

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011620\
 Data File : VN059732.D
 Acq On : 16 Jan 2020 15:18
 Operator : JC/MD
 Sample : VN0116WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0116WBSD01

Manual Integrations
 APPROVED

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 1/17/2020 1:53:13 PM

Quant Time: Jan 17 07:55:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 14 08:58:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	201362	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	312923	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	282284	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	132487	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	109907	49.15	ug/l	0.00
Spiked Amount						
			Recovery	=	98.30%	
35) Dibromofluoromethane	7.57	113	94929	50.87	ug/l	0.00
Spiked Amount						
			Recovery	=	101.74%	
50) Toluene-d8	10.08	98	355786	49.21	ug/l	0.00
Spiked Amount						
			Recovery	=	98.42%	
62) 4-Bromofluorobenzene	12.40	95	125117	48.00	ug/l	0.00
Spiked Amount						
			Recovery	=	96.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	47742	19.794	ug/l	98
3) Chloromethane	2.04	50	45296	19.648	ug/l	99
4) Vinyl Chloride	2.17	62	56881	21.565	ug/l	97
5) Bromomethane	2.54	94	33783	20.987	ug/l	98
6) Chloroethane	2.68	64	25565	20.486	ug/l	99
7) Trichlorofluoromethane	3.00	101	65507	20.680	ug/l	99
8) Diethyl Ether	3.38	74	22769	20.481	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	3.74	101	37336	21.177	ug/l	92
10) Methyl Iodide	3.93	142	56657	19.881	ug/l	97
11) Tert butyl alcohol	4.73	59	37496	99.605	ug/l	98
12) 1,1-Dichloroethene	3.72	96	36432	19.776	ug/l	87
13) Acrolein	3.58	56	24037	90.202	ug/l	99
14) Allyl chloride	4.29	41	48161	19.395	ug/l #	83
15) Acrylonitrile	4.95	53	86571	100.815	ug/l	99
16) Acetone	3.78	43	73137	89.464	ug/l	94
17) Carbon Disulfide	4.03	76	101742	19.387	ug/l	100
18) Methyl Acetate	4.29	43	53186	20.362	ug/l	91
19) Methyl tert-butyl Ether	5.01	73	122757	20.437	ug/l	98
20) Methylene Chloride	4.52	84	41845	19.904	ug/l	89
21) trans-1,2-Dichloroethene	5.01	96	39516	20.179	ug/l	86
22) Diisopropyl ether	5.91	45	111577	19.828	ug/l	91
23) Vinyl Acetate	5.86	43	434056	99.626	ug/l #	94
24) 1,1-Dichloroethane	5.82	63	68816	20.014	ug/l	97
25) 2-Butanone	6.80	43	114405	90.344	ug/l	91
26) 2,2-Dichloropropane	6.80	77	63148	19.103	ug/l	96
27) cis-1,2-Dichloroethene	6.80	96	44771	19.877	ug/l	87
28) Bromochloromethane	7.17	49	27054	19.686	ug/l #	75
29) Tetrahydrofuran	7.18	42	75775	96.713	ug/l #	86
30) Chloroform	7.35	83	71944	20.194	ug/l	98
31) Cyclohexane	7.63	56	64296	19.433	ug/l	88
32) 1,1,1-Trichloroethane	7.55	97	67451	20.477	ug/l	96
36) 1,1-Dichloropropene	7.77	75	53034	19.462	ug/l	96
37) Ethyl Acetate	6.90	43	48501	18.976	ug/l	96
38) Carbon Tetrachloride	7.75	117	59158	19.957	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	65487	19.490	ug/l	94
40) Benzene	8.02	78	159030	19.568	ug/l	100
41) Methacrylonitrile	7.15	41	23308m	18.515	ug/l	
42) 1,2-Dichloroethane	8.10	62	55935	20.299	ug/l	96
43) Isopropyl Acetate	8.14	43	83674	19.033	ug/l #	95
44) Trichloroethene	8.82	130	45910	20.693	ug/l	94
45) 1,2-Dichloropropane	9.10	63	40578	20.177	ug/l	98
46) Dibromomethane	9.19	93	28570	20.139	ug/l	90
47) Bromodichloromethane	9.39	83	56185	19.654	ug/l	98
48) Methyl methacrylate	9.18	41	37282	18.960	ug/l	90
49) 1,4-Dioxane	9.18	88	15316	425.472	ug/l	92
51) 4-Methyl-2-Pentanone	9.97	43	244552	96.231	ug/l	96
52) Toluene	10.14	92	103005	20.065	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	62396	19.548	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	66806	19.891	ug/l	94
55) 1,1,2-Trichloroethane	10.55	97	40817	20.076	ug/l	97
56) Ethyl methacrylate	10.42	69	60195	19.376	ug/l	91
57) 1,3-Dichloropropane	10.70	76	64682	20.039	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	98819	105.606	ug/l #	90
59) 2-Hexanone	10.74	43	174282	93.090	ug/l	94
60) Dibromochloromethane	10.89	129	46268	19.984	ug/l	100
61) 1,2-Dibromoethane	11.00	107	42642	20.011	ug/l	99
64) Tetrachloroethene	10.62	164	43701	18.995	ug/l	95
65) Chlorobenzene	11.43	112	109294	19.698	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	42825	19.975	ug/l	96
67) Ethyl Benzene	11.50	91	198405	19.698	ug/l	97
68) m/p-Xylenes	11.62	106	150027	39.433	ug/l	94
69) o-Xylene	11.94	106	74032	19.876	ug/l	93
70) Styrene	11.96	104	119193	19.123	ug/l	97
71) Bromoform	12.12	173	33535	19.528	ug/l #	97
73) Isopropylbenzene	12.25	105	198314	20.410	ug/l	100
74) N-amyl acetate	12.06	43	70617	18.730	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	56241	19.966	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	50760m	22.766	ug/l	
77) Bromobenzene	12.52	156	49667	20.185	ug/l	81
78) n-propylbenzene	12.59	91	218216	20.009	ug/l	97
79) 2-Chlorotoluene	12.67	91	128972	19.879	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	162652	19.905	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	19218	18.510	ug/l	96
82) 4-Chlorotoluene	12.77	91	131293	20.176	ug/l	96
83) tert-Butylbenzene	12.99	119	142393	20.148	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	162990	20.161	ug/l	99
85) sec-Butylbenzene	13.17	105	184676	19.889	ug/l	99
86) p-Isopropyltoluene	13.28	119	170595	19.855	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	86917	20.335	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	85438	20.037	ug/l	97
89) n-Butylbenzene	13.61	91	140041	19.116	ug/l	98
90) Hexachloroethane	13.87	117	32077	19.954	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	86102	20.377	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	12508	19.410	ug/l	84

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Misc : 5.00mL/MSVOA N/WATER
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Instrument :
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ClientSampleId :
VN0116WBSD01

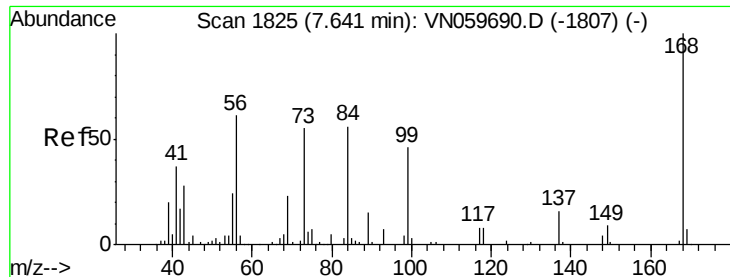
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	51761	20.386	ug/l	100
94) Hexachlorobutadiene	15.01	225	28373	20.278	ug/l	99
95) Naphthalene	15.13	128	143224	19.832	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	49238	19.923	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059732.D

Acq: 16 Jan 2020 15:18

Instrument :

MSVOA_N

ClientSampleId :

VN0116WBSD01

Tot Ion:168 Resp: 201362

Ion Ratio Lower Upper

168 100

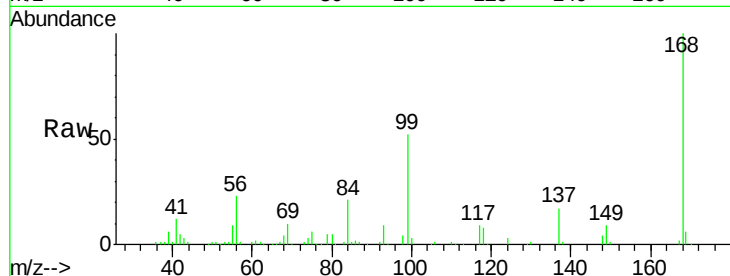
99 51.9 48.2 72.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

60000

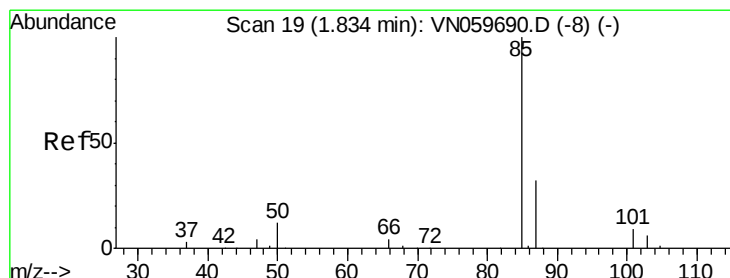
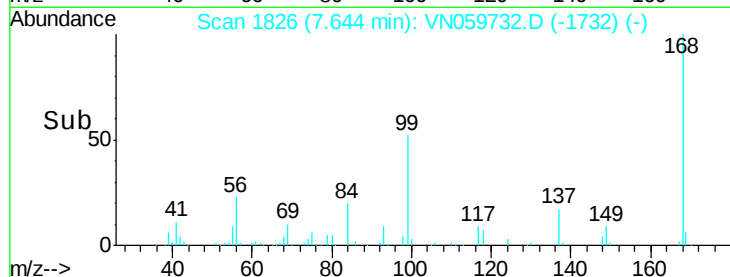
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 19.794 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059732.D

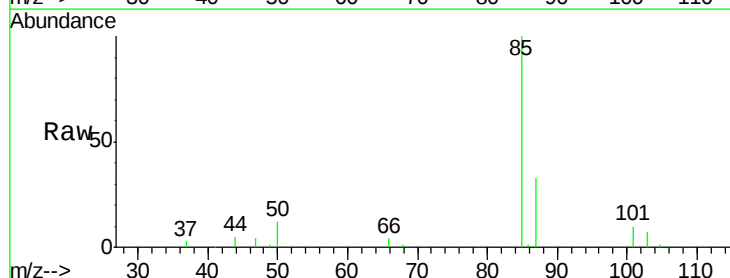
Acq: 16 Jan 2020 15:18

Tgt Ion: 85 Resp: 47742

Ion Ratio Lower Upper

85 100

87 33.0 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

40000

30000

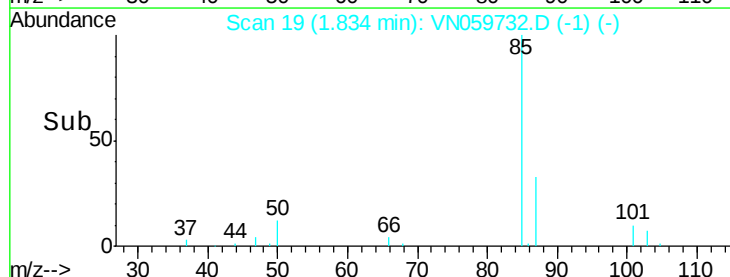
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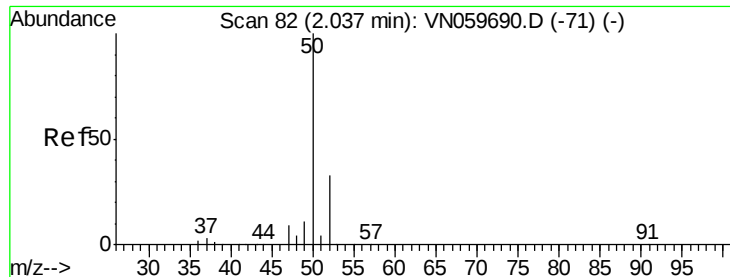
10000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 19.648 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN059732.D

Acq: 16 Jan 2020 15:18

Instrument :

MSVOA_N

ClientSampleId :

VN0116WBSD01

Tot Ion: 50 Resp: 45296

Ion Ratio Lower Upper

50 100

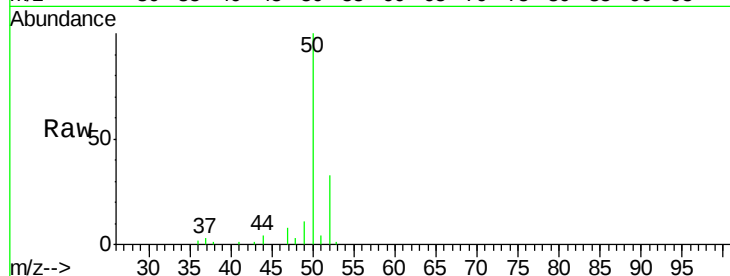
52 33.0 25.9 38.9

Manual Integrations

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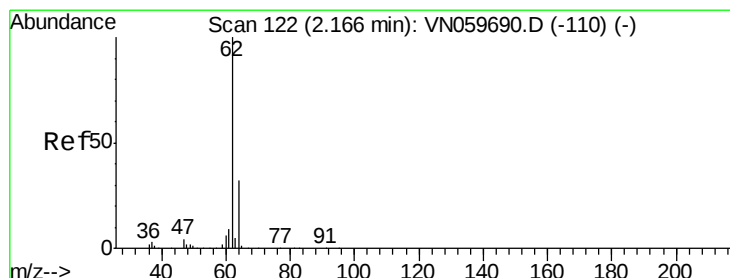
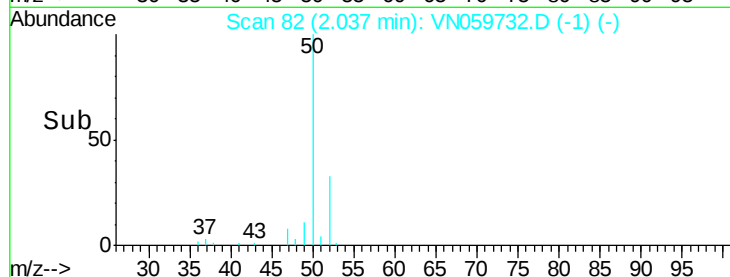
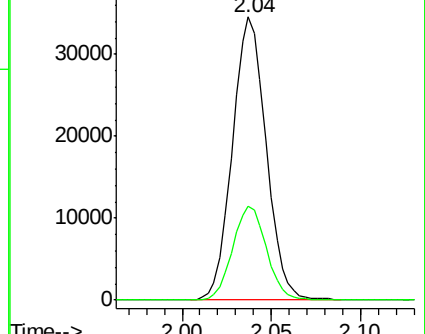
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 21.565 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059732.D

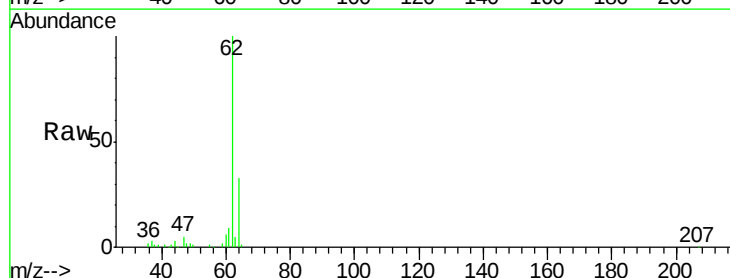
Acq: 16 Jan 2020 15:18

Tgt Ion: 62 Resp: 56881

Ion Ratio Lower Upper

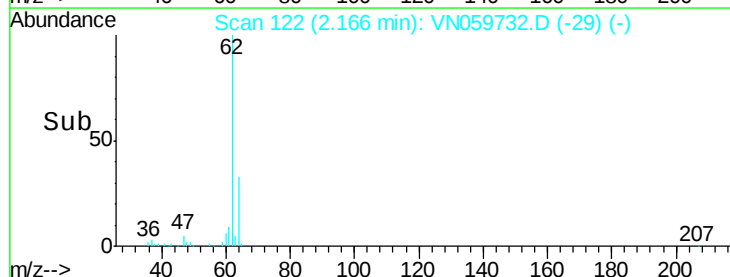
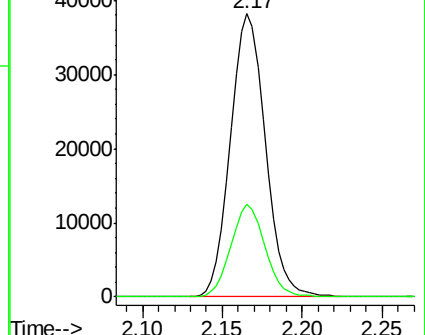
62 100

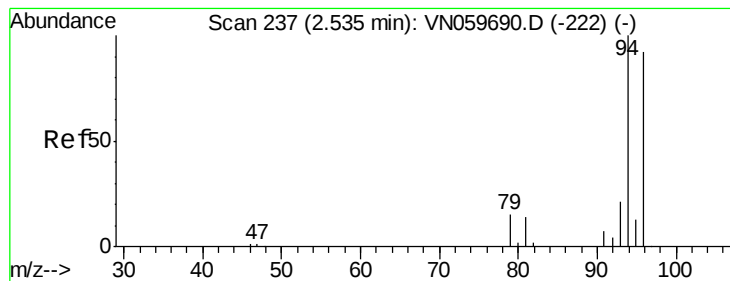
64 32.5 24.6 37.0



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 20.987 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.00 min

Lab File: VN059732.D

Acq: 16 Jan 2020 15:18

Instrument :

MSVOA_N

ClientSampleId :

VN0116WBSD01

Tot Ion: 94 Resp: 33783

Ion Ratio Lower Upper

94 100

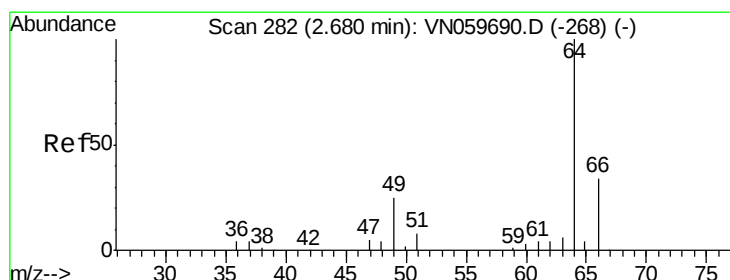
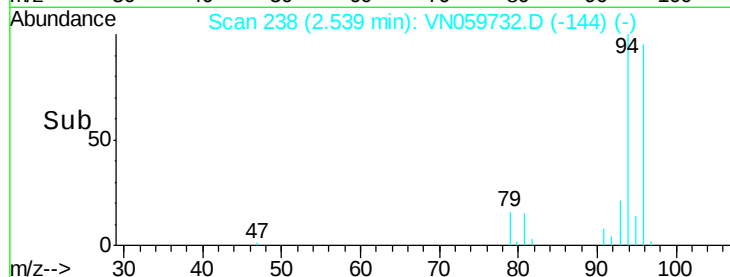
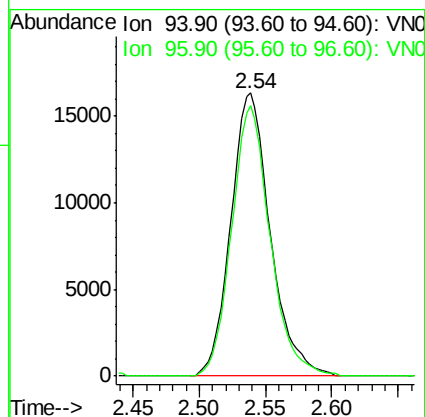
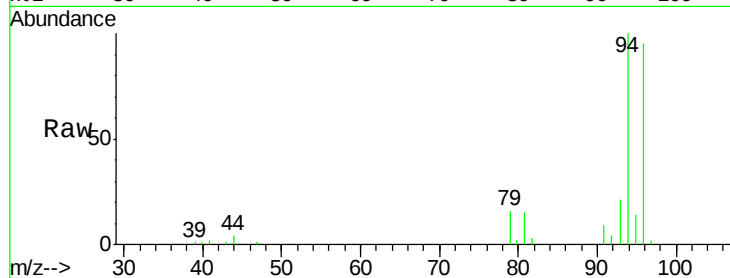
96 95.4 74.7 112.1

Manual Integrations

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#6

Chloroethane

Concen: 20.486 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN059732.D

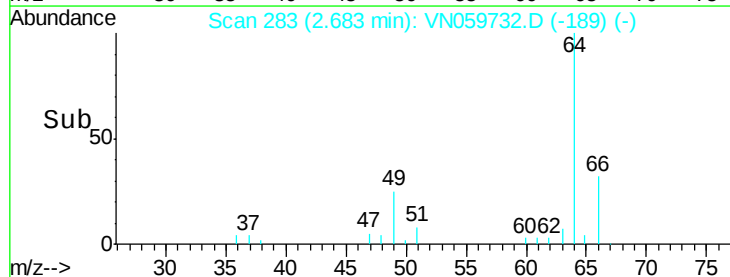
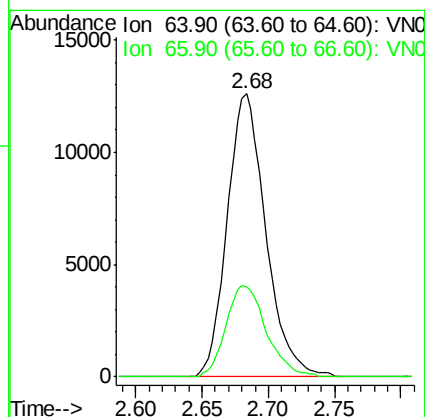
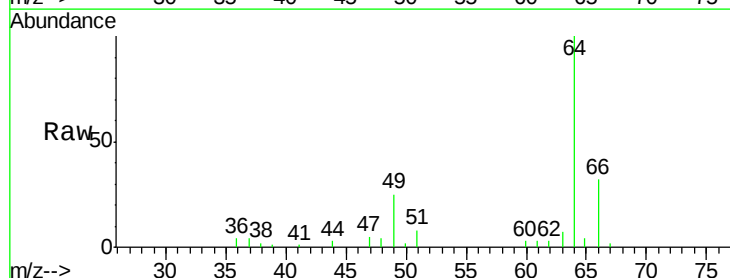
Acq: 16 Jan 2020 15:18

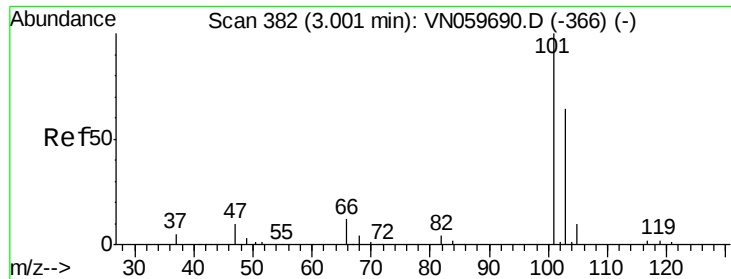
Tgt Ion: 64 Resp: 25565

Ion Ratio Lower Upper

64 100

66 32.0 25.1 37.7





#7

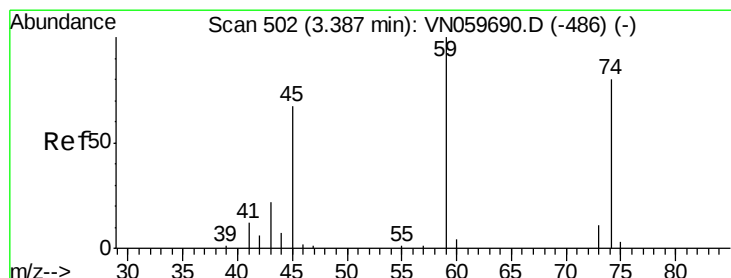
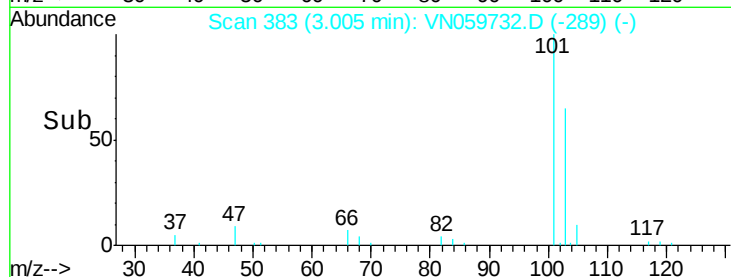
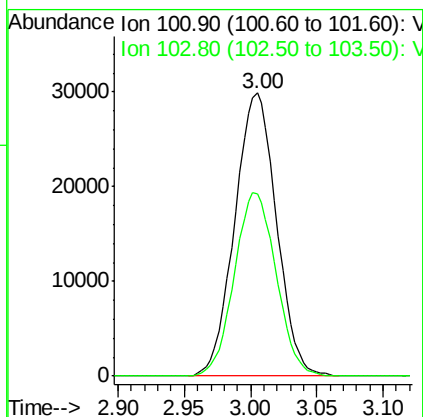
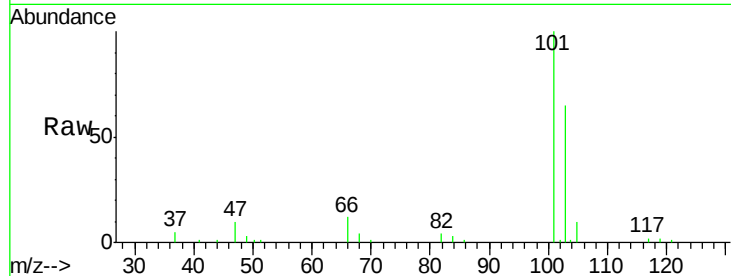
Trichlorofluoromethane
 Concen: 20.680 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VN059732.D
 Acq: 16 Jan 2020 15:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0116WBSD01

Tot Ion:101 Resp: 65507
 Ion Ratio Lower Upper
 101 100
 103 64.6 51.0 76.6

Manual Integrations
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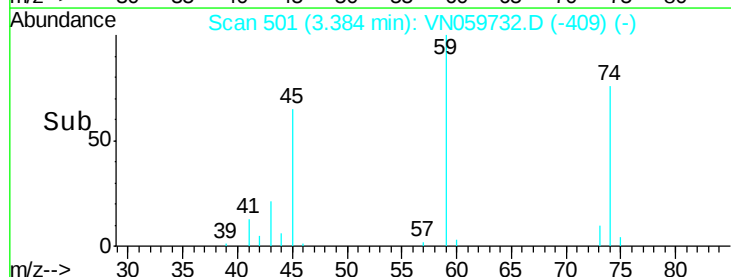
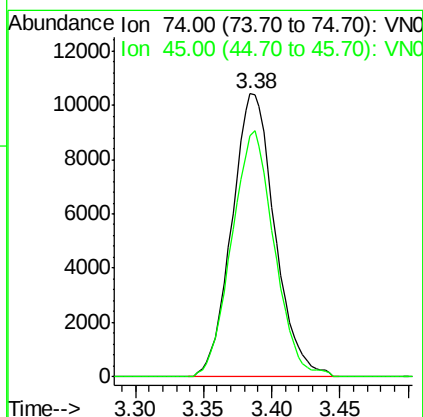
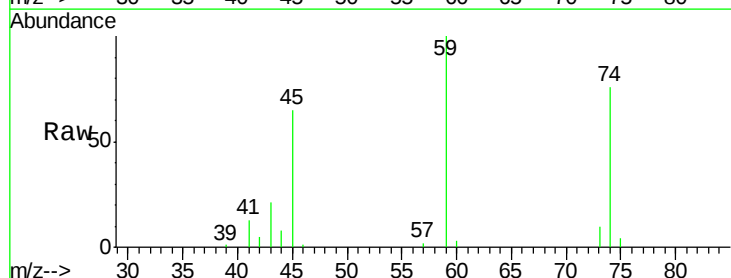
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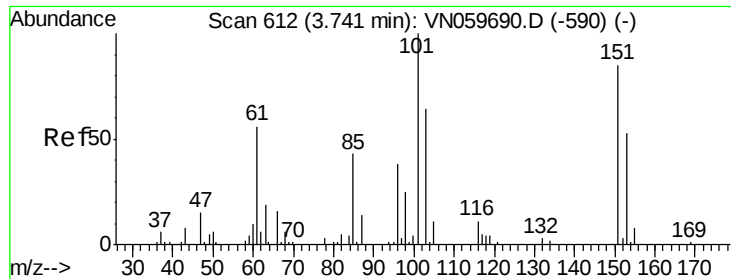


#8

Diethyl Ether
 Concen: 20.481 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN059732.D
 Acq: 16 Jan 2020 15:18

Tgt Ion: 74 Resp: 22769
 Ion Ratio Lower Upper
 74 100
 45 86.0 51.9 155.8





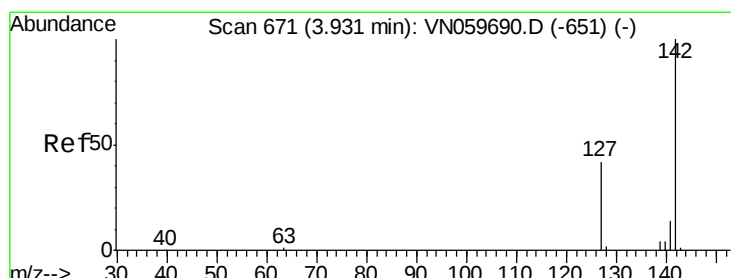
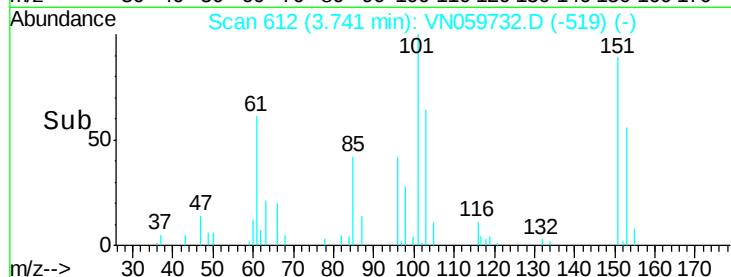
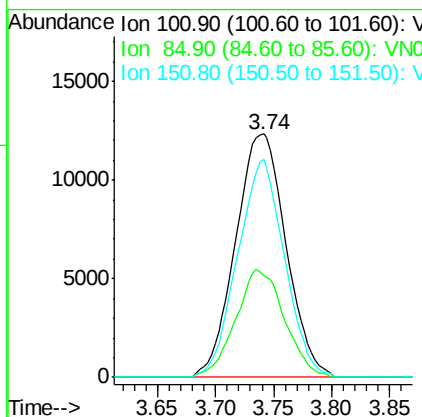
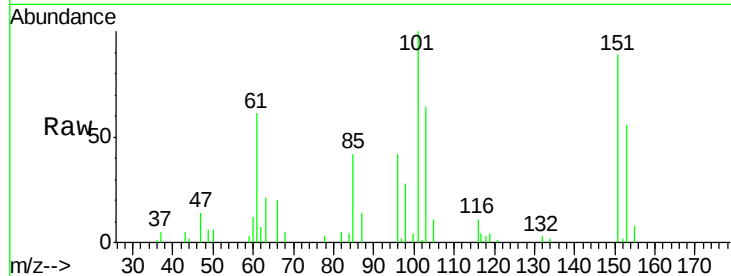
#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.177 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN059732.D
Acq: 16 Jan 2020 15:18

Instrument :
MSVOA_N
ClientSampleId :
VN0116WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
85	42.7	36.6	54.8
151	82.9	59.7	89.5

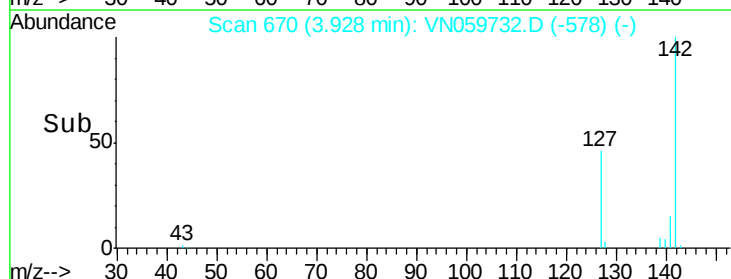
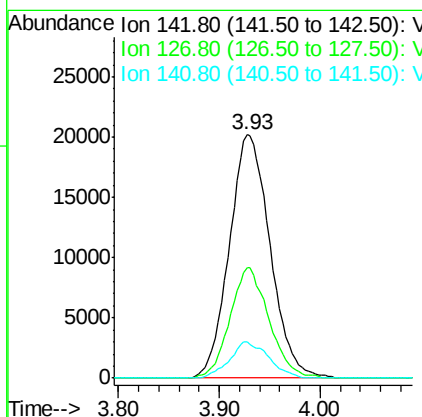
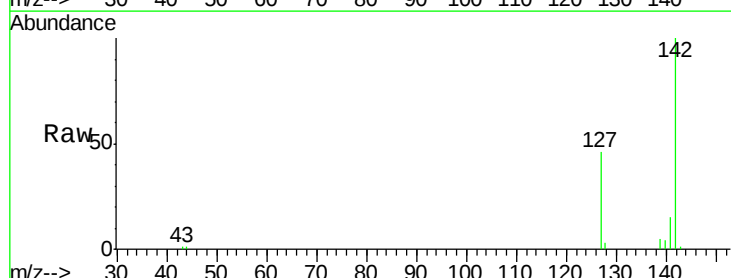
Manual Integrations
APPROVED

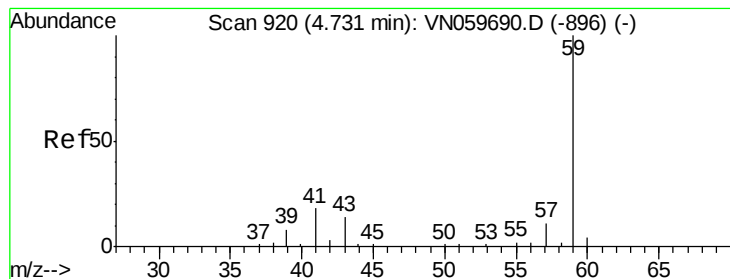
MMDadoda
1/17/2020 1:53:13 PM



#10
Methyl Iodide
Concen: 19.881 ug/l
RT: 3.93 min Scan# 670
Delta R.T. -0.00 min
Lab File: VN059732.D
Acq: 16 Jan 2020 15:18

