

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL123019\
 Data File : VL034516.D
 Acq On : 30 Dec 2019 16:18
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICSVVL123019

Manual Integrations
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 1/2/2020 10:49:02 AM

Quant Time: Dec 31 05:23:30 2019

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 31 2019

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	1103453	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	2284904	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.13	117	2339197	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.47	95	1863923	9.55	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.50%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.02	85	1269840	7.297	ppbv 98
3) Chlorodifluoromethane	2.95	51	1182696	8.996	ppbv 99
4) Chloromethane	3.11	50	721797	9.243	ppbv 97
5) Vinyl Chloride	3.22	62	669610	8.756	ppbv 99
6) Bromomethane	3.45	94	363935	9.561	ppbv 95
7) Chloroethane	3.53	64	253792	9.524	ppbv 97
8) Dichlorotetrafluoroethane	3.16	85	1529040	8.761	ppbv 99
9) Propene	2.98	41	540141	10.656	ppbv 100
10) Heptane	8.15	43	1346847	10.289	ppbv 100
11) Trichlorofluoromethane	3.93	101	1779299	8.836	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1179946	9.212	ppbv 100
13) Ethanol	3.58	45	127560	9.070	ppbv 99
14) Bromoethene	3.72	108	505109	9.750	ppbv 99
15) Acetone	3.83	43	1266648	7.865	ppbv 98
16) 1,3-Butadiene	3.30	39	616851	9.959	ppbv 99
17) tert-Butyl alcohol	4.28	59	1301361	10.092	ppbv 100
18) 1,1-Dichloroethene	4.27	96	535858	9.604	ppbv 94
19) Isopropyl Alcohol	3.95	45	1032103	9.900	ppbv 99
20) Methylene Chloride	4.33	84	473705	7.476	ppbv 94
21) Allyl Chloride	4.40	41	891629	9.633	ppbv 99
22) trans-1,2-Dichloroethene	4.88	96	543950	9.585	ppbv 95
23) Vinyl Acetate	5.07	43	1909460	10.270	ppbv 99
24) 1,1-Dichloroethane	5.01	63	1396095	9.347	ppbv 99
25) Ethyl Acetate	5.68	43	2427902	9.654	ppbv 100
26) Hexane	5.69	57	1047711	9.887	ppbv 98
27) Carbon Disulfide	4.54	76	1373080	10.251	ppbv 99
28) Methyl tert-Butyl Ether	5.02	73	1876172	10.600	ppbv 100
29) Chloroform	5.76	83	1711317	9.333	ppbv 99
30) Cyclohexane	7.15	84	845812	10.738	ppbv 99
31) cis-1,2-Dichloroethene	5.55	61	1149144	10.641	ppbv 98
32) 1,1,1-Trichloroethane	6.52	97	1757193	9.232	ppbv 99
34) 2-Butanone	5.24	43	1614180	9.886	ppbv 99
35) Carbon Tetrachloride	7.03	117	1829981	8.831	ppbv 98
36) Benzene	6.91	78	2015474	10.119	ppbv 98
37) 1,2-Dichloroethane	6.32	62	1449092	8.959	ppbv 99
38) Trichloroethene	7.86	130	808331	10.047	ppbv 98
39) 1,2-Dichloropropane	7.64	63	818621	9.995	ppbv 99
40) 1,4-Dioxane	7.85	88	341391	10.299	ppbv # 93
41) Tetrahydrofuran	6.05	42	924019	11.032	ppbv 99
42) Bromodichloromethane	7.82	83	1900994	9.552	ppbv 95
43) Methyl Methacrylate	8.04	69	855382	10.528	ppbv 100

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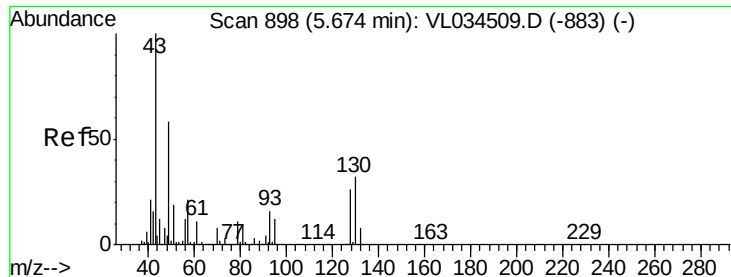
Manual Integrations
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 1/2/2020 10:49:02 AM

Quant Time: Dec 31 05:23:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL123019AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 31 2019
 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	3515721	9.542	ppbv	99
45) t-1,3-Dichloropropene	9.31	75	1192192	11.391	ppbv	95
46) cis-1,3-Dichloropropene	8.73	75	1320151	11.035	ppbv	97
47) 1,1,2-Trichloroethane	9.51	97	853735	9.456	ppbv	99
48) Dibromochloromethane	10.35	129	1579656	10.093	ppbv	99
49) Bromoform	13.10	173	1393086	9.832	ppbv	100
50) 4-Methyl-2-Pentanone	8.77	43	2335998	9.855	ppbv	99
51) 2-Hexanone	10.16	43	1940793	10.143	ppbv	99
52) Tetrachloroethene	11.26	164	756673	9.735	ppbv	96
53) Toluene	9.84	91	2313552	10.573	ppbv	100
54) 1,2-Dibromoethane	10.65	107	1295450	9.860	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.17	131	1025802	9.084	ppbv #	62
57) Chlorobenzene	12.19	112	1760133	9.120	ppbv	99
58) Ethyl Benzene	12.76	91	3136509	9.942	ppbv	100
59) m/p-Xylene	13.04	91	5168068m	18.734	ppbv	
60) o-Xylene	13.74	91	2594566	9.373	ppbv	99
61) Styrene	13.58	104	1937854	10.239	ppbv	99
62) Isopropylbenzene	14.72	105	3388801	9.359	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.73	83	1802758	8.118	ppbv	100
64) n-propylbenzene	15.62	120	879881	9.516	ppbv	98
65) tert-Butylbenzene	16.80	119	2975868	9.097	ppbv	100
66) Benzyl Chloride	17.05	91	1490280	10.394	ppbv	100
67) sec-Butylbenzene	17.35	105	4132643	8.995	ppbv	99
69) p-Isopropyltoluene	17.71	119	3467424	9.306	ppbv	99
70) n-Butylbenzene	18.61	91	3635619	9.043	ppbv	99
71) 2-Chlorotoluene	15.51	91	2645818	9.409	ppbv	100
72) 4-Ethyltoluene	15.90	105	2953841	9.536	ppbv	100
73) 1,3,5-Trimethylbenzene	16.05	105	2849773	9.377	ppbv	96
74) 1,2,4-Trimethylbenzene	16.82	105	2918000	8.976	ppbv #	90
75) 1,3-Dichlorobenzene	17.06	146	1655135	8.500	ppbv	98
76) 1,4-Dichlorobenzene	17.20	146	1678633	8.954	ppbv	99
77) 1,2-Dichlorobenzene	17.88	146	1608078	8.788	ppbv	99
78) Hexachloro-1,3-Butadiene	23.44	225	1534191	8.832	ppbv	99
79) Naphthalene	22.28	128	2754944	11.251	ppbv	98
80) Naphthalene, 2-methyl-	25.03	142	1530233	22.559	ppbv #	94
81) 1,2,4-Trichlorobenzene	22.01	180	1639732	10.284	ppbv	99

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



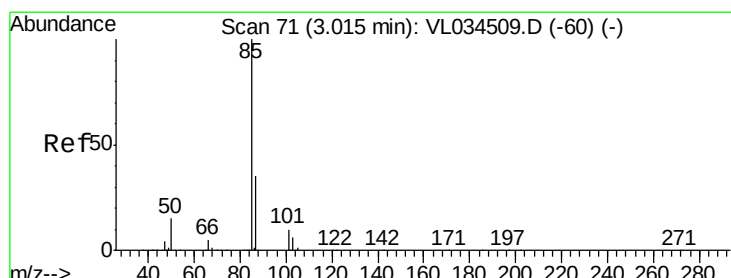
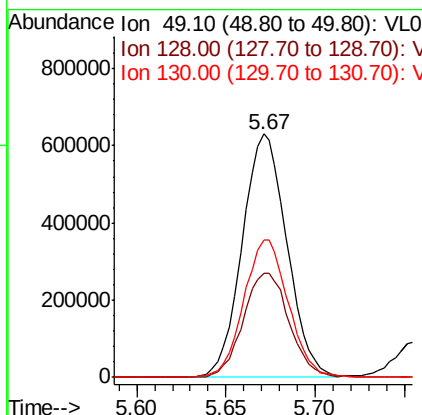
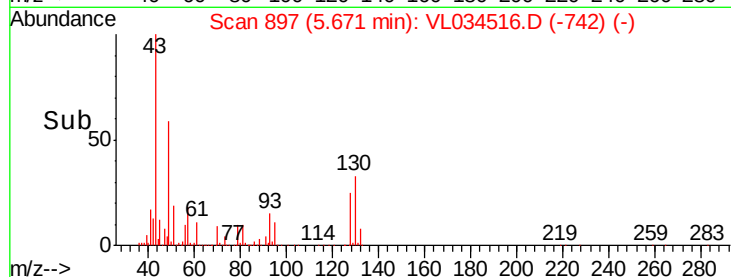
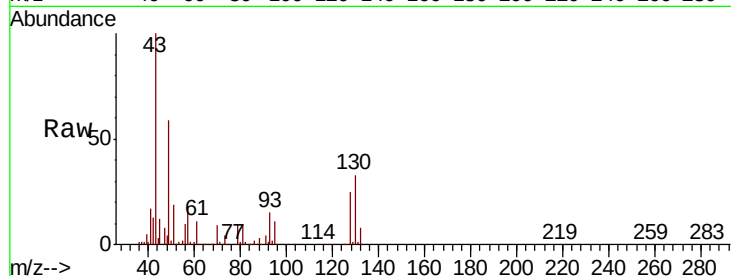
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.00 min
Lab File: VL034516.D
Acq: 30 Dec 2019 16:18

Instrument :
MSVOA_L
ClientSampleId :
ICVVL123019

Tot Ion: 49 Resp: 1103453
Ion Ratio Lower Upper
49 100
128 44.0 22.4 67.2
130 56.3 28.3 85.0

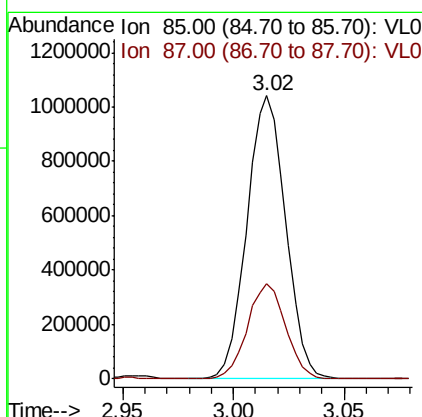
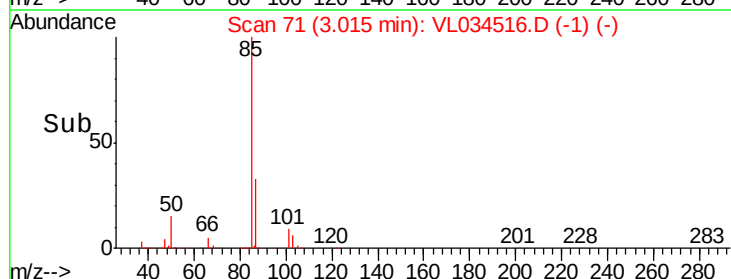
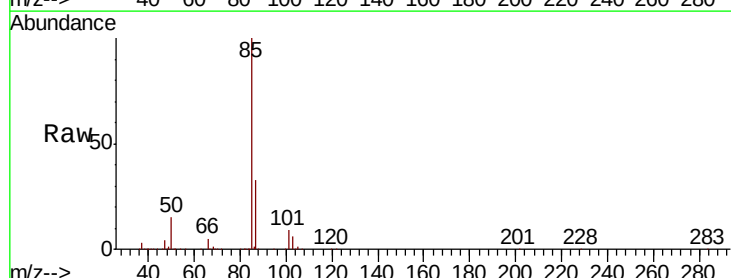
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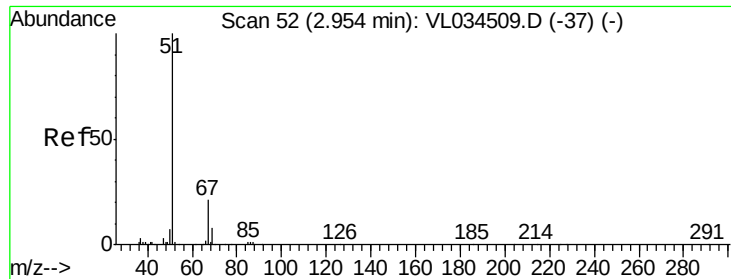
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#2
Dichlorodifluoromethane
Concen: 7.297 ppbv
RT: 3.02 min Scan# 71
Delta R.T. 0.00 min
Lab File: VL034516.D
Acq: 30 Dec 2019 16:18

Tgt Ion: 85 Resp: 1269840
Ion Ratio Lower Upper
85 100
87 33.5 27.9 41.9





#3

Chlorodifluoromethane

Concen: 8.996 ppbv

RT: 2.95 min Scan# 52

Delta R.T. 0.00 min

Lab File: VL034516.D

Acq: 30 Dec 2019 16:18

Instrument :

MSVOA_L

ClientSampleId :

ICVVL123019

Tot Ion: 51 Resp: 1182696

Ion Ratio Lower Upper

51 100

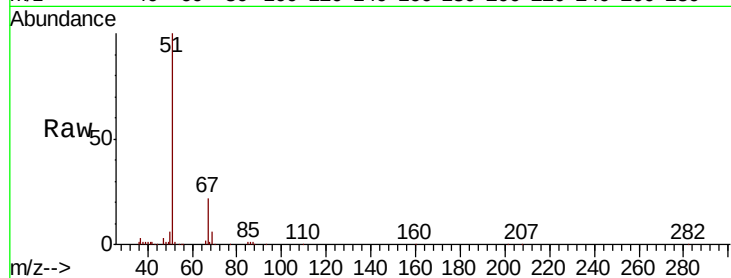
67 20.4 16.8 25.2

Manual Integrations

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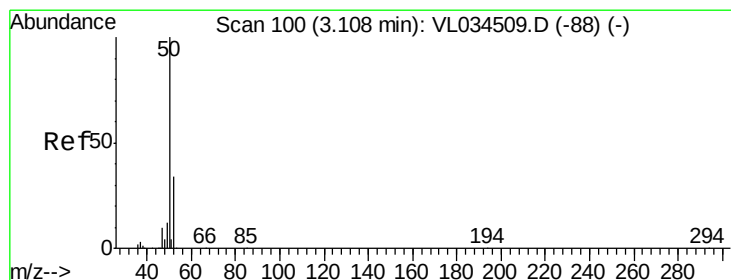
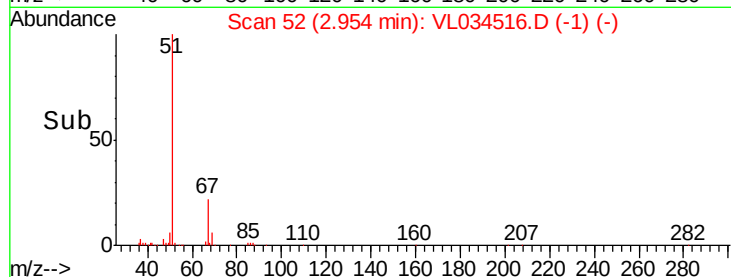
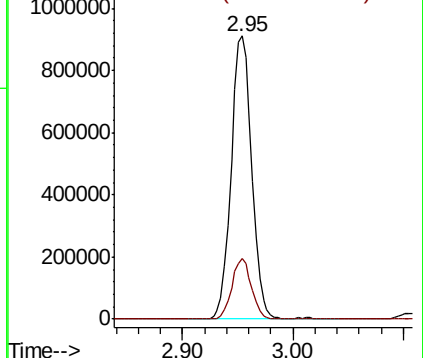
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.243 ppbv

RT: 3.11 min Scan# 99

Delta R.T. -0.00 min

Lab File: VL034516.D

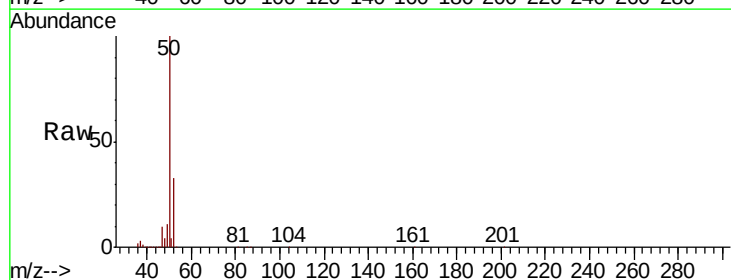
Acq: 30 Dec 2019 16:18

Tgt Ion: 50 Resp: 721797

Ion Ratio Lower Upper

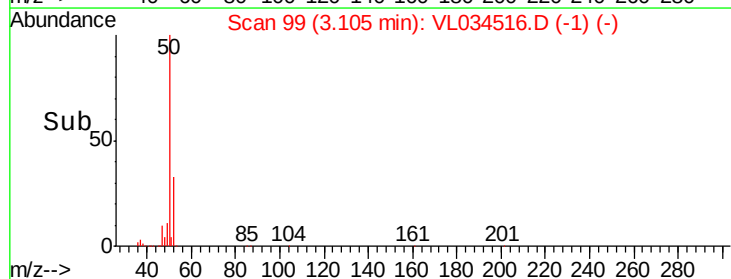
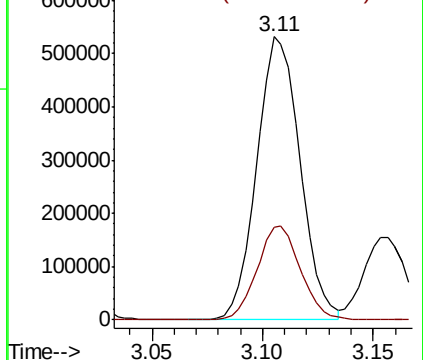
50 100

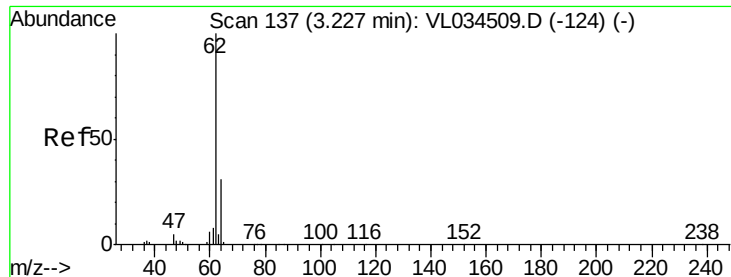
52 32.9 27.6 41.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.756 ppbv

RT: 3.22 min Scan# 136

Delta R.T. -0.00 min

Lab File: VL034516.D

Acq: 30 Dec 2019 16:18

Instrument :

MSVOA_L

ClientSampleId :

ICVVL123019

Tot Ion: 62 Resp: 669610

Ion Ratio Lower Upper

62 100

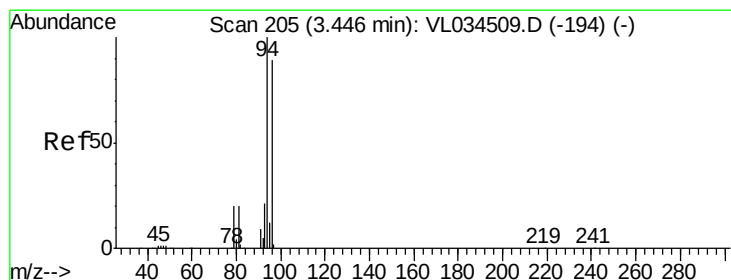
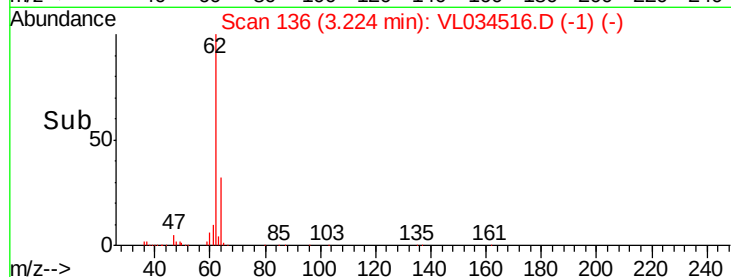
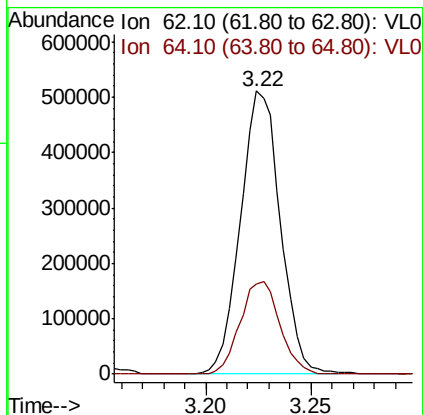
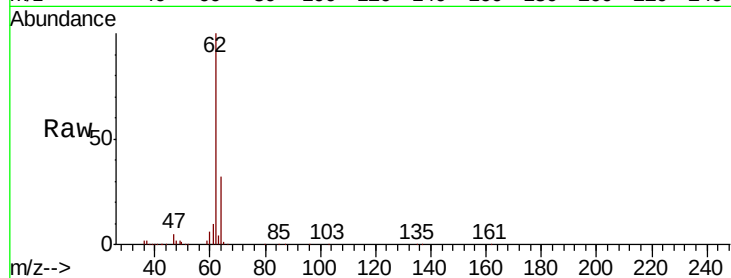
64 31.9 24.9 37.3

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#6

Bromomethane

Concen: 9.561 ppbv

RT: 3.45 min Scan# 205

Delta R.T. 0.00 min

Lab File: VL034516.D

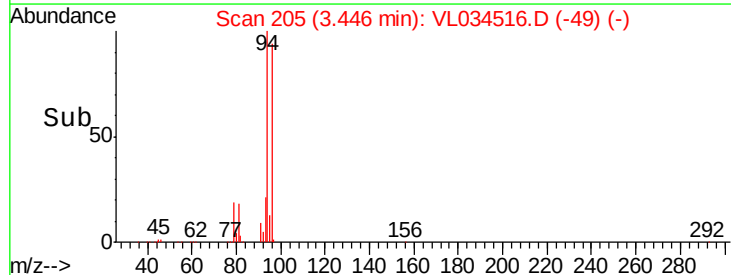
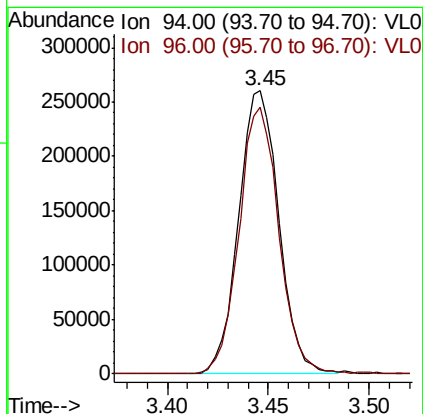
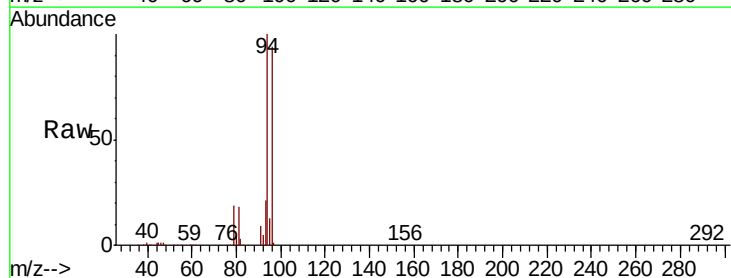
Acq: 30 Dec 2019 16:18

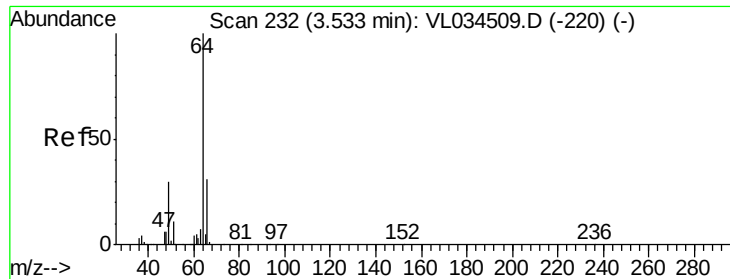
Tgt Ion: 94 Resp: 363935

Ion Ratio Lower Upper

94 100

96 94.0 71.2 106.8





#7

Chloroethane

Concen: 9.524 ppbv

RT: 3.53 min Scan# 231

Delta R.T. -0.00 min

Lab File: VL034516.D

Acq: 30 Dec 2019 16:18

Instrument :

MSVOA_L

ClientSampleId :

ICVVL123019

Tot Ion: 64 Resp: 253792

Ion Ratio Lower Upper

64 100

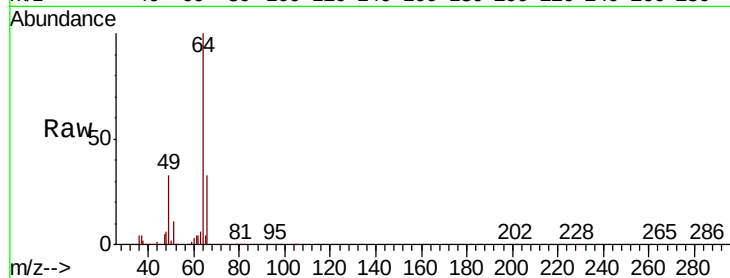
66 32.6 25.0 37.4

Manual Integrations

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

200000

150000

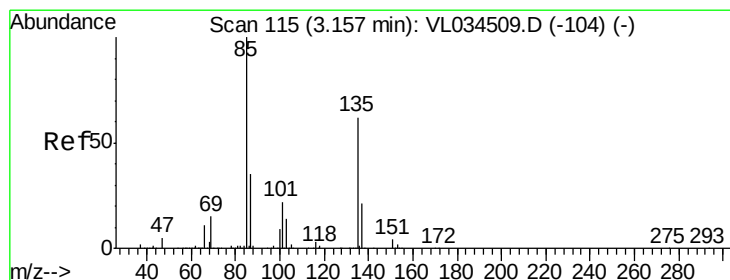
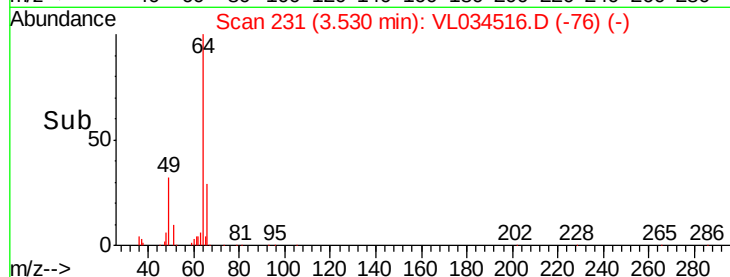
100000

50000

0

3.50 3.55

Time-->



#8

Dichlorotetrafluoroethane

Concen: 8.761 ppbv

RT: 3.16 min Scan# 115

Delta R.T. 0.00 min

Lab File: VL034516.D

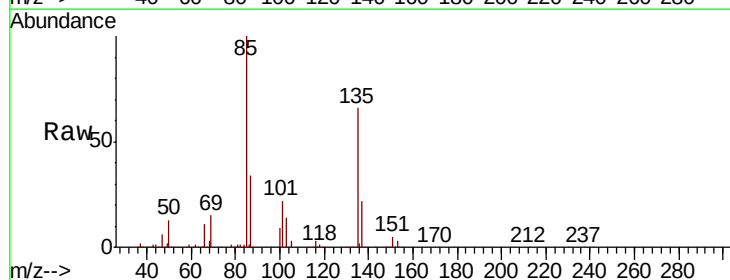
Acq: 30 Dec 2019 16:18

Tgt Ion: 85 Resp: 1529040

Ion Ratio Lower Upper

85 100

135 65.5 51.8 77.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

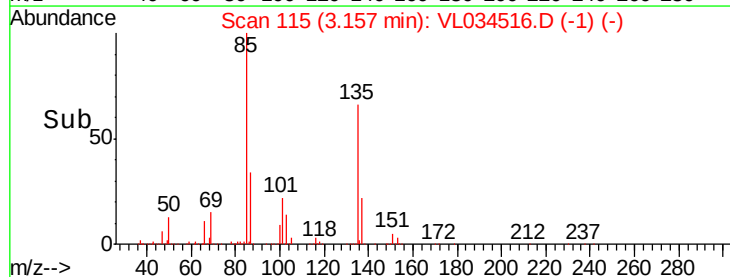
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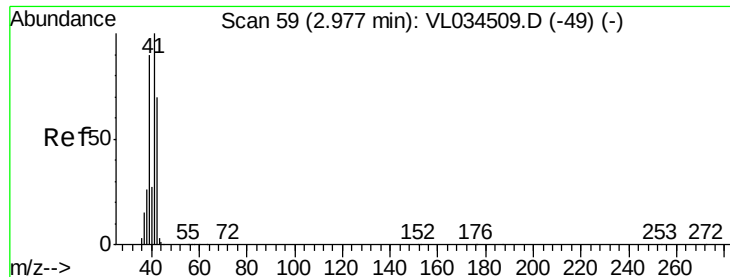
500000

0

3.10 3.15 3.20

Time-->





#9

Propene

Concen: 10.656 ppbv

RT: 2.98 min Scan# 59

Delta R.T. 0.00 min

Lab File: VL034516.D

Acq: 30 Dec 2019 16:18

Instrument :

MSVOA_L

ClientSampleId :

