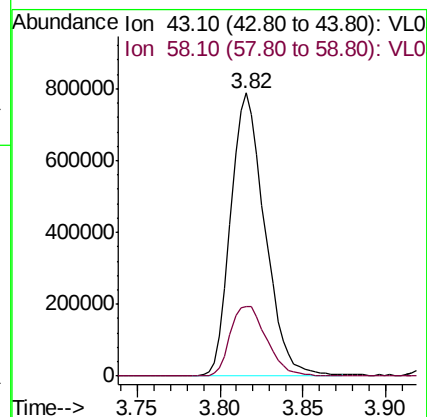
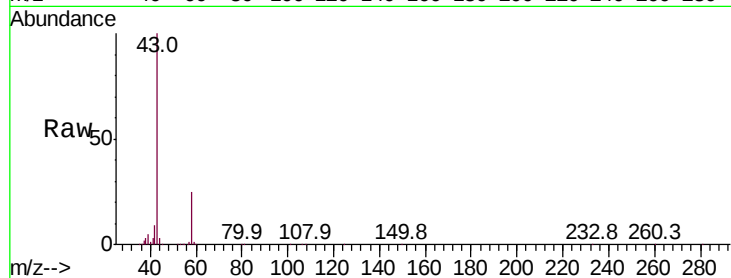
VL0316ABSD01

Tot Ion: 43 Resp: 1128630

Ion Ratio Lower Upper

43 100

58 26.6 21.0 31.6



#16

1,3-Butadiene

Concen: 10.217 ppbv

RT: 3.29 min Scan# 155

Delta R.T. -0.00 min

Lab File: VL034888.D

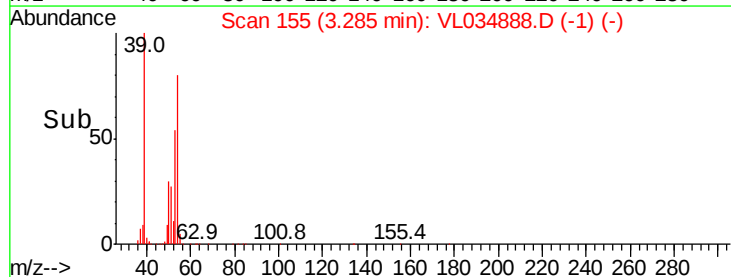
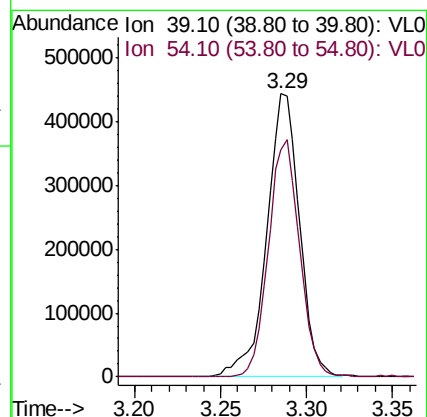
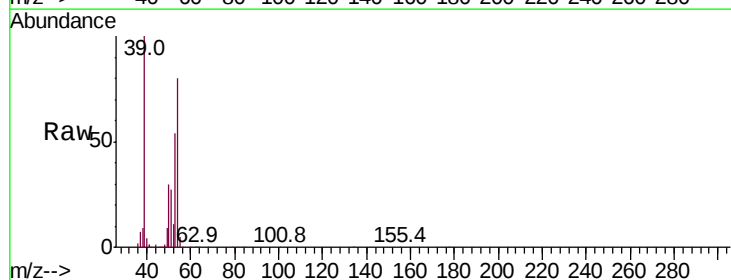
Acq: 16 Mar 2020 13:23

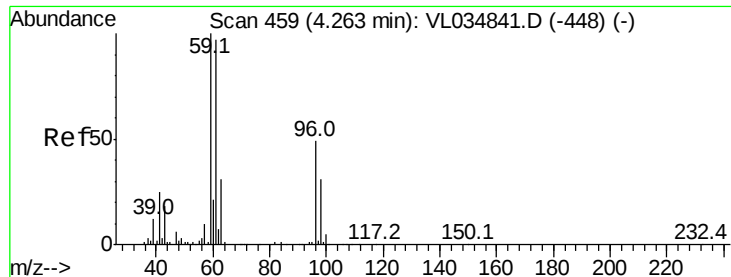
Tgt Ion: 39 Resp: 586176

Ion Ratio Lower Upper

39 100

54 79.8 65.0 97.6





#17

tert-Butyl alcohol

Concen: 7.834 ppbv

RT: 4.26 min Scan# 459

Delta R.T. 0.00 min

Lab File: VL034888.D

Acq: 16 Mar 2020 13:23

Instrument :

MSVOA_L

ClientSampleId :

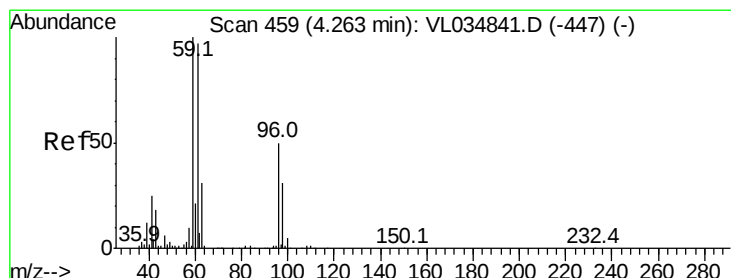
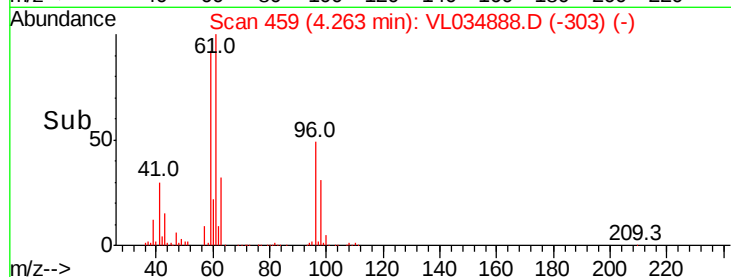
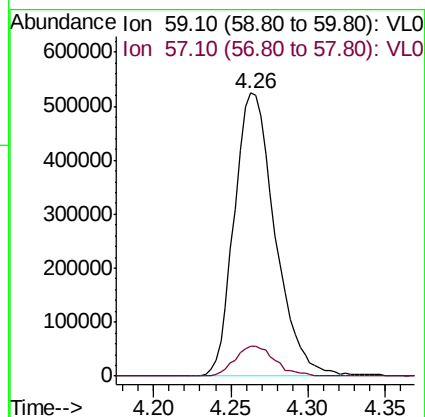
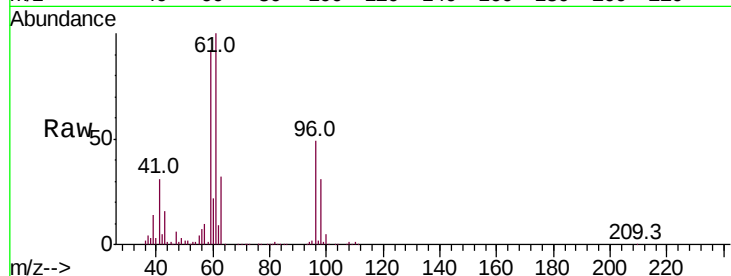
VL0316ABSD01

Tot Ion: 59 Resp: 957527

Ion Ratio Lower Upper

59 100

57 10.8 8.3 12.5



#18

1,1-Dichloroethene

Concen: 10.515 ppbv

RT: 4.26 min Scan# 458

Delta R.T. -0.00 min

Lab File: VL034888.D

Acq: 16 Mar 2020 13:23

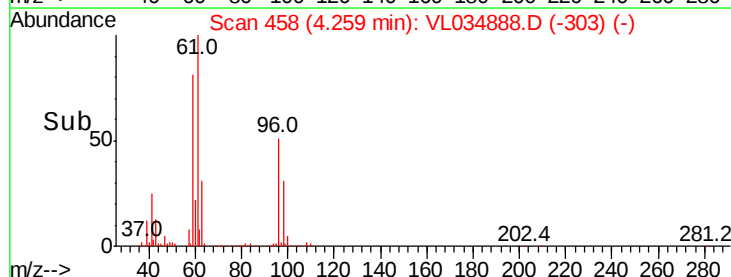
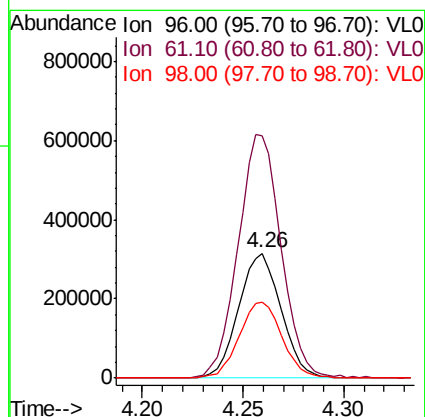
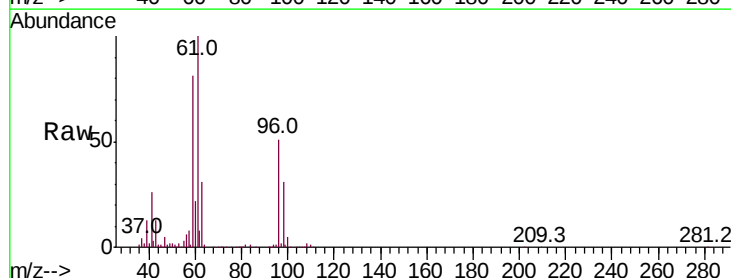
Tgt Ion: 96 Resp: 464736

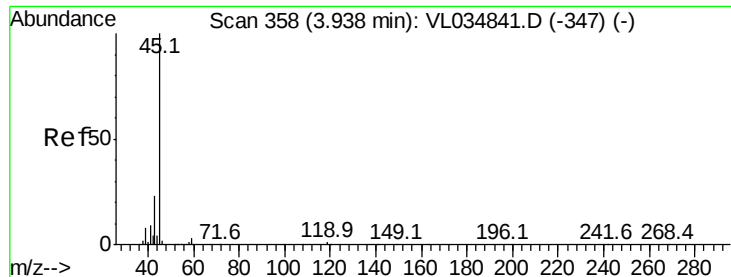
Ion Ratio Lower Upper

96 100

61 194.3 157.3 235.9

98 60.3 50.2 75.4





#19

Isopropyl Alcohol

Concen: 8.464 ppbv

RT: 3.94 min Scan# 358

Delta R.T. 0.00 min

Lab File: VL034888.D

Acq: 16 Mar 2020 13:23

Instrument :

MSVOA_L

ClientSampleId :

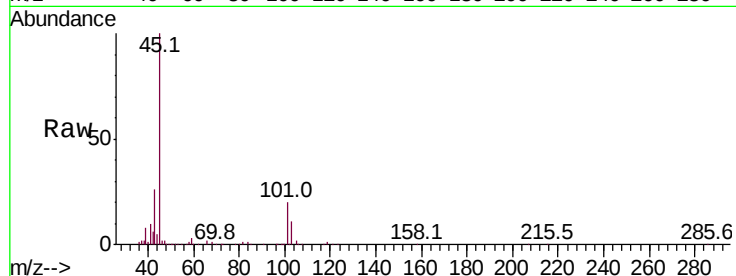
VL0316ABSD01

Tot Ion: 45 Resp: 678081

Ion Ratio Lower Upper

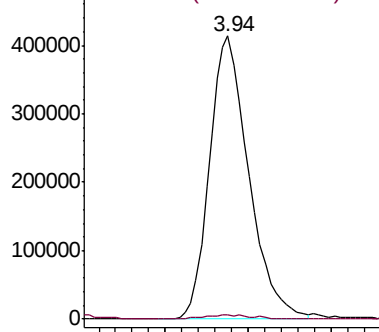
45 100

58 2.3 30.5 45.7#

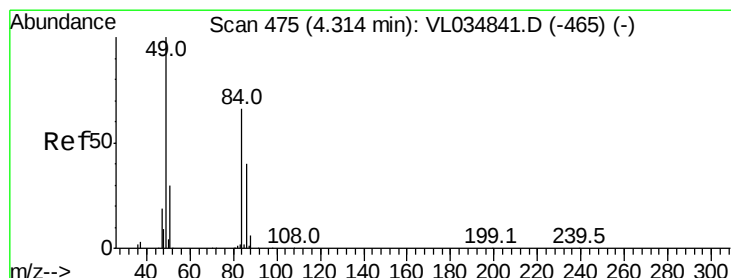
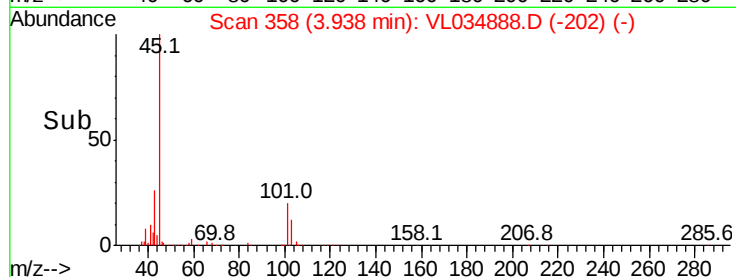


Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



Time-->



#20

Methylene Chloride

Concen: 9.962 ppbv

RT: 4.31 min Scan# 475

Delta R.T. 0.00 min

Lab File: VL034888.D

Acq: 16 Mar 2020 13:23

Tgt Ion: 84 Resp: 399599

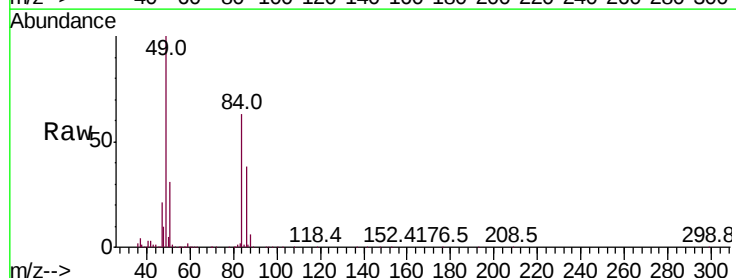
Ion Ratio Lower Upper

84 100

49 158.7 121.5 182.3

51 48.1 36.6 55.0

86 60.5 48.2 72.2

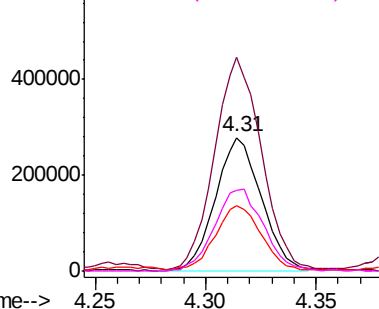


Abundance Ion 84.00 (83.70 to 84.70): VL0

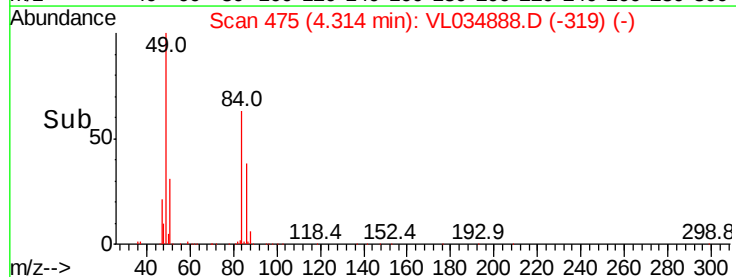
Ion 49.10 (48.80 to 49.80): VL0

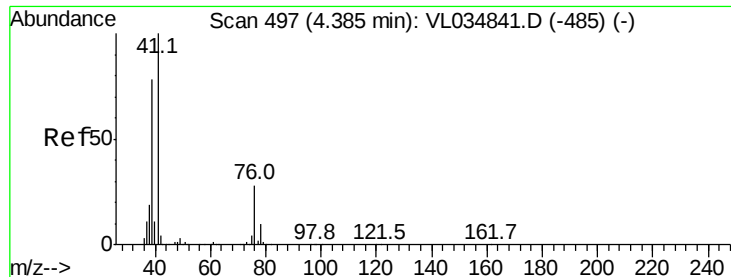
Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0



Time-->





#21

Allvl Chloride

Concen: 10.013 ppbv

RT: 4.38 min Scan# 497

Delta R.T. 0.00 min

Lab File: VL034888.D

Acq: 16 Mar 2020 13:23

Instrument :

MSVOA_L

ClientSampleId :

VL0316ABSD01

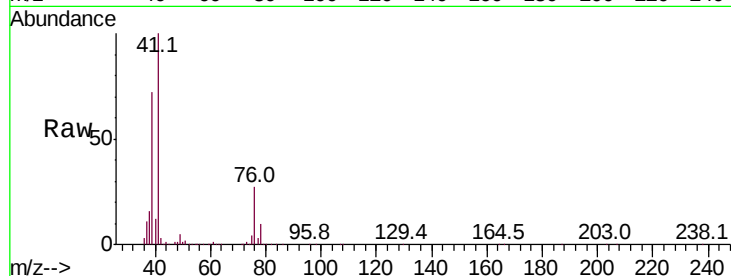
Tot Ion: 41 Resp: 815879

Ion Ratio Lower Upper

41 100

76 28.1 22.2 33.2

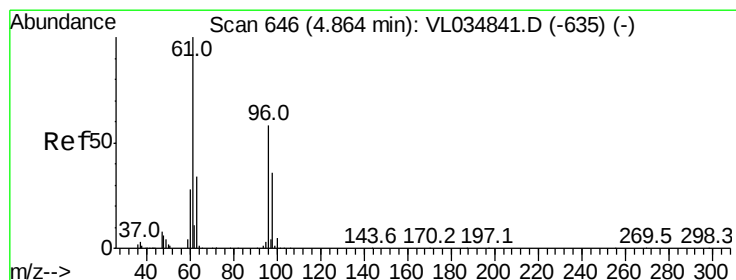
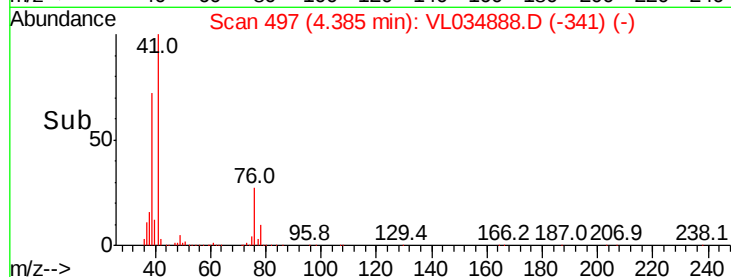
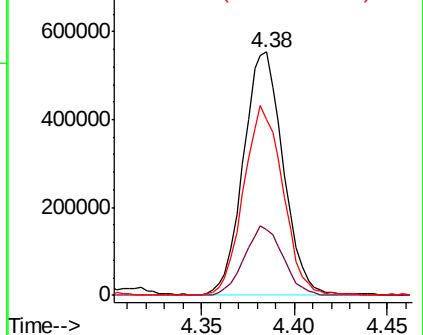
39 78.3 62.6 93.8



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: 10.320 ppbv

RT: 4.86 min Scan# 646

Delta R.T. 0.00 min

Lab File: VL034888.D

Acq: 16 Mar 2020 13:23

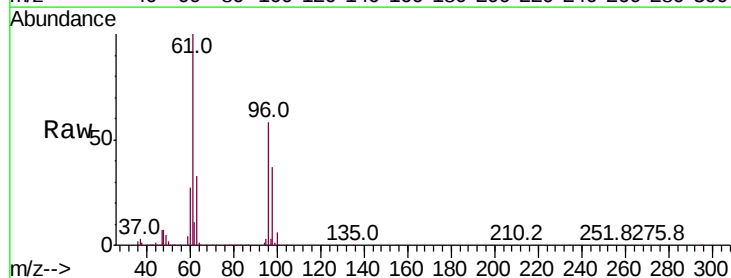
Tgt Ion: 96 Resp: 462767

Ion Ratio Lower Upper

96 100

61 171.5 139.0 208.6

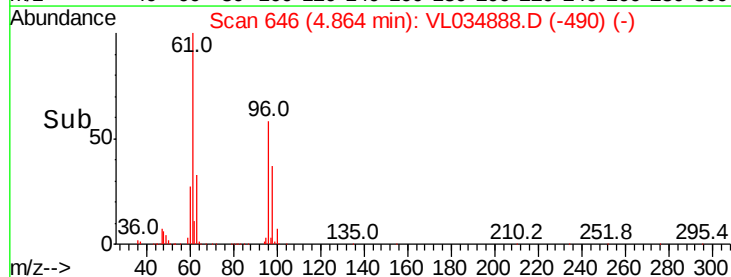
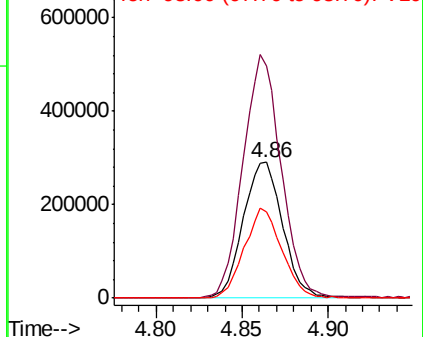
98 63.4 50.3 75.5

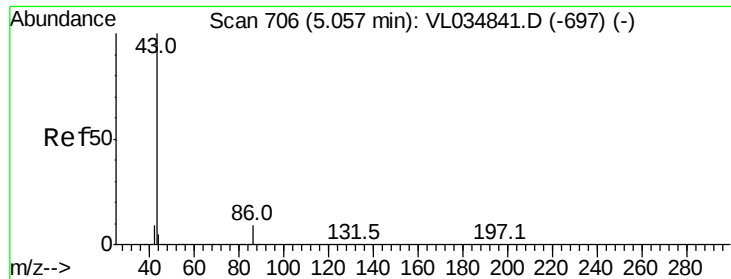


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 10.380 ppbv

RT: 5.05 min Scan# 705

Delta R.T. -0.00 min

Lab File: VL034888.D

Acq: 16 Mar 2020 13:23

Instrument :

MSVOA_L

ClientSampleId :

VL0316ABSD01

Tot Ion: 43 Resp: 1945212

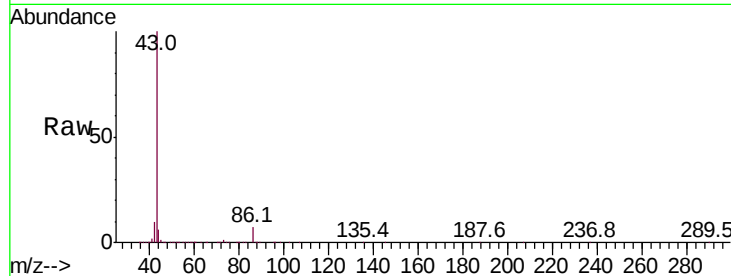
Ion Ratio Lower Upper

43 100

86 7.4 6.3 9.5

42 10.0 7.8 11.8

44 5.5 4.0 6.0

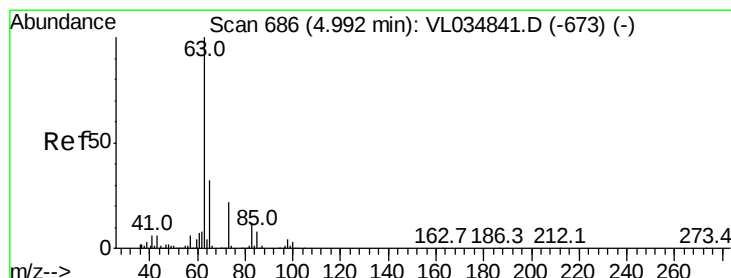
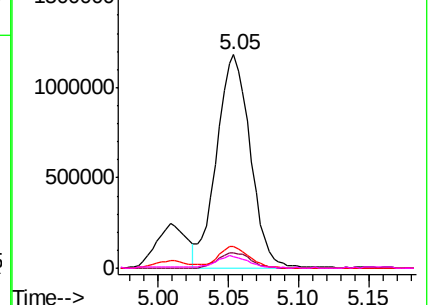
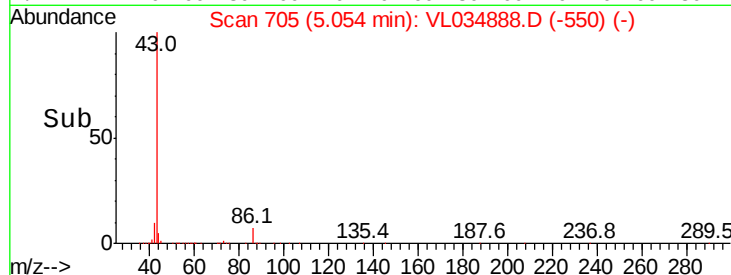


