

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072419\
 Data File : VN056888.D
 Acq On : 23 Jul 2019 19:52
 Operator : JC/SP
 Sample : VSTDIC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Manual Integrations
 APPROVED

MMDadoda
 7/25/2019 2:19:59 PM

Quant Time: Jul 24 03:31:36 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	60306	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	324153	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	288294	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	118297	29.16	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.20%
60) 4-Bromofluorobenzene	12.40	95	133158	30.41	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.37%
63) Toluene-d8	10.09	98	406963	30.68	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.27%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	191558	55.902	ug/l 99
3) Chloromethane	2.06	50	226041	50.061	ug/l 98
4) Vinyl Chloride	2.18	62	217509	49.147	ug/l 99
5) Bromomethane	2.55	94	128459	46.161	ug/l 98
6) Chloroethane	2.70	64	118260	46.922	ug/l 99
7) Trichlorofluoromethane	3.01	101	264640	47.268	ug/l 99
8) Diethyl Ether	3.41	74	96686	42.495	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	163870	46.871	ug/l 99
10) 1,1-Dichloroethene	3.72	96	164053	47.206	ug/l 98
11) Methyl Iodide	3.94	142	253981	53.964	ug/l 98
12) Methyl Acetate	4.33	43	177717	38.507	ug/l 100
13) Acrolein	3.60	56	111161	304.675	ug/l 98
14) Acrylonitrile	4.99	53	393250	197.933	ug/l 99
15) Acetone	3.82	58	101652	160.751	ug/l 96
16) Carbon Disulfide	4.04	76	445981	48.458	ug/l 99
17) Allyl chloride	4.32	41	273545	45.343	ug/l 98
18) Methylene Chloride	4.54	84	191182	46.878	ug/l 96
19) trans-1,2-Dichloroethene	5.03	96	175226	47.364	ug/l 97
20) Diisopropyl ether	5.95	45	565752	46.780	ug/l 97
21) 1,1-Dichloroethane	5.85	63	323751	46.739	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	201770	46.447	ug/l 99
23) tert-Butyl Alcohol	4.81	59	133519	190.893	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	496114	45.196	ug/l # 78
25) Chloroform	7.37	83	313747	46.669	ug/l 99
26) Cyclohexane	7.65	56	304349	47.778	ug/l # 100
29) 1,1-Dichloropropene	7.79	75	243390	48.840	ug/l 97
30) 2-Butanone	6.84	43	480998	177.769	ug/l 99
31) 2,2-Dichloropropane	6.82	77	220178	45.775	ug/l 99
32) 1,1,1-Trichloroethane	7.57	97	262102	48.876	ug/l 99
33) Carbon Tetrachloride	7.77	117	228401	49.525	ug/l 98
34) Benzene	8.04	78	745547	48.291	ug/l # 93
35) Methacrylonitrile	7.17	41	76117	33.607	ug/l 94
36) 1,2-Dichloroethane	8.12	62	231429	46.962	ug/l 100
37) Trichloroethene	8.83	130	200566	48.064	ug/l 100
38) Methylcyclohexane	9.08	83	307397	48.959	ug/l 98
39) 1,2-Dichloropropane	9.12	63	201165	48.657	ug/l 100
40) Dibromomethane	9.21	93	121376	46.304	ug/l 99

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	238694	49.120	ug/l	98
42) Vinyl Acetate	5.90	43	2187708	230.244	ug/l	100
43) Ethyl Acetate	6.93	43	201886	40.244	ug/l	98
44) Isopropyl Acetate	8.17	43	324222	40.563	ug/l #	88
45) 1,4-Dioxane	9.20	88	64596	818.310	ug/l	95
46) Methyl methacrylate	9.20	41	164891	43.051	ug/l	98
47) n-amyl Acetate	12.07	43	271230	41.839	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	246304	46.466	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	287738	47.830	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	175275	45.689	ug/l	99
51) Ethyl methacrylate	10.43	69	258944	44.541	ug/l	96
52) 1,3-Dichloropropane	10.71	76	296359	46.536	ug/l	99
53) Dibromochloromethane	10.90	129	184835	47.619	ug/l	100
54) 1,2-Dibromoethane	11.00	107	180257	45.580	ug/l	100
55) 2-Chloroethyl vinyl ether	9.69	63	567216	205.049	ug/l	99
56) Bromoform	12.13	173	130942	46.059	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	996450	194.525	ug/l	99
59) 2-Hexanone	10.75	43	694653	183.659	ug/l	100
61) Tetrachloroethene	10.63	164	205963	50.068	ug/l	99
62) Toluene	10.15	91	799434	48.199	ug/l	99
64) Chlorobenzene	11.43	112	482588	47.758	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	181326	48.519	ug/l	98
66) Ethyl Benzene	11.51	91	859690	48.244	ug/l	100
67) m/p-Xylenes	11.62	106	643310	95.932	ug/l	100
68) o-Xylene	11.95	106	312626	47.505	ug/l	100
69) Styrene	11.96	104	520558	48.014	ug/l	100
70) Isopropylbenzene	12.25	105	825994	47.989	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	227820	41.518	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	196370m	42.064	ug/l	
73) Bromobenzene	12.52	156	212039	47.273	ug/l	99
74) n-propylbenzene	12.59	91	917955	47.881	ug/l	99
75) 2-Chlorotoluene	12.67	91	550873	47.367	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	699170	47.943	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	65129	41.972	ug/l	96
78) 4-Chlorotoluene	12.77	91	537836	47.952	ug/l	100
79) tert-butylbenzene	12.99	119	598889	48.053	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	685429	47.312	ug/l	99
81) sec-Butylbenzene	13.17	105	788789	48.037	ug/l	99
82) p-Isopropyltoluene	13.29	119	712680	47.879	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	342667	46.405	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	332373	47.180	ug/l	99
85) n-Butylbenzene	13.61	91	574459	47.240	ug/l	98
86) Hexachloroethane	13.87	117	117977	49.630	ug/l	99
87) 1,2-Dichlorobenzene	13.65	146	341406	45.852	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	35854	38.314	ug/l	95
89) 1,2,4-Trichlorobenzene	14.90	180	167530	43.049	ug/l	99
90) Hexachlorobutadiene	15.01	225	122969	47.131	ug/l	98
91) Naphthalene	15.13	128	441211	41.866	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	182740	44.252	ug/l	99

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ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations
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QLast Update : Wed Jul 24 02:31:22 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

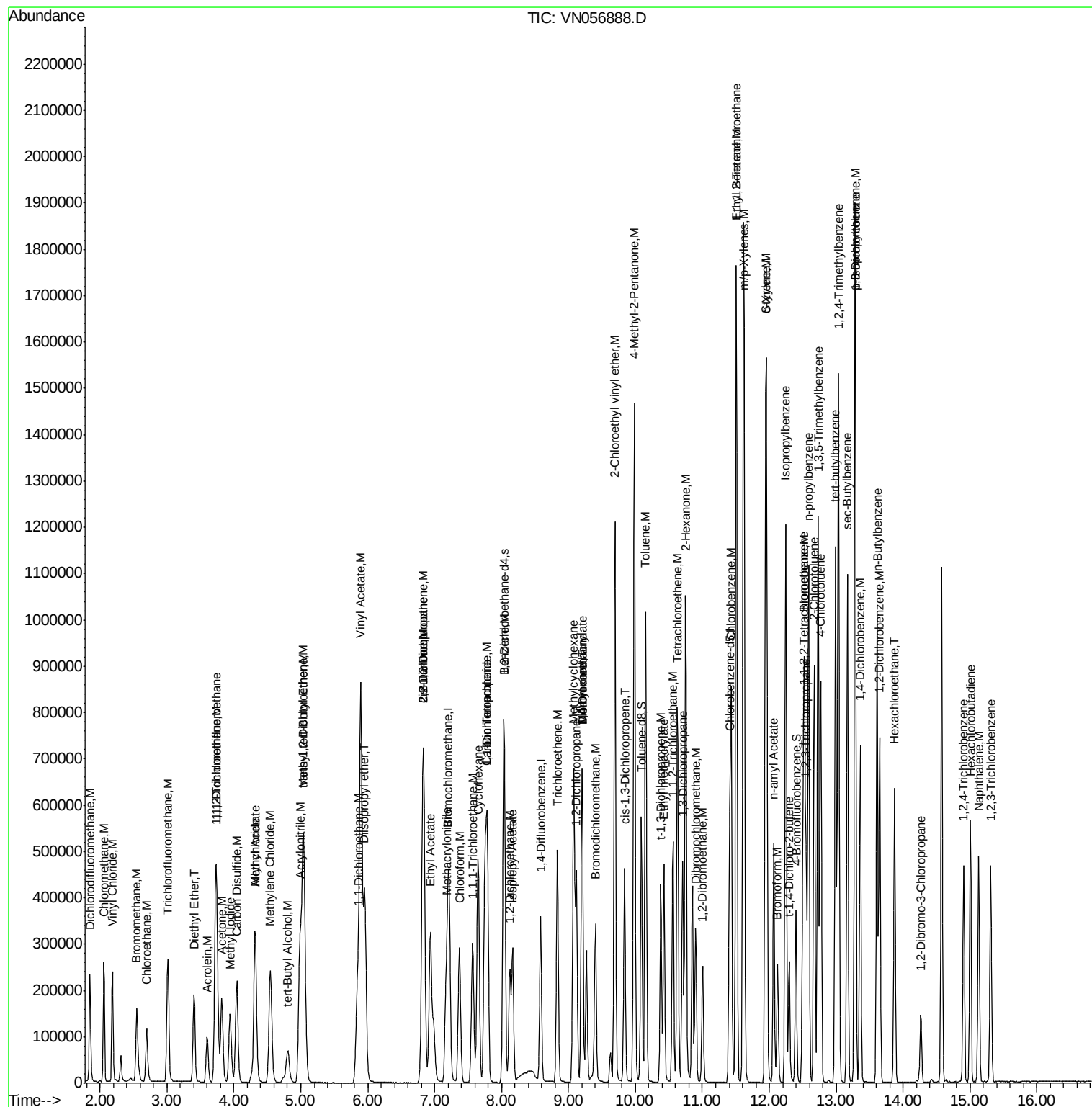
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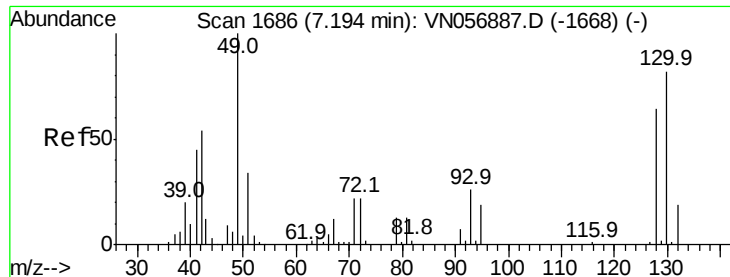
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

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: VN056888.D

Acq: 23 Jul 2019 19:52

Instrument :

MSVOA_N

ClientSampled :

VSTDIC050

Tot Ion:128 Resp: 60306

Ion Ratio Lower Upper

128 100

49 156.1 0.0 385.8

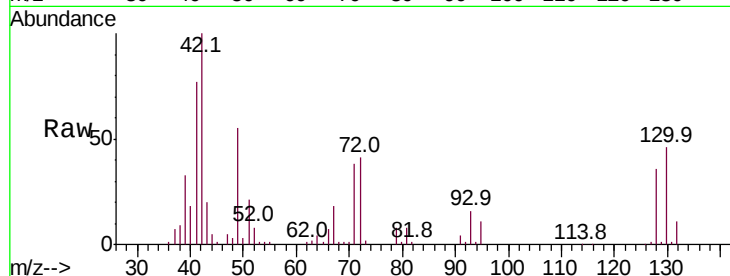
130 129.2 0.0 322.5

Manual Integrations

APPROVED

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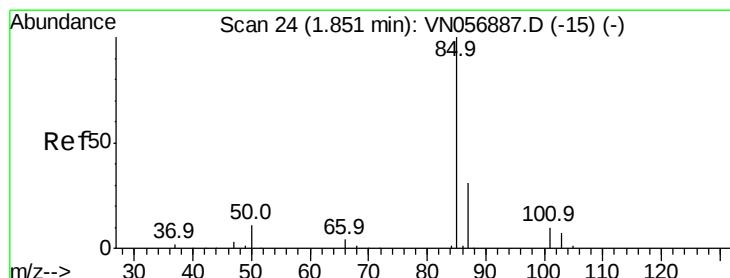
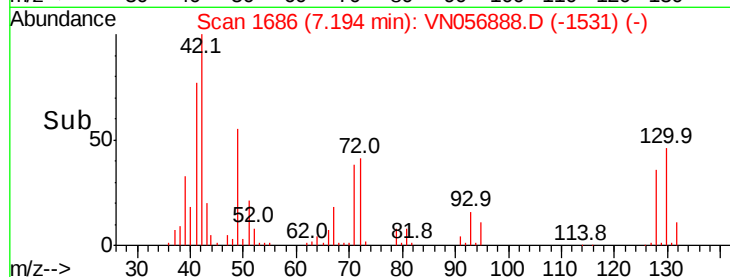
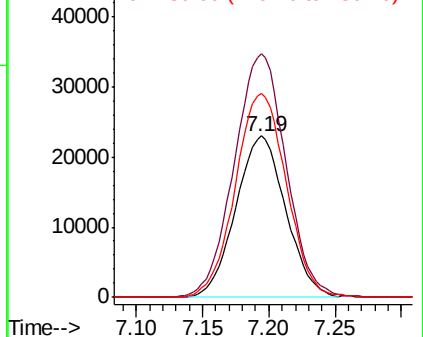
7/25/2019 2:19:59 PM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 55.902 ug/l

RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

Lab File: VN056888.D

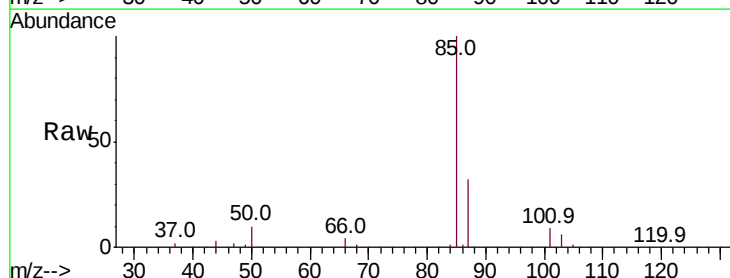
Acq: 23 Jul 2019 19:52

Tgt Ion: 85 Resp: 191558

Ion Ratio Lower Upper

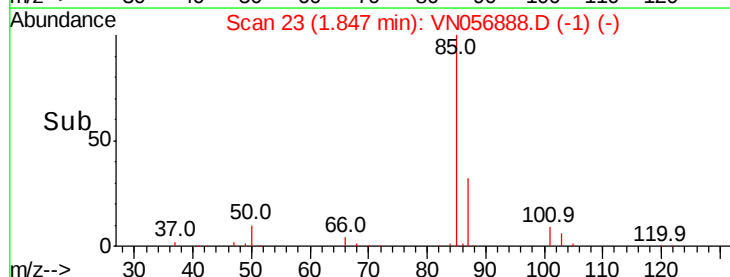
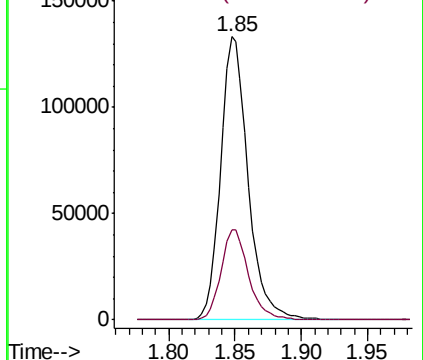
85 100

