

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070820\
 Data File : VL035171.D
 Acq On : 8 Jul 2020 4:33
 Operator : SY/AP
 Sample : VSTDIC0.5
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Manual Integrations
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 7/9/2020 12:02:33 PM

Quant Time: Jul 08 06:50:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL070820AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 08
 QLast Update : Wed Jul 08 06:17:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1237043	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3029341	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2715220	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2270637	10.06	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.00	85	115919m	0.692	ppbv	
3) Chlorodifluoromethane	2.94	51	76121	0.562	ppbv	100
4) Chloromethane	3.09	50	42942	0.567	ppbv	95
5) Vinyl Chloride	3.21	62	41818	0.576	ppbv #	88
6) Bromomethane	3.43	94	25067	0.552	ppbv	94
7) Chloroethane	3.51	64	16545m	0.600	ppbv	
8) Dichlorotetrafluoroethane	3.14	85	114725	0.640	ppbv	97
9) Propene	2.96	41	25060	0.470	ppbv	87
10) Heptane	8.13	43	60550	0.436	ppbv	99
11) Trichlorofluoromethane	3.92	101	113335	0.628	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.46	101	80250	0.642	ppbv	95
13) Ethanol	3.57	45	10428	0.528	ppbv	83
14) Bromoethene	3.70	108	29650	0.554	ppbv	92
15) Acetone	3.83	43	106163	0.706	ppbv	99
16) 1,3-Butadiene	3.29	39	33271	0.510	ppbv	94
17) tert-Butyl alcohol	4.27	59	79522	0.594	ppbv	95
18) 1,1-Dichloroethene	4.26	96	33375	0.593	ppbv	94
19) Isopropyl Alcohol	3.95	45	57857m	0.598	ppbv	
20) Methylene Chloride	4.31	84	48593	0.794	ppbv	94
21) Allyl Chloride	4.38	41	53941	0.605	ppbv	98
22) trans-1,2-Dichloroethene	4.86	96	34455	0.649	ppbv #	73
23) Vinyl Acetate	5.05	43	80921	0.450	ppbv #	91
24) 1,1-Dichloroethane	4.99	63	85726	0.562	ppbv #	96
25) Ethyl Acetate	5.66	43	133350	0.497	ppbv	98
26) Hexane	5.66	57	58293m	0.481	ppbv	
27) Carbon Disulfide	4.52	76	84275	0.651	ppbv #	91
28) Methyl tert-Butyl Ether	5.02	73	85550	0.501	ppbv	96
29) Chloroform	5.73	83	105625	0.556	ppbv	94
30) Cyclohexane	7.12	84	37954m	0.438	ppbv	
31) cis-1,2-Dichloroethene	5.53	61	51906	0.468	ppbv #	87
32) 1,1,1-Trichloroethane	6.50	97	93072	0.526	ppbv	97
34) 2-Butanone	5.23	43	76420	0.446	ppbv	100
35) Carbon Tetrachloride	7.01	117	100624	0.552	ppbv	97
36) Benzene	6.88	78	101537	0.438	ppbv	94
37) 1,2-Dichloroethane	6.29	62	78430	0.531	ppbv	97
38) Trichloroethene	7.84	130	40169m	0.442	ppbv	
39) 1,2-Dichloropropane	7.62	63	41795	0.462	ppbv #	86
40) 1,4-Dioxane	7.87	88	17014m	0.465	ppbv	
41) Tetrahydrofuran	6.05	42	33576m	0.385	ppbv	
42) Bromodichloromethane	7.79	83	97644m	0.509	ppbv	
43) Methyl Methacrylate	8.02	69	35683	0.363	ppbv	95

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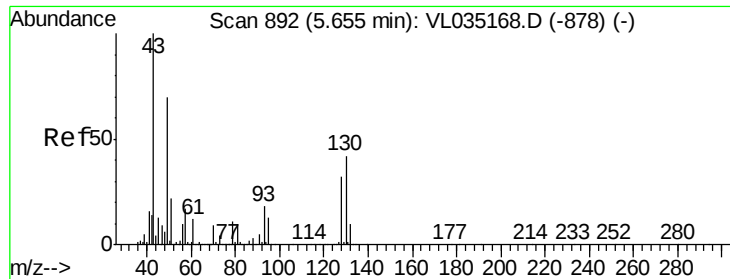
Manual Integrations
 APPROVED

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Quant Time: Jul 08 06:50:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL070820AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 08
 QLast Update : Wed Jul 08 06:17:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	169182	0.417	ppbv	94
45) t-1,3-Dichloropropene	9.29	75	36422m	0.380	ppbv	
46) cis-1,3-Dichloropropene	8.71	75	43937m	0.370	ppbv	
47) 1,1,2-Trichloroethane	9.48	97	46462m	0.467	ppbv	
48) Dibromochloromethane	10.32	129	68324	0.457	ppbv	93
49) Bromoform	13.07	173	60370m	0.474	ppbv	
50) 4-Methyl-2-Pentanone	8.76	43	94643	0.385	ppbv	100
51) 2-Hexanone	10.16	43	65530m	0.342	ppbv	
52) Tetrachloroethene	11.25	164	38389m	0.467	ppbv	
53) Toluene	9.82	91	86590m	0.349	ppbv	
54) 1,2-Dibromoethane	10.63	107	64626m	0.438	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.14	131	64517m	0.574	ppbv	
57) Chlorobenzene	12.16	112	113125	0.564	ppbv #	87
58) Ethyl Benzene	12.73	91	125722m	0.410	ppbv	
59) m/p-Xylene	13.02	91	245232m	0.902	ppbv	
60) o-Xylene	13.71	91	122613m	0.452	ppbv	
61) Styrene	13.56	104	59931m	0.351	ppbv	
62) Isopropylbenzene	14.70	105	185619m	0.458	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.70	83	113879m	0.519	ppbv	
64) n-propylbenzene	15.59	120	46918m	0.454	ppbv	
65) tert-Butylbenzene	16.78	119	164358m	0.471	ppbv	
66) Benzyl Chloride	17.03	91	53780	0.488	ppbv #	86
67) sec-Butylbenzene	17.33	105	241129	0.481	ppbv	99
69) p-Isopropyltoluene	17.68	119	177924m	0.445	ppbv	
70) n-Butylbenzene	18.59	91	185889	0.431	ppbv	98
71) 2-Chlorotoluene	15.48	91	134614	0.440	ppbv	96
72) 4-Ethyltoluene	15.87	105	124559m	0.411	ppbv	
73) 1,3,5-Trimethylbenzene	16.03	105	127057m	0.442	ppbv	
74) 1,2,4-Trimethylbenzene	16.79	105	158382m	0.493	ppbv	
75) 1,3-Dichlorobenzene	17.04	146	119239m	0.623	ppbv	
76) 1,4-Dichlorobenzene	17.17	146	99519m	0.542	ppbv	
77) 1,2-Dichlorobenzene	17.86	146	94195m	0.534	ppbv	
78) Hexachloro-1,3-Butadiene	23.42	225	84251m	0.543	ppbv	
79) Naphthalene	22.25	128	70947m	0.259	ppbv	
80) Naphthalene, 2-methyl-	25.03	142	5722	0.057	ppbv #	77
81) 1,2,4-Trichlorobenzene	21.98	180	58516m	0.367	ppbv	

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



#1

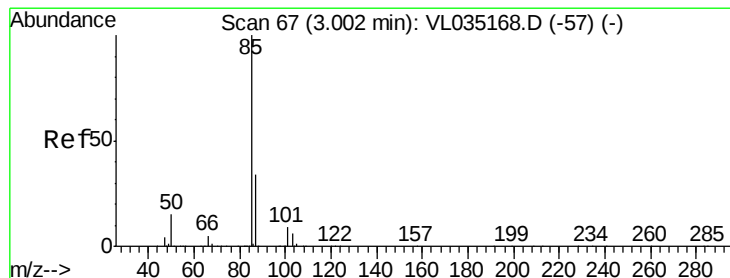
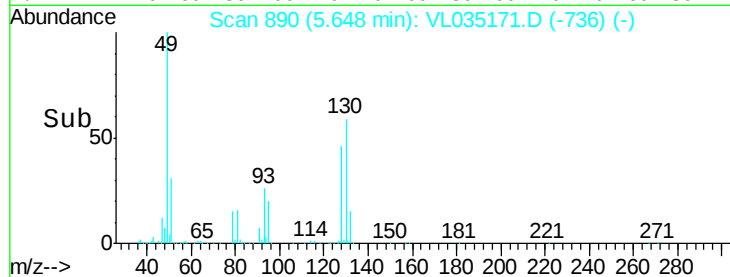
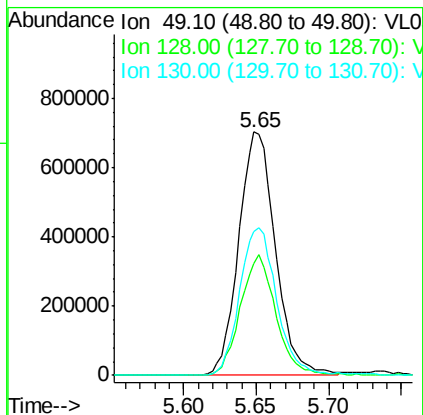
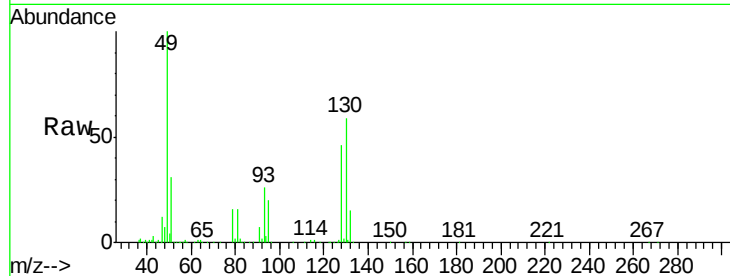
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.65 min Scan# 890
 Delta R.T. -0.01 min
 Lab File: VL035171.D
 Acq: 8 Jul 2020 4:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
49	100		
128	48.2	23.8	71.4
130	61.9	29.9	89.8

Manual Integrations
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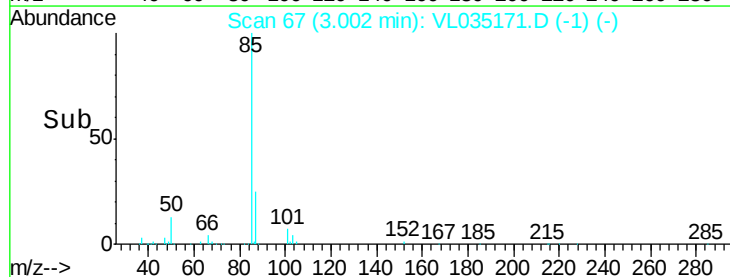
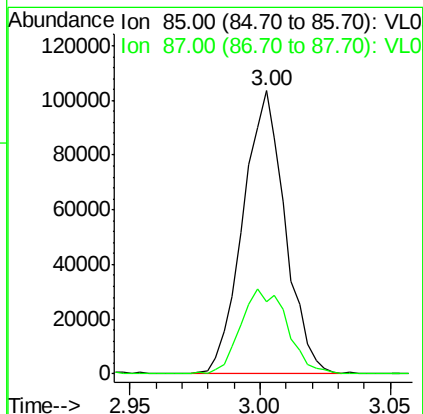
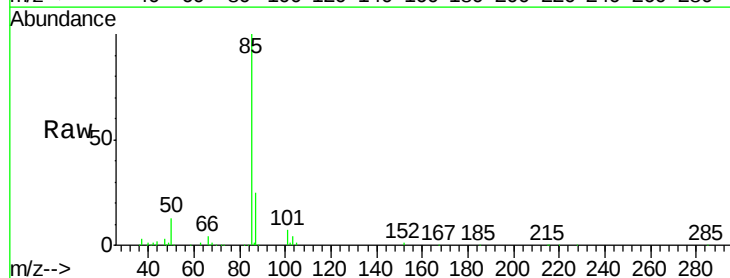
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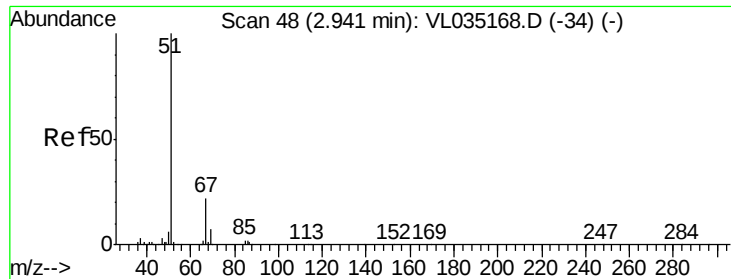


#2

Dichlorodifluoromethane
 Concen: 0.692 ppbv m
 RT: 3.00 min Scan# 67
 Delta R.T. 0.00 min
 Lab File: VL035171.D
 Acq: 8 Jul 2020 4:33

Tgt Ion	Ratio	Lower	Upper
85	100		
87	25.3	27.0	40.6





#3

Chlorodifluoromethane

Concen: 0.562 ppbv

RT: 2.94 min Scan# 48

Delta R.T. 0.00 min

Lab File: VL035171.D

Acq: 8 Jul 2020 4:33

Tot Ion	Ratio	Lower	Upper
51	100		
67	20.8	16.6	24.8

Instrument :

MSVOA_L

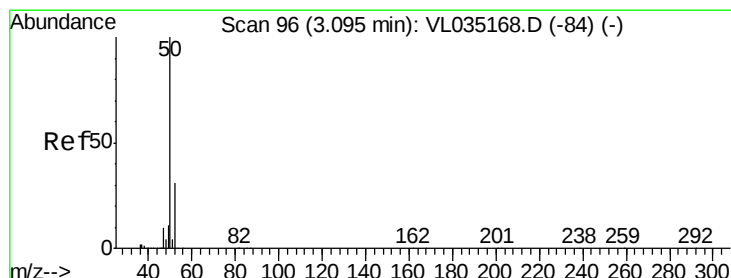
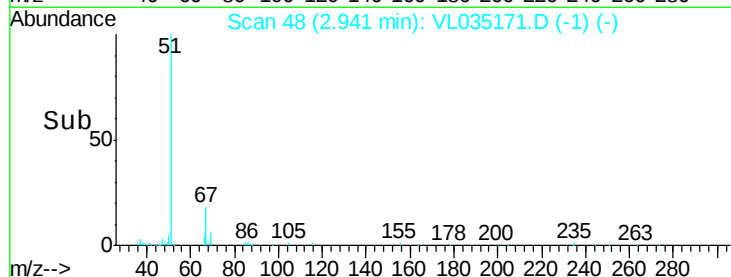
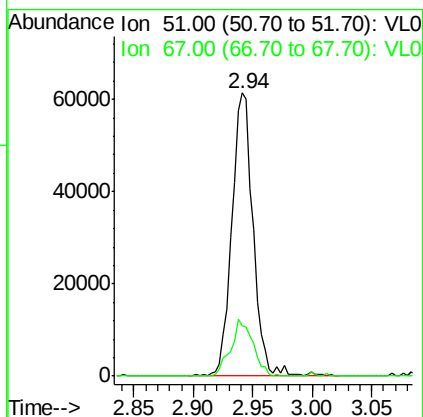
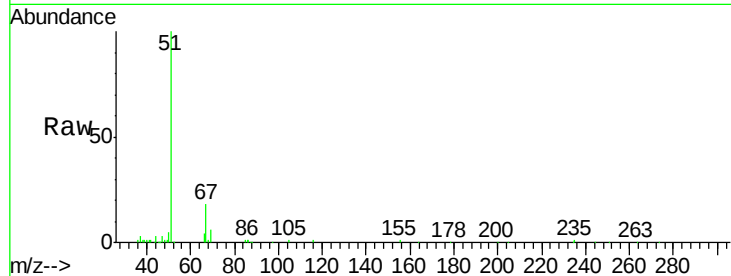
ClientSampleId :

VSTDIC0.5

Manual Integrations
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#4

Chloromethane

Concen: 0.567 ppbv

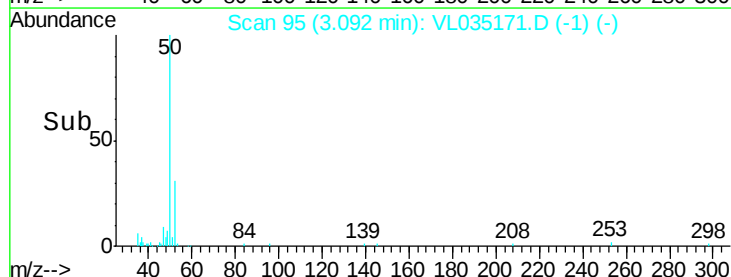
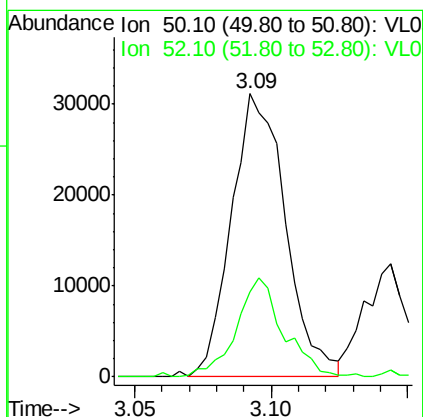
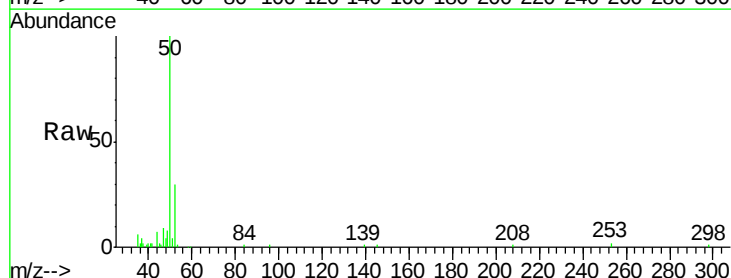
RT: 3.09 min Scan# 95

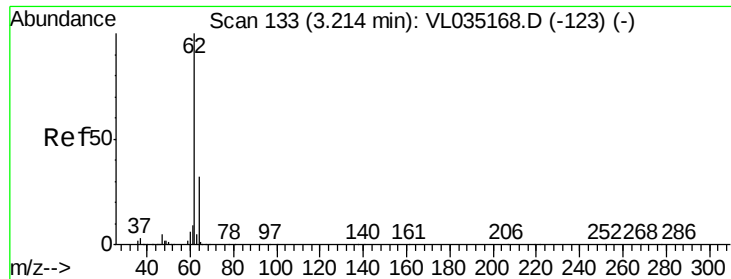
Delta R.T. -0.00 min

Lab File: VL035171.D

Acq: 8 Jul 2020 4:33

Tgt Ion	Ratio	Lower	Upper
50	100		
52	28.4	25.0	37.6





#5

Vinyl Chloride

Concen: 0.576 ppbv

RT: 3.21 min Scan# 133

Delta R.T. 0.00 min

Lab File: VL035171.D

Acq: 8 Jul 2020 4:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 62 Resp: 41818

Ion Ratio Lower Upper

62 100

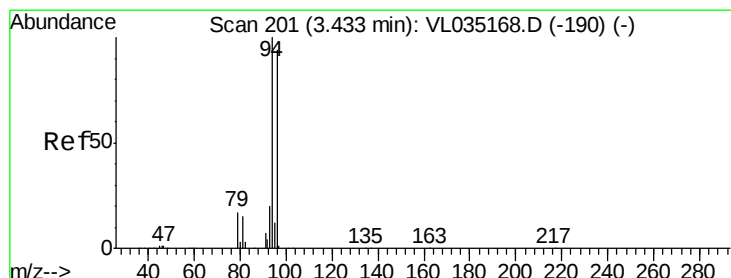
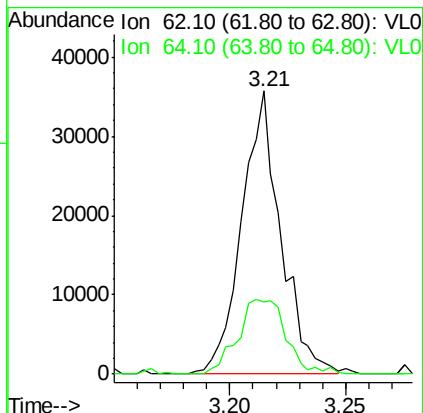
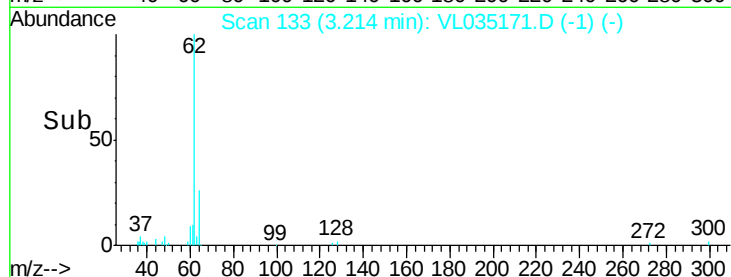
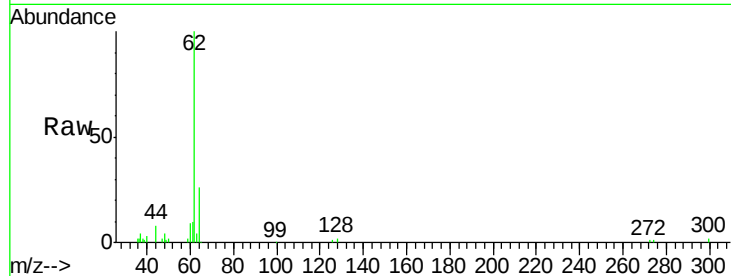
64 25.6 25.9 38.9#

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#6

Bromomethane

Concen: 0.552 ppbv

RT: 3.43 min Scan# 201

Delta R.T. 0.00 min

Lab File: VL035171.D

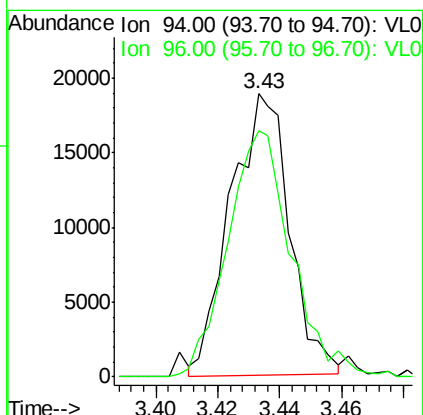
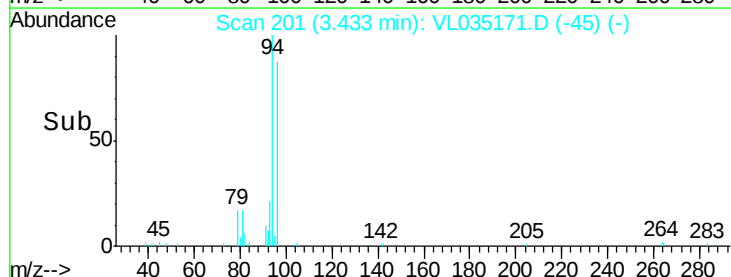
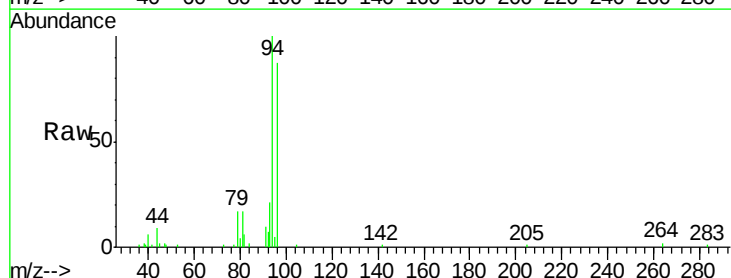
Acq: 8 Jul 2020 4:33

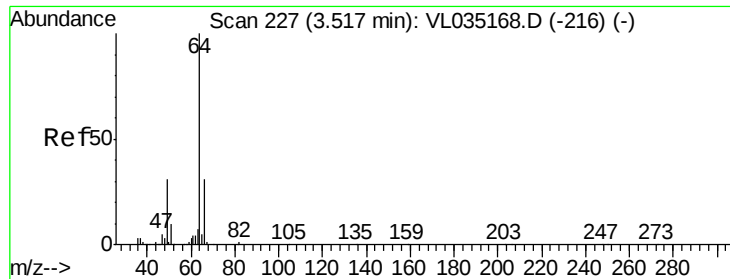
Tgt Ion: 94 Resp: 25067

Ion Ratio Lower Upper

94 100

96 87.4 74.8 112.2





#7

Chloroethane

Concen: 0.600 ppbv m

RT: 3.51 min Scan# 226

Delta R.T. -0.00 min

Lab File: VL035171.D

Acq: 8 Jul 2020 4:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 64 Resp: 16545

Ion Ratio Lower Upper

64 100

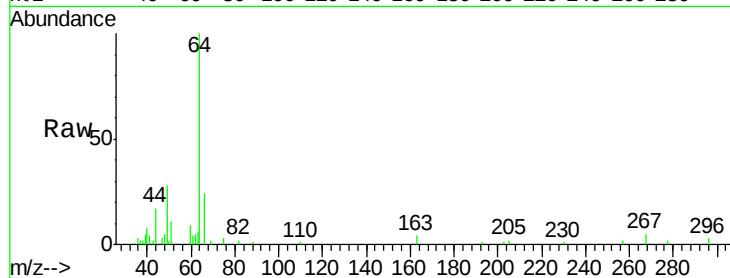
66 24.0 24.6 36.8#

Manual Integrations

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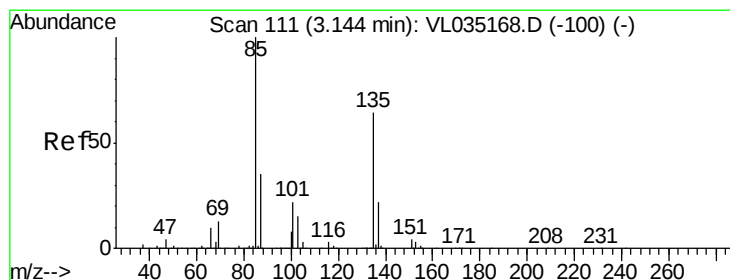
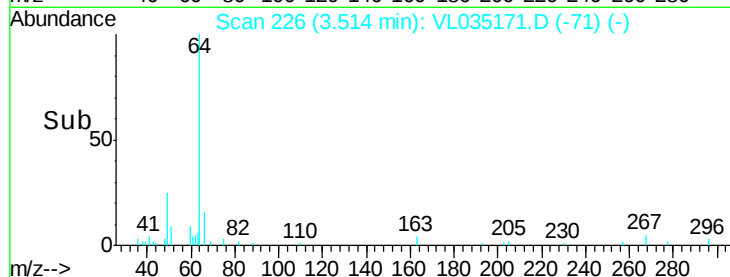
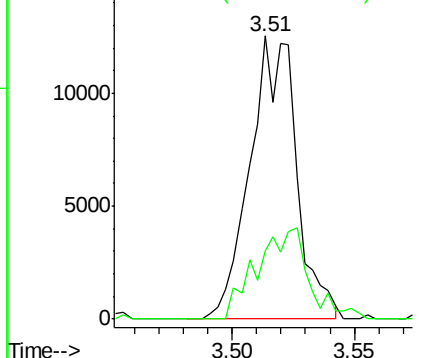
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 0.640 ppbv

RT: 3.14 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL035171.D

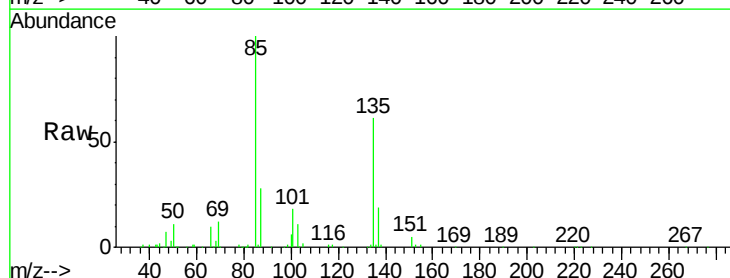
Acq: 8 Jul 2020 4:33

Tgt Ion: 85 Resp: 114725

Ion Ratio Lower Upper

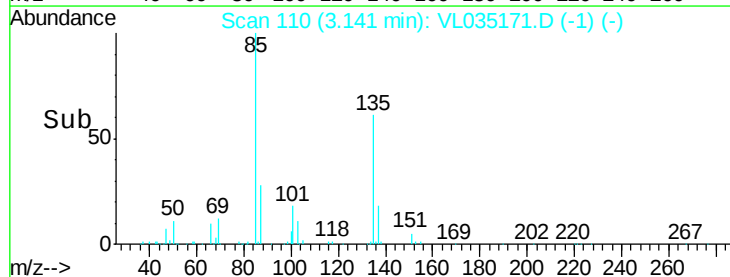
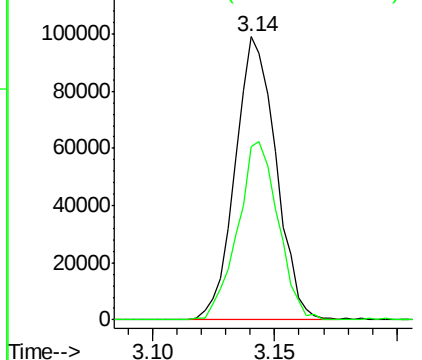
85 100

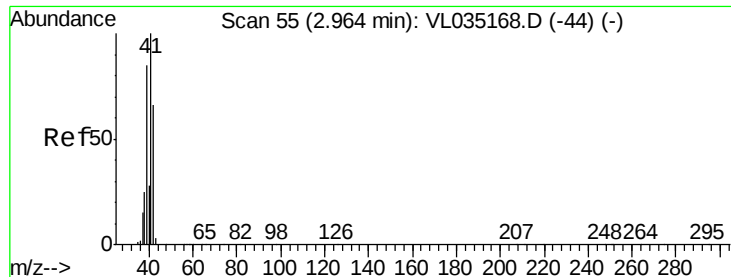
135 62.7 52.1 78.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