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 10.229 ppbv

RT: 4.99 min Scan# 685

Delta R.T. -0.00 min

Lab File: VL034888.D

Acq: 16 Mar 2020 13:23

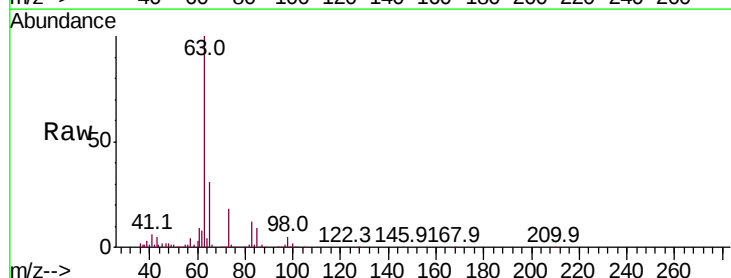
Tgt Ion: 63 Resp: 1285119

Ion Ratio Lower Upper

63 100

98 4.5 2.0 5.8

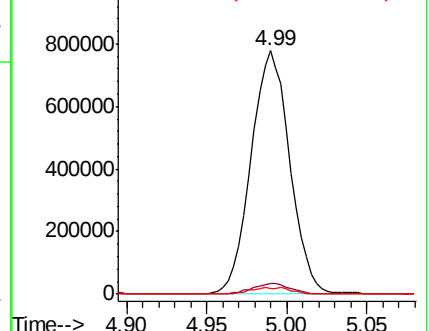
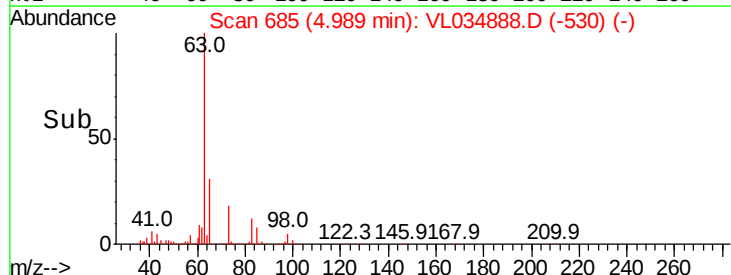
100 2.5 1.4 4.0

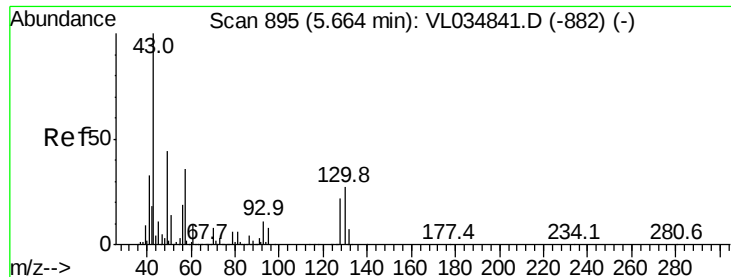


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



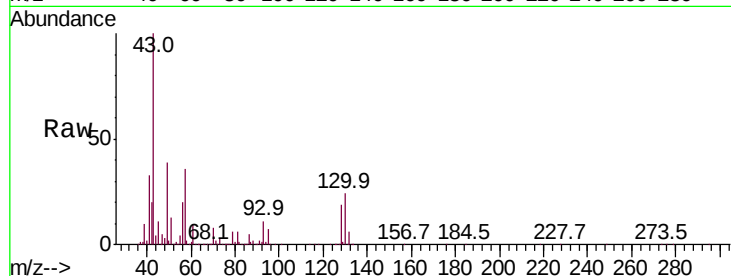


#25
Ethyl Acetate
Concen: 10.048 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.00 min
Lab File: VL034888.D
Acq: 16 Mar 2020 13:23

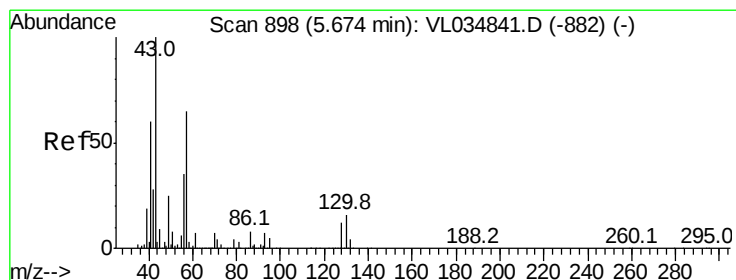
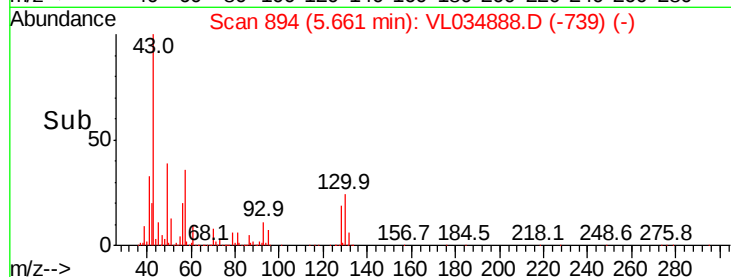
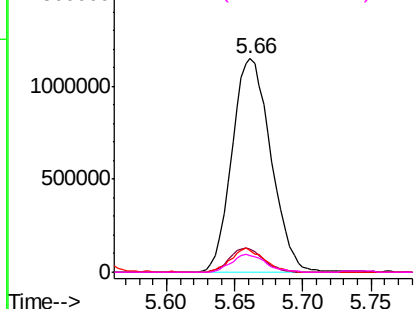
Instrument :
MSVOA_L
ClientSampleId :
VL0316ABSD01

Tot Ion: 43 Resp: 2271166

Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.2	12.2
61	9.6	7.8	11.6
70	7.4	5.8	8.8



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

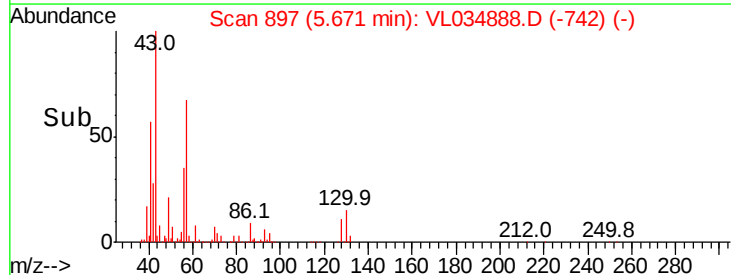
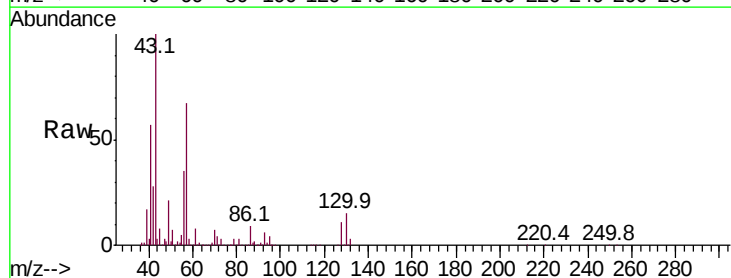
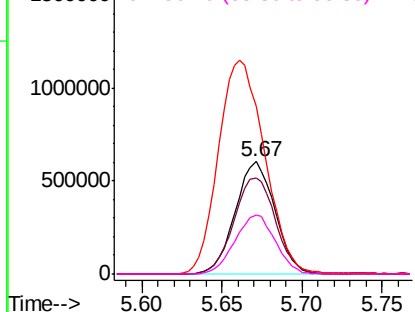


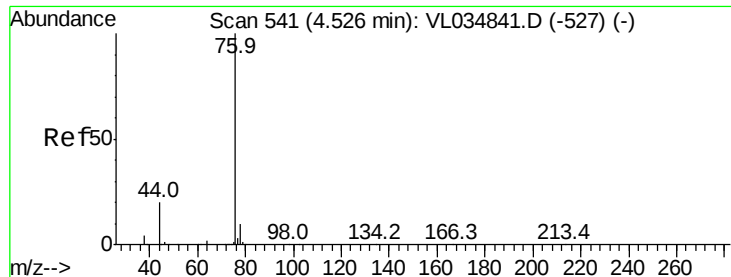
#26
Hexane
Concen: 10.411 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.00 min
Lab File: VL034888.D
Acq: 16 Mar 2020 13:23

Tgt Ion: 57 Resp: 1013287

Ion	Ratio	Lower	Upper
57	100		
41	90.5	72.6	109.0
43	225.2	183.8	275.6
56	53.8	41.9	62.9

Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 10.612 ppbv

RT: 4.52 min Scan# 540

Delta R.T. -0.00 min

Lab File: VL034888.D

Acq: 16 Mar 2020 13:23

Instrument :

MSVOA_L

ClientSampleId :

VL0316ABSD01

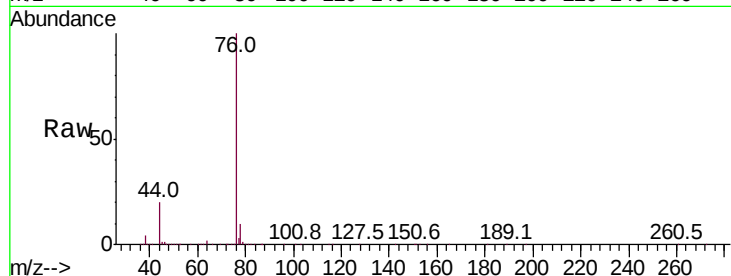
Tot Ion: 76 Resp: 1172032

Ion Ratio Lower Upper

76 100

44 19.1 16.2 24.2

78 9.4 7.8 11.6



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0

1000000

800000

600000

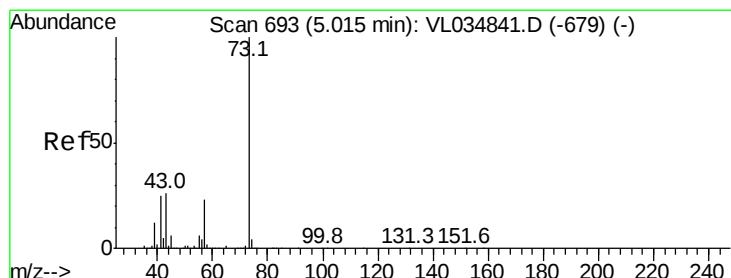
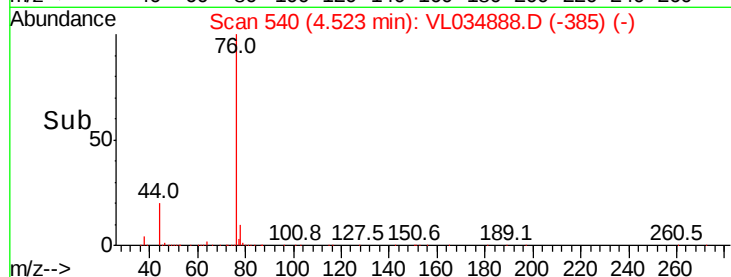
400000

200000

0

4.45 4.50 4.55

Time-->



#28

Methyl tert-Butyl Ether

Concen: 9.810 ppbv

RT: 5.01 min Scan# 692

Delta R.T. -0.00 min

Lab File: VL034888.D

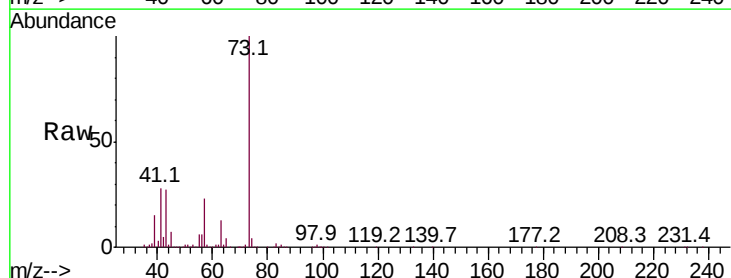
Acq: 16 Mar 2020 13:23

Tgt Ion: 73 Resp: 1588624

Ion Ratio Lower Upper

73 100

57 23.2 18.3 27.5



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

1000000

800000

600000

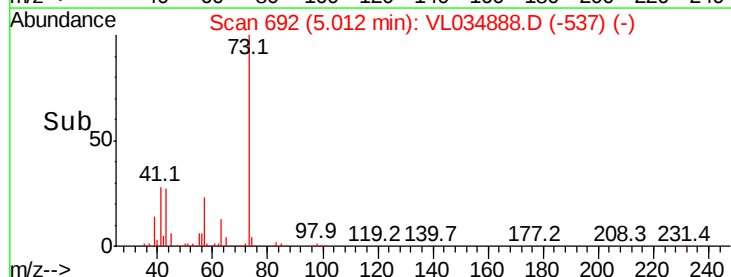
400000

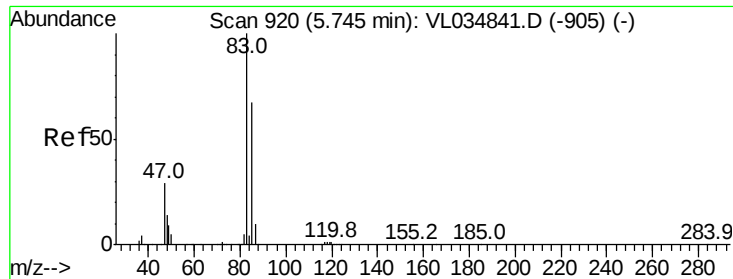
200000

0

4.95 5.00 5.05

Time-->

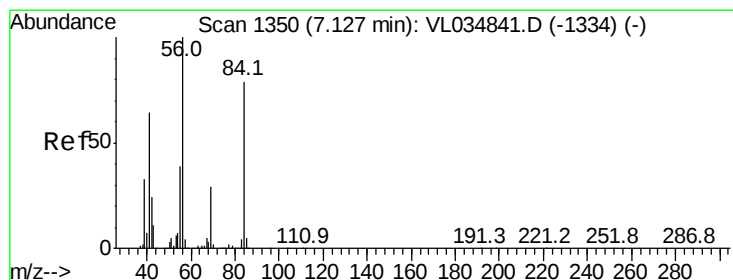
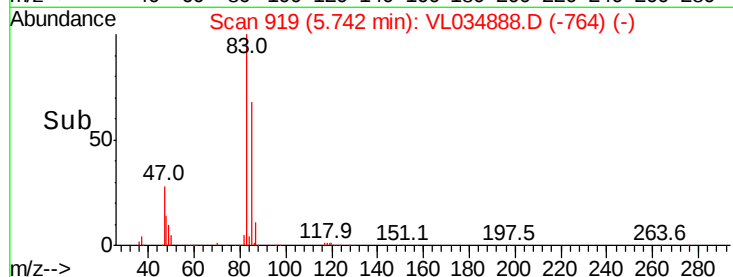
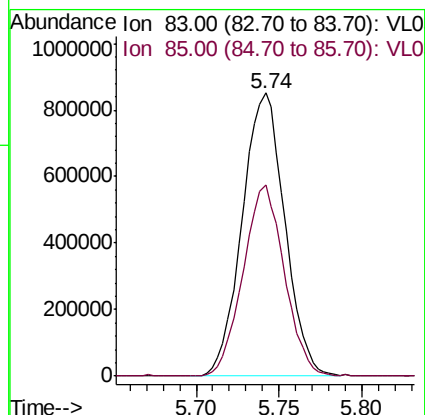
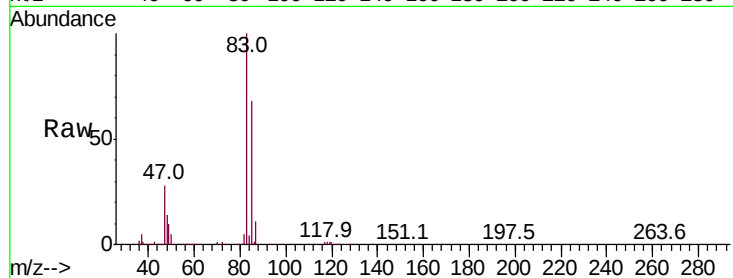




#29
Chloroform
Concen: 10.261 ppbv
RT: 5.74 min Scan# 919
Delta R.T. -0.00 min
Lab File: VL034888.D
Acq: 16 Mar 2020 13:23

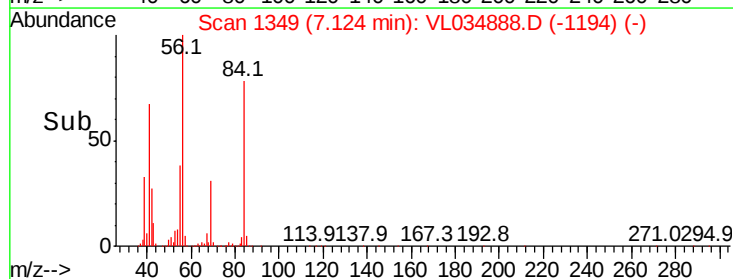
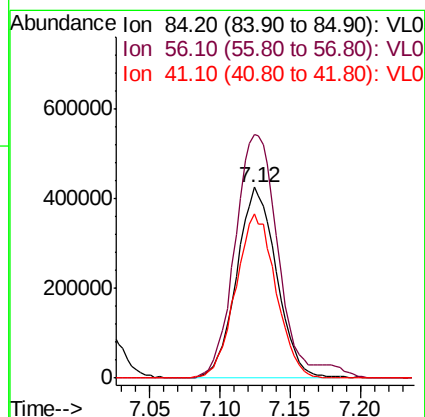
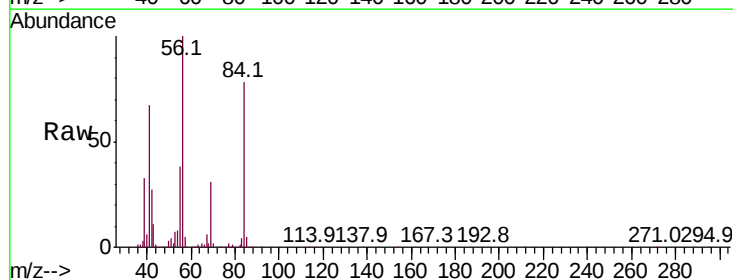
Instrument :
MSVOA_L
ClientSampleId :
VL0316ABSD01

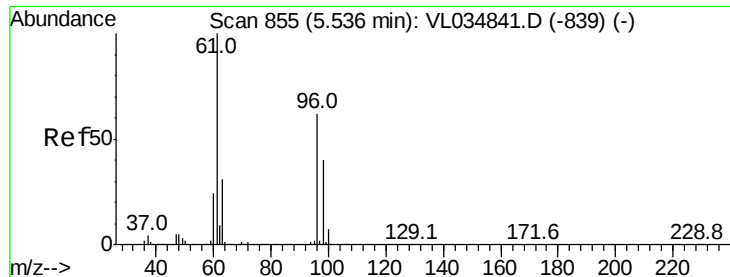
Tot Ion: 83 Resp: 1523790
Ion Ratio Lower Upper
83 100
85 67.5 53.8 80.6



#30
Cyclohexane
Concen: 10.401 ppbv
RT: 7.12 min Scan# 1349
Delta R.T. -0.00 min
Lab File: VL034888.D
Acq: 16 Mar 2020 13:23

Tgt Ion: 84 Resp: 844664
Ion Ratio Lower Upper
84 100
56 140.1 110.5 165.7
41 86.5 68.2 102.4



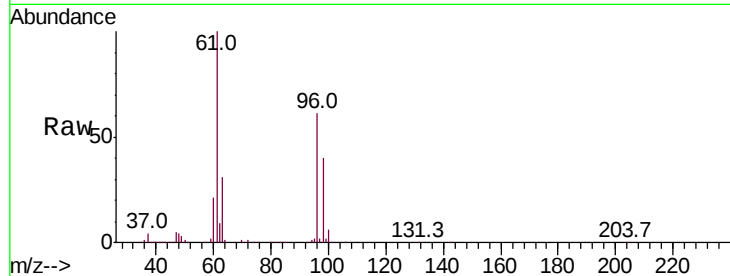


#31

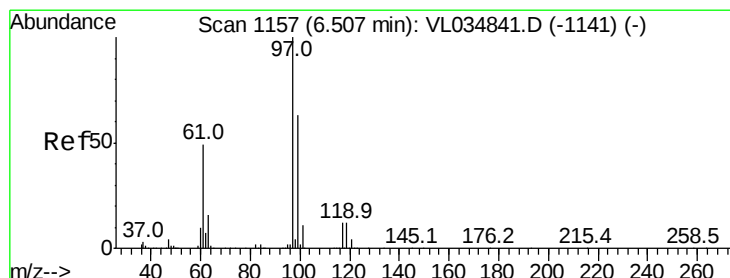
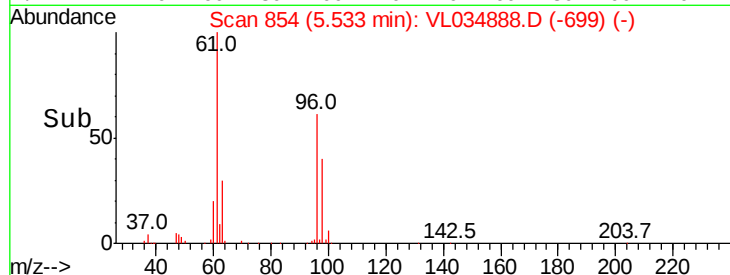
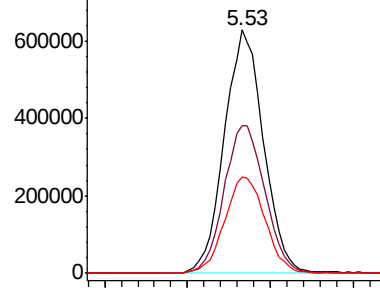
cis-1,2-Dichloroethene
Concen: 10.352 ppbv
RT: 5.53 min Scan# 854
Delta R.T. -0.00 min
Lab File: VL034888.D
Acq: 16 Mar 2020 13:23

Instrument :
MSVOA_L
ClientSampleId :
VL0316ABSD01

Tot Ion: 61 Resp: 1030341
Ion Ratio Lower Upper
61 100
96 60.8 49.8 74.8
98 39.5 32.2 48.4



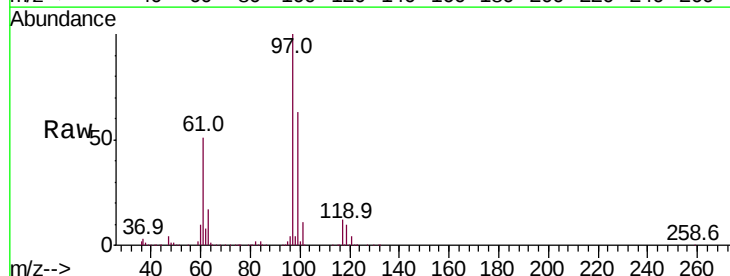
Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0