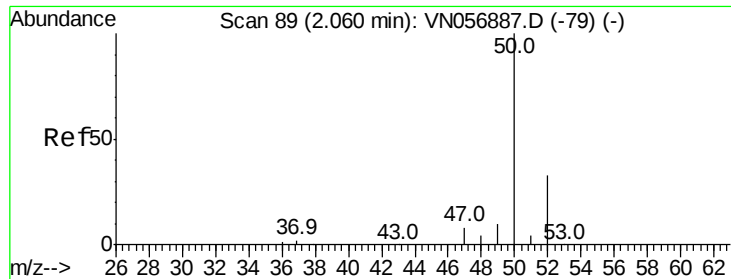
87 31.9 15.6 46.8



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





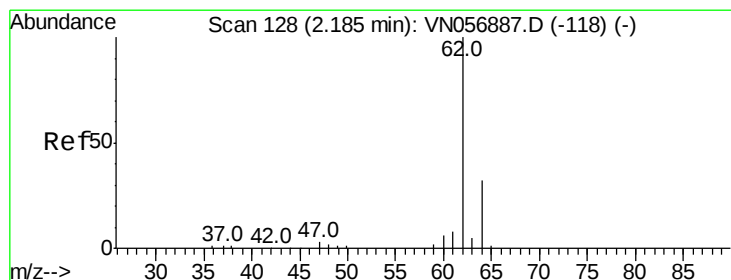
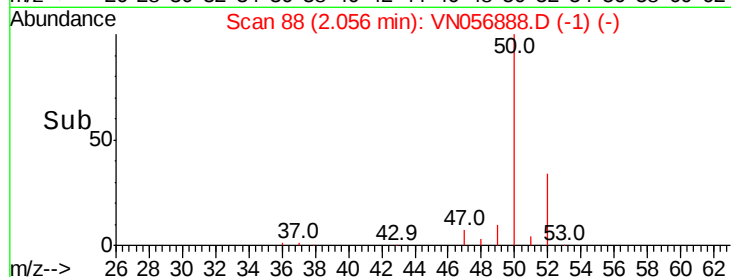
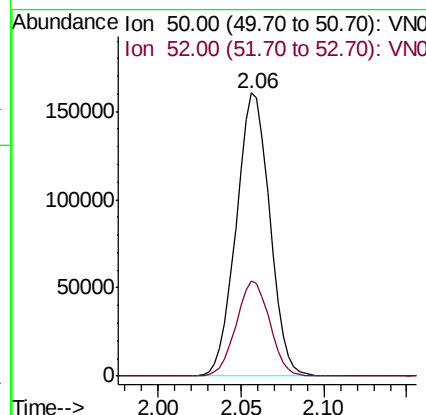
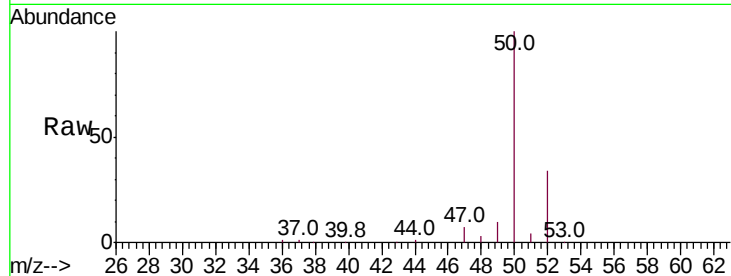
#3
Chloromethane
Concen: 50.061 ug/l
RT: 2.06 min Scan# 88
Delta R.T. -0.00 min
Lab File: VN056888.D
Acq: 23 Jul 2019 19:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
50	100		
52	33.6	26.2	39.2

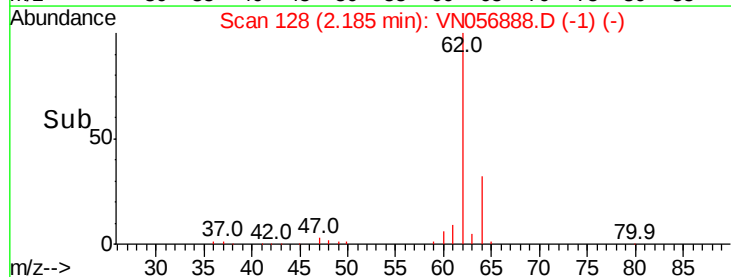
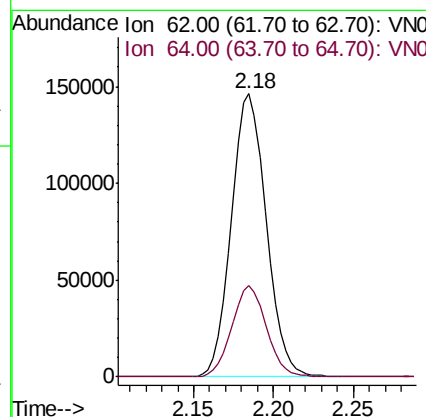
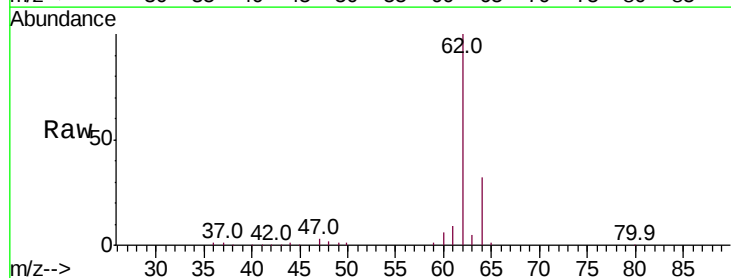
Manual Integrations
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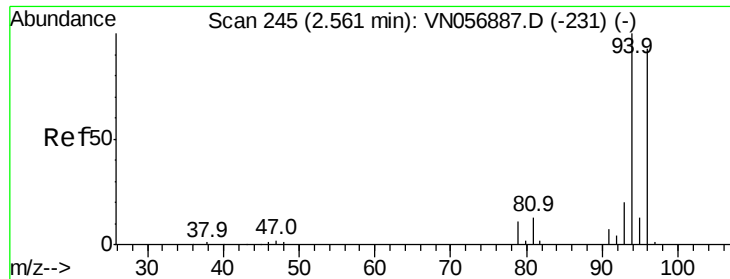
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#4
Vinyl Chloride
Concen: 49.147 ug/l
RT: 2.18 min Scan# 128
Delta R.T. -0.00 min
Lab File: VN056888.D
Acq: 23 Jul 2019 19:52

Tgt Ion	Ratio	Lower	Upper
62	100		
64	32.1	25.4	38.0





#5

Bromomethane

Concen: 46.161 ug/l

RT: 2.55 min Scan# 242

Delta R.T. -0.01 min

Lab File: VN056888.D

Acq: 23 Jul 2019 19:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 94 Resp: 128459

Ion Ratio Lower Upper

94 100

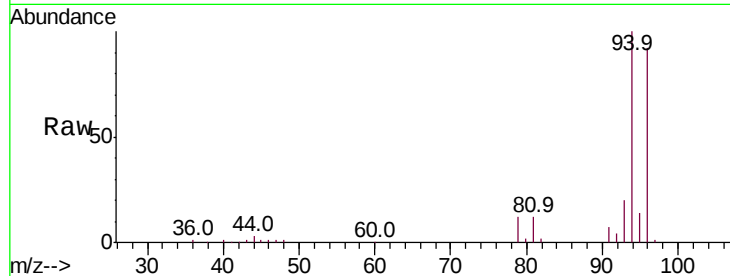
96 91.4 74.7 112.1

Manual Integrations

APPROVED

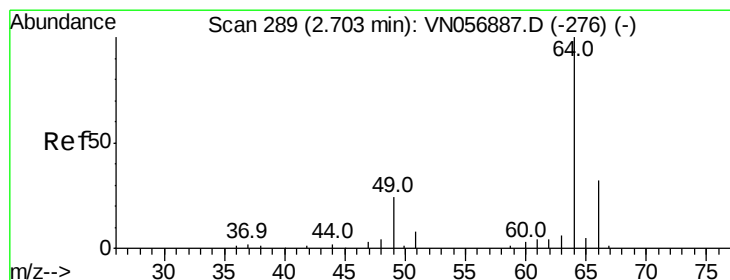
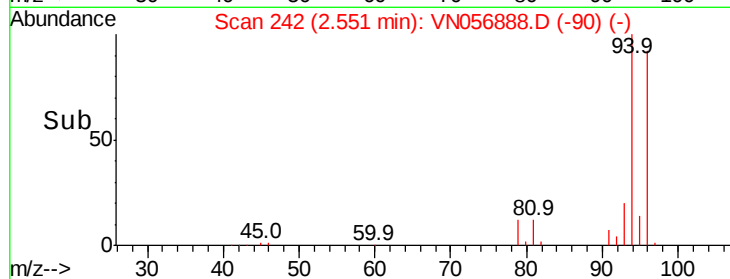
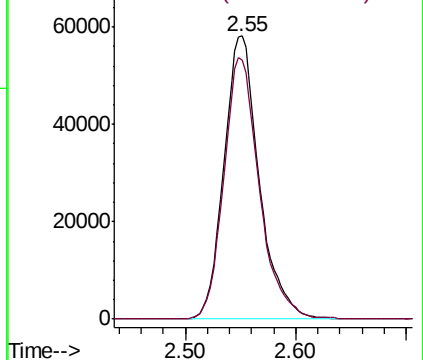
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 46.922 ug/l

RT: 2.70 min Scan# 287

Delta R.T. -0.01 min

Lab File: VN056888.D

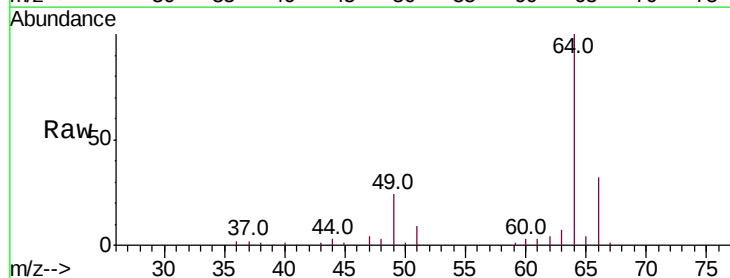
Acq: 23 Jul 2019 19:52

Tgt Ion: 64 Resp: 118260

Ion Ratio Lower Upper

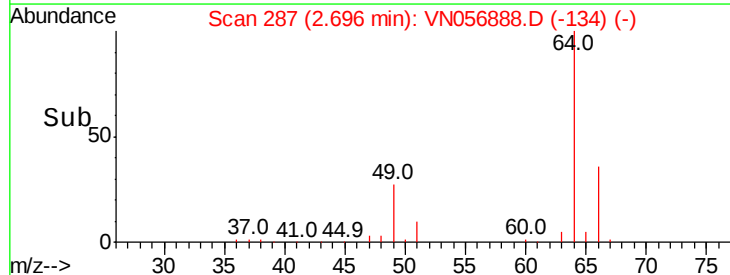
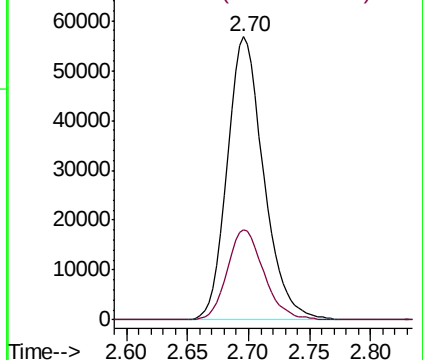
64 100

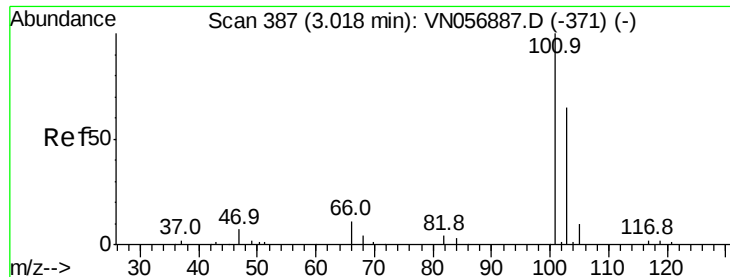
66 31.8 25.8 38.8



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

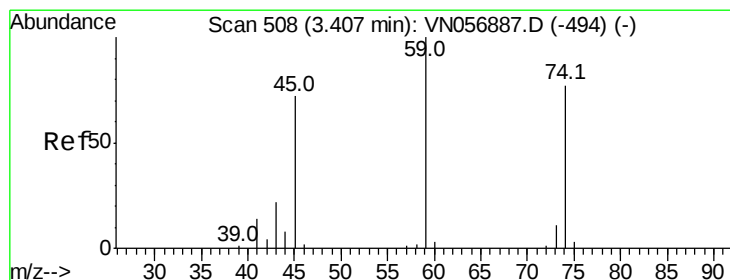
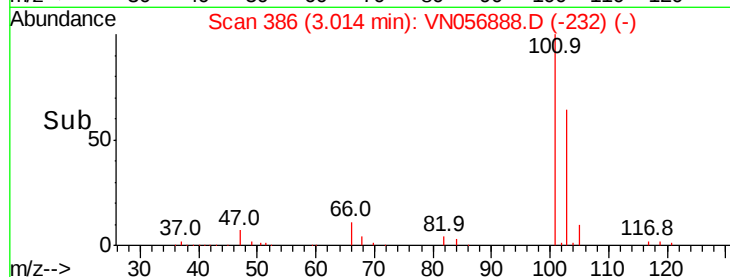
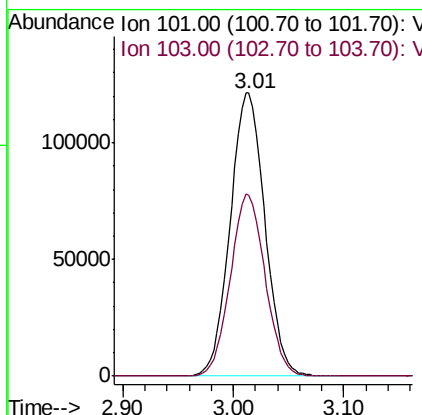
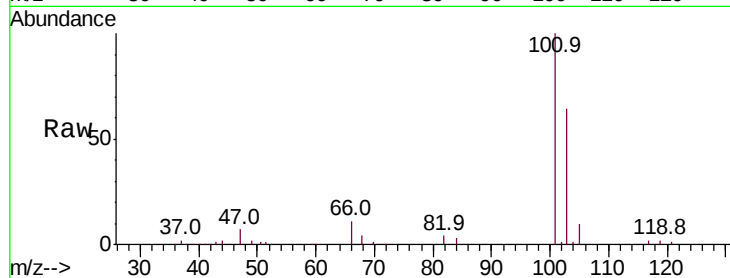
Trichlorofluoromethane
 Concen: 47.268 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. -0.00 min
 Lab File: VN056888.D
 Acq: 23 Jul 2019 19:52