Tgt Ion	Ratio	Lower	Upper
142	100		
127	43.4	36.7	55.1
141	14.4	11.7	17.5





#11

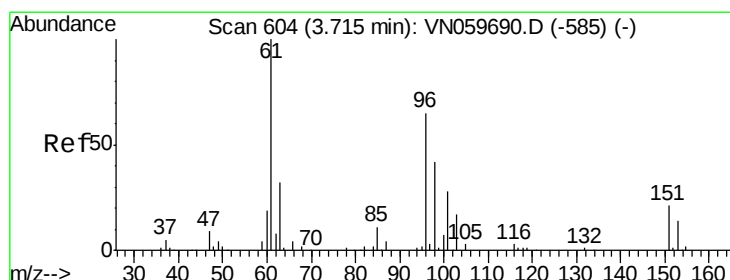
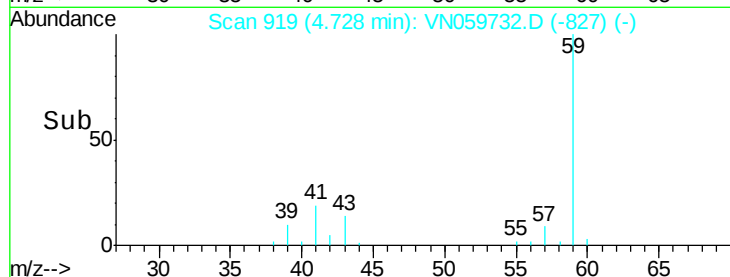
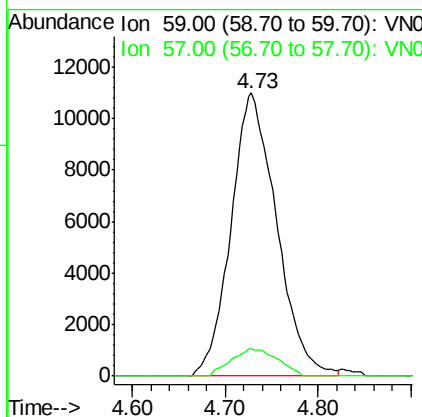
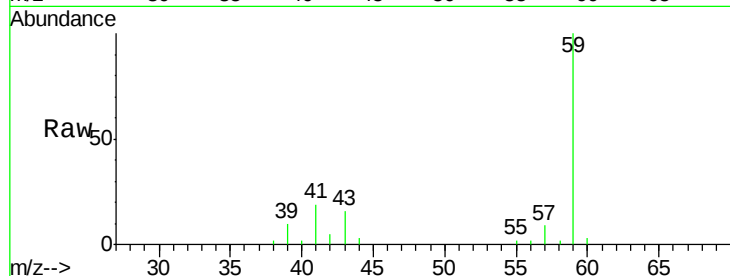
Tert butyl alcohol
 Concen: 99.605 ug/l
 RT: 4.73 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VN059732.D
 Acq: 16 Jan 2020 15:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0116WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.6	12.8

Manual Integrations
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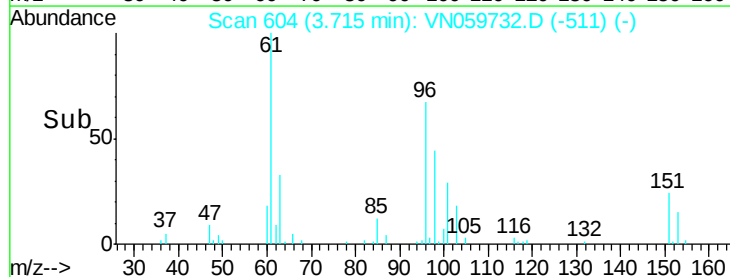
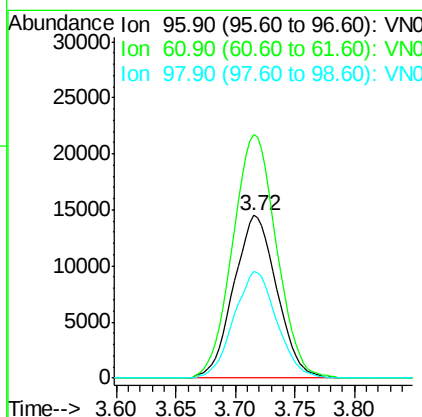
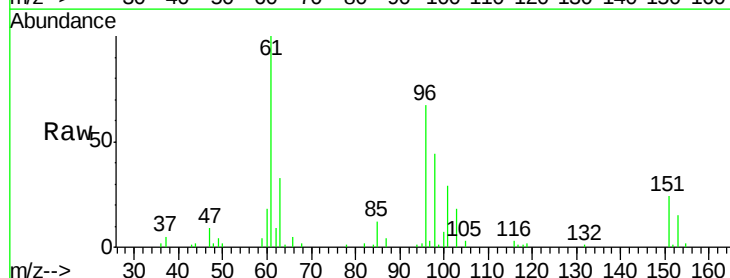
MMDadoda
 1/17/2020 1:53:13 PM

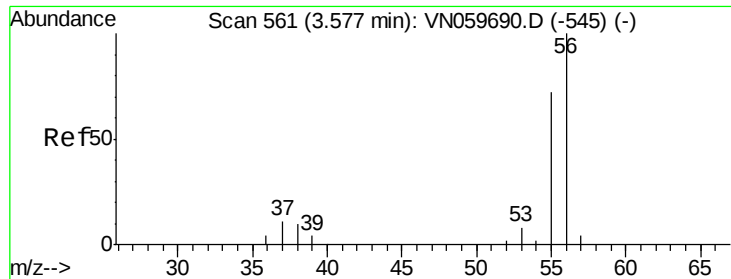


#12

1,1-Dichloroethene
 Concen: 19.776 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN059732.D
 Acq: 16 Jan 2020 15:18

Tgt Ion	Ratio	Lower	Upper
96	100		
61	149.6	137.5	206.3
98	65.5	50.2	75.4





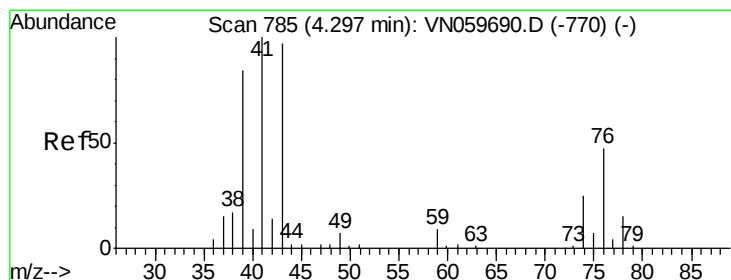
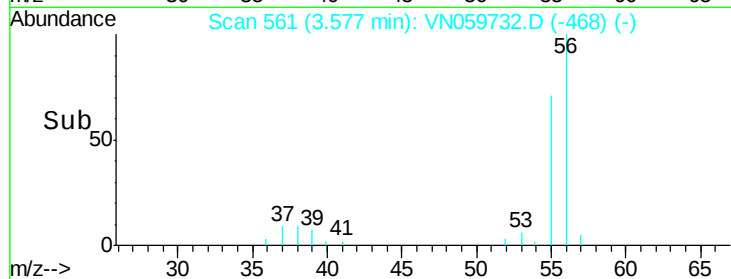
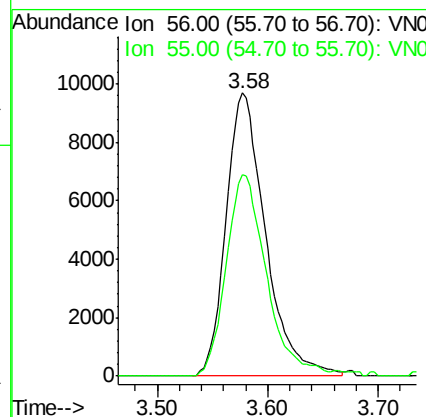
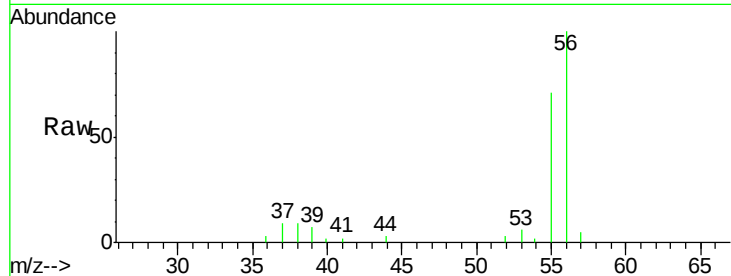
#13
Acrolein
Concen: 90.202 ug/l
RT: 3.58 min Scan# 561
Delta R.T. 0.00 min
Lab File: VN059732.D
Acq: 16 Jan 2020 15:18

Instrument :
MSVOA_N
ClientSampleId :
VN0116WBSD01

Tot Ion: 56 Resp: 24037
Ion Ratio Lower Upper
56 100
55 72.4 58.6 88.0

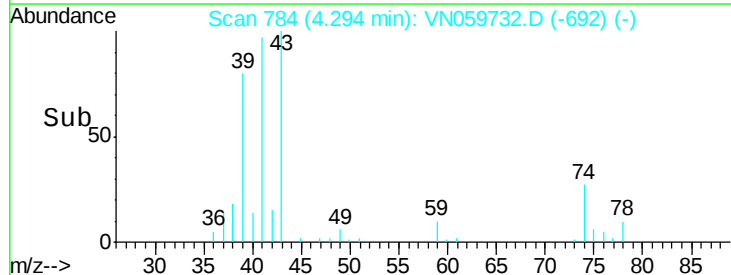
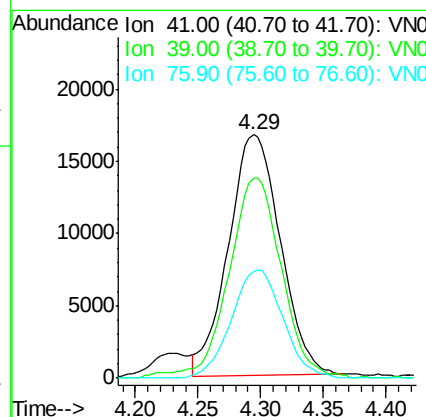
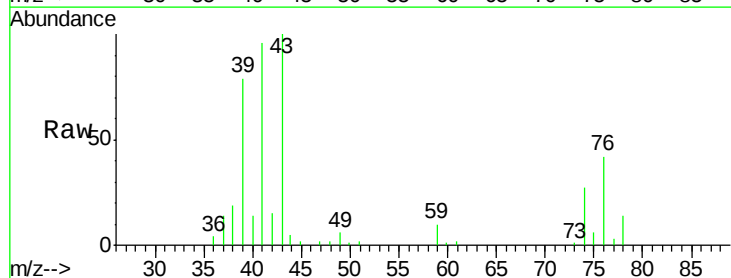
Manual Integrations
APPROVED

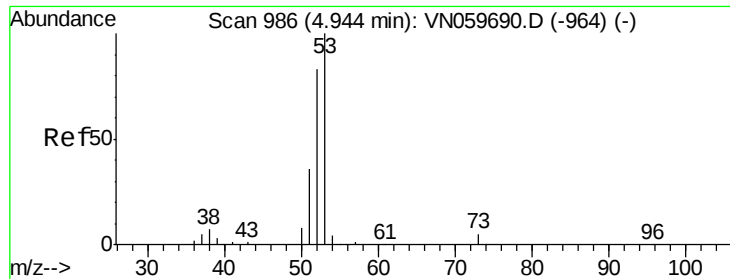
MMDadoda
1/17/2020 1:53:13 PM



#14
Allyl chloride
Concen: 19.395 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN059732.D
Acq: 16 Jan 2020 15:18

Tgt Ion: 41 Resp: 48161
Ion Ratio Lower Upper
41 100
39 84.1 57.8 86.8
76 44.5 25.4 38.0#





#15

Acrylonitrile

Concen: 100.815 ug/l

RT: 4.95 min Scan# 987

Delta R.T. 0.00 min

Lab File: VN059732.D

Acq: 16 Jan 2020 15:18

Instrument :

MSVOA_N

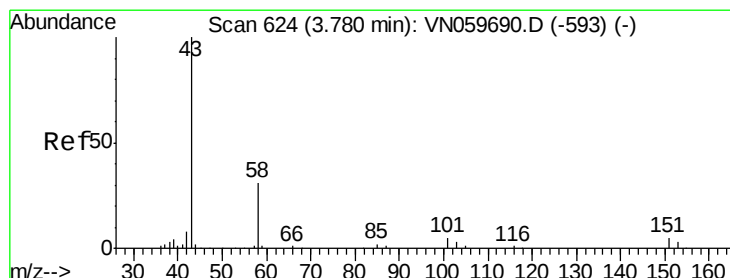
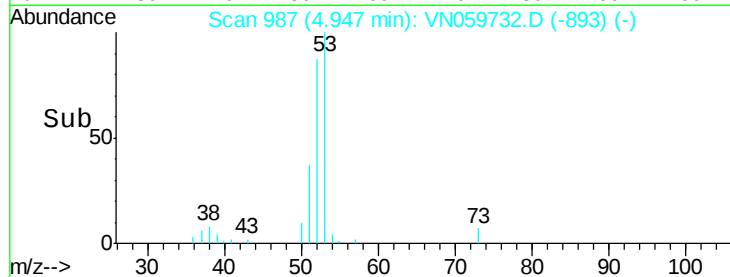
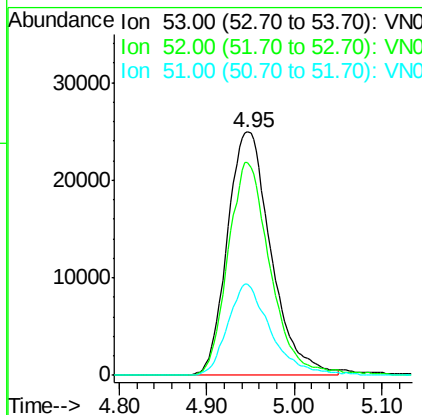
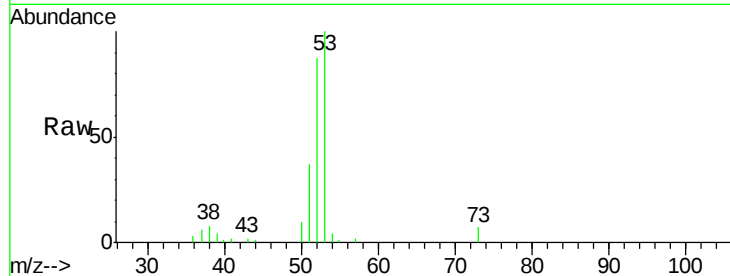
ClientSampleId :

VN0116WBSD01

Tot Ion:	53	Resp:	86571
Ion Ratio	Lower	Upper	
53	100		
52	83.5	66.3	99.5
51	36.9	29.7	44.5

Manual Integrations
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MMDadoda
1/17/2020 1:53:13 PM



#16

Acetone

Concen: 89.464 ug/l

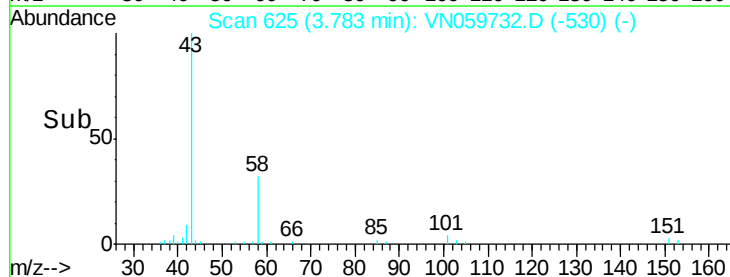
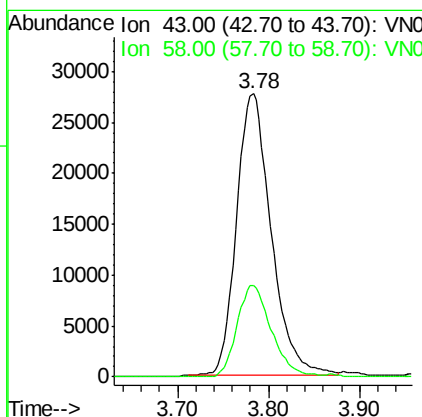
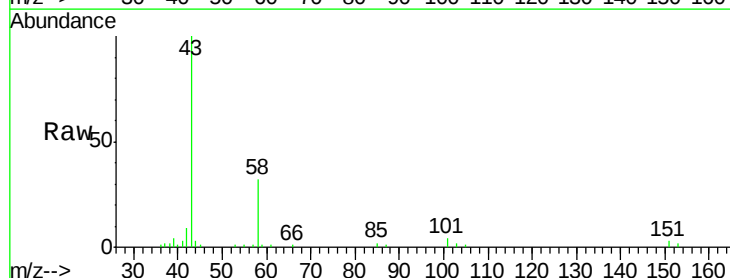
RT: 3.78 min Scan# 625

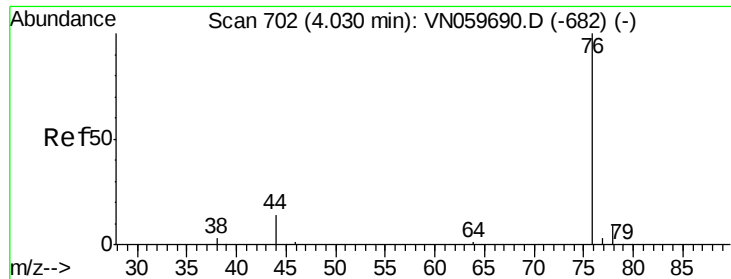
Delta R.T. 0.00 min

Lab File: VN059732.D

Acq: 16 Jan 2020 15:18

Tgt Ion:	43	Resp:	73137
Ion Ratio	Lower	Upper	
43	100		
58	32.5	23.6	35.4





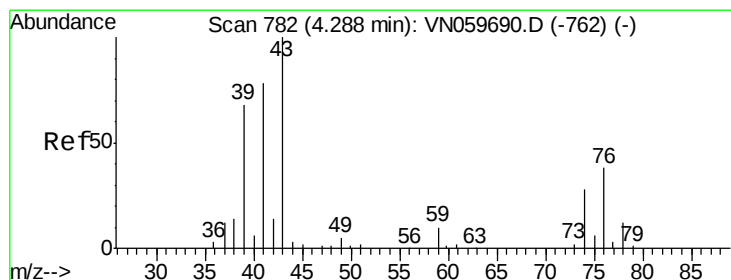
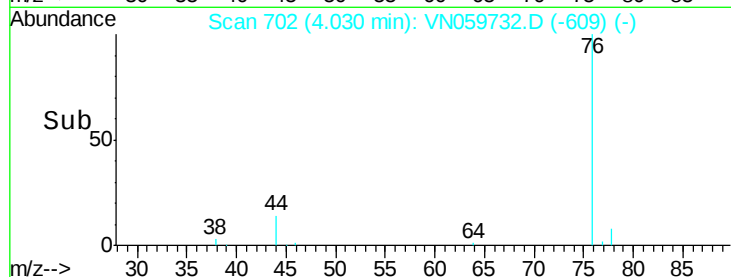
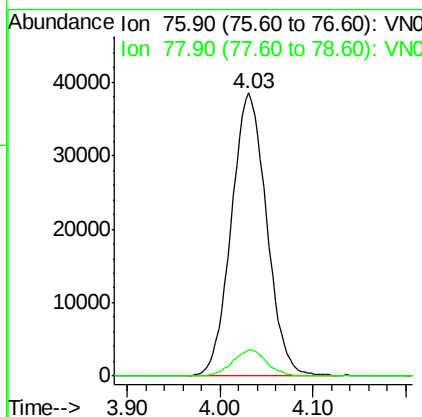
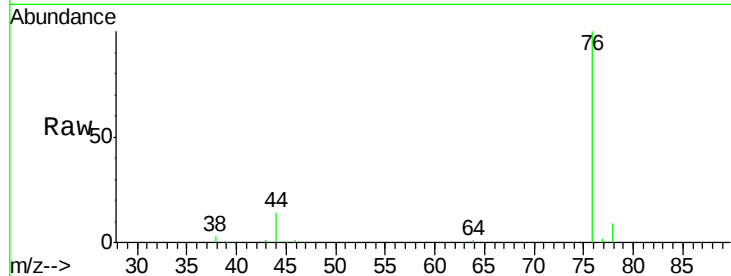
#17
Carbon Disulfide
Concen: 19.387 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN059732.D
Acq: 16 Jan 2020 15:18

Instrument :
MSVOA_N
ClientSampleId :
VN0116WBSD01

Tot Ion: 76 Resp: 101742
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.0

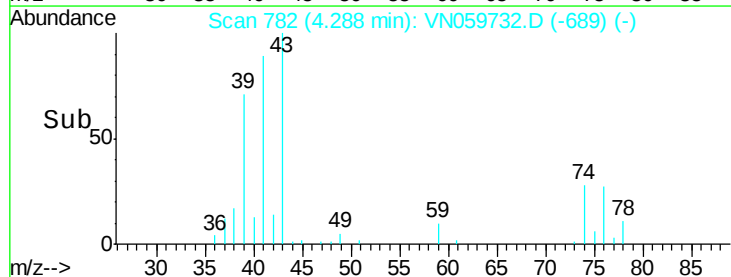
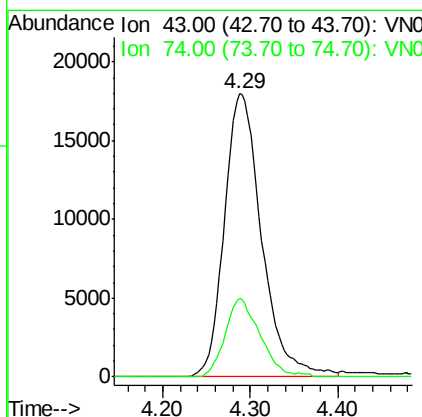
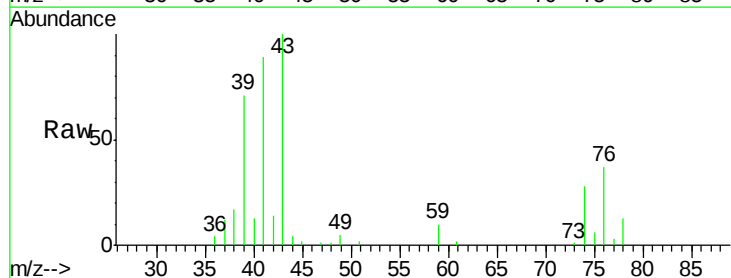
Manual Integrations
APPROVED

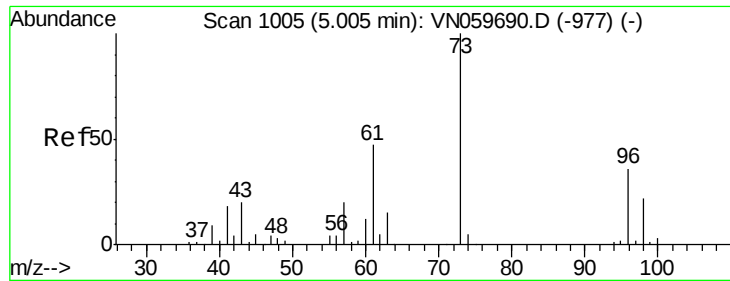
MMDadoda
1/17/2020 1:53:13 PM



#18
Methyl Acetate
Concen: 20.362 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.00 min
Lab File: VN059732.D
Acq: 16 Jan 2020 15:18

Tgt Ion: 43 Resp: 53186
Ion Ratio Lower Upper
43 100
74 26.0 17.5 26.3





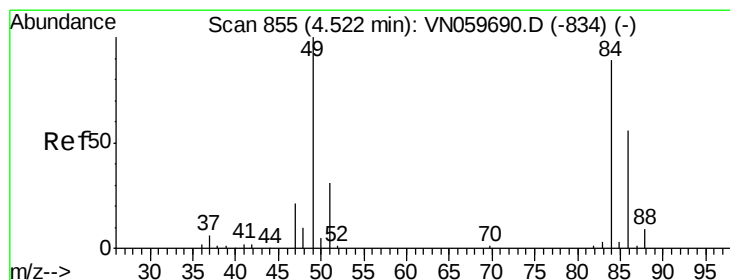
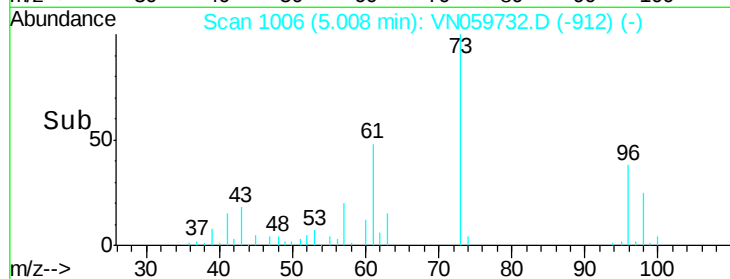
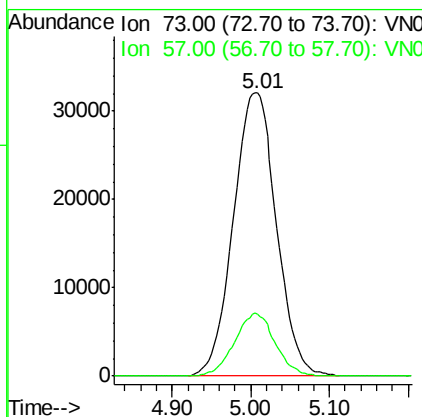
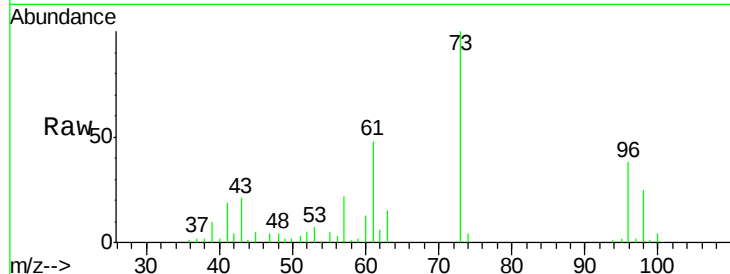
#19
Methvl tert-butvl Ether
Concen: 20.437 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. 0.00 min
Lab File: VN059732.D
Acq: 16 Jan 2020 15:18

Instrument :
MSVOA_N
ClientSampleId :
VN0116WBSD01

Tot Ion: 73 Resp: 122757
Ion Ratio Lower Upper
73 100
57 22.0 18.6 27.8

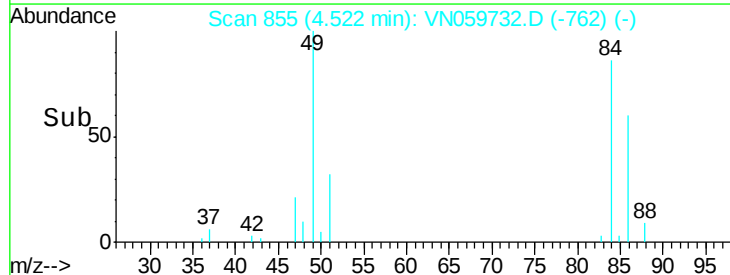
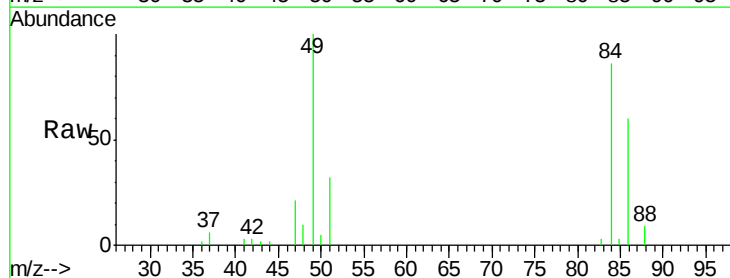
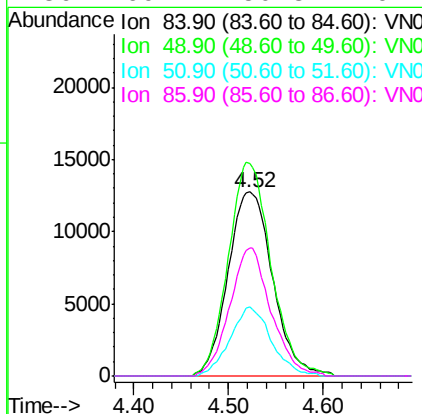
Manual Integrations
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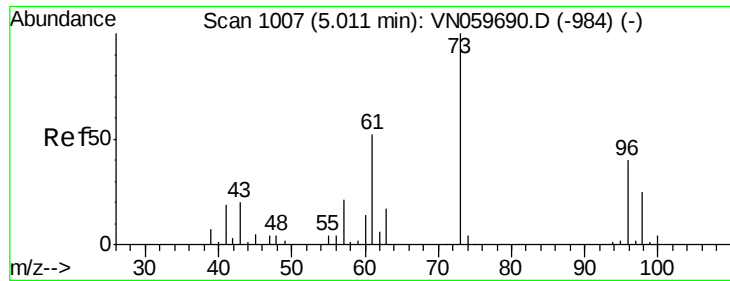
MMDadoda
1/17/2020 1:53:13 PM



#20
Methylene Chloride
Concen: 19.904 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059732.D
Acq: 16 Jan 2020 15:18

Tgt Ion: 84 Resp: 41845
Ion Ratio Lower Upper
84 100
49 115.7 106.6 160.0
51 37.2 31.9 47.9
86 69.4 50.8 76.2





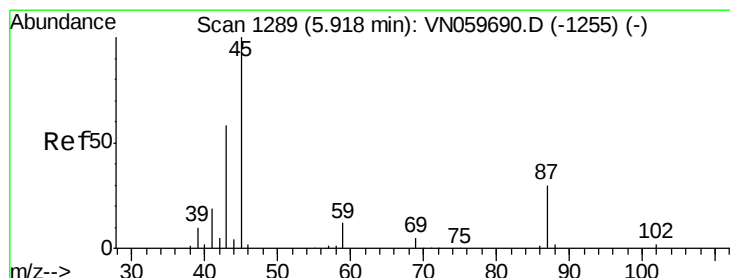
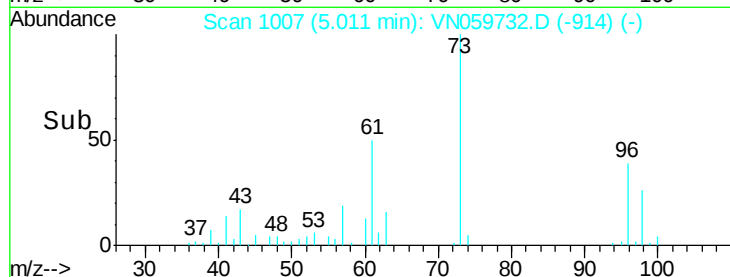
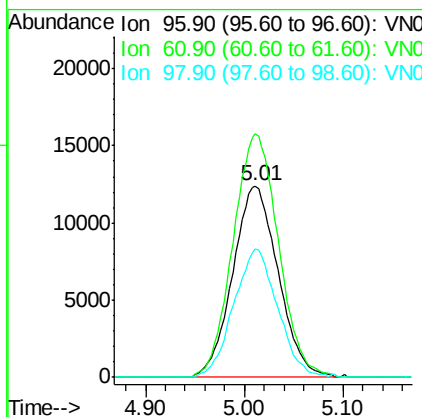
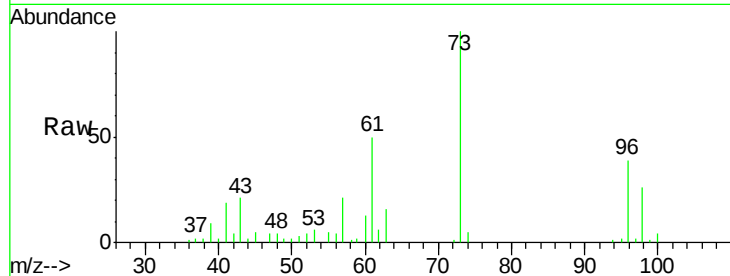
#21
trans-1,2-Dichloroethene
Concen: 20.179 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VN059732.D
Acq: 16 Jan 2020 15:18

Instrument :
MSVOA_N
ClientSampleId :
VN0116WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	127.0	120.4	180.6
98	66.6	50.6	75.8

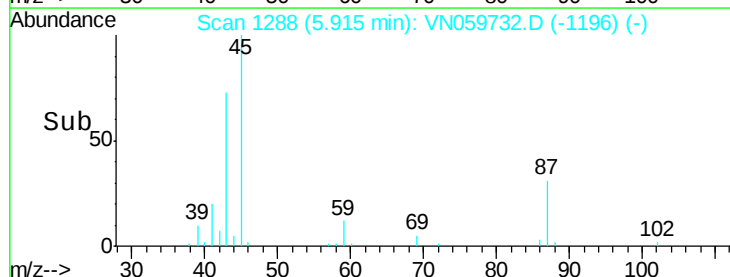
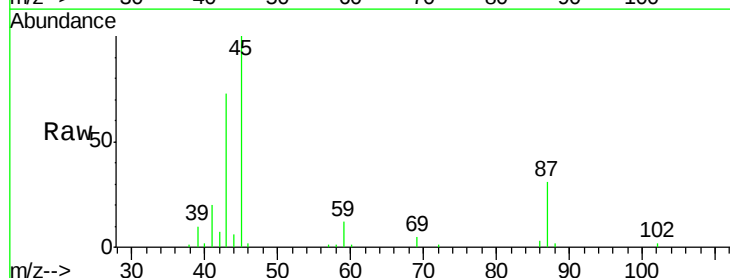
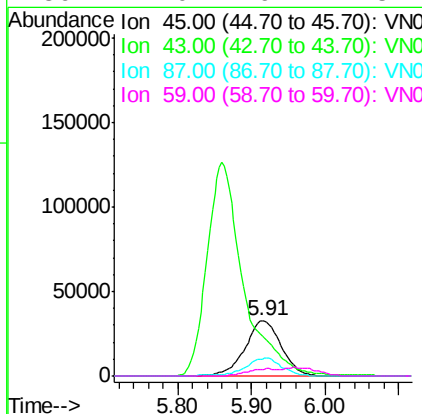
Manual Integrations
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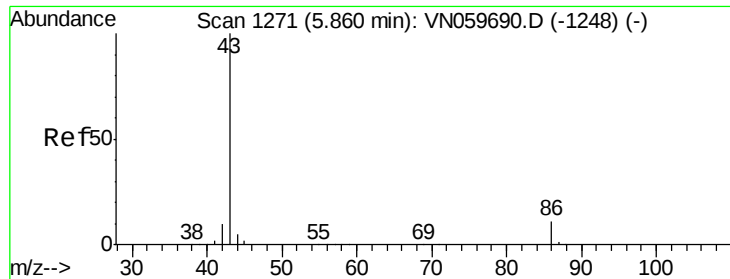
MMDadoda
1/17/2020 1:53:13 PM



