

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091819\
 Data File : VN058155.D
 Acq On : 18 Sep 2019 10:27
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 9/20/2019 1:14:24 PM

Quant Time: Sep 19 01:59:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 01:40:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	648263	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	1072362	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	985476	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	494855	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	455593	37.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.06%	
35) Dibromofluoromethane	7.58	113	334944	36.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	72.34%	
50) Toluene-d8	10.08	98	1335232	37.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.64%	
62) 4-Bromofluorobenzene	12.40	95	486301	35.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	70.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	243224	29.368	ug/l	100
3) Chloromethane	2.04	50	196891	23.461	ug/l	100
4) Vinyl Chloride	2.17	62	220410	24.843	ug/l	100
5) Bromomethane	2.54	94	113438	21.638	ug/l	100
6) Chloroethane	2.68	64	144294	25.387	ug/l	100
7) Trichlorofluoromethane	3.00	101	320053	28.358	ug/l	100
8) Diethyl Ether	3.39	74	155817	32.482	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	236657	32.817	ug/l	100
10) Methyl Iodide	3.93	142	210181	27.491	ug/l	100
11) Tert butyl alcohol	4.75	59	262648	179.494	ug/l	100
12) 1,1-Dichloroethene	3.72	96	191692	29.644	ug/l	100
13) Acrolein	3.58	56	39849	36.015	ug/l	100
14) Allyl chloride	4.30	41	397211	31.236	ug/l	100
15) Acrylonitrile	4.96	53	701921	170.798	ug/l	100
16) Acetone	3.79	43	698684	172.958	ug/l	100
17) Carbon Disulfide	4.03	76	256403	21.751	ug/l	100
18) Methyl Acetate	4.30	43	369789	34.204	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	946812	34.994	ug/l	100
20) Methylene Chloride	4.53	84	256411	29.202	ug/l	100
21) trans-1,2-Dichloroethene	5.02	96	209169	29.921	ug/l	100
22) Diisopropyl ether	5.93	45	1047933	35.143	ug/l	100
23) Vinyl Acetate	5.87	43	3822666	181.935	ug/l	100
24) 1,1-Dichloroethane	5.83	63	539974	33.180	ug/l	100
25) 2-Butanone	6.81	43	1029975	176.031	ug/l	100
26) 2,2-Dichloropropane	6.81	77	457827	35.450	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	310649	32.997	ug/l	100
28) Bromochloromethane	7.18	49	278655	34.286	ug/l	100
29) Tetrahydrofuran	7.19	42	612197	169.779	ug/l	100
30) Chloroform	7.36	83	580452	34.019	ug/l	100
31) Cyclohexane	7.64	56	365330	30.475	ug/l	100
32) 1,1,1-Trichloroethane	7.55	97	466862	34.526	ug/l	100
36) 1,1-Dichloropropene	7.78	75	350385	30.066	ug/l	100
37) Ethyl Acetate	6.91	43	398425	32.983	ug/l	100
38) Carbon Tetrachloride	7.76	117	369647	34.596	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	364413	29.820	ug/l	100
40) Benzene	8.03	78	1117193	31.841	ug/l	100
41) Methacrylonitrile	7.16	41	201702m	36.824	ug/l	
42) 1,2-Dichloroethane	8.11	62	469405	33.341	ug/l	100
43) Isopropyl Acetate	8.15	43	712786	35.075	ug/l	100
44) Trichloroethene	8.82	130	277184	32.118	ug/l	100
45) 1,2-Dichloropropane	9.11	63	345907	33.754	ug/l	100
46) Dibromomethane	9.20	93	207991	33.622	ug/l	100
47) Bromodichloromethane	9.39	83	454754	36.916	ug/l	100
48) Methyl methacrylate	9.19	41	342649	33.428	ug/l	100
49) 1,4-Dioxane	9.19	88	116033	666.161	ug/l	100
51) 4-Methyl-2-Pentanone	9.98	43	2155219	181.252	ug/l	100
52) Toluene	10.15	92	715508	32.413	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	481652	37.206	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	518960	36.288	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	326167	34.838	ug/l	100
56) Ethyl methacrylate	10.43	69	496420	35.391	ug/l	100
57) 1,3-Dichloropropane	10.71	76	556934	34.507	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1253079	191.490	ug/l	100
59) 2-Hexanone	10.75	43	1589027	178.741	ug/l	100
60) Dibromochloromethane	10.90	129	334757	38.562	ug/l	100
61) 1,2-Dibromoethane	11.00	107	302861	34.309	ug/l	100
64) Tetrachloroethene	10.63	164	222416	32.364	ug/l	100
65) Chlorobenzene	11.43	112	828555	34.150	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	321555	38.098	ug/l	100
67) Ethyl Benzene	11.51	91	1493087	35.150	ug/l	100
68) m/p-Xylenes	11.62	106	1098680	70.637	ug/l	100
69) o-Xylene	11.95	106	543200	35.237	ug/l	100
70) Styrene	11.97	104	976315	36.807	ug/l	100
71) Bromoform	12.13	173	214568	40.929	ug/l #	100
73) Isopropylbenzene	12.25	105	1553330	41.884	ug/l	100
74) N-amyl acetate	12.07	43	675801	42.107	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	508721	40.765	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	423488m	39.439	ug/l	
77) Bromobenzene	12.53	156	368611	39.652	ug/l	100
78) n-propylbenzene	12.59	91	1811275	42.594	ug/l	100
79) 2-Chlorotoluene	12.68	91	1084470	40.250	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	1349044	43.004	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	137774	45.356	ug/l	100
82) 4-Chlorotoluene	12.78	91	1154731	41.728	ug/l	100
83) tert-Butylbenzene	13.00	119	1178203	42.268	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1348691	42.421	ug/l	100
85) sec-Butylbenzene	13.18	105	1590169	43.100	ug/l	100
86) p-Isopropyltoluene	13.29	119	1436819	44.258	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	703497	41.428	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	714622	41.316	ug/l	100
89) n-Butylbenzene	13.62	91	1366291	44.411	ug/l	100
90) Hexachloroethane	13.88	117	223930	46.119	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	715169	42.041	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.28	75	95483	46.133	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	466458	41.500	ug/l	100
94) Hexachlorobutadiene	15.01	225	216304	44.882	ug/l	100
95) Naphthalene	15.13	128	1287018	39.964	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	447500	40.703	ug/l	100

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

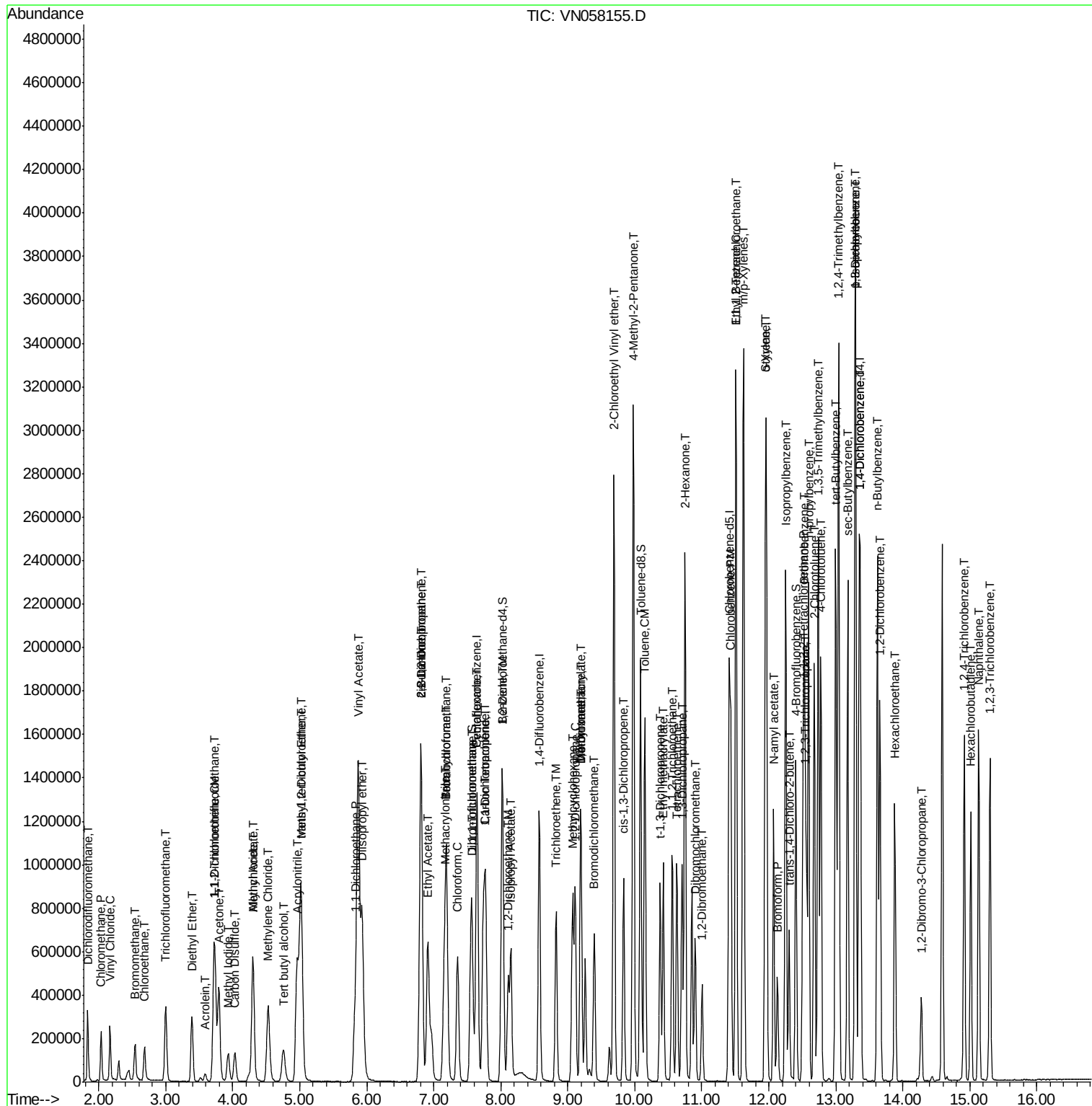
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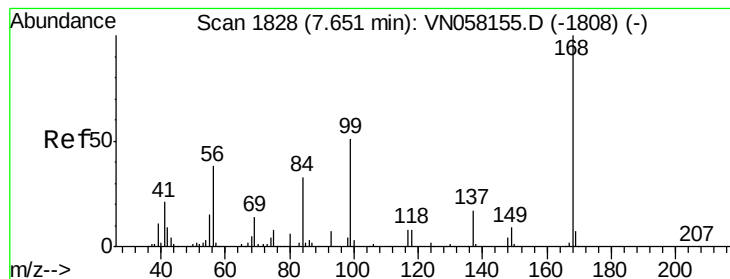
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058155.D

Acq: 18 Sep 2019 10:27

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion:168 Resp: 648263

Ion Ratio Lower Upper

168 100

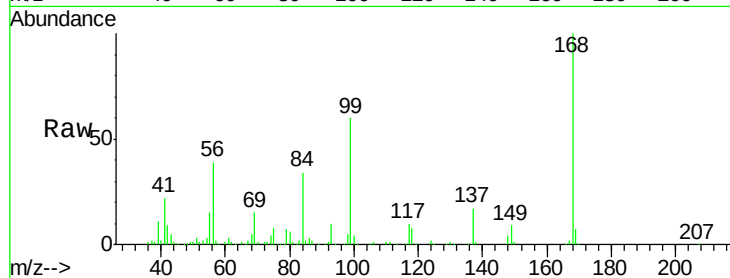
99 59.3 47.4 71.2

Manual Integrations

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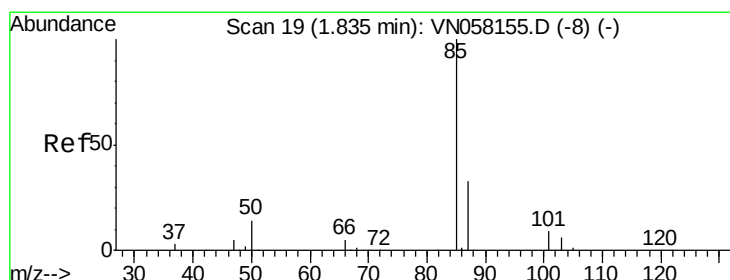
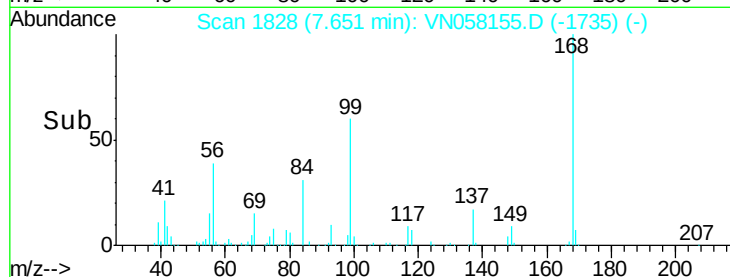
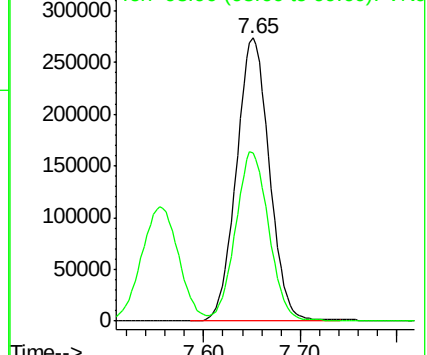
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 29.368 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058155.D

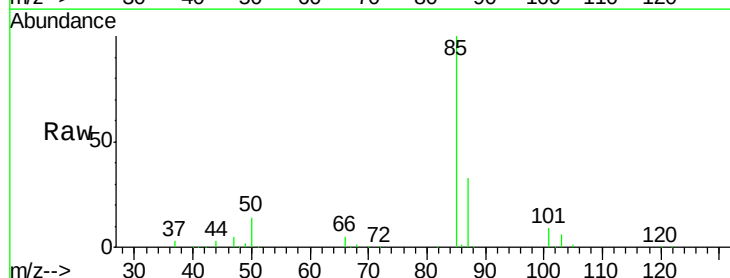
Acq: 18 Sep 2019 10:27

Tgt Ion: 85 Resp: 243224

Ion Ratio Lower Upper

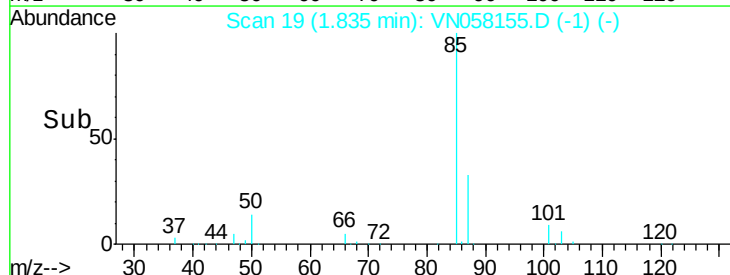
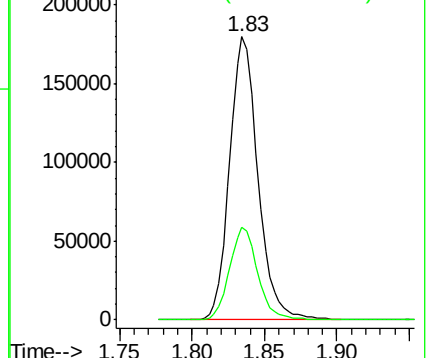
85 100

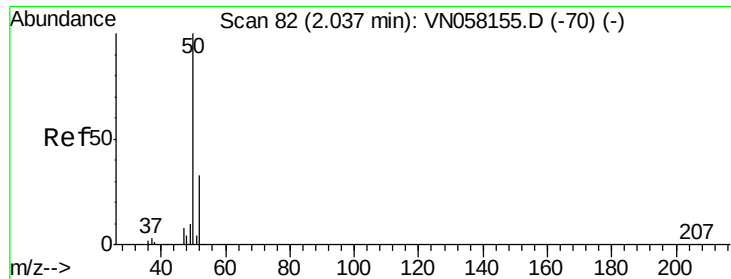
87 32.6 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 23.461 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058155.D

Acq: 18 Sep 2019 10:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 196891

Ion Ratio Lower Upper

50 100

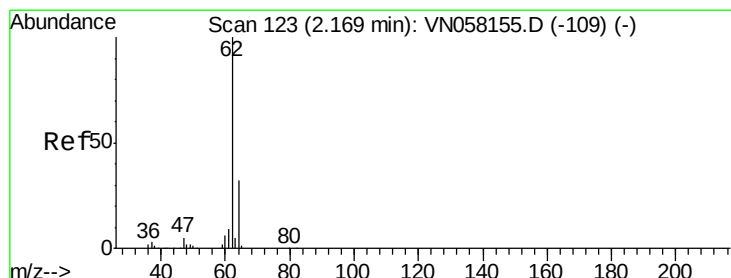
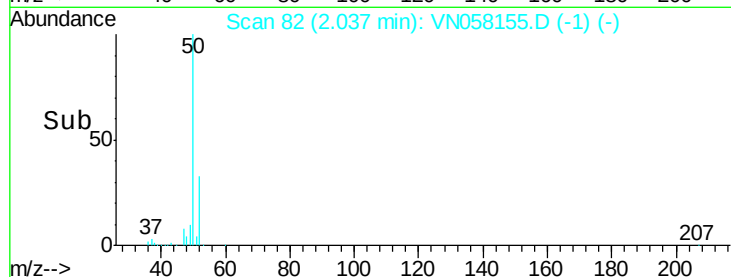
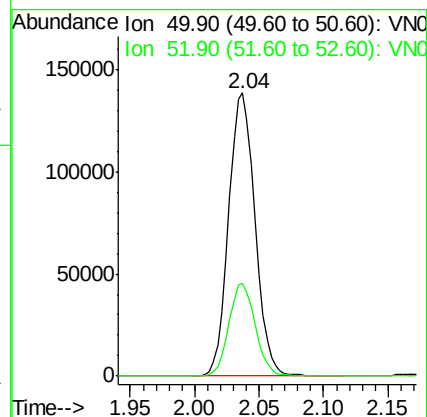
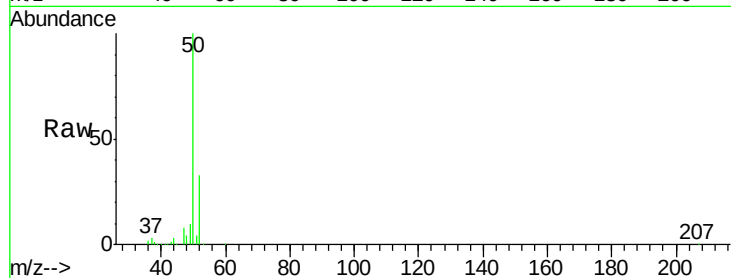
52 32.9 26.3 39.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 24.843 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058155.D

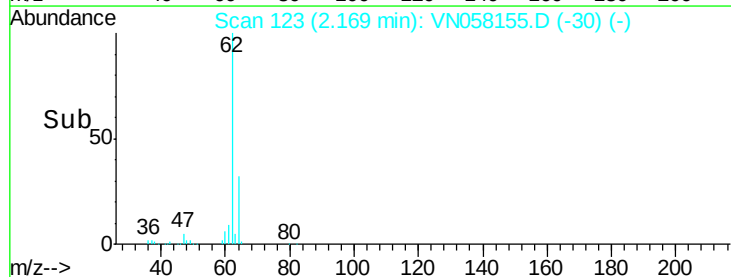
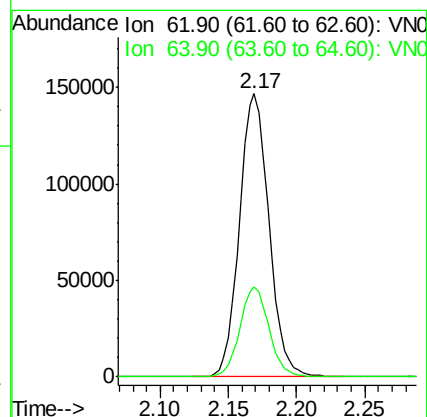
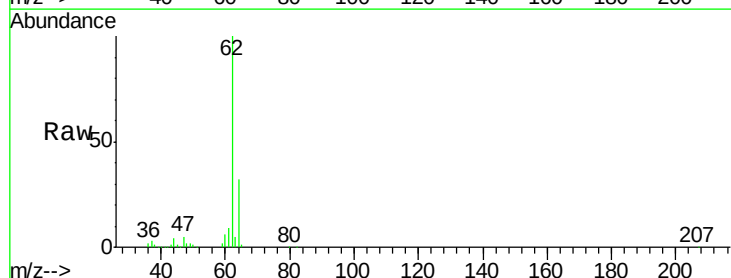
Acq: 18 Sep 2019 10:27

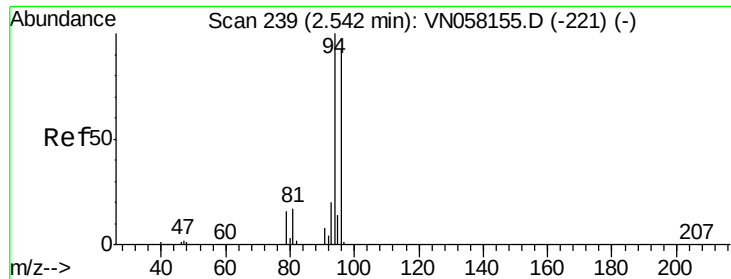
Tgt Ion: 62 Resp: 220410

Ion Ratio Lower Upper

62 100

64 31.8 25.4 38.2





#5

Bromomethane

Concen: 21.638 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN058155.D

Acq: 18 Sep 2019 10:27

Instrument :

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Tot Ion: 94 Resp: 113438

Ion Ratio Lower Upper

94 100

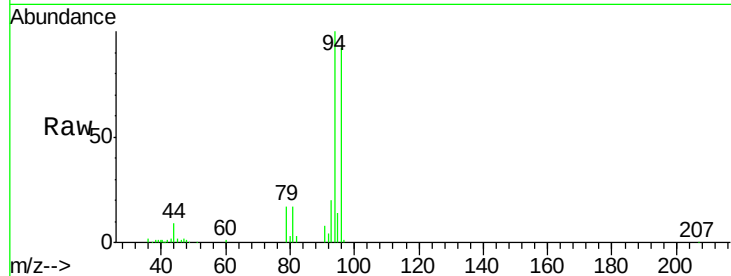
96 91.6 73.3 109.9

Manual Integrations

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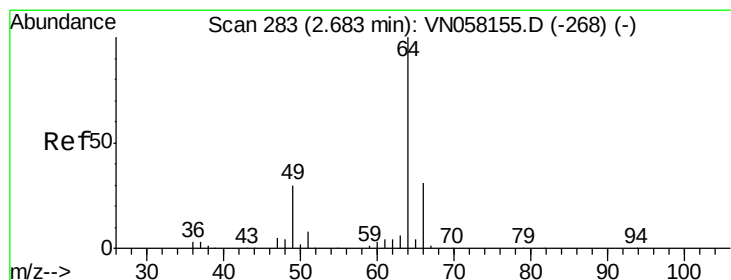
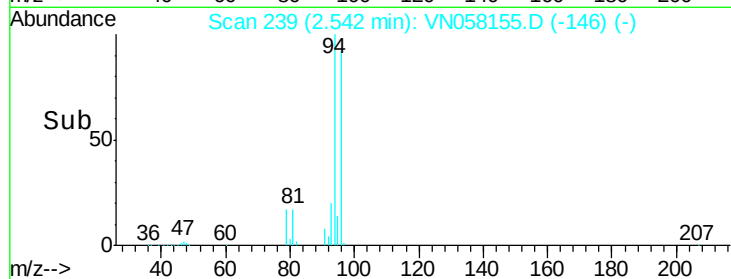
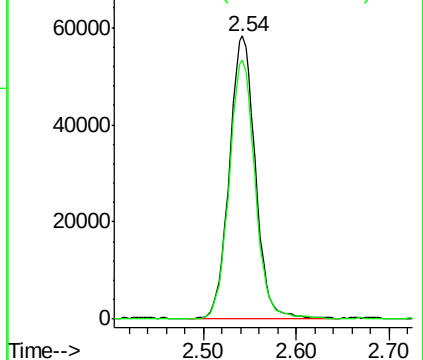
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 25.387 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

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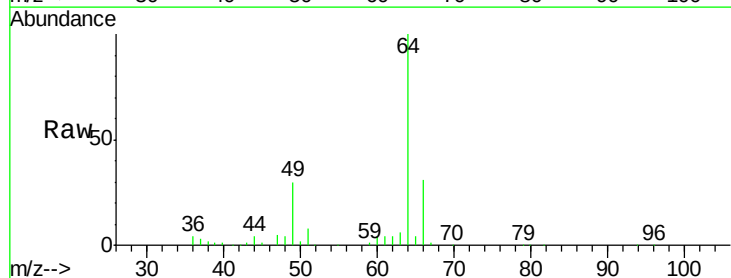
Acq: 18 Sep 2019 10:27

Tgt Ion: 64 Resp: 144294

Ion Ratio Lower Upper

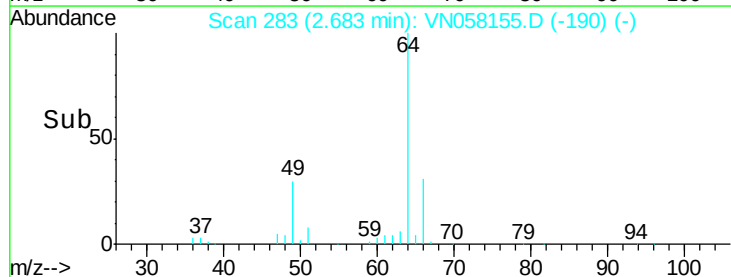
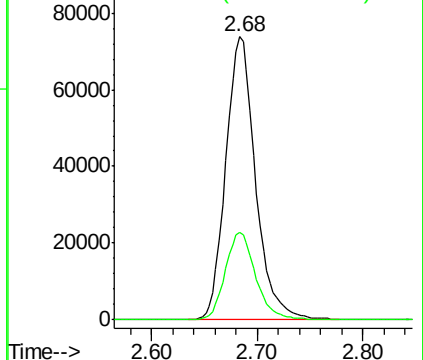
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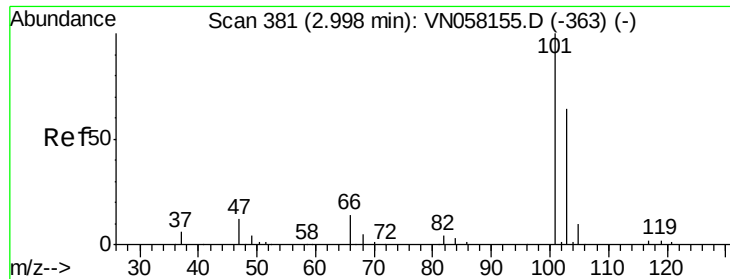
66 30.8 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

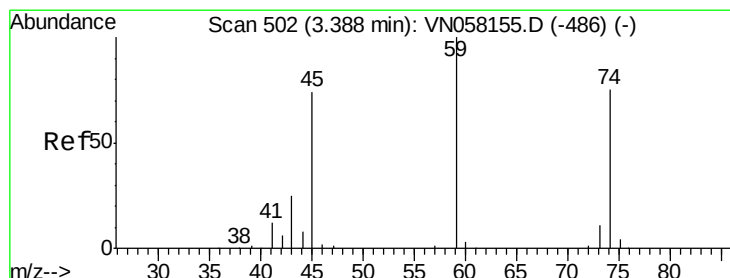
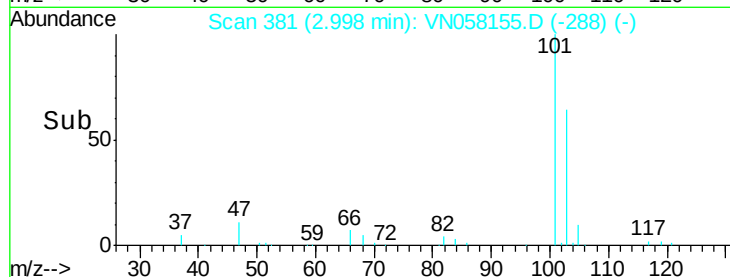
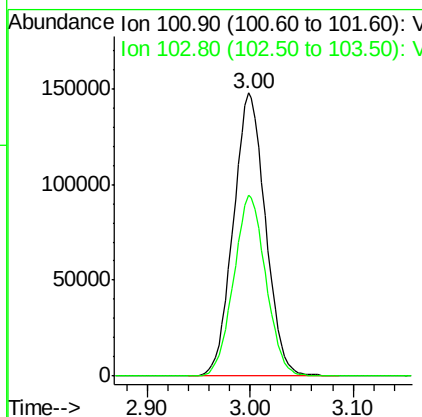
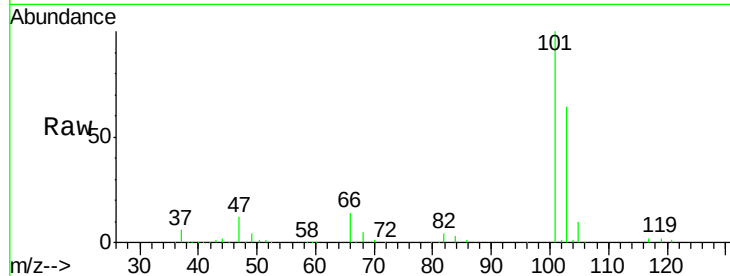
Trichlorofluoromethane
 Concen: 28.358 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.8	51.0	76.6

Manual Integrations
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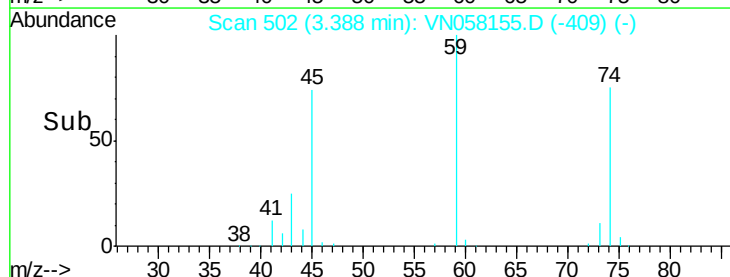
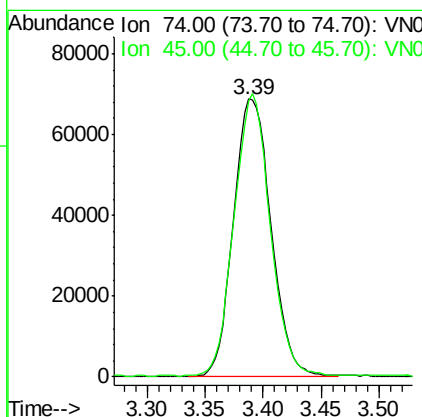
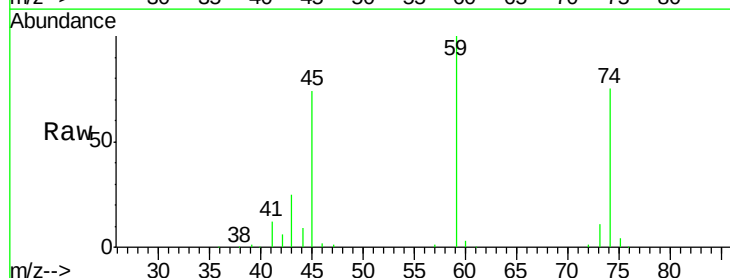
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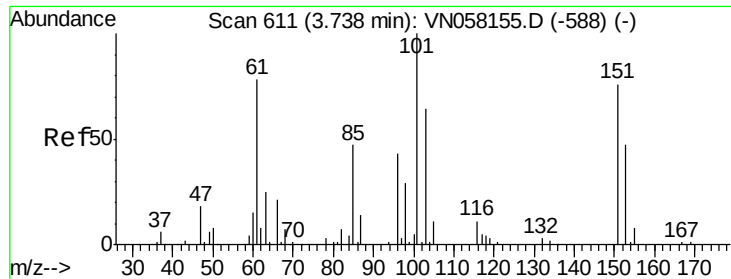


#8

Diethyl Ether
 Concen: 32.482 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. 0.00 min
 Lab File: VN058155.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.0	48.5	145.5





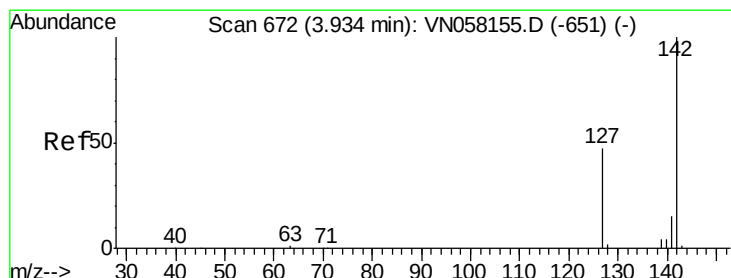
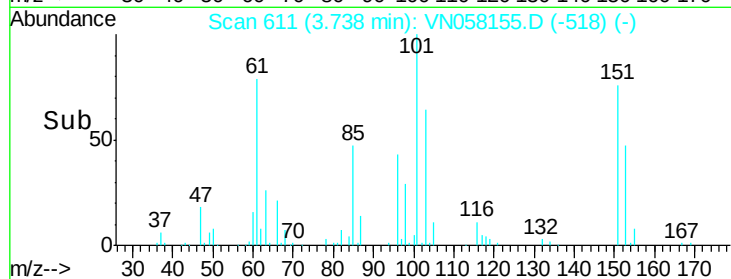
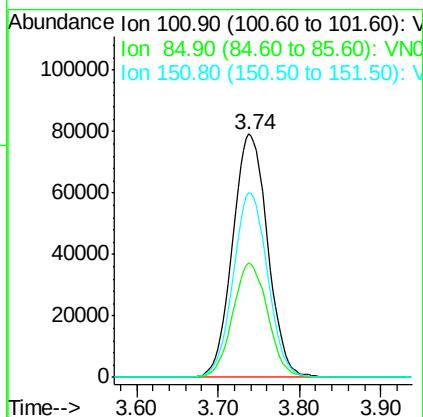
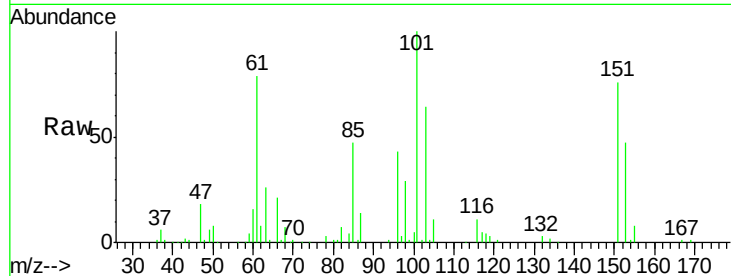
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 32.817 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	236657		
85	46.6	37.3	55.9	
151	74.5	59.6	89.4	

