

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL010220\
 Data File : VL034545.D
 Acq On : 2 Jan 2020 13:22
 Operator : SY/AP
 Sample : VL0102ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0102ABS01

Manual Integrations
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 1/3/2020 11:37:48 AM

Quant Time: Jan 03 05:33:00 2020

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL123019AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 3

QLast Update : Mon Dec 30 14:58:50 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	974185	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	1955718	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.13	117	2047256	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.47	95	1648201	9.65	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.50%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.01	85	1329530	8.654	ppbv	99
3) Chlorodifluoromethane	2.95	51	1097318	9.454	ppbv	99
4) Chloromethane	3.11	50	579224	8.401	ppbv	99
5) Vinyl Chloride	3.22	62	573533	8.495	ppbv	98
6) Bromomethane	3.45	94	334383	9.950	ppbv	95
7) Chloroethane	3.53	64	212630	9.038	ppbv	95
8) Dichlorotetrafluoroethane	3.16	85	1381623	8.966	ppbv	99
9) Propene	2.98	41	406857	9.092	ppbv	100
10) Heptane	8.14	43	1108920	9.596	ppbv	100
11) Trichlorofluoromethane	3.93	101	1638119	9.214	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1076569	9.520	ppbv	99
13) Ethanol	3.58	45	114955	9.258	ppbv	98
14) Bromoethene	3.72	108	428979	9.379	ppbv	98
15) Acetone	3.83	43	1158821	8.151	ppbv	99
16) 1,3-Butadiene	3.30	39	525209	9.605	ppbv	98
17) tert-Butyl alcohol	4.28	59	1168070	10.261	ppbv	99
18) 1,1-Dichloroethene	4.27	96	478943	9.723	ppbv	97
19) Isopropyl Alcohol	3.95	45	897867	9.756	ppbv	99
20) Methylene Chloride	4.33	84	415645	7.430	ppbv	99
21) Allyl Chloride	4.40	41	782401	9.575	ppbv	98
22) trans-1,2-Dichloroethene	4.88	96	477799	9.536	ppbv	91
23) Vinyl Acetate	5.07	43	1589528	9.684	ppbv	98
24) 1,1-Dichloroethane	5.01	63	1206057	9.146	ppbv	99
25) Ethyl Acetate	5.68	43	1977619	8.907	ppbv	99
26) Hexane	5.69	57	878107	9.386	ppbv	96
27) Carbon Disulfide	4.54	76	1211517	10.245	ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	1516466	9.705	ppbv	100
29) Chloroform	5.76	83	1473686	9.104	ppbv	98
30) Cyclohexane	7.15	84	677705	9.746	ppbv	99
31) cis-1,2-Dichloroethene	5.55	61	919993	9.650	ppbv	98
32) 1,1,1-Trichloroethane	6.53	97	1527958	9.093	ppbv	100
34) 2-Butanone	5.24	43	1302151	9.317	ppbv	99
35) Carbon Tetrachloride	7.04	117	1634764	9.217	ppbv	100
36) Benzene	6.91	78	1628750	9.554	ppbv	98
37) 1,2-Dichloroethane	6.32	62	1288042	9.304	ppbv	99
38) Trichloroethene	7.86	130	656514	9.533	ppbv	97
39) 1,2-Dichloropropane	7.64	63	662622	9.452	ppbv	94
40) 1,4-Dioxane	7.85	88	266587	9.396	ppbv #	98
41) Tetrahydrofuran	6.05	42	703755	9.816	ppbv	98
42) Bromodichloromethane	7.82	83	1626929	9.551	ppbv	96
43) Methyl Methacrylate	8.04	69	695769	10.005	ppbv	99

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 ClientSampleId :
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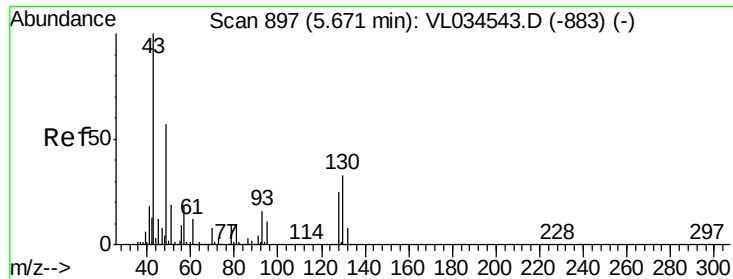
Manual Integrations
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 1/3/2020 11:37:48 AM

Quant Time: Jan 03 05:33:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL123019AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 3
 QLast Update : Mon Dec 30 14:58:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	2943516	9.334	ppbv	100
45) t-1,3-Dichloropropene	9.31	75	923961	10.314	ppbv	97
46) cis-1,3-Dichloropropene	8.73	75	1044376	10.199	ppbv	100
47) 1,1,2-Trichloroethane	9.51	97	706607	9.144	ppbv	97
48) Dibromochloromethane	10.34	129	1365234	10.191	ppbv	99
49) Bromoform	13.09	173	1223635	10.090	ppbv	100
50) 4-Methyl-2-Pentanone	8.76	43	1958233	9.652	ppbv	100
51) 2-Hexanone	10.17	43	1599927	9.769	ppbv #	100
52) Tetrachloroethene	11.27	164	626436	9.416	ppbv	92
53) Toluene	9.84	91	1873853	10.005	ppbv	99
54) 1,2-Dibromoethane	10.65	107	1132913	10.074	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.17	131	928799	9.398	ppbv	97
57) Chlorobenzene	12.19	112	1514104	8.964	ppbv	98
58) Ethyl Benzene	12.75	91	2679334	9.704	ppbv	98
59) m/p-Xylene	13.04	91	4512631m	18.691	ppbv	
60) o-Xylene	13.74	91	2315660	9.558	ppbv	98
61) Styrene	13.58	104	1598451	9.650	ppbv	99
62) Isopropylbenzene	14.72	105	3020428	9.531	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.73	83	1659126	8.537	ppbv	98
64) n-propylbenzene	15.61	120	793723	9.809	ppbv	99
65) tert-Butylbenzene	16.80	119	2750860	9.608	ppbv	99
66) Benzyl Chloride	17.05	91	1342069	10.695	ppbv	100
67) sec-Butylbenzene	17.35	105	3842440	9.556	ppbv	100
69) p-Isopropyltoluene	17.71	119	3188936	9.779	ppbv	100
70) n-Butylbenzene	18.61	91	3407609	9.684	ppbv	99
71) 2-Chlorotoluene	15.51	91	2388481	9.705	ppbv	99
72) 4-Ethyltoluene	15.89	105	2630725	9.704	ppbv	99
73) 1,3,5-Trimethylbenzene	16.05	105	2567484	9.653	ppbv	99
74) 1,2,4-Trimethylbenzene	16.82	105	2667604	9.376	ppbv	94
75) 1,3-Dichlorobenzene	17.06	146	1511415	8.869	ppbv	98
76) 1,4-Dichlorobenzene	17.20	146	1473219	8.979	ppbv	98
77) 1,2-Dichlorobenzene	17.88	146	1496267	9.343	ppbv	99
78) Hexachloro-1,3-Butadiene	23.44	225	1185948	7.801	ppbv	99
79) Naphthalene	22.28	128	2151866	10.041	ppbv	99
80) Naphthalene, 2-methyl-	25.03	142	502318	8.461	ppbv #	92
81) 1,2,4-Trichlorobenzene	22.01	180	1239593	8.883	ppbv	100

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



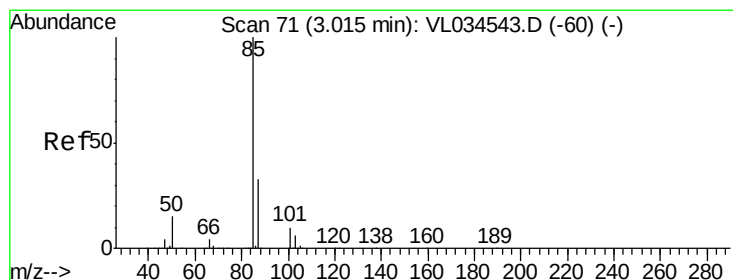
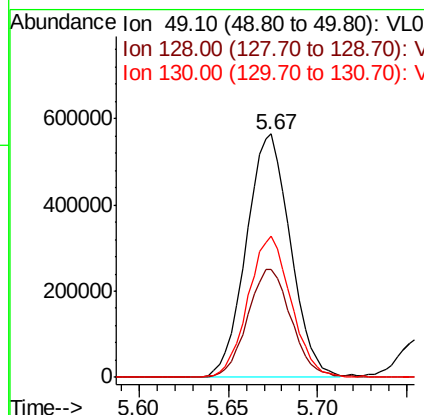
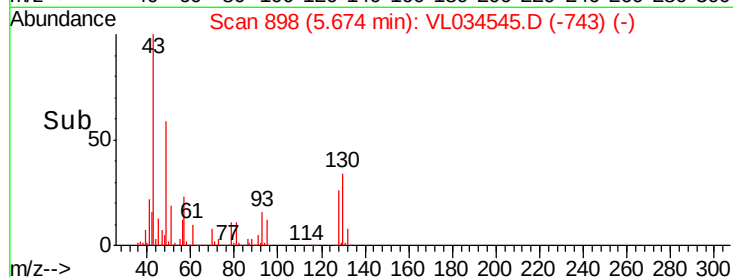
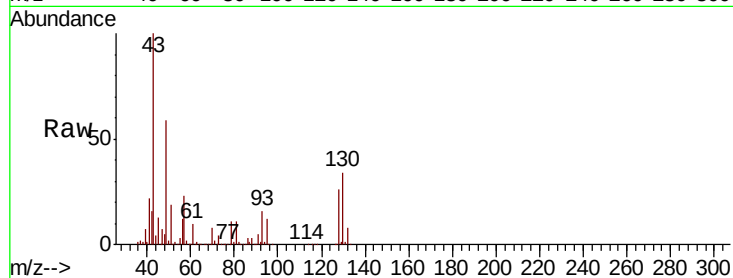
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.67 min Scan# 898
 Delta R.T. -0.00 min
 Lab File: VL034545.D
 Acq: 2 Jan 2020 13:22

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0102ABS01

Tot Ion	Ratio	Lower	Upper
49	100		
128	44.3	22.4	67.2
130	56.8	28.3	85.0

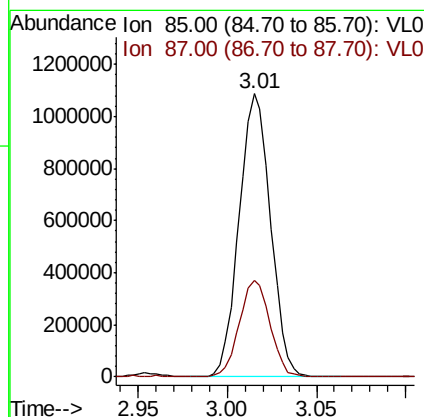
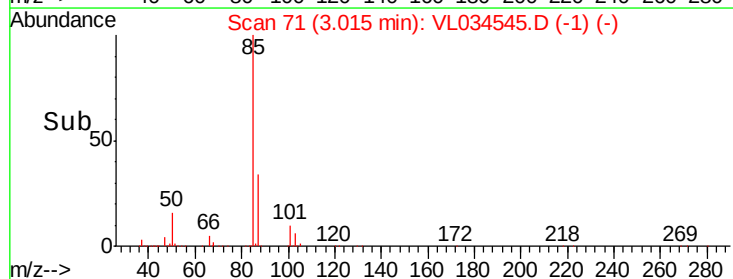
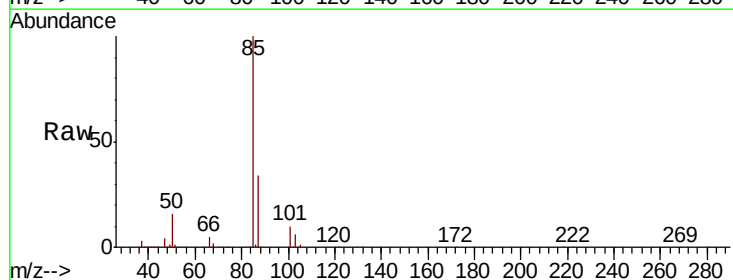
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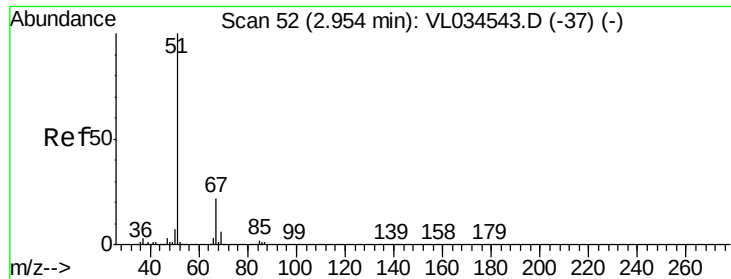
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#2
 Dichlorodifluoromethane
 Concen: 8.654 ppbv
 RT: 3.01 min Scan# 71
 Delta R.T. -0.00 min
 Lab File: VL034545.D
 Acq: 2 Jan 2020 13:22

Tgt Ion	Ratio	Lower	Upper
85	100		
87	34.2	27.9	41.9





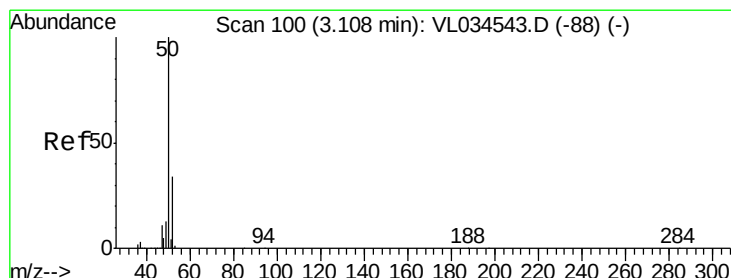
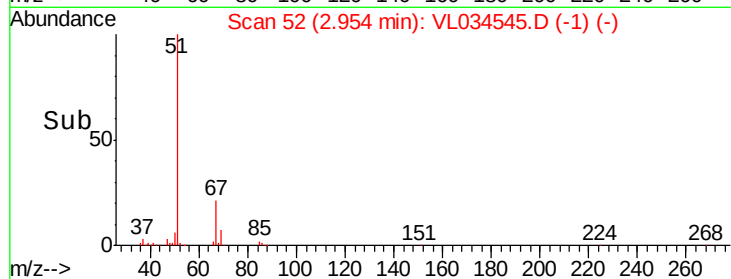
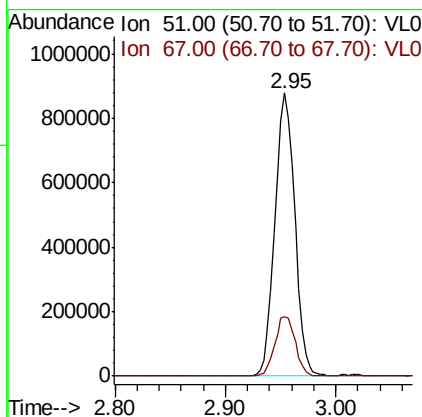
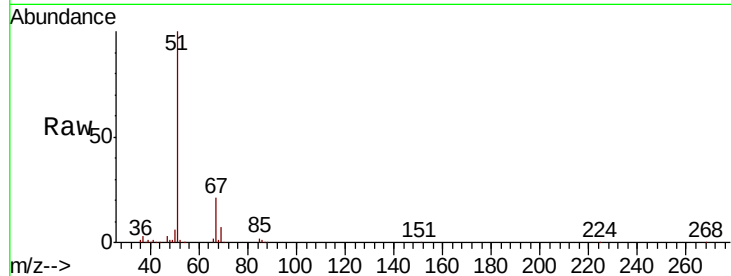
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Chlorodifluoromethane
Concen: 9.454 ppbv
RT: 2.95 min Scan# 52
Delta R.T. -0.00 min
Lab File: VL034545.D
Acq: 2 Jan 2020 13:22

Instrument :
MSVOA_L
ClientSampleId :
VL0102ABS01

Tot Ion: 51 Resp: 1097318
Ion Ratio Lower Upper
51 100
67 21.6 16.8 25.2

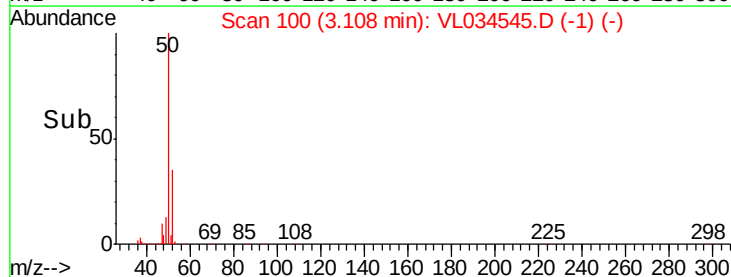
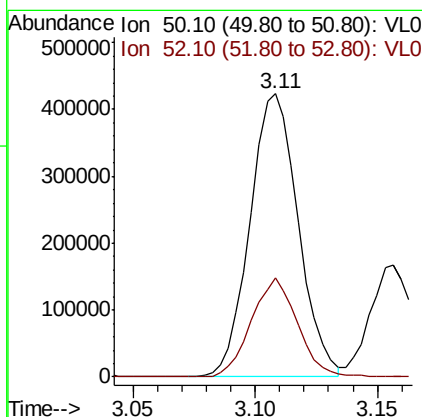
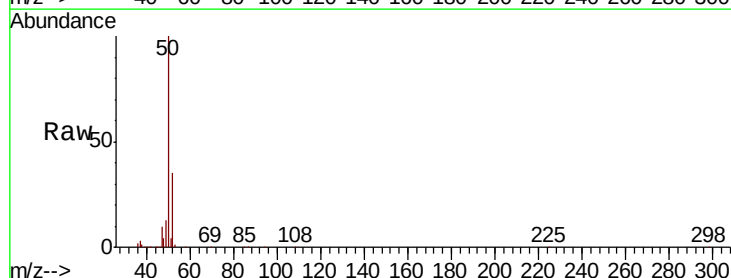
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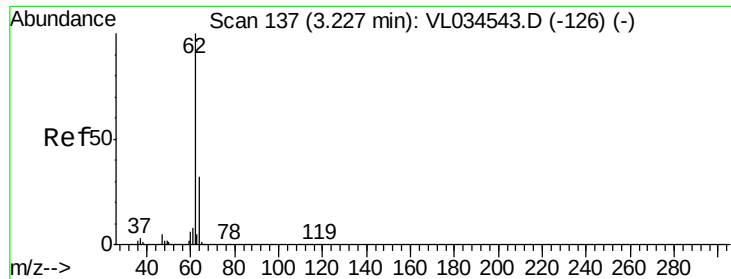
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#4
Chloromethane
Concen: 8.401 ppbv
RT: 3.11 min Scan# 100
Delta R.T. -0.00 min
Lab File: VL034545.D
Acq: 2 Jan 2020 13:22

Tgt Ion: 50 Resp: 579224
Ion Ratio Lower Upper
50 100
52 35.2 27.6 41.4





#5

Vinyl Chloride

Concen: 8.495 ppbv

RT: 3.22 min Scan# 136

Delta R.T. -0.00 min

Lab File: VL034545.D

Acq: 2 Jan 2020 13:22

Instrument :

MSVOA_L

ClientSampleID :

VL0102ABS01

Tot Ion: 62 Resp: 573533

Ion Ratio Lower Upper

62 100

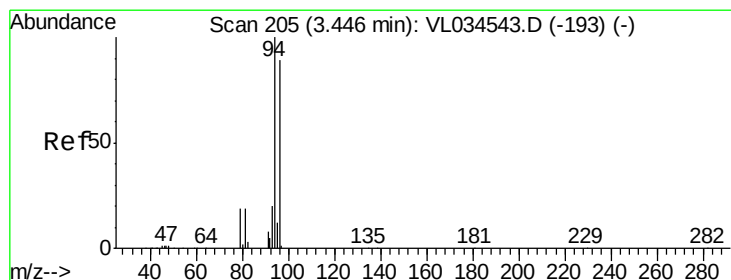
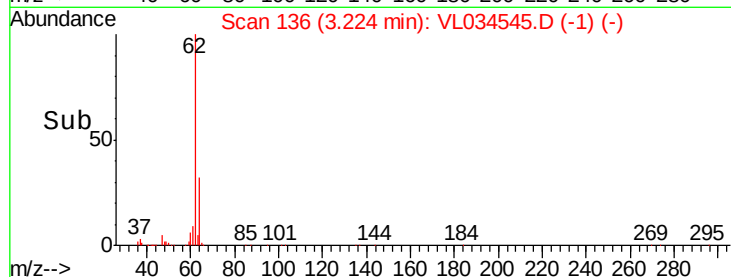
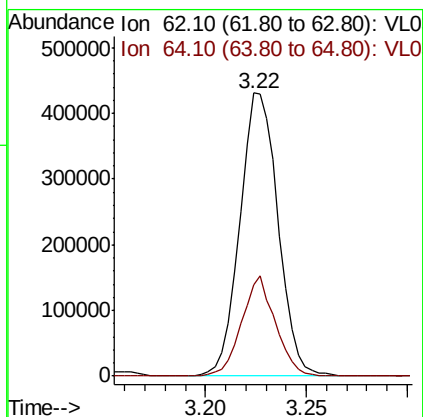
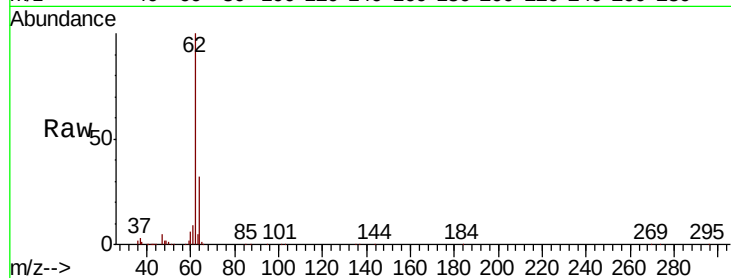
64 32.4 24.9 37.3

Manual Integrations

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#6

Bromomethane

Concen: 9.950 ppbv

RT: 3.45 min Scan# 205

Delta R.T. -0.00 min

Lab File: VL034545.D

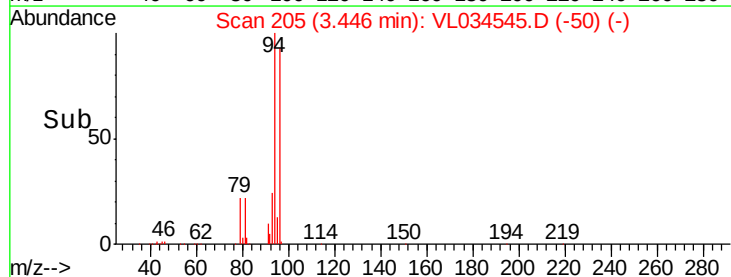
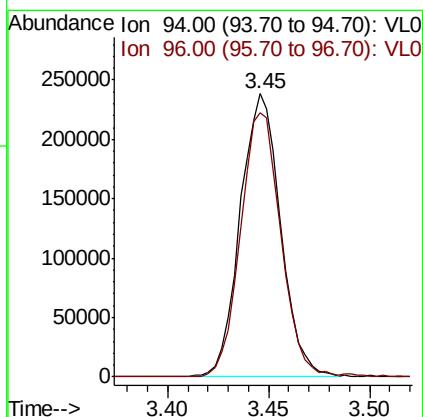
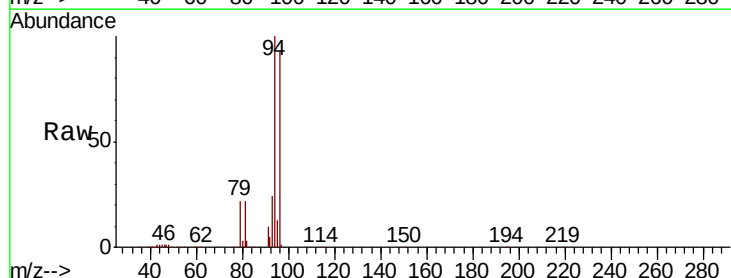
Acq: 2 Jan 2020 13:22

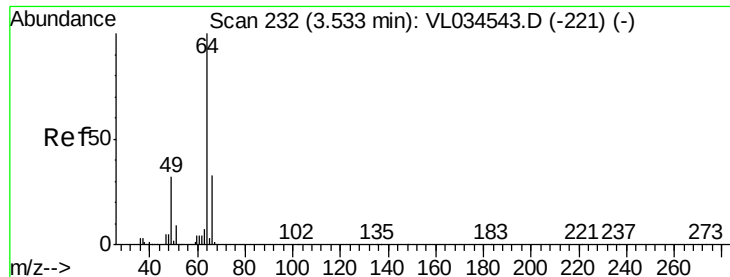
Tgt Ion: 94 Resp: 334383

Ion Ratio Lower Upper

94 100

96 93.3 71.2 106.8





#7

Chloroethane

Concen: 9.038 ppbv

RT: 3.53 min Scan# 232

Delta R.T. -0.00 min

Lab File: VL034545.D

Acq: 2 Jan 2020 13:22

Instrument :

MSVOA_L

ClientSampleId :

VL0102ABS01

Tot Ion: 64 Resp: 212630

Ion Ratio Lower Upper

64 100

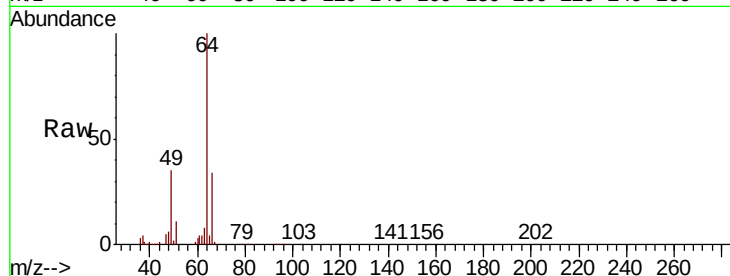
66 33.8 25.0 37.4

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.53

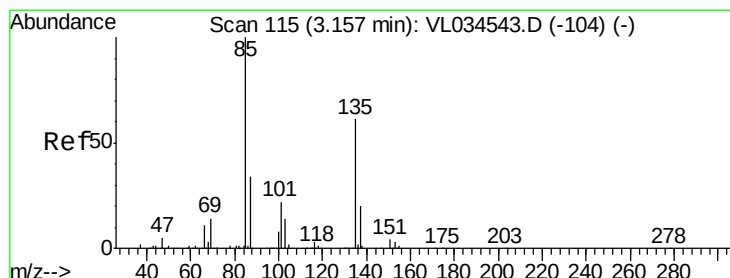
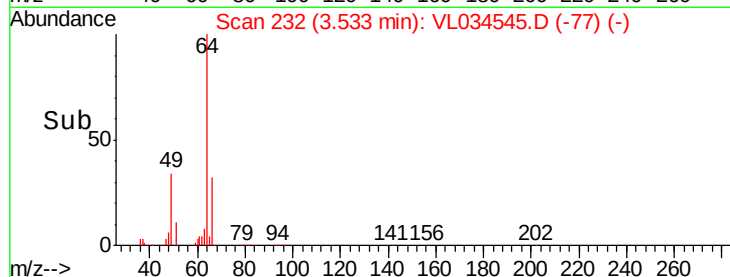
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 8.966 ppbv

RT: 3.16 min Scan# 115

Delta R.T. -0.00 min

Lab File: VL034545.D

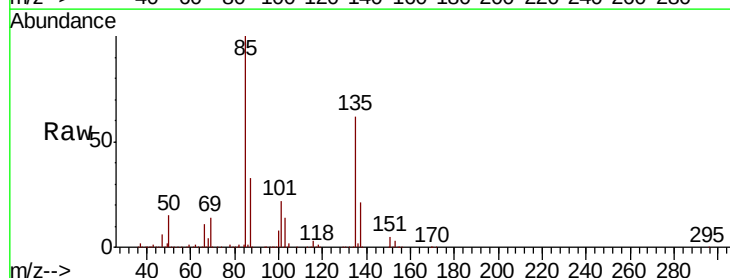
Acq: 2 Jan 2020 13:22

Tgt Ion: 85 Resp: 1381623

Ion Ratio Lower Upper

85 100

135 64.2 51.8 77.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.16

1200000

1000000

800000

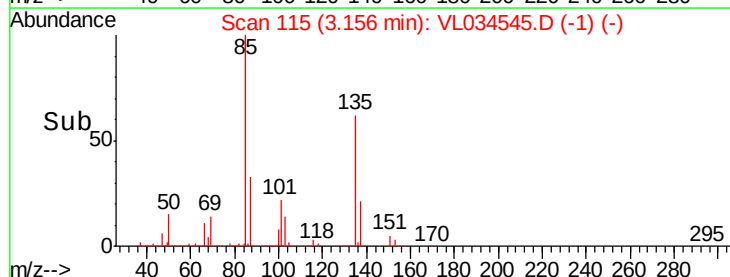
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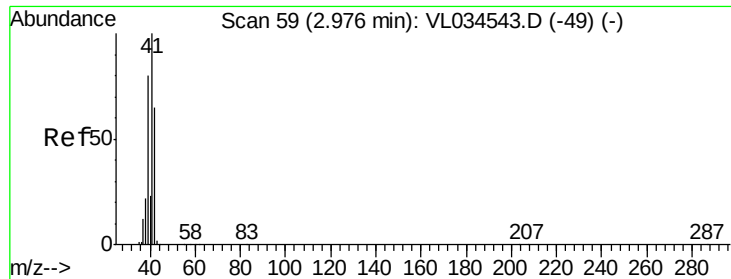
400000

200000

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Time-->





#9

Propene

Concen: 9.092 ppbv

RT: 2.98 min Scan# 59

Delta R.T. -0.00 min

Lab File: VL034545.D

Acq: 2 Jan 2020 13:22

Instrument :

MSVOA_L

ClientSampleId :