#22
Diisopropyl ether
Concen: 19.828 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VN059732.D
Acq: 16 Jan 2020 15:18

Tgt Ion	Ratio	Lower	Upper
45	100		
43	70.7	50.8	76.2
87	31.4	21.0	31.6
59	12.0	9.1	13.7





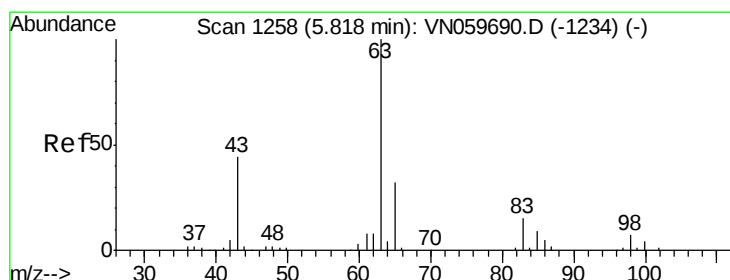
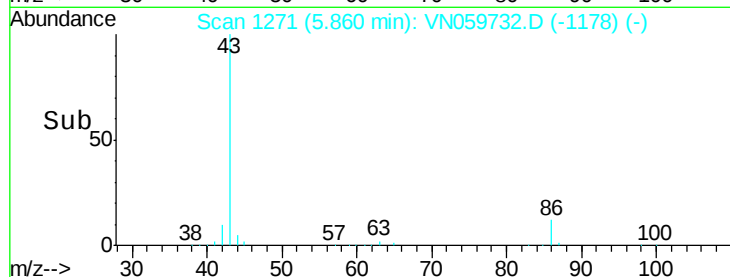
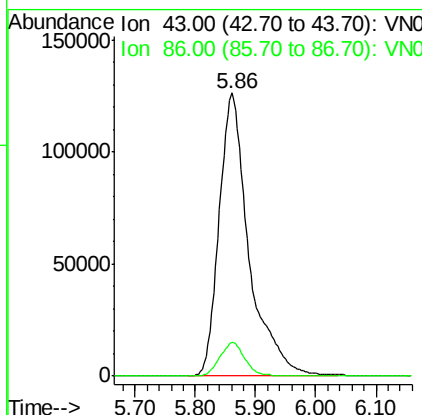
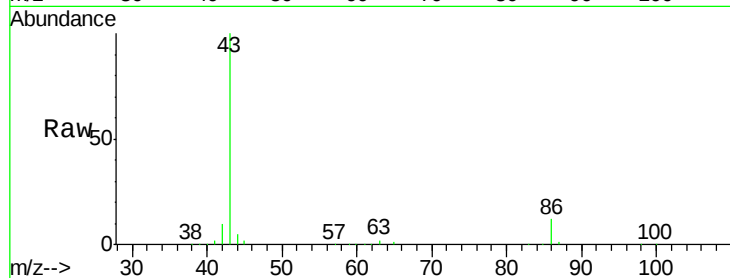
#23
 Vinyl Acetate
 Concen: 99.626 ug/l
 RT: 5.86 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VN059732.D
 Acq: 16 Jan 2020 15:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0116WBSD01

Tot Ion	43	Resp	434056
Ion Ratio	100	Lower	Upper
86	11.8	7.6	11.4#

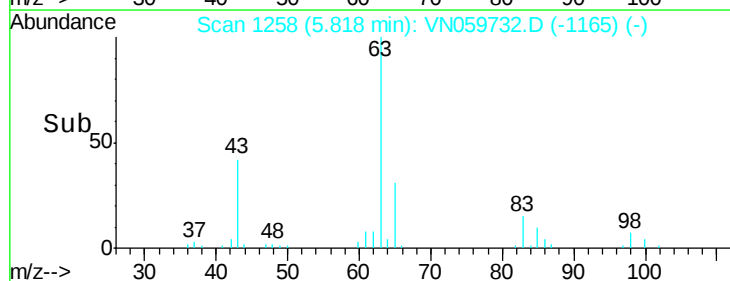
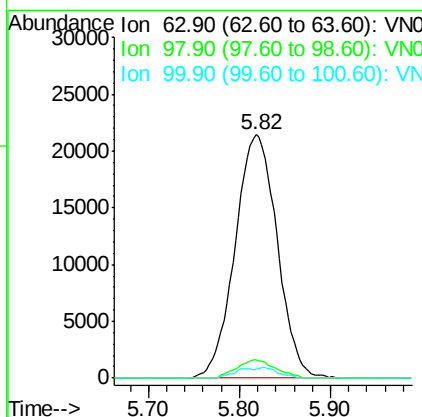
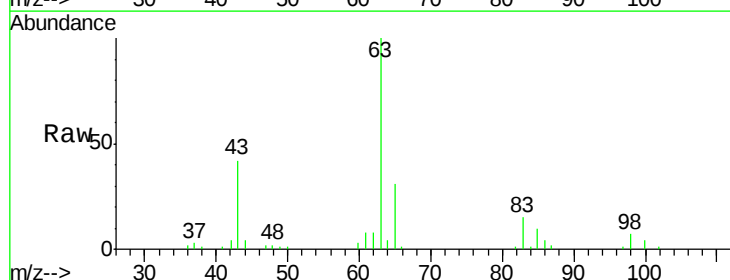
Manual Integrations
 APPROVED

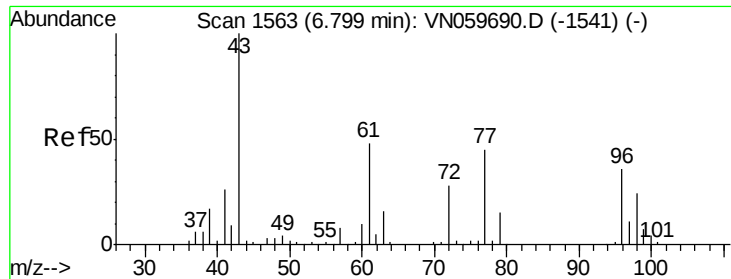
MMDadoda
 1/17/2020 1:53:13 PM



#24
 1,1-Dichloroethane
 Concen: 20.014 ug/l
 RT: 5.82 min Scan# 1258
 Delta R.T. 0.00 min
 Lab File: VN059732.D
 Acq: 16 Jan 2020 15:18

Tgt Ion	63	Resp	68816
Ion Ratio	100	Lower	Upper
98	7.4	2.9	8.7
100	3.7	2.0	6.0





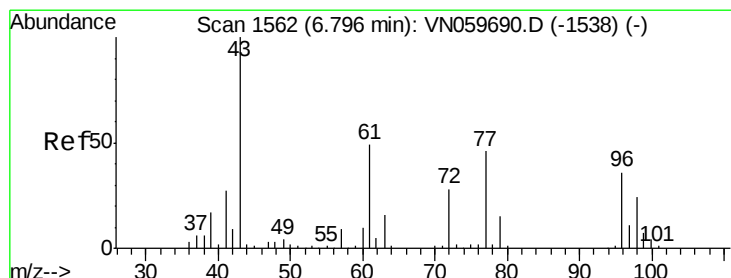
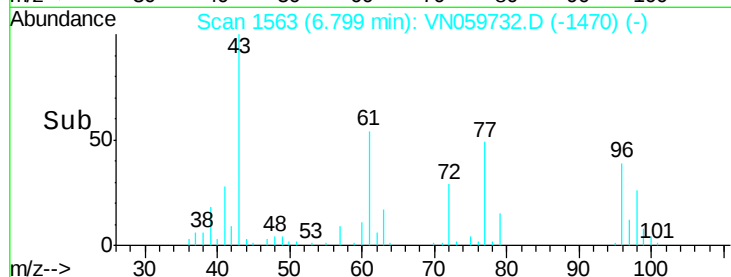
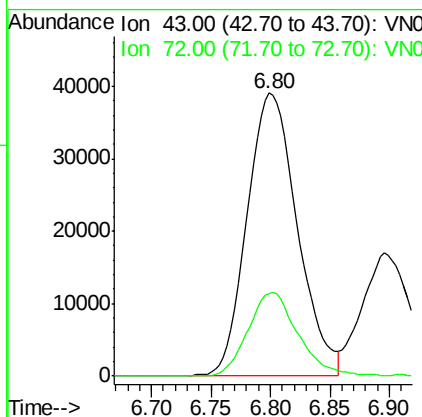
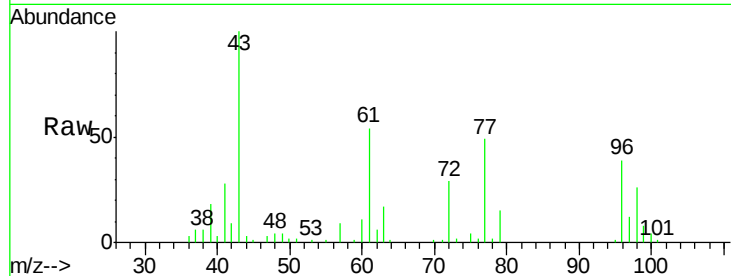
#25
2-Butanone
Concen: 90.344 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VN059732.D
Acq: 16 Jan 2020 15:18

Instrument :
MSVOA_N
ClientSampleId :
VN0116WBSD01

Tot Ion: 43 Resp: 114405
Ion Ratio Lower Upper
43 100
72 29.2 19.9 29.9

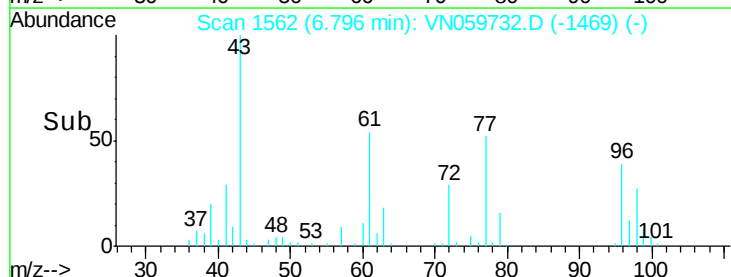
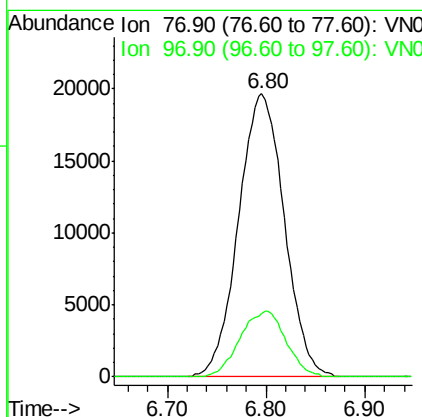
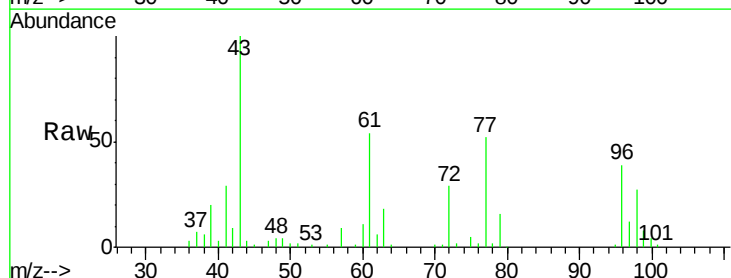
Manual Integrations
APPROVED

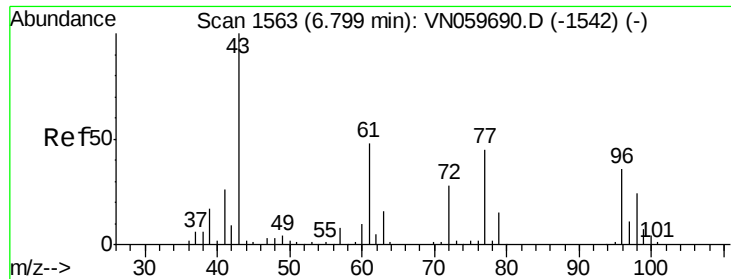
MMDadoda
1/17/2020 1:53:13 PM



#26
2,2-Dichloropropane
Concen: 19.103 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VN059732.D
Acq: 16 Jan 2020 15:18

Tgt Ion: 77 Resp: 63148
Ion Ratio Lower Upper
77 100
97 23.4 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 19.877 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059732.D

Acq: 16 Jan 2020 15:18

Instrument :

MSVOA_N

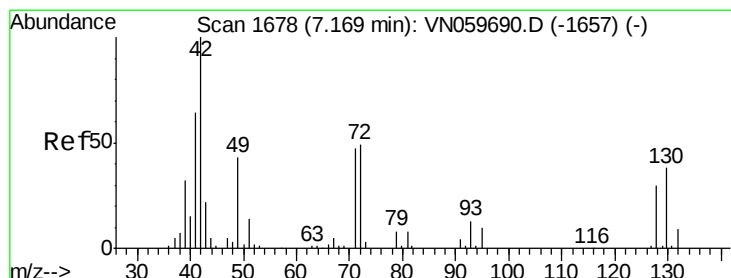
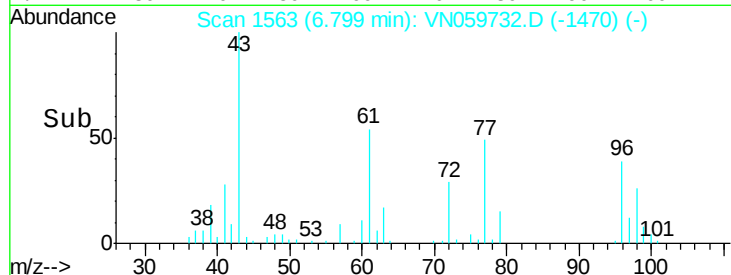
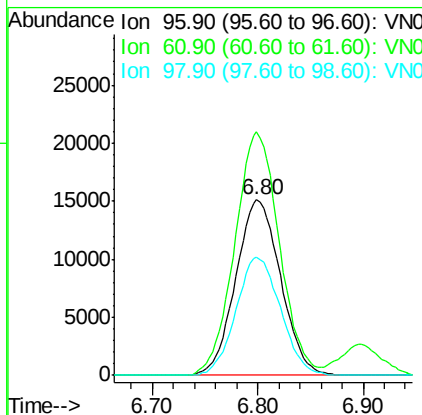
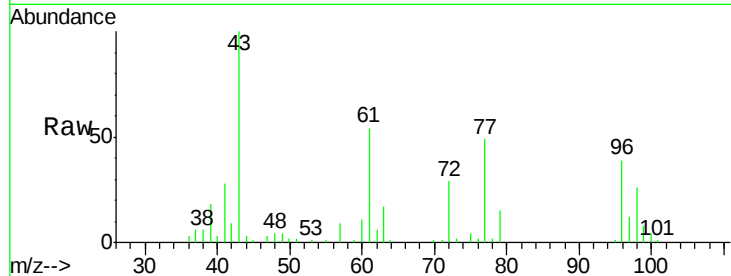
ClientSampleId :

VN0116WBSD01

Tot Ion:	96	Resp:	44771
Ion	Ratio	Lower	Upper
96	100		
61	137.3	0.0	317.6
98	66.8	0.0	127.0

Manual Integrations
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MMDadoda
1/17/2020 1:53:13 PM



#28

Bromochloromethane

Concen: 19.686 ug/l

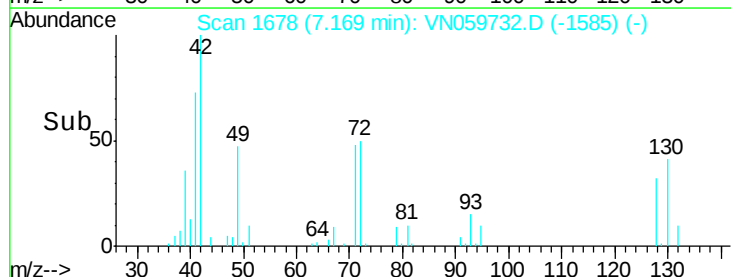
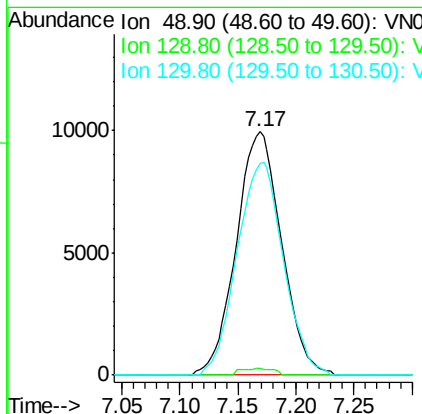
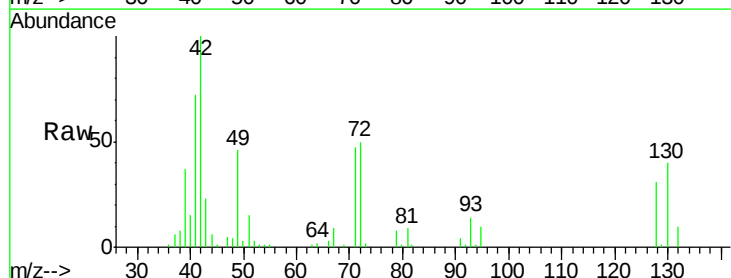
RT: 7.17 min Scan# 1678

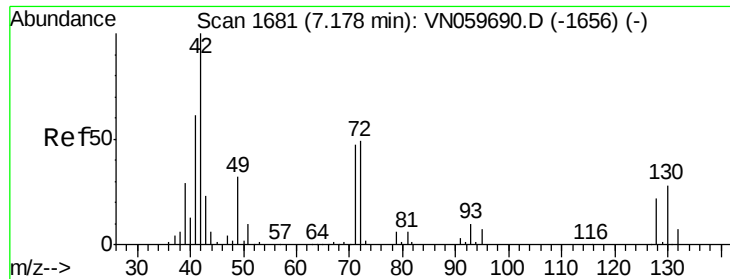
Delta R.T. 0.00 min

Lab File: VN059732.D

Acq: 16 Jan 2020 15:18

Tgt Ion:	49	Resp:	27054
Ion	Ratio	Lower	Upper
49	100		
129	0.2	0.0	3.4
130	89.3	54.7	82.1#





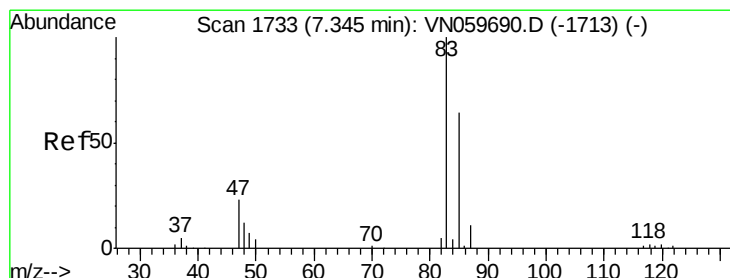
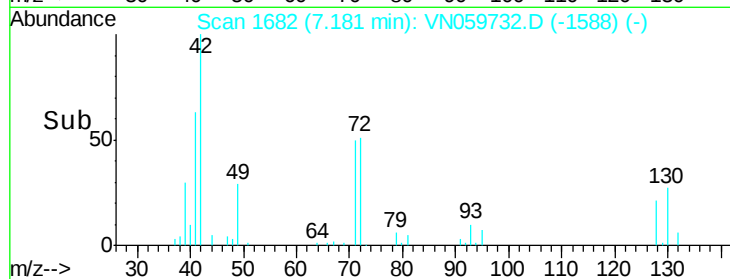
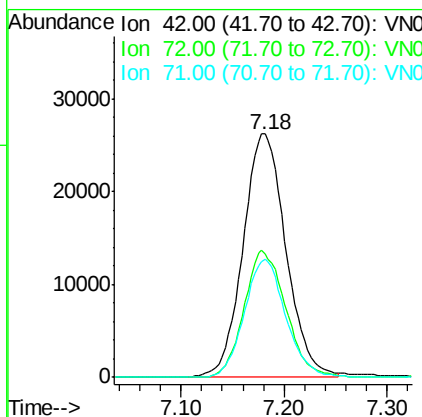
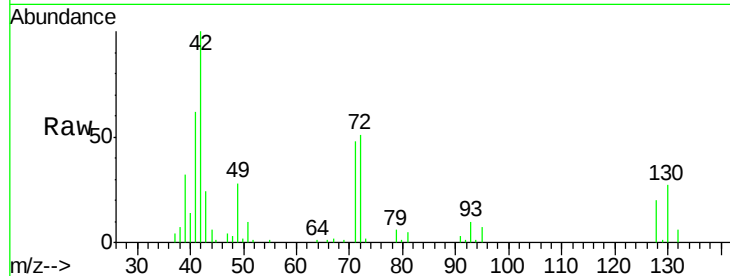
#29
Tetrahydrofuran
Concen: 96.713 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN059732.D
Acq: 16 Jan 2020 15:18

Instrument :
MSVOA_N
ClientSampleId :
VN0116WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.6	33.1	49.7#
71	46.7	31.4	47.0

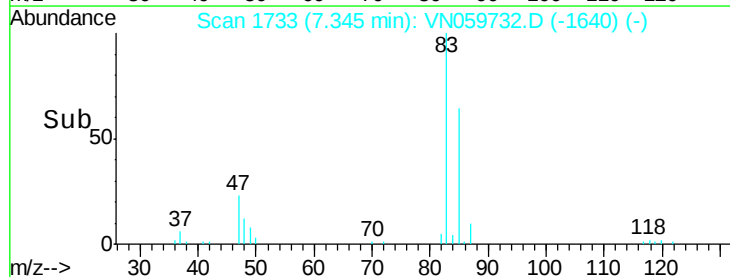
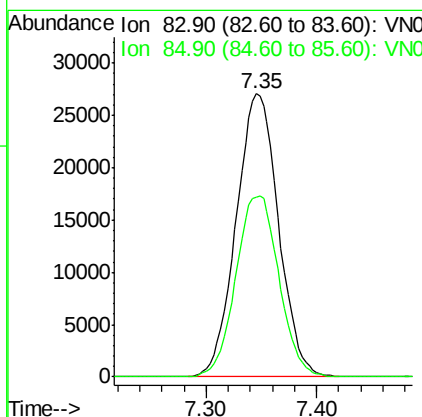
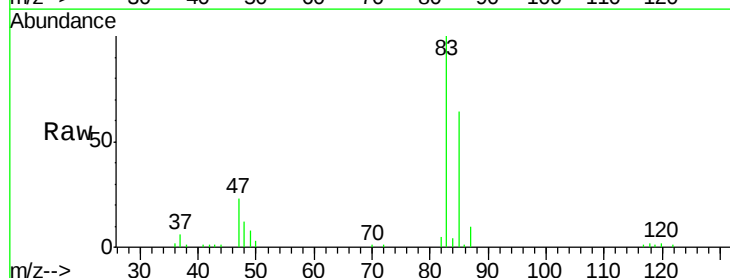
Manual Integrations
APPROVED

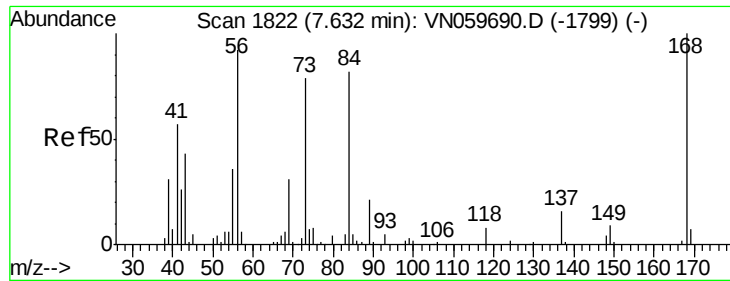
MMDadoda
1/17/2020 1:53:13 PM



#30
Chloroform
Concen: 20.194 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN059732.D
Acq: 16 Jan 2020 15:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	52.4	78.6





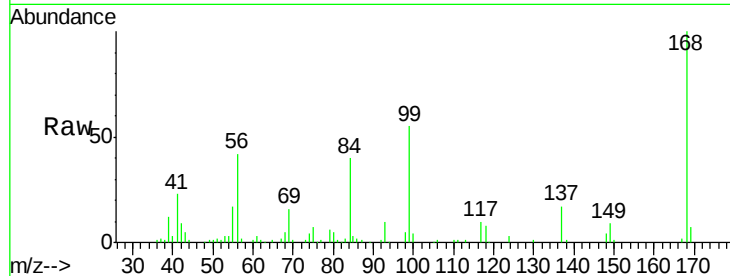
#31
Cyclohexane
Concen: 19.433 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VN059732.D
Acq: 16 Jan 2020 15:18

Instrument :
MSVOA_N
ClientSampleId :
VN0116WBSD01

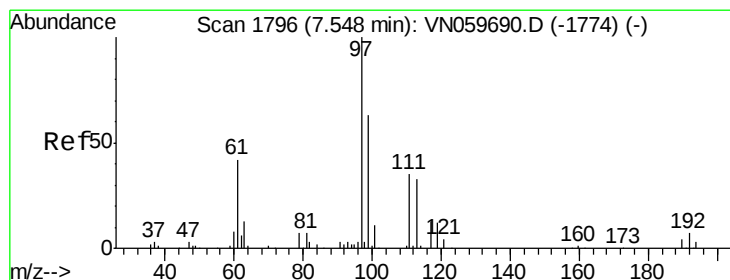
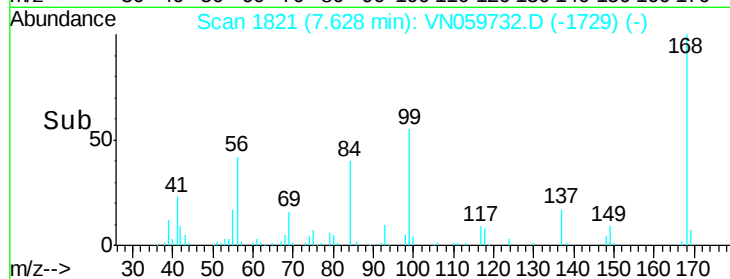
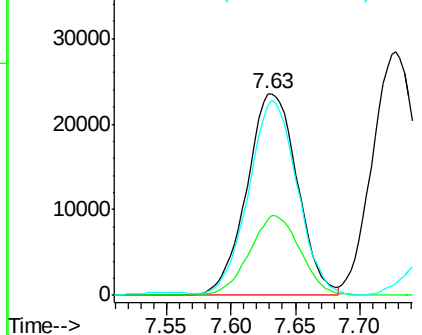
Tot Ion	Ratio	Lower	Upper
56	100		
69	37.7	26.5	39.7
84	93.3	65.3	97.9

Manual Integrations
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1/17/2020 1:53:13 PM

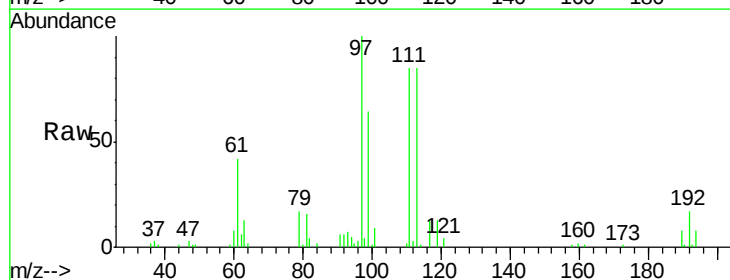


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

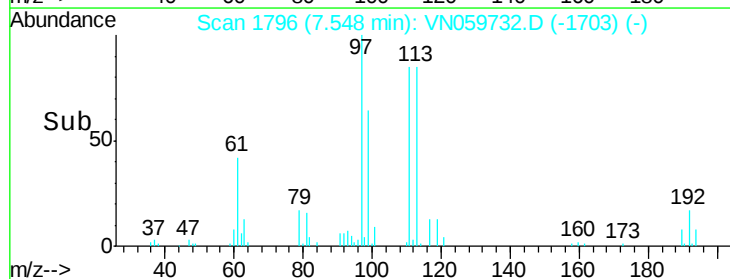
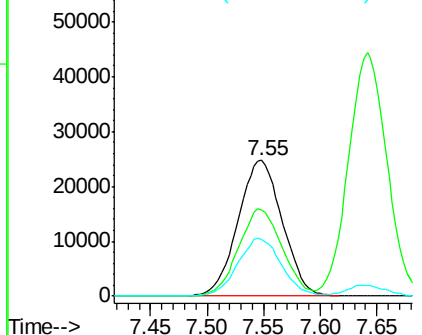


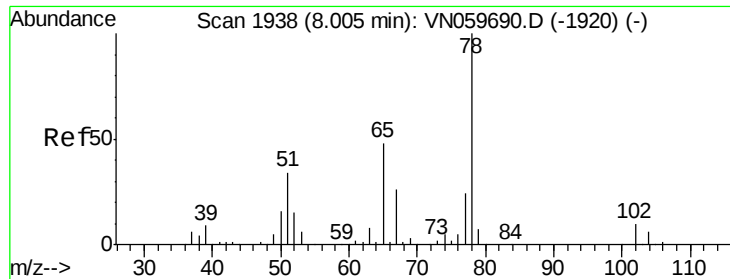
#32
1,1,1-Trichloroethane
Concen: 20.477 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN059732.D
Acq: 16 Jan 2020 15:18

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.0	76.4
61	41.7	38.5	57.7



Abundance Ion 96.90 (96.60 to 97.60): VNC
Ion 98.90 (98.60 to 99.60): VNC
Ion 60.90 (60.60 to 61.60): VNC





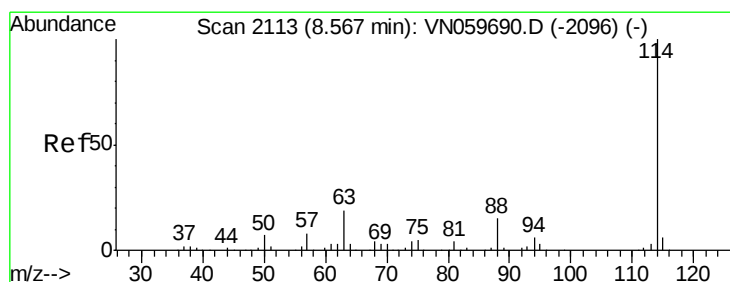
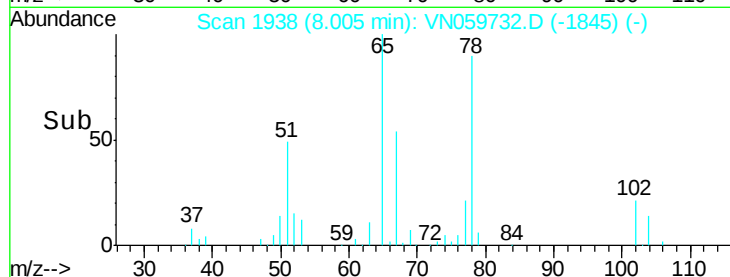
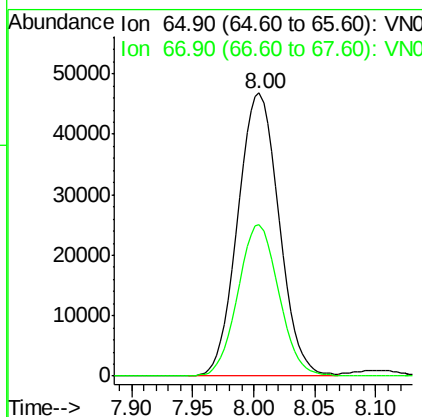
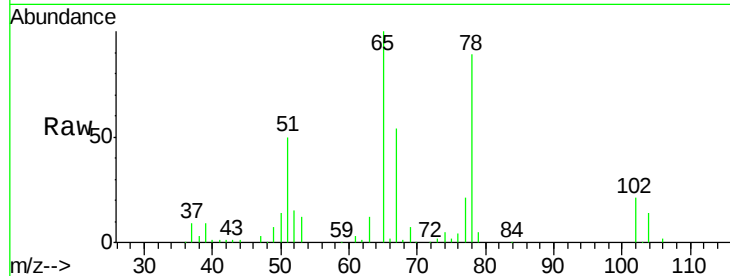
#33
 1,2-Dichloroethane-d4
 Concen: 49.150 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN059732.D
 Acq: 16 Jan 2020 15:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0116WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	109907		
67	53.0	0.0	103.0	

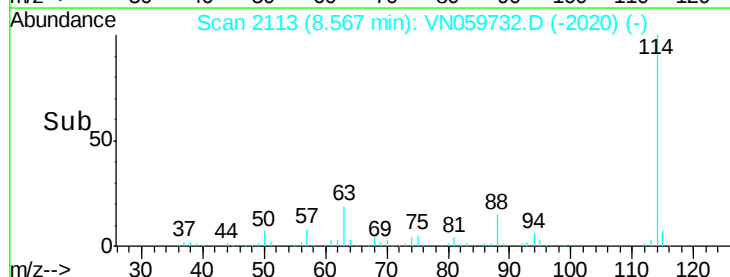
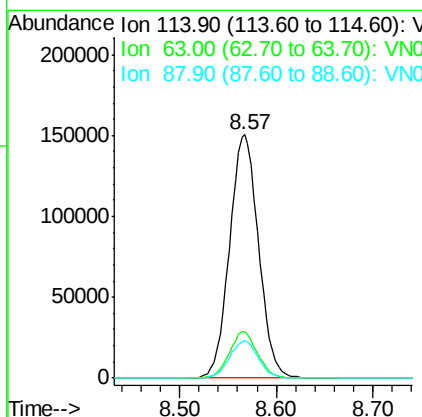
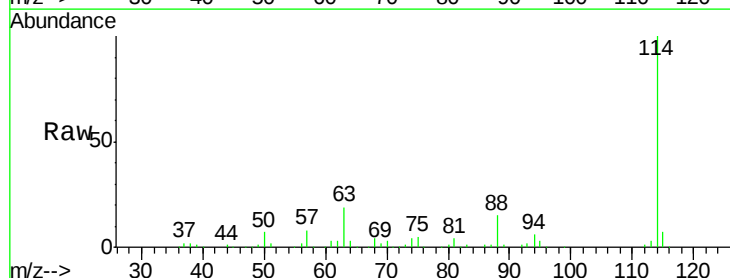
Manual Integrations
 APPROVED