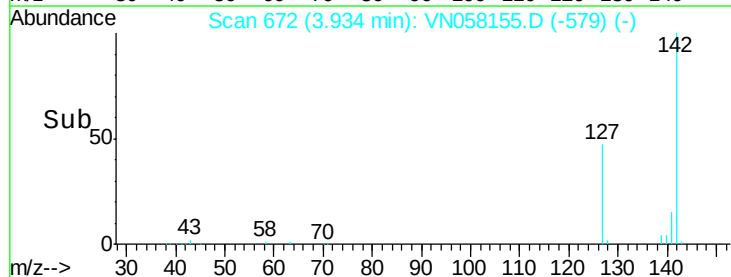
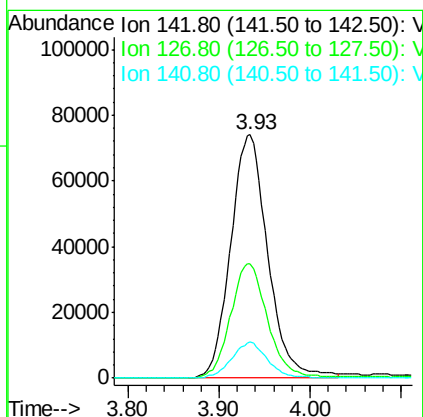
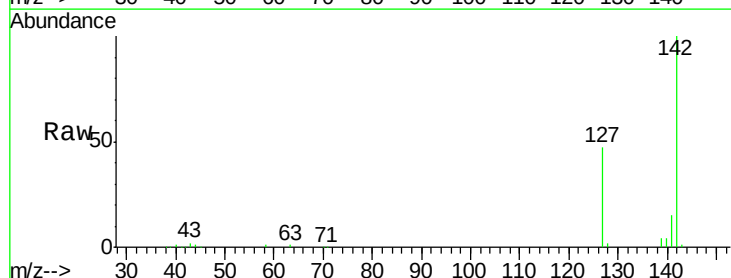
Manual Integrations
 APPROVED

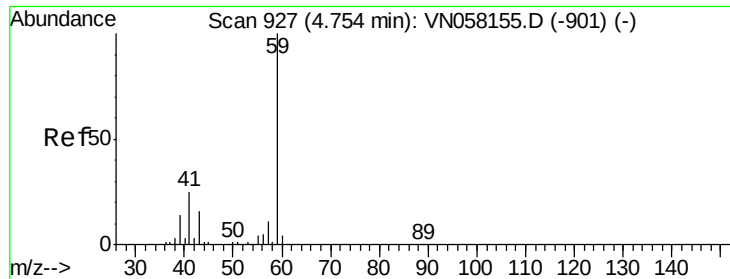
MMDadoda
 9/20/2019 1:14:24 PM



#10
 Methyl Iodide
 Concen: 27.491 ug/l
 RT: 3.93 min Scan# 672
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	210181		
127	46.9	37.5	56.3	
141	14.3	11.4	17.2	





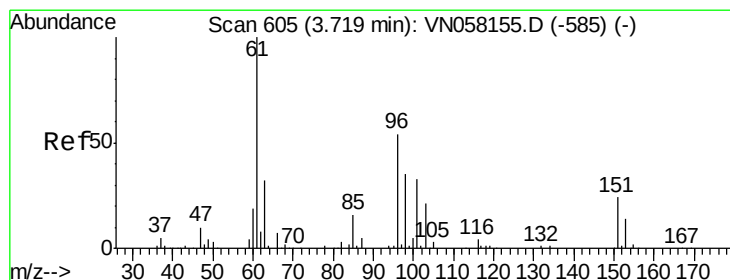
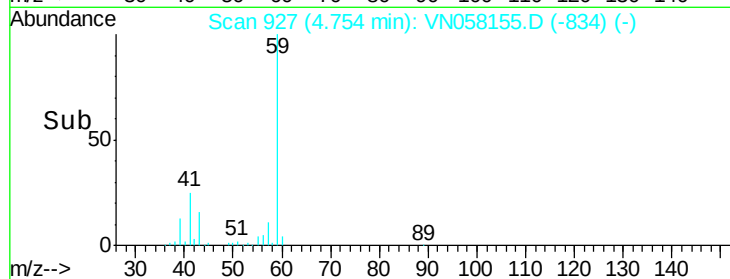
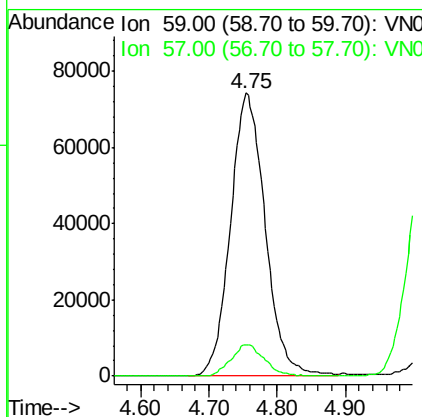
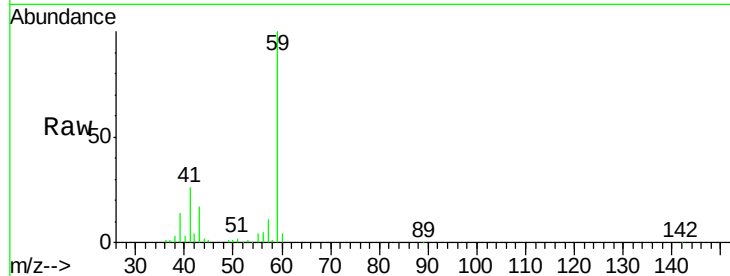
#11
Tert butyl alcohol
Concen: 179.494 ug/l
RT: 4.75 min Scan# 927
Delta R.T. 0.00 min
Lab File: VN058155.D
Acq: 18 Sep 2019 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.6	13.0

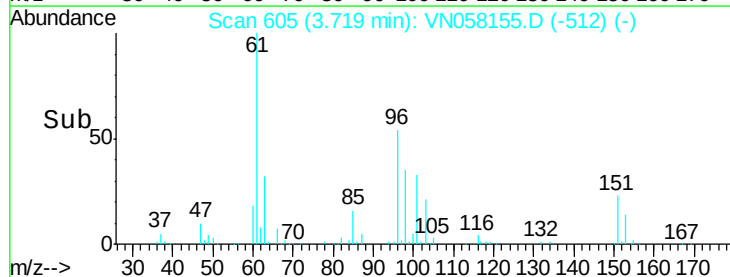
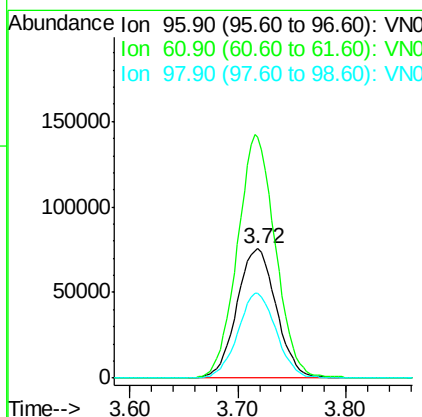
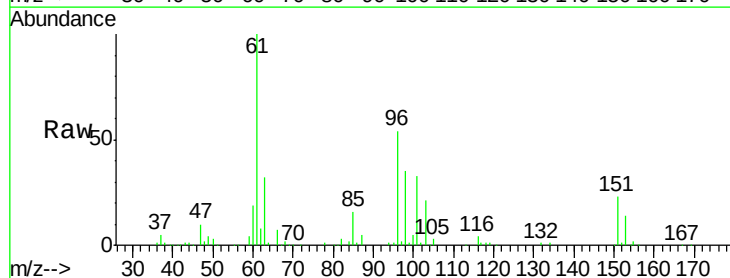
Manual Integrations
APPROVED

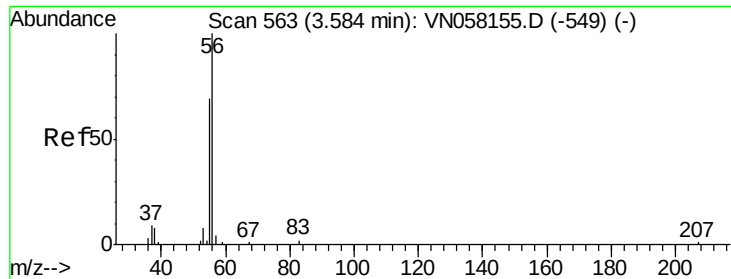
MMDadoda
9/20/2019 1:14:24 PM



#12
1,1-Dichloroethene
Concen: 29.644 ug/l
RT: 3.72 min Scan# 605
Delta R.T. 0.00 min
Lab File: VN058155.D
Acq: 18 Sep 2019 10:27

Tgt Ion	Ratio	Lower	Upper
96	100		
61	186.9	149.5	224.3
98	65.5	52.4	78.6





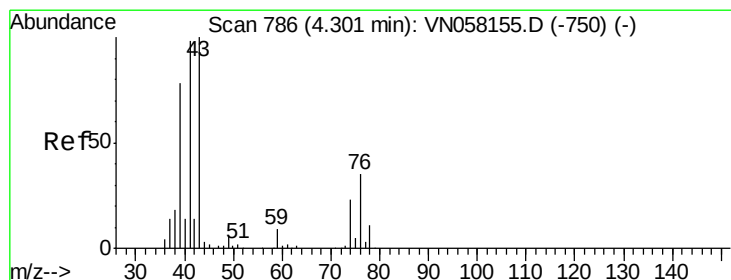
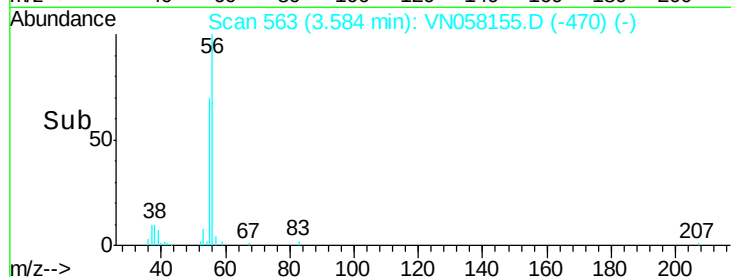
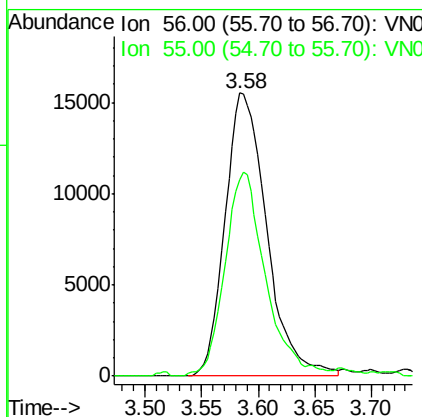
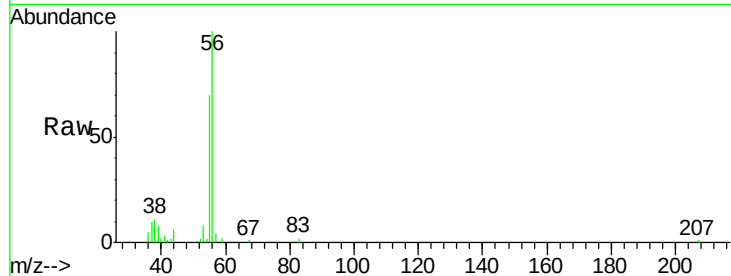
#13
Acrolein
Concen: 36.015 ug/l
RT: 3.58 min Scan# 563
Delta R.T. 0.00 min
Lab File: VN058155.D
Acq: 18 Sep 2019 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	56	Resp	39849
Ion Ratio	Lower	Upper	
56	100		
55	70.1	56.1	84.1

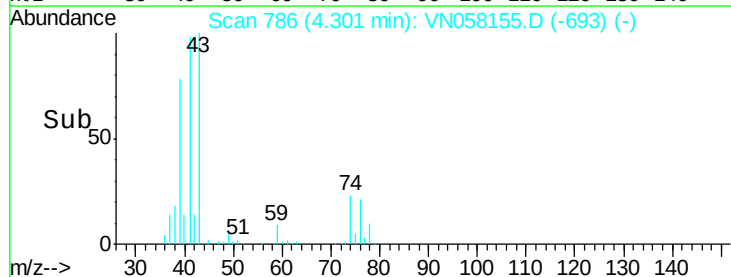
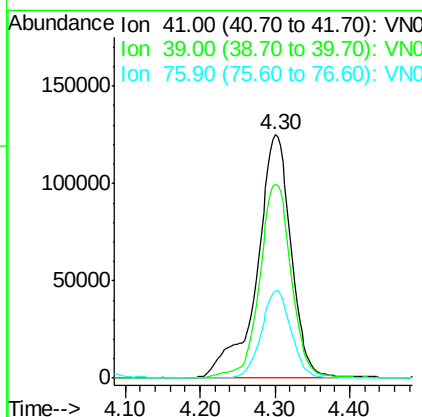
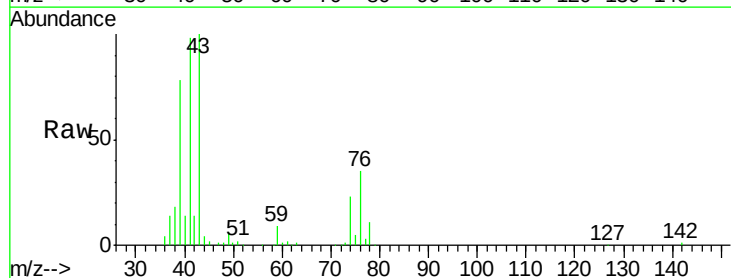
Manual Integrations
APPROVED

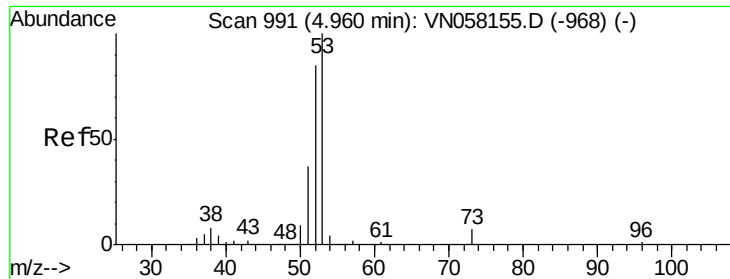
MMDadoda
9/20/2019 1:14:24 PM



#14
Allyl chloride
Concen: 31.236 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN058155.D
Acq: 18 Sep 2019 10:27

Tgt Ion	41	Resp	397211
Ion Ratio	Lower	Upper	
41	100		
39	73.9	59.1	88.7
76	31.4	25.1	37.7





#15

Acrylonitrile

Concen: 170.798 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN058155.D

Acq: 18 Sep 2019 10:27

Instrument :

MSVOA_N

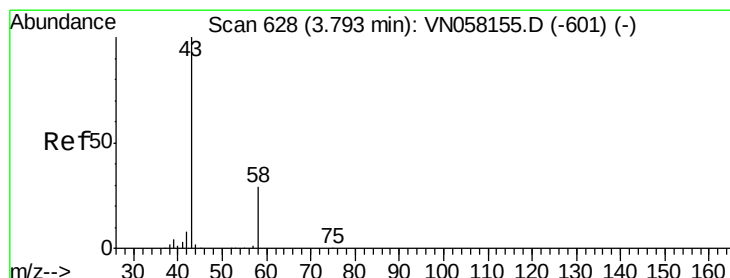
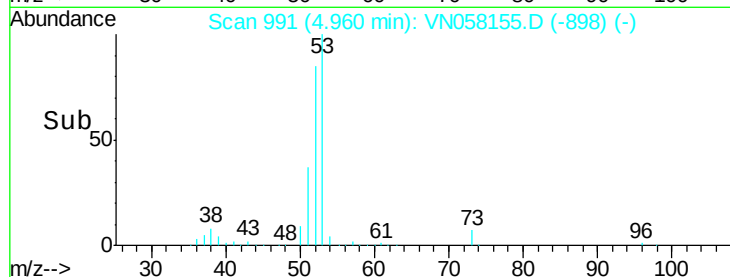
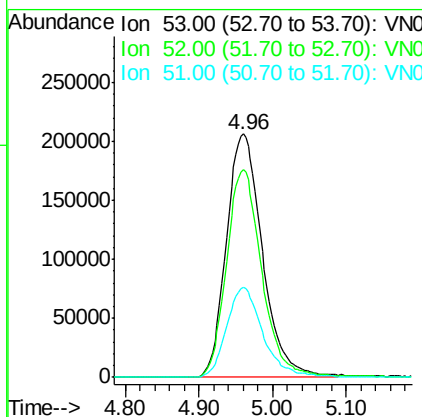
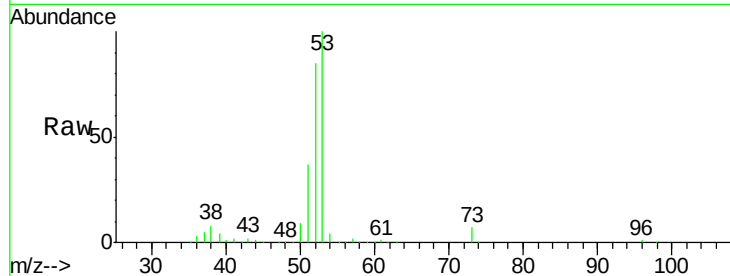
ClientSampled :

VSTDICCC050

Tot Ion:	53	Resp:	701921
Ion Ratio	Lower	Upper	
53	100		
52	83.3	66.6	100.0
51	37.1	29.7	44.5

Manual Integrations
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#16

Acetone

Concen: 172.958 ug/l

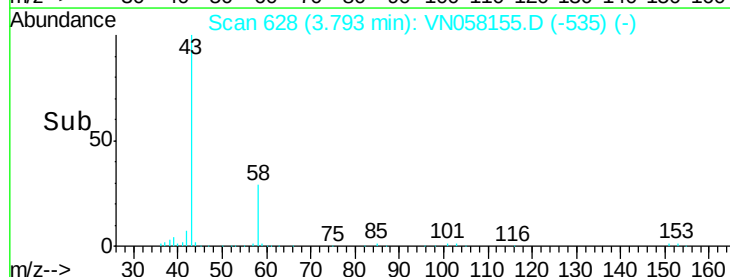
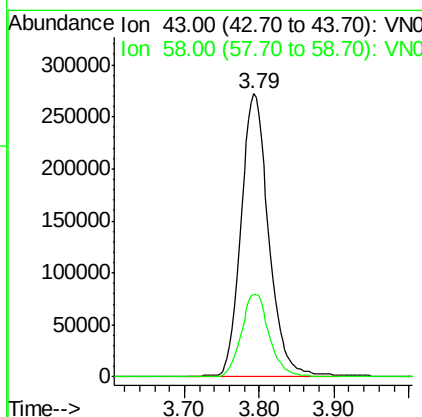
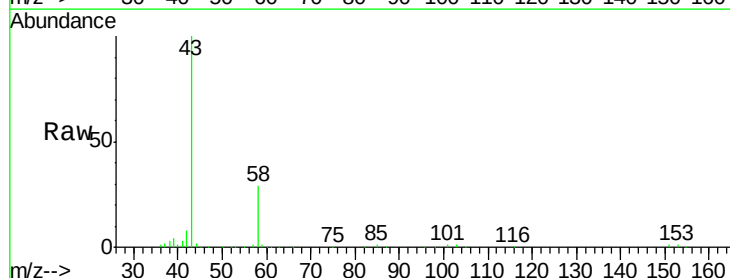
RT: 3.79 min Scan# 628

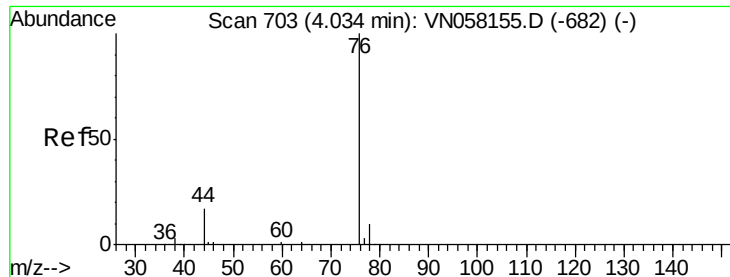
Delta R.T. 0.00 min

Lab File: VN058155.D

Acq: 18 Sep 2019 10:27

Tgt Ion:	43	Resp:	698684
Ion Ratio	Lower	Upper	
43	100		
58	29.3	23.4	35.2





#17

Carbon Disulfide

Concen: 21.751 ug/l

RT: 4.03 min Scan# 703

Delta R.T. 0.00 min

Lab File: VN058155.D

Acq: 18 Sep 2019 10:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 256403

Ion Ratio Lower Upper

76 100

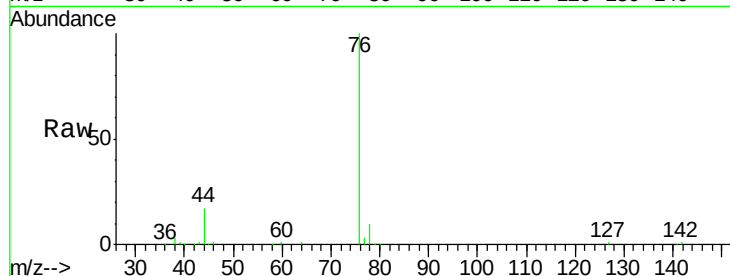
78 9.6 7.7 11.5

Manual Integrations

APPROVED

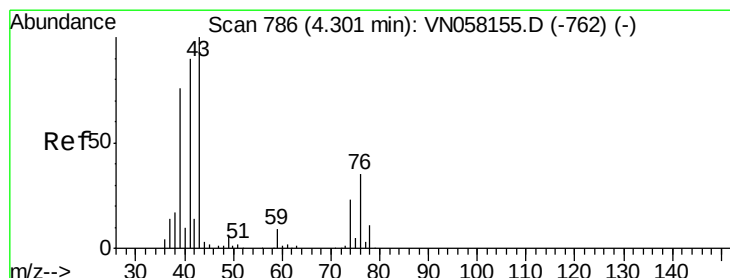
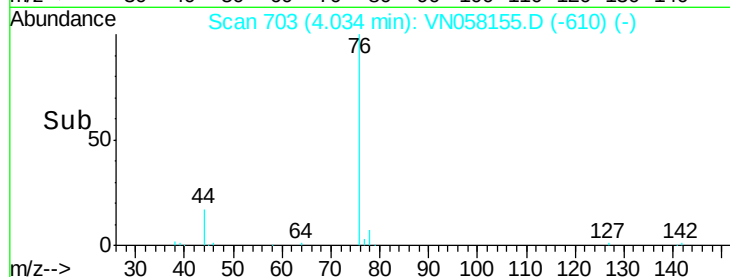
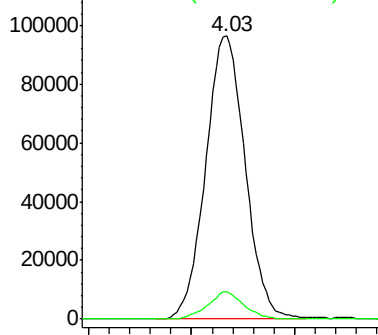
MMDadoda

9/20/2019 1:14:24 PM



Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC



#18

Methyl Acetate

Concen: 34.204 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058155.D

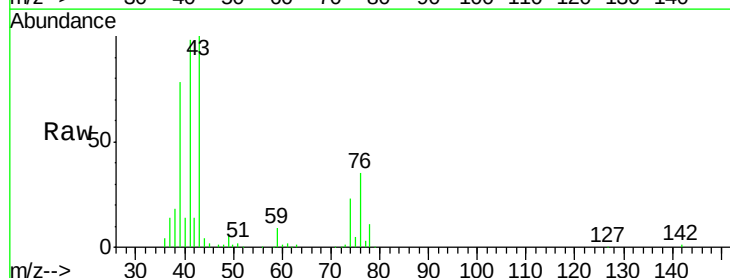
Acq: 18 Sep 2019 10:27

Tgt Ion: 43 Resp: 369789

Ion Ratio Lower Upper

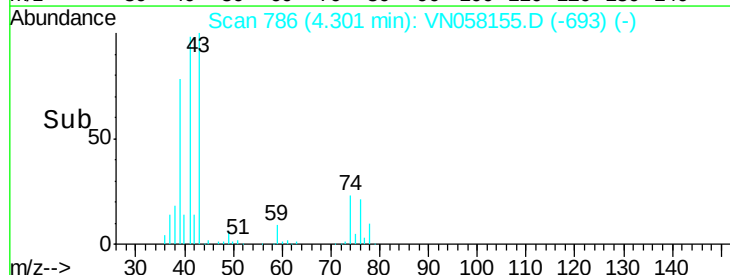
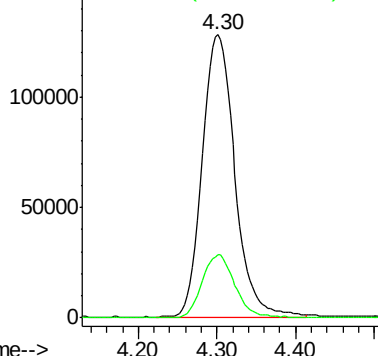
43 100

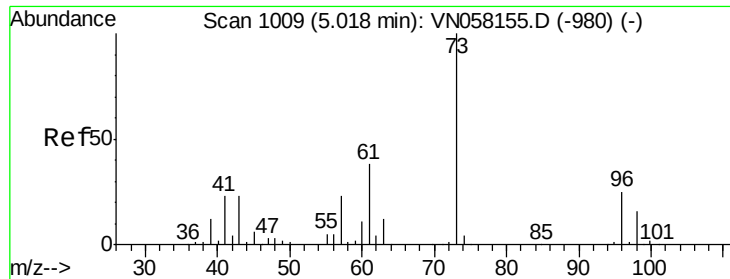
74 22.5 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC





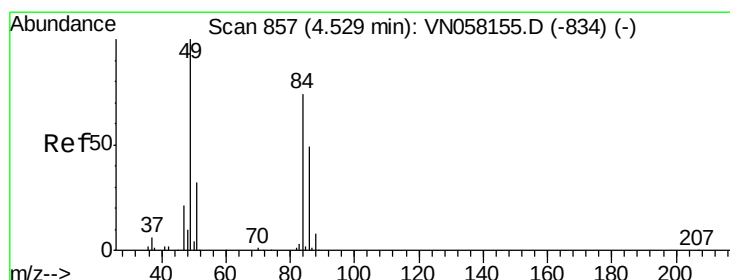
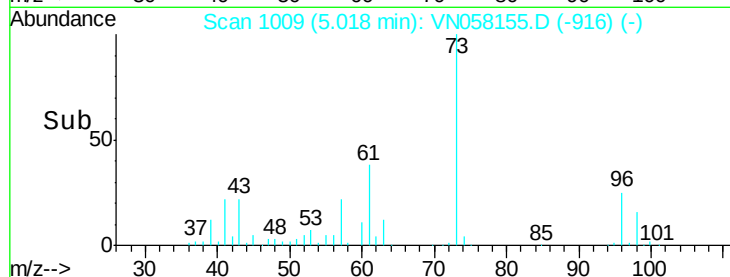
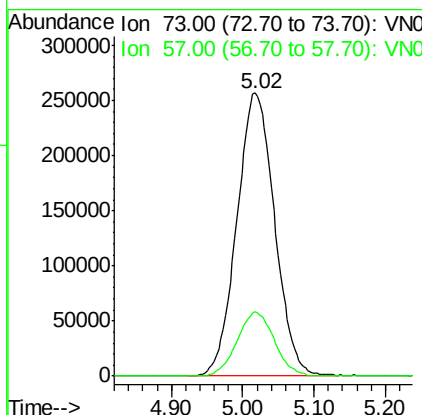
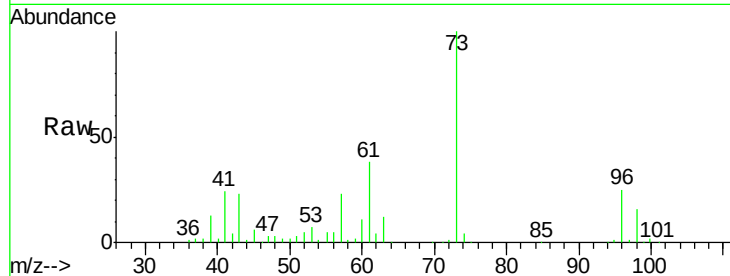
#19
Methyl tert-butyl Ether
Concen: 34.994 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058155.D
Acq: 18 Sep 2019 10:27

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion: 73 Resp: 946812
Ion Ratio Lower Upper
73 100
57 22.6 18.1 27.1

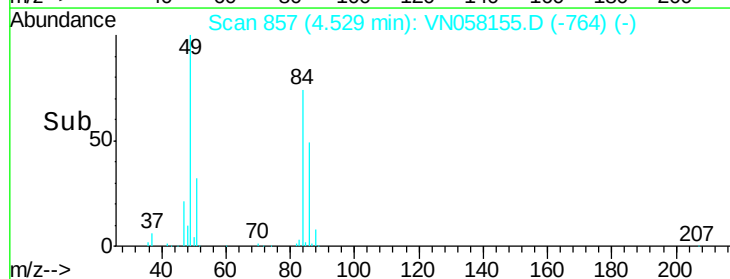
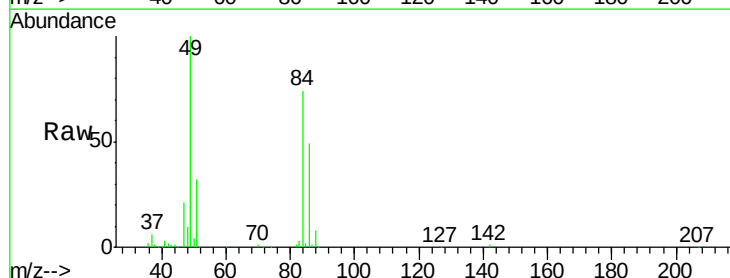
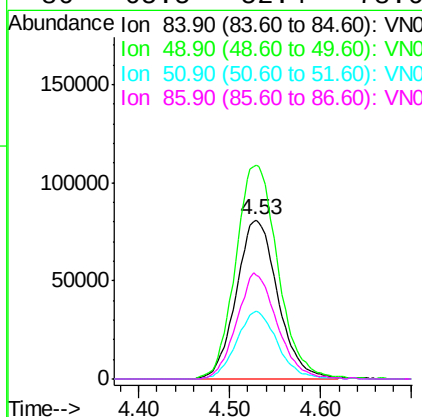
Manual Integrations
APPROVED

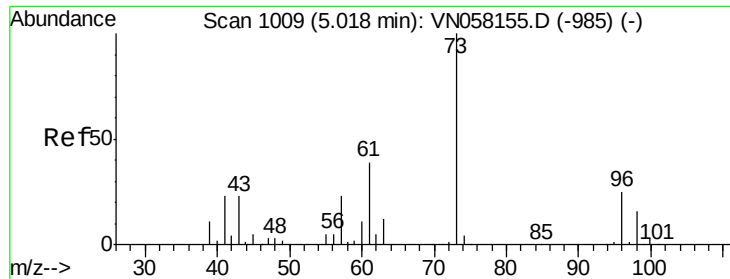
MMDadoda
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#20
Methylene Chloride
Concen: 29.202 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058155.D
Acq: 18 Sep 2019 10:27

Tgt Ion: 84 Resp: 256411
Ion Ratio Lower Upper
84 100
49 134.4 107.5 161.3
51 42.4 33.9 50.9
86 65.5 52.4 78.6





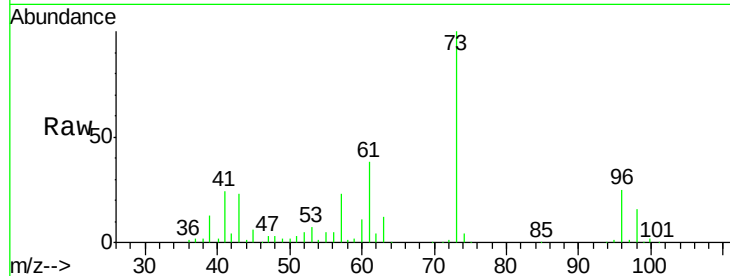
#21
trans-1,2-Dichloroethene
Concen: 29.921 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058155.D
Acq: 18 Sep 2019 10:27

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	152.8	122.2	183.4
98	62.4	49.9	74.9

Manual Integrations
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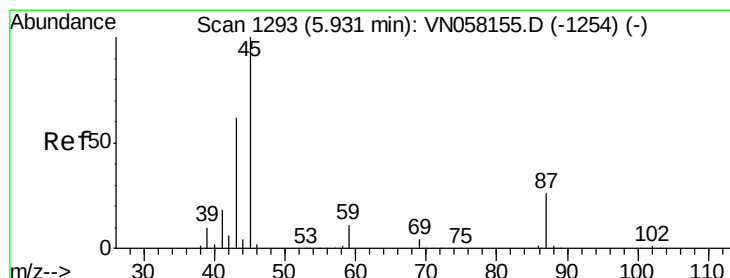
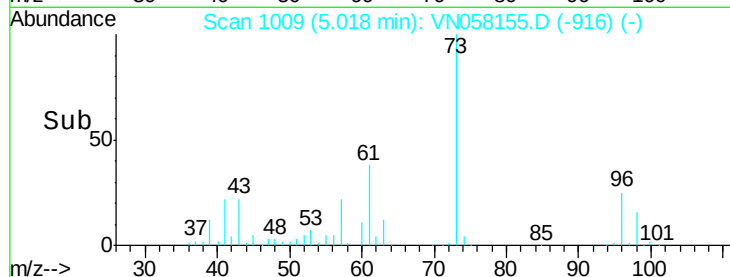
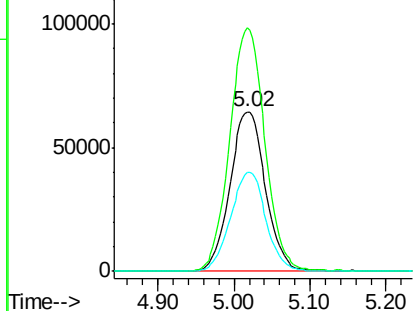


