

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072419\
 Data File : VN056890.D
 Acq On : 23 Jul 2019 20:40
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 7/25/2019 2:20:09 PM

Quant Time: Jul 24 03:35:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072419W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 24 02:31:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	61406	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	344063	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	312213	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	121549	29.42	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.07%
60) 4-Bromofluorobenzene	12.40	95	148736	31.36	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	104.53%
63) Toluene-d8	10.09	98	425976	29.65	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.83%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	575246	164.866	ug/l 97
3) Chloromethane	2.06	50	684521	148.885	ug/l 100
4) Vinyl Chloride	2.18	62	669460	148.556	ug/l 100
5) Bromomethane	2.54	94	393338	138.812	ug/l 100
6) Chloroethane	2.69	64	363651	141.701	ug/l 99
7) Trichlorofluoromethane	3.01	101	797415	139.878	ug/l 99
8) Diethyl Ether	3.40	74	301894	130.310	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	495004	139.049	ug/l 99
10) 1,1-Dichloroethene	3.72	96	506578	143.156	ug/l 99
11) Methyl Iodide	3.94	142	793256	165.526	ug/l 98
12) Methyl Acetate	4.33	43	498763	106.134	ug/l 96
13) Acrolein	3.60	56	338880	912.180	ug/l 98
14) Acrylonitrile	4.99	53	1188929	587.699	ug/l 100
15) Acetone	3.82	58	296421	460.359	ug/l 93
16) Carbon Disulfide	4.04	76	1430831	152.683	ug/l 99
17) Allyl chloride	4.31	41	858884	139.818	ug/l 97
18) Methylene Chloride	4.54	84	576272	138.771	ug/l 99
19) trans-1,2-Dichloroethene	5.03	96	534826	141.975	ug/l 95
20) Diisopropyl ether	5.96	45	1698214	137.904	ug/l 94
21) 1,1-Dichloroethane	5.84	63	970398	137.584	ug/l 99
22) cis-1,2-Dichloroethene	6.82	96	617860	139.682	ug/l 99
23) tert-Butyl Alcohol	4.81	59	395981	555.996	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	1539504	137.737	ug/l 97
25) Chloroform	7.37	83	953549	139.296	ug/l 98
26) Cyclohexane	7.65	56	935485	144.225	ug/l # 100
29) 1,1-Dichloropropene	7.79	75	750372	141.859	ug/l 98
30) 2-Butanone	6.84	43	1462931	509.387	ug/l 100
31) 2,2-Dichloropropane	6.82	77	680567	133.302	ug/l 98
32) 1,1,1-Trichloroethane	7.57	97	807097	141.796	ug/l 99
33) Carbon Tetrachloride	7.77	117	723245	147.748	ug/l 99
34) Benzene	8.04	78	2263300	138.117	ug/l # 91
35) Methacrylonitrile	7.17	41	312996	130.195	ug/l 97
36) 1,2-Dichloroethane	8.12	62	697637	133.375	ug/l 99
37) Trichloroethene	8.83	130	615798	139.033	ug/l 97
38) Methylcyclohexane	9.08	83	961898	144.336	ug/l 99
39) 1,2-Dichloropropane	9.12	63	610294	139.074	ug/l 100
40) Dibromomethane	9.21	93	372240	133.788	ug/l 99

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Manual Integrations
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072419W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 24 02:31:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	746307	144.693	ug/l	97
42) Vinyl Acetate	5.90	43	6731588	667.465	ug/l	100
43) Ethyl Acetate	6.93	43	608478	114.274	ug/l	98
44) Isopropyl Acetate	8.17	43	1026577	121.003	ug/l #	86
45) 1,4-Dioxane	9.20	88	191443	2284.881	ug/l	95
46) Methyl methacrylate	9.20	41	513137	126.220	ug/l	98
47) n-amyl Acetate	12.07	43	907618	131.903	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	824093	146.472	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	933987	146.270	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	535604	131.537	ug/l	99
51) Ethyl methacrylate	10.43	69	826720	133.976	ug/l	98
52) 1,3-Dichloropropane	10.71	76	912866	135.049	ug/l	100
53) Dibromochloromethane	10.90	129	606748	147.269	ug/l	99
54) 1,2-Dibromoethane	11.00	107	567329	135.155	ug/l	100
55) 2-Chloroethyl vinyl ether	9.69	63	1794461	611.161	ug/l	99
56) Bromoform	12.12	173	435007	144.158	ug/l	100
58) 4-Methyl-2-Pentanone	9.99	43	2993963	539.698	ug/l	98
59) 2-Hexanone	10.75	43	2133197	520.787	ug/l	99
61) Tetrachloroethene	10.63	164	596168	133.821	ug/l	99
62) Toluene	10.15	91	2444493	136.090	ug/l	100
64) Chlorobenzene	11.43	112	1529435	139.760	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.51	131	573153	141.615	ug/l	99
66) Ethyl Benzene	11.51	91	2720692	140.984	ug/l	100
67) m/p-Xylenes	11.62	106	2035880	280.338	ug/l	99
68) o-Xylene	11.95	106	986258	138.384	ug/l	100
69) Styrene	11.96	104	1697267	144.555	ug/l	100
70) Isopropylbenzene	12.25	105	2630623	141.128	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	712441	119.890	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	608980m	120.455	ug/l	
73) Bromobenzene	12.53	156	694604	142.994	ug/l	100
74) n-propylbenzene	12.59	91	3015312	145.229	ug/l	100
75) 2-Chlorotoluene	12.67	91	1758560	139.626	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	2209065	139.875	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	230323	137.059	ug/l	91
78) 4-Chlorotoluene	12.77	91	1786273	147.059	ug/l	100
79) tert-butylbenzene	12.99	119	1909472	141.474	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	2186731	139.377	ug/l	98
81) sec-Butylbenzene	13.17	105	2533169	142.452	ug/l	100
82) p-Isopropyltoluene	13.29	119	2331761	144.651	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	1166789	145.903	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	1143879	149.934	ug/l	99
85) n-Butylbenzene	13.61	91	1981230	150.444	ug/l	98
86) Hexachloroethane	13.87	117	404387	157.081	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	1136711	140.967	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.26	75	123830	122.189	ug/l	93
89) 1,2,4-Trichlorobenzene	14.90	180	694619	164.817	ug/l	99
90) Hexachlorobutadiene	15.01	225	391573	138.581	ug/l	98
91) Naphthalene	15.13	128	1784050	156.318	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	708468	158.419	ug/l	99

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Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072419W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jul 24 02:31:22 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

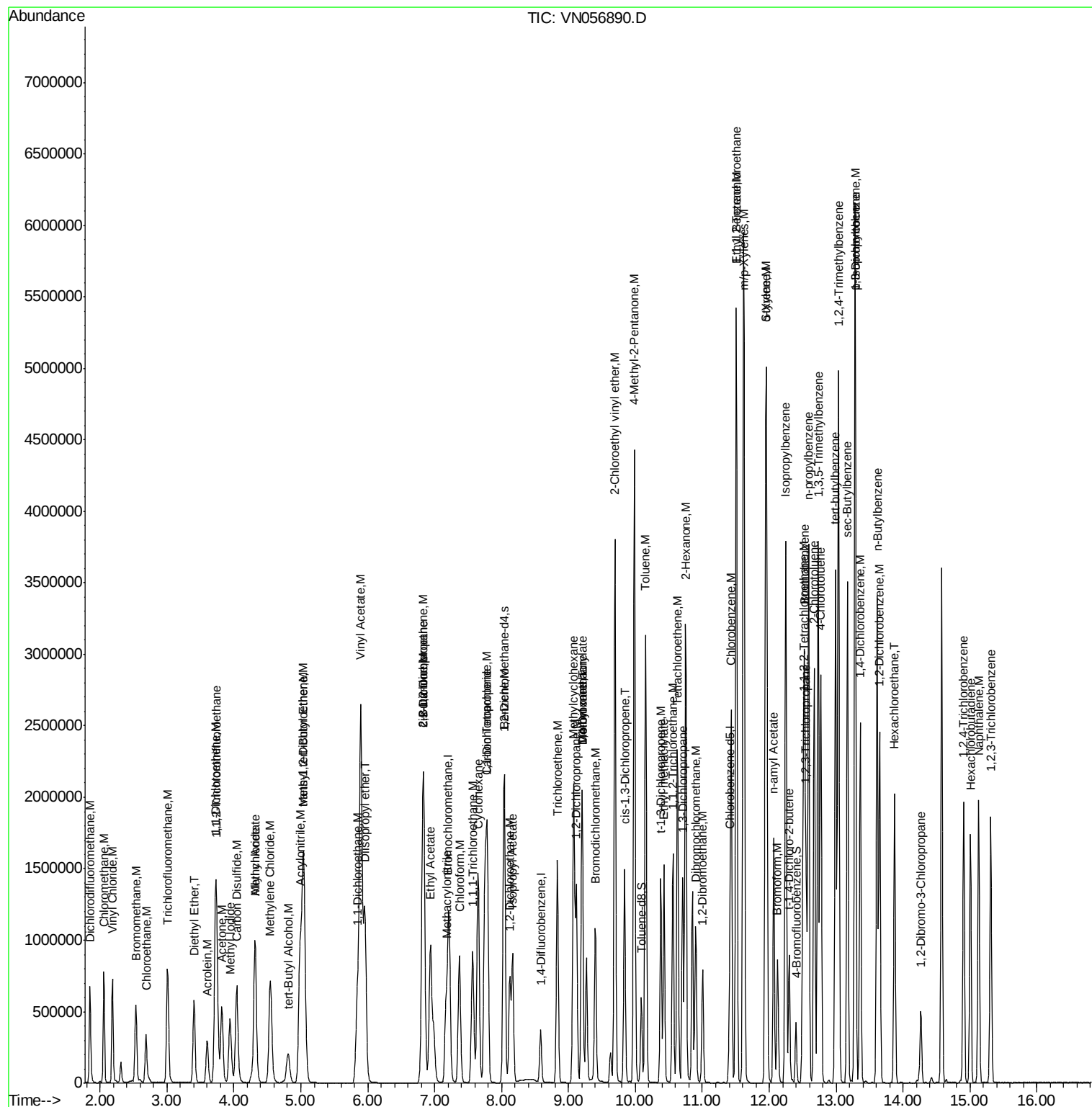
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072419\
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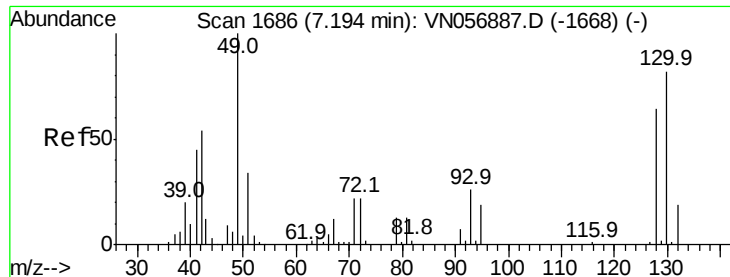
Instrument :
 MSVOA_N
 Client Sample Id :
 VSTDIC150

Manual Integrations
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN056890.D

Acq: 23 Jul 2019 20:40

Instrument :

MSVOA_N

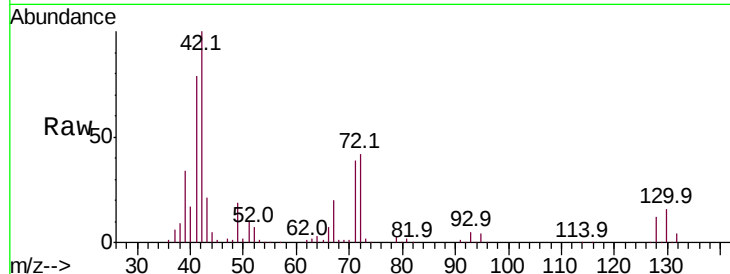
ClientSampleId :

VSTDIC150

Tot Ion:	128	Resp:	61406
Ion	Ratio	Lower	Upper
128	100		
49	164.4	0.0	385.8
130	128.3	0.0	322.5

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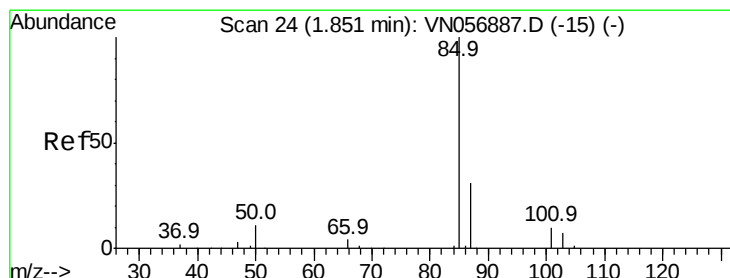
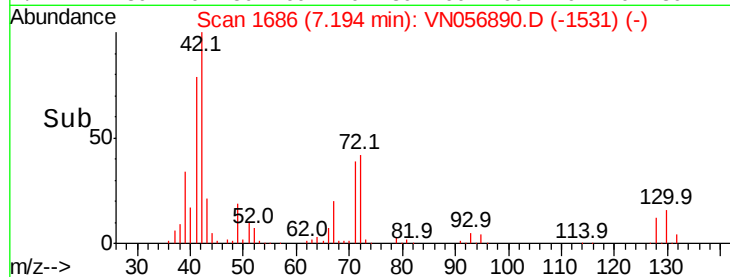
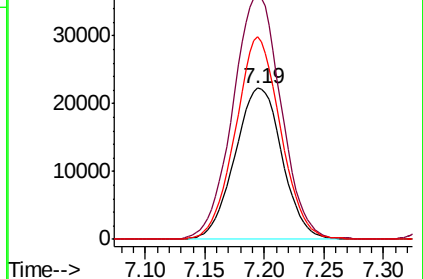
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Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 164.866 ug/l

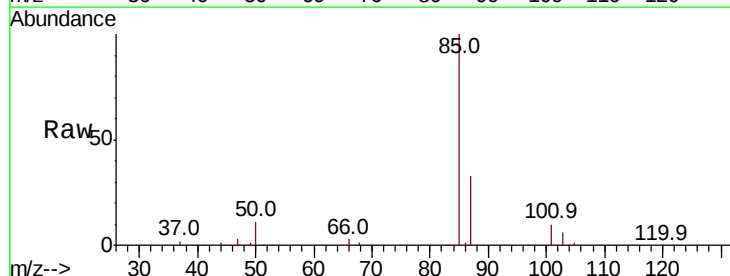
RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

Lab File: VN056890.D

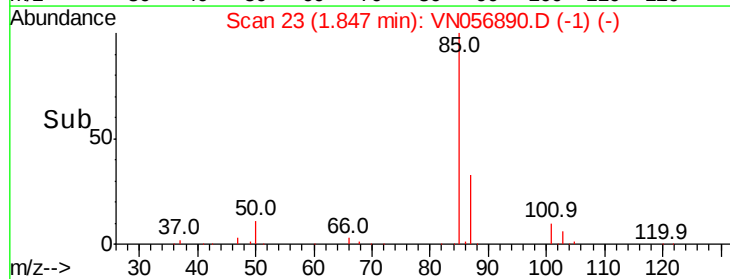
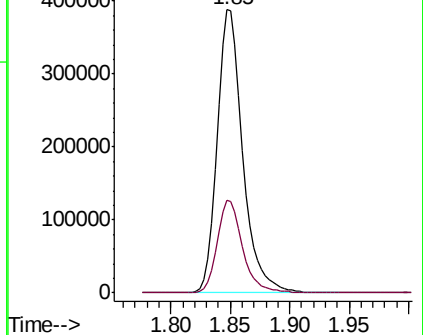
Acq: 23 Jul 2019 20:40

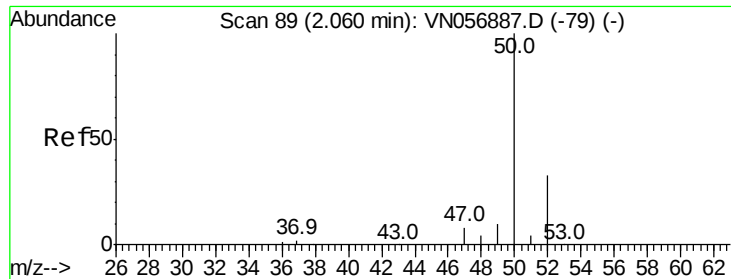
Tgt Ion:	85	Resp:	575246
Ion	Ratio	Lower	Upper
85	100		
87	32.8	15.6	46.8



Abundance Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 148.885 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN056890.D

Acq: 23 Jul 2019 20:40

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 50 Resp: 684521

Ion Ratio Lower Upper

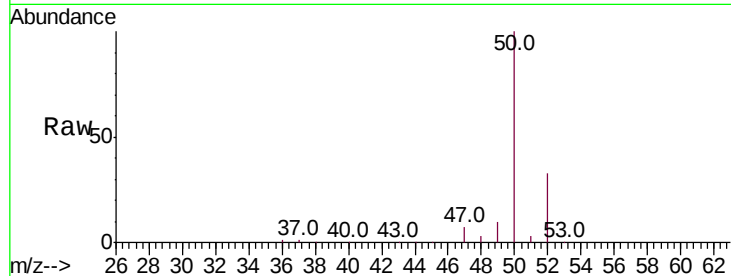
50 100

52 32.6 26.2 39.2

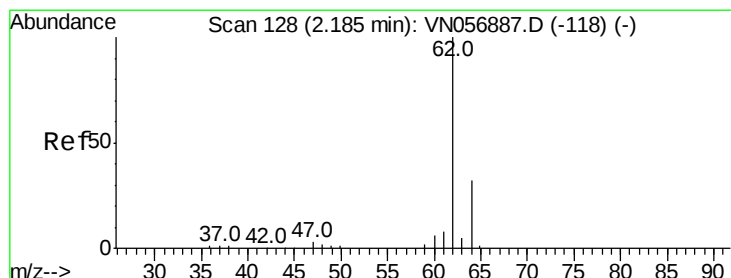
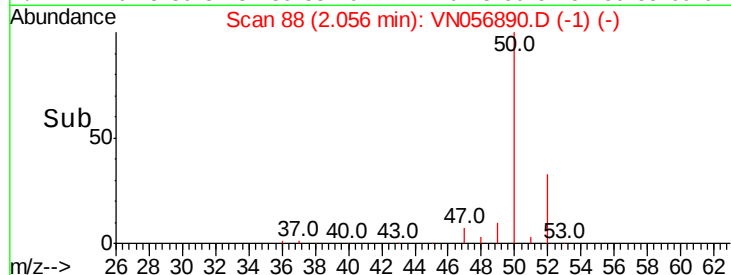
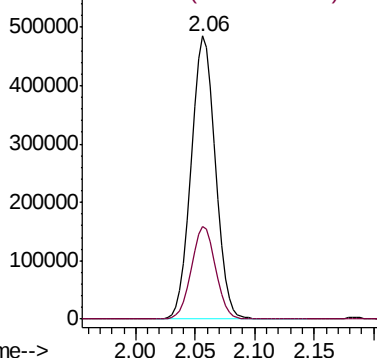
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Abundance Ion 50.00 (49.70 to 50.70): VNO
Ion 52.00 (51.70 to 52.70): VNO



#4

Vinyl Chloride

Concen: 148.556 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN056890.D

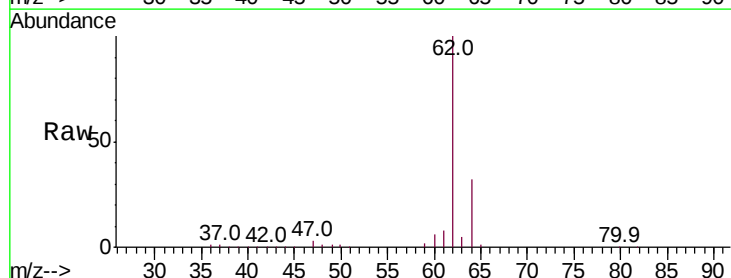
Acq: 23 Jul 2019 20:40

Tgt Ion: 62 Resp: 669460

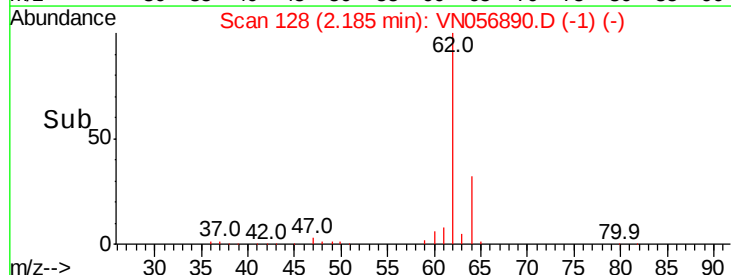
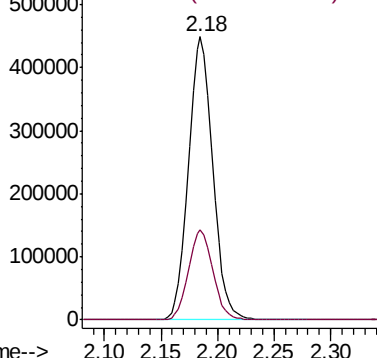
Ion Ratio Lower Upper

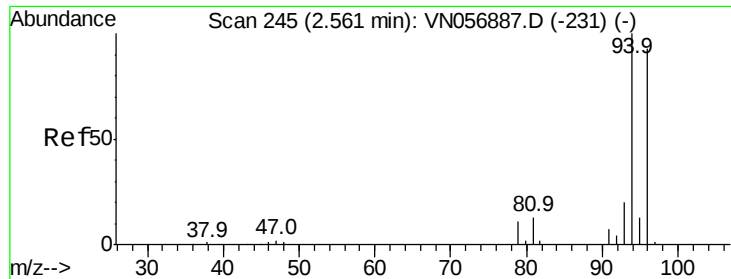
62 100

64 31.9 25.4 38.0



Abundance Ion 62.00 (61.70 to 62.70): VNO
Ion 64.00 (63.70 to 64.70): VNO





#5

Bromomethane

Concen: 138.812 ug/l

RT: 2.54 min Scan# 237

Delta R.T. -0.03 min

Lab File: VN056890.D

Acq: 23 Jul 2019 20:40

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 94 Resp: 393338

Ion Ratio Lower Upper

94 100

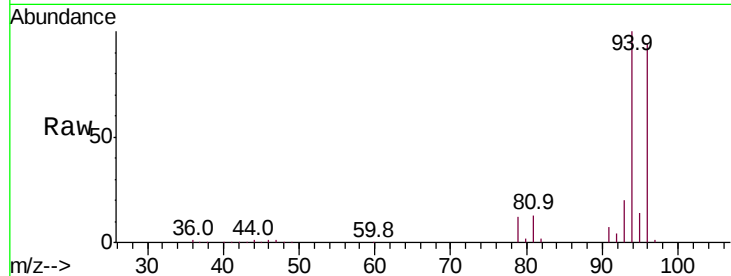
96 93.7 74.7 112.1

Manual Integrations

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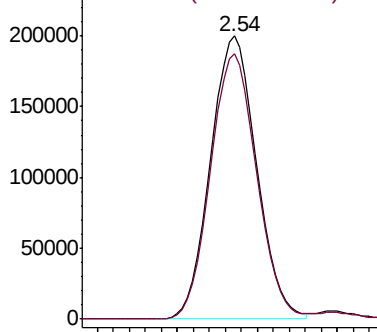
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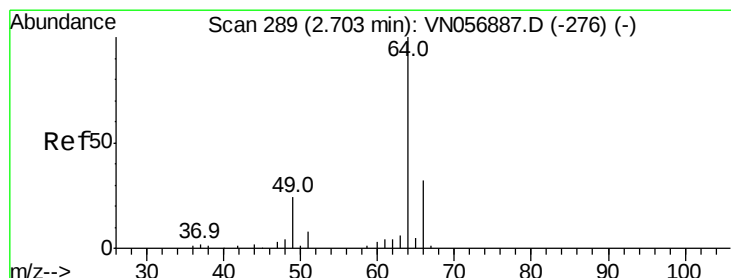
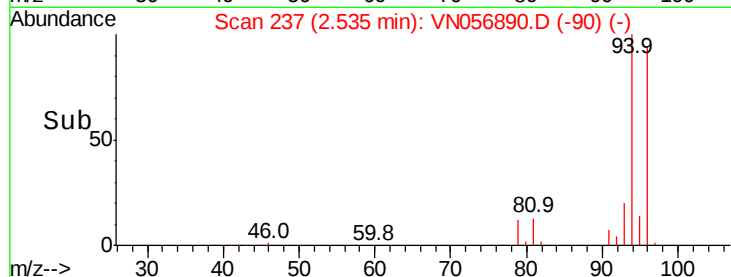


Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



Time-->



#6

Chloroethane

Concen: 141.701 ug/l

RT: 2.69 min Scan# 284

Delta R.T. -0.02 min

Lab File: VN056890.D

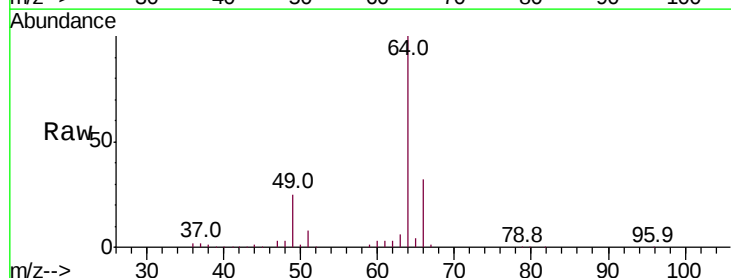
Acq: 23 Jul 2019 20:40

Tgt Ion: 64 Resp: 363651

Ion Ratio Lower Upper

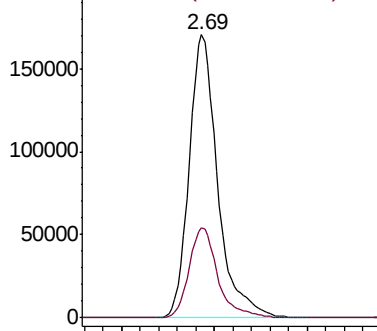
64 100

66 31.6 25.8 38.8

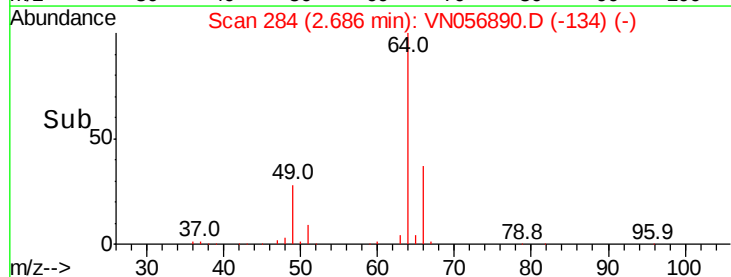


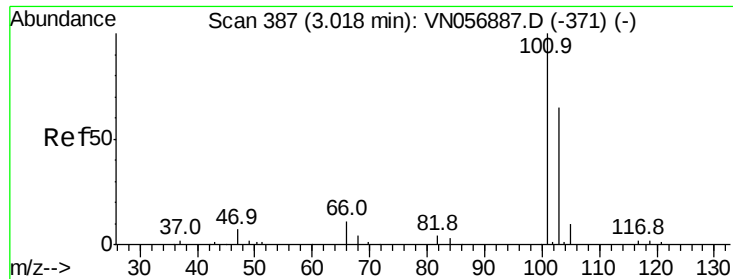
Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



Time-->





#7

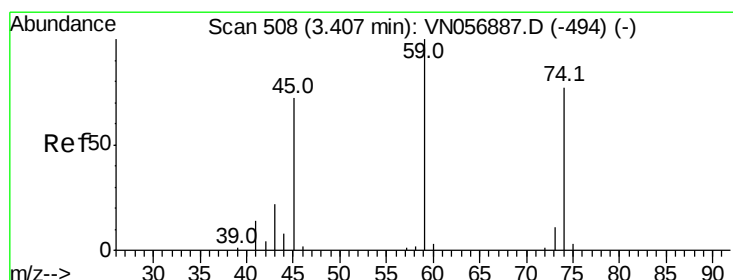
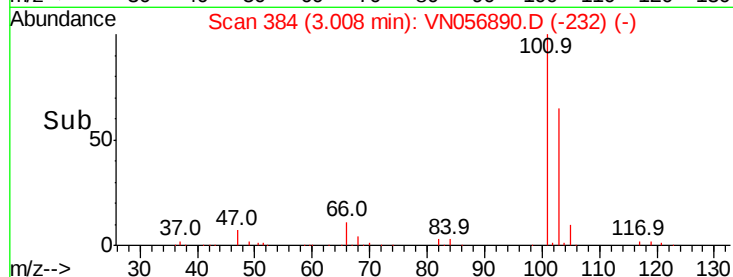
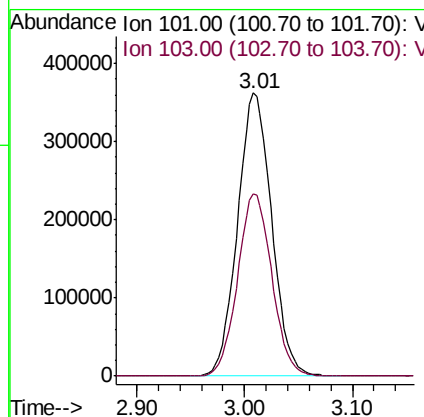
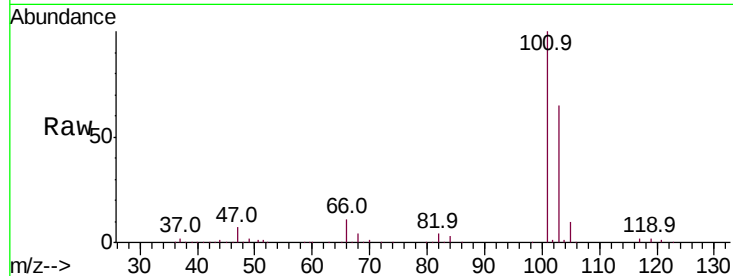
Trichlorofluoromethane
Concen: 139.878 ug/l
RT: 3.01 min Scan# 384
Delta R.T. -0.01 min
Lab File: VN056890.D
Acq: 23 Jul 2019 20:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tot Ion:101 Resp: 797415
Ion Ratio Lower Upper
101 100
103 64.5 52.2 78.4

Manual Integrations
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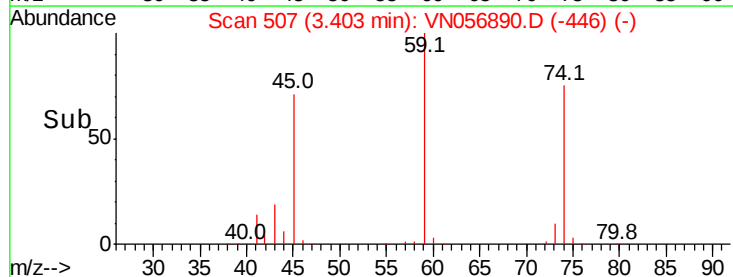
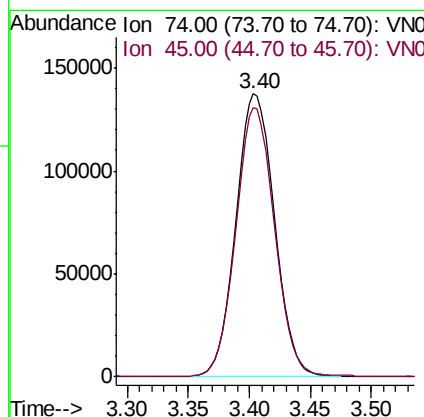
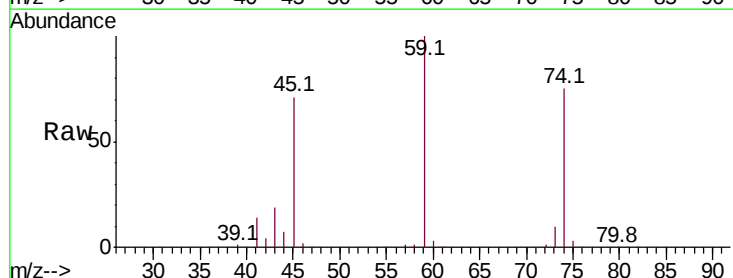
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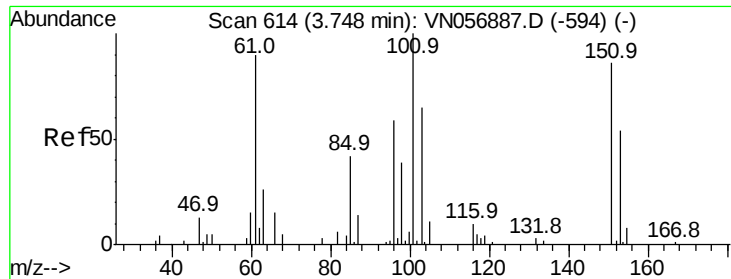


#8

Diethyl Ether
Concen: 130.310 ug/l
RT: 3.40 min Scan# 507
Delta R.T. -0.00 min
Lab File: VN056890.D
Acq: 23 Jul 2019 20:40

Tgt Ion: 74 Resp: 301894
Ion Ratio Lower Upper
74 100
45 94.5 19.5 175.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 139.049 ug/l