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC050

Tot Ion:101 Resp: 264640
 Ion Ratio Lower Upper
 101 100
 103 64.1 52.2 78.4

Manual Integrations
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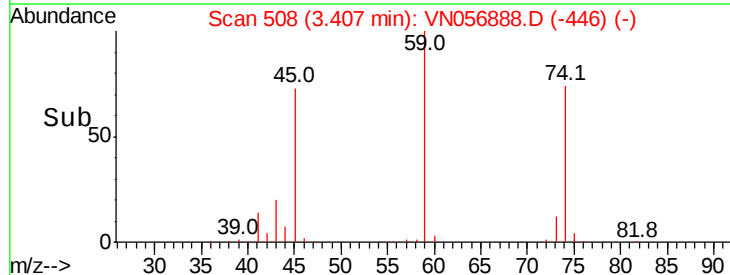
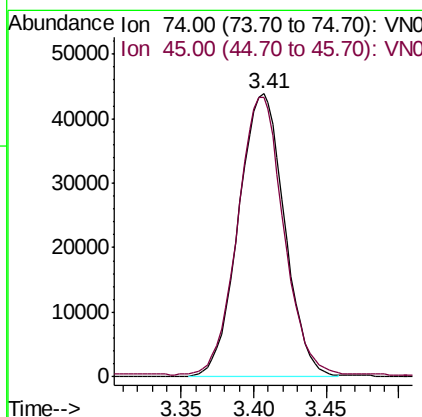
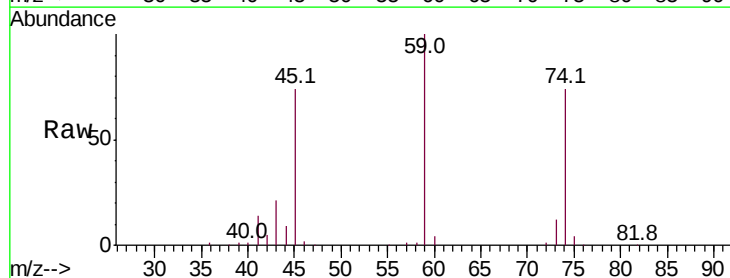
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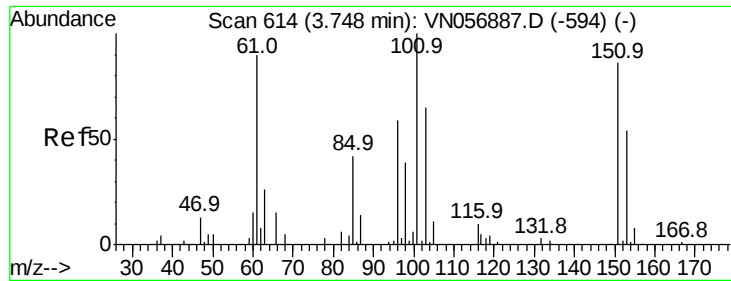


#8

Diethyl Ether
 Concen: 42.495 ug/l
 RT: 3.41 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VN056888.D
 Acq: 23 Jul 2019 19:52

Tgt Ion: 74 Resp: 96686
 Ion Ratio Lower Upper
 74 100
 45 97.9 19.5 175.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.871 ug/l

RT: 3.75 min Scan# 614

Delta R.T. -0.00 min

Lab File: VN056888.D

Acq: 23 Jul 2019 19:52

Instrument :

MSVOA_N

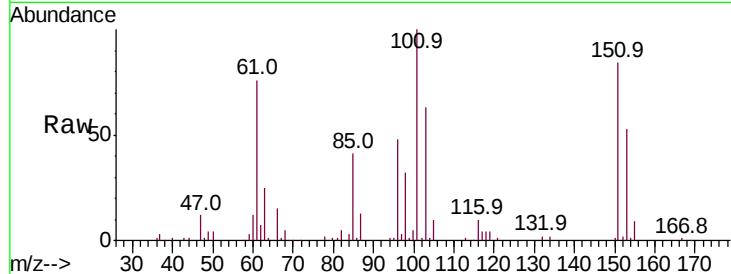
ClientSampleId :

VSTDIC050

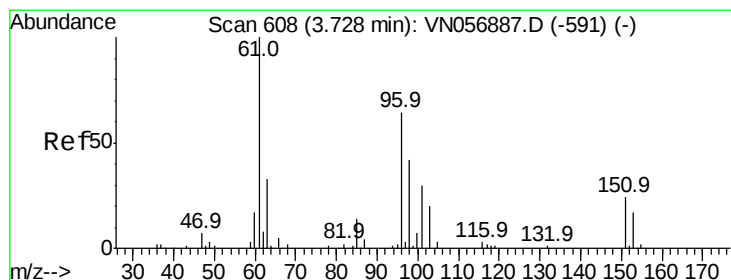
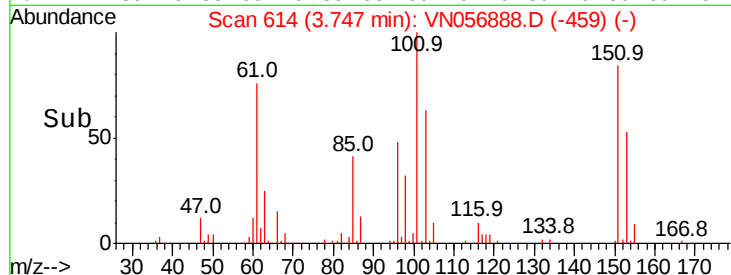
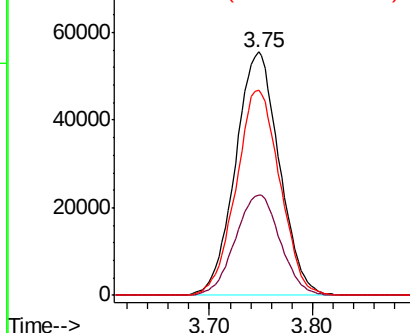
Tot Ion:	101	Resp:	163870
Ion Ratio	Lower	Upper	
101	100		
85	42.2	0.0	85.0
151	84.4	0.0	167.2

Manual Integrations
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Abundance Ion 101.00 (100.70 to 101.70): V
Ion 85.00 (84.70 to 85.70): V
Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 47.206 ug/l

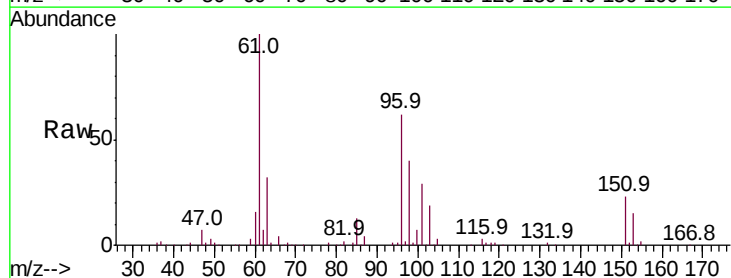
RT: 3.72 min Scan# 607

Delta R.T. -0.00 min

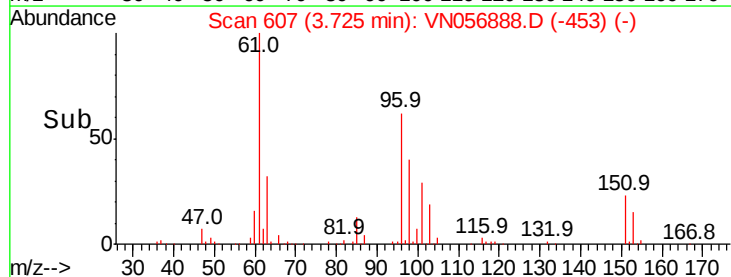
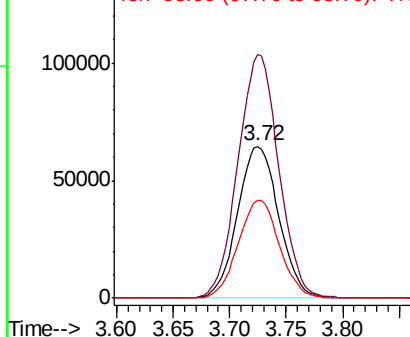
Lab File: VN056888.D

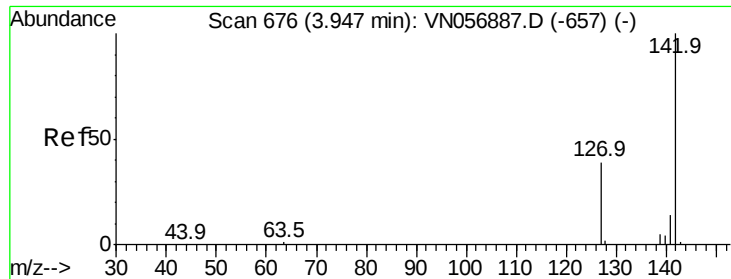
Acq: 23 Jul 2019 19:52

Tgt Ion:	96	Resp:	164053
Ion Ratio	Lower	Upper	
96	100		
61	160.4	125.8	188.8
98	64.4	52.7	79.1



Abundance Ion 96.00 (95.70 to 96.70): V
Ion 61.00 (60.70 to 61.70): V
Ion 98.00 (97.70 to 98.70): V





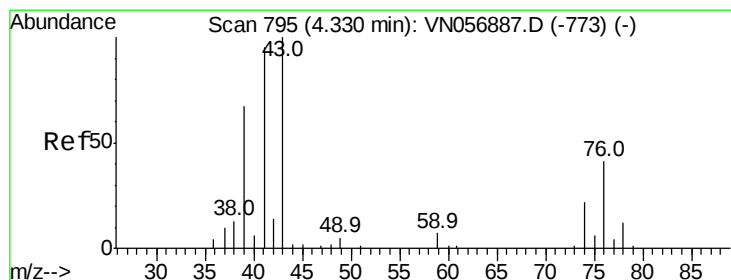
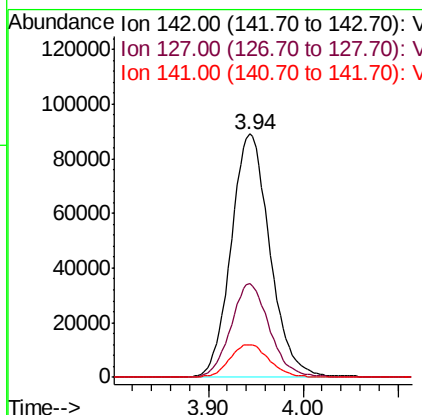
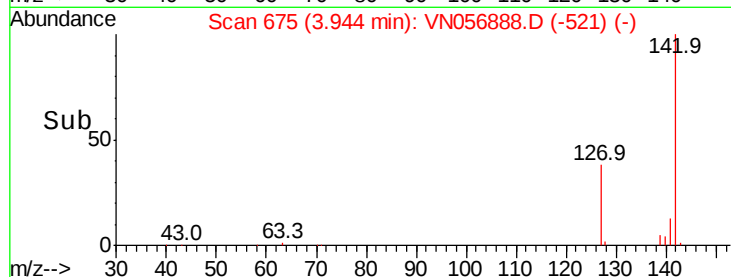
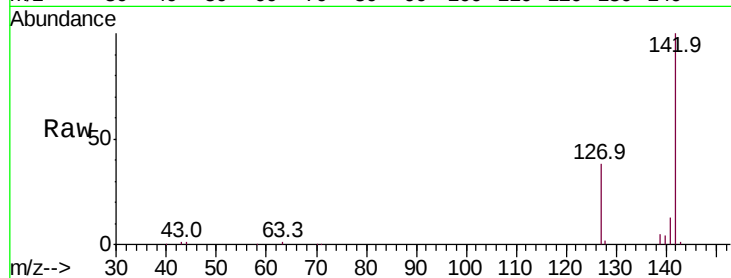
#11
Methyl Iodide
Concen: 53.964 ug/l
RT: 3.94 min Scan# 675
Delta R.T. -0.00 min
Lab File: VN056888.D
Acq: 23 Jul 2019 19:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
142	100		
127	38.4	19.6	58.8
141	13.4	7.2	21.6

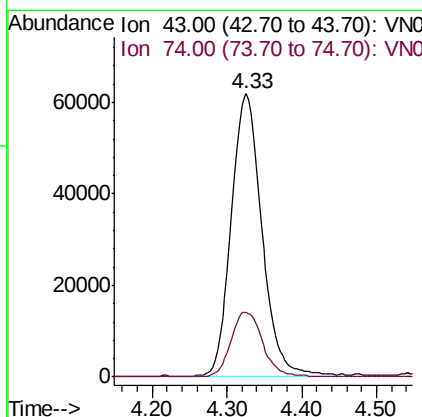
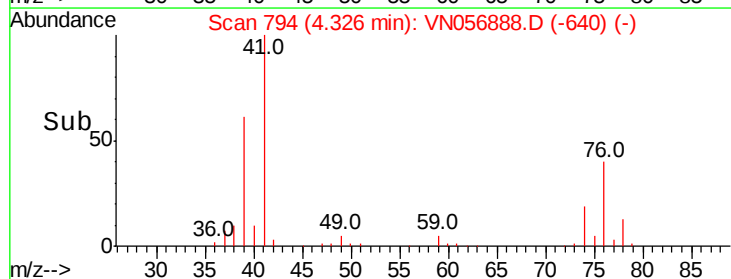
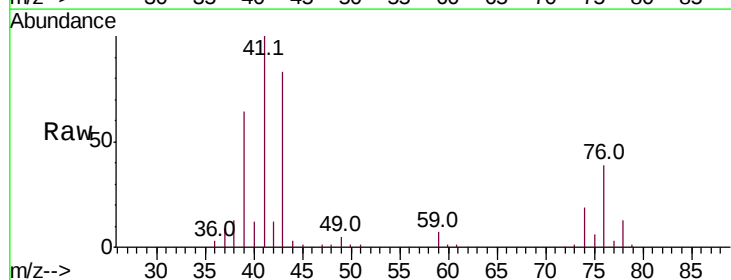
Manual Integrations
APPROVED

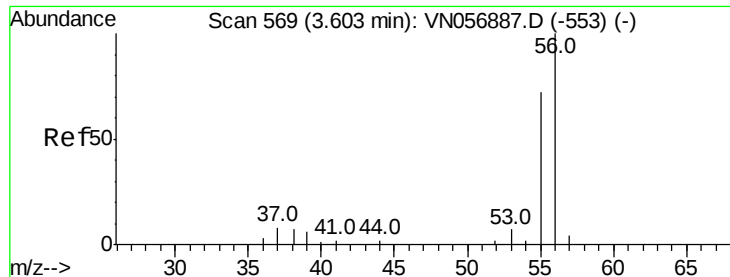
MMDadoda
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#12
Methyl Acetate
Concen: 38.507 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN056888.D
Acq: 23 Jul 2019 19:52

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.5	18.1	27.1





#13

Acrolein

Concen: 304.675 ug/l

RT: 3.60 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN056888.D

Acq: 23 Jul 2019 19:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 56 Resp: 111161

