

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL123019\
 Data File : VL034510.D
 Acq On : 30 Dec 2019 11:05
 Operator : SY/AP
 Sample : VSTDIC002
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Manual Integrations
 APPROVED

apatel
 1/2/2020 10:48:34 AM

Quant Time: Dec 30 14:28:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL123019AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 30 2019
 QLast Update : Mon Dec 30 14:19:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1113972	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2240781	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.13	117	2269189	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.47	95	1813045	9.50	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.02	85	322341	1.599 ppbv	92
3) Chlorodifluoromethane	2.96	51	281591	2.026 ppbv	100
4) Chloromethane	3.11	50	161281	1.967 ppbv	92
5) Vinyl Chloride	3.23	62	150630	1.961 ppbv	93
6) Bromomethane	3.45	94	79499	2.057 ppbv	91
7) Chloroethane	3.53	64	56235	2.017 ppbv	91
8) Dichlorotetrafluoroethane	3.16	85	382816	2.115 ppbv	95
9) Propene	2.98	41	107291	1.739 ppbv	97
10) Heptane	8.15	43	281757	1.769 ppbv	99
11) Trichlorofluoromethane	3.93	101	430451	2.146 ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.47	101	278682	2.092 ppbv	99
13) Ethanol	3.58	45	34687	2.018 ppbv	92
14) Bromoethene	3.72	108	106376	1.964 ppbv	96
15) Acetone	3.83	43	356094	2.232 ppbv	96
16) 1,3-Butadiene	3.30	39	129540	1.864 ppbv	96
17) tert-Butyl alcohol	4.28	59	283398	2.114 ppbv	99
18) 1,1-Dichloroethene	4.27	96	119272	2.047 ppbv	95
19) Isopropyl Alcohol	3.95	45	229913	2.249 ppbv	# 98
20) Methylene Chloride	4.33	84	146843	2.596 ppbv	94
21) Allyl Chloride	4.40	41	192442	2.013 ppbv	97
22) trans-1,2-Dichloroethene	4.88	96	118036	2.010 ppbv	97
23) Vinyl Acetate	5.07	43	418128	2.007 ppbv	# 99
24) 1,1-Dichloroethane	5.00	63	319952	1.999 ppbv	97
25) Ethyl Acetate	5.68	43	548639	1.927 ppbv	99
26) Hexane	5.69	57	229918	1.880 ppbv	98
27) Carbon Disulfide	4.54	76	283257	2.126 ppbv	95
28) Methyl tert-Butyl Ether	5.03	73	394717	1.946 ppbv	100
29) Chloroform	5.76	83	394980	1.994 ppbv	97
30) Cyclohexane	7.14	84	167266	1.809 ppbv	98
31) cis-1,2-Dichloroethene	5.55	61	230921	1.827 ppbv	93
32) 1,1,1-Trichloroethane	6.52	97	389294	2.096 ppbv	100
34) 2-Butanone	5.24	43	341485	1.851 ppbv	100
35) Carbon Tetrachloride	7.03	117	419295	2.176 ppbv	93
36) Benzene	6.90	78	421341	1.881 ppbv	98
37) 1,2-Dichloroethane	6.32	62	330283	1.985 ppbv	99
38) Trichloroethene	7.86	130	167597	1.823 ppbv	89
39) 1,2-Dichloropropane	7.64	63	171999	1.993 ppbv	95
40) 1,4-Dioxane	7.87	88	74783m	1.984 ppbv	
41) Tetrahydrofuran	6.06	42	179558	1.736 ppbv	97
42) Bromodichloromethane	7.81	83	417302	2.005 ppbv	97
43) Methyl Methacrylate	8.03	69	169762	1.827 ppbv	99

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Manual Integrations
 APPROVED

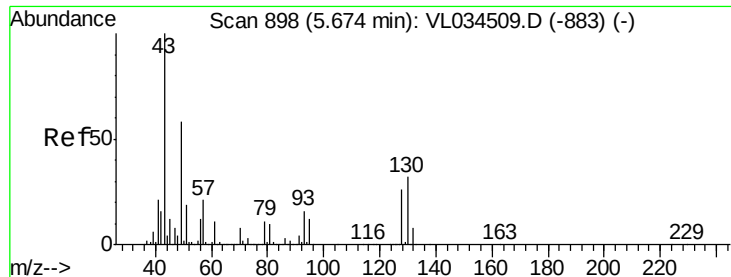
apatel
 1/2/2020 10:48:34 AM

Quant Time: Dec 30 14:28:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL123019AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 30 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.89	57	782007	1.910	ppbv	99
45) t-1,3-Dichloropropene	9.31	75	211285	1.773	ppbv	96
46) cis-1,3-Dichloropropene	8.73	75	248359	1.856	ppbv	99
47) 1,1,2-Trichloroethane	9.51	97	182913	1.905	ppbv	98
48) Dibromochloromethane	10.34	129	330927	2.008	ppbv	99
49) Bromoform	13.09	173	295422	2.008	ppbv	99
50) 4-Methyl-2-Pentanone	8.77	43	507540	1.902	ppbv	100
51) 2-Hexanone	10.17	43	416743	1.864	ppbv #	97
52) Tetrachloroethene	11.27	164	160643m	1.658	ppbv	
53) Toluene	9.84	91	468510	1.841	ppbv	99
54) 1,2-Dibromoethane	10.65	107	277516	1.886	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.17	131	230872	2.080	ppbv #	1
57) Chlorobenzene	12.19	112	391433	1.908	ppbv	97
58) Ethyl Benzene	12.75	91	678030	1.925	ppbv	95
59) m/p-Xylene	13.04	91	1187840m	3.902	ppbv	
60) o-Xylene	13.74	91	580085	1.927	ppbv	99
61) Styrene	13.58	104	404270	1.863	ppbv	99
62) Isopropylbenzene	14.72	105	760698	1.911	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.73	83	427658	1.890	ppbv	99
64) n-propylbenzene	15.62	120	190092	1.839	ppbv	80
65) tert-Butylbenzene	16.80	119	723826	2.024	ppbv	98
66) Benzyl Chloride	17.04	91	294130m	2.138	ppbv	
67) sec-Butylbenzene	17.35	105	1015569	2.031	ppbv	97
69) p-Isopropyltoluene	17.70	119	833233	2.007	ppbv	99
70) n-Butylbenzene	18.60	91	907758	2.032	ppbv	96
71) 2-Chlorotoluene	15.51	91	610556	1.924	ppbv	99
72) 4-Ethyltoluene	15.89	105	673611	1.937	ppbv	98
73) 1,3,5-Trimethylbenzene	16.05	105	652429	1.917	ppbv	99
74) 1,2,4-Trimethylbenzene	16.82	105	696481	1.926	ppbv	98
75) 1,3-Dichlorobenzene	17.05	146	401585m	1.932	ppbv	
76) 1,4-Dichlorobenzene	17.20	146	390626	1.935	ppbv	98
77) 1,2-Dichlorobenzene	17.87	146	391770	1.952	ppbv	100
78) Hexachloro-1,3-Butadiene	23.44	225	375483m	2.177	ppbv	
79) Naphthalene	22.29	128	515675m	1.645	ppbv	
80) Naphthalene, 2-methyl-	25.03	142	75330	0.532	ppbv	96
81) 1,2,4-Trichlorobenzene	22.01	180	332575	1.727	ppbv	99

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



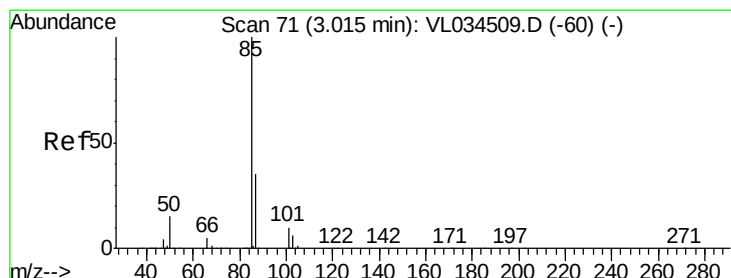
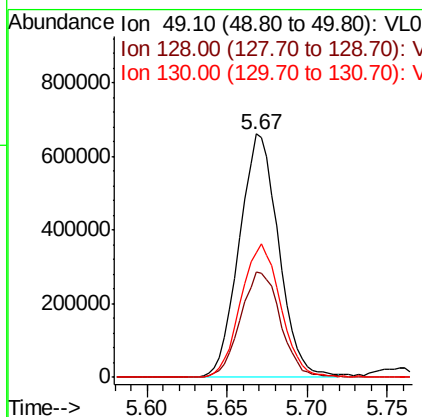
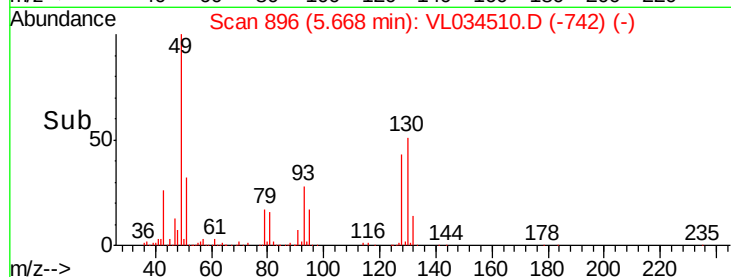
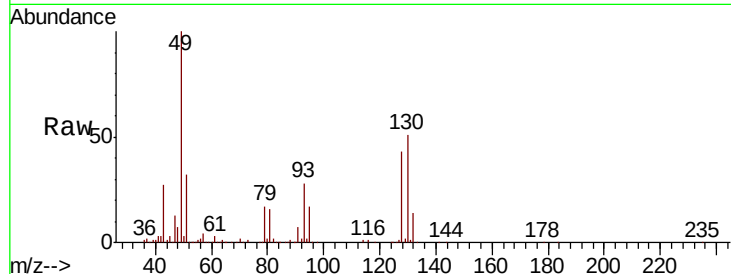
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Bromochloromethane
Concen: 10.000 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.01 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Instrument :
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ClientSampleId :
VSTDIC002

Tot Ion: 49 Resp: 1113972
Ion Ratio Lower Upper
49 100
128 44.3 22.4 67.2
130 55.8 28.3 85.0

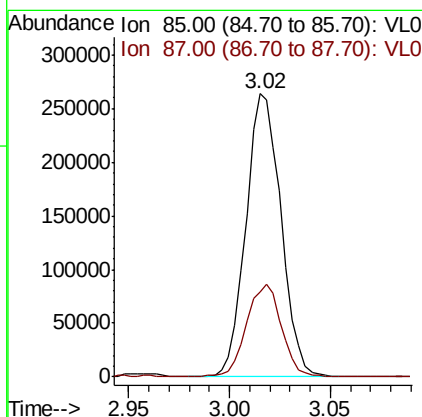
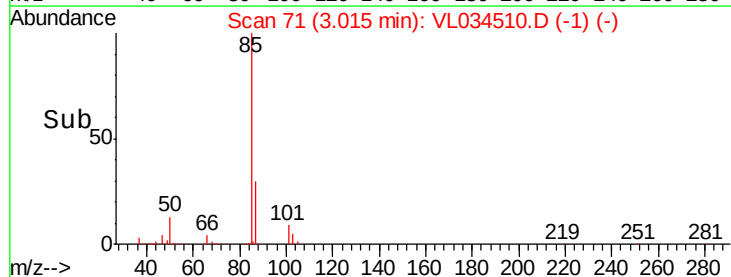
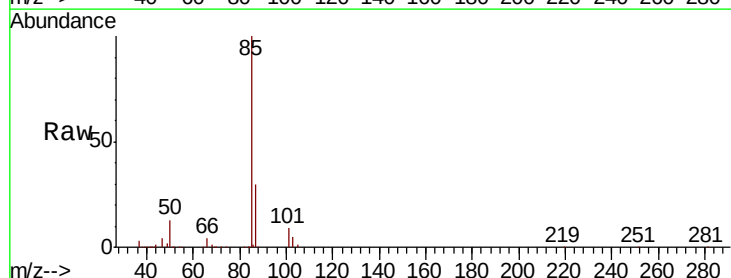
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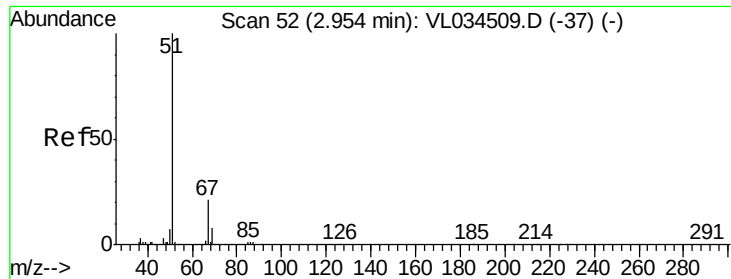
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#2
Dichlorodifluoromethane
Concen: 1.599 ppbv
RT: 3.02 min Scan# 71
Delta R.T. 0.00 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Tgt Ion: 85 Resp: 322341
Ion Ratio Lower Upper
85 100
87 30.1 27.9 41.9





#3

Chlorodifluoromethane

Concen: 2.026 ppbv

RT: 2.96 min Scan# 53

Delta R.T. 0.00 min

Lab File: VL034510.D

Acq: 30 Dec 2019 11:05

Tot Ion: 51 Resp: 281591

Ion Ratio Lower Upper

51 100

67 20.9 16.8 25.2

Instrument :

MSVOA_L

ClientSampleId :

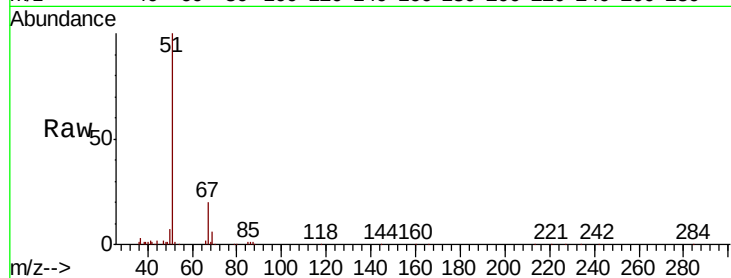
VSTDIC002

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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

2.96

200000

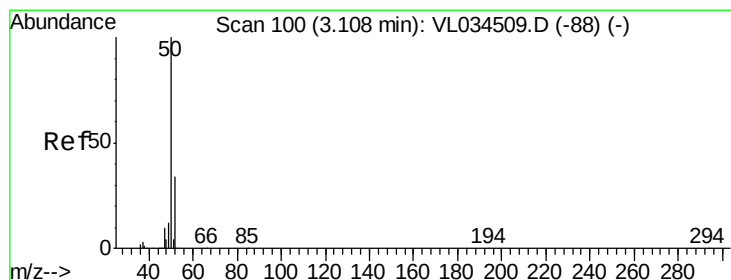
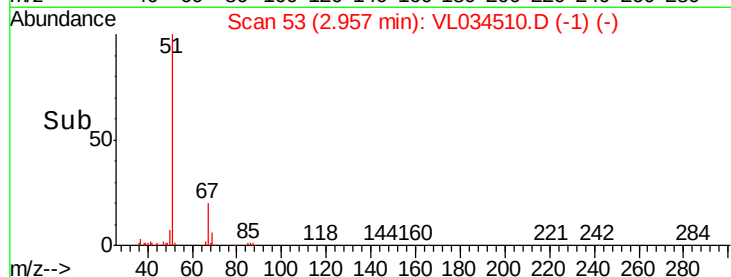
150000

100000

50000

0

Time-->



#4

Chloromethane

Concen: 1.967 ppbv

RT: 3.11 min Scan# 101

Delta R.T. 0.00 min

Lab File: VL034510.D

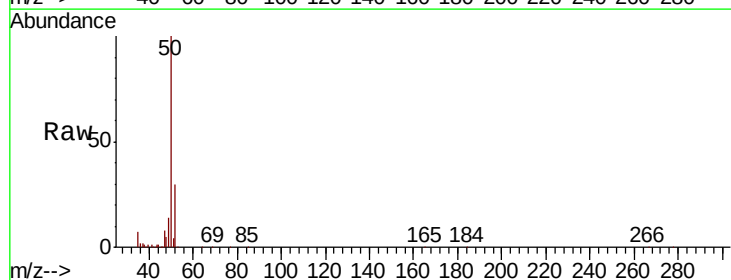
Acq: 30 Dec 2019 11:05

Tgt Ion: 50 Resp: 161281

Ion Ratio Lower Upper

50 100

52 29.8 27.6 41.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

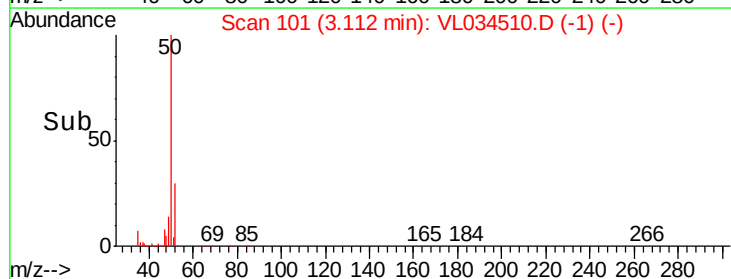
3.11

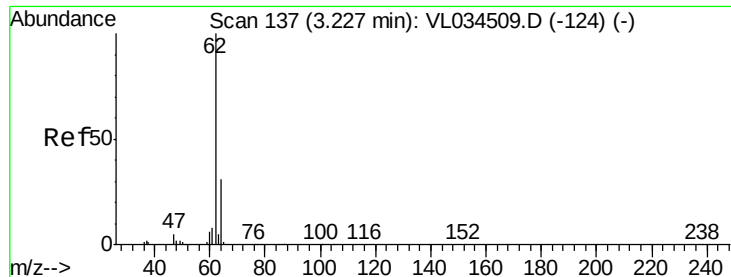
100000

50000

0

Time-->





#5

Vinyl Chloride

Concen: 1.961 ppbv

RT: 3.23 min Scan# 137

Delta R.T. 0.00 min

Lab File: VL034510.D

Acq: 30 Dec 2019 11:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 62 Resp: 150630

Ion Ratio Lower Upper

62 100

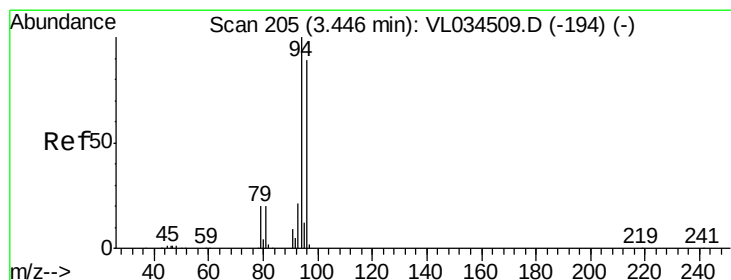
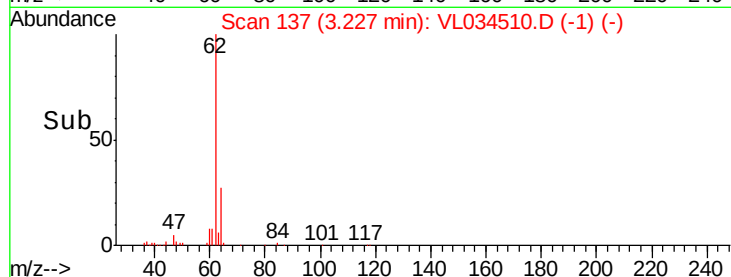
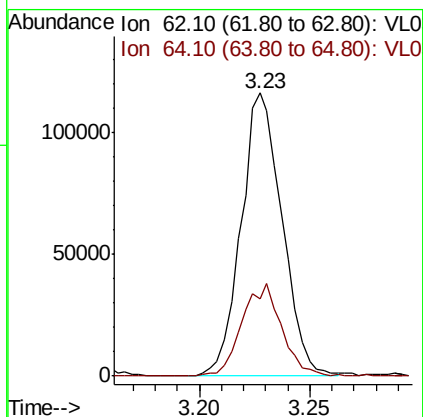
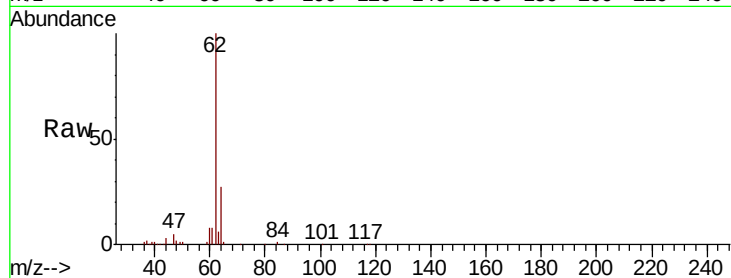
64 27.4 24.9 37.3

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#6

Bromomethane

Concen: 2.057 ppbv

RT: 3.45 min Scan# 206

Delta R.T. 0.00 min

Lab File: VL034510.D

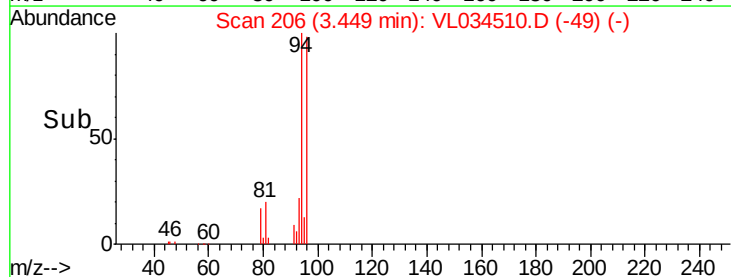
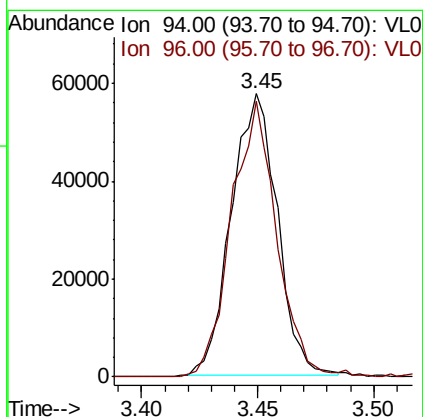
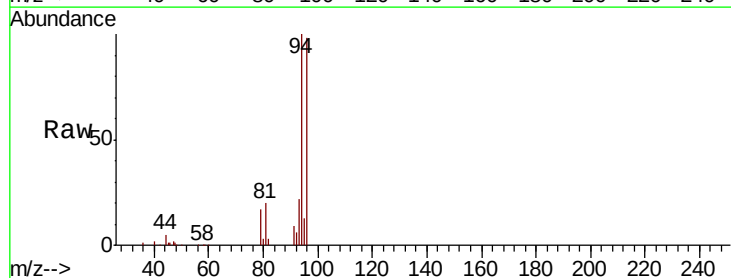
Acq: 30 Dec 2019 11:05

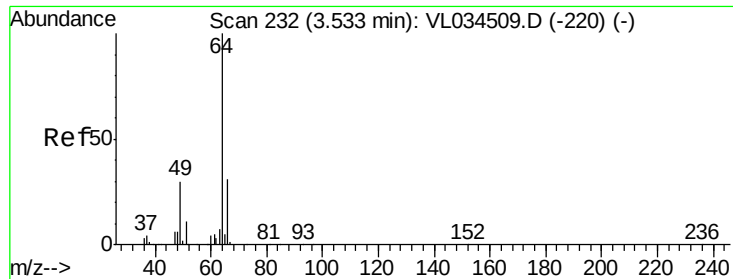
Tgt Ion: 94 Resp: 79499

Ion Ratio Lower Upper

94 100

96 97.1 71.2 106.8





#7

Chloroethane

Concen: 2.017 ppbv

RT: 3.53 min Scan# 232

Delta R.T. 0.00 min

Lab File: VL034510.D

Acq: 30 Dec 2019 11:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 64 Resp: 56235

Ion Ratio Lower Upper

64 100

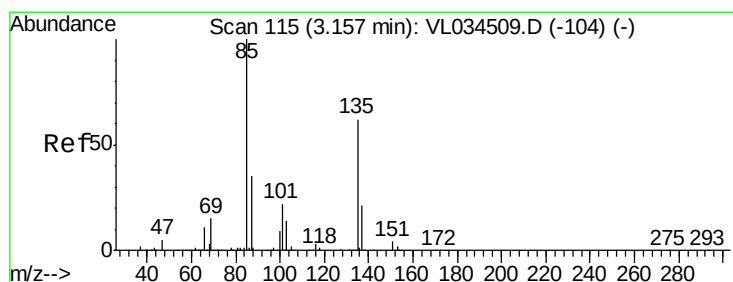
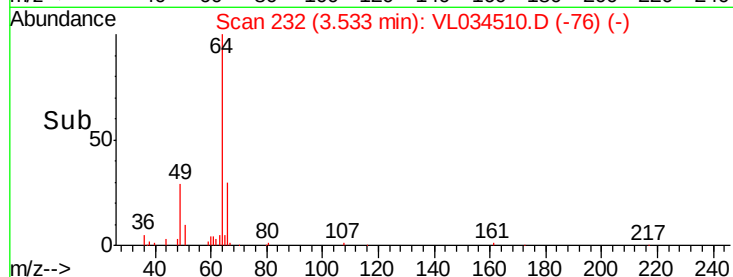
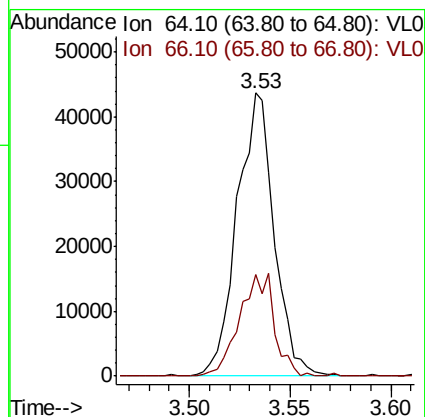
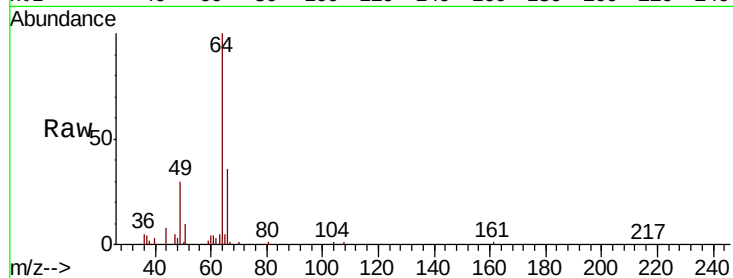
66 35.9 25.0 37.4

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 2.115 ppbv

RT: 3.16 min Scan# 115

Delta R.T. 0.00 min

Lab File: VL034510.D

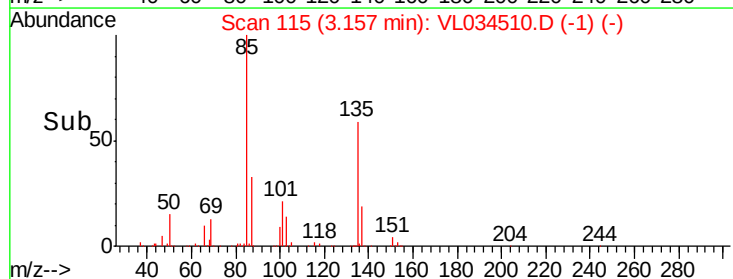
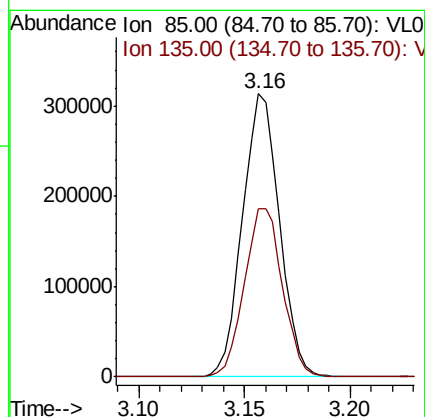
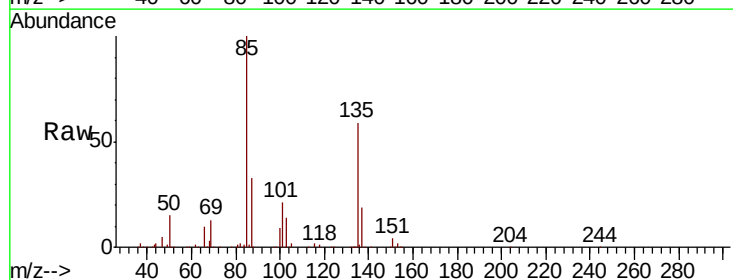
Acq: 30 Dec 2019 11:05

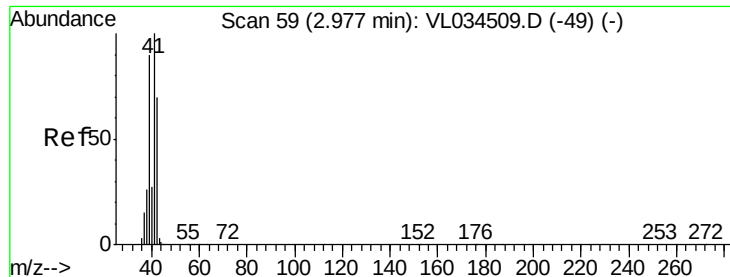
Tgt Ion: 85 Resp: 382816

Ion Ratio Lower Upper

85 100

135 61.2 51.8 77.8





#9

Propene

Concen: 1.739 ppbv

RT: 2.98 min Scan# 60

Delta R.T. 0.00 min

Lab File: VL034510.D

Acq: 30 Dec 2019 11:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 41 Resp: 107291

