

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081220\
 Data File : VL035384.D
 Acq On : 12 Aug 2020 13:57
 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
 8/17/2020 5:43:51 PM

Quant Time: Aug 12 15:37:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081220AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 12 15:37:50 2020
 QLast Update : Wed Aug 12 15:19:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1422272	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3295437	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	3135801	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.44	95	2578936	9.86	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	113072	0.598	ppbv	98
3) Chlorodifluoromethane	2.98	51	86042	0.530	ppbv	96
4) Chloromethane	3.13	50	48296	0.525	ppbv	89
5) Vinyl Chloride	3.25	62	46618	0.493	ppbv	99
6) Bromomethane	3.47	94	28237m	0.487	ppbv	
7) Chloroethane	3.56	64	16961	0.483	ppbv	94
8) Dichlorotetrafluoroethane	3.18	85	108752	0.486	ppbv	98
9) Propene	3.00	41	47783	0.826	ppbv	100
10) Heptane	8.14	43	123037m	0.833	ppbv	
11) Trichlorofluoromethane	3.95	101	112897	0.461	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.48	101	75021	0.428	ppbv	97
13) Ethanol	3.61	45	16795m	0.842	ppbv	
14) Bromoethene	3.74	108	32986	0.470	ppbv	97
15) Acetone	3.86	43	104247	0.516	ppbv	99
16) 1,3-Butadiene	3.32	39	52738m	0.678	ppbv	
17) tert-Butyl alcohol	4.31	59	113741	0.614	ppbv	100
18) 1,1-Dichloroethene	4.29	96	33888	0.450	ppbv	97
19) Isopropyl Alcohol	3.98	45	78463	0.613	ppbv	90
20) Methylene Chloride	4.35	84	39448	0.479	ppbv	96
21) Allyl Chloride	4.41	41	58788	0.508	ppbv	93
22) trans-1,2-Dichloroethene	4.89	96	33769	0.463	ppbv	94
23) Vinyl Acetate	5.08	43	153494	0.793	ppbv	97
24) 1,1-Dichloroethane	5.01	63	102190	0.561	ppbv	98
25) Ethyl Acetate	5.69	43	207738	0.677	ppbv	99
26) Hexane	5.69	57	89094	0.669	ppbv	98
27) Carbon Disulfide	4.56	76	88366	0.475	ppbv #	85
28) Methyl tert-Butyl Ether	5.05	73	155663m	0.804	ppbv	
29) Chloroform	5.75	83	124913	0.544	ppbv	86
30) Cyclohexane	7.13	84	75908m	0.752	ppbv	
31) cis-1,2-Dichloroethene	5.55	61	83985	0.710	ppbv	90
32) 1,1,1-Trichloroethane	6.51	97	124564m	0.516	ppbv	
34) 2-Butanone	5.26	43	127260	0.784	ppbv	99
35) Carbon Tetrachloride	7.02	117	117141	0.517	ppbv	95
36) Benzene	6.90	78	179501	0.807	ppbv	94
37) 1,2-Dichloroethane	6.31	62	96287	0.619	ppbv	97
38) Trichloroethene	7.84	130	62653	0.610	ppbv	98
39) 1,2-Dichloropropane	7.62	63	70045	0.778	ppbv	92
40) 1,4-Dioxane	7.88	88	30919m	0.801	ppbv	
41) Tetrahydrofuran	6.08	42	73030	0.917	ppbv	98
42) Bromodichloromethane	7.80	83	134874m	0.646	ppbv	
43) Methyl Methacrylate	8.03	69	75508	0.807	ppbv	98

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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 12 2020
 QLast Update : Wed Aug 12 15:19:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	306560	0.775	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	84223m	0.867	ppbv	
46) cis-1,3-Dichloropropene	8.71	75	101575m	0.866	ppbv	
47) 1,1,2-Trichloroethane	9.49	97	70242	0.648	ppbv	92
48) Dibromochloromethane	10.32	129	105743m	0.596	ppbv	
49) Bromoform	13.06	173	80531m	0.498	ppbv	
50) 4-Methyl-2-Pentanone	8.77	43	203008m	0.819	ppbv	
51) 2-Hexanone	10.17	43	157065	0.809	ppbv #	96
52) Tetrachloroethene	11.24	164	57601m	0.653	ppbv	
53) Toluene	9.82	91	214638	0.887	ppbv	97
54) 1,2-Dibromoethane	10.63	107	111773	0.719	ppbv	93
56) 1,1,1,2-Tetrachloroethane	12.14	131	86553m	0.585	ppbv	
57) Chlorobenzene	12.17	112	154667	0.655	ppbv #	94
58) Ethyl Benzene	12.73	91	286095	0.877	ppbv	100
59) m/p-Xylene	12.99	91	484721m	1.595	ppbv	
60) o-Xylene	13.71	91	240103	0.796	ppbv	97
61) Styrene	13.55	104	164195	0.892	ppbv	99
62) Isopropylbenzene	14.69	105	358291	0.789	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.70	83	162200	0.631	ppbv	99
64) n-propylbenzene	15.59	120	92012	0.754	ppbv	85
65) tert-Butylbenzene	16.77	119	317914	0.765	ppbv	99
66) Benzyl Chloride	17.01	91	114969	0.699	ppbv	95
67) sec-Butylbenzene	17.32	105	452245	0.769	ppbv	97
69) p-Isopropyltoluene	17.68	119	372595	0.777	ppbv	98
70) n-Butylbenzene	18.58	91	424031	0.827	ppbv	95
71) 2-Chlorotoluene	15.48	91	283226	0.852	ppbv	95
72) 4-Ethyltoluene	15.87	105	290042m	0.844	ppbv	
73) 1,3,5-Trimethylbenzene	16.02	105	266412	0.808	ppbv	93
74) 1,2,4-Trimethylbenzene	16.78	105	290230	0.770	ppbv	97
75) 1,3-Dichlorobenzene	17.02	146	154379	0.626	ppbv	98
76) 1,4-Dichlorobenzene	17.17	146	154937	0.678	ppbv	99
77) 1,2-Dichlorobenzene	17.85	146	160485m	0.705	ppbv	
78) Hexachloro-1,3-Butadiene	23.40	225	130386	0.673	ppbv	97
79) Naphthalene	22.23	128	348126m	1.201	ppbv	
80) Naphthalene, 2-methyl-	25.00	142	148563	2.252	ppbv	98
81) 1,2,4-Trichlorobenzene	21.96	180	167677m	0.918	ppbv	

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

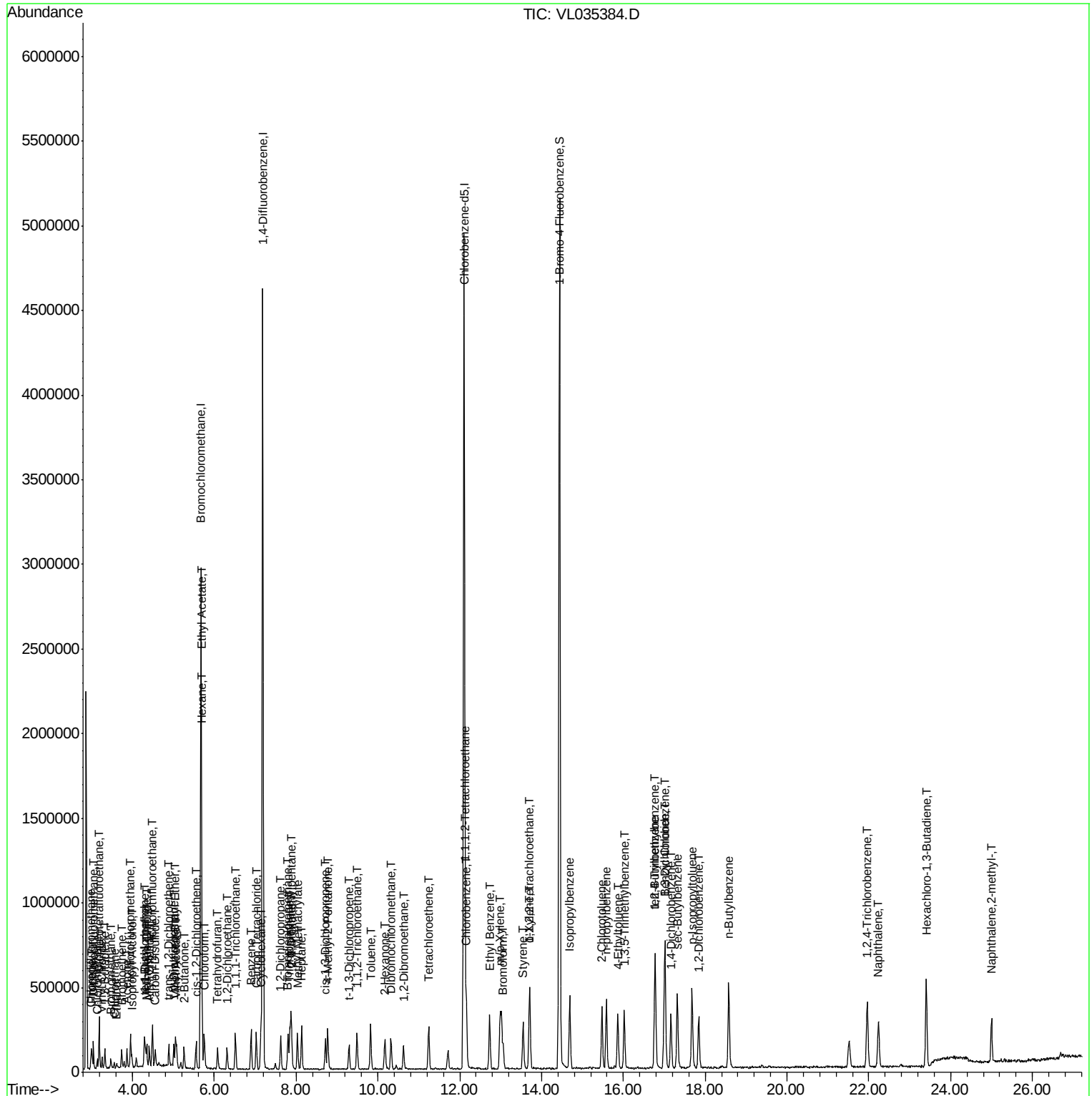
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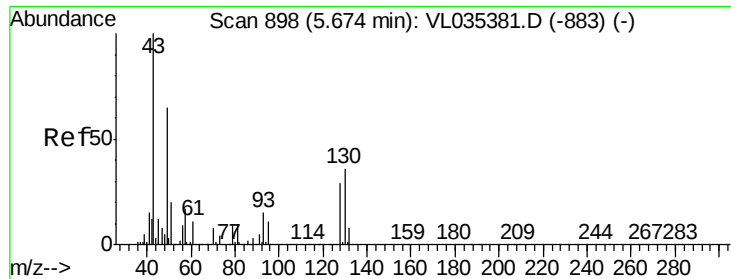
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

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#1

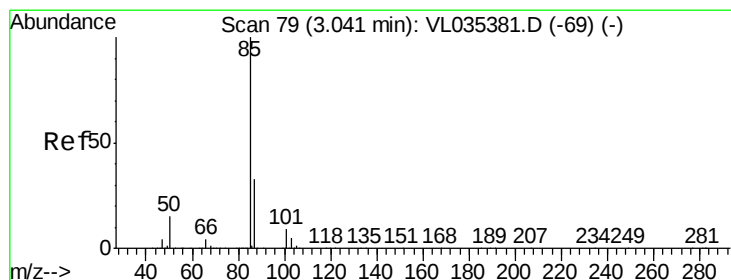
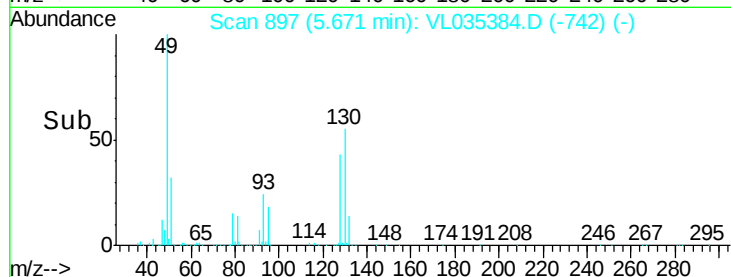
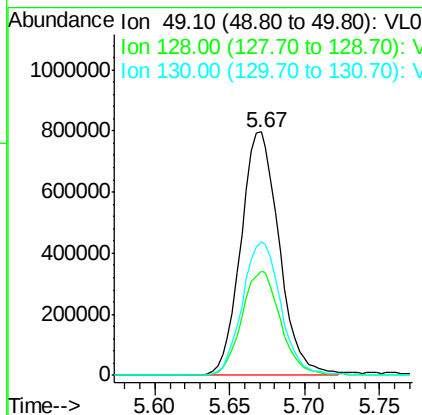
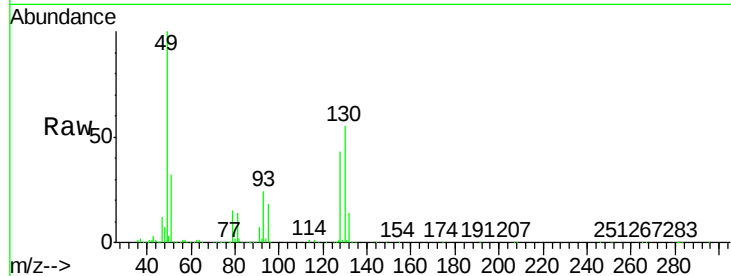
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.67 min Scan# 897
 Delta R.T. -0.00 min
 Lab File: VL035384.D
 Acq: 12 Aug 2020 13:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
49	100		
128	43.2	21.8	65.3
130	55.5	27.9	83.6

Manual Integrations
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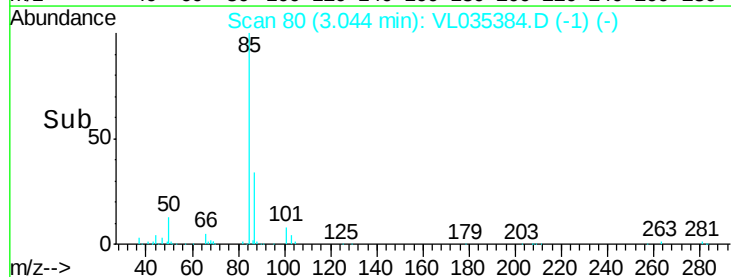
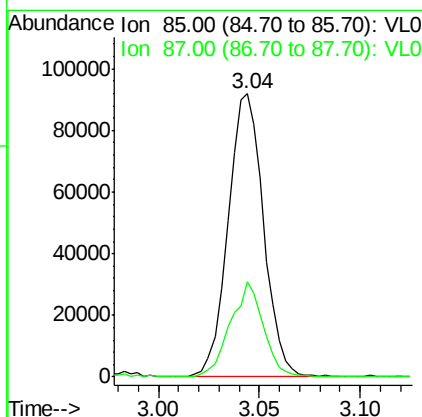
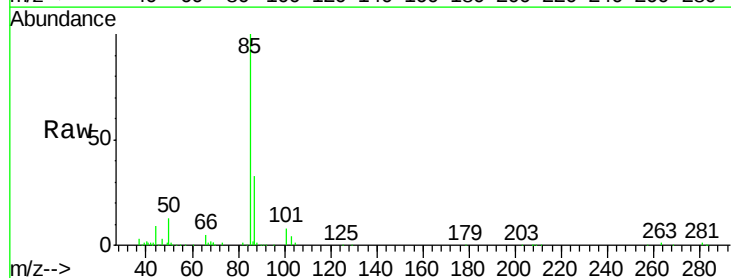
MMDadoda
 8/17/2020 5:43:51 PM

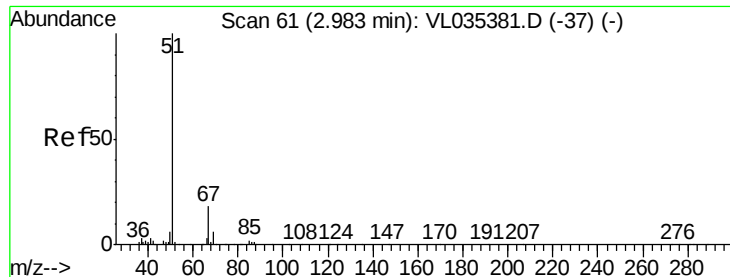


#2

Dichlorodifluoromethane
 Concen: 0.598 ppbv
 RT: 3.04 min Scan# 80
 Delta R.T. 0.00 min
 Lab File: VL035384.D
 Acq: 12 Aug 2020 13:57

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.5	26.1	39.1





#3

Chlorodifluoromethane

Concen: 0.530 ppbv

RT: 2.98 min Scan# 61

Delta R.T. 0.00 min

Lab File: VL035384.D

Acq: 12 Aug 2020 13:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 51 Resp: 86042

Ion Ratio Lower Upper

51 100

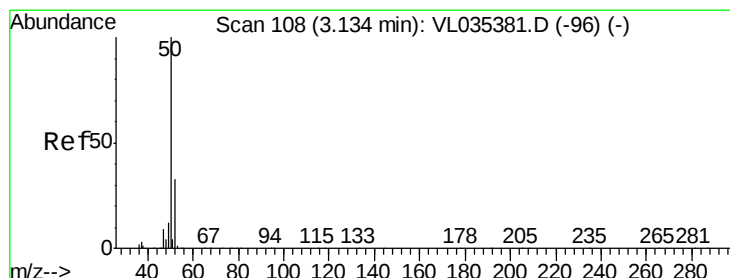
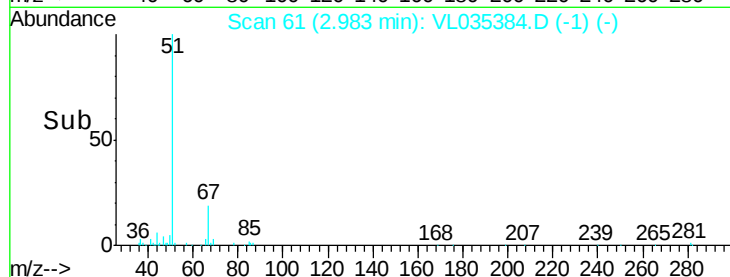
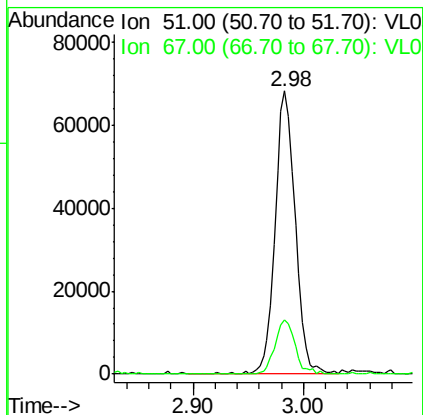
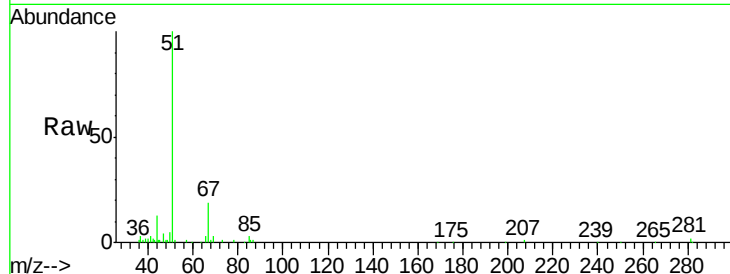
67 19.4 14.1 21.1

Manual Integrations

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#4

Chloromethane

Concen: 0.525 ppbv

RT: 3.13 min Scan# 108

Delta R.T. 0.00 min

Lab File: VL035384.D

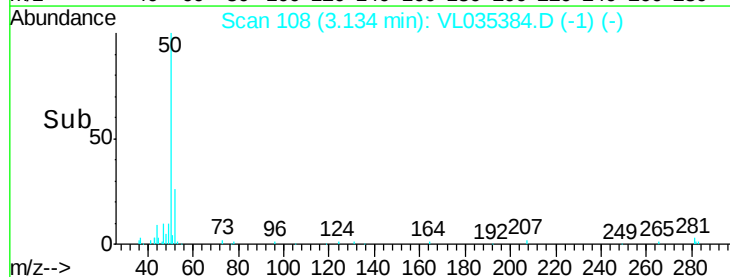
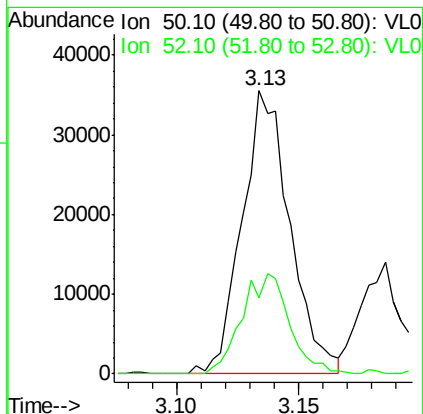
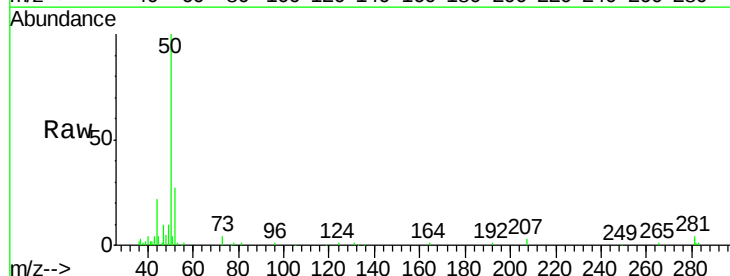
Acq: 12 Aug 2020 13:57

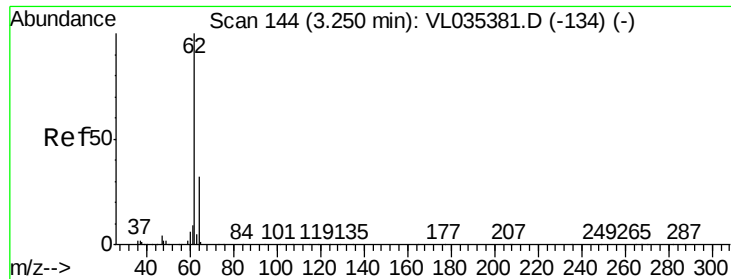
Tgt Ion: 50 Resp: 48296

Ion Ratio Lower Upper

50 100

52 27.0 26.6 39.8





#5

Vinyl Chloride

Concen: 0.493 ppbv

RT: 3.25 min Scan# 145

Delta R.T. 0.00 min

Lab File: VL035384.D

Acq: 12 Aug 2020 13:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 62 Resp: 46618

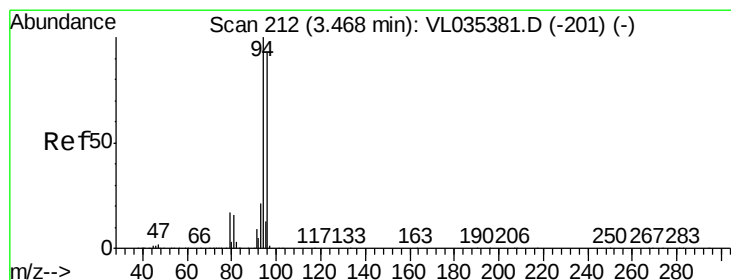
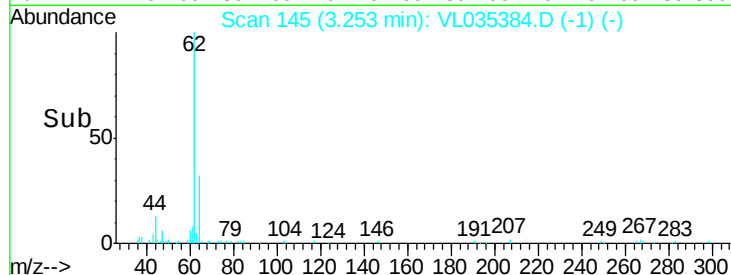
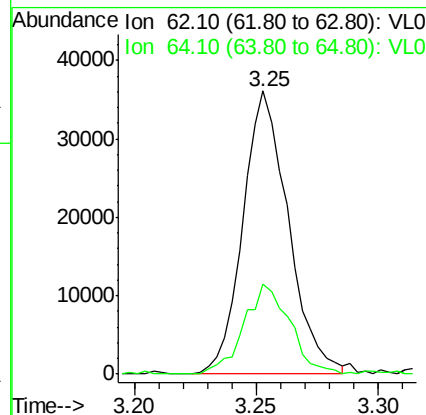
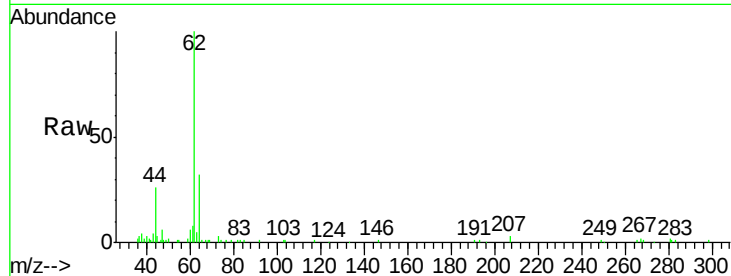
Ion Ratio Lower Upper

62 100

64 31.7 25.7 38.5

Manual Integrations
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#6

Bromomethane

Concen: 0.487 ppbv m

RT: 3.47 min Scan# 212

Delta R.T. 0.00 min

Lab File: VL035384.D

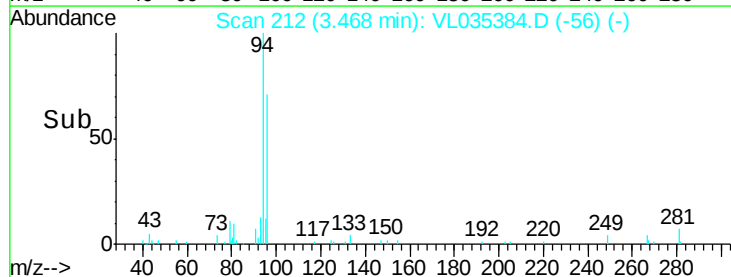
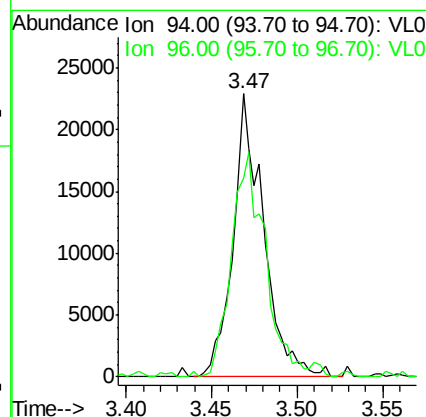
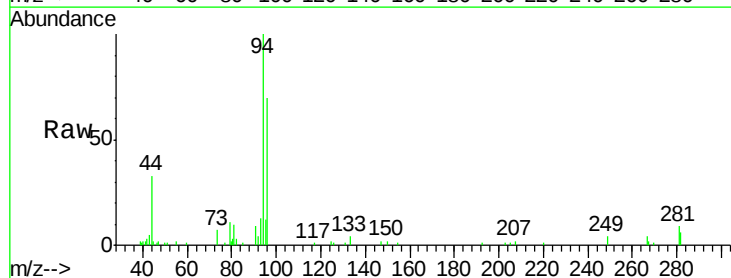
Acq: 12 Aug 2020 13:57

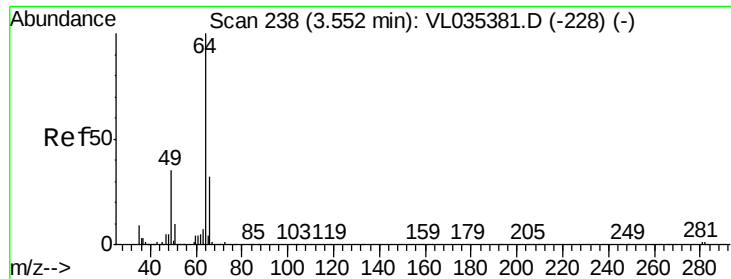
Tgt Ion: 94 Resp: 28237

Ion Ratio Lower Upper

94 100

96 70.1 74.4 111.6#





#7

Chloroethane

Concen: 0.483 ppbv

RT: 3.56 min Scan# 239

Delta R.T. 0.00 min

Lab File: VL035384.D

Acq: 12 Aug 2020 13:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 64 Resp: 16961

Ion Ratio Lower Upper

64 100

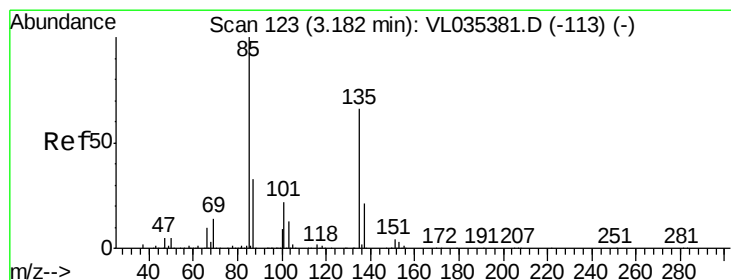
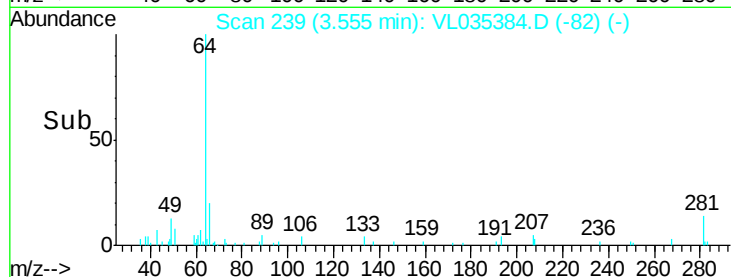
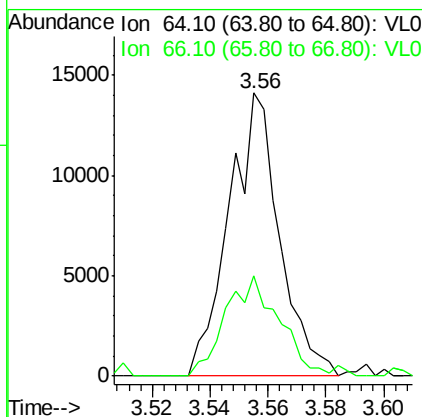
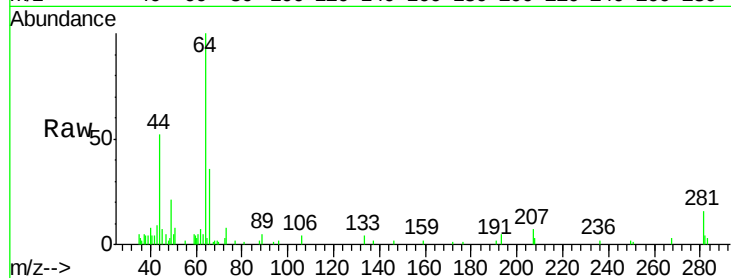
66 35.5 25.7 38.5