VL0102ABS01

Tot Ion: 41 Resp: 406857

Ion Ratio Lower Upper

41 100

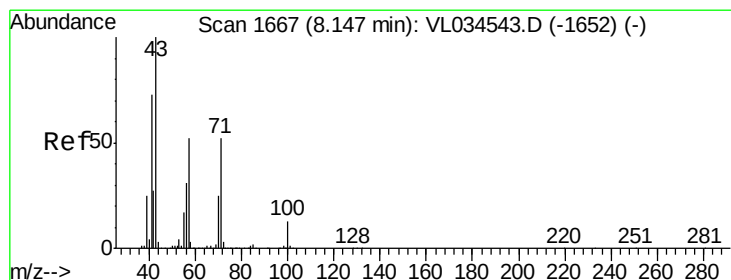
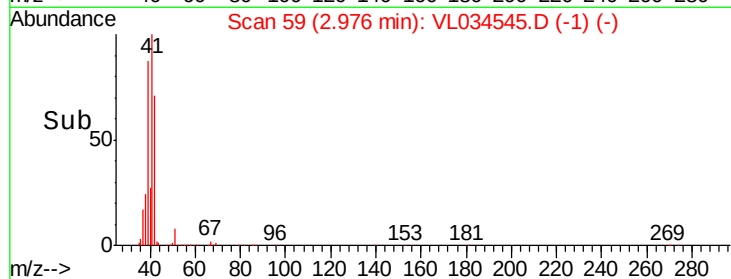
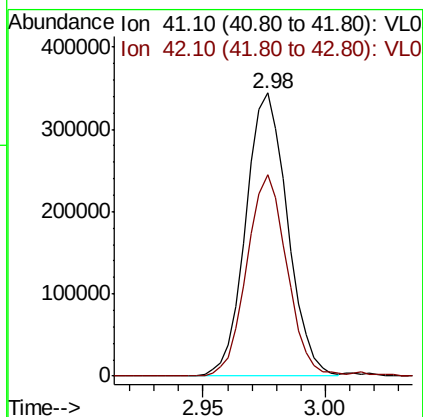
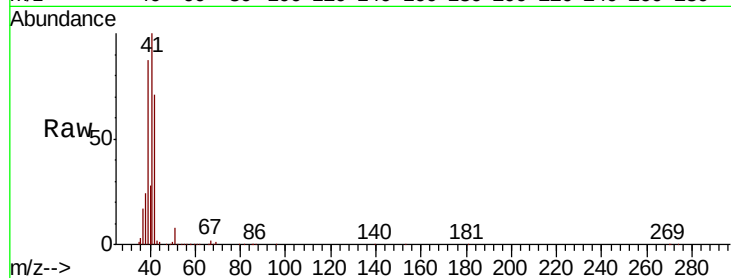
42 69.5 55.8 83.6

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#10

Heptane

Concen: 9.596 ppbv

RT: 8.14 min Scan# 1666

Delta R.T. -0.00 min

Lab File: VL034545.D

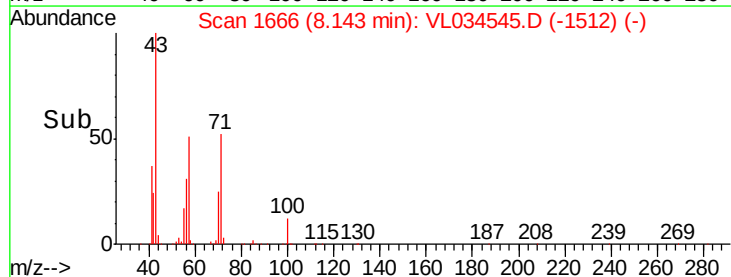
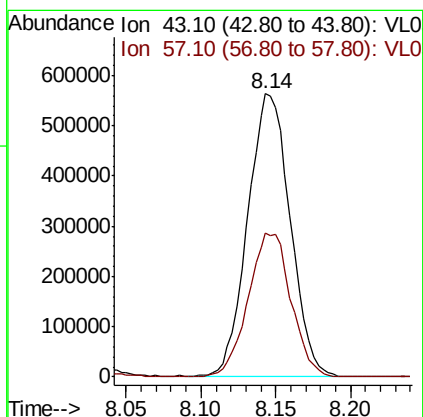
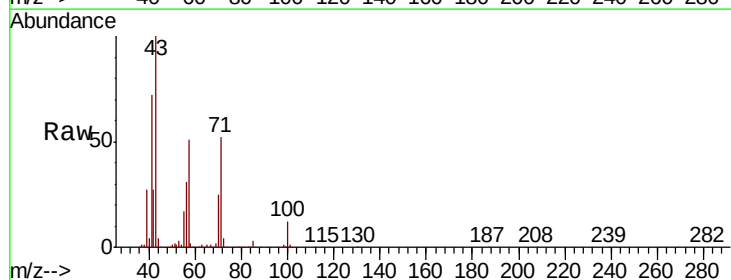
Acq: 2 Jan 2020 13:22

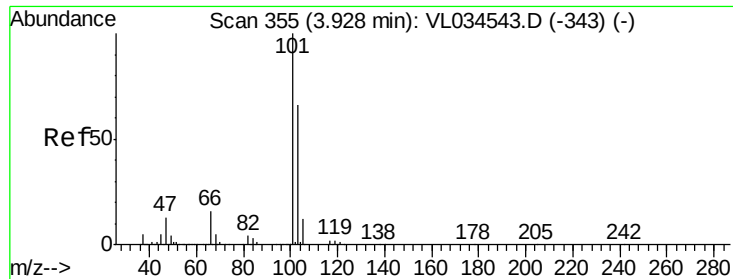
Tgt Ion: 43 Resp: 1108920

Ion Ratio Lower Upper

43 100

57 51.6 41.0 61.6





#11

Trichlorofluoromethane

Concen: 9.214 ppbv

RT: 3.93 min Scan# 355

Delta R.T. -0.00 min

Lab File: VL034545.D

Acq: 2 Jan 2020 13:22

Instrument :

MSVOA_L

ClientSampleId :

VL0102ABS01

Tot Ion:101 Resp: 1638119

Ion Ratio Lower Upper

101 100

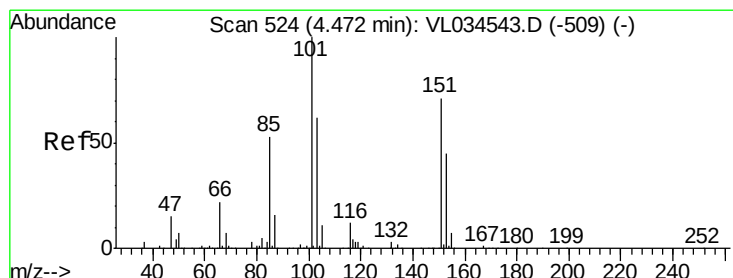
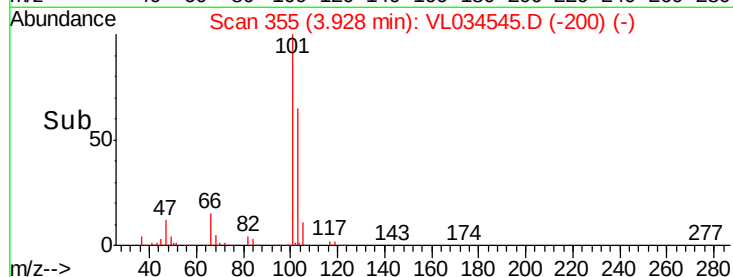
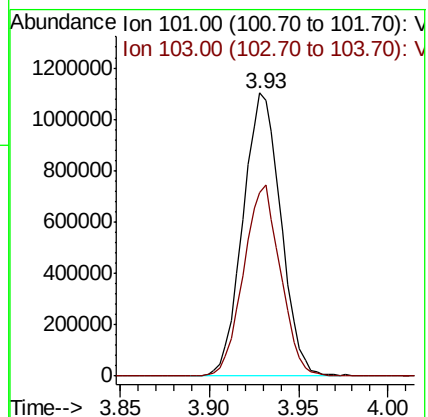
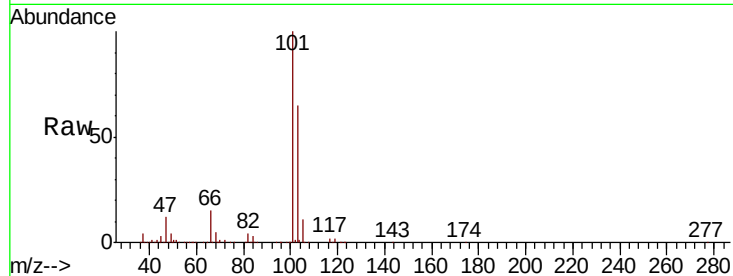
103 64.8 52.1 78.1

Manual Integrations

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#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.520 ppbv

RT: 4.47 min Scan# 524

Delta R.T. -0.00 min

Lab File: VL034545.D

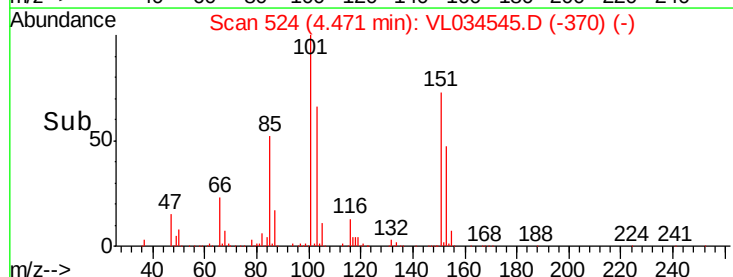
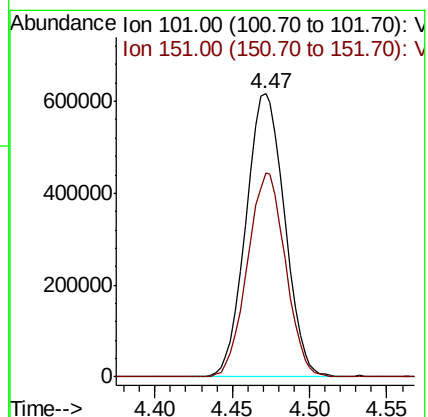
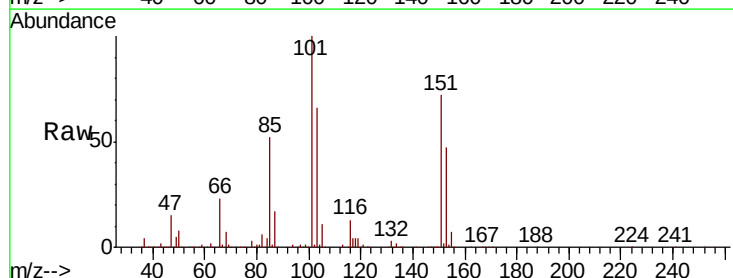
Acq: 2 Jan 2020 13:22

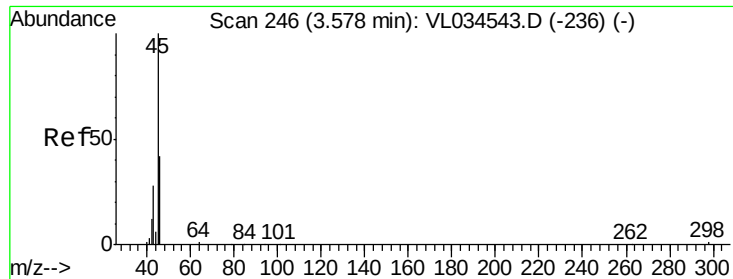
Tgt Ion:101 Resp: 1076569

Ion Ratio Lower Upper

101 100

151 71.0 57.8 86.6





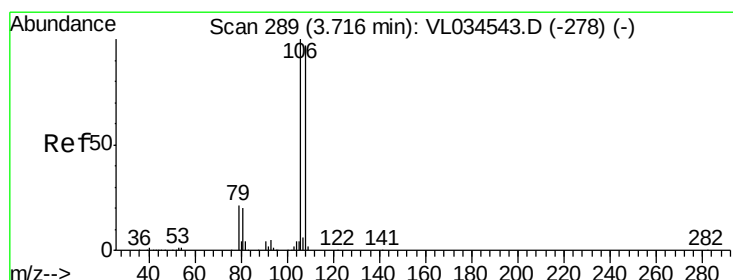
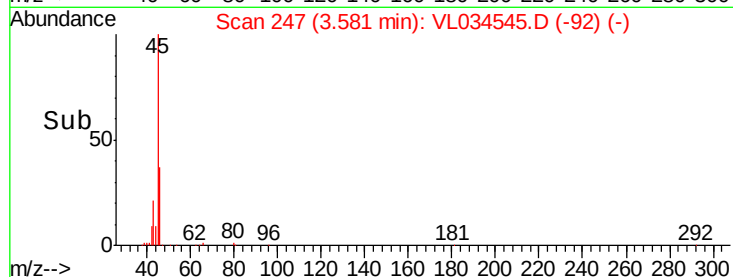
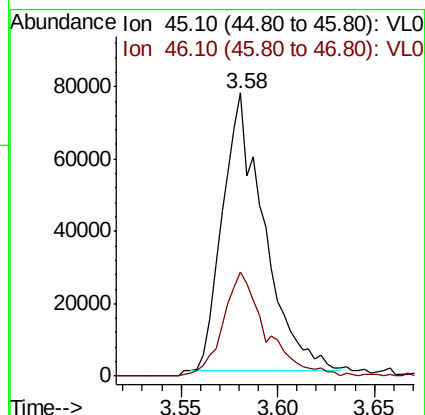
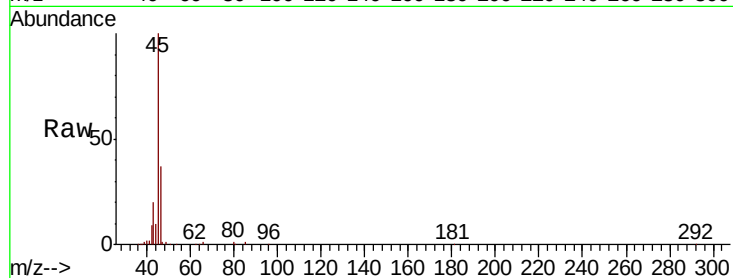
#13
Ethanol
Concen: 9.258 ppbv
RT: 3.58 min Scan# 247
Delta R.T. -0.00 min
Lab File: VL034545.D
Acq: 2 Jan 2020 13:22

Instrument :
MSVOA_L
ClientSampleId :
VL0102ABS01

Tot Ion	45	Resp	114955
Ion Ratio	100	Lower	Upper
45	100		
46	38.7	14.9	59.7

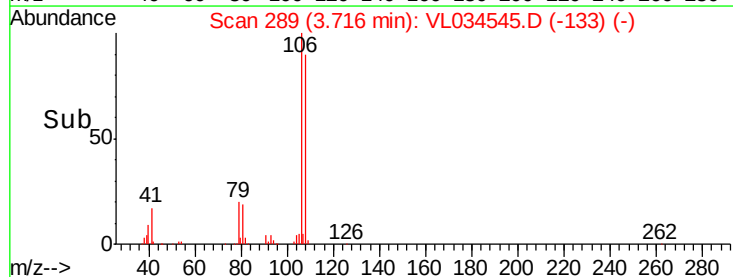
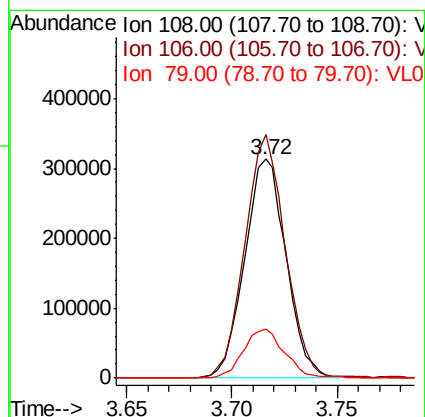
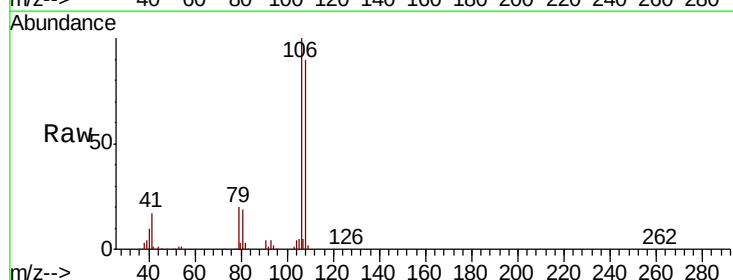
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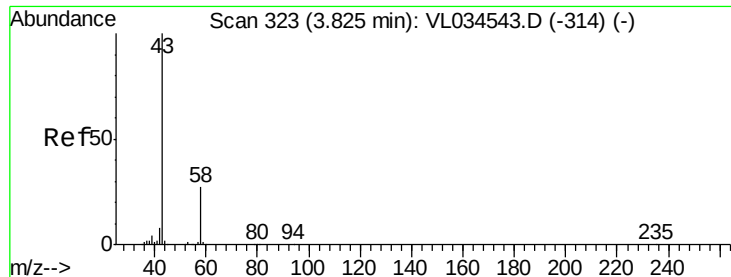
apatel
1/3/2020 11:37:48 AM



#14
Bromoethene
Concen: 9.379 ppbv
RT: 3.72 min Scan# 289
Delta R.T. 0.00 min
Lab File: VL034545.D
Acq: 2 Jan 2020 13:22

Tgt Ion	108	Resp	428979
Ion Ratio	108	100	
106	108.9	85.2	127.8
79	22.5	17.4	26.2





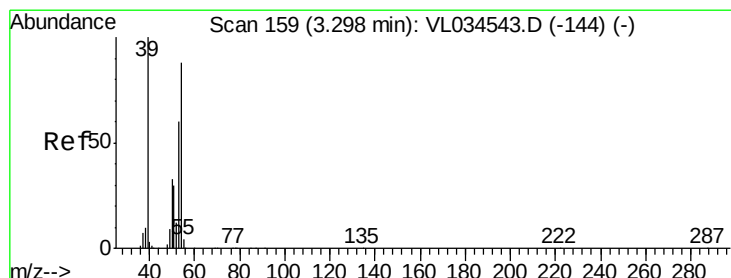
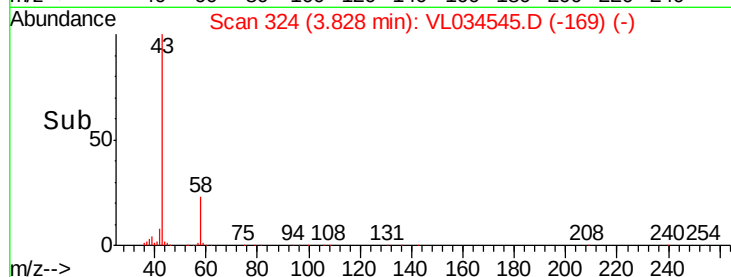
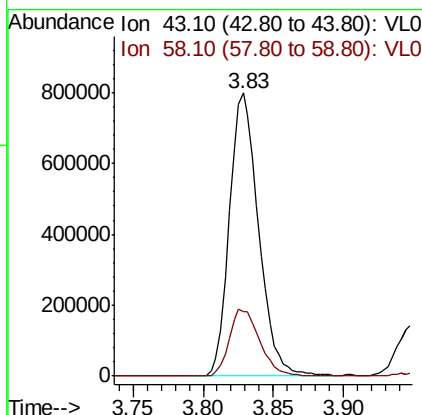
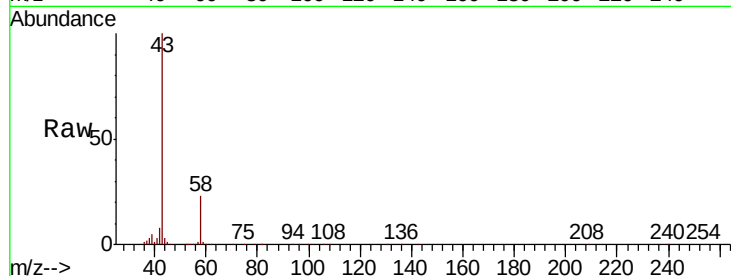
#15
Acetone
Concen: 8.151 ppbv
RT: 3.83 min Scan# 324
Delta R.T. -0.00 min
Lab File: VL034545.D
Acq: 2 Jan 2020 13:22

Instrument :
MSVOA_L
ClientSampleId :
VL0102ABS01

Tot Ion: 43 Resp: 1158821
Ion Ratio Lower Upper
43 100
58 24.8 20.4 30.6

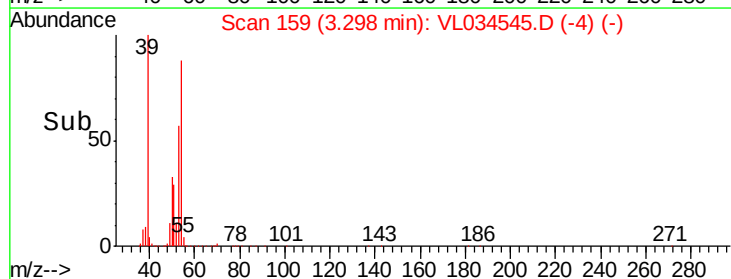
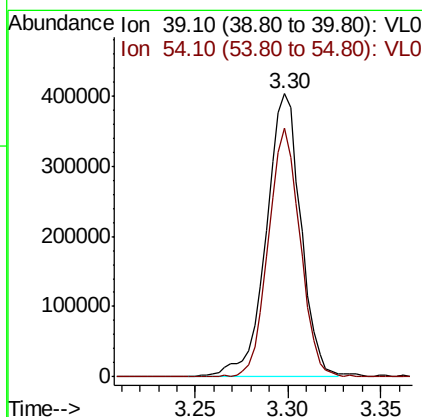
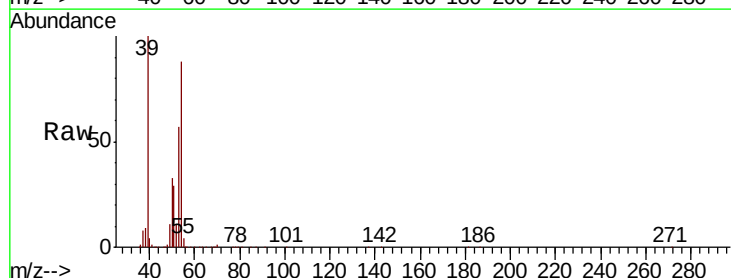
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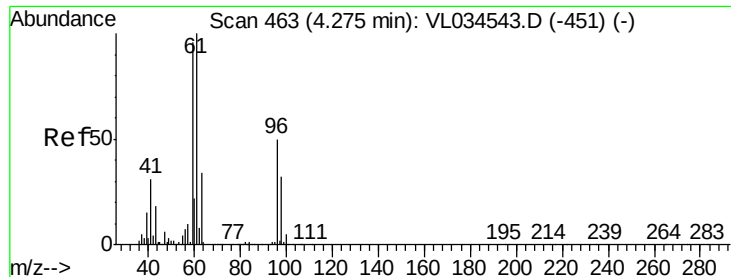
apatel
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#16
1,3-Butadiene
Concen: 9.605 ppbv
RT: 3.30 min Scan# 159
Delta R.T. -0.00 min
Lab File: VL034545.D
Acq: 2 Jan 2020 13:22

Tgt Ion: 39 Resp: 525209
Ion Ratio Lower Upper
39 100
54 81.0 66.2 99.2





#17

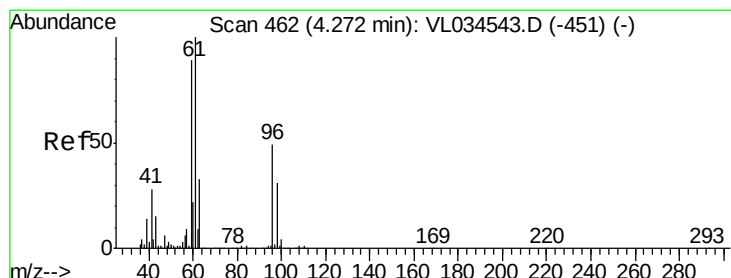
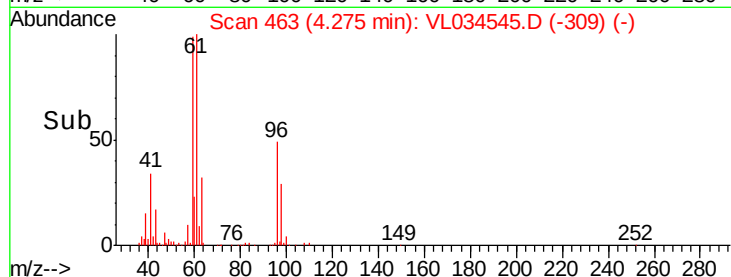
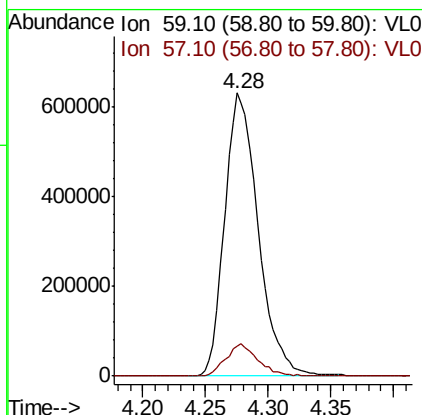
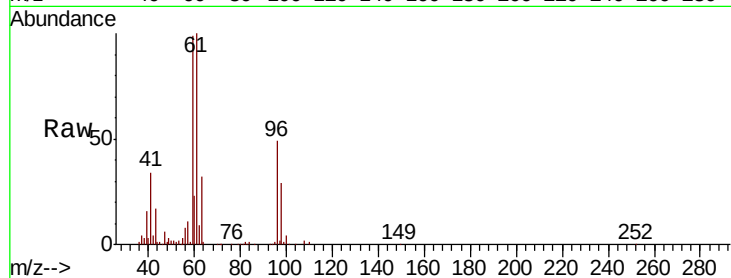
tert-Butyl alcohol
Concen: 10.261 ppbv
RT: 4.28 min Scan# 463
Delta R.T. -0.00 min
Lab File: VL034545.D
Acq: 2 Jan 2020 13:22

Instrument :
MSVOA_L
ClientSampleId :
VL0102ABS01

Tot Ion: 59 Resp: 1168070
Ion Ratio Lower Upper
59 100
57 10.9 8.6 12.8

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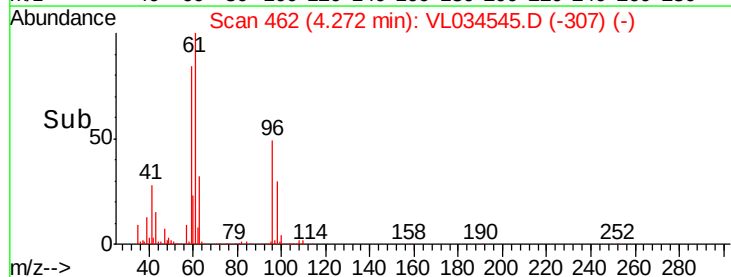
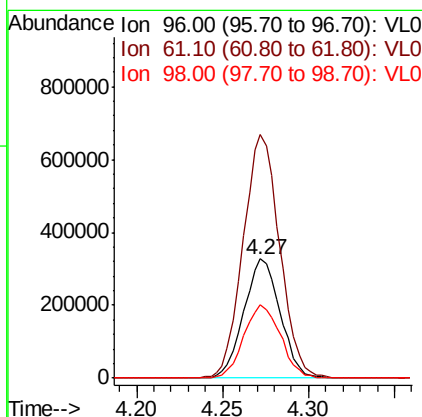
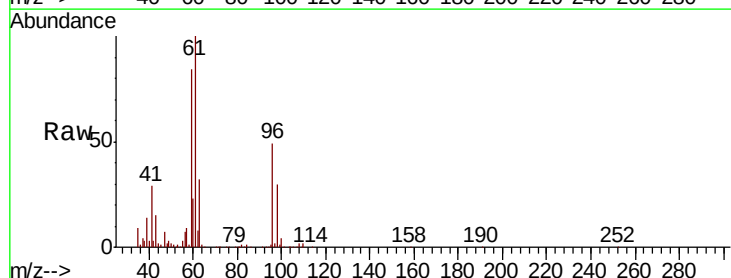
apatel
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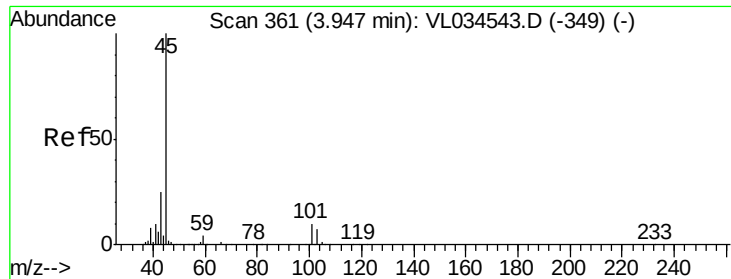


#18

1,1-Dichloroethene
Concen: 9.723 ppbv
RT: 4.27 min Scan# 462
Delta R.T. -0.00 min
Lab File: VL034545.D
Acq: 2 Jan 2020 13:22

Tgt Ion: 96 Resp: 478943
Ion Ratio Lower Upper
96 100
61 204.1 165.9 248.9
98 61.5 51.9 77.9





#19

Isopropyl Alcohol

Concen: 9.756 ppbv

RT: 3.95 min Scan# 361

Delta R.T. -0.00 min

Lab File: VL034545.D

Acq: 2 Jan 2020 13:22

Instrument :

MSVOA_L

ClientSampleId :

