

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011320\
 Data File : VN059691.D
 Acq On : 13 Jan 2020 15:16
 Operator : JC/SP
 Sample : VSTDIC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 1/14/2020 10:59:55 AM

Quant Time: Jan 14 08:49:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 14 08:36:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	199163	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	310771	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	283796	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	143052	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	218962	75.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	151.10%	
35) Dibromofluoromethane	7.57	113	184650	94.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	189.92%	
50) Toluene-d8	10.08	98	714664	92.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	185.66%	
62) 4-Bromofluorobenzene	12.40	95	263668	93.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	187.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	251303	97.647	ug/l	99
3) Chloromethane	2.04	50	239319	58.598	ug/l	99
4) Vinyl Chloride	2.17	62	293553	75.797	ug/l	98
5) Bromomethane	2.52	94	165669	73.583	ug/l	98
6) Chloroethane	2.67	64	135682	62.335	ug/l	100
7) Trichlorofluoromethane	3.00	101	336501	79.190	ug/l	99
8) Diethyl Ether	3.38	74	117453	88.464	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	3.73	101	189979	88.717	ug/l	93
10) Methyl Iodide	3.93	142	313241	110.494	ug/l	95
11) Tert butyl alcohol	4.73	59	195410	367.783	ug/l	100
12) 1,1-Dichloroethene	3.71	96	190997	91.432	ug/l	90
13) Acrolein	3.58	56	132322	349.618	ug/l	96
14) Allyl chloride	4.29	41	266043	62.039	ug/l #	88
15) Acrylonitrile	4.94	53	467600	363.837	ug/l	100
16) Acetone	3.78	43	394763	229.428	ug/l	96
17) Carbon Disulfide	4.03	76	544884	75.963	ug/l	100
18) Methyl Acetate	4.29	43	273005	75.720	ug/l	92
19) Methyl tert-butyl Ether	5.00	73	628415	85.201	ug/l	95
20) Methylene Chloride	4.52	84	210934	84.883	ug/l	88
21) trans-1,2-Dichloroethene	5.01	96	203506	87.388	ug/l	89
22) Diisopropyl ether	5.91	45	601530	76.086	ug/l	97
23) Vinyl Acetate	5.86	43	2334780	376.316	ug/l	95
24) 1,1-Dichloroethane	5.82	63	354847	79.235	ug/l	97
25) 2-Butanone	6.80	43	634916	308.579	ug/l	93
26) 2,2-Dichloropropane	6.80	77	335304	82.379	ug/l	96
27) cis-1,2-Dichloroethene	6.80	96	232948	90.273	ug/l	89
28) Bromochloromethane	7.17	49	139087	90.568	ug/l #	77
29) Tetrahydrofuran	7.18	42	408207	325.619	ug/l	89
30) Chloroform	7.35	83	372005	84.389	ug/l	99
31) Cyclohexane	7.63	56	323831	76.528	ug/l	92
32) 1,1,1-Trichloroethane	7.55	97	346930	87.295	ug/l	96
36) 1,1-Dichloropropene	7.77	75	284695	87.845	ug/l	95
37) Ethyl Acetate	6.90	43	265873	70.584	ug/l	97
38) Carbon Tetrachloride	7.75	117	312520	92.929	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	352612	95.920	ug/l	92
40) Benzene	8.02	78	835891	88.257	ug/l	100
41) Methacrylonitrile	7.16	41	150545m	96.842	ug/l	
42) 1,2-Dichloroethane	8.10	62	288889	79.648	ug/l	96
43) Isopropyl Acetate	8.14	43	458148	78.231	ug/l #	95
44) Trichloroethene	8.82	130	239463	96.527	ug/l	92
45) 1,2-Dichloropropane	9.10	63	211604	82.737	ug/l	100
46) Dibromomethane	9.19	93	149293	89.099	ug/l	91
47) Bromodichloromethane	9.39	83	303904	90.970	ug/l	98
48) Methyl methacrylate	9.18	41	212894	80.126	ug/l	92
49) 1,4-Dioxane	9.18	88	78504	2061.745	ug/l	89
51) 4-Methyl-2-Pentanone	9.97	43	1334402	382.166	ug/l	95
52) Toluene	10.14	92	548295	94.219	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	346961	89.803	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	363165	89.422	ug/l	93
55) 1,1,2-Trichloroethane	10.55	97	209612	91.792	ug/l	98
56) Ethyl methacrylate	10.42	69	339073	100.021	ug/l	92
57) 1,3-Dichloropropane	10.70	76	347726	87.456	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	492924	457.189	ug/l	92
59) 2-Hexanone	10.74	43	1010734	367.285	ug/l	95
60) Dibromochloromethane	10.89	129	250725	100.600	ug/l	100
61) 1,2-Dibromoethane	10.99	107	231376	95.538	ug/l	98
64) Tetrachloroethene	10.62	164	225682	85.306	ug/l	96
65) Chlorobenzene	11.43	112	594859	96.872	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	228794	98.092	ug/l	99
67) Ethyl Benzene	11.50	91	1065214	96.102	ug/l	97
68) m/p-Xylenes	11.62	106	817099	199.632	ug/l	94
69) o-Xylene	11.94	106	391668	100.569	ug/l	96
70) Styrene	11.96	104	683897	109.296	ug/l	97
71) Bromoform	12.12	173	194767	111.087	ug/l #	98
73) Isopropylbenzene	12.24	105	1061010	94.483	ug/l	99
74) N-amyl acetate	12.06	43	426810	82.858	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	308994	86.743	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	224761m	63.468	ug/l	
77) Bromobenzene	12.52	156	270813	98.063	ug/l	83
78) n-propylbenzene	12.59	91	1222936	92.127	ug/l	97
79) 2-Chlorotoluene	12.67	91	711658	88.660	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	898344	94.532	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	120329	83.923	ug/l	93
82) 4-Chlorotoluene	12.77	91	732876	89.174	ug/l	96
83) tert-Butylbenzene	12.99	119	771636	95.881	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	903328	95.596	ug/l	99
85) sec-Butylbenzene	13.17	105	1029029	96.124	ug/l	99
86) p-Isopropyltoluene	13.28	119	954480	98.443	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	485539	95.613	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	485269	94.780	ug/l	97
89) n-Butylbenzene	13.61	91	851075	93.626	ug/l	98
90) Hexachloroethane	13.87	117	181103	98.817	ug/l	87
91) 1,2-Dichlorobenzene	13.65	146	467387	93.326	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.26	75	69003	65.789	ug/l	80

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VSTDICC100

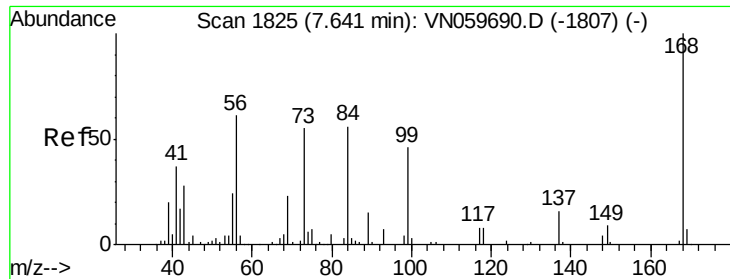
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	306103	94.653	ug/l	98
94) Hexachlorobutadiene	15.01	225	154780	89.374	ug/l	99
95) Naphthalene	15.13	128	902147	93.446	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	299680	91.622	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN059691.D

Acq: 13 Jan 2020 15:16

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion:168 Resp: 199163

Ion Ratio Lower Upper

168 100

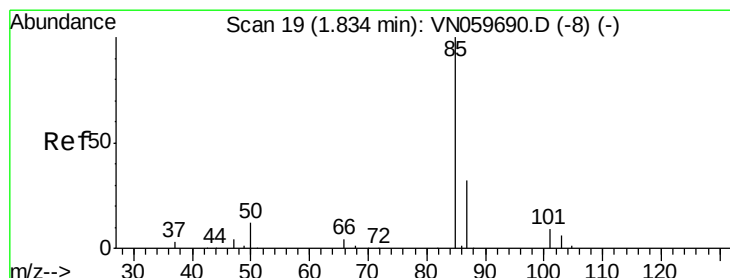
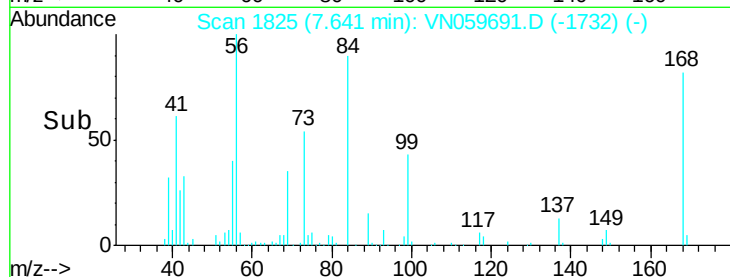
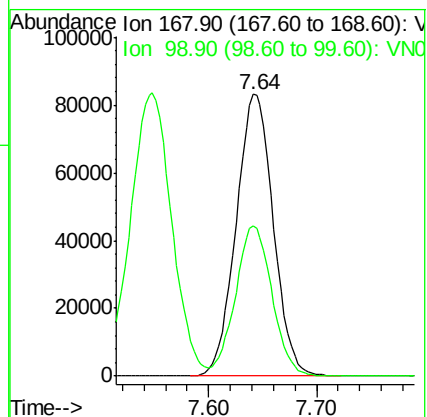
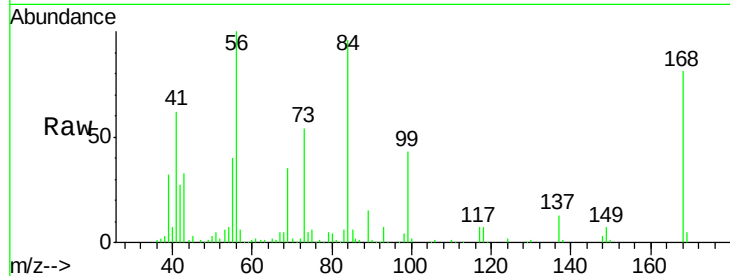
99 53.3 48.2 72.4

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 97.647 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN059691.D

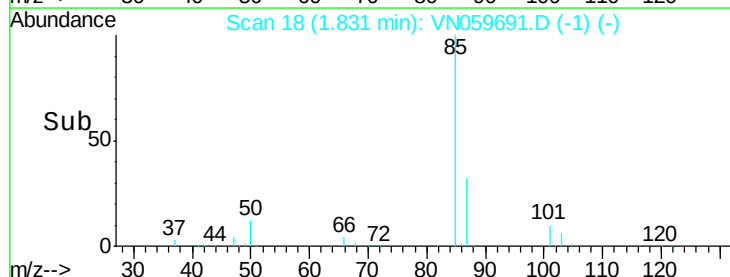
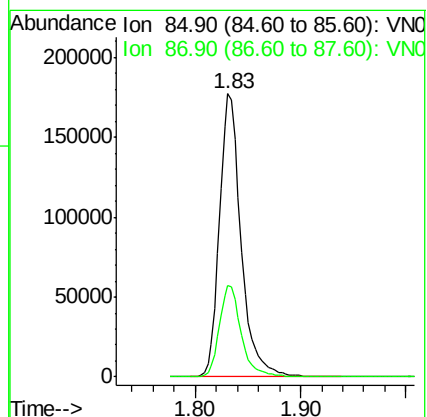
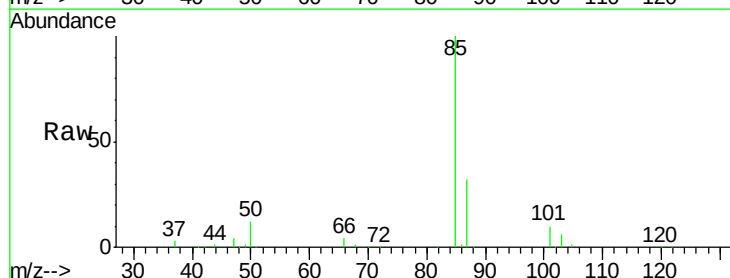
Acq: 13 Jan 2020 15:16

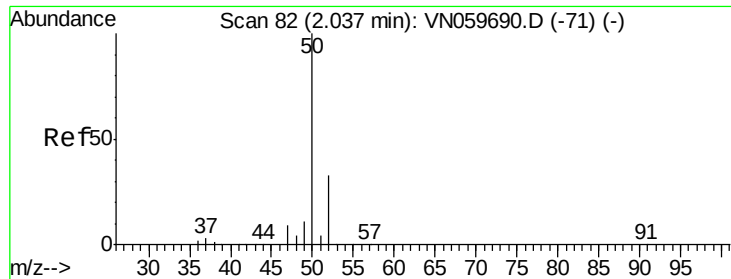
Tgt Ion: 85 Resp: 251303

Ion Ratio Lower Upper

85 100

87 32.4 15.9 47.7





#3

Chloromethane

Concen: 58.598 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN059691.D

Acq: 13 Jan 2020 15:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 239319

Ion Ratio Lower Upper

50 100

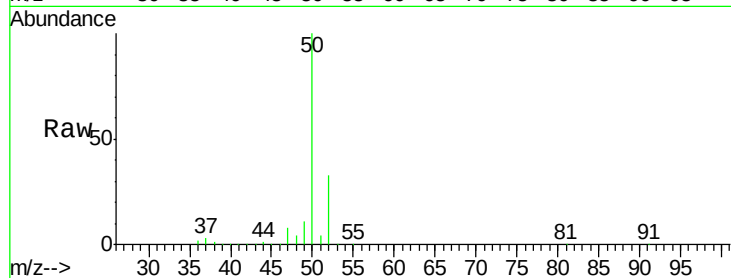
52 32.8 25.9 38.9

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.04

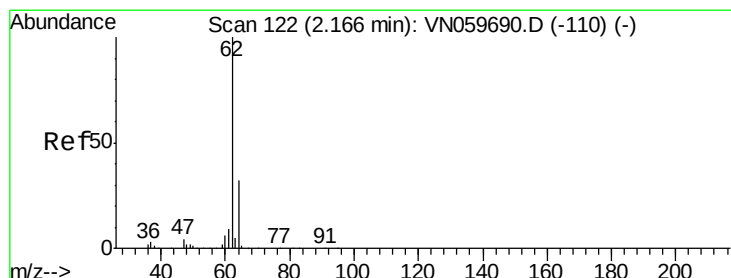
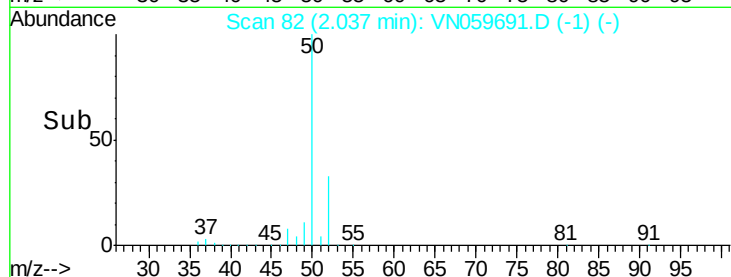
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 75.797 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059691.D

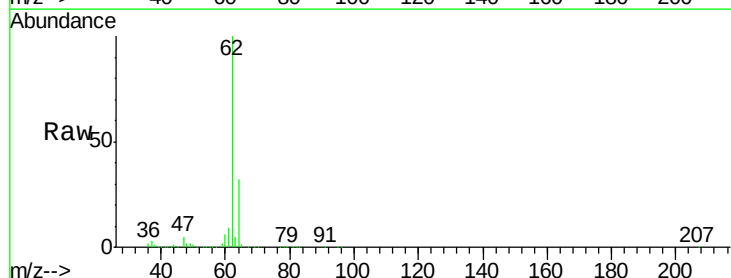
Acq: 13 Jan 2020 15:16

Tgt Ion: 62 Resp: 293553

Ion Ratio Lower Upper

62 100

64 31.9 24.6 37.0



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.17

200000

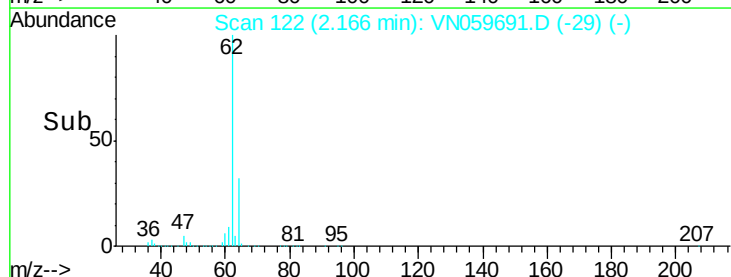
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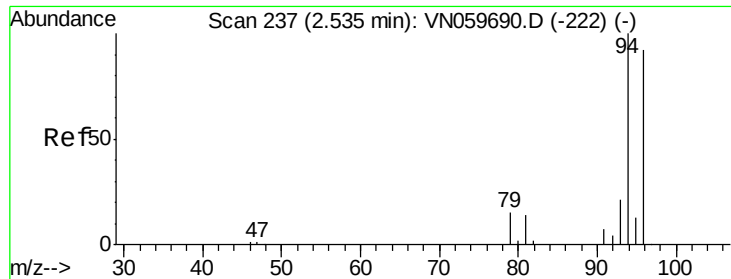
100000

50000

0

Time-->





#5

Bromomethane

Concen: 73.583 ug/l

RT: 2.52 min Scan# 233

Delta R.T. -0.01 min

Lab File: VN059691.D

Acq: 13 Jan 2020 15:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 165669

Ion Ratio Lower Upper

94 100

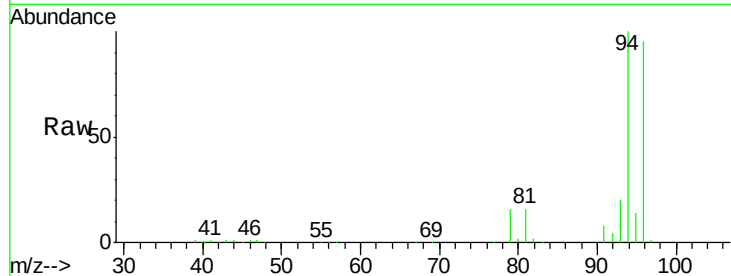
96 94.9 74.7 112.1

Manual Integrations

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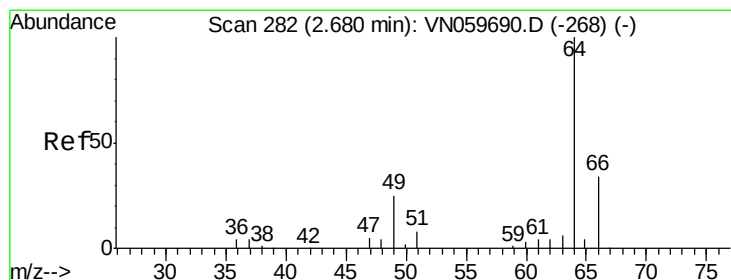
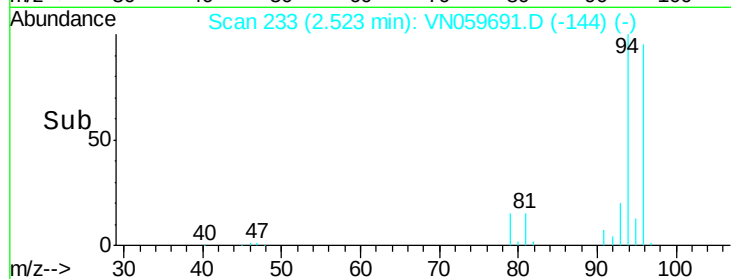
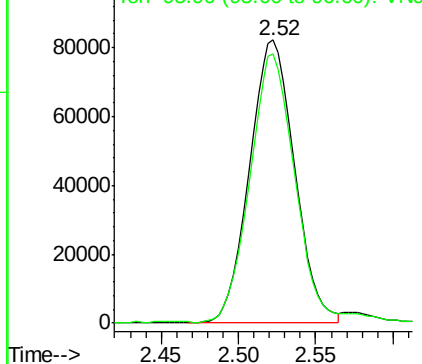
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 62.335 ug/l

RT: 2.67 min Scan# 280

Delta R.T. -0.01 min

Lab File: VN059691.D

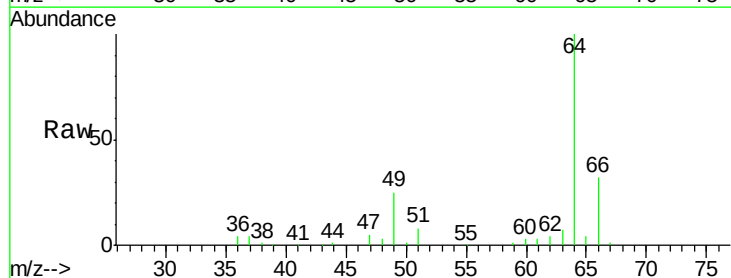
Acq: 13 Jan 2020 15:16

Tgt Ion: 64 Resp: 135682

Ion Ratio Lower Upper

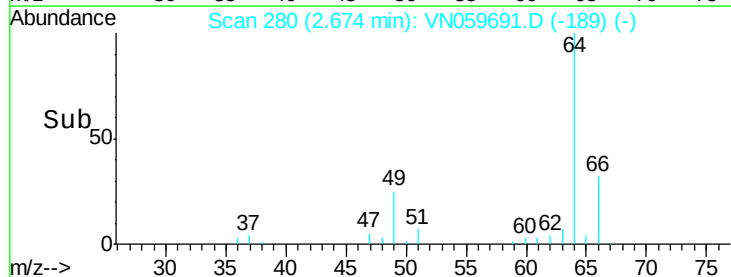
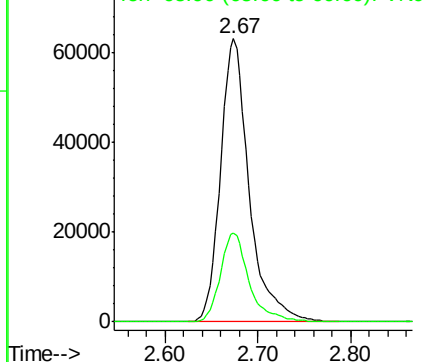
64 100

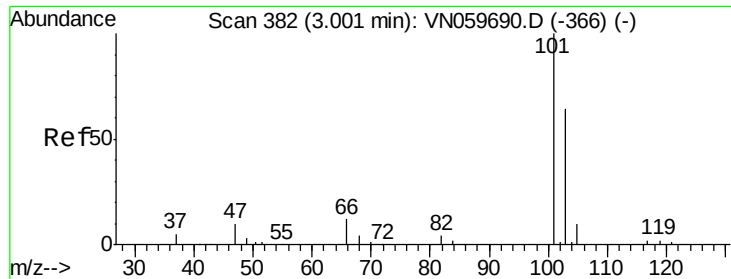
66 31.5 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

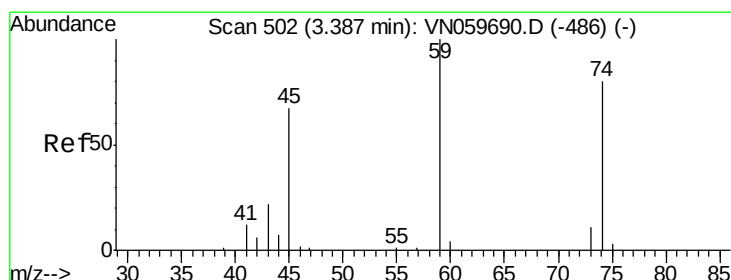
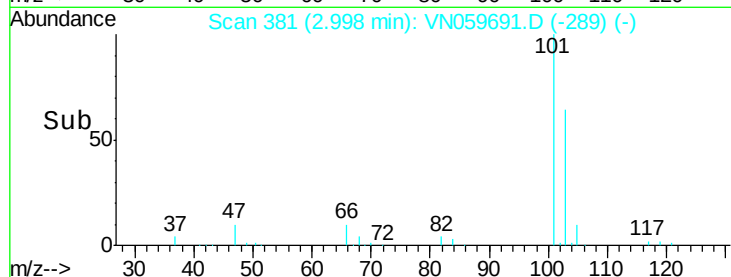
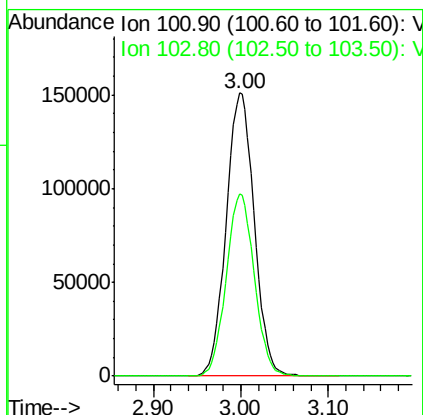
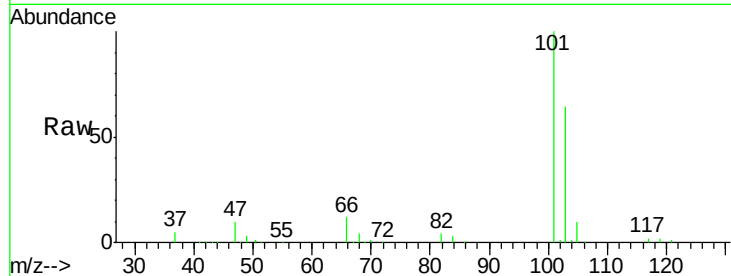
Trichlorofluoromethane
Concen: 79.190 ug/l
RT: 3.00 min Scan# 381
Delta R.T. -0.00 min
Lab File: VN059691.D
Acq: 13 Jan 2020 15:16

Instrument :
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ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	51.0	76.6

Manual Integrations
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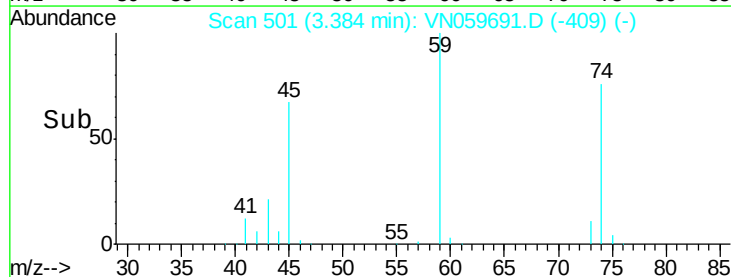
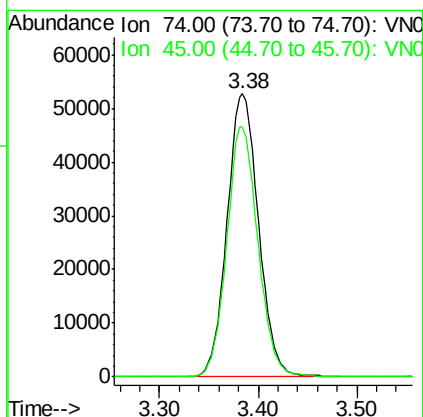
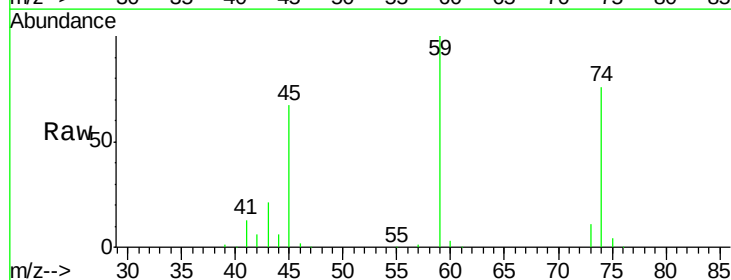
MMDadoda
1/14/2020 10:59:55 AM

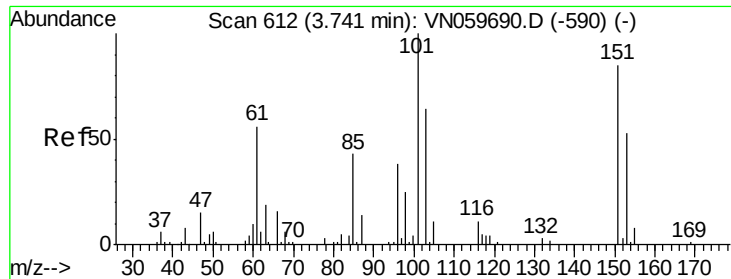


#8

Diethyl Ether
Concen: 88.464 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN059691.D
Acq: 13 Jan 2020 15:16

Tgt Ion	Ratio	Lower	Upper
74	100		
45	87.5	51.9	155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 88.717 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.01 min

Lab File: VN059691.D

Acq: 13 Jan 2020 15:16

Instrument :

MSVOA_N

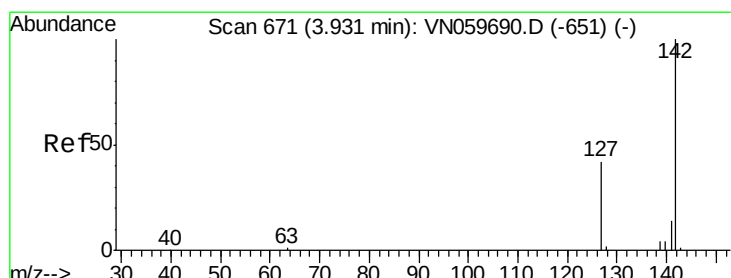
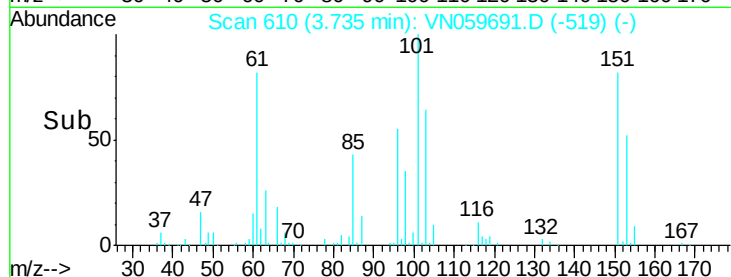
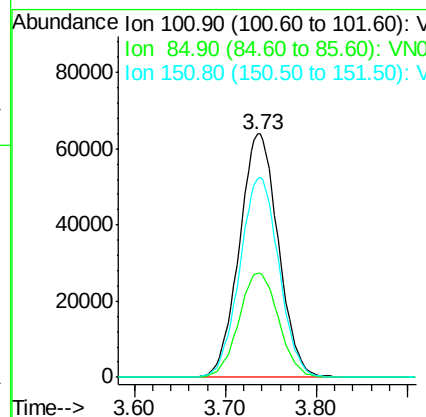
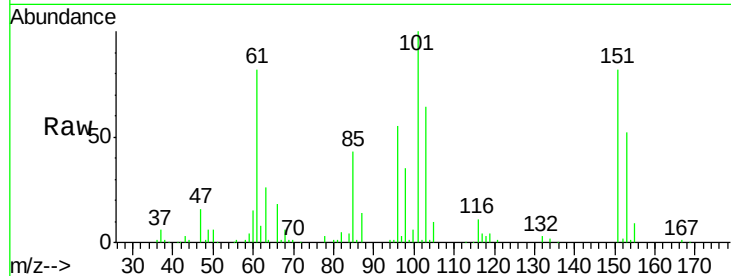
ClientSampled :

VSTDIC100

Tot Ion:	101	Resp:	189979
Ion Ratio	Lower	Upper	
101	100		
85	43.5	36.6	54.8
151	82.3	59.7	89.5

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#10

Methyl Iodide

Concen: 110.494 ug/l

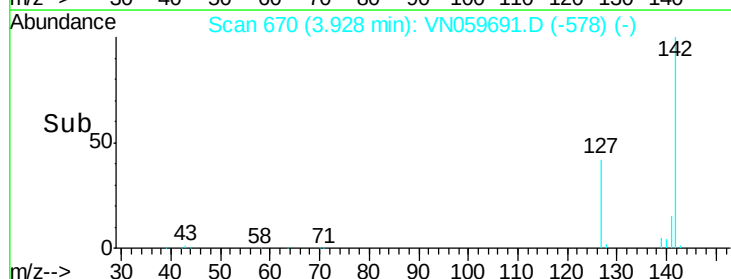
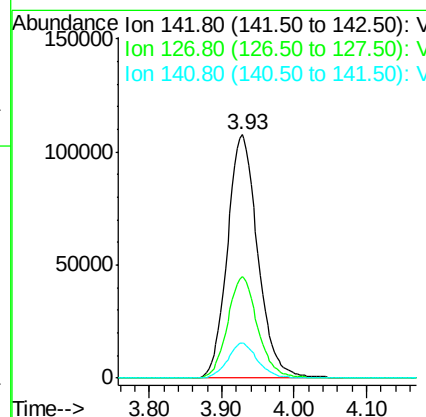
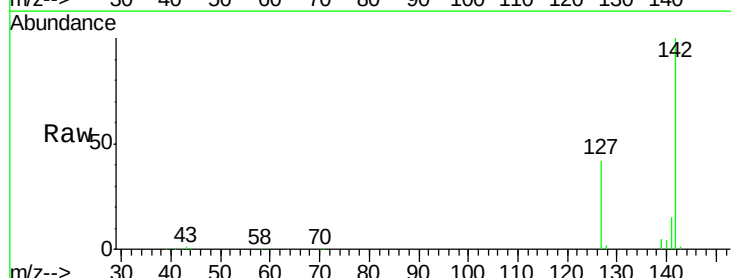
RT: 3.93 min Scan# 670

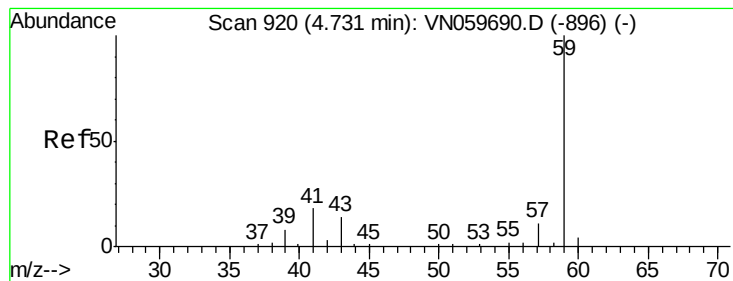
Delta R.T. -0.00 min

Lab File: VN059691.D

Acq: 13 Jan 2020 15:16

Tgt Ion:	142	Resp:	313241
Ion Ratio	Lower	Upper	
142	100		
127	41.3	36.7	55.1
141	14.2	11.7	17.5





