

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082319\
 Data File : VN057472.D
 Acq On : 23 Aug 2019 14:15
 Operator : JC/SP
 Sample : VN0823WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0823WBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/26/2019 1:12:24 PM

Quant Time: Aug 24 00:01:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 23 23:15:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	67656	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	391267	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.40	117	329472	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	197026	30.21	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.70%
60) 4-Bromofluorobenzene	12.40	95	152864	28.14	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	93.80%
63) Toluene-d8	10.08	98	509695	30.63	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.10%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.84	85	72958	20.613	ug/l 93
3) Chloromethane	2.05	50	103244	19.425	ug/l 99
4) Vinyl Chloride	2.17	62	128608	19.047	ug/l 99
5) Bromomethane	2.55	94	84077	19.248	ug/l 96
6) Chloroethane	2.69	64	82723	18.290	ug/l 97
7) Trichlorofluoromethane	3.00	101	204856	19.075	ug/l 92
8) Diethyl Ether	3.39	74	77025	18.669	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	114173	18.875	ug/l 99
10) 1,1-Dichloroethene	3.71	96	110153	18.863	ug/l 98
11) Methyl Iodide	3.92	142	81091	15.448	ug/l 97
12) Methyl Acetate	4.30	43	112713	19.160	ug/l 100
13) Acrolein	3.58	56	70161	93.779	ug/l 95
14) Acrylonitrile	4.97	53	192135	94.015	ug/l 99
15) Acetone	3.80	58	73361	76.735	ug/l 93
16) Carbon Disulfide	4.02	76	191567	18.417	ug/l 97
17) Allyl chloride	4.29	41	142961	17.945	ug/l 99
18) Methylene Chloride	4.53	84	78652	18.365	ug/l 94
19) trans-1,2-Dichloroethene	5.01	96	70937	17.590	ug/l 98
20) Diisopropyl ether	5.93	45	314567	18.495	ug/l 99
21) 1,1-Dichloroethane	5.82	63	164273	18.587	ug/l 98
22) cis-1,2-Dichloroethene	6.81	96	87356	17.809	ug/l 97
23) tert-Butyl Alcohol	4.79	59	65555	88.306	ug/l # 100
24) Methyl tert-Butyl Ether	5.02	73	254631	18.873	ug/l 99
25) Chloroform	7.36	83	162383	18.506	ug/l 95
26) Cyclohexane	7.63	56	140644	17.871	ug/l # 100
29) 1,1-Dichloropropene	7.77	75	118070	17.756	ug/l 96
30) 2-Butanone	6.82	43	274918	85.991	ug/l 98
31) 2,2-Dichloropropane	6.80	77	134218	17.666	ug/l 98
32) 1,1,1-Trichloroethane	7.55	97	136922	18.012	ug/l 99
33) Carbon Tetrachloride	7.75	117	112453	17.815	ug/l 92
34) Benzene	8.03	78	347249	17.758	ug/l 98
35) Methacrylonitrile	7.16	41	59083	18.260	ug/l 92
36) 1,2-Dichloroethane	8.11	62	143042	18.660	ug/l # 89
37) Trichloroethene	8.82	130	78538	17.604	ug/l 94
38) Methylcyclohexane	9.07	83	130417	17.473	ug/l 98
39) 1,2-Dichloropropane	9.11	63	102440	18.424	ug/l 96
40) Dibromomethane	9.20	93	62153	18.291	ug/l 97

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	9.39	83	125662	17.436	ug/l #	94
42) Vinyl Acetate	5.87	43	1275631	89.160	ug/l	100
43) Ethyl Acetate	6.91	43	113893	18.302	ug/l	98
44) Isopropyl Acetate	8.16	43	216916	18.260	ug/l #	93
45) 1,4-Dioxane	9.20	88	23278	325.999	ug/l	97
46) Methyl methacrylate	9.19	41	102972	18.252	ug/l	97
47) n-amyl Acetate	12.07	43	172119	18.002	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	130614	17.156	ug/l	99
49) cis-1,3-Dichloropropene	9.83	75	144526	17.271	ug/l	94
50) 1,1,2-Trichloroethane	10.56	97	79205	17.776	ug/l	95
51) Ethyl methacrylate	10.43	69	133222	17.986	ug/l	96
52) 1,3-Dichloropropane	10.70	76	148763	18.312	ug/l	99
53) Dibromochloromethane	10.90	129	82208	17.306	ug/l	99
54) 1,2-Dibromoethane	11.00	107	79778	17.498	ug/l	98
55) 2-Chloroethyl vinyl ether	9.69	63	334899	183.421	ug/l	99
56) Bromoform	12.13	173	48238	17.015	ug/l #	94
58) 4-Methyl-2-Pentanone	9.98	43	617113	95.477	ug/l	99
59) 2-Hexanone	10.75	43	418150	93.336	ug/l	100
61) Tetrachloroethene	10.63	164	72792	19.265	ug/l	96
62) Toluene	10.15	91	363659	18.060	ug/l	99
64) Chlorobenzene	11.43	112	199472	18.221	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	76211	18.319	ug/l	98
66) Ethyl Benzene	11.51	91	384960	17.863	ug/l	99
67) m/p-Xylenes	11.62	106	260728	34.881	ug/l	96
68) o-Xylene	11.95	106	133501	18.073	ug/l	99
69) Styrene	11.96	104	203340	17.232	ug/l	99
70) Isopropylbenzene	12.25	105	354737	17.952	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	105199	18.409	ug/l	97
72) 1,2,3-Trichloropropane	12.55	75	101147m	19.498	ug/l	
73) Bromobenzene	12.53	156	70764	17.692	ug/l	99
74) n-propylbenzene	12.59	91	380781	16.899	ug/l	100
75) 2-Chlorotoluene	12.68	91	232737	17.538	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	285551	17.608	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	31964	17.182	ug/l	95
78) 4-Chlorotoluene	12.77	91	213329	17.013	ug/l	99
79) tert-butylbenzene	12.99	119	243020	17.611	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	269923	17.853	ug/l	99
81) sec-Butylbenzene	13.17	105	316356	17.397	ug/l	99
82) p-Isopropyltoluene	13.29	119	259568	16.978	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	105879	17.004	ug/l	97
84) 1,4-Dichlorobenzene	13.37	146	101056	16.683	ug/l	99
85) n-Butylbenzene	13.62	91	226231	16.974	ug/l	99
86) Hexachloroethane	13.88	117	52846	17.132	ug/l	94
87) 1,2-Dichlorobenzene	13.66	146	103338	16.899	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	16473	17.177	ug/l	96
89) 1,2,4-Trichlorobenzene	14.91	180	28457	12.420	ug/l	99
90) Hexachlorobutadiene	15.01	225	33714	19.138	ug/l	97
91) Naphthalene	15.13	128	94970	18.337	ug/l	98
92) 1,2,3-Trichlorobenzene	15.30	180	30831	13.455	ug/l	95

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0823WBSD01

Manual Integrations
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QLast Update : Fri Aug 23 23:15:31 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

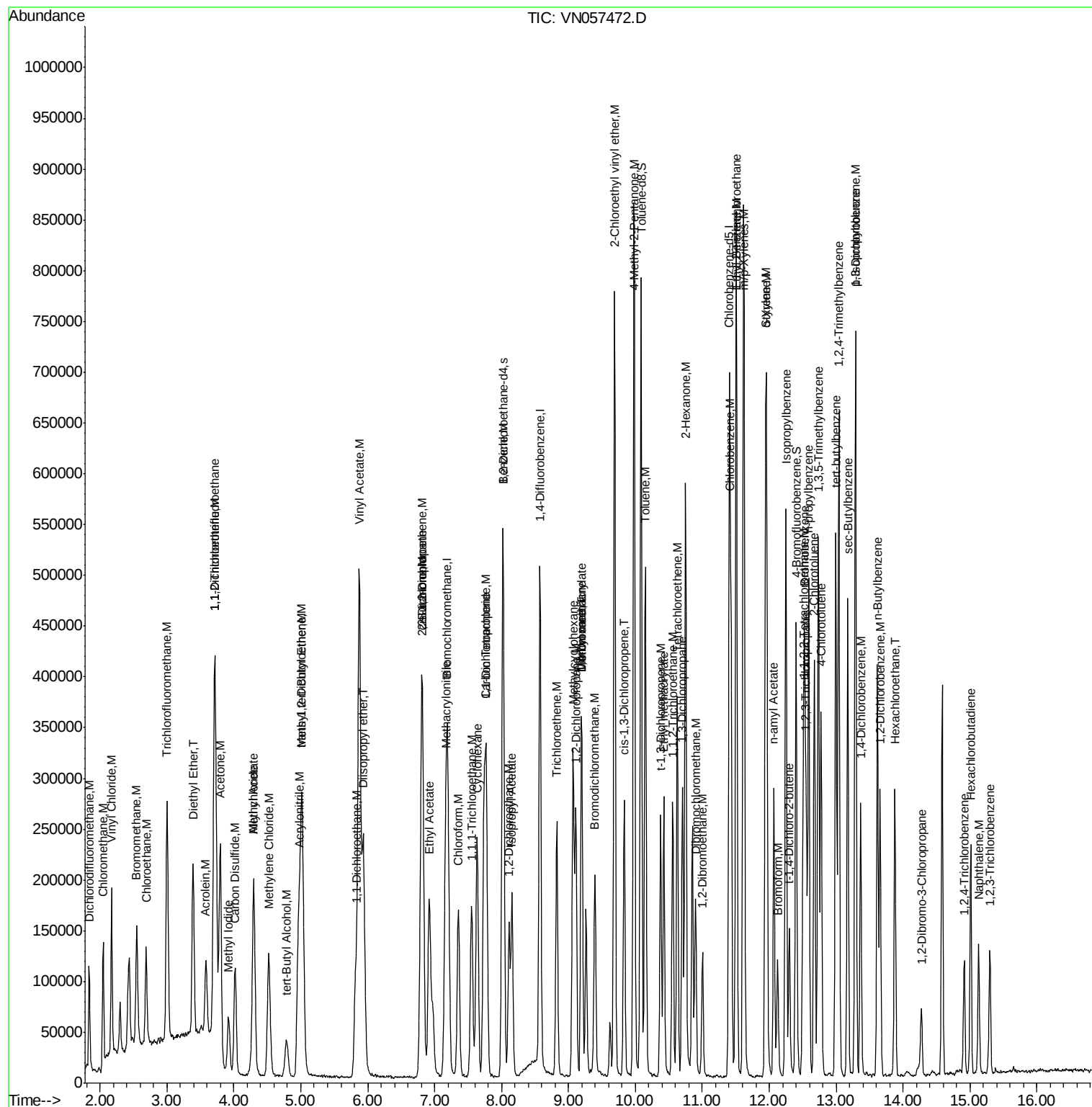
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082319\
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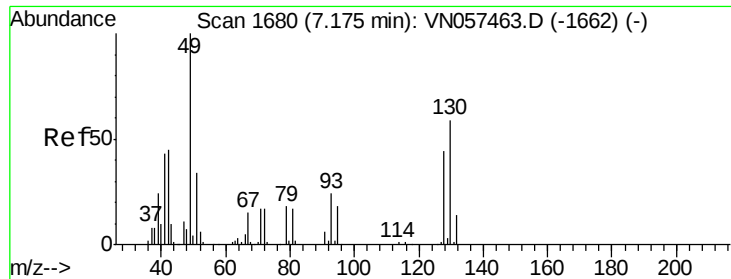
Instrument :
MSVOA_N
ClientSampleId :
VN0823WBSD01

Manual Integrations
APPROVED

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8/26/2019 1:12:24 PM

Quant Time: Aug 24 00:01:21 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082319W.M
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QLast Update : Fri Aug 23 23:15:31 2019
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VN057472.D

Acq: 23 Aug 2019 14:15

Instrument :

MSVOA_N

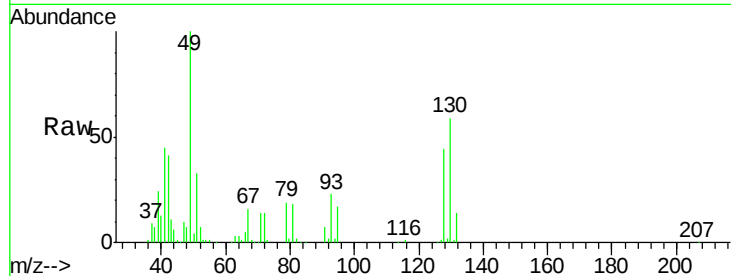
ClientSampleId :

VN0823WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
49	223.1	0.0	560.5
130	129.4	0.0	317.3

Manual Integrations
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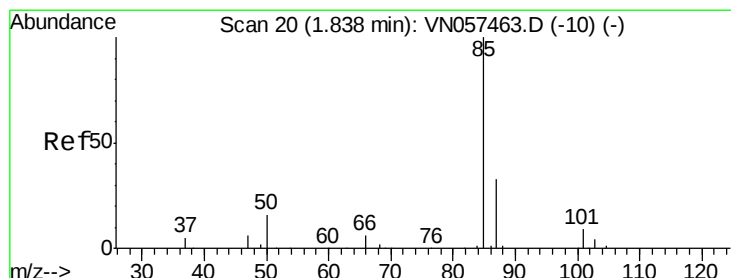
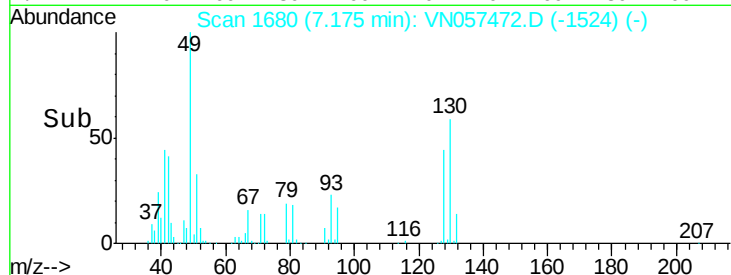
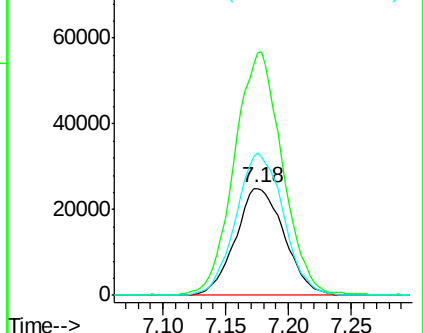
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Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 20.613 ug/l

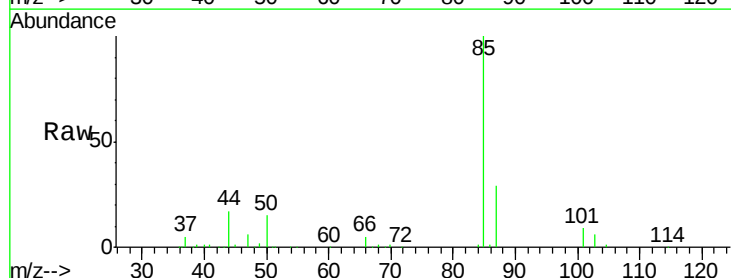
RT: 1.84 min Scan# 20

Delta R.T. 0.00 min

Lab File: VN057472.D

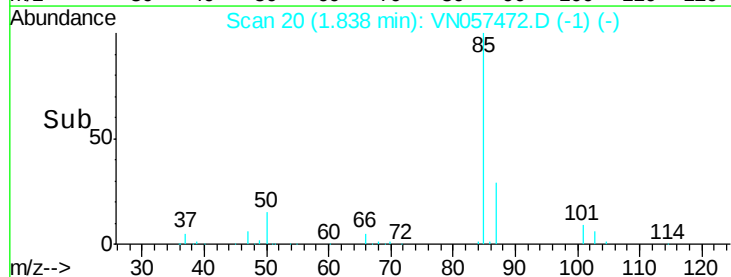
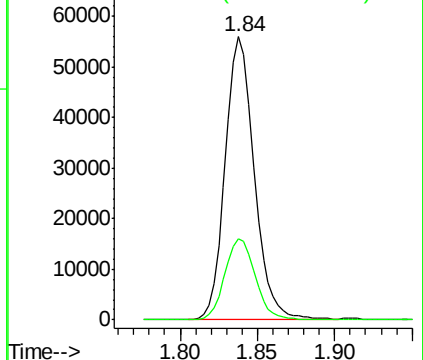
Acq: 23 Aug 2019 14:15

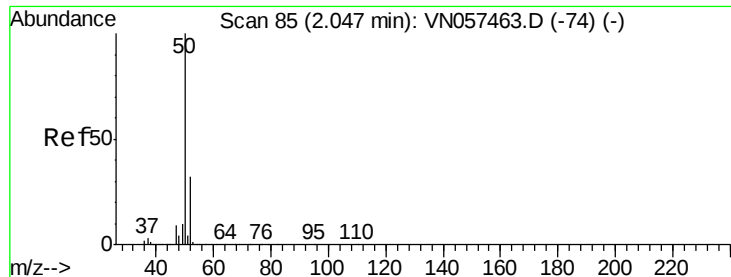
Tgt Ion	Ratio	Lower	Upper
85	100		
87	28.9	16.4	49.1



Abundance Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 19.425 ug/l

RT: 2.05 min Scan# 85

Delta R.T. 0.00 min

Lab File: VN057472.D

Acq: 23 Aug 2019 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN0823WBSD01

Tot Ion: 50 Resp: 103244

Ion Ratio Lower Upper

50 100

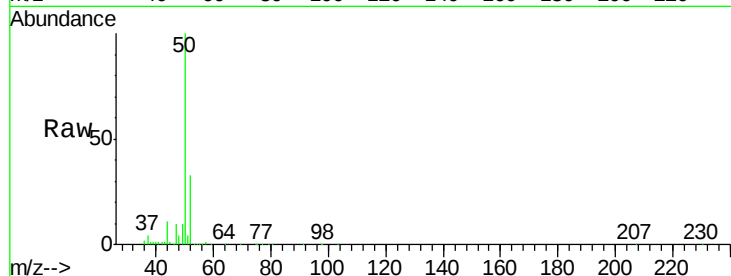
52 32.9 25.8 38.6

Manual Integrations

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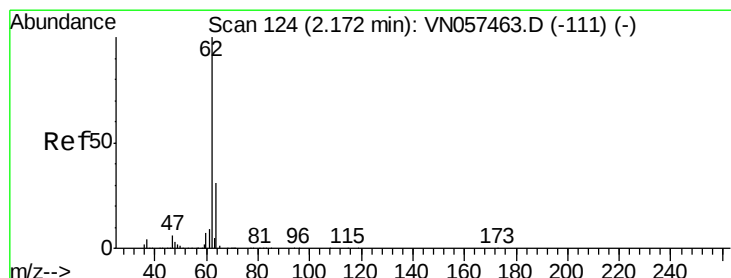
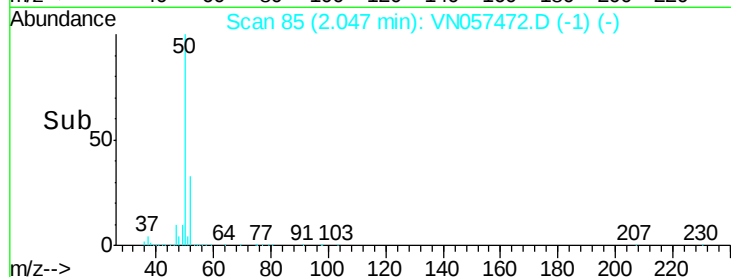
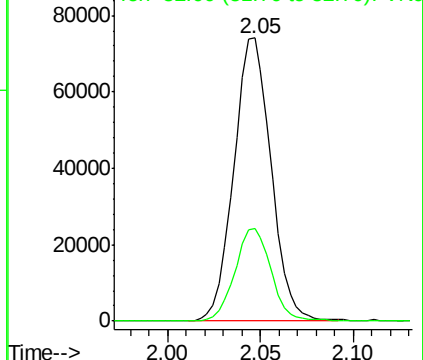
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Abundance Ion 50.00 (49.70 to 50.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#4

Vinyl Chloride

Concen: 19.047 ug/l

RT: 2.17 min Scan# 124

Delta R.T. 0.00 min

Lab File: VN057472.D

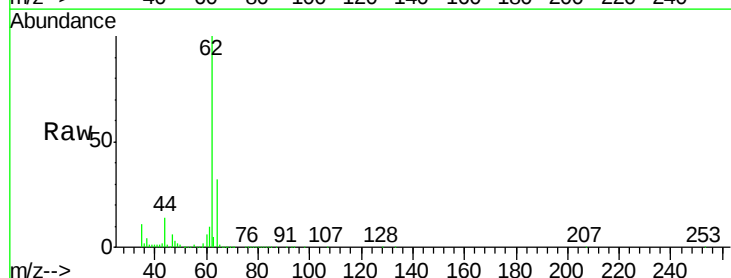
Acq: 23 Aug 2019 14:15

Tgt Ion: 62 Resp: 128608

Ion Ratio Lower Upper

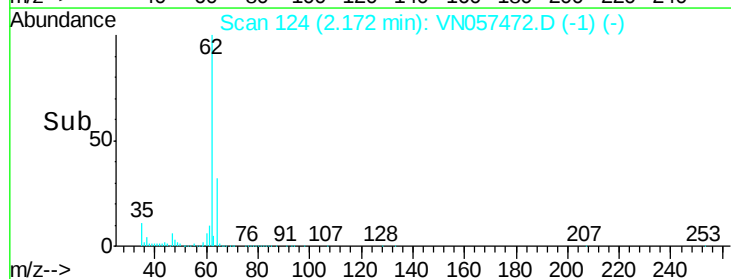
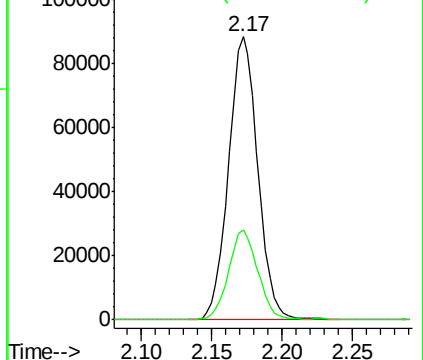
62 100

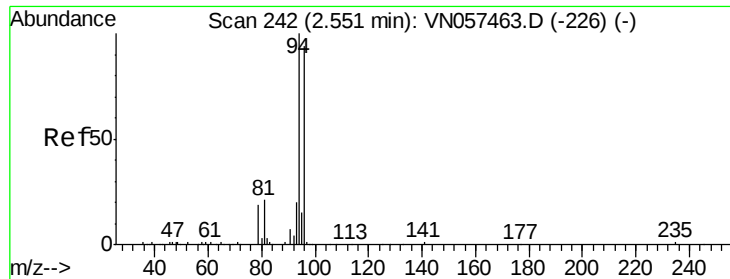
64 31.6 24.8 37.2



Abundance Ion 62.00 (61.70 to 62.70): VNO

Ion 64.00 (63.70 to 64.70): VNO





#5

Bromomethane

Concen: 19.248 ug/l

RT: 2.55 min Scan# 242

Delta R.T. 0.00 min

Lab File: VN057472.D

Acq: 23 Aug 2019 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN0823WBSD01

Tot Ion: 94 Resp: 84077

Ion Ratio Lower Upper

94 100

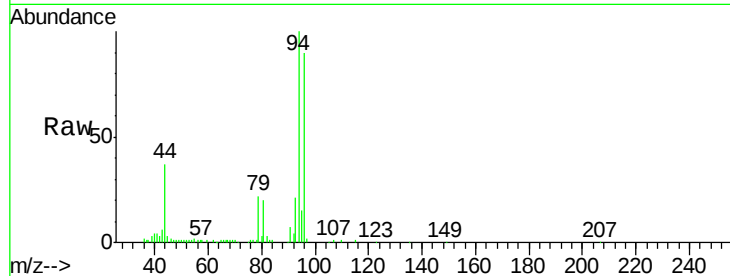
96 89.8 74.8 112.2

Manual Integrations

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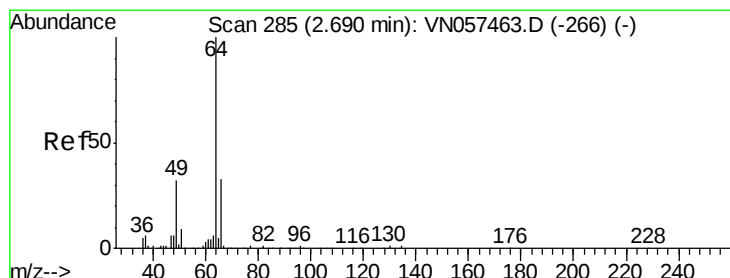
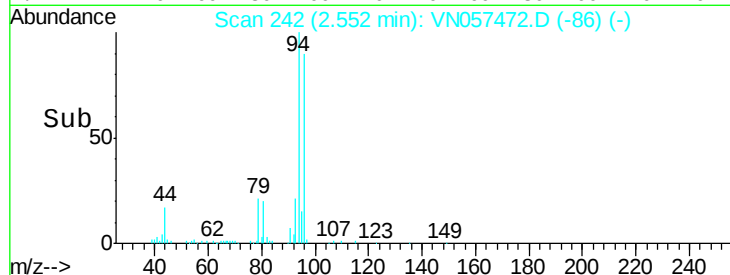
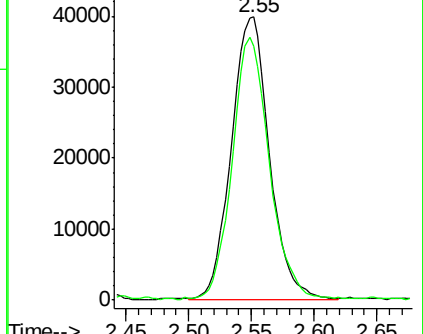
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 18.290 ug/l

RT: 2.69 min Scan# 284

Delta R.T. -0.00 min

Lab File: VN057472.D

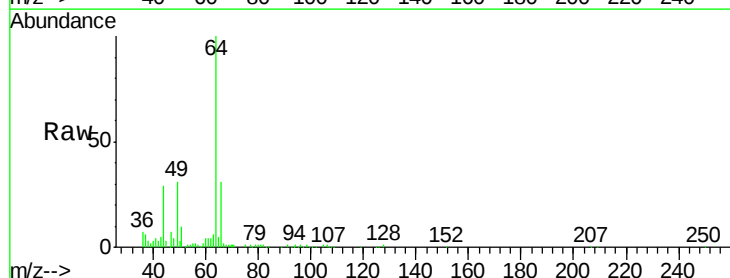
Acq: 23 Aug 2019 14:15

Tgt Ion: 64 Resp: 82723

Ion Ratio Lower Upper

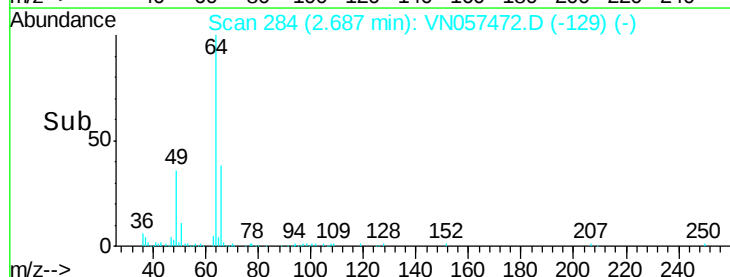
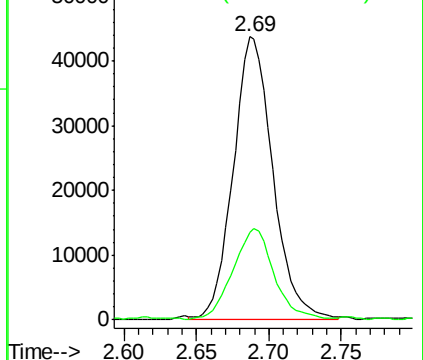
64 100

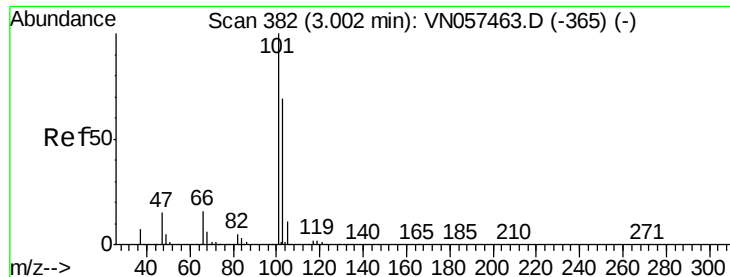
66 31.0 26.3 39.5



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

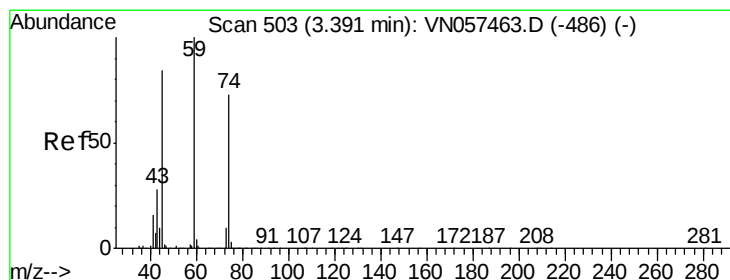
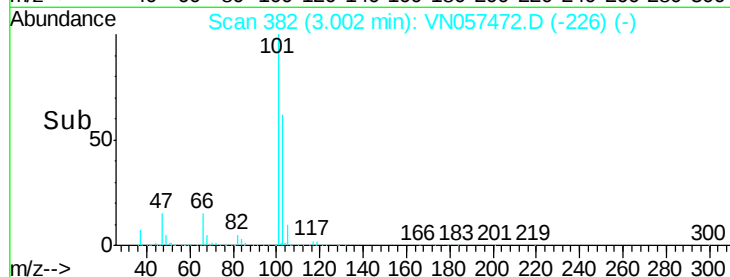
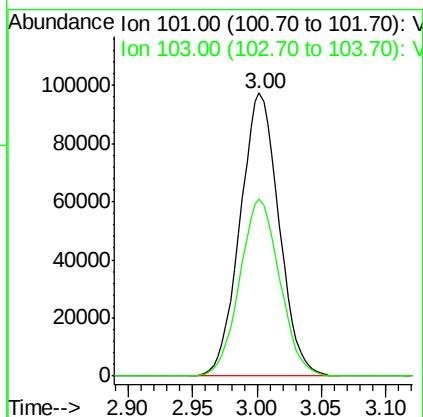
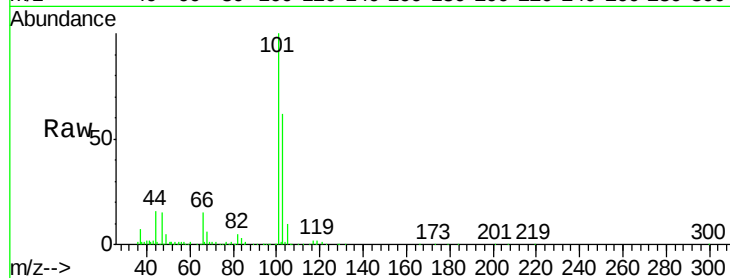
Trichlorofluoromethane
 Concen: 19.075 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN057472.D
 Acq: 23 Aug 2019 14:15

Instrument :
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 ClientSampleId :
 VN0823WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.4	55.0	82.4

Manual Integrations
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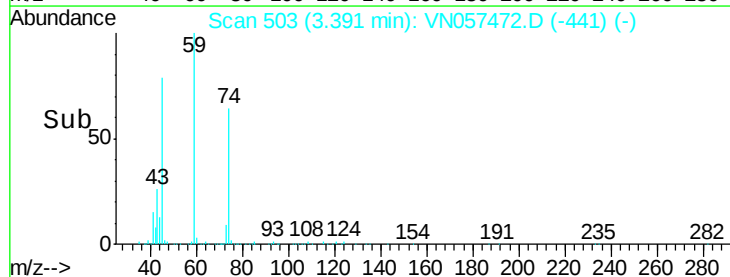
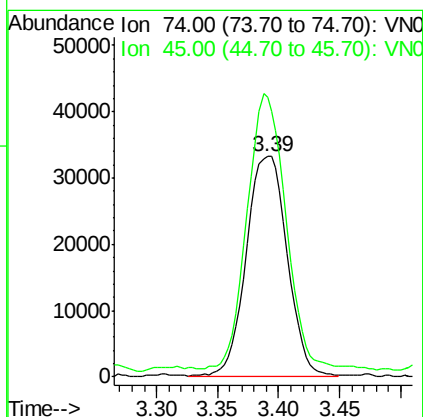
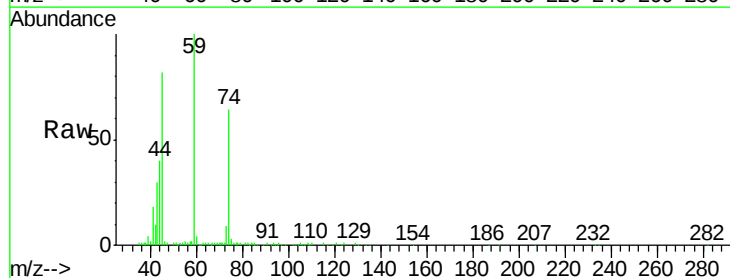
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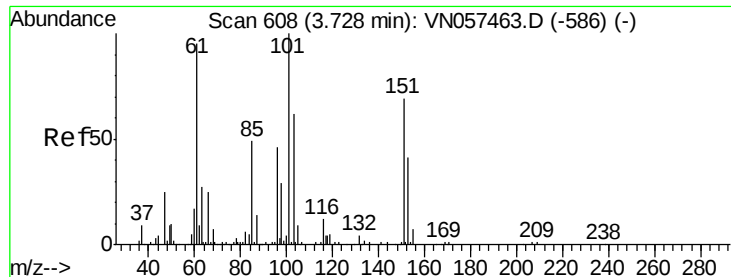