VL0102ABS01

Tot Ion: 45 Resp: 897867

Ion Ratio Lower Upper

45 100

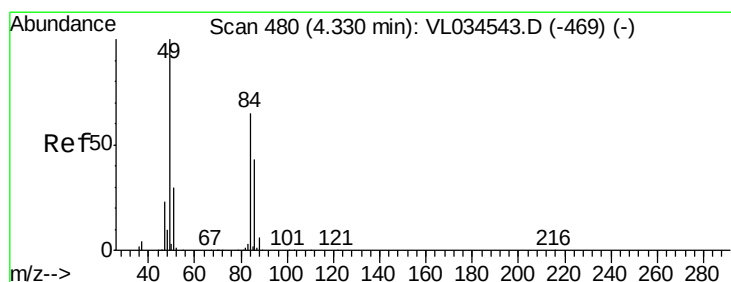
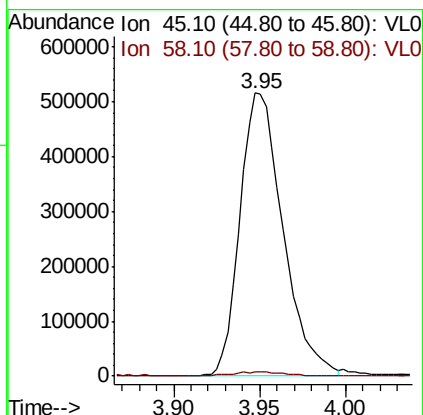
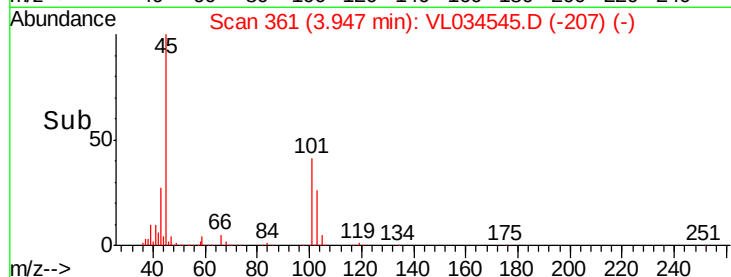
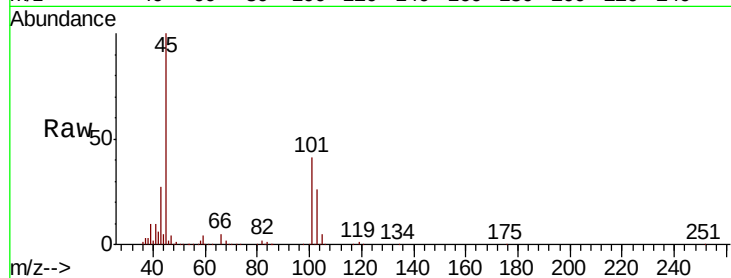
58 1.9 1.4 2.0

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#20

Methylene Chloride

Concen: 7.430 ppbv

RT: 4.33 min Scan# 480

Delta R.T. -0.00 min

Lab File: VL034545.D

Acq: 2 Jan 2020 13:22

Tgt Ion: 84 Resp: 415645

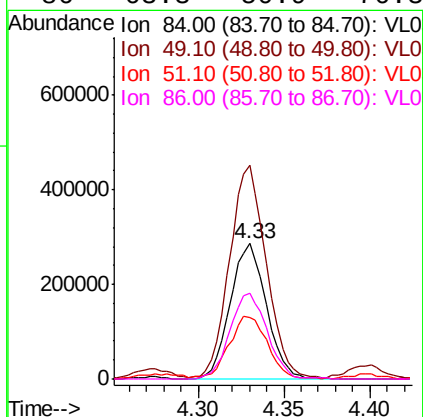
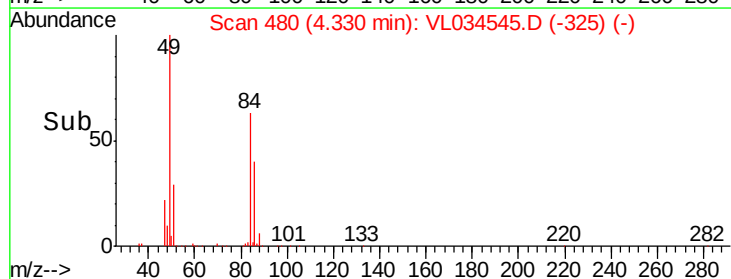
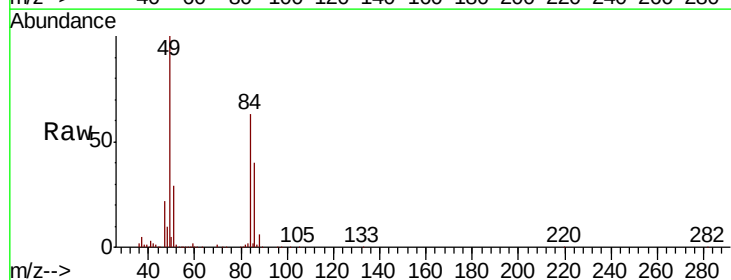
Ion Ratio Lower Upper

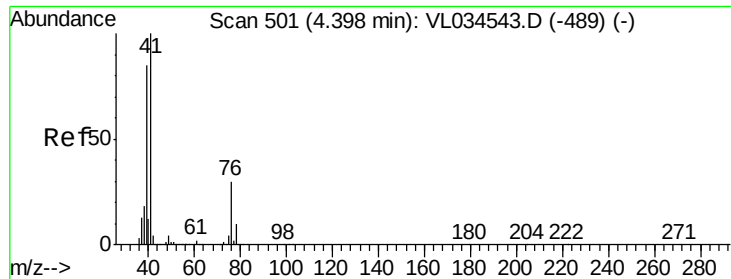
84 100

49 156.7 124.4 186.6

51 45.1 37.0 55.6

86 63.3 50.9 76.3





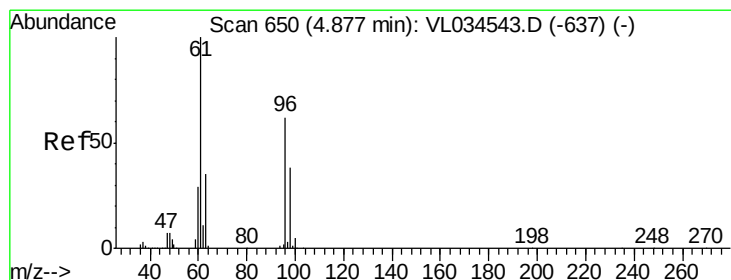
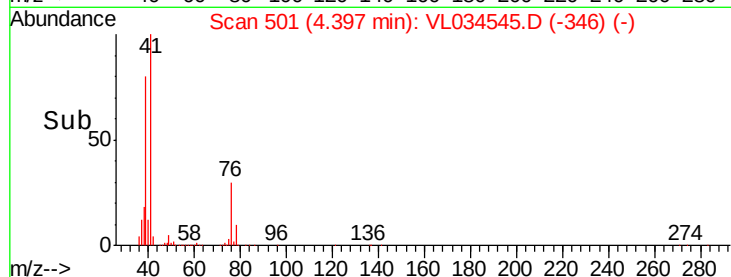
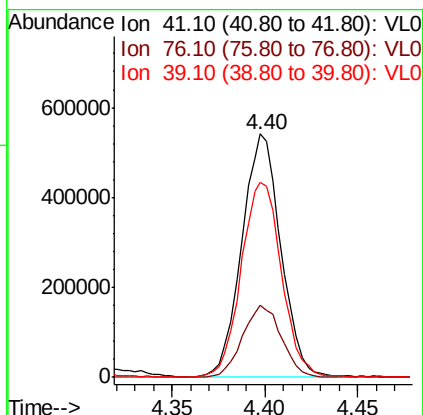
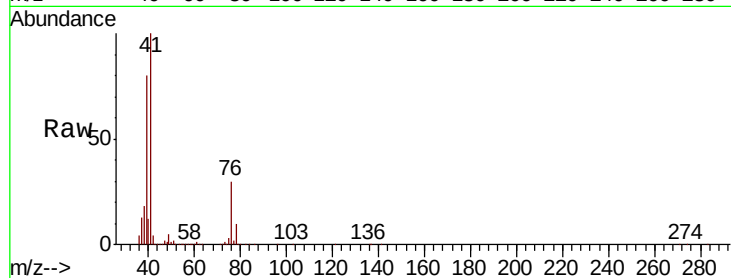
#21
Allvl Chloride
Concen: 9.575 ppbv
RT: 4.40 min Scan# 501
Delta R.T. -0.00 min
Lab File: VL034545.D
Acq: 2 Jan 2020 13:22

Instrument :
MSVOA_L
ClientSampleId :
VL0102ABS01

Tot Ion	Ratio	Lower	Upper
41	100		
76	29.9	24.2	36.4
39	83.9	65.8	98.6

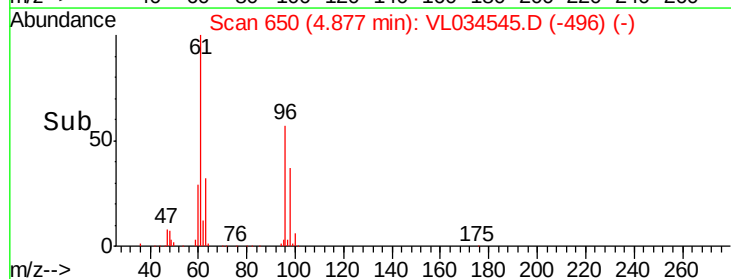
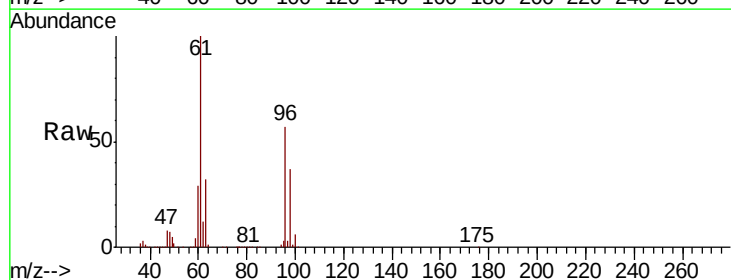
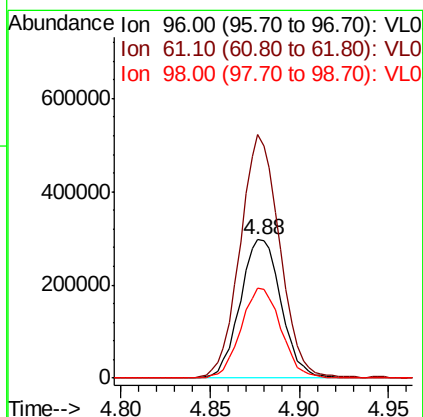
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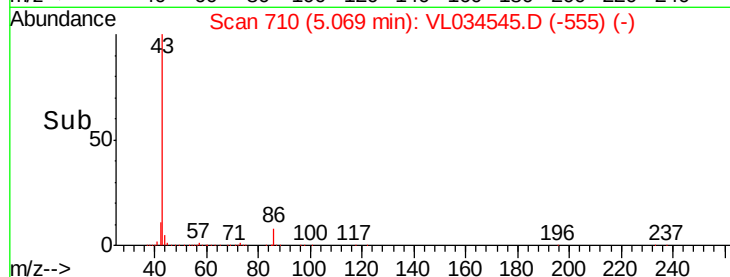
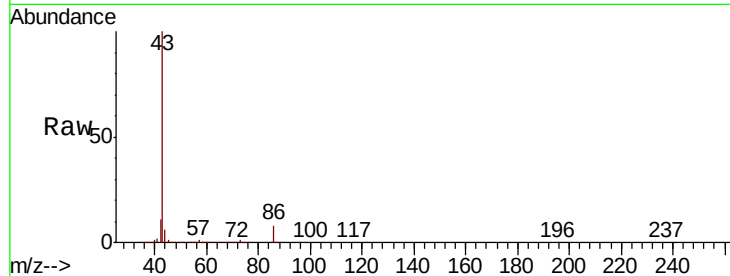
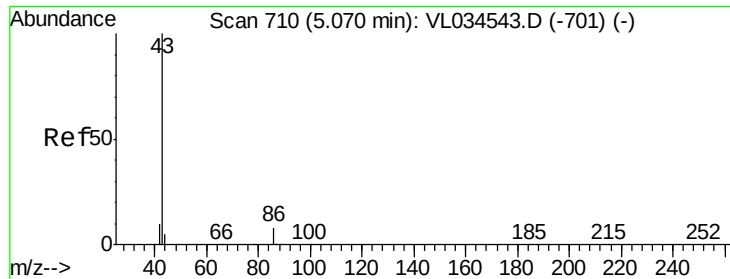
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#22
trans-1,2-Dichloroethene
Concen: 9.536 ppbv
RT: 4.88 min Scan# 650
Delta R.T. -0.00 min
Lab File: VL034545.D
Acq: 2 Jan 2020 13:22

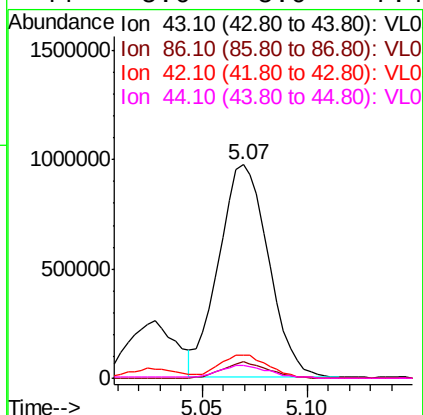
Tgt Ion	Ratio	Lower	Upper
96	100		
61	176.0	128.4	192.6
98	65.1	50.6	75.8





#23
 Vinyl Acetate
 Concen: 9.684 ppbv
 RT: 5.07 min Scan# 710
 Delta R.T. -0.00 min
 Lab File: VL034545.D
 Acq: 2 Jan 2020 13:22

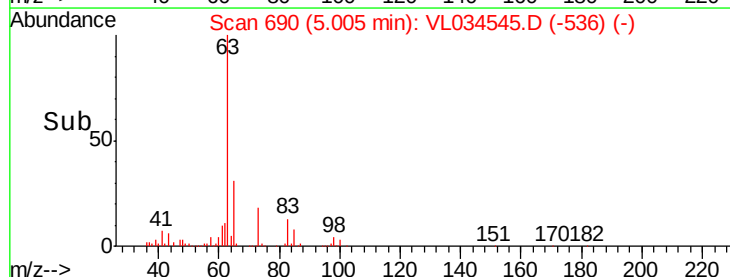
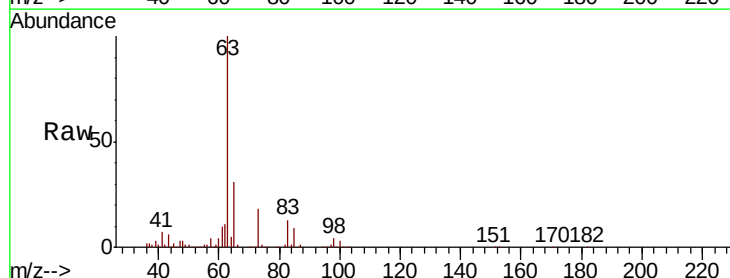
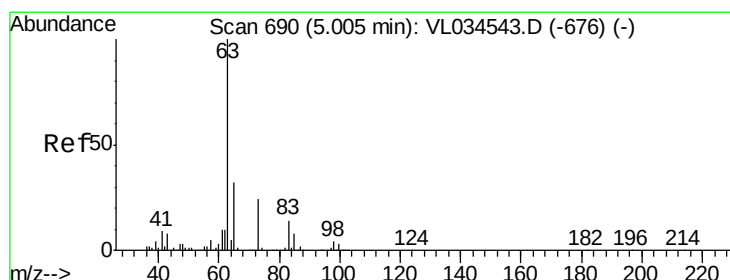
Tot Ion	43	Resp	1589528
Ion	Ratio	Lower	Upper
43	100		
86	7.9	5.4	8.2
42	10.6	8.9	13.3
44	5.6	5.0	7.4



Instrument :
 MSVOA_L
 ClientSampleId :
 VL0102ABS01

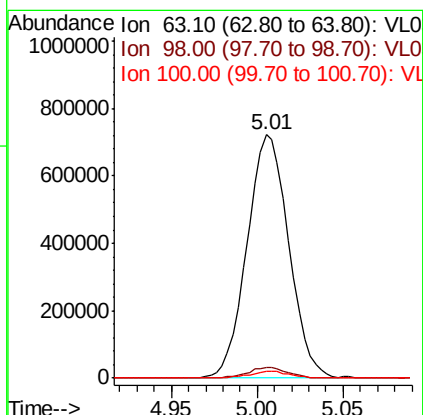
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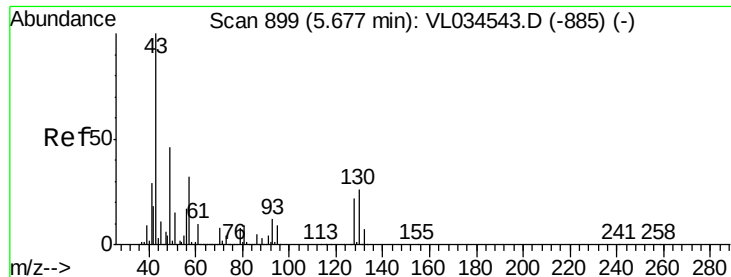
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#24
 1,1-Dichloroethane
 Concen: 9.146 ppbv
 RT: 5.01 min Scan# 690
 Delta R.T. -0.00 min
 Lab File: VL034545.D
 Acq: 2 Jan 2020 13:22

Tgt Ion	63	Resp	1206057
Ion	Ratio	Lower	Upper
63	100		
98	4.3	2.1	6.3
100	2.5	1.1	3.3





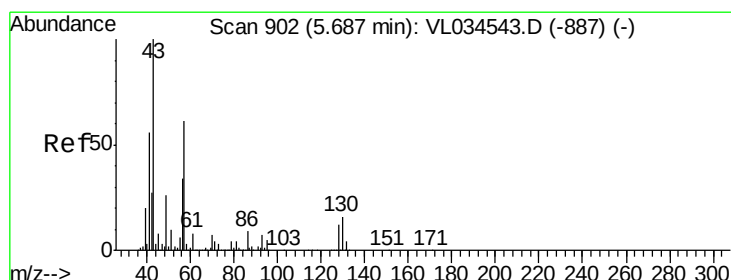
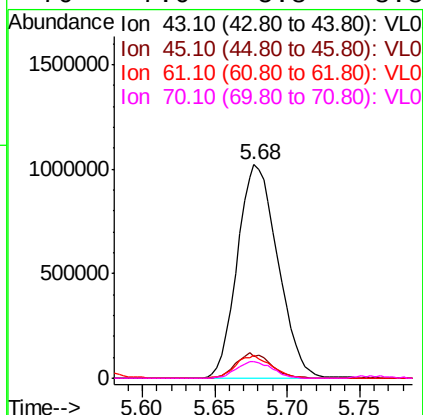
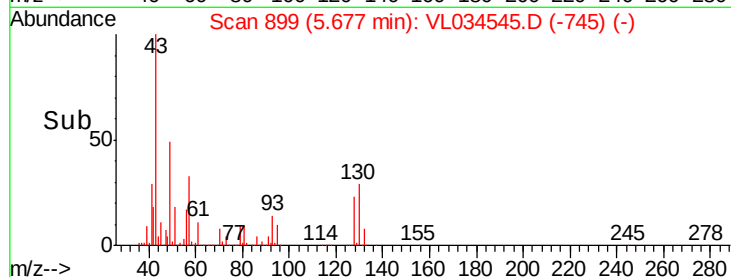
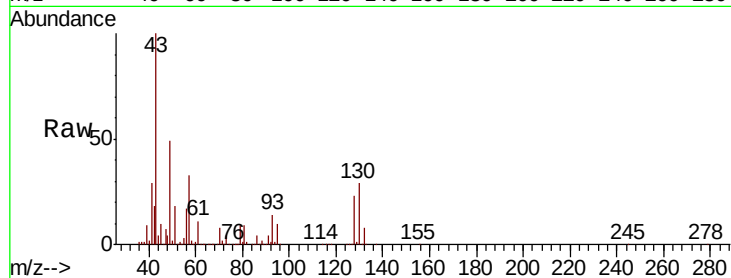
#25
Ethyl Acetate
Concen: 8.907 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.00 min
Lab File: VL034545.D
Acq: 2 Jan 2020 13:22

Instrument :
MSVOA_L
ClientSampleId :
VL0102ABS01

Tot Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.3	12.5
61	9.4	7.8	11.6
70	7.0	5.8	8.8

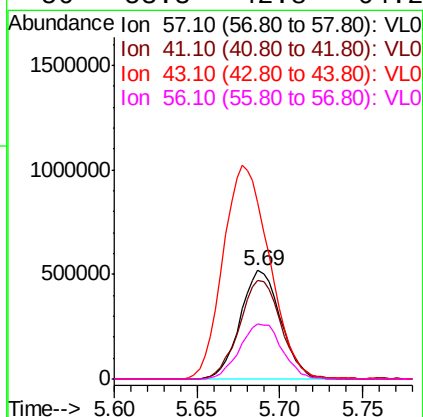
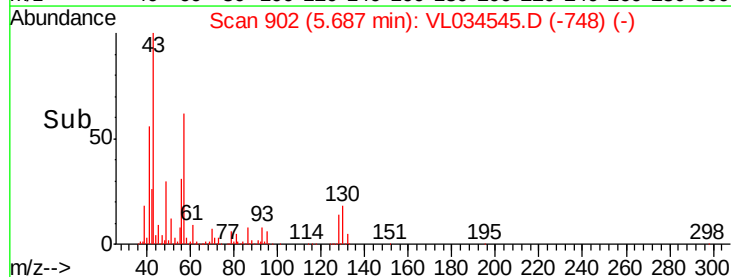
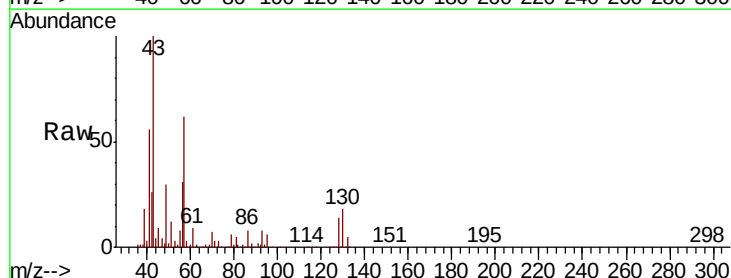
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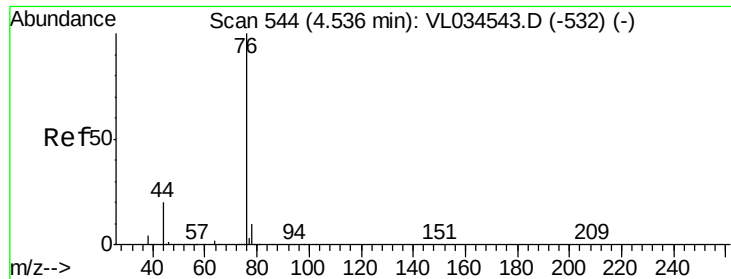
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#26
Hexane
Concen: 9.386 ppbv
RT: 5.69 min Scan# 902
Delta R.T. -0.00 min
Lab File: VL034545.D
Acq: 2 Jan 2020 13:22

Tgt Ion	Ratio	Lower	Upper
57	100		
41	94.8	75.3	112.9
43	226.5	189.4	284.2
56	53.3	42.8	64.2





#27

Carbon Disulfide

Concen: 10.245 ppbv

RT: 4.54 min Scan# 544

Delta R.T. -0.00 min

Lab File: VL034545.D

Acq: 2 Jan 2020 13:22

Instrument :

MSVOA_L

ClientSampleId :

VL0102ABS01

Tot Ion: 76 Resp: 1211517

Ion Ratio Lower Upper

76 100

44 20.2 16.6 25.0

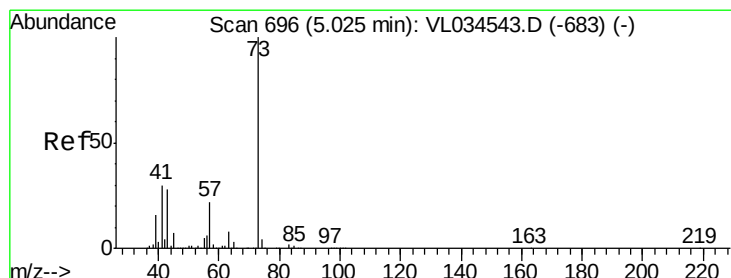
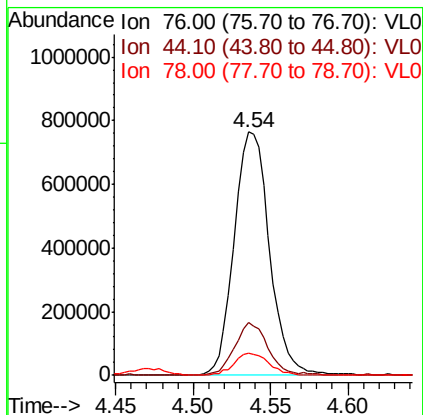
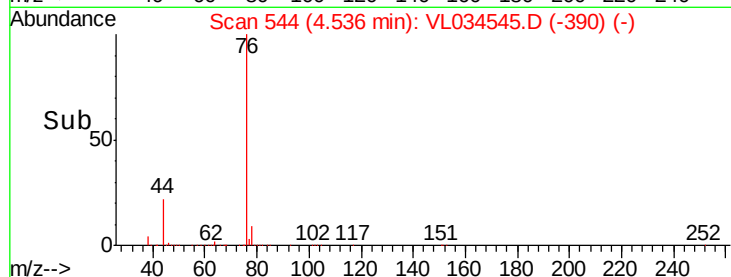
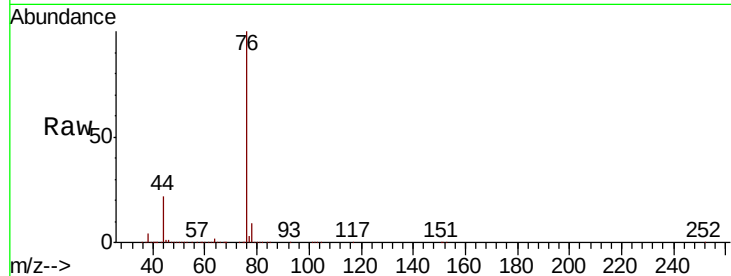
78 9.0 7.4 11.0

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#28

Methyl tert-Butyl Ether

Concen: 9.705 ppbv

RT: 5.03 min Scan# 697

Delta R.T. -0.00 min

Lab File: VL034545.D

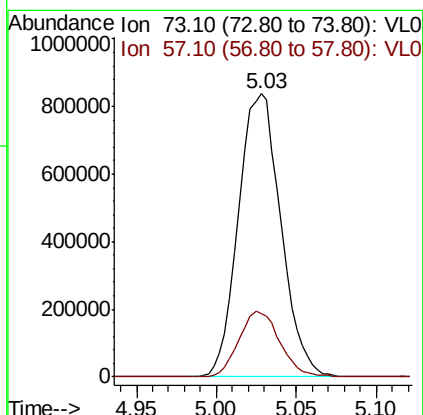
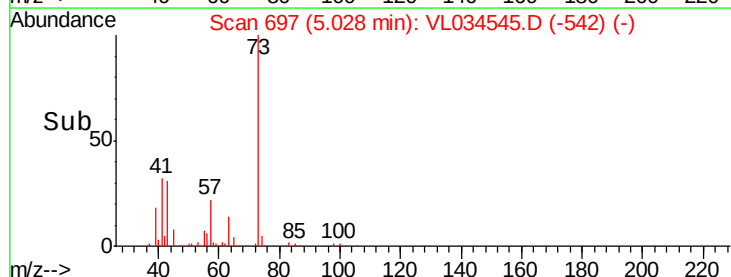
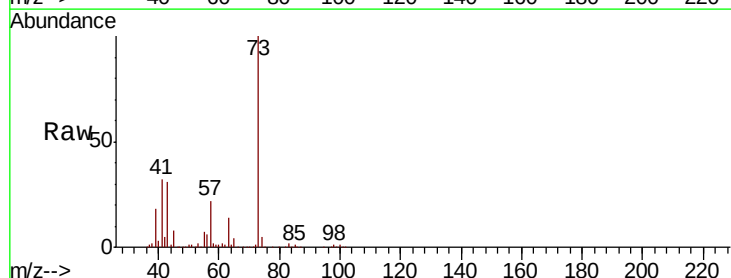
Acq: 2 Jan 2020 13:22