ICVVL123019

Tot Ion: 41 Resp: 540141

Ion Ratio Lower Upper

41 100

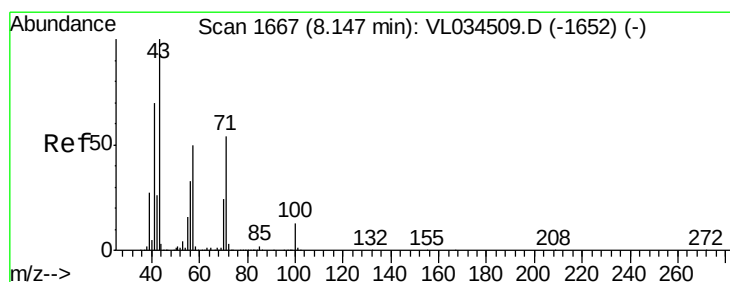
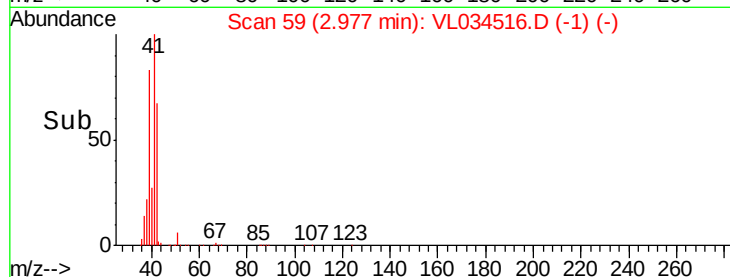
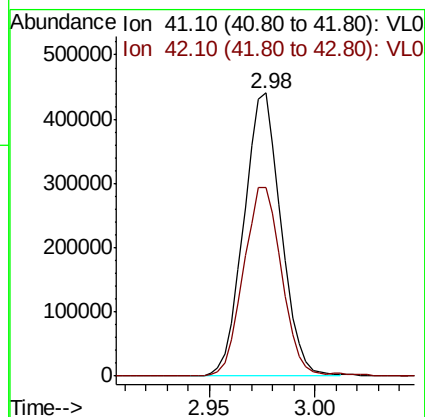
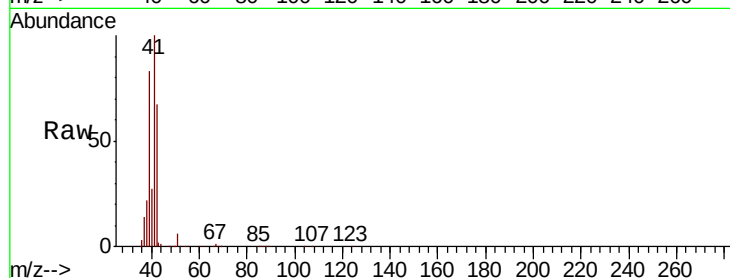
42 69.4 55.8 83.6

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#10

Heptane

Concen: 10.289 ppbv

RT: 8.15 min Scan# 1667

Delta R.T. 0.00 min

Lab File: VL034516.D

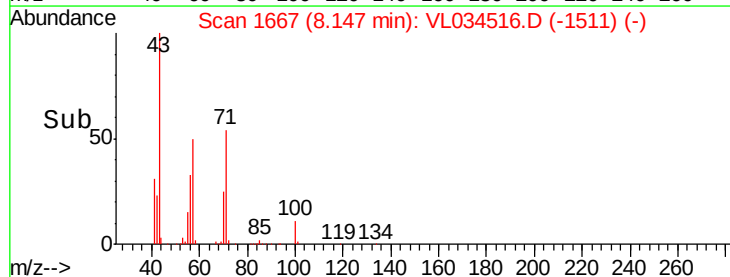
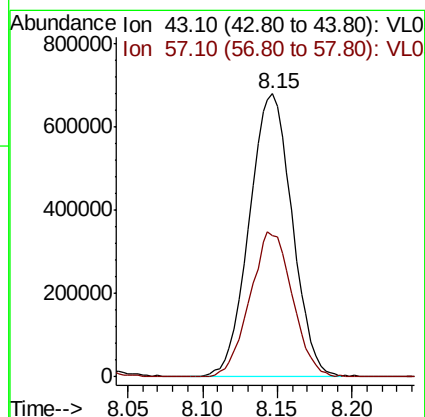
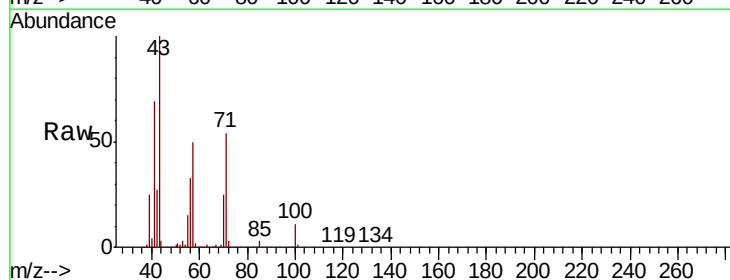
Acq: 30 Dec 2019 16:18

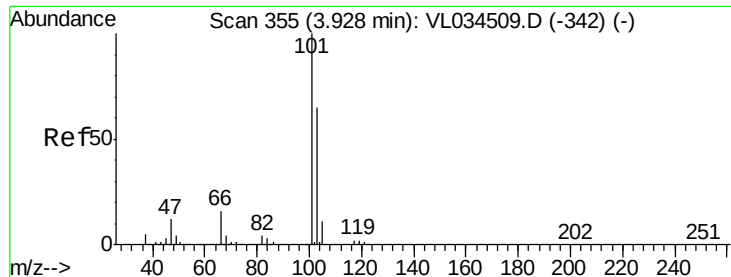
Tgt Ion: 43 Resp: 1346847

Ion Ratio Lower Upper

43 100

57 51.4 41.0 61.6





#11

Trichlorofluoromethane

Concen: 8.836 ppbv

RT: 3.93 min Scan# 355

Delta R.T. 0.00 min

Lab File: VL034516.D

Acq: 30 Dec 2019 16:18

Instrument :

MSVOA_L

ClientSampled :

ICVVL123019

Tot Ion:101 Resp: 1779299

Ion Ratio Lower Upper

101 100

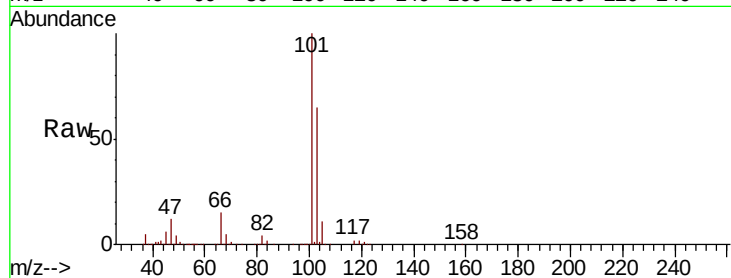
103 65.4 52.1 78.1

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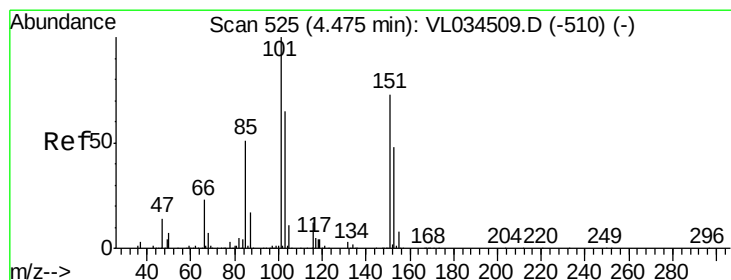
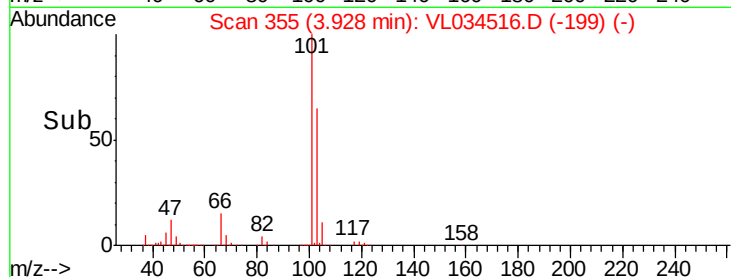
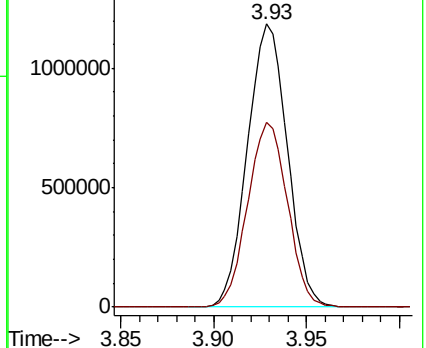
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.212 ppbv

RT: 4.47 min Scan# 524

Delta R.T. -0.00 min

Lab File: VL034516.D

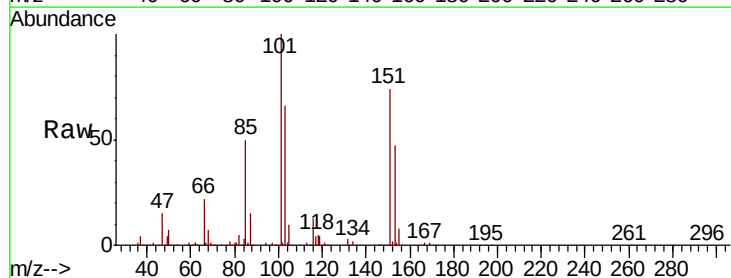
Acq: 30 Dec 2019 16:18

Tgt Ion:101 Resp: 1179946

Ion Ratio Lower Upper

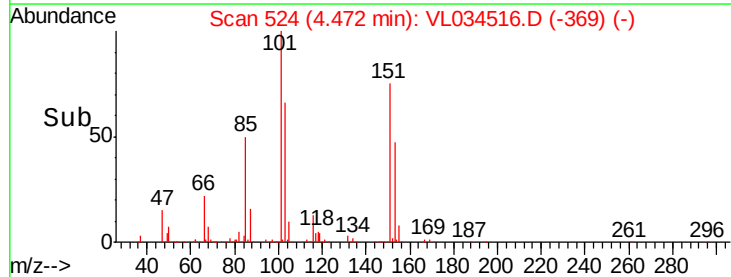
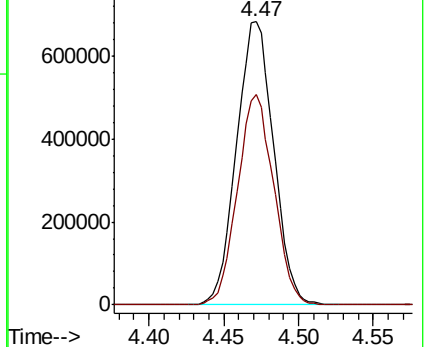
101 100

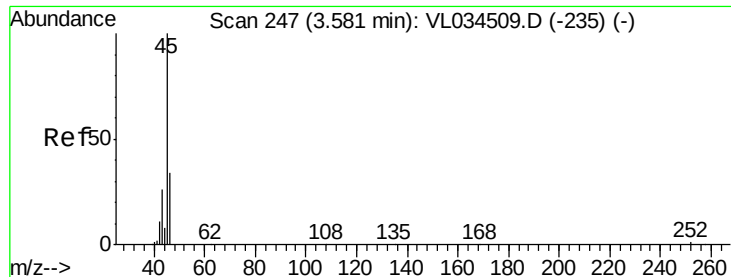
151 72.6 57.8 86.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





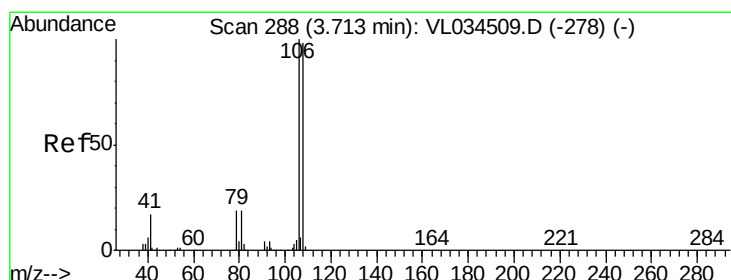
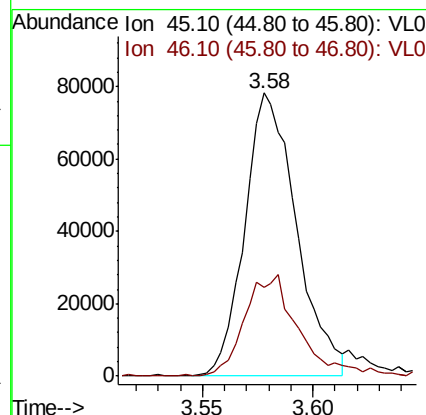
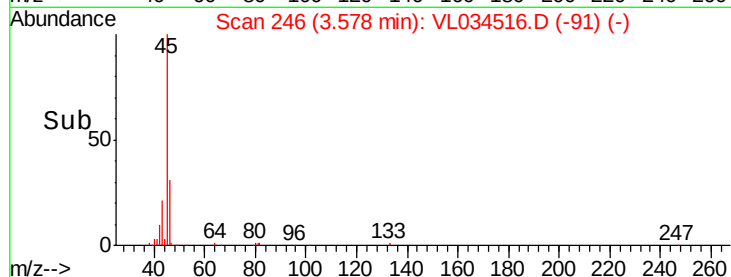
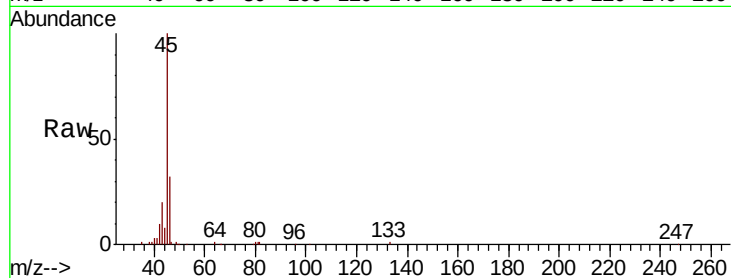
#13
Ethanol
Concen: 9.070 ppbv
RT: 3.58 min Scan# 246
Delta R.T. -0.00 min
Lab File: VL034516.D
Acq: 30 Dec 2019 16:18

Instrument :
MSVOA_L
ClientSampleId :
ICVVL123019

Tot Ion	Ratio	Lower	Upper
45	100		
46	38.1	14.9	59.7

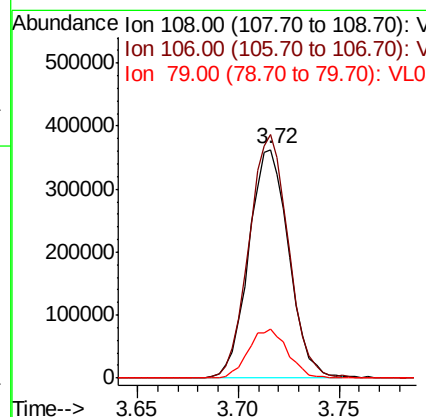
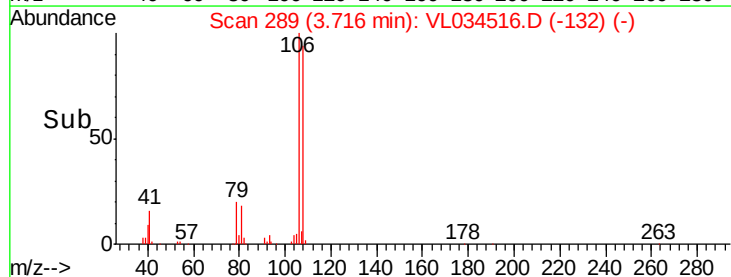
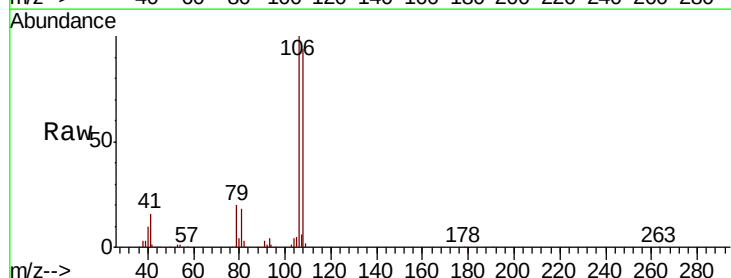
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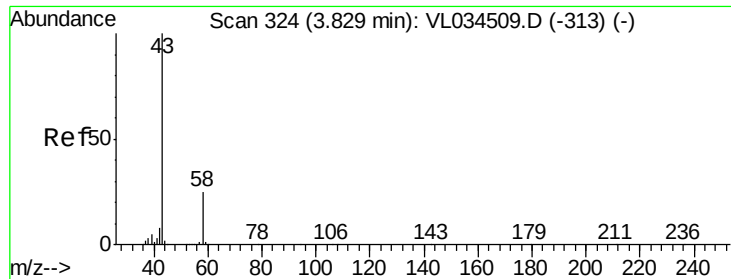
apatel
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#14
Bromoethene
Concen: 9.750 ppbv
RT: 3.72 min Scan# 289
Delta R.T. 0.00 min
Lab File: VL034516.D
Acq: 30 Dec 2019 16:18

Tgt Ion	Ratio	Lower	Upper
108	100		
106	105.5	85.2	127.8
79	21.5	17.4	26.2





#15

Acetone

Concen: 7.865 ppbv

RT: 3.83 min Scan# 324

Delta R.T. 0.00 min

Lab File: VL034516.D

Acq: 30 Dec 2019 16:18

Instrument :

MSVOA_L

ClientSampleId :

ICVVL123019

Tot Ion: 43 Resp: 1266648

Ion Ratio Lower Upper

43 100

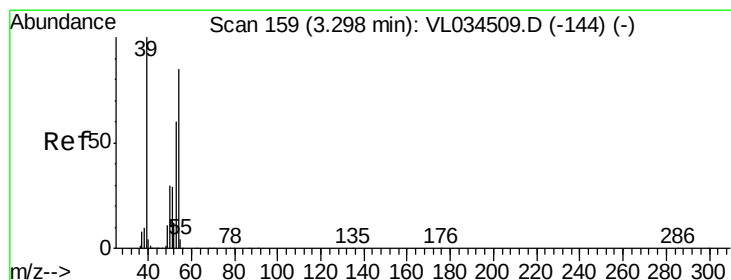
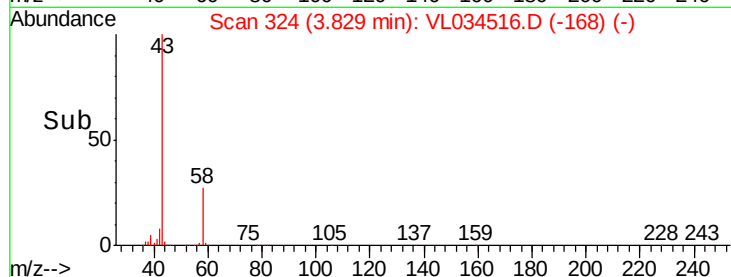
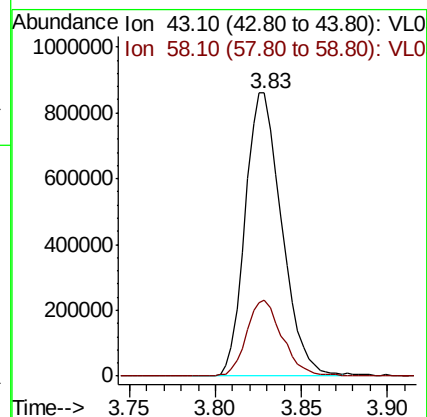
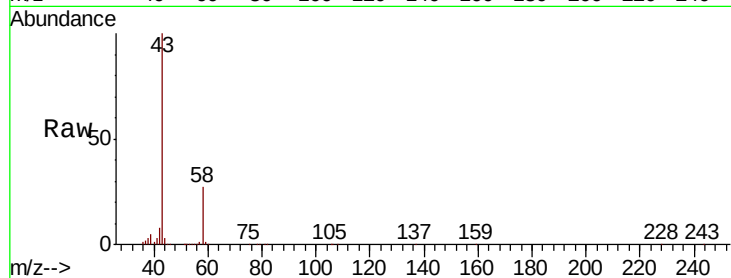
58 26.4 20.4 30.6

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#16

1,3-Butadiene

Concen: 9.959 ppbv

RT: 3.30 min Scan# 159

Delta R.T. 0.00 min

Lab File: VL034516.D

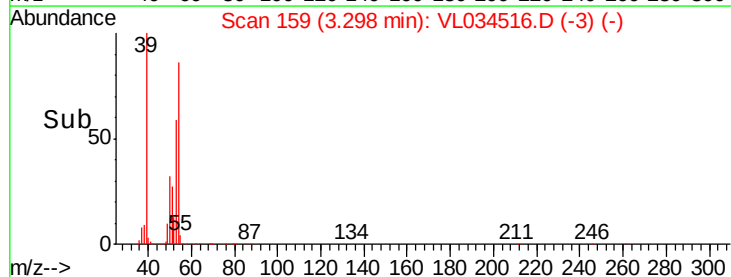
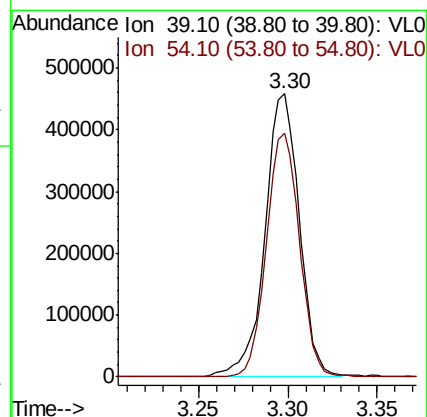
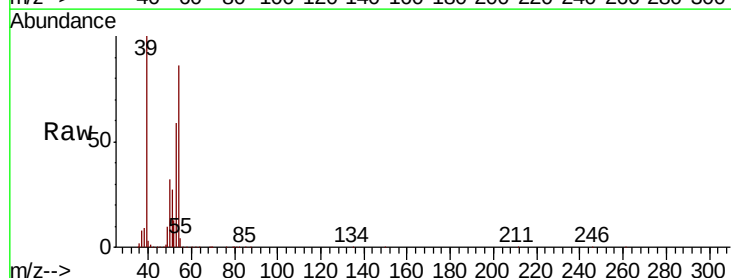
Acq: 30 Dec 2019 16:18

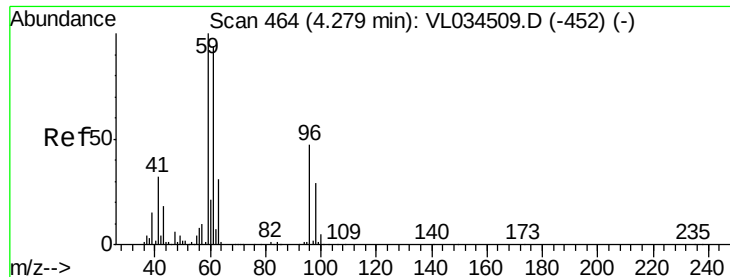
Tgt Ion: 39 Resp: 616851

Ion Ratio Lower Upper

39 100

54 83.3 66.2 99.2





#17

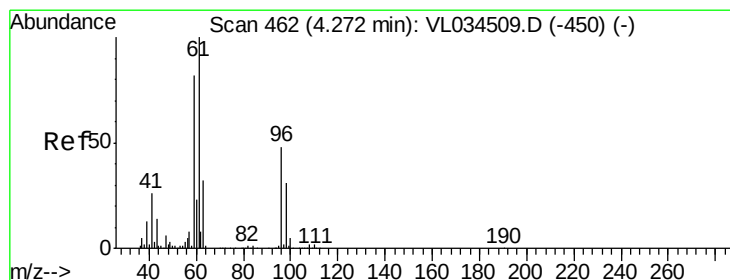
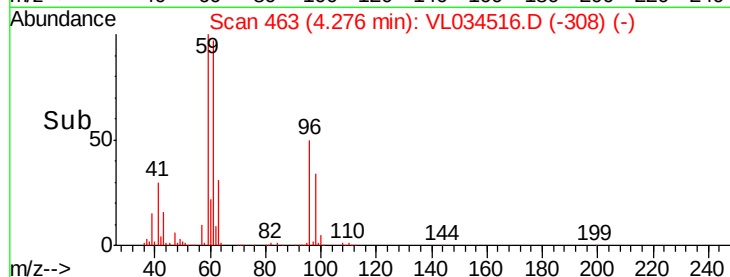
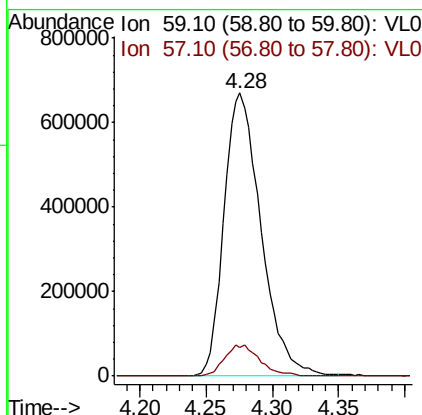
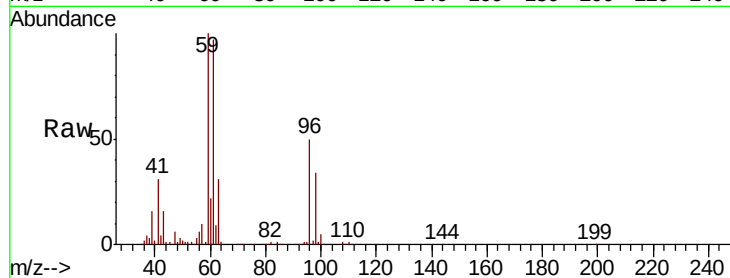
tert-Butyl alcohol
Concen: 10.092 ppbv
RT: 4.28 min Scan# 463
Delta R.T. -0.00 min
Lab File: VL034516.D
Acq: 30 Dec 2019 16:18

Instrument :
MSVOA_L
ClientSampleId :
ICVVL123019

Tot Ion: 59 Resp: 1301361
Ion Ratio Lower Upper
59 100
57 10.6 8.6 12.8

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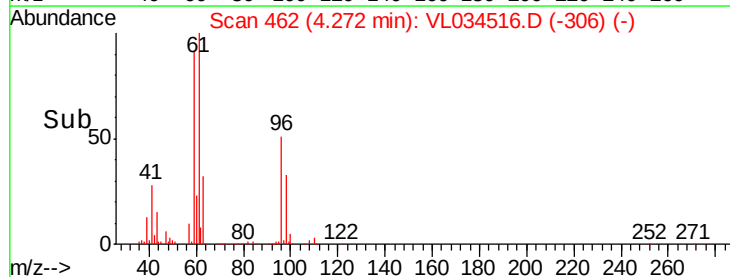
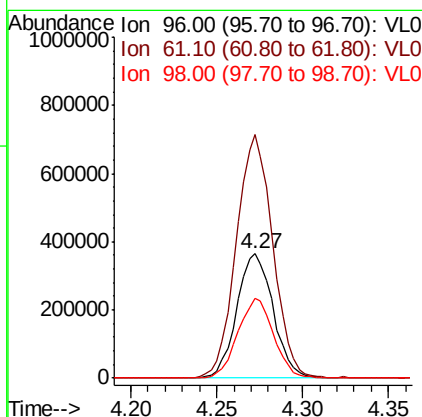
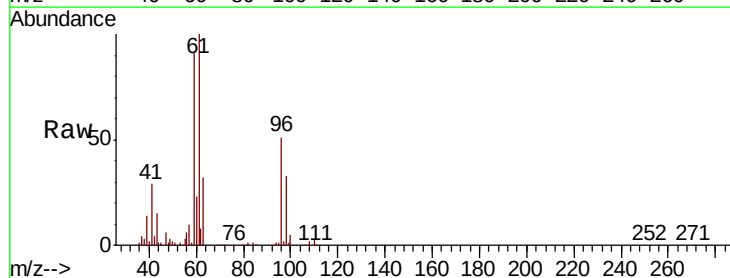
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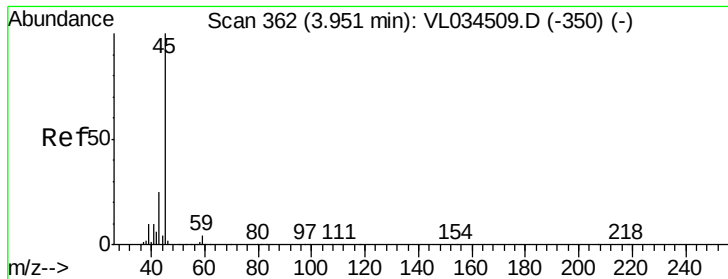


#18

1,1-Dichloroethene
Concen: 9.604 ppbv
RT: 4.27 min Scan# 462
Delta R.T. 0.00 min
Lab File: VL034516.D
Acq: 30 Dec 2019 16:18

Tgt Ion: 96 Resp: 535858
Ion Ratio Lower Upper
96 100
61 196.0 165.9 248.9
98 64.5 51.9 77.9





#19

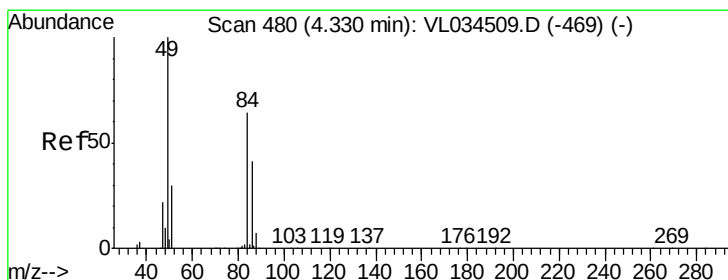
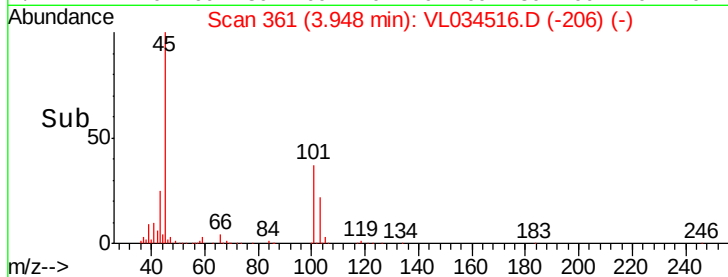
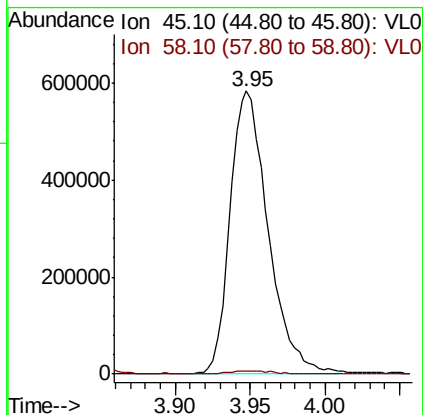
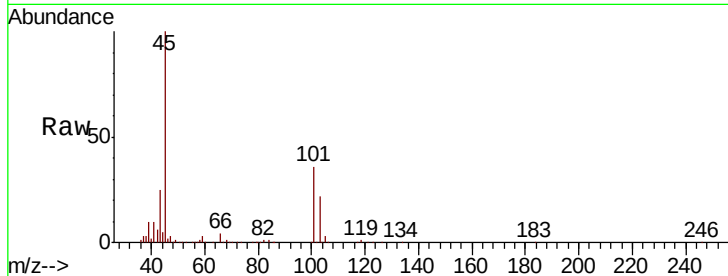
Isopropyl Alcohol
 Concen: 9.900 ppbv
 RT: 3.95 min Scan# 361
 Delta R.T. -0.00 min
 Lab File: VL034516.D
 Acq: 30 Dec 2019 16:18

