

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL013020\
 Data File : VL034570.D
 Acq On : 30 Jan 2020 13:23
 Operator : SY/AP
 Sample : VSTDIC001
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 1/31/2020 4:23:55 PM

Quant Time: Jan 30 14:52:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL013020AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 30 14:52:35 2020
 QLast Update : Thu Jan 30 14:46:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1145621	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2377645	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2353231	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2026639	10.32	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.01	85	292453	1.619	ppbv	91
3) Chlorodifluoromethane	2.95	51	151051	1.107	ppbv	97
4) Chloromethane	3.10	50	94728	1.168	ppbv	93
5) Vinyl Chloride	3.22	62	80452	1.013	ppbv	90
6) Bromomethane	3.44	94	44654	1.130	ppbv	81
7) Chloroethane	3.53	64	32010	1.157	ppbv	98
8) Dichlorotetrafluoroethane	3.15	85	224605	1.240	ppbv	95
9) Propene	2.97	41	57866	1.100	ppbv	97
10) Heptane	8.13	43	143086	1.053	ppbv	96
11) Trichlorofluoromethane	3.92	101	255299	1.221	ppbv	95
12) 1,1,2-Trichlorotrifluoroet	4.46	101	159280	1.198	ppbv	95
13) Ethanol	3.57	45	15921m	1.090	ppbv	
14) Bromoethene	3.71	108	62288	1.158	ppbv	97
15) Acetone	3.83	43	185476	1.109	ppbv	95
16) 1,3-Butadiene	3.29	39	71360	1.110	ppbv	94
17) tert-Butyl alcohol	4.28	59	143564	1.072	ppbv	98
18) 1,1-Dichloroethene	4.26	96	66946	1.156	ppbv	93
19) Isopropyl Alcohol	3.94	45	107877	0.997	ppbv #	95
20) Methylene Chloride	4.32	84	72106	1.096	ppbv	90
21) Allyl Chloride	4.39	41	111135	1.157	ppbv	98
22) trans-1,2-Dichloroethene	4.87	96	72423	1.229	ppbv	93
23) Vinyl Acetate	5.06	43	192694	0.998	ppbv #	98
24) 1,1-Dichloroethane	4.99	63	174746	1.127	ppbv	99
25) Ethyl Acetate	5.67	43	296788	1.137	ppbv	98
26) Hexane	5.67	57	122469	1.113	ppbv	94
27) Carbon Disulfide	4.53	76	158273	1.138	ppbv	97
28) Methyl tert-Butyl Ether	5.02	73	217496	1.184	ppbv	98
29) Chloroform	5.74	83	222354	1.168	ppbv	98
30) Cyclohexane	7.13	84	86579	1.059	ppbv	96
31) cis-1,2-Dichloroethene	5.54	61	127261	1.135	ppbv	93
32) 1,1,1-Trichloroethane	6.51	97	221506	1.121	ppbv	98
34) 2-Butanone	5.24	43	185989	1.095	ppbv	97
35) Carbon Tetrachloride	7.02	117	231176	1.072	ppbv	97
36) Benzene	6.89	78	219411	1.059	ppbv	96
37) 1,2-Dichloroethane	6.30	62	187235	1.112	ppbv	99
38) Trichloroethene	7.84	130	94976	1.134	ppbv	89
39) 1,2-Dichloropropane	7.62	63	92747	1.088	ppbv	95
40) 1,4-Dioxane	7.86	88	37140m	1.077	ppbv	
41) Tetrahydrofuran	6.06	42	95158m	1.092	ppbv	
42) Bromodichloromethane	7.80	83	226882	1.096	ppbv #	94
43) Methyl Methacrylate	8.02	69	82595	0.977	ppbv	96

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Manual Integrations
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Quant Time: Jan 30 14:52:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL013020AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 30 14:52:35 2020
 QLast Update : Thu Jan 30 14:46:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	410625m	1.071	ppbv	
45) t-1,3-Dichloropropene	9.29	75	99931	0.918	ppbv	98
46) cis-1,3-Dichloropropene	8.72	75	117914	0.947	ppbv	98
47) 1,1,2-Trichloroethane	9.49	97	99952m	1.064	ppbv	
48) Dibromochloromethane	10.32	129	176168m	1.082	ppbv	
49) Bromoform	13.07	173	148486	1.007	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	256136m	1.038	ppbv	
51) 2-Hexanone	10.16	43	192557	0.967	ppbv #	96
52) Tetrachloroethene	11.25	164	82975	1.026	ppbv	91
53) Toluene	9.83	91	233499	1.025	ppbv	96
54) 1,2-Dibromoethane	10.64	107	150591m	1.102	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.15	131	126872	1.117	ppbv #	1
57) Chlorobenzene	12.17	112	208981	1.076	ppbv #	93
58) Ethyl Benzene	12.74	91	341351	1.076	ppbv	92
59) m/p-Xylene	13.02	91	612817m	2.208	ppbv	
60) o-Xylene	13.72	91	301427	1.082	ppbv	97
61) Styrene	13.56	104	190709	1.002	ppbv	98
62) Isopropylbenzene	14.70	105	396067	1.087	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.71	83	225589	1.010	ppbv	98
64) n-propylbenzene	15.59	120	101562	1.092	ppbv	89
65) tert-Butylbenzene	16.78	119	354763	1.078	ppbv	94
66) Benzyl Chloride	17.03	91	132604m	0.919	ppbv	
67) sec-Butylbenzene	17.33	105	495612	1.072	ppbv	99
69) p-Isopropyltoluene	17.69	119	402467	1.074	ppbv	99
70) n-Butylbenzene	18.59	91	432808	1.070	ppbv	96
71) 2-Chlorotoluene	15.48	91	296678	1.049	ppbv	98
72) 4-Ethyltoluene	15.87	105	324509	1.041	ppbv	99
73) 1,3,5-Trimethylbenzene	16.03	105	320208	1.047	ppbv	92
74) 1,2,4-Trimethylbenzene	16.80	105	368551	1.127	ppbv #	88
75) 1,3-Dichlorobenzene	17.03	146	213676	1.091	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	210337m	1.115	ppbv	
77) 1,2-Dichlorobenzene	17.86	146	205576	1.117	ppbv	98
78) Hexachloro-1,3-Butadiene	23.43	225	203573m	1.165	ppbv	
79) Naphthalene	22.26	128	285920m	1.161	ppbv	
80) Naphthalene, 2-methyl-	25.02	142	90477	1.326	ppbv #	94
81) 1,2,4-Trichlorobenzene	22.00	180	173807	1.084	ppbv	97

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

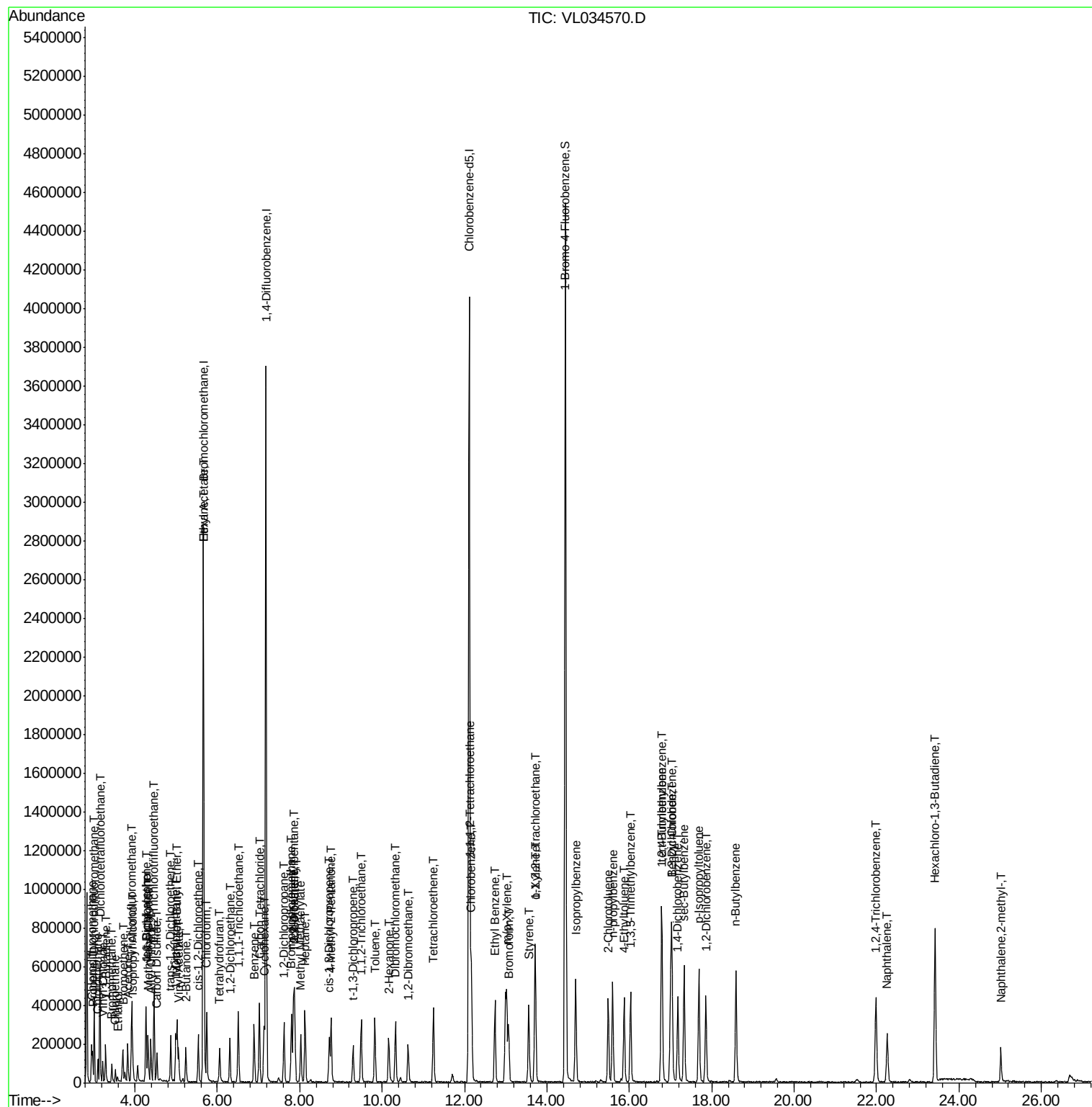
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL013020\
Data File : VL034570.D
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ALS Vial : 1 Sample Multiplier: 1

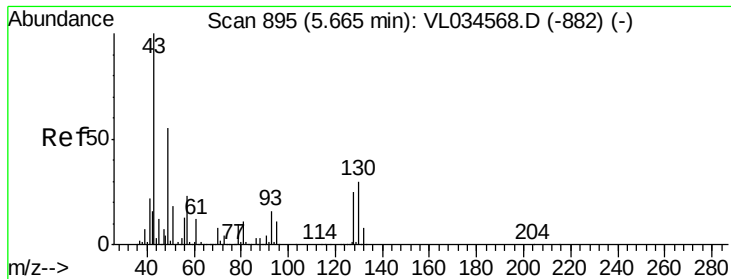
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

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Quant Time: Jan 30 14:52:35 2020
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan
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#1

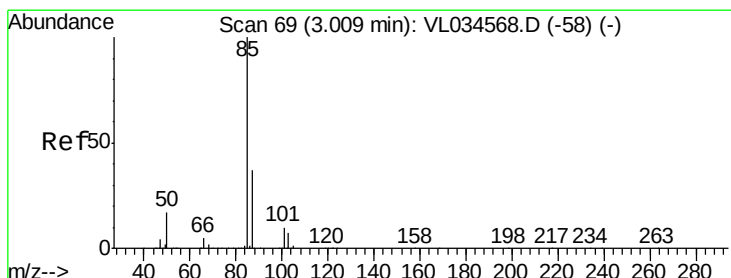
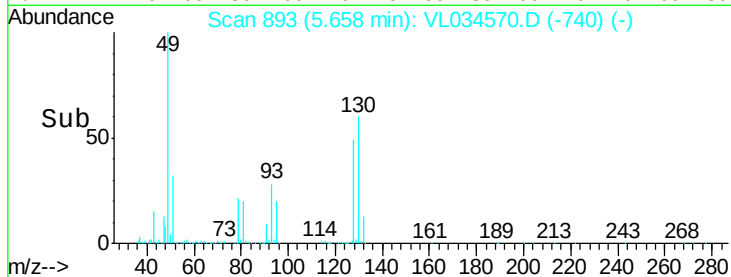
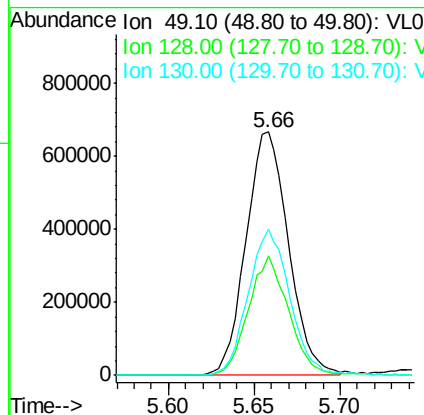
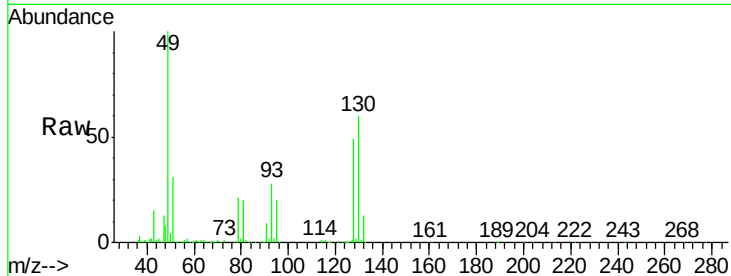
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.66 min Scan# 893
 Delta R.T. -0.01 min
 Lab File: VL034570.D
 Acq: 30 Jan 2020 13:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
49	100		
128	46.7	22.4	67.2
130	59.7	28.3	85.0

Manual Integrations
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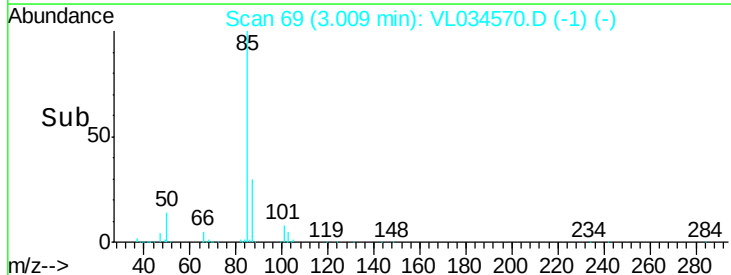
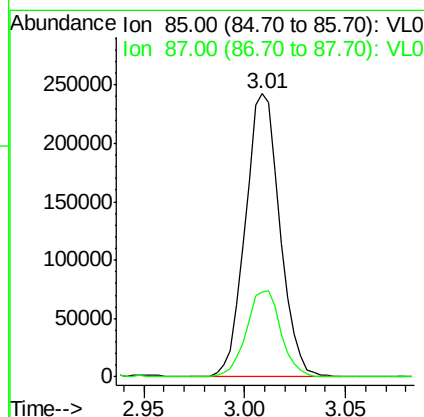
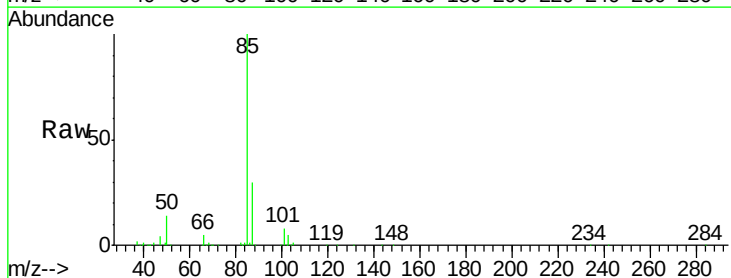
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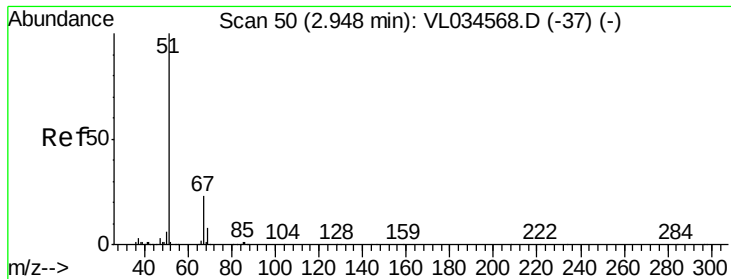


#2

Dichlorodifluoromethane
 Concen: 1.619 ppbv
 RT: 3.01 min Scan# 69
 Delta R.T. -0.00 min
 Lab File: VL034570.D
 Acq: 30 Jan 2020 13:23

Tgt Ion	Ratio	Lower	Upper
85	100		
87	29.7	27.9	41.9





#3

Chlorodifluoromethane

Concen: 1.107 ppbv

RT: 2.95 min Scan# 50

Delta R.T. -0.00 min

Lab File: VL034570.D

Acq: 30 Jan 2020 13:23

Instrument :

MSVOA_L

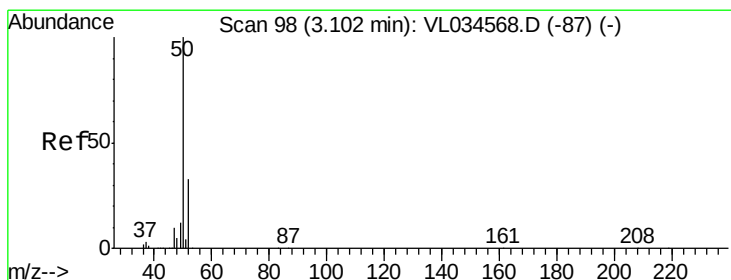
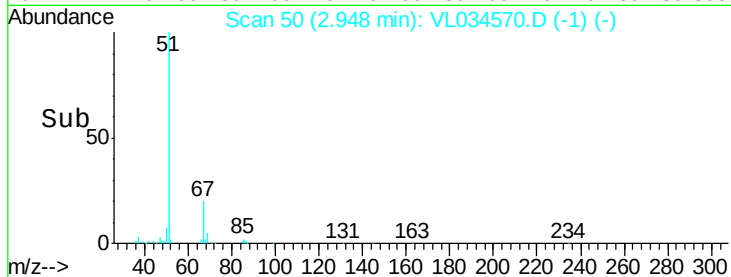
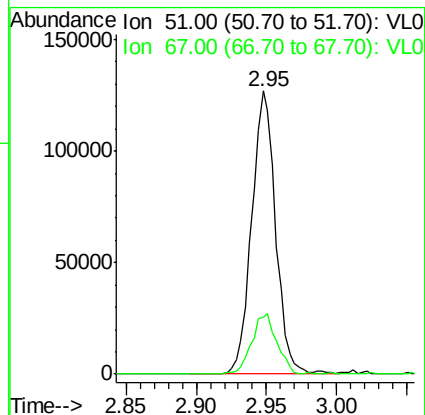
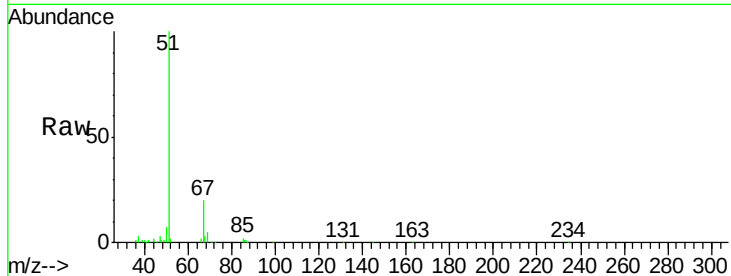
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
51	100		
67	22.5	16.8	25.2

Manual Integrations
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#4

Chloromethane

Concen: 1.168 ppbv

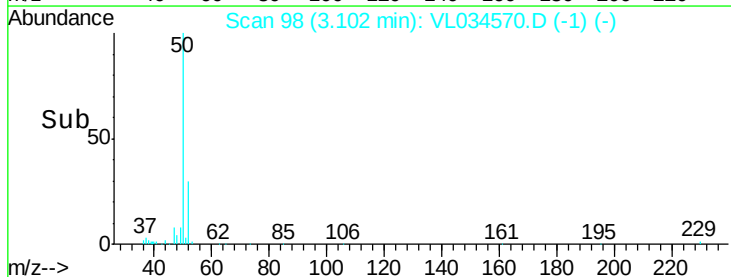
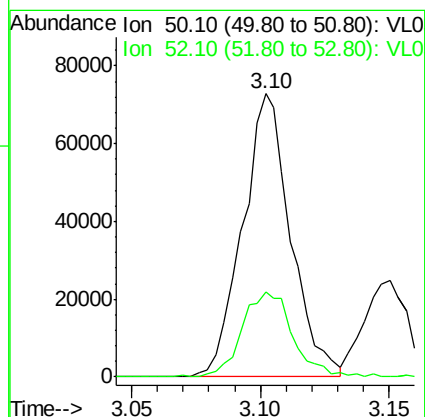
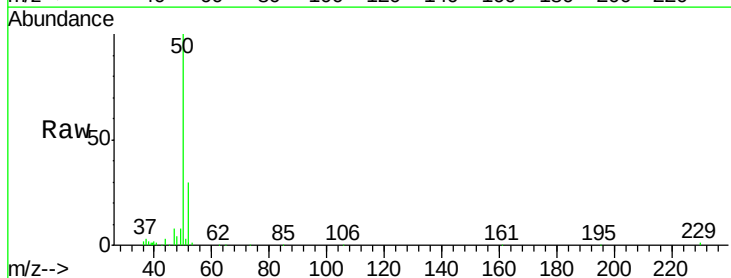
RT: 3.10 min Scan# 98

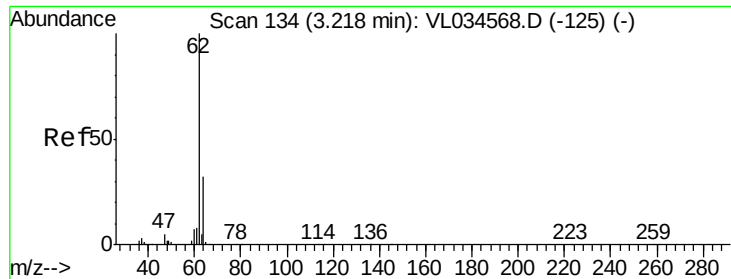
Delta R.T. -0.00 min

Lab File: VL034570.D

Acq: 30 Jan 2020 13:23

Tgt Ion	Ratio	Lower	Upper
50	100		
52	30.2	27.6	41.4





#5

Vinyl Chloride

Concen: 1.013 ppbv

RT: 3.22 min Scan# 135

Delta R.T. 0.00 min

Lab File: VL034570.D

Acq: 30 Jan 2020 13:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 62 Resp: 80452

Ion Ratio Lower Upper

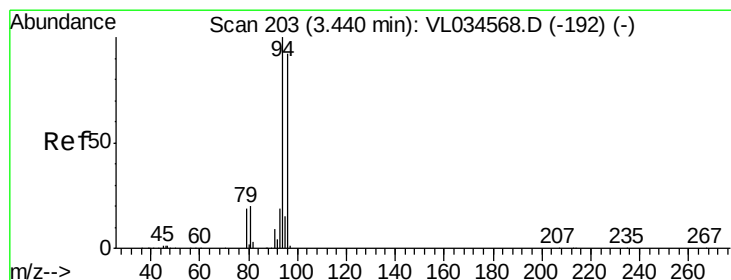
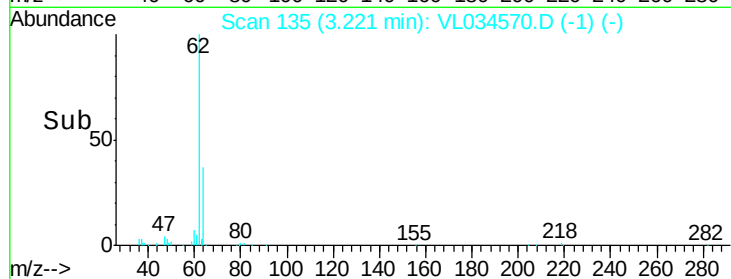
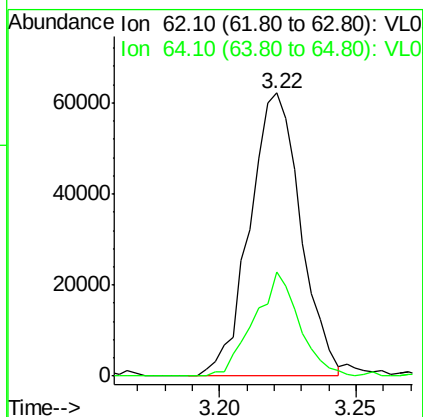
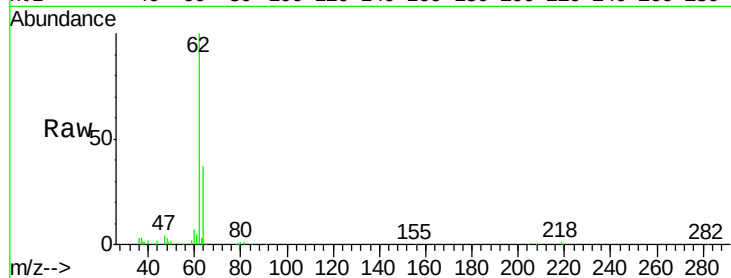
62 100

64 36.6 24.9 37.3

Manual Integrations
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#6

Bromomethane

Concen: 1.130 ppbv

RT: 3.44 min Scan# 202

Delta R.T. -0.00 min

Lab File: VL034570.D

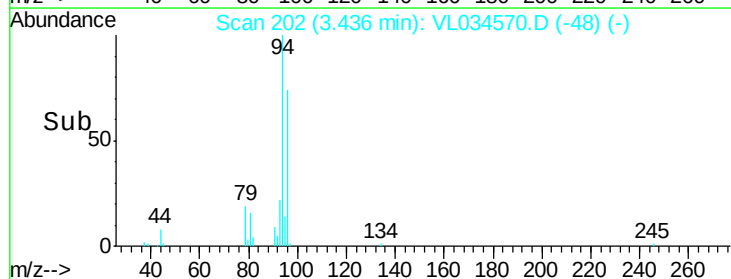
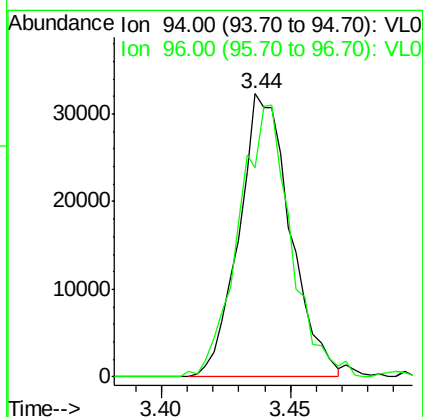
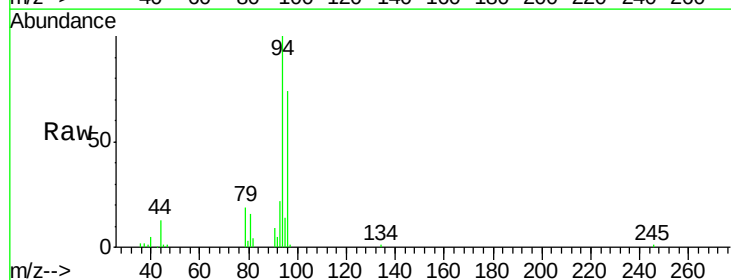
Acq: 30 Jan 2020 13:23

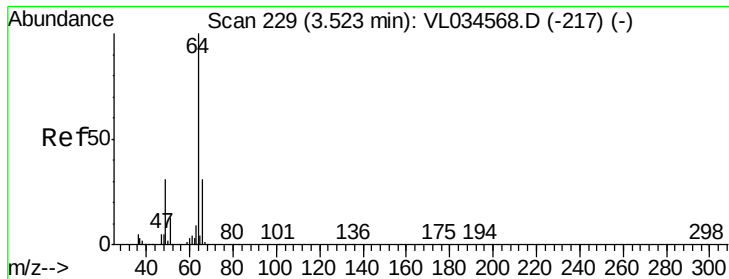
Tgt Ion: 94 Resp: 44654

Ion Ratio Lower Upper

94 100

96 71.6 71.2 106.8





#7

Chloroethane

Concen: 1.157 ppbv

RT: 3.53 min Scan# 230

Delta R.T. 0.00 min

Lab File: VL034570.D

Acq: 30 Jan 2020 13:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 64 Resp: 32010

Ion Ratio Lower Upper

64 100

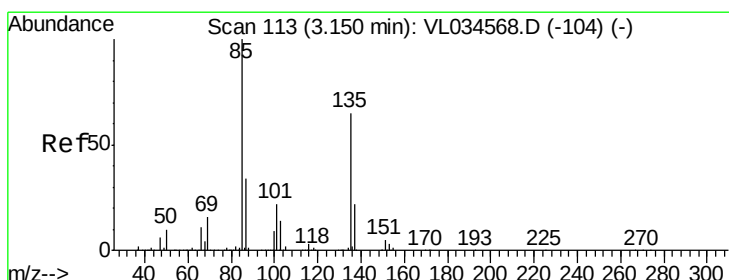
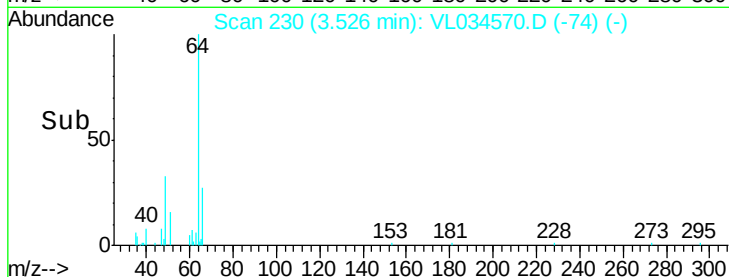
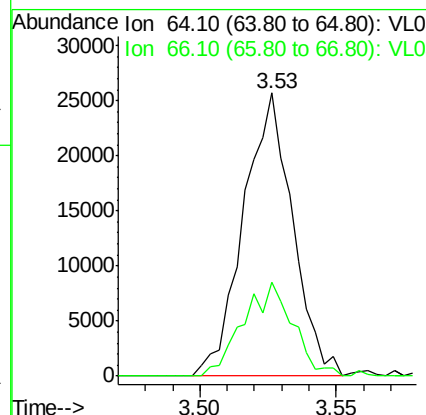
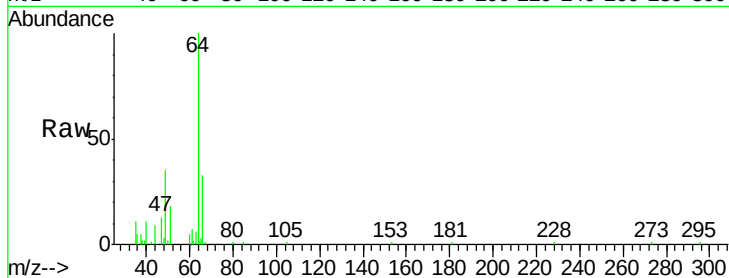
66 32.5 25.0 37.4