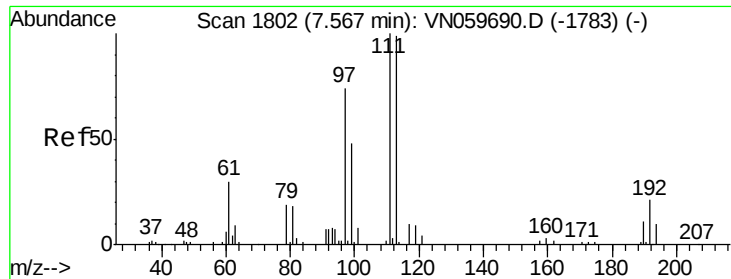
MMDadoda
 1/17/2020 1:53:13 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059732.D
 Acq: 16 Jan 2020 15:18

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	312923		
63	19.1	0.0	43.6	
88	15.3	0.0	31.4	





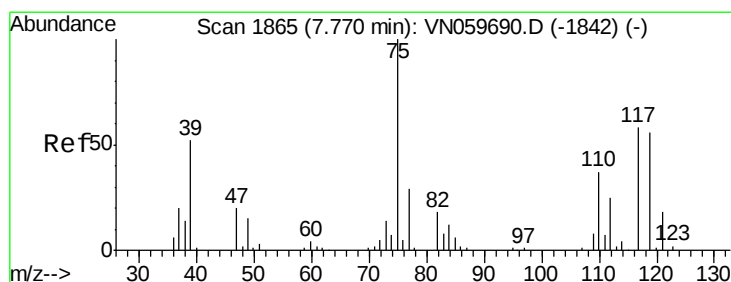
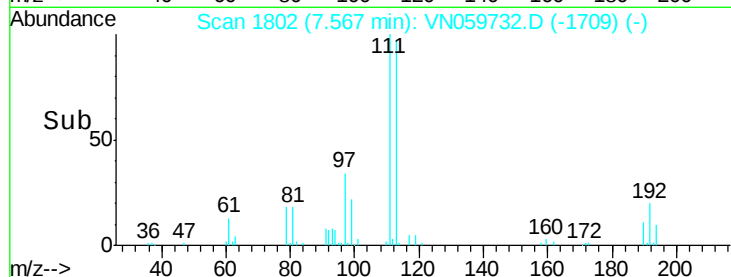
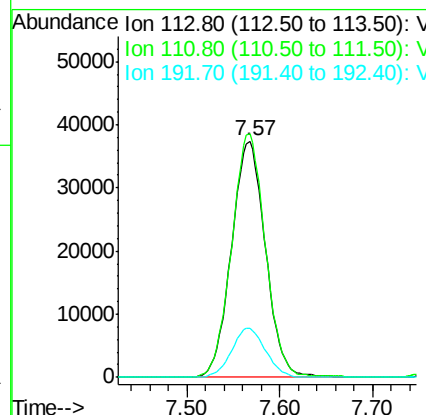
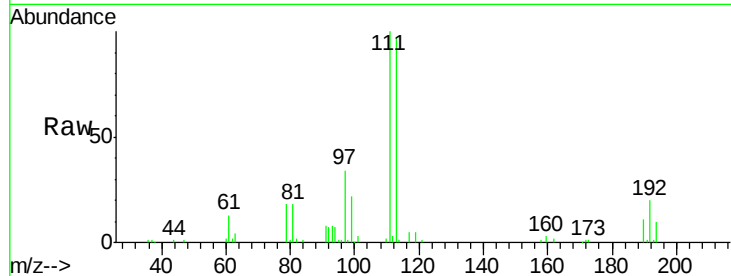
#35
Dibromofluoromethane
Concen: 50.870 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN059732.D
Acq: 16 Jan 2020 15:18

Instrument :
MSVOA_N
ClientSampleId :
VN0116WBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.7	83.5	125.3
192	20.8	15.4	23.2

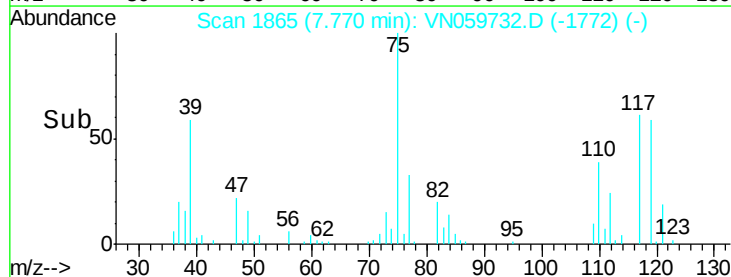
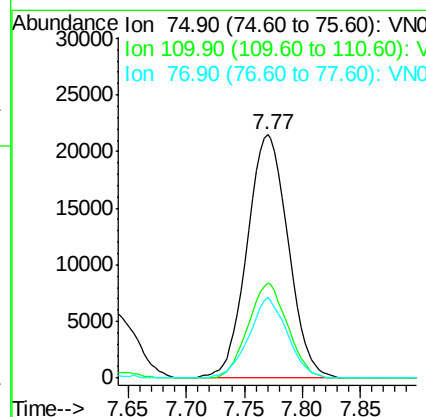
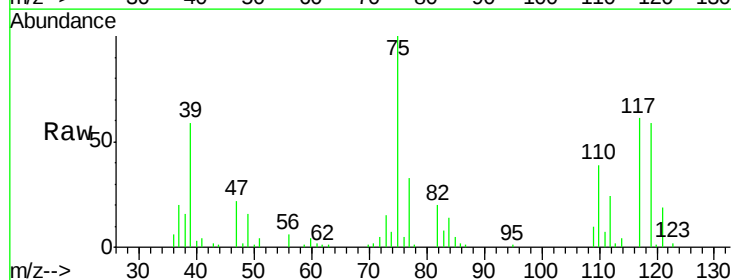
Manual Integrations
APPROVED

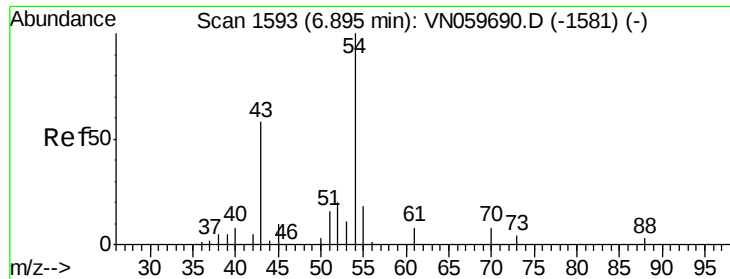
MMDadoda
1/17/2020 1:53:13 PM



#36
1,1-Dichloropropene
Concen: 19.462 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN059732.D
Acq: 16 Jan 2020 15:18

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.4	16.6	49.7
77	30.9	25.1	37.7





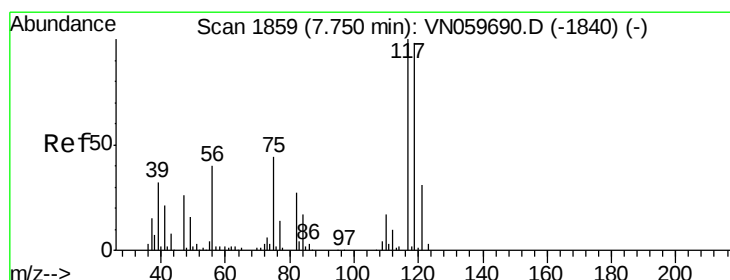
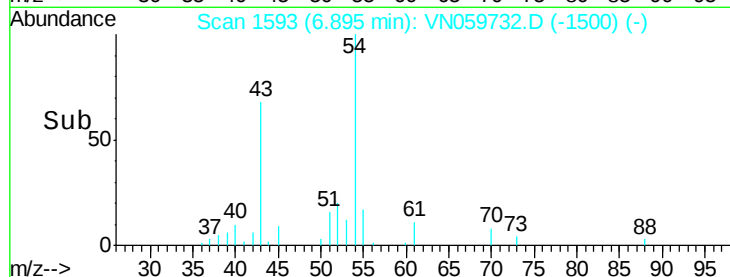
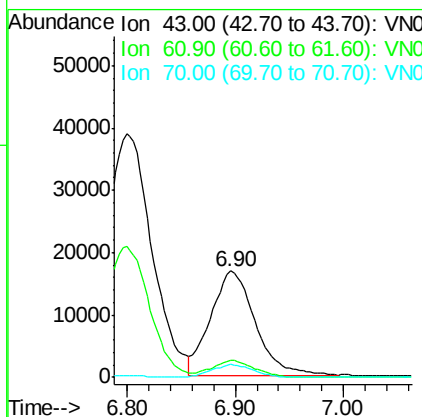
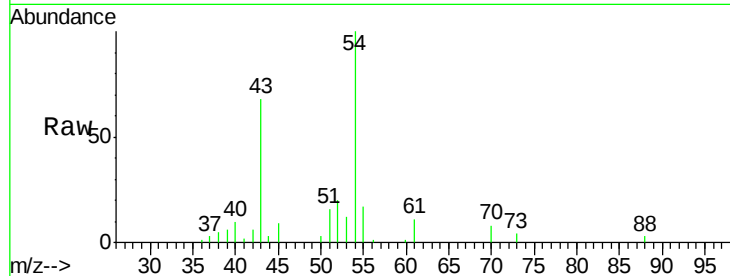
#37
Ethyl Acetate
Concen: 18.976 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN059732.D
Acq: 16 Jan 2020 15:18

Instrument :
MSVOA_N
ClientSampleId :
VN0116WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	10.9	16.3
70	11.2	7.7	11.5

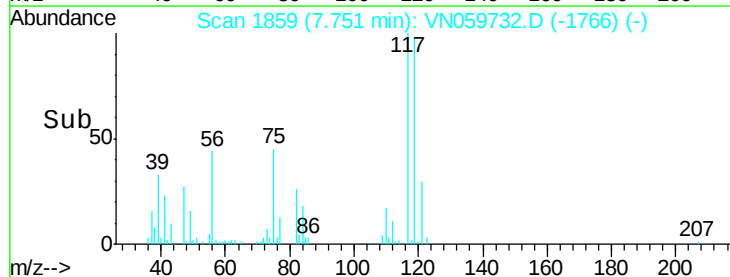
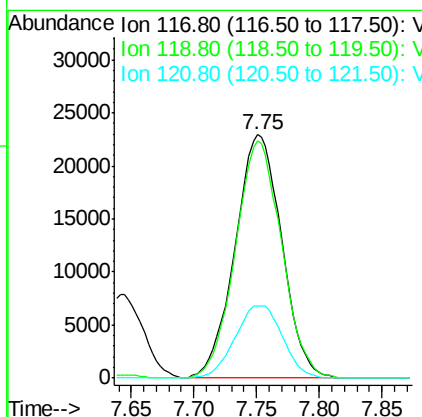
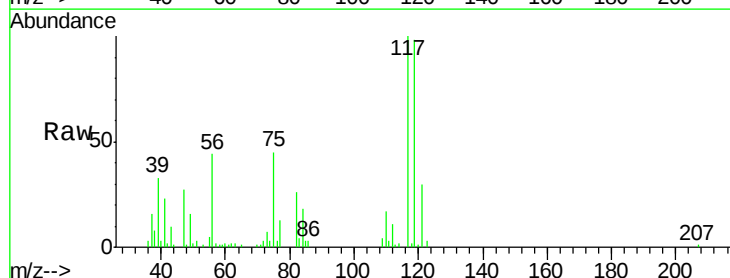
Manual Integrations
APPROVED

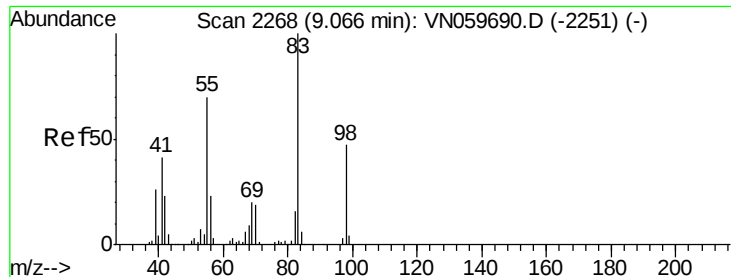
MMDadoda
1/17/2020 1:53:13 PM



#38
Carbon Tetrachloride
Concen: 19.957 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059732.D
Acq: 16 Jan 2020 15:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.6	76.5	114.7
121	29.8	25.1	37.7





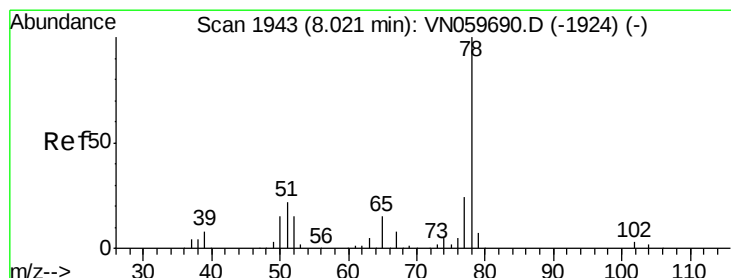
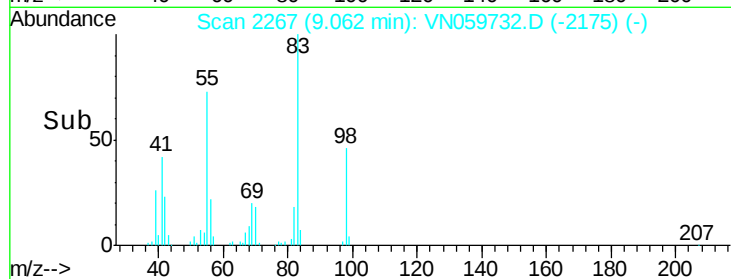
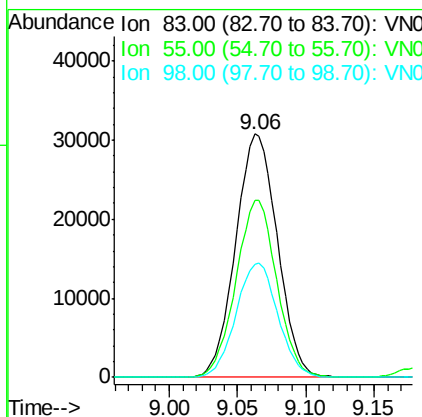
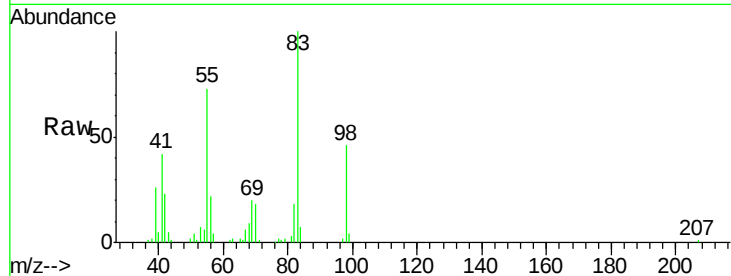
#39
Methvlcvclohexane
Concen: 19.490 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059732.D
Acq: 16 Jan 2020 15:18

Instrument :
MSVOA_N
ClientSampleId :
VN0116WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.6	64.2	96.2
98	46.3	35.9	53.9

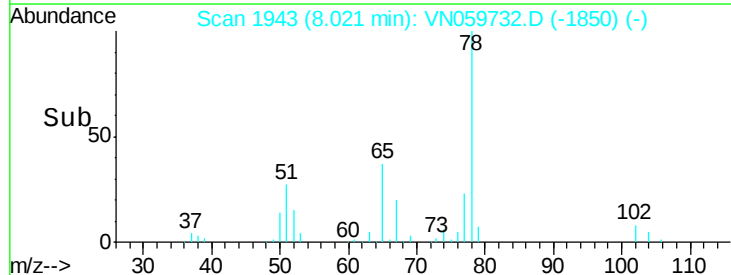
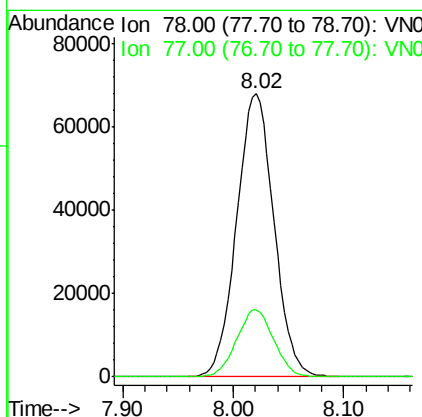
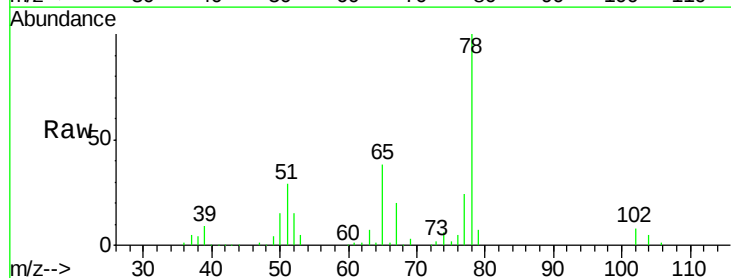
Manual Integrations
APPROVED

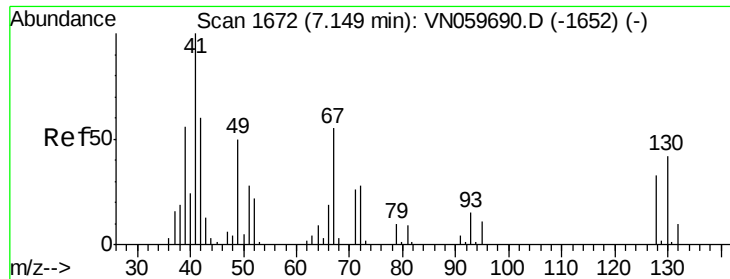
MMDadoda
1/17/2020 1:53:13 PM



#40
Benzene
Concen: 19.568 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059732.D
Acq: 16 Jan 2020 15:18

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.9	28.3





#41

Methacrylonitrile

Concen: 18.515 ug/l m

RT: 7.15 min Scan# 1673

Delta R.T. 0.00 min

Lab File: VN059732.D

Acq: 16 Jan 2020 15:18

Instrument :

MSVOA_N

ClientSampleId :

VN0116WBSD01

Tot Ion: 41 Resp: 23308

Ion Ratio Lower Upper

41 100

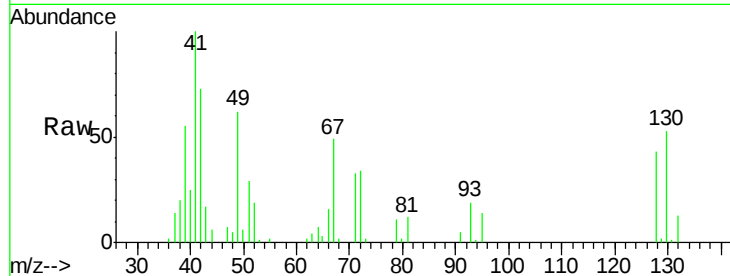
39 0.0 0.0 0.0

67 0.0 0.0 0.0

52 0.0 0.0 0.0

Manual Integrations
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MMDadoda
1/17/2020 1:53:13 PM

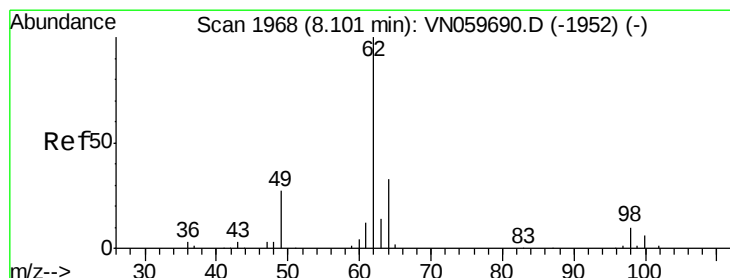
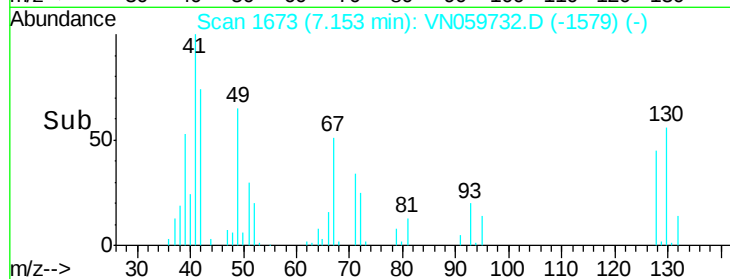
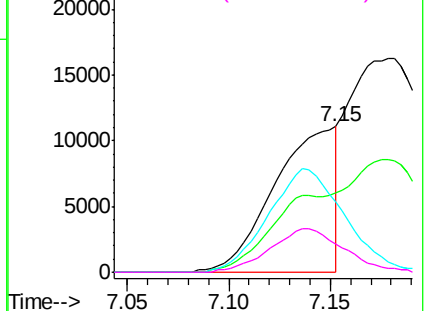


Abundance Ion 41.00 (40.70 to 41.70): VN059690.D (-1652) (-)

Ion 39.00 (38.70 to 39.70): VN059690.D (-1652) (-)

Ion 67.00 (66.70 to 67.70): VN059690.D (-1652) (-)

Ion 52.00 (51.70 to 52.70): VN059690.D (-1652) (-)



#42

1,2-Dichloroethane

Concen: 20.299 ug/l

RT: 8.10 min Scan# 1968

Delta R.T. 0.00 min

Lab File: VN059732.D

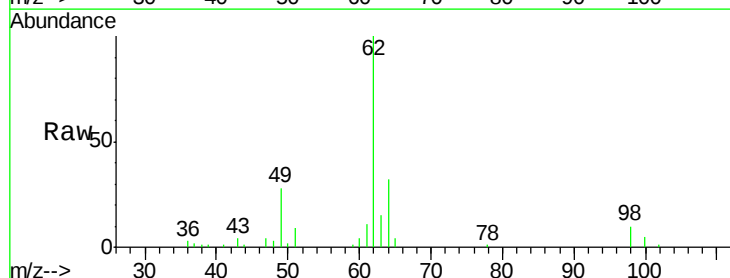
Acq: 16 Jan 2020 15:18

Tgt Ion: 62 Resp: 55935

Ion Ratio Lower Upper

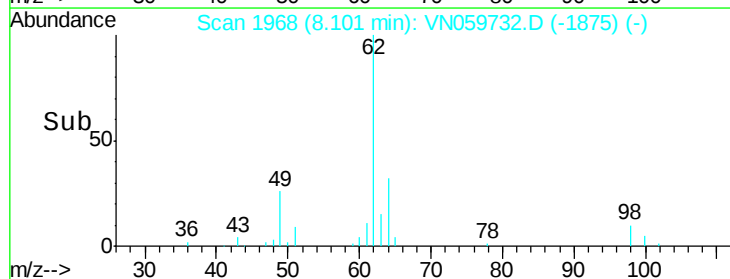
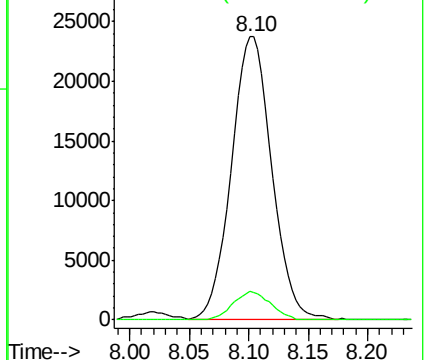
62 100

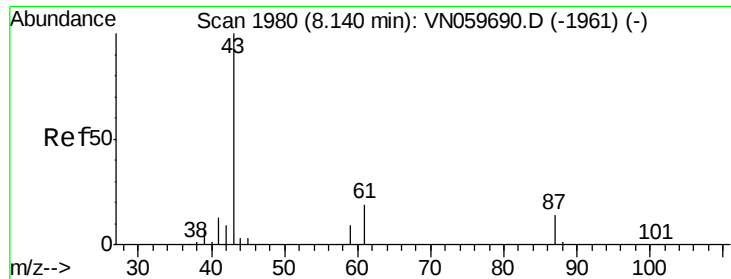
98 9.3 0.0 15.8



Abundance Ion 61.90 (61.60 to 62.60): VN059690.D (-1952) (-)

Ion 97.90 (97.60 to 98.60): VN059690.D (-1952) (-)





#43

Isopropyl Acetate

Concen: 19.033 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN059732.D

Acq: 16 Jan 2020 15:18

Instrument :

MSVOA_N

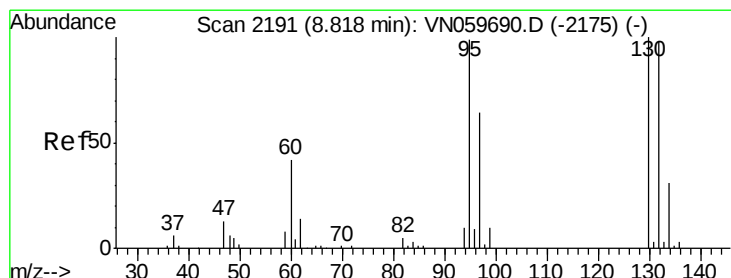
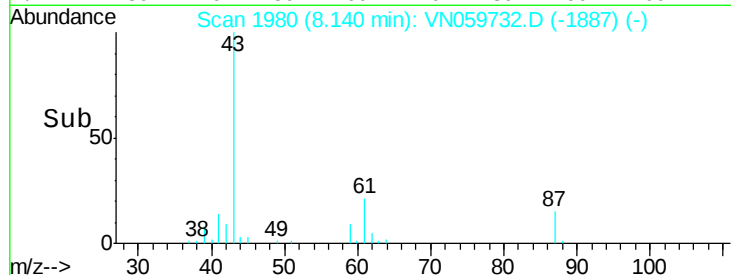
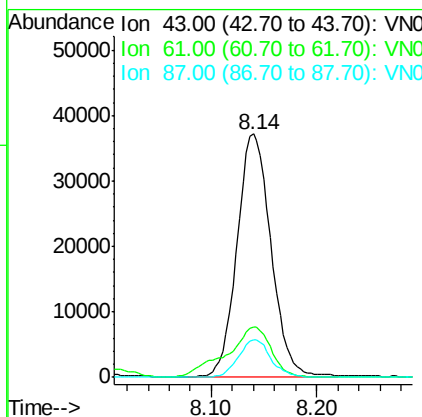
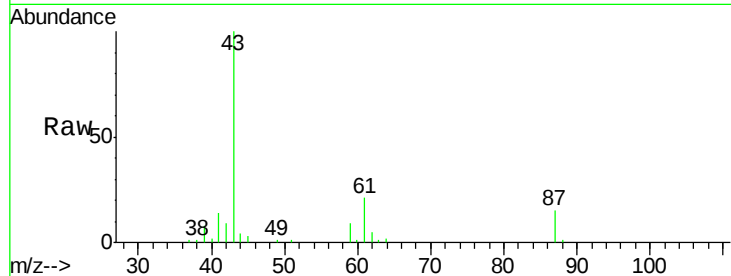
ClientSampleId :

VN0116WBSD01

Tot Ion:	43	Resp:	83674
Ion	Ratio	Lower	Upper
43	100		
61	27.0	20.2	30.2
87	14.7	9.5	14.3

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#44

Trichloroethene

Concen: 20.693 ug/l

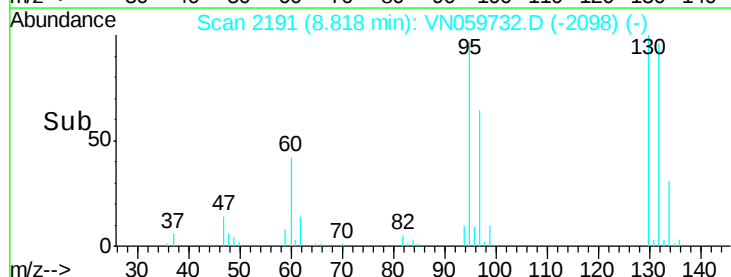
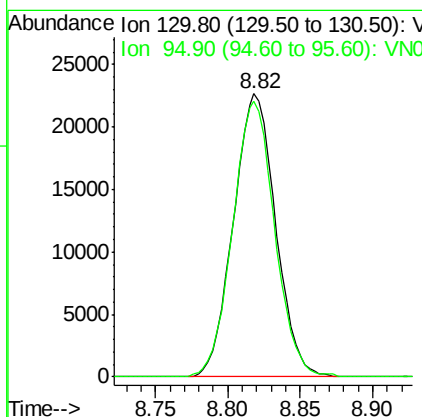
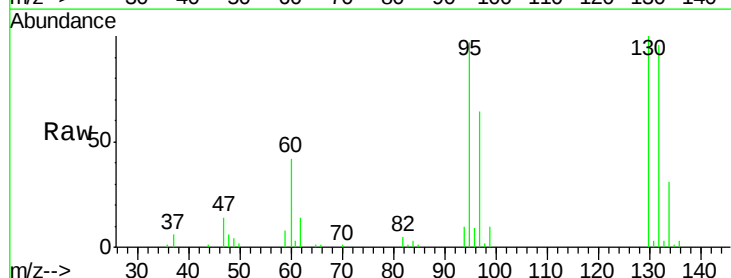
RT: 8.82 min Scan# 2191

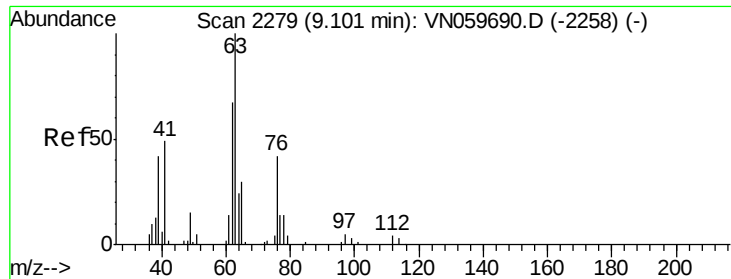
Delta R.T. 0.00 min

Lab File: VN059732.D

Acq: 16 Jan 2020 15:18

Tgt Ion:	130	Resp:	45910
Ion	Ratio	Lower	Upper
130	100		
95	97.2	0.0	207.0





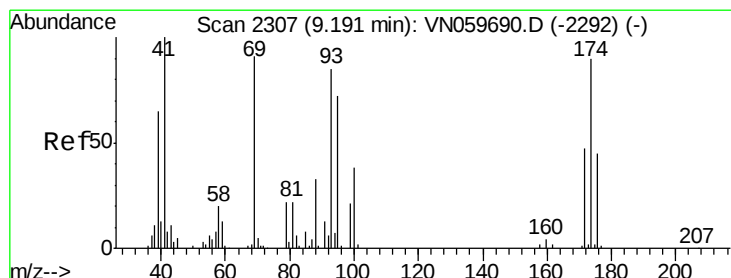
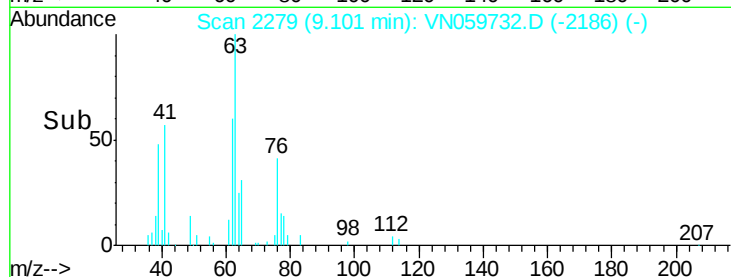
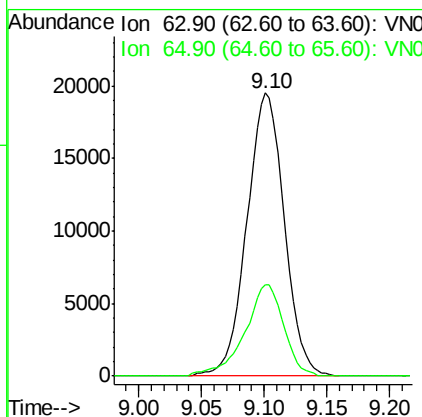
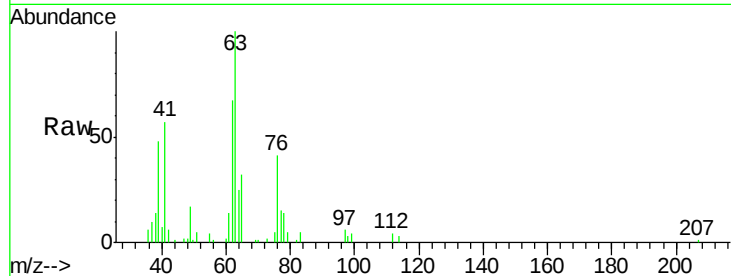
#45
 1,2-Dichloropropane
 Concen: 20.177 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN059732.D
 Acq: 16 Jan 2020 15:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0116WBSD01

Tot Ion: 63 Resp: 40578
 Ion Ratio Lower Upper
 63 100
 65 32.2 24.9 37.3

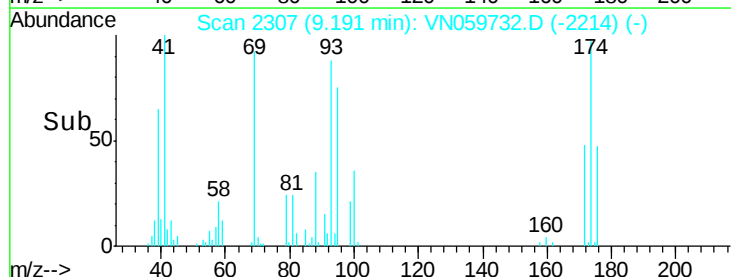
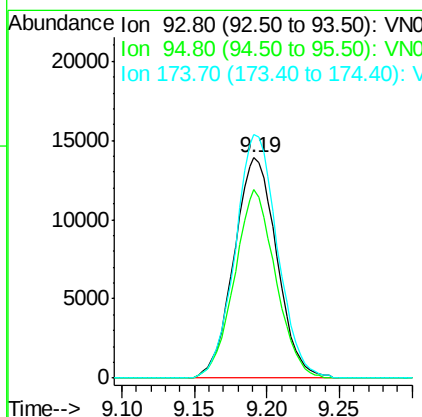
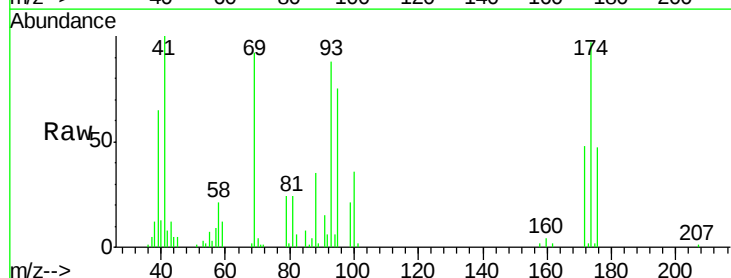
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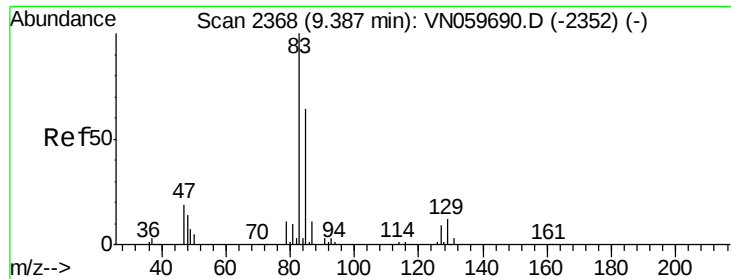
MMDadoda
 1/17/2020 1:53:13 PM