Ion Ratio Lower Upper

56 100

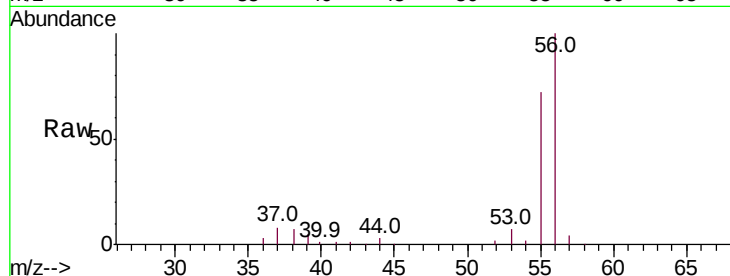
55 71.8 58.5 87.7

Manual Integrations

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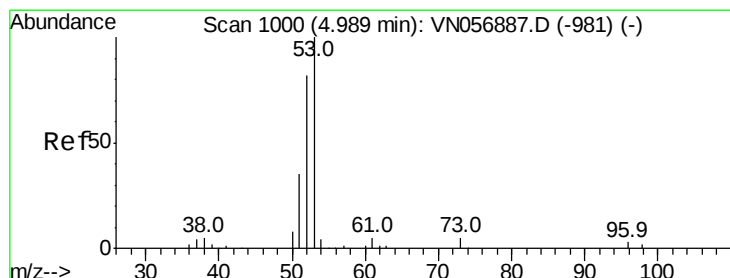
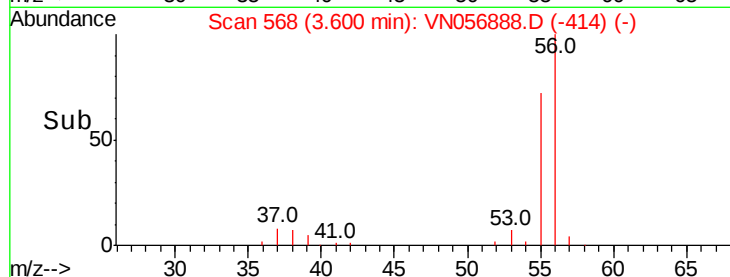
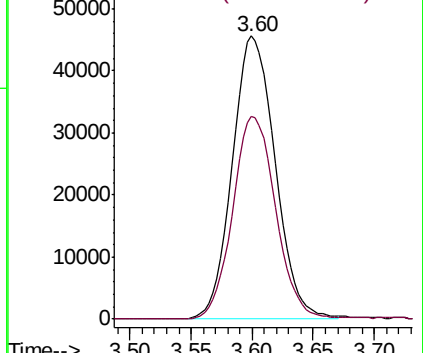
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 197.933 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN056888.D

Acq: 23 Jul 2019 19:52

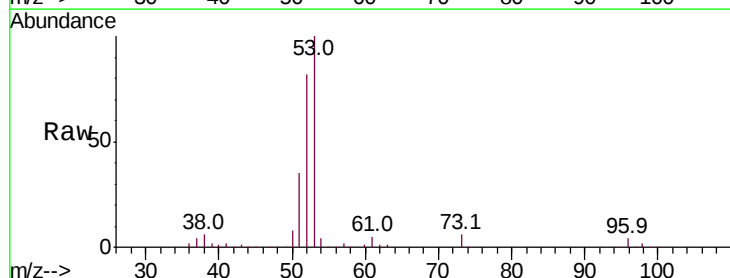
Tgt Ion: 53 Resp: 393250

Ion Ratio Lower Upper

53 100

52 81.4 40.8 122.5

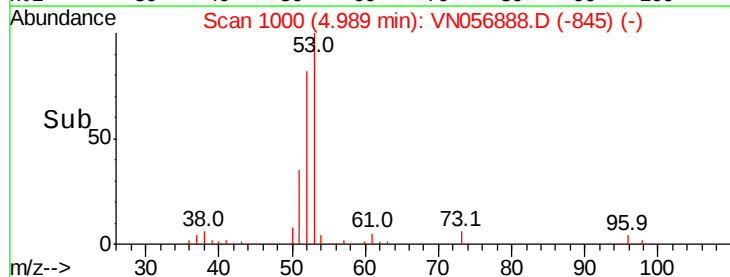
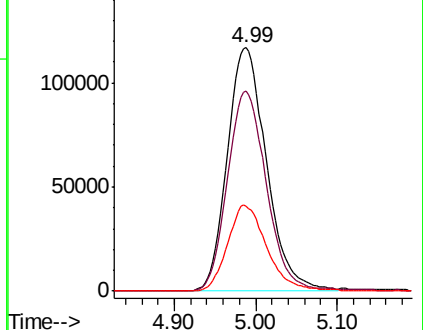
51 35.4 17.4 52.2

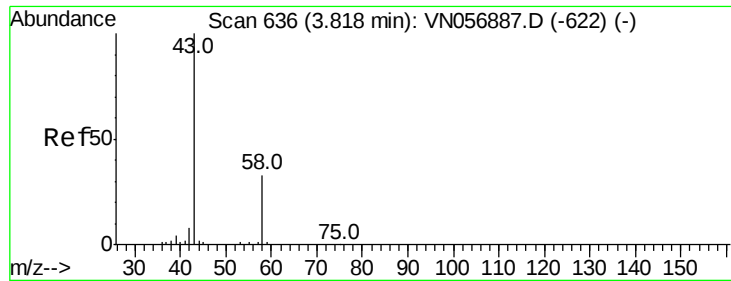


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 160.751 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN056888.D

Acq: 23 Jul 2019 19:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 58 Resp: 101652

Ion Ratio Lower Upper

58 100

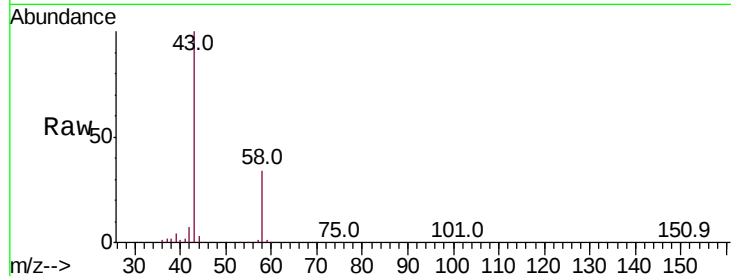
43 294.7 242.4 363.6

Manual Integrations

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Abundance Ion 58.00 (57.70 to 58.70): VN056888.D (-622) (-)

Ion 43.00 (42.70 to 43.70): VN056888.D (-622) (-)

120000

100000

80000

60000

40000

20000

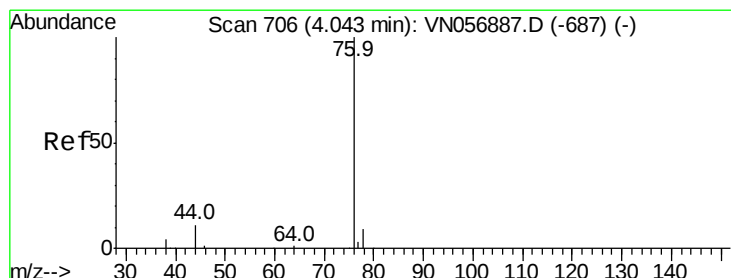
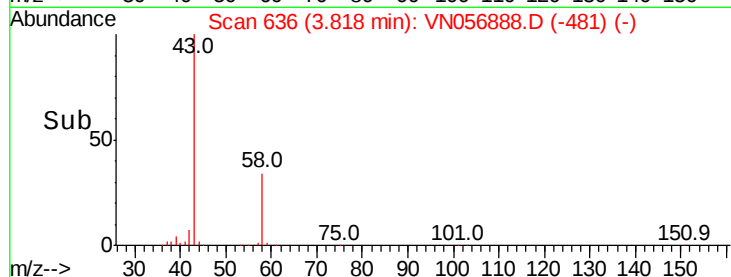
0

3.70

3.80

3.90

Time-->



#16

Carbon Disulfide

Concen: 48.458 ug/l

RT: 4.04 min Scan# 706

Delta R.T. -0.00 min

Lab File: VN056888.D

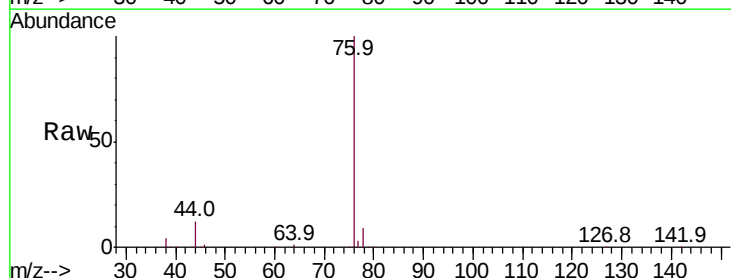
Acq: 23 Jul 2019 19:52

Tgt Ion: 76 Resp: 445981

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VN056888.D (-687) (-)

Ion 78.00 (77.70 to 78.70): VN056888.D (-687) (-)

200000

150000

100000

50000

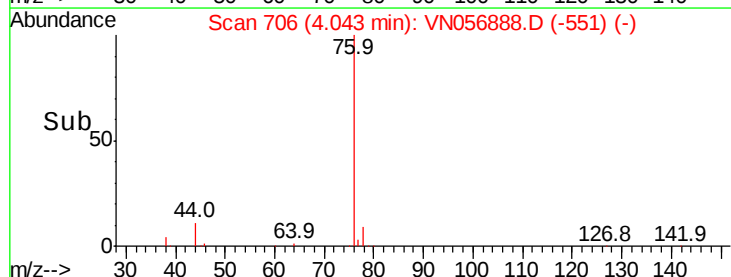
0

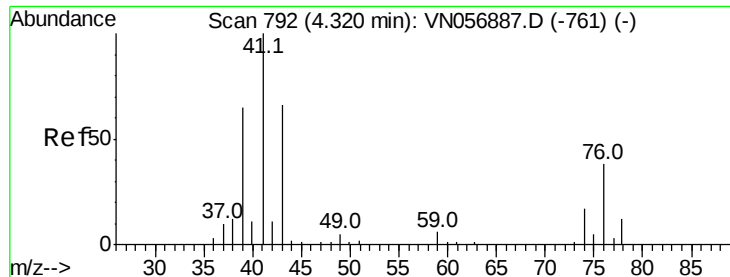
3.90

4.00

4.10

Time-->





#17

Allvl chloride

Concen: 45.343 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN056888.D

Acq: 23 Jul 2019 19:52

Instrument :

MSVOA_N

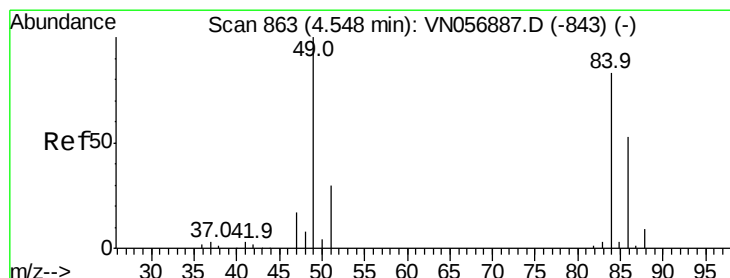
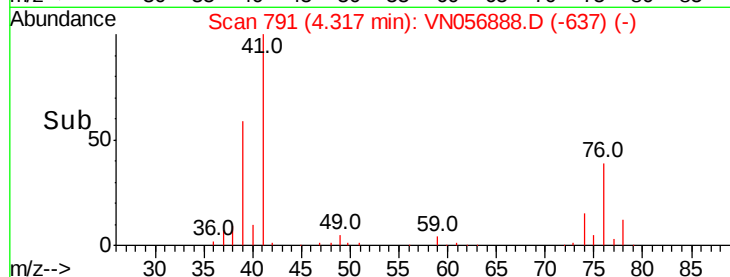
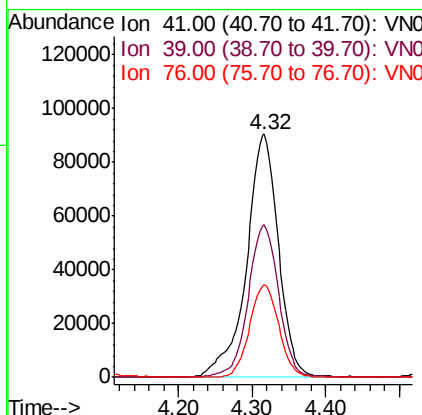
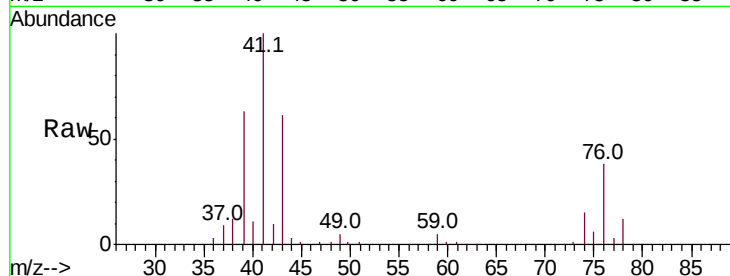
ClientSampleId :

VSTDIC050

Tot Ion:	41	Resp:	273545
Ion Ratio		Lower	Upper
41	100		
39	62.5	32.4	97.0
76	37.9	19.0	57.0

Manual Integrations
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#18

Methylene Chloride

Concen: 46.878 ug/l

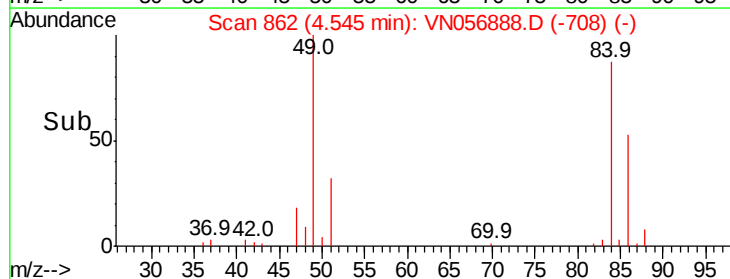
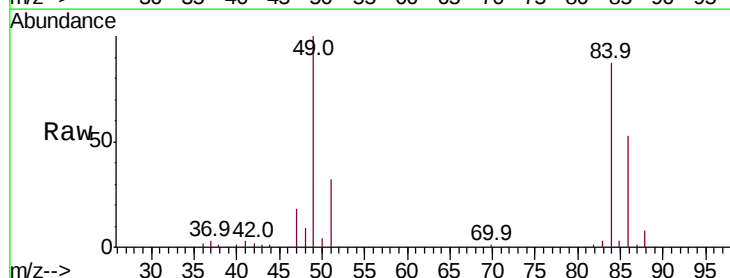
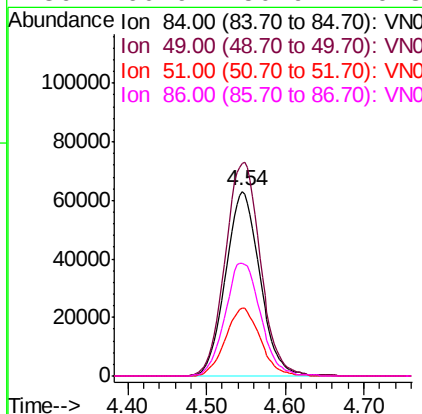
RT: 4.54 min Scan# 862

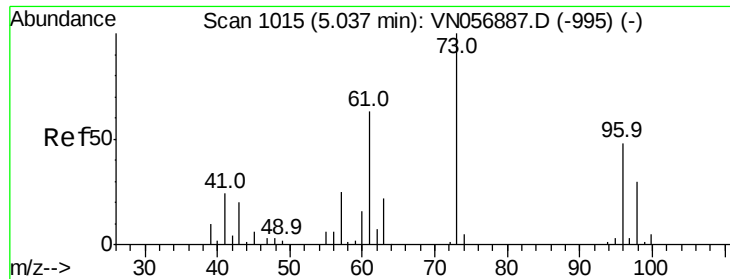
Delta R.T. -0.00 min

Lab File: VN056888.D

Acq: 23 Jul 2019 19:52

Tgt Ion:	84	Resp:	191182
Ion Ratio		Lower	Upper
84	100		
49	114.8	96.3	144.5
51	37.1	28.8	43.2
86	60.9	50.9	76.3





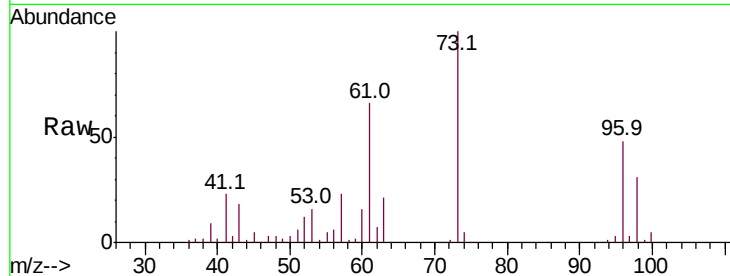
#19
trans-1,2-Dichloroethene
Concen: 47.364 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VN056888.D
Acq: 23 Jul 2019 19:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