#11

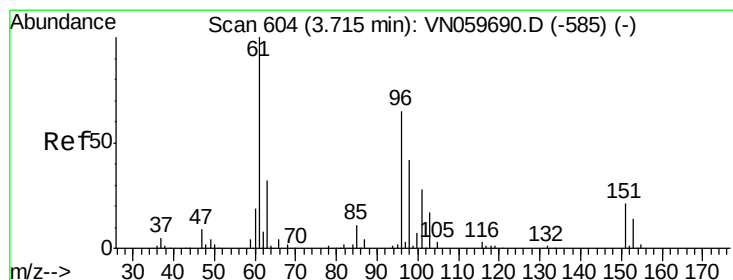
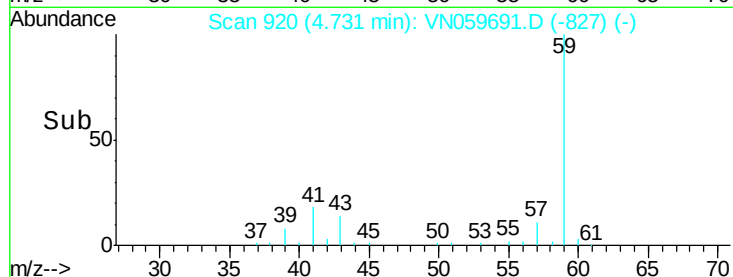
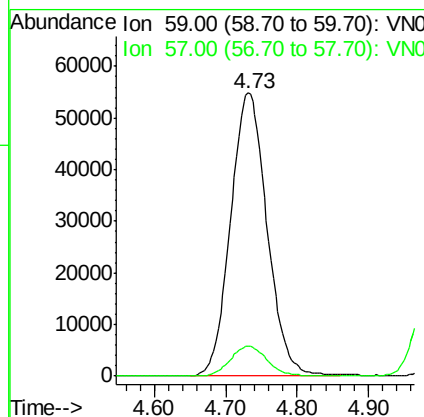
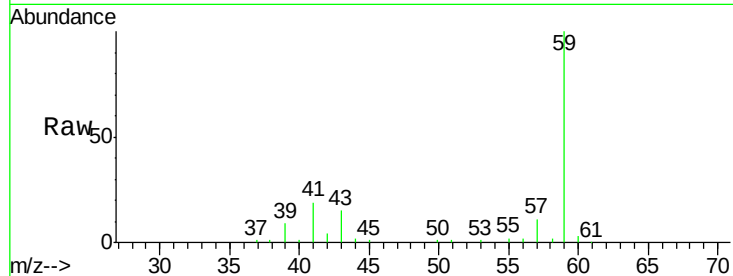
Tert butyl alcohol
 Concen: 367.783 ug/l
 RT: 4.73 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VN059691.D
 Acq: 13 Jan 2020 15:16

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion	59	Resp	195410
Ion Ratio	100	Lower	Upper
57	10.6	8.6	12.8

Manual Integrations
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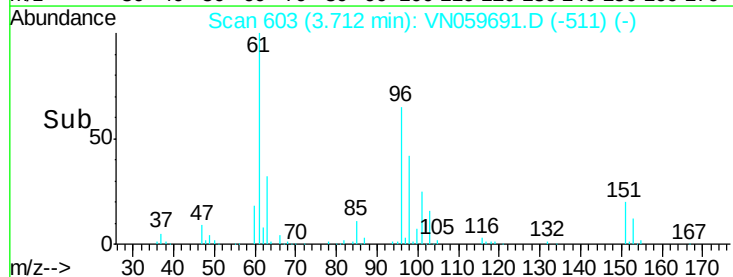
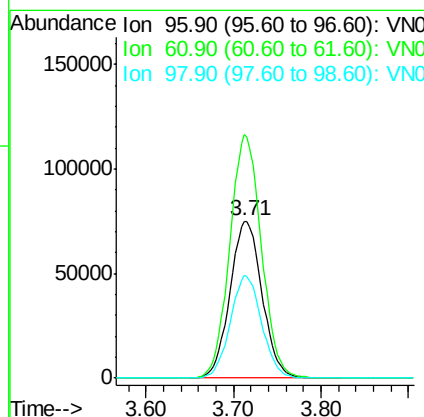
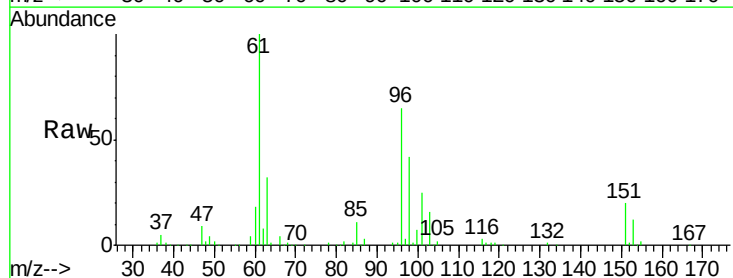
MMDadoda
 1/14/2020 10:59:55 AM

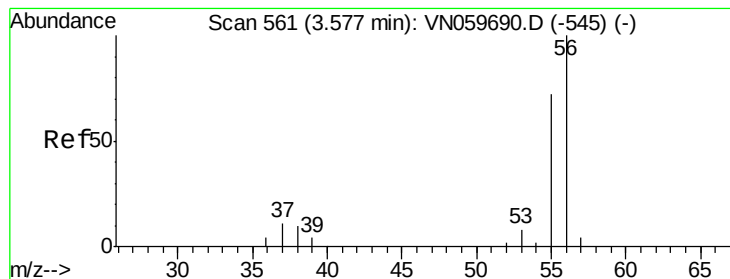


#12

1,1-Dichloroethene
 Concen: 91.432 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: VN059691.D
 Acq: 13 Jan 2020 15:16

Tgt Ion	96	Resp	190997
Ion Ratio	100	Lower	Upper
61	155.0	137.5	206.3
98	65.0	50.2	75.4





#13

Acrolein

Concen: 349.618 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN059691.D

Acq: 13 Jan 2020 15:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 132322

Ion Ratio Lower Upper

56 100

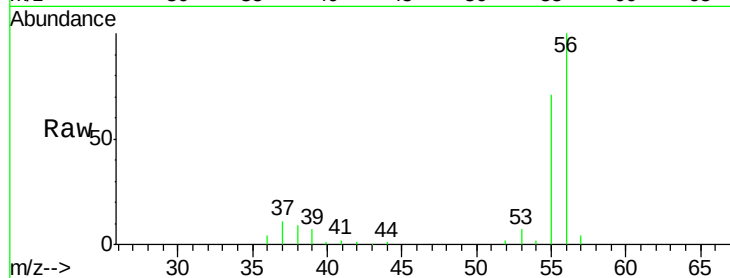
55 69.6 58.6 88.0

Manual Integrations

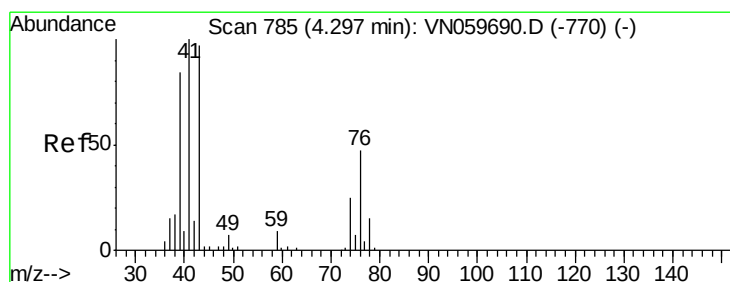
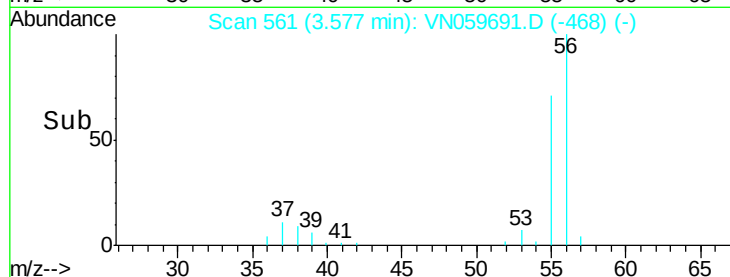
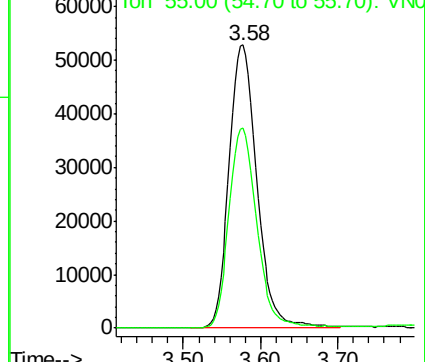
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Abundance Ion 56.00 (55.70 to 56.70): VN059691.D (-545) (-)



#14

Allyl chloride

Concen: 62.039 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059691.D

Acq: 13 Jan 2020 15:16

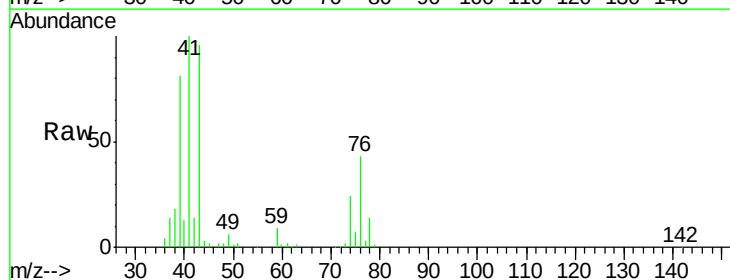
Tgt Ion: 41 Resp: 266043

Ion Ratio Lower Upper

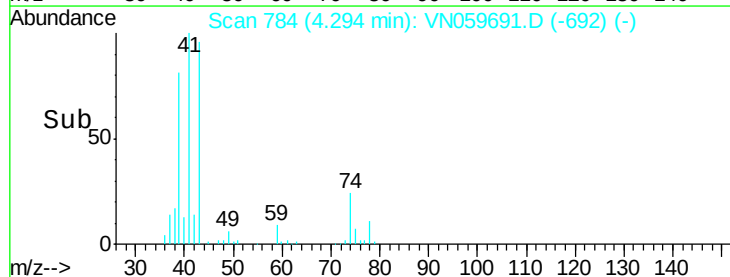
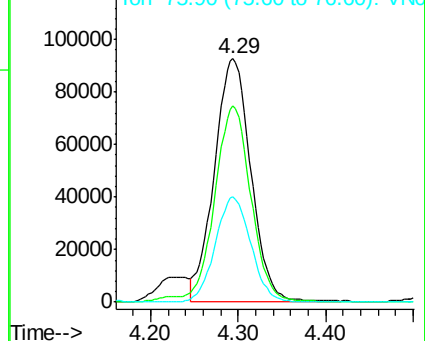
41 100

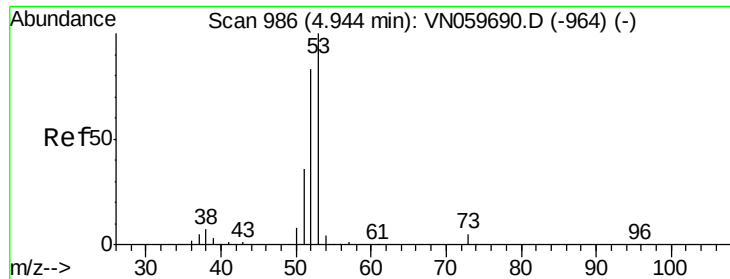
39 79.4 57.8 86.8

76 42.6 25.4 38.0#



Abundance Ion 41.00 (40.70 to 41.70): VN059691.D (-692) (-)





#15

Acrylonitrile

Concen: 363.837 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN059691.D

Acq: 13 Jan 2020 15:16

Instrument :

MSVOA_N

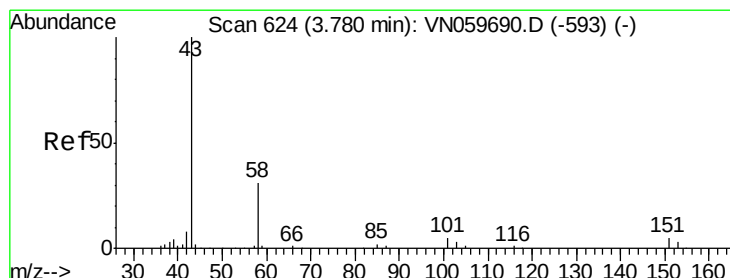
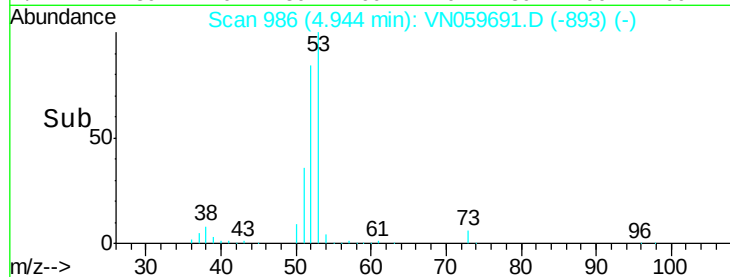
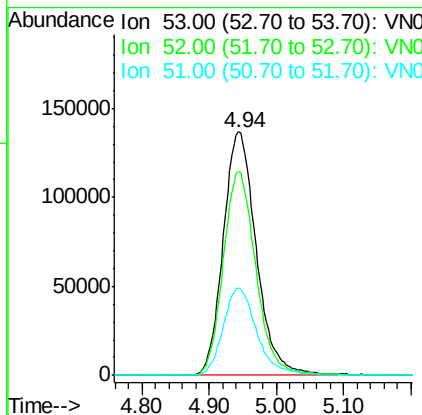
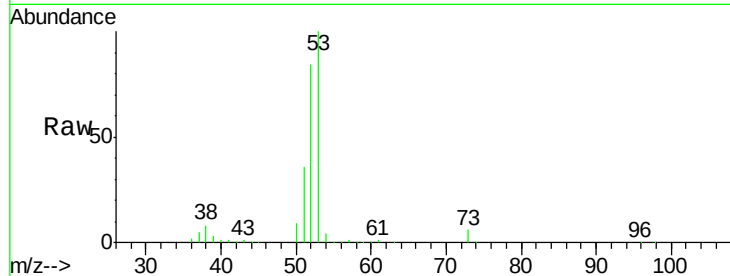
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	467600
Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.3	99.5
51	36.7	29.7	44.5

Manual Integrations
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#16

Acetone

Concen: 229.428 ug/l

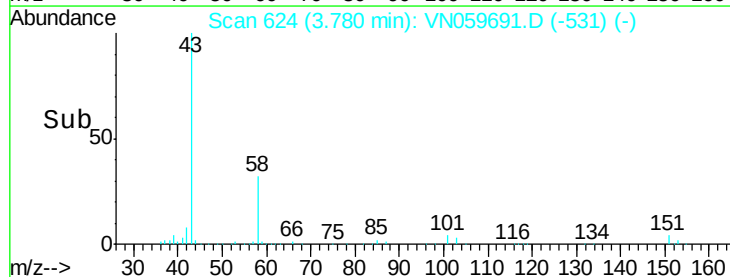
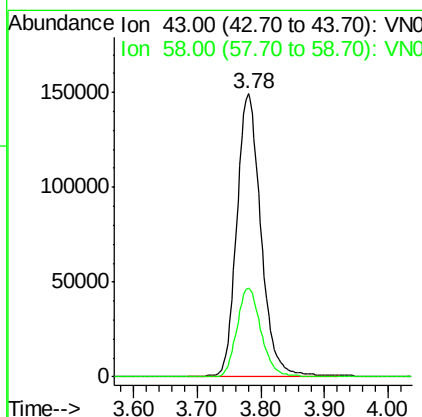
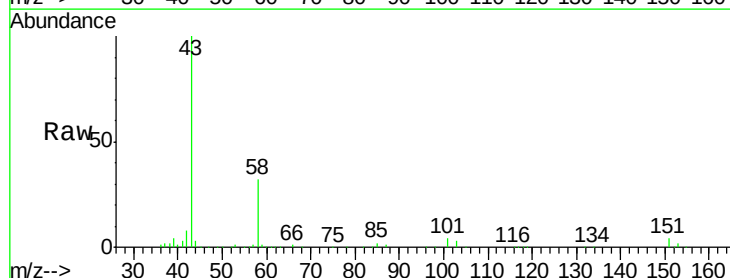
RT: 3.78 min Scan# 624

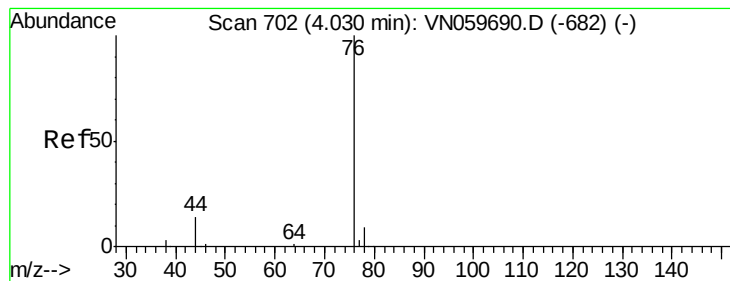
Delta R.T. 0.00 min

Lab File: VN059691.D

Acq: 13 Jan 2020 15:16

Tgt Ion:	43	Resp:	394763
Ion	Ratio	Lower	Upper
43	100		
58	31.5	23.6	35.4





#17

Carbon Disulfide

Concen: 75.963 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN059691.D

Acq: 13 Jan 2020 15:16

Tot Ion: 76 Resp: 544884

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0

Instrument :

MSVOA_N

ClientSampleId :

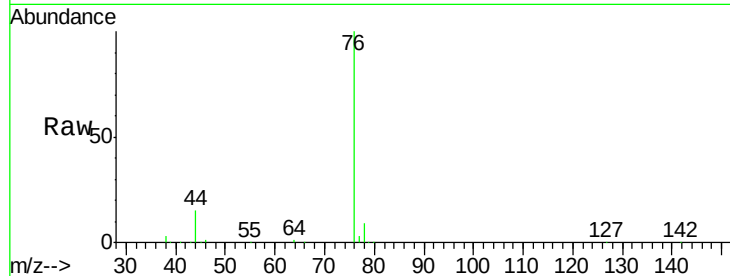
VSTDIC100

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

4.03

200000

150000

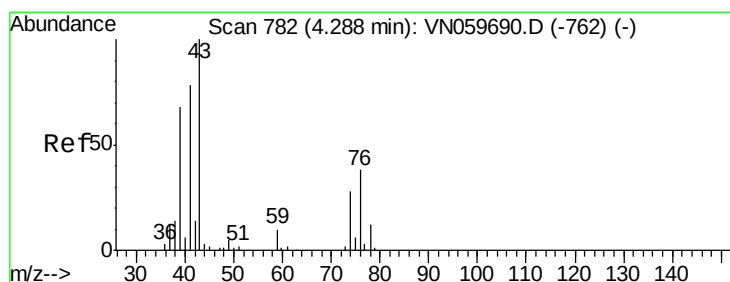
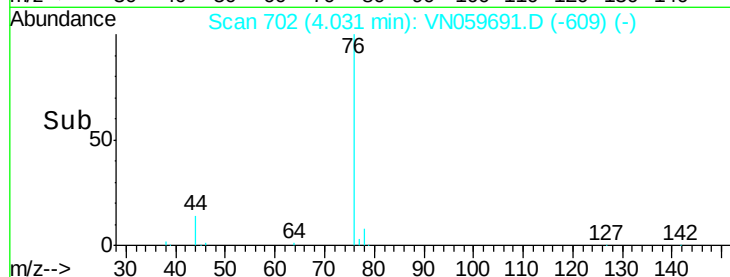
100000

50000

0

Time-->

3.90 4.00 4.10 4.20



#18

Methyl Acetate

Concen: 75.720 ug/l

RT: 4.29 min Scan# 782

Delta R.T. 0.00 min

Lab File: VN059691.D

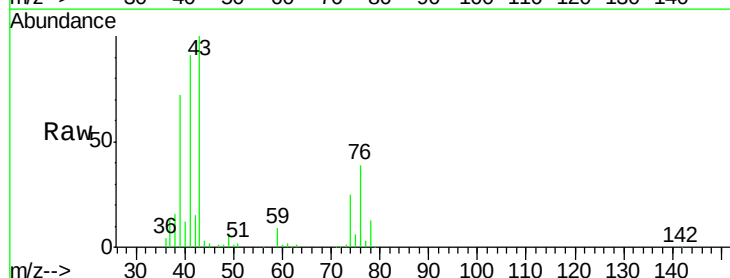
Acq: 13 Jan 2020 15:16

Tgt Ion: 43 Resp: 273005

Ion Ratio Lower Upper

43 100

74 25.8 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

4.29

100000

80000

60000

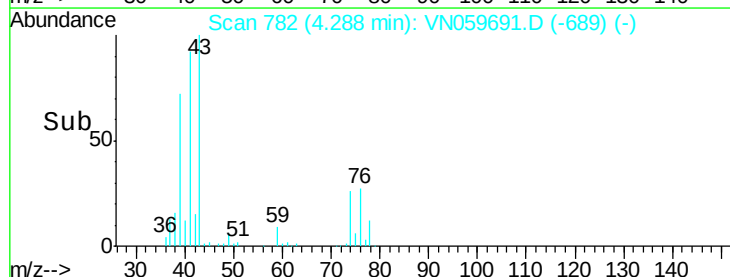
40000

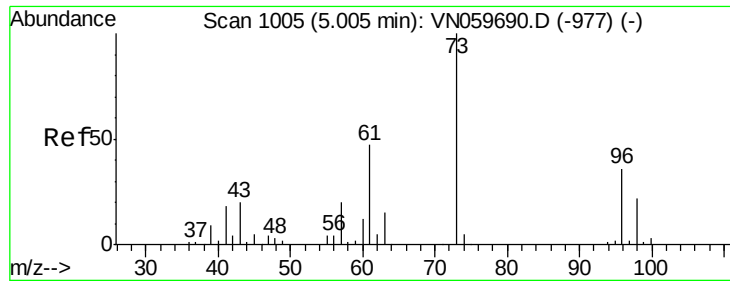
20000

0

Time-->

4.20 4.30 4.40





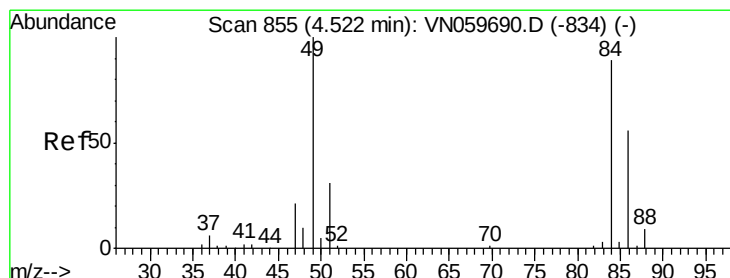
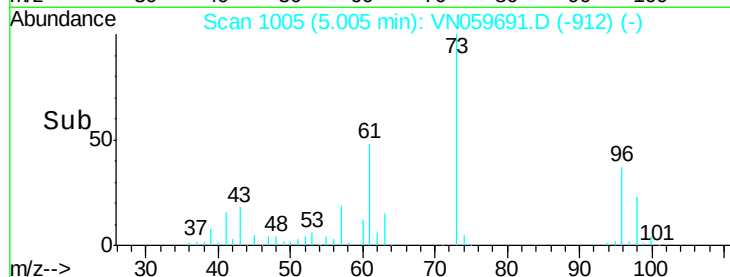
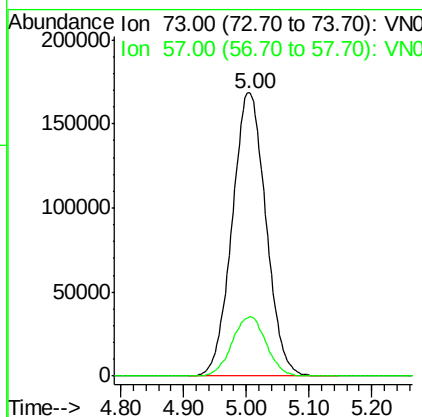
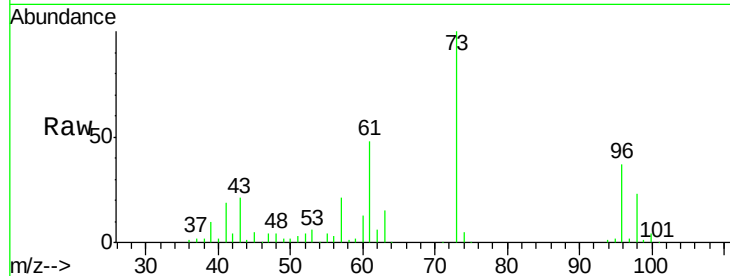
#19
Methyl tert-butyl Ether
Concen: 85.201 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VN059691.D
Acq: 13 Jan 2020 15:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 73 Resp: 628415
Ion Ratio Lower Upper
73 100
57 21.0 18.6 27.8

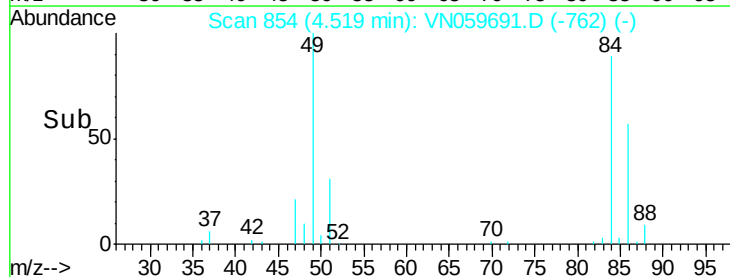
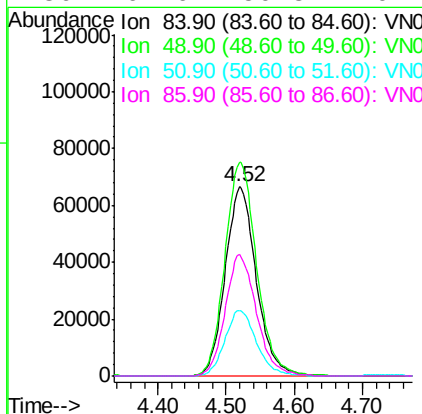
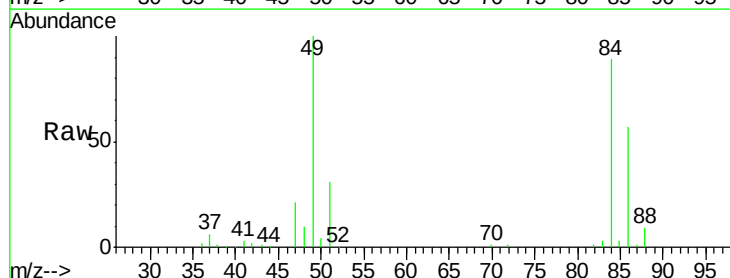
Manual Integrations
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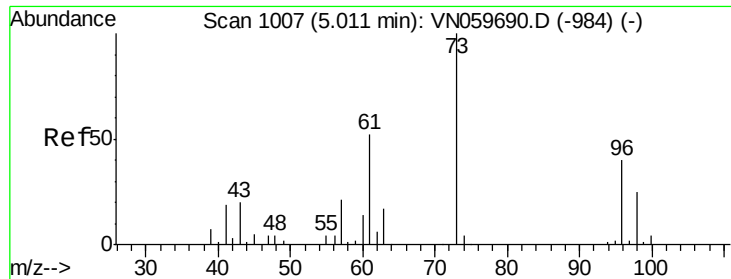
MMDadoda
1/14/2020 10:59:55 AM



#20
Methylene Chloride
Concen: 84.883 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059691.D
Acq: 13 Jan 2020 15:16

Tgt Ion: 84 Resp: 210934
Ion Ratio Lower Upper
84 100
49 113.0 106.6 160.0
51 34.6 31.9 47.9
86 64.6 50.8 76.2





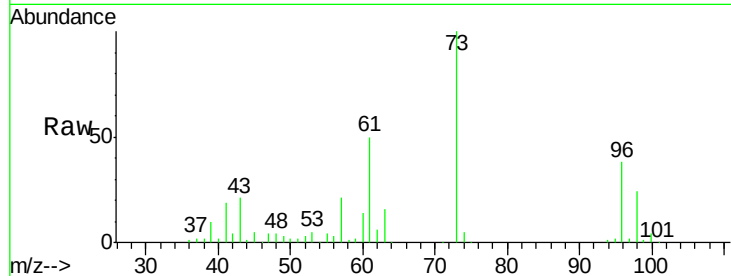
#21
trans-1,2-Dichloroethene
Concen: 87.388 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN059691.D
Acq: 13 Jan 2020 15:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.2	120.4	180.6
98	62.9	50.6	75.8

Manual Integrations
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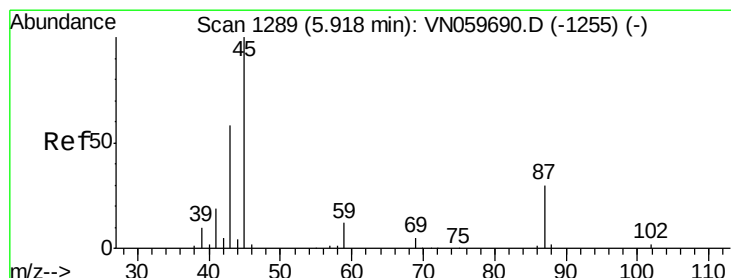
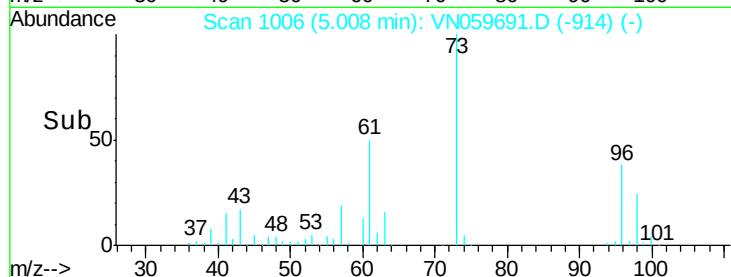
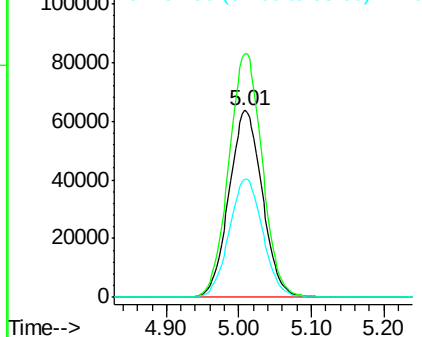


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22
Diisopropyl ether
Concen: 76.086 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VN059691.D
Acq: 13 Jan 2020 15:16

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.8	50.8	76.2
87	31.3	21.0	31.6
59	12.5	9.1	13.7

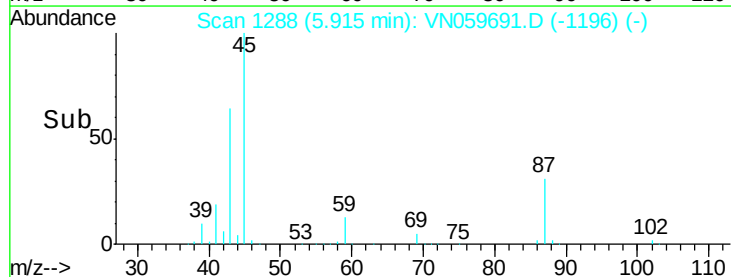
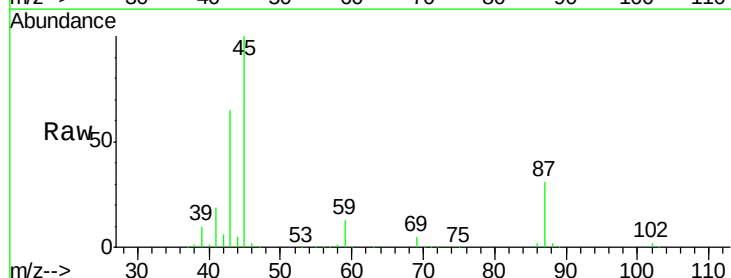
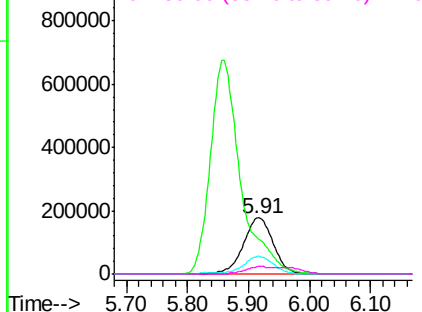
Abundance

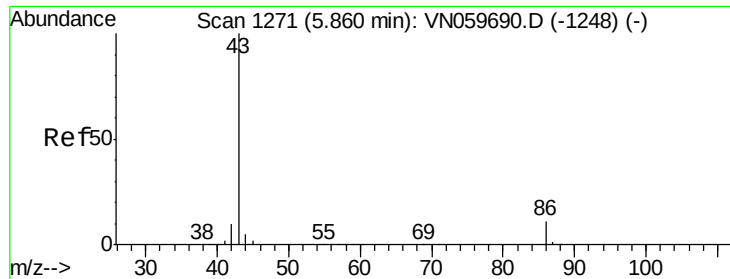
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