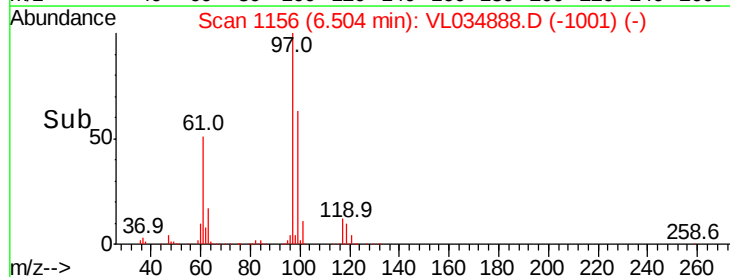
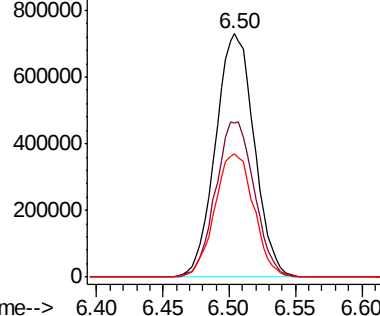
#32

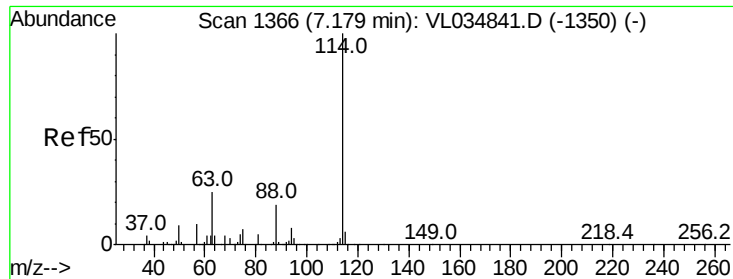
1,1,1-Trichloroethane
Concen: 10.248 ppbv
RT: 6.50 min Scan# 1156
Delta R.T. -0.00 min
Lab File: VL034888.D
Acq: 16 Mar 2020 13:23

Tgt Ion: 97 Resp: 1482842
Ion Ratio Lower Upper
97 100
99 63.9 51.1 76.7
61 51.3 39.7 59.5



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

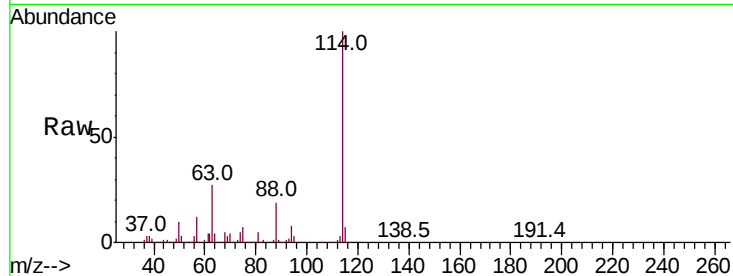




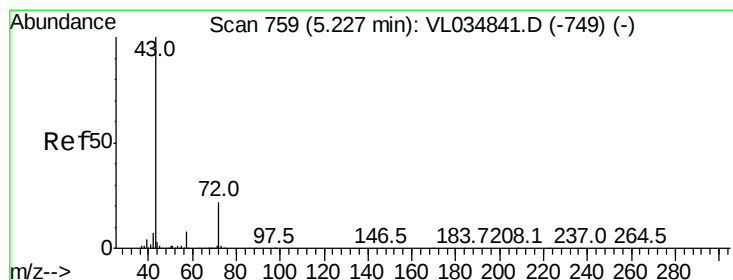
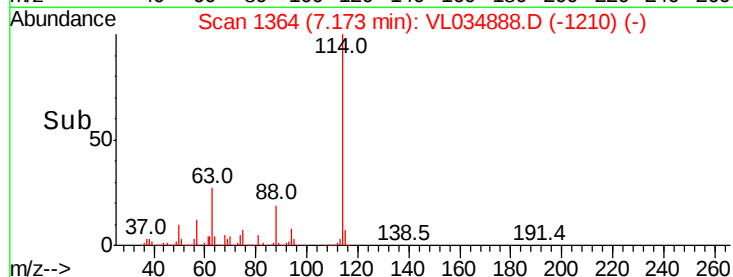
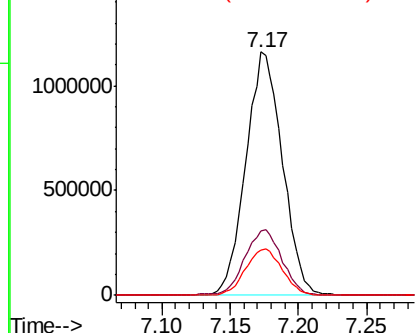
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VL034888.D
 Acq: 16 Mar 2020 13:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0316ABSD01

Tot Ion:114 Resp: 2159130
 Ion Ratio Lower Upper
 114 100
 63 27.9 20.6 31.0
 88 19.4 15.0 22.6

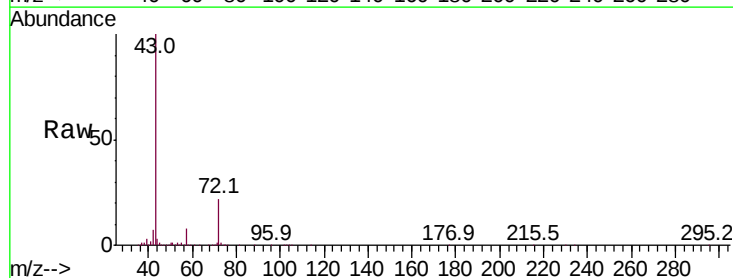


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

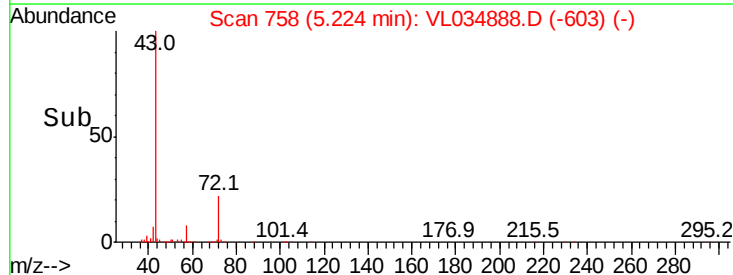
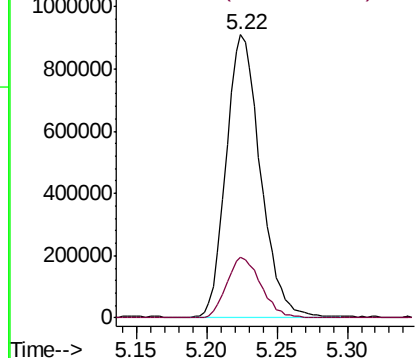


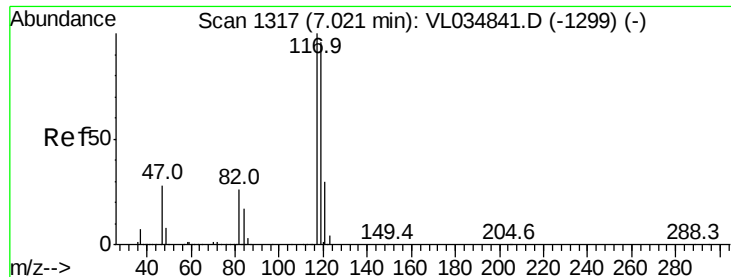
#34
 2-Butanone
 Concen: 10.756 ppbv
 RT: 5.22 min Scan# 758
 Delta R.T. -0.00 min
 Lab File: VL034888.D
 Acq: 16 Mar 2020 13:23

Tgt Ion: 43 Resp: 1543311
 Ion Ratio Lower Upper
 43 100
 72 21.7 17.6 26.4



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





#35

Carbon Tetrachloride

Concen: 11.181 ppbv

RT: 7.01 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VL034888.D

Acq: 16 Mar 2020 13:23

Instrument :

MSVOA_L

ClientSampleId :

VL0316ABSD01

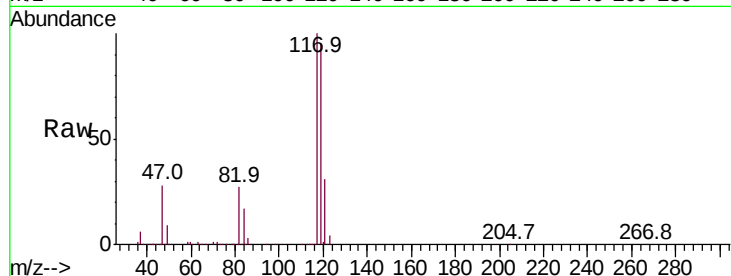
Tot Ion:117 Resp: 1501509

Ion Ratio Lower Upper

117 100

119 94.7 77.0 115.4

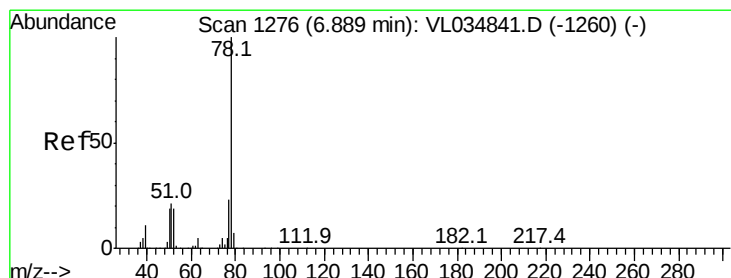
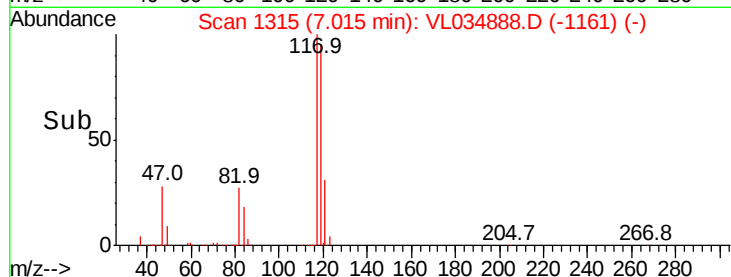
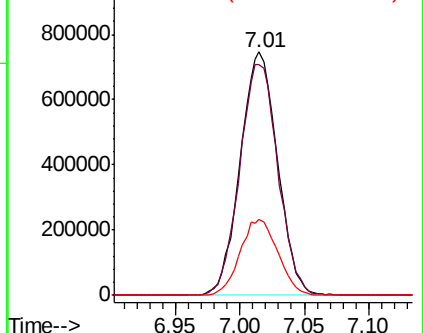
121 31.3 24.0 36.0



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: 10.692 ppbv

RT: 6.89 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VL034888.D

Acq: 16 Mar 2020 13:23

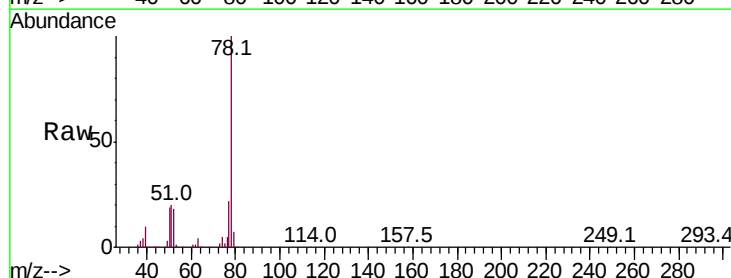
Tgt Ion: 78 Resp: 2057749

Ion Ratio Lower Upper

78 100

77 22.4 18.2 27.2

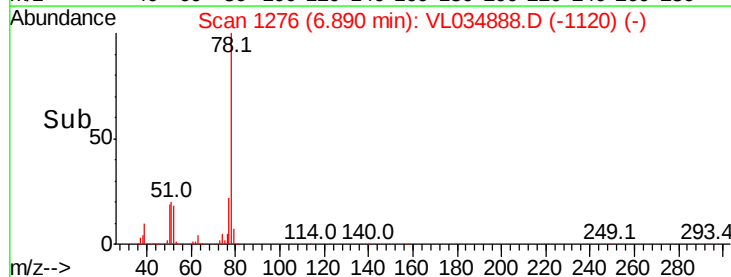
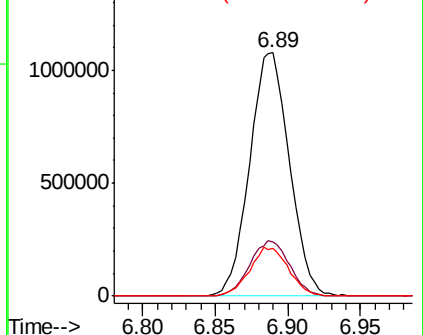
50 19.4 15.2 22.8

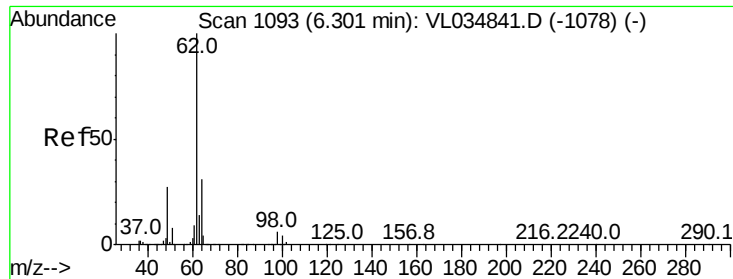


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 10.884 ppbv

RT: 6.30 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VL034888.D

Acq: 16 Mar 2020 13:23

Instrument :

MSVOA_L

ClientSampleId :

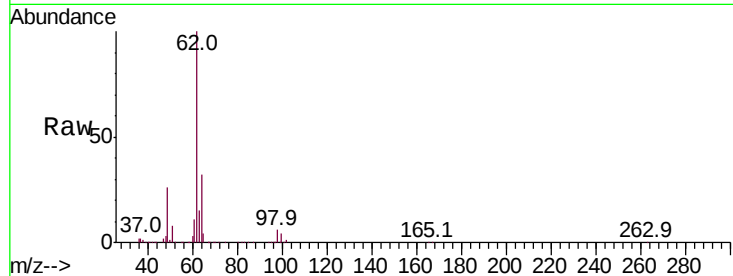
VL0316ABSD01

Tot Ion: 62 Resp: 1181135

Ion Ratio Lower Upper

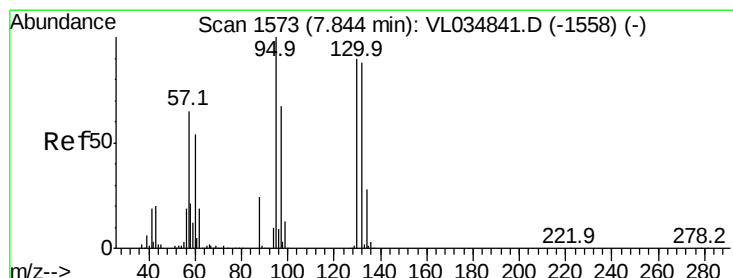
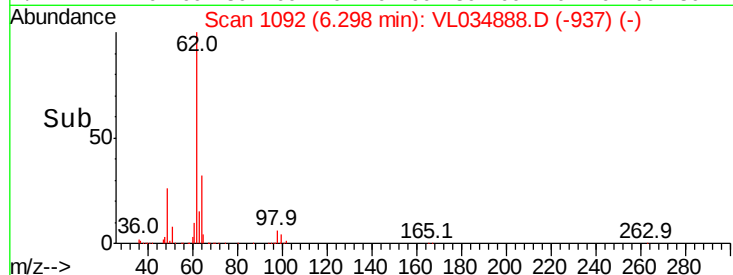
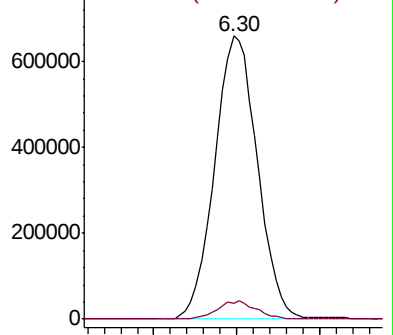
62 100

98 6.0 5.2 7.8



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#38

Trichloroethene

Concen: 10.392 ppbv

RT: 7.84 min Scan# 1571

Delta R.T. -0.01 min

Lab File: VL034888.D

Acq: 16 Mar 2020 13:23

Tgt Ion:130 Resp: 759606

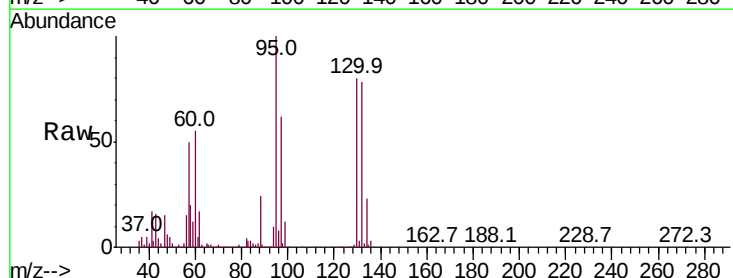
Ion Ratio Lower Upper

130 100

95 124.4 88.5 132.7

132 97.0 78.0 117.0

97 77.3 59.3 88.9

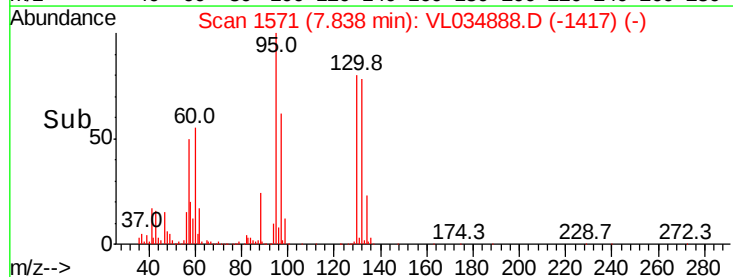
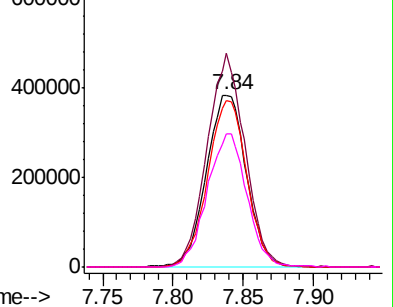


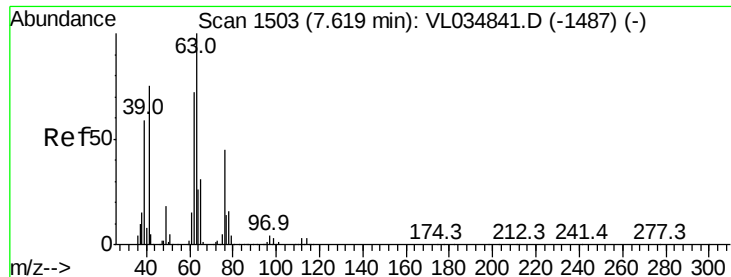
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0





#39

1,2-Dichloropropane

Concen: 10.565 ppbv

RT: 7.61 min Scan# 1501

Delta R.T. -0.01 min

Lab File: VL034888.D

Acq: 16 Mar 2020 13:23

Instrument :

MSVOA_L

ClientSampleId :

VL0316ABSD01

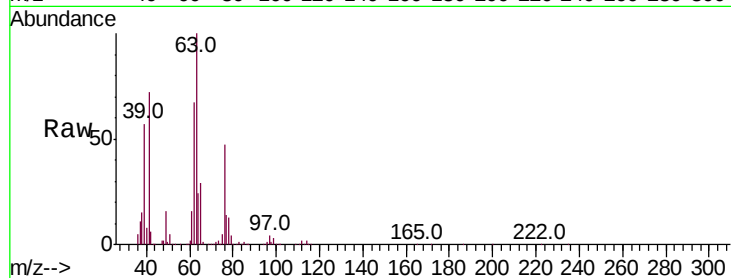
Tot Ion: 63 Resp: 805622

Ion Ratio Lower Upper

63 100

41 72.3 59.8 89.8

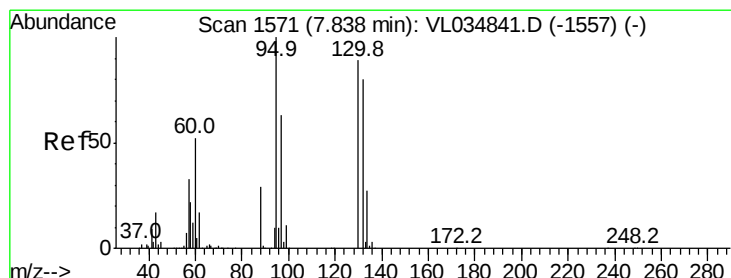
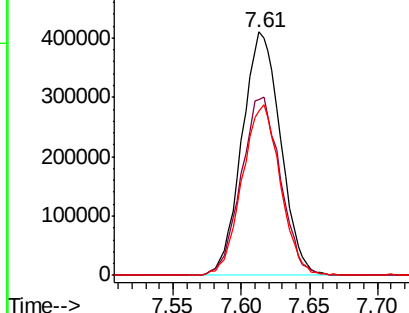
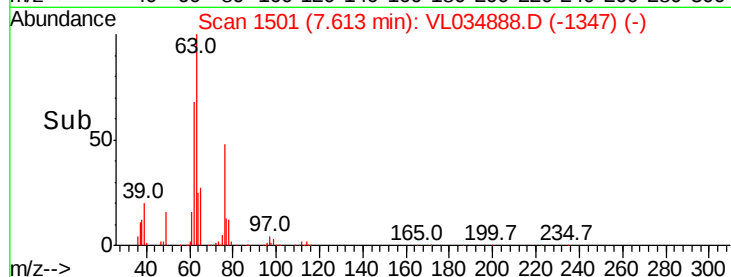
62 67.2 57.6 86.4



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: 9.431 ppbv

RT: 7.83 min Scan# 1569

Delta R.T. -0.01 min

Lab File: VL034888.D

Acq: 16 Mar 2020 13:23

Tgt Ion: 88 Resp: 271594

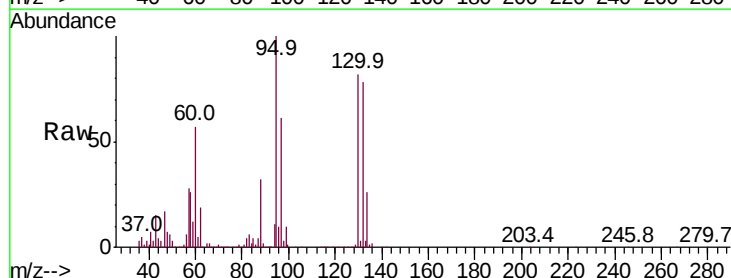
Ion Ratio Lower Upper

88 100

58 140.4 103.9 155.9

43 0.0 0.0 0.0

57 0.0 0.0 0.0

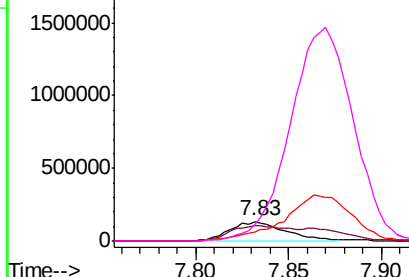
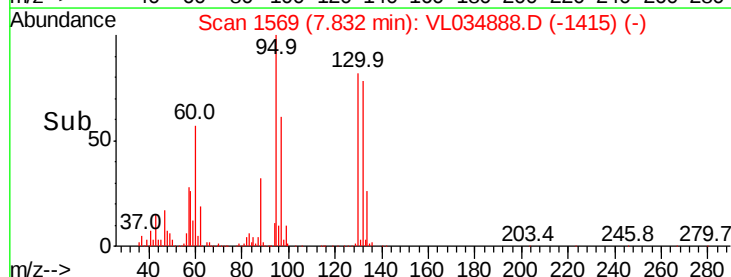