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL123019

Tot Ion: 45 Resp: 1032103
 Ion Ratio Lower Upper
 45 100
 58 1.5 1.4 2.0

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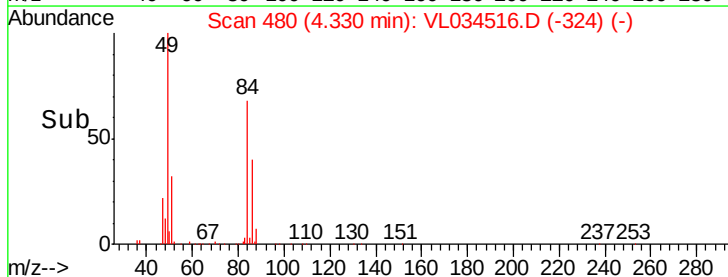
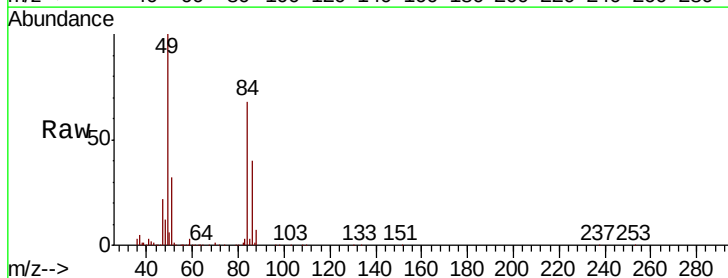
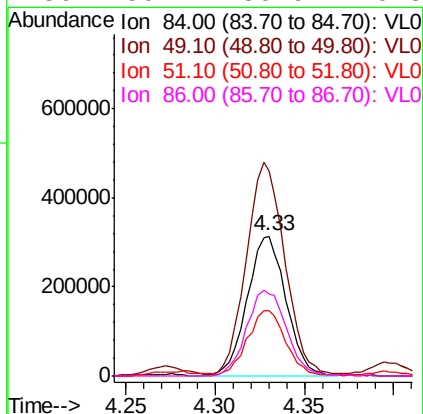
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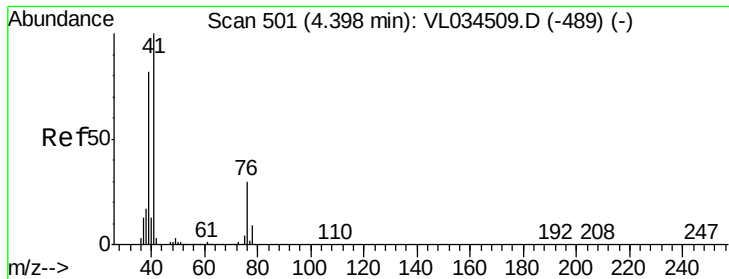


#20

Methylene Chloride
 Concen: 7.476 ppbv
 RT: 4.33 min Scan# 480
 Delta R.T. 0.00 min
 Lab File: VL034516.D
 Acq: 30 Dec 2019 16:18

Tgt Ion: 84 Resp: 473705
 Ion Ratio Lower Upper
 84 100
 49 146.0 124.4 186.6
 51 46.5 37.0 55.6
 86 59.1 50.9 76.3





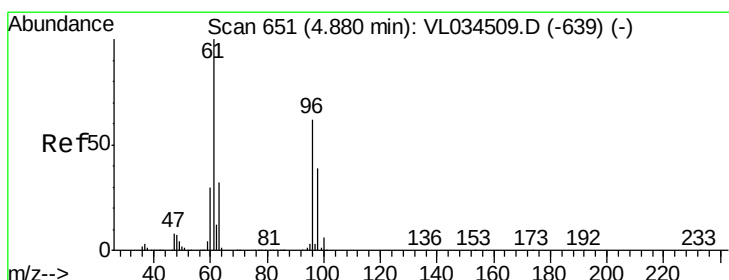
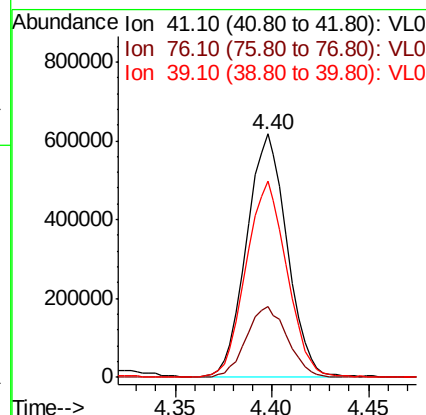
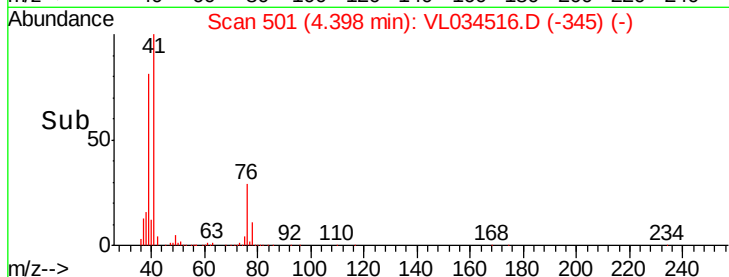
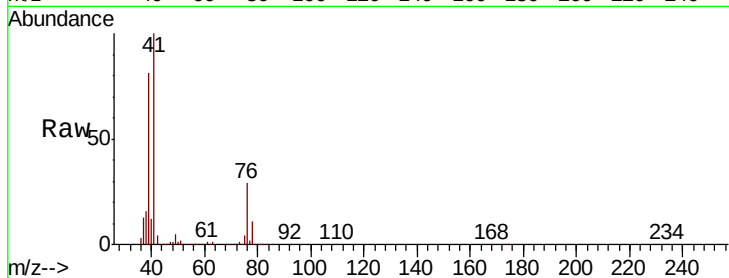
#21
Allvl Chloride
Concen: 9.633 ppbv
RT: 4.40 min Scan# 501
Delta R.T. 0.00 min
Lab File: VL034516.D
Acq: 30 Dec 2019 16:18

Instrument :
MSVOA_L
ClientSampleId :
ICVVL123019

Tot Ion:	41	Resp:	891629
Ion Ratio	Lower	Upper	
41	100		
76	29.9	24.2	36.4
39	82.9	65.8	98.6

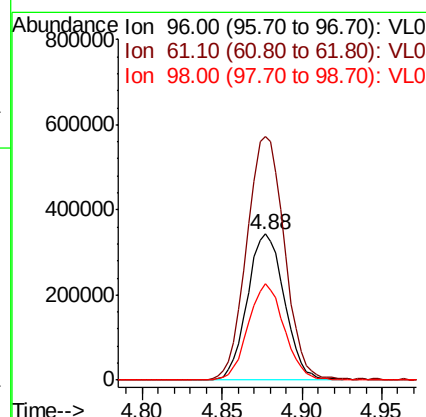
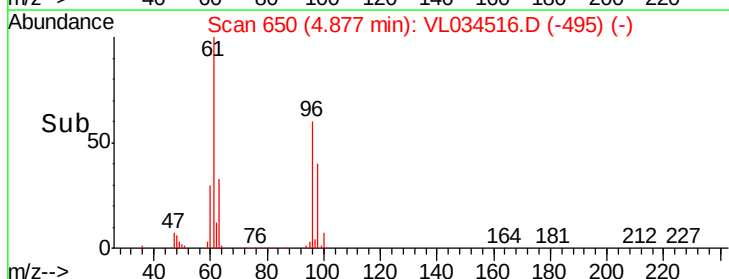
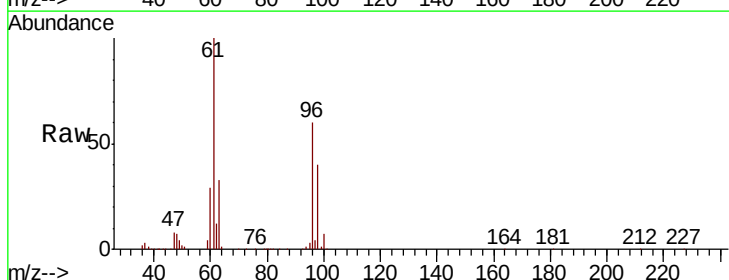
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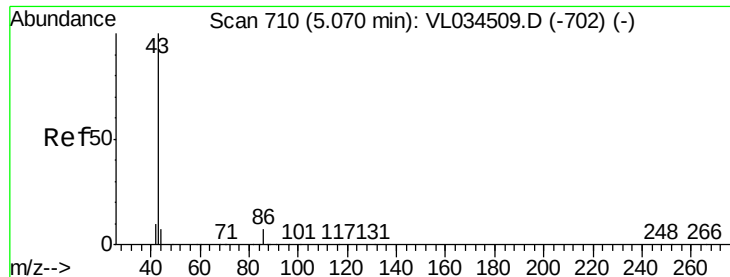
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#22
trans-1,2-Dichloroethene
Concen: 9.585 ppbv
RT: 4.88 min Scan# 650
Delta R.T. -0.00 min
Lab File: VL034516.D
Acq: 30 Dec 2019 16:18

Tgt Ion:	96	Resp:	543950
Ion Ratio	Lower	Upper	
96	100		
61	167.0	128.4	192.6
98	66.5	50.6	75.8





#23

Vinyl Acetate

Concen: 10.270 ppbv

RT: 5.07 min Scan# 710

Delta R.T. 0.00 min

Lab File: VL034516.D

Acq: 30 Dec 2019 16:18

Instrument :

MSVOA_L

ClientSampleId :

ICVVL123019

Tot Ion: 43 Resp: 1909460

Ion Ratio Lower Upper

43 100

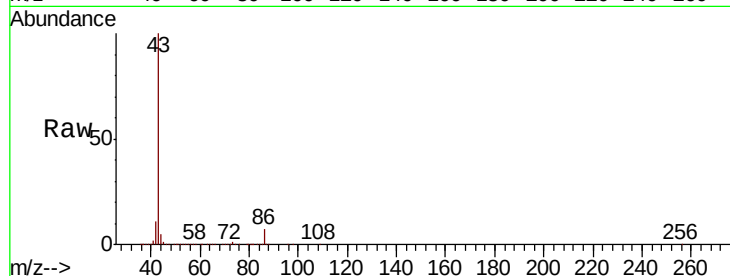
86 6.6 5.4 8.2

42 10.6 8.9 13.3

44 5.3 5.0 7.4

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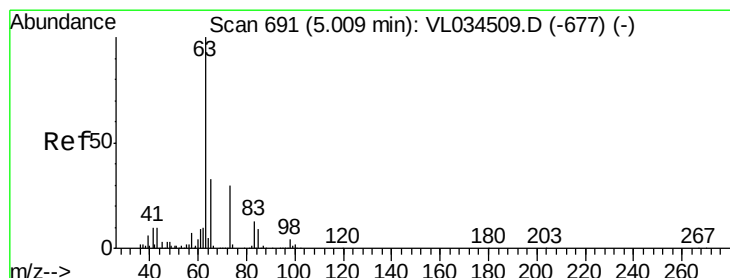
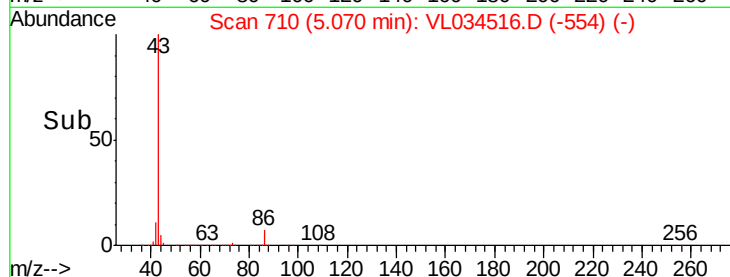
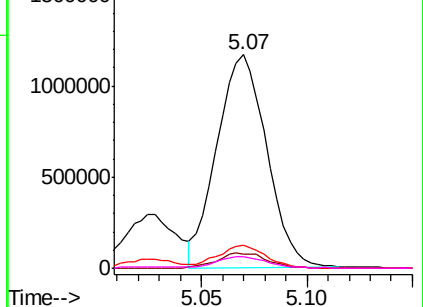


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.347 ppbv

RT: 5.01 min Scan# 690

Delta R.T. -0.00 min

Lab File: VL034516.D

Acq: 30 Dec 2019 16:18

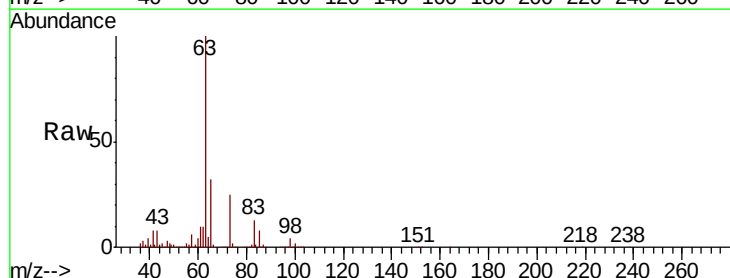
Tgt Ion: 63 Resp: 1396095

Ion Ratio Lower Upper

63 100

98 3.9 2.1 6.3

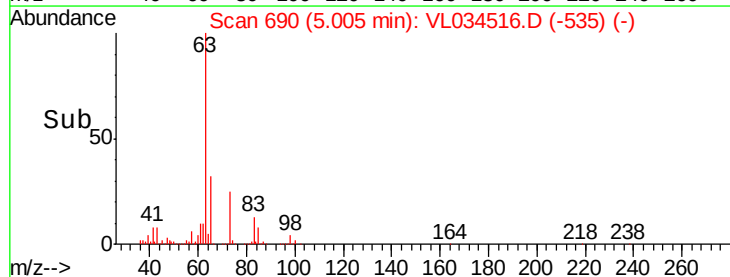
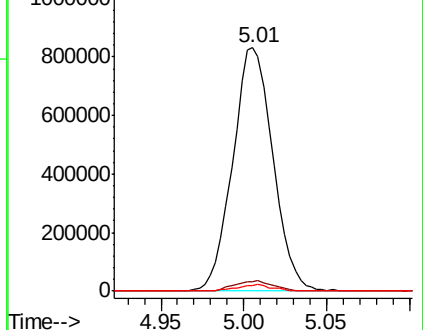
100 2.2 1.1 3.3

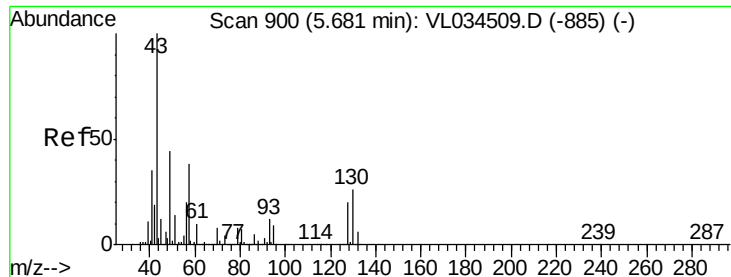


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





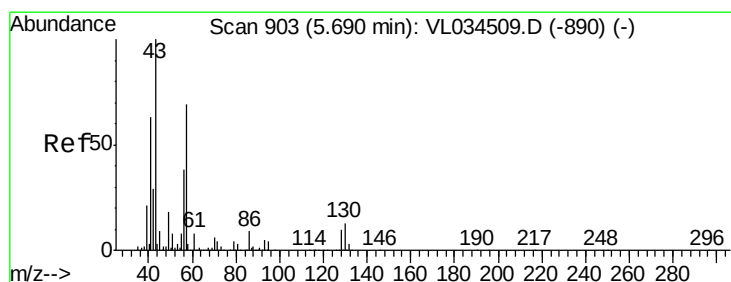
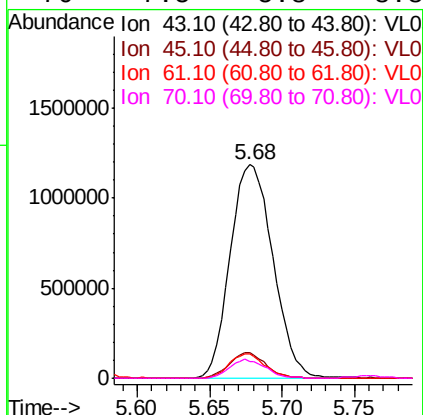
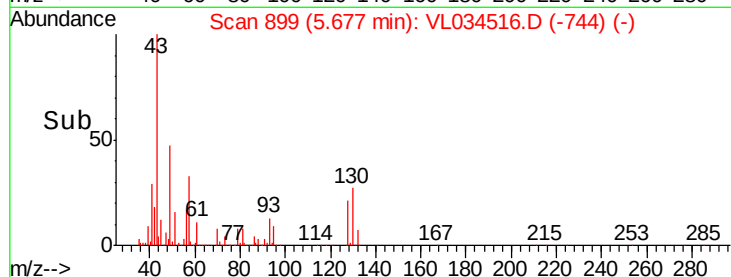
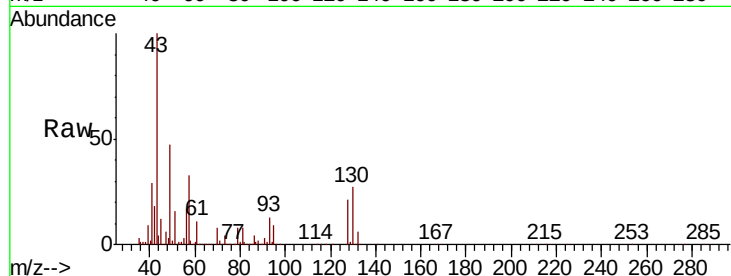
#25
Ethyl Acetate
Concen: 9.654 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.00 min
Lab File: VL034516.D
Acq: 30 Dec 2019 16:18

Instrument :
MSVOA_L
ClientSampleId :
ICVVL123019

Tot Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.3	12.5
61	9.7	7.8	11.6
70	7.5	5.8	8.8

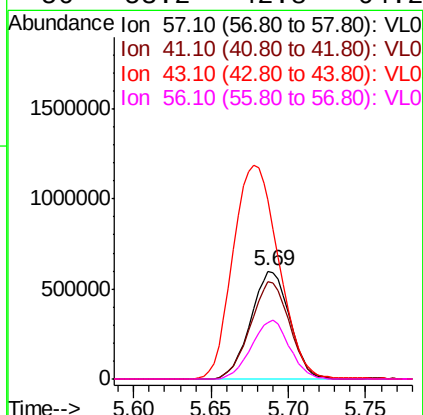
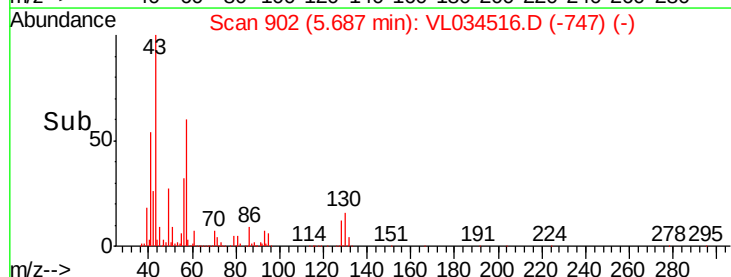
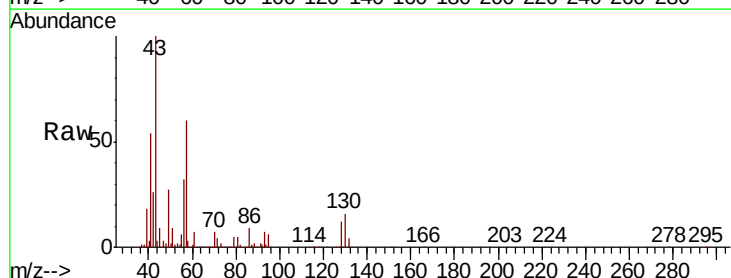
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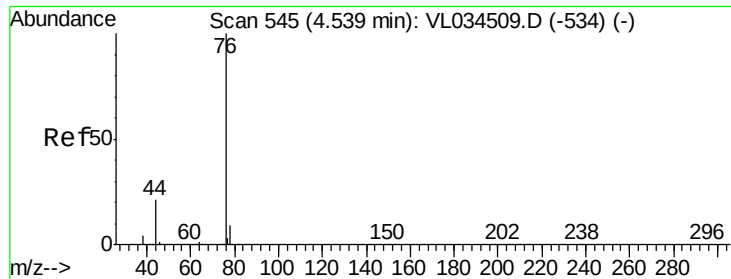
apatel
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#26
Hexane
Concen: 9.887 ppbv
RT: 5.69 min Scan# 902
Delta R.T. -0.00 min
Lab File: VL034516.D
Acq: 30 Dec 2019 16:18

Tgt Ion	Ratio	Lower	Upper
57	100		
41	91.4	75.3	112.9
43	232.6	189.4	284.2
56	53.2	42.8	64.2





#27

Carbon Disulfide

Concen: 10.251 ppbv

RT: 4.54 min Scan# 544

Delta R.T. -0.00 min

Lab File: VL034516.D

Acq: 30 Dec 2019 16:18

Instrument :

MSVOA_L

ClientSampleId :

ICVVL123019

Tot Ion: 76 Resp: 1373080

Ion Ratio Lower Upper

76 100

44 20.0 16.6 25.0

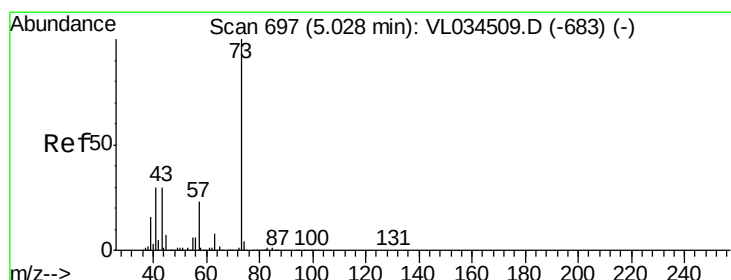
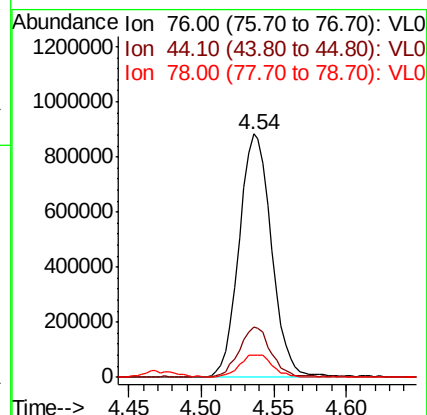
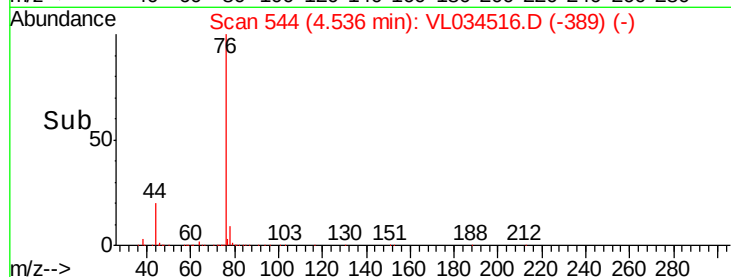
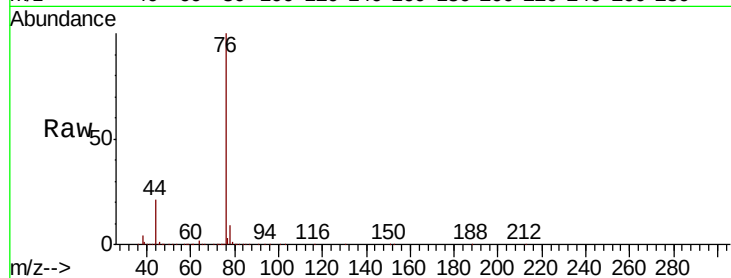
78 9.2 7.4 11.0

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#28

Methyl tert-Butyl Ether

Concen: 10.600 ppbv

RT: 5.02 min Scan# 696

Delta R.T. -0.00 min

Lab File: VL034516.D

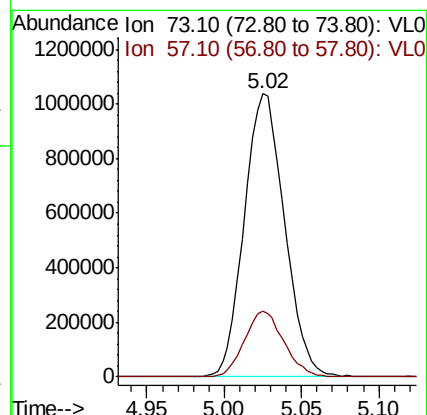
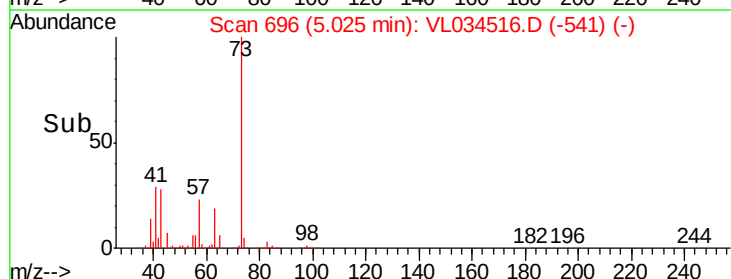
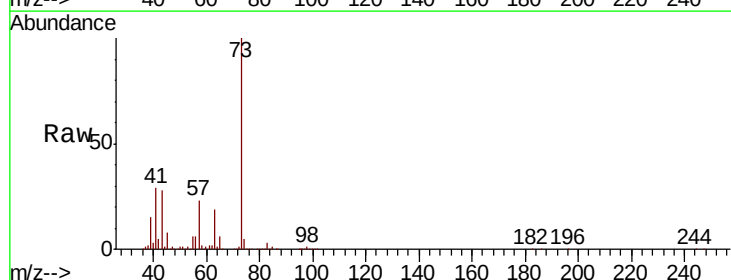
Acq: 30 Dec 2019 16:18

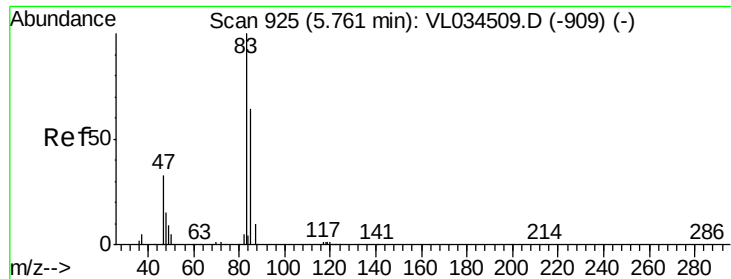
Tgt Ion: 73 Resp: 1876172

Ion Ratio Lower Upper

73 100

57 22.9 18.2 27.2





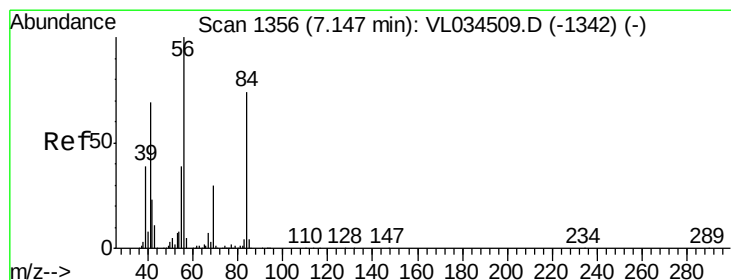
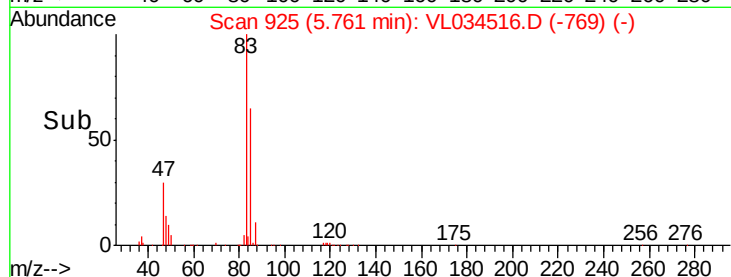
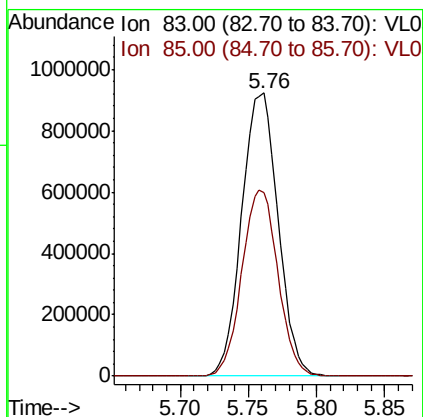
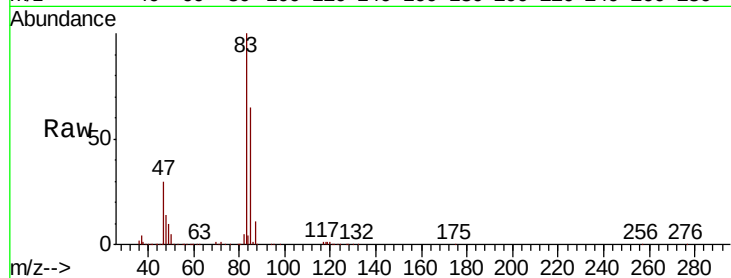
#29
Chloroform
Concen: 9.333 ppbv
RT: 5.76 min Scan# 925
Delta R.T. 0.00 min
Lab File: VL034516.D
Acq: 30 Dec 2019 16:18