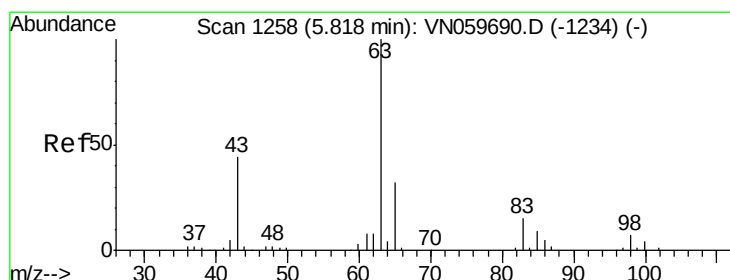
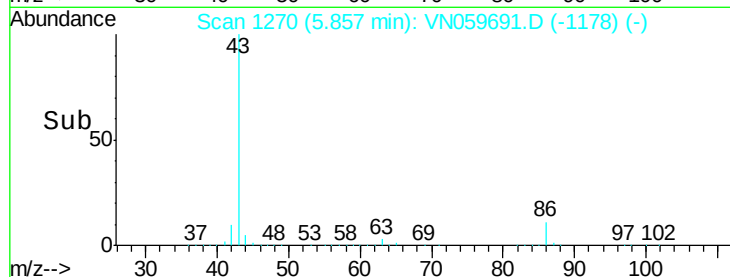
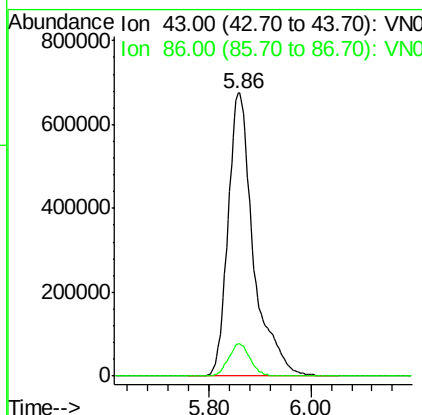
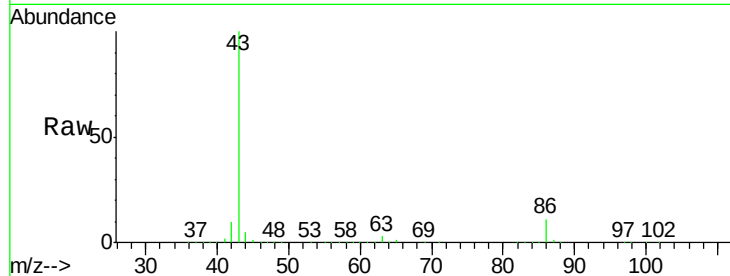
#23
 Vinyl Acetate
 Concen: 376.316 ug/l
 RT: 5.86 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VN059691.D
 Acq: 13 Jan 2020 15:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 43 Resp: 2334780
 Ion Ratio Lower Upper
 43 100
 86 11.4 7.6 11.4

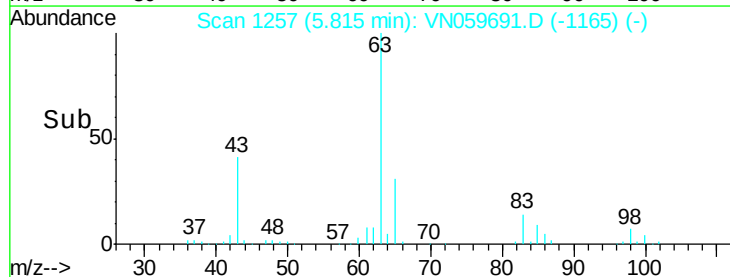
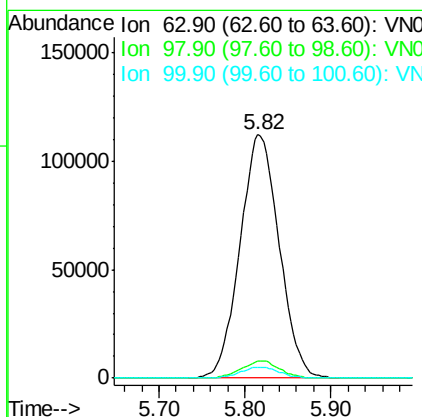
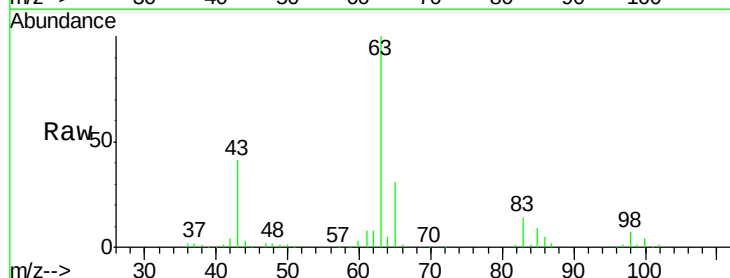
Manual Integrations
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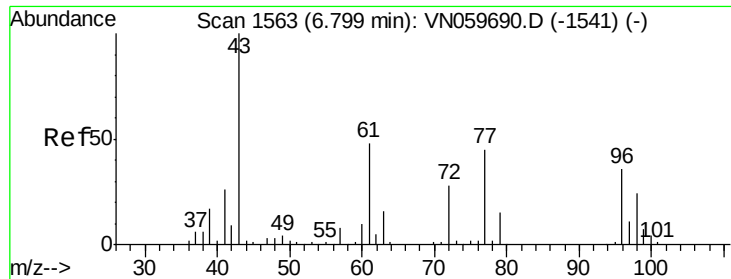
MMDadoda
 1/14/2020 10:59:55 AM



#24
 1,1-Dichloroethane
 Concen: 79.235 ug/l
 RT: 5.82 min Scan# 1257
 Delta R.T. -0.00 min
 Lab File: VN059691.D
 Acq: 13 Jan 2020 15:16

Tgt Ion: 63 Resp: 354847
 Ion Ratio Lower Upper
 63 100
 98 7.0 2.9 8.7
 100 4.4 2.0 6.0





#25

2-Butanone

Concen: 308.579 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059691.D

Acq: 13 Jan 2020 15:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 634916

Ion Ratio Lower Upper

43 100

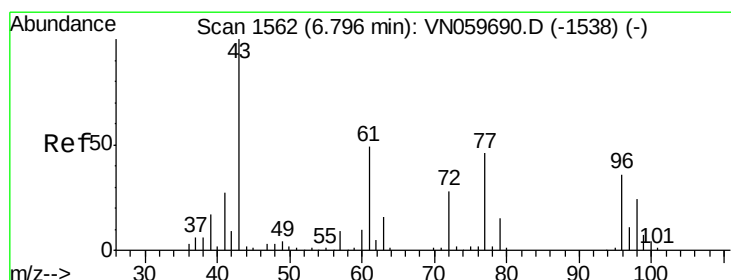
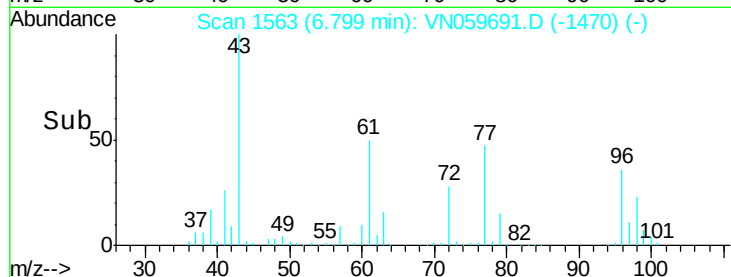
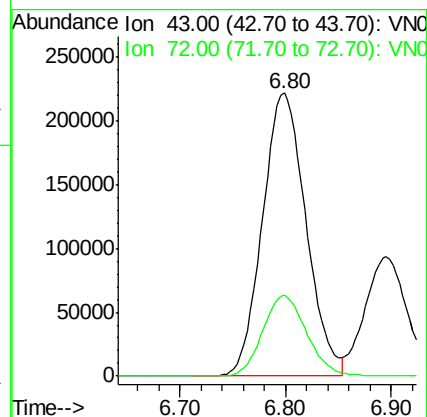
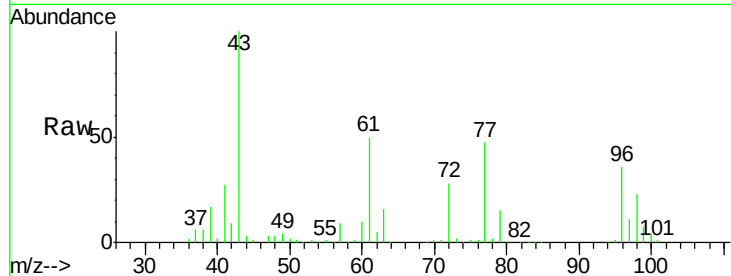
72 28.5 19.9 29.9

Manual Integrations

APPROVED

MMDadoda

1/14/2020 10:59:55 AM



#26

2,2-Dichloropropane

Concen: 82.379 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN059691.D

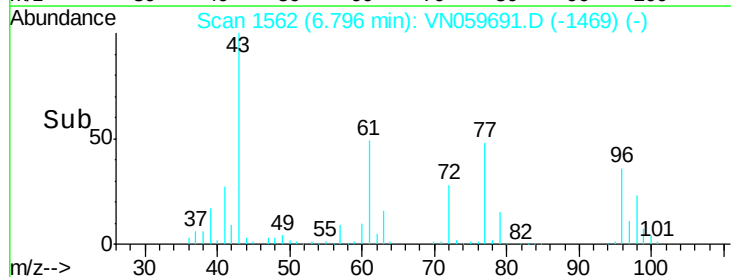
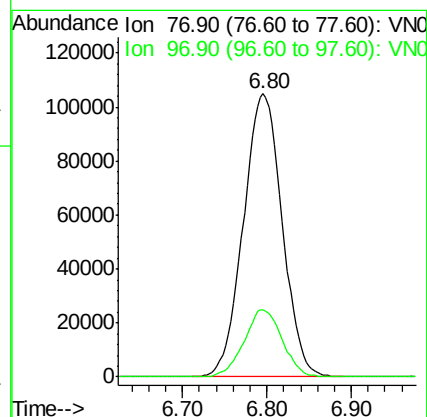
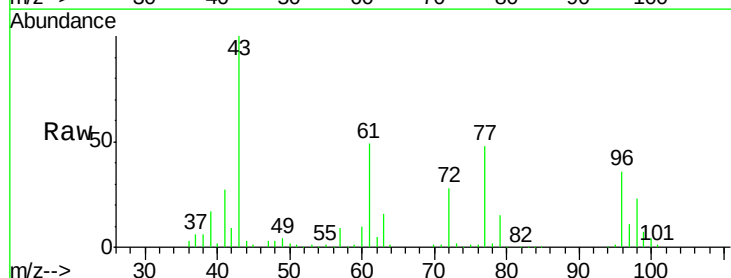
Acq: 13 Jan 2020 15:16

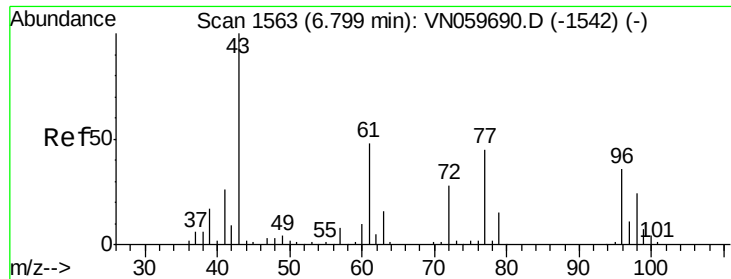
Tgt Ion: 77 Resp: 335304

Ion Ratio Lower Upper

77 100

97 23.4 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 90.273 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059691.D

Acq: 13 Jan 2020 15:16

Instrument :

MSVOA_N

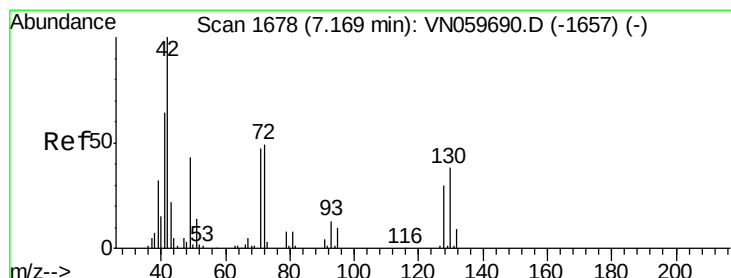
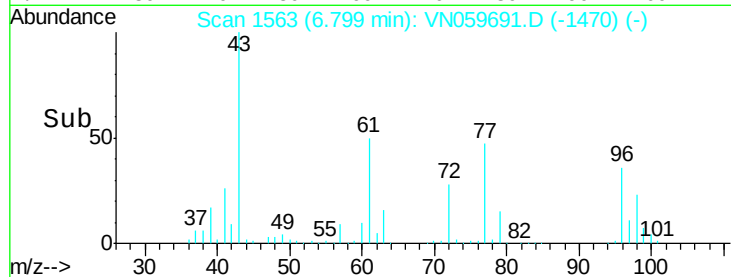
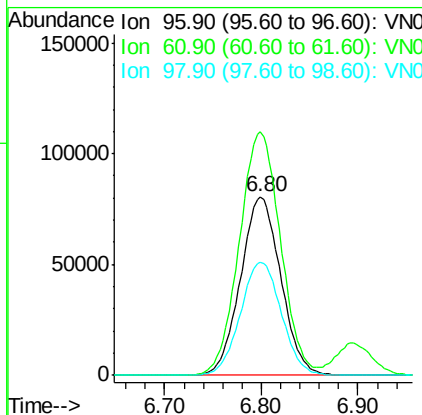
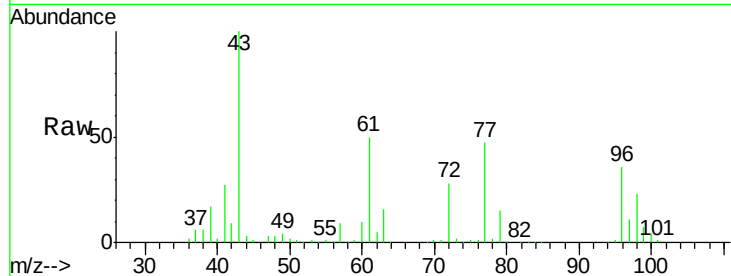
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	232948
Ion	Ratio	Lower	Upper
96	100		
61	139.2	0.0	317.6
98	64.7	0.0	127.0

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#28

Bromochloromethane

Concen: 90.568 ug/l

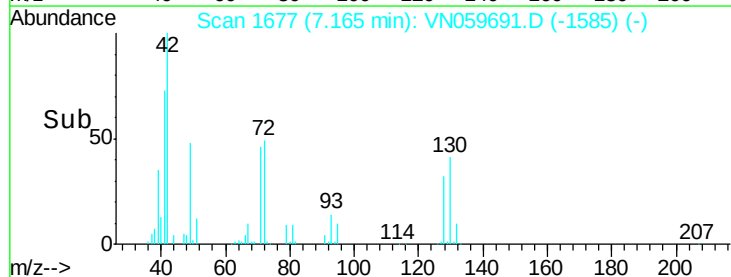
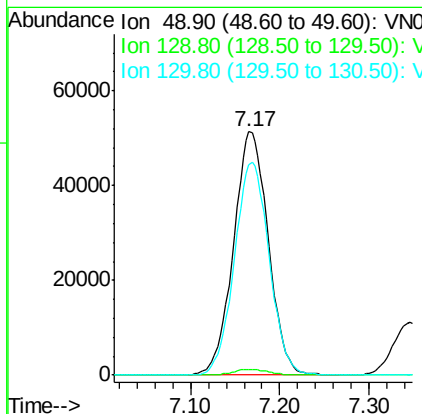
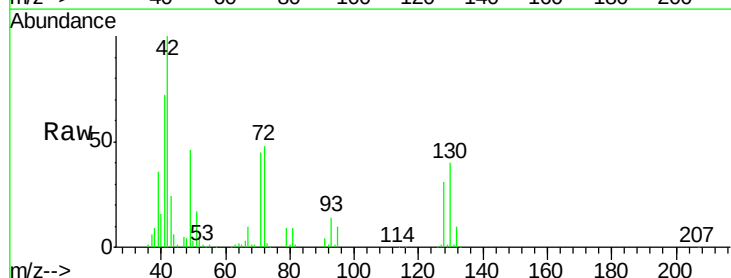
RT: 7.17 min Scan# 1677

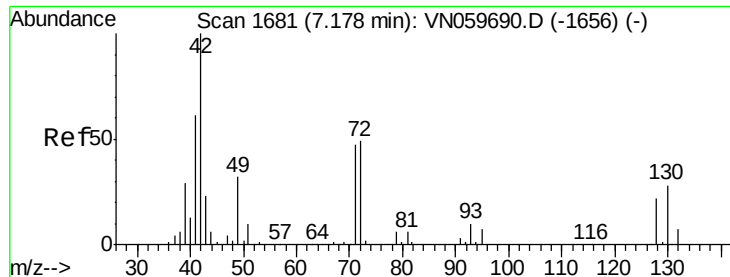
Delta R.T. -0.00 min

Lab File: VN059691.D

Acq: 13 Jan 2020 15:16

Tgt Ion:	49	Resp:	139087
Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	3.4
130	87.5	54.7	82.1#





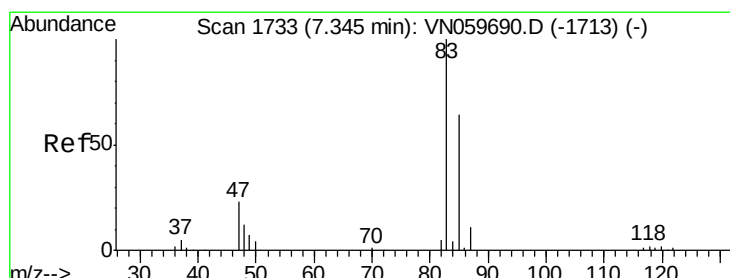
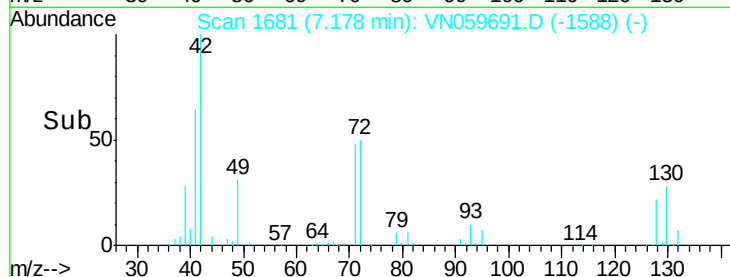
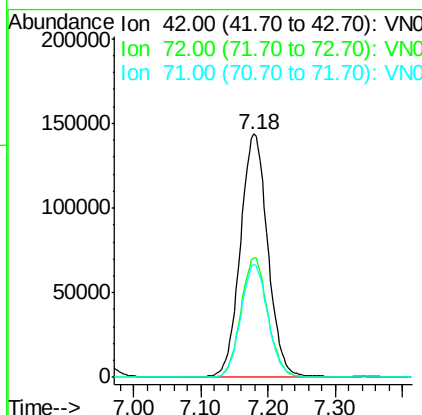
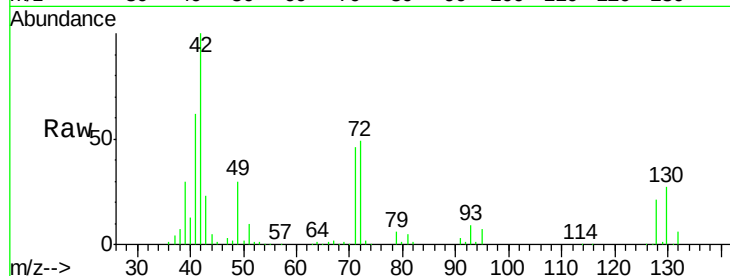
#29
Tetrahydrofuran
Concen: 325.619 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN059691.D
Acq: 13 Jan 2020 15:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.1	33.1	49.7
71	45.6	31.4	47.0

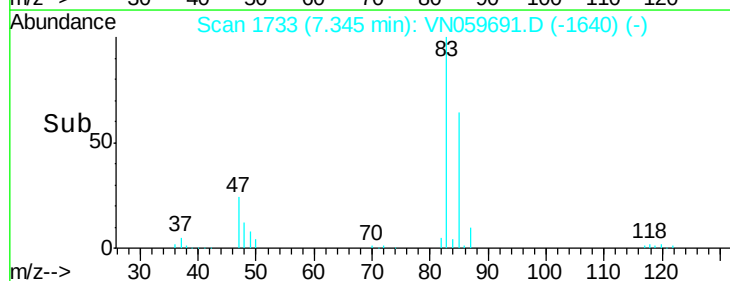
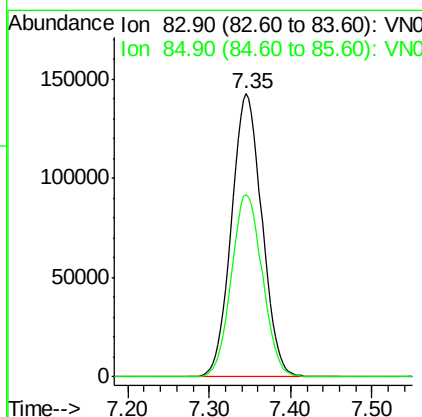
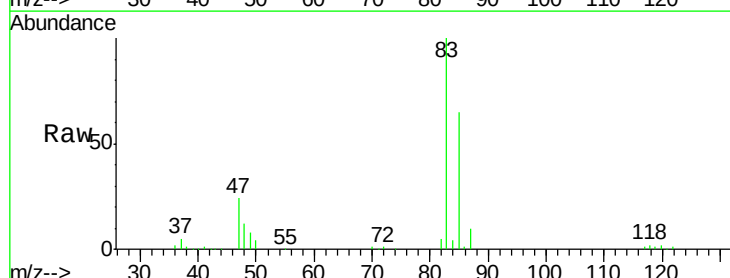
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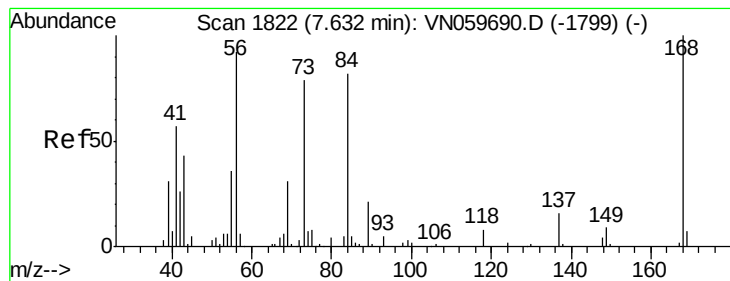
MMDadoda
1/14/2020 10:59:55 AM



#30
Chloroform
Concen: 84.389 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN059691.D
Acq: 13 Jan 2020 15:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.4	78.6





#31

Cyclohexane

Concen: 76.528 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN059691.D

Acq: 13 Jan 2020 15:16

Instrument :

MSVOA_N

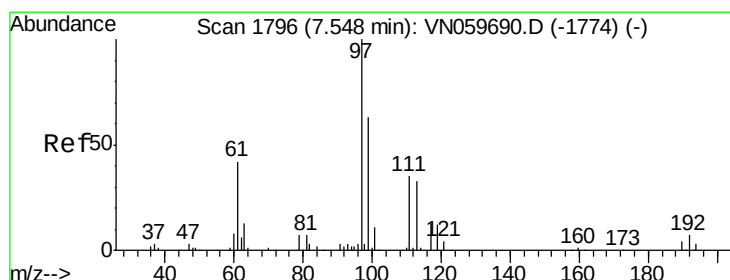
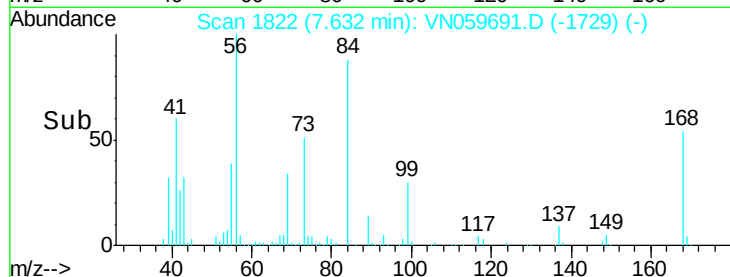
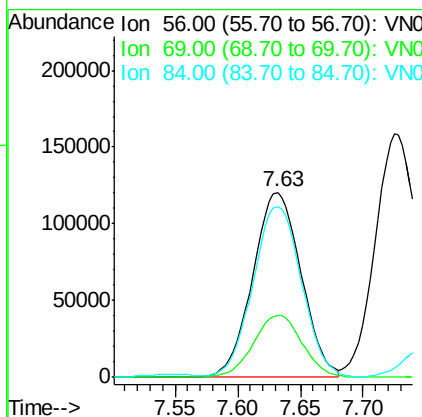
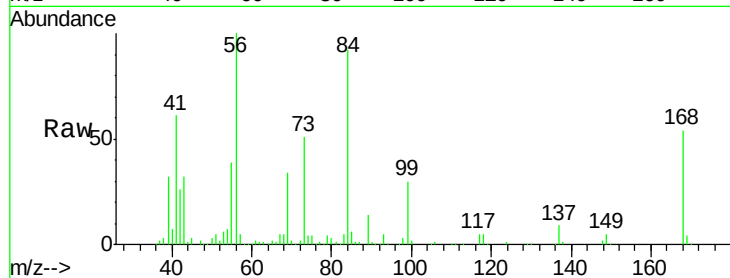
ClientSampled :

VSTDIC100

Tot Ion:	56	Resp:	323831
Ion Ratio	Lower	Upper	
56	100		
69	33.5	26.5	39.7
84	90.8	65.3	97.9

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#32

1,1,1-Trichloroethane

Concen: 87.295 ug/l

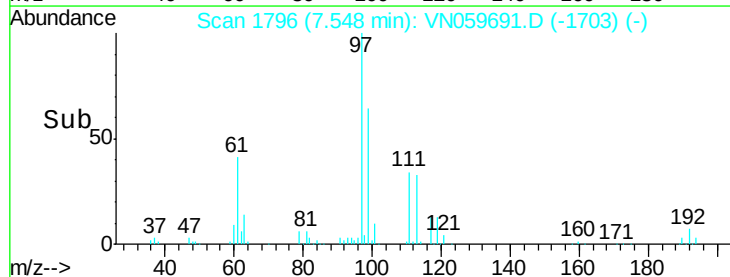
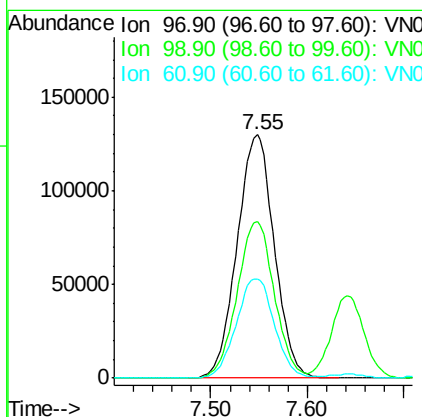
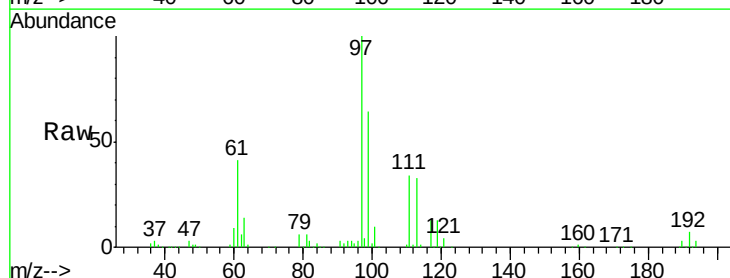
RT: 7.55 min Scan# 1796

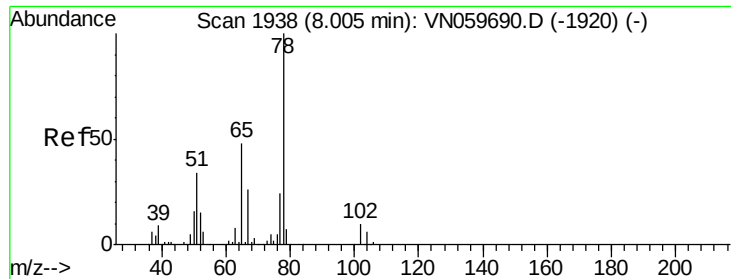
Delta R.T. 0.00 min

Lab File: VN059691.D

Acq: 13 Jan 2020 15:16

Tgt Ion:	97	Resp:	346930
Ion Ratio	Lower	Upper	
97	100		
99	64.4	51.0	76.4
61	41.9	38.5	57.7





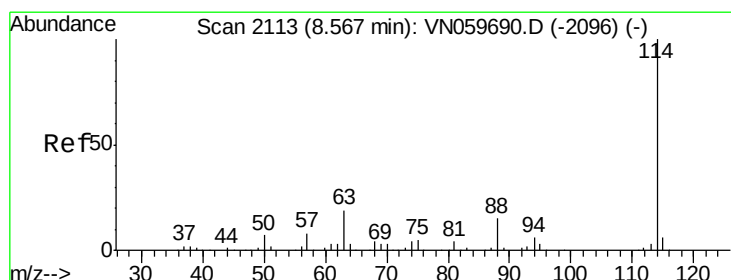
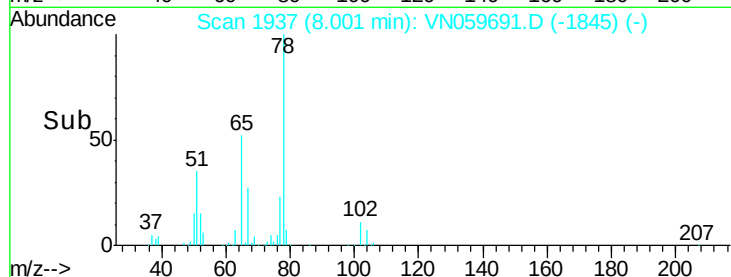
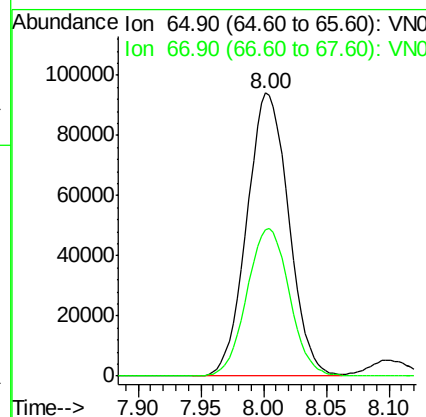
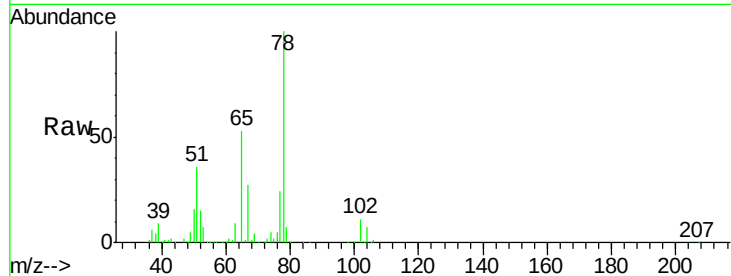
#33
 1,2-Dichloroethane-d4
 Concen: 75.553 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN059691.D
 Acq: 13 Jan 2020 15:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100	218962		
67	53.1	0.0	103.0	

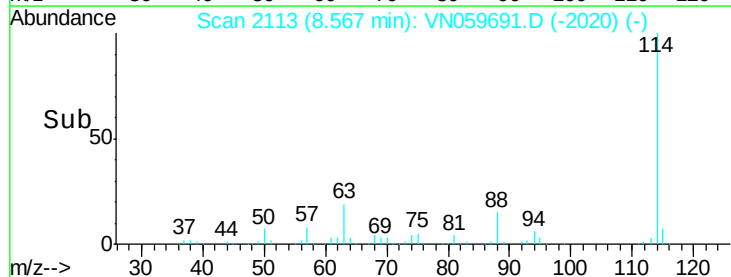
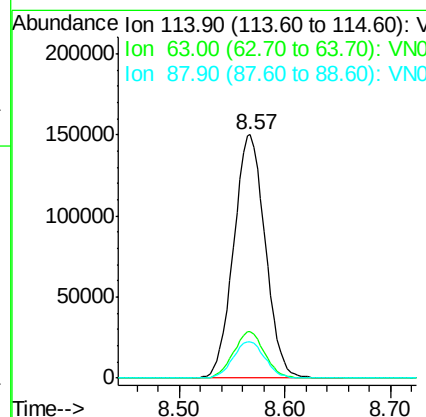
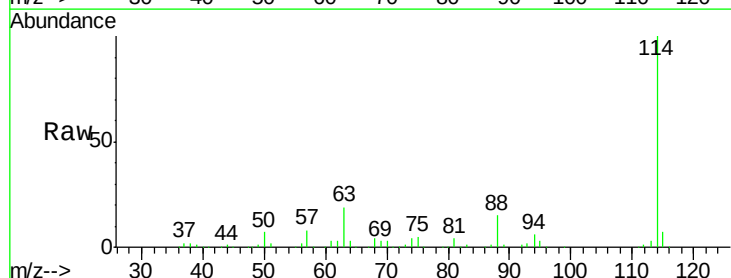
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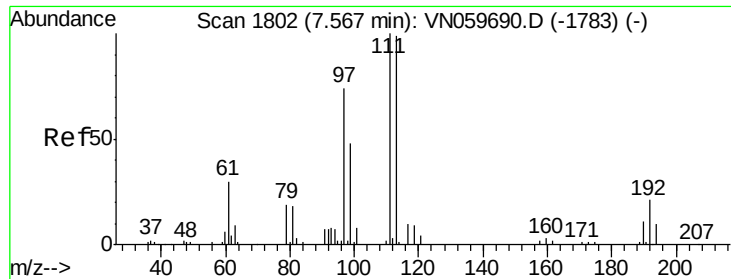
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059691.D
 Acq: 13 Jan 2020 15:16

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	310771		
63	18.9	0.0	43.6	
88	14.9	0.0	31.4	