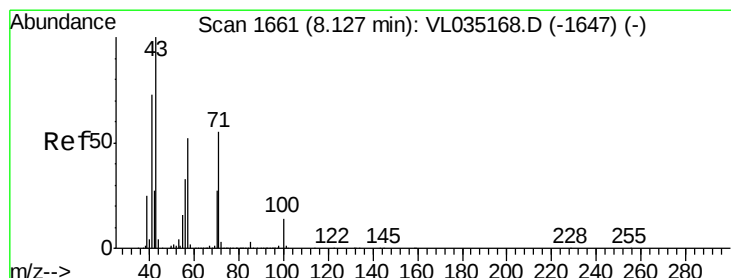
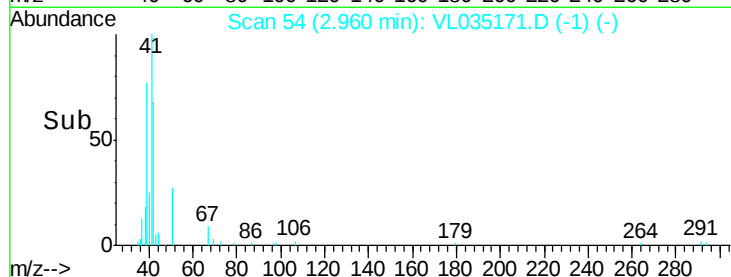
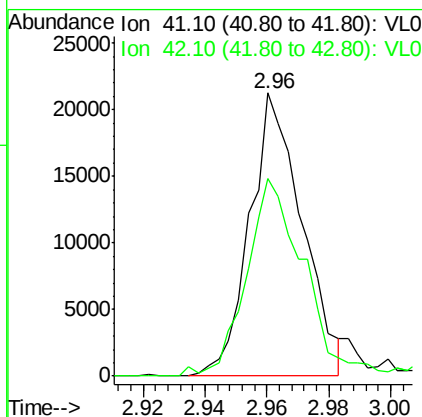
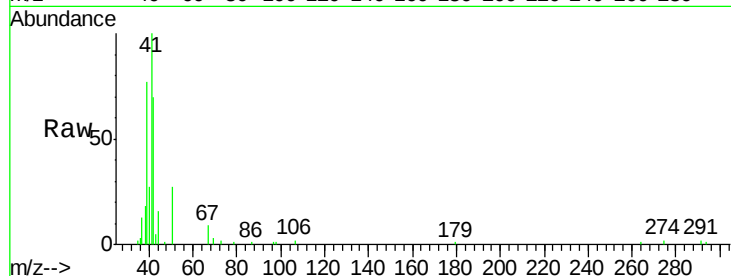
#9
 Propene
 Concen: 0.470 ppbv
 RT: 2.96 min Scan# 54
 Delta R.T. -0.00 min
 Lab File: VL035171.D
 Acq: 8 Jul 2020 4:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion: 41 Resp: 25060
 Ion Ratio Lower Upper
 41 100
 42 78.9 54.6 81.8

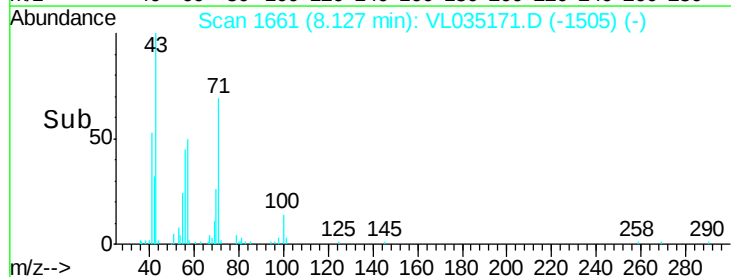
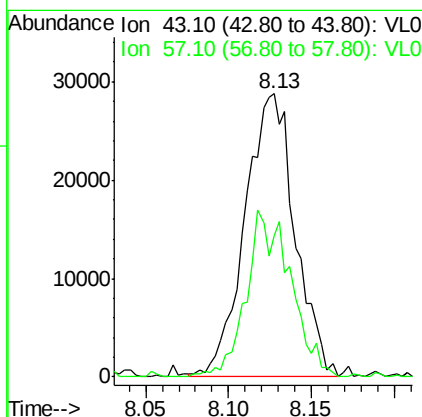
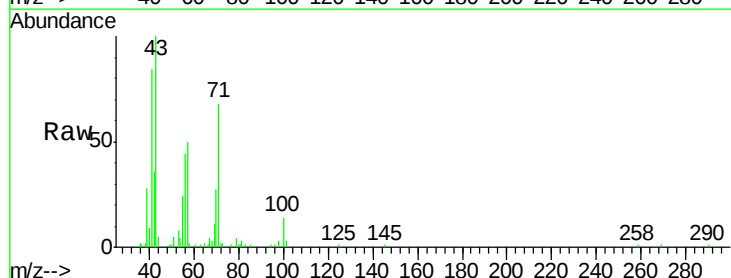
Manual Integrations
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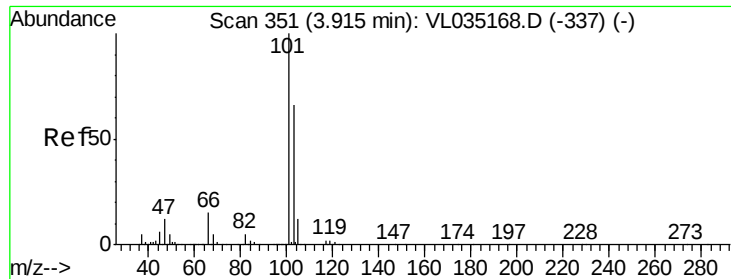
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#10
 Heptane
 Concen: 0.436 ppbv
 RT: 8.13 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VL035171.D
 Acq: 8 Jul 2020 4:33

Tgt Ion: 43 Resp: 60550
 Ion Ratio Lower Upper
 43 100
 57 51.8 41.8 62.6





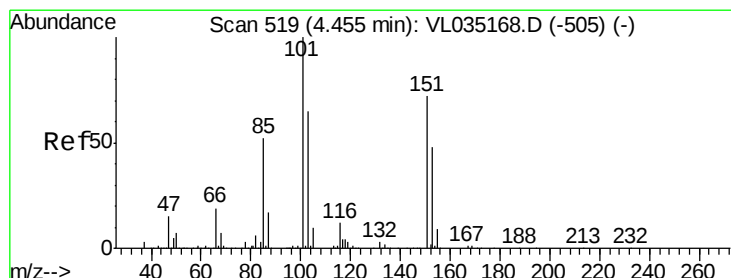
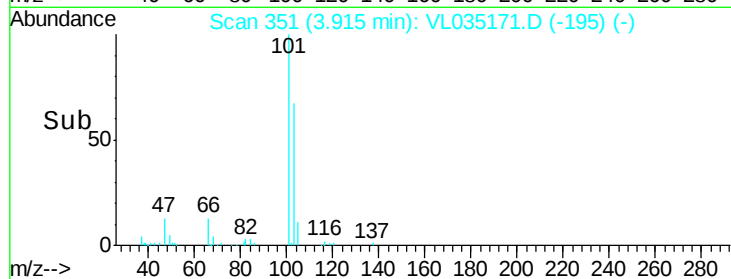
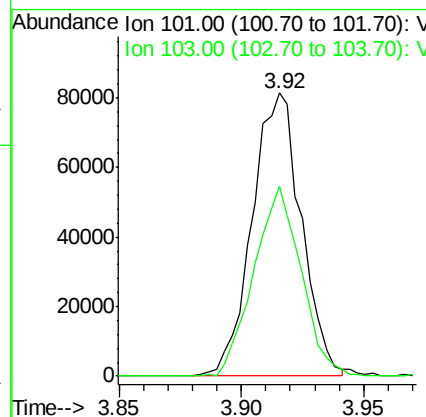
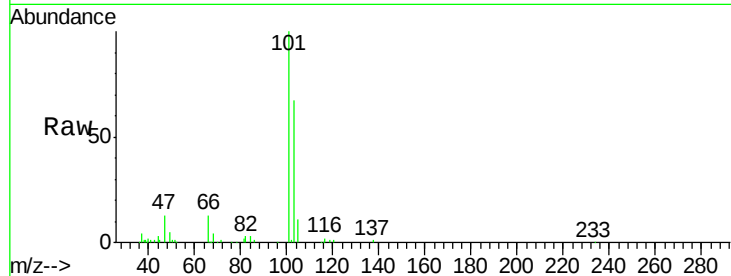
#11
 Trichlorofluoromethane
 Concen: 0.628 ppbv
 RT: 3.92 min Scan# 351
 Delta R.T. 0.00 min
 Lab File: VL035171.D
 Acq: 8 Jul 2020 4:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.0	53.1	79.7

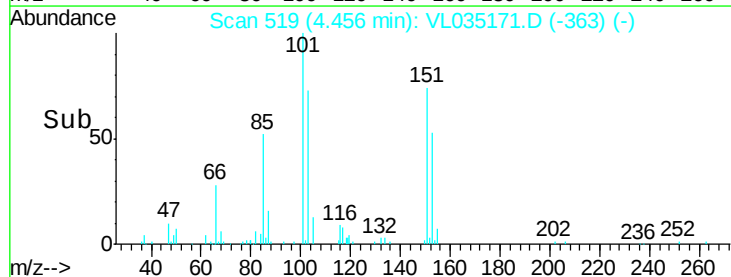
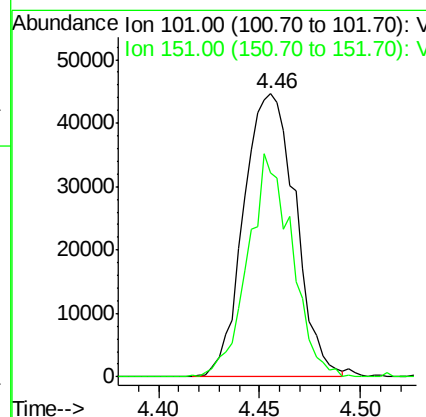
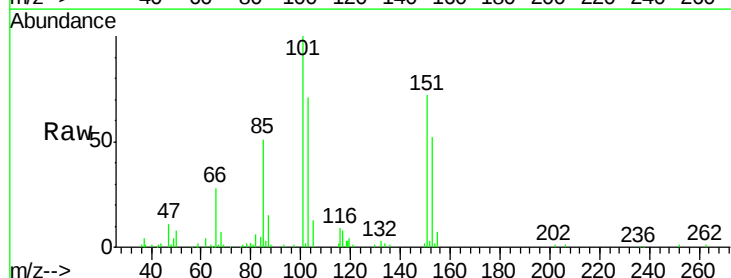
Manual Integrations
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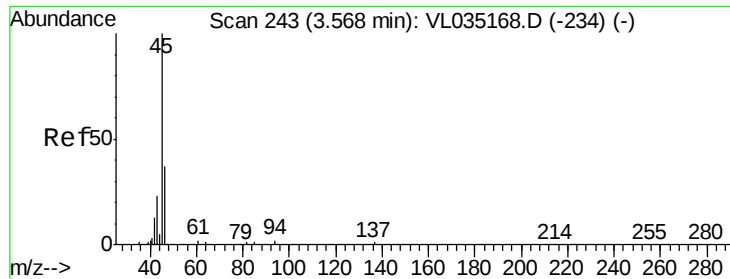
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.642 ppbv
 RT: 4.46 min Scan# 519
 Delta R.T. 0.00 min
 Lab File: VL035171.D
 Acq: 8 Jul 2020 4:33

Tgt Ion	Ratio	Lower	Upper
101	100		
151	66.8	57.0	85.4





#13

Ethanol

Concen: 0.528 ppbv

RT: 3.57 min Scan# 244

Delta R.T. 0.00 min

Lab File: VL035171.D

Acq: 8 Jul 2020 4:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 45 Resp: 10428

Ion Ratio Lower Upper

45 100

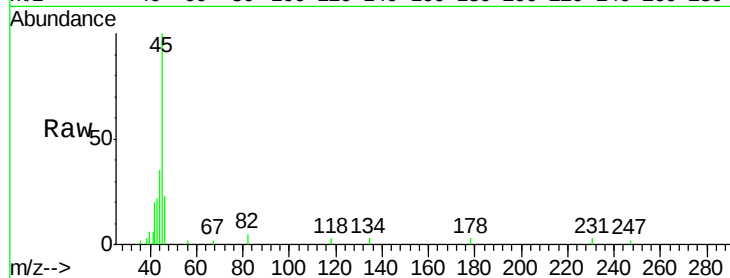
46 51.2 16.2 65.0

Manual Integrations

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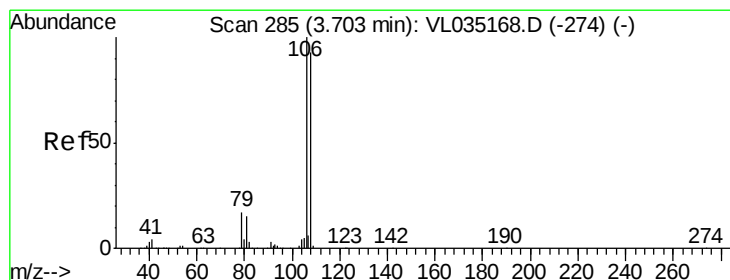
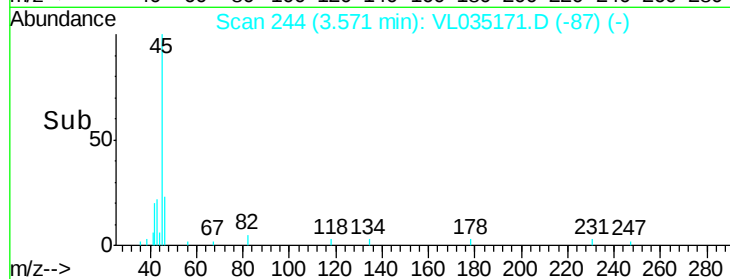
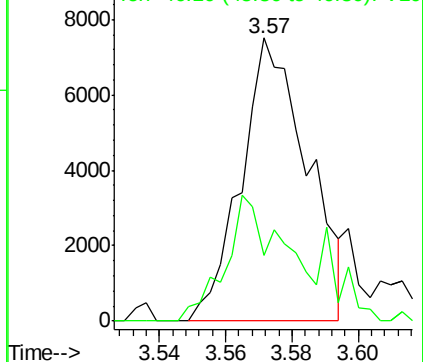
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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 0.554 ppbv

RT: 3.70 min Scan# 284

Delta R.T. -0.00 min

Lab File: VL035171.D

Acq: 8 Jul 2020 4:33

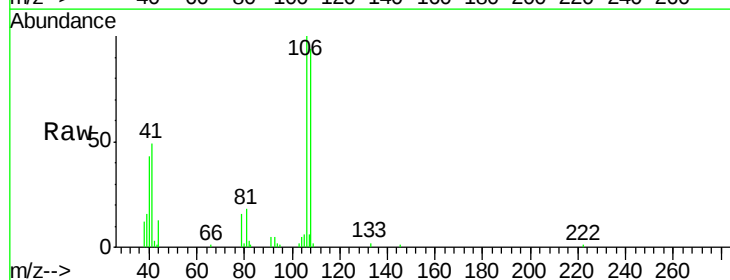
Tgt Ion: 108 Resp: 29650

Ion Ratio Lower Upper

108 100

106 116.7 86.2 129.2

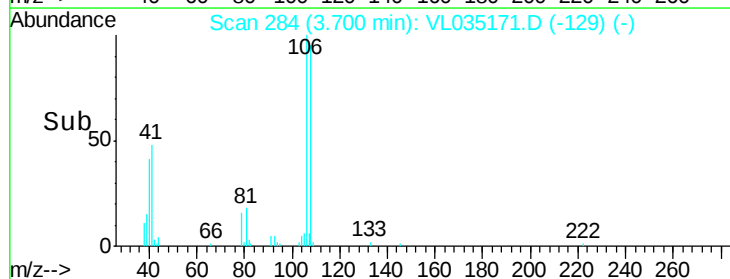
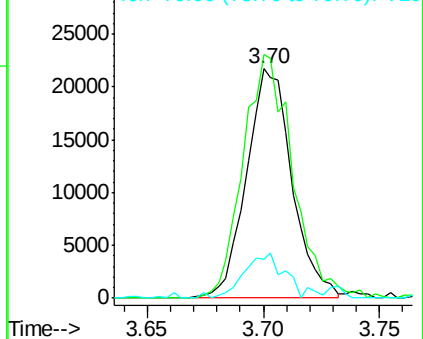
79 20.4 15.0 22.6

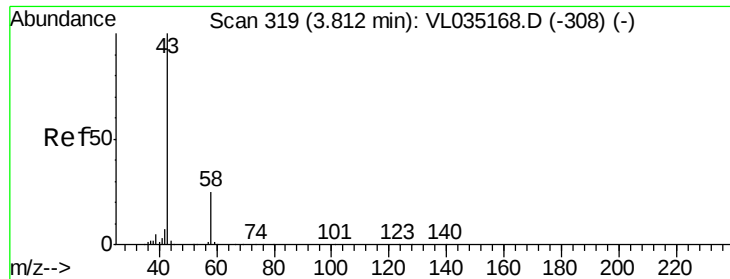


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#15

Acetone

Concen: 0.706 ppbv

RT: 3.83 min Scan# 323

Delta R.T. 0.01 min

Lab File: VL035171.D

Acq: 8 Jul 2020 4:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 43 Resp: 106163

Ion Ratio Lower Upper

43 100

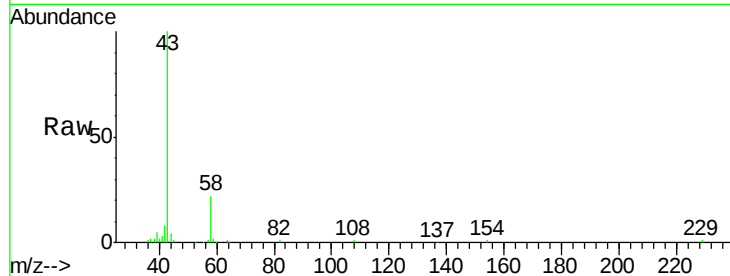
58 27.3 21.3 31.9

Manual Integrations

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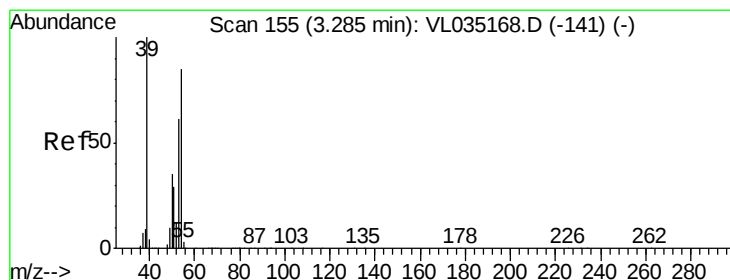
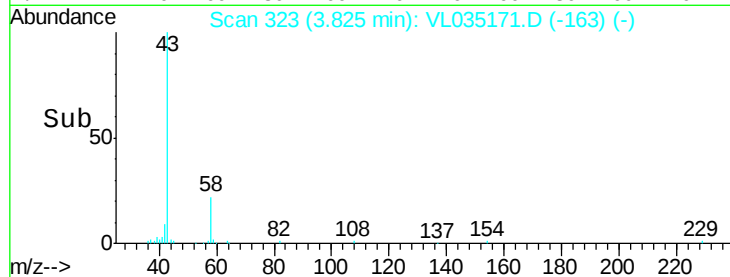
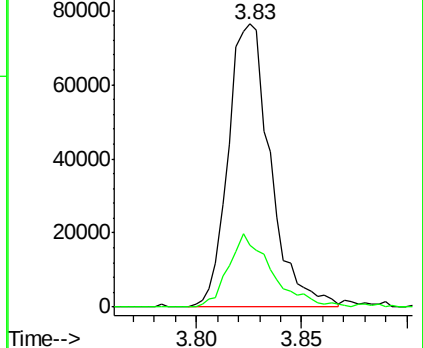
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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 0.510 ppbv

RT: 3.29 min Scan# 156

Delta R.T. 0.00 min

Lab File: VL035171.D

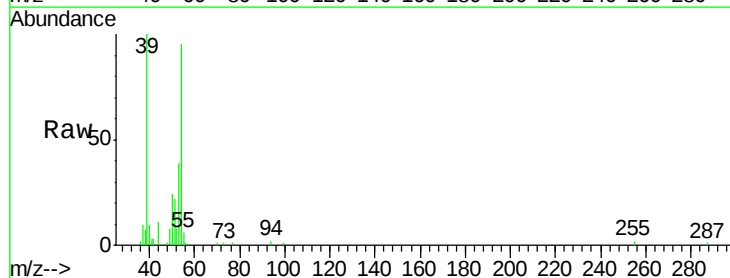
Acq: 8 Jul 2020 4:33

Tgt Ion: 39 Resp: 33271

Ion Ratio Lower Upper

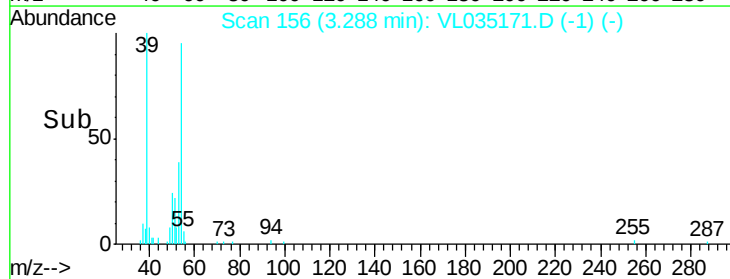
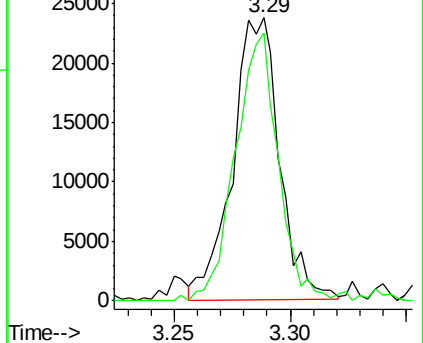
39 100

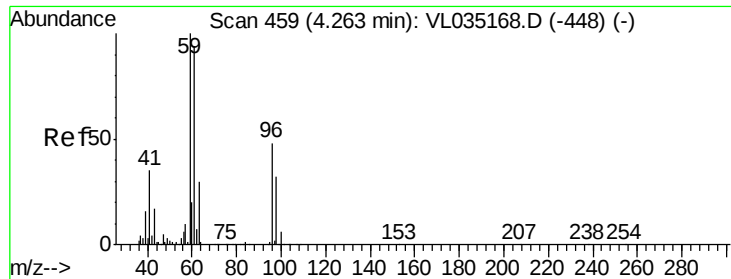
54 89.4 67.2 100.8



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

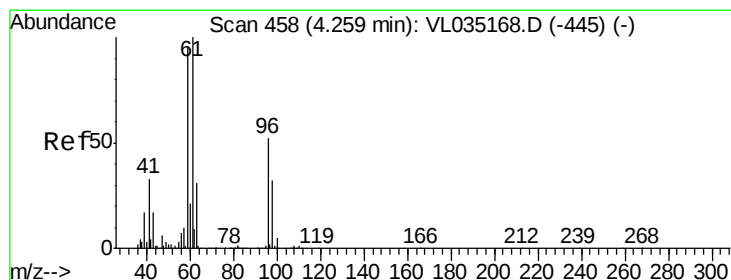
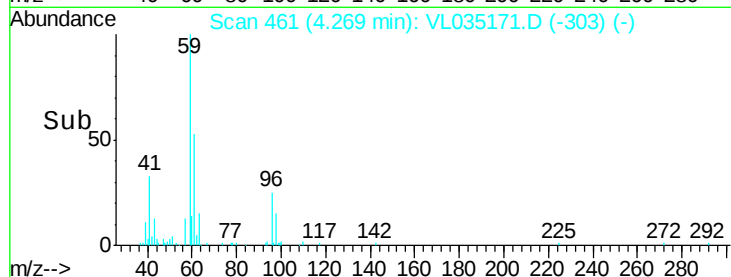
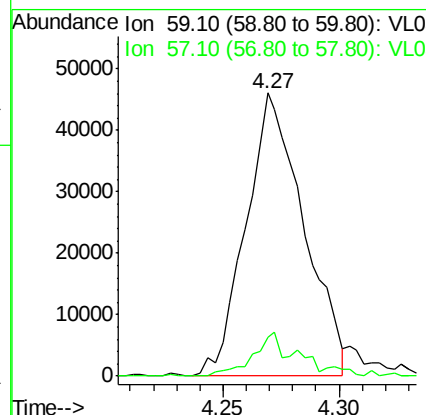
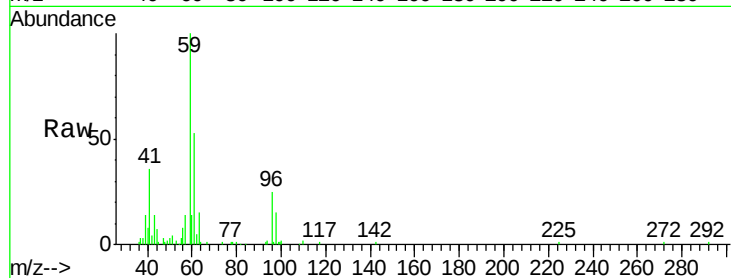
tert-Butyl alcohol
Concen: 0.594 ppbv
RT: 4.27 min Scan# 461
Delta R.T. 0.01 min
Lab File: VL035171.D
Acq: 8 Jul 2020 4:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	59	Resp	79522
Ion Ratio	100	Lower	Upper
57	12.5	8.6	12.8

Manual Integrations
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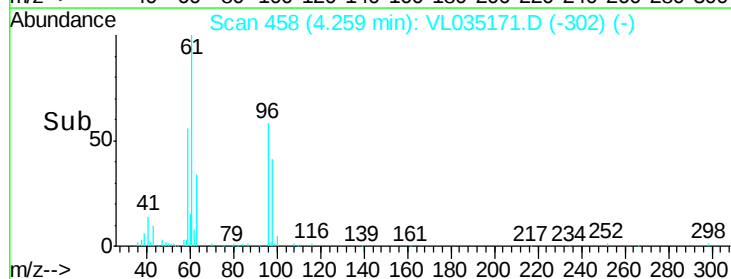
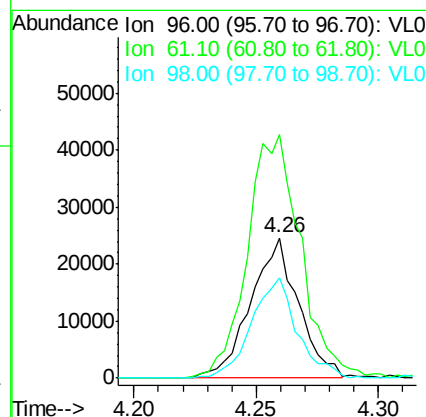
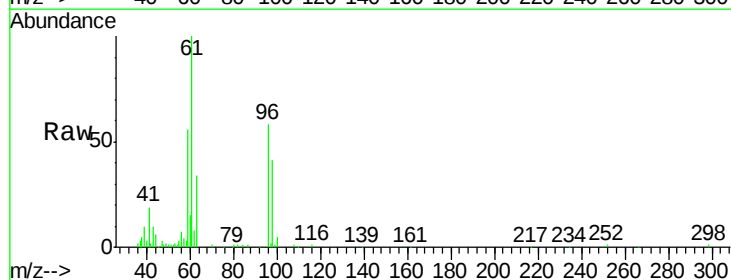
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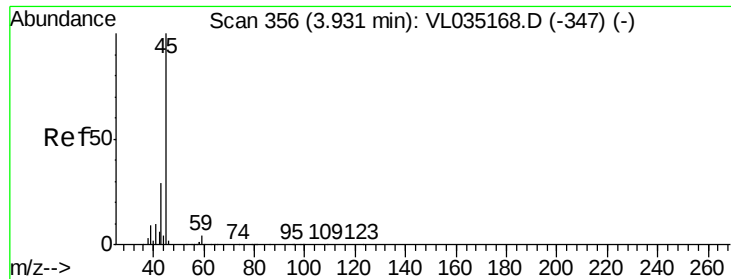


#18

1,1-Dichloroethene
Concen: 0.593 ppbv
RT: 4.26 min Scan# 458
Delta R.T. 0.00 min
Lab File: VL035171.D
Acq: 8 Jul 2020 4:33

Tgt Ion	96	Resp	33375
Ion Ratio	100	Lower	Upper
61	185.9	152.9	229.3
98	72.9	48.7	73.1