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22
Diisopropyl ether
Concen: 35.143 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VN058155.D
Acq: 18 Sep 2019 10:27

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.1	49.7	74.5
87	25.9	20.7	31.1
59	11.4	9.1	13.7

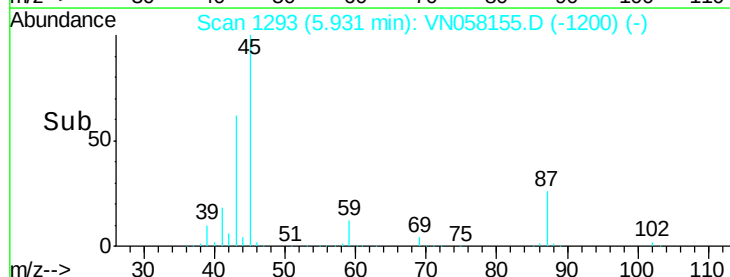
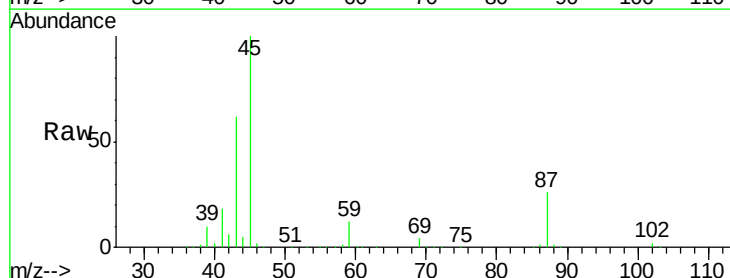
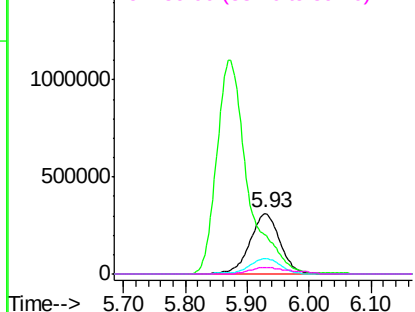
Abundance

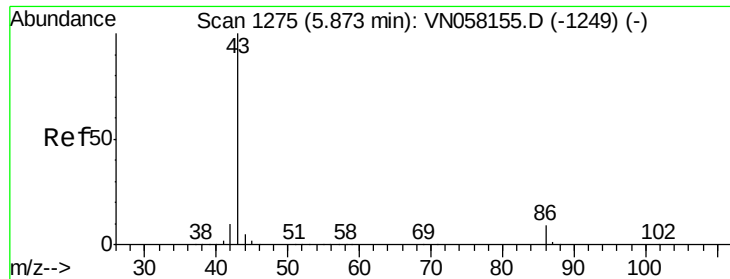
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





#23

Vinyl Acetate

Concen: 181.935 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN058155.D

Acq: 18 Sep 2019 10:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 3822666

Ion Ratio Lower Upper

43 100

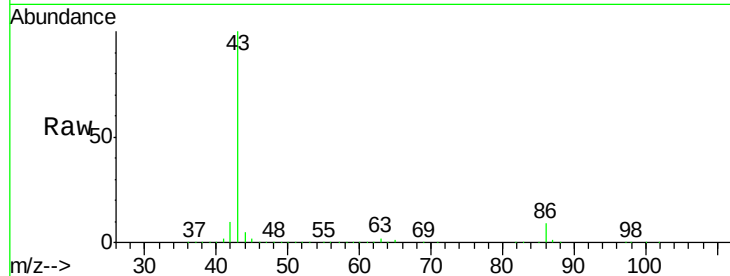
86 9.3 7.4 11.2

Manual Integrations

APPROVED

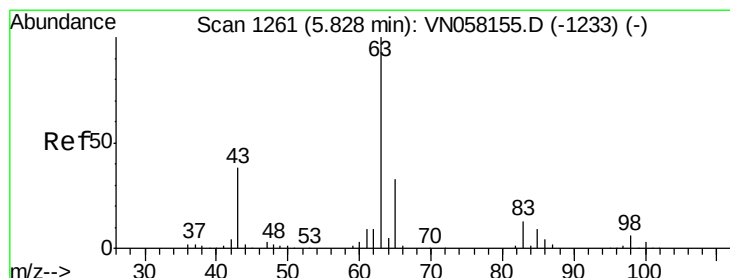
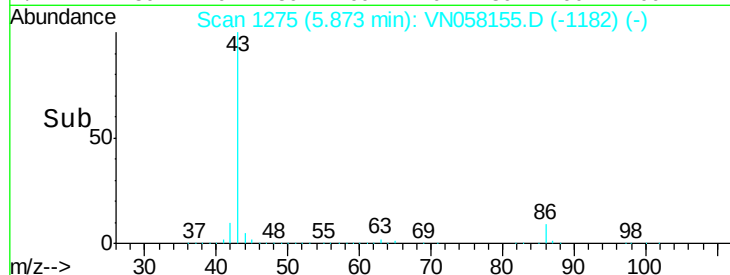
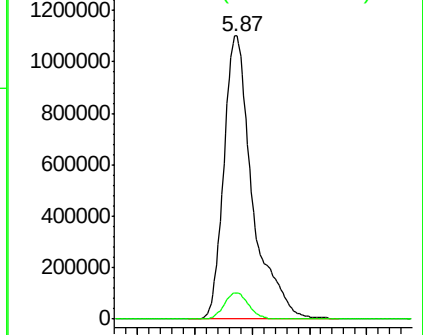
MMDadoda

9/20/2019 1:14:24 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 33.180 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VN058155.D

Acq: 18 Sep 2019 10:27

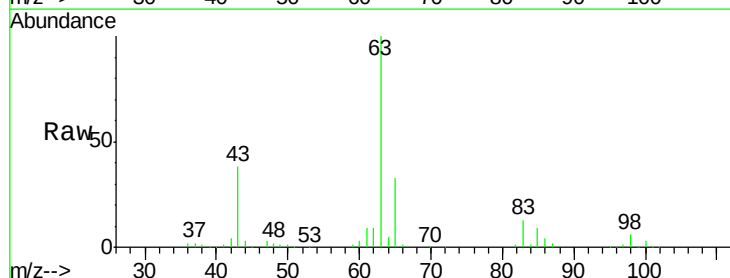
Tgt Ion: 63 Resp: 539974

Ion Ratio Lower Upper

63 100

98 5.7 2.9 8.6

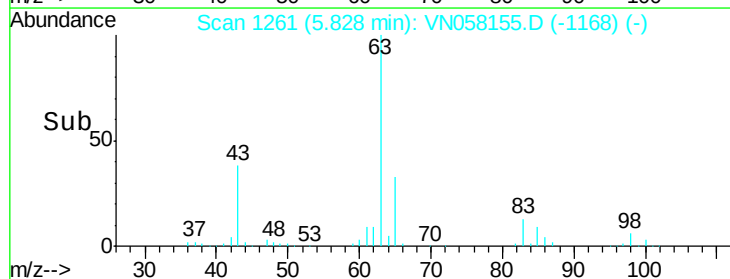
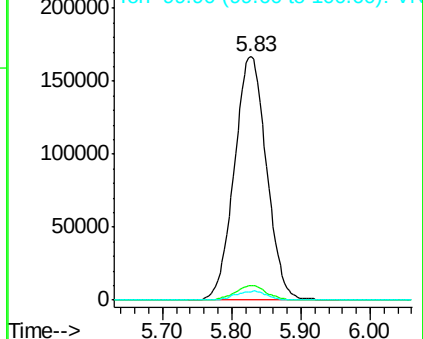
100 3.5 1.8 5.3

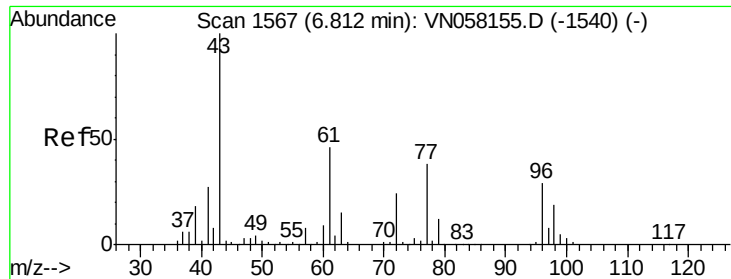


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 176.031 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN058155.D

Acq: 18 Sep 2019 10:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1029975

Ion Ratio Lower Upper

43 100

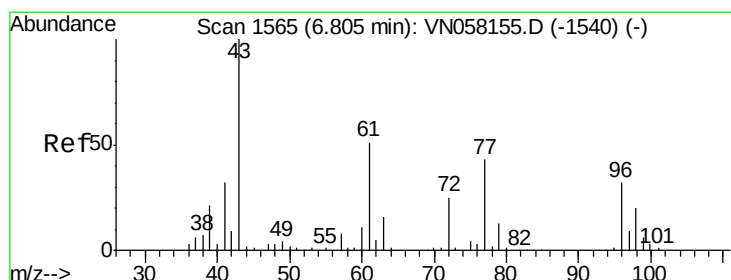
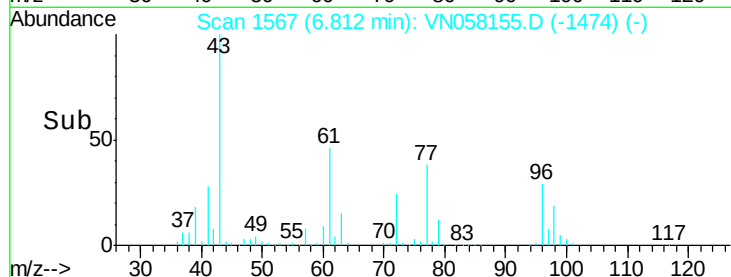
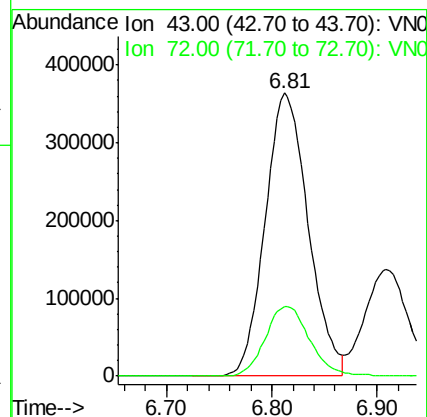
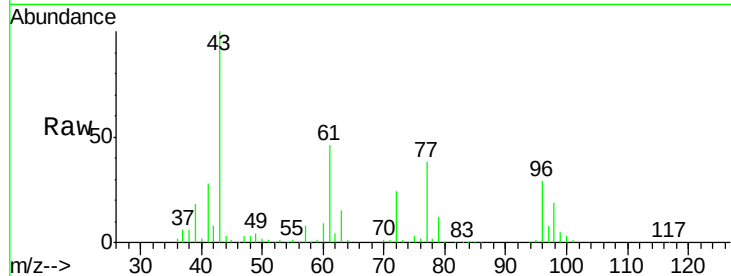
72 24.4 19.5 29.3

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 35.450 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058155.D

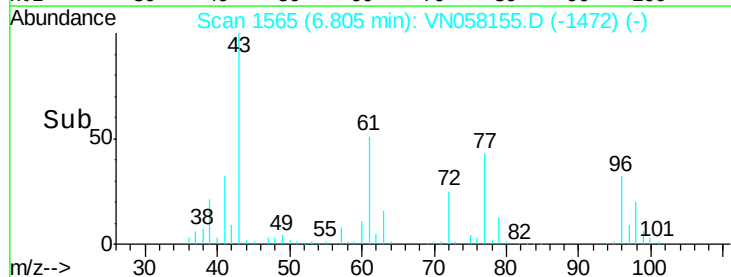
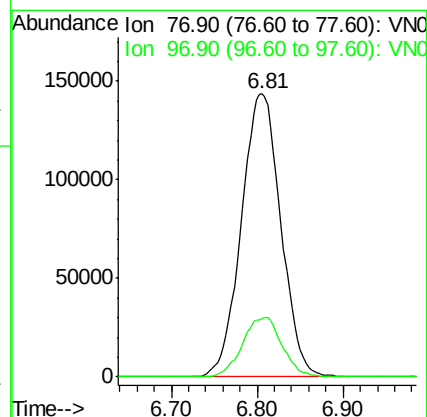
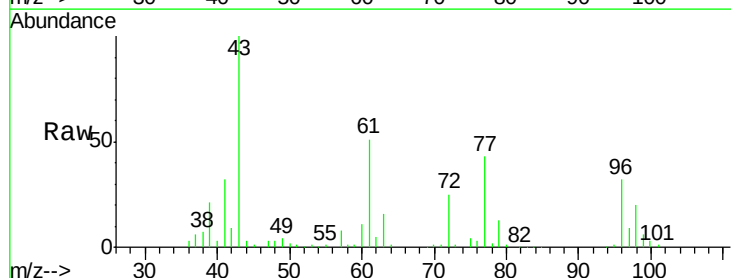
Acq: 18 Sep 2019 10:27

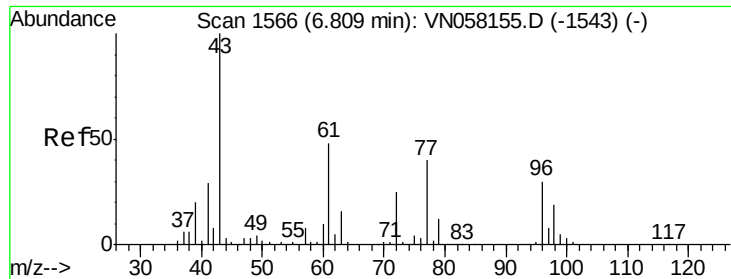
Tgt Ion: 77 Resp: 457827

Ion Ratio Lower Upper

77 100

97 21.1 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 32.997 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058155.D

Acq: 18 Sep 2019 10:27

Instrument :

MSVOA_N

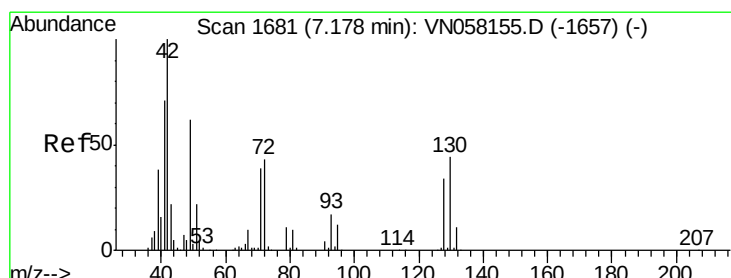
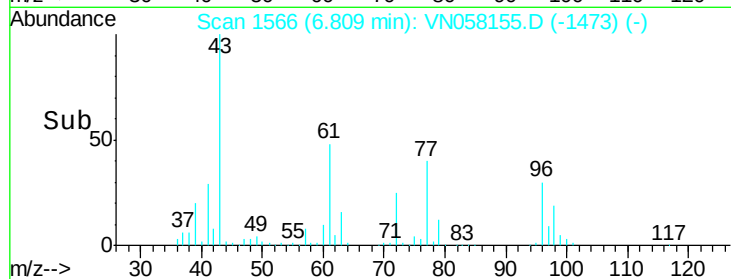
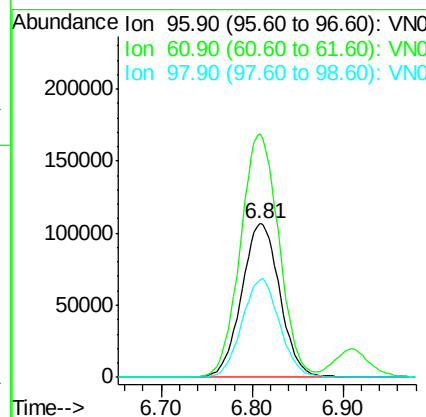
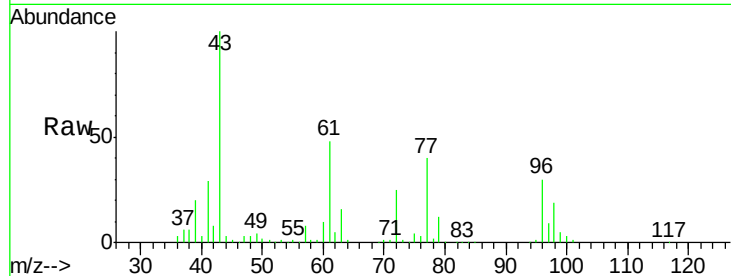
ClientSampleId :

VSTDICCC050

Tot Ion:	96	Resp:	310649
Ion Ratio	Lower	Upper	
96	100		
61	159.5	0.0	319.0
98	63.3	0.0	126.6

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#28

Bromochloromethane

Concen: 34.286 ug/l

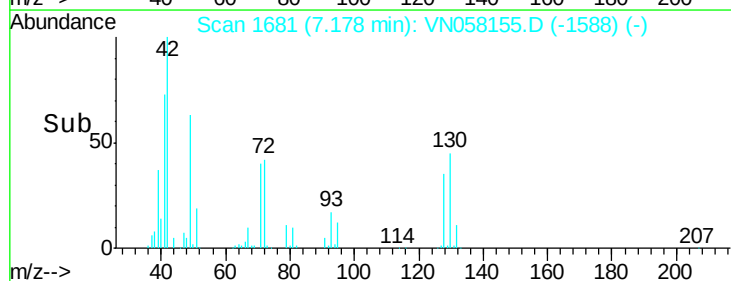
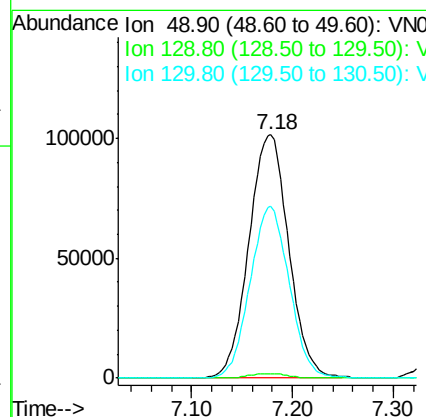
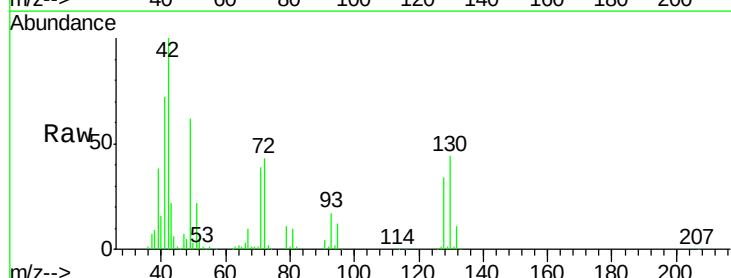
RT: 7.18 min Scan# 1681

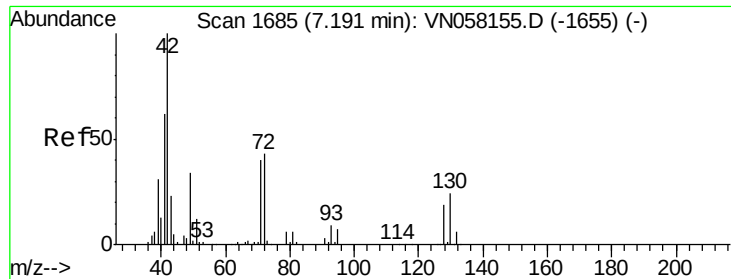
Delta R.T. 0.00 min

Lab File: VN058155.D

Acq: 18 Sep 2019 10:27

Tgt Ion:	49	Resp:	278655
Ion Ratio	Lower	Upper	
49	100		
129	0.9	0.0	1.8
130	69.3	55.4	83.2





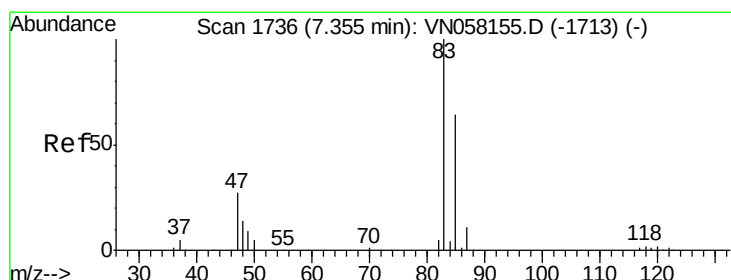
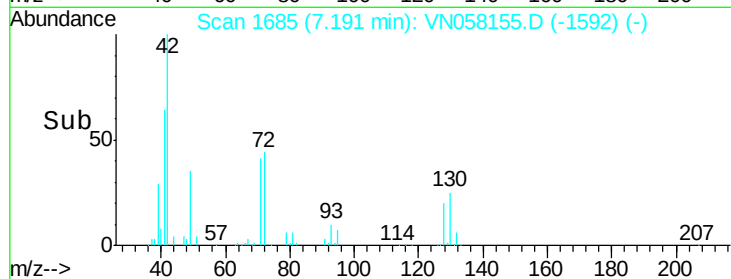
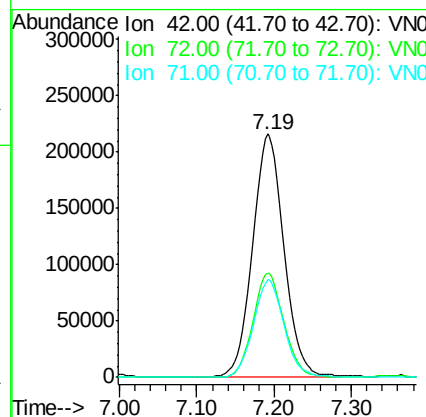
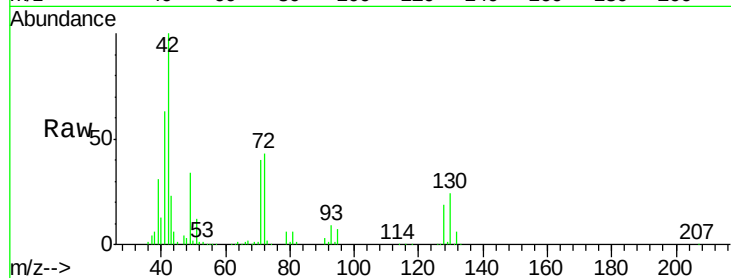
#29
Tetrahydrofuran
Concen: 169.779 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VN058155.D
Acq: 18 Sep 2019 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.2	33.8	50.6
71	39.2	31.4	47.0

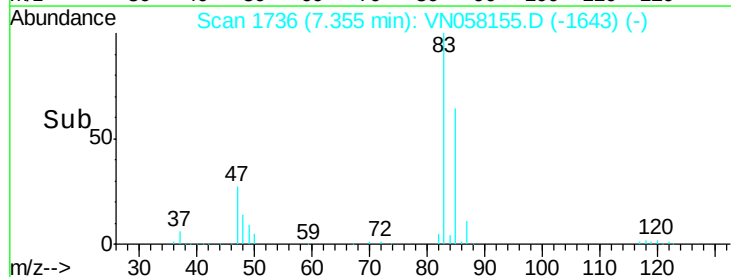
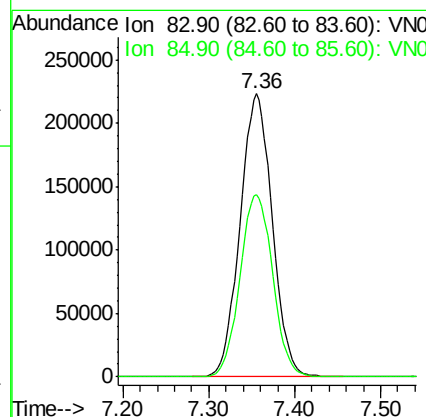
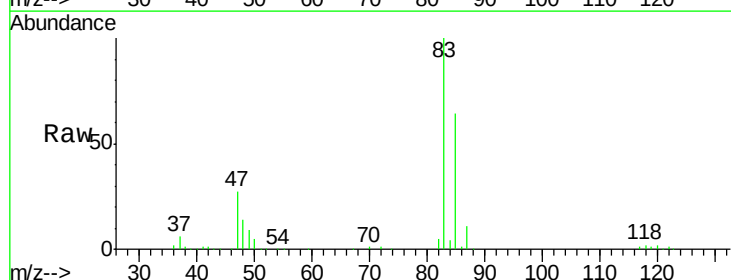
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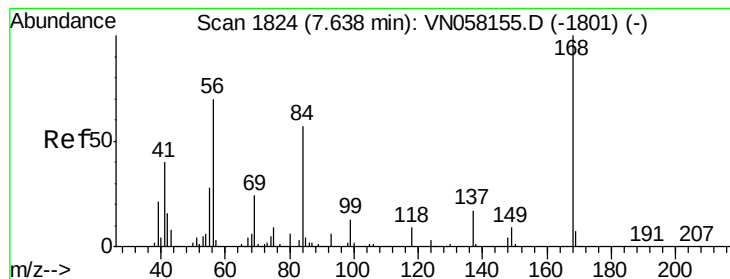
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#30
Chloroform
Concen: 34.019 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058155.D
Acq: 18 Sep 2019 10:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.4	77.2





#31

Cyclohexane

Concen: 30.475 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN058155.D

Acq: 18 Sep 2019 10:27

Instrument :

MSVOA_N

ClientSampled :

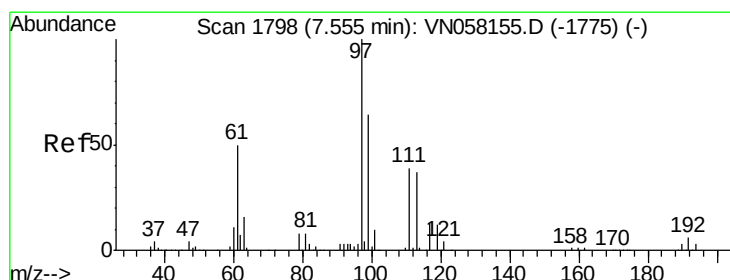
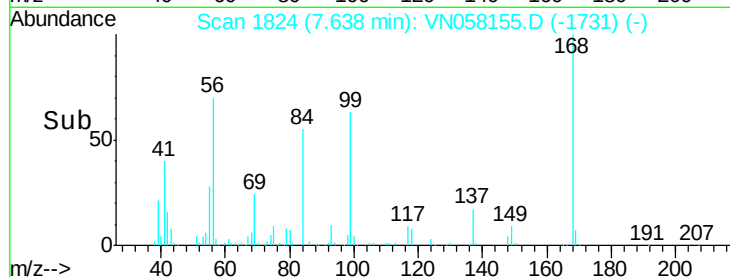
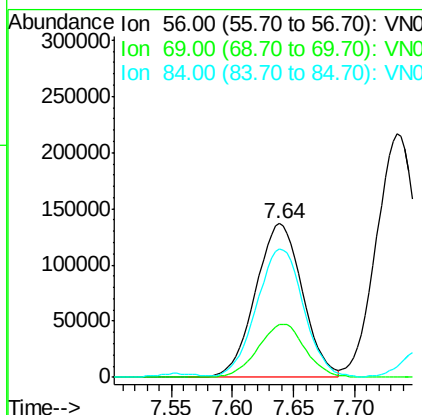
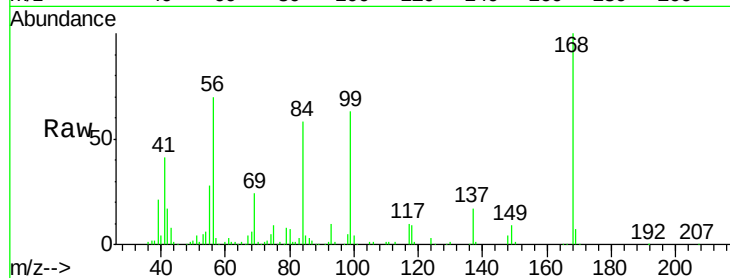
VSTDICCC050

Tot Ion: 56 Resp: 365330

Ion	Ratio	Lower	Upper
56	100		
69	34.1	27.3	40.9
84	81.2	65.0	97.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 34.526 ug/l

RT: 7.55 min Scan# 1798

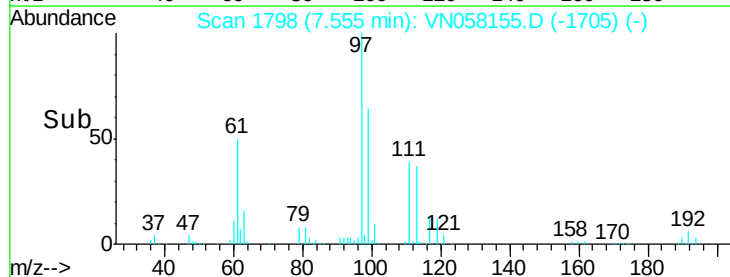
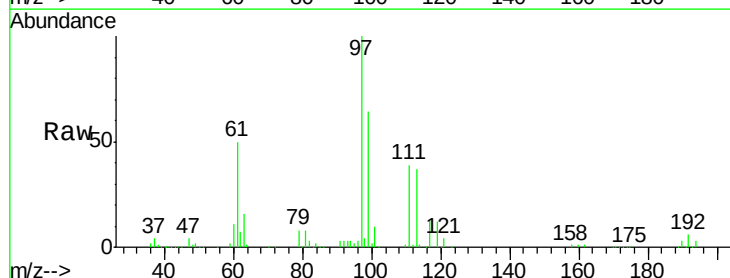
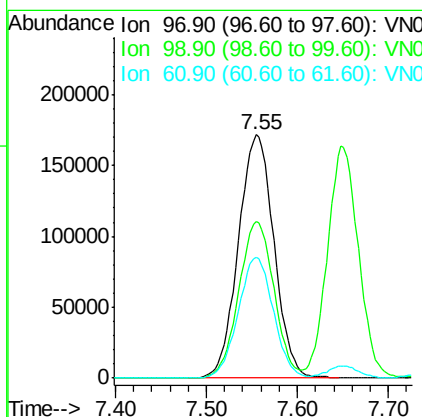
Delta R.T. 0.00 min

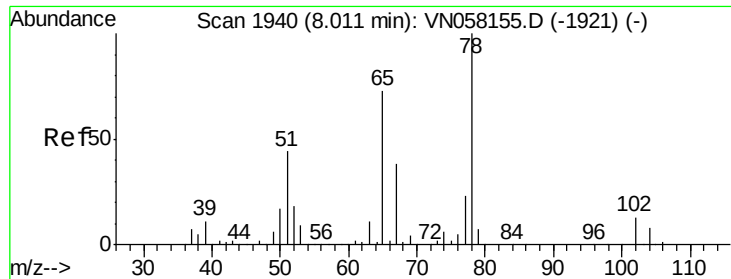
Lab File: VN058155.D

Acq: 18 Sep 2019 10:27

Tgt Ion: 97 Resp: 466862

Ion	Ratio	Lower	Upper
97	100		
99	63.6	50.9	76.3
61	49.0	39.2	58.8





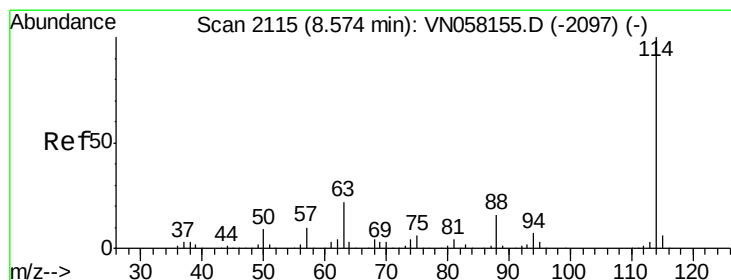
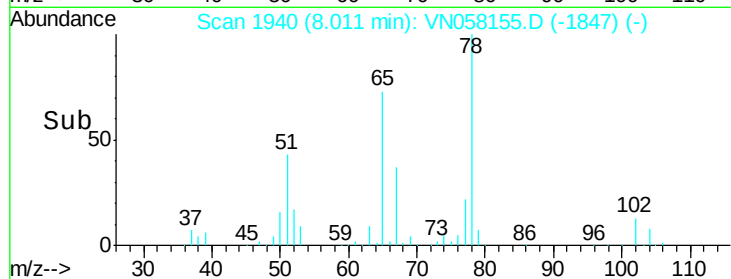
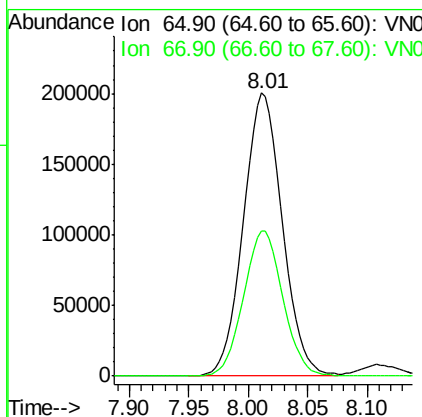
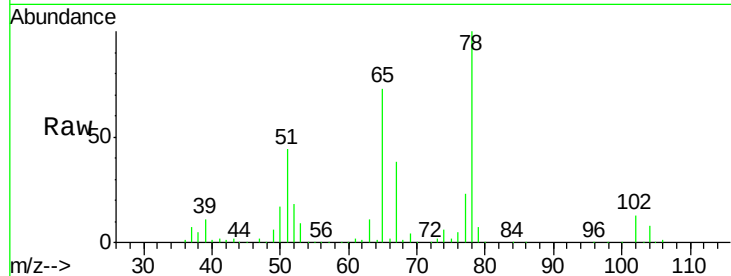
#33
 1,2-Dichloroethane-d4
 Concen: 37.035 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	455593		
67	51.7	0.0	103.4	