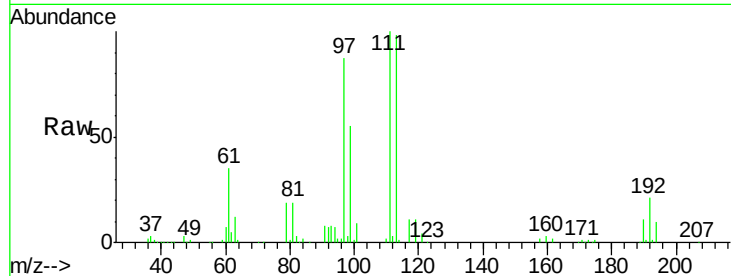
#35
 Dibromofluoromethane
 Concen: 94.962 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059691.D
 Acq: 13 Jan 2020 15:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	184650		
111	102.9	83.5	125.3	
192	21.8	15.4	23.2	

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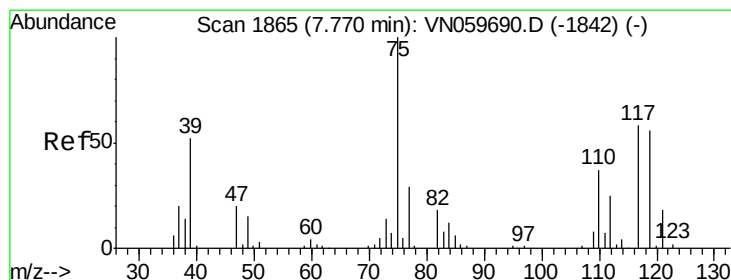
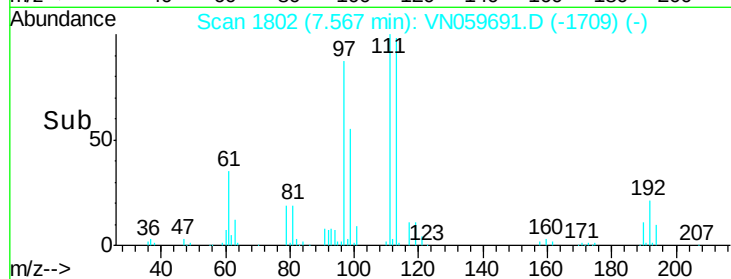
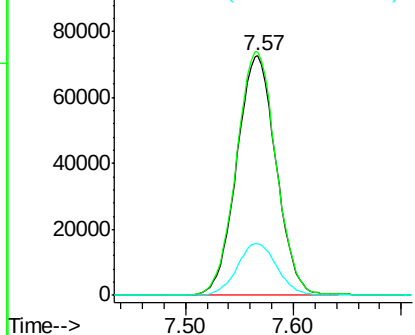


Abundance

Ion 112.80 (112.50 to 113.50): V

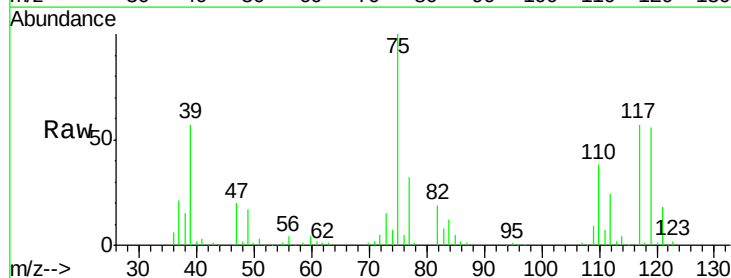
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 87.845 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN059691.D
 Acq: 13 Jan 2020 15:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	284695		
110	37.9	16.6	49.7	
77	31.2	25.1	37.7	

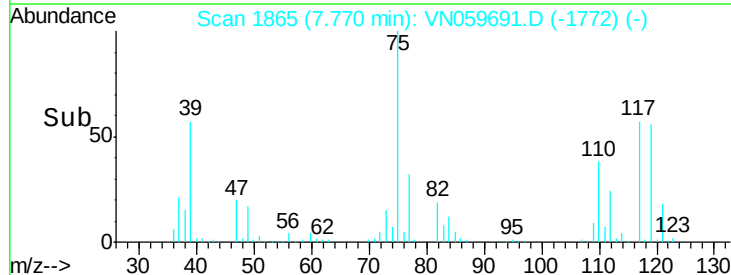
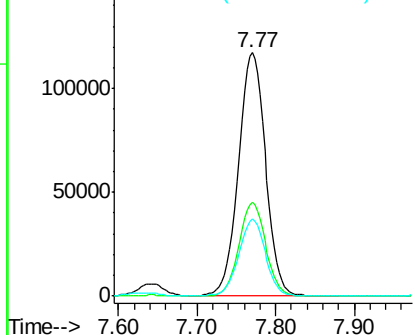


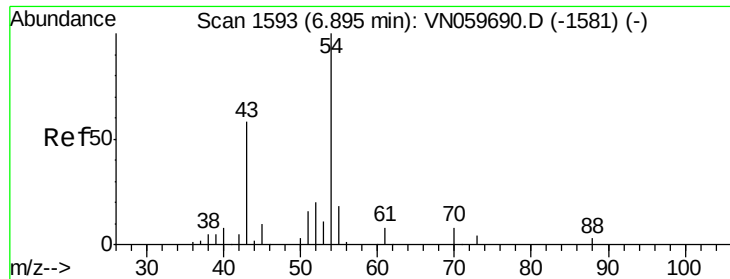
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





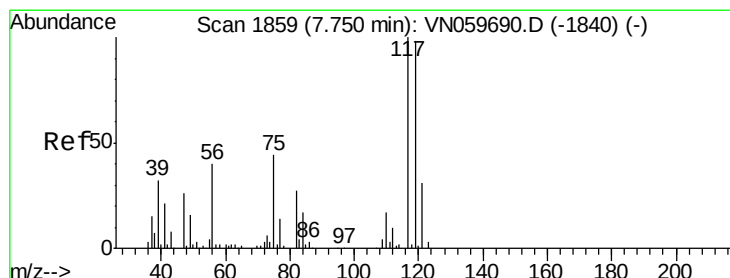
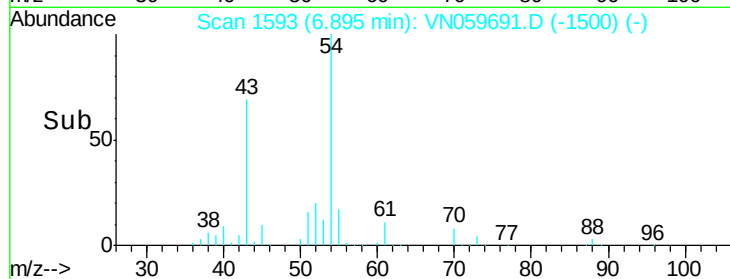
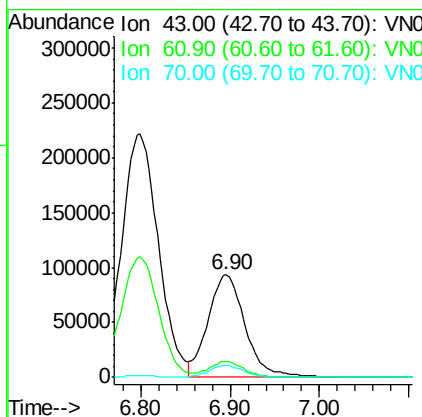
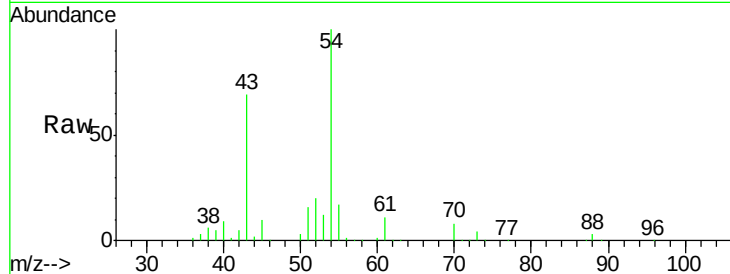
#37
Ethyl Acetate
Concen: 70.584 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN059691.D
Acq: 13 Jan 2020 15:16

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	10.9	16.3
70	11.0	7.7	11.5

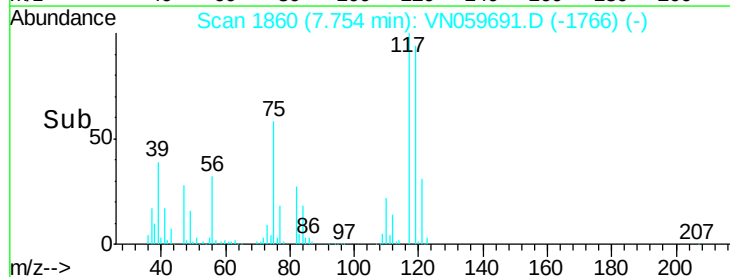
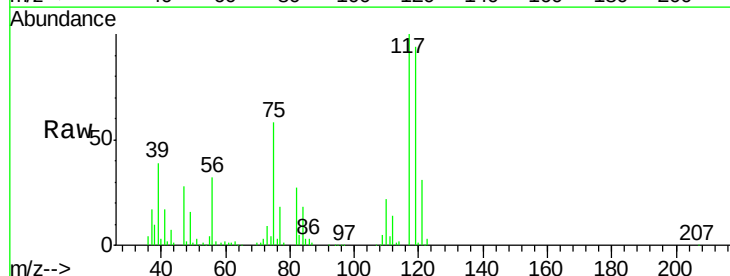
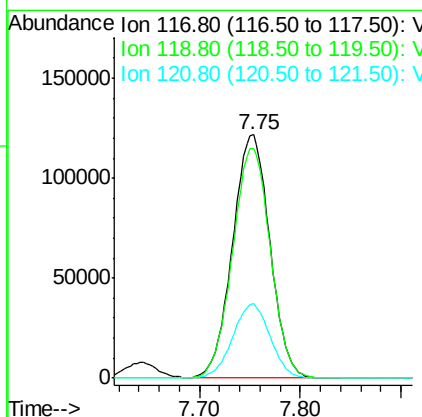
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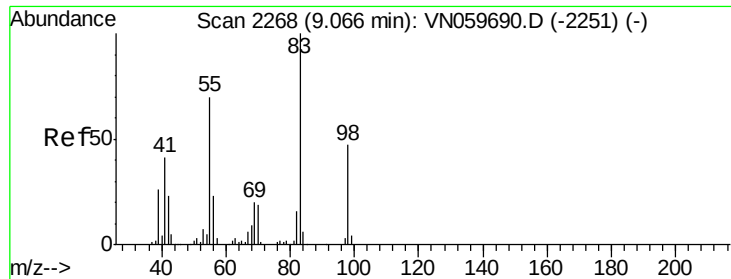
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#38
Carbon Tetrachloride
Concen: 92.929 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059691.D
Acq: 13 Jan 2020 15:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.4	76.5	114.7
121	30.6	25.1	37.7





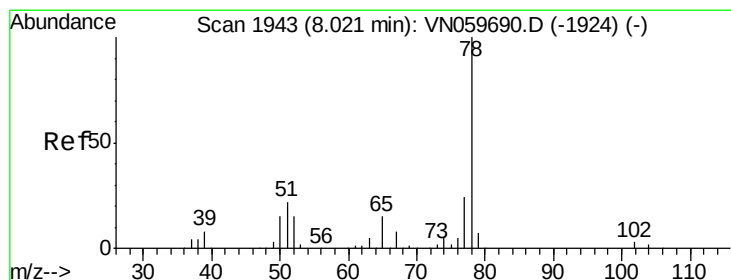
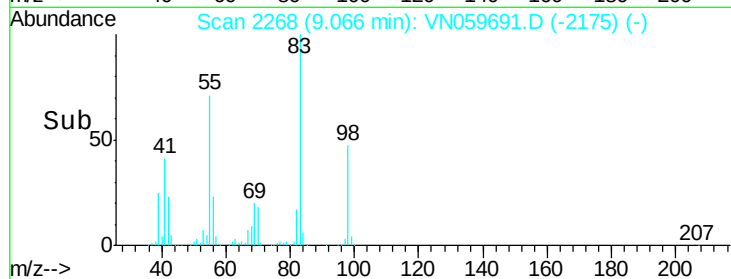
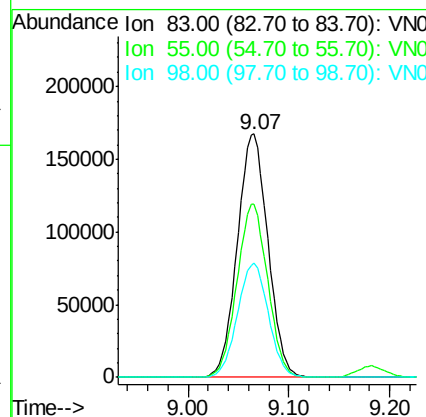
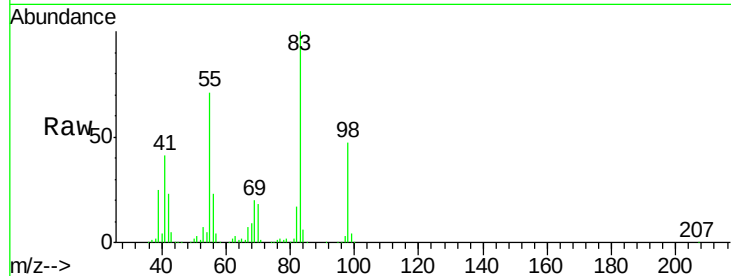
#39
Methylvlcyclohexane
Concen: 95.920 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN059691.D
Acq: 13 Jan 2020 15:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	71.1	64.2	96.2	
98	46.7	35.9	53.9	

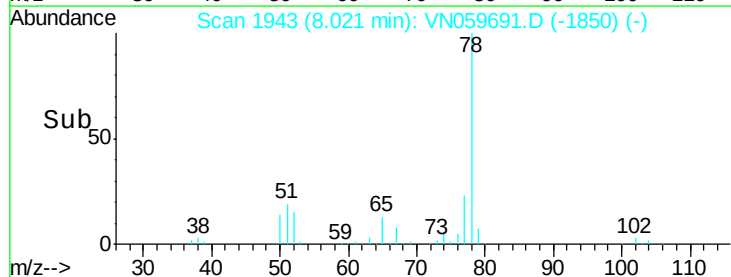
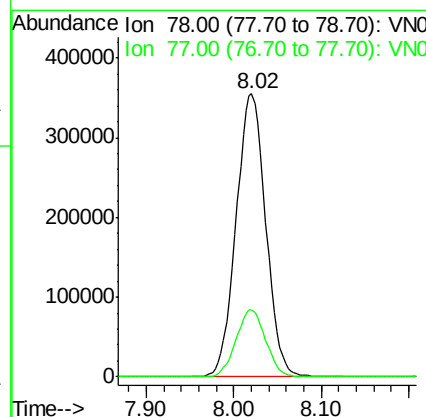
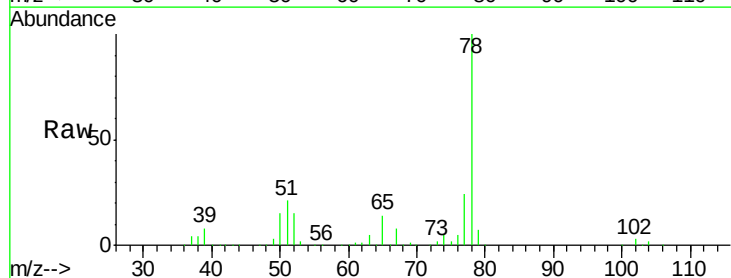
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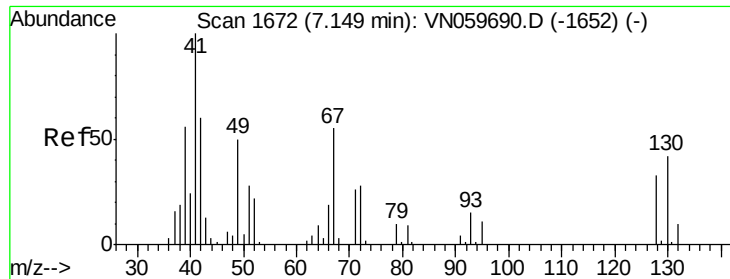
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#40
Benzene
Concen: 88.257 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059691.D
Acq: 13 Jan 2020 15:16

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.6	18.9	28.3	





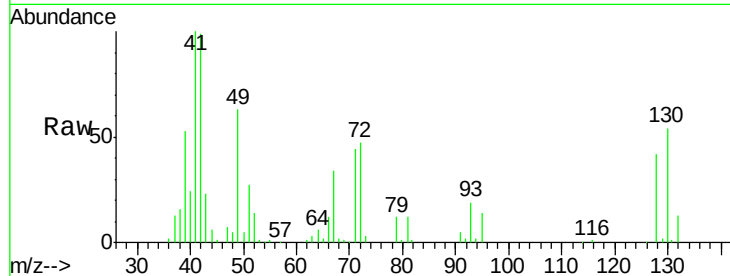
#41
Methacrylonitrile
Concen: 96.842 ug/l m
RT: 7.16 min Scan# 1674
Delta R.T. 0.01 min
Lab File: VN059691.D
Acq: 13 Jan 2020 15:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

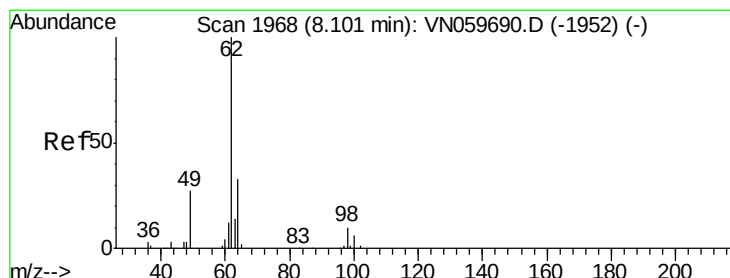
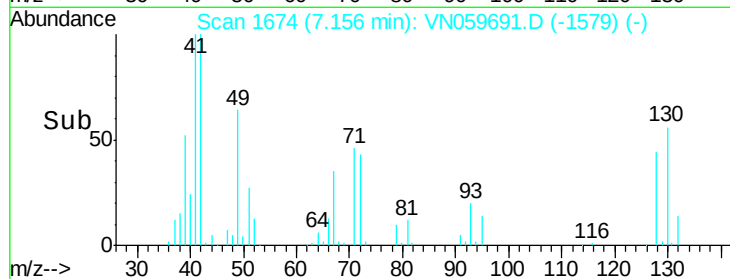
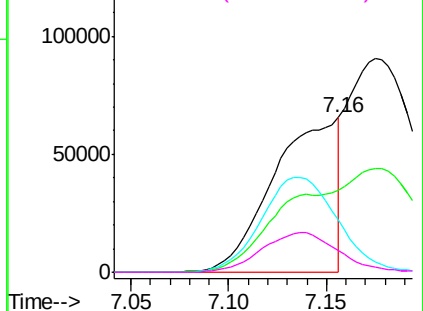
Tot Ion	Ratio	Resp	Lower	Upper
41	100			
39	131.0	0.0	0.0	#
67	0.0	0.0	0.0	
52	0.0	0.0	0.0	

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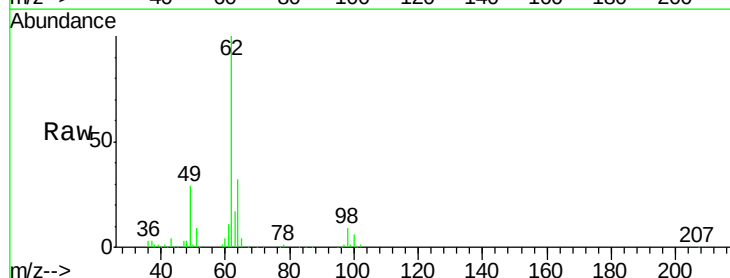


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

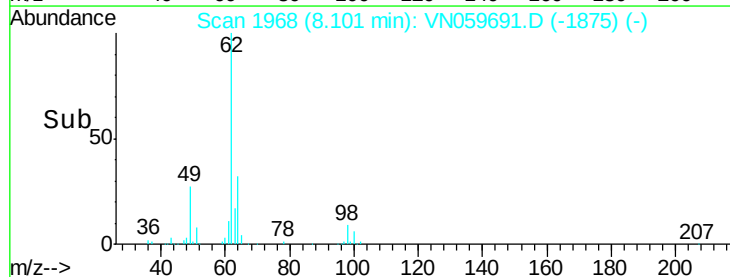
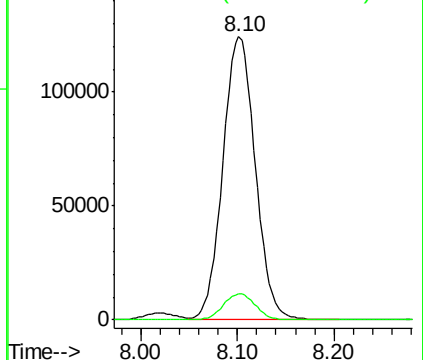


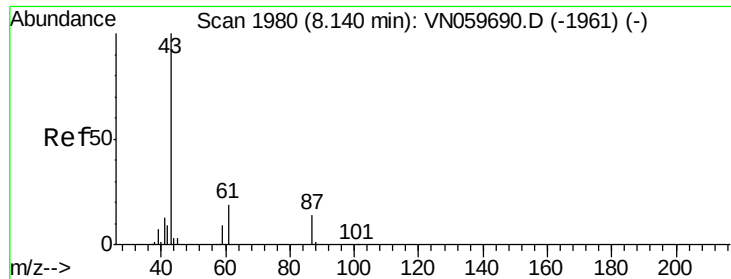
#42
1,2-Dichloroethane
Concen: 79.648 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN059691.D
Acq: 13 Jan 2020 15:16

Tgt Ion	Ratio	Resp	Lower	Upper
62	100			
98	9.2	0.0	15.8	



Abundance Ion 61.90 (61.60 to 62.60): VNC
Ion 97.90 (97.60 to 98.60): VNC





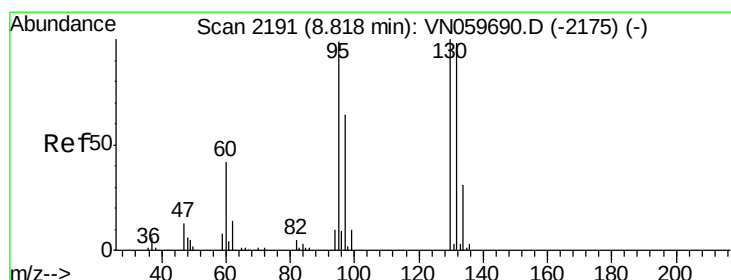
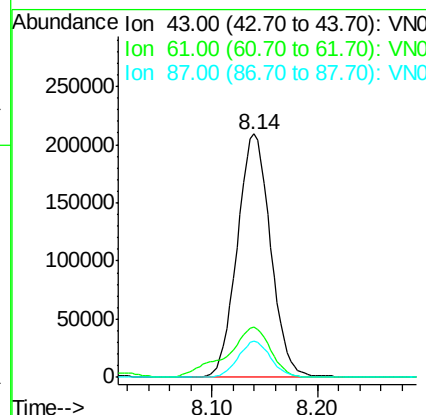
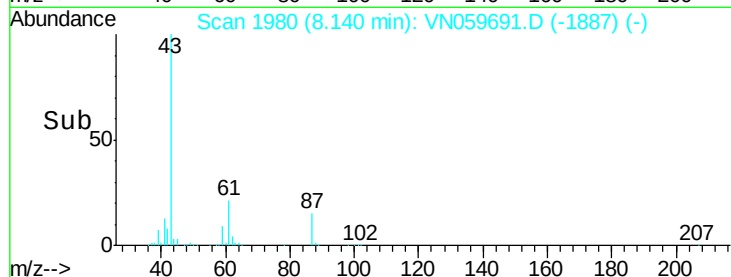
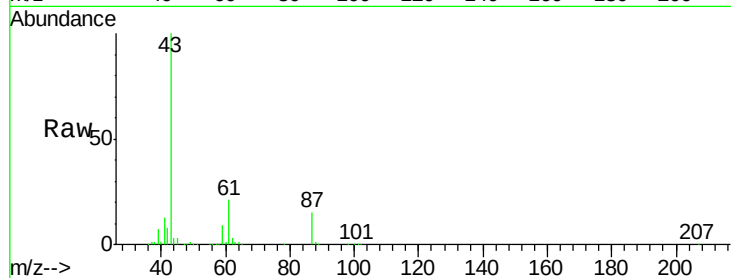
#43
Isopropyl Acetate
Concen: 78.231 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. 0.00 min
Lab File: VN059691.D
Acq: 13 Jan 2020 15:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.3	20.2	30.2
87	14.6	9.5	14.3

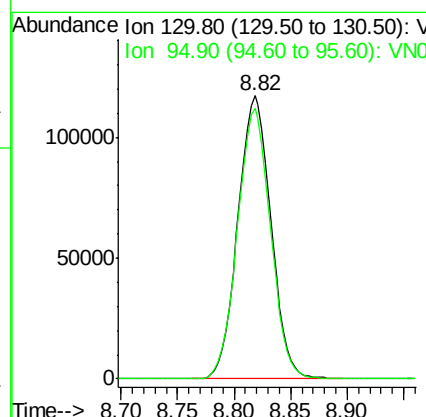
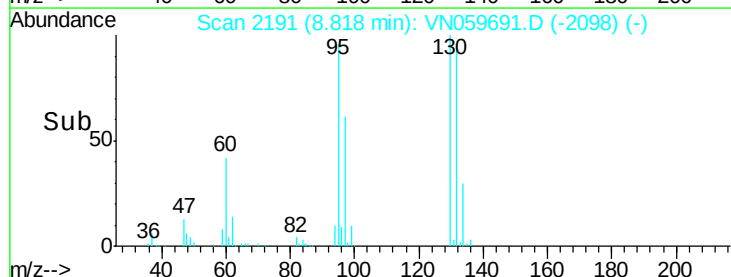
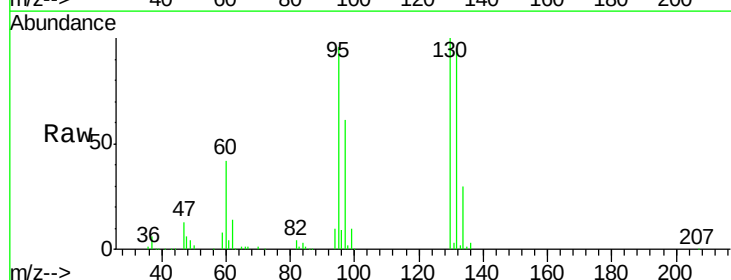
Manual Integrations
APPROVED

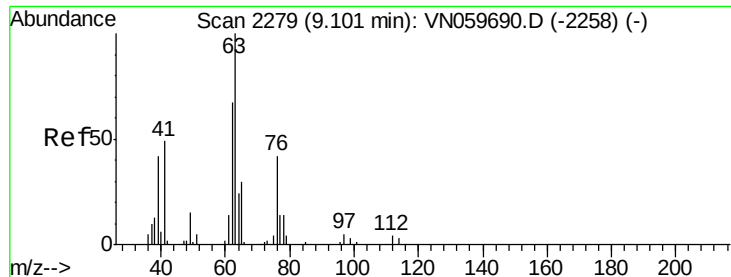
MMDadoda
1/14/2020 10:59:55 AM



#44
Trichloroethene
Concen: 96.527 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. 0.00 min
Lab File: VN059691.D
Acq: 13 Jan 2020 15:16

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.8	0.0	207.0





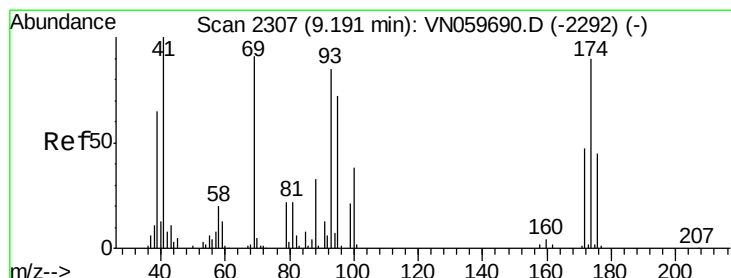
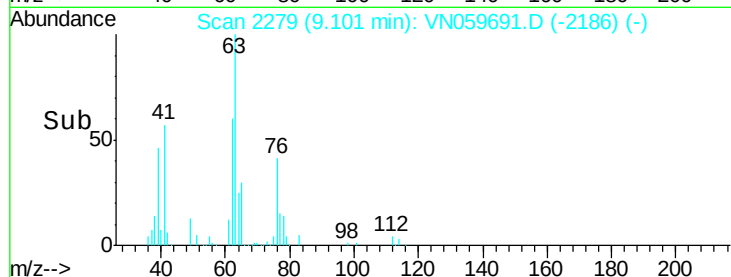
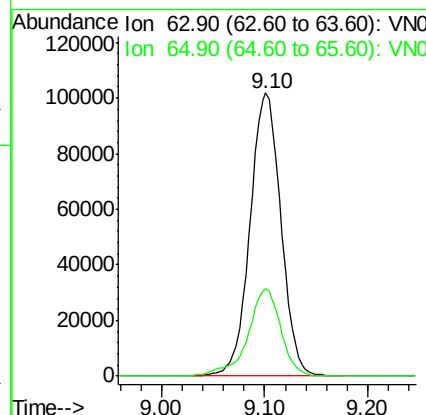
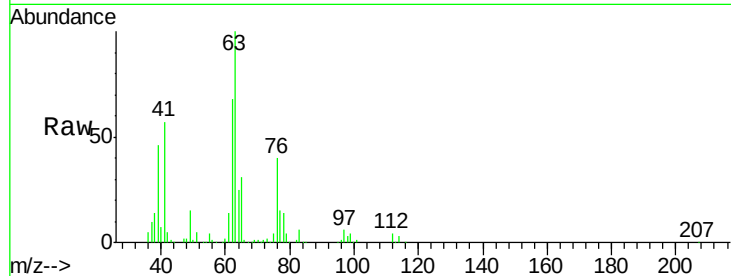
#45
 1,2-Dichloropropane
 Concen: 82.737 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN059691.D
 Acq: 13 Jan 2020 15:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.9	24.9	37.3

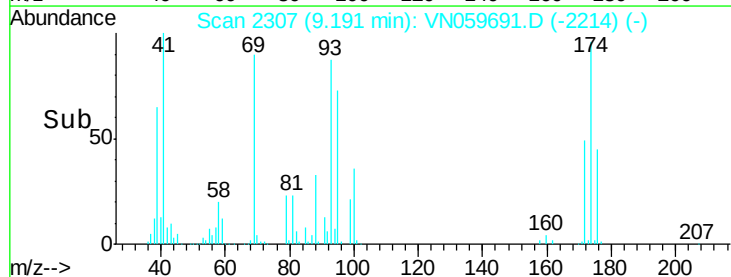
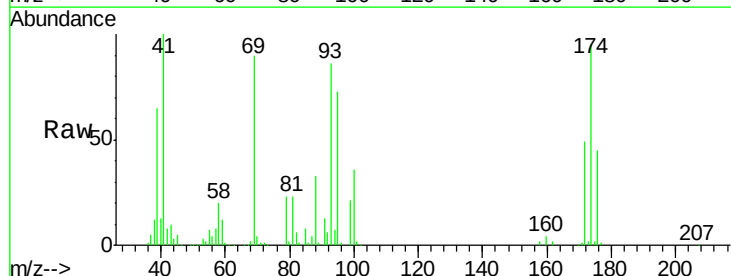
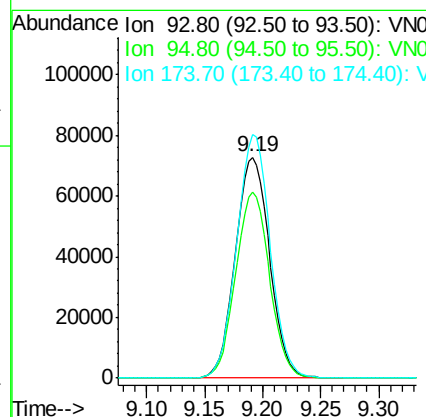
Manual Integrations
 APPROVED

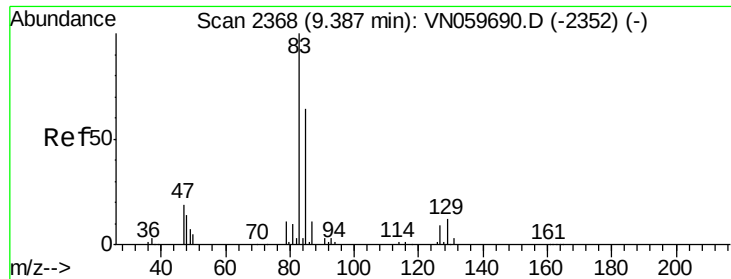
MMDadoda
 1/14/2020 10:59:55 AM



#46
 Dibromomethane
 Concen: 89.099 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN059691.D
 Acq: 13 Jan 2020 15:16

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.1	67.0	100.6
174	108.2	73.4	110.2