Instrument :
MSVOA_L
ClientSampleId :
ICVVL123019

Tot Ion: 83 Resp: 1711317
Ion Ratio Lower Upper
83 100
85 64.7 51.0 76.6

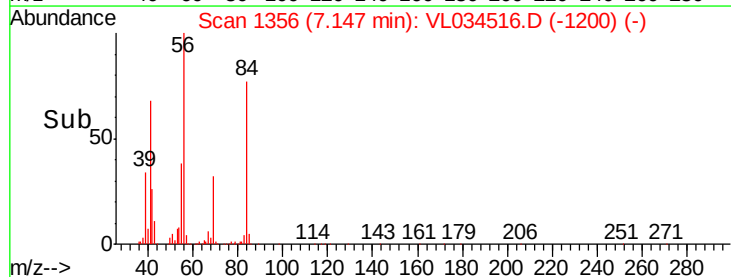
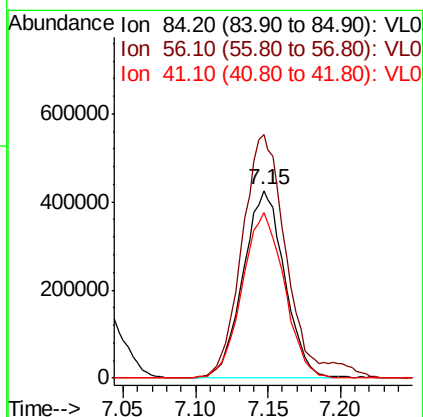
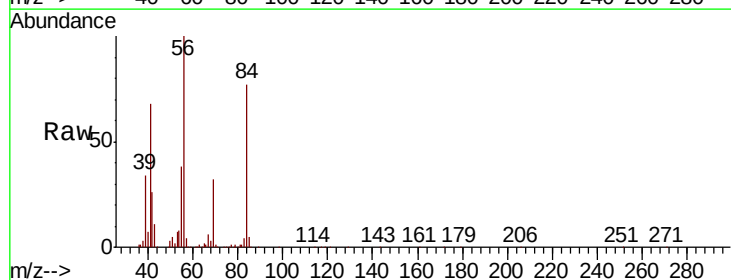
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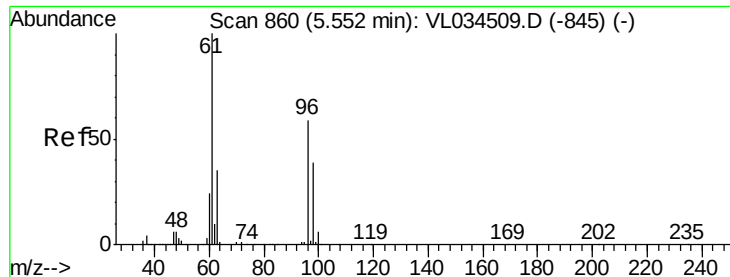
apatel
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#30
Cyclohexane
Concen: 10.738 ppbv
RT: 7.15 min Scan# 1356
Delta R.T. 0.00 min
Lab File: VL034516.D
Acq: 30 Dec 2019 16:18

Tgt Ion: 84 Resp: 845812
Ion Ratio Lower Upper
84 100
56 141.1 112.7 169.1
41 89.6 73.0 109.4





#31

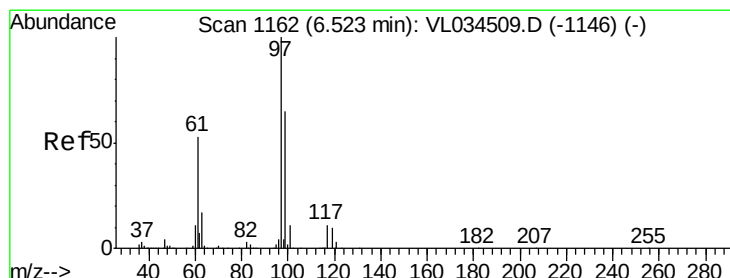
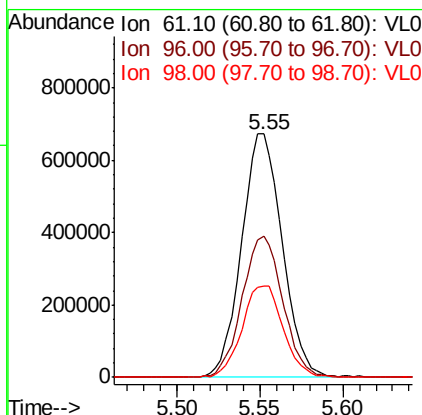
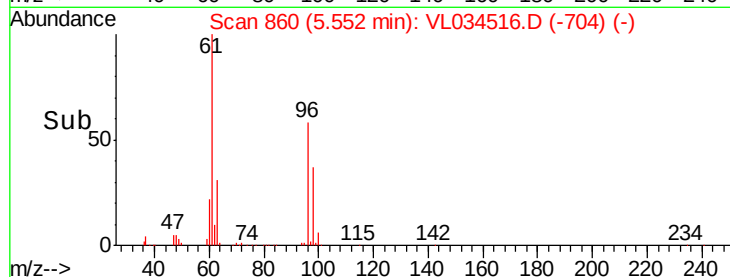
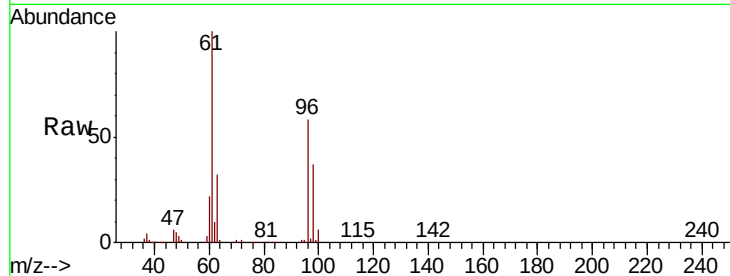
cis-1,2-Dichloroethene
Concen: 10.641 ppbv
RT: 5.55 min Scan# 860
Delta R.T. 0.00 min
Lab File: VL034516.D
Acq: 30 Dec 2019 16:18

Instrument :
MSVOA_L
ClientSampleId :
ICVVL123019

Tot Ion	Ratio	Lower	Upper
61	100		
96	58.1	47.1	70.7
98	37.4	31.0	46.6

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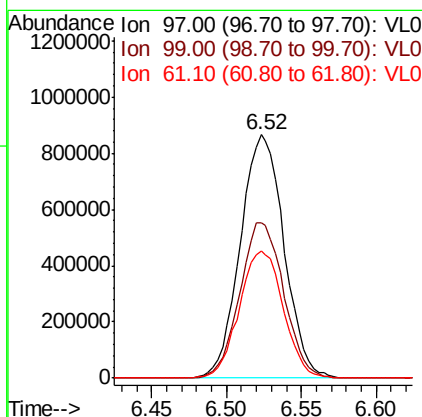
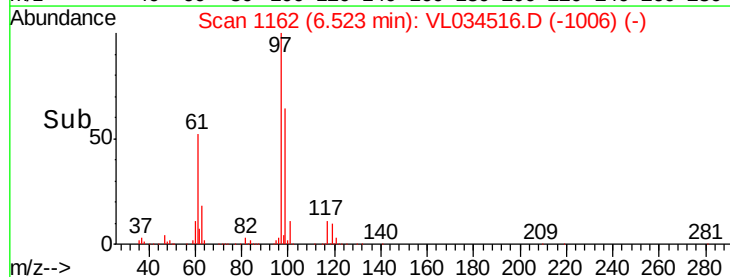
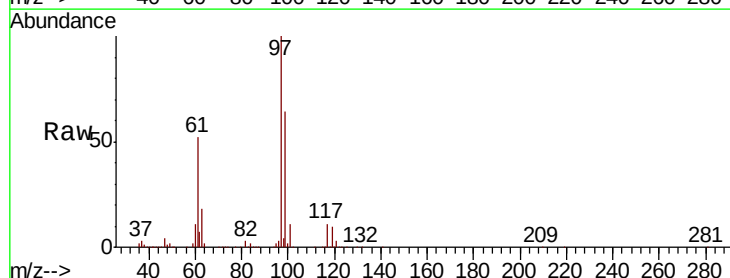
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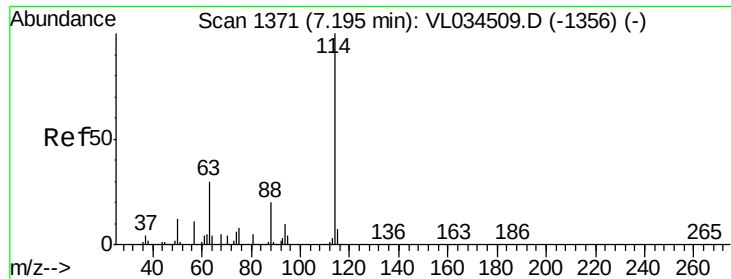


#32

1,1,1-Trichloroethane
Concen: 9.232 ppbv
RT: 6.52 min Scan# 1162
Delta R.T. 0.00 min
Lab File: VL034516.D
Acq: 30 Dec 2019 16:18

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.7	77.5
61	52.9	42.9	64.3





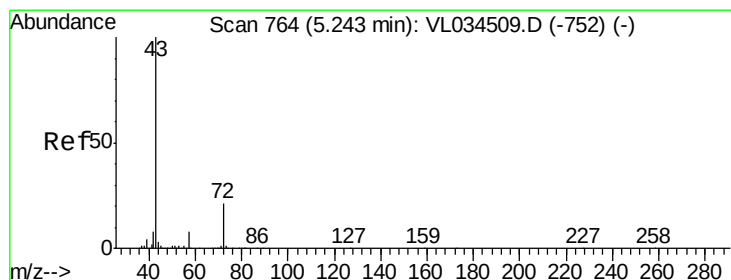
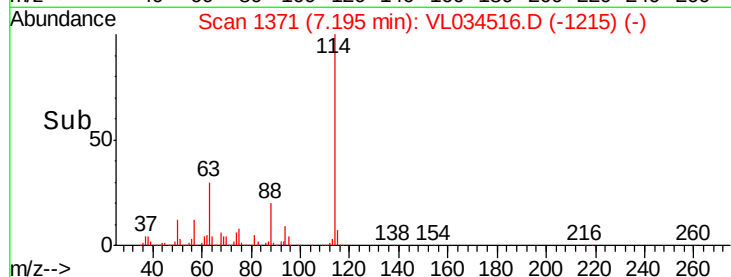
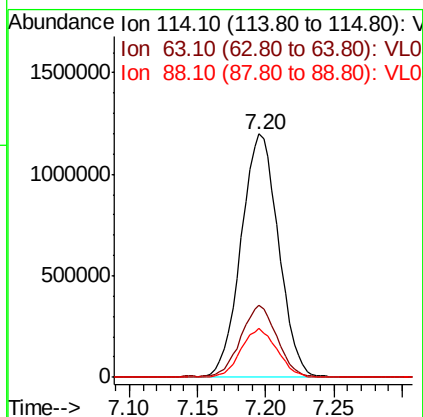
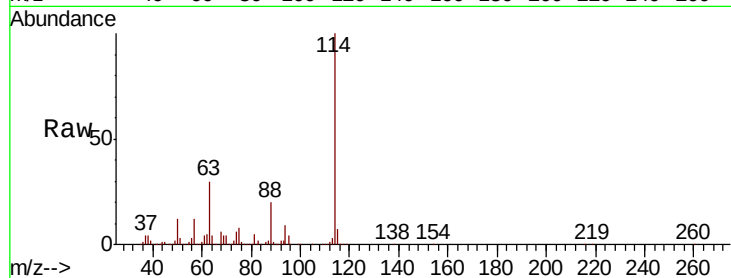
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20 min Scan# 1371
 Delta R.T. 0.00 min
 Lab File: VL034516.D
 Acq: 30 Dec 2019 16:18

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL123019

Tot Ion	Ratio	Lower	Upper
114	100		
63	29.1	24.1	36.1
88	19.5	15.7	23.5

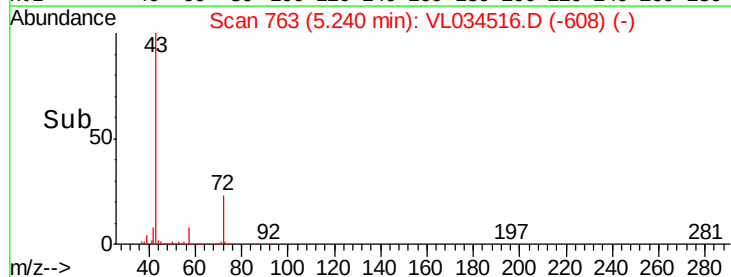
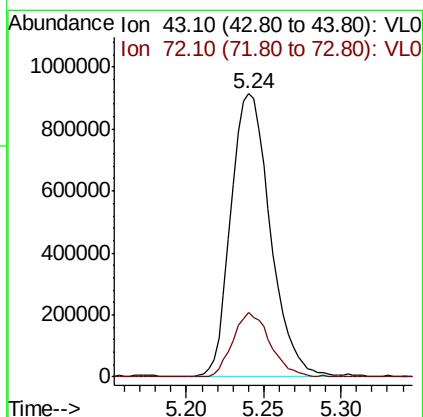
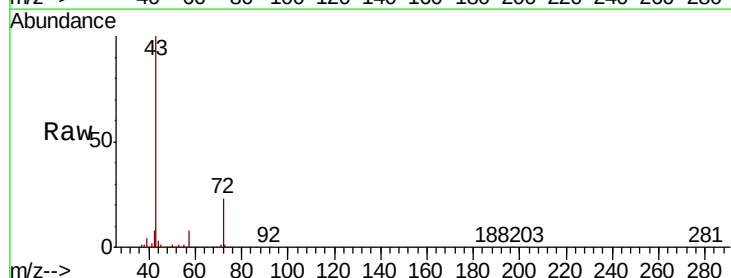
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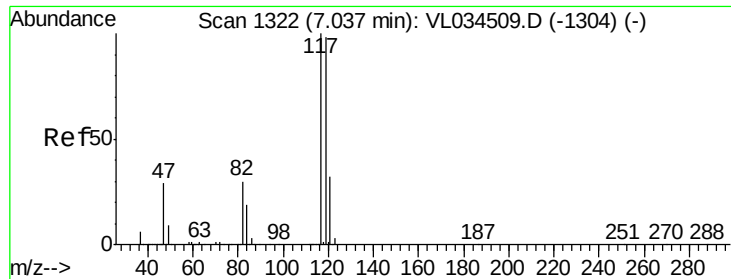
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#34
 2-Butanone
 Concen: 9.886 ppbv
 RT: 5.24 min Scan# 763
 Delta R.T. -0.00 min
 Lab File: VL034516.D
 Acq: 30 Dec 2019 16:18

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.9	17.0	25.4





#35

Carbon Tetrachloride

Concen: 8.831 ppbv

RT: 7.03 min Scan# 1321

Delta R.T. -0.00 min

Lab File: VL034516.D

Acq: 30 Dec 2019 16:18

Instrument :

MSVOA_L

ClientSampleId :

ICVVL123019

Tot Ion:117 Resp: 1829981

Ion Ratio Lower Upper

117 100

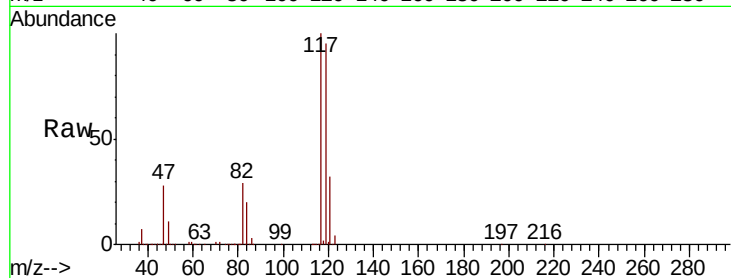
119 95.2 78.7 118.1

121 32.3 25.9 38.9

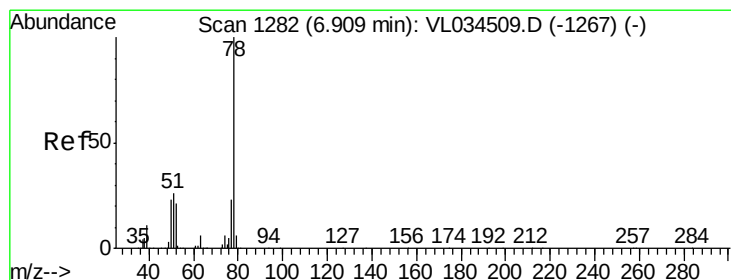
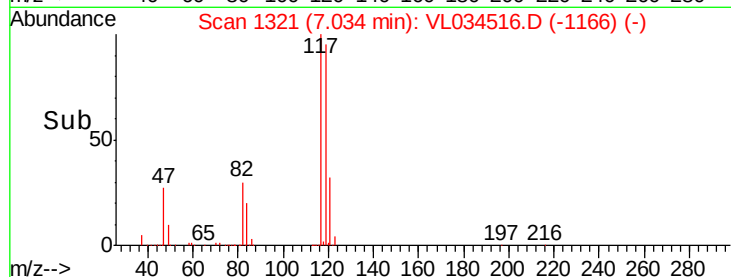
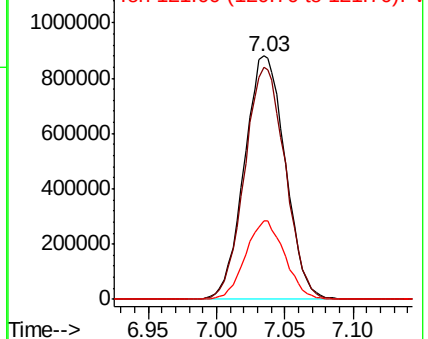
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Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 10.119 ppbv

RT: 6.91 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VL034516.D

Acq: 30 Dec 2019 16:18

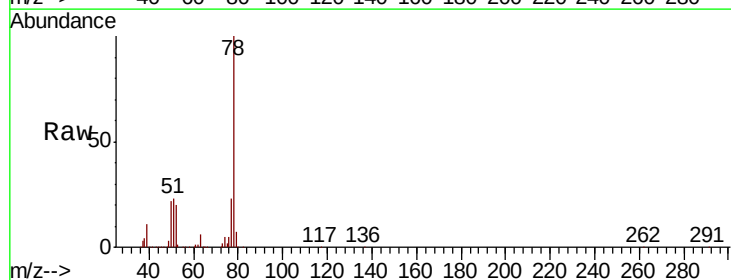
Tgt Ion: 78 Resp: 2015474

Ion Ratio Lower Upper

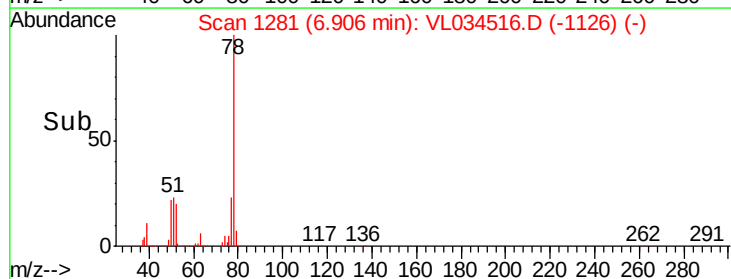
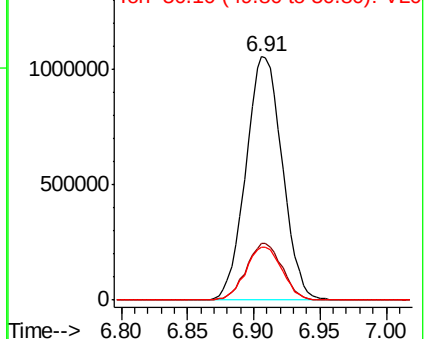
78 100

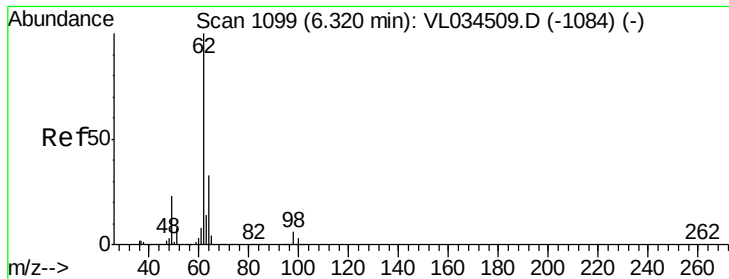
77 23.3 18.6 28.0

50 21.7 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





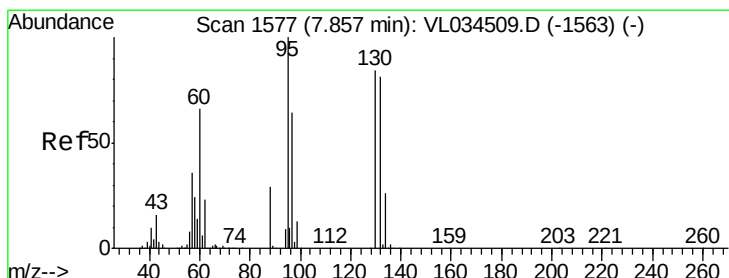
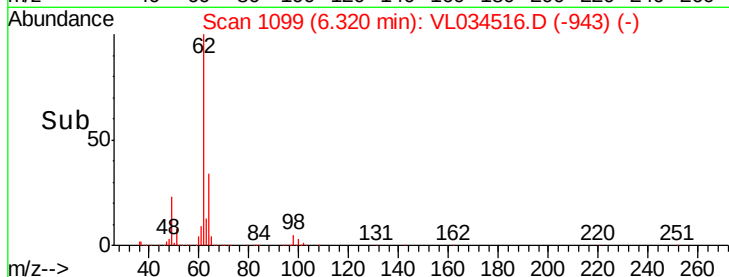
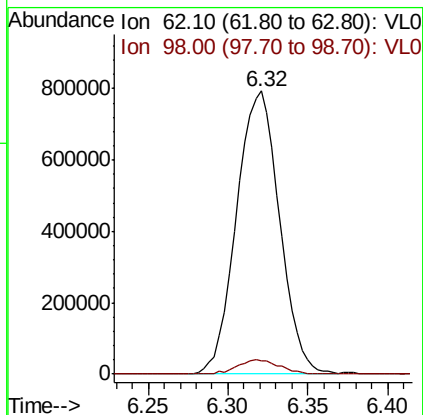
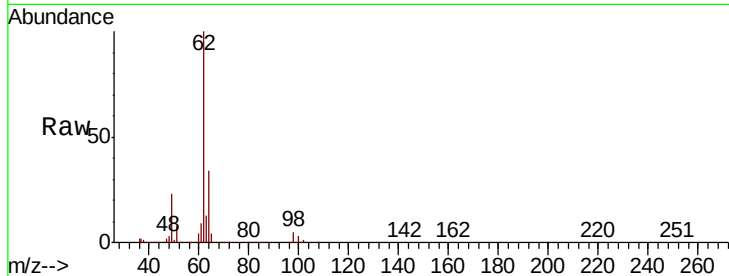
#37
 1,2-Dichloroethane
 Concen: 8.959 ppbv
 RT: 6.32 min Scan# 1099
 Delta R.T. 0.00 min
 Lab File: VL034516.D
 Acq: 30 Dec 2019 16:18

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL123019

Tot Ion: 62 Resp: 1449092
 Ion Ratio Lower Upper
 62 100
 98 5.0 3.8 5.6

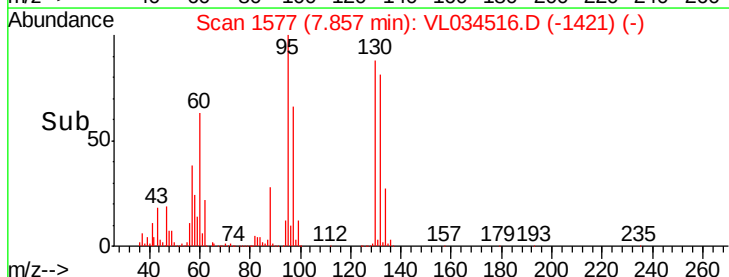
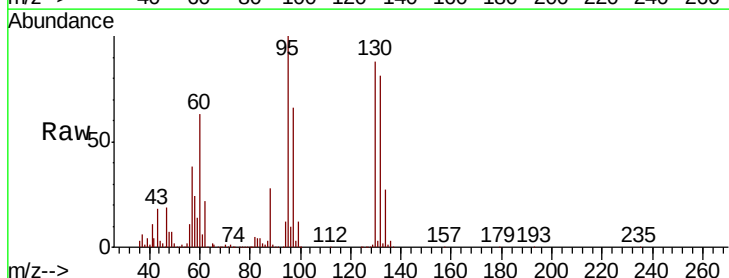
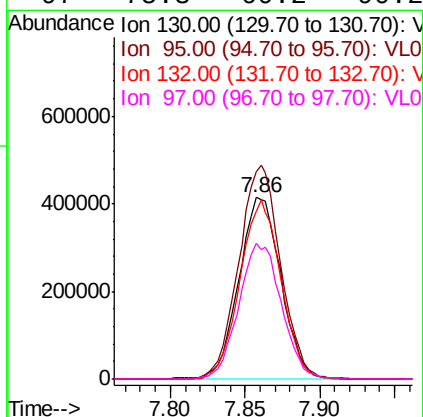
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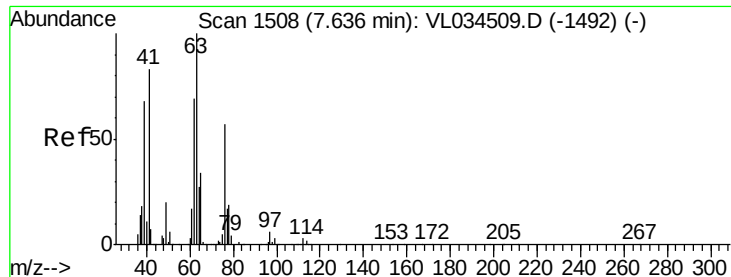
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#38
 Trichloroethene
 Concen: 10.047 ppbv
 RT: 7.86 min Scan# 1577
 Delta R.T. 0.00 min
 Lab File: VL034516.D
 Acq: 30 Dec 2019 16:18

Tgt Ion: 130 Resp: 808331
 Ion Ratio Lower Upper
 130 100
 95 114.1 94.2 141.2
 132 92.6 76.1 114.1
 97 75.3 60.2 90.2





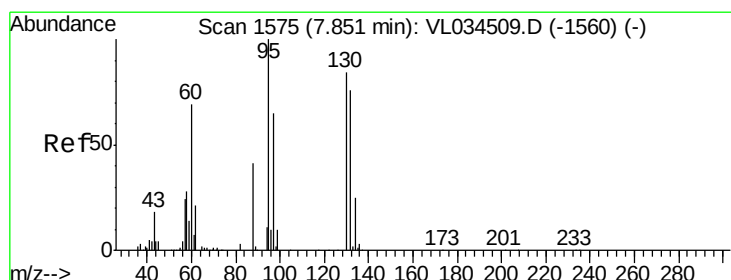
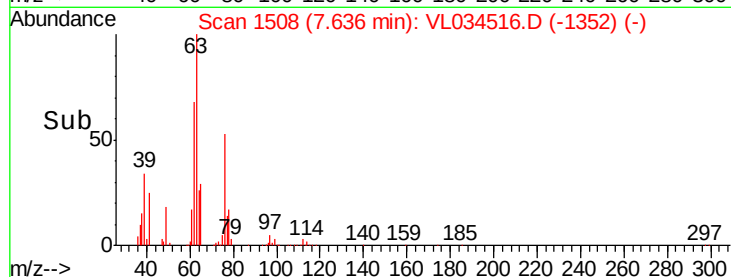
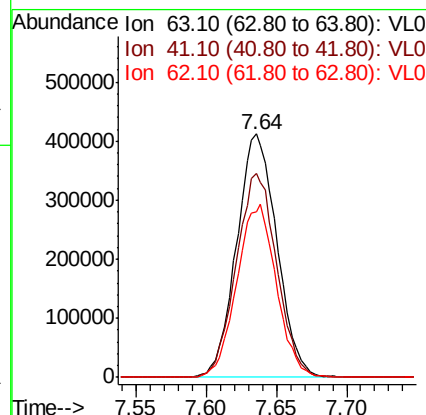
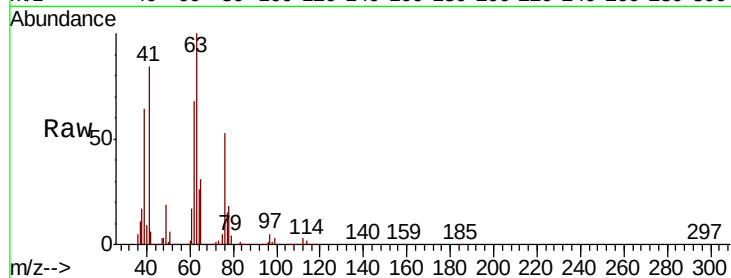
#39
 1,2-Dichloropropane
 Concen: 9.995 ppbv
 RT: 7.64 min Scan# 1508
 Delta R.T. 0.00 min
 Lab File: VL034516.D
 Acq: 30 Dec 2019 16:18