RT: 3.74 min Scan# 613

Delta R.T. -0.00 min

Lab File: VN056890.D

Acq: 23 Jul 2019 20:40

Instrument :

MSVOA_N

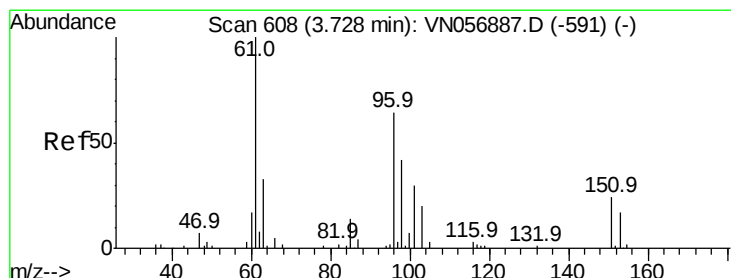
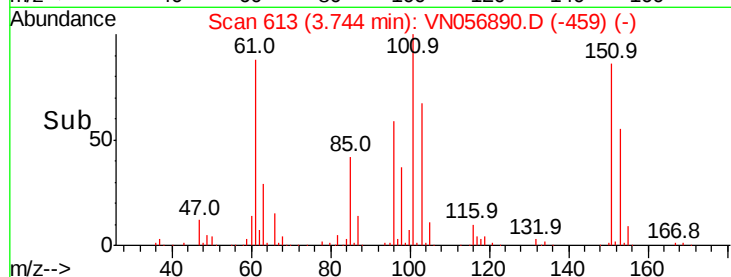
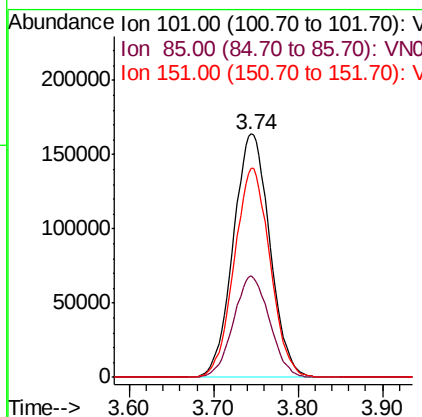
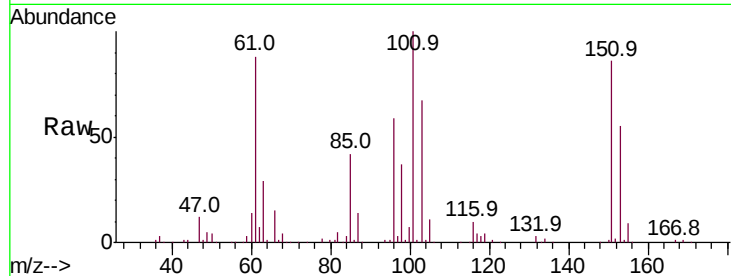
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	495004
Ion Ratio	Lower	Upper	
101	100		
85	41.1	0.0	85.0
151	84.1	0.0	167.2

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#10

1,1-Dichloroethene

Concen: 143.156 ug/l

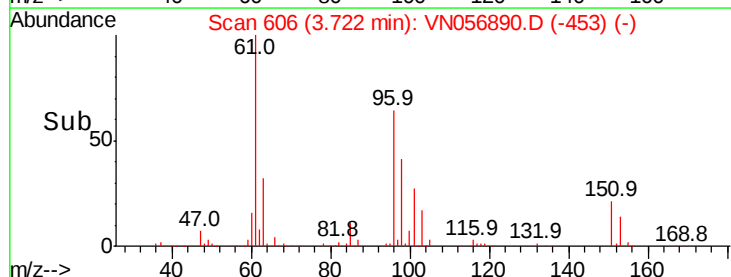
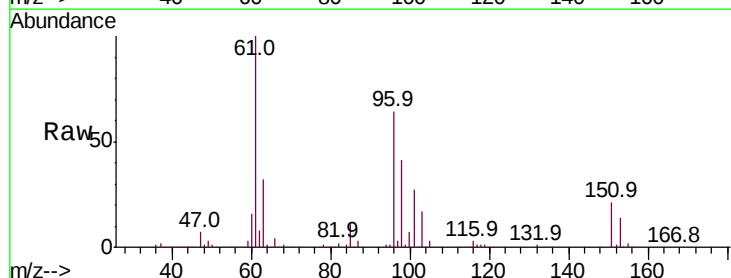
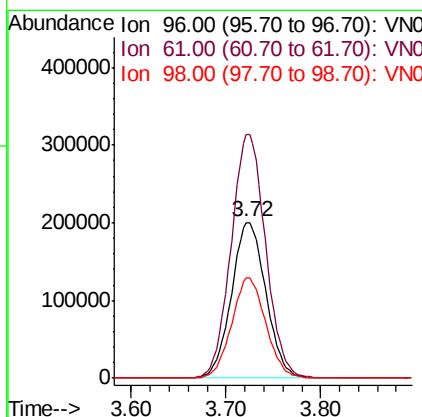
RT: 3.72 min Scan# 606

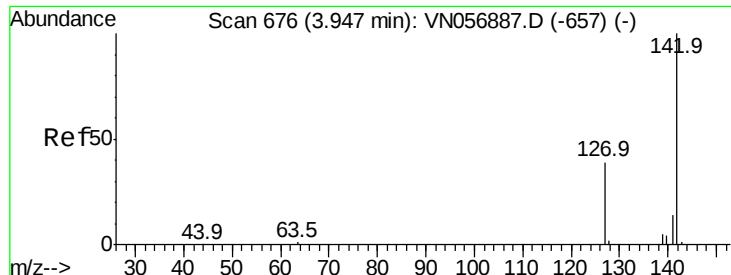
Delta R.T. -0.01 min

Lab File: VN056890.D

Acq: 23 Jul 2019 20:40

Tgt Ion:	96	Resp:	506578
Ion Ratio	Lower	Upper	
96	100		
61	156.5	125.8	188.8
98	64.9	52.7	79.1





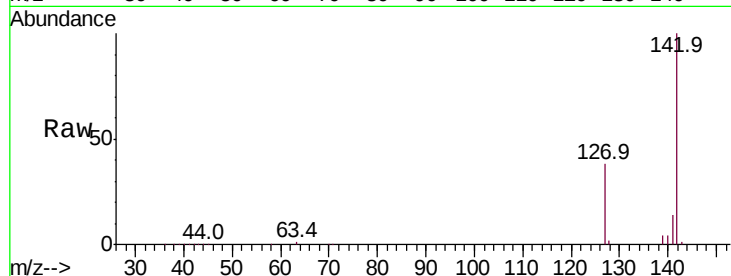
#11
Methyl Iodide
Concen: 165.526 ug/l
RT: 3.94 min Scan# 675
Delta R.T. -0.00 min
Lab File: VN056890.D
Acq: 23 Jul 2019 20:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

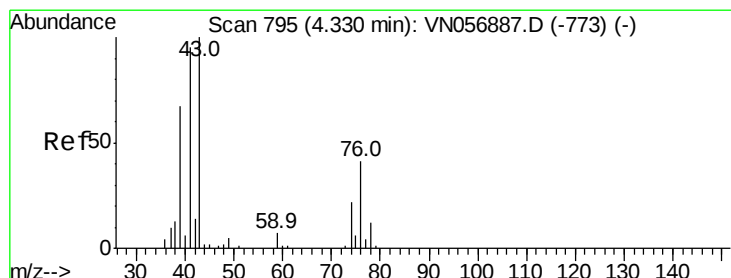
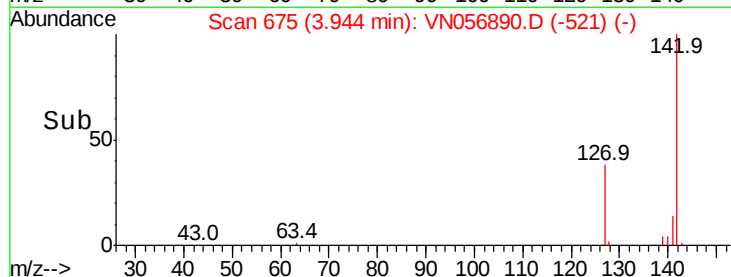
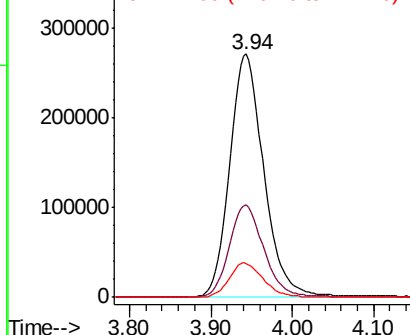
Tot Ion	Ratio	Lower	Upper
142	100		
127	37.9	19.6	58.8
141	14.0	7.2	21.6

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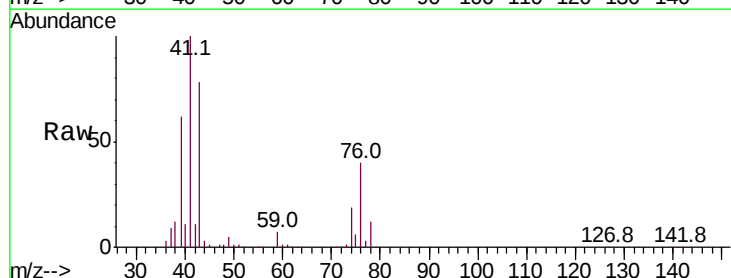


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

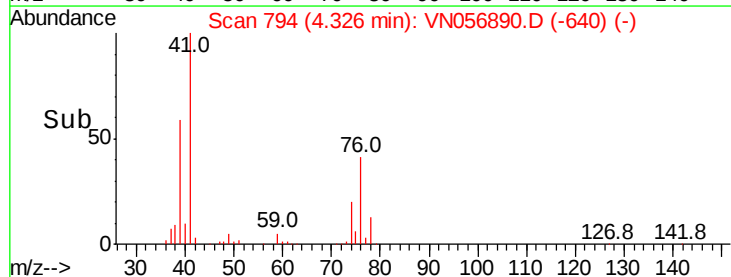
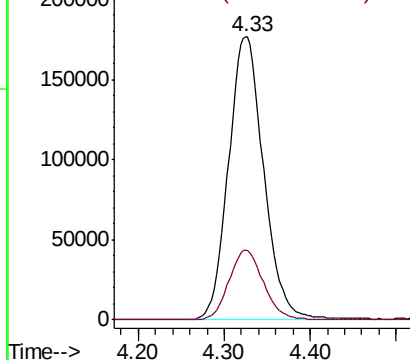


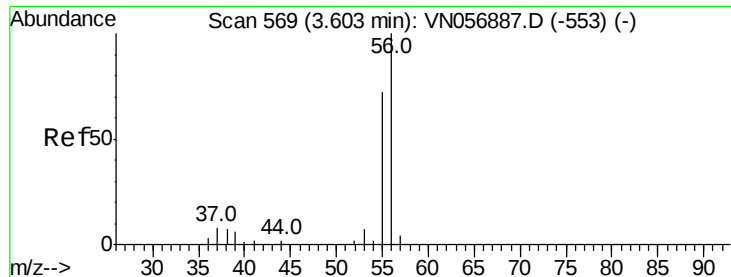
#12
Methyl Acetate
Concen: 106.134 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN056890.D
Acq: 23 Jul 2019 20:40

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.5	18.1	27.1



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 74.00 (73.70 to 74.70): V





#13

Acrolein

Concen: 912.180 ug/l

RT: 3.60 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN056890.D

Acq: 23 Jul 2019 20:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 338880

Ion Ratio Lower Upper

56 100

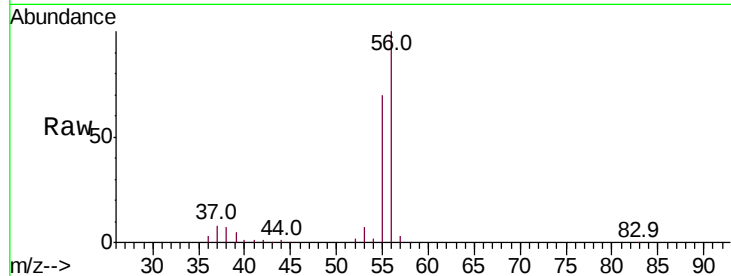
55 71.8 58.5 87.7

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

150000

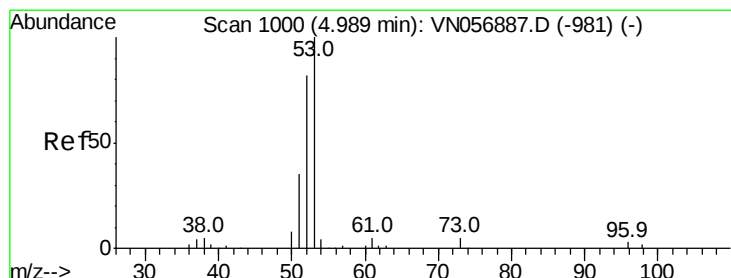
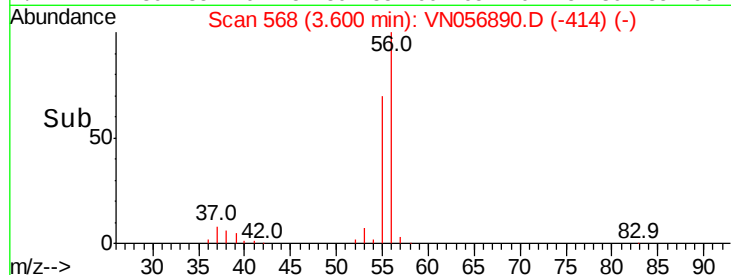
100000

50000

0

3.50 3.55 3.60 3.65 3.70

Time-->



#14

Acrylonitrile

Concen: 587.699 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN056890.D

Acq: 23 Jul 2019 20:40

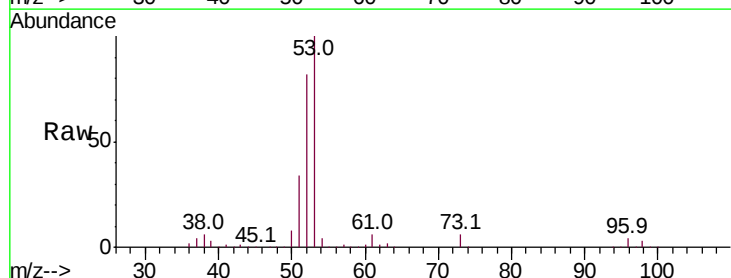
Tgt Ion: 53 Resp: 1188929

Ion Ratio Lower Upper

53 100

52 81.8 40.8 122.5

51 35.3 17.4 52.2



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0

500000

400000

300000

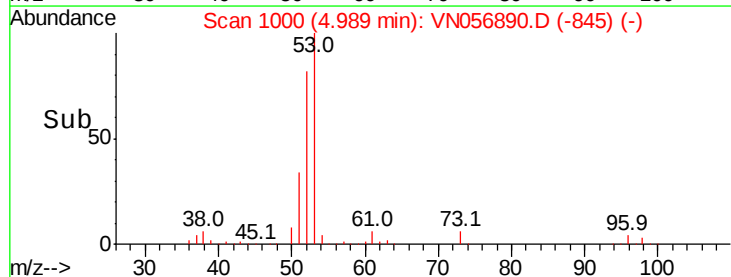
200000

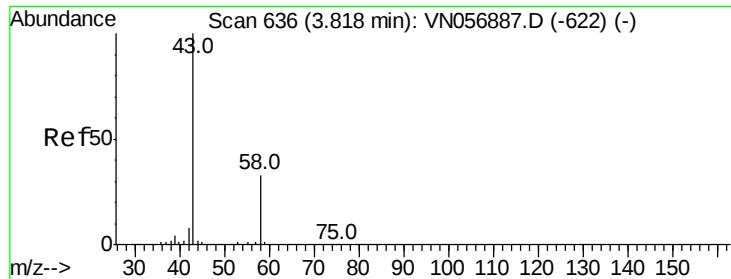
100000

0

4.90 5.00 5.10

Time-->





#15

Acetone

Concen: 460.359 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN056890.D

Acq: 23 Jul 2019 20:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 58 Resp: 296421

Ion Ratio Lower Upper

58 100

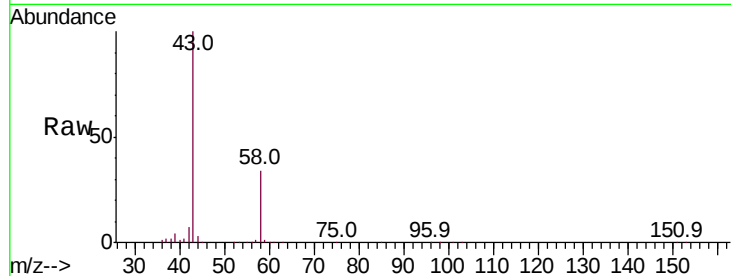
43 289.7 242.4 363.6

Manual Integrations

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Abundance Ion 58.00 (57.70 to 58.70): VNO
Ion 43.00 (42.70 to 43.70): VNO

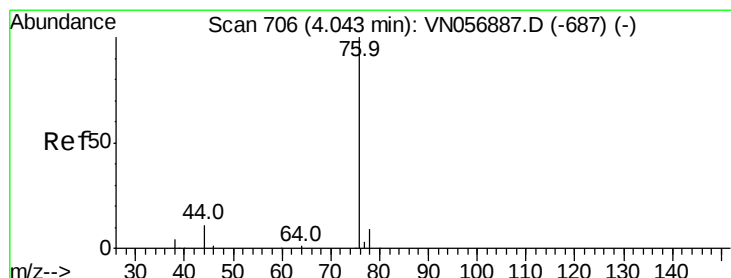
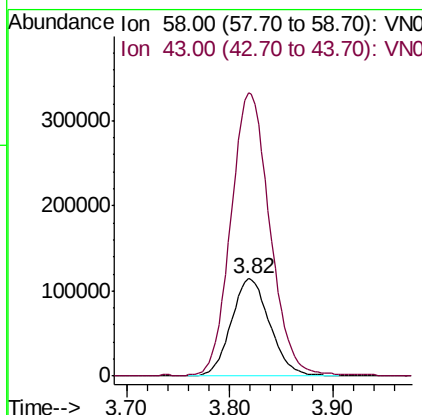
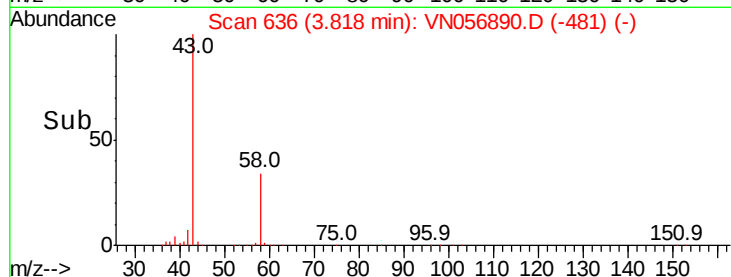
300000

200000

100000

0

Time-->



#16

Carbon Disulfide

Concen: 152.683 ug/l

RT: 4.04 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN056890.D

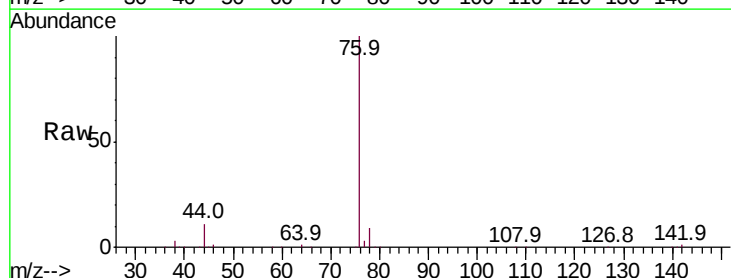
Acq: 23 Jul 2019 20:40

Tgt Ion: 76 Resp: 1430831

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VNO
Ion 78.00 (77.70 to 78.70): VNO

600000

500000

400000

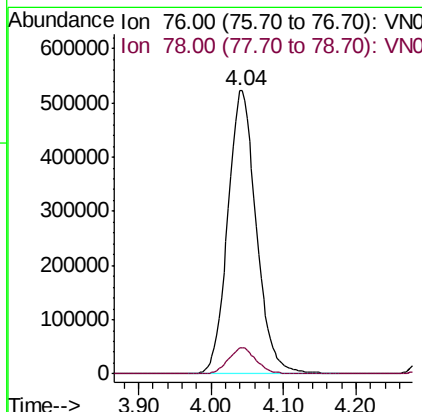
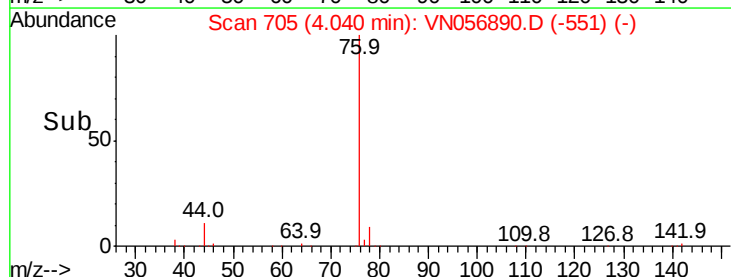
300000

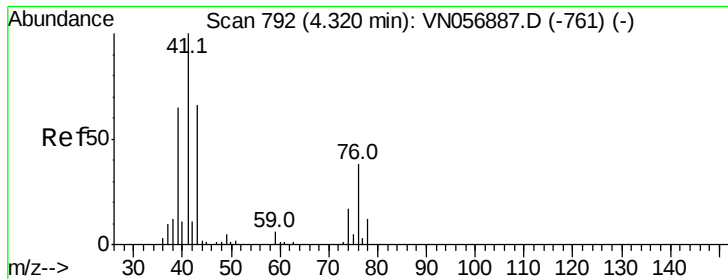
200000

100000

0

Time-->





#17

Allvl chloride

Concen: 139.818 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.01 min

Lab File: VN056890.D

Acq: 23 Jul 2019 20:40

Instrument :

MSVOA_N

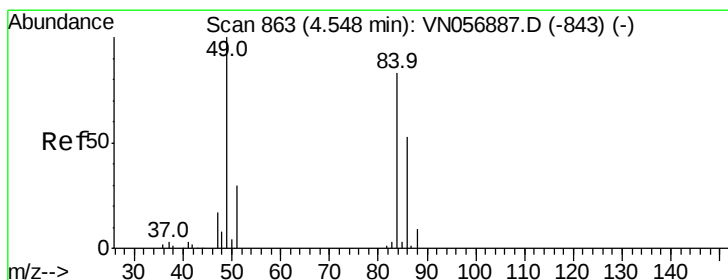
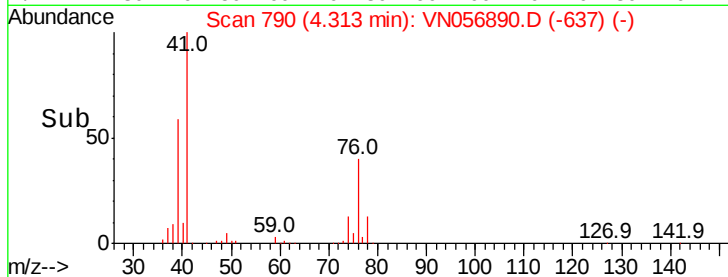
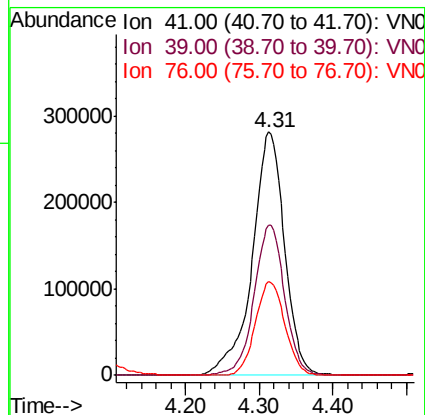
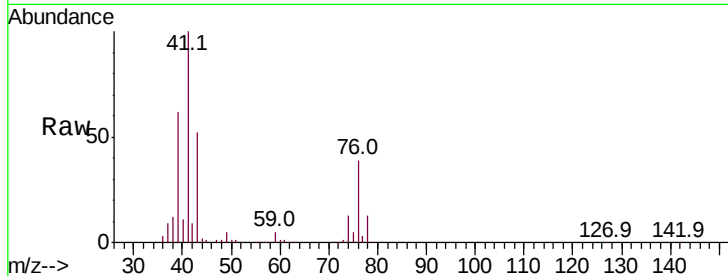
ClientSampleId :

VSTDIC150

Tot Ion:	41	Resp:	858884
Ion	Ratio	Lower	Upper
41	100		
39	61.9	32.4	97.0
76	38.6	19.0	57.0

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#18

Methylene Chloride

Concen: 138.771 ug/l

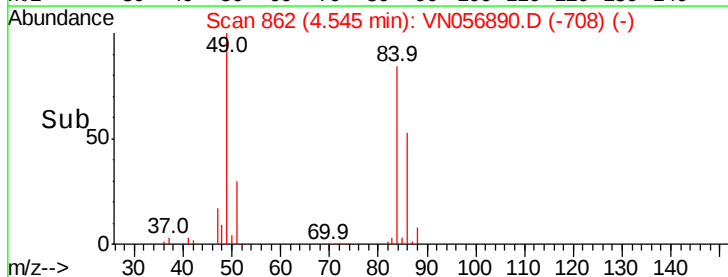
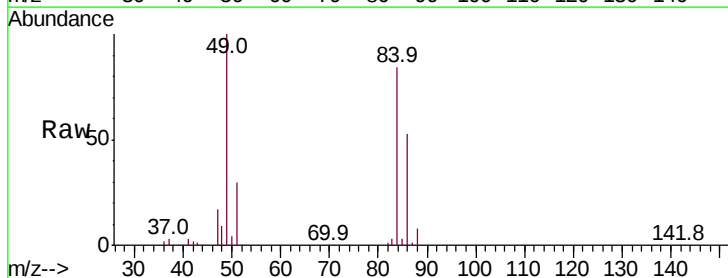
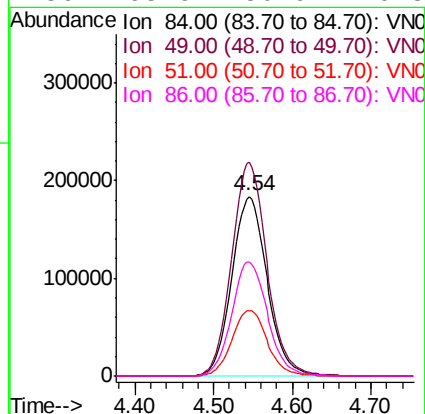
RT: 4.54 min Scan# 862

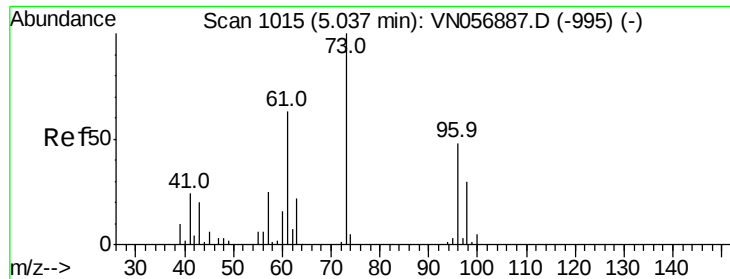
Delta R.T. -0.00 min

Lab File: VN056890.D

Acq: 23 Jul 2019 20:40

Tgt Ion:	84	Resp:	576272
Ion	Ratio	Lower	Upper
84	100		
49	119.0	96.3	144.5
51	36.3	28.8	43.2
86	63.6	50.9	76.3





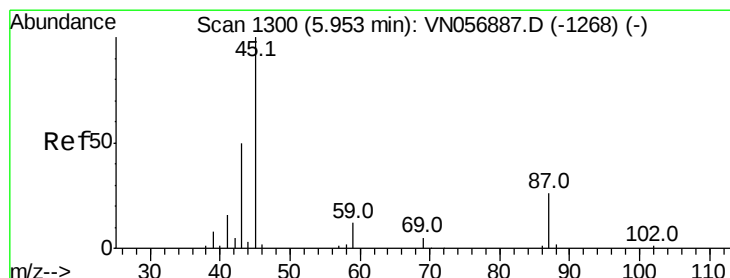
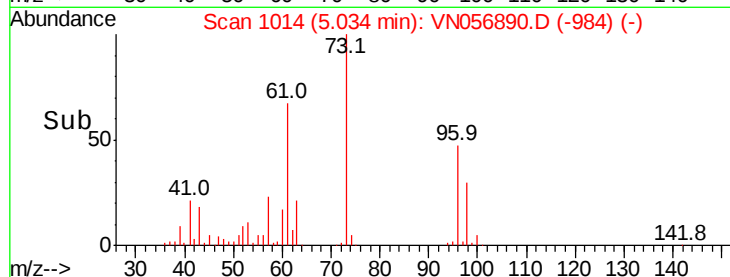
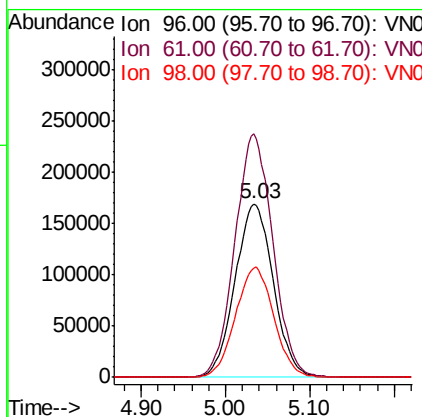
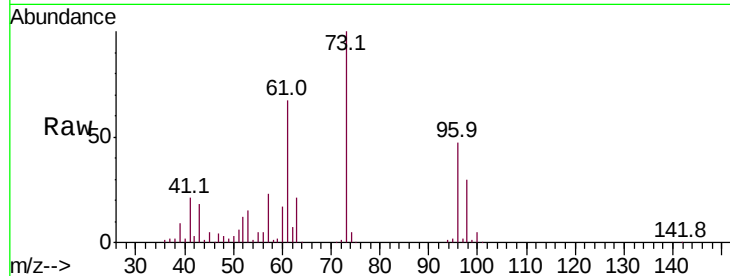
#19
trans-1,2-Dichloroethene
Concen: 141.975 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VN056890.D
Acq: 23 Jul 2019 20:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.2	105.4	158.0
98	63.3	50.8	76.2

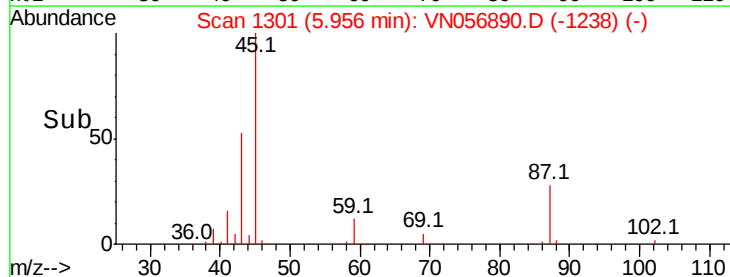
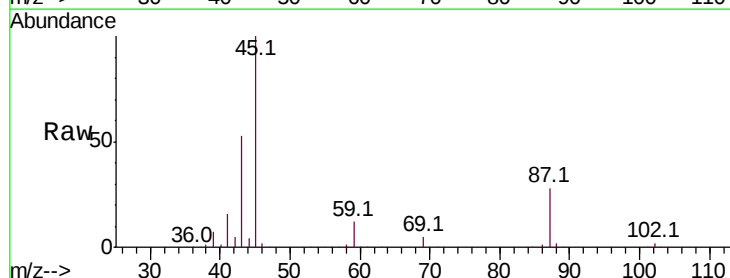
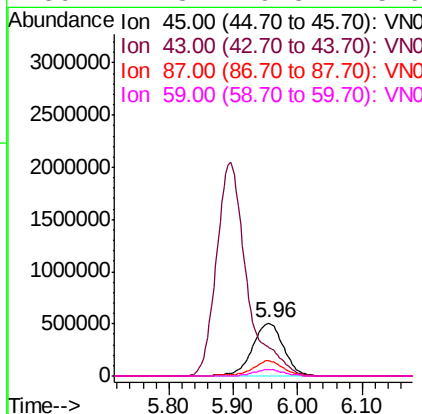
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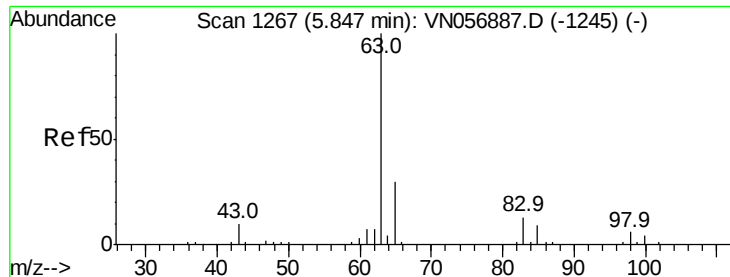
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#20
Diisopropyl ether
Concen: 137.904 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN056890.D
Acq: 23 Jul 2019 20:40

Tgt Ion	Ratio	Lower	Upper
45	100		
43	52.6	47.4	71.0
87	28.0	21.7	32.5
59	11.8	9.3	13.9