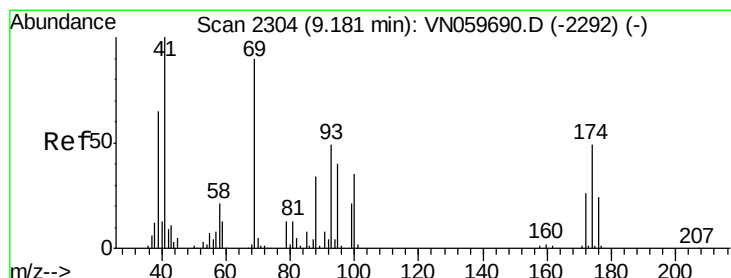
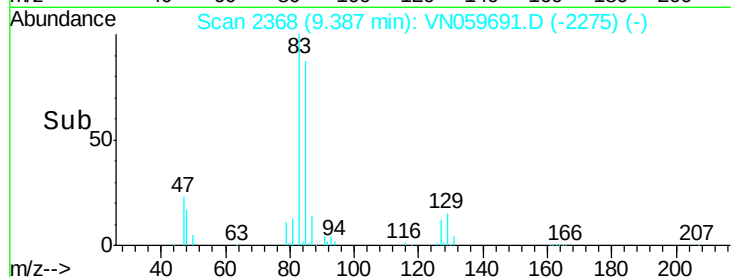
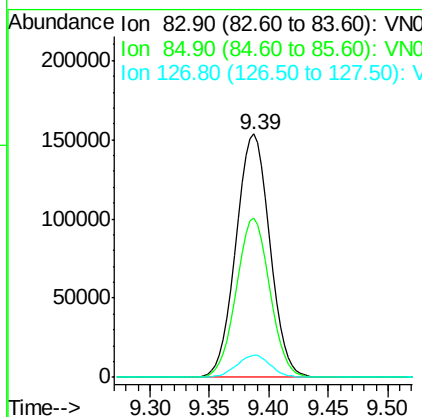
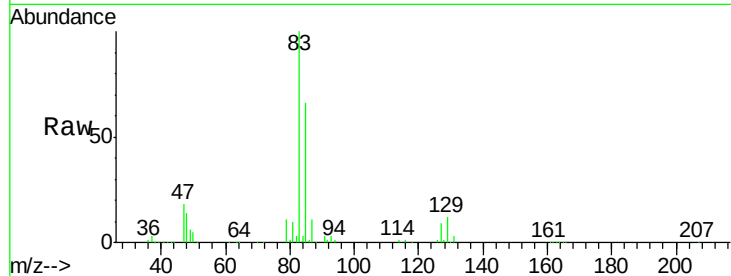
#47
Bromodichloromethane
Concen: 90.970 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN059691.D
Acq: 13 Jan 2020 15:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	83	Resp	303904
Ion Ratio	100		
85	65.6	51.1	76.7
127	9.1	6.6	9.8

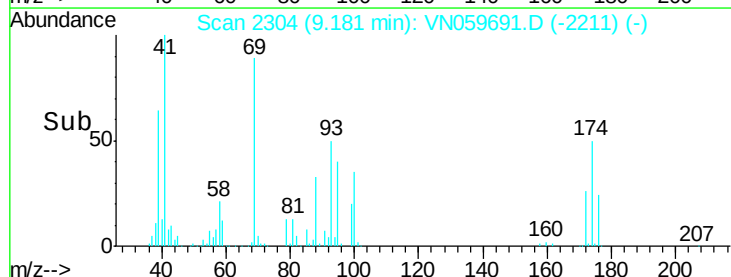
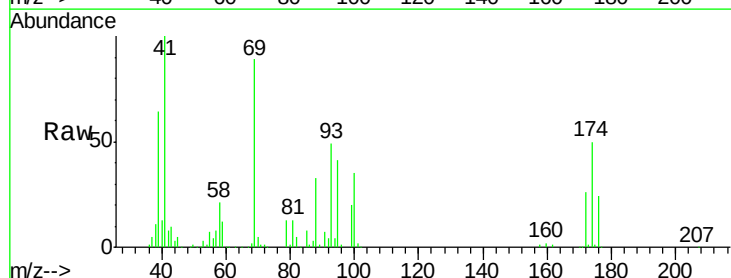
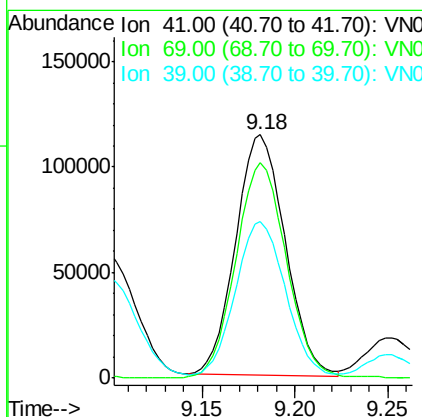
Manual Integrations
APPROVED

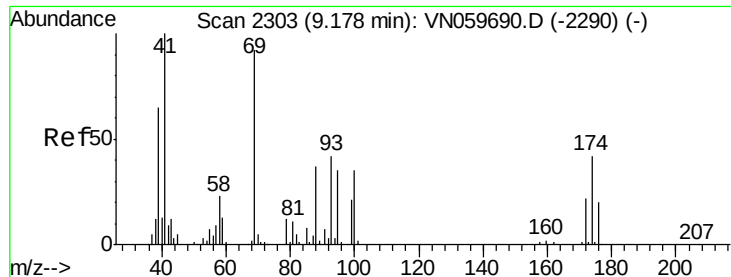
MMDadoda
1/14/2020 10:59:55 AM



#48
Methyl methacrylate
Concen: 80.126 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN059691.D
Acq: 13 Jan 2020 15:16

Tgt Ion	41	Resp	212894
Ion Ratio	100		
69	91.9	64.4	96.6
39	66.3	51.3	76.9





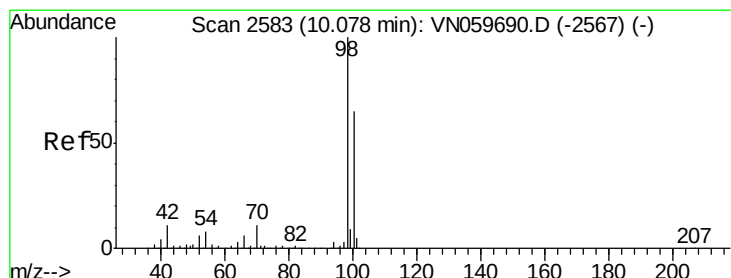
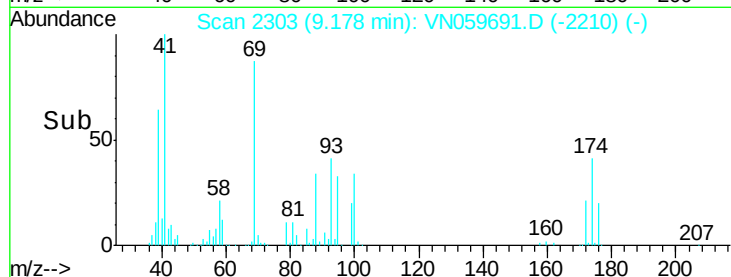
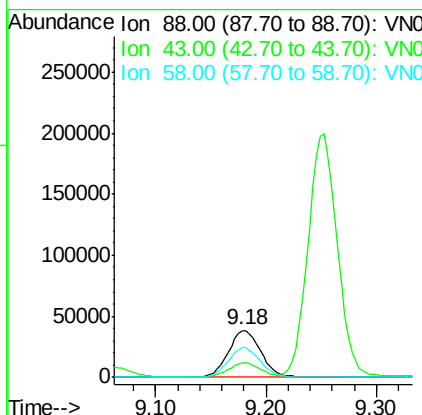
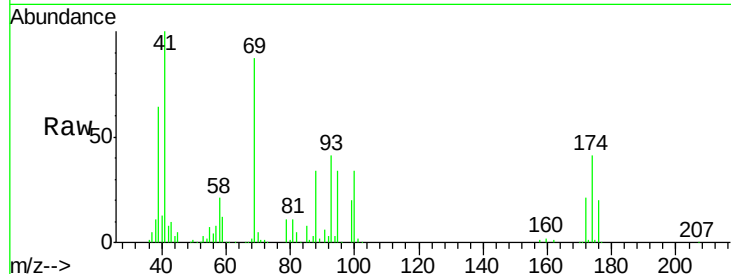
#49
1,4-Dioxane
Concen: 2061.745 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN059691.D
Acq: 13 Jan 2020 15:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	88	Resp	78504
Ion	Ratio	Lower	Upper
88	100		
43	29.7	29.7	44.5
58	62.8	56.6	85.0

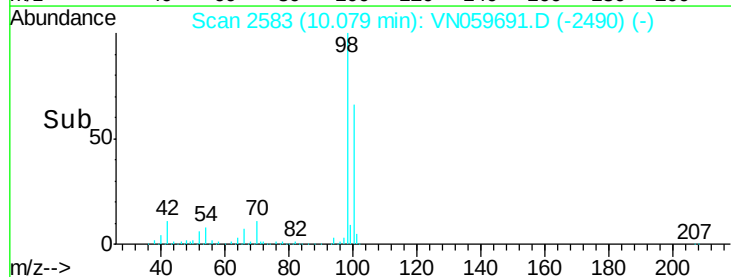
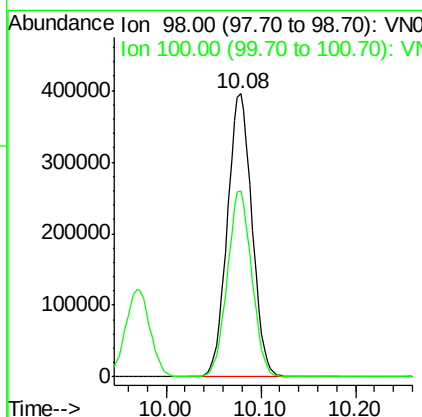
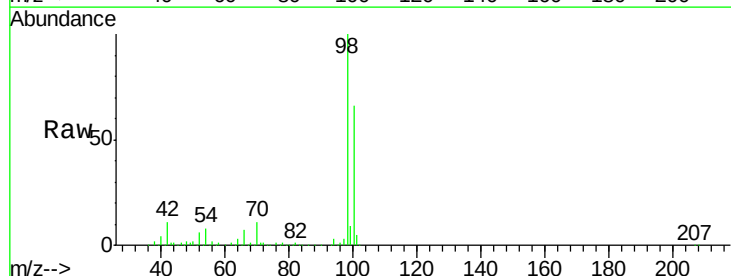
Manual Integrations
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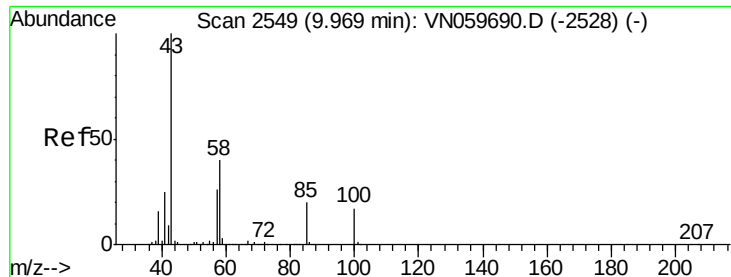
MMDadoda
1/14/2020 10:59:55 AM



#50
Toluene-d8
Concen: 92.833 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059691.D
Acq: 13 Jan 2020 15:16

Tgt Ion	98	Resp	714664
Ion	Ratio	Lower	Upper
98	100		
100	65.1	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 382.166 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN059691.D

Acq: 13 Jan 2020 15:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1334402

Ion Ratio Lower Upper

43 100

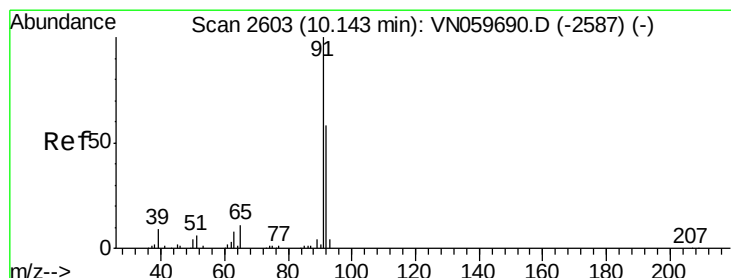
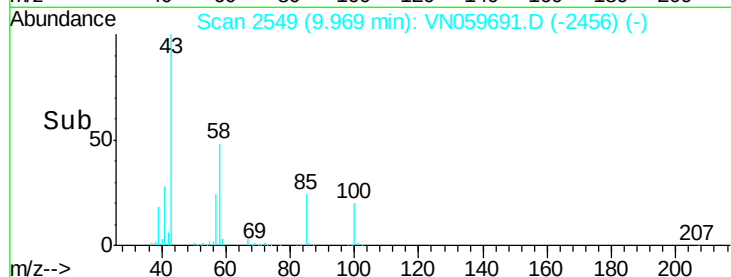
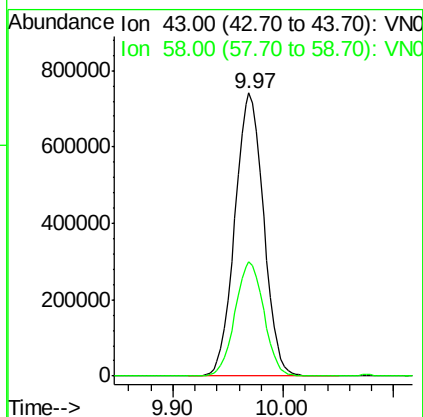
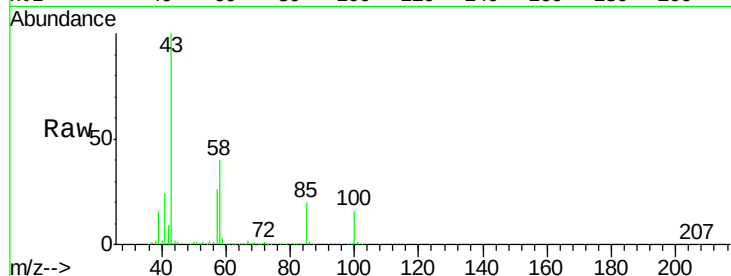
58 40.4 29.8 44.8

Manual Integrations

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MMDadoda

1/14/2020 10:59:55 AM



#52

Toluene

Concen: 94.219 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN059691.D

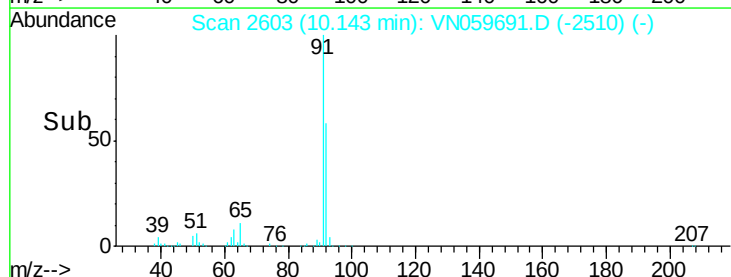
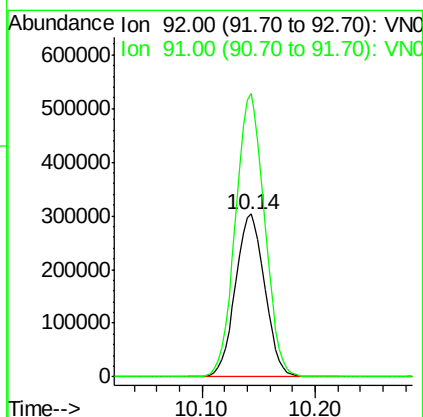
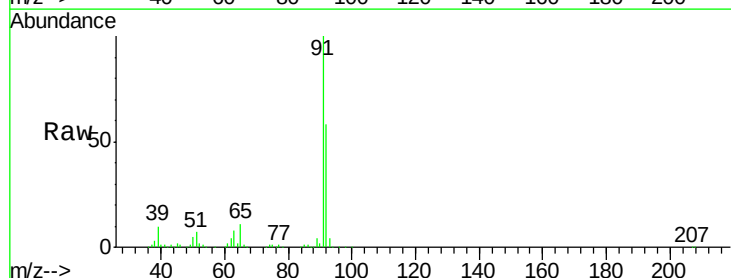
Acq: 13 Jan 2020 15:16

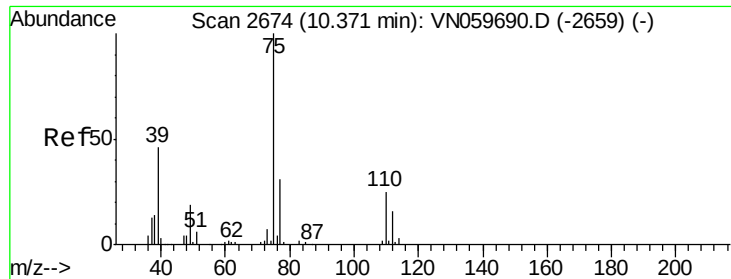
Tgt Ion: 92 Resp: 548295

Ion Ratio Lower Upper

92 100

91 172.8 140.4 210.6





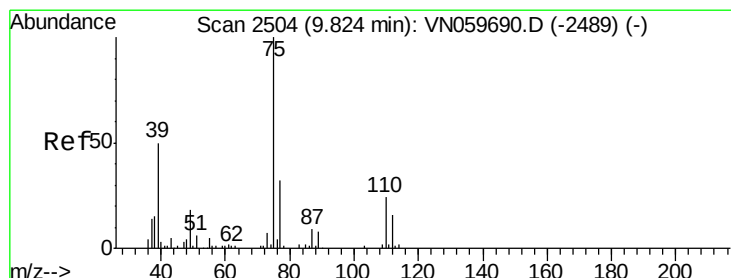
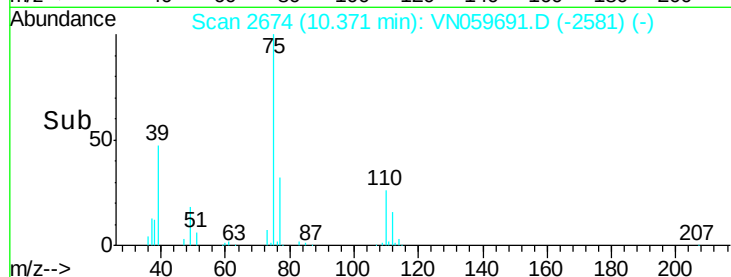
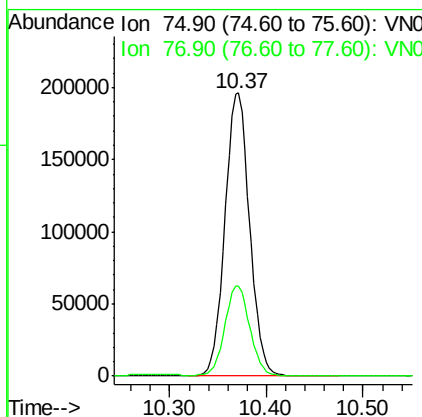
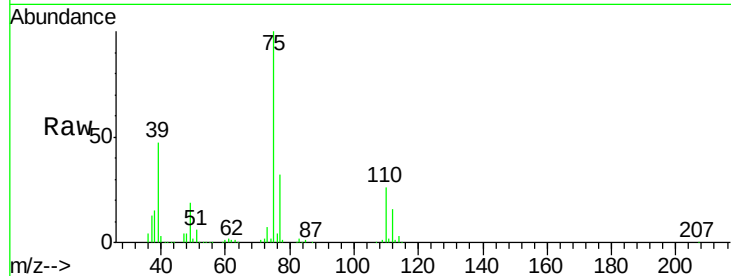
#53
t-1,3-Dichloropropene
Concen: 89.803 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. 0.00 min
Lab File: VN059691.D
Acq: 13 Jan 2020 15:16

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion: 75 Resp: 346961
Ion Ratio Lower Upper
75 100
77 31.6 25.4 38.2

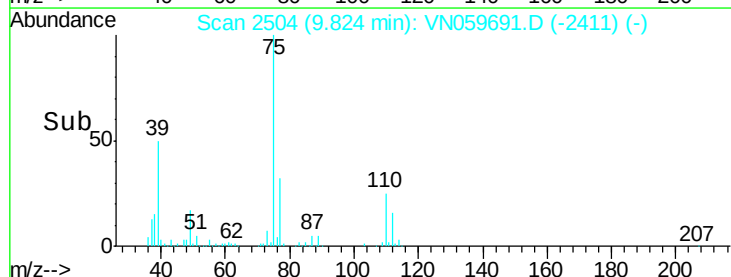
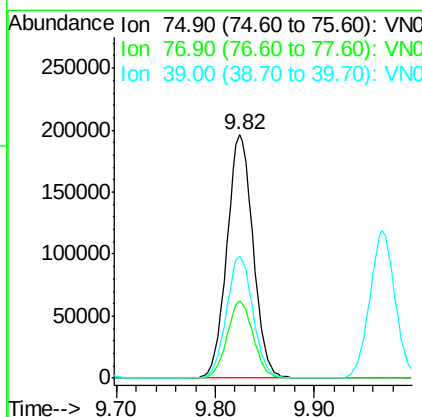
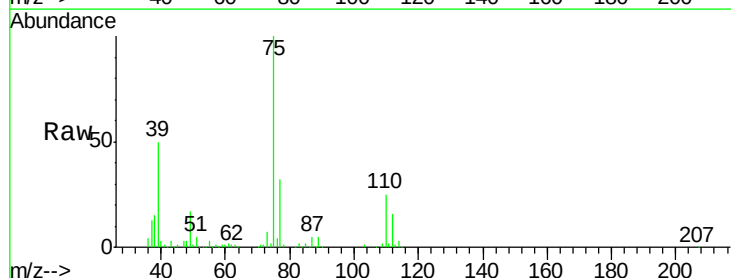
Manual Integrations
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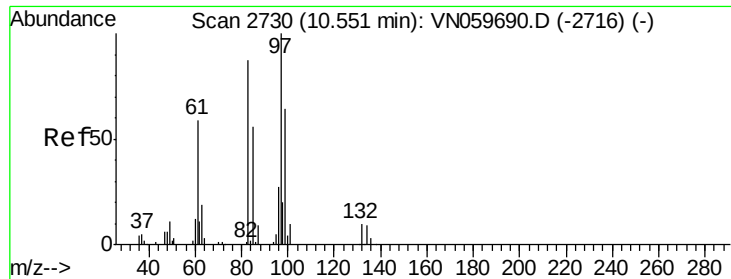
MMDadoda
1/14/2020 10:59:55 AM



#54
cis-1,3-Dichloropropene
Concen: 89.422 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN059691.D
Acq: 13 Jan 2020 15:16

Tgt Ion: 75 Resp: 363165
Ion Ratio Lower Upper
75 100
77 31.6 25.1 37.7
39 50.1 46.1 69.1





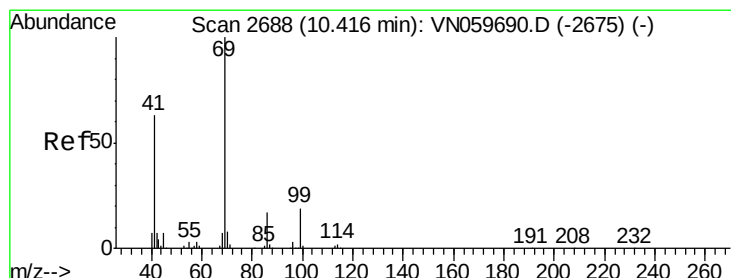
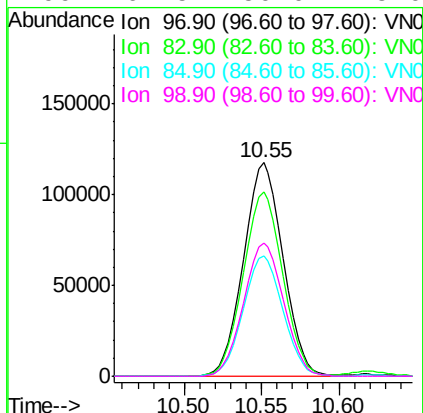
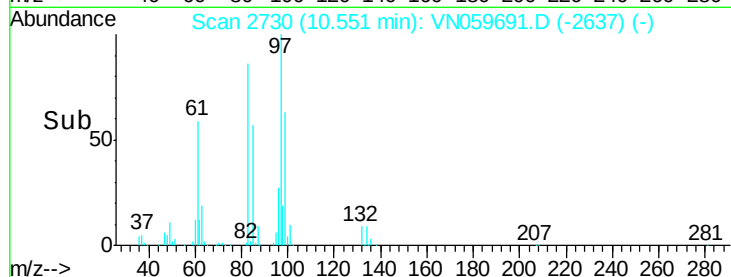
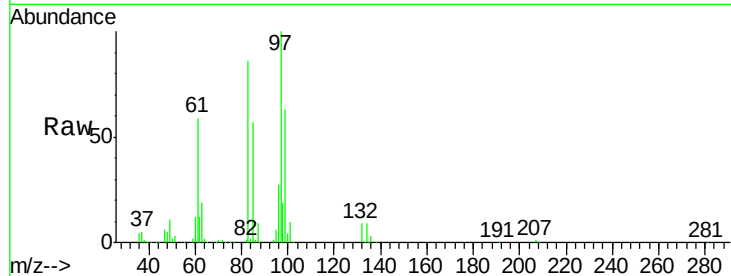
#55
 1,1,2-Trichloroethane
 Concen: 91.792 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN059691.D
 Acq: 13 Jan 2020 15:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:	97	Resp:	209612
Ion	Ratio	Lower	Upper
97	100		
83	86.3	71.3	106.9
85	56.5	45.8	68.8
99	62.5	50.0	75.0

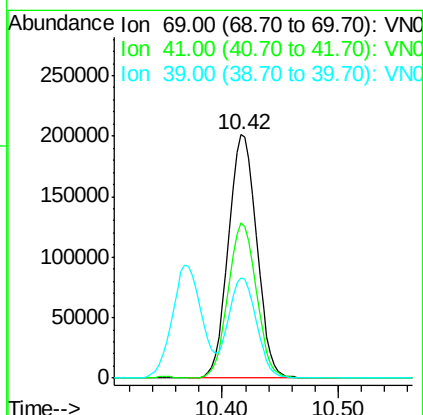
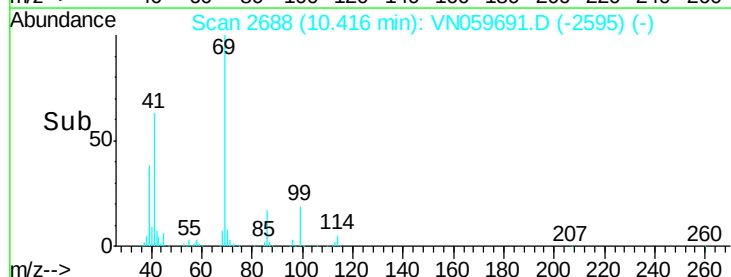
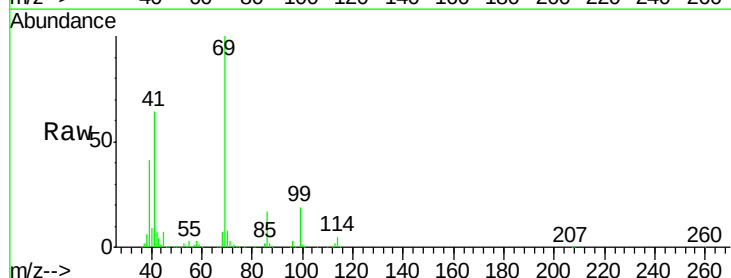
Manual Integrations
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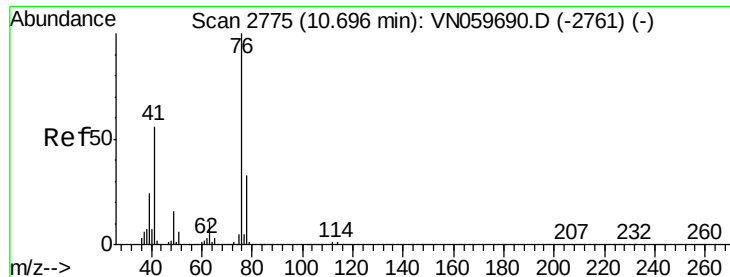
MMDadoda
 1/14/2020 10:59:55 AM



#56
 Ethyl methacrylate
 Concen: 100.021 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN059691.D
 Acq: 13 Jan 2020 15:16

Tgt Ion:	69	Resp:	339073
Ion	Ratio	Lower	Upper
69	100		
41	63.0	57.1	85.7
39	41.0	34.7	52.1





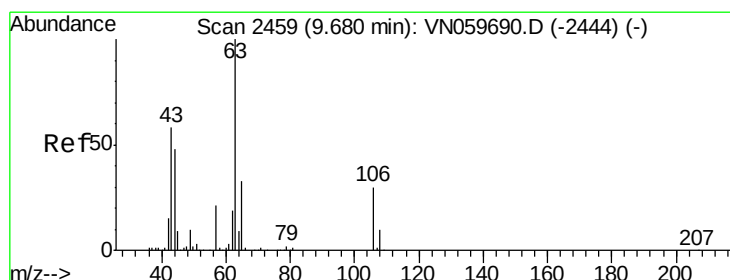
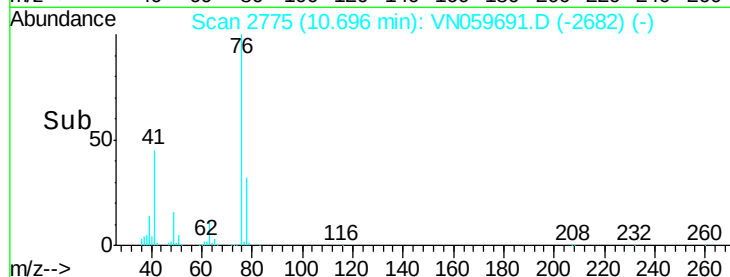
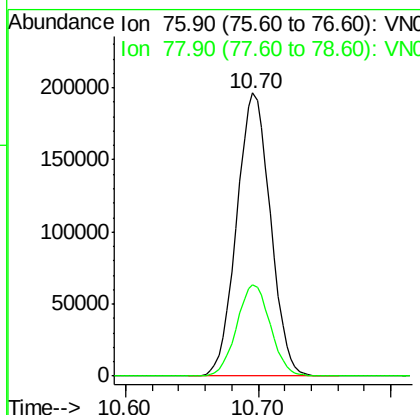
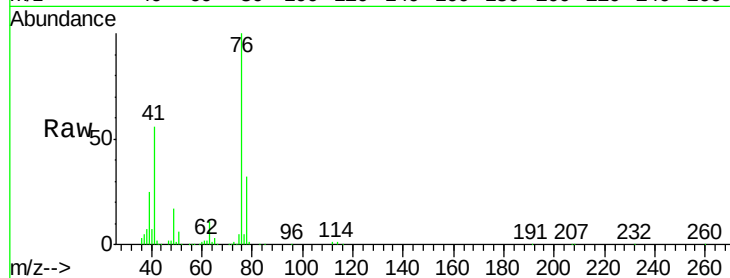
#57
 1,3-Dichloropropane
 Concen: 87.456 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN059691.D
 Acq: 13 Jan 2020 15:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.8

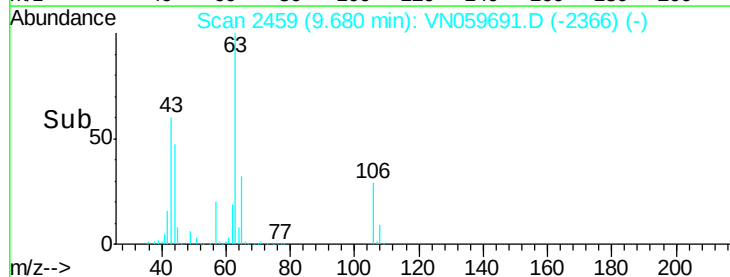
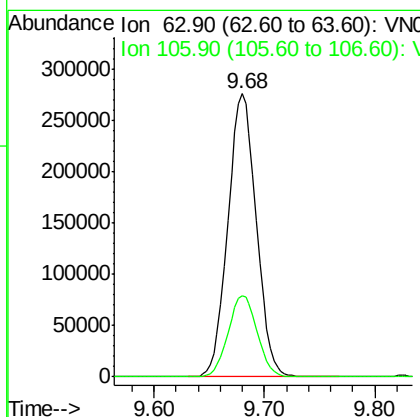
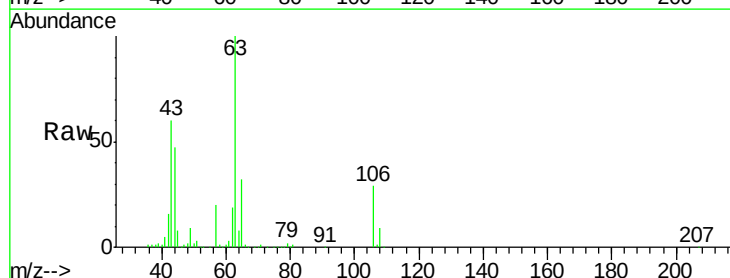
Manual Integrations
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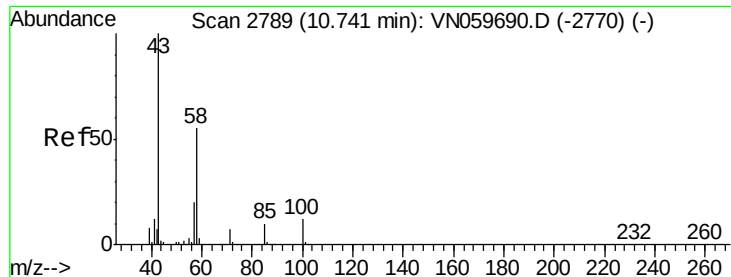
MMDadoda
 1/14/2020 10:59:55 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 457.189 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. 0.00 min
 Lab File: VN059691.D
 Acq: 13 Jan 2020 15:16

