

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL021820\
 Data File : VL034619.D
 Acq On : 18 Feb 2020 9:57
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 2/21/2020 3:25:19 PM

Quant Time: Feb 19 06:11:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL013020AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 30 2020
 QLast Update : Thu Jan 30 17:16:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1001326	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2052325	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2177928	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	1844919	10.02	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.01	85	2101813	9.530	ppbv	98
3) Chlorodifluoromethane	2.95	51	1168418	9.657	ppbv	99
4) Chloromethane	3.11	50	714321	9.649	ppbv	99
5) Vinyl Chloride	3.22	62	690296	9.762	ppbv	98
6) Bromomethane	3.44	94	364324	9.906	ppbv	96
7) Chloroethane	3.53	64	256444	9.752	ppbv	96
8) Dichlorotetrafluoroethane	3.15	85	1656945	9.612	ppbv	99
9) Propene	2.97	41	462872	9.826	ppbv	99
10) Heptane	8.13	43	1241799	10.474	ppbv	100
11) Trichlorofluoromethane	3.92	101	1978884	9.877	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1311408	10.032	ppbv	100
13) Ethanol	3.58	45	99849	7.913	ppbv	97
14) Bromoethene	3.71	108	529998	10.336	ppbv	99
15) Acetone	3.82	43	1380959	9.384	ppbv	99
16) 1,3-Butadiene	3.29	39	608839	10.418	ppbv	99
17) tert-Butyl alcohol	4.27	59	1111258	10.268	ppbv	99
18) 1,1-Dichloroethene	4.27	96	582492	10.556	ppbv	97
19) Isopropyl Alcohol	3.95	45	850110	9.899	ppbv	# 99
20) Methylene Chloride	4.32	84	512784	9.151	ppbv	94
21) Allyl Chloride	4.39	41	958732	10.490	ppbv	99
22) trans-1,2-Dichloroethene	4.87	96	605274	10.473	ppbv	94
23) Vinyl Acetate	5.06	43	1736346	10.342	ppbv	99
24) 1,1-Dichloroethane	5.00	63	1385237	9.882	ppbv	99
25) Ethyl Acetate	5.67	43	2316790	9.724	ppbv	100
26) Hexane	5.68	57	976430	9.784	ppbv	99
27) Carbon Disulfide	4.53	76	1510138	11.215	ppbv	100
28) Methyl tert-Butyl Ether	5.02	73	1765431	10.373	ppbv	99
29) Chloroform	5.75	83	1677807	9.508	ppbv	97
30) Cyclohexane	7.14	84	777575	10.515	ppbv	100
31) cis-1,2-Dichloroethene	5.54	61	1075783	10.376	ppbv	98
32) 1,1,1-Trichloroethane	6.52	97	1779003	9.389	ppbv	100
34) 2-Butanone	5.24	43	1465406	9.834	ppbv	100
35) Carbon Tetrachloride	7.03	117	1953041	9.954	ppbv	95
36) Benzene	6.90	78	1864108	10.214	ppbv	98
37) 1,2-Dichloroethane	6.31	62	1502861	9.870	ppbv	100
38) Trichloroethene	7.85	130	809450	10.521	ppbv	98
39) 1,2-Dichloropropane	7.62	63	752216	9.942	ppbv	97
40) 1,4-Dioxane	7.84	88	299833	10.309	ppbv	95
41) Tetrahydrofuran	6.04	42	796581	10.247	ppbv	98
42) Bromodichloromethane	7.81	83	1901634	10.147	ppbv	97
43) Methyl Methacrylate	8.03	69	797785	10.868	ppbv	97

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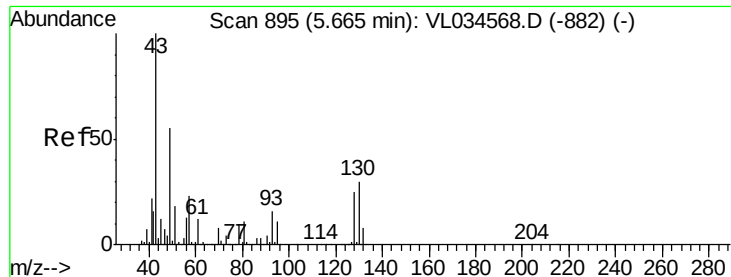
Manual Integrations
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Quant Time: Feb 19 06:11:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL013020AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 30 2020
 QLast Update : Thu Jan 30 17:16:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	3331651	10.061	ppbv	99
45) t-1,3-Dichloropropene	9.30	75	1149685	11.961	ppbv	98
46) cis-1,3-Dichloropropene	8.72	75	1257314	11.508	ppbv	98
47) 1,1,2-Trichloroethane	9.50	97	817117	9.971	ppbv	96
48) Dibromochloromethane	10.33	129	1620474	10.791	ppbv	100
49) Bromoform	13.07	173	1451372	11.009	ppbv	100
50) 4-Methyl-2-Pentanone	8.76	43	2164111	10.184	ppbv	100
51) 2-Hexanone	10.15	43	1827207	10.923	ppbv #	99
52) Tetrachloroethene	11.25	164	743995	10.147	ppbv	97
53) Toluene	9.83	91	2204224	10.994	ppbv	100
54) 1,2-Dibromoethane	10.64	107	1264774	10.299	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.16	131	1062107	9.878	ppbv	100
57) Chlorobenzene	12.18	112	1777535	9.918	ppbv	96
58) Ethyl Benzene	12.74	91	3049338	10.463	ppbv	97
59) m/p-Xylene	13.03	91	5230524m	20.303	ppbv	
60) o-Xylene	13.73	91	2623062	10.138	ppbv	99
61) Styrene	13.56	104	1905829	11.047	ppbv	99
62) Isopropylbenzene	14.70	105	3365299	10.037	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.72	83	1799764	8.994	ppbv	99
64) n-propylbenzene	15.60	120	871237	10.100	ppbv	94
65) tert-Butylbenzene	16.78	119	3021429	9.947	ppbv	99
66) Benzyl Chloride	17.03	91	1484272	11.653	ppbv	100
67) sec-Butylbenzene	17.33	105	4117146	9.863	ppbv	99
69) p-Isopropyltoluene	17.69	119	3437258	10.141	ppbv	100
70) n-Butylbenzene	18.59	91	3575734	9.938	ppbv	100
71) 2-Chlorotoluene	15.49	91	2619180	10.291	ppbv	99
72) 4-Ethyltoluene	15.88	105	2944071	10.359	ppbv	99
73) 1,3,5-Trimethylbenzene	16.03	105	2829955	10.190	ppbv	98
74) 1,2,4-Trimethylbenzene	16.80	105	2956566	9.617	ppbv	92
75) 1,3-Dichlorobenzene	17.04	146	1664433	9.403	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	1654257	9.482	ppbv	99
77) 1,2-Dichlorobenzene	17.86	146	1570353	9.235	ppbv	99
78) Hexachloro-1,3-Butadiene	23.42	225	1463787	9.001	ppbv	100
79) Naphthalene	22.26	128	2494659	10.307	ppbv	99
80) Naphthalene, 2-methyl-	25.01	142	1272931	13.671	ppbv	99
81) 1,2,4-Trichlorobenzene	21.99	180	1519991	10.187	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.00 min

Lab File: VL034619.D

Acq: 18 Feb 2020 9:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 49 Resp: 1001326

Ion Ratio Lower Upper

49 100

128 45.8 22.7 68.1

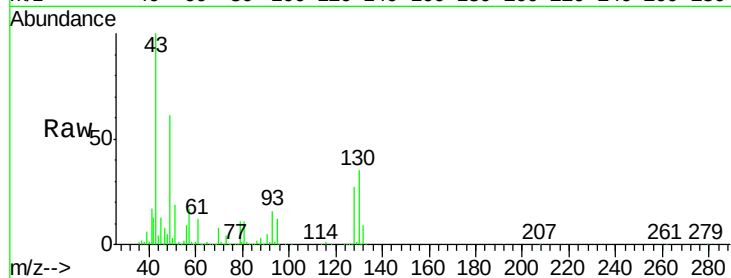
130 59.5 28.6 85.8

Manual Integrations

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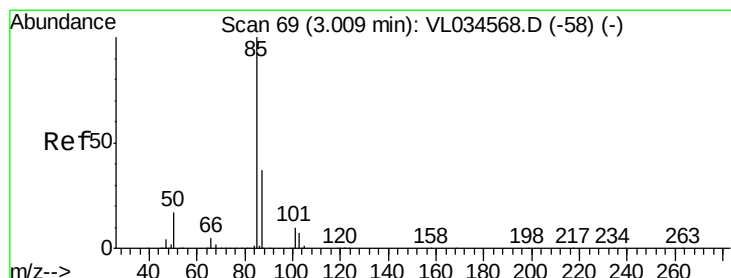
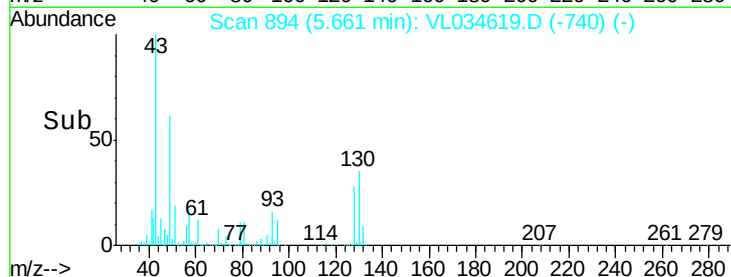
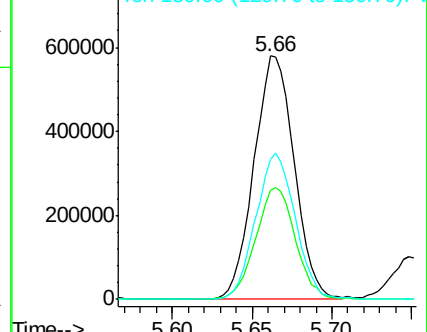
2/21/2020 3:25:19 PM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 9.530 ppbv

RT: 3.01 min Scan# 70

Delta R.T. 0.00 min

Lab File: VL034619.D

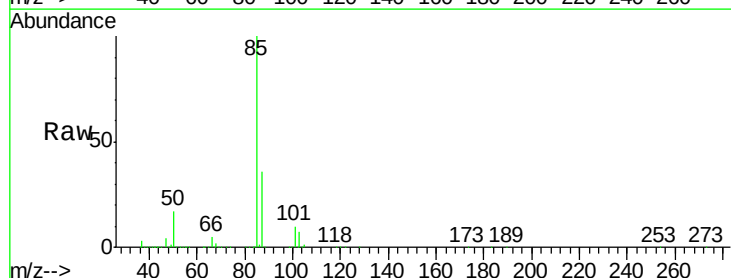
Acq: 18 Feb 2020 9:57

Tgt Ion: 85 Resp: 2101813

Ion Ratio Lower Upper

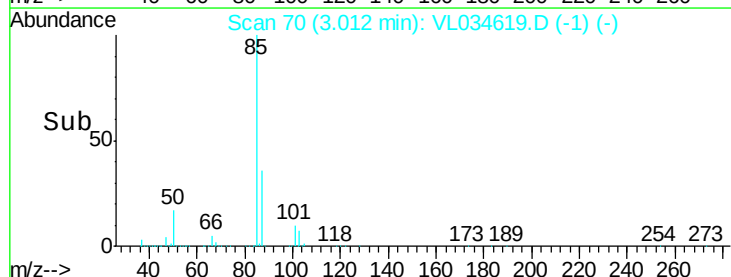
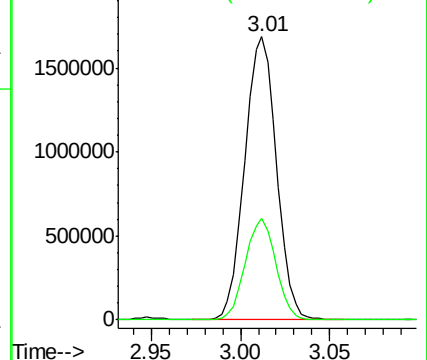
85 100

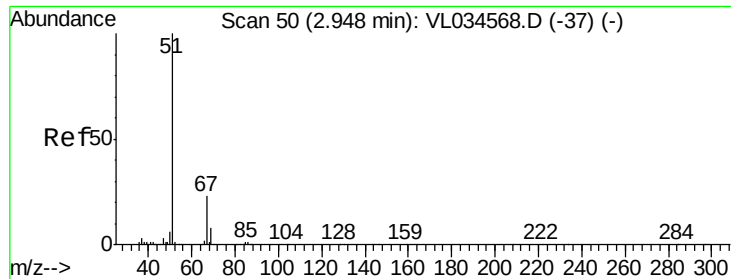
87 35.8 29.5 44.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.657 ppbv

RT: 2.95 min Scan# 51

Delta R.T. 0.00 min

Lab File: VL034619.D

Acq: 18 Feb 2020 9:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 51 Resp: 1168418

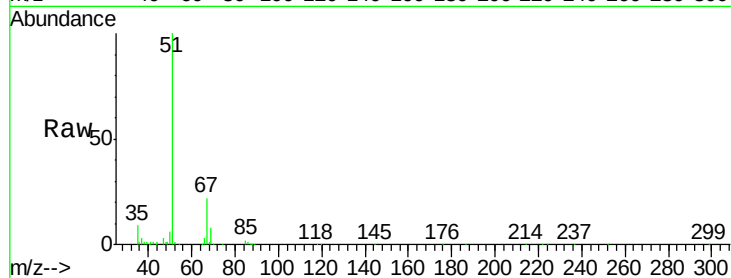
Ion Ratio Lower Upper

51 100

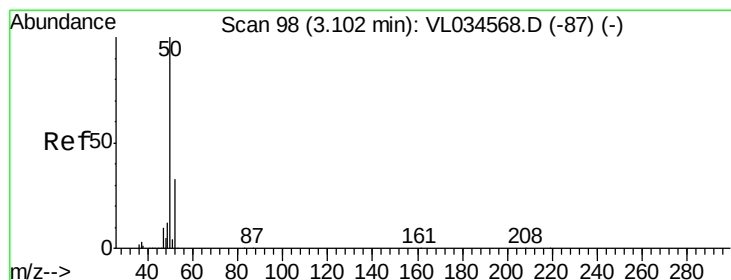
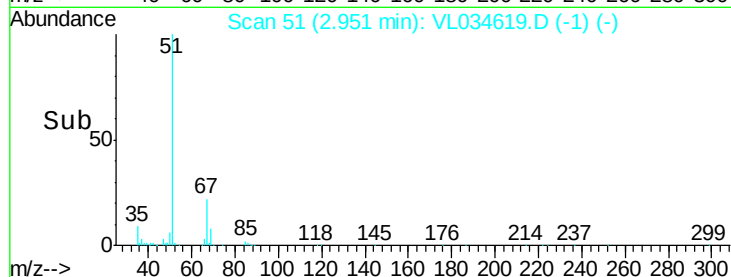
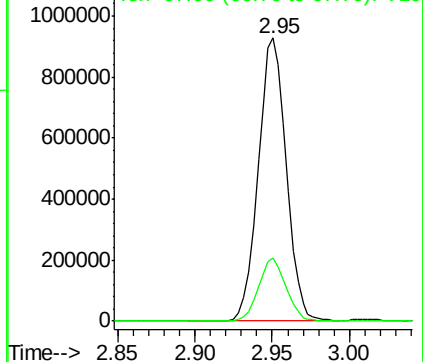
67 21.7 17.8 26.8

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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: 9.649 ppbv

RT: 3.11 min Scan# 99

Delta R.T. 0.00 min

Lab File: VL034619.D

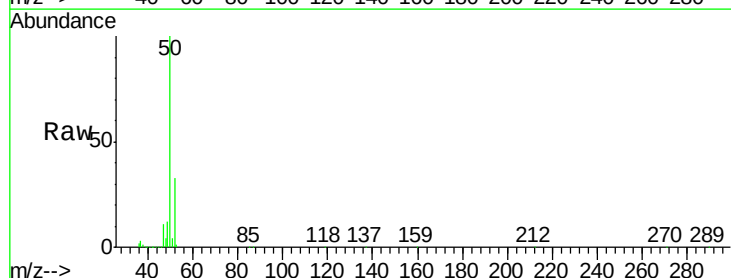
Acq: 18 Feb 2020 9:57

Tgt Ion: 50 Resp: 714321

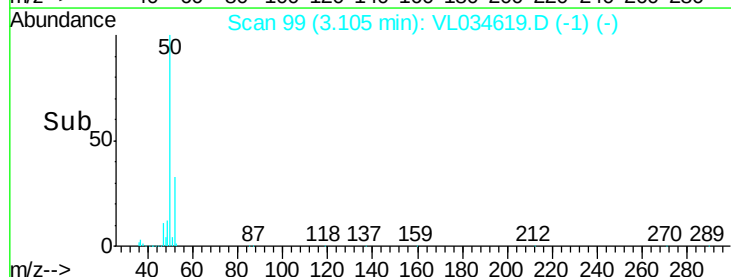
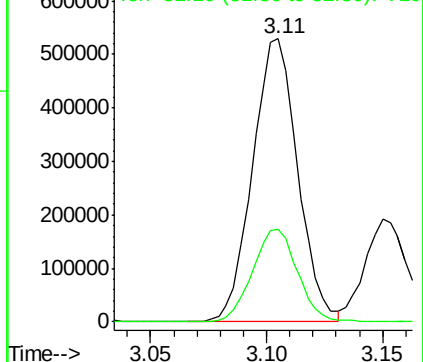
Ion Ratio Lower Upper

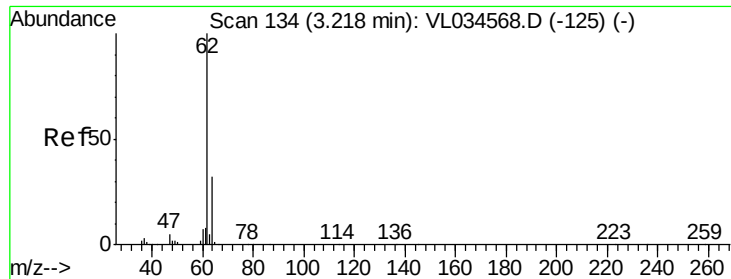
50 100

52 32.6 26.6 39.8



Abundance Ion 50.10 (49.80 to 50.80): VL0
Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.762 ppbv

RT: 3.22 min Scan# 135

Delta R.T. 0.00 min

Lab File: VL034619.D

Acq: 18 Feb 2020 9:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 62 Resp: 690296

Ion Ratio Lower Upper

62 100

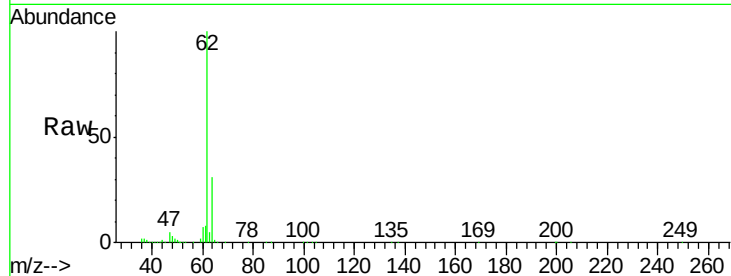
64 30.9 25.8 38.6

Manual Integrations

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.22

600000

500000

400000

300000

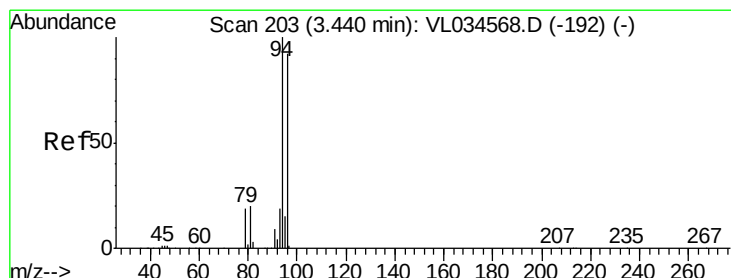
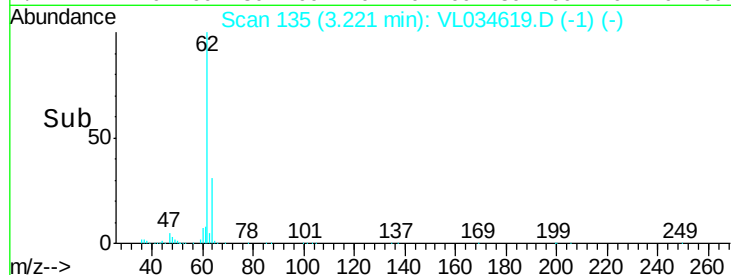
200000

100000

0

3.15 3.20 3.25

Time-->



#6

Bromomethane

Concen: 9.906 ppbv

RT: 3.44 min Scan# 203

Delta R.T. -0.00 min

Lab File: VL034619.D

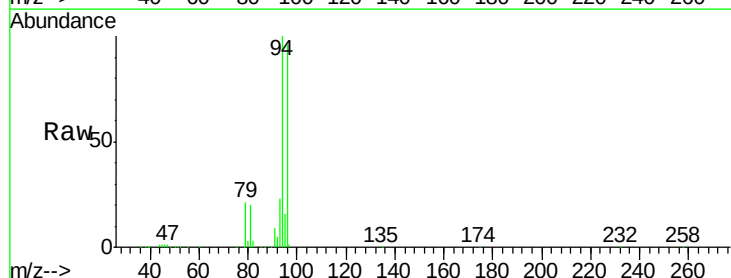
Acq: 18 Feb 2020 9:57

Tgt Ion: 94 Resp: 364324

Ion Ratio Lower Upper

94 100

96 96.3 73.8 110.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.44

300000

250000

200000

150000

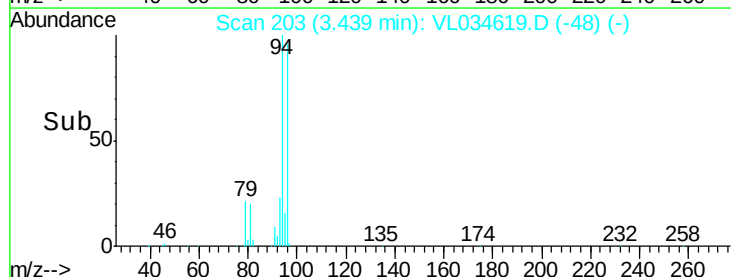
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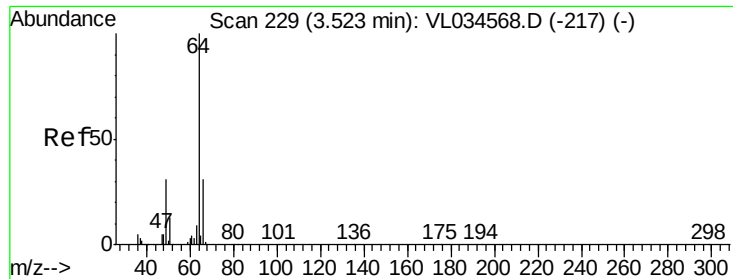
50000

0

3.40 3.45 3.50

Time-->





#7

Chloroethane

Concen: 9.752 ppbv

RT: 3.53 min Scan# 230

Delta R.T. 0.00 min

Lab File: VL034619.D

Acq: 18 Feb 2020 9:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 64 Resp: 256444

Ion Ratio Lower Upper

64 100

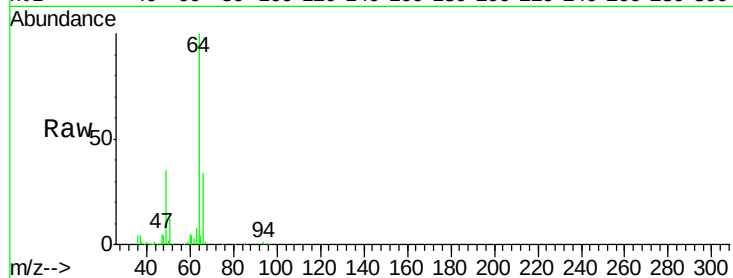
66 33.5 25.0 37.4

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

3.53

200000

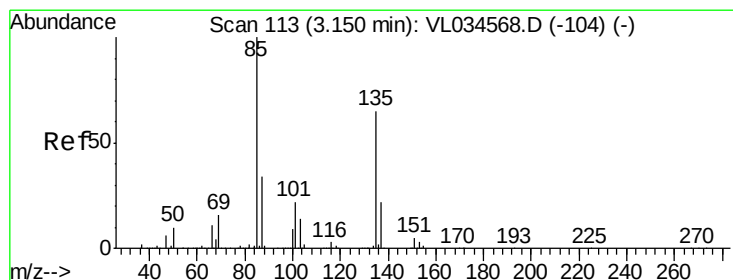
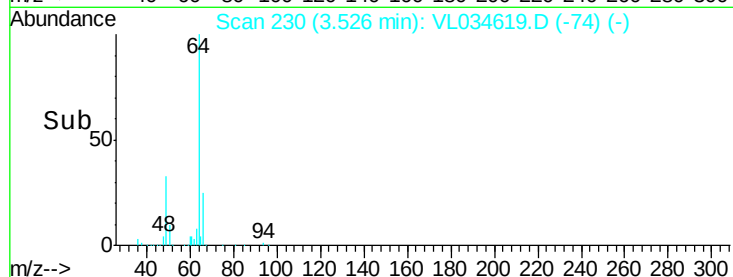
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100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.612 ppbv

RT: 3.15 min Scan# 113

Delta R.T. -0.00 min

Lab File: VL034619.D

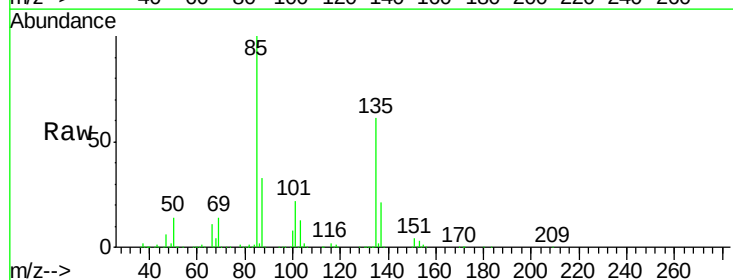
Acq: 18 Feb 2020 9:57

Tgt Ion: 85 Resp: 1656945

Ion Ratio Lower Upper

85 100

135 64.3 52.2 78.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.15

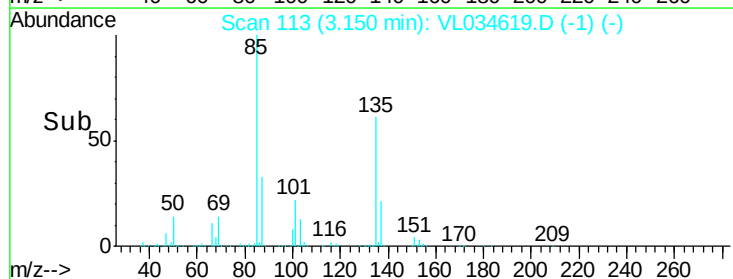
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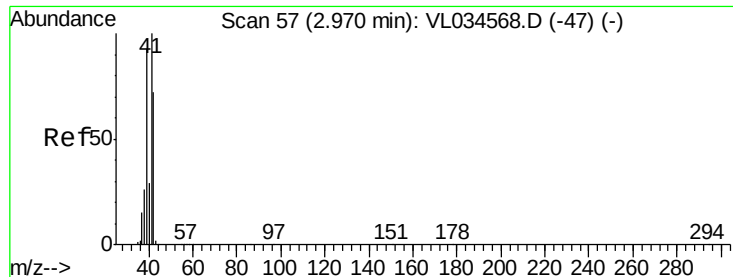
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500000

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Time-->





#9

Propene

Concen: 9.826 ppbv

RT: 2.97 min Scan# 57

Delta R.T. -0.00 min

Lab File: VL034619.D

Acq: 18 Feb 2020 9:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 41 Resp: 462872

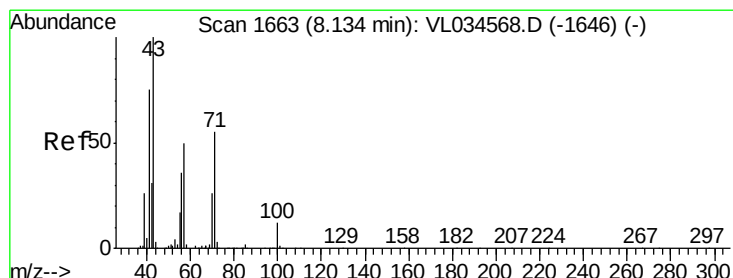
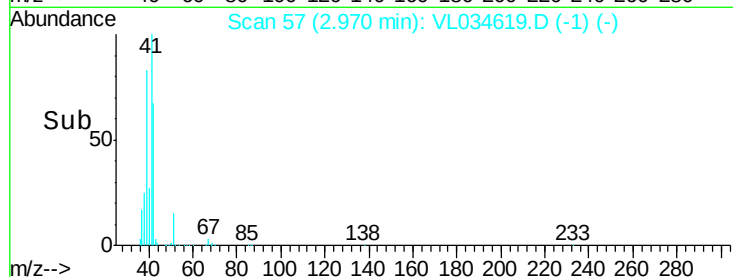
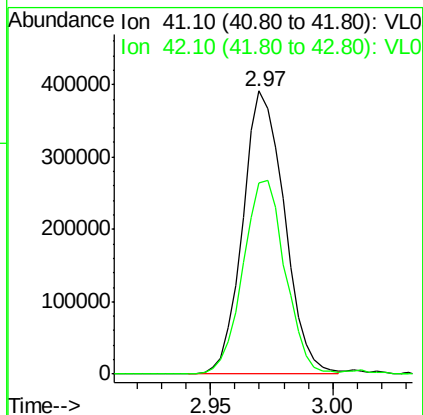
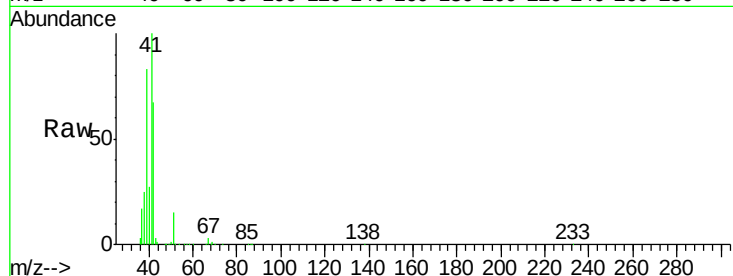
Ion Ratio Lower Upper