#21

1,1-Dichloroethane

Concen: 137.584 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN056890.D

Acq: 23 Jul 2019 20:40

Instrument :

MSVOA_N

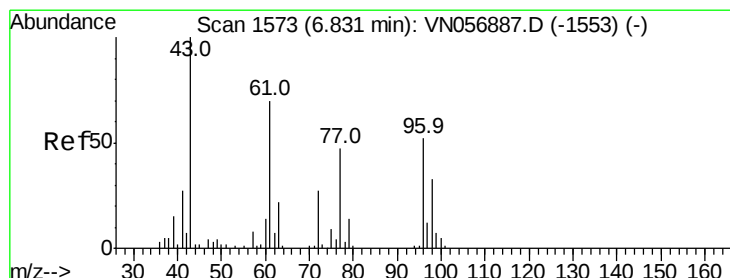
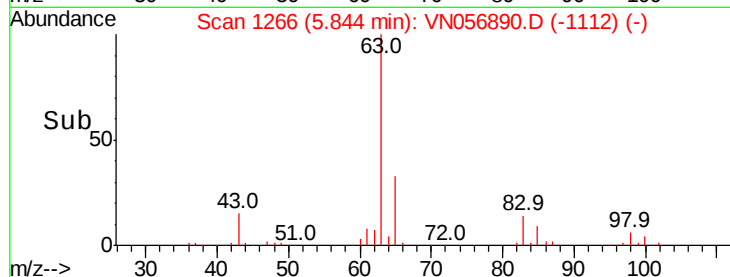
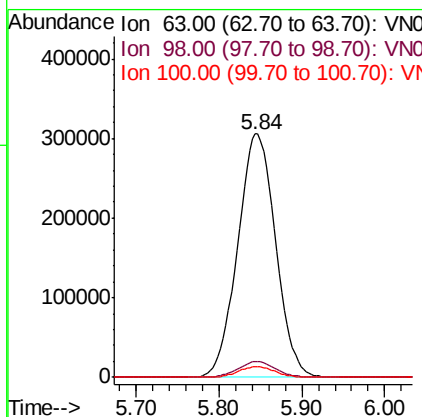
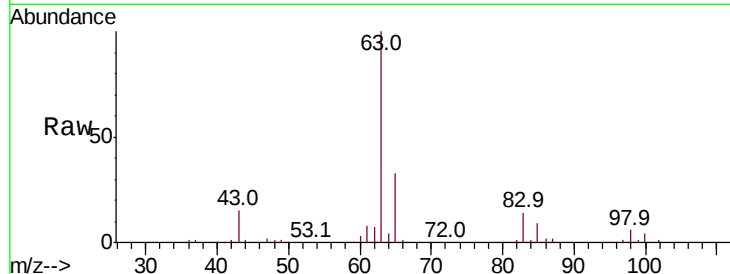
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
63	100			
98	6.4	3.1	9.3	
100	4.4	1.8	5.5	

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#22

cis-1,2-Dichloroethene

Concen: 139.682 ug/l

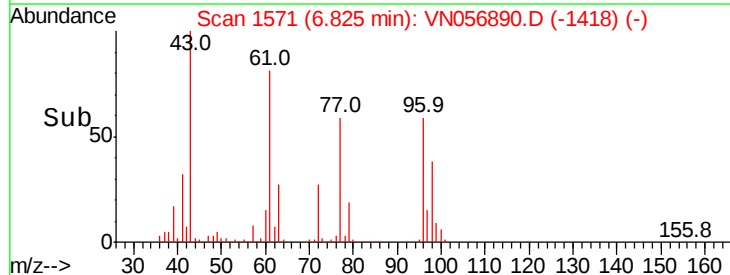
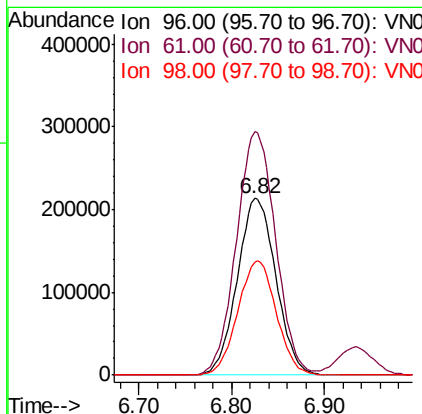
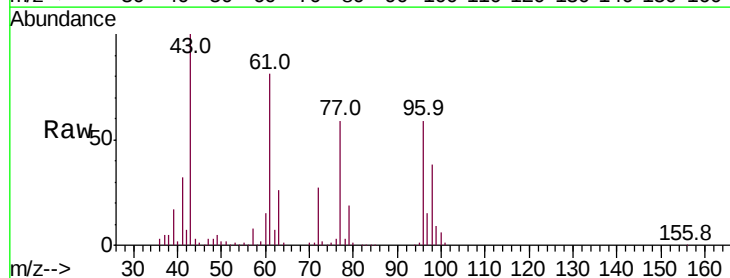
RT: 6.82 min Scan# 1571

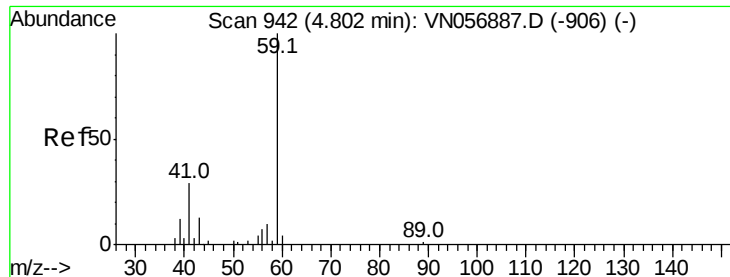
Delta R.T. -0.01 min

Lab File: VN056890.D

Acq: 23 Jul 2019 20:40

Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	140.0	111.6	167.4	
98	64.6	51.0	76.4	





#23

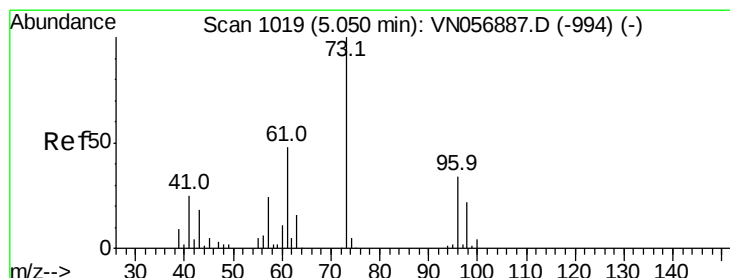
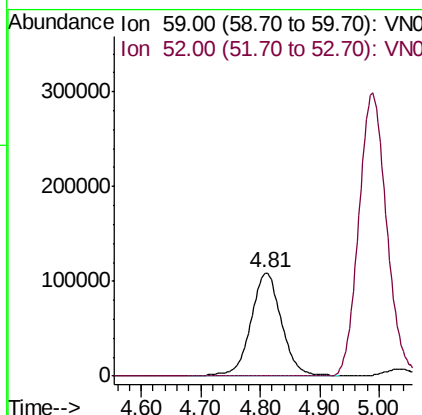
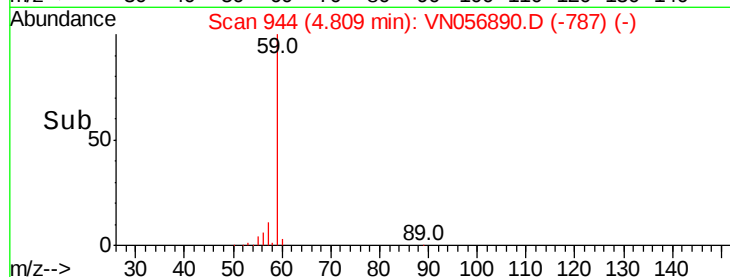
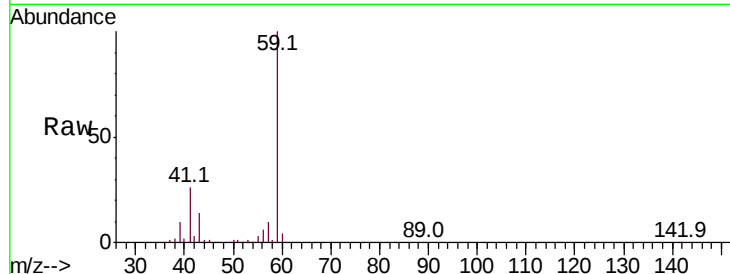
tert-Butyl Alcohol
Concen: 555.996 ug/l
RT: 4.81 min Scan# 944
Delta R.T. 0.01 min
Lab File: VN056890.D
Acq: 23 Jul 2019 20:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0#

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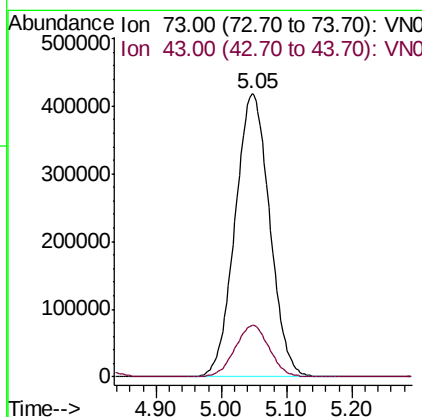
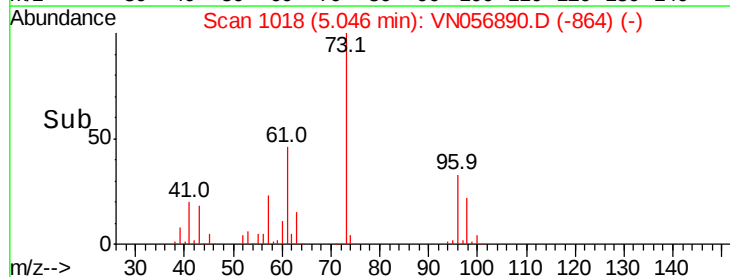
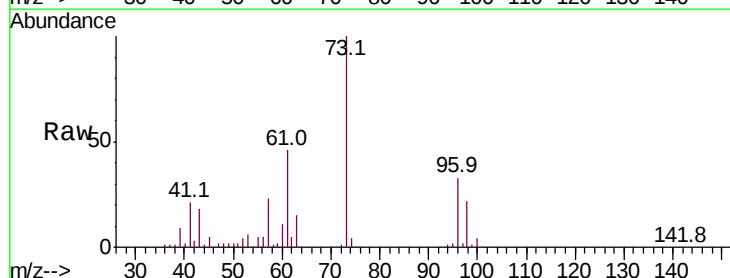
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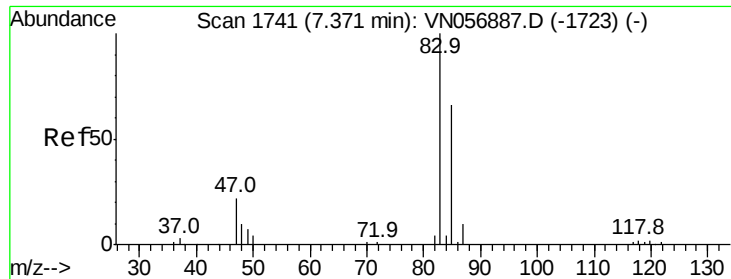


#24

Methyl tert-Butyl Ether
Concen: 137.737 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN056890.D
Acq: 23 Jul 2019 20:40

Tgt Ion	Ratio	Lower	Upper
73	100		
43	17.8	15.4	23.0





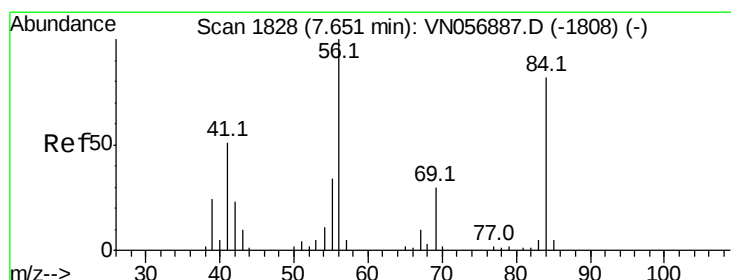
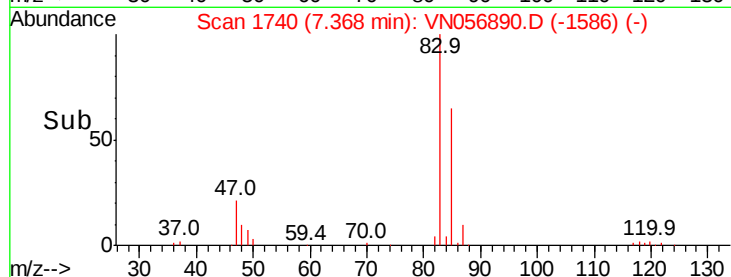
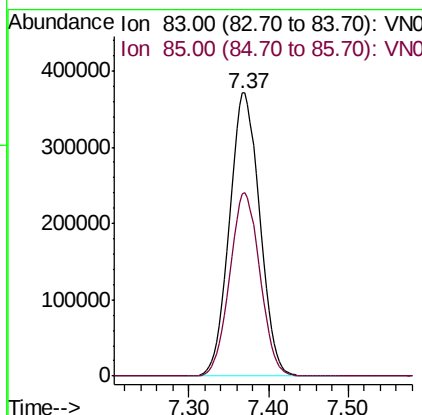
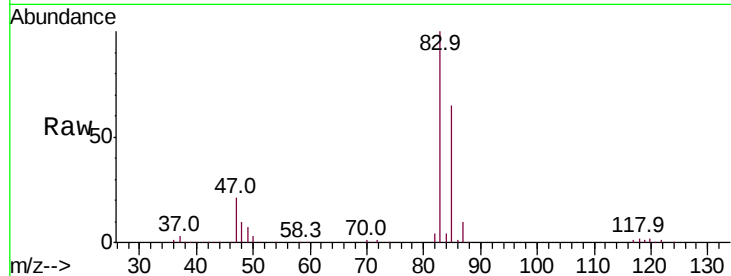
#25
Chloroform
Concen: 139.296 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VN056890.D
Acq: 23 Jul 2019 20:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 83 Resp: 953549
Ion Ratio Lower Upper
83 100
85 64.5 53.1 79.7

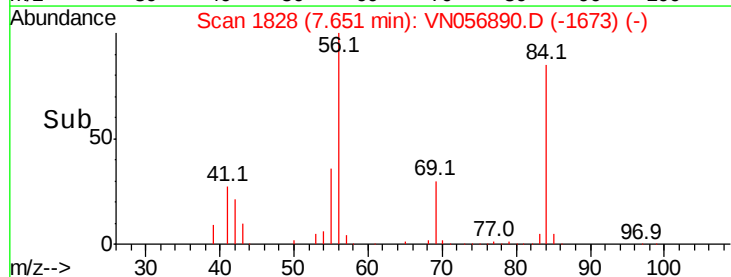
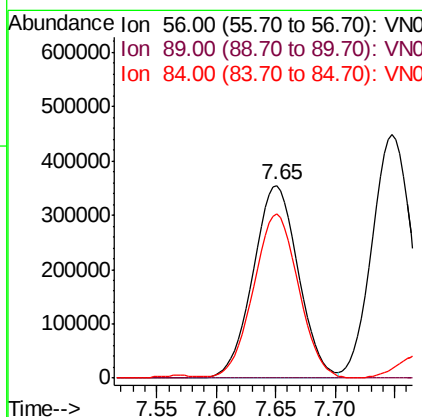
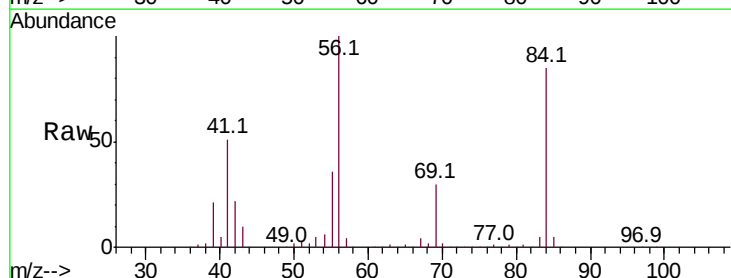
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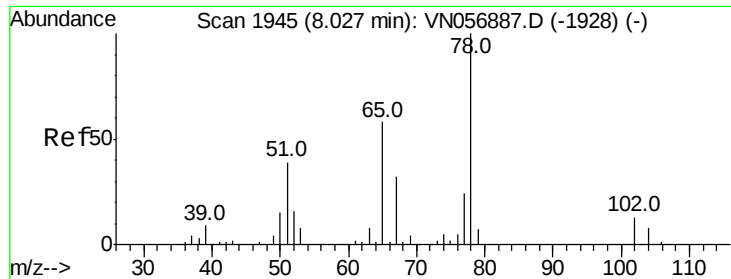
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#26
Cyclohexane
Concen: 144.225 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.00 min
Lab File: VN056890.D
Acq: 23 Jul 2019 20:40

Tgt Ion: 56 Resp: 935485
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 85.0 67.8 101.6





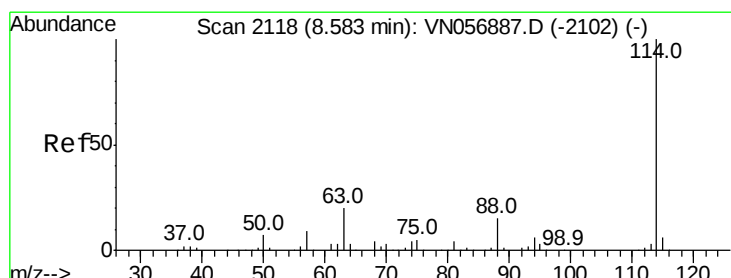
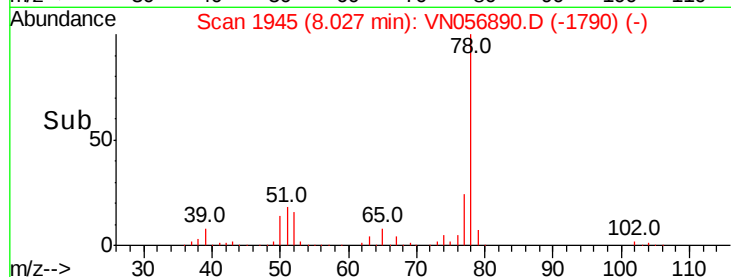
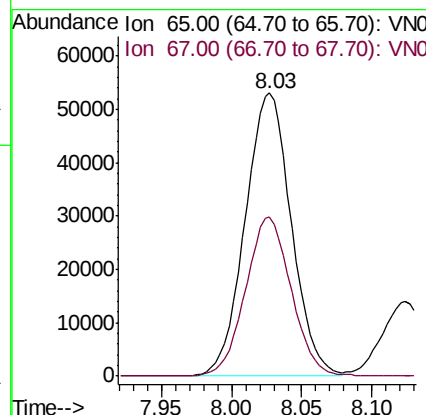
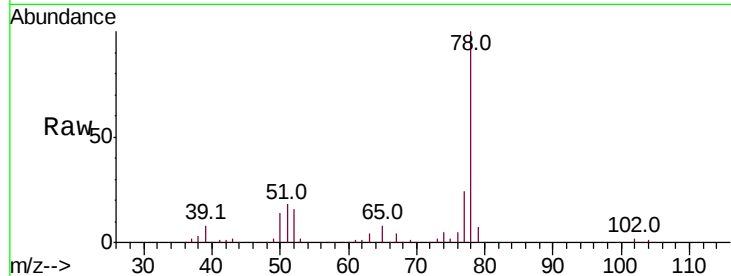
#27
 1,2-Dichloroethane-d4
 Concen: 29.421 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN056890.D
 Acq: 23 Jul 2019 20:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.5	44.6	66.8

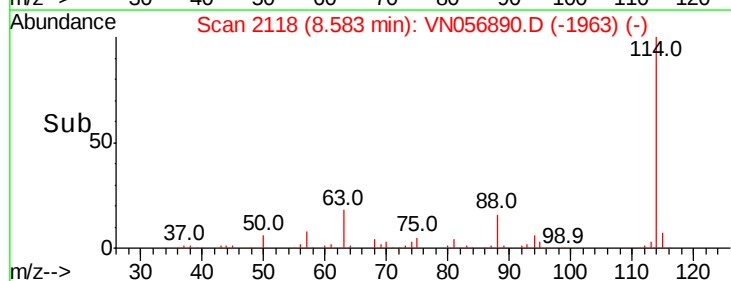
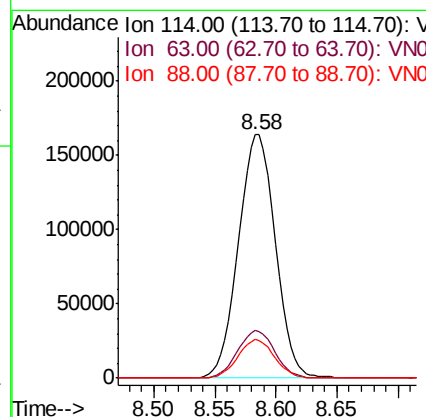
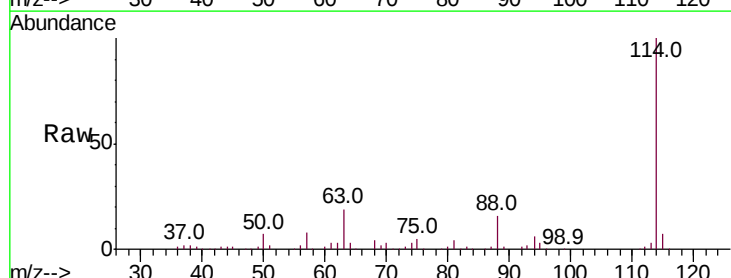
Manual Integrations
 APPROVED

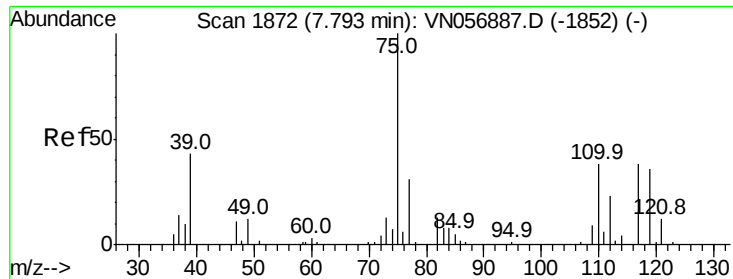
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#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN056890.D
 Acq: 23 Jul 2019 20:40

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.6	15.8	23.6
88	15.6	12.5	18.7





#29

1,1-Dichloropropene

Concen: 141.859 ug/l

RT: 7.79 min Scan# 1871

Delta R.T. -0.00 min

Lab File: VN056890.D

Acq: 23 Jul 2019 20:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 750372
Ion Ratio Lower Upper

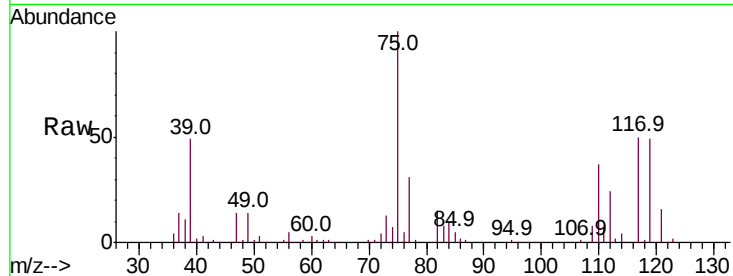
75 100

110 36.8 0.0 75.8

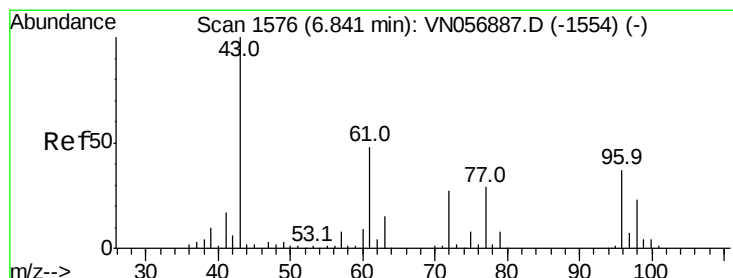
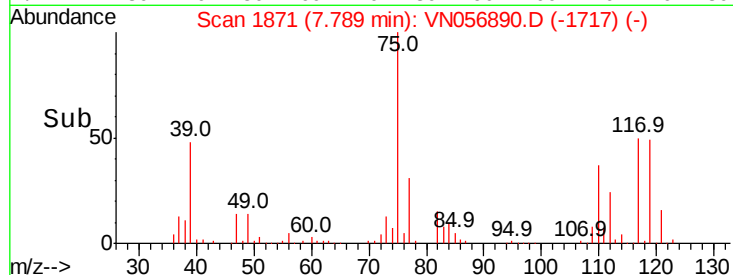
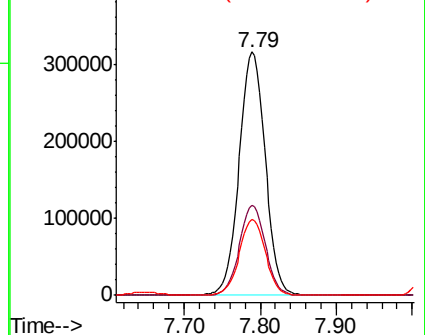
77 31.4 0.0 64.0

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Abundance Ion 75.00 (74.70 to 75.70): VN0
Ion 110.00 (109.70 to 110.70): V
Ion 77.00 (76.70 to 77.70): VN0



#30

2-Butanone

Concen: 509.387 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. -0.00 min

Lab File: VN056890.D

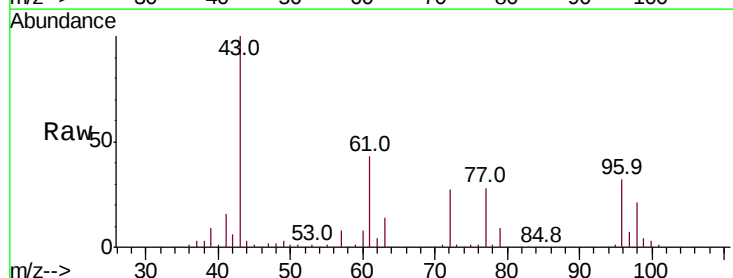
Acq: 23 Jul 2019 20:40

Tgt Ion: 43 Resp: 1462931
Ion Ratio Lower Upper

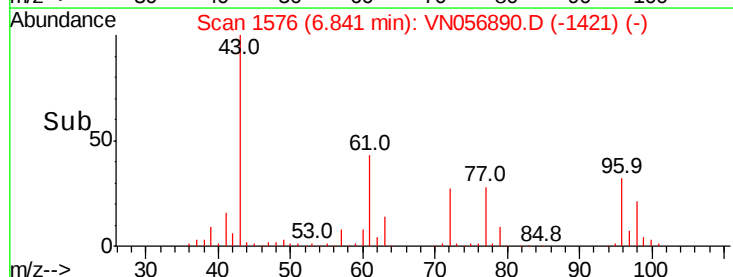
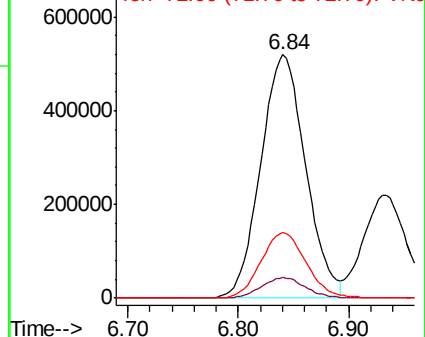
43 100

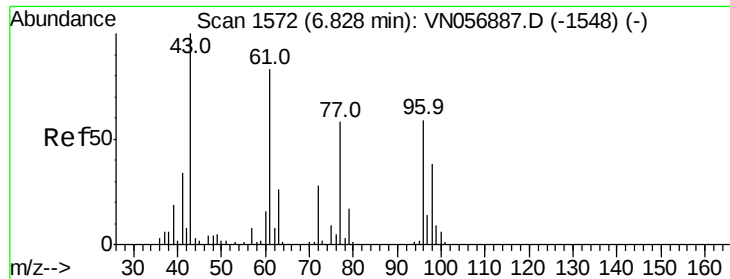
57 8.4 6.5 9.7

72 27.4 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 57.00 (56.70 to 57.70): VN0
Ion 72.00 (71.70 to 72.70): VN0





#31

2,2-Dichloropropane

Concen: 133.302 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.01 min

Lab File: VN056890.D

Acq: 23 Jul 2019 20:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 77 Resp: 680567

Ion Ratio Lower Upper

77 100

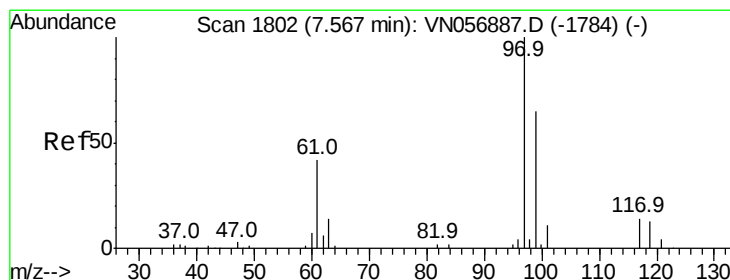
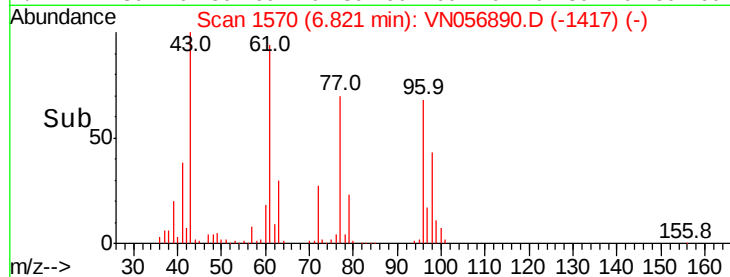
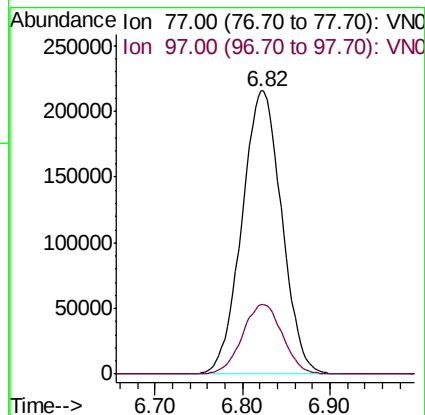
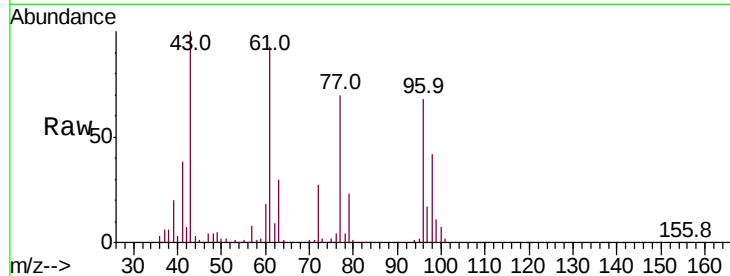
97 24.9 19.3 28.9

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 141.796 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN056890.D

Acq: 23 Jul 2019 20:40

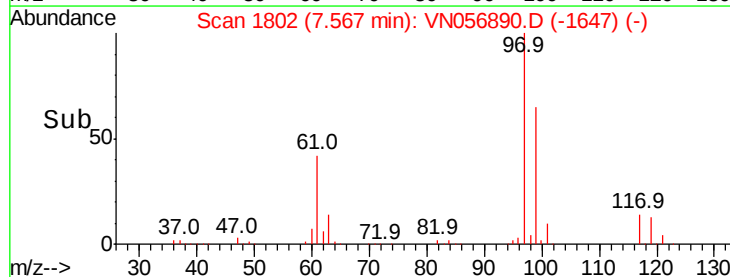
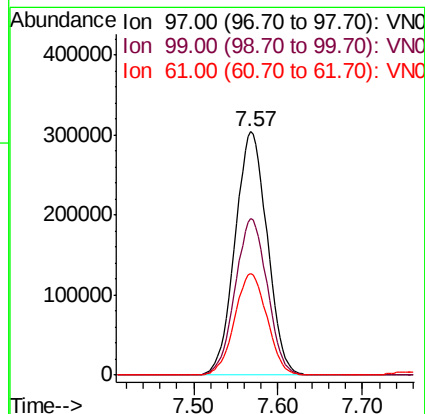
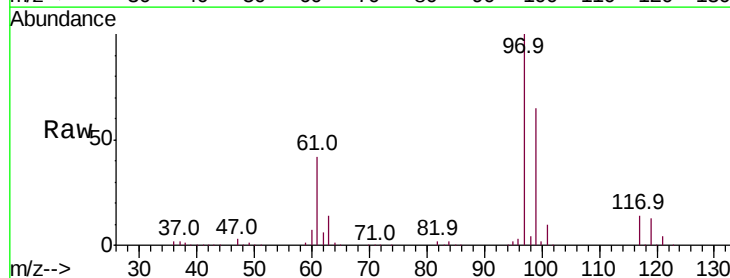
Tgt Ion: 97 Resp: 807097