#46
 Dibromomethane
 Concen: 20.139 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN059732.D
 Acq: 16 Jan 2020 15:18

Tgt Ion: 93 Resp: 28570
 Ion Ratio Lower Upper
 93 100
 95 81.8 67.0 100.6
 174 109.0 73.4 110.2





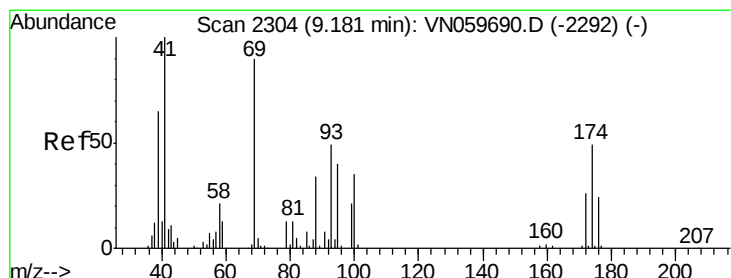
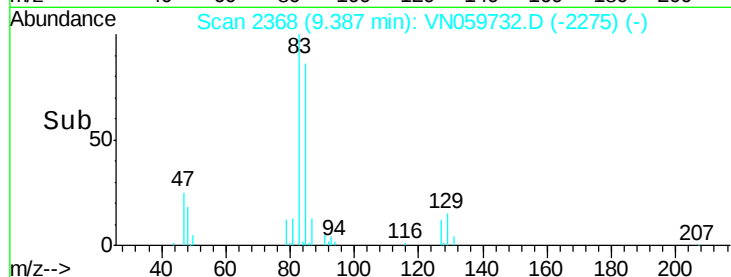
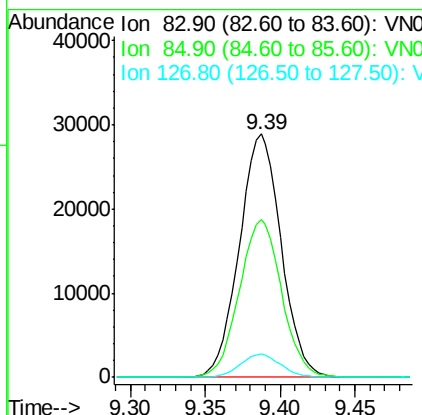
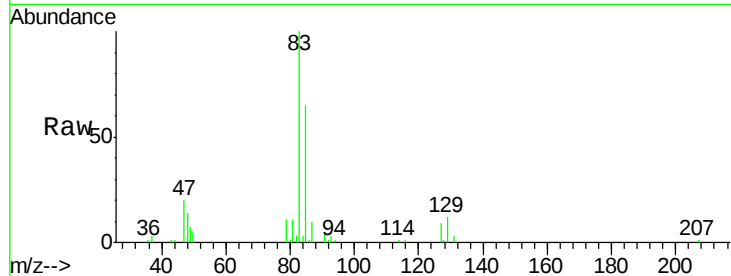
#47
Bromodichloromethane
Concen: 19.654 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN059732.D
Acq: 16 Jan 2020 15:18

Instrument :
MSVOA_N
ClientSampleId :
VN0116WBSD01

Tot Ion	83	Resp	56185
Ion Ratio	100	Lower	Upper
83	100		
85	64.9	51.1	76.7
127	9.4	6.6	9.8

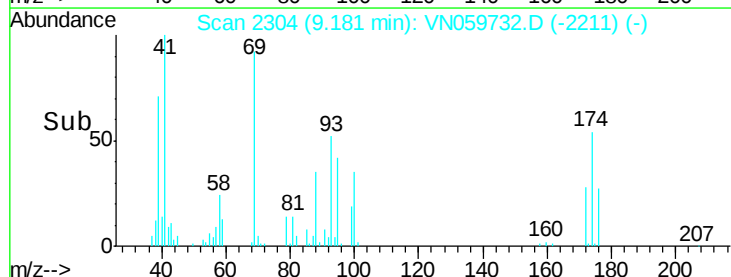
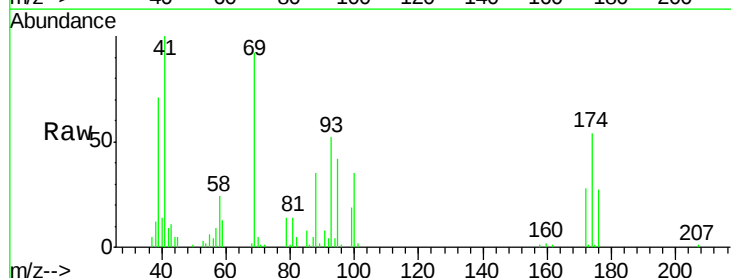
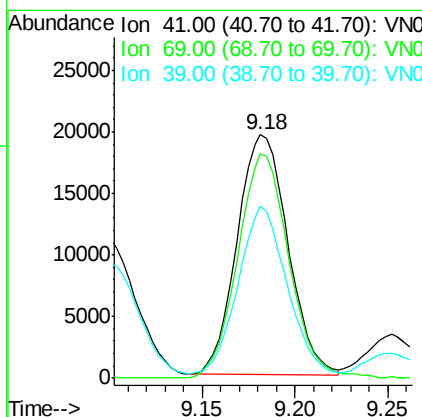
Manual Integrations
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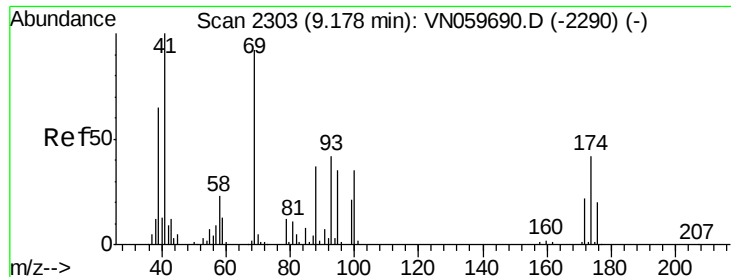
MMDadoda
1/17/2020 1:53:13 PM



#48
Methyl methacrylate
Concen: 18.960 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN059732.D
Acq: 16 Jan 2020 15:18

Tgt Ion	41	Resp	37282
Ion Ratio	100	Lower	Upper
41	100		
69	94.1	64.4	96.6
39	66.9	51.3	76.9





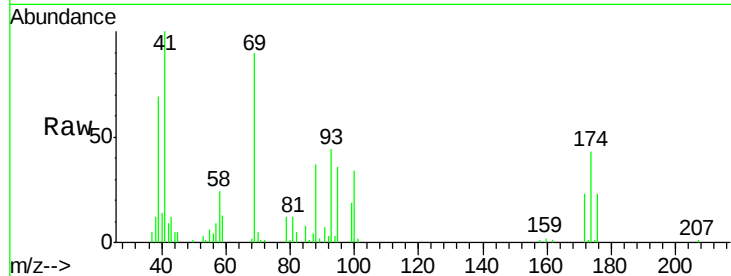
#49
1,4-Dioxane
Concen: 425.472 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN059732.D
Acq: 16 Jan 2020 15:18

Instrument :
MSVOA_N
ClientSampleId :
VN0116WBSD01

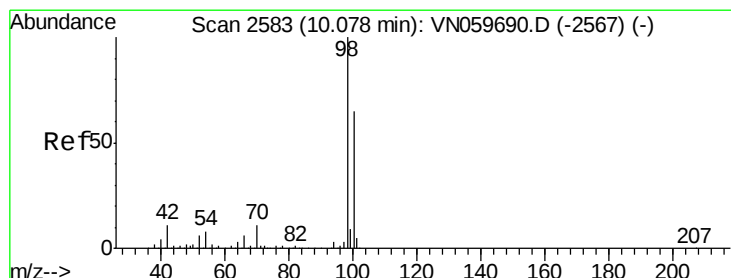
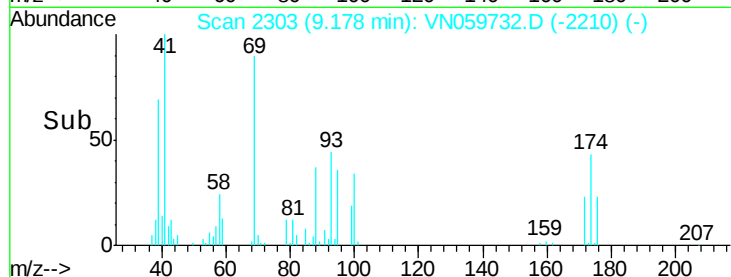
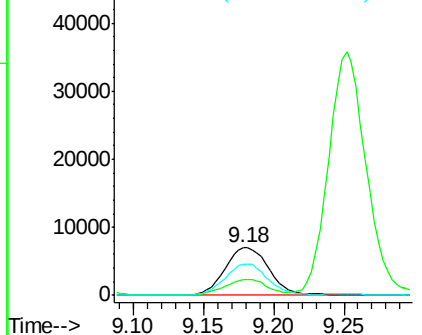
Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	32.3	29.7	44.5	
58	63.7	56.6	85.0	

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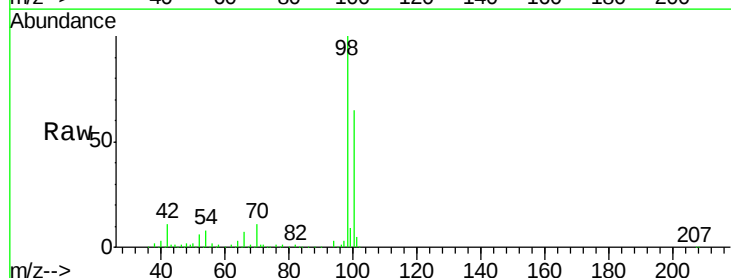


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

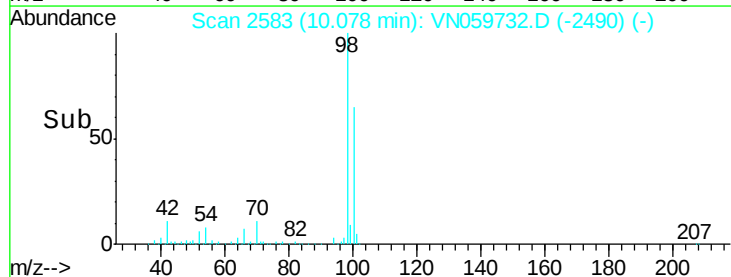
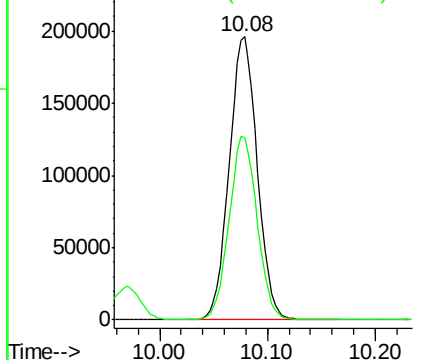


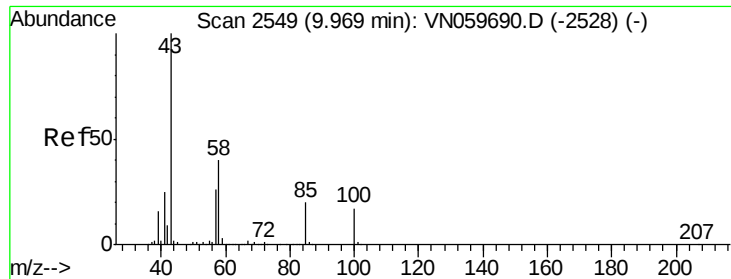
#50
Toluene-d8
Concen: 49.208 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059732.D
Acq: 16 Jan 2020 15:18

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	64.7	51.2	76.8	



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 96.231 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN059732.D

Acq: 16 Jan 2020 15:18

Instrument :

MSVOA_N

ClientSampleId :

VN0116WBSD01

Tot Ion: 43 Resp: 244552

Ion Ratio Lower Upper

43 100

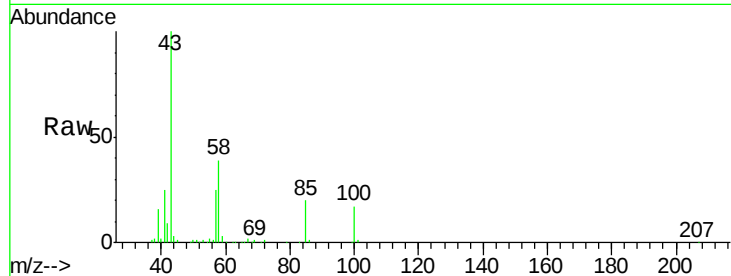
58 39.6 29.8 44.8

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.97

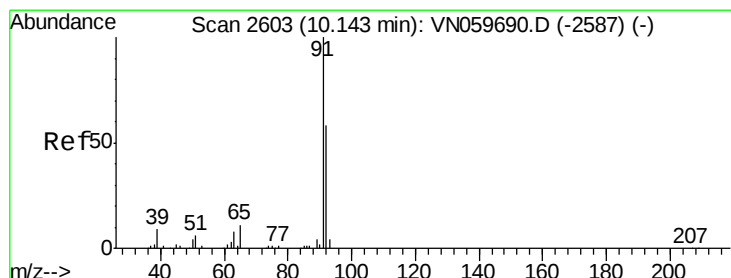
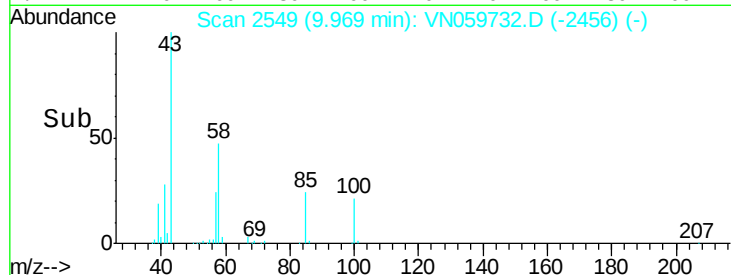
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.065 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN059732.D

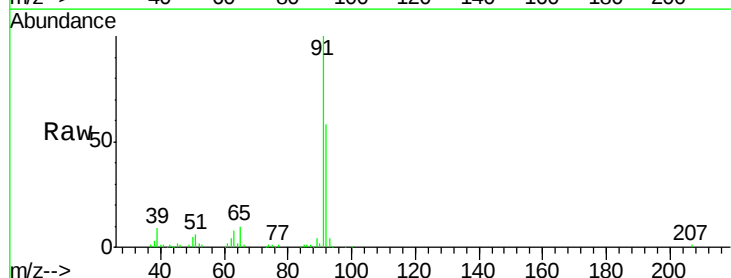
Acq: 16 Jan 2020 15:18

Tgt Ion: 92 Resp: 103005

Ion Ratio Lower Upper

92 100

91 174.0 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.14

100000

80000

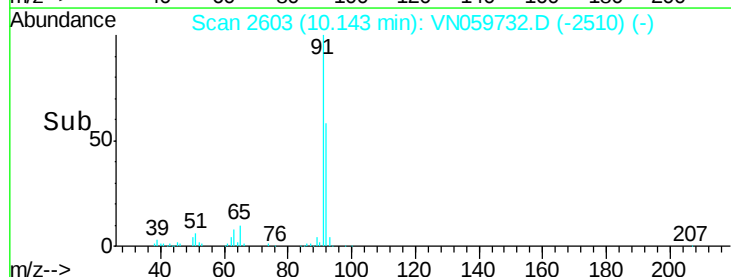
60000

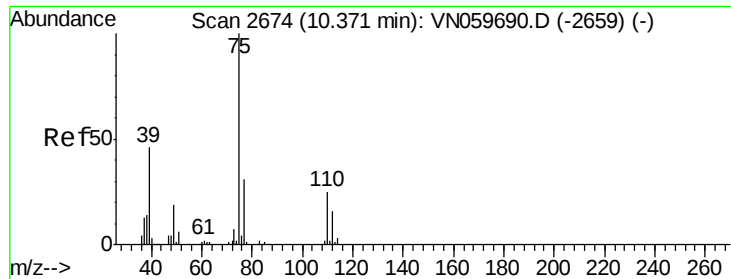
40000

20000

0

Time-->





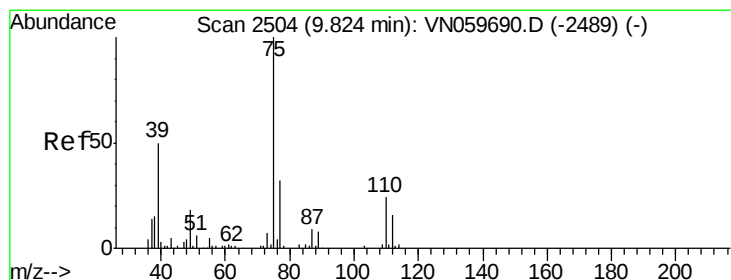
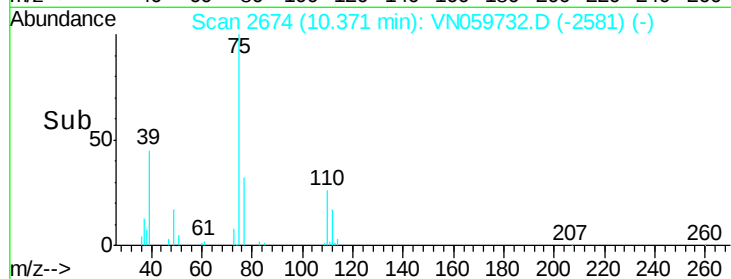
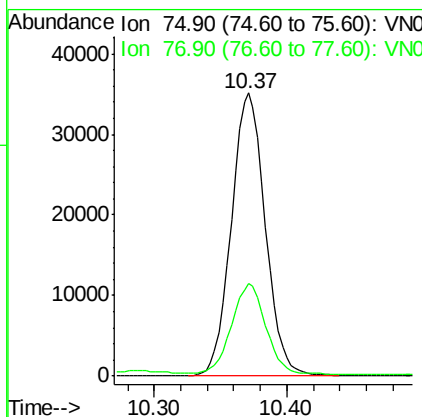
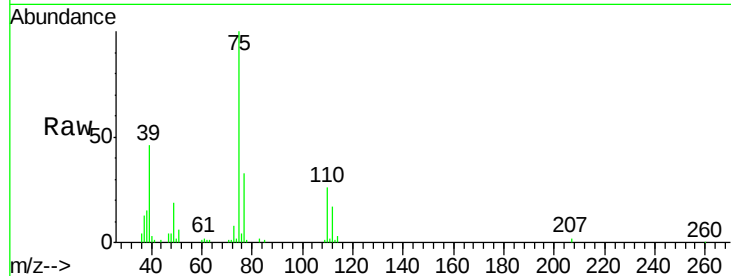
#53
t-1,3-Dichloropropene
Concen: 19.548 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. 0.00 min
Lab File: VN059732.D
Acq: 16 Jan 2020 15:18

Instrument :
MSVOA_N
ClientSampleId :
VN0116WBSD01

Tot Ion	75	Resp	62396
Ion Ratio	Lower	Upper	
75	100		
77	32.0	25.4	38.2

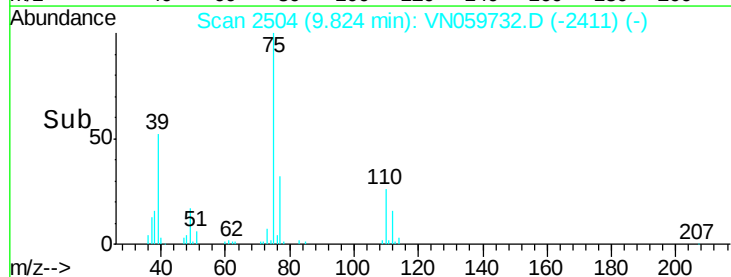
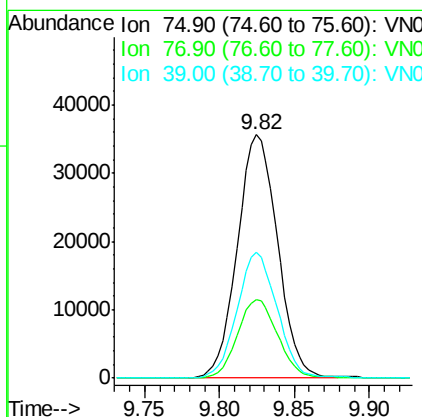
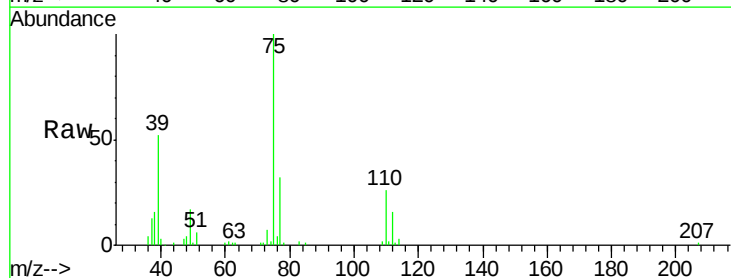
Manual Integrations
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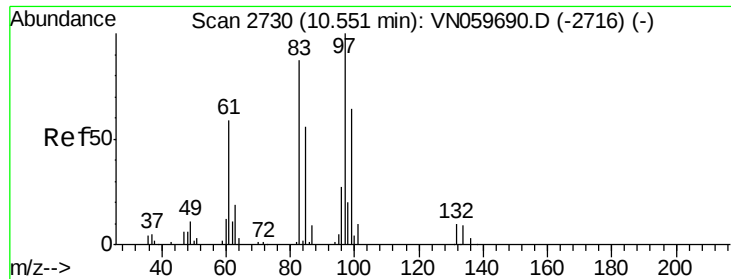
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#54
cis-1,3-Dichloropropene
Concen: 19.891 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN059732.D
Acq: 16 Jan 2020 15:18

Tgt Ion	75	Resp	66806
Ion Ratio	Lower	Upper	
75	100		
77	32.2	25.1	37.7
39	51.6	46.1	69.1





#55

1,1,2-Trichloroethane

Concen: 20.076 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VN059732.D

Acq: 16 Jan 2020 15:18

Instrument :

MSVOA_N

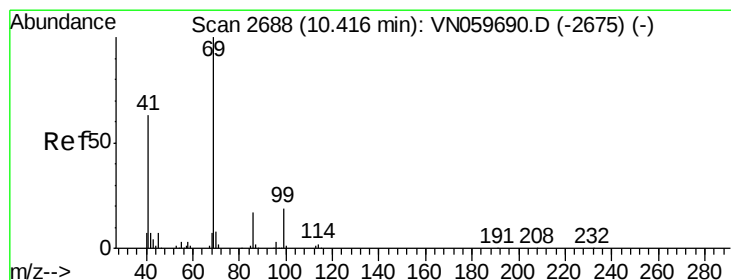
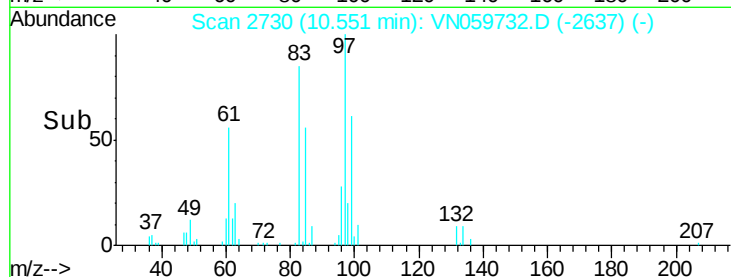
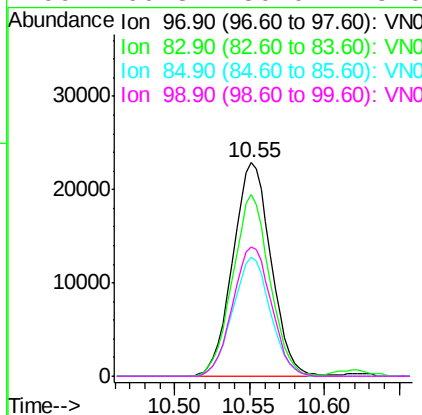
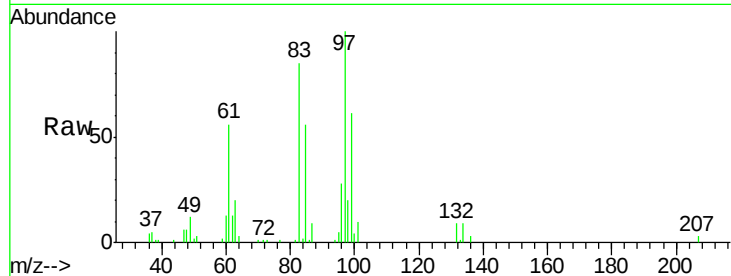
ClientSampleId :

VN0116WBSD01

Tot Ion:	97	Resp:	40817
Ion	Ratio	Lower	Upper
97	100		
83	85.1	71.3	106.9
85	55.5	45.8	68.8
99	60.8	50.0	75.0

Manual Integrations
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1/17/2020 1:53:13 PM



#56

Ethyl methacrylate

Concen: 19.376 ug/l

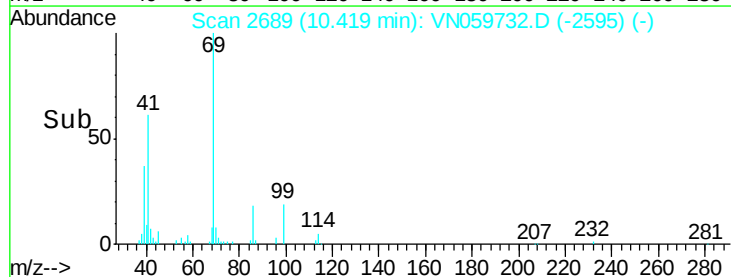
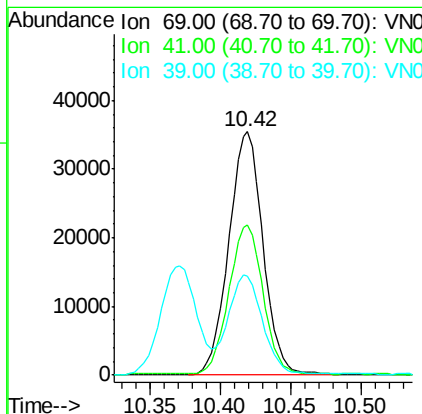
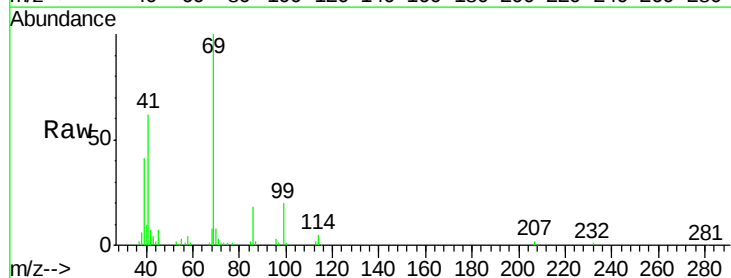
RT: 10.42 min Scan# 2689

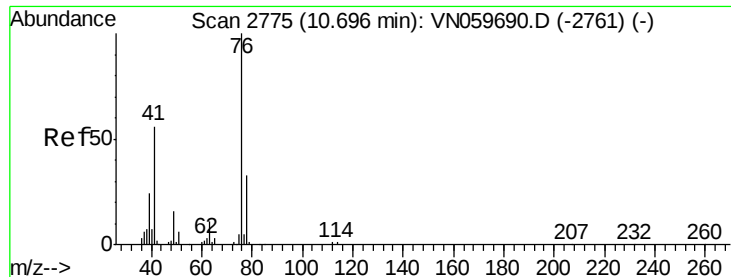
Delta R.T. 0.00 min

Lab File: VN059732.D

Acq: 16 Jan 2020 15:18

Tgt Ion:	69	Resp:	60195
Ion	Ratio	Lower	Upper
69	100		
41	61.0	57.1	85.7
39	41.4	34.7	52.1





#57

1,3-Dichloropropane

Concen: 20.039 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN059732.D

Acq: 16 Jan 2020 15:18

Instrument :

MSVOA_N

ClientSampleId :

VN0116WBSD01

Tot Ion: 76 Resp: 64682

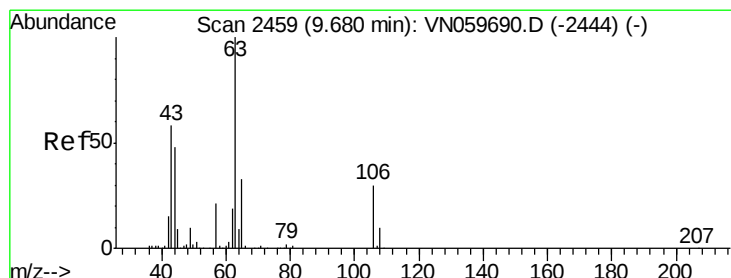
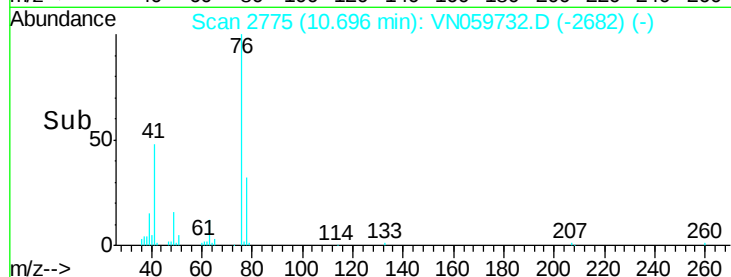
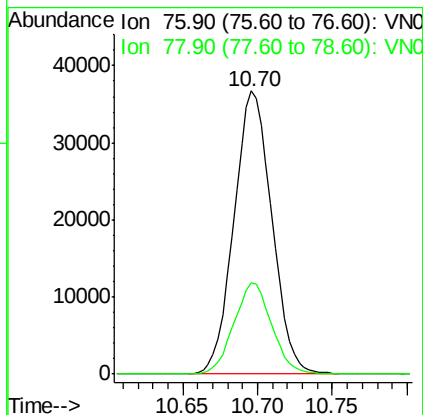
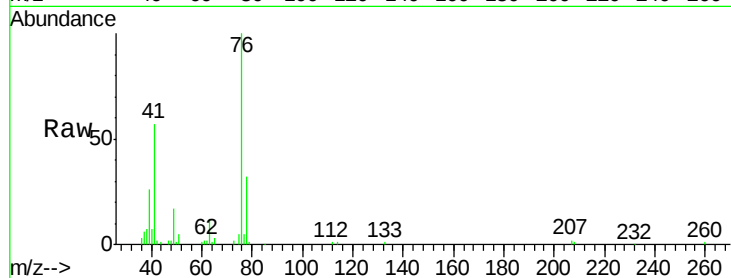
Ion Ratio Lower Upper

76 100

78 32.1 25.8 38.8

Manual Integrations
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1/17/2020 1:53:13 PM



#58

2-Chloroethyl Vinyl ether

Concen: 105.606 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN059732.D

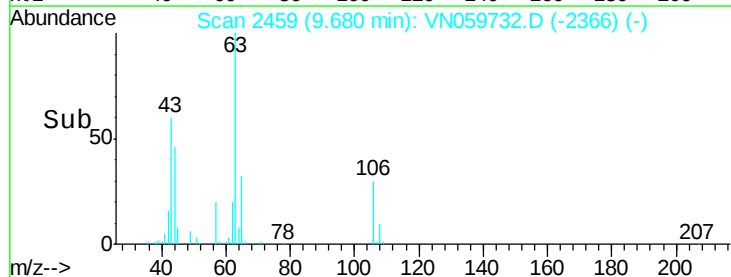
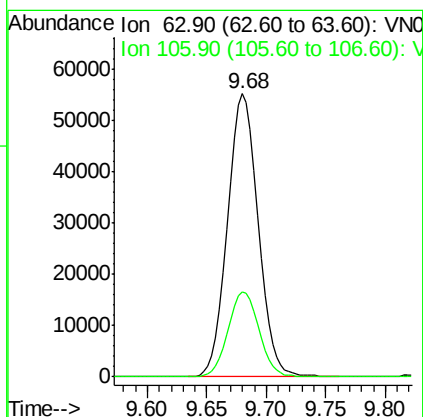
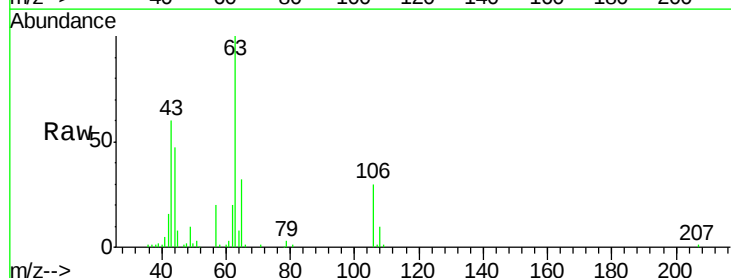
Acq: 16 Jan 2020 15:18