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 1.240 ppbv

RT: 3.15 min Scan# 113

Delta R.T. -0.00 min

Lab File: VL034570.D

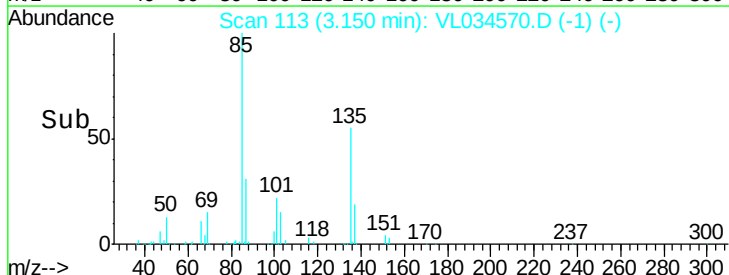
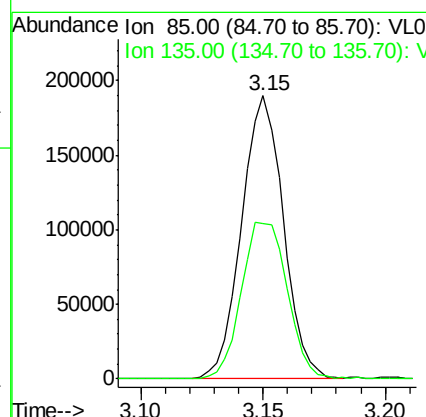
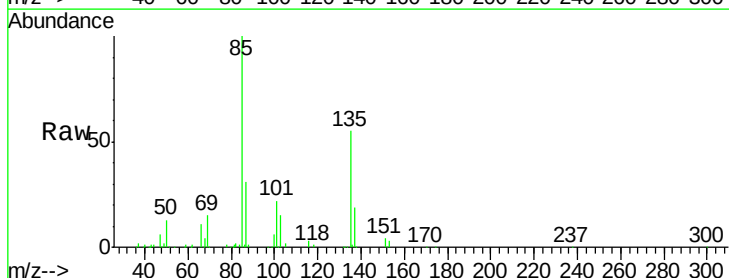
Acq: 30 Jan 2020 13:23

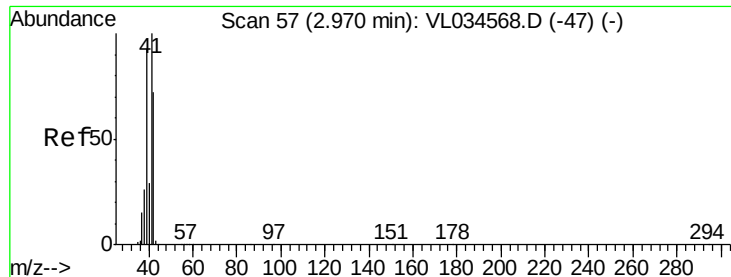
Tgt Ion: 85 Resp: 224605

Ion Ratio Lower Upper

85 100

135 61.1 51.8 77.8





#9

Propene

Concen: 1.100 ppbv

RT: 2.97 min Scan# 57

Delta R.T. -0.00 min

Lab File: VL034570.D

Acq: 30 Jan 2020 13:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 41 Resp: 57866

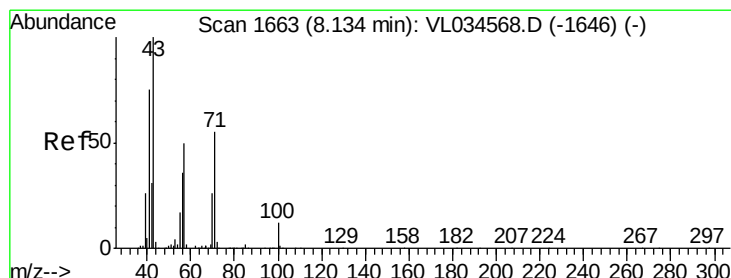
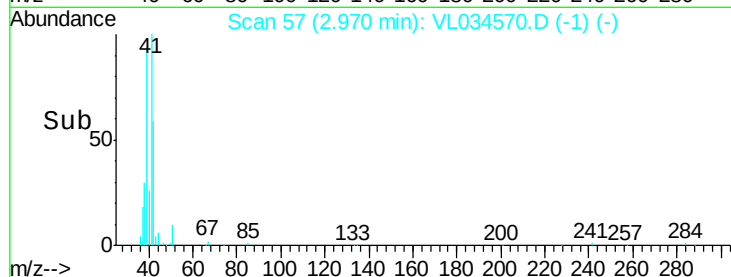
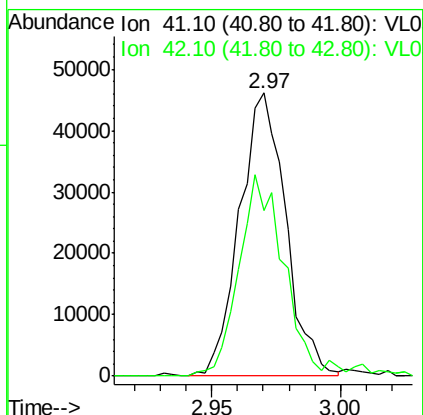
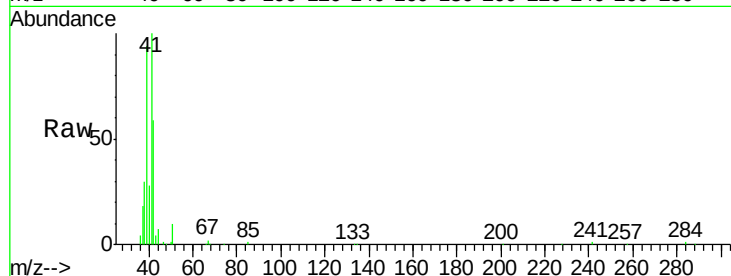
Ion Ratio Lower Upper

41 100

42 71.8 55.8 83.6

Manual Integrations
APPROVED

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#10

Heptane

Concen: 1.053 ppbv

RT: 8.13 min Scan# 1661

Delta R.T. -0.01 min

Lab File: VL034570.D

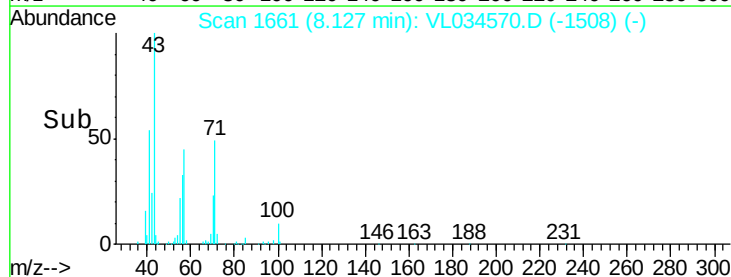
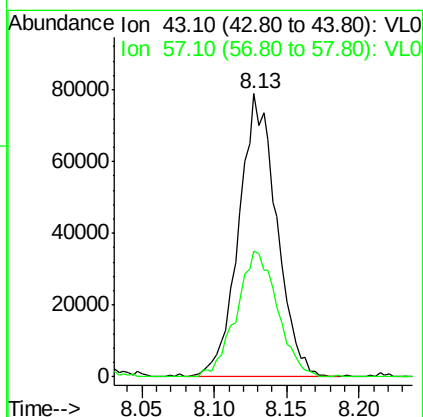
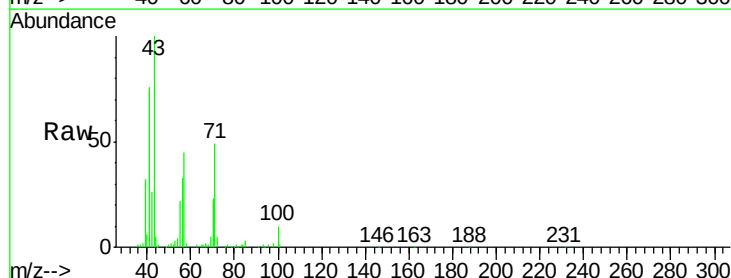
Acq: 30 Jan 2020 13:23

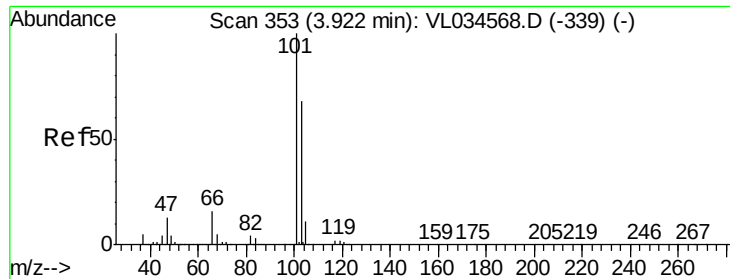
Tgt Ion: 43 Resp: 143086

Ion Ratio Lower Upper

43 100

57 48.2 41.0 61.6





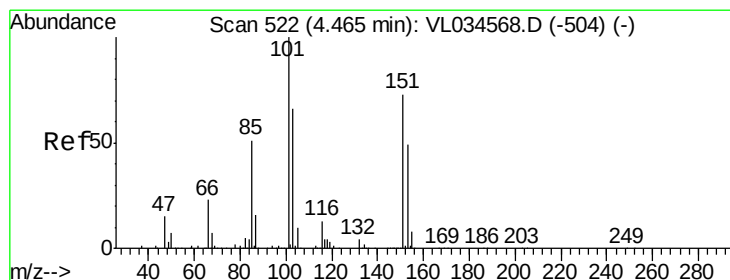
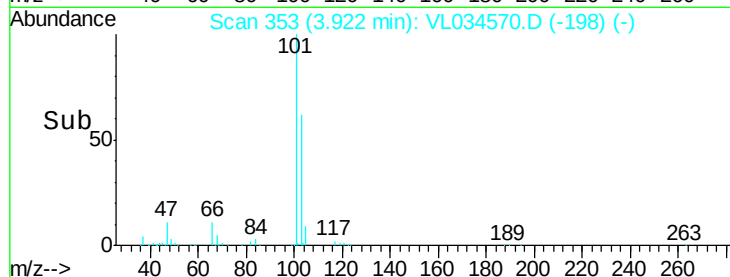
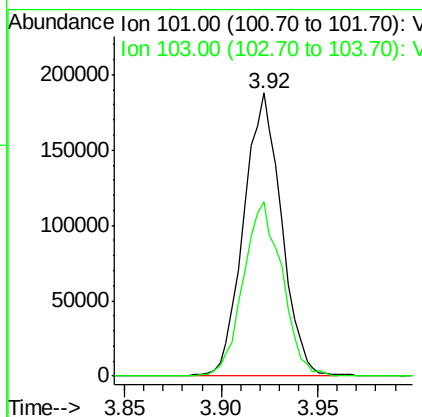
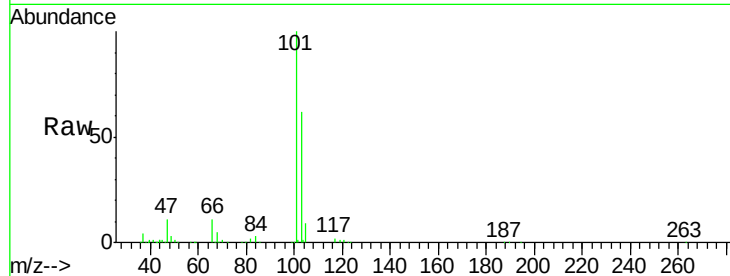
#11
 Trichlorofluoromethane
 Concen: 1.221 ppbv
 RT: 3.92 min Scan# 353
 Delta R.T. -0.00 min
 Lab File: VL034570.D
 Acq: 30 Jan 2020 13:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion:101 Resp: 255299
 Ion Ratio Lower Upper
 101 100
 103 61.4 52.1 78.1

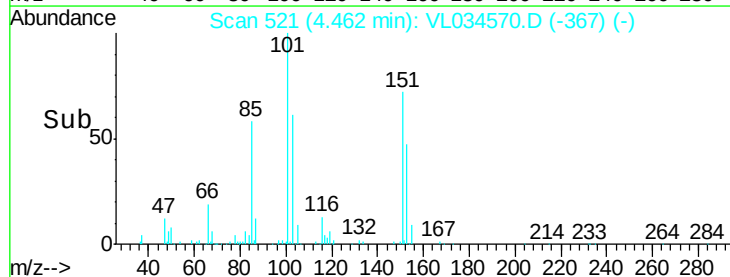
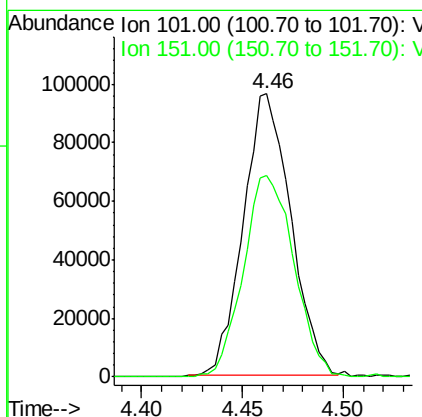
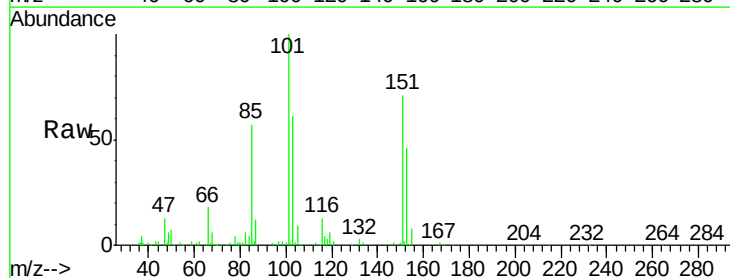
Manual Integrations
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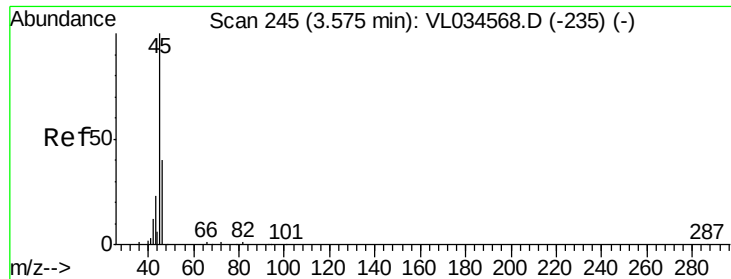
MMDadoda
 1/31/2020 4:23:55 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.198 ppbv
 RT: 4.46 min Scan# 521
 Delta R.T. -0.00 min
 Lab File: VL034570.D
 Acq: 30 Jan 2020 13:23

Tgt Ion:101 Resp: 159280
 Ion Ratio Lower Upper
 101 100
 151 76.0 57.8 86.6





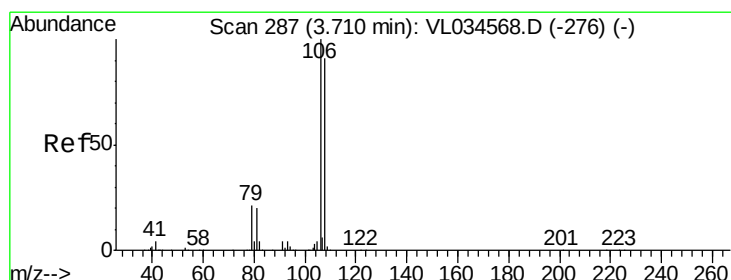
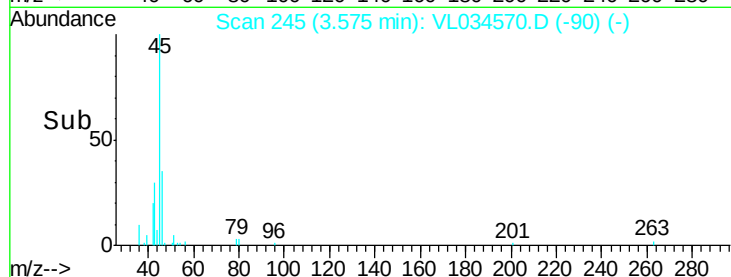
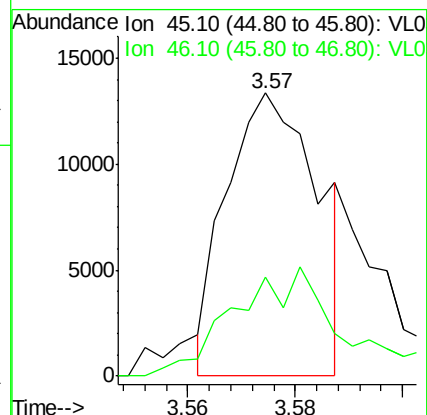
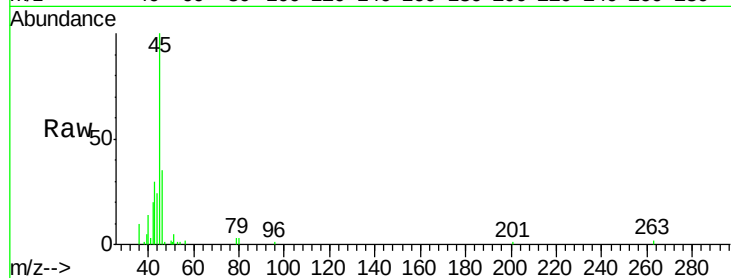
#13
Ethanol
Concen: 1.090 ppbv m
RT: 3.57 min Scan# 245
Delta R.T. -0.00 min
Lab File: VL034570.D
Acq: 30 Jan 2020 13:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion: 45 Resp: 15921
Ion Ratio Lower Upper
45 100
46 49.7 14.9 59.7

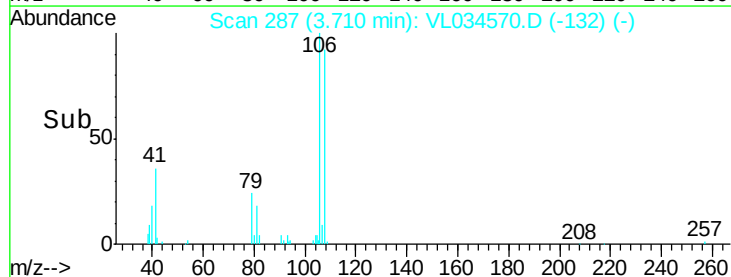
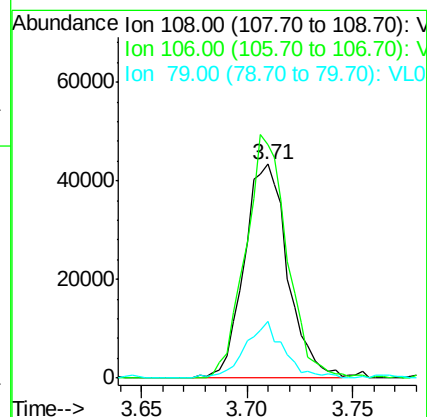
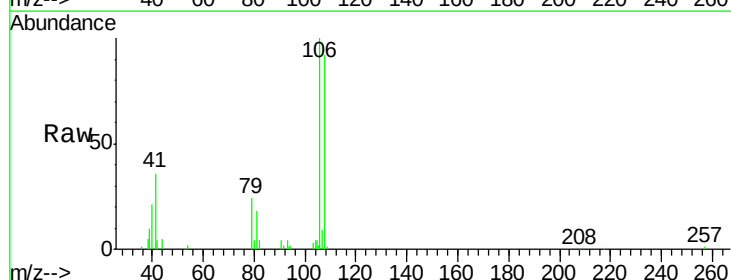
Manual Integrations
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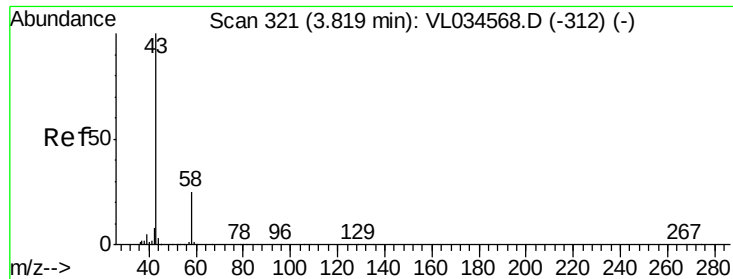
MMDadoda
1/31/2020 4:23:55 PM



#14
Bromoethene
Concen: 1.158 ppbv
RT: 3.71 min Scan# 287
Delta R.T. -0.00 min
Lab File: VL034570.D
Acq: 30 Jan 2020 13:23

Tgt Ion: 108 Resp: 62288
Ion Ratio Lower Upper
108 100
106 109.1 85.2 127.8
79 23.7 17.4 26.2





#15

Acetone

Concen: 1.109 ppbv

RT: 3.83 min Scan# 324

Delta R.T. 0.01 min

Lab File: VL034570.D

Acq: 30 Jan 2020 13:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 185476

Ion Ratio Lower Upper

43 100

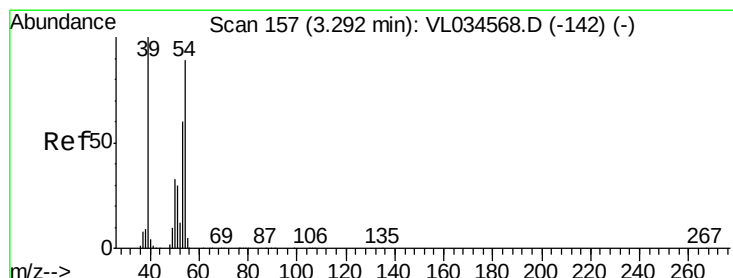
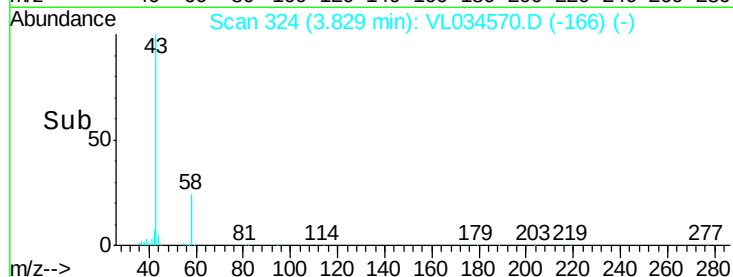
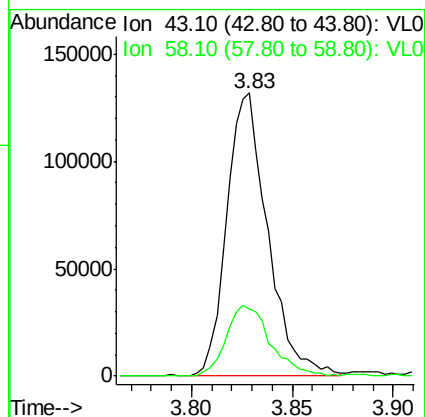
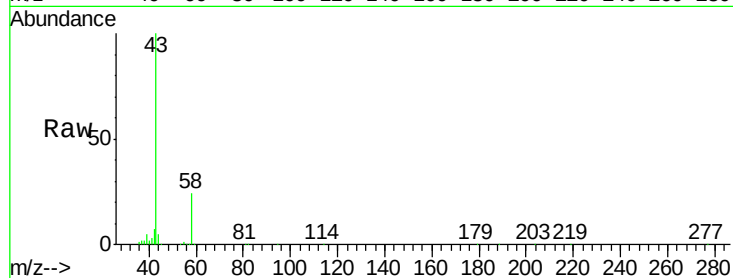
58 27.9 20.4 30.6

Manual Integrations

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#16

1,3-Butadiene

Concen: 1.110 ppbv

RT: 3.29 min Scan# 157

Delta R.T. -0.00 min

Lab File: VL034570.D

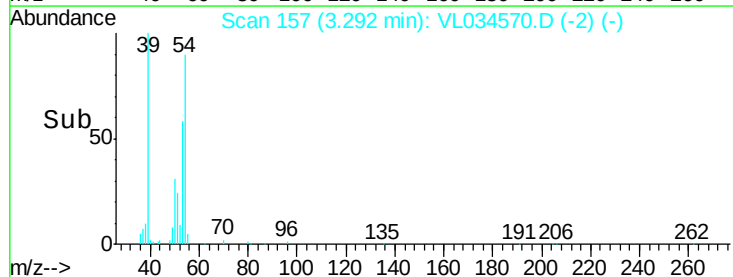
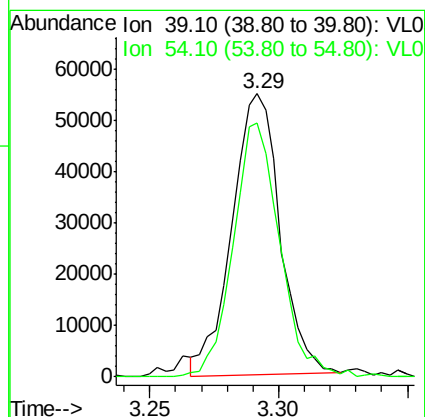
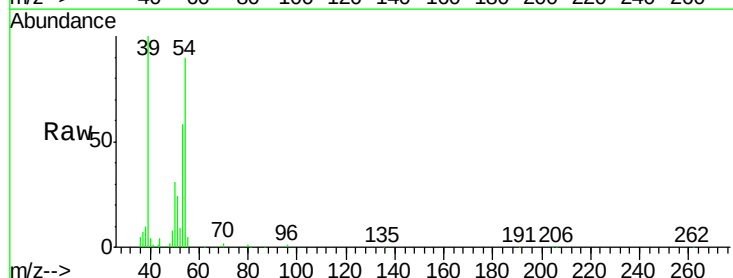
Acq: 30 Jan 2020 13:23

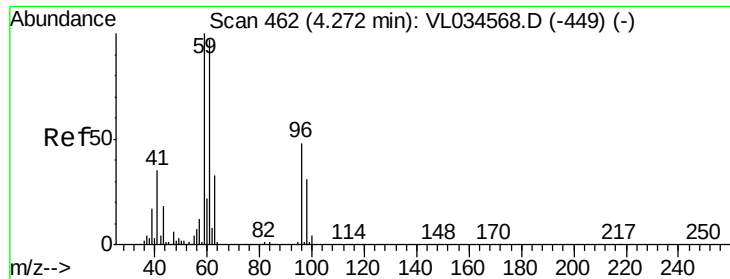
Tgt Ion: 39 Resp: 71360

Ion Ratio Lower Upper

39 100

54 87.8 66.2 99.2





#17

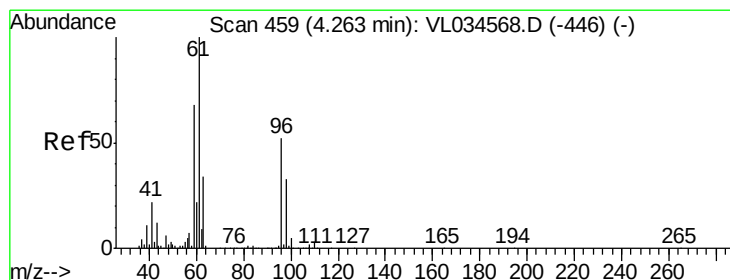
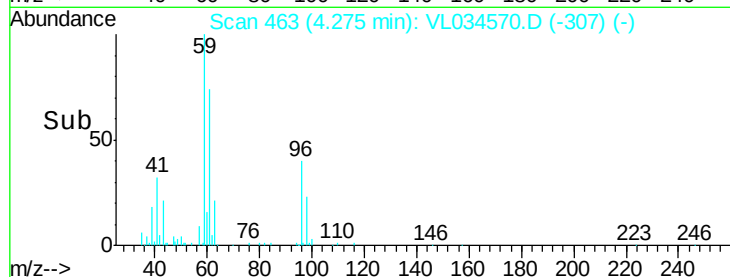
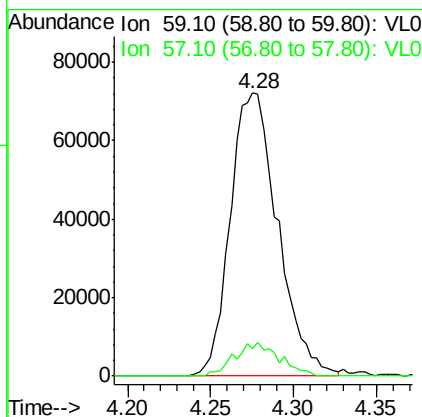
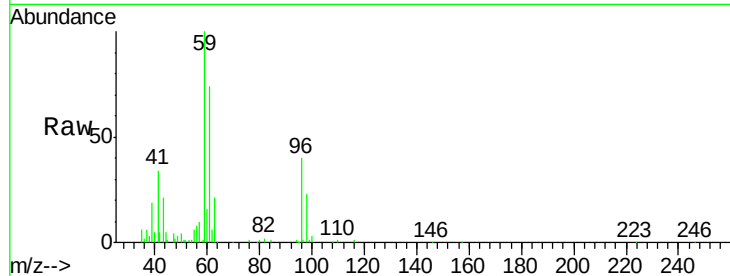
tert-Butyl alcohol
Concen: 1.072 ppbv
RT: 4.28 min Scan# 463
Delta R.T. 0.00 min
Lab File: VL034570.D
Acq: 30 Jan 2020 13:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.4	8.6	12.8