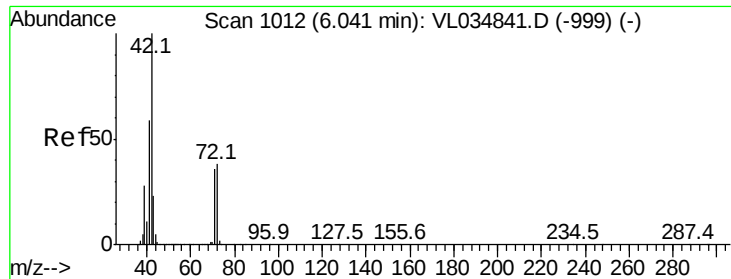
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

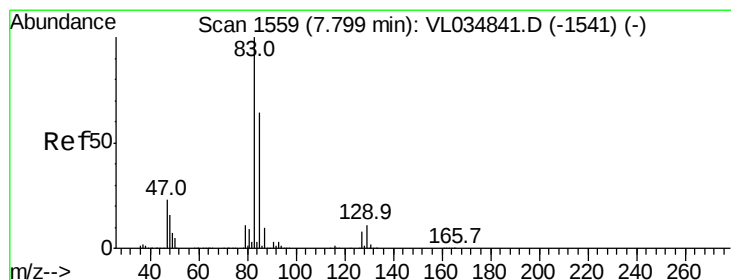
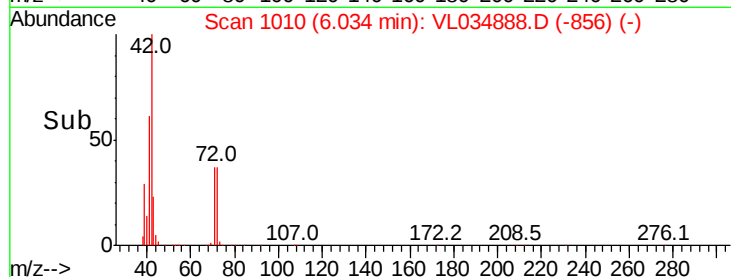
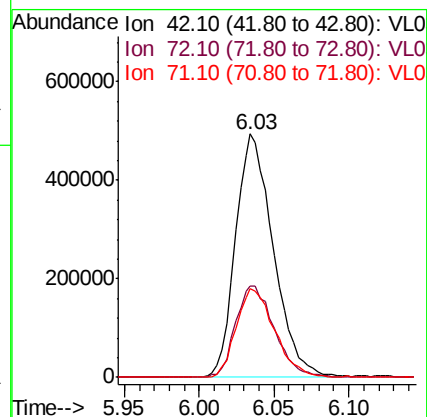
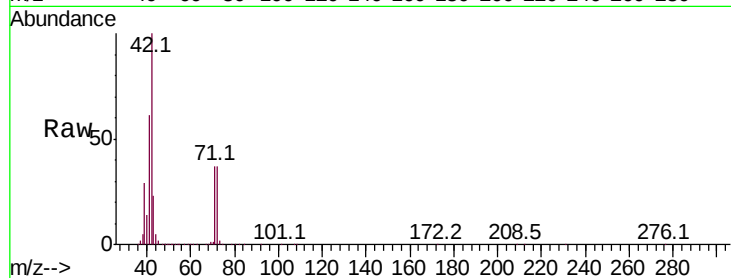




#41
Tetrahydrofuran
Concen: 11.205 ppbv
RT: 6.03 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VL034888.D
Acq: 16 Mar 2020 13:23

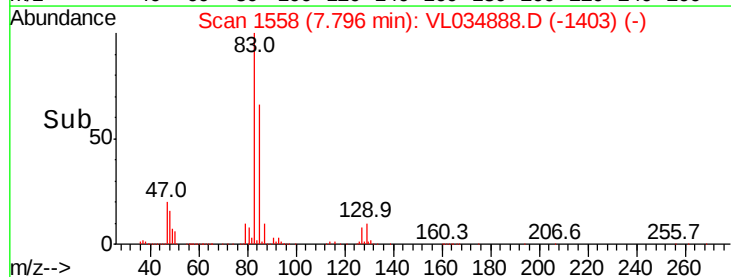
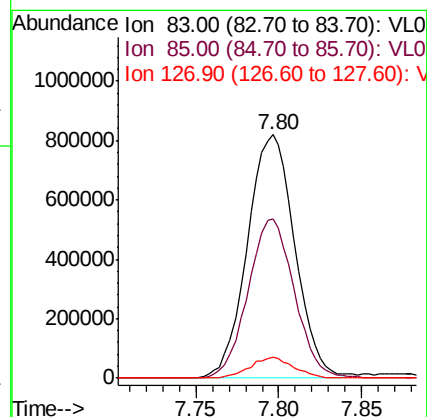
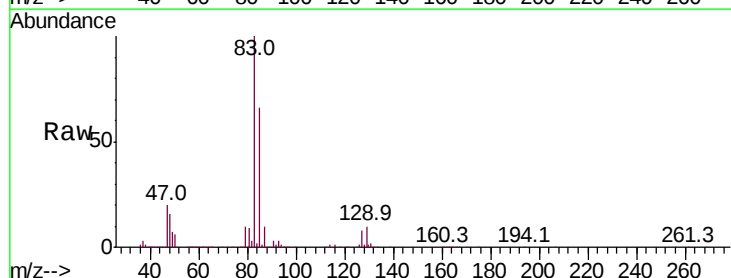
Instrument :
MSVOA_L
ClientSampleId :
VL0316ABSD01

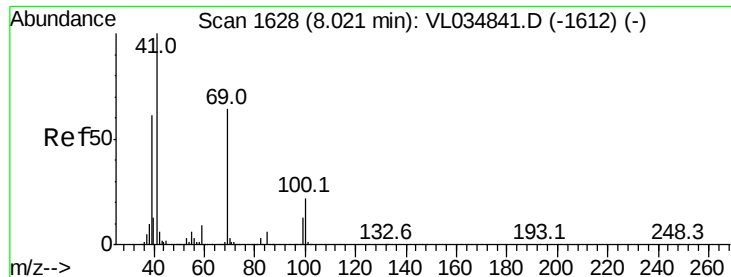
Tot Ion	Ratio	Lower	Upper
42	100		
72	38.7	30.8	46.2
71	37.2	30.1	45.1



#42
Bromodichloromethane
Concen: 10.986 ppbv
RT: 7.80 min Scan# 1558
Delta R.T. -0.00 min
Lab File: VL034888.D
Acq: 16 Mar 2020 13:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.4	77.2
127	8.4	6.2	9.4





#43

Methyl Methacrylate

Concen: 11.244 ppbv

RT: 8.01 min Scan# 1626

Delta R.T. -0.01 min

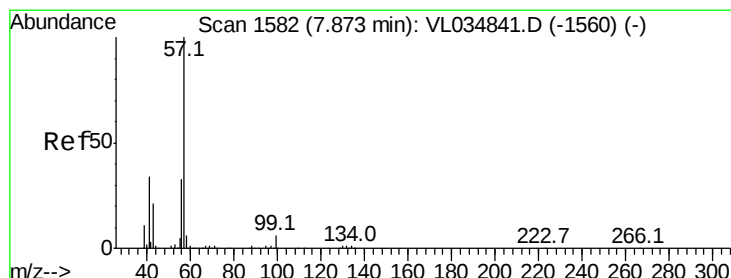
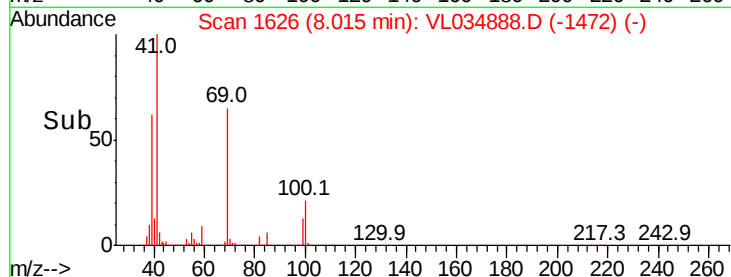
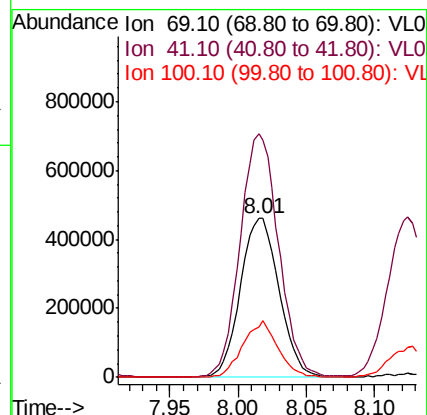
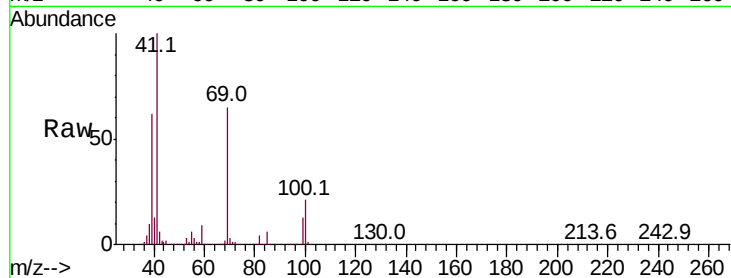
Lab File: VL034888.D

Acq: 16 Mar 2020 13:23

Instrument :
MSVOA_L
ClientSampleId :
VL0316ABSD01

Tot Ion: 69 Resp: 911684

Ion	Ratio	Lower	Upper
69	100		
41	152.1	123.2	184.8
100	32.0	26.9	40.3



#44

2,2,4-Trimethylpentane

Concen: 10.701 ppbv

RT: 7.87 min Scan# 1581

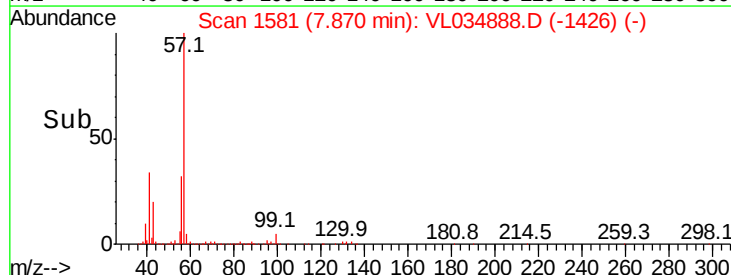
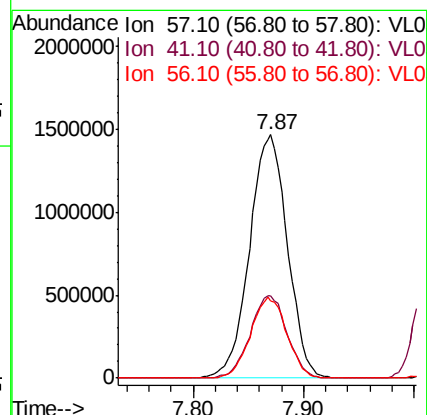
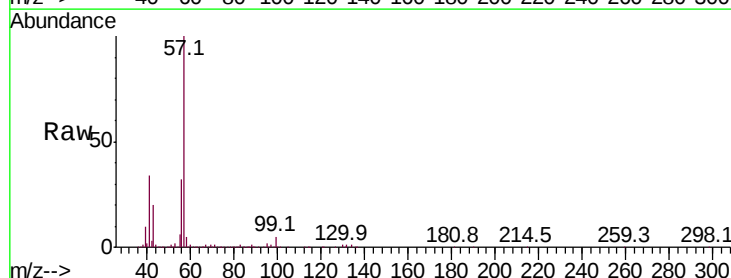
Delta R.T. -0.00 min

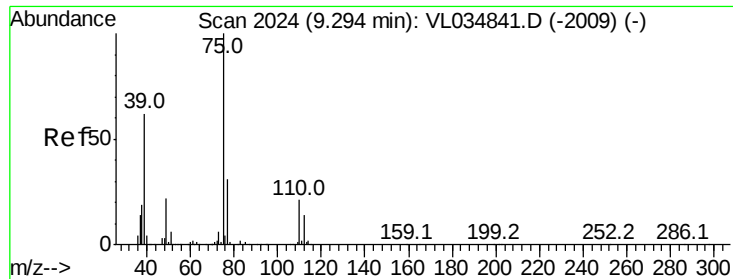
Lab File: VL034888.D

Acq: 16 Mar 2020 13:23

Tgt Ion: 57 Resp: 3480155

Ion	Ratio	Lower	Upper
57	100		
41	33.2	26.2	39.4
56	32.0	25.0	37.4





#45

t-1,3-Dichloropropene

Concen: 11.058 ppbv

RT: 9.29 min Scan# 2023

Delta R.T. -0.00 min

Lab File: VL034888.D

Acq: 16 Mar 2020 13:23

Instrument :

MSVOA_L

ClientSampleId :

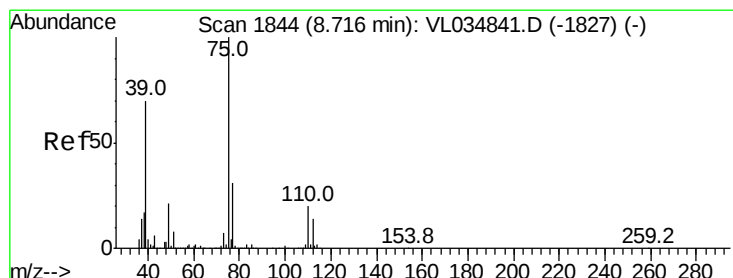
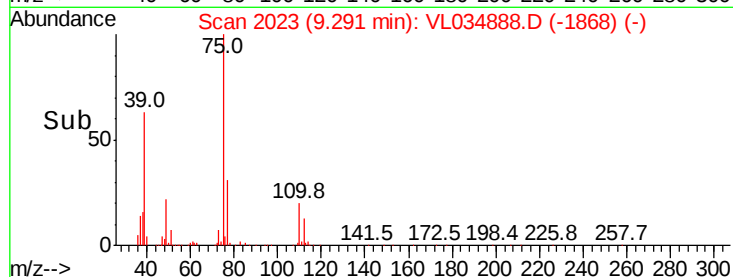
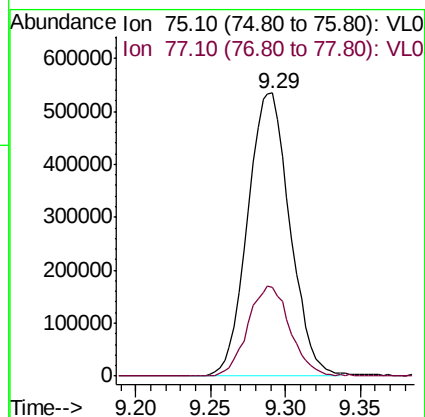
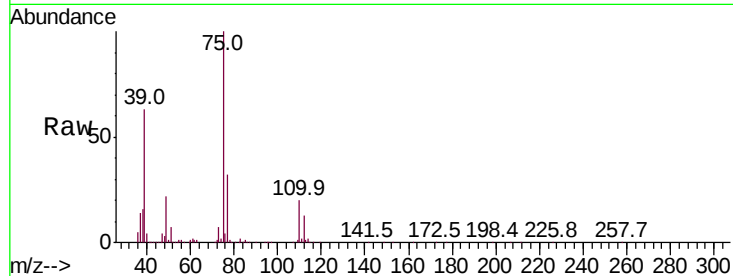
VL0316ABSD01

Tot Ion: 75 Resp: 1053343

Ion Ratio Lower Upper

75 100

77 31.5 24.6 37.0



#46

cis-1,3-Dichloropropene

Concen: 10.902 ppbv

RT: 8.71 min Scan# 1842

Delta R.T. -0.01 min

Lab File: VL034888.D

Acq: 16 Mar 2020 13:23

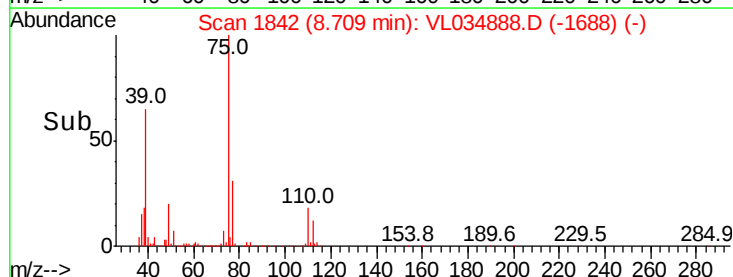
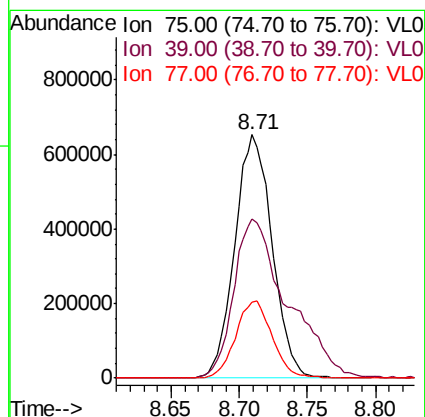
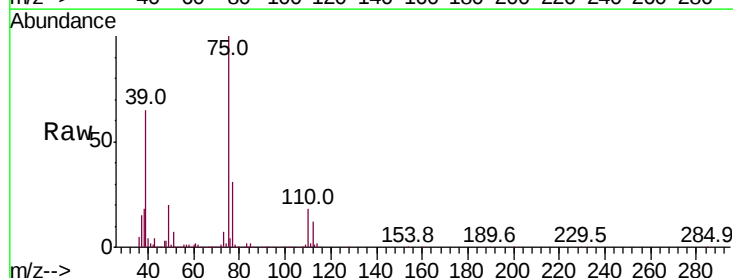
Tgt Ion: 75 Resp: 1234091

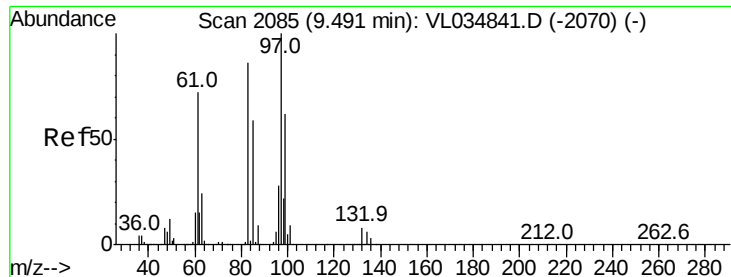
Ion Ratio Lower Upper

75 100

39 65.5 55.7 83.5

77 31.1 24.7 37.1





#47

1,1,2-Trichloroethane

Concen: 10.616 ppbv

RT: 9.48 min Scan# 2083

Delta R.T. -0.01 min

Lab File: VL034888.D

Acq: 16 Mar 2020 13:23

Instrument :

MSVOA_L

ClientSampleId :

VL0316ABSD01

Tot Ion: 97 Resp: 830694

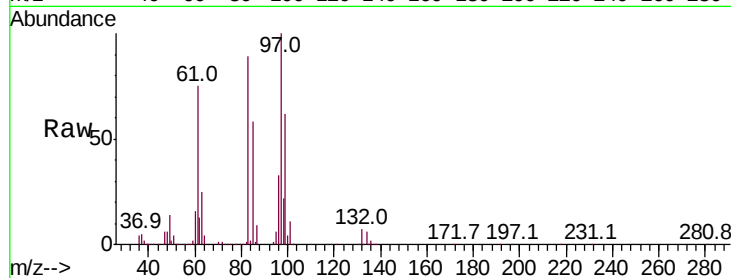
Ion Ratio Lower Upper

97 100

83 88.7 68.6 102.8

85 57.9 46.9 70.3

99 62.1 49.9 74.9

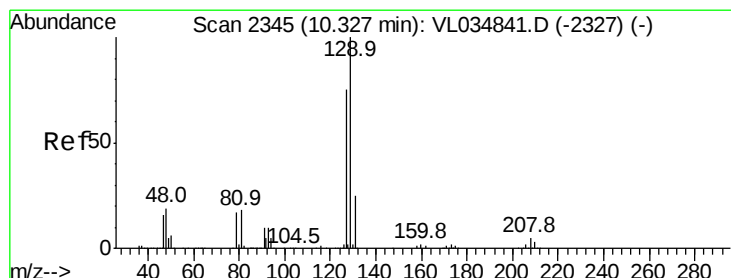
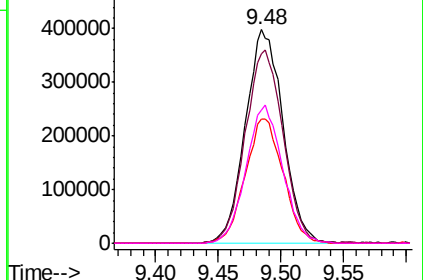
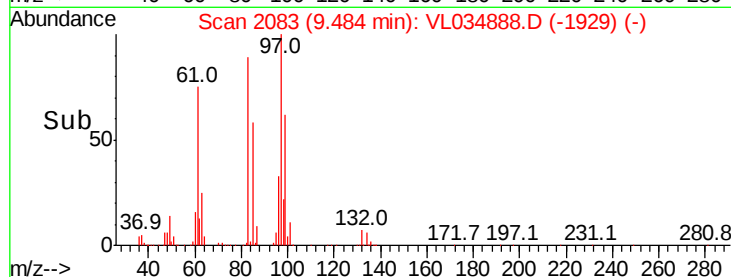


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 10.772 ppbv

RT: 10.32 min Scan# 2343

Delta R.T. -0.01 min

Lab File: VL034888.D

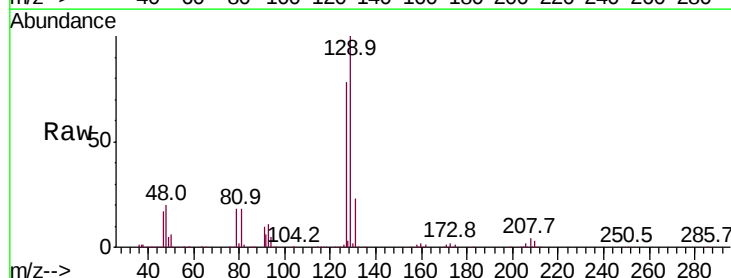
Acq: 16 Mar 2020 13:23

Tgt Ion:129 Resp: 1365108

Ion Ratio Lower Upper

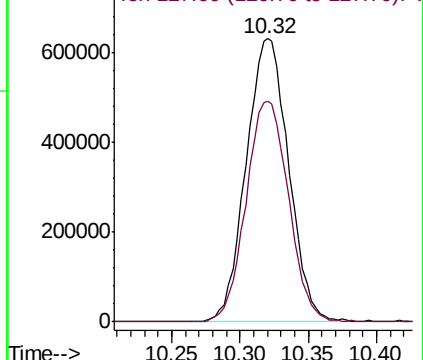
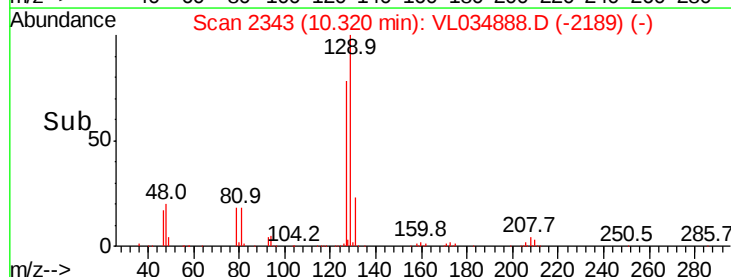
129 100