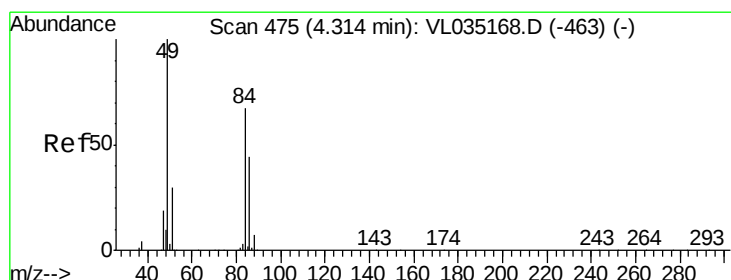
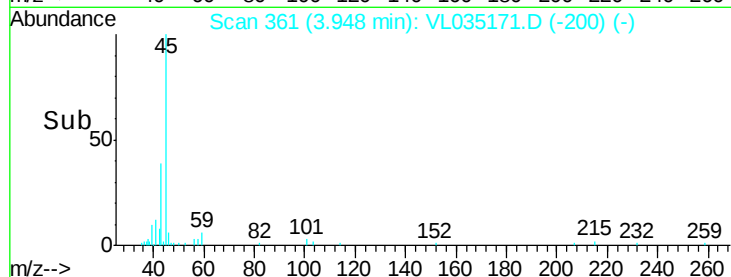
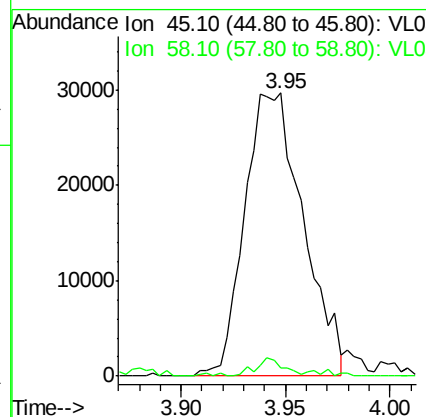
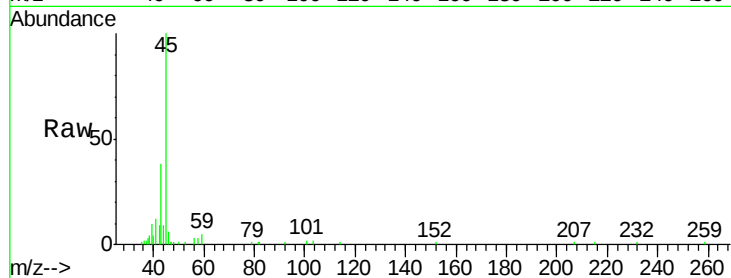
#19
Isopropyl Alcohol
Concen: 0.598 ppbv m
RT: 3.95 min Scan# 361
Delta R.T. 0.02 min
Lab File: VL035171.D
Acq: 8 Jul 2020 4:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion: 45 Resp: 57857
Ion Ratio Lower Upper
45 100
58 4.0 2.1 3.1#

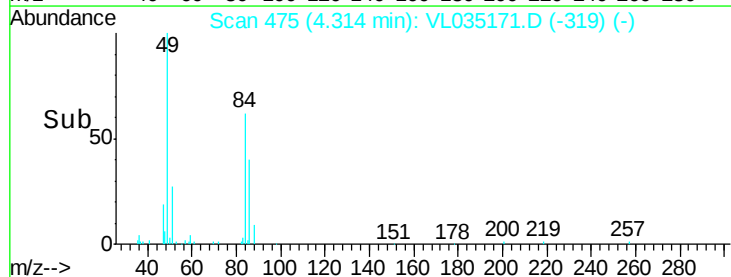
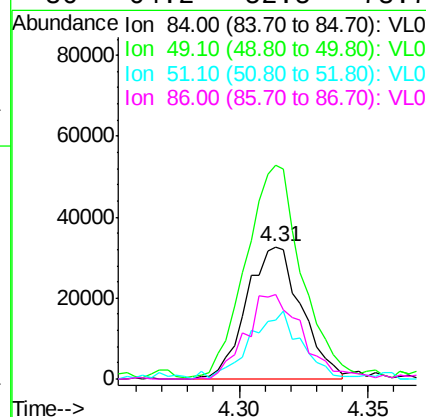
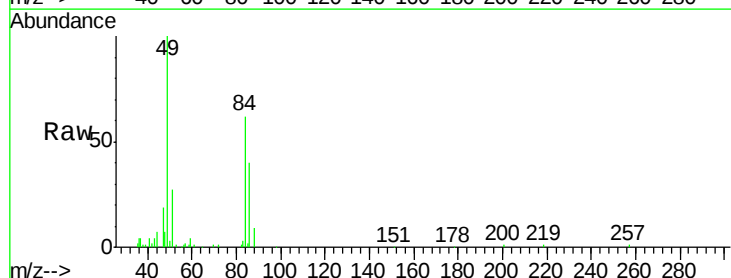
Manual Integrations
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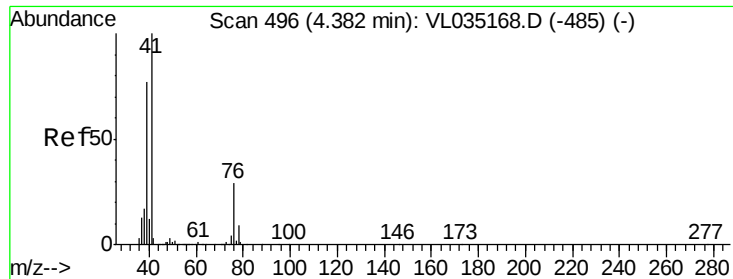
MMDadoda
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#20
Methylene Chloride
Concen: 0.794 ppbv
RT: 4.31 min Scan# 475
Delta R.T. 0.00 min
Lab File: VL035171.D
Acq: 8 Jul 2020 4:33

Tgt Ion: 84 Resp: 48593
Ion Ratio Lower Upper
84 100
49 160.2 119.4 179.0
51 44.4 36.6 55.0
86 64.2 52.5 78.7





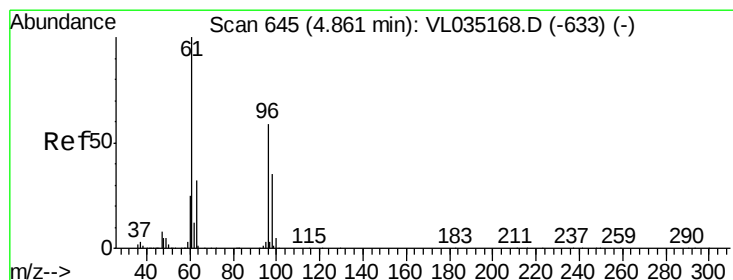
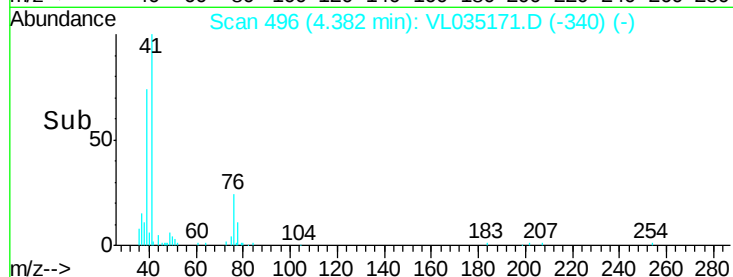
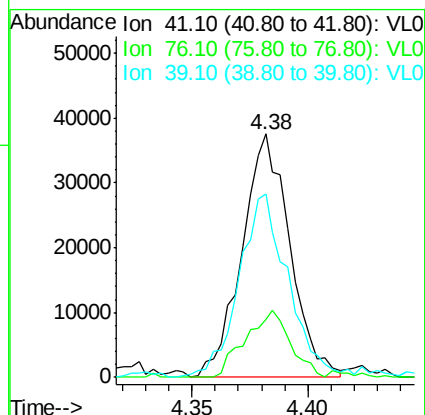
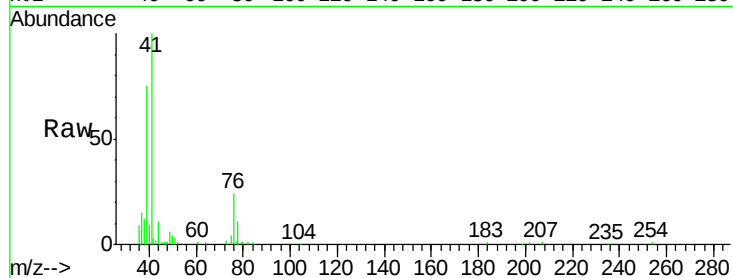
#21
Allvl Chloride
Concen: 0.605 ppbv
RT: 4.38 min Scan# 496
Delta R.T. 0.00 min
Lab File: VL035171.D
Acq: 8 Jul 2020 4:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
41	100		
76	27.0	23.5	35.3
39	80.0	63.4	95.0

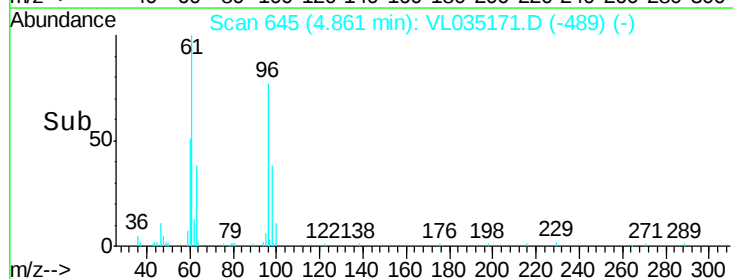
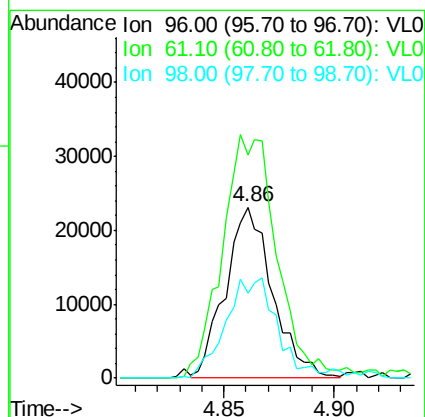
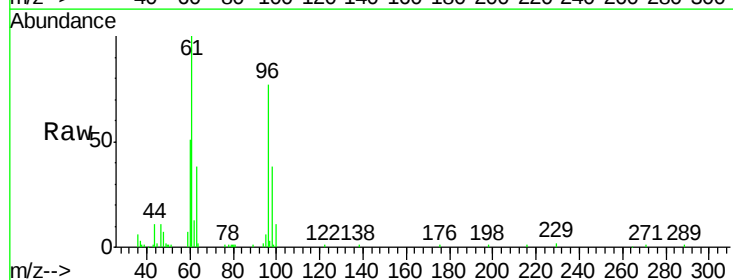
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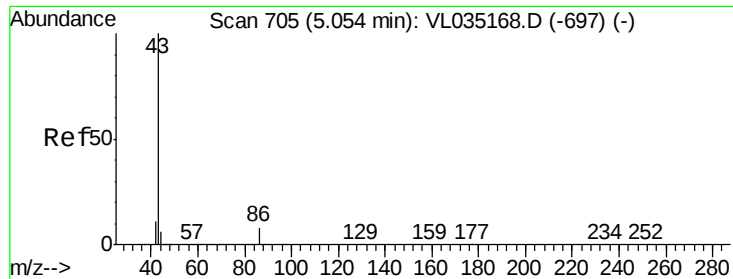
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#22
trans-1,2-Dichloroethene
Concen: 0.649 ppbv
RT: 4.86 min Scan# 645
Delta R.T. 0.00 min
Lab File: VL035171.D
Acq: 8 Jul 2020 4:33

Tgt Ion	Ratio	Lower	Upper
96	100		
61	127.2	136.5	204.7#
98	50.4	47.5	71.3





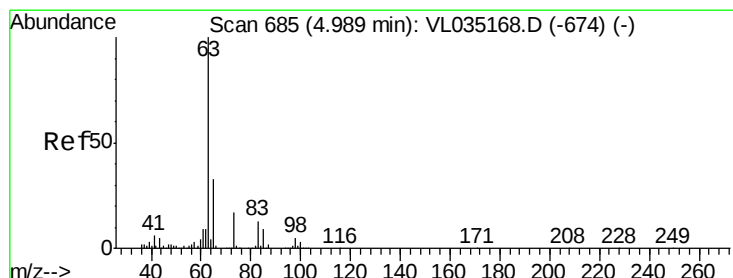
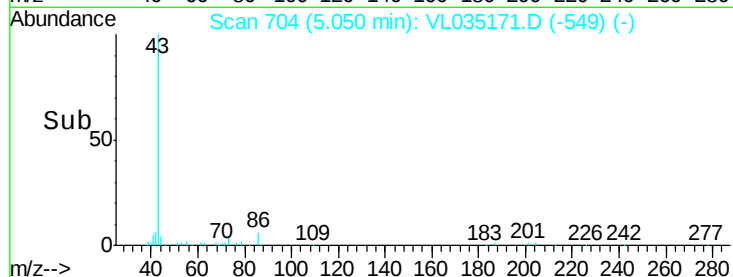
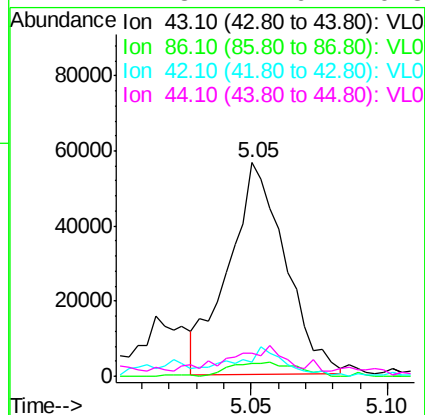
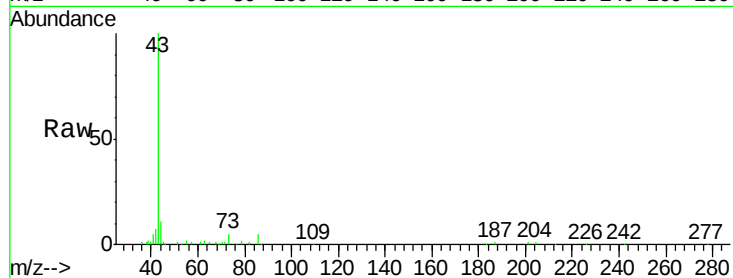
#23
 Vinyl Acetate
 Concen: 0.450 ppbv
 RT: 5.05 min Scan# 704
 Delta R.T. -0.00 min
 Lab File: VL035171.D
 Acq: 8 Jul 2020 4:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	43	Resp	80921
Ion	Ratio	Lower	Upper
43	100		
86	6.0	6.2	9.2#
42	5.8	9.1	13.7#
44	7.3	4.6	6.8#

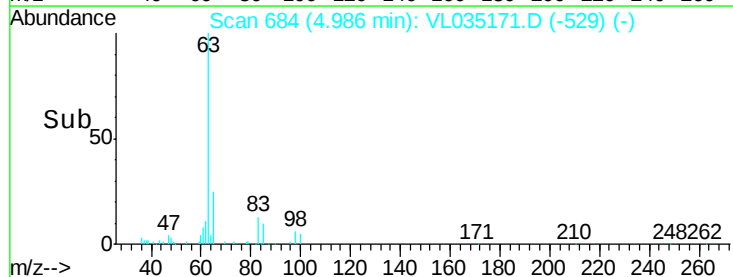
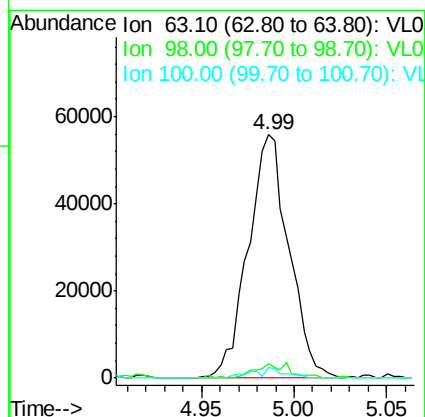
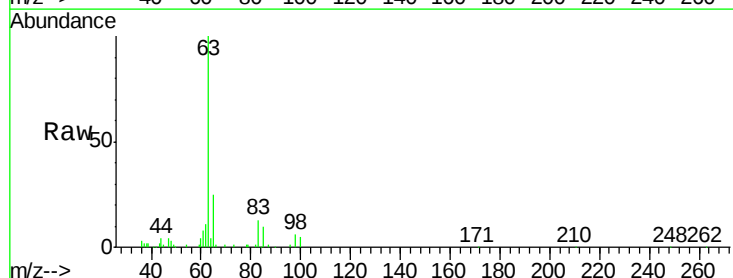
Manual Integrations
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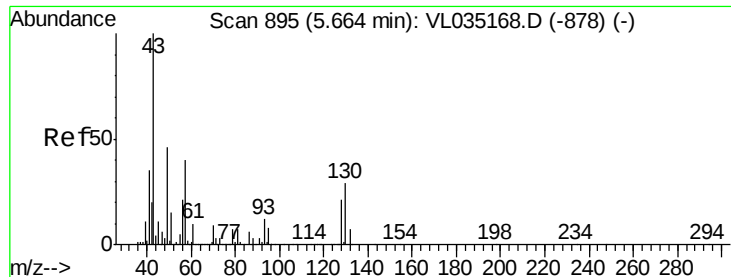
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#24
 1,1-Dichloroethane
 Concen: 0.562 ppbv
 RT: 4.99 min Scan# 684
 Delta R.T. -0.00 min
 Lab File: VL035171.D
 Acq: 8 Jul 2020 4:33

Tgt Ion	63	Resp	85726
Ion	Ratio	Lower	Upper
63	100		
98	5.8	2.4	7.1
100	4.5	1.4	4.0#





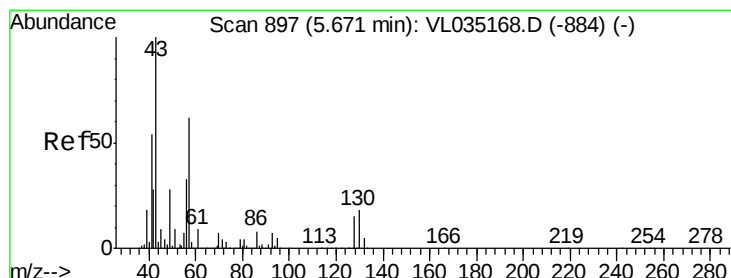
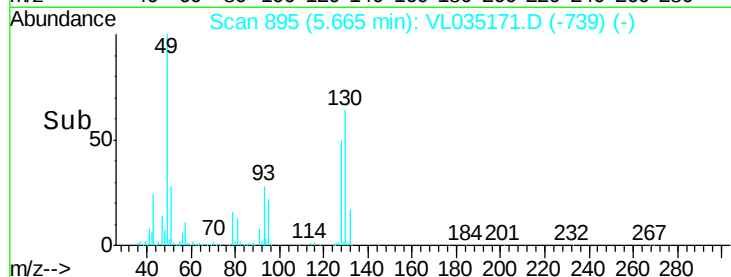
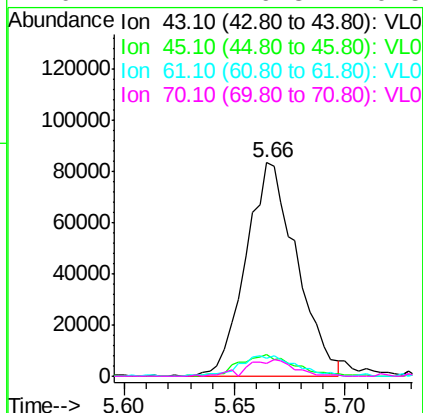
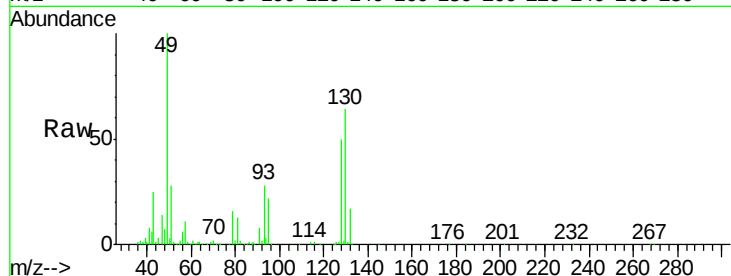
#25
Ethyl Acetate
Concen: 0.497 ppbv
RT: 5.66 min Scan# 895
Delta R.T. 0.00 min
Lab File: VL035171.D
Acq: 8 Jul 2020 4:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	11.4	8.5	12.7	
61	11.0	8.1	12.1	
70	7.4	6.3	9.5	

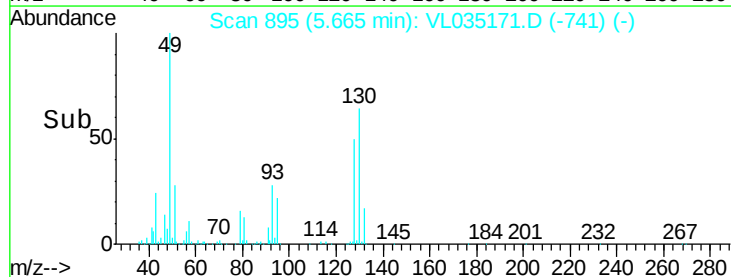
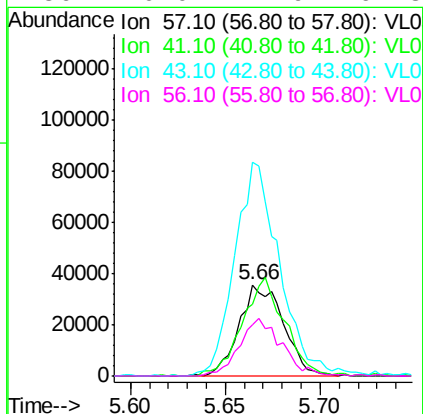
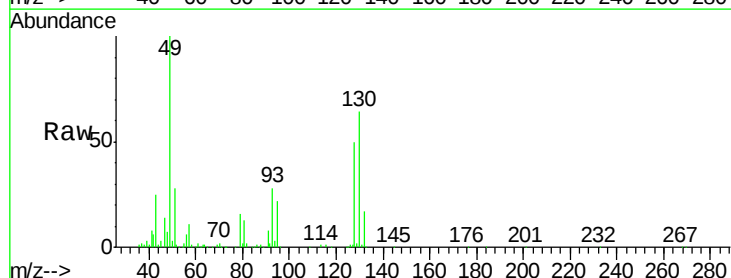
Manual Integrations
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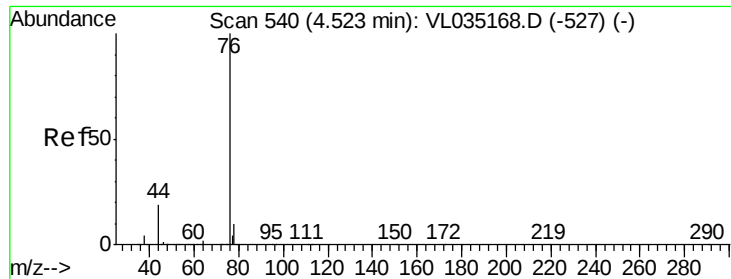
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#26
Hexane
Concen: 0.481 ppbv m
RT: 5.66 min Scan# 895
Delta R.T. -0.01 min
Lab File: VL035171.D
Acq: 8 Jul 2020 4:33

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	0.0	72.9	109.3#	
43	237.9	179.5	269.3	
56	0.0	42.9	64.3#	





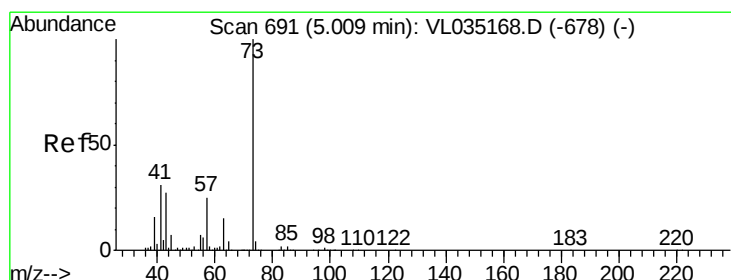
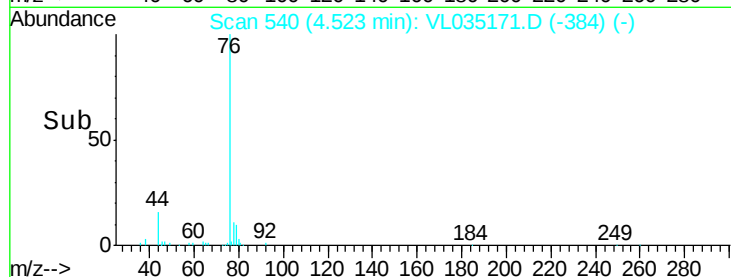
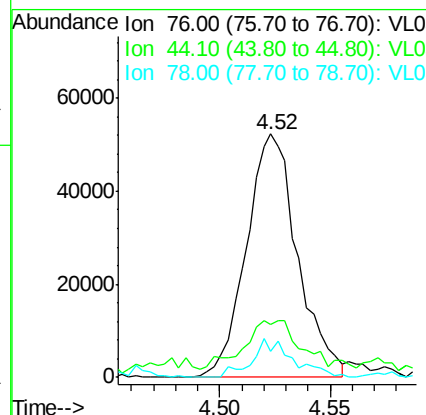
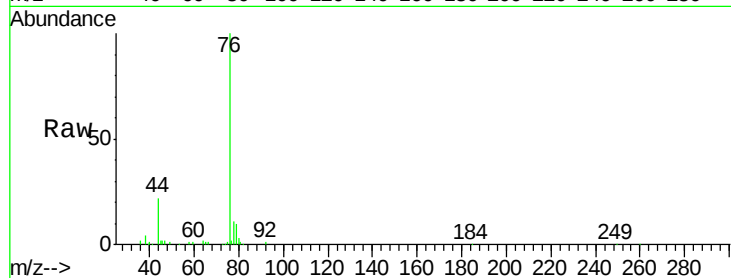
#27
Carbon Disulfide
Concen: 0.651 ppbv
RT: 4.52 min Scan# 540
Delta R.T. 0.00 min
Lab File: VL035171.D
Acq: 8 Jul 2020 4:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
76	100		
44	23.0	14.9	22.3#
78	12.5	7.5	11.3#

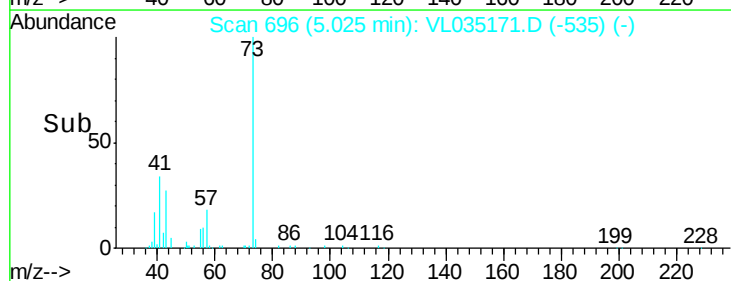
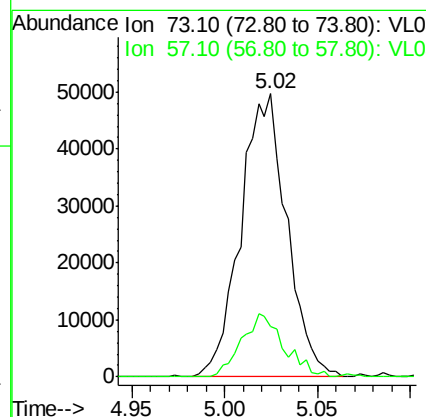
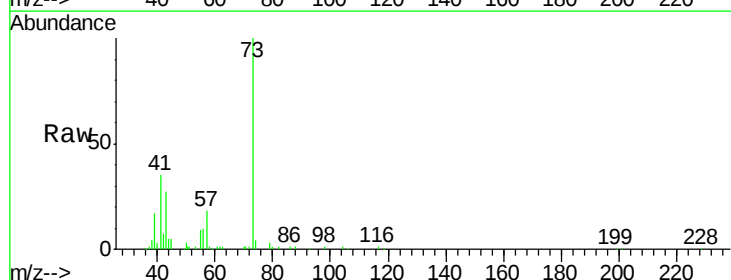
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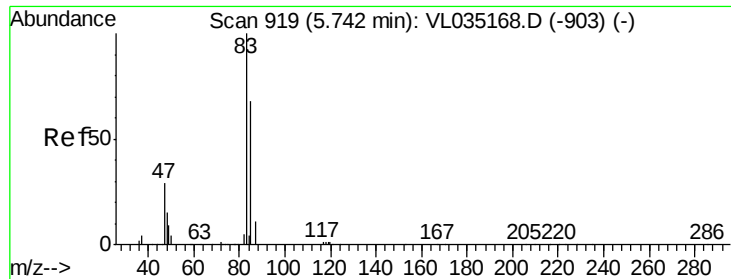
MMDadoda
7/9/2020 12:02:33 PM



#28
Methyl tert-Butyl Ether
Concen: 0.501 ppbv
RT: 5.02 min Scan# 696
Delta R.T. 0.02 min
Lab File: VL035171.D
Acq: 8 Jul 2020 4:33

Tgt Ion	Ratio	Lower	Upper
73	100		
57	20.9	18.1	27.1





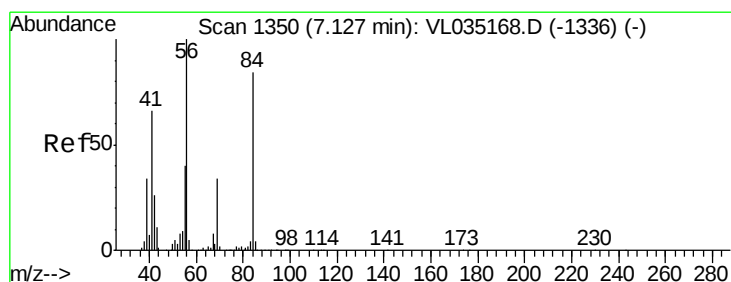
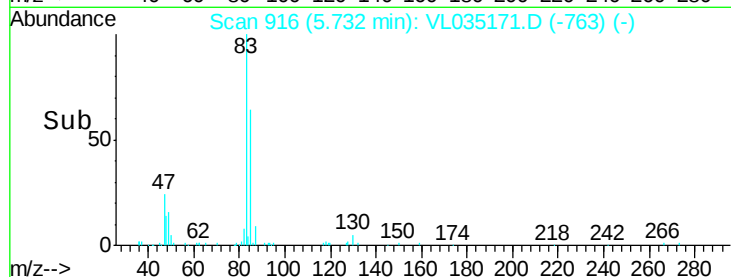
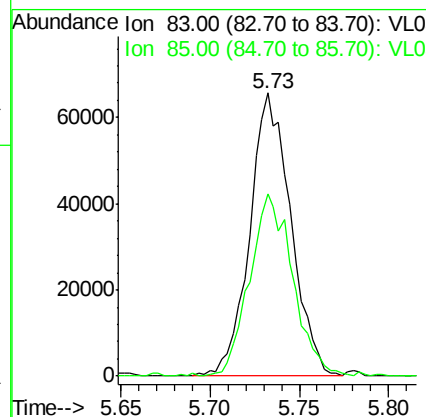
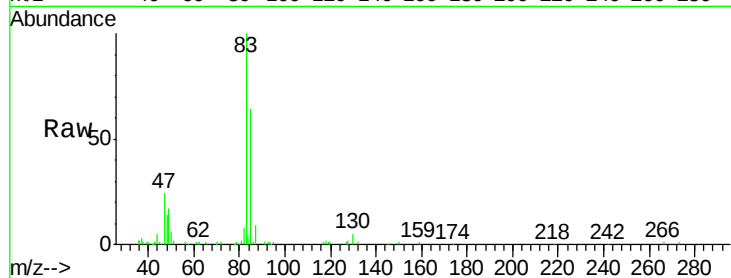
#29
Chloroform
Concen: 0.556 ppbv
RT: 5.73 min Scan# 916
Delta R.T. -0.01 min
Lab File: VL035171.D
Acq: 8 Jul 2020 4:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	83	Resp	105625
Ion Ratio	Lower	Upper	
83	100		
85	63.3	54.3	81.5