Manual Integrations
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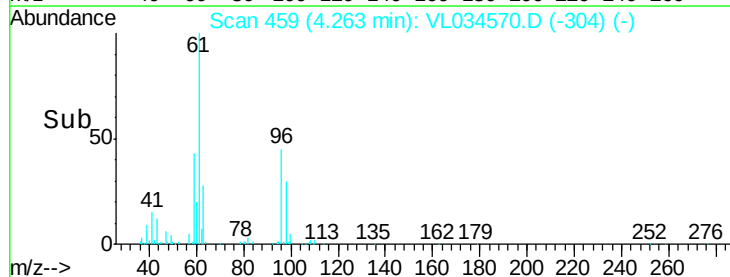
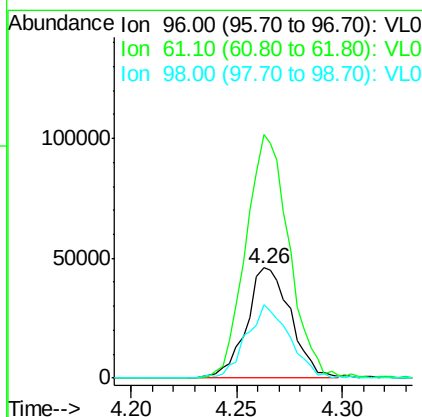
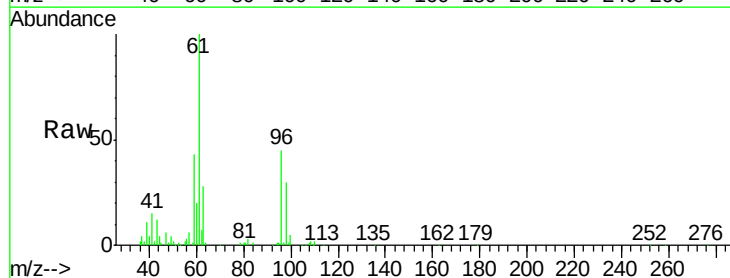
MMDadoda
1/31/2020 4:23:55 PM

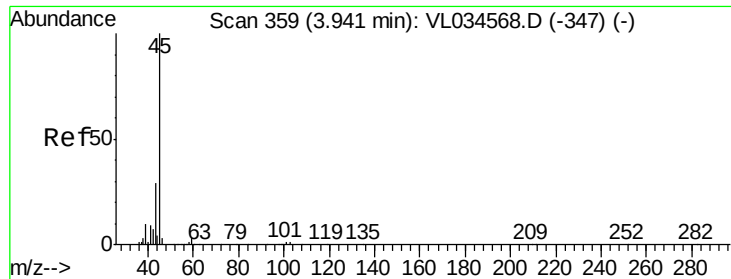


#18

1,1-Dichloroethene
Concen: 1.156 ppbv
RT: 4.26 min Scan# 459
Delta R.T. -0.00 min
Lab File: VL034570.D
Acq: 30 Jan 2020 13:23

Tgt Ion	Ratio	Lower	Upper
96	100		
61	221.3	165.9	248.9
98	66.8	51.9	77.9





#19

Isopropyl Alcohol

Concen: 0.997 ppbv

RT: 3.94 min Scan# 360

Delta R.T. 0.00 min

Lab File: VL034570.D

Acq: 30 Jan 2020 13:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 45 Resp: 107877

Ion Ratio Lower Upper

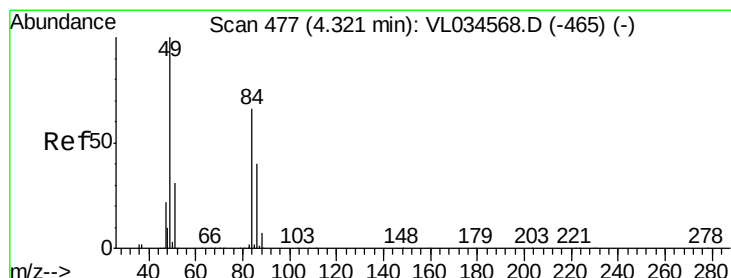
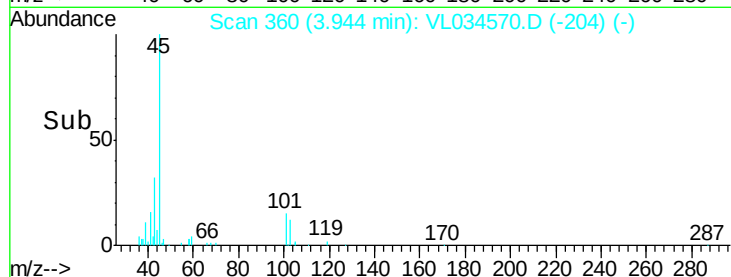
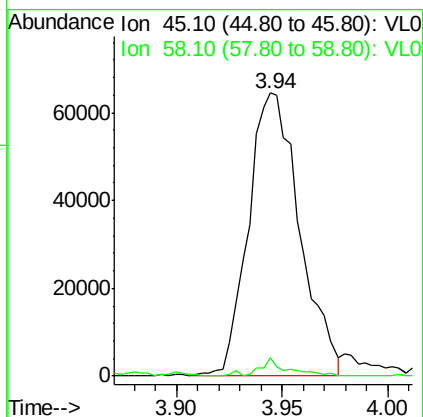
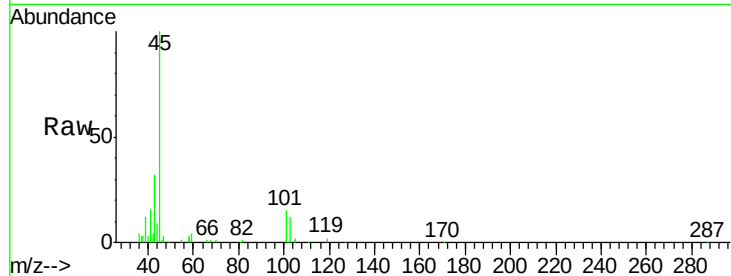
45 100

58 3.7 1.4 2.0#

Manual Integrations
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#20

Methylene Chloride

Concen: 1.096 ppbv

RT: 4.32 min Scan# 477

Delta R.T. -0.00 min

Lab File: VL034570.D

Acq: 30 Jan 2020 13:23

Tgt Ion: 84 Resp: 72106

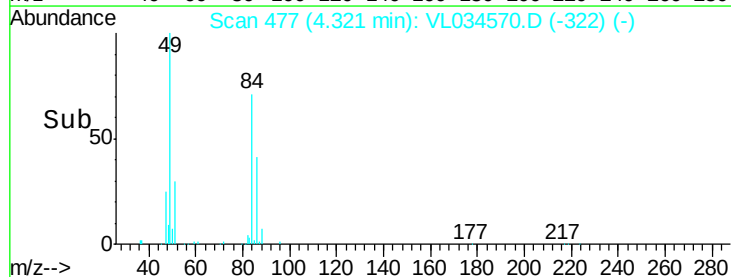
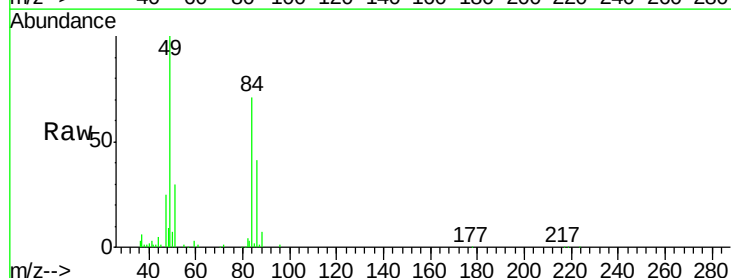
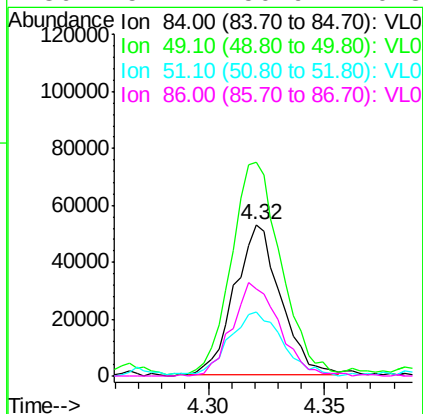
Ion Ratio Lower Upper

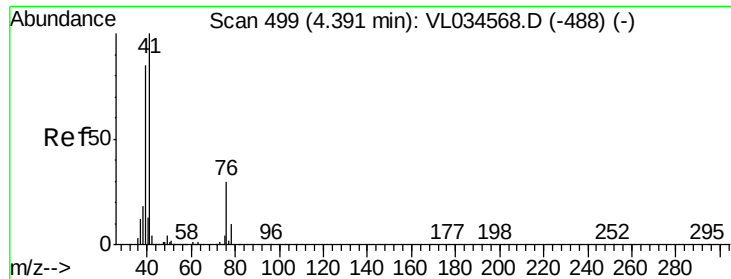
84 100

49 140.3 124.4 186.6

51 41.9 37.0 55.6

86 57.4 50.9 76.3





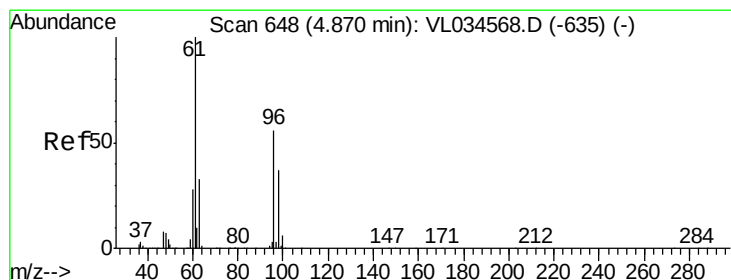
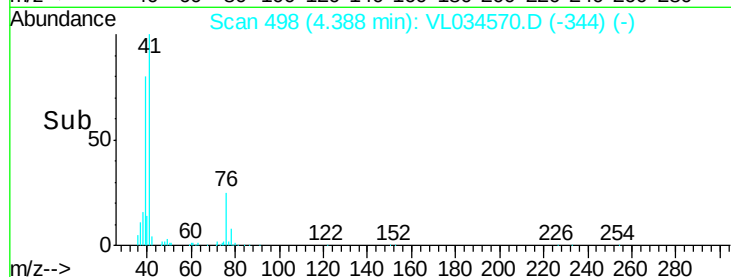
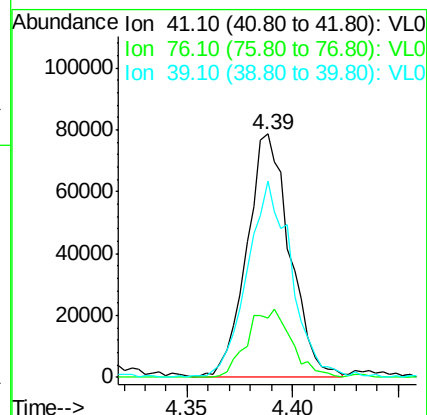
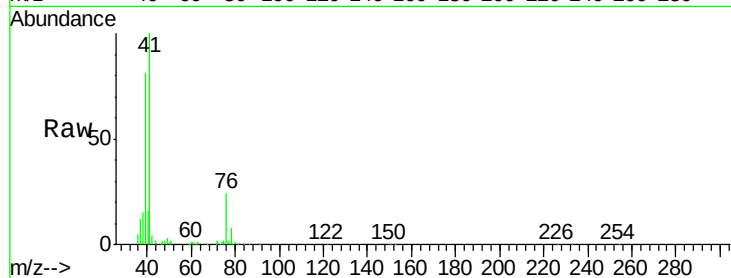
#21
Allvl Chloride
Concen: 1.157 ppbv
RT: 4.39 min Scan# 498
Delta R.T. -0.00 min
Lab File: VL034570.D
Acq: 30 Jan 2020 13:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
76	29.4	24.2	36.4
39	83.7	65.8	98.6

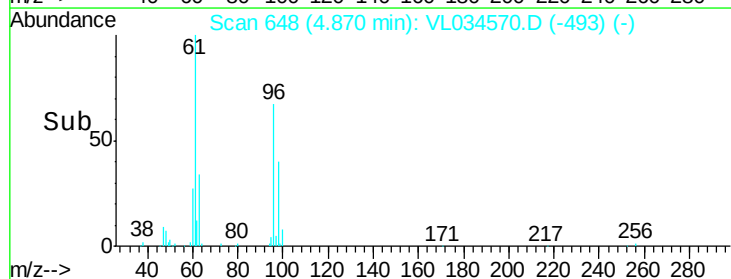
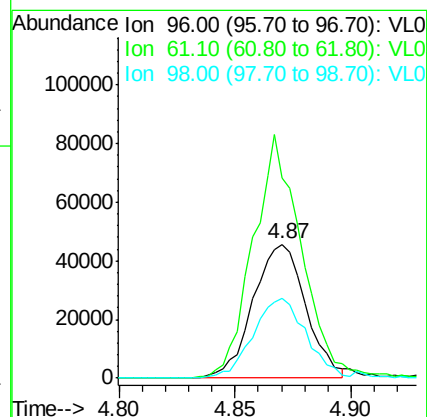
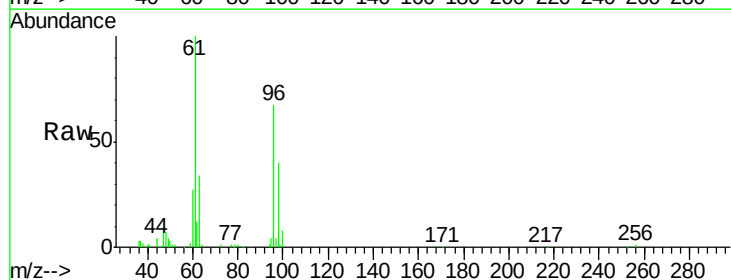
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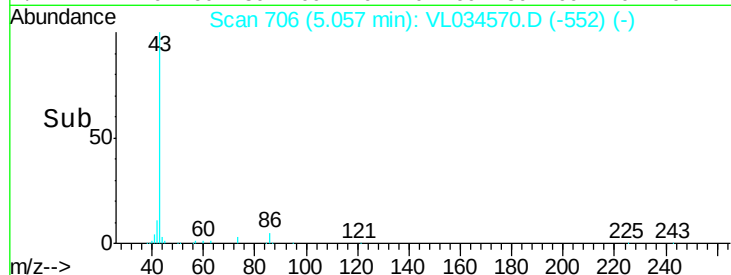
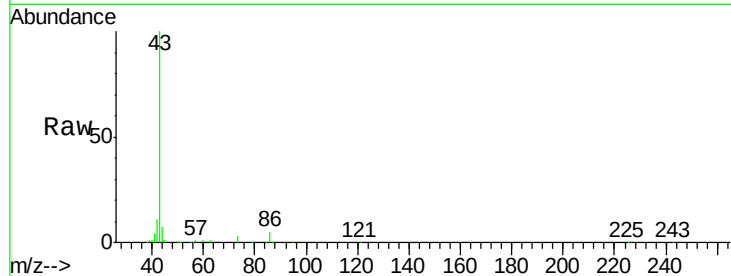
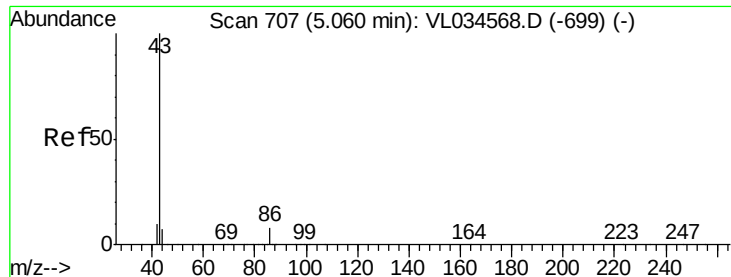
MMDadoda
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#22
trans-1,2-Dichloroethene
Concen: 1.229 ppbv
RT: 4.87 min Scan# 648
Delta R.T. -0.00 min
Lab File: VL034570.D
Acq: 30 Jan 2020 13:23

Tgt Ion	Ratio	Lower	Upper
96	100		
61	149.2	128.4	192.6
98	59.9	50.6	75.8





#23

Vinyl Acetate

Concen: 0.998 ppbv

RT: 5.06 min Scan# 706

Delta R.T. -0.00 min

Lab File: VL034570.D

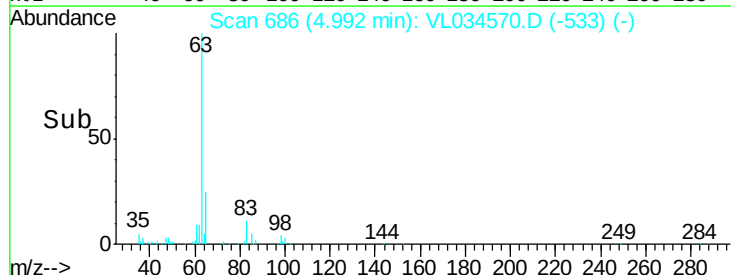
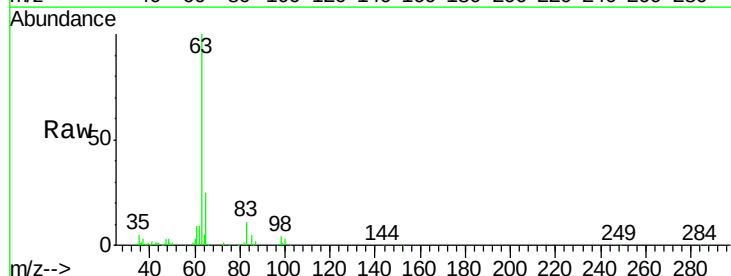
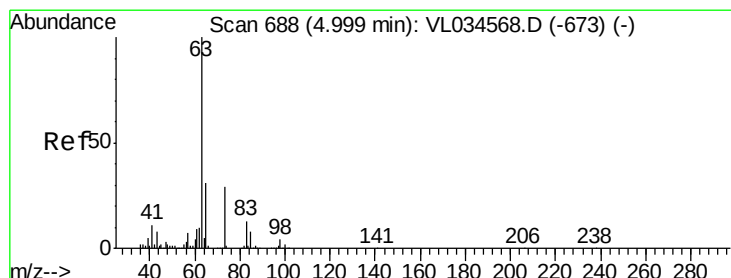
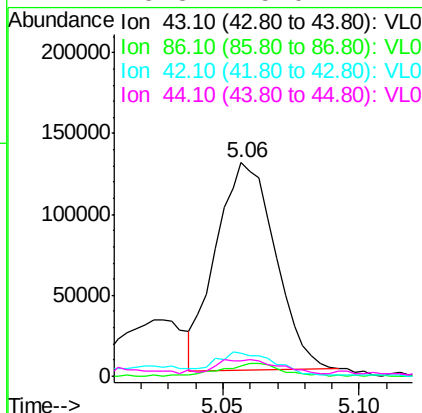
Acq: 30 Jan 2020 13:23

Tot Ion	43	Resp	192694
Ion Ratio	Lower	Upper	
43	100		
86	4.8	5.4	8.2#
42	11.0	8.9	13.3
44	5.3	5.0	7.4

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Manual Integrations
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1/31/2020 4:23:55 PM



#24

1,1-Dichloroethane

Concen: 1.127 ppbv

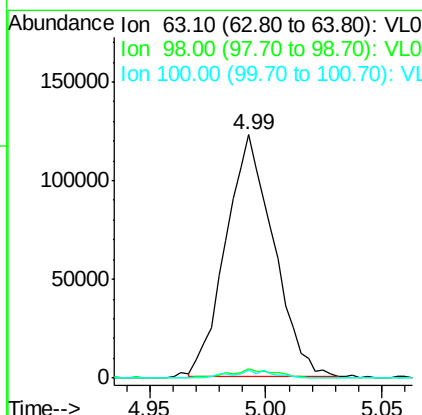
RT: 4.99 min Scan# 686

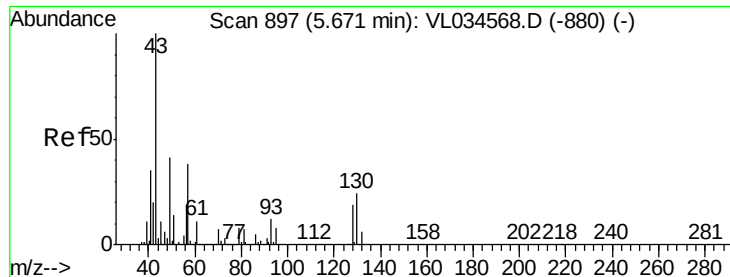
Delta R.T. -0.01 min

Lab File: VL034570.D

Acq: 30 Jan 2020 13:23

Tgt Ion	63	Resp	174746
Ion Ratio	Lower	Upper	
63	100		
98	4.0	2.1	6.3
100	3.1	1.1	3.3





#25

Ethyl Acetate

Concen: 1.137 ppbv

RT: 5.67 min Scan# 898

Delta R.T. 0.00 min

Lab File: VL034570.D

Acq: 30 Jan 2020 13:23

Instrument :

MSVOA_L

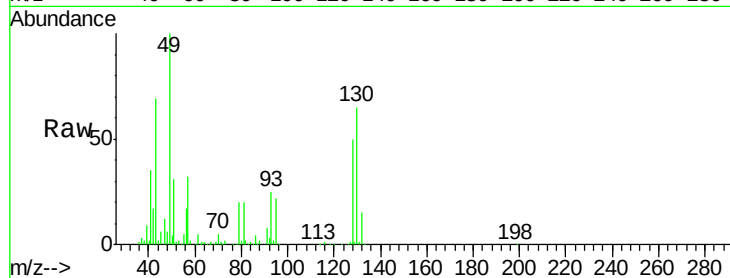
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
43	100		
45	9.5	8.3	12.5
61	9.3	7.8	11.6
70	6.8	5.8	8.8

Manual Integrations
APPROVED

MMDadoda
1/31/2020 4:23:55 PM



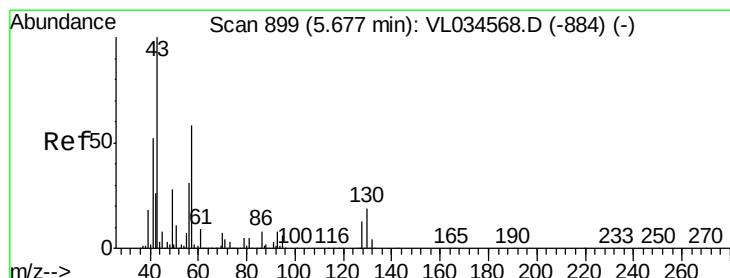
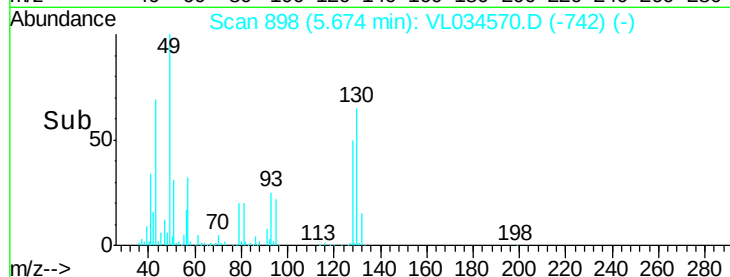
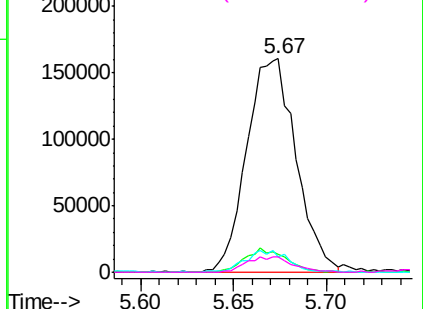
Abundance

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: 1.113 ppbv

RT: 5.67 min Scan# 898

Delta R.T. -0.00 min

Lab File: VL034570.D

Acq: 30 Jan 2020 13:23

Tgt Ion	Ratio	Lower	Upper
57	100		
41	99.3	75.3	112.9
43	247.4	189.4	284.2
56	56.2	42.8	64.2

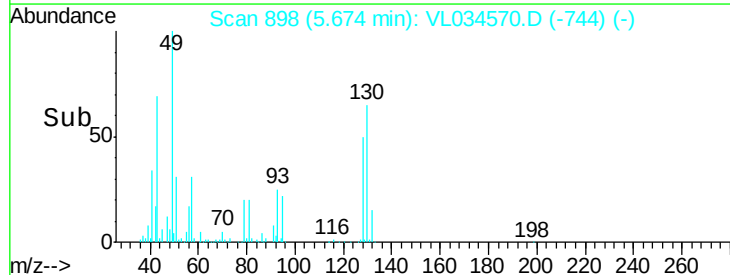
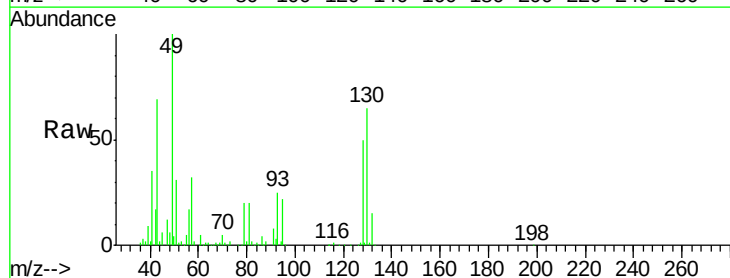
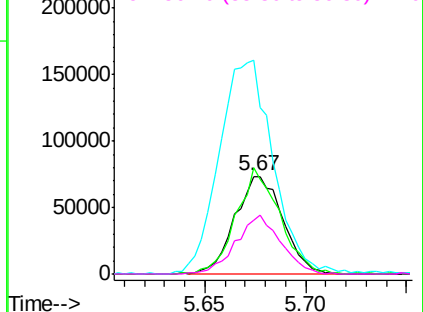
Abundance

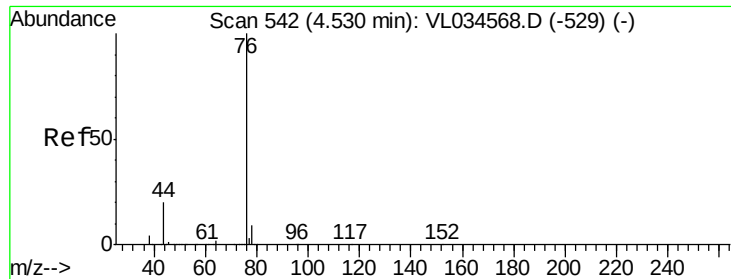
Ion 57.10 (56.80 to 57.80): VL0

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: 1.138 ppbv

RT: 4.53 min Scan# 543

Delta R.T. 0.00 min

Lab File: VL034570.D

Acq: 30 Jan 2020 13:23

Instrument :

MSVOA_L

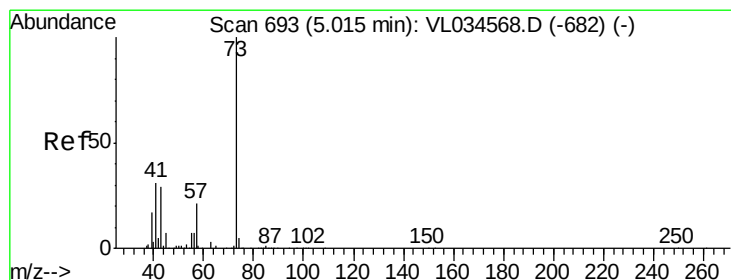
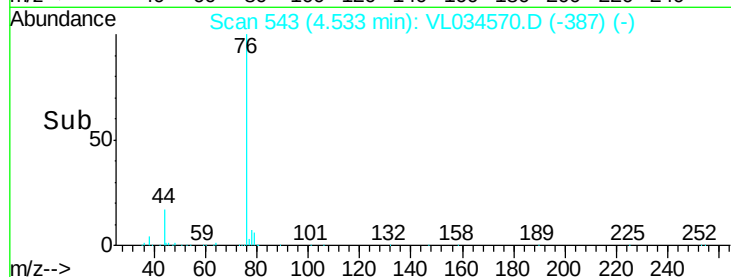
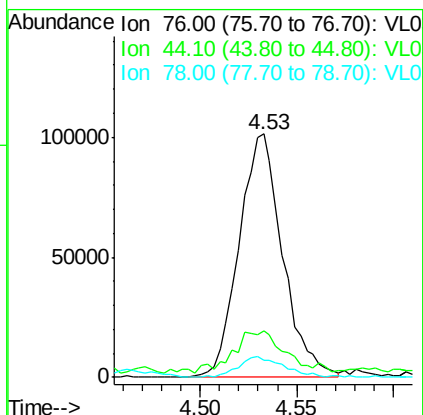
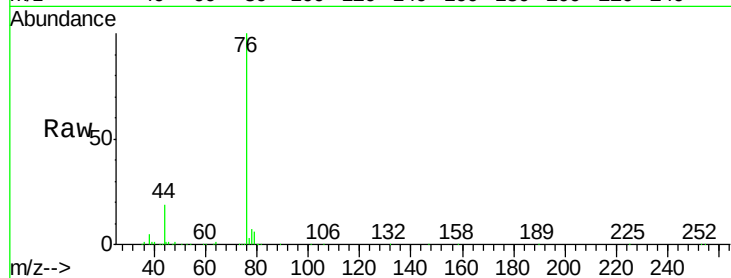
ClientSampleId :

VSTDIC001

Tot Ion:	76	Resp:	158273
Ion	Ratio	Lower	Upper
76	100		
44	22.6	16.6	25.0
78	9.2	7.4	11.0

Manual Integrations
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#28

Methyl tert-Butyl Ether

Concen: 1.184 ppbv

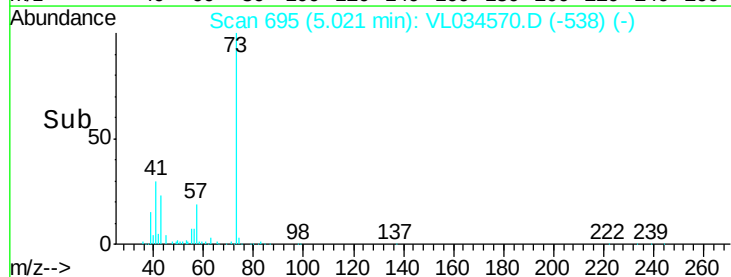
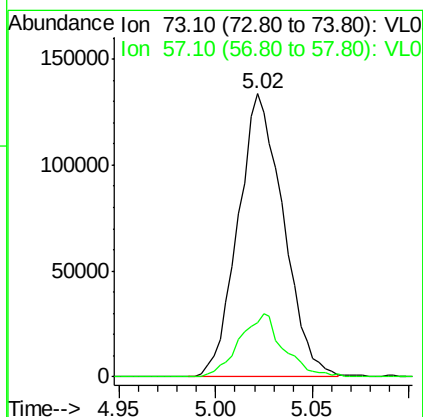
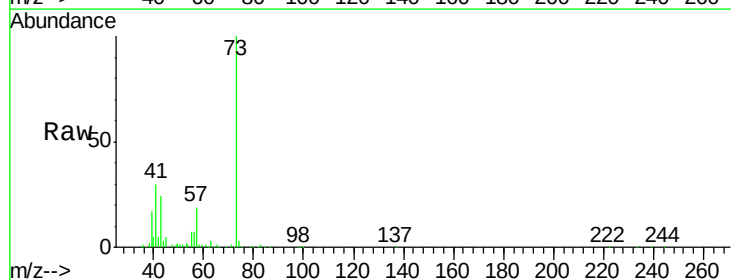
RT: 5.02 min Scan# 695