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL123019

Tot Ion	Ratio	Lower	Upper
63	100		
41	83.5	66.1	99.1
62	68.2	54.9	82.3

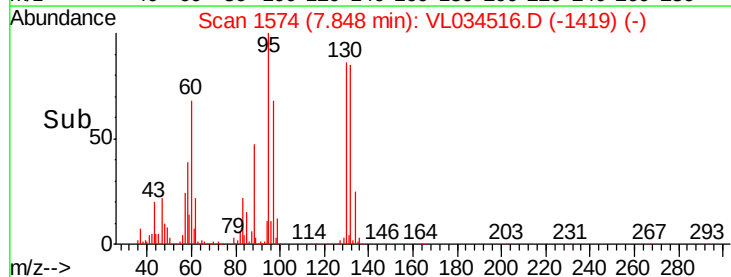
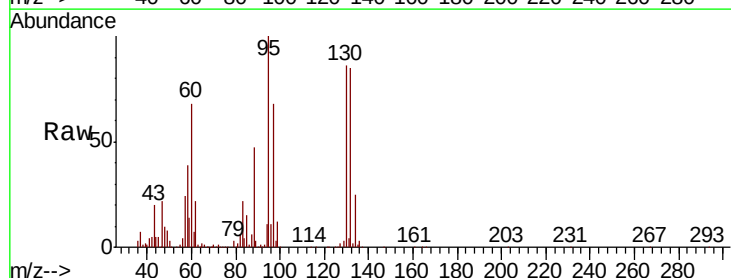
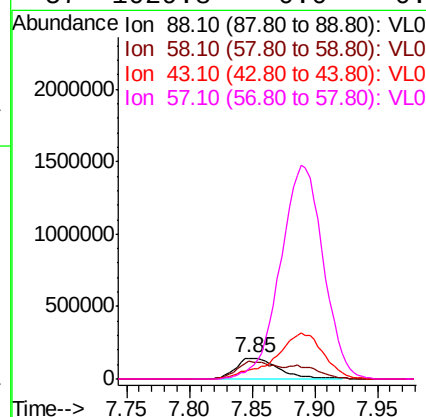
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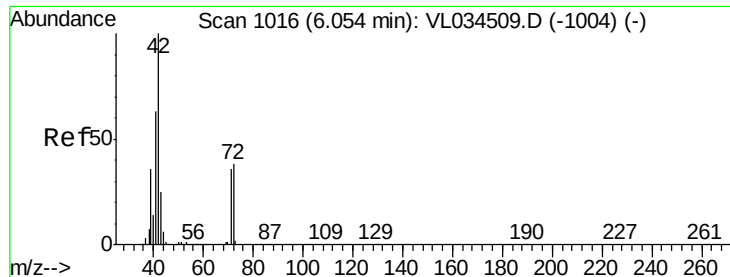
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#40
 1,4-Dioxane
 Concen: 10.299 ppbv
 RT: 7.85 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VL034516.D
 Acq: 30 Dec 2019 16:18

Tgt Ion	Ratio	Lower	Upper
88	100		
58	126.2	107.9	161.9
43	251.1	0.0	0.0#
57	1029.8	0.0	0.0#





#41

Tetrahydrofuran

Concen: 11.032 ppbv

RT: 6.05 min Scan# 1015

Delta R.T. -0.00 min

Lab File: VL034516.D

Acq: 30 Dec 2019 16:18

Instrument :

MSVOA_L

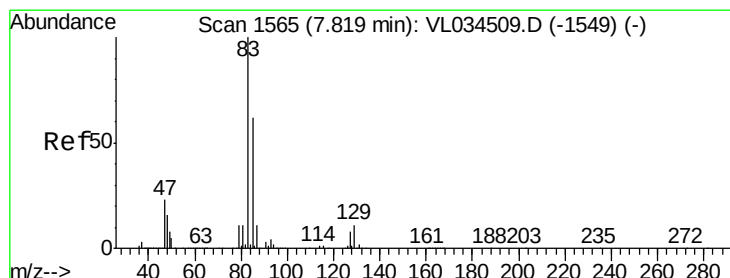
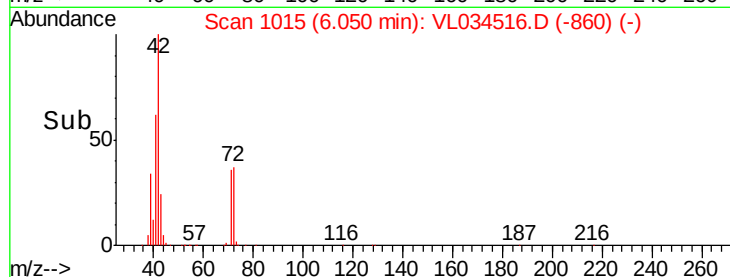
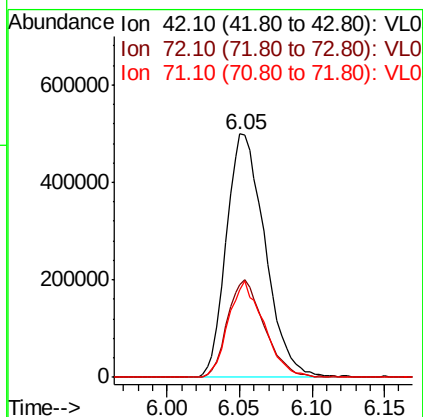
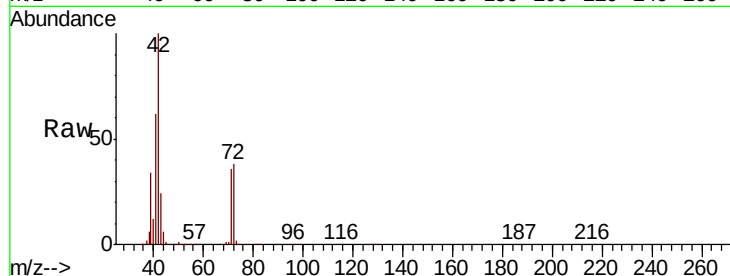
ClientSampleId :

ICVVL123019

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.3	30.9	46.3
71	36.5	28.9	43.3

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#42

Bromodichloromethane

Concen: 9.552 ppbv

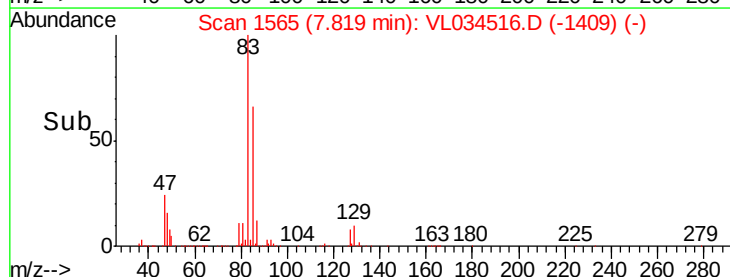
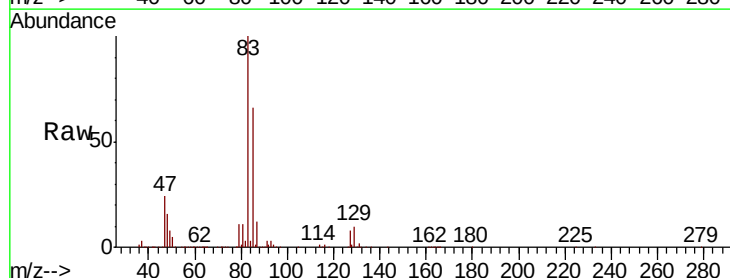
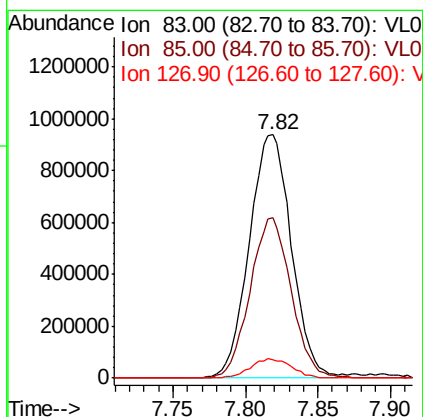
RT: 7.82 min Scan# 1565

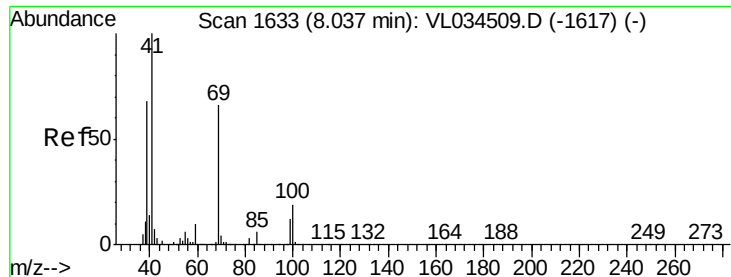
Delta R.T. 0.00 min

Lab File: VL034516.D

Acq: 30 Dec 2019 16:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	49.4	74.2
127	7.7	6.2	9.4





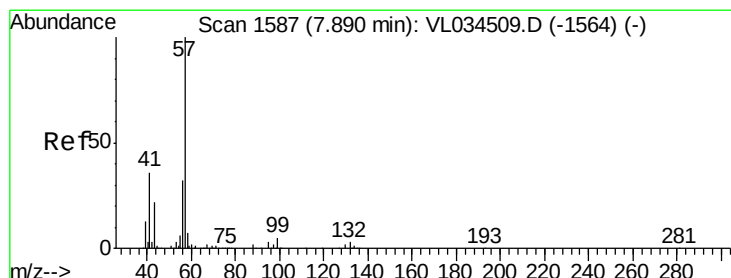
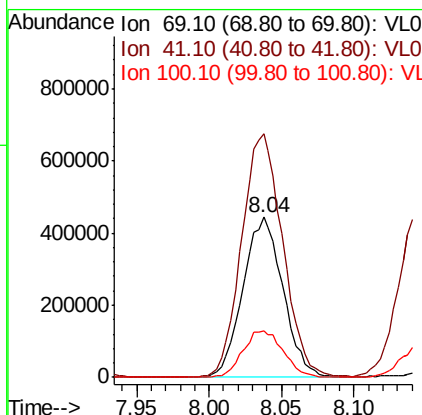
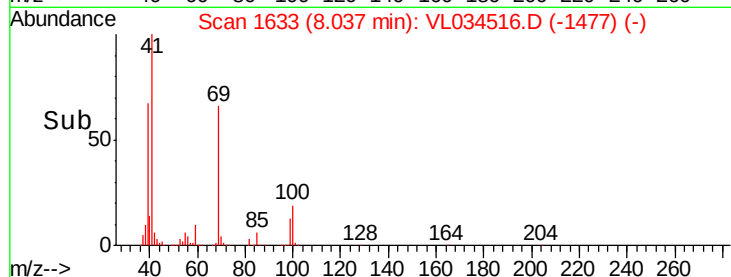
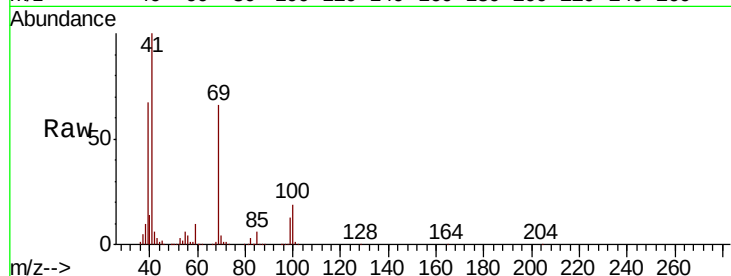
#43
Methyl Methacrylate
Concen: 10.528 ppbv
RT: 8.04 min Scan# 1633
Delta R.T. 0.00 min
Lab File: VL034516.D
Acq: 30 Dec 2019 16:18

Instrument :
MSVOA_L
ClientSampleId :
ICVVL123019

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	155.3	124.0	186.0	
100	29.2	23.1	34.7	

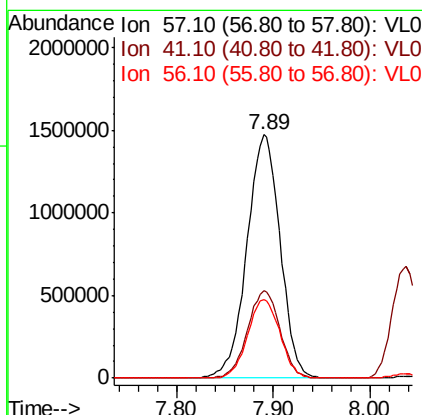
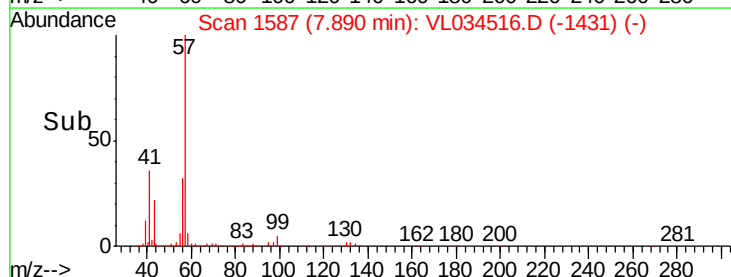
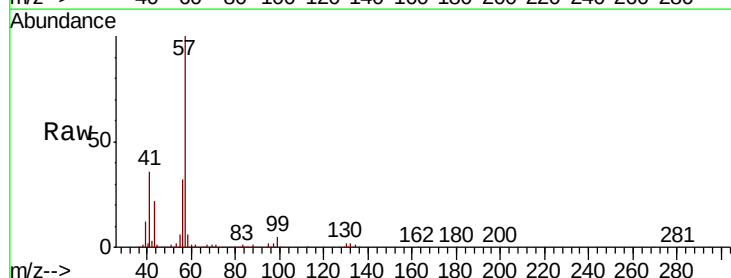
Manual Integrations
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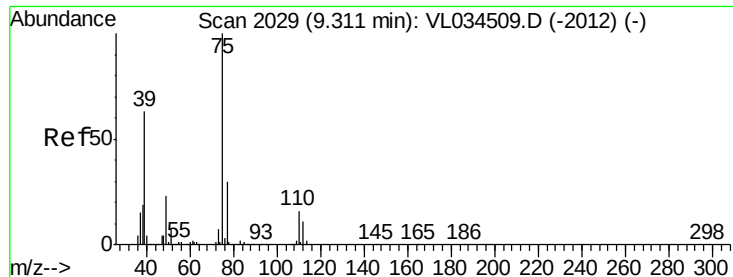
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#44
2,2,4-Trimethylpentane
Concen: 9.542 ppbv
RT: 7.89 min Scan# 1587
Delta R.T. 0.00 min
Lab File: VL034516.D
Acq: 30 Dec 2019 16:18

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	35.1	29.0	43.4	
56	31.5	24.9	37.3	





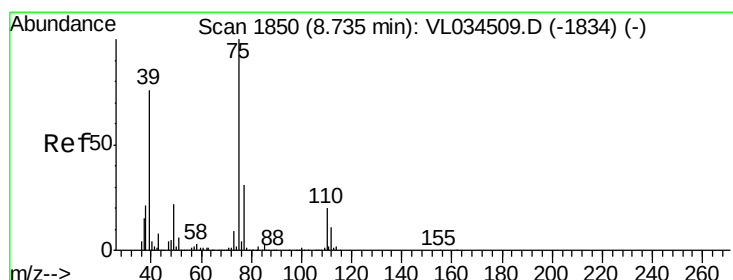
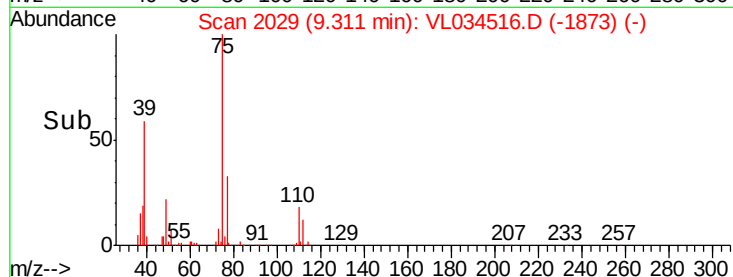
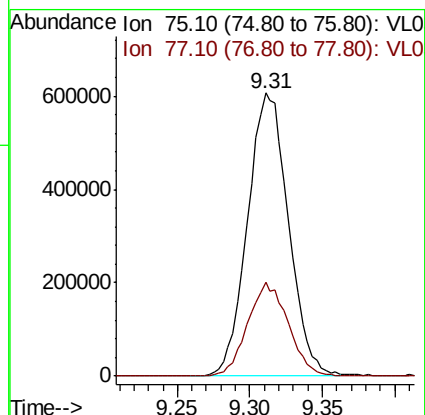
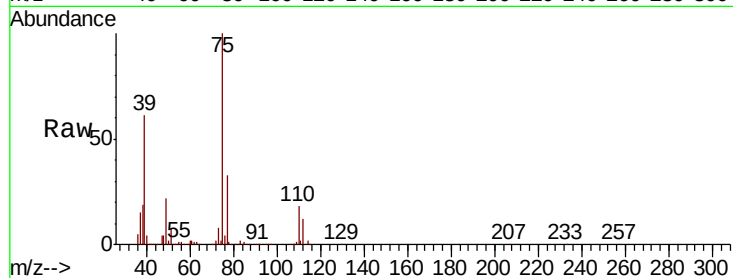
#45
t-1,3-Dichloropropene
Concen: 11.391 ppbv
RT: 9.31 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VL034516.D
Acq: 30 Dec 2019 16:18

Instrument :
MSVOA_L
ClientSampleId :
ICVVL123019

Tot Ion: 75 Resp: 1192192
Ion Ratio Lower Upper
75 100
77 33.0 24.2 36.2

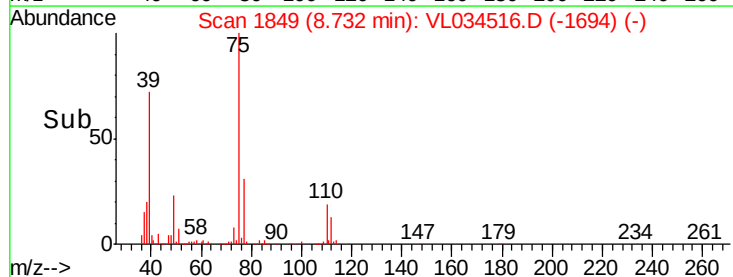
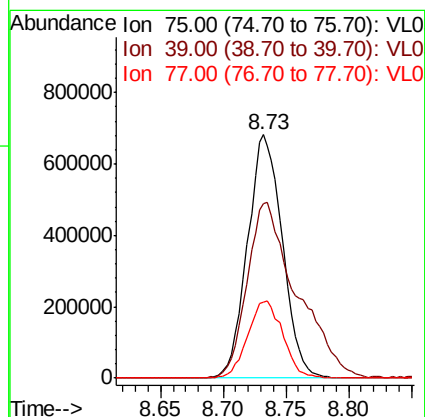
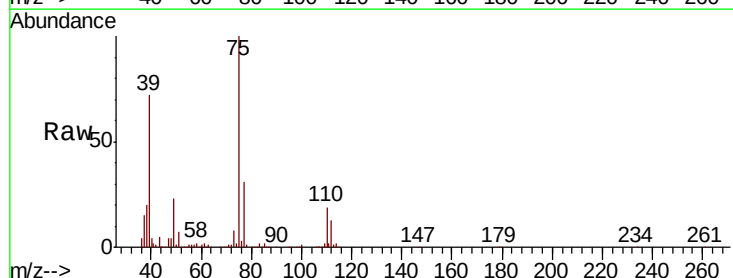
Manual Integrations
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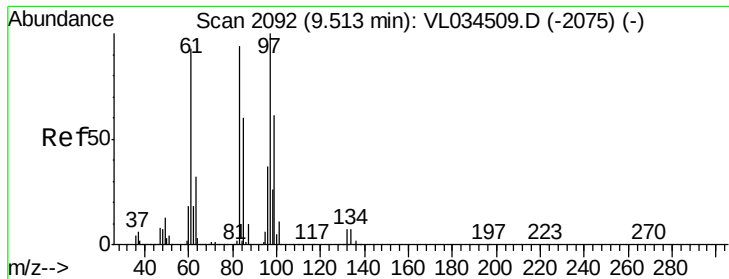
apatel
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#46
cis-1,3-Dichloropropene
Concen: 11.035 ppbv
RT: 8.73 min Scan# 1849
Delta R.T. -0.00 min
Lab File: VL034516.D
Acq: 30 Dec 2019 16:18

Tgt Ion: 75 Resp: 1320151
Ion Ratio Lower Upper
75 100
39 71.8 60.5 90.7
77 31.3 24.8 37.2





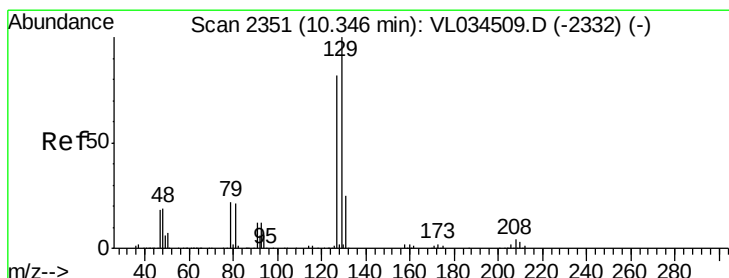
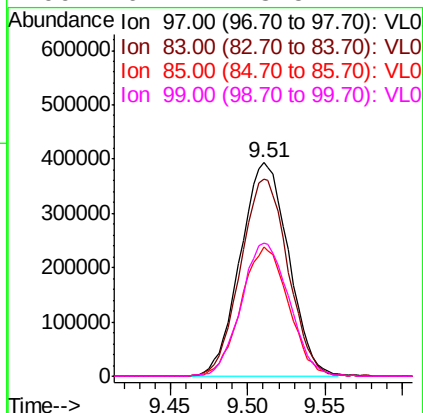
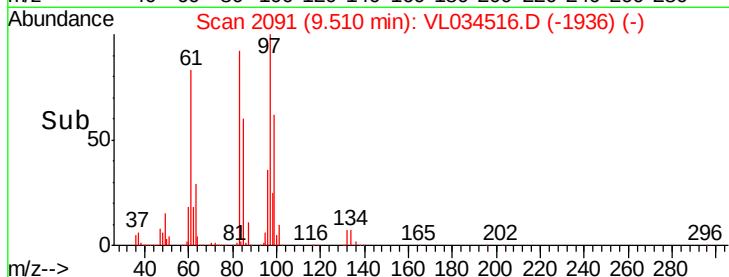
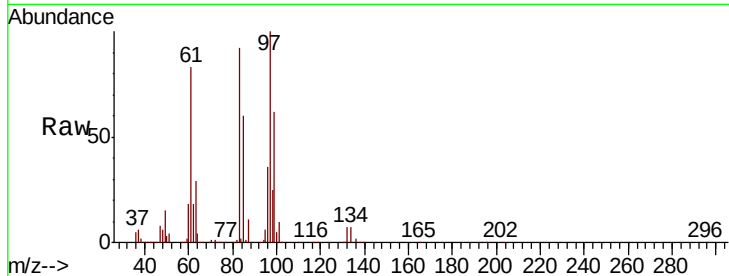
#47
 1,1,2-Trichloroethane
 Concen: 9.456 ppbv
 RT: 9.51 min Scan# 2091
 Delta R.T. -0.00 min
 Lab File: VL034516.D
 Acq: 30 Dec 2019 16:18

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL123019

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	92.3	75.0	112.4	
85	60.3	48.2	72.4	
99	62.2	48.5	72.7	

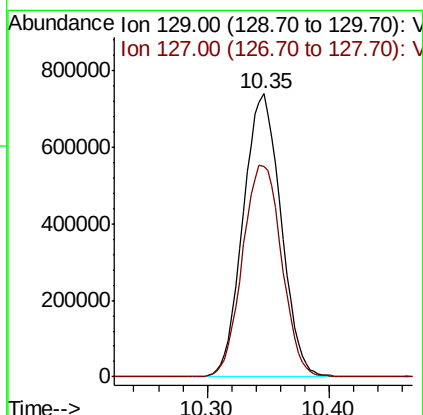
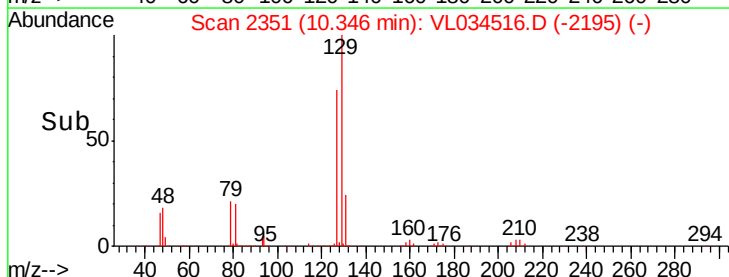
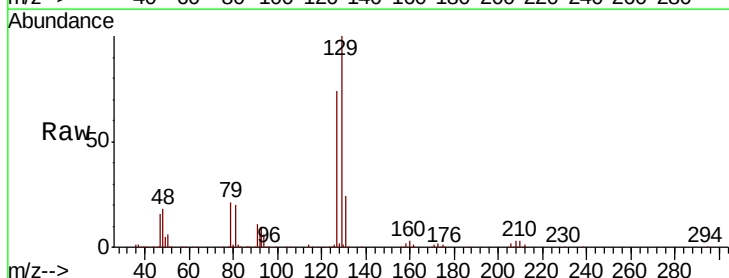
Manual Integrations
 APPROVED

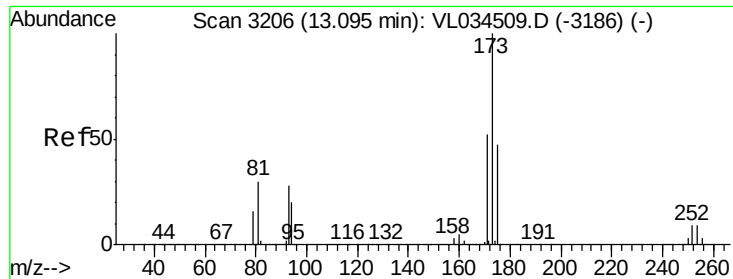
apatel
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#48
 Dibromochloromethane
 Concen: 10.093 ppbv
 RT: 10.35 min Scan# 2351
 Delta R.T. 0.00 min
 Lab File: VL034516.D
 Acq: 30 Dec 2019 16:18

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	77.7	39.4	118.2	





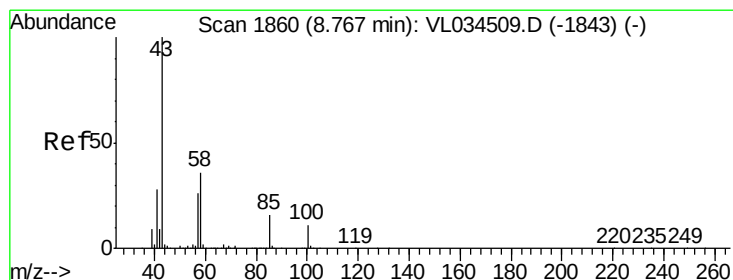
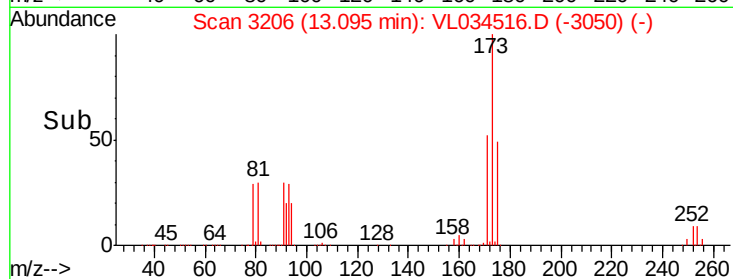
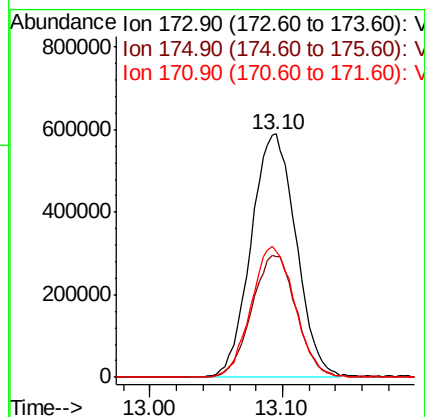
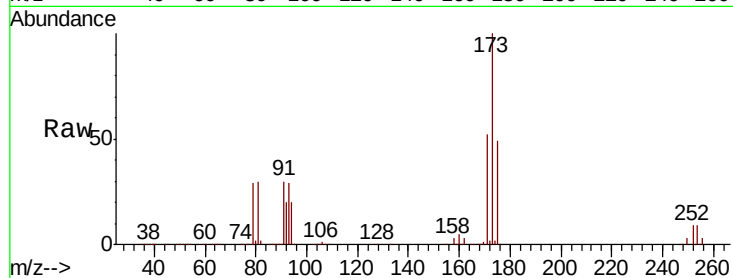
#49
Bromoform
Concen: 9.832 ppbv
RT: 13.10 min Scan# 3206
Delta R.T. 0.00 min
Lab File: VL034516.D
Acq: 30 Dec 2019 16:18

Instrument :
MSVOA_L
ClientSampleId :
ICVVL123019

Tot Ion:173 Resp: 1393086
Ion Ratio Lower Upper
173 100
175 49.7 39.8 59.8
171 52.4 42.1 63.1