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.3	20.2	30.2





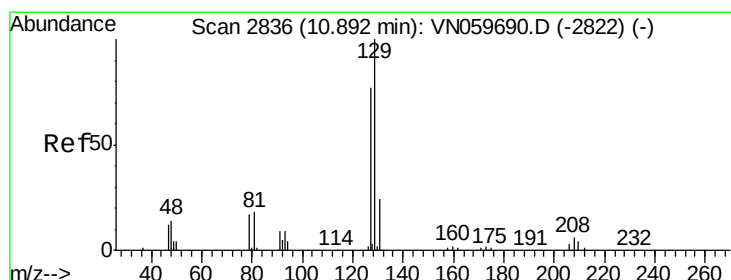
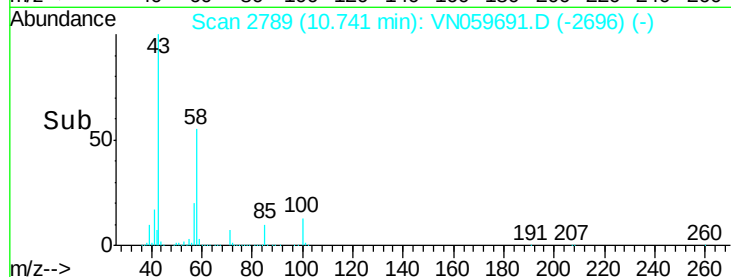
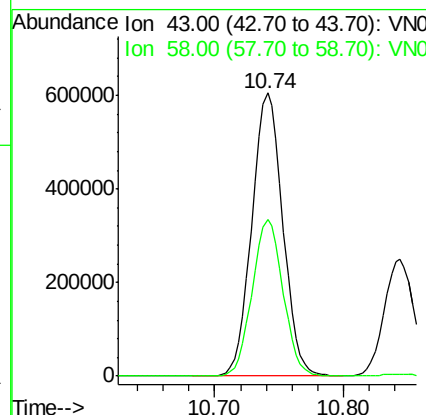
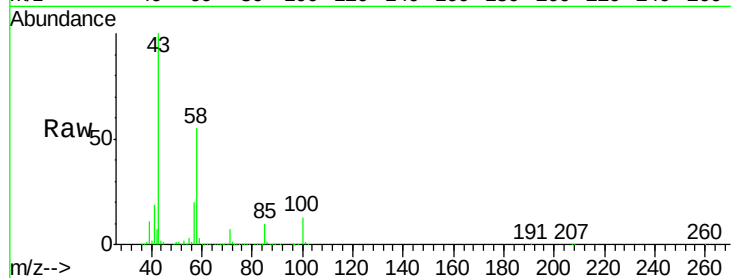
#59
2-Hexanone
Concen: 367.285 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN059691.D
Acq: 13 Jan 2020 15:16

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion: 43 Resp: 1010734
Ion Ratio Lower Upper
43 100
58 55.3 25.8 77.3

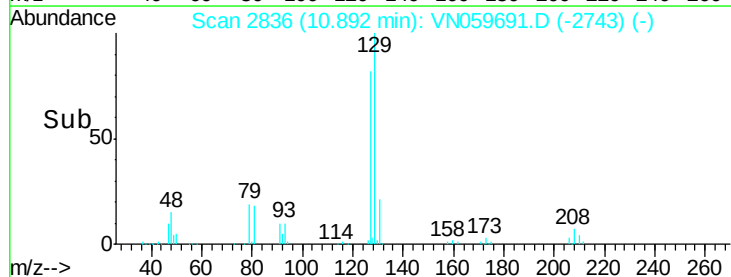
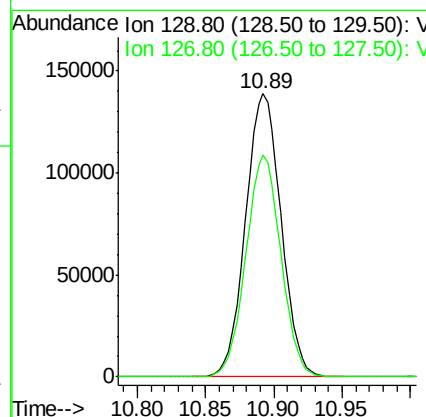
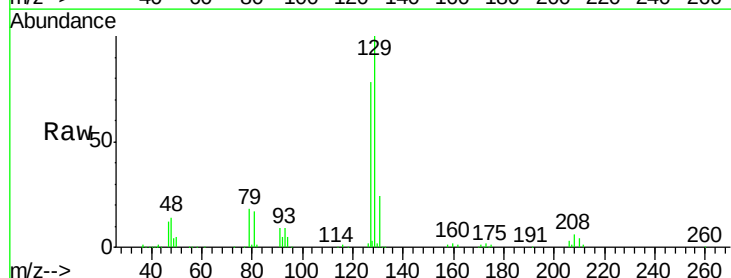
Manual Integrations
APPROVED

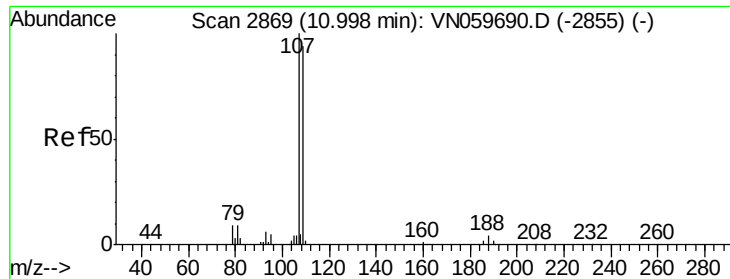
MMDadoda
1/14/2020 10:59:55 AM



#60
Dibromochloromethane
Concen: 100.600 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN059691.D
Acq: 13 Jan 2020 15:16

Tgt Ion: 129 Resp: 250725
Ion Ratio Lower Upper
129 100
127 77.3 38.5 115.5





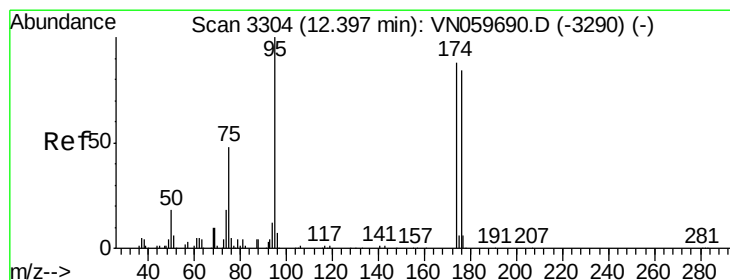
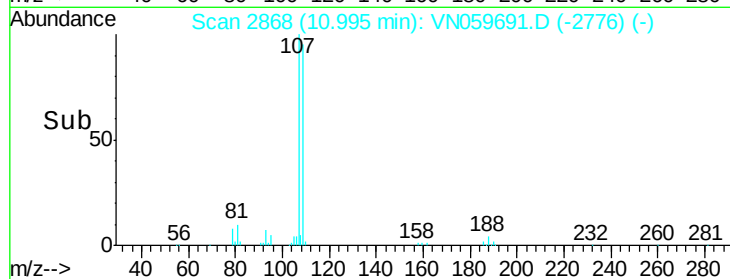
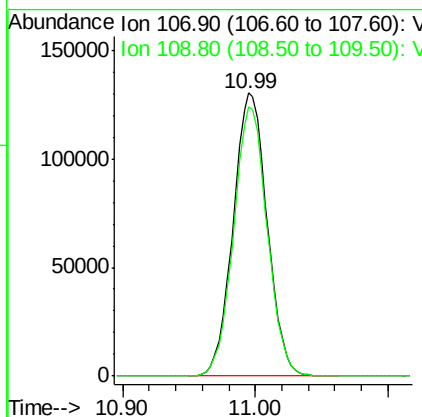
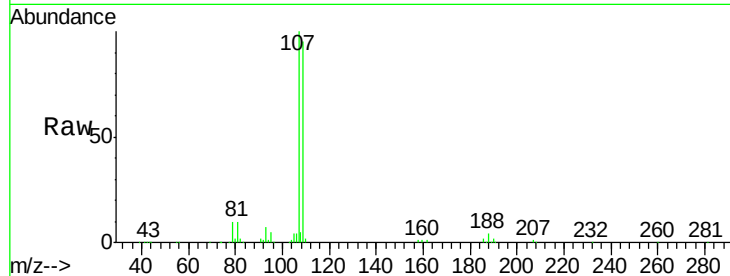
#61
 1,2-Dibromoethane
 Concen: 95.538 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN059691.D
 Acq: 13 Jan 2020 15:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 107 Resp: 231376
 Ion Ratio Lower Upper
 107 100
 109 94.3 76.6 115.0

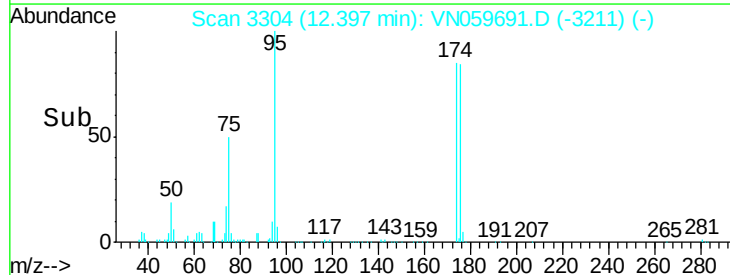
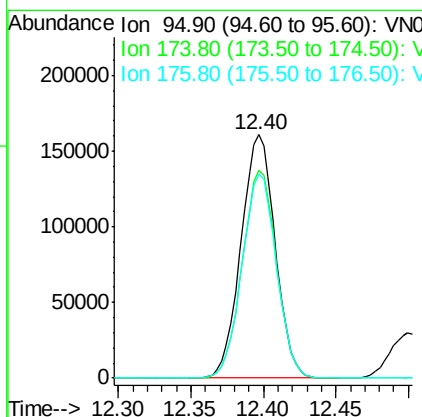
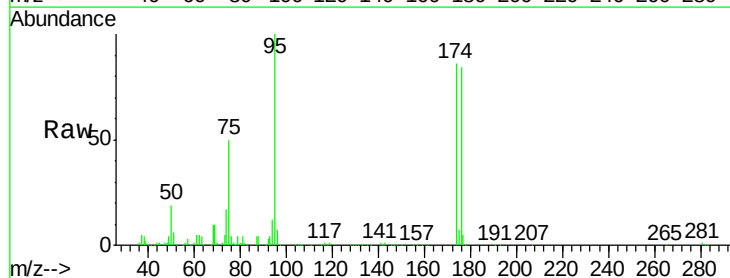
Manual Integrations
 APPROVED

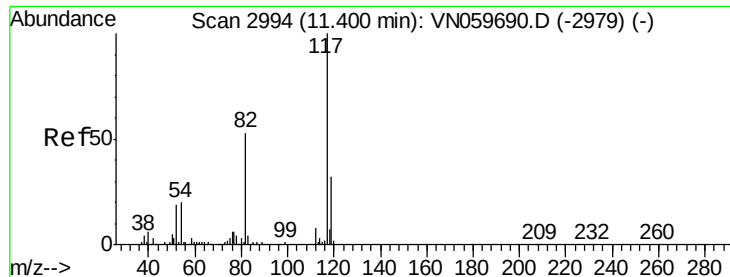
MMDadoda
 1/14/2020 10:59:55 AM



#62
 4-Bromofluorobenzene
 Concen: 93.863 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN059691.D
 Acq: 13 Jan 2020 15:16

Tgt Ion: 95 Resp: 263668
 Ion Ratio Lower Upper
 95 100
 174 85.8 0.0 151.4
 176 84.5 0.0 146.0





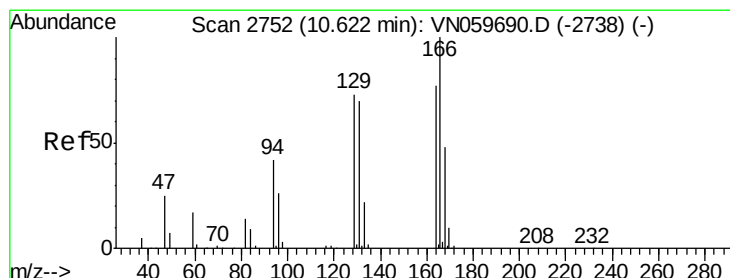
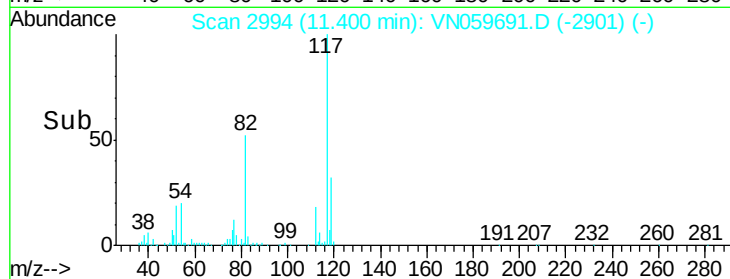
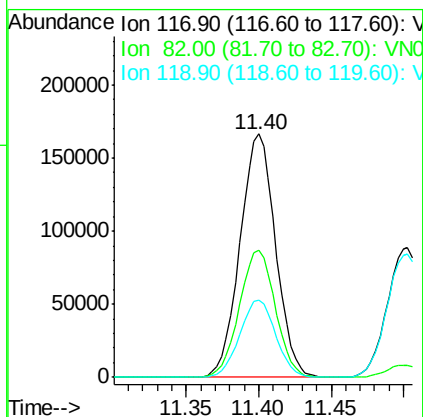
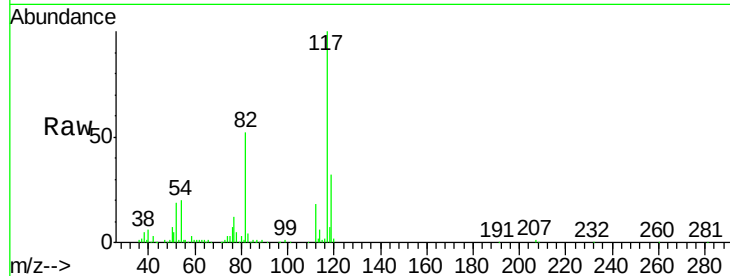
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059691.D
Acq: 13 Jan 2020 15:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
117	100	283796		
82	52.4		45.9	68.9
119	32.0		25.5	38.3

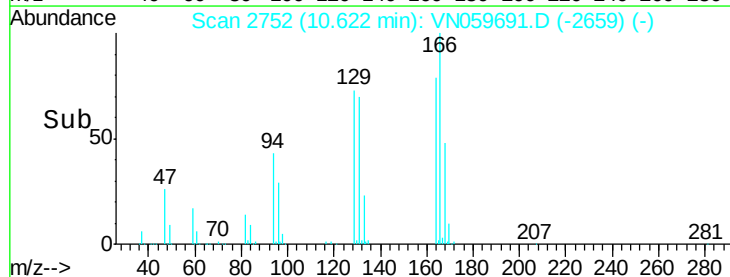
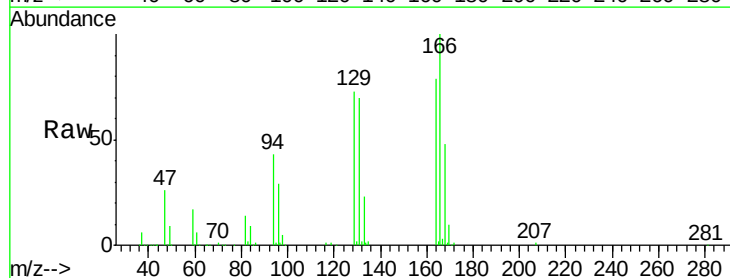
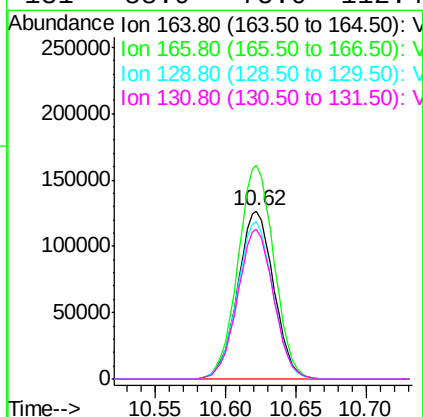
Manual Integrations
APPROVED

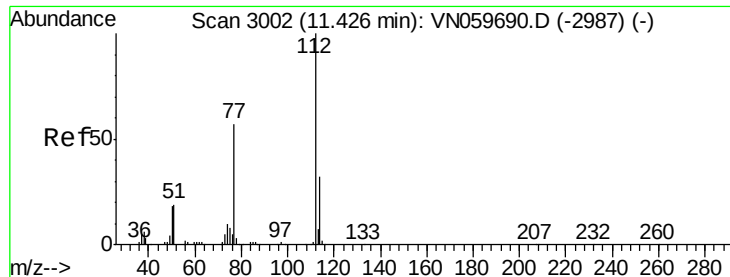
MMDadoda
1/14/2020 10:59:55 AM



#64
Tetrachloroethene
Concen: 85.306 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN059691.D
Acq: 13 Jan 2020 15:16

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	225682		
166	127.0		101.4	152.0
129	93.2		80.2	120.4
131	88.9		75.0	112.4





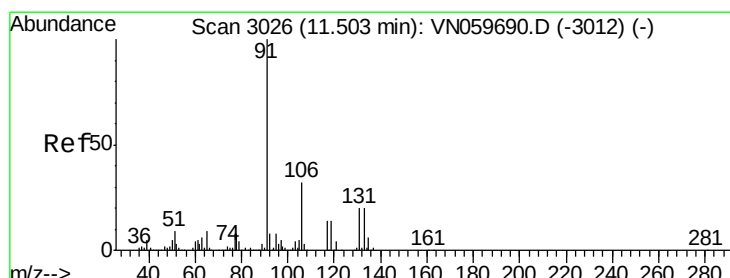
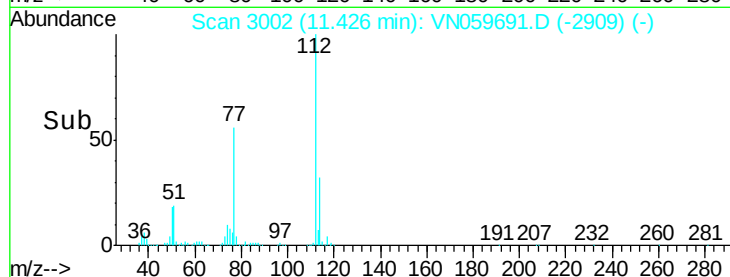
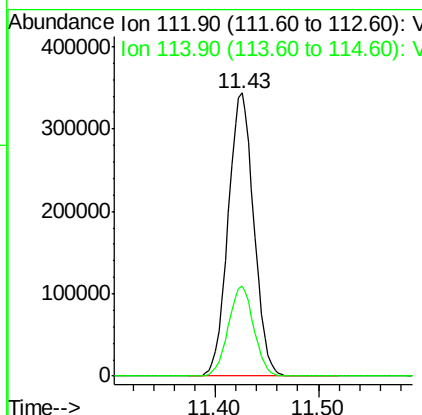
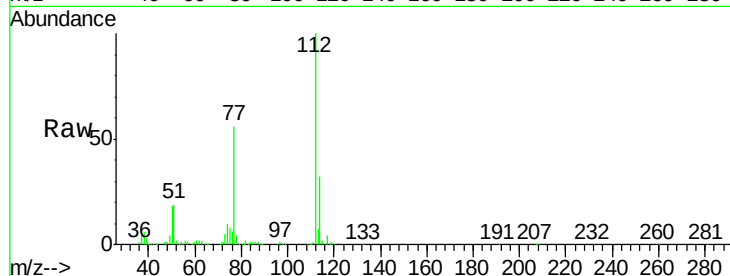
#65
Chlorobenzene
Concen: 96.872 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN059691.D
Acq: 13 Jan 2020 15:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.8	38.8

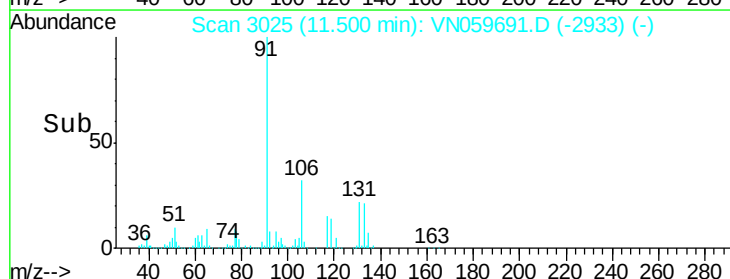
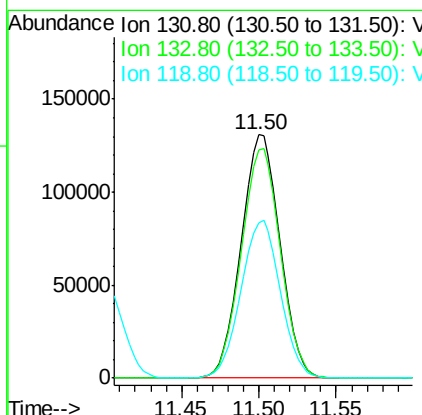
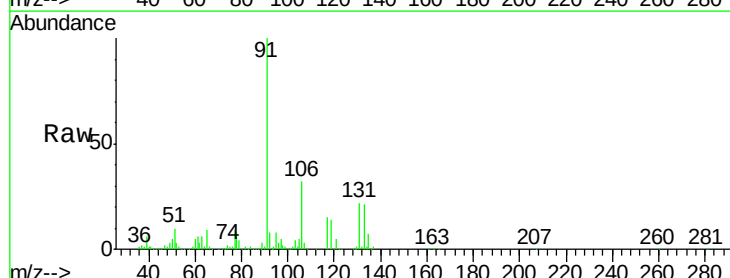
Manual Integrations
APPROVED

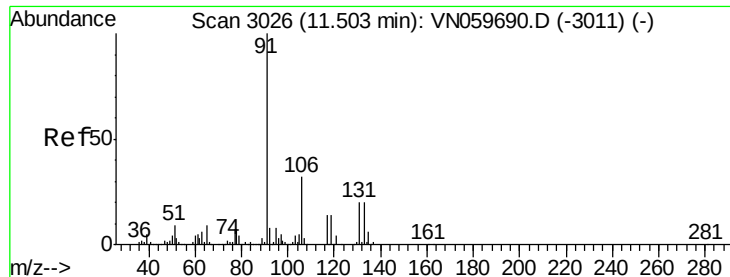
MMDadoda
1/14/2020 10:59:55 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 98.092 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN059691.D
Acq: 13 Jan 2020 15:16

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.2	47.4	142.2
119	65.6	33.1	99.3





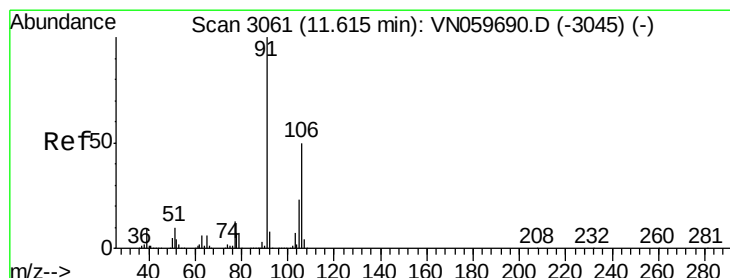
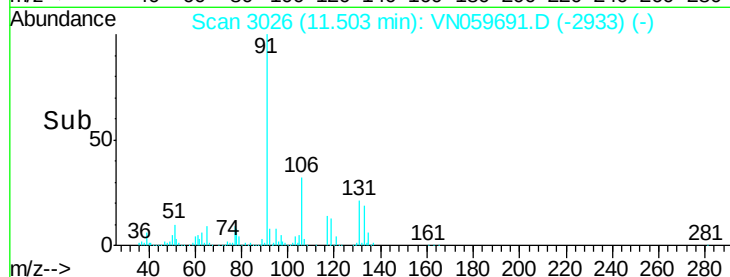
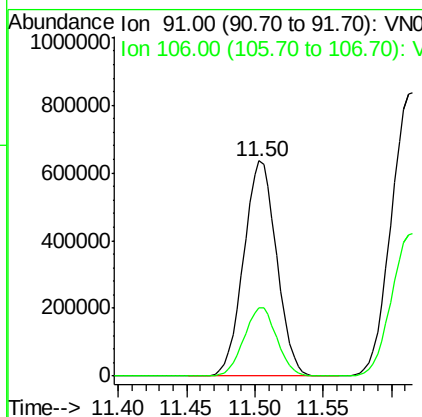
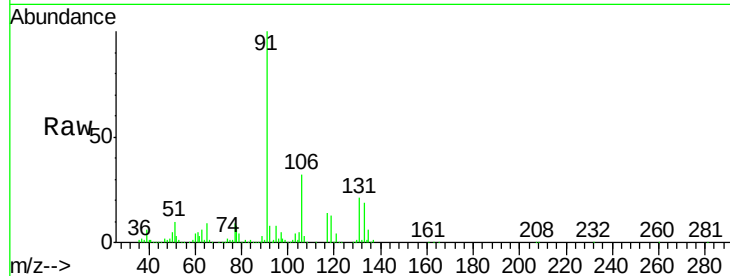
#67
Ethyl Benzene
Concen: 96.102 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN059691.D
Acq: 13 Jan 2020 15:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1065214
Ion Ratio Lower Upper
91 100
106 32.0 24.1 36.1

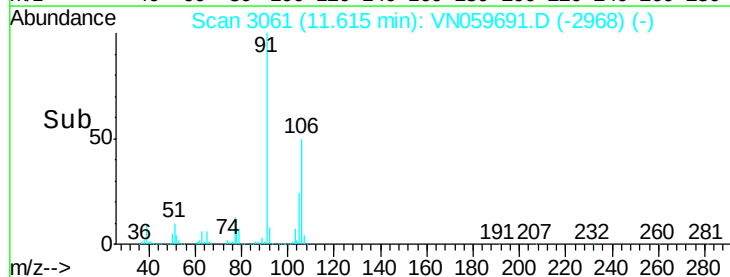
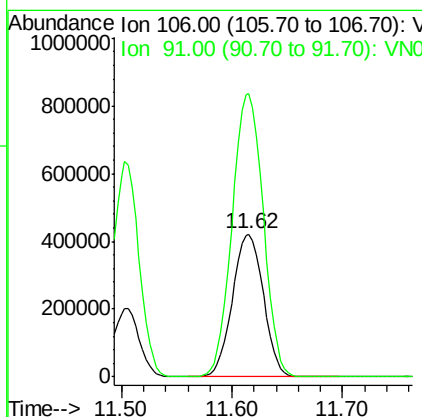
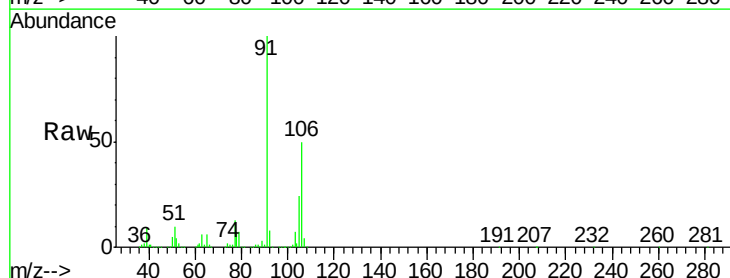
Manual Integrations
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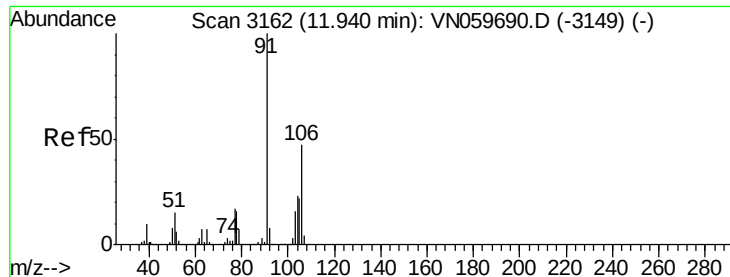
MMDadoda
1/14/2020 10:59:55 AM



#68
m/p-Xylenes
Concen: 199.632 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN059691.D
Acq: 13 Jan 2020 15:16

Tgt Ion: 106 Resp: 817099
Ion Ratio Lower Upper
106 100
91 199.8 167.9 251.9





#69

o-Xylene

Concen: 100.569 ug/l

RT: 11.94 min Scan# 3162

Delta R.T. 0.00 min

Lab File: VN059691.D

Acq: 13 Jan 2020 15:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:106 Resp: 391668

Ion Ratio Lower Upper

106 100

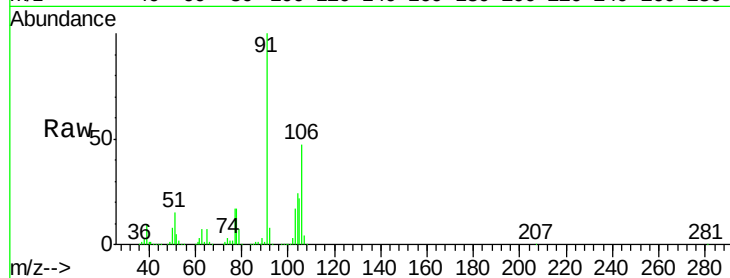
91 214.2 110.3 330.9

Manual Integrations

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

600000

500000

400000

300000

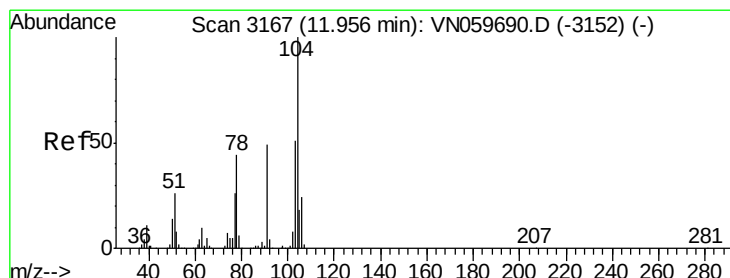
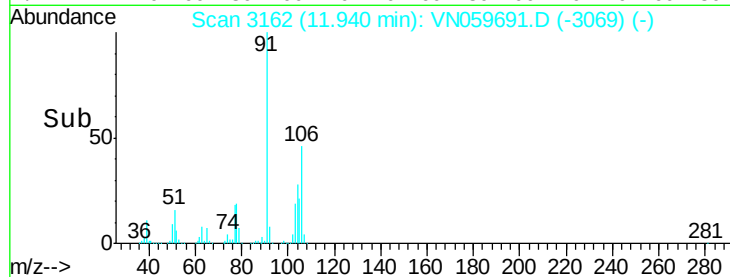
200000

100000

0

11.94

Time--> 11.85 11.90 11.95 12.00



#70

Styrene

Concen: 109.296 ug/l

RT: 11.96 min Scan# 3167

Delta R.T. 0.00 min

Lab File: VN059691.D

Acq: 13 Jan 2020 15:16

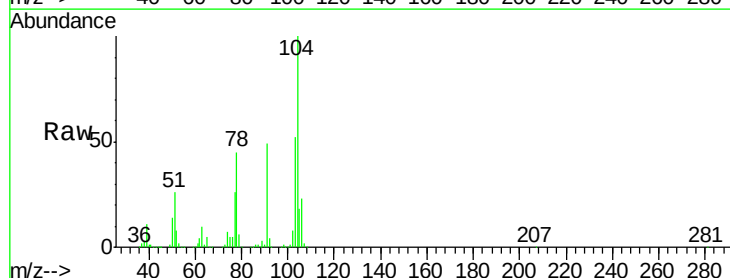
Tgt Ion:104 Resp: 683897

Ion Ratio Lower Upper

104 100

78 49.3 42.4 63.6

103 55.2 43.9 65.9



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V

500000

400000

300000

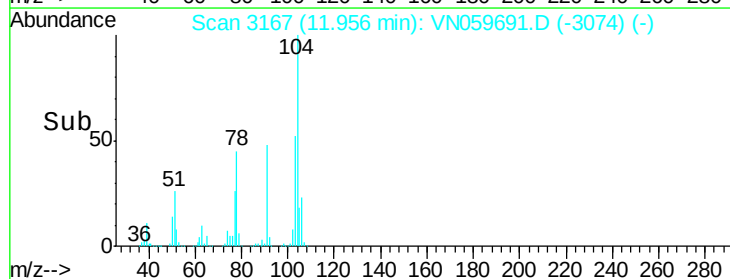
200000

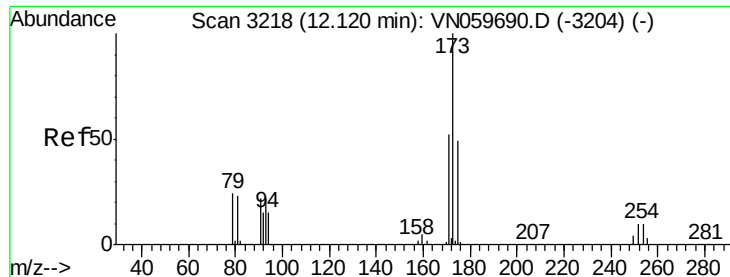
100000

0

11.96

Time--> 11.90 12.00





#71

Bromoform

Concen: 111.087 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN059691.D

Acq: 13 Jan 2020 15:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 194767

Ion Ratio Lower Upper

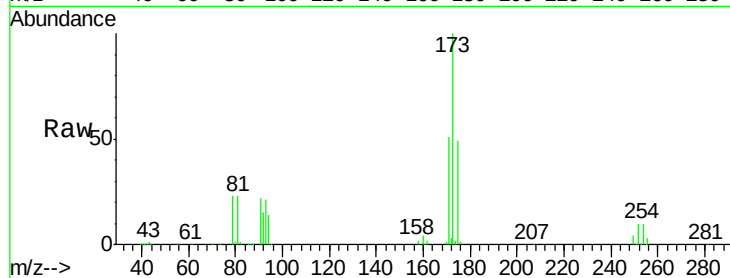
173 100

175 48.8 23.8 71.4

254 0.1 0.0 0.0#

Manual Integrations
APPROVED

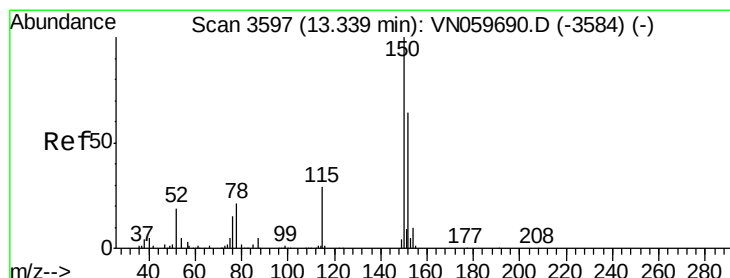
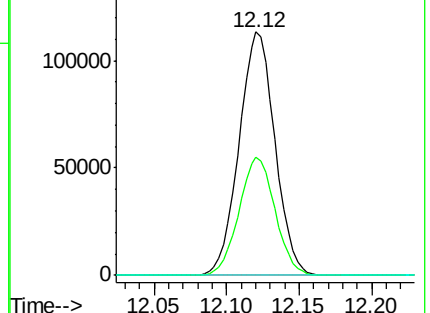
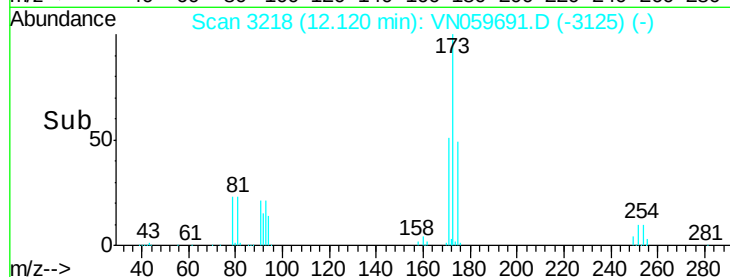
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN059691.D