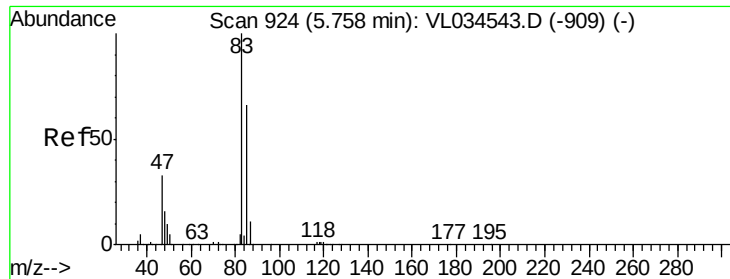
Tgt Ion: 73 Resp: 1516466

Ion Ratio Lower Upper

73 100

57 22.6 18.2 27.2





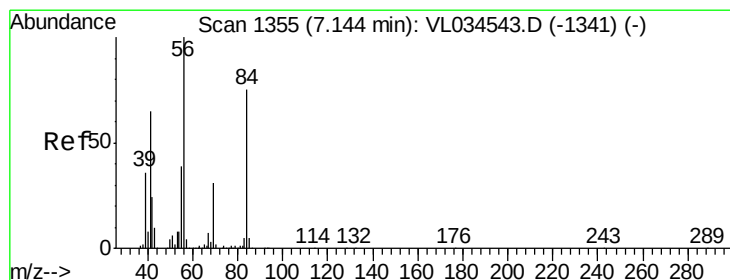
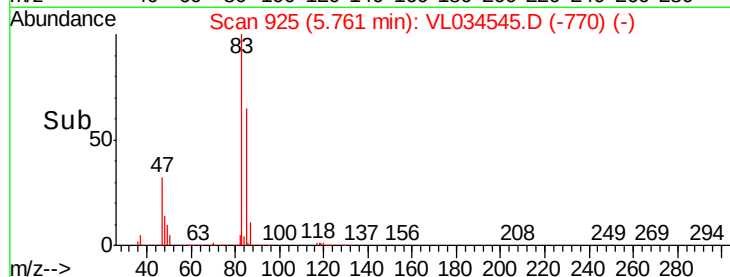
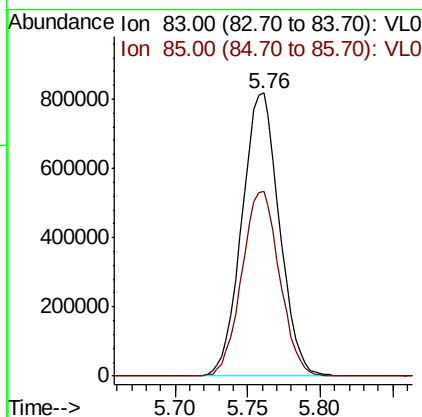
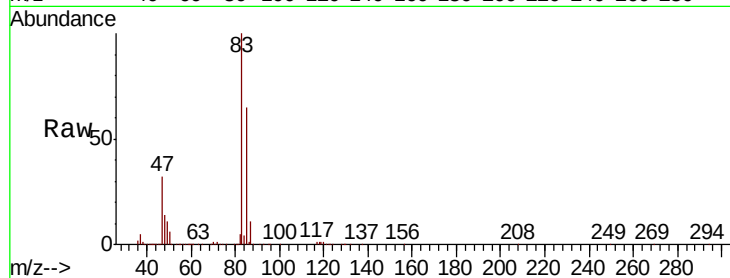
#29
Chloroform
Concen: 9.104 ppbv
RT: 5.76 min Scan# 925
Delta R.T. -0.00 min
Lab File: VL034545.D
Acq: 2 Jan 2020 13:22

Instrument :
MSVOA_L
ClientSampleId :
VL0102ABS01

Tot Ion: 83 Resp: 1473686
Ion Ratio Lower Upper
83 100
85 65.2 51.0 76.6

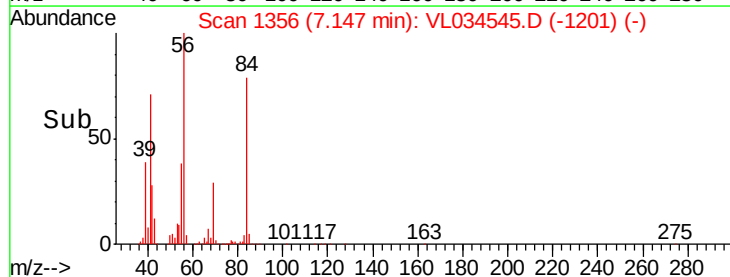
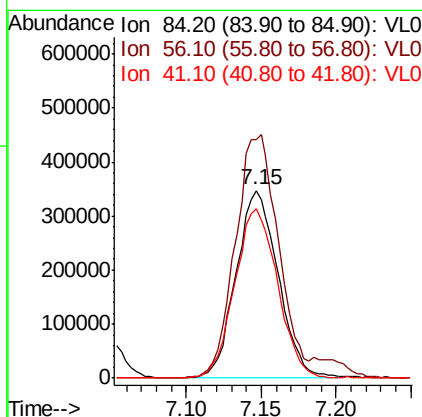
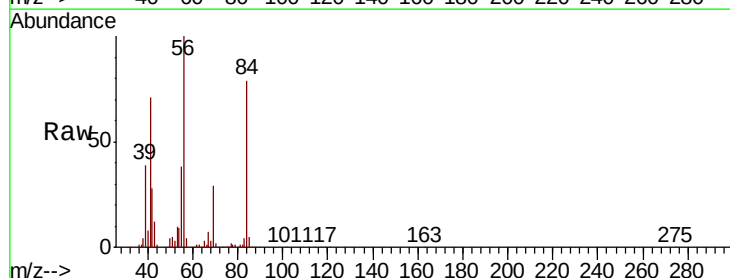
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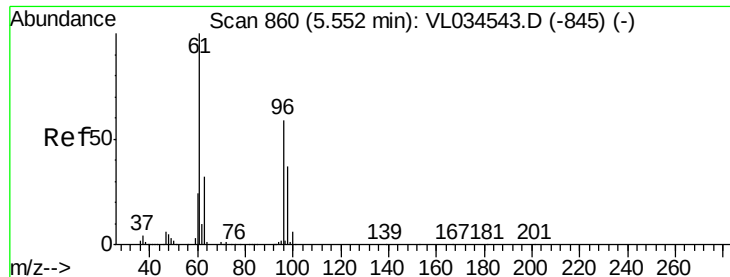
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#30
Cyclohexane
Concen: 9.746 ppbv
RT: 7.15 min Scan# 1356
Delta R.T. -0.00 min
Lab File: VL034545.D
Acq: 2 Jan 2020 13:22

Tgt Ion: 84 Resp: 677705
Ion Ratio Lower Upper
84 100
56 141.9 112.7 169.1
41 92.4 73.0 109.4





#31

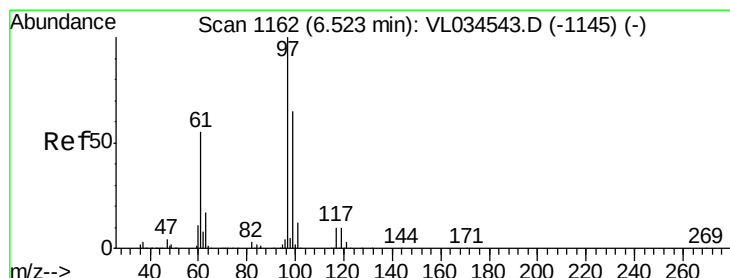
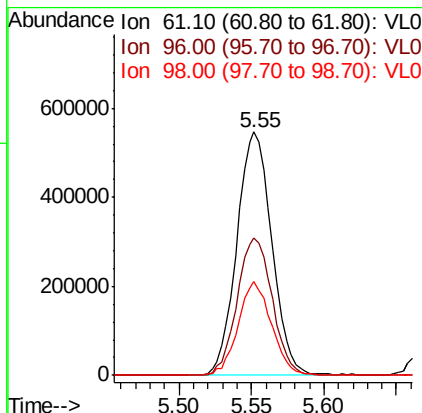
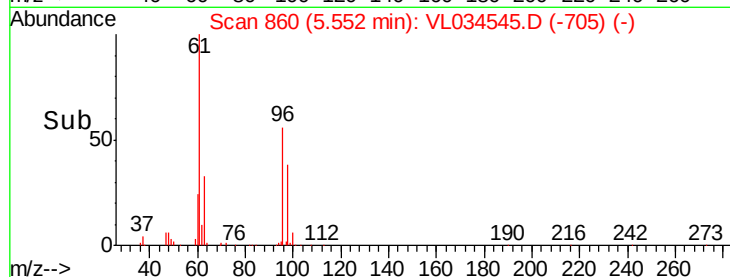
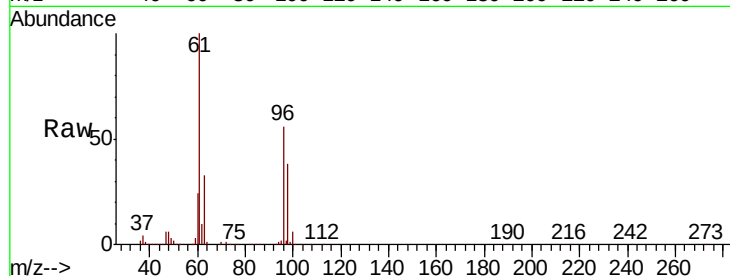
cis-1,2-Dichloroethene
 Concen: 9.650 ppbv
 RT: 5.55 min Scan# 860
 Delta R.T. -0.00 min
 Lab File: VL034545.D
 Acq: 2 Jan 2020 13:22

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0102ABS01

Tot Ion	Ratio	Lower	Upper
61	100		
96	56.2	47.1	70.7
98	38.3	31.0	46.6

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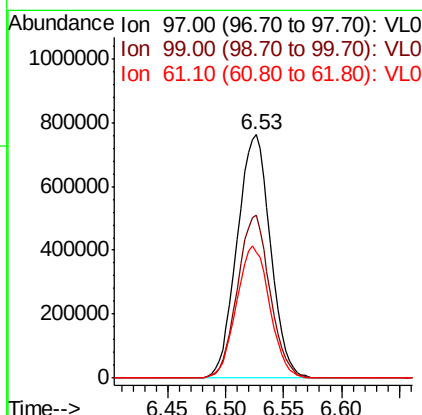
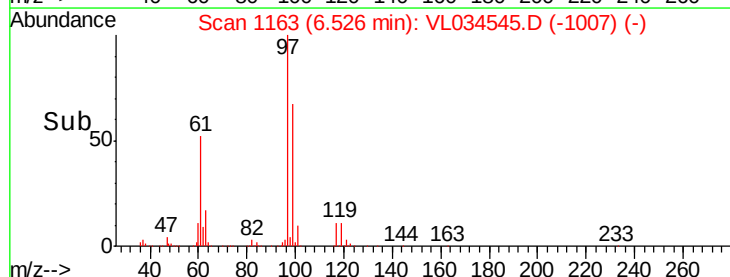
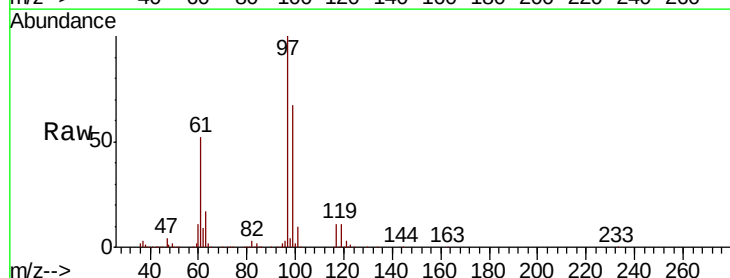
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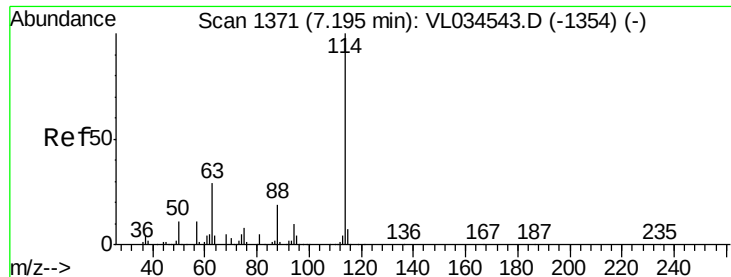


#32

1,1,1-Trichloroethane
 Concen: 9.093 ppbv
 RT: 6.53 min Scan# 1163
 Delta R.T. 0.00 min
 Lab File: VL034545.D
 Acq: 2 Jan 2020 13:22

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.7	77.5
61	54.0	42.9	64.3





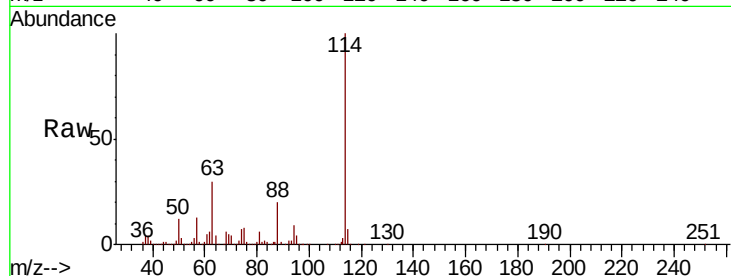
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1371
 Delta R.T. -0.00 min
 Lab File: VL034545.D
 Acq: 2 Jan 2020 13:22

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0102ABS01

Tot Ion	Ratio	Lower	Upper
114	100		
63	30.2	24.1	36.1
88	19.1	15.7	23.5

Manual Integrations
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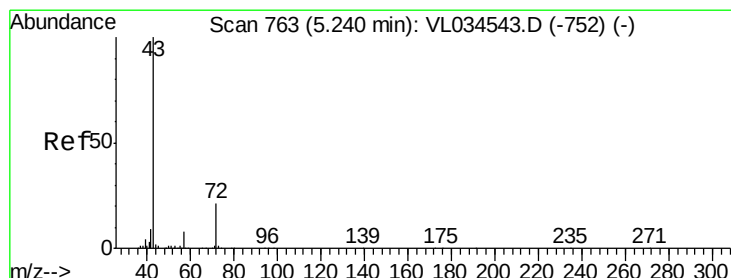
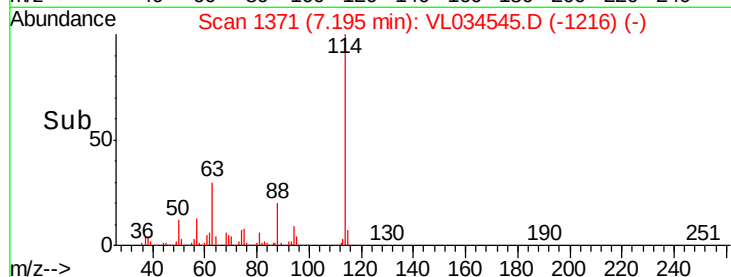
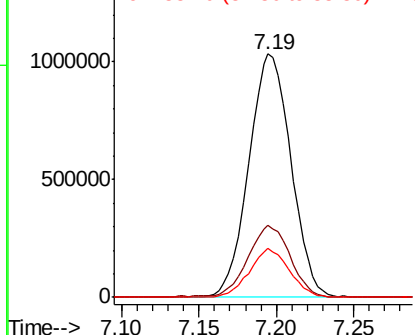
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Abundance Ion 114.10 (113.80 to 114.80): V

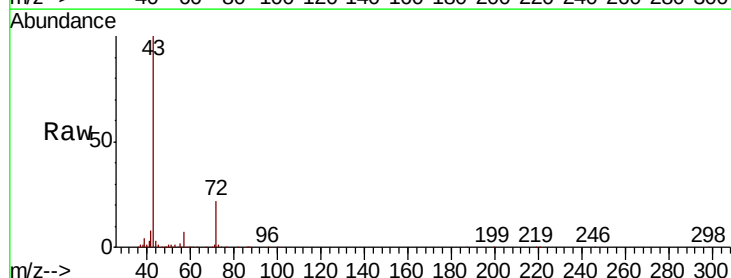
Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



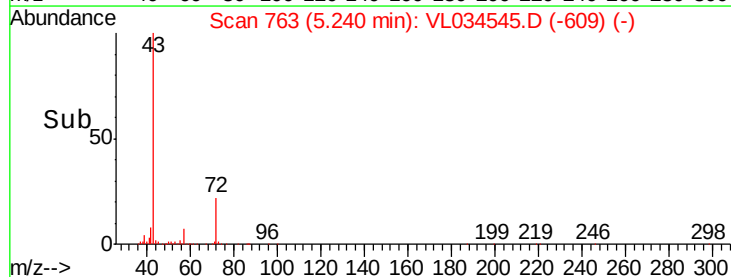
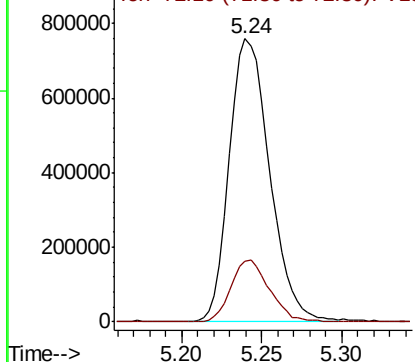
#34
 2-Butanone
 Concen: 9.317 ppbv
 RT: 5.24 min Scan# 763
 Delta R.T. -0.00 min
 Lab File: VL034545.D
 Acq: 2 Jan 2020 13:22

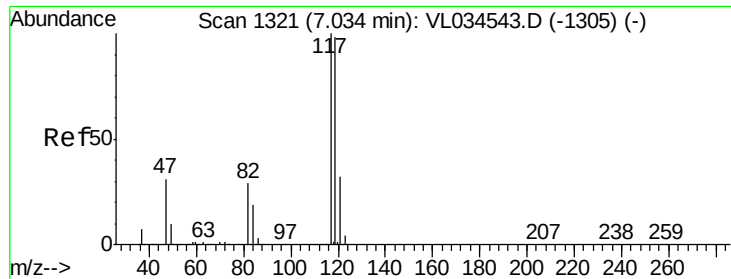
Tgt Ion	Ratio	Lower	Upper
43	100		
72	20.9	17.0	25.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 9.217 ppbv

RT: 7.04 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VL034545.D

Acq: 2 Jan 2020 13:22

Instrument :

MSVOA_L

ClientSampleId :

VL0102ABS01

Tot Ion:117 Resp: 1634764

Ion Ratio Lower Upper

117 100

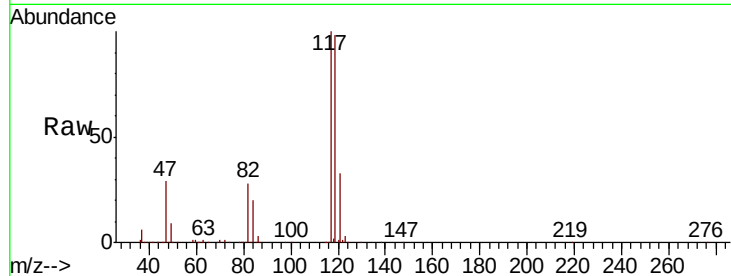
119 98.0 78.7 118.1

121 32.7 25.9 38.9

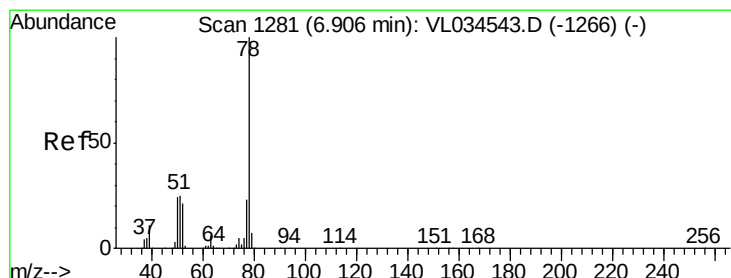
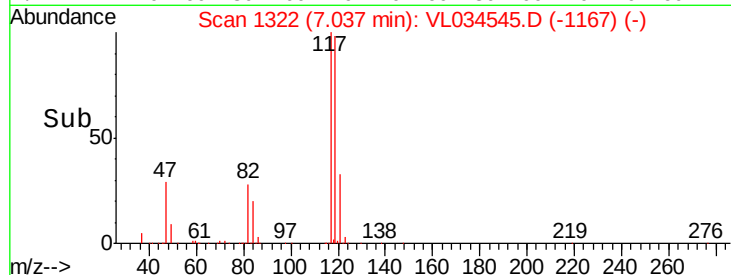
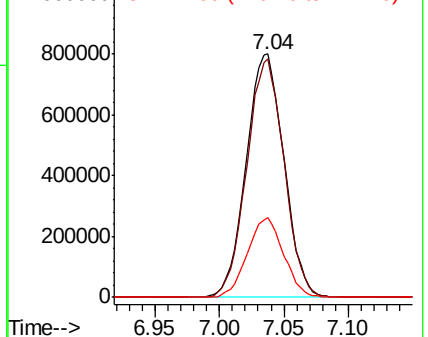
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Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.554 ppbv

RT: 6.91 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VL034545.D

Acq: 2 Jan 2020 13:22

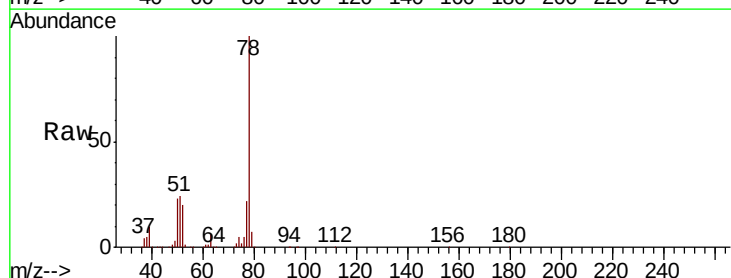
Tgt Ion: 78 Resp: 1628750

Ion Ratio Lower Upper

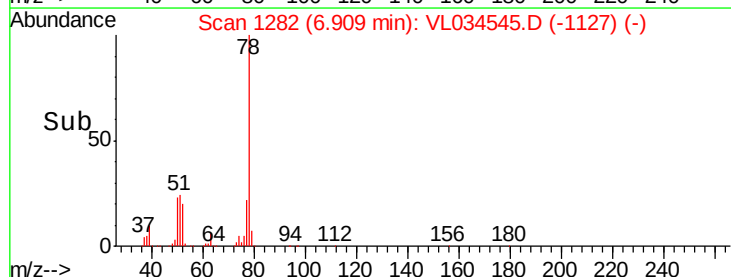
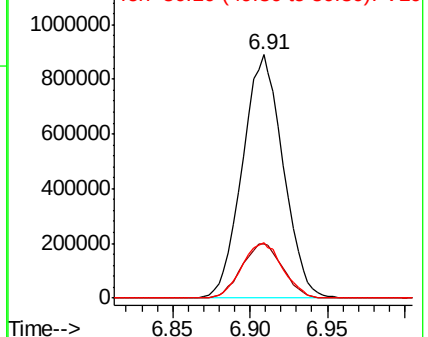
78 100

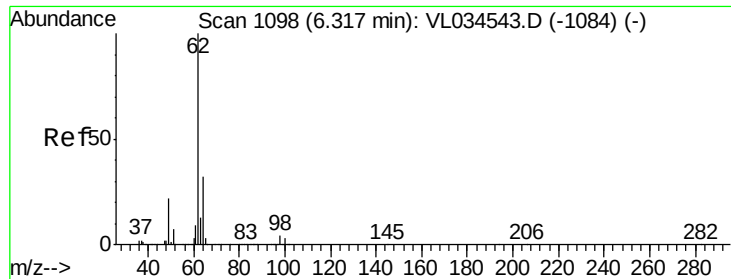
77 22.3 18.6 28.0

50 22.9 18.8 28.2



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: 9.304 ppbv

RT: 6.32 min Scan# 1099

Delta R.T. -0.00 min

Lab File: VL034545.D

Acq: 2 Jan 2020 13:22

Instrument :

MSVOA_L

ClientSampleId :

VL0102ABS01

Tot Ion: 62 Resp: 1288042

Ion Ratio Lower Upper

62 100

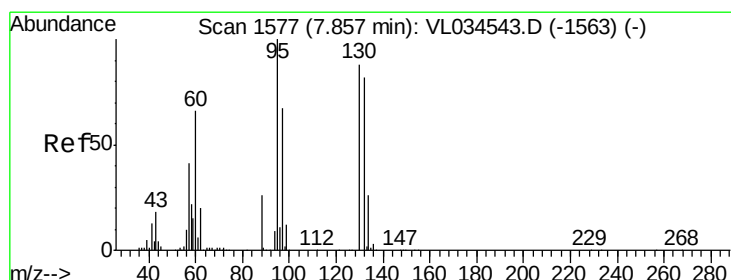
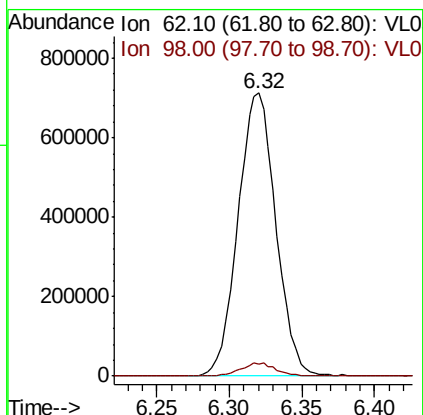
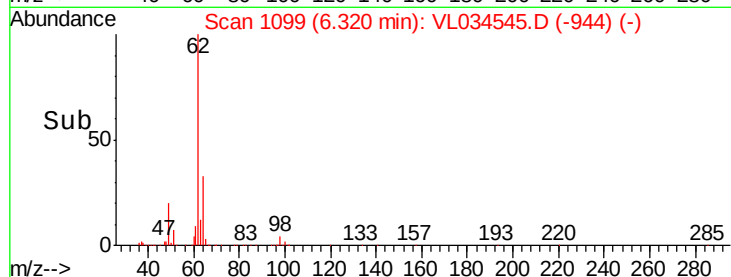
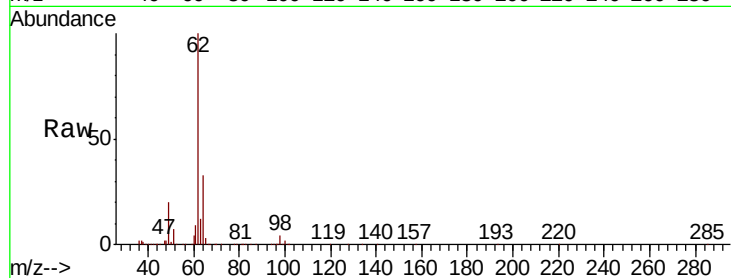
98 4.3 3.8 5.6

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#38

Trichloroethene

Concen: 9.533 ppbv

RT: 7.86 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VL034545.D

Acq: 2 Jan 2020 13:22

Tgt Ion: 130 Resp: 656514

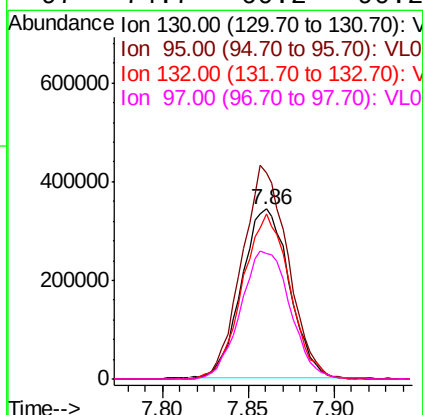
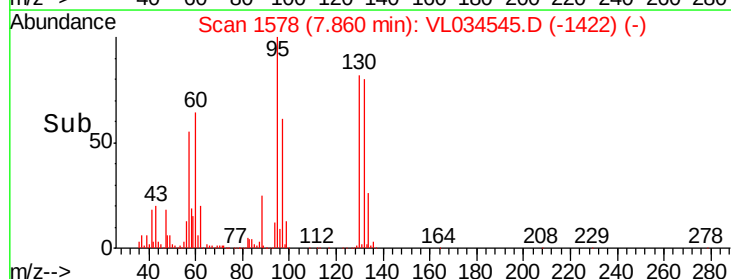
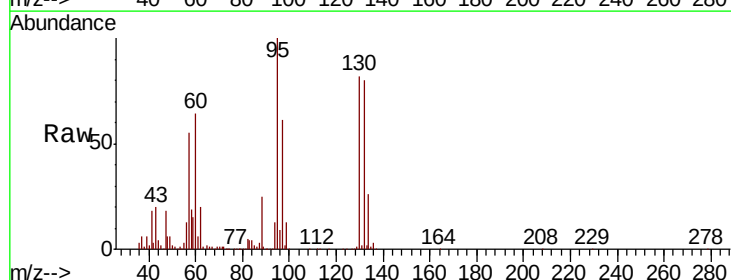
Ion Ratio Lower Upper

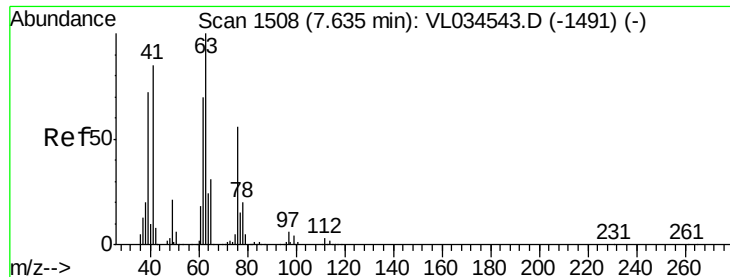
130 100

95 122.2 94.2 141.2

132 98.0 76.1 114.1

97 74.7 60.2 90.2





#39

1,2-Dichloropropane

Concen: 9.452 ppbv

RT: 7.64 min Scan# 1508

Delta R.T. -0.00 min

Lab File: VL034545.D

Acq: 2 Jan 2020 13:22

Instrument :

MSVOA_L

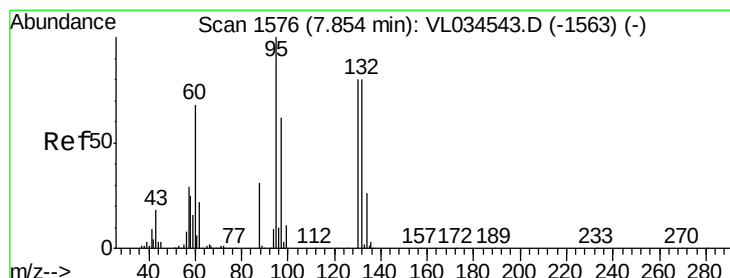
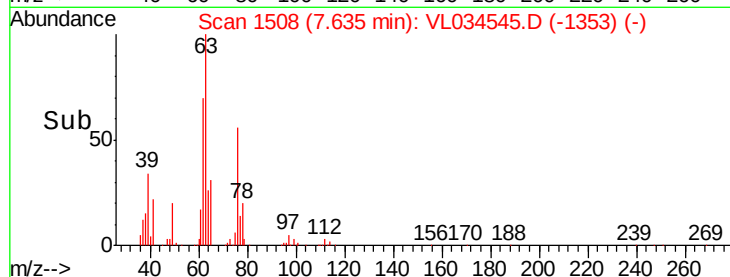
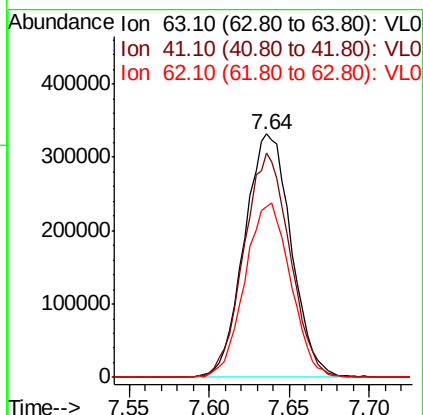
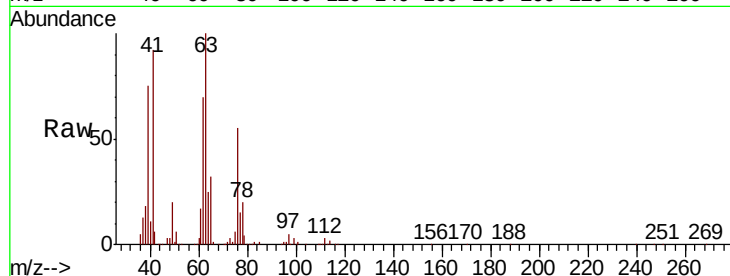
ClientSampleId :