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 0.486 ppbv

RT: 3.18 min Scan# 123

Delta R.T. 0.00 min

Lab File: VL035384.D

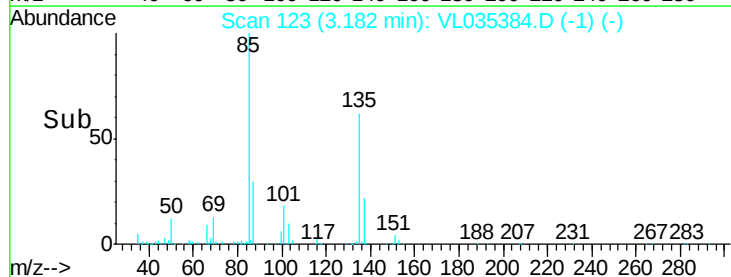
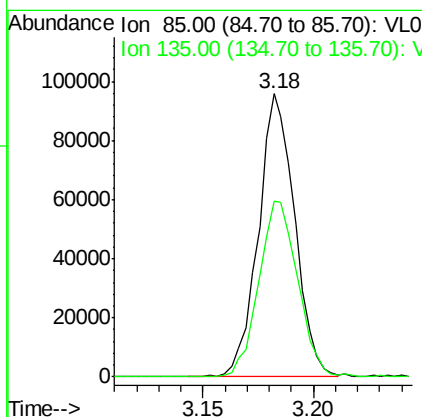
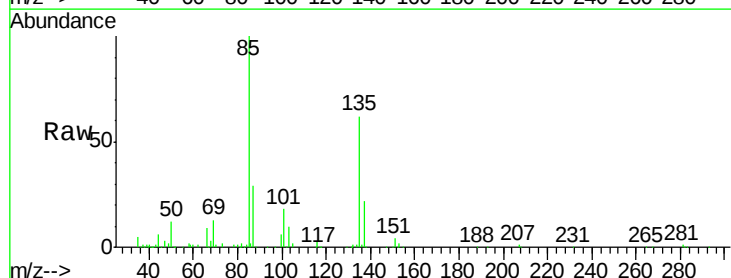
Acq: 12 Aug 2020 13:57

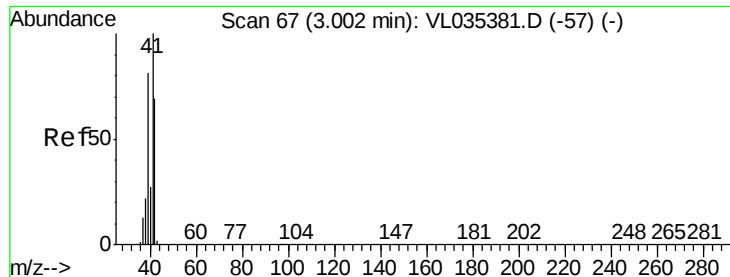
Tgt Ion: 85 Resp: 108752

Ion Ratio Lower Upper

85 100

135 67.0 52.5 78.7





#9

Propene

Concen: 0.826 ppbv

RT: 3.00 min Scan# 67

Delta R.T. 0.00 min

Lab File: VL035384.D

Acq: 12 Aug 2020 13:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 41 Resp: 47783

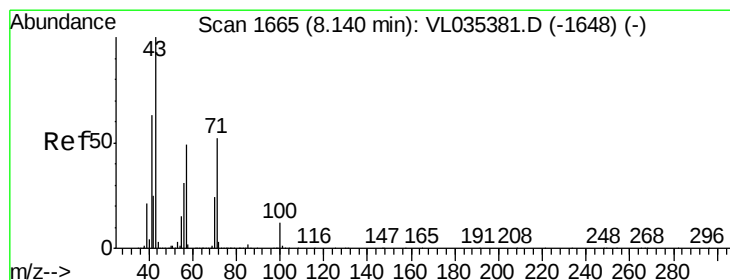
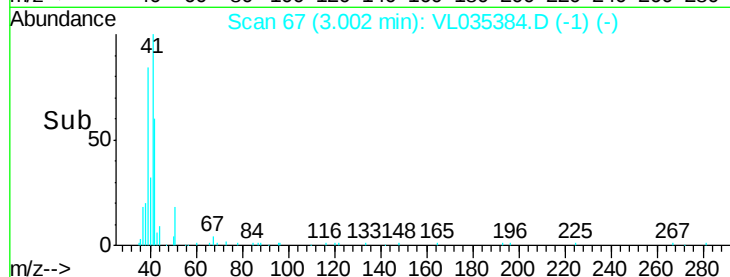
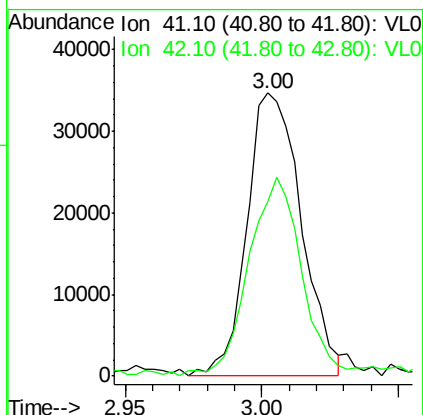
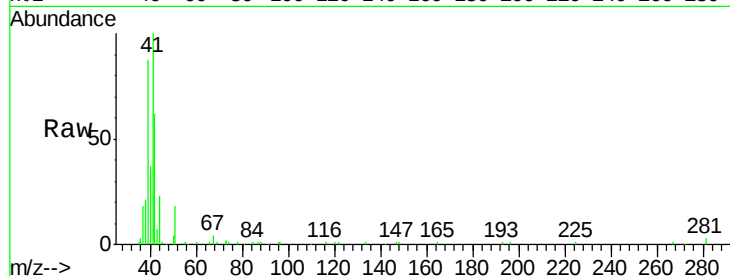
Ion Ratio Lower Upper

41 100

42 69.2 55.4 83.2

Manual Integrations
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#10

Heptane

Concen: 0.833 ppbv m

RT: 8.14 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VL035384.D

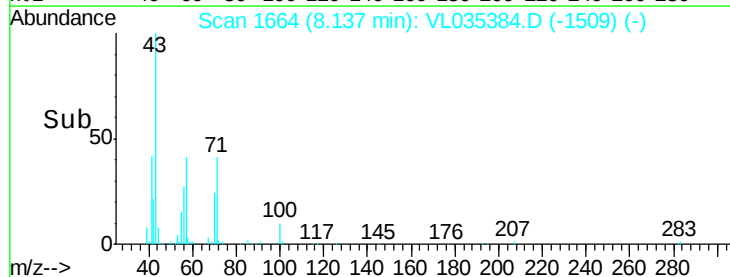
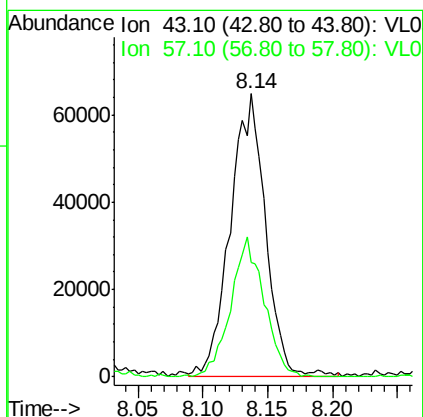
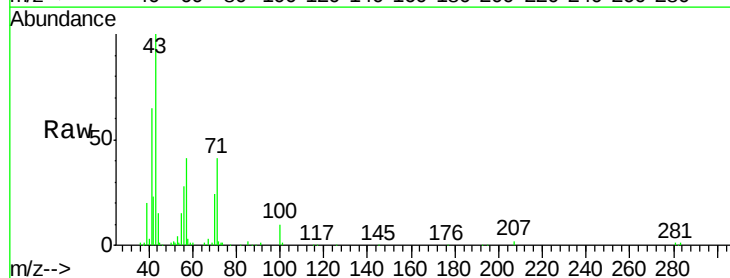
Acq: 12 Aug 2020 13:57

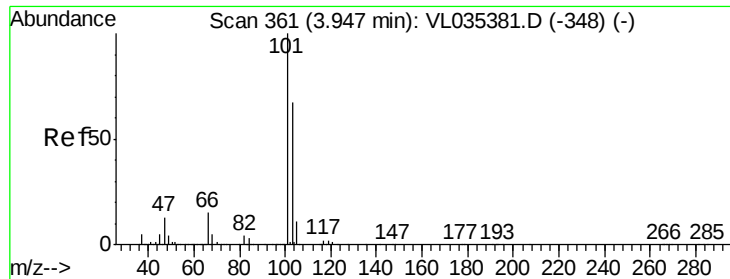
Tgt Ion: 43 Resp: 123037

Ion Ratio Lower Upper

43 100

57 46.9 39.4 59.2





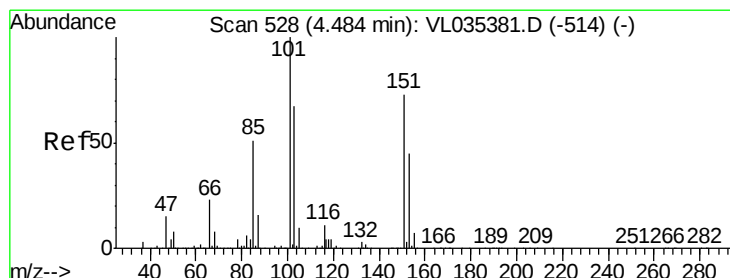
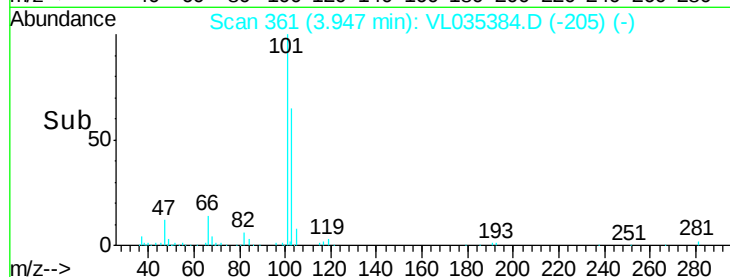
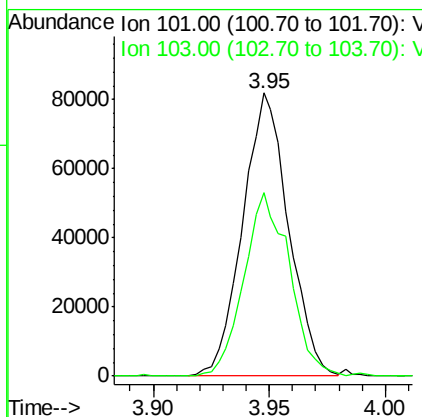
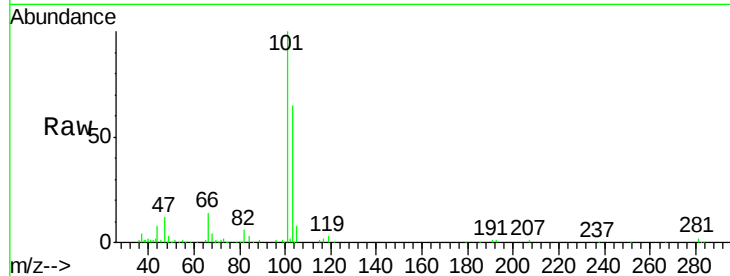
#11
 Trichlorofluoromethane
 Concen: 0.461 ppbv
 RT: 3.95 min Scan# 361
 Delta R.T. 0.00 min
 Lab File: VL035384.D
 Acq: 12 Aug 2020 13:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	53.3	79.9

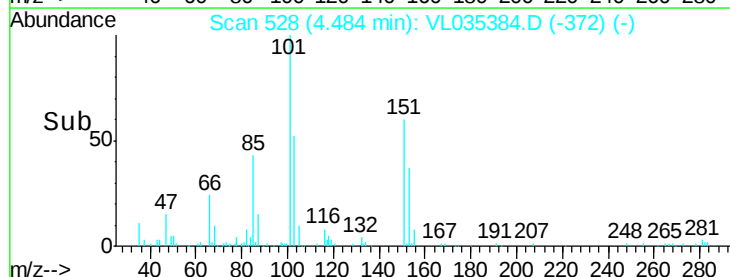
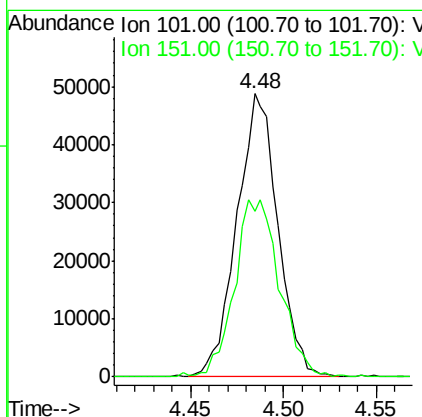
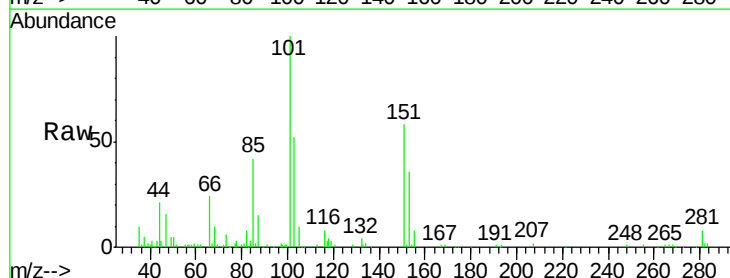
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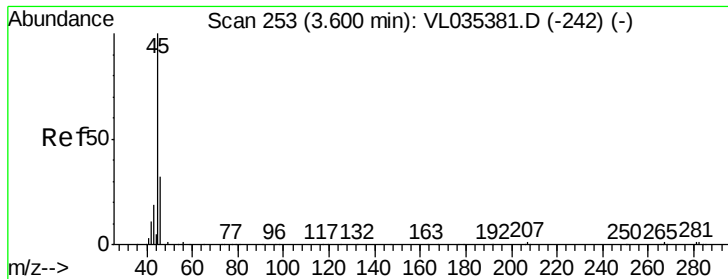
MMDadoda
 8/17/2020 5:43:51 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.428 ppbv
 RT: 4.48 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: VL035384.D
 Acq: 12 Aug 2020 13:57

Tgt Ion	Ratio	Lower	Upper
101	100		
151	68.9	57.0	85.6





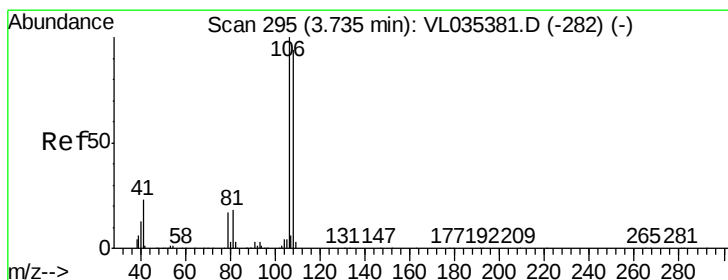
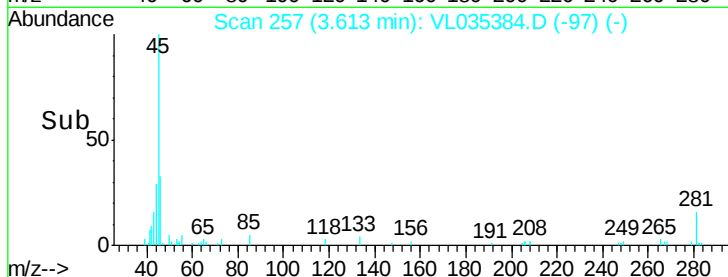
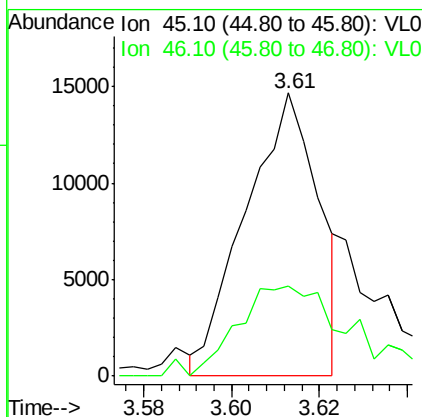
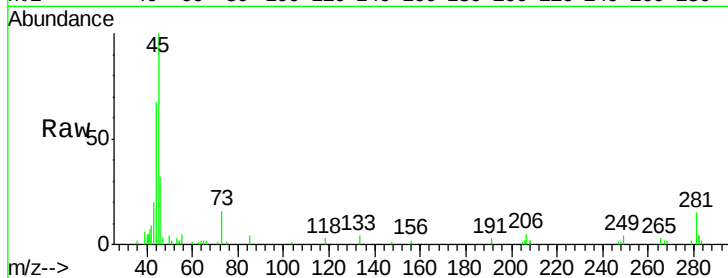
#13
Ethanol
Concen: 0.842 ppbv m
RT: 3.61 min Scan# 257
Delta R.T. 0.01 min
Lab File: VL035384.D
Acq: 12 Aug 2020 13:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	45	Ratio	100	Resp	16795
Ion	45	100		Lower	Upper
	46	51.3		14.1	56.3

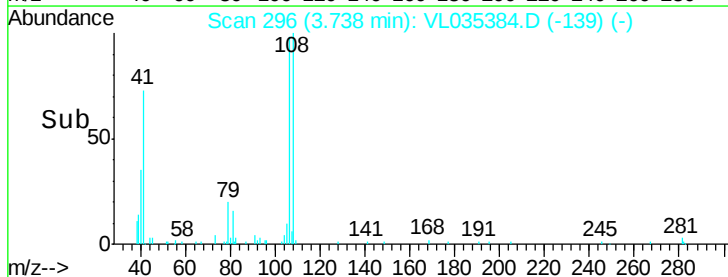
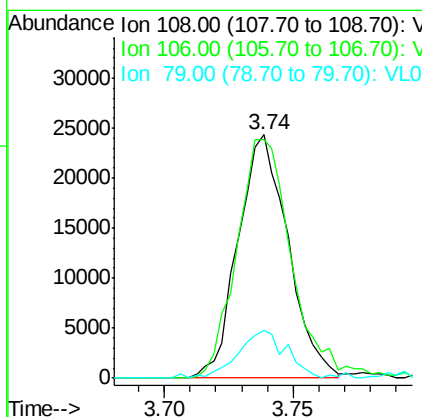
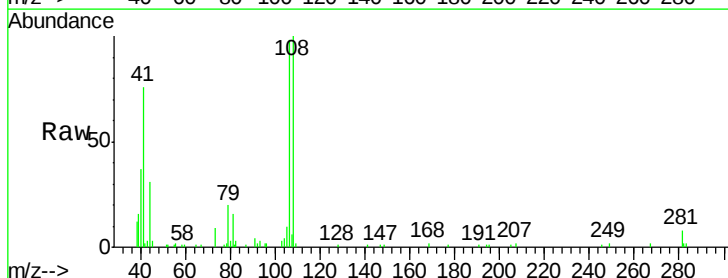
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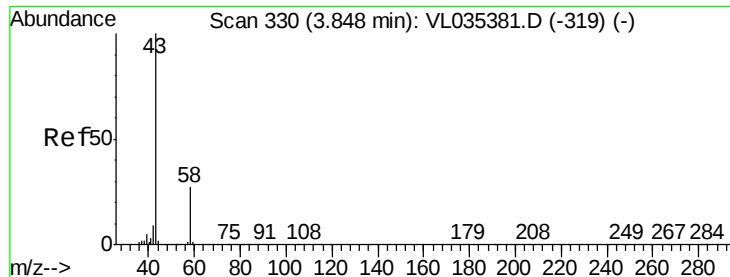
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#14
Bromoethene
Concen: 0.470 ppbv
RT: 3.74 min Scan# 296
Delta R.T. 0.00 min
Lab File: VL035384.D
Acq: 12 Aug 2020 13:57

Tgt Ion	108	Ratio	100	Resp	32986
Ion	108	100		Lower	Upper
	106	109.4		84.9	127.3
	79	19.5		15.8	23.8





#15

Acetone

Concen: 0.516 ppbv

RT: 3.86 min Scan# 334

Delta R.T. 0.01 min

Lab File: VL035384.D

Acq: 12 Aug 2020 13:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 43 Resp: 104247

Ion Ratio Lower Upper

43 100

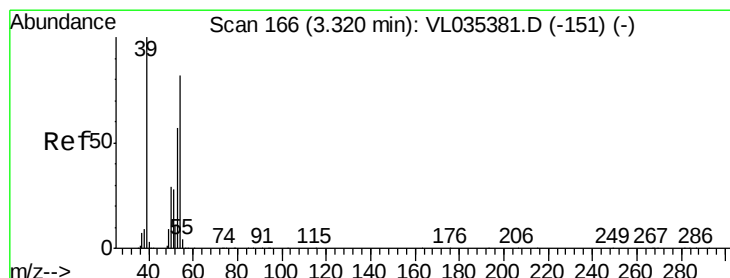
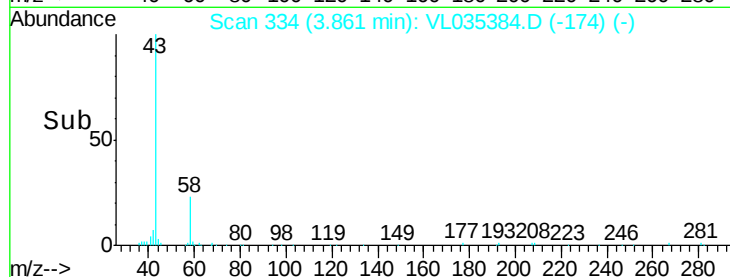
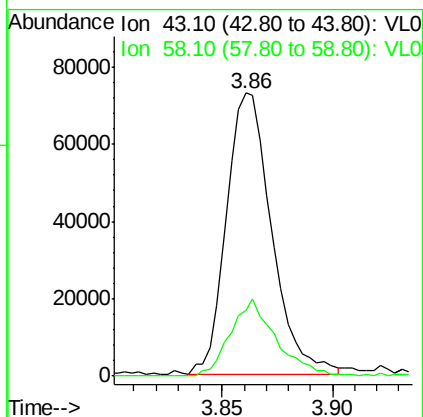
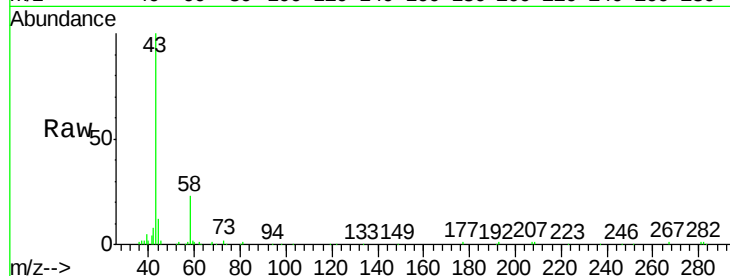
58 27.8 21.7 32.5

Manual Integrations

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#16

1,3-Butadiene

Concen: 0.678 ppbv m

RT: 3.32 min Scan# 167

Delta R.T. 0.00 min

Lab File: VL035384.D

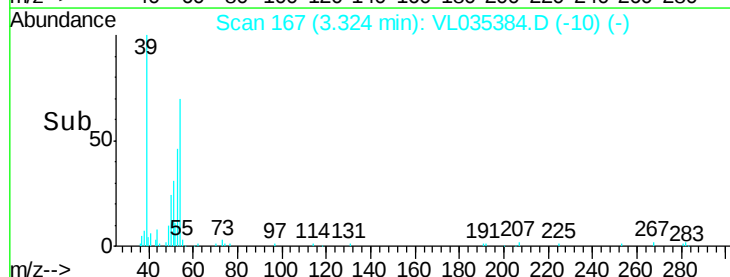
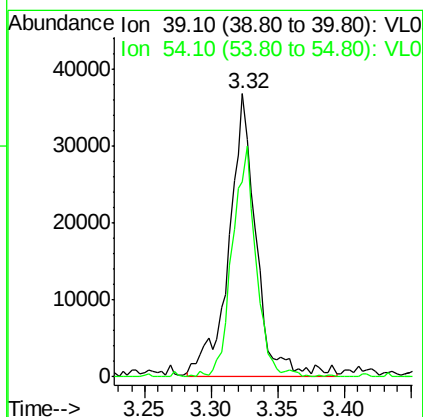
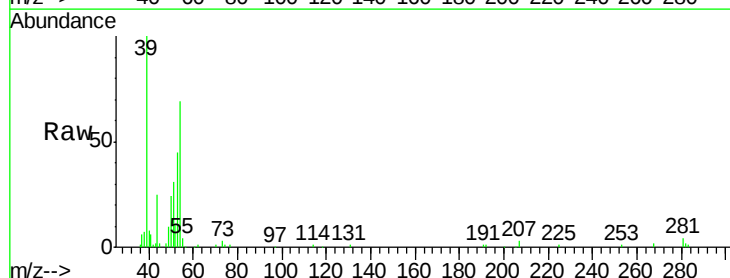
Acq: 12 Aug 2020 13:57

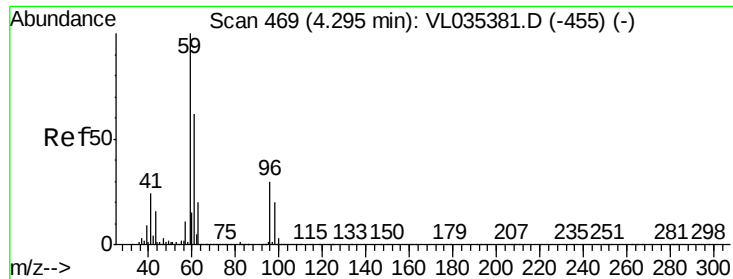
Tgt Ion: 39 Resp: 52738

Ion Ratio Lower Upper

39 100

54 71.4 64.9 97.3





#17

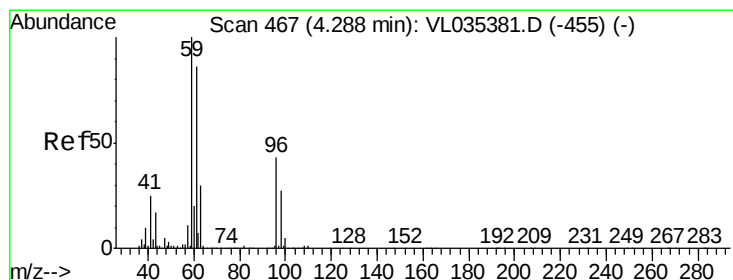
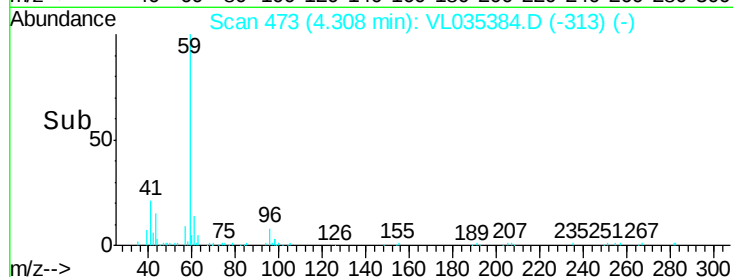
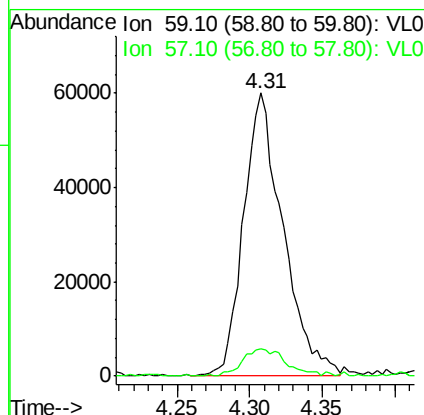
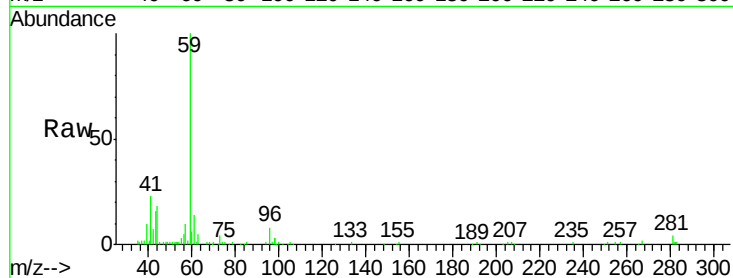
tert-Butyl alcohol
Concen: 0.614 ppbv
RT: 4.31 min Scan# 473
Delta R.T. 0.01 min
Lab File: VL035384.D
Acq: 12 Aug 2020 13:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.0	8.6	13.0

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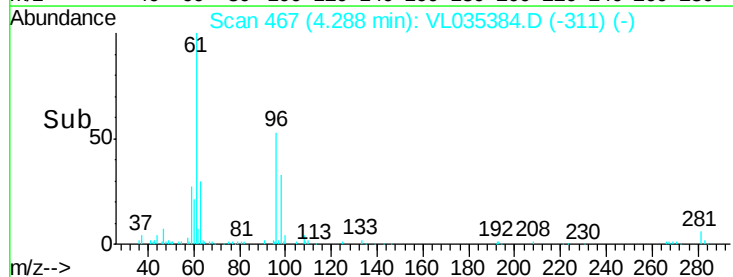
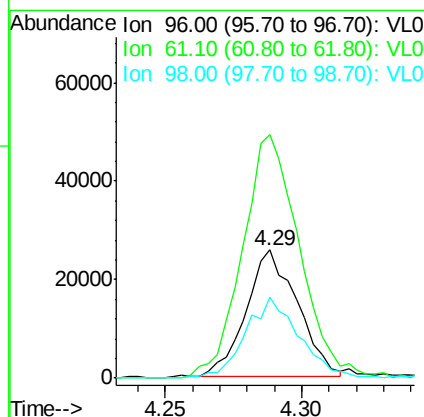
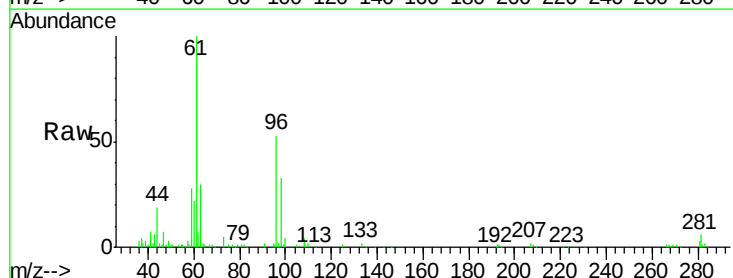
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8/17/2020 5:43:51 PM