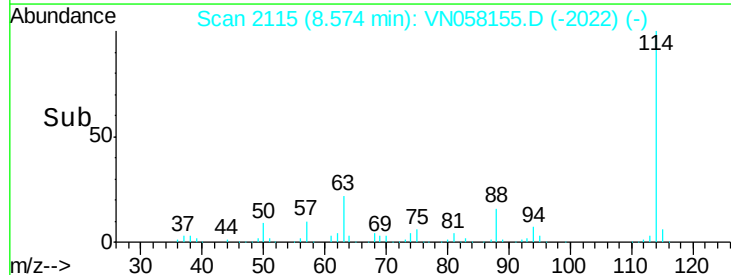
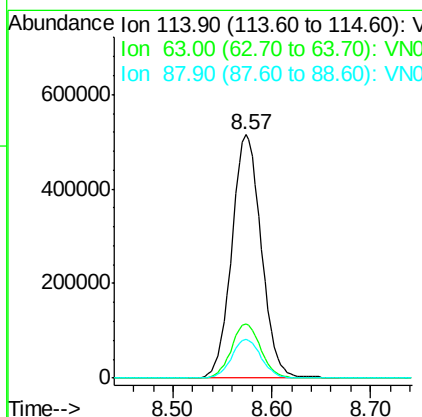
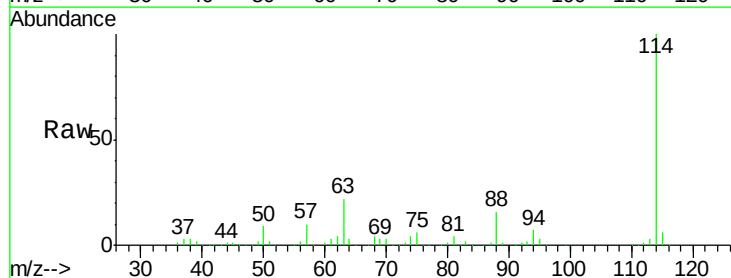
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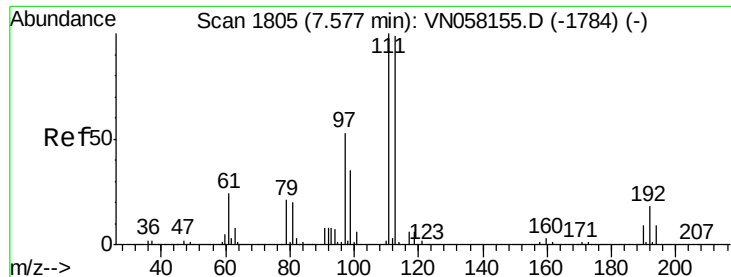
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1072362		
63	22.1	0.0	44.2	
88	15.8	0.0	31.6	





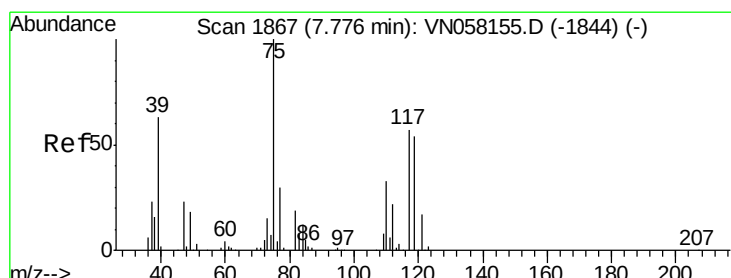
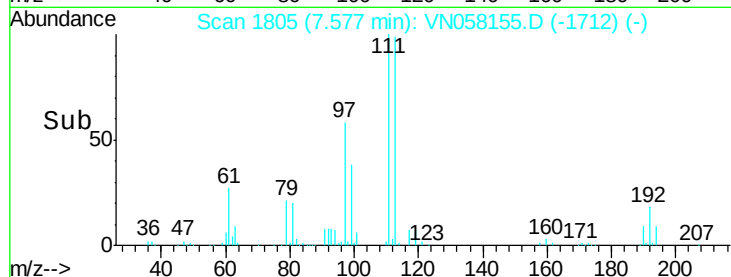
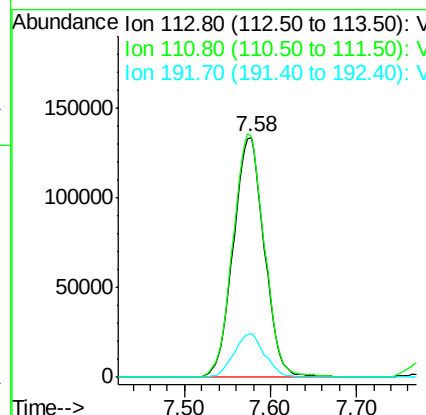
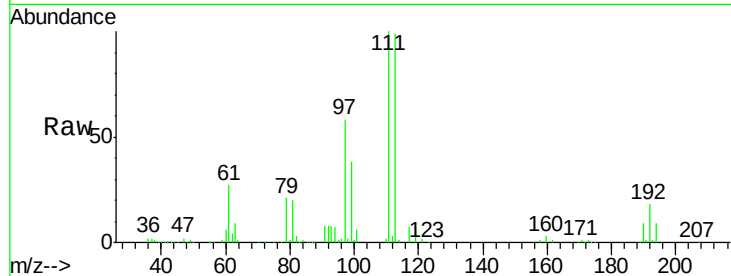
#35
 Dibromofluoromethane
 Concen: 36.169 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	334944		
111	102.2	81.8	122.6	
192	18.1	14.5	21.7	

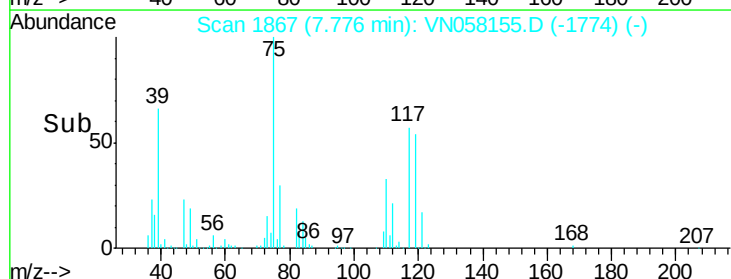
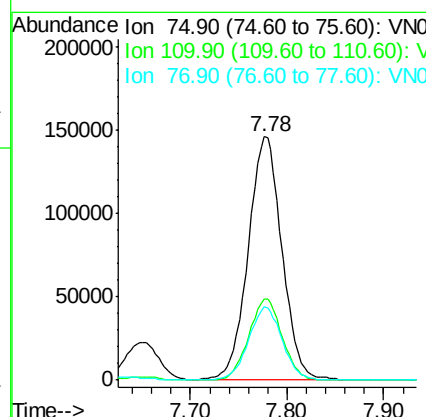
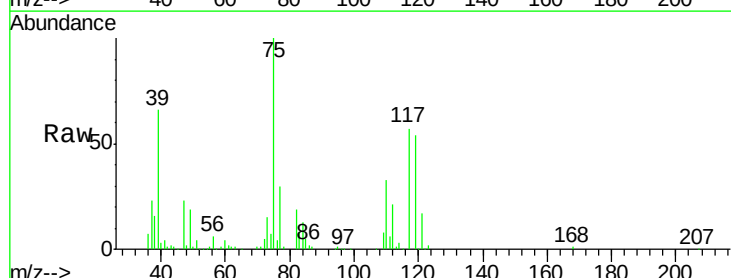
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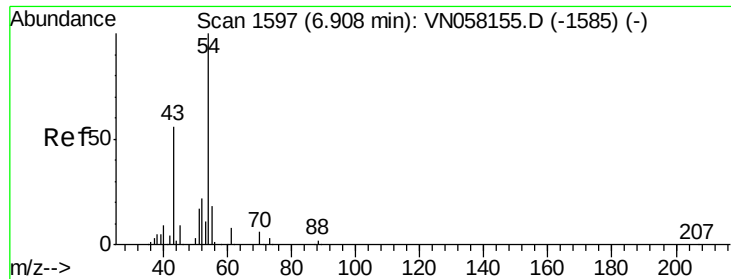
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#36
 1,1-Dichloropropene
 Concen: 30.066 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	350385		
110	33.1	16.6	49.7	
77	30.4	24.3	36.5	





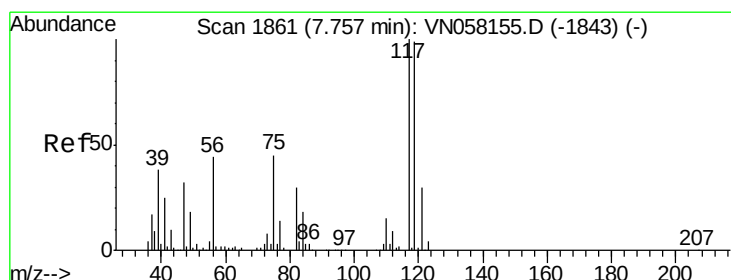
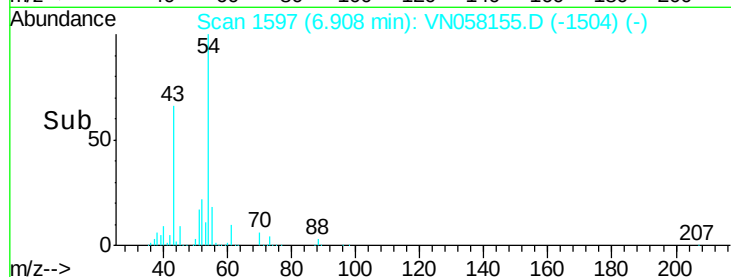
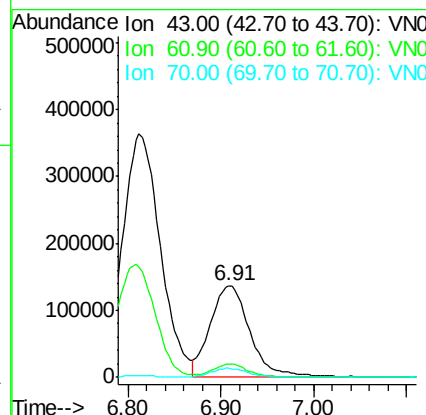
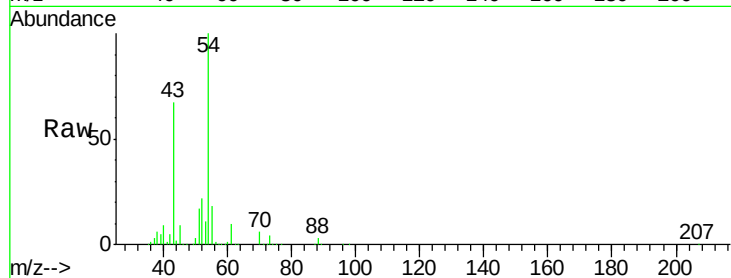
#37
Ethyl Acetate
Concen: 32.983 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VN058155.D
Acq: 18 Sep 2019 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	13.4	10.7	16.1	
70	9.5	7.6	11.4	

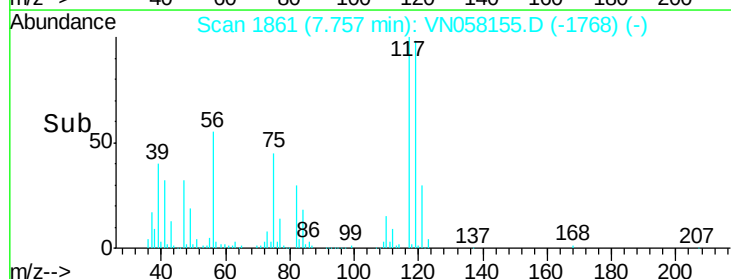
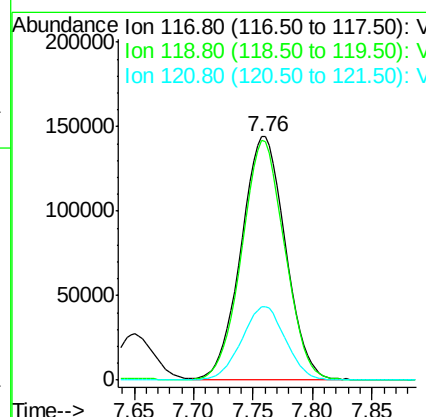
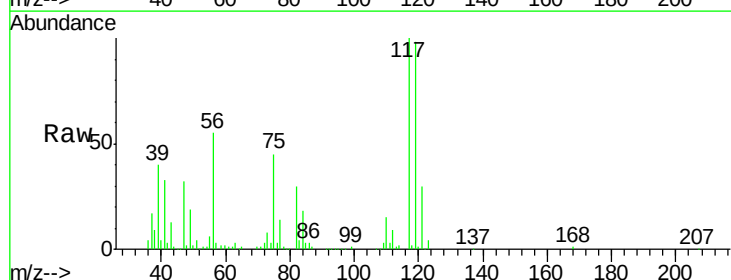
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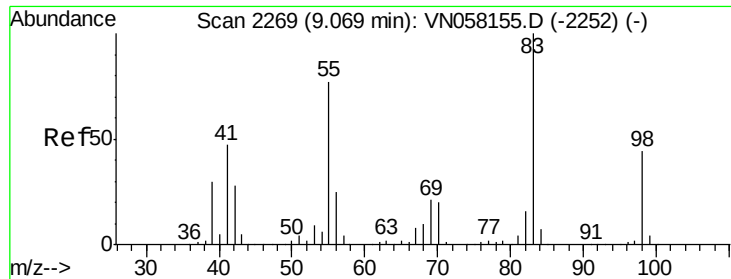
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#38
Carbon Tetrachloride
Concen: 34.596 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN058155.D
Acq: 18 Sep 2019 10:27

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	98.2	78.6	117.8	
121	30.1	24.1	36.1	





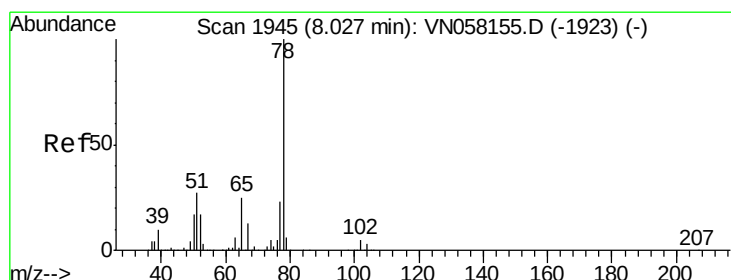
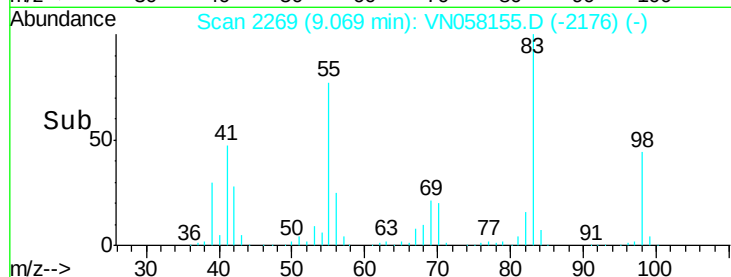
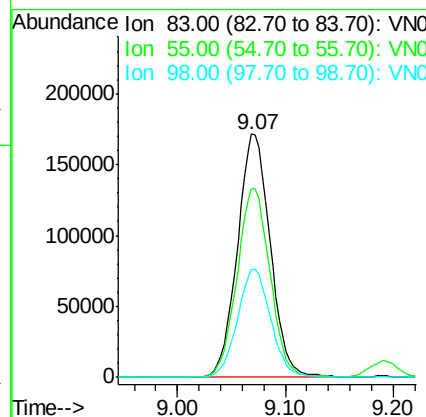
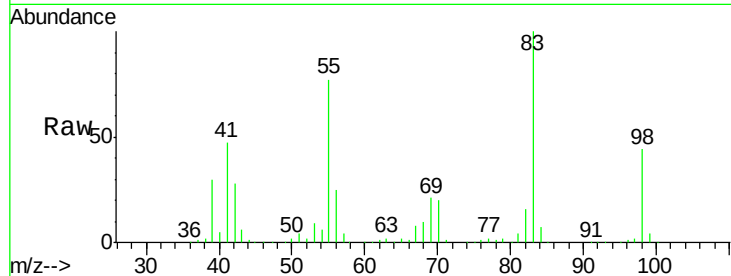
#39
Methylvlcyclohexane
Concen: 29.820 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN058155.D
Acq: 18 Sep 2019 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.4	61.9	92.9
98	44.3	35.4	53.2

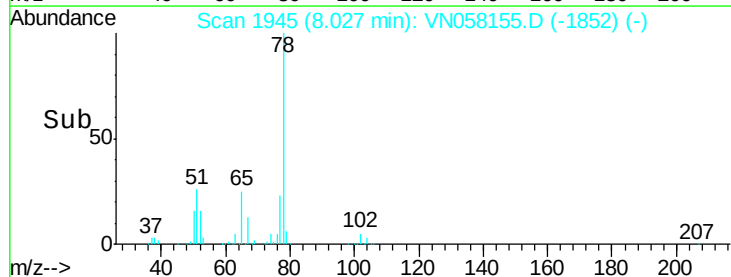
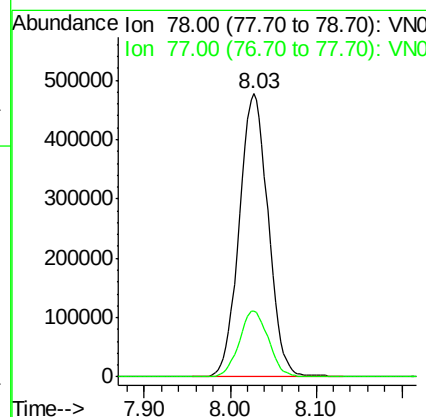
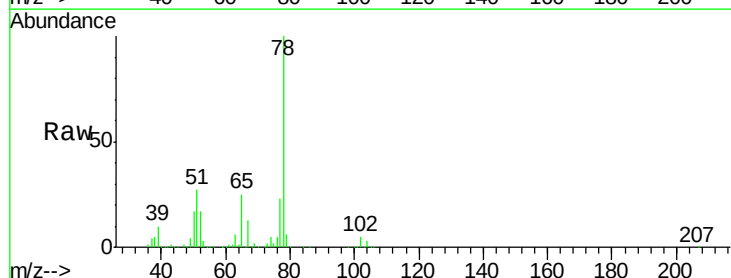
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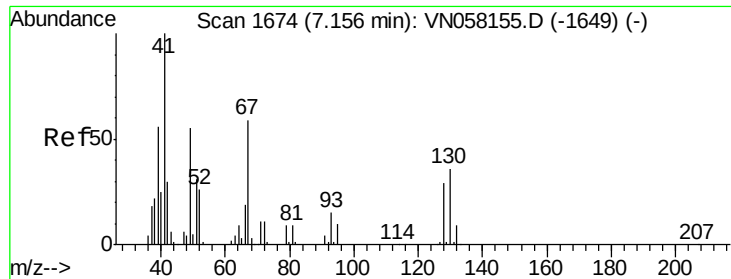
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#40
Benzene
Concen: 31.841 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058155.D
Acq: 18 Sep 2019 10:27

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2





#41

Methacrylonitrile

Concen: 36.824 ug/l m

RT: 7.16 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VN058155.D

Acq: 18 Sep 2019 10:27

Instrument :

MSVOA_N

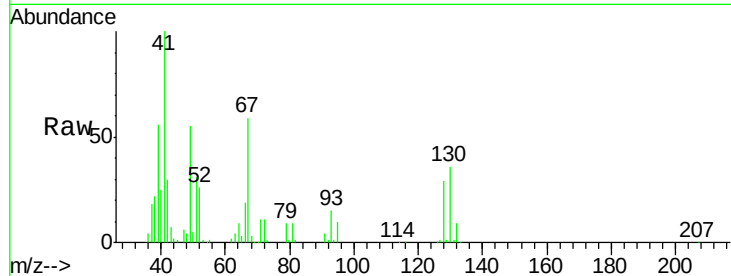
ClientSampleId :

VSTDICCC050

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

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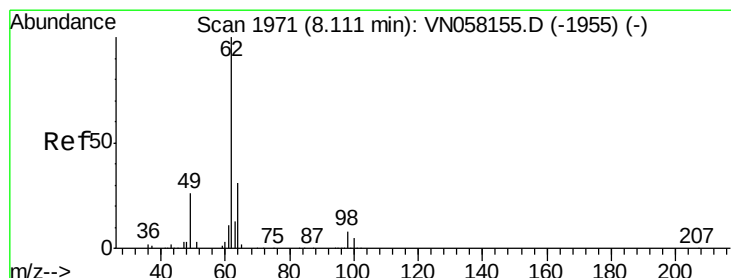
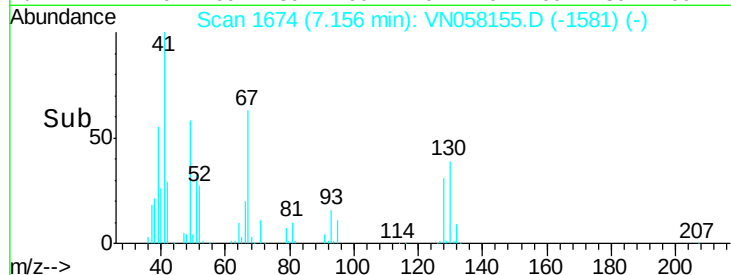
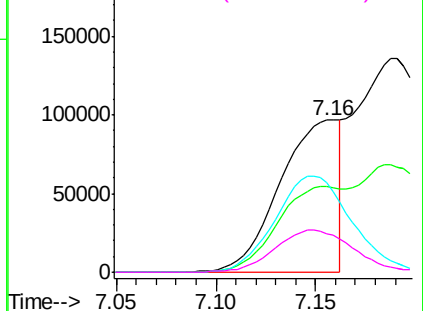


Abundance Ion 41.00 (40.70 to 41.70): VN058155.D (-1649) (-)

Ion 39.00 (38.70 to 39.70): VN058155.D (-1649) (-)

Ion 67.00 (66.70 to 67.70): VN058155.D (-1649) (-)

Ion 52.00 (51.70 to 52.70): VN058155.D (-1649) (-)



#42

1,2-Dichloroethane

Concen: 33.341 ug/l

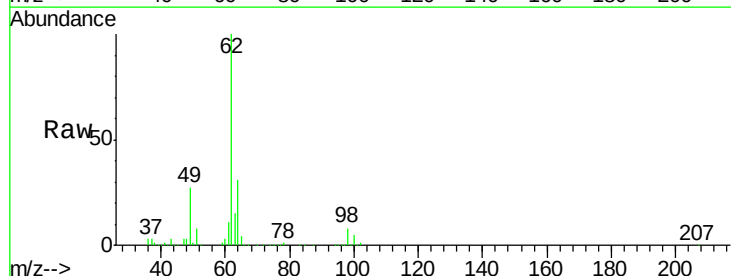
RT: 8.11 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VN058155.D

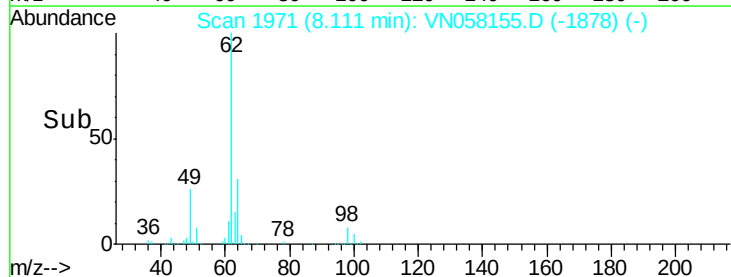
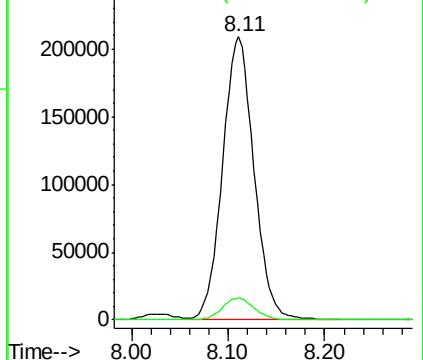
Acq: 18 Sep 2019 10:27

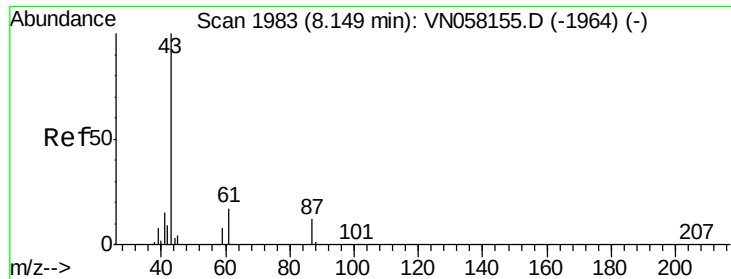
Tgt Ion	Ratio	Resp Lower	Upper
62	100		
98	7.8	0.0	15.6



Abundance Ion 61.90 (61.60 to 62.60): VN058155.D (-1955) (-)

Ion 97.90 (97.60 to 98.60): VN058155.D (-1955) (-)





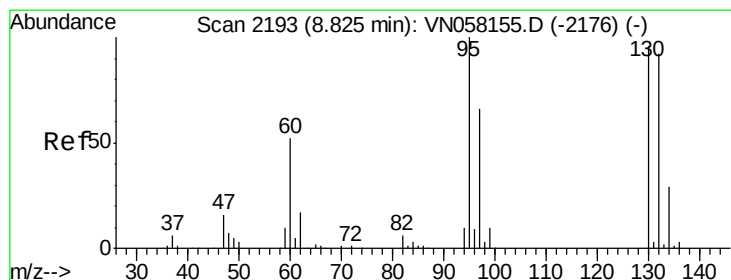
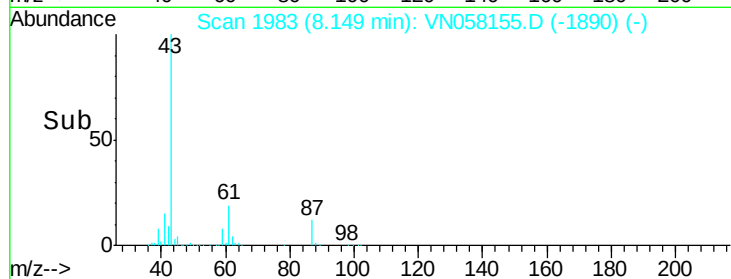
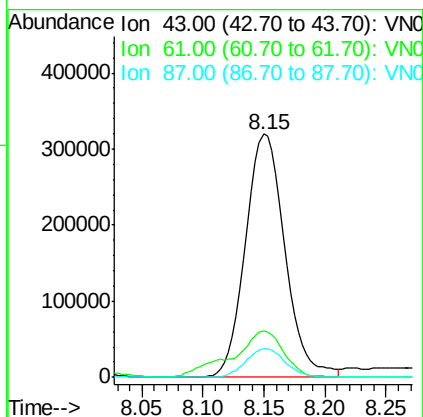
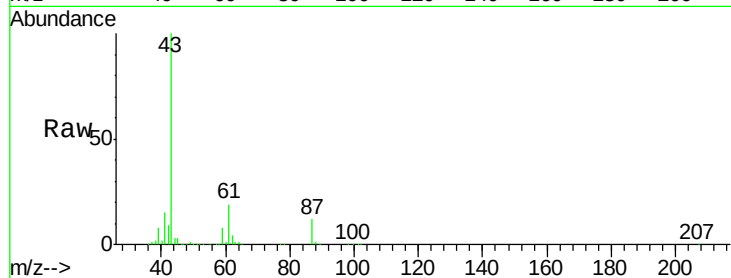
#43
Isopropyl Acetate
Concen: 35.075 ug/l
RT: 8.15 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VN058155.D
Acq: 18 Sep 2019 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	24.6	19.7	29.5
87	11.8	9.4	14.2

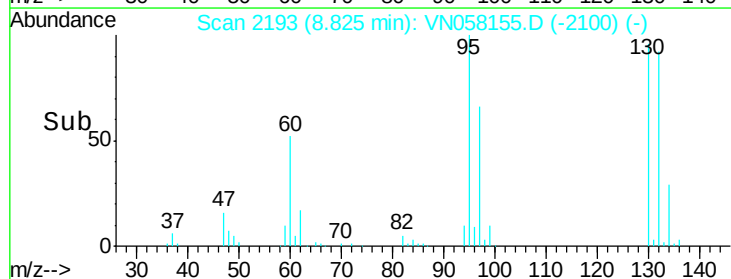
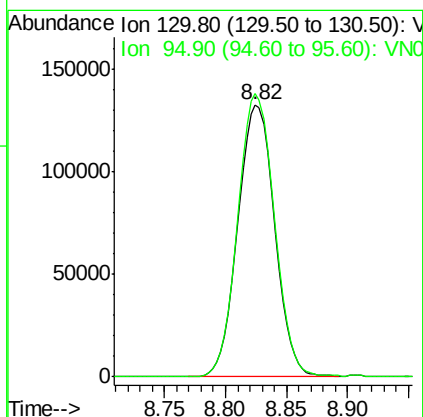
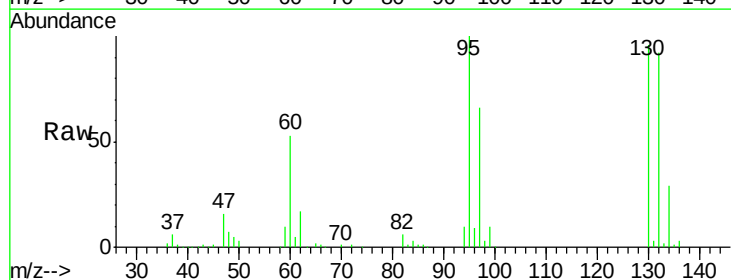
Manual Integrations
APPROVED

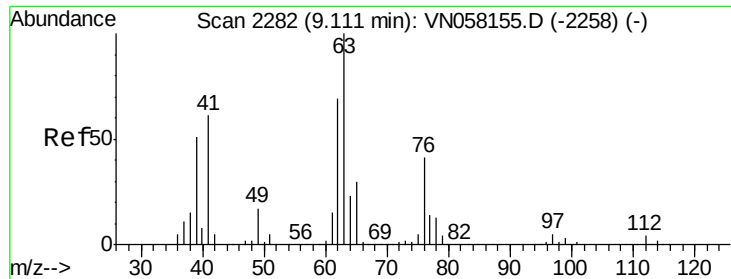
MMDadoda
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#44
Trichloroethene
Concen: 32.118 ug/l
RT: 8.82 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VN058155.D
Acq: 18 Sep 2019 10:27

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.9	0.0	207.8





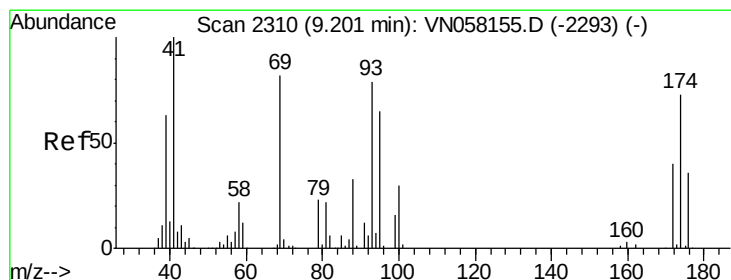
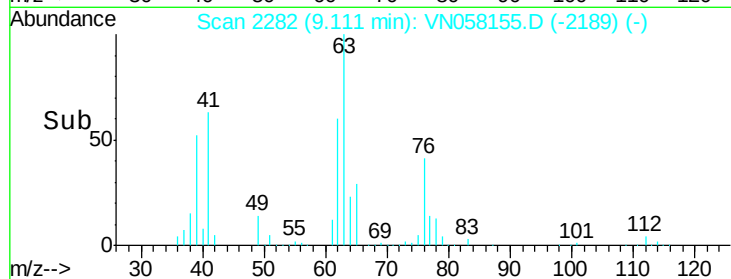
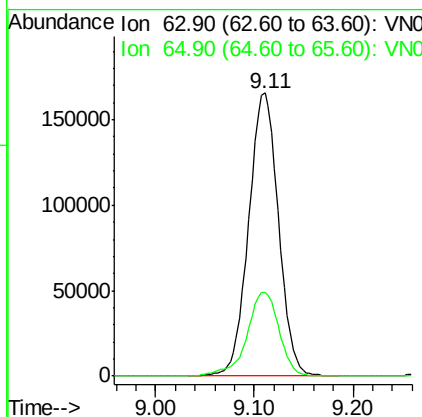
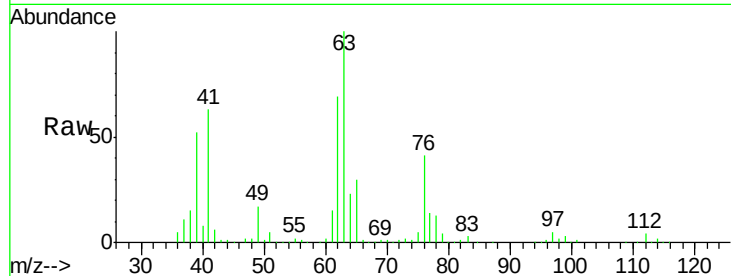
#45
 1,2-Dichloropropane
 Concen: 33.754 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion: 63 Resp: 345907
 Ion Ratio Lower Upper
 63 100
 65 29.7 23.8 35.6

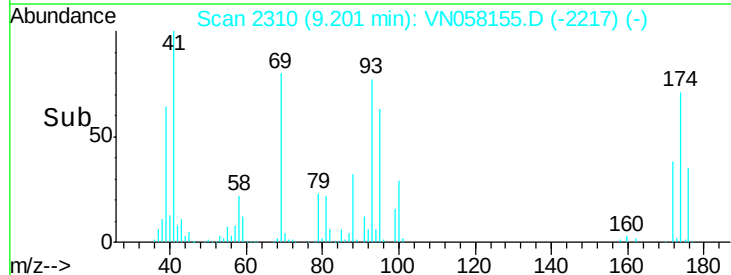
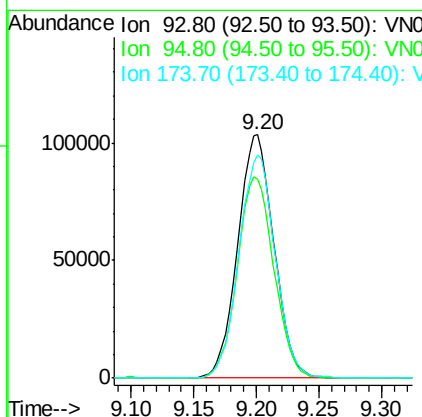
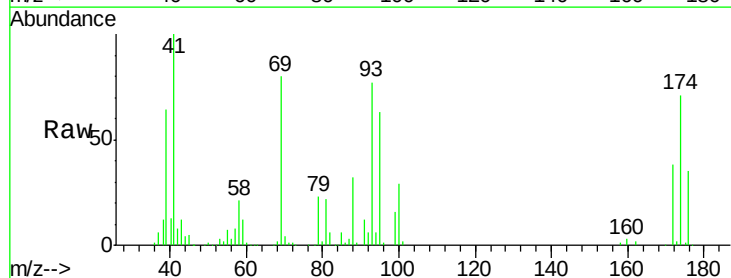
Manual Integrations
 APPROVED