VL0102ABS01

Tot Ion:	63	Resp:	662622
Ion Ratio	Lower	Upper	
63	100		
41	91.9	66.1	99.1
62	70.0	54.9	82.3

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#40

1,4-Dioxane

Concen: 9.396 ppbv

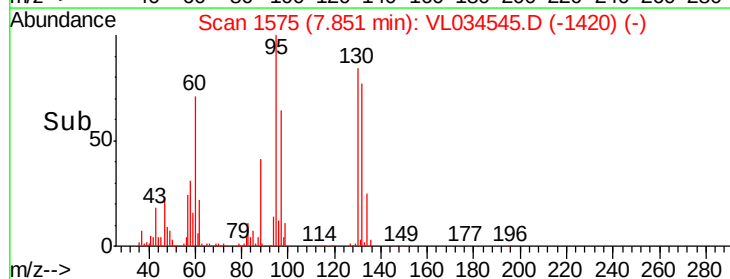
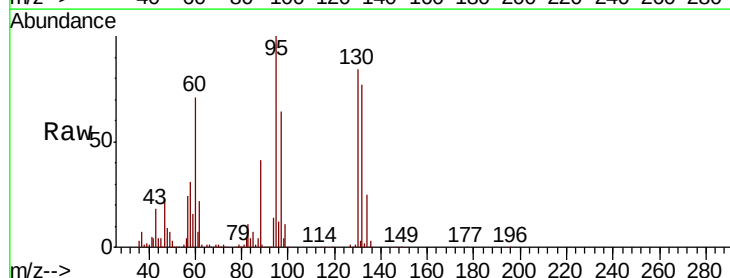
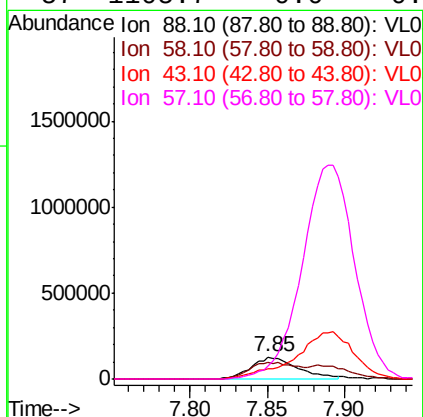
RT: 7.85 min Scan# 1575

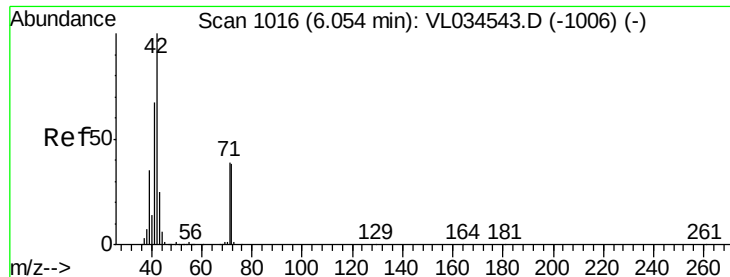
Delta R.T. -0.00 min

Lab File: VL034545.D

Acq: 2 Jan 2020 13:22

Tgt Ion:	88	Resp:	266587
Ion Ratio	Lower	Upper	
88	100		
58	133.1	107.9	161.9
43	269.9	0.0	0.0#
57	1105.7	0.0	0.0#





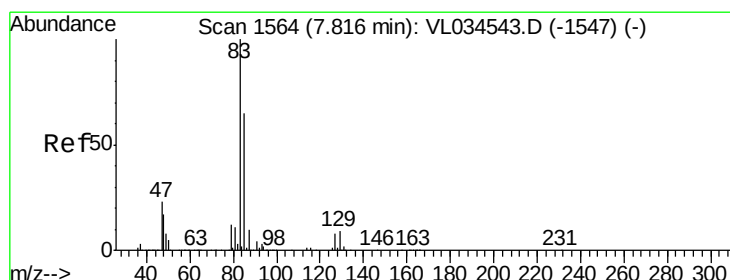
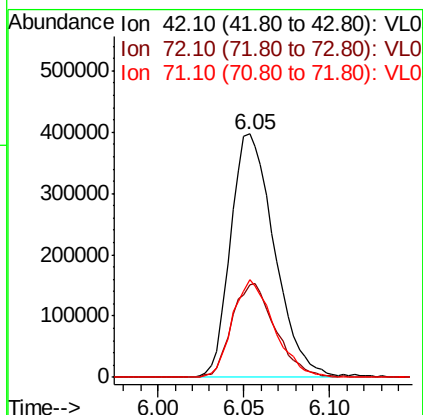
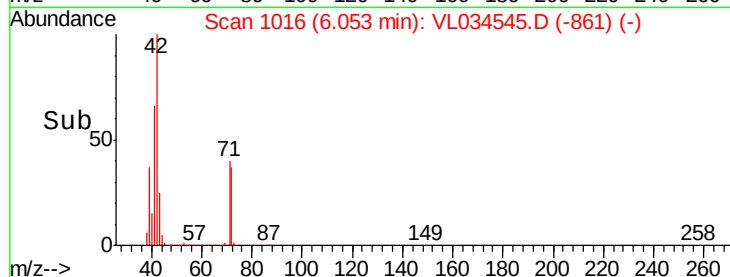
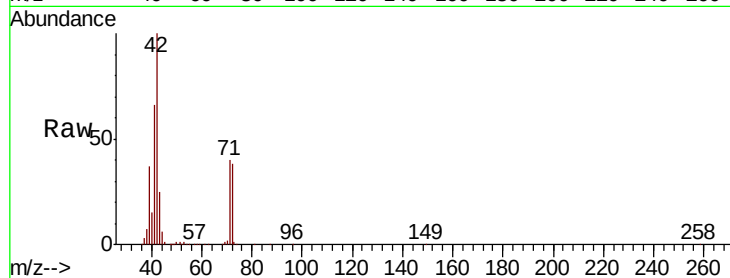
#41
Tetrahydrofuran
Concen: 9.816 ppbv
RT: 6.05 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VL034545.D
Acq: 2 Jan 2020 13:22

Instrument :
MSVOA_L
ClientSampleId :
VL0102ABS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.4	30.9	46.3
71	38.5	28.9	43.3

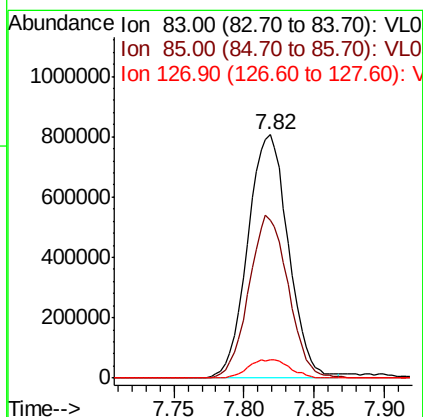
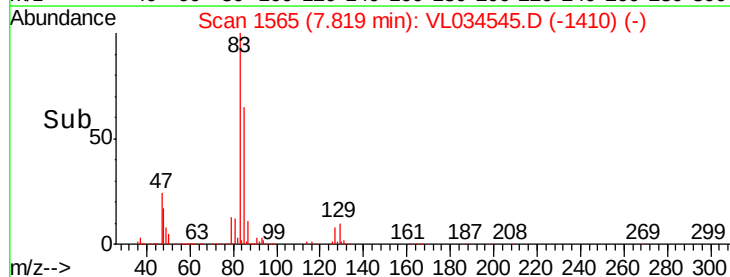
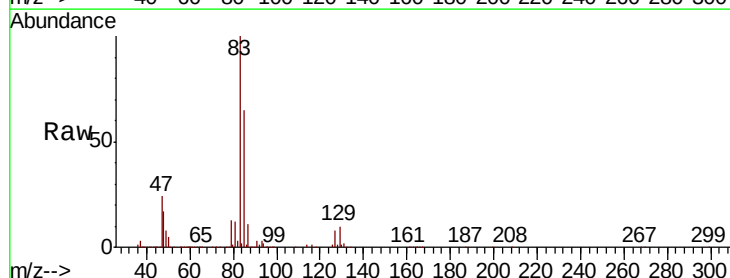
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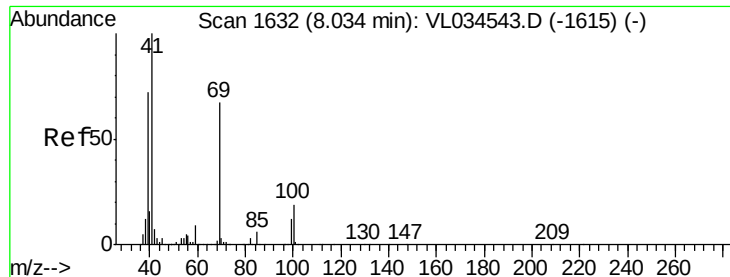
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#42
Bromodichloromethane
Concen: 9.551 ppbv
RT: 7.82 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VL034545.D
Acq: 2 Jan 2020 13:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	49.4	74.2
127	7.7	6.2	9.4





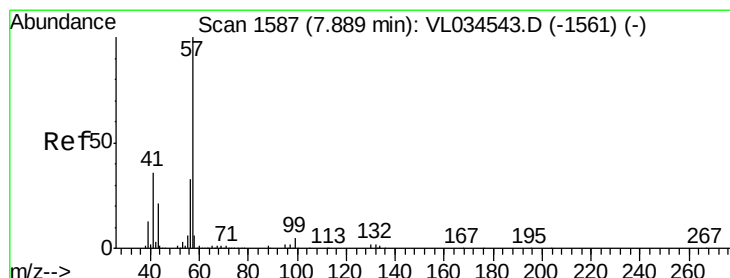
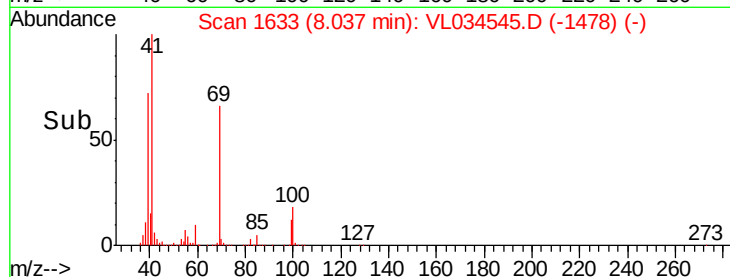
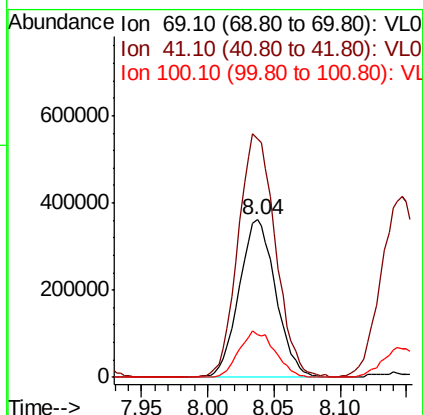
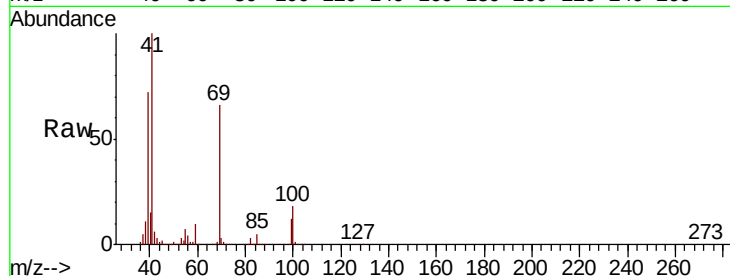
#43
Methyl Methacrylate
Concen: 10.005 ppbv
RT: 8.04 min Scan# 1633
Delta R.T. -0.00 min
Lab File: VL034545.D
Acq: 2 Jan 2020 13:22

Instrument :
MSVOA_L
ClientSampleId :
VL0102ABS01

Tot Ion	Ion	Ratio	Lower	Upper
69	69	100		
41	41	156.7	124.0	186.0
100	100	28.9	23.1	34.7

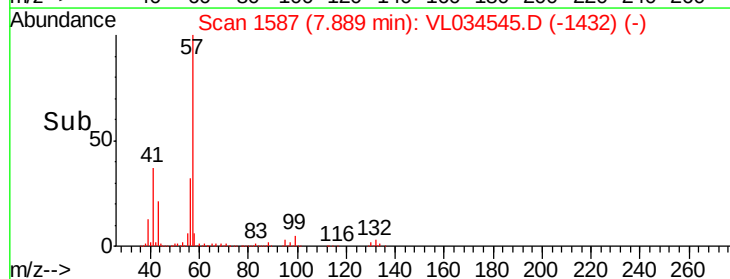
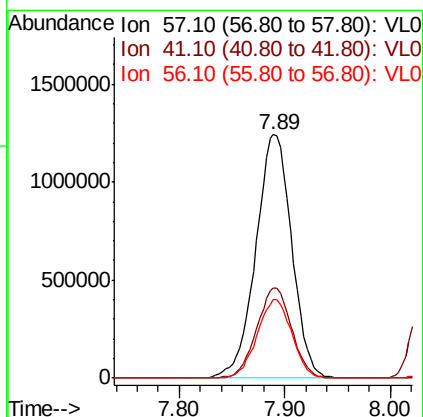
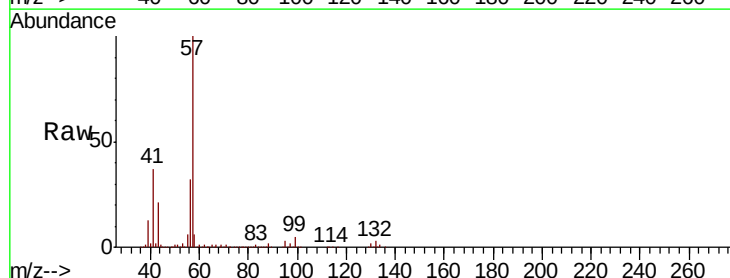
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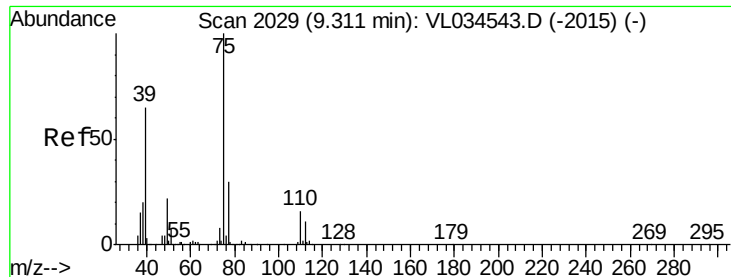
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#44
2,2,4-Trimethylpentane
Concen: 9.334 ppbv
RT: 7.89 min Scan# 1587
Delta R.T. -0.00 min
Lab File: VL034545.D
Acq: 2 Jan 2020 13:22

Tgt Ion	Ion	Ratio	Lower	Upper
57	57	100		
41	41	36.2	29.0	43.4
56	56	31.2	24.9	37.3





#45

t-1,3-Dichloropropene

Concen: 10.314 ppbv

RT: 9.31 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VL034545.D

Acq: 2 Jan 2020 13:22

Instrument :

MSVOA_L

ClientSampleId :

VL0102ABS01

Tot Ion: 75 Resp: 923961

Ion Ratio Lower Upper

75 100

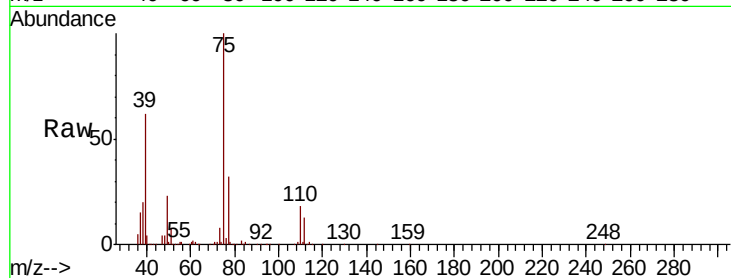
77 31.9 24.2 36.2

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Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.31

500000

400000

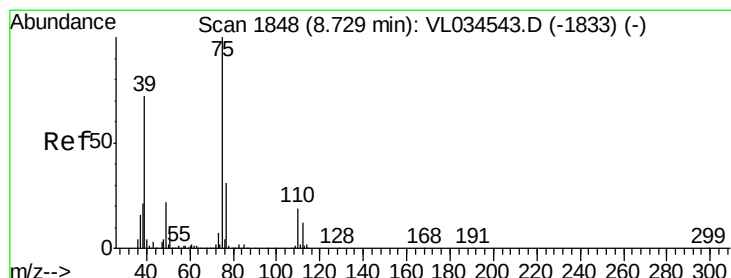
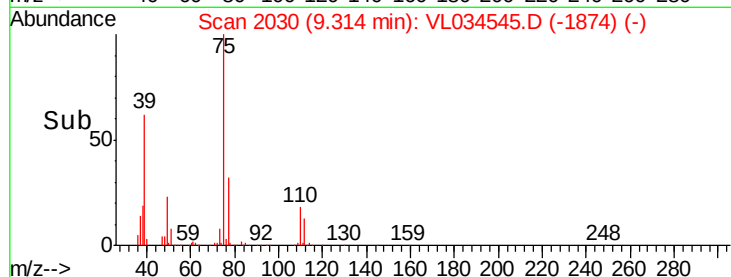
300000

200000

100000

0

Time--> 9.20 9.25 9.30 9.35 9.40



#46

cis-1,3-Dichloropropene

Concen: 10.199 ppbv

RT: 8.73 min Scan# 1849

Delta R.T. -0.00 min

Lab File: VL034545.D

Acq: 2 Jan 2020 13:22

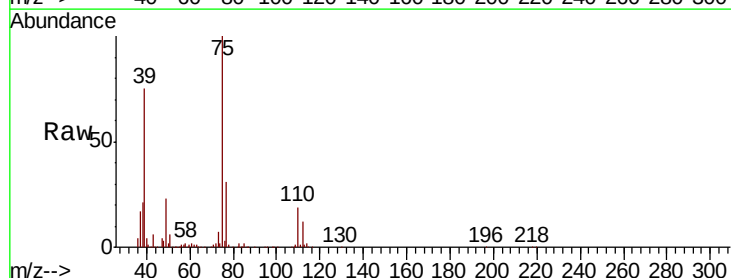
Tgt Ion: 75 Resp: 1044376

Ion Ratio Lower Upper

75 100

39 75.4 60.5 90.7

77 30.6 24.8 37.2



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

8.73

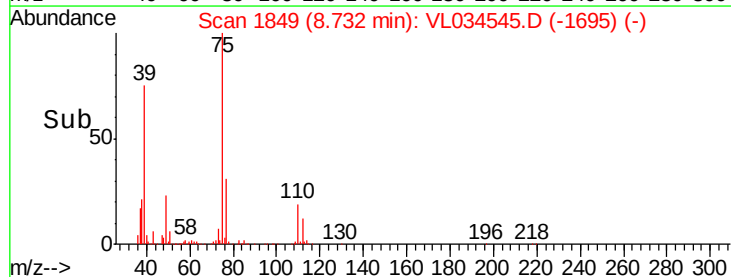
600000

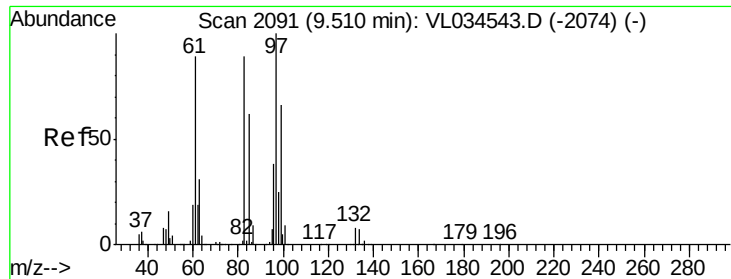
400000

200000

0

Time--> 8.65 8.70 8.75 8.80





#47

1,1,2-Trichloroethane

Concen: 9.144 ppbv

RT: 9.51 min Scan# 2092

Delta R.T. -0.00 min

Lab File: VL034545.D

Acq: 2 Jan 2020 13:22

Instrument :

MSVOA_L

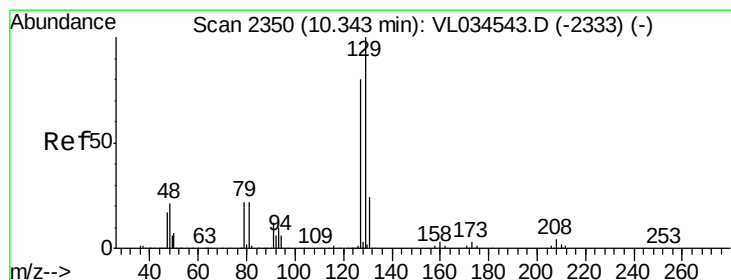
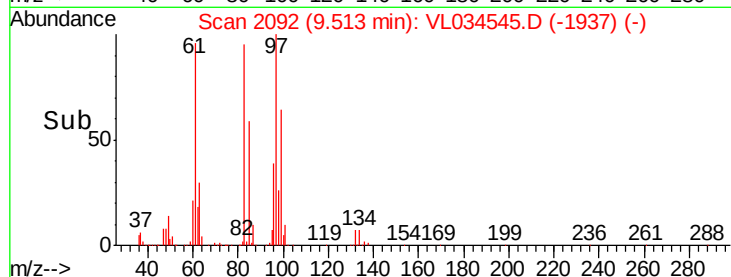
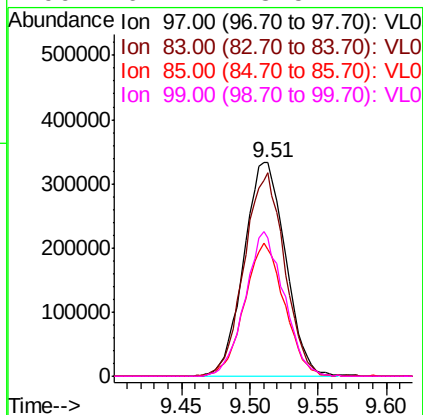
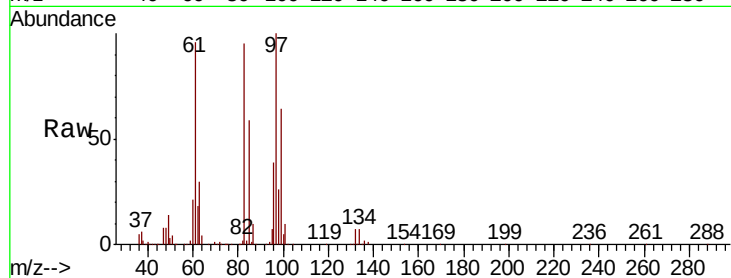
ClientSampleId :

VL0102ABS01

Tot Ion:	97	Resp:	706607
Ion Ratio	Lower	Upper	
97	100		
83	95.2	75.0	112.4
85	59.2	48.2	72.4
99	64.4	48.5	72.7

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#48

Dibromochloromethane

Concen: 10.191 ppbv

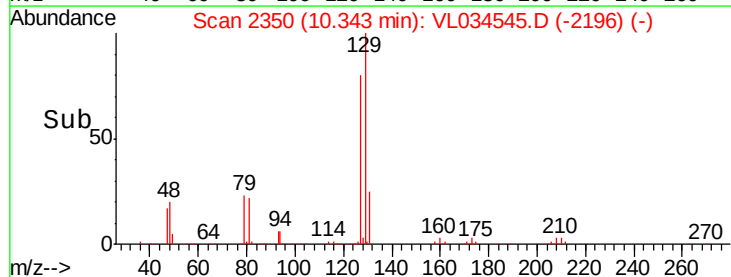
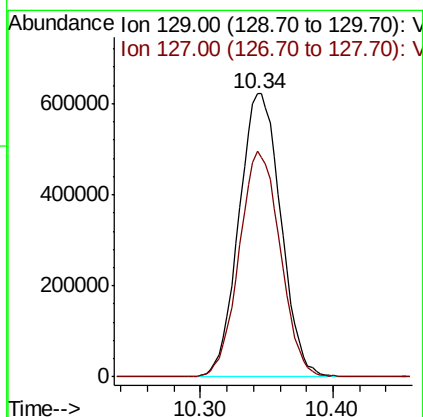
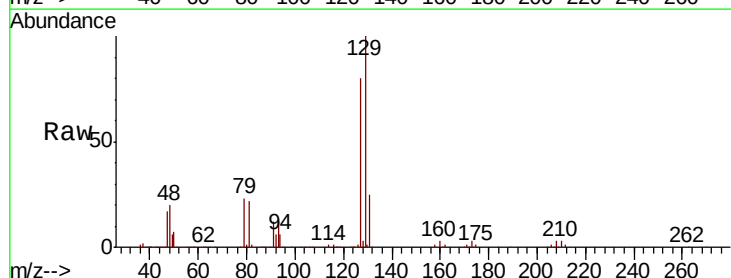
RT: 10.34 min Scan# 2350

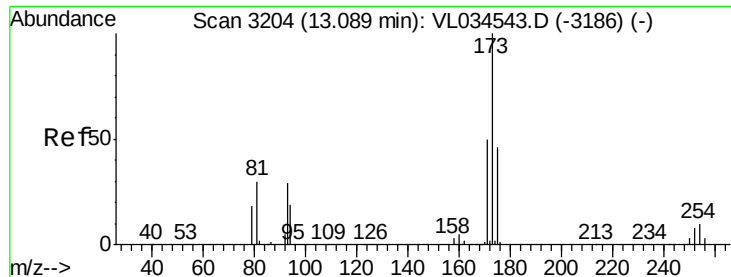
Delta R.T. -0.00 min

Lab File: VL034545.D

Acq: 2 Jan 2020 13:22

Tgt Ion:	129	Resp:	1365234
Ion Ratio	Lower	Upper	
129	100		
127	78.3	39.4	118.2





#49

Bromoform

Concen: 10.090 ppbv

RT: 13.09 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VL034545.D

Acq: 2 Jan 2020 13:22

Instrument :

MSVOA_L

ClientSampleId :

VL0102ABS01

Tot Ion:173 Resp: 1223635

Ion Ratio Lower Upper

173 100

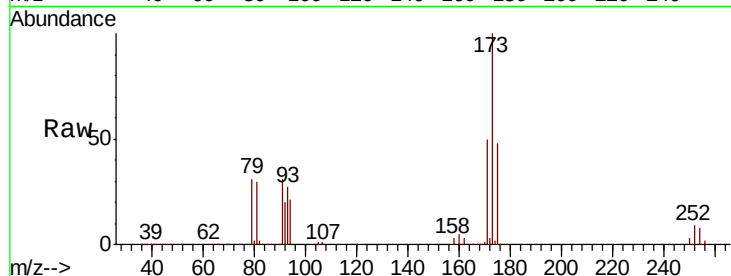
175 49.6 39.8 59.8

171 52.2 42.1 63.1

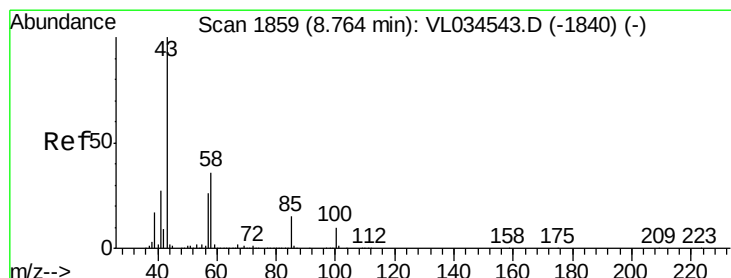
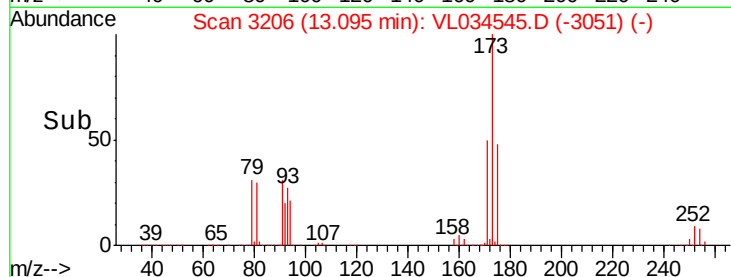
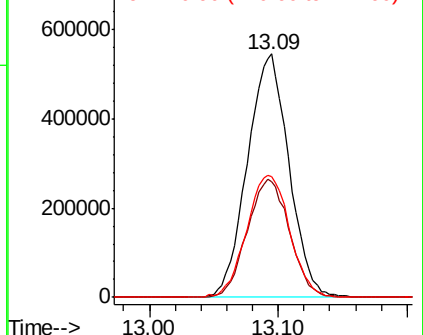
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Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.652 ppbv