#8

Diethyl Ether
 Concen: 18.669 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN057472.D
 Acq: 23 Aug 2019 14:15

Tgt Ion	Ratio	Lower	Upper
74	100		
45	117.8	23.2	209.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.875 ug/l

RT: 3.73 min Scan# 607

Delta R.T. -0.00 min

Lab File: VN057472.D

Acq: 23 Aug 2019 14:15

Instrument :

MSVOA_N

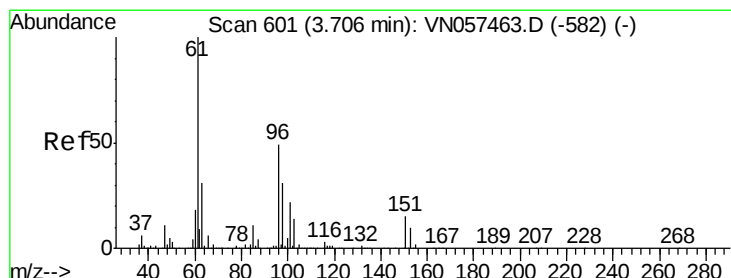
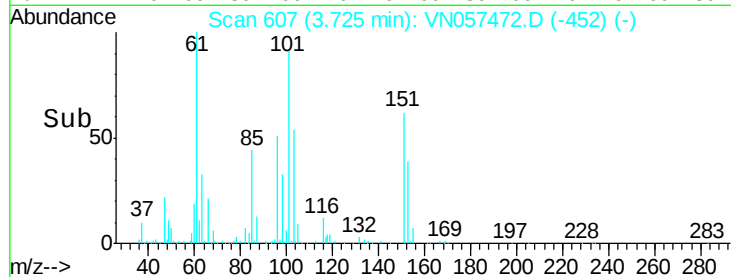
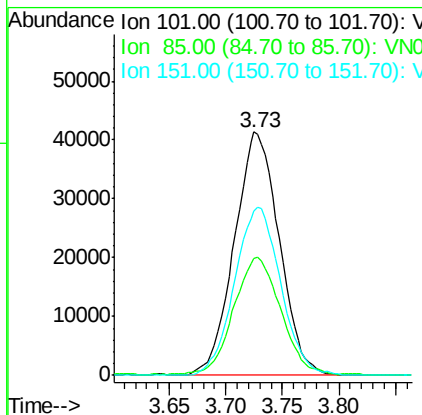
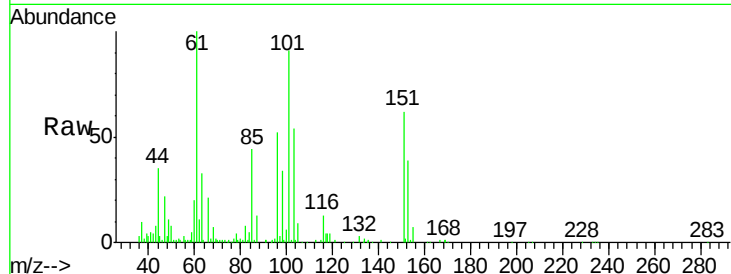
ClientSampleId :

VN0823WBSD01

Tot Ion:	101	Resp:	114173
Ion Ratio	Lower	Upper	
101	100		
85	51.0	0.0	101.6
151	70.7	0.0	139.4

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#10

1,1-Dichloroethene

Concen: 18.863 ug/l

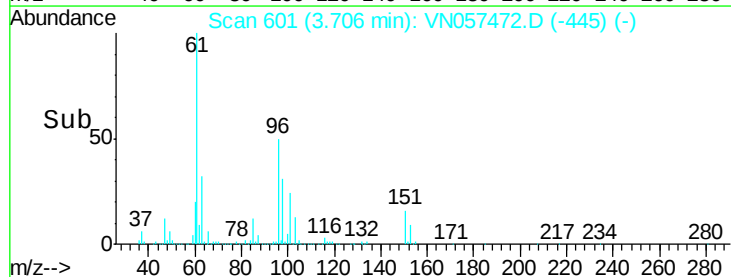
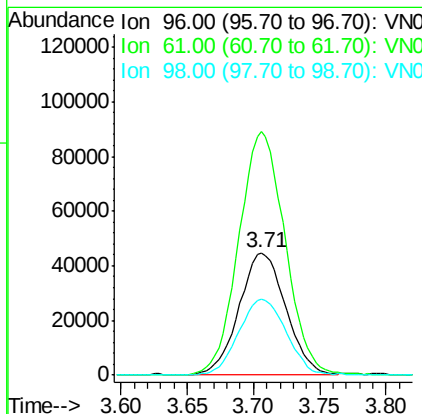
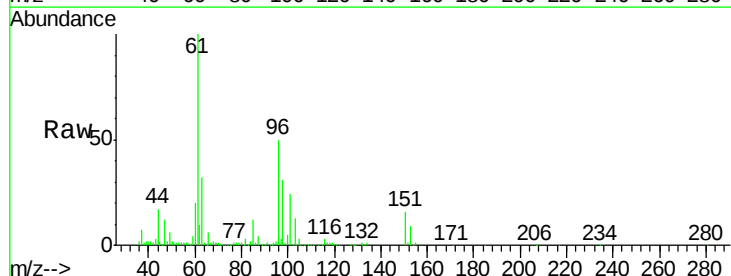
RT: 3.71 min Scan# 601

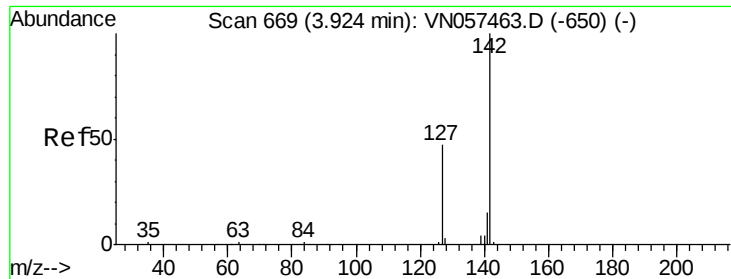
Delta R.T. 0.00 min

Lab File: VN057472.D

Acq: 23 Aug 2019 14:15

Tgt Ion:	96	Resp:	110153
Ion Ratio	Lower	Upper	
96	100		
61	200.1	162.6	244.0
98	62.5	51.1	76.7





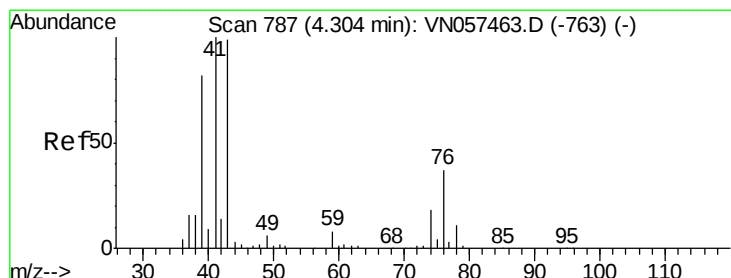
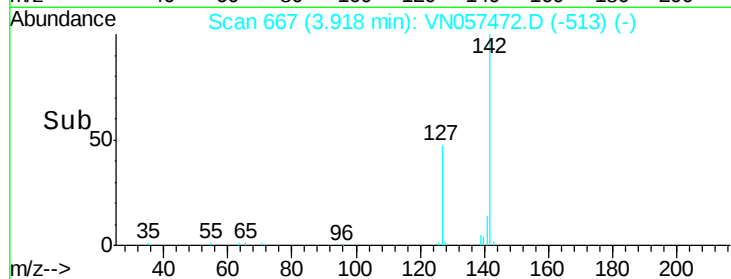
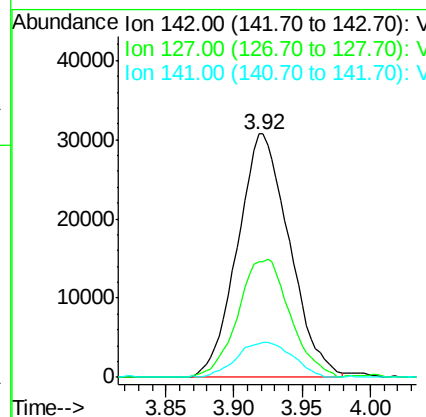
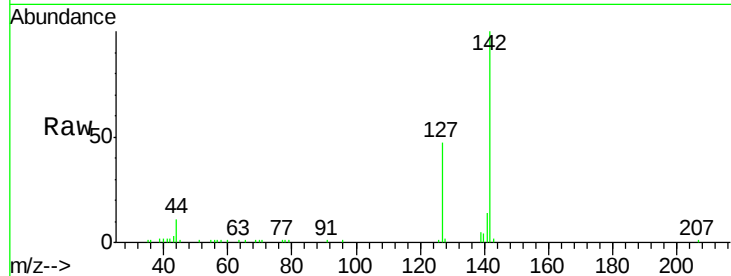
#11
Methyl Iodide
Concen: 15.448 ug/l
RT: 3.92 min Scan# 667
Delta R.T. -0.01 min
Lab File: VN057472.D
Acq: 23 Aug 2019 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0823WBSD01

Tot Ion	Ratio	Lower	Upper
142	100		
127	50.1	24.0	72.0
141	13.5	7.0	21.1

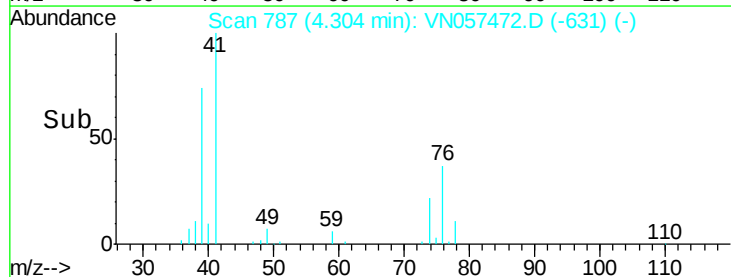
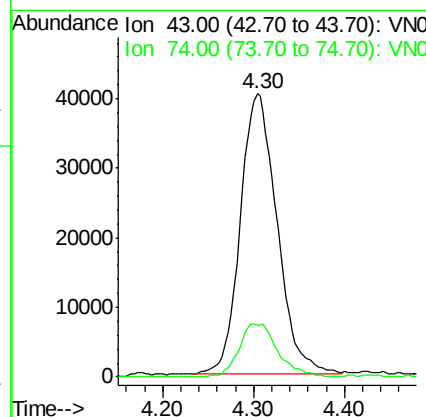
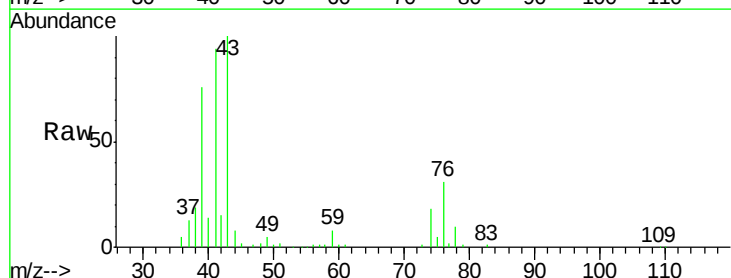
Manual Integrations
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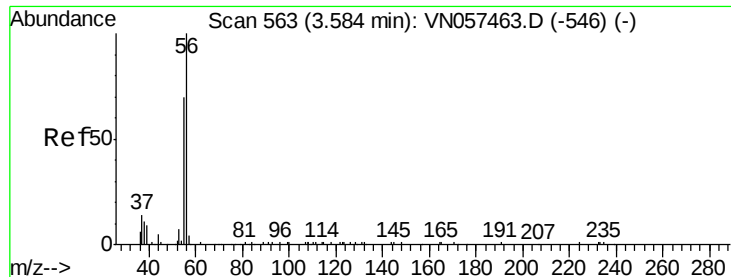
MMDadoda
8/26/2019 1:12:24 PM



#12
Methyl Acetate
Concen: 19.160 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN057472.D
Acq: 23 Aug 2019 14:15

Tgt Ion	Ratio	Lower	Upper
43	100		
74	18.3	14.6	22.0





#13

Acrolein

Concen: 93.779 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN057472.D

Acq: 23 Aug 2019 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN0823WBSD01

Tot Ion: 56 Resp: 70161

Ion Ratio Lower Upper

56 100

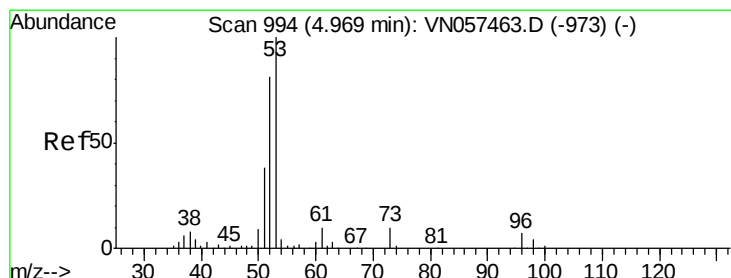
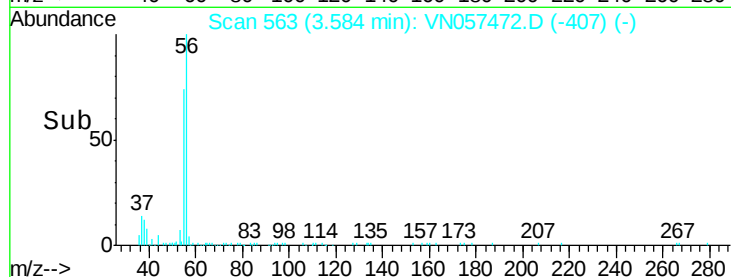
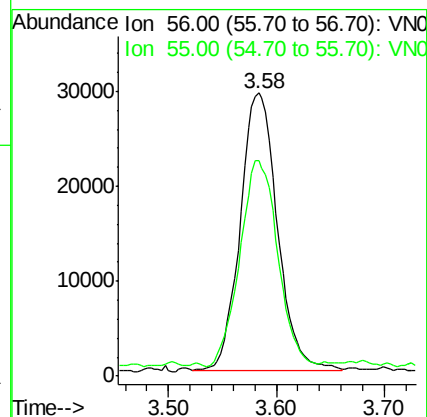
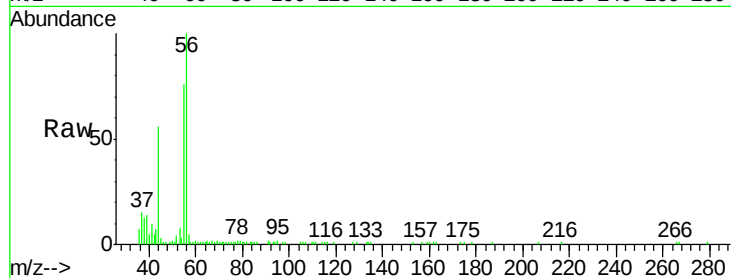
55 75.4 56.7 85.1

Manual Integrations

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#14

Acrylonitrile

Concen: 94.015 ug/l

RT: 4.97 min Scan# 993

Delta R.T. -0.00 min

Lab File: VN057472.D

Acq: 23 Aug 2019 14:15

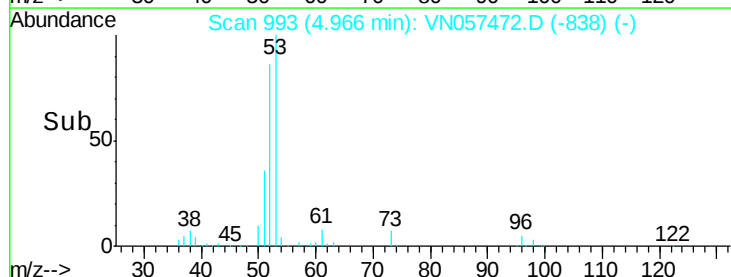
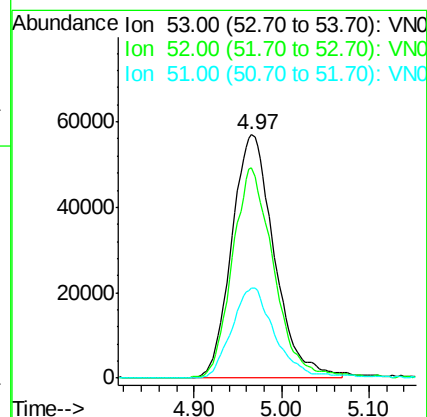
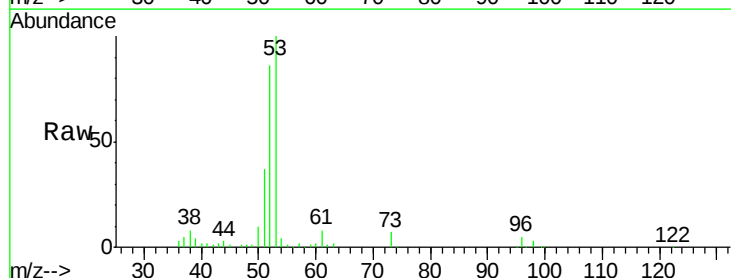
Tgt Ion: 53 Resp: 192135

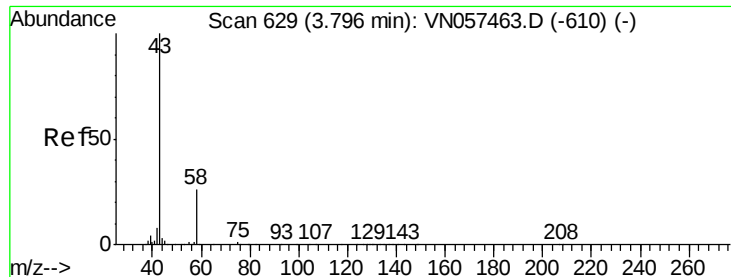
Ion Ratio Lower Upper

53 100

52 81.4 41.3 123.9

51 36.2 18.3 54.9





#15

Acetone

Concen: 76.735 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN057472.D

Acq: 23 Aug 2019 14:15

Tot Ion: 58 Resp: 73361

Ion Ratio Lower Upper

58 100

43 395.8 304.4 456.6

Instrument :

MSVOA_N

ClientSampleId :

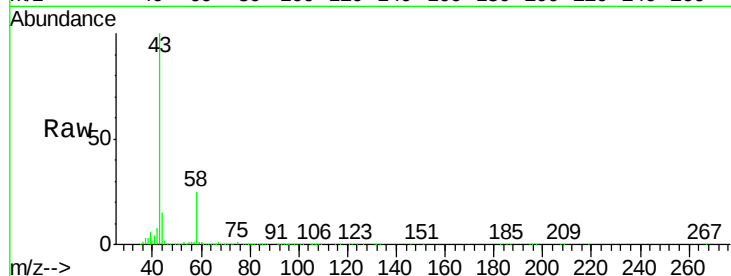
VN0823WBSD01

Manual Integrations

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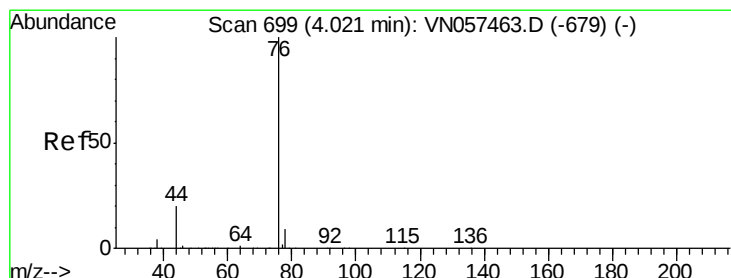
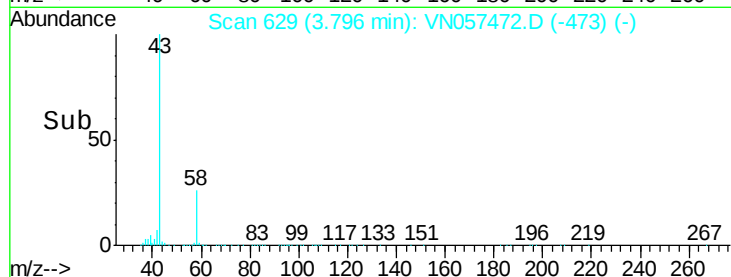
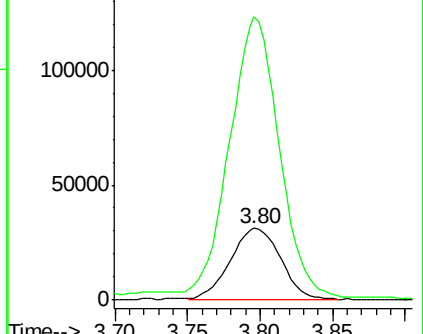
MMDadoda

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Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 18.417 ug/l

RT: 4.02 min Scan# 698

Delta R.T. -0.00 min

Lab File: VN057472.D

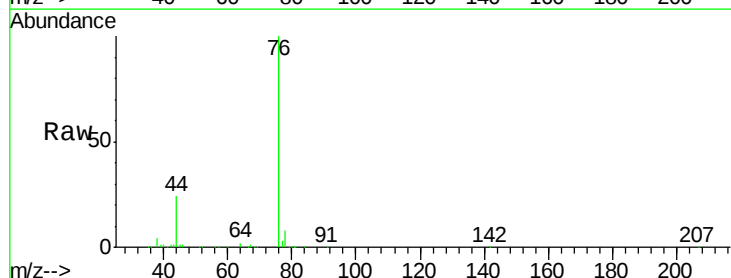
Acq: 23 Aug 2019 14:15

Tgt Ion: 76 Resp: 191567

Ion Ratio Lower Upper

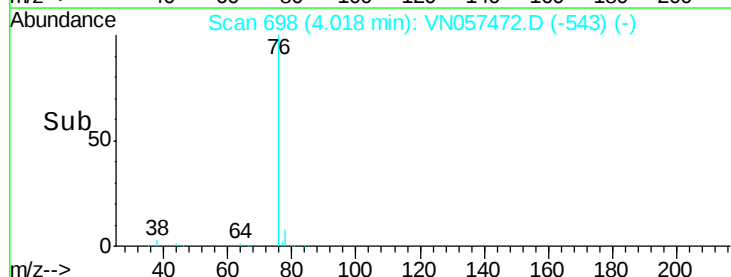
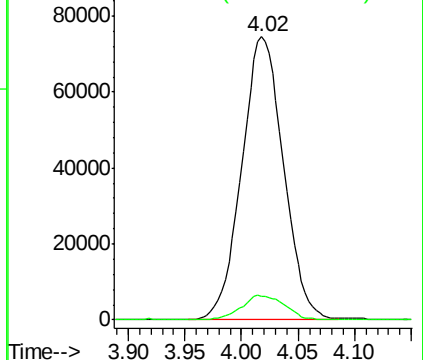
76 100

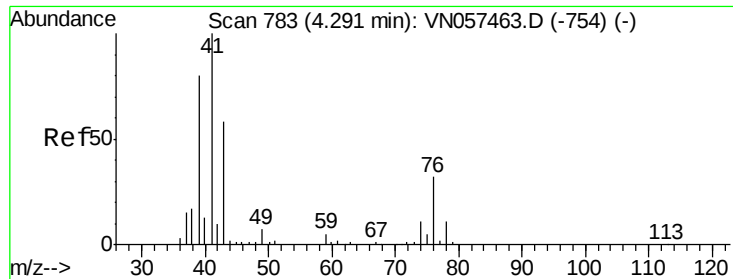
78 8.4 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





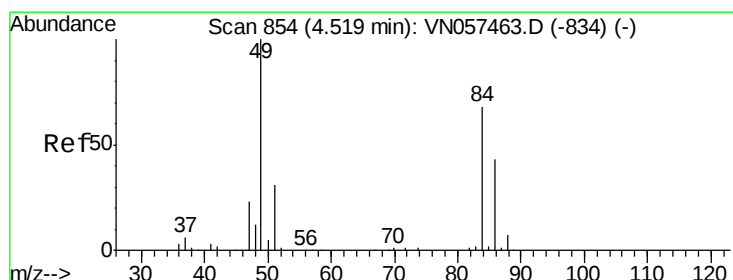
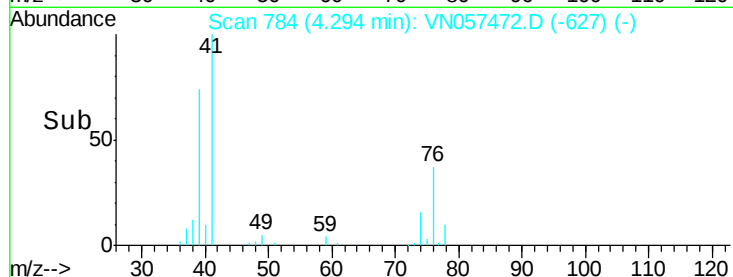
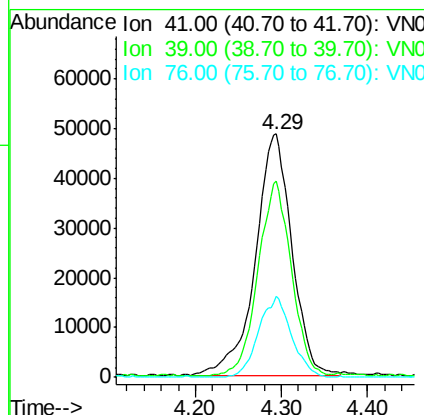
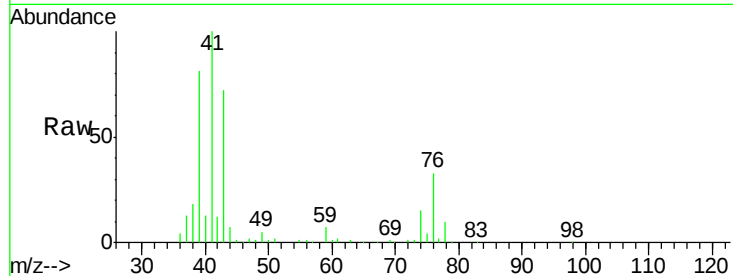
#17
Allvl chloride
Concen: 17.945 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.00 min
Lab File: VN057472.D
Acq: 23 Aug 2019 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0823WBSD01

Tot Ion:	41	Resp:	142961
Ion	Ratio	Lower	Upper
41	100		
39	80.9	40.1	120.2
76	33.0	16.2	48.6

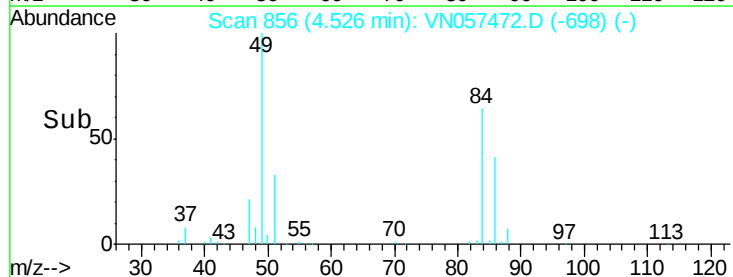
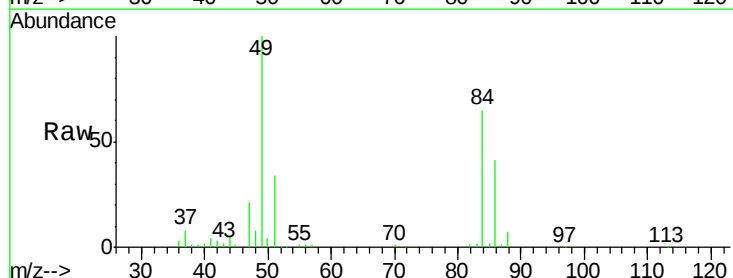
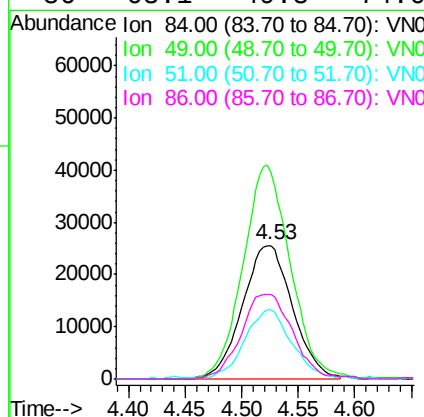
Manual Integrations
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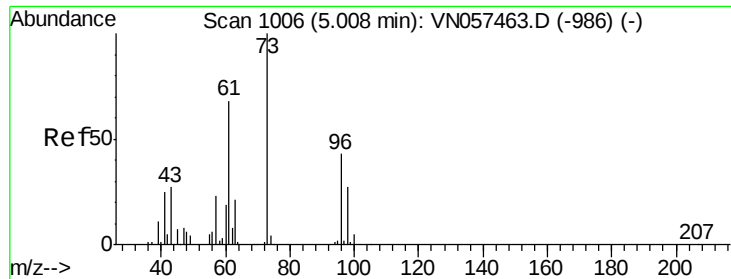
MMDadoda
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#18
Methylene Chloride
Concen: 18.365 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.01 min
Lab File: VN057472.D
Acq: 23 Aug 2019 14:15

Tgt Ion:	84	Resp:	78652
Ion	Ratio	Lower	Upper
84	100		
49	154.1	116.8	175.2
51	51.3	36.4	54.6
86	63.1	49.8	74.6





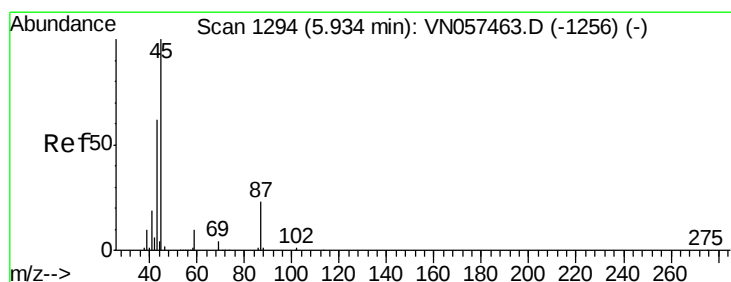
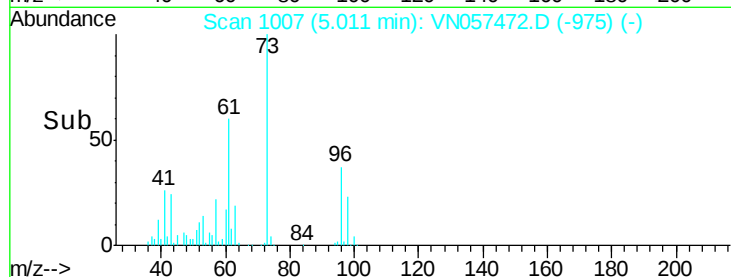
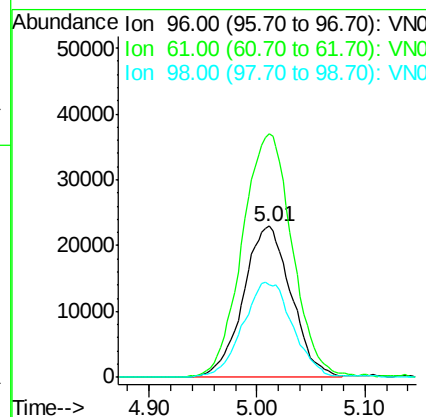
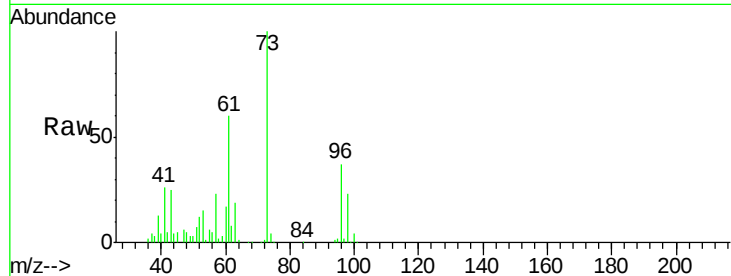
#19
trans-1,2-Dichloroethene
Concen: 17.590 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VN057472.D
Acq: 23 Aug 2019 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0823WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	160.6	127.6	191.4
98	61.8	51.5	77.3

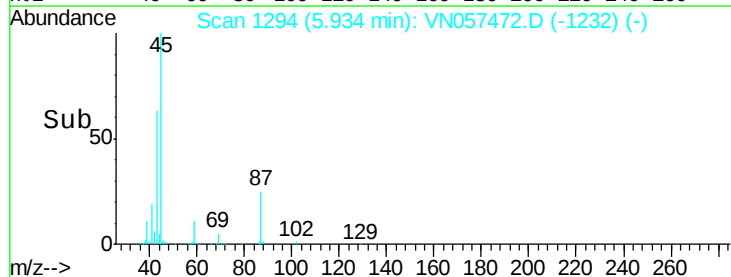
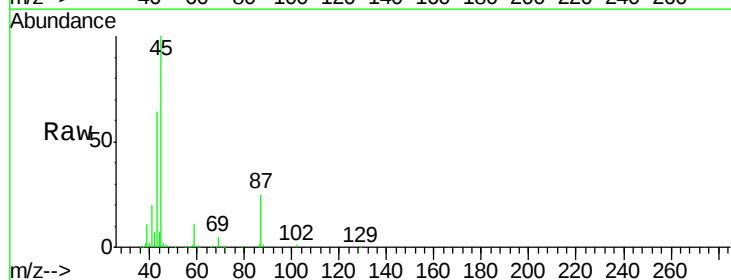
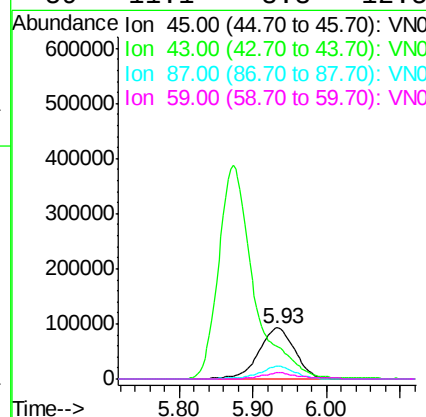
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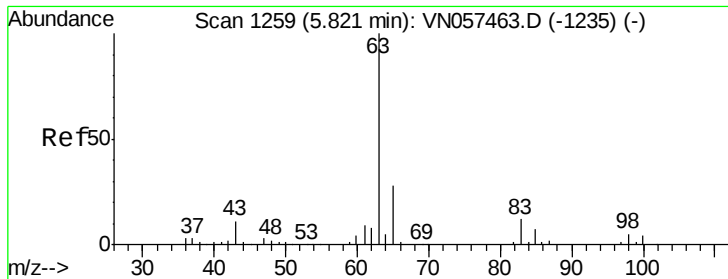
MMDadoda
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#20
Diisopropyl ether
Concen: 18.495 ug/l
RT: 5.93 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VN057472.D
Acq: 23 Aug 2019 14:15