Ion Ratio Lower Upper

41 100

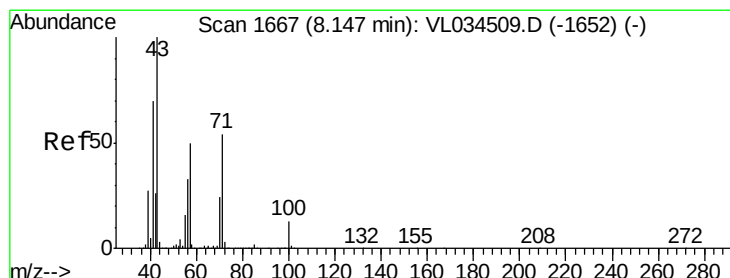
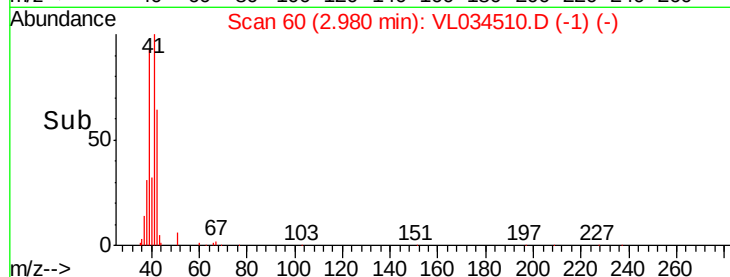
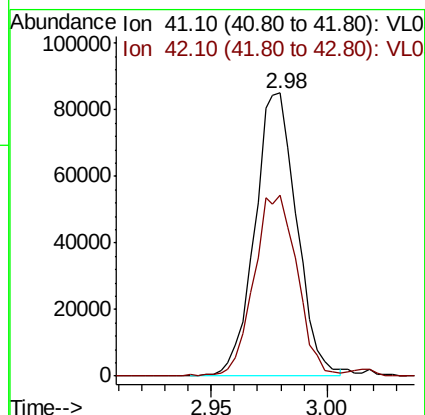
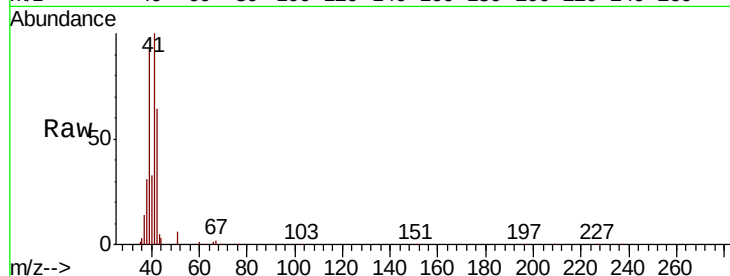
42 67.3 55.8 83.6

Manual Integrations

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#10

Heptane

Concen: 1.769 ppbv

RT: 8.15 min Scan# 1667

Delta R.T. 0.00 min

Lab File: VL034510.D

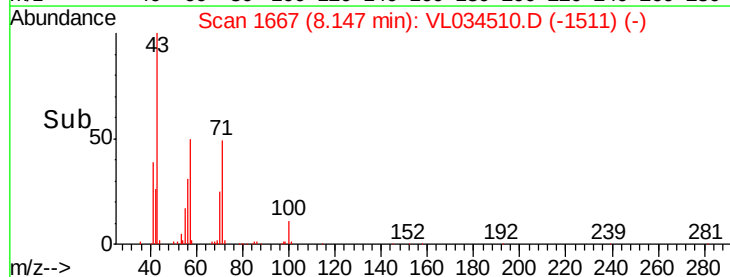
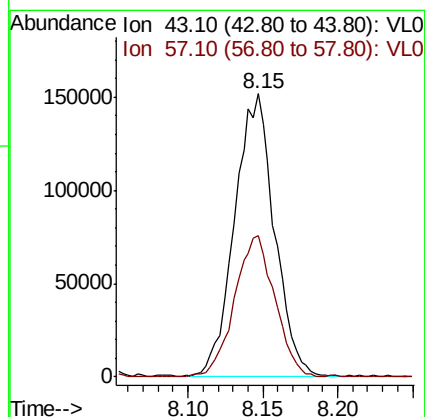
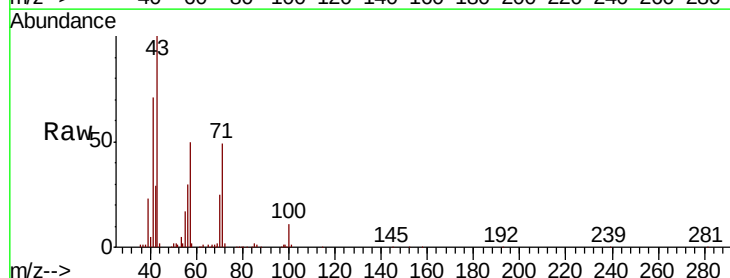
Acq: 30 Dec 2019 11:05

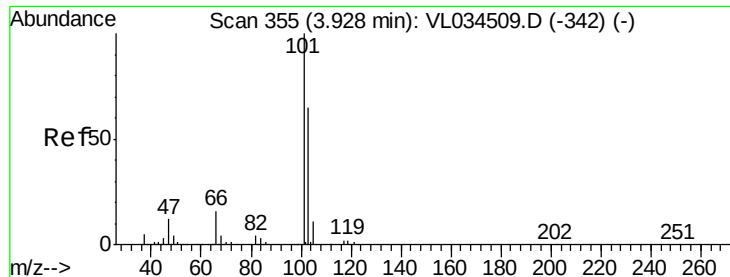
Tgt Ion: 43 Resp: 281757

Ion Ratio Lower Upper

43 100

57 50.4 41.0 61.6





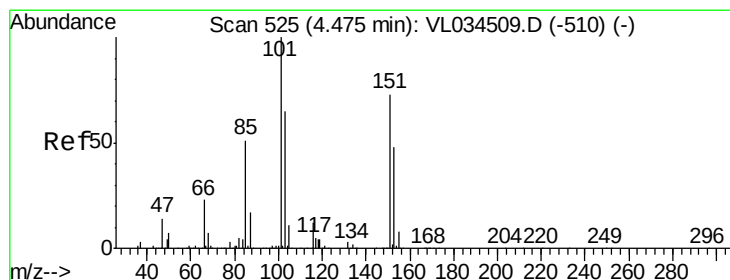
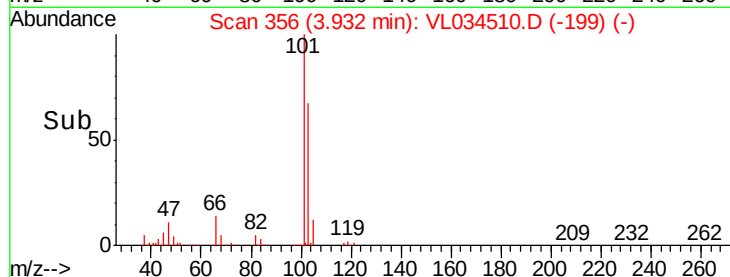
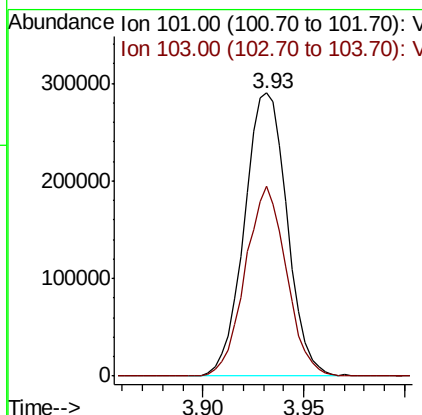
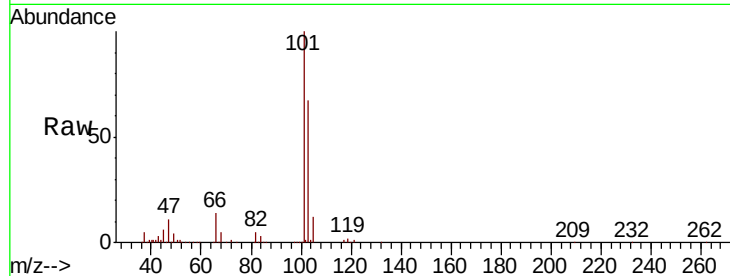
#11
 Trichlorofluoromethane
 Concen: 2.146 ppbv
 RT: 3.93 min Scan# 356
 Delta R.T. 0.00 min
 Lab File: VL034510.D
 Acq: 30 Dec 2019 11:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.0	52.1	78.1

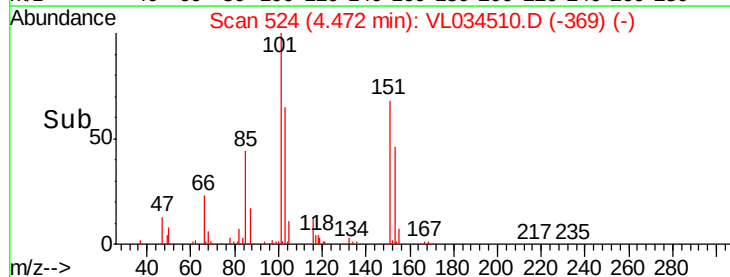
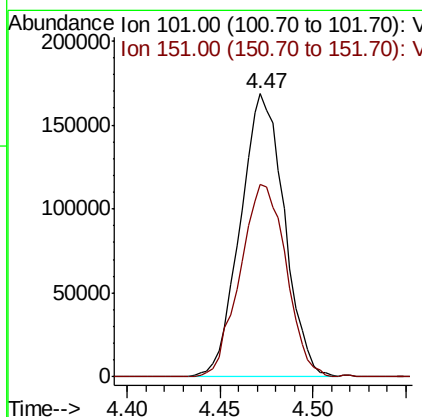
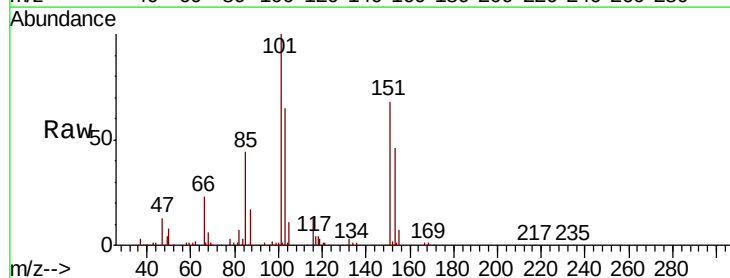
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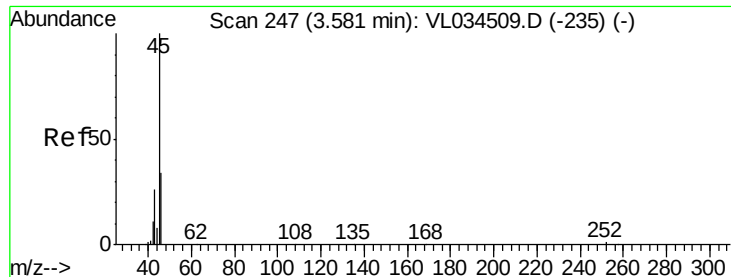
apatel
 1/2/2020 10:48:34 AM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 2.092 ppbv
 RT: 4.47 min Scan# 524
 Delta R.T. -0.00 min
 Lab File: VL034510.D
 Acq: 30 Dec 2019 11:05

Tgt Ion	Ratio	Lower	Upper
101	100		
151	71.4	57.8	86.6





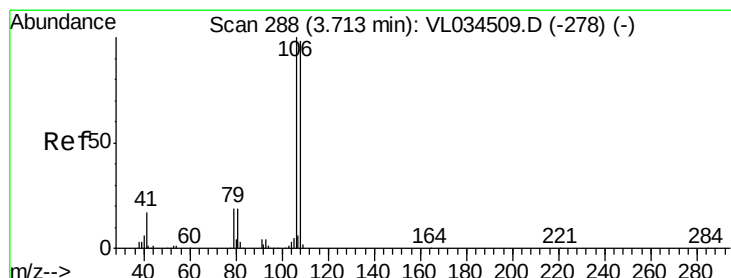
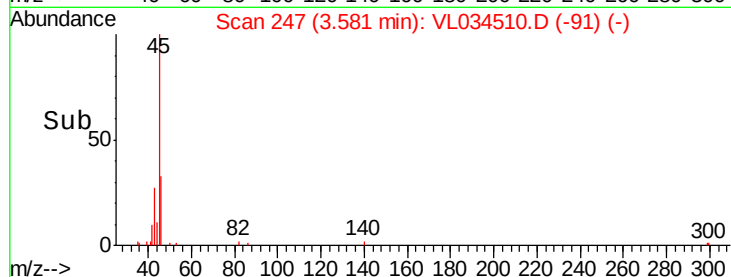
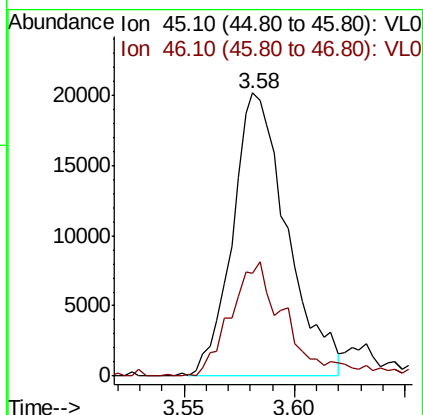
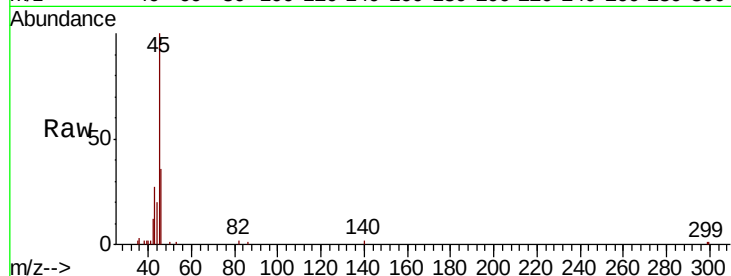
#13
Ethanol
Concen: 2.018 ppbv
RT: 3.58 min Scan# 247
Delta R.T. 0.00 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
45	100		
46	42.1	14.9	59.7

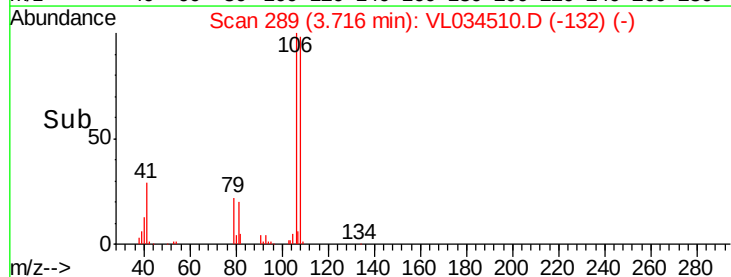
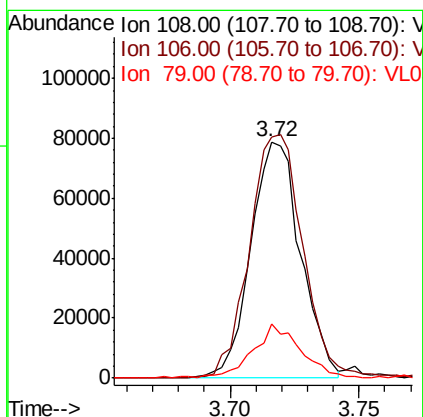
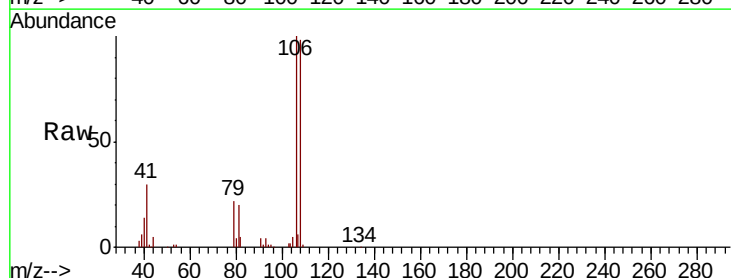
Manual Integrations
APPROVED

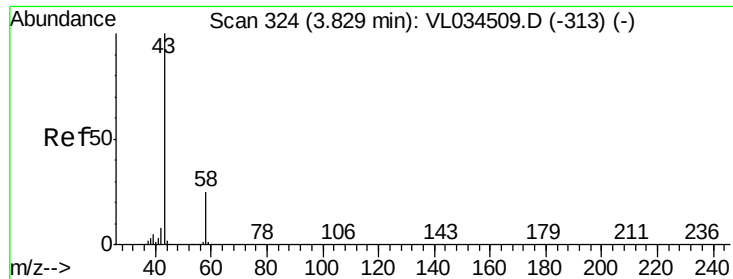
apatel
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#14
Bromoethene
Concen: 1.964 ppbv
RT: 3.72 min Scan# 289
Delta R.T. 0.00 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Tgt Ion	Ratio	Lower	Upper
108	100		
106	111.2	85.2	127.8
79	23.0	17.4	26.2





#15

Acetone

Concen: 2.232 ppbv

RT: 3.83 min Scan# 325

Delta R.T. 0.00 min

Lab File: VL034510.D

Acq: 30 Dec 2019 11:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 43 Resp: 356094

Ion Ratio Lower Upper

43 100

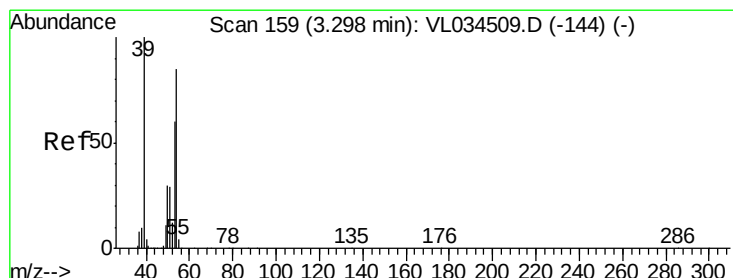
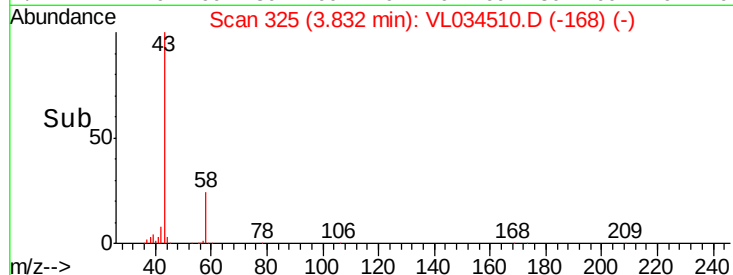
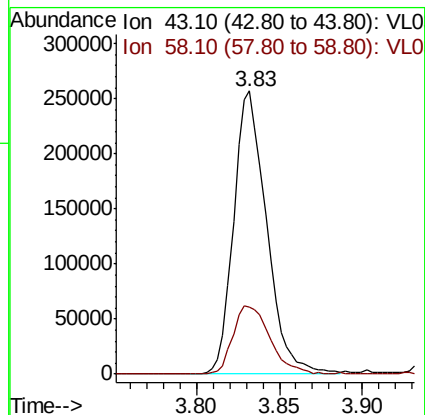
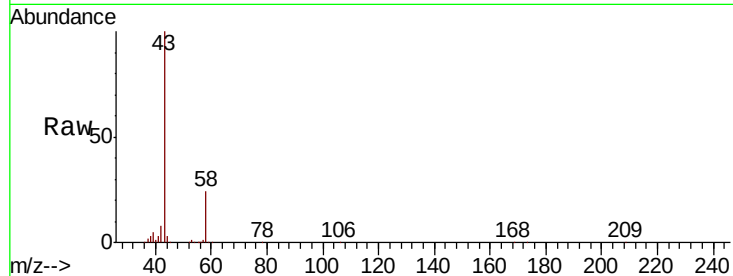
58 27.4 20.4 30.6

Manual Integrations

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#16

1,3-Butadiene

Concen: 1.864 ppbv

RT: 3.30 min Scan# 159

Delta R.T. 0.00 min

Lab File: VL034510.D

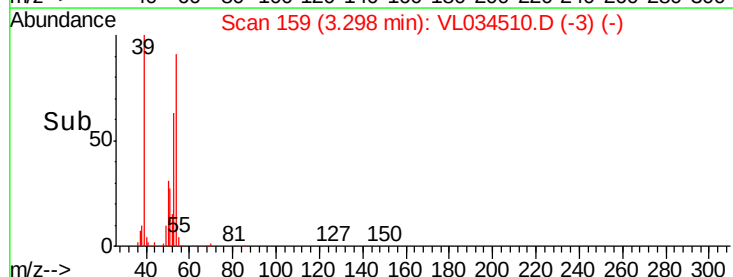
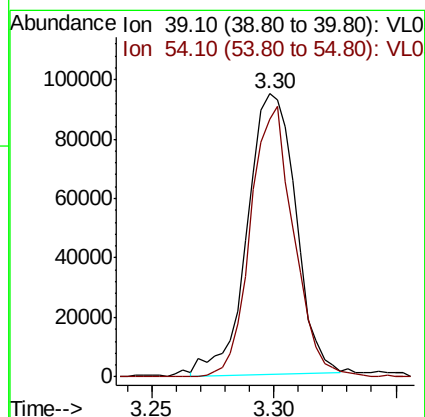
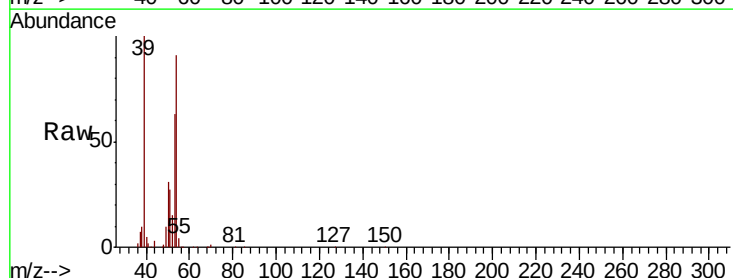
Acq: 30 Dec 2019 11:05

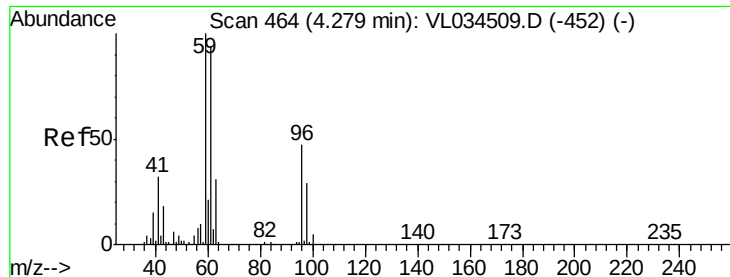
Tgt Ion: 39 Resp: 129540

Ion Ratio Lower Upper

39 100

54 86.3 66.2 99.2





#17

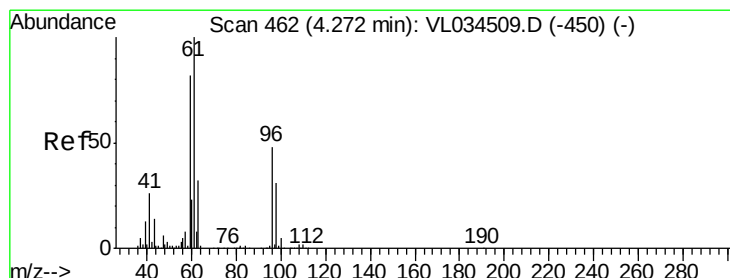
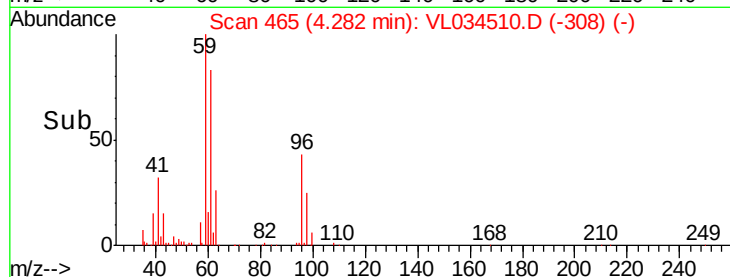
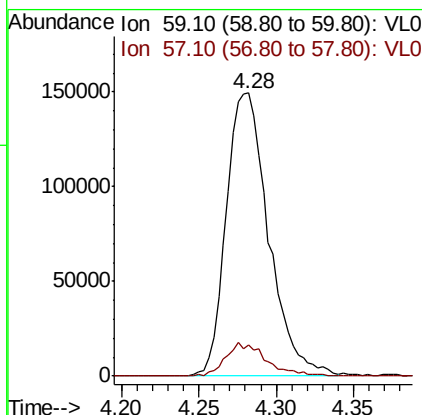
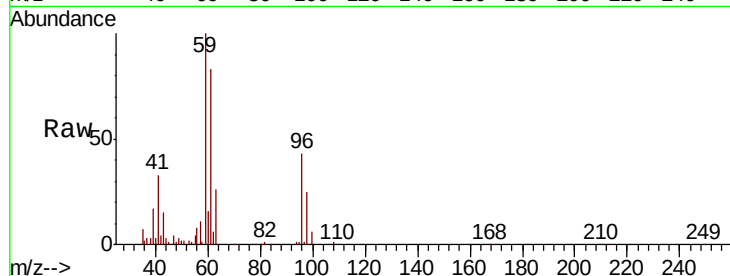
tert-Butyl alcohol
Concen: 2.114 ppbv
RT: 4.28 min Scan# 465
Delta R.T. 0.00 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.2	8.6	12.8

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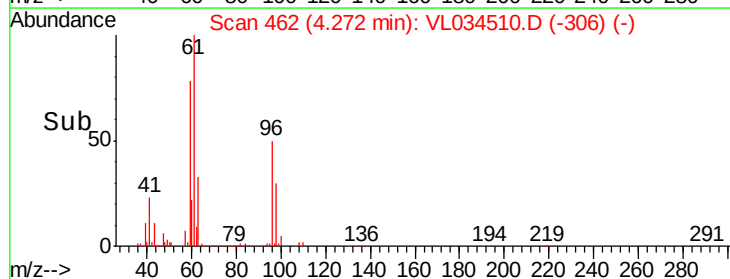
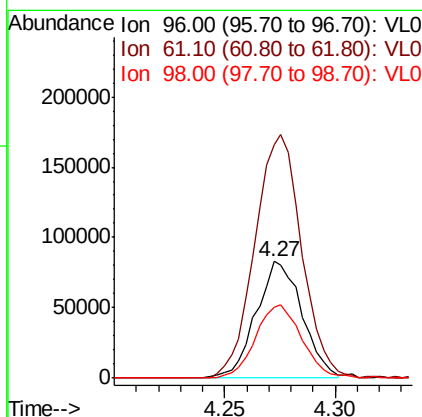
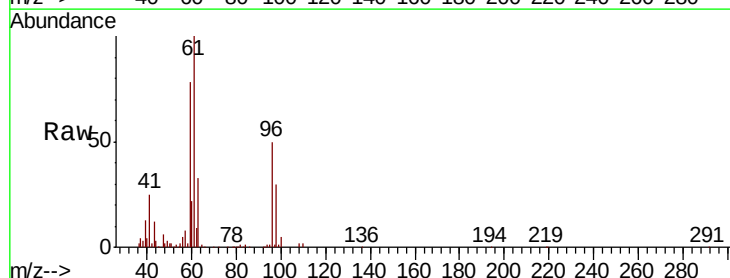
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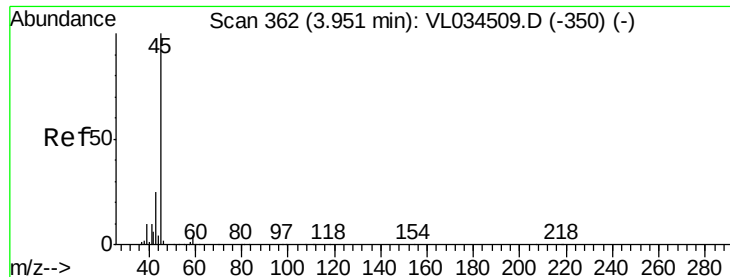


#18

1,1-Dichloroethene
Concen: 2.047 ppbv
RT: 4.27 min Scan# 462
Delta R.T. 0.00 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Tgt Ion	Ratio	Lower	Upper
96	100		
61	200.1	165.9	248.9
98	61.0	51.9	77.9





#19

Isopropyl Alcohol

Concen: 2.249 ppbv

RT: 3.95 min Scan# 362

Delta R.T. 0.00 min

Lab File: VL034510.D

Acq: 30 Dec 2019 11:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 45 Resp: 229913