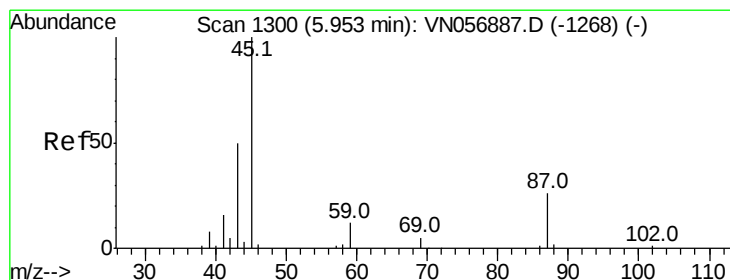
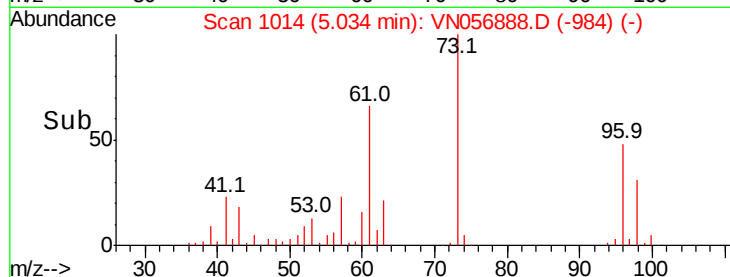
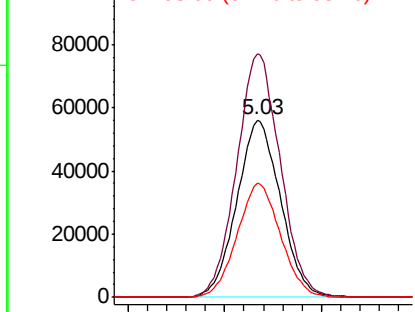
Tot Ion: 96 Resp: 175226
Ion Ratio Lower Upper
96 100
61 136.8 105.4 158.0
98 64.5 50.8 76.2

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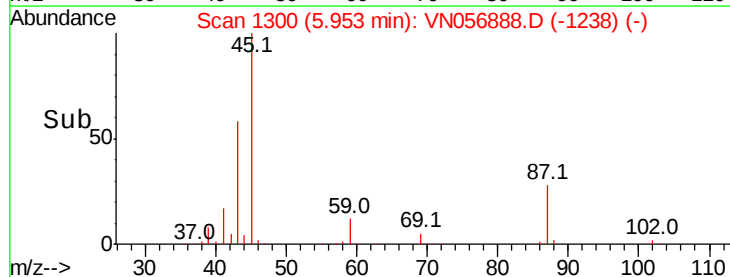
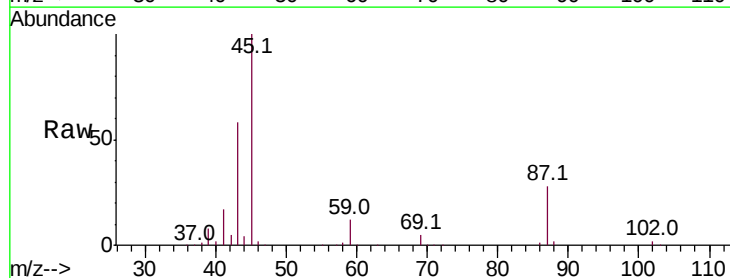
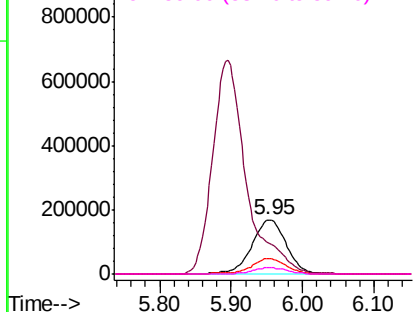
Abundance Ion 96.00 (95.70 to 96.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 98.00 (97.70 to 98.70): VNO

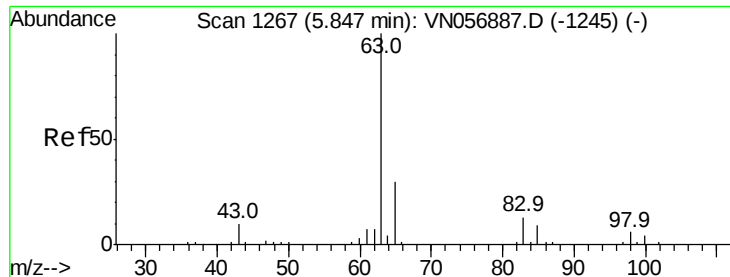


#20
Diisopropyl ether
Concen: 46.780 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN056888.D
Acq: 23 Jul 2019 19:52

Tgt Ion: 45 Resp: 565752
Ion Ratio Lower Upper
45 100
43 56.5 47.4 71.0
87 28.4 21.7 32.5
59 11.4 9.3 13.9

Abundance Ion 45.00 (44.70 to 45.70): VNO
Ion 43.00 (42.70 to 43.70): VNO
Ion 87.00 (86.70 to 87.70): VNO
Ion 59.00 (58.70 to 59.70): VNO





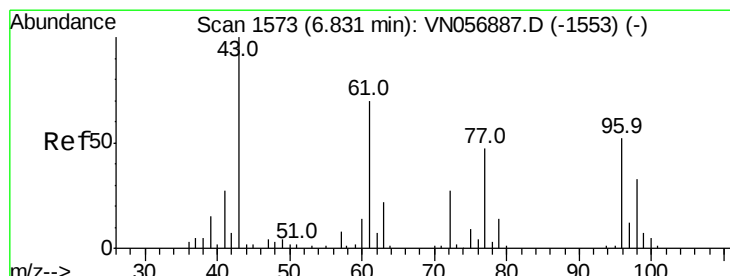
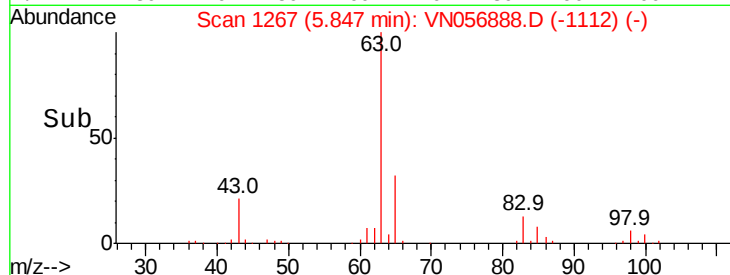
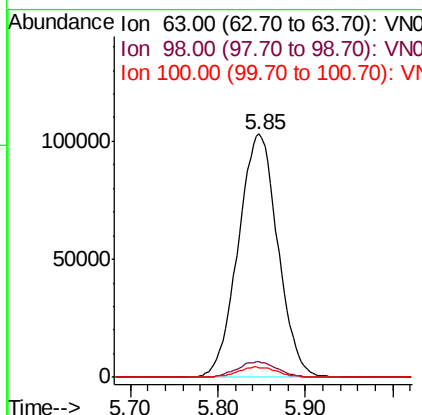
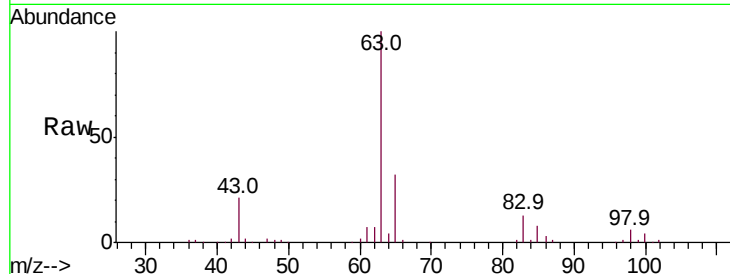
#21
 1,1-Dichloroethane
 Concen: 46.739 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VN056888.D
 Acq: 23 Jul 2019 19:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
63	100			
98	6.3	3.1	9.3	
100	4.1	1.8	5.5	

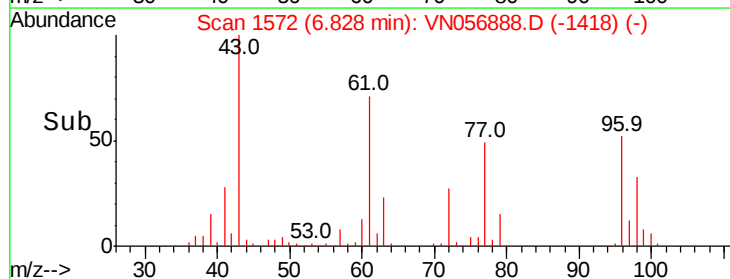
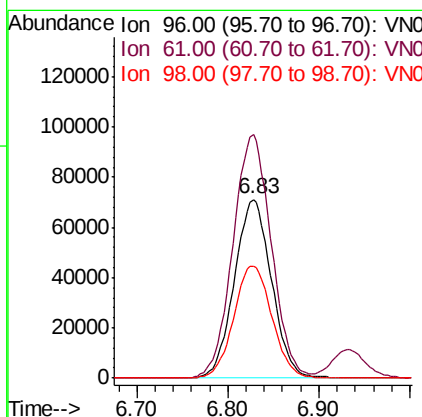
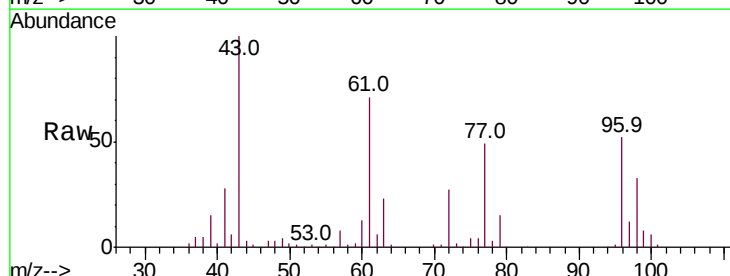
Manual Integrations
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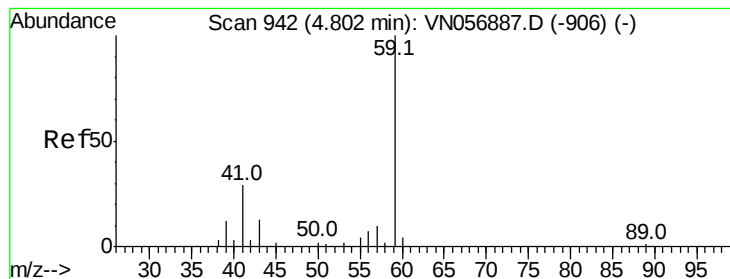
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#22
 cis-1,2-Dichloroethene
 Concen: 46.447 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VN056888.D
 Acq: 23 Jul 2019 19:52

Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	140.5	111.6	167.4	
98	64.3	51.0	76.4	





#23

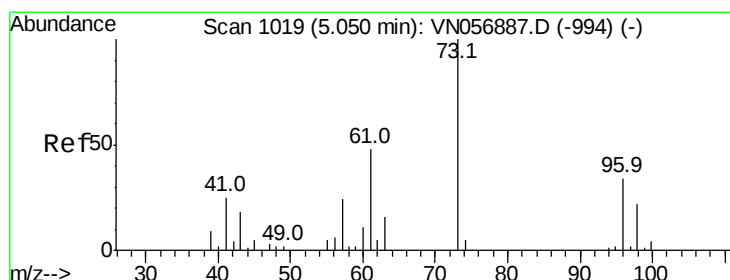
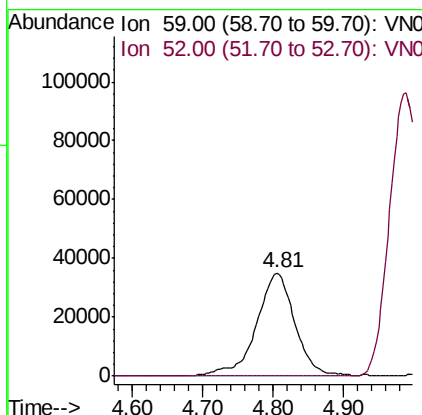
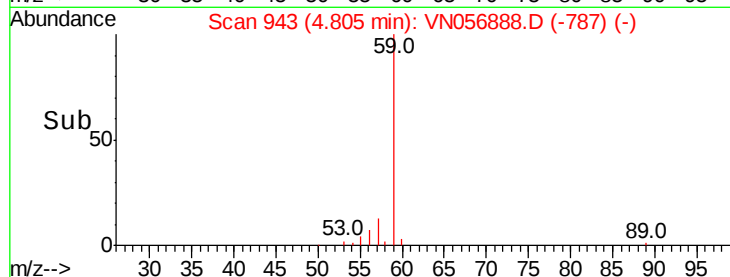
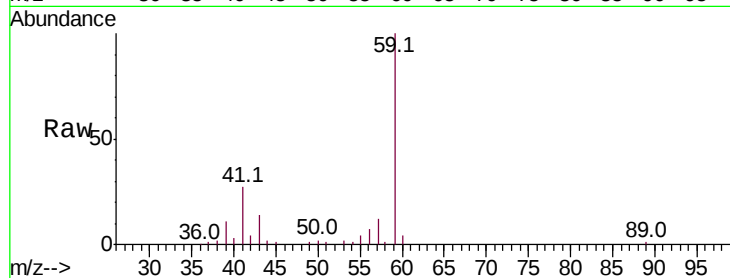
tert-Butyl Alcohol
 Concen: 190.893 ug/l
 RT: 4.81 min Scan# 943
 Delta R.T. 0.00 min
 Lab File: VN056888.D
 Acq: 23 Jul 2019 19:52

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC050

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

Manual Integrations
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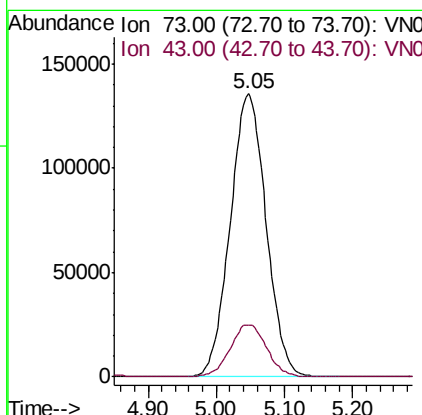
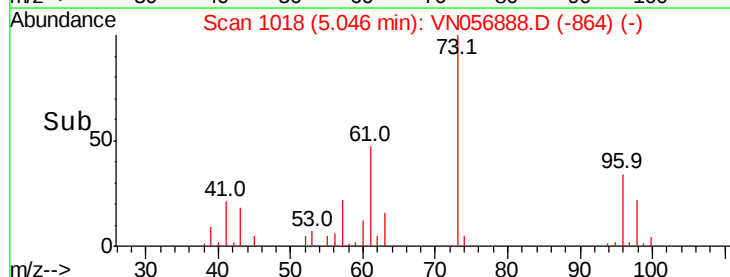
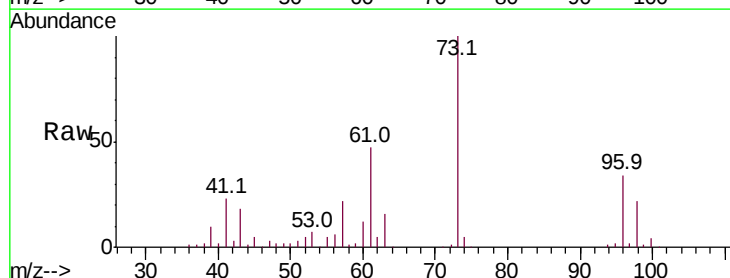
MMDadoda
 7/25/2019 2:19:59 PM