41 100

42 70.1 57.0 85.4

Manual Integrations
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#10

Heptane

Concen: 10.474 ppbv

RT: 8.13 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VL034619.D

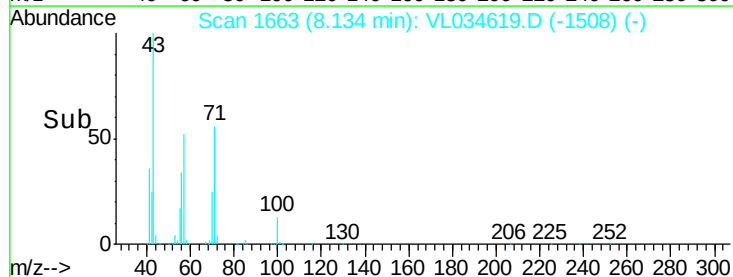
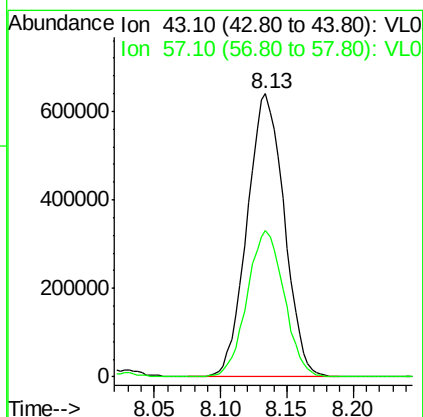
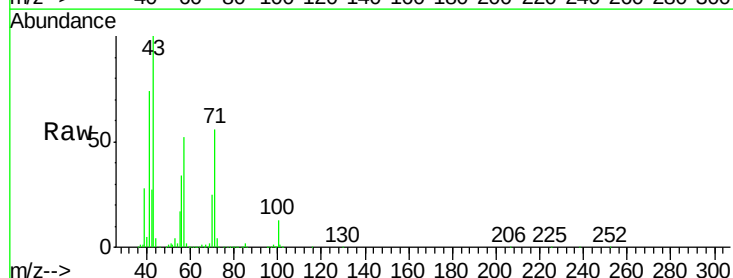
Acq: 18 Feb 2020 9:57

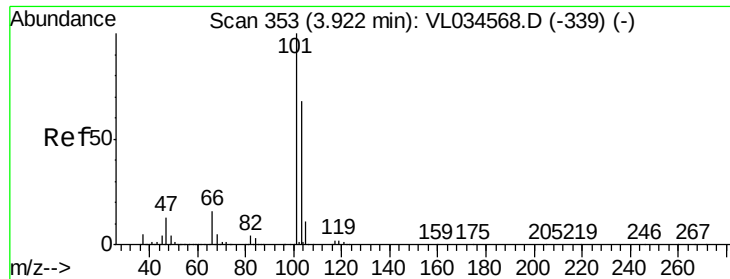
Tgt Ion: 43 Resp: 1241799

Ion Ratio Lower Upper

43 100

57 51.8 41.2 61.8





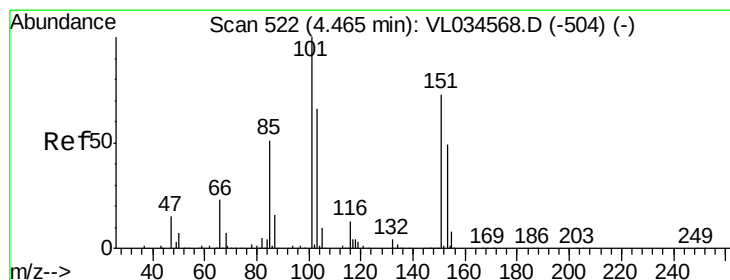
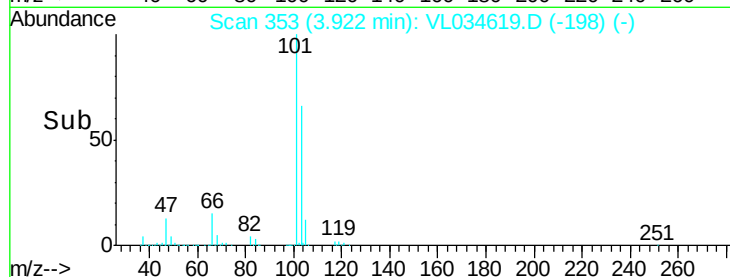
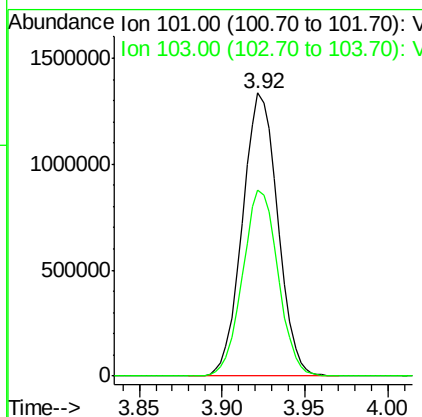
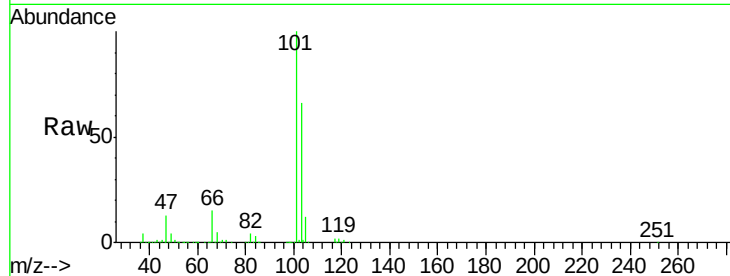
#11
 Trichlorofluoromethane
 Concen: 9.877 ppbv
 RT: 3.92 min Scan# 353
 Delta R.T. -0.00 min
 Lab File: VL034619.D
 Acq: 18 Feb 2020 9:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:101 Resp: 1978884
 Ion Ratio Lower Upper
 101 100
 103 65.6 54.4 81.6

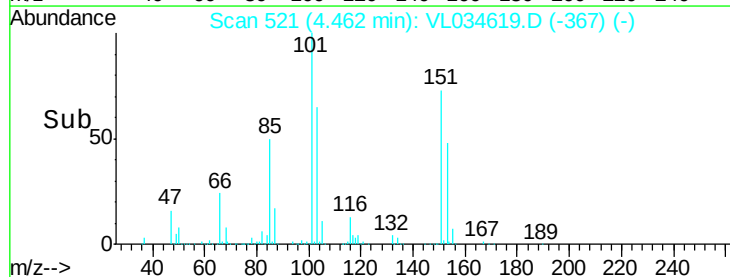
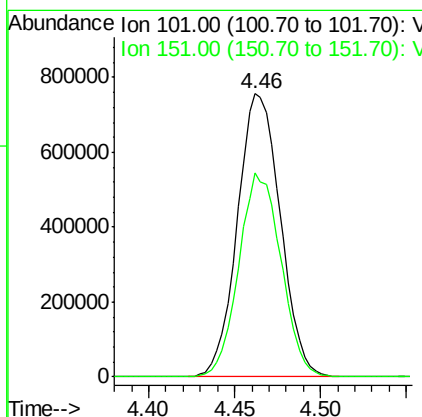
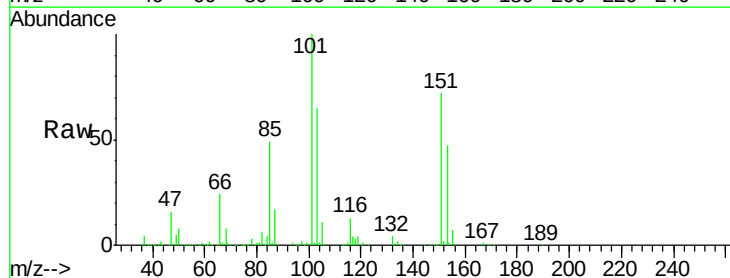
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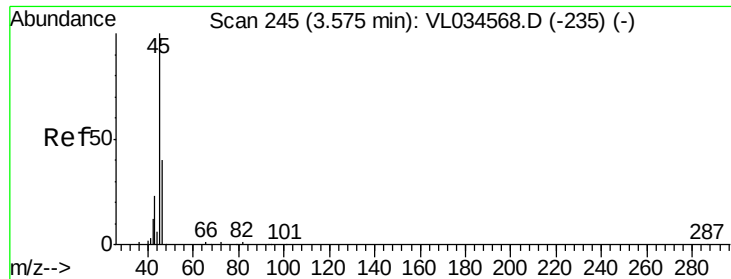
MMDadoda
 2/21/2020 3:25:19 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.032 ppbv
 RT: 4.46 min Scan# 521
 Delta R.T. -0.00 min
 Lab File: VL034619.D
 Acq: 18 Feb 2020 9:57

Tgt Ion:101 Resp: 1311408
 Ion Ratio Lower Upper
 101 100
 151 71.0 57.0 85.6





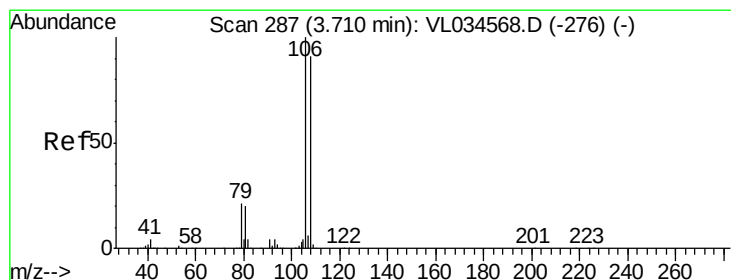
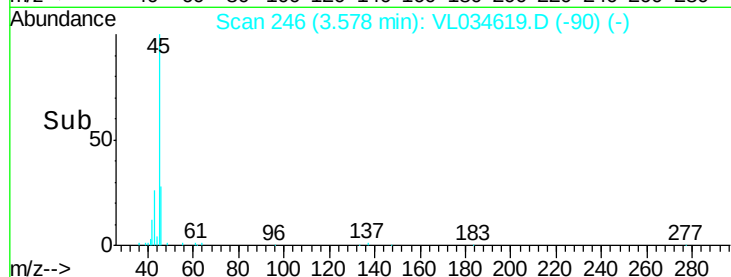
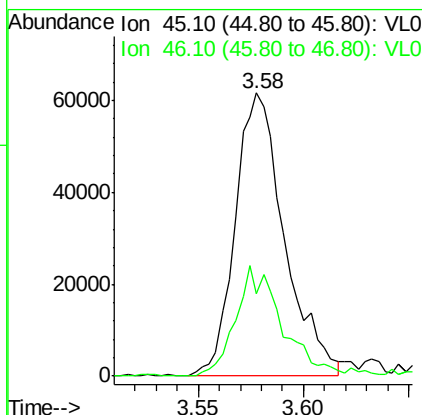
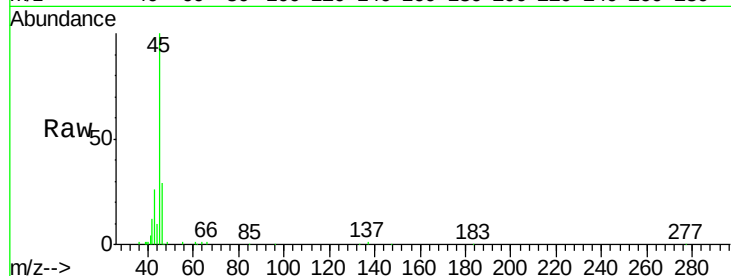
#13
Ethanol
Concen: 7.913 ppbv
RT: 3.58 min Scan# 246
Delta R.T. 0.00 min
Lab File: VL034619.D
Acq: 18 Feb 2020 9:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	45	Resp	99849
Ion Ratio	100	Lower	Upper
46	39.1	14.8	59.2

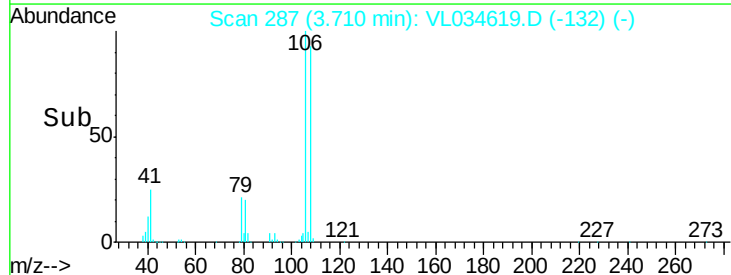
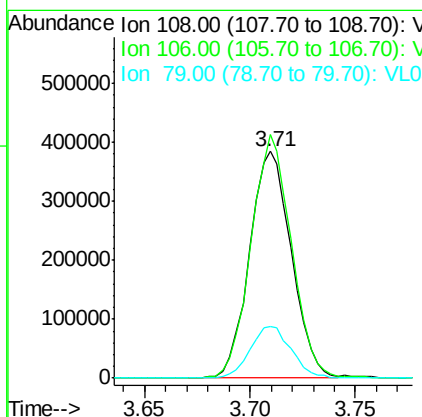
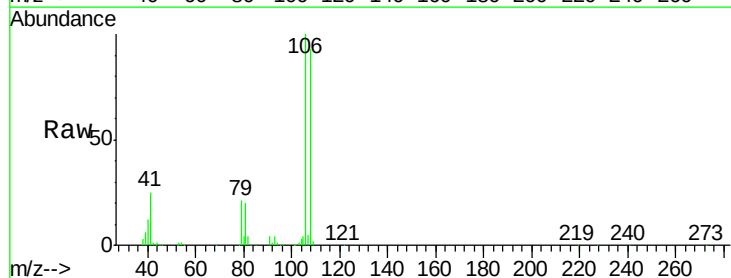
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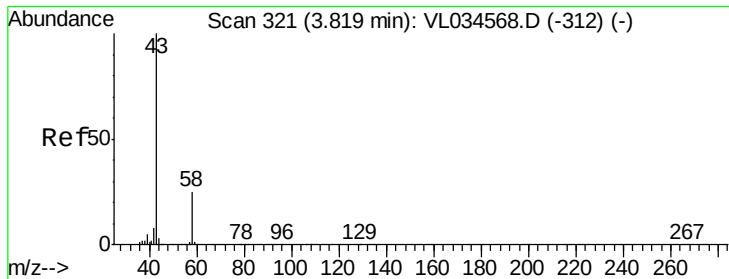
MMDadoda
2/21/2020 3:25:19 PM



#14
Bromoethene
Concen: 10.336 ppbv
RT: 3.71 min Scan# 287
Delta R.T. -0.00 min
Lab File: VL034619.D
Acq: 18 Feb 2020 9:57

Tgt Ion	108	Resp	529998
Ion Ratio	100	Lower	Upper
106	104.4	84.6	127.0
79	22.6	18.2	27.2





#15

Acetone

Concen: 9.384 ppbv

RT: 3.82 min Scan# 322

Delta R.T. 0.00 min

Lab File: VL034619.D

Acq: 18 Feb 2020 9:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1380959

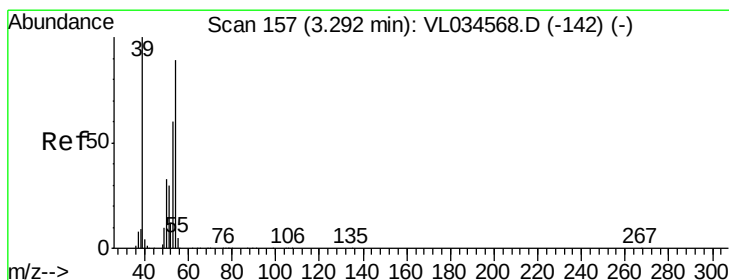
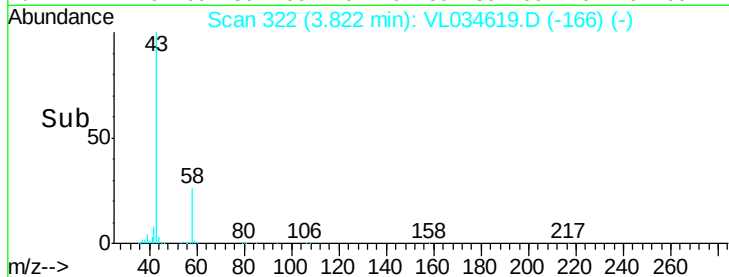
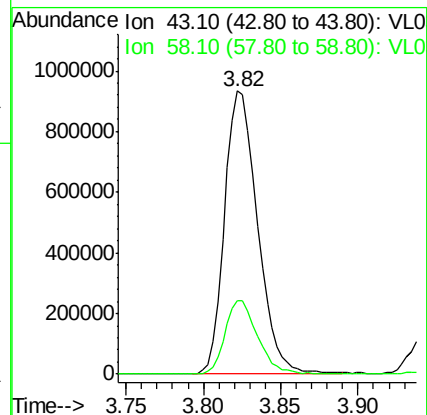
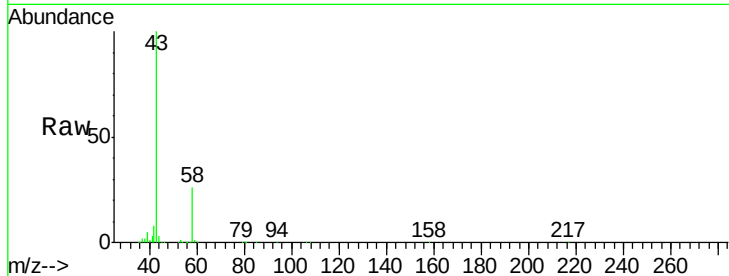
Ion Ratio Lower Upper

43 100

58 25.7 20.3 30.5

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#16

1,3-Butadiene

Concen: 10.418 ppbv

RT: 3.29 min Scan# 157

Delta R.T. -0.00 min

Lab File: VL034619.D

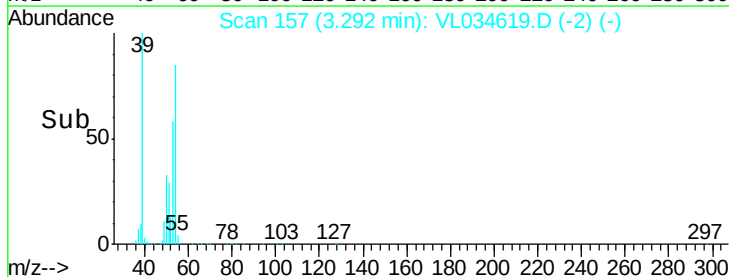
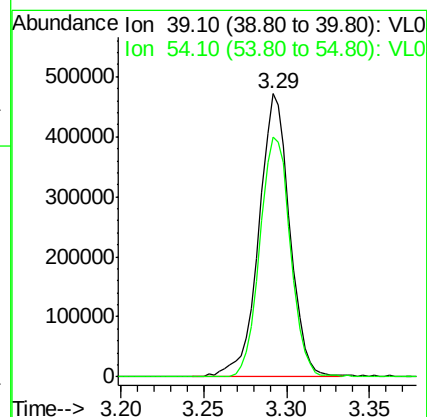
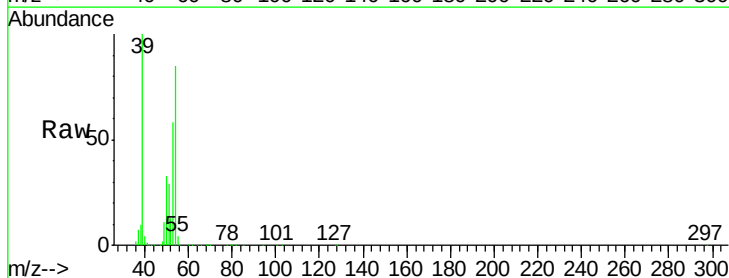
Acq: 18 Feb 2020 9:57

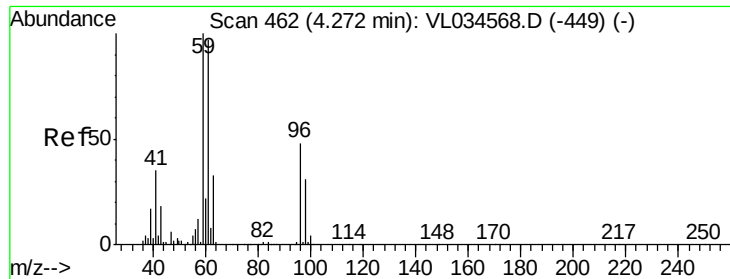
Tgt Ion: 39 Resp: 608839

Ion Ratio Lower Upper

39 100

54 84.1 66.7 100.1





#17

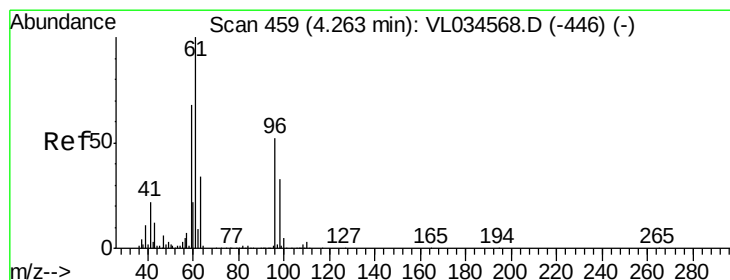
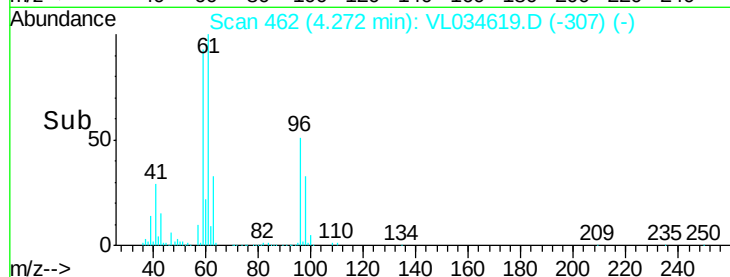
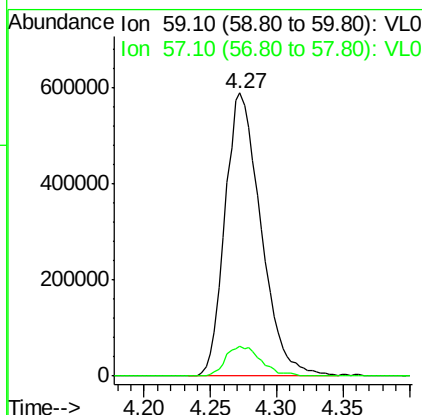
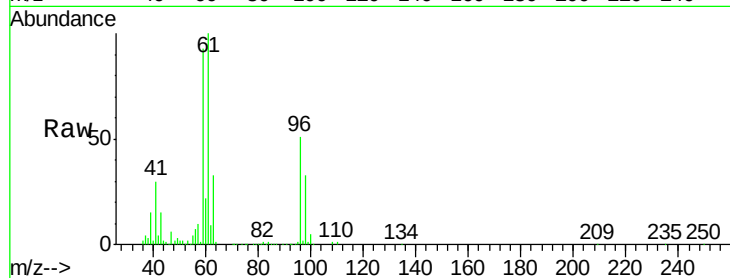
tert-Butyl alcohol
Concen: 10.268 ppbv
RT: 4.27 min Scan# 462
Delta R.T. -0.00 min
Lab File: VL034619.D
Acq: 18 Feb 2020 9:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 59 Resp: 1111258
Ion Ratio Lower Upper
59 100
57 10.7 8.7 13.1

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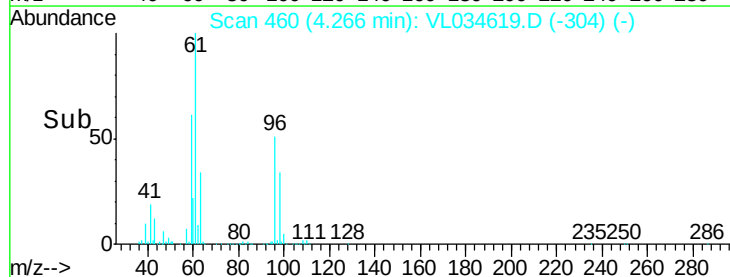
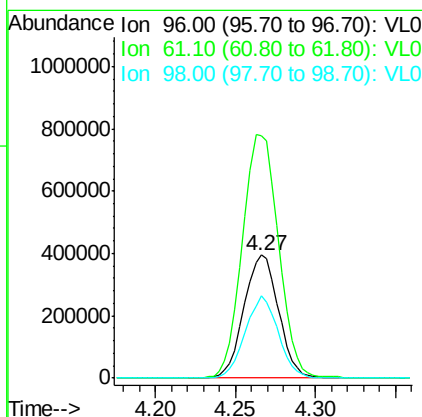
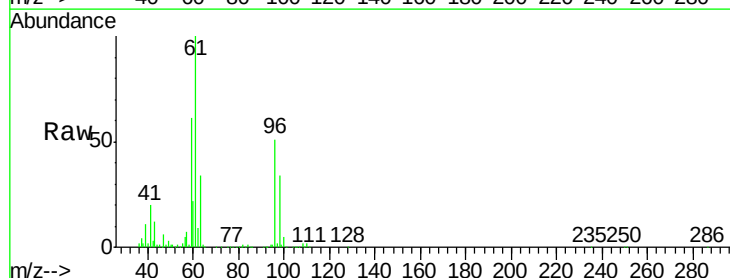
MMDadoda
2/21/2020 3:25:19 PM

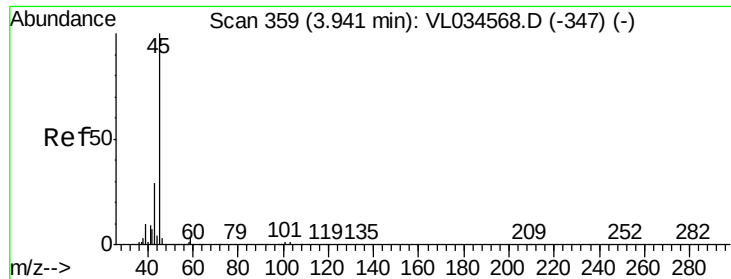


#18

1,1-Dichloroethene
Concen: 10.556 ppbv
RT: 4.27 min Scan# 460
Delta R.T. 0.00 min
Lab File: VL034619.D
Acq: 18 Feb 2020 9:57

Tgt Ion: 96 Resp: 582492
Ion Ratio Lower Upper
96 100
61 197.5 154.5 231.7
98 66.5 50.3 75.5





#19

Isopropyl Alcohol

Concen: 9.899 ppbv

RT: 3.95 min Scan# 361

Delta R.T. 0.01 min

Lab File: VL034619.D

Acq: 18 Feb 2020 9:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 45 Resp: 850110

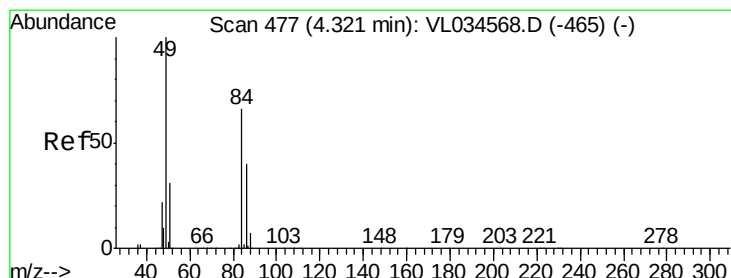
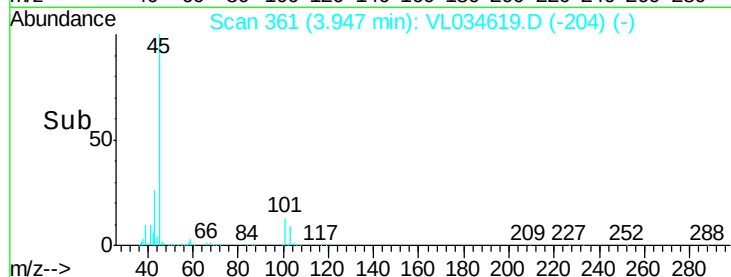
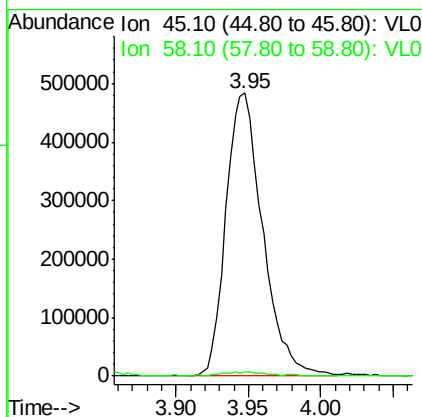
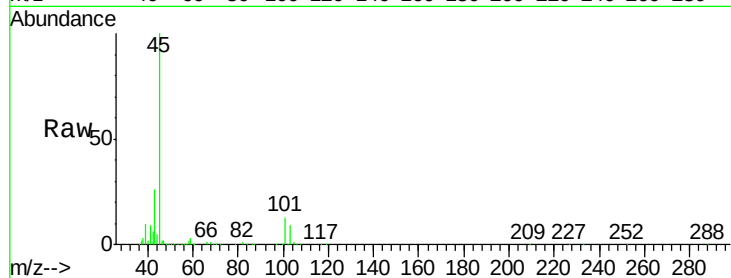
Ion Ratio Lower Upper