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.5	49.9	74.9
87	24.8	19.1	28.7
59	11.1	8.3	12.5





#21

1,1-Dichloroethane

Concen: 18.587 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VN057472.D

Acq: 23 Aug 2019 14:15

Instrument :

MSVOA_N

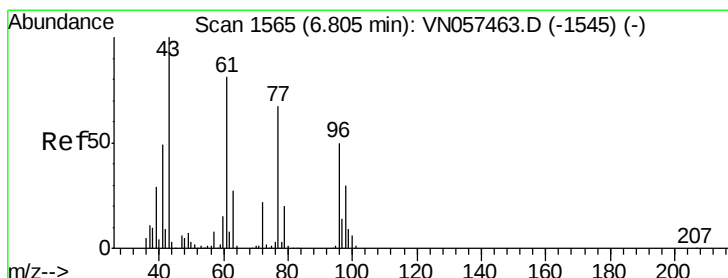
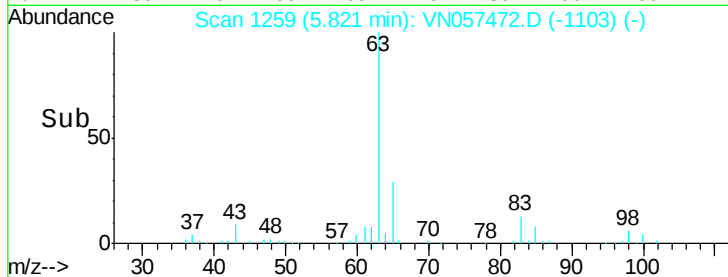
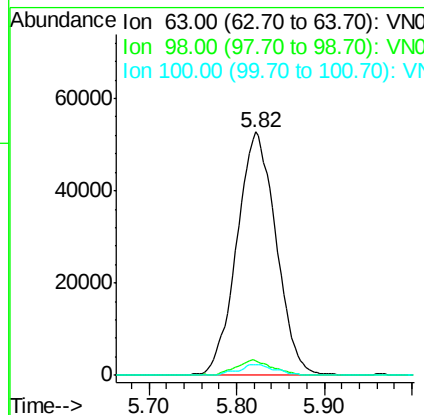
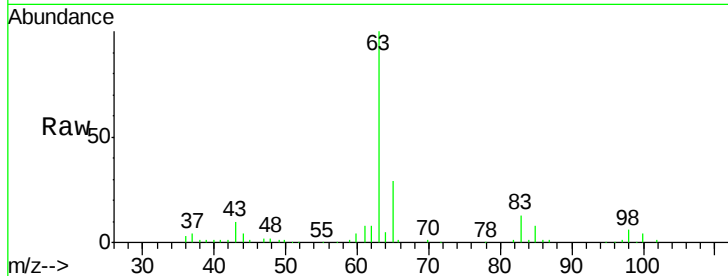
ClientSampleId :

VN0823WBSD01

Tot Ion:	63	Resp:	164273
Ion Ratio	Lower	Upper	
63	100		
98	5.9	2.4	7.1
100	4.2	2.1	6.3

Manual Integrations
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#22

cis-1,2-Dichloroethene

Concen: 17.809 ug/l

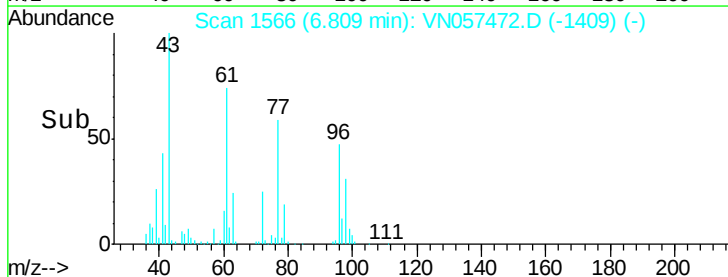
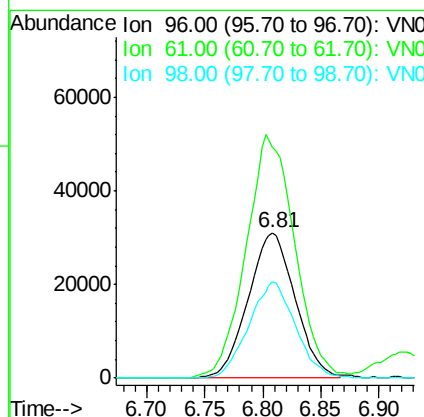
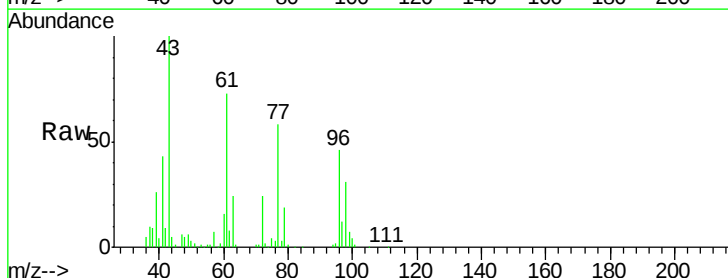
RT: 6.81 min Scan# 1566

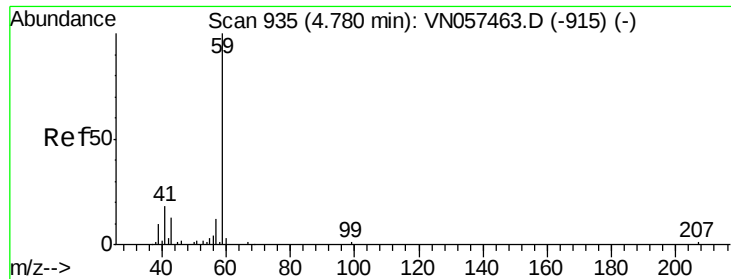
Delta R.T. 0.00 min

Lab File: VN057472.D

Acq: 23 Aug 2019 14:15

Tgt Ion:	96	Resp:	87356
Ion Ratio	Lower	Upper	
96	100		
61	173.4	134.4	201.6
98	65.8	51.4	77.0





#23

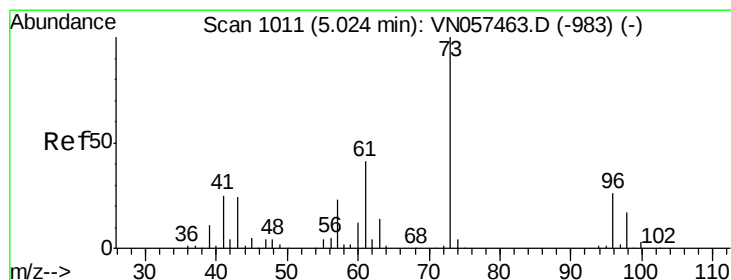
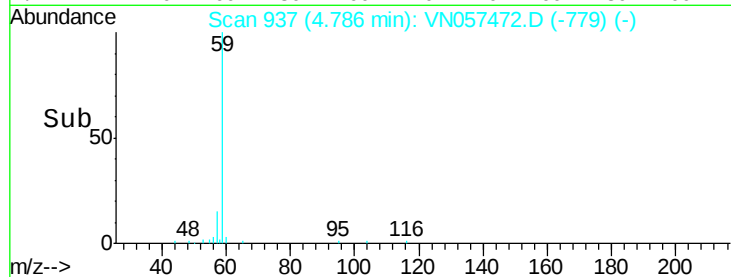
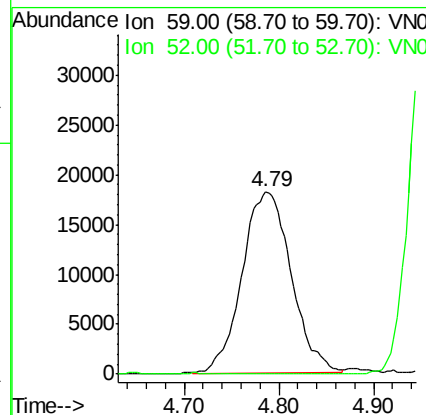
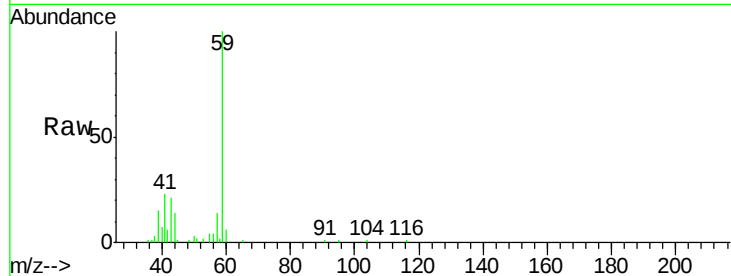
tert-Butyl Alcohol
 Concen: 88.306 ug/l
 RT: 4.79 min Scan# 937
 Delta R.T. 0.01 min
 Lab File: VN057472.D
 Acq: 23 Aug 2019 14:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0823WBSD01

Tot Ion: 59 Resp: 65555
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.1 0.1#

Manual Integrations
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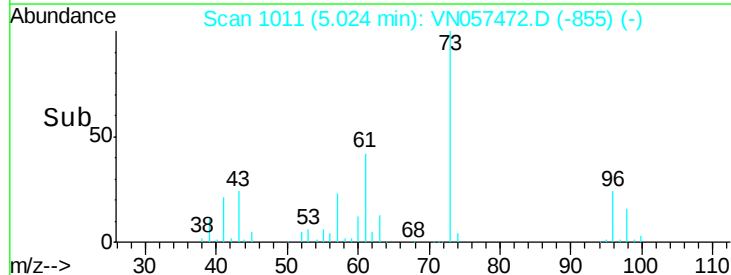
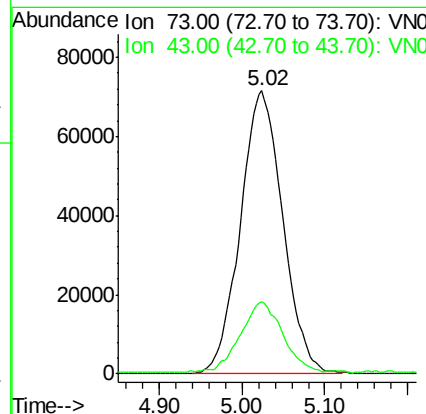
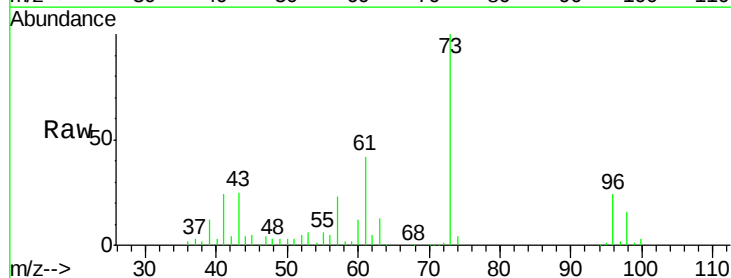
MMDadoda
 8/26/2019 1:12:24 PM

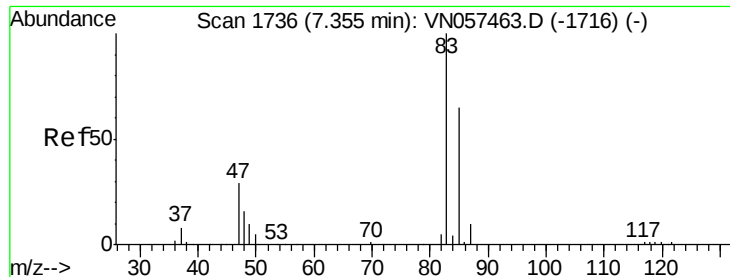


#24

Methyl tert-Butyl Ether
 Concen: 18.873 ug/l
 RT: 5.02 min Scan# 1011
 Delta R.T. 0.00 min
 Lab File: VN057472.D
 Acq: 23 Aug 2019 14:15

Tgt Ion: 73 Resp: 254631
 Ion Ratio Lower Upper
 73 100
 43 24.4 20.1 30.1





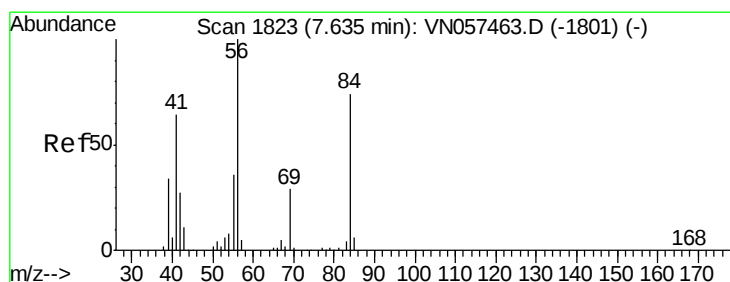
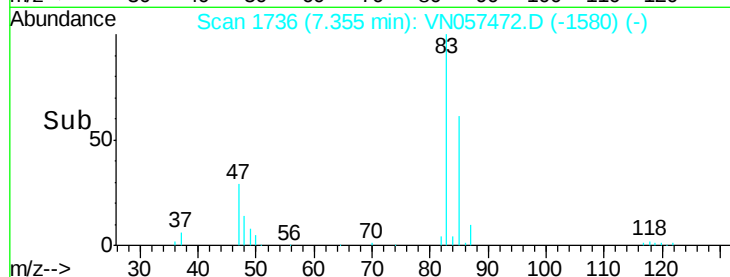
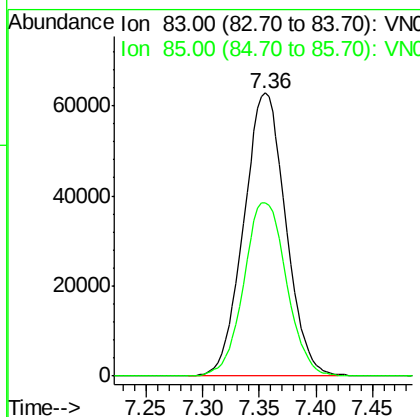
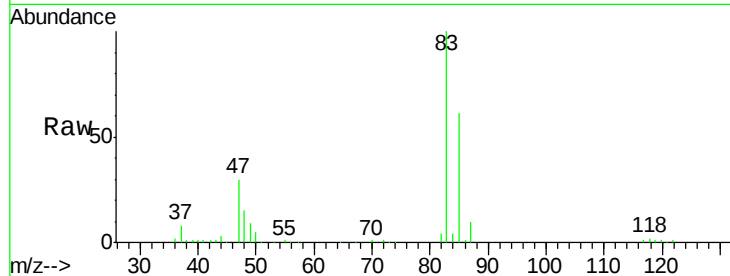
#25
Chloroform
Concen: 18.506 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN057472.D
Acq: 23 Aug 2019 14:15

Instrument :
MSVOA_N
ClientSampled :
VN0823WBSD01

Tot Ion	83	Resp	162383
Ion Ratio	100	Lower	Upper
85	61.4	52.0	78.0

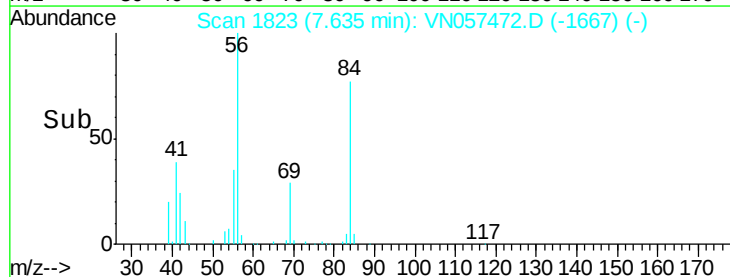
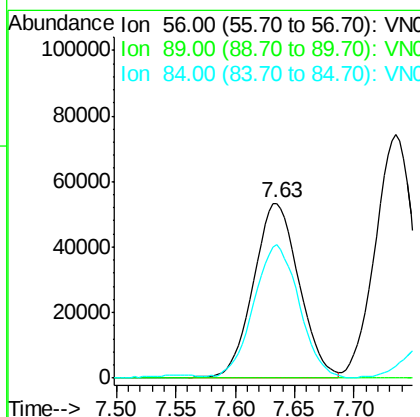
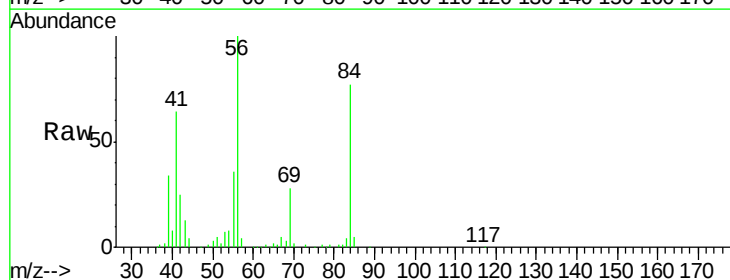
Manual Integrations
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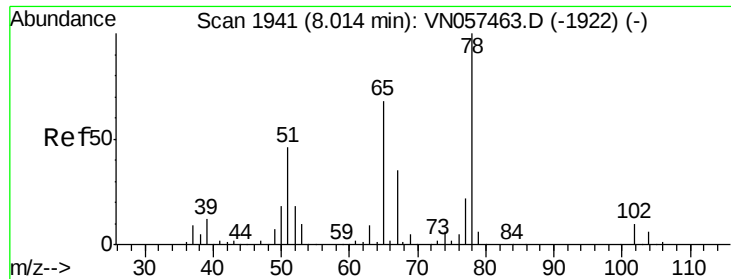
MMDadoda
8/26/2019 1:12:24 PM



#26
Cyclohexane
Concen: 17.871 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN057472.D
Acq: 23 Aug 2019 14:15

Tgt Ion	56	Resp	140644
Ion Ratio	100	Lower	Upper
89	0.1	0.0	0.0#
84	76.5	61.1	91.7





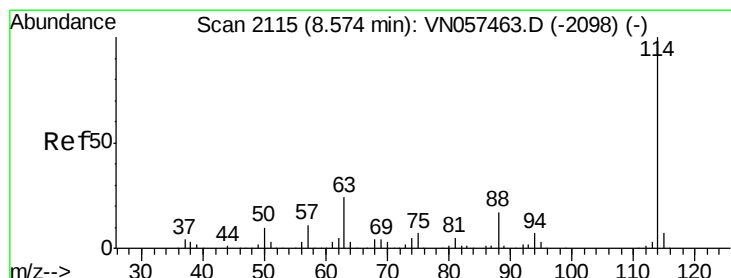
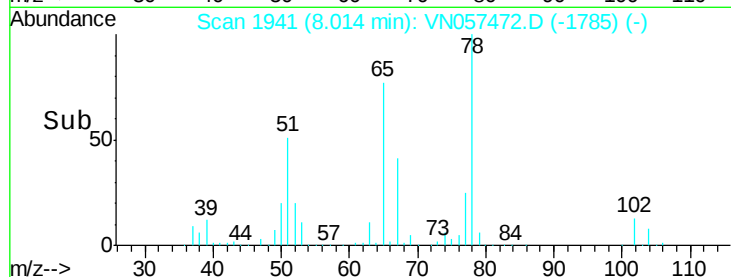
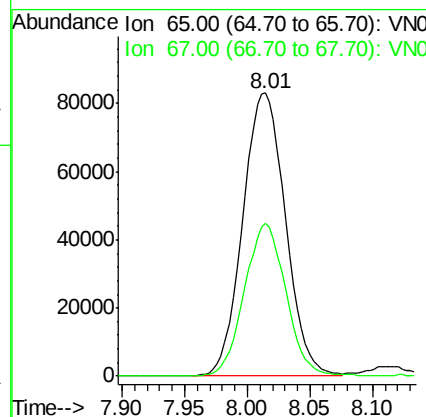
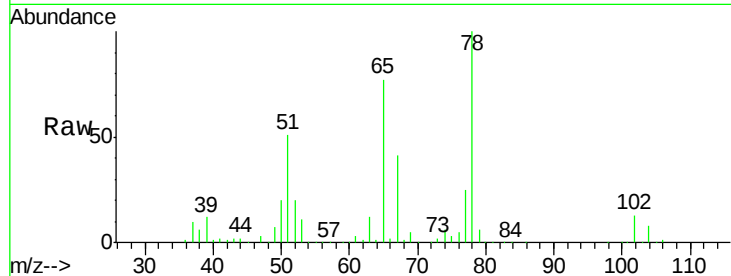
#27
 1,2-Dichloroethane-d4
 Concen: 30.208 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057472.D
 Acq: 23 Aug 2019 14:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0823WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	197026		
67	52.3	40.2	60.4	

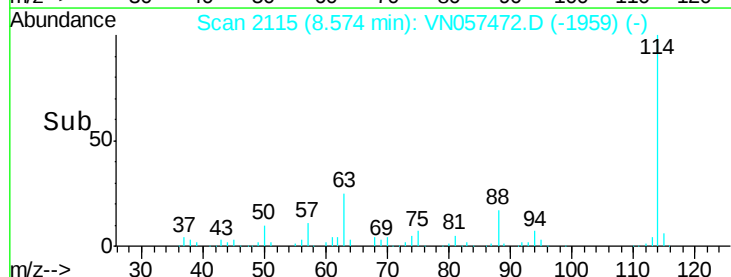
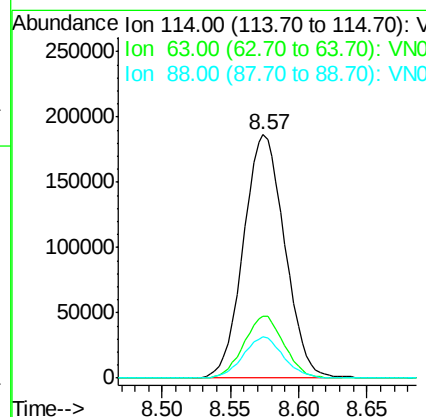
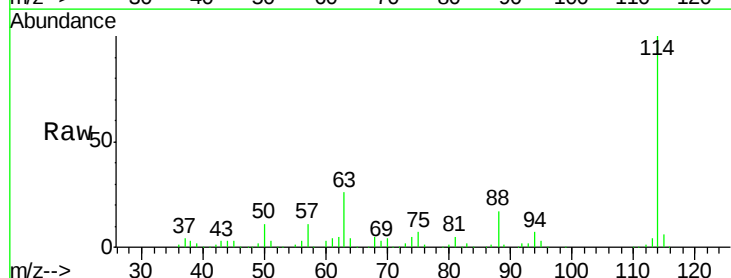
Manual Integrations
 APPROVED

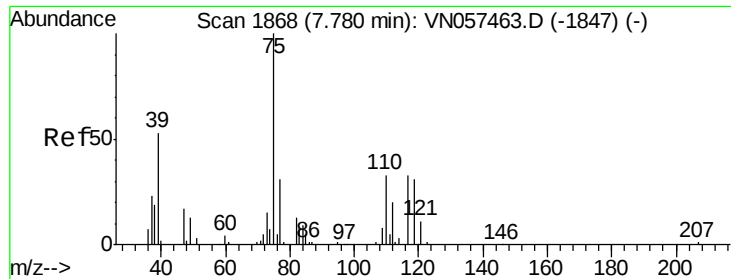
MMDadoda
 8/26/2019 1:12:24 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN057472.D
 Acq: 23 Aug 2019 14:15

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	391267		
63	25.0	19.6	29.4	
88	16.6	13.1	19.7	





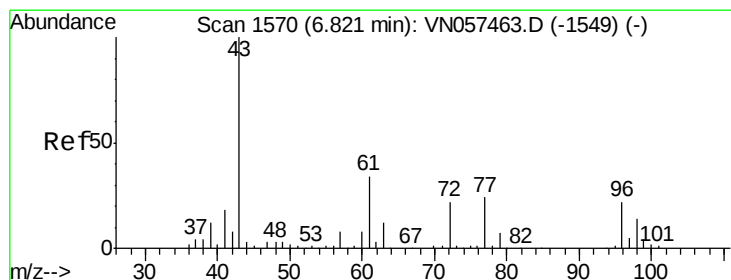
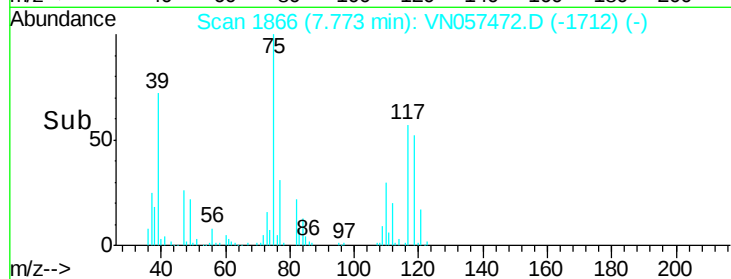
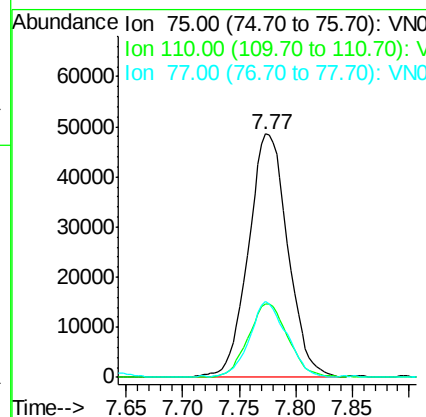
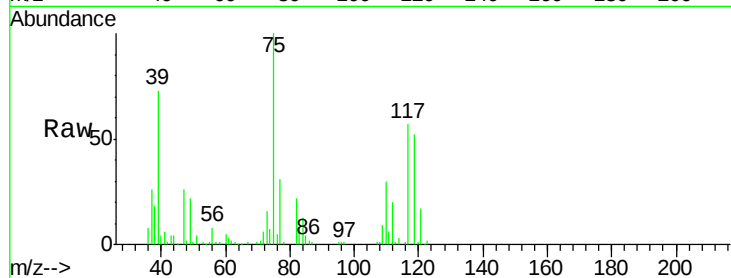
#29
 1,1-Dichloropropene
 Concen: 17.756 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. -0.01 min
 Lab File: VN057472.D
 Acq: 23 Aug 2019 14:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0823WBSD01

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	30.4	0.0	64.0
77	29.4	0.0	63.4

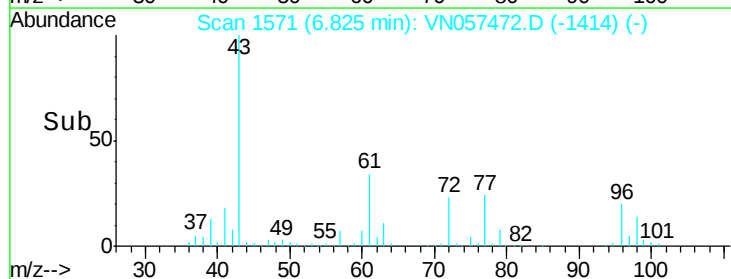
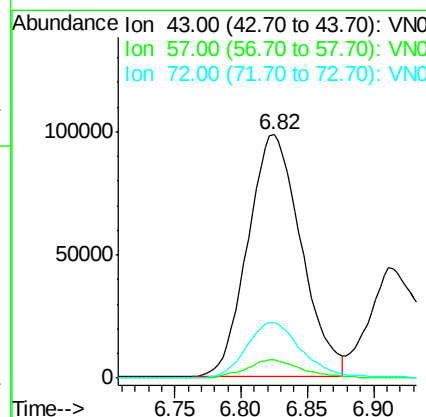
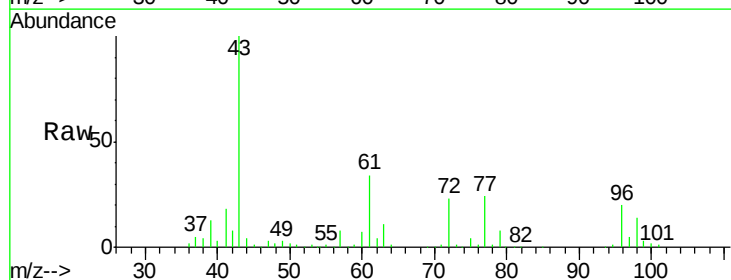
Manual Integrations
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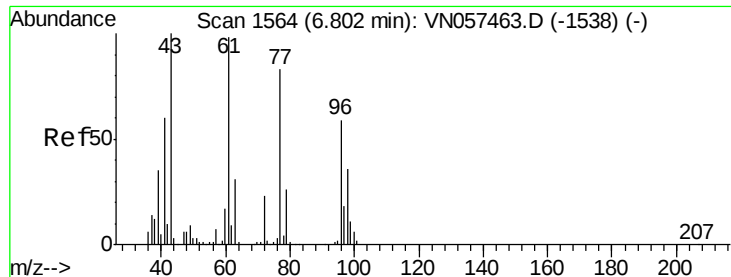
MMDadoda
 8/26/2019 1:12:24 PM



#30
 2-Butanone
 Concen: 85.991 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VN057472.D
 Acq: 23 Aug 2019 14:15

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.0	5.7	8.5
72	23.7	18.2	27.2





#31

2,2-Dichloropropane

Concen: 17.666 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN057472.D

Acq: 23 Aug 2019 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN0823WBSD01

Tot Ion: 77 Resp: 134218

Ion Ratio Lower Upper

77 100

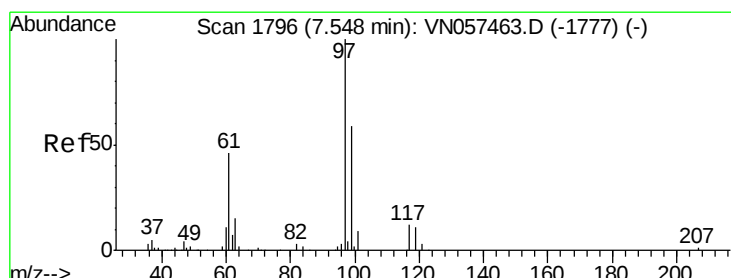
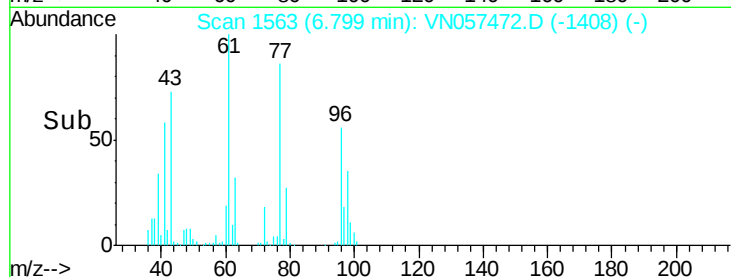
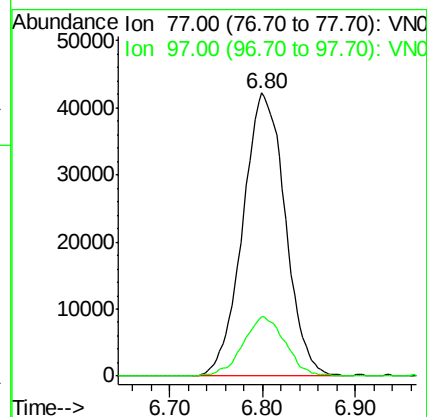
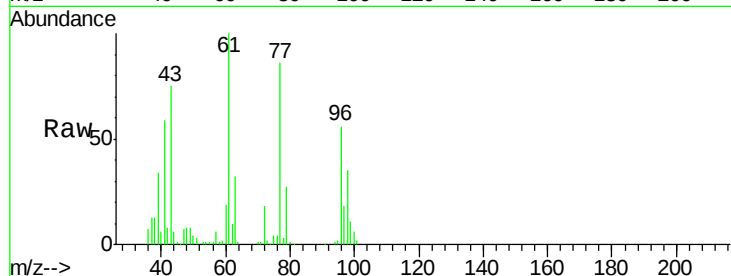
97 20.2 17.0 25.4