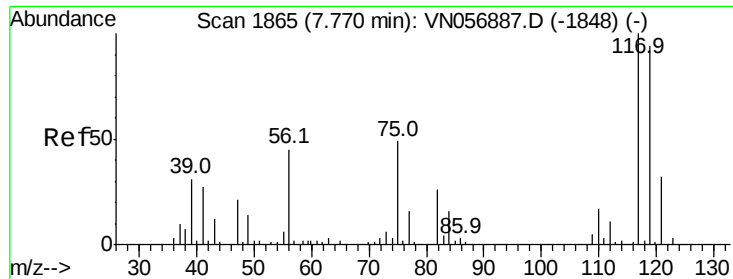
Ion Ratio Lower Upper

97 100

99 64.3 52.3 78.5

61 42.1 34.4 51.6





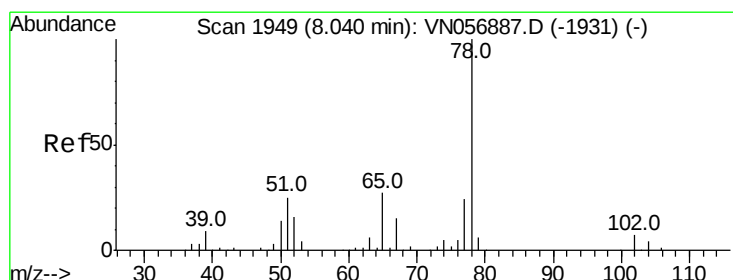
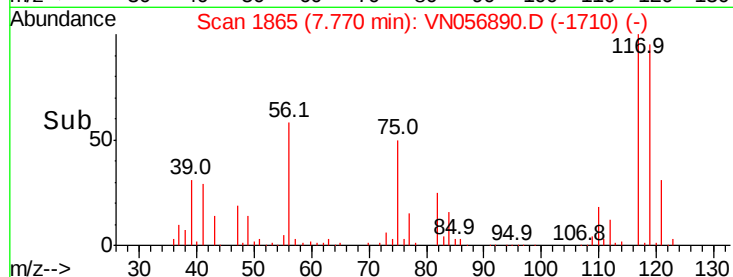
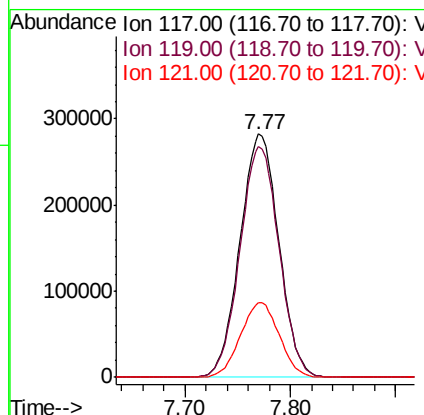
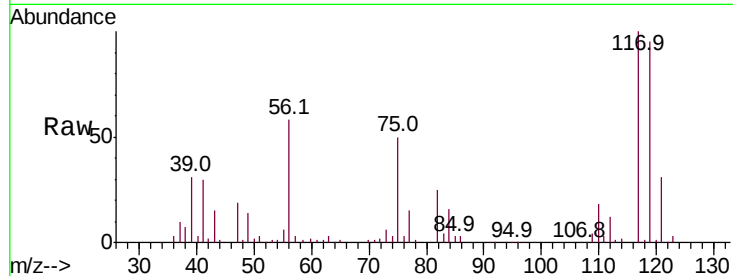
#33
Carbon Tetrachloride
Concen: 147.748 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN056890.D
Acq: 23 Jul 2019 20:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
119	94.9	75.1	112.7
121	30.8	25.8	38.8

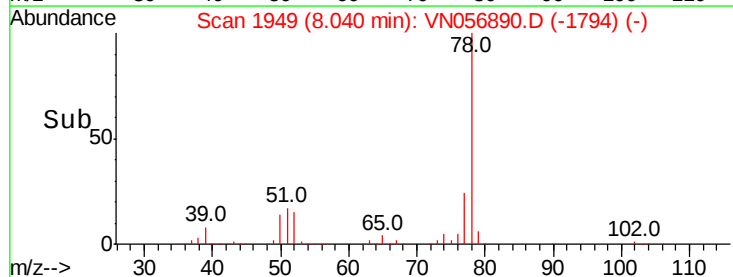
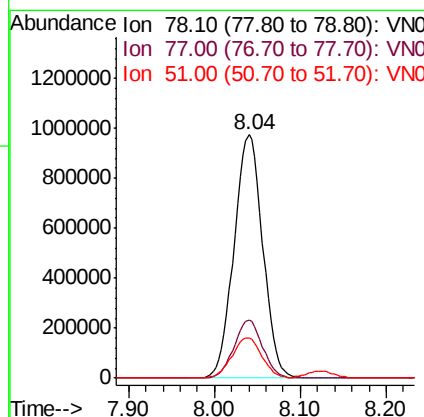
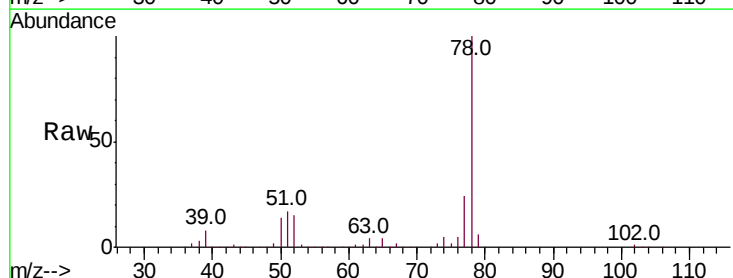
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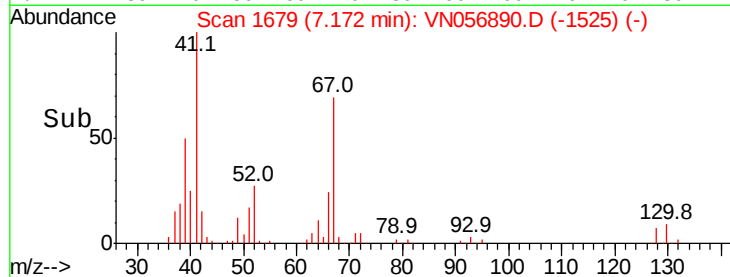
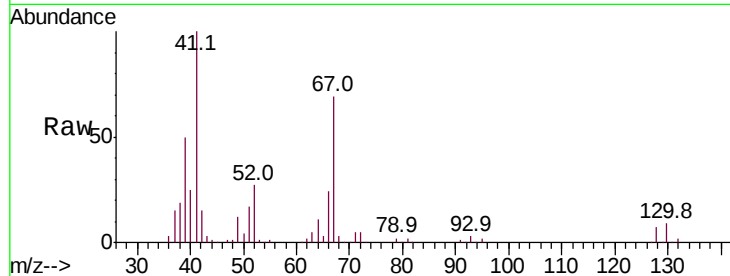
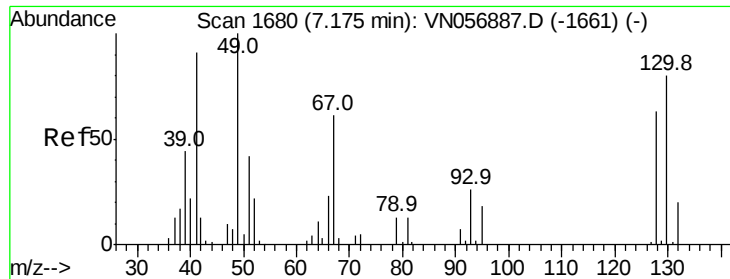
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#34
Benzene
Concen: 138.117 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN056890.D
Acq: 23 Jul 2019 20:40

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.4	29.2
51	16.5	20.4	30.6#





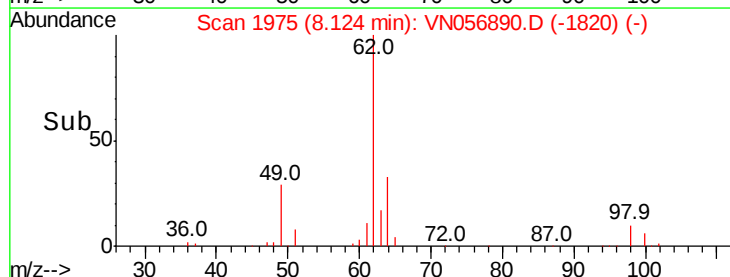
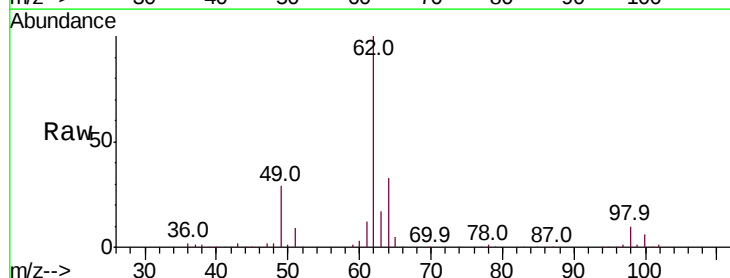
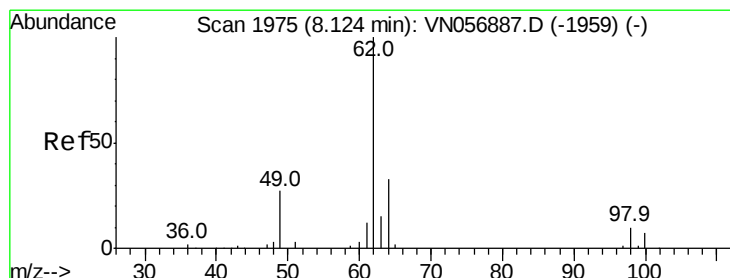
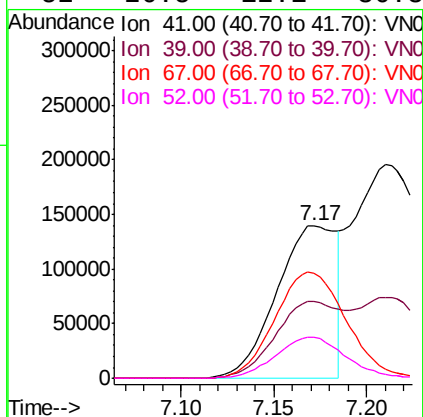
#35
Methacrylonitrile
Concen: 130.195 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN056890.D
Acq: 23 Jul 2019 20:40

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	49.9	24.4	73.2	
67	69.0	33.4	100.1	
52	26.5	12.1	36.3	

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

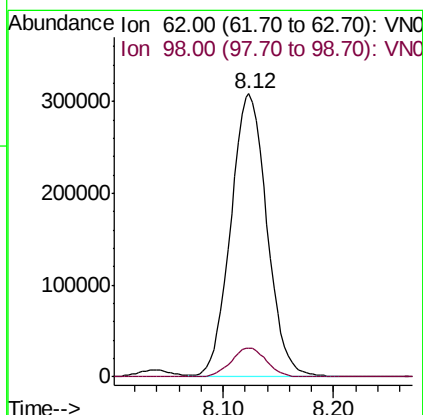
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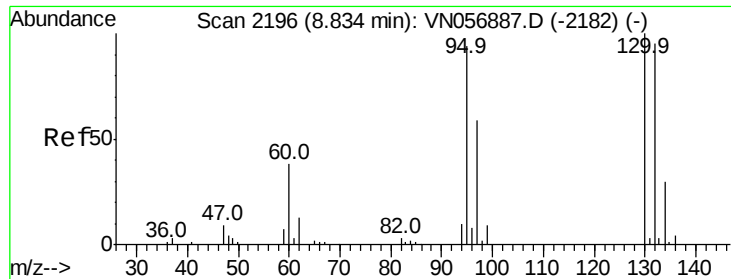
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#36
1,2-Dichloroethane
Concen: 133.375 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN056890.D
Acq: 23 Jul 2019 20:40

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.1	7.7	11.5	





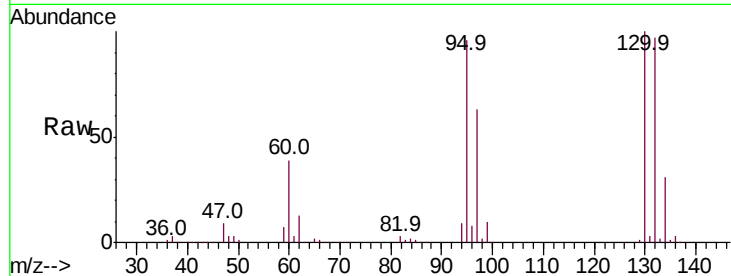
#37
 Trichloroethene
 Concen: 139.033 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN056890.D
 Acq: 23 Jul 2019 20:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

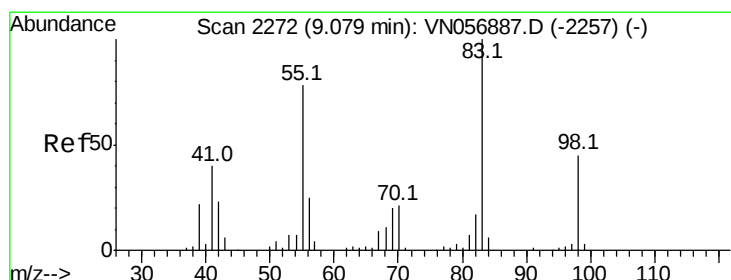
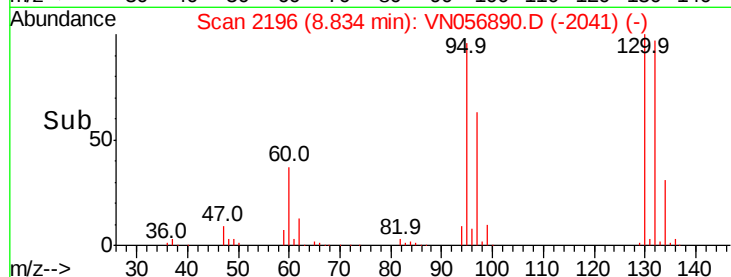
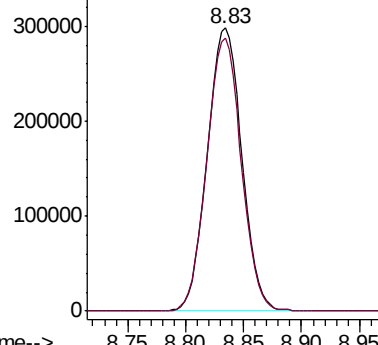
Tot Ion:130 Resp: 615798
 Ion Ratio Lower Upper
 130 100
 95 96.3 74.9 112.3

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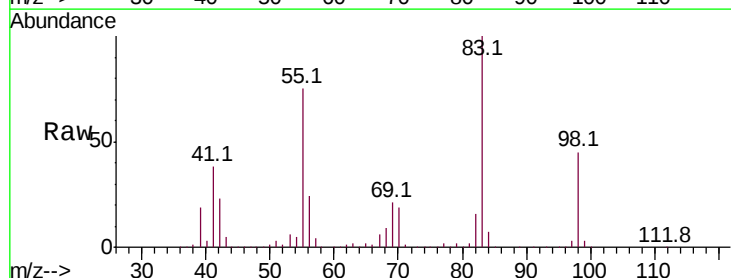


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

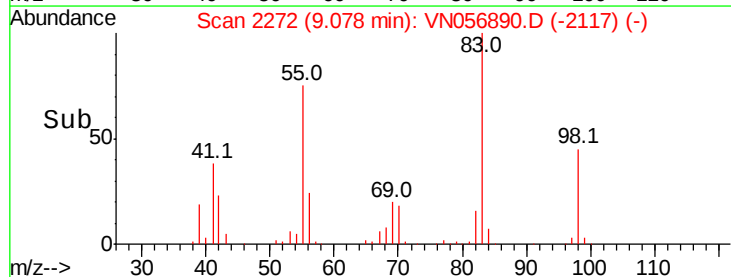
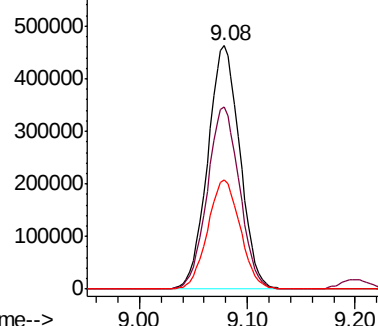


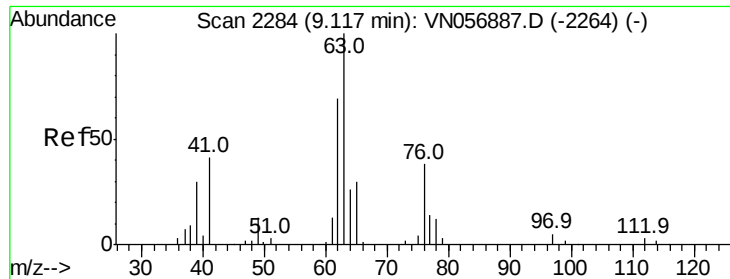
#38
 Methylcyclohexane
 Concen: 144.336 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VN056890.D
 Acq: 23 Jul 2019 20:40

Tgt Ion: 83 Resp: 961898
 Ion Ratio Lower Upper
 83 100
 55 74.9 38.4 115.1
 98 45.4 22.7 68.0



Abundance Ion 83.00 (82.70 to 83.70): VNO
 Ion 55.00 (54.70 to 55.70): VNO
 Ion 98.00 (97.70 to 98.70): VNO





#39

1,2-Dichloropropane

Concen: 139.074 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN056890.D

Acq: 23 Jul 2019 20:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 610294

Ion Ratio Lower Upper

63 100

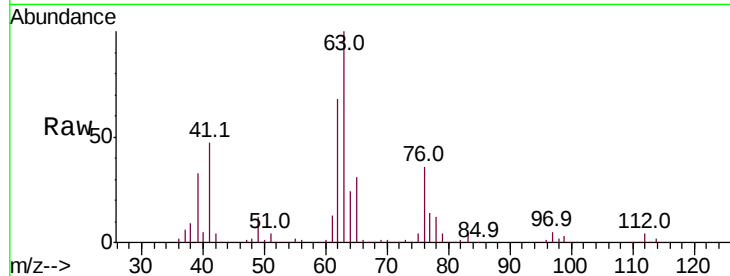
65 30.6 24.6 36.8

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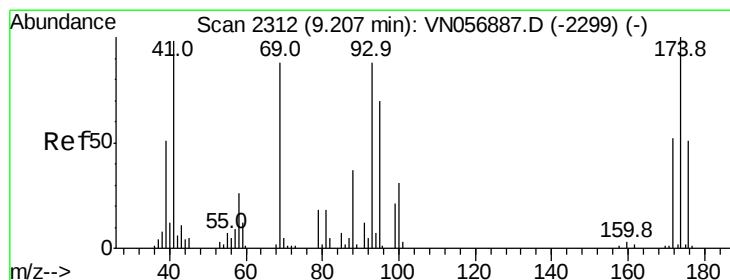
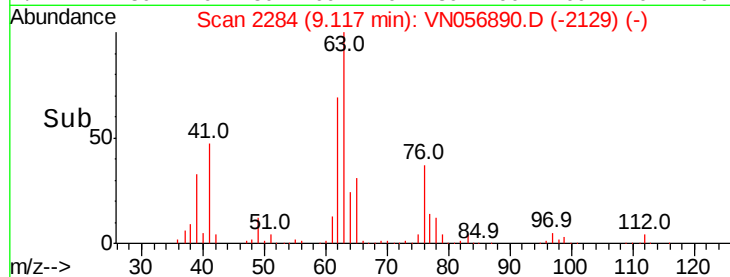
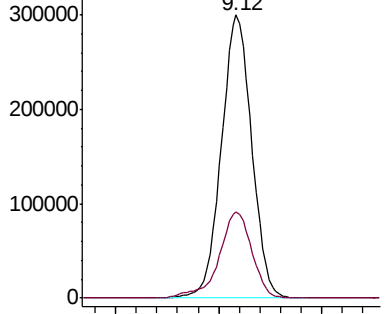
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Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 133.788 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN056890.D

Acq: 23 Jul 2019 20:40

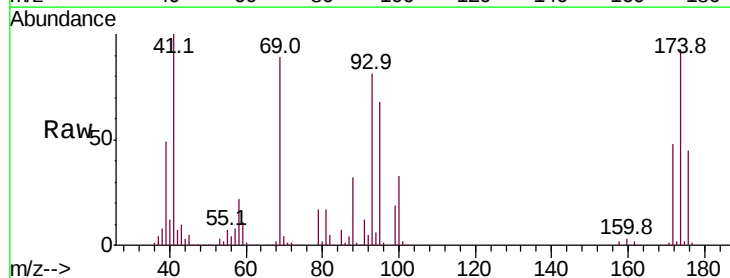
Tgt Ion: 93 Resp: 372240

Ion Ratio Lower Upper

93 100

95 83.9 0.0 165.8

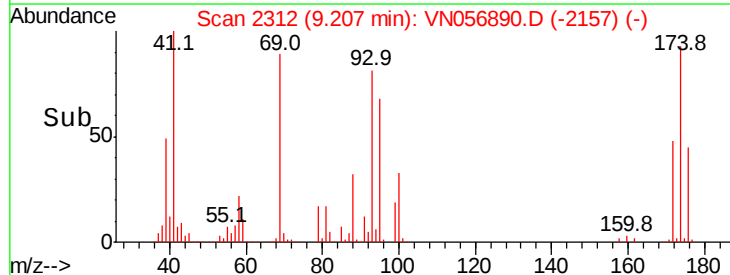
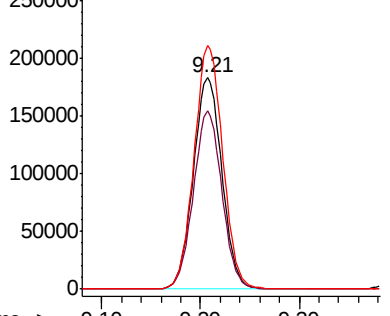
174 115.2 0.0 232.4

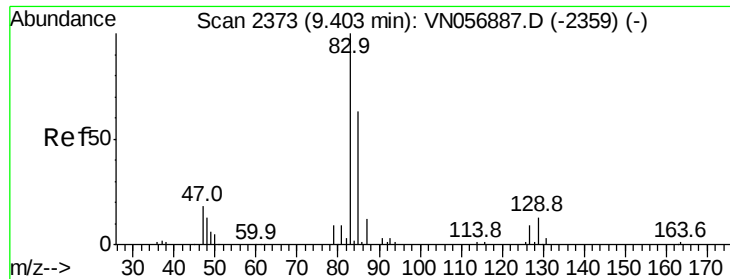


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 144.693 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN056890.D

Acq: 23 Jul 2019 20:40

Instrument :

MSVOA_N

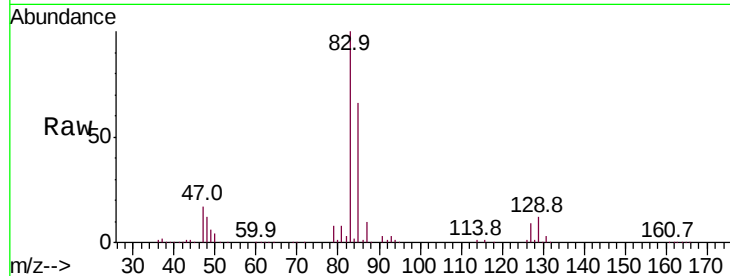
ClientSampleId :

VSTDIC150

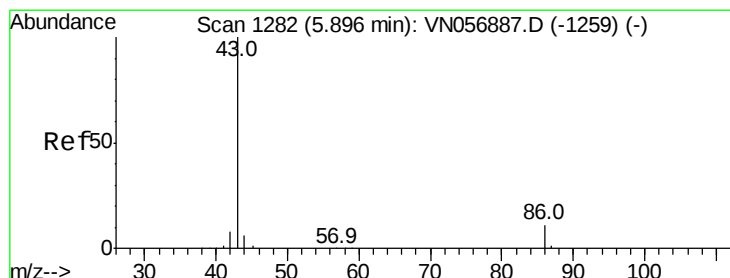
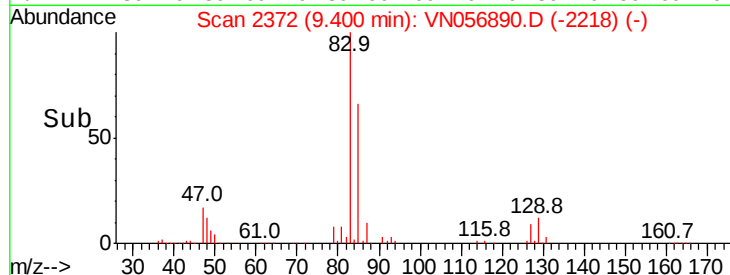
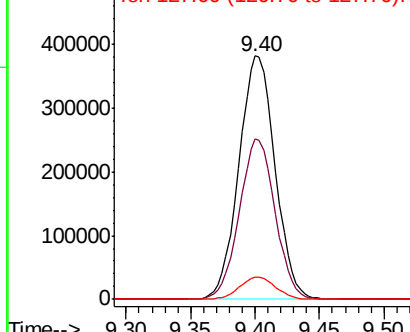
Tot Ion:	83	Resp:	746307
Ion Ratio	Lower	Upper	
83	100		
85	66.0	50.6	75.8
127	9.1	7.2	10.8

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Abundance Ion 83.00 (82.70 to 83.70): VNO
Ion 85.00 (84.70 to 85.70): VNO
Ion 127.00 (126.70 to 127.70): VNO



#42

Vinyl Acetate

Concen: 667.465 ug/l

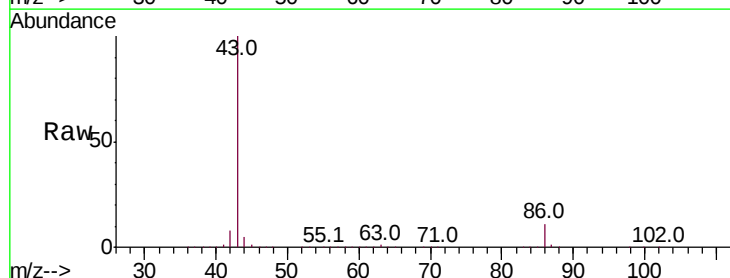
RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

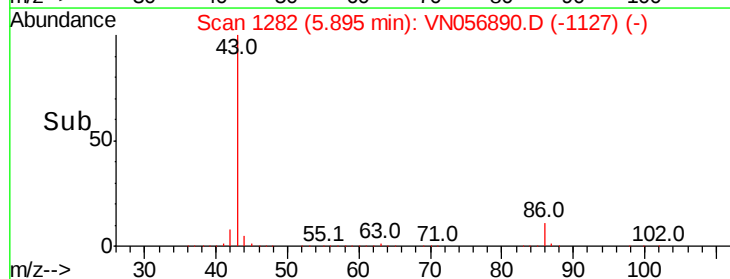
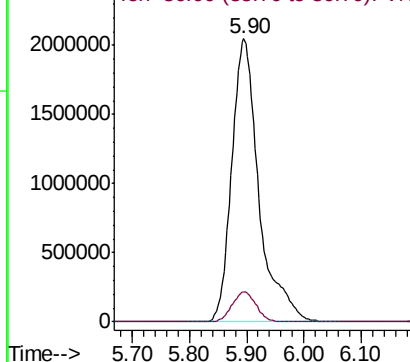
Lab File: VN056890.D

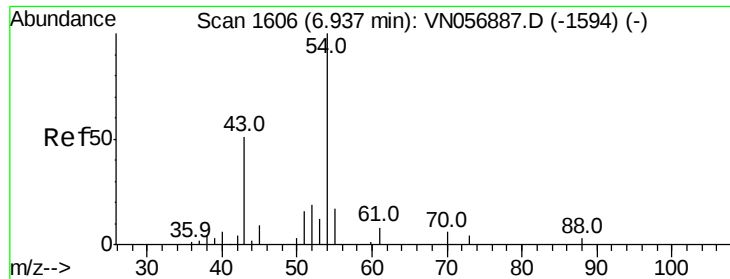
Acq: 23 Jul 2019 20:40

Tgt Ion:	43	Resp:	6731588
Ion Ratio	Lower	Upper	
43	100		
86	9.5	7.4	11.2



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 86.00 (85.70 to 86.70): VNO





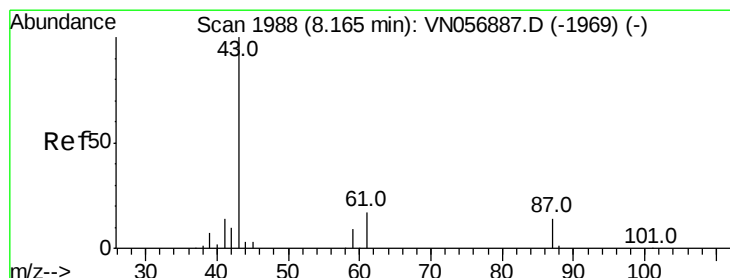
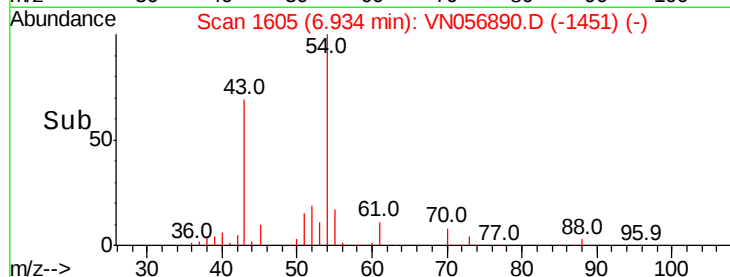
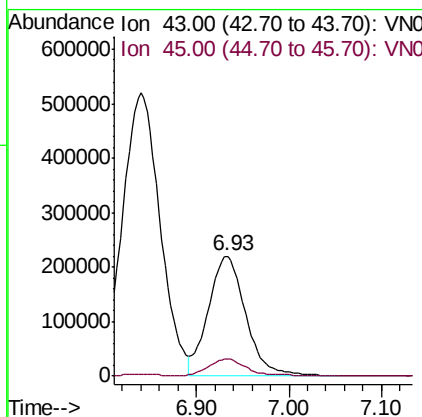
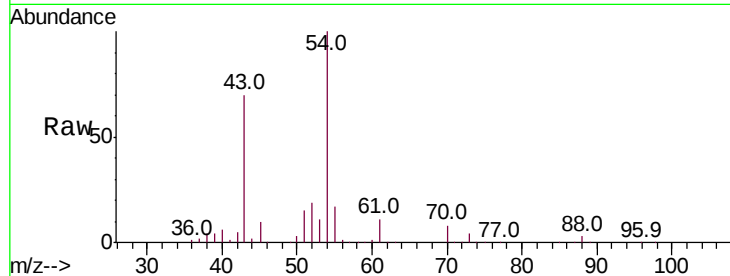
#43
Ethyl Acetate
Concen: 114.274 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN056890.D
Acq: 23 Jul 2019 20:40

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion: 43 Resp: 608478
Ion Ratio Lower Upper
43 100
45 13.5 10.2 15.2

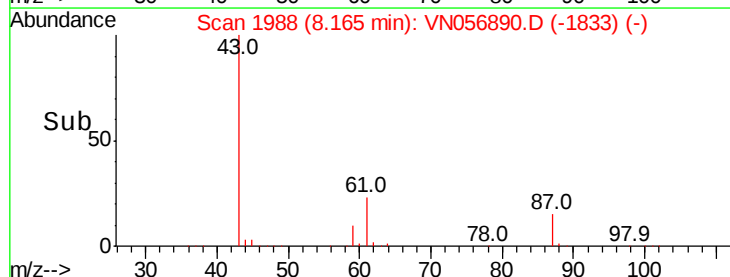
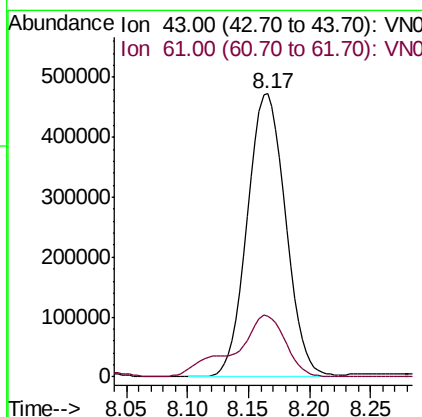
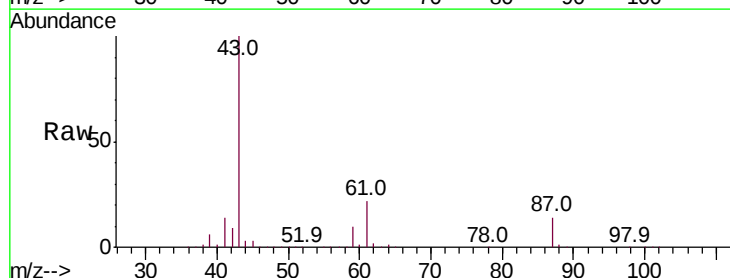
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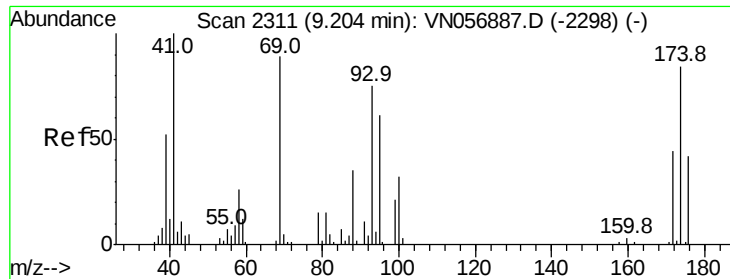
MMDadoda
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#44
Isopropyl Acetate
Concen: 121.003 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VN056890.D
Acq: 23 Jul 2019 20:40