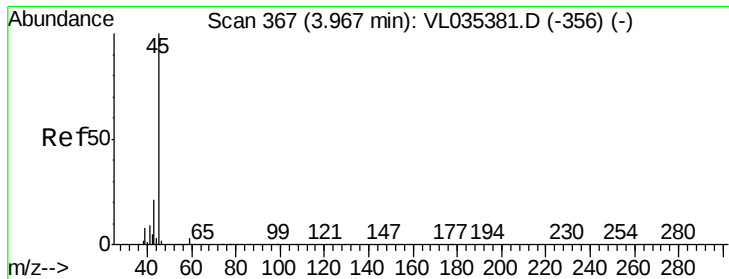


#18

1,1-Dichloroethene
Concen: 0.450 ppbv
RT: 4.29 min Scan# 467
Delta R.T. 0.00 min
Lab File: VL035384.D
Acq: 12 Aug 2020 13:57

Tgt Ion	Ratio	Lower	Upper
96	100		
61	203.8	159.0	238.4
98	62.5	50.3	75.5





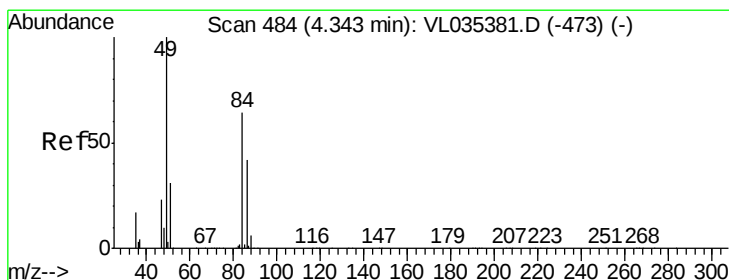
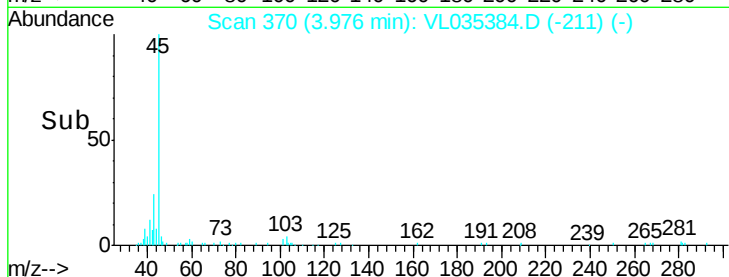
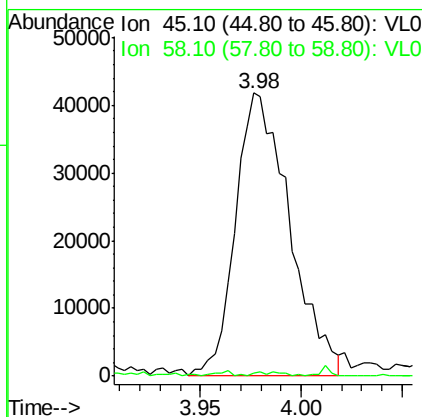
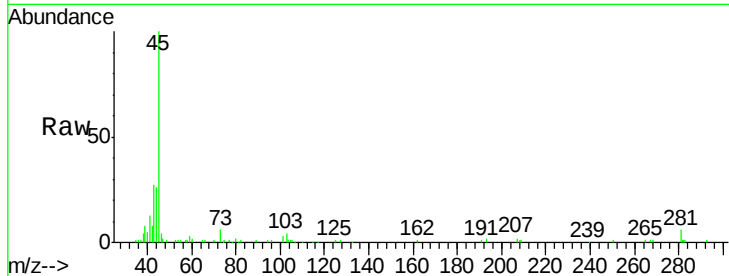
#19
Isopropyl Alcohol
Concen: 0.613 ppbv
RT: 3.98 min Scan# 370
Delta R.T. 0.01 min
Lab File: VL035384.D
Acq: 12 Aug 2020 13:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion: 45 Resp: 78463
Ion Ratio Lower Upper
45 100
58 36.8 24.9 37.3

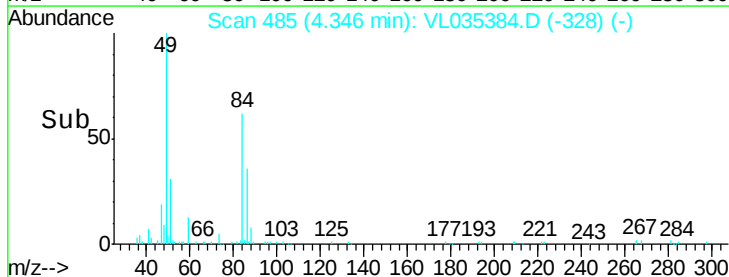
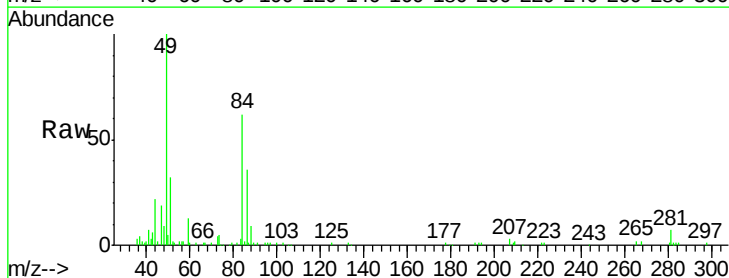
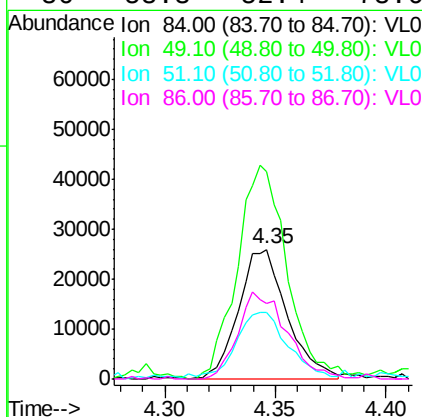
Manual Integrations
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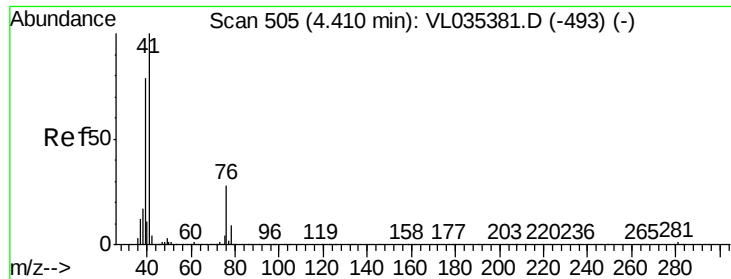
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#20
Methylene Chloride
Concen: 0.479 ppbv
RT: 4.35 min Scan# 485
Delta R.T. 0.00 min
Lab File: VL035384.D
Acq: 12 Aug 2020 13:57

Tgt Ion: 84 Resp: 39448
Ion Ratio Lower Upper
84 100
49 160.4 125.7 188.5
51 49.4 38.5 57.7
86 58.3 52.4 78.6





#21

Allvl Chloride

Concen: 0.508 ppbv

RT: 4.41 min Scan# 505

Delta R.T. 0.00 min

Lab File: VL035384.D

Acq: 12 Aug 2020 13:57

Instrument :

MSVOA_L

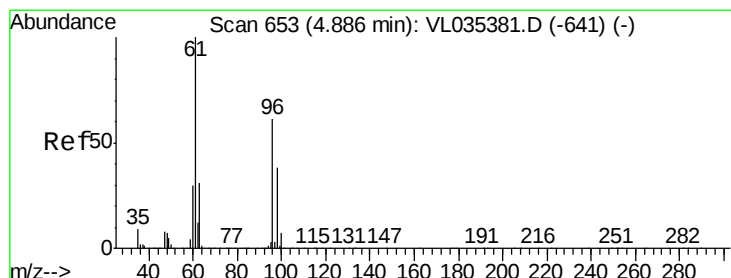
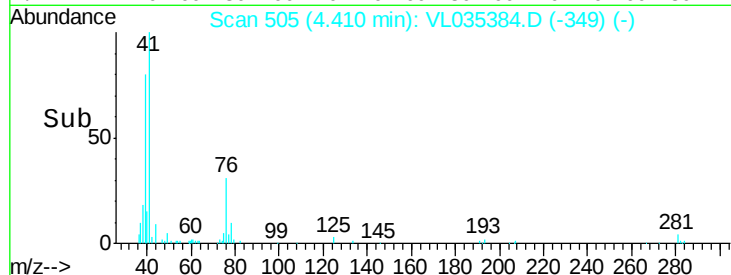
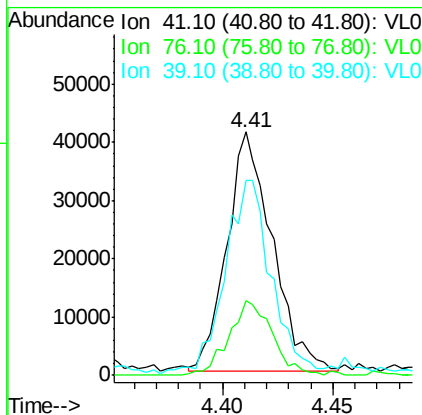
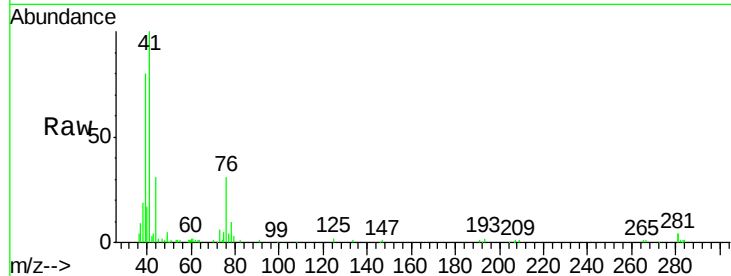
ClientSampleId :

VSTDIC0.5

Tot Ion:	41	Resp:	58788
Ion	Ratio	Lower	Upper
41	100		
76	30.1	22.4	33.6
39	86.1	63.0	94.4

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#22

trans-1,2-Dichloroethene

Concen: 0.463 ppbv

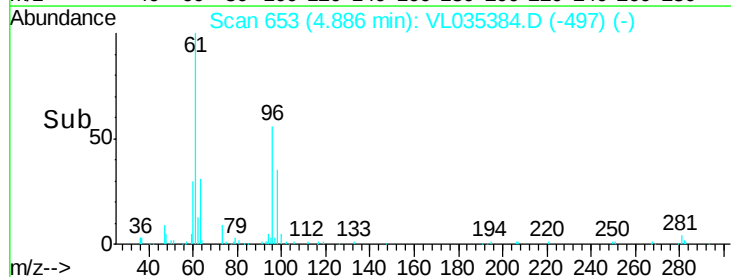
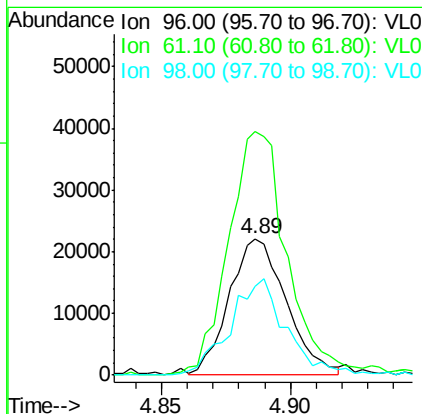
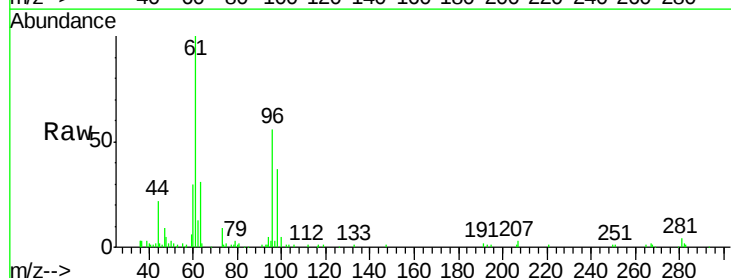
RT: 4.89 min Scan# 653

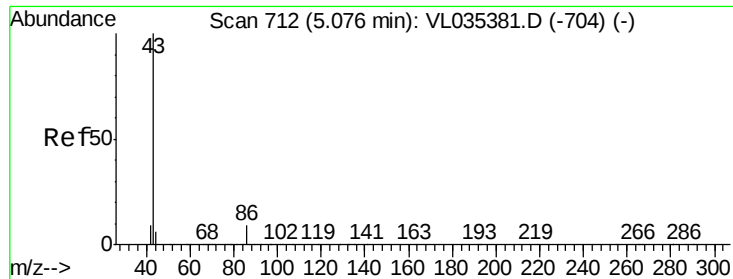
Delta R.T. 0.00 min

Lab File: VL035384.D

Acq: 12 Aug 2020 13:57

Tgt Ion:	96	Resp:	33769
Ion	Ratio	Lower	Upper
96	100		
61	174.8	131.8	197.6
98	63.3	49.6	74.4





#23

Vinyl Acetate

Concen: 0.793 ppbv

RT: 5.08 min Scan# 713

Delta R.T. 0.00 min

Lab File: VL035384.D

Acq: 12 Aug 2020 13:57

Instrument :

MSVOA_L

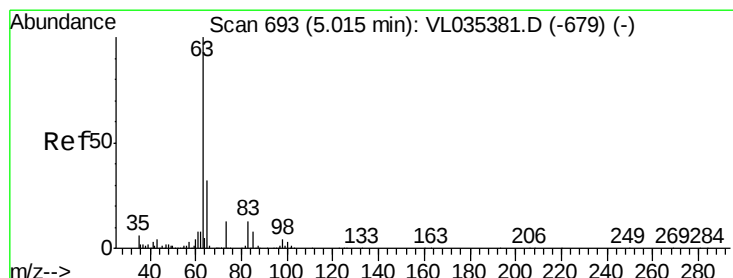
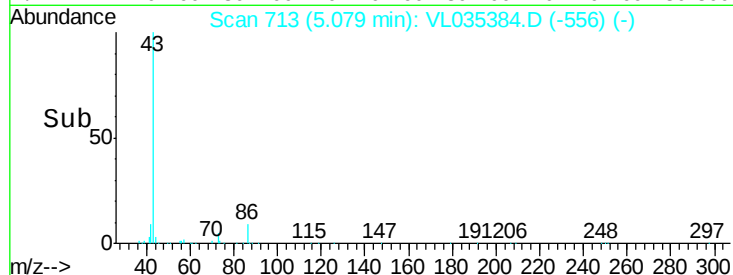
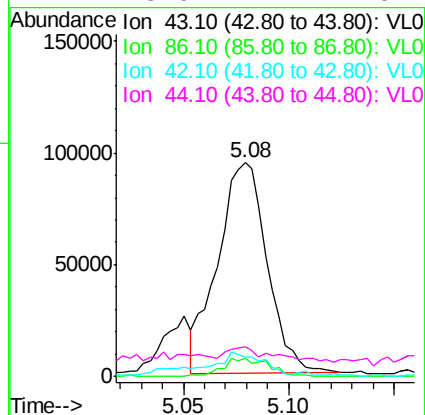
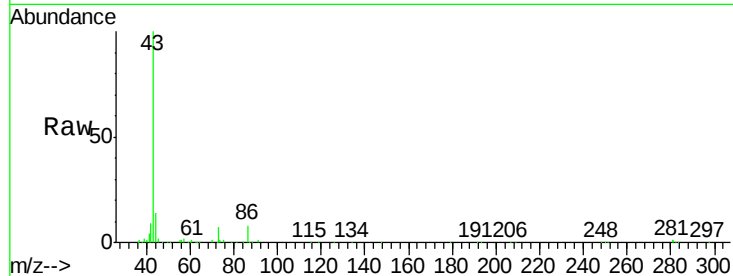
ClientSampleId :

VSTDIC0.5

Tot Ion	43	Resp	153494
Ion Ratio	Lower	Upper	
43	100		
86	8.5	5.8	8.8
42	8.8	8.0	12.0
44	5.9	4.2	6.2

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#24

1,1-Dichloroethane

Concen: 0.561 ppbv

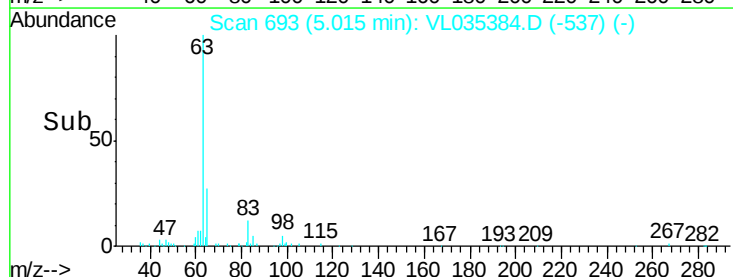
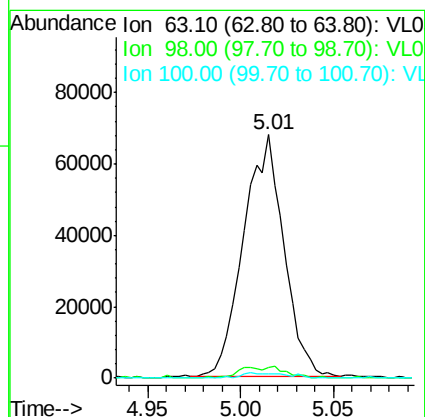
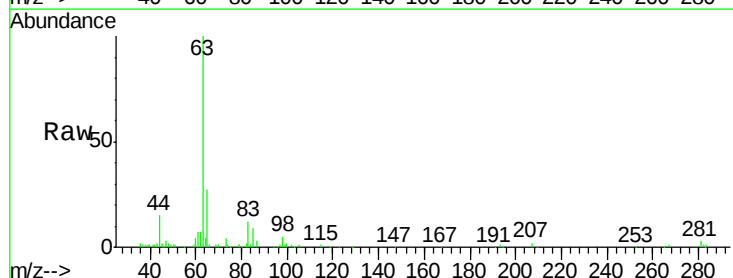
RT: 5.01 min Scan# 693

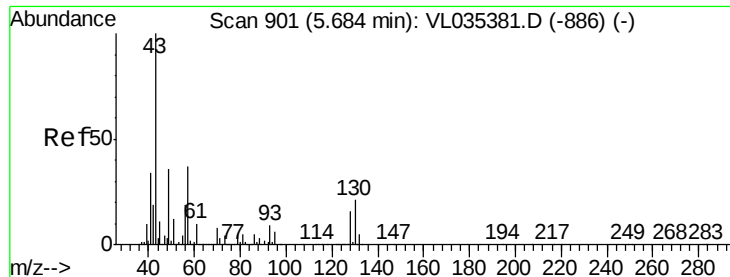
Delta R.T. 0.00 min

Lab File: VL035384.D

Acq: 12 Aug 2020 13:57

Tgt Ion	63	Resp	102190
Ion Ratio	Lower	Upper	
63	100		
98	4.7	2.2	6.6
100	1.7	1.4	4.0





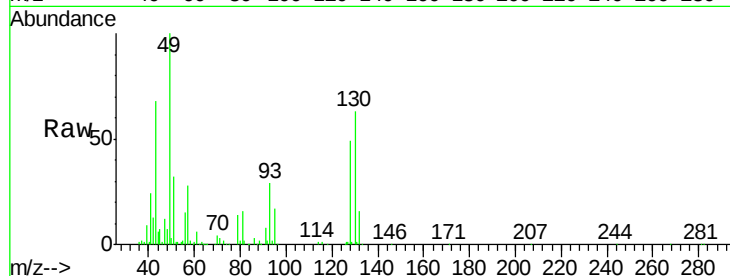
#25
Ethyl Acetate
Concen: 0.677 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.01 min
Lab File: VL035384.D
Acq: 12 Aug 2020 13:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

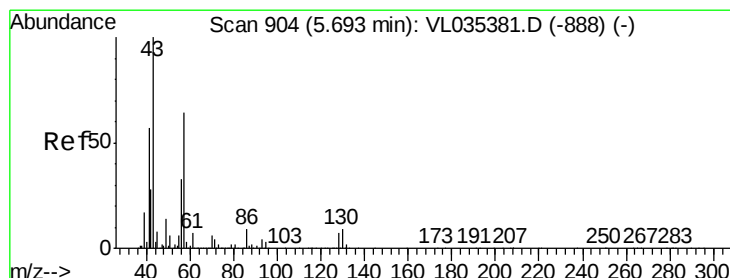
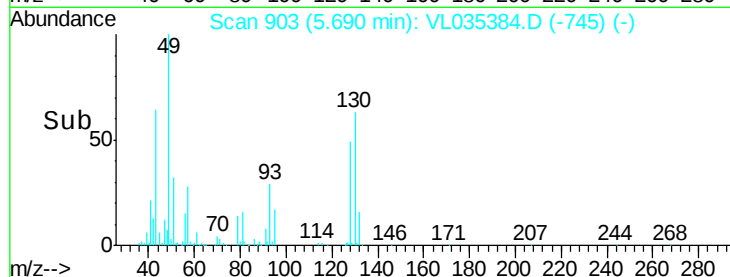
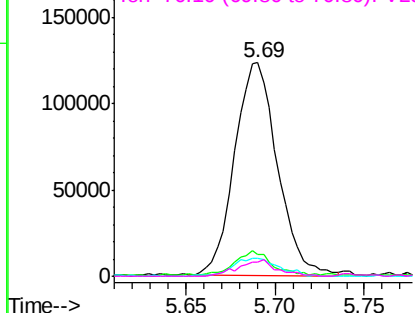
Tot Ion	43	Resp	207738
Ion Ratio	Lower	Upper	
43	100		
45	10.6	8.0	12.0
61	9.2	7.4	11.2
70	6.9	5.9	8.9

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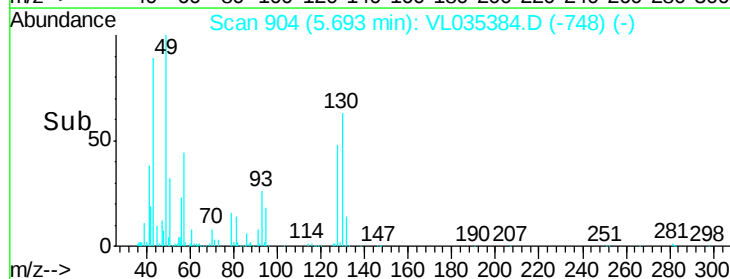
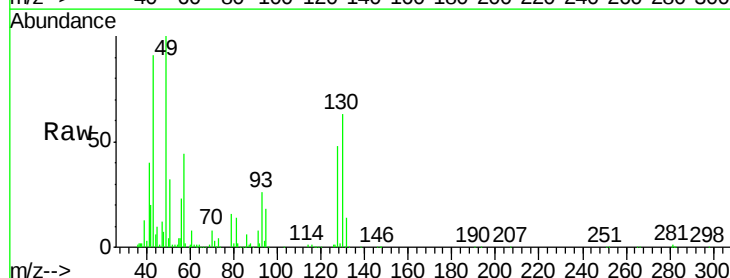
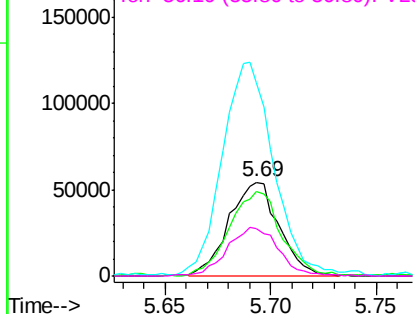
Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

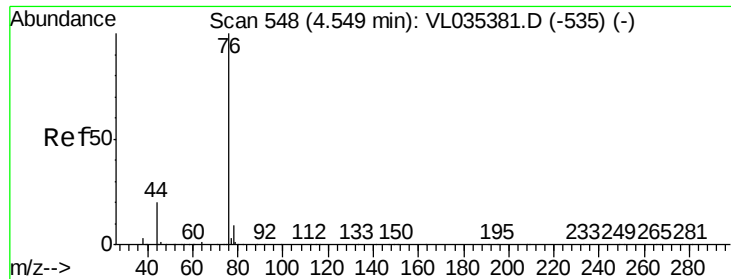


#26
Hexane
Concen: 0.669 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.00 min
Lab File: VL035384.D
Acq: 12 Aug 2020 13:57

Tgt Ion	57	Resp	89094
Ion Ratio	Lower	Upper	
57	100		
41	96.2	75.4	113.2
43	234.4	184.1	276.1
56	54.1	42.2	63.4

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: 0.475 ppbv

RT: 4.56 min Scan# 550

Delta R.T. 0.01 min

Lab File: VL035384.D

Acq: 12 Aug 2020 13:57

Instrument :

MSVOA_L

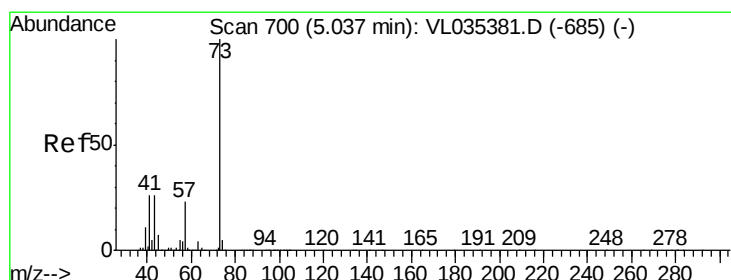
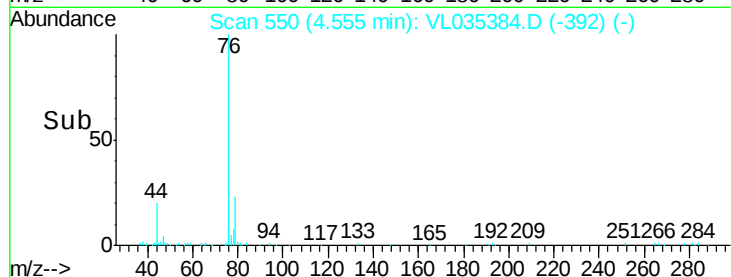
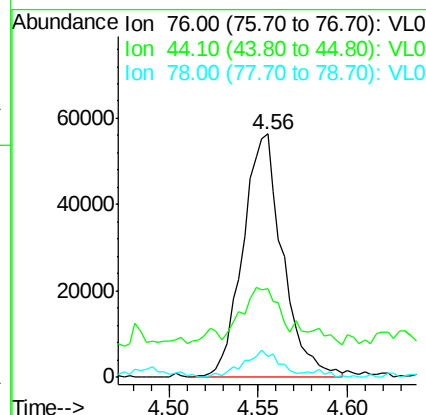
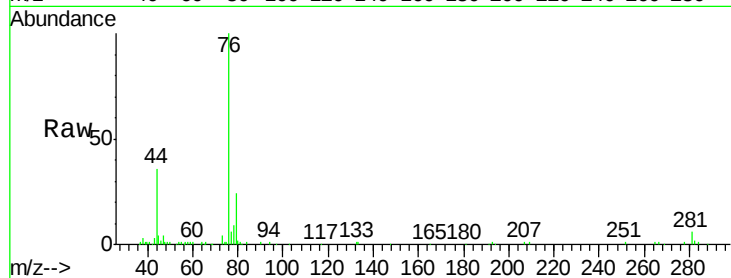
ClientSampleId :

VSTDIC0.5

Tot Ion:	76	Resp:	88366
Ion Ratio	Lower	Upper	
76	100		
44	30.3	17.0	25.4#
78	11.8	7.5	11.3#

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#28

Methyl tert-Butyl Ether

Concen: 0.804 ppbv m

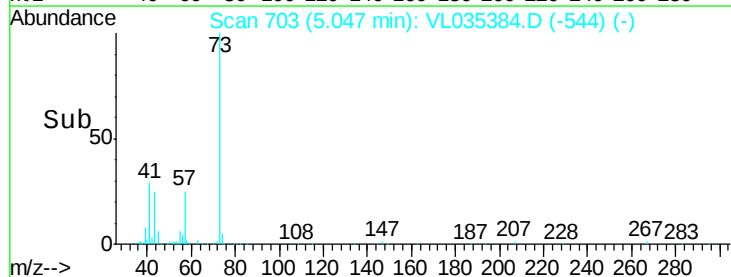
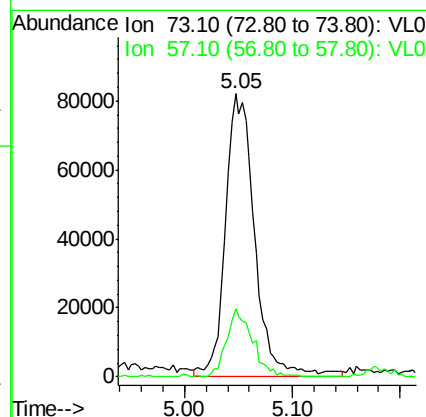
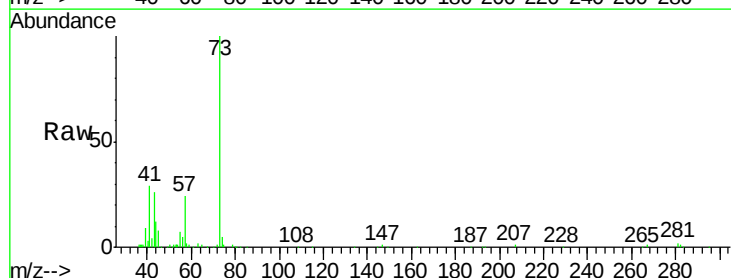
RT: 5.05 min Scan# 703

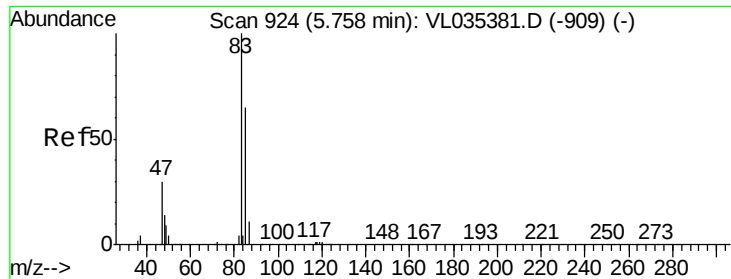
Delta R.T. 0.01 min

Lab File: VL035384.D

Acq: 12 Aug 2020 13:57

Tgt Ion:	73	Resp:	155663
Ion Ratio	Lower	Upper	
73	100		
57	21.7	19.0	28.4





#29

Chloroform

Concen: 0.544 ppbv

RT: 5.75 min Scan# 922

Delta R.T. -0.01 min

Lab File: VL035384.D

Acq: 12 Aug 2020 13:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 83 Resp: 124913