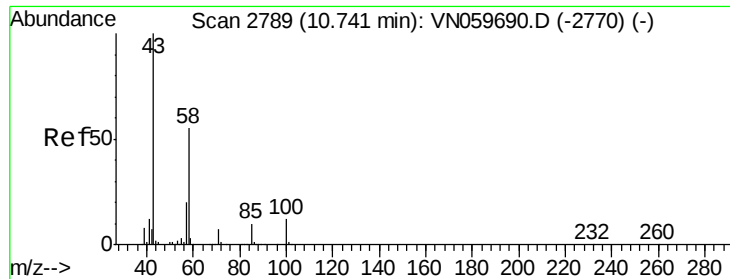
Tgt Ion: 63 Resp: 98819

Ion Ratio Lower Upper

63 100

106 30.4 20.2 30.2#





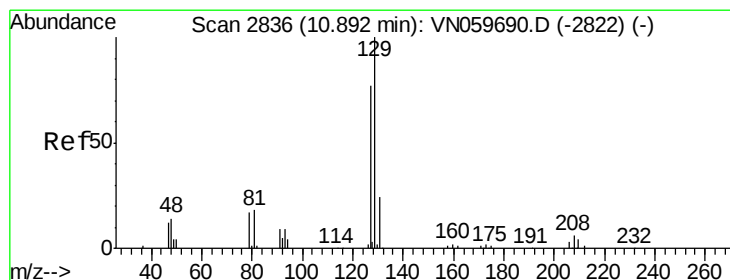
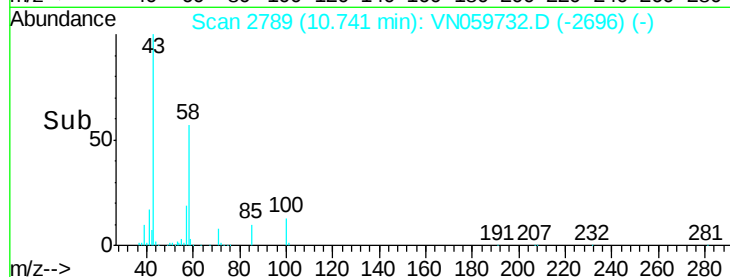
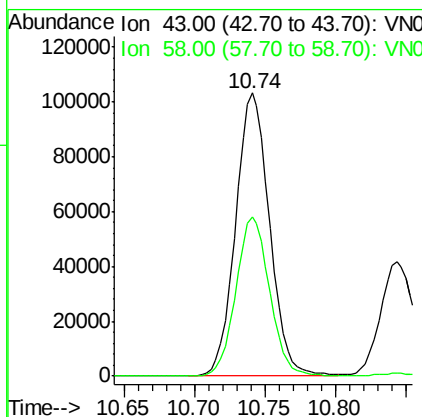
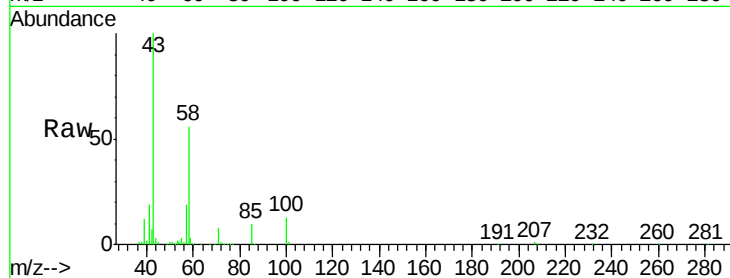
#59
2-Hexanone
Concen: 93.090 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN059732.D
Acq: 16 Jan 2020 15:18

Instrument :
MSVOA_N
ClientSampleId :
VN0116WBSD01

Tot Ion: 43 Resp: 174282
Ion Ratio Lower Upper
43 100
58 55.9 25.8 77.3

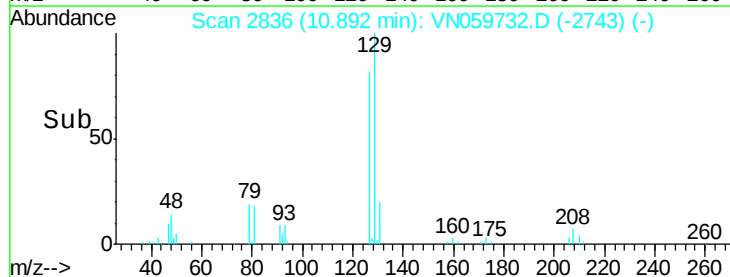
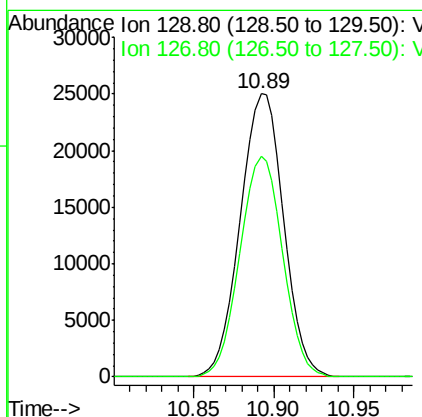
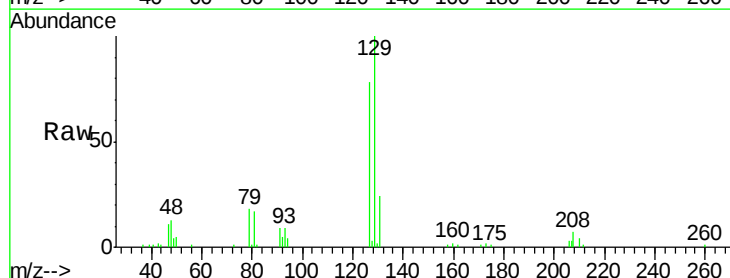
Manual Integrations
APPROVED

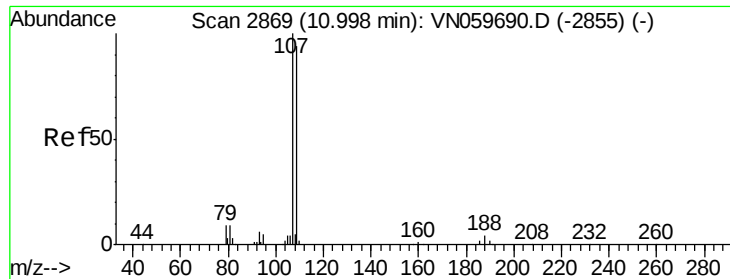
MMDadoda
1/17/2020 1:53:13 PM



#60
Dibromochloromethane
Concen: 19.984 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN059732.D
Acq: 16 Jan 2020 15:18

Tgt Ion: 129 Resp: 46268
Ion Ratio Lower Upper
129 100
127 76.7 38.5 115.5





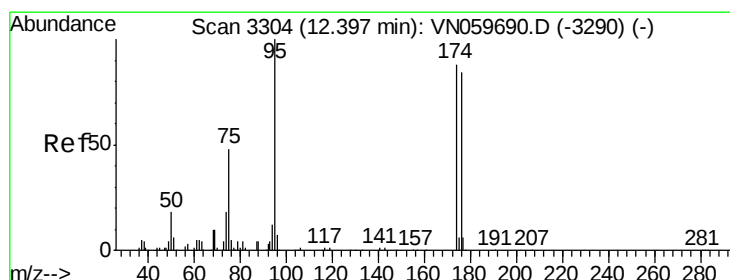
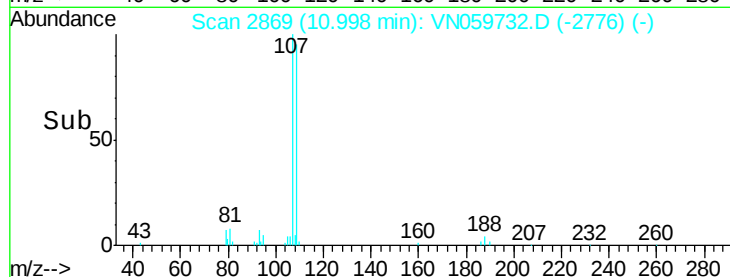
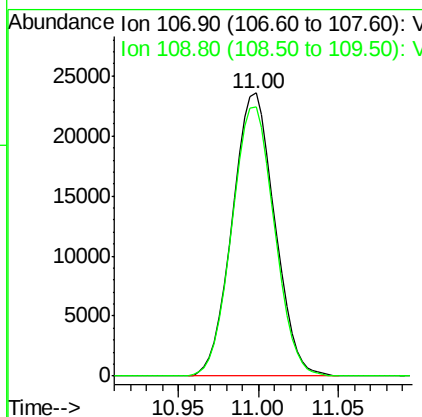
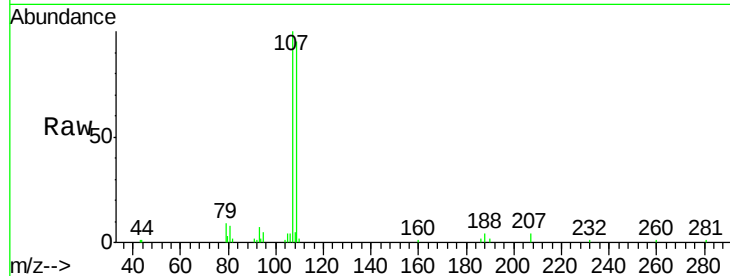
#61
 1,2-Dibromoethane
 Concen: 20.011 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VN059732.D
 Acq: 16 Jan 2020 15:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0116WBSD01

Tot Ion: 107 Resp: 42642
 Ion Ratio Lower Upper
 107 100
 109 95.2 76.6 115.0

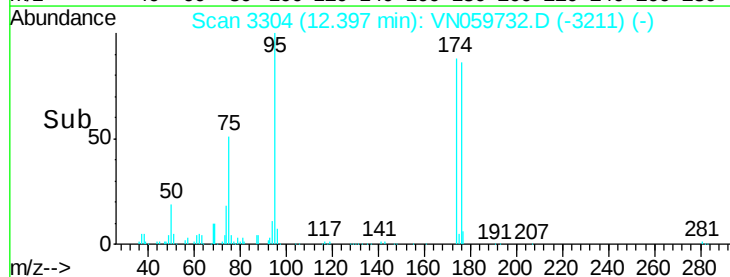
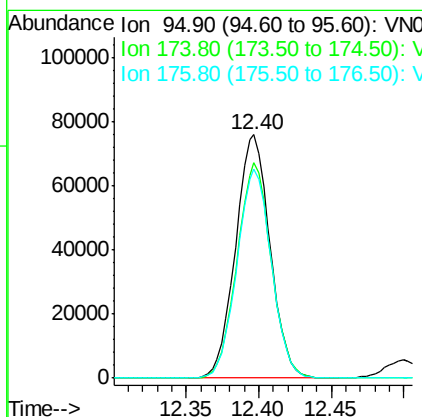
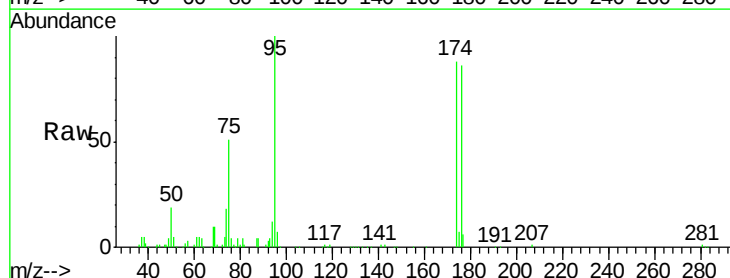
Manual Integrations
 APPROVED

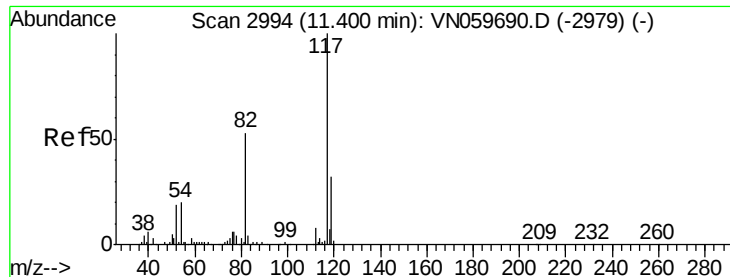
MMDadoda
 1/17/2020 1:53:13 PM



#62
 4-Bromofluorobenzene
 Concen: 48.002 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN059732.D
 Acq: 16 Jan 2020 15:18

Tgt Ion: 95 Resp: 125117
 Ion Ratio Lower Upper
 95 100
 174 87.7 0.0 151.4
 176 85.8 0.0 146.0





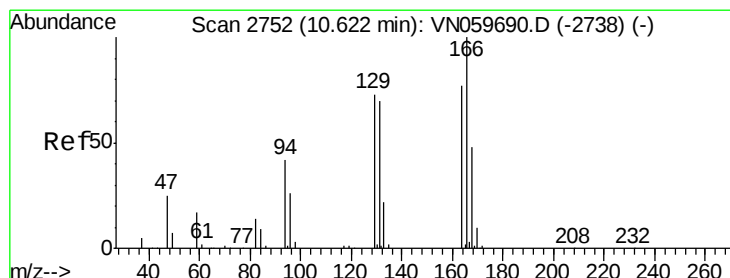
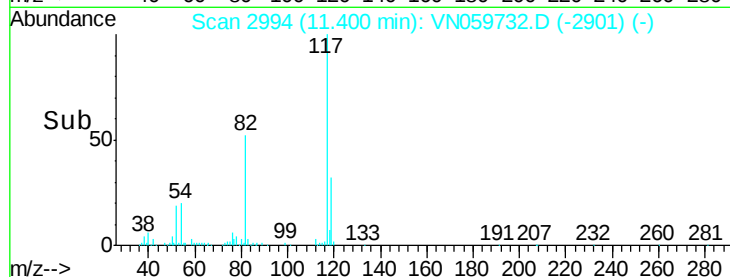
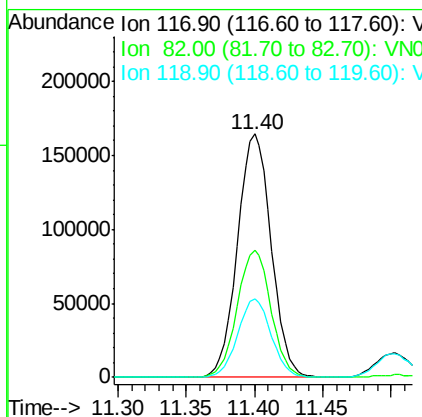
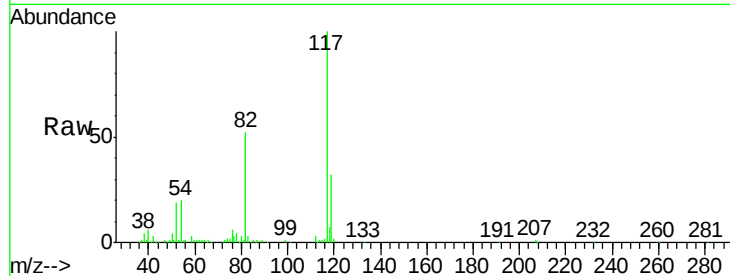
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059732.D
Acq: 16 Jan 2020 15:18

Instrument :
MSVOA_N
ClientSampleId :
VN0116WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.1	45.9	68.9
119	32.3	25.5	38.3

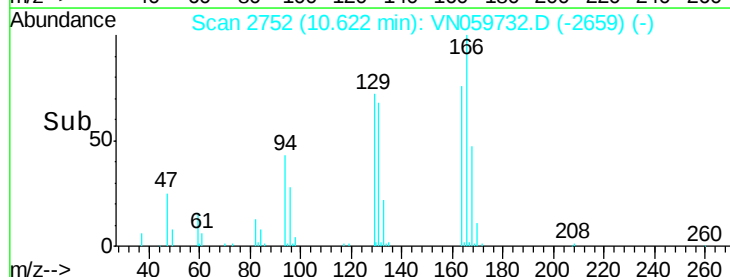
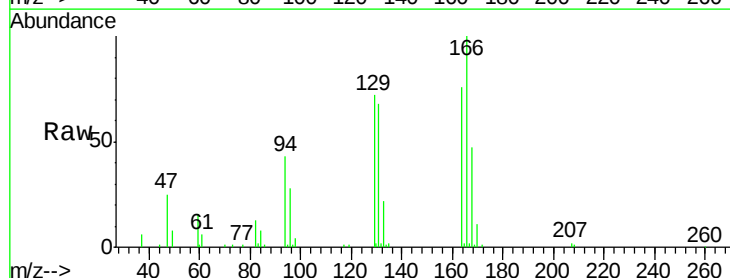
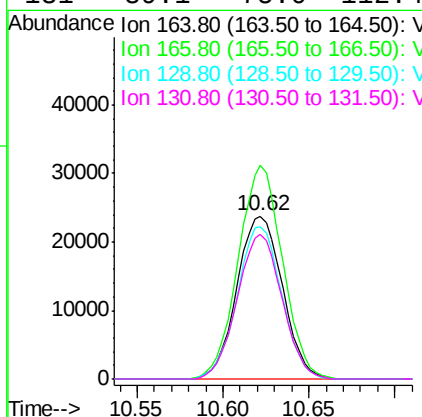
Manual Integrations
APPROVED

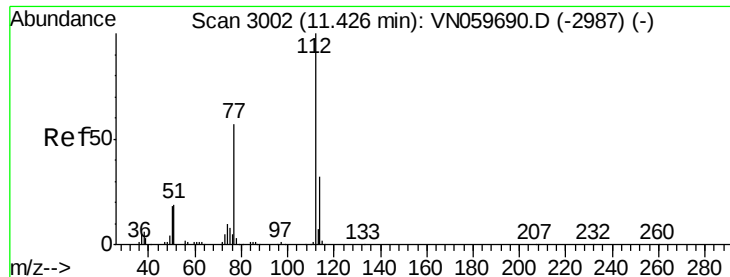
MMDadoda
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#64
Tetrachloroethene
Concen: 18.995 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN059732.D
Acq: 16 Jan 2020 15:18

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.2	101.4	152.0
129	94.0	80.2	120.4
131	89.1	75.0	112.4





#65

Chlorobenzene

Concen: 19.698 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. 0.00 min

Lab File: VN059732.D

Acq: 16 Jan 2020 15:18

Instrument :

MSVOA_N

ClientSampled :

VN0116WBSD01

Tot Ion:112 Resp: 109294

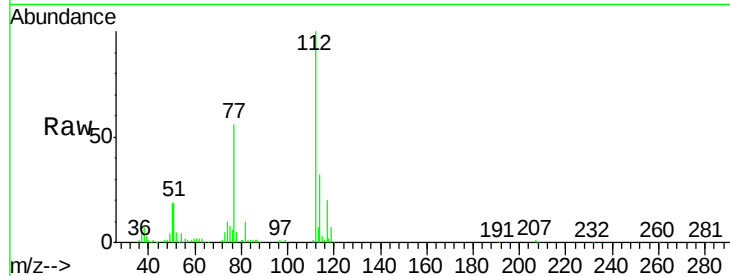
Ion Ratio Lower Upper

112 100

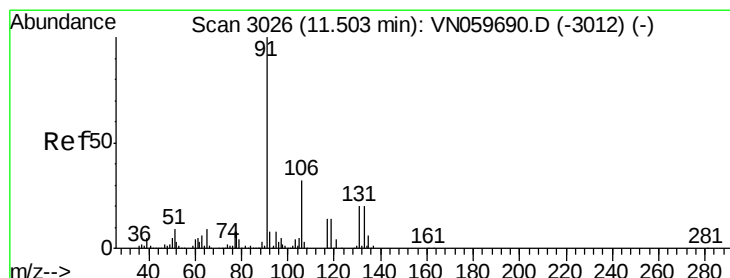
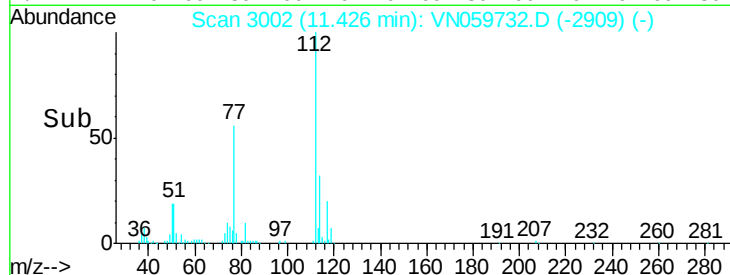
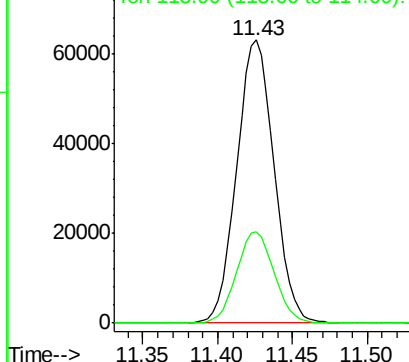
114 32.3 25.8 38.8

Manual Integrations
APPROVED

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1/17/2020 1:53:13 PM



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.975 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. -0.00 min

Lab File: VN059732.D

Acq: 16 Jan 2020 15:18

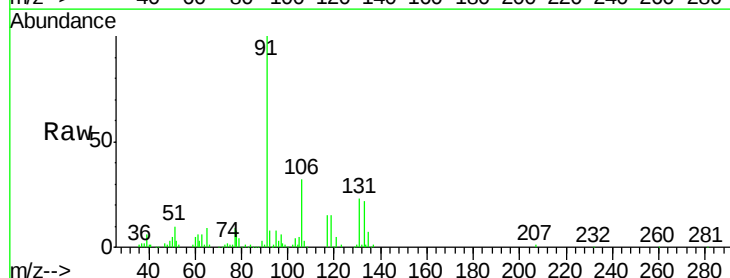
Tgt Ion:131 Resp: 42825

Ion Ratio Lower Upper

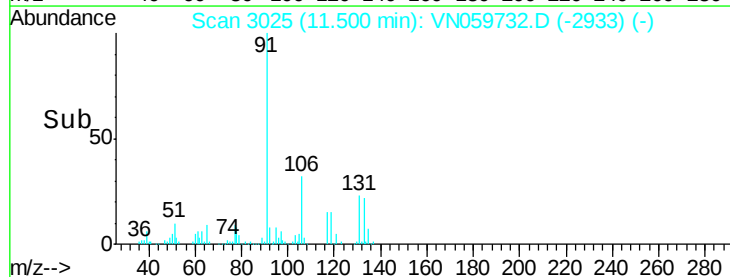
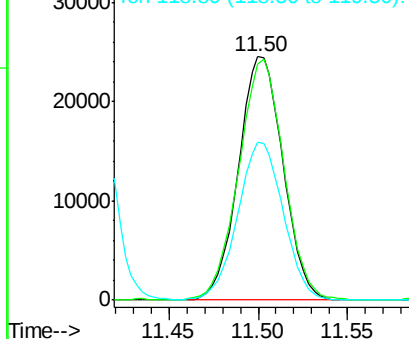
131 100

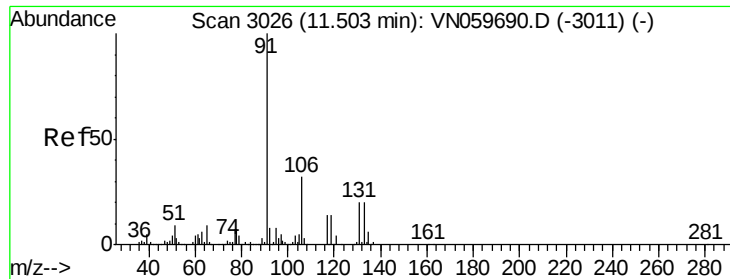
133 100.7 47.4 142.2

119 66.4 33.1 99.3



Abundance Ion 130.80 (130.50 to 131.50): V
Ion 132.80 (132.50 to 133.50): V
Ion 118.80 (118.50 to 119.50): V





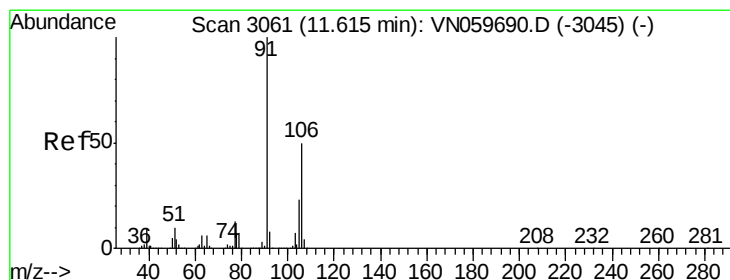
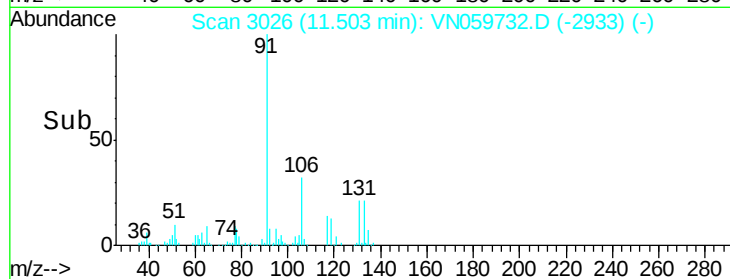
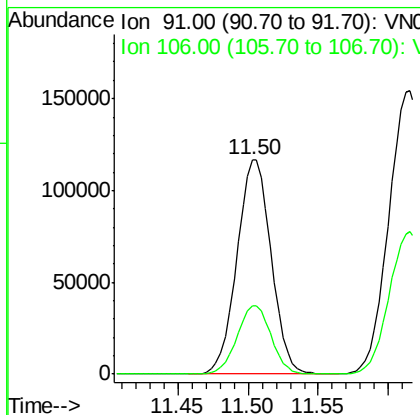
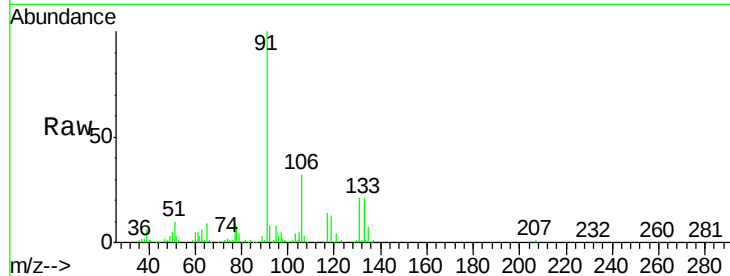
#67
Ethyl Benzene
Concen: 19.698 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN059732.D
Acq: 16 Jan 2020 15:18

Instrument :
MSVOA_N
ClientSampled :
VN0116WBSD01

Tot Ion: 91 Resp: 198405
Ion Ratio Lower Upper
91 100
106 31.6 24.1 36.1

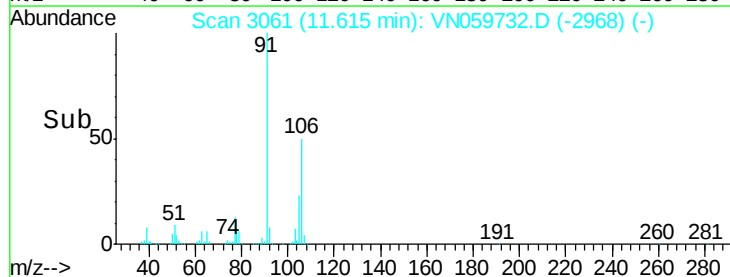
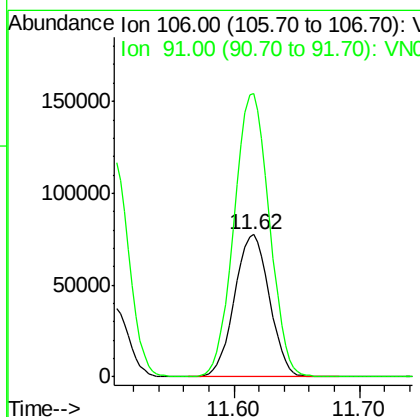
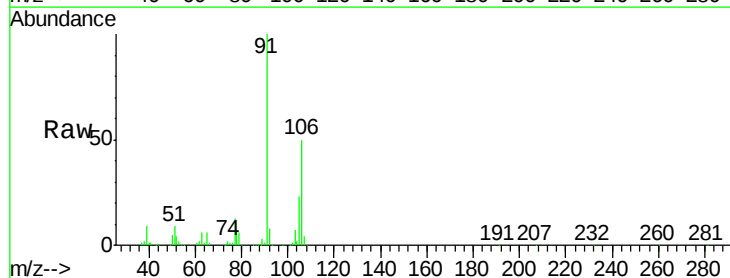
Manual Integrations
APPROVED

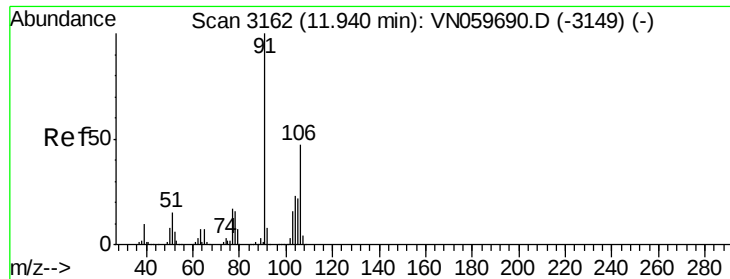
MMDadoda
1/17/2020 1:53:13 PM



#68
m/p-Xylenes
Concen: 39.433 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN059732.D
Acq: 16 Jan 2020 15:18

Tgt Ion: 106 Resp: 150027
Ion Ratio Lower Upper
106 100
91 201.0 167.9 251.9





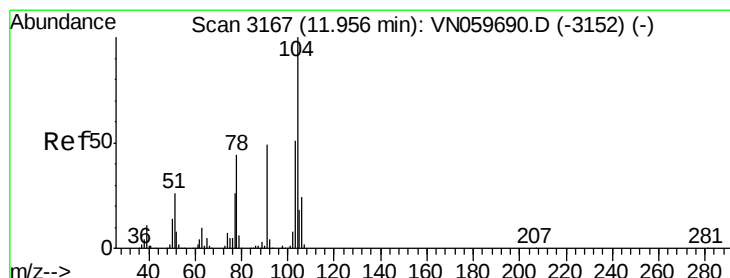
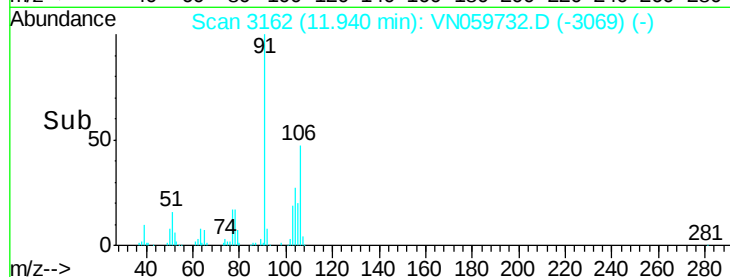
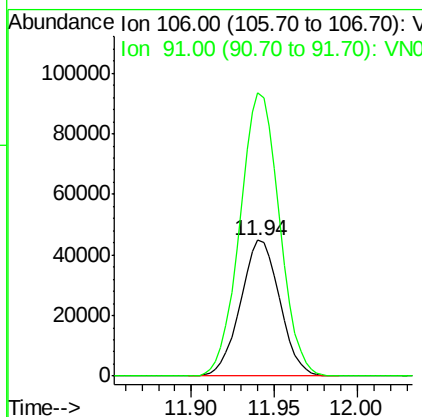
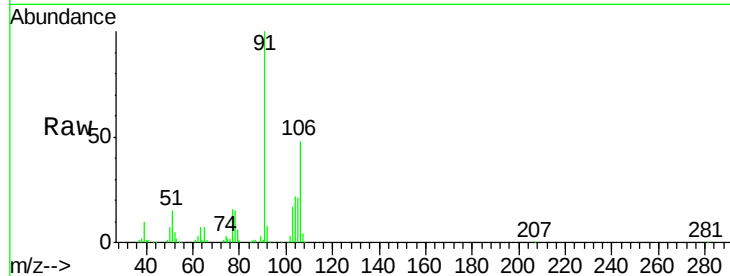
#69
o-Xylene
Concen: 19.876 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN059732.D
Acq: 16 Jan 2020 15:18

Instrument :
MSVOA_N
ClientSampleId :
VN0116WBSD01

Tot Ion:106 Resp: 74032
Ion Ratio Lower Upper
106 100
91 210.0 110.3 330.9

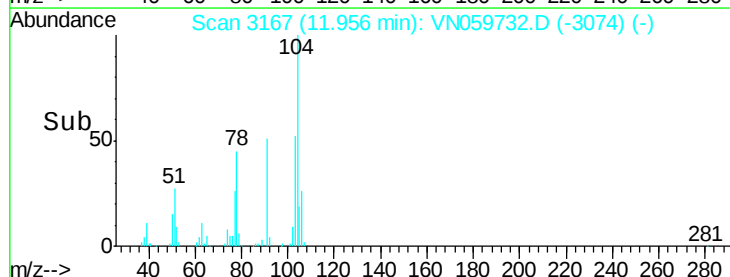
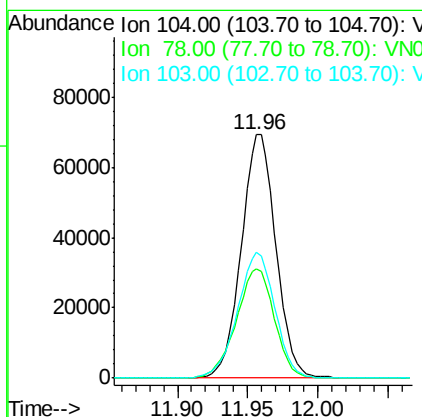
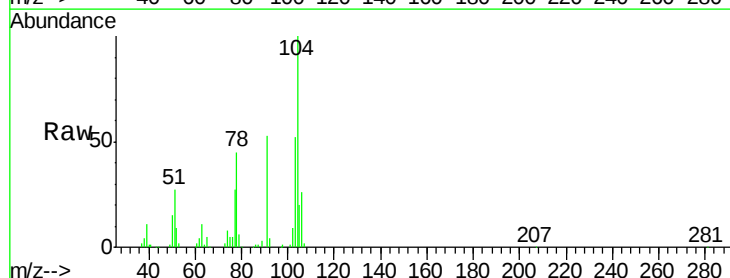
Manual Integrations
APPROVED

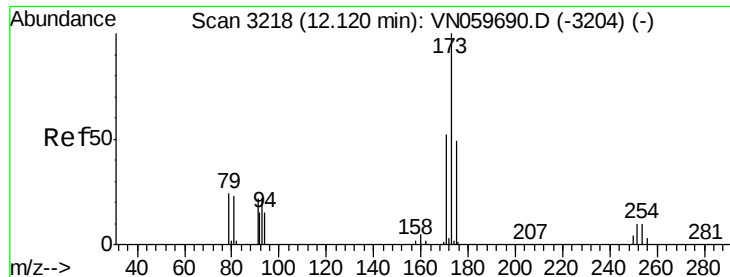
MMDadoda
1/17/2020 1:53:13 PM



#70
Styrene
Concen: 19.123 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN059732.D
Acq: 16 Jan 2020 15:18

Tgt Ion:104 Resp: 119193
Ion Ratio Lower Upper
104 100
78 49.3 42.4 63.6
103 55.8 43.9 65.9





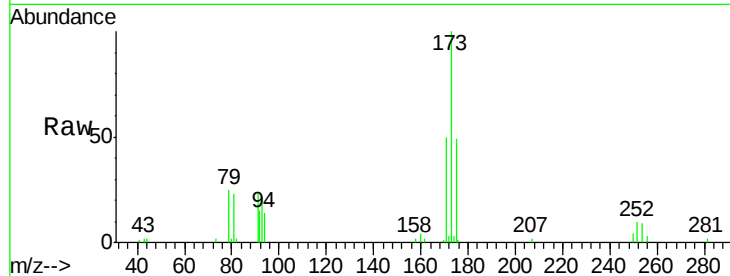
#71
Bromoform
Concen: 19.528 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN059732.D
Acq: 16 Jan 2020 15:18