Ion Ratio Lower Upper

45 100

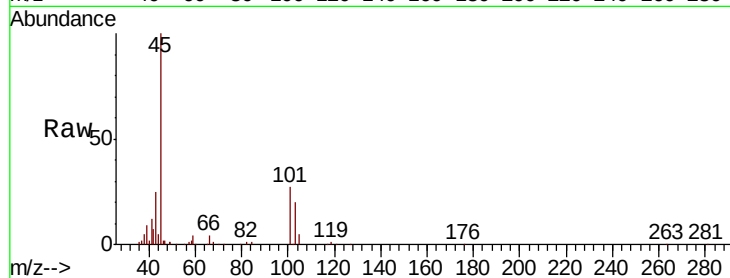
58 2.6 1.4 2.0#

Manual Integrations

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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

150000

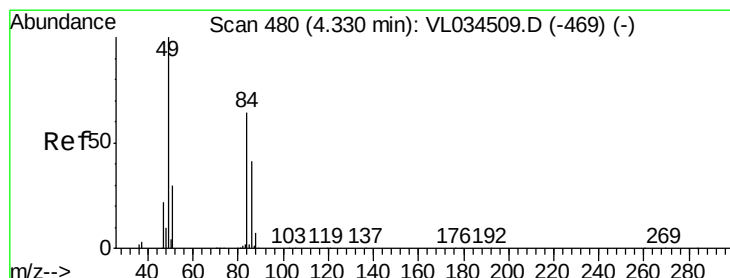
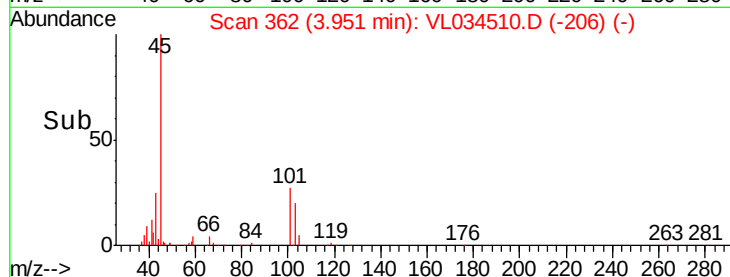
100000

50000

0

3.90 3.95 4.00

Time-->



#20

Methylene Chloride

Concen: 2.596 ppbv

RT: 4.33 min Scan# 479

Delta R.T. -0.00 min

Lab File: VL034510.D

Acq: 30 Dec 2019 11:05

Tgt Ion: 84 Resp: 146843

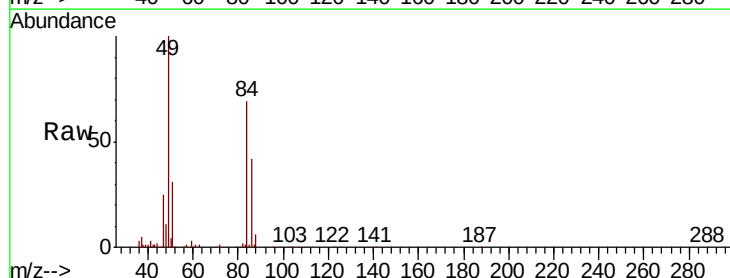
Ion Ratio Lower Upper

84 100

49 144.9 124.4 186.6

51 44.4 37.0 55.6

86 61.2 50.9 76.3



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

250000

200000

150000

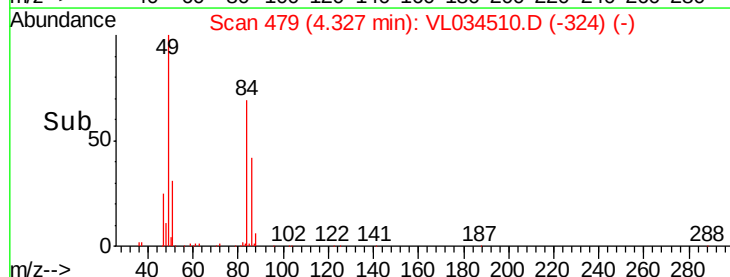
100000

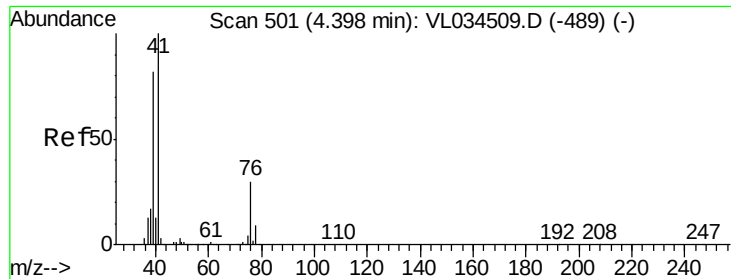
50000

0

4.30 4.33 4.40

Time-->





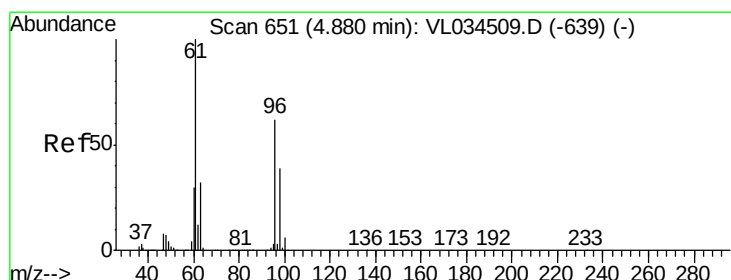
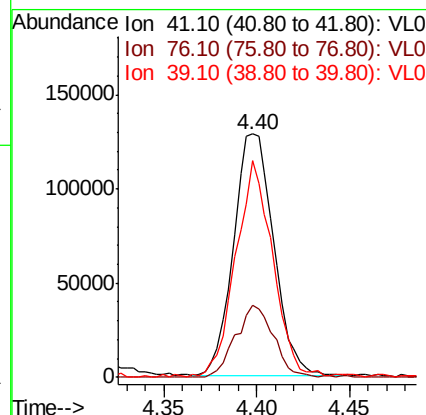
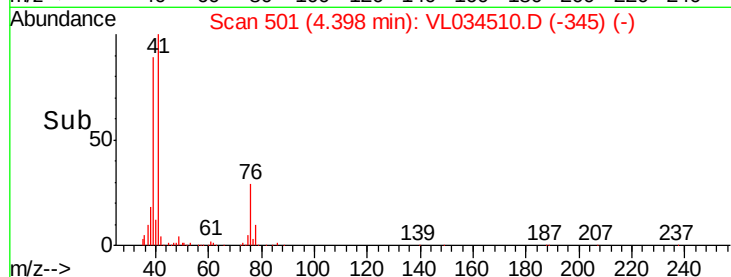
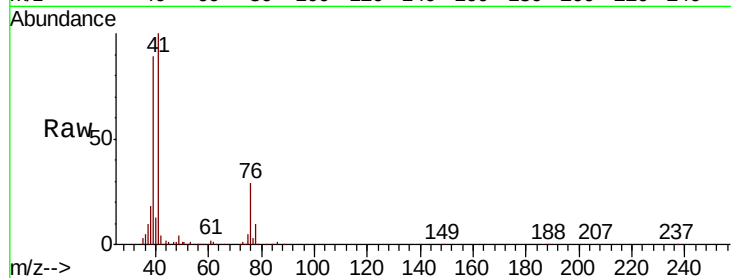
#21
Allvl Chloride
Concen: 2.013 ppbv
RT: 4.40 min Scan# 501
Delta R.T. 0.00 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
41	100		
76	28.7	24.2	36.4
39	85.4	65.8	98.6

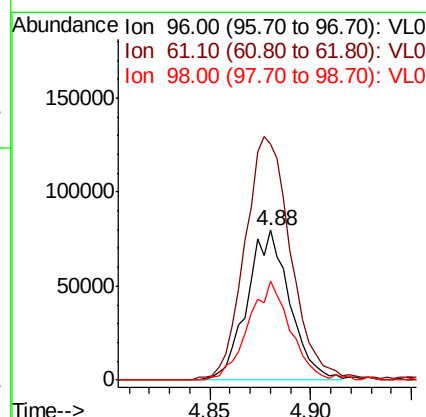
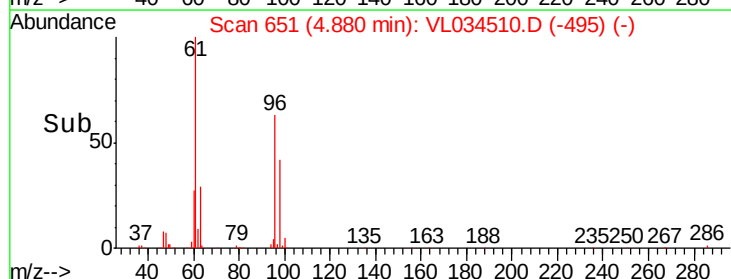
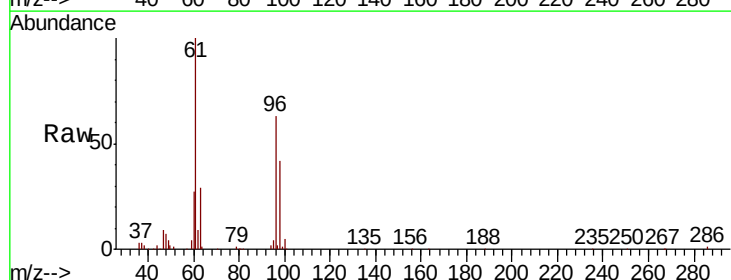
Manual Integrations
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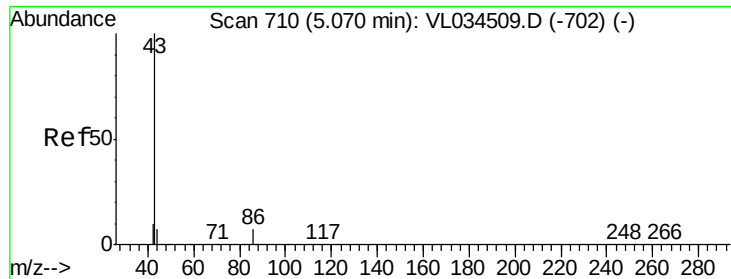
apatel
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#22
trans-1,2-Dichloroethene
Concen: 2.010 ppbv
RT: 4.88 min Scan# 651
Delta R.T. 0.00 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.6	128.4	192.6
98	65.9	50.6	75.8





#23

Vinyl Acetate

Concen: 2.007 ppbv

RT: 5.07 min Scan# 710

Delta R.T. 0.00 min

Lab File: VL034510.D

Acq: 30 Dec 2019 11:05

Instrument :

MSVOA_L

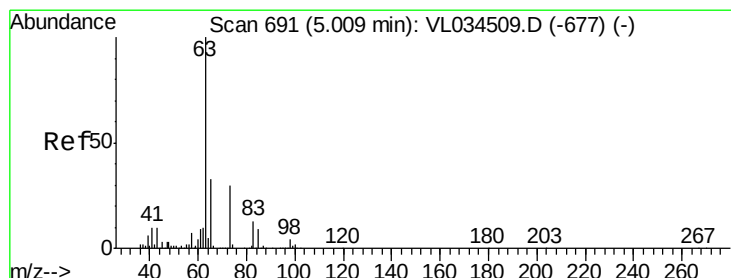
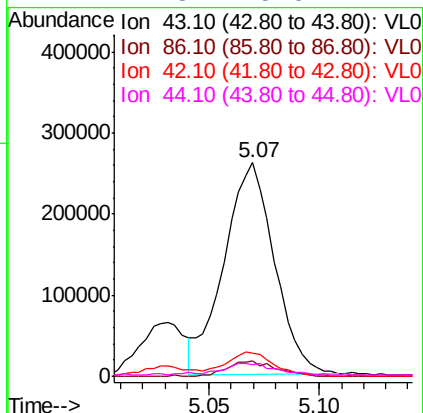
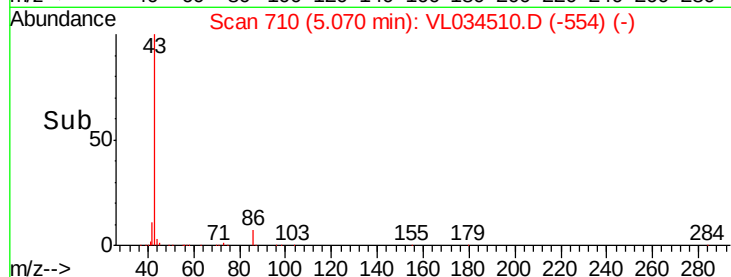
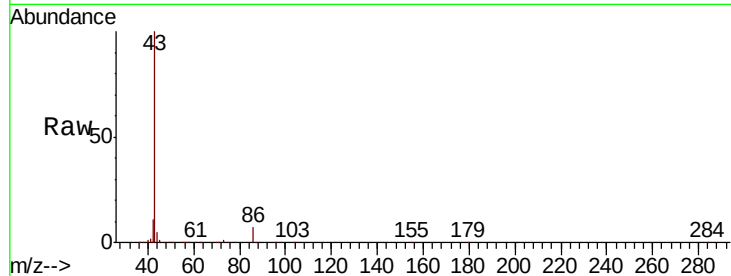
ClientSampleId :

VSTDIC002

Tot Ion:	43	Resp:	418128
Ion Ratio	Lower	Upper	
43	100		
86	6.8	5.4	8.2
42	10.9	8.9	13.3
44	4.8	5.0	7.4

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#24

1,1-Dichloroethane

Concen: 1.999 ppbv

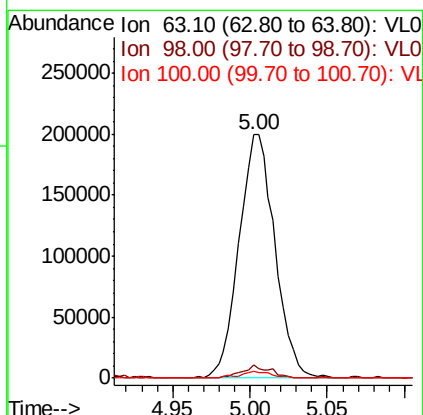
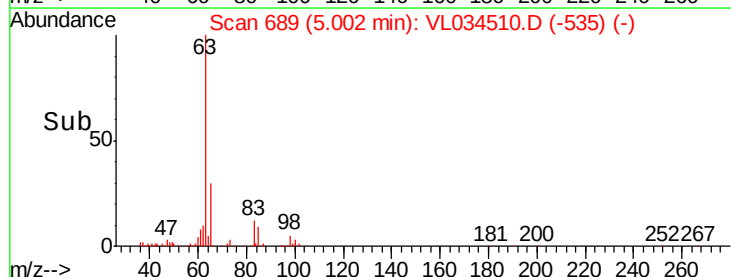
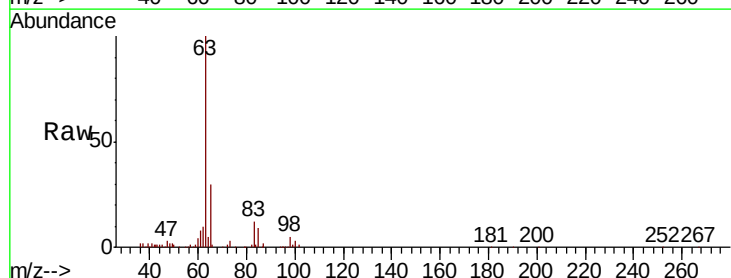
RT: 5.00 min Scan# 689

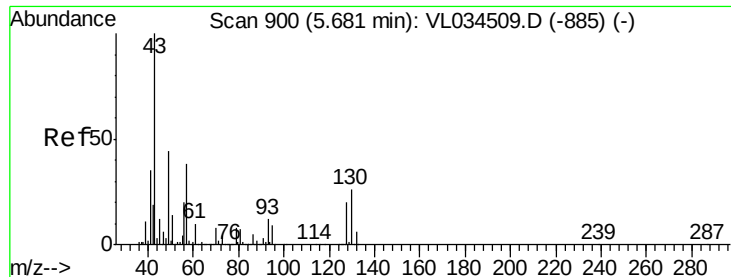
Delta R.T. -0.01 min

Lab File: VL034510.D

Acq: 30 Dec 2019 11:05

Tgt Ion:	63	Resp:	319952
Ion Ratio	Lower	Upper	
63	100		
98	5.4	2.1	6.3
100	2.6	1.1	3.3





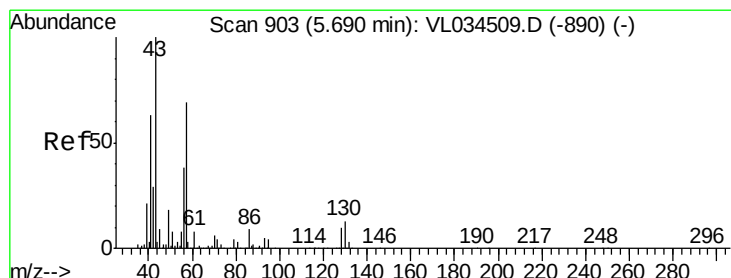
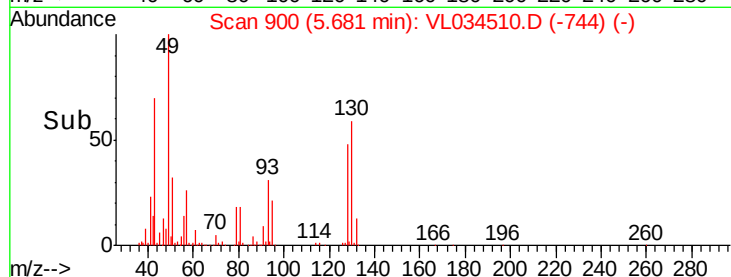
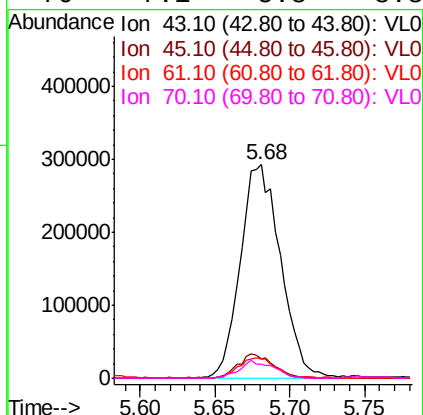
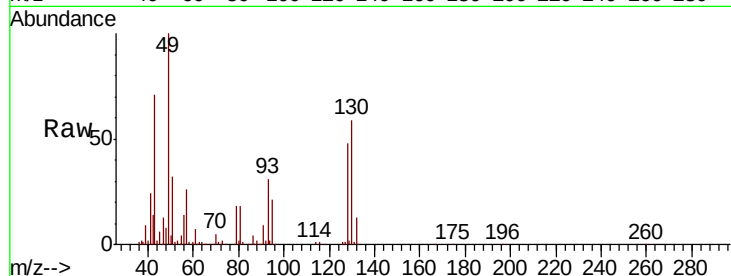
#25
Ethyl Acetate
Concen: 1.927 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.00 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100				
45	10.1	8.3	12.5		
61	9.3	7.8	11.6		
70	7.1	5.8	8.8		

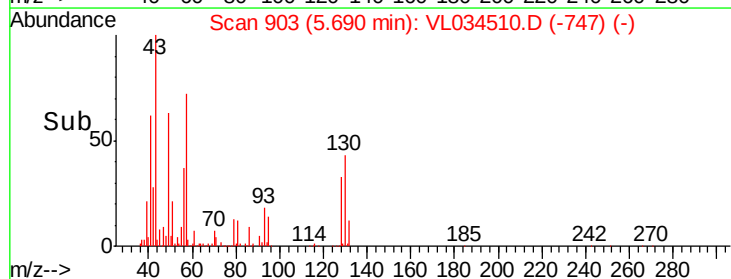
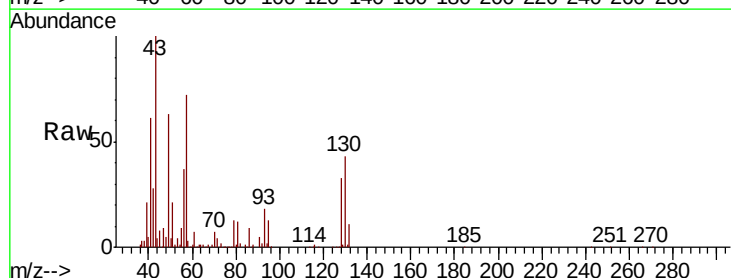
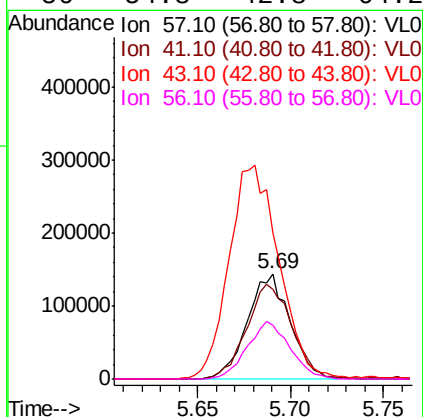
Manual Integrations
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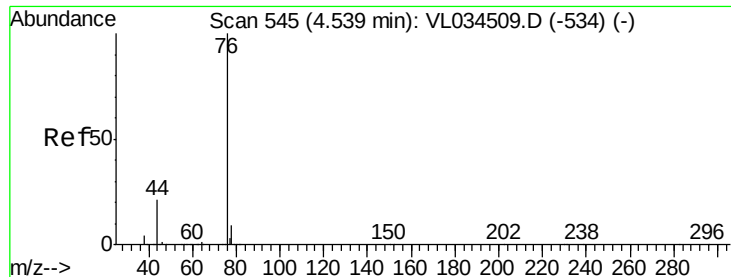
apatel
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#26
Hexane
Concen: 1.880 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.00 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
57	100				
41	97.0	75.3	112.9		
43	239.7	189.4	284.2		
56	54.8	42.8	64.2		





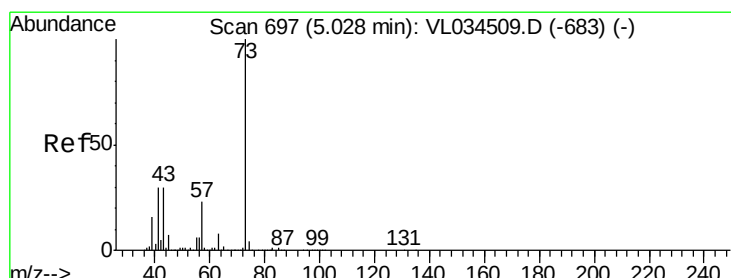
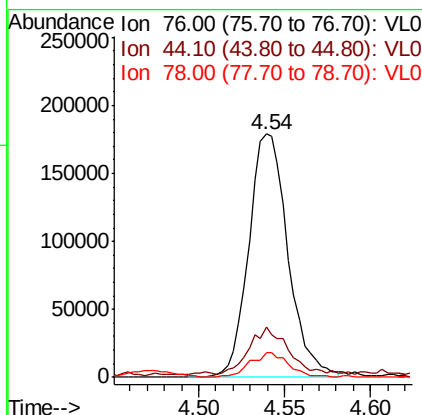
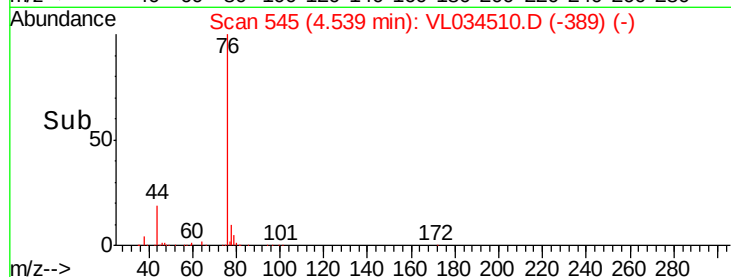
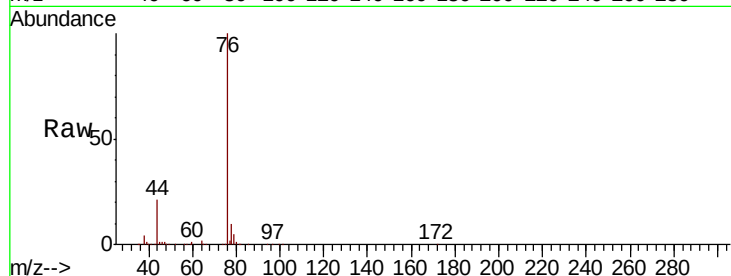
#27
Carbon Disulfide
Concen: 2.126 ppbv
RT: 4.54 min Scan# 545
Delta R.T. 0.00 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
76	100		
44	23.5	16.6	25.0
78	10.3	7.4	11.0

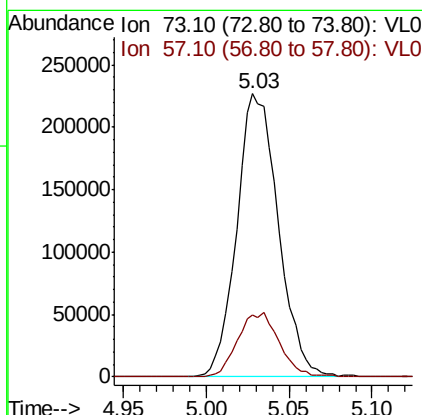
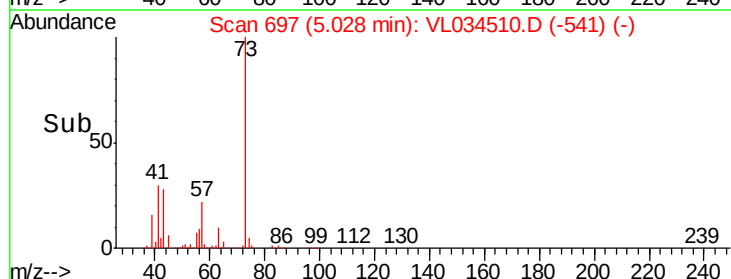
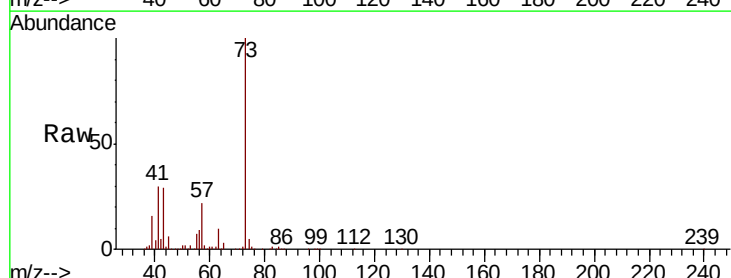
Manual Integrations
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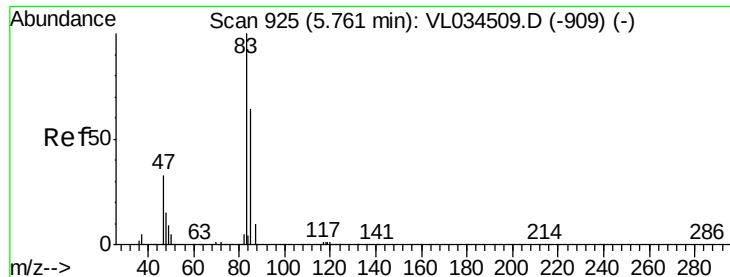
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#28
Methyl tert-Butyl Ether
Concen: 1.946 ppbv
RT: 5.03 min Scan# 697
Delta R.T. 0.00 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Tgt Ion	Ratio	Lower	Upper
73	100		
57	22.7	18.2	27.2





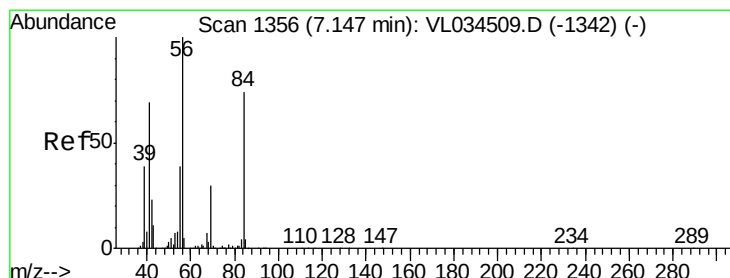
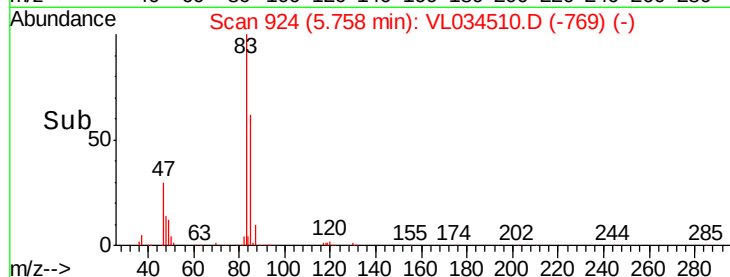
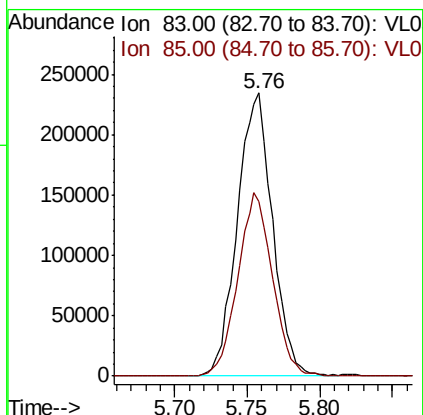
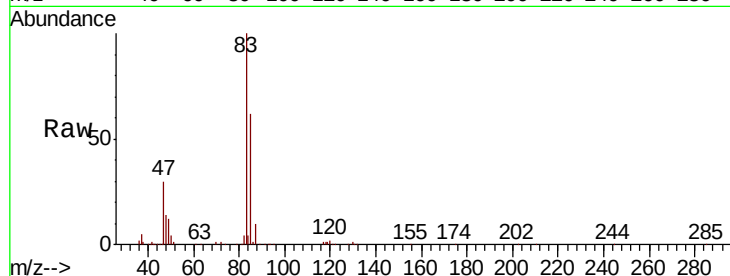
#29
Chloroform
Concen: 1.994 ppbv
RT: 5.76 min Scan# 924
Delta R.T. -0.00 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	83	Resp	394980
Ion Ratio	Lower	Upper	
83	100		
85	61.8	51.0	76.6