Ion Ratio Lower Upper

83 100

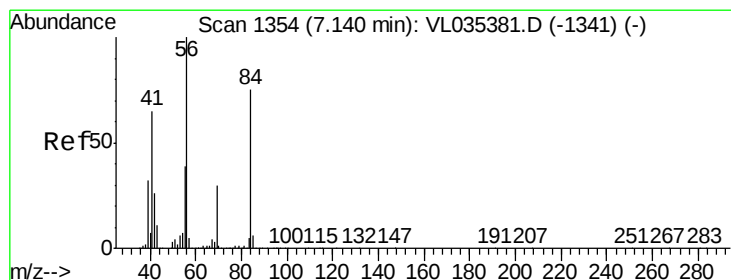
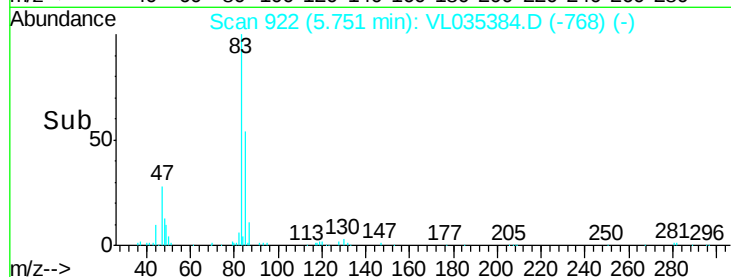
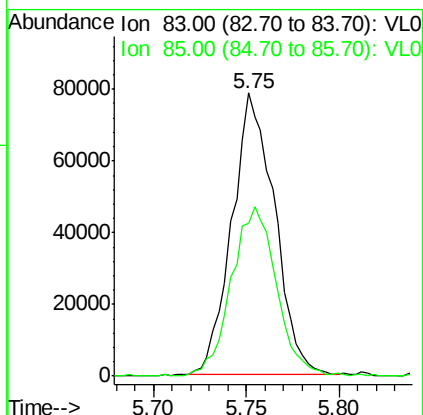
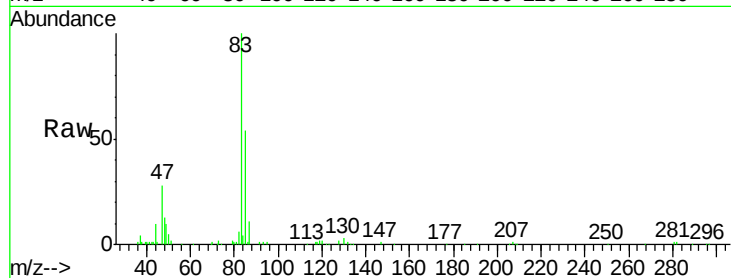
85 53.4 51.7 77.5

Manual Integrations

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#30

Cyclohexane

Concen: 0.752 ppbv m

RT: 7.13 min Scan# 1352

Delta R.T. -0.01 min

Lab File: VL035384.D

Acq: 12 Aug 2020 13:57

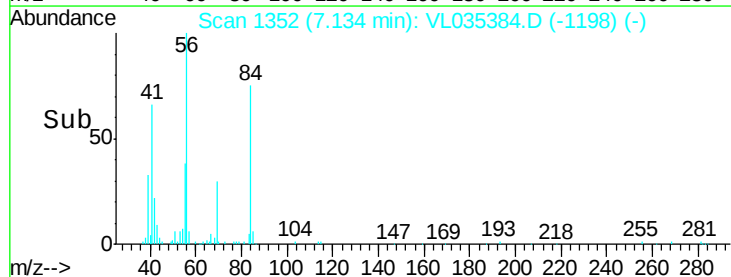
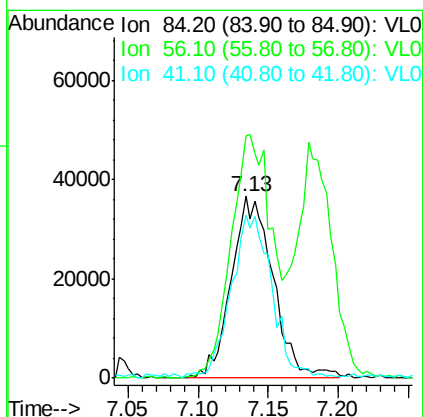
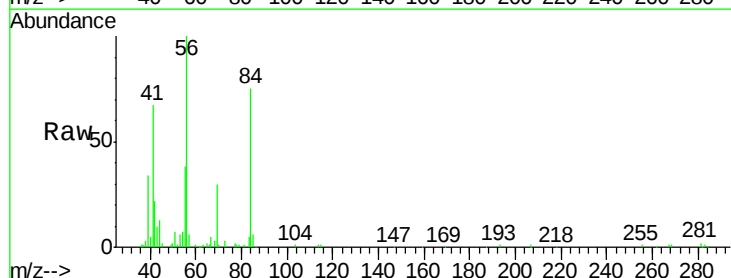
Tgt Ion: 84 Resp: 75908

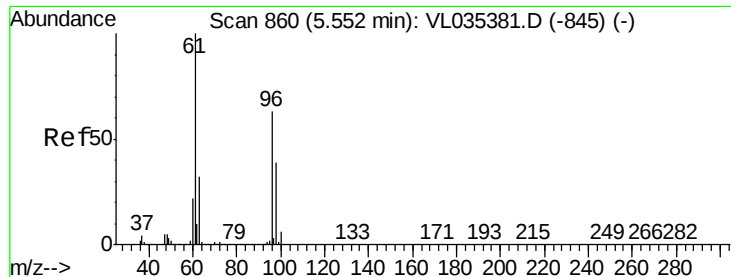
Ion Ratio Lower Upper

84 100

56 0.0 115.8 173.6#

41 87.9 71.4 107.0





#31

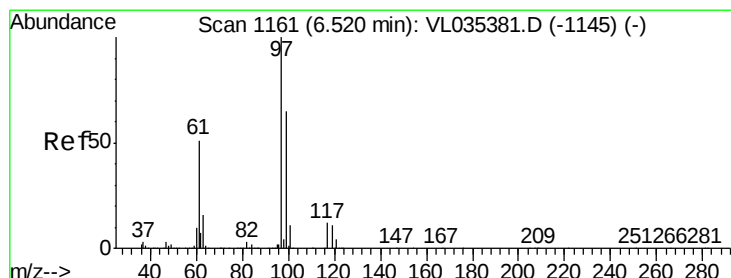
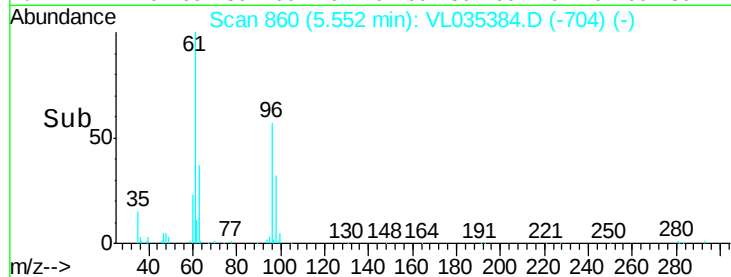
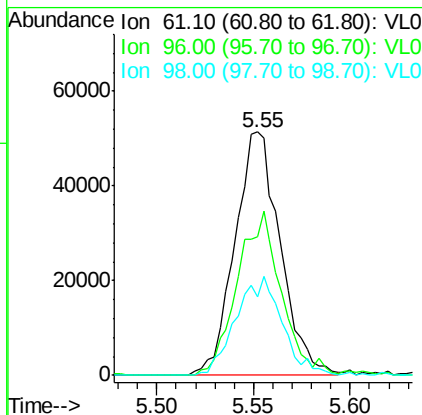
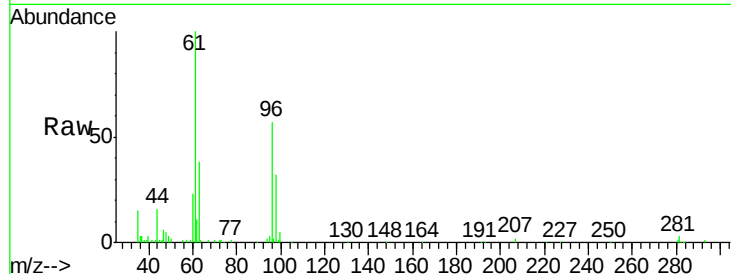
cis-1,2-Dichloroethene
Concen: 0.710 ppbv
RT: 5.55 min Scan# 860
Delta R.T. 0.00 min
Lab File: VL035384.D
Acq: 12 Aug 2020 13:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	61	Resp:	83985
Ion	Ratio	Lower	Upper
61	100		
96	56.5	50.5	75.7
98	32.3	31.5	47.3

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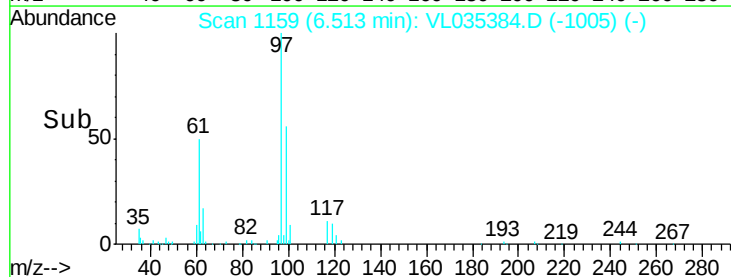
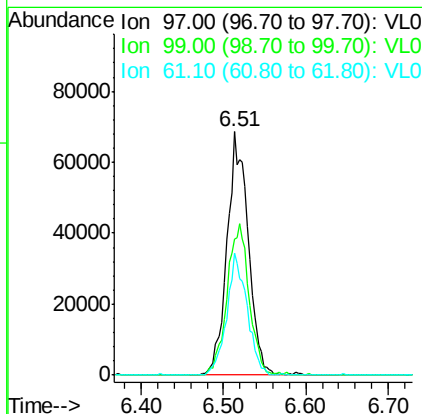
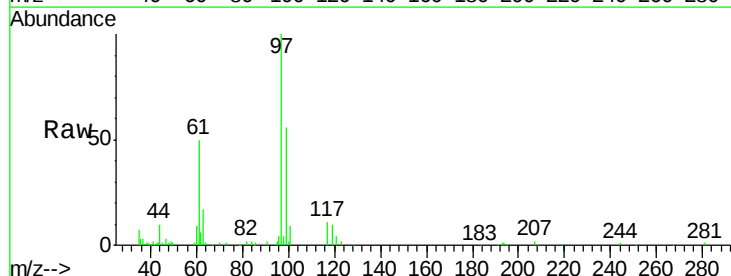
MMDadoda
8/17/2020 5:43:51 PM

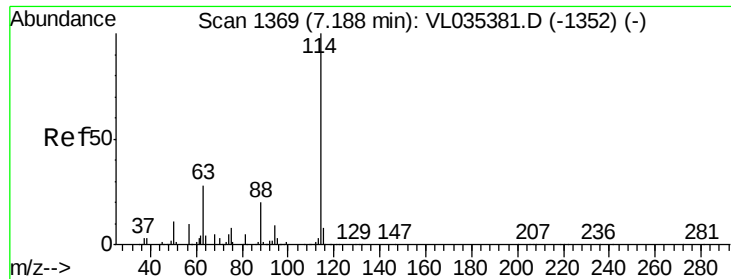


#32

1,1,1-Trichloroethane
Concen: 0.516 ppbv m
RT: 6.51 min Scan# 1159
Delta R.T. -0.01 min
Lab File: VL035384.D
Acq: 12 Aug 2020 13:57

Tgt Ion	97	Resp:	124564
Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.8	77.8#
61	48.1	39.6	59.4





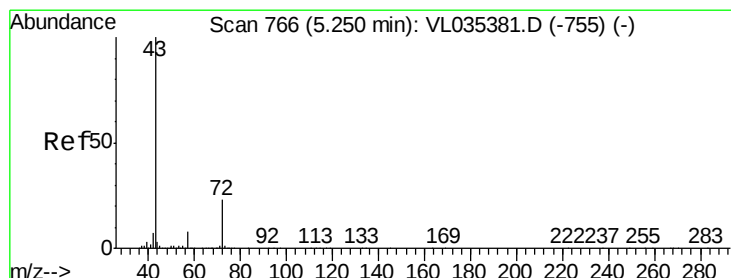
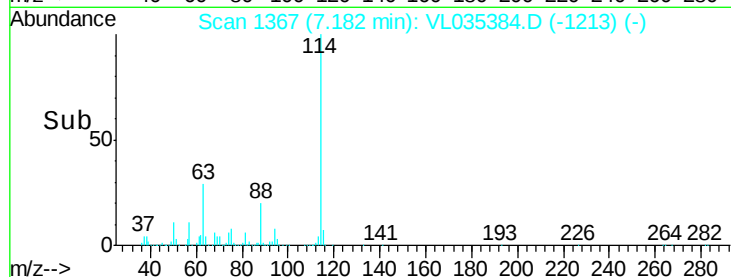
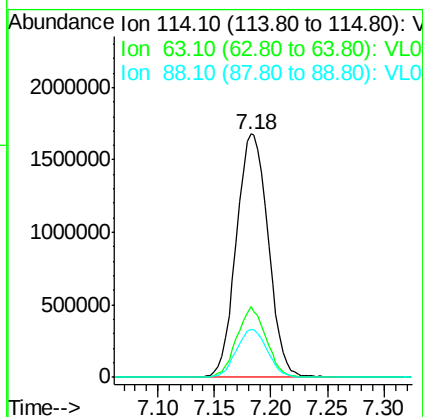
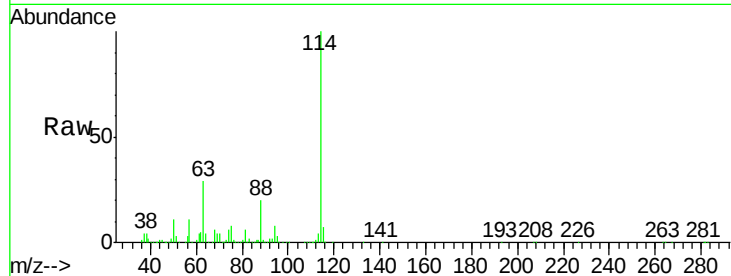
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. -0.01 min
 Lab File: VL035384.D
 Acq: 12 Aug 2020 13:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.8	21.5	32.3
88	19.2	15.6	23.4

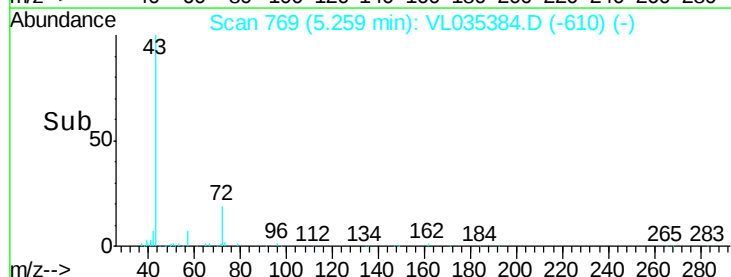
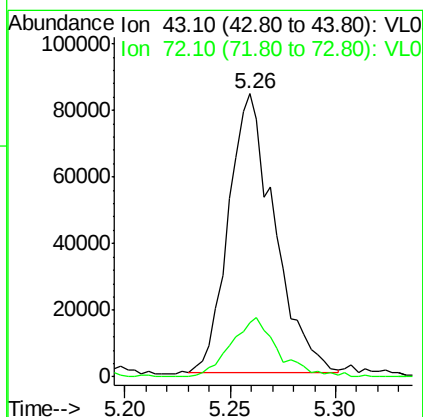
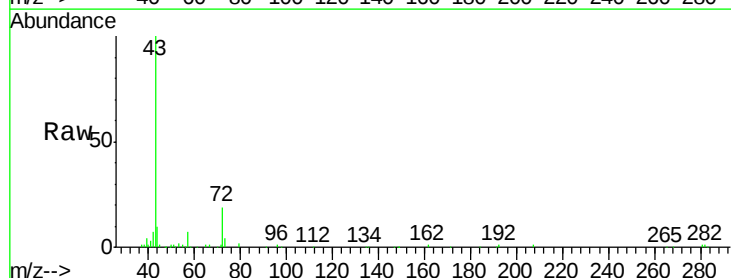
Manual Integrations
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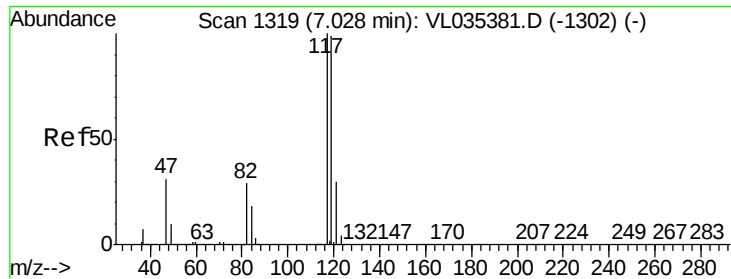
MMDadoda
 8/17/2020 5:43:51 PM



#34
 2-Butanone
 Concen: 0.784 ppbv
 RT: 5.26 min Scan# 769
 Delta R.T. 0.01 min
 Lab File: VL035384.D
 Acq: 12 Aug 2020 13:57

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.8	17.7	26.5





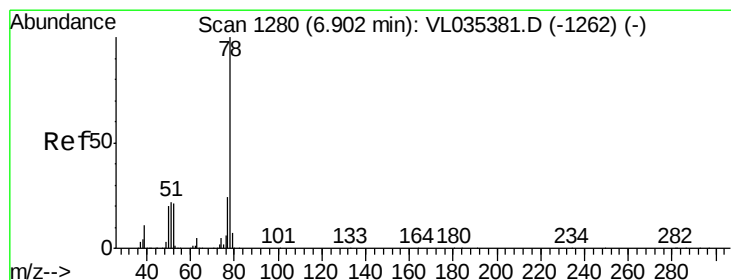
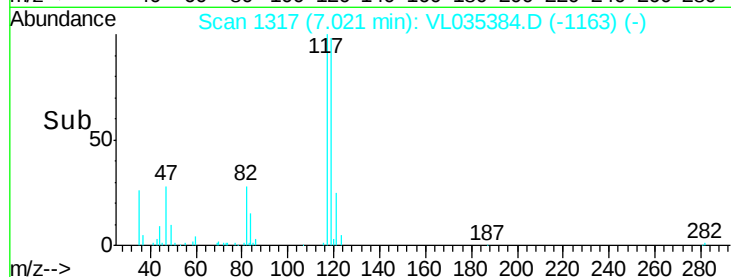
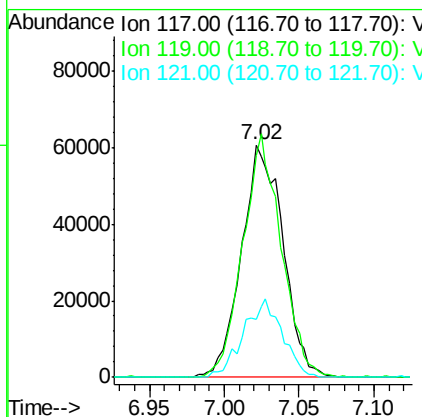
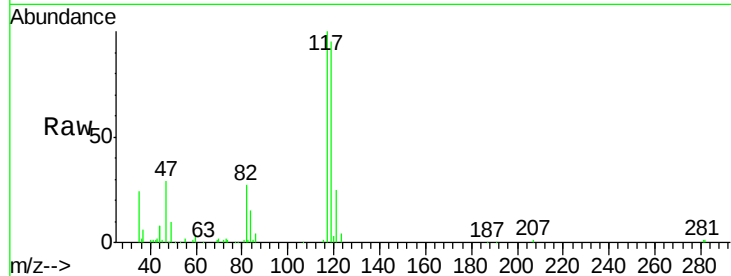
#35
Carbon Tetrachloride
Concen: 0.517 ppbv
RT: 7.02 min Scan# 1317
Delta R.T. -0.01 min
Lab File: VL035384.D
Acq: 12 Aug 2020 13:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
117	100		
119	95.3	79.4	119.0
121	25.2	24.3	36.5

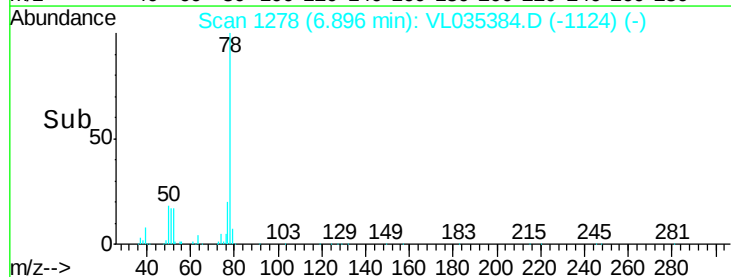
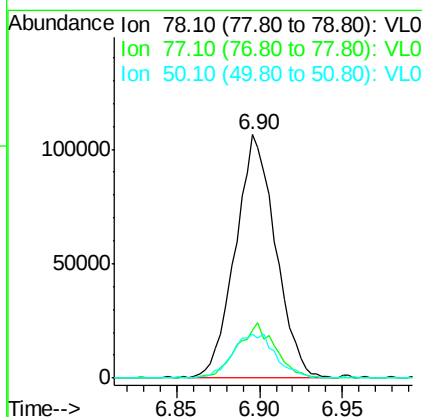
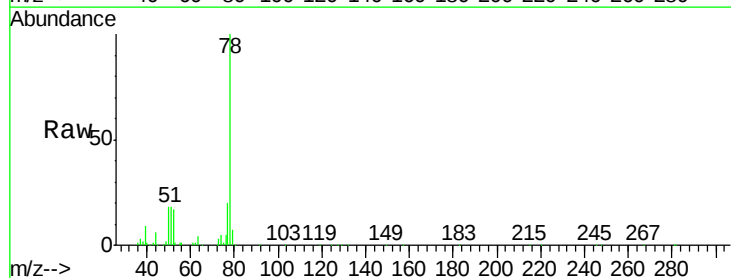
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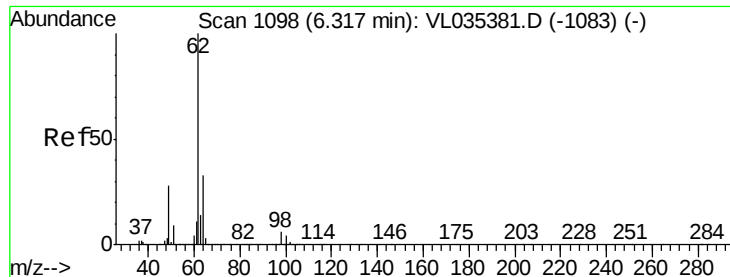
MMDadoda
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#36
Benzene
Concen: 0.807 ppbv
RT: 6.90 min Scan# 1278
Delta R.T. -0.01 min
Lab File: VL035384.D
Acq: 12 Aug 2020 13:57

Tgt Ion	Ratio	Lower	Upper
78	100		
77	19.8	19.1	28.7
50	18.2	15.8	23.6





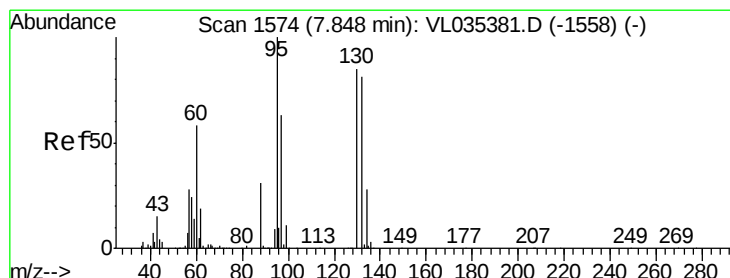
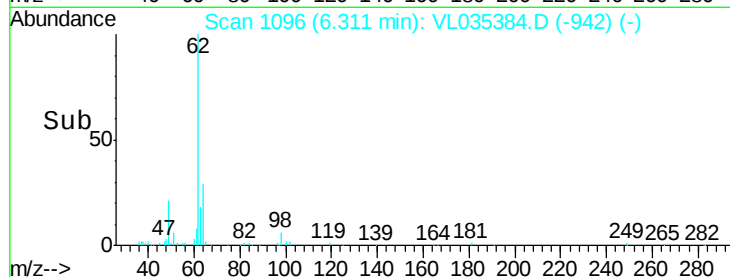
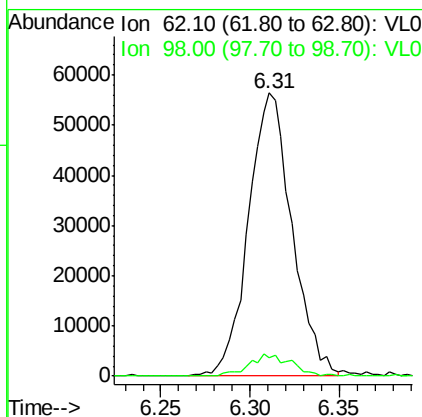
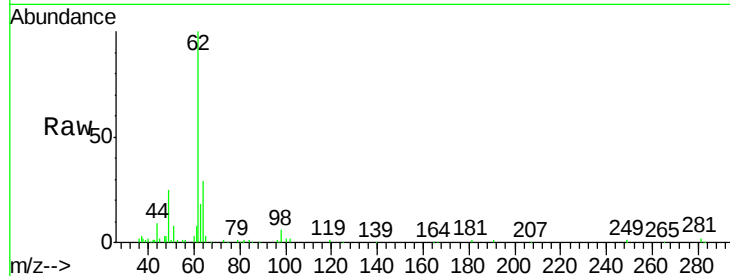
#37
 1,2-Dichloroethane
 Concen: 0.619 ppbv
 RT: 6.31 min Scan# 1096
 Delta R.T. -0.01 min
 Lab File: VL035384.D
 Acq: 12 Aug 2020 13:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Resp	Lower	Upper
62	100	96287		
98	7.4	5.1	7.7	

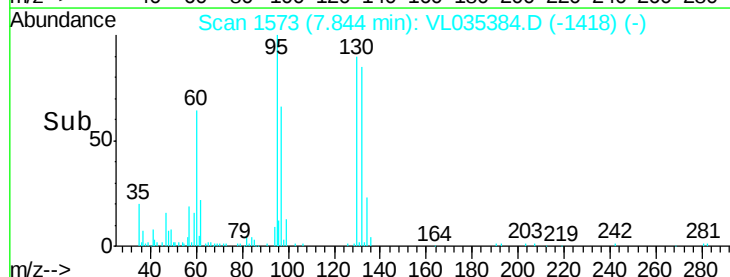
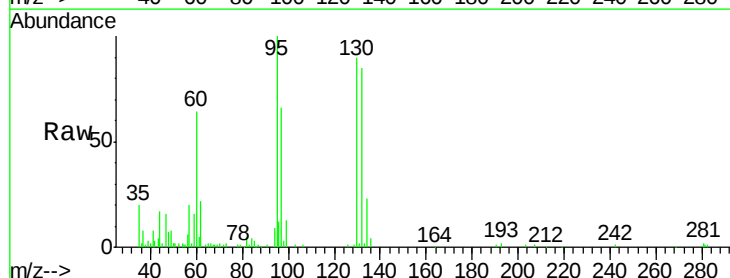
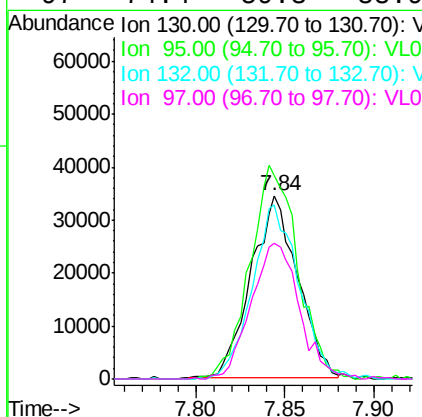
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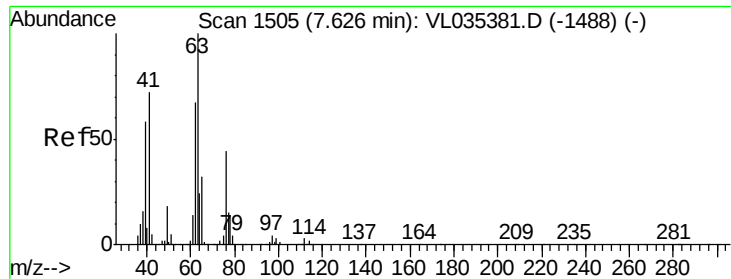
MMDadoda
 8/17/2020 5:43:51 PM



#38
 Trichloroethene
 Concen: 0.610 ppbv
 RT: 7.84 min Scan# 1573
 Delta R.T. -0.00 min
 Lab File: VL035384.D
 Acq: 12 Aug 2020 13:57

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	62653		
95	111.9	94.2	141.4	
132	95.5	76.6	114.8	
97	74.4	59.3	88.9	





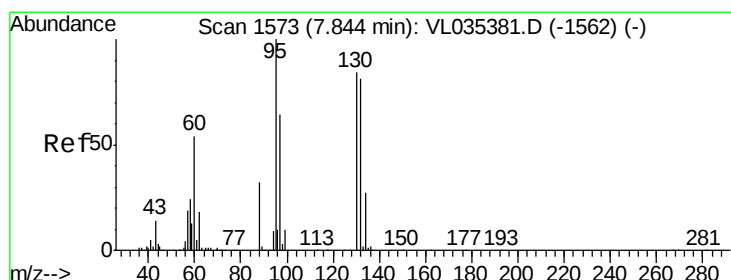
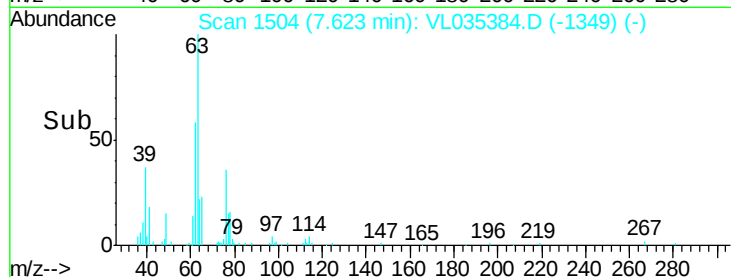
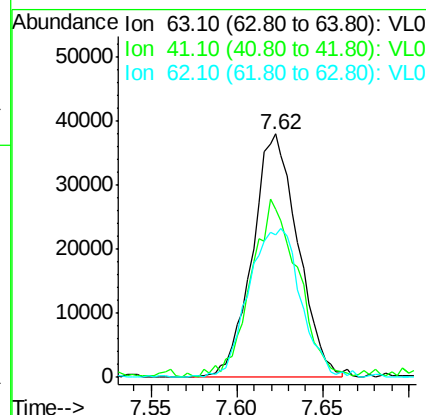
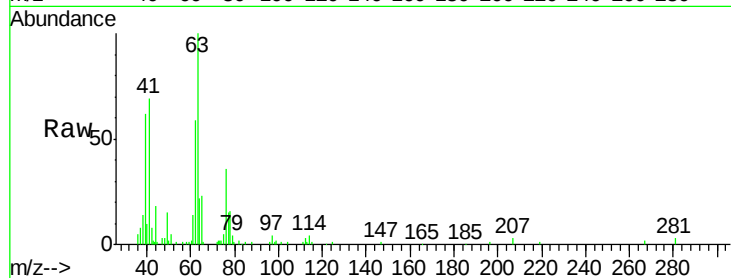
#39
 1,2-Dichloropropane
 Concen: 0.778 ppbv
 RT: 7.62 min Scan# 1504
 Delta R.T. -0.00 min
 Lab File: VL035384.D
 Acq: 12 Aug 2020 13:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
63	100		
41	67.8	57.4	86.2
62	58.1	53.6	80.4