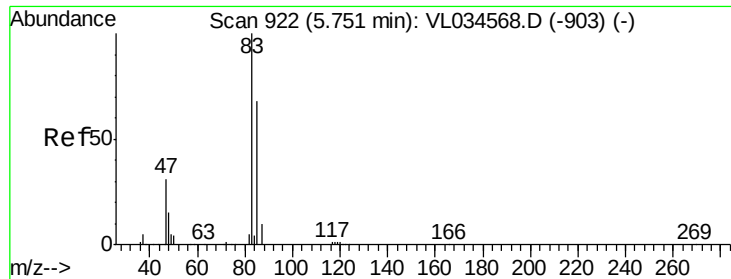
Delta R.T. 0.01 min

Lab File: VL034570.D

Acq: 30 Jan 2020 13:23

Tgt Ion:	73	Resp:	217496
Ion	Ratio	Lower	Upper
73	100		
57	21.8	18.2	27.2





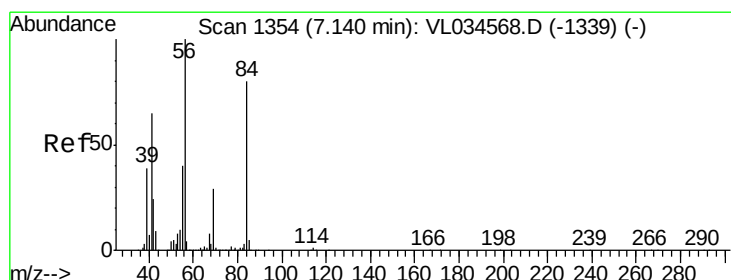
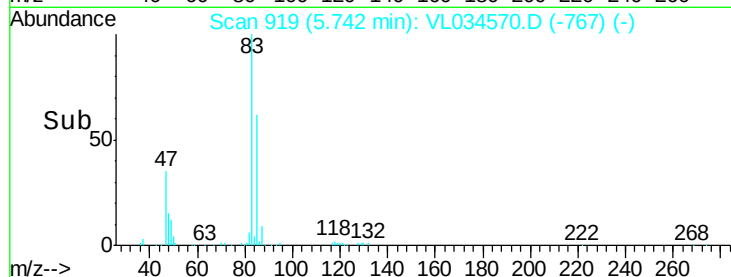
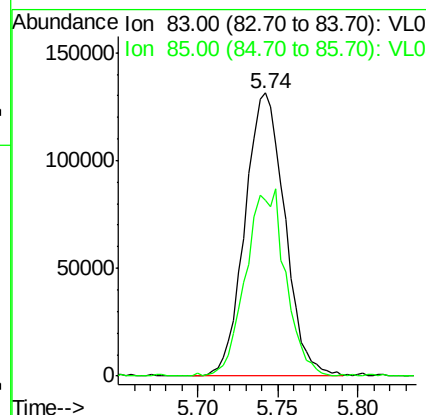
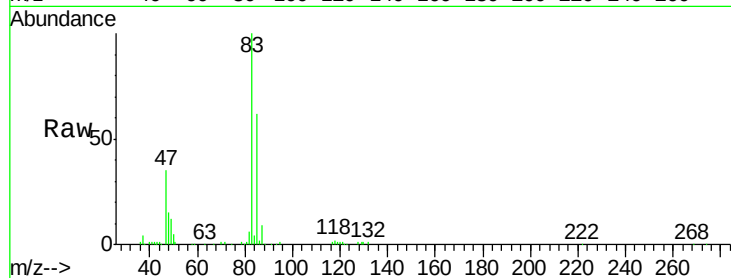
#29
Chloroform
Concen: 1.168 ppbv
RT: 5.74 min Scan# 919
Delta R.T. -0.01 min
Lab File: VL034570.D
Acq: 30 Jan 2020 13:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
83	100		
85	61.9	51.0	76.6

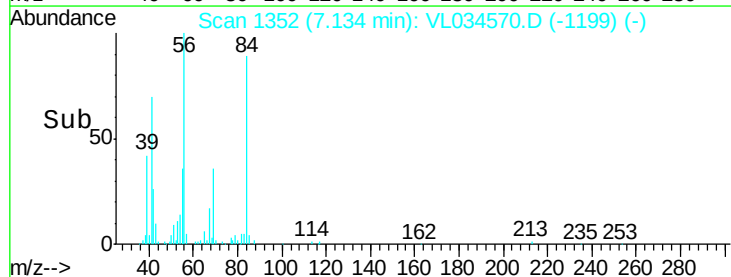
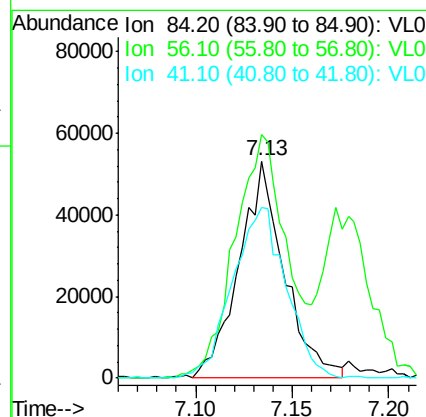
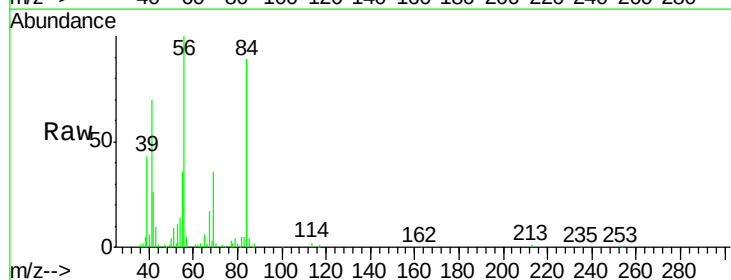
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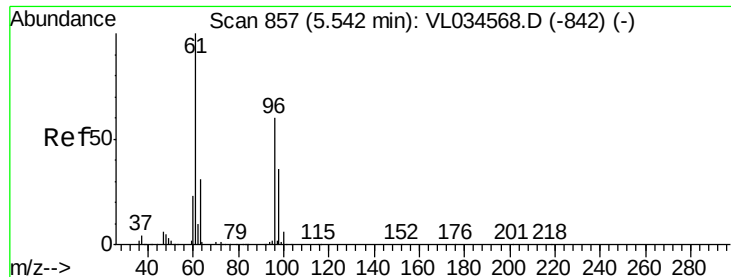
MMDadoda
1/31/2020 4:23:55 PM



#30
Cyclohexane
Concen: 1.059 ppbv
RT: 7.13 min Scan# 1352
Delta R.T. -0.01 min
Lab File: VL034570.D
Acq: 30 Jan 2020 13:23

Tgt Ion	Ratio	Lower	Upper
84	100		
56	134.4	112.7	169.1
41	93.5	73.0	109.4





#31

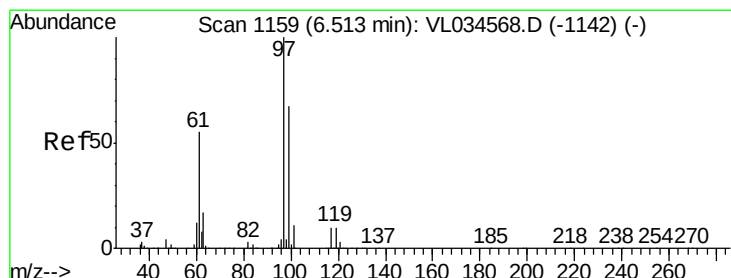
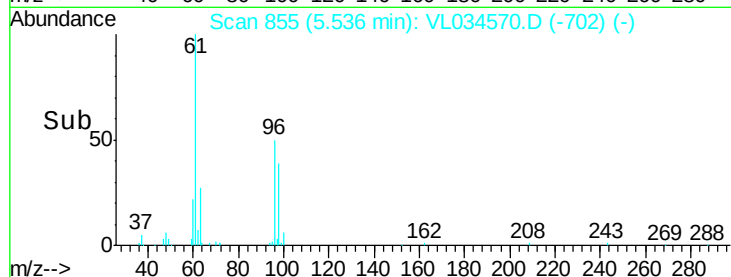
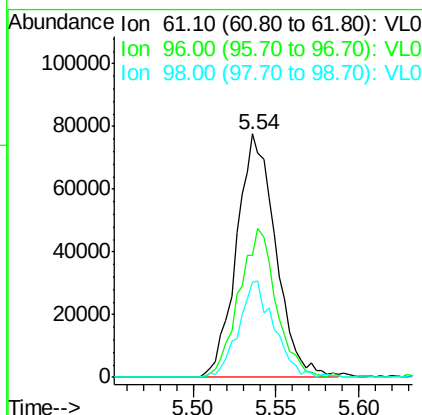
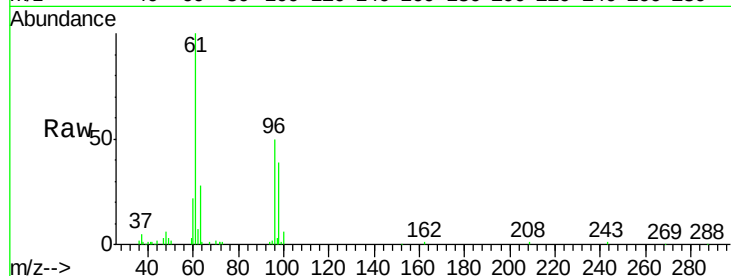
cis-1,2-Dichloroethene
 Concen: 1.135 ppbv
 RT: 5.54 min Scan# 855
 Delta R.T. -0.01 min
 Lab File: VL034570.D
 Acq: 30 Jan 2020 13:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion:	61	Resp:	127261
Ion Ratio	Lower	Upper	
61	100		
96	50.0	47.1	70.7
98	38.8	31.0	46.6

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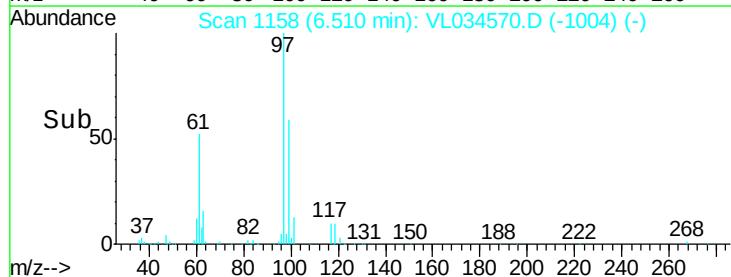
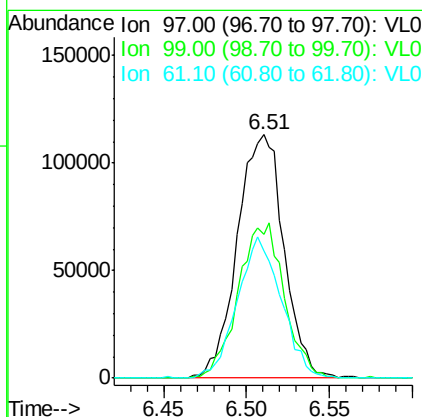
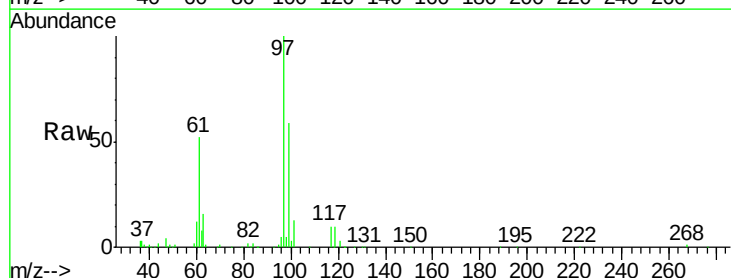
MMDadoda
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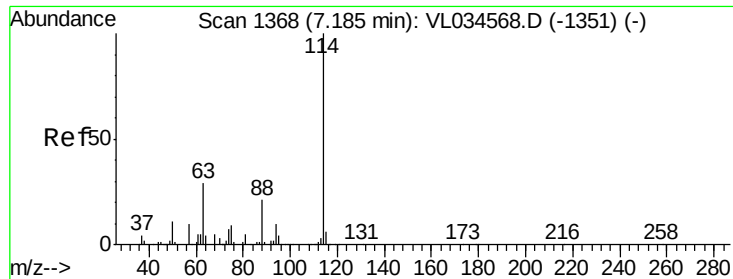


#32

1,1,1-Trichloroethane
 Concen: 1.121 ppbv
 RT: 6.51 min Scan# 1158
 Delta R.T. -0.00 min
 Lab File: VL034570.D
 Acq: 30 Jan 2020 13:23

Tgt Ion:	97	Resp:	221506
Ion Ratio	Lower	Upper	
97	100		
99	62.7	51.7	77.5
61	55.1	42.9	64.3





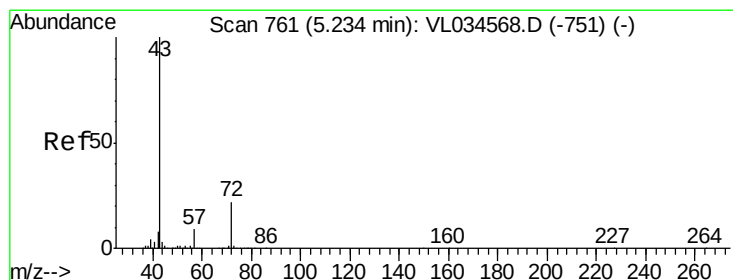
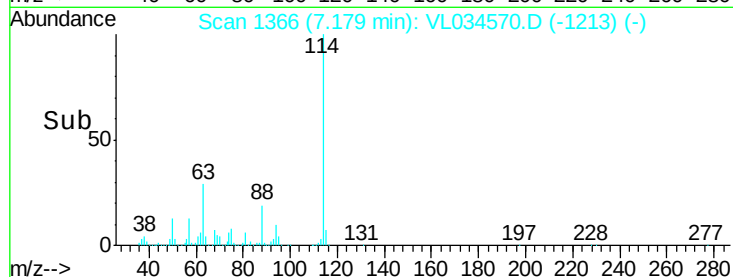
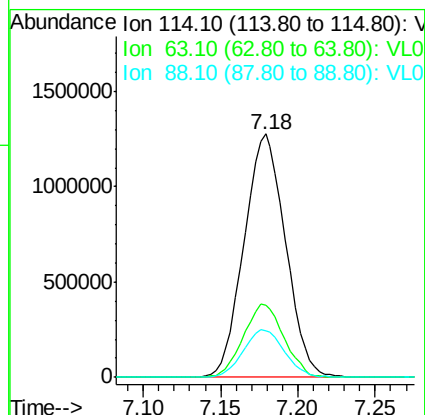
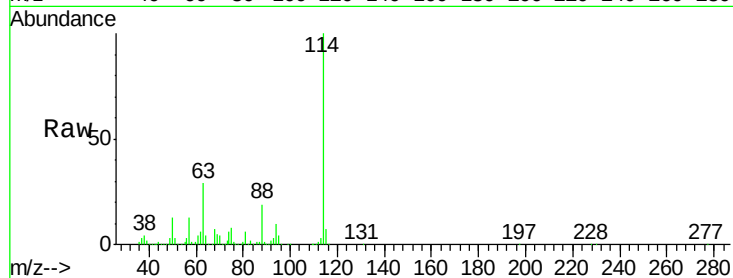
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. -0.01 min
 Lab File: VL034570.D
 Acq: 30 Jan 2020 13:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion:114 Resp: 2377645
 Ion Ratio Lower Upper
 114 100
 63 29.7 24.1 36.1
 88 19.6 15.7 23.5

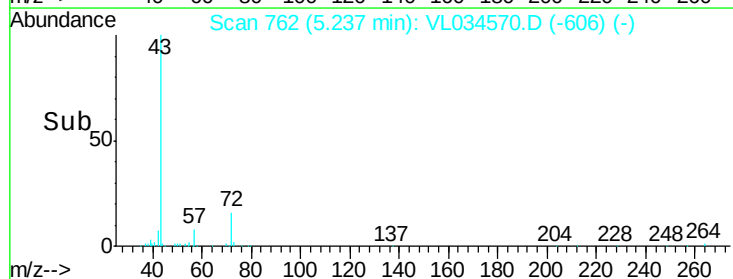
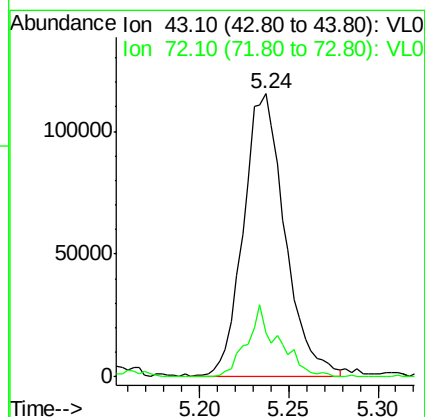
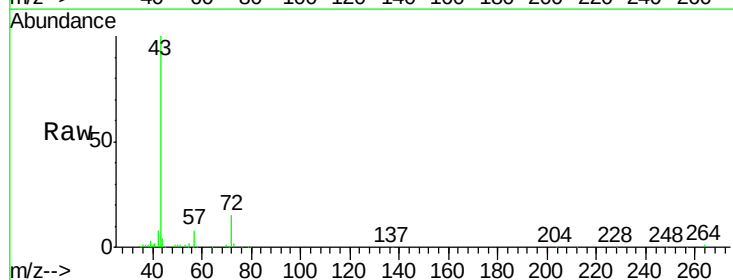
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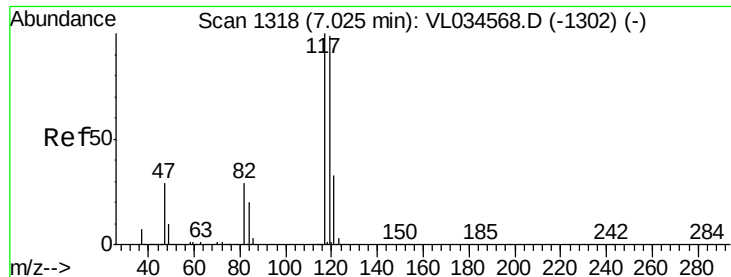
MMDadoda
 1/31/2020 4:23:55 PM



#34
 2-Butanone
 Concen: 1.095 ppbv
 RT: 5.24 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VL034570.D
 Acq: 30 Jan 2020 13:23

Tgt Ion: 43 Resp: 185989
 Ion Ratio Lower Upper
 43 100
 72 19.7 17.0 25.4





#35

Carbon Tetrachloride

Concen: 1.072 ppbv

RT: 7.02 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VL034570.D

Acq: 30 Jan 2020 13:23

Instrument :

MSVOA_L

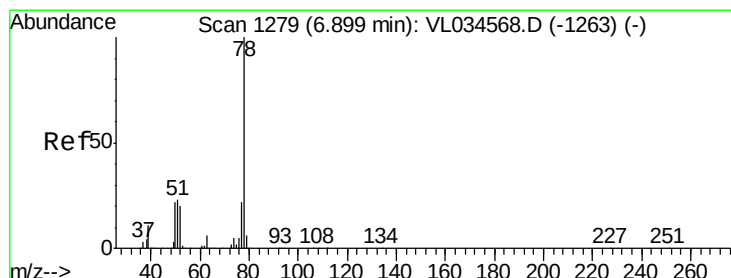
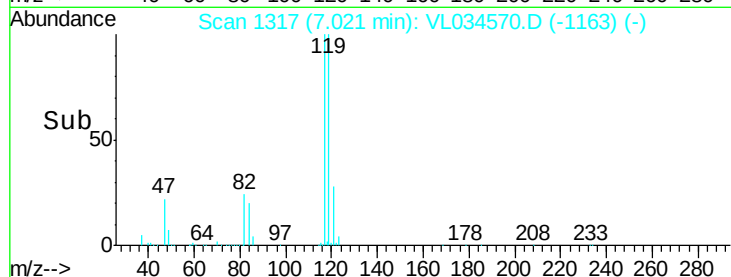
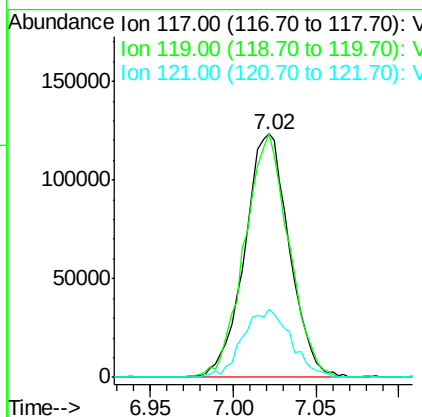
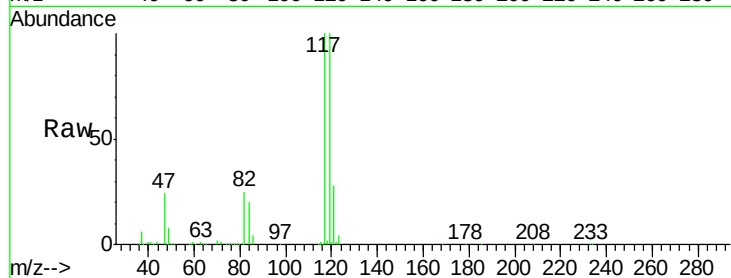
ClientSampleId :

VSTDIC001

Tot Ion:	117	Resp:	231176
Ion Ratio	Lower	Upper	
117	100		
119	99.9	78.7	118.1
121	28.0	25.9	38.9

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#36

Benzene

Concen: 1.059 ppbv

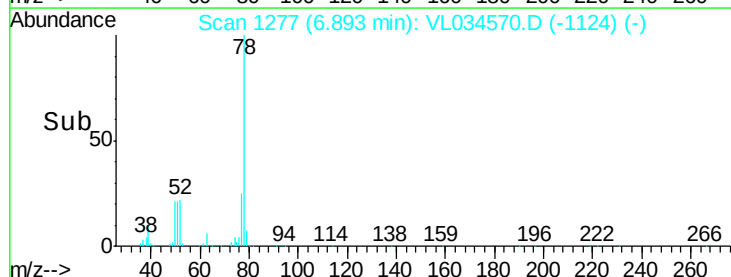
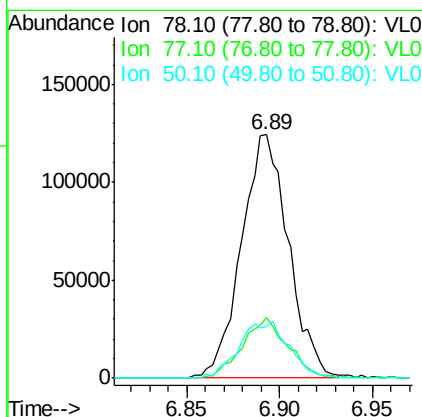
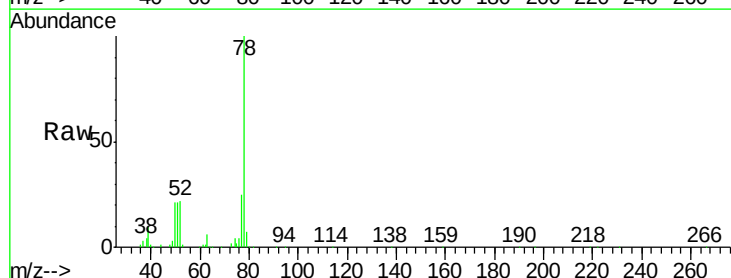
RT: 6.89 min Scan# 1277

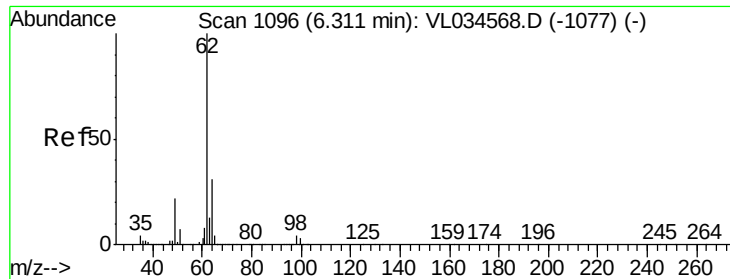
Delta R.T. -0.01 min

Lab File: VL034570.D

Acq: 30 Jan 2020 13:23

Tgt Ion:	78	Resp:	219411
Ion Ratio	Lower	Upper	
78	100		
77	25.1	18.6	28.0
50	21.1	18.8	28.2





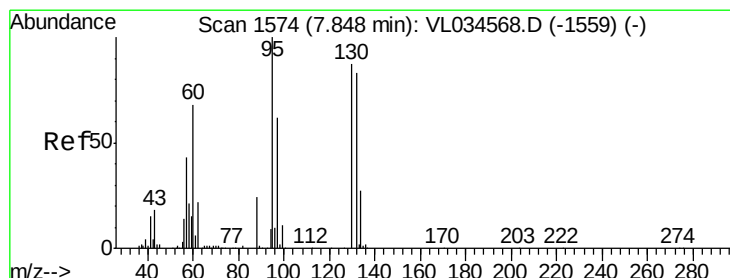
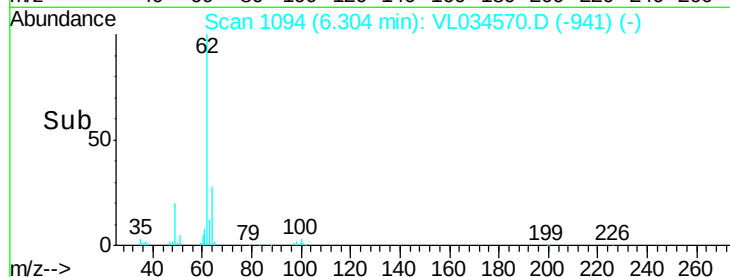
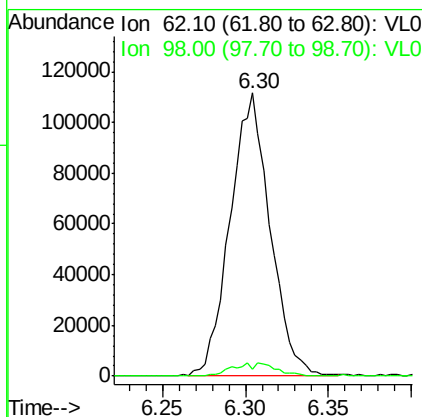
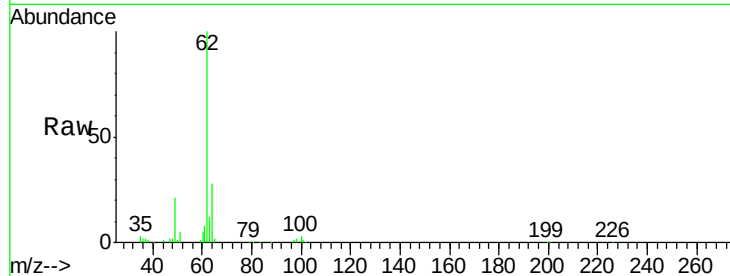
#37
 1,2-Dichloroethane
 Concen: 1.112 ppbv
 RT: 6.30 min Scan# 1094
 Delta R.T. -0.01 min
 Lab File: VL034570.D
 Acq: 30 Jan 2020 13:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
62	100		
98	4.9	3.8	5.6

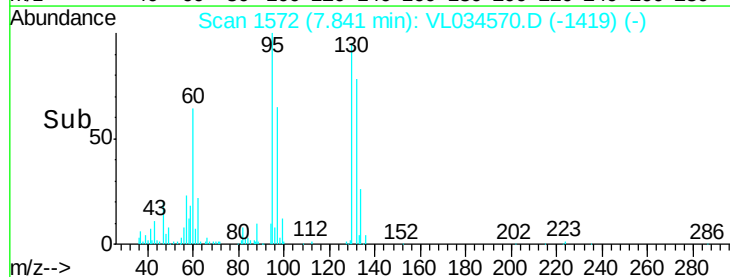
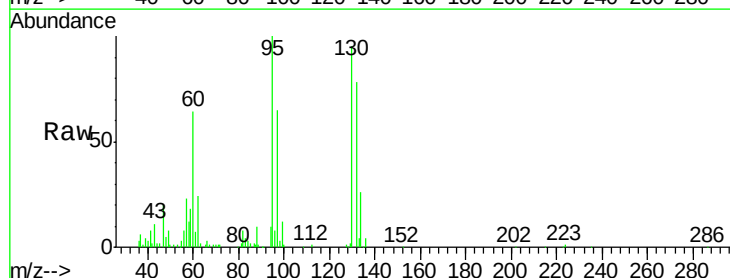
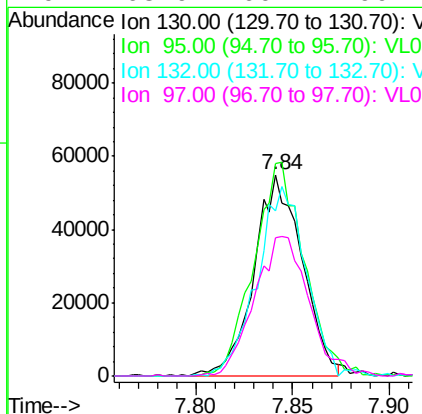
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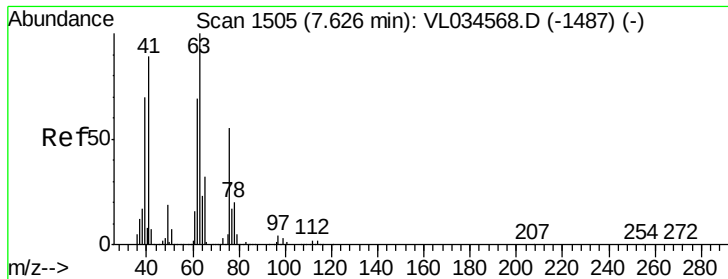
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#38
 Trichloroethene
 Concen: 1.134 ppbv
 RT: 7.84 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: VL034570.D
 Acq: 30 Jan 2020 13:23