Manual Integrations

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8/26/2019 1:12:24 PM



#32

1,1,1-Trichloroethane

Concen: 18.012 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. 0.01 min

Lab File: VN057472.D

Acq: 23 Aug 2019 14:15

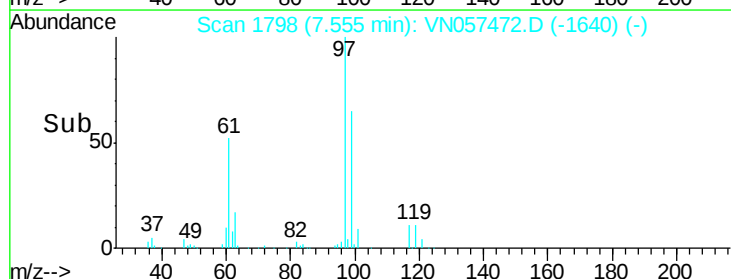
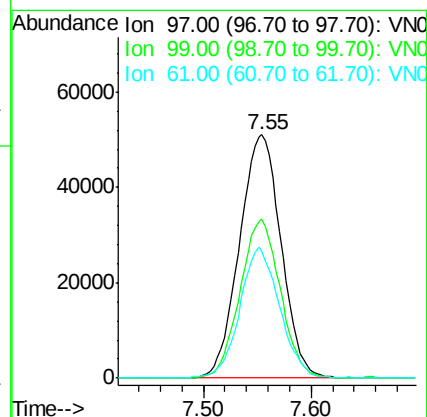
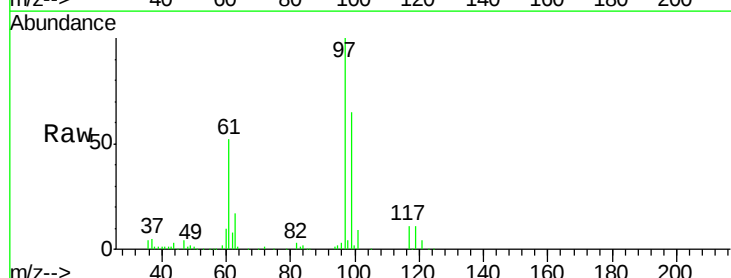
Tgt Ion: 97 Resp: 136922

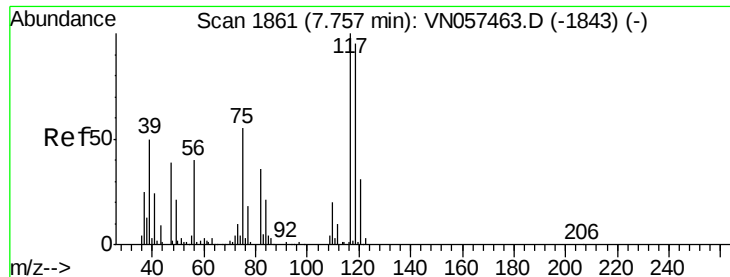
Ion Ratio Lower Upper

97 100

99 63.1 49.6 74.4

61 51.4 40.9 61.3





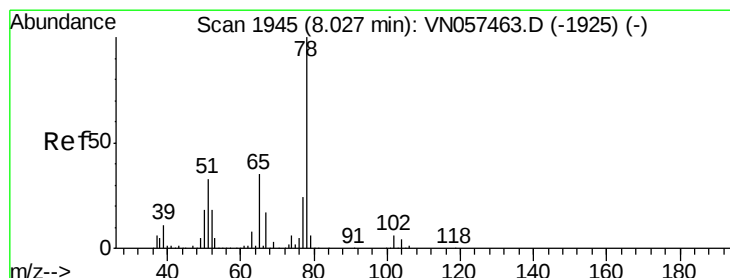
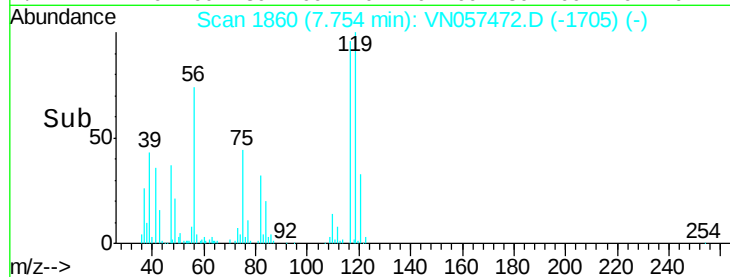
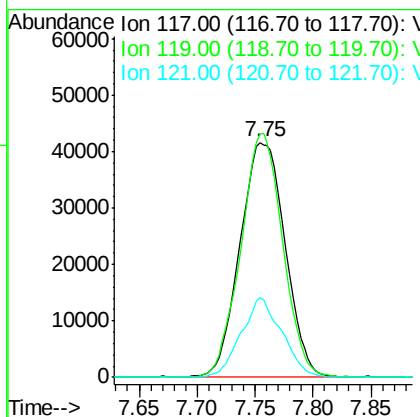
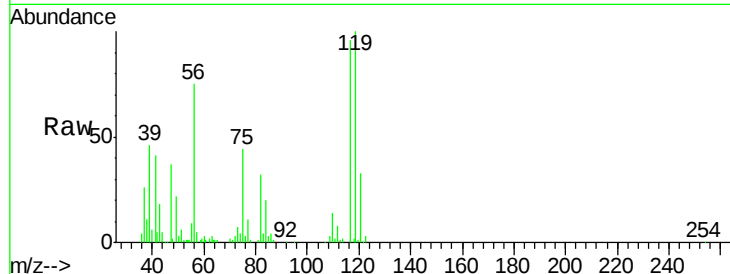
#33
Carbon Tetrachloride
Concen: 17.815 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN057472.D
Acq: 23 Aug 2019 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0823WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
117	100		112453		
119	103.7	76.8	115.2		
121	34.6	24.8	37.2		

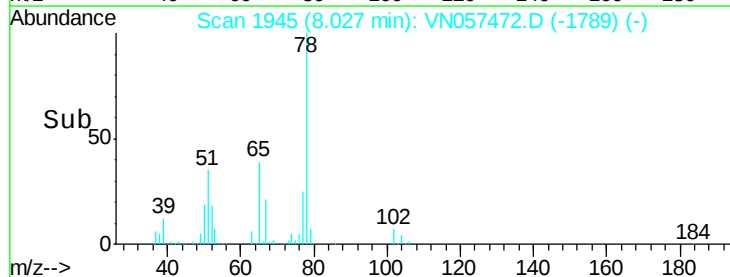
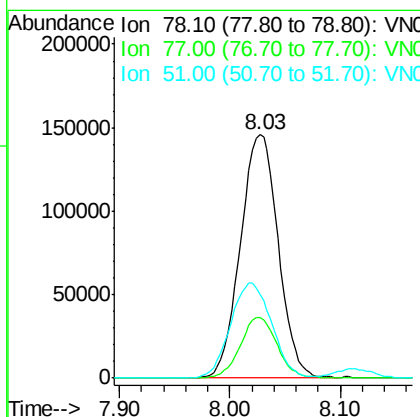
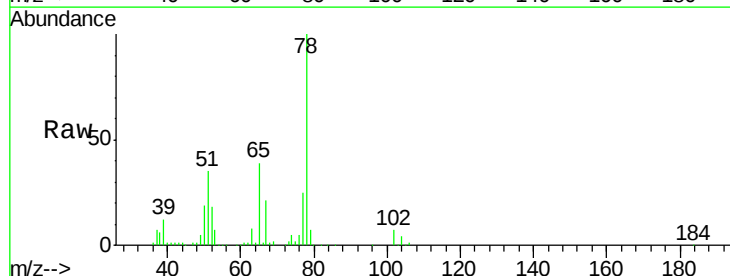
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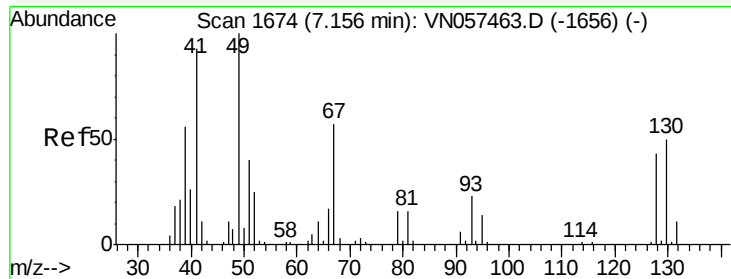
MMDadoda
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#34
Benzene
Concen: 17.758 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN057472.D
Acq: 23 Aug 2019 14:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
78	100		347249		
77	24.7	19.5	29.3		
51	34.4	26.0	39.0		





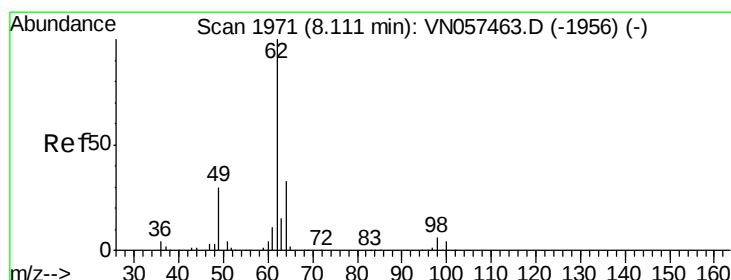
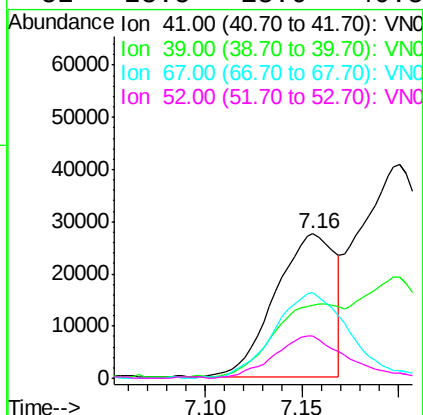
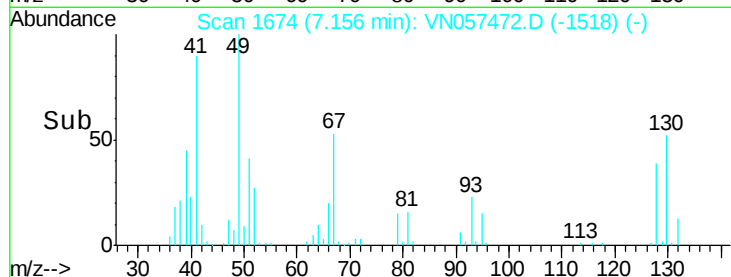
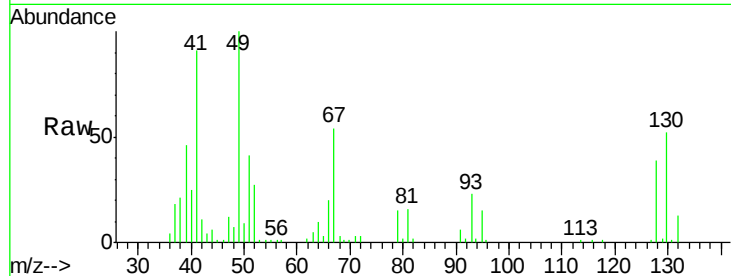
#35
Methacrylonitrile
Concen: 18.260 ug/l
RT: 7.16 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN057472.D
Acq: 23 Aug 2019 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0823WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	49.6	30.5	91.5		
67	59.8	30.9	92.5		
52	28.5	13.6	40.8		

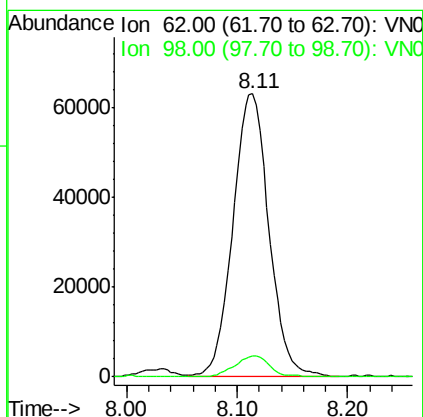
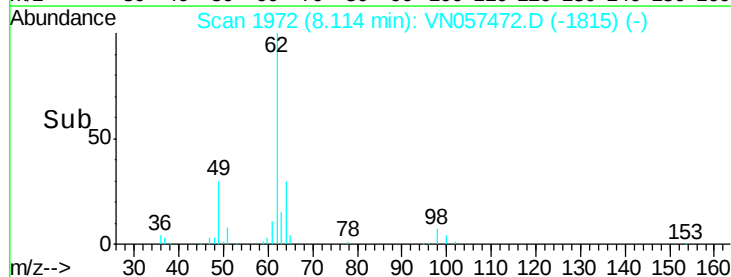
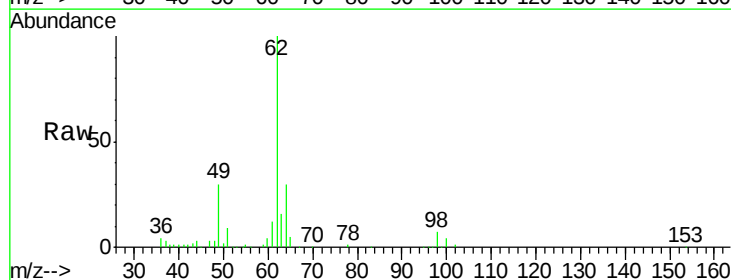
Manual Integrations
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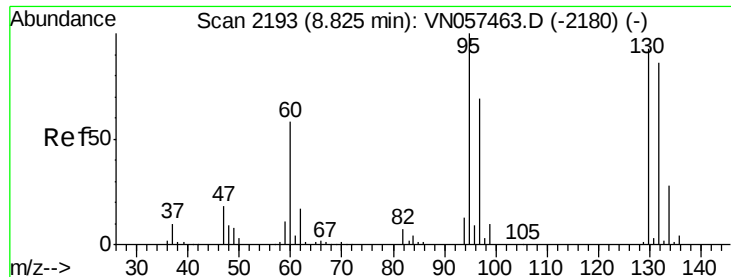
MMDadoda
8/26/2019 1:12:24 PM



#36
1,2-Dichloroethane
Concen: 18.660 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VN057472.D
Acq: 23 Aug 2019 14:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	7.1	2.8	4.2#		





#37

Trichloroethene

Concen: 17.604 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VN057472.D

Acq: 23 Aug 2019 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN0823WBSD01

Tot Ion:130 Resp: 78538

Ion Ratio Lower Upper

130 100

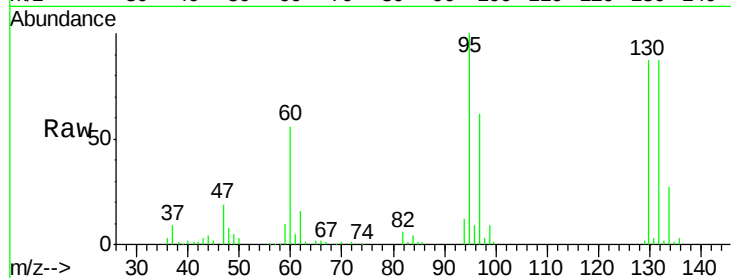
95 114.4 86.4 129.6

Manual Integrations

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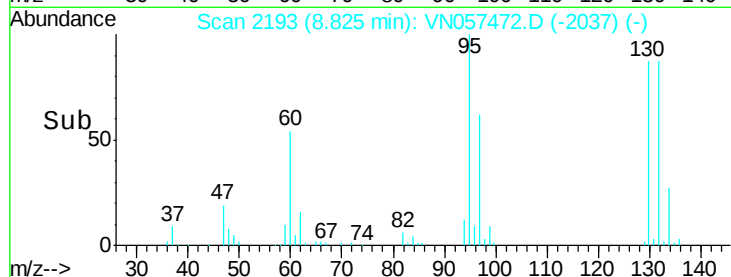


Abundance Ion 129.90 (129.60 to 130.60): VN0

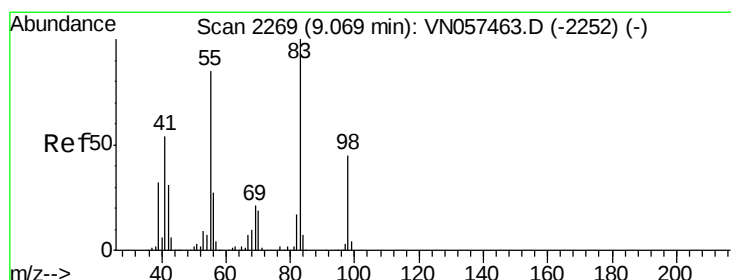
Ion 94.90 (94.60 to 95.60): VN0

8.82

Time-->



Time-->



#38

Methylcyclohexane

Concen: 17.473 ug/l

RT: 9.07 min Scan# 2269

Delta R.T. 0.00 min

Lab File: VN057472.D

Acq: 23 Aug 2019 14:15

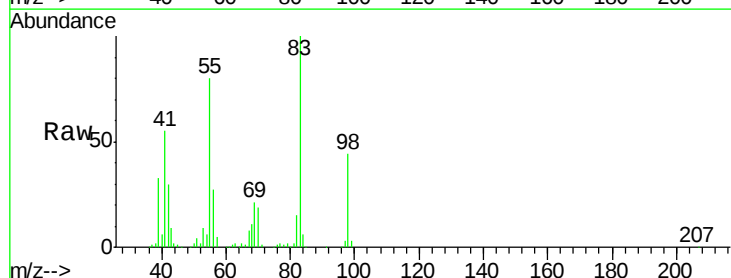
Tgt Ion: 83 Resp: 130417

Ion Ratio Lower Upper

83 100

55 84.8 43.3 129.8

98 43.6 22.8 68.4



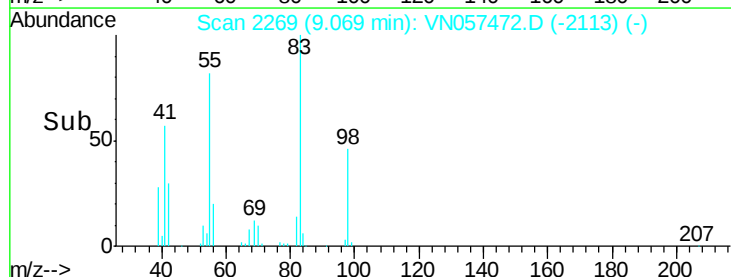
Abundance Ion 83.00 (82.70 to 83.70): VN0

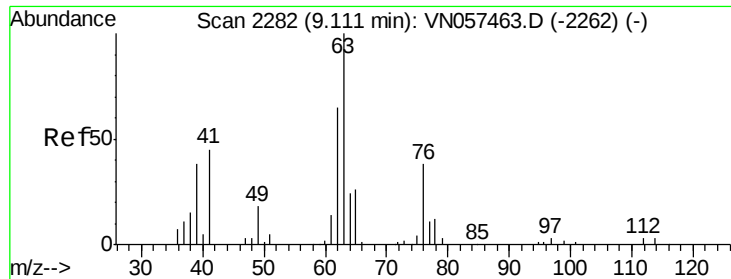
Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

9.07

Time-->





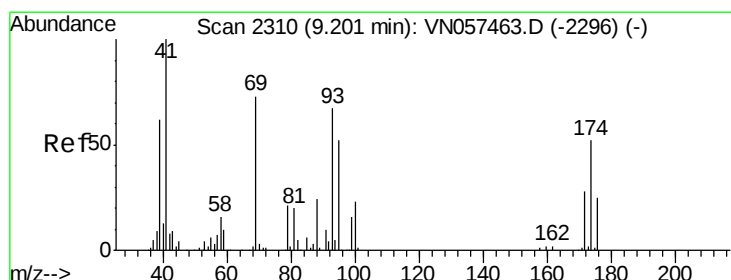
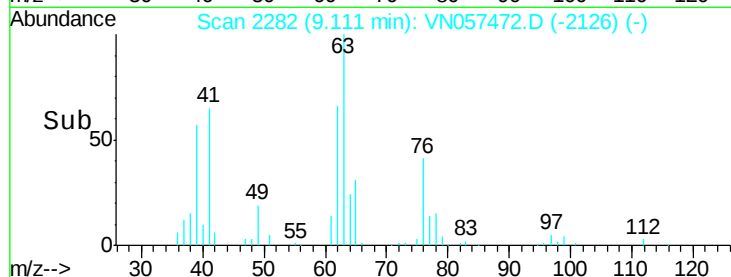
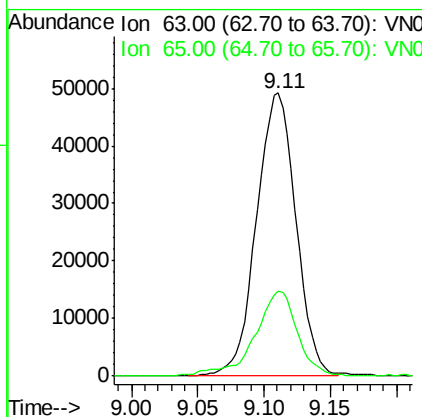
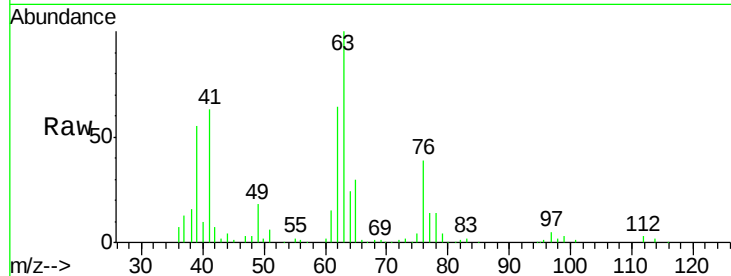
#39
 1,2-Dichloropropane
 Concen: 18.424 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057472.D
 Acq: 23 Aug 2019 14:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0823WBSD01

Tot Ion: 63 Resp: 102440
 Ion Ratio Lower Upper
 63 100
 65 29.2 21.6 32.4

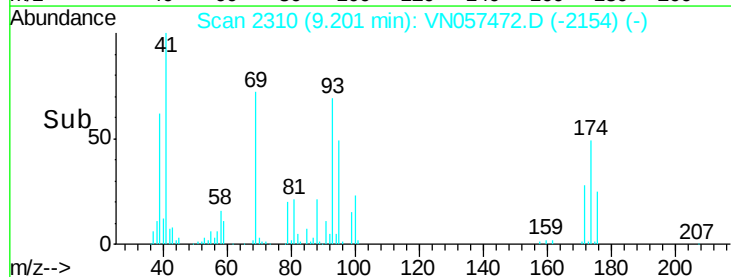
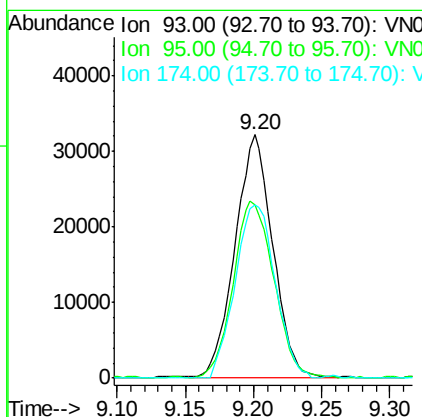
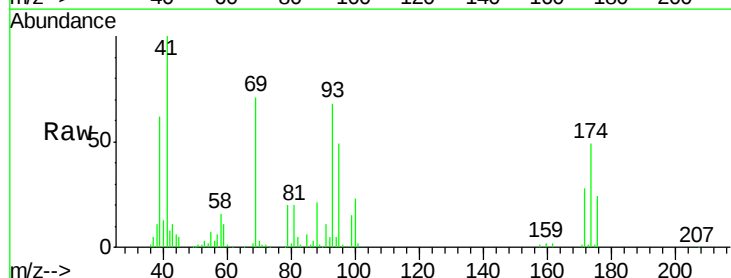
Manual Integrations
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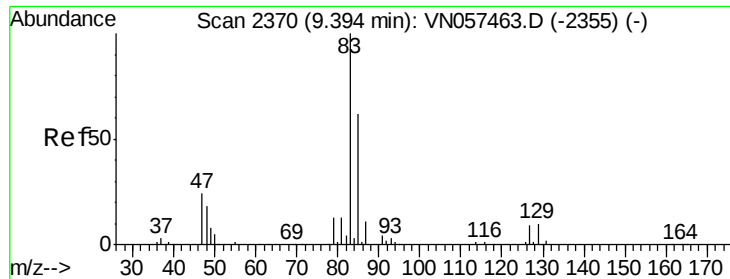
MMDadoda
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#40
 Dibromomethane
 Concen: 18.291 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057472.D
 Acq: 23 Aug 2019 14:15

Tgt Ion: 93 Resp: 62153
 Ion Ratio Lower Upper
 93 100
 95 78.1 0.0 160.8
 174 75.3 0.0 157.2





#41

Bromodichloromethane

Concen: 17.436 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN057472.D

Acq: 23 Aug 2019 14:15

Instrument :

MSVOA_N

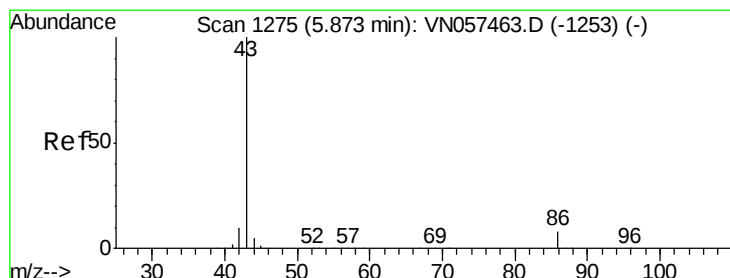
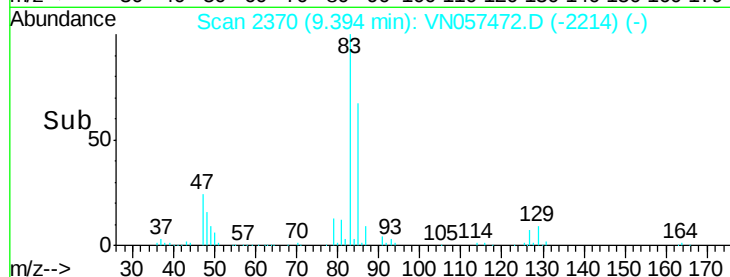
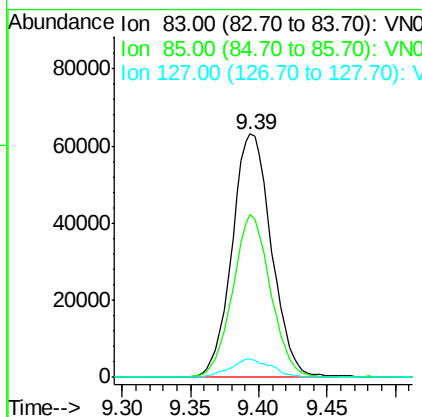
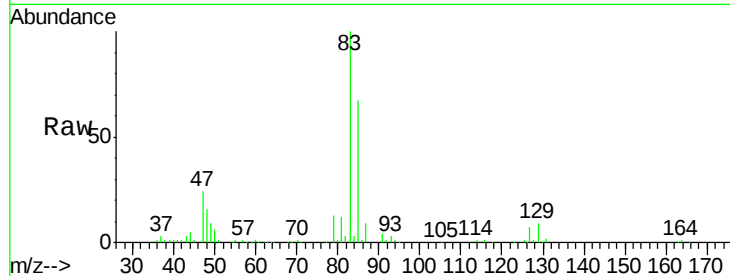
ClientSampleId :

VN0823WBSD01

Tot Ion	83	Resp	125662
Ion	Ratio	Lower	Upper
83	100		
85	66.7	49.8	74.8
127	7.4	7.6	11.4#

Manual Integrations
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8/26/2019 1:12:24 PM



#42

Vinyl Acetate

Concen: 89.160 ug/l

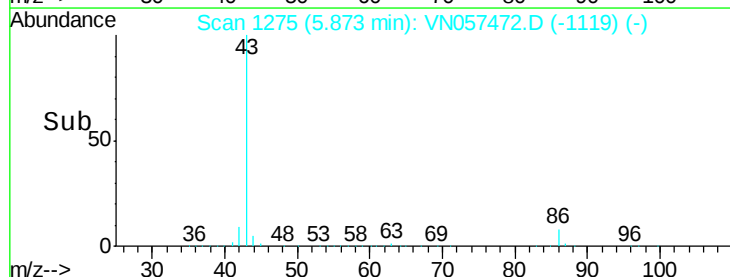
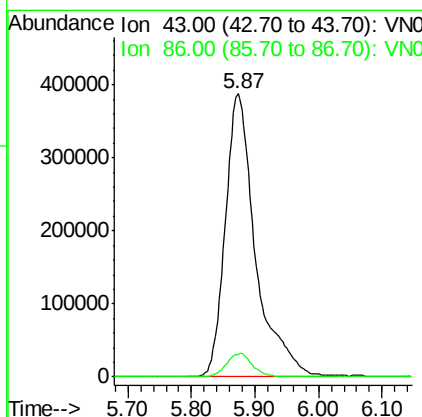
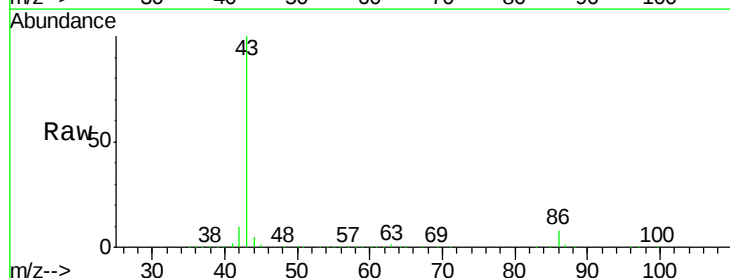
RT: 5.87 min Scan# 1275

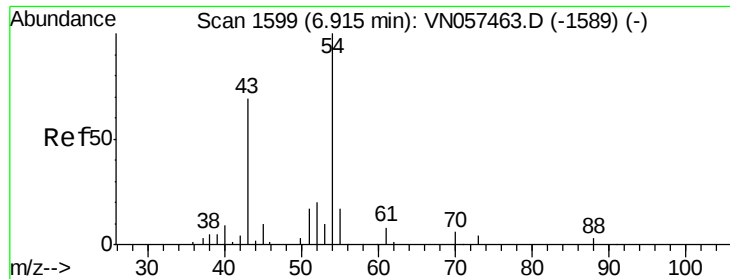
Delta R.T. 0.00 min

Lab File: VN057472.D

Acq: 23 Aug 2019 14:15

Tgt Ion	43	Resp	1275631
Ion	Ratio	Lower	Upper
43	100		
86	7.2	5.7	8.5





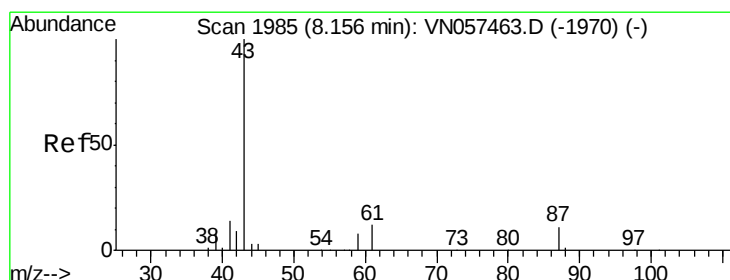
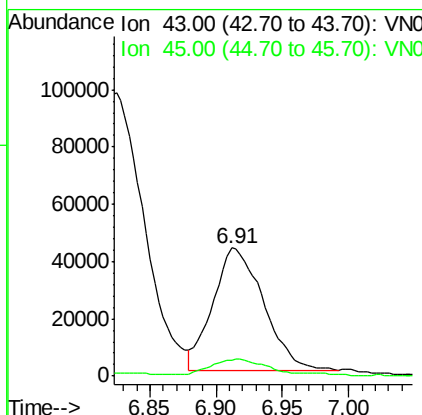
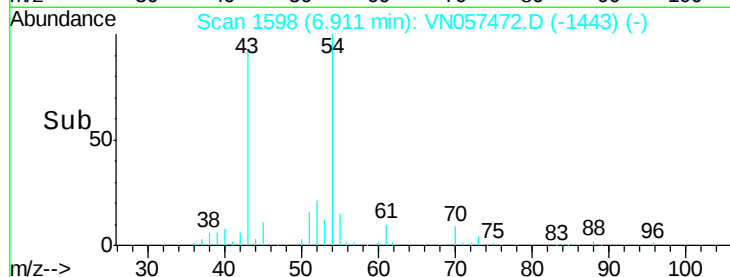
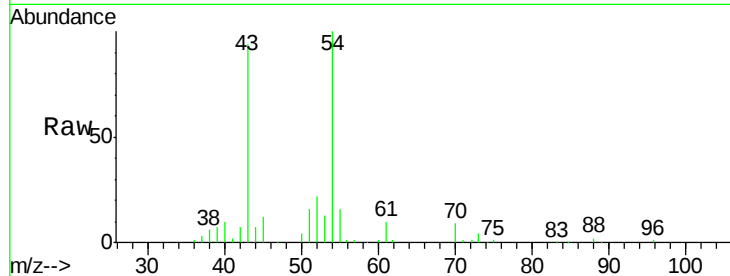
#43
Ethyl Acetate
Concen: 18.302 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VN057472.D
Acq: 23 Aug 2019 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0823WBSD01

Tot Ion: 43 Resp: 113893
Ion Ratio Lower Upper
43 100
45 12.9 11.0 16.4

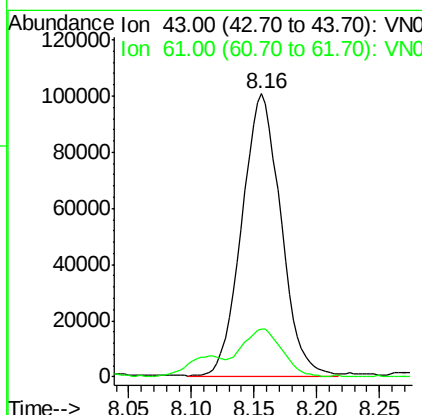
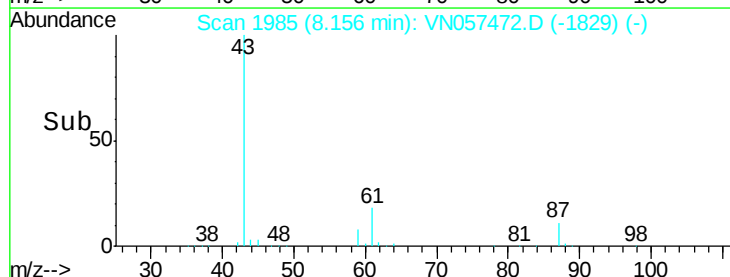
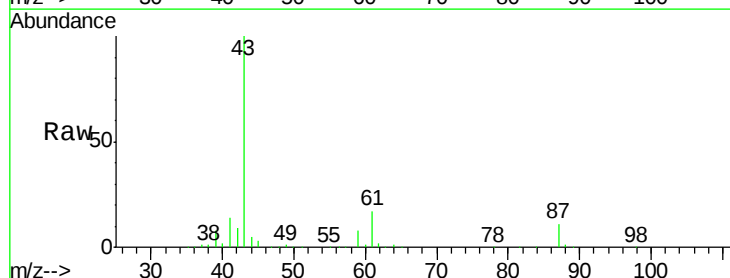
Manual Integrations
APPROVED