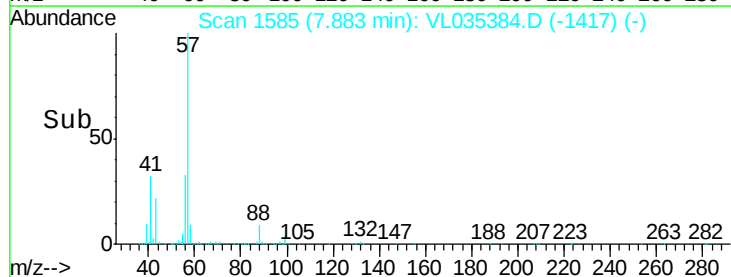
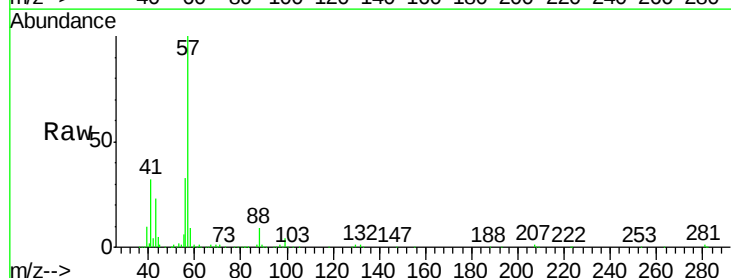
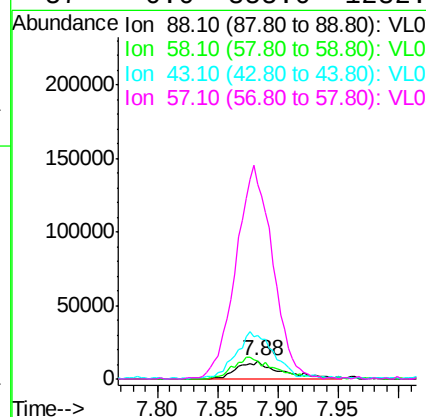
Manual Integrations
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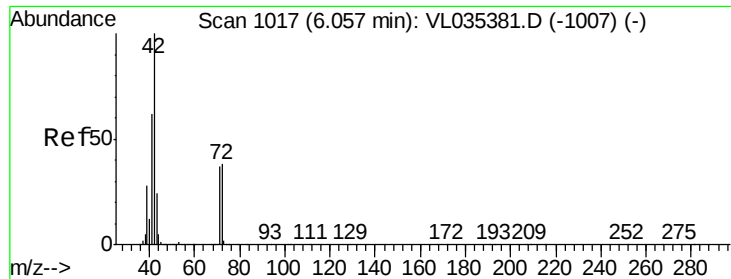
MMDadoda
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#40
 1,4-Dioxane
 Concen: 0.801 ppbv m
 RT: 7.88 min Scan# 1585
 Delta R.T. 0.04 min
 Lab File: VL035384.D
 Acq: 12 Aug 2020 13:57

Tgt Ion	Ratio	Lower	Upper
88	100		
58	0.0	105.0	157.6#
43	0.0	204.2	306.2#
57	0.0	855.0	1282.4#





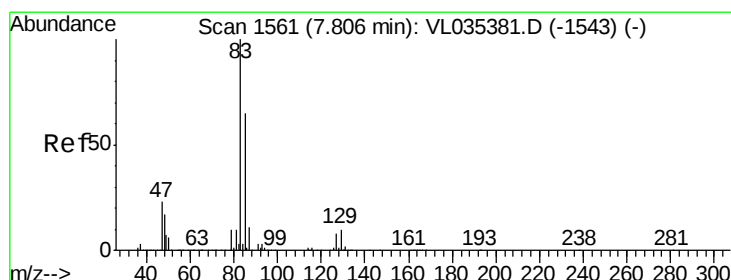
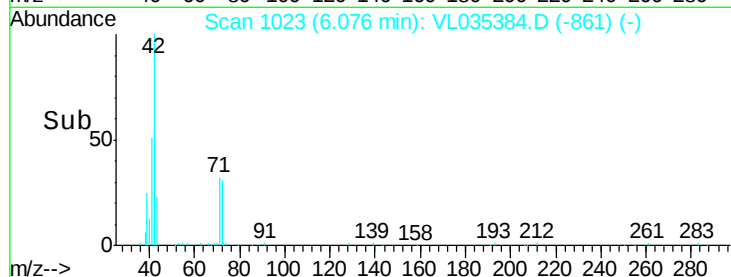
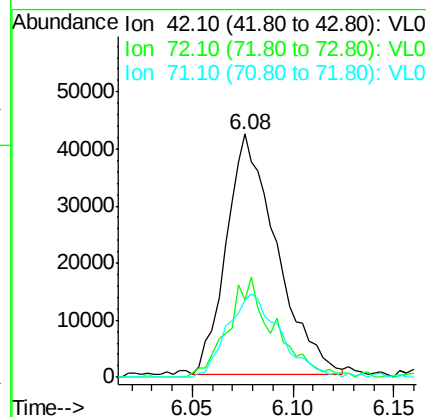
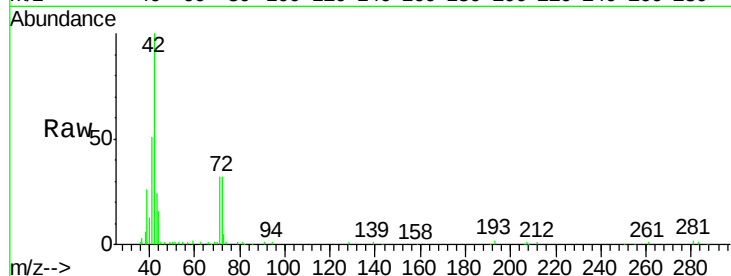
#41
Tetrahydrofuran
Concen: 0.917 ppbv
RT: 6.08 min Scan# 1023
Delta R.T. 0.02 min
Lab File: VL035384.D
Acq: 12 Aug 2020 13:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.1	30.2	45.2
71	37.1	28.6	42.8

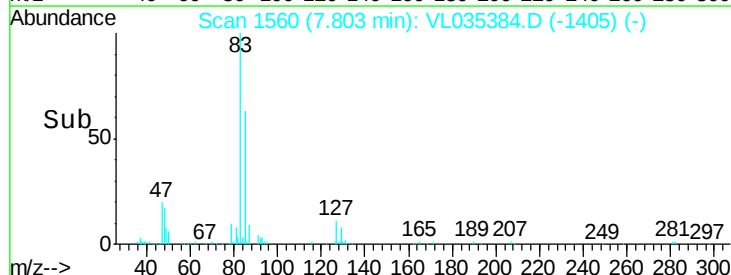
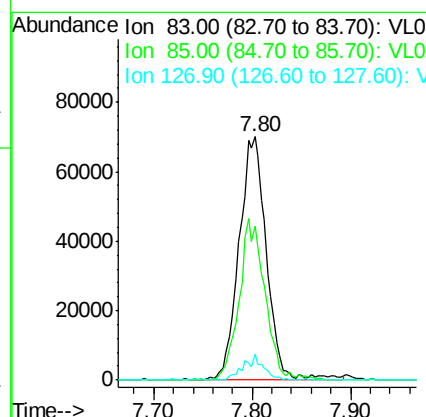
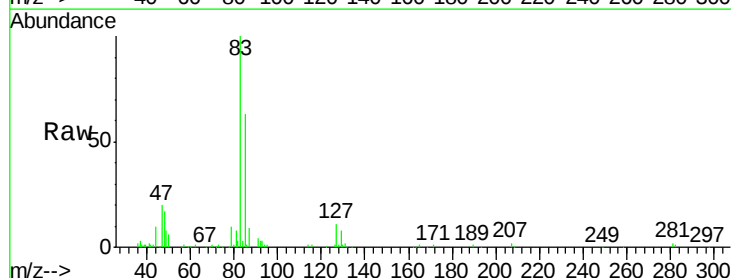
Manual Integrations
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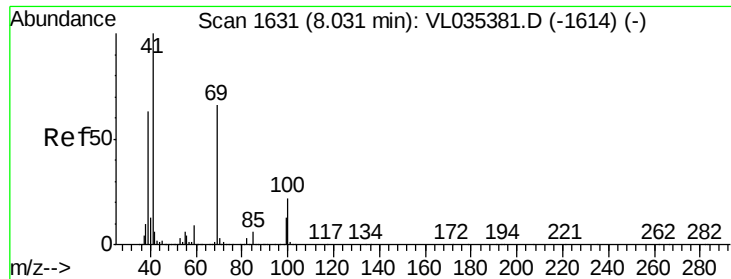
MMDadoda
8/17/2020 5:43:51 PM



#42
Bromodichloromethane
Concen: 0.646 ppbv m
RT: 7.80 min Scan# 1560
Delta R.T. -0.00 min
Lab File: VL035384.D
Acq: 12 Aug 2020 13:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	52.2	78.4
127	10.6	6.3	9.5#





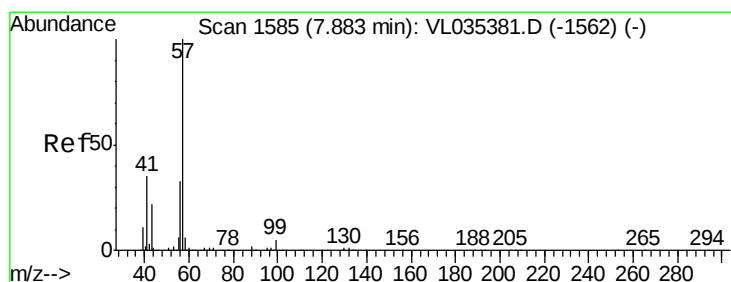
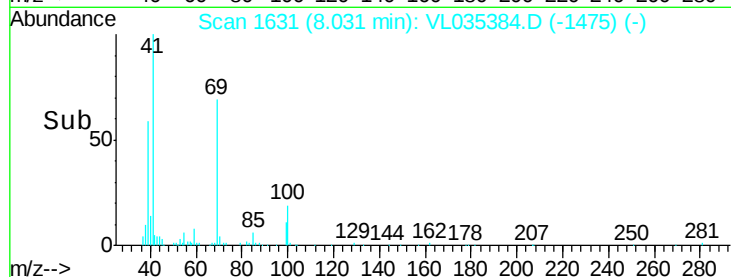
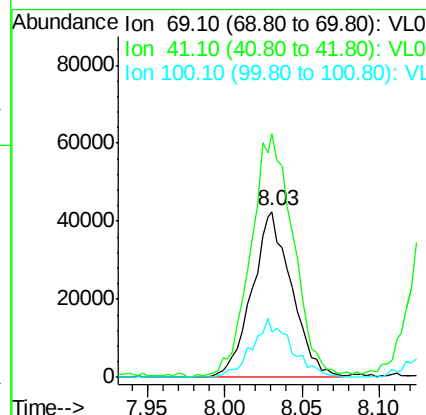
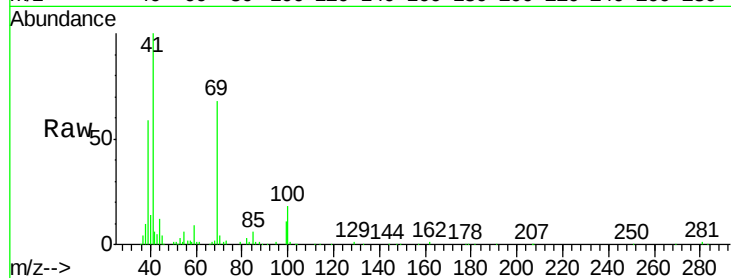
#43
Methvl Methacrilate
Concen: 0.807 ppbv
RT: 8.03 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VL035384.D
Acq: 12 Aug 2020 13:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	157.1	123.4	185.2	
100	35.1	26.7	40.1	

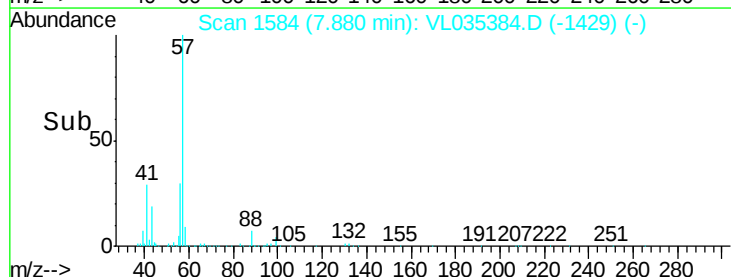
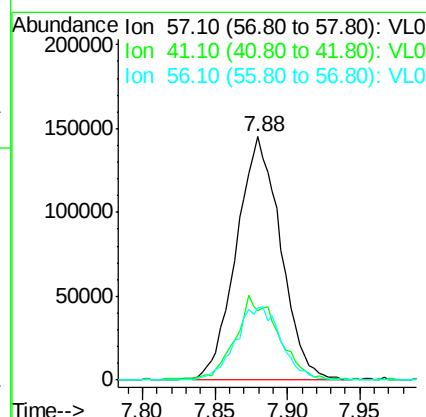
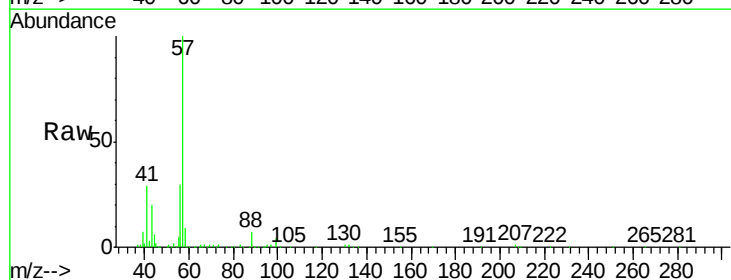
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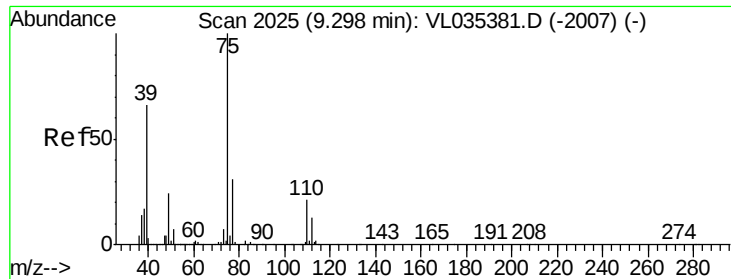
MMDadoda
8/17/2020 5:43:51 PM



#44
2,2,4-Trimethylpentane
Concen: 0.775 ppbv
RT: 7.88 min Scan# 1584
Delta R.T. -0.00 min
Lab File: VL035384.D
Acq: 12 Aug 2020 13:57

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	33.3	26.9	40.3	
56	31.5	25.6	38.4	





#45

t-1,3-Dichloropropene

Concen: 0.867 ppbv m

RT: 9.29 min Scan# 2023

Delta R.T. -0.01 min

Lab File: VL035384.D

Acq: 12 Aug 2020 13:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 75 Resp: 84223

Ion Ratio Lower Upper

75 100

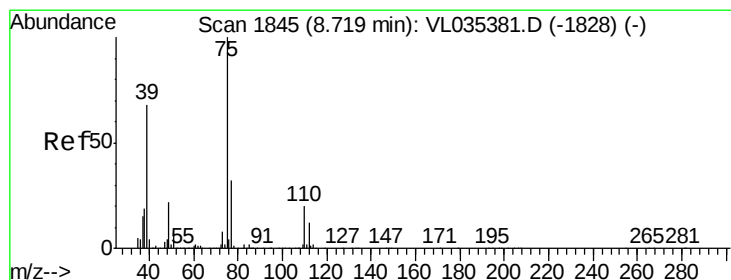
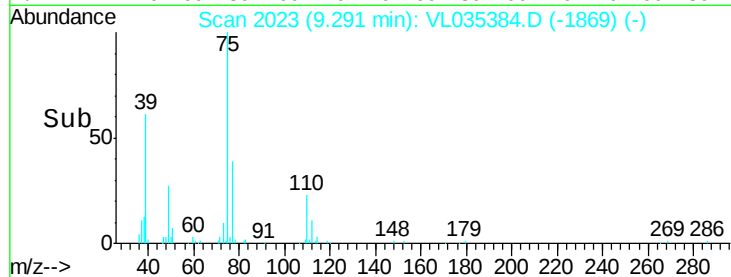
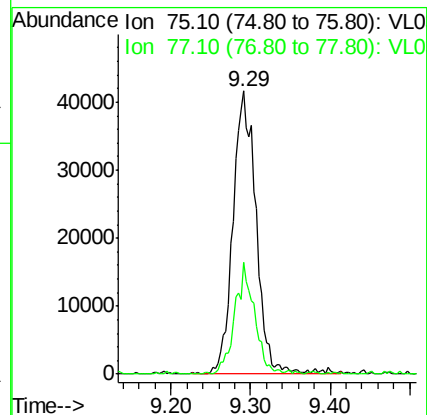
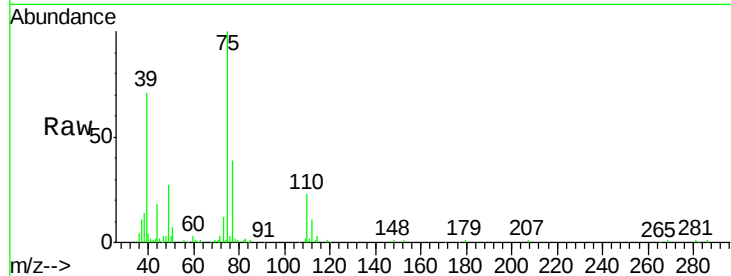
77 39.3 25.2 37.8#

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#46

cis-1,3-Dichloropropene

Concen: 0.866 ppbv m

RT: 8.71 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VL035384.D

Acq: 12 Aug 2020 13:57

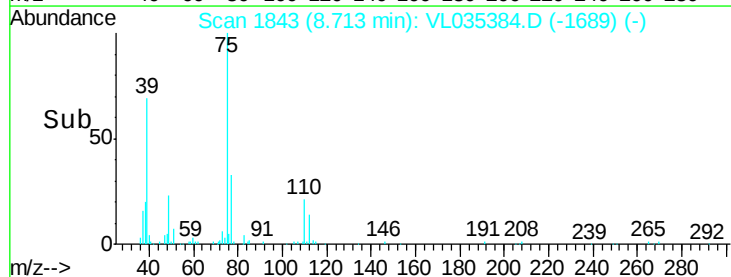
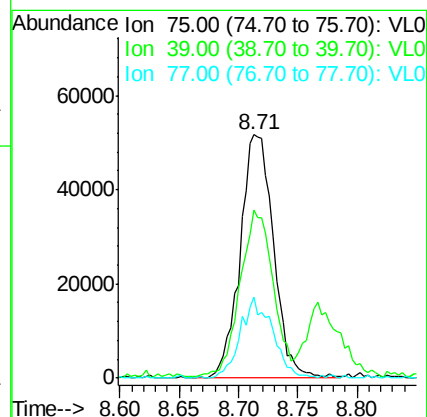
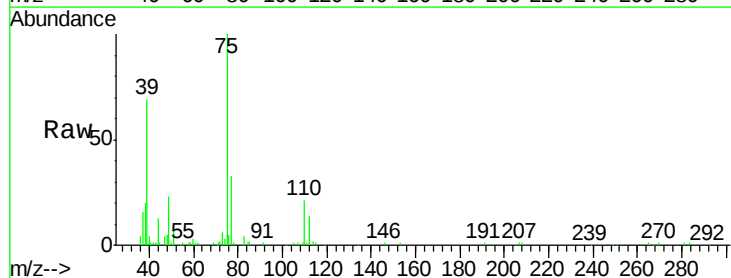
Tgt Ion: 75 Resp: 101575

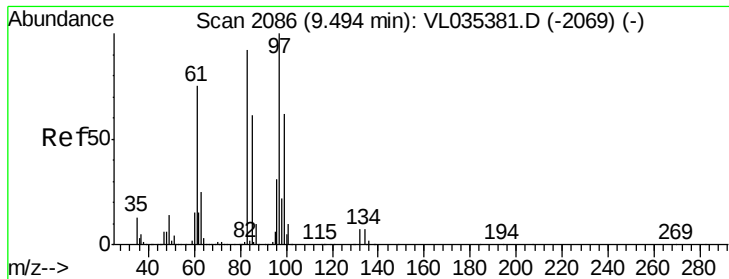
Ion Ratio Lower Upper

75 100

39 69.0 54.2 81.2

77 33.2 25.7 38.5





#47

1,1,2-Trichloroethane

Concen: 0.648 ppbv

RT: 9.49 min Scan# 2084

Delta R.T. -0.01 min

Lab File: VL035384.D

Acq: 12 Aug 2020 13:57

Instrument :

MSVOA_L

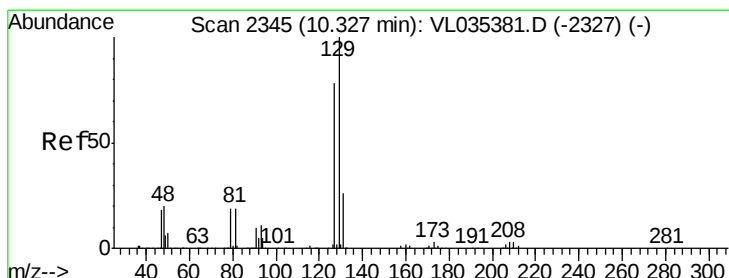
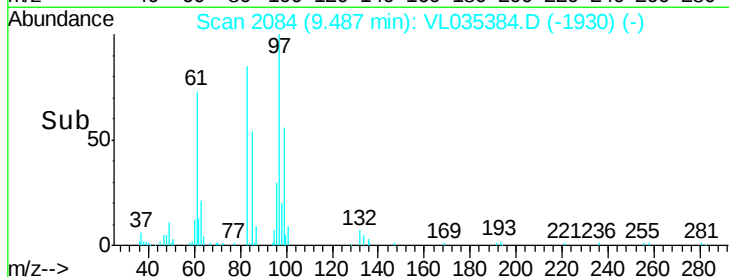
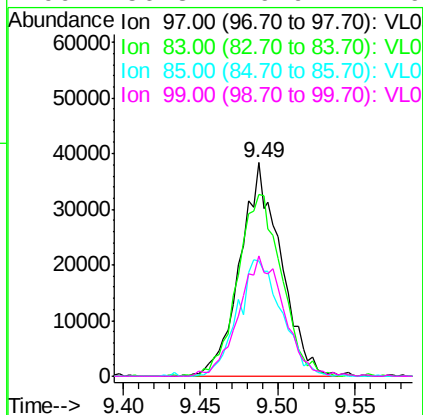
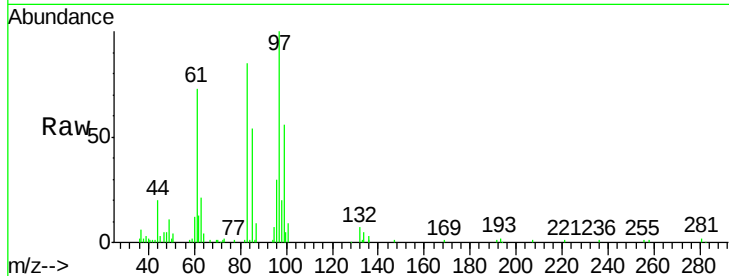
ClientSampleId :

VSTDIC0.5

Tot Ion:	97	Resp:	70242
Ion	Ratio	Lower	Upper
97	100		
83	85.1	73.9	110.9
85	53.9	49.0	73.6
99	56.3	49.9	74.9

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#48

Dibromochloromethane

Concen: 0.596 ppbv m

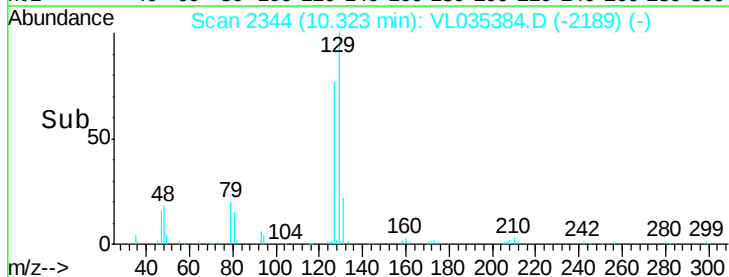
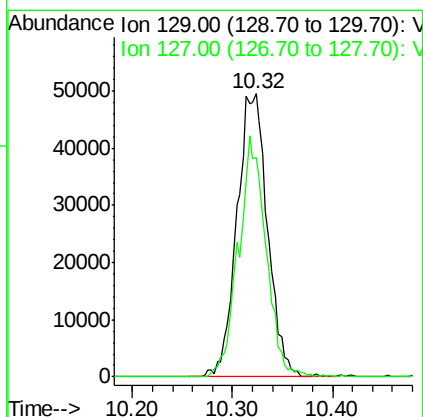
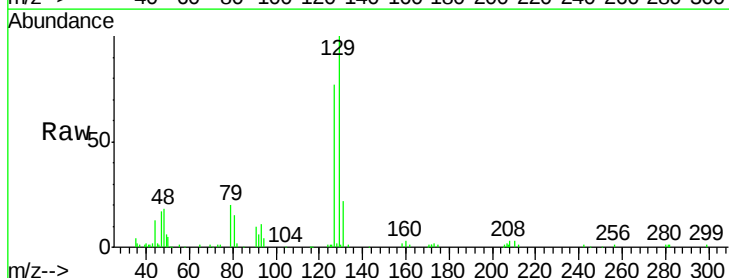
RT: 10.32 min Scan# 2344

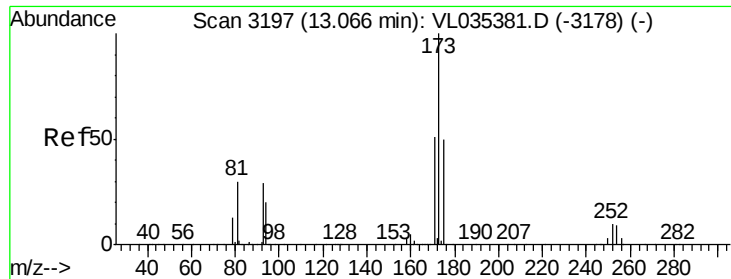
Delta R.T. -0.00 min

Lab File: VL035384.D

Acq: 12 Aug 2020 13:57

Tgt Ion:	129	Resp:	105743
Ion	Ratio	Lower	Upper
129	100		
127	76.7	39.3	117.8





#49

Bromoform

Concen: 0.498 ppbv m

RT: 13.06 min Scan# 3195

Delta R.T. -0.01 min

Lab File: VL035384.D

Acq: 12 Aug 2020 13:57

Instrument :

MSVOA_L

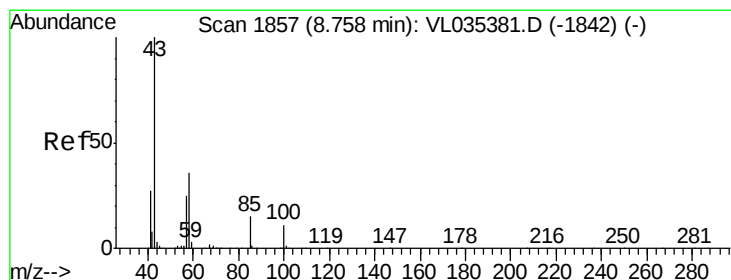
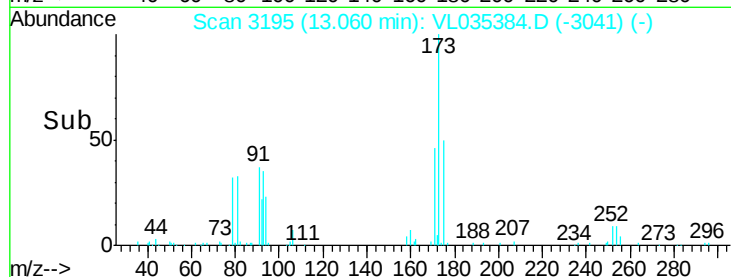
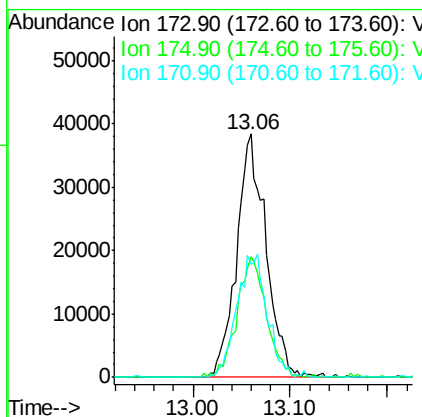
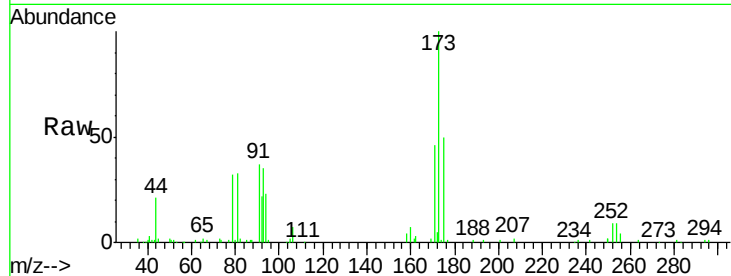
ClientSampleId :