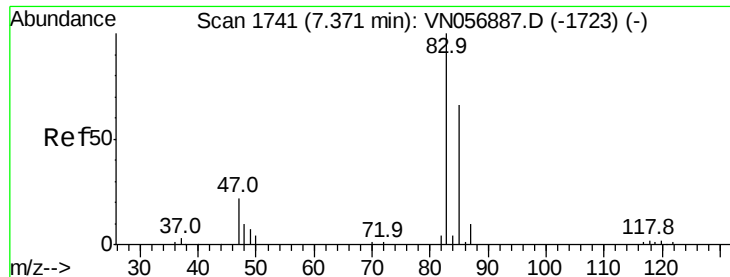


#24

Methyl tert-Butyl Ether
 Concen: 45.196 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. -0.00 min
 Lab File: VN056888.D
 Acq: 23 Jul 2019 19:52

Tgt Ion	73	Ratio	Lower	Upper
73	100			
43	9.4	15.4	23.0	#





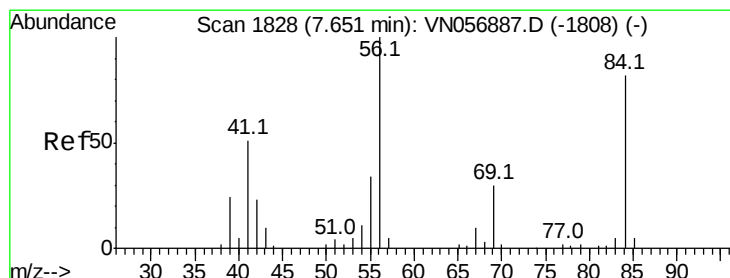
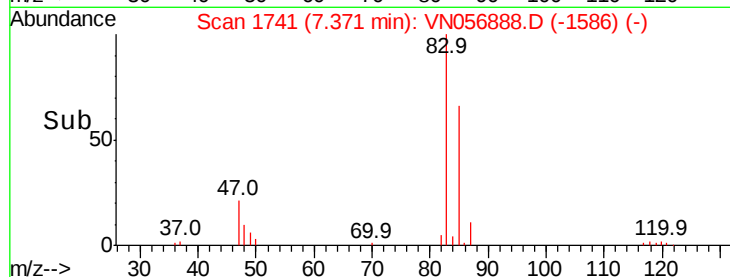
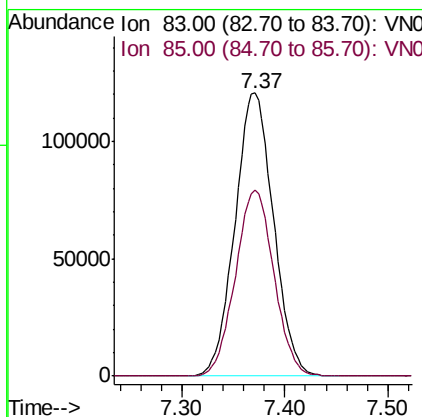
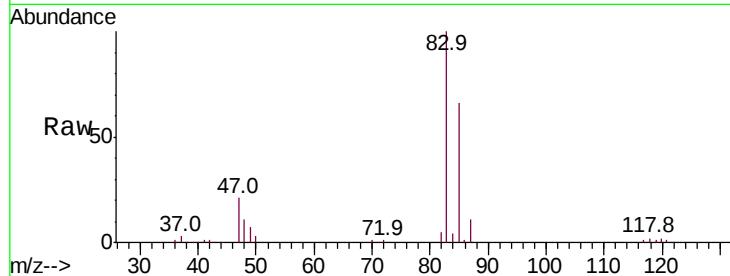
#25
Chloroform
Concen: 46.669 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN056888.D
Acq: 23 Jul 2019 19:52

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion: 83 Resp: 313747
Ion Ratio Lower Upper
83 100
85 65.7 53.1 79.7

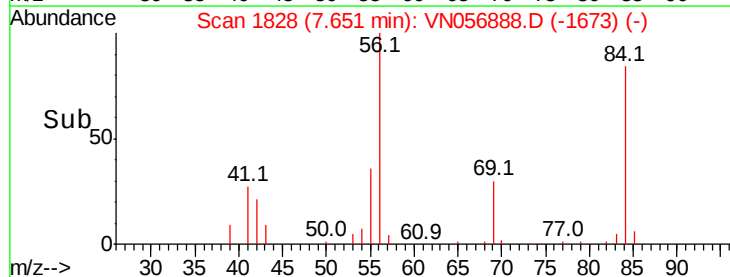
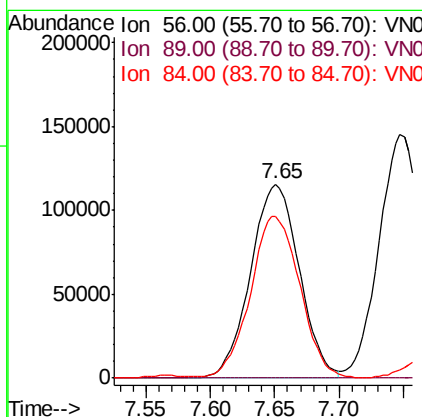
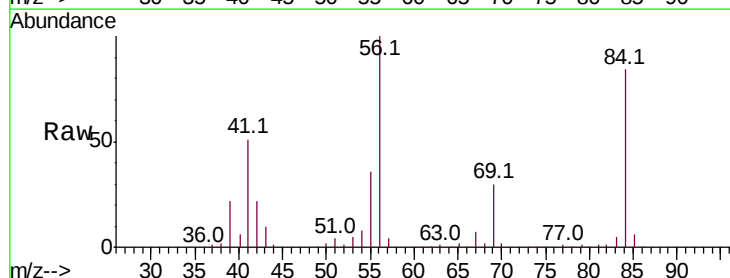
Manual Integrations
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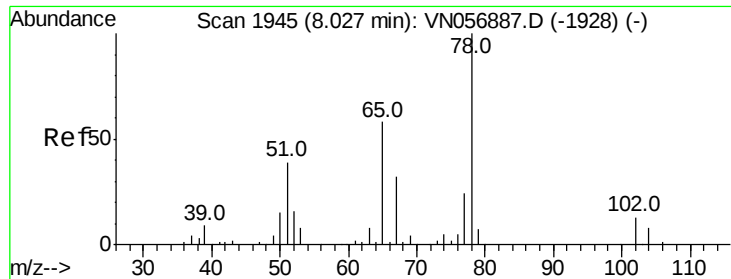
MMDadoda
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#26
Cyclohexane
Concen: 47.778 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.00 min
Lab File: VN056888.D
Acq: 23 Jul 2019 19:52

Tgt Ion: 56 Resp: 304349
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 84.6 67.8 101.6





#27

1,2-Dichloroethane-d4

Concen: 29.156 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN056888.D

Acq: 23 Jul 2019 19:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 65 Resp: 118297

Ion Ratio Lower Upper

65 100

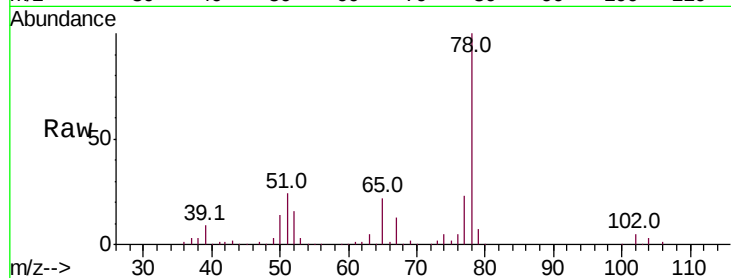
67 55.6 44.6 66.8

Manual Integrations

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Abundance Ion 65.00 (64.70 to 65.70): VN056888.D (-1928) (-)

Ion 67.00 (66.70 to 67.70): VN056888.D (-1928) (-)

60000

50000

40000

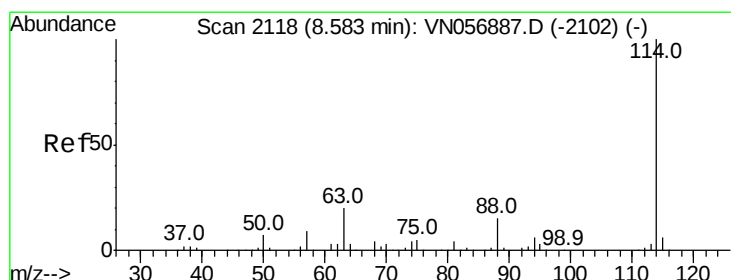
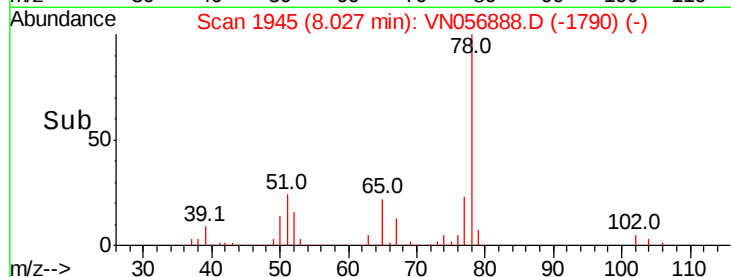
30000

20000

10000

0

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN056888.D

Acq: 23 Jul 2019 19:52

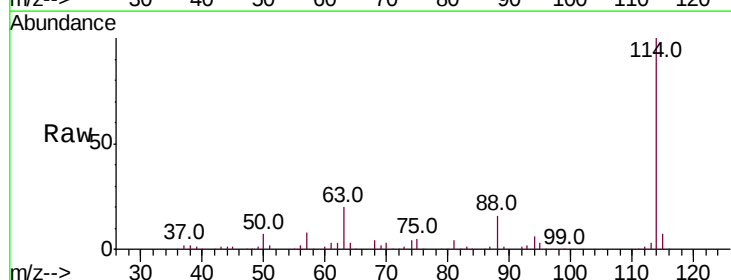
Tgt Ion: 114 Resp: 324153

Ion Ratio Lower Upper

114 100

63 19.7 15.8 23.6

88 15.7 12.5 18.7



Abundance Ion 114.00 (113.70 to 114.70): VN056888.D (-1963) (-)

Ion 63.00 (62.70 to 63.70): VN056888.D (-1963) (-)

Ion 88.00 (87.70 to 88.70): VN056888.D (-1963) (-)

200000

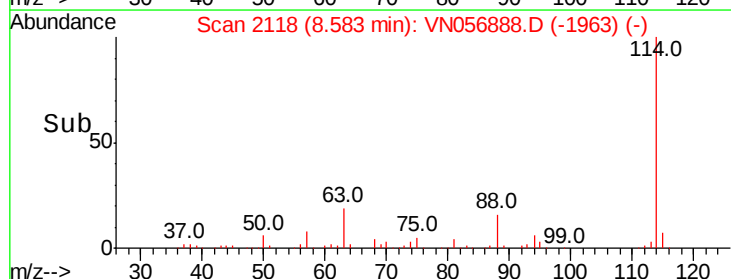
150000

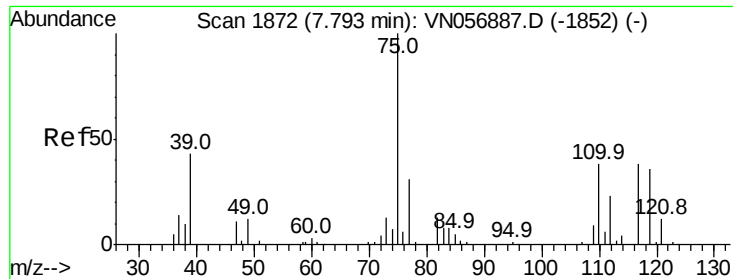
100000

50000

0

Time-->





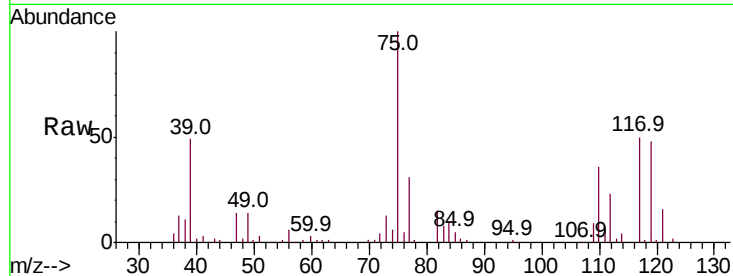
#29
 1,1-Dichloropropene
 Concen: 48.840 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN056888.D
 Acq: 23 Jul 2019 19:52

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC050

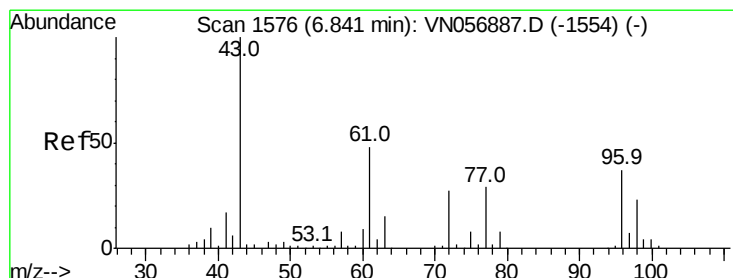
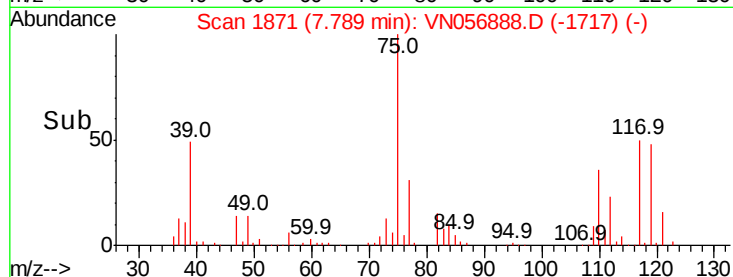
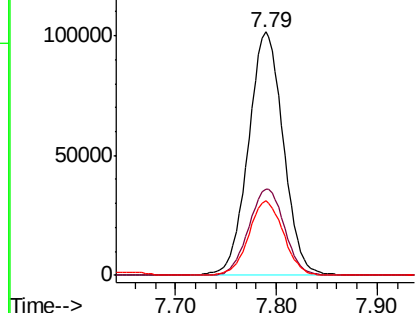
Tot Ion	Ratio	Resp	Lower	Upper
75	100	243390		
110	36.1	0.0	75.8	
77	30.5	0.0	64.0	

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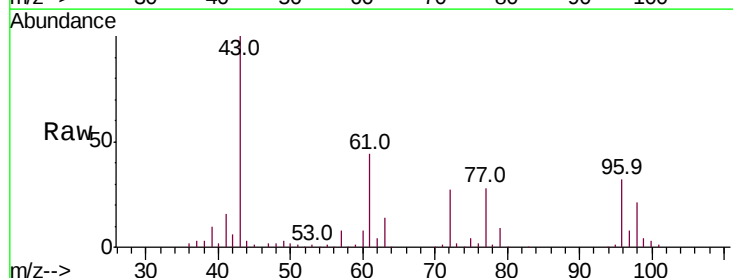


Abundance Ion 75.00 (74.70 to 75.70): VN056888.D (-1717) (-)
 Ion 110.00 (109.70 to 110.70): VN056888.D (-1717) (-)
 Ion 77.00 (76.70 to 77.70): VN056888.D (-1717) (-)

