

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072920\
 Data File : VL035236.D
 Acq On : 29 Jul 2020 4:39
 Operator : SY/AP
 Sample : VSTDIC0.5
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Manual Integrations
 APPROVED

MMDadoda
 7/30/2020 6:10:28 PM

Quant Time: Jul 29 06:14:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 29 2020
 QLast Update : Wed Jul 29 03:31:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1384692	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3388260	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	3057019	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2536697	10.19	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.90%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.01	85	106592	0.560 ppbv	89
3) Chlorodifluoromethane	2.94	51	86776	0.566 ppbv	97
4) Chloromethane	3.10	50	47490	0.549 ppbv #	82
5) Vinyl Chloride	3.22	62	43833	0.473 ppbv	92
6) Bromomethane	3.44	94	31976	0.608 ppbv #	73
7) Chloroethane	3.53	64	17421	0.532 ppbv #	84
8) Dichlorotetrafluoroethane	3.15	85	127355	0.596 ppbv	97
9) Propene	2.97	41	25317	0.441 ppbv	91
10) Heptane	8.14	43	61982m	0.416 ppbv	
11) Trichlorofluoromethane	3.92	101	129353	0.586 ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.46	101	89495	0.577 ppbv	99
13) Ethanol	3.58	45	14576m	0.773 ppbv	
14) Bromoethene	3.71	108	33445m	0.525 ppbv	
15) Acetone	3.83	43	111049	0.590 ppbv	92
16) 1,3-Butadiene	3.29	39	35749m	0.496 ppbv	
17) tert-Butyl alcohol	4.28	59	97489m	0.580 ppbv	
18) 1,1-Dichloroethene	4.27	96	36818m	0.536 ppbv	
19) Isopropyl Alcohol	3.95	45	67739	0.590 ppbv #	90
20) Methylene Chloride	4.32	84	54440	0.662 ppbv	91
21) Allyl Chloride	4.39	41	53029	0.484 ppbv	96
22) trans-1,2-Dichloroethene	4.87	96	36829	0.540 ppbv #	85
23) Vinyl Acetate	5.06	43	89867	0.447 ppbv #	92
24) 1,1-Dichloroethane	4.99	63	93880	0.537 ppbv #	95
25) Ethyl Acetate	5.68	43	144588	0.496 ppbv #	96
26) Hexane	5.68	57	63396m	0.492 ppbv	
27) Carbon Disulfide	4.53	76	94524	0.527 ppbv #	82
28) Methyl tert-Butyl Ether	5.03	73	84640	0.433 ppbv	97
29) Chloroform	5.74	83	123252	0.569 ppbv	100
30) Cyclohexane	7.14	84	36614m	0.385 ppbv	
31) cis-1,2-Dichloroethene	5.54	61	50982m	0.421 ppbv	
32) 1,1,1-Trichloroethane	6.51	97	111315	0.514 ppbv	97
34) 2-Butanone	5.24	43	80737	0.447 ppbv	96
35) Carbon Tetrachloride	7.03	117	110693m	0.500 ppbv	
36) Benzene	6.90	78	106003m	0.432 ppbv	
37) 1,2-Dichloroethane	6.31	62	87358m	0.527 ppbv	
38) Trichloroethene	7.85	130	43564	0.433 ppbv	90
39) 1,2-Dichloropropane	7.63	63	43153	0.439 ppbv	92
40) 1,4-Dioxane	7.89	88	18243m	0.466 ppbv	
41) Tetrahydrofuran	6.06	42	33091m	0.368 ppbv	
42) Bromodichloromethane	7.80	83	106715	0.482 ppbv	91
43) Methyl Methacrylate	8.02	69	40563m	0.388 ppbv	

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Quant Time: Jul 29 06:14:47 2020
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 29 2020
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	172457	0.405	ppbv	# 89
45) t-1,3-Dichloropropene	9.30	75	35308m	0.323	ppbv	
46) cis-1,3-Dichloropropene	8.73	75	45158m	0.347	ppbv	
47) 1,1,2-Trichloroethane	9.50	97	57208m	0.531	ppbv	
48) Dibromochloromethane	10.34	129	79796m	0.455	ppbv	
49) Bromoform	13.08	173	69670m	0.450	ppbv	
50) 4-Methyl-2-Pentanone	8.77	43	99179m	0.381	ppbv	
51) 2-Hexanone	10.17	43	65826m	0.330	ppbv	
52) Tetrachloroethene	11.26	164	39348m	0.426	ppbv	
53) Toluene	9.83	91	88837m	0.341	ppbv	
54) 1,2-Dibromoethane	10.64	107	74808m	0.468	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.16	131	78206m	0.570	ppbv	
57) Chlorobenzene	12.18	112	123785m	0.541	ppbv	
58) Ethyl Benzene	12.75	91	120388m	0.352	ppbv	
59) m/p-Xylene	13.03	91	268934m	0.880	ppbv	
60) o-Xylene	13.73	91	130101	0.427	ppbv	95
61) Styrene	13.56	104	58137	0.309	ppbv	99
62) Isopropylbenzene	14.71	105	198227	0.439	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.72	83	131915	0.518	ppbv	96
64) n-propylbenzene	15.61	120	52929m	0.452	ppbv	
65) tert-Butylbenzene	16.79	119	179217m	0.442	ppbv	
66) Benzyl Chloride	17.04	91	74823m	0.512	ppbv	
67) sec-Butylbenzene	17.34	105	271664	0.460	ppbv	97
69) p-Isopropyltoluene	17.70	119	207517	0.445	ppbv	95
70) n-Butylbenzene	18.60	91	240990m	0.487	ppbv	
71) 2-Chlorotoluene	15.49	91	140686	0.411	ppbv	97
72) 4-Ethyltoluene	15.88	105	131961	0.383	ppbv	# 97
73) 1,3,5-Trimethylbenzene	16.04	105	137563	0.415	ppbv	93
74) 1,2,4-Trimethylbenzene	16.80	105	184192	0.500	ppbv	99
75) 1,3-Dichlorobenzene	17.04	146	142248	0.608	ppbv	93
76) 1,4-Dichlorobenzene	17.18	146	105313	0.485	ppbv	94
77) 1,2-Dichlorobenzene	17.87	146	113613m	0.538	ppbv	
78) Hexachloro-1,3-Butadiene	23.43	225	109414m	0.661	ppbv	
79) Naphthalene	22.27	128	112254m	0.459	ppbv	
80) Naphthalene, 2-methyl-	25.03	142	32060	0.550	ppbv	93
81) 1,2,4-Trichlorobenzene	22.00	180	83762m	0.542	ppbv	

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

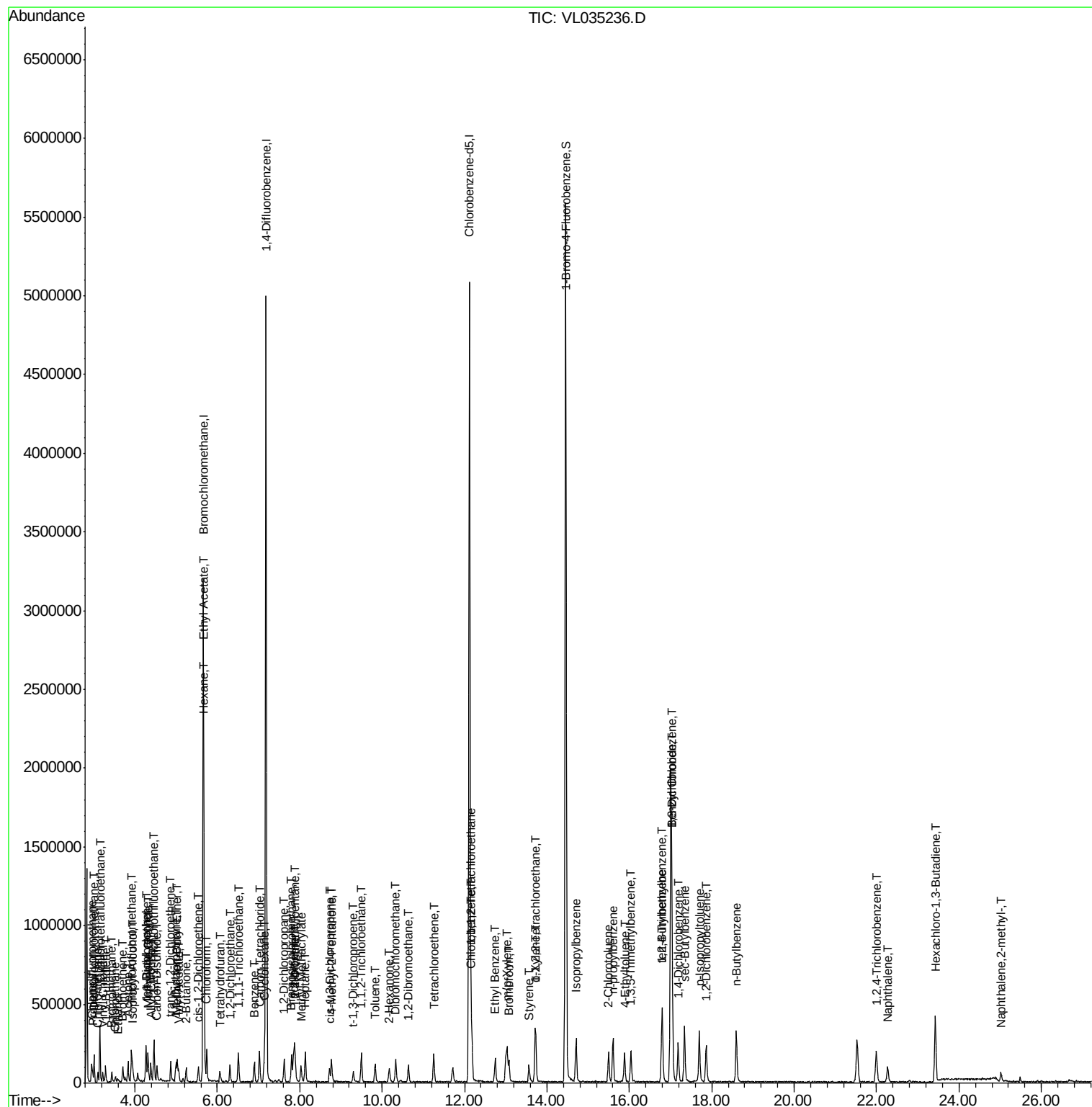
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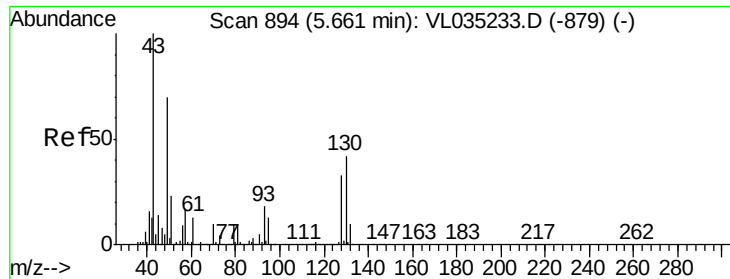
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

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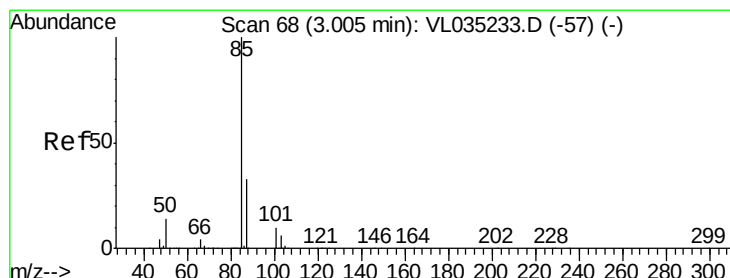
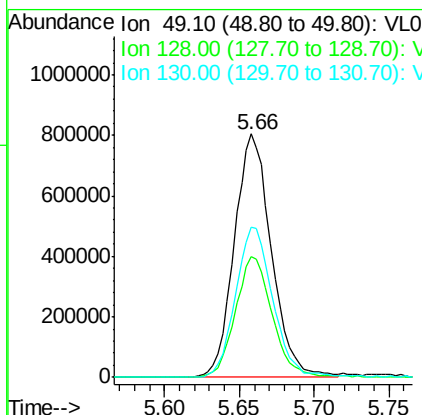
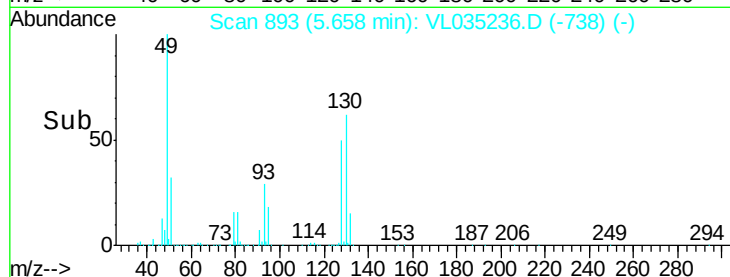
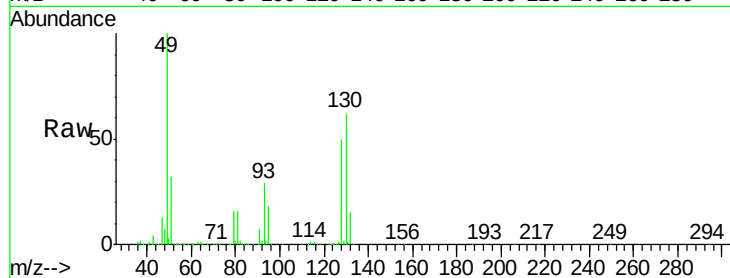
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.66 min Scan# 893
 Delta R.T. -0.00 min
 Lab File: VL035236.D
 Acq: 29 Jul 2020 4:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion: 49 Resp: 1384692
 Ion Ratio Lower Upper
 49 100
 128 50.0 24.0 72.0
 130 62.9 30.7 92.1

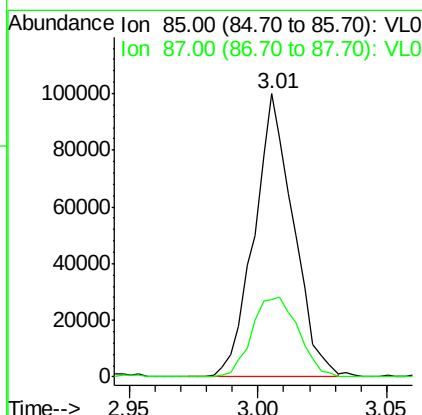
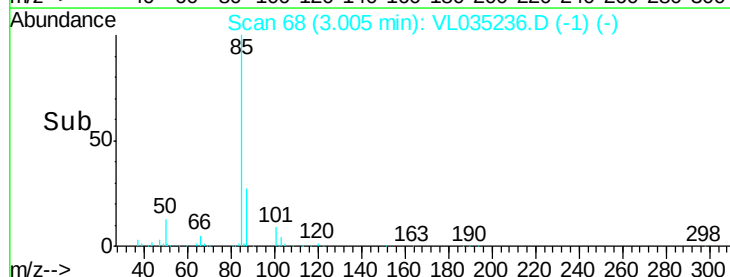
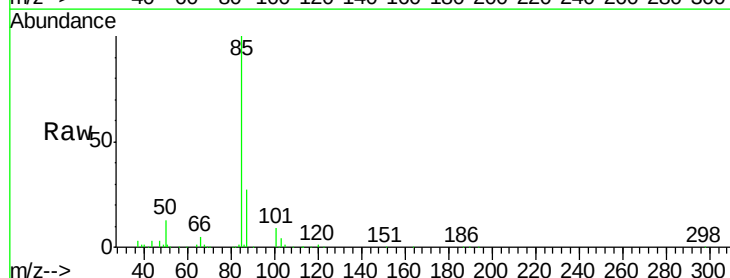
Manual Integrations
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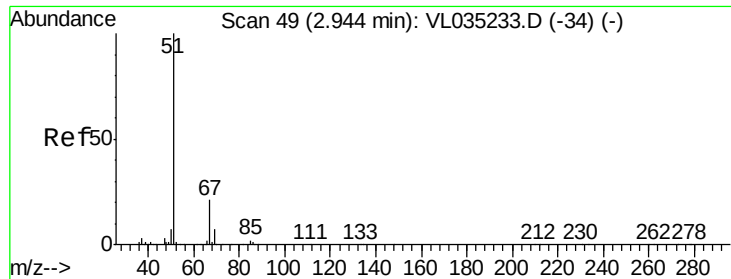
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#2
 Dichlorodifluoromethane
 Concen: 0.560 ppbv
 RT: 3.01 min Scan# 68
 Delta R.T. 0.00 min
 Lab File: VL035236.D
 Acq: 29 Jul 2020 4:39

Tgt Ion: 85 Resp: 106592
 Ion Ratio Lower Upper
 85 100
 87 27.4 26.7 40.1





#3

Chlorodifluoromethane

Concen: 0.566 ppbv

RT: 2.94 min Scan# 49

Delta R.T. 0.00 min

Lab File: VL035236.D

Acq: 29 Jul 2020 4:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 51 Resp: 86776

Ion Ratio Lower Upper

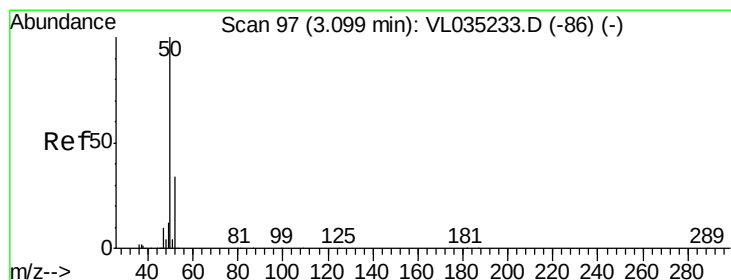
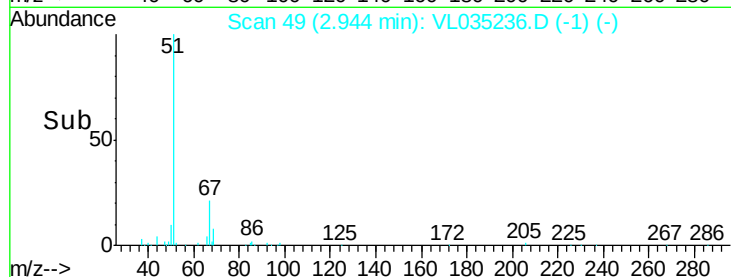
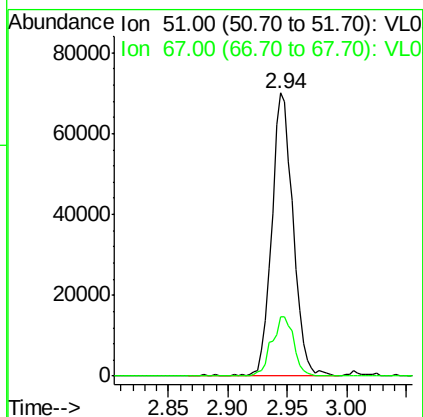
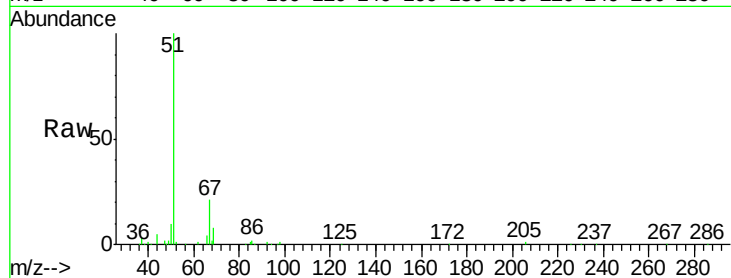
51 100

67 22.0 16.6 25.0

Manual Integrations
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#4

Chloromethane

Concen: 0.549 ppbv

RT: 3.10 min Scan# 97

Delta R.T. 0.00 min

Lab File: VL035236.D

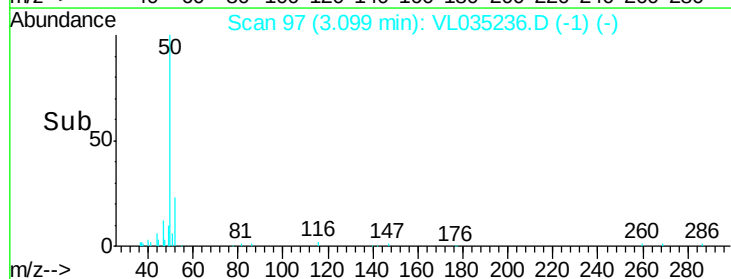
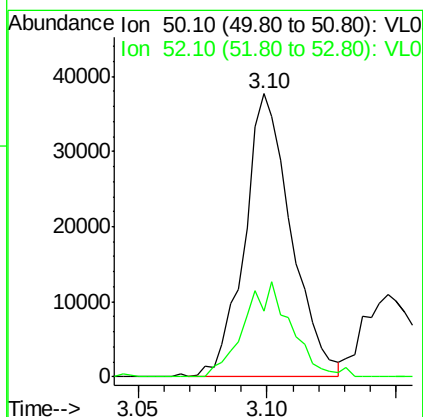
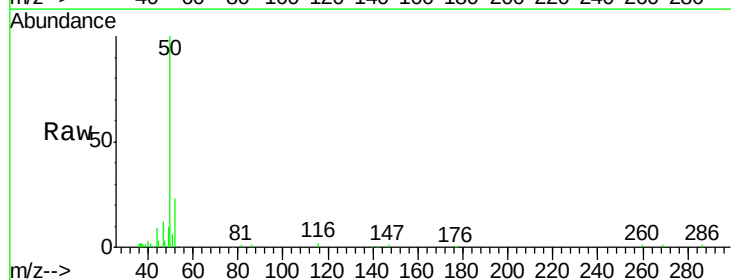
Acq: 29 Jul 2020 4:39

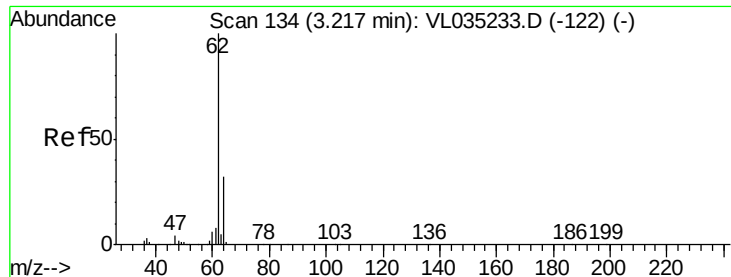
Tgt Ion: 50 Resp: 47490

Ion Ratio Lower Upper

50 100

52 23.4 27.1 40.7#





#5

Vinyl Chloride

Concen: 0.473 ppbv

RT: 3.22 min Scan# 134

Delta R.T. 0.00 min

Lab File: VL035236.D

Acq: 29 Jul 2020 4:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 62 Resp: 43833

Ion Ratio Lower Upper

62 100

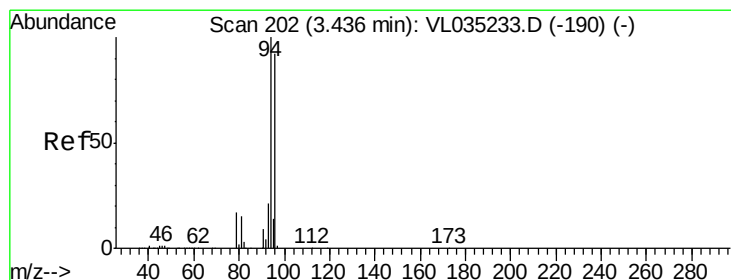
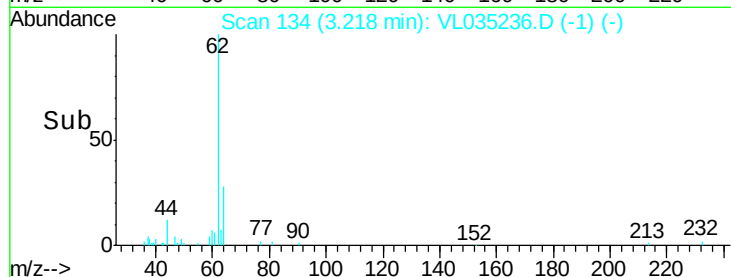
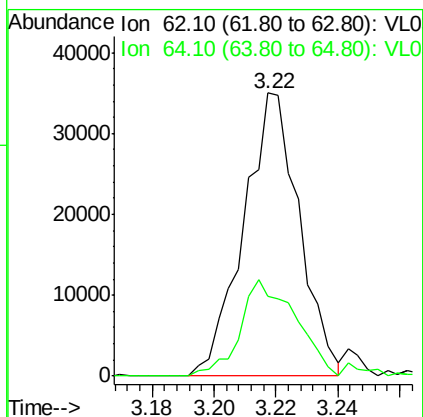
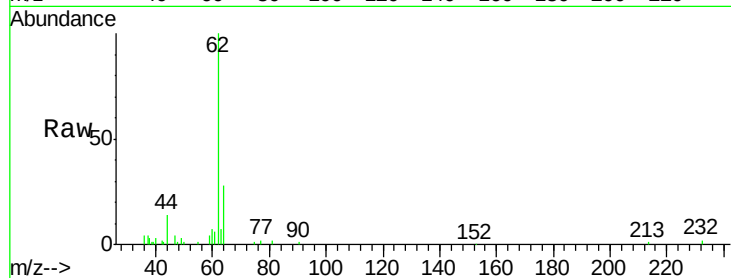
64 28.0 25.8 38.6

Manual Integrations

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#6

Bromomethane

Concen: 0.608 ppbv

RT: 3.44 min Scan# 204

Delta R.T. 0.01 min

Lab File: VL035236.D

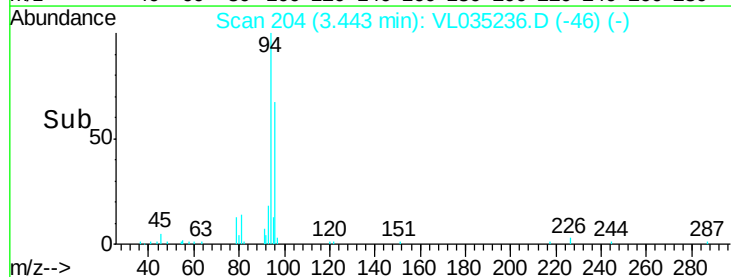
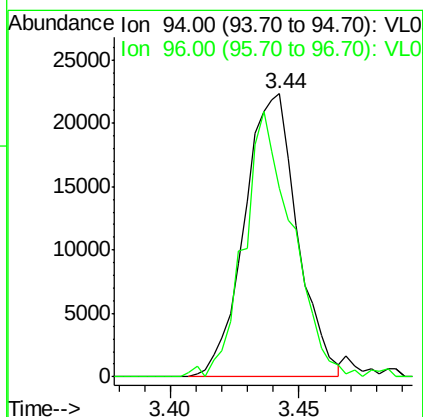
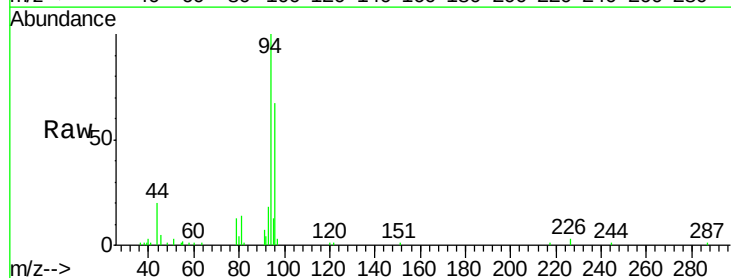
Acq: 29 Jul 2020 4:39

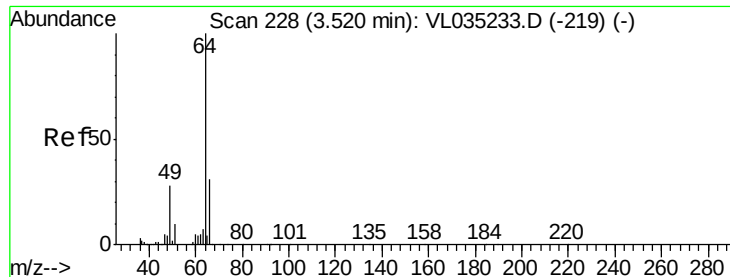
Tgt Ion: 94 Resp: 31976

Ion Ratio Lower Upper

94 100

96 65.4 73.2 109.8#





#7

Chloroethane

Concen: 0.532 ppbv

RT: 3.53 min Scan# 230

Delta R.T. 0.01 min

Lab File: VL035236.D

Acq: 29 Jul 2020 4:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 64 Resp: 17421

Ion Ratio Lower Upper

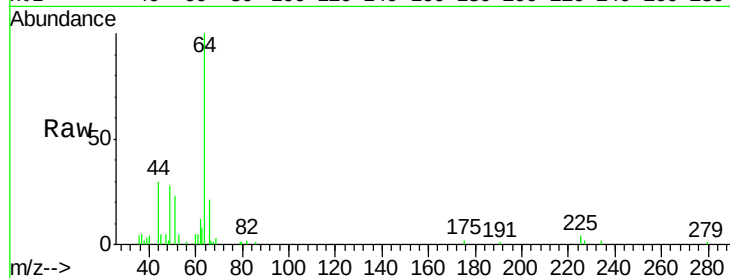
64 100

66 23.1 25.6 38.4#

Manual Integrations
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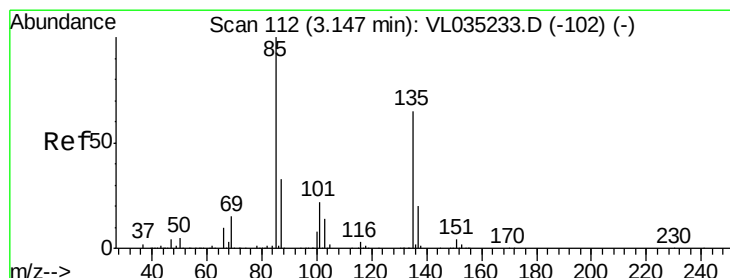
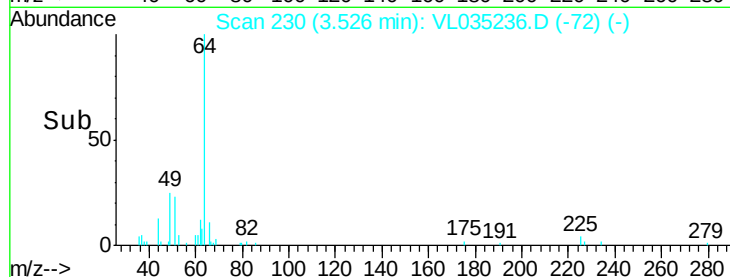
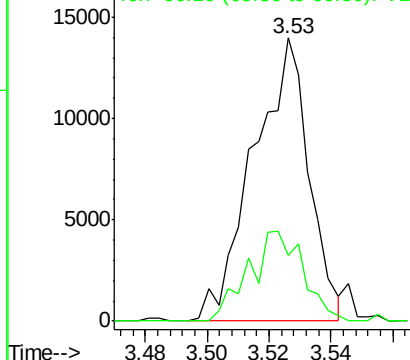
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 0.596 ppbv