RT: 8.76 min Scan# 1859

Delta R.T. -0.00 min

Lab File: VL034545.D

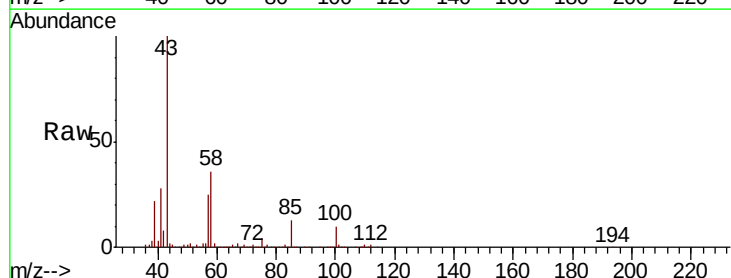
Acq: 2 Jan 2020 13:22

Tgt Ion: 43 Resp: 1958233

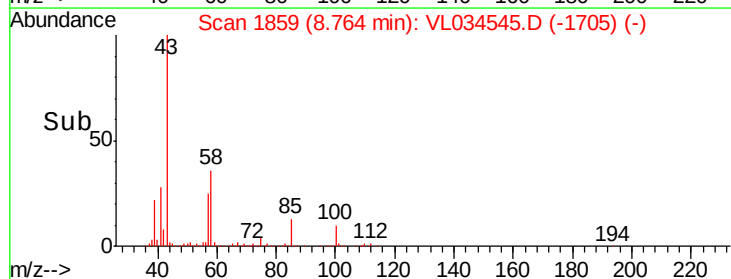
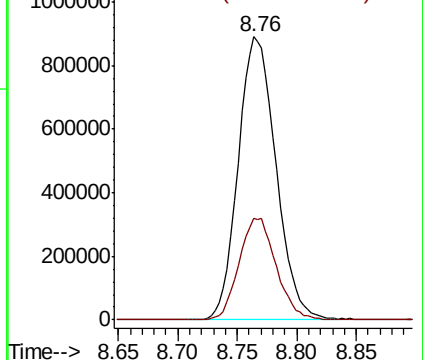
Ion Ratio Lower Upper

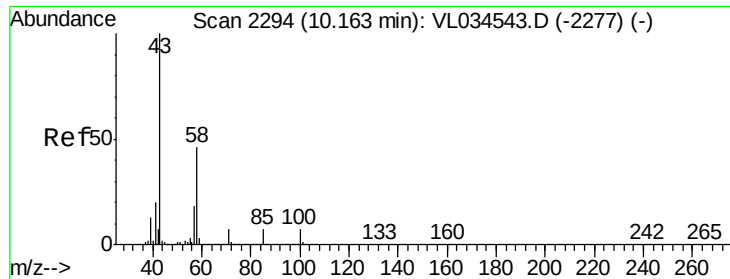
43 100

58 35.4 28.2 42.2



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





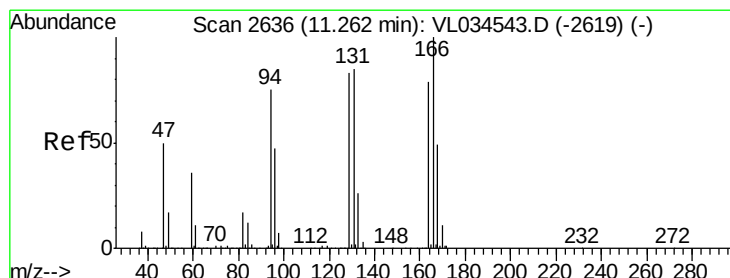
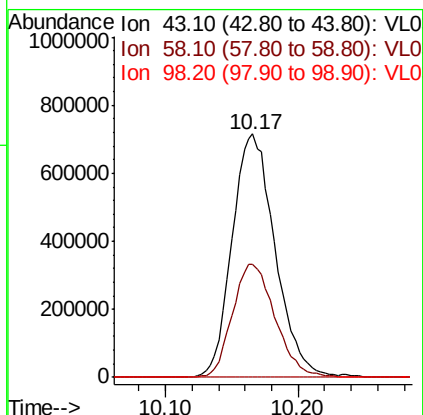
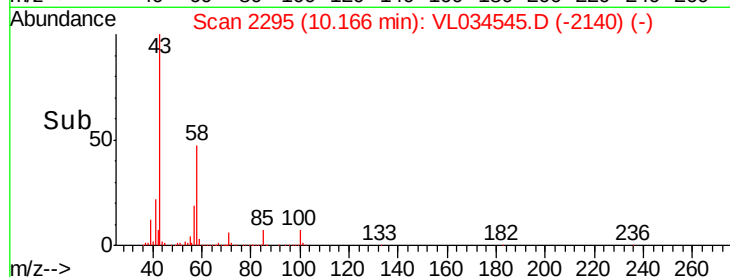
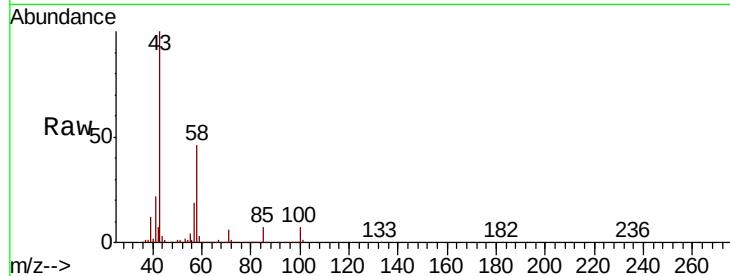
#51
2-Hexanone
Concen: 9.769 ppbv
RT: 10.17 min Scan# 2295
Delta R.T. -0.00 min
Lab File: VL034545.D
Acq: 2 Jan 2020 13:22

Instrument :
MSVOA_L
ClientSampleId :
VL0102ABS01

Tot Ion: 43 Resp: 1599927
Ion Ratio Lower Upper
43 100
58 46.5 37.4 56.0
98 0.4 0.2 0.2#

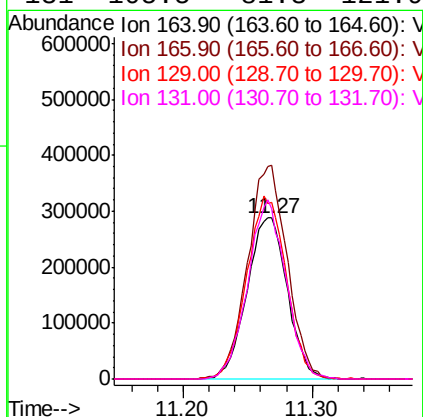
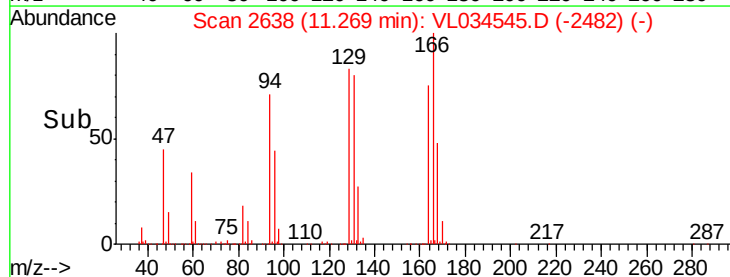
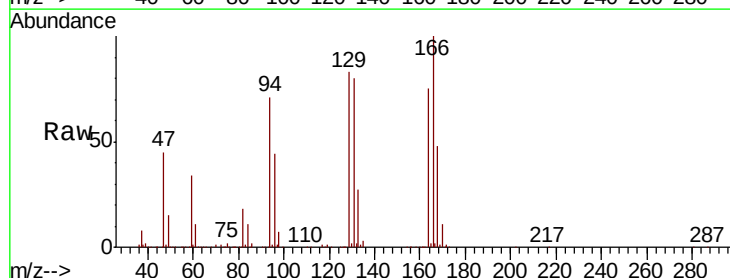
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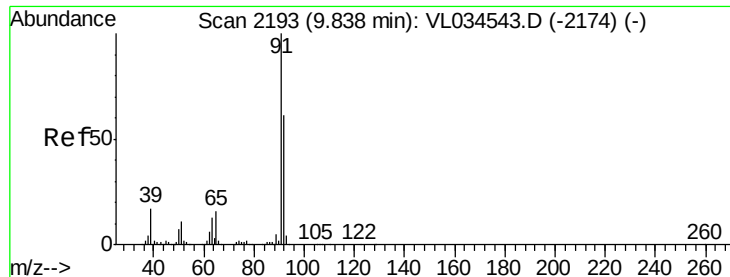
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#52
Tetrachloroethene
Concen: 9.416 ppbv
RT: 11.27 min Scan# 2638
Delta R.T. 0.00 min
Lab File: VL034545.D
Acq: 2 Jan 2020 13:22

Tgt Ion: 164 Resp: 626436
Ion Ratio Lower Upper
164 100
166 132.5 95.7 143.5
129 109.7 82.2 123.2
131 105.5 81.3 121.9





#53

Toluene

Concen: 10.005 ppbv

RT: 9.84 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VL034545.D

Acq: 2 Jan 2020 13:22

Instrument :

MSVOA_L

ClientSampleId :

VL0102ABS01

Tot Ion: 91 Resp: 1873853

Ion Ratio Lower Upper

91 100

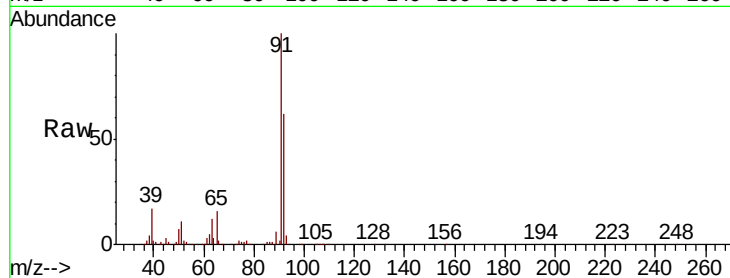
92 61.0 48.4 72.6

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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

9.84

800000

600000

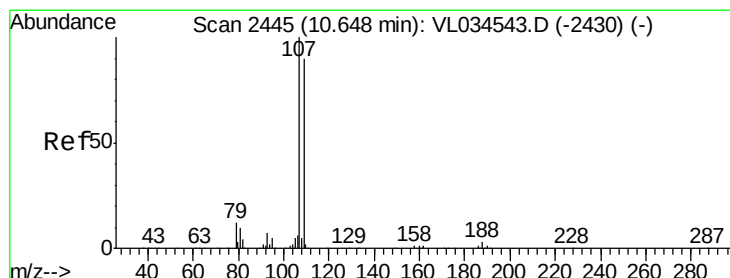
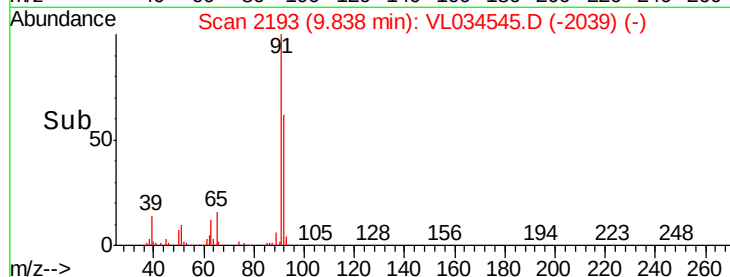
400000

200000

0

9.75 9.80 9.85 9.90 9.95

Time-->



#54

1,2-Dibromoethane

Concen: 10.074 ppbv

RT: 10.65 min Scan# 2446

Delta R.T. -0.00 min

Lab File: VL034545.D

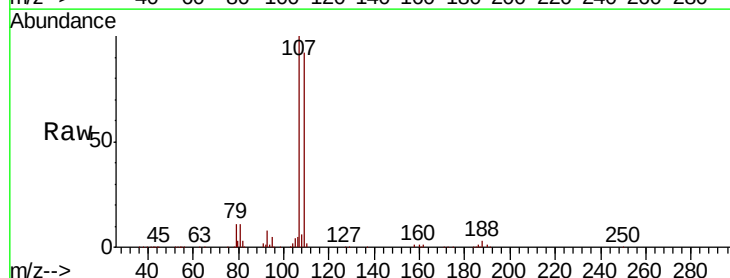
Acq: 2 Jan 2020 13:22

Tgt Ion:107 Resp: 1132913

Ion Ratio Lower Upper

107 100

109 91.5 75.5 113.3



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

10.65

600000

500000

400000

300000

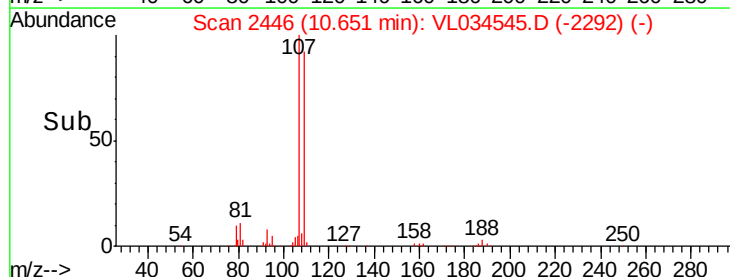
200000

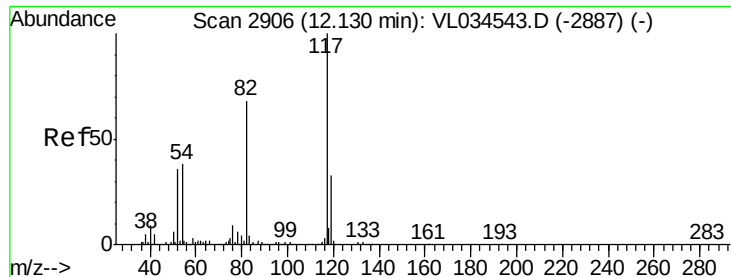
100000

0

10.60 10.70

Time-->





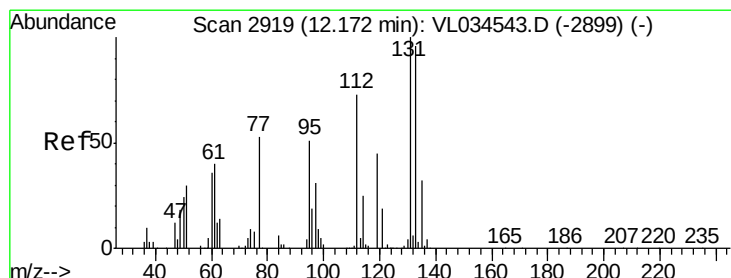
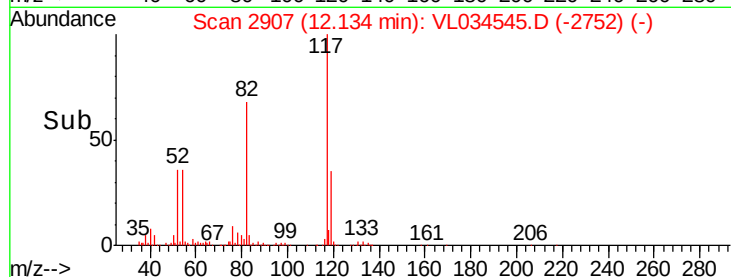
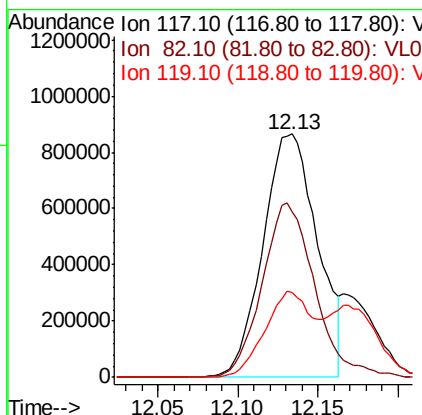
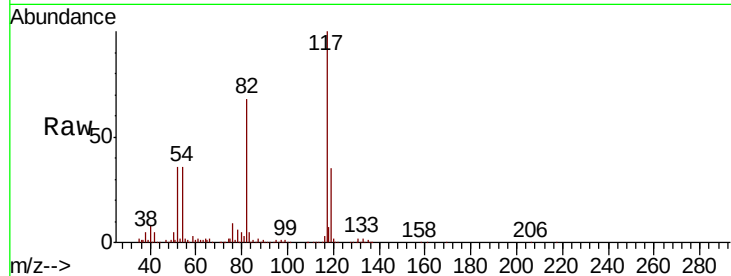
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.13 min Scan# 2907
Delta R.T. -0.00 min
Lab File: VL034545.D
Acq: 2 Jan 2020 13:22

Instrument :
MSVOA_L
ClientSampleId :
VL0102ABS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	69.6	56.2	84.4
119	32.0	27.1	40.7

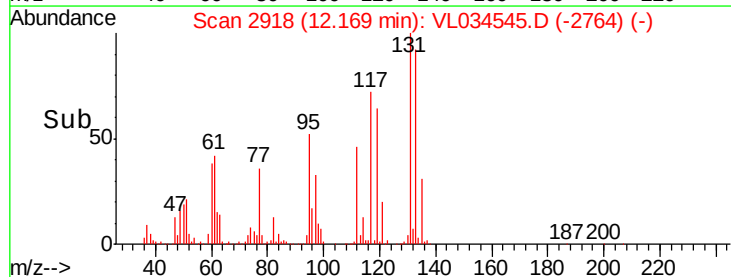
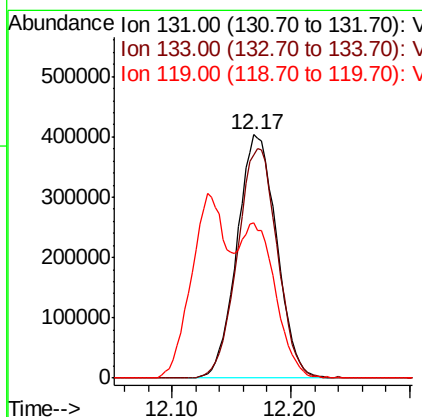
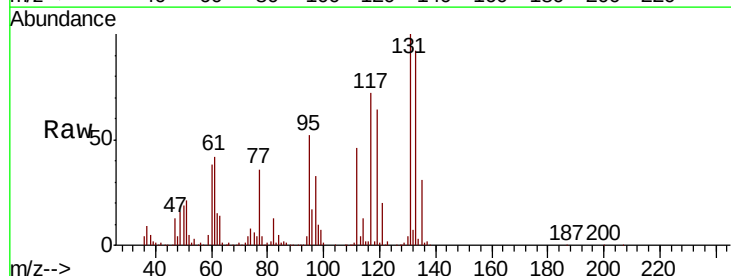
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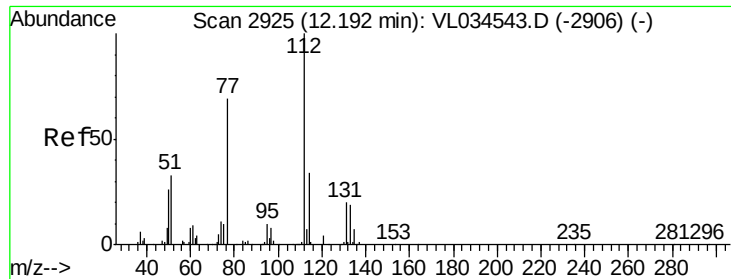
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.398 ppbv
RT: 12.17 min Scan# 2918
Delta R.T. -0.00 min
Lab File: VL034545.D
Acq: 2 Jan 2020 13:22

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.4	76.2	114.2
119	52.8	47.1	70.7





#57

Chlorobenzene

Concen: 8.964 ppbv

RT: 12.19 min Scan# 2925

Delta R.T. -0.00 min

Lab File: VL034545.D

Acq: 2 Jan 2020 13:22

Instrument :

MSVOA_L

ClientSampleId :

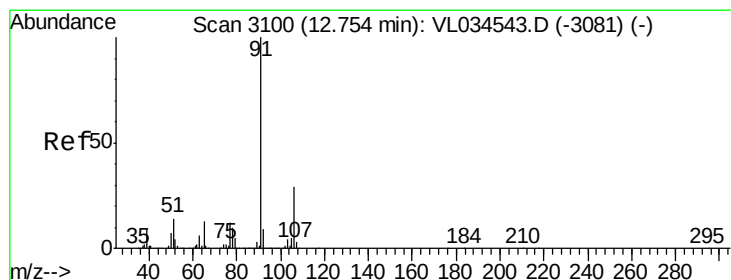
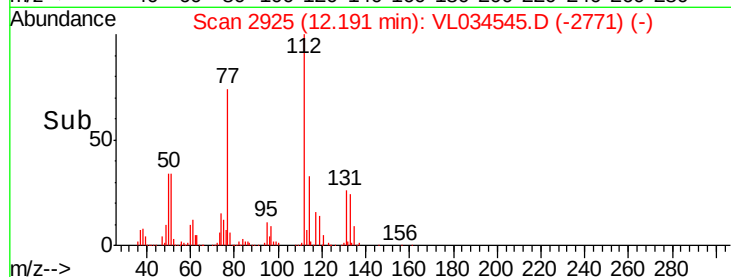
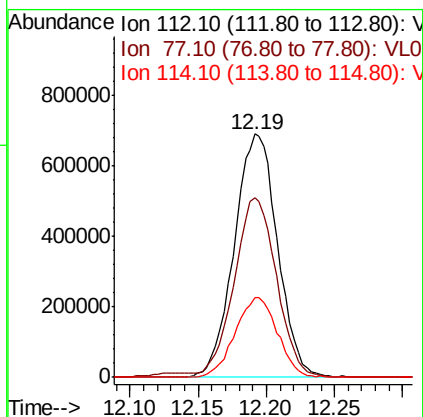
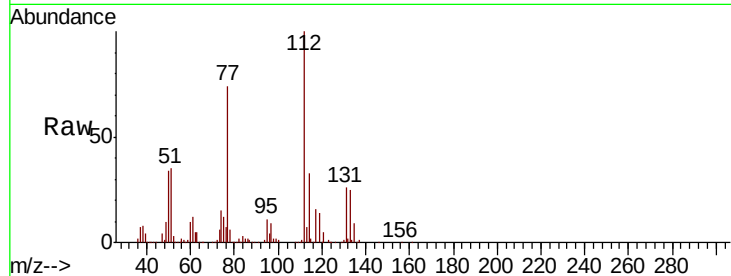
VL0102ABS01

Tot Ion: 112 Resp: 1514104

Ion	Ratio	Lower	Upper
112	100		
77	73.9	57.4	86.0
114	32.4	28.4	34.8

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#58

Ethyl Benzene

Concen: 9.704 ppbv

RT: 12.75 min Scan# 3100

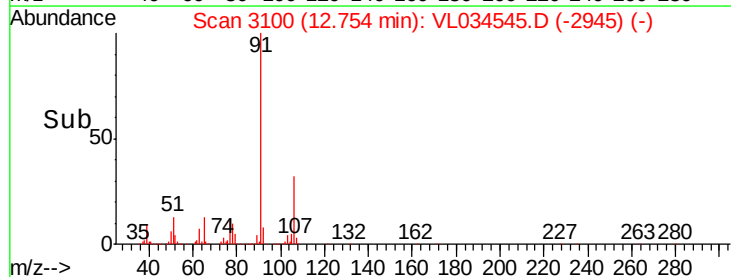
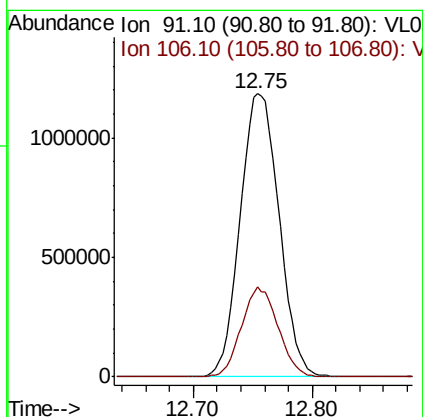
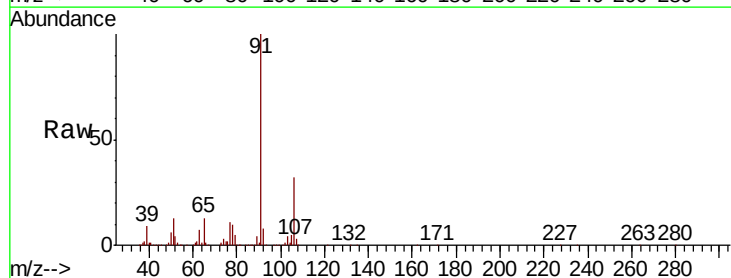
Delta R.T. -0.00 min

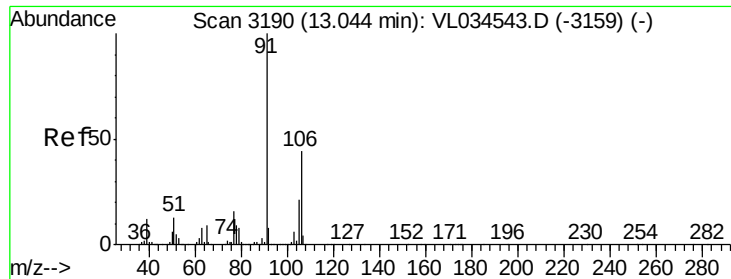
Lab File: VL034545.D

Acq: 2 Jan 2020 13:22

Tgt Ion: 91 Resp: 2679334

Ion	Ratio	Lower	Upper
91	100		
106	32.1	24.6	36.8





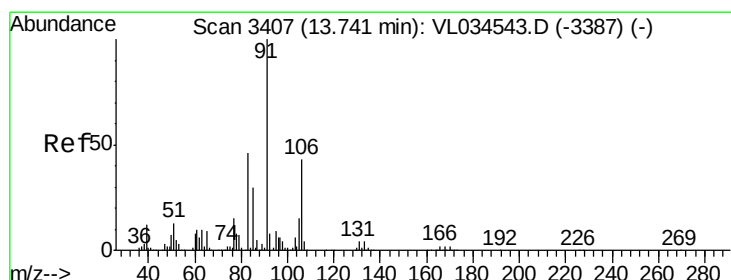
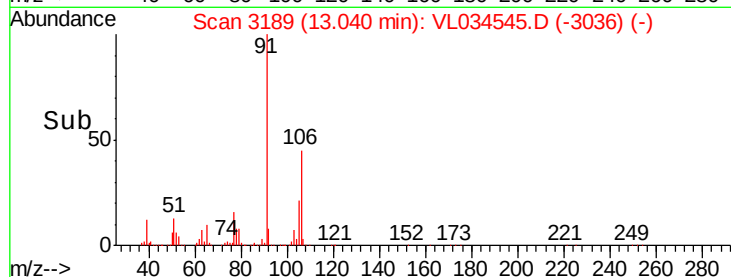
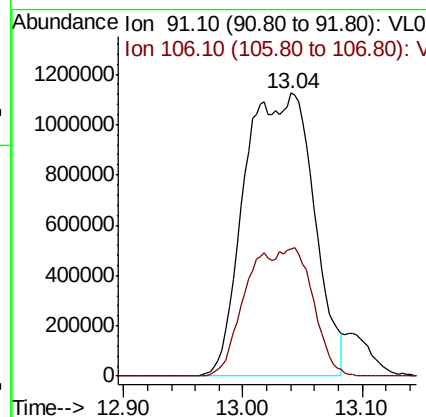
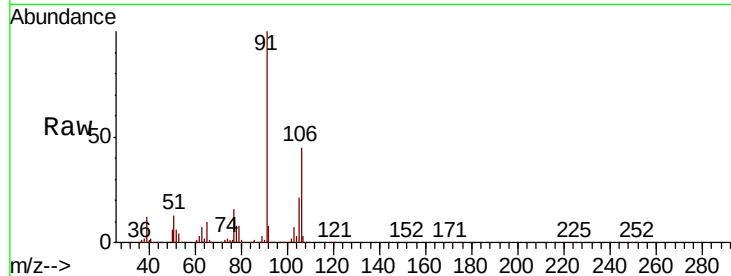
#59
m/p-Xylene
Concen: 18.691 ppbv m
RT: 13.04 min Scan# 3189
Delta R.T. -0.01 min
Lab File: VL034545.D
Acq: 2 Jan 2020 13:22

Instrument :
MSVOA_L
ClientSampleId :
VL0102ABS01

Tot Ion: 91 Resp: 4512631
Ion Ratio Lower Upper
91 100
106 43.6 35.6 53.4

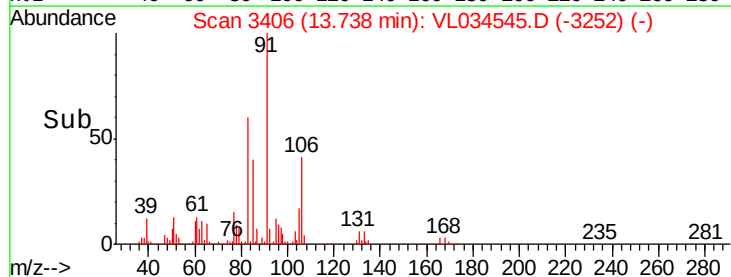
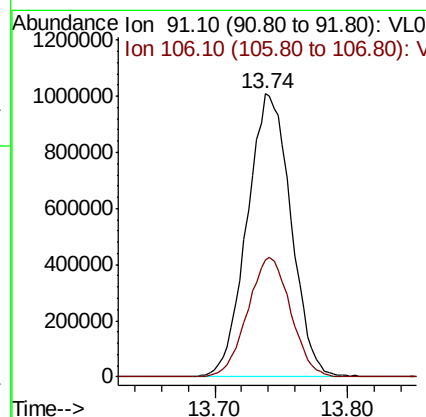
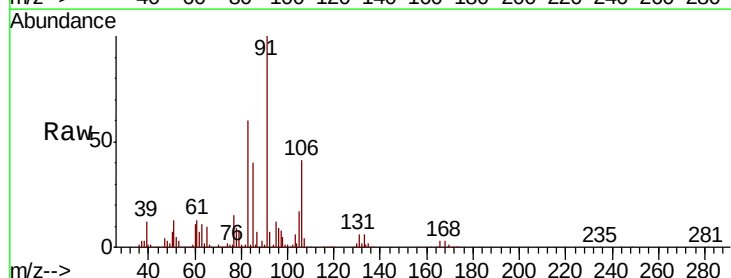
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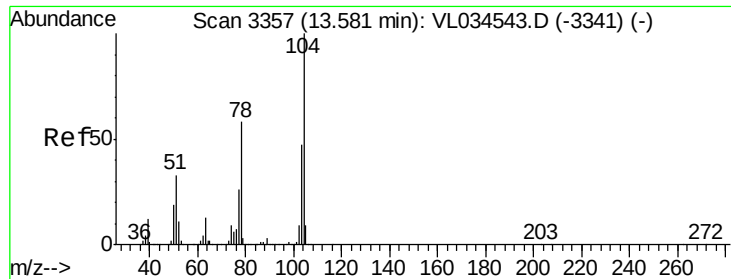
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#60
o-Xylene
Concen: 9.558 ppbv
RT: 13.74 min Scan# 3406
Delta R.T. -0.00 min
Lab File: VL034545.D
Acq: 2 Jan 2020 13:22