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.6	94.2	141.2
132	82.2	76.1	114.1
97	68.9	60.2	90.2





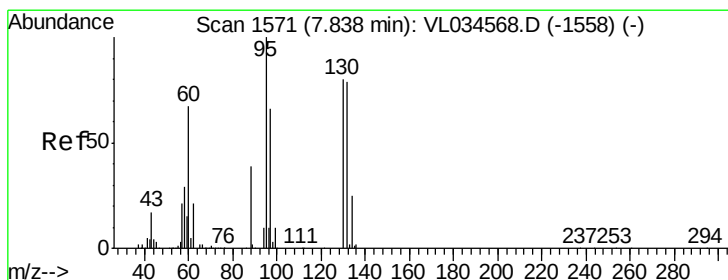
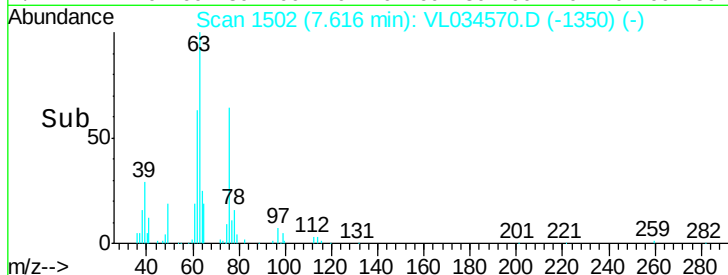
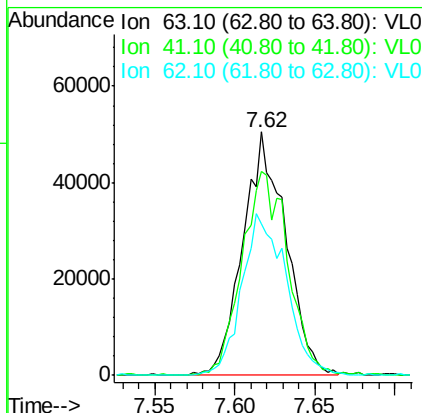
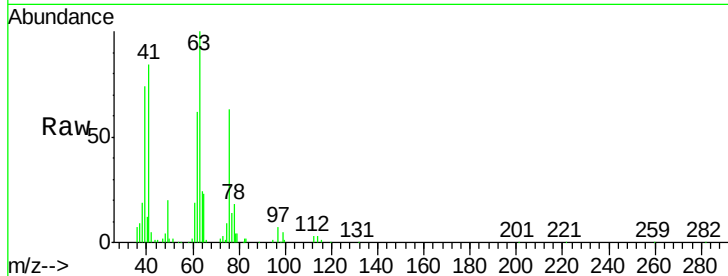
#39
 1,2-Dichloropropane
 Concen: 1.088 ppbv
 RT: 7.62 min Scan# 1502
 Delta R.T. -0.01 min
 Lab File: VL034570.D
 Acq: 30 Jan 2020 13:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
63	100		
41	84.0	66.1	99.1
62	62.0	54.9	82.3

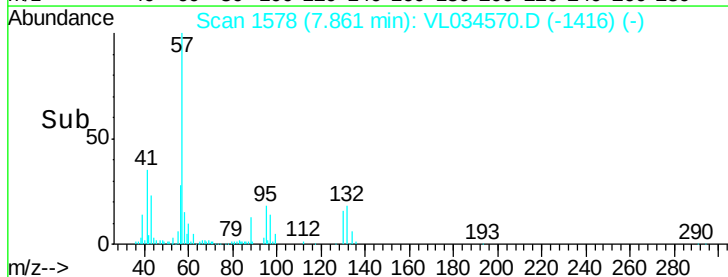
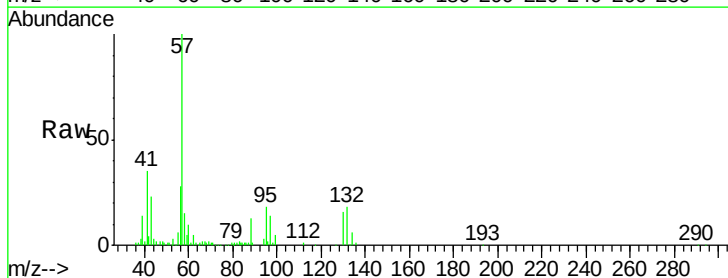
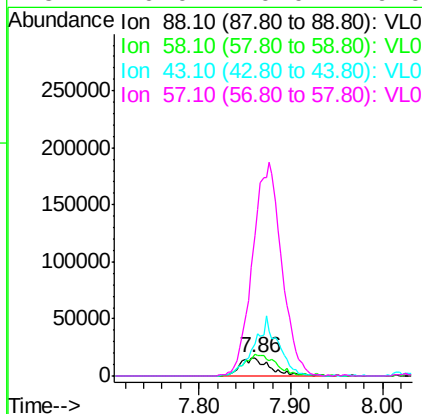
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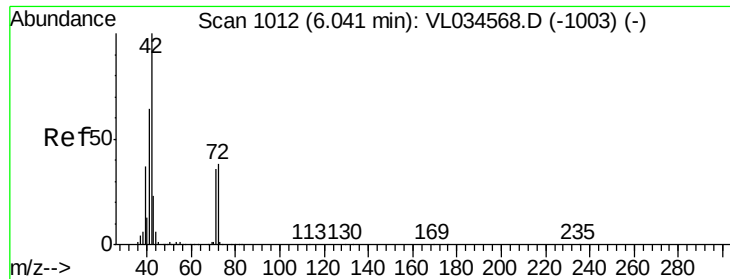
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#40
 1,4-Dioxane
 Concen: 1.077 ppbv m
 RT: 7.86 min Scan# 1578
 Delta R.T. 0.02 min
 Lab File: VL034570.D
 Acq: 30 Jan 2020 13:23

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





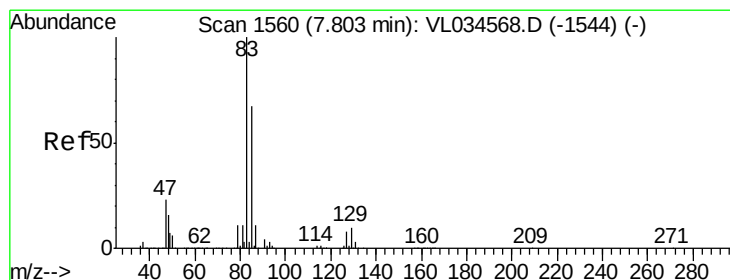
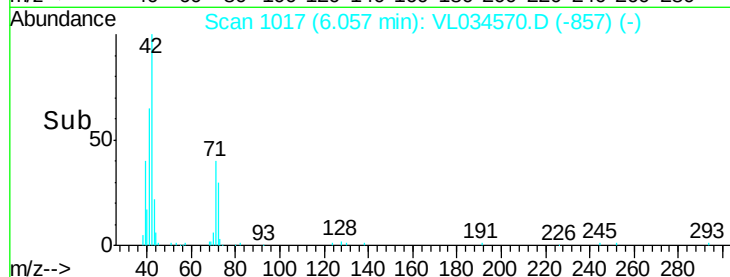
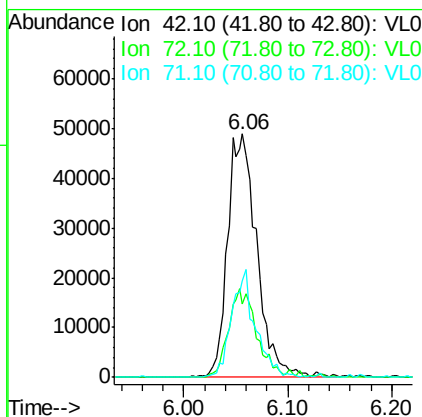
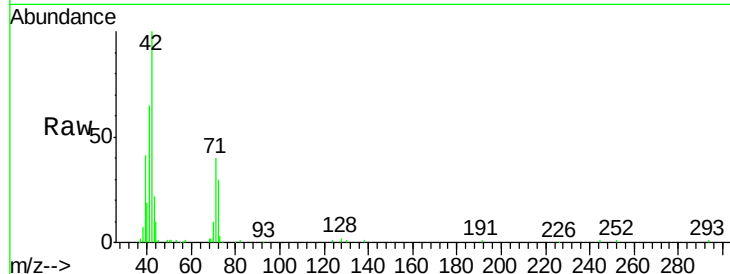
#41
Tetrahydrofuran
Concen: 1.092 ppbv m
RT: 6.06 min Scan# 1017
Delta R.T. 0.02 min
Lab File: VL034570.D
Acq: 30 Jan 2020 13:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.9	46.3#
71	0.0	28.9	43.3#

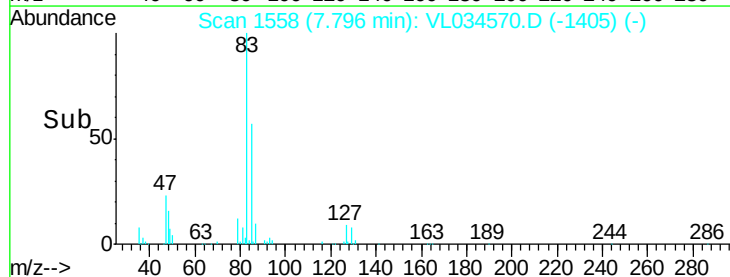
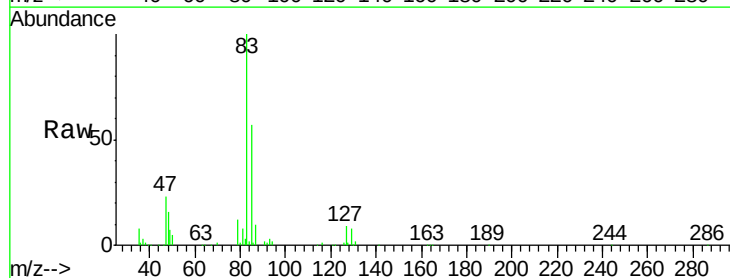
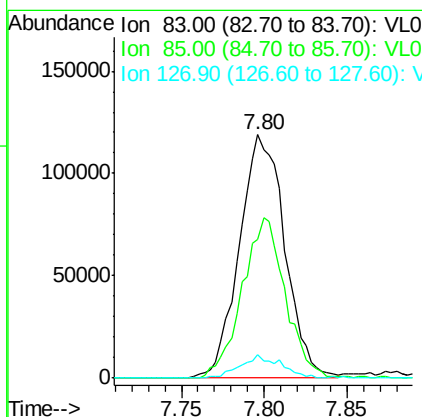
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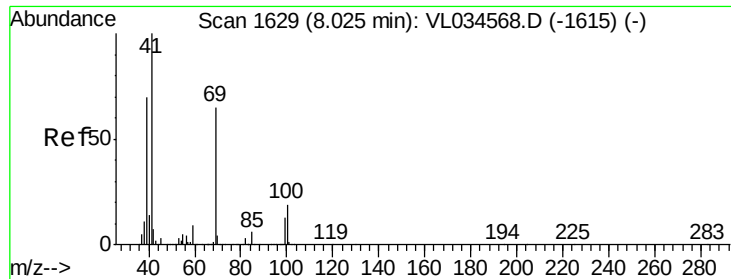
MMDadoda
1/31/2020 4:23:55 PM



#42
Bromodichloromethane
Concen: 1.096 ppbv
RT: 7.80 min Scan# 1558
Delta R.T. -0.01 min
Lab File: VL034570.D
Acq: 30 Jan 2020 13:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	56.8	49.4	74.2
127	9.5	6.2	9.4#





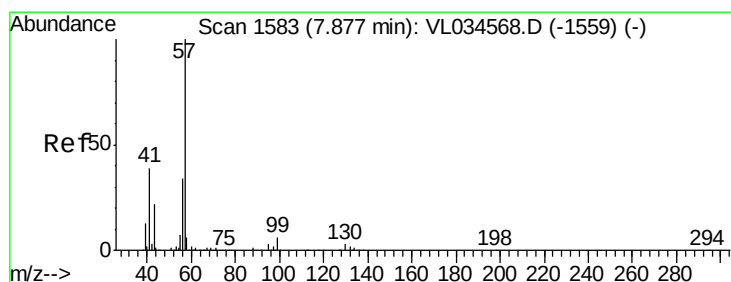
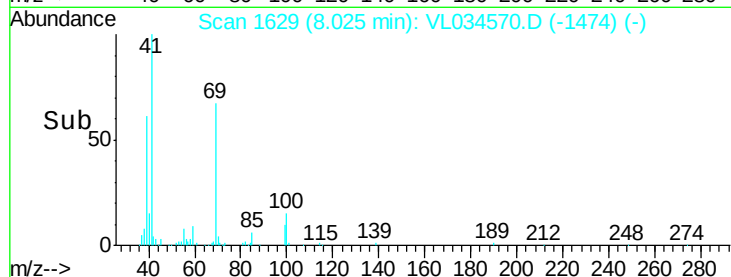
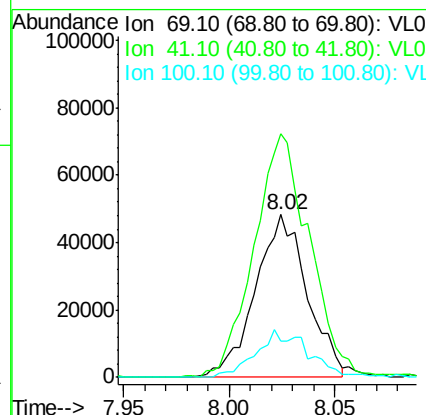
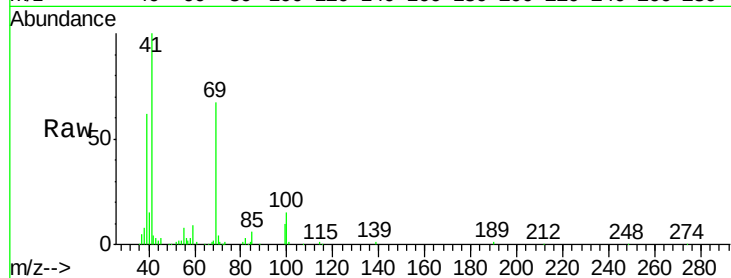
#43
Methyl Methacrylate
Concen: 0.977 ppbv
RT: 8.02 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VL034570.D
Acq: 30 Jan 2020 13:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	160.4	124.0	186.0	
100	29.4	23.1	34.7	

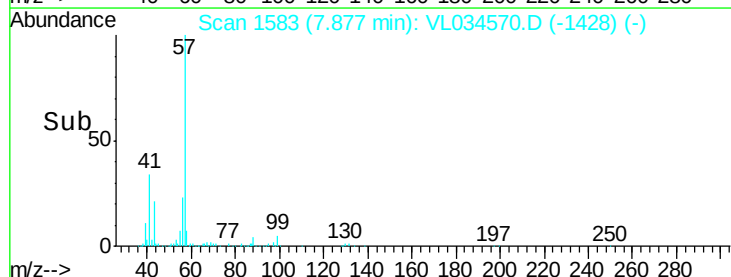
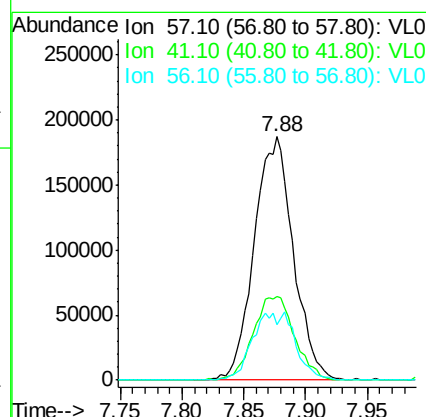
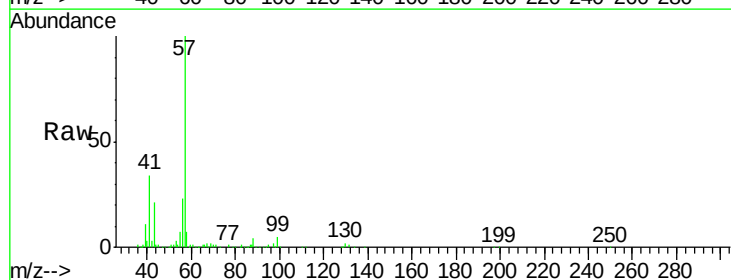
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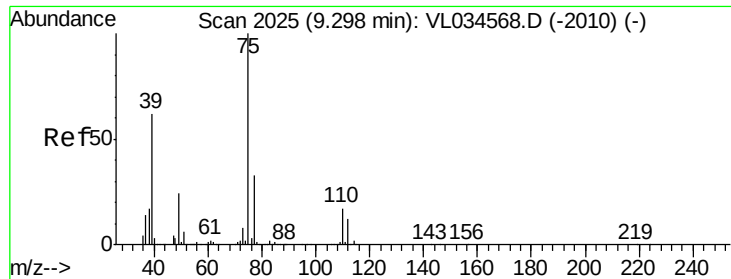
MMDadoda
1/31/2020 4:23:55 PM



#44
2,2,4-Trimethylpentane
Concen: 1.071 ppbv m
RT: 7.88 min Scan# 1583
Delta R.T. -0.00 min
Lab File: VL034570.D
Acq: 30 Jan 2020 13:23

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	0.0	29.0	43.4#	
56	0.0	24.9	37.3#	





#45

t-1,3-Dichloropropene

Concen: 0.918 ppbv

RT: 9.29 min Scan# 2022

Delta R.T. -0.01 min

Lab File: VL034570.D

Acq: 30 Jan 2020 13:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 75 Resp: 99931

Ion Ratio Lower Upper

75 100

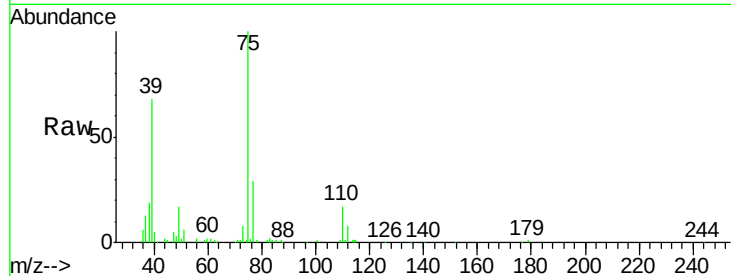
77 29.1 24.2 36.2

Manual Integrations

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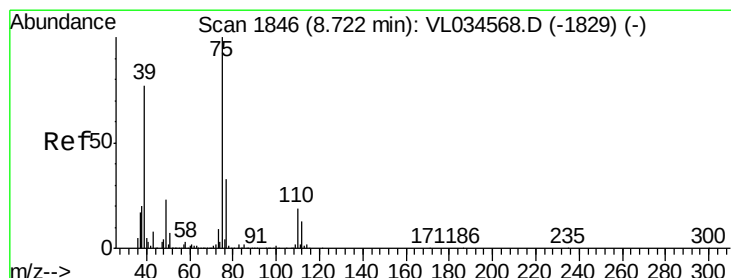
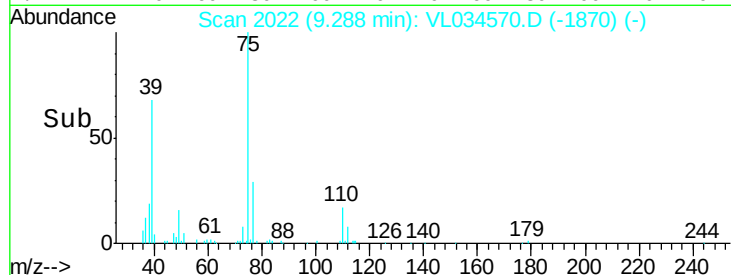
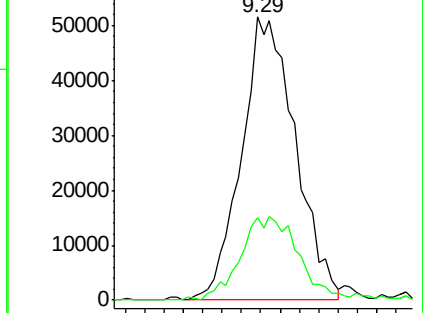
MMDadoda

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Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 0.947 ppbv

RT: 8.72 min Scan# 1844

Delta R.T. -0.01 min

Lab File: VL034570.D

Acq: 30 Jan 2020 13:23

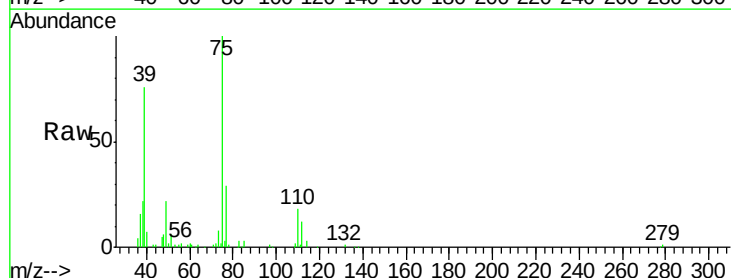
Tgt Ion: 75 Resp: 117914

Ion Ratio Lower Upper

75 100

39 74.2 60.5 90.7

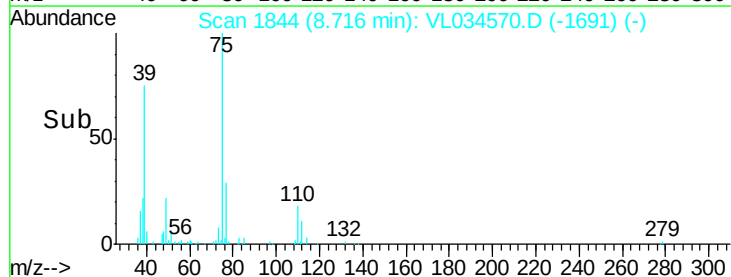
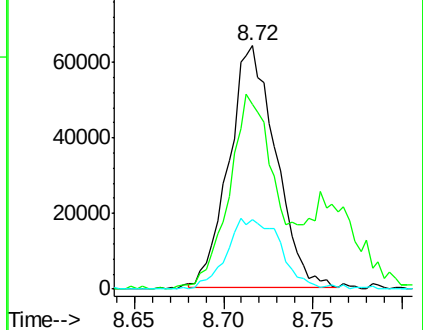
77 28.8 24.8 37.2

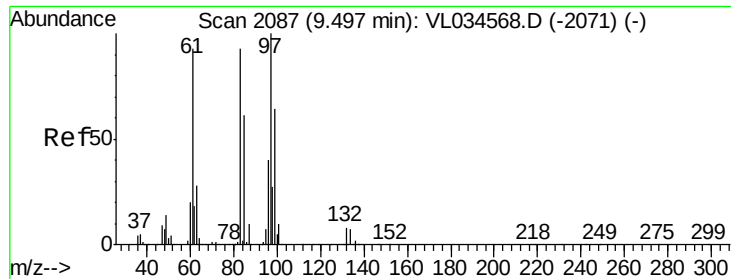


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0





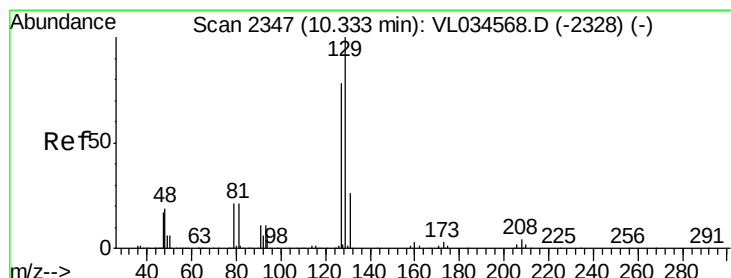
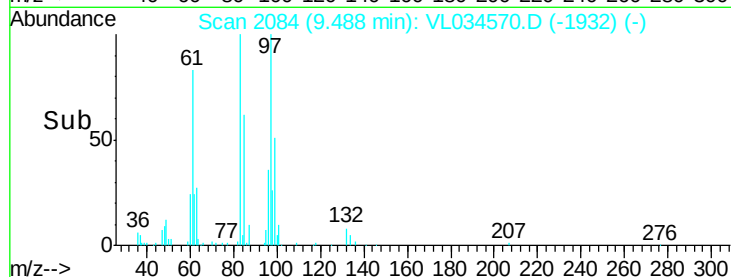
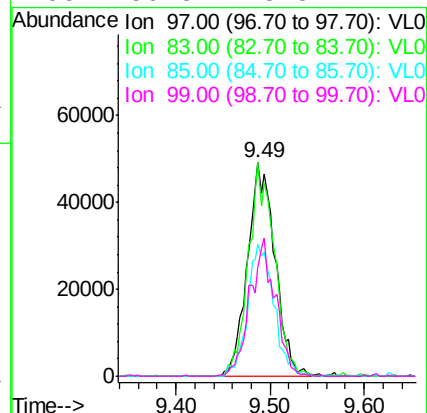
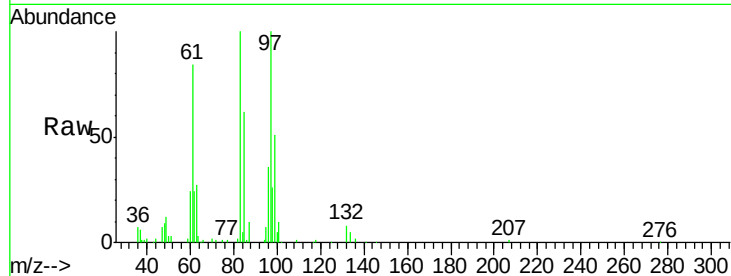
#47
 1,1,2-Trichloroethane
 Concen: 1.064 ppbv m
 RT: 9.49 min Scan# 2084
 Delta R.T. -0.01 min
 Lab File: VL034570.D
 Acq: 30 Jan 2020 13:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion:	97	Resp:	99952
Ion	Ratio	Lower	Upper
97	100		
83	100.1	75.0	112.4
85	61.9	48.2	72.4
99	50.8	48.5	72.7

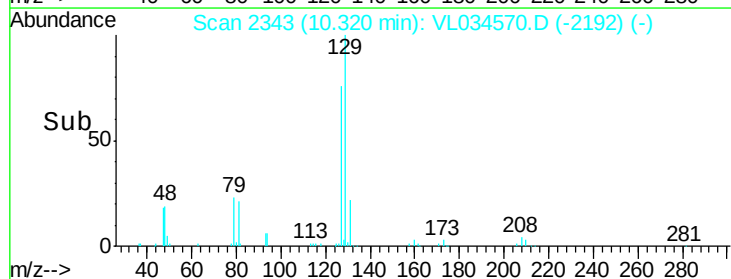
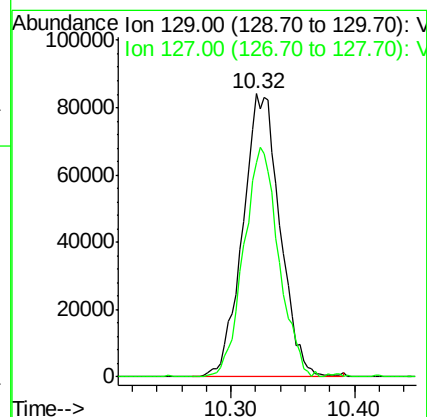
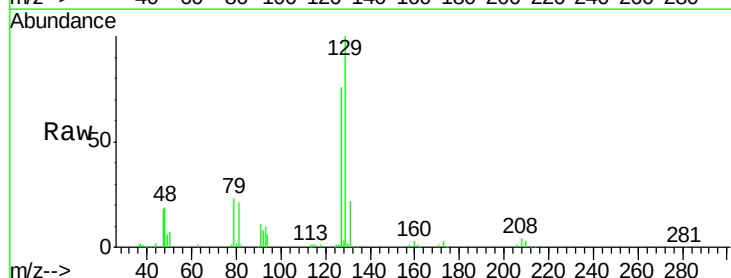
Manual Integrations
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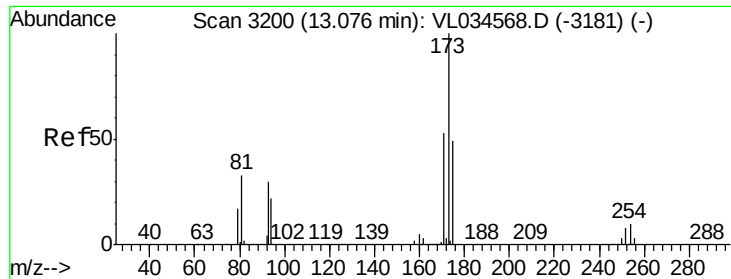
MMDadoda
 1/31/2020 4:23:55 PM



#48
 Dibromochloromethane
 Concen: 1.082 ppbv m
 RT: 10.32 min Scan# 2343
 Delta R.T. -0.01 min
 Lab File: VL034570.D
 Acq: 30 Jan 2020 13:23