RT: 3.15 min Scan# 112

Delta R.T. 0.00 min

Lab File: VL035236.D

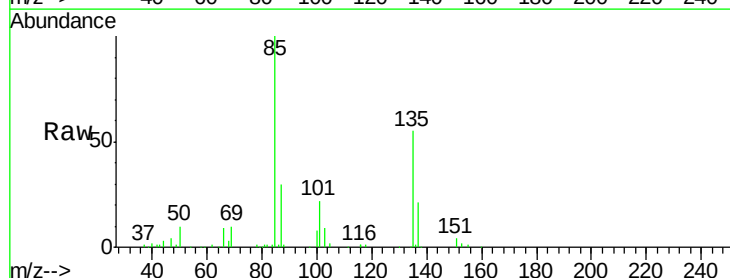
Acq: 29 Jul 2020 4:39

Tgt Ion: 85 Resp: 127355

Ion Ratio Lower Upper

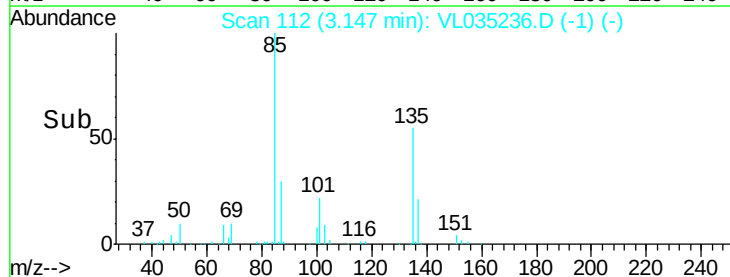
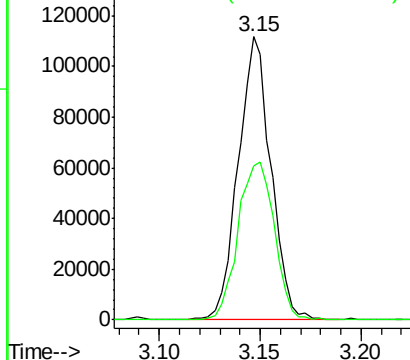
85 100

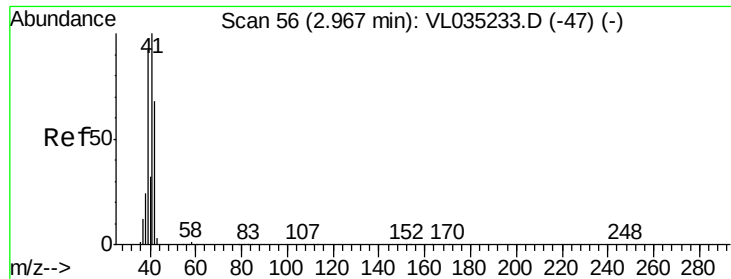
135 61.5 51.4 77.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 0.441 ppbv

RT: 2.97 min Scan# 57

Delta R.T. 0.00 min

Lab File: VL035236.D

Acq: 29 Jul 2020 4:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 41 Resp: 25317

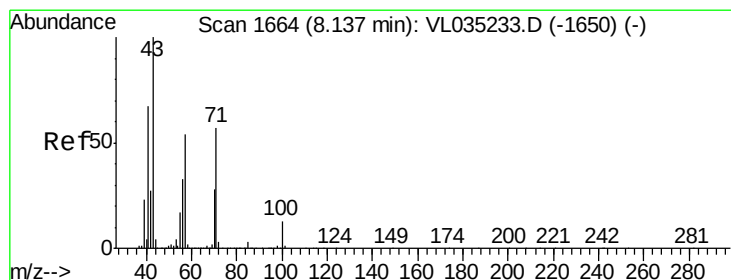
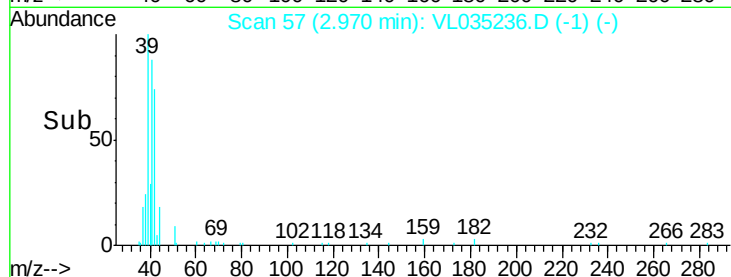
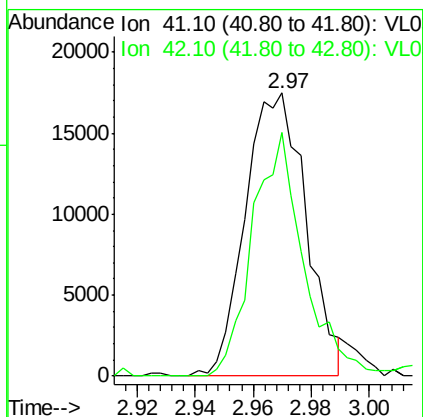
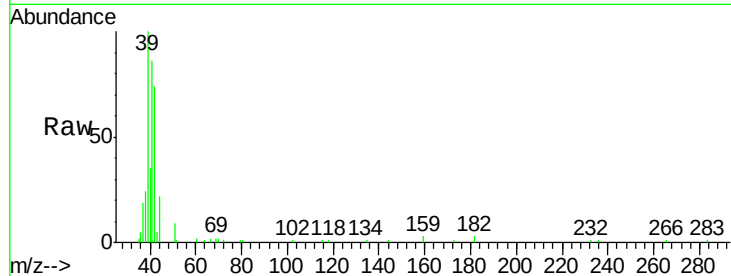
Ion Ratio Lower Upper

41 100

42 76.4 55.0 82.6

Manual Integrations
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#10

Heptane

Concen: 0.416 ppbv m

RT: 8.14 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VL035236.D

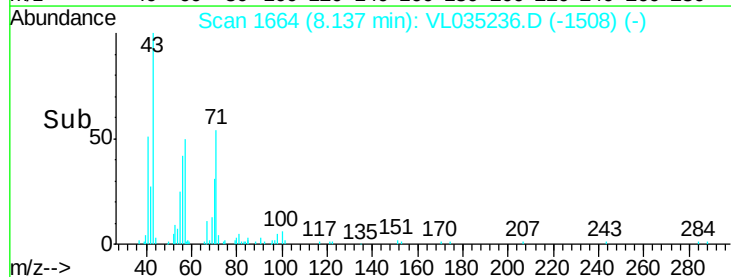
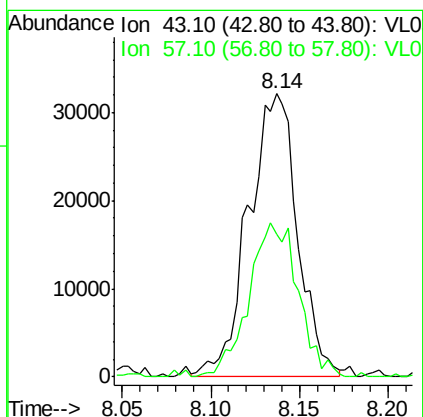
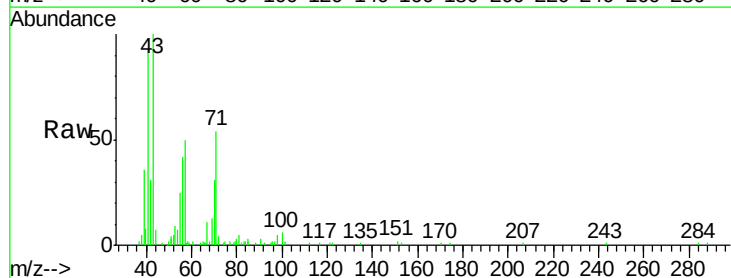
Acq: 29 Jul 2020 4:39

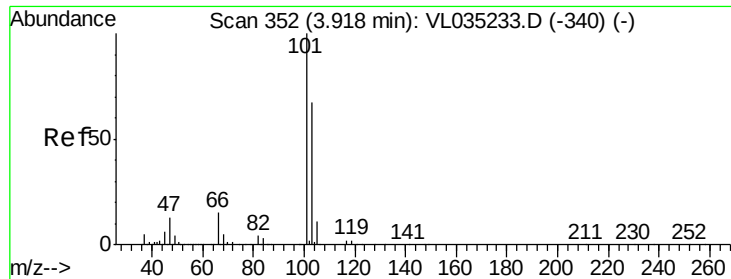
Tgt Ion: 43 Resp: 61982

Ion Ratio Lower Upper

43 100

57 55.1 43.0 64.4





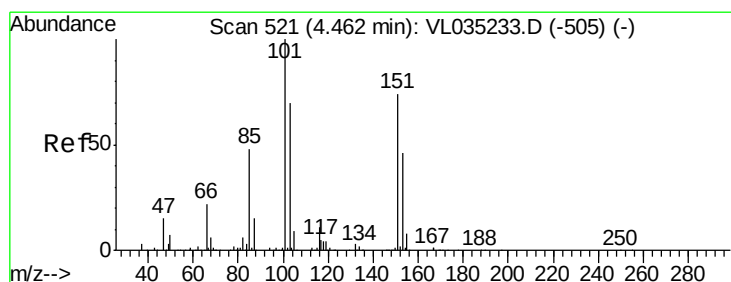
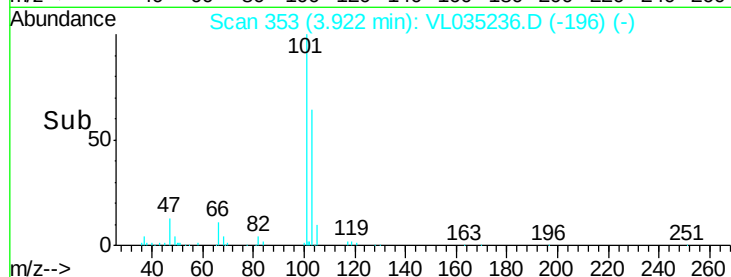
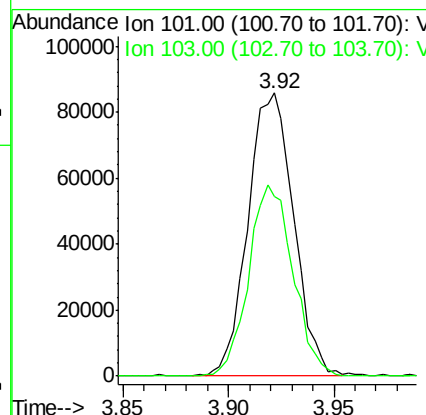
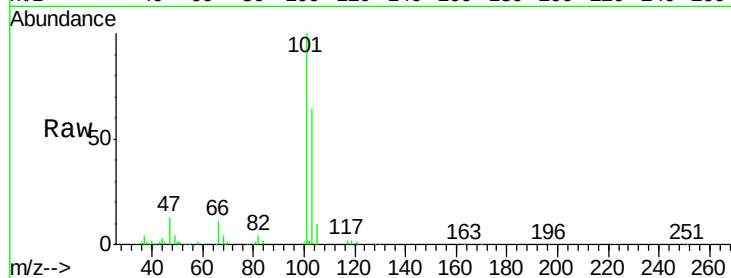
#11
 Trichlorofluoromethane
 Concen: 0.586 ppbv
 RT: 3.92 min Scan# 353
 Delta R.T. 0.00 min
 Lab File: VL035236.D
 Acq: 29 Jul 2020 4:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	53.4	80.0

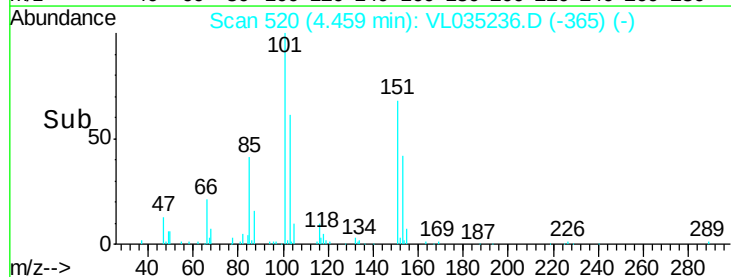
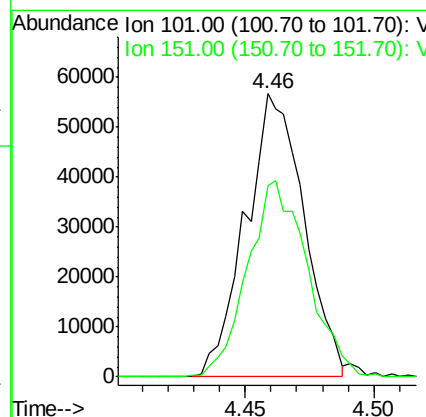
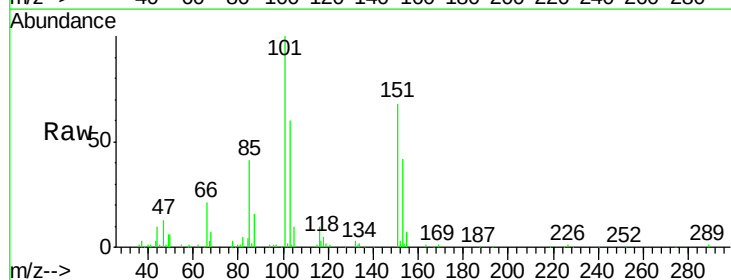
Manual Integrations
 APPROVED

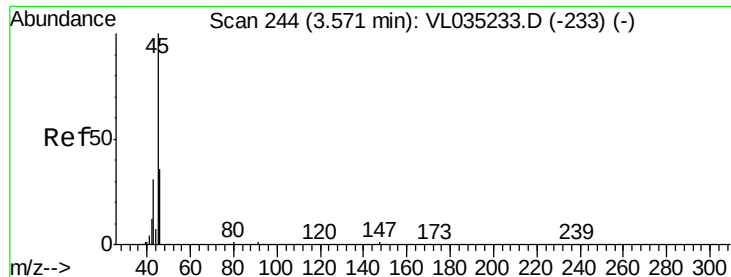
MMDadoda
 7/30/2020 6:10:28 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.577 ppbv
 RT: 4.46 min Scan# 520
 Delta R.T. -0.00 min
 Lab File: VL035236.D
 Acq: 29 Jul 2020 4:39

Tgt Ion	Ratio	Lower	Upper
101	100		
151	71.4	56.6	85.0





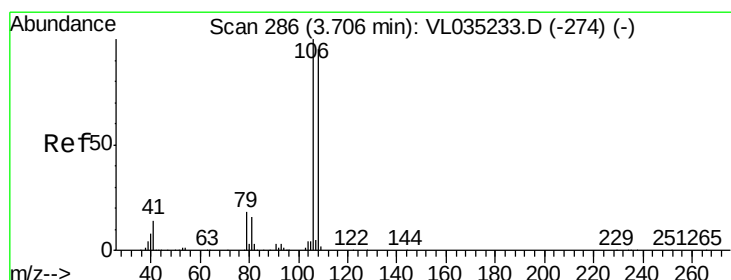
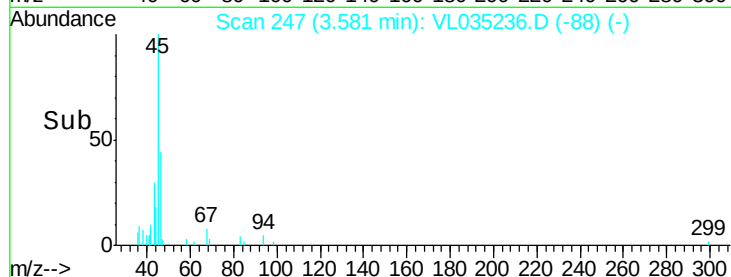
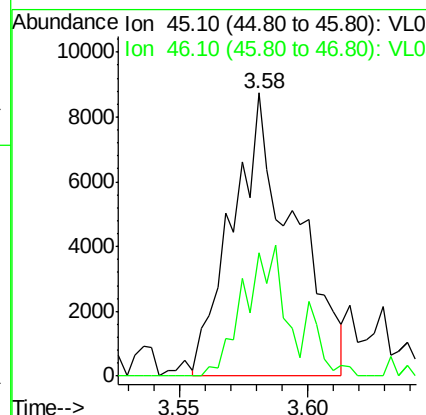
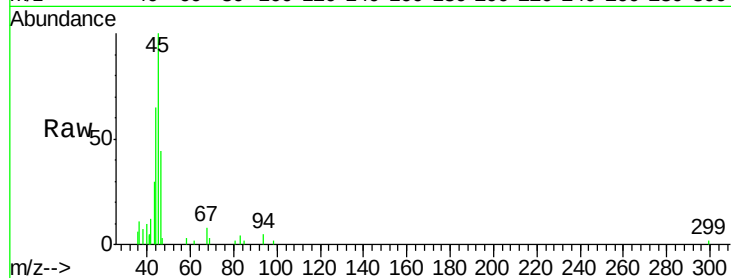
#13
Ethanol
Concen: 0.773 ppbv m
RT: 3.58 min Scan# 247
Delta R.T. 0.01 min
Lab File: VL035236.D
Acq: 29 Jul 2020 4:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	45	46	Ratio	100	36.6	Resp:	14576	Lower	15.8	Upper	63.4
Ion	45	46	Ratio	100	36.6	Resp:	14576	Lower	15.8	Upper	63.4

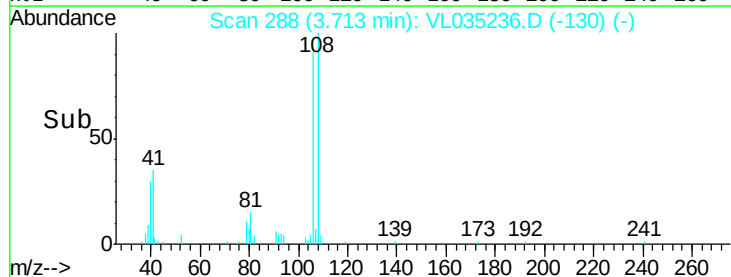
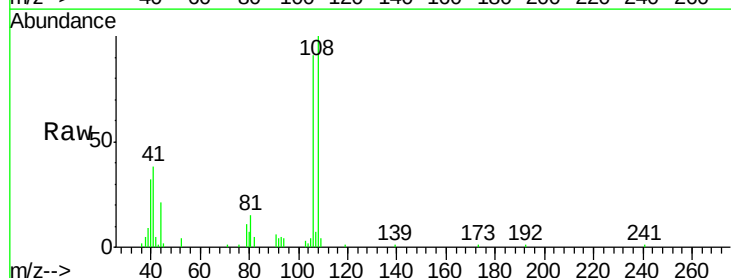
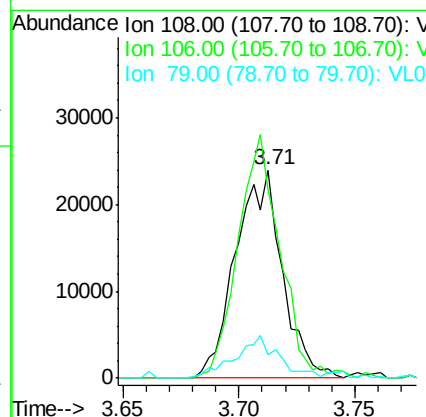
Manual Integrations
APPROVED

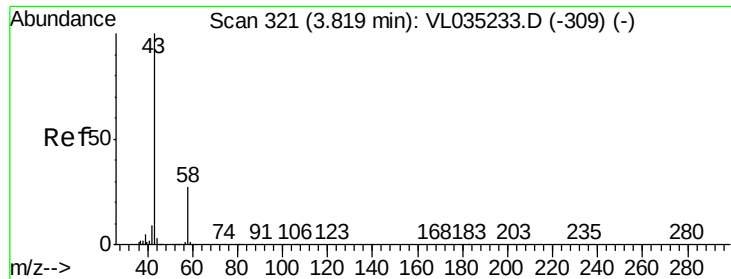
MMDadoda
7/30/2020 6:10:28 PM



#14
Bromoethene
Concen: 0.525 ppbv m
RT: 3.71 min Scan# 288
Delta R.T. 0.01 min
Lab File: VL035236.D
Acq: 29 Jul 2020 4:39

Tgt Ion	108	106	79	Ratio	100	107.0	20.7	Resp:	33445	Lower	85.0	Upper	127.6	23.2
Ion	108	106	79	Ratio	100	107.0	20.7	Resp:	33445	Lower	85.0	Upper	127.6	23.2





#15

Acetone

Concen: 0.590 ppbv

RT: 3.83 min Scan# 325

Delta R.T. 0.01 min

Lab File: VL035236.D

Acq: 29 Jul 2020 4:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 43 Resp: 111049

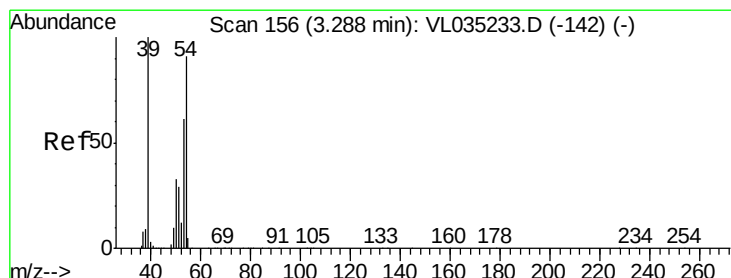
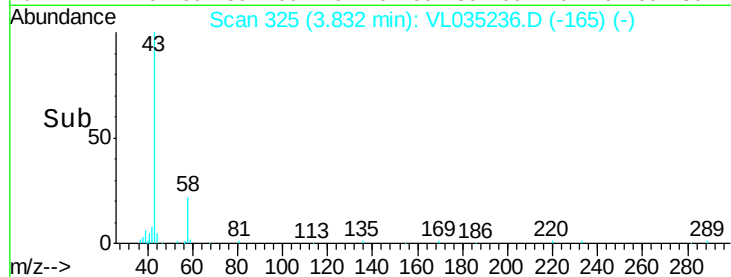
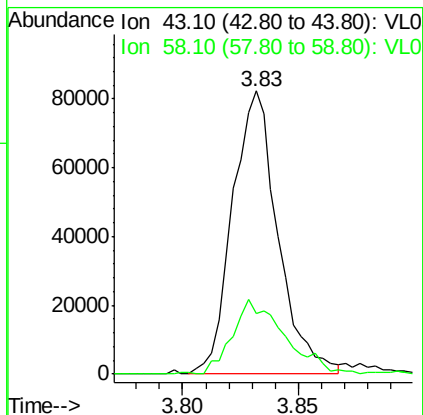
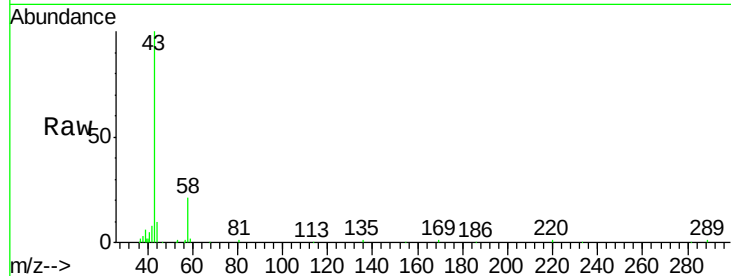
Ion Ratio Lower Upper

43 100

58 31.1 21.8 32.6

Manual Integrations
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MMDadoda
7/30/2020 6:10:28 PM



#16

1,3-Butadiene

Concen: 0.496 ppbv m

RT: 3.29 min Scan# 156

Delta R.T. 0.00 min

Lab File: VL035236.D

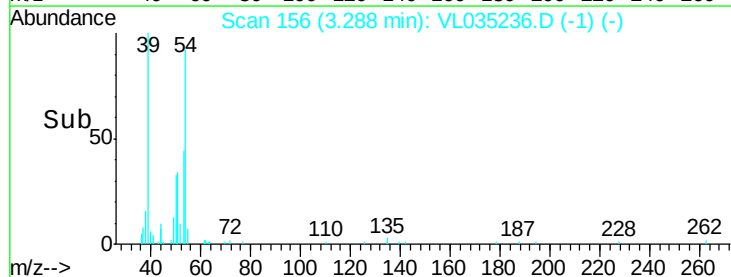
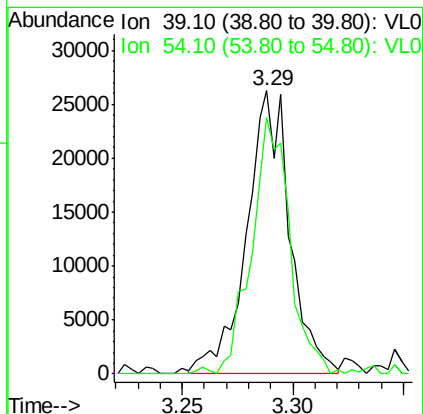
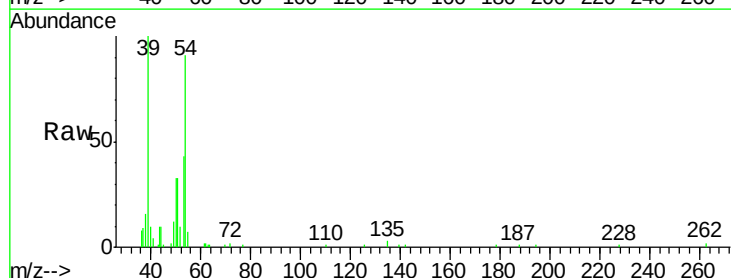
Acq: 29 Jul 2020 4:39

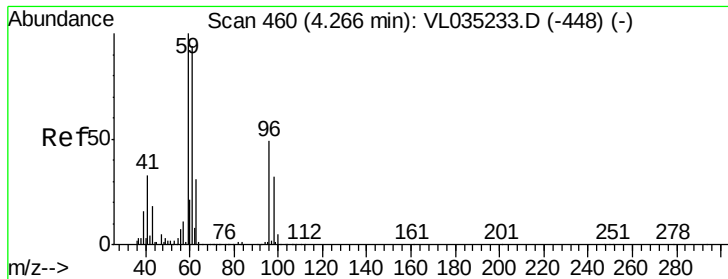
Tgt Ion: 39 Resp: 35749

Ion Ratio Lower Upper

39 100

54 80.6 68.2 102.2





#17

tert-Butyl alcohol

Concen: 0.580 ppbv m

RT: 4.28 min Scan# 464

Delta R.T. 0.01 min

Lab File: VL035236.D

Acq: 29 Jul 2020 4:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 59 Resp: 97489

Ion Ratio Lower Upper

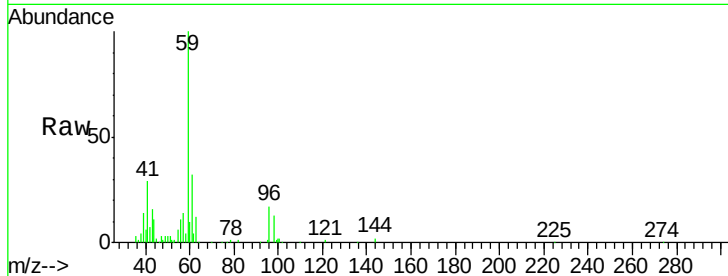
59 100

57 0.0 8.6 12.8#

Manual Integrations
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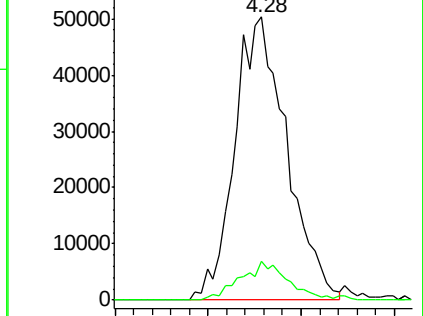
MMDadoda

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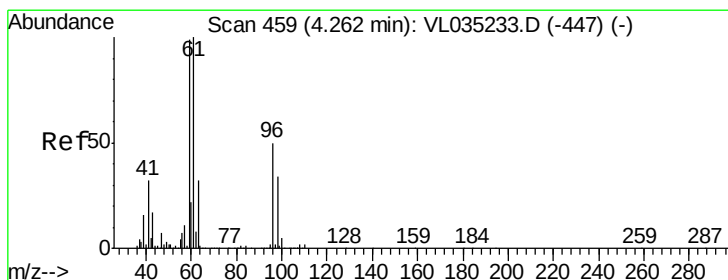
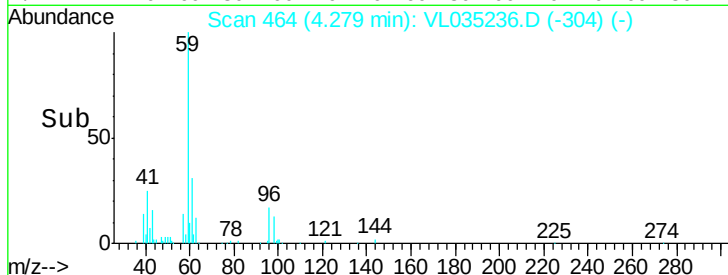


Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



Time--> 4.20 4.25 4.30



#18

1,1-Dichloroethene

Concen: 0.536 ppbv m

RT: 4.27 min Scan# 461

Delta R.T. 0.01 min

Lab File: VL035236.D

Acq: 29 Jul 2020 4:39

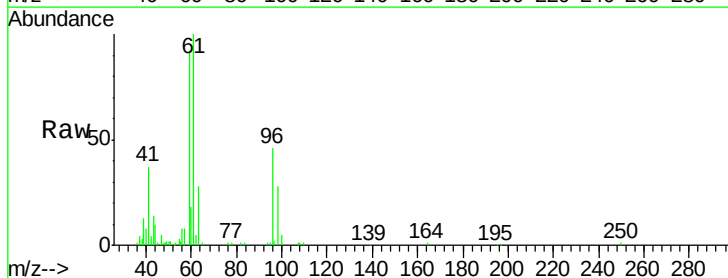
Tgt Ion: 96 Resp: 36818

Ion Ratio Lower Upper

96 100

61 216.7 159.4 239.2

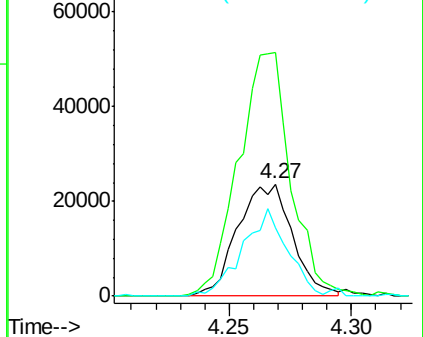
98 61.2 53.9 80.9



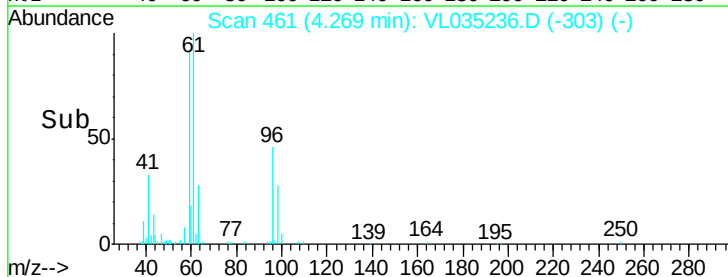
Abundance Ion 96.00 (95.70 to 96.70): VL0