Instrument :
MSVOA_N
ClientSampleId :
VN0116WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	23.8	71.4
254	0.0	0.0	0.0

Manual Integrations
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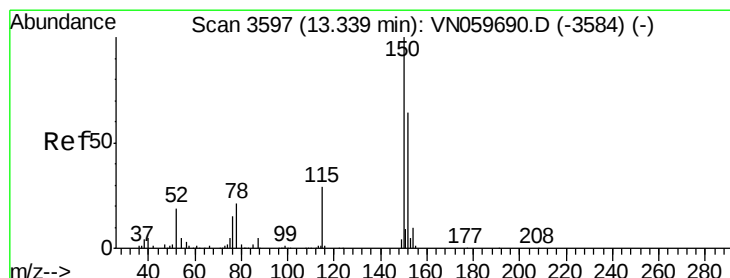
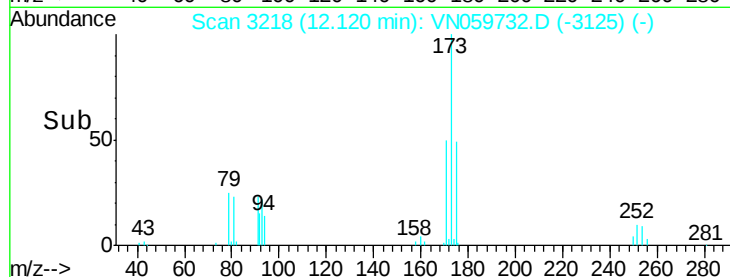
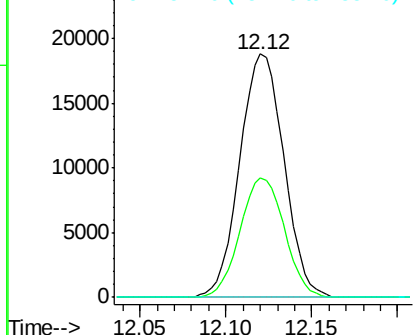


Abundance

Ion 172.70 (172.40 to 173.40): V

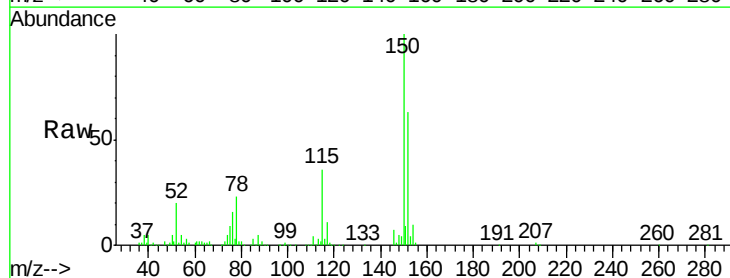
Ion 174.70 (174.40 to 175.40): V

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: VN059732.D
Acq: 16 Jan 2020 15:18

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.0	30.3	90.9
150	163.9	0.0	345.2

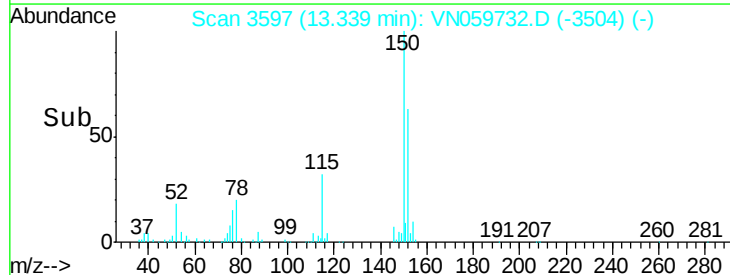
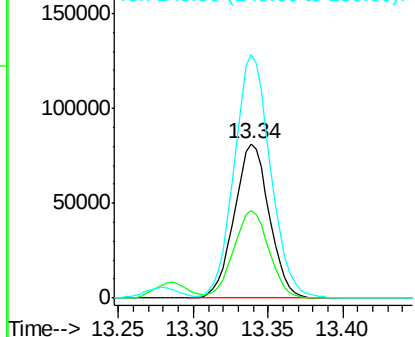


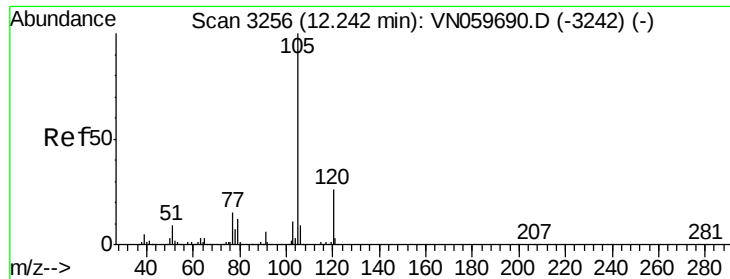
Abundance

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: 20.410 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN059732.D

Acq: 16 Jan 2020 15:18

Instrument :

MSVOA_N

ClientSampleId :

VN0116WBSD01

Tot Ion:105 Resp: 198314

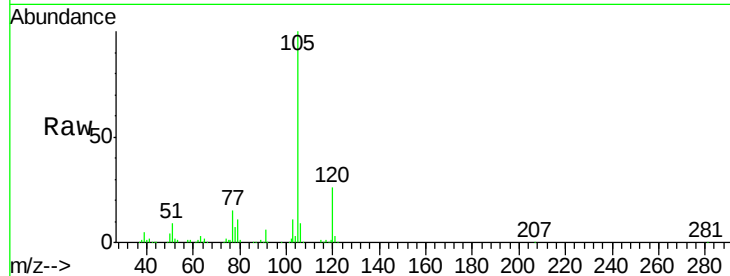
Ion Ratio Lower Upper

105 100

120 26.5 13.2 39.5

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

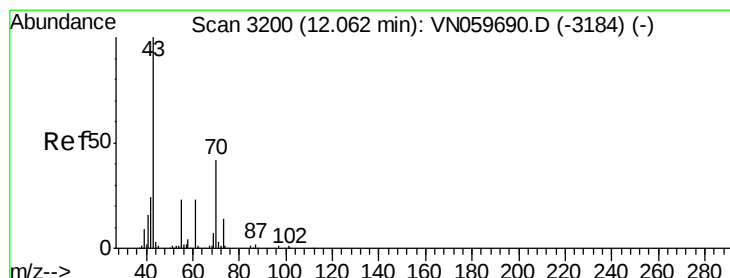
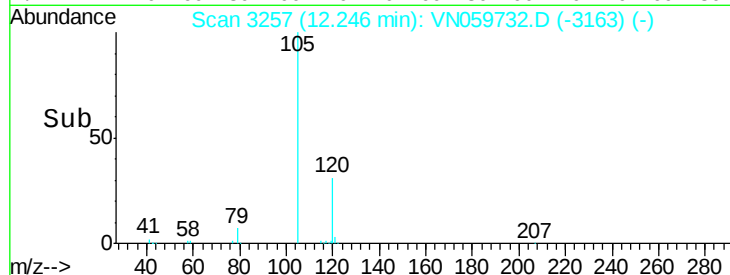
12.25

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 18.730 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN059732.D

Acq: 16 Jan 2020 15:18

Tgt Ion: 43 Resp: 70617

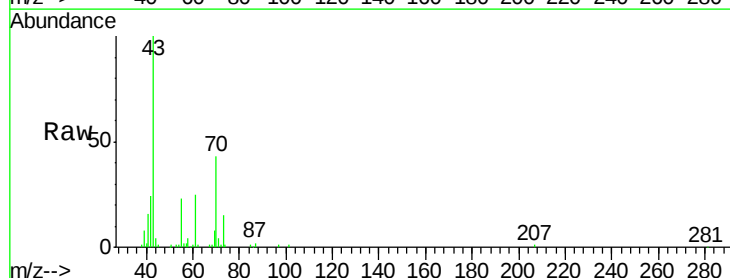
Ion Ratio Lower Upper

43 100

70 43.5 31.3 46.9

55 23.4 19.8 29.6

61 24.9 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

12.06

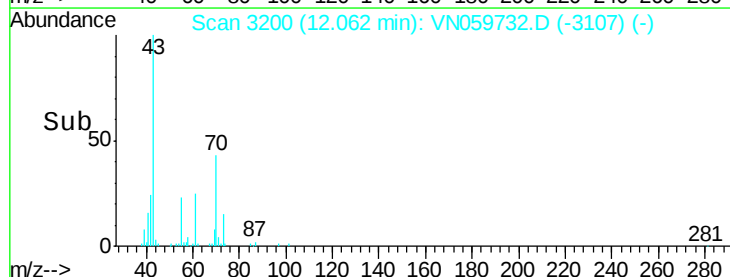
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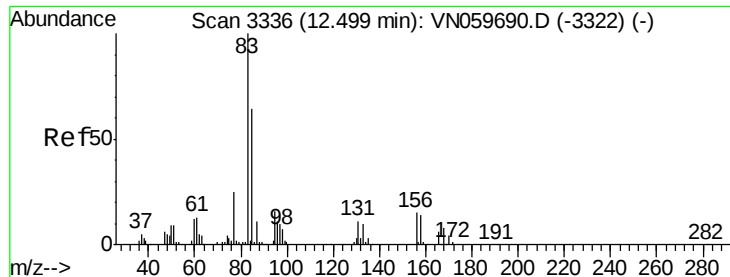
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.966 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN059732.D

Acq: 16 Jan 2020 15:18

Instrument :

MSVOA_N

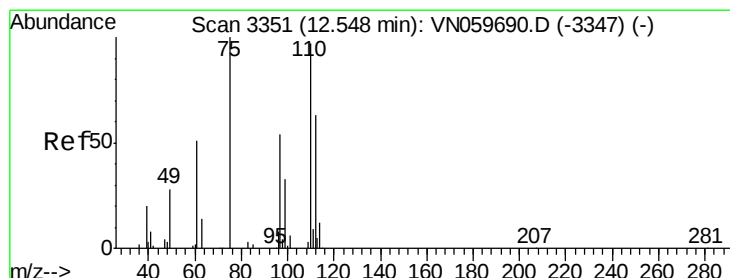
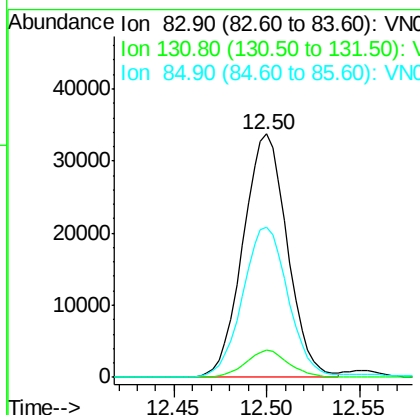
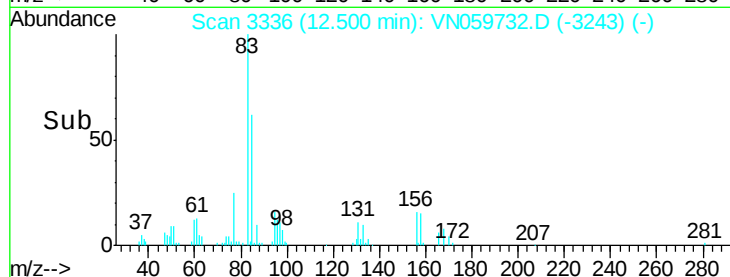
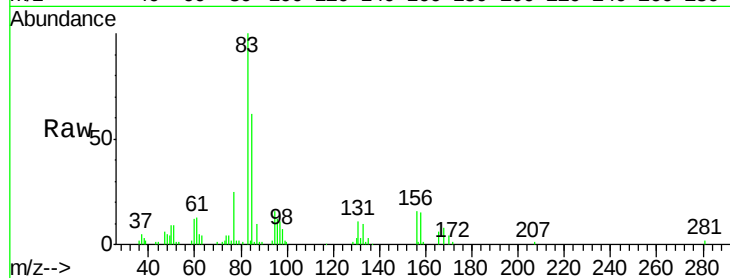
ClientSampleId :

VN0116WBSD01

Tot Ion:	83	Resp:	56241
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.0	14.9
85	63.3	31.9	95.5

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#76

1,2,3-Trichloropropane

Concen: 22.766 ug/l m

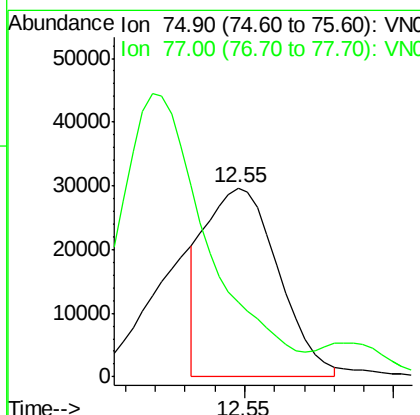
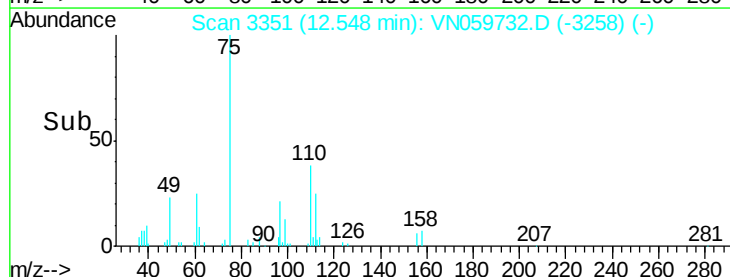
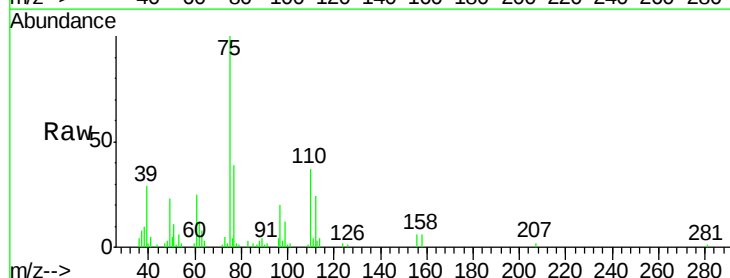
RT: 12.55 min Scan# 3351

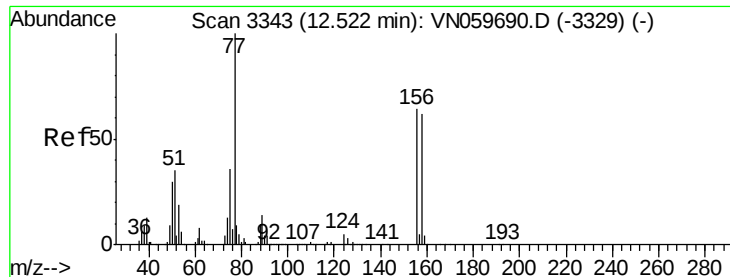
Delta R.T. 0.00 min

Lab File: VN059732.D

Acq: 16 Jan 2020 15:18

Tgt Ion:	75	Resp:	50760
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.185 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN059732.D

Acq: 16 Jan 2020 15:18

Instrument :

MSVOA_N

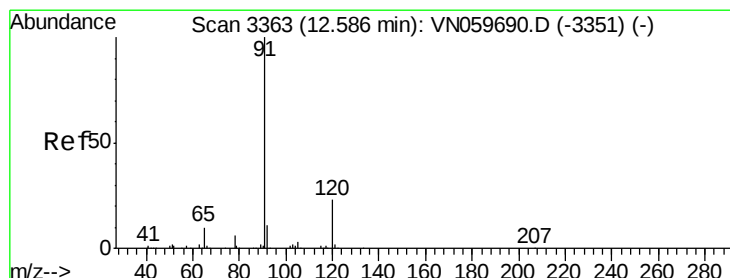
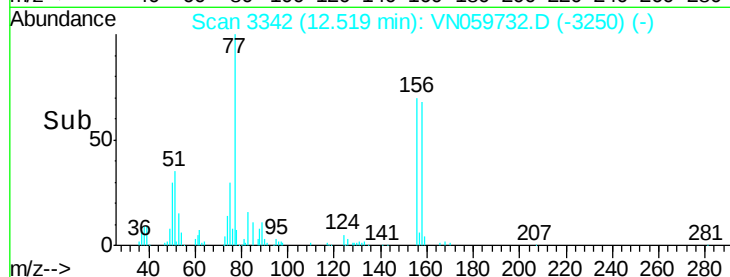
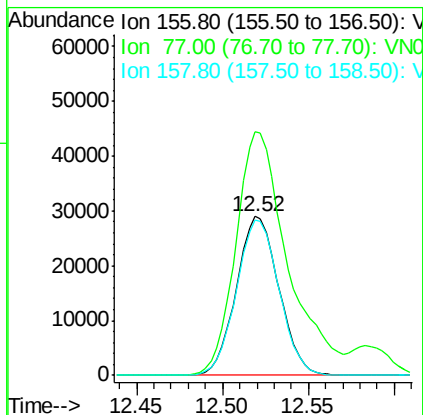
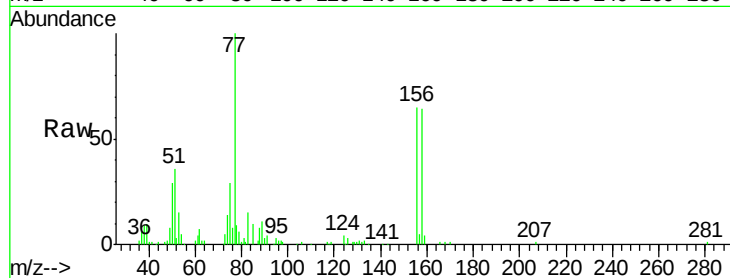
ClientSampleId :

VN0116WBSD01

Tot Ion:	156	Resp:	49667
Ion	Ratio	Lower	Upper
156	100		
77	187.8	115.8	347.4
158	98.3	49.2	147.6

Manual Integrations
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#78

n-propylbenzene

Concen: 20.009 ug/l

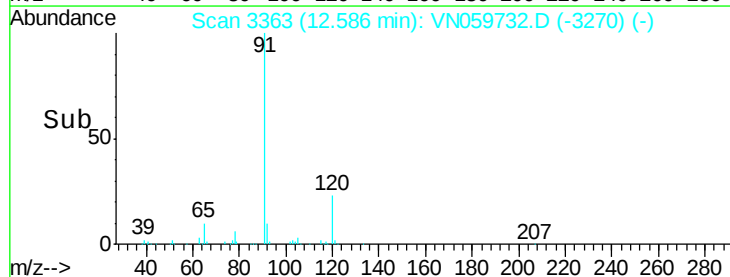
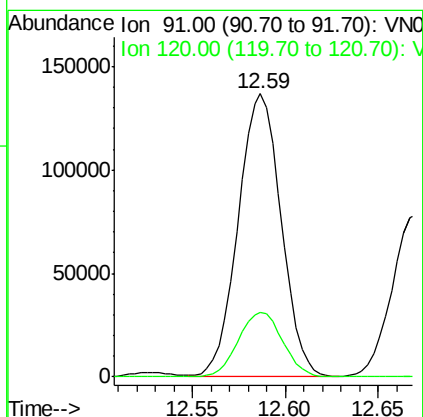
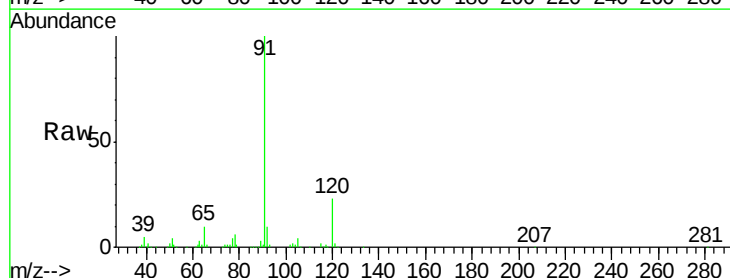
RT: 12.59 min Scan# 3363

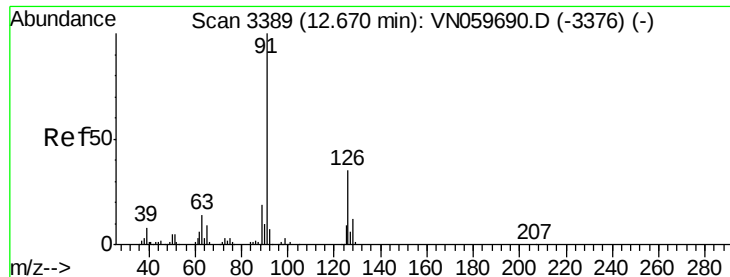
Delta R.T. 0.00 min

Lab File: VN059732.D

Acq: 16 Jan 2020 15:18

Tgt Ion:	91	Resp:	218216
Ion	Ratio	Lower	Upper
91	100		
120	23.6	11.1	33.3





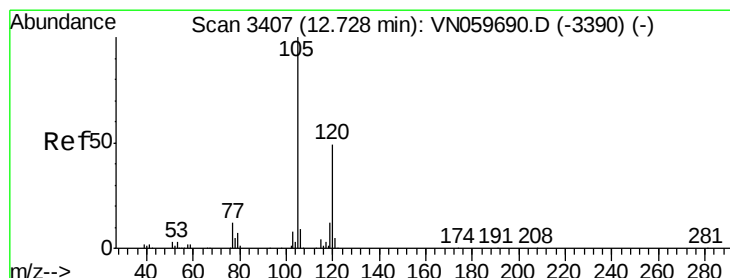
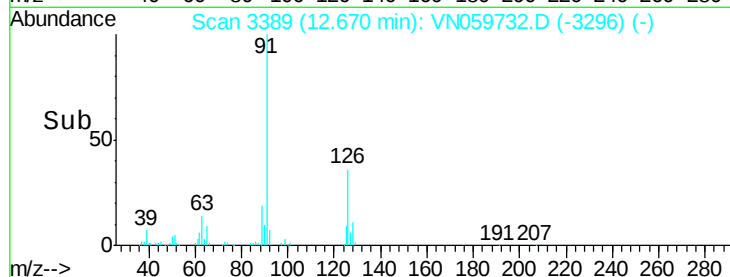
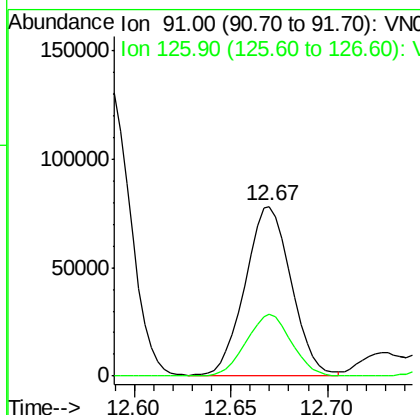
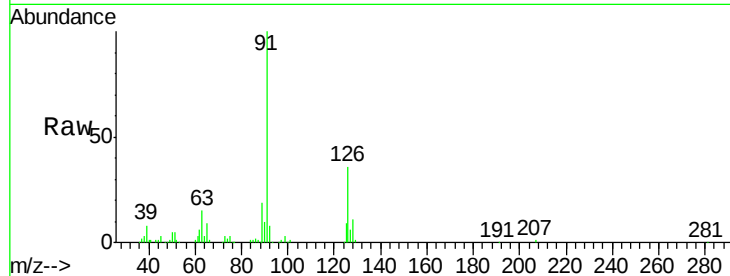
#79
 2-Chlorotoluene
 Concen: 19.879 ug/l
 RT: 12.67 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VN059732.D
 Acq: 16 Jan 2020 15:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0116WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
126	36.1	16.3	48.9

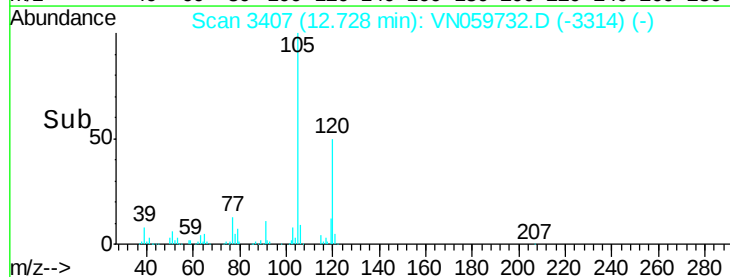
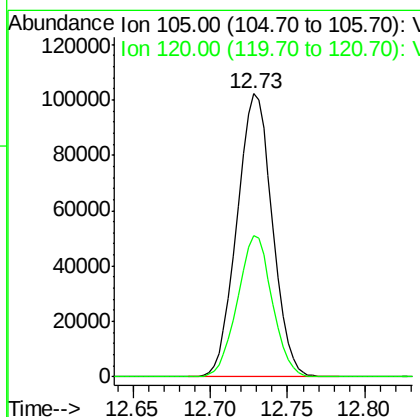
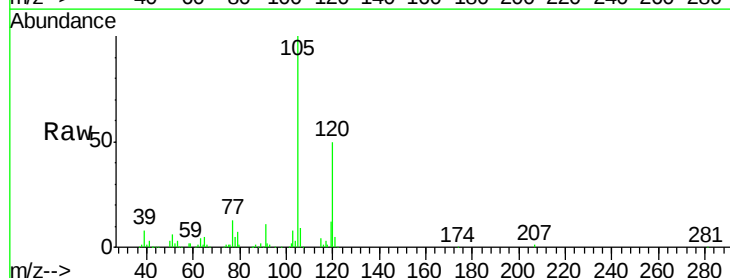
Manual Integrations
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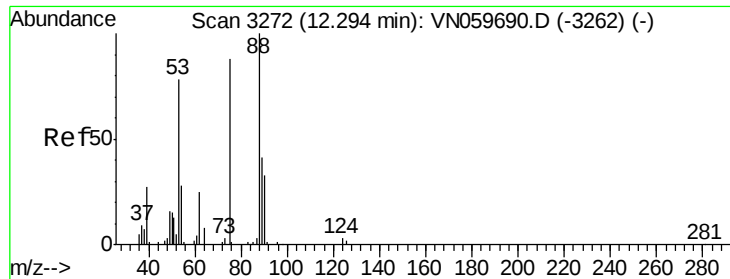
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#80
 1,3,5-Trimethylbenzene
 Concen: 19.905 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. 0.00 min
 Lab File: VN059732.D
 Acq: 16 Jan 2020 15:18

Tgt Ion	Ratio	Lower	Upper
105	100		
120	49.0	24.1	72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 18.510 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN059732.D

Acq: 16 Jan 2020 15:18

Instrument :

MSVOA_N

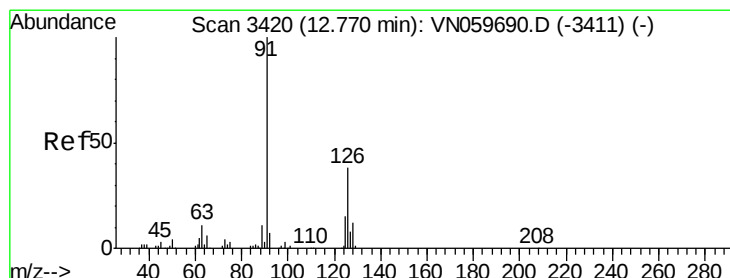
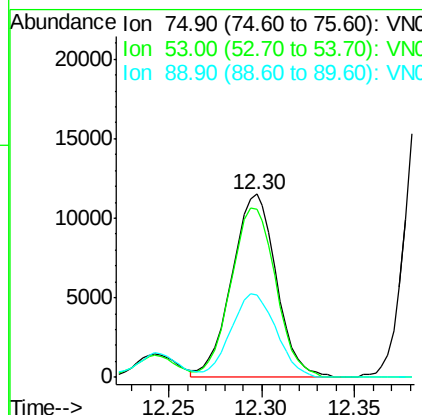
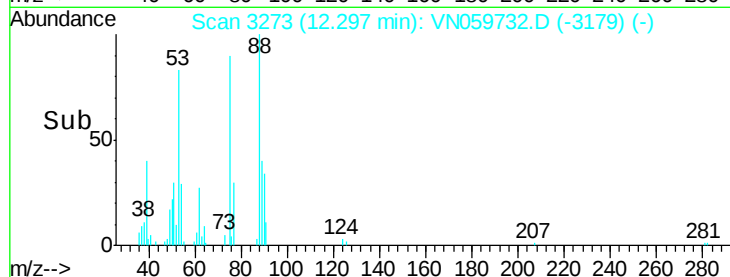
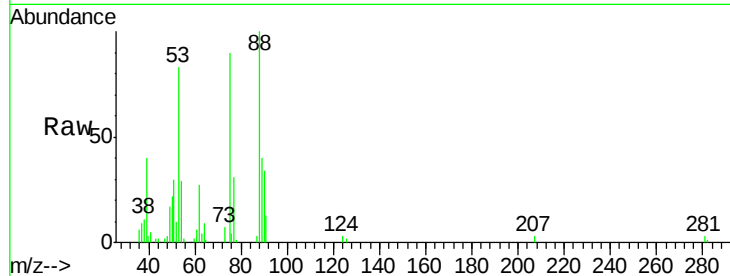
ClientSampleId :

VN0116WBSD01

Tot Ion:	75	Resp:	19218
Ion	Ratio	Lower	Upper
75	100		
53	93.5	78.1	117.1
89	46.5	35.4	53.2

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#82

4-Chlorotoluene

Concen: 20.176 ug/l

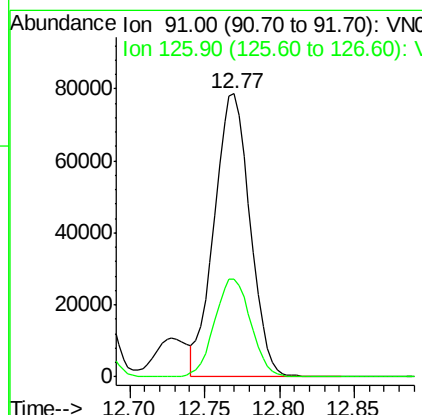
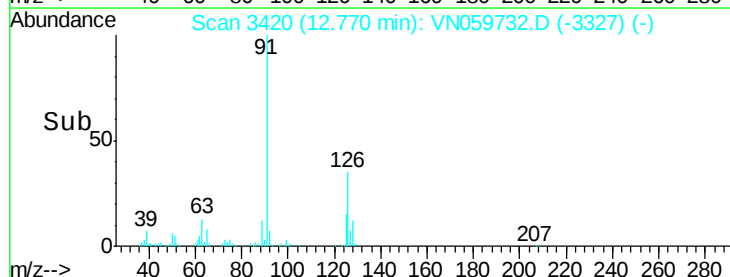
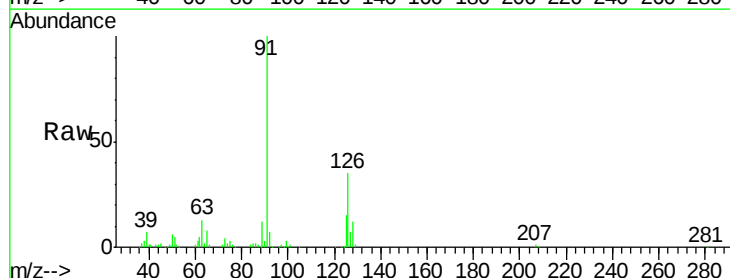
RT: 12.77 min Scan# 3420

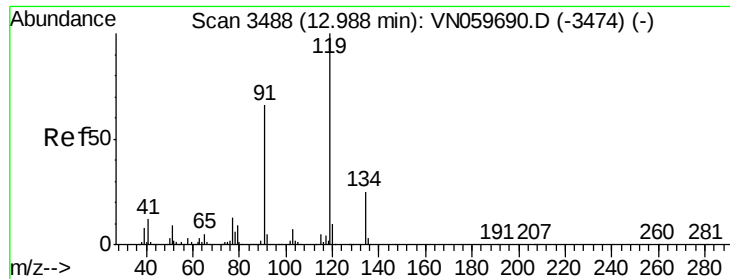
Delta R.T. 0.00 min

Lab File: VN059732.D

Acq: 16 Jan 2020 15:18

Tgt Ion:	91	Resp:	131293
Ion	Ratio	Lower	Upper
91	100		
126	35.0	16.3	48.8





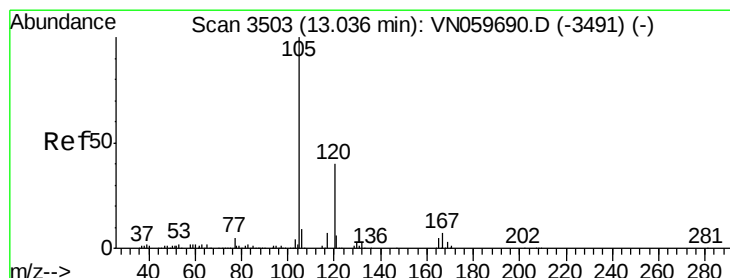
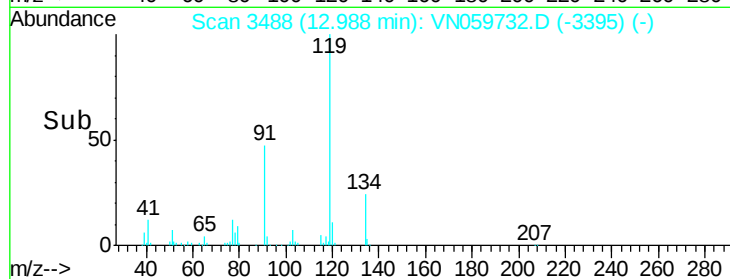
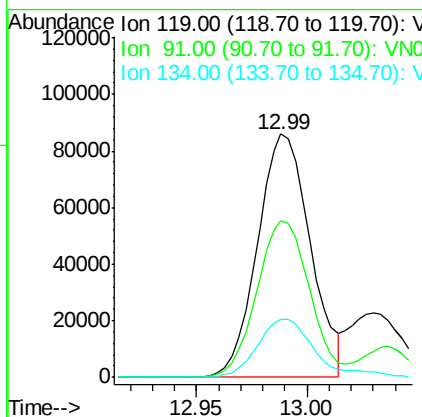
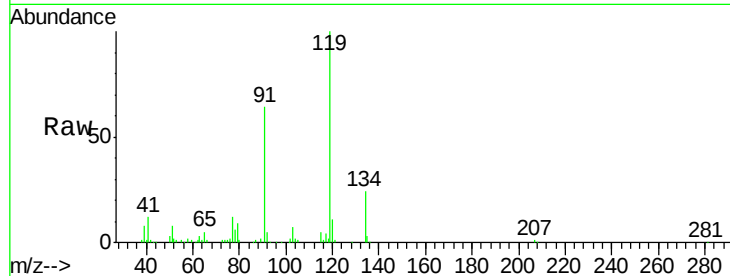
#83
tert-Butylbenzene
Concen: 20.148 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. 0.00 min
Lab File: VN059732.D
Acq: 16 Jan 2020 15:18