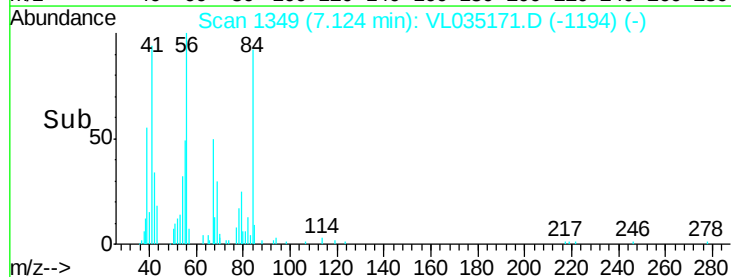
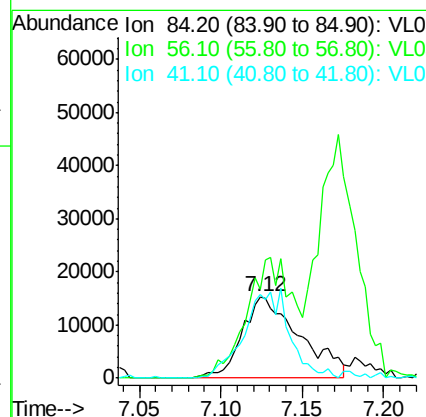
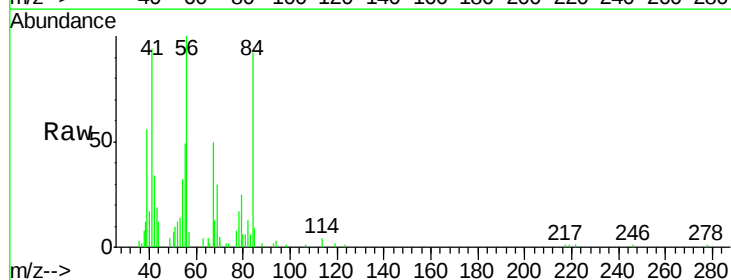
Manual Integrations
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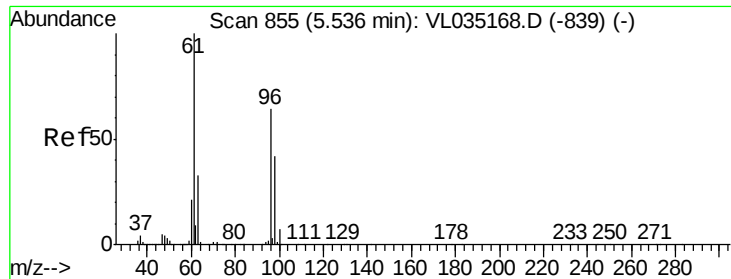
MMDadoda
7/9/2020 12:02:33 PM



#30
Cyclohexane
Concen: 0.438 ppbv m
RT: 7.12 min Scan# 1349
Delta R.T. -0.00 min
Lab File: VL035171.D
Acq: 8 Jul 2020 4:33

Tgt Ion	84	Resp	37954
Ion Ratio	Lower	Upper	
84	100		
56	117.1	105.6	158.4
41	84.6	64.9	97.3





#31

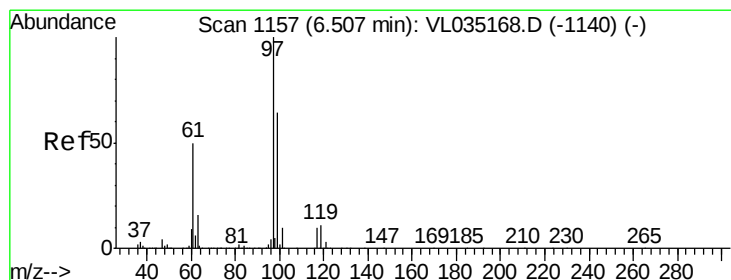
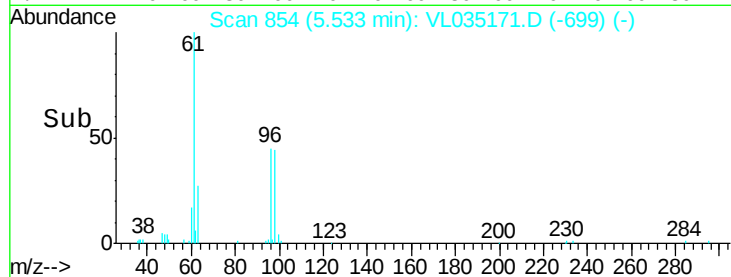
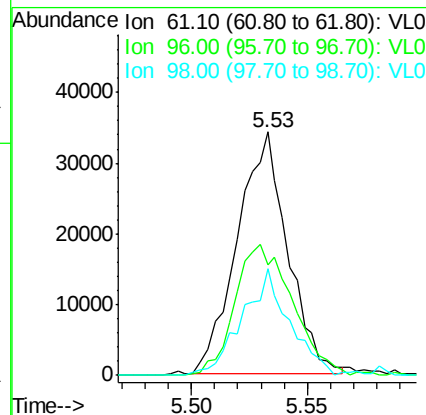
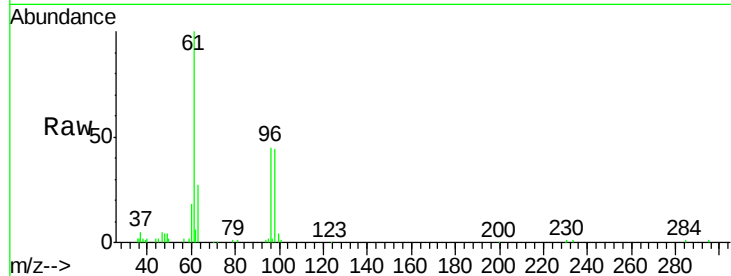
cis-1,2-Dichloroethene
 Concen: 0.468 ppbv
 RT: 5.53 min Scan# 854
 Delta R.T. -0.00 min
 Lab File: VL035171.D
 Acq: 8 Jul 2020 4:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
61	100		
96	47.4	51.3	76.9#
98	43.2	33.8	50.8

Manual Integrations
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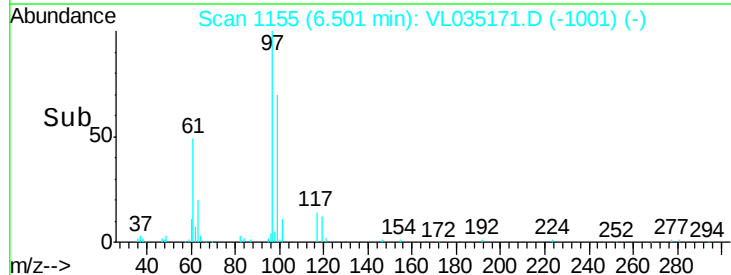
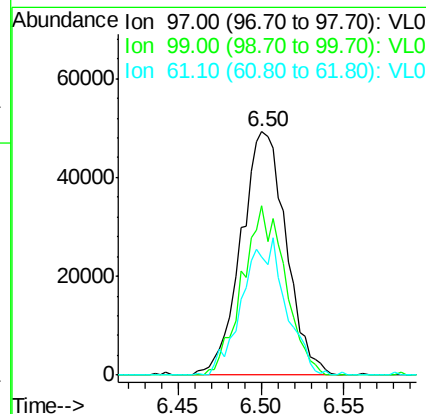
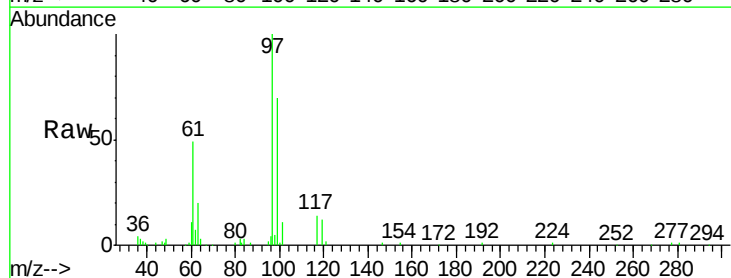
MMDadoda
 7/9/2020 12:02:33 PM

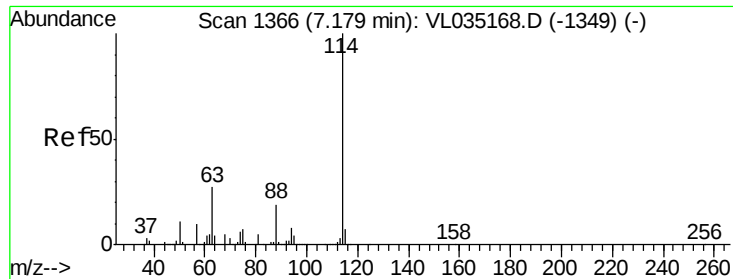


#32

1,1,1-Trichloroethane
 Concen: 0.526 ppbv
 RT: 6.50 min Scan# 1155
 Delta R.T. -0.01 min
 Lab File: VL035171.D
 Acq: 8 Jul 2020 4:33

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.0	51.2	76.8
61	53.7	40.9	61.3





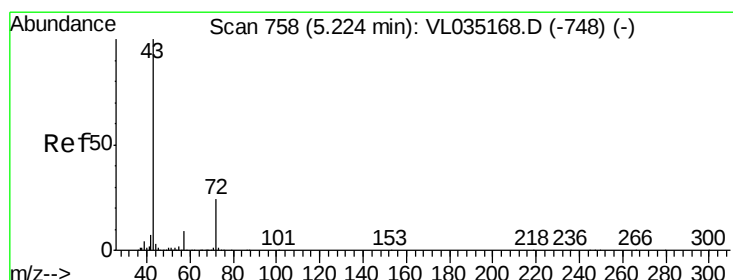
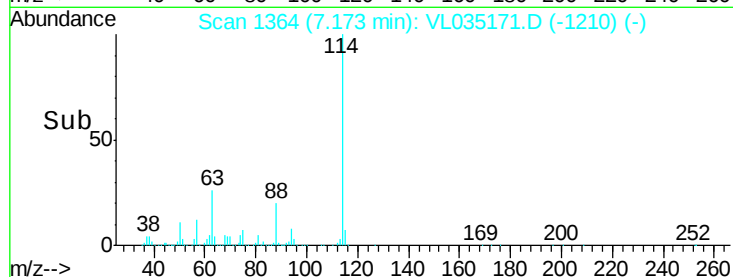
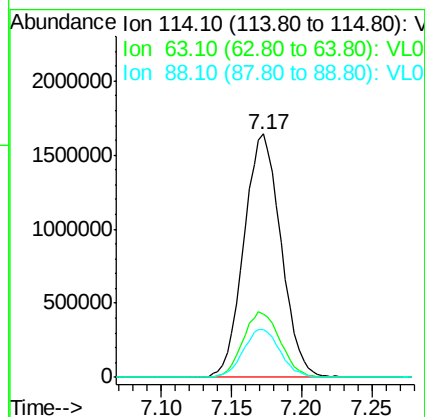
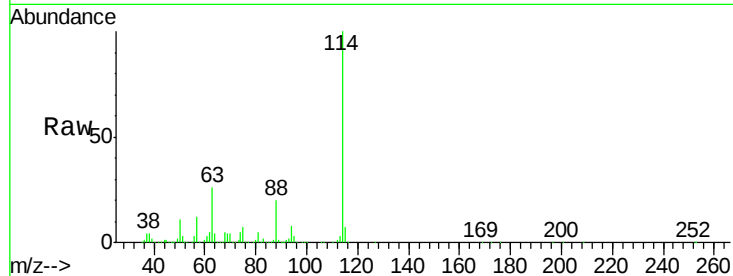
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VL035171.D
 Acq: 8 Jul 2020 4:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion:114 Resp: 3029341
 Ion Ratio Lower Upper
 114 100
 63 27.1 22.0 33.0
 88 19.6 15.4 23.0

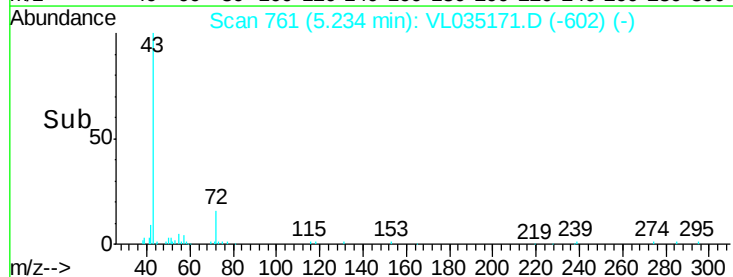
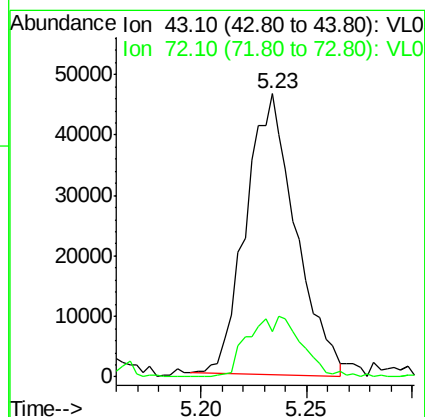
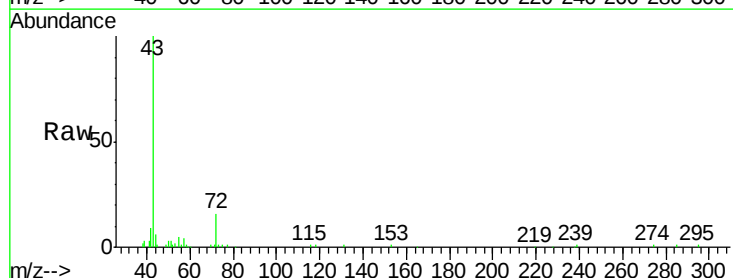
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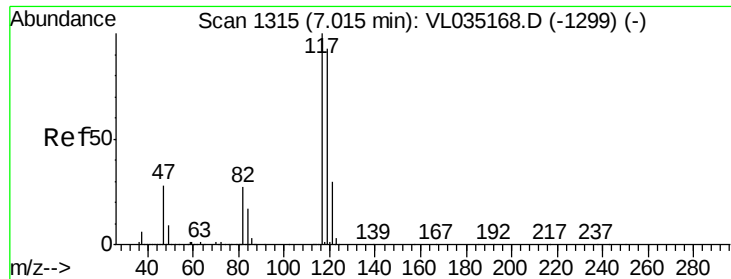
MMDadoda
 7/9/2020 12:02:33 PM



#34
 2-Butanone
 Concen: 0.446 ppbv
 RT: 5.23 min Scan# 761
 Delta R.T. 0.01 min
 Lab File: VL035171.D
 Acq: 8 Jul 2020 4:33

Tgt Ion: 43 Resp: 76420
 Ion Ratio Lower Upper
 43 100
 72 23.4 18.6 28.0





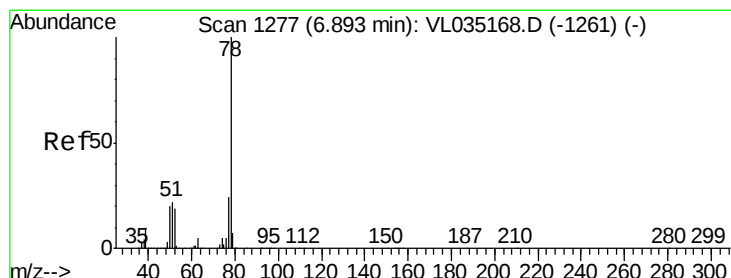
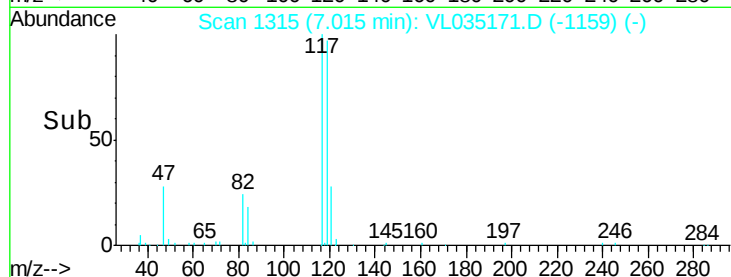
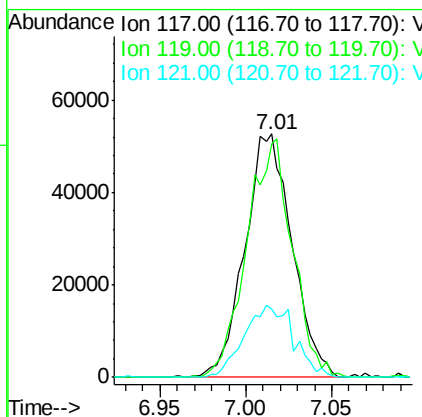
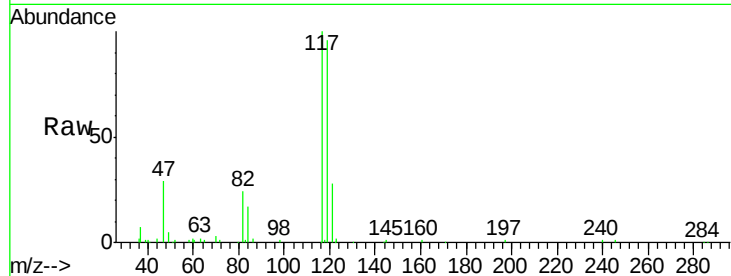
#35
Carbon Tetrachloride
Concen: 0.552 ppbv
RT: 7.01 min Scan# 1315
Delta R.T. 0.00 min
Lab File: VL035171.D
Acq: 8 Jul 2020 4:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
117	100		
119	95.8	74.8	112.2
121	27.9	24.2	36.2

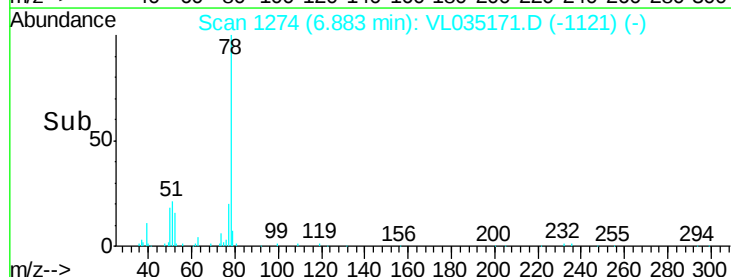
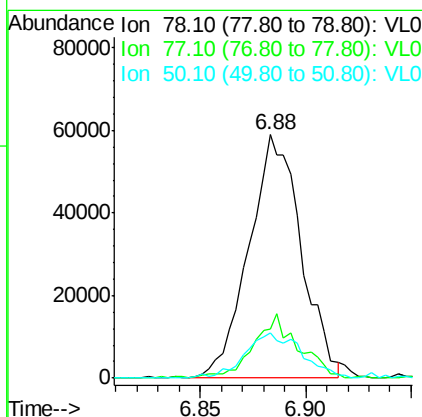
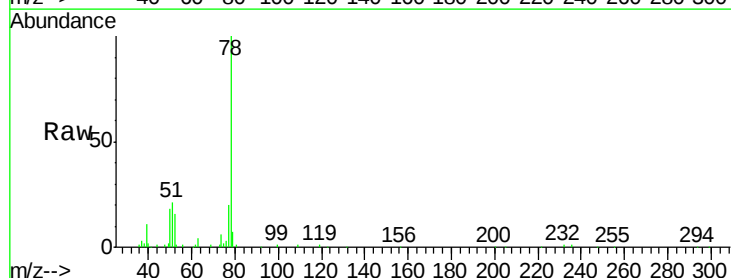
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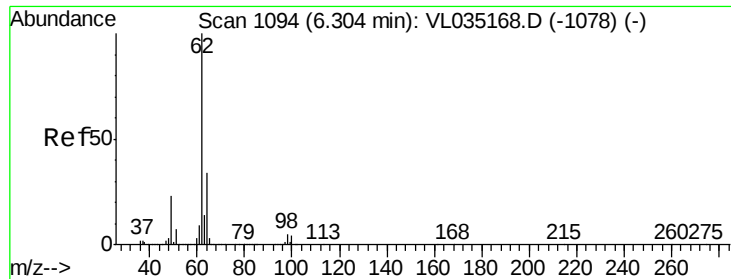
MMDadoda
7/9/2020 12:02:33 PM



#36
Benzene
Concen: 0.438 ppbv
RT: 6.88 min Scan# 1274
Delta R.T. -0.01 min
Lab File: VL035171.D
Acq: 8 Jul 2020 4:33

Tgt Ion	Ratio	Lower	Upper
78	100		
77	19.8	19.3	28.9
50	18.4	16.0	24.0





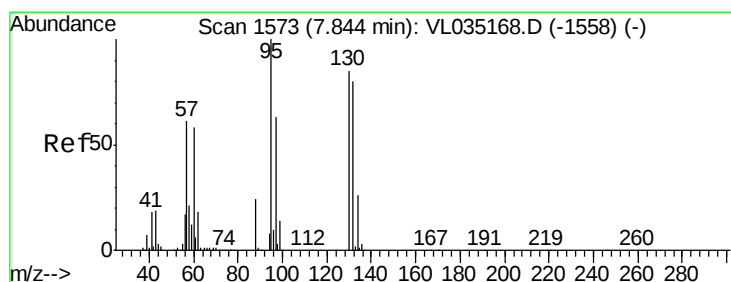
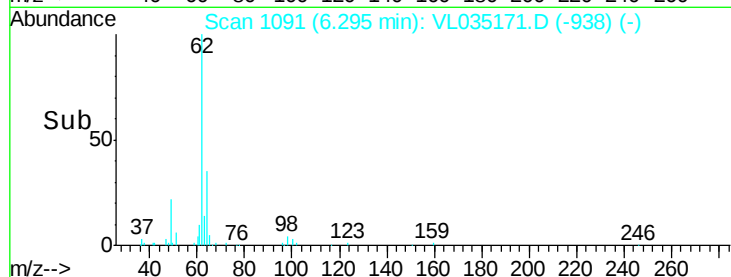
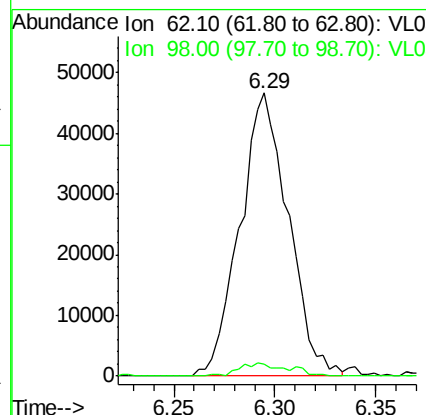
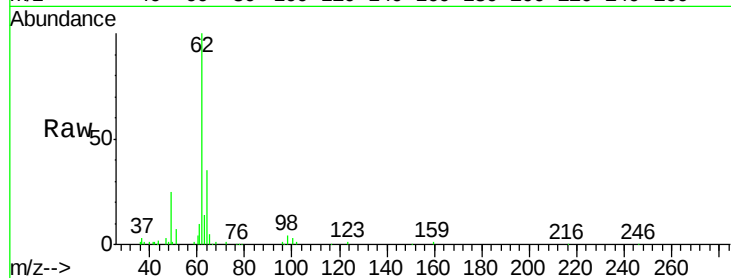
#37
 1,2-Dichloroethane
 Concen: 0.531 ppbv
 RT: 6.29 min Scan# 1091
 Delta R.T. -0.01 min
 Lab File: VL035171.D
 Acq: 8 Jul 2020 4:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
62	100		
98	4.7	4.6	6.8

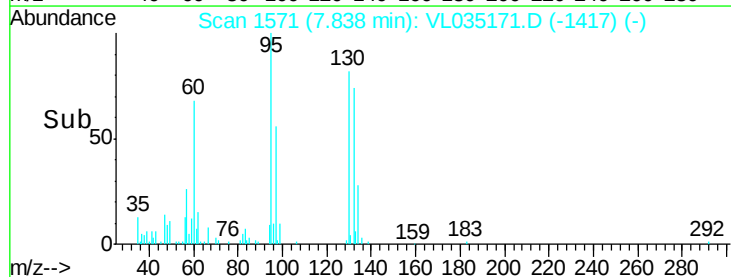
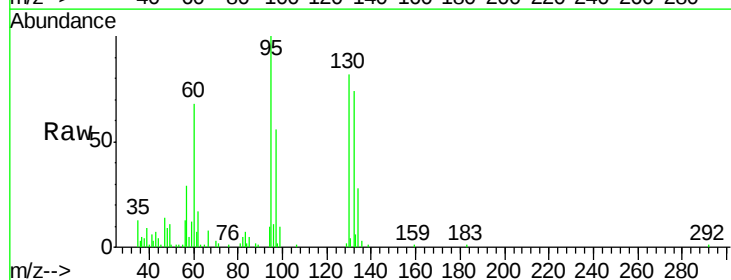
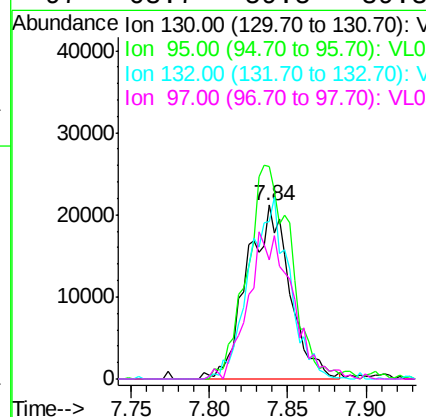
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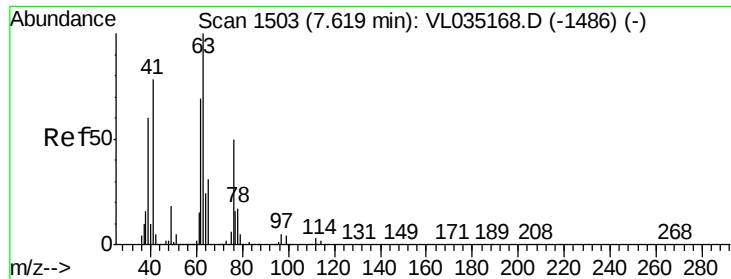
MMDadoda
 7/9/2020 12:02:33 PM



#38
 Trichloroethene
 Concen: 0.442 ppbv m
 RT: 7.84 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: VL035171.D
 Acq: 8 Jul 2020 4:33

Tgt Ion	Ratio	Lower	Upper
130	100		
95	122.2	93.8	140.8
132	90.4	75.0	112.4
97	68.7	59.5	89.3





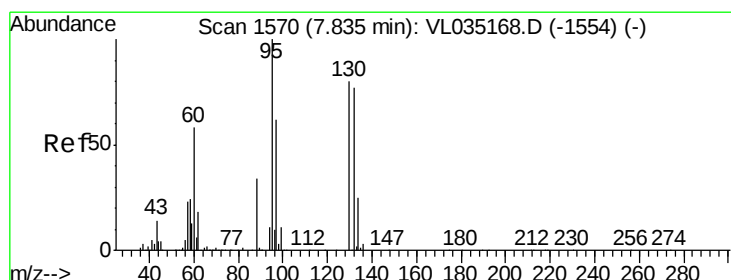
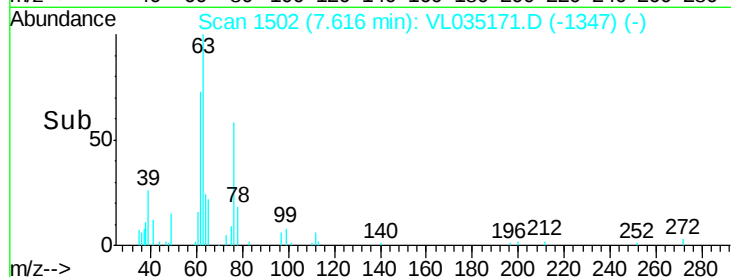
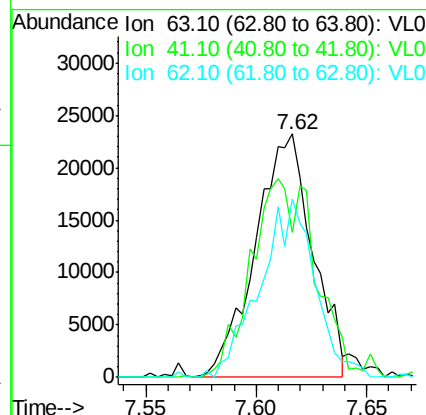
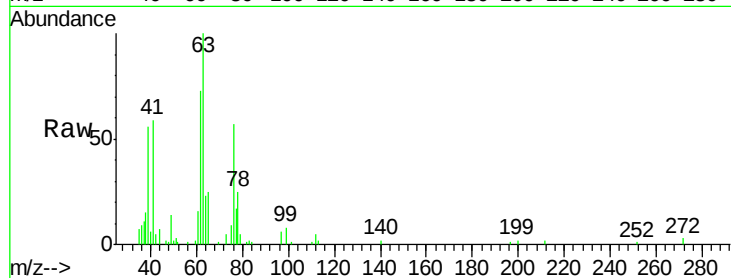
#39
 1,2-Dichloropropane
 Concen: 0.462 ppbv
 RT: 7.62 min Scan# 1502
 Delta R.T. -0.00 min
 Lab File: VL035171.D
 Acq: 8 Jul 2020 4:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
63	100		
41	59.4	62.6	94.0#
62	73.3	55.0	82.6