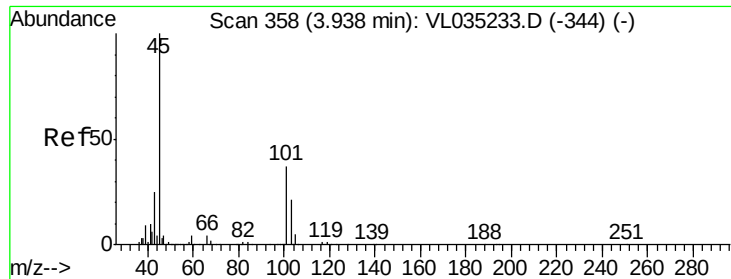
Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



Time--> 4.25 4.30





#19

Isopropyl Alcohol

Concen: 0.590 ppbv

RT: 3.95 min Scan# 361

Delta R.T. 0.01 min

Lab File: VL035236.D

Acq: 29 Jul 2020 4:39

Instrument :

MSVOA_L

ClientSampled :

VSTDIC0.5

Tot Ion: 45 Resp: 67739

Ion Ratio Lower Upper

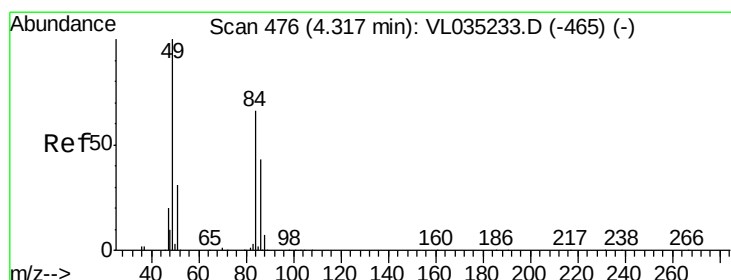
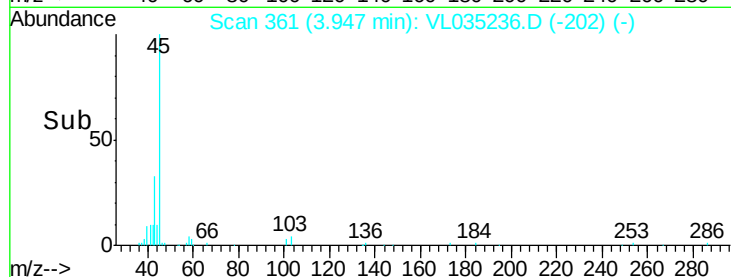
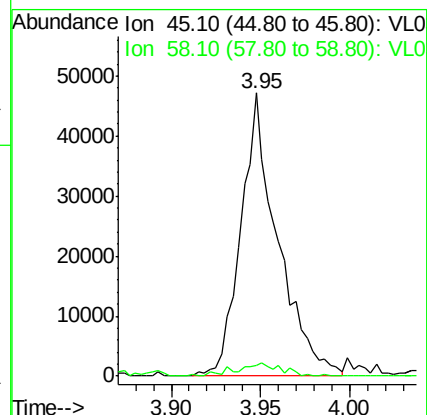
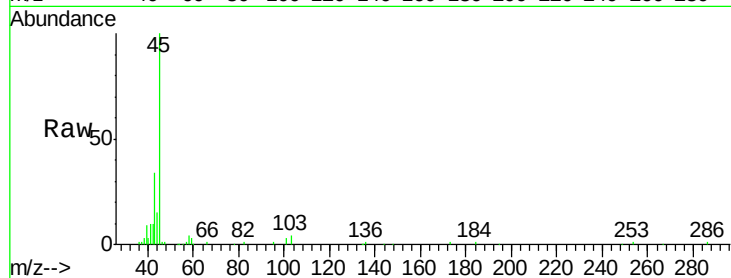
45 100

58 5.7 1.9 2.9#

Manual Integrations
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#20

Methylene Chloride

Concen: 0.662 ppbv

RT: 4.32 min Scan# 477

Delta R.T. 0.00 min

Lab File: VL035236.D

Acq: 29 Jul 2020 4:39

Tgt Ion: 84 Resp: 54440

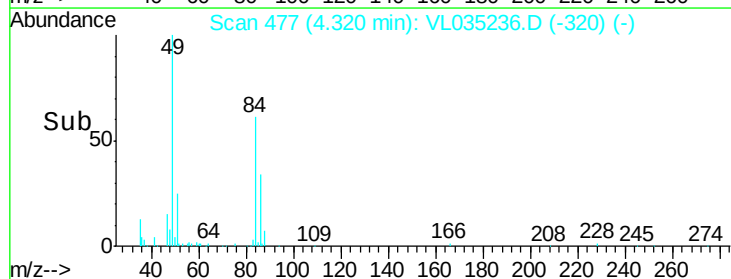
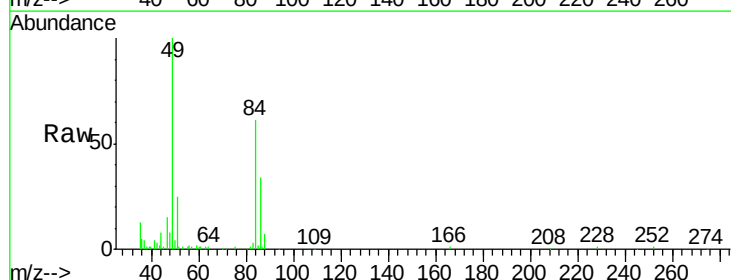
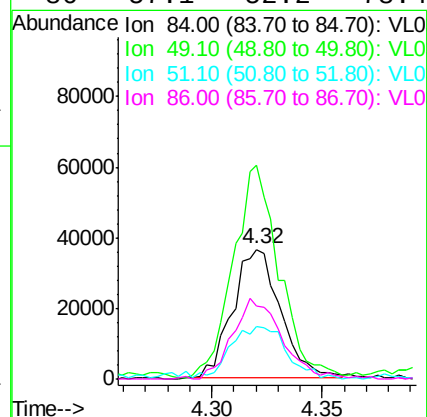
Ion Ratio Lower Upper

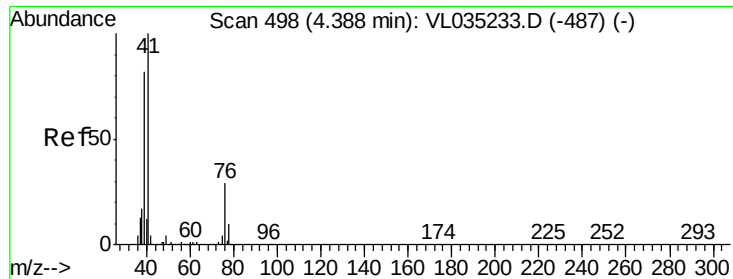
84 100

49 163.7 121.0 181.4

51 43.3 37.7 56.5

86 57.1 52.2 78.4





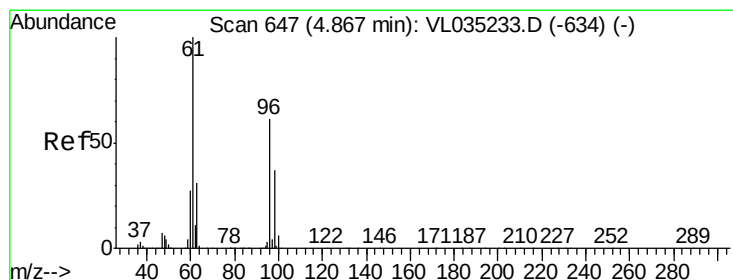
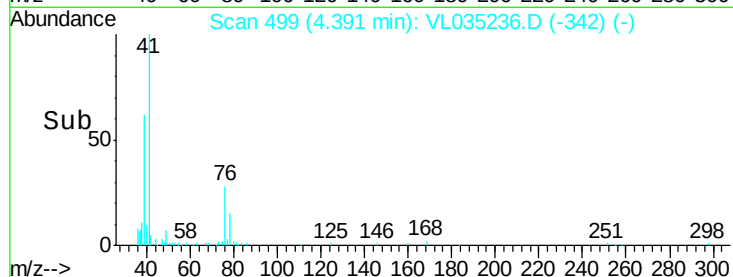
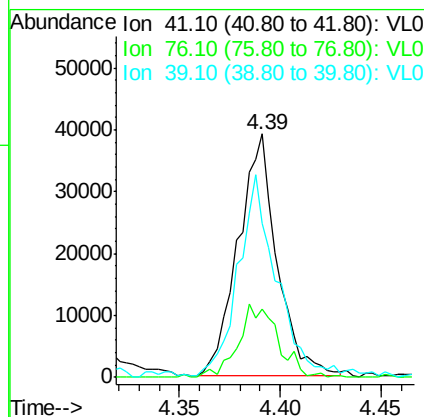
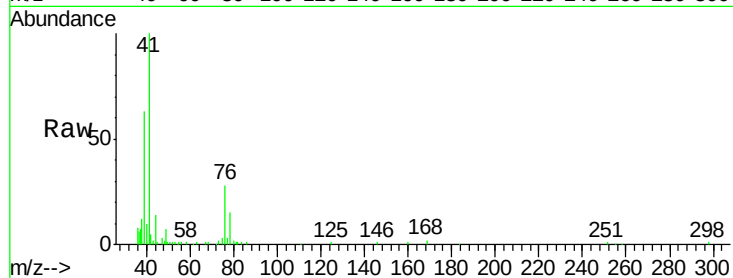
#21
Allvl Chloride
Concen: 0.484 ppbv
RT: 4.39 min Scan# 499
Delta R.T. 0.00 min
Lab File: VL035236.D
Acq: 29 Jul 2020 4:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
41	100		
76	30.9	24.4	36.6
39	85.1	63.8	95.8

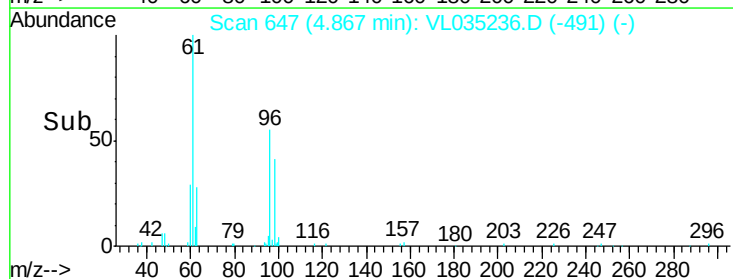
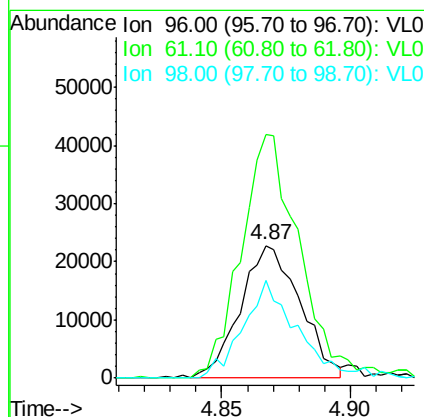
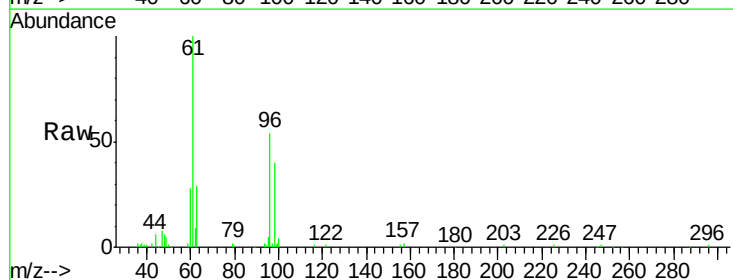
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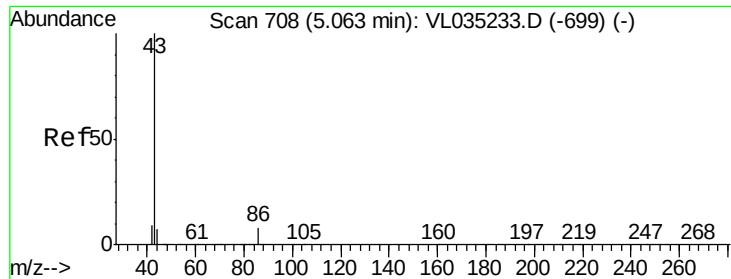
MMDadoda
7/30/2020 6:10:28 PM



#22
trans-1,2-Dichloroethene
Concen: 0.540 ppbv
RT: 4.87 min Scan# 647
Delta R.T. 0.00 min
Lab File: VL035236.D
Acq: 29 Jul 2020 4:39

Tgt Ion	Ratio	Lower	Upper
96	100		
61	183.7	131.6	197.4
98	74.2	49.0	73.4#





#23

Vinyl Acetate

Concen: 0.447 ppbv

RT: 5.06 min Scan# 707

Delta R.T. -0.00 min

Lab File: VL035236.D

Acq: 29 Jul 2020 4:39

Instrument :

MSVOA_L

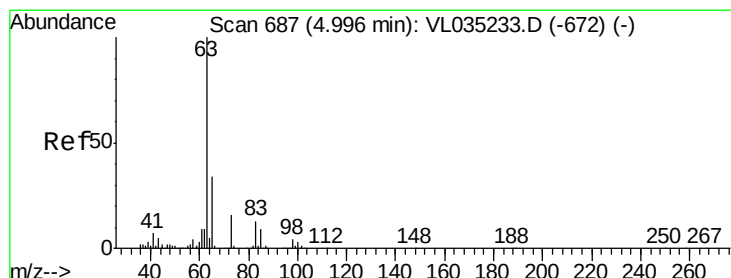
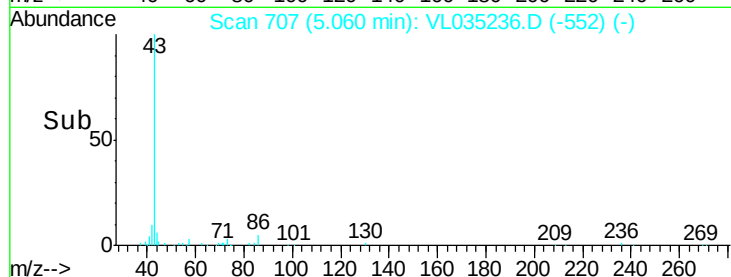
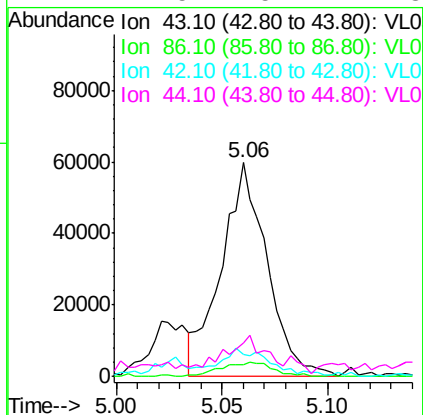
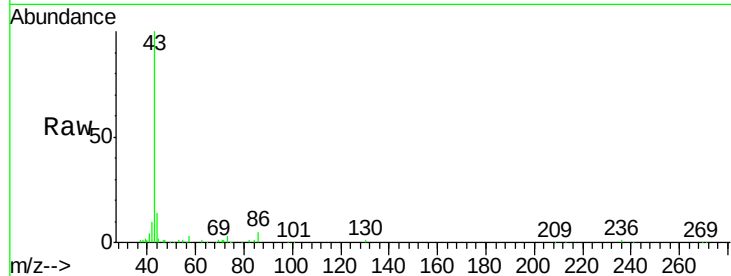
ClientSampleId :

VSTDIC0.5

Tot Ion	43	Resp	89867
Ion	Ratio	Lower	Upper
43	100		
86	5.2	6.2	9.2#
42	8.0	8.0	12.0
44	11.5	5.2	7.8#

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#24

1,1-Dichloroethane

Concen: 0.537 ppbv

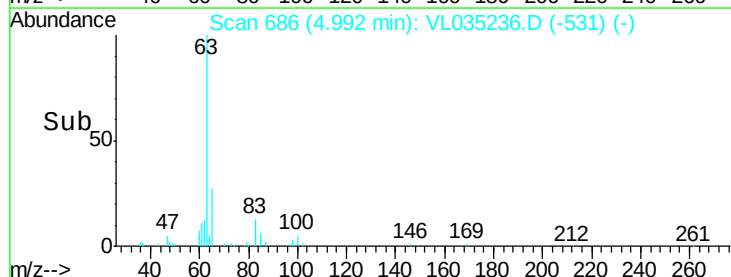
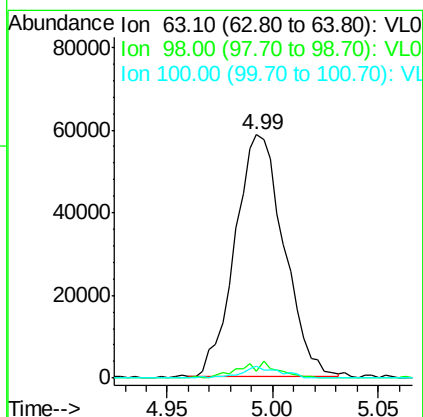
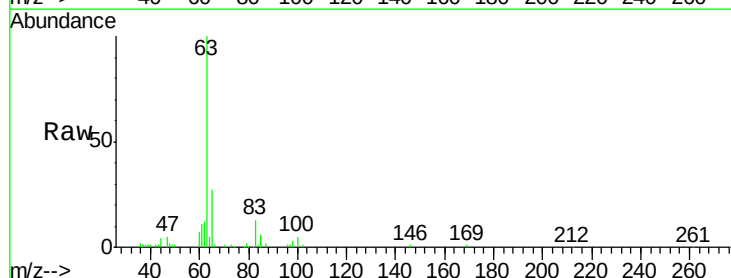
RT: 4.99 min Scan# 686

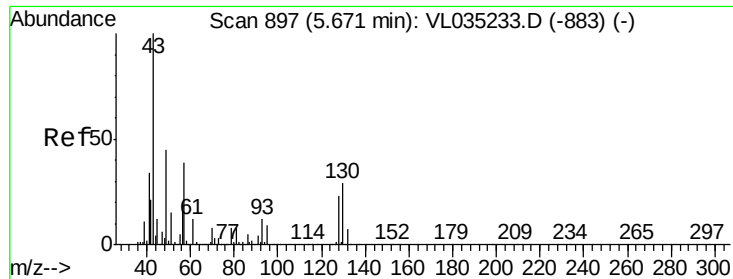
Delta R.T. -0.00 min

Lab File: VL035236.D

Acq: 29 Jul 2020 4:39

Tgt Ion	63	Resp	93880
Ion	Ratio	Lower	Upper
63	100		
98	2.7	1.9	5.7
100	5.2	1.4	4.2#





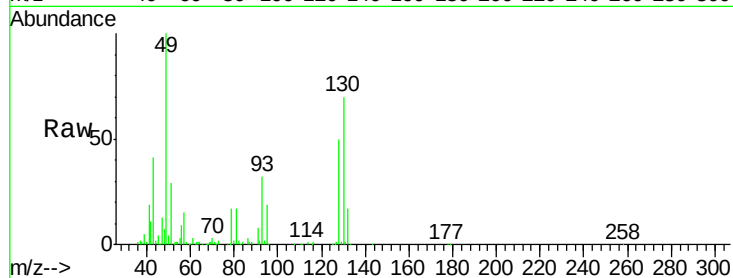
#25
Ethyl Acetate
Concen: 0.496 ppbv
RT: 5.68 min Scan# 899
Delta R.T. 0.01 min
Lab File: VL035236.D
Acq: 29 Jul 2020 4:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

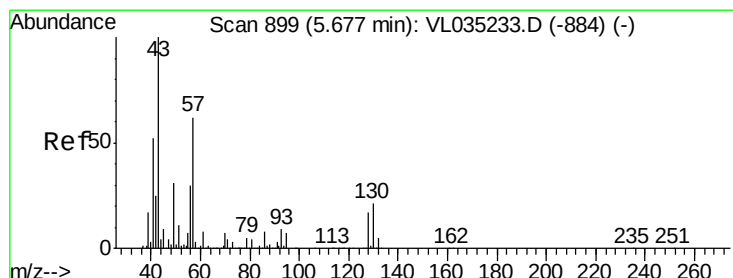
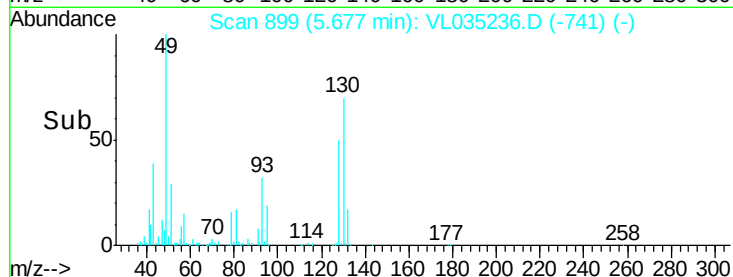
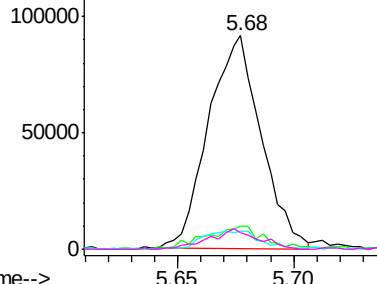
Tot Ion	Ratio	Lower	Upper
43	100		
45	13.3	8.5	12.7#
61	10.0	8.1	12.1
70	9.0	6.2	9.4

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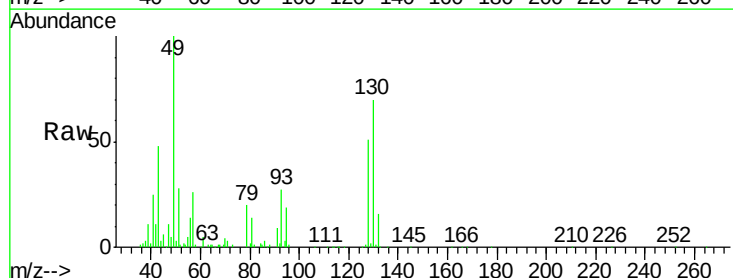


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

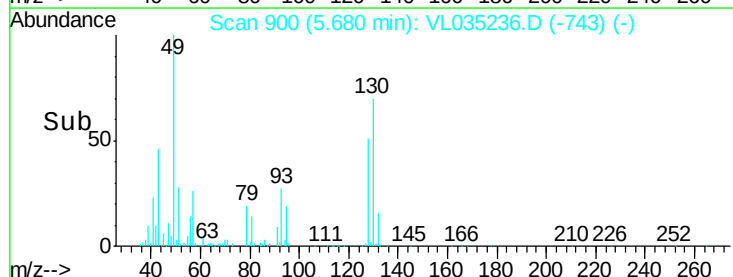
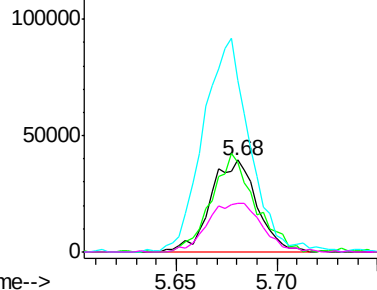


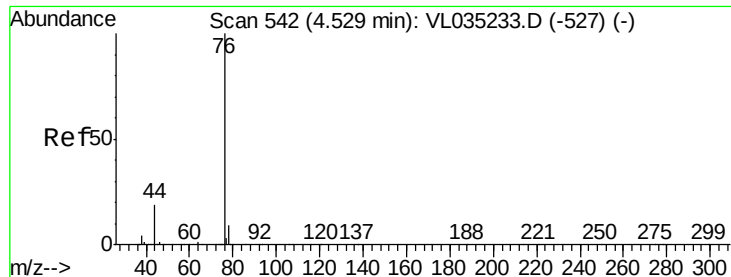
#26
Hexane
Concen: 0.492 ppbv m
RT: 5.68 min Scan# 900
Delta R.T. 0.00 min
Lab File: VL035236.D
Acq: 29 Jul 2020 4:39

Tgt Ion	Ratio	Lower	Upper
57	100		
41	0.0	73.9	110.9#
43	0.0	177.6	266.4#
56	0.0	43.0	64.4#



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





#27

Carbon Disulfide

Concen: 0.527 ppbv

RT: 4.53 min Scan# 543

Delta R.T. 0.00 min

Lab File: VL035236.D

Acq: 29 Jul 2020 4:39

Instrument :

MSVOA_L

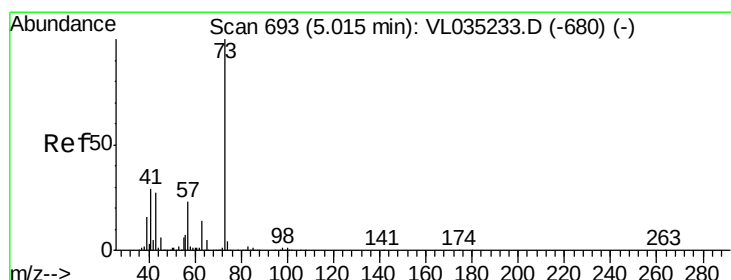
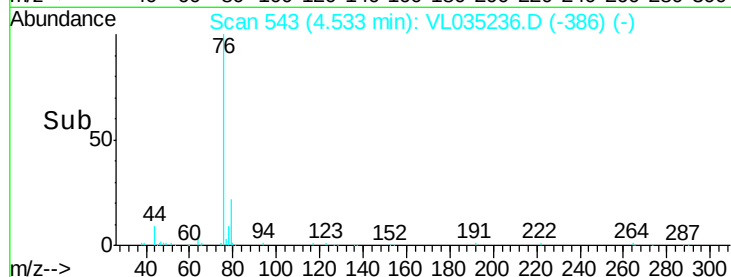
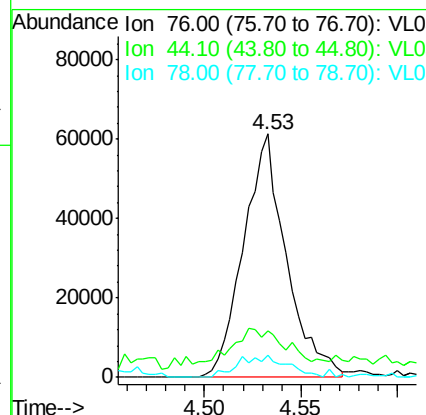
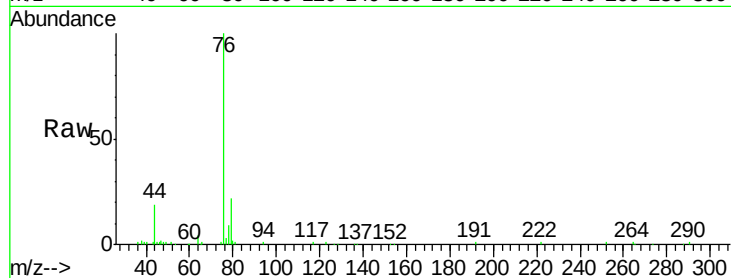
ClientSampleId :

VSTDIC0.5

Tot Ion:	76	Resp:	94524
Ion Ratio	Lower	Upper	
76	100		
44	30.0	14.7	22.1#
78	10.5	7.6	11.4

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#28

Methyl tert-Butyl Ether

Concen: 0.433 ppbv

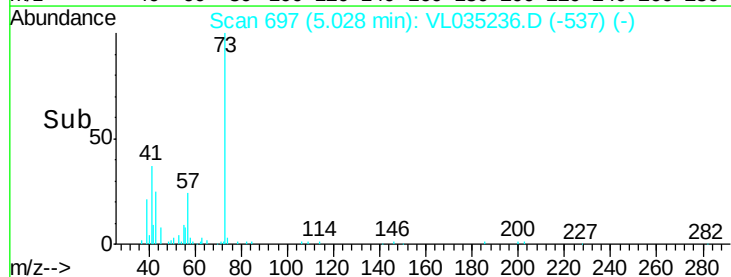
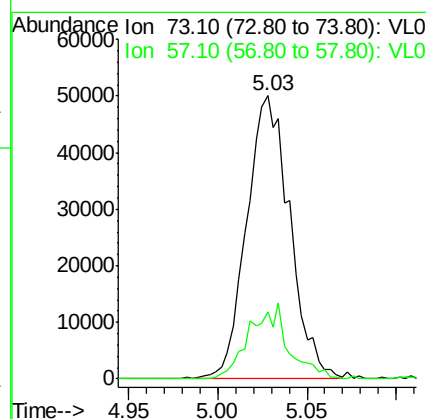
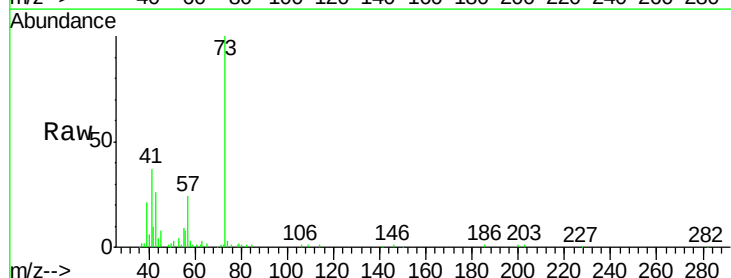
RT: 5.03 min Scan# 697