45 100

58 2.5 1.7 2.5#

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#20

Methylene Chloride

Concen: 9.151 ppbv

RT: 4.32 min Scan# 478

Delta R.T. 0.00 min

Lab File: VL034619.D

Acq: 18 Feb 2020 9:57

Tgt Ion: 84 Resp: 512784

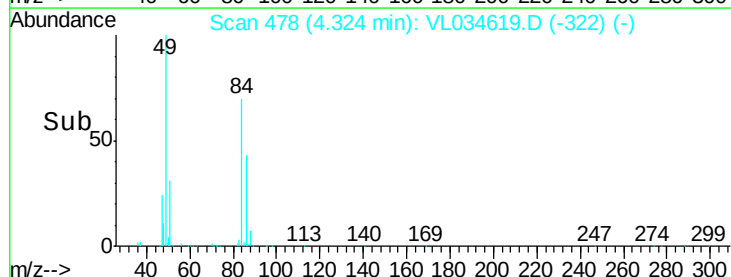
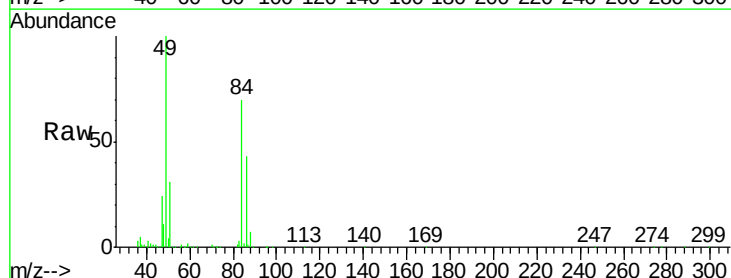
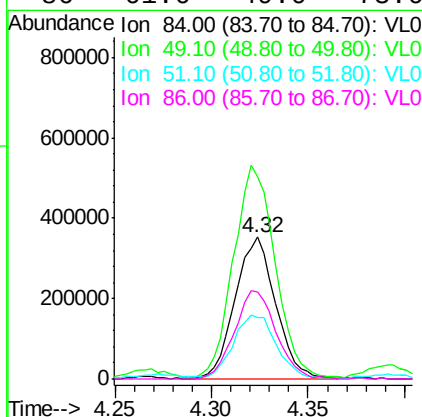
Ion Ratio Lower Upper

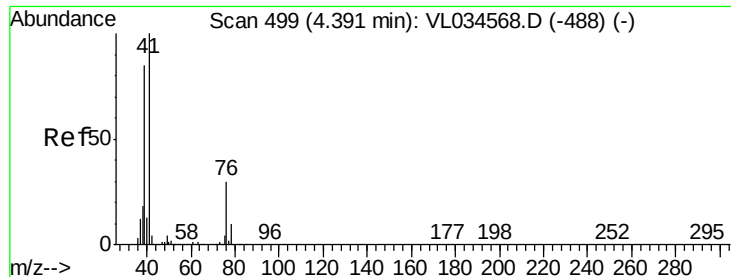
84 100

49 142.1 122.4 183.6

51 43.2 38.6 57.8

86 61.6 49.0 73.6





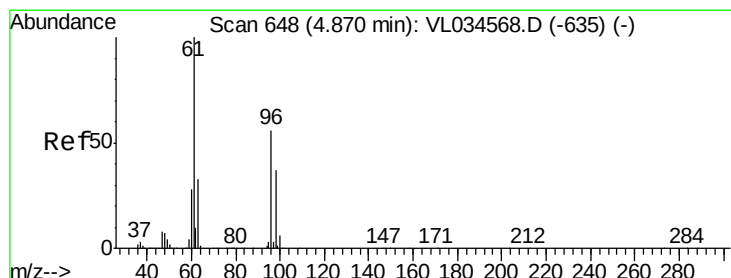
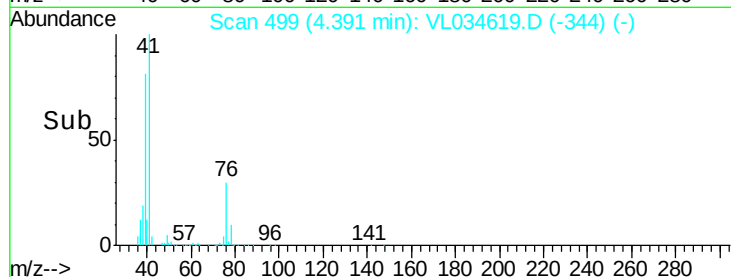
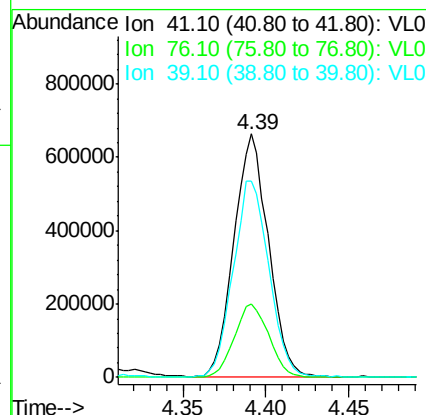
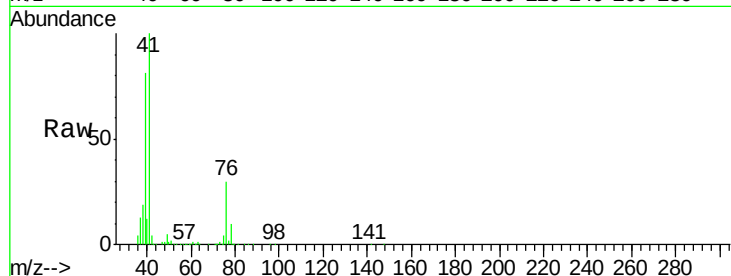
#21
Allvl Chloride
Concen: 10.490 ppbv
RT: 4.39 min Scan# 499
Delta R.T. -0.00 min
Lab File: VL034619.D
Acq: 18 Feb 2020 9:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
41	100		
76	30.4	24.2	36.2
39	84.1	68.3	102.5

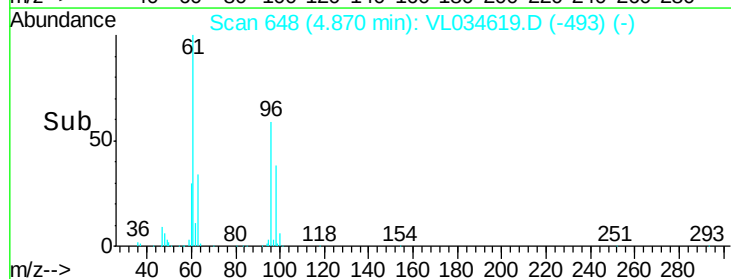
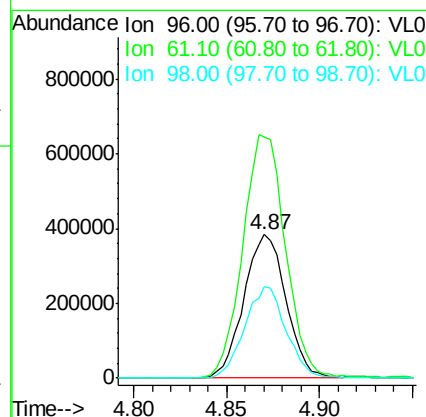
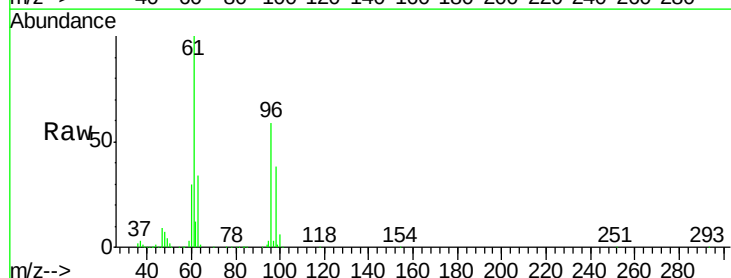
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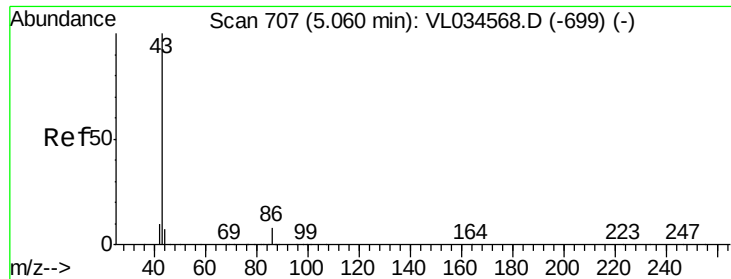
MMDadoda
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#22
trans-1,2-Dichloroethene
Concen: 10.473 ppbv
RT: 4.87 min Scan# 648
Delta R.T. -0.00 min
Lab File: VL034619.D
Acq: 18 Feb 2020 9:57

Tgt Ion	Ratio	Lower	Upper
96	100		
61	168.2	141.9	212.9
98	64.0	53.1	79.7





#23

Vinyl Acetate

Concen: 10.342 ppbv

RT: 5.06 min Scan# 708

Delta R.T. 0.00 min

Lab File: VL034619.D

Acq: 18 Feb 2020 9:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1736346

Ion Ratio Lower Upper

43 100

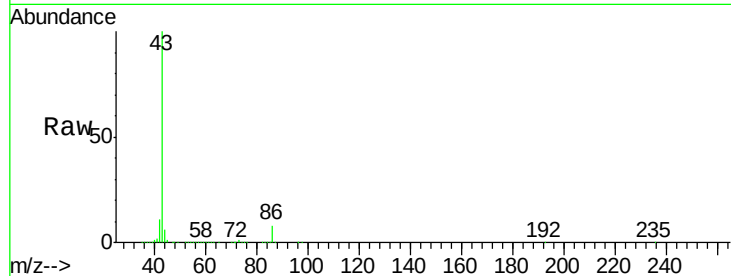
86 7.6 5.9 8.9

42 11.3 8.8 13.2

44 6.4 5.0 7.6

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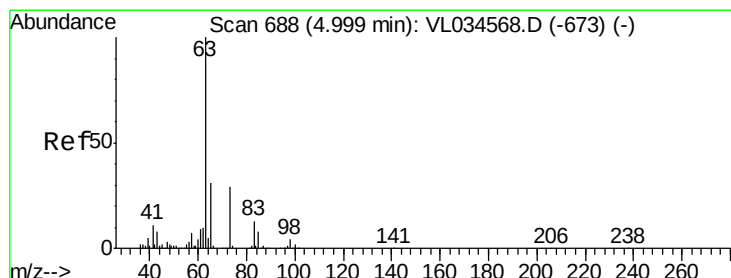
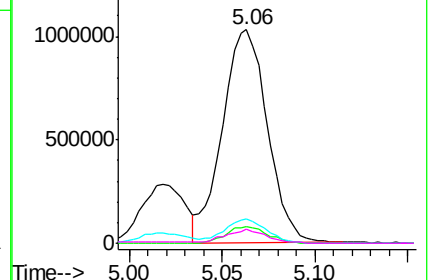
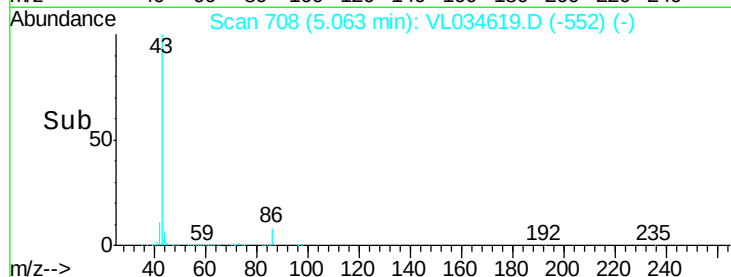


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.882 ppbv

RT: 5.00 min Scan# 688

Delta R.T. -0.00 min

Lab File: VL034619.D

Acq: 18 Feb 2020 9:57

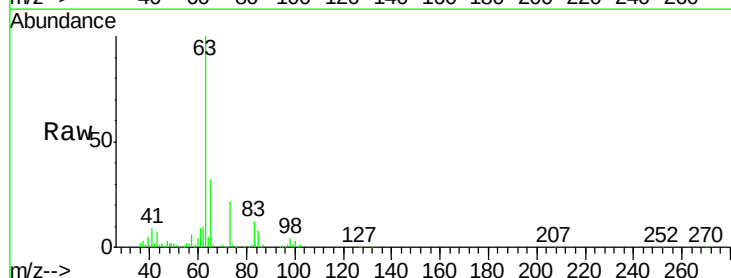
Tgt Ion: 63 Resp: 1385237

Ion Ratio Lower Upper

63 100

98 3.9 2.1 6.2

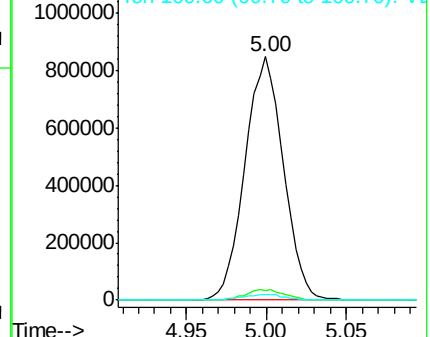
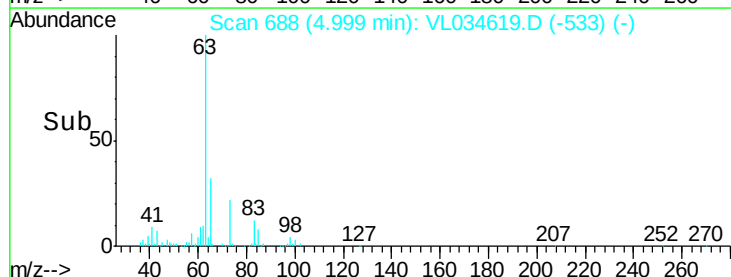
100 2.5 1.1 3.5

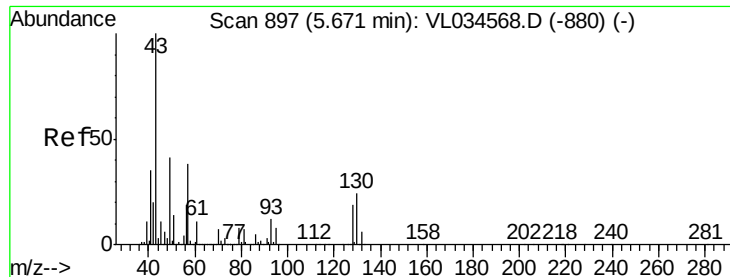


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





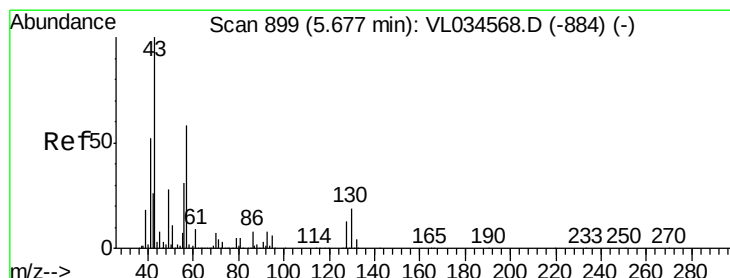
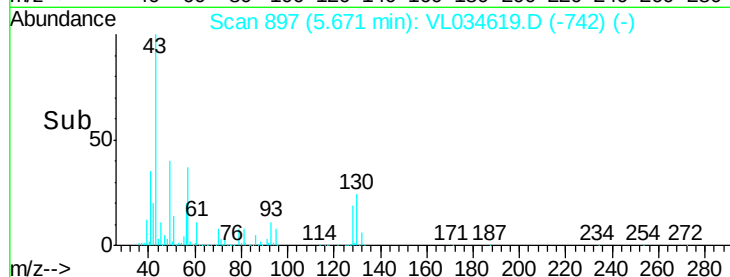
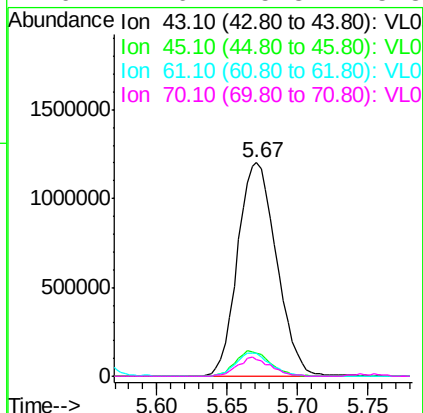
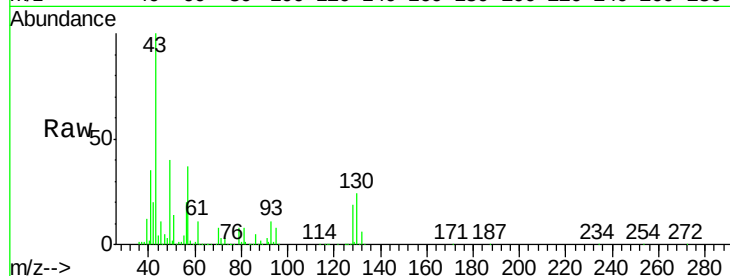
#25
Ethyl Acetate
Concen: 9.724 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.00 min
Lab File: VL034619.D
Acq: 18 Feb 2020 9:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:	43	Resp:	2316790
Ion	Ratio	Lower	Upper
43	100		
45	10.6	8.5	12.7
61	10.0	7.8	11.6
70	7.6	5.8	8.8

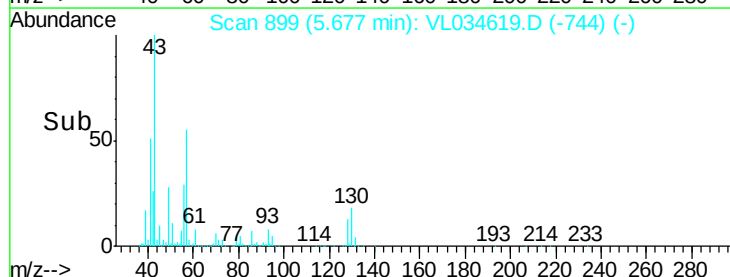
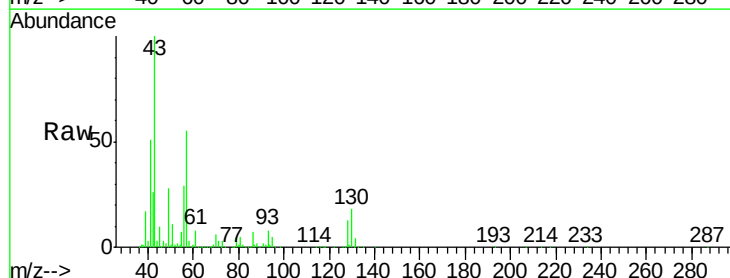
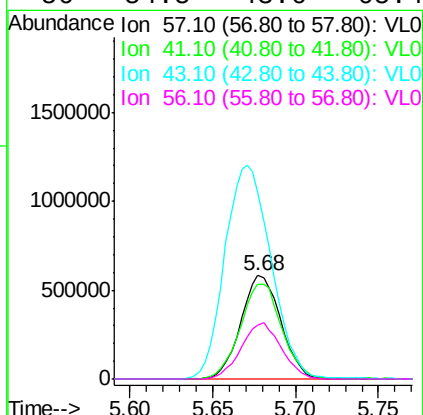
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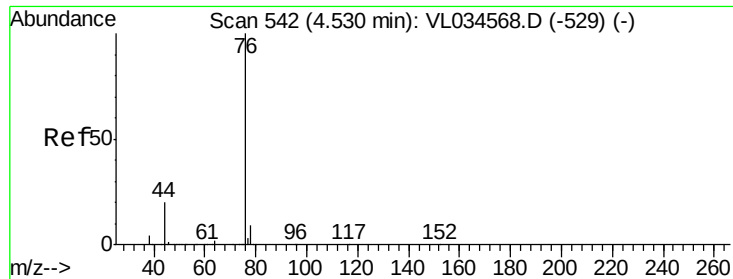
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#26
Hexane
Concen: 9.784 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.00 min
Lab File: VL034619.D
Acq: 18 Feb 2020 9:57

Tgt Ion:	57	Resp:	976430
Ion	Ratio	Lower	Upper
57	100		
41	95.7	76.2	114.2
43	238.6	189.9	284.9
56	54.5	43.6	65.4





#27

Carbon Disulfide

Concen: 11.215 ppbv

RT: 4.53 min Scan# 542

Delta R.T. -0.00 min

Lab File: VL034619.D

Acq: 18 Feb 2020 9:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 76 Resp: 1510138

Ion Ratio Lower Upper

76 100

44 20.3 16.3 24.5

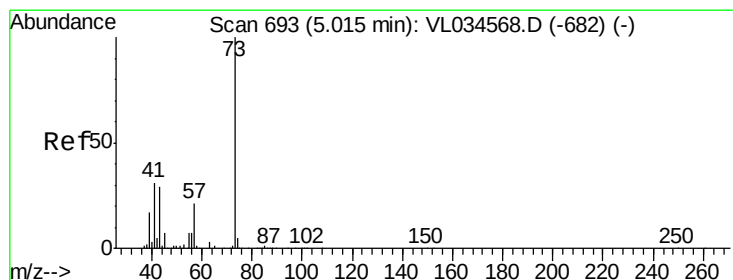
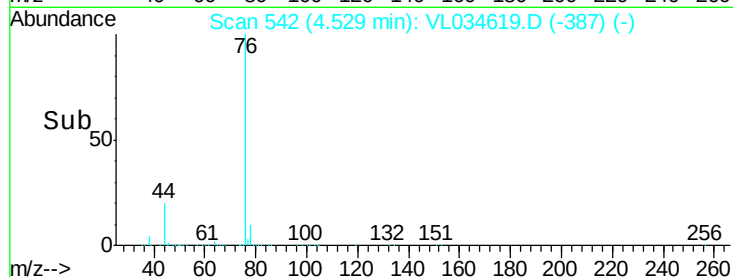
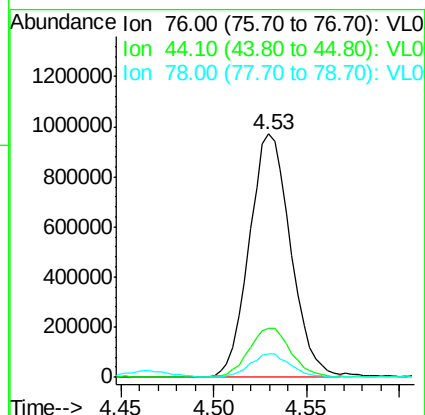
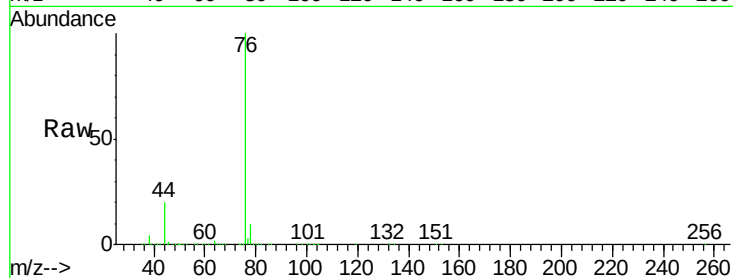
78 9.5 7.4 11.2

Manual Integrations

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#28

Methyl tert-Butyl Ether

Concen: 10.373 ppbv

RT: 5.02 min Scan# 694

Delta R.T. 0.00 min

Lab File: VL034619.D

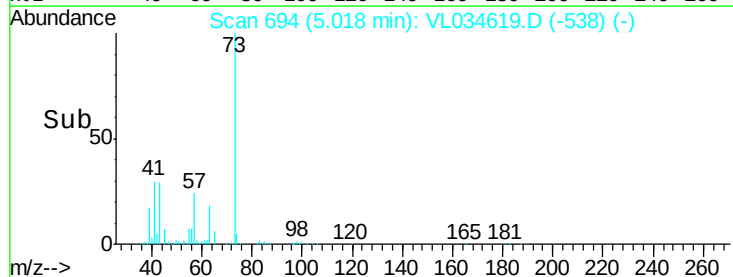
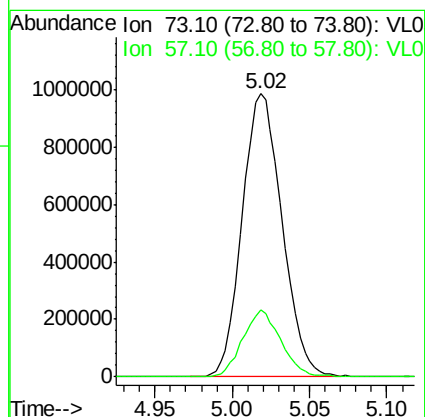
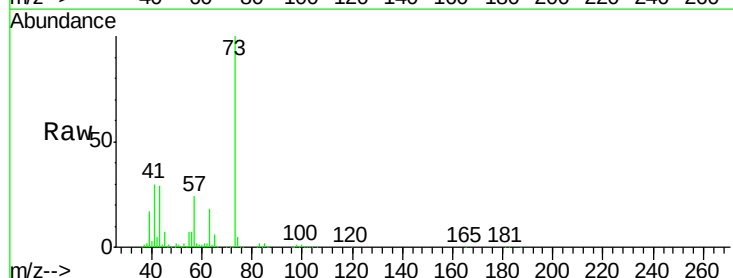
Acq: 18 Feb 2020 9:57

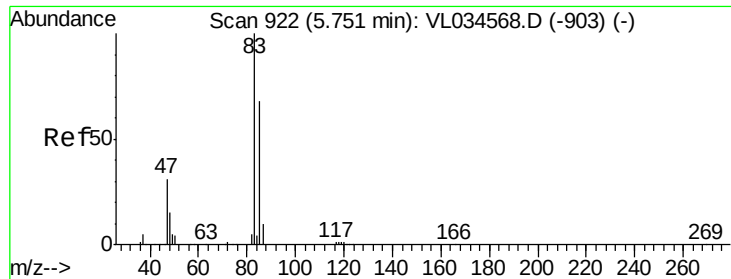
Tgt Ion: 73 Resp: 1765431

Ion Ratio Lower Upper

73 100

57 22.7 17.9 26.9





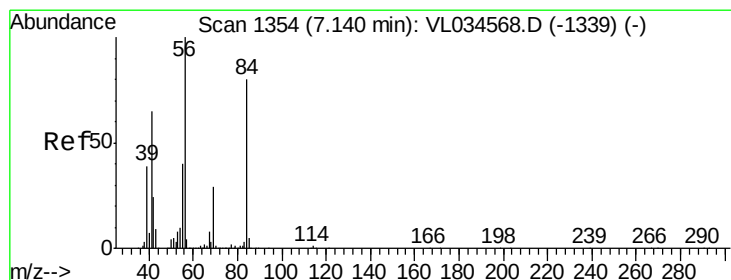
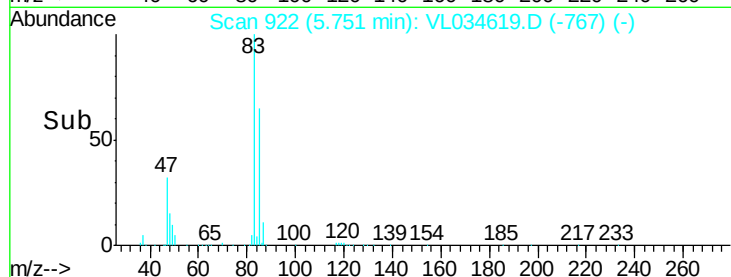
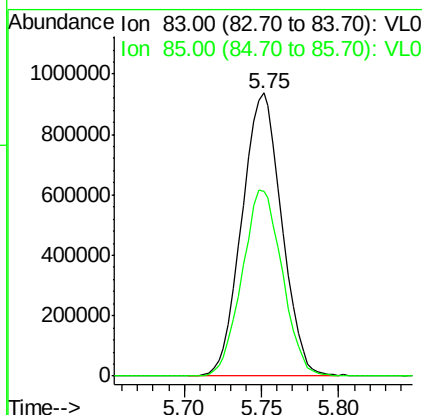
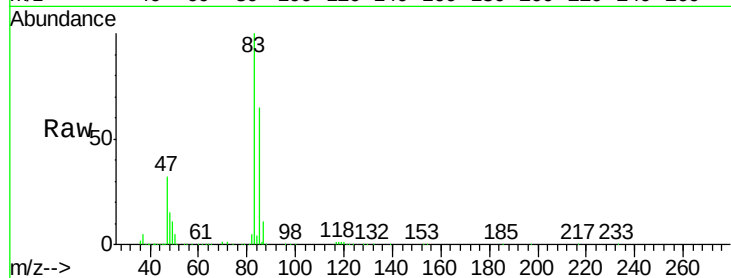
#29
Chloroform
Concen: 9.508 ppbv
RT: 5.75 min Scan# 922
Delta R.T. -0.00 min
Lab File: VL034619.D
Acq: 18 Feb 2020 9:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 83 Resp: 1677807
Ion Ratio Lower Upper
83 100
85 65.1 54.0 81.0