Tgt Ion:	129	Resp:	176168
Ion	Ratio	Lower	Upper
129	100		
127	76.3	39.4	118.2





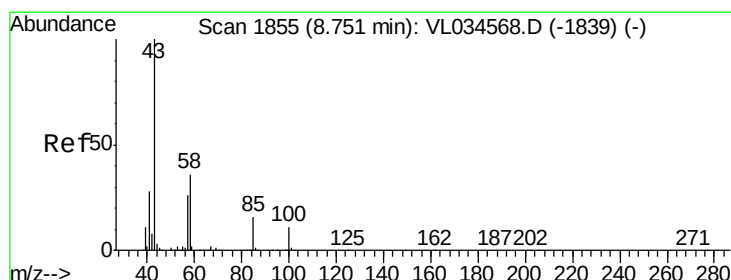
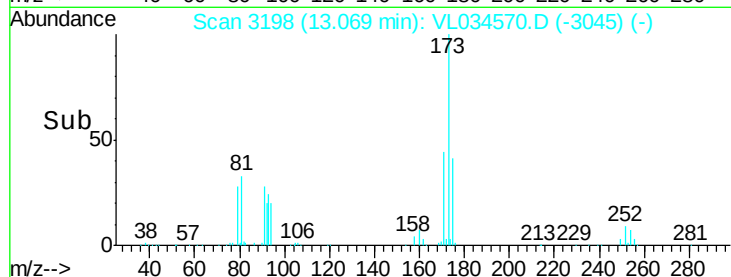
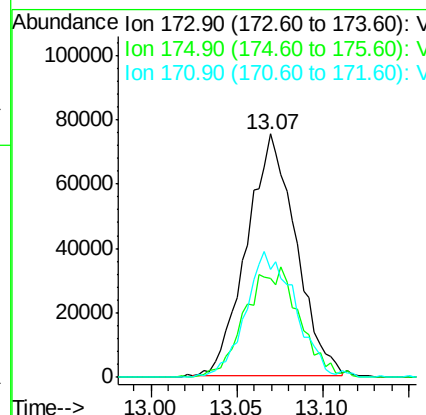
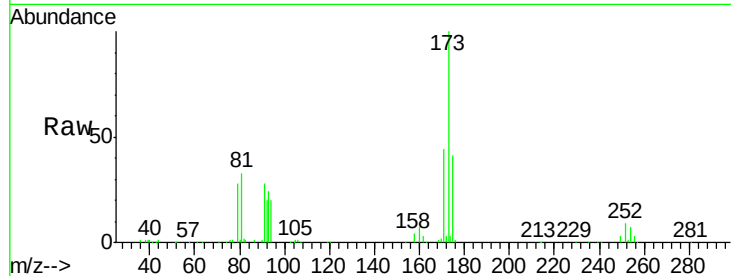
#49
Bromoform
Concen: 1.007 ppbv
RT: 13.07 min Scan# 3198
Delta R.T. -0.01 min
Lab File: VL034570.D
Acq: 30 Jan 2020 13:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.3	39.8	59.8
171	53.0	42.1	63.1

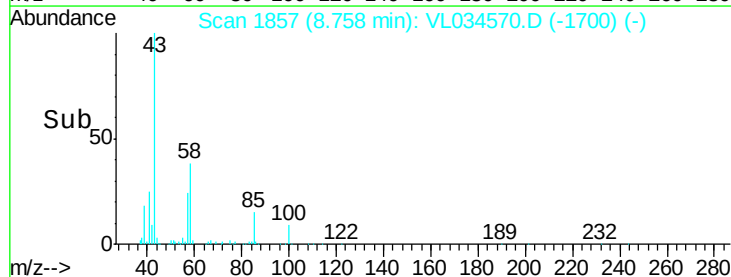
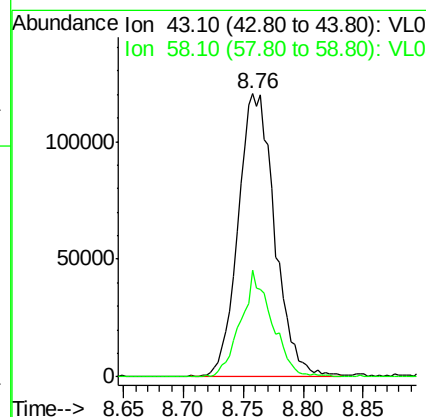
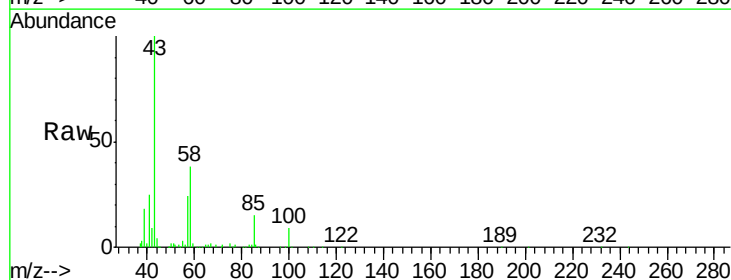
Manual Integrations
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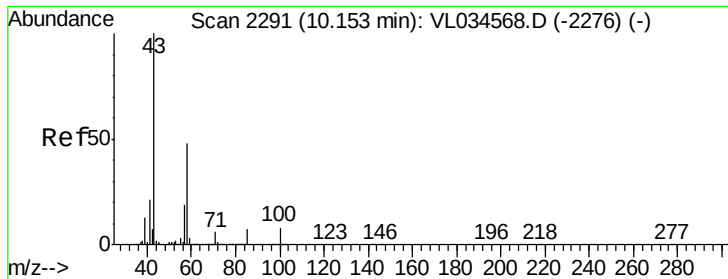
MMDadoda
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#50
4-Methyl-2-Pentanone
Concen: 1.038 ppbv m
RT: 8.76 min Scan# 1857
Delta R.T. 0.01 min
Lab File: VL034570.D
Acq: 30 Jan 2020 13:23

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.3	28.2	42.2





#51

2-Hexanone

Concen: 0.967 ppbv

RT: 10.16 min Scan# 2292

Delta R.T. 0.00 min

Lab File: VL034570.D

Acq: 30 Jan 2020 13:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 192557

Ion Ratio Lower Upper

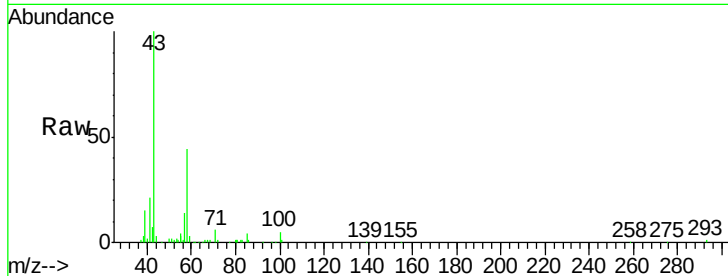
43 100

58 44.2 37.4 56.0

98 1.2 0.2 0.2#

Manual Integrations
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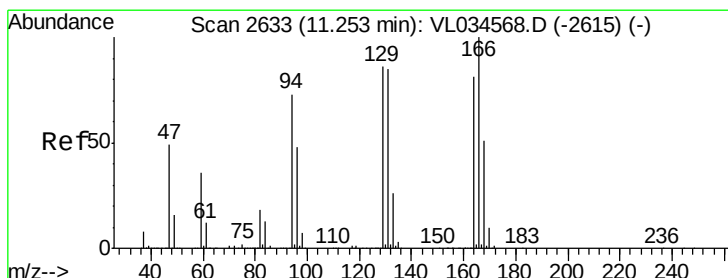
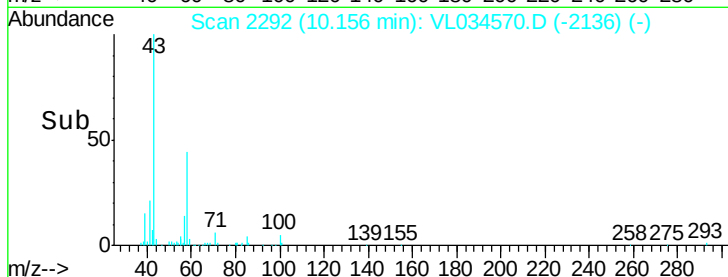
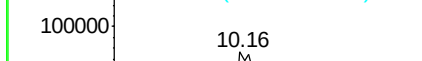
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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 1.026 ppbv

RT: 11.25 min Scan# 2631

Delta R.T. -0.01 min

Lab File: VL034570.D

Acq: 30 Jan 2020 13:23

Tgt Ion: 164 Resp: 82975

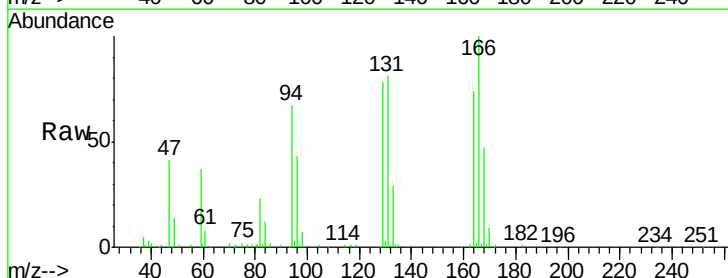
Ion Ratio Lower Upper

164 100

166 135.3 95.7 143.5

129 106.1 82.2 123.2

131 110.9 81.3 121.9

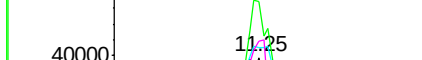
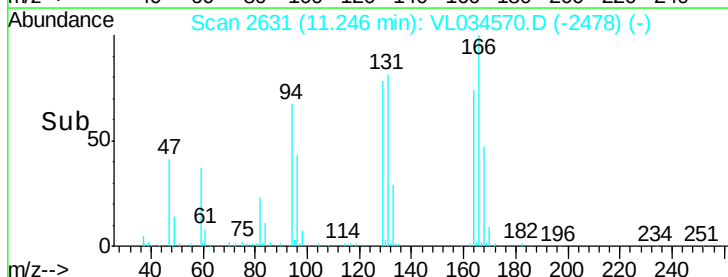


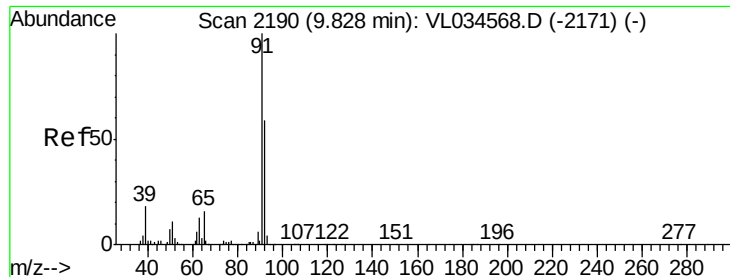
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 1.025 ppbv

RT: 9.83 min Scan# 2189

Delta R.T. -0.00 min

Lab File: VL034570.D

Acq: 30 Jan 2020 13:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 233499

Ion Ratio Lower Upper

91 100

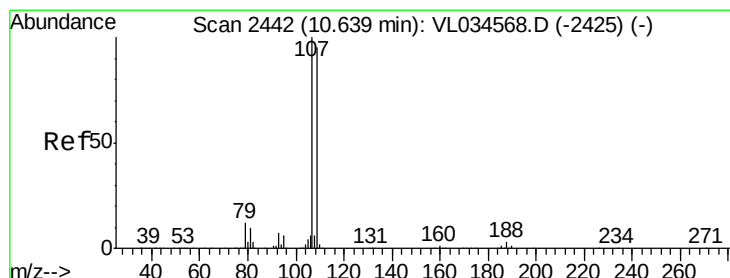
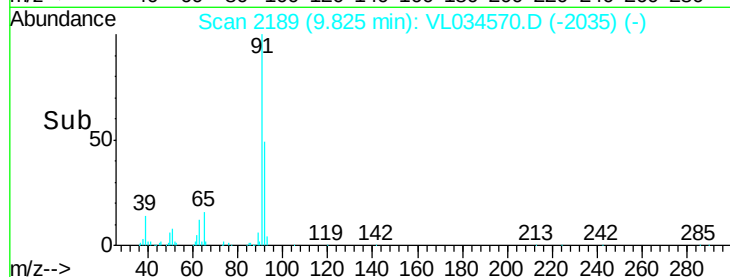
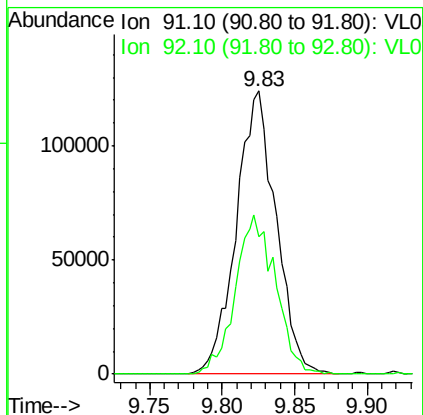
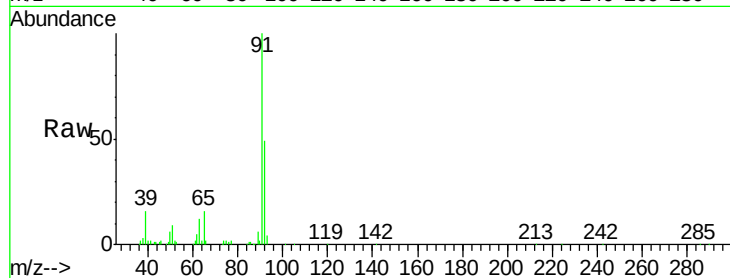
92 57.4 48.4 72.6

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 1.102 ppbv m

RT: 10.64 min Scan# 2441

Delta R.T. -0.00 min

Lab File: VL034570.D

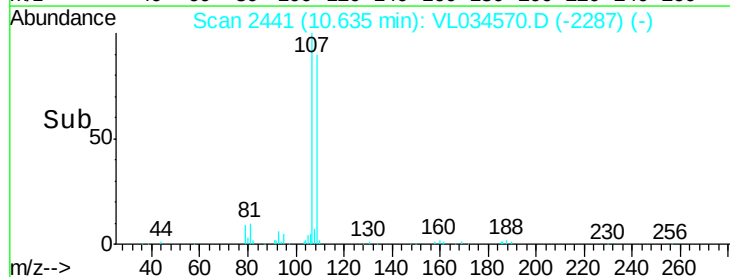
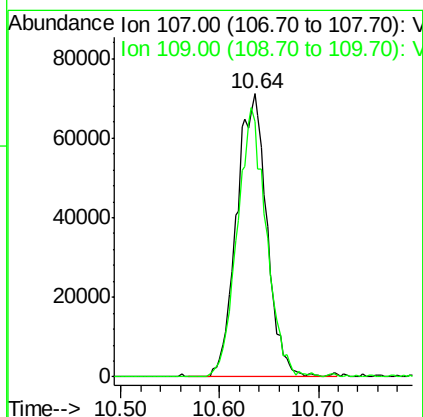
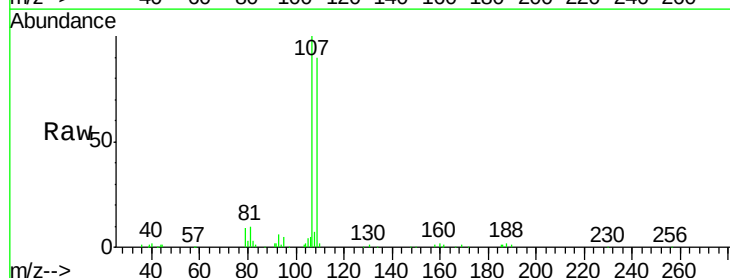
Acq: 30 Jan 2020 13:23

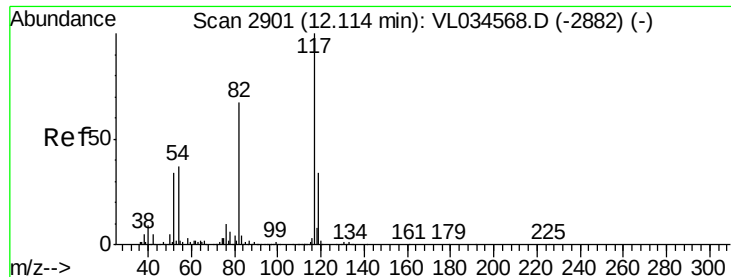
Tgt Ion: 107 Resp: 150591

Ion Ratio Lower Upper

107 100

109 90.2 75.5 113.3





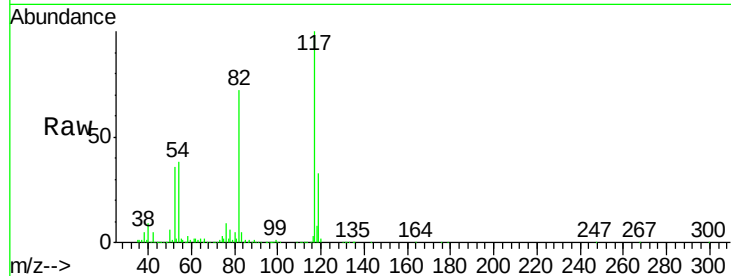
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2900
Delta R.T. -0.00 min
Lab File: VL034570.D
Acq: 30 Jan 2020 13:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

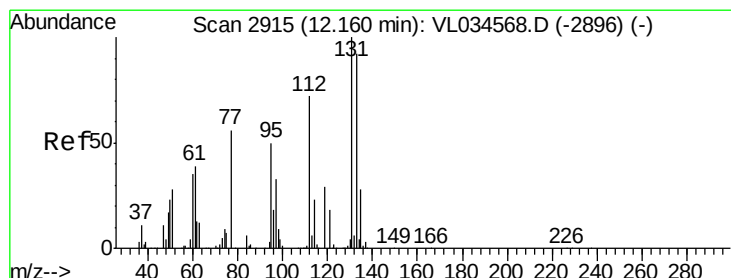
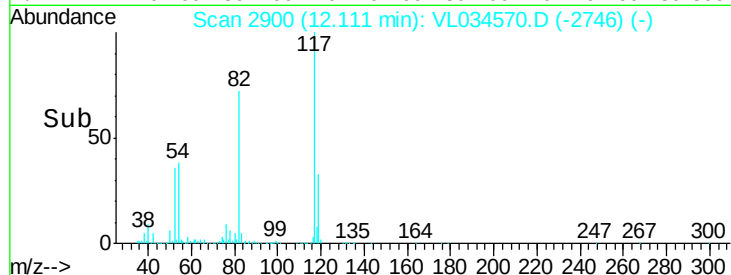
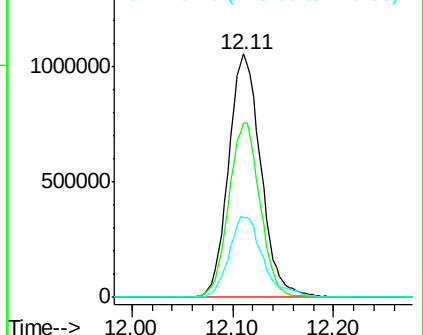
Tot Ion	Ratio	Lower	Upper
117	100		
82	69.4	56.2	84.4
119	34.9	27.1	40.7

Manual Integrations
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1/31/2020 4:23:55 PM

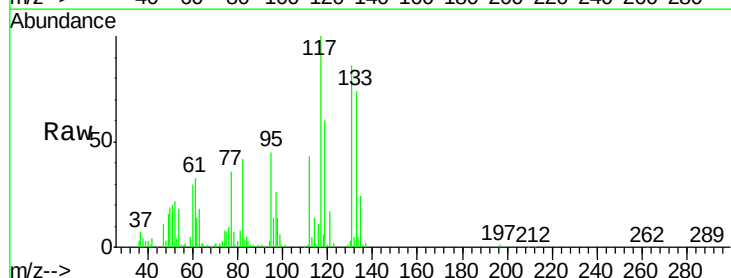


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): V
Ion 119.10 (118.80 to 119.80): V

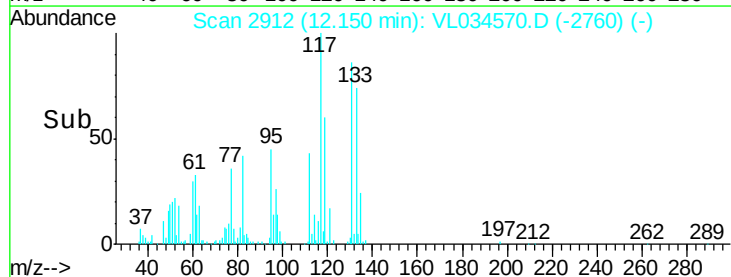
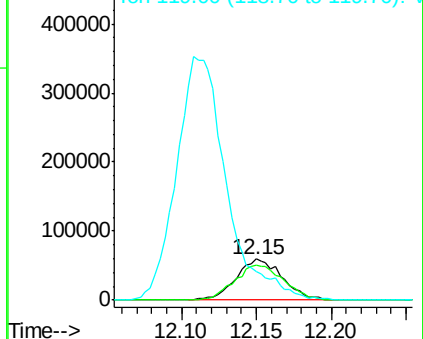


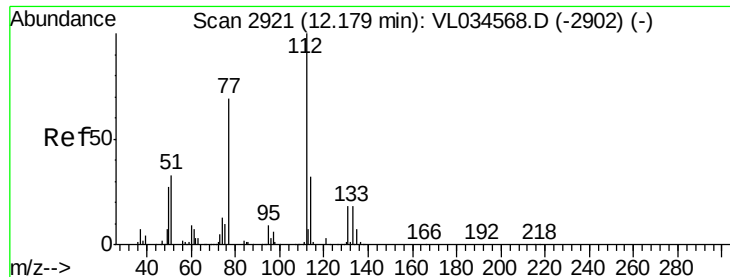
#56
1,1,1,2-Tetrachloroethane
Concen: 1.117 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. -0.01 min
Lab File: VL034570.D
Acq: 30 Jan 2020 13:23

Tgt Ion	Ratio	Lower	Upper
131	100		
133	92.2	76.2	114.2
119	648.0	47.1	70.7#



Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V





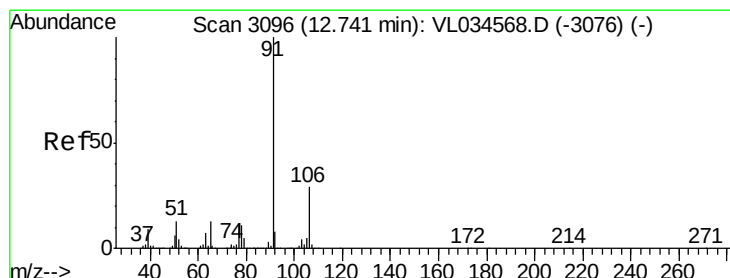
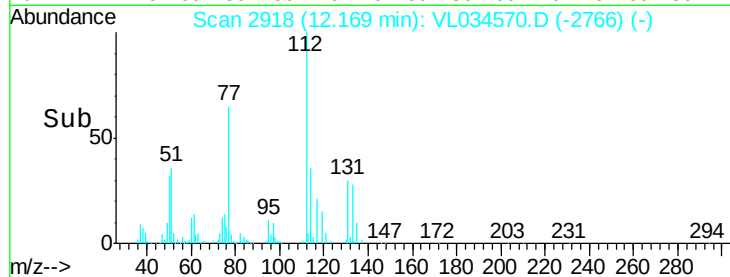
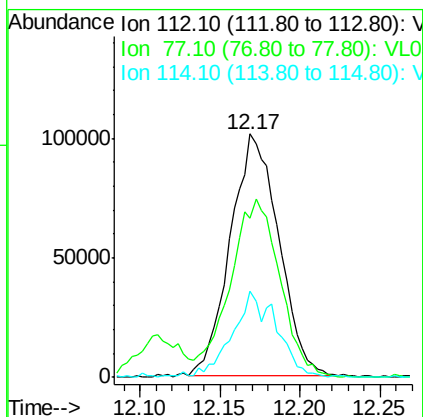
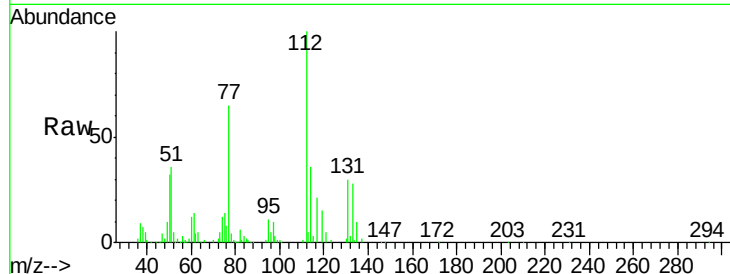
#57
Chlorobenzene
Concen: 1.076 ppbv
RT: 12.17 min Scan# 2918
Delta R.T. -0.01 min
Lab File: VL034570.D
Acq: 30 Jan 2020 13:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
112	100		
77	65.1	57.4	86.0
114	35.2	28.4	34.8

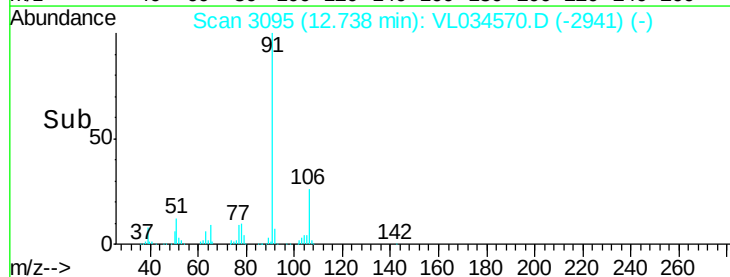
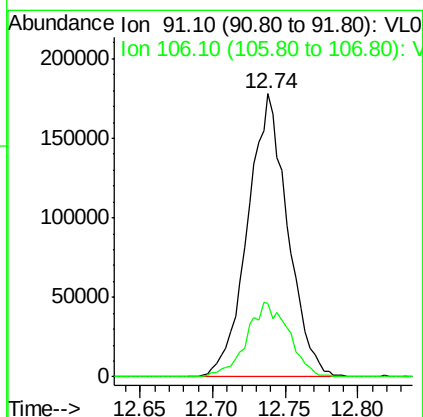
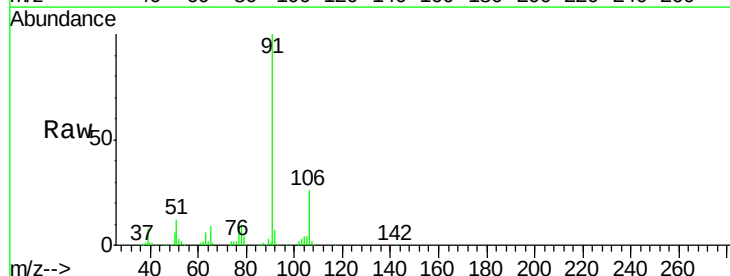
Manual Integrations
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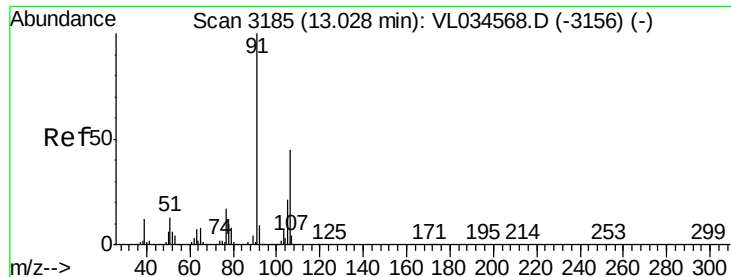
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#58
Ethyl Benzene
Concen: 1.076 ppbv
RT: 12.74 min Scan# 3095
Delta R.T. -0.00 min
Lab File: VL034570.D
Acq: 30 Jan 2020 13:23

Tgt Ion	Ratio	Lower	Upper
91	100		
106	26.0	24.6	36.8





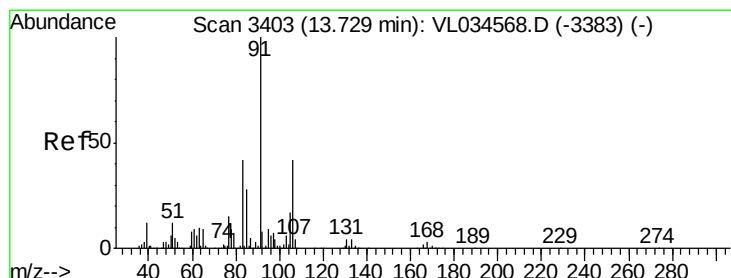
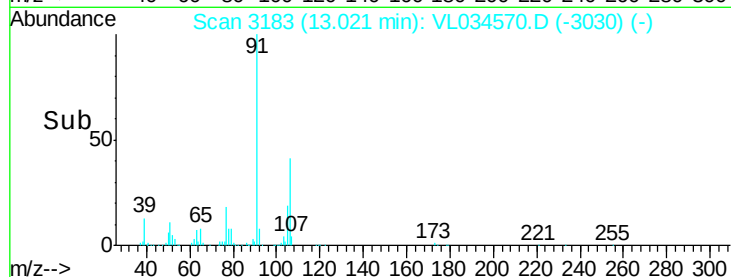
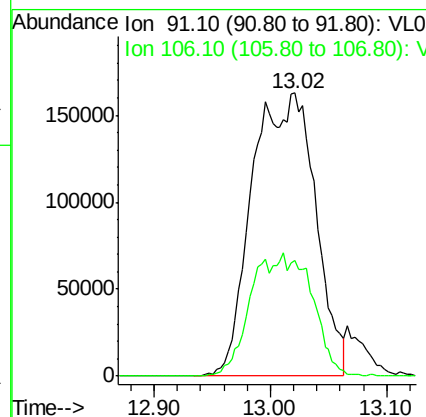
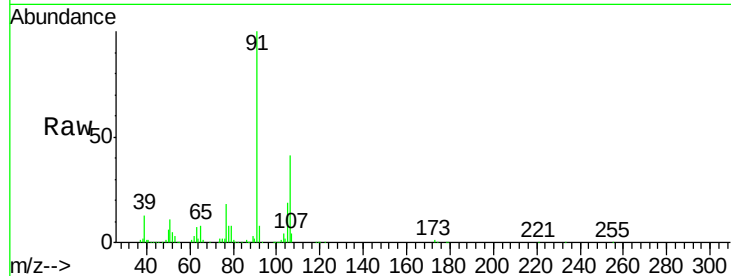
#59
m/p-Xylene
Concen: 2.208 ppbv m
RT: 13.02 min Scan# 3183
Delta R.T. -0.01 min
Lab File: VL034570.D
Acq: 30 Jan 2020 13:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion: 91 Resp: 612817
Ion Ratio Lower Upper
91 100
106 42.1 35.6 53.4

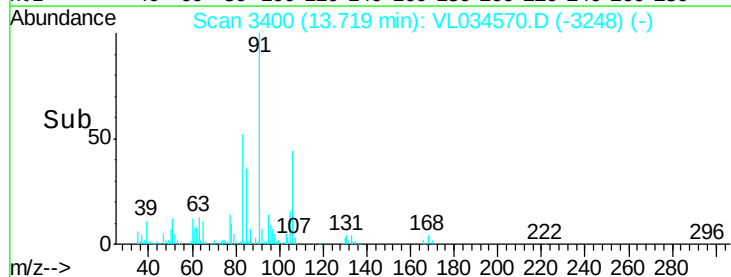
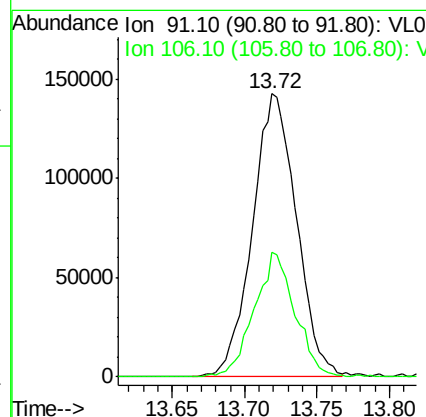
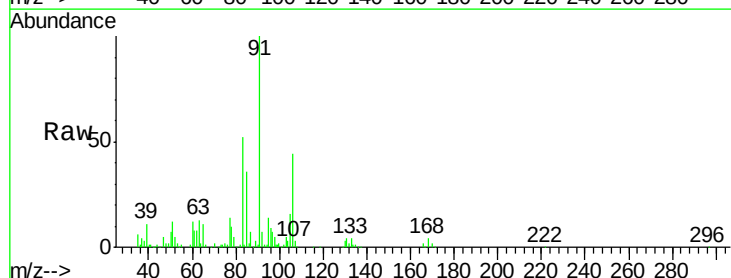
Manual Integrations
APPROVED