Acq: 13 Jan 2020 15:16

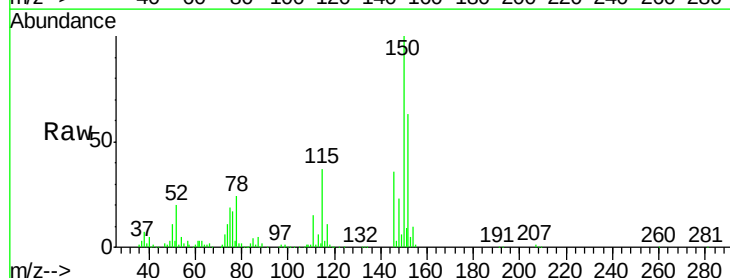
Tgt Ion:152 Resp: 143052

Ion Ratio Lower Upper

152 100

115 58.3 30.3 90.9

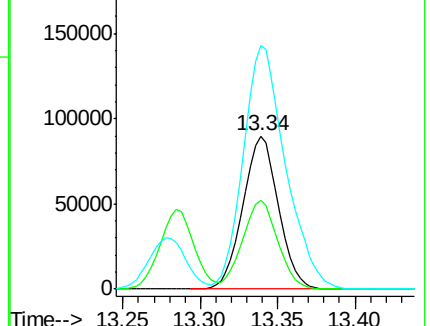
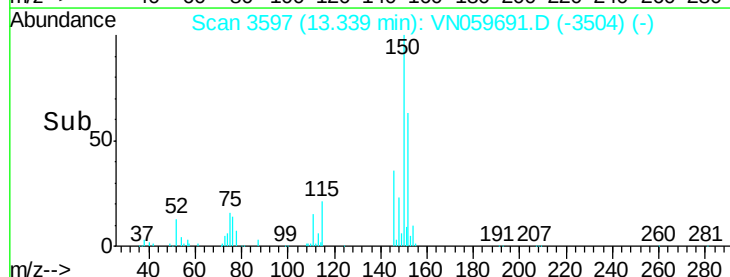
150 189.9 0.0 345.2

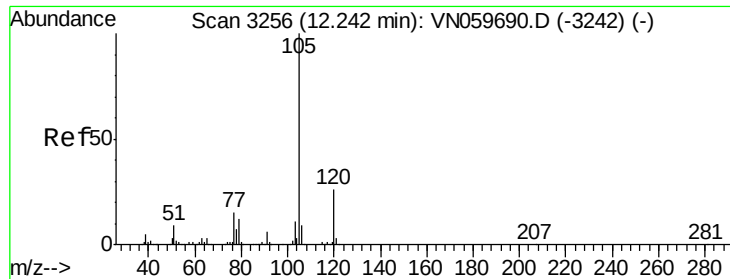


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 94.483 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN059691.D

Acq: 13 Jan 2020 15:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1061010

Ion Ratio Lower Upper

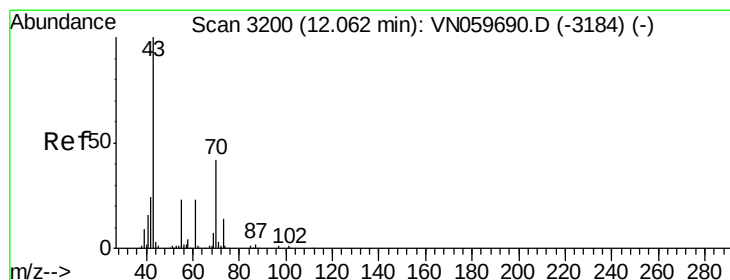
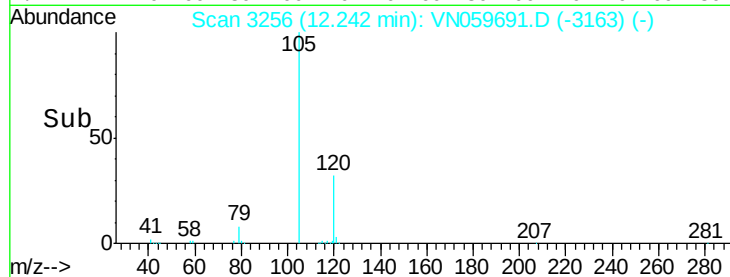
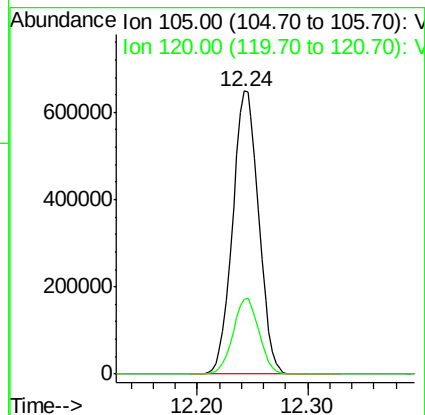
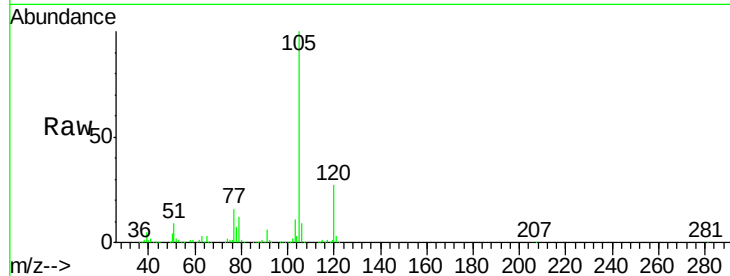
105 100

120 26.6 13.2 39.5

Manual Integrations
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1/14/2020 10:59:55 AM



#74

N-ethyl acetate

Concen: 82.858 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN059691.D

Acq: 13 Jan 2020 15:16

Tgt Ion: 43 Resp: 426810

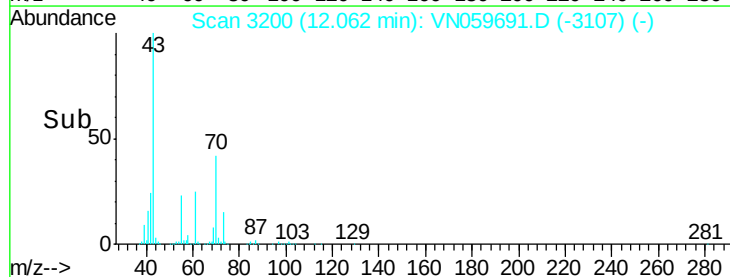
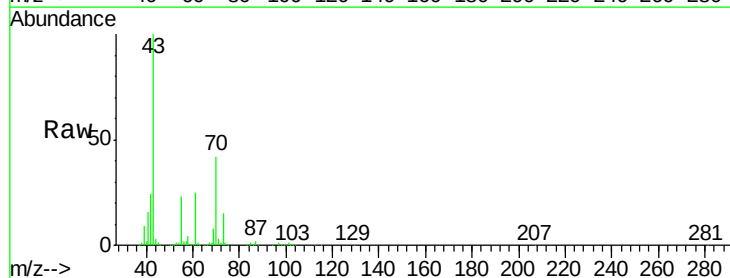
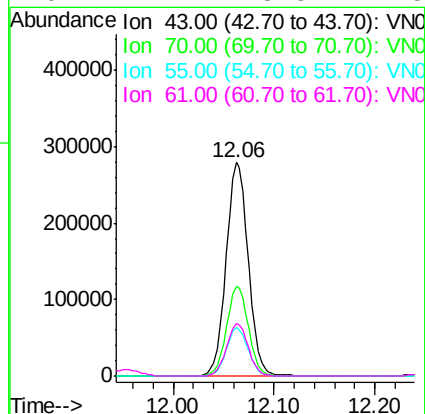
Ion Ratio Lower Upper

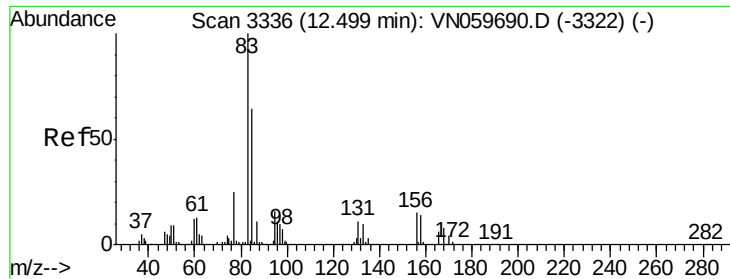
43 100

70 41.7 31.3 46.9

55 22.7 19.8 29.6

61 24.4 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 86.743 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN059691.D

Acq: 13 Jan 2020 15:16

Instrument :

MSVOA_N

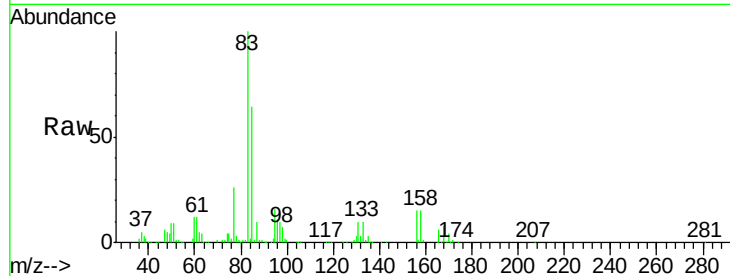
ClientSampleId :

VSTDIC100

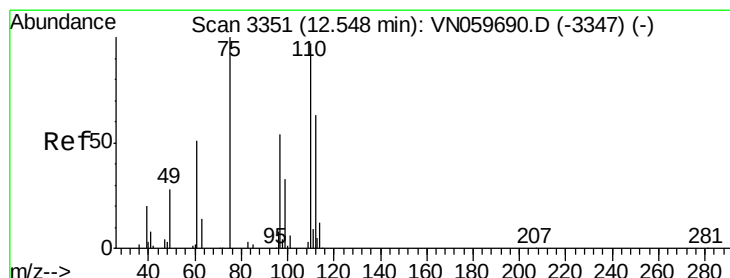
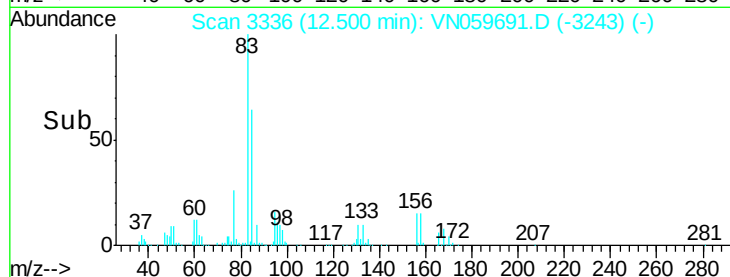
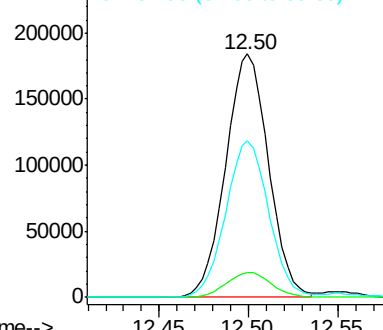
Tot Ion:	83	Resp:	308994
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.0	14.9
85	64.6	31.9	95.5

Manual Integrations
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1/14/2020 10:59:55 AM



Abundance Ion 82.90 (82.60 to 83.60): VN059691.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 63.468 ug/l m

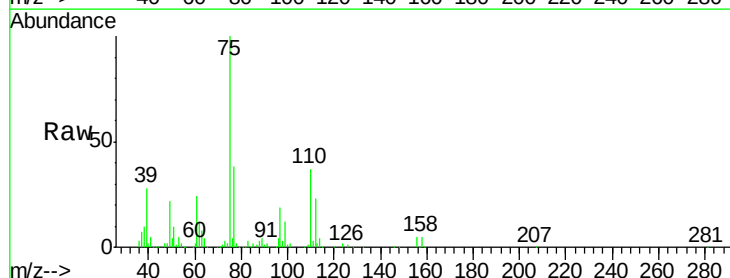
RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

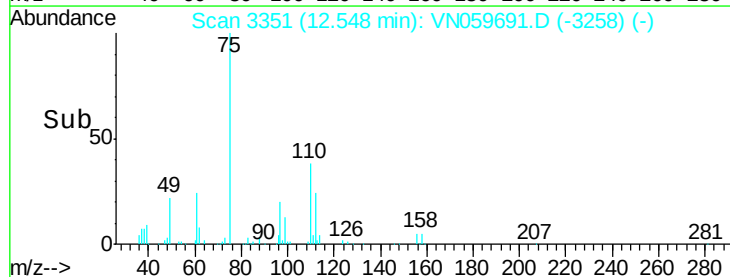
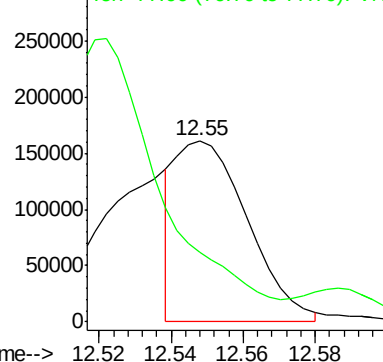
Lab File: VN059691.D

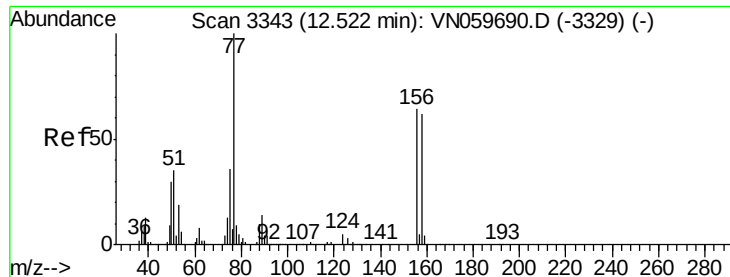
Acq: 13 Jan 2020 15:16

Tgt Ion:	75	Resp:	224761
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059691.D (-3258) (-)





#77

Bromobenzene

Concen: 98.063 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN059691.D

Acq: 13 Jan 2020 15:16

Instrument :

MSVOA_N

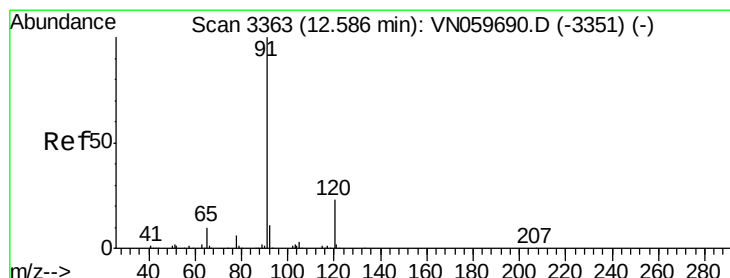
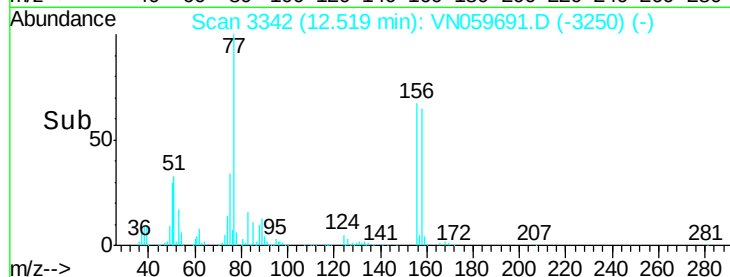
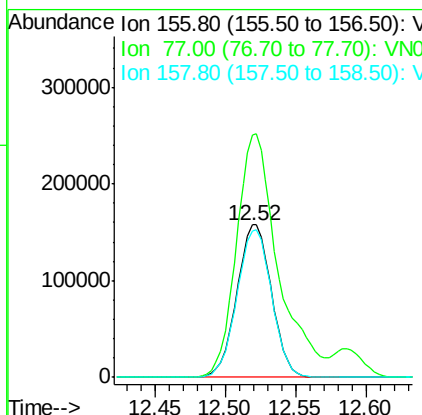
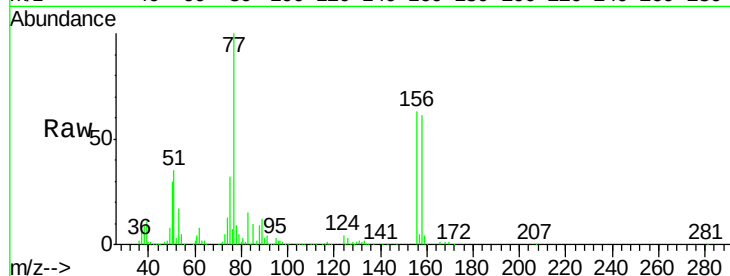
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Lower	Upper
156	100		
77	192.1	115.8	347.4
158	97.2	49.2	147.6

Manual Integrations
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#78

n-propylbenzene

Concen: 92.127 ug/l

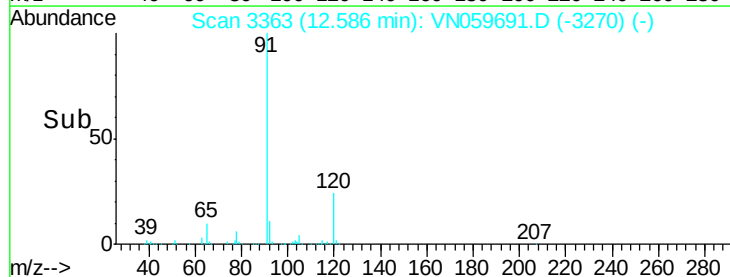
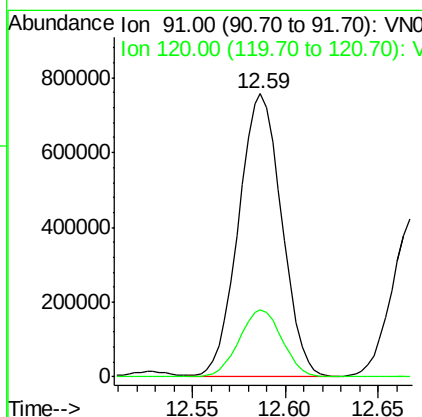
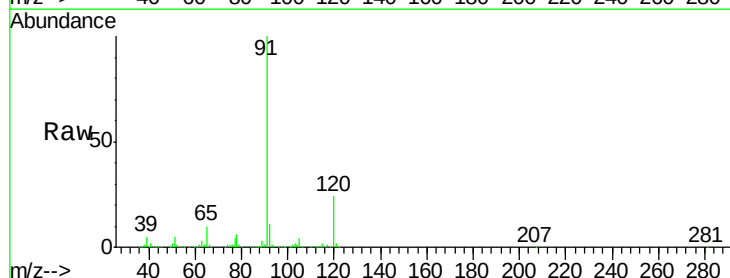
RT: 12.59 min Scan# 3363

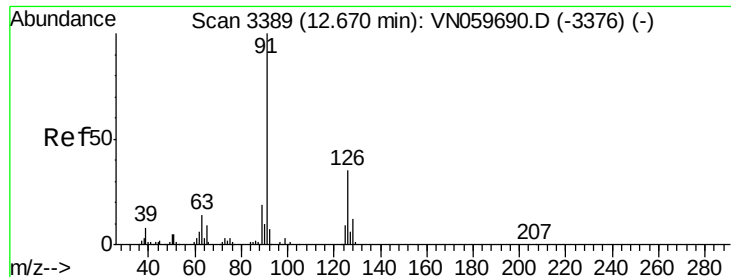
Delta R.T. 0.00 min

Lab File: VN059691.D

Acq: 13 Jan 2020 15:16

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.6	11.1	33.3





#79

2-Chlorotoluene

Concen: 88.660 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN059691.D

Acq: 13 Jan 2020 15:16

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 91 Resp: 711658

Ion Ratio Lower Upper

91 100

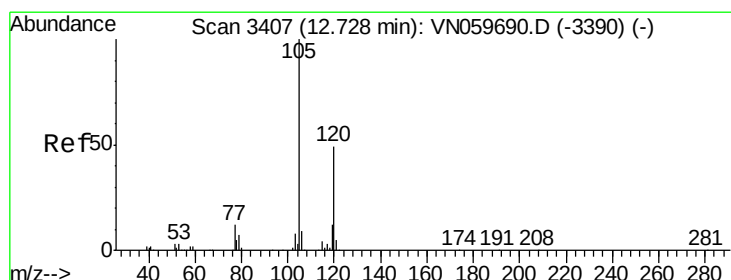
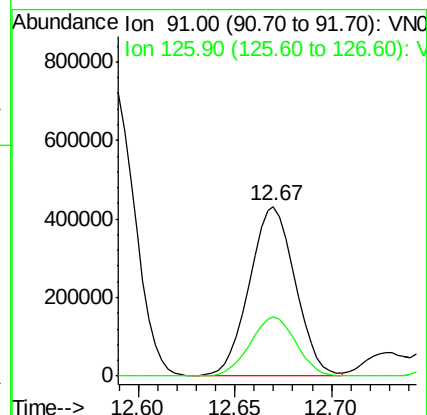
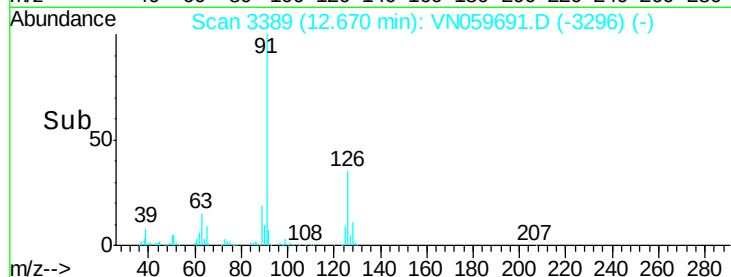
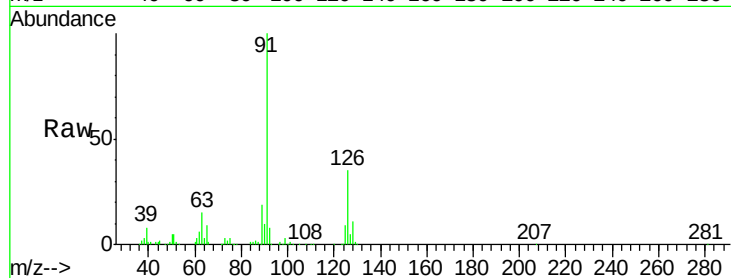
126 35.1 16.3 48.9

Manual Integrations

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1/14/2020 10:59:55 AM



#80

1,3,5-Trimethylbenzene

Concen: 94.532 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN059691.D

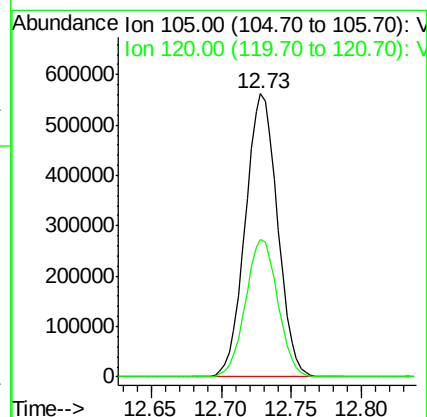
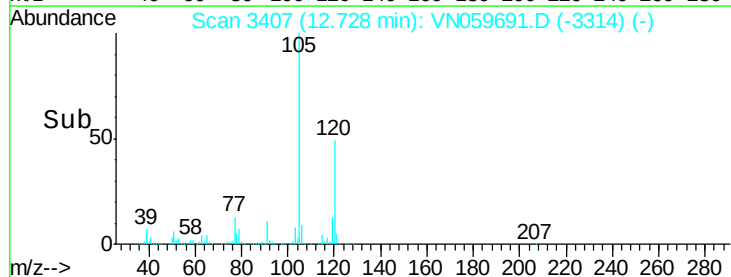
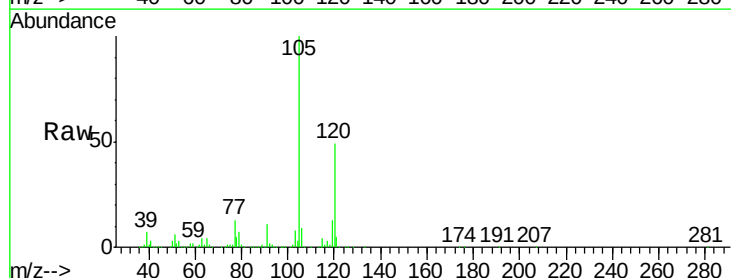
Acq: 13 Jan 2020 15:16

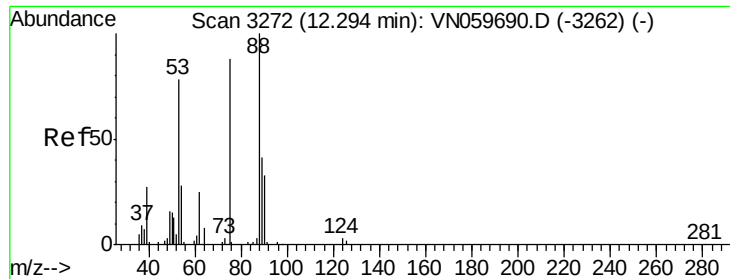
Tgt Ion: 105 Resp: 898344

Ion Ratio Lower Upper

105 100

120 48.8 24.1 72.4





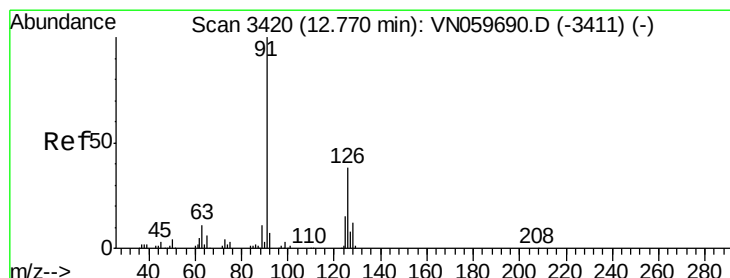
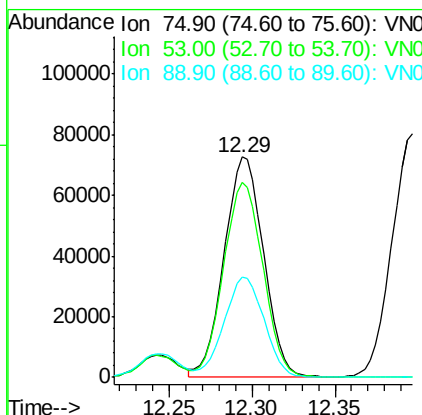
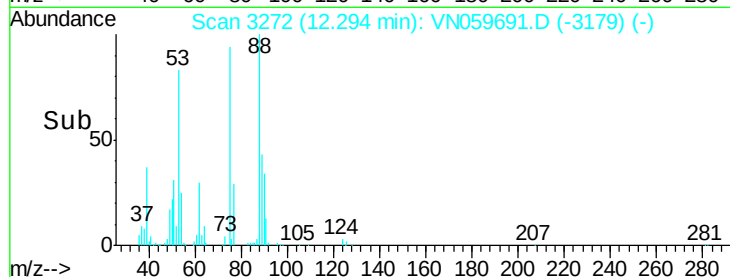
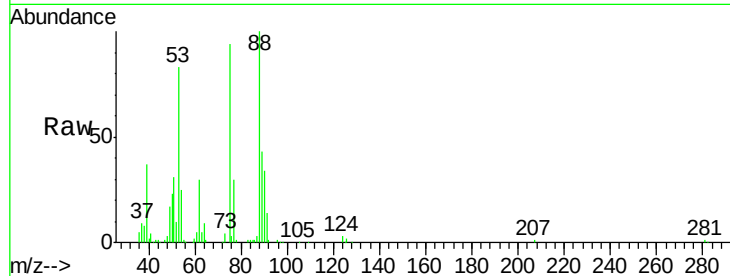
#81
trans-1,4-Dichloro-2-butene
Concen: 83.923 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. 0.00 min
Lab File: VN059691.D
Acq: 13 Jan 2020 15:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.9	78.1	117.1
89	46.0	35.4	53.2

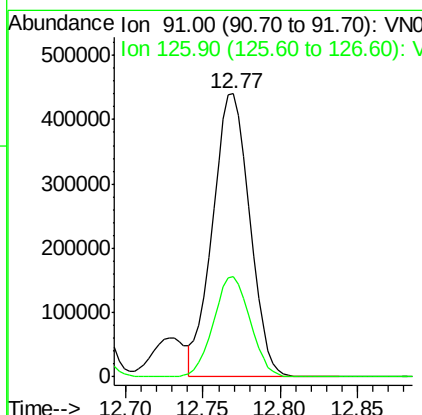
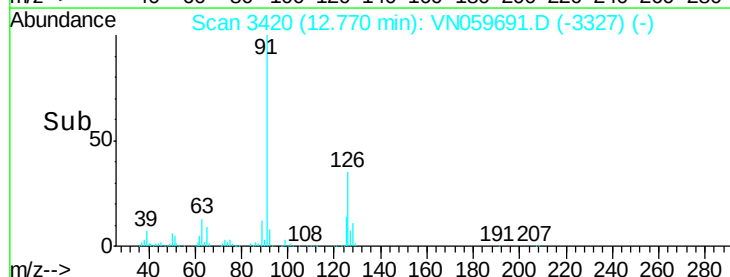
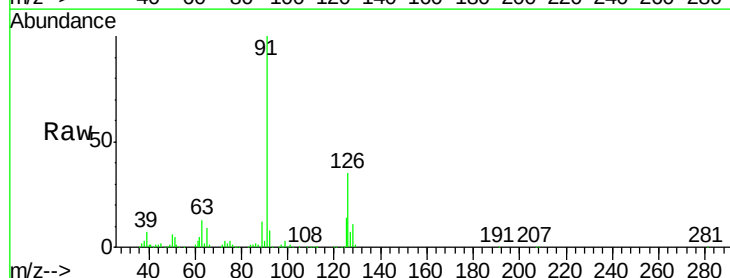
Manual Integrations
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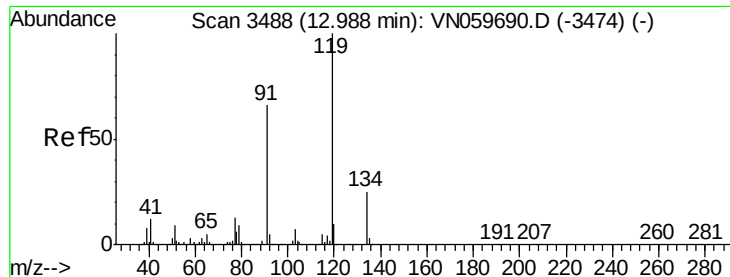
MMDadoda
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#82
4-Chlorotoluene
Concen: 89.174 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN059691.D
Acq: 13 Jan 2020 15:16

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.0	16.3	48.8





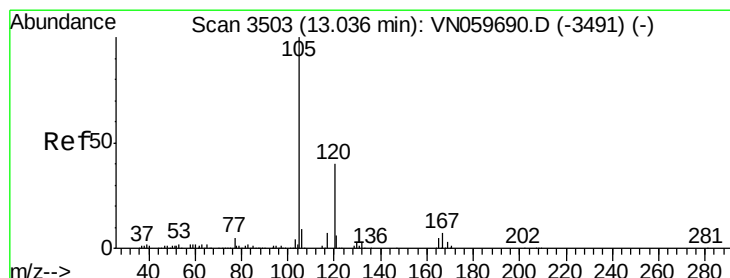
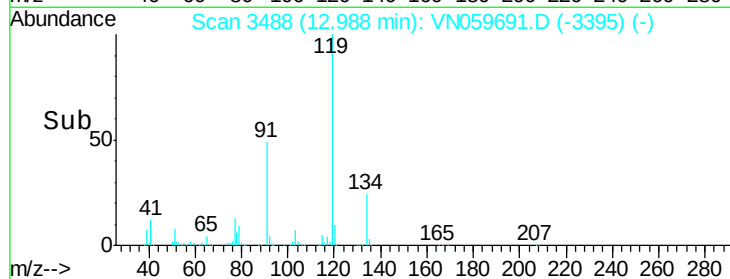
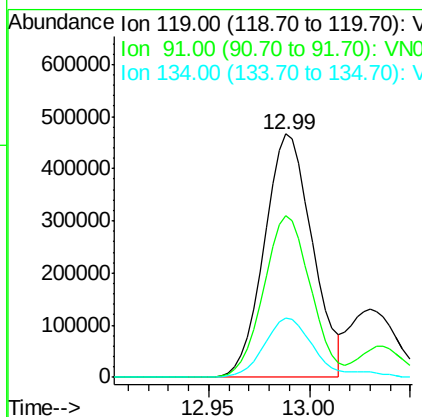
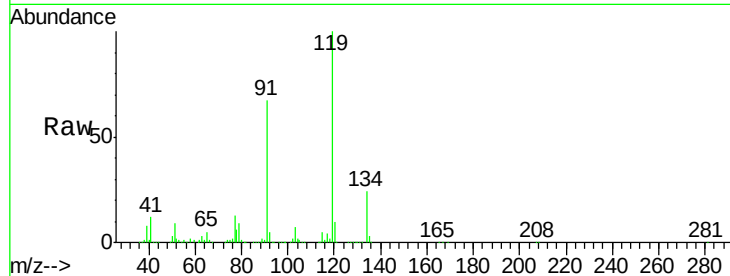
#83
 tert-Butylbenzene
 Concen: 95.881 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. 0.00 min
 Lab File: VN059691.D
 Acq: 13 Jan 2020 15:16