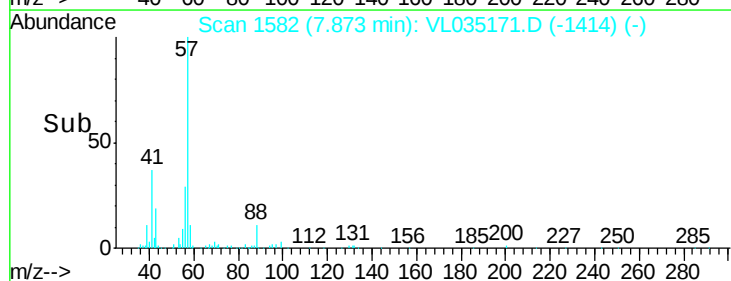
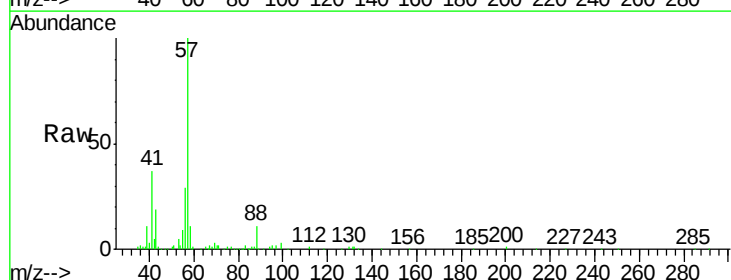
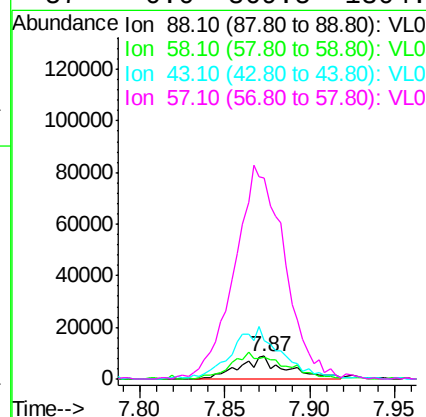
Manual Integrations
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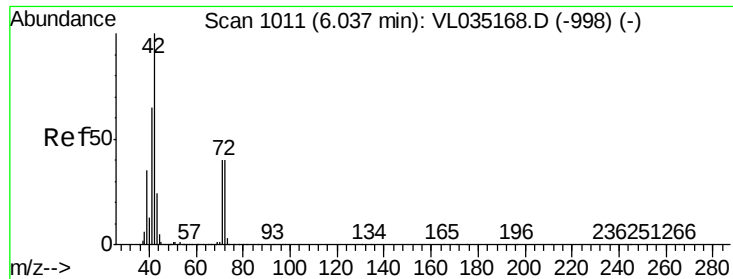
MMDadoda
 7/9/2020 12:02:33 PM



#40
 1,4-Dioxane
 Concen: 0.465 ppbv m
 RT: 7.87 min Scan# 1582
 Delta R.T. 0.04 min
 Lab File: VL035171.D
 Acq: 8 Jul 2020 4:33

Tgt Ion	Ratio	Lower	Upper
88	100		
58	135.0	100.2	150.4
43	0.0	199.8	299.8#
57	0.0	869.5	1304.3#





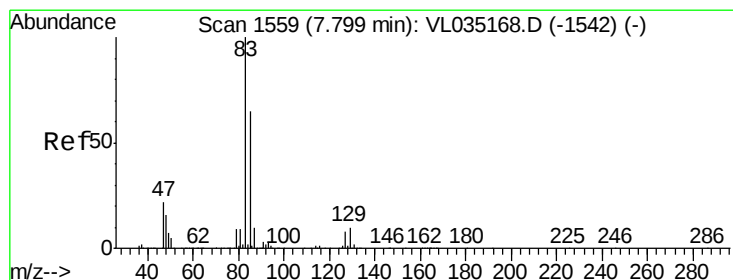
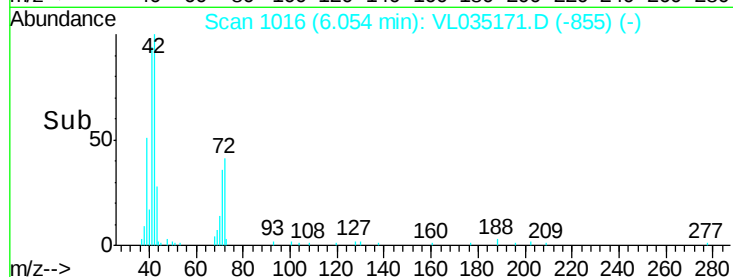
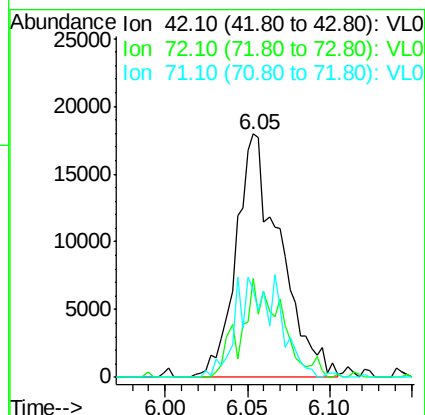
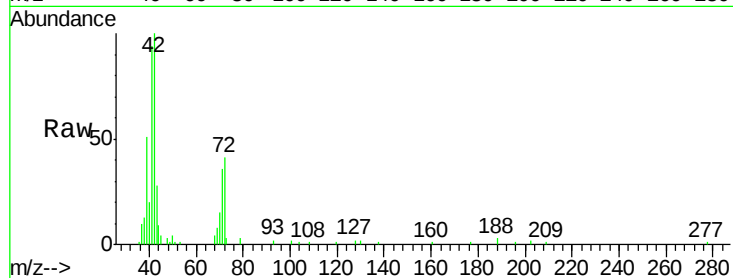
#41
Tetrahydrofuran
Concen: 0.385 ppbv m
RT: 6.05 min Scan# 1016
Delta R.T. 0.02 min
Lab File: VL035171.D
Acq: 8 Jul 2020 4:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.7	33.4	50.2
71	0.0	31.9	47.9#

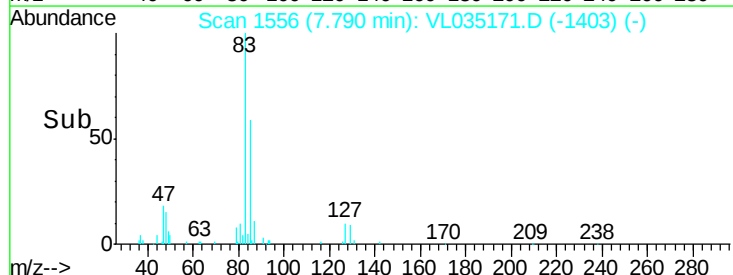
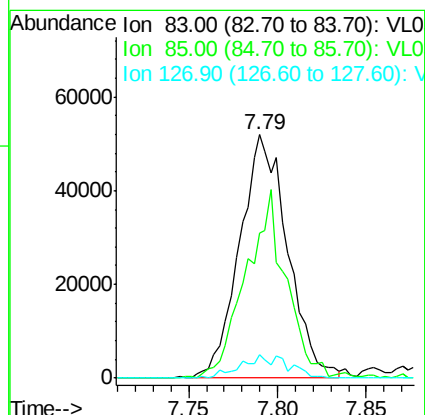
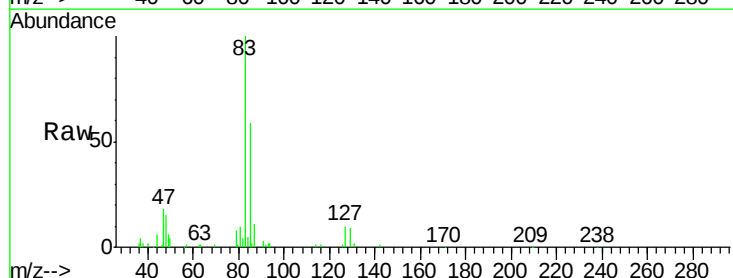
Manual Integrations
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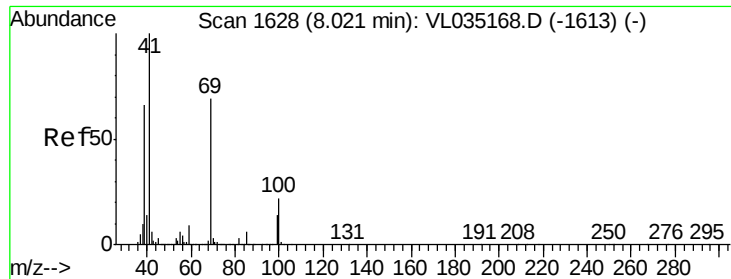
MMDadoda
7/9/2020 12:02:33 PM



#42
Bromodichloromethane
Concen: 0.509 ppbv m
RT: 7.79 min Scan# 1556
Delta R.T. -0.01 min
Lab File: VL035171.D
Acq: 8 Jul 2020 4:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	59.4	52.2	78.4
127	9.6	6.3	9.5#





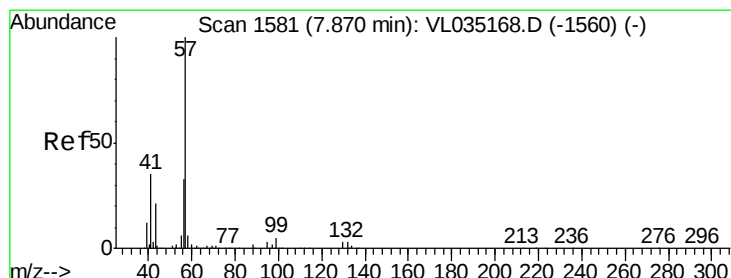
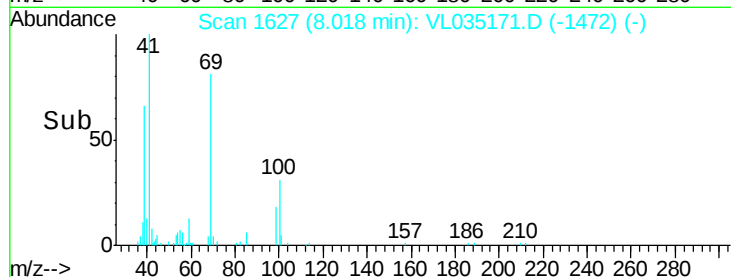
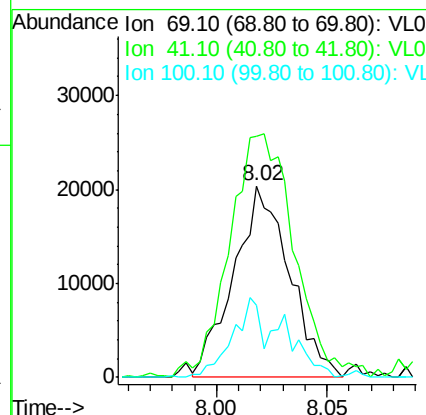
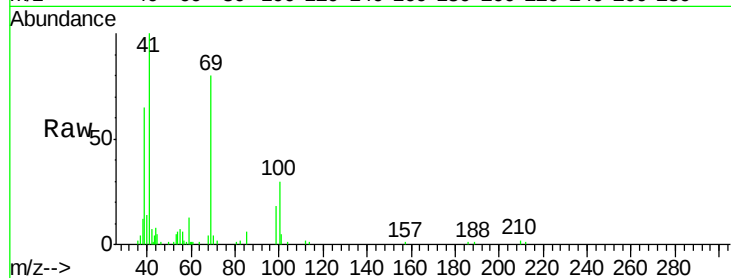
#43
Methvl Methacrylate
Concen: 0.363 ppbv
RT: 8.02 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VL035171.D
Acq: 8 Jul 2020 4:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	149.6	116.3	174.5	
100	38.0	25.6	38.4	

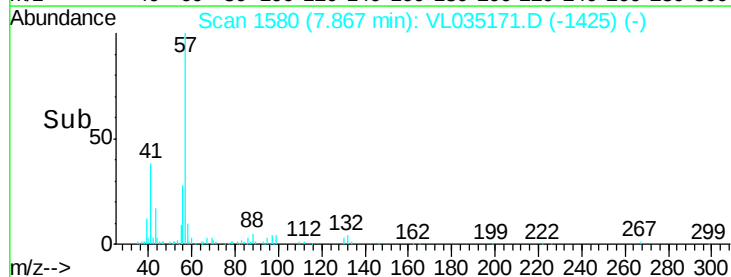
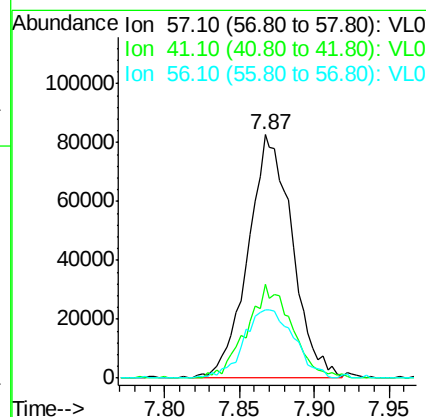
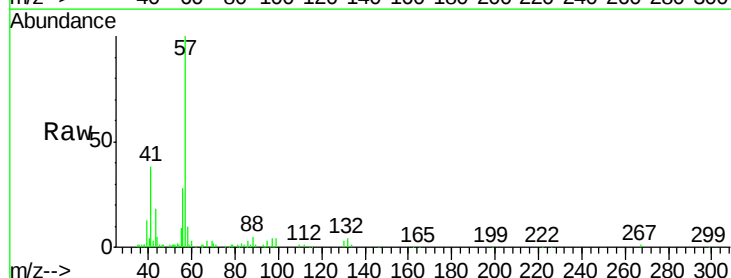
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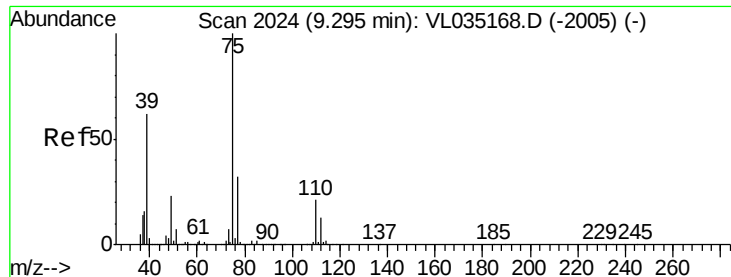
MMDadoda
7/9/2020 12:02:33 PM



#44
2,2,4-Trimethylpentane
Concen: 0.417 ppbv
RT: 7.87 min Scan# 1580
Delta R.T. -0.00 min
Lab File: VL035171.D
Acq: 8 Jul 2020 4:33

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	39.5	27.0	40.6	
56	32.4	25.5	38.3	





#45

t-1,3-Dichloropropene

Concen: 0.380 ppbv m

RT: 9.29 min Scan# 2023

Delta R.T. -0.00 min

Lab File: VL035171.D

Acq: 8 Jul 2020 4:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 75 Resp: 36422

Ion Ratio Lower Upper

75 100

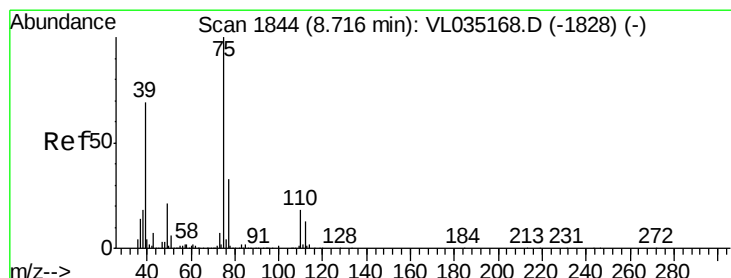
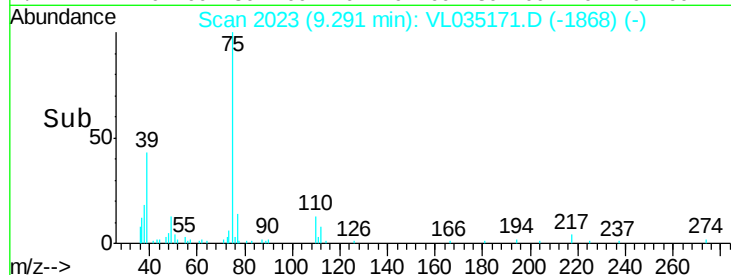
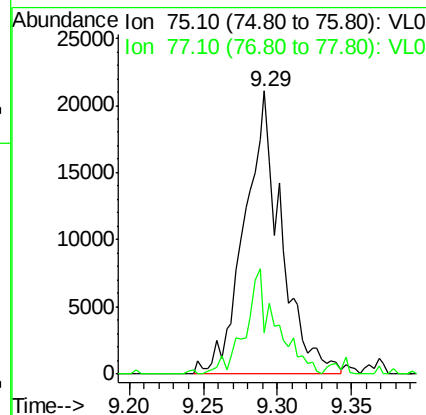
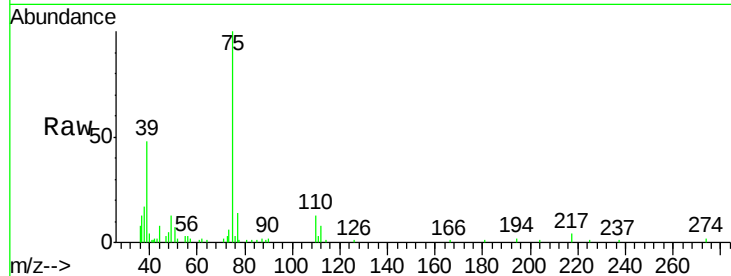
77 13.6 25.8 38.8#

Manual Integrations

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MMDadoda

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#46

cis-1,3-Dichloropropene

Concen: 0.370 ppbv m

RT: 8.71 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VL035171.D

Acq: 8 Jul 2020 4:33

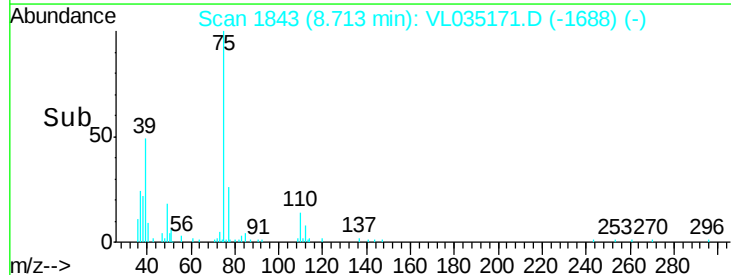
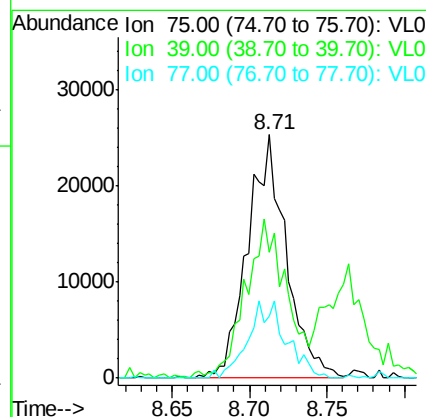
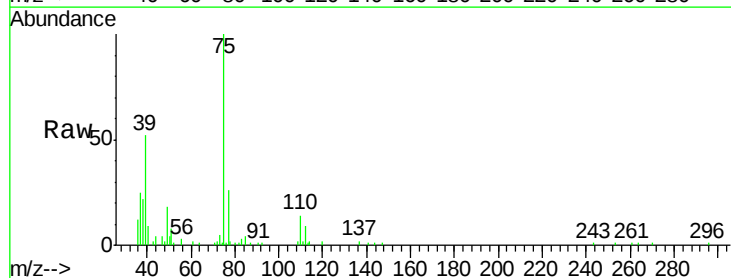
Tgt Ion: 75 Resp: 43937

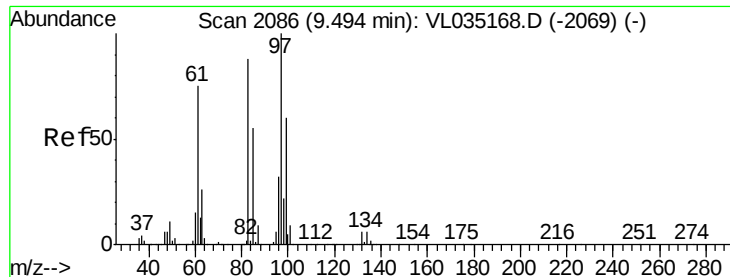
Ion Ratio Lower Upper

75 100

39 51.9 55.2 82.8#

77 25.5 26.0 39.0#





#47

1,1,2-Trichloroethane

Concen: 0.467 ppbv m

RT: 9.48 min Scan# 2083

Delta R.T. -0.01 min

Lab File: VL035171.D

Acq: 8 Jul 2020 4:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 97 Resp: 46462

Ion Ratio Lower Upper

97 100

83 63.1 70.3 105.5#

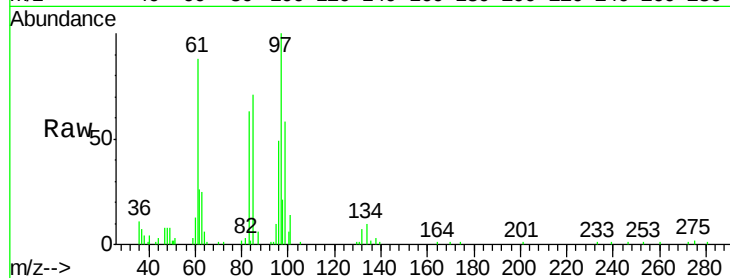
85 70.5 44.3 66.5#

99 58.3 47.8 71.6

Manual Integrations
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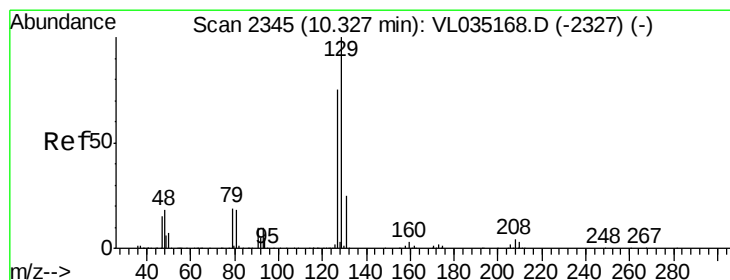
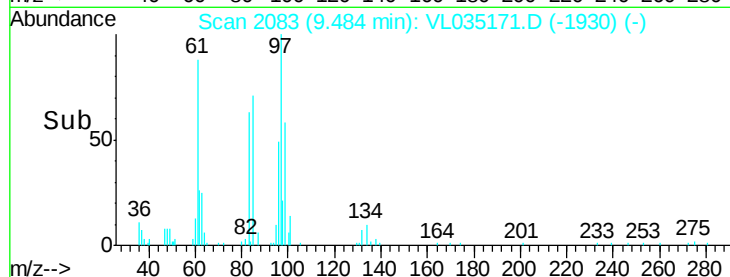
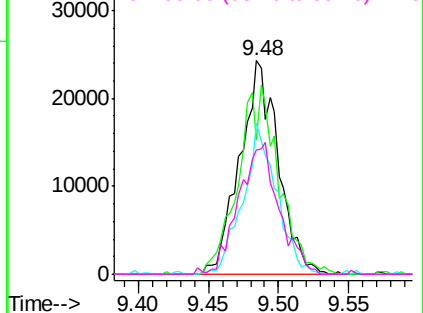


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 0.457 ppbv

RT: 10.32 min Scan# 2343

Delta R.T. -0.01 min

Lab File: VL035171.D

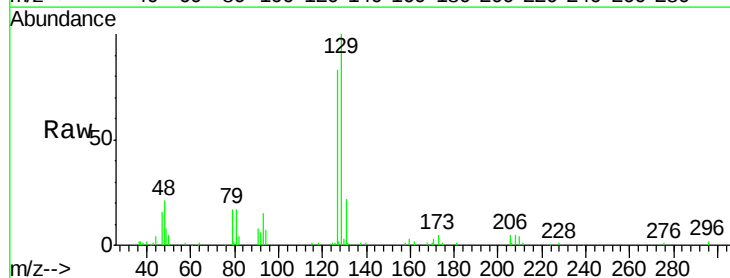
Acq: 8 Jul 2020 4:33

Tgt Ion: 129 Resp: 68324

Ion Ratio Lower Upper

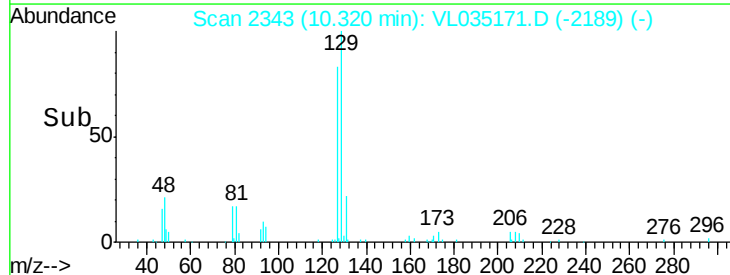
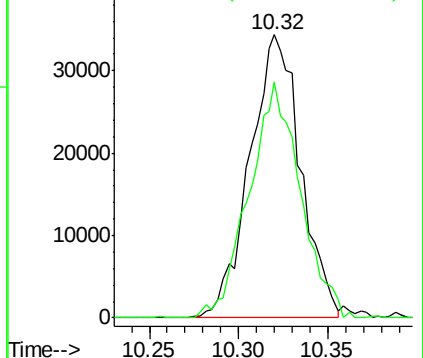
129 100

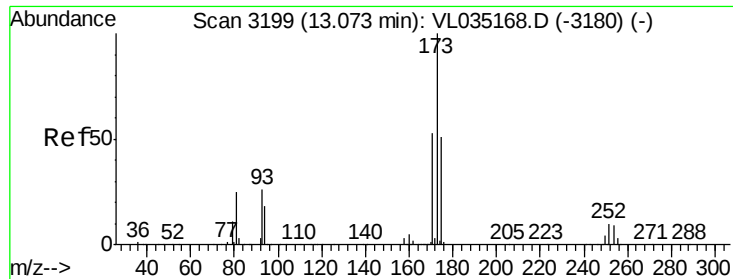
127 83.9 38.8 116.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 0.474 ppbv m

RT: 13.07 min Scan# 3198

Delta R.T. -0.00 min

Lab File: VL035171.D

Acq: 8 Jul 2020 4:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion:173 Resp: 60370

Ion Ratio Lower Upper

173 100

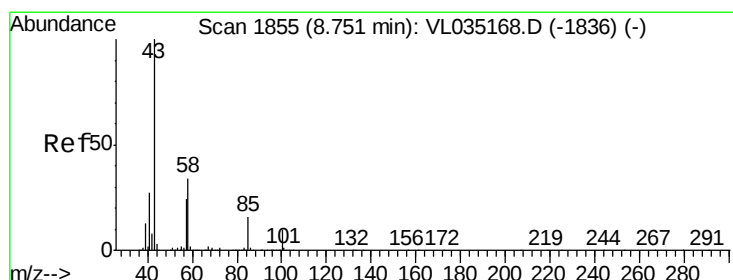
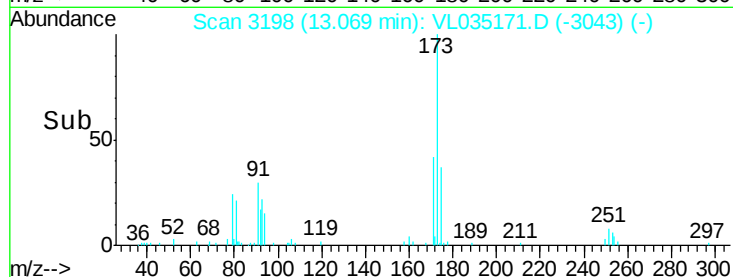
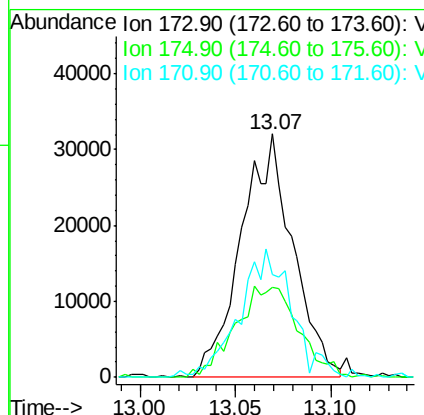
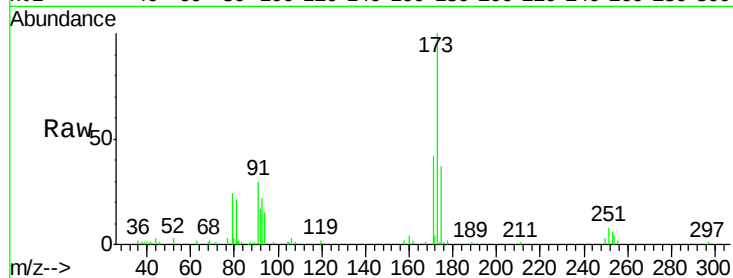
175 45.6 39.7 59.5