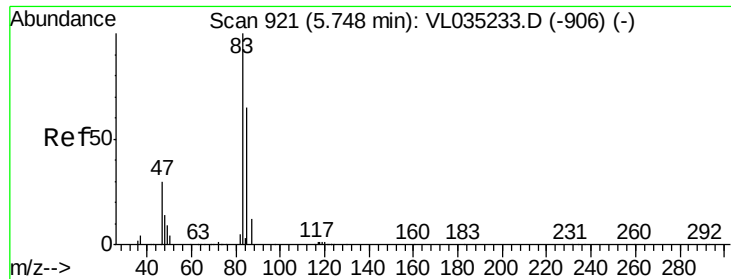
Delta R.T. 0.01 min

Lab File: VL035236.D

Acq: 29 Jul 2020 4:39

Tgt Ion:	73	Resp:	84640
Ion Ratio	Lower	Upper	
73	100		
57	24.2	18.2	27.4





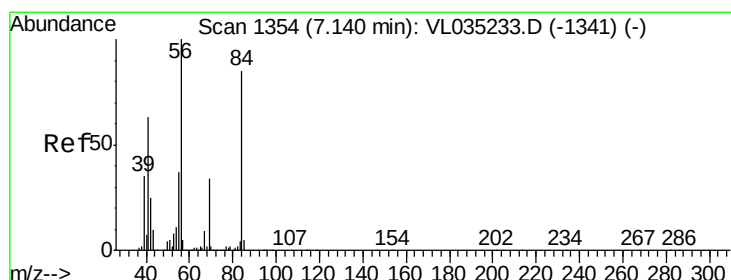
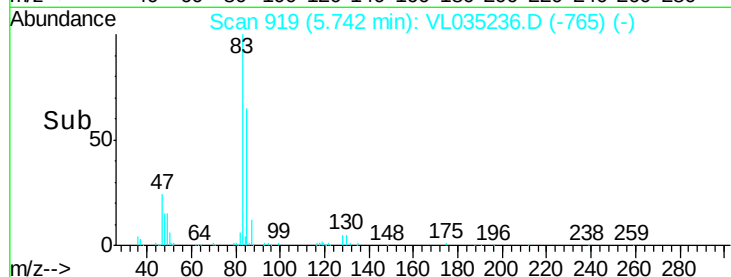
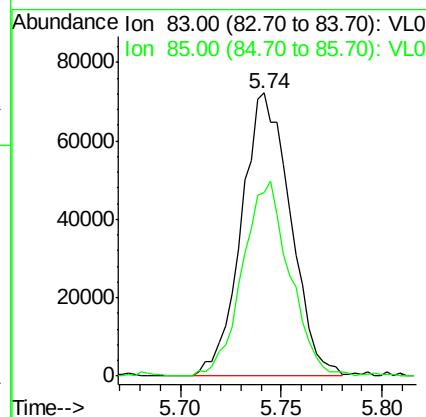
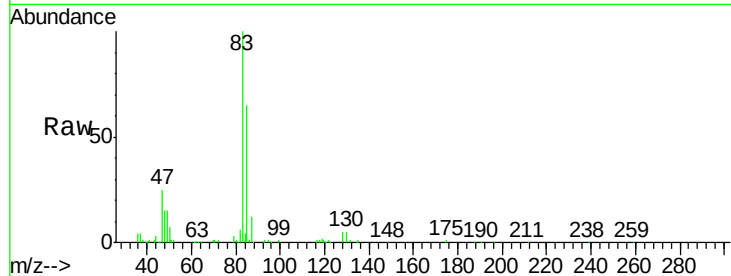
#29
Chloroform
Concen: 0.569 ppbv
RT: 5.74 min Scan# 919
Delta R.T. -0.01 min
Lab File: VL035236.D
Acq: 29 Jul 2020 4:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.7	77.5

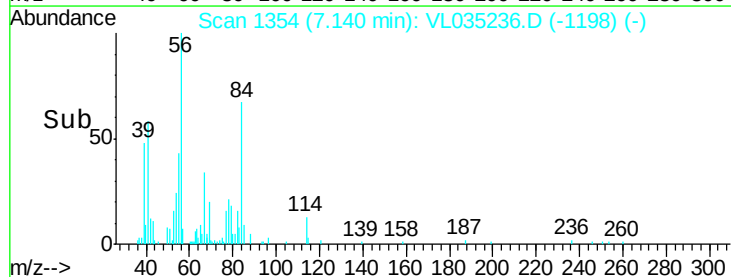
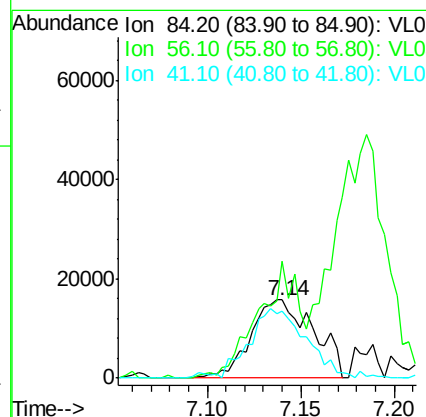
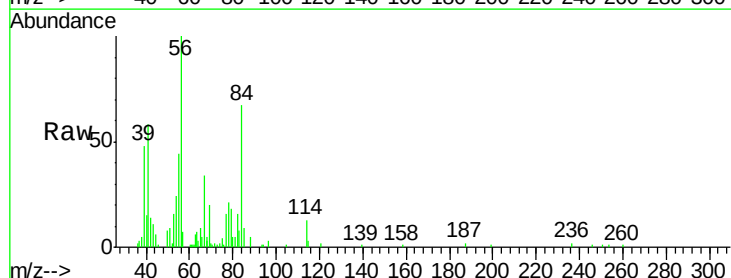
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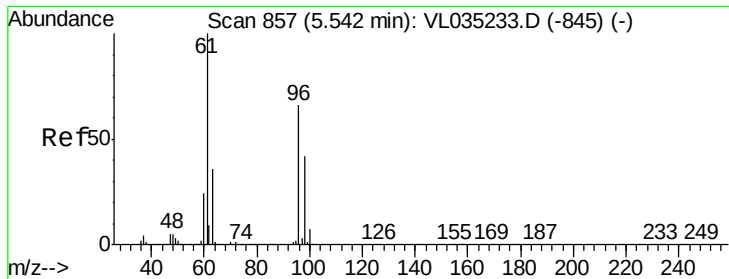
MMDadoda
7/30/2020 6:10:28 PM



#30
Cyclohexane
Concen: 0.385 ppbv m
RT: 7.14 min Scan# 1354
Delta R.T. 0.00 min
Lab File: VL035236.D
Acq: 29 Jul 2020 4:39

Tgt Ion	Ratio	Lower	Upper
84	100		
56	0.0	104.2	156.2#
41	82.8	63.7	95.5





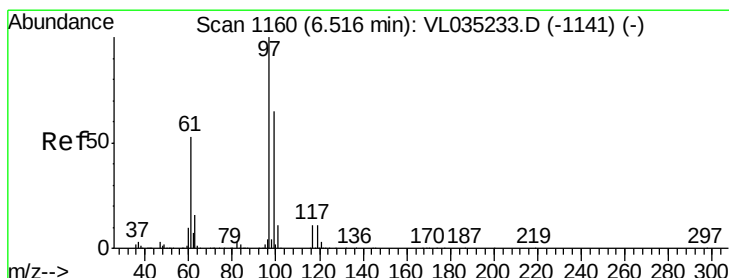
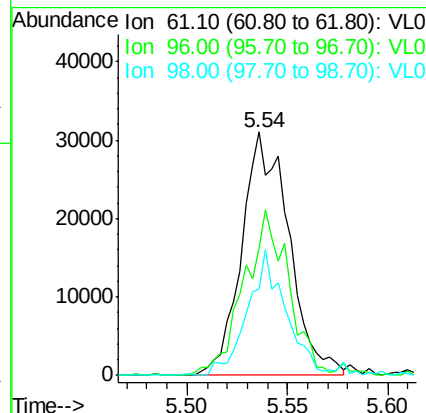
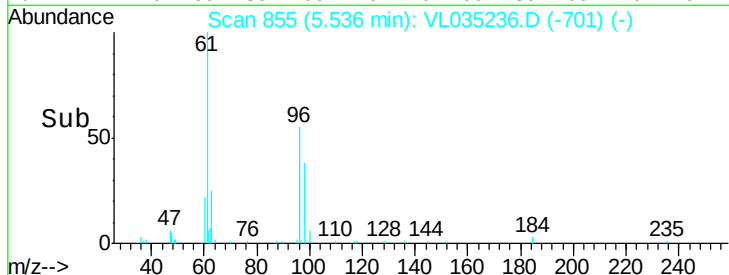
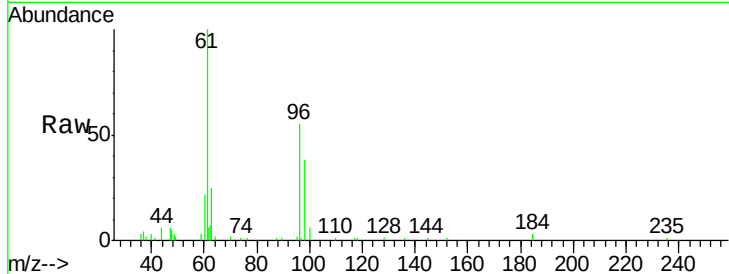
#31
 cis-1,2-Dichloroethene
 Concen: 0.421 ppbv m
 RT: 5.54 min Scan# 855
 Delta R.T. -0.01 min
 Lab File: VL035236.D
 Acq: 29 Jul 2020 4:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
61	100		
96	55.4	52.6	78.8
98	37.5	33.7	50.5

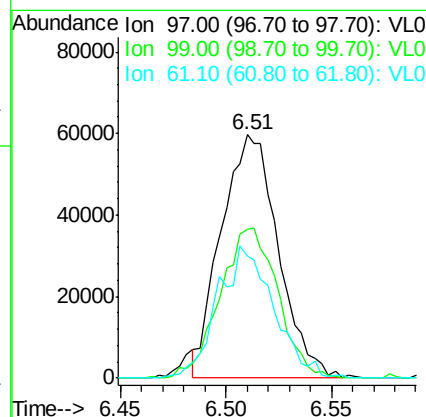
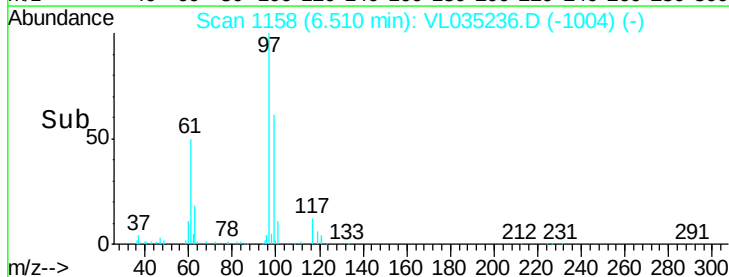
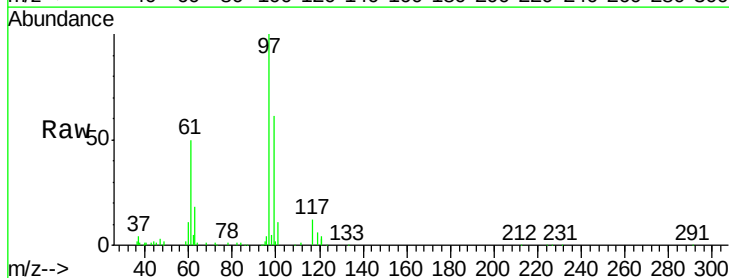
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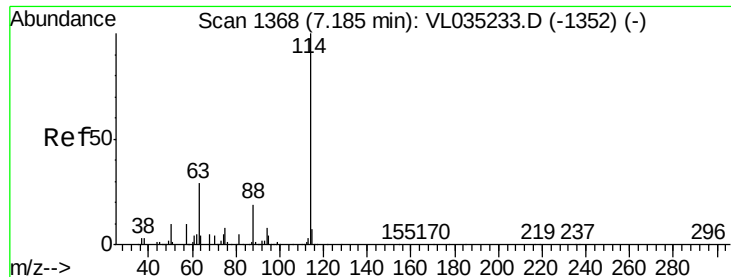
MMDadoda
 7/30/2020 6:10:28 PM



#32
 1,1,1-Trichloroethane
 Concen: 0.514 ppbv
 RT: 6.51 min Scan# 1158
 Delta R.T. -0.01 min
 Lab File: VL035236.D
 Acq: 29 Jul 2020 4:39

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.8	51.4	77.0
61	53.9	40.4	60.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VL035236.D

Acq: 29 Jul 2020 4:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion:114 Resp: 3388260

Ion Ratio Lower Upper

114 100

63 27.6 22.2 33.2

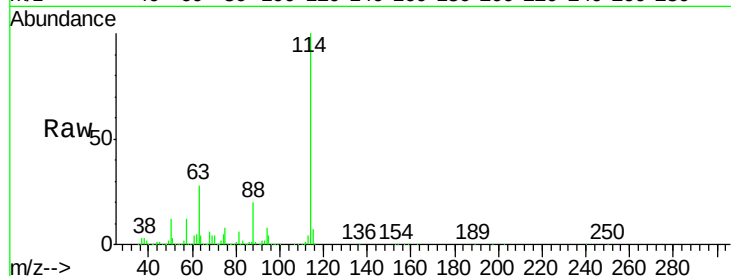
88 19.4 15.4 23.0

Manual Integrations

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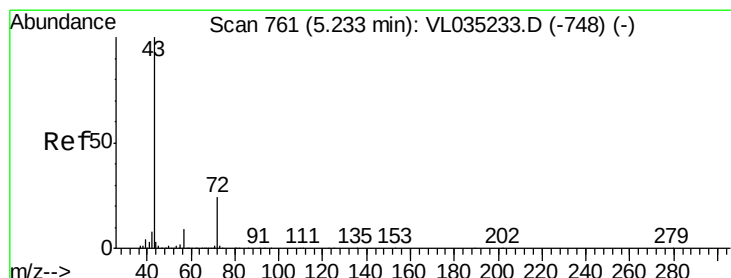
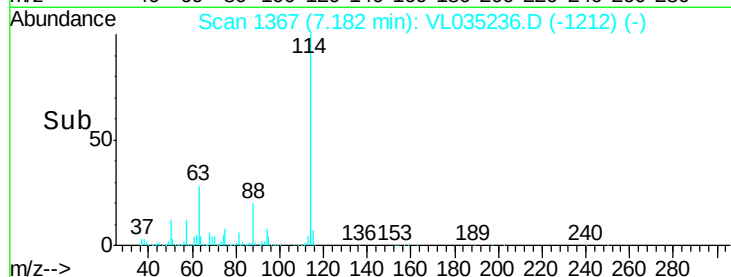
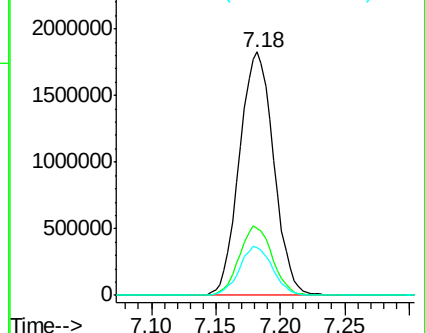
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Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 0.447 ppbv

RT: 5.24 min Scan# 764

Delta R.T. 0.01 min

Lab File: VL035236.D

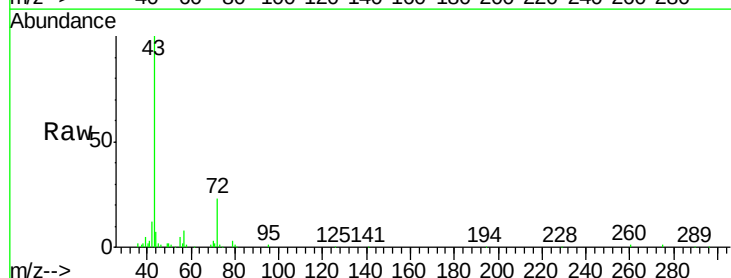
Acq: 29 Jul 2020 4:39

Tgt Ion: 43 Resp: 80737

Ion Ratio Lower Upper

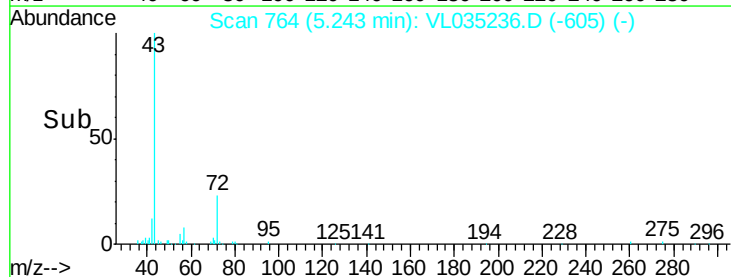
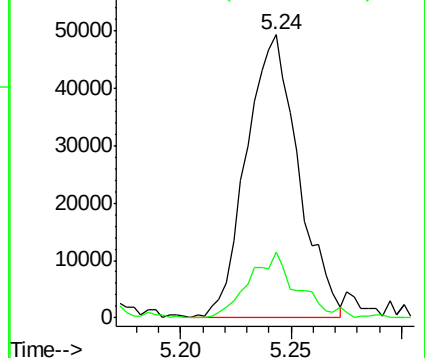
43 100

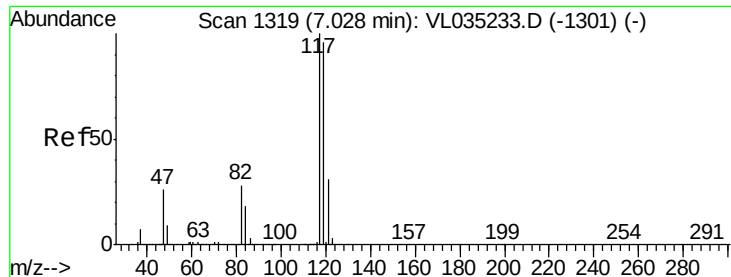
72 21.9 19.2 28.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 0.500 ppbv m

RT: 7.03 min Scan# 1319

Delta R.T. 0.00 min

Lab File: VL035236.D

Acq: 29 Jul 2020 4:39

Instrument :

MSVOA_L

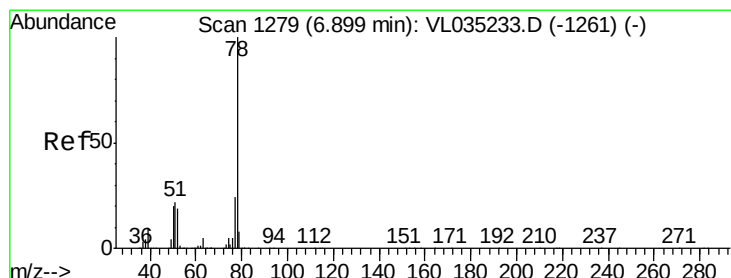
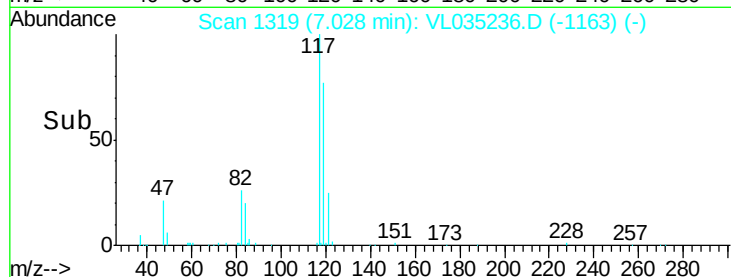
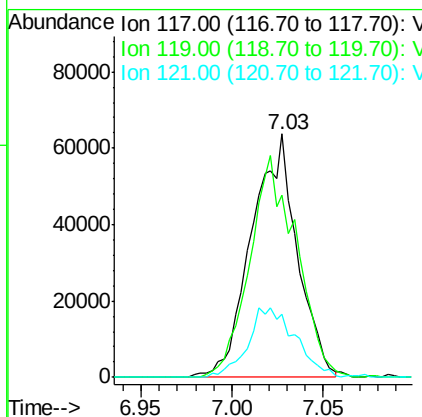
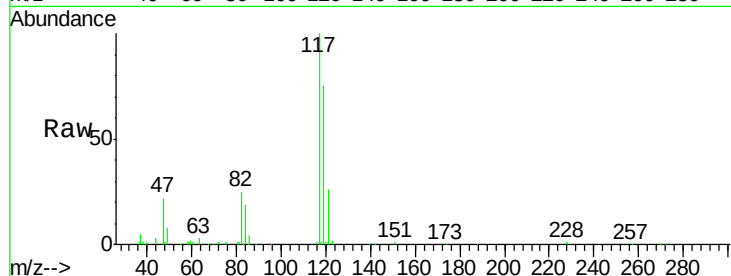
ClientSampleId :

VSTDIC0.5

Tot Ion:	117	Resp:	110693
Ion Ratio	Lower	Upper	
117	100		
119	74.9	76.8	115.2#
121	26.1	24.5	36.7

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#36

Benzene

Concen: 0.432 ppbv m

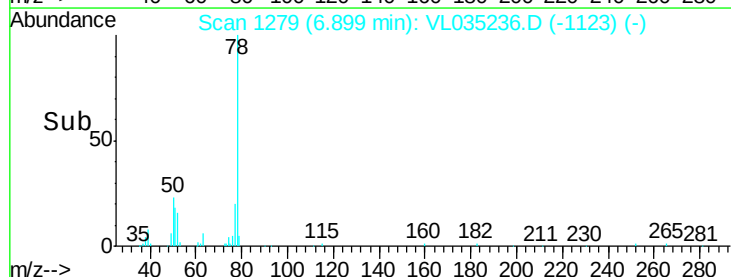
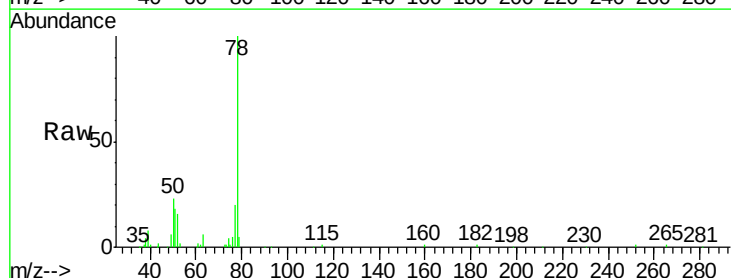
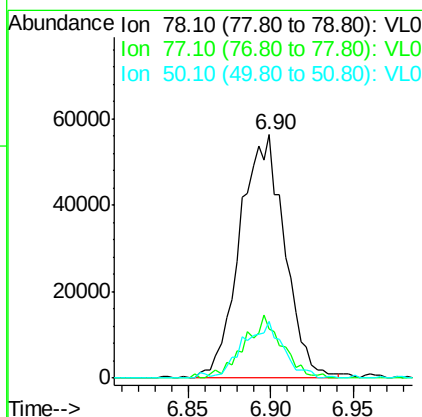
RT: 6.90 min Scan# 1279

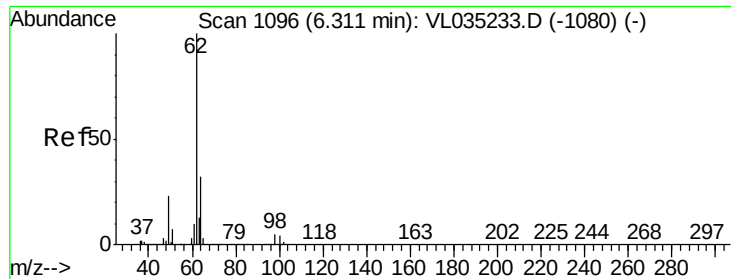
Delta R.T. 0.00 min

Lab File: VL035236.D

Acq: 29 Jul 2020 4:39

Tgt Ion:	78	Resp:	106003
Ion Ratio	Lower	Upper	
78	100		
77	20.4	18.9	28.3
50	23.1	16.1	24.1





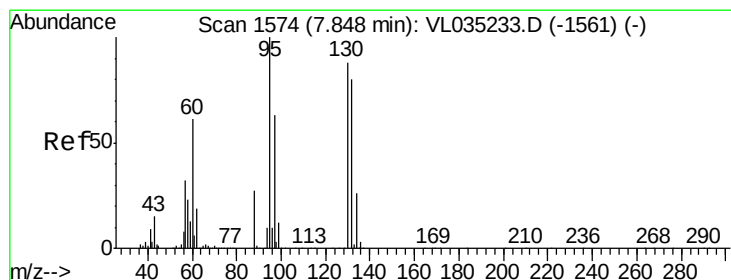
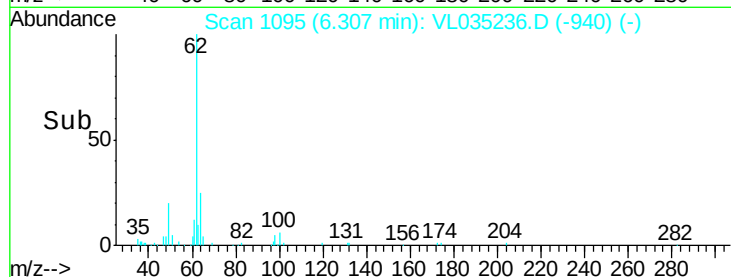
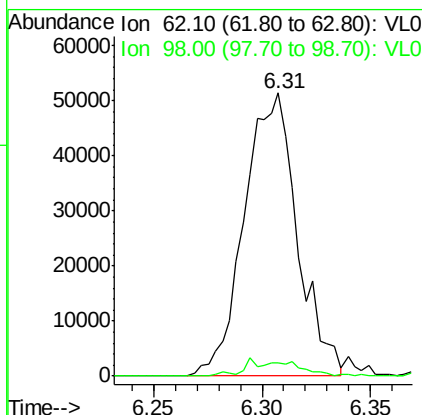
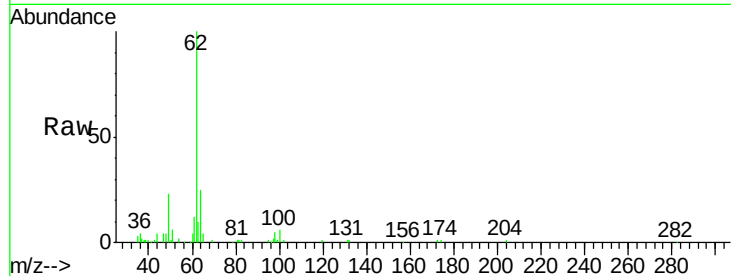
#37
 1,2-Dichloroethane
 Concen: 0.527 ppbv m
 RT: 6.31 min Scan# 1095
 Delta R.T. -0.00 min
 Lab File: VL035236.D
 Acq: 29 Jul 2020 4:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
62	100		
98	0.0	4.5	6.7#

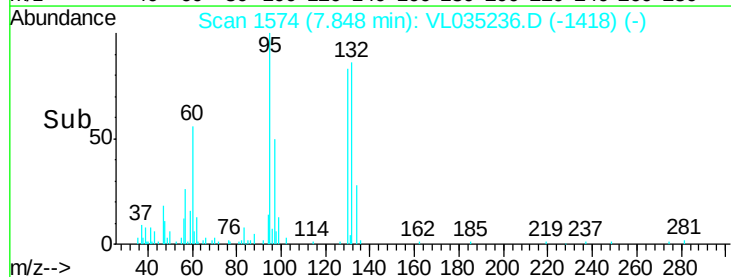
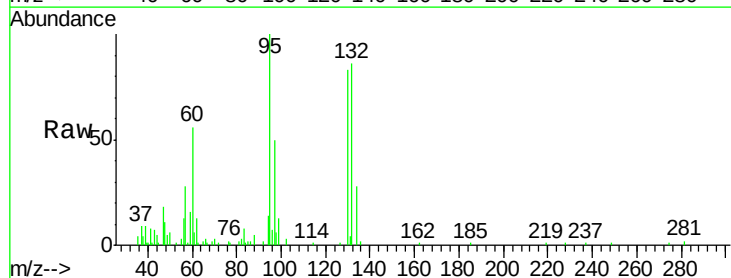
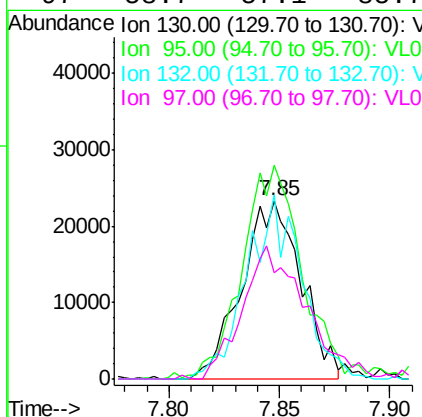
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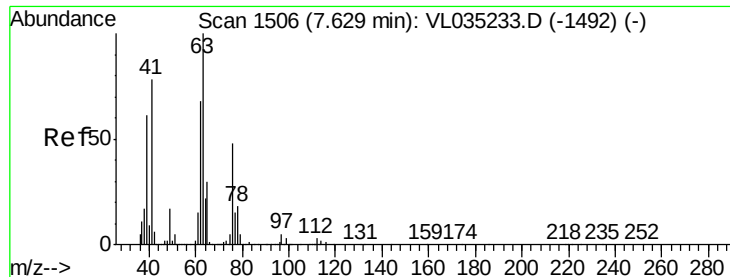
MMDadoda
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#38
 Trichloroethene
 Concen: 0.433 ppbv
 RT: 7.85 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: VL035236.D
 Acq: 29 Jul 2020 4:39

Tgt Ion	Ratio	Lower	Upper
130	100		
95	118.1	90.7	136.1
132	103.7	72.9	109.3
97	58.7	57.1	85.7





#39

1,2-Dichloropropane

Concen: 0.439 ppbv

RT: 7.63 min Scan# 1505

Delta R.T. -0.00 min

Lab File: VL035236.D

Acq: 29 Jul 2020 4:39

Instrument :