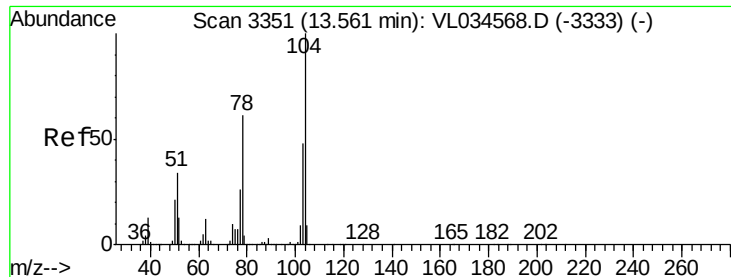
MMDadoda
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#60
o-Xylene
Concen: 1.082 ppbv
RT: 13.72 min Scan# 3400
Delta R.T. -0.01 min
Lab File: VL034570.D
Acq: 30 Jan 2020 13:23

Tgt Ion: 91 Resp: 301427
Ion Ratio Lower Upper
91 100
106 40.8 21.4 64.3





#61

Stvrene

Concen: 1.002 ppbv

RT: 13.56 min Scan# 3351

Delta R.T. -0.00 min

Lab File: VL034570.D

Acq: 30 Jan 2020 13:23

Instrument :

MSVOA_L

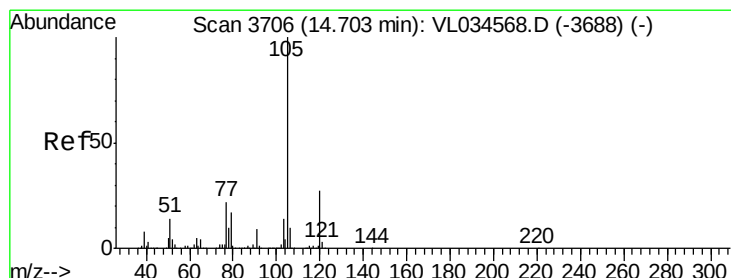
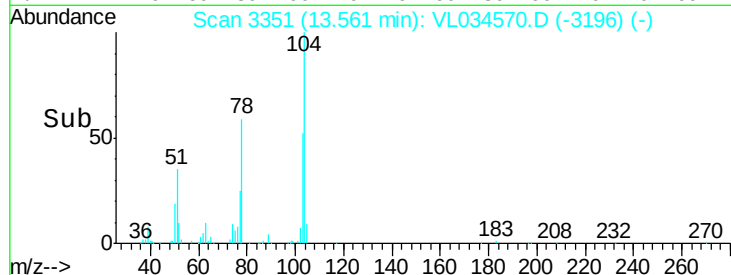
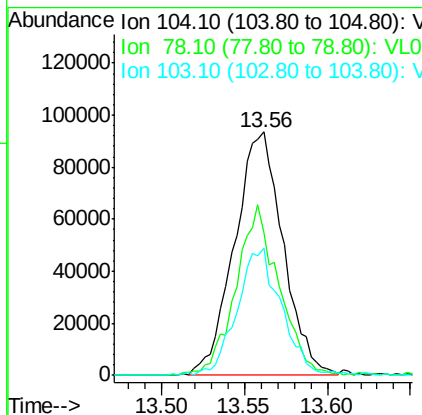
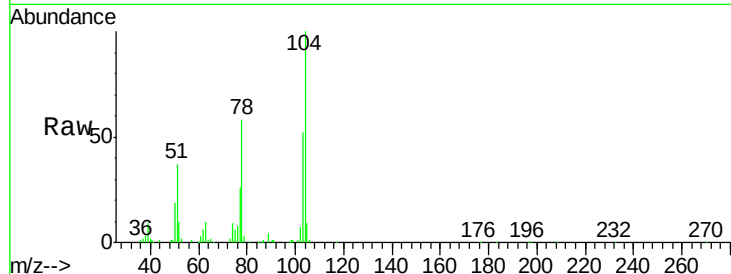
ClientSampleId :

VSTDIC001

Tot Ion:	104	Resp:	190709
Ion Ratio	Lower	Upper	
104	100		
78	62.4	47.7	71.5
103	48.1	38.6	58.0

Manual Integrations
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#62

Isopropylbenzene

Concen: 1.087 ppbv

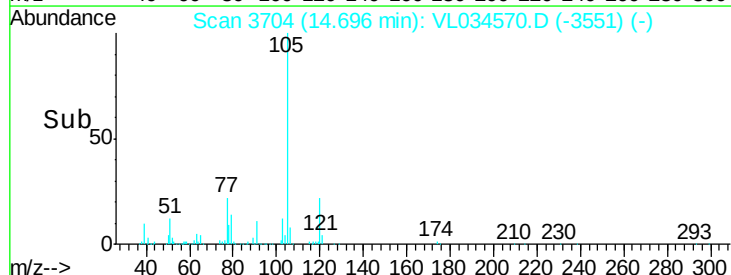
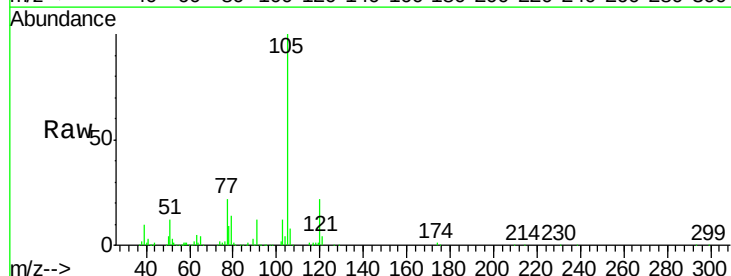
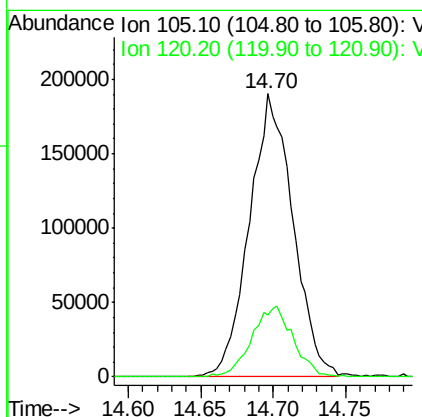
RT: 14.70 min Scan# 3704

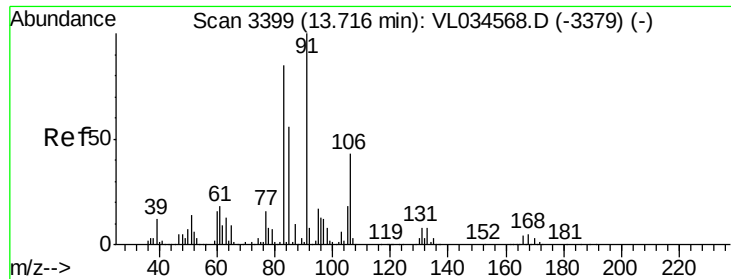
Delta R.T. -0.01 min

Lab File: VL034570.D

Acq: 30 Jan 2020 13:23

Tgt Ion:	105	Resp:	396067
Ion Ratio	Lower	Upper	
105	100		
120	23.9	20.6	30.8





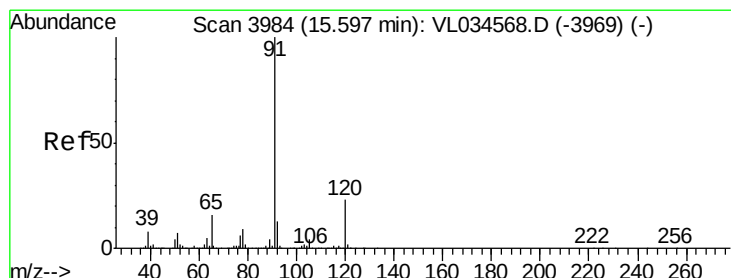
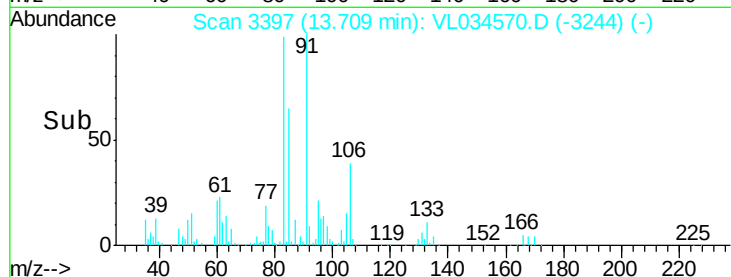
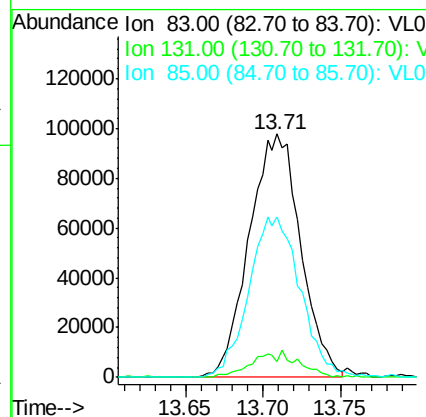
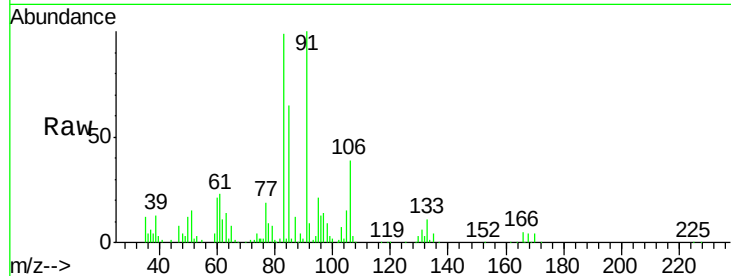
#63
 1,1,2,2-Tetrachloroethane
 Concen: 1.010 ppbv
 RT: 13.71 min Scan# 3397
 Delta R.T. -0.01 min
 Lab File: VL034570.D
 Acq: 30 Jan 2020 13:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	83	Resp	225589
Ion Ratio	100	Lower	Upper
83	100		
131	9.8	4.8	14.4
85	66.5	32.5	97.4

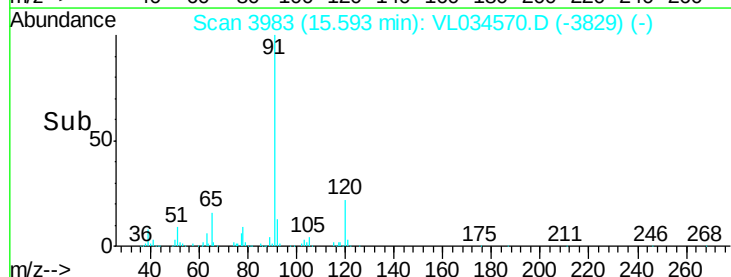
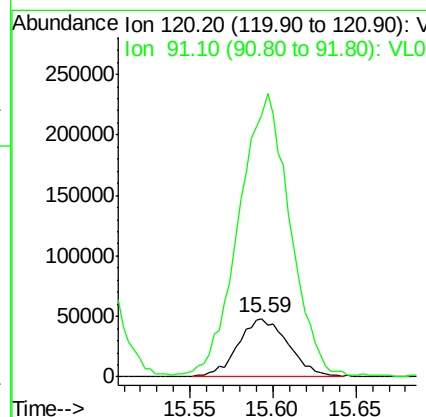
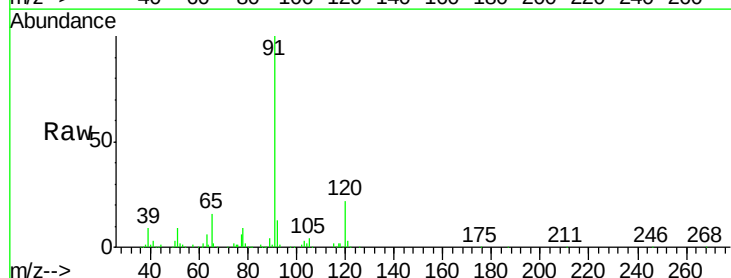
Manual Integrations
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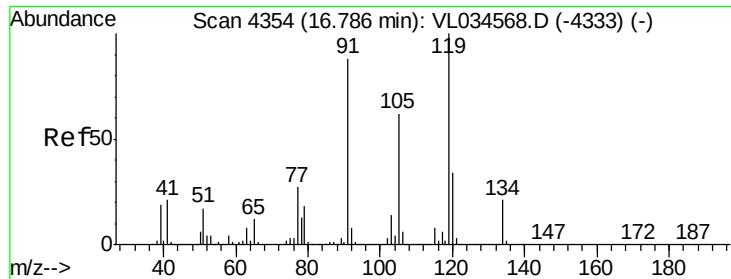
MMDadoda
 1/31/2020 4:23:55 PM



#64
 n-propylbenzene
 Concen: 1.092 ppbv
 RT: 15.59 min Scan# 3983
 Delta R.T. -0.00 min
 Lab File: VL034570.D
 Acq: 30 Jan 2020 13:23

Tgt Ion	120	Resp	101562
Ion Ratio	100	Lower	Upper
120	100		
91	498.9	375.6	563.4





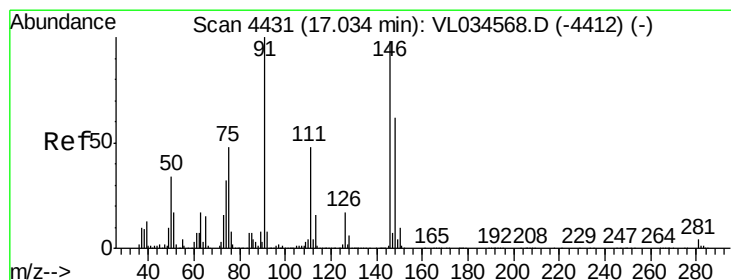
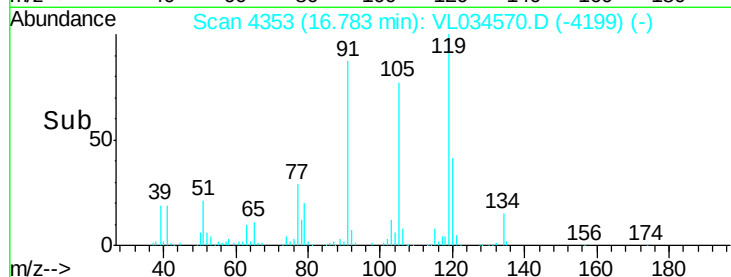
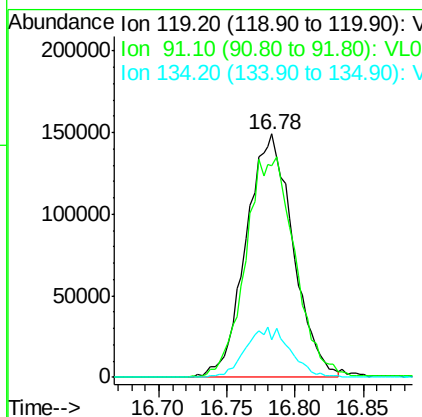
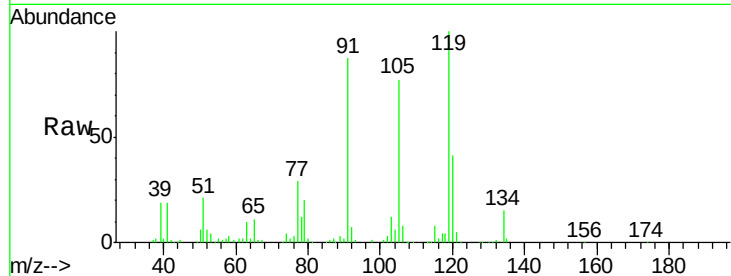
#65
 tert-Butylbenzene
 Concen: 1.078 ppbv
 RT: 16.78 min Scan# 4353
 Delta R.T. -0.00 min
 Lab File: VL034570.D
 Acq: 30 Jan 2020 13:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
119	100	354763		
91	96.1	72.0	108.0	
134	19.4	16.1	24.1	

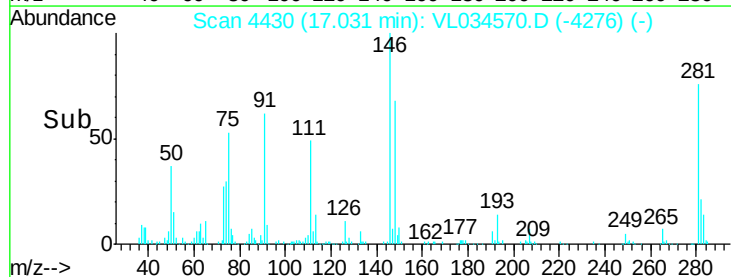
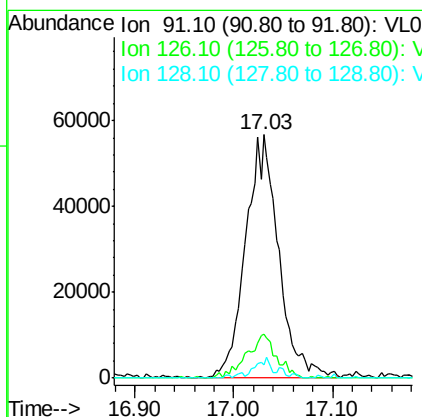
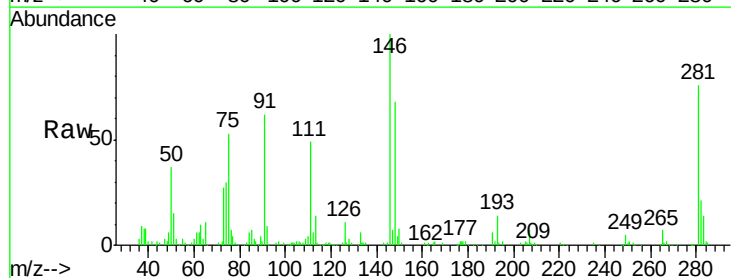
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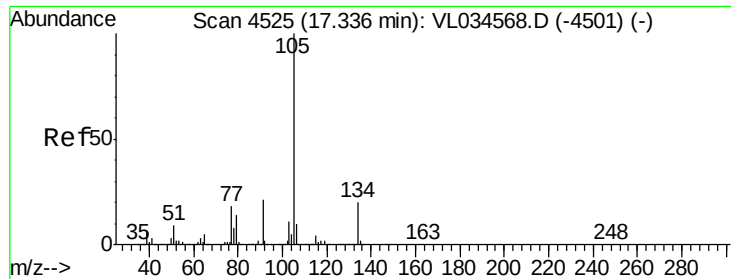
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#66
 Benzyl Chloride
 Concen: 0.919 ppbv m
 RT: 17.03 min Scan# 4430
 Delta R.T. -0.00 min
 Lab File: VL034570.D
 Acq: 30 Jan 2020 13:23

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	132604		
126	16.5	13.1	19.7	
128	5.6	4.2	6.4	





#67

sec-Butylbenzene

Concen: 1.072 ppbv

RT: 17.33 min Scan# 4523

Delta R.T. -0.01 min

Lab File: VL034570.D

Acq: 30 Jan 2020 13:23

Instrument :

MSVOA_L

ClientSampled :

VSTDIC001

Tot Ion: 105 Resp: 495612

Ion Ratio Lower Upper

105 100

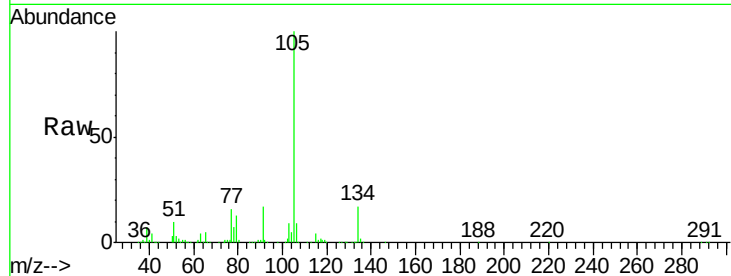
134 18.5 15.1 22.7

Manual Integrations

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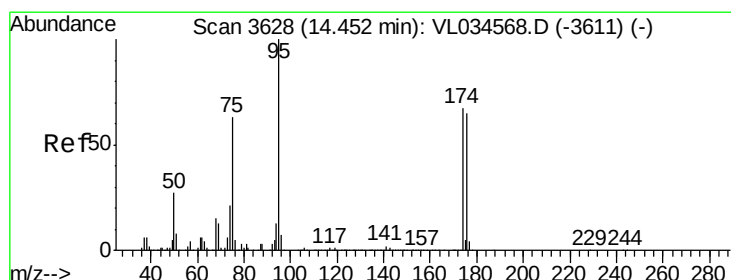
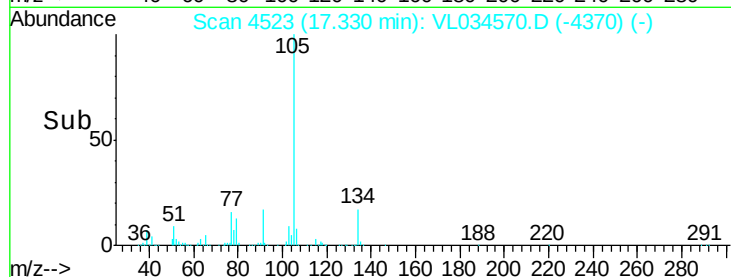
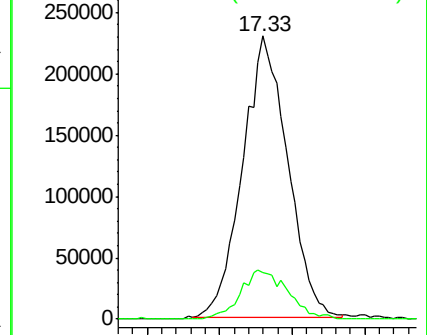
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.321 ppbv

RT: 14.45 min Scan# 3626

Delta R.T. -0.01 min

Lab File: VL034570.D

Acq: 30 Jan 2020 13:23

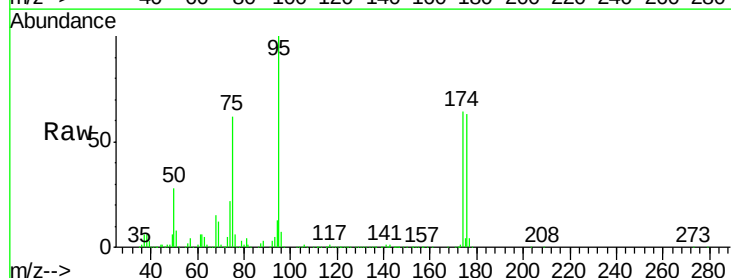
Tgt Ion: 95 Resp: 2026639

Ion Ratio Lower Upper

95 100

174 64.3 52.4 78.6

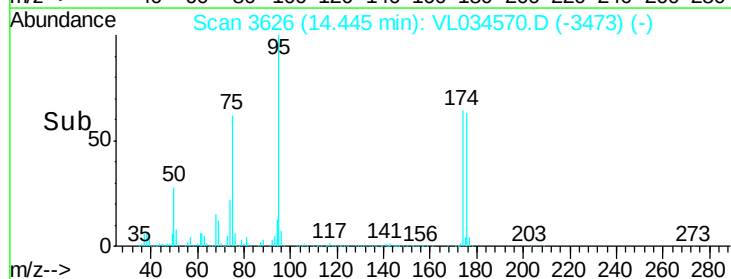
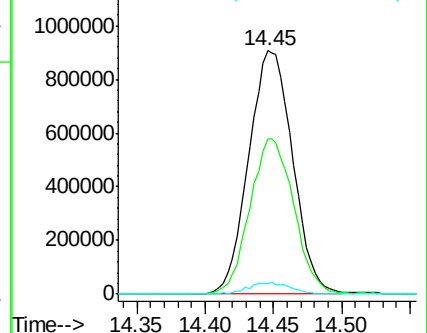
175 4.6 3.9 5.9

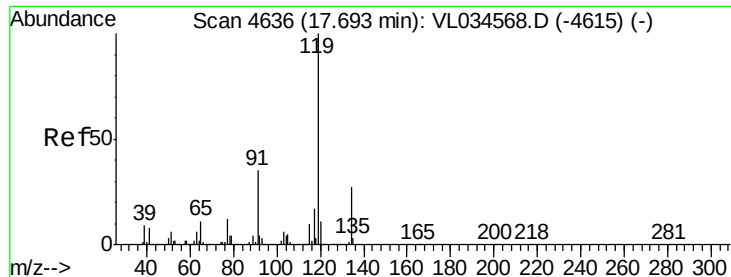


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





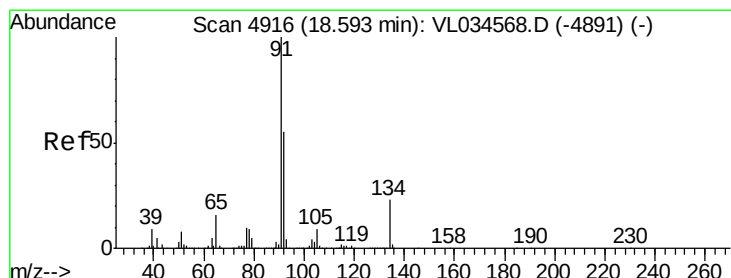
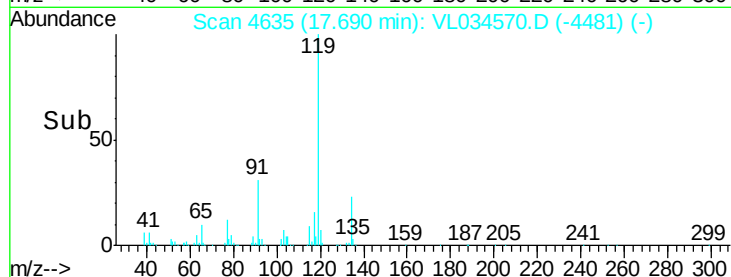
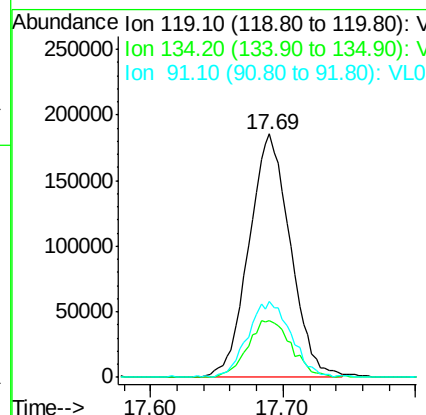
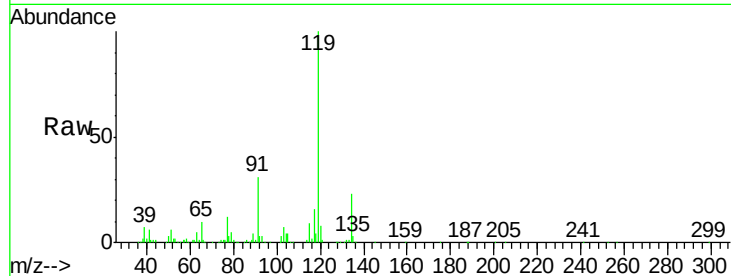
#69
 p-Isopropyltoluene
 Concen: 1.074 ppbv
 RT: 17.69 min Scan# 4635
 Delta R.T. -0.00 min
 Lab File: VL034570.D
 Acq: 30 Jan 2020 13:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion:	119	Resp:	402467
Ion Ratio	Lower	Upper	
119	100		
134	24.9	20.7	31.1
91	33.0	26.6	39.8

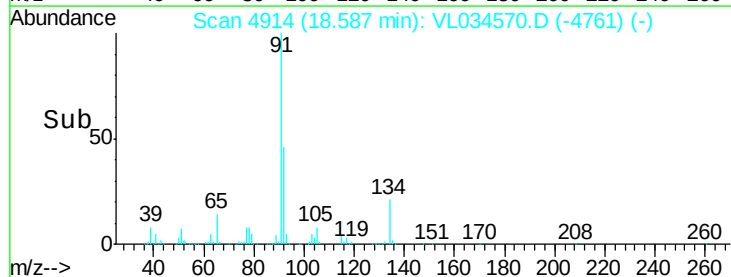
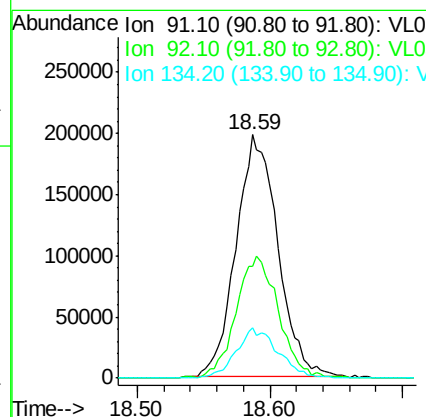
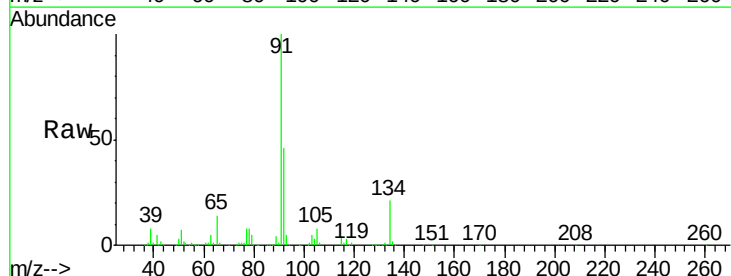
Manual Integrations
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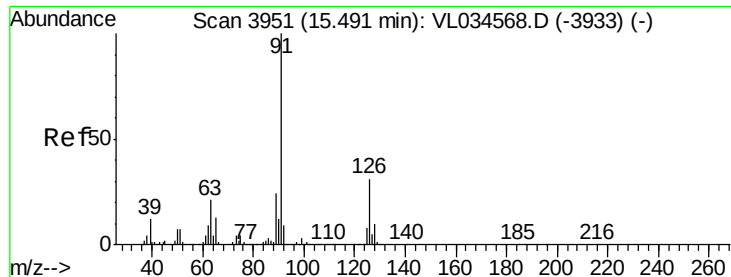
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#70
 n-Butylbenzene
 Concen: 1.070 ppbv
 RT: 18.59 min Scan# 4914
 Delta R.T. -0.01 min
 Lab File: VL034570.D
 Acq: 30 Jan 2020 13:23