Tgt Ion: 91 Resp: 2315660
Ion Ratio Lower Upper
91 100
106 41.7 21.4 64.3





#61

Stvrene

Concen: 9.650 ppbv

RT: 13.58 min Scan# 3356

Delta R.T. 0.00 min

Lab File: VL034545.D

Acq: 2 Jan 2020 13:22

Instrument :

MSVOA_L

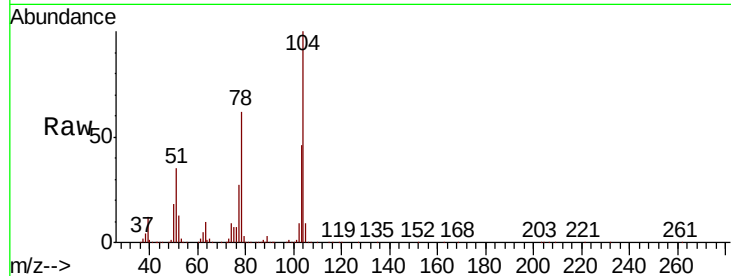
ClientSampleId :

VL0102ABS01

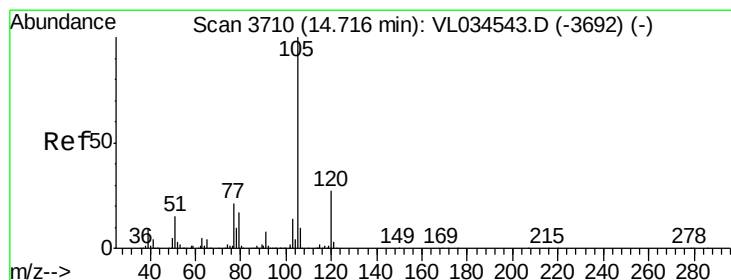
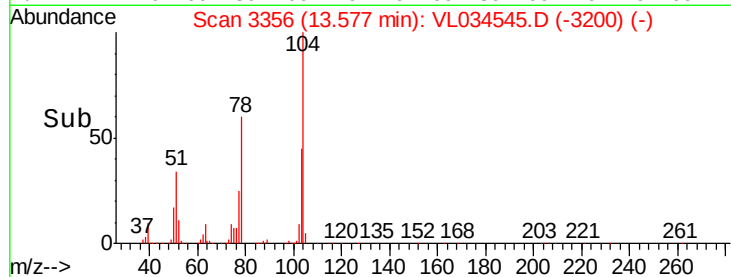
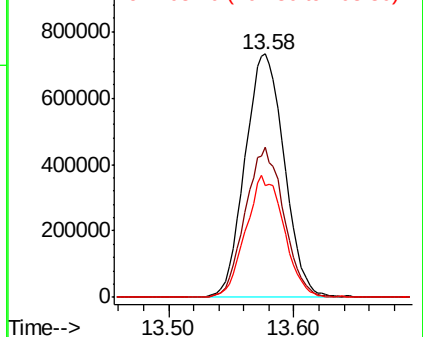
Tot Ion	Ratio	Lower	Upper
104	100		
78	60.6	47.7	71.5
103	48.7	38.6	58.0

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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: 9.531 ppbv

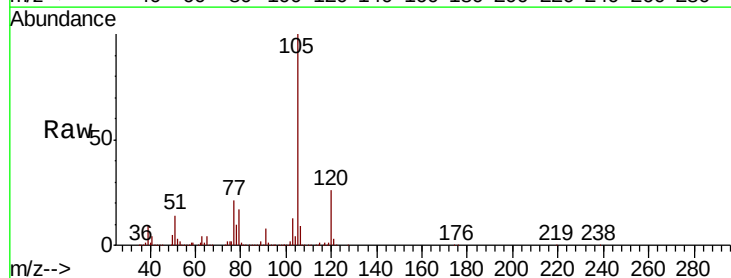
RT: 14.72 min Scan# 3711

Delta R.T. -0.00 min

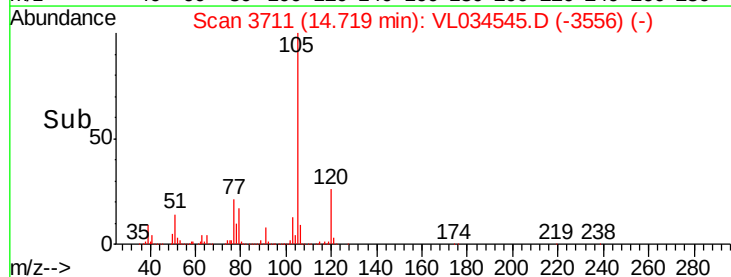
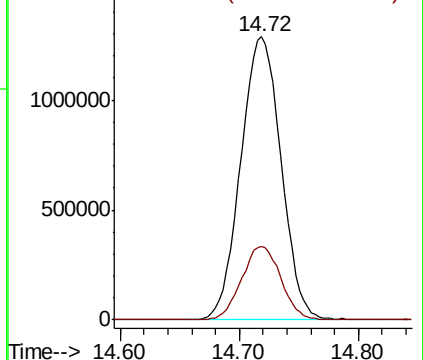
Lab File: VL034545.D

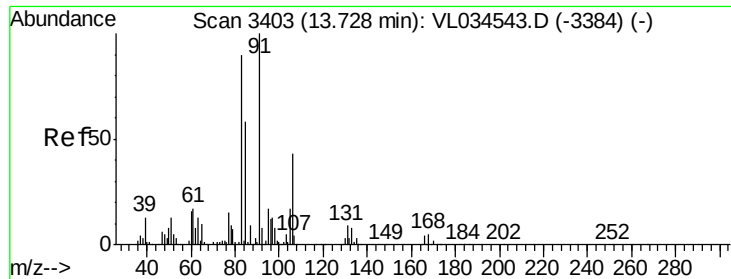
Acq: 2 Jan 2020 13:22

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.4	20.6	30.8



Abundance Ion 105.10 (104.80 to 105.80): V
Ion 120.20 (119.90 to 120.90): V





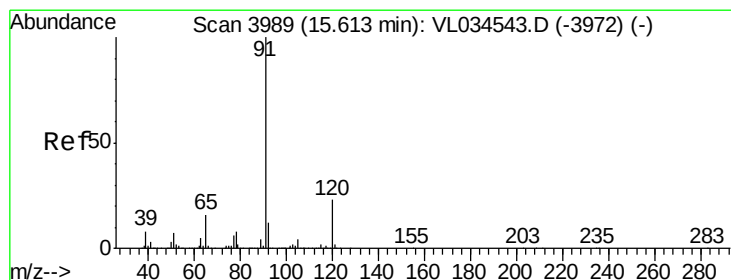
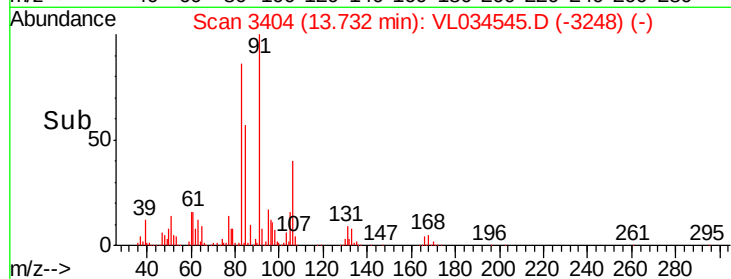
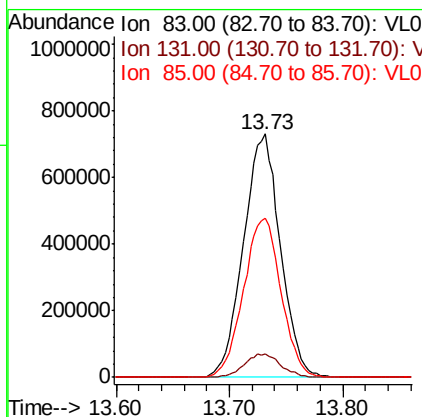
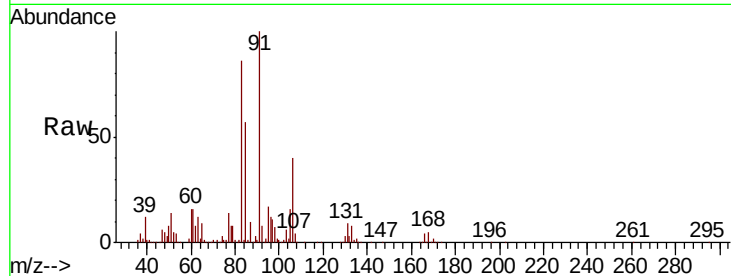
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.537 ppbv
 RT: 13.73 min Scan# 3404
 Delta R.T. 0.00 min
 Lab File: VL034545.D
 Acq: 2 Jan 2020 13:22

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0102ABS01

Tot Ion	83	Resp	1659126
Ion Ratio	100	Lower	Upper
83	100		
131	9.6	4.8	14.4
85	66.5	32.5	97.4

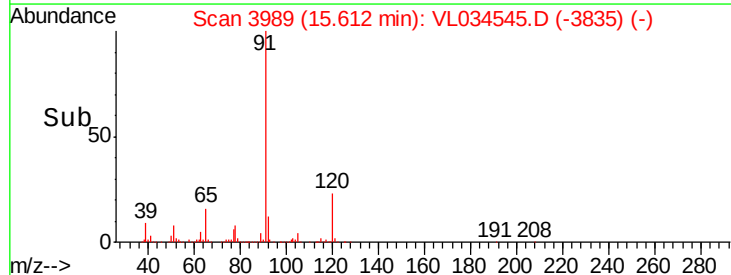
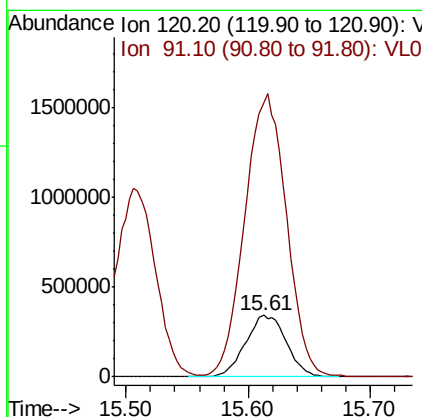
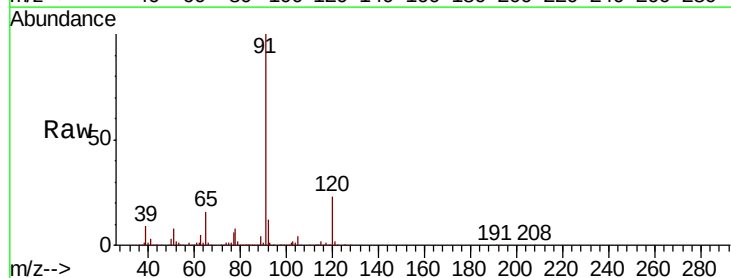
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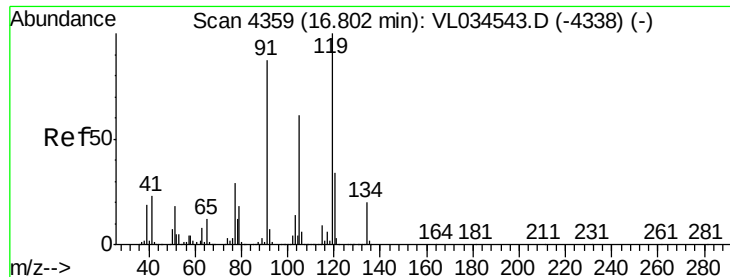
apatel
 1/3/2020 11:37:48 AM



#64
 n-propylbenzene
 Concen: 9.809 ppbv
 RT: 15.61 min Scan# 3989
 Delta R.T. -0.00 min
 Lab File: VL034545.D
 Acq: 2 Jan 2020 13:22

Tgt Ion	120	Resp	793723
Ion Ratio	100	Lower	Upper
120	100		
91	471.3	375.6	563.4





#65

tert-Butylbenzene

Concen: 9.608 ppbv

RT: 16.80 min Scan# 4358

Delta R.T. -0.00 min

Lab File: VL034545.D

Acq: 2 Jan 2020 13:22

Instrument :

MSVOA_L

ClientSampleId :

VL0102ABS01

Tot Ion:119 Resp: 2750860

Ion Ratio Lower Upper

119 100

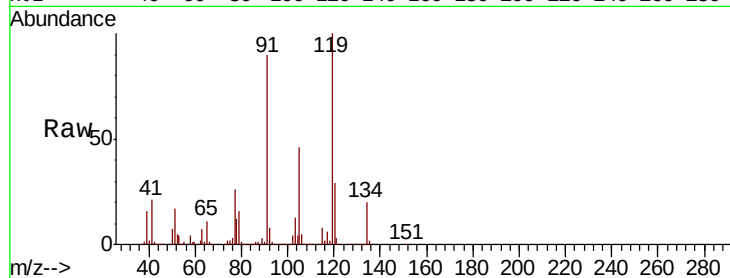
91 91.1 72.0 108.0

134 19.5 16.1 24.1

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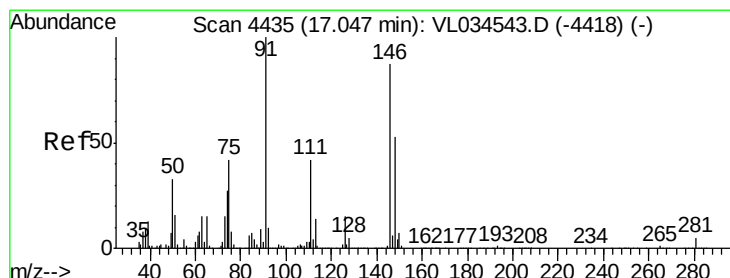
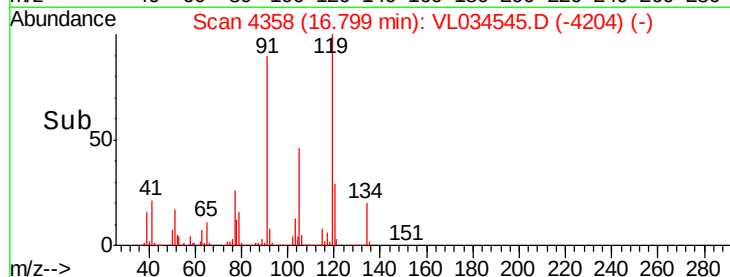
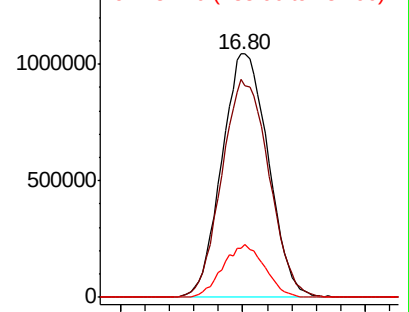
1/3/2020 11:37:48 AM



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: 10.695 ppbv

RT: 17.05 min Scan# 4435

Delta R.T. -0.00 min

Lab File: VL034545.D

Acq: 2 Jan 2020 13:22

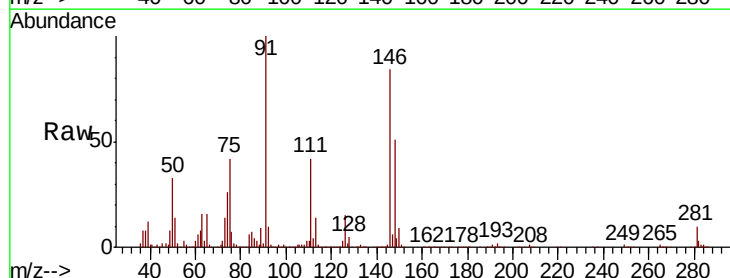
Tgt Ion: 91 Resp: 1342069

Ion Ratio Lower Upper

91 100

126 16.3 13.1 19.7

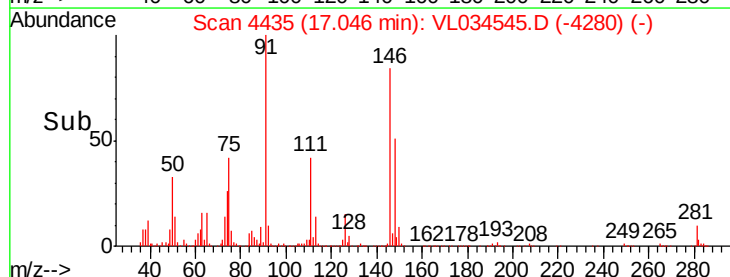
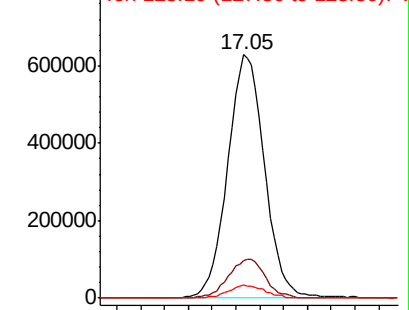
128 5.3 4.2 6.4

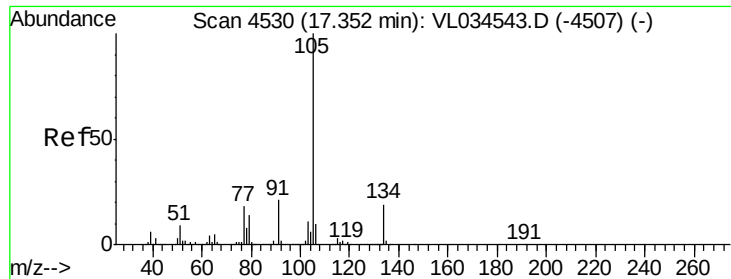


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 9.556 ppbv

RT: 17.35 min Scan# 4529

Delta R.T. -0.00 min

Lab File: VL034545.D

Acq: 2 Jan 2020 13:22

Instrument :

MSVOA_L

ClientSampleId :

VL0102ABS01

Tot Ion: 105 Resp: 3842440

Ion Ratio Lower Upper

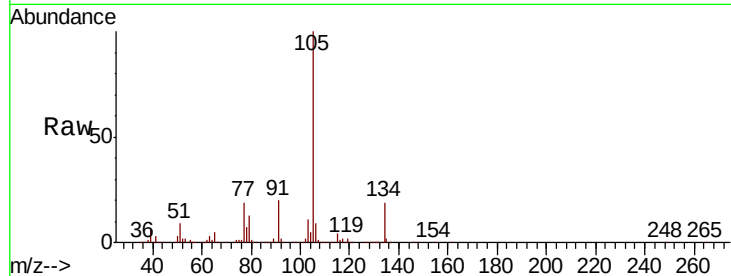
105 100

134 18.7 15.1 22.7

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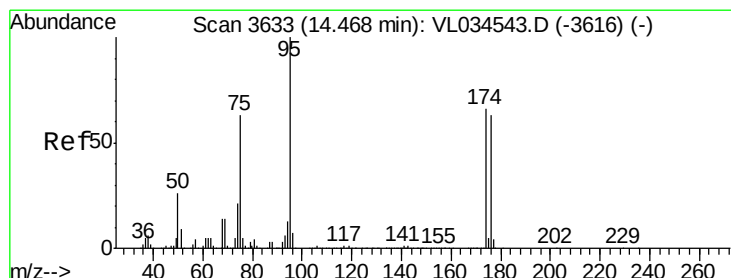
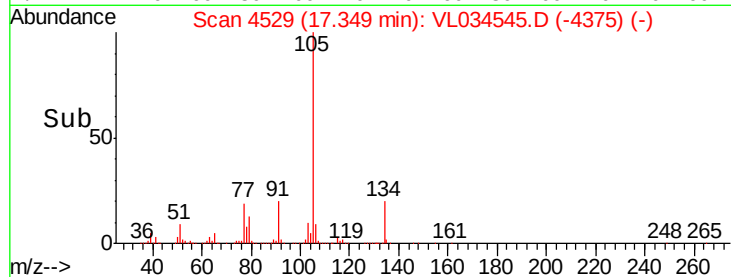
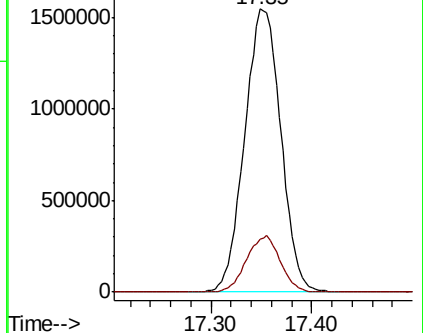
apatel

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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: 9.648 ppbv

RT: 14.47 min Scan# 3633

Delta R.T. -0.00 min

Lab File: VL034545.D

Acq: 2 Jan 2020 13:22

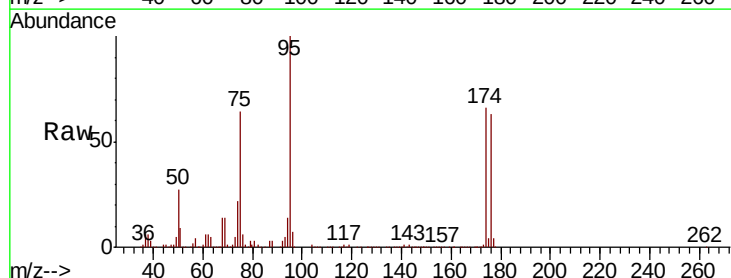
Tgt Ion: 95 Resp: 1648201

Ion Ratio Lower Upper

95 100

174 66.1 52.4 78.6

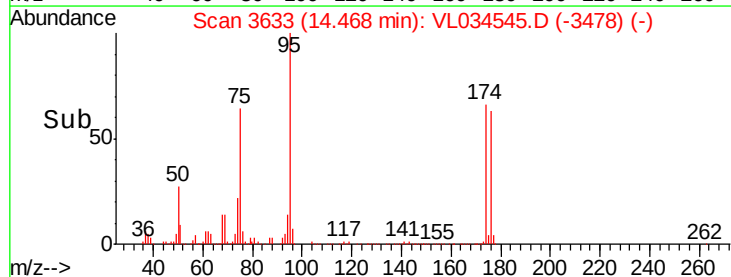
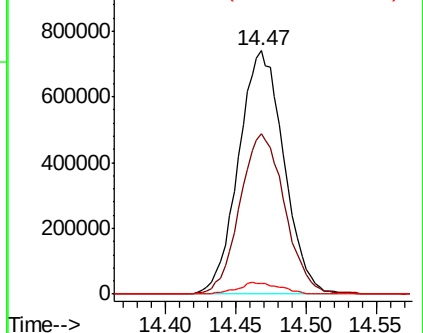
175 4.6 3.9 5.9

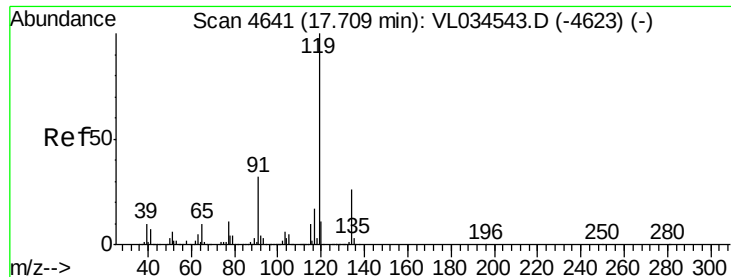


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#69

p-Isopropyltoluene

Concen: 9.779 ppbv

RT: 17.71 min Scan# 4641

Delta R.T. -0.00 min

Lab File: VL034545.D

Acq: 2 Jan 2020 13:22

Instrument :

MSVOA_L

ClientSampleId :

VL0102ABS01

Tot Ion: 119 Resp: 3188936

Ion Ratio Lower Upper

119 100

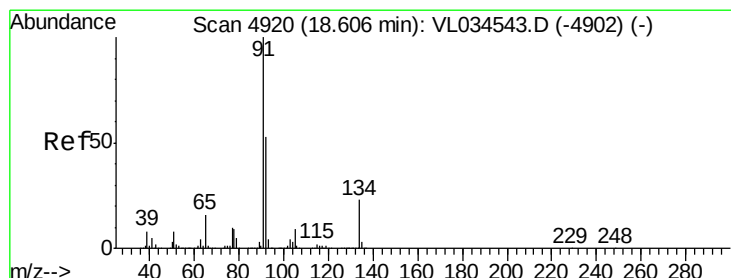
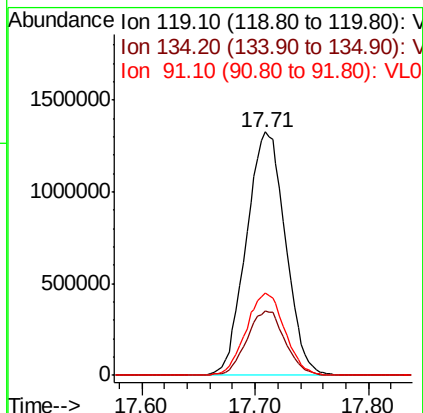
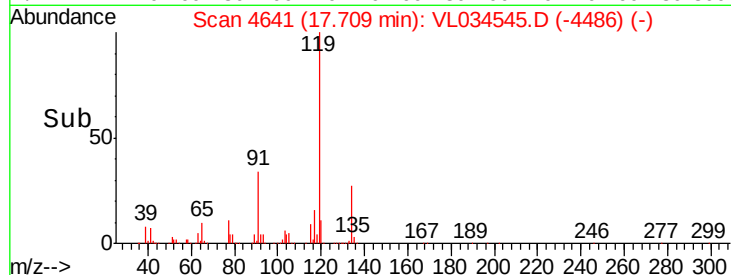
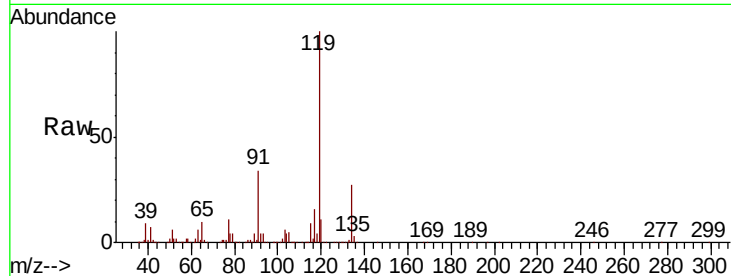
134 25.9 20.7 31.1

91 33.5 26.6 39.8

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#70

n-Butylbenzene

Concen: 9.684 ppbv

RT: 18.61 min Scan# 4921

Delta R.T. -0.00 min

Lab File: VL034545.D

Acq: 2 Jan 2020 13:22

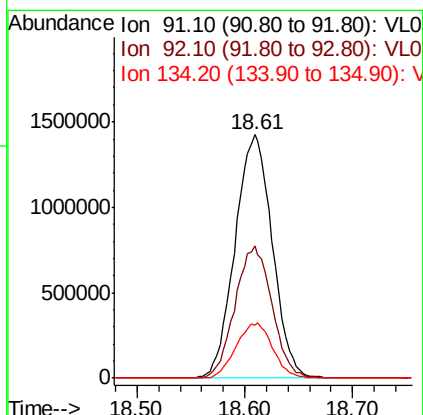
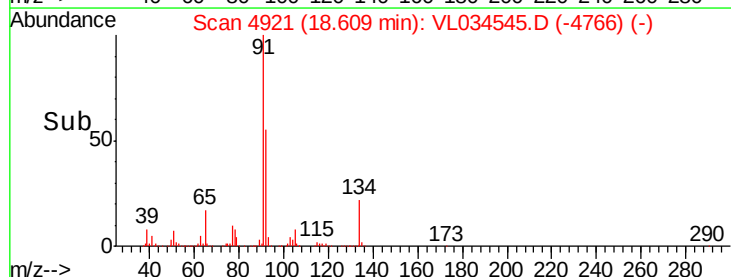
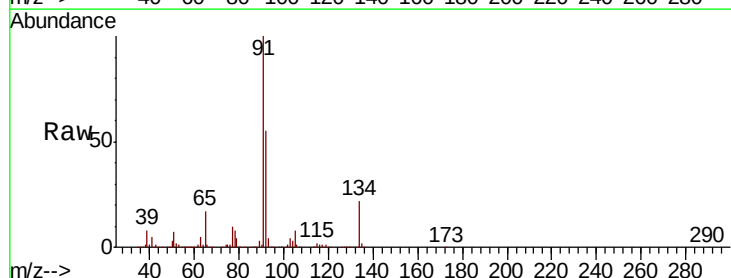
Tgt Ion: 91 Resp: 3407609

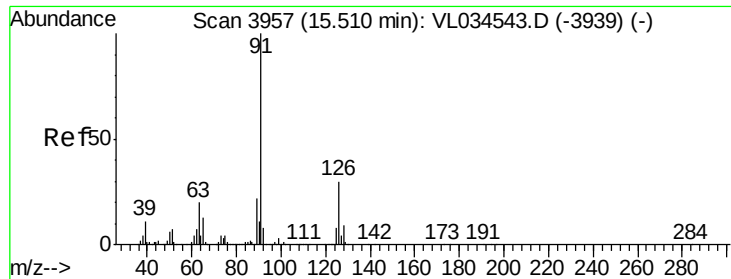
Ion Ratio Lower Upper

91 100

92 53.9 43.8 65.6

134 22.3 18.0 27.0





#71

2-Chlorotoluene

Concen: 9.705 ppbv

RT: 15.51 min Scan# 3956

Delta R.T. -0.00 min

Lab File: VL034545.D

Acq: 2 Jan 2020 13:22

Instrument :