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.3	34.8	104.4
134	24.4	12.3	36.9

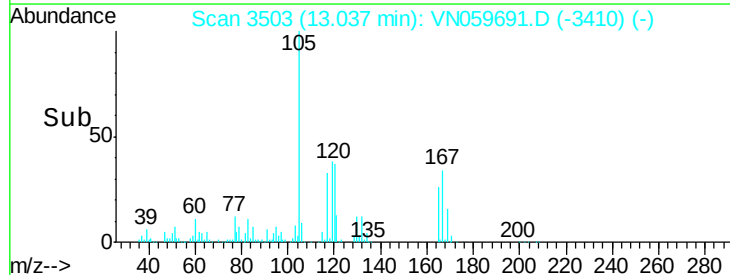
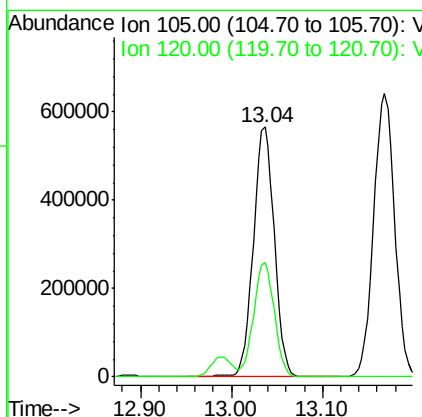
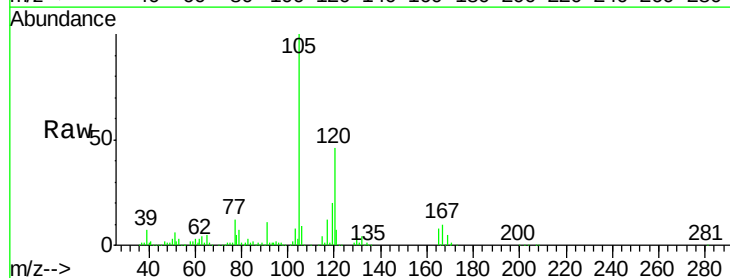
Manual Integrations
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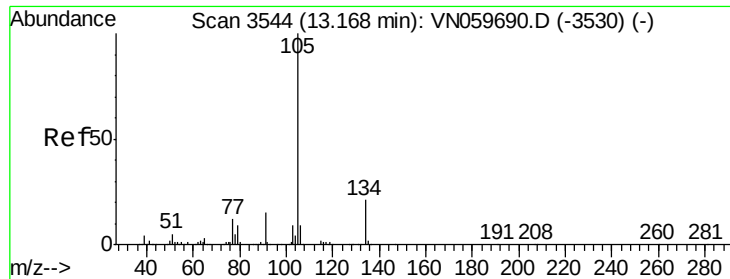
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 1/14/2020 10:59:55 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 95.596 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN059691.D
 Acq: 13 Jan 2020 15:16

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.3	66.9





#85

sec-Butylbenzene

Concen: 96.124 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN059691.D

Acq: 13 Jan 2020 15:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1029029

Ion Ratio Lower Upper

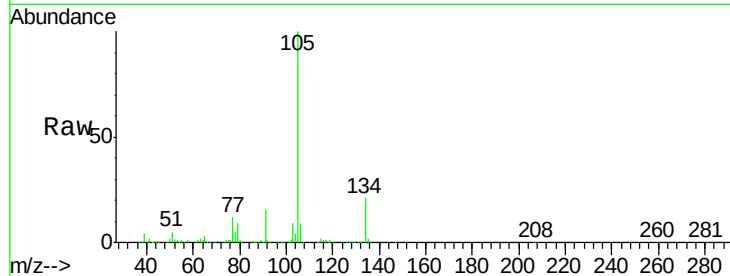
105 100

134 20.4 9.8 29.5

Manual Integrations
APPROVED

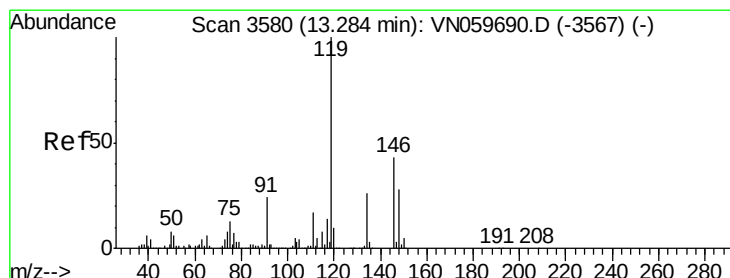
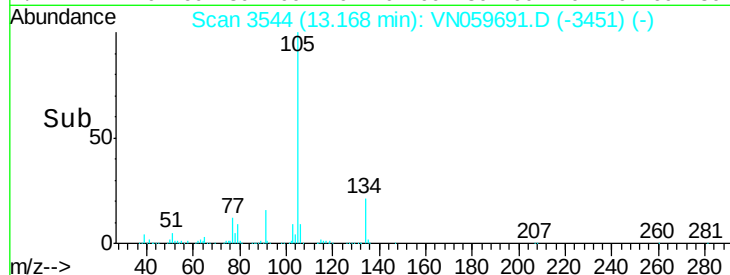
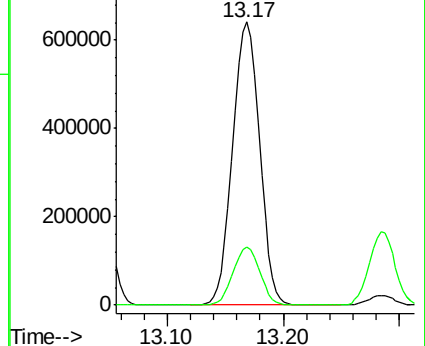
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 98.443 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN059691.D

Acq: 13 Jan 2020 15:16

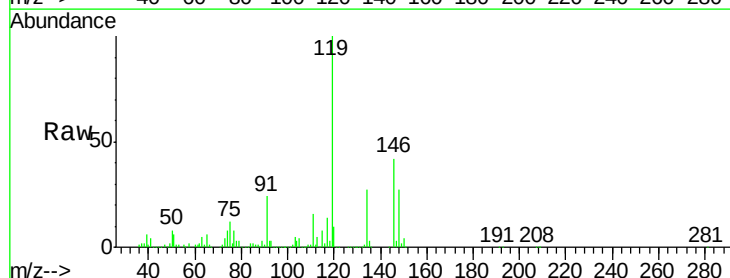
Tgt Ion:119 Resp: 954480

Ion Ratio Lower Upper

119 100

134 26.8 12.9 38.7

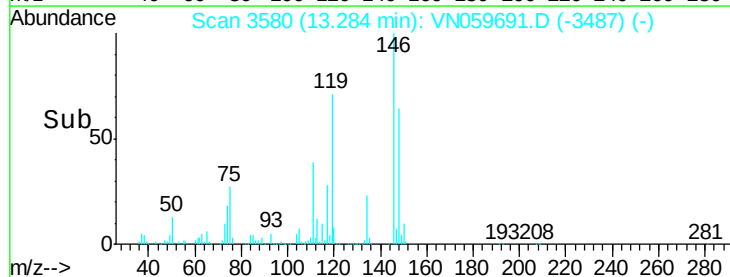
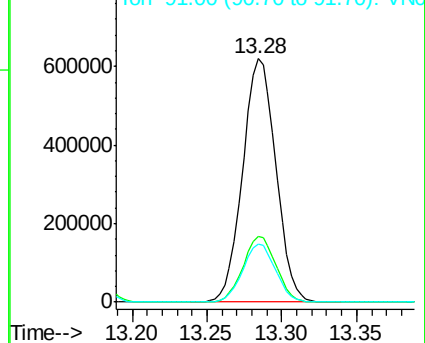
91 23.6 12.4 37.4

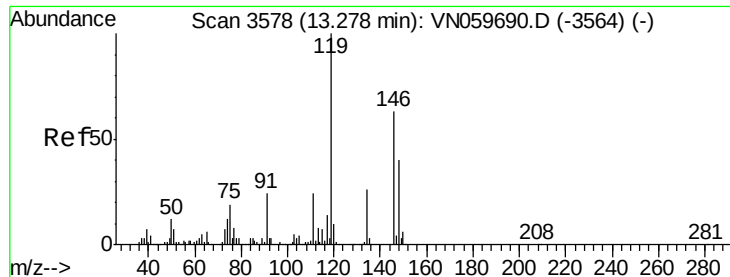


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





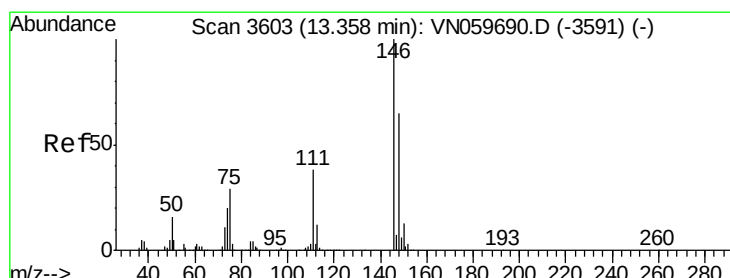
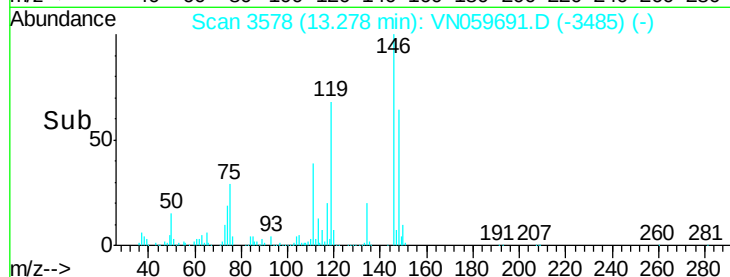
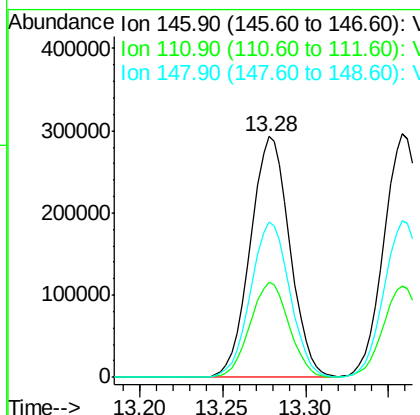
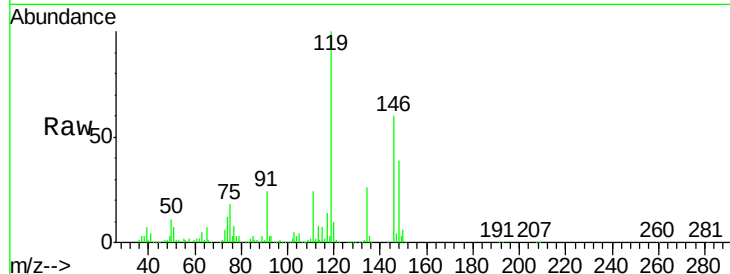
#87
 1,3-Dichlorobenzene
 Concen: 95.613 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN059691.D
 Acq: 13 Jan 2020 15:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	20.8	62.2
148	64.2	32.0	96.0

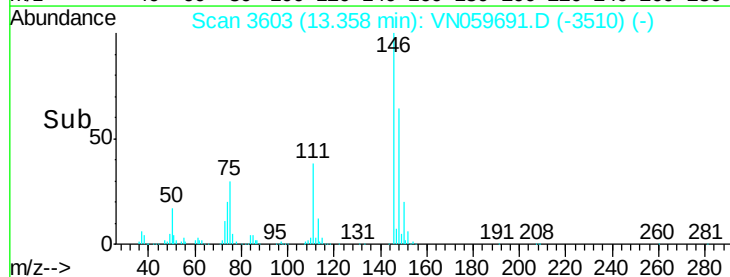
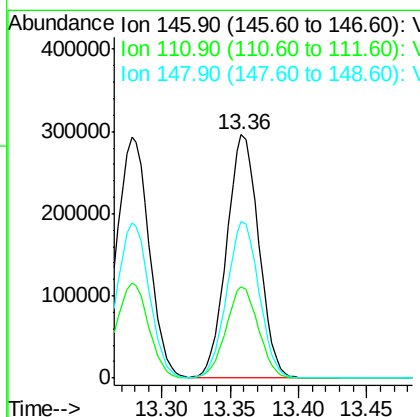
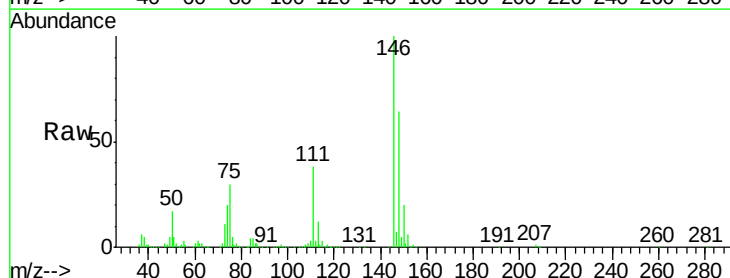
Manual Integrations
 APPROVED

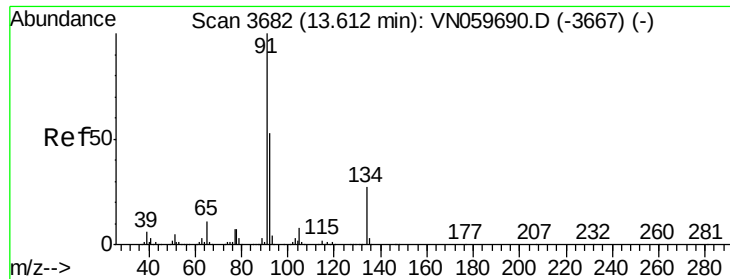
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 1/14/2020 10:59:55 AM



#88
 1,4-Dichlorobenzene
 Concen: 94.780 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN059691.D
 Acq: 13 Jan 2020 15:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	20.8	62.2
148	64.5	31.8	95.4





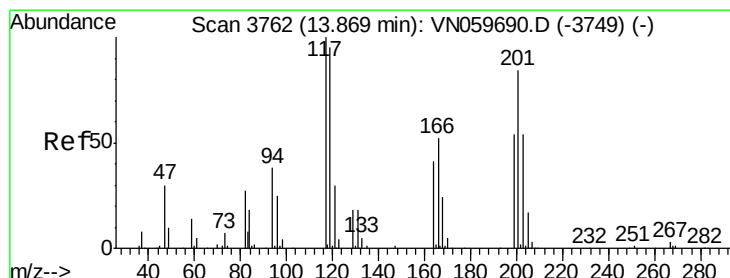
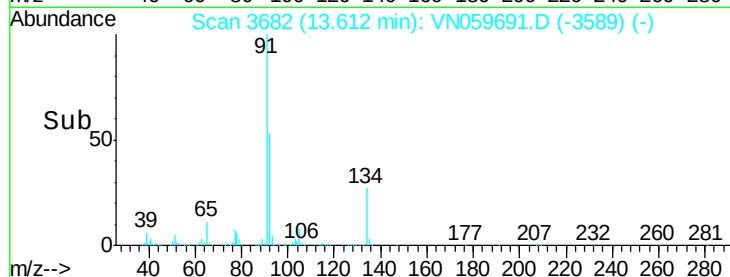
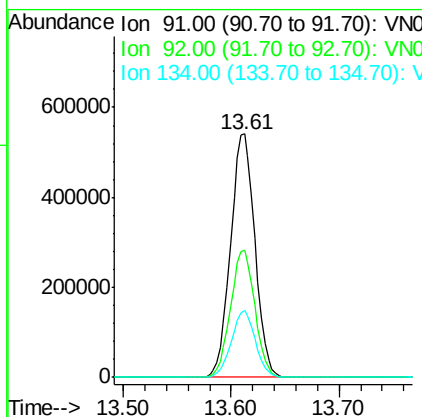
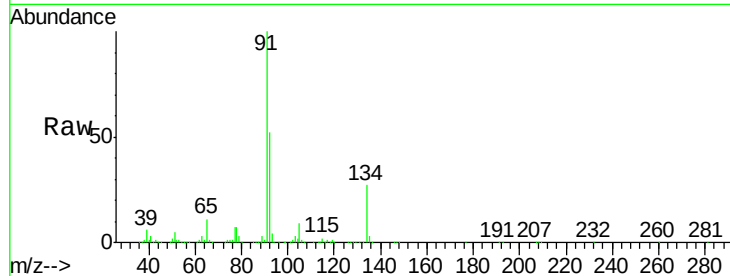
#89
n-Butylbenzene
Concen: 93.626 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN059691.D
Acq: 13 Jan 2020 15:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	25.9	77.7
134	27.0	12.3	36.8

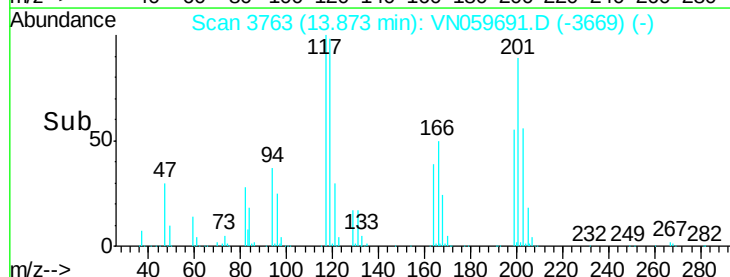
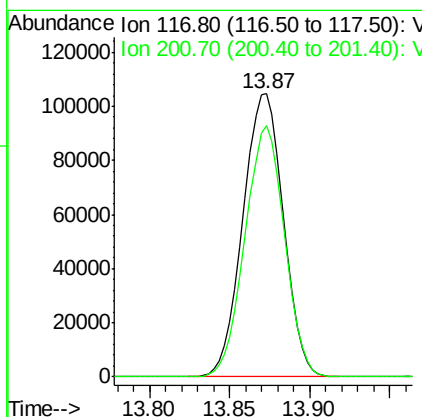
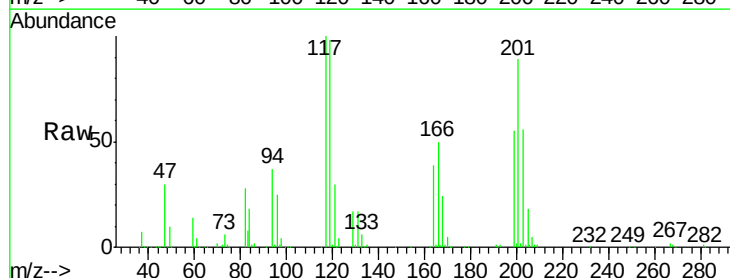
Manual Integrations
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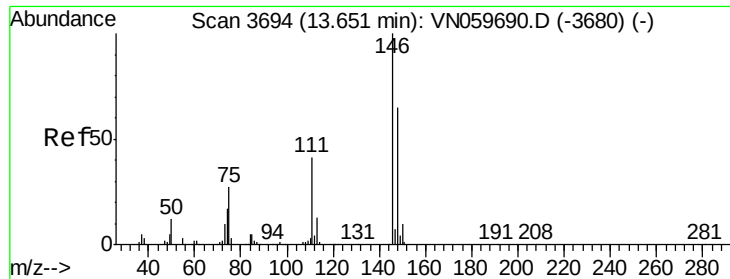
MMDadoda
1/14/2020 10:59:55 AM



#90
Hexachloroethane
Concen: 98.817 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN059691.D
Acq: 13 Jan 2020 15:16

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.5	37.8	113.4





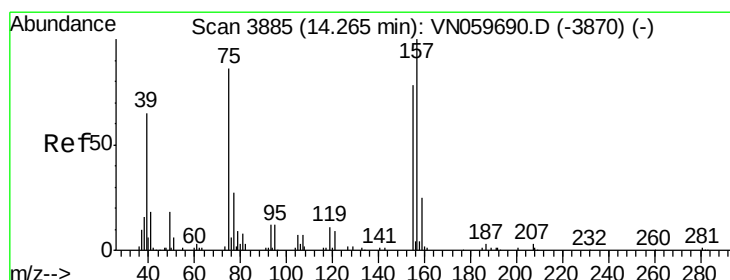
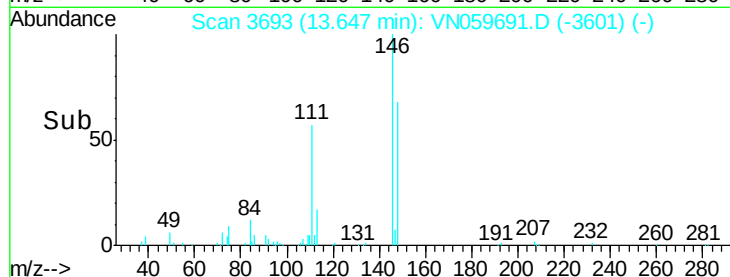
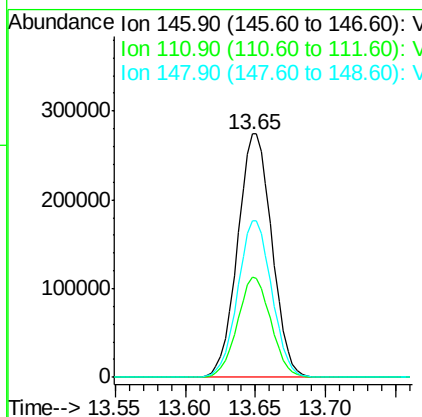
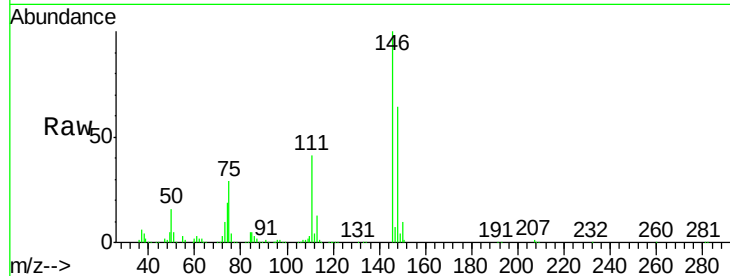
#91
 1,2-Dichlorobenzene
 Concen: 93.326 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. -0.00 min
 Lab File: VN059691.D
 Acq: 13 Jan 2020 15:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	21.6	64.8
148	64.0	31.6	95.0

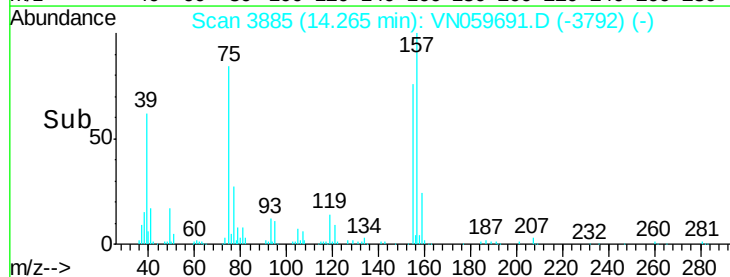
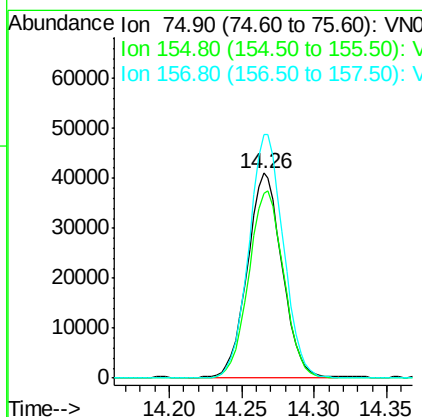
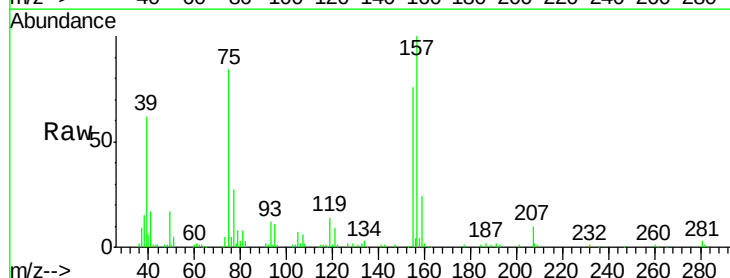
Manual Integrations
 APPROVED

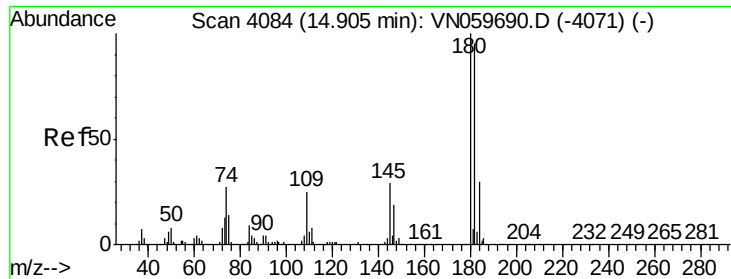
MMDadoda
 1/14/2020 10:59:55 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 65.789 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN059691.D
 Acq: 13 Jan 2020 15:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.9	37.0	110.9
157	117.2	48.4	145.2





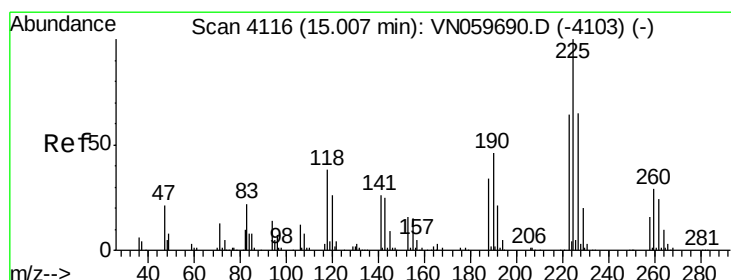
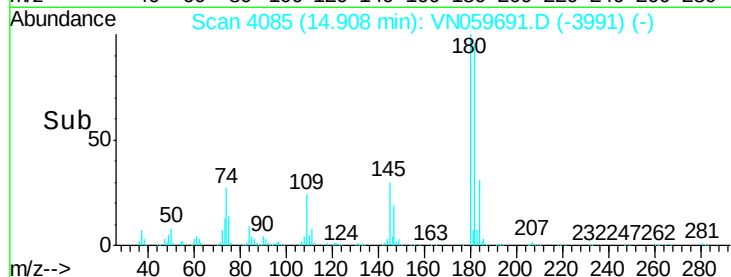
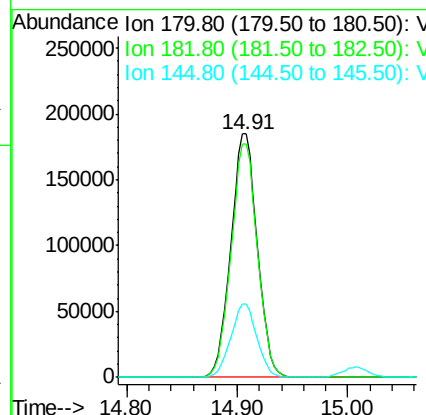
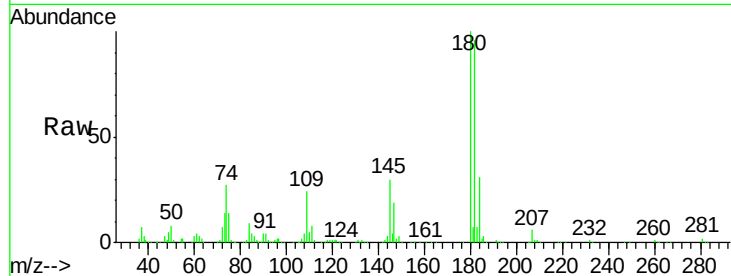
#93
 1,2,4-Trichlorobenzene
 Concen: 94.653 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN059691.D
 Acq: 13 Jan 2020 15:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	306103		
182	95.8	46.9	140.7	
145	30.0	15.0	45.1	

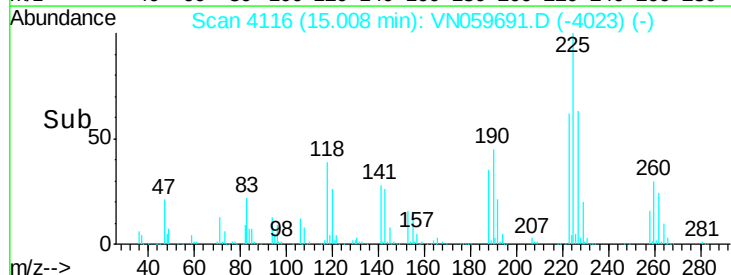
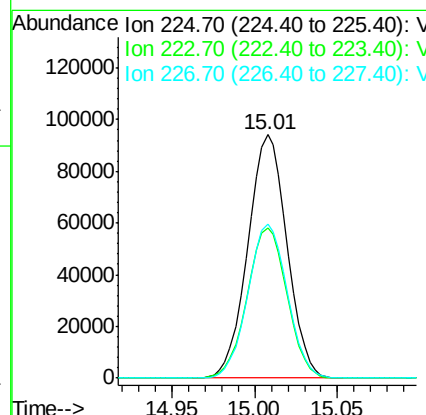
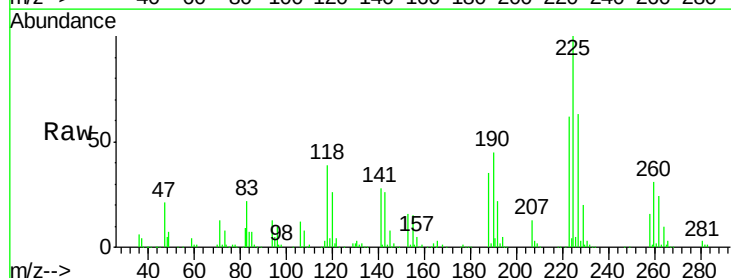
Manual Integrations
 APPROVED

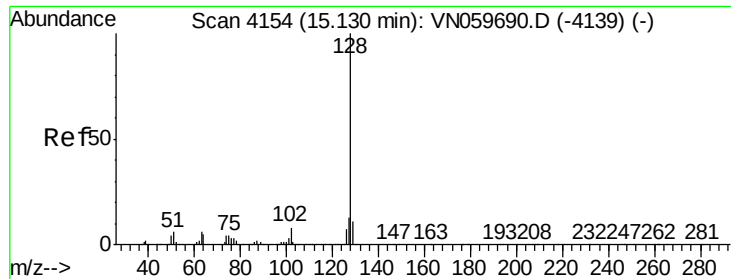
MMDadoda
 1/14/2020 10:59:55 AM



#94
 Hexachlorobutadiene
 Concen: 89.374 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN059691.D
 Acq: 13 Jan 2020 15:16

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	154780		
223	62.7	31.8	95.3	
227	63.6	32.1	96.5	





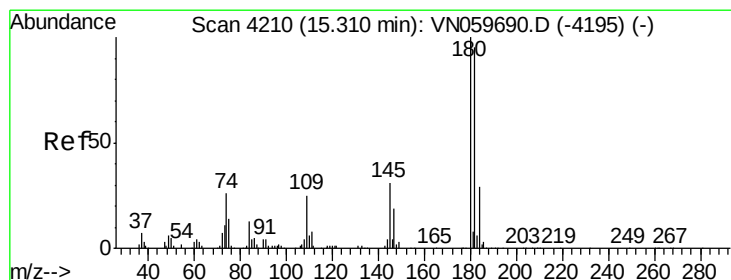
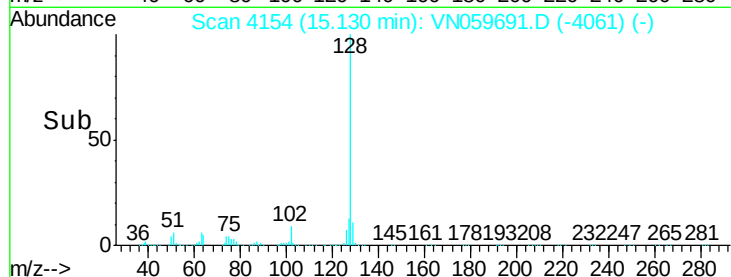
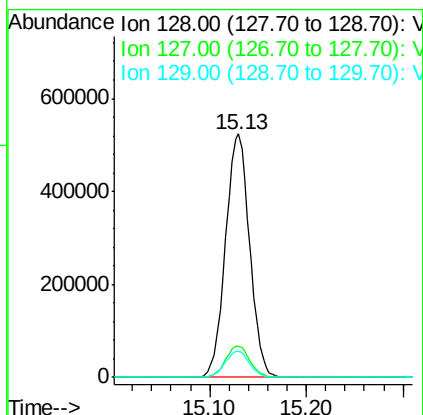
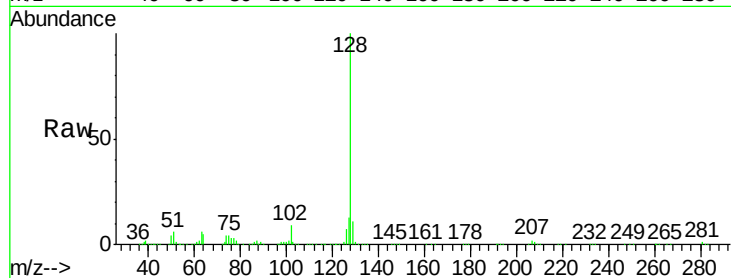
#95
Naphthalene
Concen: 93.446 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN059691.D
Acq: 13 Jan 2020 15:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.9	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
1/14/2020 10:59:55 AM



#96
1,2,3-Trichlorobenzene
Concen: 91.622 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN059691.D
Acq: 13 Jan 2020 15:16

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.4	142.3
145	31.7	16.3	48.9