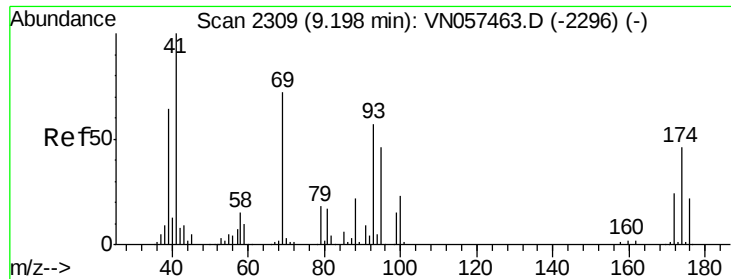
MMDadoda
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#44
Isopropyl Acetate
Concen: 18.260 ug/l
RT: 8.16 min Scan# 1985
Delta R.T. 0.00 min
Lab File: VN057472.D
Acq: 23 Aug 2019 14:15

Tgt Ion: 43 Resp: 216916
Ion Ratio Lower Upper
43 100
61 17.5 0.1 0.1#





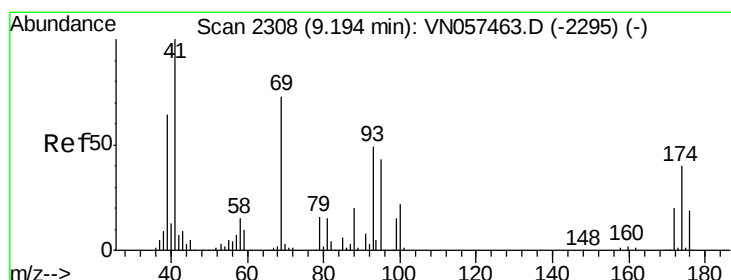
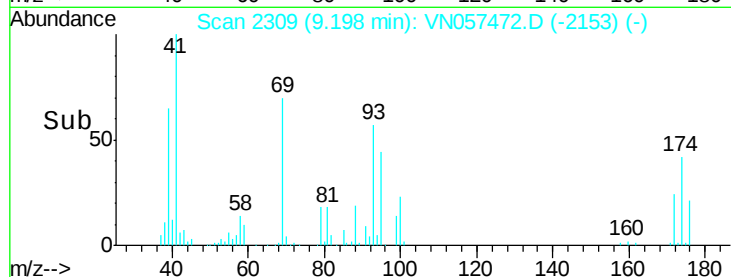
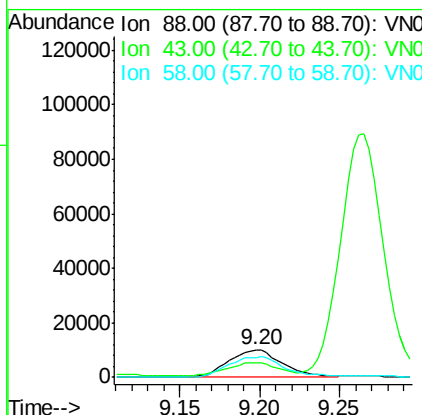
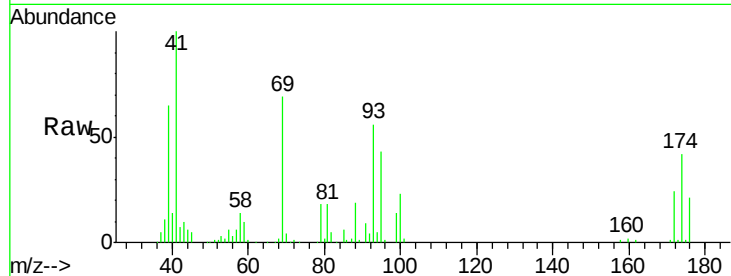
#45
 1,4-Dioxane
 Concen: 325.999 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN057472.D
 Acq: 23 Aug 2019 14:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0823WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	42.2	29.8	44.6	
58	78.4	62.2	93.2	

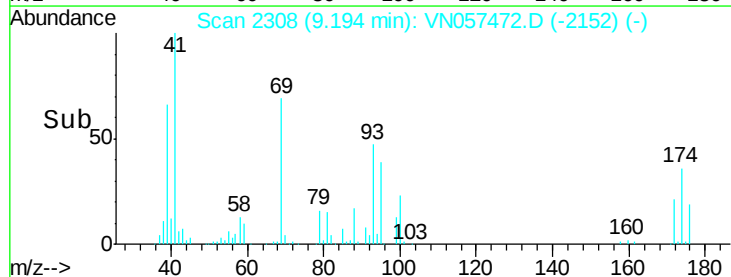
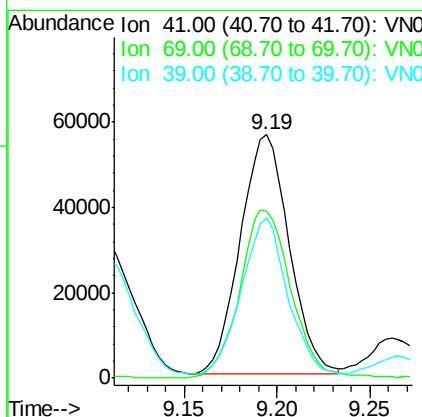
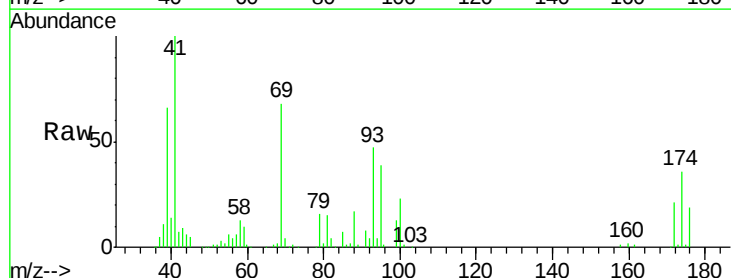
Manual Integrations
 APPROVED

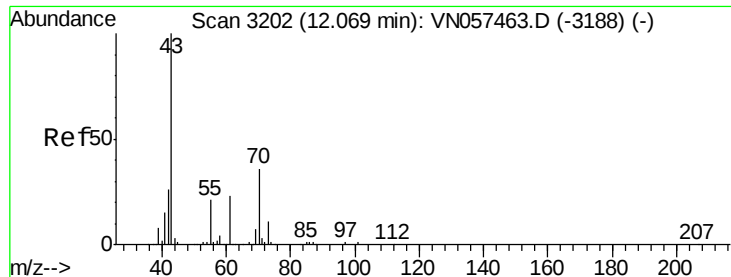
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#46
 Methyl methacrylate
 Concen: 18.252 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN057472.D
 Acq: 23 Aug 2019 14:15

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	69.4	36.5	109.5	
39	65.1	32.1	96.3	





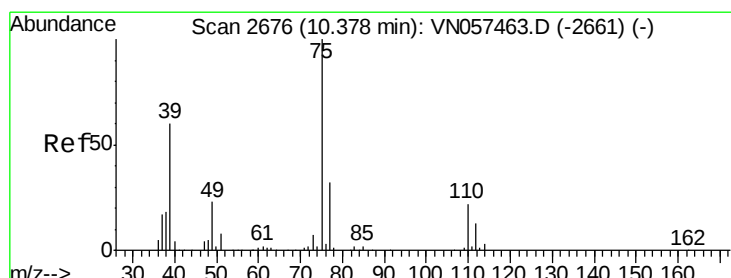
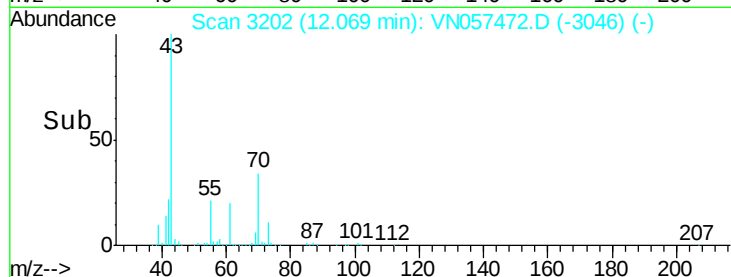
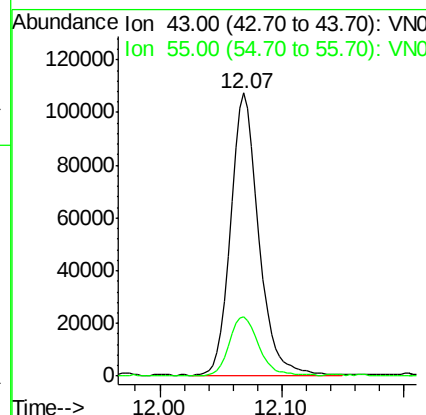
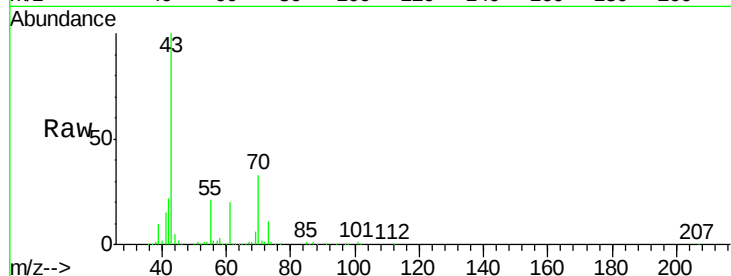
#47
n-amyl Acetate
Concen: 18.002 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN057472.D
Acq: 23 Aug 2019 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0823WBSD01

Tot Ion: 43 Resp: 172119
Ion Ratio Lower Upper
43 100
55 22.0 17.0 25.6

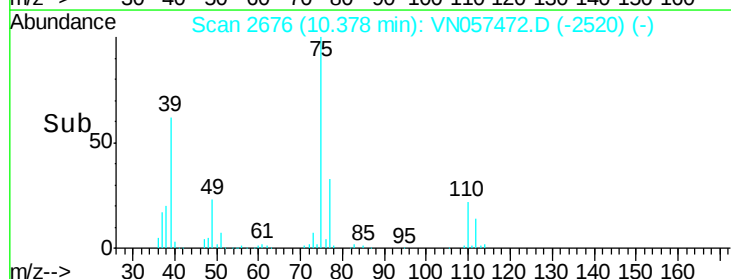
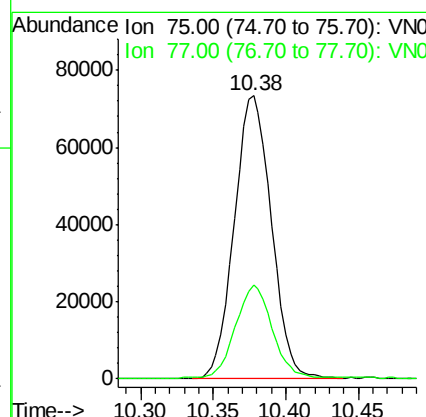
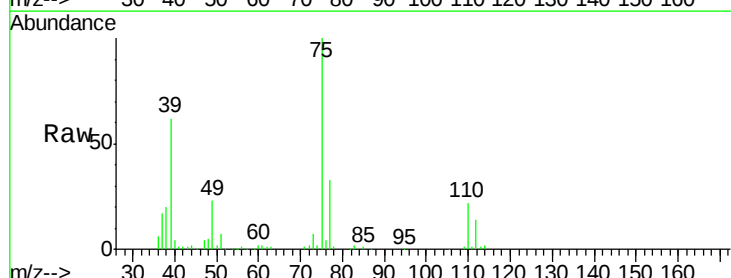
Manual Integrations
APPROVED

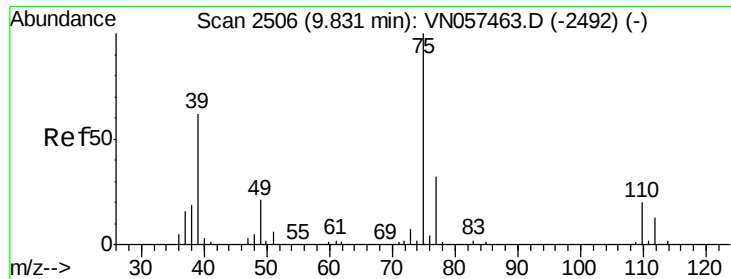
MMDadoda
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#48
t-1,3-Dichloropropene
Concen: 17.156 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN057472.D
Acq: 23 Aug 2019 14:15

Tgt Ion: 75 Resp: 130614
Ion Ratio Lower Upper
75 100
77 32.7 25.7 38.5





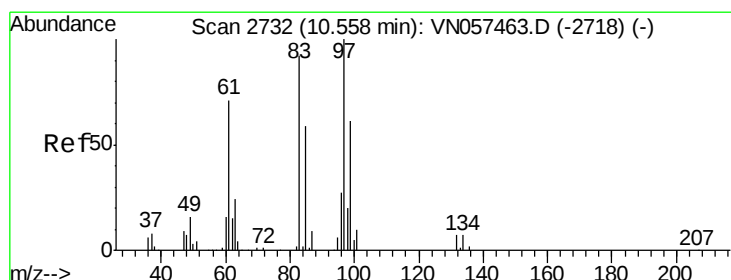
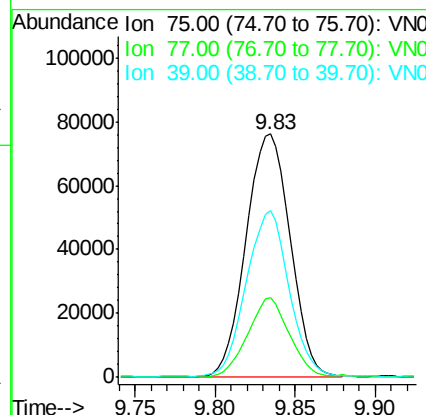
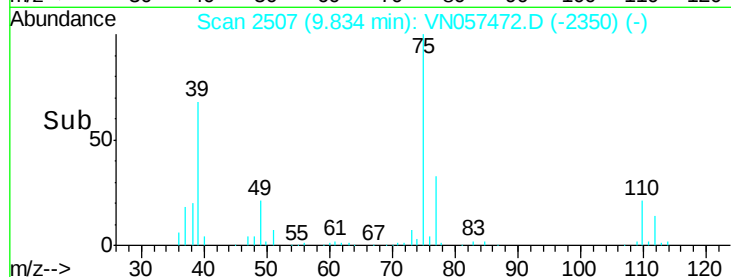
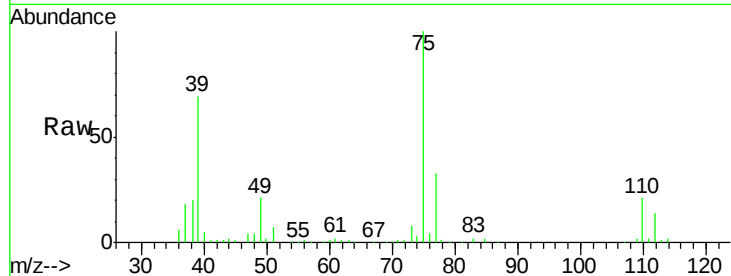
#49
 cis-1,3-Dichloropropene
 Concen: 17.271 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. 0.00 min
 Lab File: VN057472.D
 Acq: 23 Aug 2019 14:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0823WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.0	25.4	38.0
39	68.1	49.8	74.6

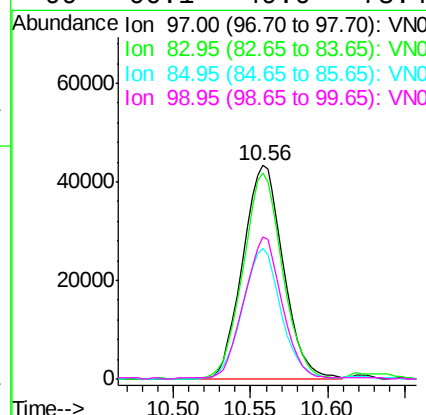
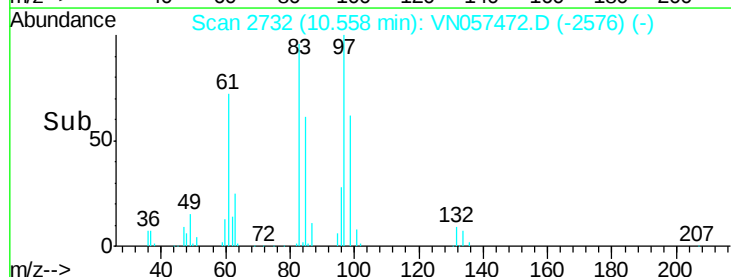
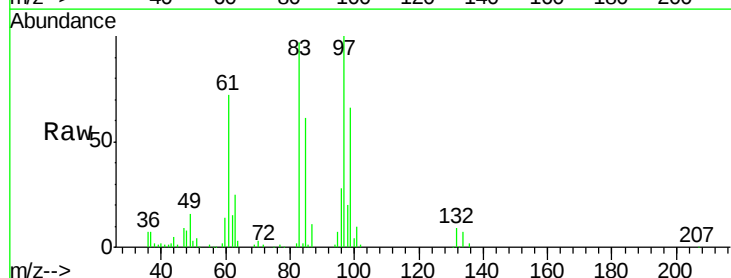
Manual Integrations
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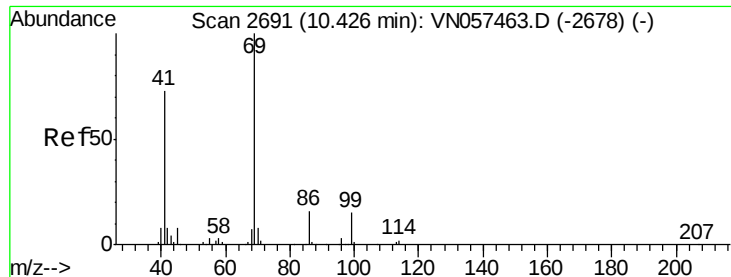
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#50
 1,1,2-Trichloroethane
 Concen: 17.776 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN057472.D
 Acq: 23 Aug 2019 14:15

Tgt Ion	Ratio	Lower	Upper
97	100		
83	96.6	73.2	109.8
85	61.2	47.1	70.7
99	66.1	49.0	73.4





#51

Ethyl methacrylate

Concen: 17.986 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN057472.D

Acq: 23 Aug 2019 14:15

Instrument :

MSVOA_N

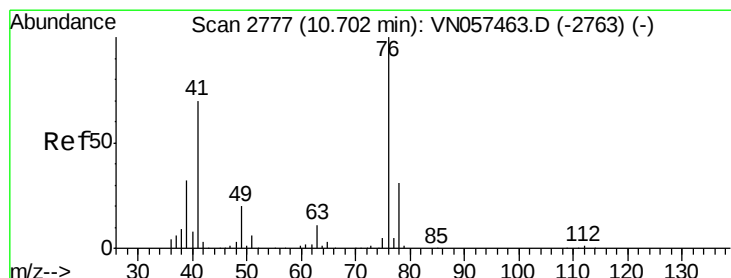
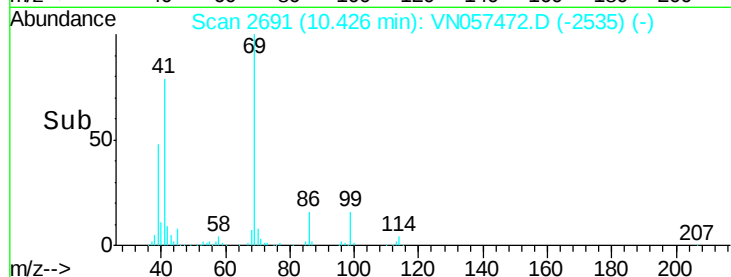
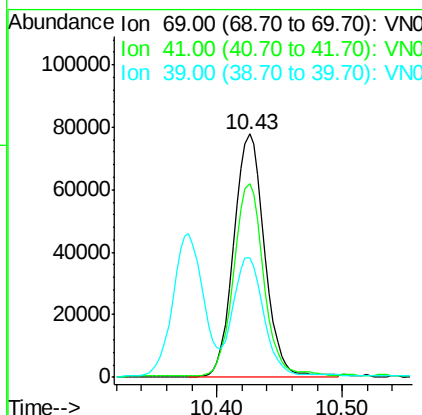
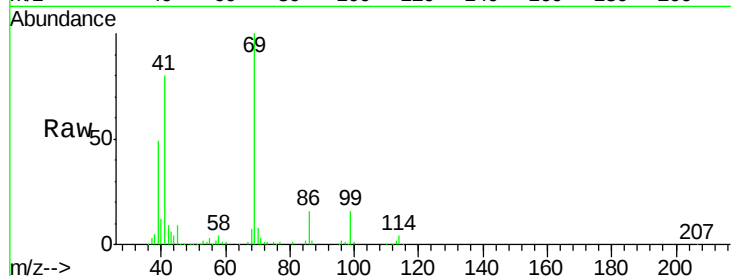
ClientSampled :

VN0823WBSD01

Tot Ion:	69	Resp:	133222
Ion	Ratio	Lower	Upper
69	100		
41	78.9	37.0	111.1
39	47.9	24.4	73.4

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 18.312 ug/l

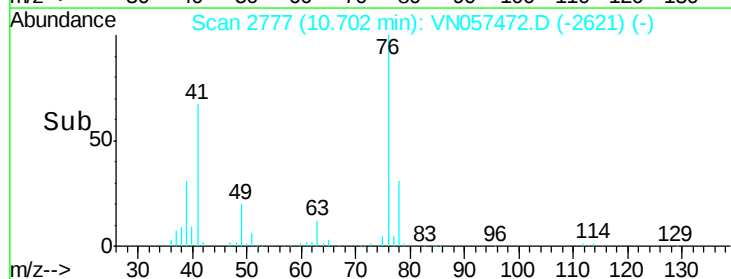
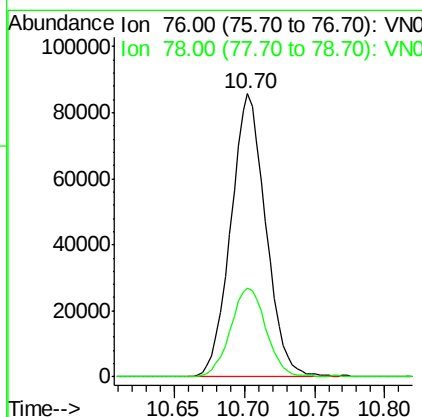
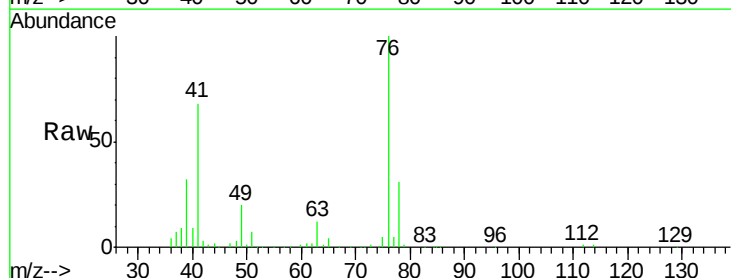
RT: 10.70 min Scan# 2777

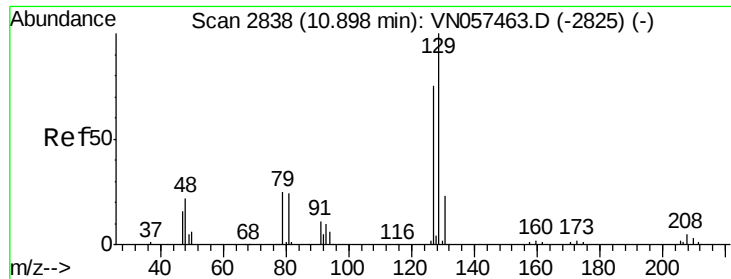
Delta R.T. 0.00 min

Lab File: VN057472.D

Acq: 23 Aug 2019 14:15

Tgt Ion:	76	Resp:	148763
Ion	Ratio	Lower	Upper
76	100		
78	32.0	0.0	63.0





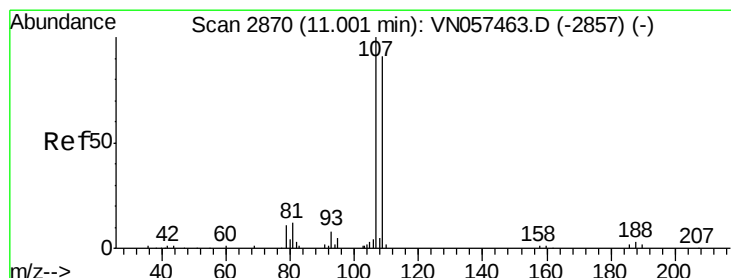
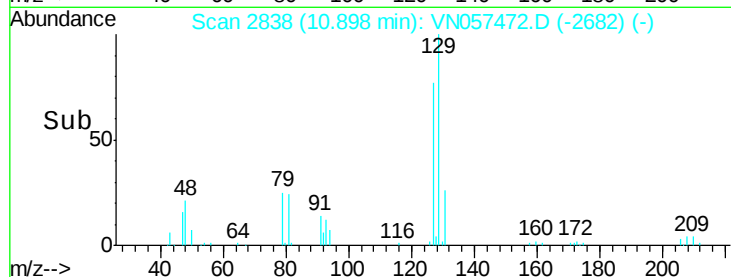
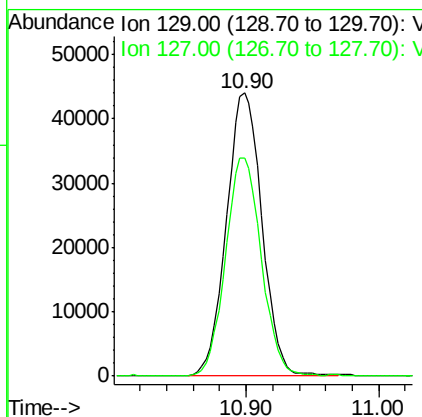
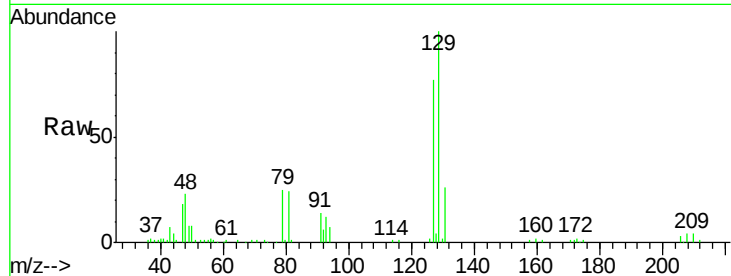
#53
Dibromochloromethane
Concen: 17.306 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN057472.D
Acq: 23 Aug 2019 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0823WBSD01

Tot Ion:129 Resp: 82208
Ion Ratio Lower Upper
129 100
127 77.3 38.1 114.3

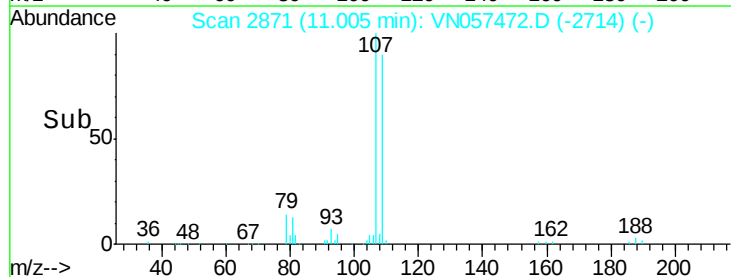
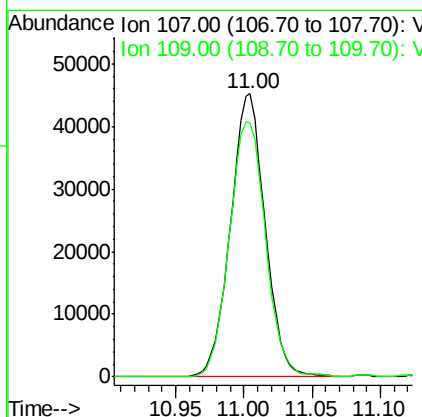
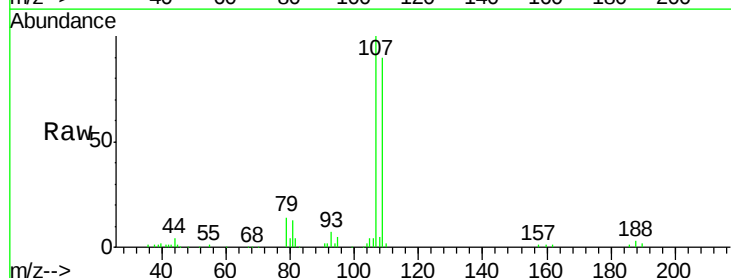
Manual Integrations
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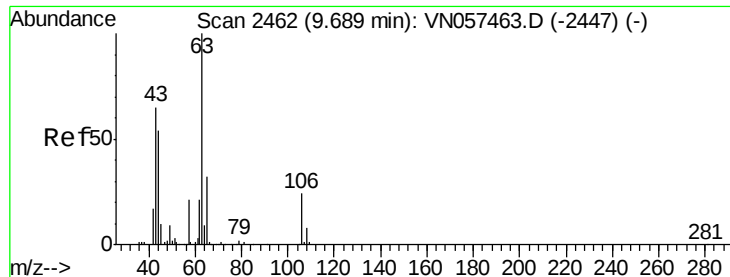
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#54
1,2-Dibromoethane
Concen: 17.498 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. 0.00 min
Lab File: VN057472.D
Acq: 23 Aug 2019 14:15

Tgt Ion:107 Resp: 79778
Ion Ratio Lower Upper
107 100
109 93.6 73.2 109.8





#55

2-Chloroethyl vinyl ether

Concen: 183.421 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057472.D

Acq: 23 Aug 2019 14:15

Instrument :

MSVOA_N

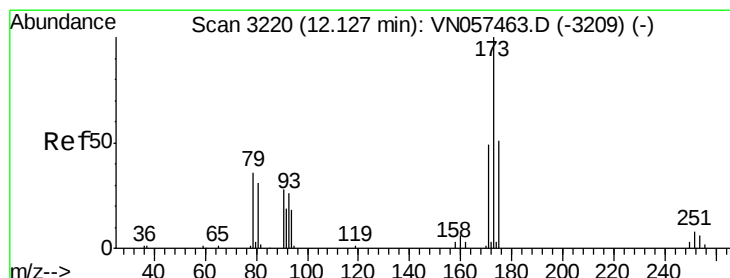
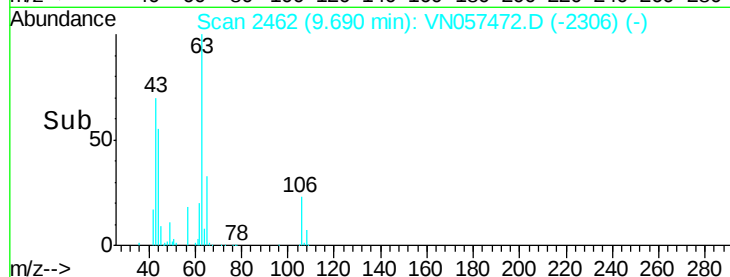
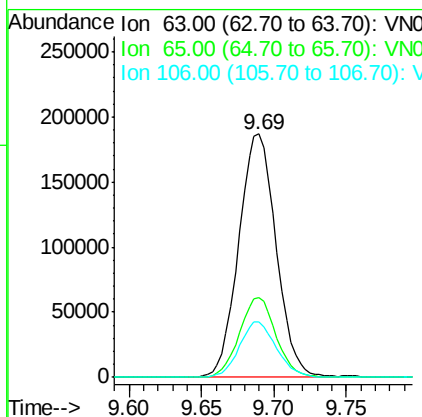
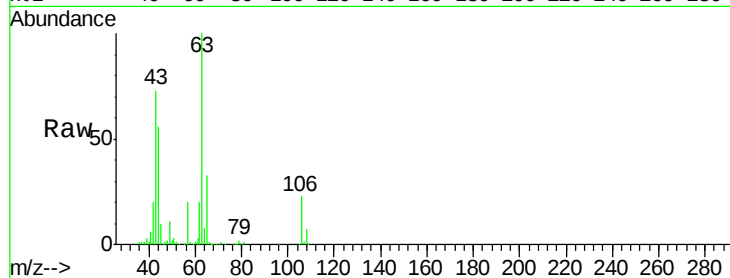
ClientSampleId :

VN0823WBSD01

Tot Ion:	63	Resp:	334899
Ion	Ratio	Lower	Upper
63	100		
65	32.0	25.1	37.7
106	22.5	18.7	28.1