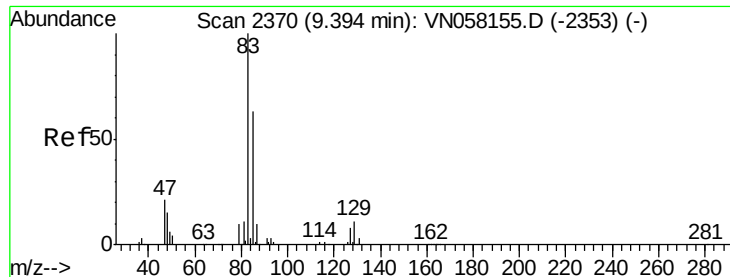
MMDadoda
 9/20/2019 1:14:24 PM



#46
 Dibromomethane
 Concen: 33.622 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Tgt Ion: 93 Resp: 207991
 Ion Ratio Lower Upper
 93 100
 95 83.5 66.8 100.2
 174 92.3 73.8 110.8





#47

Bromodichloromethane

Concen: 36.916 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058155.D

Acq: 18 Sep 2019 10:27

Instrument :

MSVOA_N

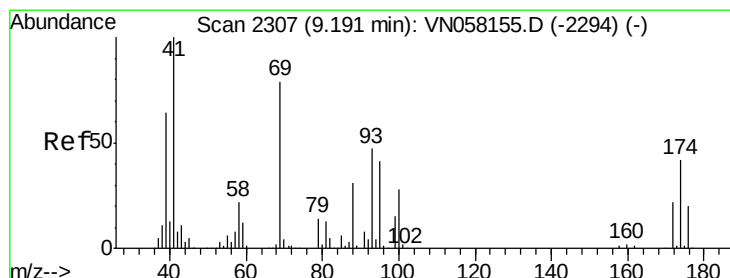
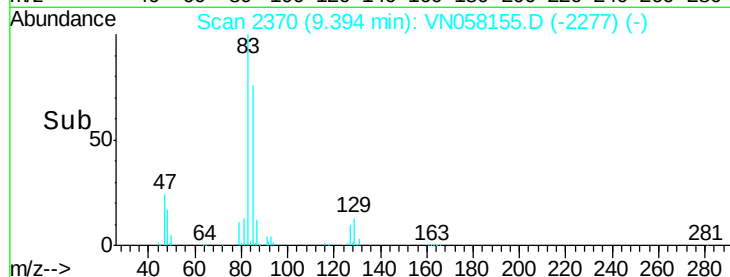
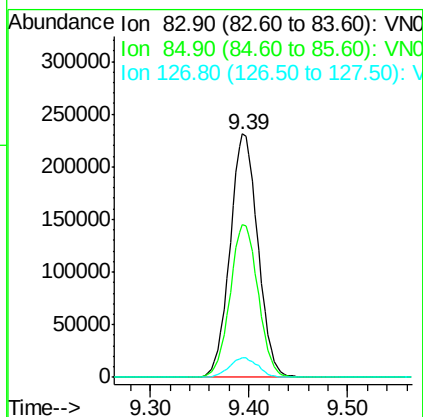
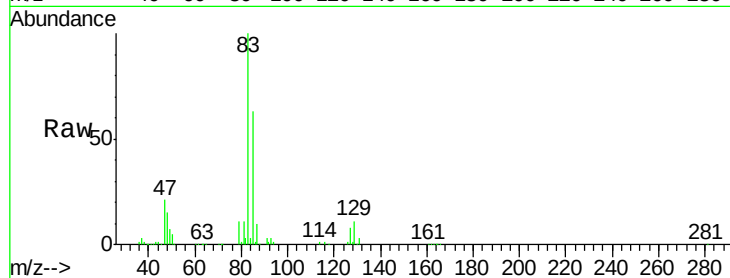
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	454754
Ion	Ratio	Lower	Upper
83	100		
85	62.6	50.1	75.1
127	8.0	6.4	9.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 33.428 ug/l

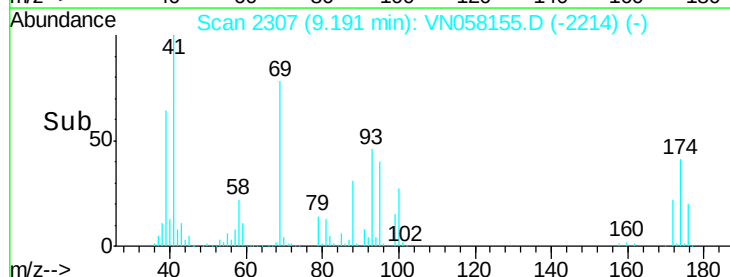
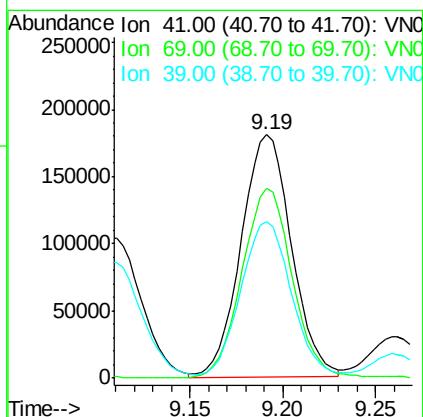
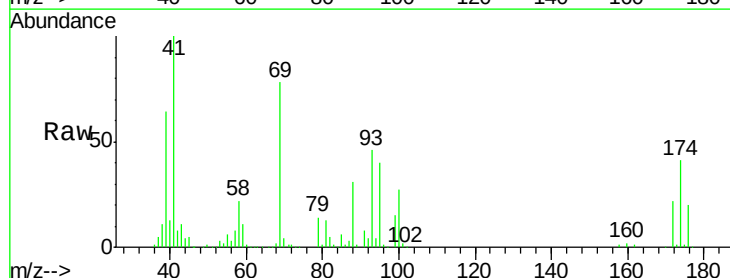
RT: 9.19 min Scan# 2307

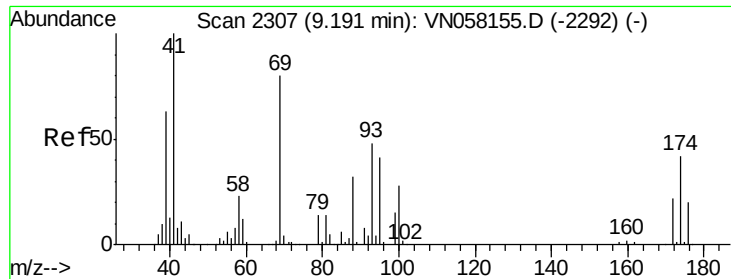
Delta R.T. 0.00 min

Lab File: VN058155.D

Acq: 18 Sep 2019 10:27

Tgt Ion:	41	Resp:	342649
Ion	Ratio	Lower	Upper
41	100		
69	78.1	62.5	93.7
39	65.4	52.3	78.5





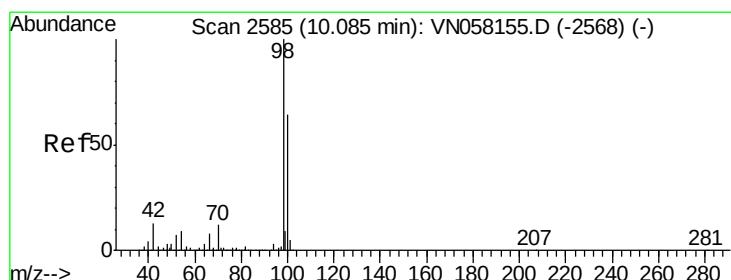
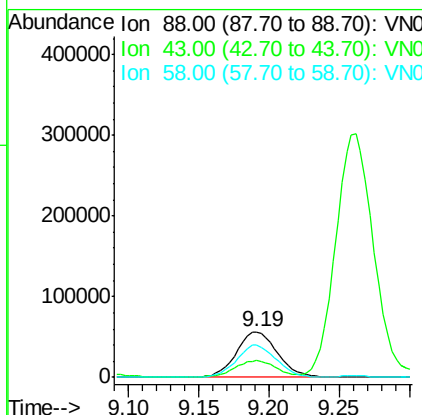
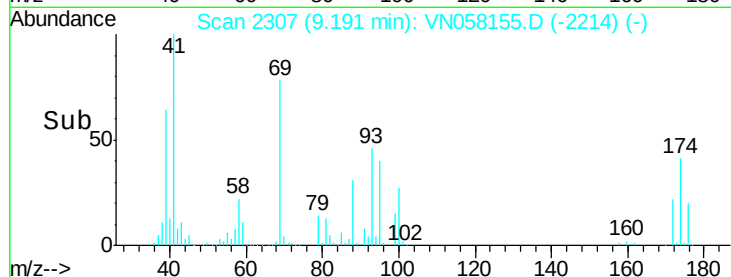
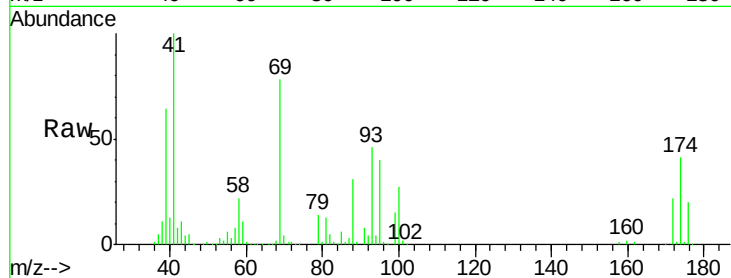
#49
1,4-Dioxane
Concen: 666.161 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN058155.D
Acq: 18 Sep 2019 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.8	27.8	41.8
58	68.7	55.0	82.4

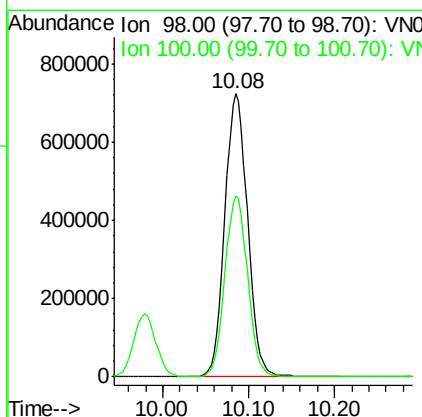
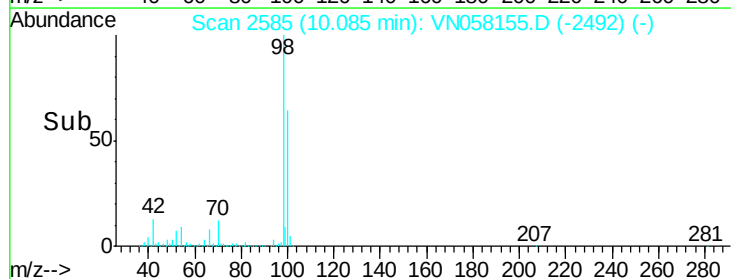
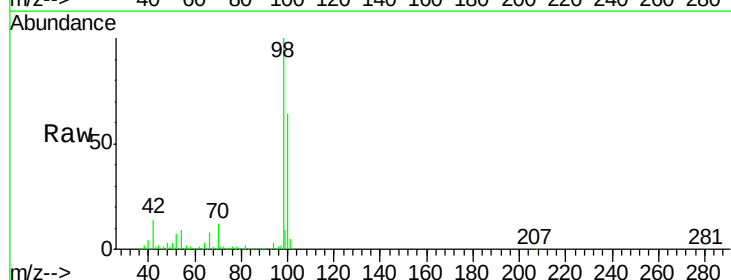
Manual Integrations
APPROVED

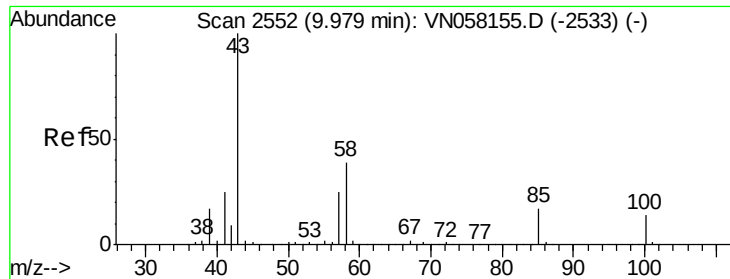
MMDadoda
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#50
Toluene-d8
Concen: 37.317 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058155.D
Acq: 18 Sep 2019 10:27

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 181.252 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058155.D

Acq: 18 Sep 2019 10:27

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 43 Resp: 2155219

Ion Ratio Lower Upper

43 100

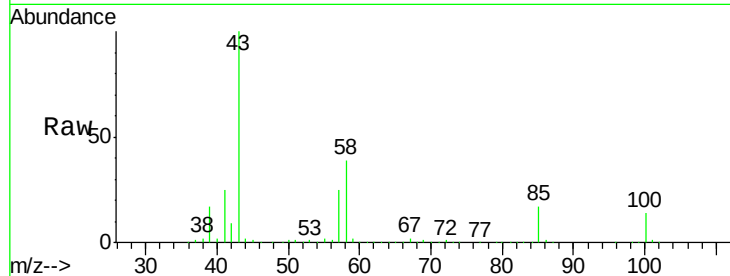
58 37.8 30.2 45.4

Manual Integrations

APPROVED

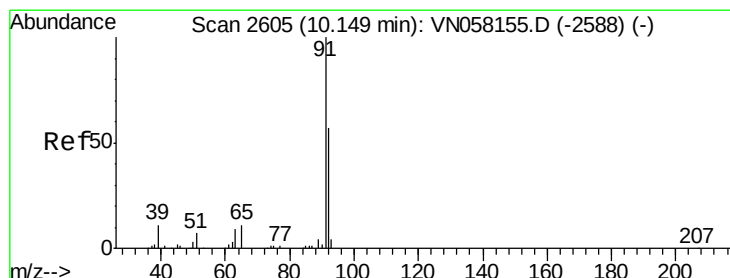
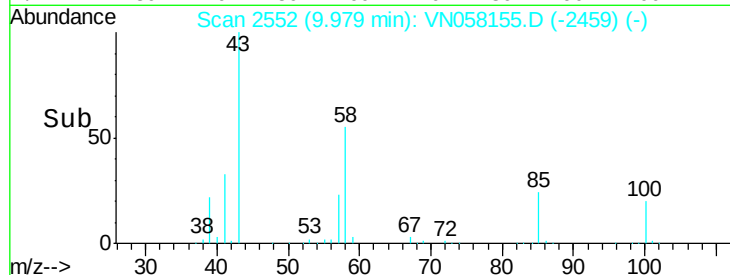
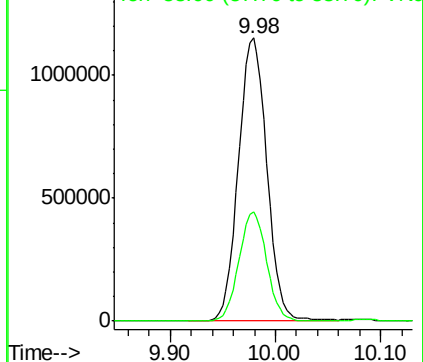
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 32.413 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058155.D

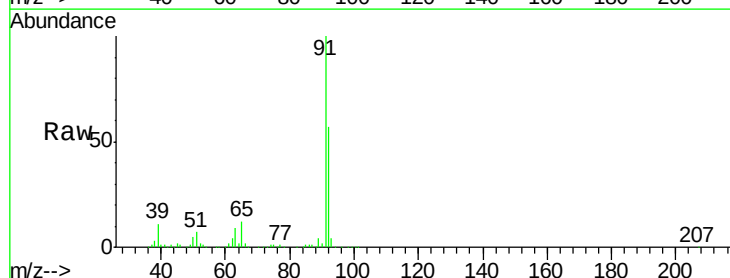
Acq: 18 Sep 2019 10:27

Tgt Ion: 92 Resp: 715508

Ion Ratio Lower Upper

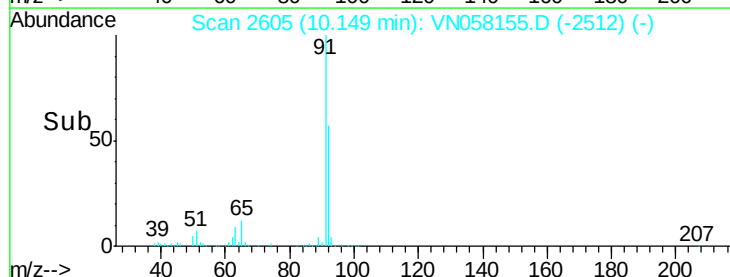
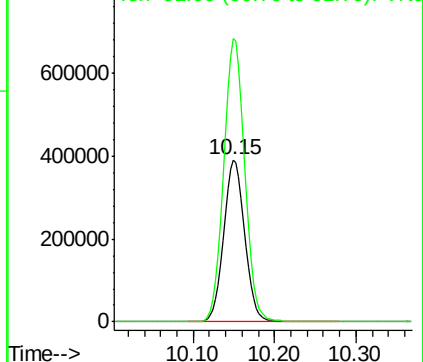
92 100

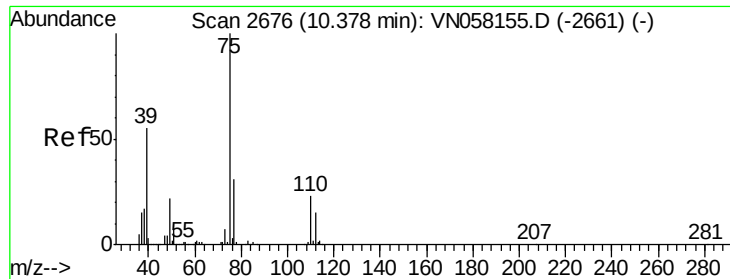
91 175.2 140.2 210.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





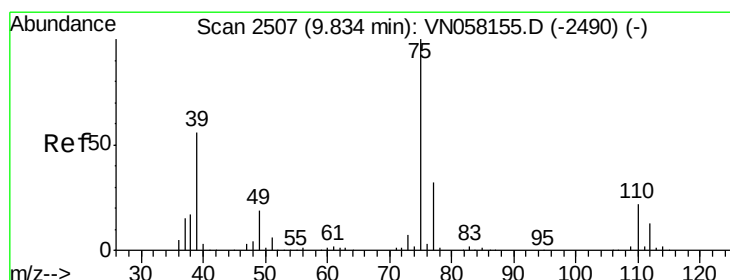
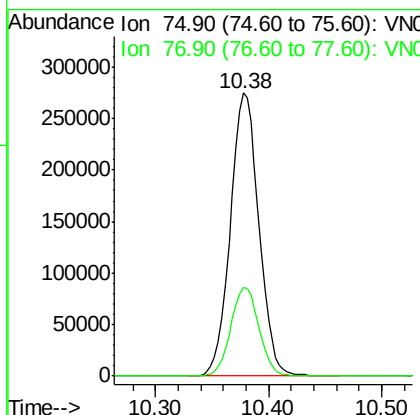
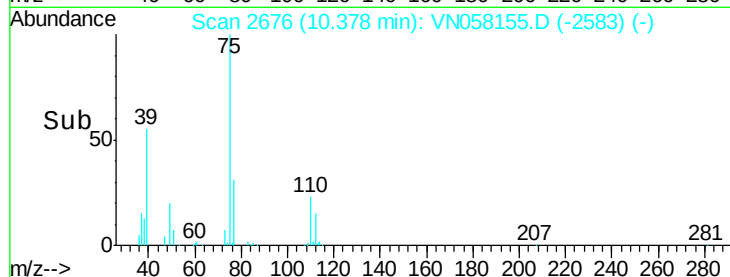
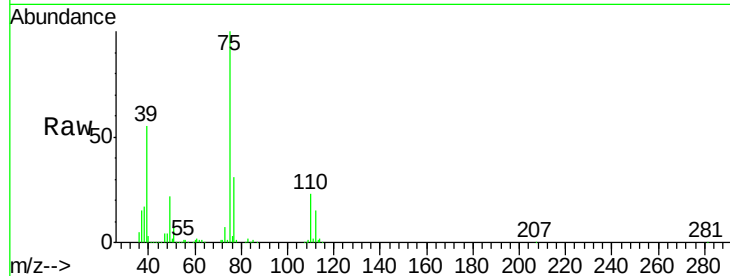
#53
t-1,3-Dichloropropene
Concen: 37.206 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN058155.D
Acq: 18 Sep 2019 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	24.9	37.3

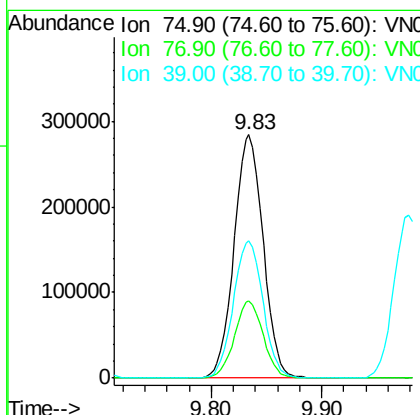
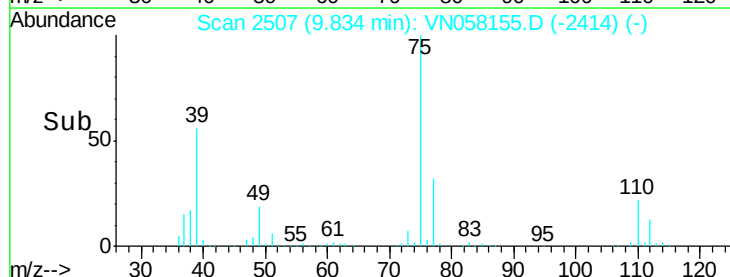
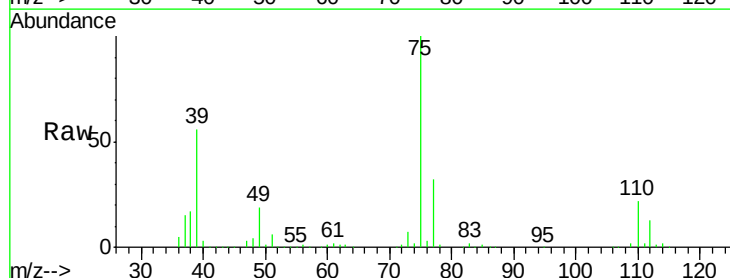
Manual Integrations
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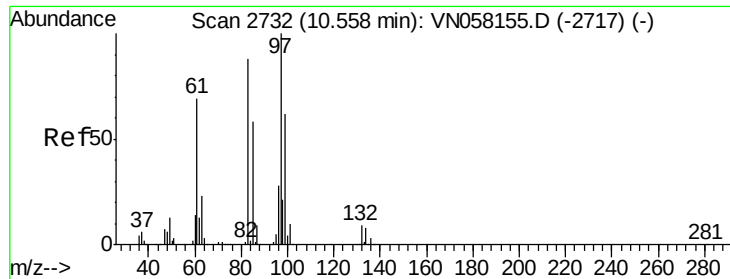
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 36.288 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. 0.00 min
Lab File: VN058155.D
Acq: 18 Sep 2019 10:27

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.0
39	56.3	45.0	67.6





#55

1,1,2-Trichloroethane

Concen: 34.838 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN058155.D

Acq: 18 Sep 2019 10:27

Instrument :

MSVOA_N

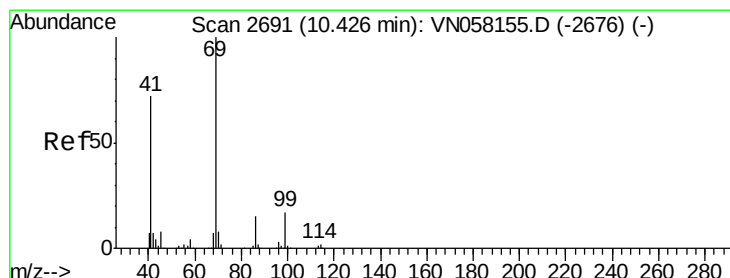
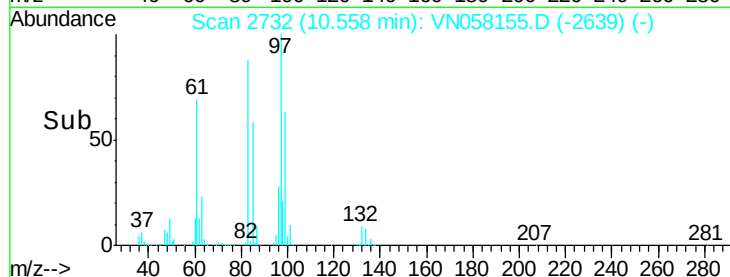
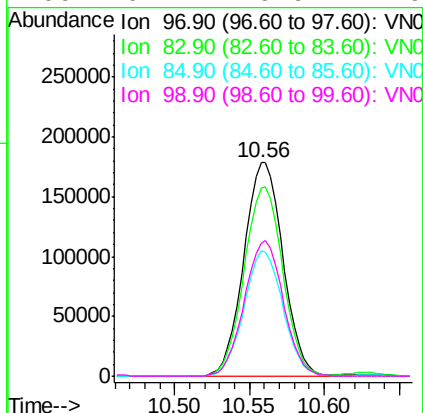
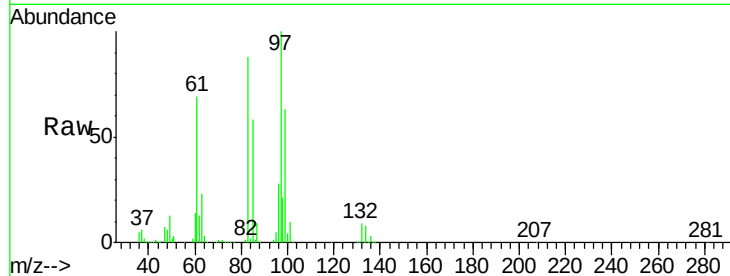
ClientSampled :

VSTDICCC050

Tot Ion:	97	Resp:	326167
Ion	Ratio	Lower	Upper
97	100		
83	88.0	70.4	105.6
85	58.5	46.8	70.2
99	62.4	49.9	74.9

Manual Integrations
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#56

Ethyl methacrylate

Concen: 35.391 ug/l

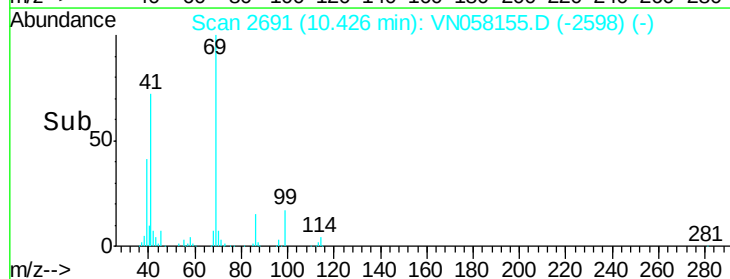
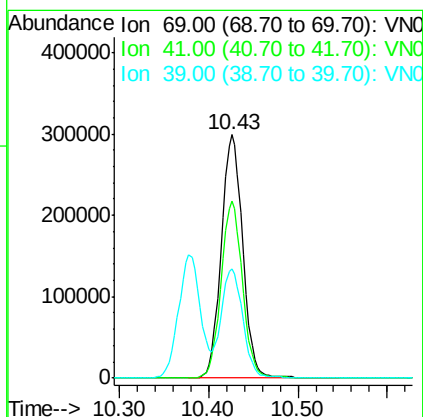
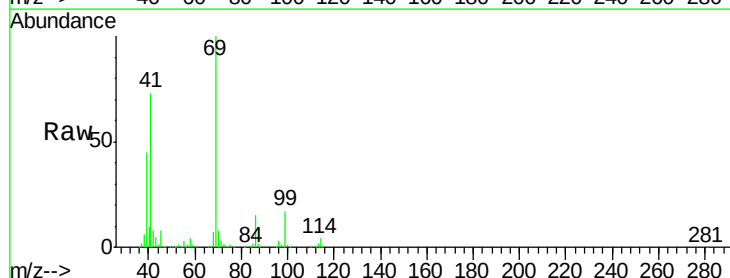
RT: 10.43 min Scan# 2691

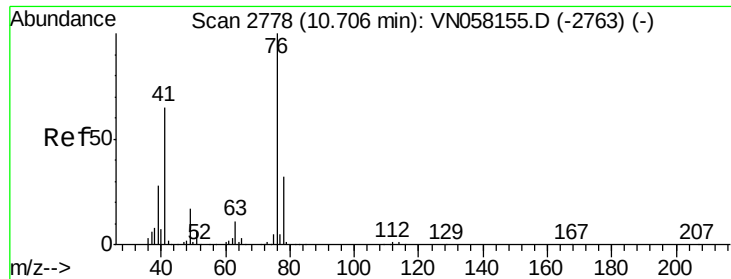
Delta R.T. 0.00 min

Lab File: VN058155.D

Acq: 18 Sep 2019 10:27

Tgt Ion:	69	Resp:	496420
Ion	Ratio	Lower	Upper
69	100		
41	71.9	57.5	86.3
39	45.1	36.1	54.1





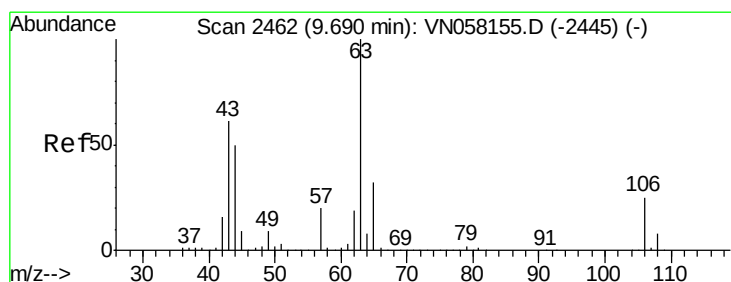
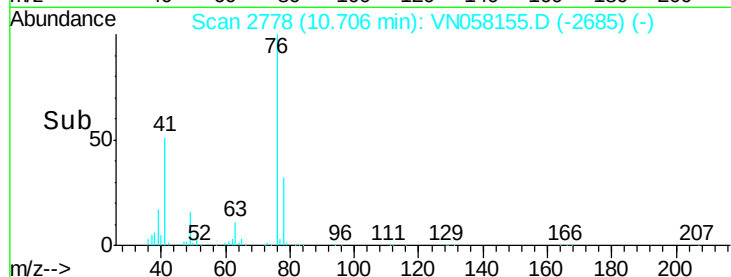
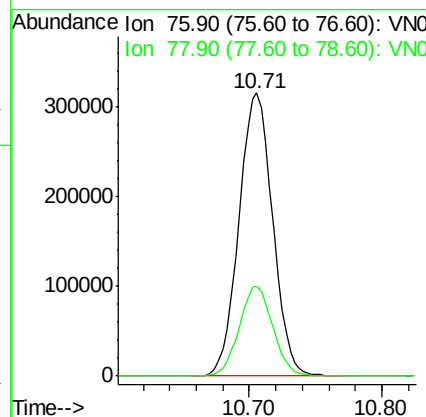
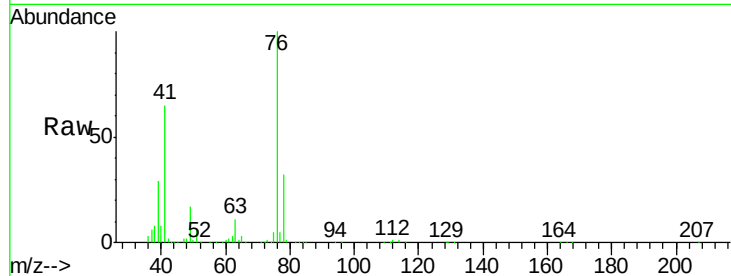
#57
 1,3-Dichloropropane
 Concen: 34.507 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion: 76 Resp: 556934
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.4 38.0

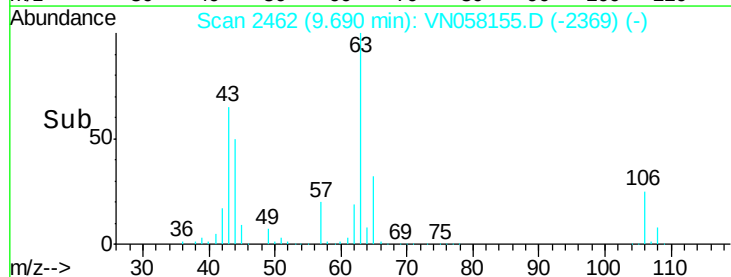
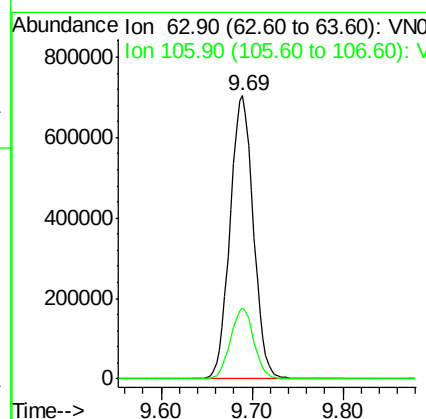
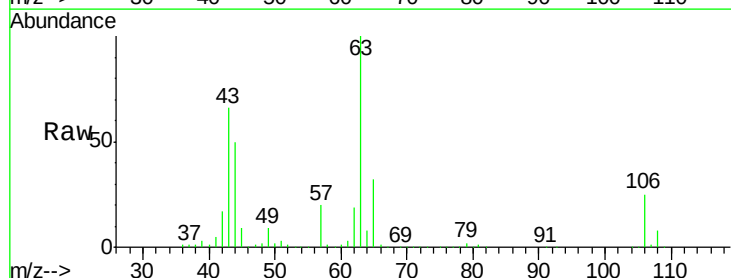
Manual Integrations
 APPROVED