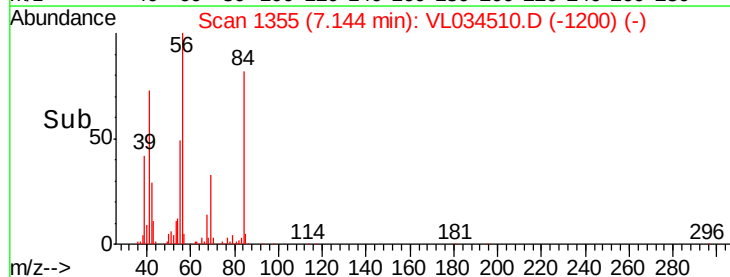
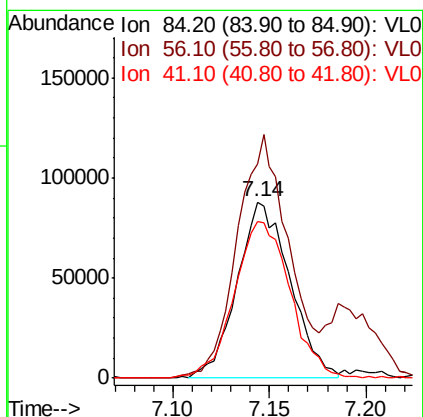
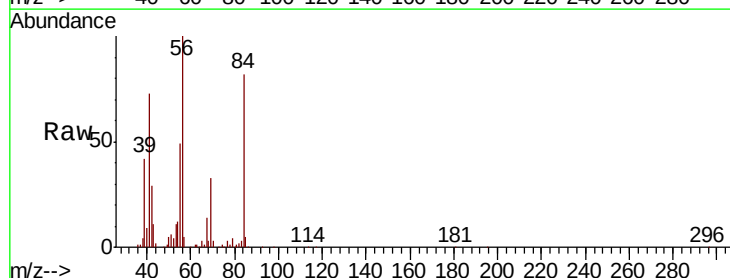
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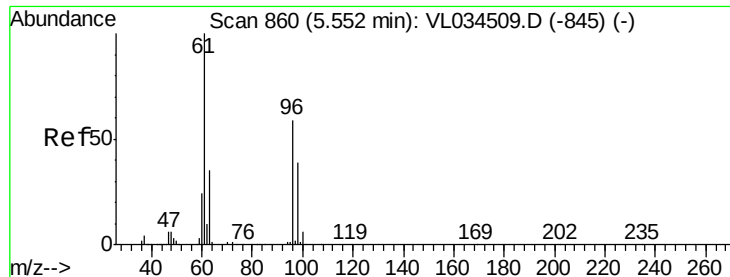
apatel
1/2/2020 10:48:34 AM



#30
Cyclohexane
Concen: 1.809 ppbv
RT: 7.14 min Scan# 1355
Delta R.T. -0.00 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Tgt Ion	84	Resp	167266
Ion Ratio	Lower	Upper	
84	100		
56	137.9	112.7	169.1
41	93.6	73.0	109.4





#31

cis-1,2-Dichloroethene

Concen: 1.827 ppbv

RT: 5.55 min Scan# 860

Delta R.T. 0.00 min

Lab File: VL034510.D

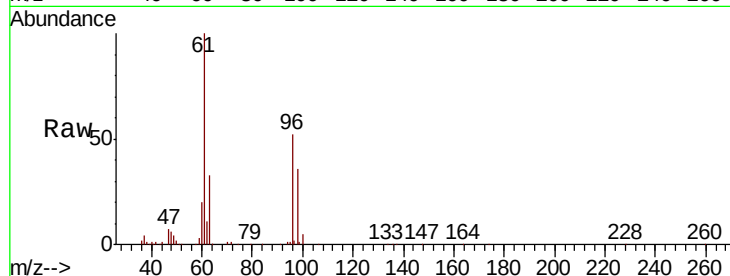
Acq: 30 Dec 2019 11:05

Tot Ion:	61	Resp:	230921
Ion Ratio		Lower	Upper
61	100		
96	52.4	47.1	70.7
98	36.2	31.0	46.6

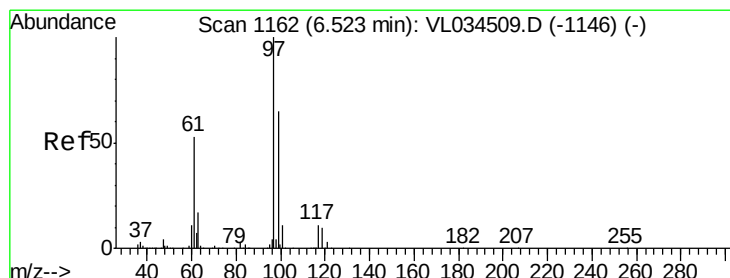
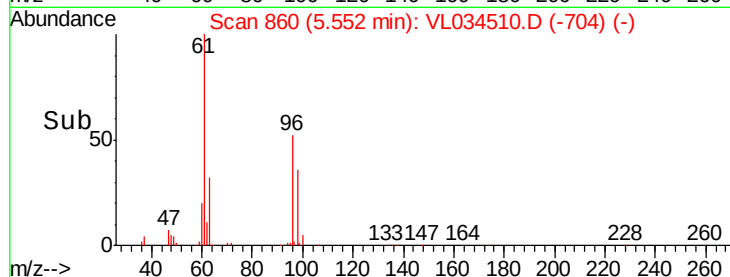
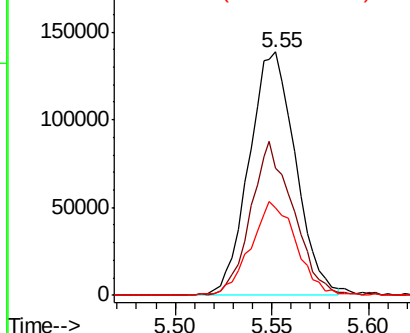
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

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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: 2.096 ppbv

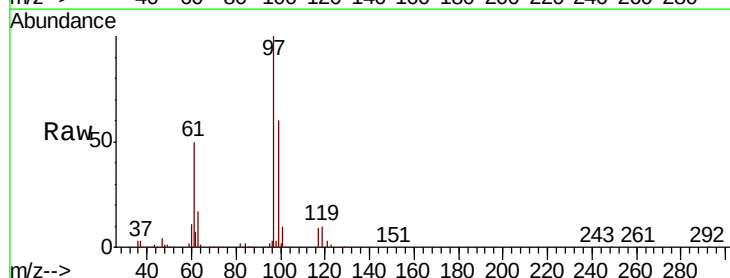
RT: 6.52 min Scan# 1162

Delta R.T. 0.00 min

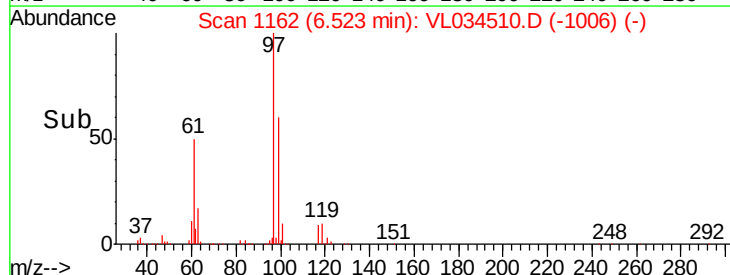
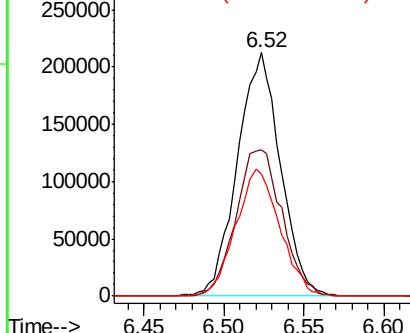
Lab File: VL034510.D

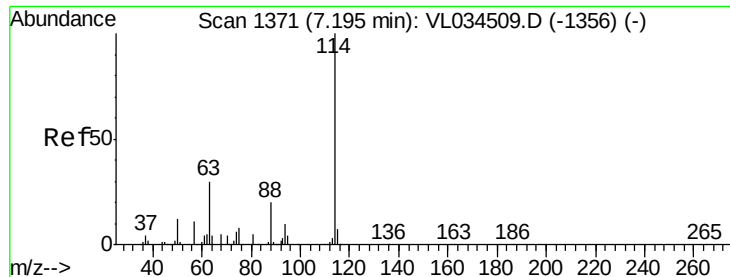
Acq: 30 Dec 2019 11:05

Tgt Ion:	97	Resp:	389294
Ion Ratio		Lower	Upper
97	100		
99	64.6	51.7	77.5
61	53.8	42.9	64.3



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





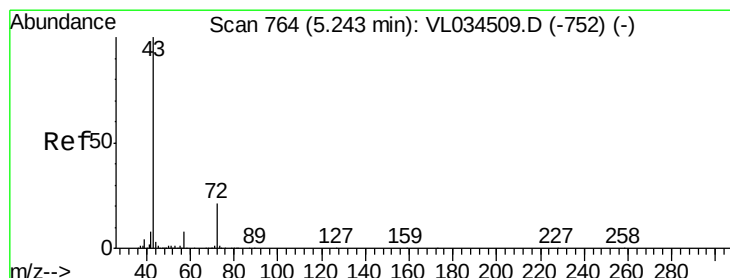
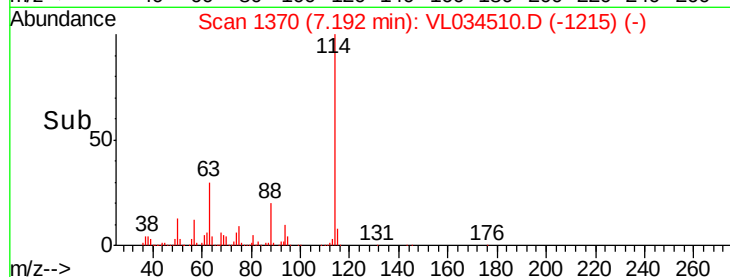
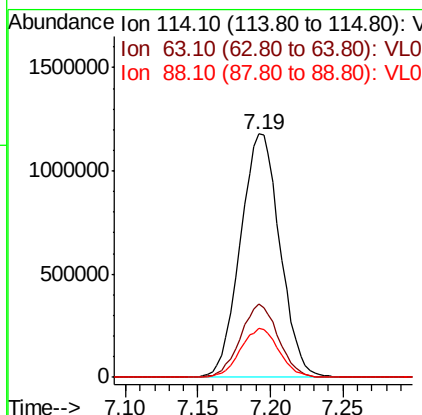
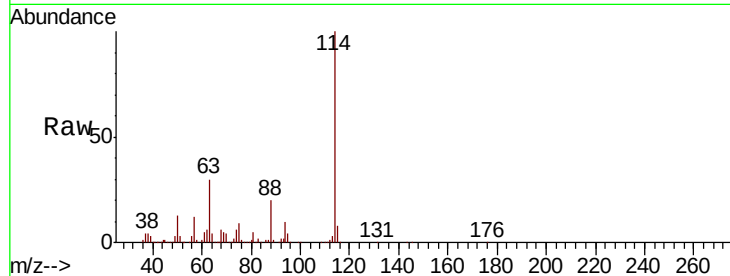
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1370
 Delta R.T. -0.00 min
 Lab File: VL034510.D
 Acq: 30 Dec 2019 11:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion:114	Resp: 2240781
Ion Ratio	Lower Upper
114 100	
63 29.1	24.1 36.1
88 19.6	15.7 23.5

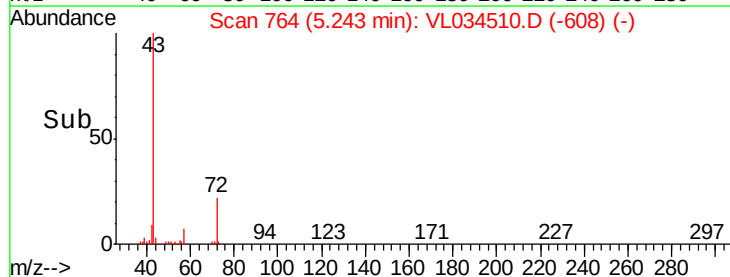
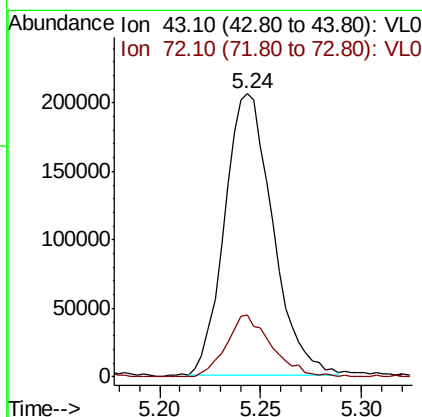
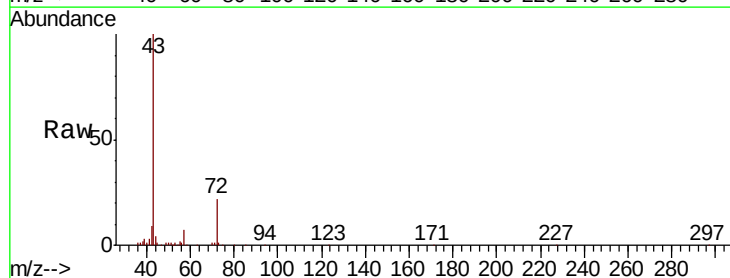
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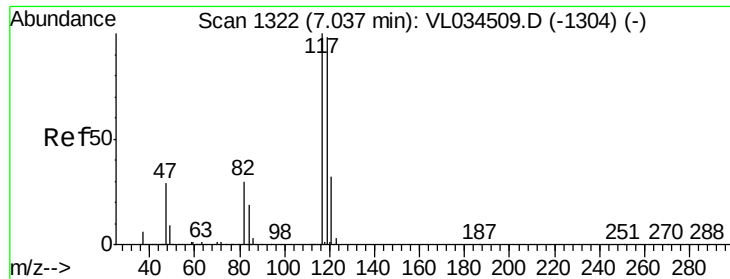
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#34
 2-Butanone
 Concen: 1.851 ppbv
 RT: 5.24 min Scan# 764
 Delta R.T. 0.00 min
 Lab File: VL034510.D
 Acq: 30 Dec 2019 11:05

Tgt Ion: 43	Resp: 341485
Ion Ratio	Lower Upper
43 100	
72 21.1	17.0 25.4





#35

Carbon Tetrachloride

Concen: 2.176 ppbv

RT: 7.03 min Scan# 1321

Delta R.T. -0.00 min

Lab File: VL034510.D

Acq: 30 Dec 2019 11:05

Instrument :

MSVOA_L

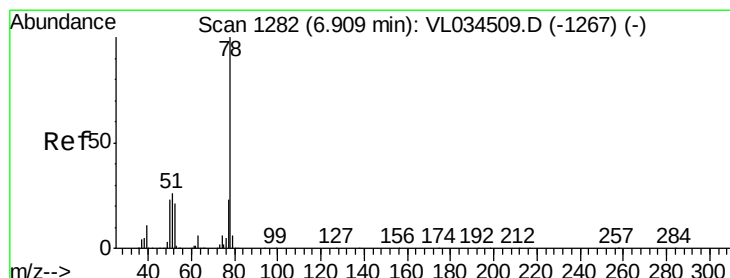
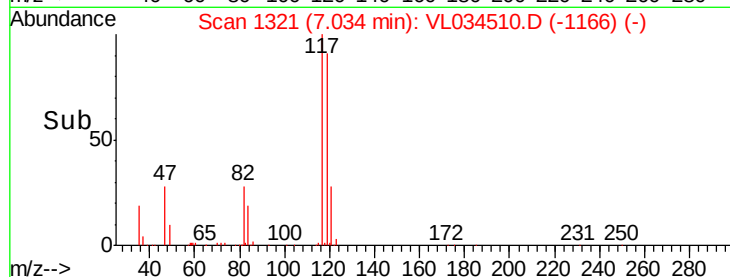
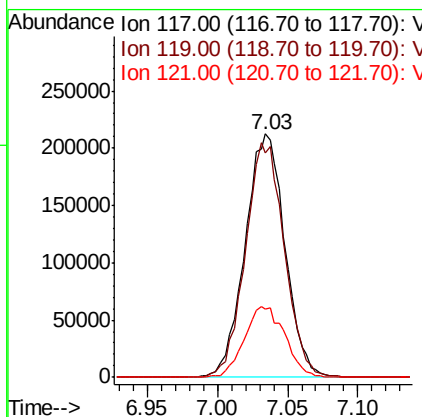
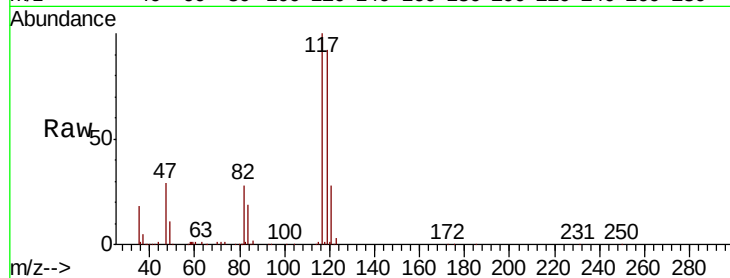
ClientSampleId :

VSTDIC002

Tot Ion:	117	Resp:	419295
Ion Ratio	Lower	Upper	
117	100		
119	92.1	78.7	118.1
121	27.9	25.9	38.9

Manual Integrations
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#36

Benzene

Concen: 1.881 ppbv

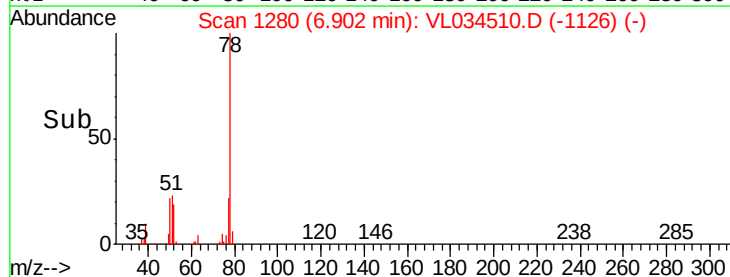
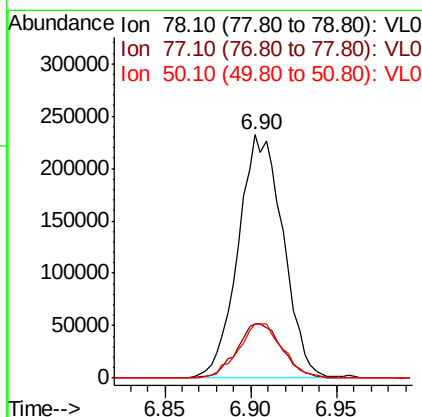
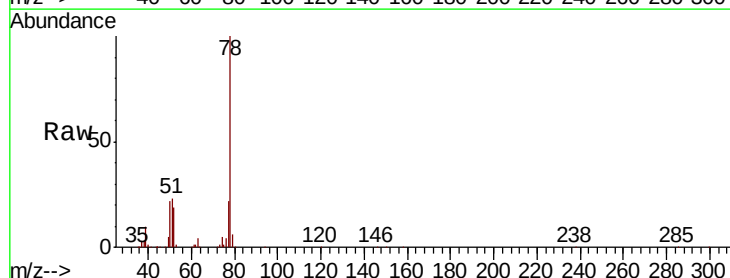
RT: 6.90 min Scan# 1280

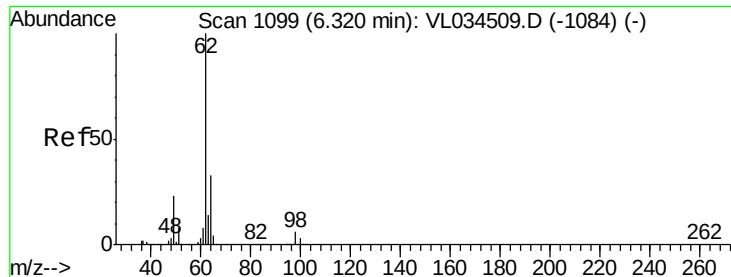
Delta R.T. -0.01 min

Lab File: VL034510.D

Acq: 30 Dec 2019 11:05

Tgt Ion:	78	Resp:	421341
Ion Ratio	Lower	Upper	
78	100		
77	22.4	18.6	28.0
50	22.2	18.8	28.2





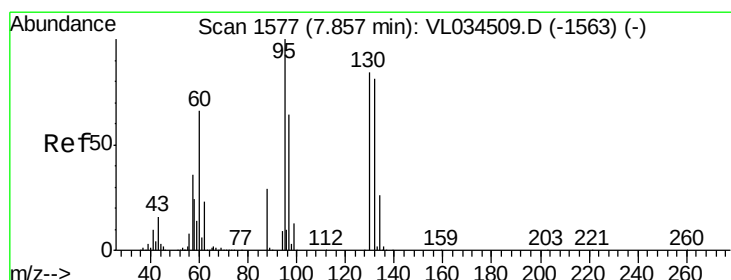
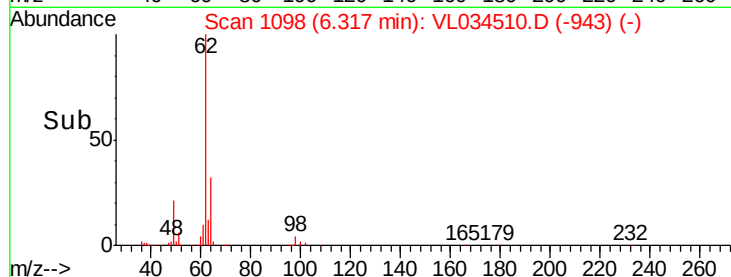
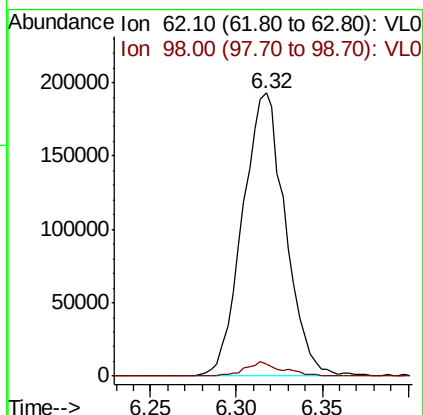
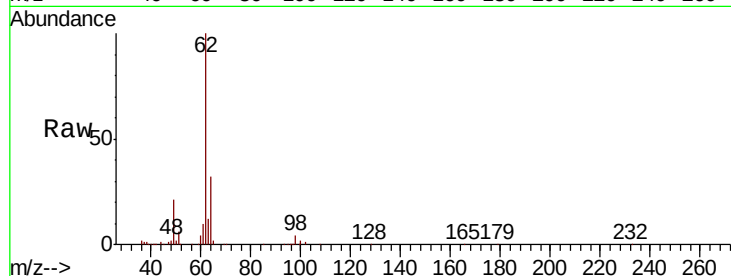
#37
1,2-Dichloroethane
Concen: 1.985 ppbv
RT: 6.32 min Scan# 1098
Delta R.T. -0.00 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
62	100		
98	4.4	3.8	5.6

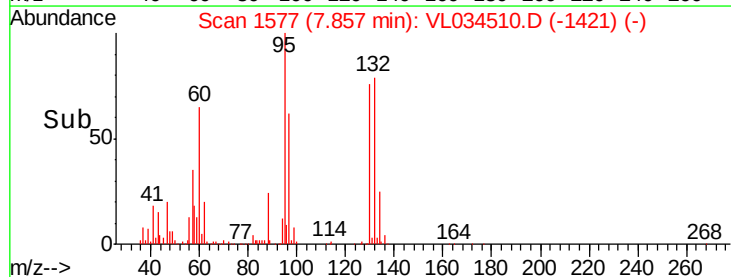
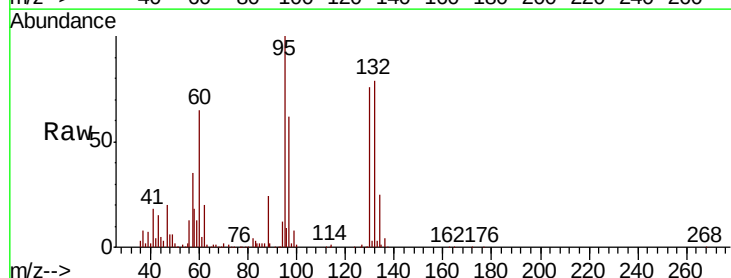
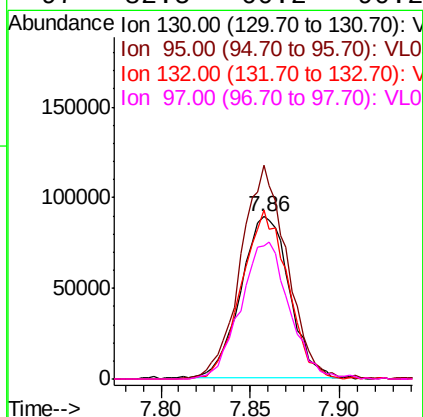
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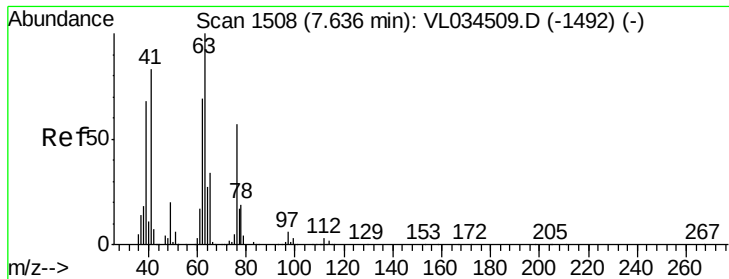
apatel
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#38
Trichloroethene
Concen: 1.823 ppbv
RT: 7.86 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Tgt Ion	Ratio	Lower	Upper
130	100		
95	132.2	94.2	141.2
132	105.2	76.1	114.1
97	82.5	60.2	90.2





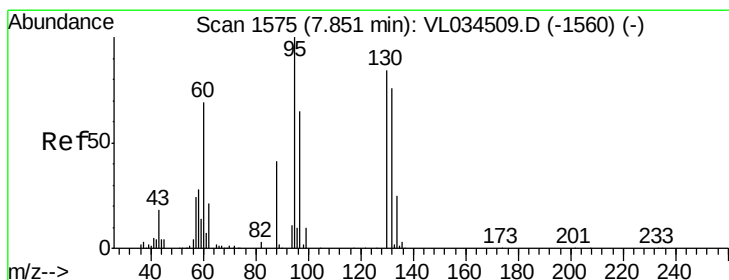
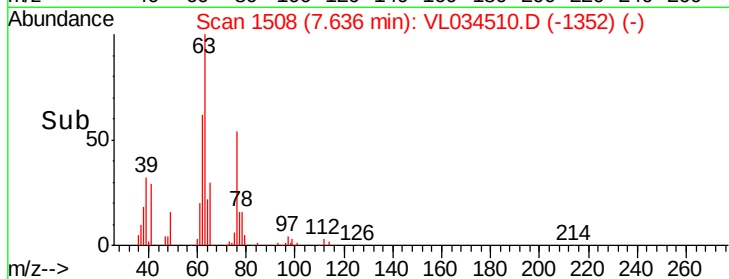
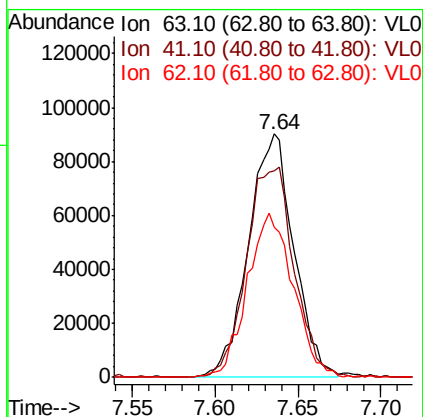
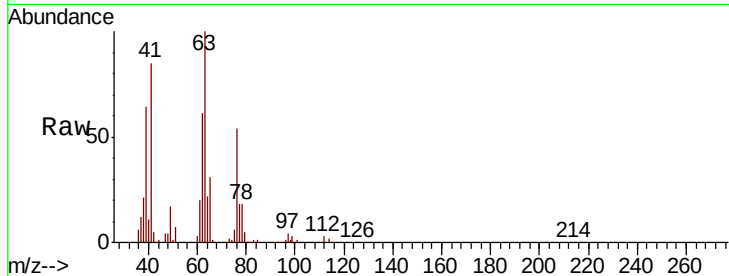
#39
 1,2-Dichloropropane
 Concen: 1.993 ppbv
 RT: 7.64 min Scan# 1508
 Delta R.T. 0.00 min
 Lab File: VL034510.D
 Acq: 30 Dec 2019 11:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion:	63	Resp:	171999
Ion	Ratio	Lower	Upper
63	100		
41	85.1	66.1	99.1
62	61.4	54.9	82.3