Tgt Ion:	91	Resp:	432808
Ion Ratio	Lower	Upper	
91	100		
92	51.6	43.8	65.6
134	20.7	18.0	27.0





#71

2-Chlorotoluene

Concen: 1.049 ppbv

RT: 15.48 min Scan# 3949

Delta R.T. -0.01 min

Lab File: VL034570.D

Acq: 30 Jan 2020 13:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 296678

Ion Ratio Lower Upper

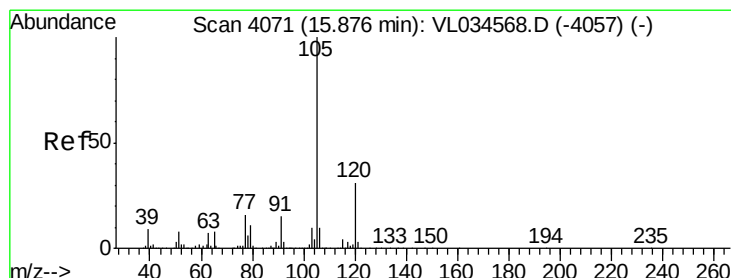
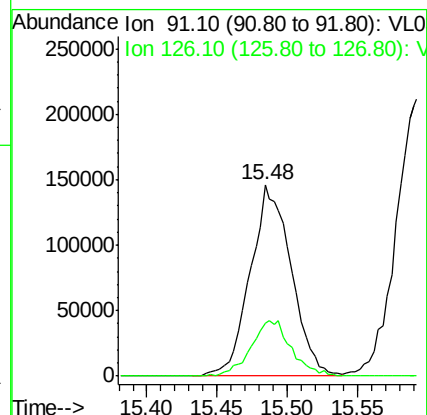
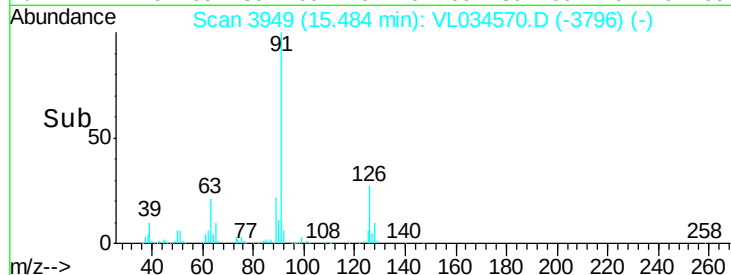
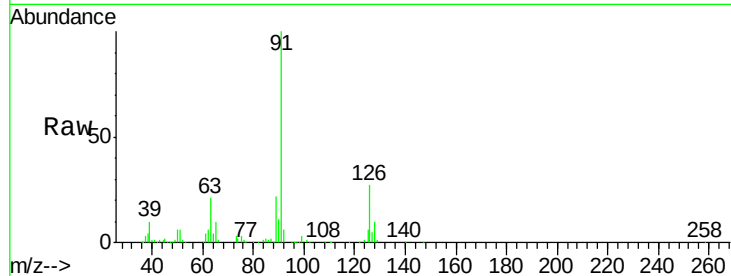
91 100

126 28.7 12.0 47.8

Manual Integrations
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#72

4-Ethyltoluene

Concen: 1.041 ppbv

RT: 15.87 min Scan# 4069

Delta R.T. -0.01 min

Lab File: VL034570.D

Acq: 30 Jan 2020 13:23

Tgt Ion: 105 Resp: 324509

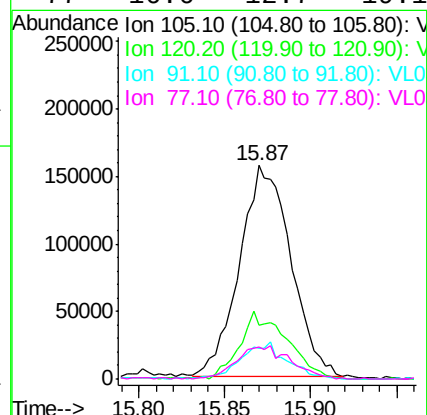
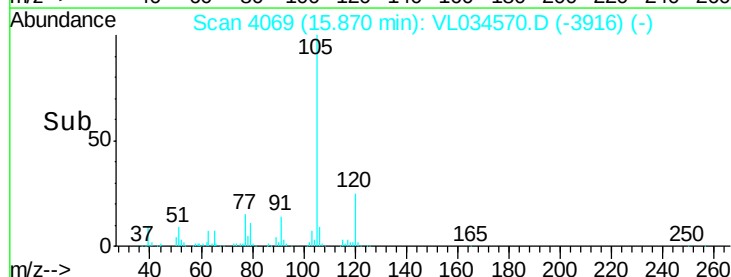
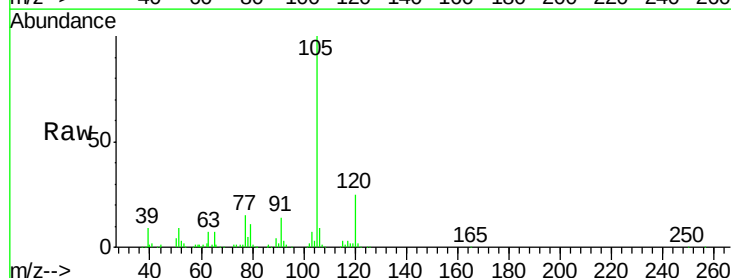
Ion Ratio Lower Upper

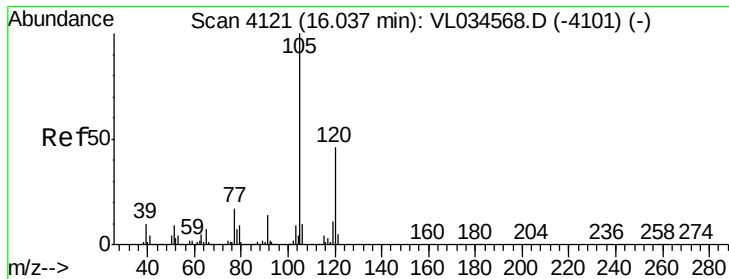
105 100

120 29.6 23.7 35.5

91 15.5 11.5 17.3

77 16.6 12.7 19.1





#73

1,3,5-Trimethylbenzene

Concen: 1.047 ppbv

RT: 16.03 min Scan# 4120

Delta R.T. -0.00 min

Lab File: VL034570.D

Acq: 30 Jan 2020 13:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 320208

Ion Ratio Lower Upper

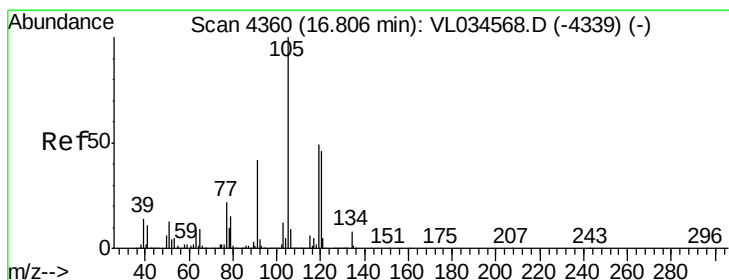
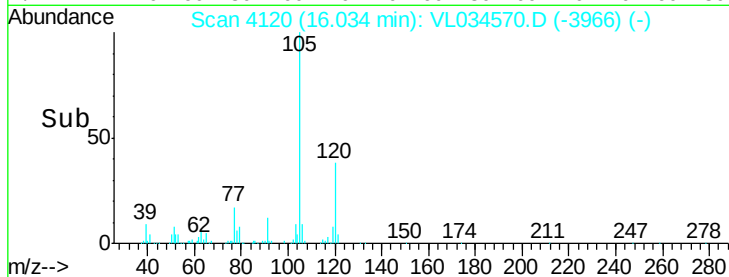
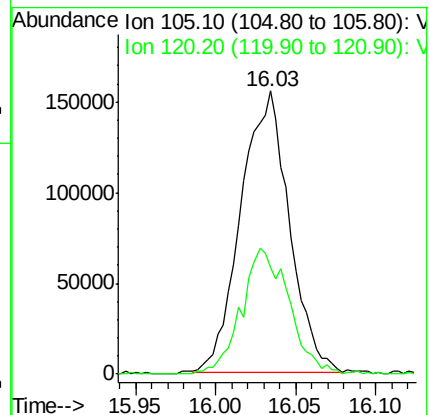
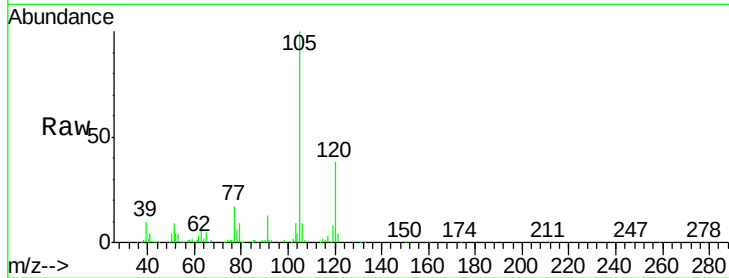
105 100

120 37.9 34.6 52.0

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#74

1,2,4-Trimethylbenzene

Concen: 1.127 ppbv

RT: 16.80 min Scan# 4358

Delta R.T. -0.01 min

Lab File: VL034570.D

Acq: 30 Jan 2020 13:23

Tgt Ion:105 Resp: 368551

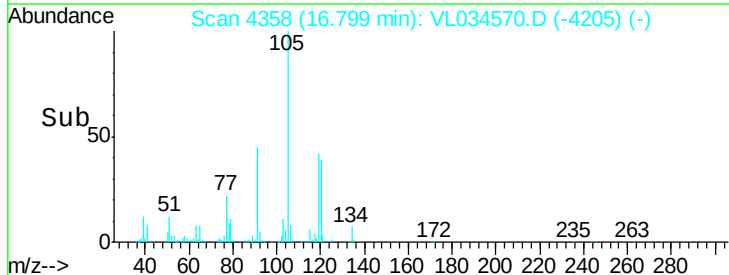
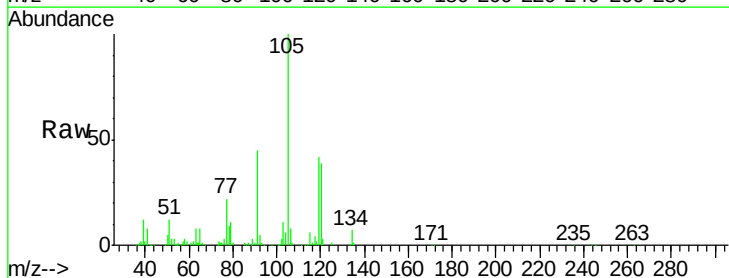
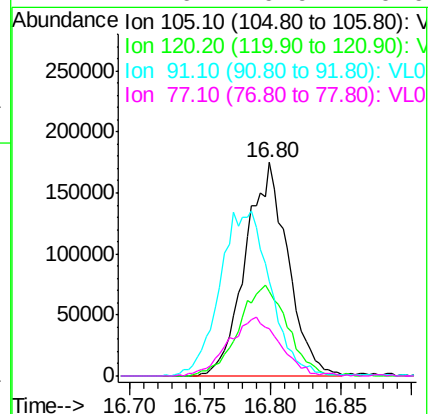
Ion Ratio Lower Upper

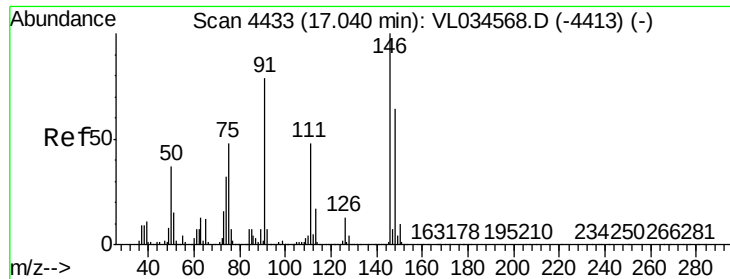
105 100

120 38.7 36.7 55.1

91 43.9 44.0 66.0#

77 21.6 19.9 29.9





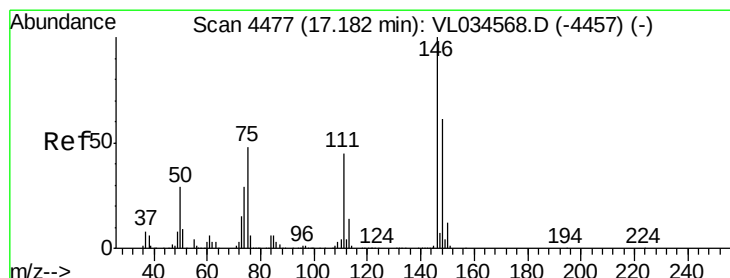
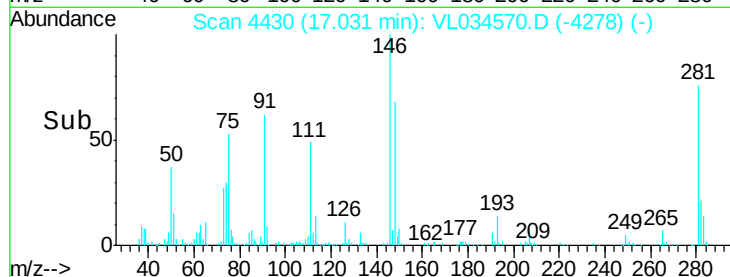
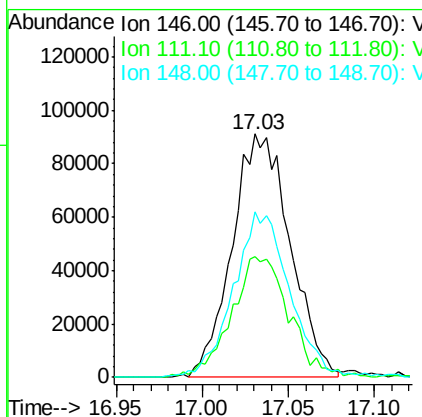
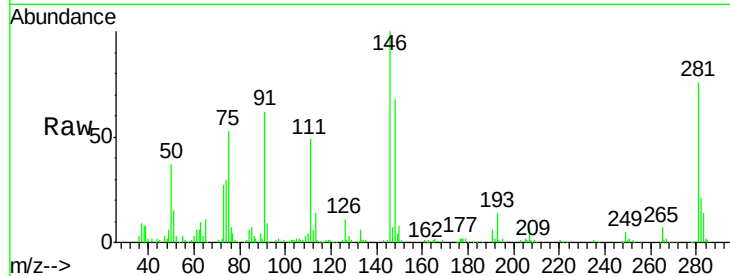
#75
 1,3-Dichlorobenzene
 Concen: 1.091 ppbv
 RT: 17.03 min Scan# 4430
 Delta R.T. -0.01 min
 Lab File: VL034570.D
 Acq: 30 Jan 2020 13:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	49.6	25.1	75.3
148	66.5	33.0	99.0

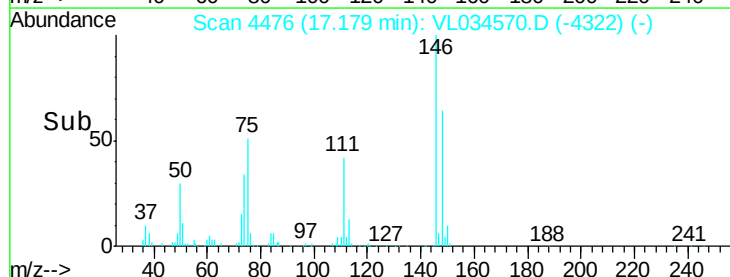
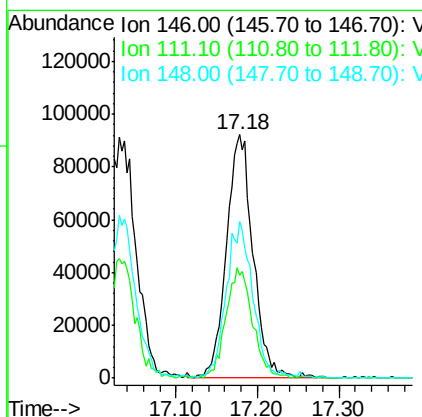
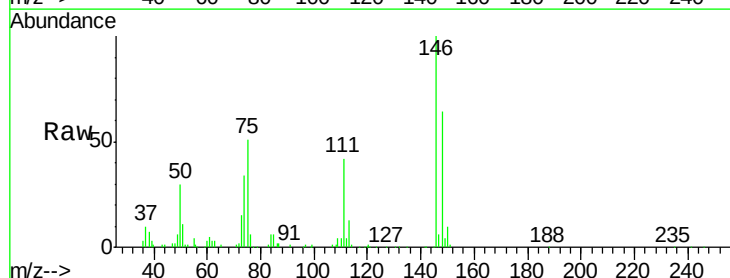
Manual Integrations
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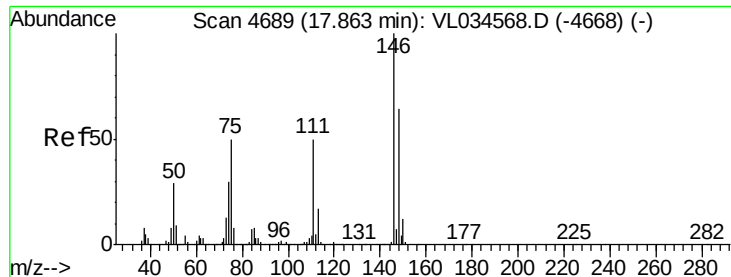
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#76
 1,4-Dichlorobenzene
 Concen: 1.115 ppbv m
 RT: 17.18 min Scan# 4476
 Delta R.T. -0.00 min
 Lab File: VL034570.D
 Acq: 30 Jan 2020 13:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.9	23.5	70.6
148	64.7	32.1	96.3





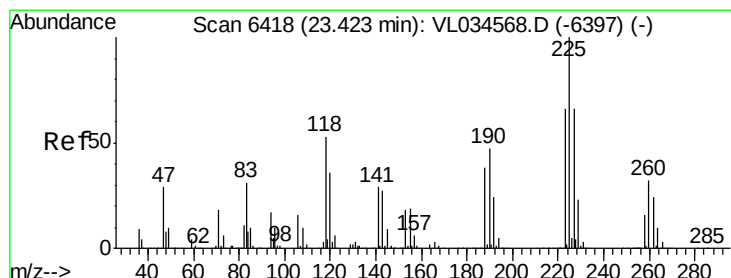
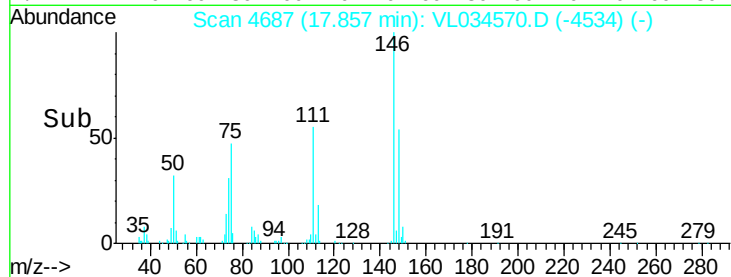
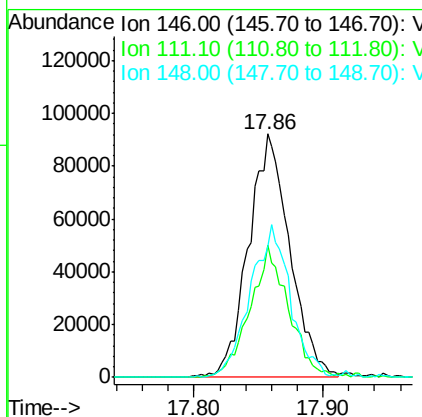
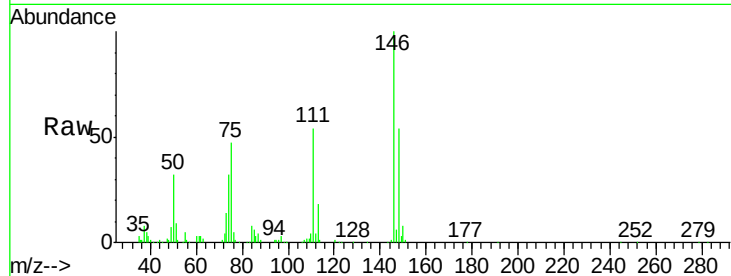
#77
 1,2-Dichlorobenzene
 Concen: 1.117 ppbv
 RT: 17.86 min Scan# 4687
 Delta R.T. -0.01 min
 Lab File: VL034570.D
 Acq: 30 Jan 2020 13:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	51.1	25.3	75.8
148	61.9	32.1	96.3

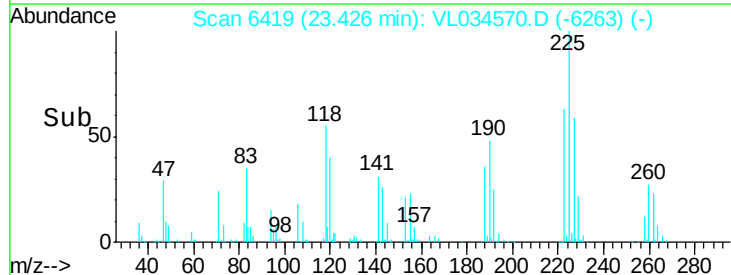
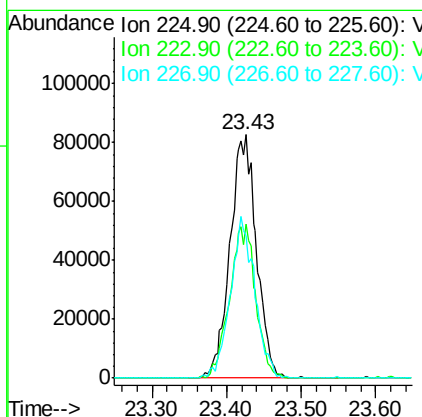
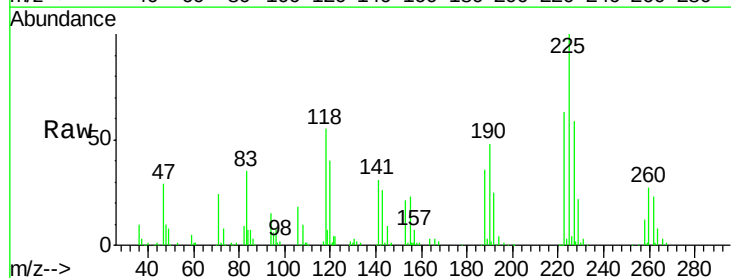
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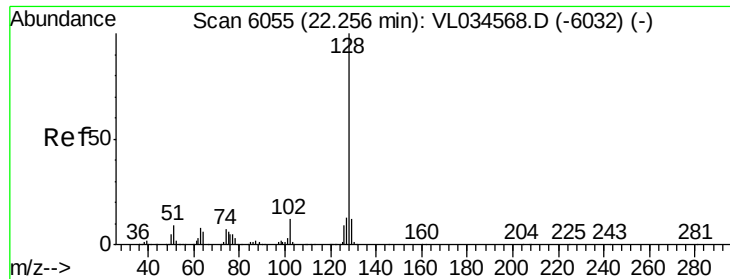
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#78
 Hexachloro-1,3-Butadiene
 Concen: 1.165 ppbv
 RT: 23.43 min Scan# 6419
 Delta R.T. 0.00 min
 Lab File: VL034570.D
 Acq: 30 Jan 2020 13:23

Tgt Ion	Ratio	Lower	Upper
225	100		
223	0.0	51.0	76.6#
227	61.5	51.8	77.6





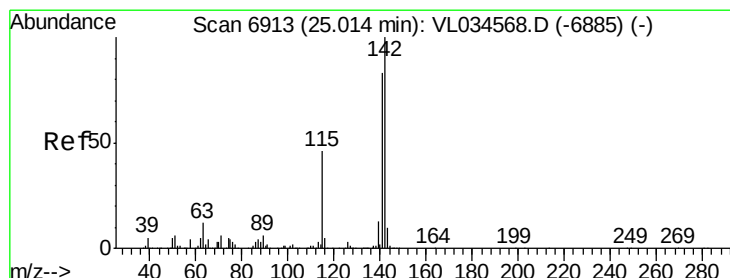
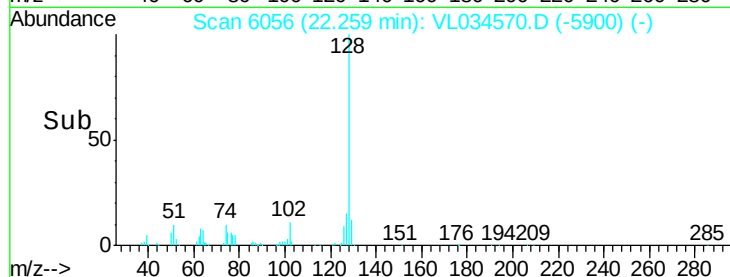
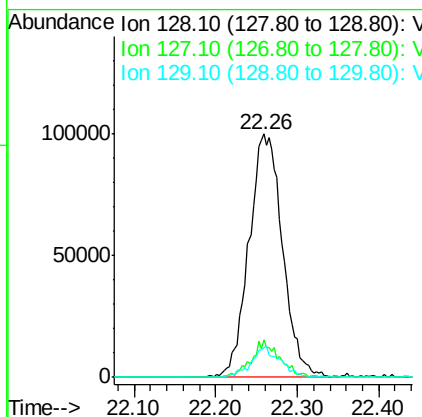
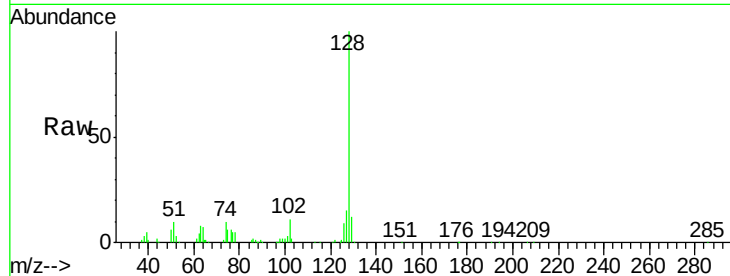
#79
Naphthalene
Concen: 1.161 ppbv m
RT: 22.26 min Scan# 6056
Delta R.T. 0.00 min
Lab File: VL034570.D
Acq: 30 Jan 2020 13:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
128	100		
127	15.4	10.6	15.8
129	12.2	8.7	13.1

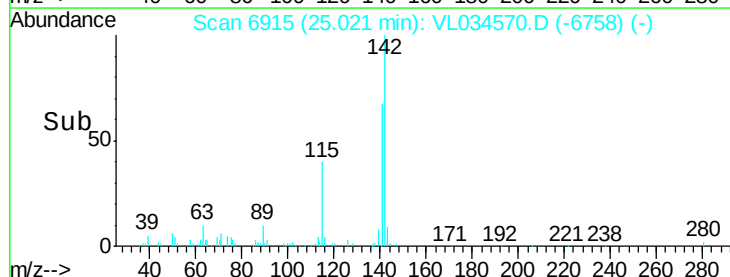
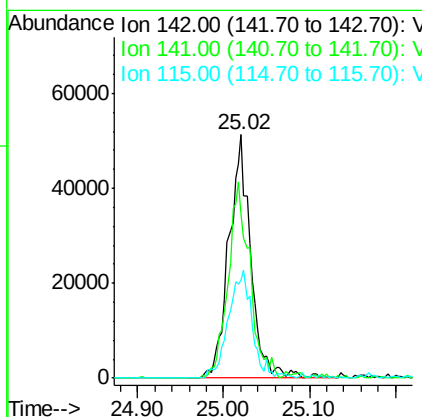
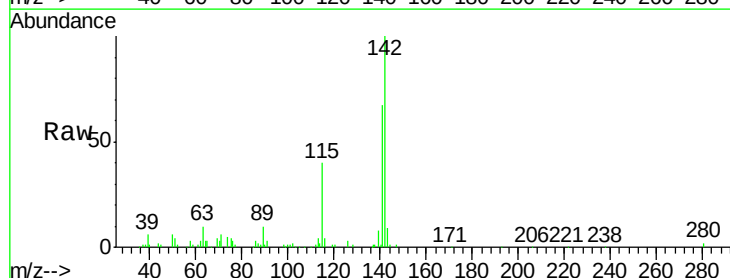
Manual Integrations
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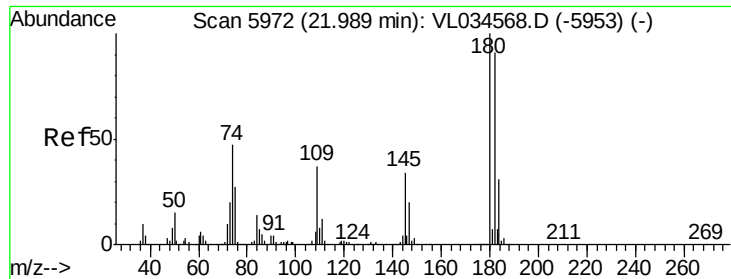
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#80
Naphthalene, 2-methyl-
Concen: 1.326 ppbv
RT: 25.02 min Scan# 6915
Delta R.T. 0.01 min
Lab File: VL034570.D
Acq: 30 Jan 2020 13:23

Tgt Ion	Ratio	Lower	Upper
142	100		
141	81.0	65.8	98.8
115	48.1	30.4	45.6





#81
 1,2,4-Trichlorobenzene
 Concen: 1.084 ppbv
 RT: 22.00 min Scan# 5974
 Delta R.T. 0.01 min
 Lab File: VL034570.D
 Acq: 30 Jan 2020 13:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion:	180	Resp:	173807
Ion Ratio	Lower	Upper	
180	100		
182	101.1	77.8	116.8
184	30.9	25.2	37.8

Manual Integrations
 APPROVED

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