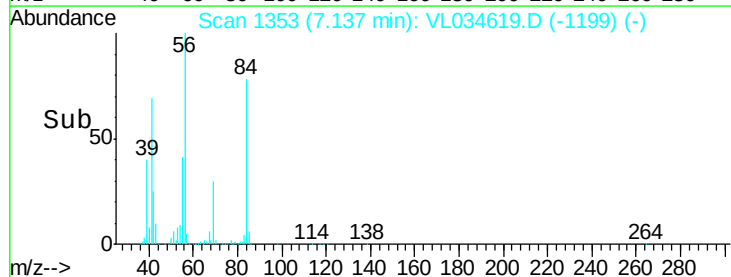
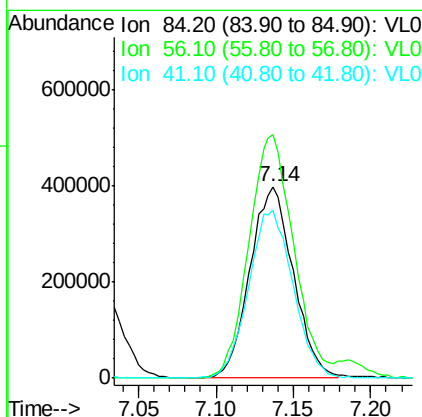
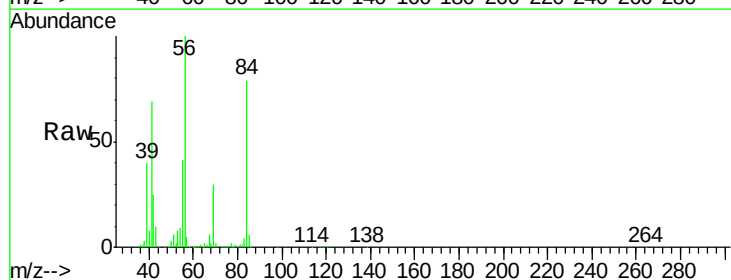
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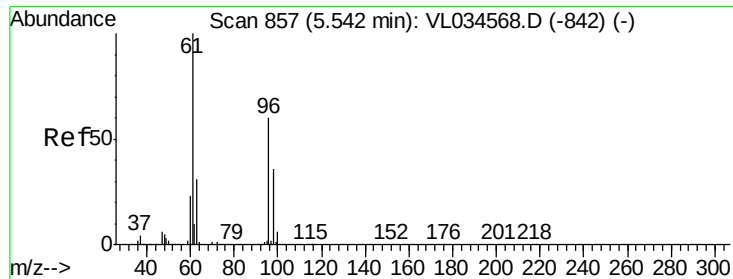
MMDadoda
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#30
Cyclohexane
Concen: 10.515 ppbv
RT: 7.14 min Scan# 1353
Delta R.T. -0.00 min
Lab File: VL034619.D
Acq: 18 Feb 2020 9:57

Tgt Ion: 84 Resp: 777575
Ion Ratio Lower Upper
84 100
56 137.6 110.5 165.7
41 90.0 71.9 107.9





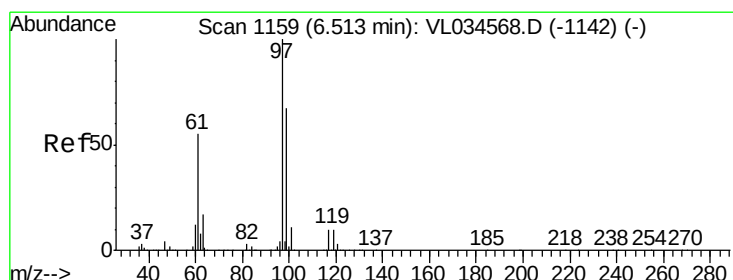
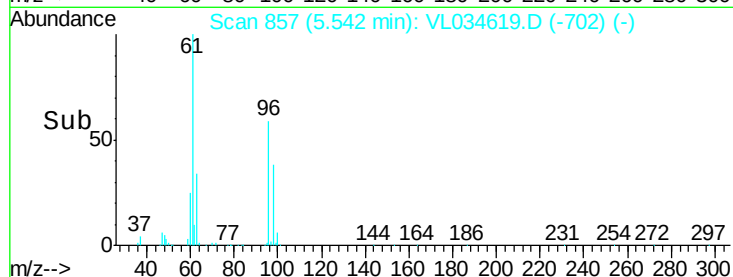
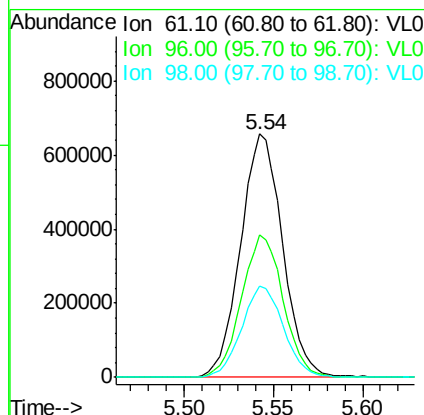
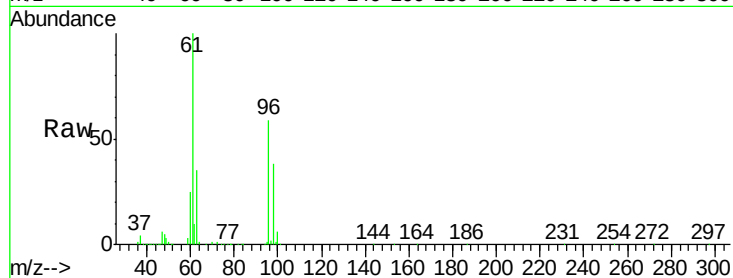
#31
 cis-1,2-Dichloroethene
 Concen: 10.376 ppbv
 RT: 5.54 min Scan# 857
 Delta R.T. -0.00 min
 Lab File: VL034619.D
 Acq: 18 Feb 2020 9:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 61 Resp: 1075783
 Ion Ratio Lower Upper
 61 100
 96 58.6 48.0 72.0
 98 37.4 28.6 43.0

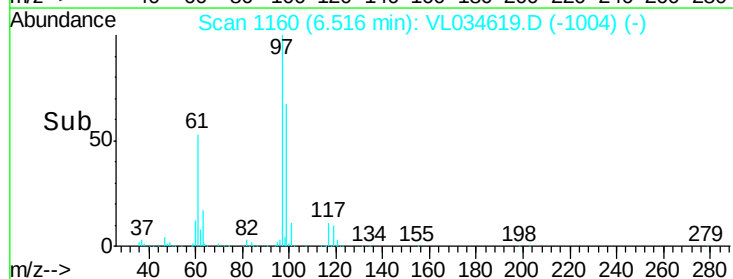
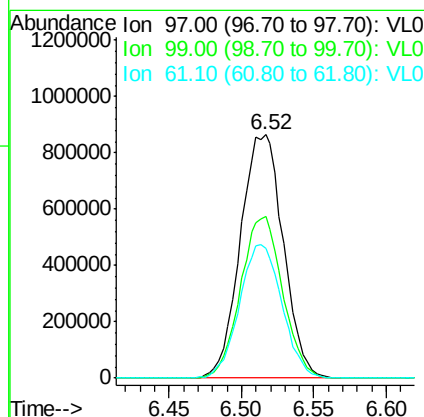
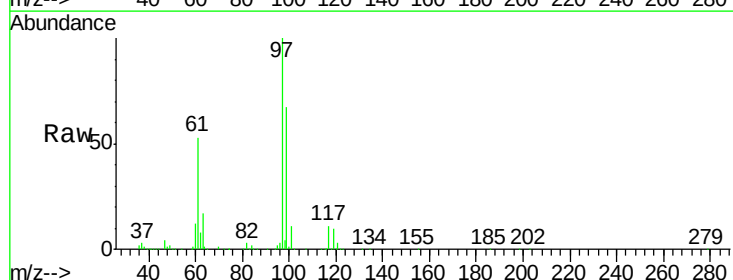
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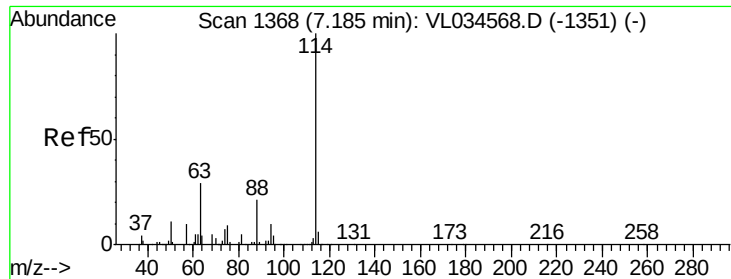
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#32
 1,1,1-Trichloroethane
 Concen: 9.389 ppbv
 RT: 6.52 min Scan# 1160
 Delta R.T. 0.00 min
 Lab File: VL034619.D
 Acq: 18 Feb 2020 9:57

Tgt Ion: 97 Resp: 1779003
 Ion Ratio Lower Upper
 97 100
 99 65.1 52.2 78.2
 61 54.3 43.0 64.4





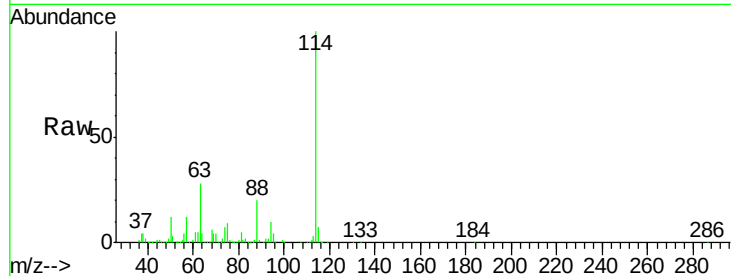
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1368
 Delta R.T. -0.00 min
 Lab File: VL034619.D
 Acq: 18 Feb 2020 9:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

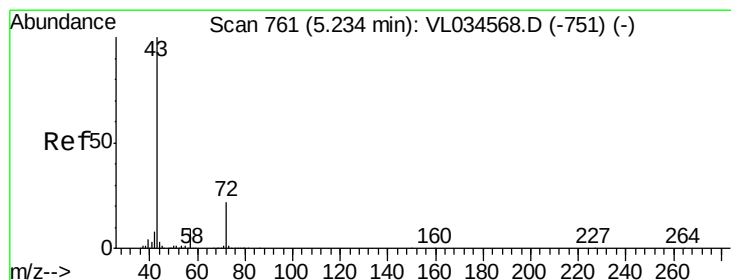
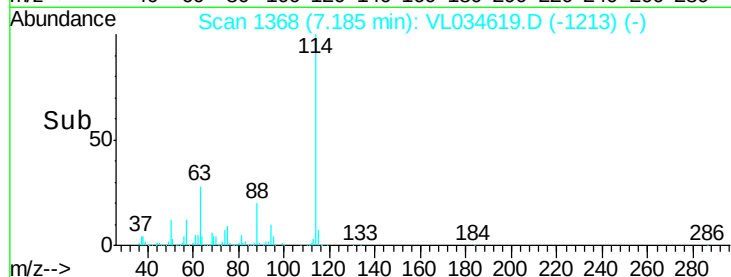
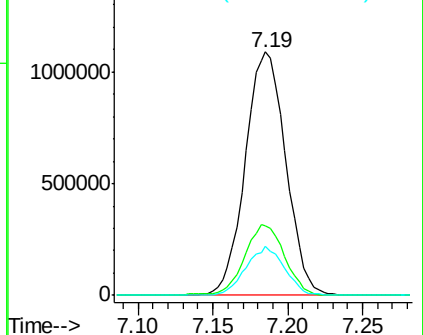
Tot Ion	Ratio	Lower	Upper
114	100		
63	29.2	24.1	36.1
88	19.2	15.9	23.9

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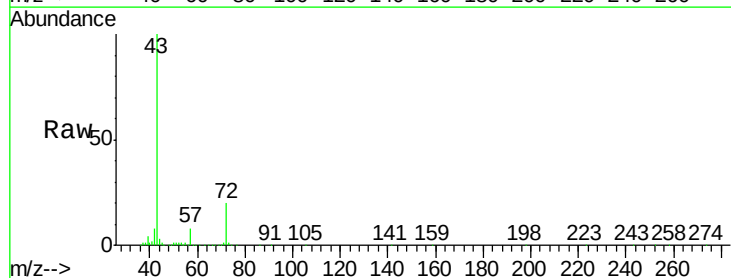


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

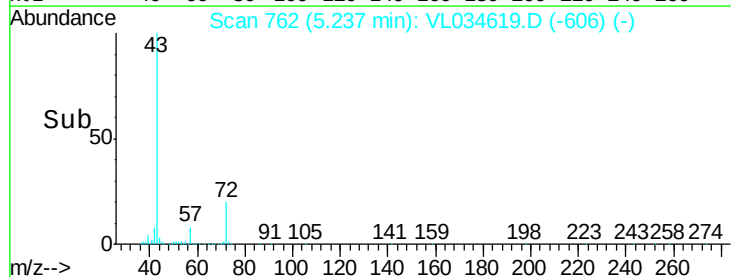
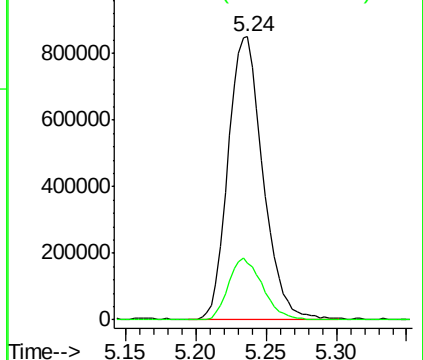


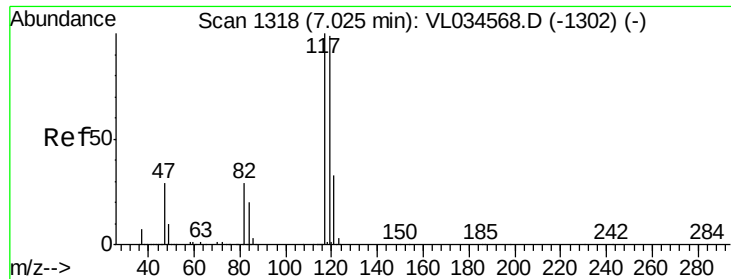
#34
 2-Butanone
 Concen: 9.834 ppbv
 RT: 5.24 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VL034619.D
 Acq: 18 Feb 2020 9:57

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.5	17.2	25.8



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





#35

Carbon Tetrachloride

Concen: 9.954 ppbv

RT: 7.03 min Scan# 1319

Delta R.T. 0.00 min

Lab File: VL034619.D

Acq: 18 Feb 2020 9:57

Instrument :

MSVOA_L

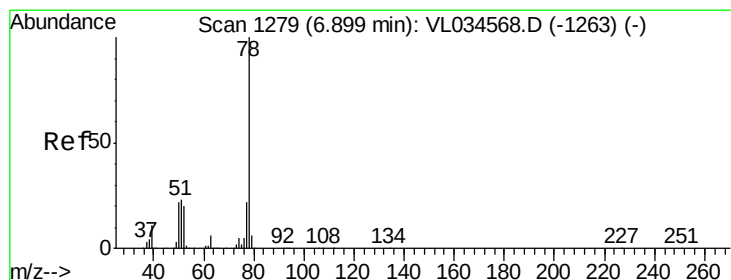
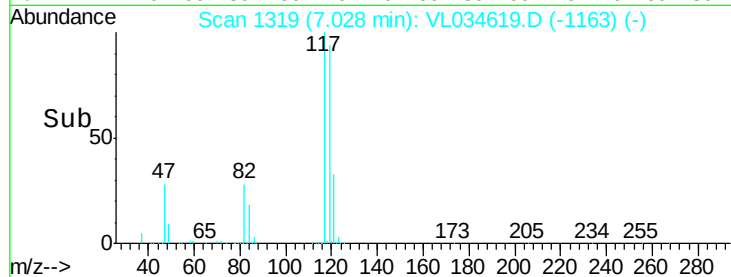
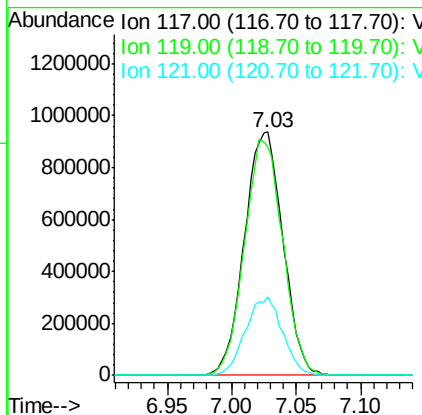
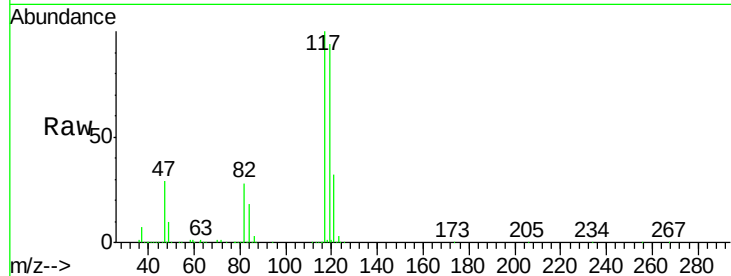
ClientSampleId :

VSTDCCC010

Tot Ion	Ratio	Lower	Upper
117	100		
119	93.6	79.5	119.3
121	32.2	26.2	39.2

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#36

Benzene

Concen: 10.214 ppbv

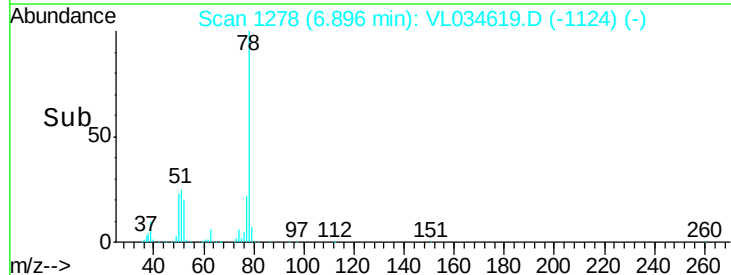
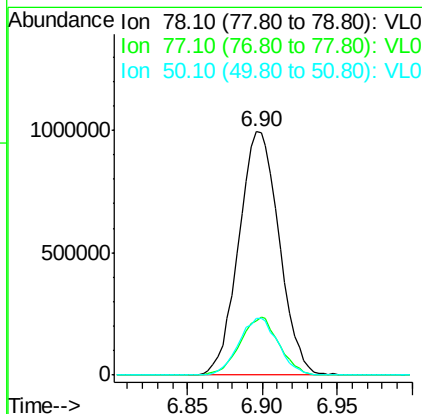
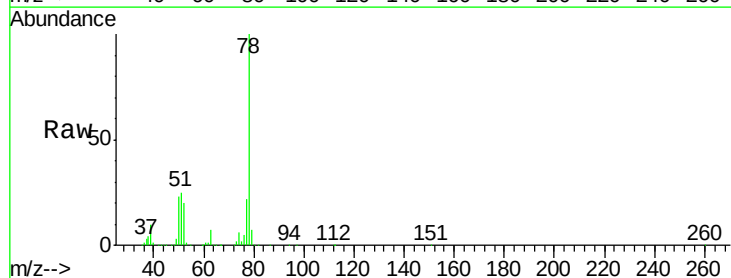
RT: 6.90 min Scan# 1278

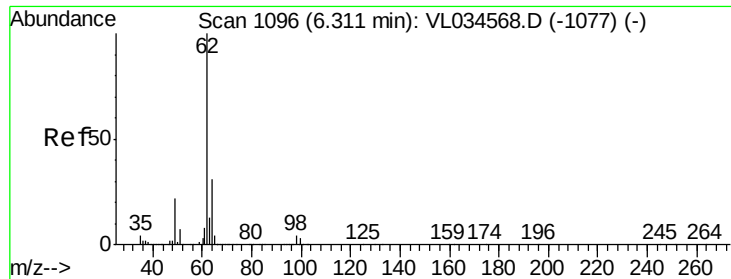
Delta R.T. -0.00 min

Lab File: VL034619.D

Acq: 18 Feb 2020 9:57

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.4	17.3	25.9
50	23.1	17.4	26.2





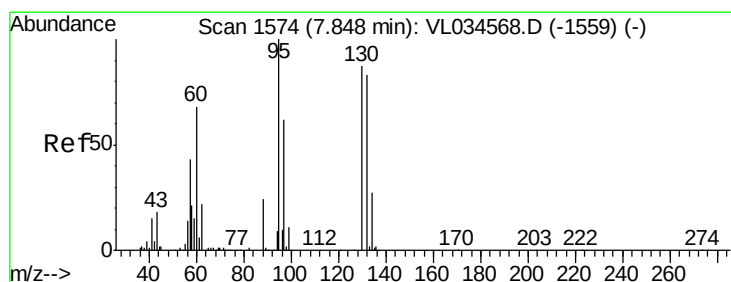
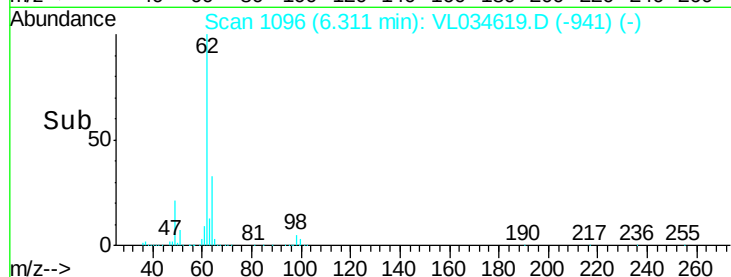
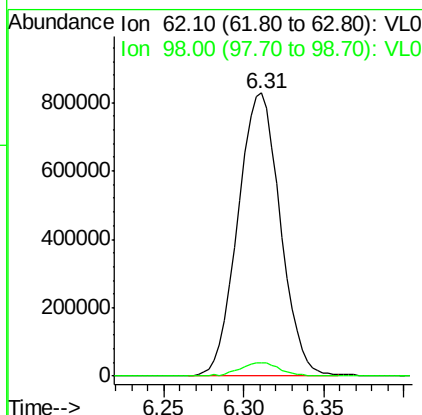
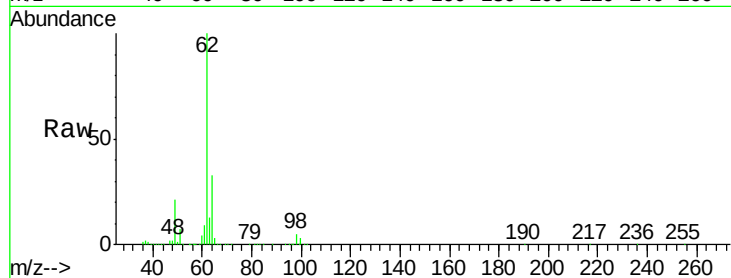
#37
1,2-Dichloroethane
Concen: 9.870 ppbv
RT: 6.31 min Scan# 1096
Delta R.T. -0.00 min
Lab File: VL034619.D
Acq: 18 Feb 2020 9:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 62 Resp: 1502861
Ion Ratio Lower Upper
62 100
98 4.6 3.7 5.5

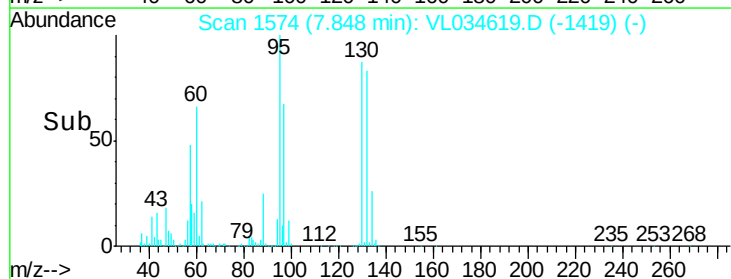
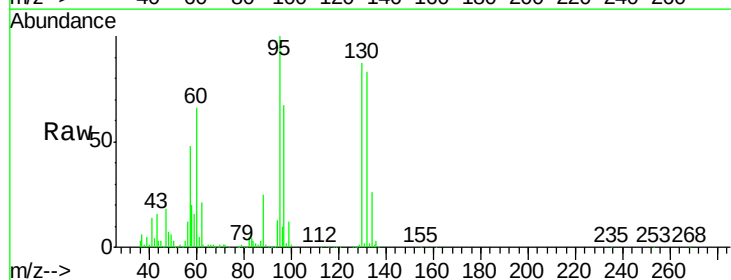
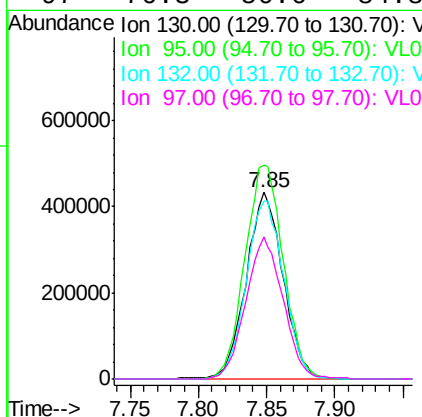
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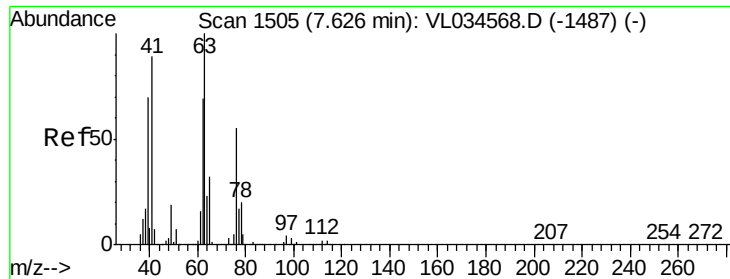
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#38
Trichloroethene
Concen: 10.521 ppbv
RT: 7.85 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VL034619.D
Acq: 18 Feb 2020 9:57

Tgt Ion: 130 Resp: 809450
Ion Ratio Lower Upper
130 100
95 114.6 91.6 137.4
132 95.4 76.1 114.1
97 76.3 56.6 84.8





#39

1,2-Dichloropropane

Concen: 9.942 ppbv

RT: 7.62 min Scan# 1504

Delta R.T. -0.00 min

Lab File: VL034619.D

Acq: 18 Feb 2020 9:57

Instrument :

MSVOA_L

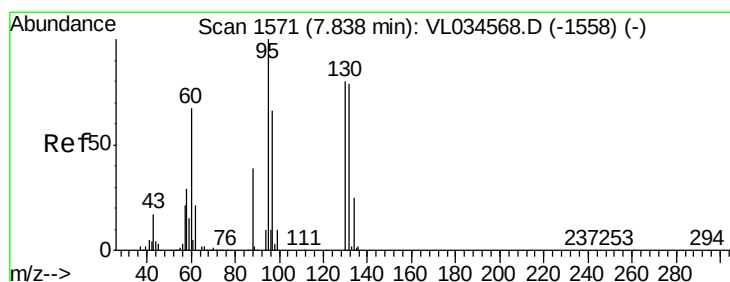
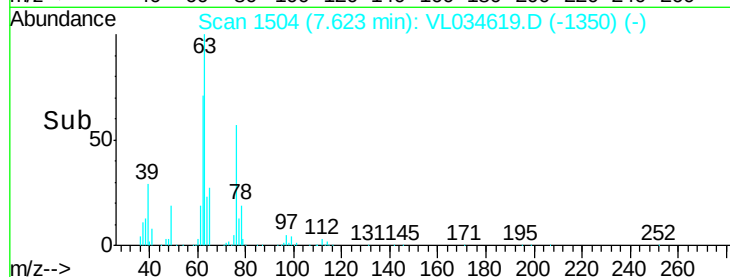
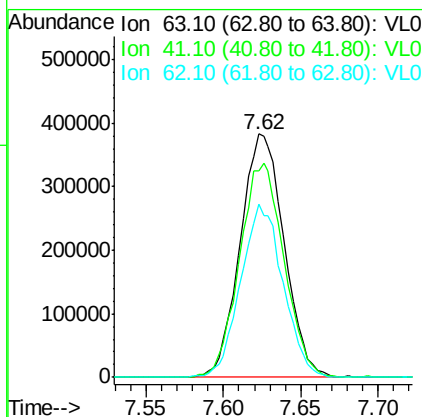
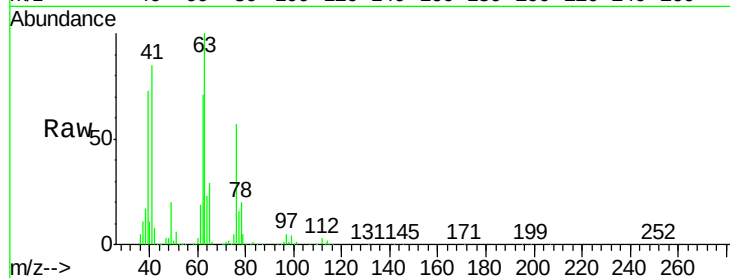
ClientSampleId :