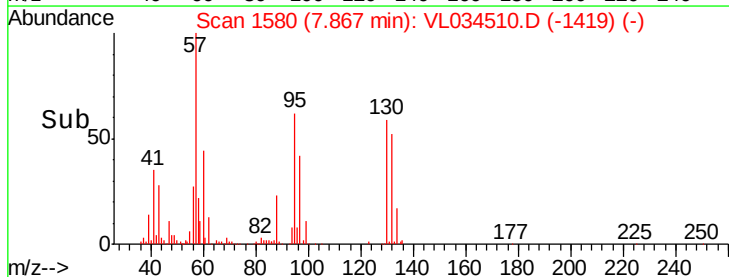
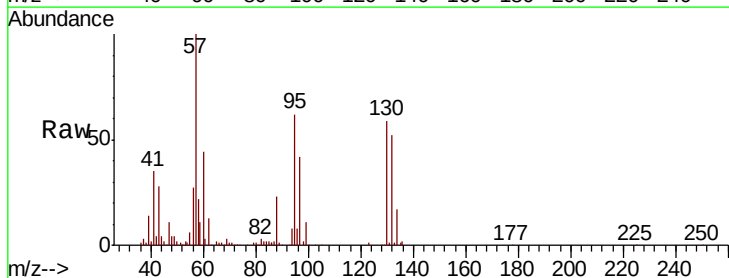
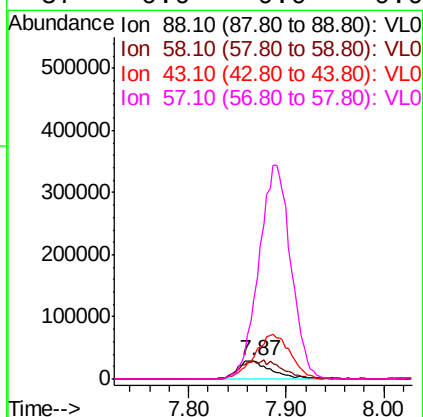
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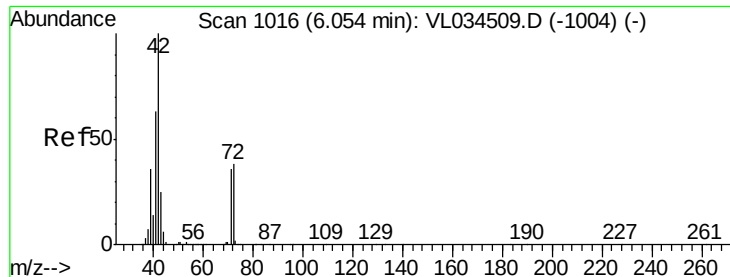
apatel
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#40
 1,4-Dioxane
 Concen: 1.984 ppbv m
 RT: 7.87 min Scan# 1580
 Delta R.T. 0.02 min
 Lab File: VL034510.D
 Acq: 30 Dec 2019 11:05

Tgt Ion:	88	Resp:	74783
Ion	Ratio	Lower	Upper
88	100		
58	0.0	107.9	161.9#
43	0.0	0.0	0.0
57	0.0	0.0	0.0





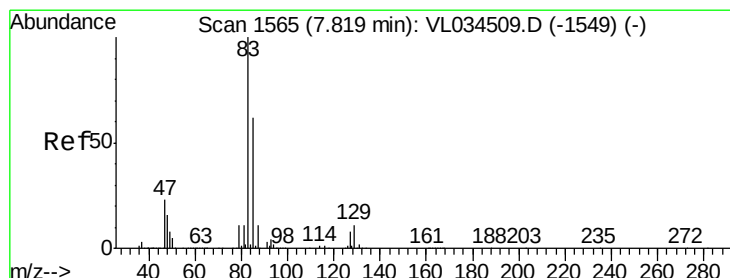
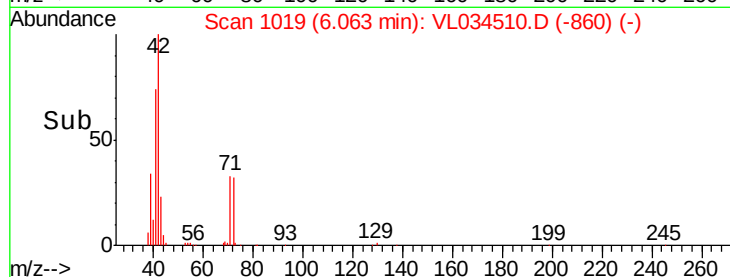
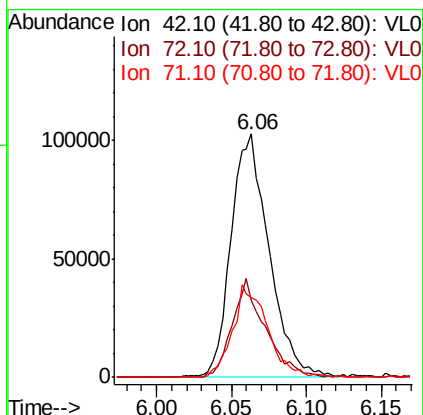
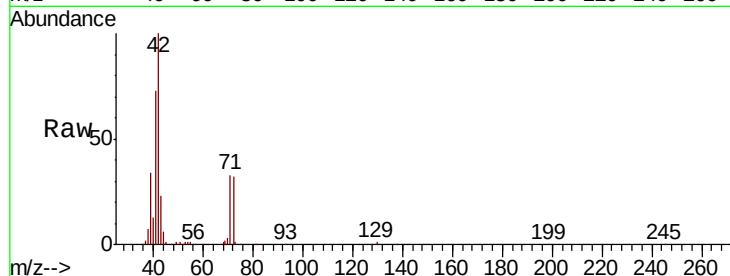
#41
Tetrahydrofuran
Concen: 1.736 ppbv
RT: 6.06 min Scan# 1019
Delta R.T. 0.01 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Instrument :
MSVOA_L
ClientSampled :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.8	30.9	46.3
71	35.4	28.9	43.3

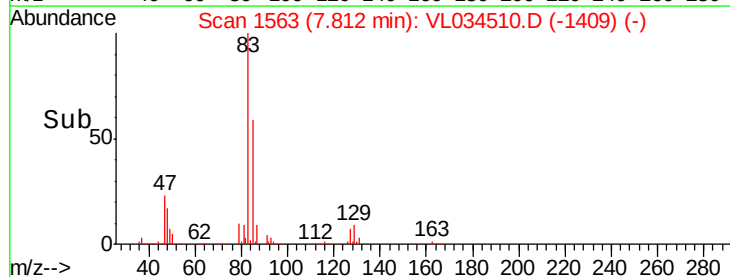
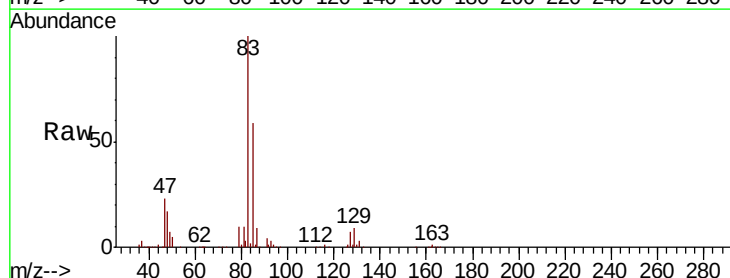
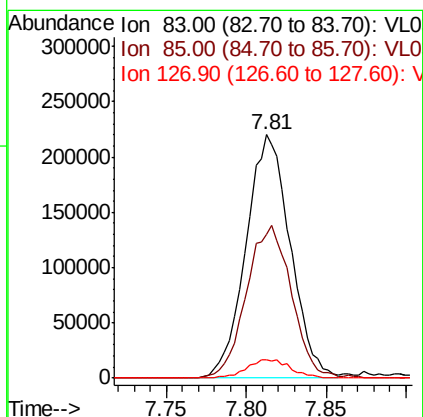
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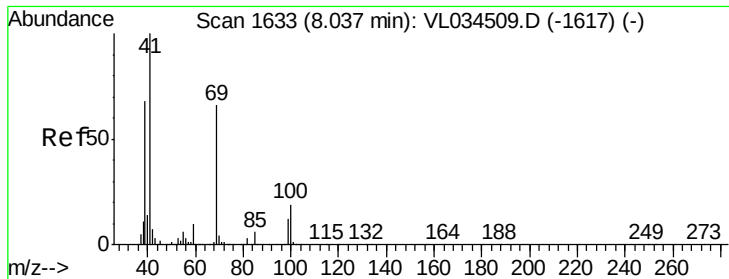
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#42
Bromodichloromethane
Concen: 2.005 ppbv
RT: 7.81 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	59.0	49.4	74.2
127	7.4	6.2	9.4





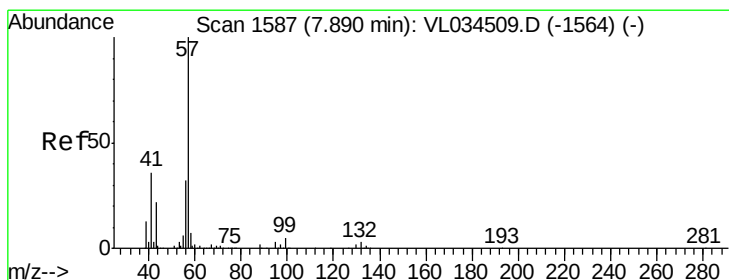
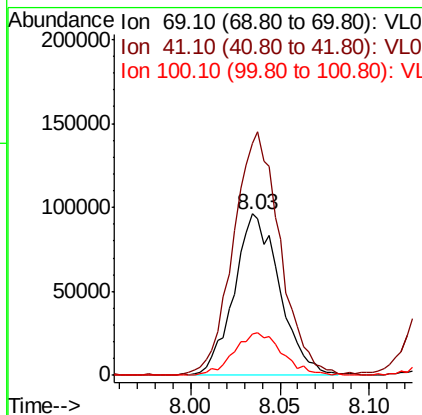
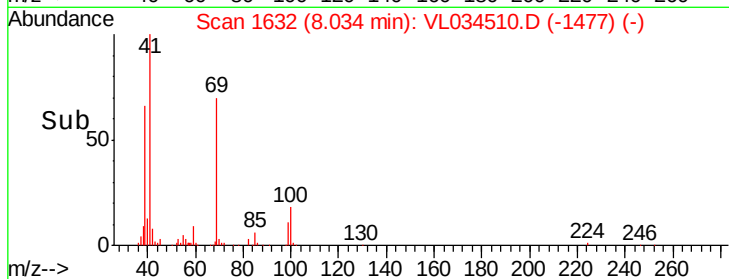
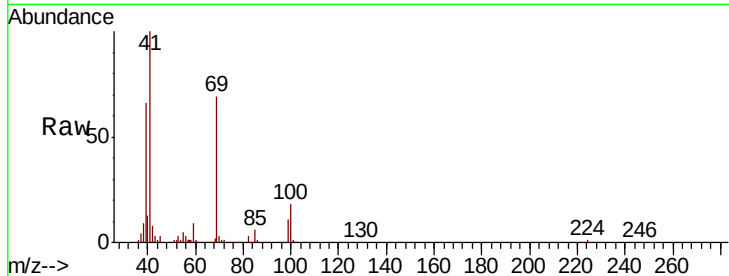
#43
Methyl Methacrylate
Concen: 1.827 ppbv
RT: 8.03 min Scan# 1632
Delta R.T. -0.00 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
69	100		
41	156.2	124.0	186.0
100	27.9	23.1	34.7

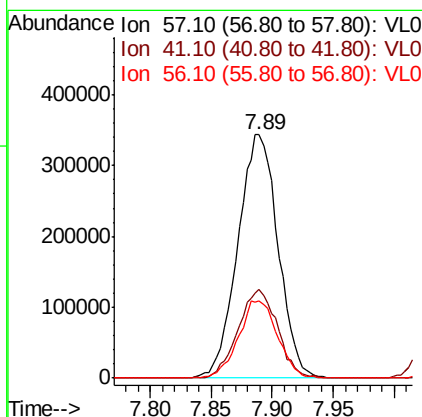
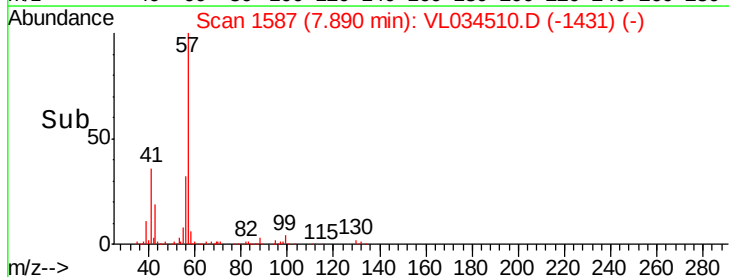
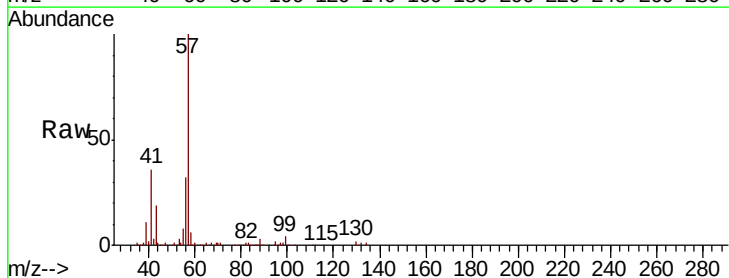
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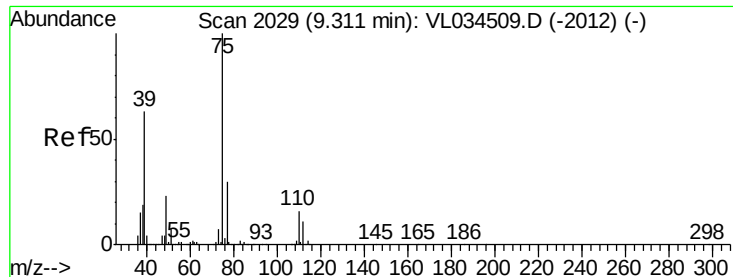
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#44
2,2,4-Trimethylpentane
Concen: 1.910 ppbv
RT: 7.89 min Scan# 1587
Delta R.T. 0.00 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Tgt Ion	Ratio	Lower	Upper
57	100		
41	35.7	29.0	43.4
56	30.8	24.9	37.3





#45

t-1,3-Dichloropropene

Concen: 1.773 ppbv

RT: 9.31 min Scan# 2029

Delta R.T. 0.00 min

Lab File: VL034510.D

Acq: 30 Dec 2019 11:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 75 Resp: 211285

Ion Ratio Lower Upper

75 100

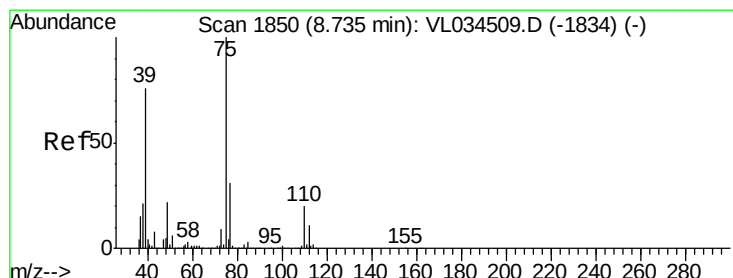
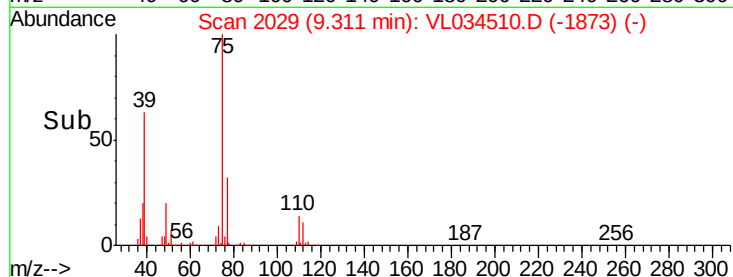
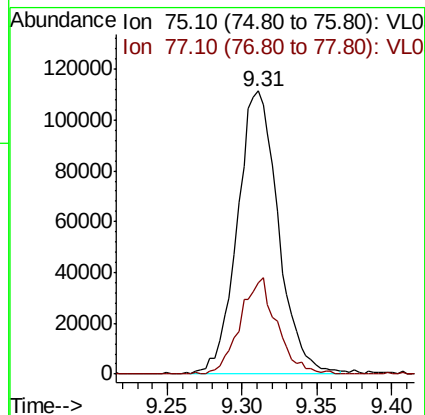
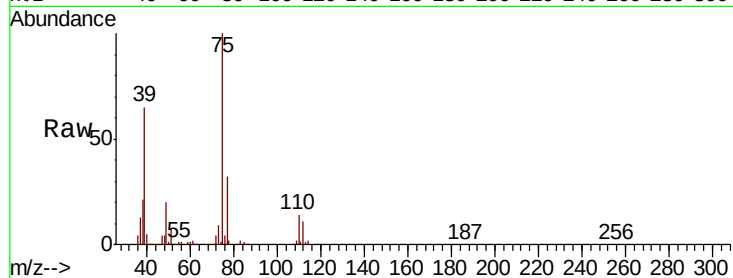
77 32.3 24.2 36.2

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#46

cis-1,3-Dichloropropene

Concen: 1.856 ppbv

RT: 8.73 min Scan# 1849

Delta R.T. -0.00 min

Lab File: VL034510.D

Acq: 30 Dec 2019 11:05

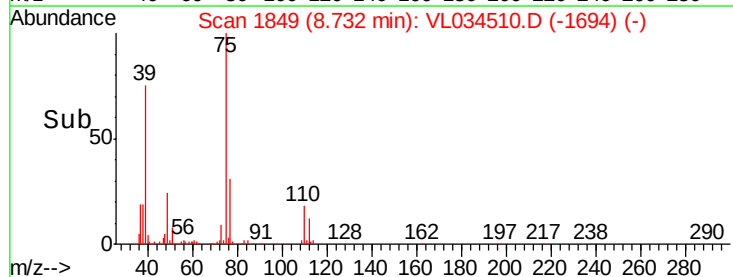
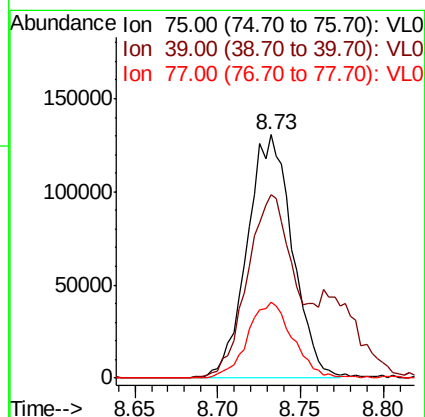
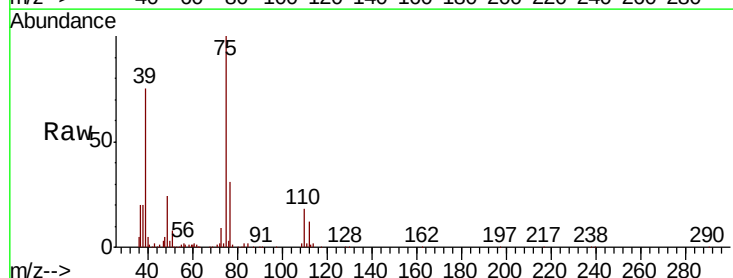
Tgt Ion: 75 Resp: 248359

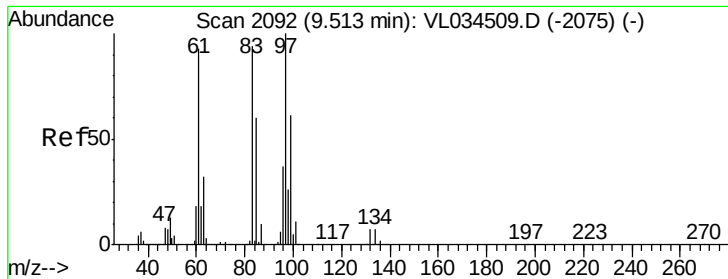
Ion Ratio Lower Upper

75 100

39 75.1 60.5 90.7

77 31.3 24.8 37.2





#47

1,1,2-Trichloroethane

Concen: 1.905 ppbv

RT: 9.51 min Scan# 2090

Delta R.T. -0.01 min

Lab File: VL034510.D

Acq: 30 Dec 2019 11:05

Instrument :

MSVOA_L

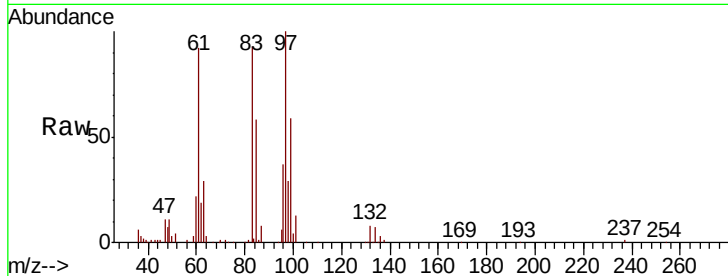
ClientSampleId :

VSTDIC002

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		182913		
83	92.8	75.0	112.4		
85	57.9	48.2	72.4		
99	58.4	48.5	72.7		

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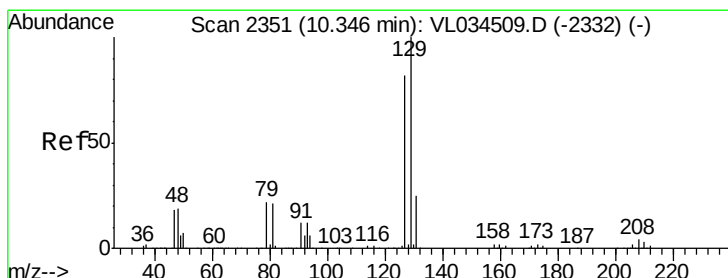
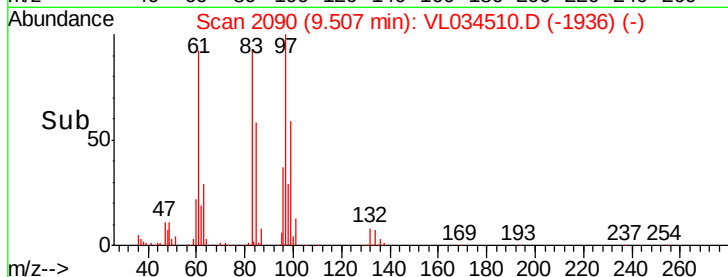
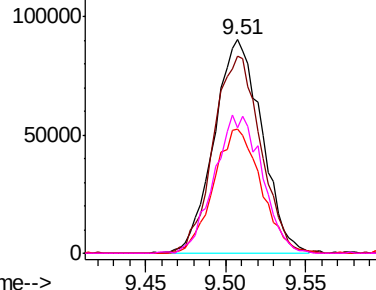


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 2.008 ppbv

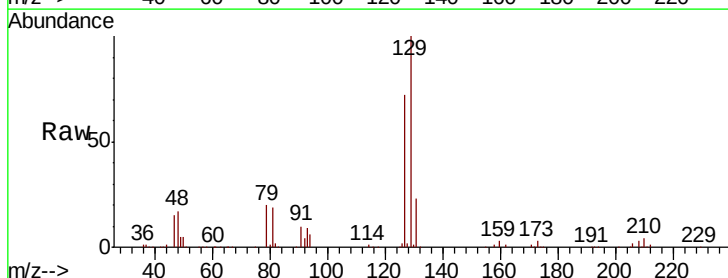
RT: 10.34 min Scan# 2350

Delta R.T. -0.00 min

Lab File: VL034510.D

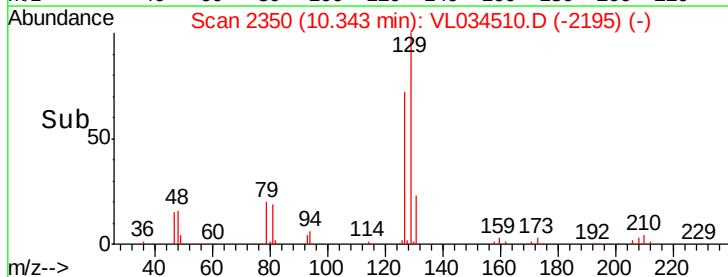
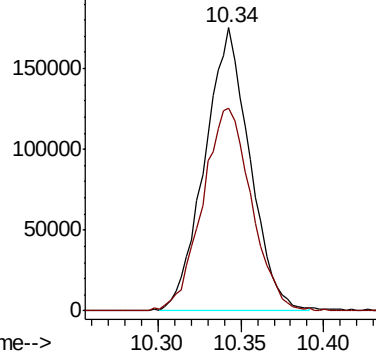
Acq: 30 Dec 2019 11:05

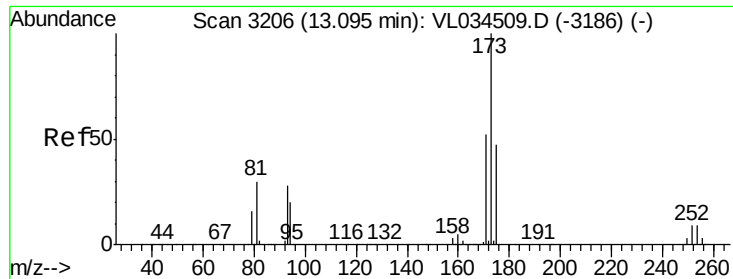
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
129	100		330927		
127	78.0	39.4	118.2		



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 2.008 ppbv

RT: 13.09 min Scan# 3203

Delta R.T. -0.01 min

Lab File: VL034510.D

Acq: 30 Dec 2019 11:05

Instrument :

MSVOA_L

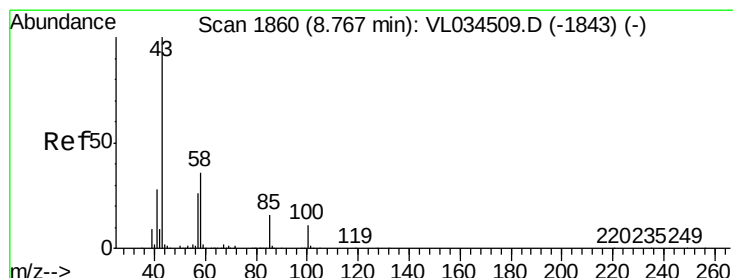
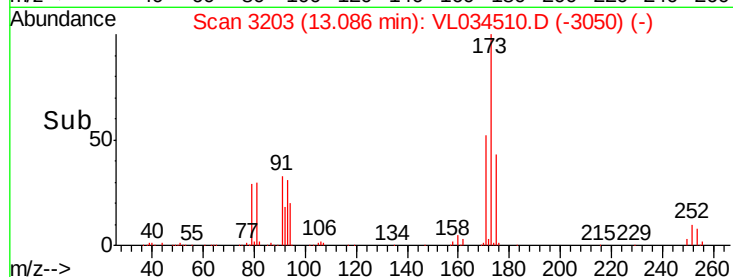
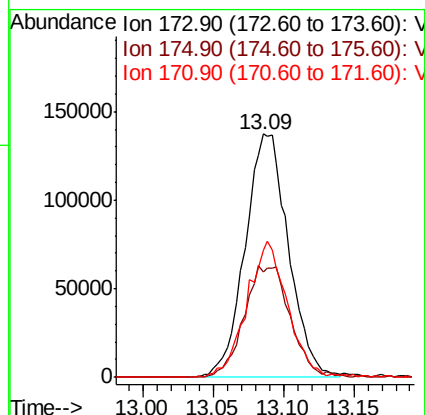
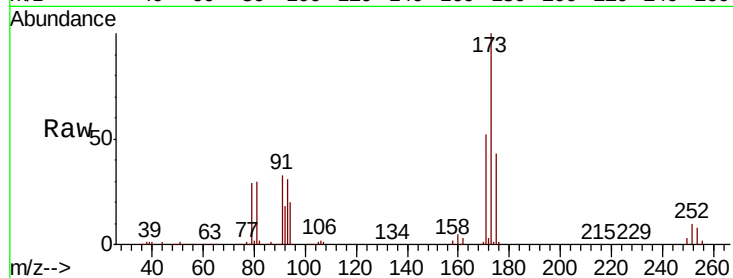
ClientSampleId :

VSTDIC002

Tot Ion:	173	Resp:	295422
Ion Ratio	Lower	Upper	
173	100		
175	48.6	39.8	59.8
171	52.2	42.1	63.1