MSVOA_L

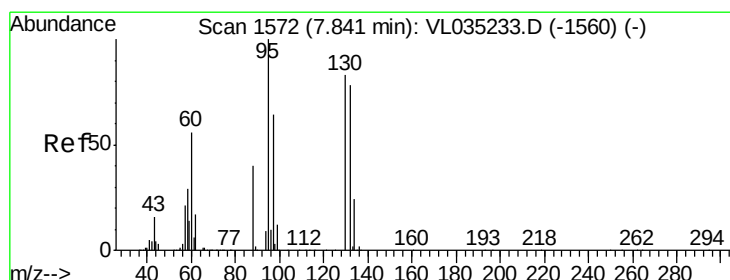
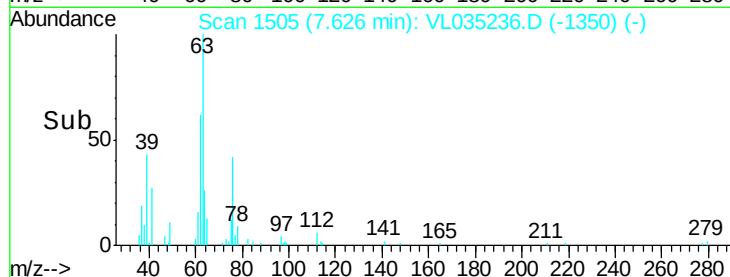
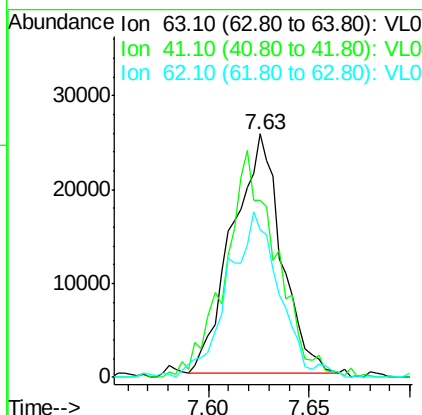
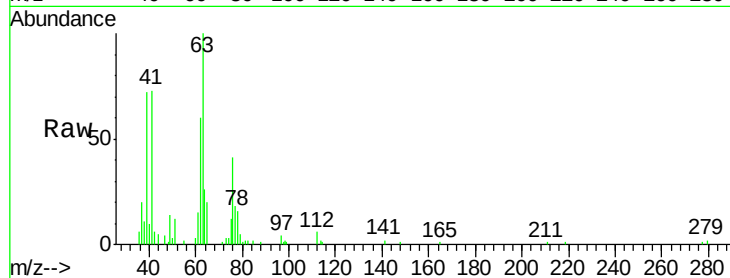
ClientSampleId :

VSTDIC0.5

Tot Ion:	63	Resp:	43153
Ion	Ratio	Lower	Upper
63	100		
41	72.1	62.2	93.4
62	59.6	54.2	81.2

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#40

1,4-Dioxane

Concen: 0.466 ppbv m

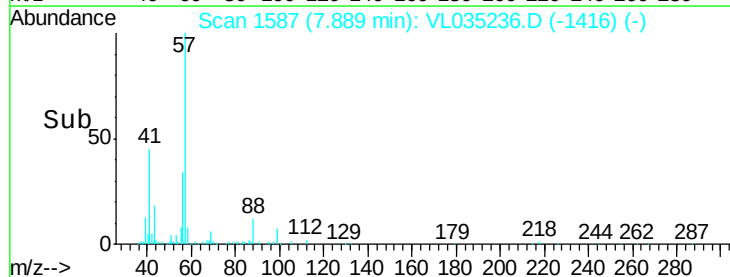
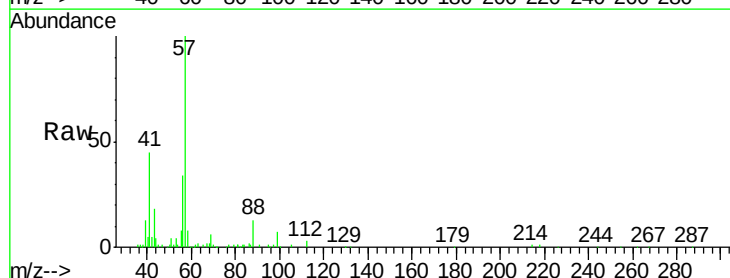
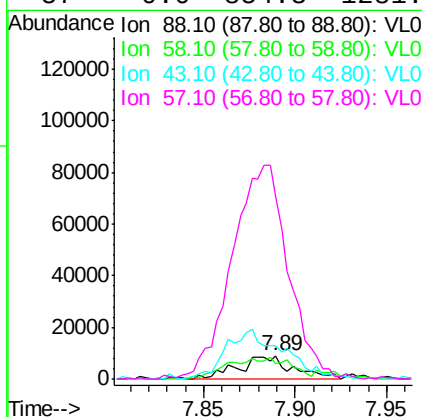
RT: 7.89 min Scan# 1587

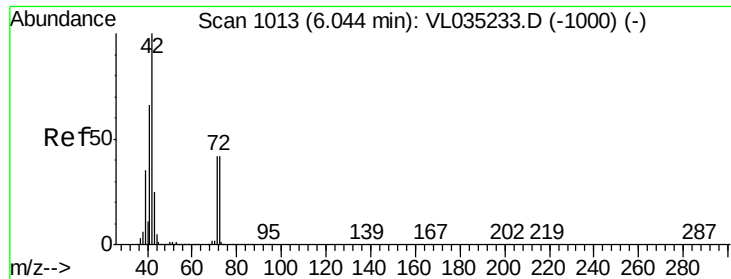
Delta R.T. 0.05 min

Lab File: VL035236.D

Acq: 29 Jul 2020 4:39

Tgt Ion:	88	Resp:	18243
Ion	Ratio	Lower	Upper
88	100		
58	0.0	99.3	148.9#
43	0.0	195.6	293.4#
57	0.0	854.3	1281.5#





#41

Tetrahydrofuran

Concen: 0.368 ppbv m

RT: 6.06 min Scan# 1019

Delta R.T. 0.02 min

Lab File: VL035236.D

Acq: 29 Jul 2020 4:39

Instrument :

MSVOA_L

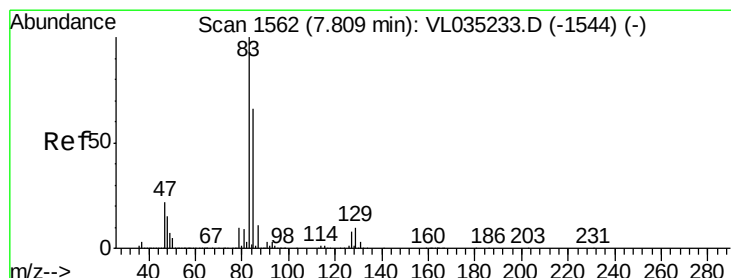
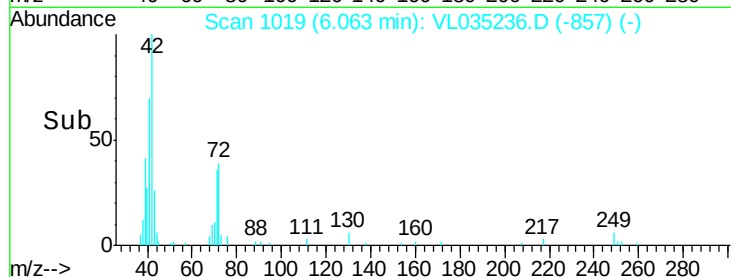
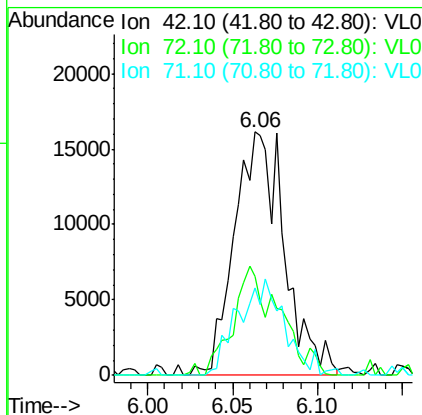
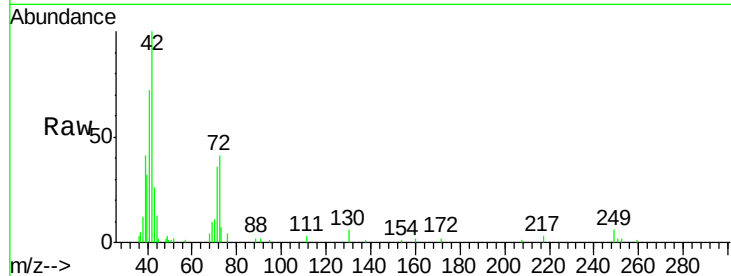
ClientSampleId :

VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.8	34.2	51.2
71	0.0	33.2	49.8

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#42

Bromodichloromethane

Concen: 0.482 ppbv

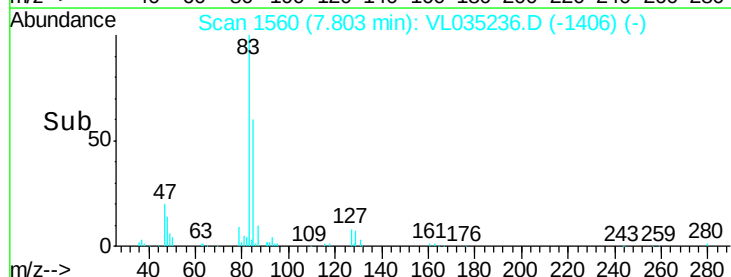
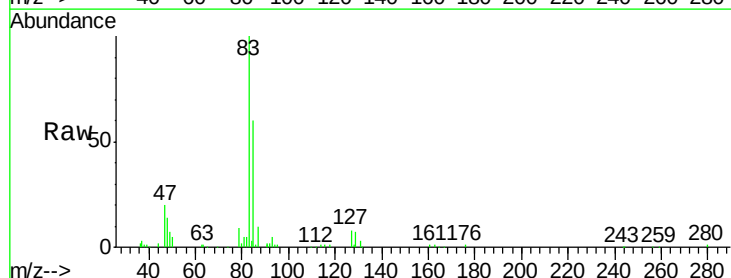
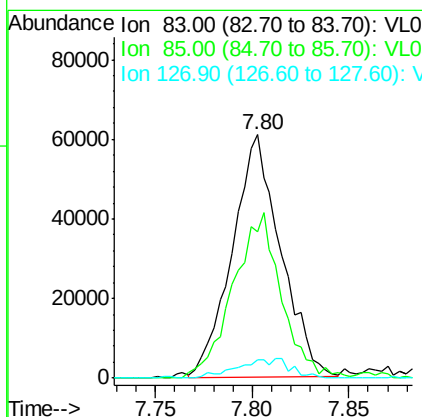
RT: 7.80 min Scan# 1560

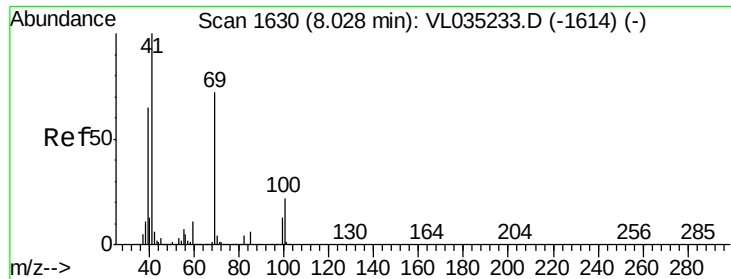
Delta R.T. -0.01 min

Lab File: VL035236.D

Acq: 29 Jul 2020 4:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	58.6	52.9	79.3
127	7.8	6.5	9.7





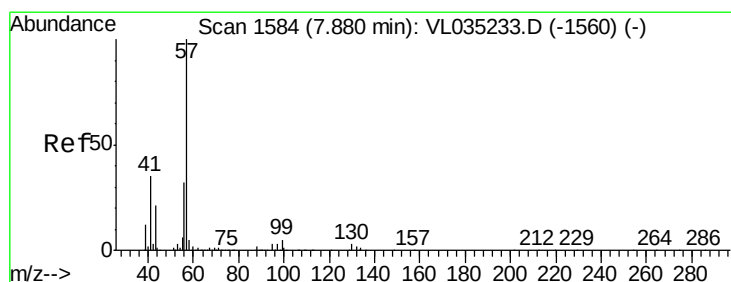
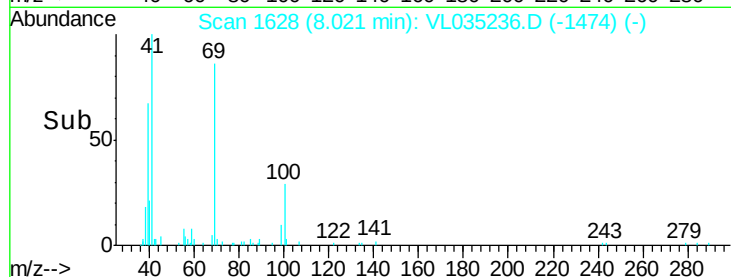
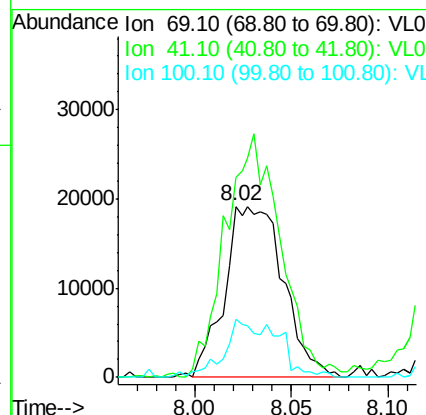
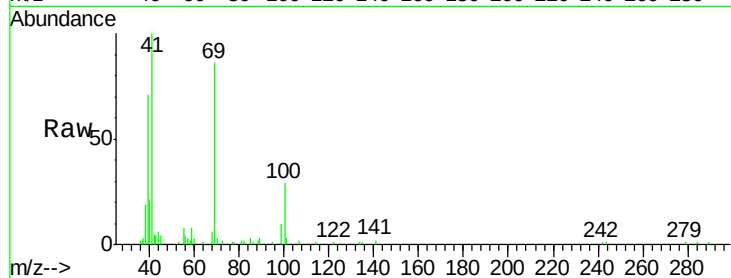
#43
Methyl Methacrylate
Concen: 0.388 ppbv m
RT: 8.02 min Scan# 1628
Delta R.T. -0.01 min
Lab File: VL035236.D
Acq: 29 Jul 2020 4:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
69	100		
41	0.0	113.0	169.4#
100	31.5	25.3	37.9

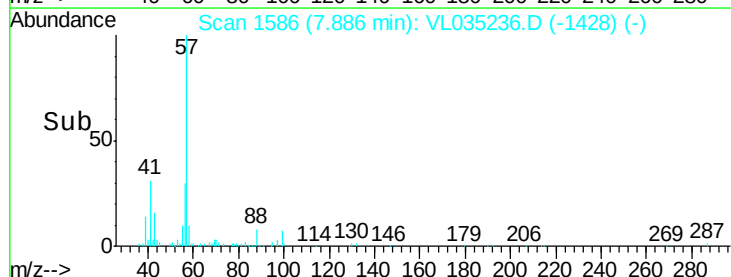
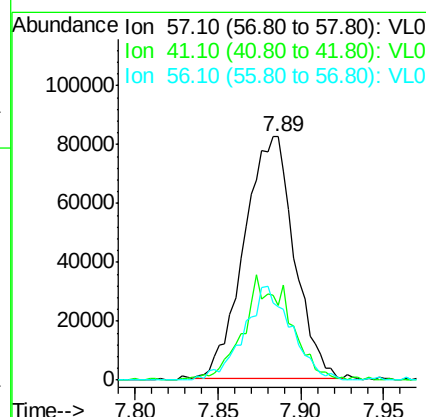
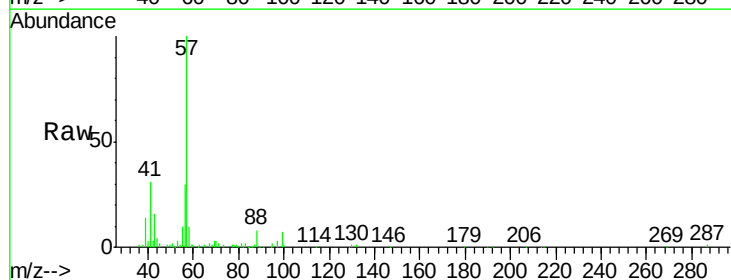
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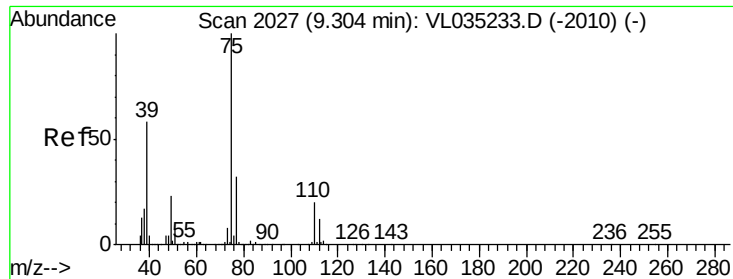
MMDadoda
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#44
2,2,4-Trimethylpentane
Concen: 0.405 ppbv
RT: 7.89 min Scan# 1586
Delta R.T. 0.01 min
Lab File: VL035236.D
Acq: 29 Jul 2020 4:39

Tgt Ion	Ratio	Lower	Upper
57	100		
41	40.8	27.0	40.4#
56	36.8	25.6	38.4





#45

t-1,3-Dichloropropene

Concen: 0.323 ppbv m

RT: 9.30 min Scan# 2025

Delta R.T. -0.01 min

Lab File: VL035236.D

Acq: 29 Jul 2020 4:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 75 Resp: 35308

Ion Ratio Lower Upper

75 100

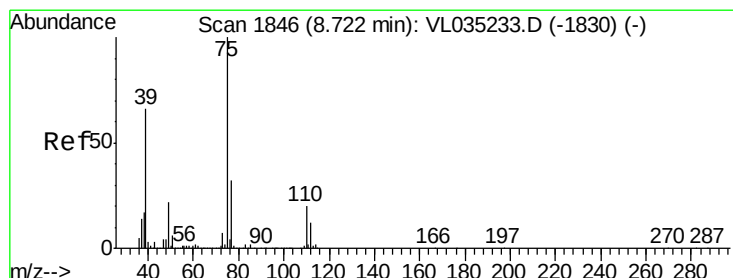
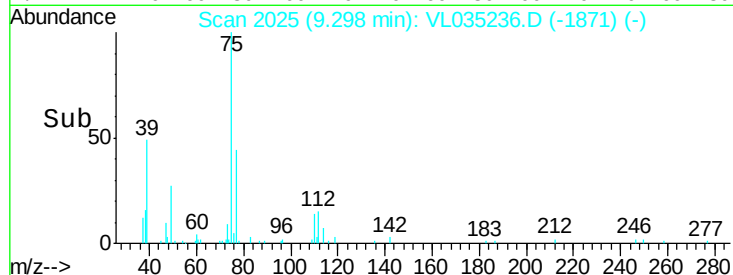
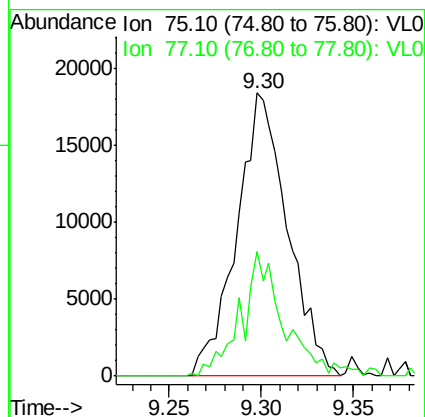
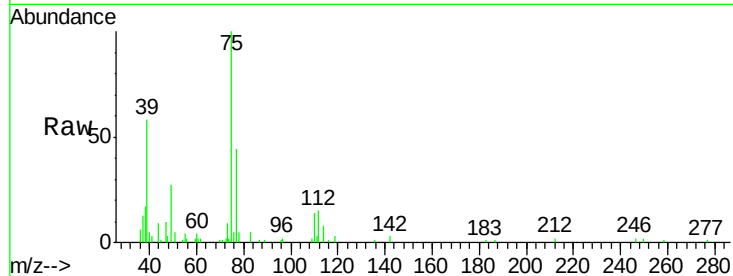
77 44.1 25.6 38.4#

Manual Integrations

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#46

cis-1,3-Dichloropropene

Concen: 0.347 ppbv m

RT: 8.73 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VL035236.D

Acq: 29 Jul 2020 4:39

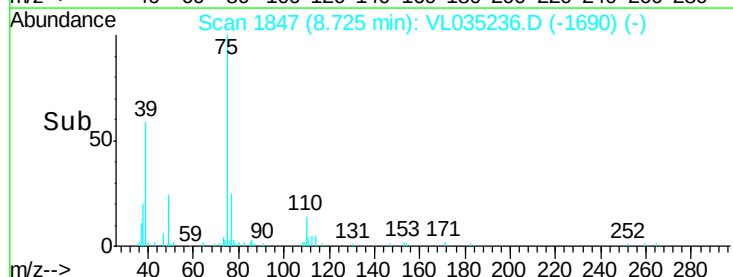
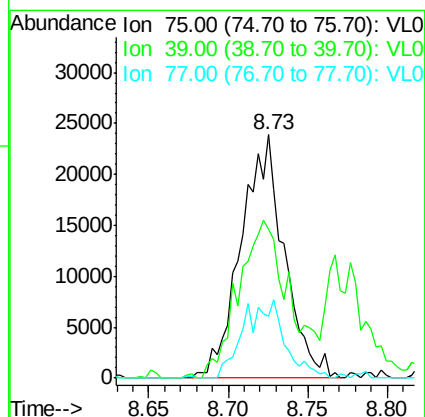
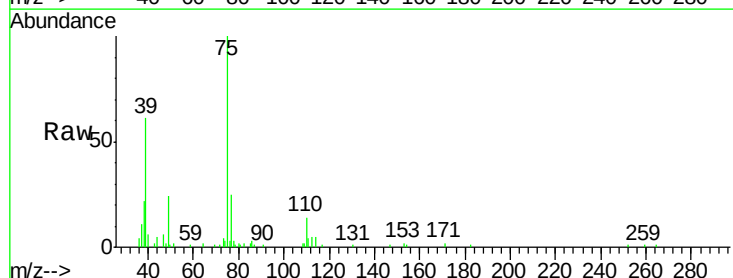
Tgt Ion: 75 Resp: 45158

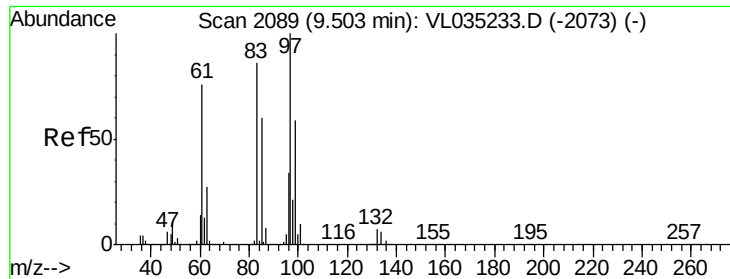
Ion Ratio Lower Upper

75 100

39 61.0 53.0 79.4

77 25.3 25.8 38.8#





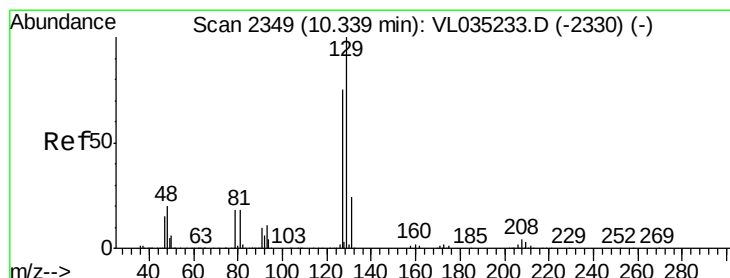
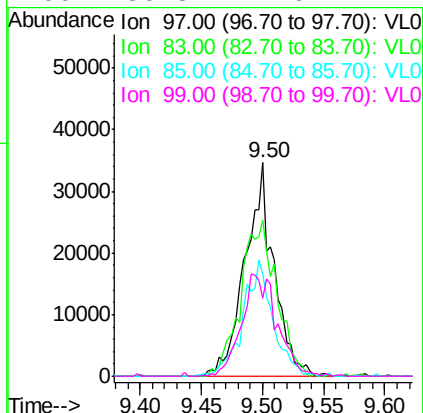
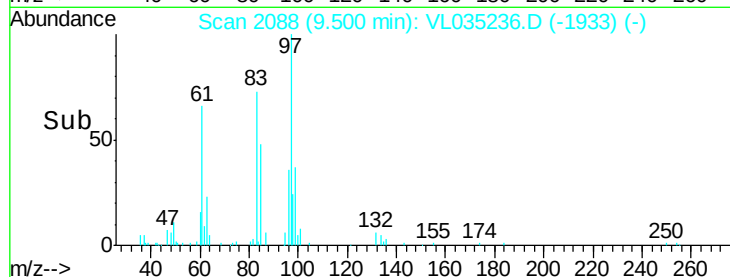
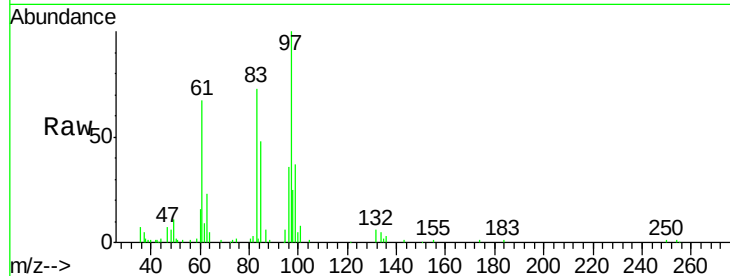
#47
 1,1,2-Trichloroethane
 Concen: 0.531 ppbv m
 RT: 9.50 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VL035236.D
 Acq: 29 Jul 2020 4:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	73.3	69.0	103.4	
85	47.9	47.8	71.8	
99	36.8	47.6	71.4#	

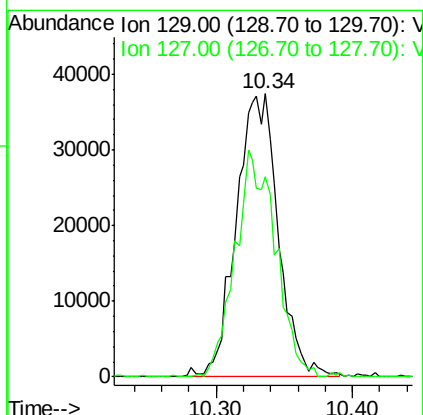
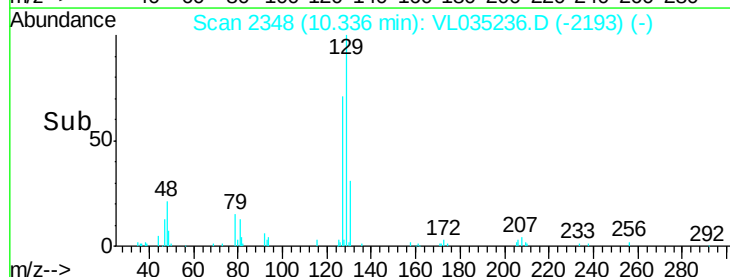
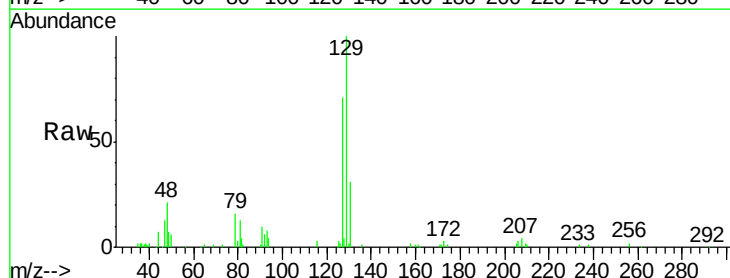
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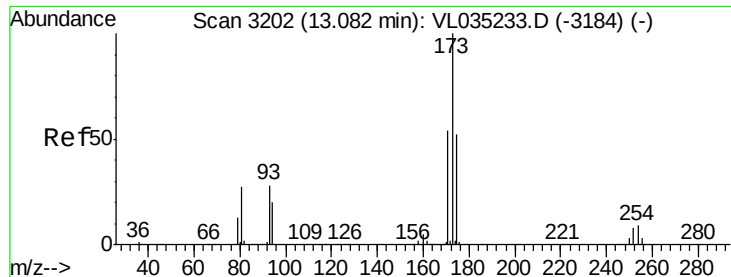
MMDadoda
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#48
 Dibromochloromethane
 Concen: 0.455 ppbv m
 RT: 10.34 min Scan# 2348
 Delta R.T. -0.00 min
 Lab File: VL035236.D
 Acq: 29 Jul 2020 4:39

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	0.0	39.6	119.0#	





#49

Bromoform

Concen: 0.450 ppbv m

RT: 13.08 min Scan# 3200

Delta R.T. -0.01 min

Lab File: VL035236.D

Acq: 29 Jul 2020 4:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 173 Resp: 69670

Ion Ratio Lower Upper

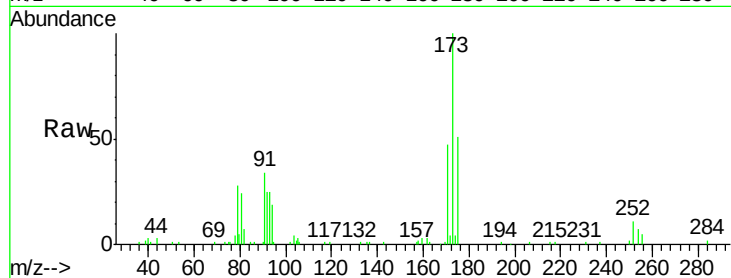
173 100

175 49.0 40.0 60.0

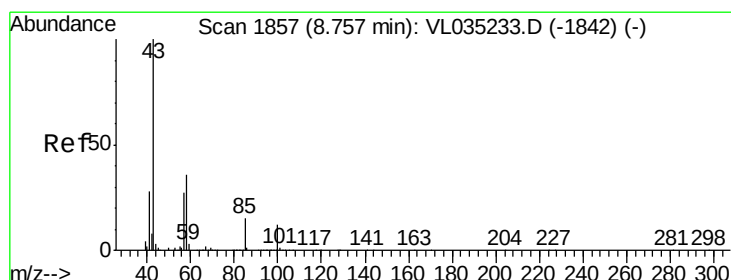
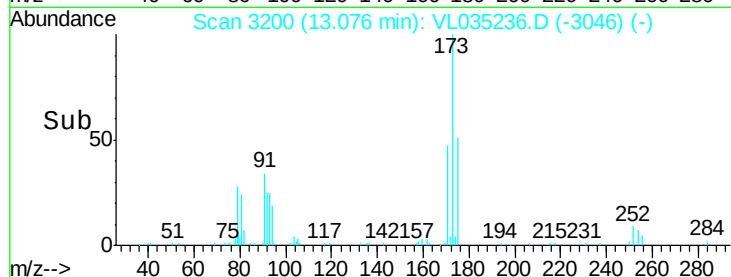
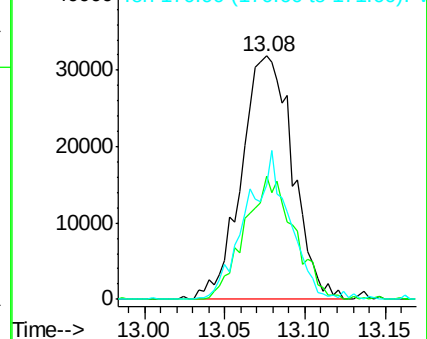
171 52.2 41.8 62.8