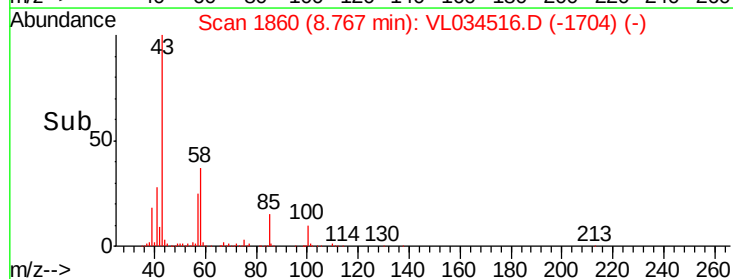
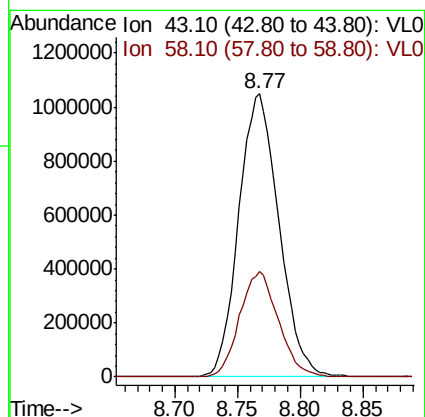
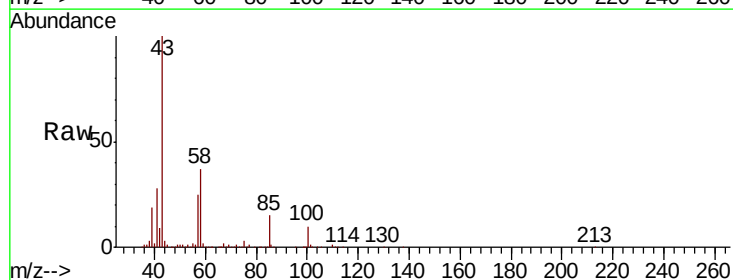
Manual Integrations
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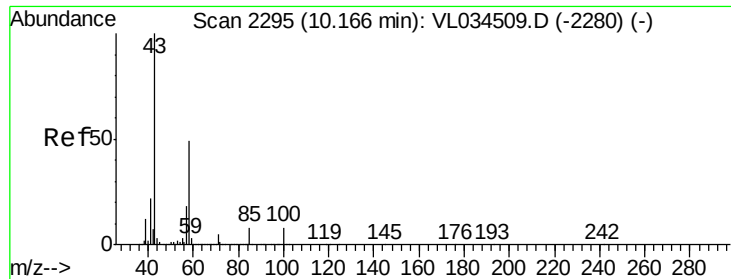
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#50
4-Methyl-2-Pentanone
Concen: 9.855 ppbv
RT: 8.77 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VL034516.D
Acq: 30 Dec 2019 16:18

Tgt Ion: 43 Resp: 2335998
Ion Ratio Lower Upper
43 100
58 36.0 28.2 42.2





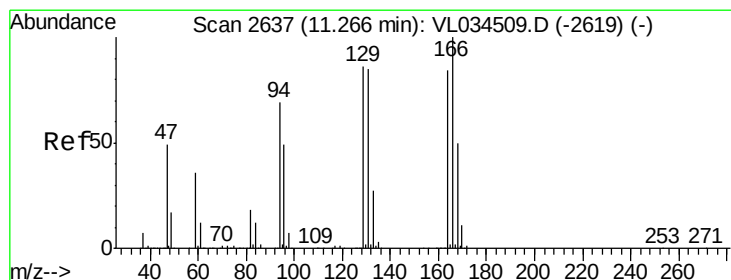
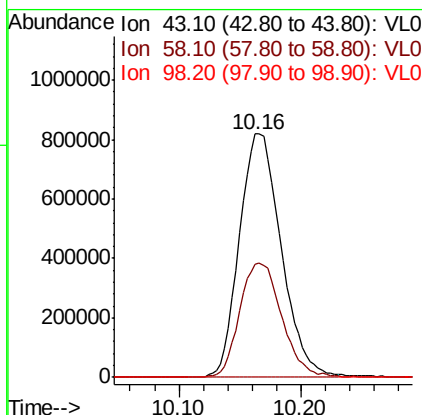
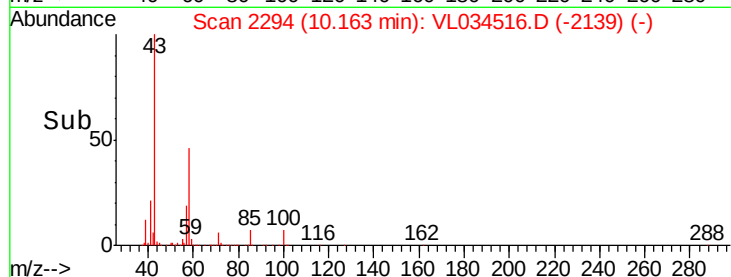
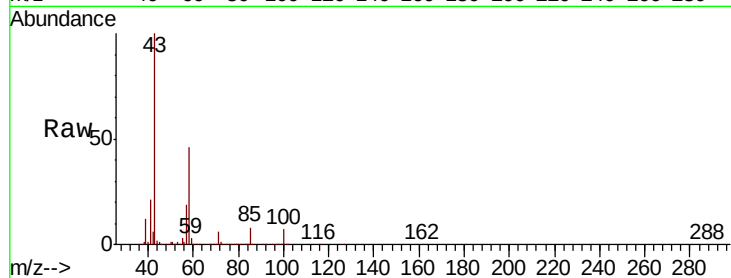
#51
2-Hexanone
Concen: 10.143 ppbv
RT: 10.16 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VL034516.D
Acq: 30 Dec 2019 16:18

Instrument :
MSVOA_L
ClientSampleId :
ICVVL123019

Tot Ion: 43 Resp: 1940793
Ion Ratio Lower Upper
43 100
58 47.2 37.4 56.0
98 0.2 0.2 0.2

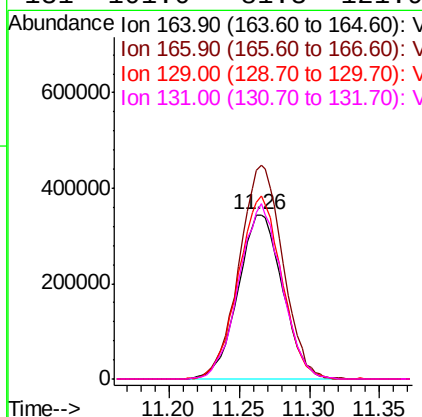
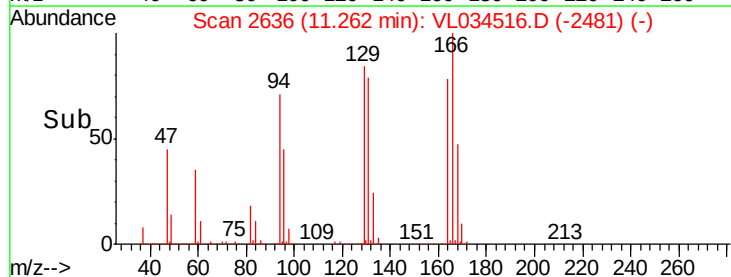
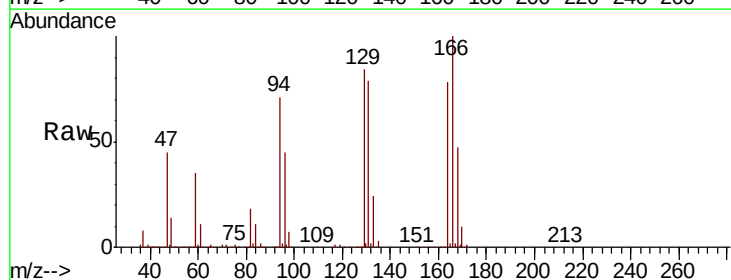
Manual Integrations
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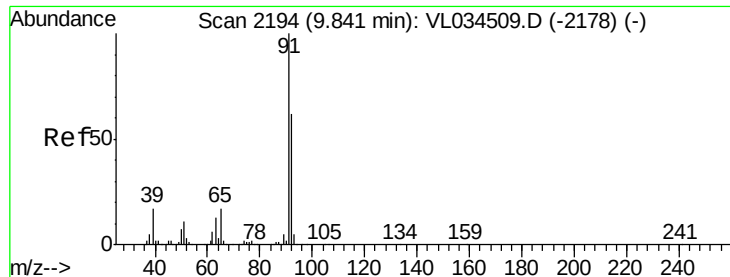
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#52
Tetrachloroethene
Concen: 9.735 ppbv
RT: 11.26 min Scan# 2636
Delta R.T. -0.00 min
Lab File: VL034516.D
Acq: 30 Dec 2019 16:18

Tgt Ion: 164 Resp: 756673
Ion Ratio Lower Upper
164 100
166 127.4 95.7 143.5
129 107.3 82.2 123.2
131 101.0 81.3 121.9





#53

Toluene

Concen: 10.573 ppbv

RT: 9.84 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VL034516.D

Acq: 30 Dec 2019 16:18

Instrument :

MSVOA_L

ClientSampleId :

ICVVL123019

Tot Ion: 91 Resp: 231352

Ion Ratio Lower Upper

91 100

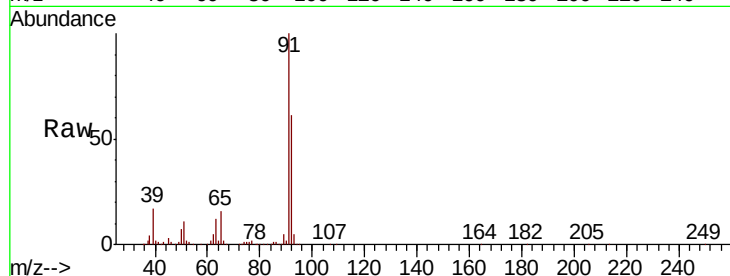
92 60.4 48.4 72.6

Manual Integrations

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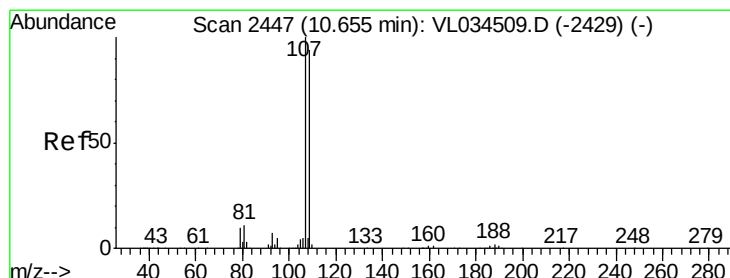
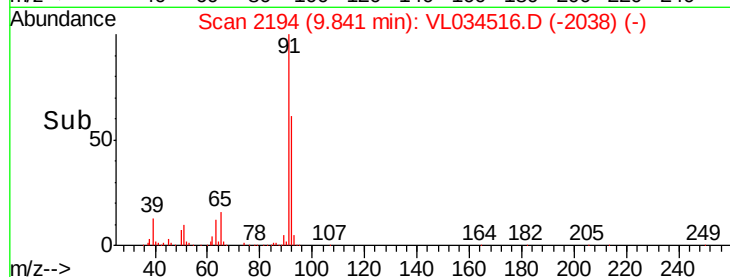
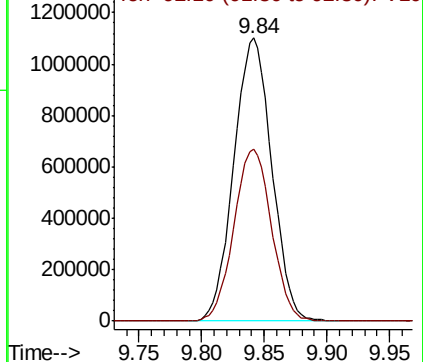
apatel

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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 9.860 ppbv

RT: 10.65 min Scan# 2446

Delta R.T. -0.00 min

Lab File: VL034516.D

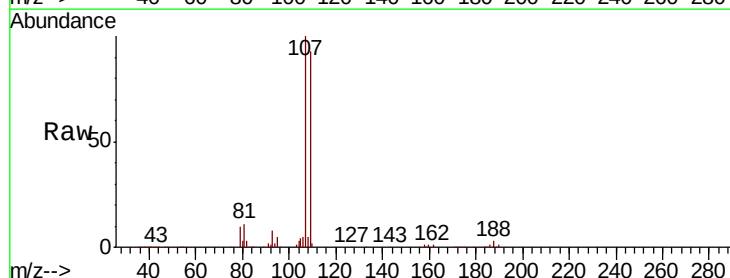
Acq: 30 Dec 2019 16:18

Tgt Ion: 107 Resp: 1295450

Ion Ratio Lower Upper

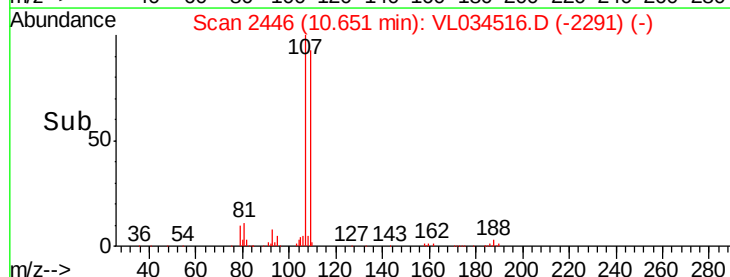
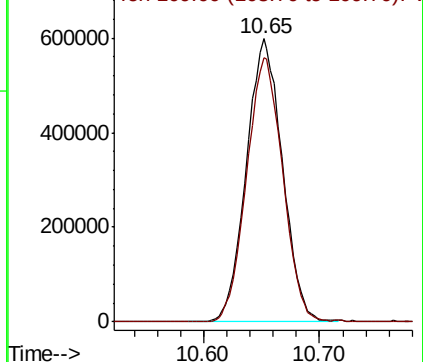
107 100

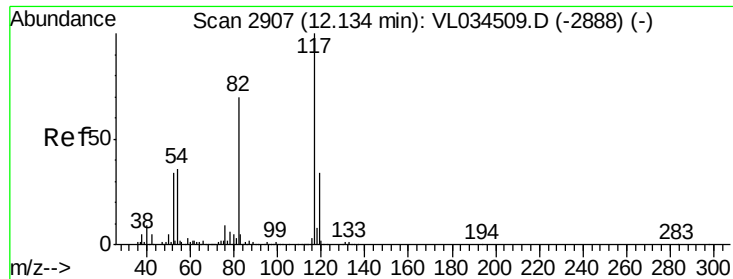
109 93.2 75.5 113.3



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





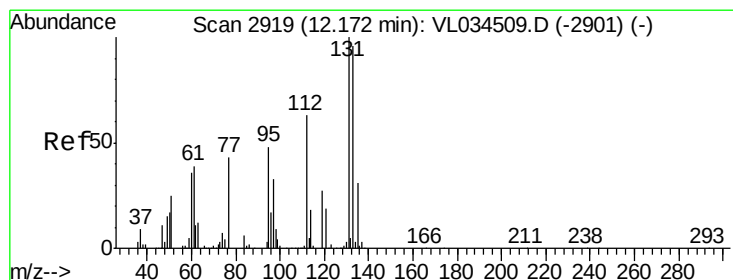
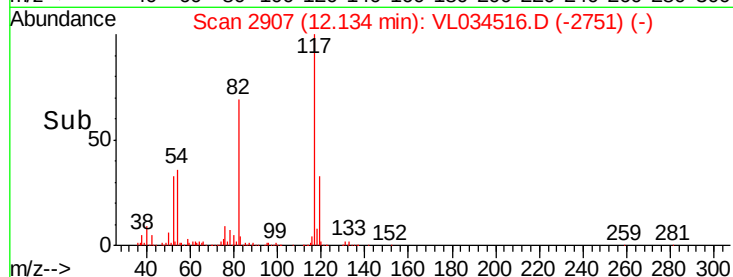
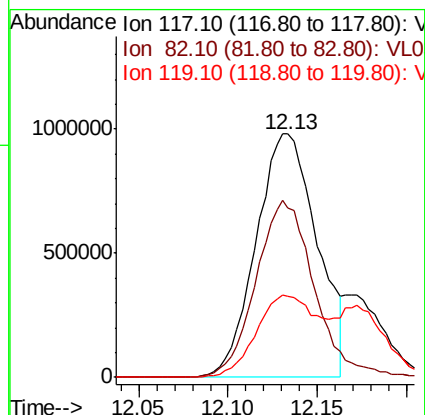
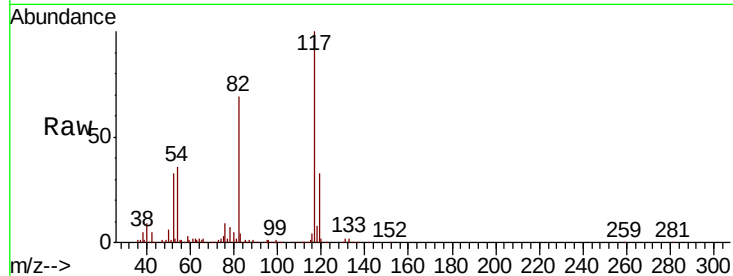
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.13 min Scan# 2907
Delta R.T. 0.00 min
Lab File: VL034516.D
Acq: 30 Dec 2019 16:18

Instrument :
MSVOA_L
ClientSampleId :
ICVVL123019

Tot Ion	Ratio	Lower	Upper
117	100		
82	69.8	56.2	84.4
119	58.0	27.1	40.7#

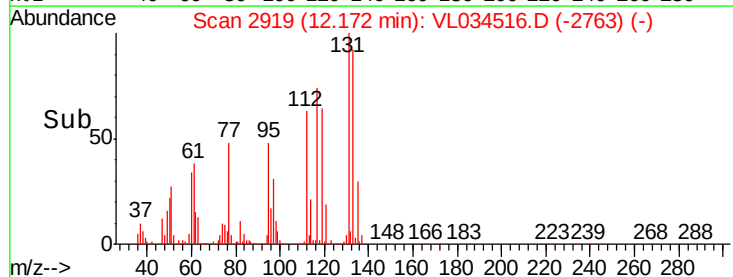
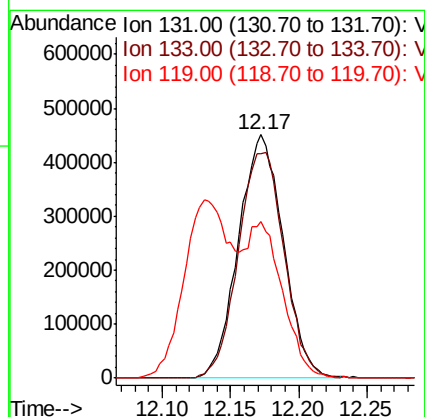
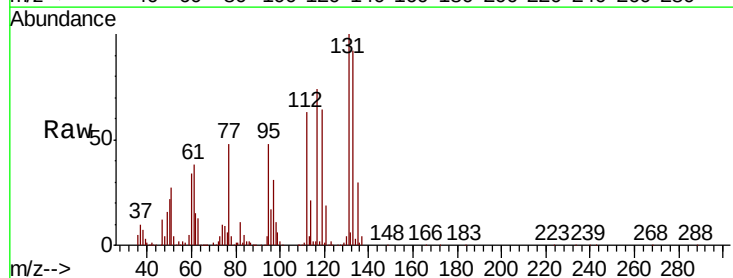
Manual Integrations
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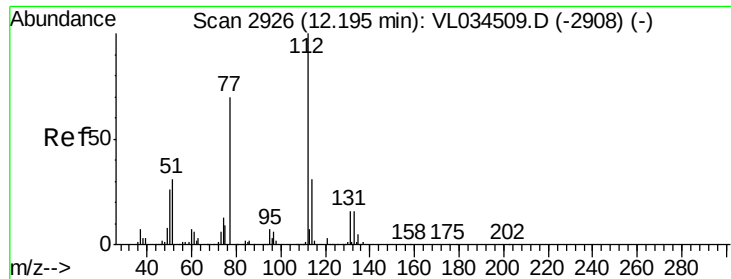
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.084 ppbv
RT: 12.17 min Scan# 2919
Delta R.T. 0.00 min
Lab File: VL034516.D
Acq: 30 Dec 2019 16:18

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.8	76.2	114.2
119	132.2	47.1	70.7#





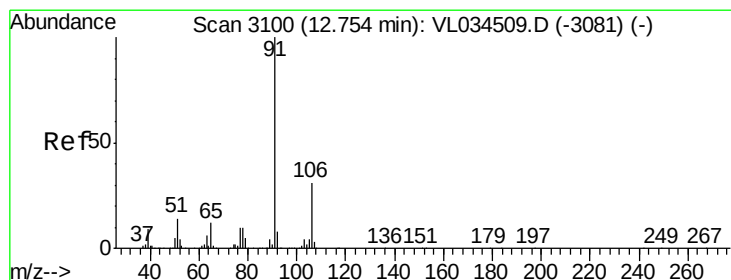
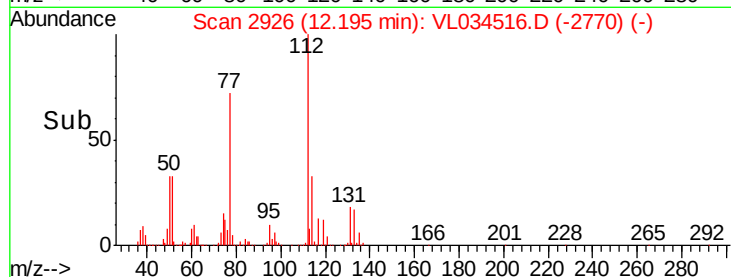
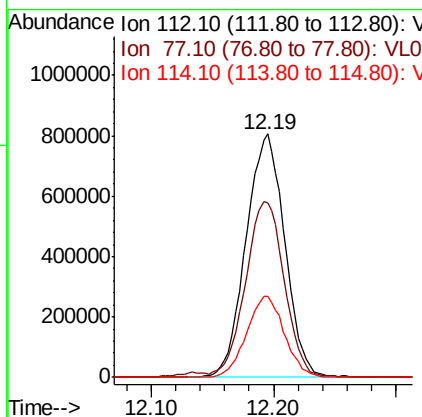
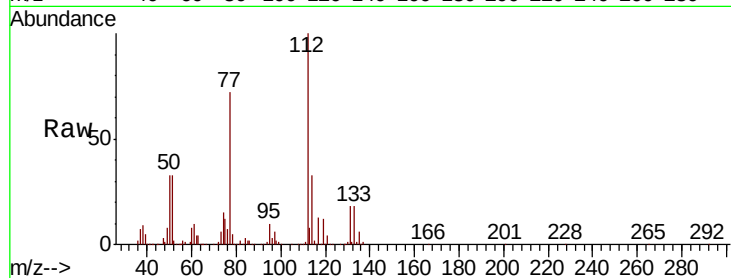
#57
Chlorobenzene
Concen: 9.120 ppbv
RT: 12.19 min Scan# 2926
Delta R.T. 0.00 min
Lab File: VL034516.D
Acq: 30 Dec 2019 16:18

Instrument :
MSVOA_L
ClientSampleId :
ICVVL123019

Tot Ion	Ratio	Lower	Upper
112	100		
77	71.5	57.4	86.0
114	33.3	28.4	34.8

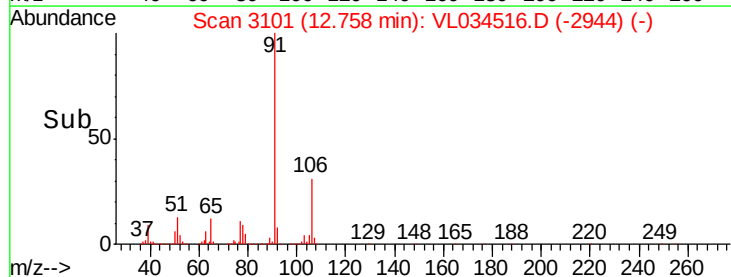
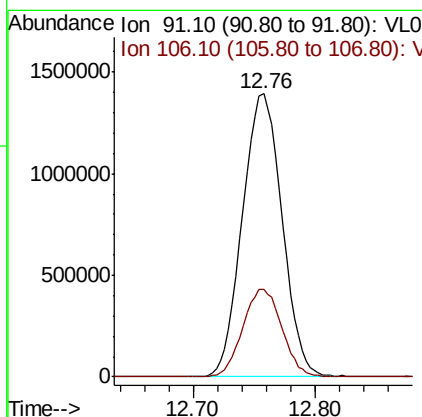
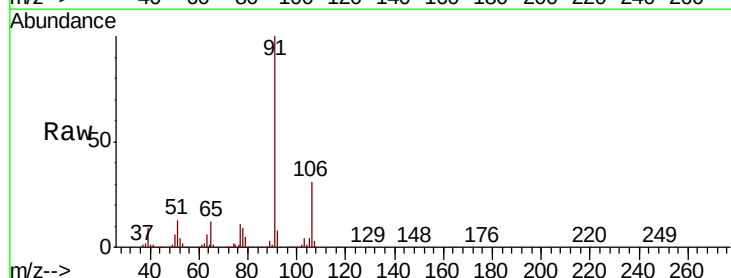
Manual Integrations
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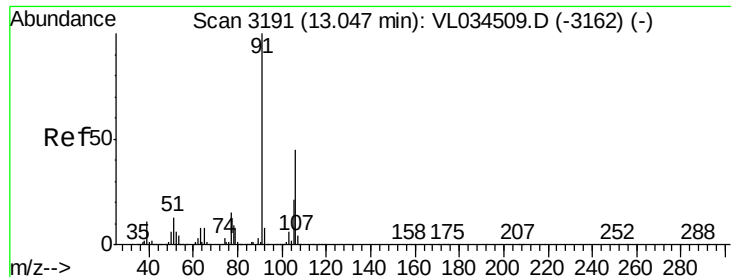
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#58
Ethyl Benzene
Concen: 9.942 ppbv
RT: 12.76 min Scan# 3101
Delta R.T. 0.00 min
Lab File: VL034516.D
Acq: 30 Dec 2019 16:18

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.7	24.6	36.8





#59

m/p-Xylene

Concen: 18.734 ppbv m

RT: 13.04 min Scan# 3190

Delta R.T. -0.00 min

Lab File: VL034516.D

Acq: 30 Dec 2019 16:18

Instrument :

MSVOA_L

ClientSampleId :

ICVVL123019

Tot Ion: 91 Resp: 5168068

Ion Ratio Lower Upper

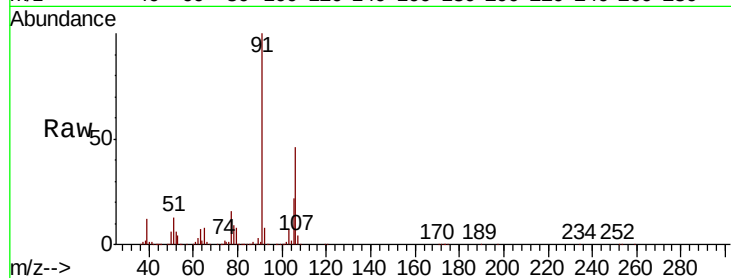
91 100

106 45.1 35.6 53.4

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Abundance Ion 91.10 (90.80 to 91.80): VL0

1500000 Ion 106.10 (105.80 to 106.80): V

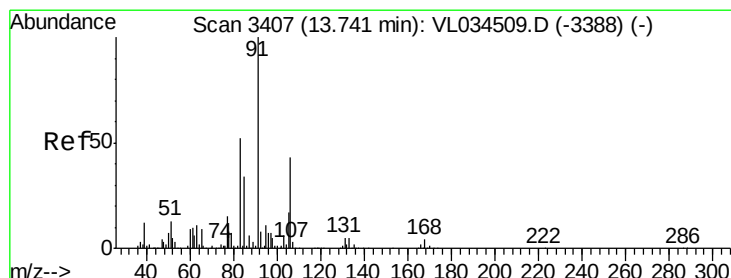
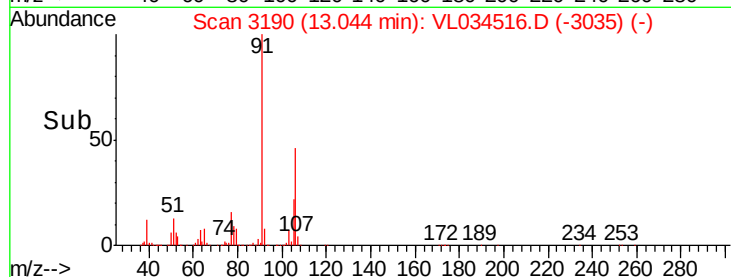
13.04