171 0.0 41.6 62.4#

Manual Integrations
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#50

4-Methyl-2-Pentanone

Concen: 0.385 ppbv

RT: 8.76 min Scan# 1857

Delta R.T. 0.01 min

Lab File: VL035171.D

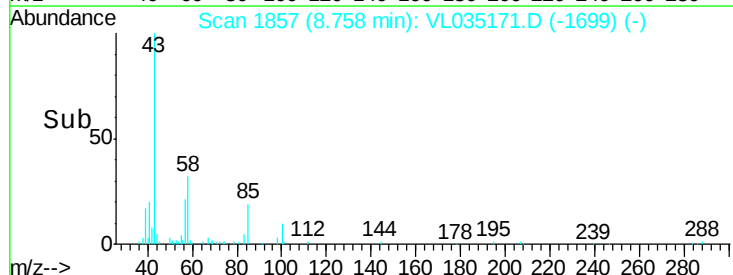
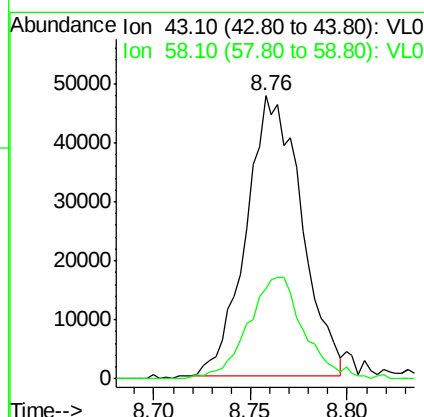
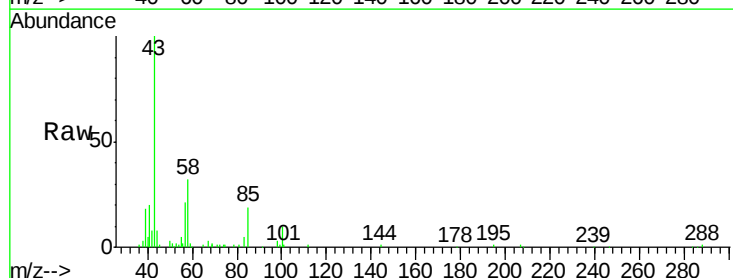
Acq: 8 Jul 2020 4:33

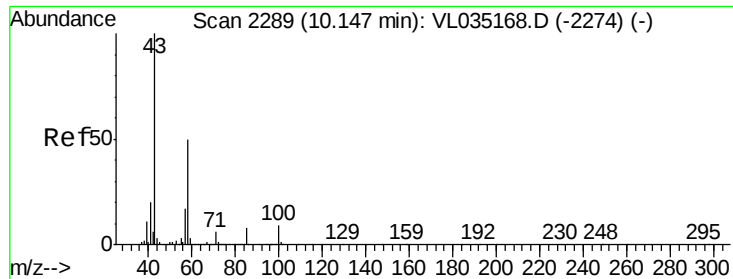
Tgt Ion: 43 Resp: 94643

Ion Ratio Lower Upper

43 100

58 36.8 29.4 44.2





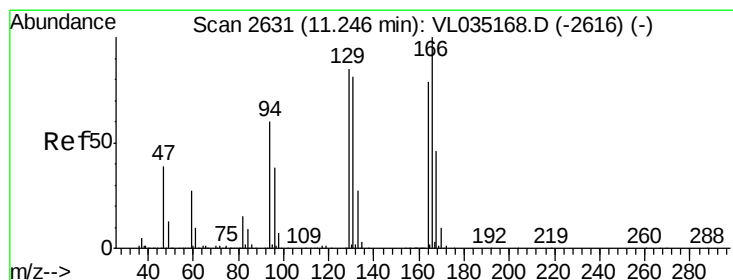
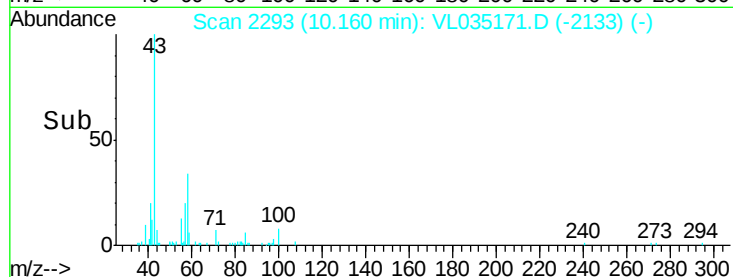
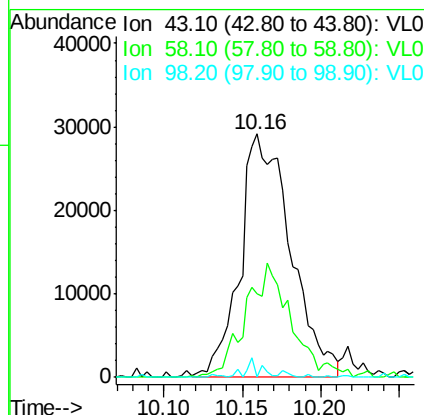
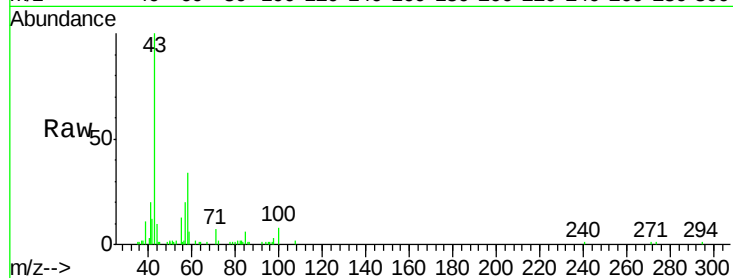
#51
2-Hexanone
Concen: 0.342 ppbv m
RT: 10.16 min Scan# 2293
Delta R.T. 0.01 min
Lab File: VL035171.D
Acq: 8 Jul 2020 4:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
43	100		
58	42.8	39.4	59.0
98	1.3	0.3	0.5

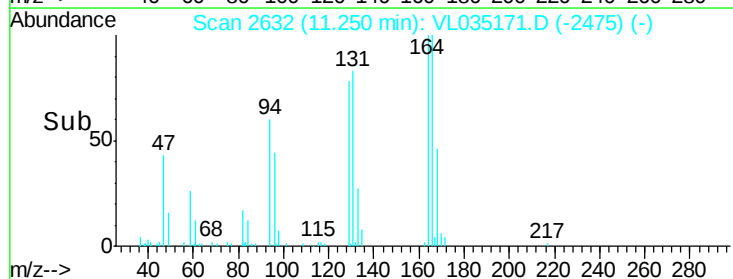
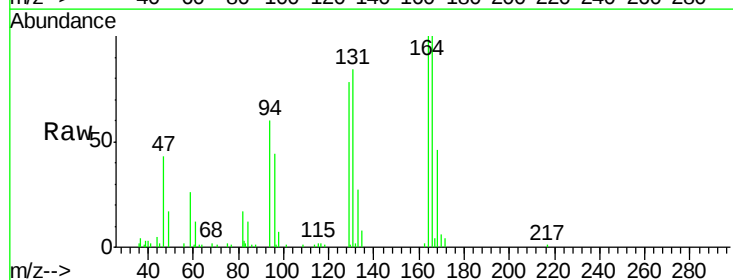
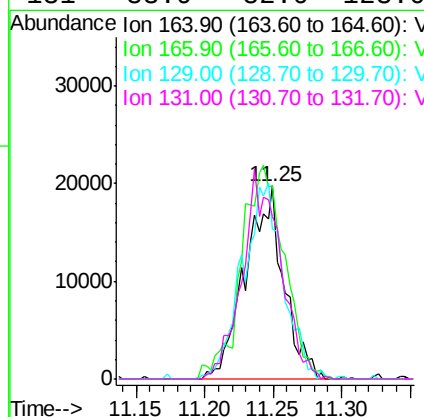
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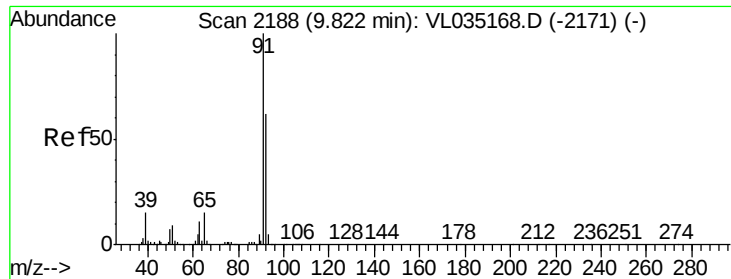
MMDadoda
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#52
Tetrachloroethene
Concen: 0.467 ppbv m
RT: 11.25 min Scan# 2632
Delta R.T. 0.00 min
Lab File: VL035171.D
Acq: 8 Jul 2020 4:33

Tgt Ion	Ratio	Lower	Upper
164	100		
166	99.8	100.7	151.1
129	77.8	85.8	128.6
131	83.9	82.0	123.0





#53

Toluene

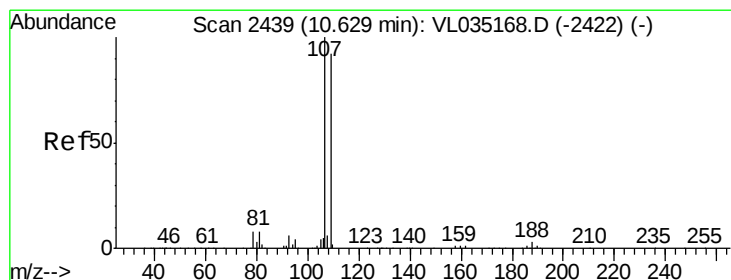
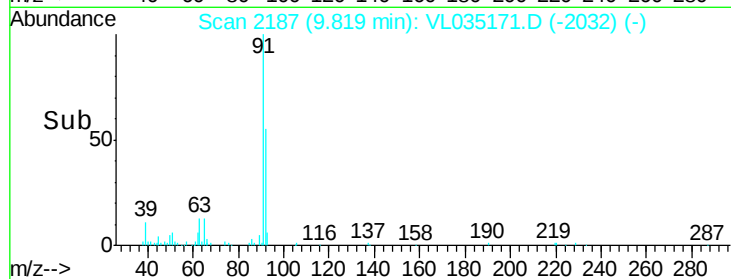
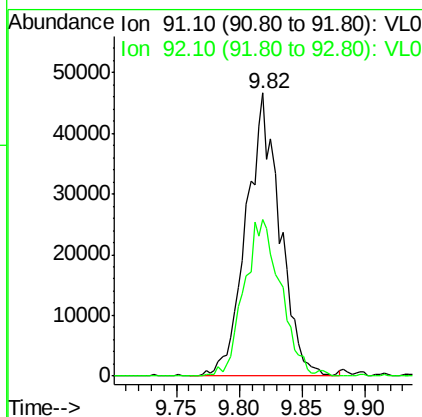
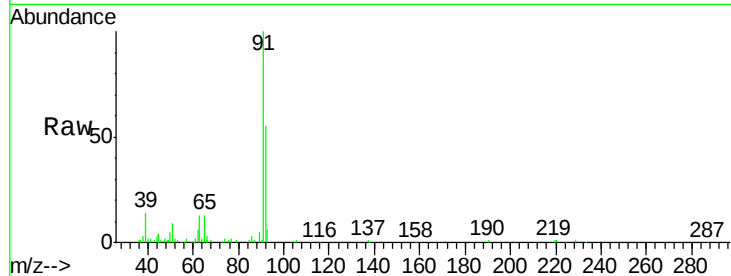
Concen: 0.349 ppbv m
RT: 9.82 min Scan# 2187
Delta R.T. -0.00 min
Lab File: VL035171.D
Acq: 8 Jul 2020 4:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
91	100		
92	60.8	48.4	72.6

Manual Integrations
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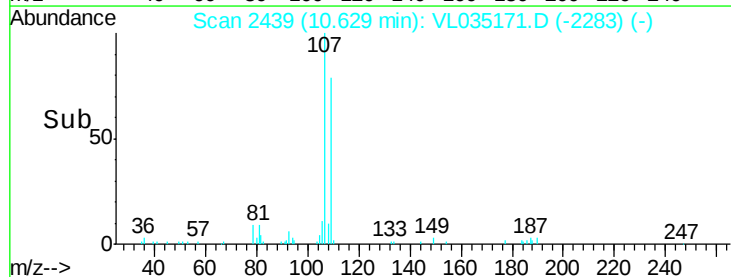
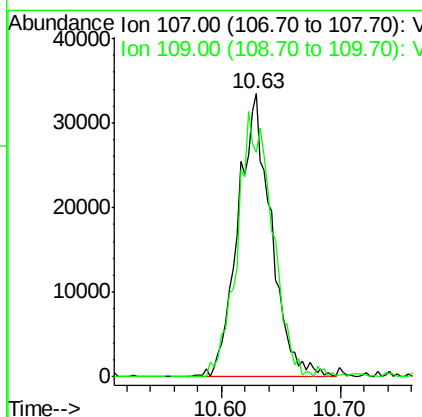
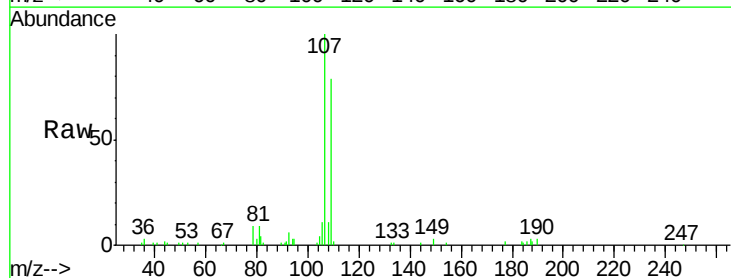


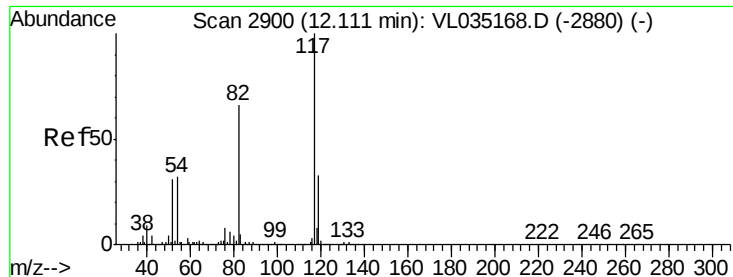
#54

1,2-Dibromoethane

Concen: 0.438 ppbv m
RT: 10.63 min Scan# 2439
Delta R.T. 0.00 min
Lab File: VL035171.D
Acq: 8 Jul 2020 4:33

Tgt Ion	Ratio	Lower	Upper
107	100		
109	79.2	74.0	111.0





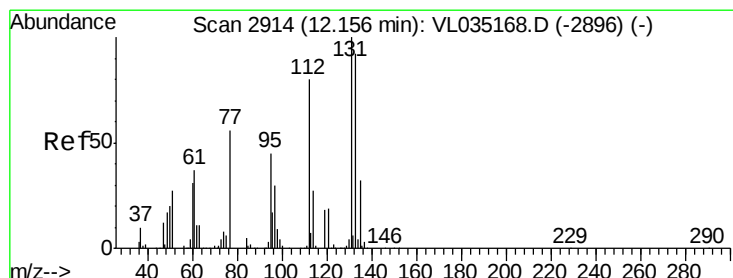
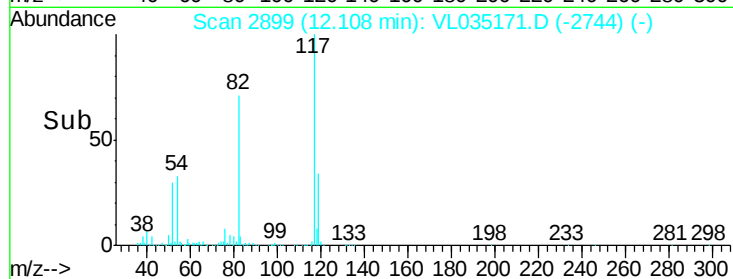
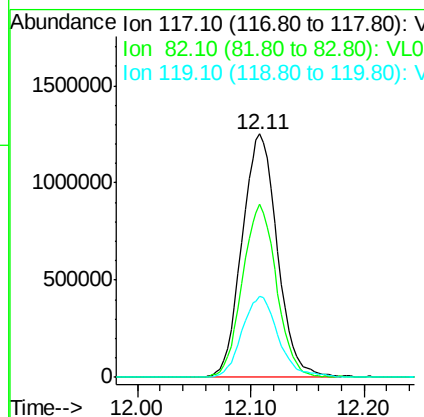
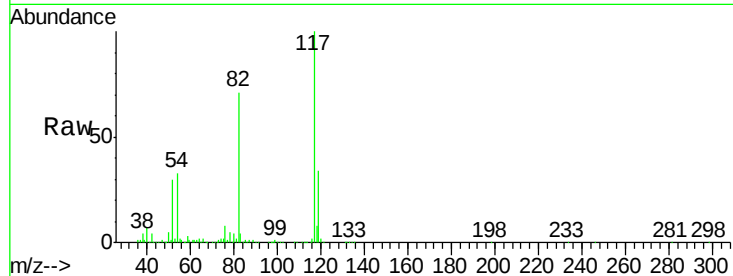
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. -0.00 min
Lab File: VL035171.D
Acq: 8 Jul 2020 4:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
117	100		
82	69.2	52.3	78.5
119	34.4	24.9	37.3

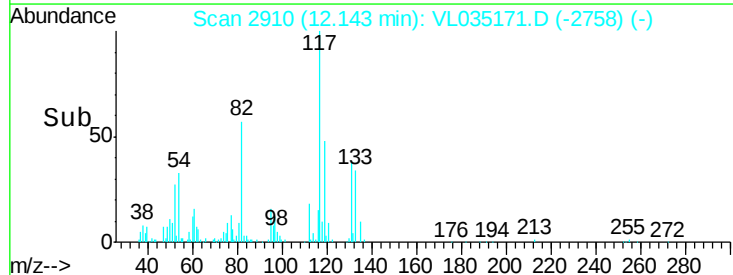
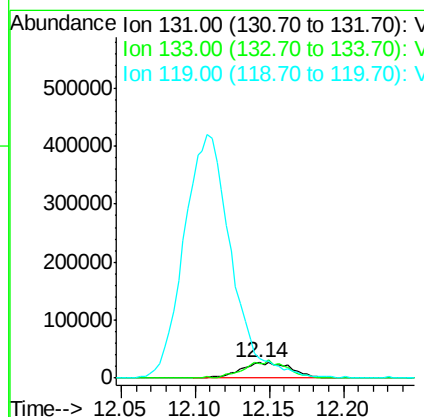
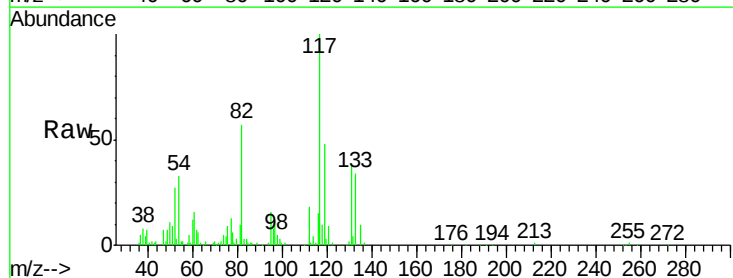
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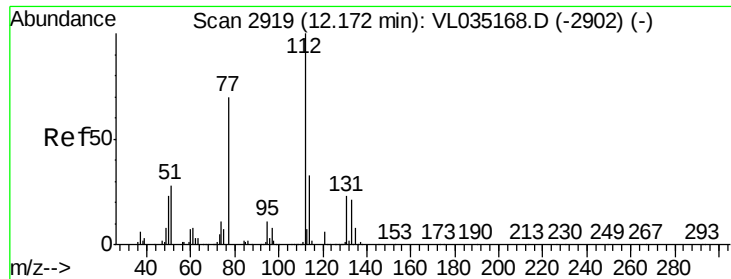
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 0.574 ppbv m
RT: 12.14 min Scan# 2910
Delta R.T. -0.01 min
Lab File: VL035171.D
Acq: 8 Jul 2020 4:33

Tgt Ion	Ratio	Lower	Upper
131	100		
133	0.0	75.4	113.2#
119	0.0	42.4	63.6#





#57

Chlorobenzene

Concen: 0.564 ppbv

RT: 12.16 min Scan# 2916

Delta R.T. -0.01 min

Lab File: VL035171.D

Acq: 8 Jul 2020 4:33

Instrument :

MSVOA_L

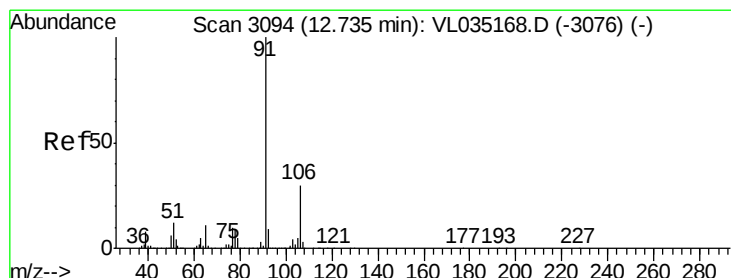
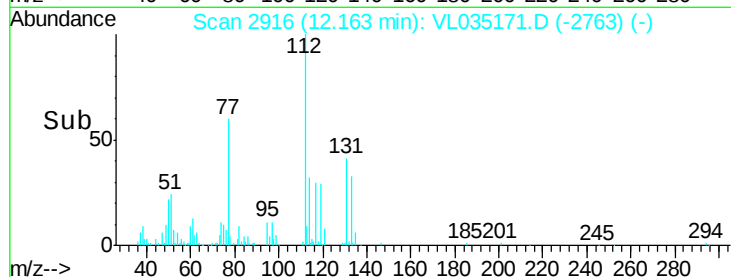
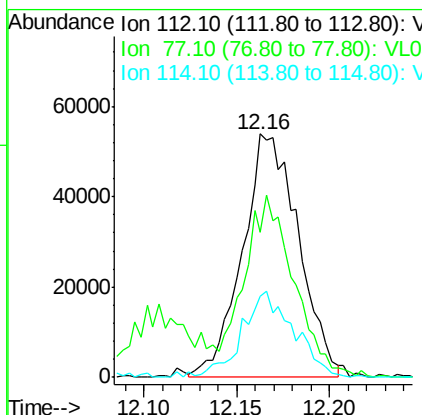
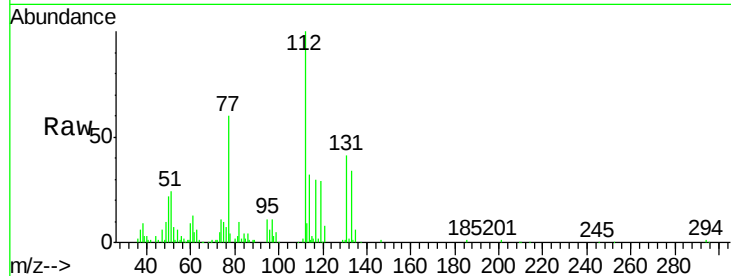
ClientSampleId :

VSTDIC0.5

Tot Ion	Ion	Ratio	Resp	Lower	Upper
112	100				
77	55.4	57.0	85.4#		
114	33.2	30.2	37.0		

Manual Integrations
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7/9/2020 12:02:33 PM



#58

Ethyl Benzene

Concen: 0.410 ppbv m

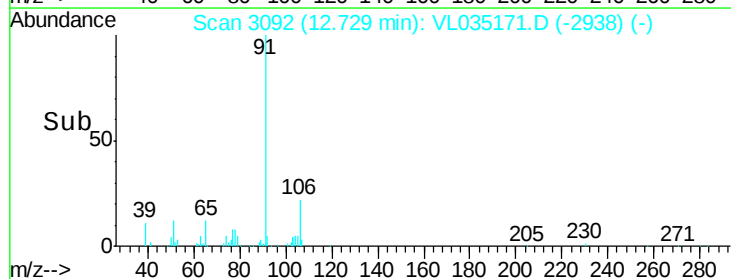
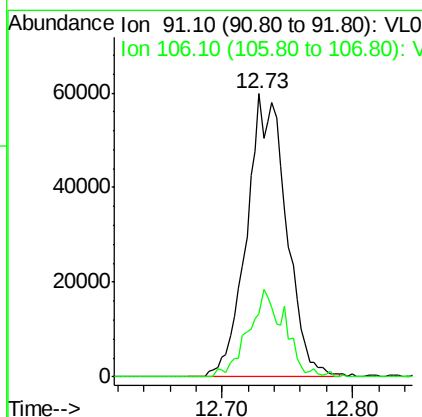
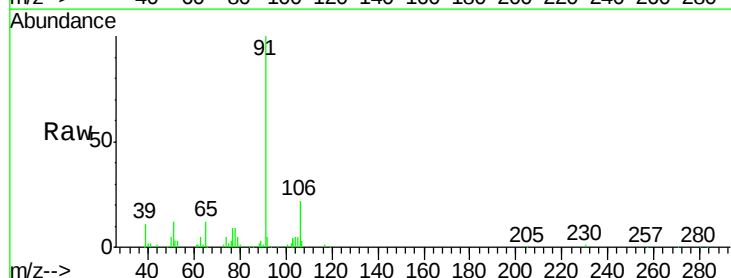
RT: 12.73 min Scan# 3092

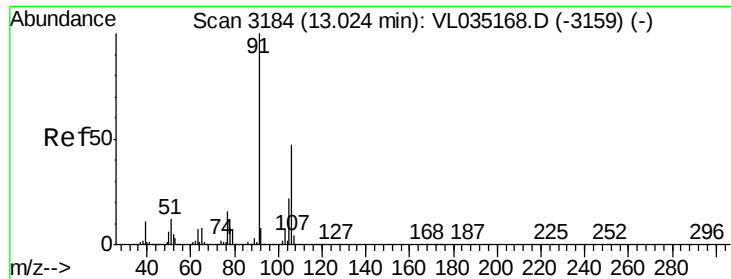
Delta R.T. -0.01 min

Lab File: VL035171.D

Acq: 8 Jul 2020 4:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100				
106	22.5	24.2	36.2#		





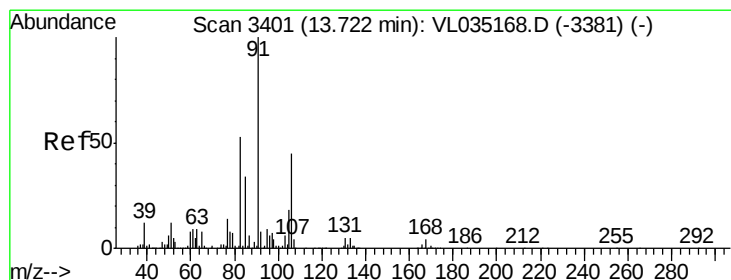
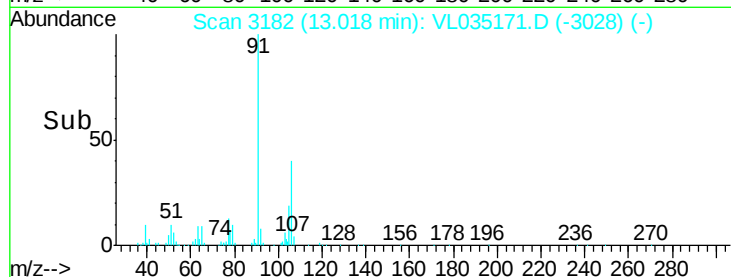
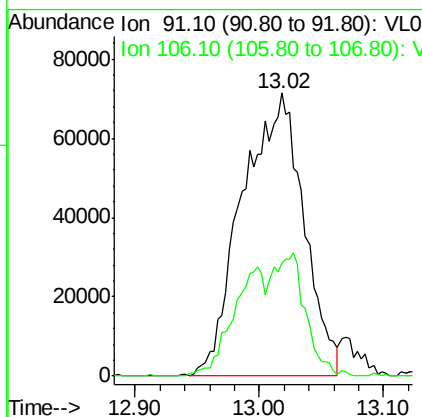
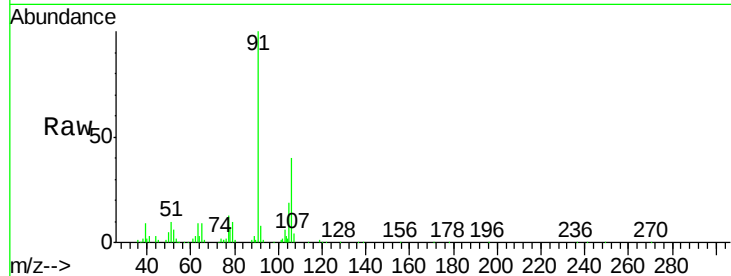
#59
m/p-Xylene
Concen: 0.902 ppbv m
RT: 13.02 min Scan# 3182
Delta R.T. -0.01 min
Lab File: VL035171.D
Acq: 8 Jul 2020 4:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion: 91 Resp: 245232
Ion Ratio Lower Upper
91 100
106 44.1 36.2 54.2

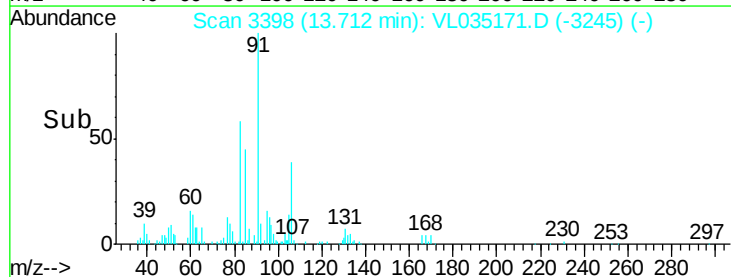
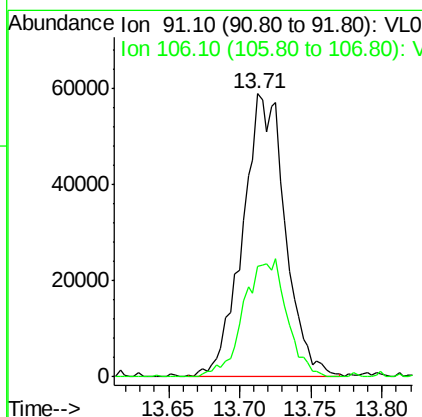
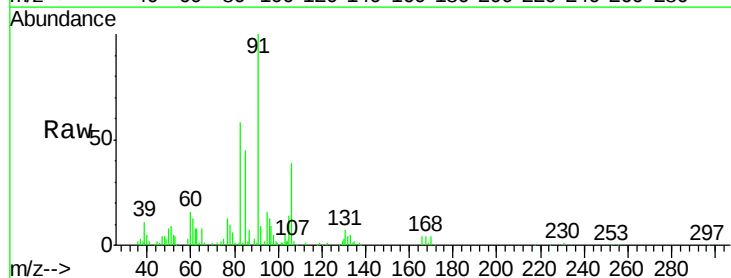
Manual Integrations
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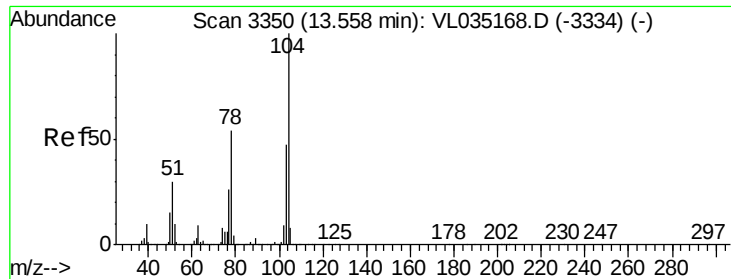
MMDadoda
7/9/2020 12:02:33 PM