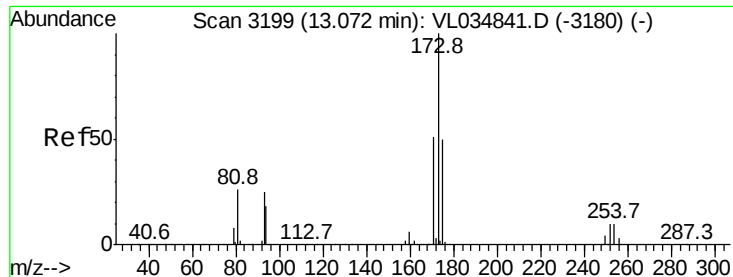
127 78.4 39.6 118.7



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.825 ppbv

RT: 13.07 min Scan# 3197

Delta R.T. -0.01 min

Lab File: VL034888.D

Acq: 16 Mar 2020 13:23

Instrument :

MSVOA_L

ClientSampleId :

VL0316ABSD01

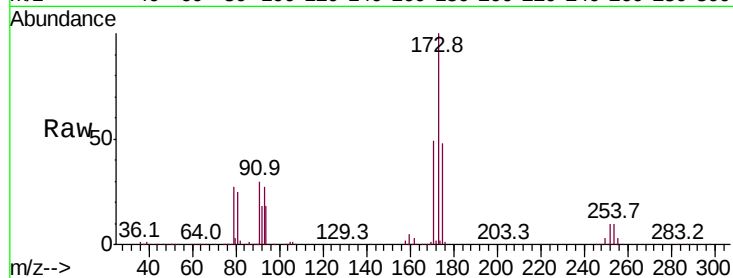
Tot Ion:173 Resp: 1223164

Ion Ratio Lower Upper

173 100

175 48.9 39.6 59.4

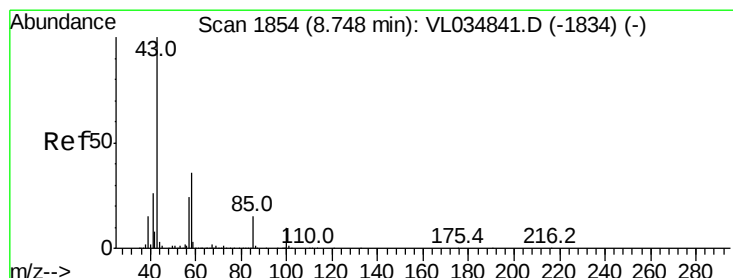
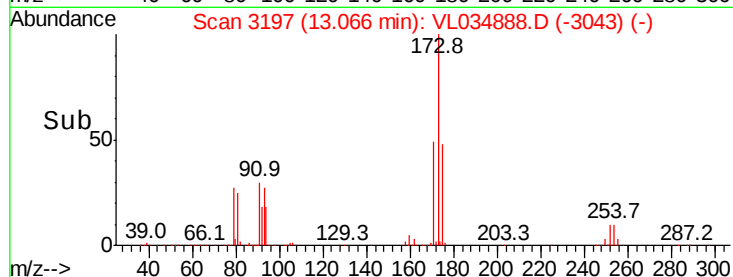
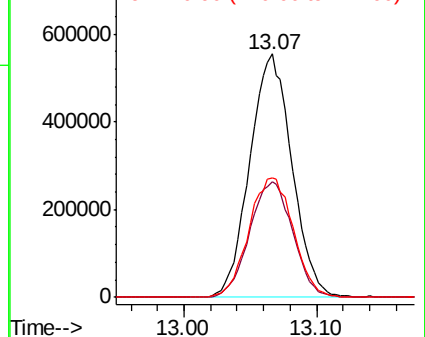
171 51.9 41.0 61.6



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 11.021 ppbv

RT: 8.74 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VL034888.D

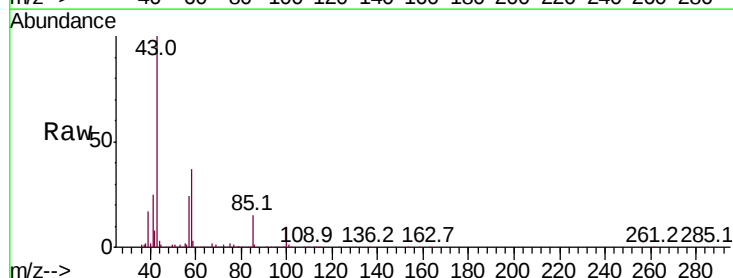
Acq: 16 Mar 2020 13:23

Tgt Ion: 43 Resp: 2276461

Ion Ratio Lower Upper

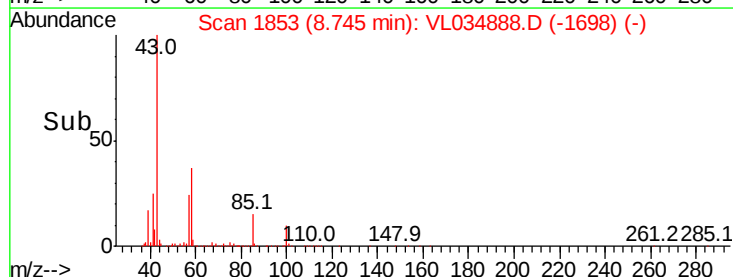
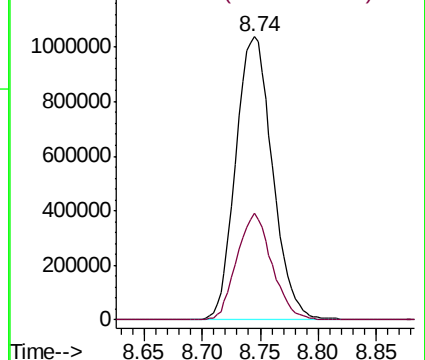
43 100

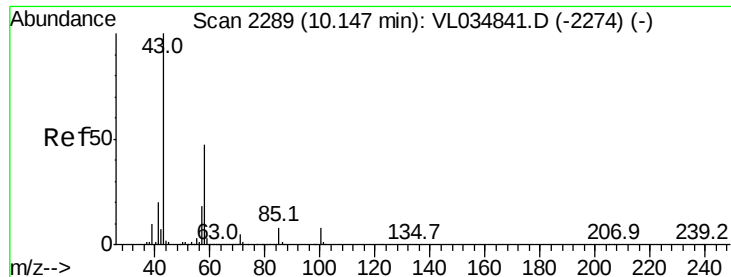
58 36.1 28.6 42.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 11.157 ppbv

RT: 10.14 min Scan# 2287

Delta R.T. -0.01 min

Lab File: VL034888.D

Acq: 16 Mar 2020 13:23

Instrument :

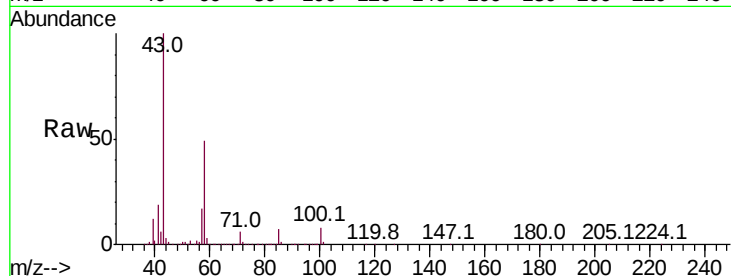
MSVOA_L

ClientSampleId :

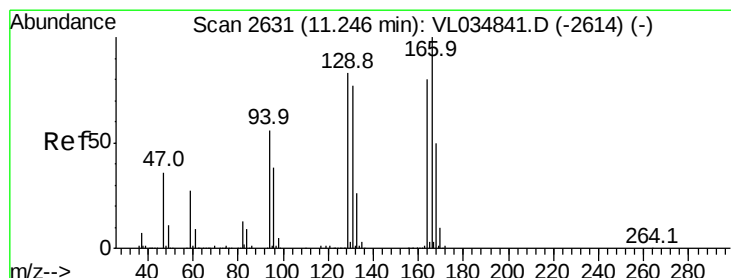
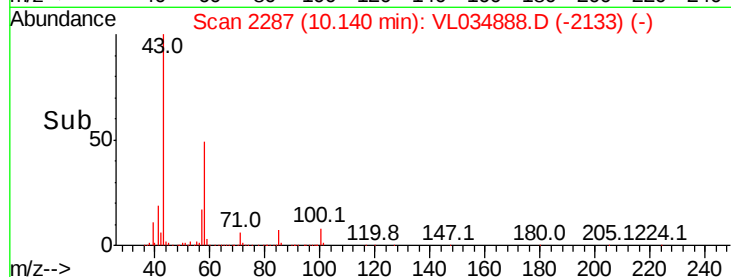
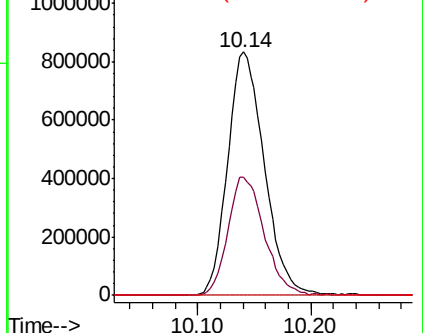
VL0316ABSD01

Tot Ion: 43 Resp: 1872820

Ion	Ratio	Lower	Upper
43	100		
58	48.3	38.6	58.0
98	0.2	0.1	0.1#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 9.476 ppbv

RT: 11.24 min Scan# 2629

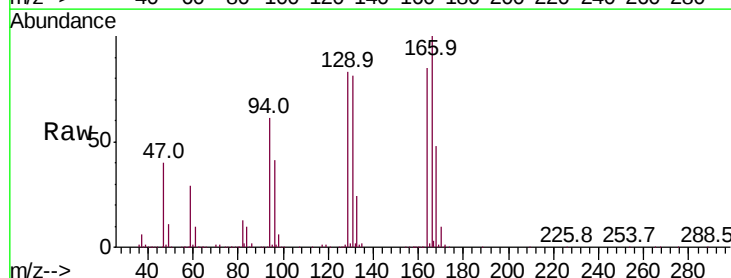
Delta R.T. -0.01 min

Lab File: VL034888.D

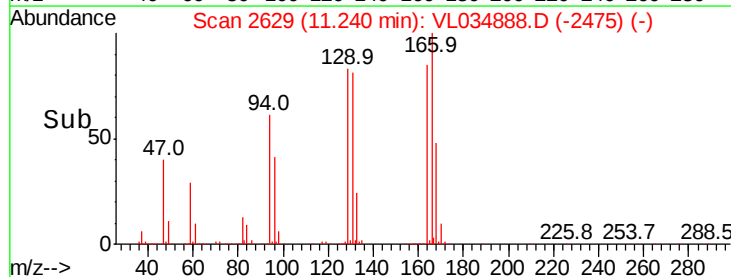
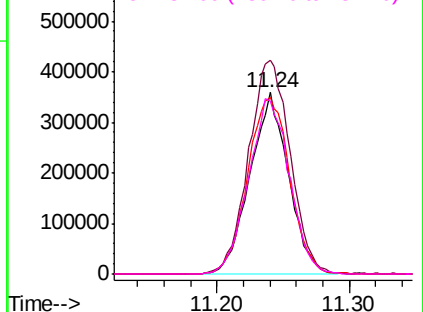
Acq: 16 Mar 2020 13:23

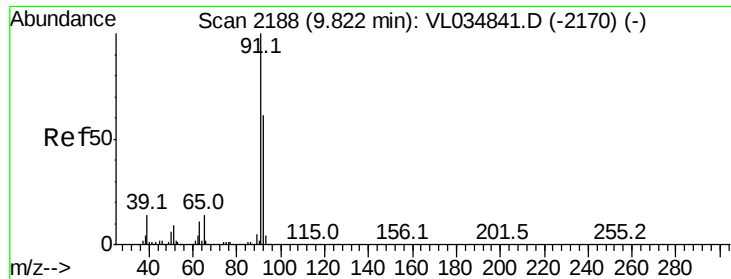
Tgt Ion: 164 Resp: 721461

Ion	Ratio	Lower	Upper
164	100		
166	117.8	100.0	150.0
129	97.4	83.1	124.7
131	95.6	77.2	115.8



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 10.620 ppbv

RT: 9.82 min Scan# 2186

Delta R.T. -0.01 min

Lab File: VL034888.D

Acq: 16 Mar 2020 13:23

Instrument :

MSVOA_L

ClientSampleId :

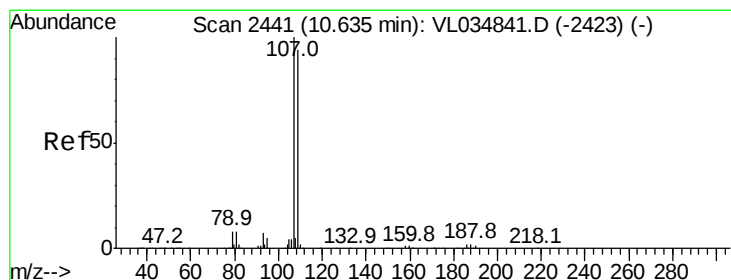
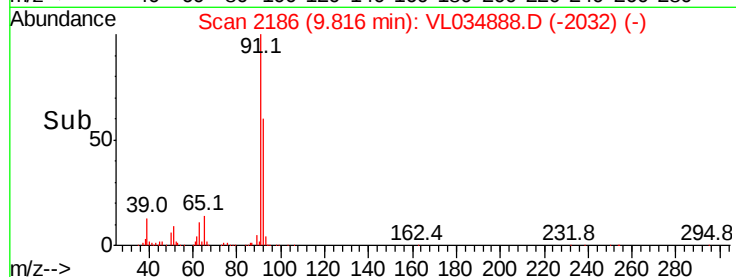
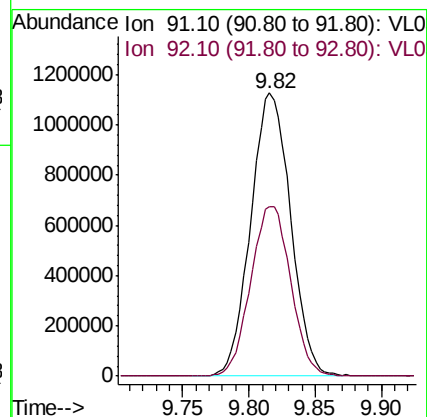
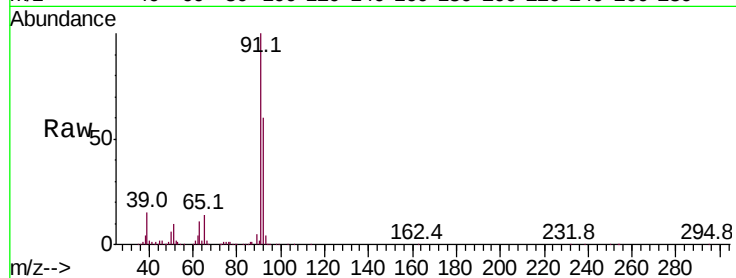
VL0316ABSD01

Tot Ion: 91 Resp: 2360287

Ion Ratio Lower Upper

91 100

92 60.4 48.6 72.8



#54

1,2-Dibromoethane

Concen: 10.647 ppbv

RT: 10.63 min Scan# 2438

Delta R.T. -0.01 min

Lab File: VL034888.D

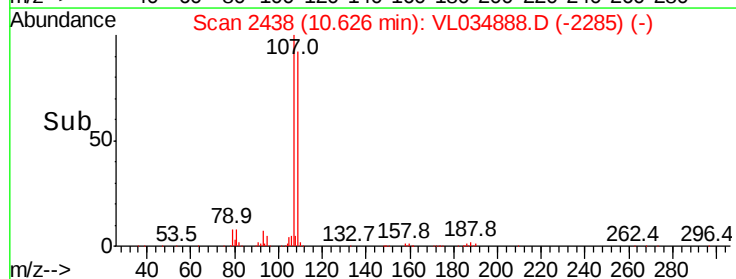
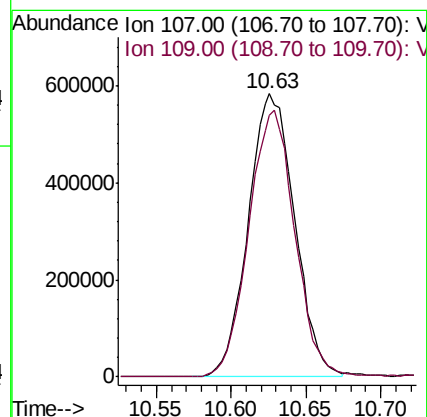
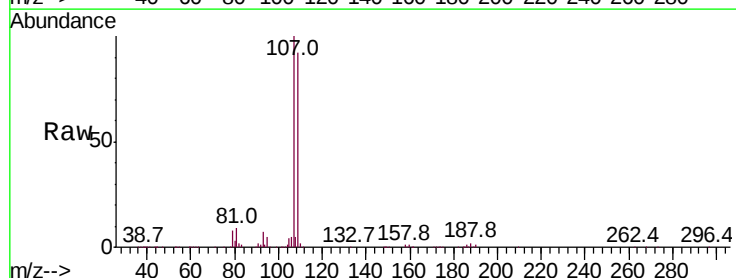
Acq: 16 Mar 2020 13:23

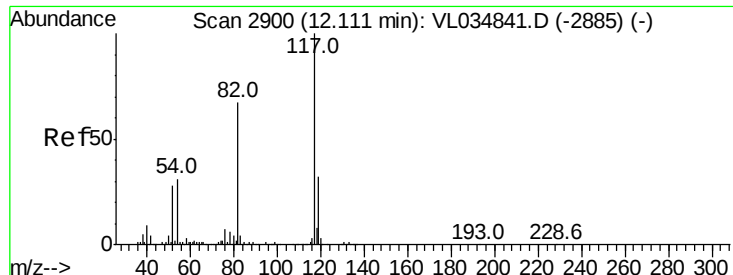
Tgt Ion: 107 Resp: 1254180

Ion Ratio Lower Upper

107 100

109 92.2 74.9 112.3

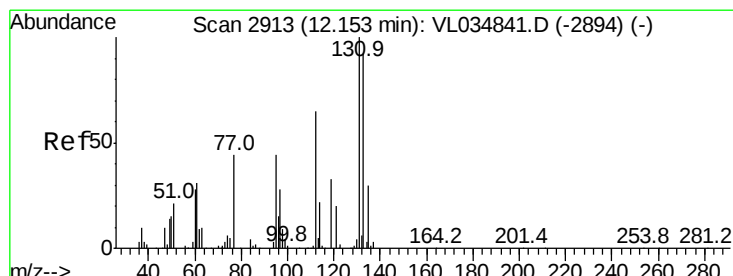
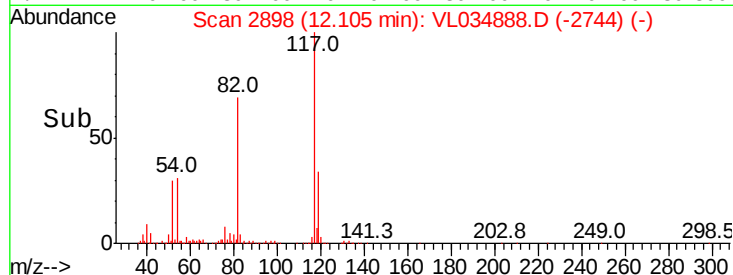
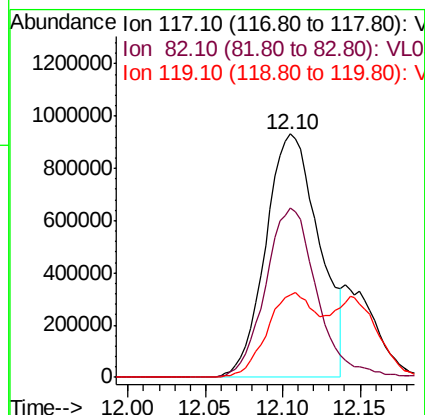
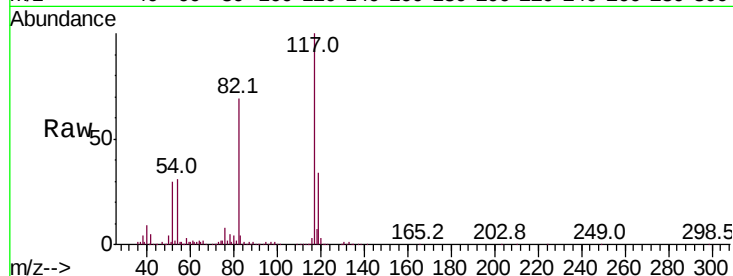




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2898
Delta R.T. -0.01 min
Lab File: VL034888.D
Acq: 16 Mar 2020 13:23

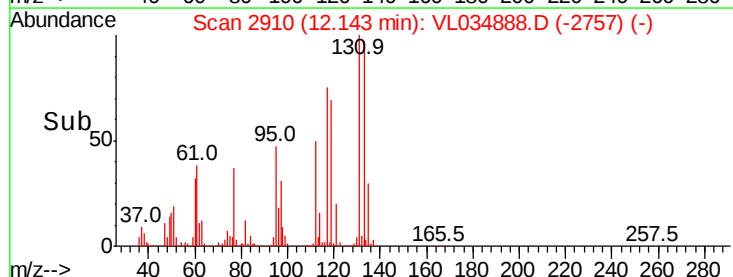
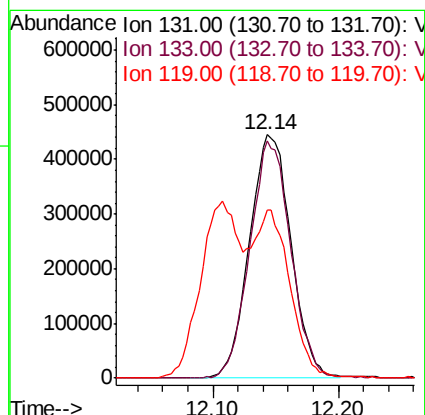
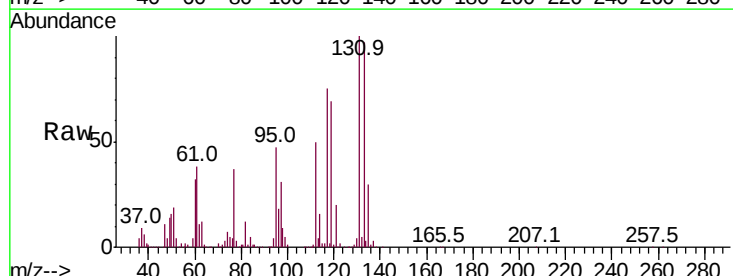
Instrument :
MSVOA_L
ClientSampleId :
VL0316ABSD01

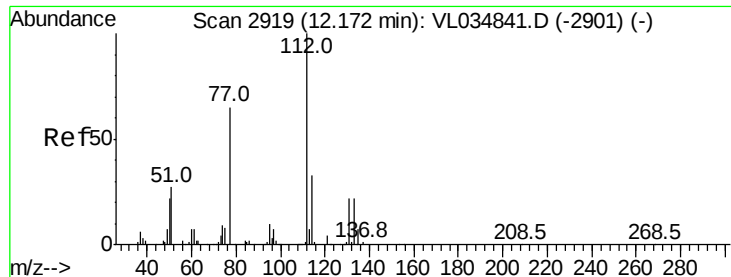
Tot Ion:117 Resp: 2244342
Ion Ratio Lower Upper
117 100
82 67.4 51.1 76.7
119 34.8 27.3 40.9