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#50

4-Methyl-2-Pentanone

Concen: 1.902 ppbv

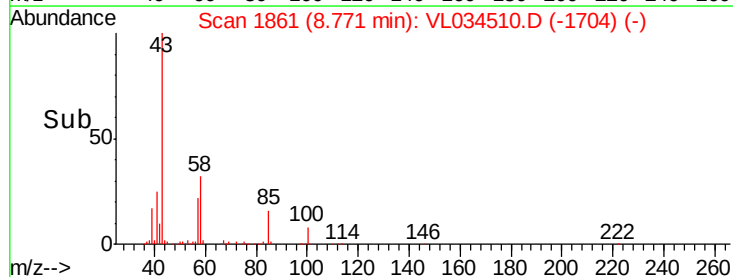
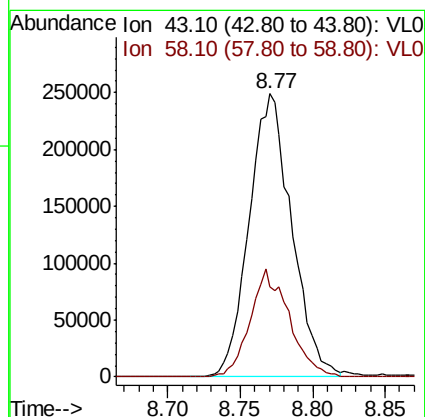
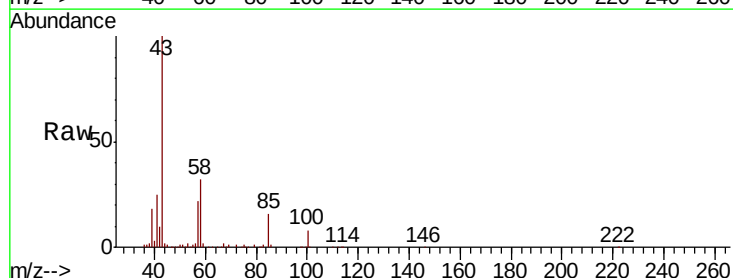
RT: 8.77 min Scan# 1861

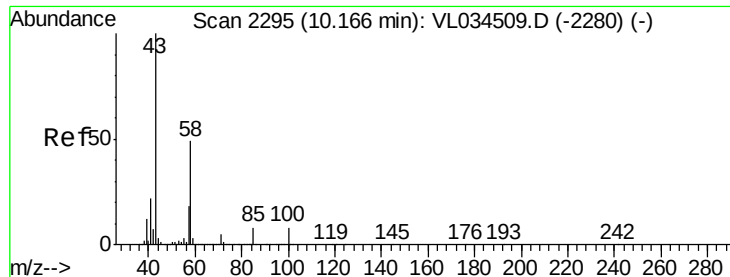
Delta R.T. 0.00 min

Lab File: VL034510.D

Acq: 30 Dec 2019 11:05

Tgt Ion:	43	Resp:	507540
Ion Ratio	Lower	Upper	
43	100		
58	35.1	28.2	42.2





#51

2-Hexanone

Concen: 1.864 ppbv

RT: 10.17 min Scan# 2295

Delta R.T. 0.00 min

Lab File: VL034510.D

Acq: 30 Dec 2019 11:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 43 Resp: 416743

Ion Ratio Lower Upper

43 100

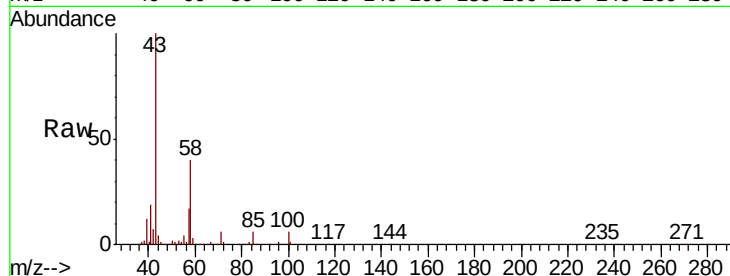
58 44.8 37.4 56.0

98 0.7 0.2 0.2#

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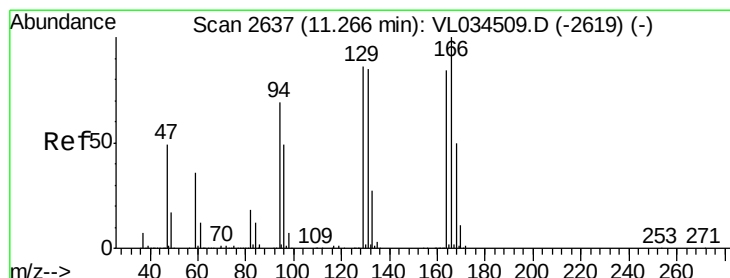
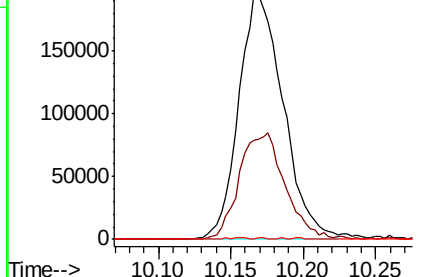
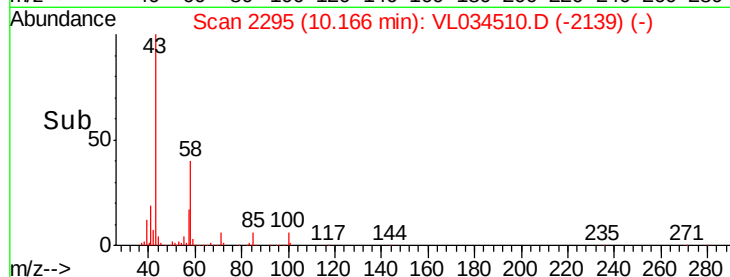
Abundance

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

10.17



#52

Tetrachloroethene

Concen: 1.658 ppbv m

RT: 11.27 min Scan# 2638

Delta R.T. 0.00 min

Lab File: VL034510.D

Acq: 30 Dec 2019 11:05

Tgt Ion: 164 Resp: 160643

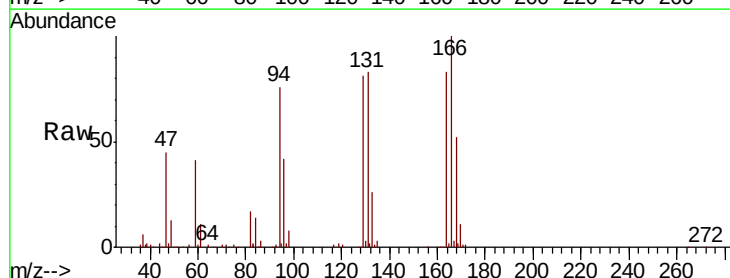
Ion Ratio Lower Upper

164 100

166 119.8 95.7 143.5

129 97.2 82.2 123.2

131 99.9 81.3 121.9



Abundance

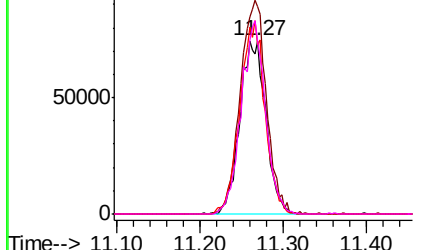
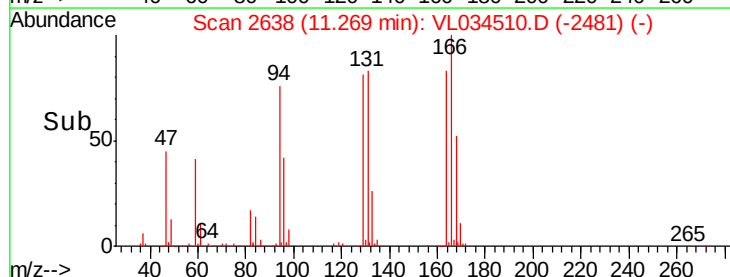
Ion 163.90 (163.60 to 164.60): V

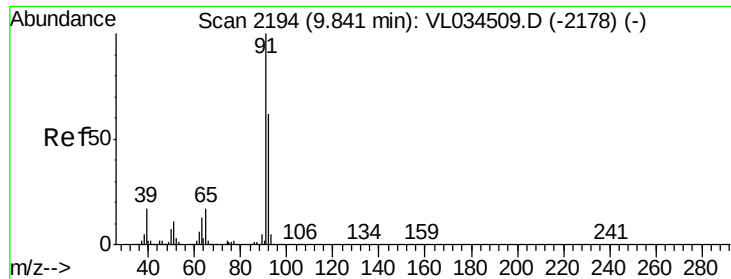
Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

11.27





#53

Toluene

Concen: 1.841 ppbv

RT: 9.84 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VL034510.D

Acq: 30 Dec 2019 11:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 91 Resp: 468510

Ion Ratio Lower Upper

91 100

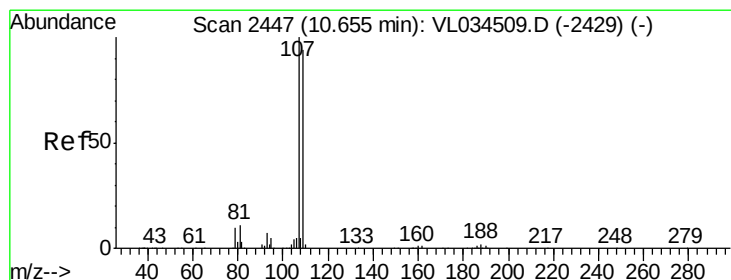
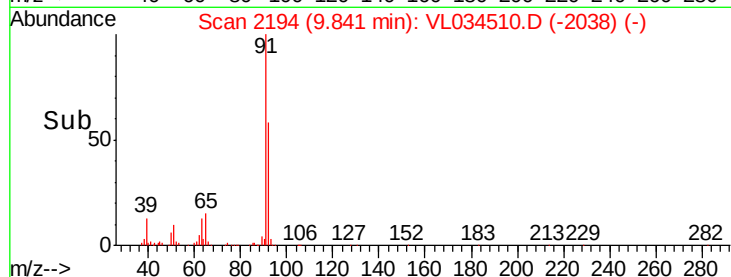
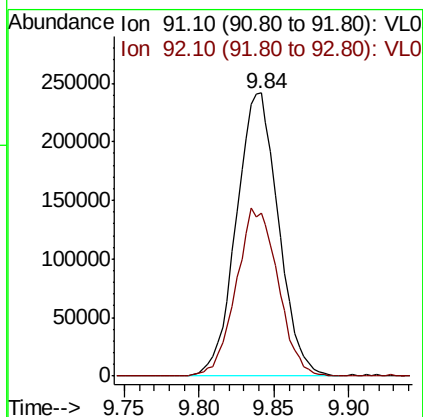
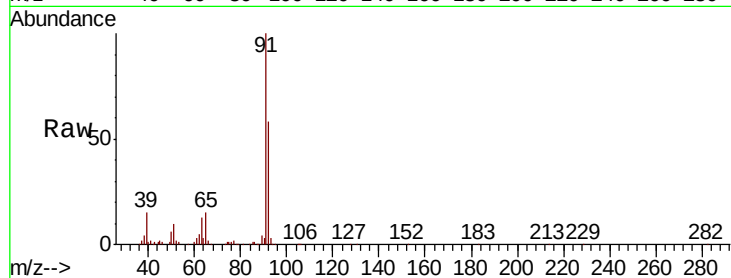
92 59.7 48.4 72.6

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#54

1,2-Dibromoethane

Concen: 1.886 ppbv

RT: 10.65 min Scan# 2444

Delta R.T. -0.01 min

Lab File: VL034510.D

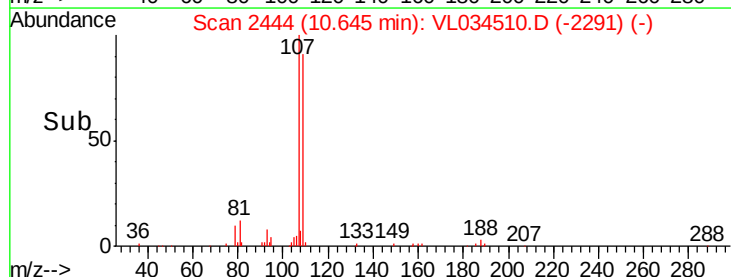
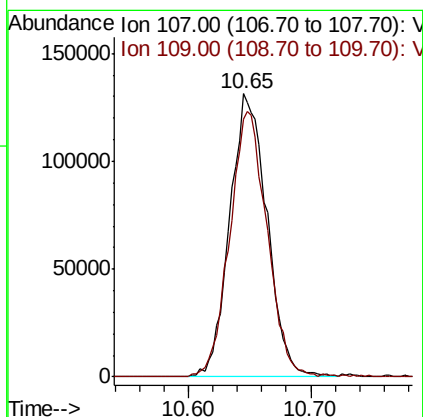
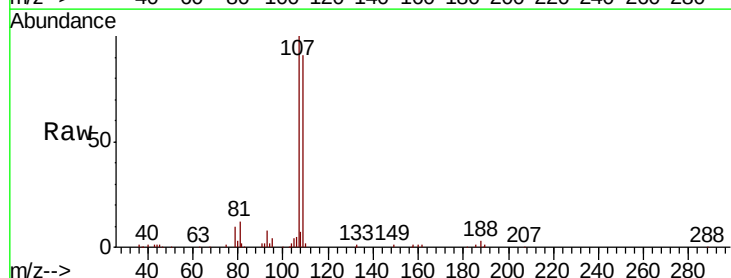
Acq: 30 Dec 2019 11:05

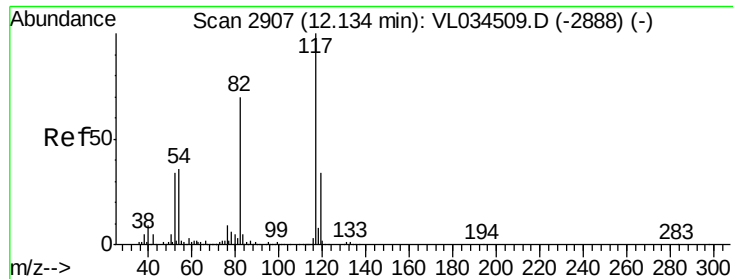
Tgt Ion: 107 Resp: 277516

Ion Ratio Lower Upper

107 100

109 90.6 75.5 113.3





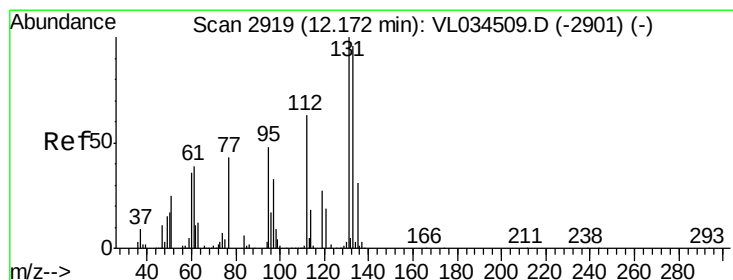
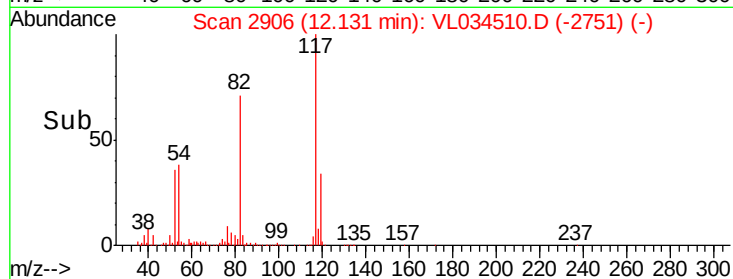
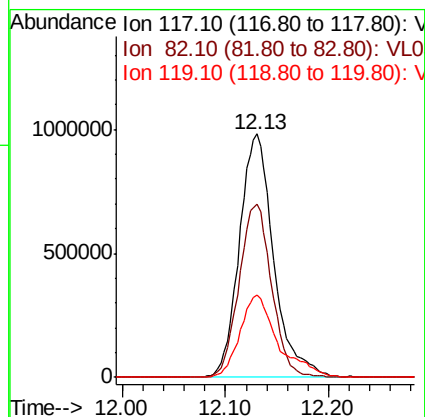
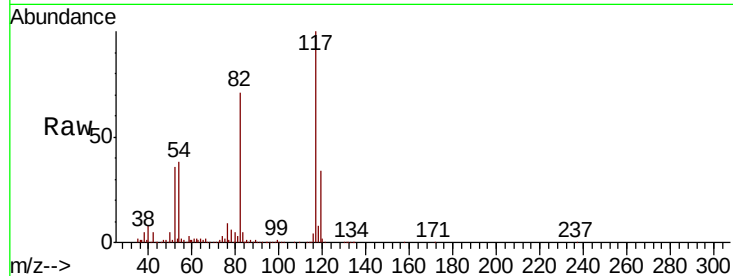
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.13 min Scan# 2906
Delta R.T. -0.00 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
117	100		
82	68.1	56.2	84.4
119	37.4	27.1	40.7

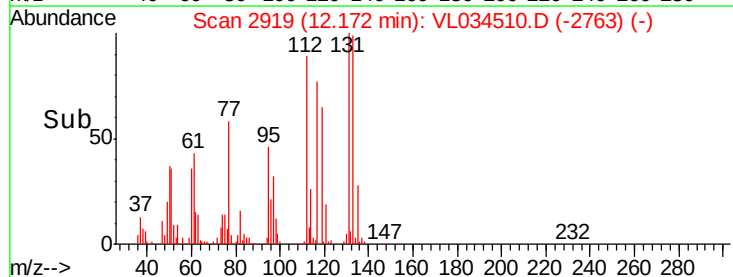
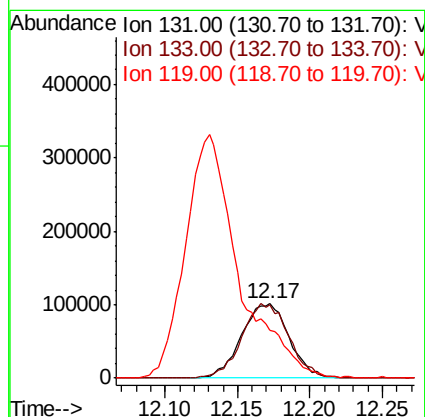
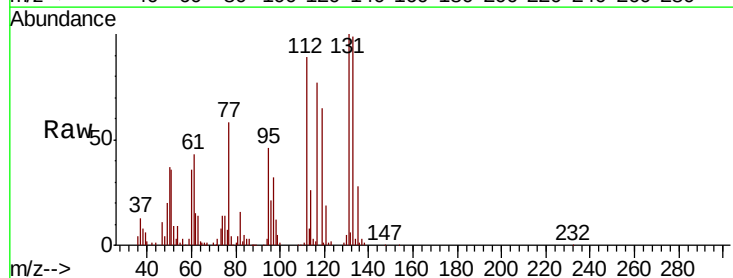
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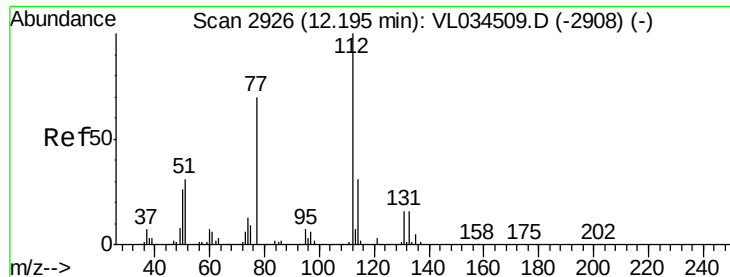
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#56
1,1,1,2-Tetrachloroethane
Concen: 2.080 ppbv
RT: 12.17 min Scan# 2919
Delta R.T. 0.00 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Tgt Ion	Ratio	Lower	Upper
131	100		
133	98.9	76.2	114.2
119	367.2	47.1	70.7#





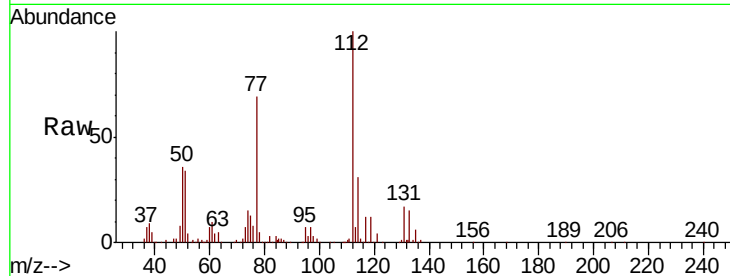
#57
Chlorobenzene
Concen: 1.908 ppbv
RT: 12.19 min Scan# 2925
Delta R.T. -0.00 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
112	100		
77	68.4	57.4	86.0
114	30.7	28.4	34.8

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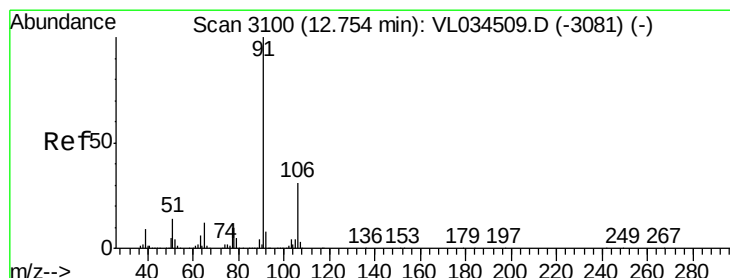
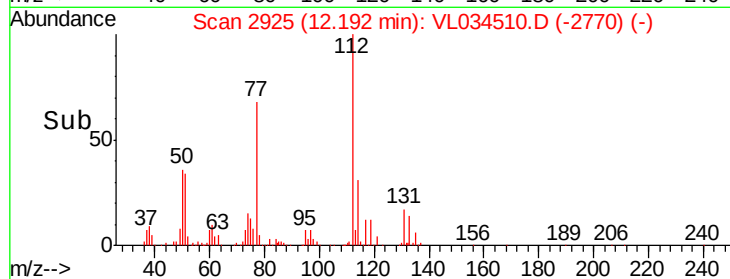
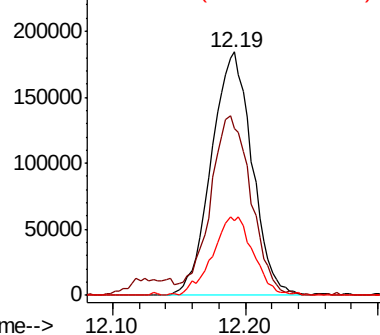


Abundance

Ion 112.10 (111.80 to 112.80): V

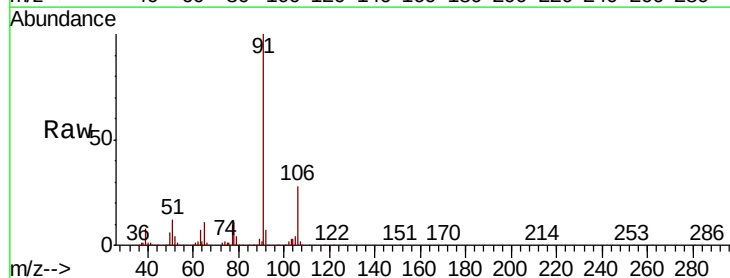
Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58
Ethyl Benzene
Concen: 1.925 ppbv
RT: 12.75 min Scan# 3100
Delta R.T. 0.00 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

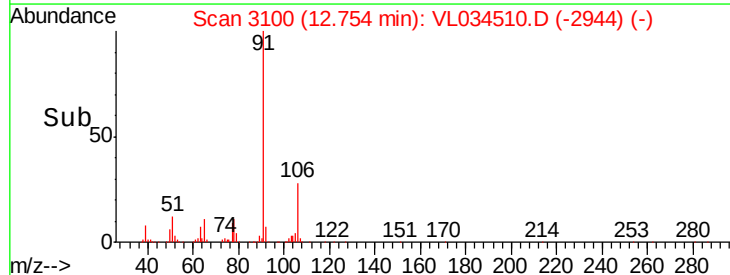
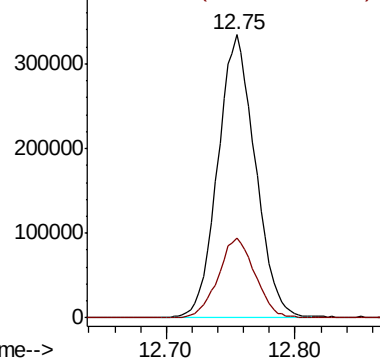
Tgt Ion	Ratio	Lower	Upper
91	100		
106	28.0	24.6	36.8

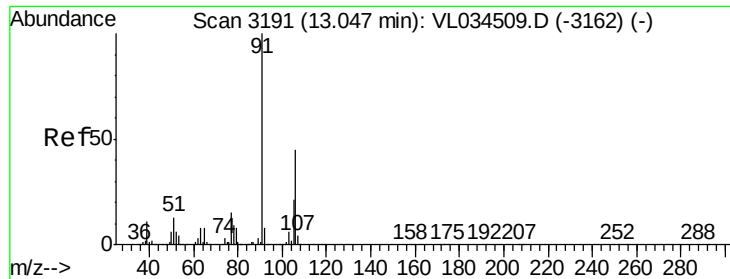


Abundance

Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 3.902 ppbv m

RT: 13.04 min Scan# 3189

Delta R.T. -0.01 min

Lab File: VL034510.D

Acq: 30 Dec 2019 11:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 91 Resp: 1187840

Ion Ratio Lower Upper

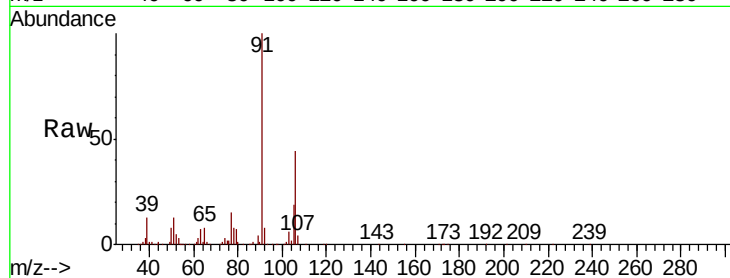
91 100

106 41.6 35.6 53.4

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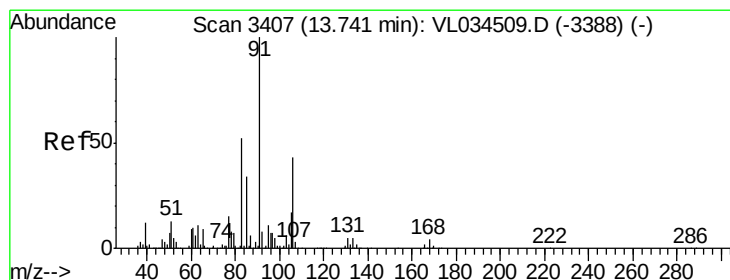
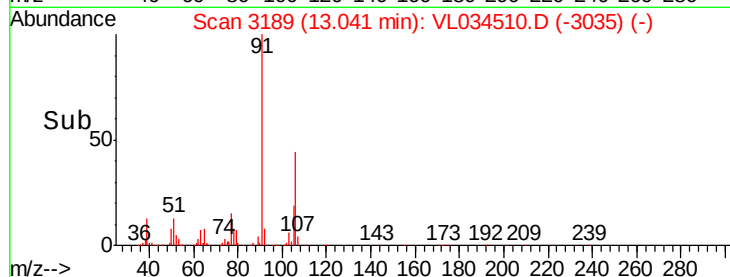
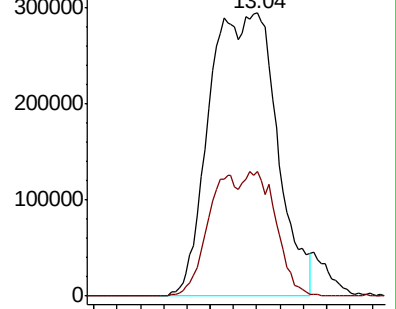
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#60

o-Xylene

Concen: 1.927 ppbv

RT: 13.74 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VL034510.D

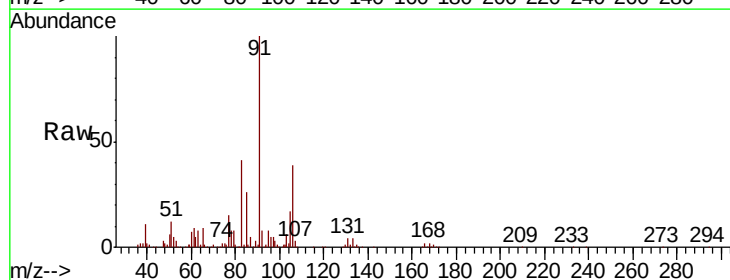
Acq: 30 Dec 2019 11:05

Tgt Ion: 91 Resp: 580085

Ion Ratio Lower Upper

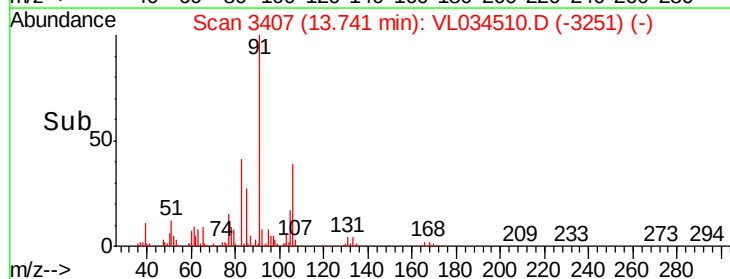
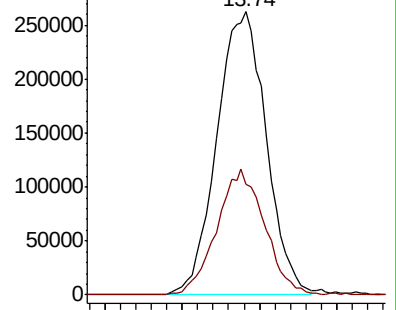
91 100