Tgt Ion: 43 Resp: 1026577
Ion Ratio Lower Upper
43 100
61 21.3 23.0 34.4#





#45

1,4-Dioxane

Concen: 2284.881 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN056890.D

Acq: 23 Jul 2019 20:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 88 Resp: 191443

Ion Ratio Lower Upper

88 100

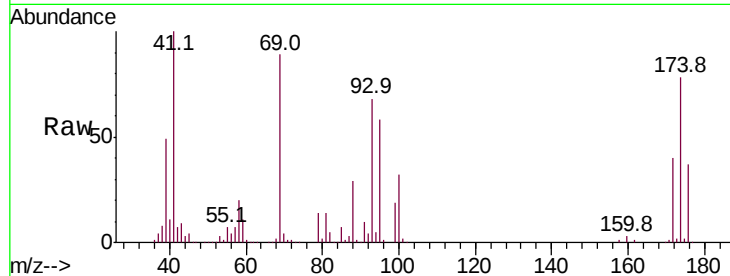
43 26.3 23.4 35.0

58 68.7 58.5 87.7

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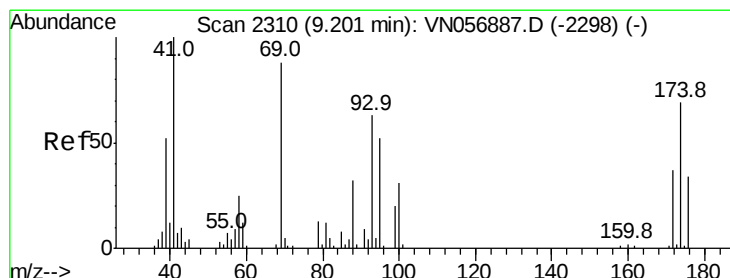
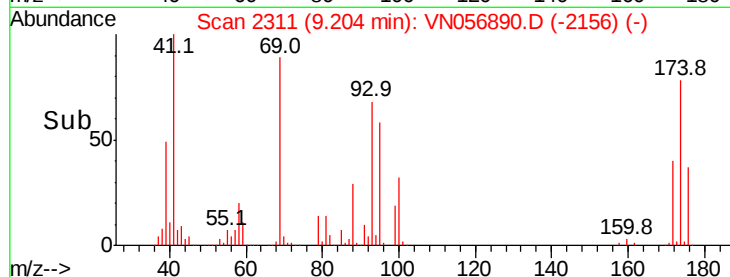
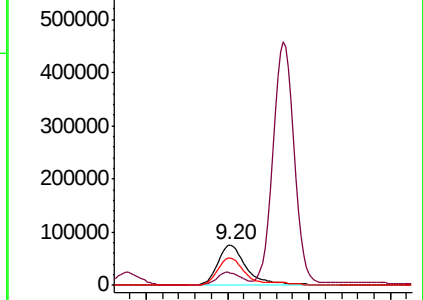
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Abundance Ion 88.00 (87.70 to 88.70): VN056887.D (-2298) (-)

Ion 43.00 (42.70 to 43.70): VN056887.D (-2298) (-)

Ion 58.00 (57.70 to 58.70): VN056887.D (-2298) (-)



#46

Methyl methacrylate

Concen: 126.220 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN056890.D

Acq: 23 Jul 2019 20:40

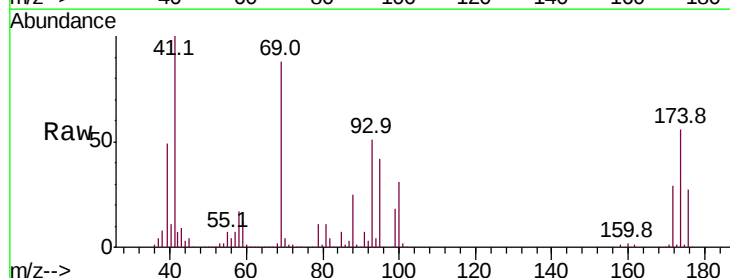
Tgt Ion: 41 Resp: 513137

Ion Ratio Lower Upper

41 100

69 88.1 44.0 132.0

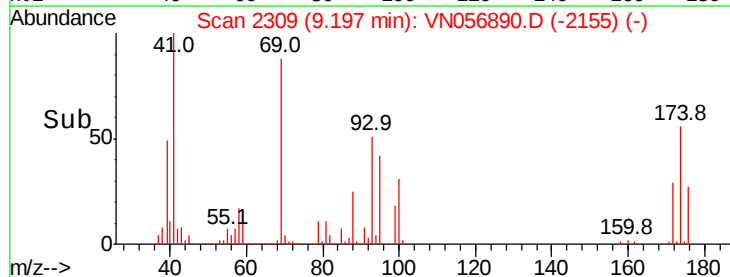
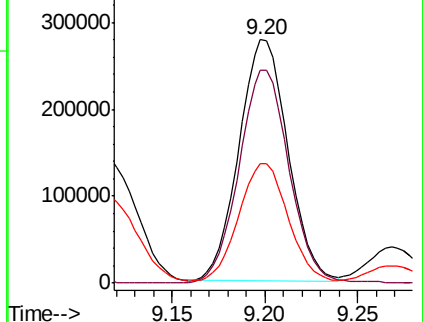
39 48.4 25.8 77.4

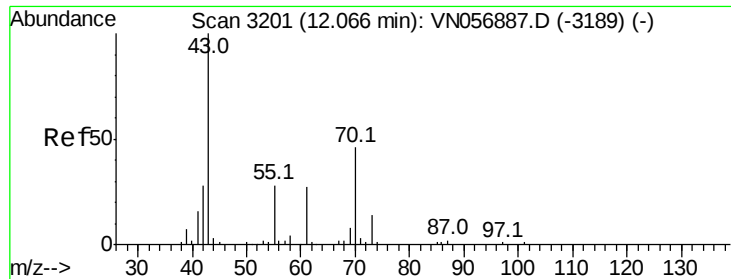


Abundance Ion 41.00 (40.70 to 41.70): VN056890.D (-2155) (-)

Ion 69.00 (68.70 to 69.70): VN056890.D (-2155) (-)

Ion 39.00 (38.70 to 39.70): VN056890.D (-2155) (-)





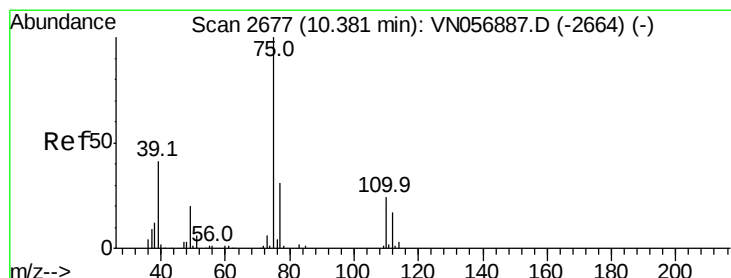
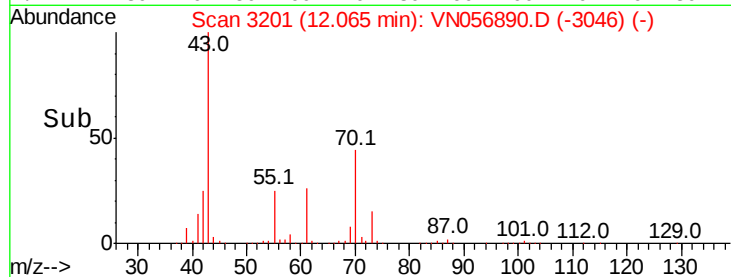
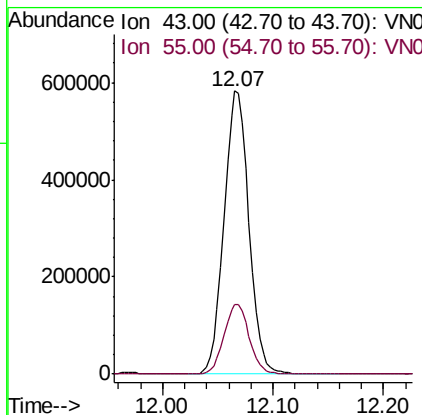
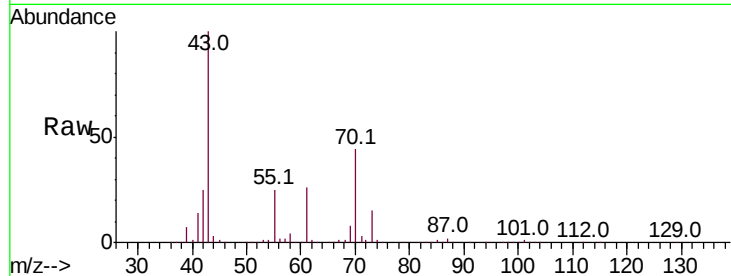
#47
n-amvl Acetate
Concen: 131.903 ug/l
RT: 12.07 min Scan# 3201
Delta R.T. -0.00 min
Lab File: VN056890.D
Acq: 23 Jul 2019 20:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
55	25.2	21.3	31.9

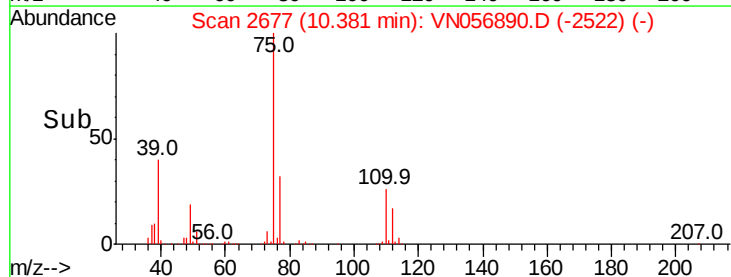
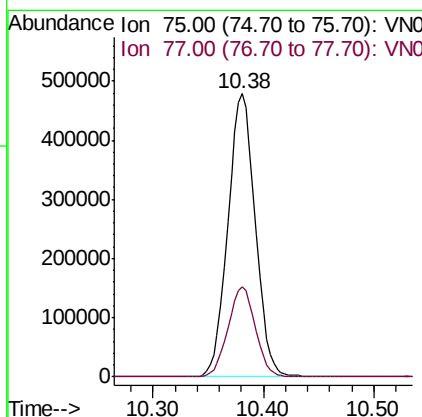
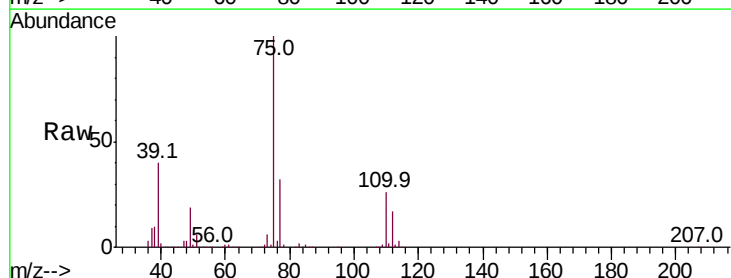
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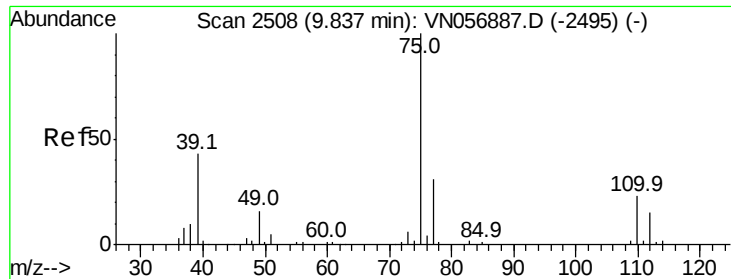
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#48
t-1,3-Dichloropropene
Concen: 146.472 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN056890.D
Acq: 23 Jul 2019 20:40

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.4	38.0





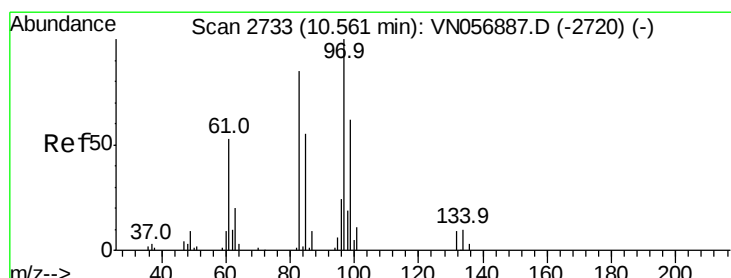
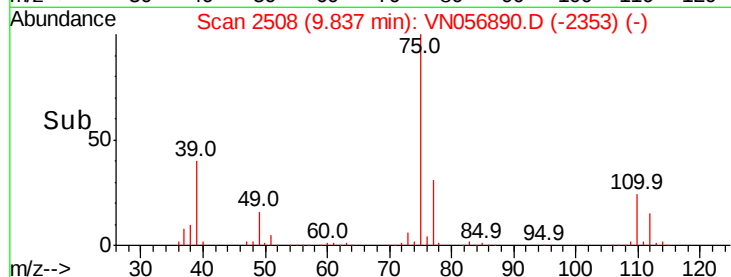
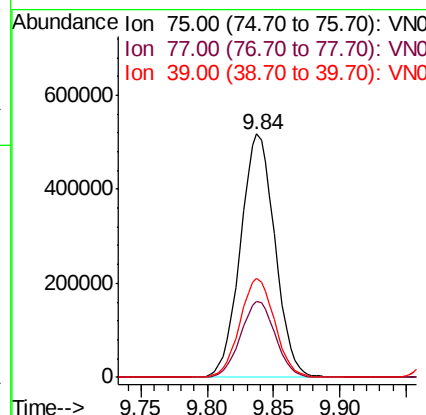
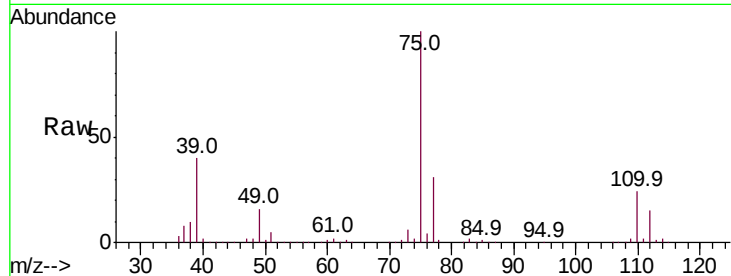
#49
 cis-1,3-Dichloropropene
 Concen: 146.270 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. -0.00 min
 Lab File: VN056890.D
 Acq: 23 Jul 2019 20:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	24.4	36.6
39	40.4	34.2	51.4

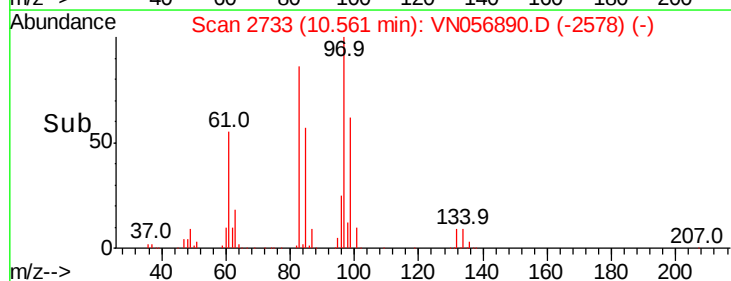
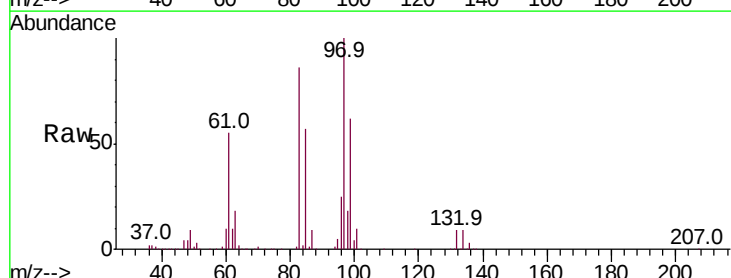
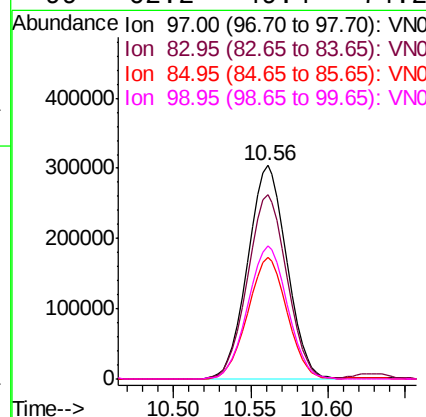
Manual Integrations
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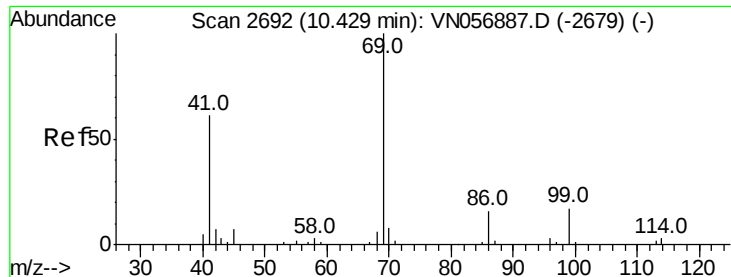
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#50
 1,1,2-Trichloroethane
 Concen: 131.537 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN056890.D
 Acq: 23 Jul 2019 20:40

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.4	68.4	102.6
85	56.8	44.3	66.5
99	62.2	49.4	74.2





#51

Ethyl methacrylate

Concen: 133.976 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN056890.D

Acq: 23 Jul 2019 20:40

Instrument :

MSVOA_N

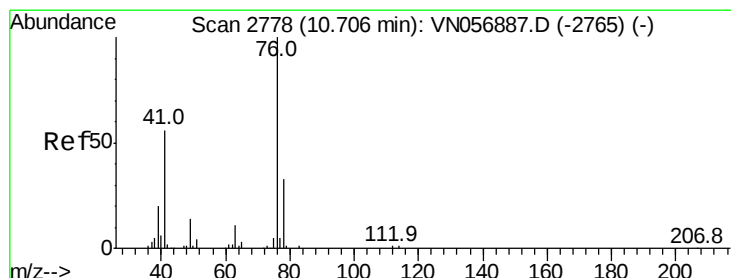
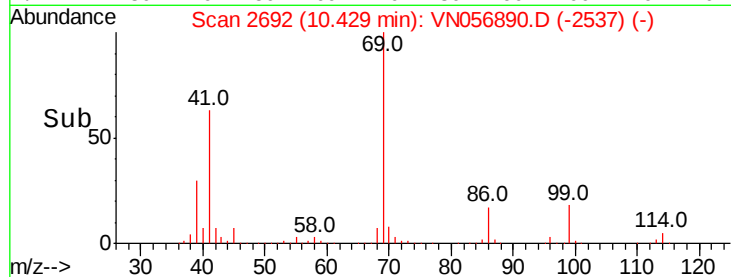
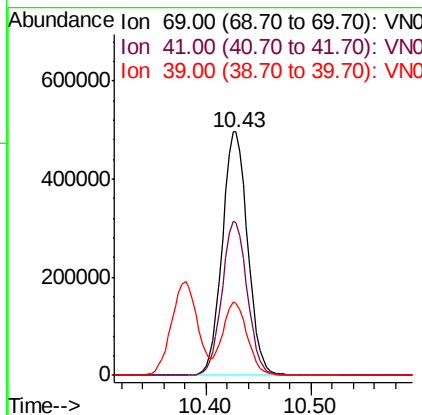
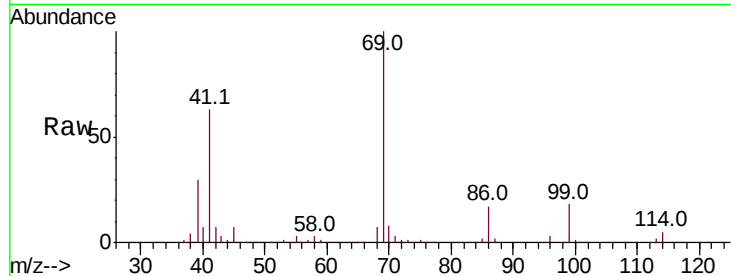
ClientSampleId :

VSTDIC150

Tot Ion:	69	Resp:	826720
Ion	Ratio	Lower	Upper
69	100		
41	62.7	30.4	91.3
39	29.5	14.2	42.6

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 135.049 ug/l

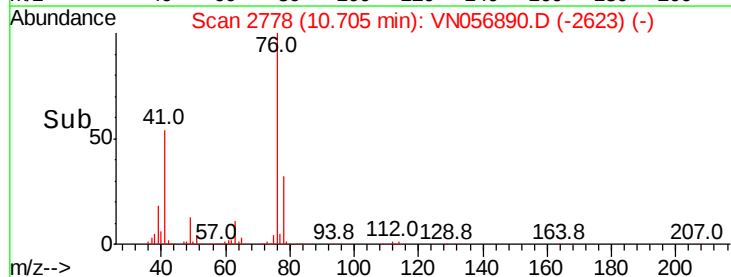
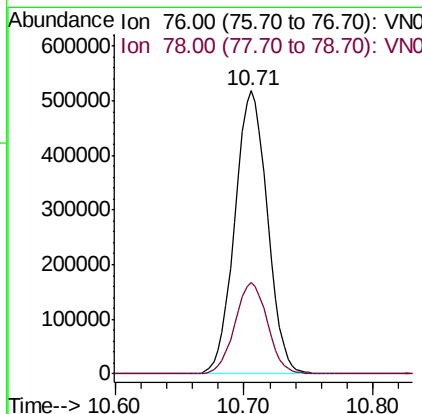
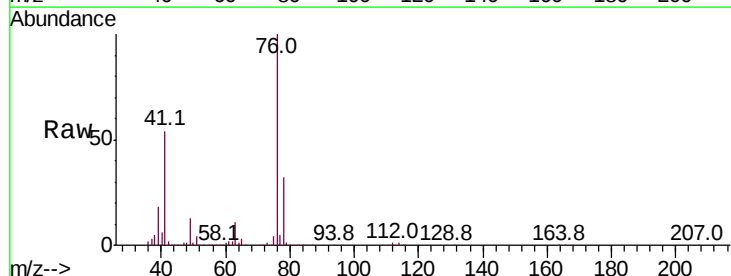
RT: 10.71 min Scan# 2778

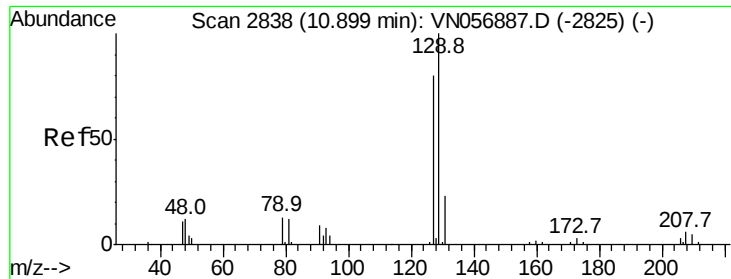
Delta R.T. -0.00 min

Lab File: VN056890.D

Acq: 23 Jul 2019 20:40

Tgt Ion:	76	Resp:	912866
Ion	Ratio	Lower	Upper
76	100		
78	32.2	0.0	64.2





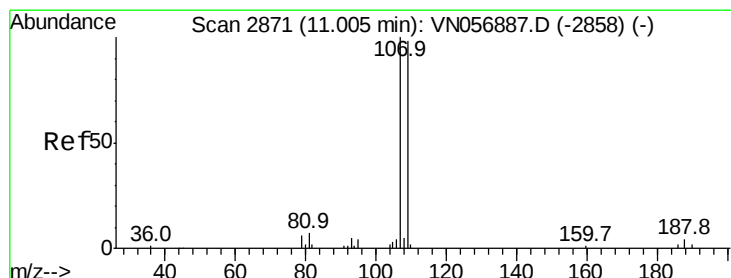
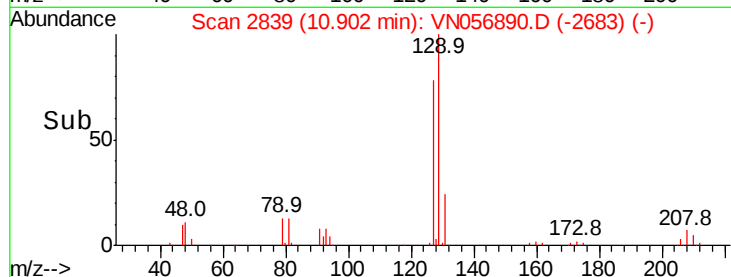
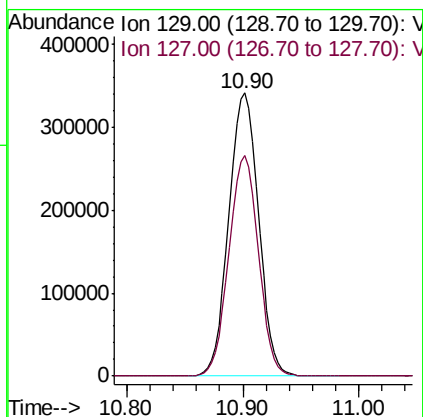
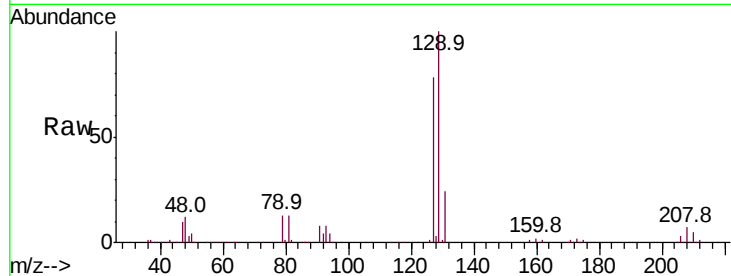
#53
 Dibromochloromethane
 Concen: 147.269 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. 0.00 min
 Lab File: VN056890.D
 Acq: 23 Jul 2019 20:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:129 Resp: 606748
 Ion Ratio Lower Upper
 129 100
 127 77.0 38.8 116.4

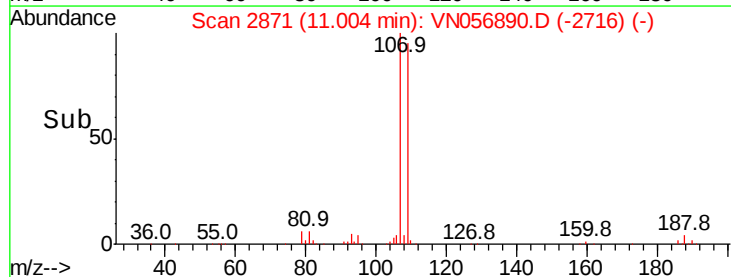
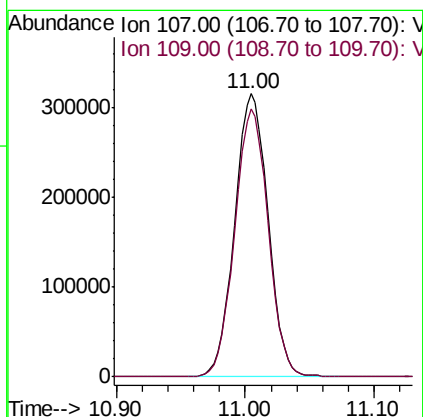
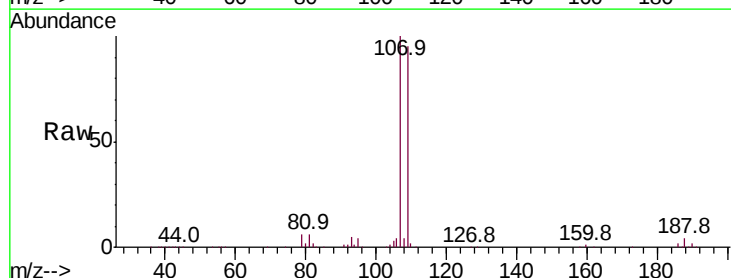
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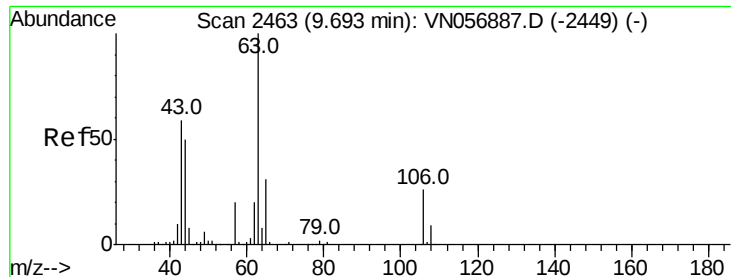
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#54
 1,2-Dibromoethane
 Concen: 135.155 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN056890.D
 Acq: 23 Jul 2019 20:40

Tgt Ion:107 Resp: 567329
 Ion Ratio Lower Upper
 107 100
 109 95.0 76.2 114.2





#55

2-Chloroethyl vinyl ether

Concen: 611.161 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN056890.D

Acq: 23 Jul 2019 20:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 1794461

Ion Ratio Lower Upper

63 100

65 32.0 25.1 37.7

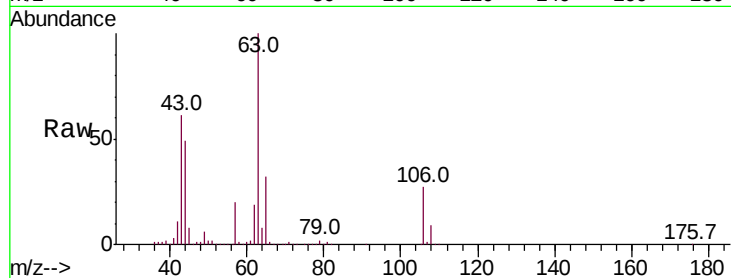
106 27.1 21.5 32.3

Manual Integrations

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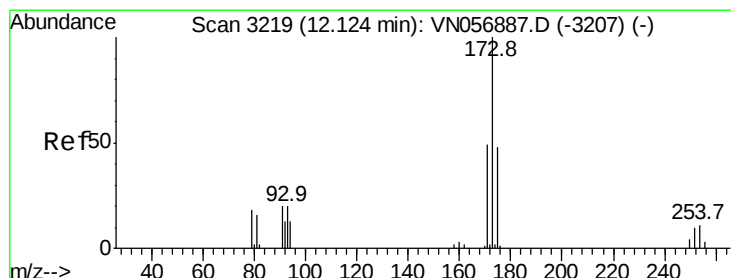
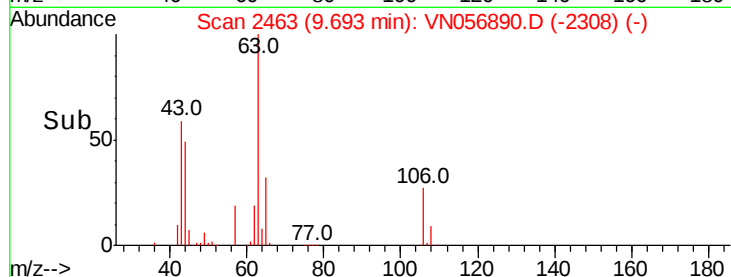
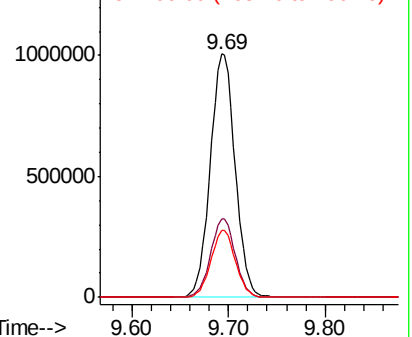
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Abundance Ion 63.00 (62.70 to 63.70): VN056887.D (-2449) (-)

Ion 65.00 (64.70 to 65.70): VN056887.D (-2449) (-)

Ion 106.00 (105.70 to 106.70): VN056887.D (-2449) (-)