Manual Integrations
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#56

Bromoform

Concen: 17.015 ug/l

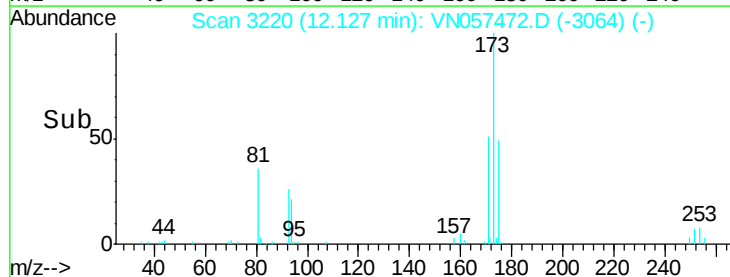
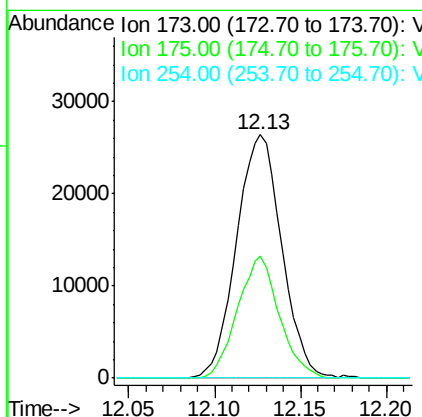
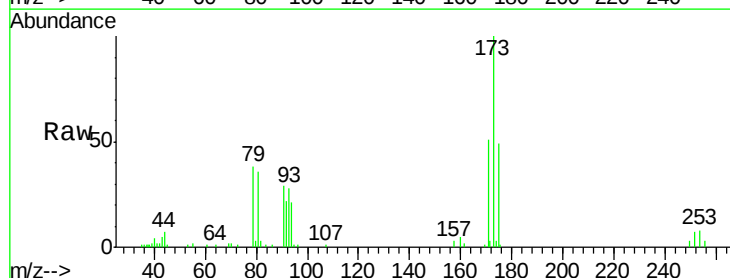
RT: 12.13 min Scan# 3220

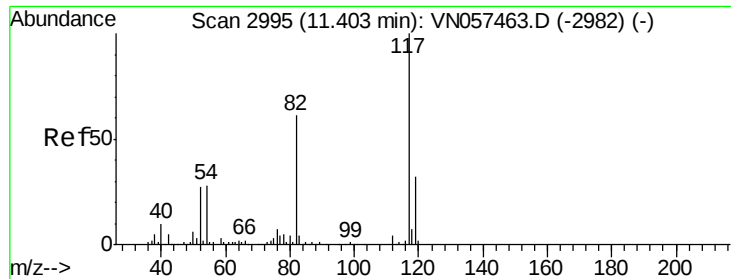
Delta R.T. 0.00 min

Lab File: VN057472.D

Acq: 23 Aug 2019 14:15

Tgt Ion:	173	Resp:	48238
Ion	Ratio	Lower	Upper
173	100		
175	46.2	40.1	60.1
254	0.0	0.0	0.0





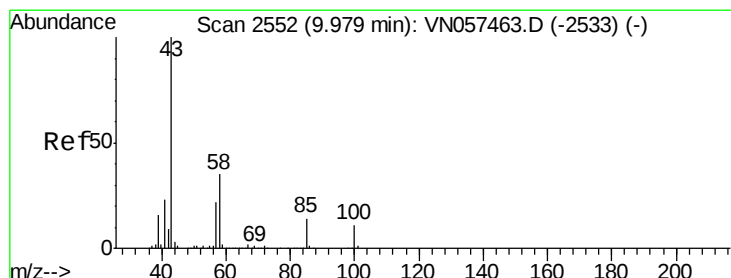
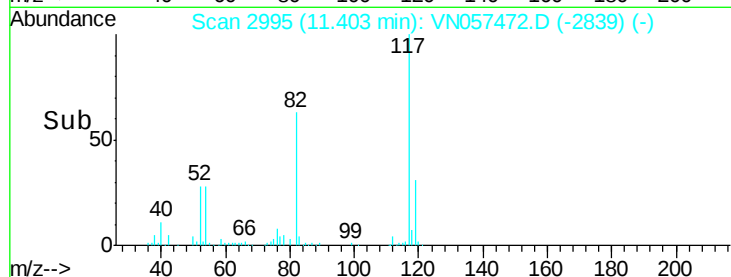
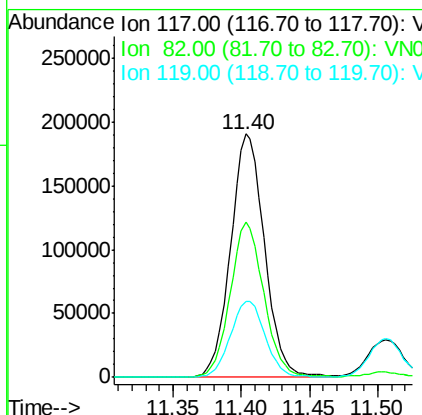
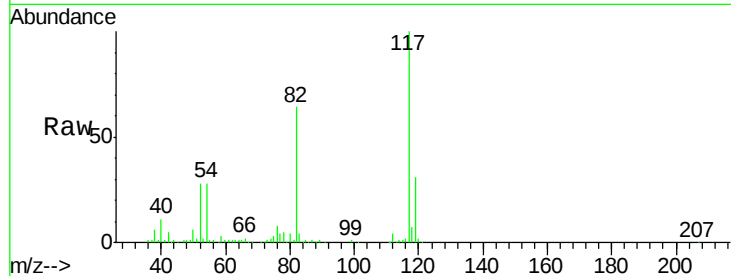
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN057472.D
Acq: 23 Aug 2019 14:15

Instrument :
MSVOA_N
ClientSampled :
VN0823WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	329472		
82	63.3	50.4	75.6	
119	32.1	25.4	38.2	

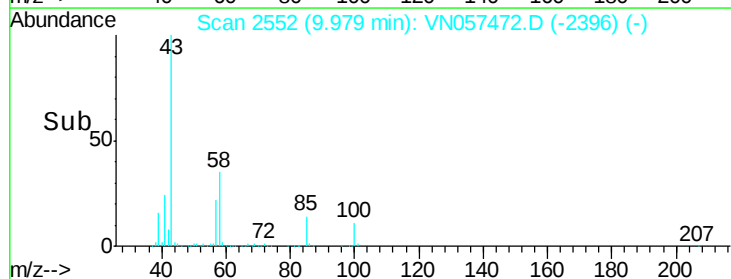
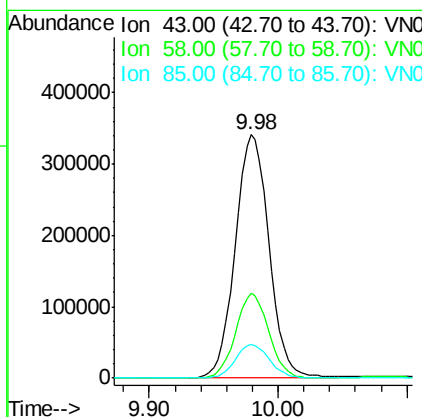
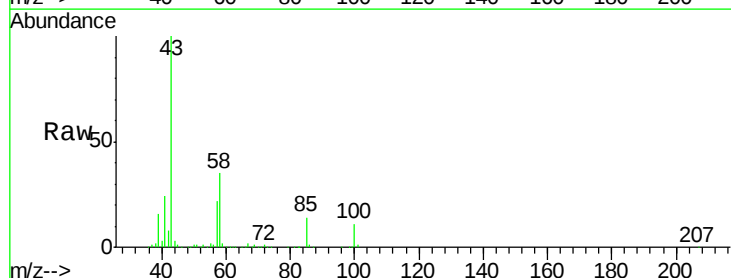
Manual Integrations
APPROVED

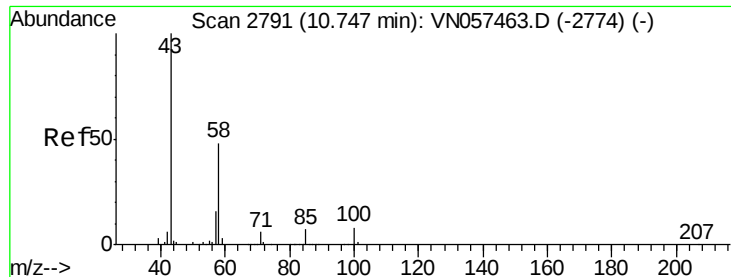
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#58
4-Methyl-2-Pentanone
Concen: 95.477 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VN057472.D
Acq: 23 Aug 2019 14:15

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	617113		
58	34.3	28.0	42.0	
85	14.0	11.3	16.9	





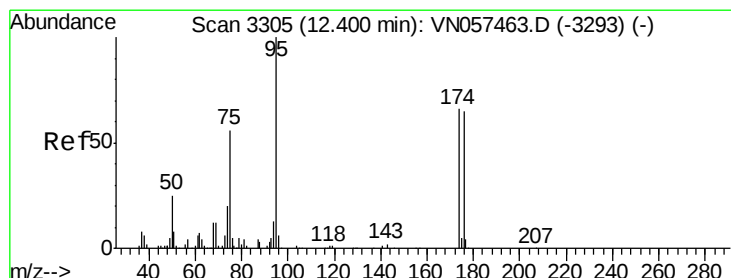
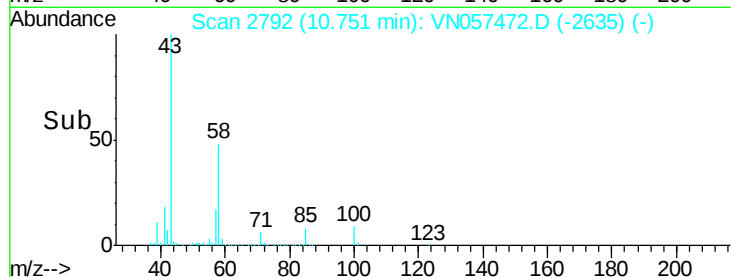
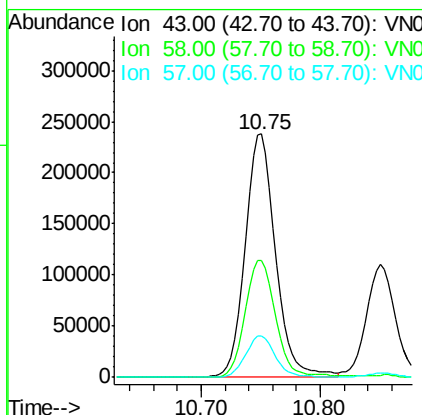
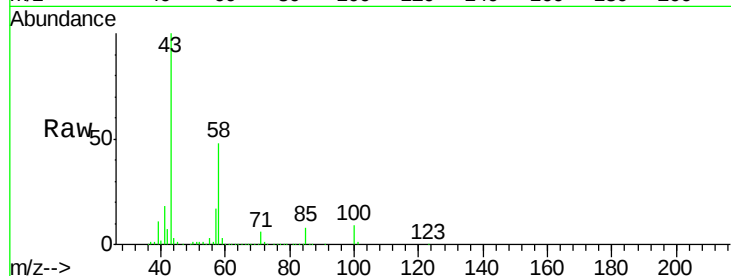
#59
2-Hexanone
Concen: 93.336 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057472.D
Acq: 23 Aug 2019 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0823WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.6	38.9	58.3
57	16.3	13.0	19.4

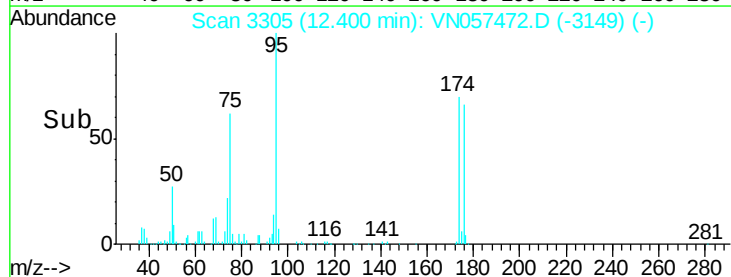
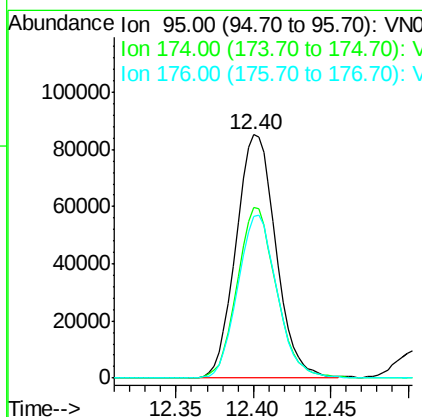
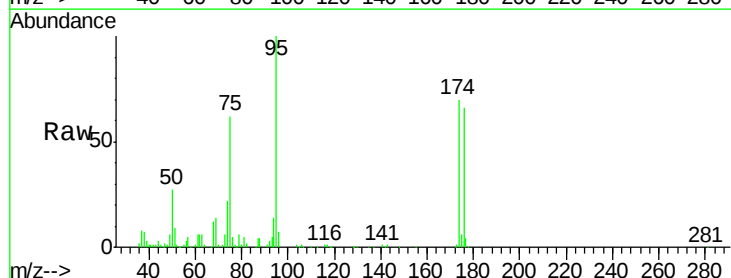
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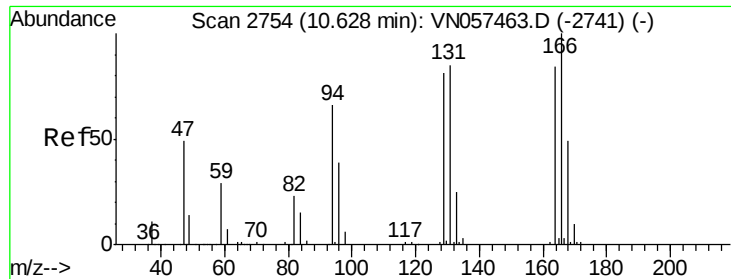
MMDadoda
8/26/2019 1:12:24 PM



#60
4-Bromofluorobenzene
Concen: 28.136 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN057472.D
Acq: 23 Aug 2019 14:15

Tgt Ion	Ratio	Lower	Upper
95	100		
174	68.6	54.9	82.3
176	66.0	54.2	81.4





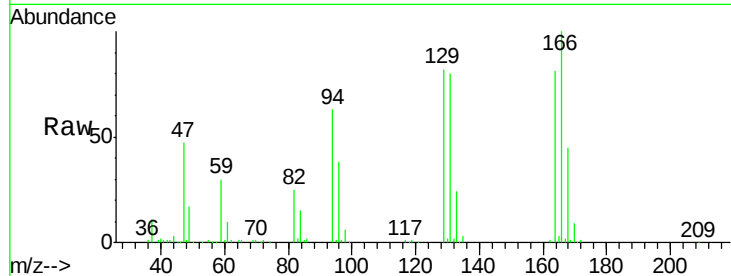
#61
Tetrachloroethene
Concen: 19.265 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. -0.00 min
Lab File: VN057472.D
Acq: 23 Aug 2019 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0823WBSD01

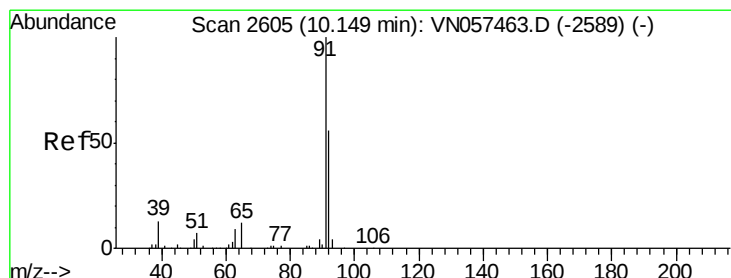
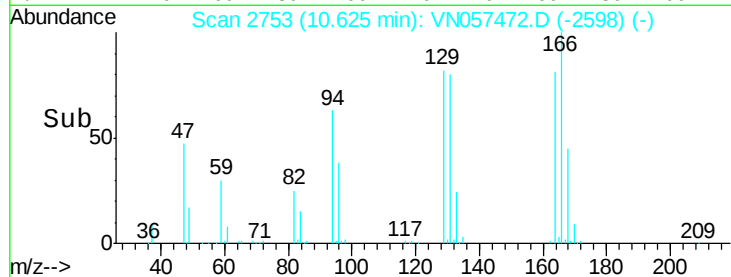
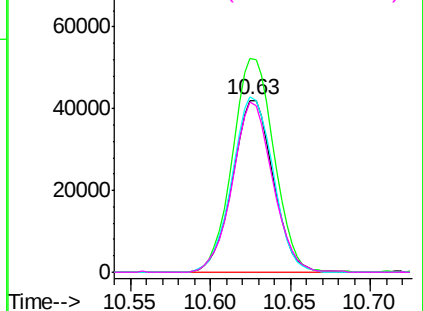
Tot Ion	Ratio	Lower	Upper
164	100		
166	124.2	95.8	143.6
129	101.8	77.2	115.8
131	98.9	81.1	121.7

Manual Integrations
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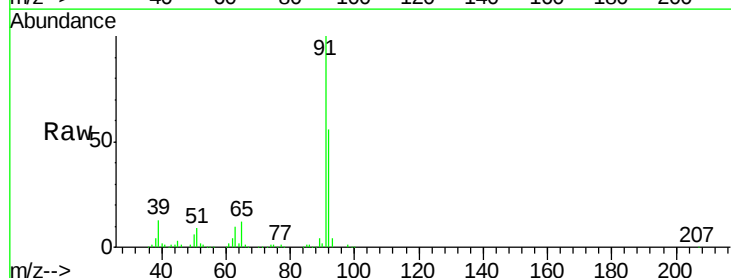


Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

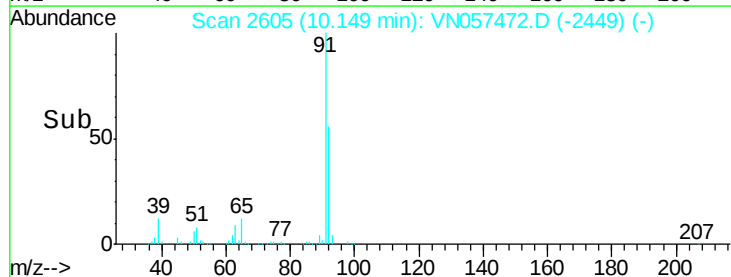
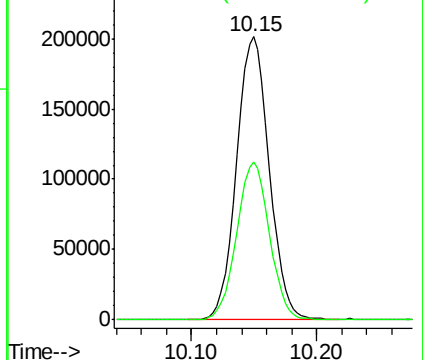


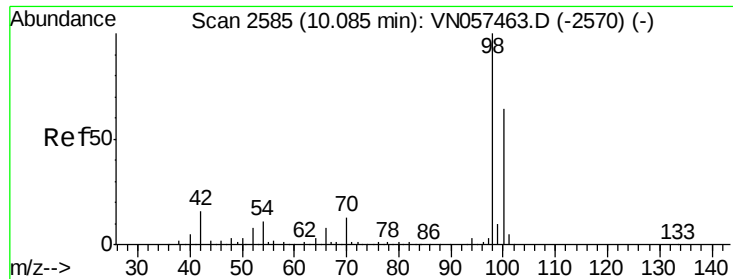
#62
Toluene
Concen: 18.060 ug/l
RT: 10.15 min Scan# 2605
Delta R.T. 0.00 min
Lab File: VN057472.D
Acq: 23 Aug 2019 14:15

Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.1	45.4	68.0



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 30.634 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN057472.D

Acq: 23 Aug 2019 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN0823WBSD01

Tot Ion: 98 Resp: 509695

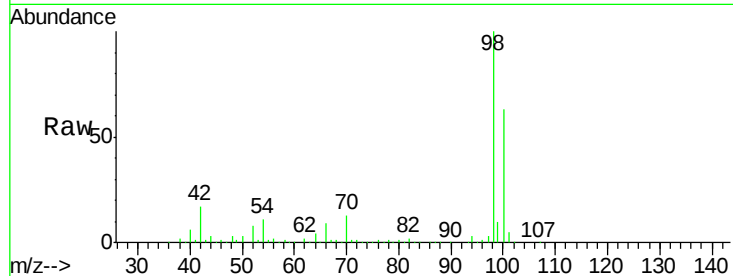
Ion Ratio Lower Upper

98 100

100 62.3 51.0 76.6

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Abundance Ion 98.00 (97.70 to 98.70): VN057463.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN057463.D (-2570) (-)

10.08

300000

250000

200000

150000

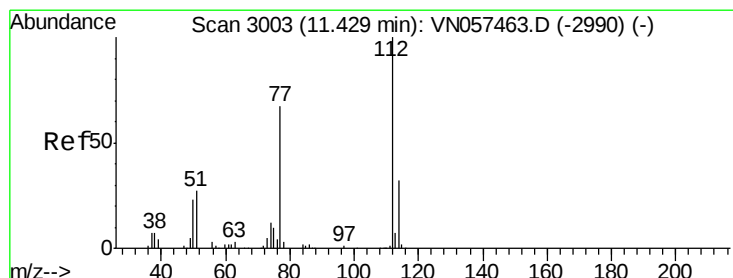
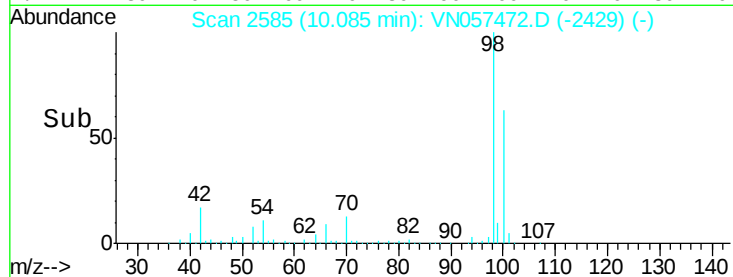
100000

50000

0

10.00 10.05 10.10 10.15

Time-->



#64

Chlorobenzene

Concen: 18.221 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. 0.00 min

Lab File: VN057472.D

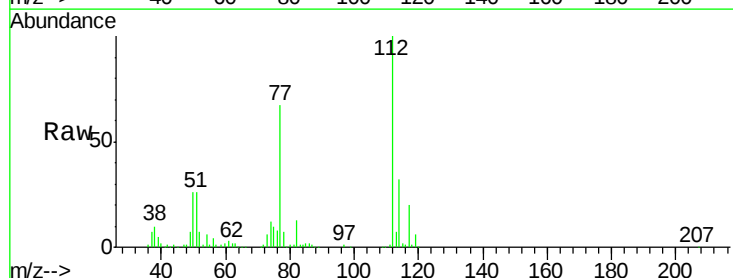
Acq: 23 Aug 2019 14:15

Tgt Ion: 112 Resp: 199472

Ion Ratio Lower Upper

112 100

114 31.9 25.6 38.4



Abundance Ion 112.00 (111.70 to 112.70): VN057463.D (-2990) (-)

Ion 114.00 (113.70 to 114.70): VN057463.D (-2990) (-)

11.43

120000

100000

80000

60000

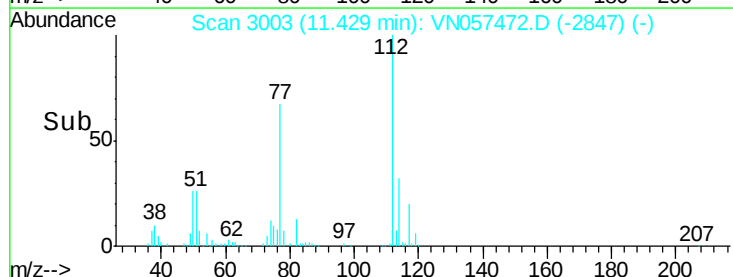
40000

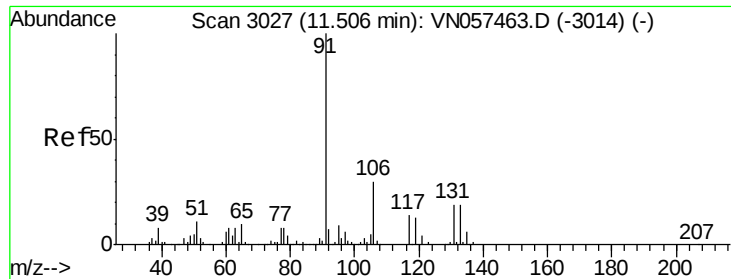
20000

0

11.35 11.40 11.45 11.50

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 18.319 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN057472.D

Acq: 23 Aug 2019 14:15

Instrument :

MSVOA_N

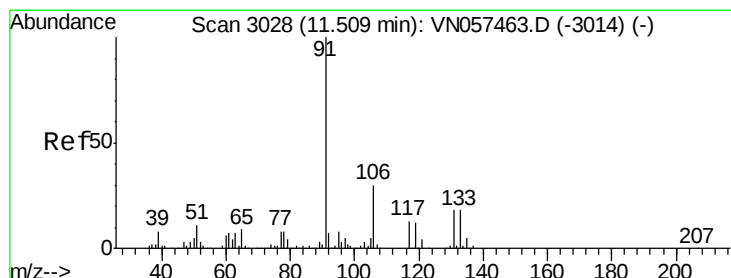
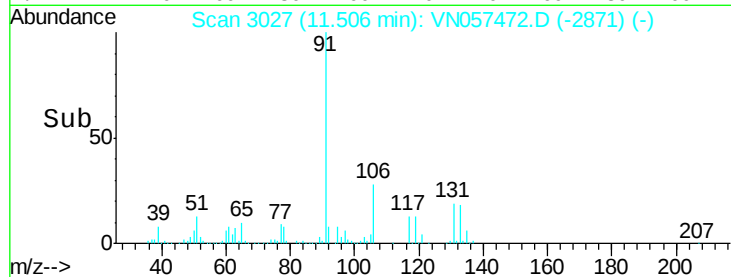
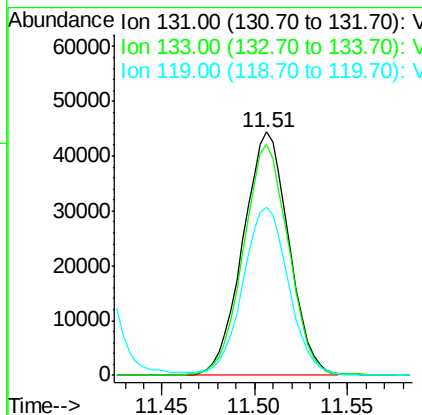
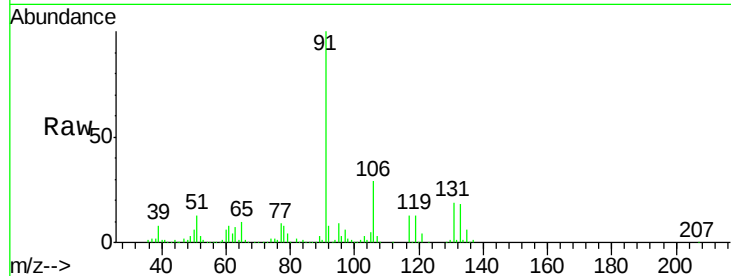
ClientSampleId :

VN0823WBSD01

Tot Ion:	131	Resp:	76211
Ion Ratio	Lower	Upper	
131	100		
133	93.3	0.0	193.6
119	69.0	0.0	137.4

Manual Integrations
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#66

Ethyl Benzene

Concen: 17.863 ug/l

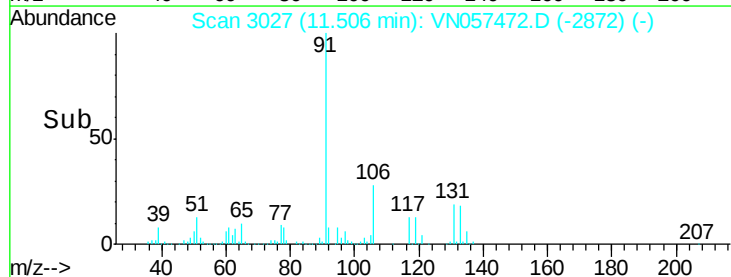
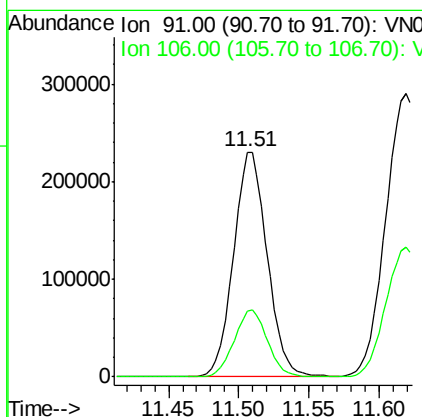
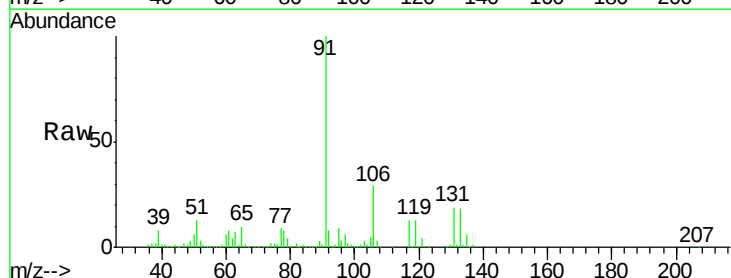
RT: 11.51 min Scan# 3027

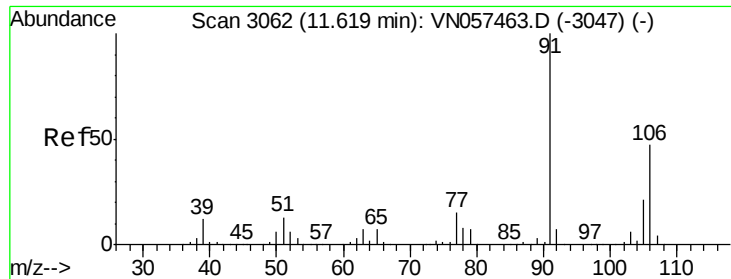
Delta R.T. -0.00 min

Lab File: VN057472.D

Acq: 23 Aug 2019 14:15

Tgt Ion:	91	Resp:	384960
Ion Ratio	Lower	Upper	
91	100		
106	29.1	23.6	35.4





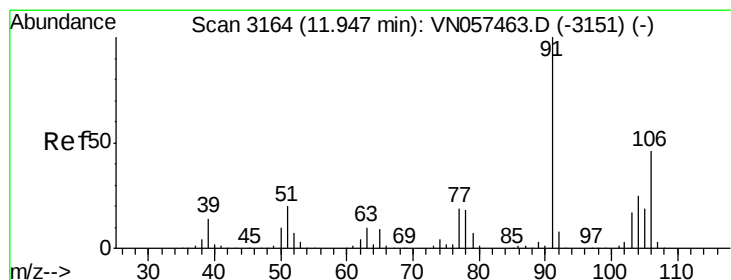
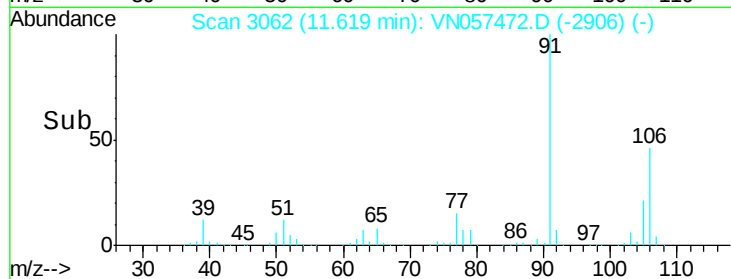
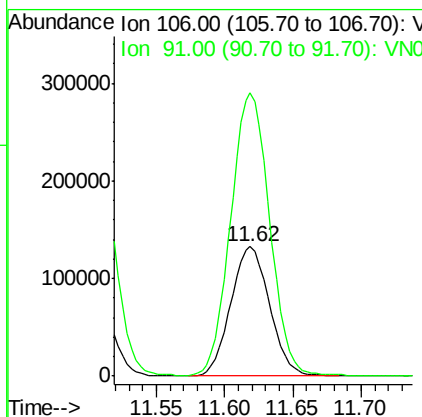
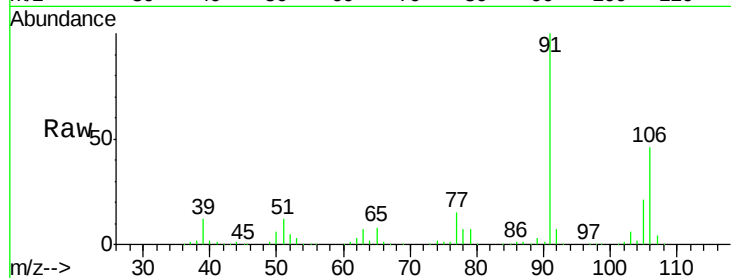
#67
m/p-Xvlenes
Concen: 34.881 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN057472.D
Acq: 23 Aug 2019 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0823WBSD01