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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: 0.381 ppbv m

RT: 8.77 min Scan# 1861

Delta R.T. 0.01 min

Lab File: VL035236.D

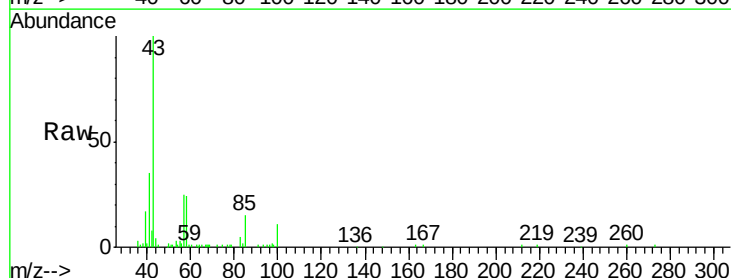
Acq: 29 Jul 2020 4:39

Tgt Ion: 43 Resp: 99179

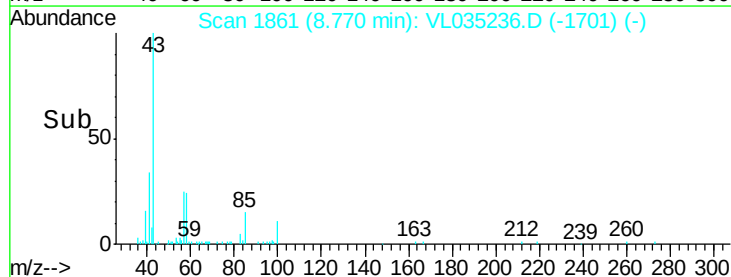
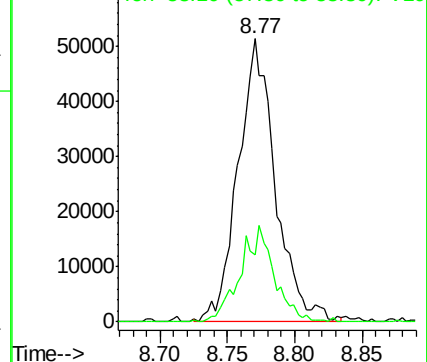
Ion Ratio Lower Upper

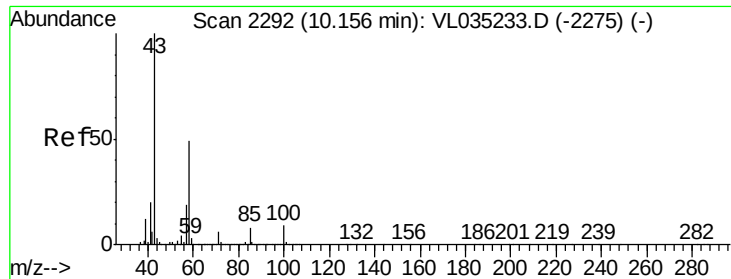
43 100

58 0.0 30.0 45.0#



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





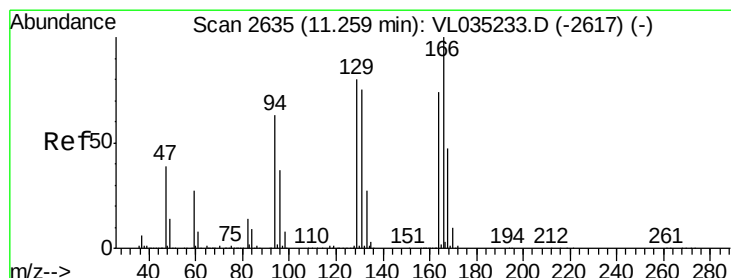
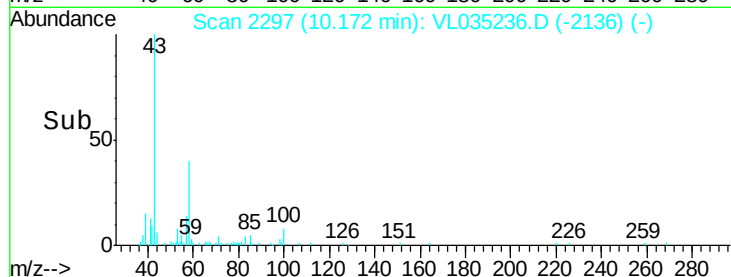
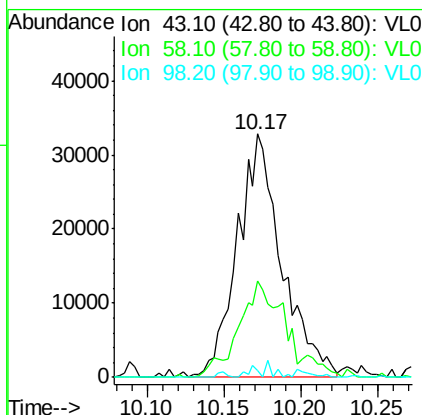
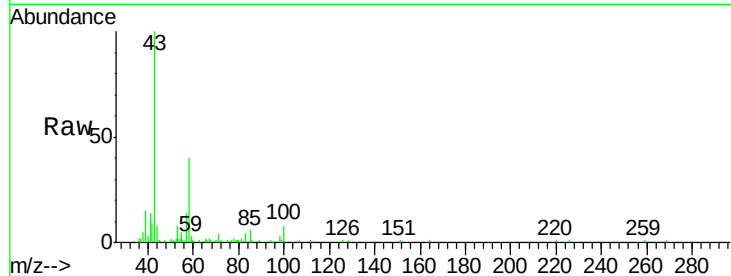
#51
2-Hexanone
Concen: 0.330 ppbv m
RT: 10.17 min Scan# 2297
Delta R.T. 0.02 min
Lab File: VL035236.D
Acq: 29 Jul 2020 4:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
43	100		
58	42.8	38.8	58.2
98	2.2	0.6	0.8#

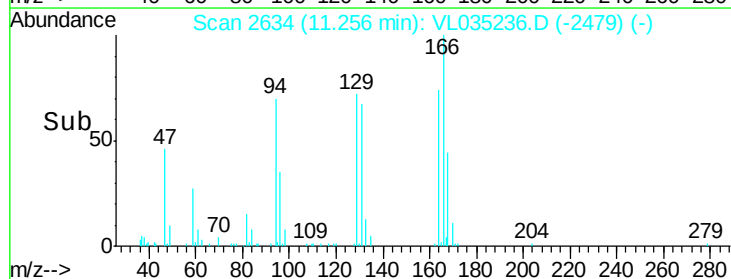
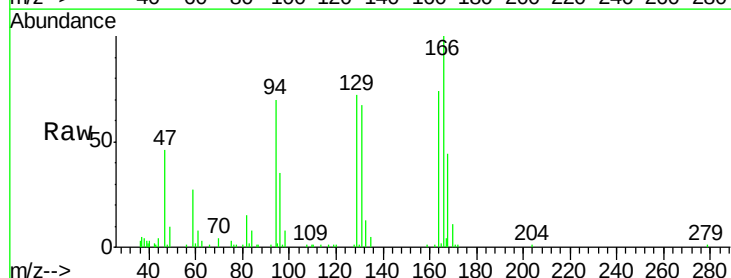
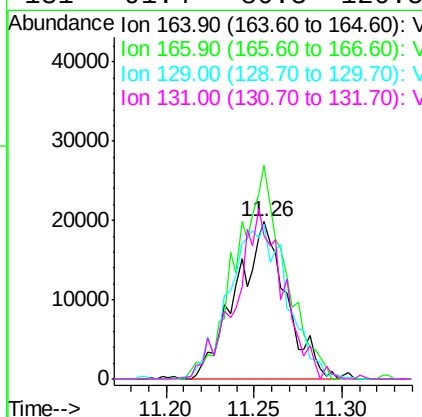
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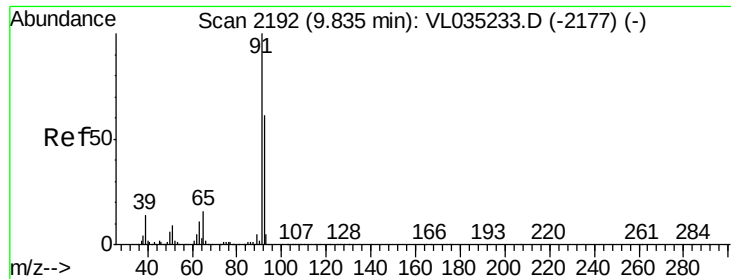
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#52
Tetrachloroethene
Concen: 0.426 ppbv m
RT: 11.26 min Scan# 2634
Delta R.T. -0.00 min
Lab File: VL035236.D
Acq: 29 Jul 2020 4:39

Tgt Ion	Ratio	Lower	Upper
164	100		
166	135.9	107.5	161.3
129	98.4	86.0	129.0
131	91.4	80.3	120.5





#53

Toluene

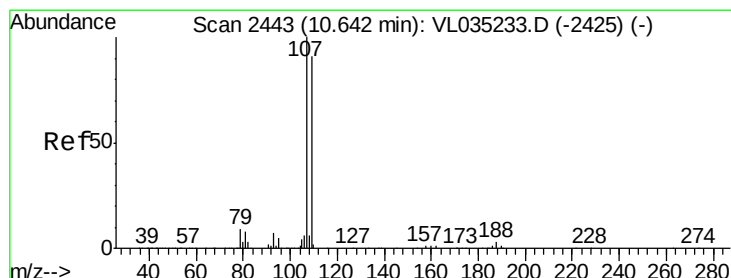
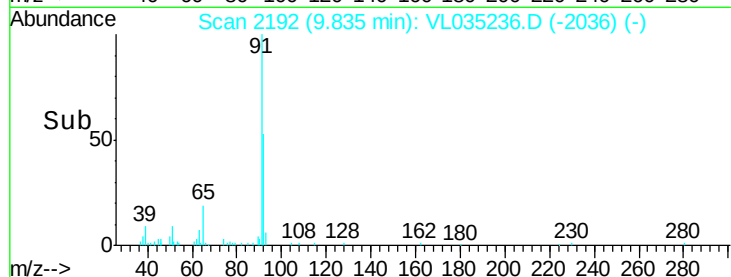
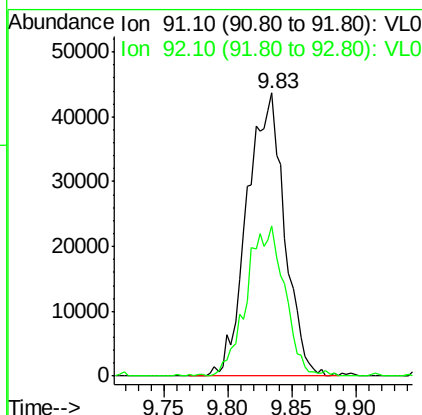
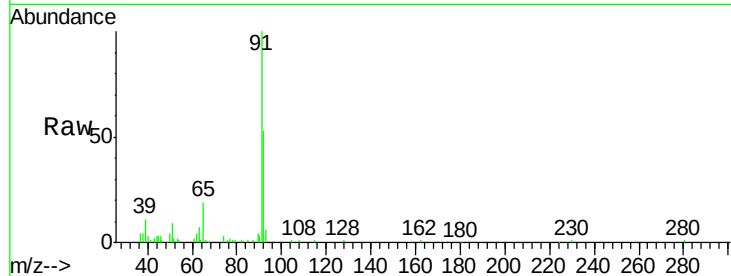
Concen: 0.341 ppbv m
RT: 9.83 min Scan# 2192
Delta R.T. 0.00 min
Lab File: VL035236.D
Acq: 29 Jul 2020 4:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.0	48.5	72.7

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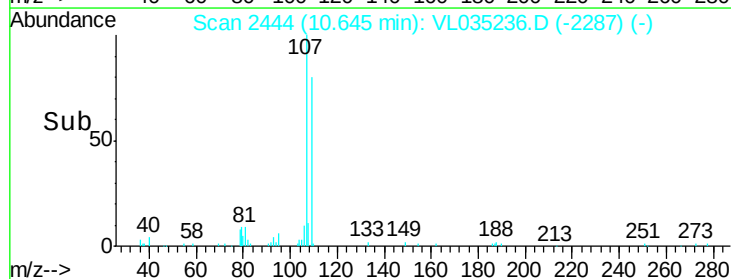
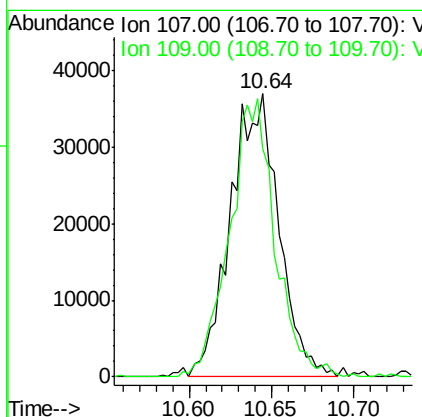
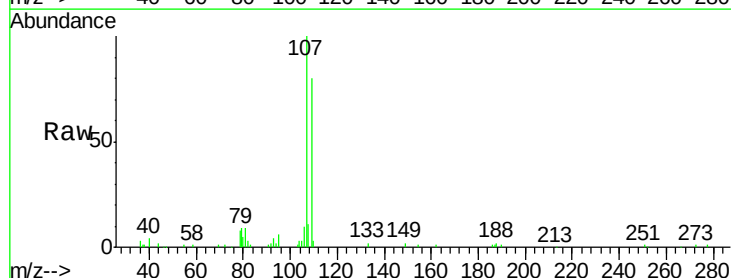


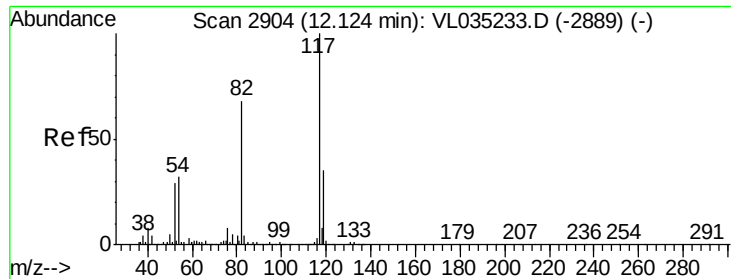
#54

1,2-Dibromoethane

Concen: 0.468 ppbv m
RT: 10.64 min Scan# 2444
Delta R.T. 0.00 min
Lab File: VL035236.D
Acq: 29 Jul 2020 4:39

Tgt Ion	Ratio	Lower	Upper
107	100		
109	80.5	73.0	109.6





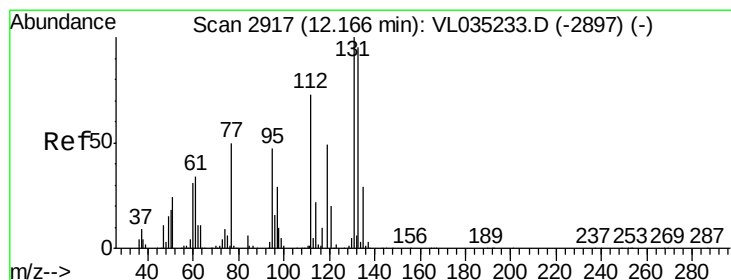
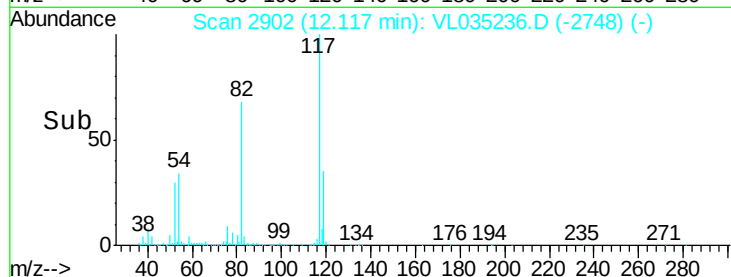
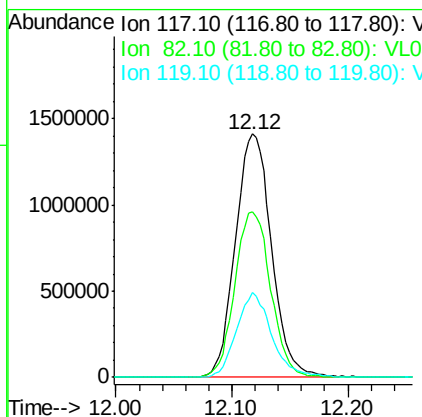
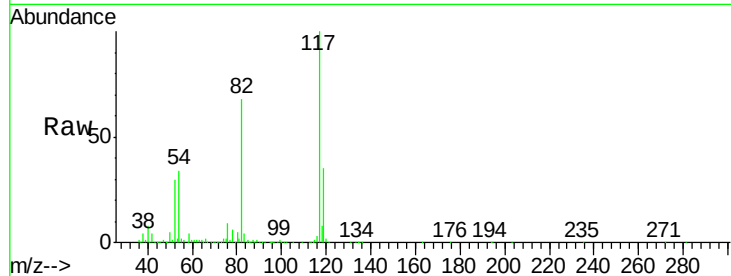
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2902
Delta R.T. -0.01 min
Lab File: VL035236.D
Acq: 29 Jul 2020 4:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion:117 Resp: 3057019
Ion Ratio Lower Upper
117 100
82 67.8 52.4 78.6
119 34.1 24.6 36.8

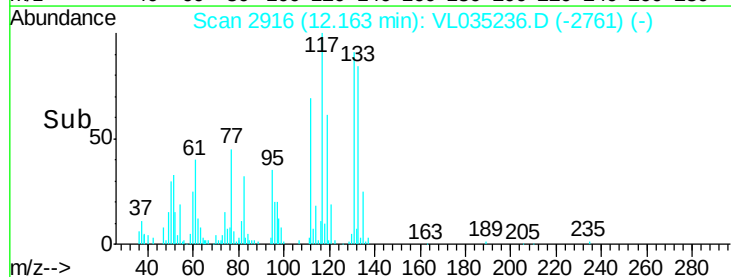
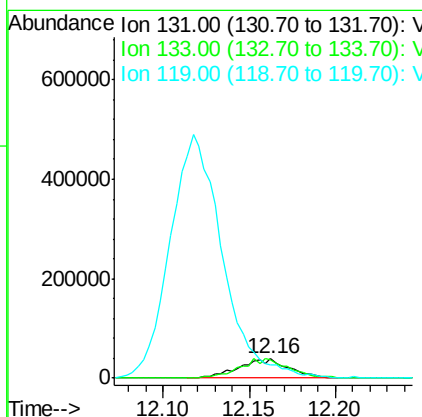
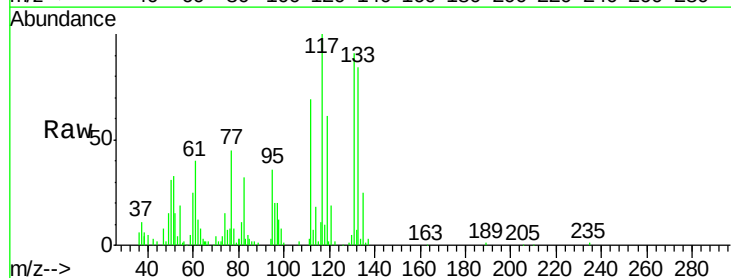
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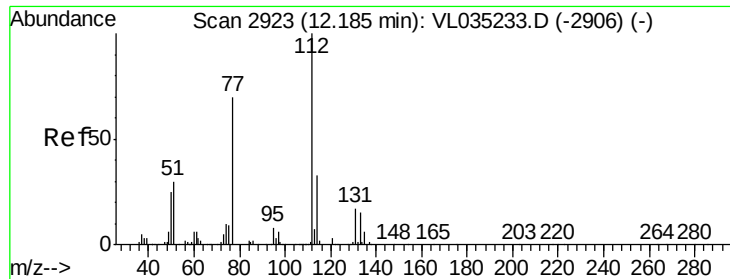
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 0.570 ppbv m
RT: 12.16 min Scan# 2916
Delta R.T. -0.00 min
Lab File: VL035236.D
Acq: 29 Jul 2020 4:39

Tgt Ion:131 Resp: 78206
Ion Ratio Lower Upper
131 100
133 0.0 76.1 114.1#
119 0.0 44.3 66.5#





#57

Chlorobenzene

Concen: 0.541 ppbv m

RT: 12.18 min Scan# 2920

Delta R.T. -0.01 min

Lab File: VL035236.D

Acq: 29 Jul 2020 4:39

Instrument :

MSVOA_L

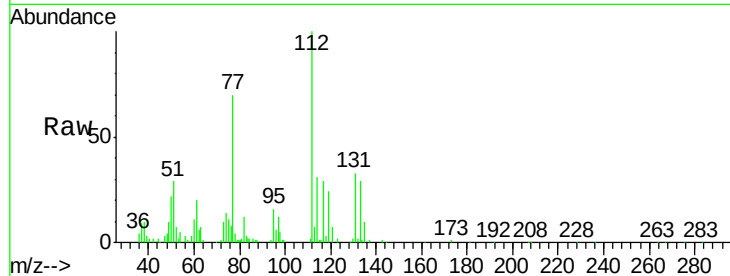
ClientSampleId :

VSTDIC0.5

Tot Ion	Ion	Ratio	Resp	Lower	Upper
112	100		123785		
77	70.0	57.3	85.9		
114	30.5	29.3	35.8		

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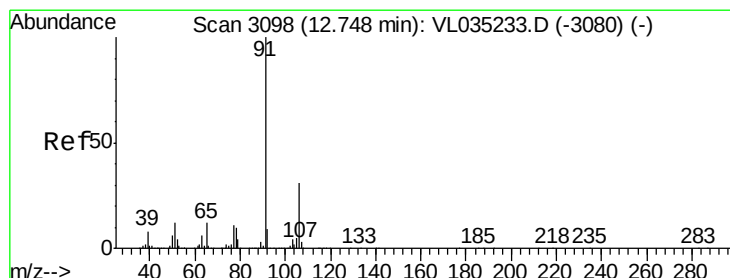
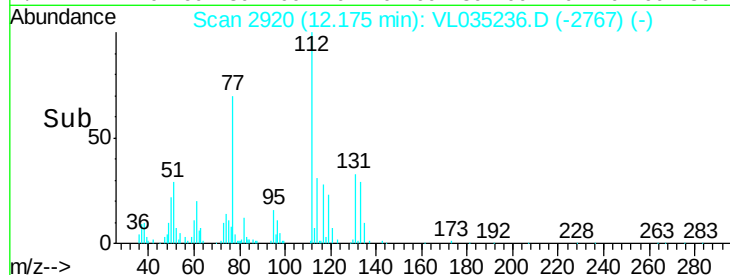
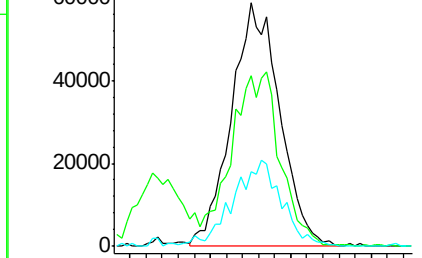
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 0.352 ppbv m

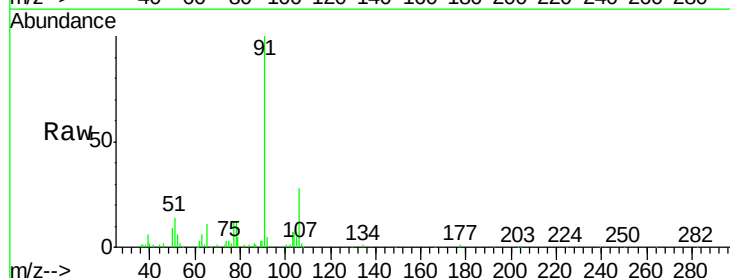
RT: 12.75 min Scan# 3098

Delta R.T. 0.00 min

Lab File: VL035236.D

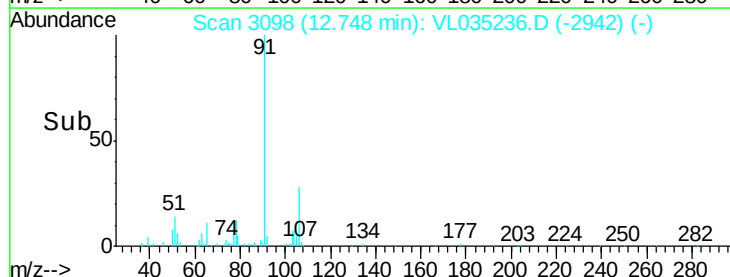
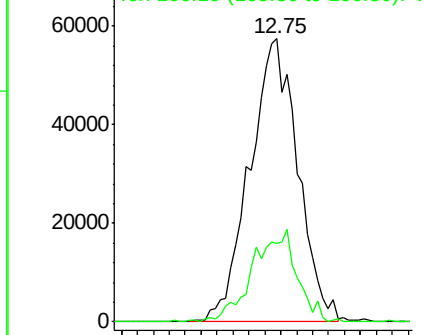
Acq: 29 Jul 2020 4:39

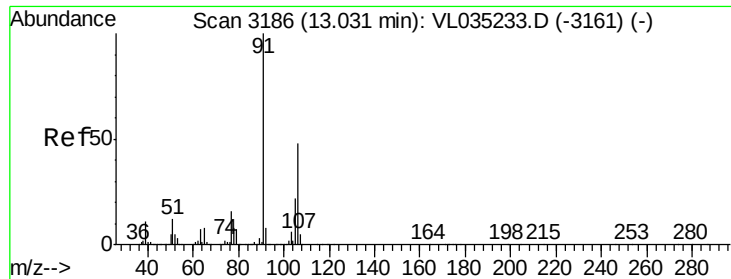
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		120388		
106	27.7	25.0	37.6		



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





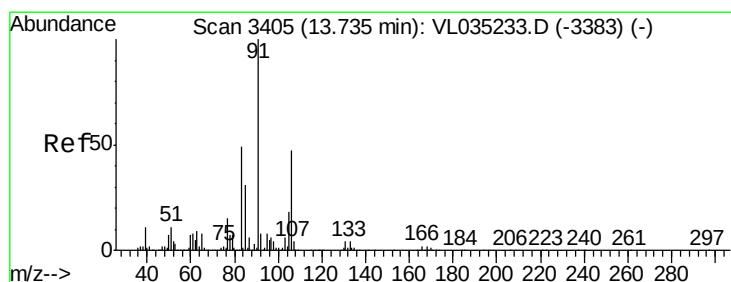
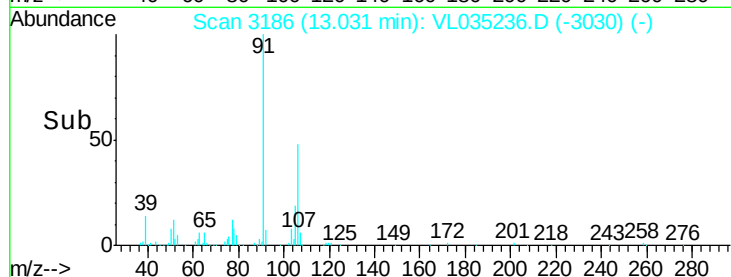
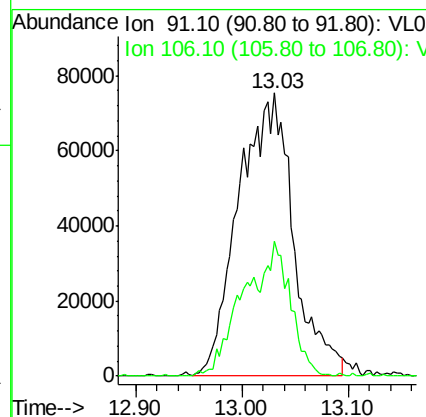
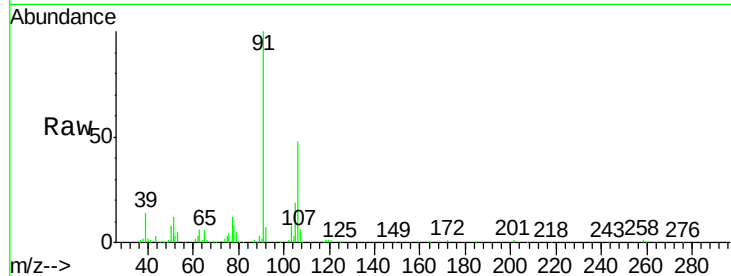
#59
m/p-Xylene
Concen: 0.880 ppbv m
RT: 13.03 min Scan# 3186
Delta R.T. 0.00 min
Lab File: VL035236.D
Acq: 29 Jul 2020 4:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion: 91 Resp: 268934
Ion Ratio Lower Upper
91 100
106 0.0 37.2 55.8#

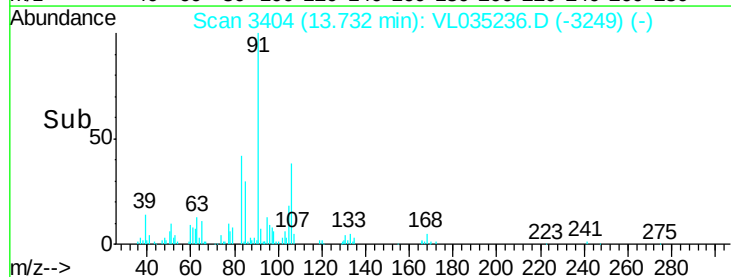
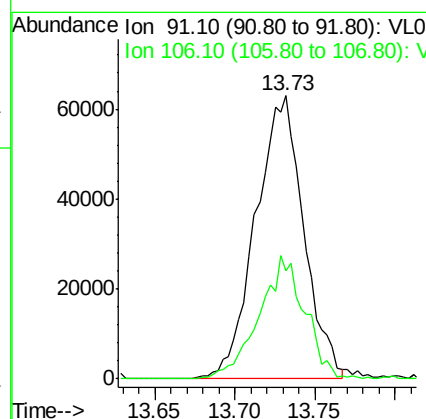
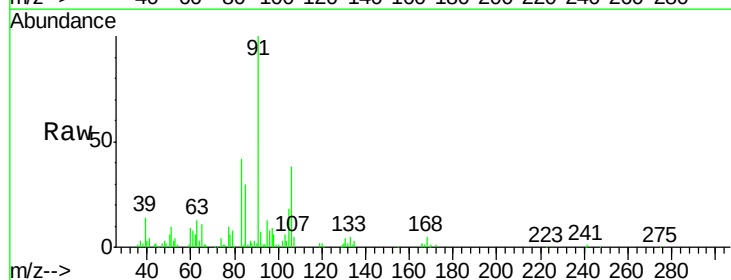
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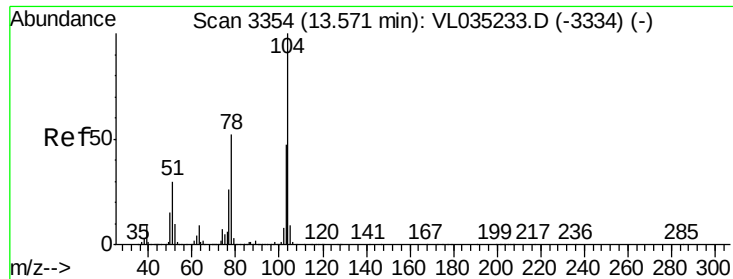
MMDadoda
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#60
o-Xylene
Concen: 0.427 ppbv
RT: 13.73 min Scan# 3404
Delta R.T. -0.00 min
Lab File: VL035236.D
Acq: 29 Jul 2020 4:39