VSTDIC0.5

Tot Ion:	173	Resp:	80531
Ion Ratio	Lower	Upper	
173	100		
175	49.6	39.9	59.9
171	0.0	41.8	62.8#

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#50

4-Methyl-2-Pentanone

Concen: 0.819 ppbv m

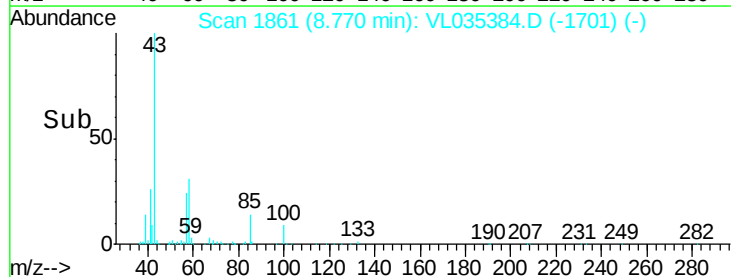
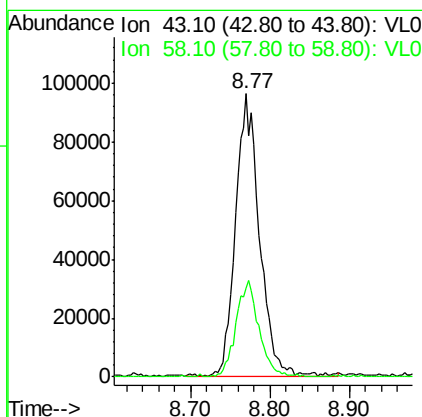
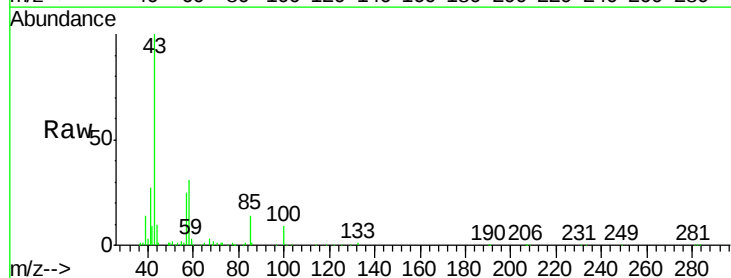
RT: 8.77 min Scan# 1861

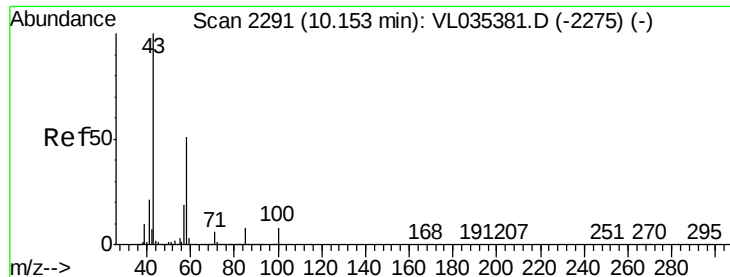
Delta R.T. 0.01 min

Lab File: VL035384.D

Acq: 12 Aug 2020 13:57

Tgt Ion:	43	Resp:	203008
Ion Ratio	Lower	Upper	
43	100		
58	0.0	29.0	43.6#





#51

2-Hexanone

Concen: 0.809 ppbv

RT: 10.17 min Scan# 2296

Delta R.T. 0.02 min

Lab File: VL035384.D

Acq: 12 Aug 2020 13:57

Instrument :

MSVOA_L

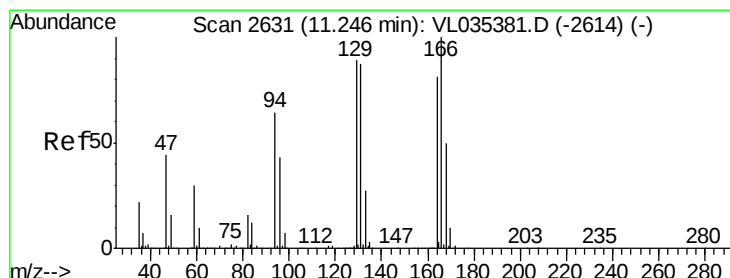
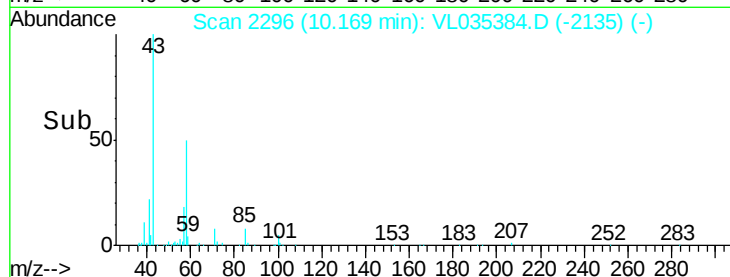
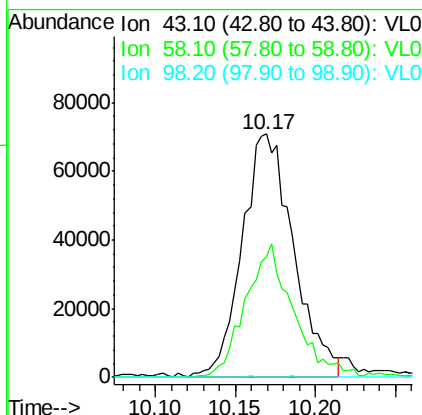
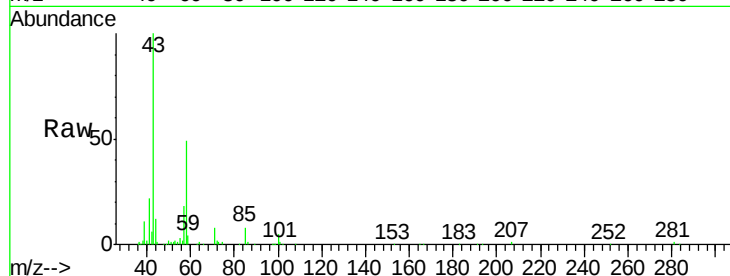
ClientSampleId :

VSTDIC0.5

Tot Ion:	43	Resp:	157065
Ion Ratio		Lower	Upper
43	100		
58	51.9	39.5	59.3
98	0.3	0.1	0.1#

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#52

Tetrachloroethene

Concen: 0.653 ppbv m

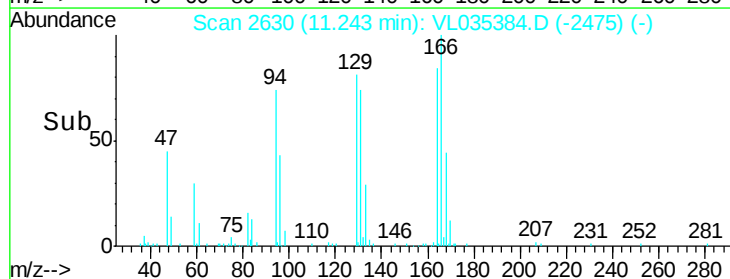
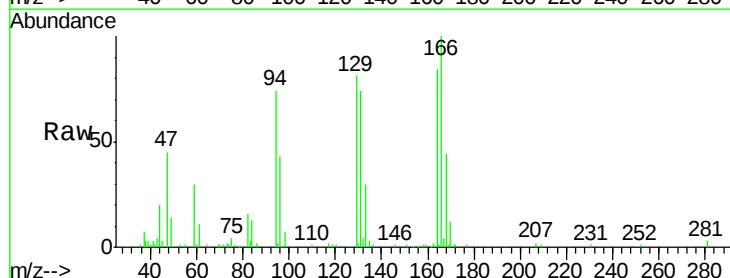
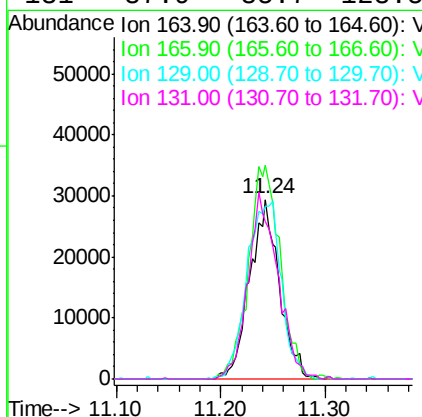
RT: 11.24 min Scan# 2630

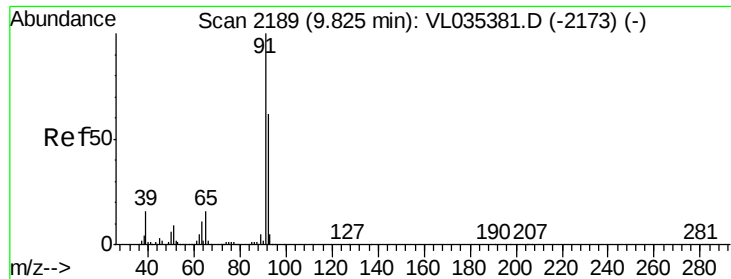
Delta R.T. -0.00 min

Lab File: VL035384.D

Acq: 12 Aug 2020 13:57

Tgt Ion:	164	Resp:	57601
Ion Ratio		Lower	Upper
164	100		
166	118.8	98.2	147.2
129	96.0	87.3	130.9
131	87.9	85.7	128.5





#53

Toluene

Concen: 0.887 ppbv

RT: 9.82 min Scan# 2187

Delta R.T. -0.01 min

Lab File: VL035384.D

Acq: 12 Aug 2020 13:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 91 Resp: 214638

Ion Ratio Lower Upper

91 100

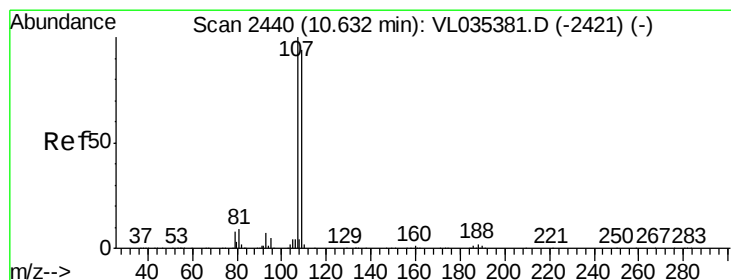
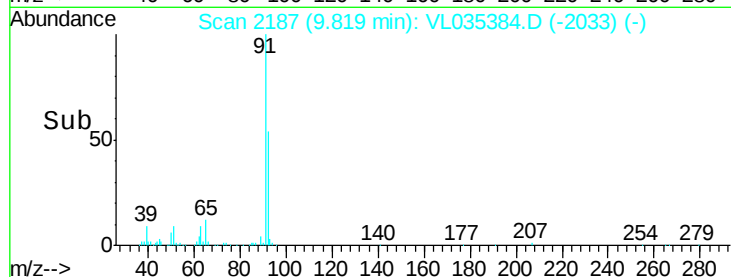
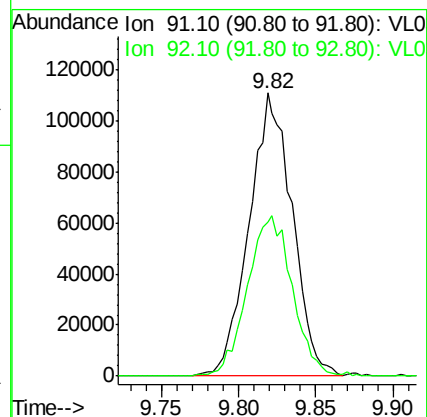
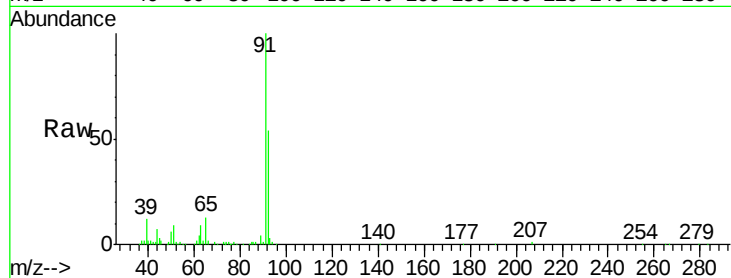
92 59.2 49.1 73.7

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#54

1,2-Dibromoethane

Concen: 0.719 ppbv

RT: 10.63 min Scan# 2438

Delta R.T. -0.01 min

Lab File: VL035384.D

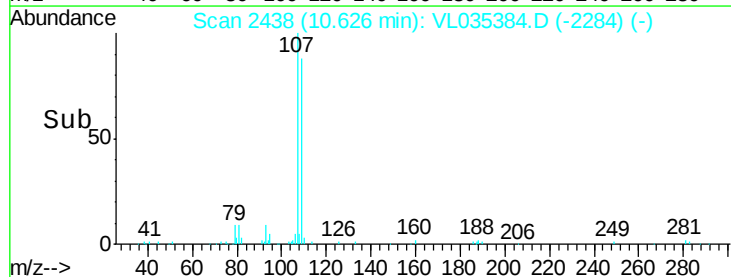
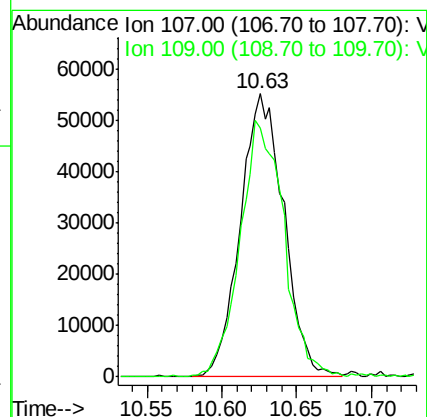
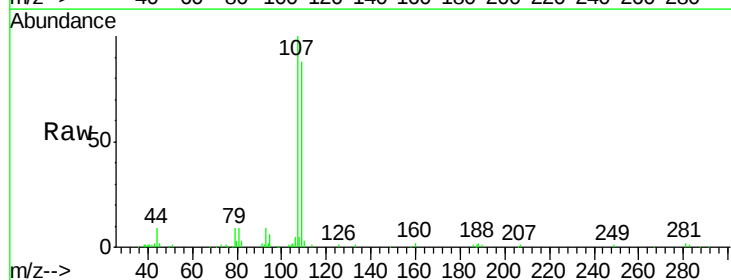
Acq: 12 Aug 2020 13:57

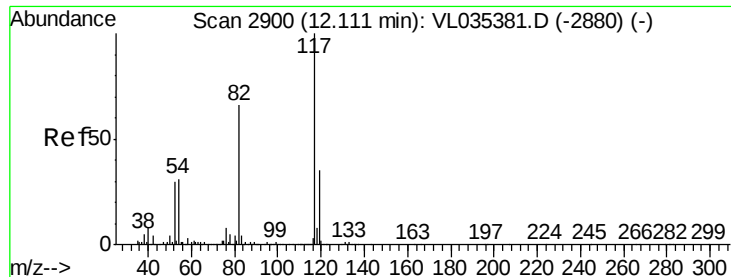
Tgt Ion: 107 Resp: 111773

Ion Ratio Lower Upper

107 100

109 87.1 75.2 112.8





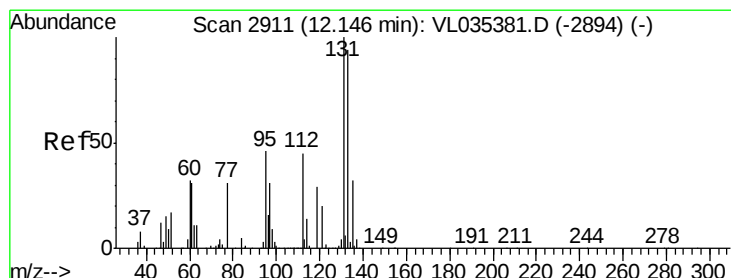
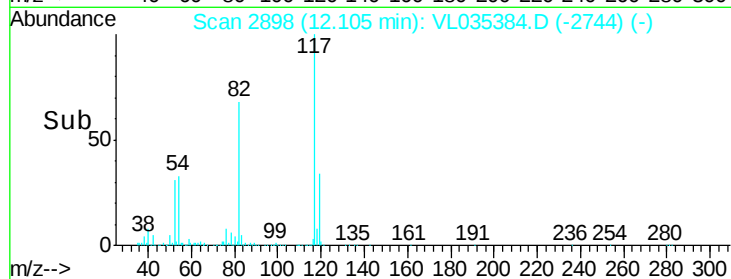
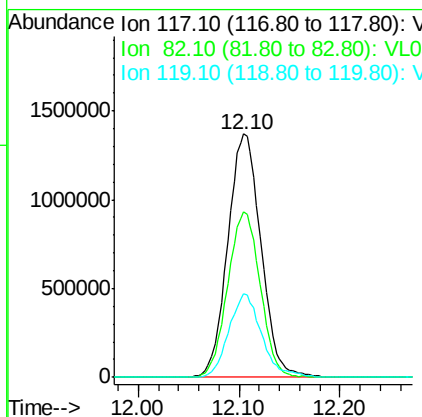
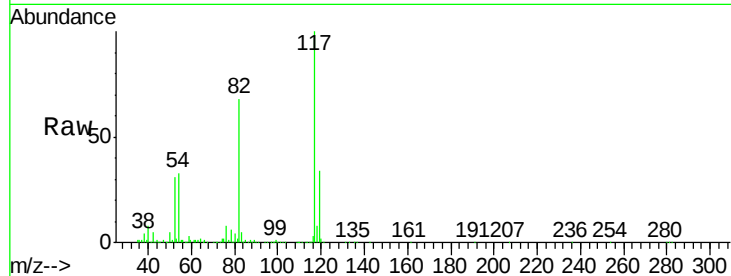
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2898
Delta R.T. -0.01 min
Lab File: VL035384.D
Acq: 12 Aug 2020 13:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
117	100		
82	67.0	53.0	79.6
119	34.1	25.7	38.5

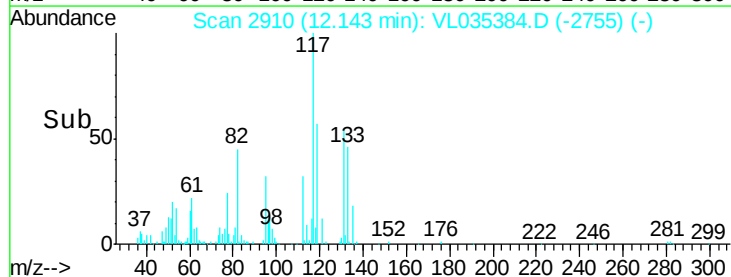
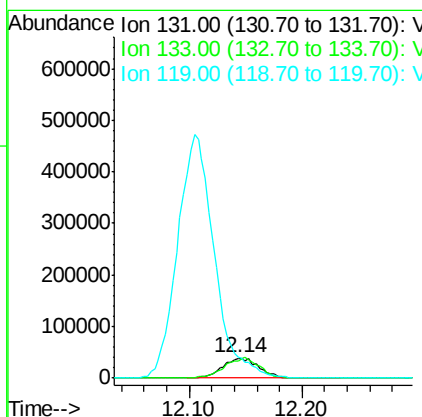
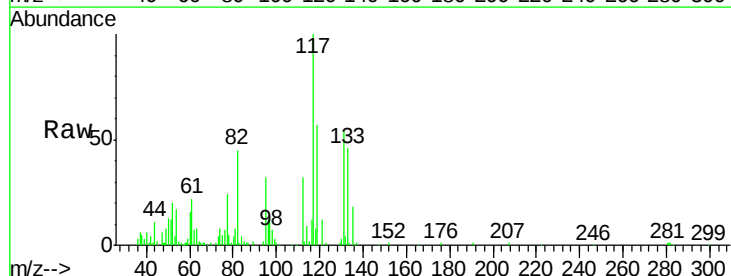
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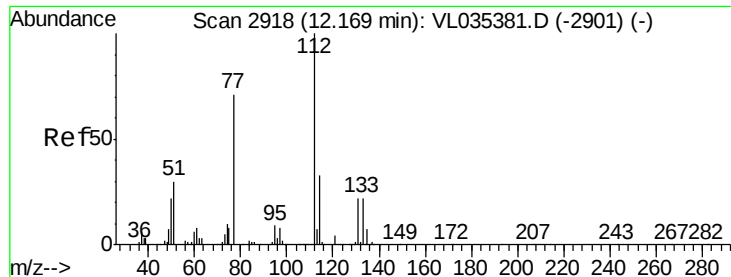
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#56
1,1,1,2-Tetrachloroethane
Concen: 0.585 ppbv m
RT: 12.14 min Scan# 2910
Delta R.T. -0.00 min
Lab File: VL035384.D
Acq: 12 Aug 2020 13:57

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.2	76.1	114.1
119	0.0	47.0	70.4#





#57

Chlorobenzene

Concen: 0.655 ppbv

RT: 12.17 min Scan# 2917

Delta R.T. -0.00 min

Lab File: VL035384.D

Acq: 12 Aug 2020 13:57

Instrument :

MSVOA_L

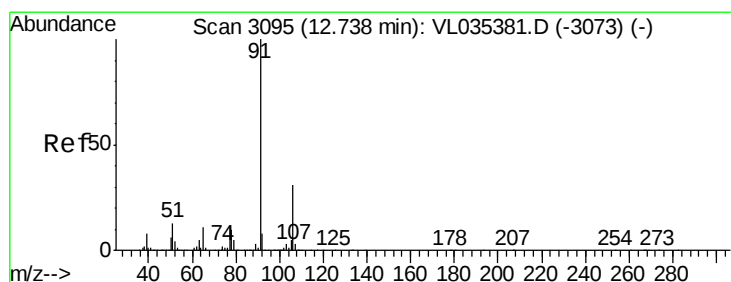
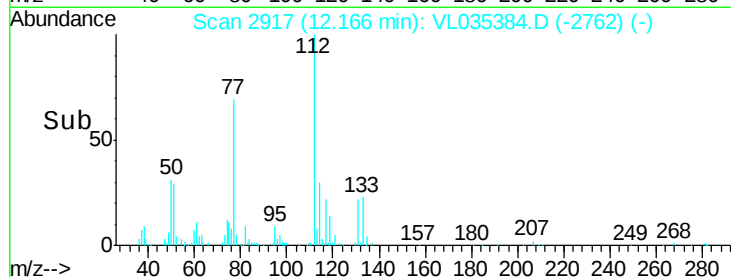
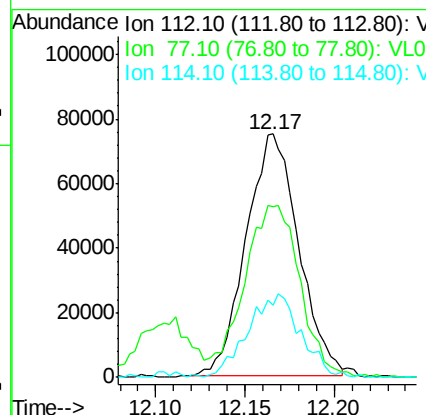
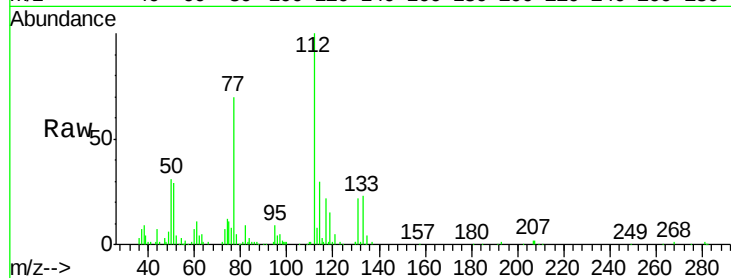
ClientSampleId :

VSTDIC0.5

Tot Ion:	112	Resp:	154667
Ion Ratio	Lower	Upper	
112	100		
77	67.9	57.6	86.4
114	28.6	30.0	36.6#

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#58

Ethyl Benzene

Concen: 0.877 ppbv

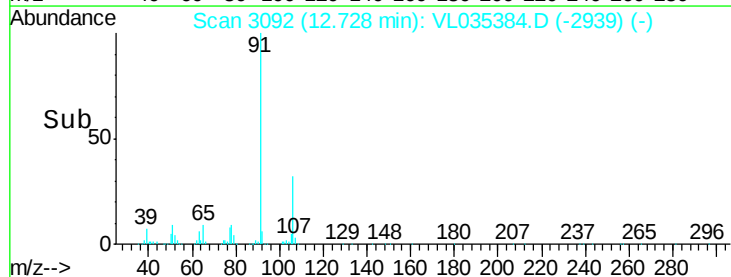
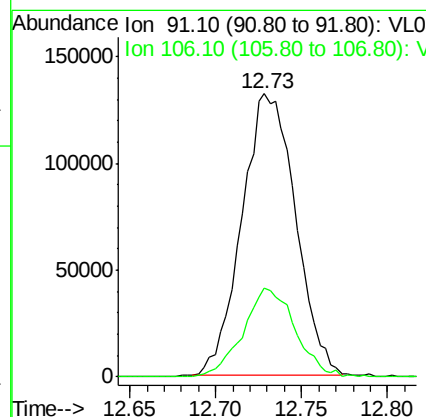
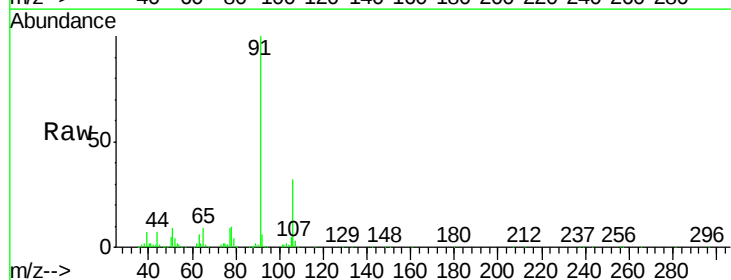
RT: 12.73 min Scan# 3092

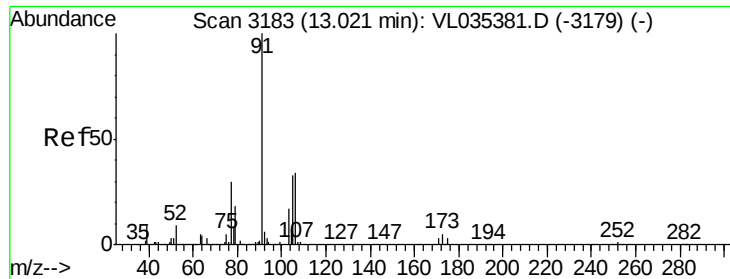
Delta R.T. -0.01 min

Lab File: VL035384.D

Acq: 12 Aug 2020 13:57

Tgt Ion:	91	Resp:	286095
Ion Ratio	Lower	Upper	
91	100		
106	31.7	25.1	37.7





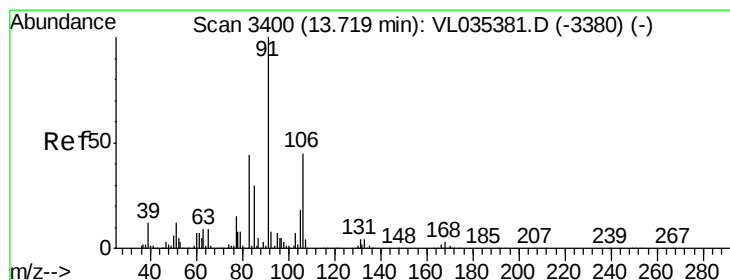
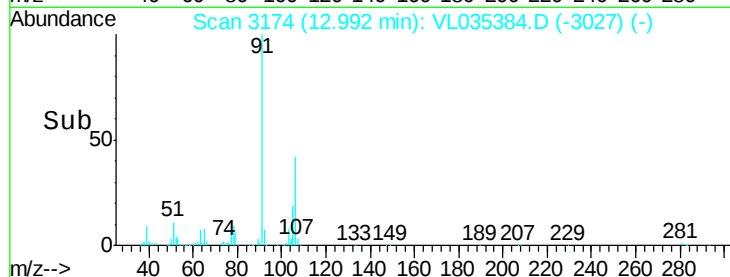
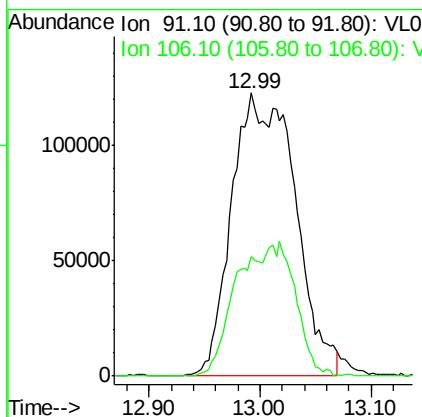
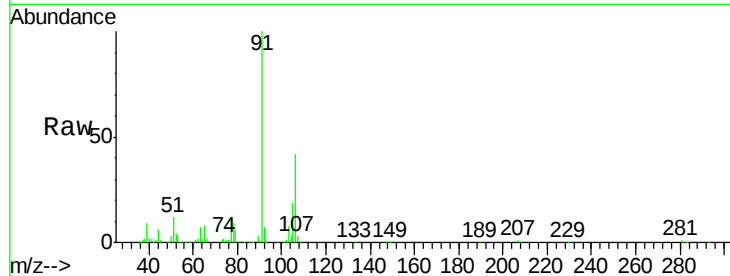
#59
m/p-Xylene
Concen: 1.595 ppbv m
RT: 12.99 min Scan# 3174
Delta R.T. -0.03 min
Lab File: VL035384.D
Acq: 12 Aug 2020 13:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion: 91 Resp: 484721
Ion Ratio Lower Upper
91 100
106 44.1 36.7 55.1