1000000

500000

0

Time-->



#60

o-Xylene

Concen: 9.373 ppbv

RT: 13.74 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VL034516.D

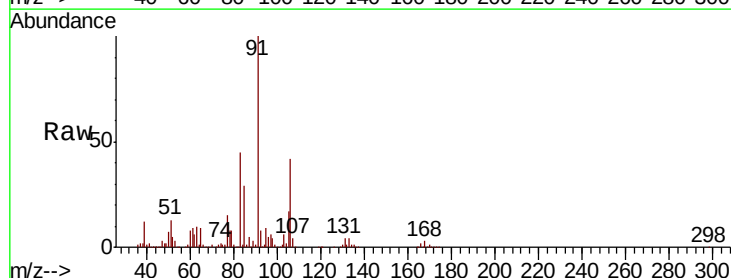
Acq: 30 Dec 2019 16:18

Tgt Ion: 91 Resp: 2594566

Ion Ratio Lower Upper

91 100

106 42.4 21.4 64.3



Abundance Ion 91.10 (90.80 to 91.80): VL0

1200000 Ion 106.10 (105.80 to 106.80): V

13.74

1000000

800000

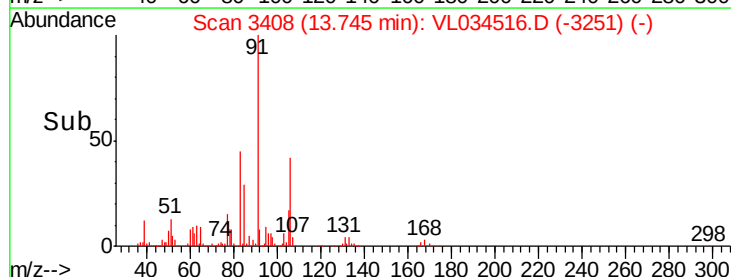
600000

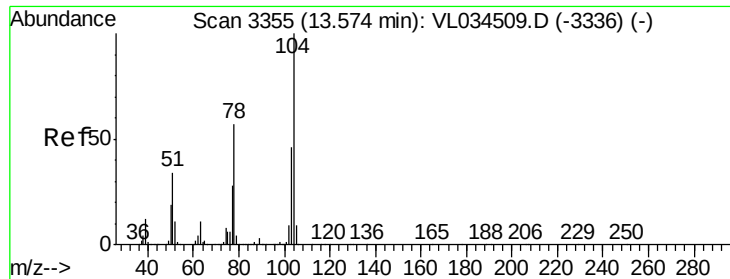
400000

200000

0

Time-->





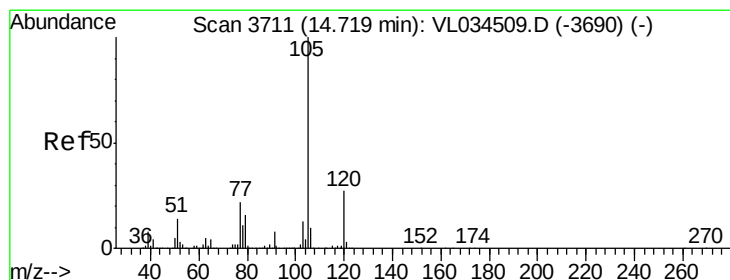
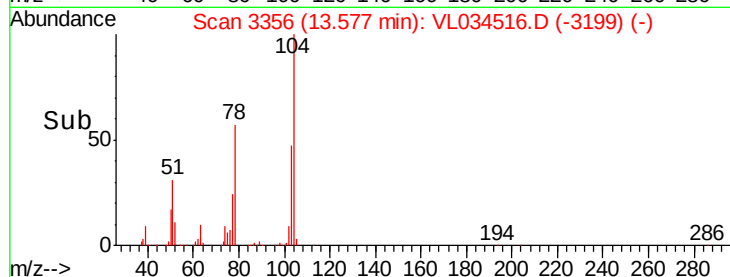
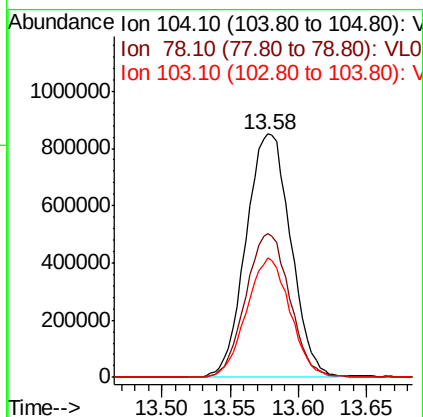
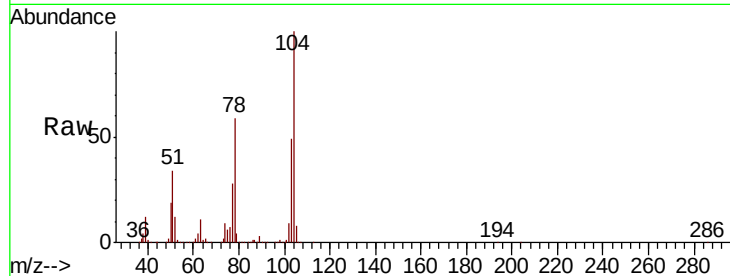
#61
Stvrene
Concen: 10.239 ppbv
RT: 13.58 min Scan# 3356
Delta R.T. 0.00 min
Lab File: VL034516.D
Acq: 30 Dec 2019 16:18

Instrument :
MSVOA_L
ClientSampleId :
ICVVL123019

Tot Ion:104 Resp: 1937854
Ion Ratio Lower Upper
104 100
78 58.6 47.7 71.5
103 48.1 38.6 58.0

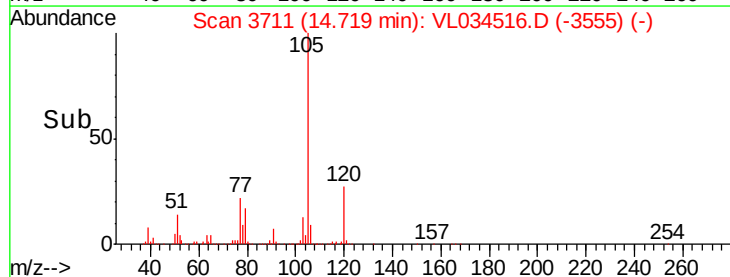
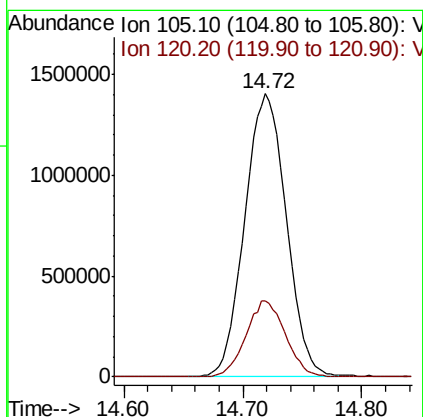
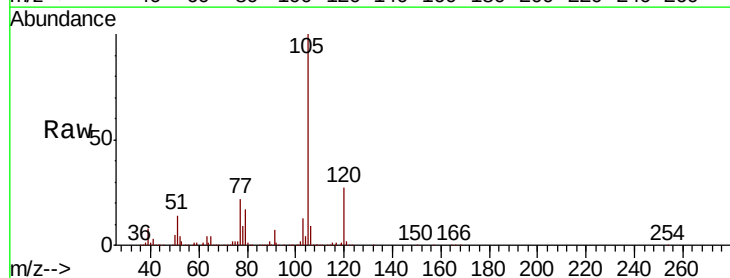
Manual Integrations
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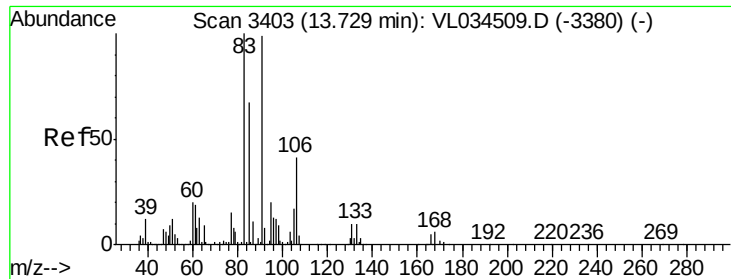
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#62
Isopropylbenzene
Concen: 9.359 ppbv
RT: 14.72 min Scan# 3711
Delta R.T. 0.00 min
Lab File: VL034516.D
Acq: 30 Dec 2019 16:18

Tgt Ion:105 Resp: 3388801
Ion Ratio Lower Upper
105 100
120 25.7 20.6 30.8





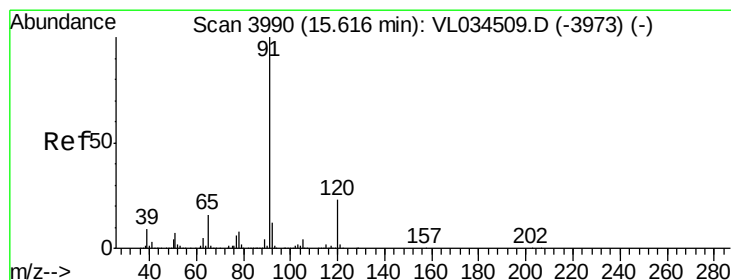
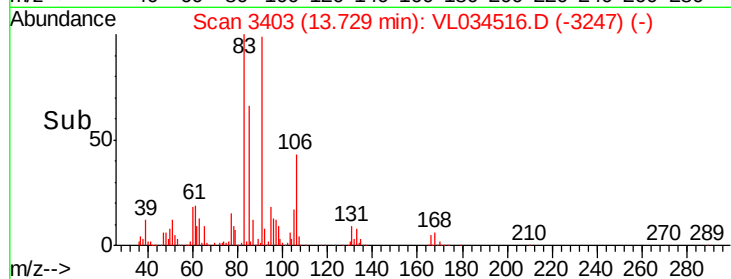
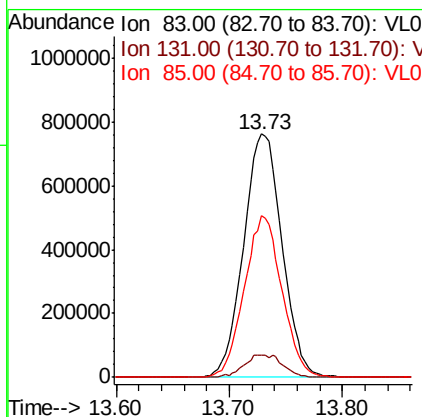
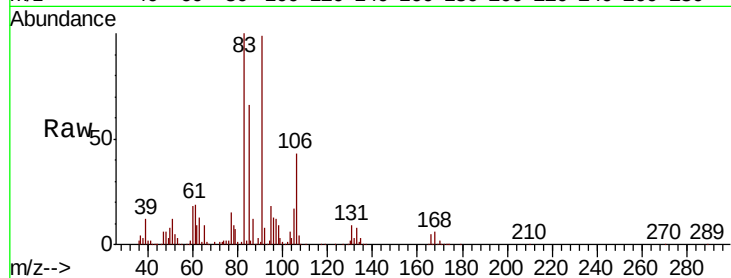
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.118 ppbv
 RT: 13.73 min Scan# 3403
 Delta R.T. 0.00 min
 Lab File: VL034516.D
 Acq: 30 Dec 2019 16:18

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL123019

Tot Ion	83	Resp	1802758
Ion Ratio	100	Lower	Upper
83	100		
131	9.4	4.8	14.4
85	64.9	32.5	97.4

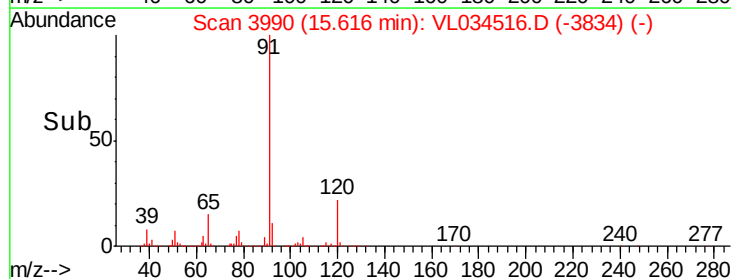
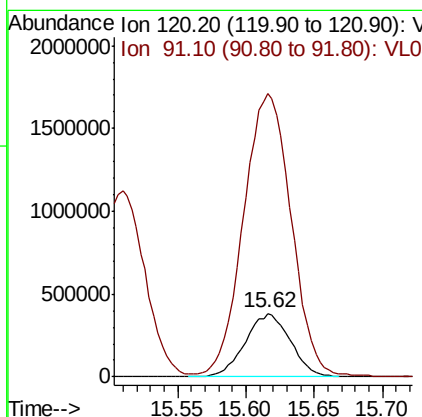
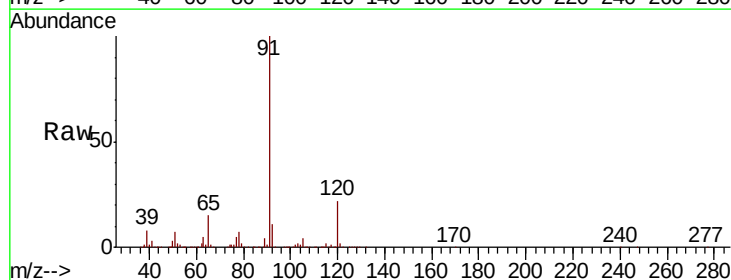
Manual Integrations
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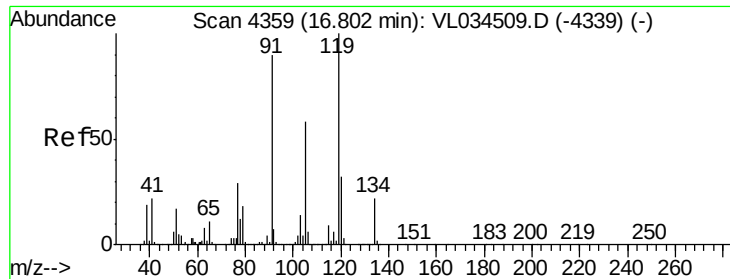
apatel
 1/2/2020 10:49:02 AM



#64
 n-propylbenzene
 Concen: 9.516 ppbv
 RT: 15.62 min Scan# 3990
 Delta R.T. 0.00 min
 Lab File: VL034516.D
 Acq: 30 Dec 2019 16:18

Tgt Ion	120	Resp	879881
Ion Ratio	100	Lower	Upper
120	100		
91	475.1	375.6	563.4





#65

tert-Butylbenzene

Concen: 9.097 ppbv

RT: 16.80 min Scan# 4359

Delta R.T. 0.00 min

Lab File: VL034516.D

Acq: 30 Dec 2019 16:18

Instrument :

MSVOA_L

ClientSampleId :

ICVVL123019

Tot Ion:119 Resp: 2975868

Ion Ratio Lower Upper

119 100

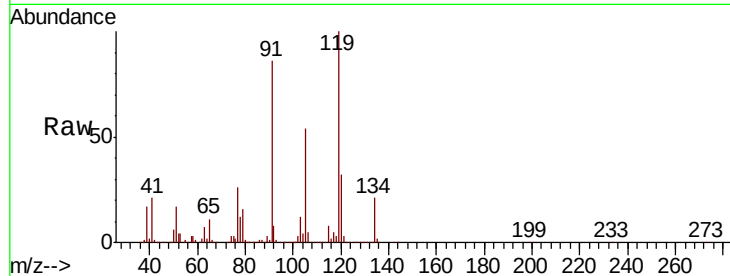
91 90.0 72.0 108.0

134 20.1 16.1 24.1

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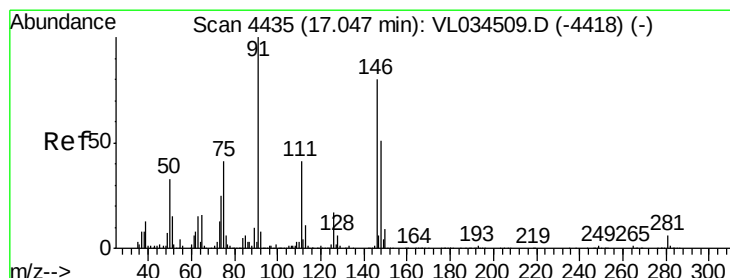
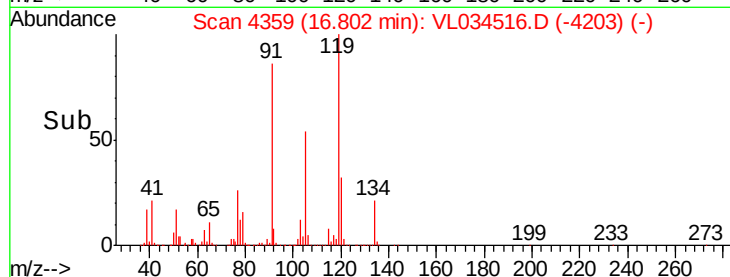
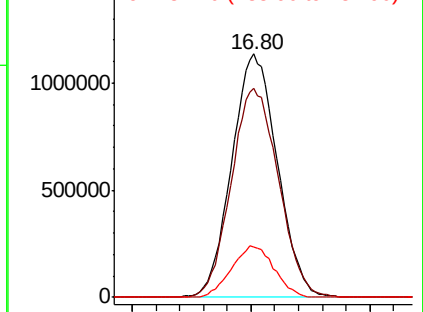
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Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 10.394 ppbv

RT: 17.05 min Scan# 4435

Delta R.T. 0.00 min

Lab File: VL034516.D

Acq: 30 Dec 2019 16:18

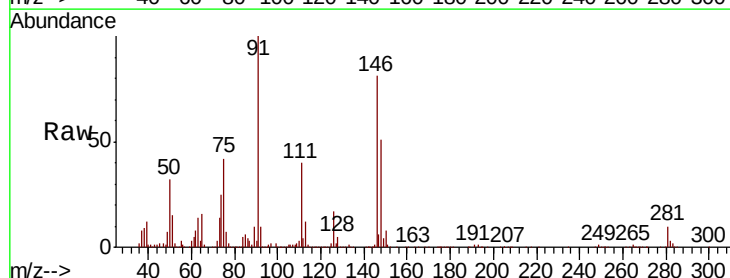
Tgt Ion: 91 Resp: 1490280

Ion Ratio Lower Upper

91 100

126 16.2 13.1 19.7

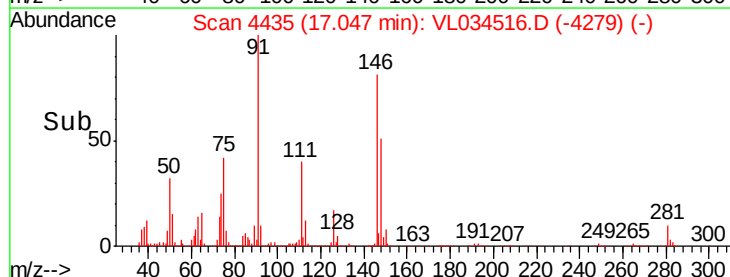
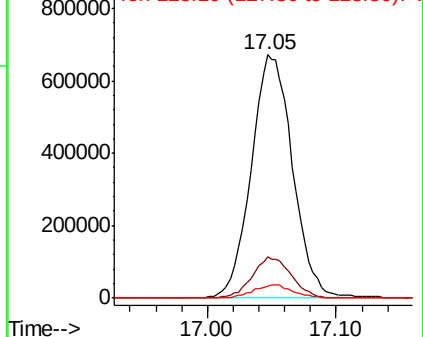
128 5.3 4.2 6.4

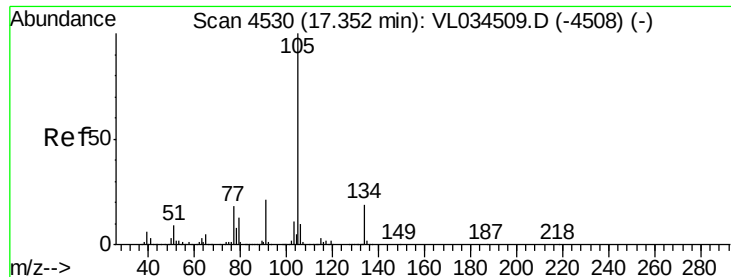


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 8.995 ppbv

RT: 17.35 min Scan# 4530

Delta R.T. 0.00 min

Lab File: VL034516.D

Acq: 30 Dec 2019 16:18

Instrument :

MSVOA_L

ClientSampleId :

ICVVL123019

Tot Ion: 105 Resp: 4132643

Ion Ratio Lower Upper

105 100

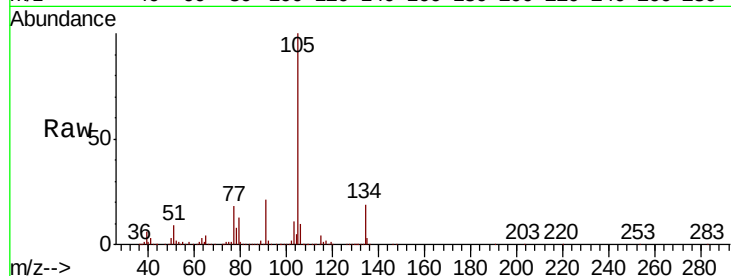
134 18.6 15.1 22.7

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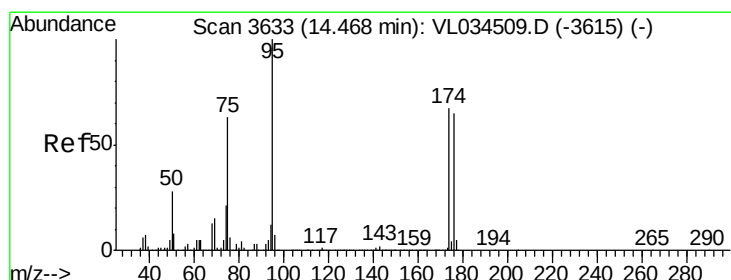
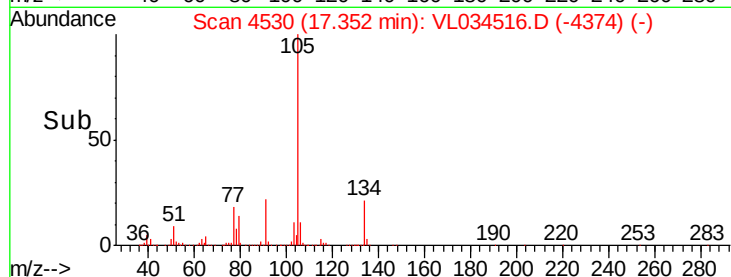
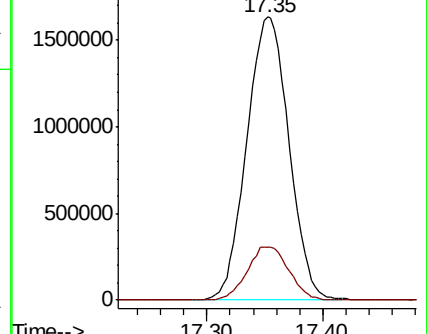
apatel

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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: 9.549 ppbv

RT: 14.47 min Scan# 3634

Delta R.T. 0.00 min

Lab File: VL034516.D

Acq: 30 Dec 2019 16:18

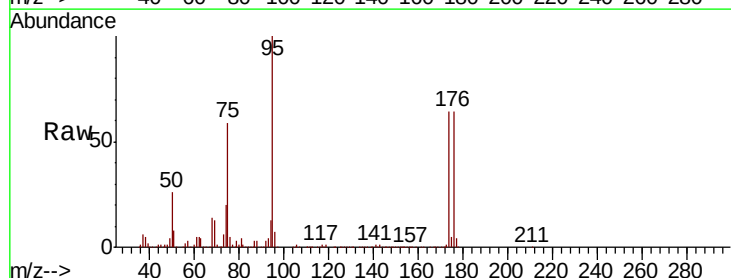
Tgt Ion: 95 Resp: 1863923

Ion Ratio Lower Upper

95 100

174 66.2 52.4 78.6

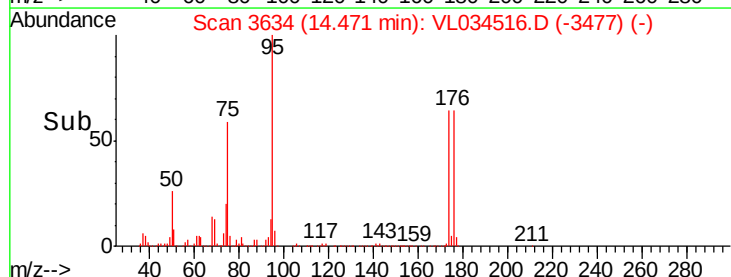
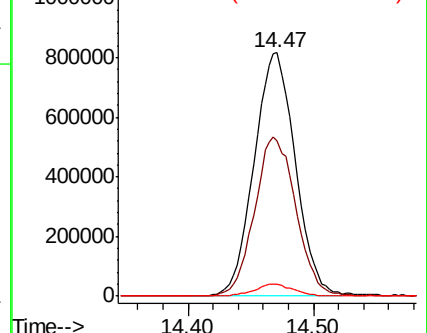
175 4.8 3.9 5.9

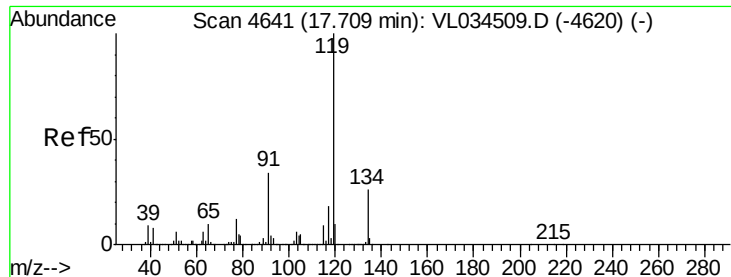


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





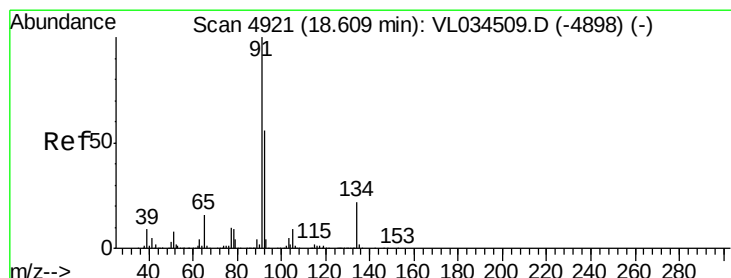
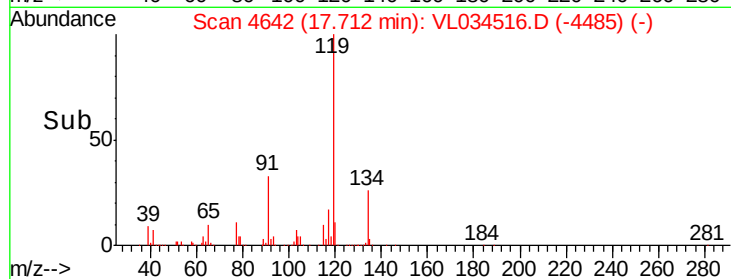
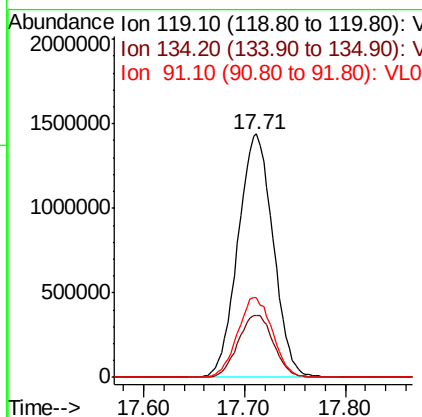
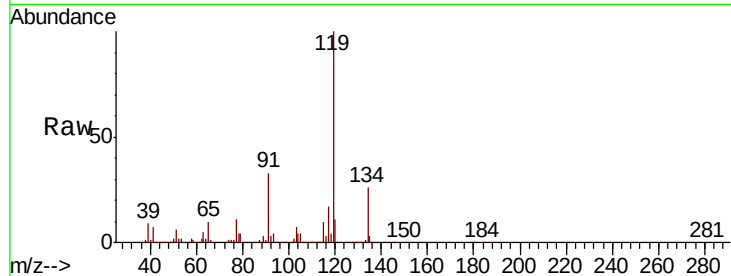
#69
 p-Isopropyltoluene
 Concen: 9.306 ppbv
 RT: 17.71 min Scan# 4642
 Delta R.T. 0.00 min
 Lab File: VL034516.D
 Acq: 30 Dec 2019 16:18

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL123019

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.8	20.7	31.1
91	32.7	26.6	39.8

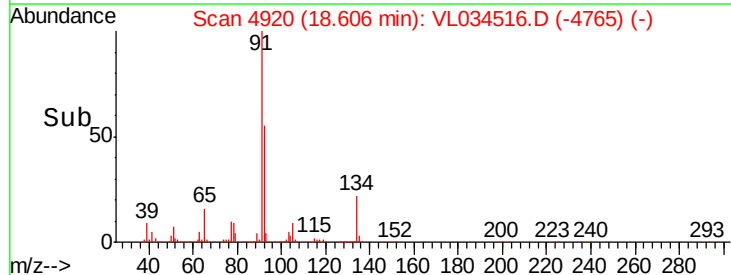
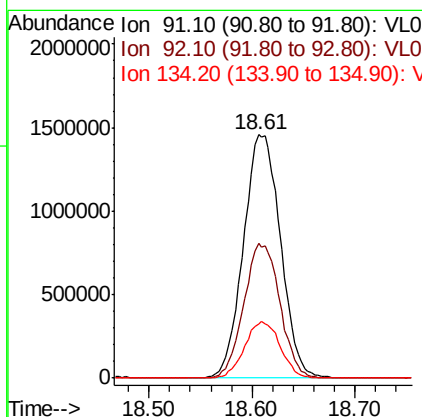
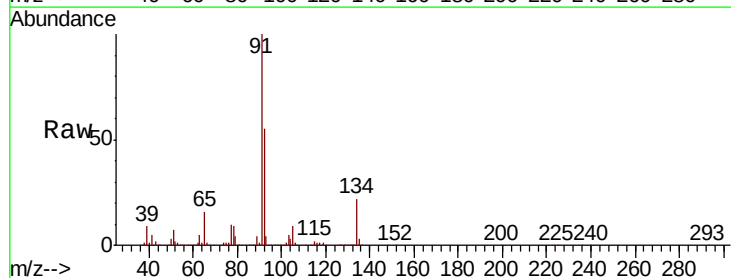
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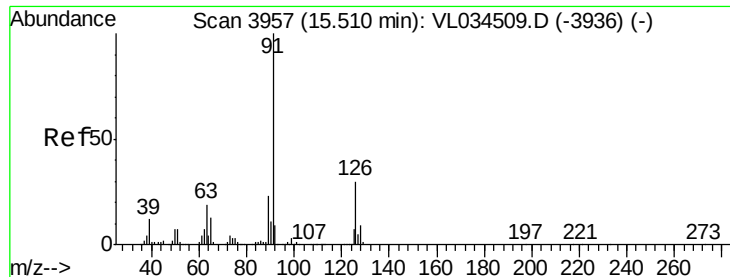
apatel
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#70
 n-Butylbenzene
 Concen: 9.043 ppbv
 RT: 18.61 min Scan# 4920
 Delta R.T. -0.00 min
 Lab File: VL034516.D
 Acq: 30 Dec 2019 16:18

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.9	43.8	65.6
134	22.3	18.0	27.0





#71

2-Chlorotoluene

Concen: 9.409 ppbv

RT: 15.51 min Scan# 3957

Delta R.T. 0.00 min

Lab File: VL034516.D

Acq: 30 Dec 2019 16:18

Instrument :

MSVOA_L

ClientSampleId :