#56

Bromoform

Concen: 144.158 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN056890.D

Acq: 23 Jul 2019 20:40

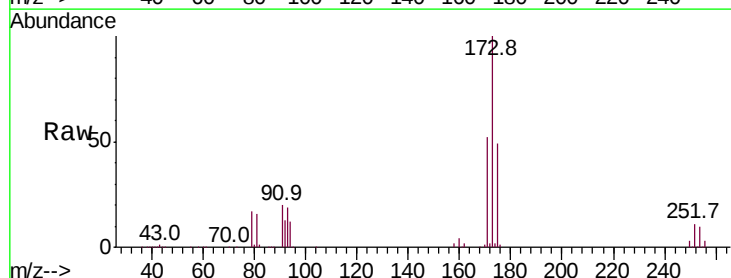
Tgt Ion: 173 Resp: 435007

Ion Ratio Lower Upper

173 100

175 48.8 38.8 58.2

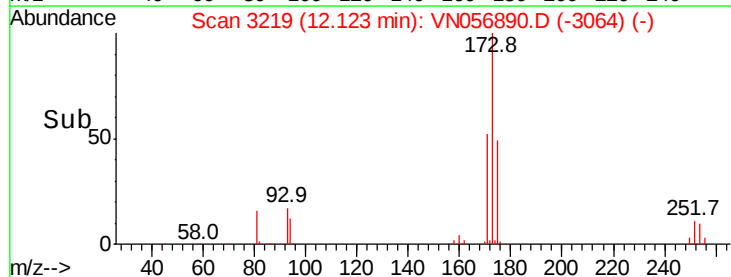
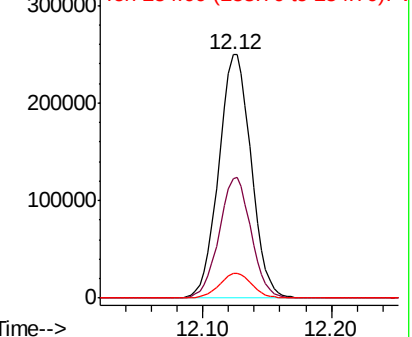
254 10.2 8.1 12.1

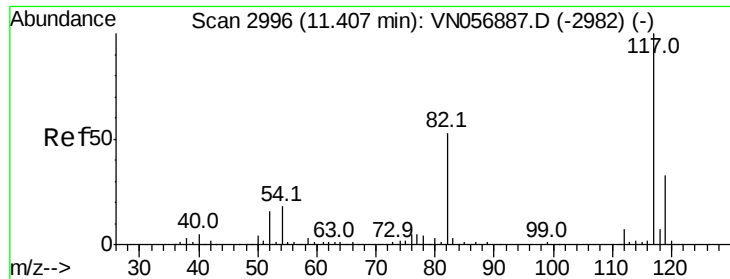


Abundance Ion 173.00 (172.70 to 173.70): VN056887.D (-3207) (-)

Ion 175.00 (174.70 to 175.70): VN056887.D (-3207) (-)

Ion 254.00 (253.70 to 254.70): VN056887.D (-3207) (-)





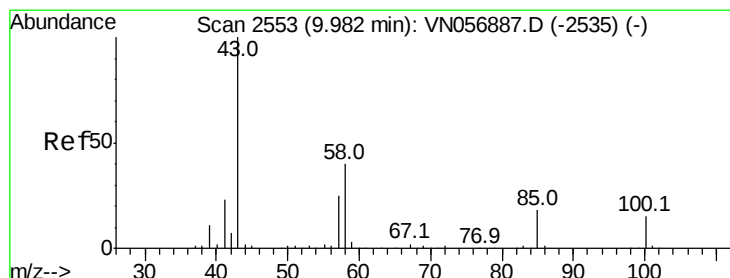
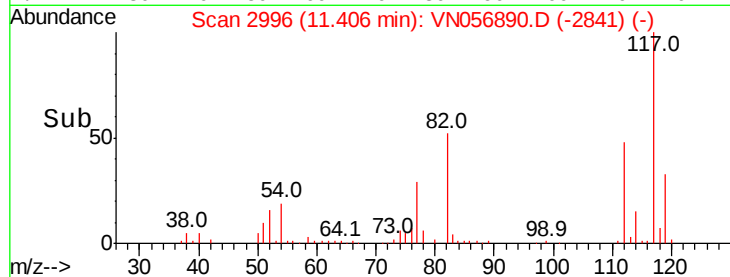
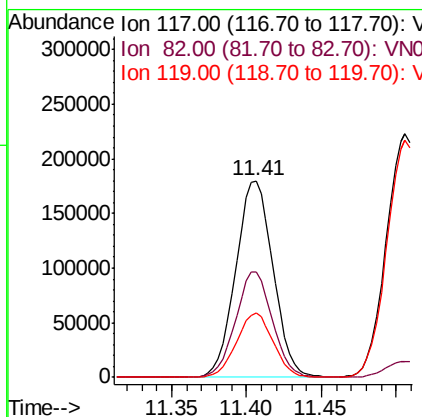
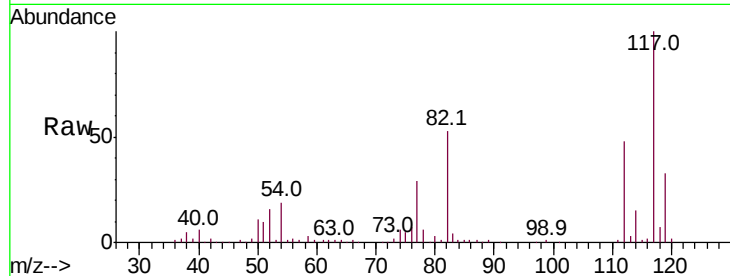
#57
 Chlorobenzene-d5
 Concen: 30.000 ug/l
 RT: 11.41 min Scan# 2996
 Delta R.T. -0.00 min
 Lab File: VN056890.D
 Acq: 23 Jul 2019 20:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:	117	Resp:	312213
Ion Ratio	Lower	Upper	
117	100		
82	52.9	43.0	64.4
119	32.1	26.2	39.2

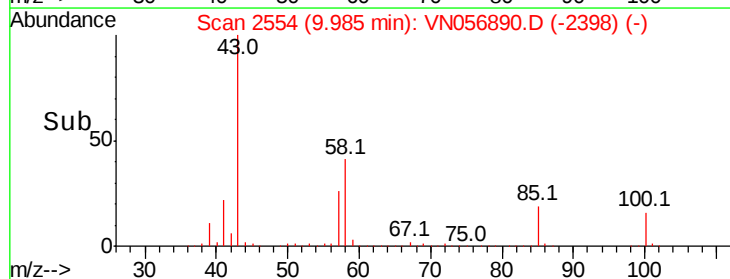
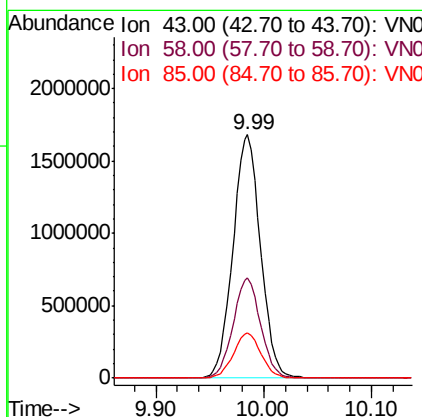
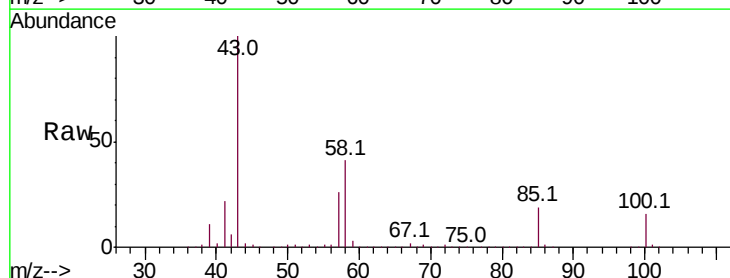
Manual Integrations
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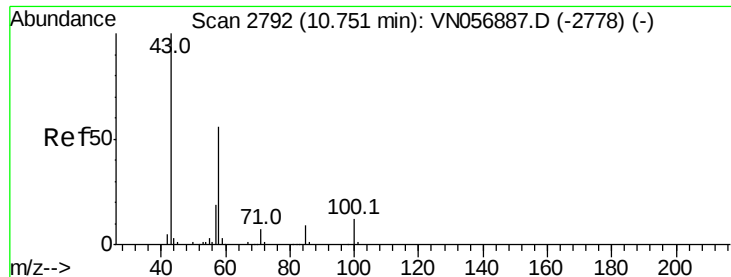
MMDadoda
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#58
 4-Methyl-2-Pentanone
 Concen: 539.698 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN056890.D
 Acq: 23 Jul 2019 20:40

Tgt Ion:	43	Resp:	2993963
Ion Ratio	Lower	Upper	
43	100		
58	40.8	31.7	47.5
85	18.5	14.5	21.7





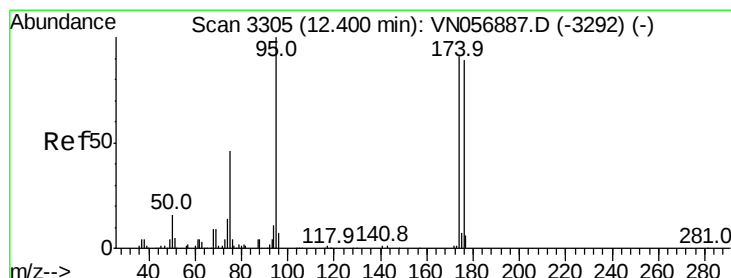
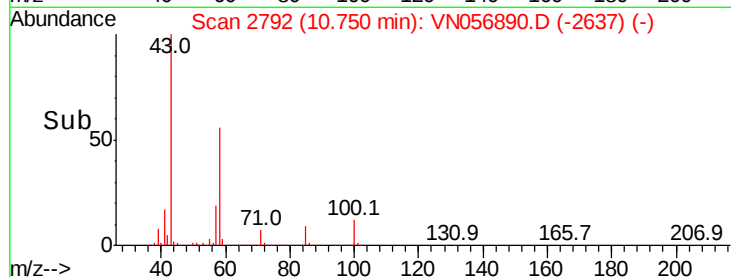
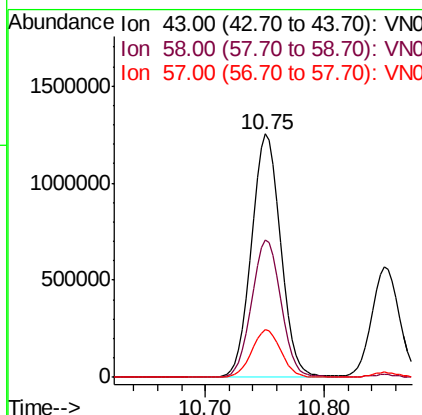
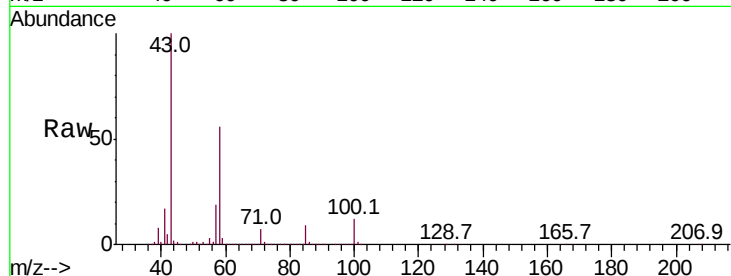
#59
2-Hexanone
Concen: 520.787 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN056890.D
Acq: 23 Jul 2019 20:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 2133197
Ion Ratio Lower Upper
43 100
58 56.7 45.0 67.4
57 19.6 15.4 23.0

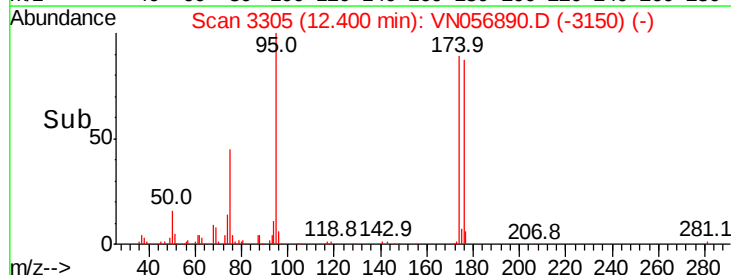
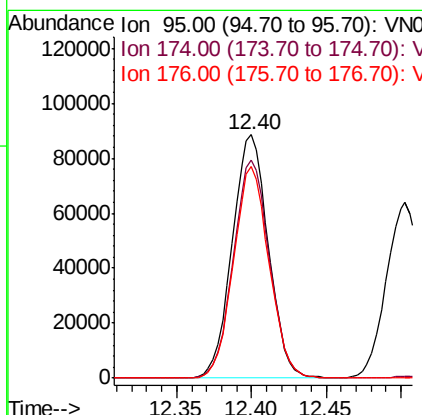
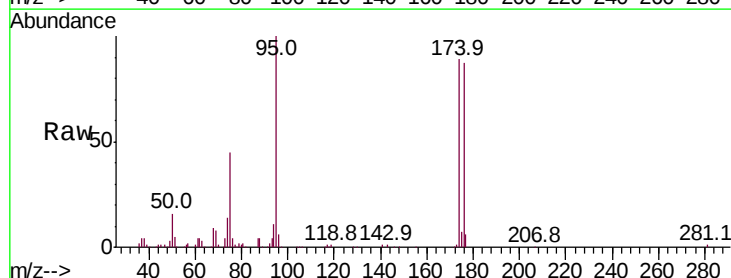
Manual Integrations
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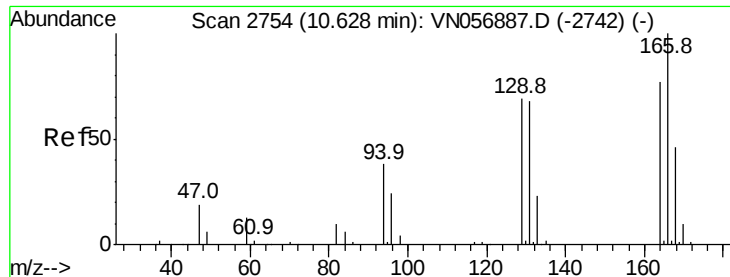
MMDadoda
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#60
4-Bromofluorobenzene
Concen: 31.361 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN056890.D
Acq: 23 Jul 2019 20:40

Tgt Ion: 95 Resp: 148736
Ion Ratio Lower Upper
95 100
174 89.6 71.9 107.9
176 85.9 69.8 104.8





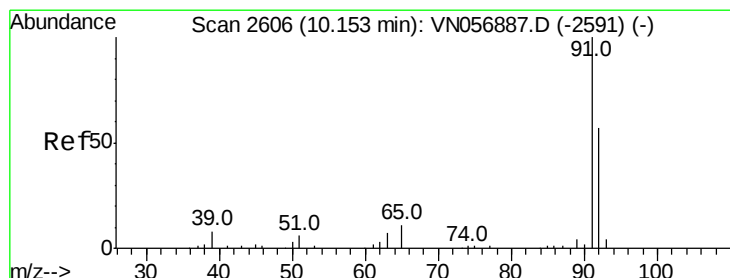
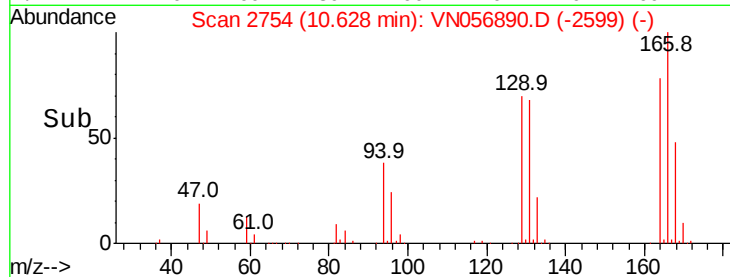
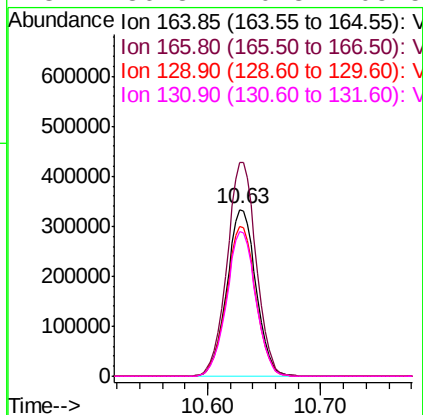
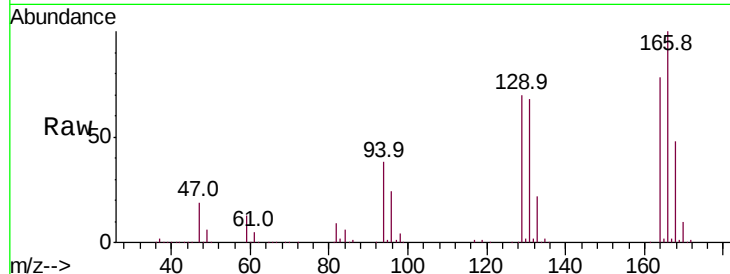
#61
Tetrachloroethene
Concen: 133.821 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN056890.D
Acq: 23 Jul 2019 20:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
164	100		
166	127.9	103.9	155.9
129	90.1	72.4	108.6
131	86.8	70.3	105.5

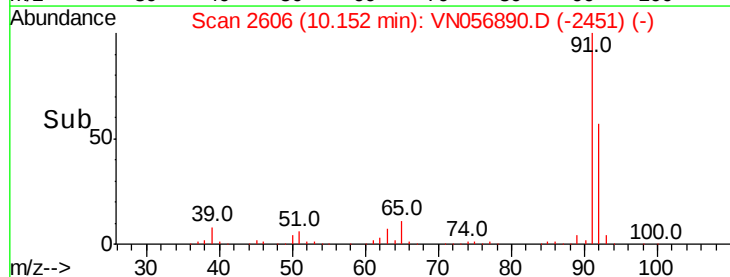
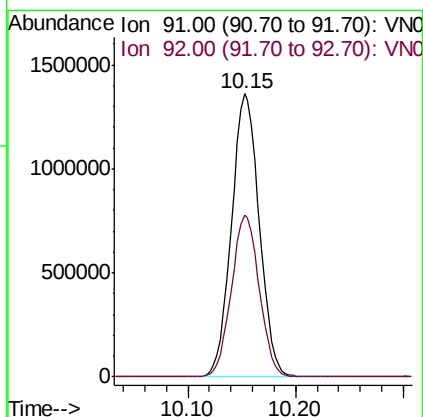
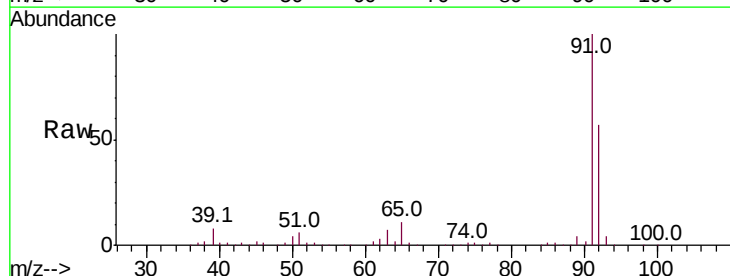
Manual Integrations
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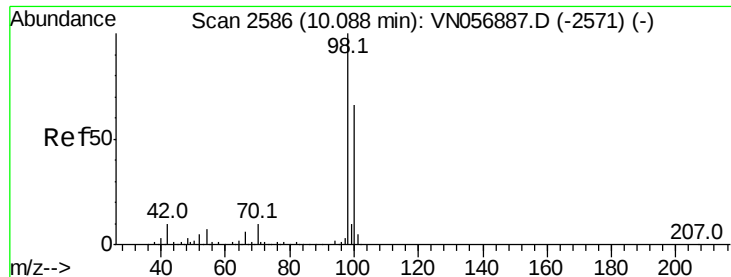
MMDadoda
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#62
Toluene
Concen: 136.090 ug/l
RT: 10.15 min Scan# 2606
Delta R.T. -0.00 min
Lab File: VN056890.D
Acq: 23 Jul 2019 20:40

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.5	46.1	69.1





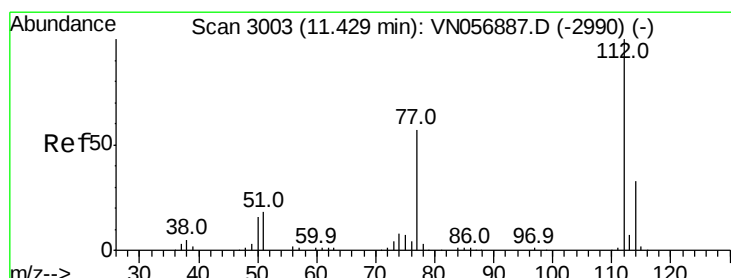
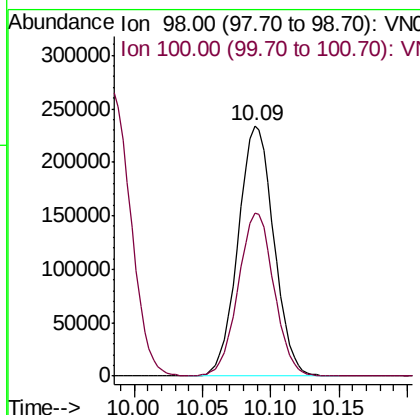
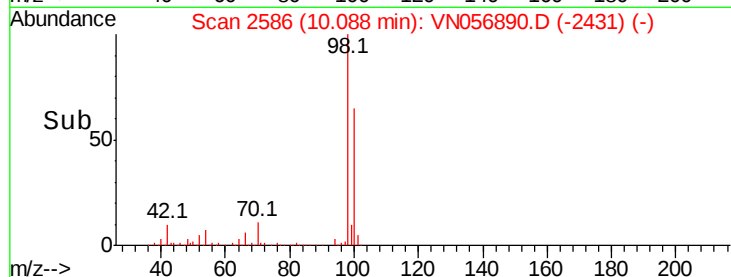
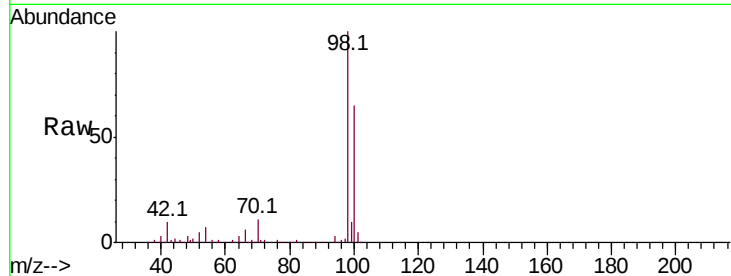
#63
Toluene-d8
Concen: 29.650 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN056890.D
Acq: 23 Jul 2019 20:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 98 Resp: 425976
Ion Ratio Lower Upper
98 100
100 65.1 51.4 77.2

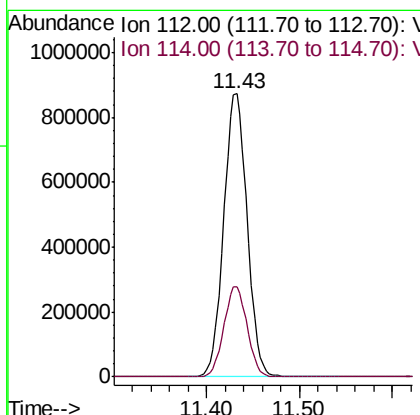
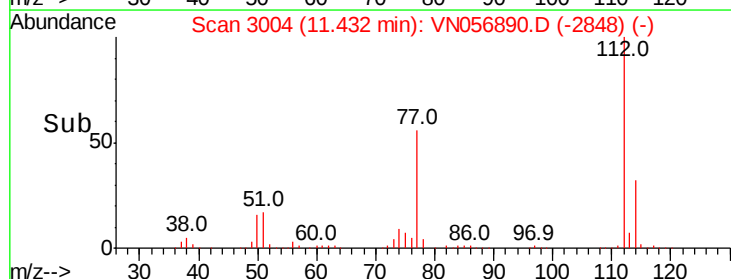
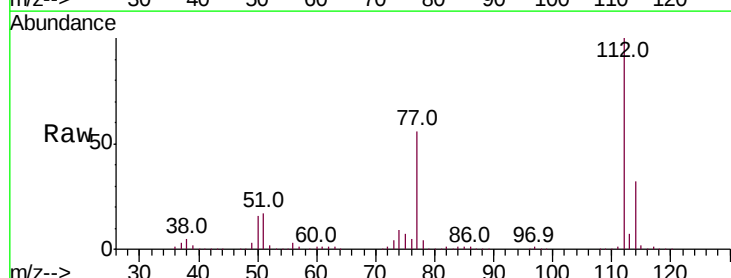
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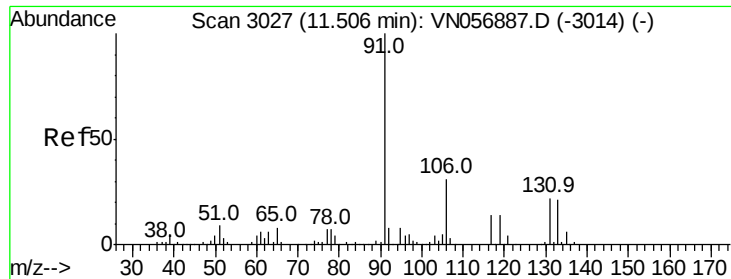
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#64
Chlorobenzene
Concen: 139.760 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056890.D
Acq: 23 Jul 2019 20:40

Tgt Ion: 112 Resp: 1529435
Ion Ratio Lower Upper
112 100
114 31.9 26.7 40.1





#65

1,1,1,2-Tetrachloroethane

Concen: 141.615 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN056890.D

Acq: 23 Jul 2019 20:40

Instrument :

MSVOA_N

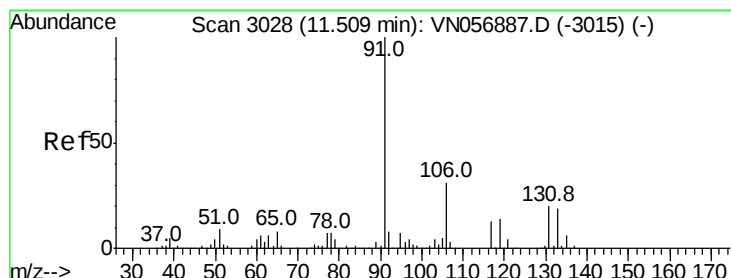
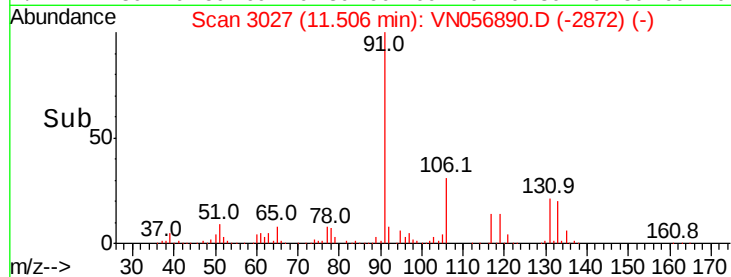
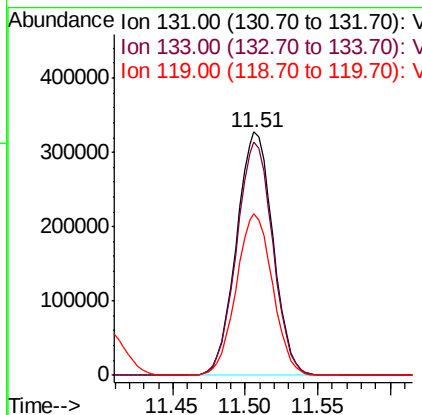
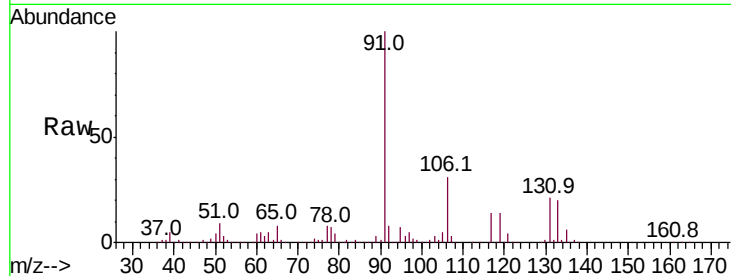
ClientSampleId :

VSTDIC150

Tot Ion:	131	Resp:	573153
Ion Ratio	Lower	Upper	
131	100		
133	95.4	0.0	189.6
119	66.0	0.0	133.6

Manual Integrations
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#66

Ethyl Benzene

Concen: 140.984 ug/l

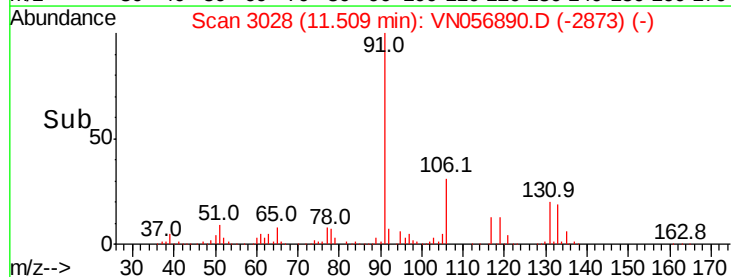
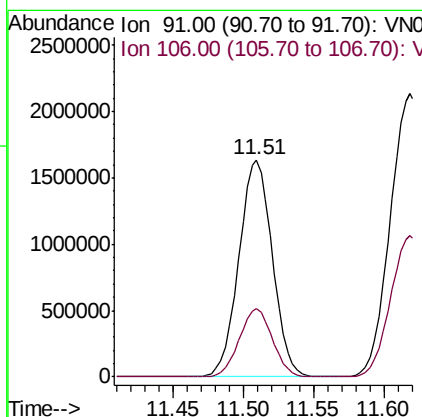
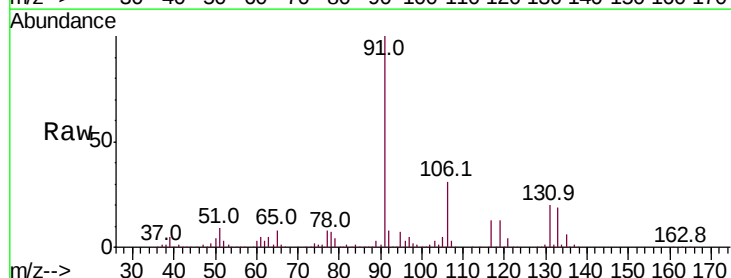
RT: 11.51 min Scan# 3028

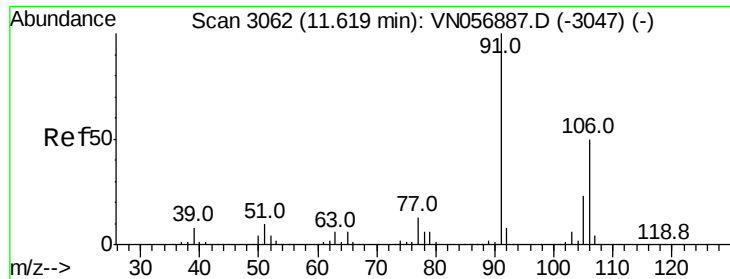
Delta R.T. -0.00 min

Lab File: VN056890.D

Acq: 23 Jul 2019 20:40

Tgt Ion:	91	Resp:	2720692
Ion Ratio	Lower	Upper	
91	100		
106	31.3	24.9	37.3





#67

m/p-Xylenes

Concen: 280.338 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN056890.D

Acq: 23 Jul 2019 20:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:106 Resp: 2035880

Ion Ratio Lower Upper

106 100

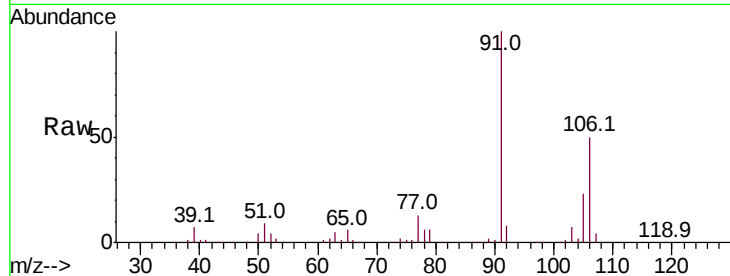
91 201.7 160.6 240.8

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

2500000

2000000

1500000

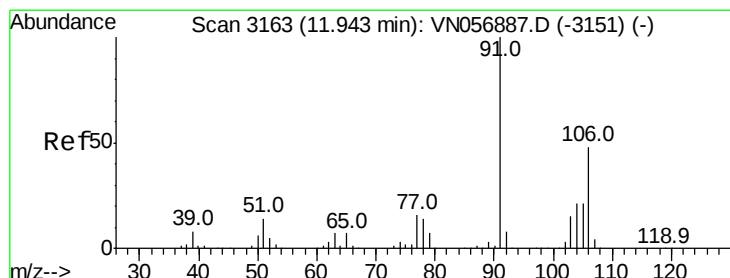
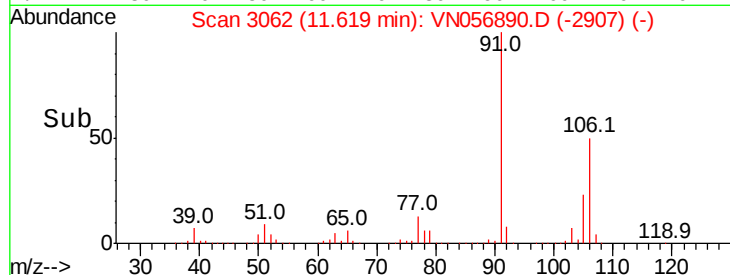
1000000