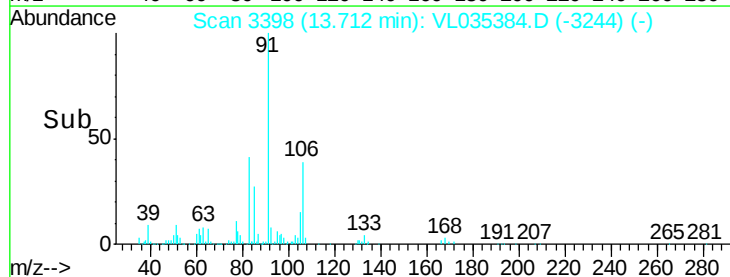
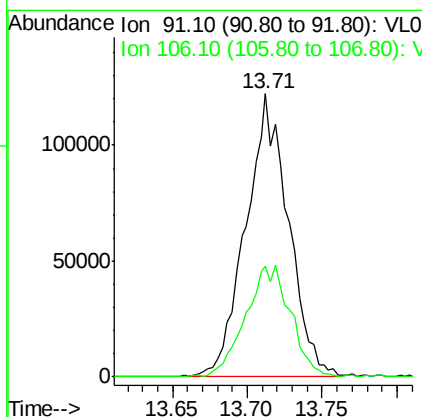
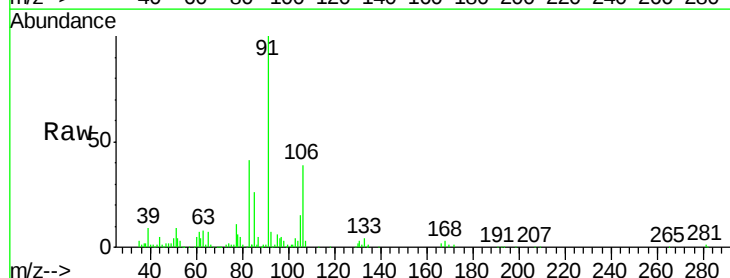
Manual Integrations
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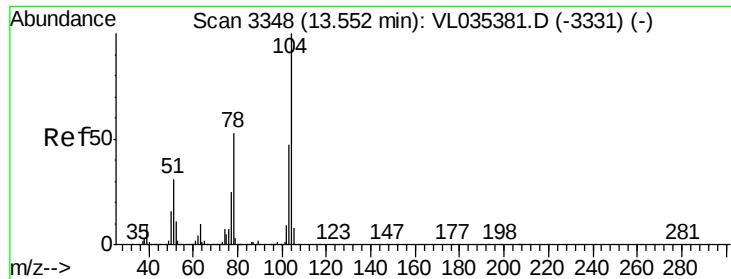
MMDadoda
8/17/2020 5:43:51 PM



#60
o-Xylene
Concen: 0.796 ppbv
RT: 13.71 min Scan# 3398
Delta R.T. -0.01 min
Lab File: VL035384.D
Acq: 12 Aug 2020 13:57

Tgt Ion: 91 Resp: 240103
Ion Ratio Lower Upper
91 100
106 42.2 22.2 66.6





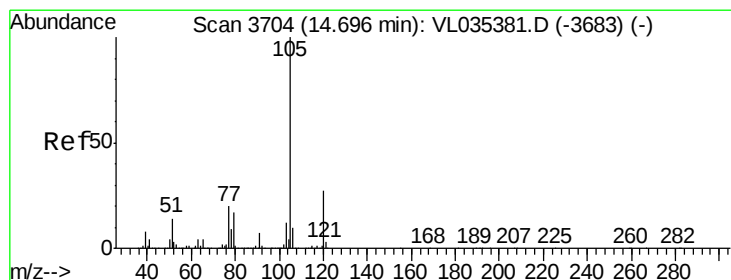
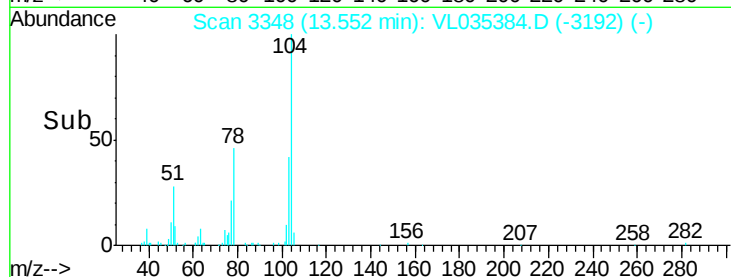
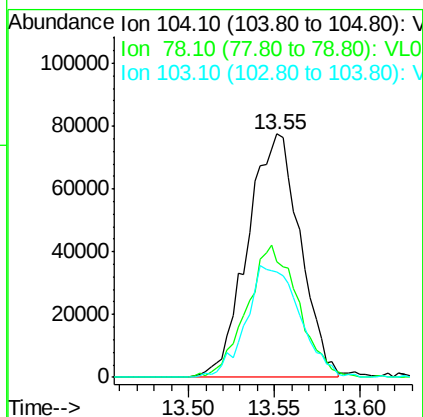
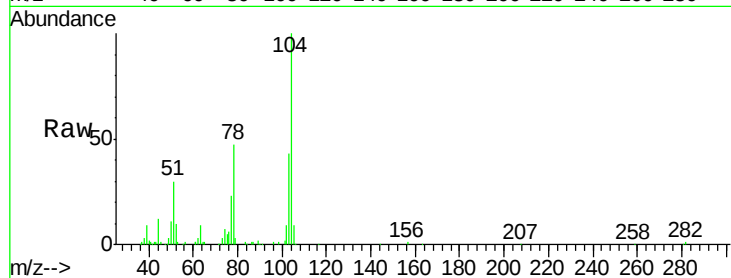
#61
Stvrene
Concen: 0.892 ppbv
RT: 13.55 min Scan# 3348
Delta R.T. 0.00 min
Lab File: VL035384.D
Acq: 12 Aug 2020 13:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
104	100		
78	53.2	43.0	64.4
103	46.9	37.9	56.9

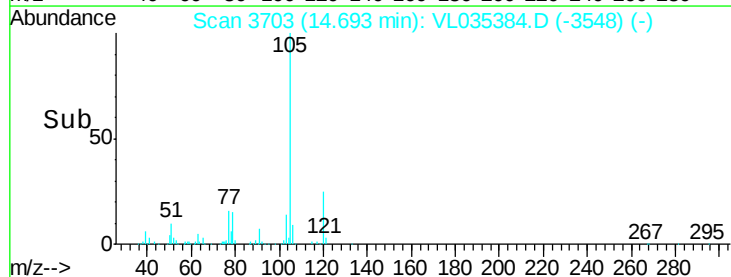
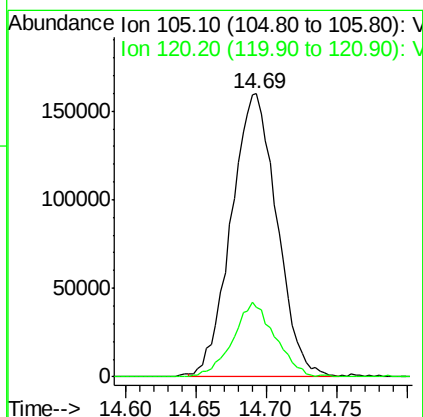
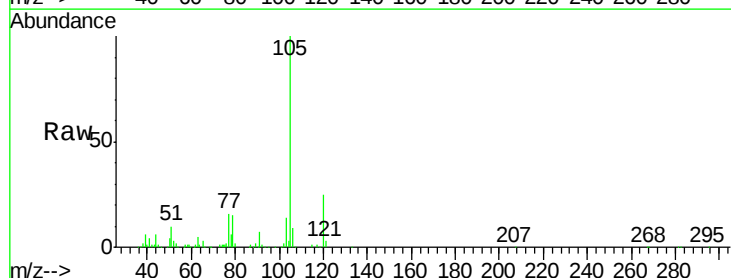
Manual Integrations
APPROVED

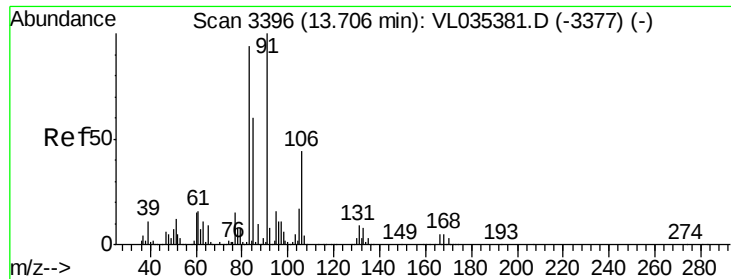
MMDadoda
8/17/2020 5:43:51 PM



#62
Isopropylbenzene
Concen: 0.789 ppbv
RT: 14.69 min Scan# 3703
Delta R.T. -0.00 min
Lab File: VL035384.D
Acq: 12 Aug 2020 13:57

Tgt Ion	Ratio	Lower	Upper
105	100		
120	24.8	21.1	31.7





#63

1,1,2,2-Tetrachloroethane

Concen: 0.631 ppbv

RT: 13.70 min Scan# 3393

Delta R.T. -0.01 min

Lab File: VL035384.D

Acq: 12 Aug 2020 13:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 83 Resp: 162200

Ion Ratio Lower Upper

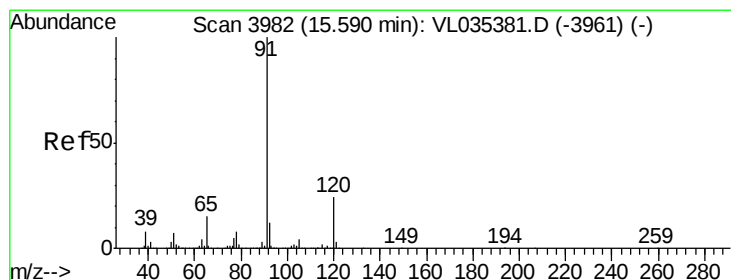
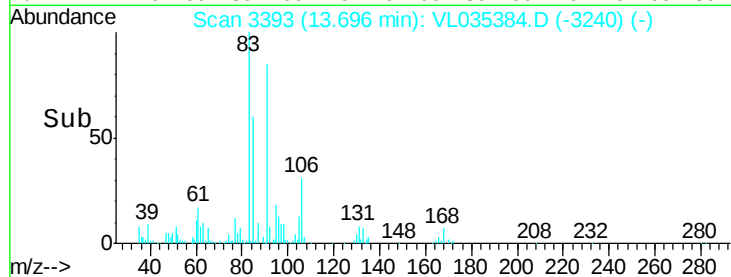
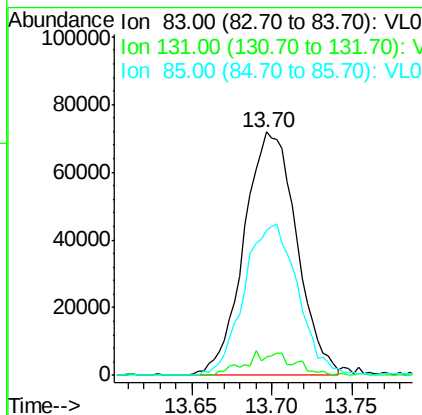
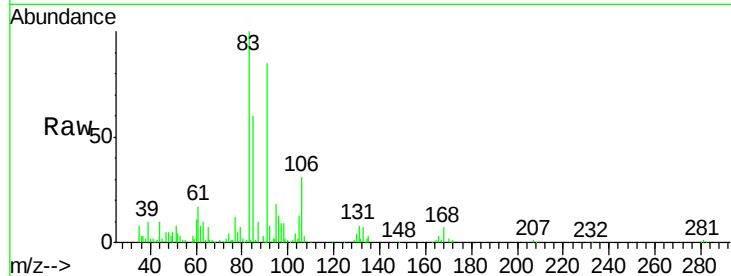
83 100

131 8.5 4.5 13.7

85 64.1 32.4 97.0

Manual Integrations
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#64

n-propylbenzene

Concen: 0.754 ppbv

RT: 15.59 min Scan# 3981

Delta R.T. -0.00 min

Lab File: VL035384.D

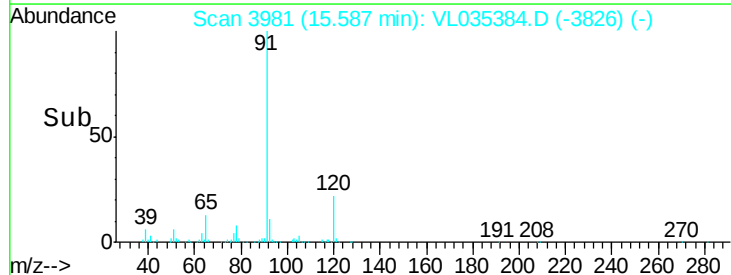
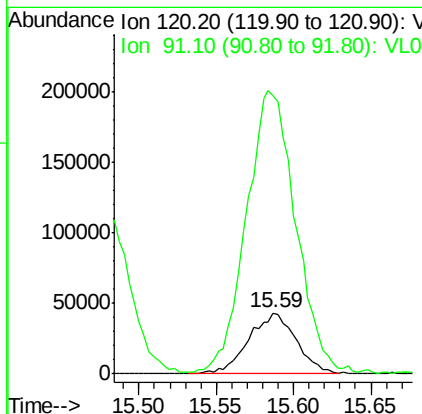
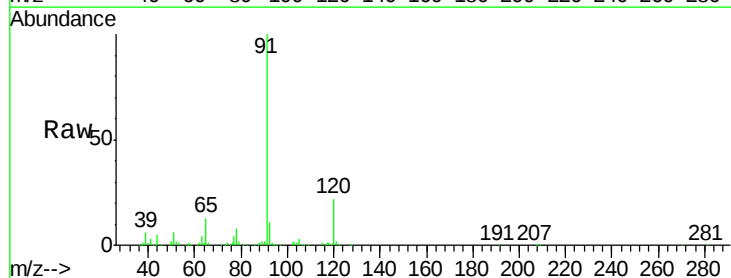
Acq: 12 Aug 2020 13:57

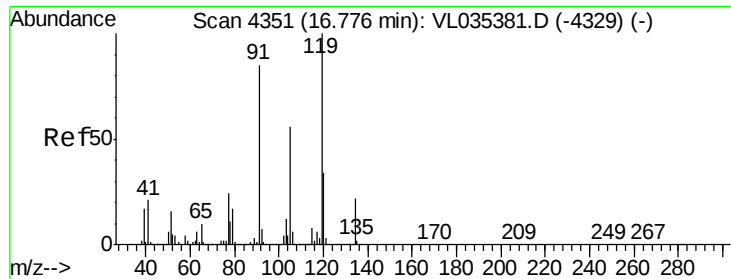
Tgt Ion: 120 Resp: 92012

Ion Ratio Lower Upper

120 100

91 483.3 356.2 534.4





#65

tert-Butylbenzene

Concen: 0.765 ppbv

RT: 16.77 min Scan# 4349

Delta R.T. -0.01 min

Lab File: VL035384.D

Acq: 12 Aug 2020 13:57

Instrument :

MSVOA_L

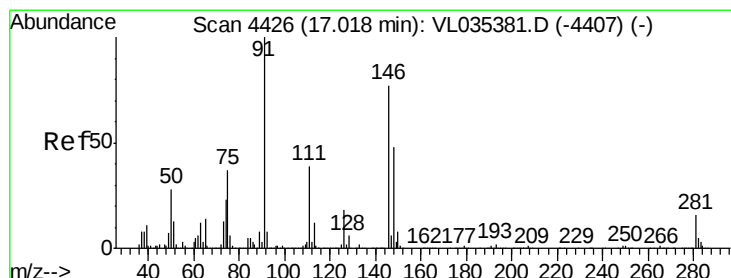
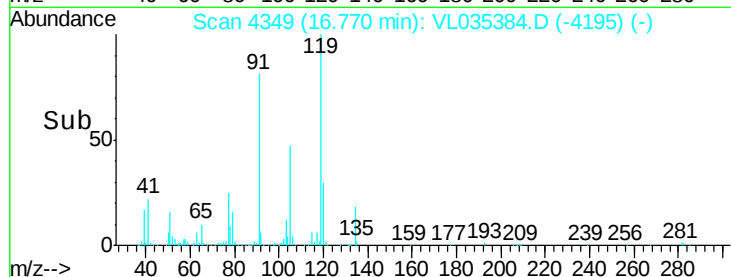
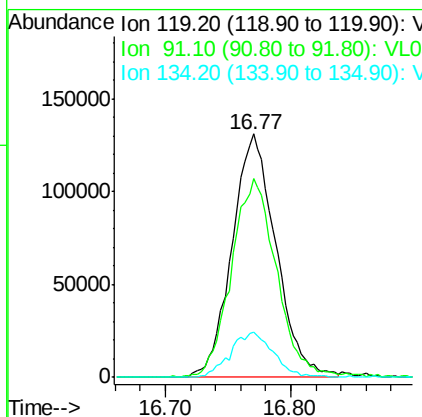
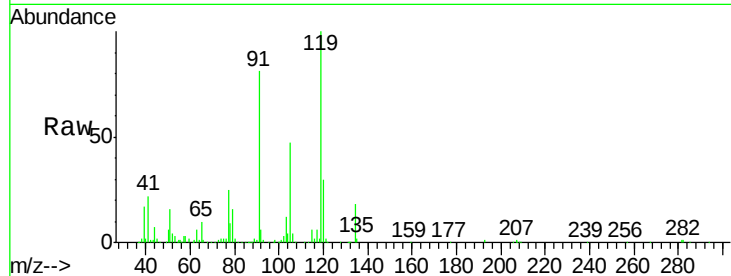
ClientSampleId :

VSTDIC0.5

Tot Ion:	119	Resp:	317914
Ion Ratio	Lower	Upper	
119	100		
91	84.8	68.2	102.4
134	18.6	16.2	24.4

Manual Integrations
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#66

Benzyl Chloride

Concen: 0.699 ppbv

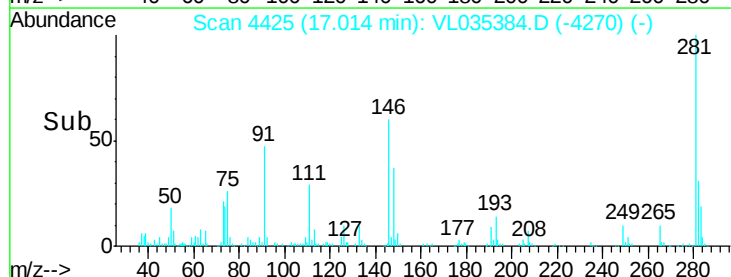
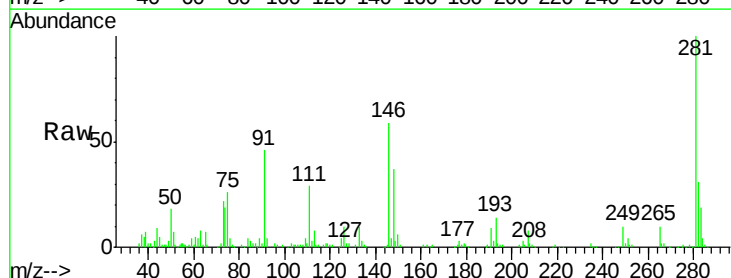
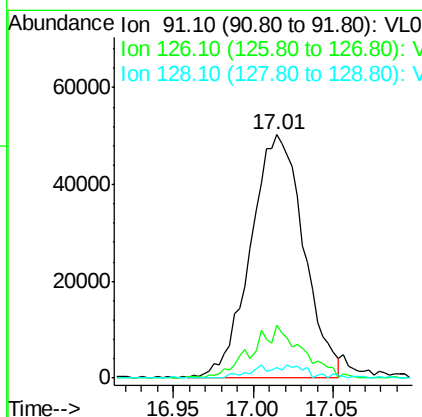
RT: 17.01 min Scan# 4425

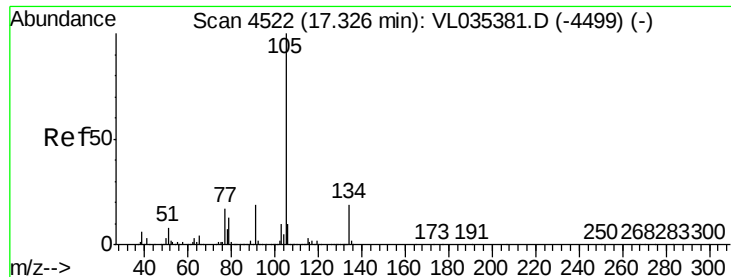
Delta R.T. -0.00 min

Lab File: VL035384.D

Acq: 12 Aug 2020 13:57

Tgt Ion:	91	Resp:	114969
Ion Ratio	Lower	Upper	
91	100		
126	20.7	14.4	21.6
128	5.4	4.6	7.0





#67

sec-Butylbenzene

Concen: 0.769 ppbv

RT: 17.32 min Scan# 4521

Delta R.T. -0.00 min

Lab File: VL035384.D

Acq: 12 Aug 2020 13:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 105 Resp: 452245

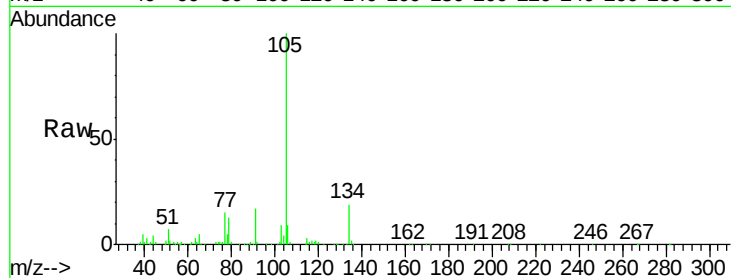
Ion Ratio Lower Upper

105 100

134 17.5 15.0 22.6

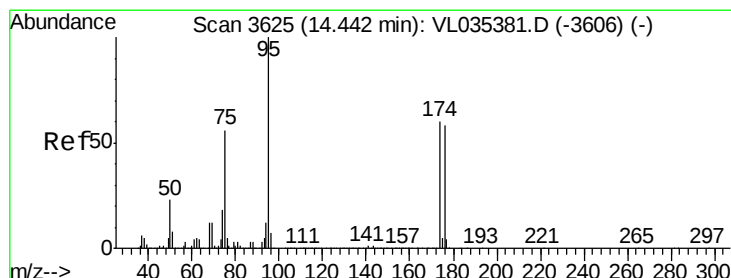
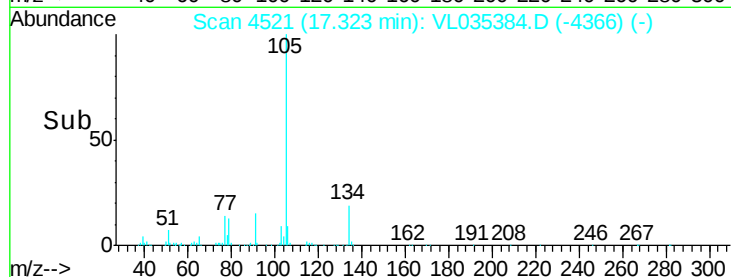
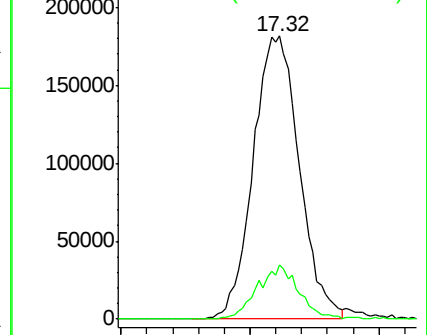
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.862 ppbv

RT: 14.44 min Scan# 3624

Delta R.T. -0.00 min

Lab File: VL035384.D

Acq: 12 Aug 2020 13:57

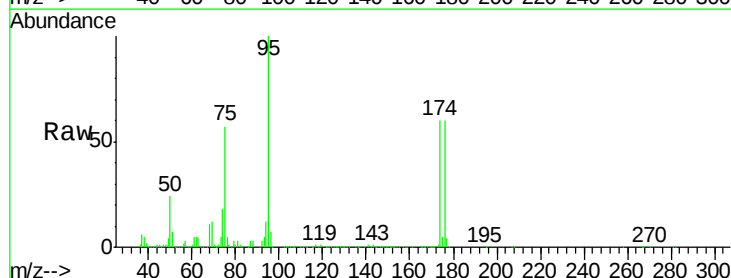
Tgt Ion: 95 Resp: 2578936

Ion Ratio Lower Upper

95 100

174 59.6 48.2 72.2

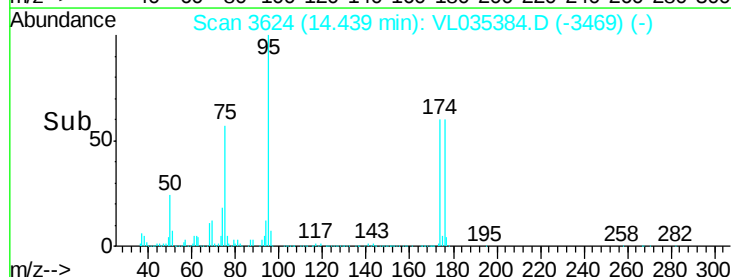
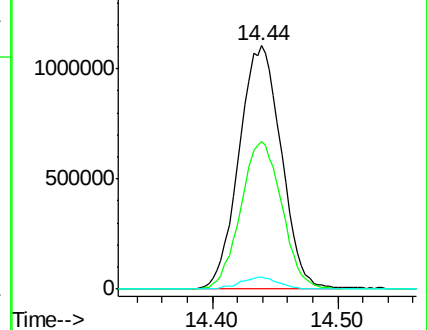
175 4.6 3.7 5.5

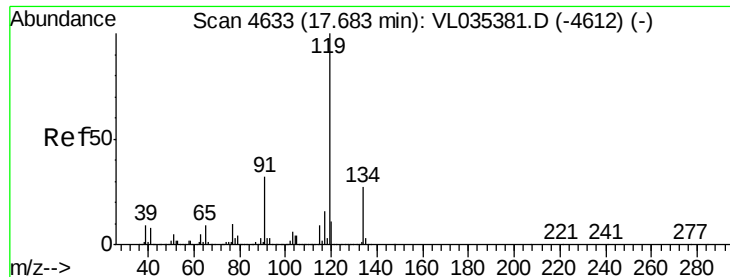


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





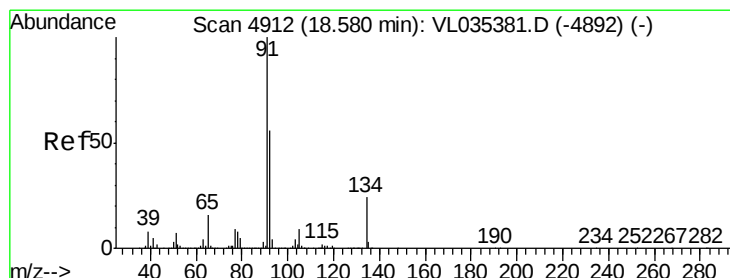
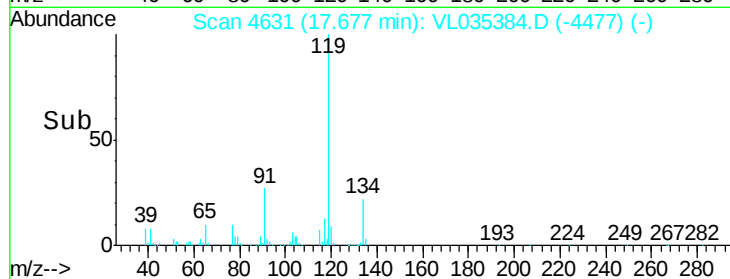
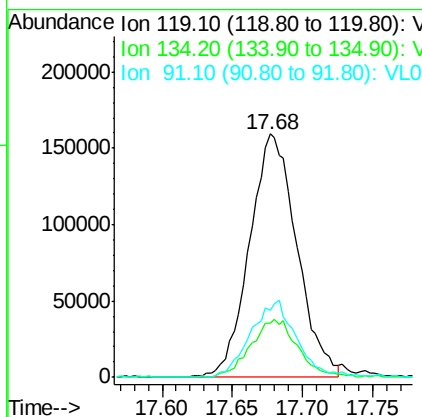
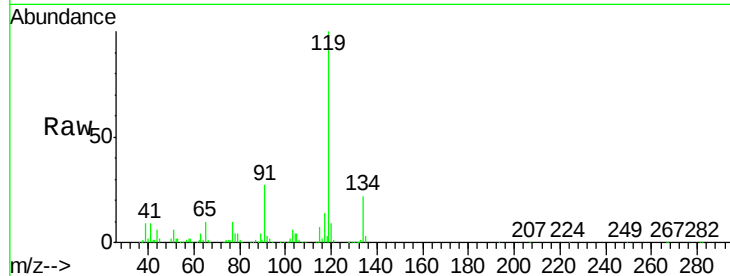
#69
 p-Isopropyltoluene
 Concen: 0.777 ppbv
 RT: 17.68 min Scan# 4631
 Delta R.T. -0.01 min
 Lab File: VL035384.D
 Acq: 12 Aug 2020 13:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Resp	Lower	Upper
119	100	372595		
134	23.8	20.9	31.3	
91	31.3	25.3	37.9	

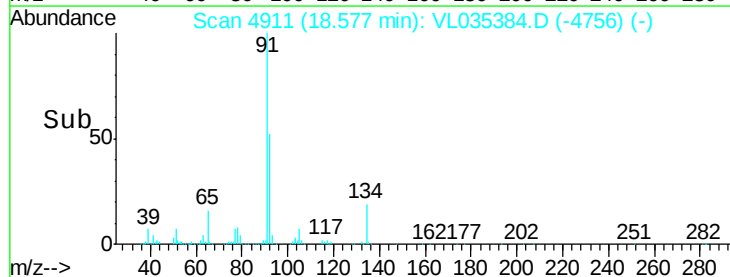
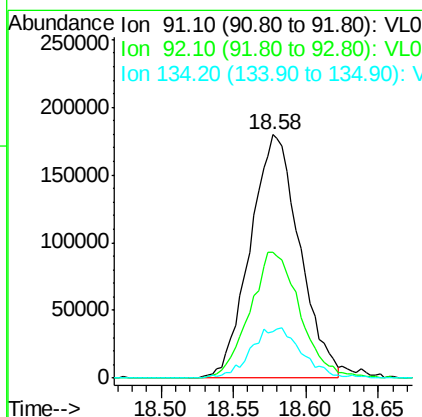
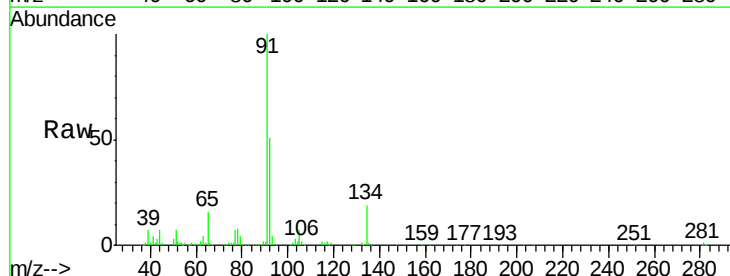
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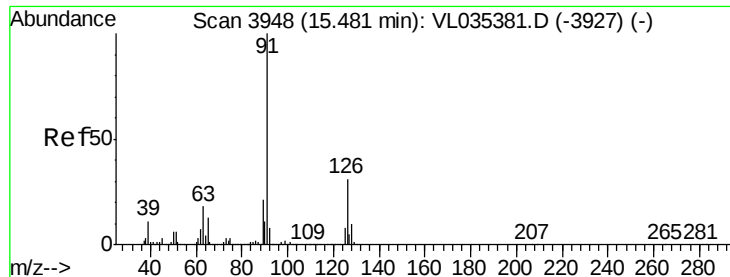
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#70
 n-Butylbenzene
 Concen: 0.827 ppbv
 RT: 18.58 min Scan# 4911
 Delta R.T. -0.00 min
 Lab File: VL035384.D
 Acq: 12 Aug 2020 13:57