#56
1,1,1,2-Tetrachloroethane
Concen: 10.133 ppbv
RT: 12.14 min Scan# 2910
Delta R.T. -0.01 min
Lab File: VL034888.D
Acq: 16 Mar 2020 13:23

Tgt Ion:131 Resp: 1021604
Ion Ratio Lower Upper
131 100
133 96.2 76.0 114.0
119 56.7 47.8 71.8





#57

Chlorobenzene

Concen: 9.986 ppbv

RT: 12.17 min Scan# 2917

Delta R.T. -0.01 min

Lab File: VL034888.D

Acq: 16 Mar 2020 13:23

Instrument :

MSVOA_L

ClientSampleId :

VL0316ABSD01

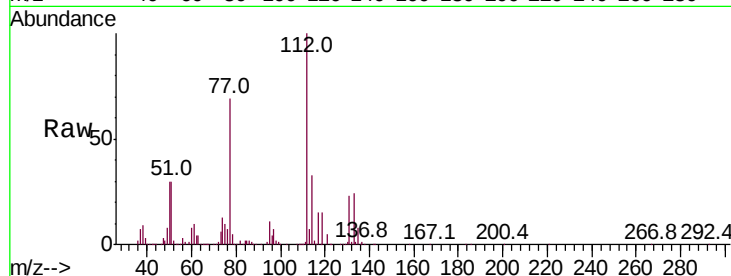
Tot Ion:112 Resp: 1753545

Ion Ratio Lower Upper

112 100

77 68.3 53.0 79.6

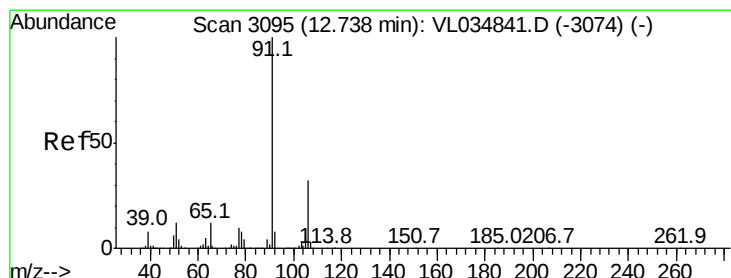
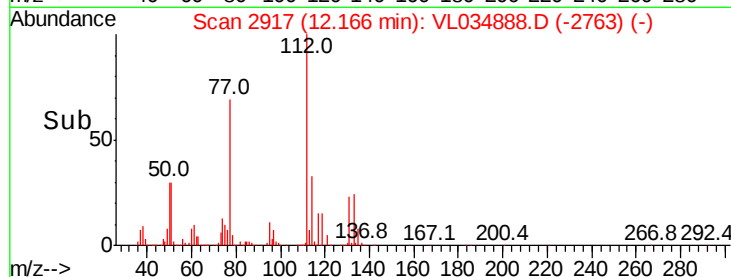
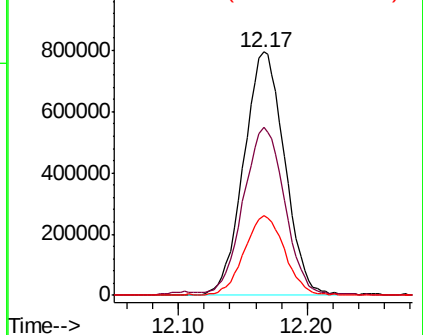
114 32.5 29.5 36.1



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: 10.380 ppbv

RT: 12.73 min Scan# 3092

Delta R.T. -0.01 min

Lab File: VL034888.D

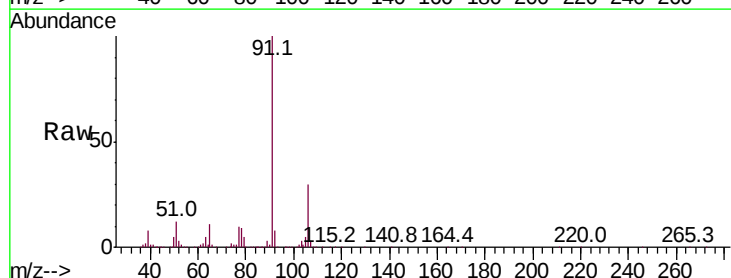
Acq: 16 Mar 2020 13:23

Tgt Ion: 91 Resp: 3154917

Ion Ratio Lower Upper

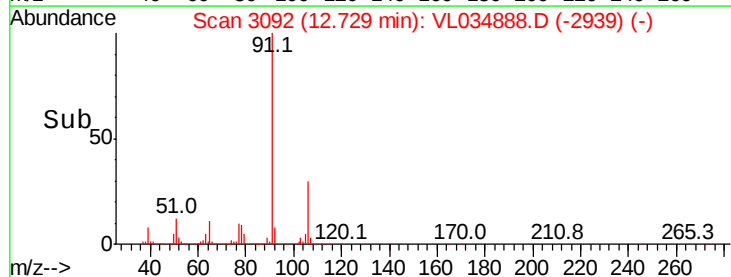
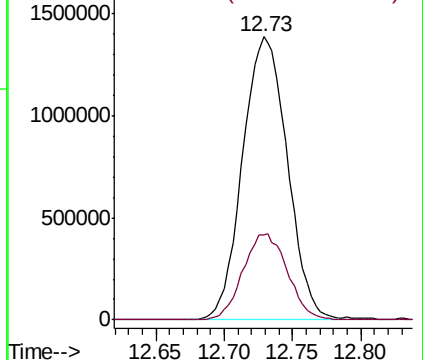
91 100

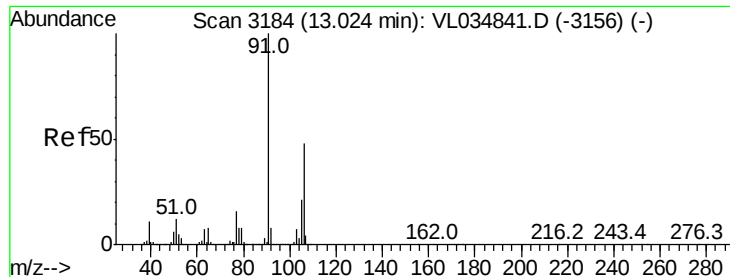
106 30.1 25.8 38.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 10.252 ppbv

RT: 13.02 min Scan# 3182

Delta R.T. -0.01 min

Lab File: VL034888.D

Acq: 16 Mar 2020 13:23

Instrument :

MSVOA_L

ClientSampleId :

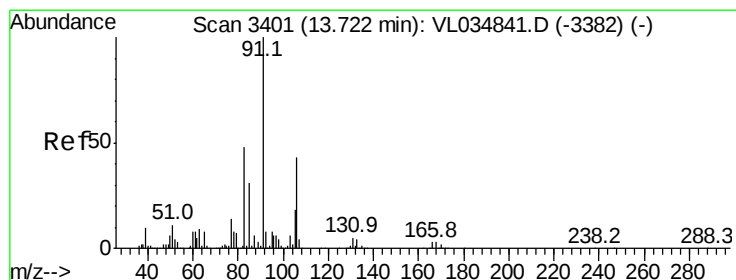
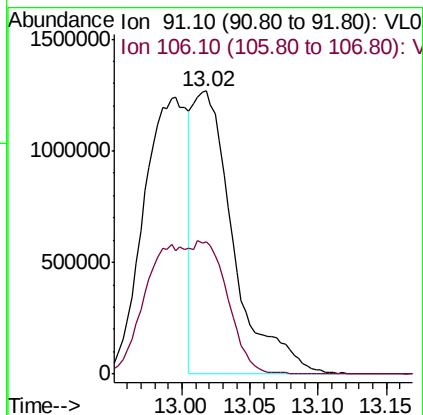
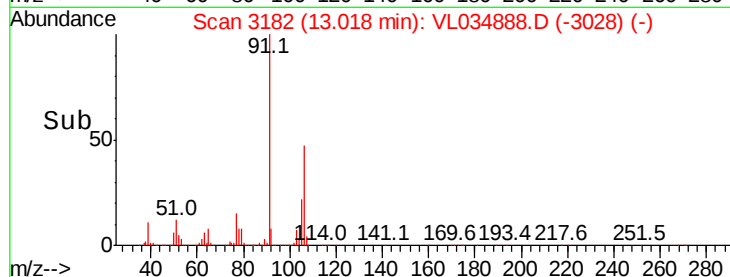
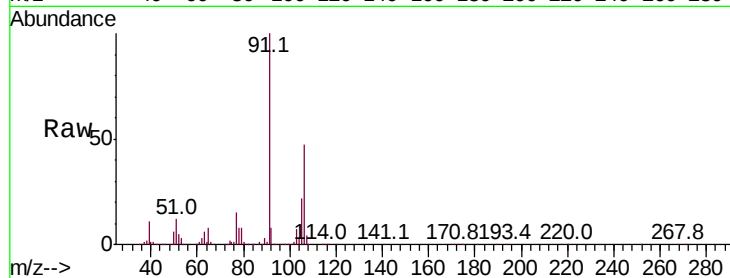
VL0316ABSD01

Tot Ion: 91 Resp: 2610408

Ion Ratio Lower Upper

91 100

106 90.6 37.1 55.7#



#60

o-Xylene

Concen: 10.319 ppbv

RT: 13.71 min Scan# 3398

Delta R.T. -0.01 min

Lab File: VL034888.D

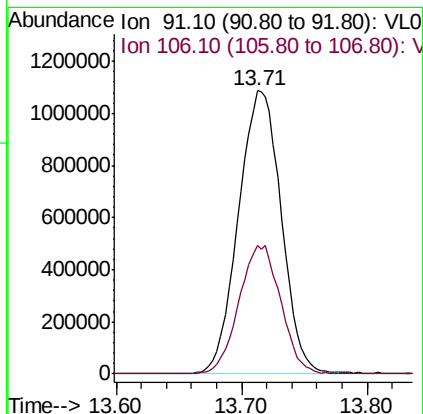
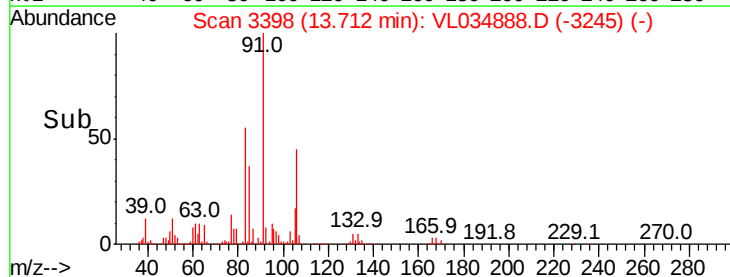
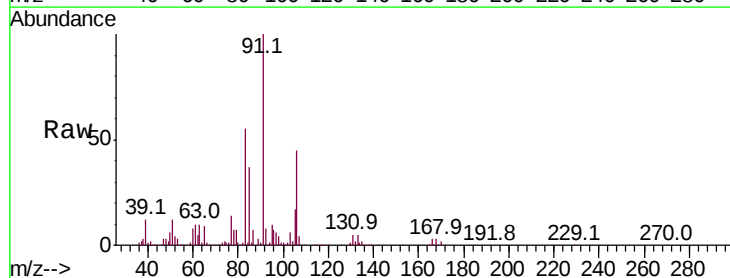
Acq: 16 Mar 2020 13:23

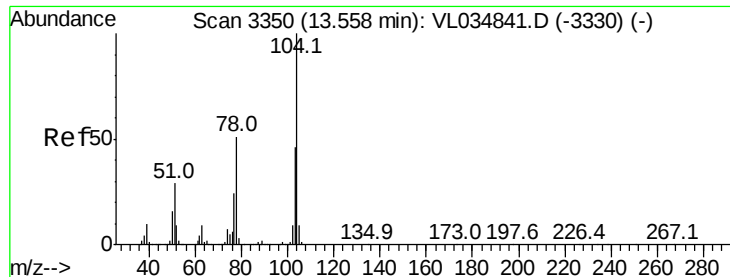
Tgt Ion: 91 Resp: 2565453

Ion Ratio Lower Upper

91 100

106 44.6 22.5 67.5





#61

Stvrene

Concen: 10.823 ppbv

RT: 13.55 min Scan# 3347

Delta R.T. -0.01 min

Lab File: VL034888.D

Acq: 16 Mar 2020 13:23

Instrument :

MSVOA_L

ClientSampleId :

VL0316ABSD01

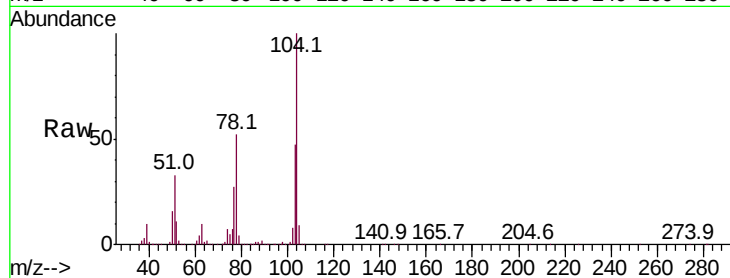
Tot Ion:104 Resp: 1888438

Ion Ratio Lower Upper

104 100

78 53.4 41.8 62.6

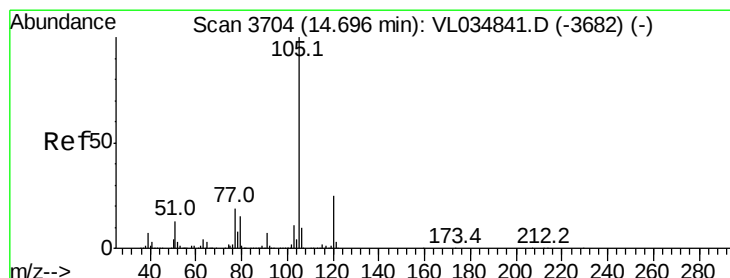
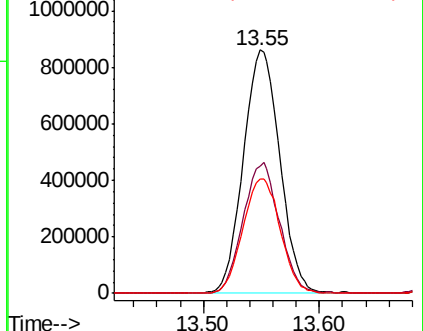
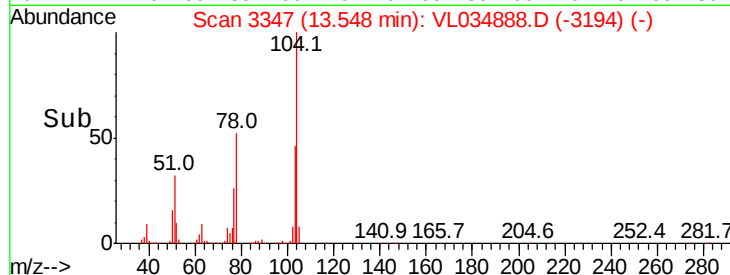
103 48.2 37.8 56.6



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 10.086 ppbv

RT: 14.69 min Scan# 3703

Delta R.T. -0.00 min

Lab File: VL034888.D

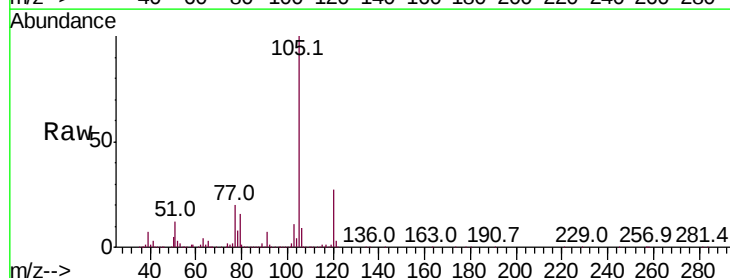
Acq: 16 Mar 2020 13:23

Tgt Ion:105 Resp: 3791600

Ion Ratio Lower Upper

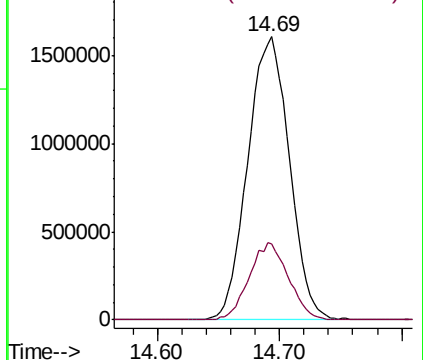
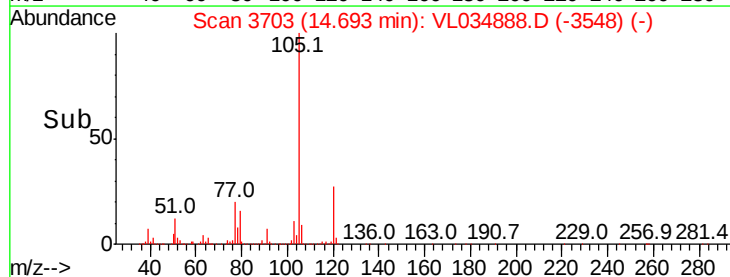
105 100

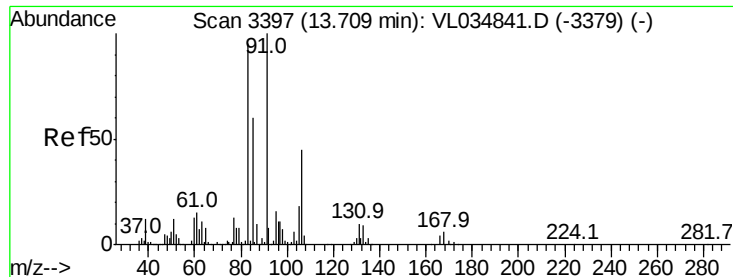
120 25.7 21.0 31.4



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: 10.793 ppbv

RT: 13.70 min Scan# 3395

Delta R.T. -0.01 min

Lab File: VL034888.D

Acq: 16 Mar 2020 13:23

Instrument :

MSVOA_L

ClientSampleId :

VL0316ABSD01

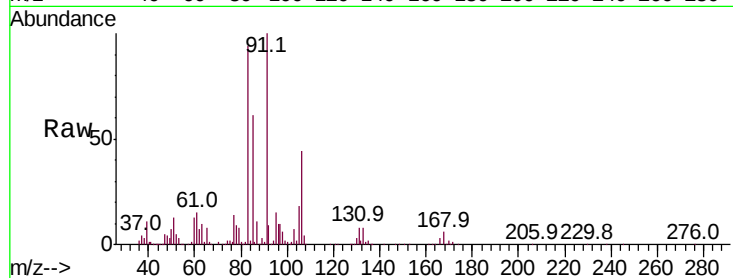
Tot Ion: 83 Resp: 1821698

Ion Ratio Lower Upper

83 100

131 9.3 5.0 14.9

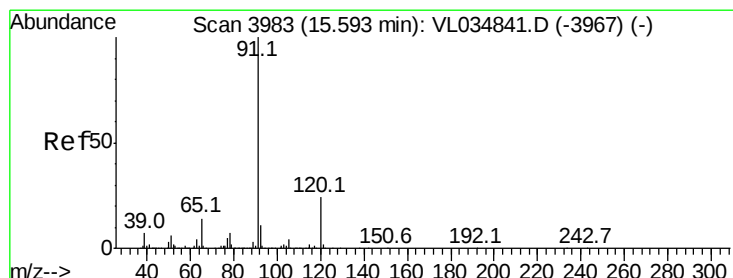
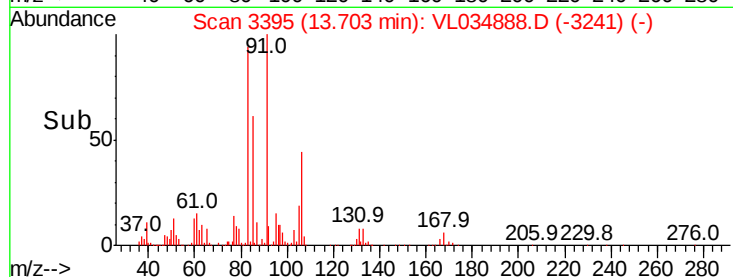
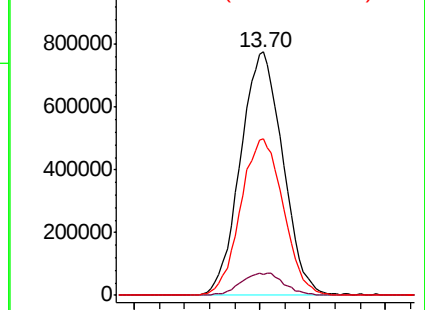
85 65.0 32.4 97.2



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 10.306 ppbv

RT: 15.59 min Scan# 3981

Delta R.T. -0.01 min

Lab File: VL034888.D

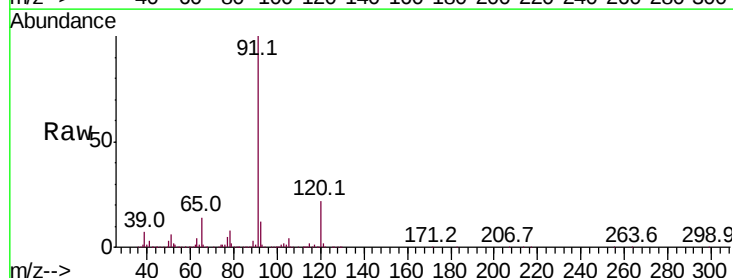
Acq: 16 Mar 2020 13:23

Tgt Ion:120 Resp: 1008368

Ion Ratio Lower Upper

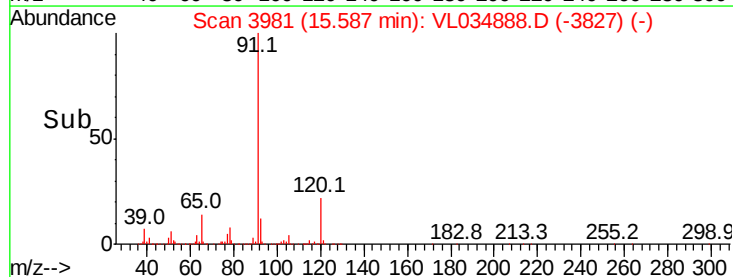
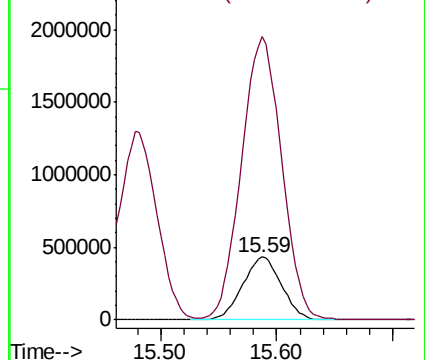
120 100

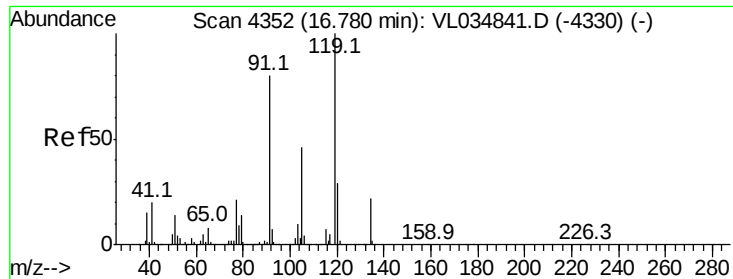
91 468.4 360.9 541.3



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 10.079 ppbv

RT: 16.77 min Scan# 4350

Delta R.T. -0.01 min

Lab File: VL034888.D

Acq: 16 Mar 2020 13:23

Instrument :

MSVOA_L

ClientSampleId :