500000

0

11.50 11.60 11.70

Time-->



#68

o-Xylene

Concen: 138.384 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN056890.D

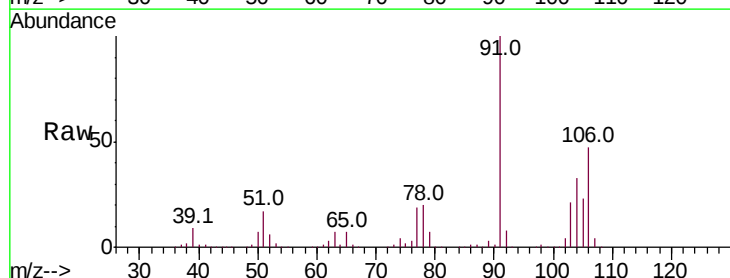
Acq: 23 Jul 2019 20:40

Tgt Ion:106 Resp: 986258

Ion Ratio Lower Upper

106 100

91 213.2 106.2 318.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

1500000

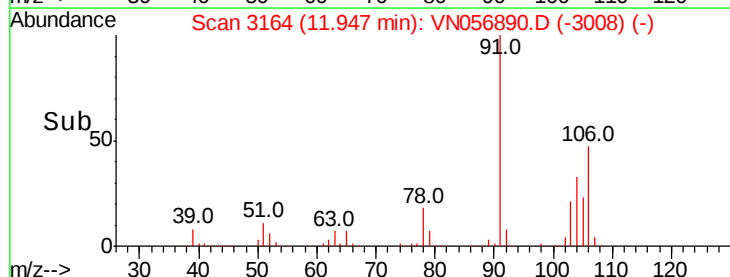
1000000

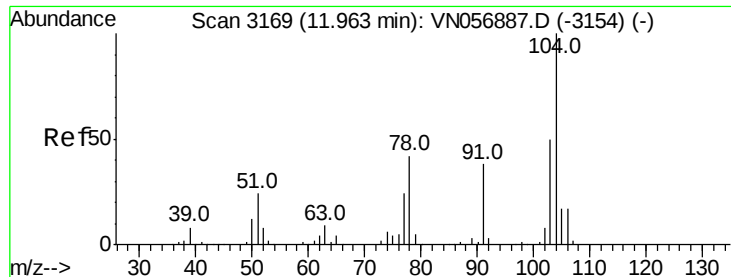
500000

0

11.90 12.00

Time-->





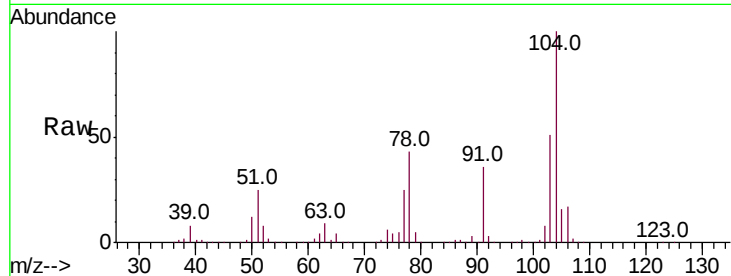
#69
Stvrene
Concen: 144.555 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN056890.D
Acq: 23 Jul 2019 20:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

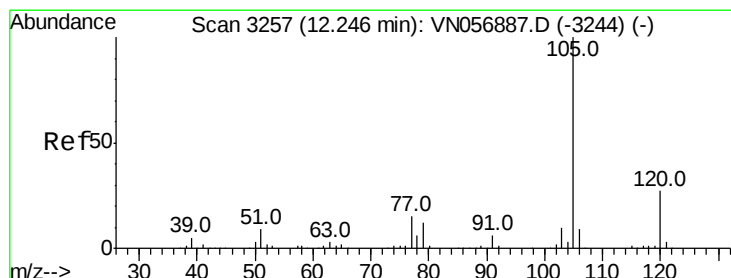
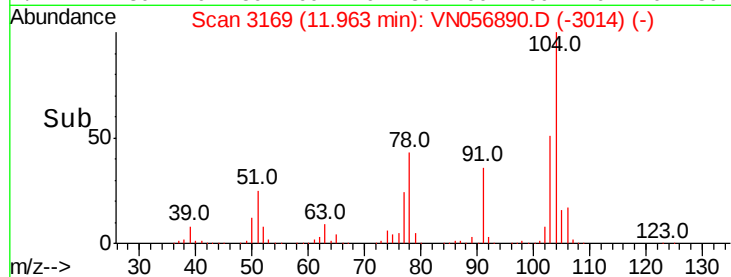
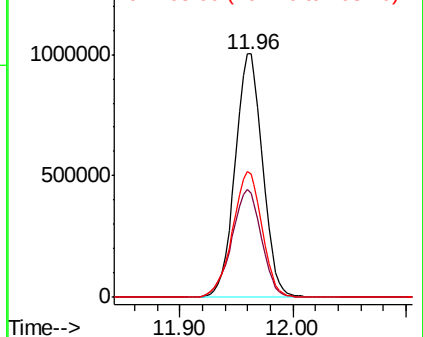
Tot Ion:104 Resp: 1697267
Ion Ratio Lower Upper
104 100
78 48.0 38.5 57.7
103 55.4 44.7 67.1

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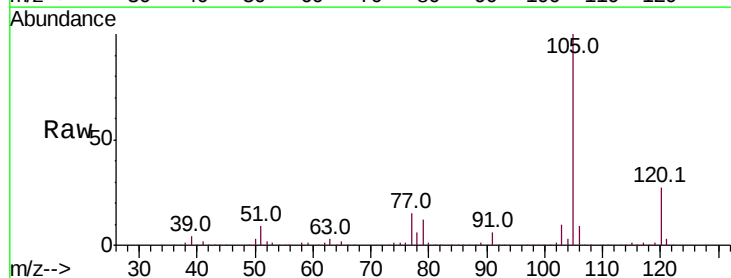


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

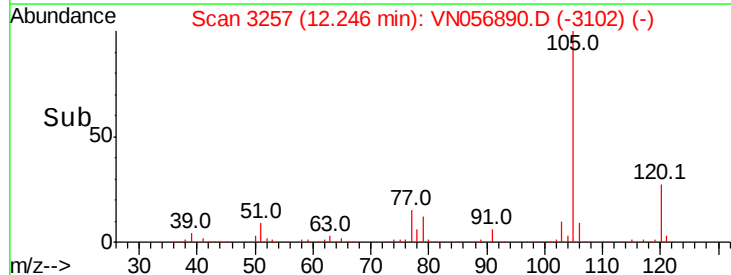
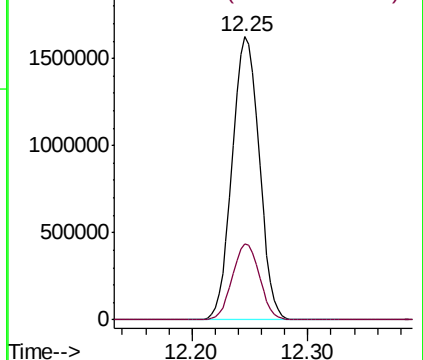


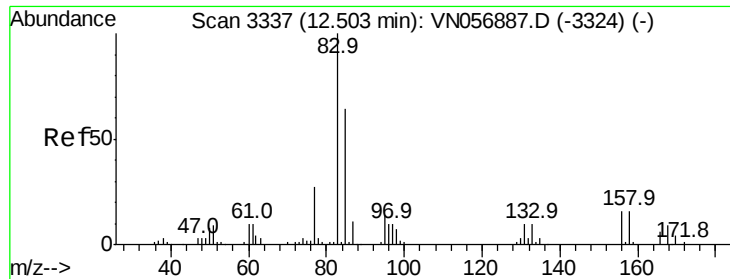
#70
Isopropylbenzene
Concen: 141.128 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. -0.00 min
Lab File: VN056890.D
Acq: 23 Jul 2019 20:40

Tgt Ion:105 Resp: 2630623
Ion Ratio Lower Upper
105 100
120 26.9 18.7 34.7



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





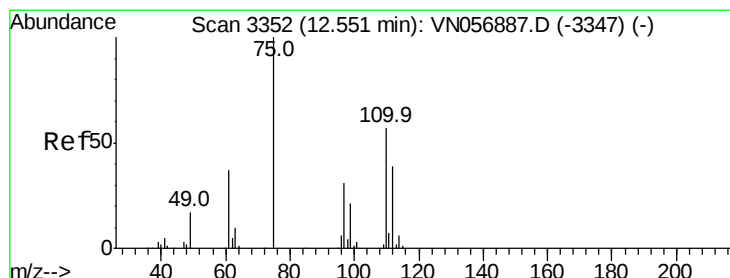
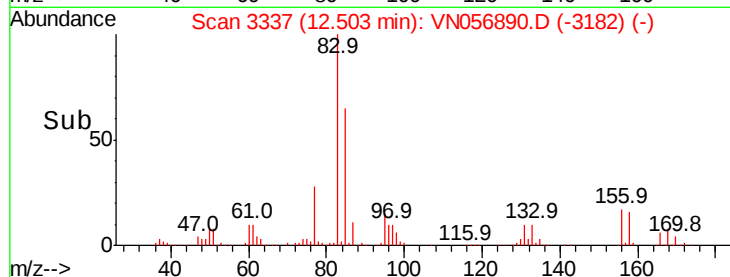
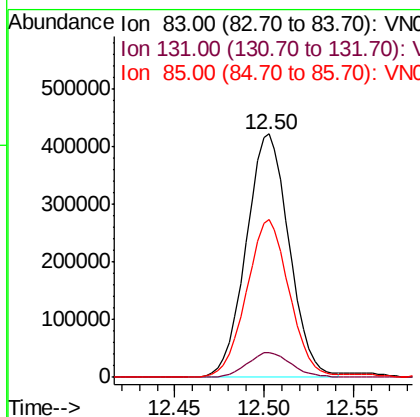
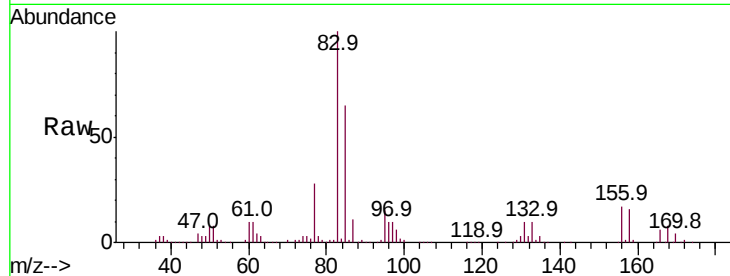
#71
 1,1,2,2-Tetrachloroethane
 Concen: 119.890 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN056890.D
 Acq: 23 Jul 2019 20:40

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
131	10.5	5.1	15.2
85	64.4	31.8	95.4

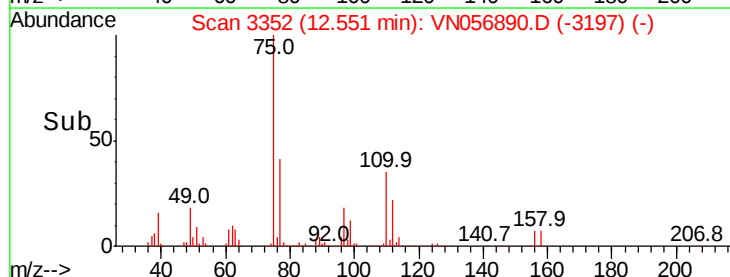
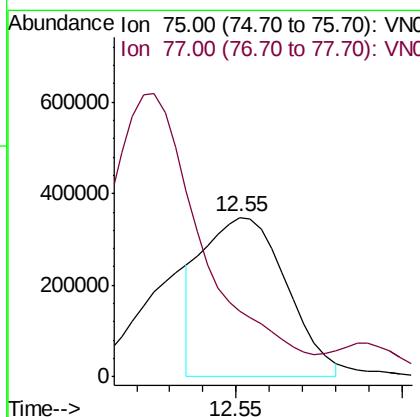
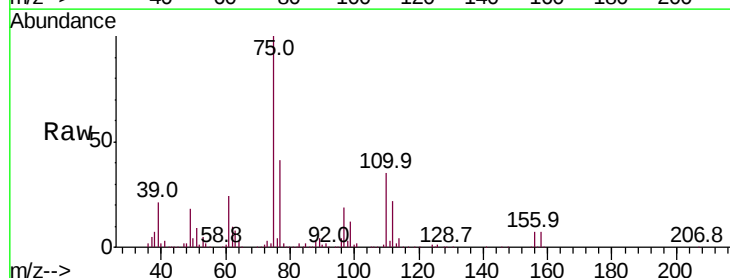
Manual Integrations
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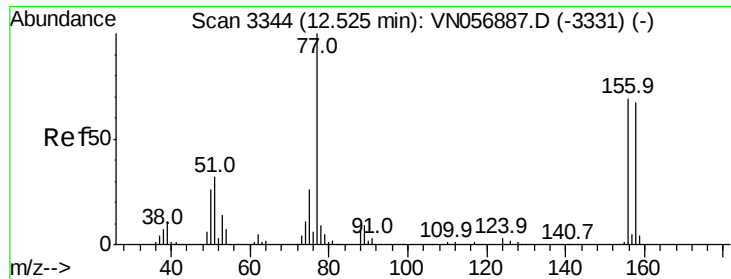
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#72
 1,2,3-Trichloropropane
 Concen: 120.455 ug/l m
 RT: 12.55 min Scan# 3352
 Delta R.T. -0.00 min
 Lab File: VN056890.D
 Acq: 23 Jul 2019 20:40

Tgt Ion	Ratio	Lower	Upper
75	100		
77	207.8	0.0	378.6





#73

Bromobenzene

Concen: 142.994 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN056890.D

Acq: 23 Jul 2019 20:40

Instrument :

MSVOA_N

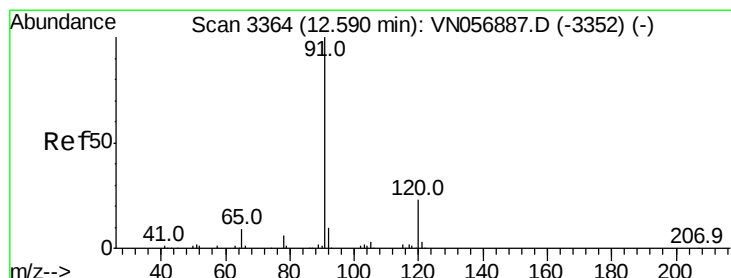
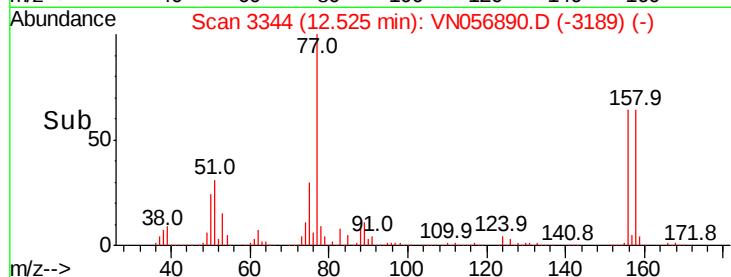
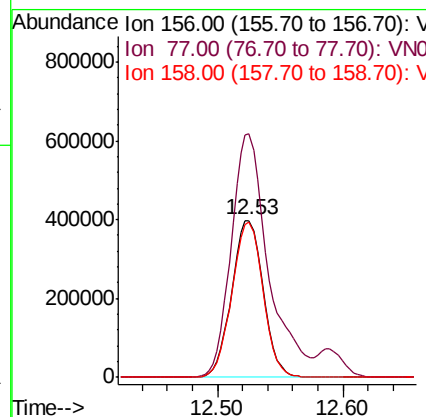
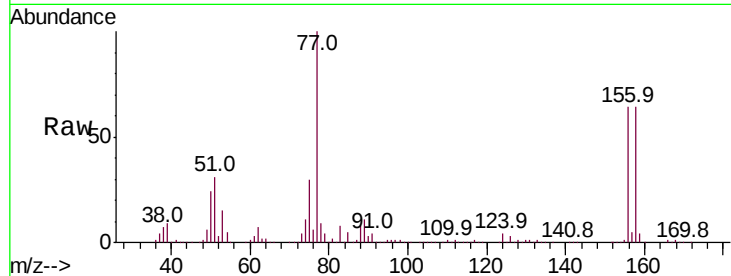
ClientSampleId :

VSTDIC150

Tot Ion:	156	Resp:	694604
Ion Ratio	Lower	Upper	
156	100		
77	182.2	0.0	364.6
158	97.5	0.0	196.2

Manual Integrations
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#74

n-propylbenzene

Concen: 145.229 ug/l

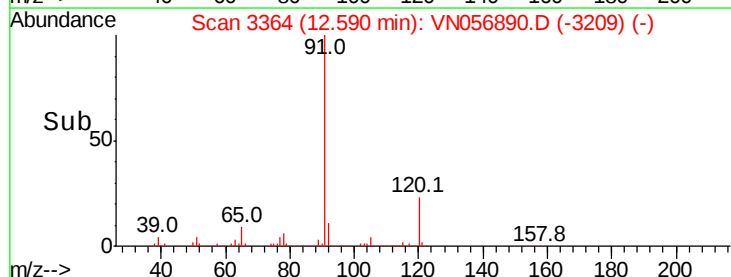
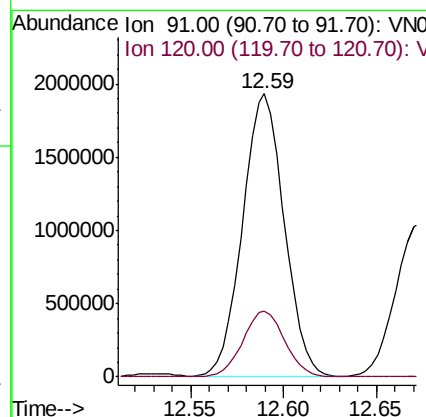
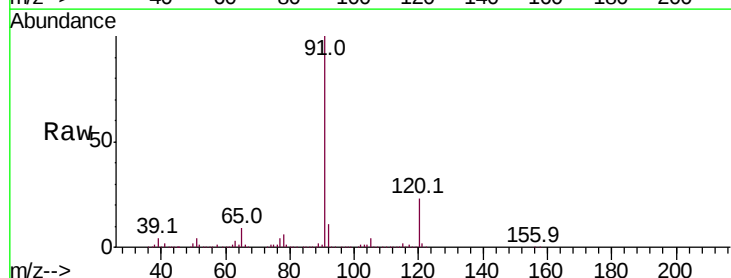
RT: 12.59 min Scan# 3364

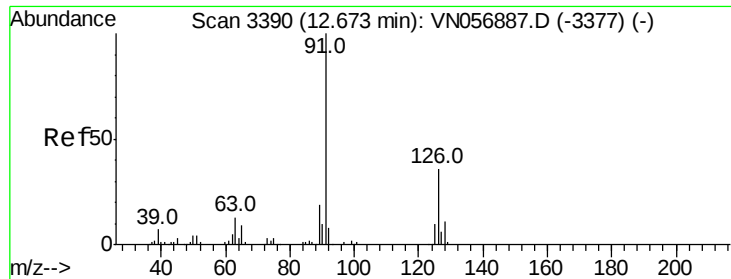
Delta R.T. -0.00 min

Lab File: VN056890.D

Acq: 23 Jul 2019 20:40

Tgt Ion:	91	Resp:	3015312
Ion Ratio	Lower	Upper	
91	100		
120	23.4	0.0	46.4





#75

2-Chlorotoluene

Concen: 139.626 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN056890.D

Acq: 23 Jul 2019 20:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1758560

Ion Ratio Lower Upper

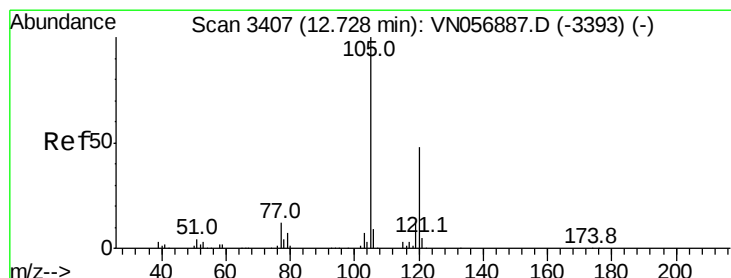
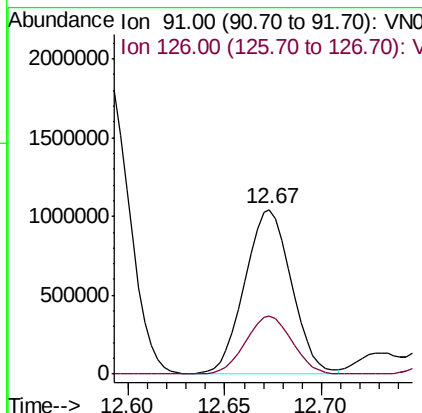
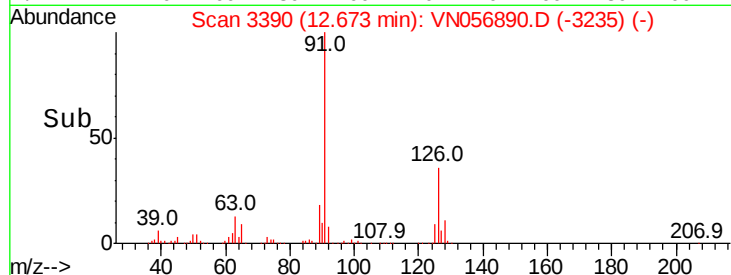
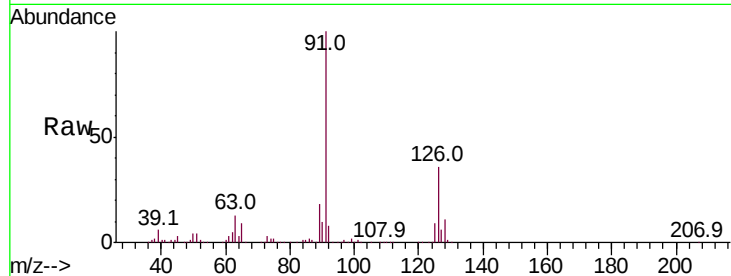
91 100

126 35.3 0.0 70.8

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#76

1,3,5-Trimethylbenzene

Concen: 139.875 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056890.D

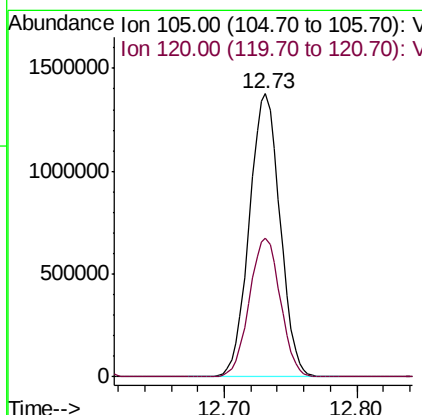
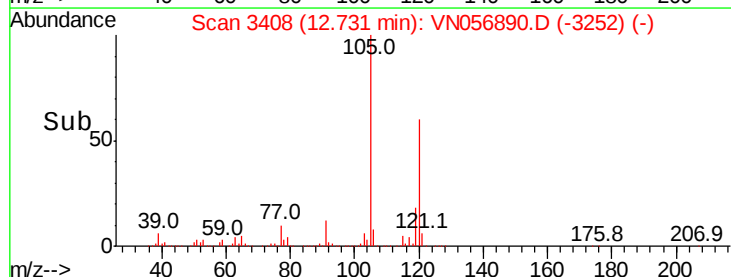
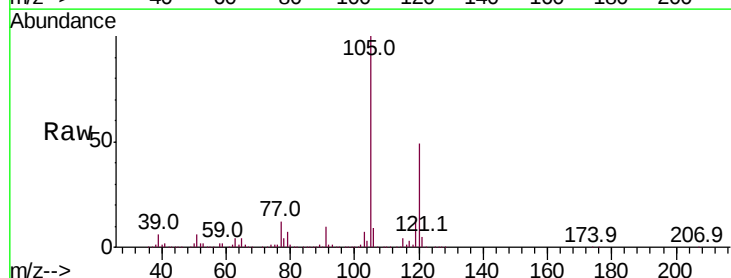
Acq: 23 Jul 2019 20:40

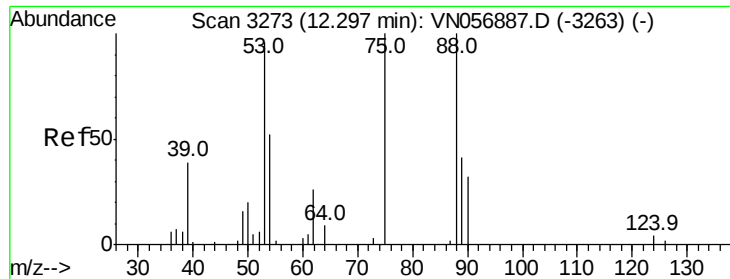
Tgt Ion: 105 Resp: 2209065

Ion Ratio Lower Upper

105 100

120 49.6 0.0 97.2





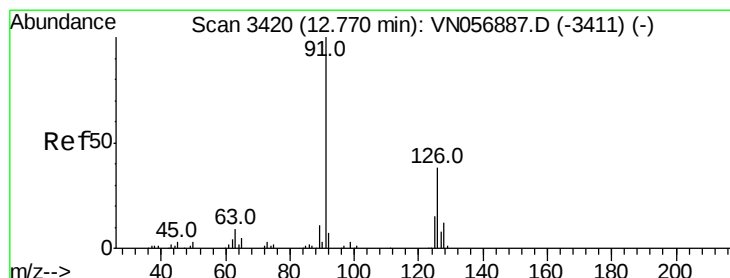
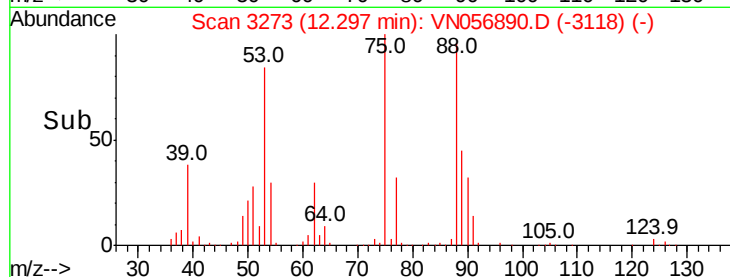
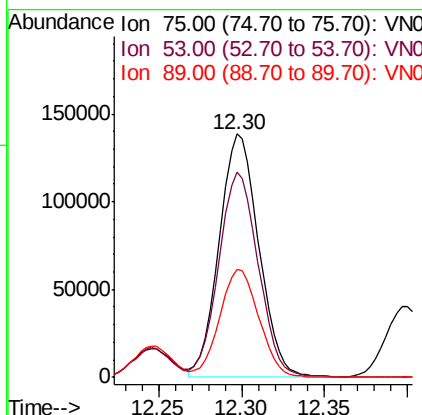
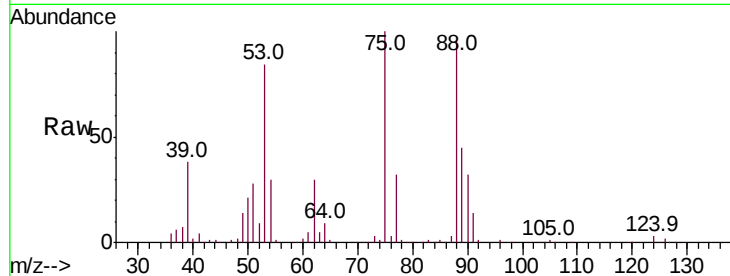
#77
t-1,4-Dichloro-2-butene
Concen: 137.059 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. -0.00 min
Lab File: VN056890.D
Acq: 23 Jul 2019 20:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
53	84.3	48.0	144.0
89	44.7	21.4	64.3

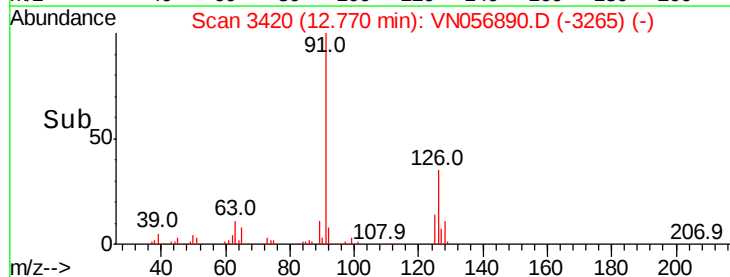
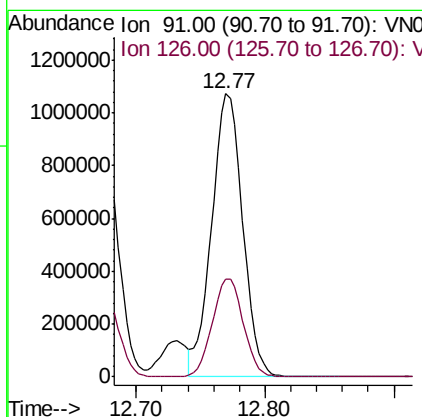
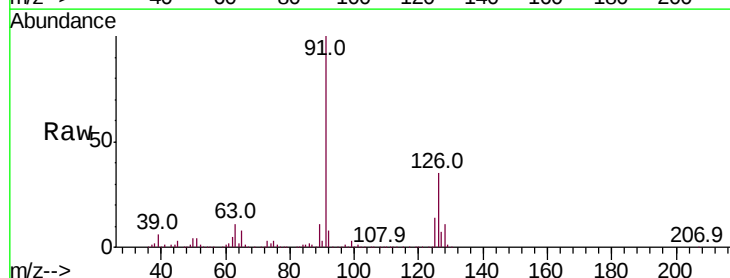
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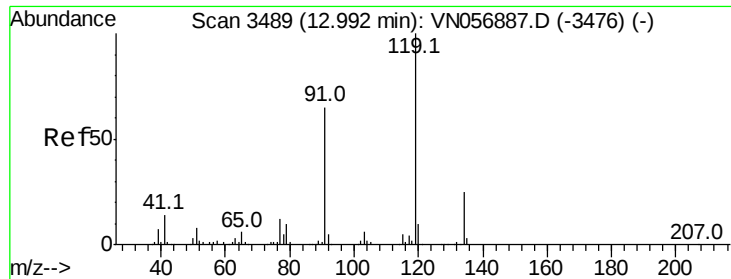
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#78
4-Chlorotoluene
Concen: 147.059 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. -0.00 min
Lab File: VN056890.D
Acq: 23 Jul 2019 20:40

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.7	0.0	69.6





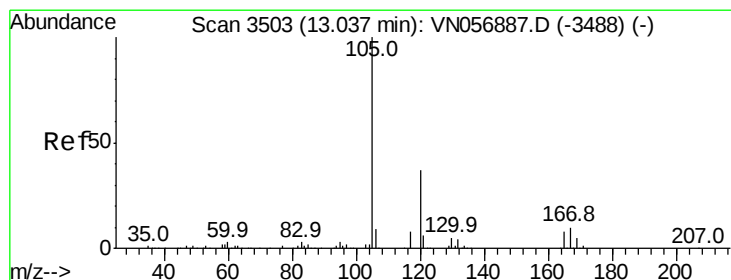
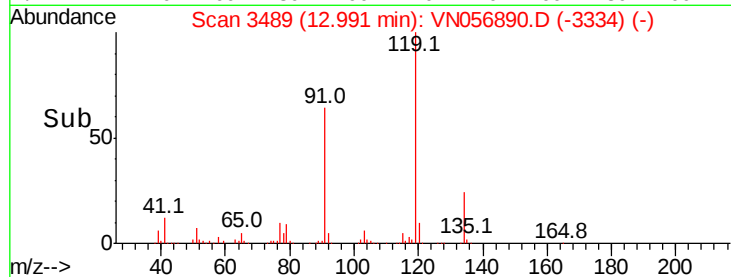
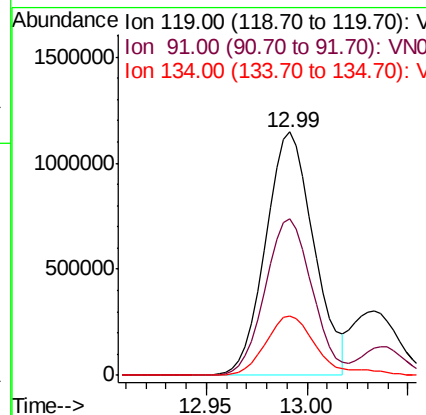
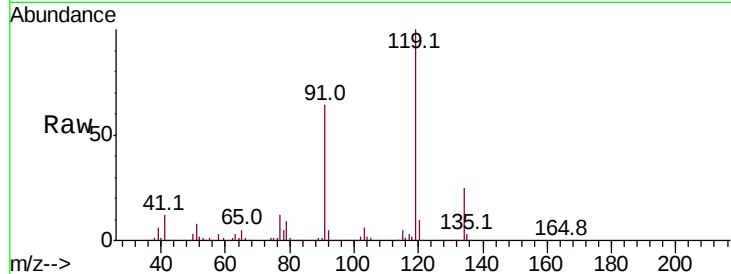
#79
tert-butylbenzene
Concen: 141.474 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN056890.D
Acq: 23 Jul 2019 20:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.0	0.0	126.8
134	26.1	0.0	48.8