VSTDCCC010

Tot Ion:	63	Resp:	752216
Ion	Ratio	Lower	Upper
63	100		
41	84.8	71.0	106.4
62	71.1	55.4	83.0

Manual Integrations
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#40

1,4-Dioxane

Concen: 10.309 ppbv

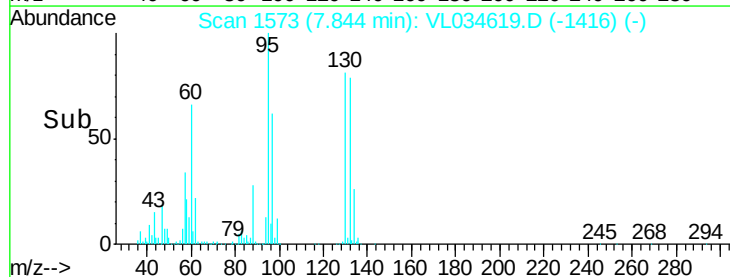
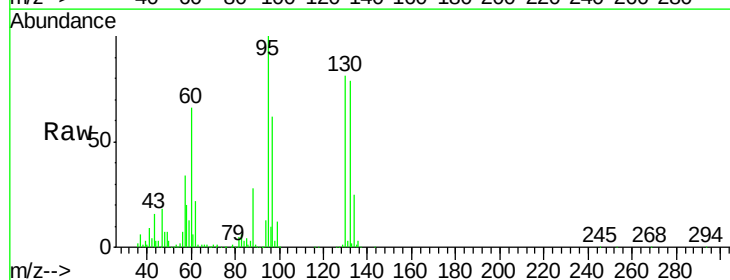
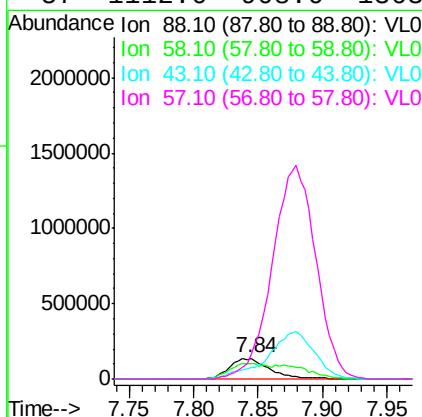
RT: 7.84 min Scan# 1573

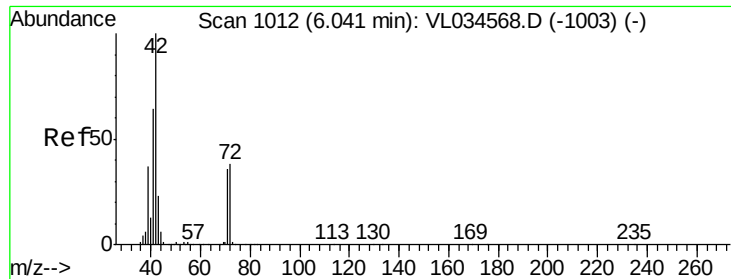
Delta R.T. 0.01 min

Lab File: VL034619.D

Acq: 18 Feb 2020 9:57

Tgt Ion:	88	Resp:	299833
Ion	Ratio	Lower	Upper
88	100		
58	128.4	107.8	161.8
43	266.6	220.9	331.3
57	1112.6	908.6	1363.0





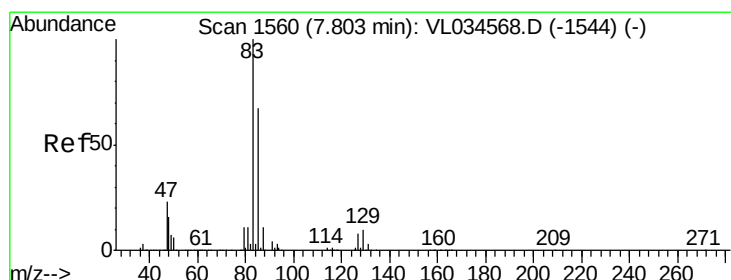
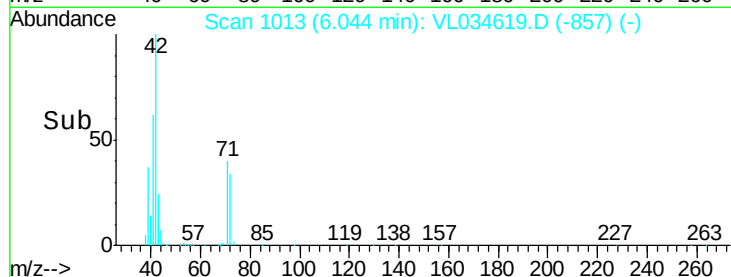
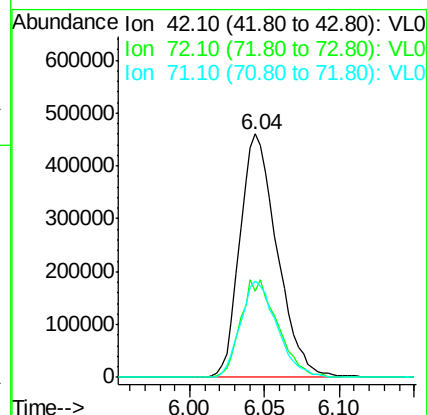
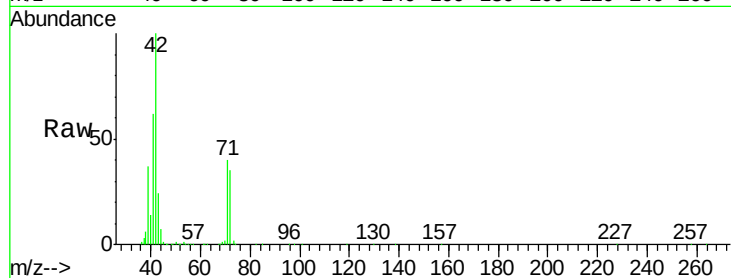
#41
Tetrahydrofuran
Concen: 10.247 ppbv
RT: 6.04 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VL034619.D
Acq: 18 Feb 2020 9:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.2	31.8	47.8
71	39.3	30.2	45.4

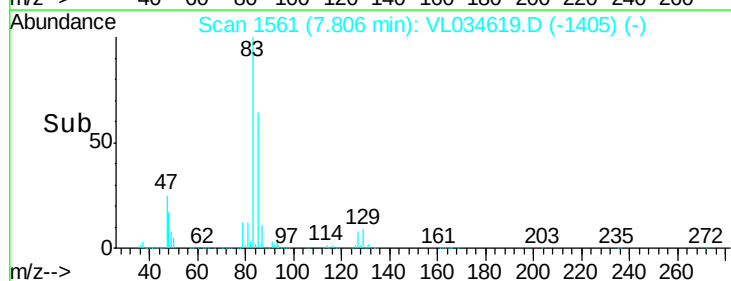
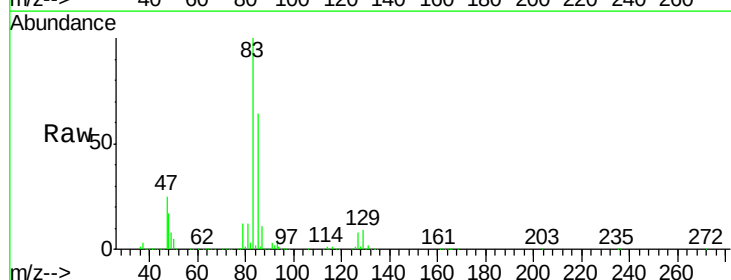
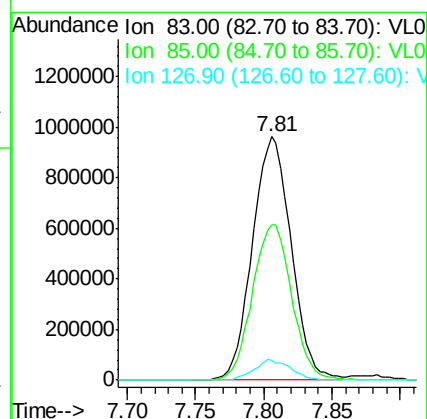
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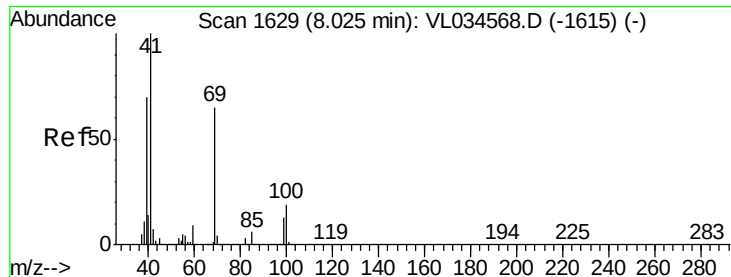
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#42
Bromodichloromethane
Concen: 10.147 ppbv
RT: 7.81 min Scan# 1561
Delta R.T. 0.00 min
Lab File: VL034619.D
Acq: 18 Feb 2020 9:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	53.2	79.8
127	8.2	6.5	9.7





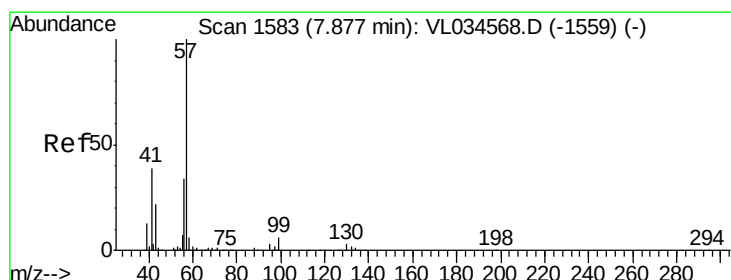
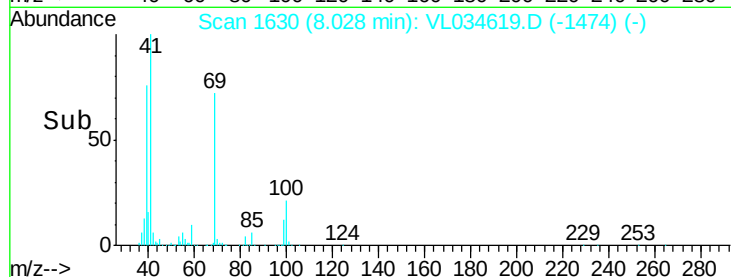
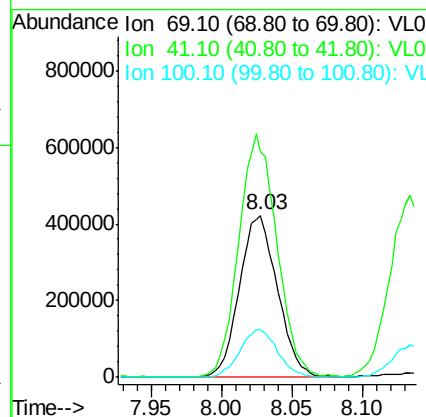
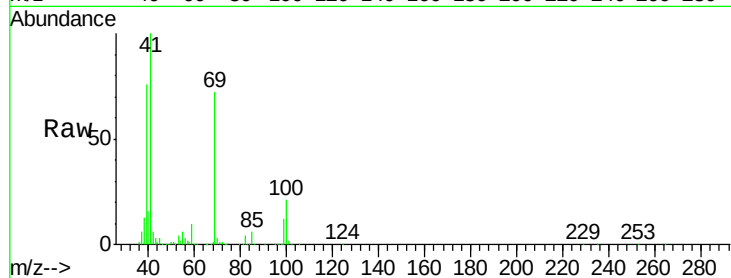
#43
Methvl Methacrylate
Concen: 10.868 ppbv
RT: 8.03 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VL034619.D
Acq: 18 Feb 2020 9:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
69	100		
41	150.6	123.9	185.9
100	29.6	24.1	36.1

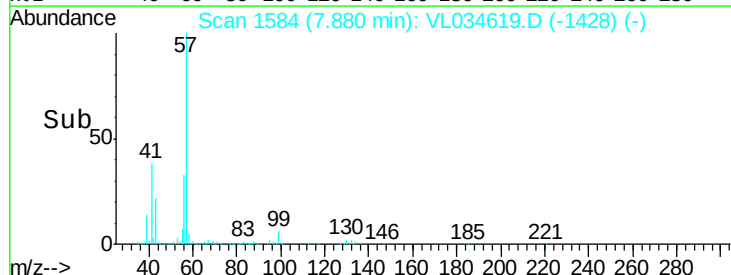
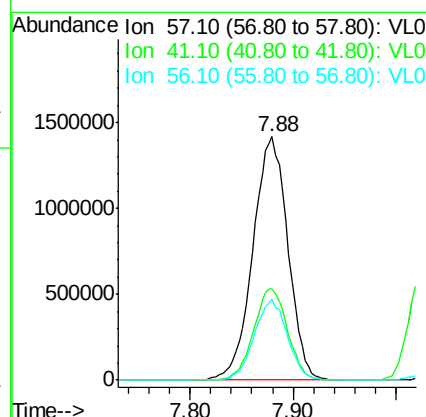
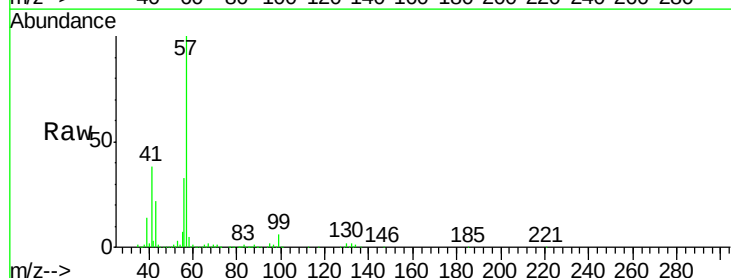
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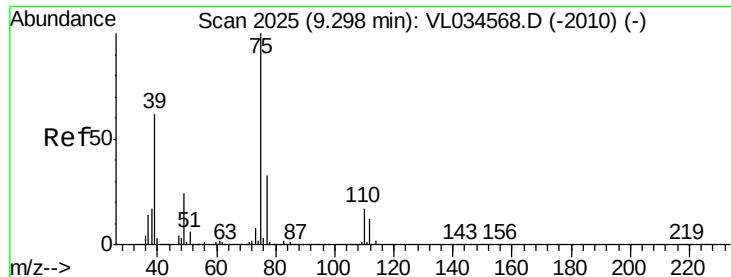
MMDadoda
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#44
2,2,4-Trimethylpentane
Concen: 10.061 ppbv
RT: 7.88 min Scan# 1584
Delta R.T. 0.00 min
Lab File: VL034619.D
Acq: 18 Feb 2020 9:57

Tgt Ion	Ratio	Lower	Upper
57	100		
41	36.4	28.9	43.3
56	31.2	25.5	38.3





#45

t-1,3-Dichloropropene

Concen: 11.961 ppbv

RT: 9.30 min Scan# 2026

Delta R.T. 0.00 min

Lab File: VL034619.D

Acq: 18 Feb 2020 9:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 75 Resp: 1149685

Ion Ratio Lower Upper

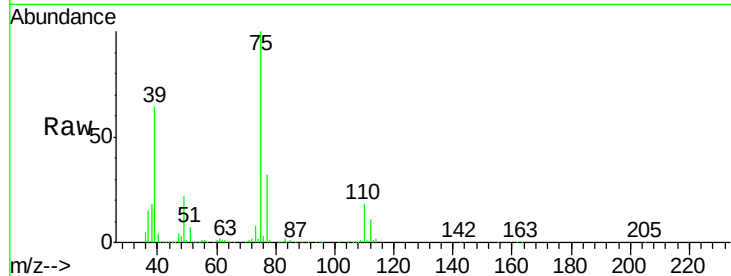
75 100

77 32.2 26.7 40.1

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Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

600000

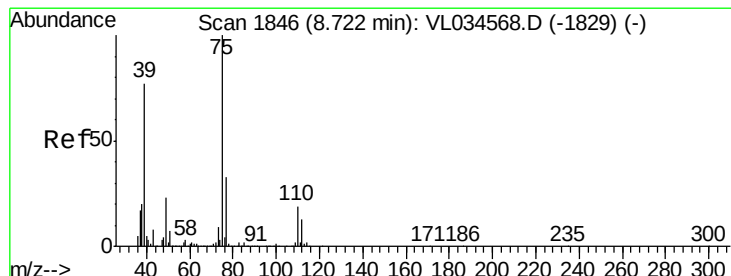
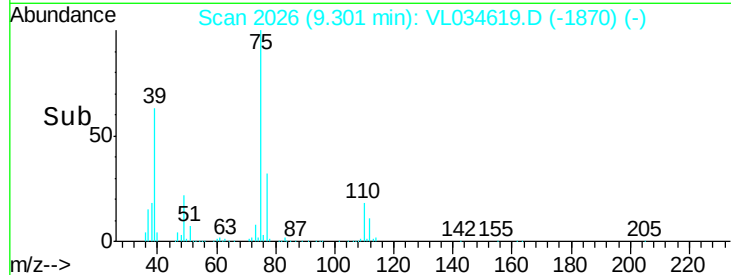
400000

200000

0

9.20 9.25 9.30 9.35

Time-->



#46

cis-1,3-Dichloropropene

Concen: 11.508 ppbv

RT: 8.72 min Scan# 1846

Delta R.T. -0.00 min

Lab File: VL034619.D

Acq: 18 Feb 2020 9:57

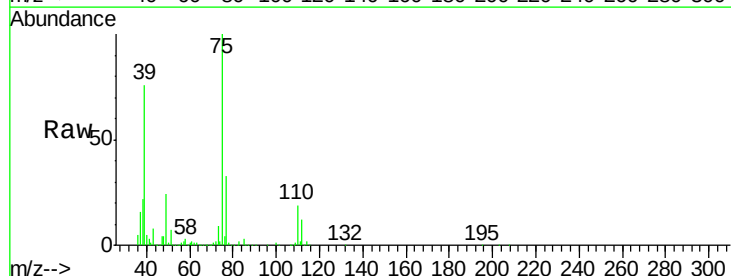
Tgt Ion: 75 Resp: 1257314

Ion Ratio Lower Upper

75 100

39 75.6 61.9 92.9

77 33.0 26.1 39.1



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

800000

600000

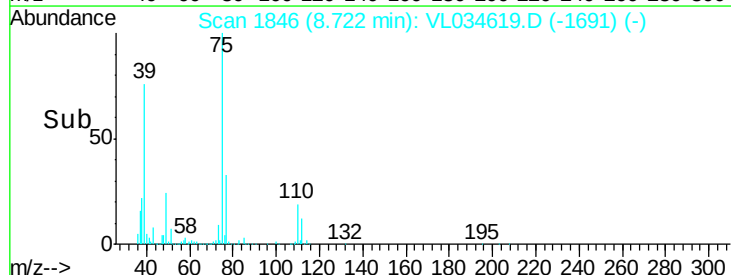
400000

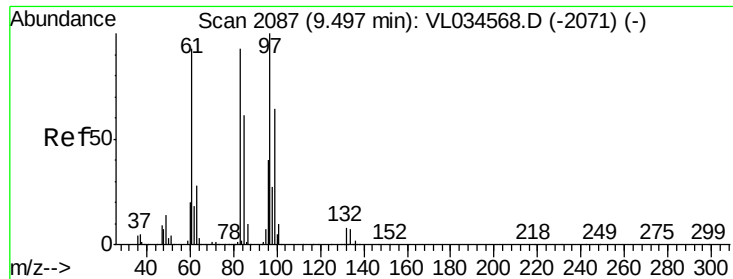
200000

0

8.65 8.70 8.75 8.80

Time-->





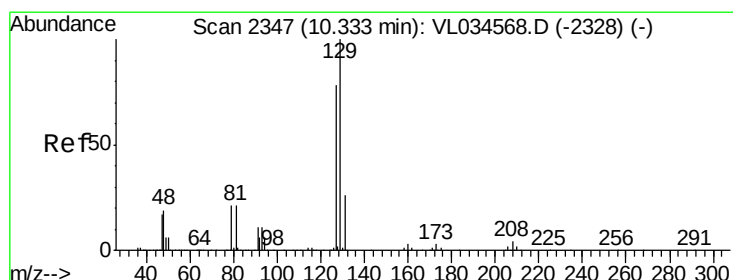
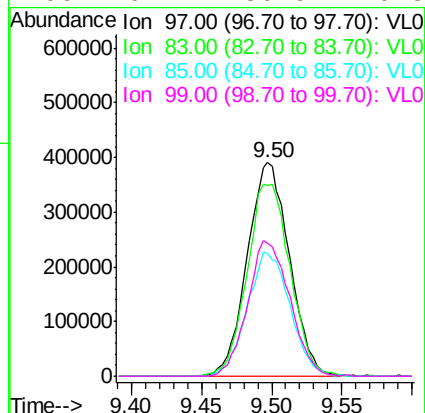
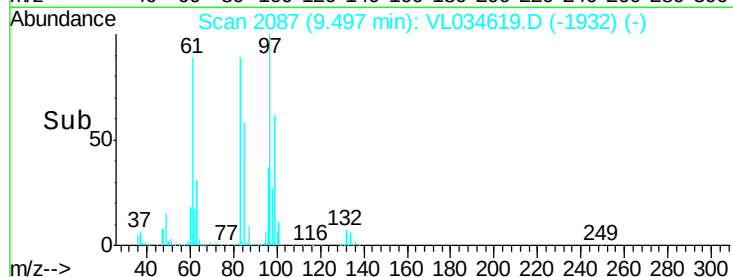
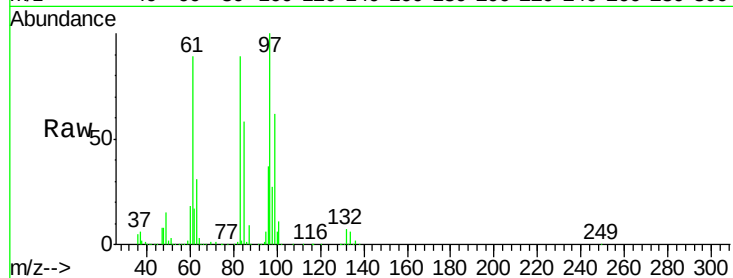
#47
 1,1,2-Trichloroethane
 Concen: 9.971 ppbv
 RT: 9.50 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VL034619.D
 Acq: 18 Feb 2020 9:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	89.3	74.4	111.6	
85	57.8	49.2	73.8	
99	62.2	50.9	76.3	

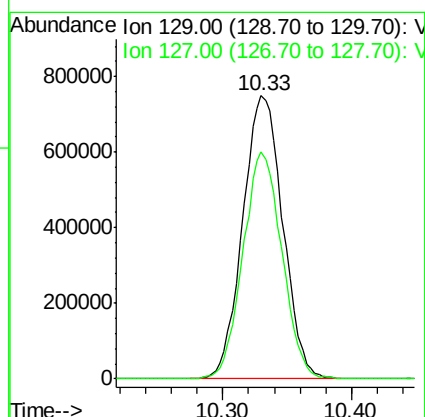
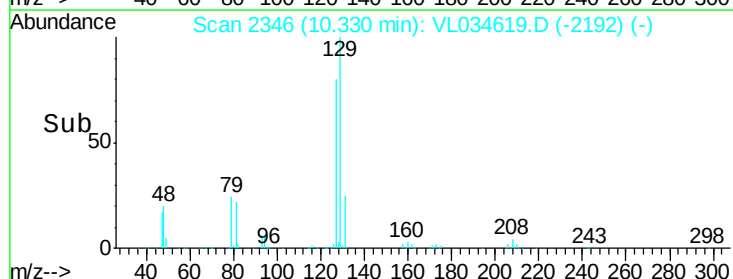
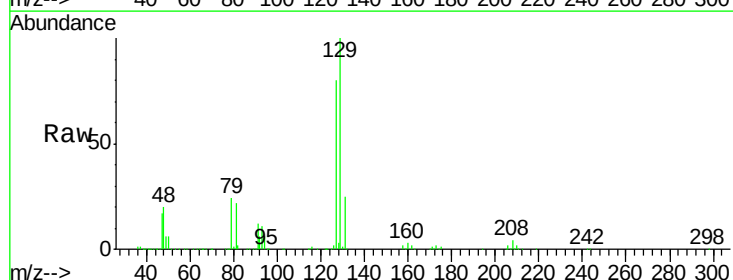
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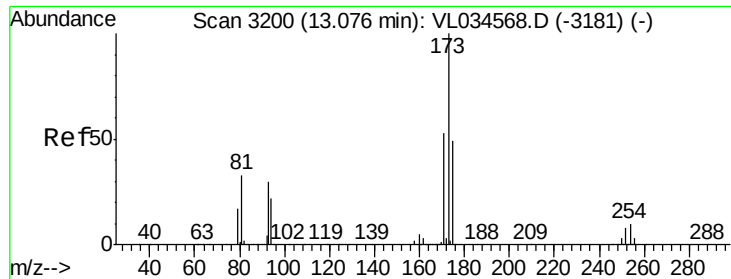
MMDadoda
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#48
 Dibromochloromethane
 Concen: 10.791 ppbv
 RT: 10.33 min Scan# 2346
 Delta R.T. -0.00 min
 Lab File: VL034619.D
 Acq: 18 Feb 2020 9:57

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	78.1	39.1	117.2	





#49

Bromoform

Concen: 11.009 ppbv

RT: 13.07 min Scan# 3199

Delta R.T. -0.00 min

Lab File: VL034619.D

Acq: 18 Feb 2020 9:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:173 Resp: 1451372

Ion Ratio Lower Upper

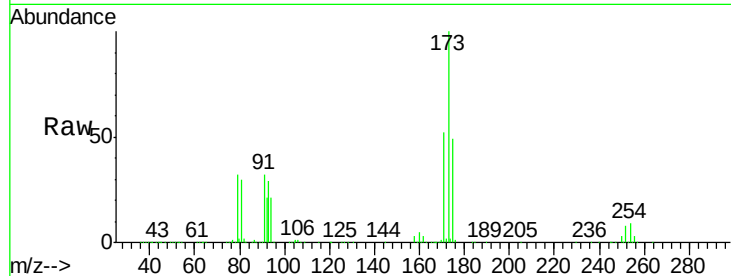
173 100

175 49.6 39.7 59.5

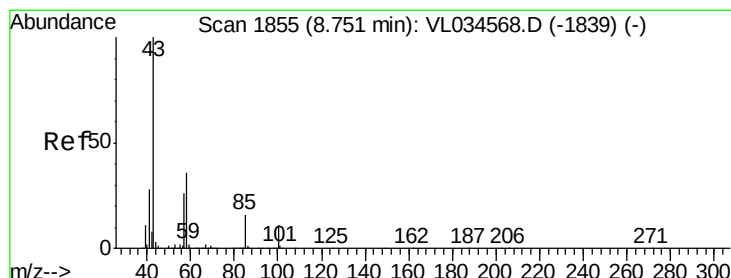
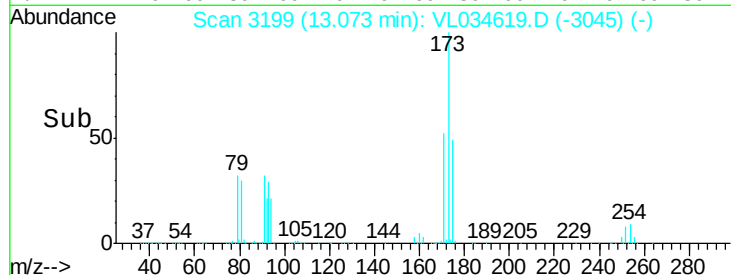
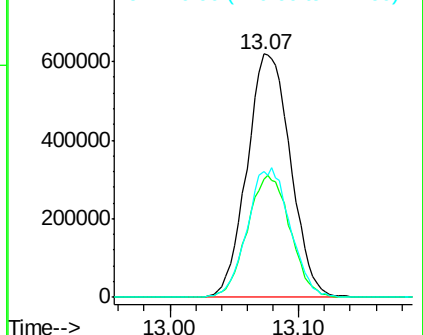
171 52.4 41.6 62.4