VL0316ABSD01

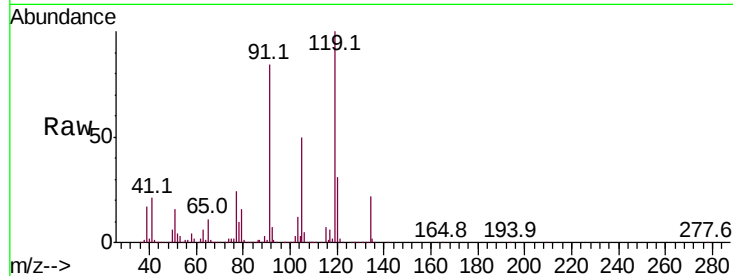
Tot Ion:119 Resp: 3312269

Ion Ratio Lower Upper

119 100

91 84.3 64.9 97.3

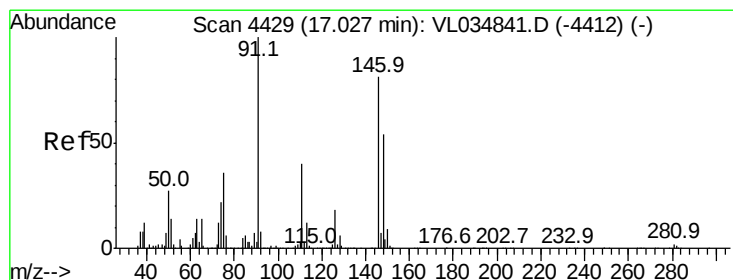
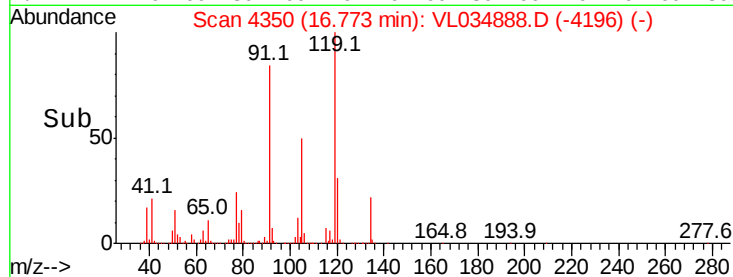
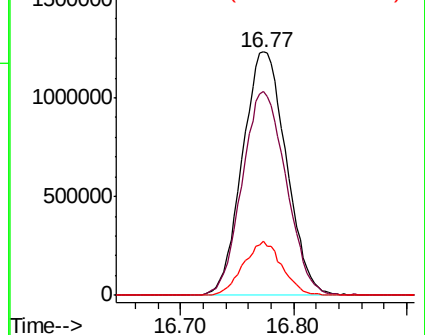
134 19.6 15.9 23.9



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 9.860 ppbv

RT: 17.02 min Scan# 4427

Delta R.T. -0.01 min

Lab File: VL034888.D

Acq: 16 Mar 2020 13:23

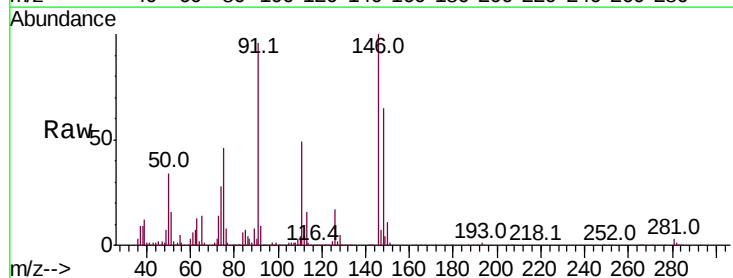
Tgt Ion: 91 Resp: 1351168

Ion Ratio Lower Upper

91 100

126 16.9 14.7 22.1

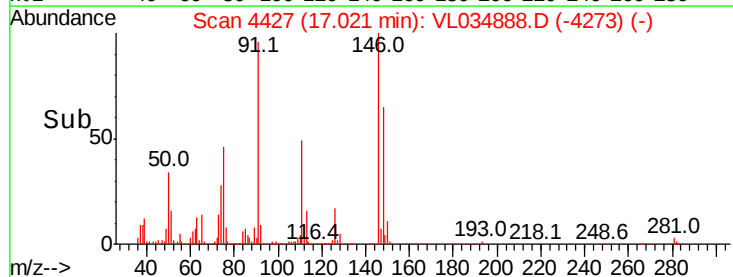
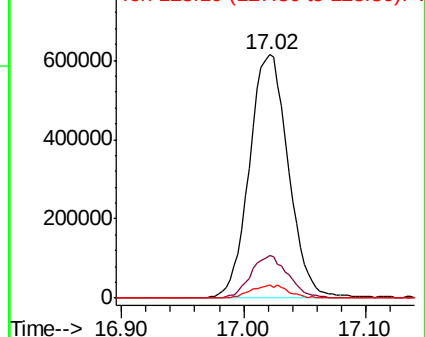
128 5.3 4.7 7.1

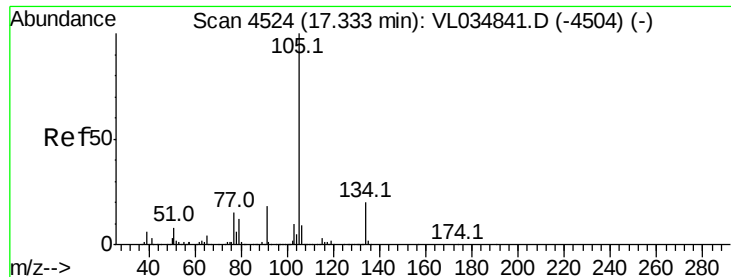


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 10.445 ppbv

RT: 17.33 min Scan# 4522

Delta R.T. -0.01 min

Lab File: VL034888.D

Acq: 16 Mar 2020 13:23

Instrument :

MSVOA_L

ClientSampleId :

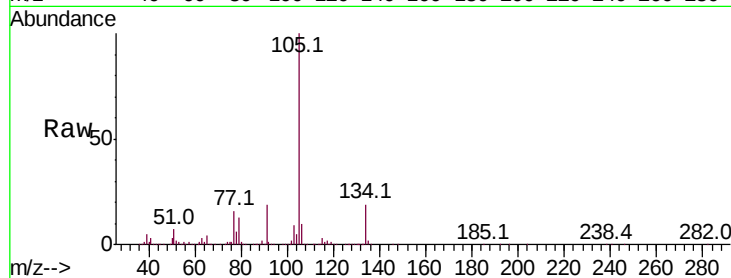
VL0316ABSD01

Tot Ion:105 Resp: 4759475

Ion Ratio Lower Upper

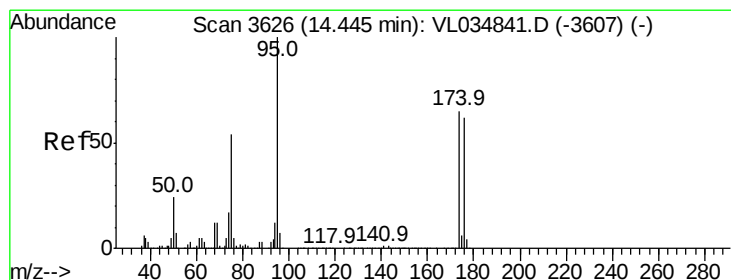
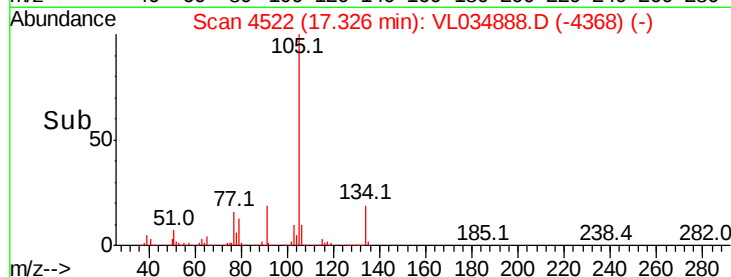
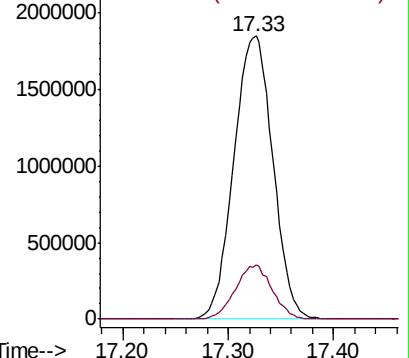
105 100

134 18.1 15.0 22.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.127 ppbv

RT: 14.44 min Scan# 3624

Delta R.T. -0.01 min

Lab File: VL034888.D

Acq: 16 Mar 2020 13:23

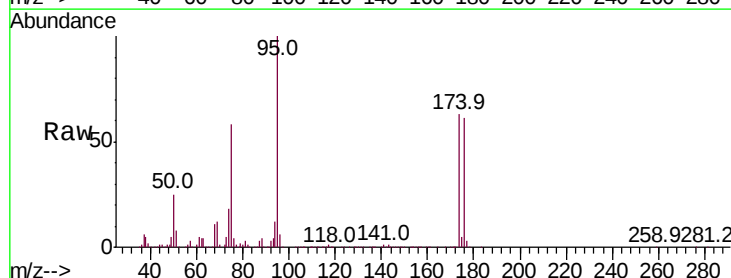
Tgt Ion: 95 Resp: 1772589

Ion Ratio Lower Upper

95 100

174 65.8 55.2 82.8

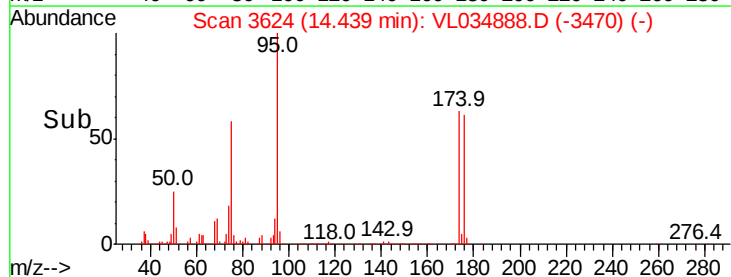
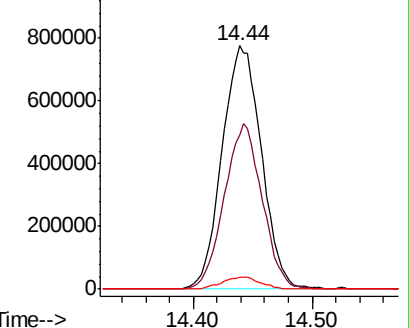
175 4.9 4.3 6.5

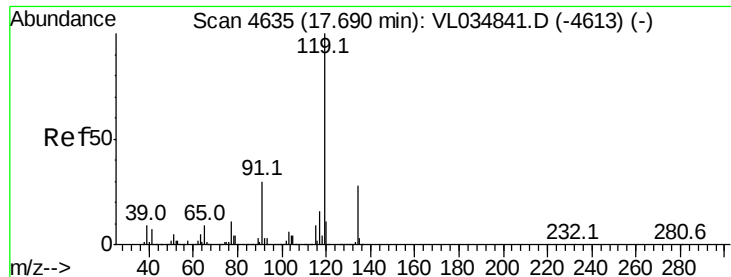


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V



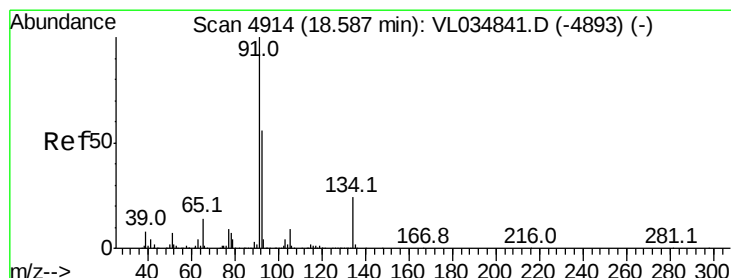
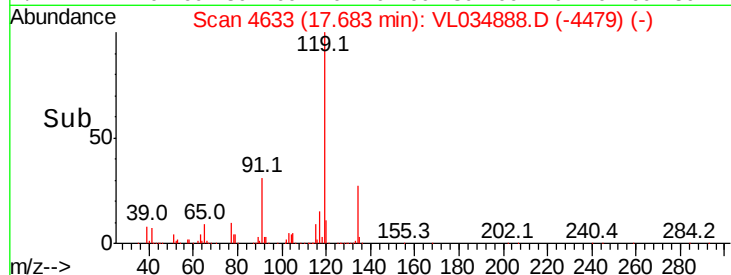
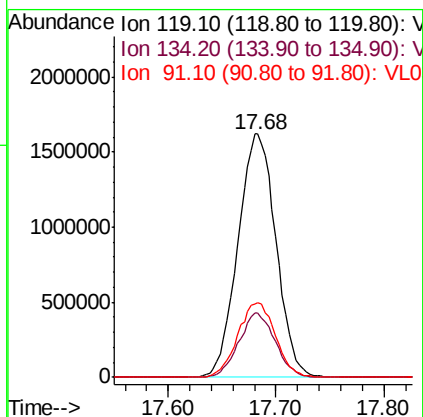
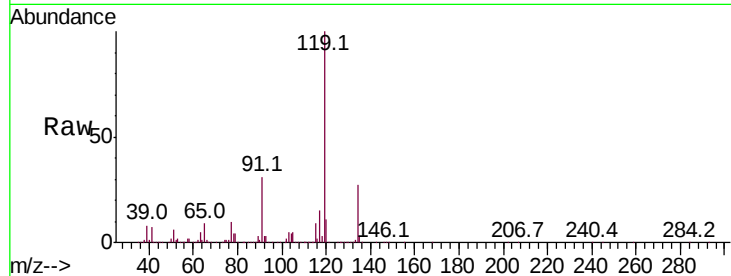


#69
 p-Isopropyltoluene
 Concen: 10.368 ppbv
 RT: 17.68 min Scan# 4633
 Delta R.T. -0.01 min
 Lab File: VL034888.D
 Acq: 16 Mar 2020 13:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0316ABSD01

Tot Ion:119 Resp: 3961547

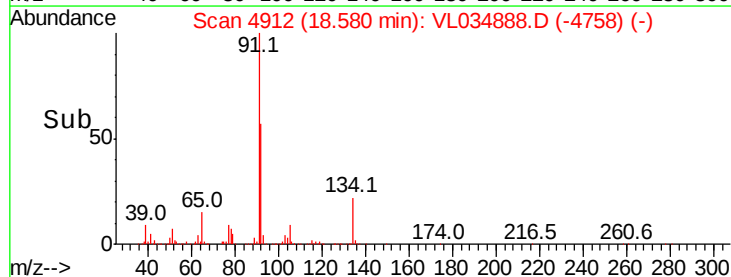
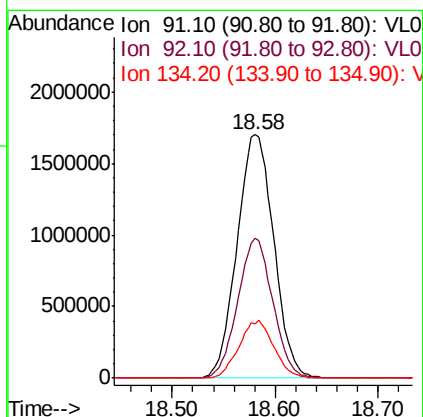
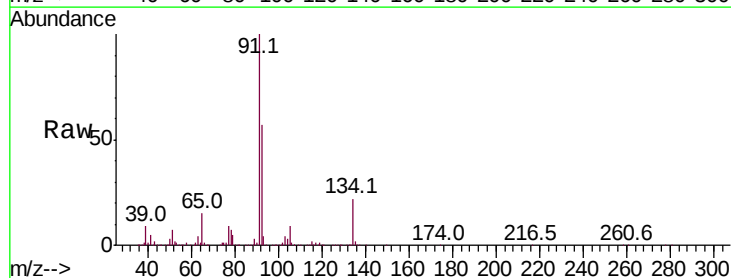
Ion	Ratio	Lower	Upper
119	100		
134	25.3	20.6	30.8
91	30.6	23.4	35.2

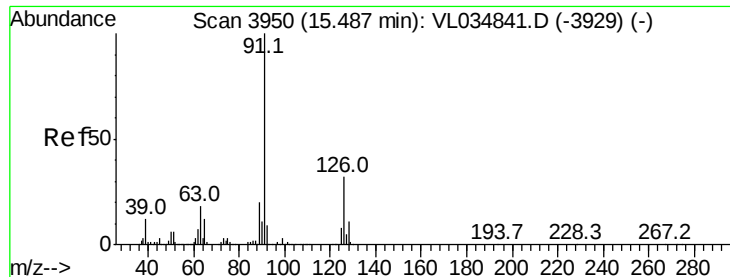


#70
 n-Butylbenzene
 Concen: 10.804 ppbv
 RT: 18.58 min Scan# 4912
 Delta R.T. -0.01 min
 Lab File: VL034888.D
 Acq: 16 Mar 2020 13:23

Tgt Ion: 91 Resp: 4212101

Ion	Ratio	Lower	Upper
91	100		
92	54.9	43.8	65.6
134	22.4	19.0	28.4





#71

2-Chlorotoluene

Concen: 10.564 ppbv

RT: 15.48 min Scan# 3947

Delta R.T. -0.01 min

Lab File: VL034888.D

Acq: 16 Mar 2020 13:23

Instrument :

MSVOA_L

ClientSampleId :

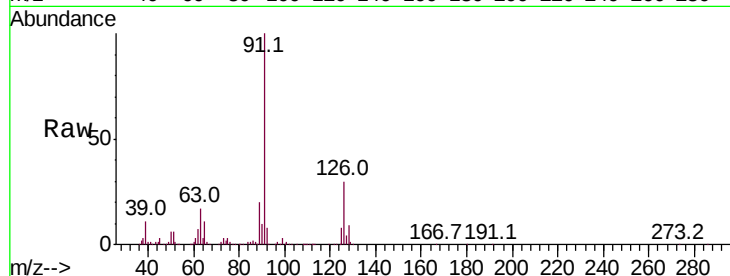
VL0316ABSD01

Tot Ion: 91 Resp: 3007530

Ion Ratio Lower Upper

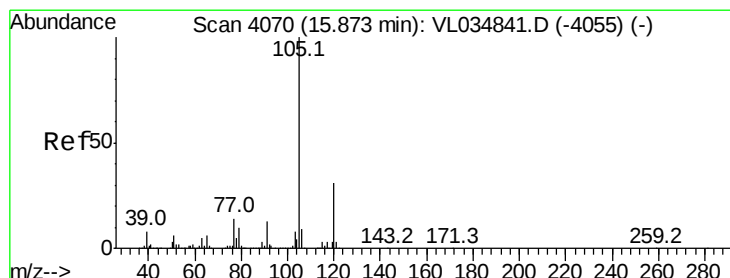
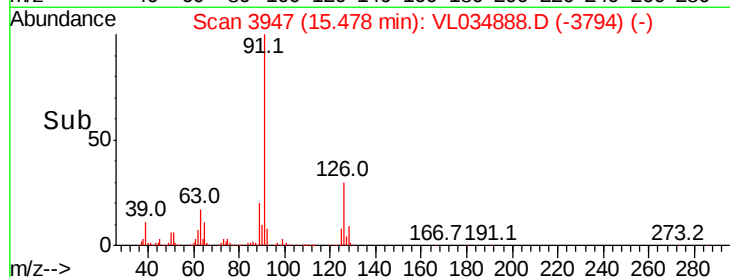
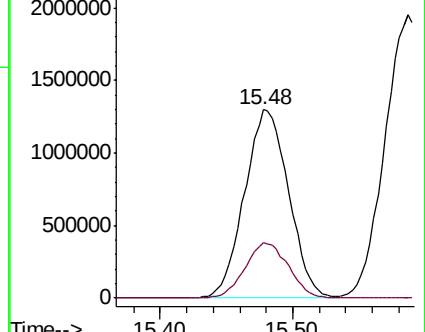
91 100

126 29.1 12.3 49.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 10.535 ppbv

RT: 15.87 min Scan# 4068

Delta R.T. -0.01 min

Lab File: VL034888.D

Acq: 16 Mar 2020 13:23

Tgt Ion:105 Resp: 3093193

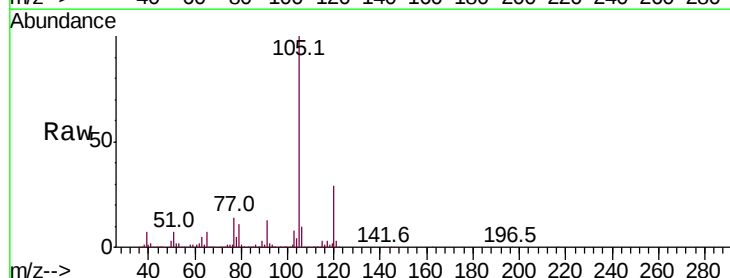
Ion Ratio Lower Upper

105 100

120 30.3 23.7 35.5

91 13.6 10.5 15.7

77 14.2 11.1 16.7

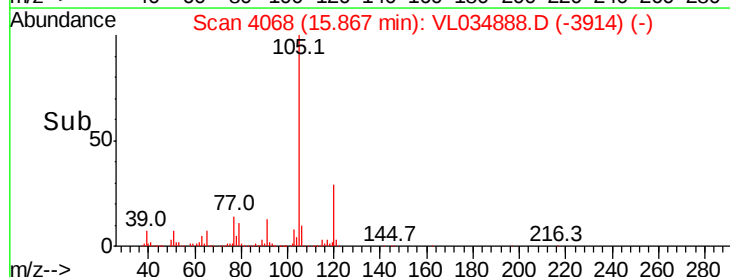
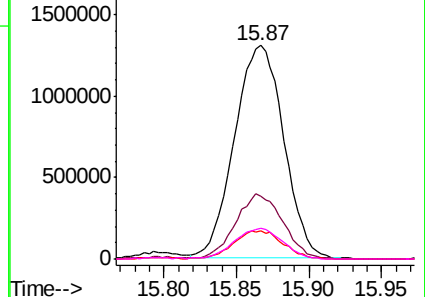


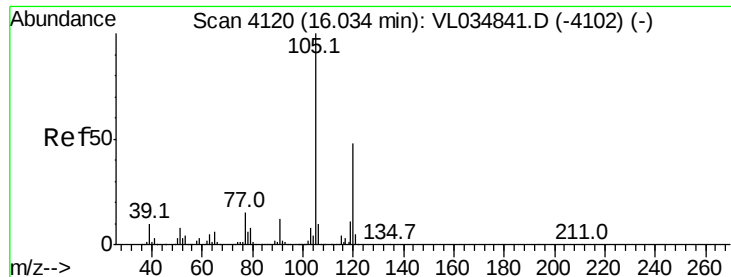
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 10.579 ppbv

RT: 16.02 min Scan# 4117

Delta R.T. -0.01 min

Lab File: VL034888.D

Acq: 16 Mar 2020 13:23

Instrument :

MSVOA_L

ClientSampleId :