Tot Ion:106 Resp: 260728
Ion Ratio Lower Upper
106 100
91 221.7 172.9 259.3

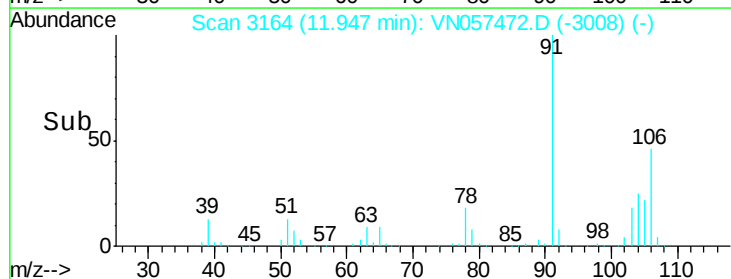
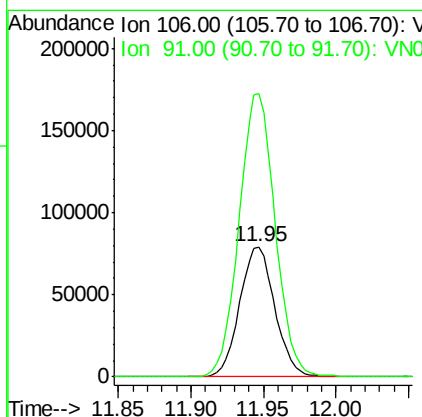
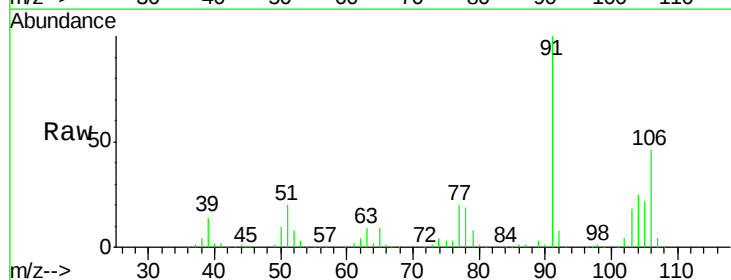
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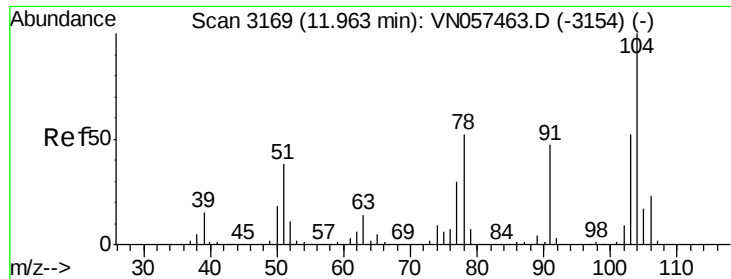
MMDadoda
8/26/2019 1:12:24 PM



#68
o-Xylene
Concen: 18.073 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN057472.D
Acq: 23 Aug 2019 14:15

Tgt Ion:106 Resp: 133501
Ion Ratio Lower Upper
106 100
91 223.1 111.1 333.4





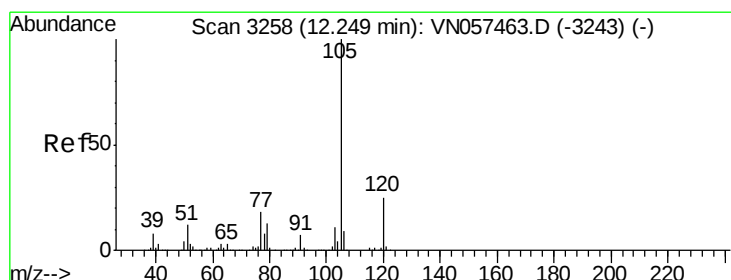
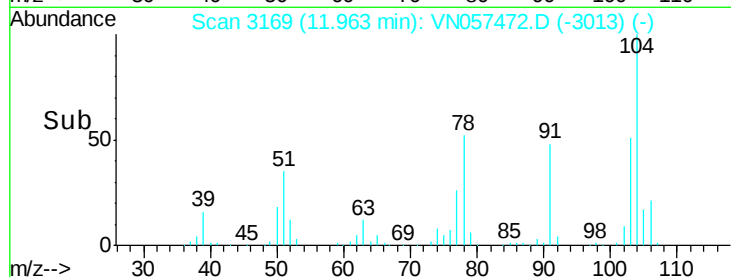
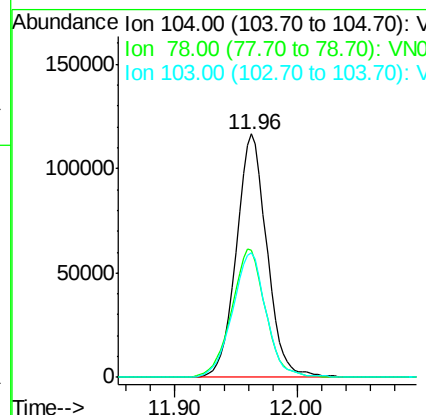
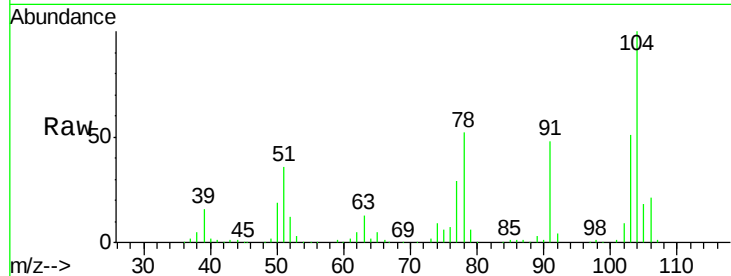
#69
Stvrene
Concen: 17.232 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057472.D
Acq: 23 Aug 2019 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0823WBSD01

Tot Ion	Ratio	Lower	Upper
104	100		
78	58.6	46.5	69.7
103	56.4	45.9	68.9

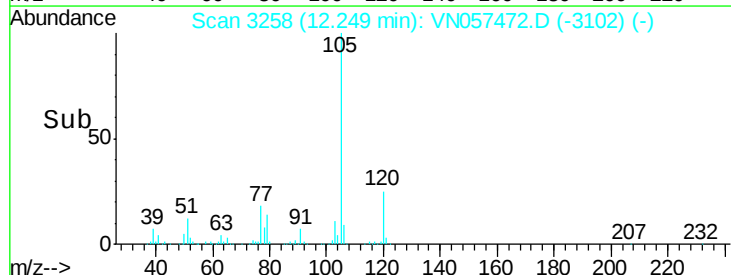
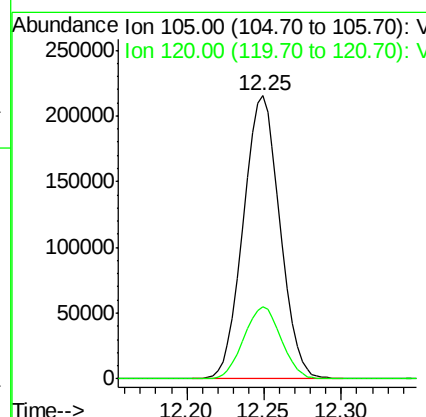
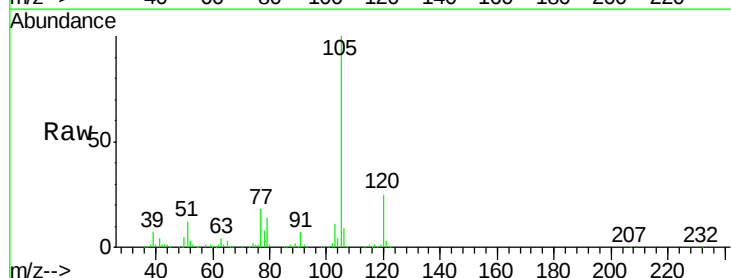
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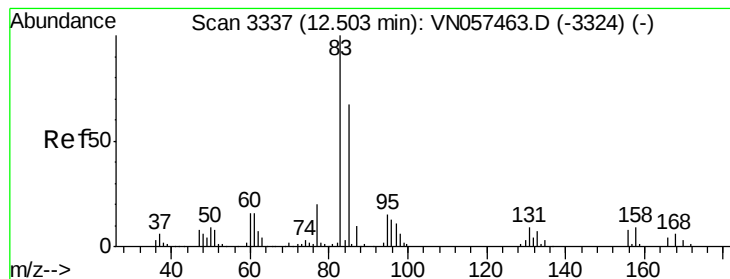
MMDadoda
8/26/2019 1:12:24 PM



#70
Isopropylbenzene
Concen: 17.952 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN057472.D
Acq: 23 Aug 2019 14:15

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.1	17.8	33.1





#71

1,1,2,2-Tetrachloroethane

Concen: 18.409 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN057472.D

Acq: 23 Aug 2019 14:15

Instrument :

MSVOA_N

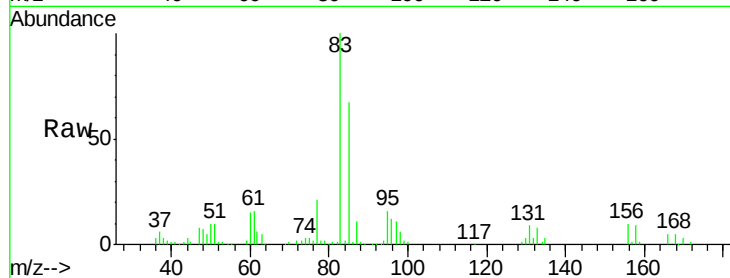
ClientSampleId :

VN0823WBSD01

Tot Ion:	83	Resp:	105199
Ion Ratio	Lower	Upper	
83	100		
131	9.0	4.7	14.1
85	63.8	33.1	99.2

Manual Integrations
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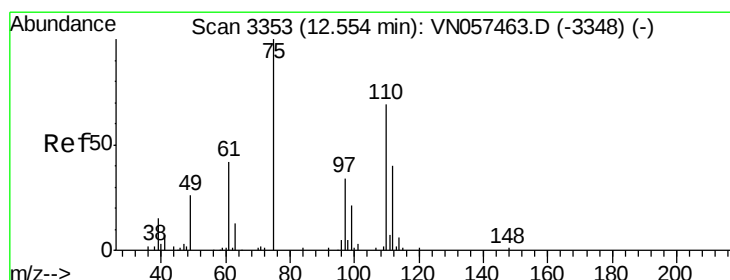
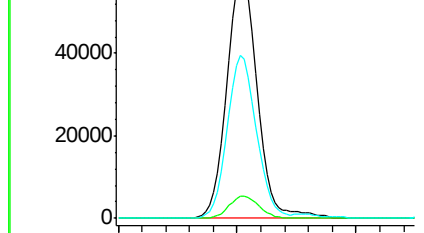
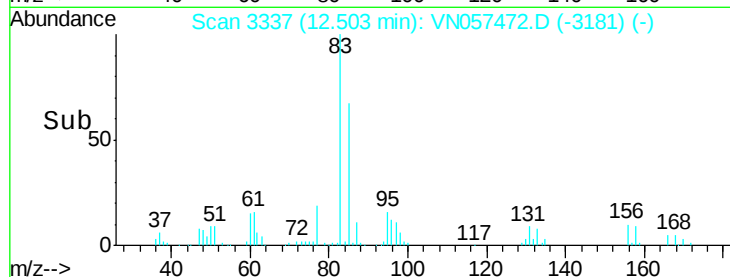


Abundance Ion 83.00 (82.70 to 83.70): VN057472.D (-3181) (-)

Ion 131.00 (130.70 to 131.70): VN057472.D (-3181) (-)

Ion 85.00 (84.70 to 85.70): VN057472.D (-3181) (-)

Time--> 12.40 12.50 12.60



#72

1,2,3-Trichloropropane

Concen: 19.498 ug/l m

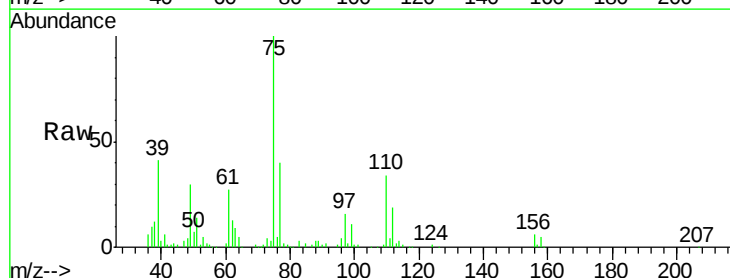
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN057472.D

Acq: 23 Aug 2019 14:15

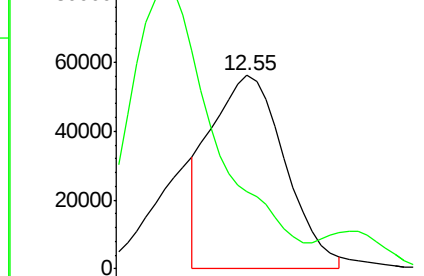
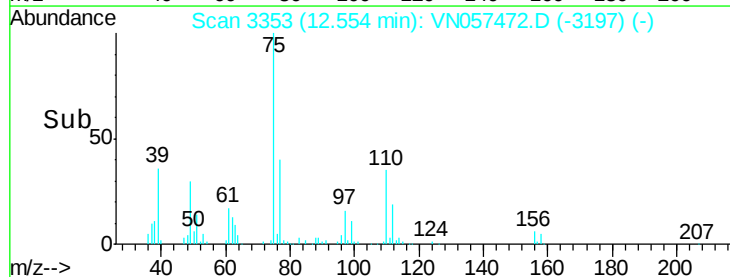
Tgt Ion:	75	Resp:	101147
Ion Ratio	Lower	Upper	
75	100		
77	175.5	0.0	380.2

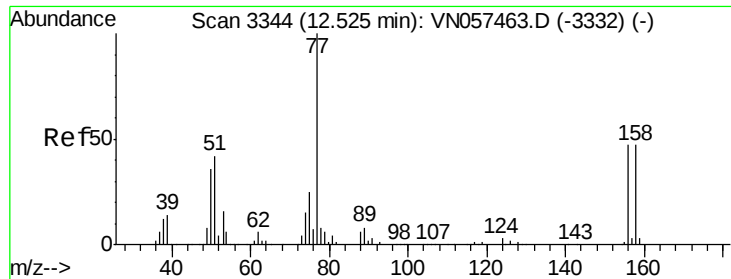


Abundance Ion 75.00 (74.70 to 75.70): VN057472.D (-3197) (-)

Ion 77.00 (76.70 to 77.70): VN057472.D (-3197) (-)

Time--> 12.50 12.55 12.60





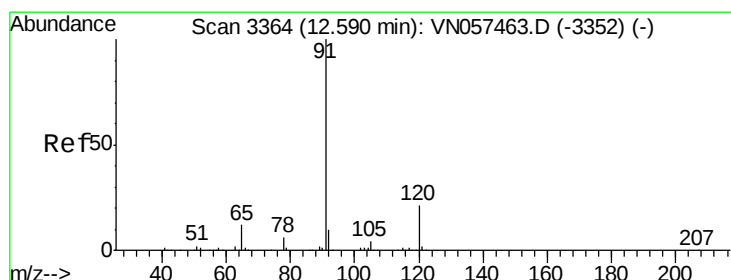
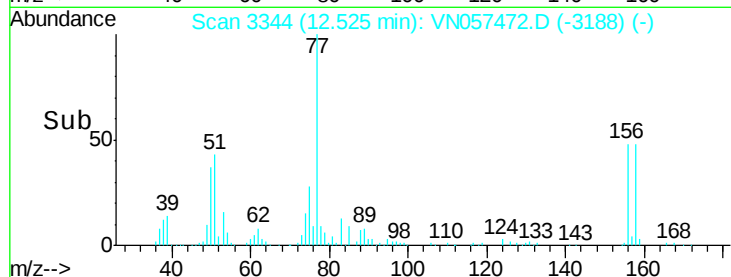
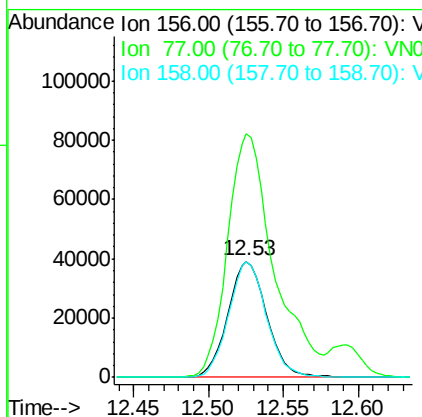
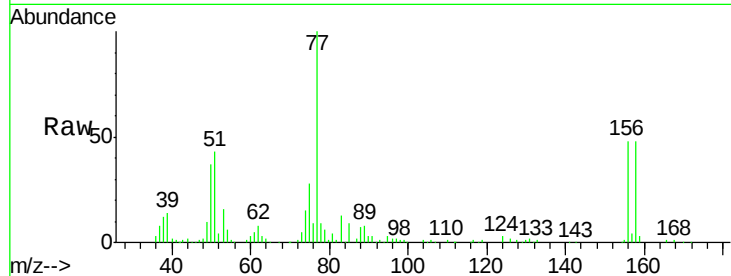
#73
Bromobenzene
Concen: 17.692 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN057472.D
Acq: 23 Aug 2019 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0823WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	250.9	0.0	506.8
158	97.1	0.0	196.6

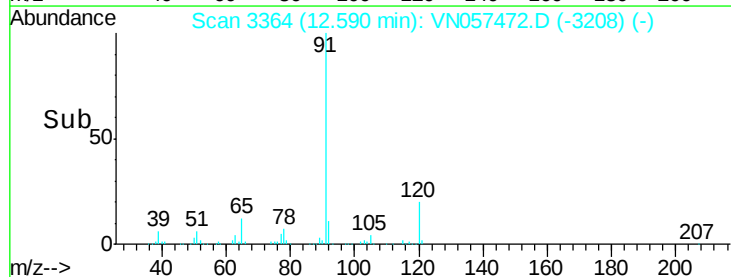
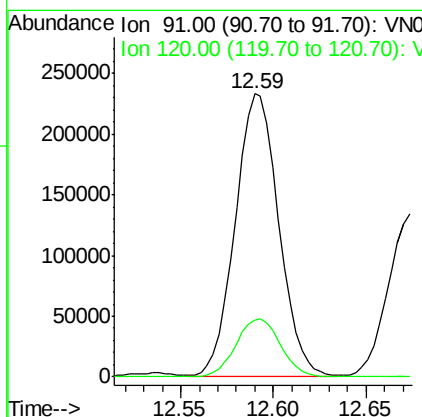
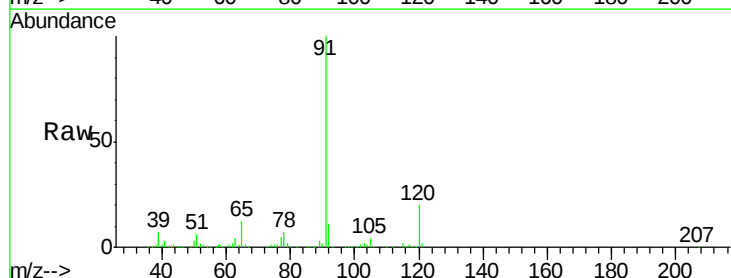
Manual Integrations
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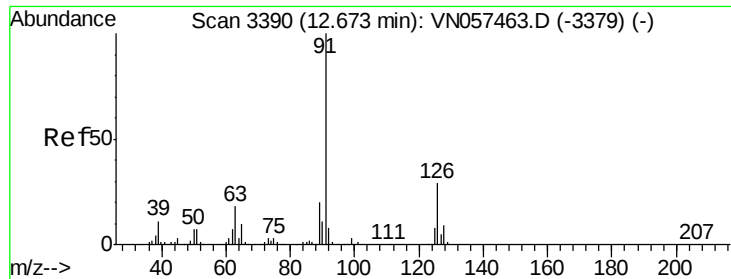
MMDadoda
8/26/2019 1:12:24 PM



#74
n-propylbenzene
Concen: 16.899 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN057472.D
Acq: 23 Aug 2019 14:15

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.0	0.0	42.2





#75

2-Chlorotoluene

Concen: 17.538 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057472.D

Acq: 23 Aug 2019 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN0823WBSD01

Tot Ion: 91 Resp: 232737

Ion Ratio Lower Upper

91 100

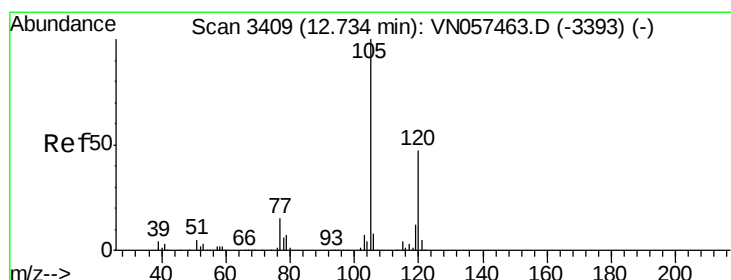
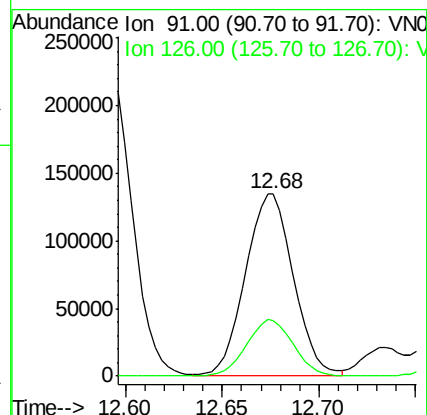
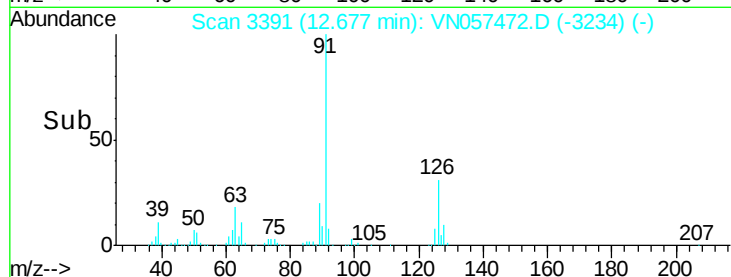
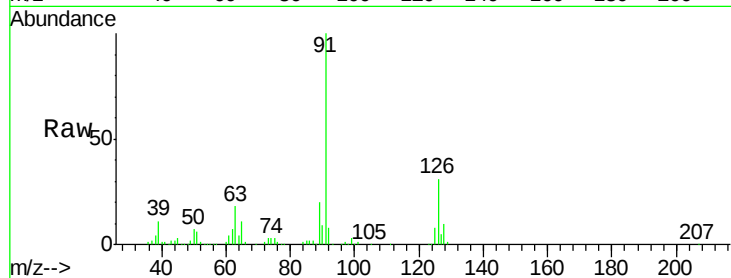
126 30.2 0.0 60.4

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#76

1,3,5-Trimethylbenzene

Concen: 17.608 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057472.D

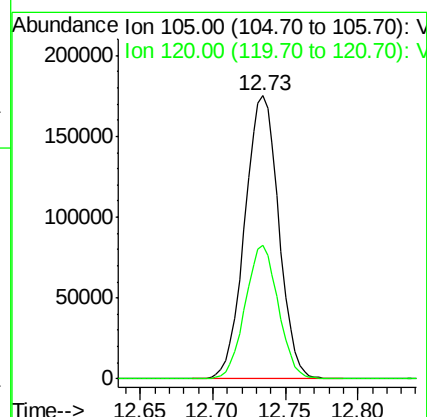
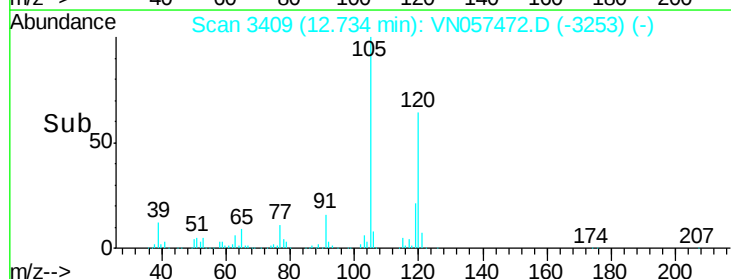
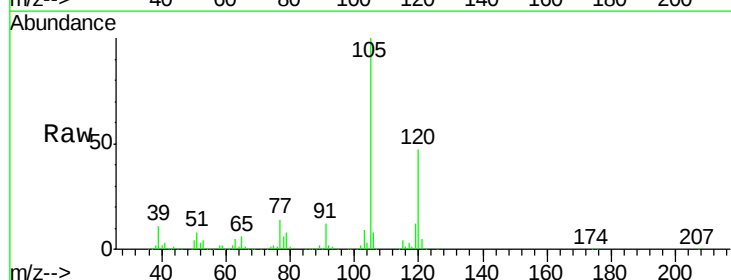
Acq: 23 Aug 2019 14:15

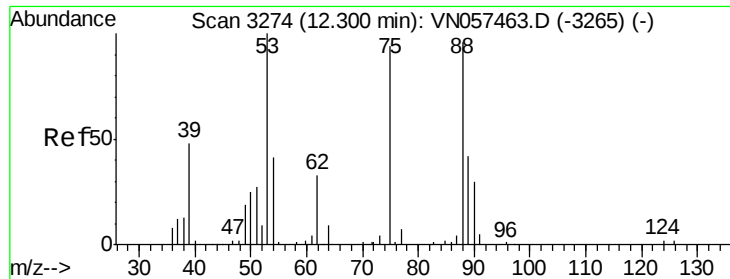
Tgt Ion: 105 Resp: 285551

Ion Ratio Lower Upper

105 100

120 45.8 0.0 94.4





#77

t-1,4-Dichloro-2-butene

Concen: 17.182 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN057472.D

Acq: 23 Aug 2019 14:15

Instrument :

MSVOA_N

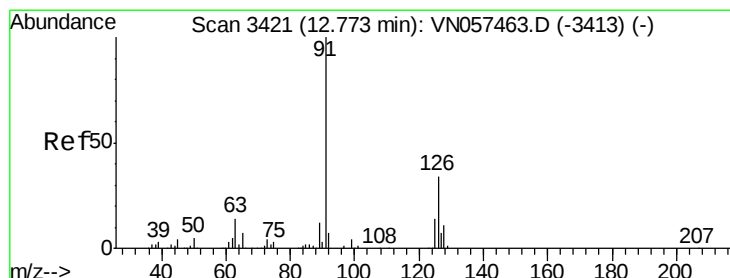
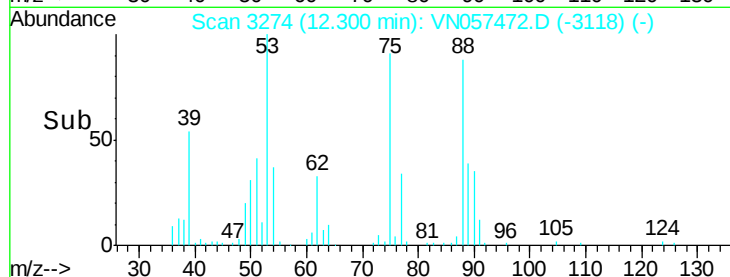
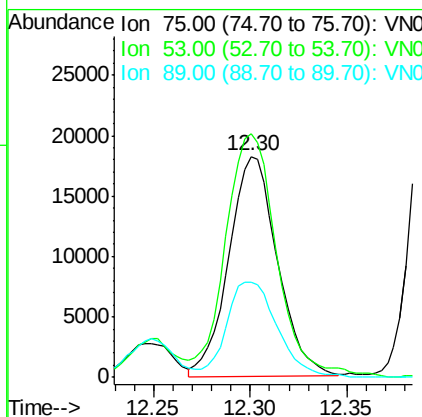
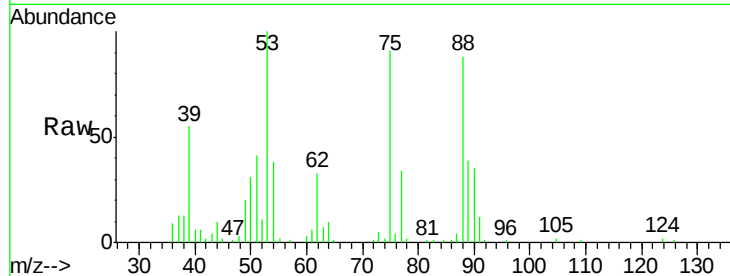
ClientSampleId :

VN0823WBSD01

Tot Ion:	75	Resp:	31964
Ion	Ratio	Lower	Upper
75	100		
53	107.6	55.6	166.9
89	42.3	23.8	71.4

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#78

4-Chlorotoluene

Concen: 17.013 ug/l

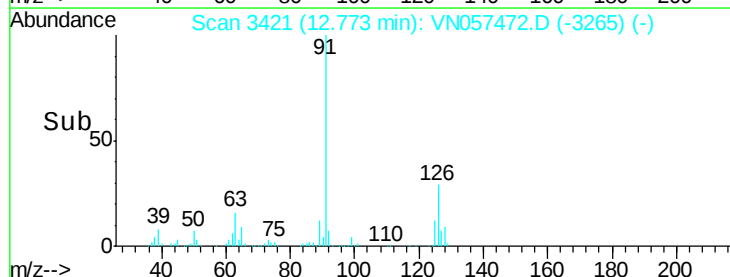
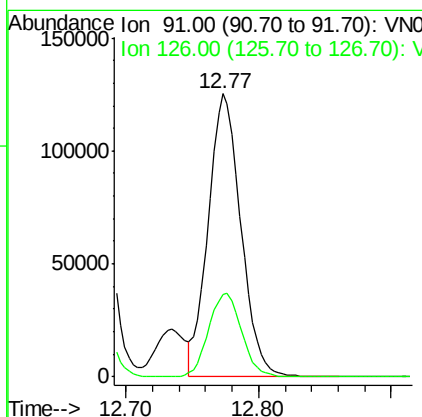
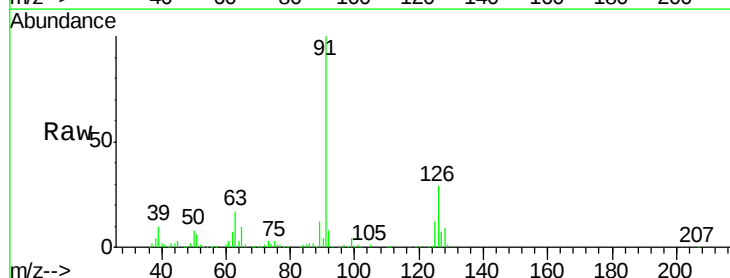
RT: 12.77 min Scan# 3421

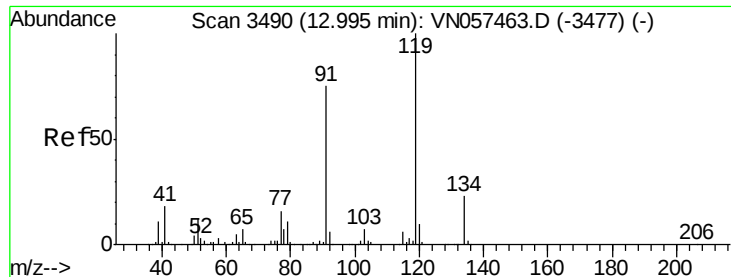
Delta R.T. 0.00 min

Lab File: VN057472.D

Acq: 23 Aug 2019 14:15

Tgt Ion:	91	Resp:	213329
Ion	Ratio	Lower	Upper
91	100		
126	30.0	0.0	61.6





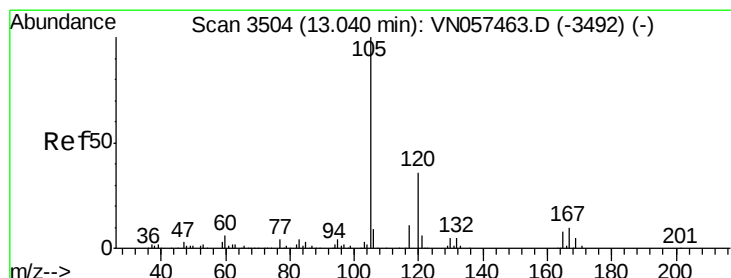
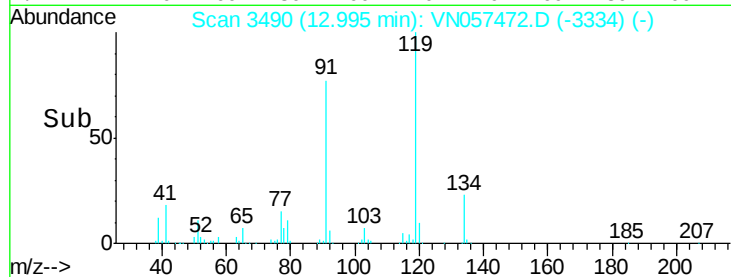
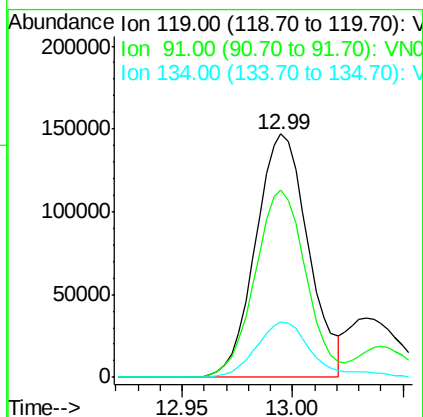
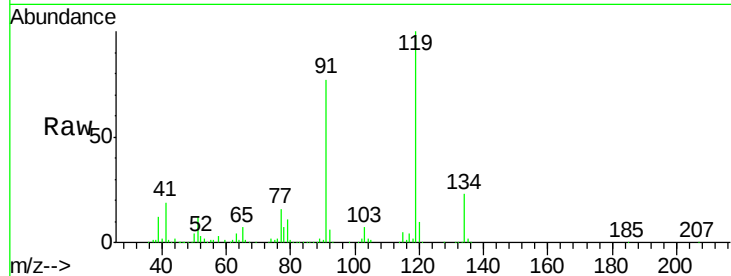
#79
tert-butylbenzene
Concen: 17.611 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN057472.D
Acq: 23 Aug 2019 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0823WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	243020		
91	75.0	0.0	146.6	
134	23.0	0.0	46.2	