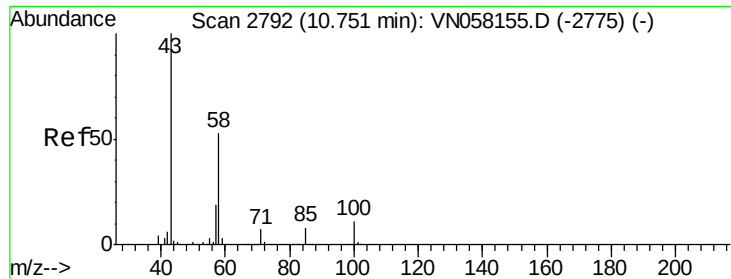
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 9/20/2019 1:14:24 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 191.490 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Tgt Ion: 63 Resp: 1253079
 Ion Ratio Lower Upper
 63 100
 106 24.9 19.9 29.9





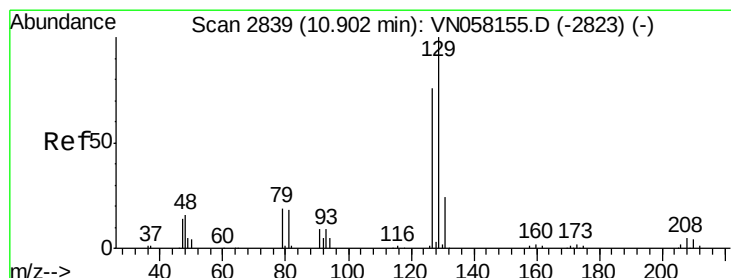
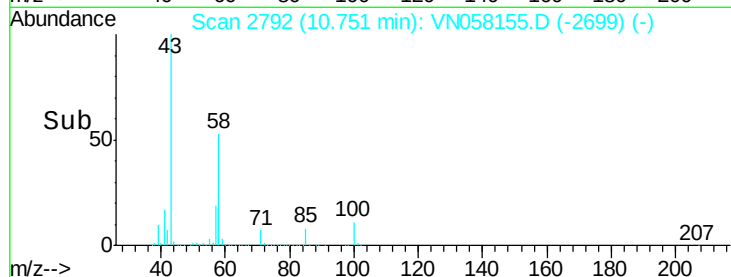
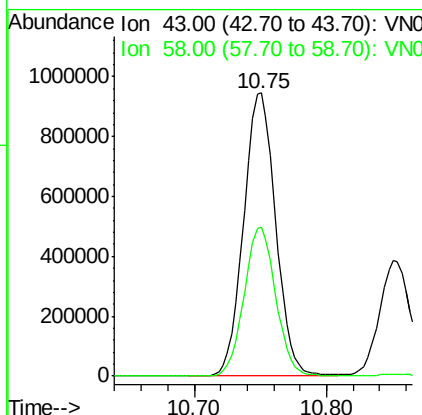
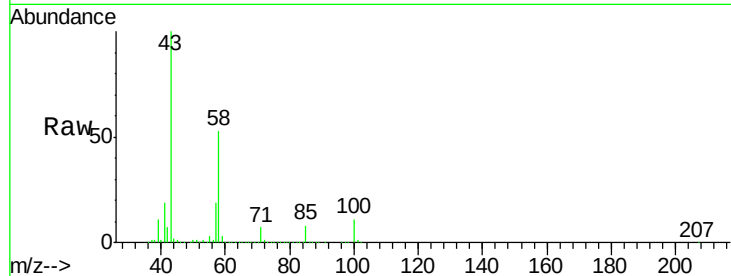
#59
2-Hexanone
Concen: 178.741 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058155.D
Acq: 18 Sep 2019 10:27

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion: 43 Resp: 1589027
Ion Ratio Lower Upper
43 100
58 52.0 26.0 78.0

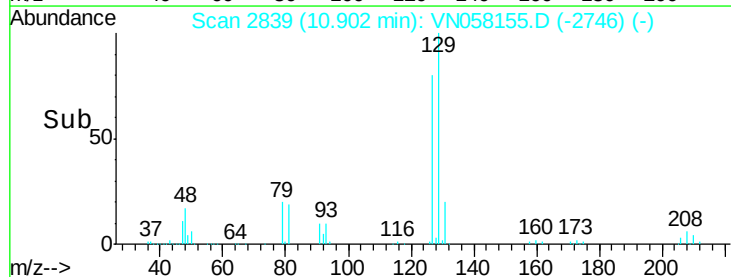
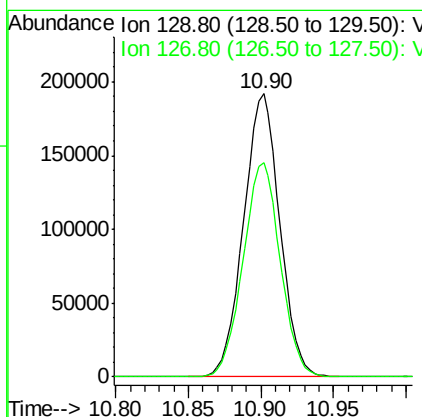
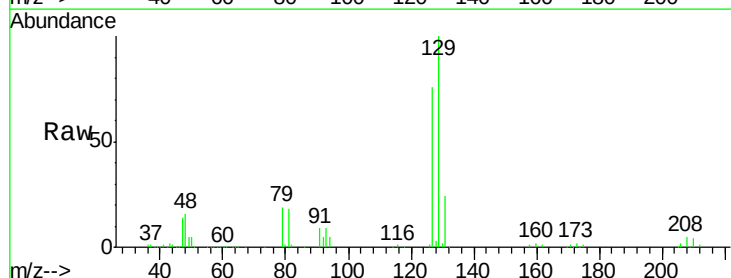
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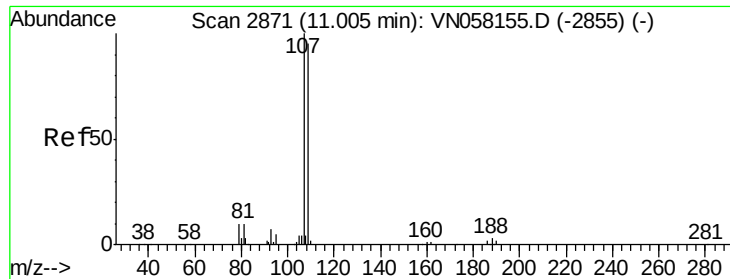
MMDadoda
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#60
Dibromochloromethane
Concen: 38.562 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN058155.D
Acq: 18 Sep 2019 10:27

Tgt Ion: 129 Resp: 334757
Ion Ratio Lower Upper
129 100
127 77.4 38.7 116.1





#61

1,2-Dibromoethane

Concen: 34.309 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN058155.D

Acq: 18 Sep 2019 10:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:107 Resp: 302861

Ion Ratio Lower Upper

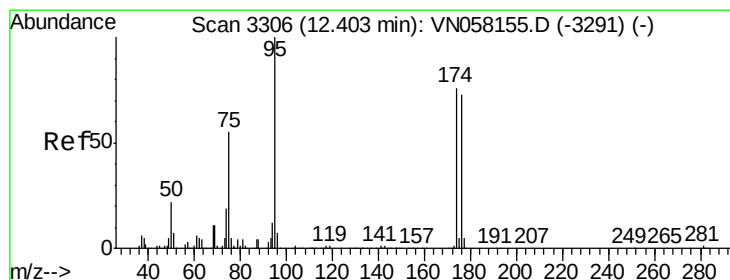
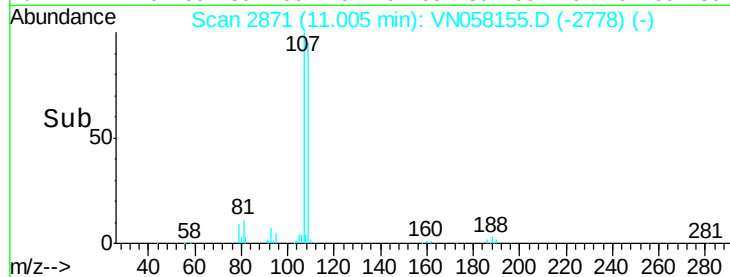
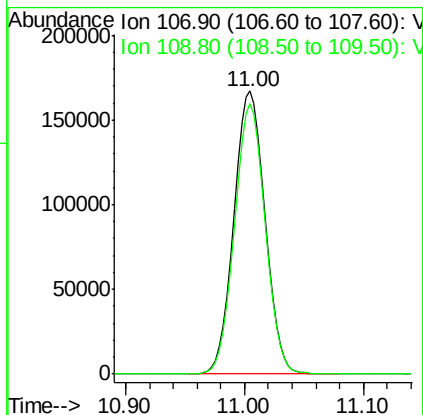
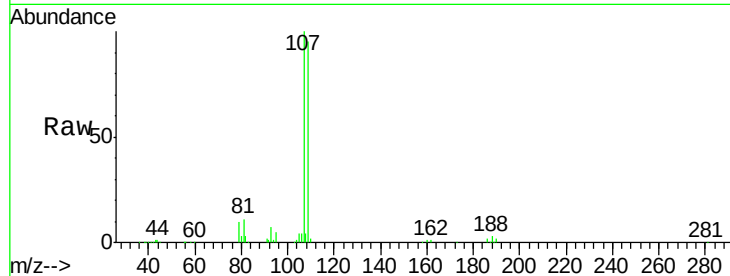
107 100

109 94.3 75.4 113.2

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#62

4-Bromofluorobenzene

Concen: 35.349 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058155.D

Acq: 18 Sep 2019 10:27

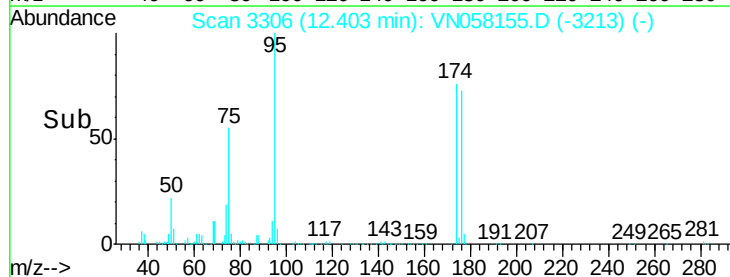
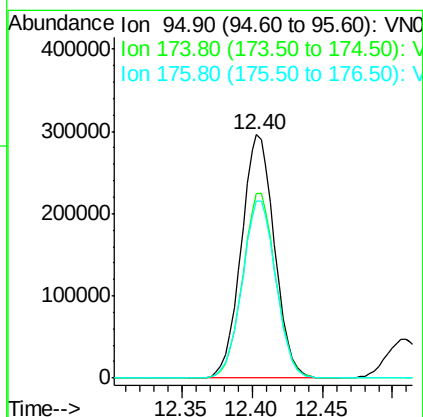
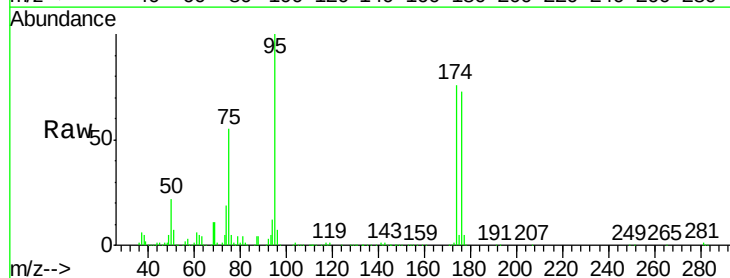
Tgt Ion: 95 Resp: 486301

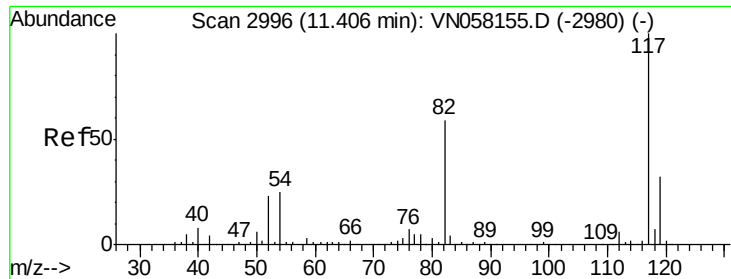
Ion Ratio Lower Upper

95 100

174 76.1 0.0 152.2

176 74.0 0.0 148.0





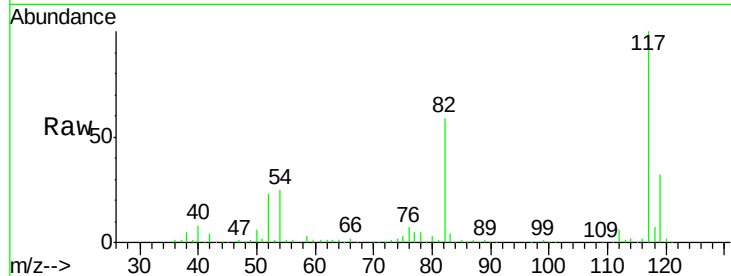
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058155.D
Acq: 18 Sep 2019 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

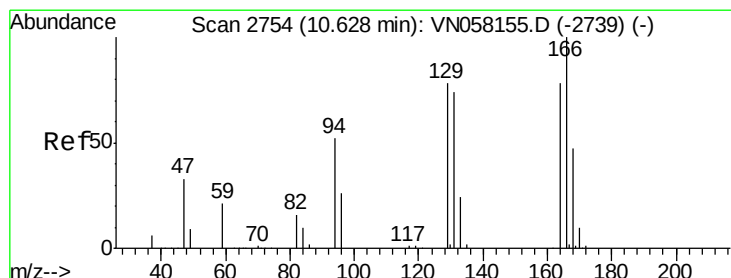
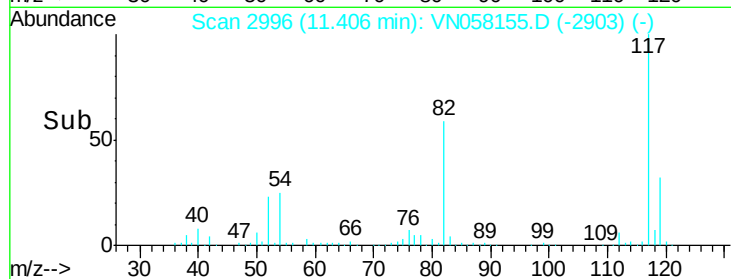
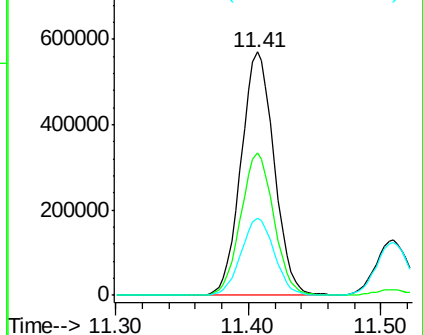
Tot Ion	Ratio	Lower	Upper
117	100		
82	58.6	46.9	70.3
119	31.6	25.3	37.9

Manual Integrations
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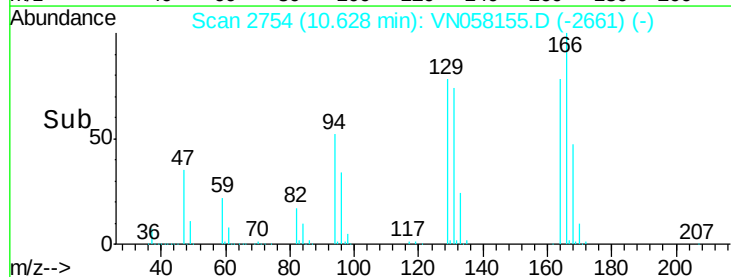
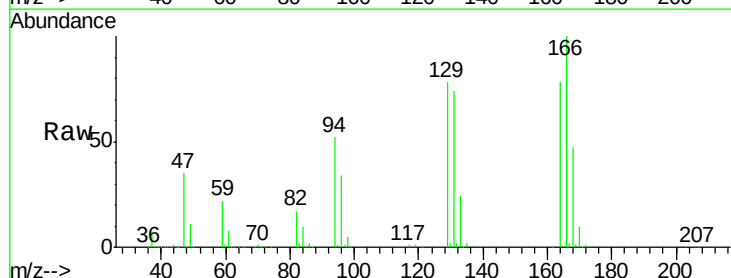
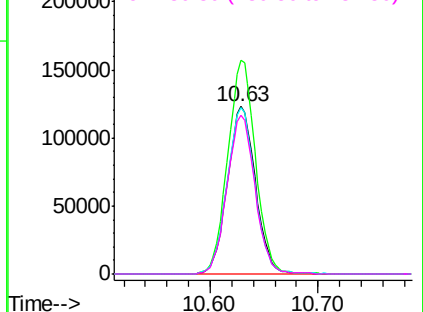
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

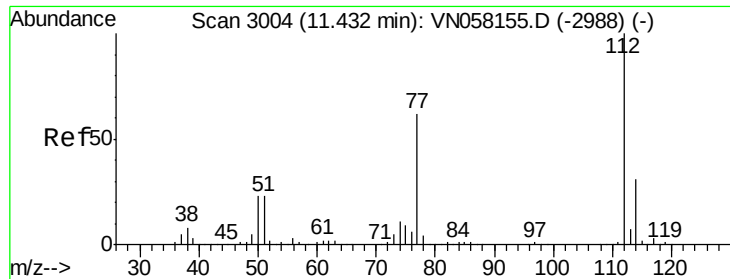


#64
Tetrachloroethene
Concen: 32.364 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058155.D
Acq: 18 Sep 2019 10:27

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.8	102.2	153.4
129	99.5	79.6	119.4
131	95.0	76.0	114.0

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 34.150 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN058155.D

Acq: 18 Sep 2019 10:27

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion:112 Resp: 828555

Ion Ratio Lower Upper

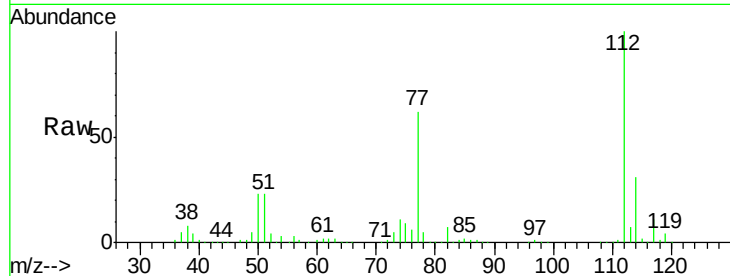
112 100

114 31.4 25.1 37.7

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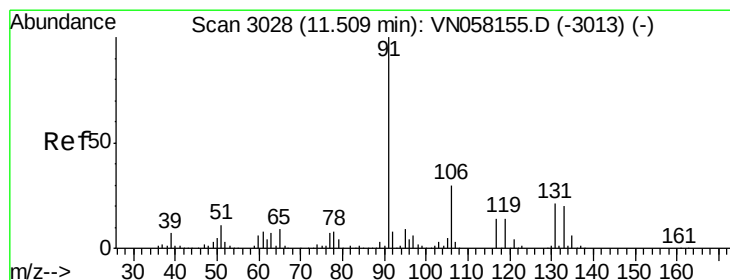
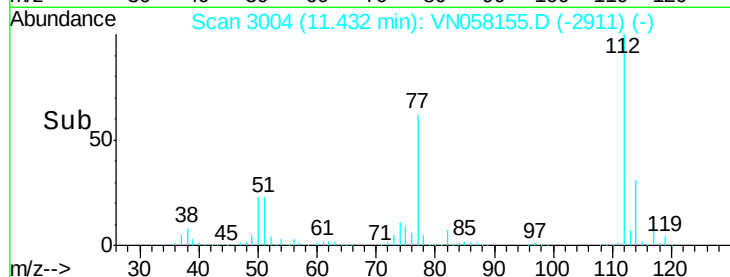
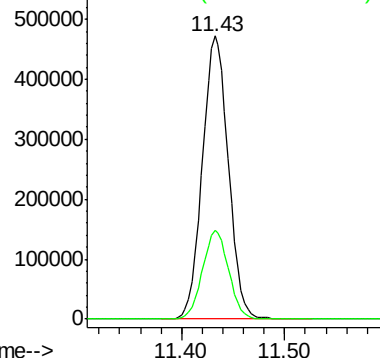
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 38.098 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058155.D

Acq: 18 Sep 2019 10:27

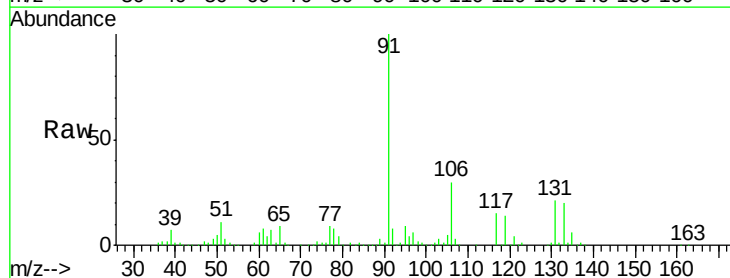
Tgt Ion:131 Resp: 321555

Ion Ratio Lower Upper

131 100

133 95.5 47.8 143.3

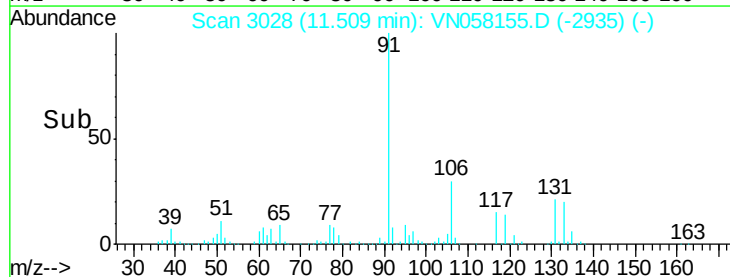
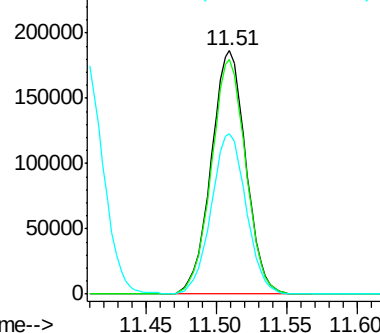
119 66.2 33.1 99.3

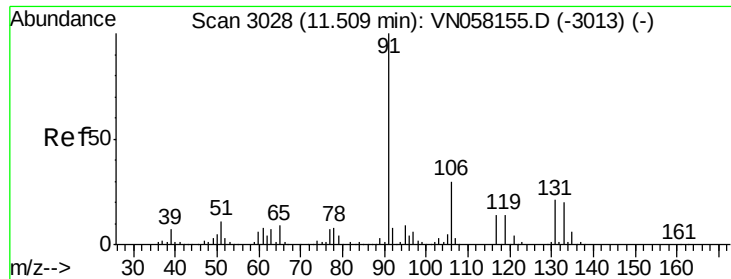


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





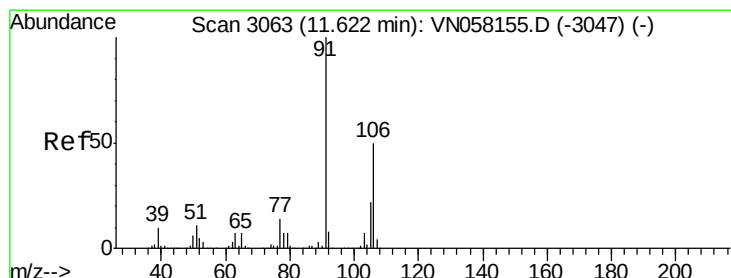
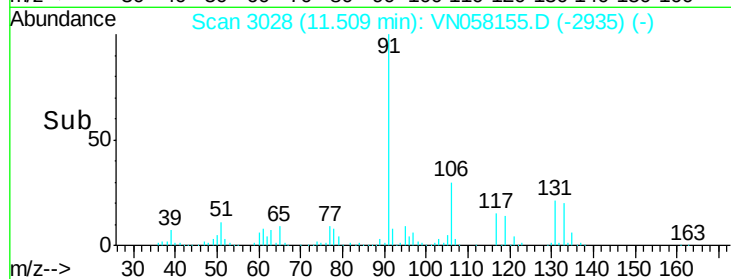
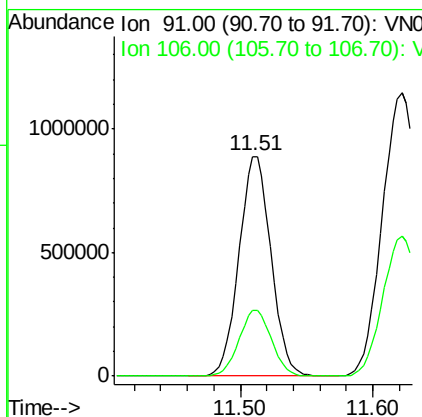
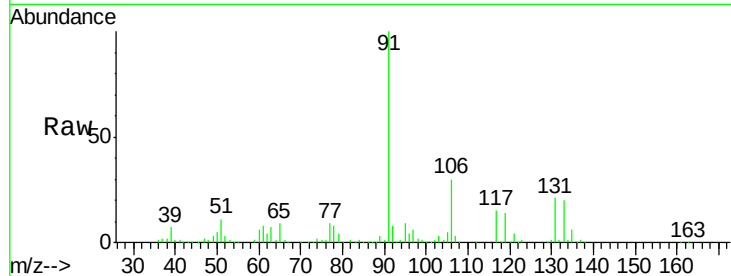
#67
Ethyl Benzene
Concen: 35.150 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058155.D
Acq: 18 Sep 2019 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 1493087
Ion Ratio Lower Upper
91 100
106 30.0 24.0 36.0

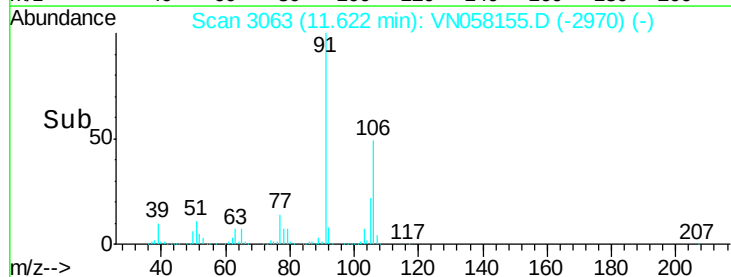
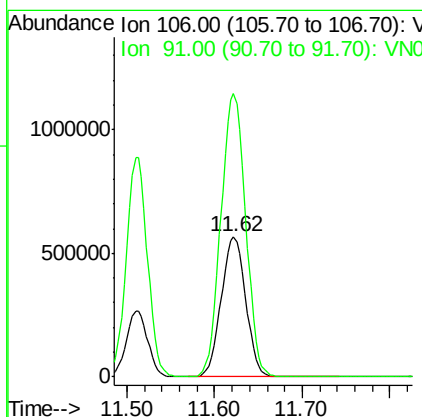
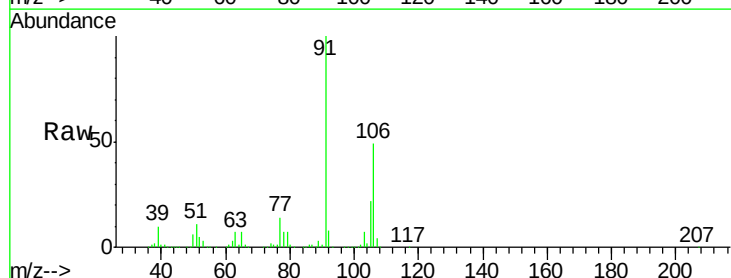
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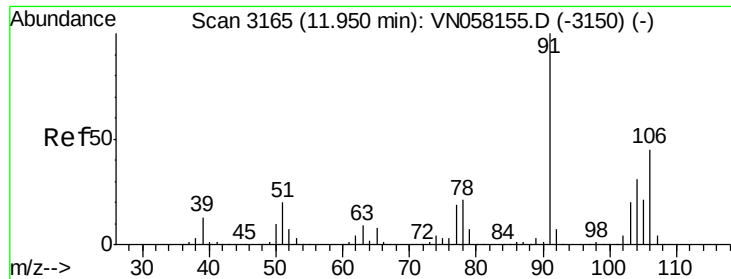
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#68
m/p-Xylenes
Concen: 70.637 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058155.D
Acq: 18 Sep 2019 10:27

Tgt Ion: 106 Resp: 1098680
Ion Ratio Lower Upper
106 100
91 204.5 163.6 245.4





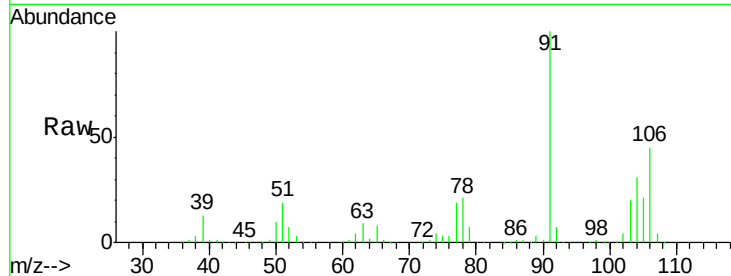
#69
o-Xylene
Concen: 35.237 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058155.D
Acq: 18 Sep 2019 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

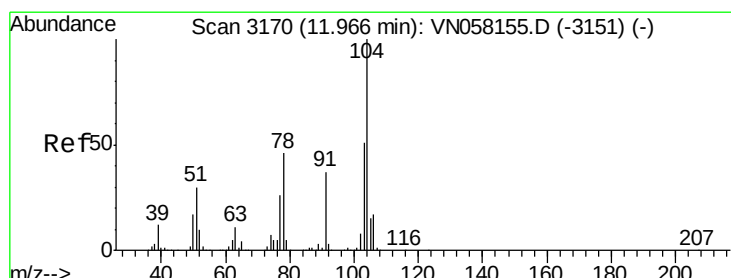
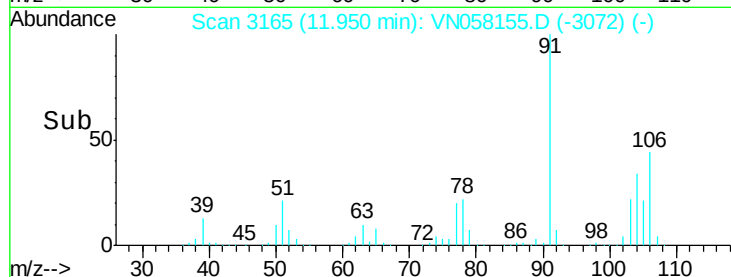
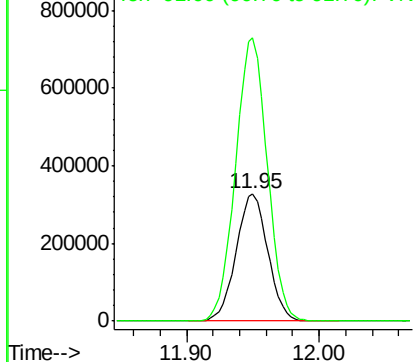
Tot Ion:106 Resp: 543200
Ion Ratio Lower Upper
106 100
91 223.5 111.8 335.3

Manual Integrations
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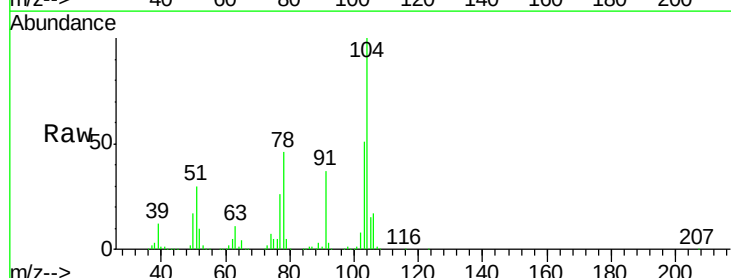


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

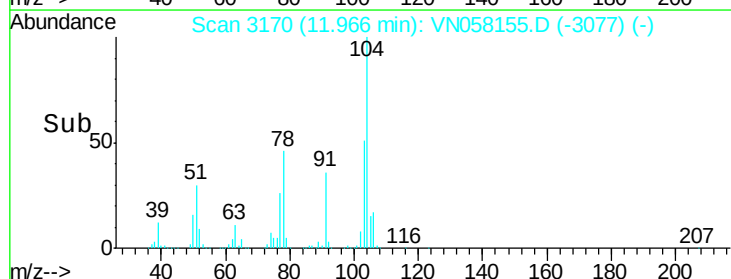
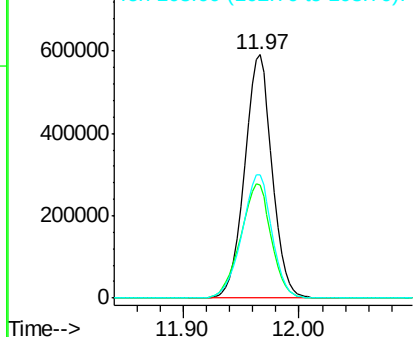


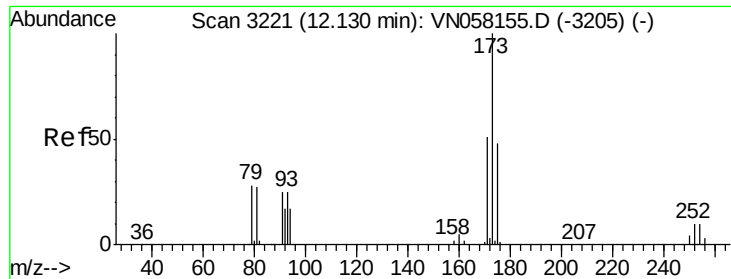
#70
Styrene
Concen: 36.807 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058155.D
Acq: 18 Sep 2019 10:27

Tgt Ion:104 Resp: 976315
Ion Ratio Lower Upper
104 100
78 52.3 41.8 62.8
103 55.2 44.2 66.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