Instrument :
MSVOA_N
ClientSampleId :
VN0116WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	142393		
91	64.2	34.8	104.4	
134	26.0	12.3	36.9	

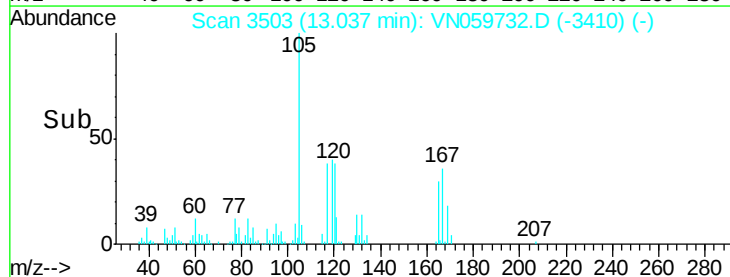
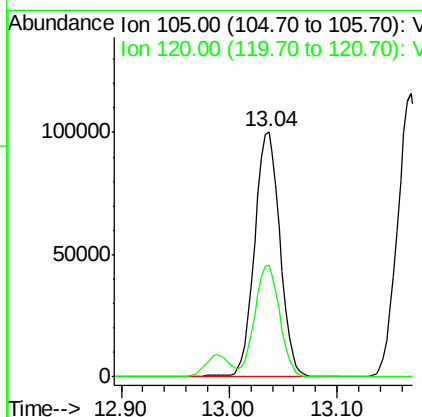
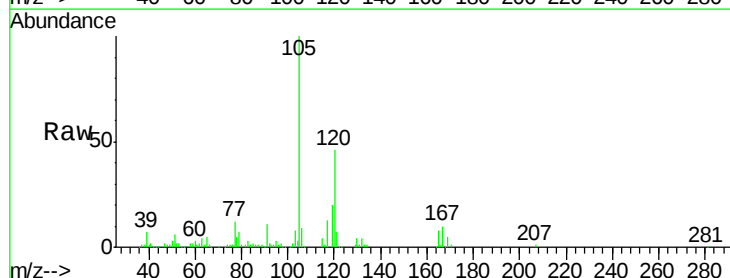
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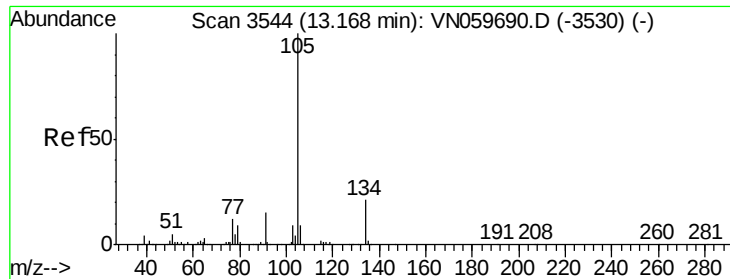
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#84
1,2,4-Trimethylbenzene
Concen: 20.161 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN059732.D
Acq: 16 Jan 2020 15:18

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	162990		
120	45.1	22.3	66.9	





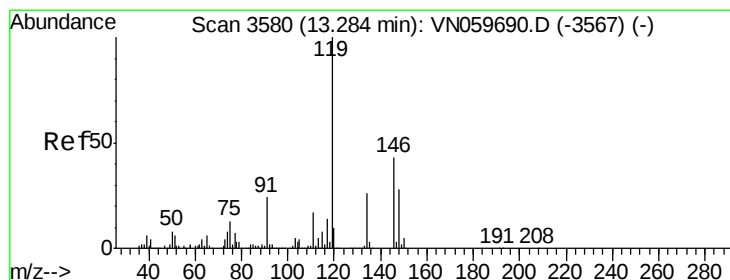
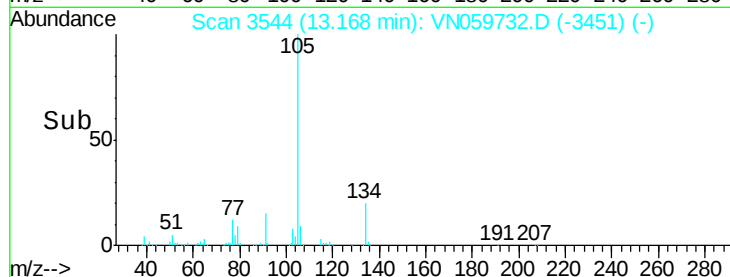
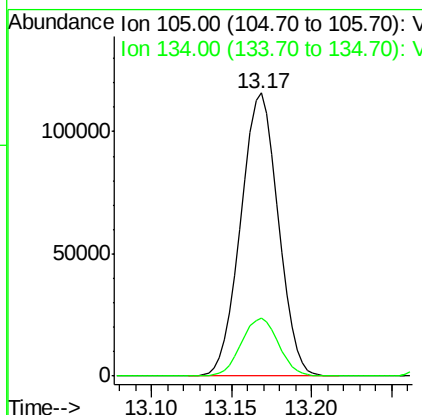
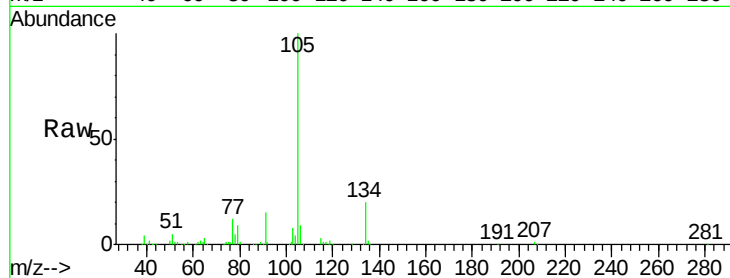
#85
 sec-Butylbenzene
 Concen: 19.889 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN059732.D
 Acq: 16 Jan 2020 15:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0116WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.3	9.8	29.5

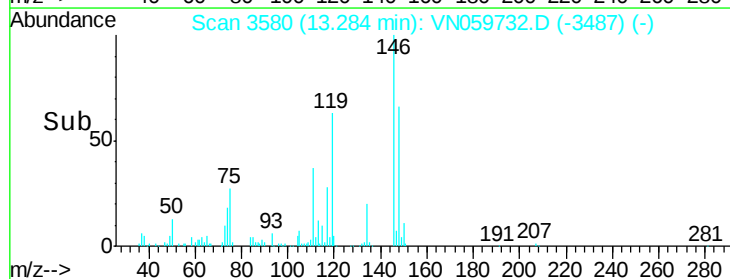
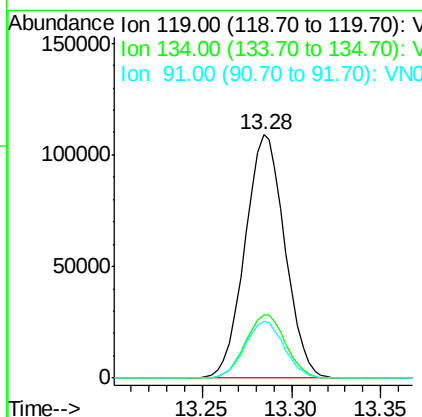
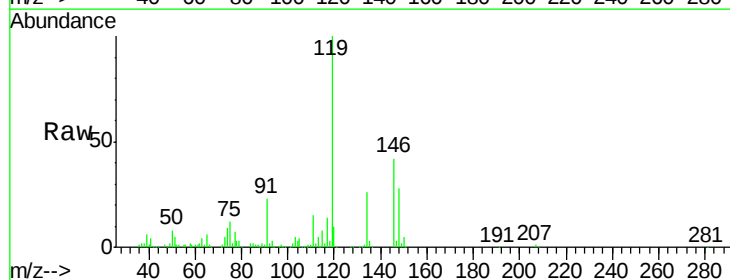
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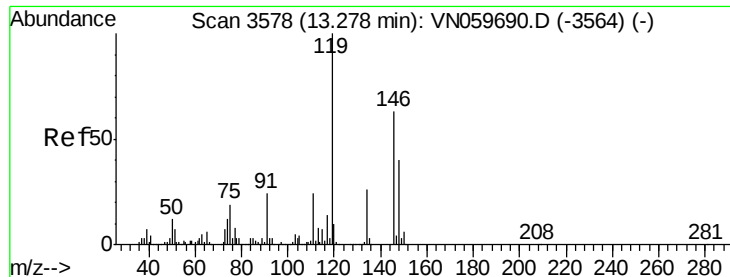
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#86
 p-Isopropyltoluene
 Concen: 19.855 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN059732.D
 Acq: 16 Jan 2020 15:18

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.4	12.9	38.7
91	23.2	12.4	37.4





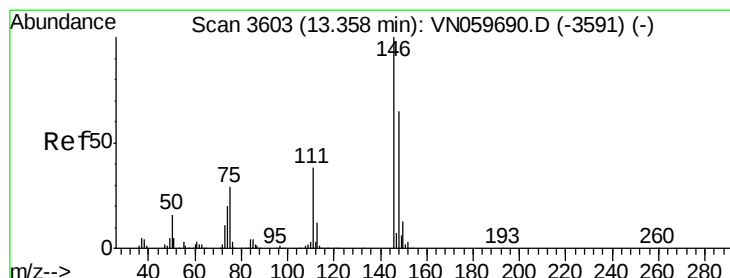
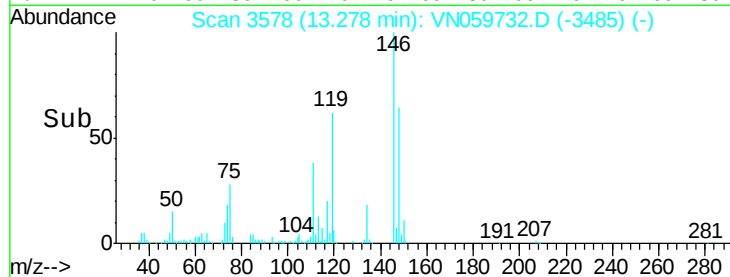
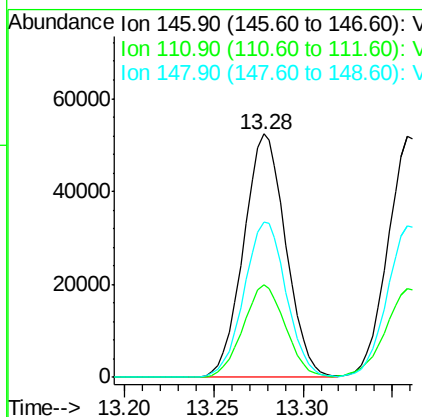
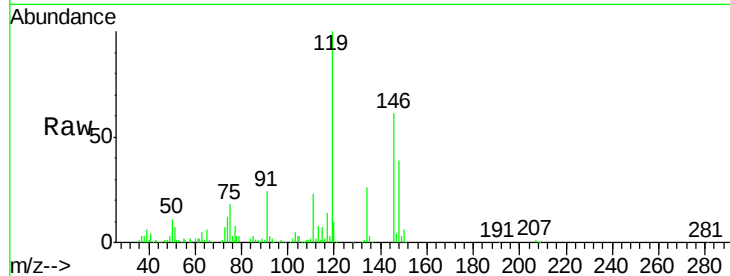
#87
 1,3-Dichlorobenzene
 Concen: 20.335 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN059732.D
 Acq: 16 Jan 2020 15:18

Instrument :
 MSVOA_N
 ClientSampled :
 VN0116WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	20.8	62.2
148	63.9	32.0	96.0

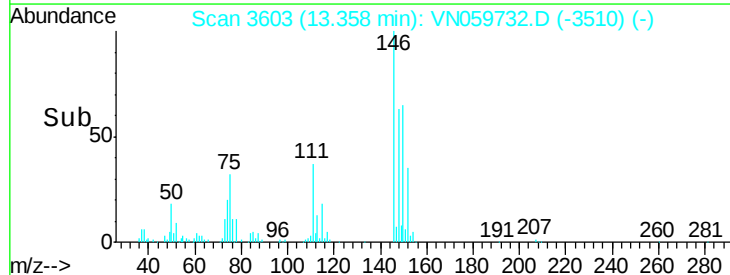
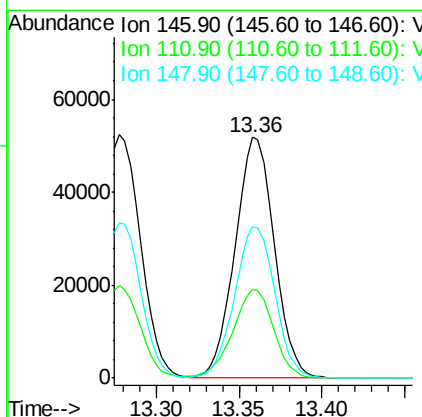
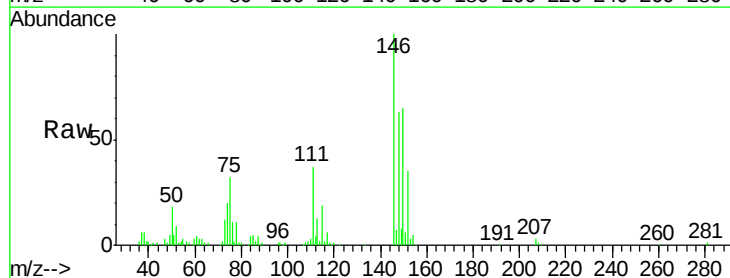
Manual Integrations
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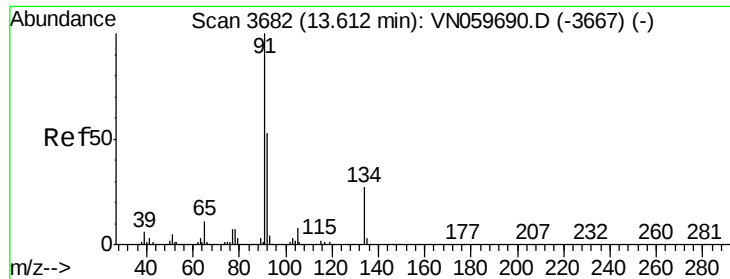
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#88
 1,4-Dichlorobenzene
 Concen: 20.037 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN059732.D
 Acq: 16 Jan 2020 15:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	20.8	62.2
148	64.7	31.8	95.4





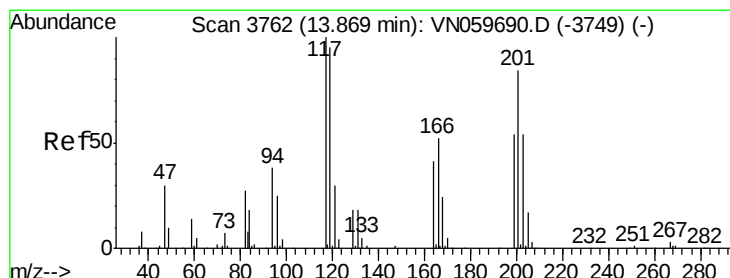
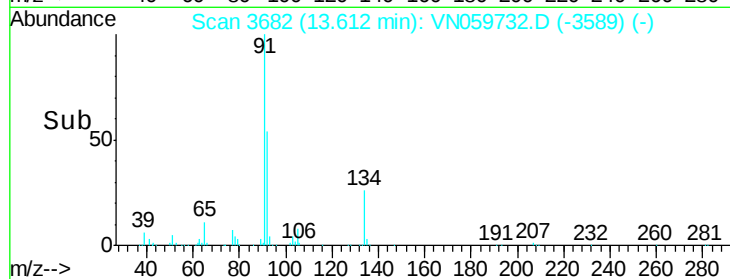
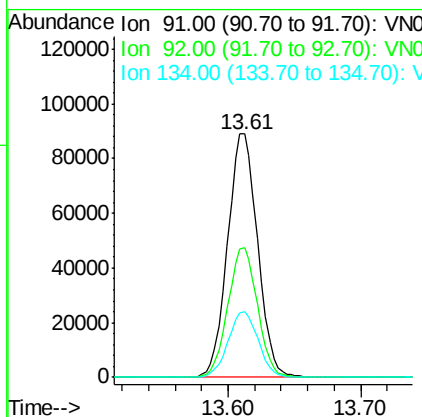
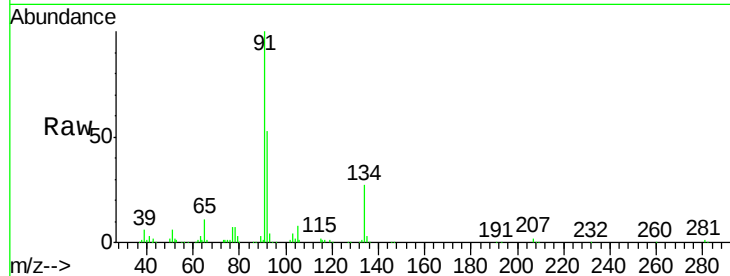
#89
n-Butylbenzene
Concen: 19.116 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN059732.D
Acq: 16 Jan 2020 15:18

Instrument :
MSVOA_N
ClientSampleId :
VN0116WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	25.9	77.7
134	27.1	12.3	36.8

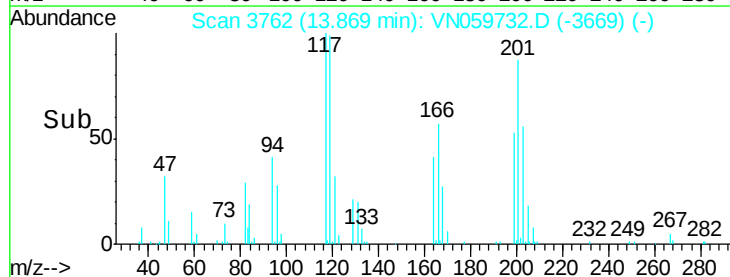
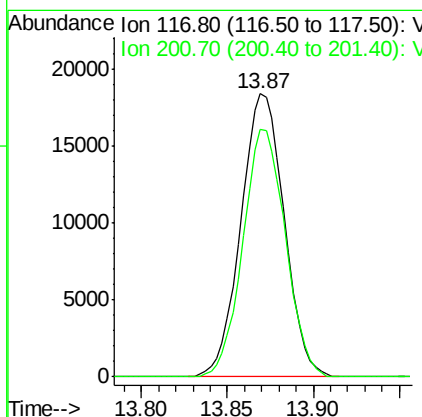
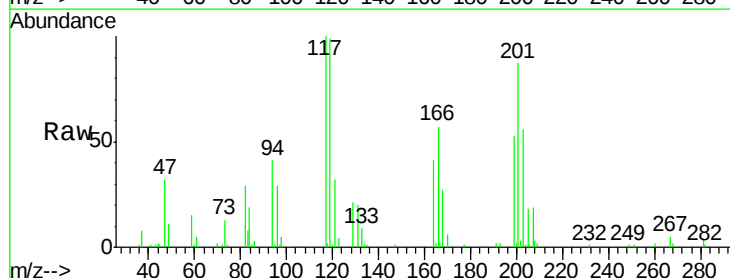
Manual Integrations
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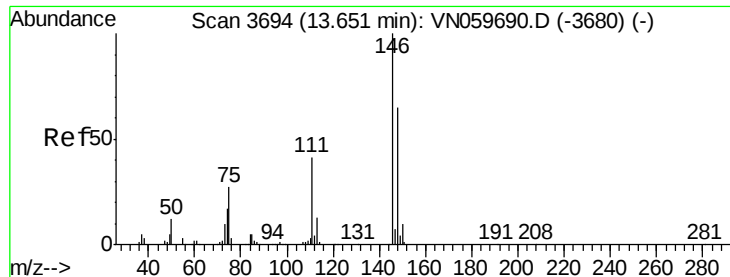
MMDadoda
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#90
Hexachloroethane
Concen: 19.954 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN059732.D
Acq: 16 Jan 2020 15:18

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.6	37.8	113.4





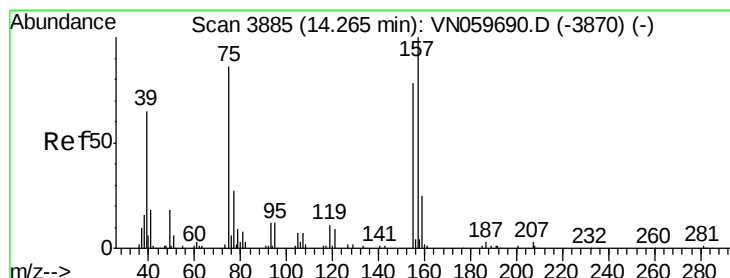
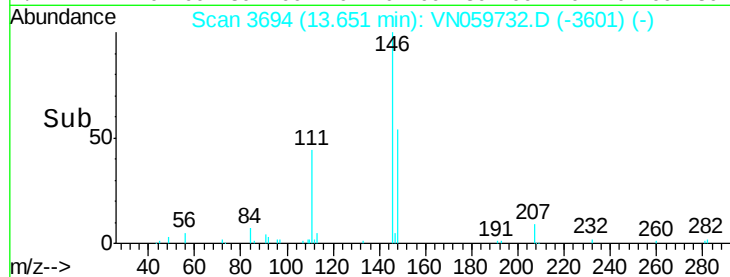
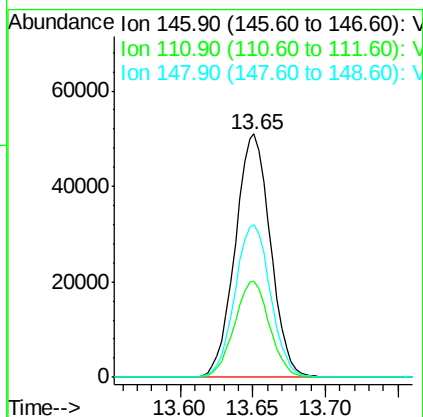
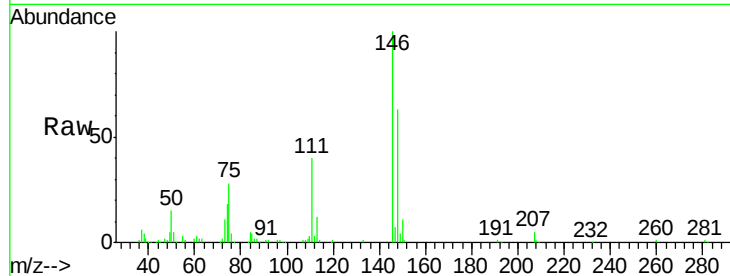
#91
 1,2-Dichlorobenzene
 Concen: 20.377 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN059732.D
 Acq: 16 Jan 2020 15:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0116WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	21.6	64.8
148	63.5	31.6	95.0

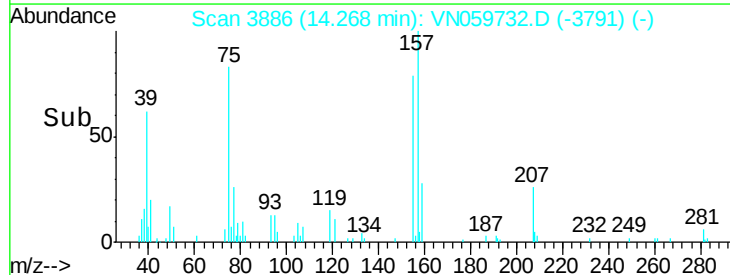
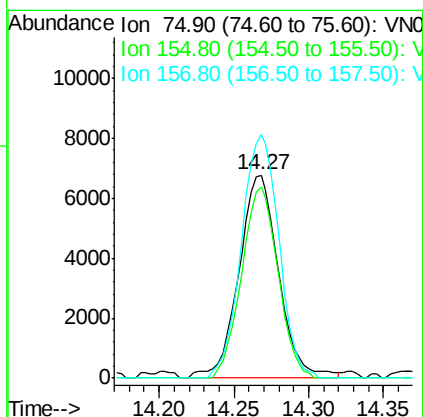
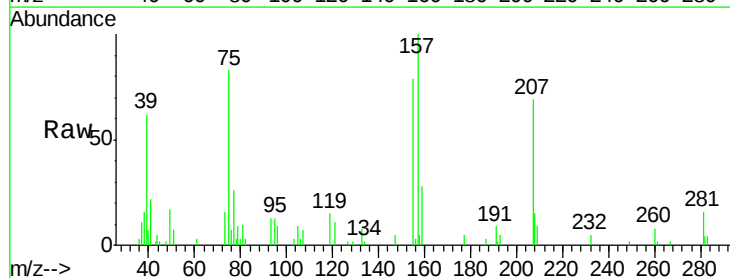
Manual Integrations
 APPROVED

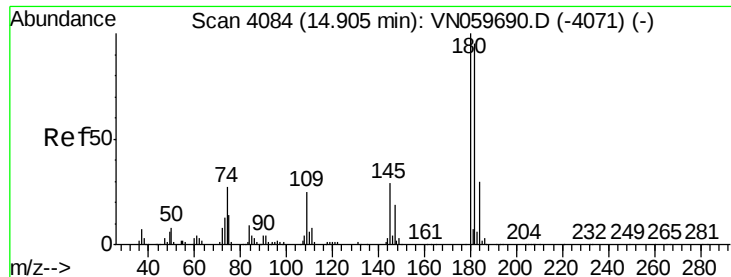
MMDadoda
 1/17/2020 1:53:13 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.410 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN059732.D
 Acq: 16 Jan 2020 15:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.2	37.0	110.9
157	113.2	48.4	145.2





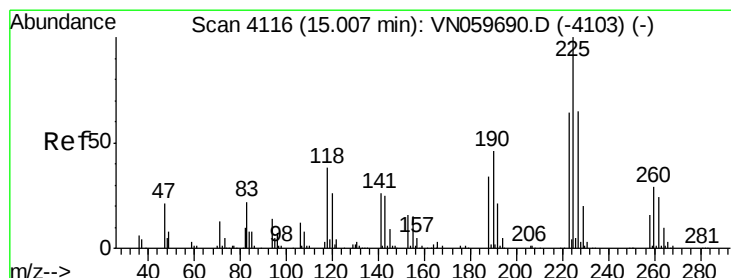
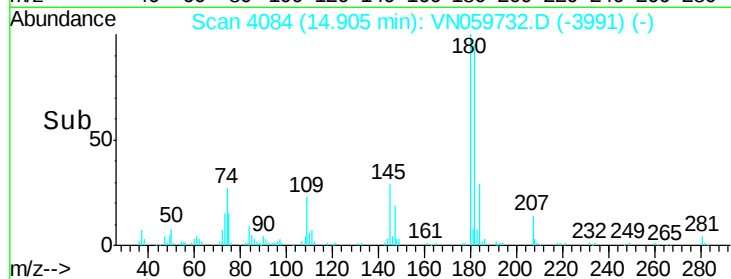
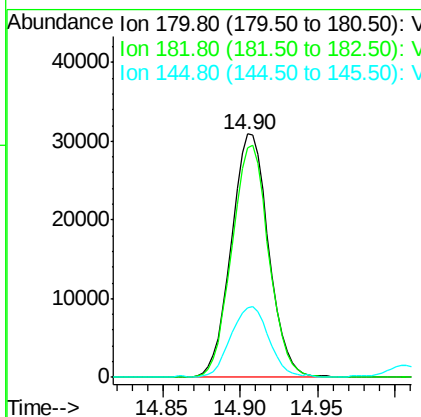
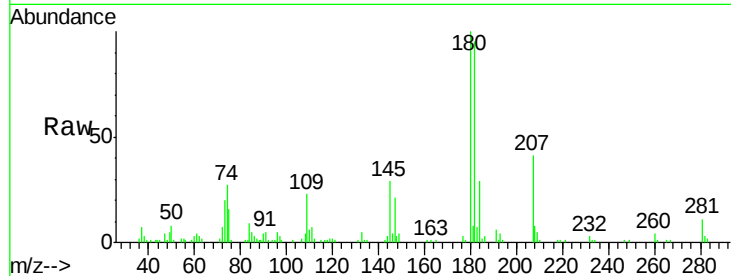
#93
1,2,4-Trichlorobenzene
Concen: 20.386 ug/l
RT: 14.90 min Scan# 4084
Delta R.T. 0.00 min
Lab File: VN059732.D
Acq: 16 Jan 2020 15:18

Instrument :
MSVOA_N
ClientSampled :
VN0116WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.2	46.9	140.7
145	29.8	15.0	45.1

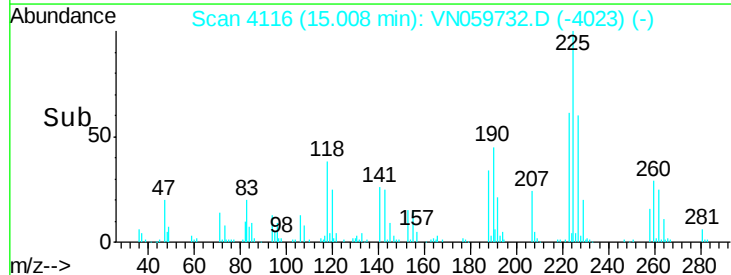
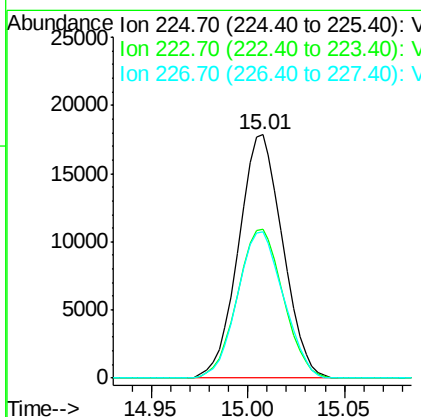
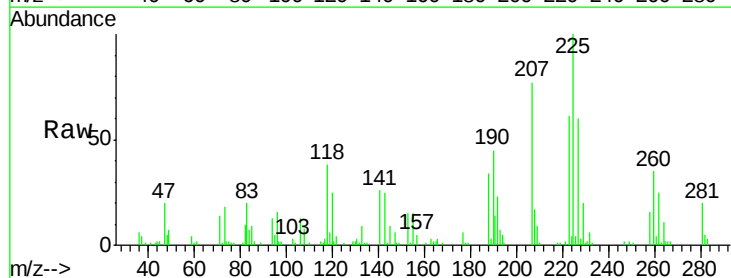
Manual Integrations
APPROVED

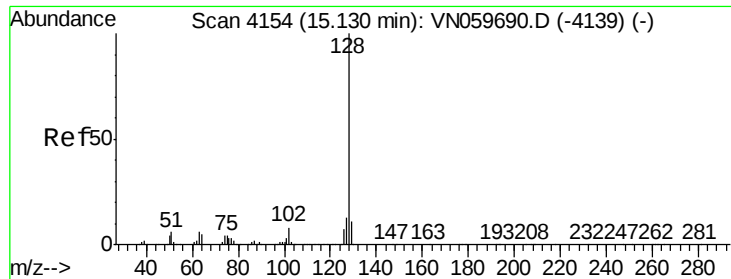
MMDadoda
1/17/2020 1:53:13 PM



#94
Hexachlorobutadiene
Concen: 20.278 ug/l
RT: 15.01 min Scan# 4116
Delta R.T. 0.00 min
Lab File: VN059732.D
Acq: 16 Jan 2020 15:18

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.8	95.3
227	62.4	32.1	96.5





#95

Naphthalene

Concen: 19.832 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059732.D

Acq: 16 Jan 2020 15:18

Instrument :

MSVOA_N

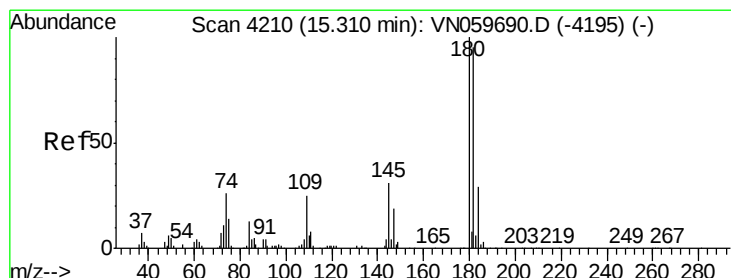
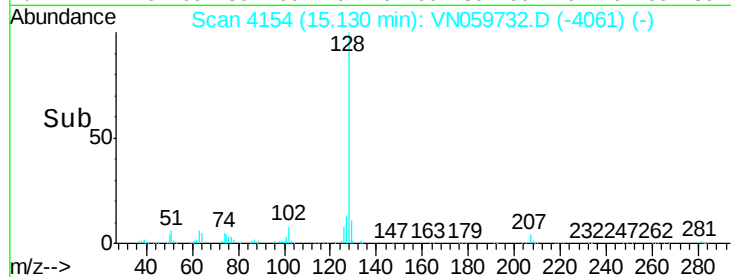
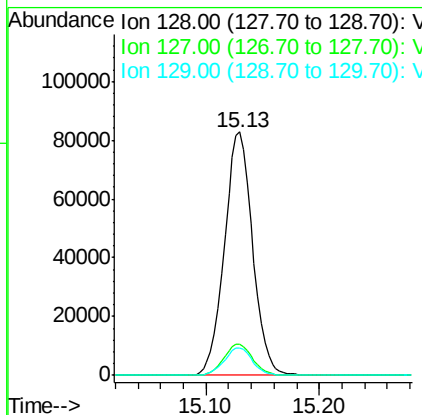
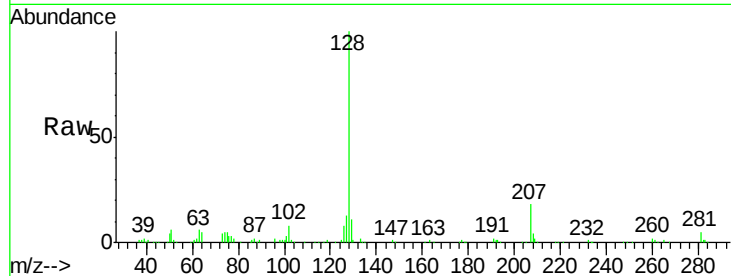
ClientSampleId :

VN0116WBSD01

Tot Ion:	128	Resp:	143224
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.4	15.6
129	11.3	8.6	12.8

Manual Integrations
APPROVED

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1/17/2020 1:53:13 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.923 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN059732.D

Acq: 16 Jan 2020 15:18

Tgt Ion:	180	Resp:	49238
Ion Ratio	Lower	Upper	
180	100		
182	96.1	47.4	142.3
145	32.6	16.3	48.9