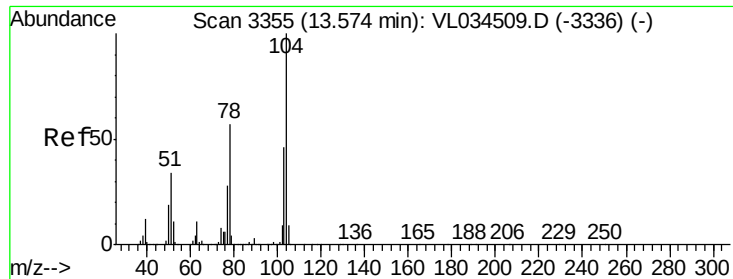
106 43.3 21.4 64.3



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





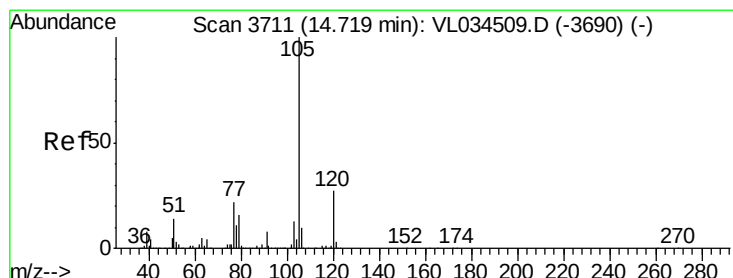
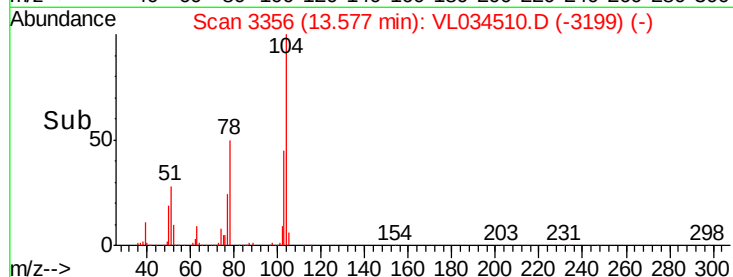
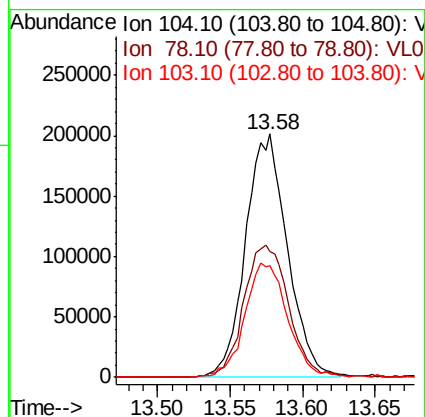
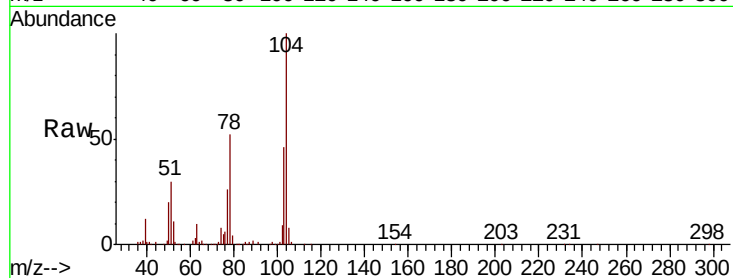
#61
Stvrene
Concen: 1.863 ppbv
RT: 13.58 min Scan# 3356
Delta R.T. 0.00 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
104	100		
78	58.8	47.7	71.5
103	48.3	38.6	58.0

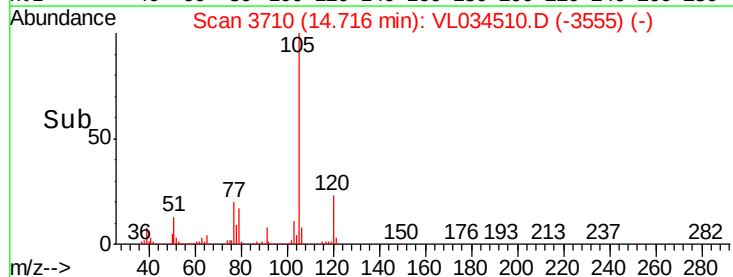
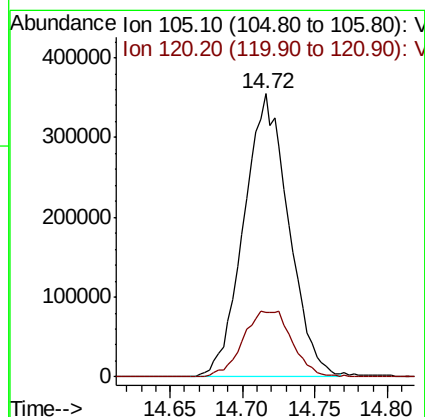
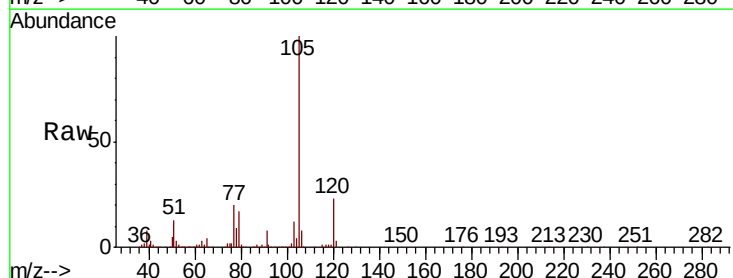
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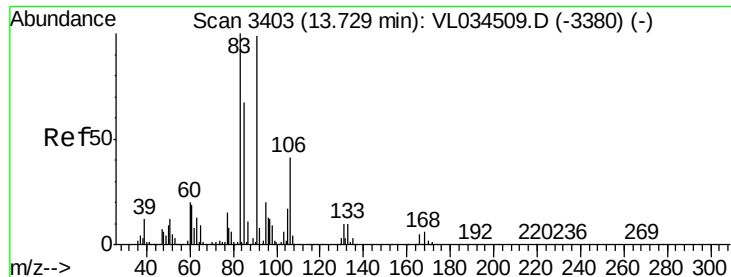
apatel
1/2/2020 10:48:34 AM



#62
Isopropylbenzene
Concen: 1.911 ppbv
RT: 14.72 min Scan# 3710
Delta R.T. -0.00 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.6	20.6	30.8





#63

1,1,2,2-Tetrachloroethane

Concen: 1.890 ppbv

RT: 13.73 min Scan# 3402

Delta R.T. -0.00 min

Lab File: VL034510.D

Acq: 30 Dec 2019 11:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 83 Resp: 427658

Ion Ratio Lower Upper

83 100

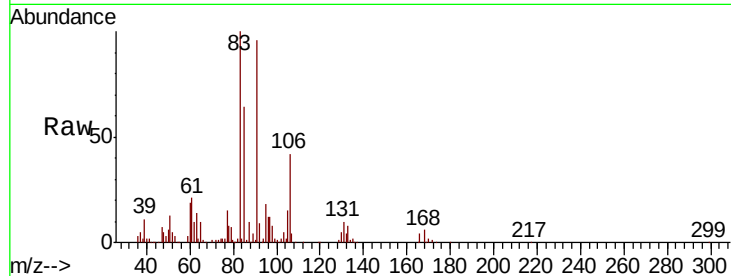
131 9.7 4.8 14.4

85 65.3 32.5 97.4

Manual Integrations
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apatel

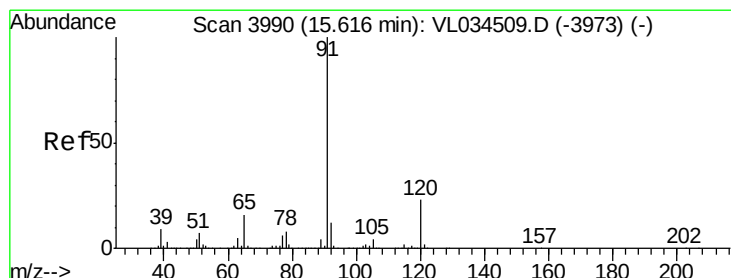
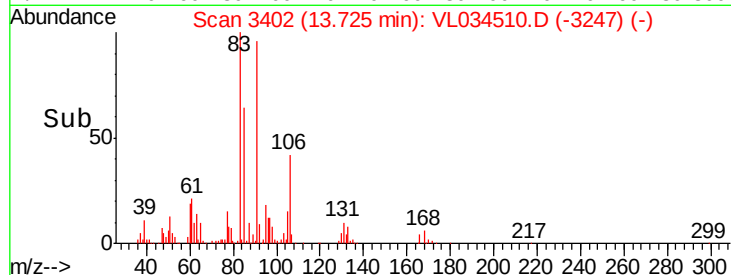
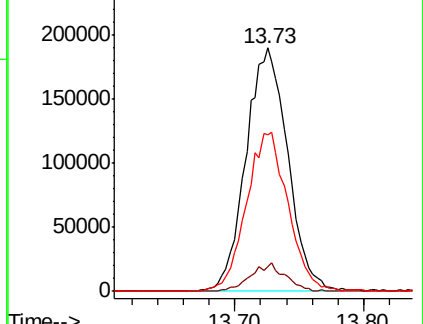
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Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 1.839 ppbv

RT: 15.62 min Scan# 3990

Delta R.T. 0.00 min

Lab File: VL034510.D

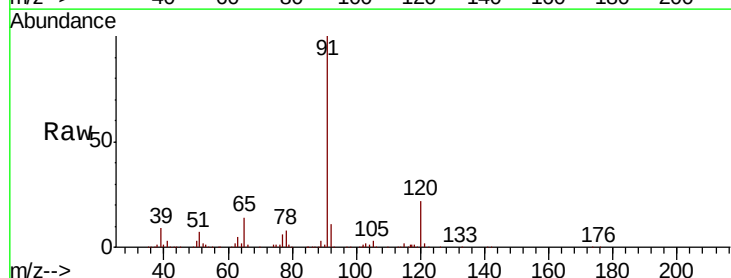
Acq: 30 Dec 2019 11:05

Tgt Ion:120 Resp: 190092

Ion Ratio Lower Upper

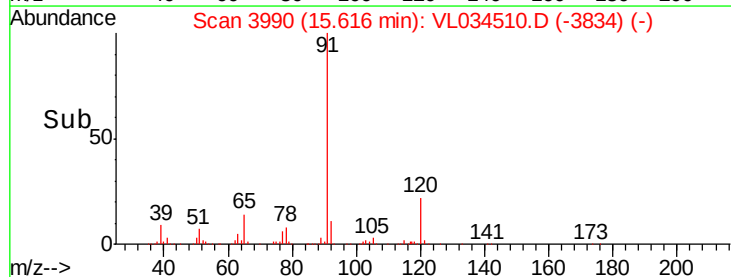
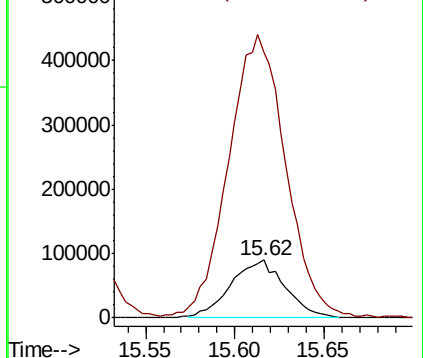
120 100

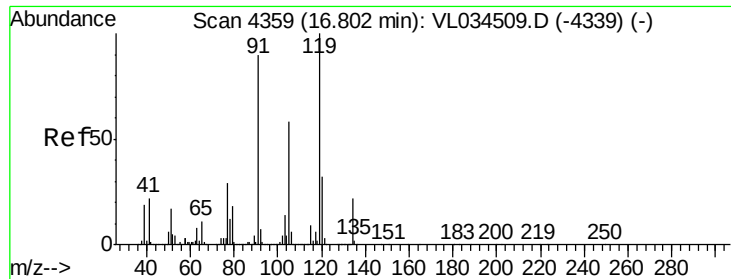
91 521.4 375.6 563.4



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 2.024 ppbv

RT: 16.80 min Scan# 4357

Delta R.T. -0.01 min

Lab File: VL034510.D

Acq: 30 Dec 2019 11:05

Instrument :

MSVOA_L

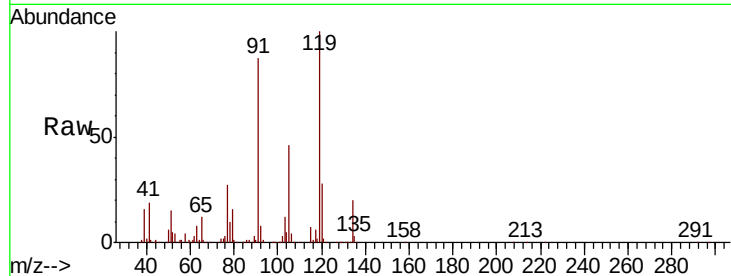
ClientSampleId :

VSTDIC002

Tot Ion:	119	Resp:	723826
Ion Ratio	Lower	Upper	
119	100		
91	92.0	72.0	108.0
134	19.2	16.1	24.1

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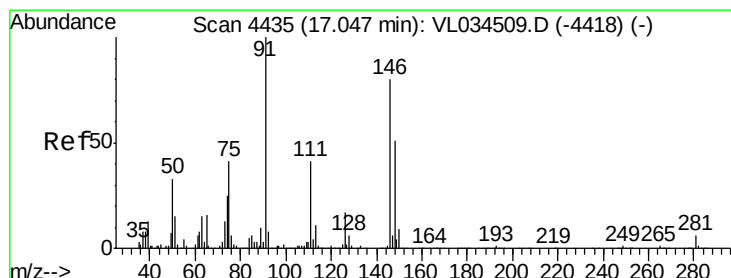
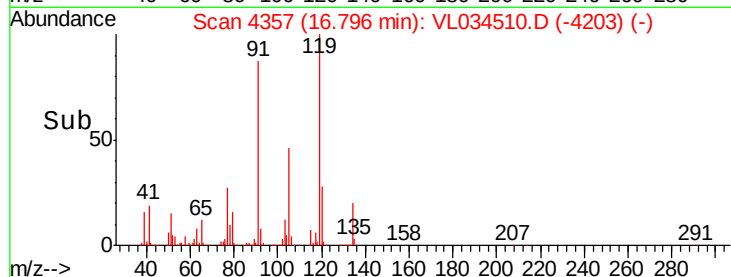
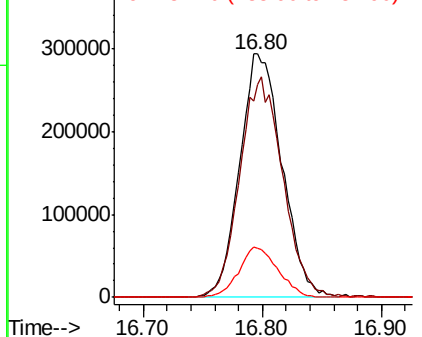
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Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 2.138 ppbv m

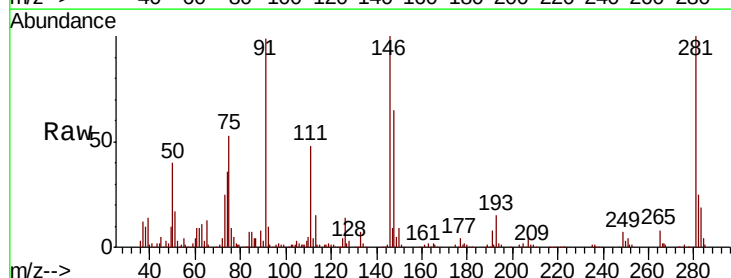
RT: 17.04 min Scan# 4434

Delta R.T. -0.00 min

Lab File: VL034510.D

Acq: 30 Dec 2019 11:05

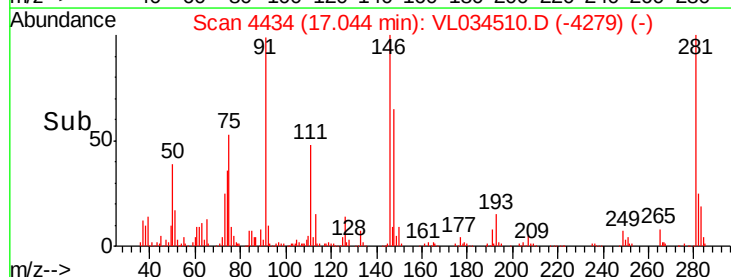
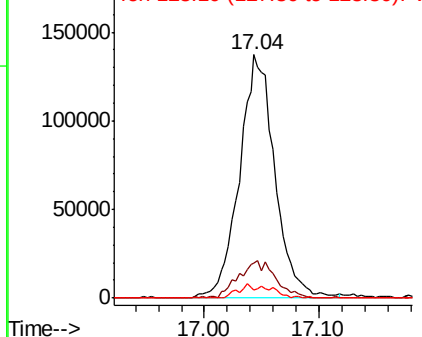
Tgt Ion:	91	Resp:	294130
Ion Ratio	Lower	Upper	
91	100		
126	16.4	13.1	19.7
128	5.3	4.2	6.4

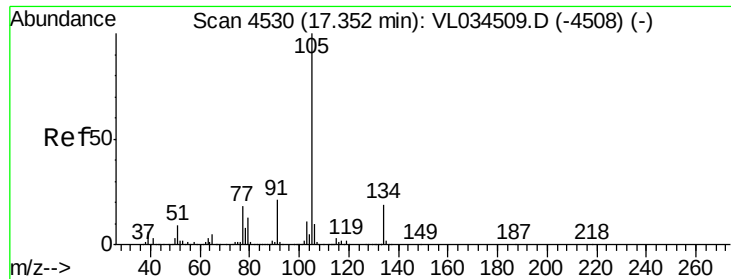


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 2.031 ppbv

RT: 17.35 min Scan# 4529

Delta R.T. -0.00 min

Lab File: VL034510.D

Acq: 30 Dec 2019 11:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 105 Resp: 1015569

Ion Ratio Lower Upper

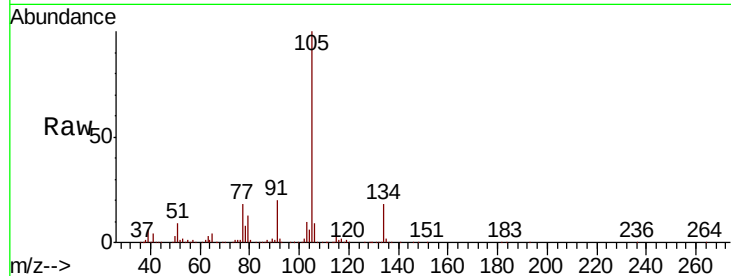
105 100

134 17.7 15.1 22.7

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

17.35

400000

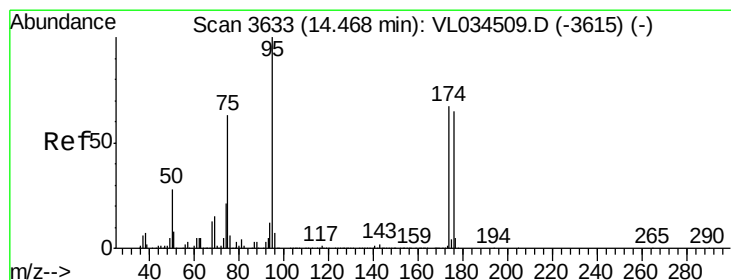
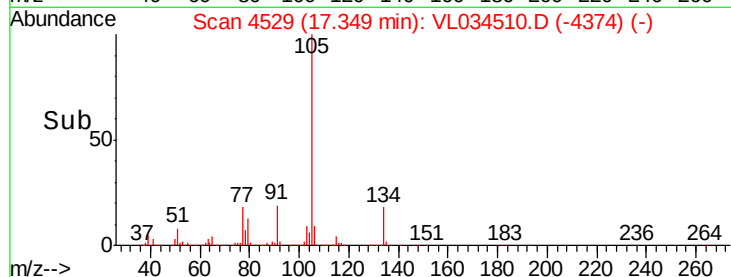
300000

200000

100000

0

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 9.497 ppbv

RT: 14.47 min Scan# 3633

Delta R.T. 0.00 min

Lab File: VL034510.D

Acq: 30 Dec 2019 11:05

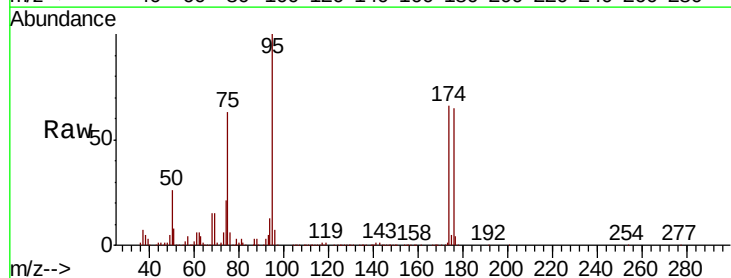
Tgt Ion: 95 Resp: 1813045

Ion Ratio Lower Upper

95 100

174 66.3 52.4 78.6

175 4.8 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

14.47

1000000

800000

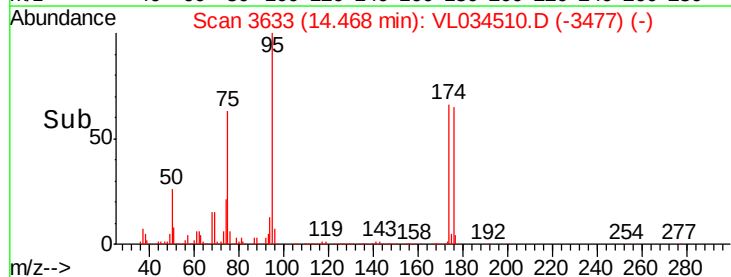
600000

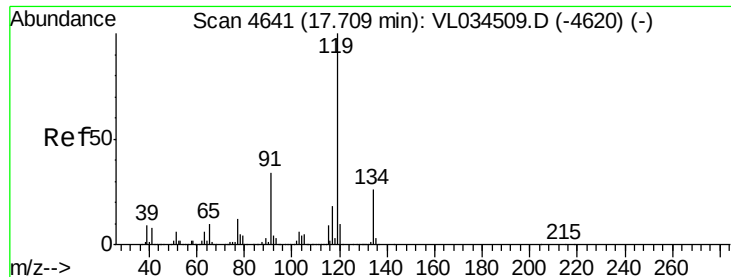
400000

200000

0

Time-->





#69

p-Isopropyltoluene

Concen: 2.007 ppbv

RT: 17.70 min Scan# 4639

Delta R.T. -0.01 min

Lab File: VL034510.D

Acq: 30 Dec 2019 11:05

Instrument :

MSVOA_L

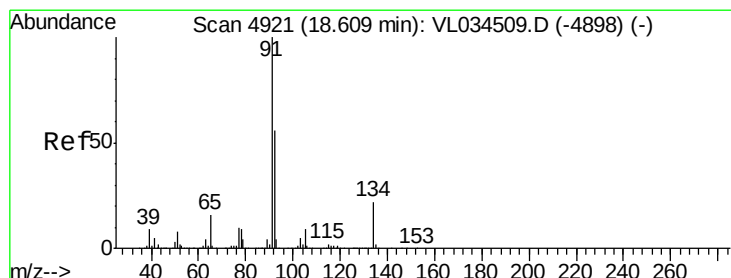
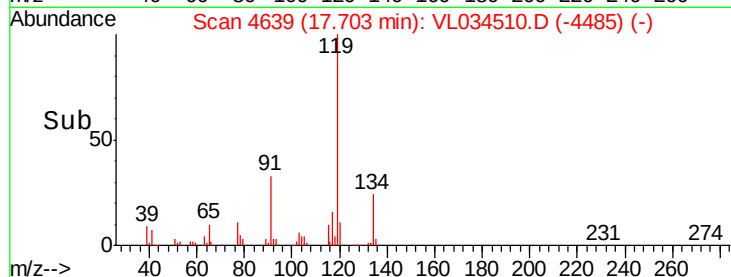
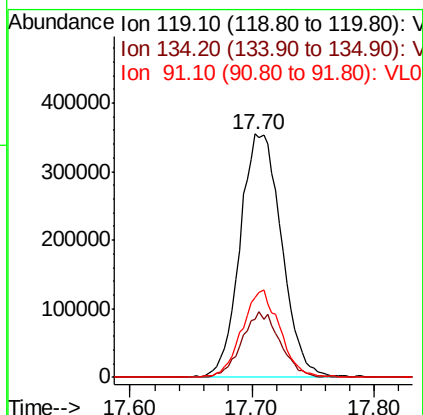
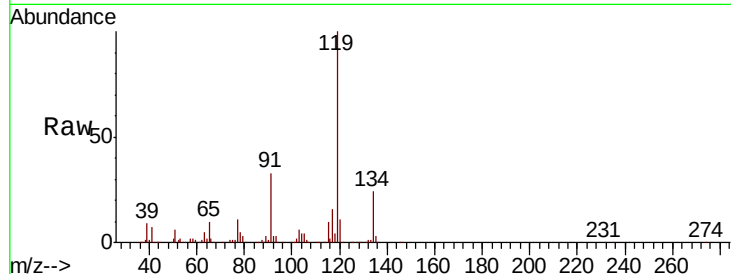
ClientSampleId :

VSTDIC002

Tot Ion:	119	Resp:	833233
Ion Ratio	Lower	Upper	
119	100		
134	24.7	20.7	31.1
91	32.9	26.6	39.8

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#70

n-Butylbenzene

Concen: 2.032 ppbv

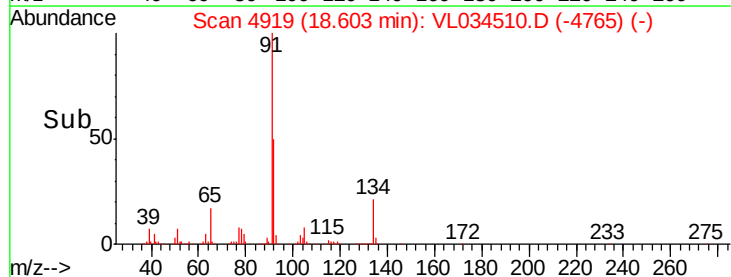
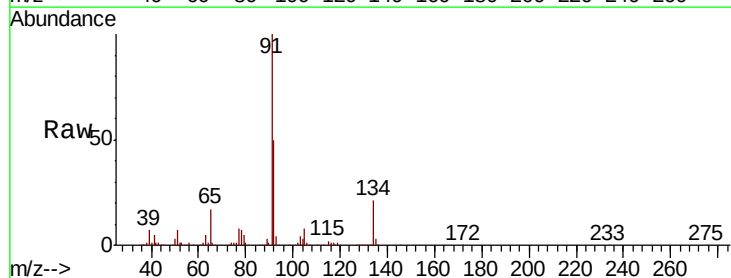
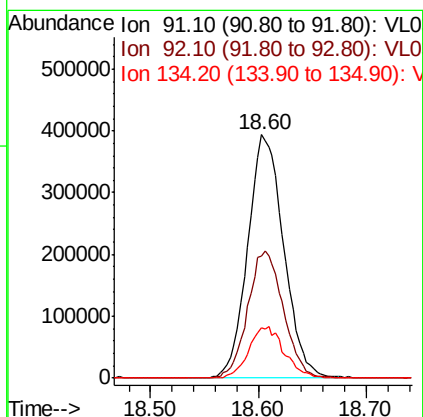
RT: 18.60 min Scan# 4919

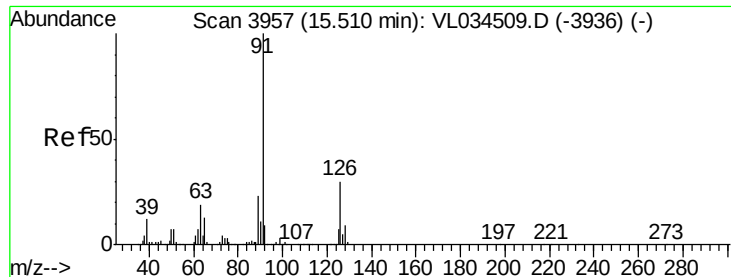
Delta R.T. -0.01 min

Lab File: VL034510.D

Acq: 30 Dec 2019 11:05

Tgt Ion:	91	Resp:	907758
Ion Ratio	Lower	Upper	
91	100		
92	51.9	43.8	65.6
134	20.8	18.0	27.0