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	424031		
92	52.9	45.0	67.6	
134	21.4	18.8	28.2	





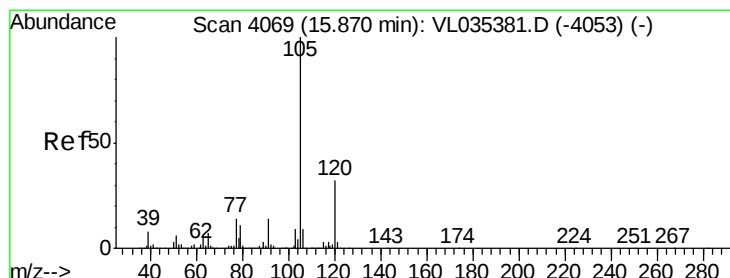
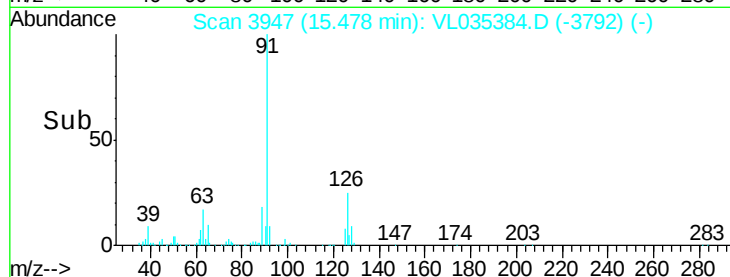
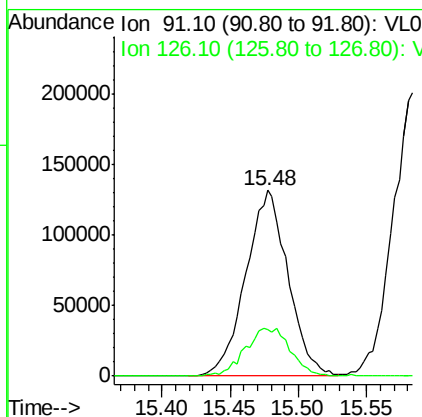
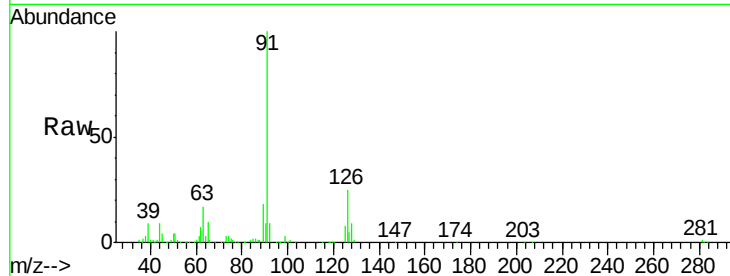
#71
2-Chlorotoluene
Concen: 0.852 ppbv
RT: 15.48 min Scan# 3947
Delta R.T. -0.00 min
Lab File: VL035384.D
Acq: 12 Aug 2020 13:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
91	100		
126	27.5	12.1	48.3

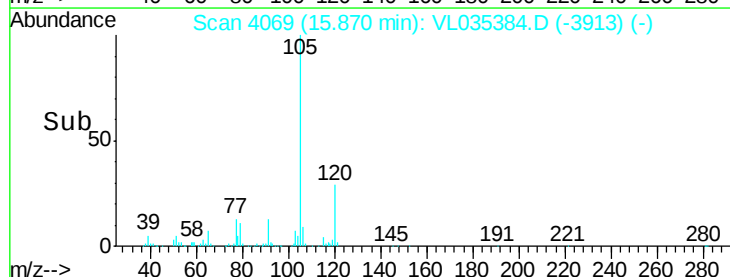
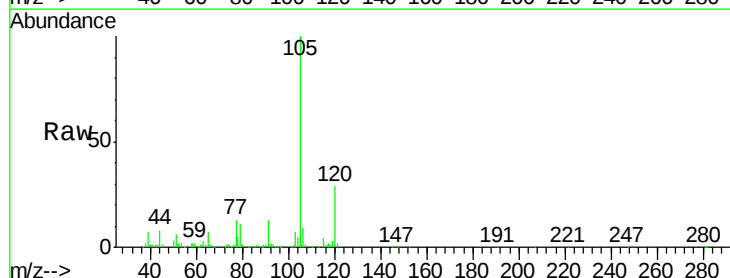
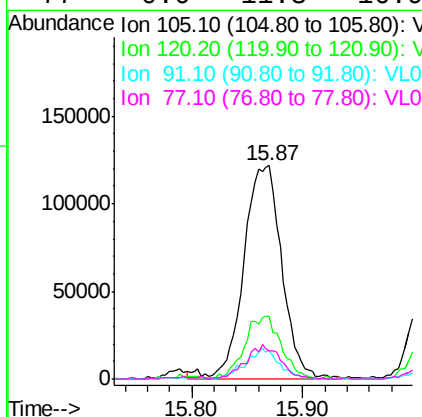
Manual Integrations
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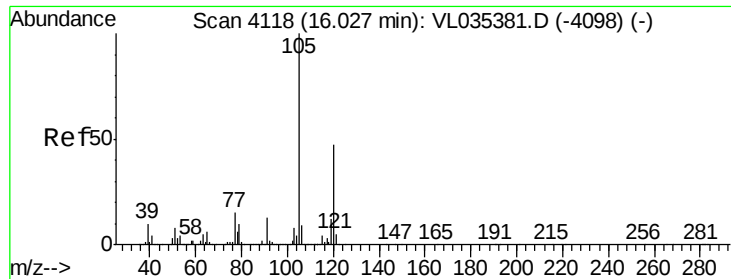
MMDadoda
8/17/2020 5:43:51 PM



#72
4-Ethyltoluene
Concen: 0.844 ppbv m
RT: 15.87 min Scan# 4069
Delta R.T. 0.00 min
Lab File: VL035384.D
Acq: 12 Aug 2020 13:57

Tgt Ion	Ratio	Lower	Upper
105	100		
120	0.0	24.0	36.0#
91	0.0	10.4	15.6#
77	0.0	11.3	16.9#





#73

1,3,5-Trimethylbenzene

Concen: 0.808 ppbv

RT: 16.02 min Scan# 4115

Delta R.T. -0.01 min

Lab File: VL035384.D

Acq: 12 Aug 2020 13:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion:105 Resp: 266412

Ion Ratio Lower Upper

105 100

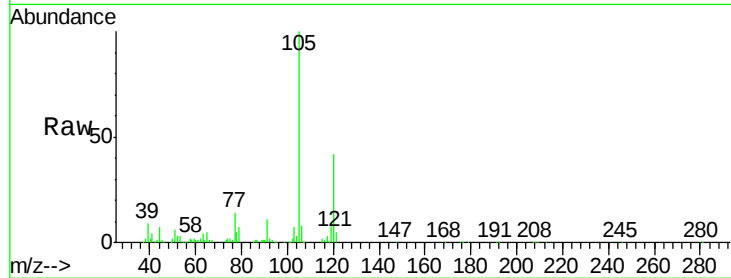
120 42.2 37.4 56.0

Manual Integrations

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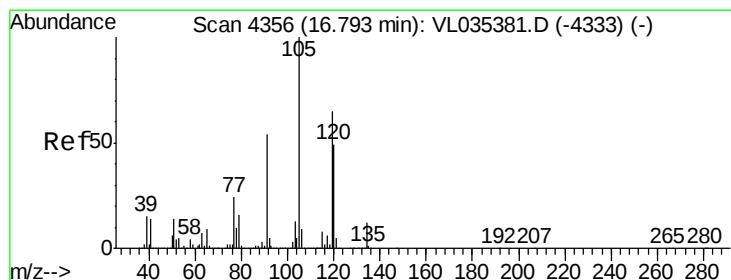
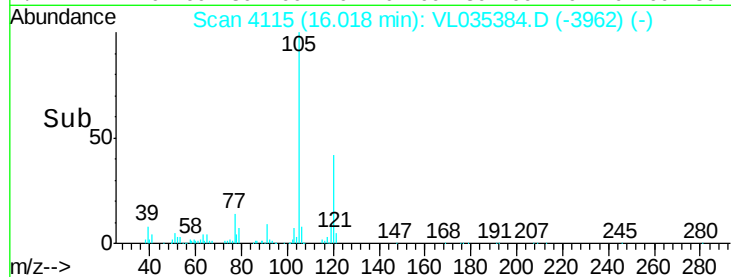
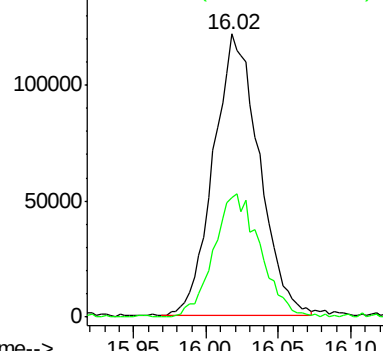
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 0.770 ppbv

RT: 16.78 min Scan# 4353

Delta R.T. -0.01 min

Lab File: VL035384.D

Acq: 12 Aug 2020 13:57

Tgt Ion:105 Resp: 290230

Ion Ratio Lower Upper

105 100

120 45.4 39.1 58.7

91 53.4 43.7 65.5

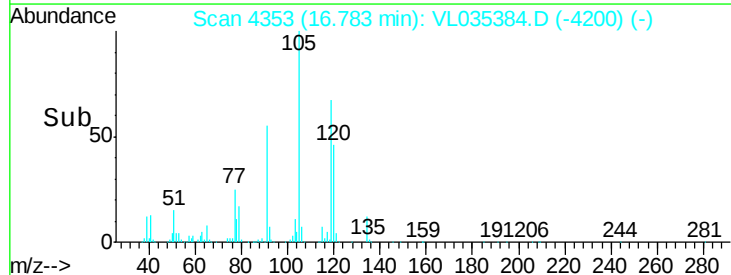
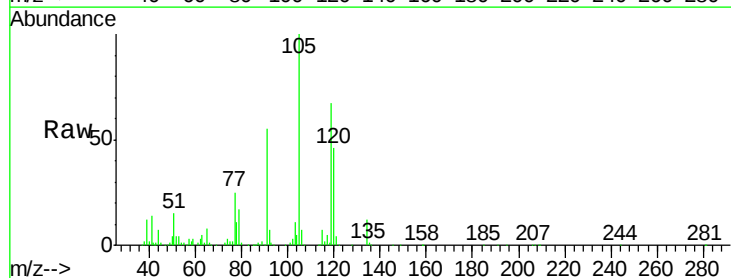
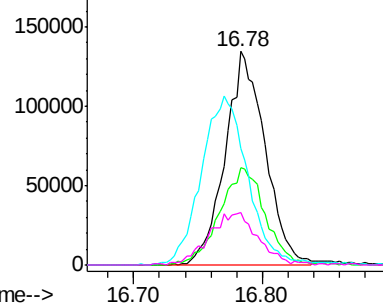
77 24.1 19.0 28.6

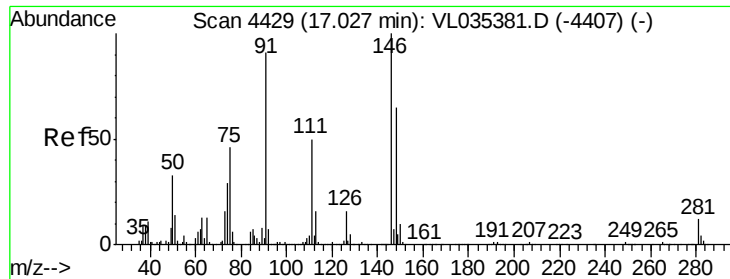
Abundance Ion 105.10 (104.80 to 105.80): V

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





#75

1,3-Dichlorobenzene

Concen: 0.626 ppbv

RT: 17.02 min Scan# 4427

Delta R.T. -0.01 min

Lab File: VL035384.D

Acq: 12 Aug 2020 13:57

Instrument :

MSVOA_L

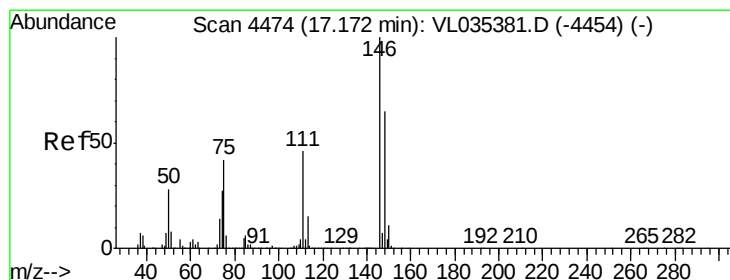
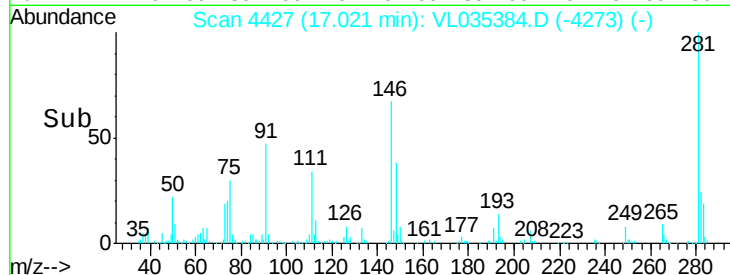
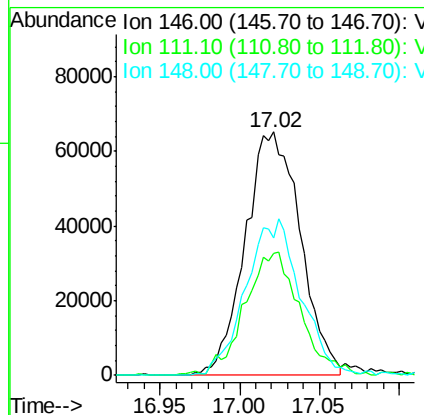
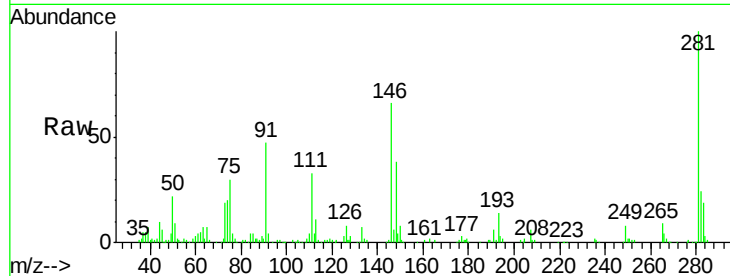
ClientSampleId :

VSTDIC0.5

Tot Ion:	146	Resp:	154379
Ion Ratio	Lower	Upper	
146	100		
111	51.6	25.0	75.0
148	64.4	32.6	97.7

Manual Integrations
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#76

1,4-Dichlorobenzene

Concen: 0.678 ppbv

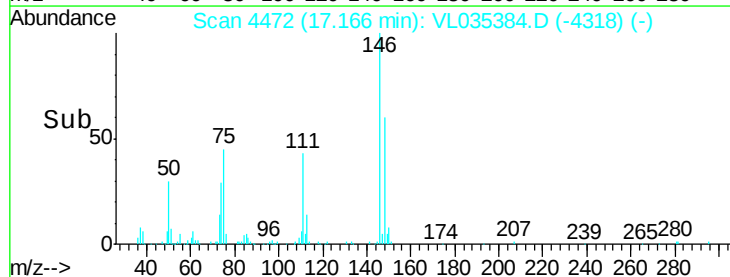
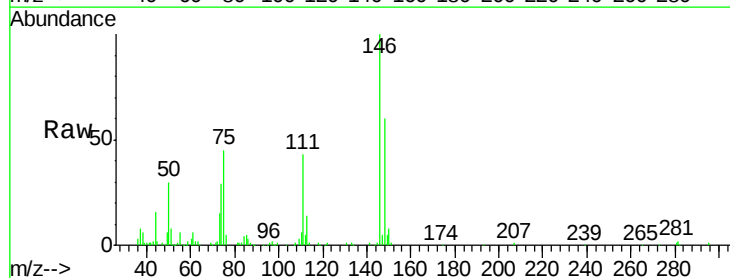
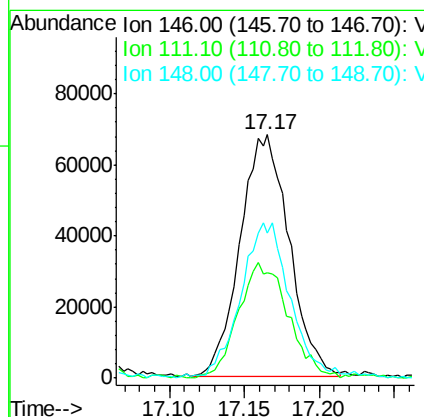
RT: 17.17 min Scan# 4472

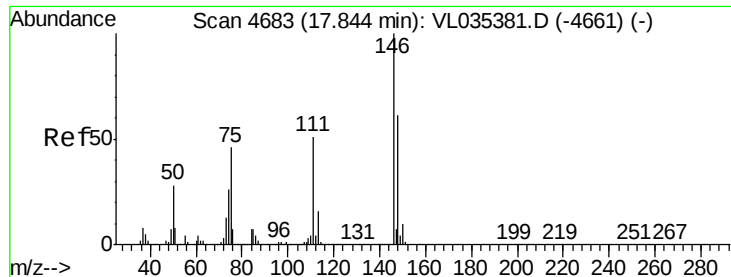
Delta R.T. -0.01 min

Lab File: VL035384.D

Acq: 12 Aug 2020 13:57

Tgt Ion:	146	Resp:	154937
Ion Ratio	Lower	Upper	
146	100		
111	48.4	24.0	72.0
148	65.8	32.5	97.5





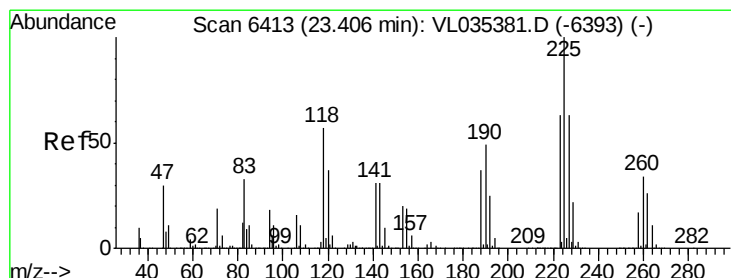
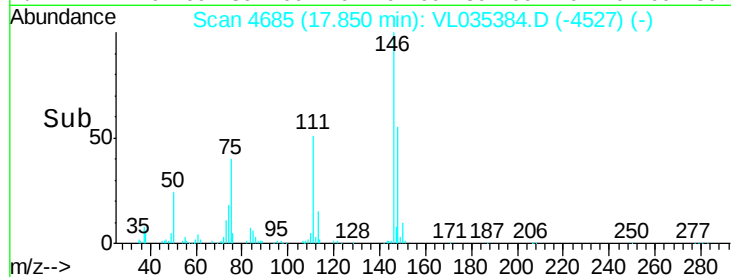
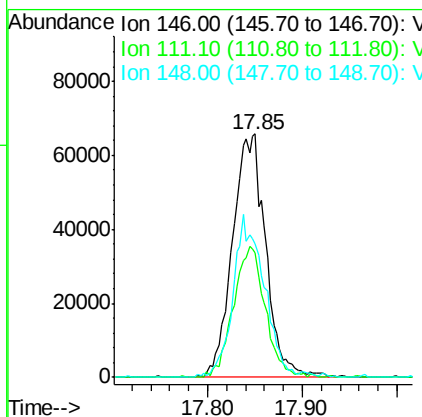
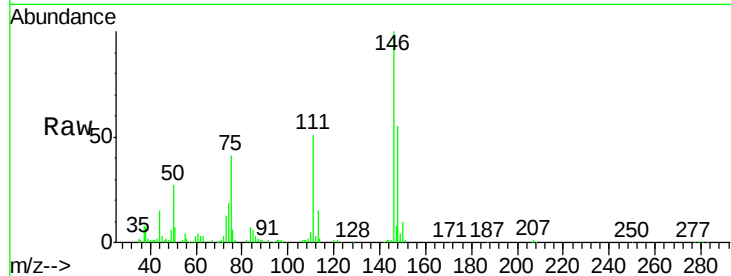
#77
 1,2-Dichlorobenzene
 Concen: 0.705 ppbv m
 RT: 17.85 min Scan# 4685
 Delta R.T. 0.01 min
 Lab File: VL035384.D
 Acq: 12 Aug 2020 13:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
146	100		
111	51.8	25.9	77.8
148	62.9	32.1	96.3

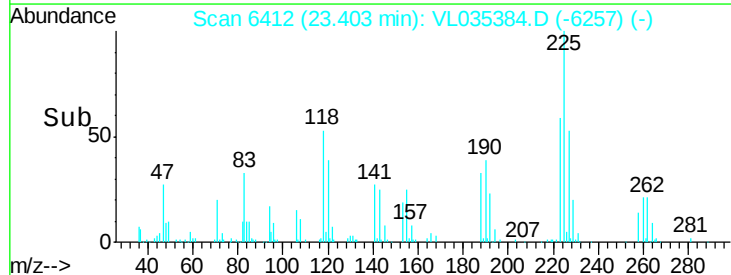
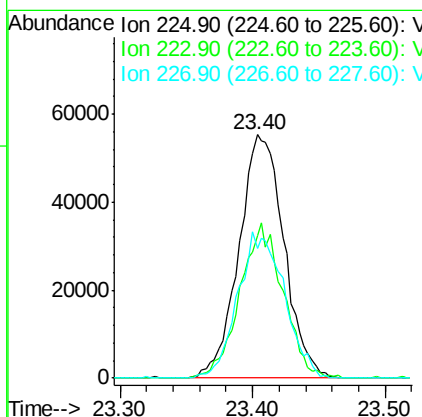
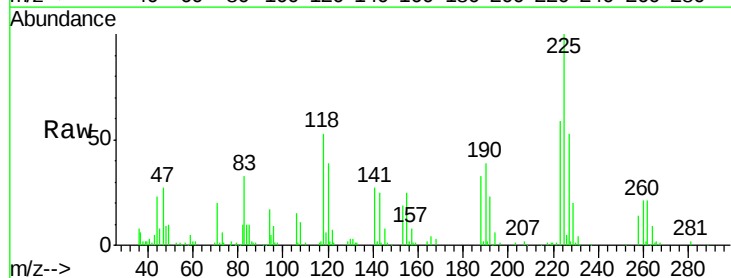
Manual Integrations
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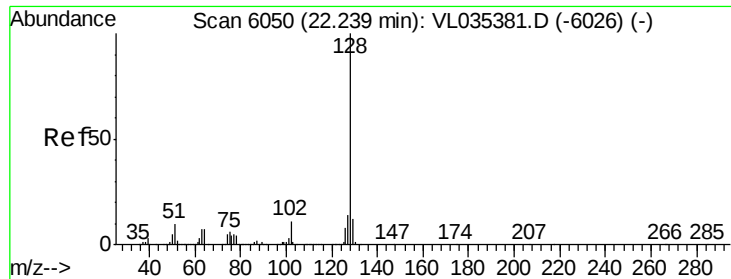
MMDadoda
 8/17/2020 5:43:51 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 0.673 ppbv
 RT: 23.40 min Scan# 6412
 Delta R.T. -0.00 min
 Lab File: VL035384.D
 Acq: 12 Aug 2020 13:57

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.1	51.0	76.6
227	61.6	51.0	76.6





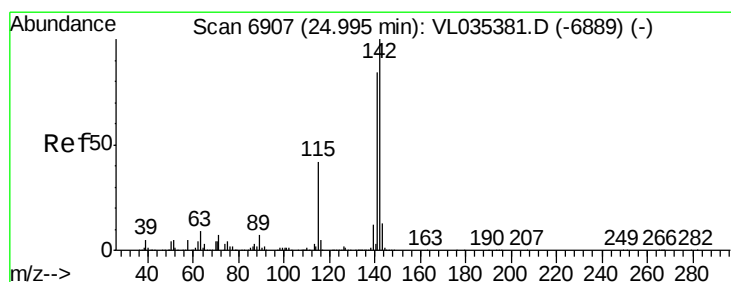
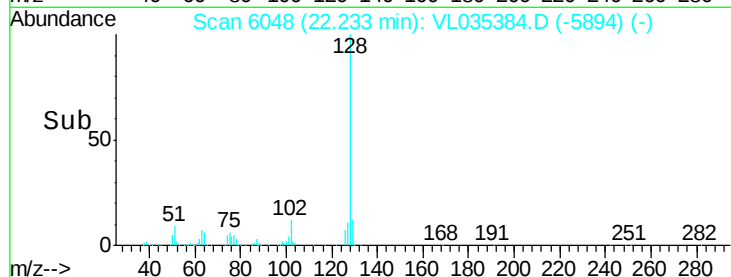
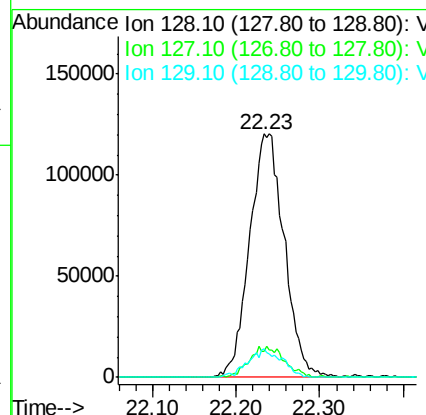
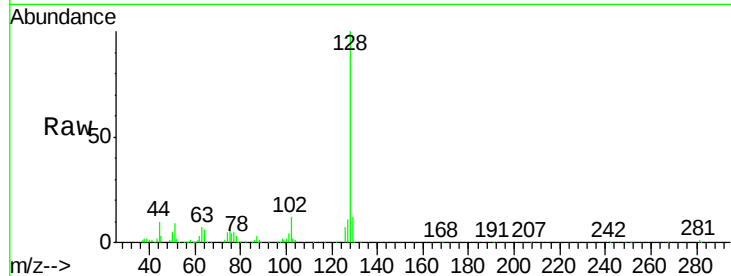
#79
Naphthalene
Concen: 1.201 ppbv m
RT: 22.23 min Scan# 6048
Delta R.T. -0.01 min
Lab File: VL035384.D
Acq: 12 Aug 2020 13:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Resp	Lower	Upper
128	100	348126		
127	10.6	11.0	16.4#	
129	12.0	9.2	13.8	

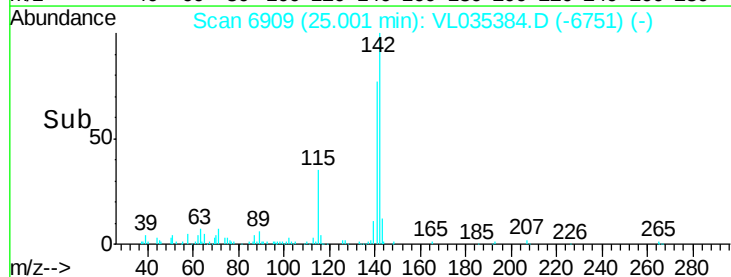
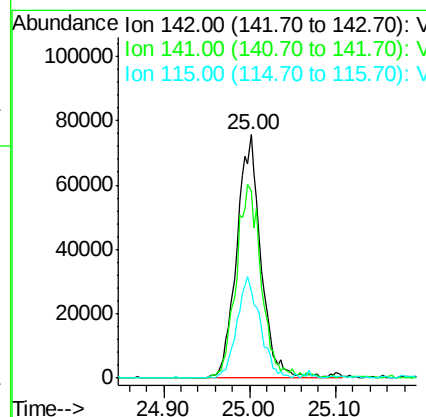
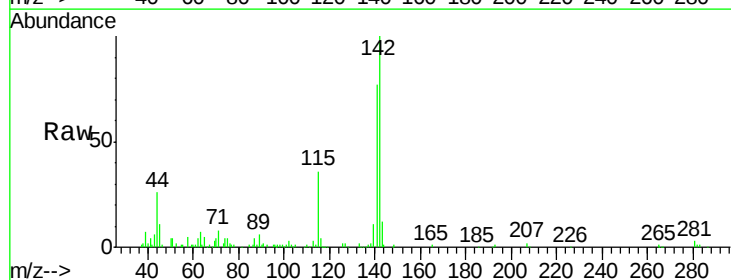
Manual Integrations
APPROVED

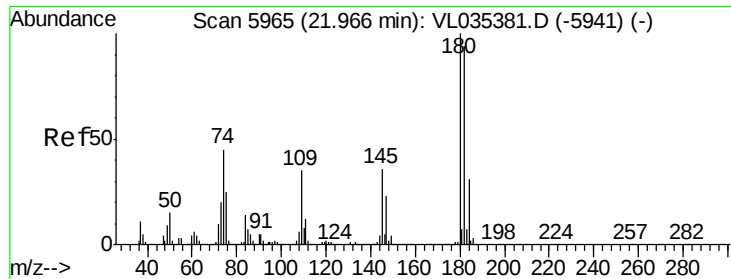
MMDadoda
8/17/2020 5:43:51 PM



#80
Naphthalene, 2-methyl-
Concen: 2.252 ppbv
RT: 25.00 min Scan# 6909
Delta R.T. 0.01 min
Lab File: VL035384.D
Acq: 12 Aug 2020 13:57

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	148563		
141	83.4	67.7	101.5	
115	39.8	34.0	51.0	





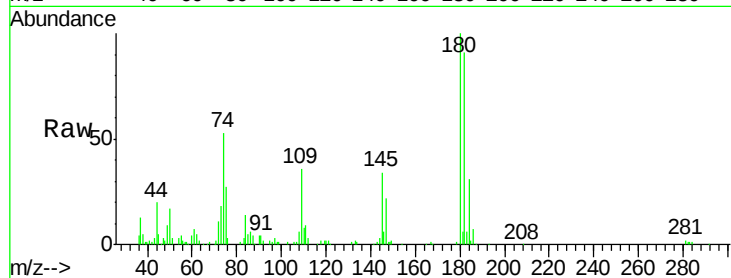
#81
 1,2,4-Trichlorobenzene
 Concen: 0.918 ppbv m
 RT: 21.96 min Scan# 5964
 Delta R.T. -0.00 min
 Lab File: VL035384.D
 Acq: 12 Aug 2020 13:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Resp	Lower	Upper
180	100	167677		
182	95.2		77.6	116.4
184	30.6		24.7	37.1

Manual Integrations
 APPROVED

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Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