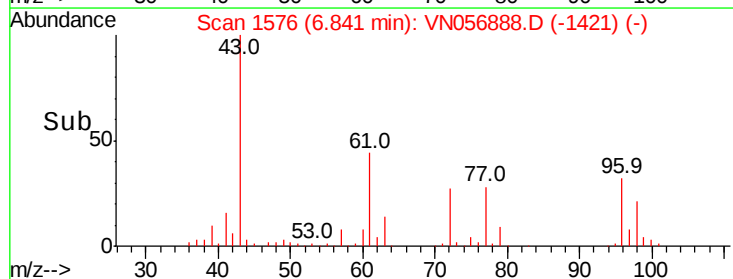
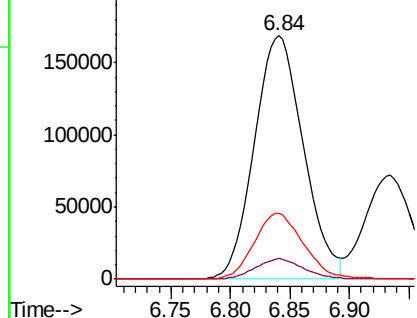


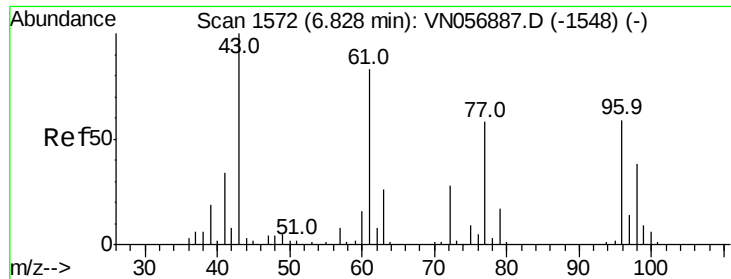
#30
 2-Butanone
 Concen: 177.769 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. -0.00 min
 Lab File: VN056888.D
 Acq: 23 Jul 2019 19:52

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	480998		
57	8.3	6.5	9.7	
72	27.2	22.1	33.1	



Abundance Ion 43.00 (42.70 to 43.70): VN056888.D (-1421) (-)
 Ion 57.00 (56.70 to 57.70): VN056888.D (-1421) (-)
 Ion 72.00 (71.70 to 72.70): VN056888.D (-1421) (-)





#31

2,2-Dichloropropane

Concen: 45.775 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.01 min

Lab File: VN056888.D

Acq: 23 Jul 2019 19:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 77 Resp: 220178

Ion Ratio Lower Upper

77 100

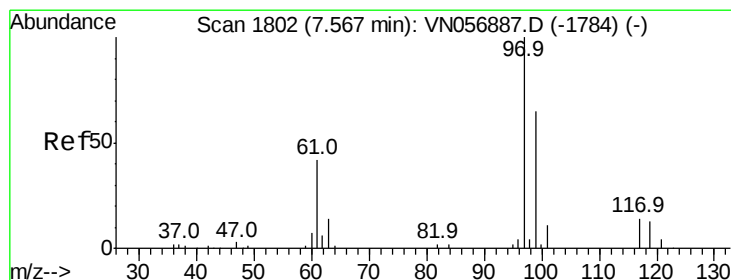
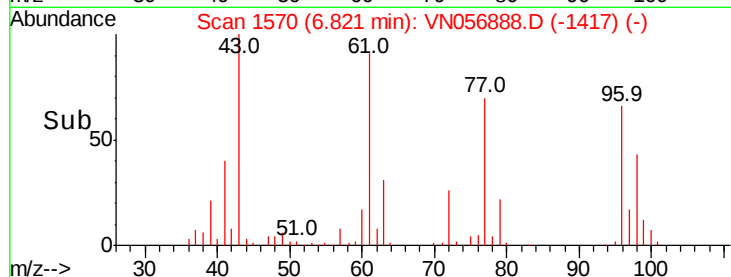
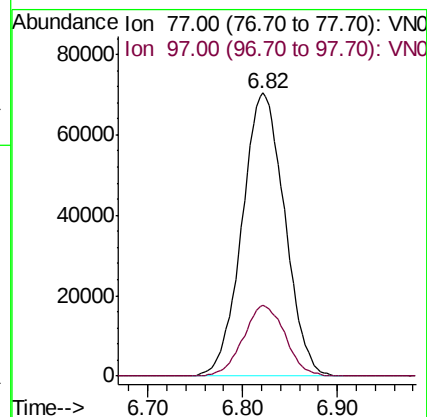
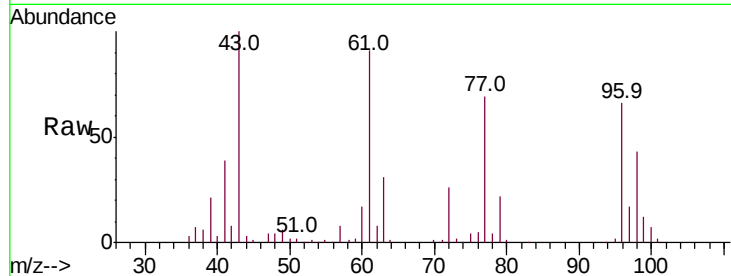
97 24.6 19.3 28.9

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 48.876 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN056888.D

Acq: 23 Jul 2019 19:52

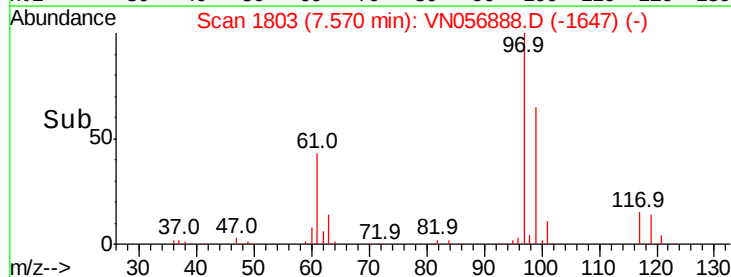
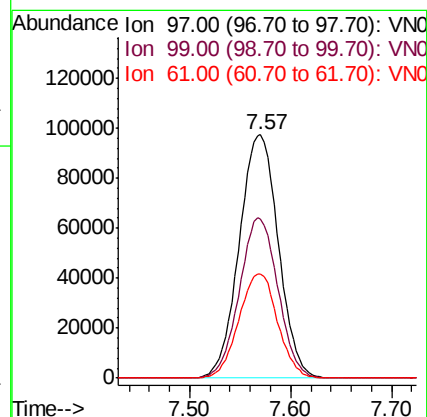
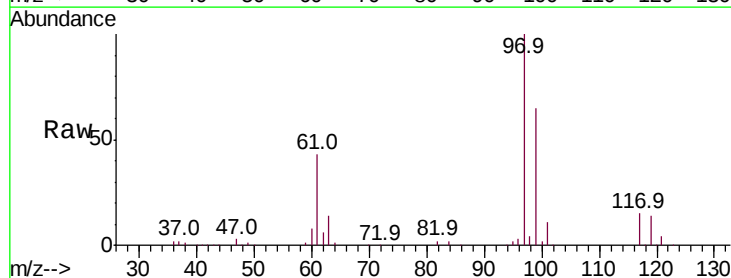
Tgt Ion: 97 Resp: 262102

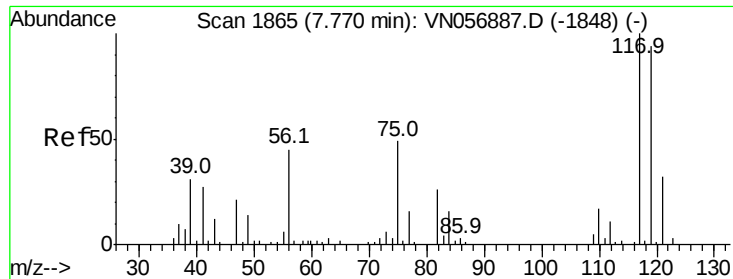
Ion Ratio Lower Upper

97 100

99 65.0 52.3 78.5

61 42.6 34.4 51.6





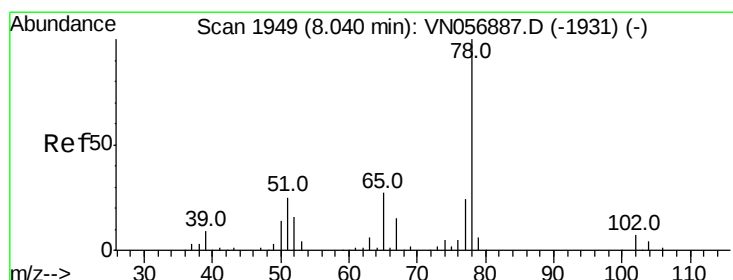
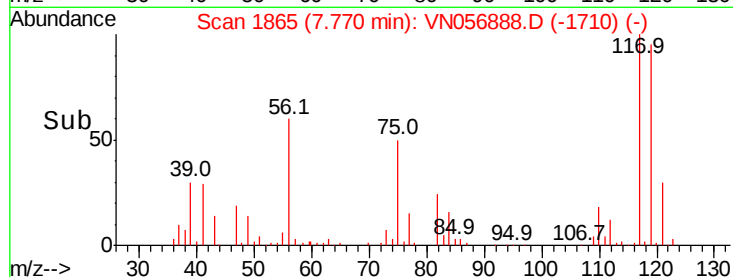
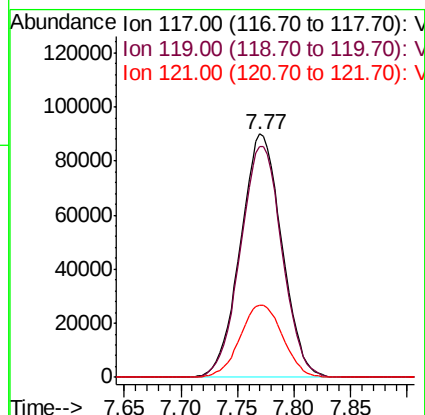
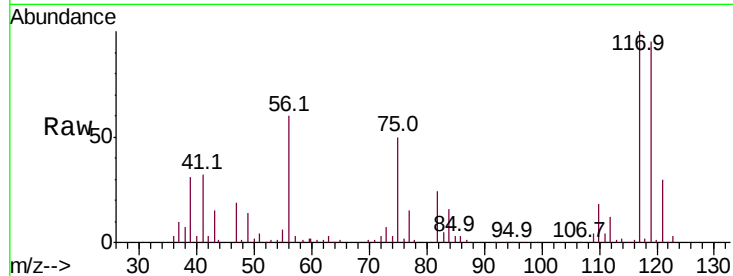
#33
Carbon Tetrachloride
Concen: 49.525 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN056888.D
Acq: 23 Jul 2019 19:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
117	100		
119	95.1	75.1	112.7
121	29.8	25.8	38.8

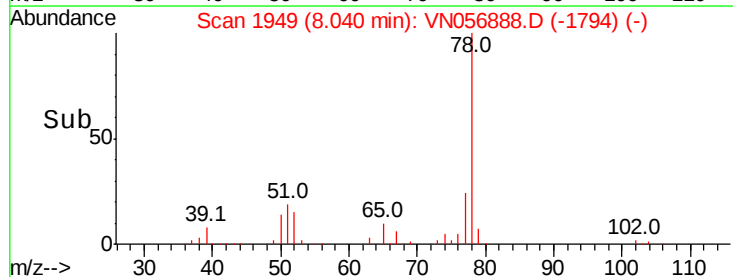
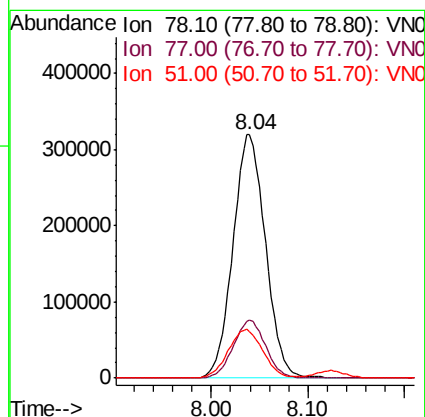
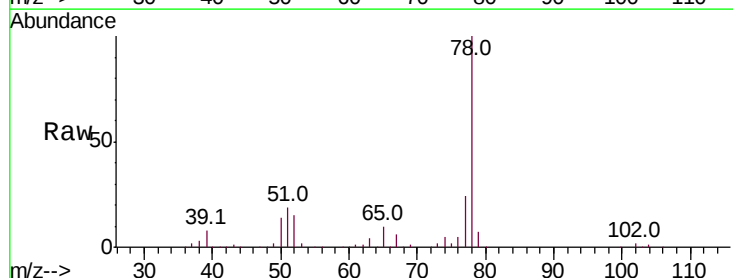
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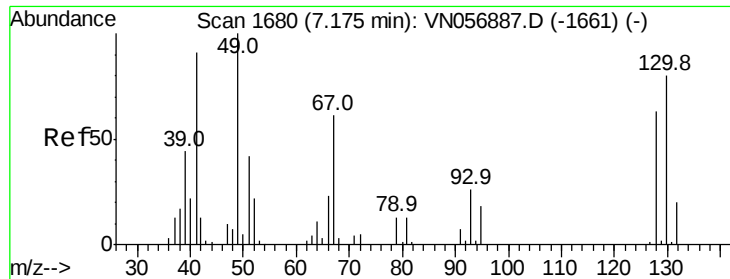
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#34
Benzene
Concen: 48.291 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN056888.D
Acq: 23 Jul 2019 19:52

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.4	29.2
51	19.1	20.4	30.6#





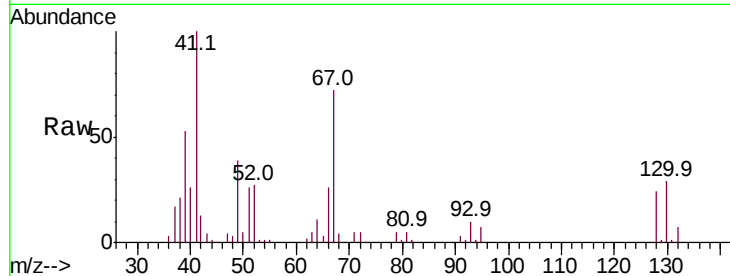
#35
Methacrylonitrile
Concen: 33.607 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN056888.D
Acq: 23 Jul 2019 19:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	52.2	24.4	73.2
67	71.8	33.4	100.1
52	26.4	12.1	36.3

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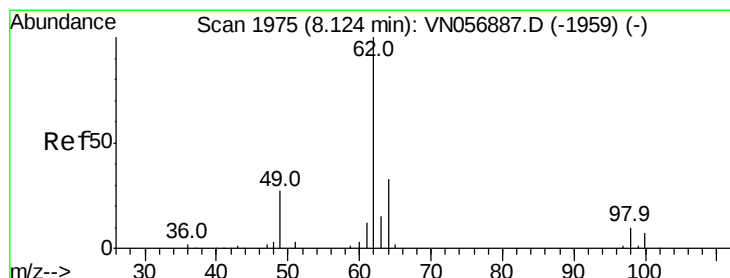
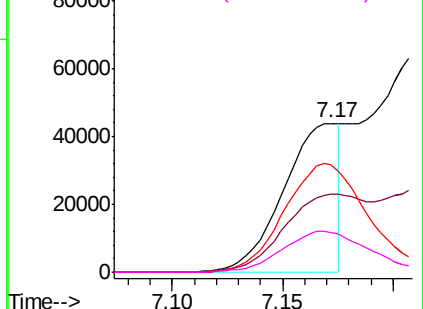
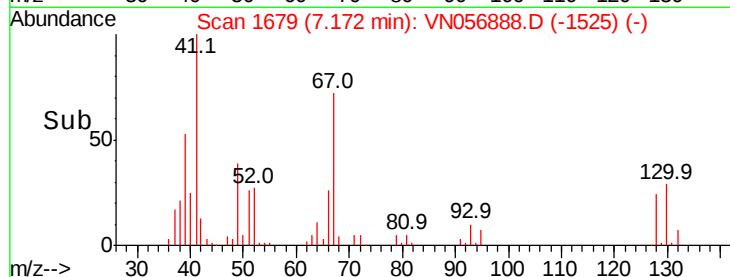
Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