#71

2-Chlorotoluene

Concen: 1.924 ppbv

RT: 15.51 min Scan# 3956

Delta R.T. -0.00 min

Lab File: VL034510.D

Acq: 30 Dec 2019 11:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 91 Resp: 610556

Ion Ratio Lower Upper

91 100

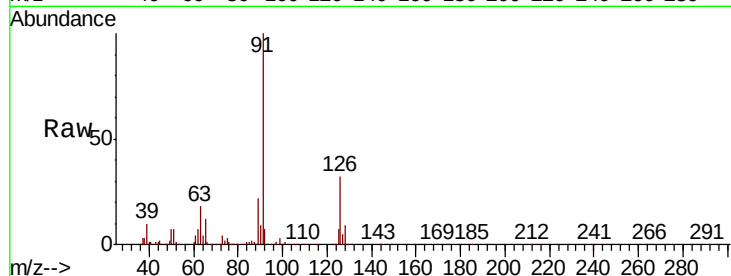
126 29.5 12.0 47.8

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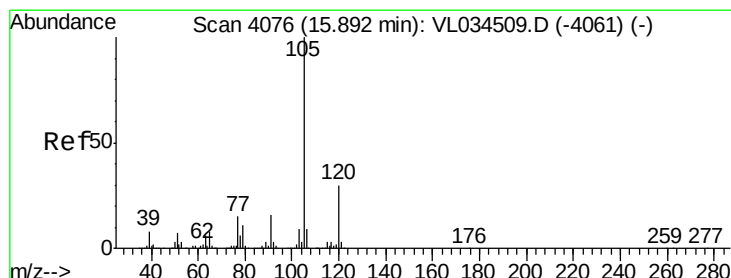
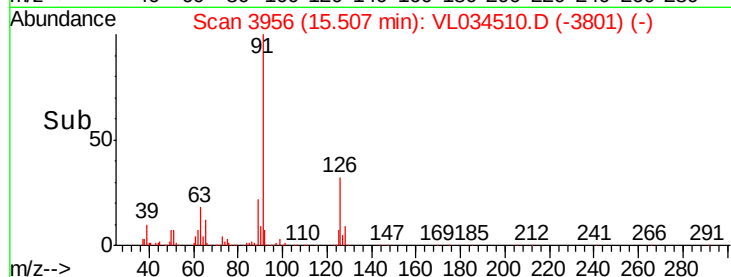
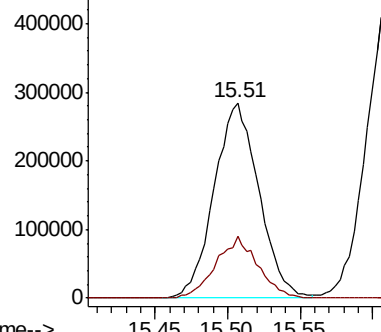
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 1.937 ppbv

RT: 15.89 min Scan# 4076

Delta R.T. 0.00 min

Lab File: VL034510.D

Acq: 30 Dec 2019 11:05

Tgt Ion: 105 Resp: 673611

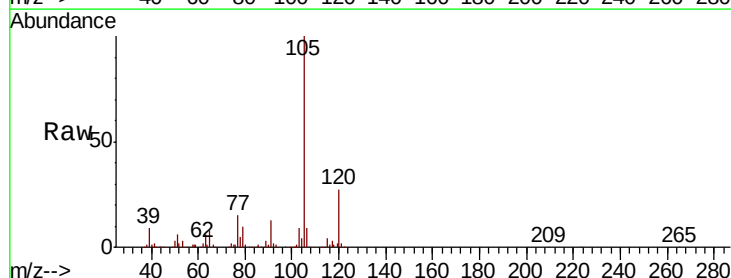
Ion Ratio Lower Upper

105 100

120 28.0 23.7 35.5

91 14.3 11.5 17.3

77 15.4 12.7 19.1

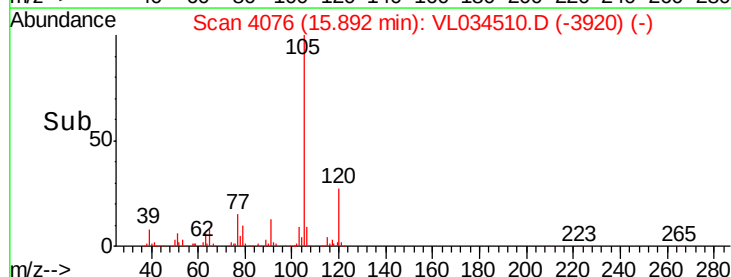
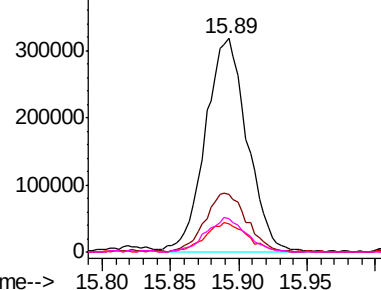


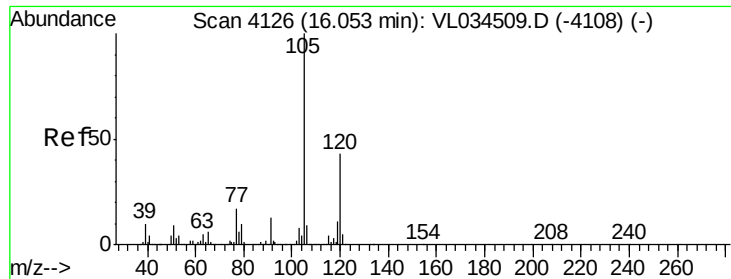
Abundance Ion 105.10 (104.80 to 105.80): V

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: 1.917 ppbv

RT: 16.05 min Scan# 4124

Delta R.T. -0.01 min

Lab File: VL034510.D

Acq: 30 Dec 2019 11:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion:105 Resp: 652429

Ion Ratio Lower Upper

105 100

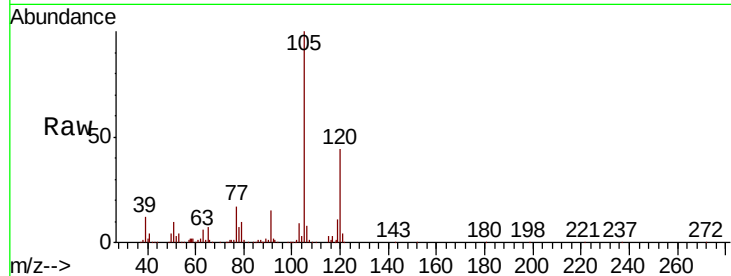
120 44.0 34.6 52.0

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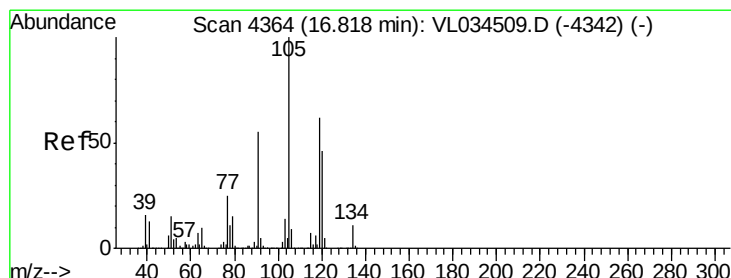
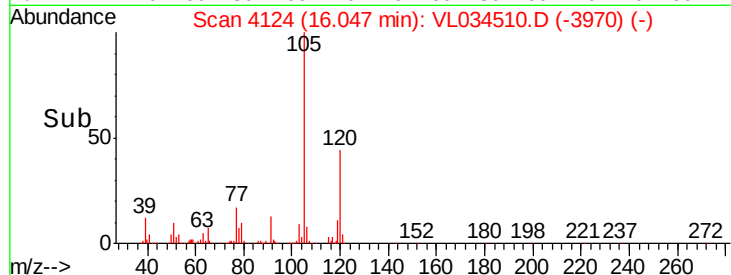
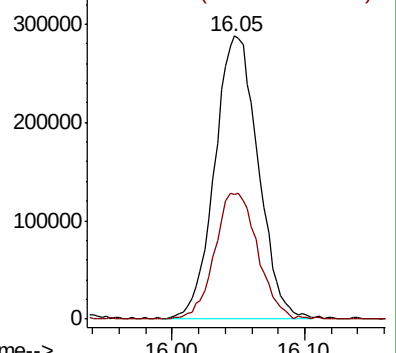
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 1.926 ppbv

RT: 16.82 min Scan# 4363

Delta R.T. -0.00 min

Lab File: VL034510.D

Acq: 30 Dec 2019 11:05

Tgt Ion:105 Resp: 696481

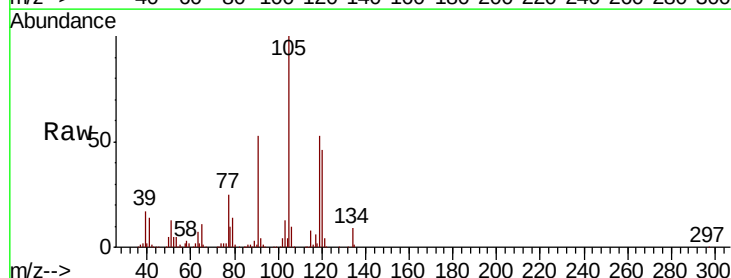
Ion Ratio Lower Upper

105 100

120 46.1 36.7 55.1

91 52.4 44.0 66.0

77 24.5 19.9 29.9

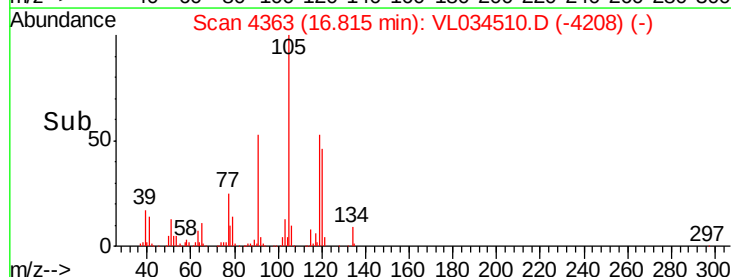
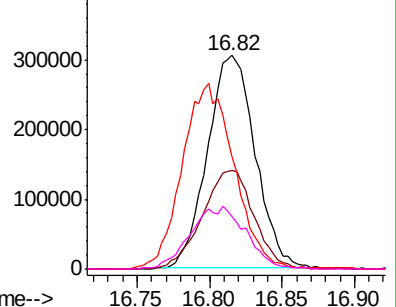


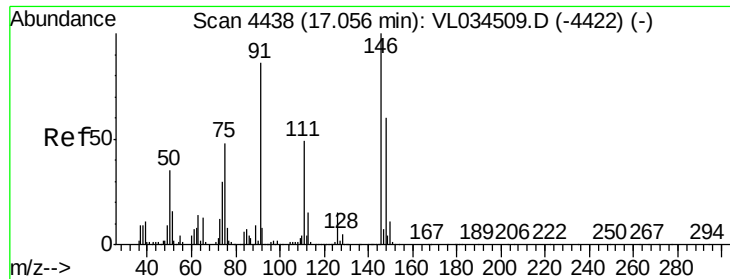
Abundance Ion 105.10 (104.80 to 105.80): V

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





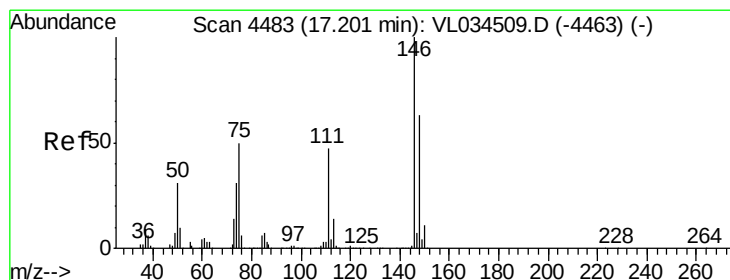
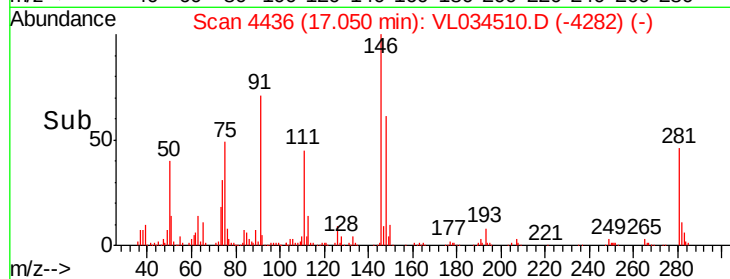
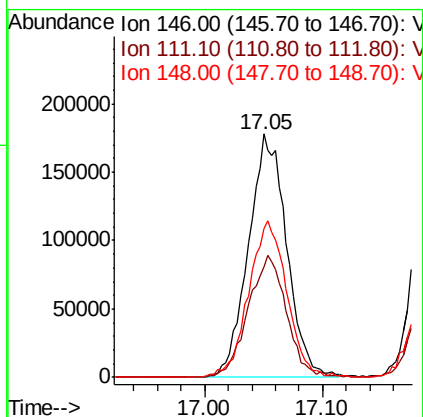
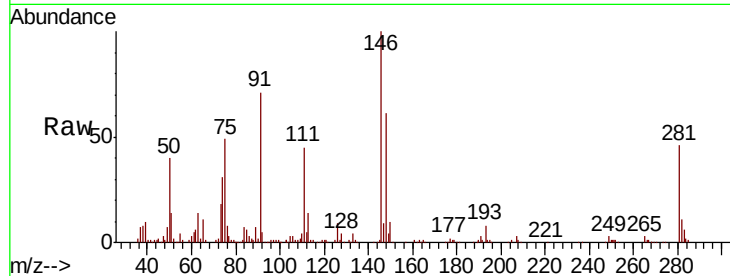
#75
 1,3-Dichlorobenzene
 Concen: 1.932 ppbv
 RT: 17.05 min Scan# 4436
 Delta R.T. -0.01 min
 Lab File: VL034510.D
 Acq: 30 Dec 2019 11:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
146	100		
111	50.3	25.1	75.3
148	64.4	33.0	99.0

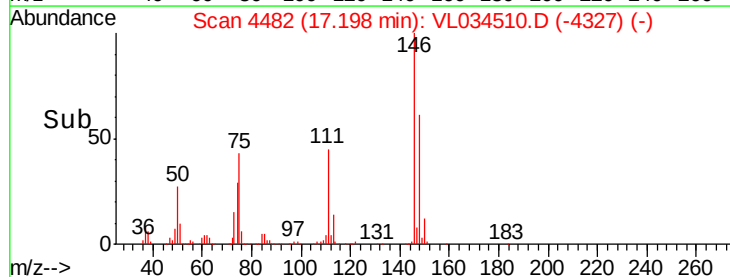
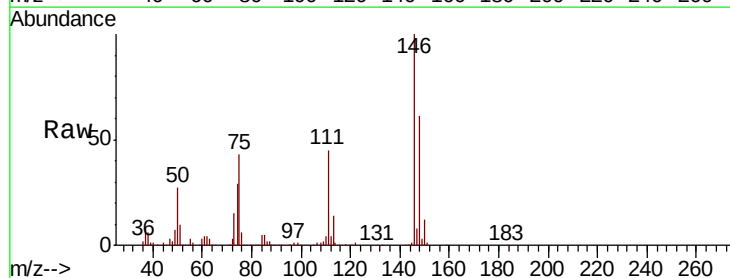
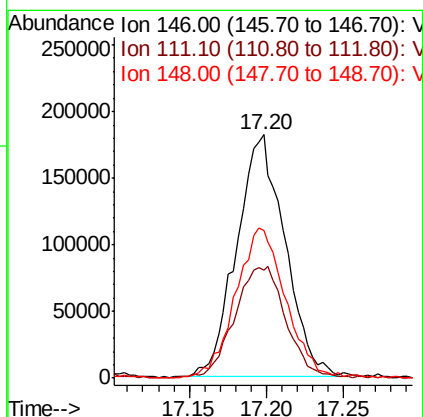
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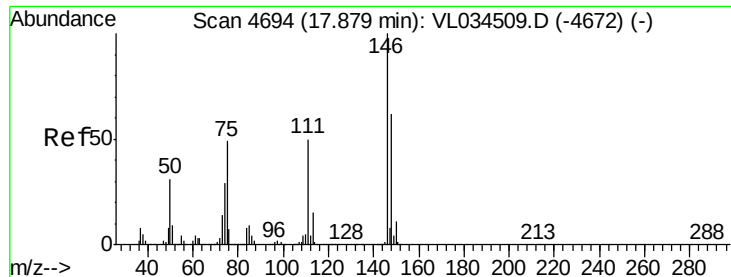
apatel
 1/2/2020 10:48:34 AM



#76
 1,4-Dichlorobenzene
 Concen: 1.935 ppbv
 RT: 17.20 min Scan# 4482
 Delta R.T. -0.00 min
 Lab File: VL034510.D
 Acq: 30 Dec 2019 11:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	49.6	23.5	70.6
148	65.2	32.1	96.3





#77

1,2-Dichlorobenzene

Concen: 1.952 ppbv

RT: 17.87 min Scan# 4692

Delta R.T. -0.01 min

Lab File: VL034510.D

Acq: 30 Dec 2019 11:05

Instrument :

MSVOA_L

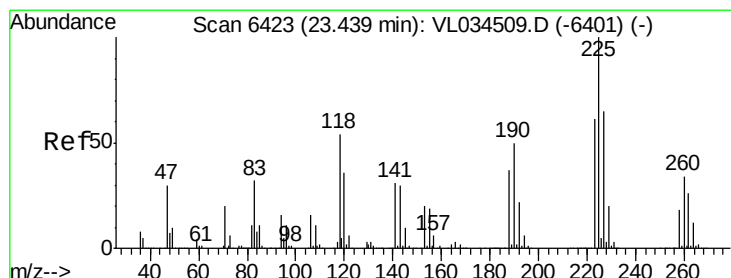
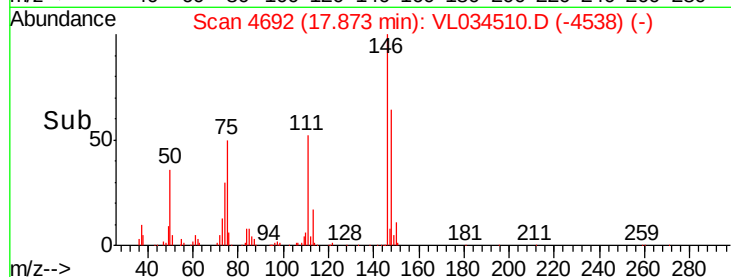
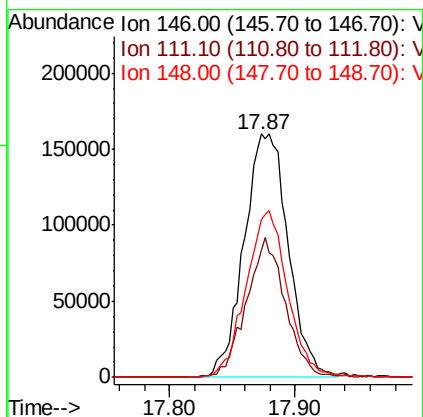
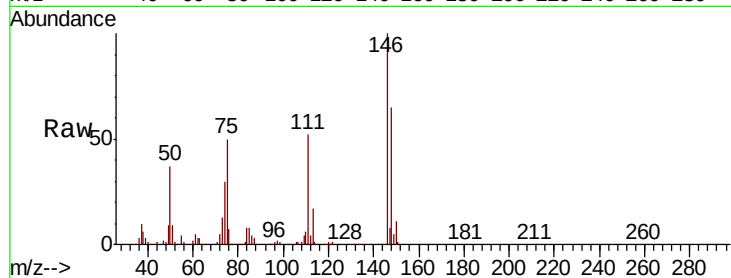
ClientSampled :

VSTDIC002

Tot Ion:	146	Resp:	391770
Ion Ratio	Lower	Upper	
146	100		
111	50.8	25.3	75.8
148	64.6	32.1	96.3

Manual Integrations
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#78

Hexachloro-1,3-Butadiene

Concen: 2.177 ppbv m

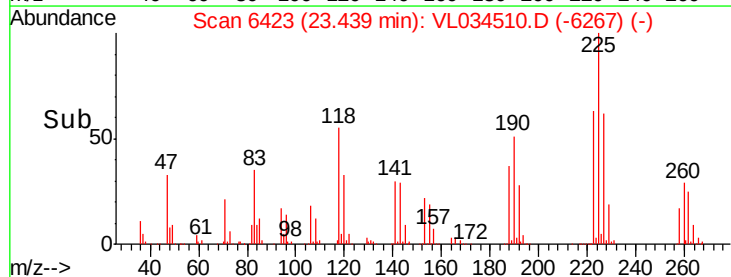
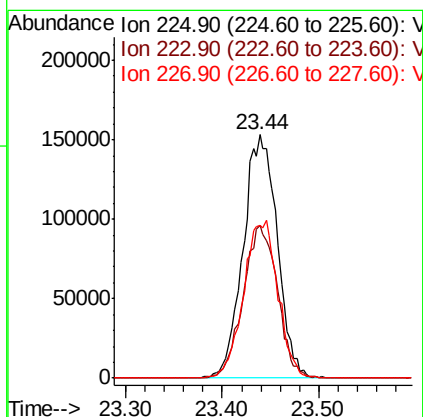
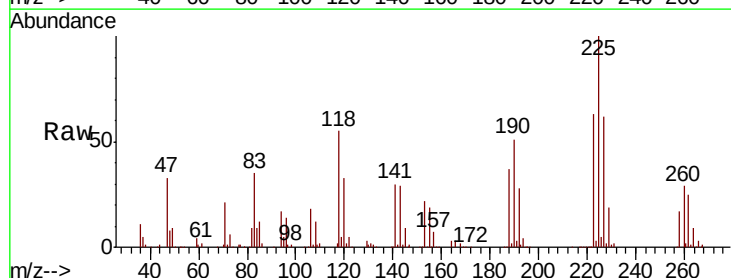
RT: 23.44 min Scan# 6423

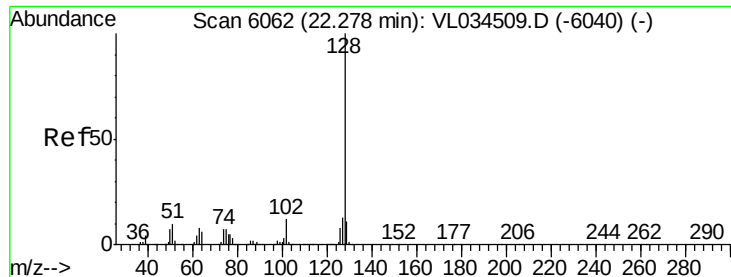
Delta R.T. 0.00 min

Lab File: VL034510.D

Acq: 30 Dec 2019 11:05

Tgt Ion:	225	Resp:	375483
Ion Ratio	Lower	Upper	
225	100		
223	0.0	51.0	76.6#
227	0.0	51.8	77.6#





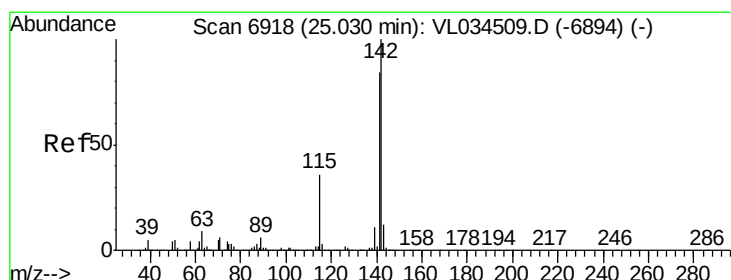
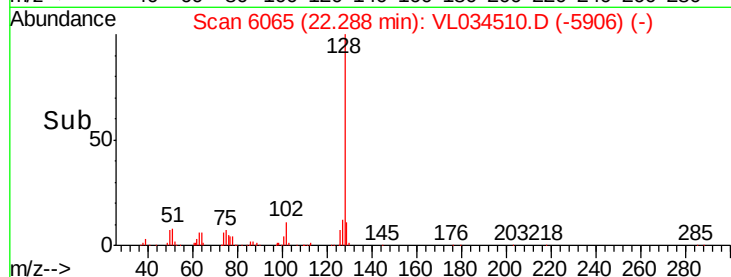
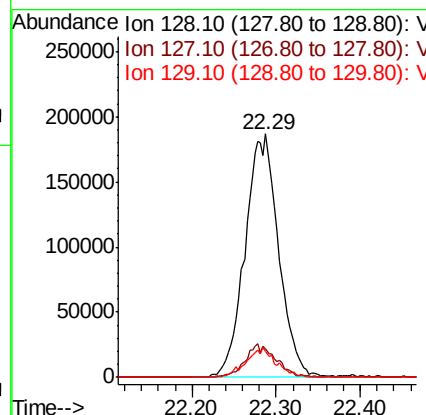
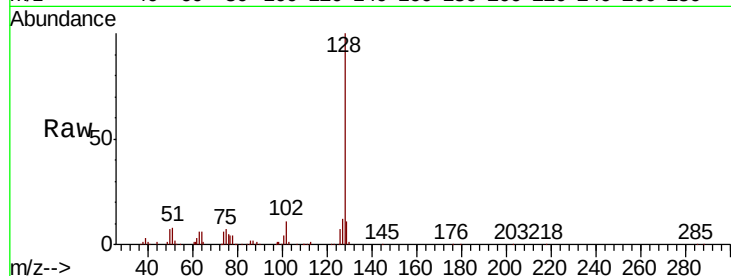
#79
Naphthalene
Concen: 1.645 ppbv m
RT: 22.29 min Scan# 6065
Delta R.T. 0.01 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.6	10.6	15.8
129	10.7	8.7	13.1

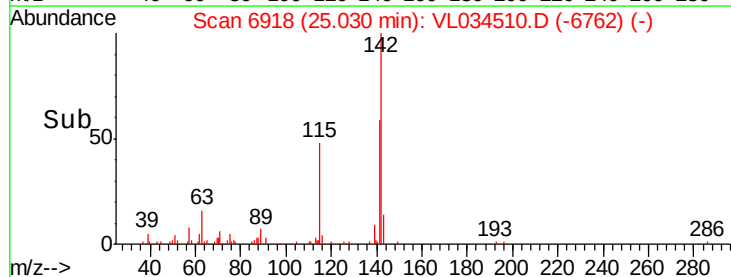
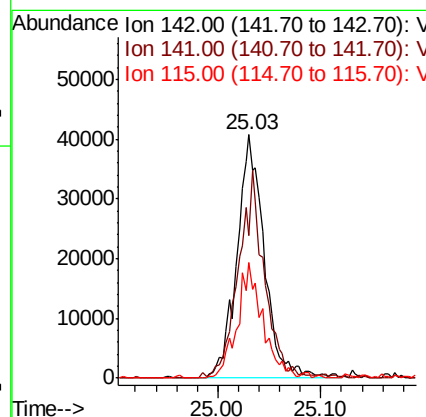
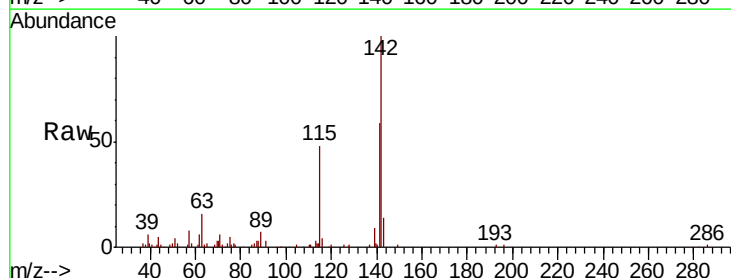
Manual Integrations
APPROVED

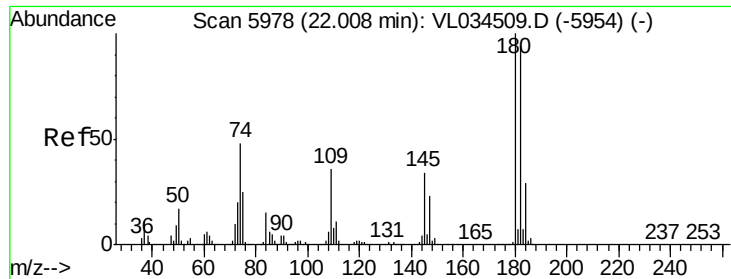
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#80
Naphthalene, 2-methyl-
Concen: 0.532 ppbv
RT: 25.03 min Scan# 6918
Delta R.T. 0.00 min
Lab File: VL034510.D
Acq: 30 Dec 2019 11:05

Tgt Ion	Ratio	Lower	Upper
142	100		
141	81.7	65.8	98.8
115	44.9	30.4	45.6





#81
 1,2,4-Trichlorobenzene
 Concen: 1.727 ppbv
 RT: 22.01 min Scan# 5978
 Delta R.T. 0.00 min
 Lab File: VL034510.D
 Acq: 30 Dec 2019 11:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Resp	Lower	Upper
180	100	332575		
182	98.4		77.8	116.8
184	31.1		25.2	37.8

Manual Integrations
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