Tgt Ion: 91 Resp: 130101
Ion Ratio Lower Upper
91 100
106 41.7 22.4 67.0





#61

Stvrene

Concen: 0.309 ppbv

RT: 13.56 min Scan# 3352

Delta R.T. -0.01 min

Lab File: VL035236.D

Acq: 29 Jul 2020 4:39

Instrument :

MSVOA_L

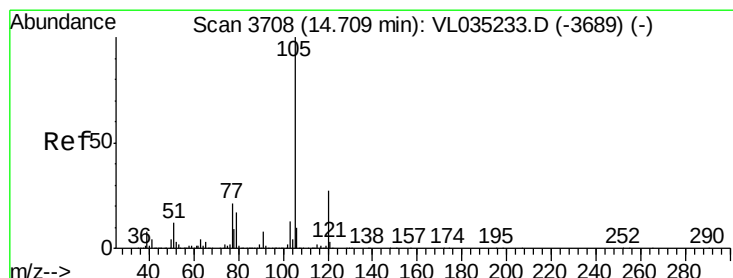
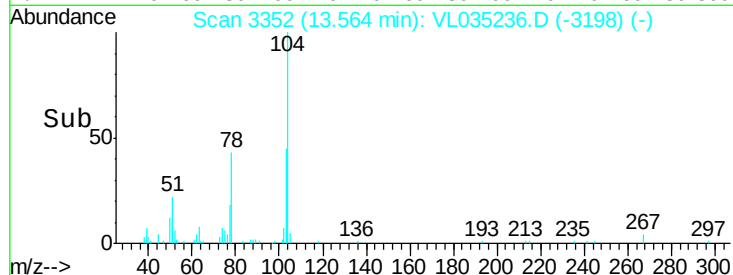
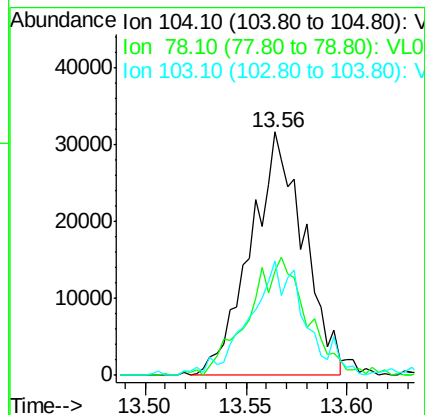
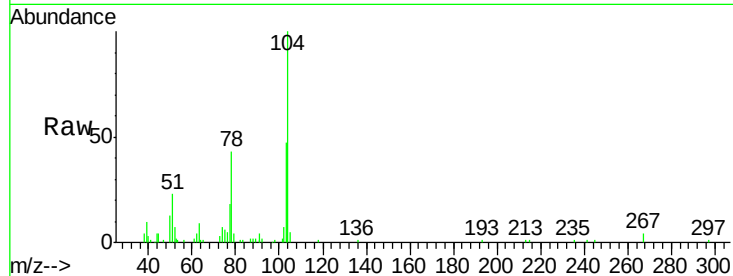
ClientSampleId :

VSTDIC0.5

Tot Ion:	104	Resp:	58137
Ion Ratio	Lower	Upper	
104	100		
78	54.2	43.3	64.9
103	49.3	38.2	57.2

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#62

Isopropylbenzene

Concen: 0.439 ppbv

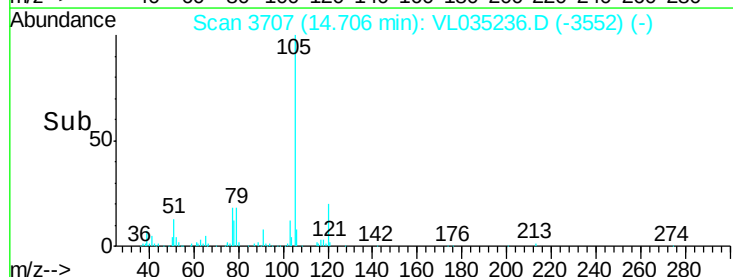
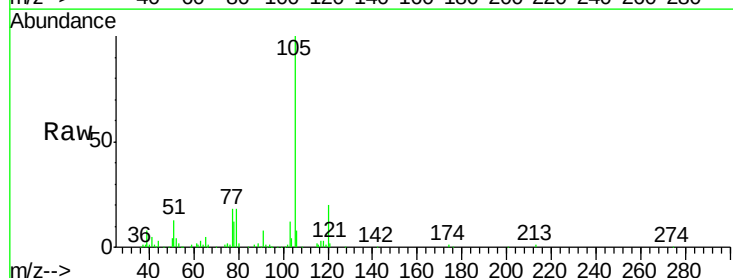
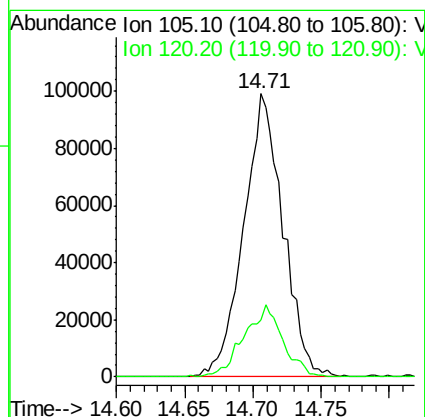
RT: 14.71 min Scan# 3707

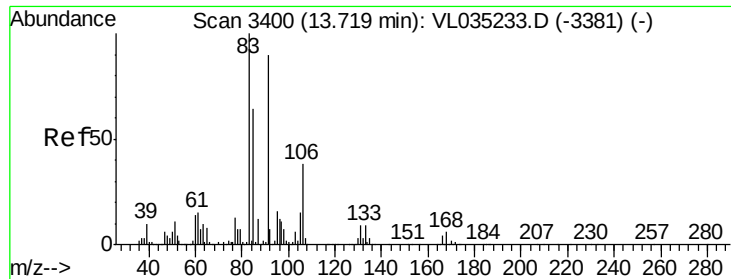
Delta R.T. -0.00 min

Lab File: VL035236.D

Acq: 29 Jul 2020 4:39

Tgt Ion:	105	Resp:	198227
Ion Ratio	Lower	Upper	
105	100		
120	25.2	20.8	31.2





#63

1,1,2,2-Tetrachloroethane

Concen: 0.518 ppbv

RT: 13.72 min Scan# 3399

Delta R.T. -0.00 min

Lab File: VL035236.D

Acq: 29 Jul 2020 4:39

Instrument :

MSVOA_L

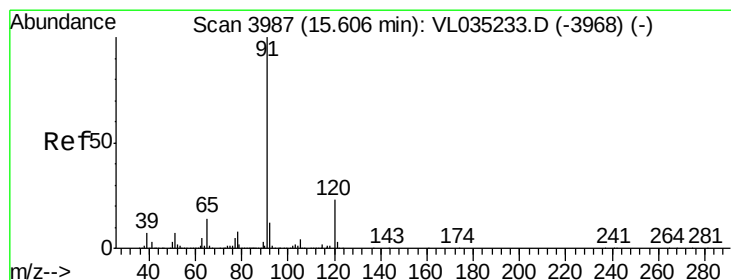
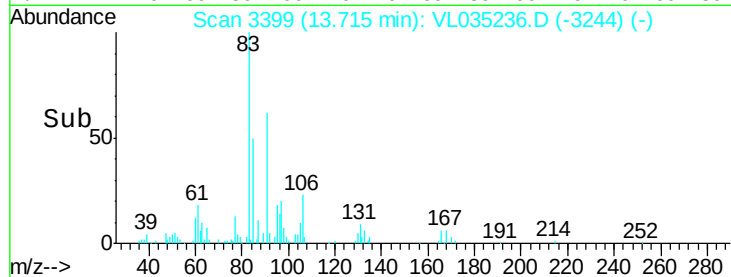
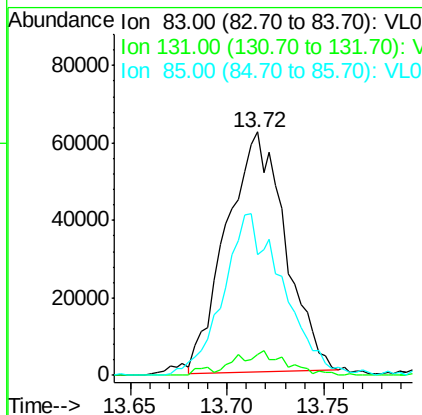
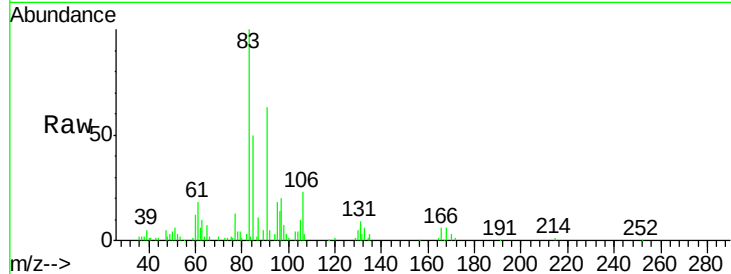
ClientSampleId :

VSTDIC0.5

Tot Ion:	83	Resp:	131915
Ion Ratio	Lower	Upper	
83	100		
131	9.5	4.6	13.8
85	68.8	32.7	98.1

Manual Integrations
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#64

n-propylbenzene

Concen: 0.452 ppbv m

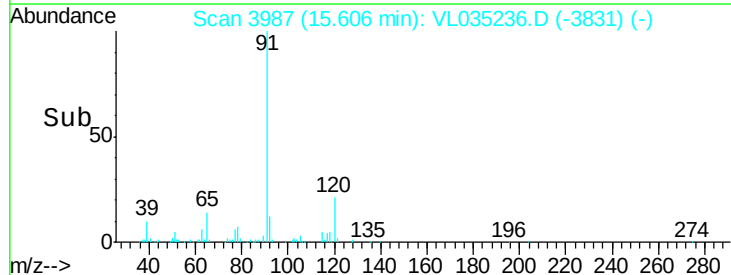
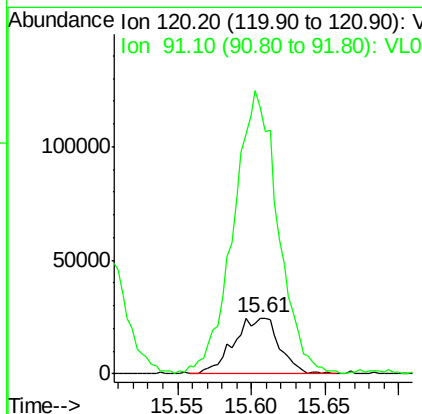
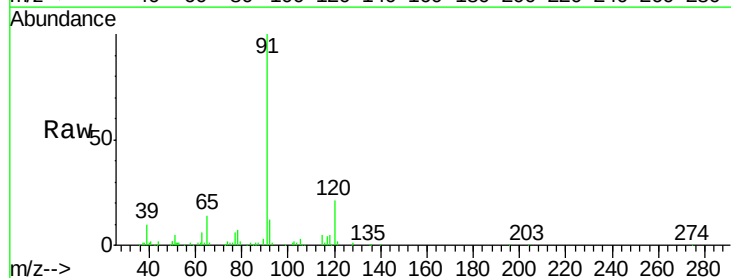
RT: 15.61 min Scan# 3987

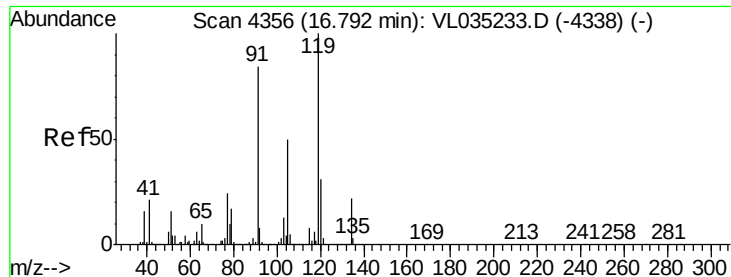
Delta R.T. 0.00 min

Lab File: VL035236.D

Acq: 29 Jul 2020 4:39

Tgt Ion:	120	Resp:	52929
Ion Ratio	Lower	Upper	
120	100		
91	492.0	367.5	551.3





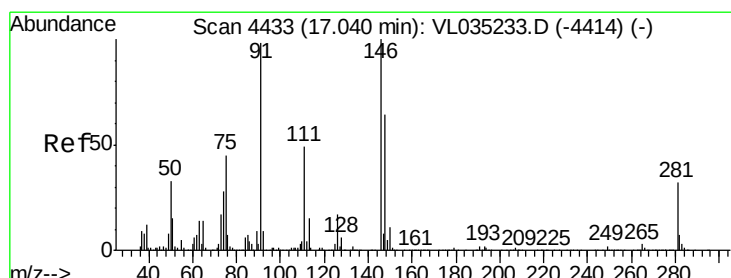
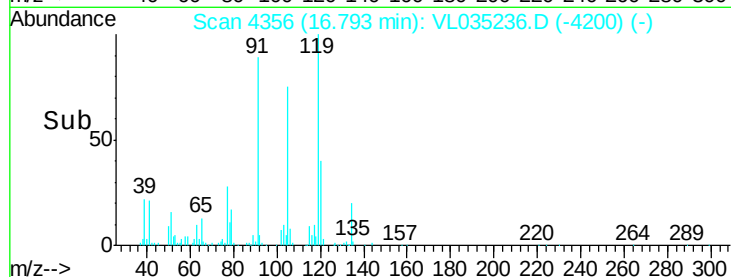
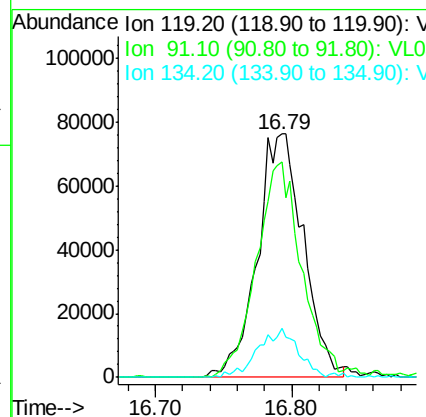
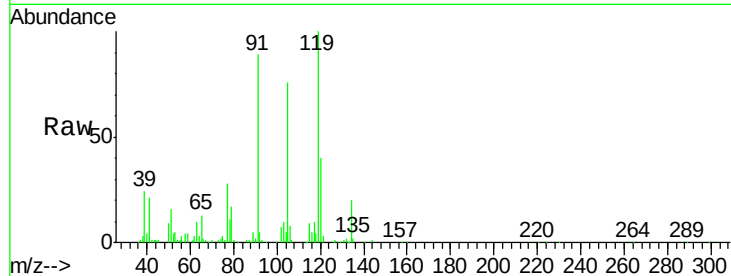
#65
tert-Butylbenzene
Concen: 0.442 ppbv m
RT: 16.79 min Scan# 4356
Delta R.T. 0.00 min
Lab File: VL035236.D
Acq: 29 Jul 2020 4:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Resp	Lower	Upper
119	100	179217		
91	0.0	68.0	102.0#	
134	0.0	16.3	24.5#	

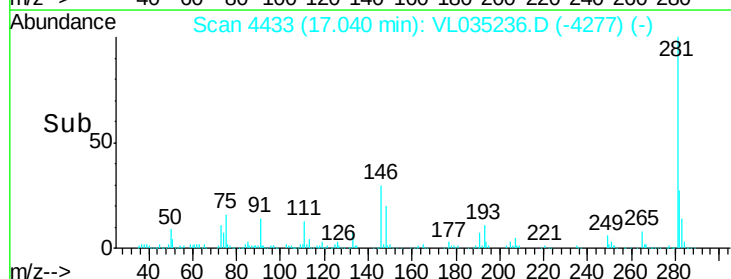
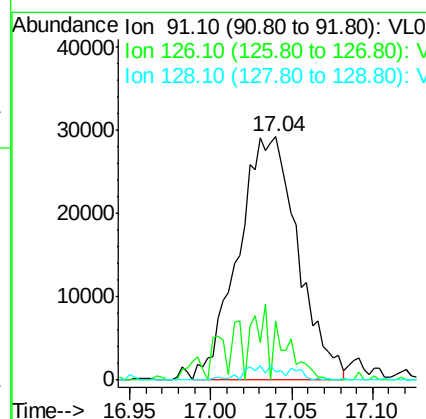
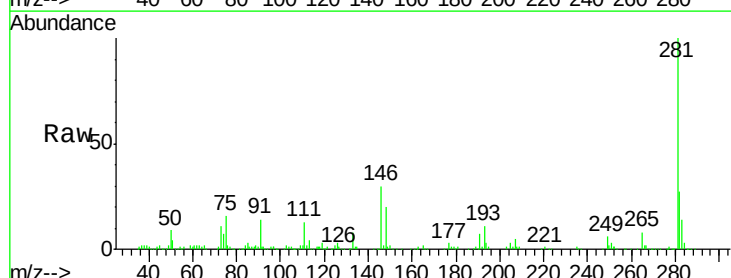
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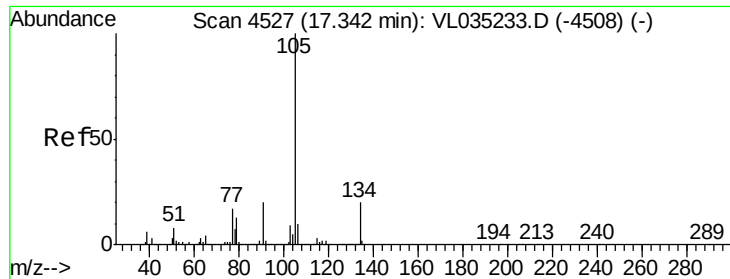
MMDadoda
7/30/2020 6:10:28 PM



#66
Benzyl Chloride
Concen: 0.512 ppbv m
RT: 17.04 min Scan# 4433
Delta R.T. 0.00 min
Lab File: VL035236.D
Acq: 29 Jul 2020 4:39

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	74823		
126	24.3	14.1	21.1#	
128	4.4	4.4	6.6#	





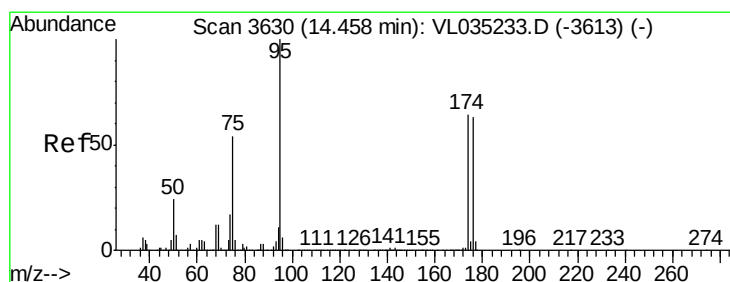
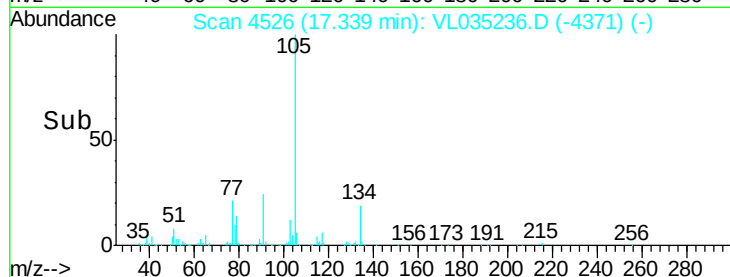
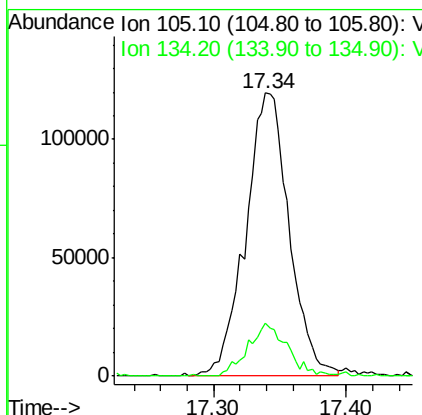
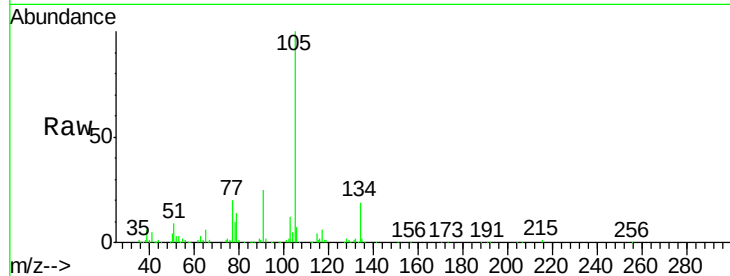
#67
 sec-Butylbenzene
 Concen: 0.460 ppbv
 RT: 17.34 min Scan# 4526
 Delta R.T. -0.00 min
 Lab File: VL035236.D
 Acq: 29 Jul 2020 4:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
105	100		
134	17.5	15.0	22.4

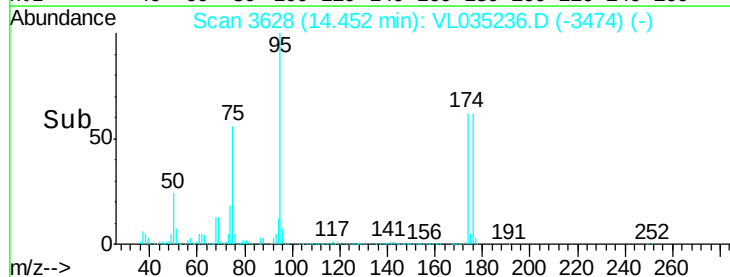
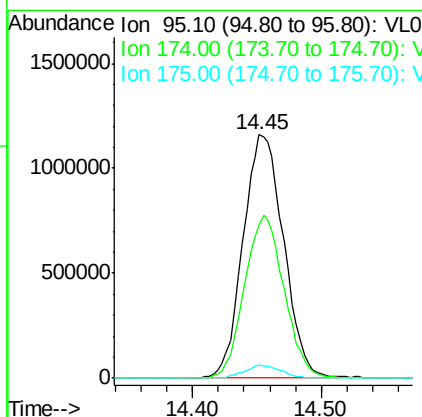
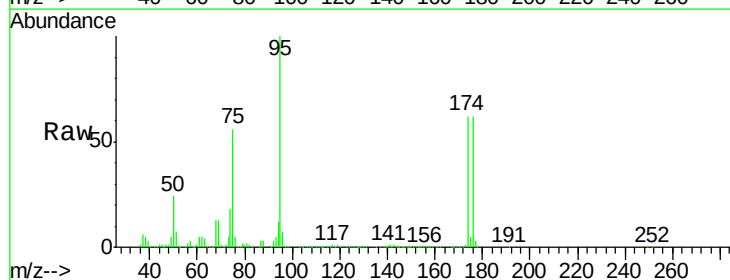
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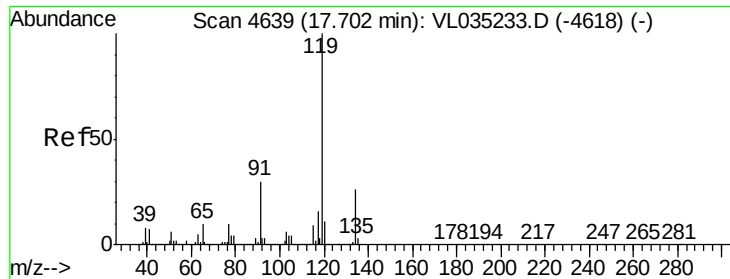
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.194 ppbv
 RT: 14.45 min Scan# 3628
 Delta R.T. -0.01 min
 Lab File: VL035236.D
 Acq: 29 Jul 2020 4:39

Tgt Ion	Ratio	Lower	Upper
95	100		
174	65.3	52.7	79.1
175	4.9	3.9	5.9





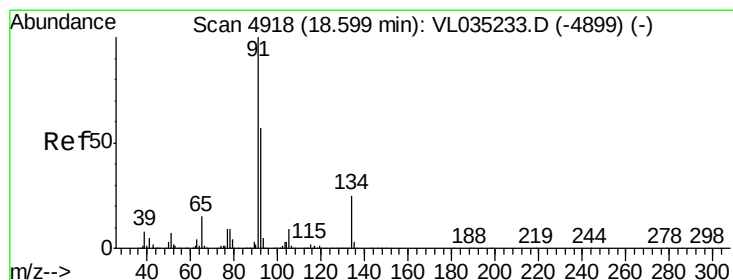
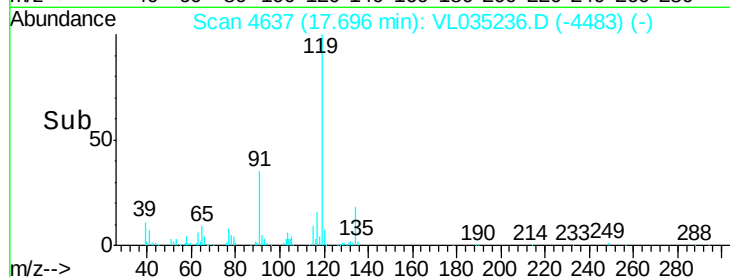
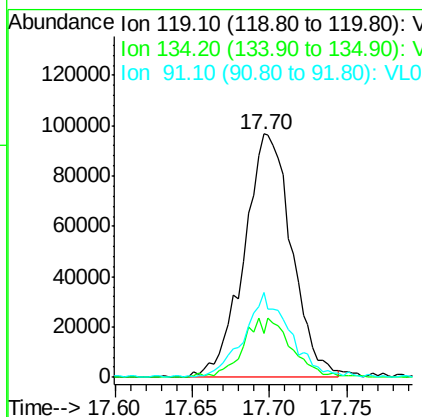
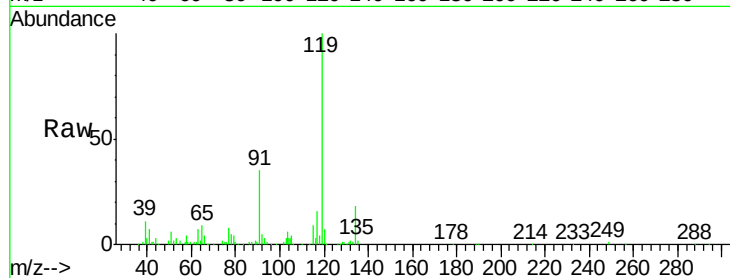
#69
 p-Isopropyltoluene
 Concen: 0.445 ppbv
 RT: 17.70 min Scan# 4637
 Delta R.T. -0.01 min
 Lab File: VL035236.D
 Acq: 29 Jul 2020 4:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion:	119	Resp:	207517
Ion Ratio	Lower	Upper	
119	100		
134	24.6	20.8	31.2
91	34.4	24.7	37.1

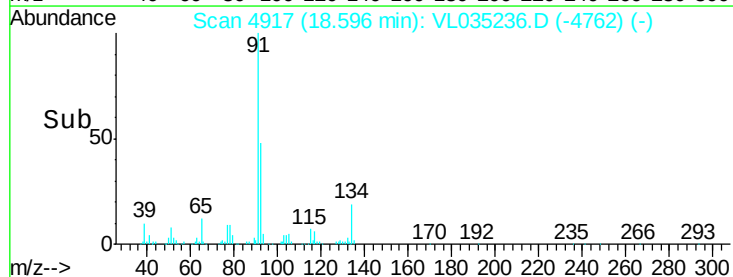
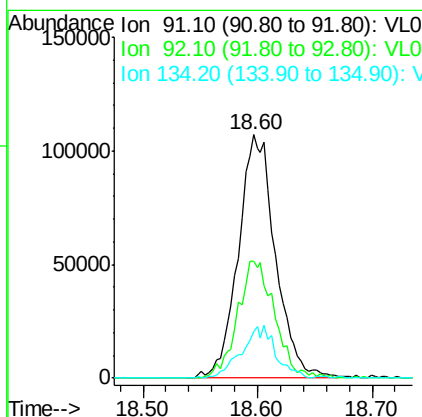
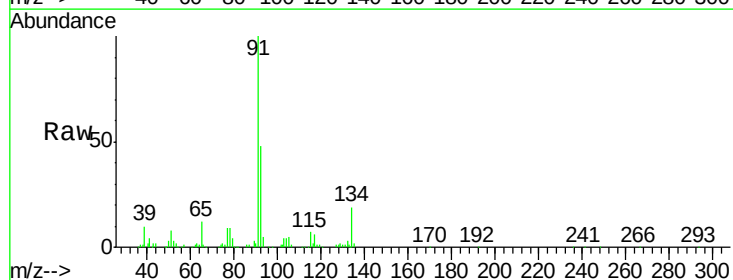
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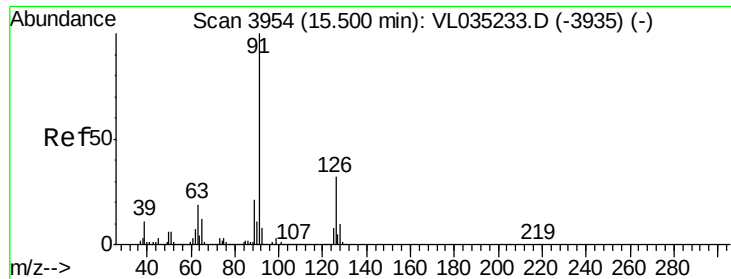
MMDadoda
 7/30/2020 6:10:28 PM



#70
 n-Butylbenzene
 Concen: 0.487 ppbv m
 RT: 18.60 min Scan# 4917
 Delta R.T. -0.00 min
 Lab File: VL035236.D
 Acq: 29 Jul 2020 4:39

Tgt Ion:	91	Resp:	240990
Ion Ratio	Lower	Upper	
91	100		
92	48.1	44.9	67.3
134	0.0	18.6	28.0#