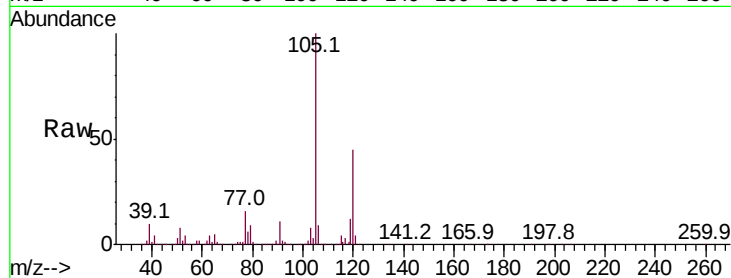
VL0316ABSD01

Tot Ion:105 Resp: 2907766

Ion Ratio Lower Upper

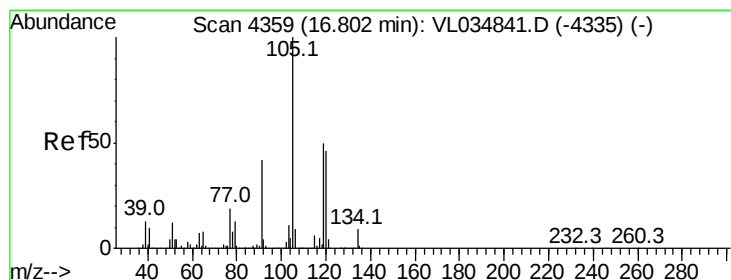
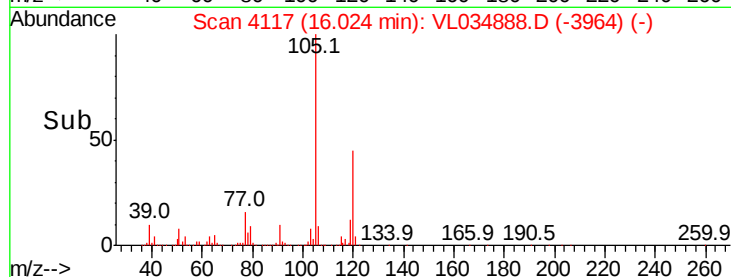
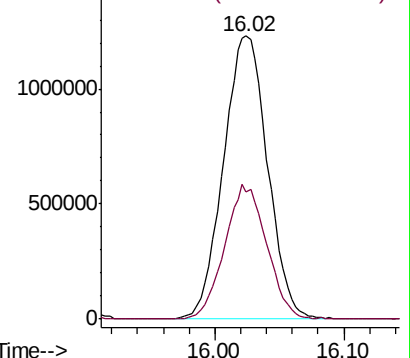
105 100

120 44.9 38.6 58.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 10.553 ppbv

RT: 16.79 min Scan# 4356

Delta R.T. -0.01 min

Lab File: VL034888.D

Acq: 16 Mar 2020 13:23

Tgt Ion:105 Resp: 2988208

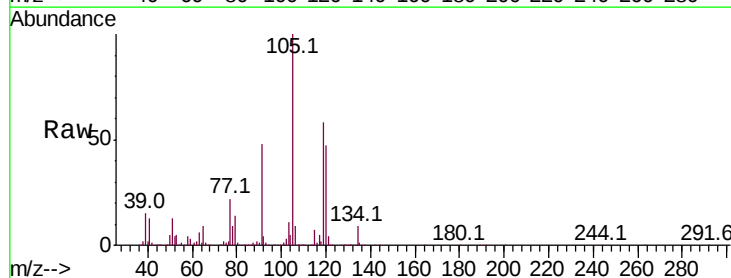
Ion Ratio Lower Upper

105 100

120 46.9 37.0 55.4

91 47.9 33.8 50.6

77 22.1 15.4 23.0

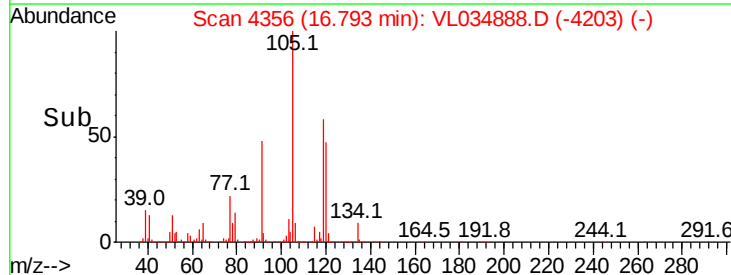
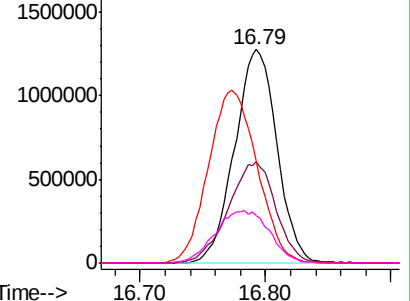


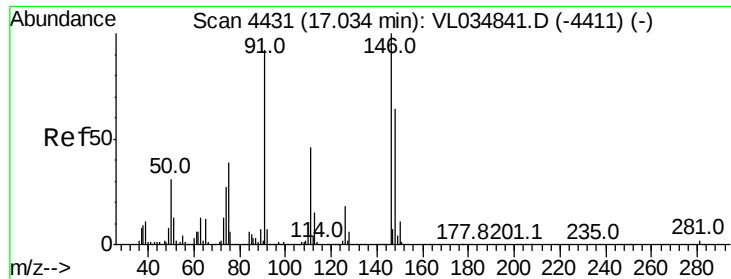
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#75

1,3-Dichlorobenzene

Concen: 10.121 ppbv

RT: 17.03 min Scan# 4429

Delta R.T. -0.01 min

Lab File: VL034888.D

Acq: 16 Mar 2020 13:23

Instrument :

MSVOA_L

ClientSampleId :

VL0316ABSD01

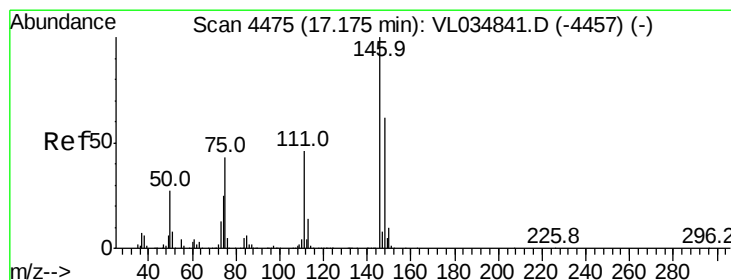
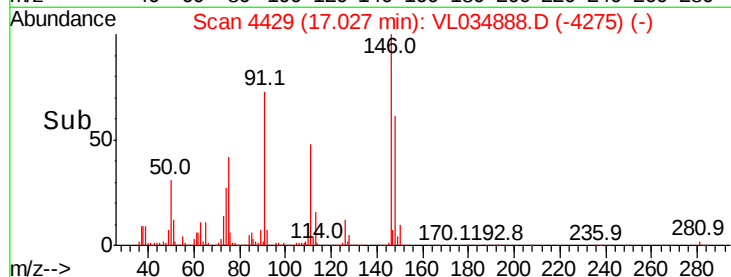
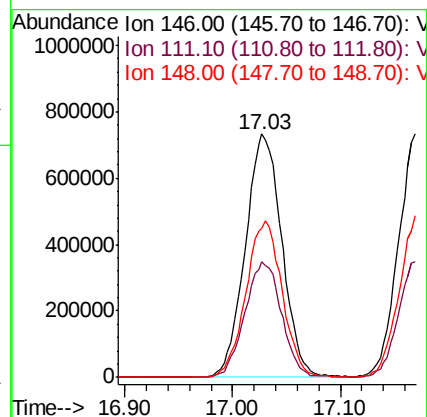
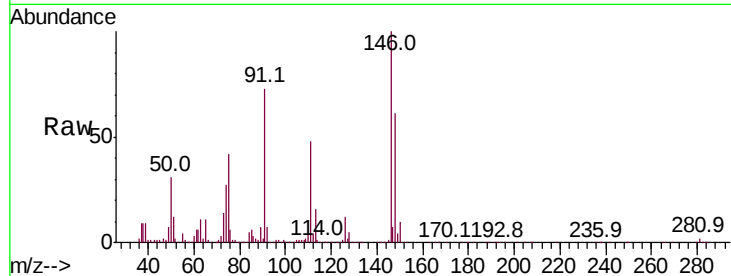
Tot Ion:146 Resp: 1728083

Ion Ratio Lower Upper

146 100

111 47.8 23.9 71.7

148 63.8 32.5 97.5



#76

1,4-Dichlorobenzene

Concen: 10.065 ppbv

RT: 17.17 min Scan# 4473

Delta R.T. -0.01 min

Lab File: VL034888.D

Acq: 16 Mar 2020 13:23

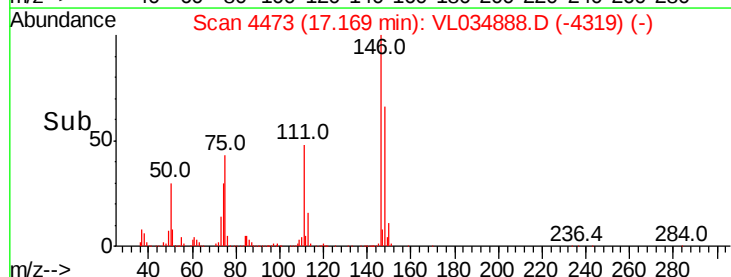
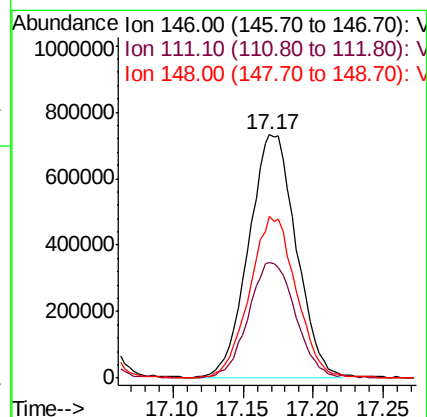
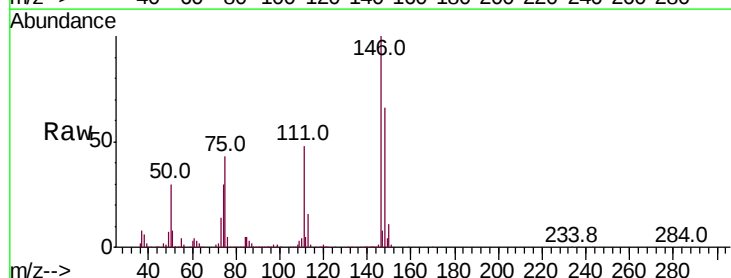
Tgt Ion:146 Resp: 1714946

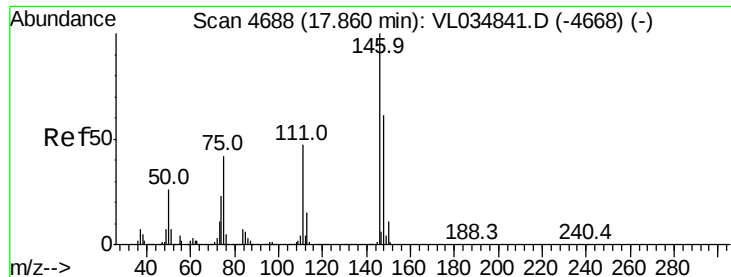
Ion Ratio Lower Upper

146 100

111 47.9 23.4 70.2

148 66.0 32.3 96.9

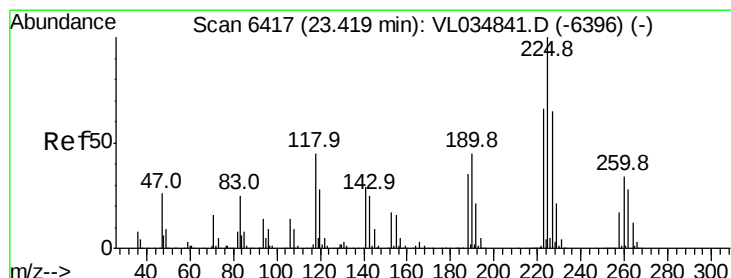
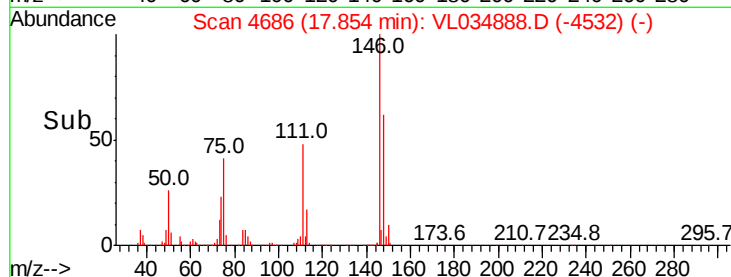
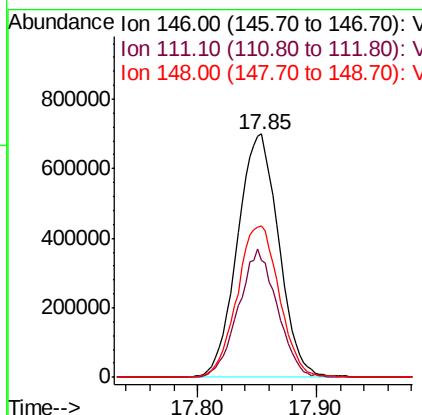
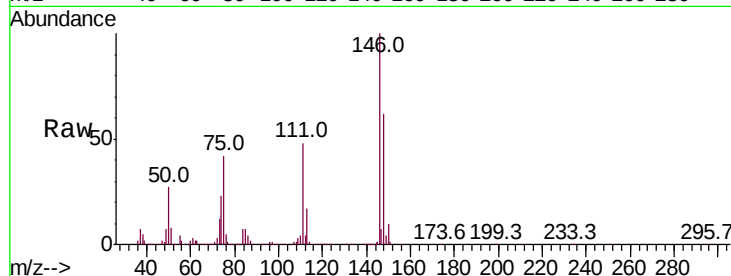




#77
 1,2-Dichlorobenzene
 Concen: 10.172 ppbv
 RT: 17.85 min Scan# 4686
 Delta R.T. -0.01 min
 Lab File: VL034888.D
 Acq: 16 Mar 2020 13:23

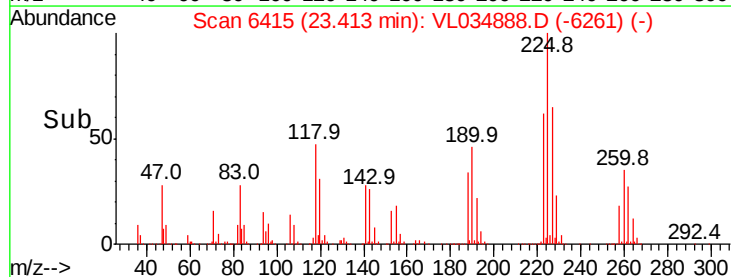
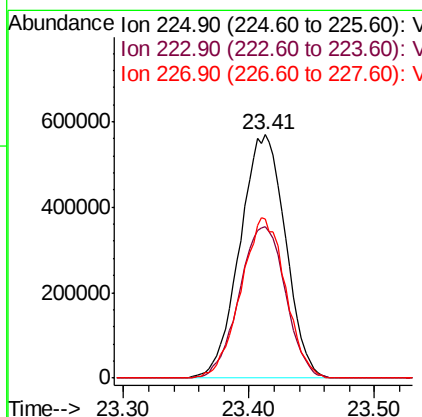
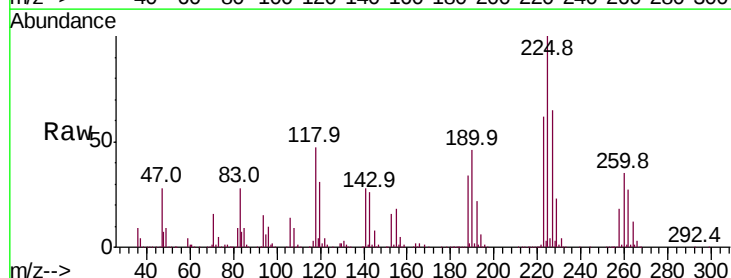
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0316ABSD01

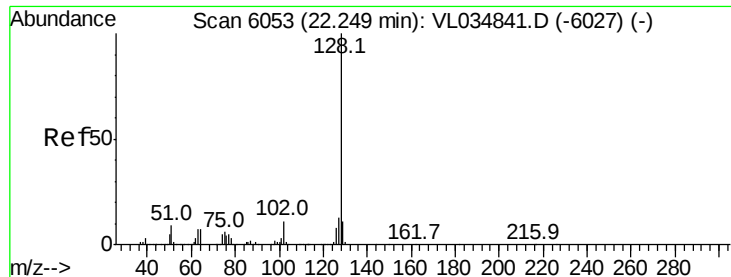
Tot Ion:146 Resp: 1683519
 Ion Ratio Lower Upper
 146 100
 111 49.4 23.8 71.4
 148 63.5 31.6 94.8



#78
 Hexachloro-1,3-Butadiene
 Concen: 10.411 ppbv
 RT: 23.41 min Scan# 6415
 Delta R.T. -0.01 min
 Lab File: VL034888.D
 Acq: 16 Mar 2020 13:23

Tgt Ion:225 Resp: 1439213
 Ion Ratio Lower Upper
 225 100
 223 63.1 51.1 76.7
 227 64.5 51.8 77.6





#79

Naphthalene

Concen: 12.936 ppbv

RT: 22.25 min Scan# 6052

Delta R.T. -0.00 min

Lab File: VL034888.D

Acq: 16 Mar 2020 13:23

Instrument :

MSVOA_L

ClientSampleId :

VL0316ABSD01

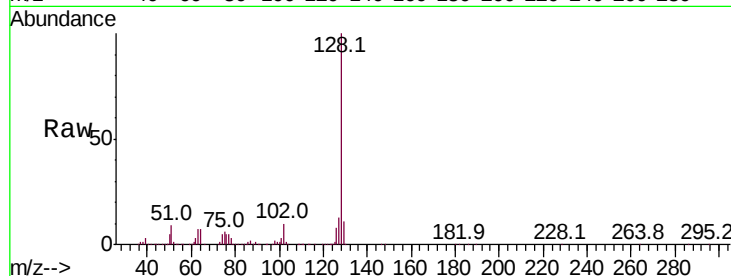
Tot Ion:128 Resp: 2856758

Ion Ratio Lower Upper

128 100

127 13.3 10.2 15.2

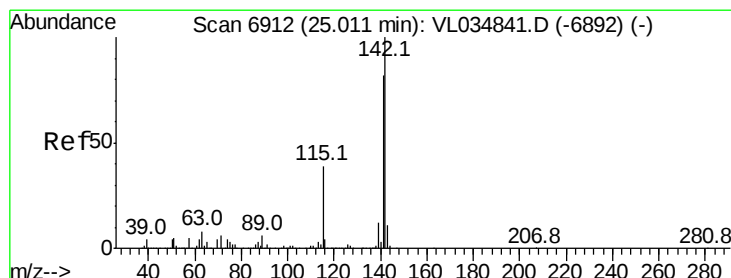
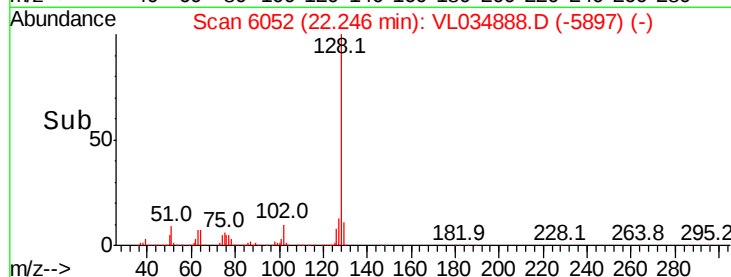
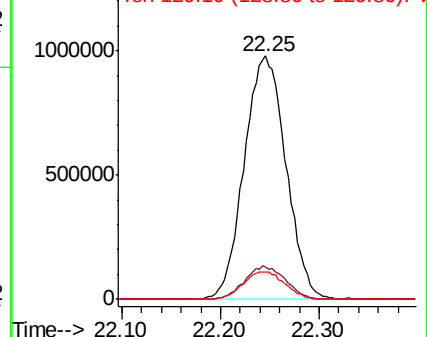
129 11.3 8.6 13.0



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: 20.851 ppbv

RT: 25.00 min Scan# 6909

Delta R.T. -0.01 min

Lab File: VL034888.D

Acq: 16 Mar 2020 13:23

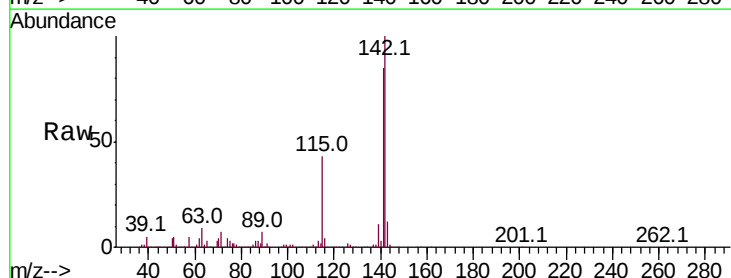
Tgt Ion:142 Resp: 1203318

Ion Ratio Lower Upper

142 100

141 85.4 68.9 103.3

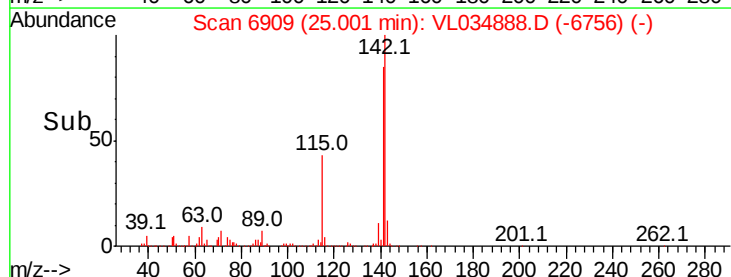
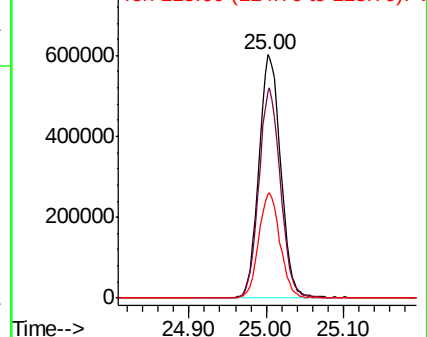
115 42.4 33.2 49.8

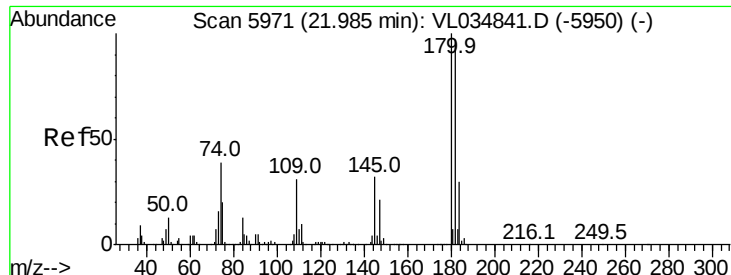


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 11.624 ppbv

RT: 21.97 min Scan# 5966

Delta R.T. -0.02 min

Lab File: VL034888.D

Acq: 16 Mar 2020 13:23

Instrument :

MSVOA_L

ClientSampleId :

VL0316ABSD01

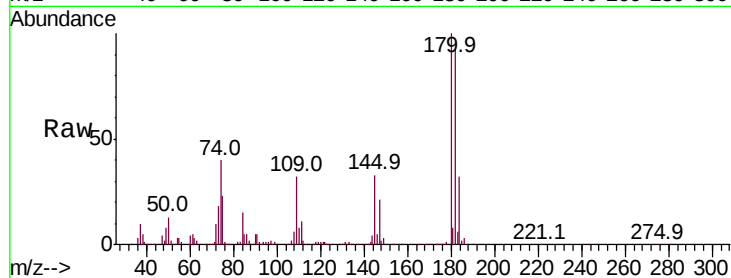
Tot Ion:180 Resp: 1630833

Ion Ratio Lower Upper

180 100

182 96.6 76.6 115.0

184 31.3 25.0 37.4



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