#60
o-Xylene
Concen: 0.452 ppbv m
RT: 13.71 min Scan# 3398
Delta R.T. -0.01 min
Lab File: VL035171.D
Acq: 8 Jul 2020 4:33

Tgt Ion: 91 Resp: 122613
Ion Ratio Lower Upper
91 100
106 0.0 22.1 66.3#





#61

Stvrene

Concen: 0.351 ppbv m

RT: 13.56 min Scan# 3350

Delta R.T. 0.00 min

Lab File: VL035171.D

Acq: 8 Jul 2020 4:33

Instrument :

MSVOA_L

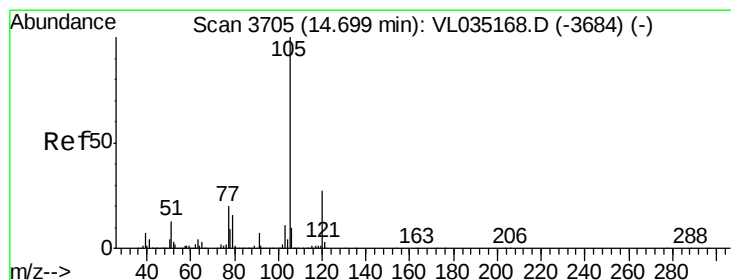
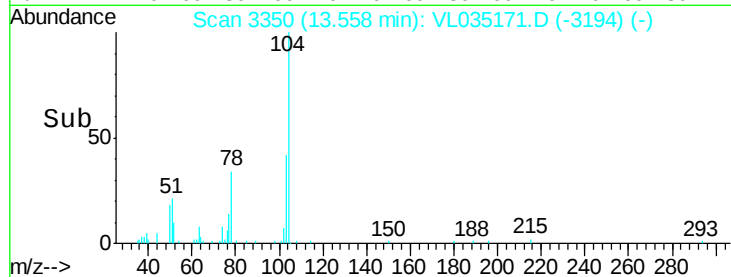
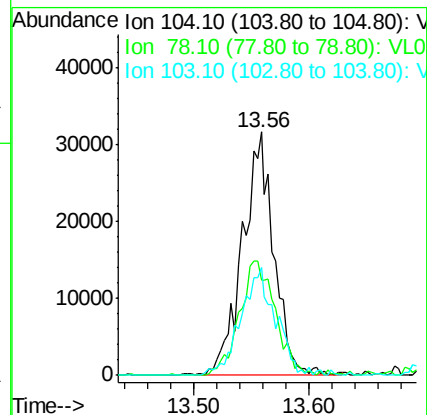
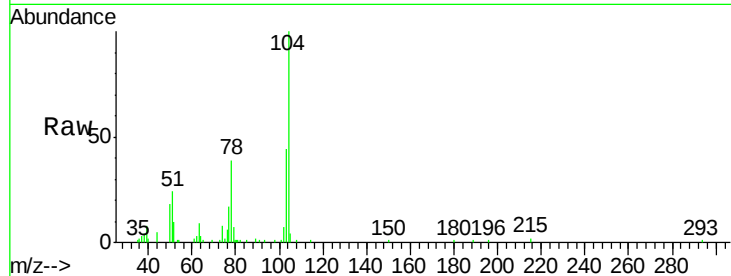
ClientSampleId :

VSTDIC0.5

Tot Ion:	104	Resp:	59931
Ion Ratio	Lower	Upper	
104	100		
78	54.1	43.4	65.0
103	49.1	37.4	56.0

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#62

Isopropylbenzene

Concen: 0.458 ppbv m

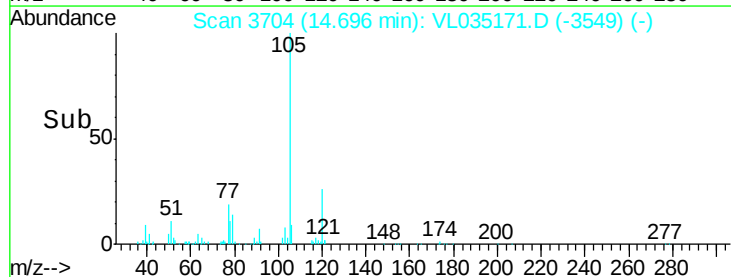
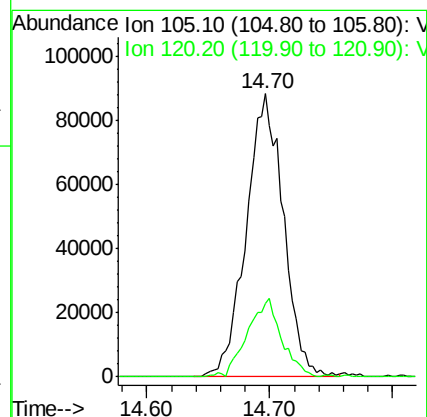
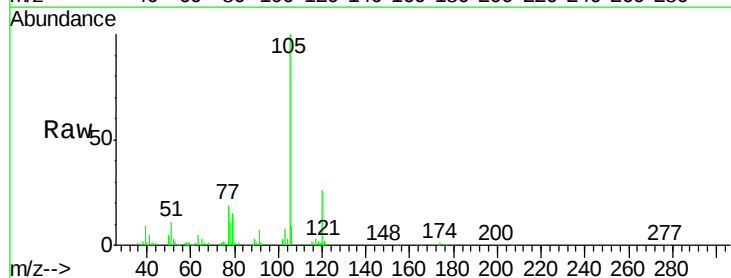
RT: 14.70 min Scan# 3704

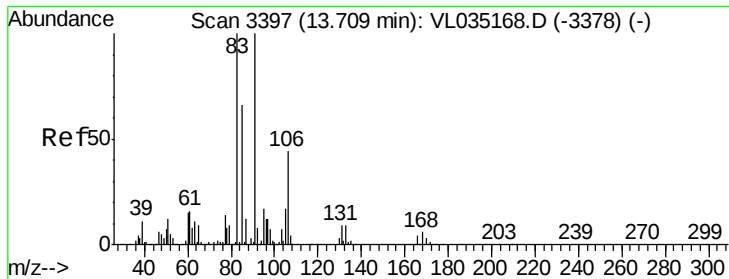
Delta R.T. -0.00 min

Lab File: VL035171.D

Acq: 8 Jul 2020 4:33

Tgt Ion:	105	Resp:	185619
Ion Ratio	Lower	Upper	
105	100		
120	25.7	20.7	31.1





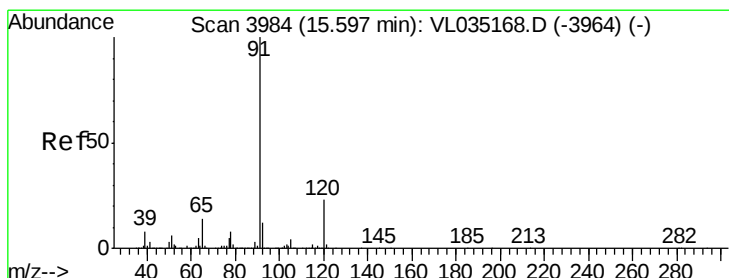
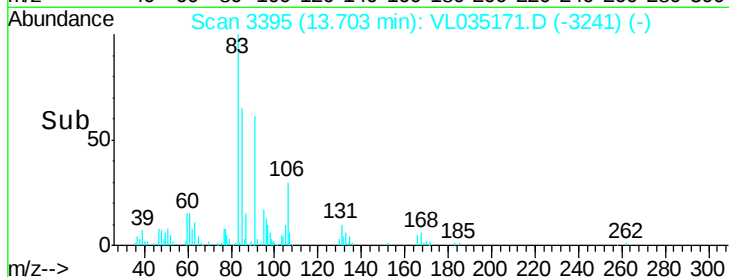
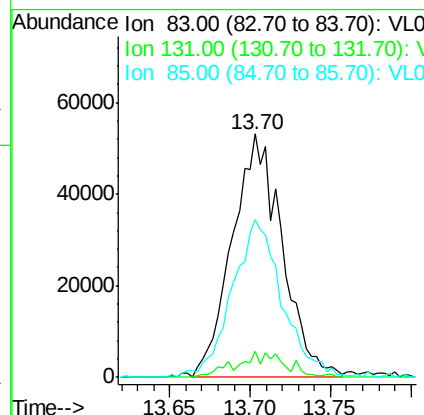
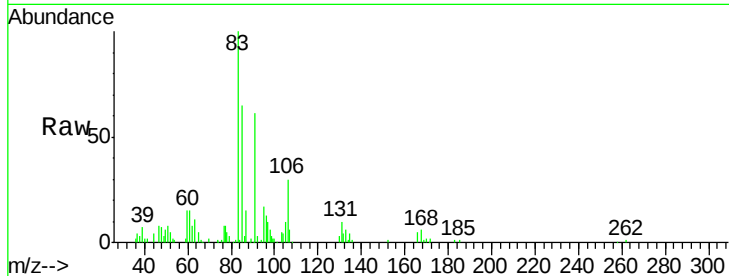
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.519 ppbv m
 RT: 13.70 min Scan# 3395
 Delta R.T. -0.01 min
 Lab File: VL035171.D
 Acq: 8 Jul 2020 4:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
83	100		
131	10.3	4.7	14.0
85	65.3	33.0	99.0

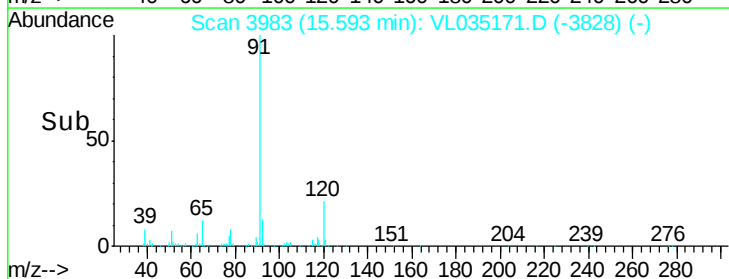
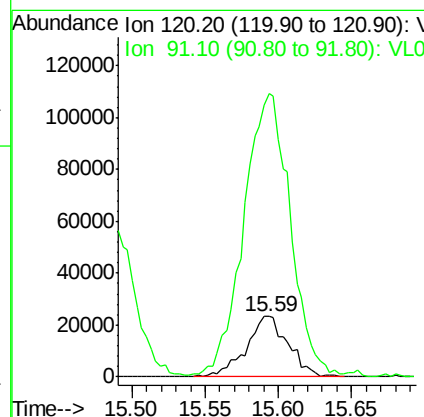
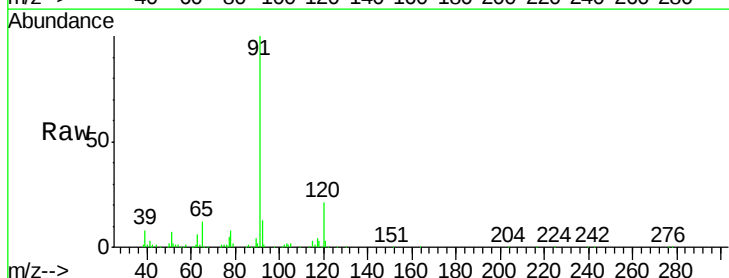
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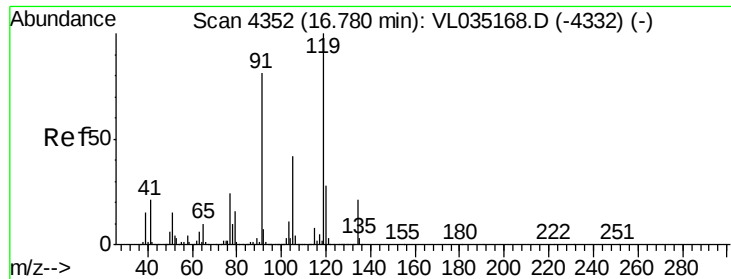
MMDadoda
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#64
 n-propylbenzene
 Concen: 0.454 ppbv m
 RT: 15.59 min Scan# 3983
 Delta R.T. -0.00 min
 Lab File: VL035171.D
 Acq: 8 Jul 2020 4:33

Tgt Ion	Ratio	Lower	Upper
120	100		
91	521.1	372.4	558.6





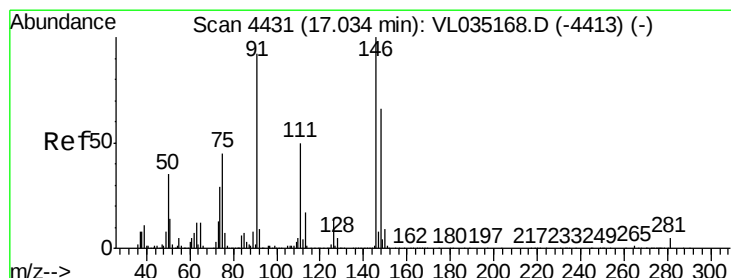
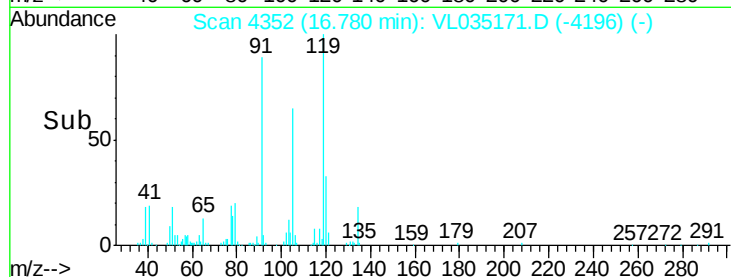
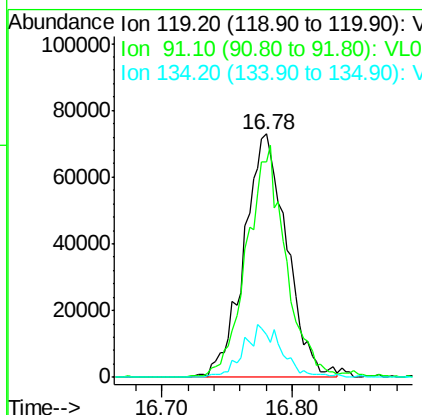
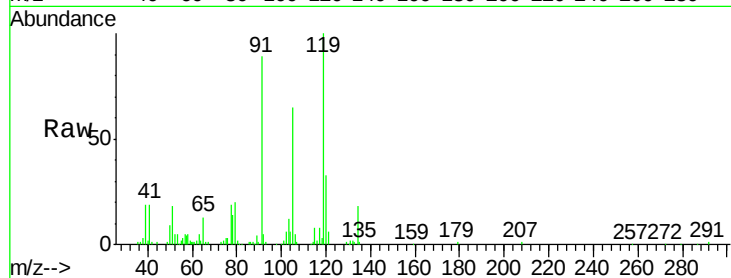
#65
tert-Butylbenzene
Concen: 0.471 ppbv m
RT: 16.78 min Scan# 4352
Delta R.T. 0.00 min
Lab File: VL035171.D
Acq: 8 Jul 2020 4:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
119	100		
91	89.0	67.5	101.3
134	19.3	16.0	24.0

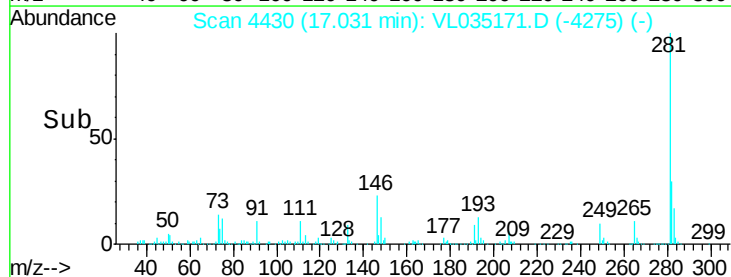
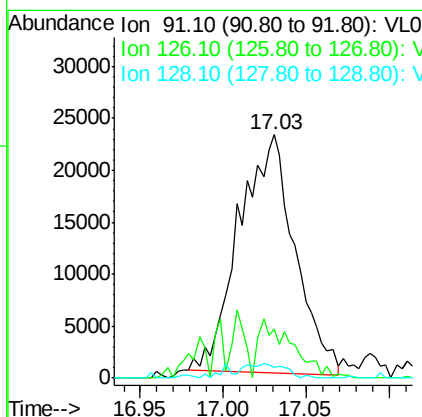
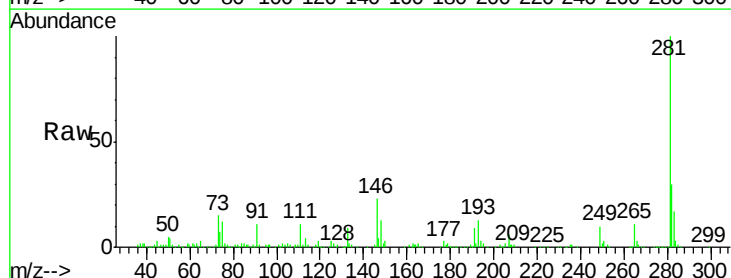
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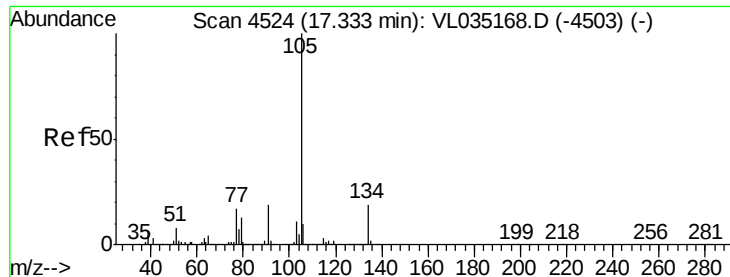
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#66
Benzyl Chloride
Concen: 0.488 ppbv
RT: 17.03 min Scan# 4430
Delta R.T. -0.00 min
Lab File: VL035171.D
Acq: 8 Jul 2020 4:33

Tgt Ion	Ratio	Lower	Upper
91	100		
126	25.2	13.9	20.9#
128	6.2	4.2	6.4





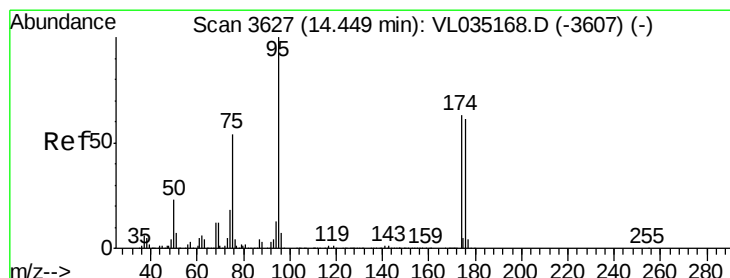
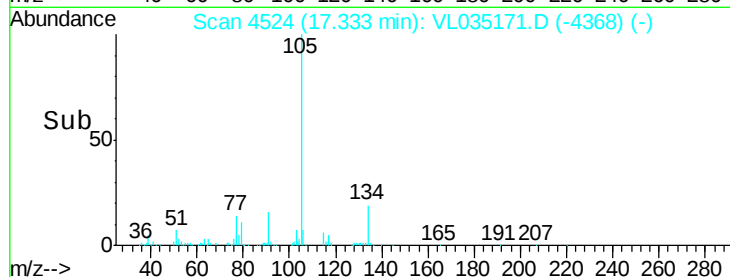
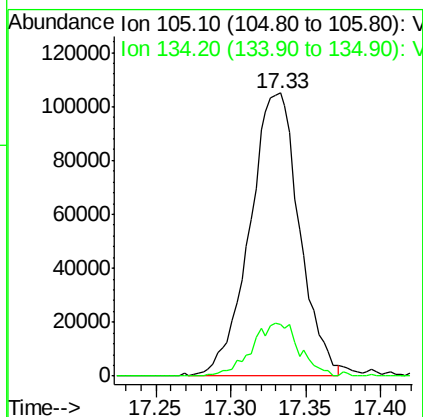
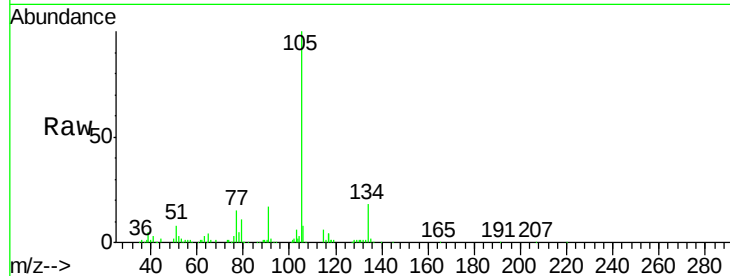
#67
 sec-Butylbenzene
 Concen: 0.481 ppbv
 RT: 17.33 min Scan# 4524
 Delta R.T. 0.00 min
 Lab File: VL035171.D
 Acq: 8 Jul 2020 4:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.5	14.6	21.8

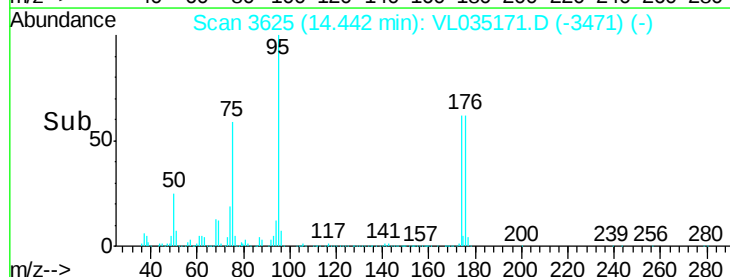
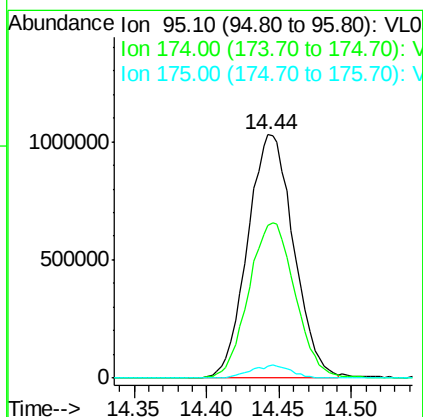
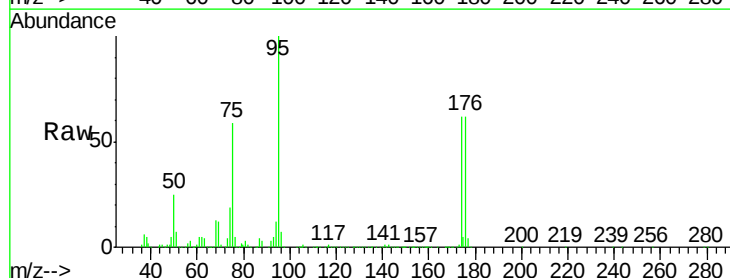
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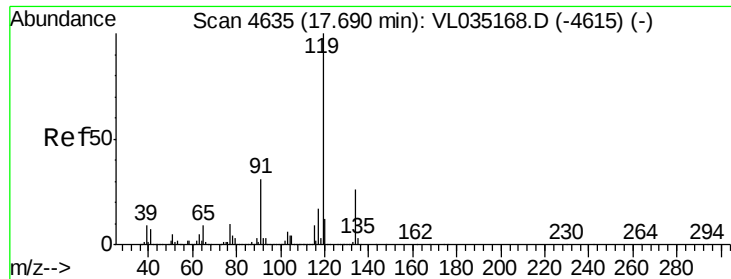
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.063 ppbv
 RT: 14.44 min Scan# 3625
 Delta R.T. -0.01 min
 Lab File: VL035171.D
 Acq: 8 Jul 2020 4:33

Tgt Ion	Ratio	Lower	Upper
95	100		
174	64.6	52.2	78.2
175	4.9	4.0	6.0





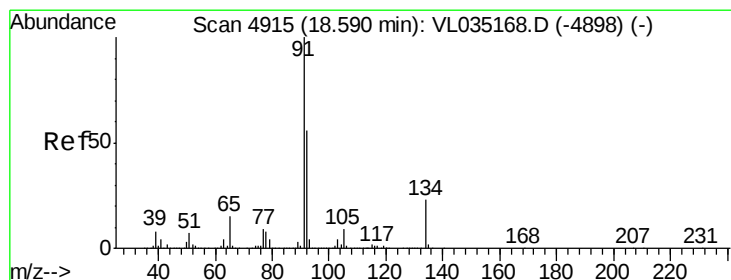
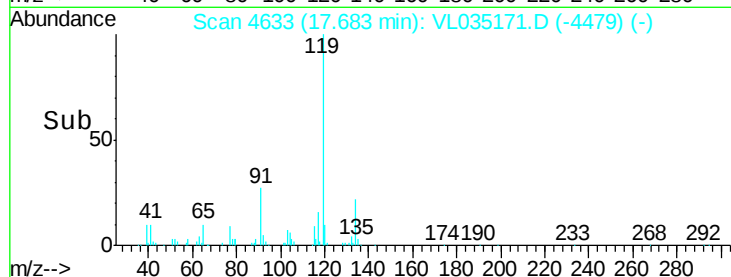
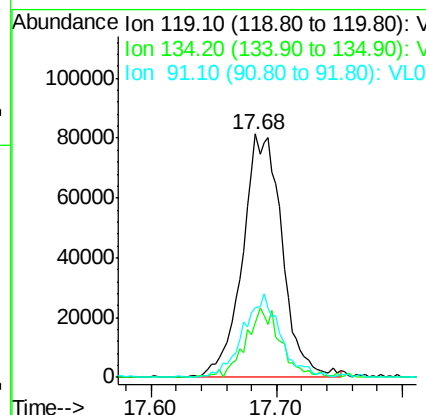
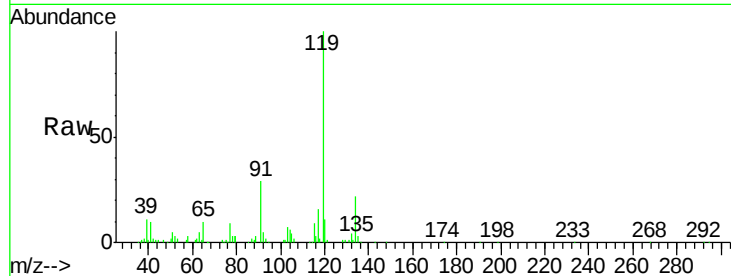
#69
 p-Isopropyltoluene
 Concen: 0.445 ppbv m
 RT: 17.68 min Scan# 4633
 Delta R.T. -0.01 min
 Lab File: VL035171.D
 Acq: 8 Jul 2020 4:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
119	100		
134	0.0	20.8	31.2#
91	0.0	24.9	37.3#

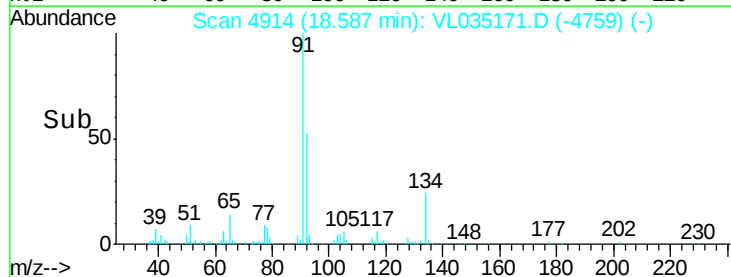
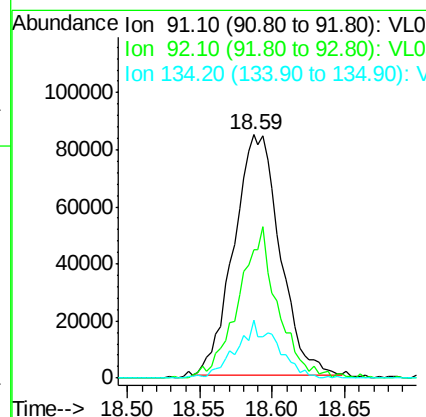
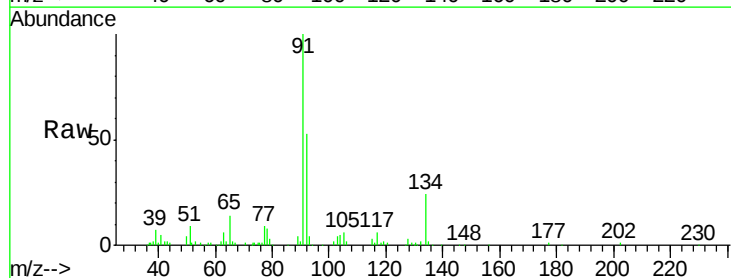
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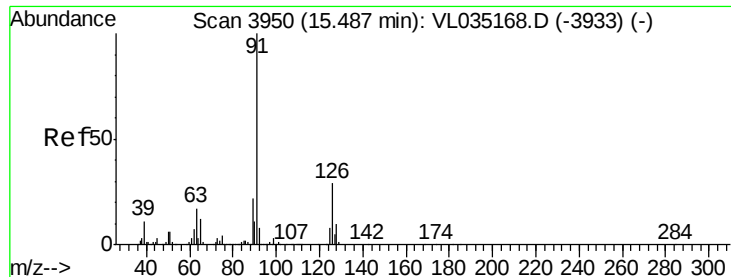
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#70
 n-Butylbenzene
 Concen: 0.431 ppbv
 RT: 18.59 min Scan# 4914
 Delta R.T. -0.00 min
 Lab File: VL035171.D
 Acq: 8 Jul 2020 4:33