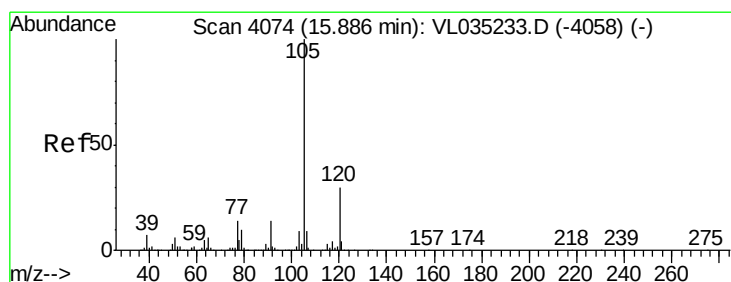
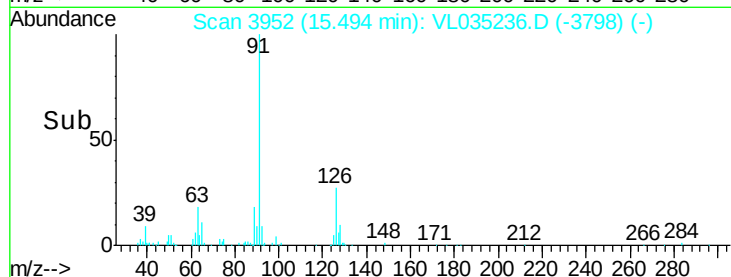
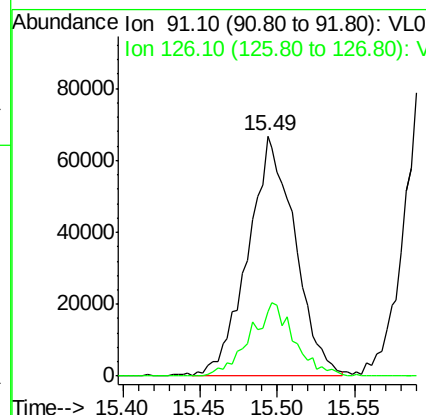
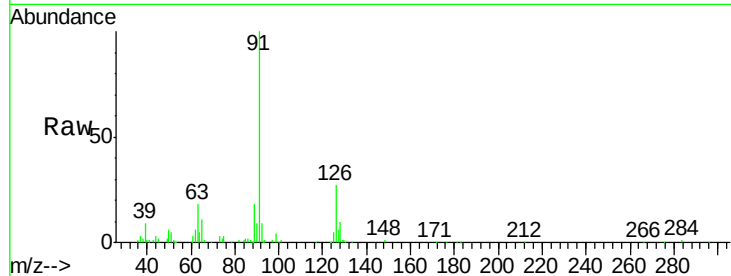
#71
2-Chlorotoluene
Concen: 0.411 ppbv
RT: 15.49 min Scan# 3952
Delta R.T. -0.01 min
Lab File: VL035236.D
Acq: 29 Jul 2020 4:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
91	100		
126	29.0	12.3	49.1

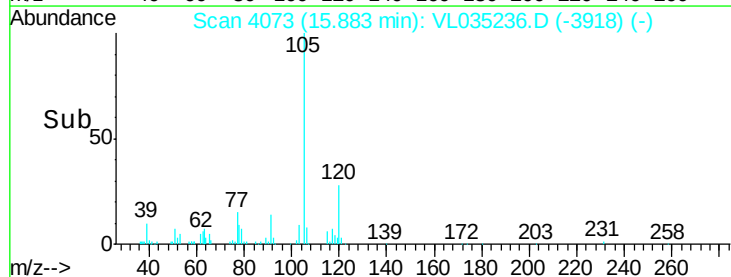
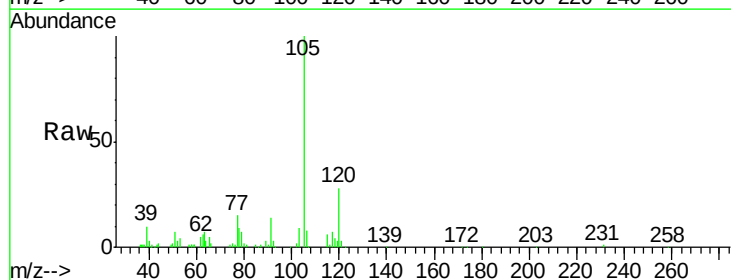
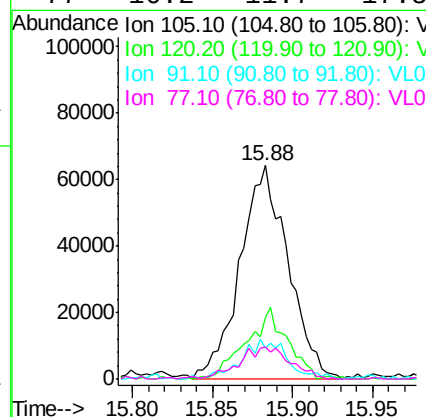
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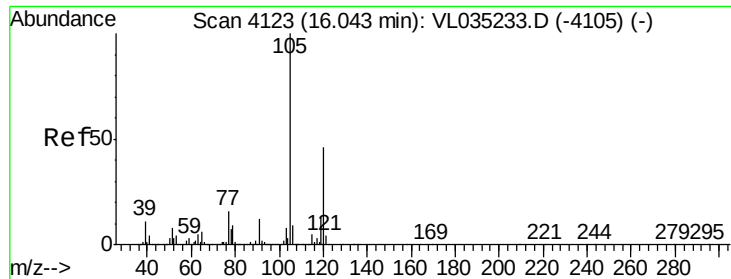
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#72
4-Ethyltoluene
Concen: 0.383 ppbv
RT: 15.88 min Scan# 4073
Delta R.T. -0.00 min
Lab File: VL035236.D
Acq: 29 Jul 2020 4:39

Tgt Ion	Ratio	Lower	Upper
105	100		
120	29.1	23.6	35.4
91	17.4	11.0	16.6#
77	16.2	11.7	17.5





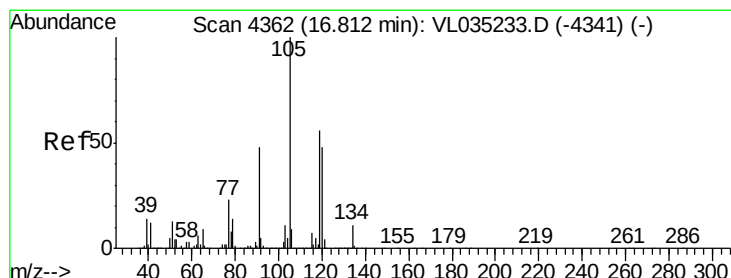
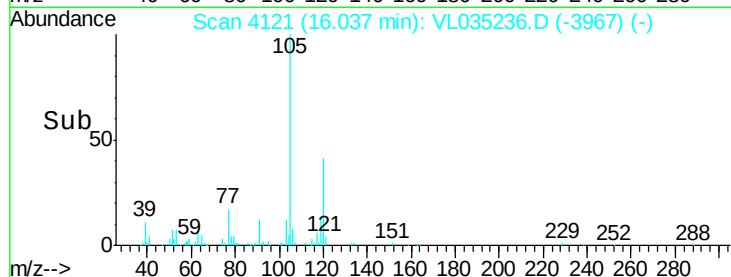
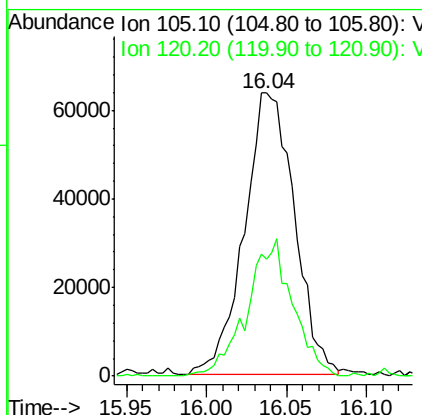
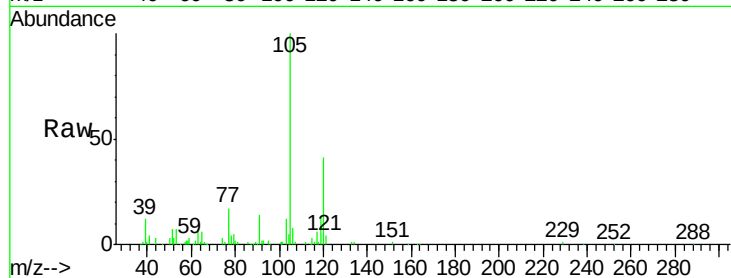
#73
 1,3,5-Trimethylbenzene
 Concen: 0.415 ppbv
 RT: 16.04 min Scan# 4121
 Delta R.T. -0.01 min
 Lab File: VL035236.D
 Acq: 29 Jul 2020 4:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
105	100		
120	41.6	36.8	55.2

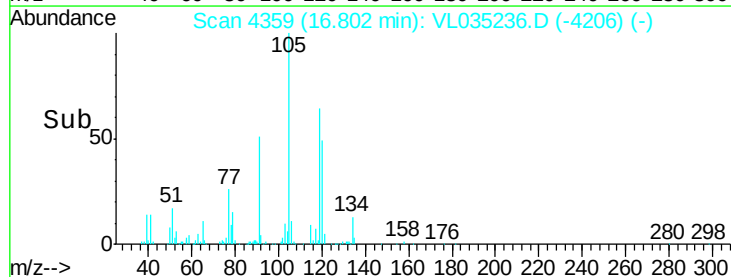
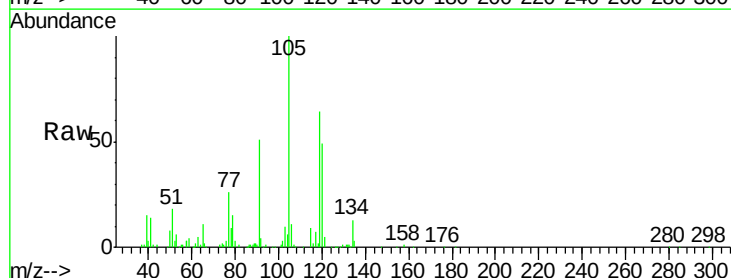
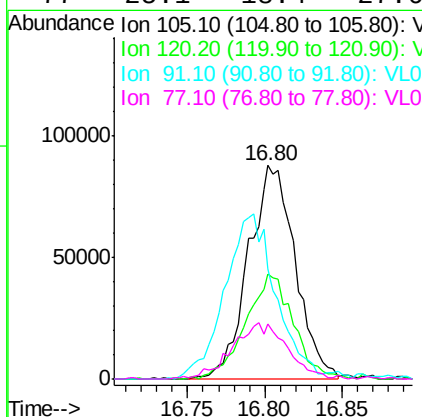
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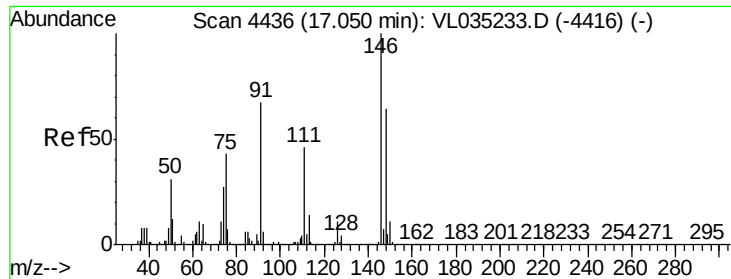
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 7/30/2020 6:10:28 PM



#74
 1,2,4-Trimethylbenzene
 Concen: 0.500 ppbv
 RT: 16.80 min Scan# 4359
 Delta R.T. -0.01 min
 Lab File: VL035236.D
 Acq: 29 Jul 2020 4:39

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.2	38.8	58.2
91	48.0	38.9	58.3
77	25.1	18.4	27.6





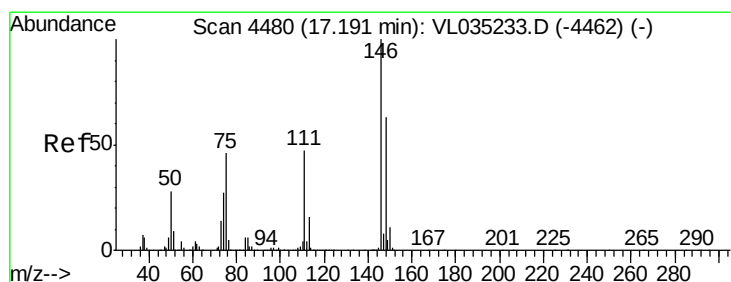
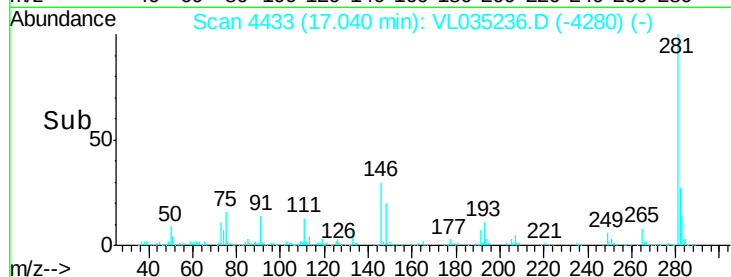
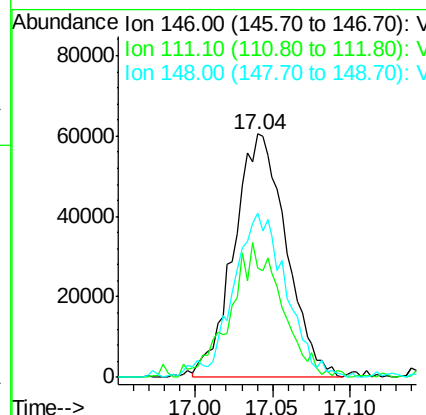
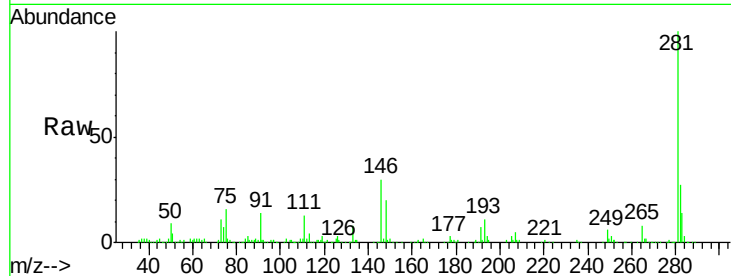
#75
 1,3-Dichlorobenzene
 Concen: 0.608 ppbv
 RT: 17.04 min Scan# 4433
 Delta R.T. -0.01 min
 Lab File: VL035236.D
 Acq: 29 Jul 2020 4:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
146	100		
111	54.6	24.4	73.4
148	69.2	32.1	96.5

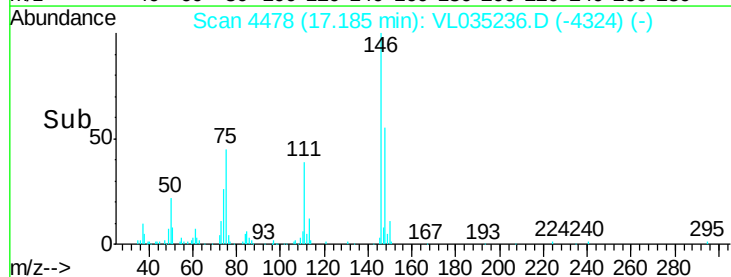
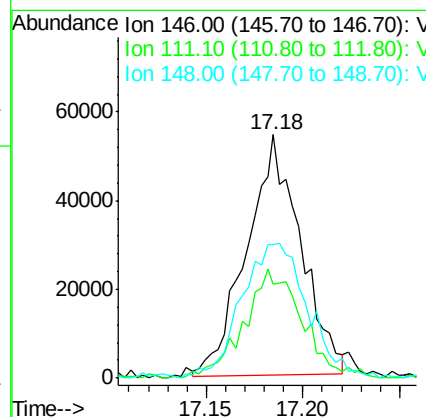
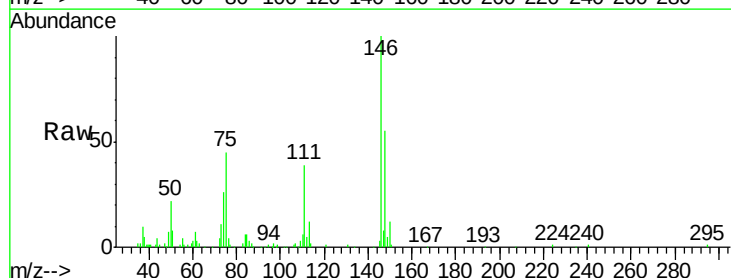
Manual Integrations
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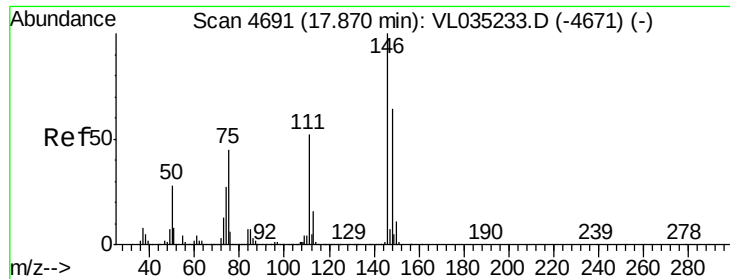
MMDadoda
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#76
 1,4-Dichlorobenzene
 Concen: 0.485 ppbv
 RT: 17.18 min Scan# 4478
 Delta R.T. -0.01 min
 Lab File: VL035236.D
 Acq: 29 Jul 2020 4:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	49.4	23.4	70.2
148	70.2	32.2	96.6





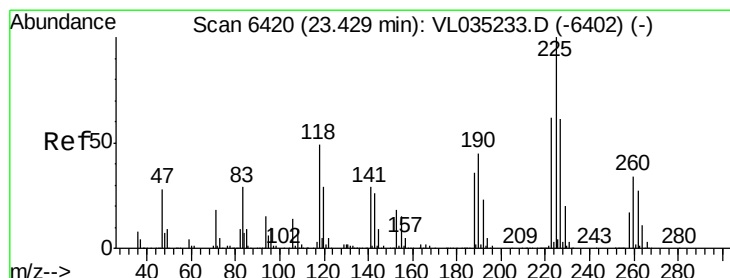
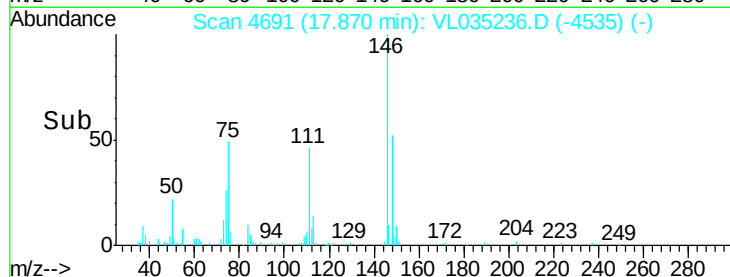
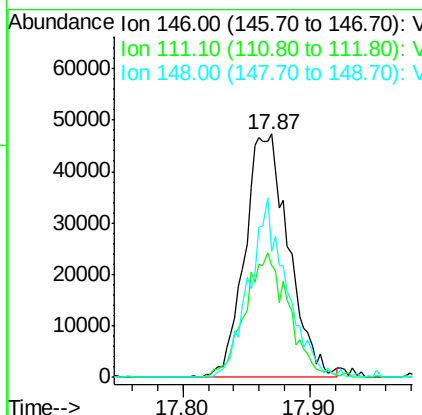
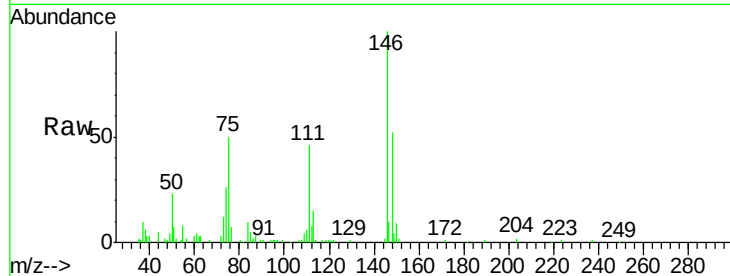
#77
 1,2-Dichlorobenzene
 Concen: 0.538 ppbv m
 RT: 17.87 min Scan# 4691
 Delta R.T. 0.00 min
 Lab File: VL035236.D
 Acq: 29 Jul 2020 4:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
146	100		
111	0.0	24.6	73.8#
148	0.0	32.0	96.0#

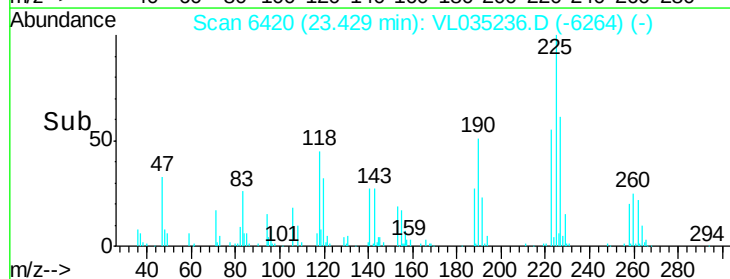
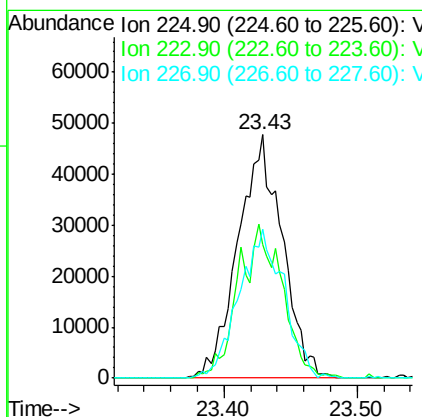
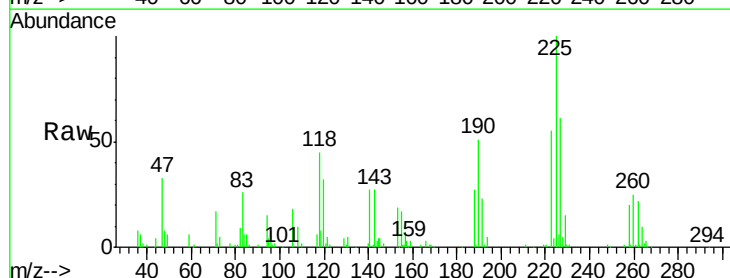
Manual Integrations
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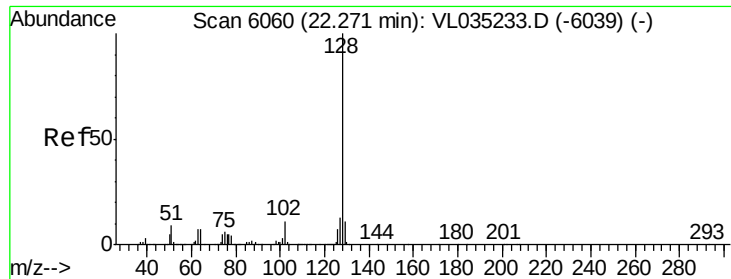
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#78
 Hexachloro-1,3-Butadiene
 Concen: 0.661 ppbv m
 RT: 23.43 min Scan# 6420
 Delta R.T. 0.00 min
 Lab File: VL035236.D
 Acq: 29 Jul 2020 4:39

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	51.3	76.9
227	61.9	51.4	77.2





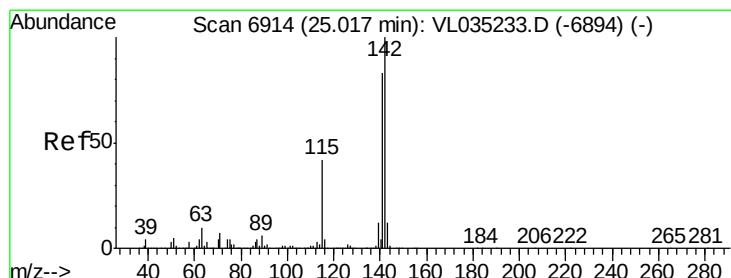
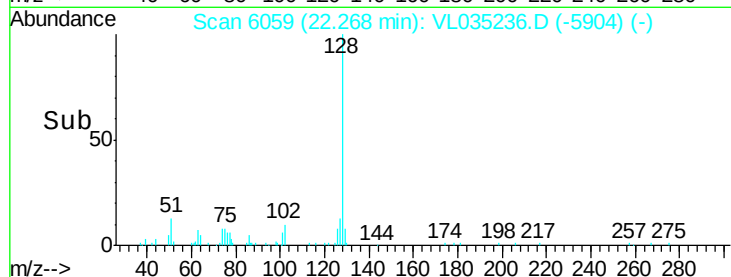
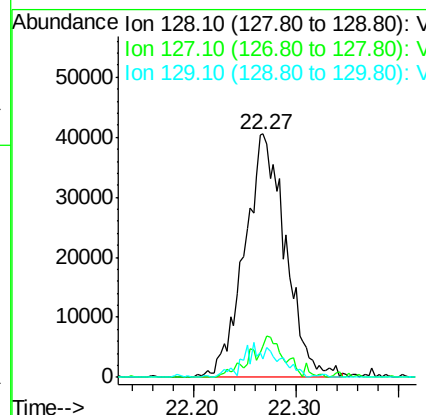
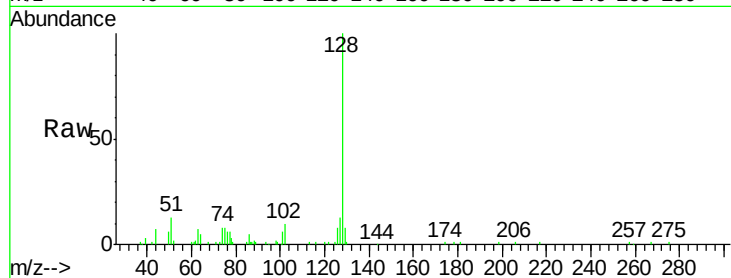
#79
Naphthalene
Concen: 0.459 ppbv m
RT: 22.27 min Scan# 6059
Delta R.T. -0.00 min
Lab File: VL035236.D
Acq: 29 Jul 2020 4:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	7.7	8.5	12.7#

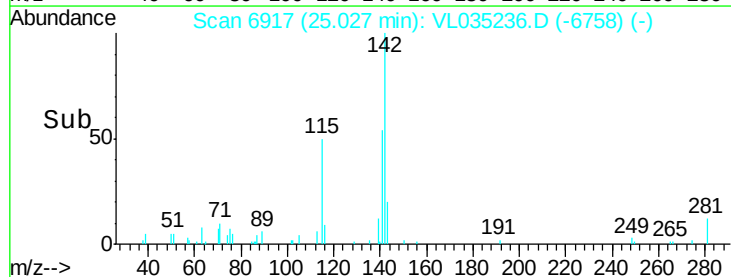
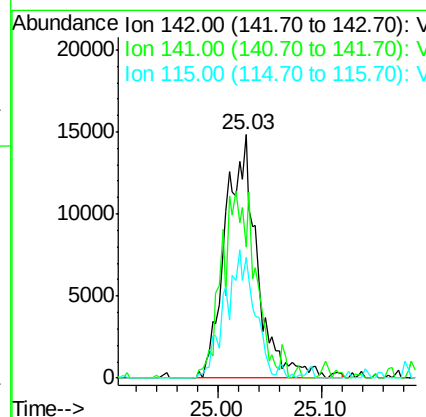
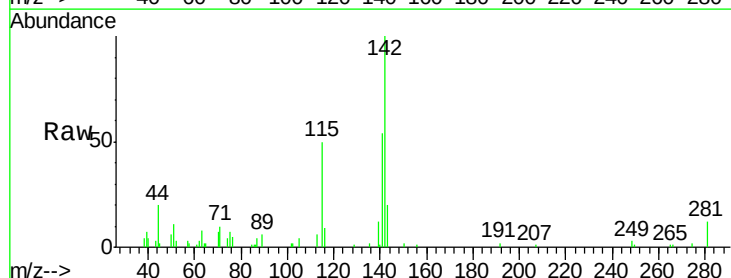
Manual Integrations
APPROVED

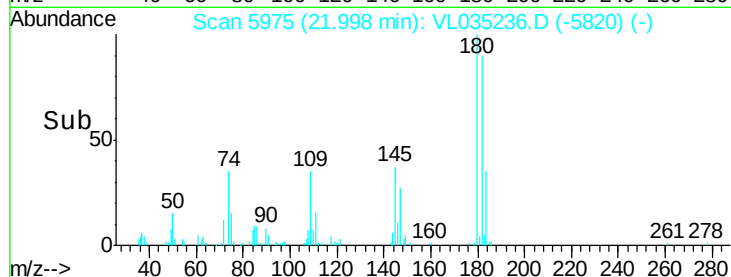
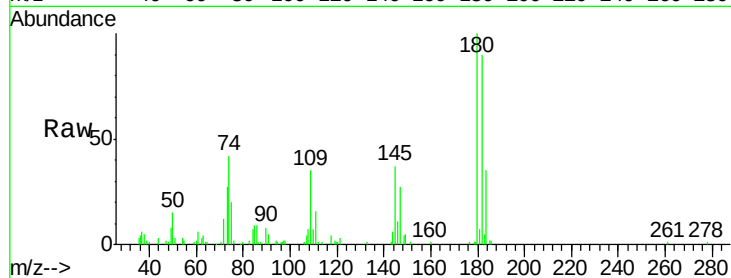
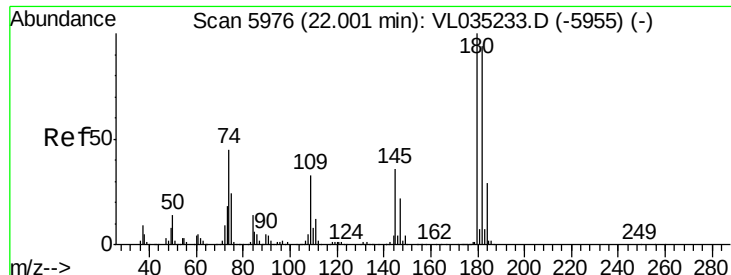
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#80
Naphthalene, 2-methyl-
Concen: 0.550 ppbv
RT: 25.03 min Scan# 6917
Delta R.T. 0.01 min
Lab File: VL035236.D
Acq: 29 Jul 2020 4:39

Tgt Ion	Ratio	Lower	Upper
142	100		
141	81.2	68.6	103.0
115	49.3	34.5	51.7





#81
 1,2,4-Trichlorobenzene
 Concen: 0.542 ppbv m
 RT: 22.00 min Scan# 5975
 Delta R.T. -0.00 min
 Lab File: VL035236.D
 Acq: 29 Jul 2020 4:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.3	76.7	115.1
184	32.7	24.7	37.1

Manual Integrations
 APPROVED

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