MSVOA_L

ClientSampleId :

VL0102ABS01

Tot Ion: 91 Resp: 2388481

Ion Ratio Lower Upper

91 100

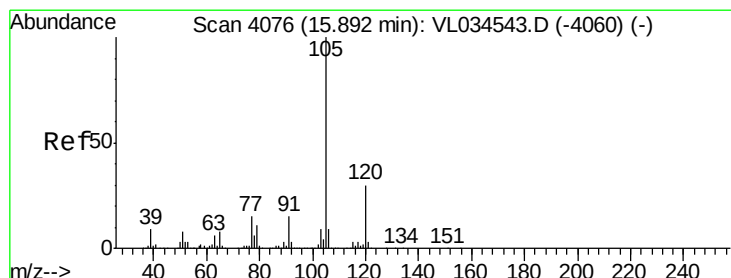
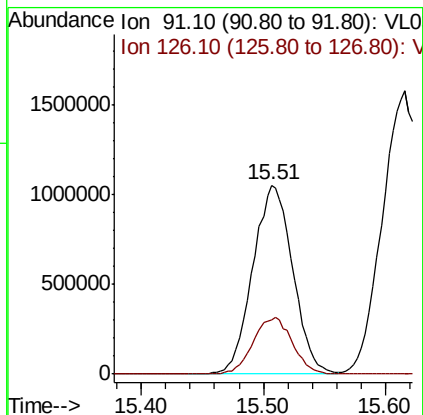
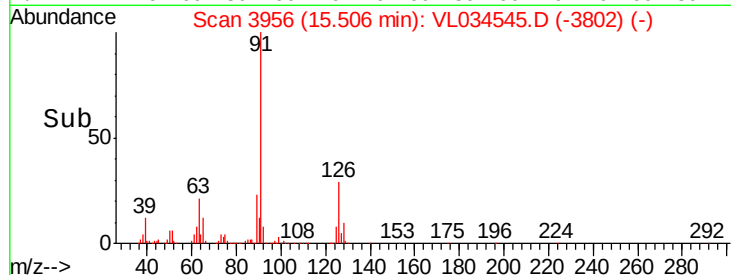
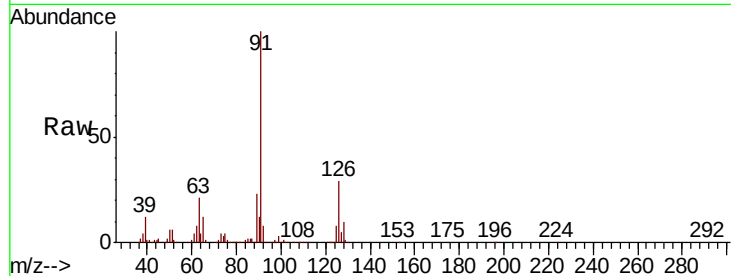
126 29.6 12.0 47.8

Manual Integrations

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#72

4-Ethyltoluene

Concen: 9.704 ppbv

RT: 15.89 min Scan# 4075

Delta R.T. -0.00 min

Lab File: VL034545.D

Acq: 2 Jan 2020 13:22

Tgt Ion:105 Resp: 2630725

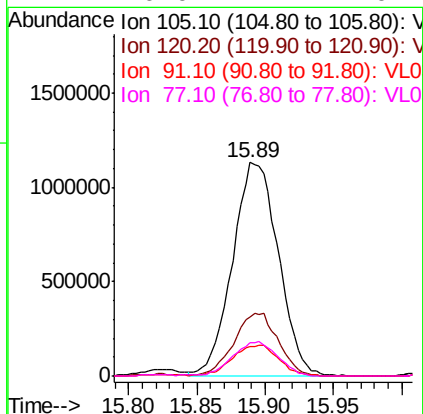
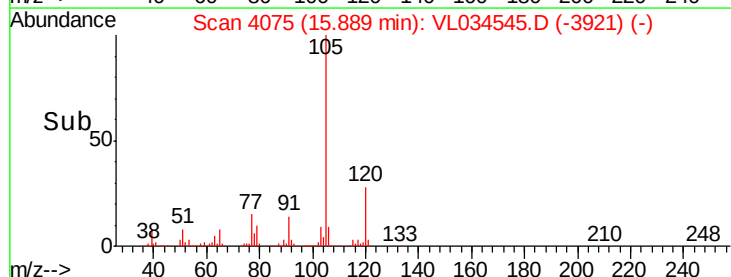
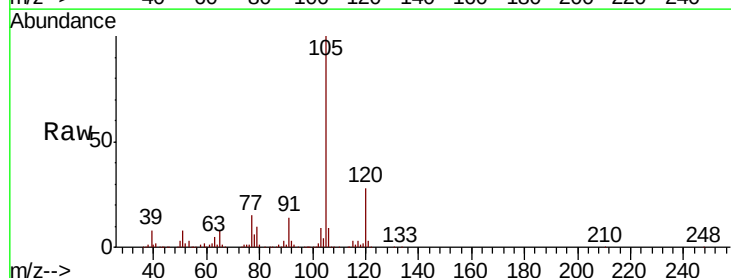
Ion Ratio Lower Upper

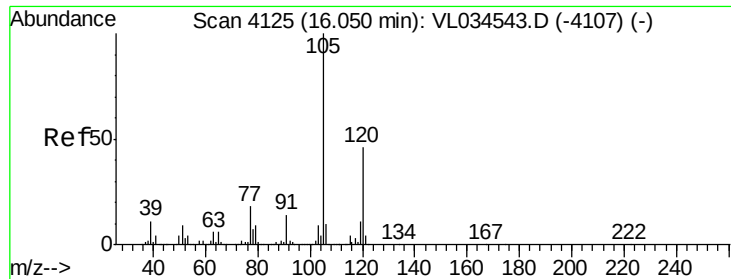
105 100

120 28.6 23.7 35.5

91 14.5 11.5 17.3

77 16.0 12.7 19.1





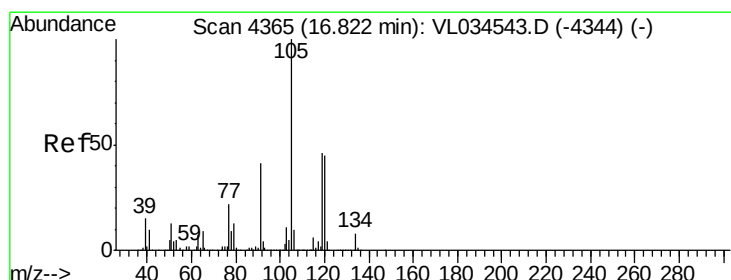
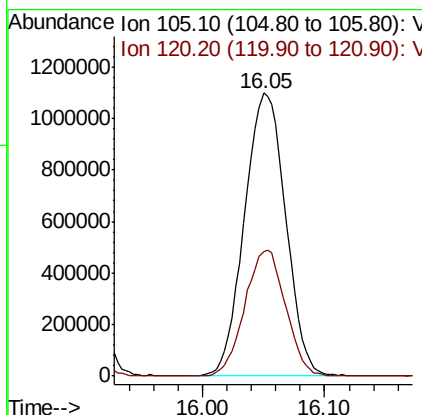
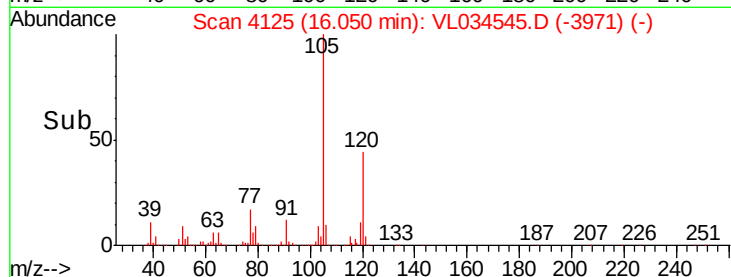
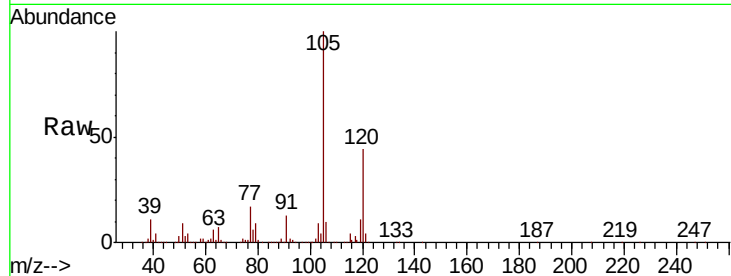
#73
 1,3,5-Trimethylbenzene
 Concen: 9.653 ppbv
 RT: 16.05 min Scan# 4125
 Delta R.T. -0.00 min
 Lab File: VL034545.D
 Acq: 2 Jan 2020 13:22

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0102ABS01

Tot Ion:105 Resp: 2567484
 Ion Ratio Lower Upper
 105 100
 120 44.2 34.6 52.0

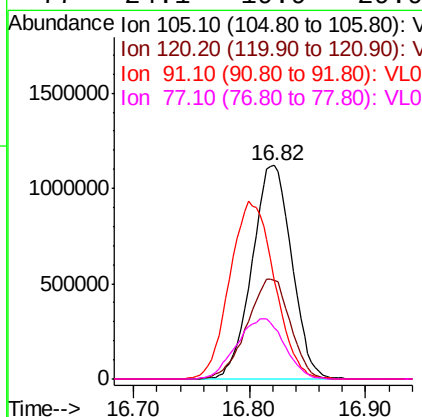
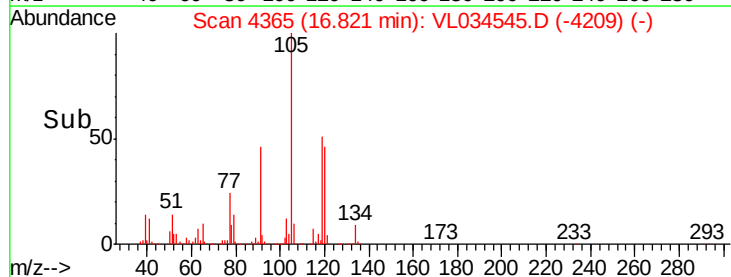
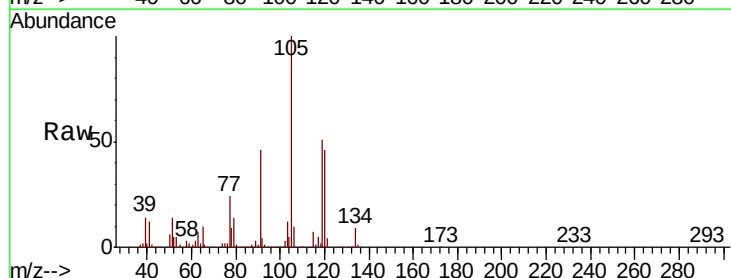
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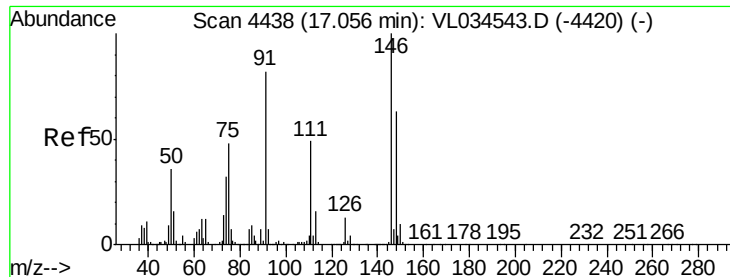
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#74
 1,2,4-Trimethylbenzene
 Concen: 9.376 ppbv
 RT: 16.82 min Scan# 4365
 Delta R.T. 0.00 min
 Lab File: VL034545.D
 Acq: 2 Jan 2020 13:22

Tgt Ion:105 Resp: 2667604
 Ion Ratio Lower Upper
 105 100
 120 46.0 36.7 55.1
 91 46.2 44.0 66.0
 77 24.1 19.9 29.9





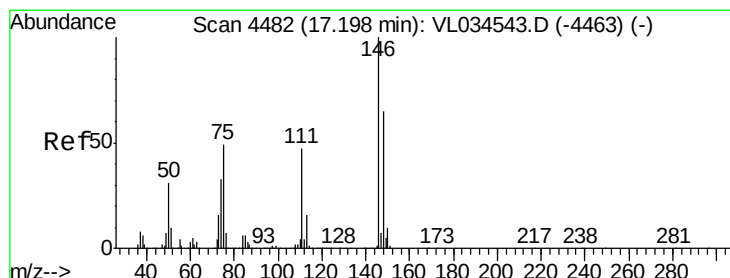
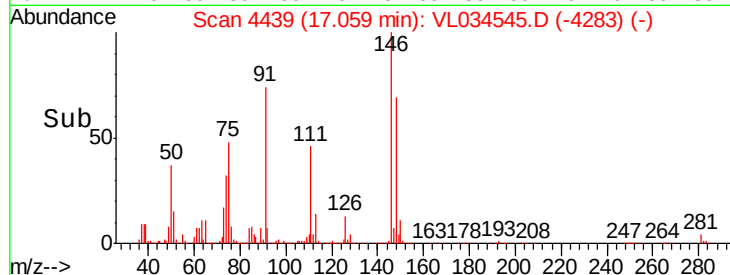
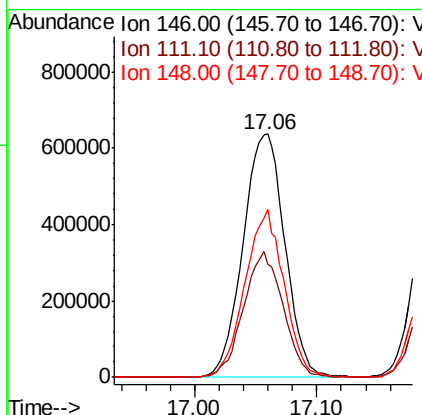
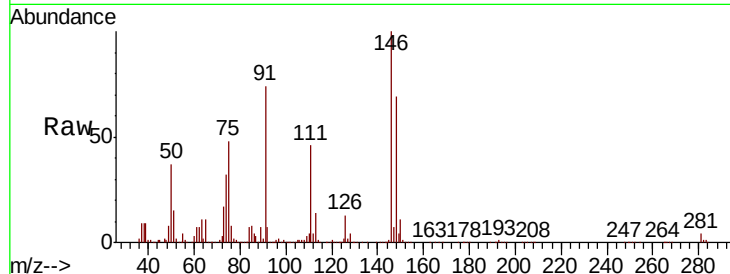
#75
 1,3-Dichlorobenzene
 Concen: 8.869 ppbv
 RT: 17.06 min Scan# 4439
 Delta R.T. 0.00 min
 Lab File: VL034545.D
 Acq: 2 Jan 2020 13:22

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0102ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.9	25.1	75.3
148	64.3	33.0	99.0

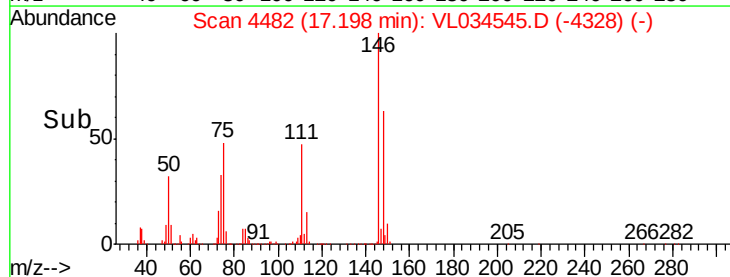
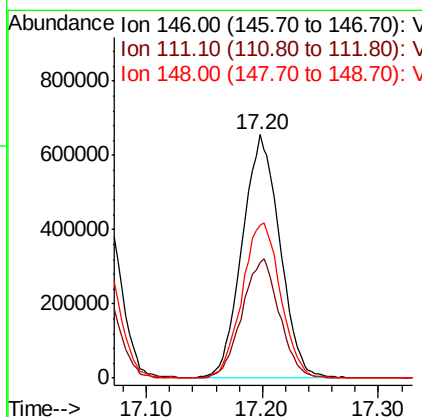
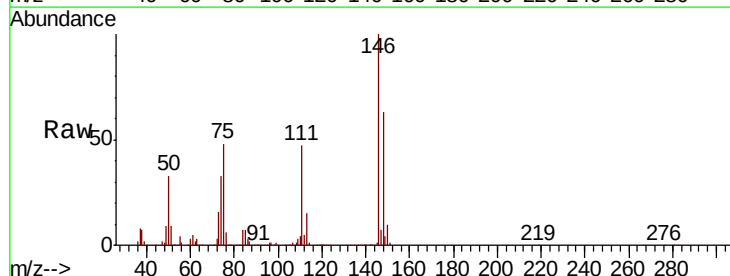
Manual Integrations
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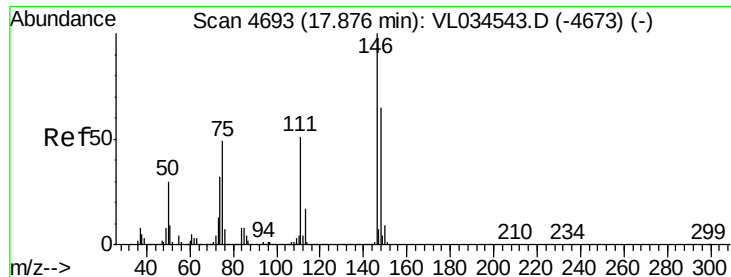
apatel
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#76
 1,4-Dichlorobenzene
 Concen: 8.979 ppbv
 RT: 17.20 min Scan# 4482
 Delta R.T. -0.00 min
 Lab File: VL034545.D
 Acq: 2 Jan 2020 13:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	49.1	23.5	70.6
148	65.4	32.1	96.3





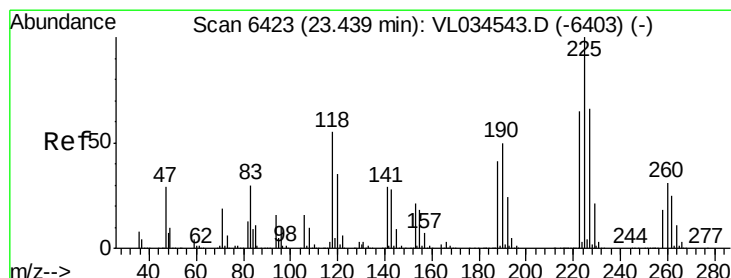
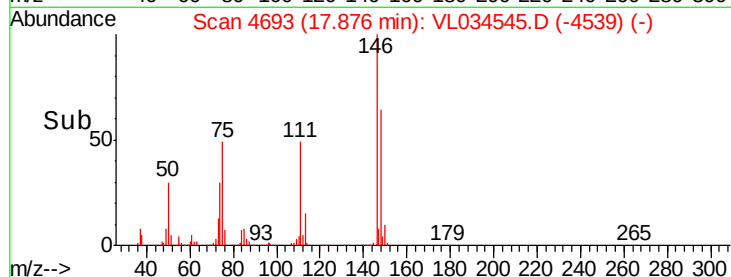
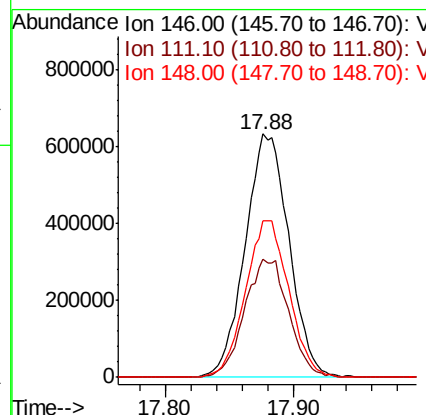
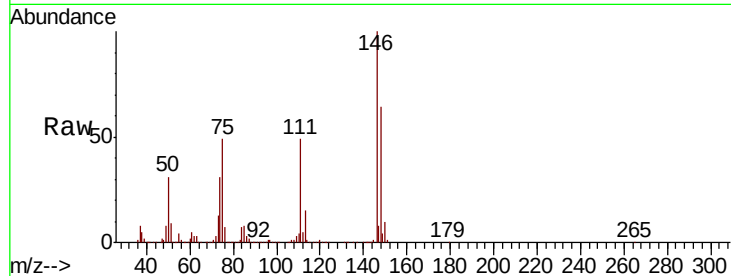
#77
 1,2-Dichlorobenzene
 Concen: 9.343 ppbv
 RT: 17.88 min Scan# 4693
 Delta R.T. -0.00 min
 Lab File: VL034545.D
 Acq: 2 Jan 2020 13:22

Instrument :
 MSVOA_L
 ClientSampled :
 VL0102ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	49.2	25.3	75.8
148	63.9	32.1	96.3

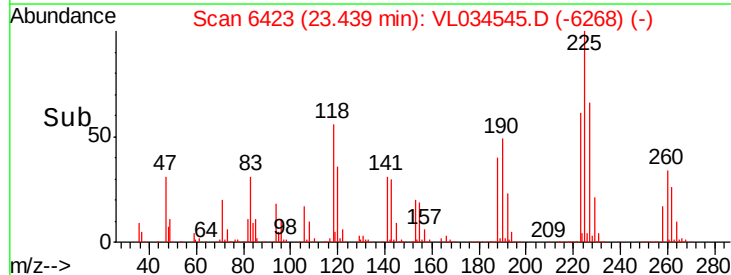
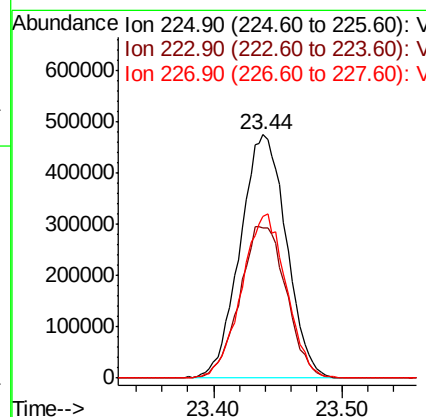
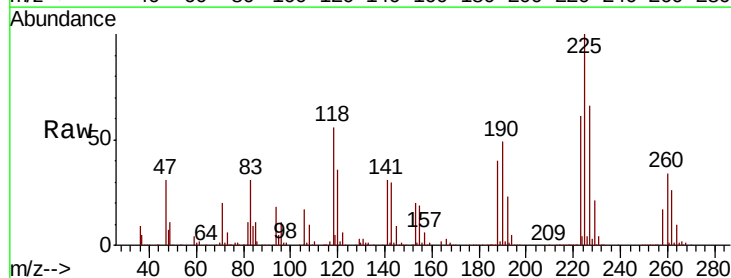
Manual Integrations
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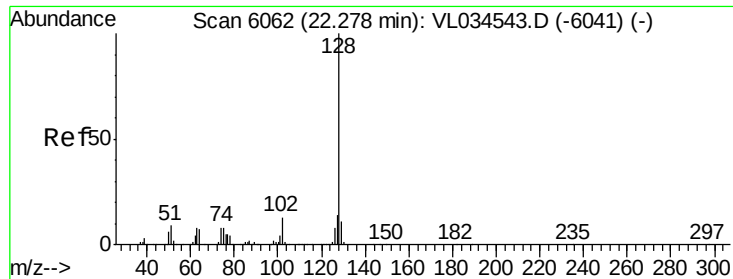
apatel
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#78
 Hexachloro-1,3-Butadiene
 Concen: 7.801 ppbv
 RT: 23.44 min Scan# 6423
 Delta R.T. -0.00 min
 Lab File: VL034545.D
 Acq: 2 Jan 2020 13:22

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	51.0	76.6
227	65.1	51.8	77.6





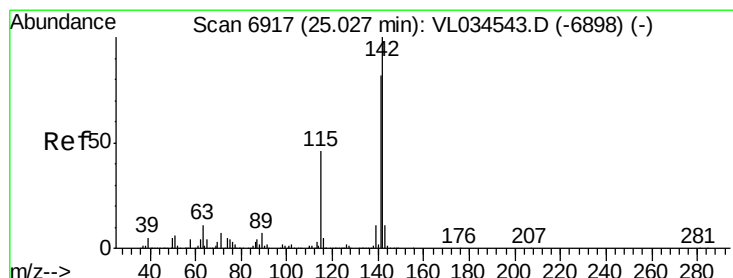
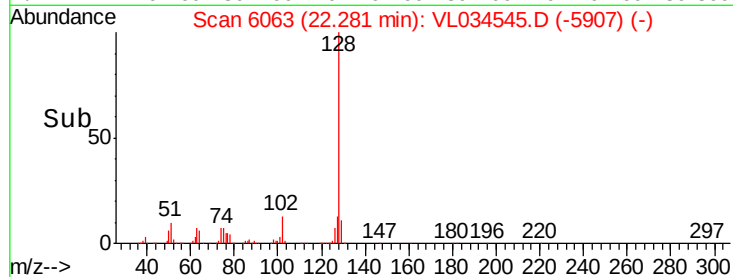
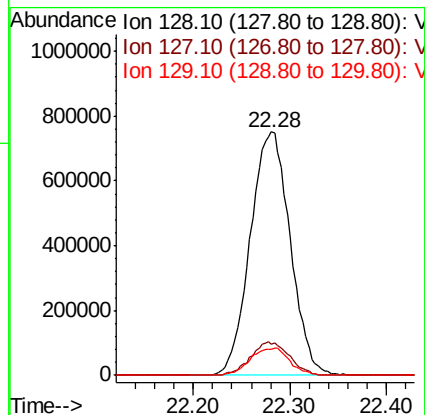
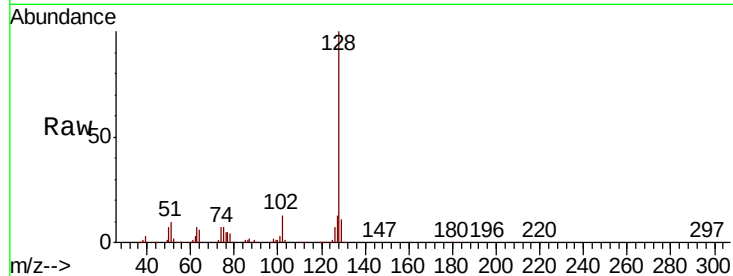
#79
Naphthalene
Concen: 10.041 ppbv
RT: 22.28 min Scan# 6063
Delta R.T. 0.00 min
Lab File: VL034545.D
Acq: 2 Jan 2020 13:22

Instrument :
MSVOA_L
ClientSampleId :
VL0102ABS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.6	15.8
129	10.7	8.7	13.1

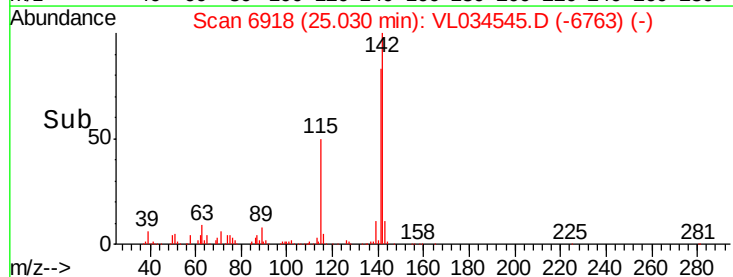
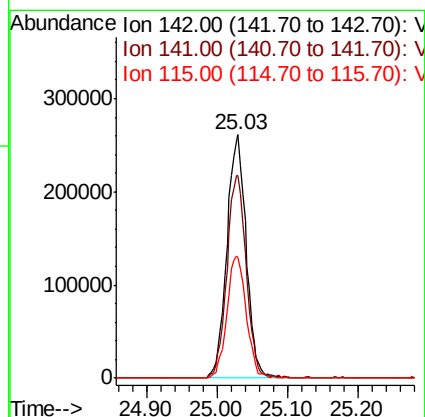
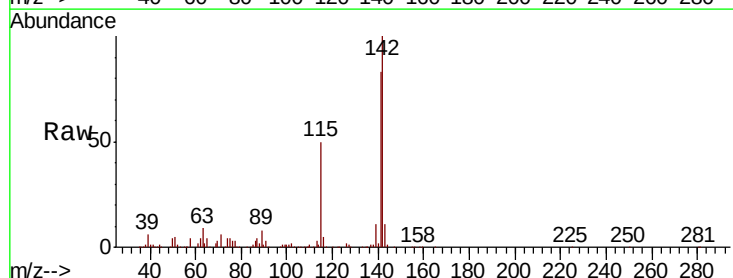
Manual Integrations
APPROVED

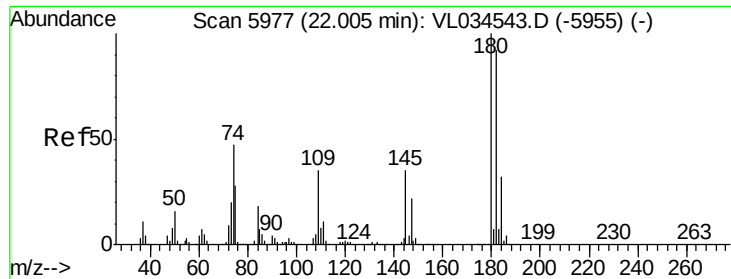
apatel
1/3/2020 11:37:48 AM



#80
Naphthalene, 2-methyl-
Concen: 8.461 ppbv
RT: 25.03 min Scan# 6918
Delta R.T. -0.00 min
Lab File: VL034545.D
Acq: 2 Jan 2020 13:22

Tgt Ion	Ratio	Lower	Upper
142	100		
141	83.8	65.8	98.8
115	50.3	30.4	45.6#





#81
 1,2,4-Trichlorobenzene
 Concen: 8.883 ppbv
 RT: 22.01 min Scan# 5979
 Delta R.T. 0.00 min
 Lab File: VL034545.D
 Acq: 2 Jan 2020 13:22

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0102ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.2	77.8	116.8
184	30.5	25.2	37.8

Manual Integrations
 APPROVED

apatel
 1/3/2020 11:37:48 AM