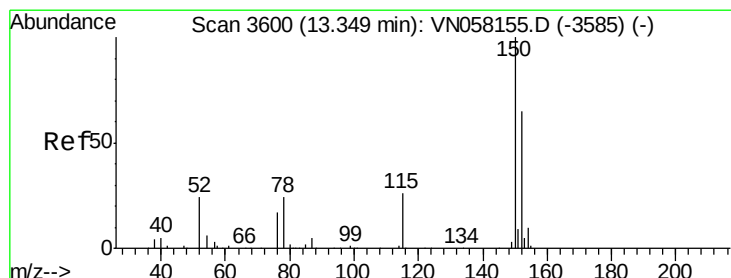
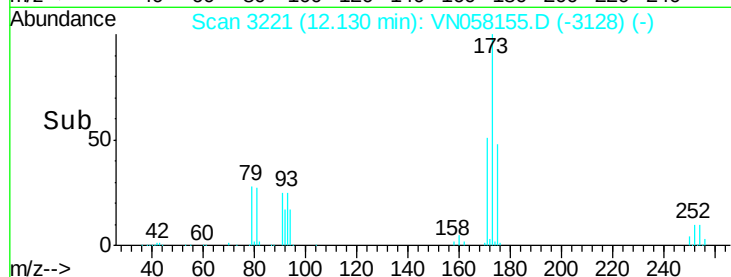
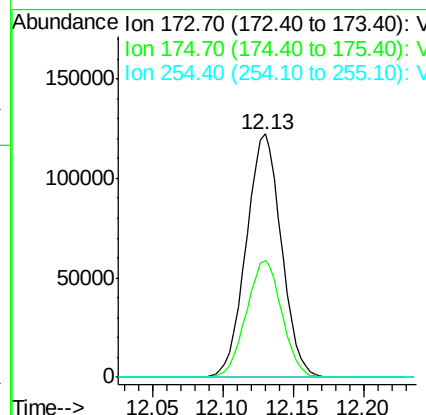
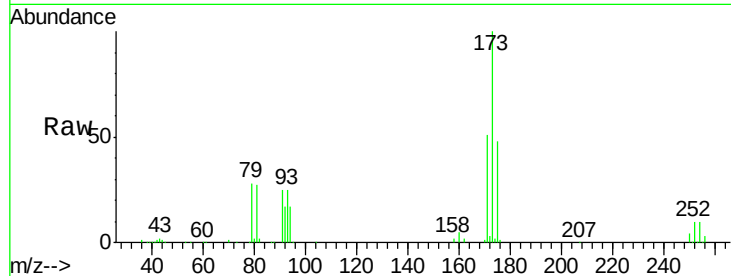
#71
Bromoform
Concen: 40.929 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN058155.D
Acq: 18 Sep 2019 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.2	72.6
254	0.1	0.1	0.1#

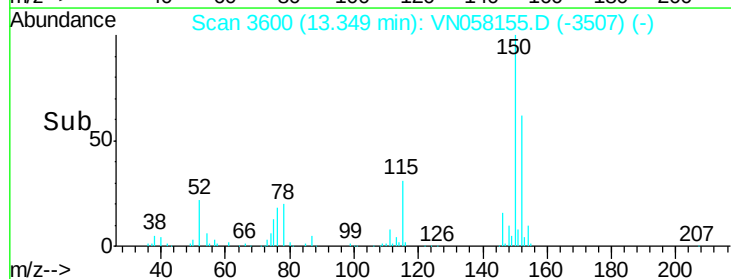
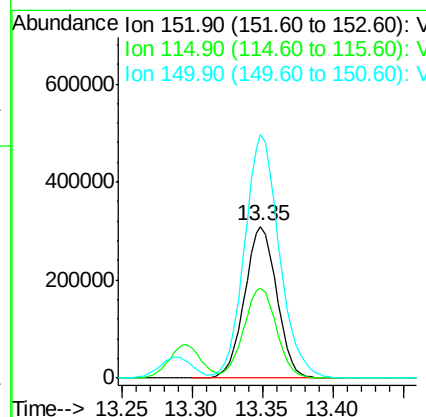
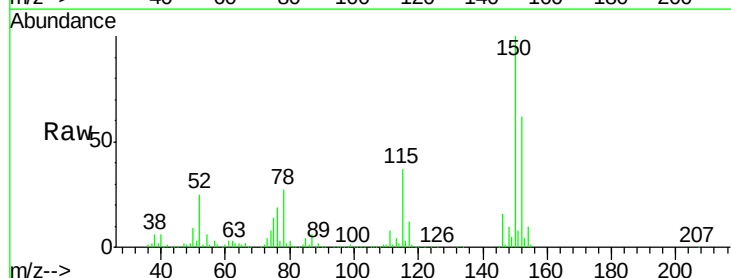
Manual Integrations
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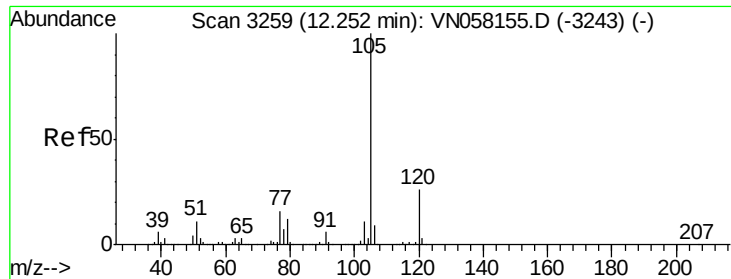
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN058155.D
Acq: 18 Sep 2019 10:27

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.2	30.1	90.3
150	173.2	0.0	346.4





#73

Isopropylbenzene

Concen: 41.884 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058155.D

Acq: 18 Sep 2019 10:27

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion:105 Resp: 1553330

Ion Ratio Lower Upper

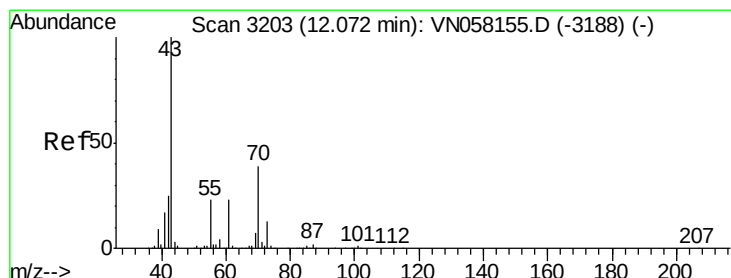
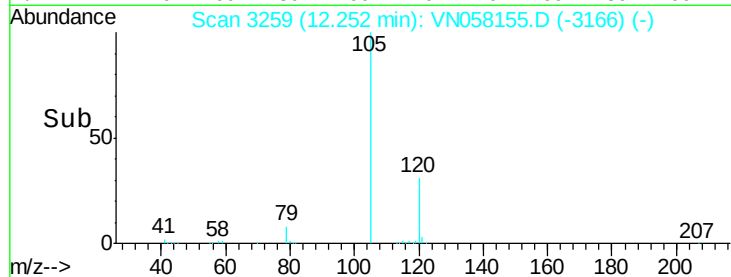
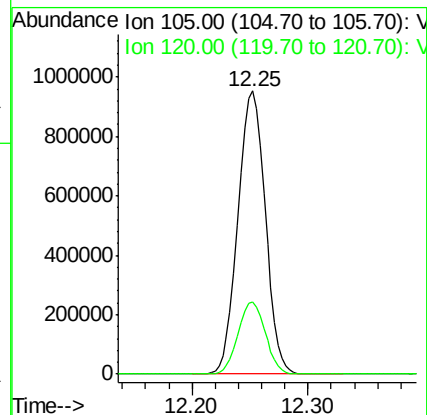
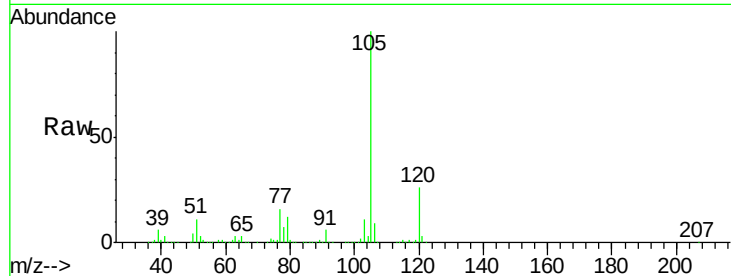
105 100

120 25.5 12.8 38.3

Manual Integrations
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#74

N-ethyl acetate

Concen: 42.107 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058155.D

Acq: 18 Sep 2019 10:27

Tgt Ion: 43 Resp: 675801

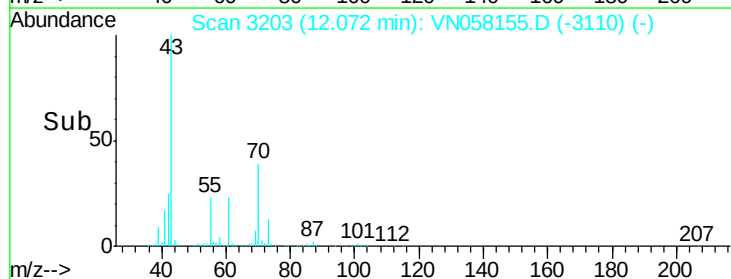
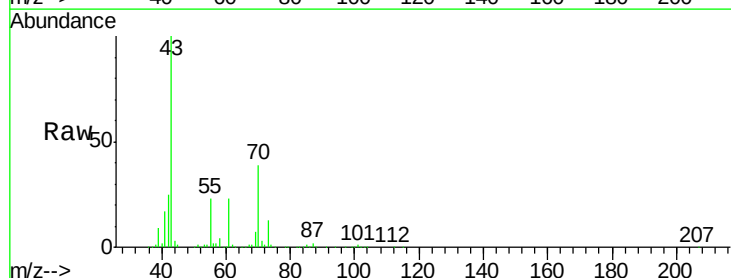
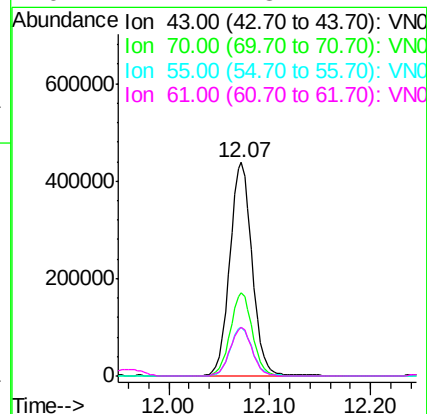
Ion Ratio Lower Upper

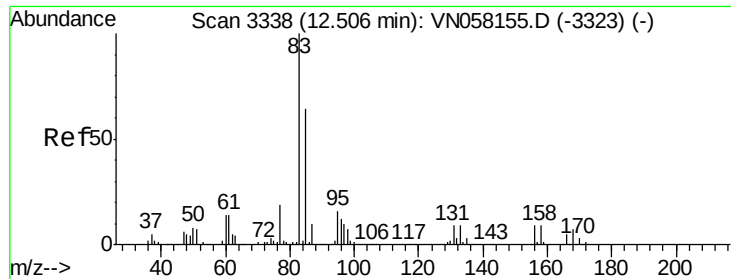
43 100

70 38.8 31.0 46.6

55 23.1 18.5 27.7

61 22.7 18.2 27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 40.765 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058155.D

Acq: 18 Sep 2019 10:27

Instrument :

MSVOA_N

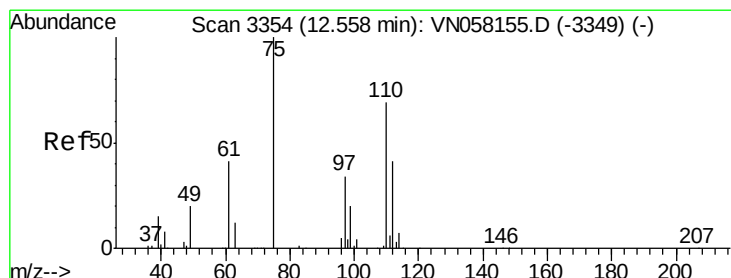
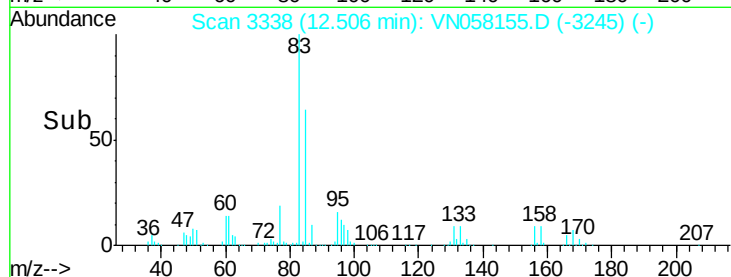
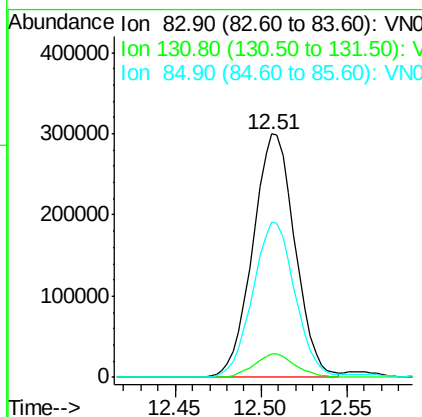
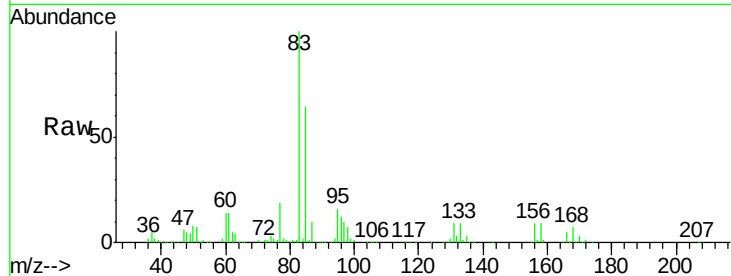
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	508721
Ion Ratio	Lower	Upper	
83	100		
131	9.5	4.8	14.3
85	63.7	31.9	95.5

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#76

1,2,3-Trichloropropane

Concen: 39.439 ug/l m

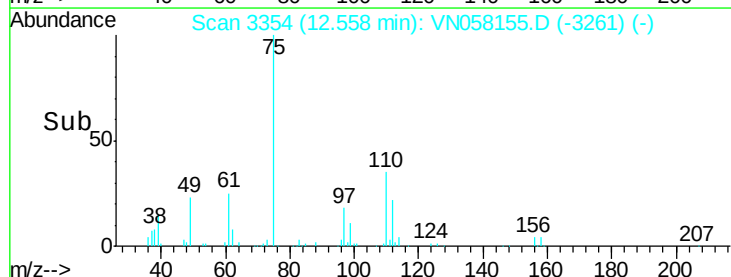
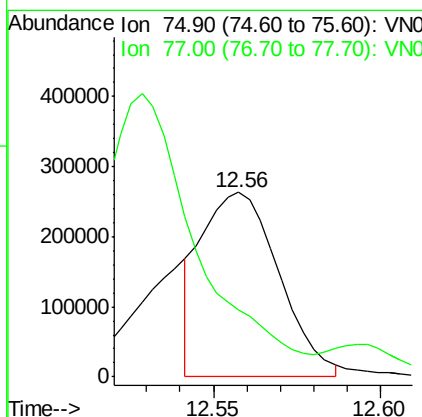
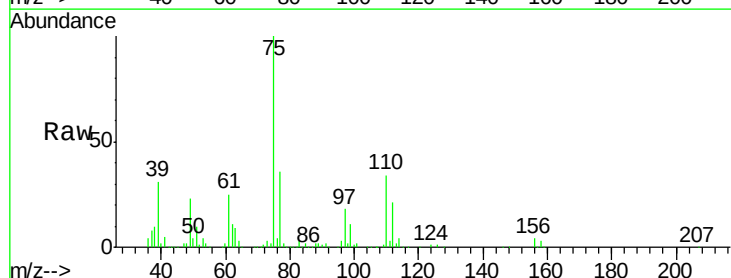
RT: 12.56 min Scan# 3354

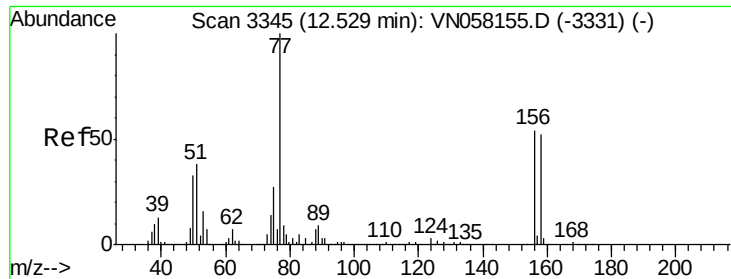
Delta R.T. 0.00 min

Lab File: VN058155.D

Acq: 18 Sep 2019 10:27

Tgt Ion:	75	Resp:	423488
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 39.652 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058155.D

Acq: 18 Sep 2019 10:27

Instrument :

MSVOA_N

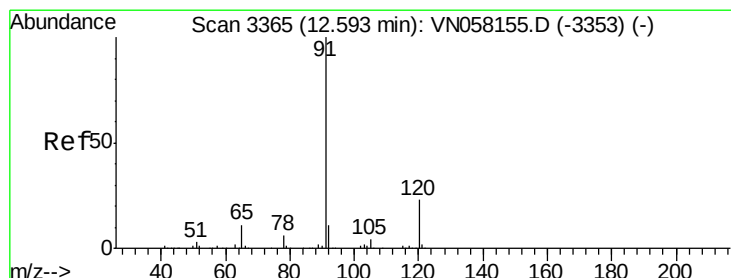
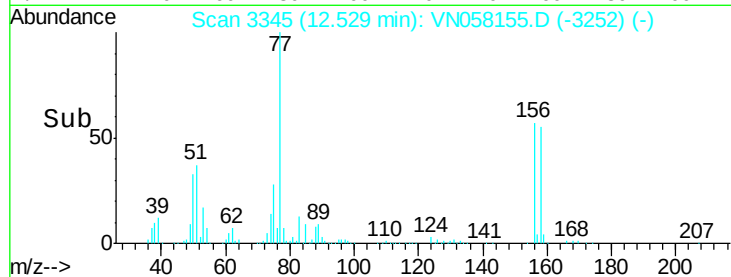
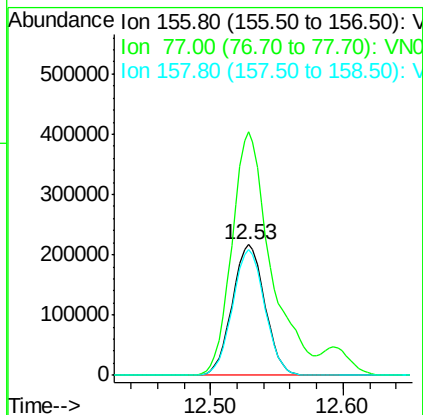
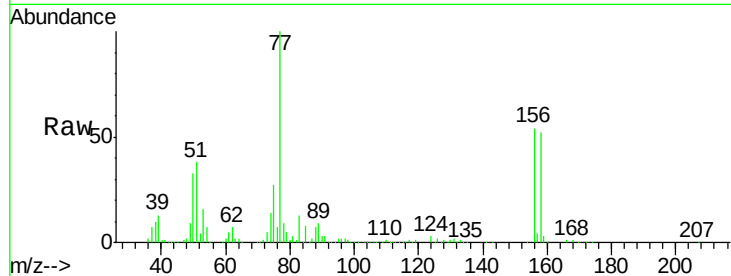
ClientSampleId :

VSTDICCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	223.4	111.7	335.1
158	95.9	47.9	143.8

Manual Integrations
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#78

n-propylbenzene

Concen: 42.594 ug/l

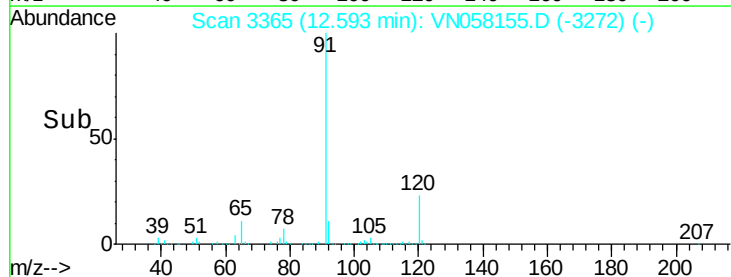
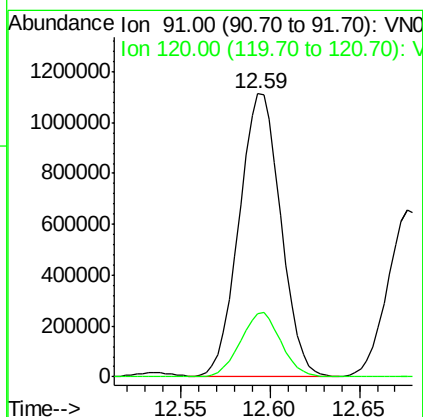
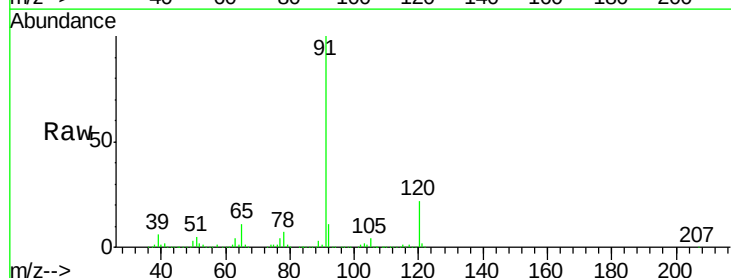
RT: 12.59 min Scan# 3365

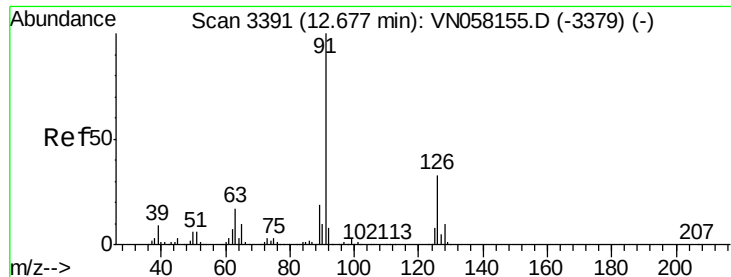
Delta R.T. 0.00 min

Lab File: VN058155.D

Acq: 18 Sep 2019 10:27

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.1	33.3





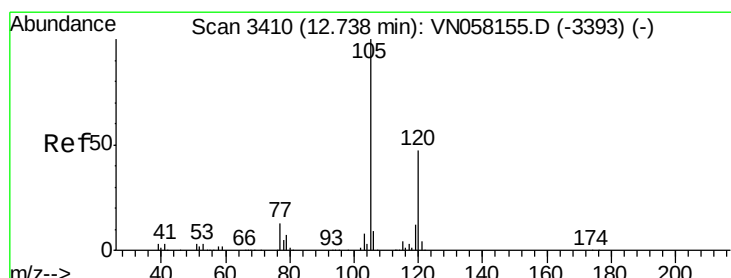
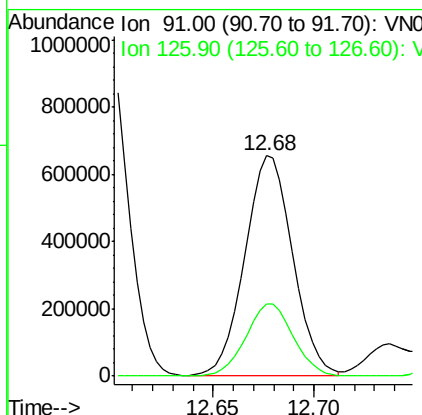
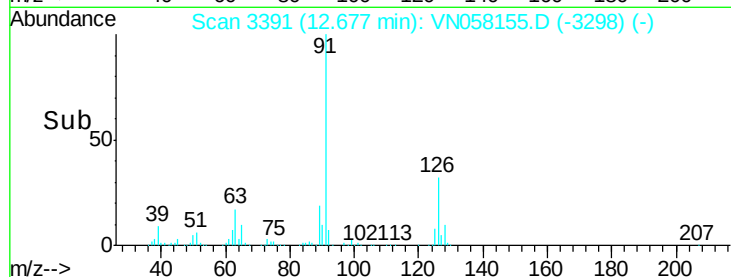
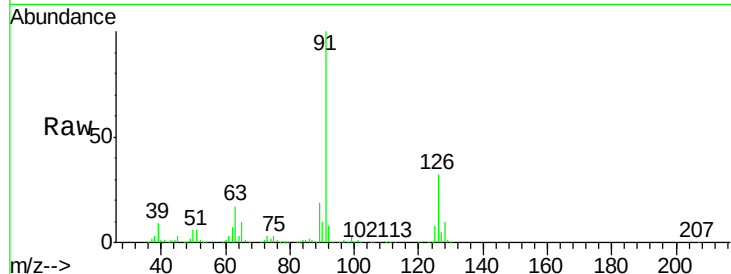
#79
2-Chlorotoluene
Concen: 40.250 ug/l
RT: 12.68 min Scan# 3391
Delta R.T. 0.00 min
Lab File: VN058155.D
Acq: 18 Sep 2019 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 1084470
Ion Ratio Lower Upper
91 100
126 32.7 16.4 49.1

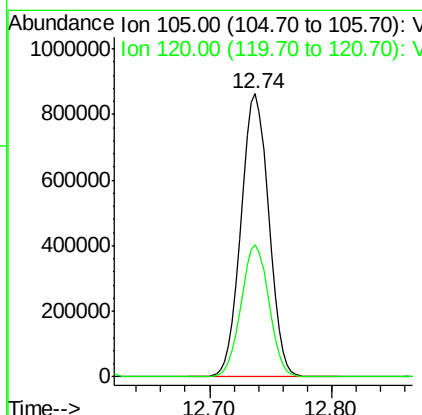
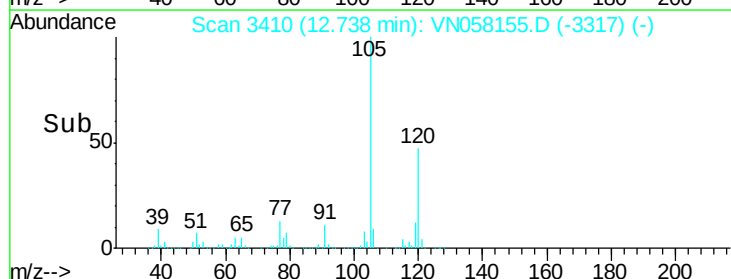
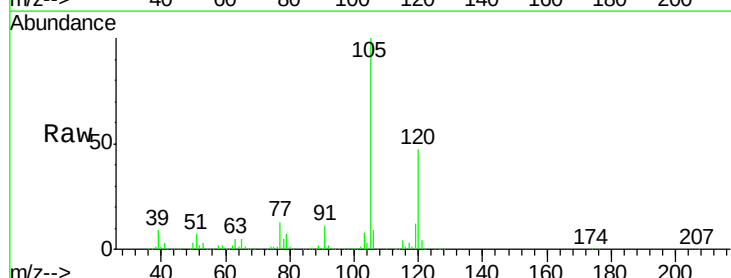
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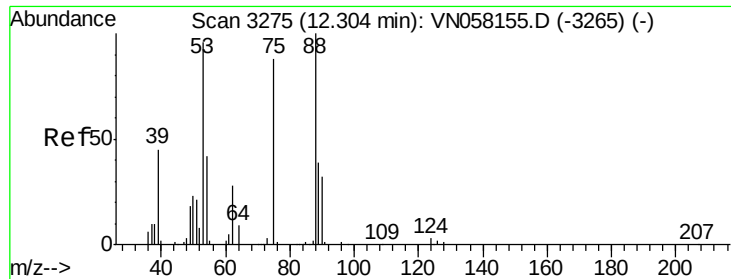
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#80
1,3,5-Trimethylbenzene
Concen: 43.004 ug/l
RT: 12.74 min Scan# 3410
Delta R.T. 0.00 min
Lab File: VN058155.D
Acq: 18 Sep 2019 10:27

Tgt Ion: 105 Resp: 1349044
Ion Ratio Lower Upper
105 100
120 46.7 23.4 70.0





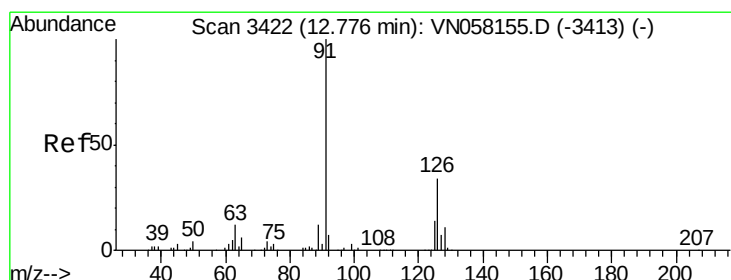
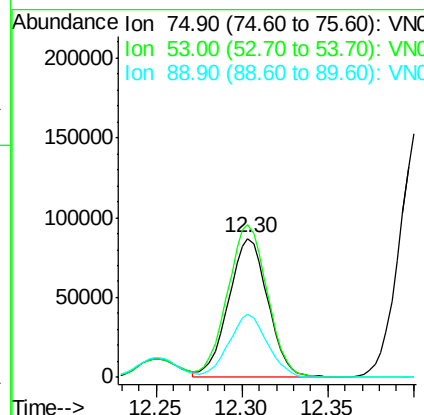
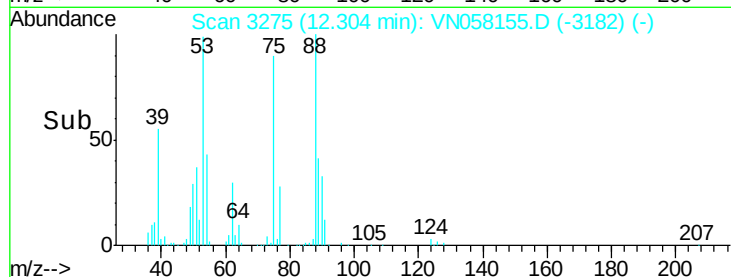
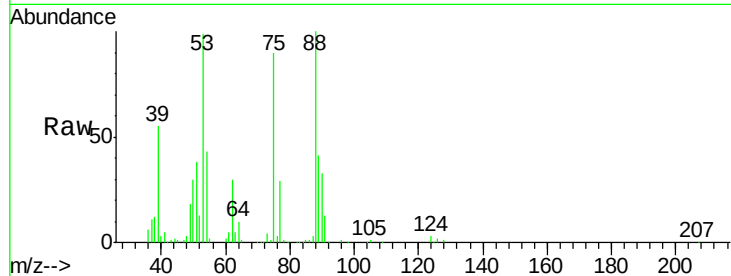
#81
trans-1,4-Dichloro-2-butene
Concen: 45.356 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN058155.D
Acq: 18 Sep 2019 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	112.6	90.1	135.1
89	45.2	36.2	54.2

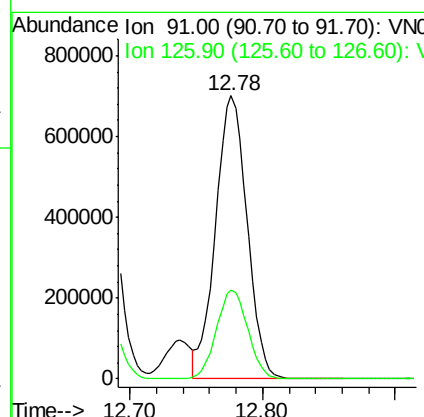
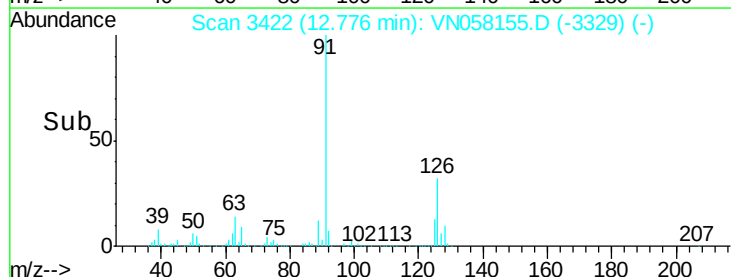
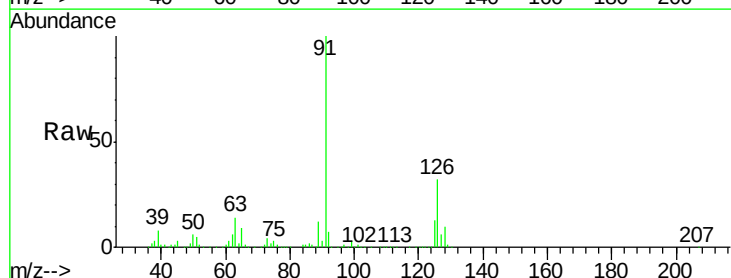
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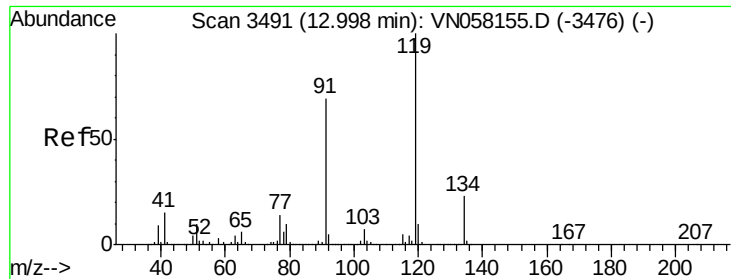
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#82
4-Chlorotoluene
Concen: 41.728 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN058155.D
Acq: 18 Sep 2019 10:27

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.7	47.1





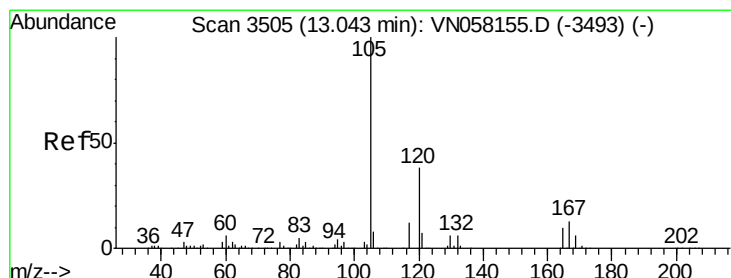
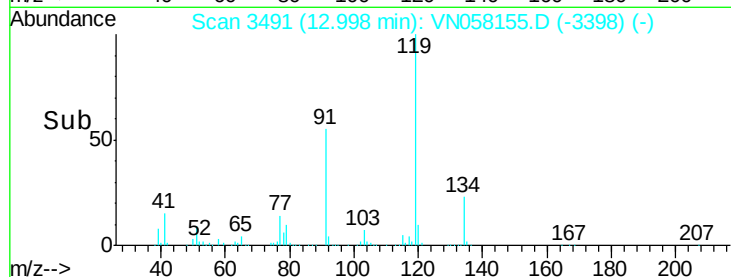
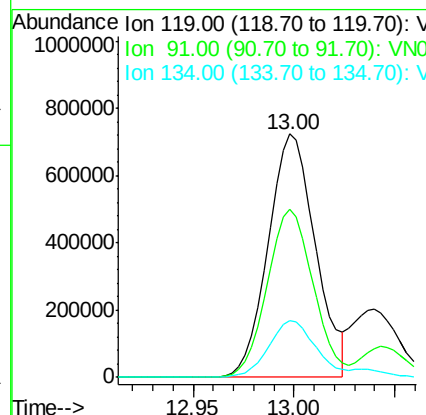
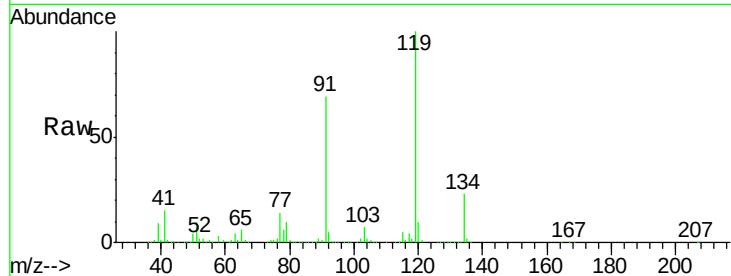
#83
 tert-Butylbenzene
 Concen: 42.268 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion:119 Resp: 1178203
 Ion Ratio Lower Upper
 119 100
 91 67.5 33.8 101.3
 134 23.2 11.6 34.8