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



#50

4-Methyl-2-Pentanone

Concen: 10.184 ppbv

RT: 8.76 min Scan# 1857

Delta R.T. 0.01 min

Lab File: VL034619.D

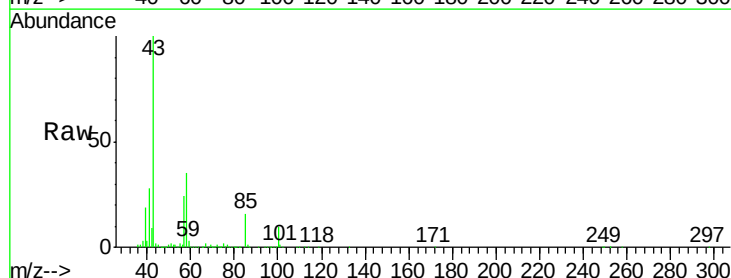
Acq: 18 Feb 2020 9:57

Tgt Ion: 43 Resp: 2164111

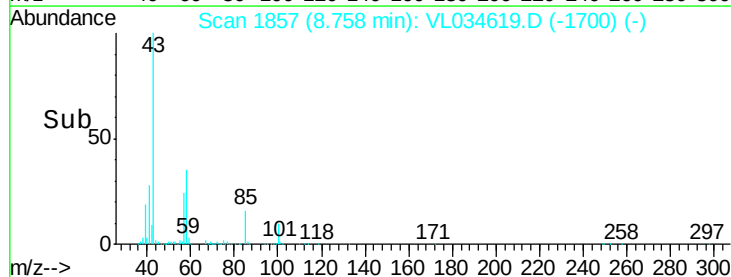
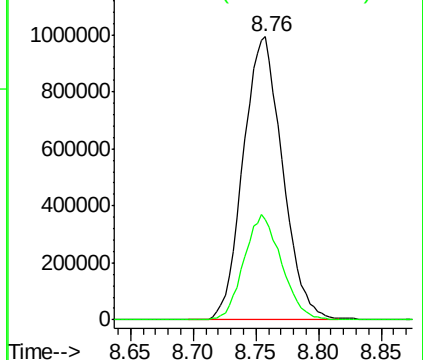
Ion Ratio Lower Upper

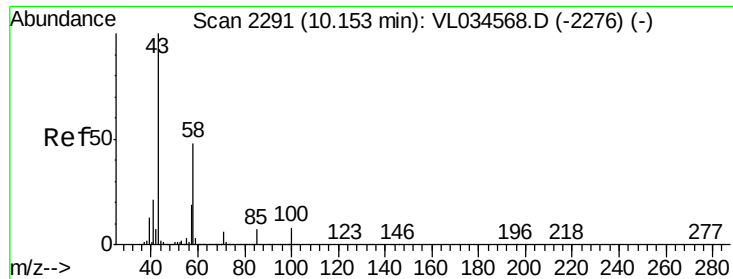
43 100

58 35.6 28.6 43.0



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





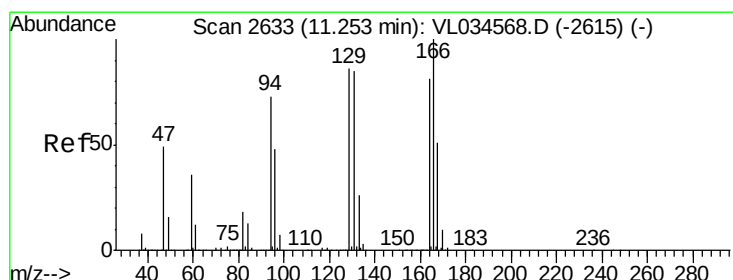
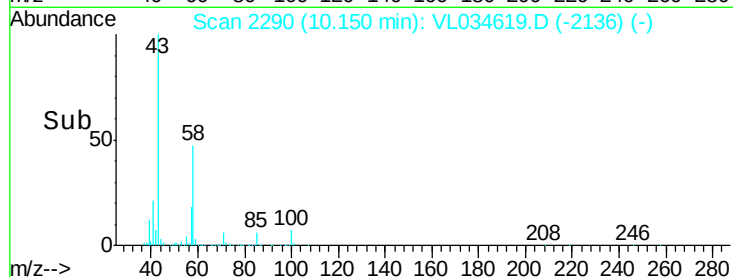
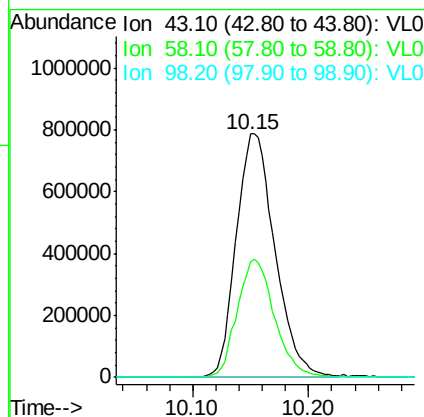
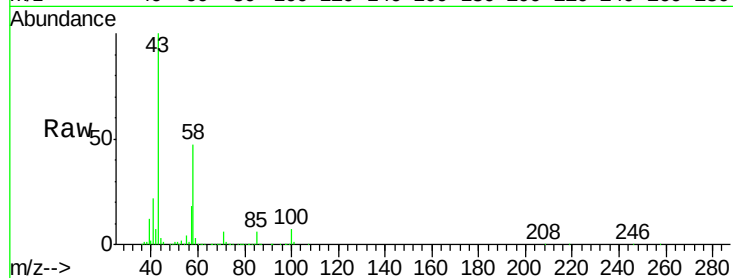
#51
2-Hexanone
Concen: 10.923 ppbv
RT: 10.15 min Scan# 2290
Delta R.T. -0.00 min
Lab File: VL034619.D
Acq: 18 Feb 2020 9:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 1827207
Ion Ratio Lower Upper
43 100
58 46.7 37.9 56.9
98 0.3 0.3 0.5#

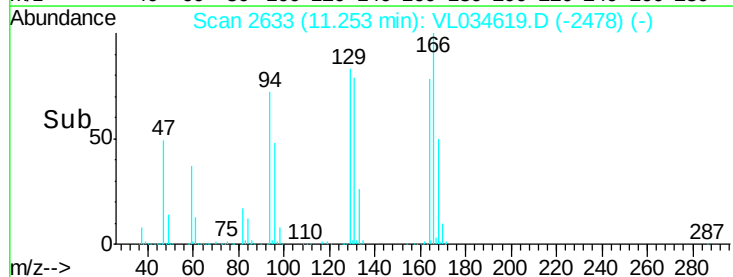
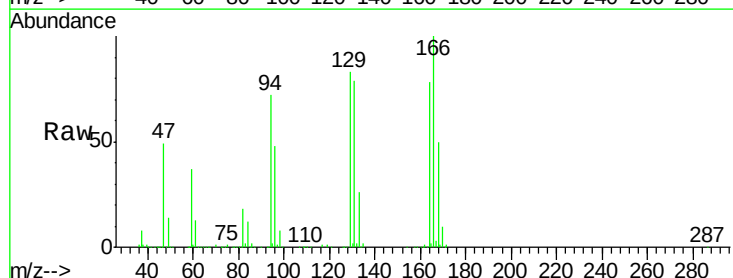
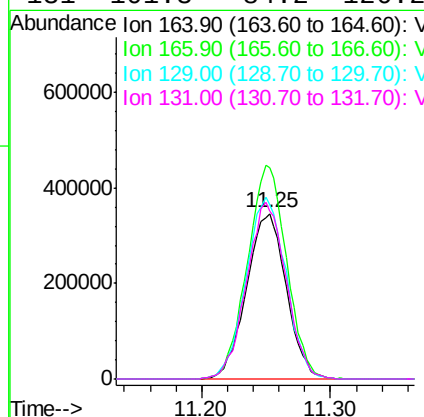
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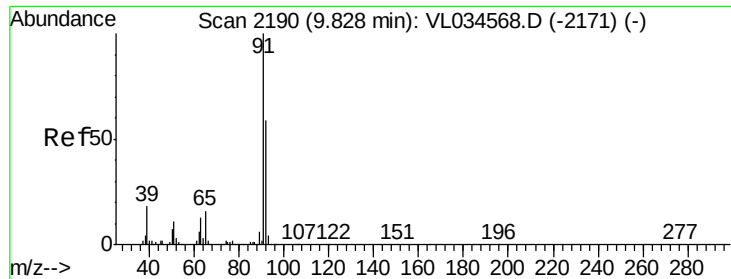
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#52
Tetrachloroethene
Concen: 10.147 ppbv
RT: 11.25 min Scan# 2633
Delta R.T. -0.00 min
Lab File: VL034619.D
Acq: 18 Feb 2020 9:57

Tgt Ion: 164 Resp: 743995
Ion Ratio Lower Upper
164 100
166 127.6 99.0 148.4
129 105.4 85.3 127.9
131 101.3 84.2 126.2





#53

Toluene

Concen: 10.994 ppbv

RT: 9.83 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VL034619.D

Acq: 18 Feb 2020 9:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 2204224

Ion Ratio Lower Upper

91 100

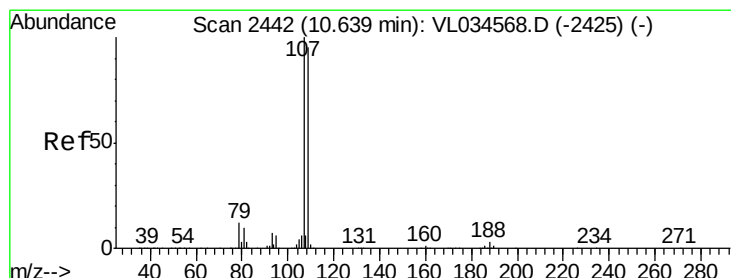
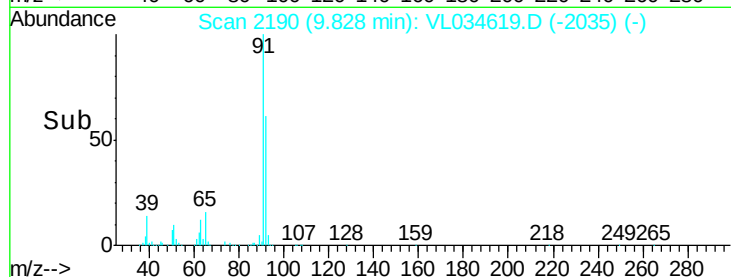
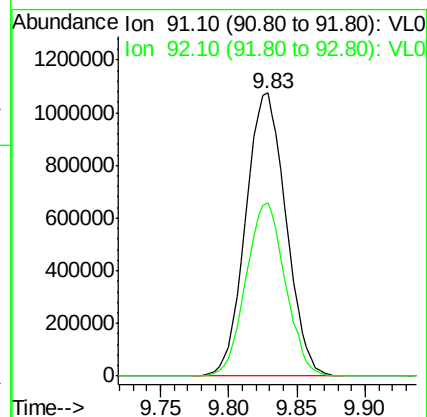
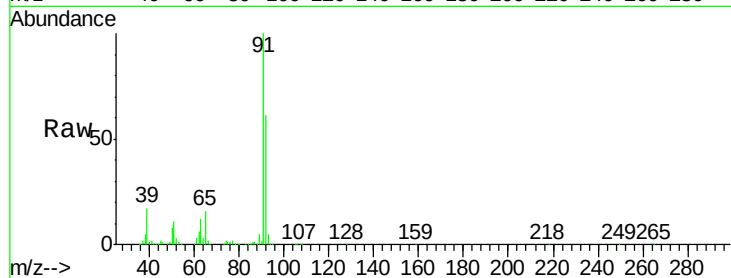
92 60.0 48.2 72.2

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 10.299 ppbv

RT: 10.64 min Scan# 2441

Delta R.T. -0.00 min

Lab File: VL034619.D

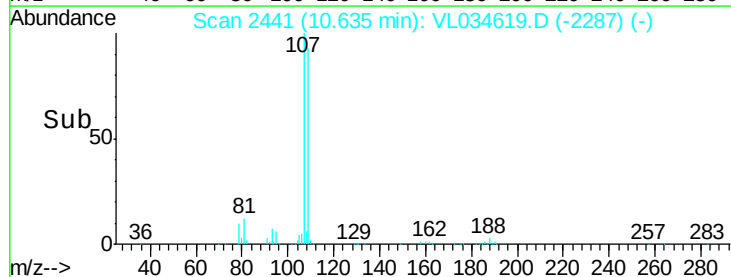
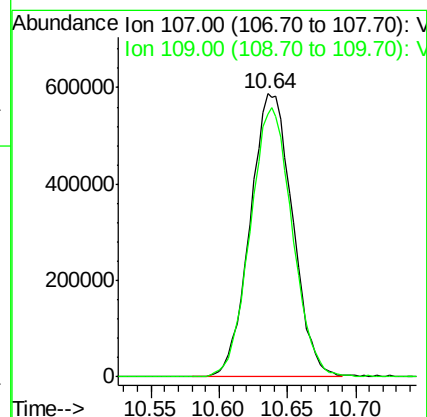
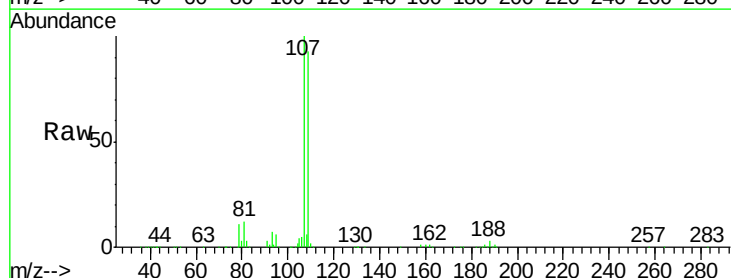
Acq: 18 Feb 2020 9:57

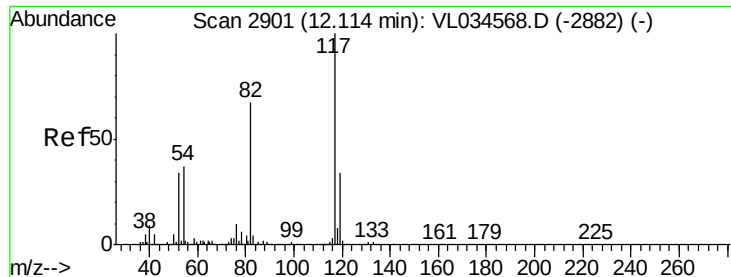
Tgt Ion: 107 Resp: 1264774

Ion Ratio Lower Upper

107 100

109 93.0 75.9 113.9





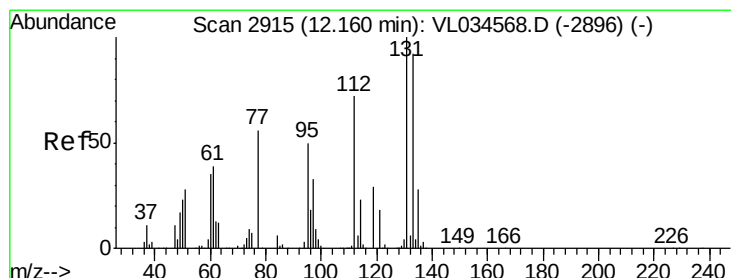
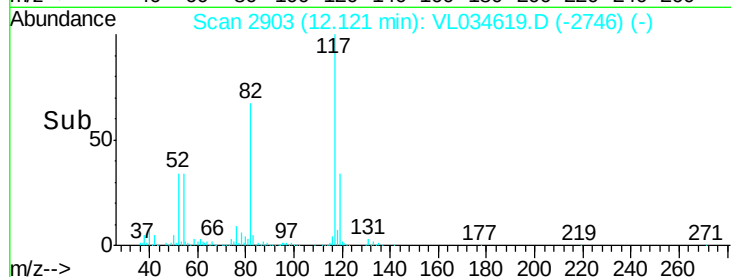
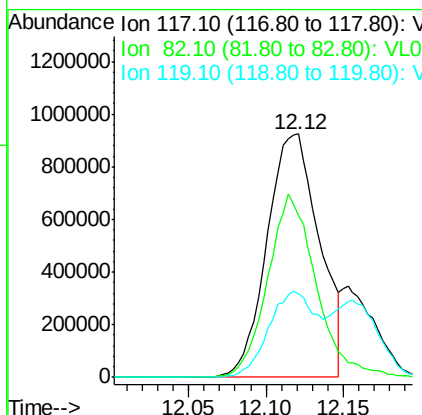
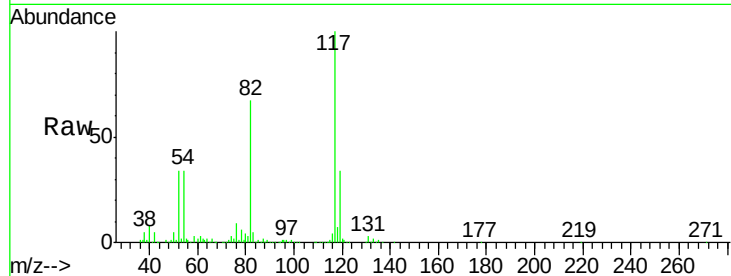
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2903
Delta R.T. 0.01 min
Lab File: VL034619.D
Acq: 18 Feb 2020 9:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
117	100		
82	70.0	54.2	81.4
119	30.1	26.1	39.1

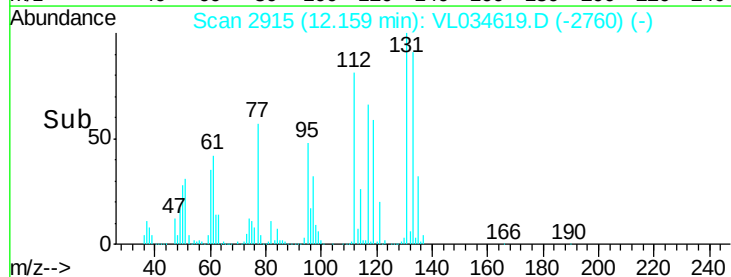
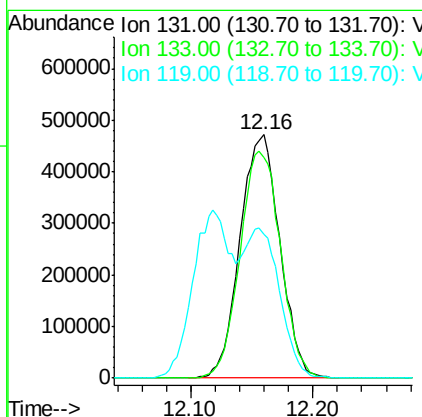
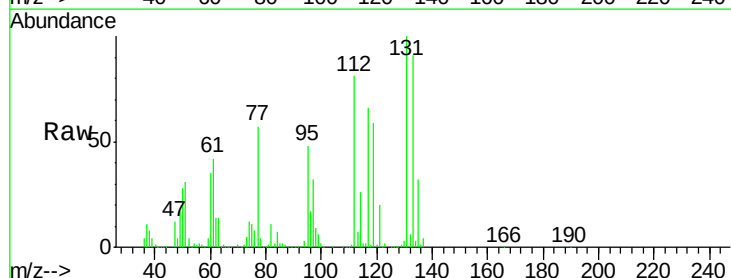
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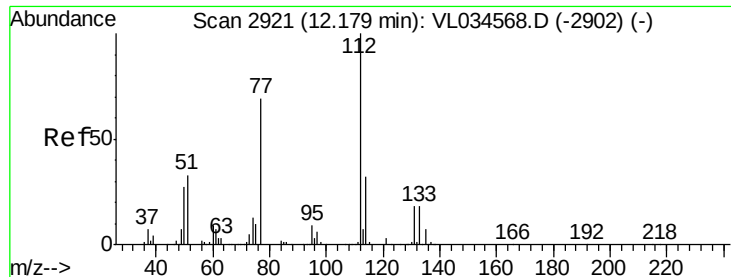
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.878 ppbv
RT: 12.16 min Scan# 2915
Delta R.T. -0.00 min
Lab File: VL034619.D
Acq: 18 Feb 2020 9:57

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.2	75.8	113.8
119	58.3	47.0	70.6





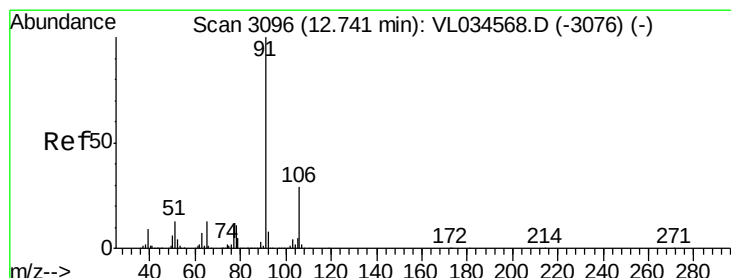
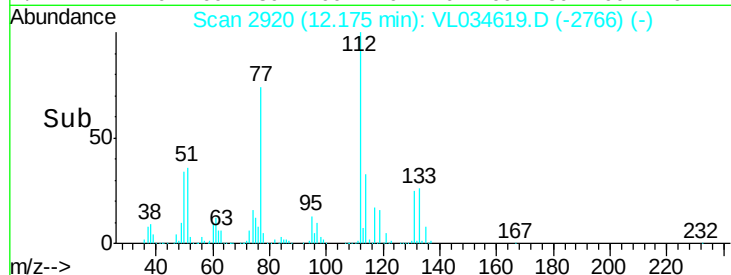
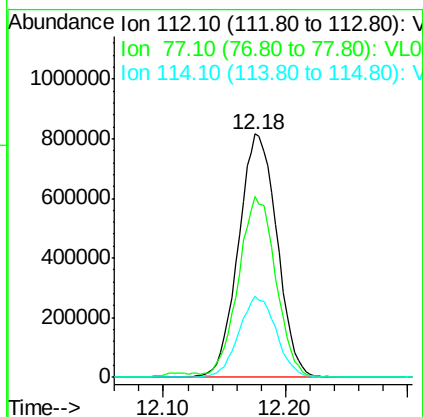
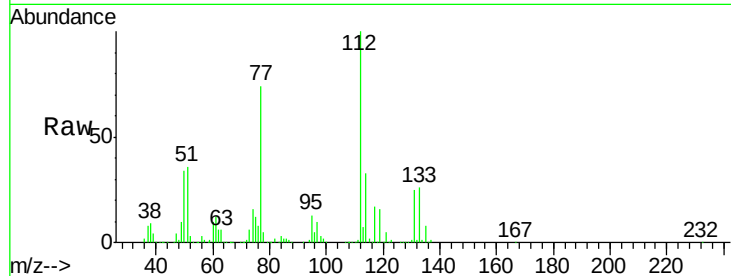
#57
Chlorobenzene
Concen: 9.918 ppbv
RT: 12.18 min Scan# 2920
Delta R.T. -0.00 min
Lab File: VL034619.D
Acq: 18 Feb 2020 9:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 112 Resp: 1777535
Ion Ratio Lower Upper
112 100
77 74.4 56.5 84.7
114 33.3 29.2 35.6

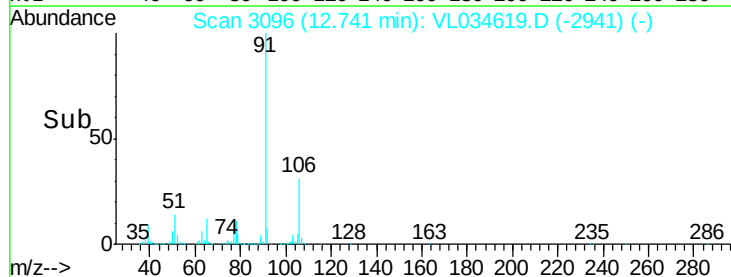
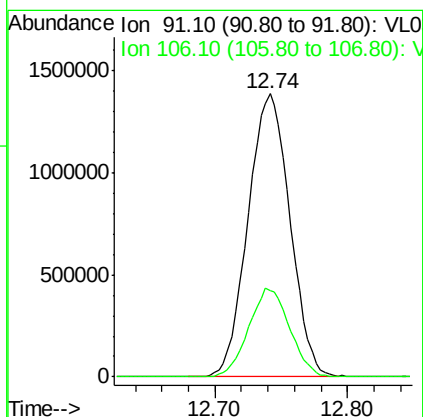
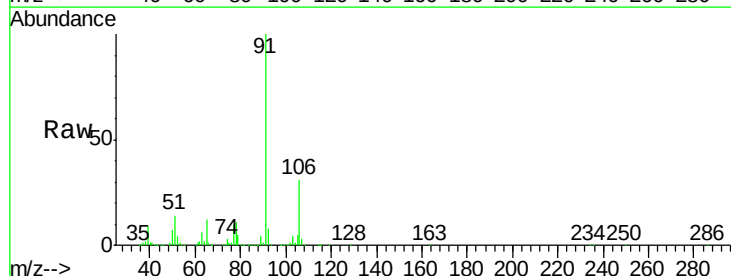
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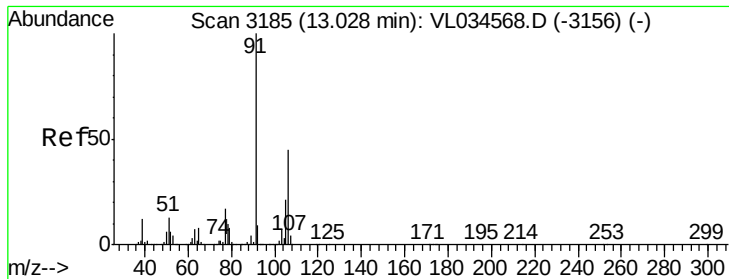
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#58
Ethyl Benzene
Concen: 10.463 ppbv
RT: 12.74 min Scan# 3096
Delta R.T. -0.00 min
Lab File: VL034619.D
Acq: 18 Feb 2020 9:57

Tgt Ion: 91 Resp: 3049338
Ion Ratio Lower Upper
91 100
106 30.7 23.3 34.9





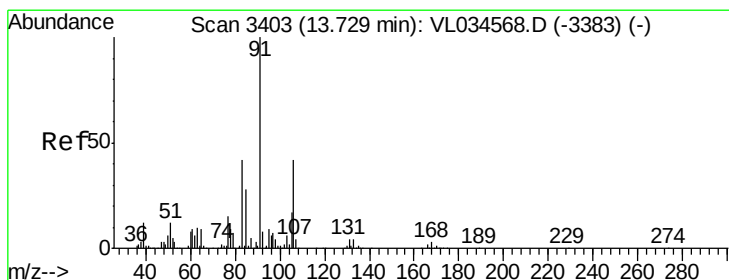
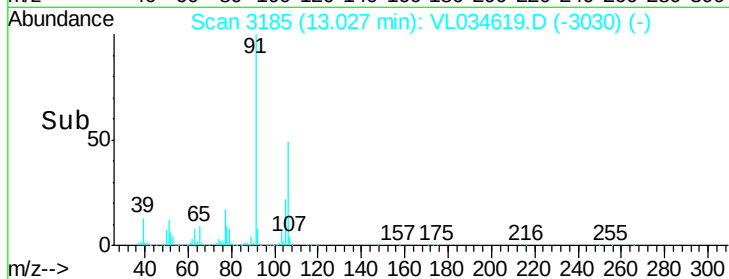
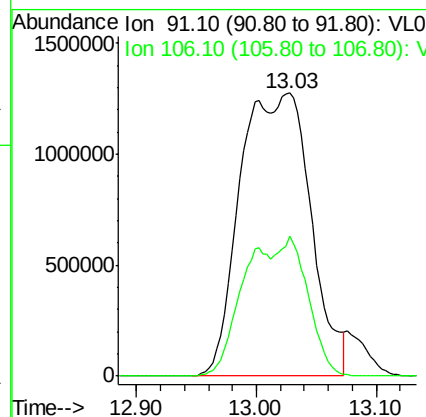
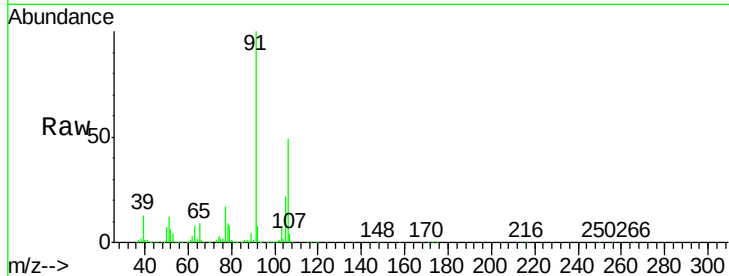
#59
m/p-Xylene
Concen: 20.303 ppbv m
RT: 13.03 min Scan# 3185
Delta R.T. -0.00 min
Lab File: VL034619.D
Acq: 18 Feb 2020 9:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp: 5230524
Ion Ratio Lower Upper
91 100
106 43.9 35.3 52.9

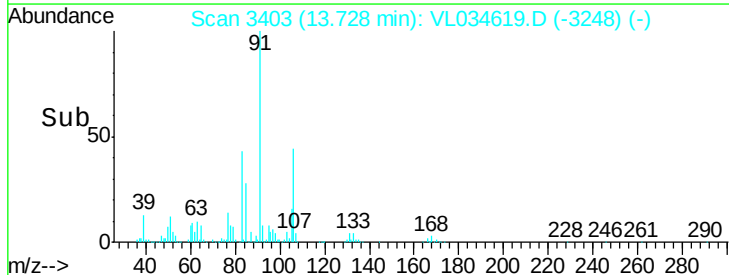
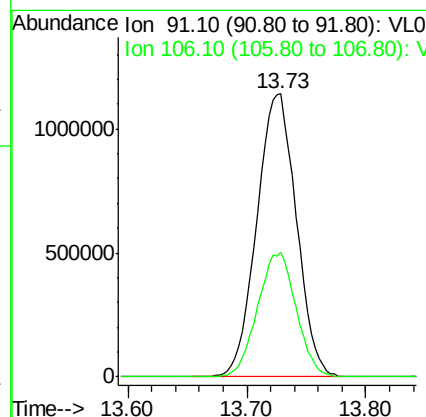
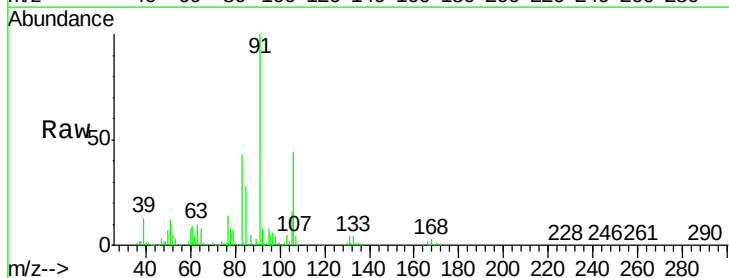
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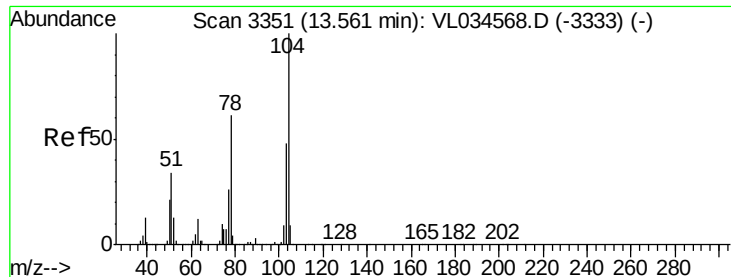
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#60
o-Xylene
Concen: 10.138 ppbv
RT: 13.73 min Scan# 3403
Delta R.T. -0.00 min
Lab File: VL034619.D
Acq: 18 Feb 2020 9:57