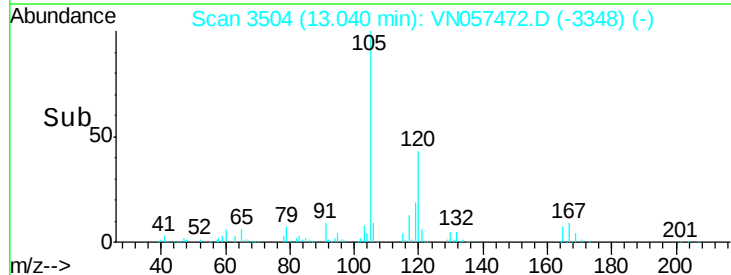
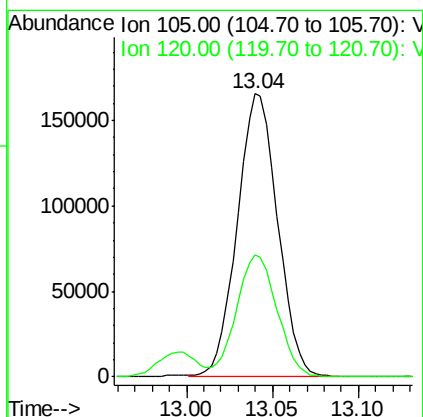
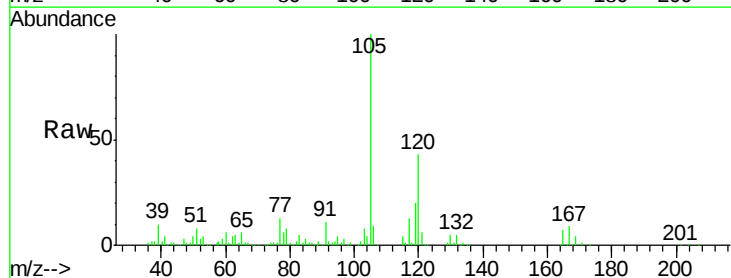
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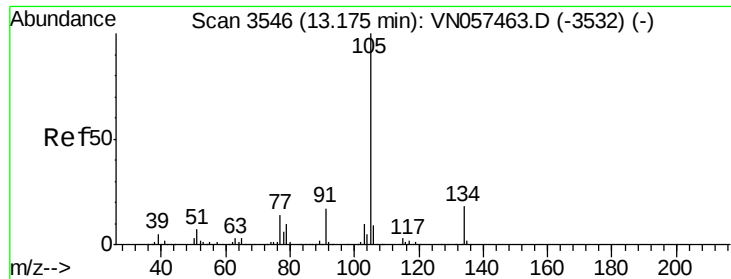
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#80
1,2,4-Trimethylbenzene
Concen: 17.853 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN057472.D
Acq: 23 Aug 2019 14:15

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	269923		
120	43.4	0.0	85.4	





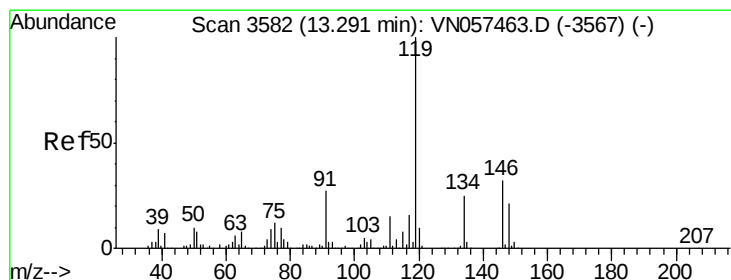
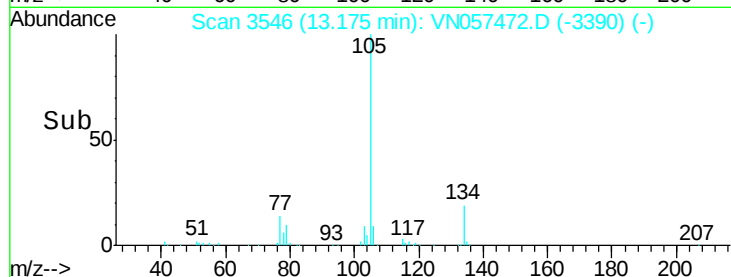
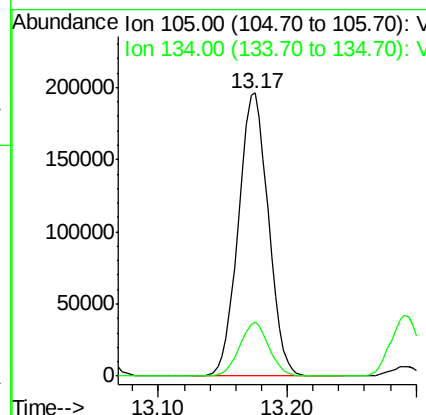
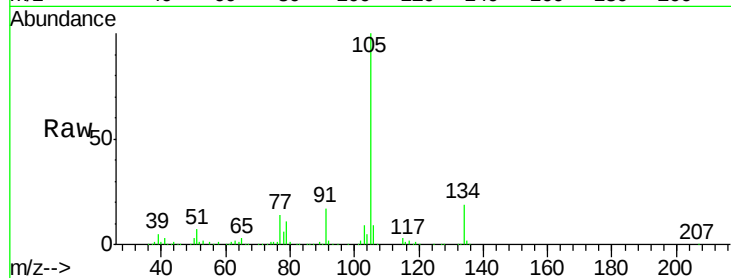
#81
 sec-Butylbenzene
 Concen: 17.397 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN057472.D
 Acq: 23 Aug 2019 14:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0823WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.5	0.0	36.0

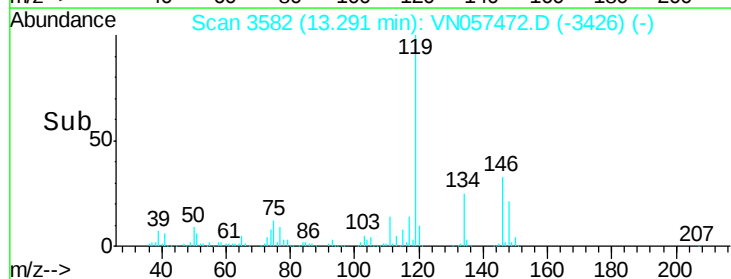
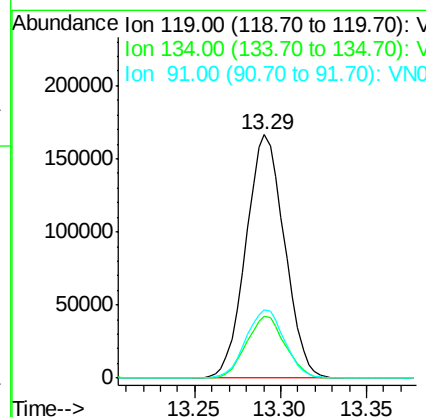
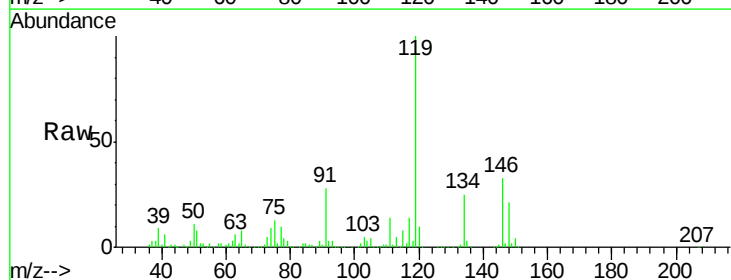
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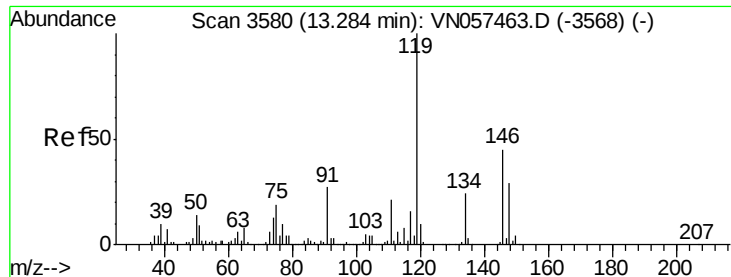
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#82
 p-Isopropyltoluene
 Concen: 16.978 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN057472.D
 Acq: 23 Aug 2019 14:15

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.4	0.0	49.6
91	28.3	0.0	55.2





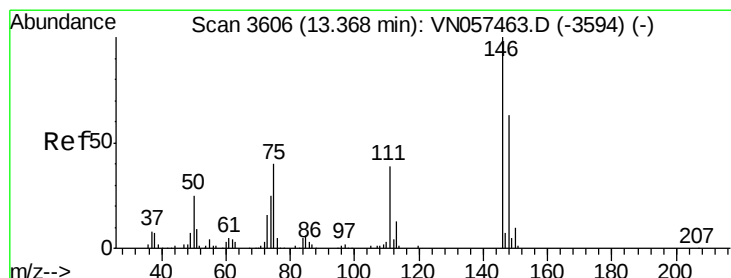
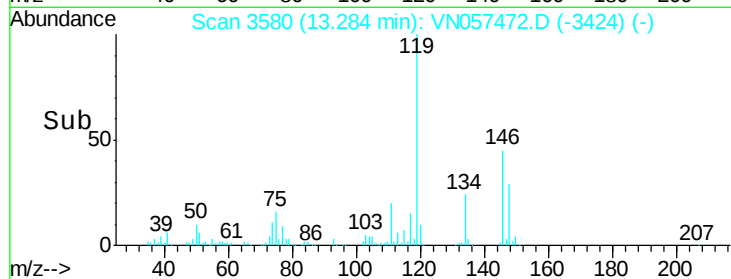
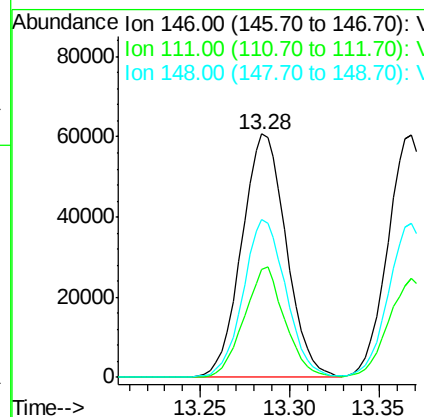
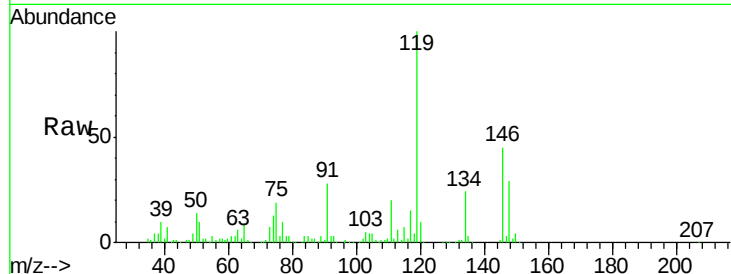
#83
 1,3-Dichlorobenzene
 Concen: 17.004 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN057472.D
 Acq: 23 Aug 2019 14:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0823WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	22.4	67.0
148	62.4	31.8	95.4

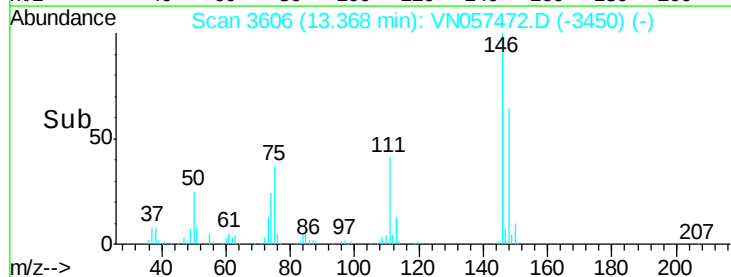
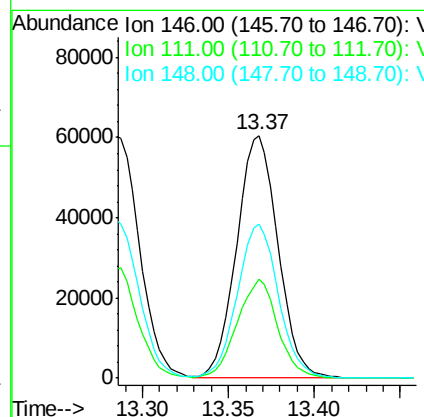
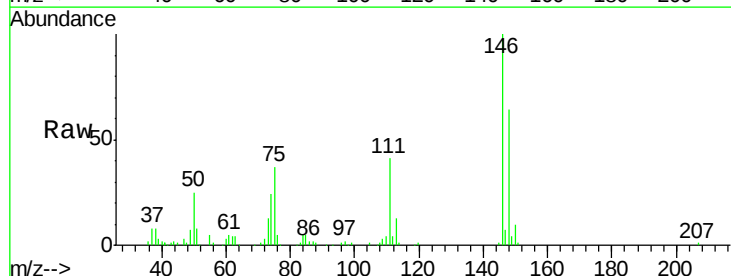
Manual Integrations
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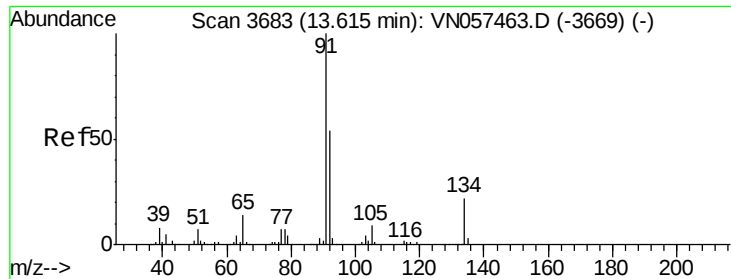
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 8/26/2019 1:12:24 PM



#84
 1,4-Dichlorobenzene
 Concen: 16.683 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN057472.D
 Acq: 23 Aug 2019 14:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.5	61.5
148	63.3	31.9	95.7





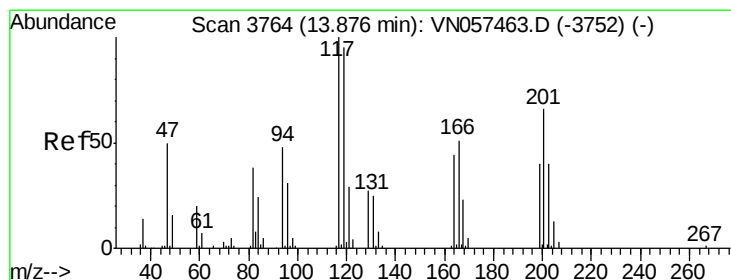
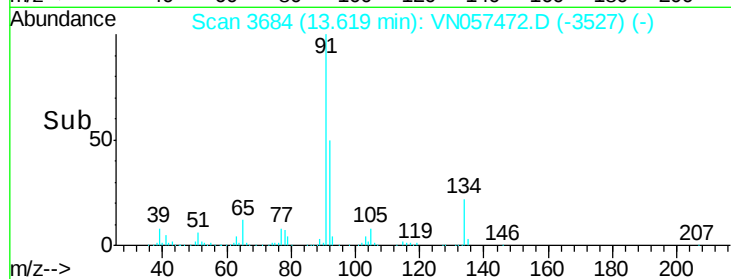
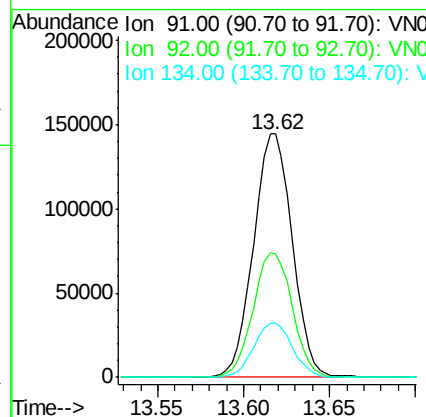
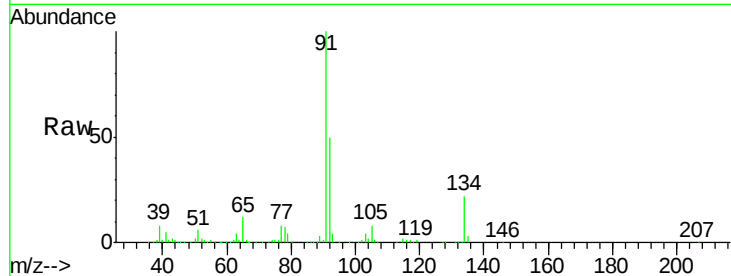
#85
n-Butylbenzene
Concen: 16.974 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN057472.D
Acq: 23 Aug 2019 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0823WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	226231		
92	51.8	0.0	105.6	
134	22.3	0.0	46.0	

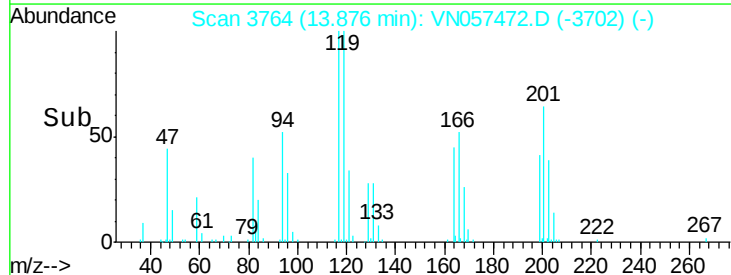
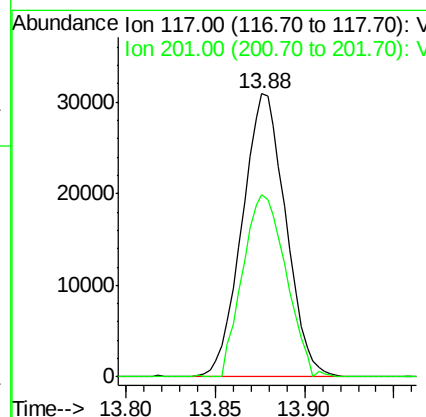
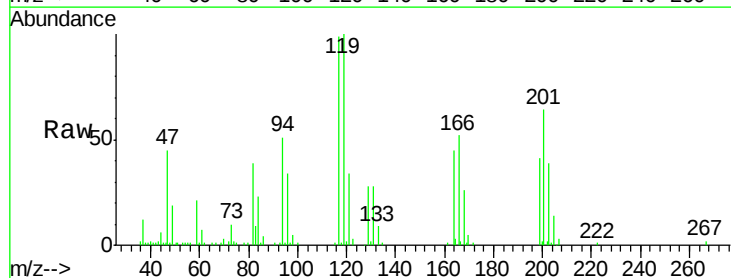
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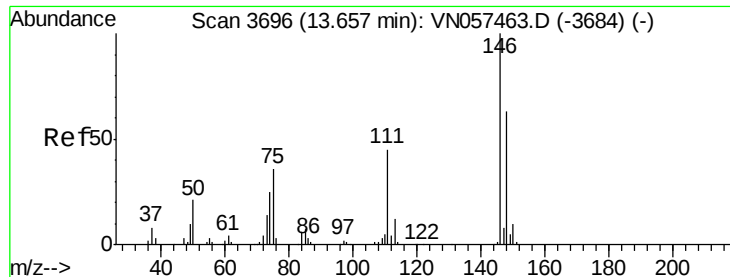
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#86
Hexachloroethane
Concen: 17.132 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN057472.D
Acq: 23 Aug 2019 14:15

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	52846		
201	63.3	34.0	101.8	





#87

1,2-Dichlorobenzene

Concen: 16.899 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN057472.D

Acq: 23 Aug 2019 14:15

Instrument :

MSVOA_N

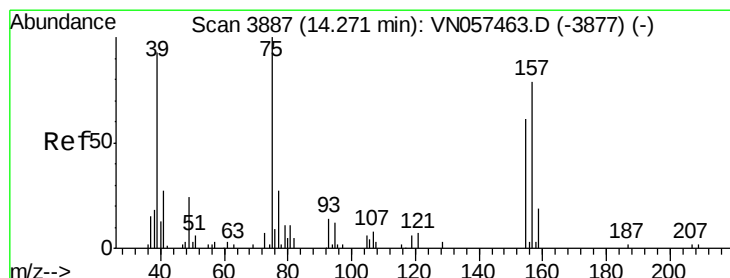
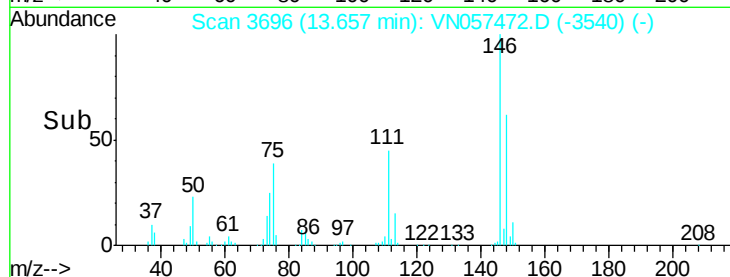
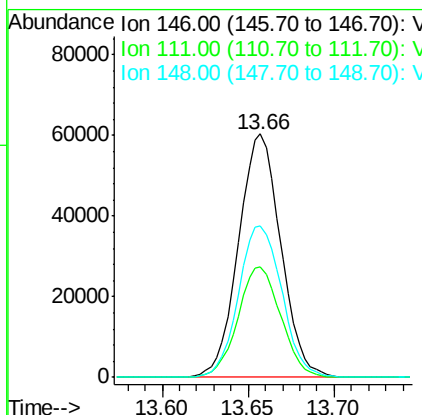
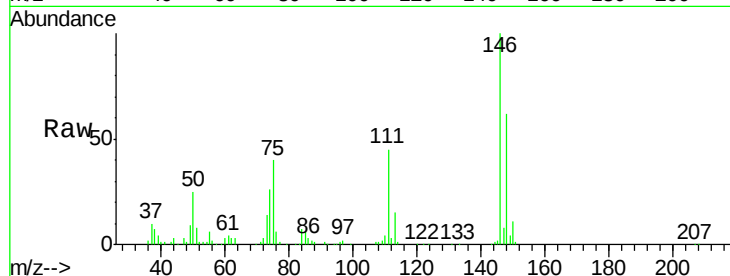
ClientSampleId :

VN0823WBSD01

Tot Ion:	146	Resp:	103338
Ion Ratio	Lower	Upper	
146	100		
111	45.8	22.5	67.5
148	63.7	30.9	92.7

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#88

1,2-Dibromo-3-Chloropropane

Concen: 17.177 ug/l

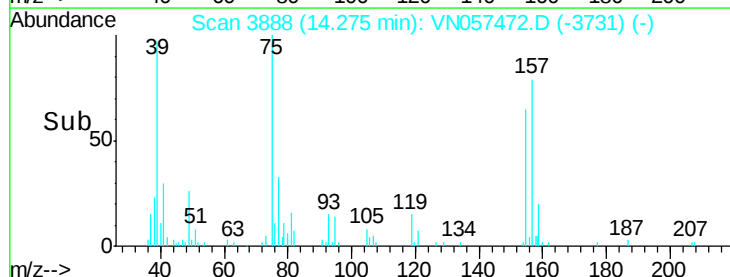
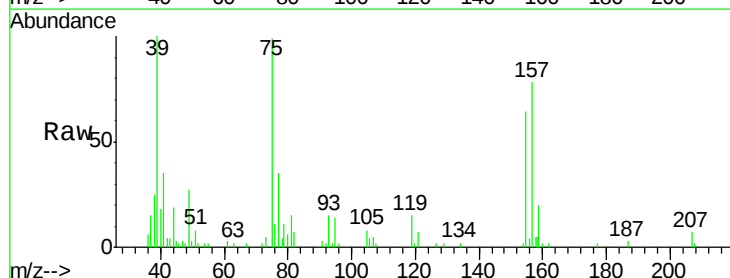
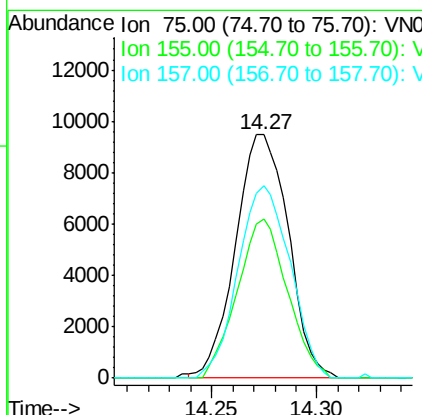
RT: 14.27 min Scan# 3888

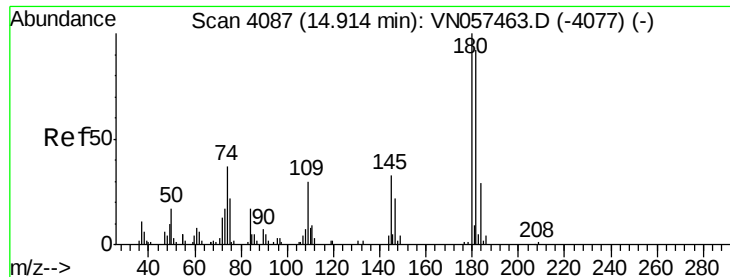
Delta R.T. 0.00 min

Lab File: VN057472.D

Acq: 23 Aug 2019 14:15

Tgt Ion:	75	Resp:	16473
Ion Ratio	Lower	Upper	
75	100		
155	62.1	53.7	80.5
157	78.0	63.5	95.3





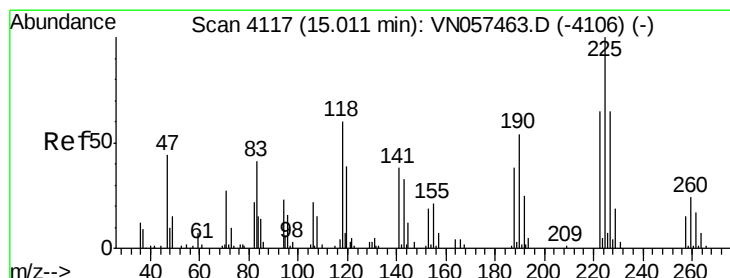
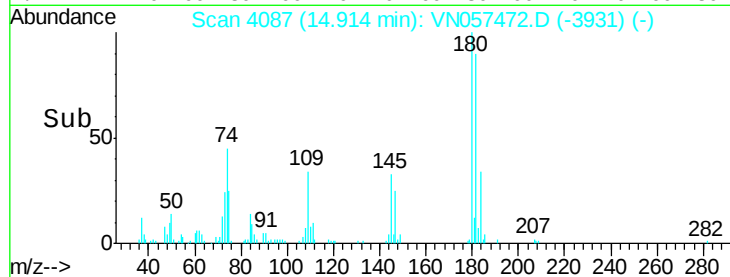
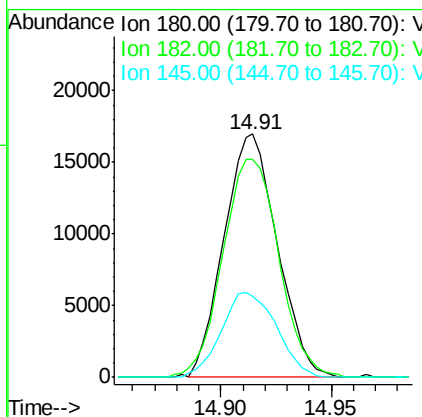
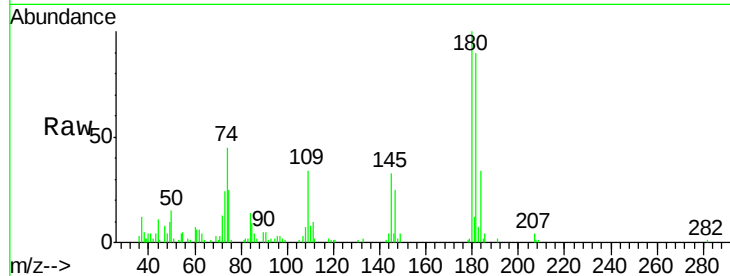
#89
1,2,4-Trichlorobenzene
Concen: 12.420 ug/l
RT: 14.91 min Scan# 4087
Delta R.T. 0.00 min
Lab File: VN057472.D
Acq: 23 Aug 2019 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0823WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	75.4	113.2
145	36.1	26.9	40.3

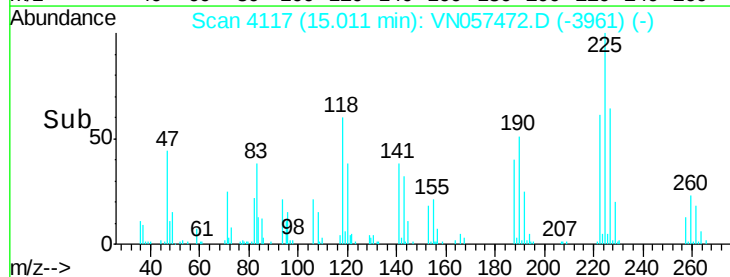
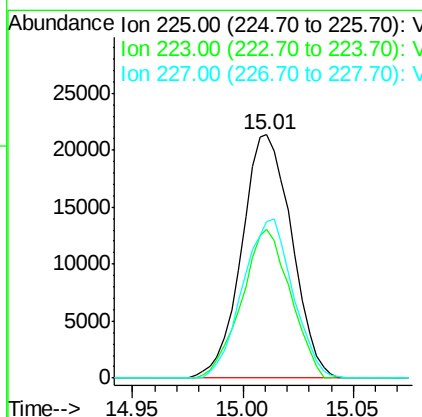
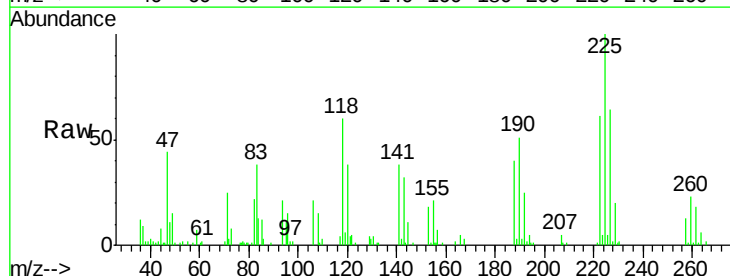
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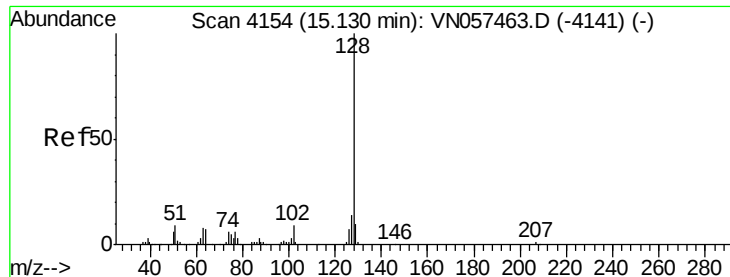
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#90
Hexachlorobutadiene
Concen: 19.138 ug/l
RT: 15.01 min Scan# 4117
Delta R.T. 0.00 min
Lab File: VN057472.D
Acq: 23 Aug 2019 14:15

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.2	0.0	123.6
227	65.5	0.0	126.6





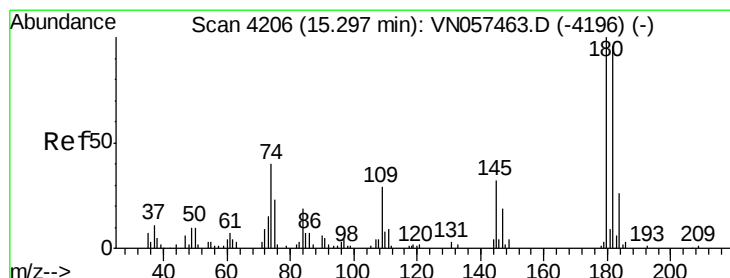
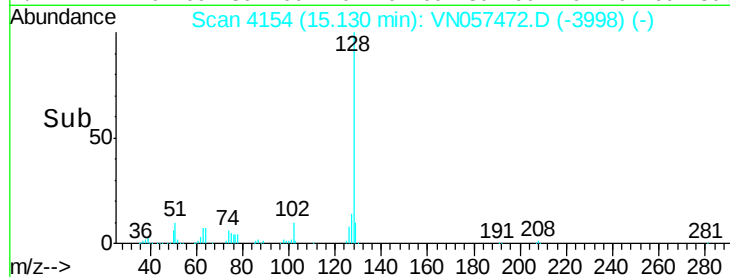
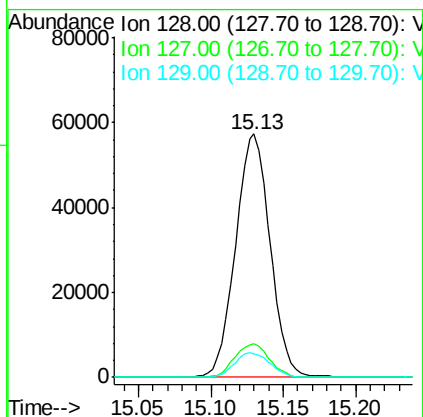
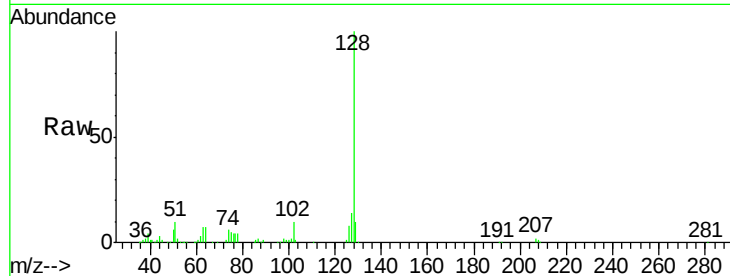
#91
Naphthalene
Concen: 18.337 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN057472.D
Acq: 23 Aug 2019 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0823WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.1	15.1
129	10.4	8.6	13.0

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 13.455 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN057472.D
Acq: 23 Aug 2019 14:15

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.5	0.0	187.0
145	36.2	0.0	64.4