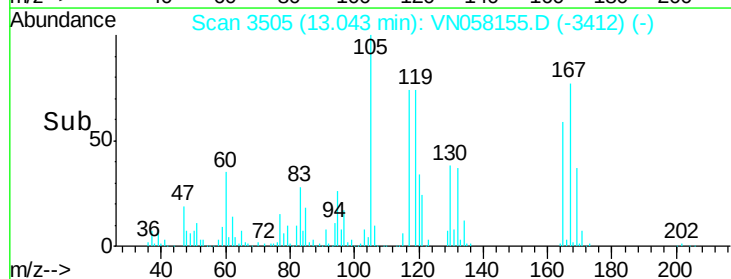
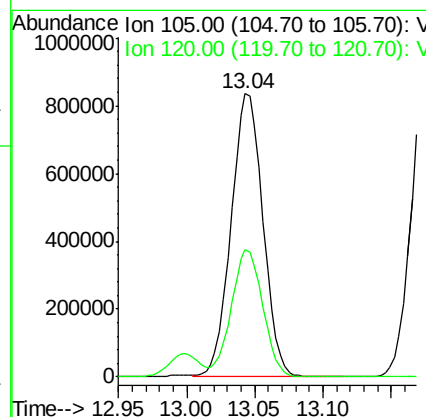
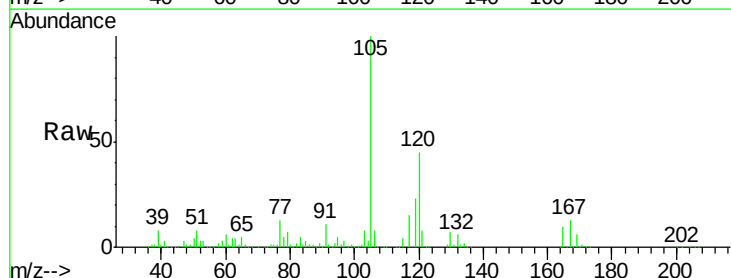
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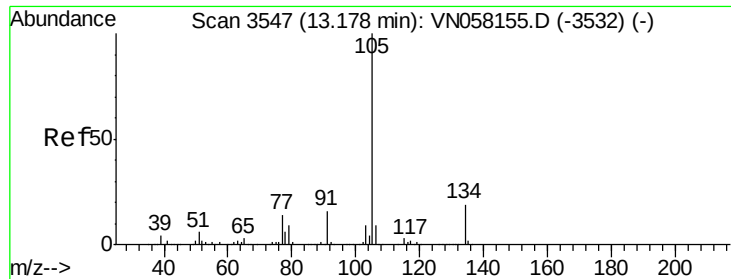
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#84
 1,2,4-Trimethylbenzene
 Concen: 42.421 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Tgt Ion:105 Resp: 1348691
 Ion Ratio Lower Upper
 105 100
 120 44.3 22.1 66.5





#85

sec-Butylbenzene

Concen: 43.100 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058155.D

Acq: 18 Sep 2019 10:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 1590169

Ion Ratio Lower Upper

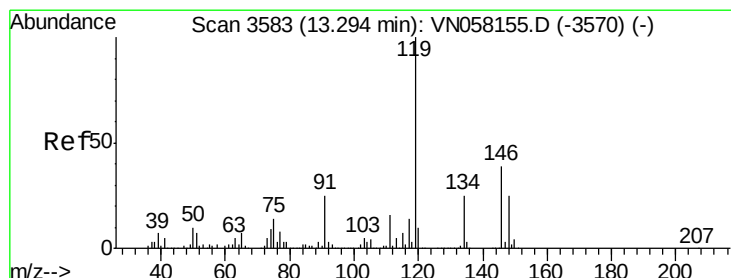
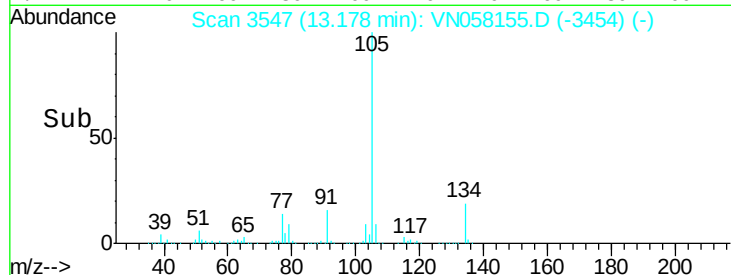
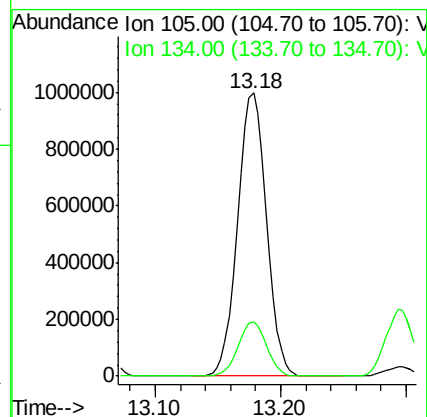
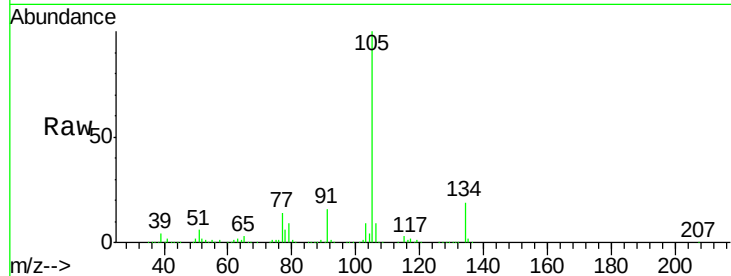
105 100

134 19.0 9.5 28.5

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 44.258 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058155.D

Acq: 18 Sep 2019 10:27

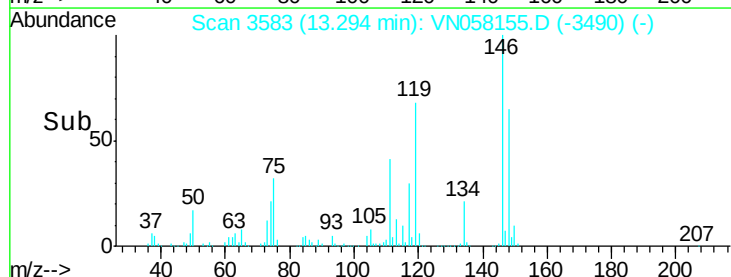
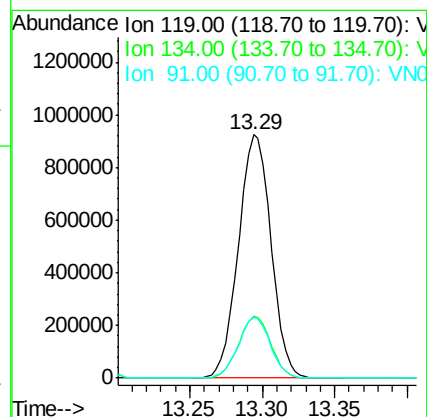
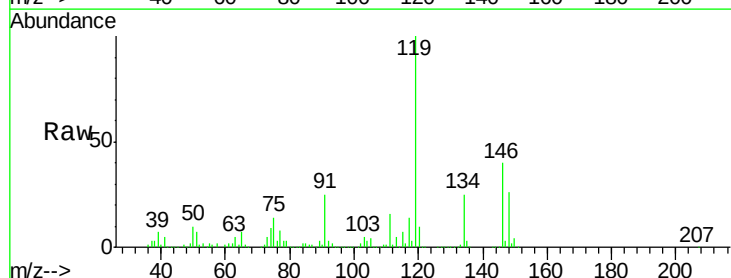
Tgt Ion:119 Resp: 1436819

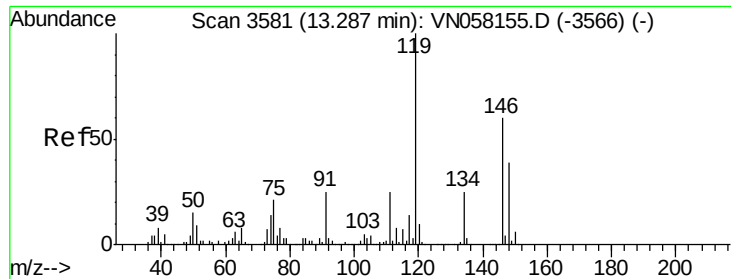
Ion Ratio Lower Upper

119 100

134 25.3 12.7 38.0

91 24.5 12.3 36.8





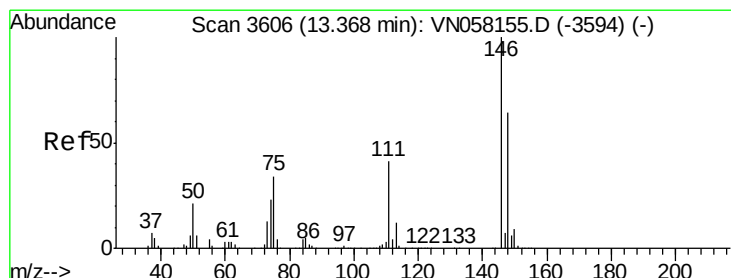
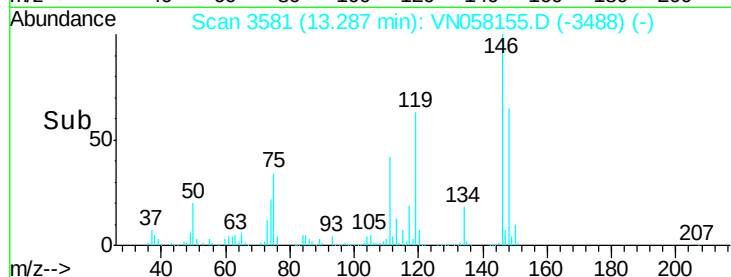
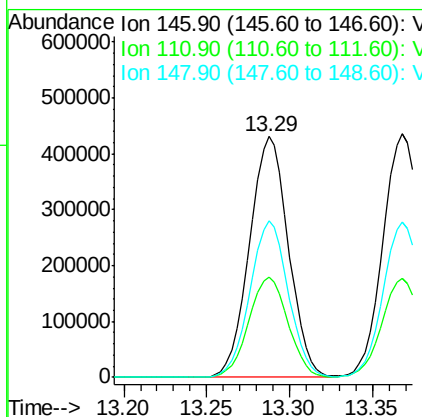
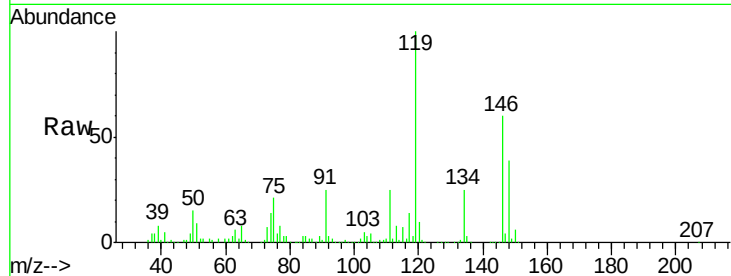
#87
 1,3-Dichlorobenzene
 Concen: 41.428 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.9	62.8
148	64.1	32.0	96.2

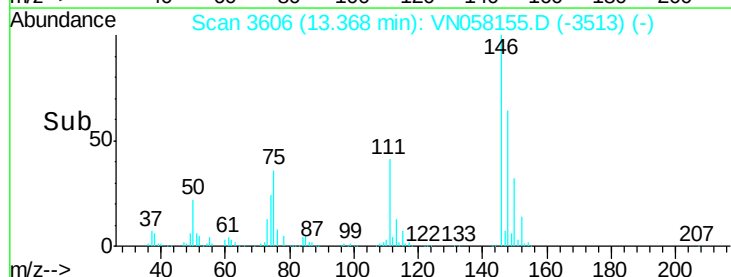
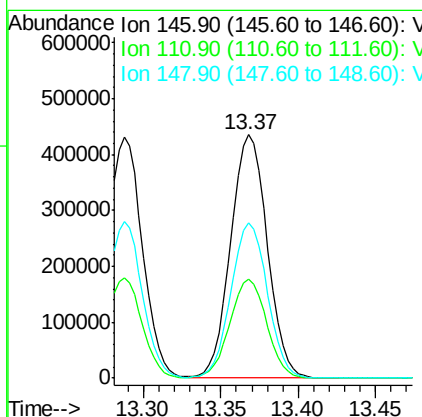
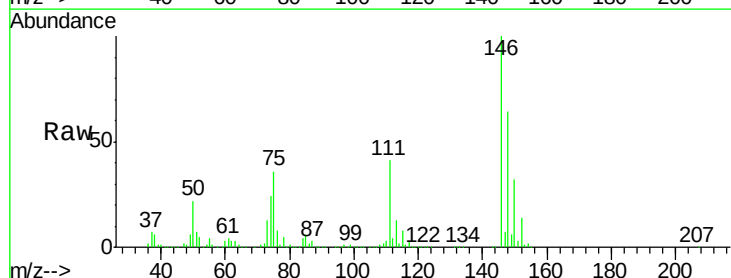
Manual Integrations
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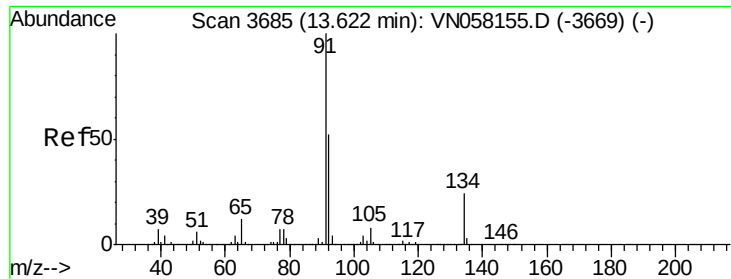
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#88
 1,4-Dichlorobenzene
 Concen: 41.316 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.5	61.5
148	63.7	31.9	95.5





#89

n-Butylbenzene

Concen: 44.411 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN058155.D

Acq: 18 Sep 2019 10:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 1366291

Ion Ratio Lower Upper

91 100

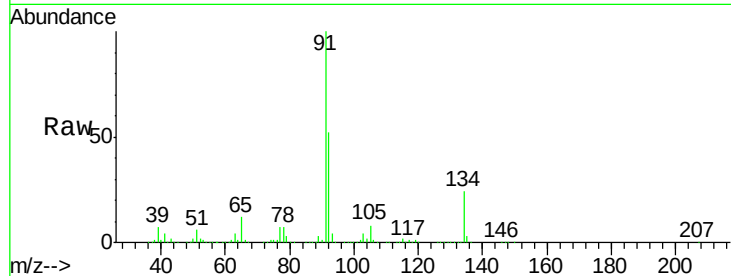
92 51.3 25.7 77.0

134 23.6 11.8 35.4

Manual Integrations
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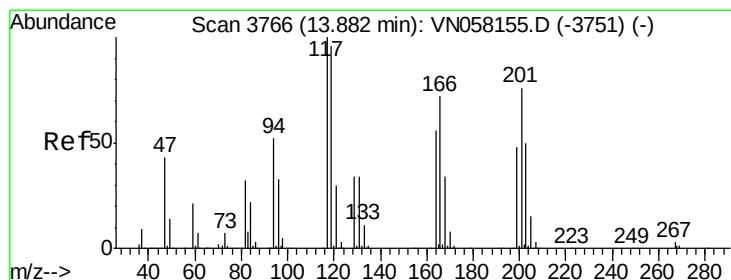
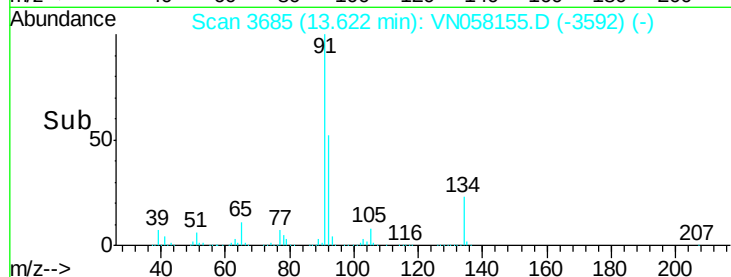
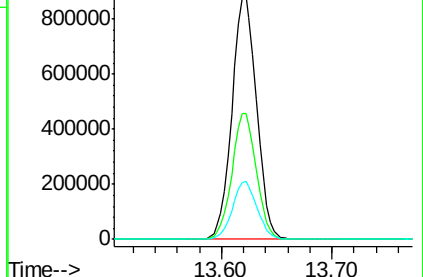
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Abundance Ion 91.00 (90.70 to 91.70): VN058155.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN058155.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN058155.D (-3669) (-)



#90

Hexachloroethane

Concen: 46.119 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN058155.D

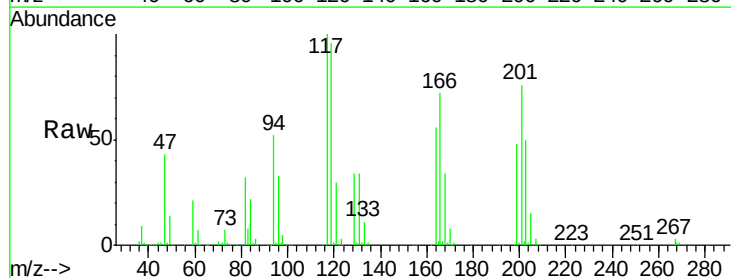
Acq: 18 Sep 2019 10:27

Tgt Ion: 117 Resp: 223930

Ion Ratio Lower Upper

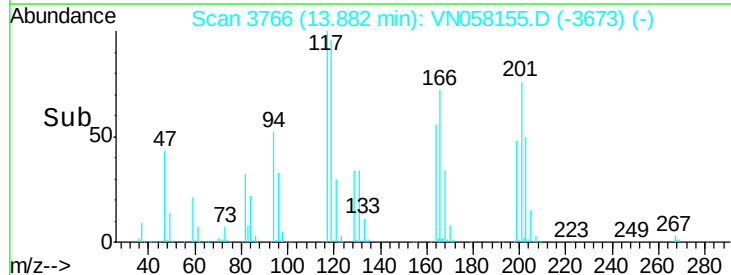
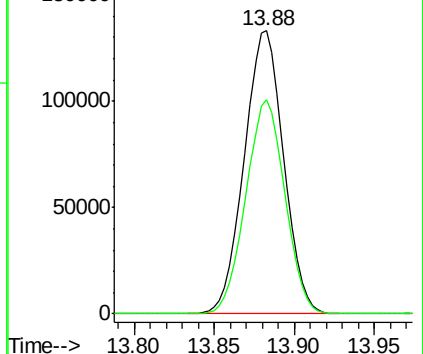
117 100

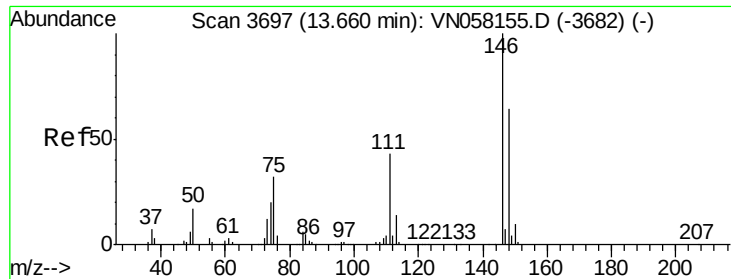
201 75.0 37.5 112.5



Abundance Ion 116.80 (116.50 to 117.50): VN058155.D (-3751) (-)

Ion 200.70 (200.40 to 201.40): VN058155.D (-3751) (-)





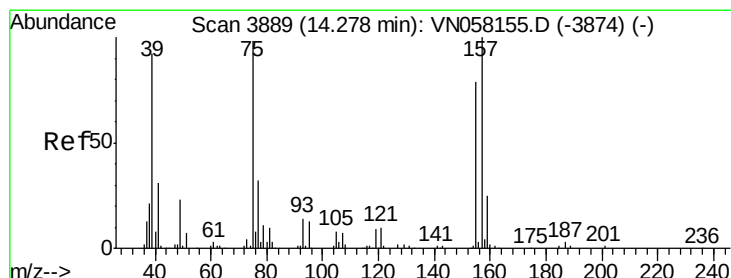
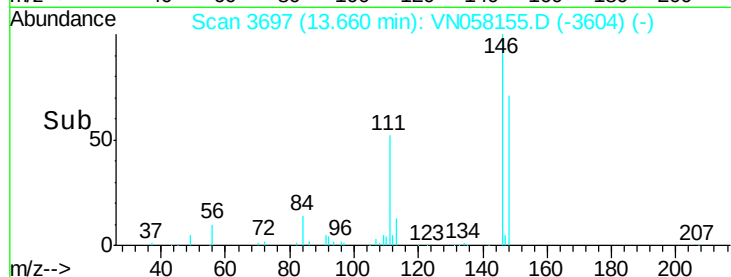
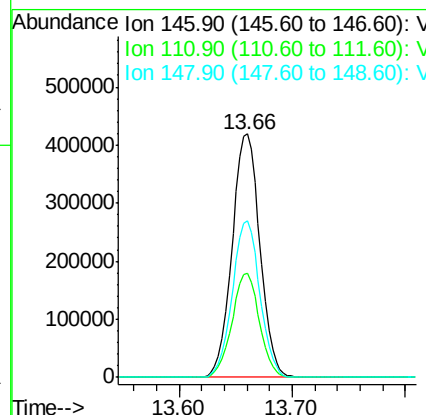
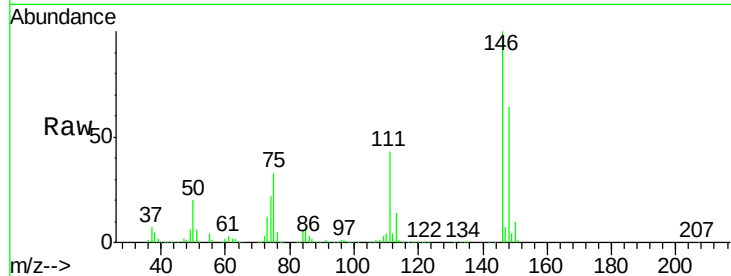
#91
 1,2-Dichlorobenzene
 Concen: 42.041 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.1	63.1
148	63.6	31.8	95.4

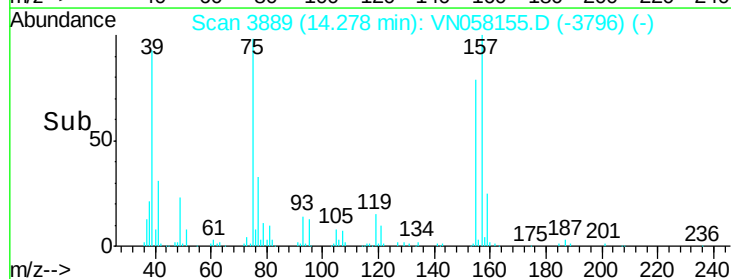
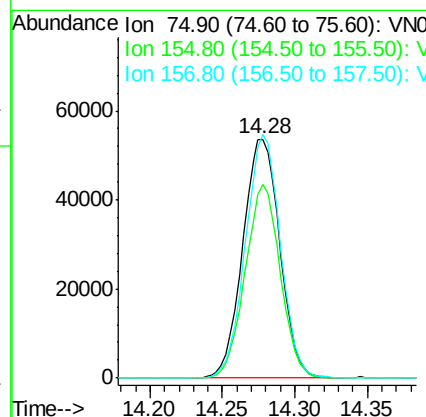
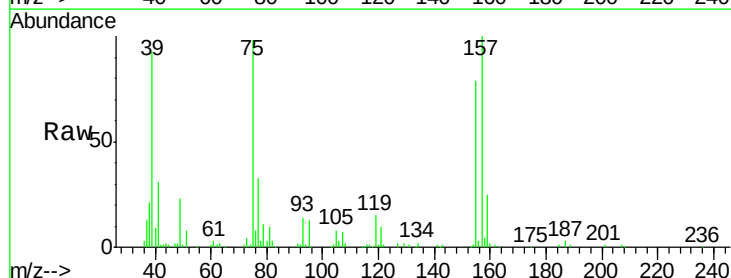
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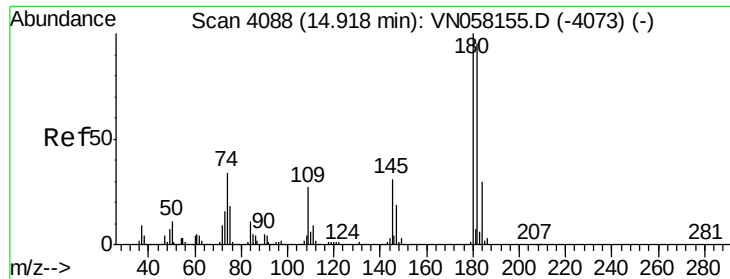
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.133 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.5	38.3	114.8
157	96.0	48.0	144.0





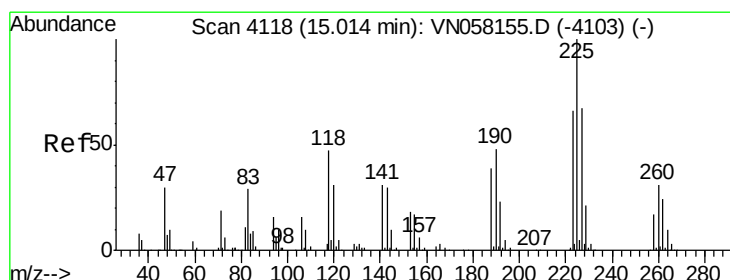
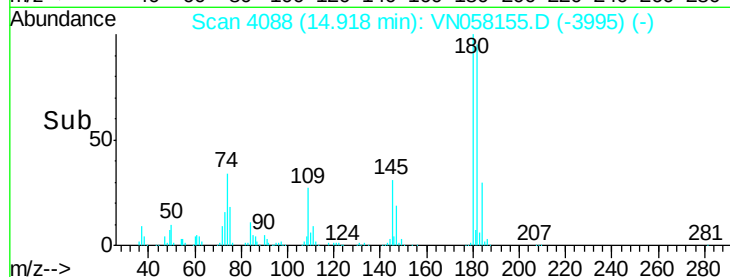
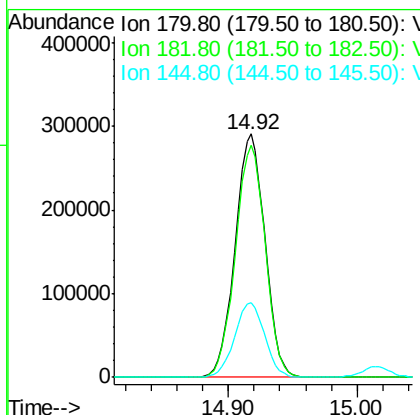
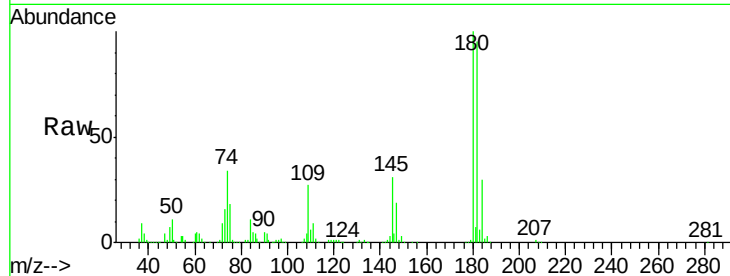
#93
 1,2,4-Trichlorobenzene
 Concen: 41.500 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.5	47.8	143.3	
145	30.9	15.4	46.4	

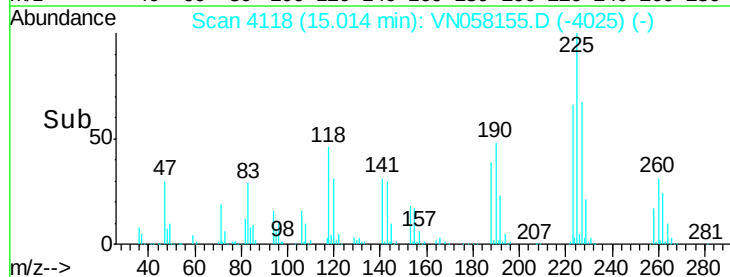
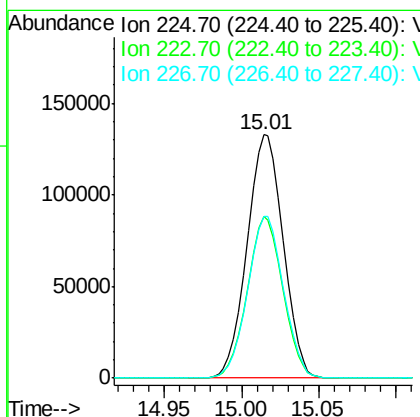
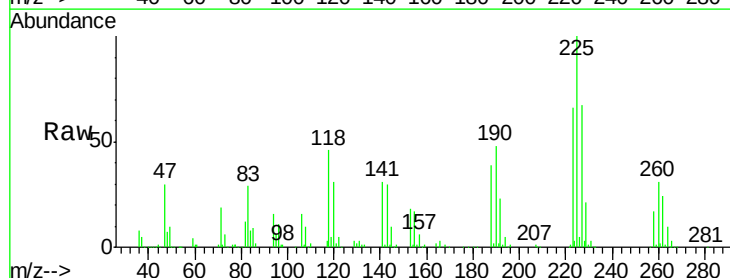
Manual Integrations
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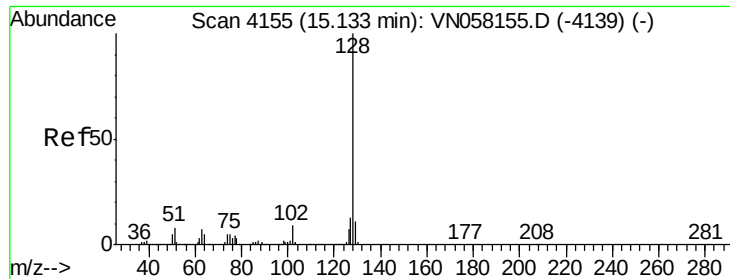
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#94
 Hexachlorobutadiene
 Concen: 44.882 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN058155.D
 Acq: 18 Sep 2019 10:27

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	65.1	32.6	97.7	
227	66.0	33.0	99.0	





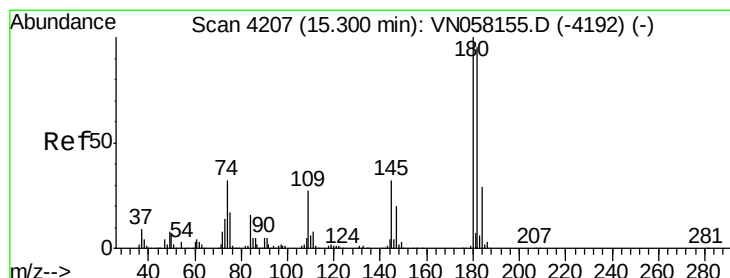
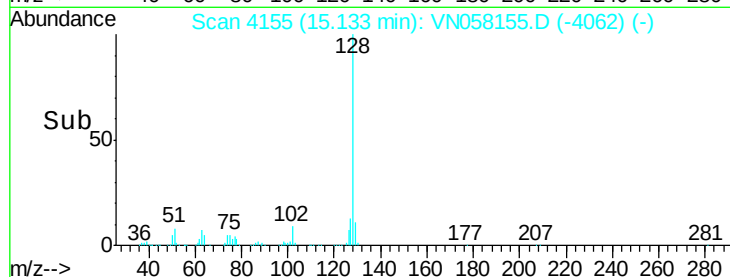
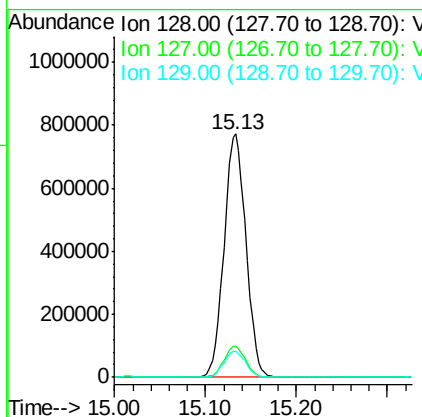
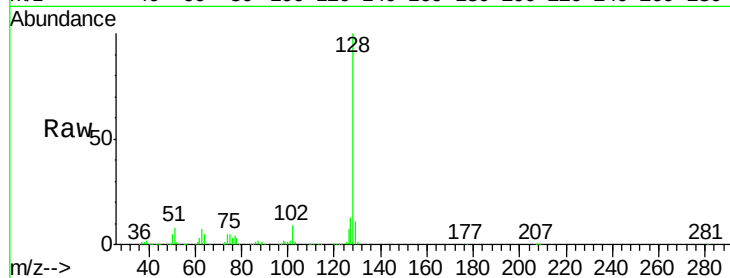
#95
Naphthalene
Concen: 39.964 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN058155.D
Acq: 18 Sep 2019 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion:128 Resp: 1287018
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.2
129 10.7 8.6 12.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 40.703 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN058155.D
Acq: 18 Sep 2019 10:27

Tgt Ion:180 Resp: 447500
Ion Ratio Lower Upper
180 100
182 94.8 47.4 142.2
145 32.1 16.1 48.2