Tgt Ion: 91 Resp: 2623062
Ion Ratio Lower Upper
91 100
106 43.0 21.6 65.0





#61

Stvrene

Concen: 11.047 ppbv

RT: 13.56 min Scan# 3351

Delta R.T. -0.00 min

Lab File: VL034619.D

Acq: 18 Feb 2020 9:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:104 Resp: 1905829

Ion Ratio Lower Upper

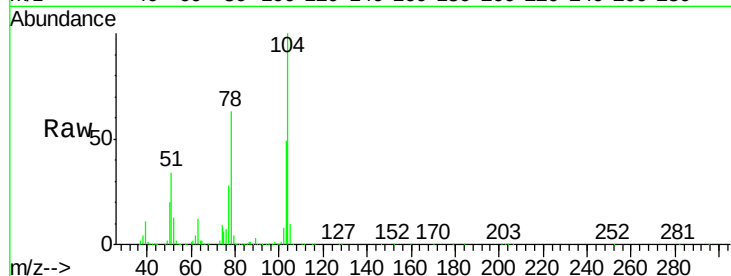
104 100

78 60.0 47.0 70.6

103 48.1 38.5 57.7

Manual Integrations
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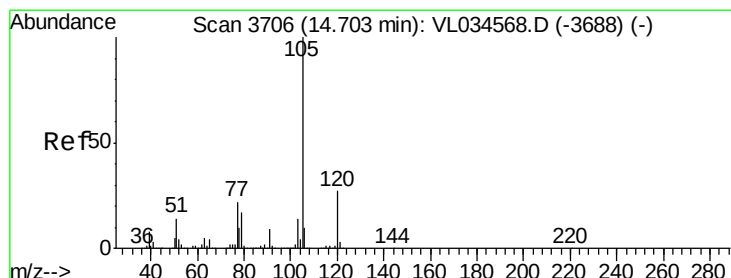
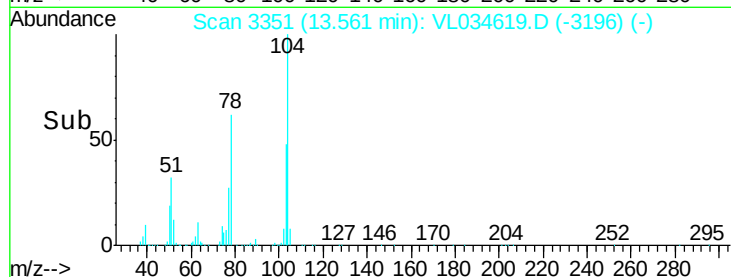
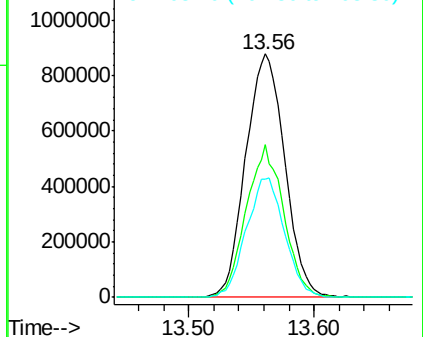
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Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 10.037 ppbv

RT: 14.70 min Scan# 3706

Delta R.T. -0.00 min

Lab File: VL034619.D

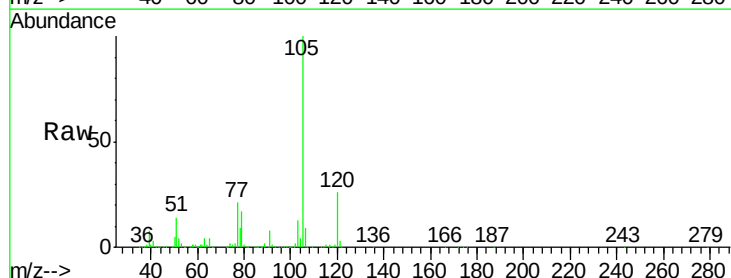
Acq: 18 Feb 2020 9:57

Tgt Ion:105 Resp: 3365299

Ion Ratio Lower Upper

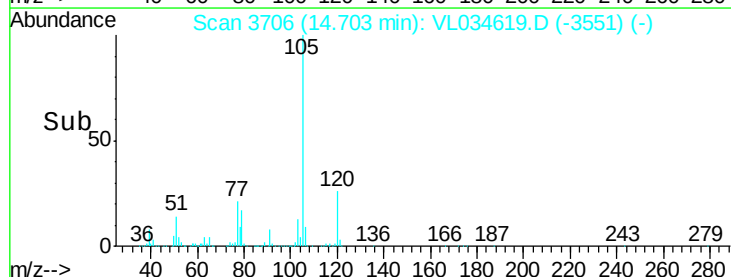
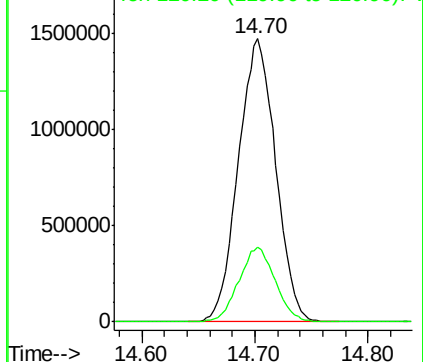
105 100

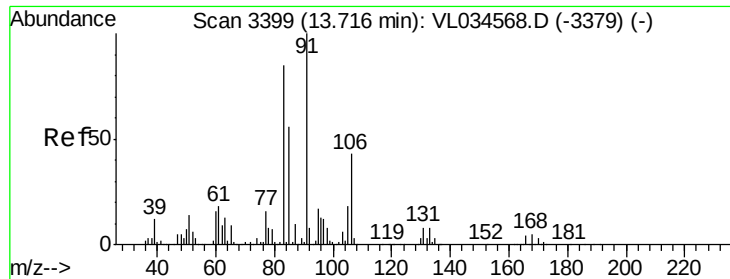
120 25.7 20.7 31.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





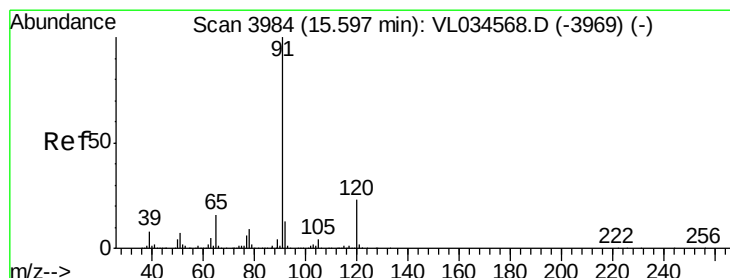
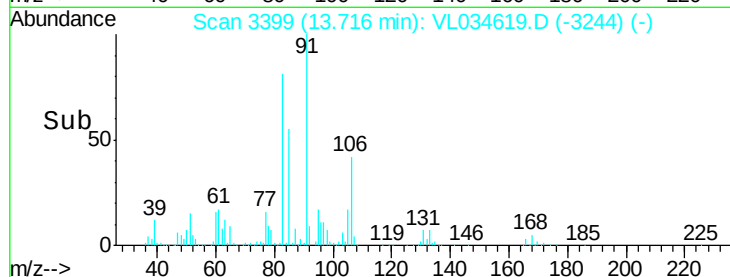
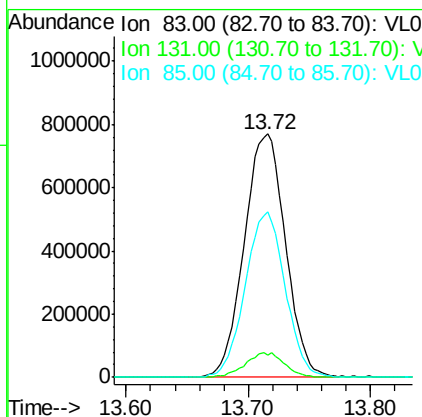
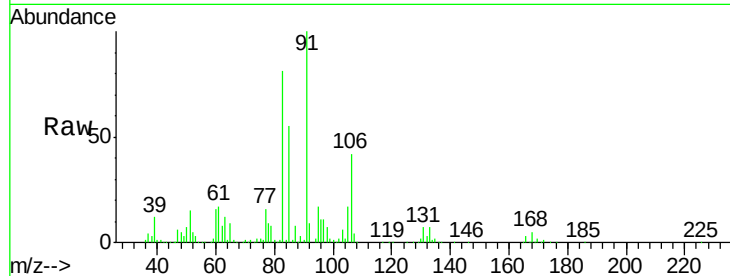
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.994 ppbv
 RT: 13.72 min Scan# 3399
 Delta R.T. -0.00 min
 Lab File: VL034619.D
 Acq: 18 Feb 2020 9:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 83 Resp: 1799764
 Ion Ratio Lower Upper
 83 100
 131 9.6 4.9 14.6
 85 65.9 32.6 98.0

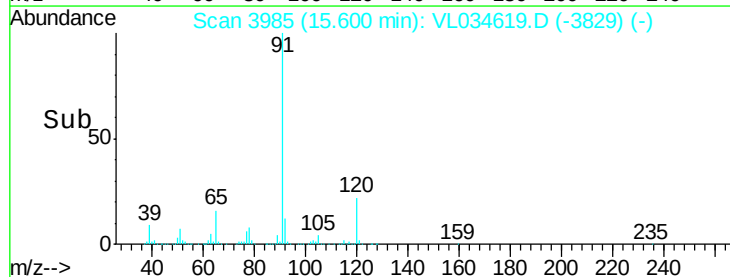
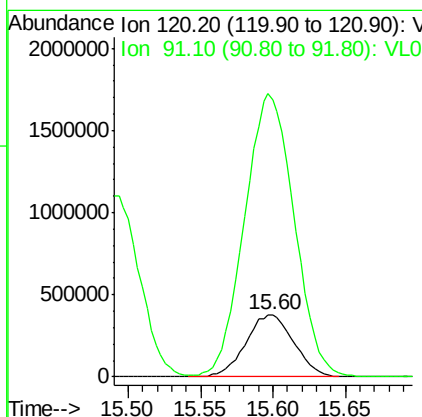
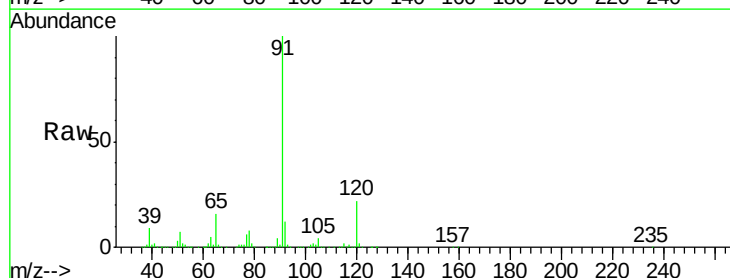
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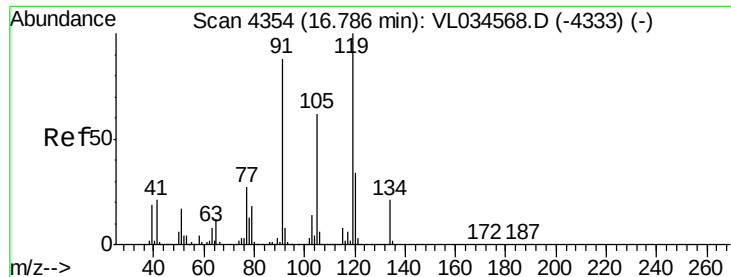
MMDadoda
 2/21/2020 3:25:19 PM



#64
 n-propylbenzene
 Concen: 10.100 ppbv
 RT: 15.60 min Scan# 3985
 Delta R.T. 0.00 min
 Lab File: VL034619.D
 Acq: 18 Feb 2020 9:57

Tgt Ion: 120 Resp: 871237
 Ion Ratio Lower Upper
 120 100
 91 471.2 365.3 547.9





#65

tert-Butylbenzene

Concen: 9.947 ppbv

RT: 16.78 min Scan# 4353

Delta R.T. -0.00 min

Lab File: VL034619.D

Acq: 18 Feb 2020 9:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:119 Resp: 3021429

Ion Ratio Lower Upper

119 100

91 91.1 72.2 108.4

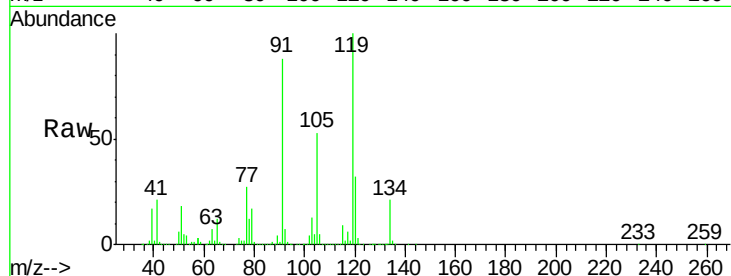
134 19.9 15.9 23.9

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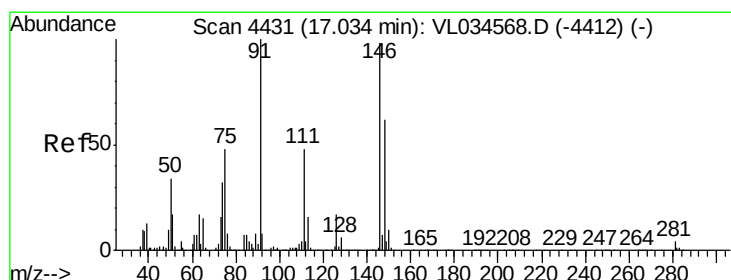
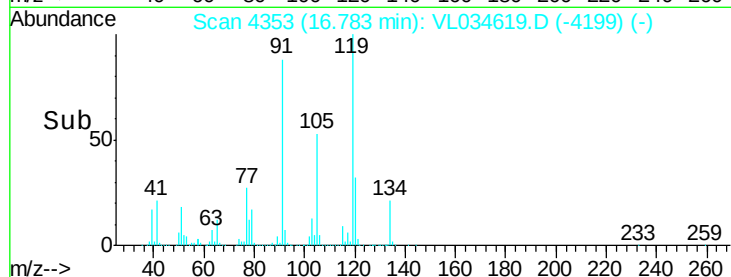
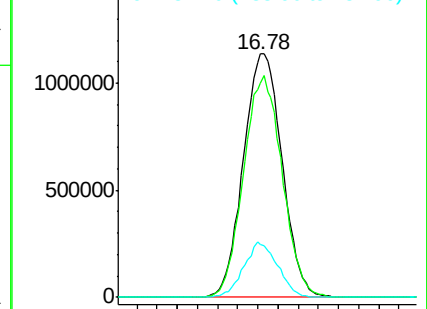
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Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 11.653 ppbv

RT: 17.03 min Scan# 4430

Delta R.T. -0.00 min

Lab File: VL034619.D

Acq: 18 Feb 2020 9:57

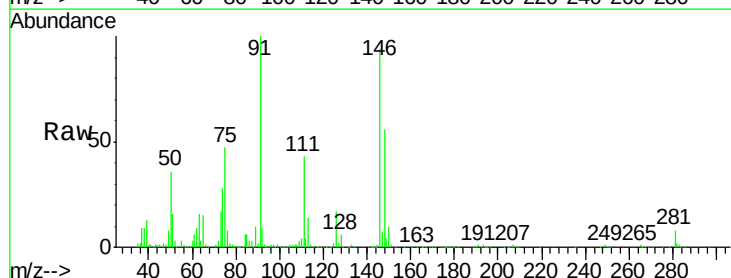
Tgt Ion: 91 Resp: 1484272

Ion Ratio Lower Upper

91 100

126 16.7 13.4 20.0

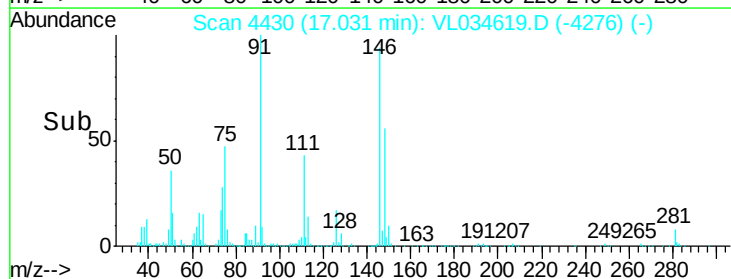
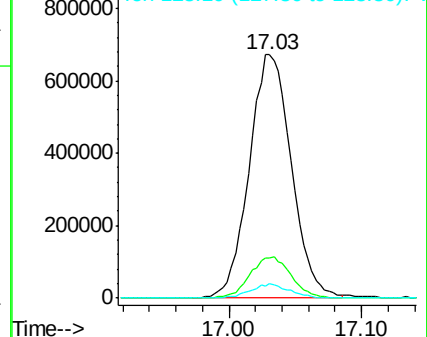
128 5.5 4.3 6.5

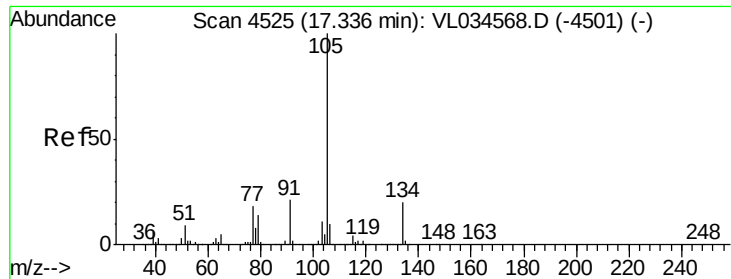


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 9.863 ppbv

RT: 17.33 min Scan# 4524

Delta R.T. -0.00 min

Lab File: VL034619.D

Acq: 18 Feb 2020 9:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:105 Resp: 4117146

Ion Ratio Lower Upper

105 100

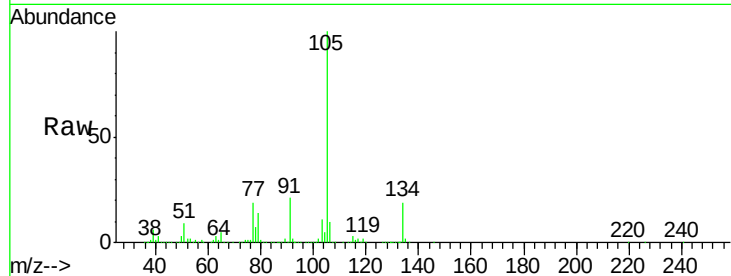
134 18.9 15.5 23.3

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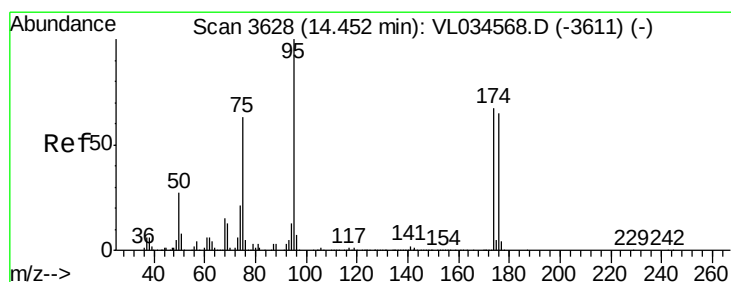
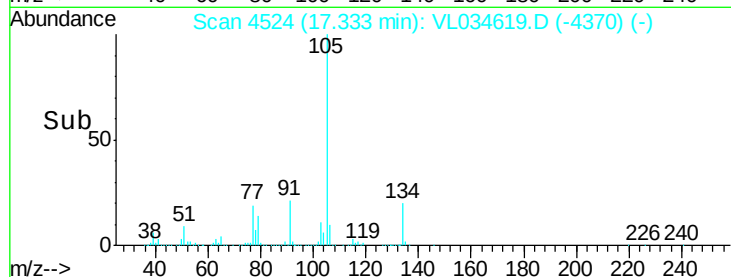
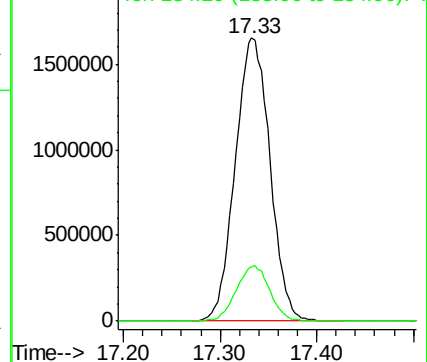
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.023 ppbv

RT: 14.45 min Scan# 3628

Delta R.T. -0.00 min

Lab File: VL034619.D

Acq: 18 Feb 2020 9:57

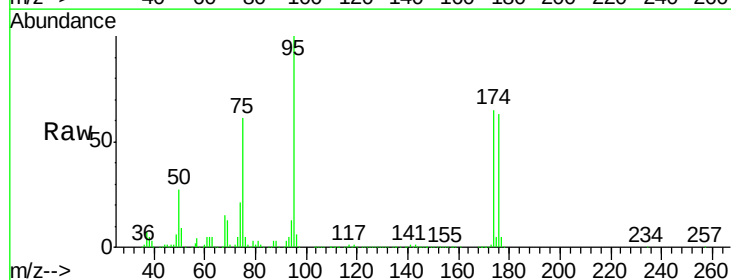
Tgt Ion: 95 Resp: 1844919

Ion Ratio Lower Upper

95 100

174 65.2 52.3 78.5

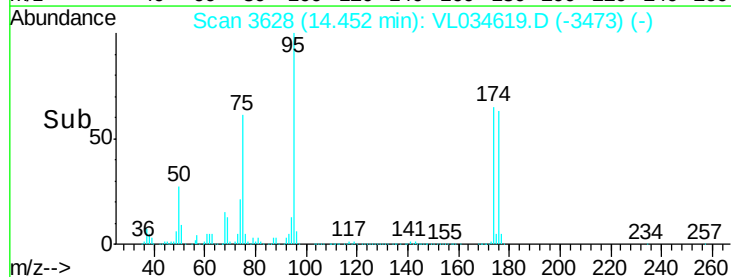
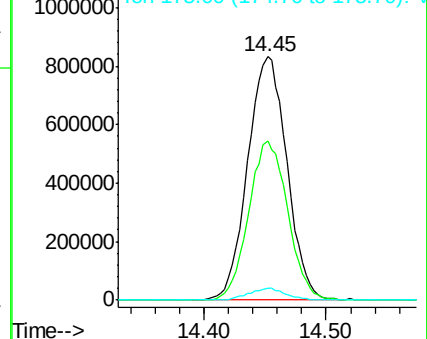
175 4.6 3.8 5.6

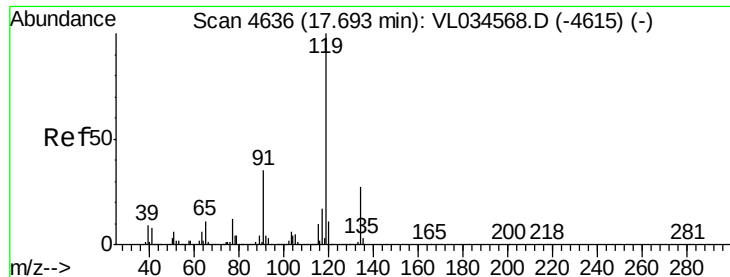


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





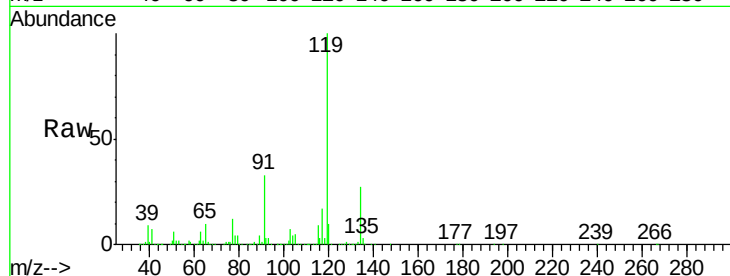
#69
 p-Isopropyltoluene
 Concen: 10.141 ppbv
 RT: 17.69 min Scan# 4636
 Delta R.T. -0.00 min
 Lab File: VL034619.D
 Acq: 18 Feb 2020 9:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

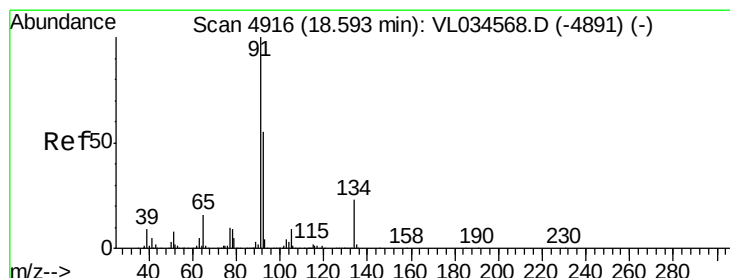
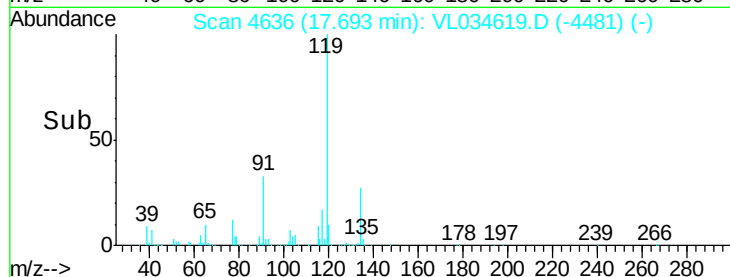
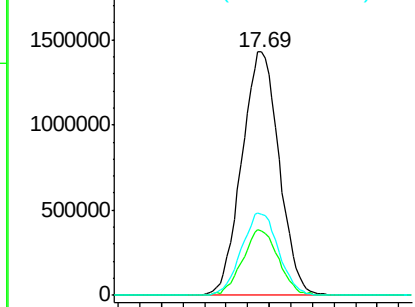
Tot Ion	Ratio	Lower	Upper
119	100		
134	26.0	20.7	31.1
91	33.8	26.9	40.3

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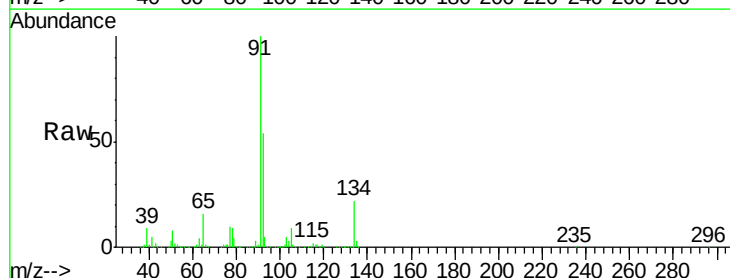


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

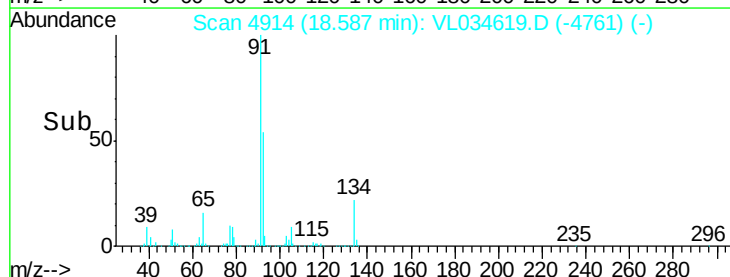
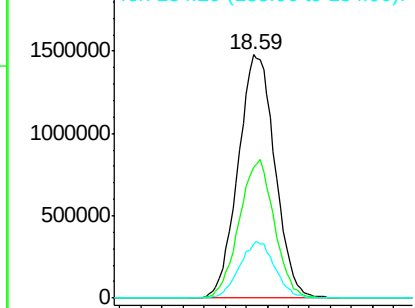