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.0	44.0	66.0
134	21.2	18.0	27.0





#71

2-Chlorotoluene

Concen: 0.440 ppbv

RT: 15.48 min Scan# 3949

Delta R.T. -0.00 min

Lab File: VL035171.D

Acq: 8 Jul 2020 4:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 91 Resp: 134614

Ion Ratio Lower Upper

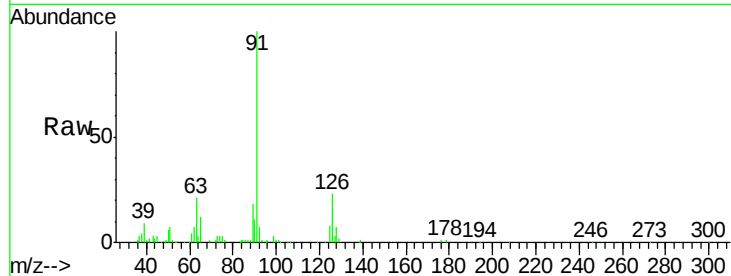
91 100

126 27.6 12.0 48.0

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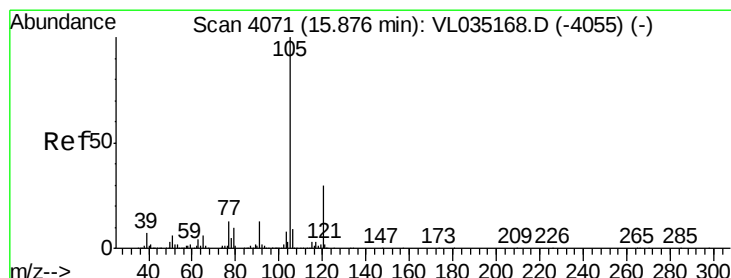
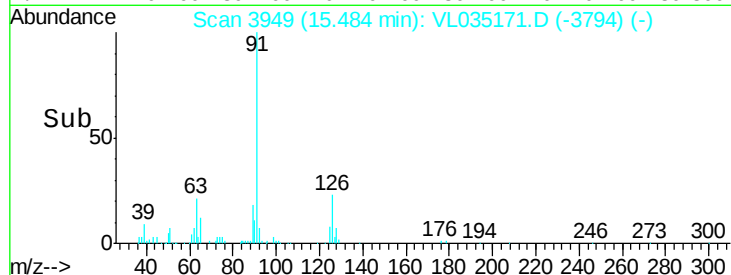
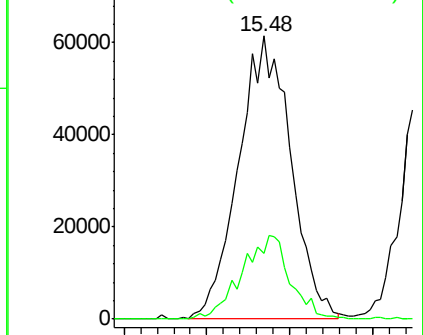
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 0.411 ppbv m

RT: 15.87 min Scan# 4070

Delta R.T. -0.00 min

Lab File: VL035171.D

Acq: 8 Jul 2020 4:33

Tgt Ion: 105 Resp: 124559

Ion Ratio Lower Upper

105 100

120 29.8 23.2 34.8

91 17.1 10.9 16.3#

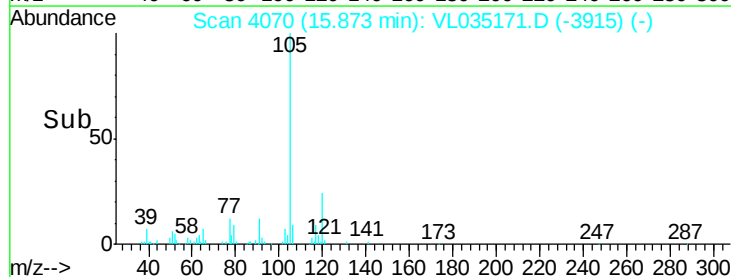
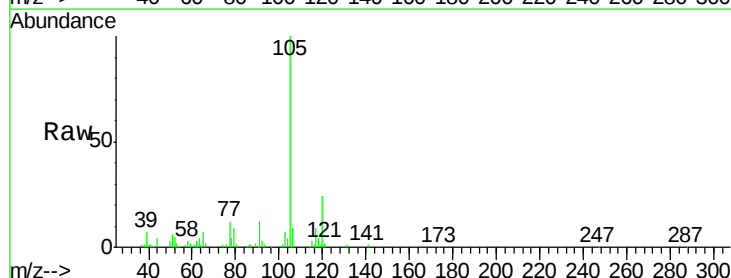
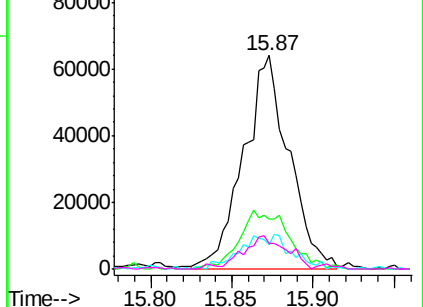
77 15.9 11.8 17.6

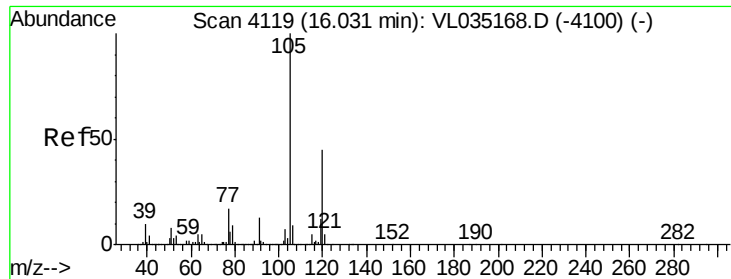
Abundance Ion 105.10 (104.80 to 105.80): V

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





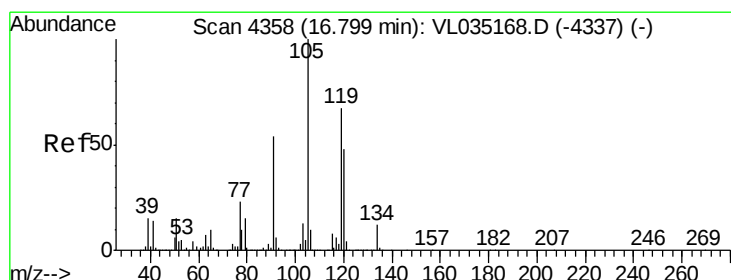
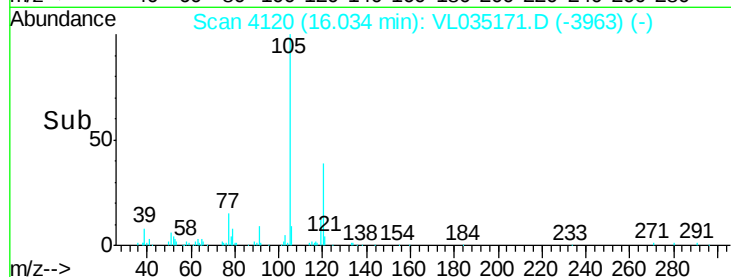
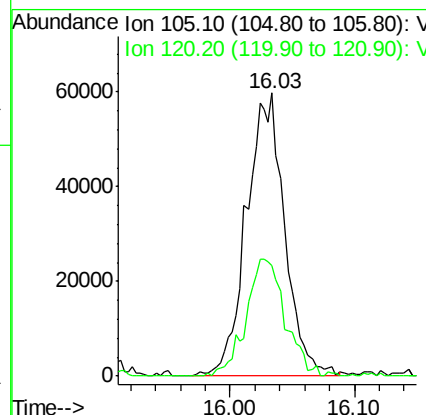
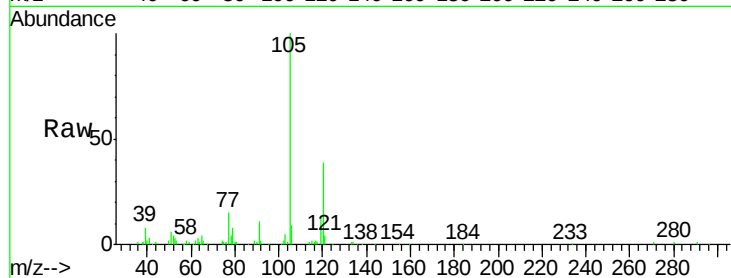
#73
 1,3,5-Trimethylbenzene
 Concen: 0.442 ppbv m
 RT: 16.03 min Scan# 4120
 Delta R.T. 0.00 min
 Lab File: VL035171.D
 Acq: 8 Jul 2020 4:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
105	100		
120	39.0	36.2	54.2

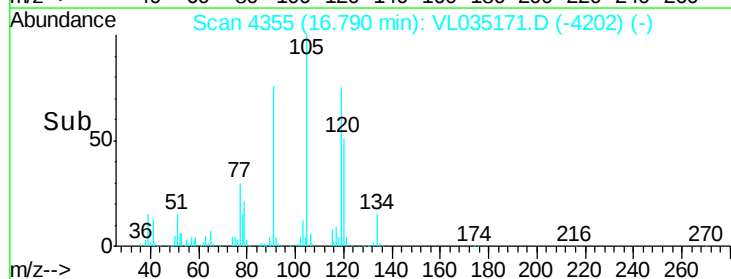
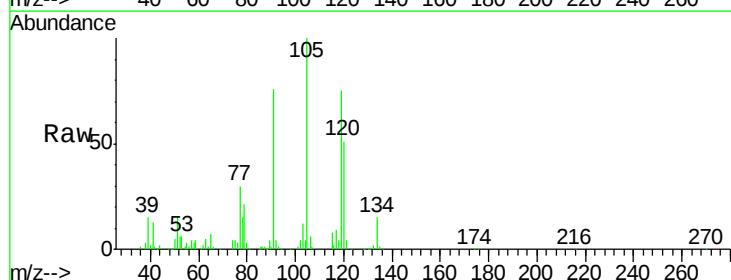
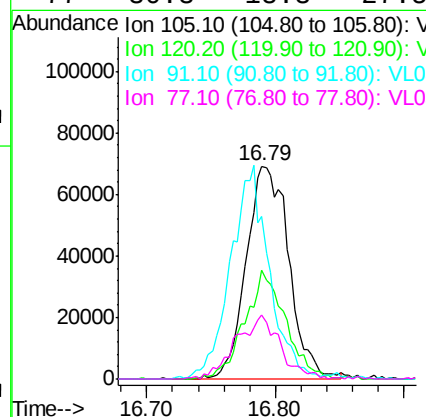
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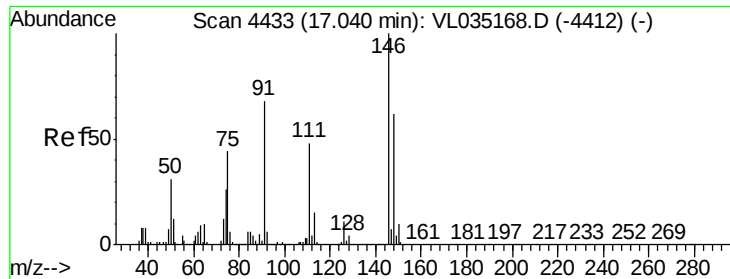
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#74
 1,2,4-Trimethylbenzene
 Concen: 0.493 ppbv m
 RT: 16.79 min Scan# 4355
 Delta R.T. -0.01 min
 Lab File: VL035171.D
 Acq: 8 Jul 2020 4:33

Tgt Ion	Ratio	Lower	Upper
105	100		
120	51.1	38.6	57.8
91	76.3	43.6	65.4#
77	30.3	18.3	27.5#





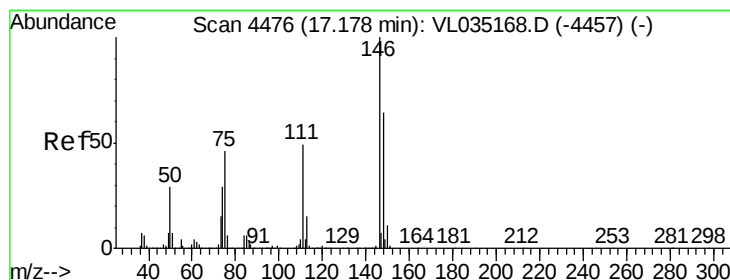
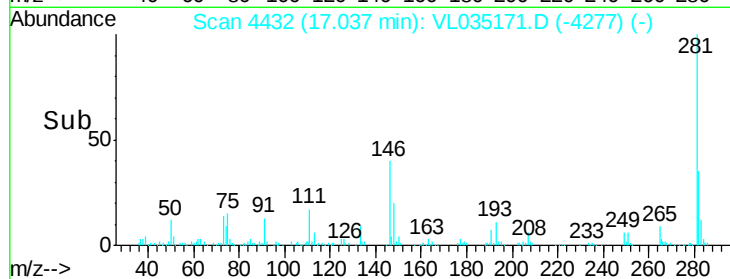
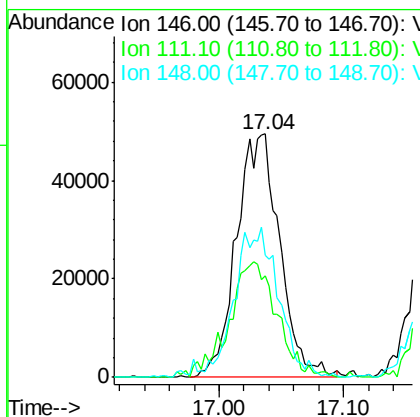
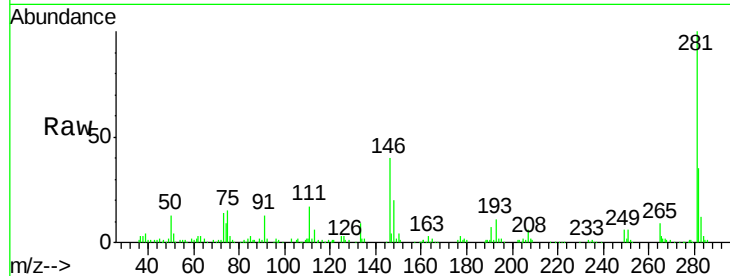
#75
 1,3-Dichlorobenzene
 Concen: 0.623 ppbv m
 RT: 17.04 min Scan# 4432
 Delta R.T. -0.00 min
 Lab File: VL035171.D
 Acq: 8 Jul 2020 4:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
146	100		
111	0.0	24.7	74.1#
148	63.8	32.4	97.0

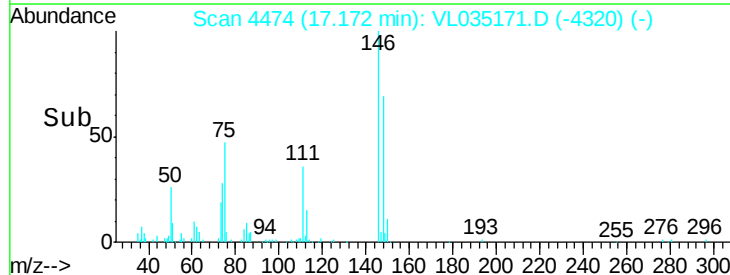
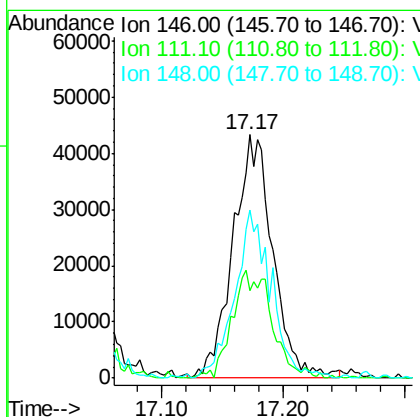
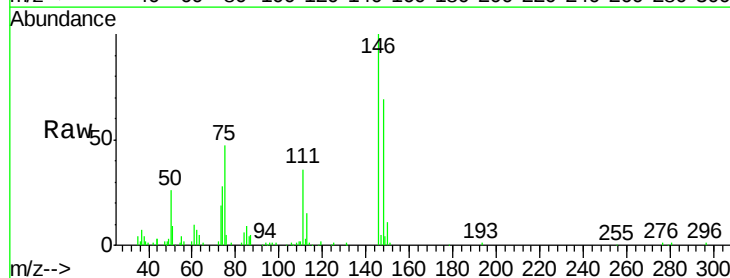
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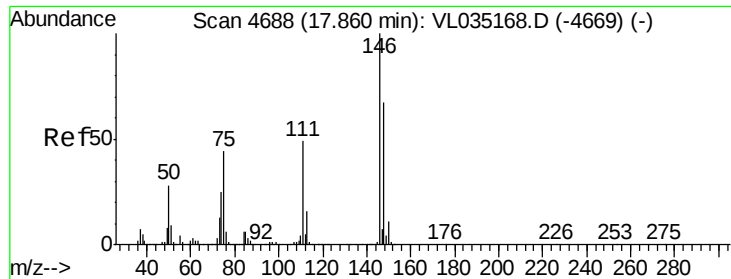
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#76
 1,4-Dichlorobenzene
 Concen: 0.542 ppbv m
 RT: 17.17 min Scan# 4474
 Delta R.T. -0.01 min
 Lab File: VL035171.D
 Acq: 8 Jul 2020 4:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.8	23.8	71.2
148	64.2	32.3	96.9





#77

1,2-Dichlorobenzene

Concen: 0.534 ppbv m

RT: 17.86 min Scan# 4688

Delta R.T. 0.00 min

Lab File: VL035171.D

Acq: 8 Jul 2020 4:33

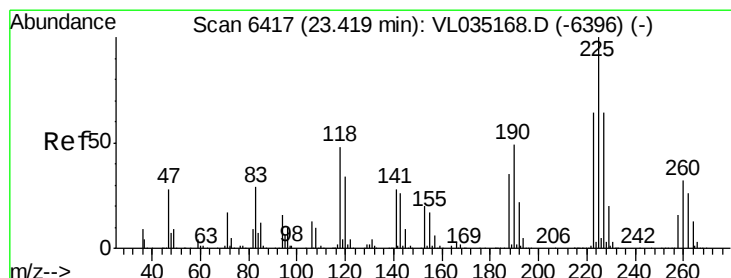
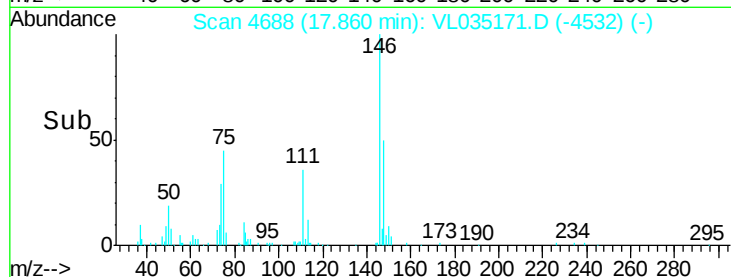
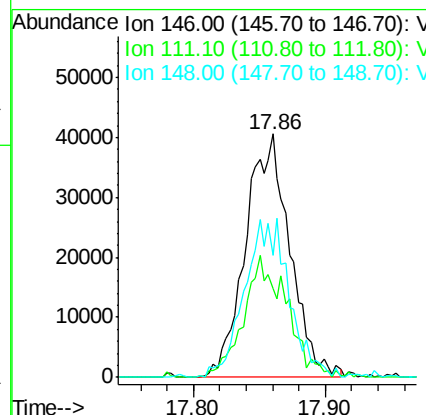
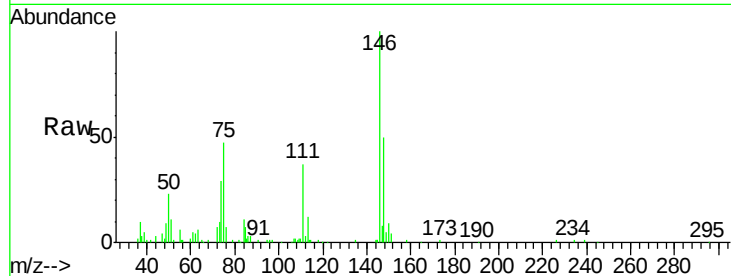
Instrument :
MSVOA_L

ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.9	25.1	75.2
148	0.0	32.4	97.0#

Manual Integrations
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#78

Hexachloro-1,3-Butadiene

Concen: 0.543 ppbv m

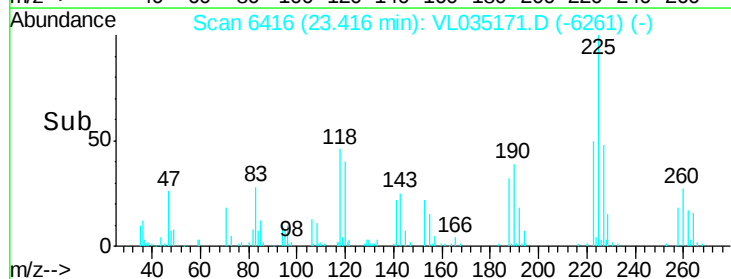
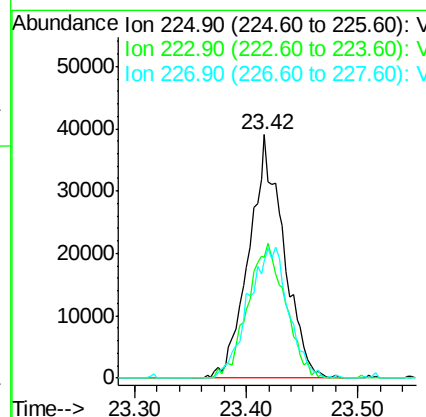
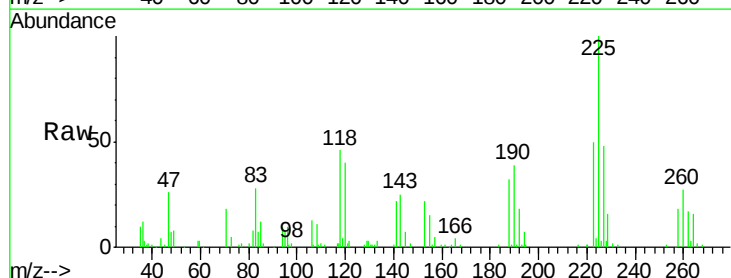
RT: 23.42 min Scan# 6416

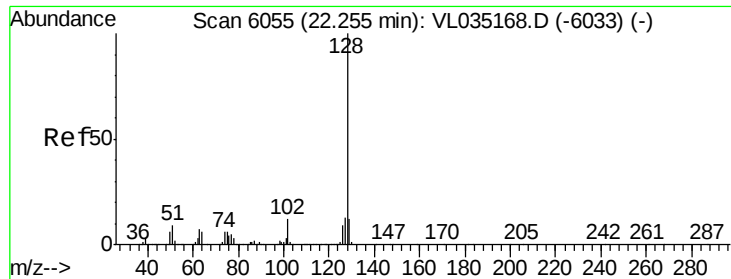
Delta R.T. -0.00 min

Lab File: VL035171.D

Acq: 8 Jul 2020 4:33

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.0	50.2	75.2
227	0.0	51.2	76.8#





#79

Naphthalene

Concen: 0.259 ppbv m

RT: 22.25 min Scan# 6054

Delta R.T. -0.00 min

Lab File: VL035171.D

Acq: 8 Jul 2020 4:33

Instrument :

MSVOA_L

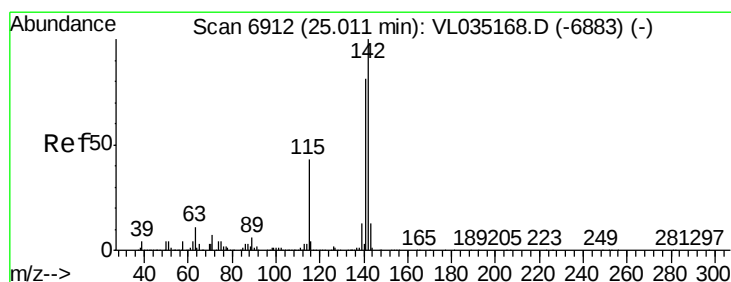
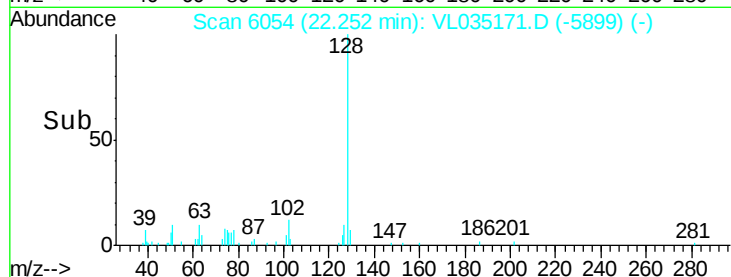
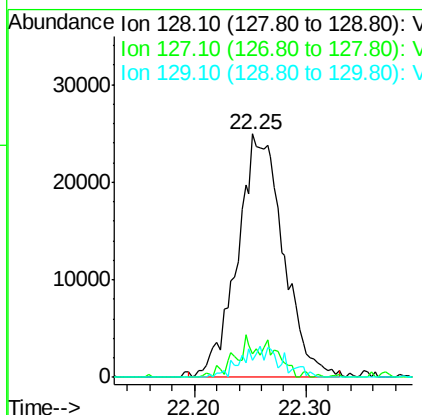
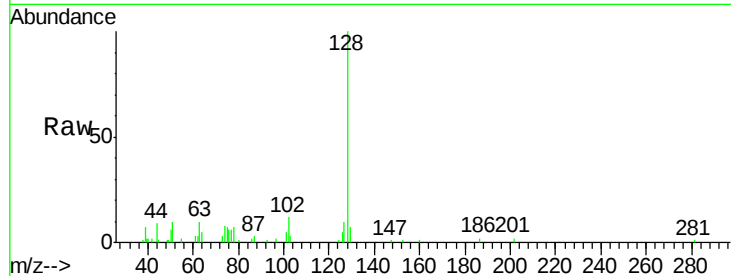
ClientSampleId :

VSTDIC0.5

Tot Ion:	128	Resp:	70947
Ion Ratio	Lower	Upper	
128	100		
127	9.9	10.8	16.2#
129	6.8	9.4	14.2#

Manual Integrations
APPROVED

MMDadoda
7/9/2020 12:02:33 PM



#80

Naphthalene, 2-methyl-

Concen: 0.057 ppbv

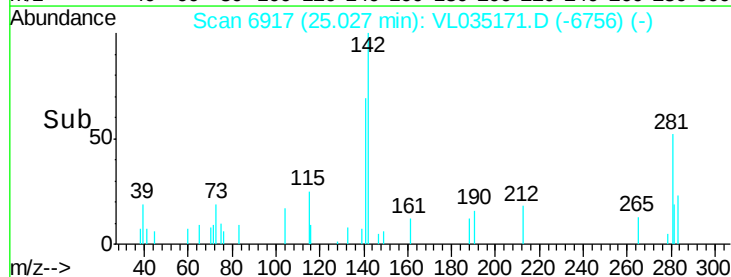
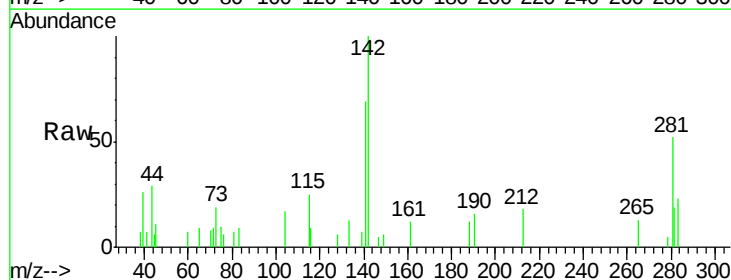
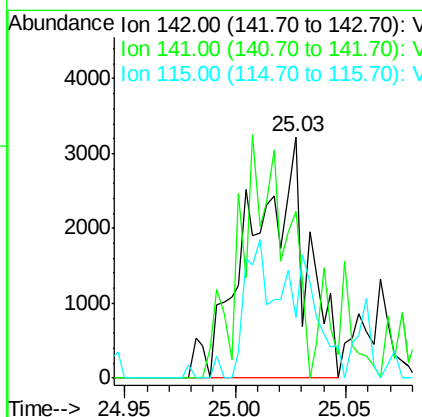
RT: 25.03 min Scan# 6917

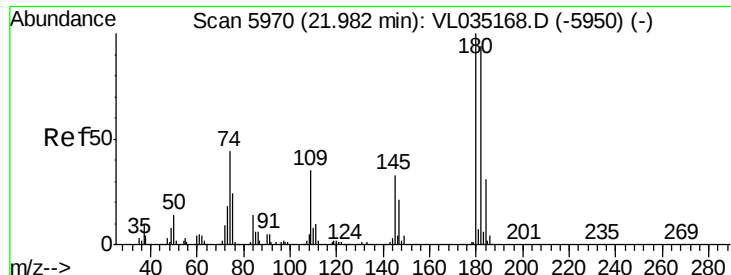
Delta R.T. 0.02 min

Lab File: VL035171.D

Acq: 8 Jul 2020 4:33

Tgt Ion:	142	Resp:	5722
Ion Ratio	Lower	Upper	
142	100		
141	100.9	68.2	102.4
115	64.4	34.4	51.6#





#81
 1,2,4-Trichlorobenzene
 Concen: 0.367 ppbv m
 RT: 21.98 min Scan# 5969
 Delta R.T. -0.00 min
 Lab File: VL035171.D
 Acq: 8 Jul 2020 4:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	76.7	115.1#
184	0.0	25.0	37.6#

Manual Integrations
 APPROVED

MMDadoda
 7/9/2020 12:02:33 PM