ICVVL123019

Tot Ion: 91 Resp: 2645818

Ion Ratio Lower Upper

91 100

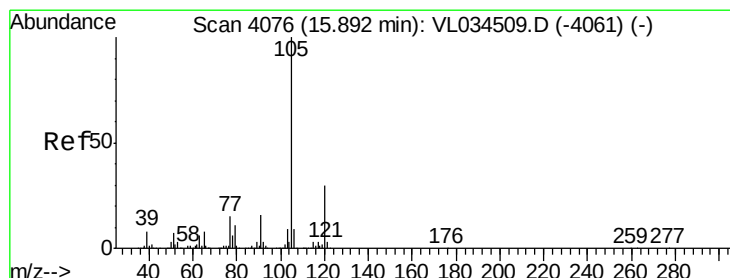
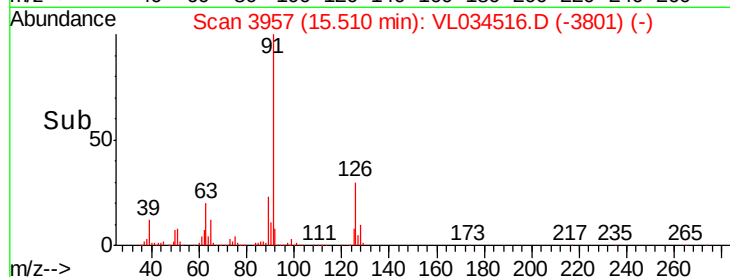
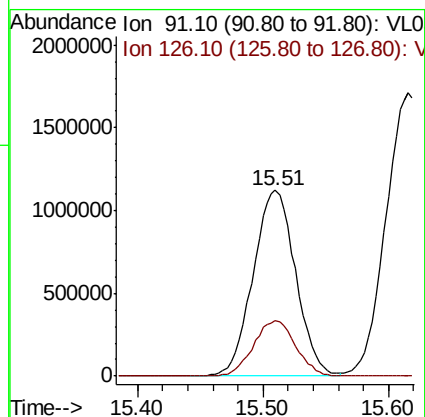
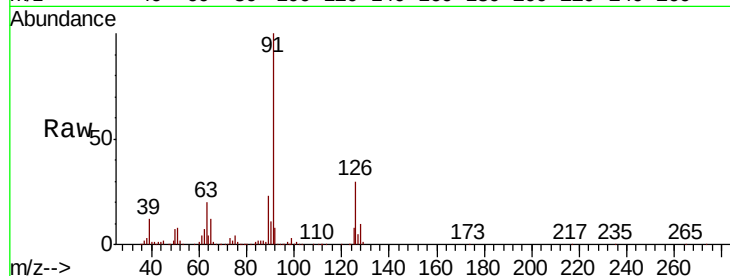
126 29.9 12.0 47.8

Manual Integrations

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#72

4-Ethyltoluene

Concen: 9.536 ppbv

RT: 15.90 min Scan# 4077

Delta R.T. 0.00 min

Lab File: VL034516.D

Acq: 30 Dec 2019 16:18

Tgt Ion: 105 Resp: 2953841

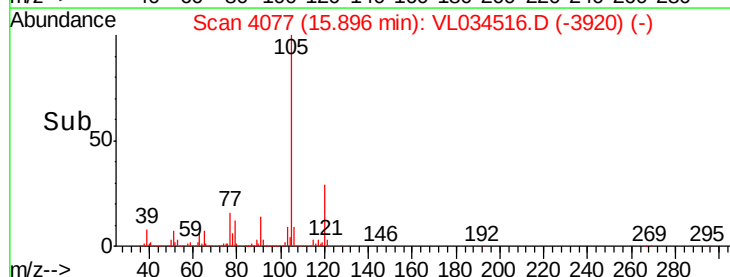
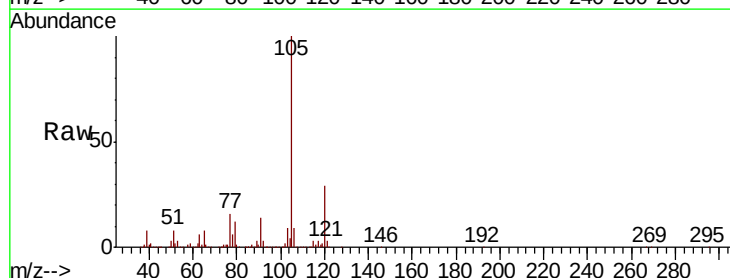
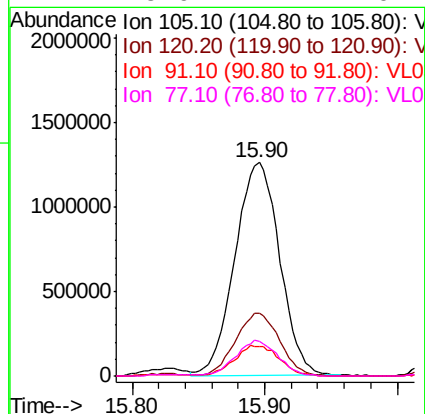
Ion Ratio Lower Upper

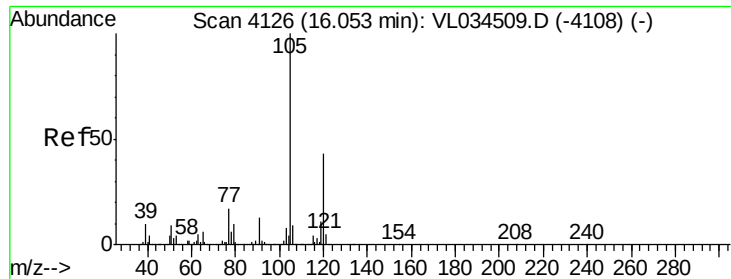
105 100

120 29.5 23.7 35.5

91 14.2 11.5 17.3

77 15.9 12.7 19.1





#73

1,3,5-Trimethylbenzene

Concen: 9.377 ppbv

RT: 16.05 min Scan# 4126

Delta R.T. 0.00 min

Lab File: VL034516.D

Acq: 30 Dec 2019 16:18

Instrument :

MSVOA_L

ClientSampled :

ICVVL123019

Tot Ion:105 Resp: 2849773

Ion Ratio Lower Upper

105 100

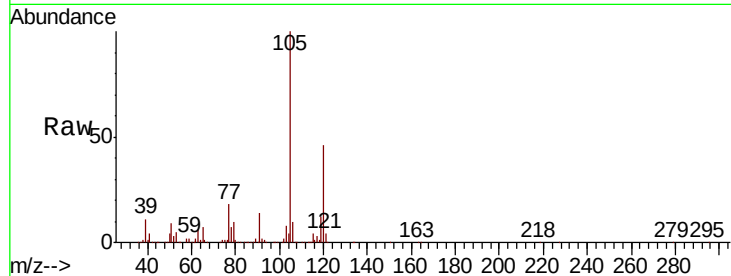
120 46.2 34.6 52.0

Manual Integrations

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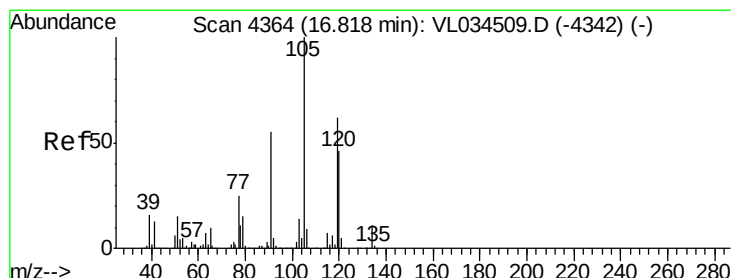
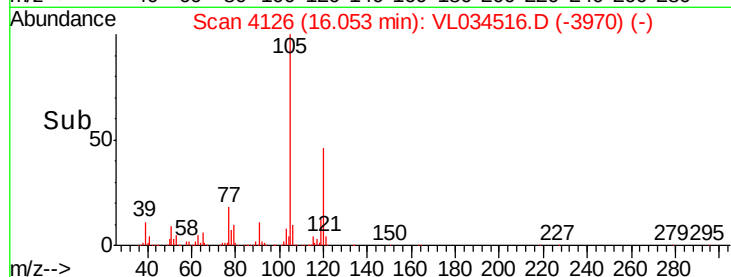
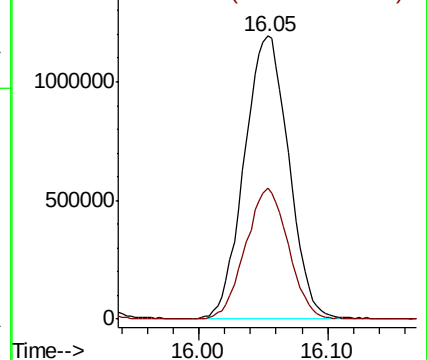
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 8.976 ppbv

RT: 16.82 min Scan# 4366

Delta R.T. 0.01 min

Lab File: VL034516.D

Acq: 30 Dec 2019 16:18

Tgt Ion:105 Resp: 2918000

Ion Ratio Lower Upper

105 100

120 44.3 36.7 55.1

91 41.2 44.0 66.0#

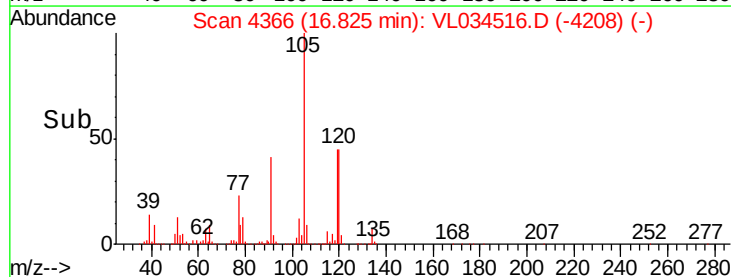
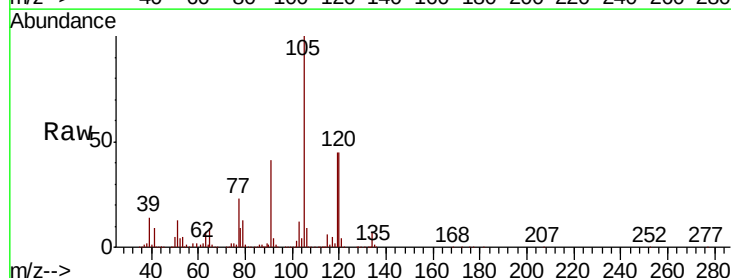
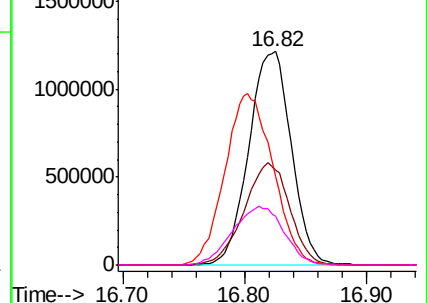
77 22.7 19.9 29.9

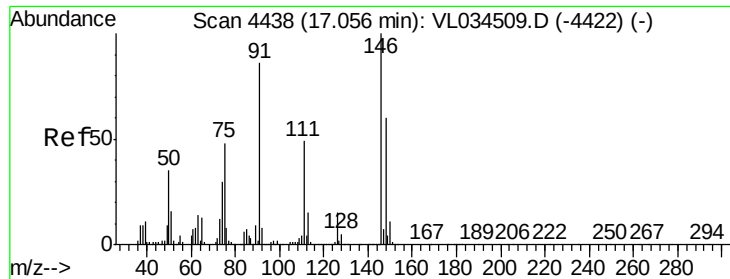
Abundance Ion 105.10 (104.80 to 105.80): V

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





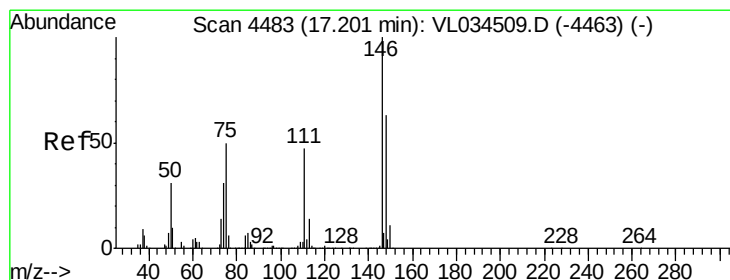
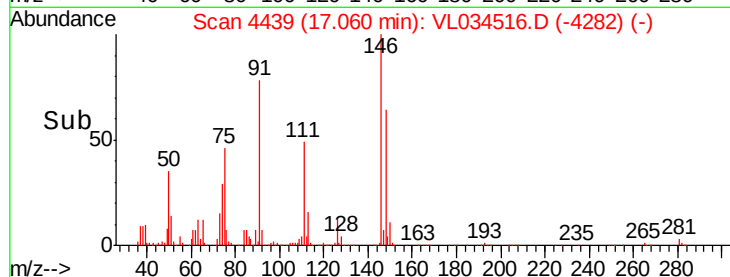
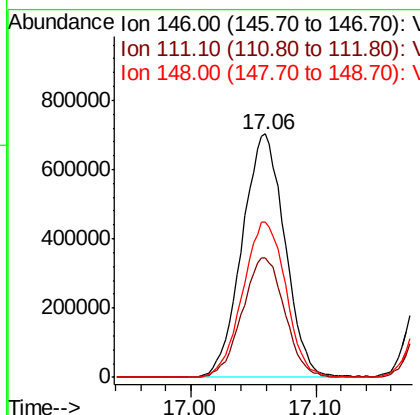
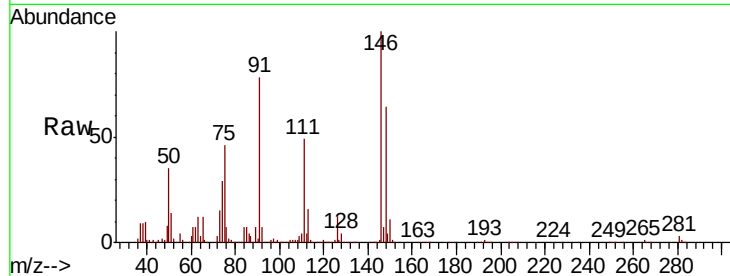
#75
 1,3-Dichlorobenzene
 Concen: 8.500 ppbv
 RT: 17.06 min Scan# 4439
 Delta R.T. 0.00 min
 Lab File: VL034516.D
 Acq: 30 Dec 2019 16:18

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL123019

Tot Ion	Ratio	Lower	Upper
146	100		
111	49.0	25.1	75.3
148	64.7	33.0	99.0

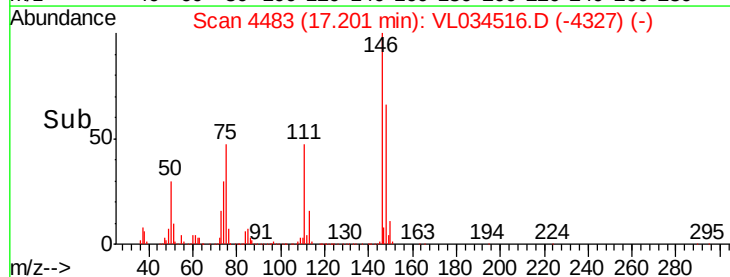
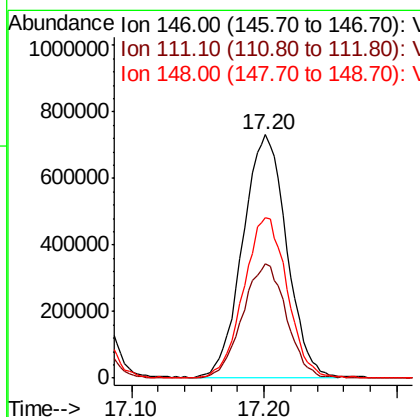
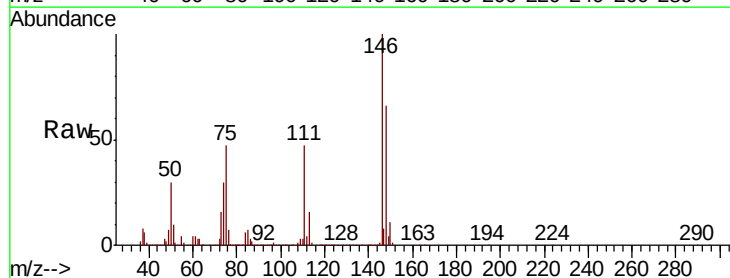
Manual Integrations
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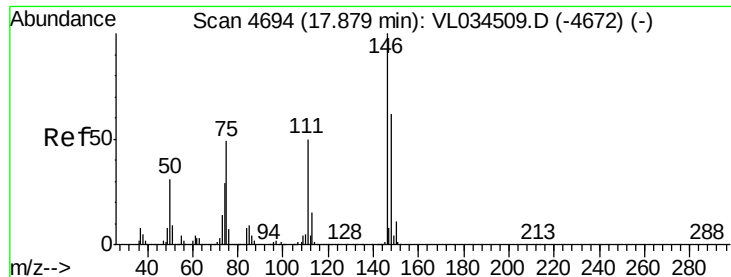
apatel
 1/2/2020 10:49:02 AM



#76
 1,4-Dichlorobenzene
 Concen: 8.954 ppbv
 RT: 17.20 min Scan# 4483
 Delta R.T. 0.00 min
 Lab File: VL034516.D
 Acq: 30 Dec 2019 16:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.1	23.5	70.6
148	66.0	32.1	96.3





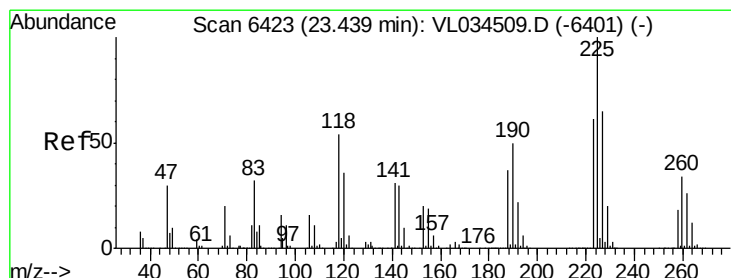
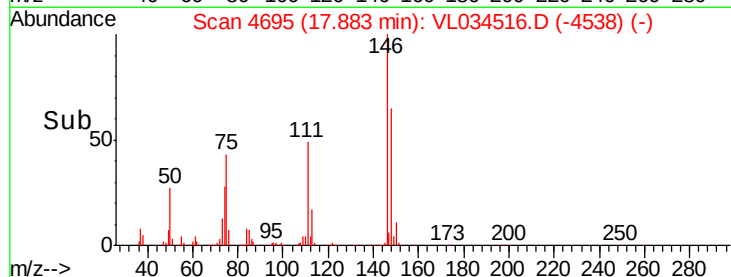
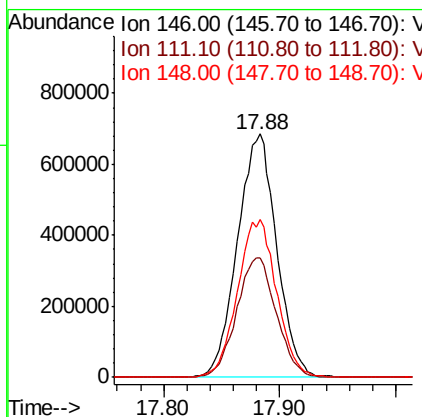
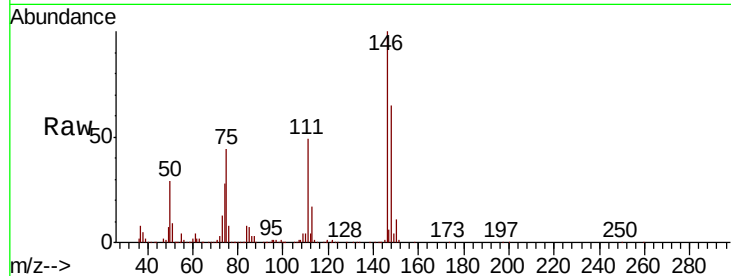
#77
 1,2-Dichlorobenzene
 Concen: 8.788 ppbv
 RT: 17.88 min Scan# 4695
 Delta R.T. 0.00 min
 Lab File: VL034516.D
 Acq: 30 Dec 2019 16:18

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL123019

Tot Ion:146 Resp: 1608078
 Ion Ratio Lower Upper
 146 100
 111 49.6 25.3 75.8
 148 64.7 32.1 96.3

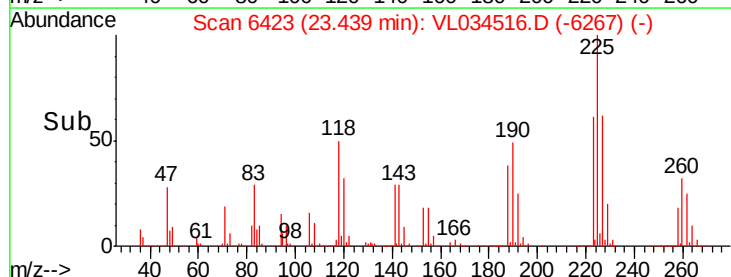
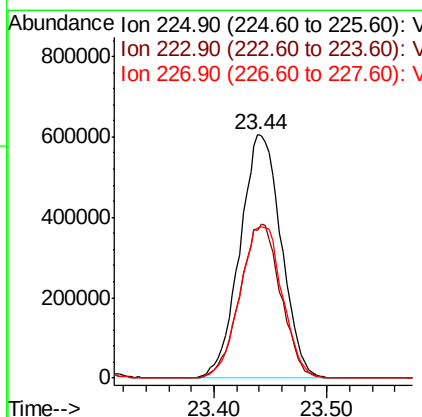
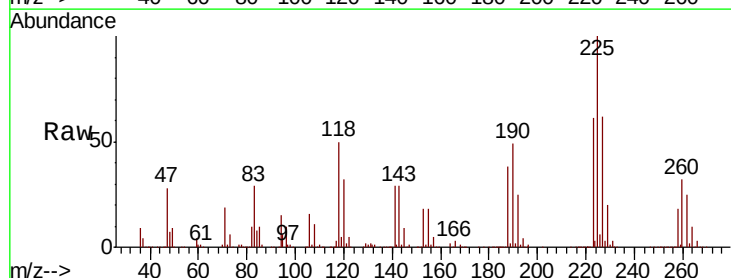
Manual Integrations
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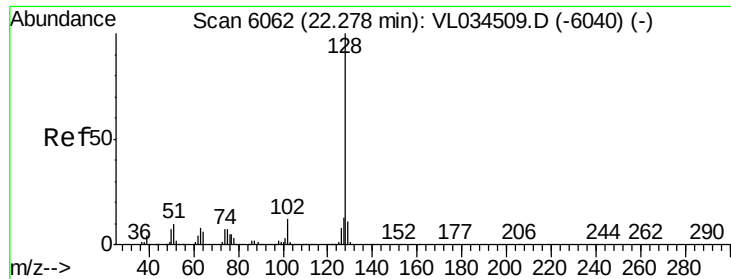
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#78
 Hexachloro-1,3-Butadiene
 Concen: 8.832 ppbv
 RT: 23.44 min Scan# 6423
 Delta R.T. 0.00 min
 Lab File: VL034516.D
 Acq: 30 Dec 2019 16:18

Tgt Ion:225 Resp: 1534191
 Ion Ratio Lower Upper
 225 100
 223 62.7 51.0 76.6
 227 64.2 51.8 77.6





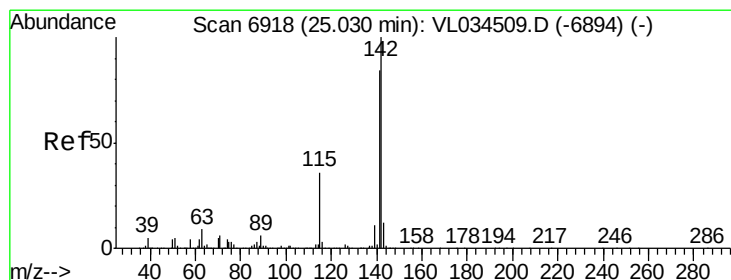
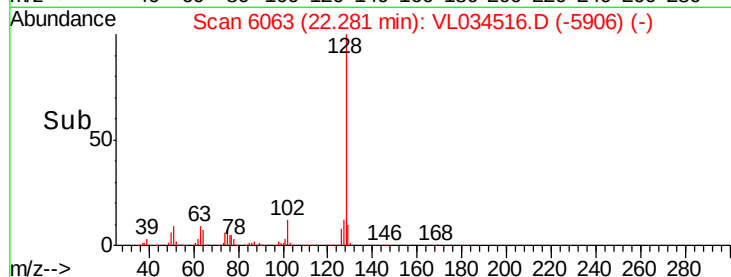
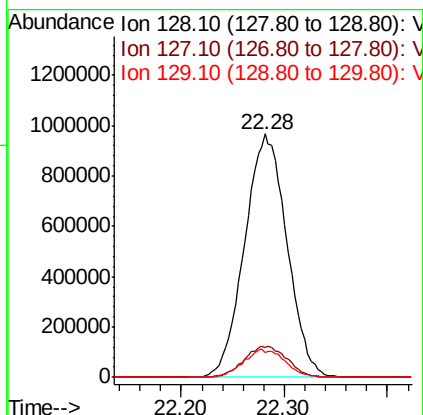
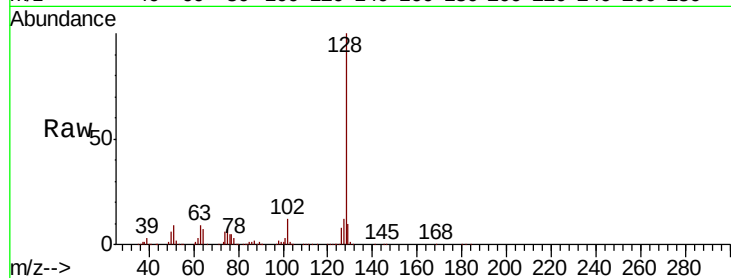
#79
Naphthalene
Concen: 11.251 ppbv
RT: 22.28 min Scan# 6063
Delta R.T. 0.00 min
Lab File: VL034516.D
Acq: 30 Dec 2019 16:18

Instrument :
MSVOA_L
ClientSampleId :
ICVVL123019

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.6	15.8
129	10.4	8.7	13.1

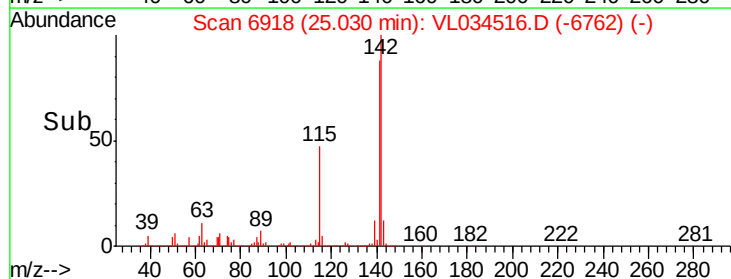
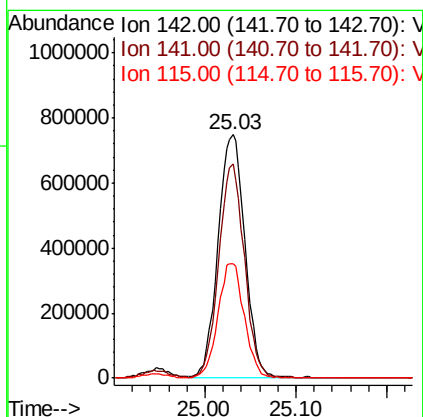
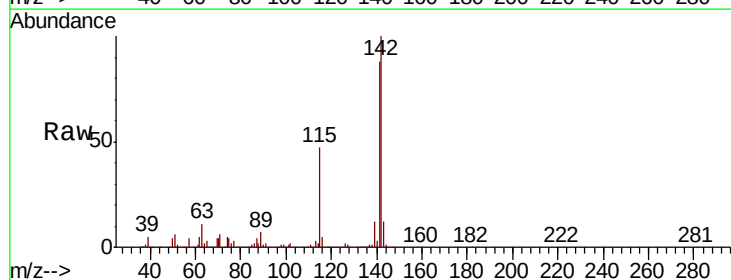
Manual Integrations
APPROVED

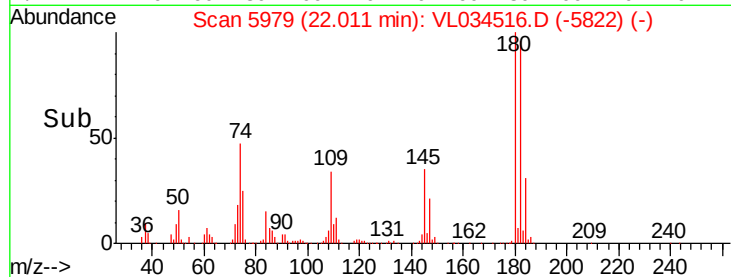
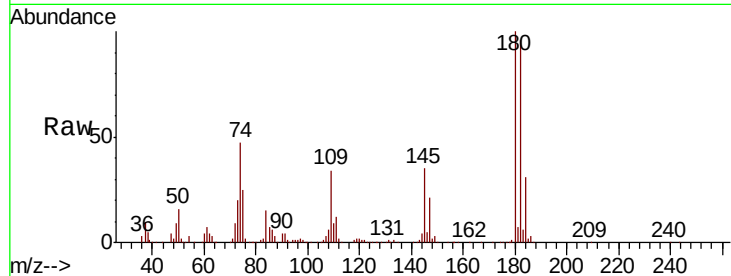
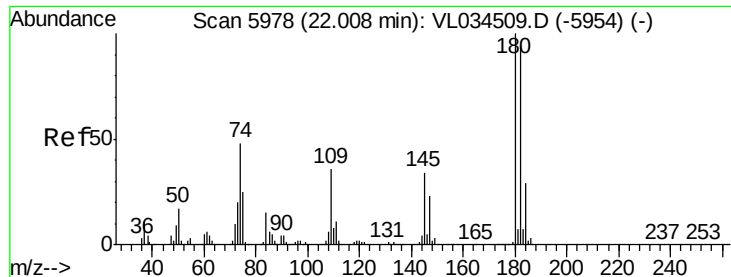
apatel
1/2/2020 10:49:02 AM



#80
Naphthalene, 2-methyl-
Concen: 22.559 ppbv
RT: 25.03 min Scan# 6918
Delta R.T. 0.00 min
Lab File: VL034516.D
Acq: 30 Dec 2019 16:18

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.5	65.8	98.8
115	46.4	30.4	45.6





#81
 1,2,4-Trichlorobenzene
 Concen: 10.284 ppbv
 RT: 22.01 min Scan# 5979
 Delta R.T. 0.00 min
 Lab File: VL034516.D
 Acq: 30 Dec 2019 16:18

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL123019

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	77.8	116.8
184	31.2	25.2	37.8

Manual Integrations
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