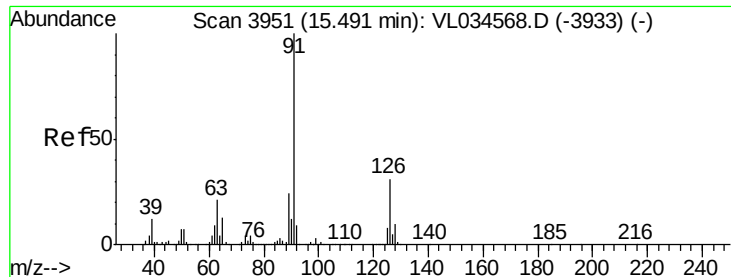
#70
 n-Butylbenzene
 Concen: 9.938 ppbv
 RT: 18.59 min Scan# 4914
 Delta R.T. -0.01 min
 Lab File: VL034619.D
 Acq: 18 Feb 2020 9:57

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.5	43.6	65.4
134	22.4	18.2	27.4



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 10.291 ppbv

RT: 15.49 min Scan# 3950

Delta R.T. -0.00 min

Lab File: VL034619.D

Acq: 18 Feb 2020 9:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 2619180

Ion Ratio Lower Upper

91 100

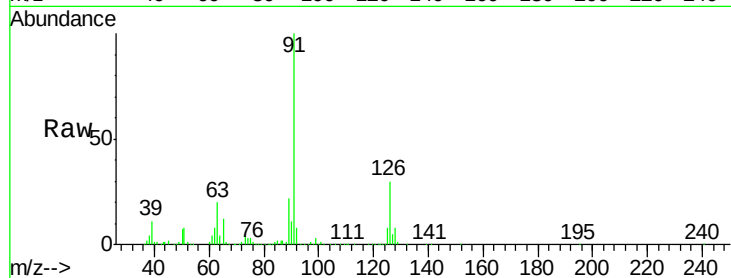
126 30.3 12.0 47.8

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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

2000000

1500000

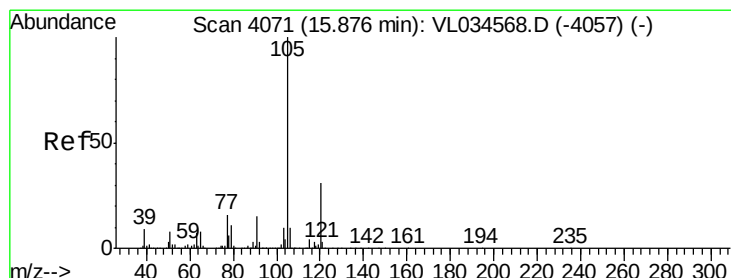
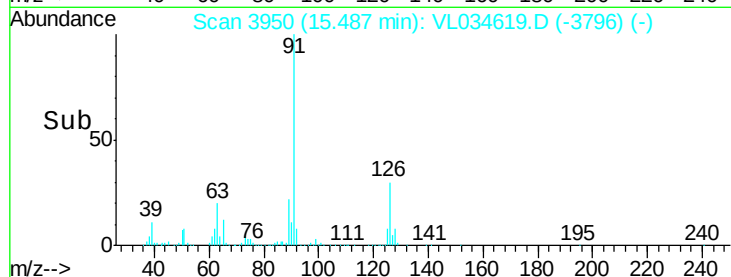
1000000

500000

0

15.40 15.50

Time-->



#72

4-Ethyltoluene

Concen: 10.359 ppbv

RT: 15.88 min Scan# 4071

Delta R.T. -0.00 min

Lab File: VL034619.D

Acq: 18 Feb 2020 9:57

Tgt Ion:105 Resp: 2944071

Ion Ratio Lower Upper

105 100

120 28.9 23.8 35.6

91 14.8 11.8 17.8

77 16.1 13.0 19.6

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

2000000

1500000

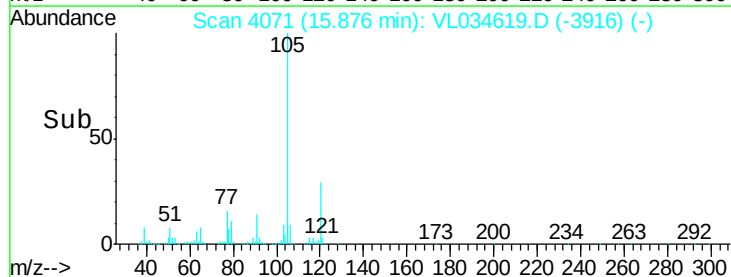
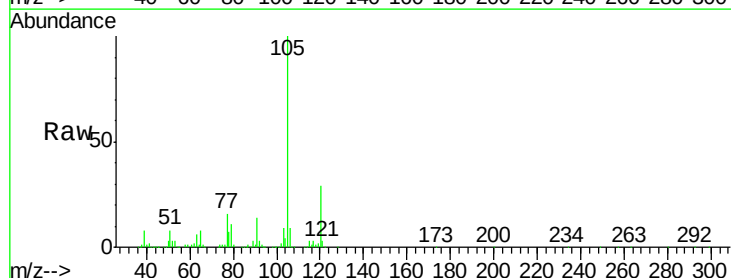
1000000

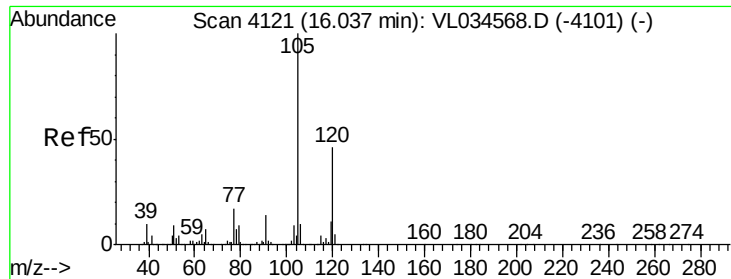
500000

0

15.80 15.90

Time-->





#73

1,3,5-Trimethylbenzene

Concen: 10.190 ppbv

RT: 16.03 min Scan# 4120

Delta R.T. -0.00 min

Lab File: VL034619.D

Acq: 18 Feb 2020 9:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:105 Resp: 2829955

Ion Ratio Lower Upper

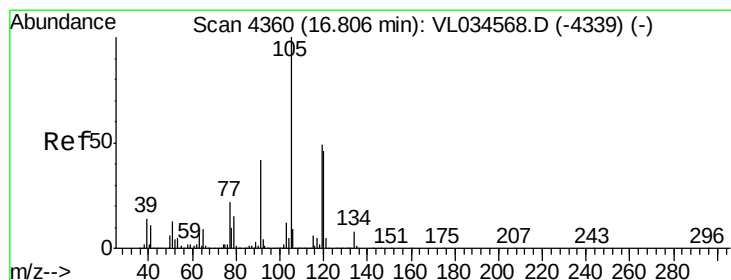
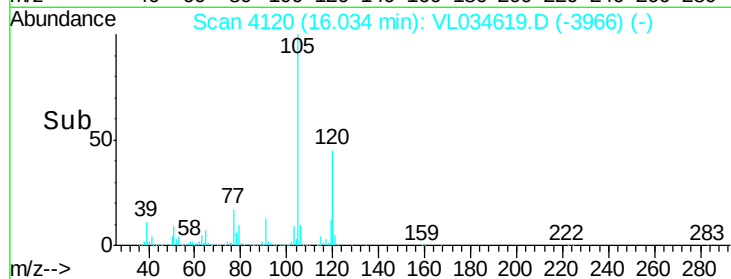
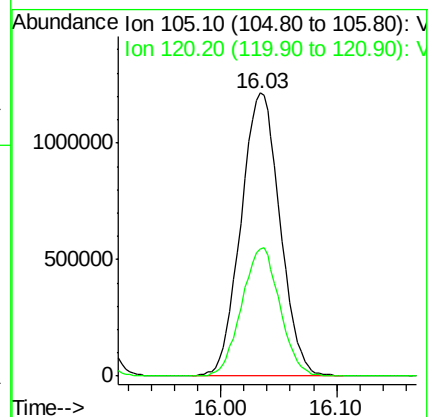
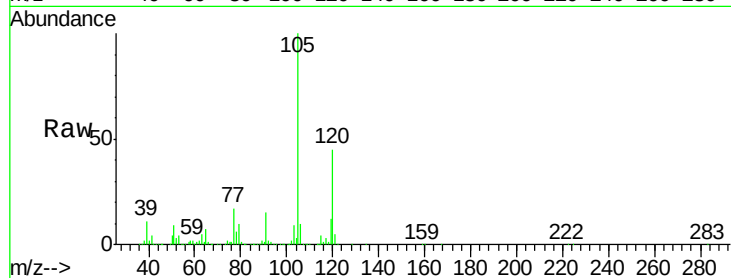
105 100

120 44.9 37.0 55.6

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#74

1,2,4-Trimethylbenzene

Concen: 9.617 ppbv

RT: 16.80 min Scan# 4359

Delta R.T. -0.00 min

Lab File: VL034619.D

Acq: 18 Feb 2020 9:57

Tgt Ion:105 Resp: 2956566

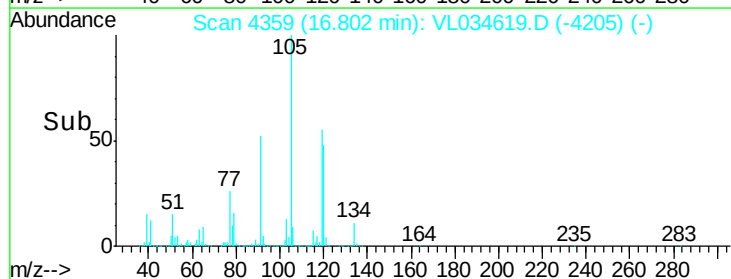
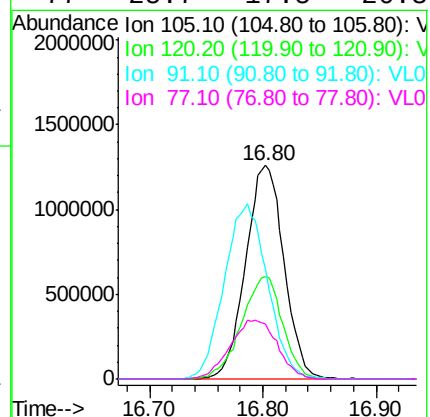
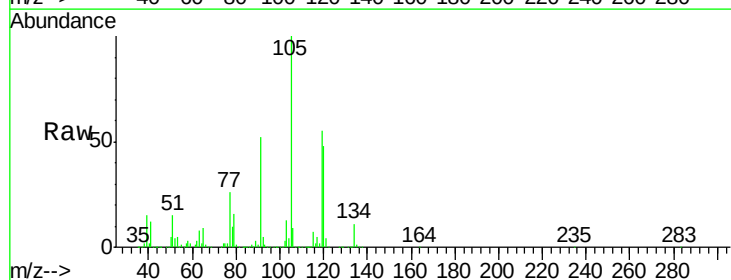
Ion Ratio Lower Upper

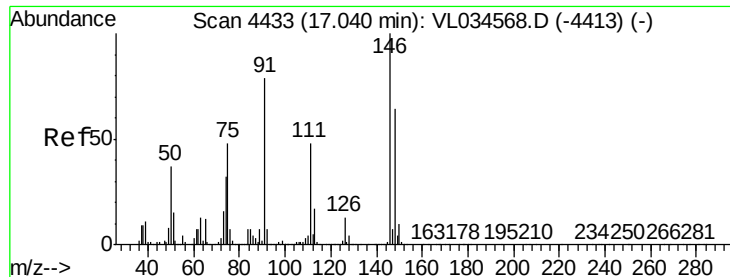
105 100

120 47.9 37.1 55.7

91 51.4 34.3 51.5

77 25.7 17.5 26.3





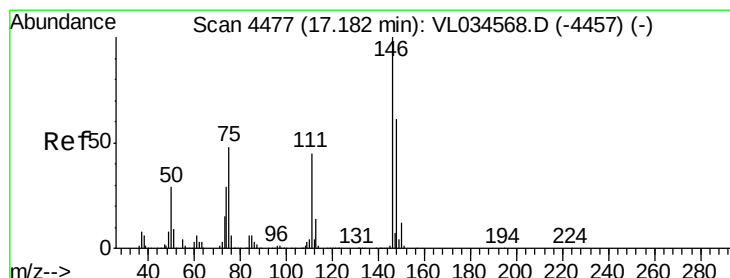
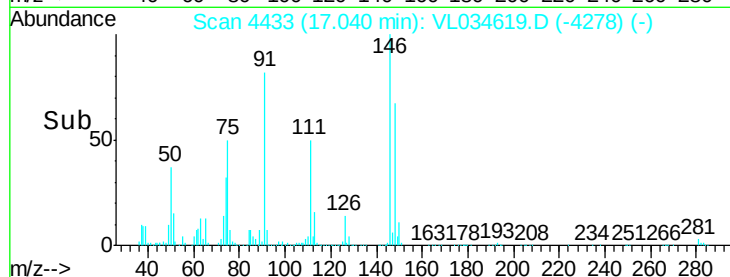
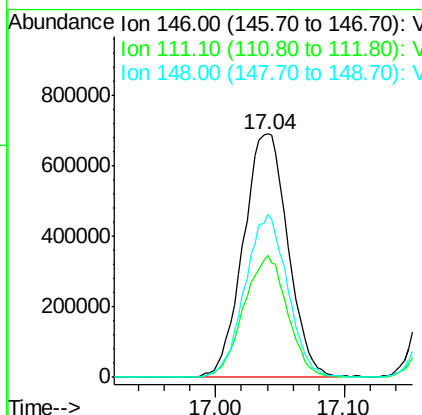
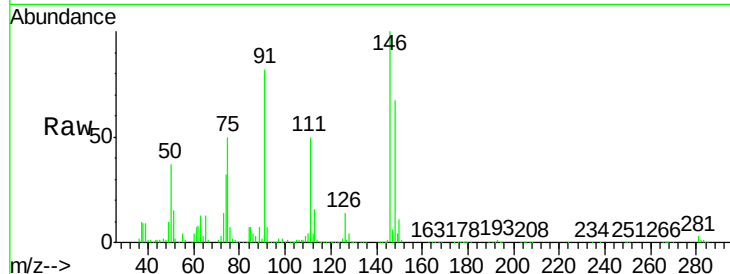
#75
 1,3-Dichlorobenzene
 Concen: 9.403 ppbv
 RT: 17.04 min Scan# 4433
 Delta R.T. -0.00 min
 Lab File: VL034619.D
 Acq: 18 Feb 2020 9:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:146 Resp: 1664433
 Ion Ratio Lower Upper
 146 100
 111 49.0 24.7 74.1
 148 64.2 32.8 98.4

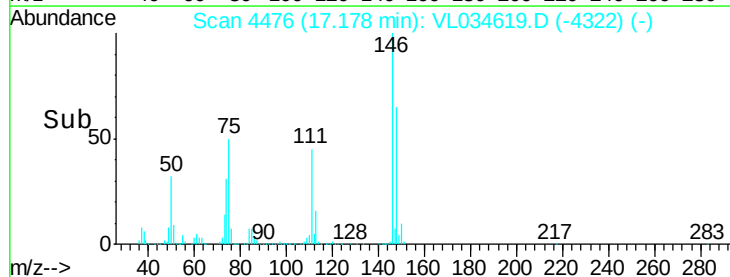
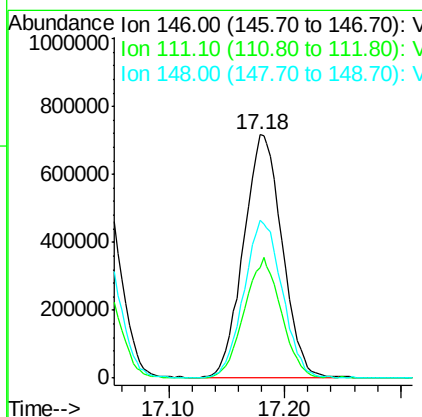
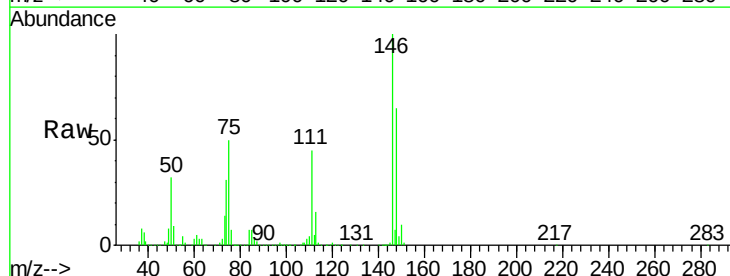
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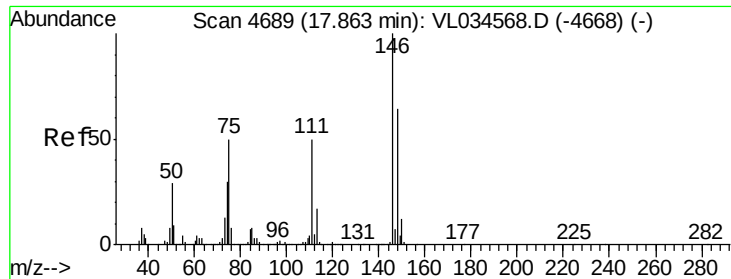
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#76
 1,4-Dichlorobenzene
 Concen: 9.482 ppbv
 RT: 17.18 min Scan# 4476
 Delta R.T. -0.00 min
 Lab File: VL034619.D
 Acq: 18 Feb 2020 9:57

Tgt Ion:146 Resp: 1654257
 Ion Ratio Lower Upper
 146 100
 111 47.7 24.1 72.2
 148 64.7 32.6 98.0





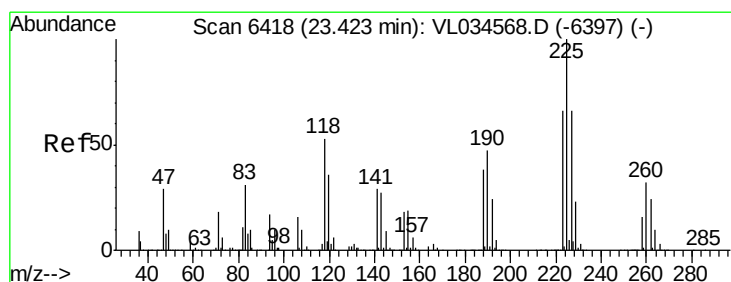
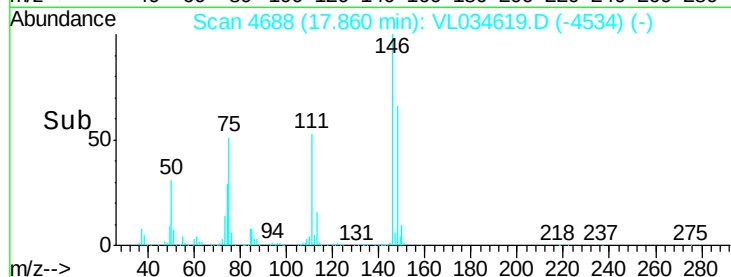
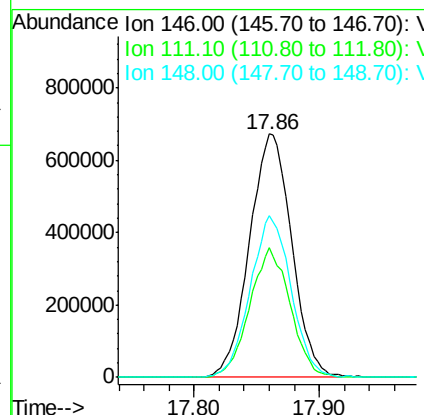
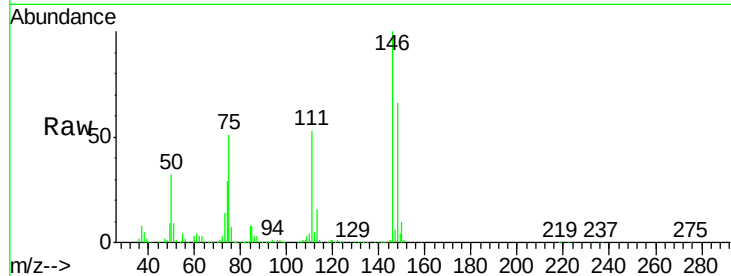
#77
 1,2-Dichlorobenzene
 Concen: 9.235 ppbv
 RT: 17.86 min Scan# 4688
 Delta R.T. -0.00 min
 Lab File: VL034619.D
 Acq: 18 Feb 2020 9:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:146 Resp: 1570353
 Ion Ratio Lower Upper
 146 100
 111 51.1 25.1 75.3
 148 64.4 32.2 96.6

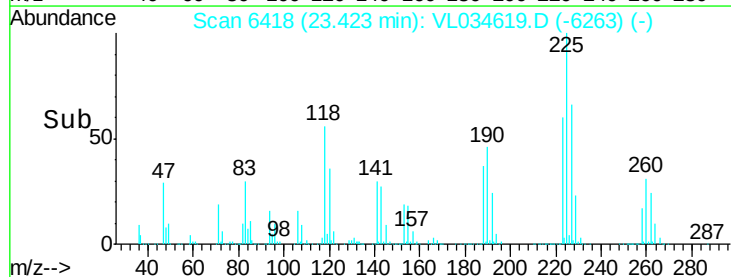
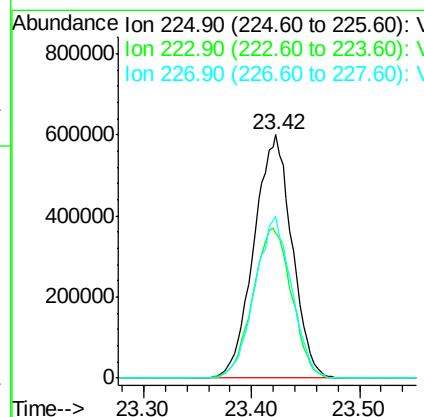
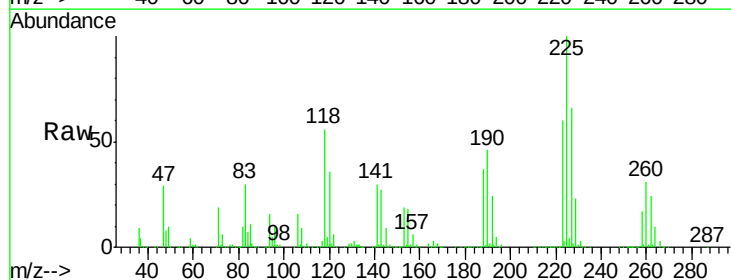
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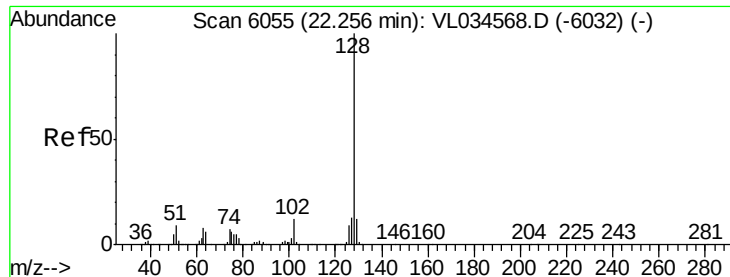
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#78
 Hexachloro-1,3-Butadiene
 Concen: 9.001 ppbv
 RT: 23.42 min Scan# 6418
 Delta R.T. -0.00 min
 Lab File: VL034619.D
 Acq: 18 Feb 2020 9:57

Tgt Ion:225 Resp: 1463787
 Ion Ratio Lower Upper
 225 100
 223 63.0 50.9 76.3
 227 64.6 51.6 77.4





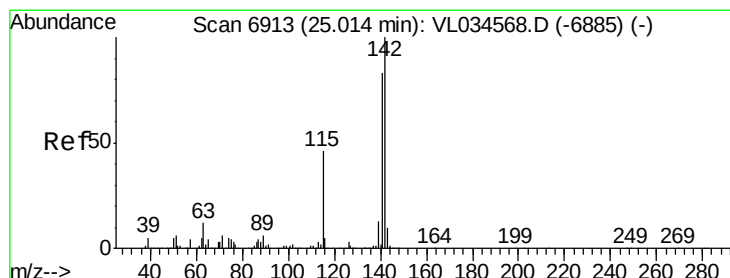
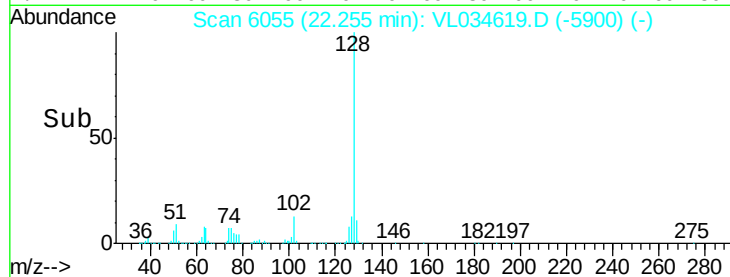
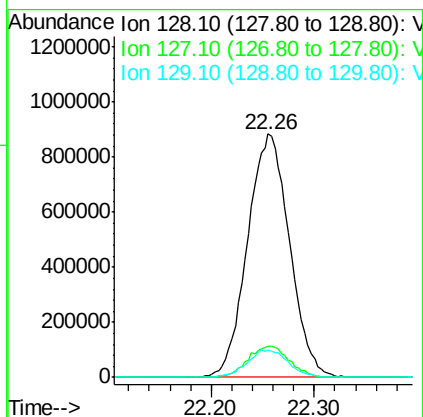
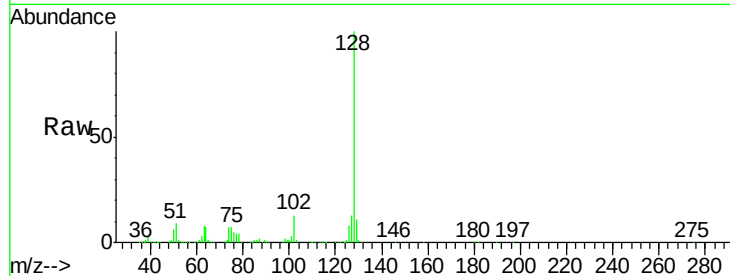
#79
Naphthalene
Concen: 10.307 ppbv
RT: 22.26 min Scan# 6055
Delta R.T. -0.00 min
Lab File: VL034619.D
Acq: 18 Feb 2020 9:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.1	15.1
129	11.4	9.3	13.9

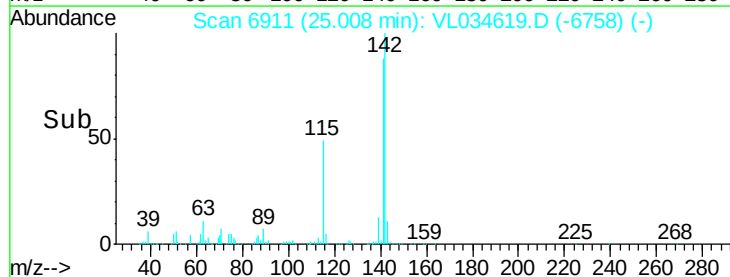
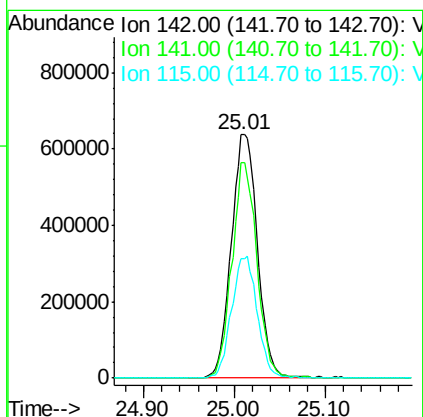
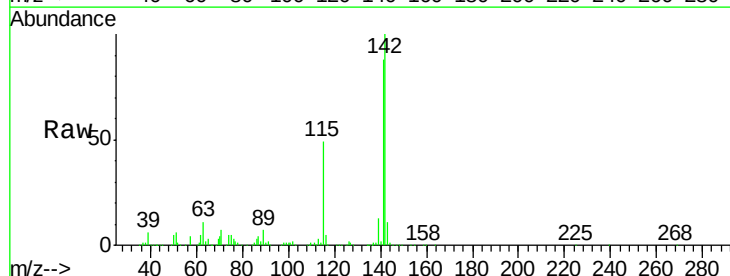
Manual Integrations
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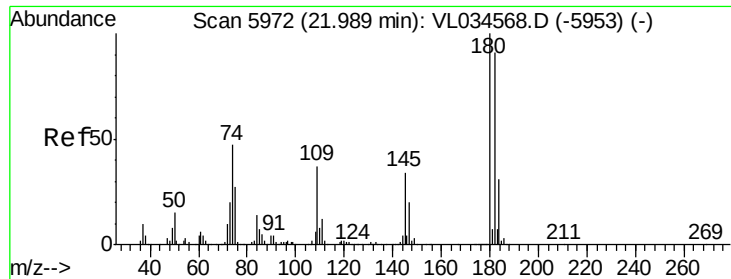
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#80
Naphthalene, 2-methyl-
Concen: 13.671 ppbv
RT: 25.01 min Scan# 6911
Delta R.T. -0.01 min
Lab File: VL034619.D
Acq: 18 Feb 2020 9:57

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.7	67.0	100.4
115	49.0	39.5	59.3





#81
 1,2,4-Trichlorobenzene
 Concen: 10.187 ppbv
 RT: 21.99 min Scan# 5972
 Delta R.T. -0.00 min
 Lab File: VL034619.D
 Acq: 18 Feb 2020 9:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.5	77.8	116.6
184	30.7	25.4	38.0

Manual Integrations
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