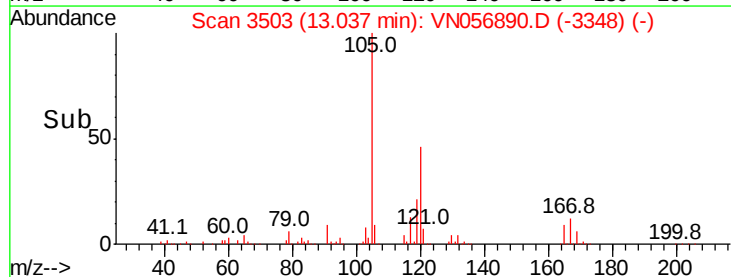
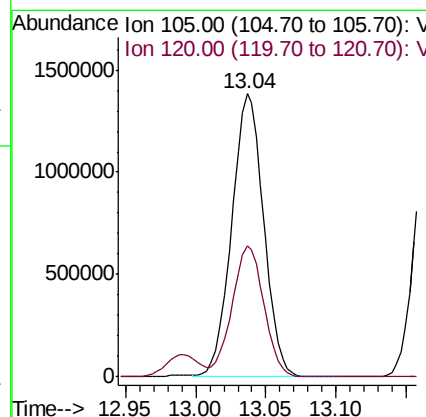
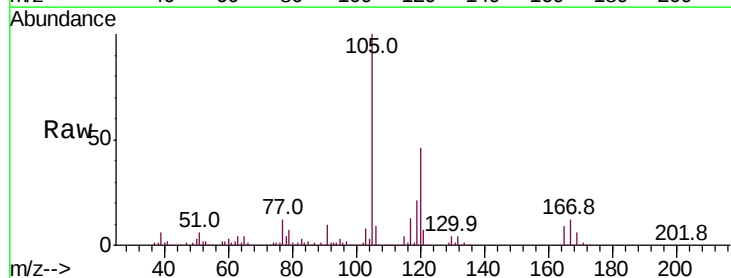
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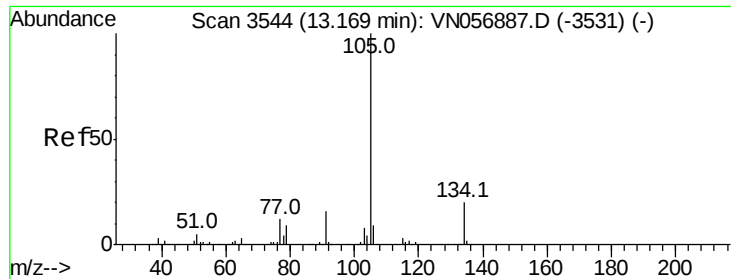
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#80
1,2,4-Trimethylbenzene
Concen: 139.377 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN056890.D
Acq: 23 Jul 2019 20:40

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.4	0.0	90.6





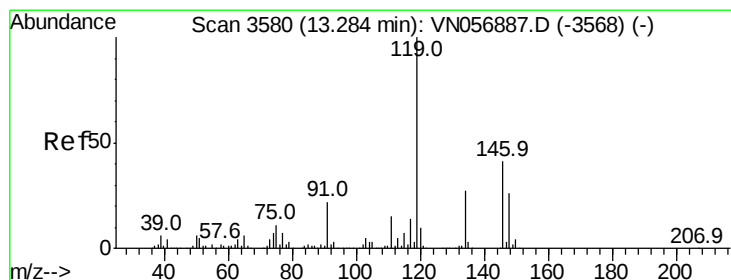
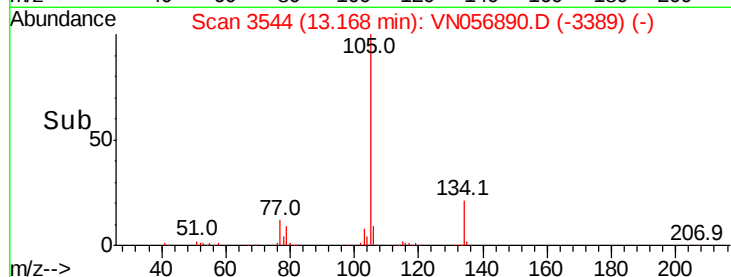
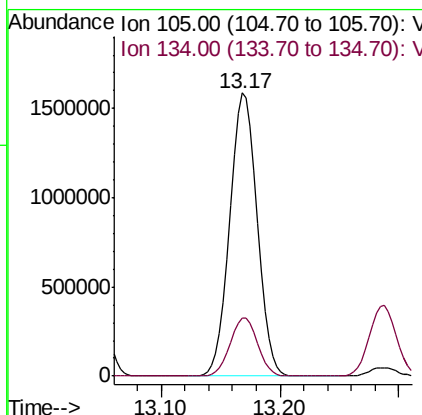
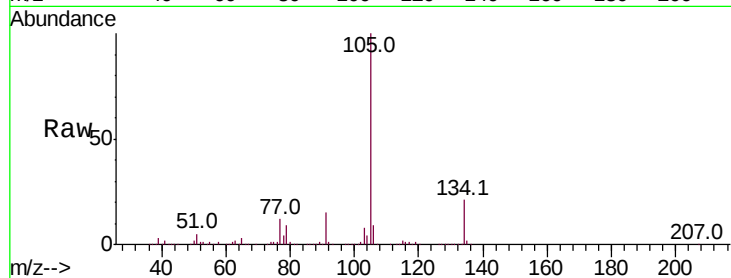
#81
 sec-Butylbenzene
 Concen: 142.452 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. -0.00 min
 Lab File: VN056890.D
 Acq: 23 Jul 2019 20:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:105 Resp: 2533169
 Ion Ratio Lower Upper
 105 100
 134 20.7 0.0 41.2

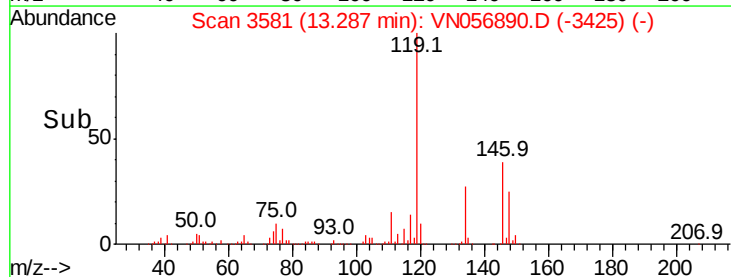
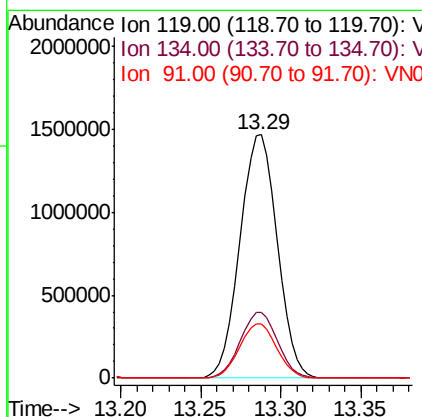
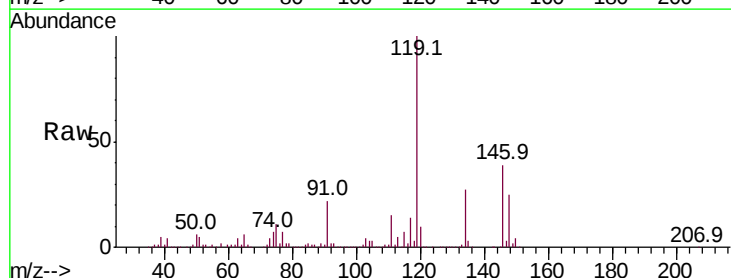
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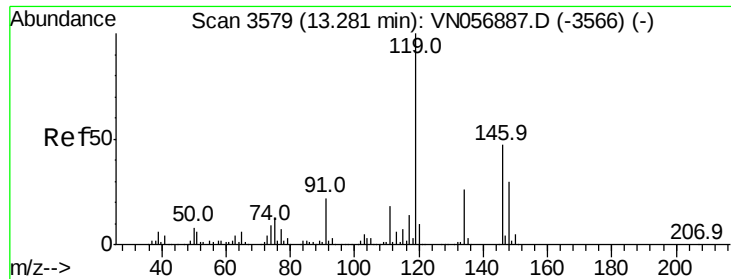
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#82
 p-Isopropyltoluene
 Concen: 144.651 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN056890.D
 Acq: 23 Jul 2019 20:40

Tgt Ion:119 Resp: 2331761
 Ion Ratio Lower Upper
 119 100
 134 26.8 0.0 53.2
 91 22.4 0.0 44.0





#83
 1,3-Dichlorobenzene
 Concen: 145.903 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN056890.D
 Acq: 23 Jul 2019 20:40

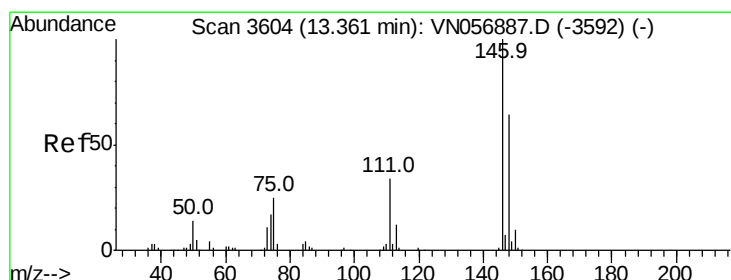
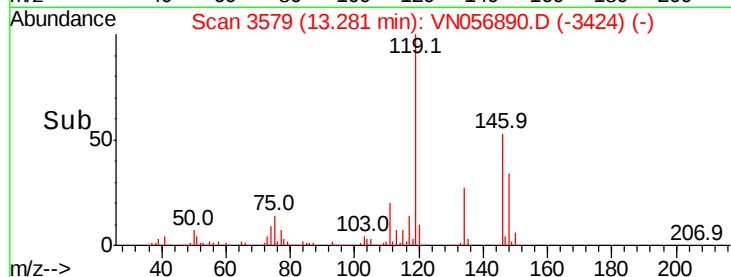
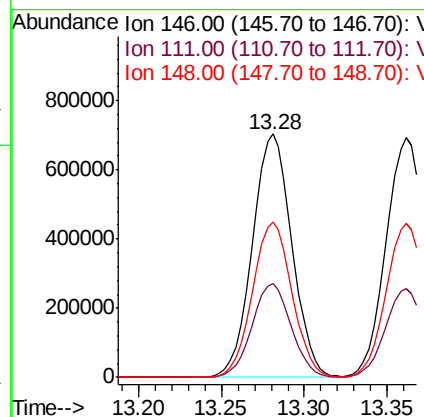
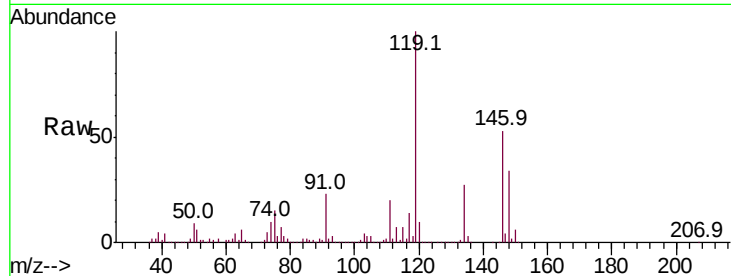
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:146 Resp: 1166789

Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.8	56.4
148	63.9	31.7	95.1

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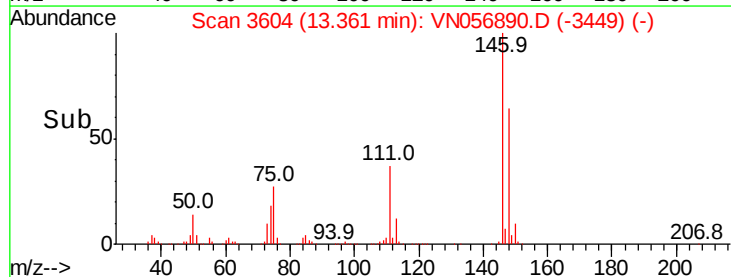
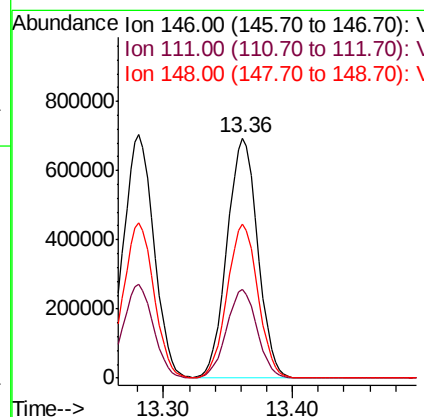
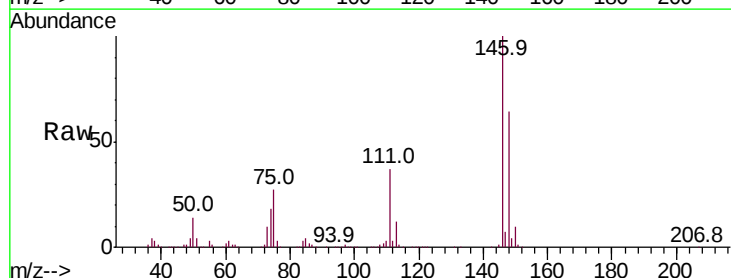
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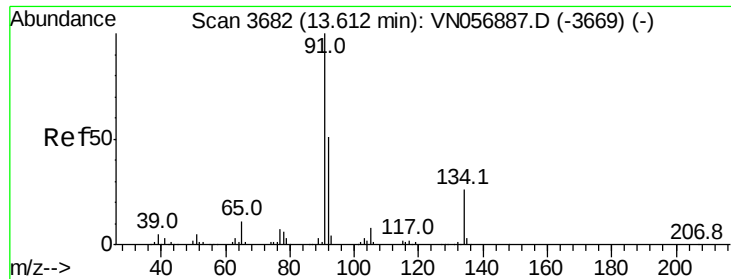


#84
 1,4-Dichlorobenzene
 Concen: 149.934 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN056890.D
 Acq: 23 Jul 2019 20:40

Tgt Ion:146 Resp: 1143879

Ion	Ratio	Lower	Upper
146	100		
111	36.7	17.8	53.5
148	64.2	32.6	97.7





#85

n-Butylbenzene

Concen: 150.444 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN056890.D

Acq: 23 Jul 2019 20:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1981230

Ion Ratio Lower Upper

91 100

92 52.2 0.0 101.8

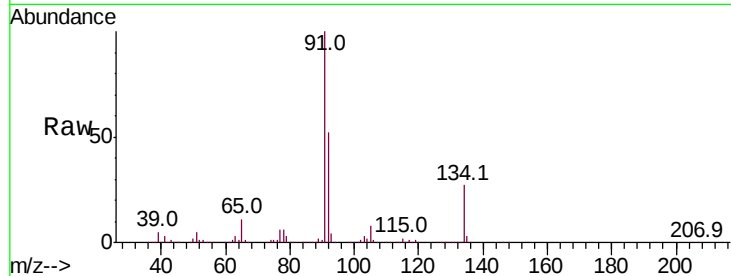
134 27.1 0.0 52.4

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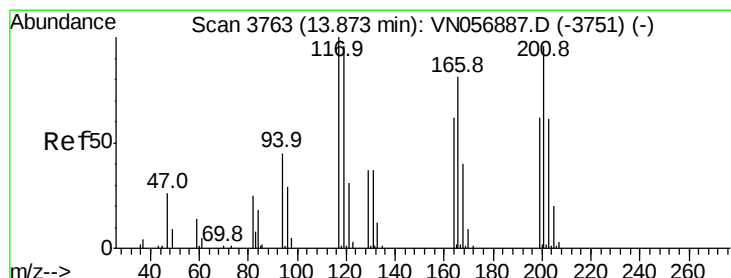
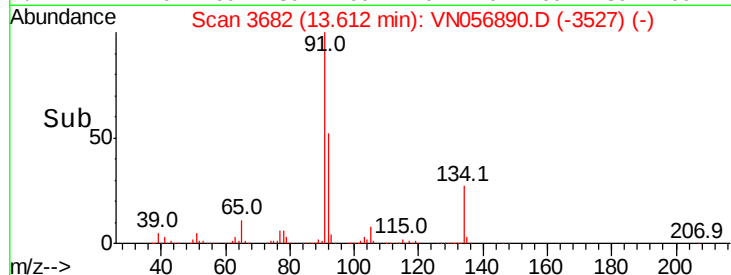


Abundance Ion 91.00 (90.70 to 91.70): VN056887.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN056887.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN056887.D (-3669) (-)

Time-->



#86

Hexachloroethane

Concen: 157.081 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN056890.D

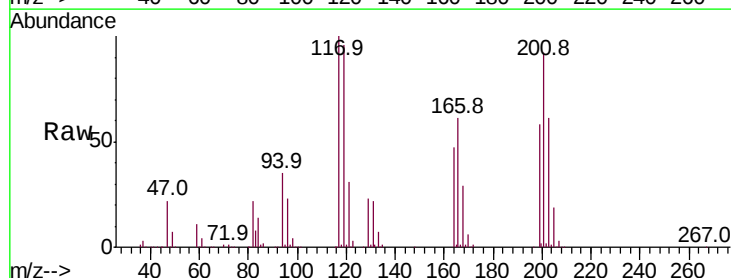
Acq: 23 Jul 2019 20:40

Tgt Ion: 117 Resp: 404387

Ion Ratio Lower Upper

117 100

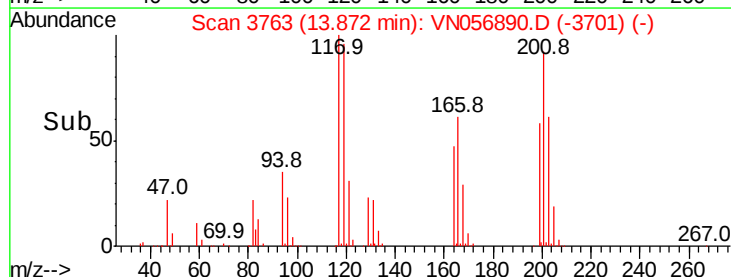
201 92.9 47.8 143.3

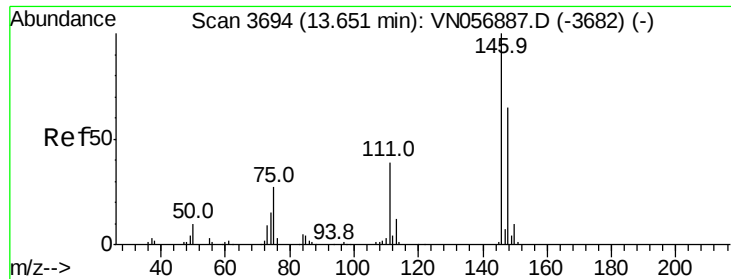


Abundance Ion 117.00 (116.70 to 117.70): VN056887.D (-3751) (-)

Ion 201.00 (200.70 to 201.70): VN056887.D (-3751) (-)

Time-->





#87

1,2-Dichlorobenzene

Concen: 140.967 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN056890.D

Acq: 23 Jul 2019 20:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:146 Resp: 1136711

Ion Ratio Lower Upper

146 100

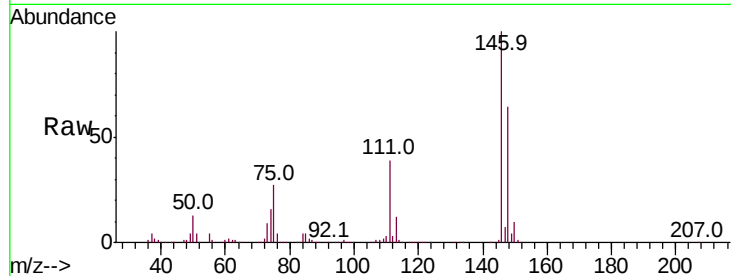
111 39.5 19.6 58.8

148 63.7 32.5 97.5

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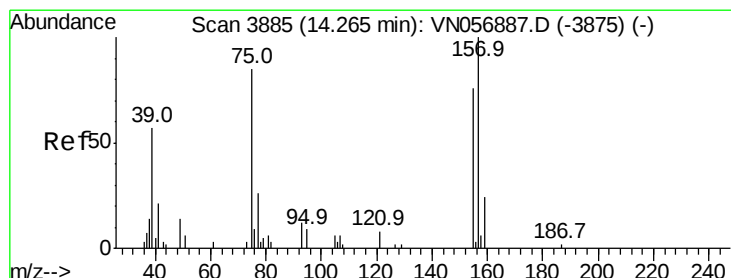
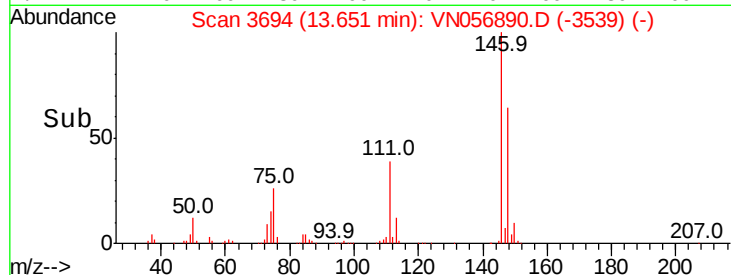
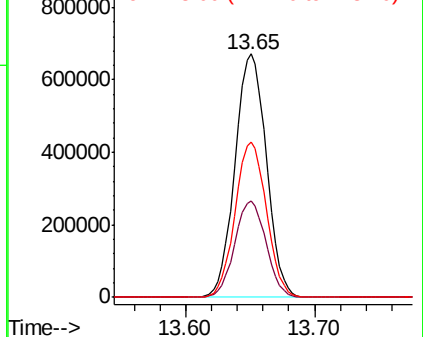
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Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 122.189 ug/l

RT: 14.26 min Scan# 3885

Delta R.T. -0.00 min

Lab File: VN056890.D

Acq: 23 Jul 2019 20:40

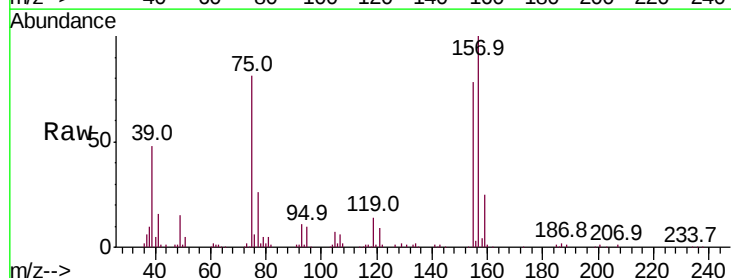
Tgt Ion: 75 Resp: 123830

Ion Ratio Lower Upper

75 100

155 98.8 73.4 110.2

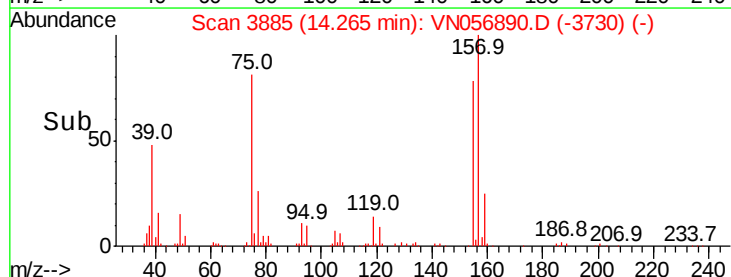
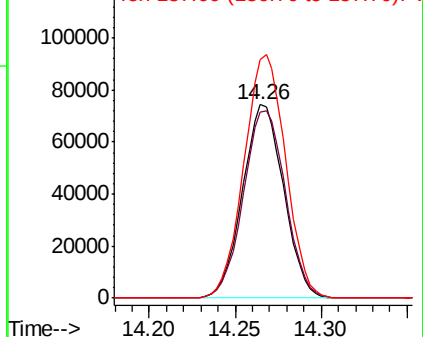
157 127.1 95.0 142.6

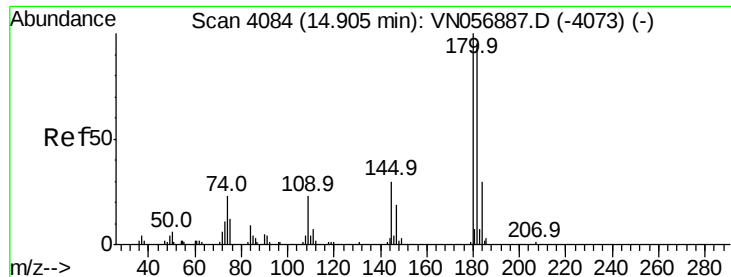


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





#89

1,2,4-Trichlorobenzene

Concen: 164.817 ug/l

RT: 14.90 min Scan# 4084

Delta R.T. -0.00 min

Lab File: VN056890.D

Acq: 23 Jul 2019 20:40

Instrument :

MSVOA_N

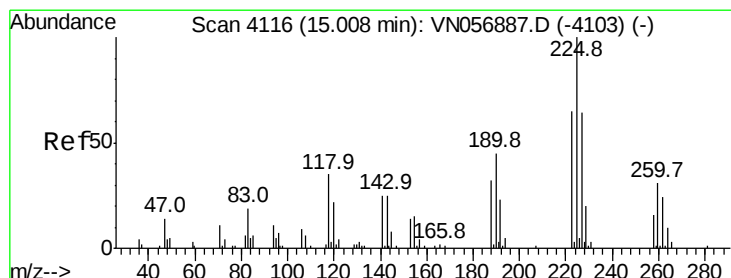
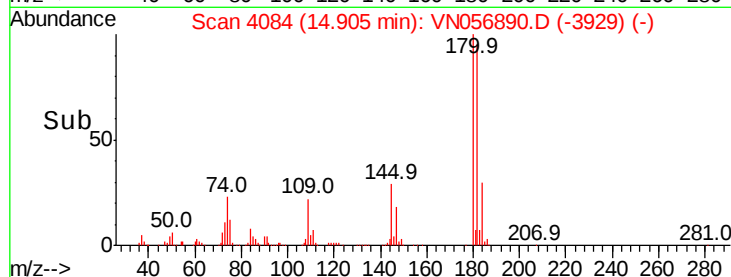
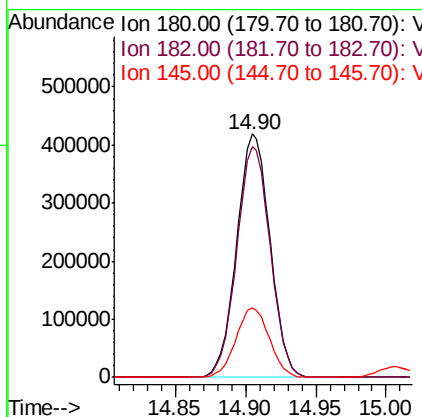
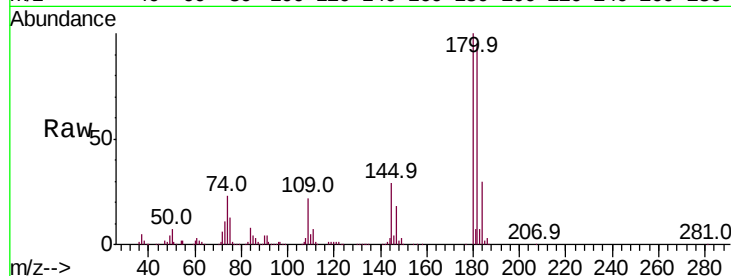
ClientSampled :

VSTDIC150

Tot Ion:	180	Resp:	694619
Ion Ratio	Lower	Upper	
180	100		
182	95.2	77.0	115.4
145	28.6	23.5	35.3

Manual Integrations
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#90

Hexachlorobutadiene

Concen: 138.581 ug/l

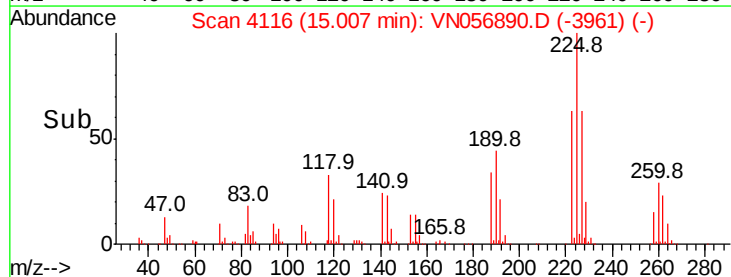
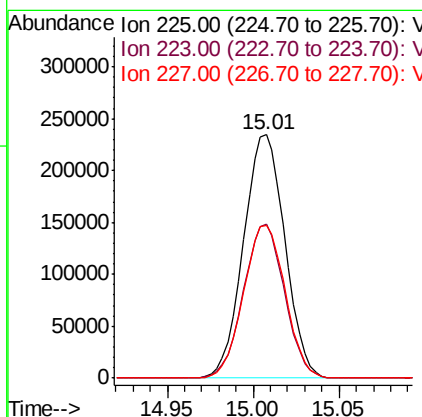
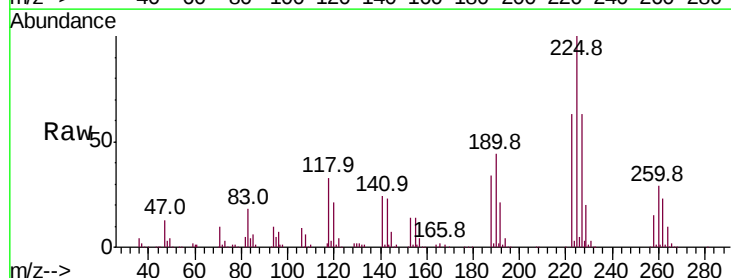
RT: 15.01 min Scan# 4116

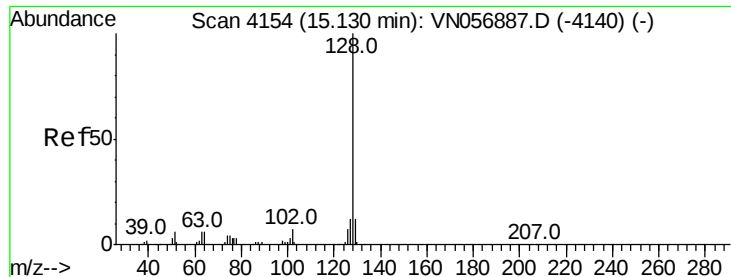
Delta R.T. -0.00 min

Lab File: VN056890.D

Acq: 23 Jul 2019 20:40

Tgt Ion:	225	Resp:	391573
Ion Ratio	Lower	Upper	
225	100		
223	62.7	0.0	130.0
227	63.2	0.0	127.2





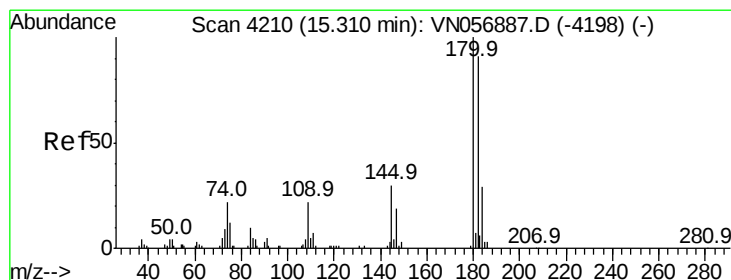
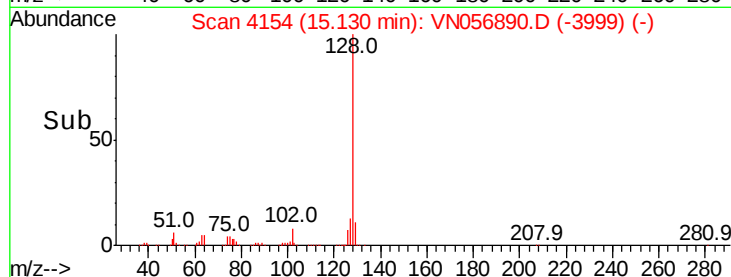
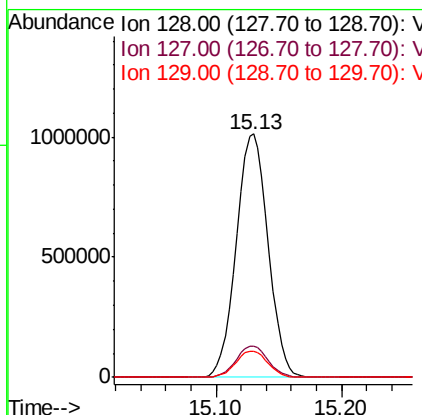
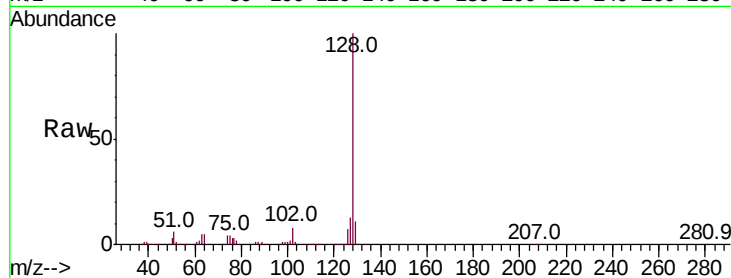
#91
Naphthalene
Concen: 156.318 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN056890.D
Acq: 23 Jul 2019 20:40

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.0	15.0
129	10.9	8.9	13.3

Manual Integrations
APPROVED

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#92
1,2,3-Trichlorobenzene
Concen: 158.419 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.00 min
Lab File: VN056890.D
Acq: 23 Jul 2019 20:40

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	0.0	188.0
145	30.0	0.0	61.0