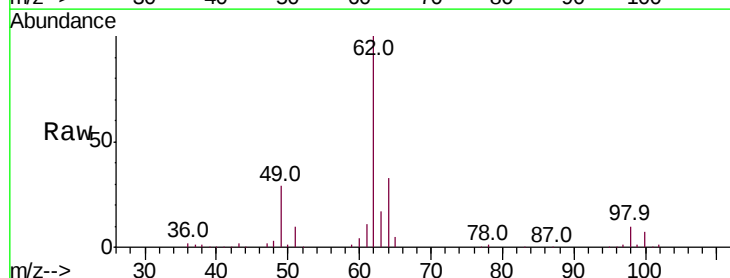
Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#36
1,2-Dichloroethane
Concen: 46.962 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN056888.D
Acq: 23 Jul 2019 19:52

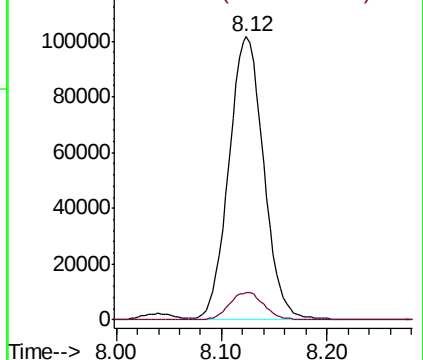
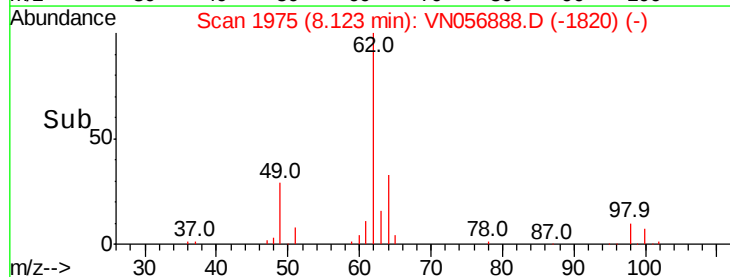
Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.7	7.7	11.5

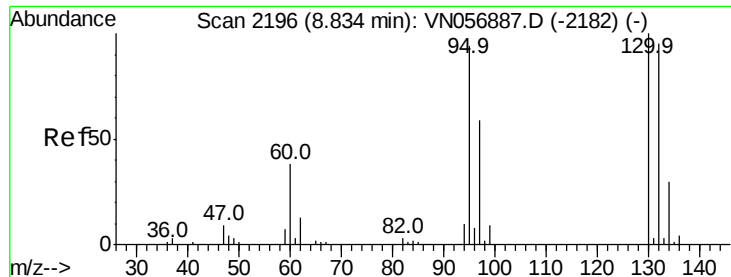


Abundance

Ion 62.00 (61.70 to 62.70): VNO

Ion 98.00 (97.70 to 98.70): VNO





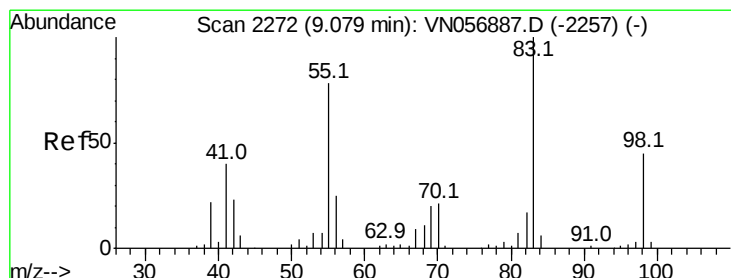
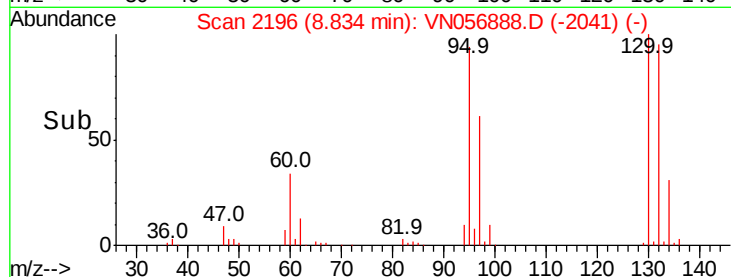
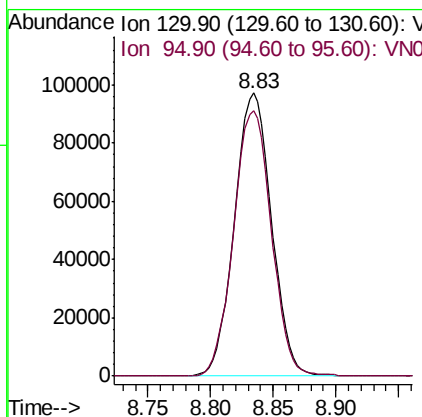
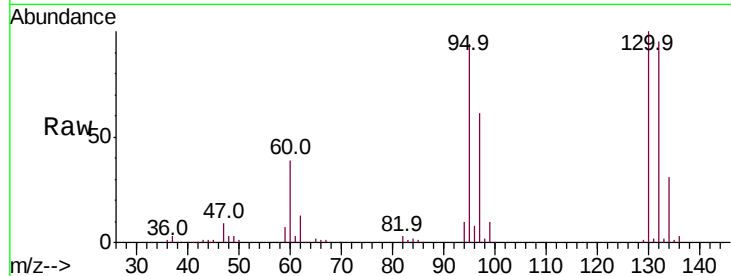
#37
 Trichloroethene
 Concen: 48.064 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN056888.D
 Acq: 23 Jul 2019 19:52

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC050

Tot Ion:130 Resp: 200566
 Ion Ratio Lower Upper
 130 100
 95 93.6 74.9 112.3

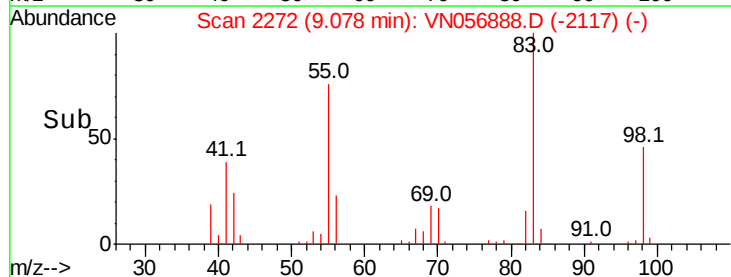
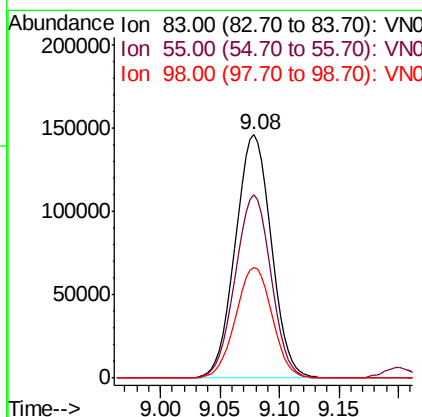
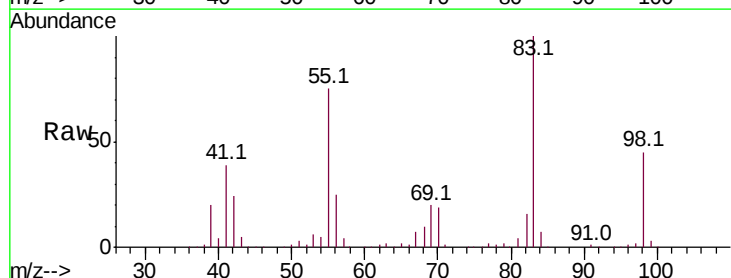
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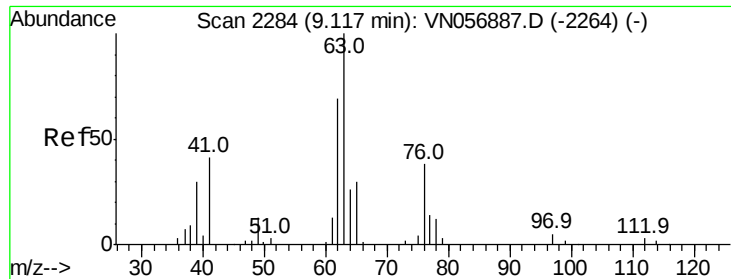
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#38
 Methylcyclohexane
 Concen: 48.959 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VN056888.D
 Acq: 23 Jul 2019 19:52

Tgt Ion: 83 Resp: 307397
 Ion Ratio Lower Upper
 83 100
 55 75.0 38.4 115.1
 98 46.1 22.7 68.0





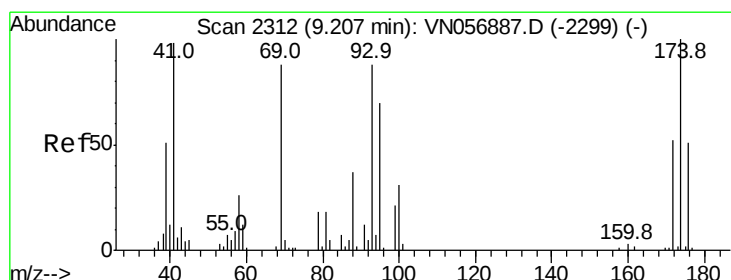
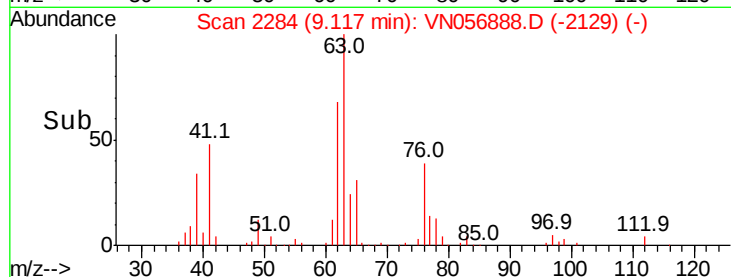
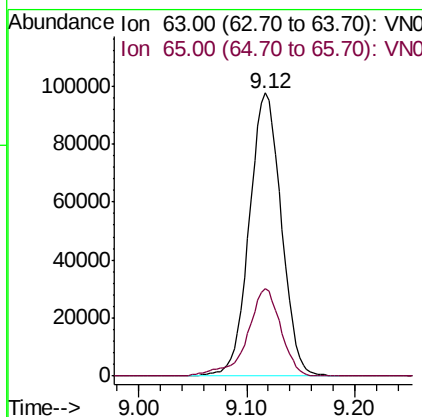
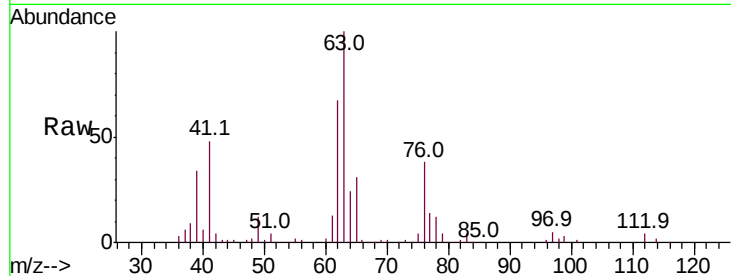
#39
 1,2-Dichloropropane
 Concen: 48.657 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN056888.D
 Acq: 23 Jul 2019 19:52

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.9	24.6	36.8

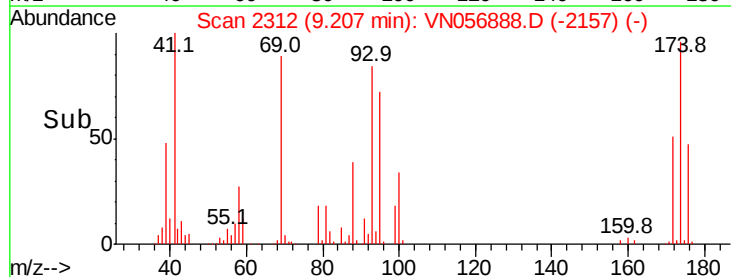
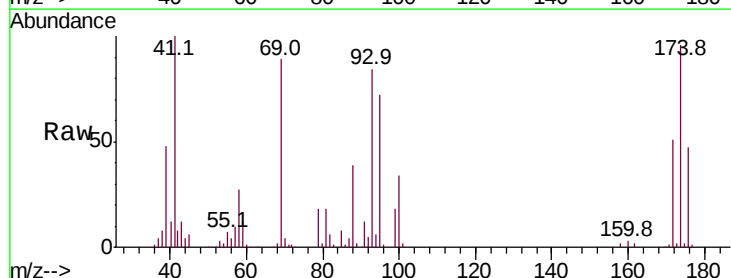
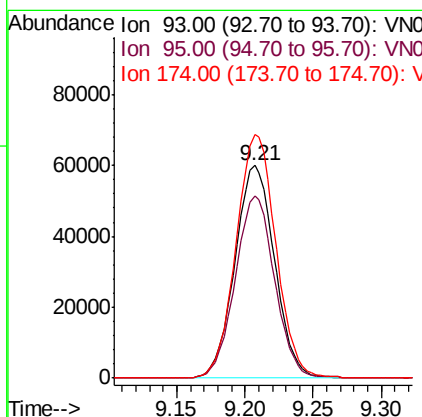
Manual Integrations
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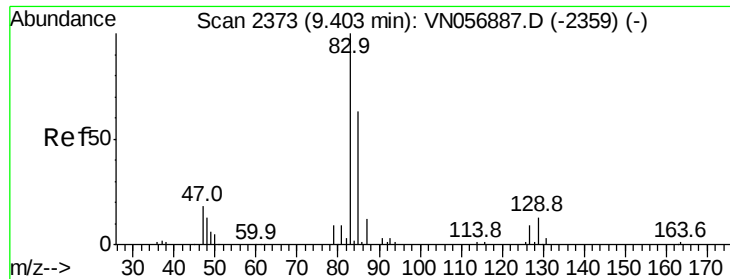
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#40
 Dibromomethane
 Concen: 46.304 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN056888.D
 Acq: 23 Jul 2019 19:52

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.8	0.0	165.8
174	115.1	0.0	232.4





#41

Bromodichloromethane

Concen: 49.120 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN056888.D

Acq: 23 Jul 2019 19:52

Instrument :

MSVOA_N

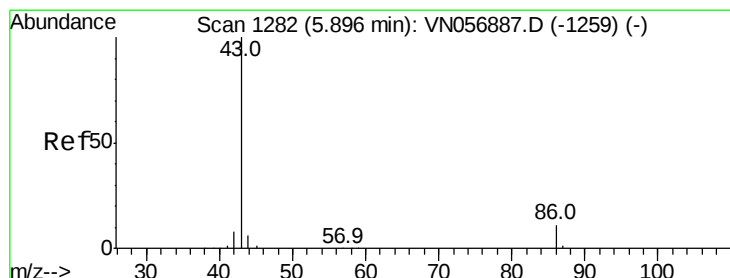
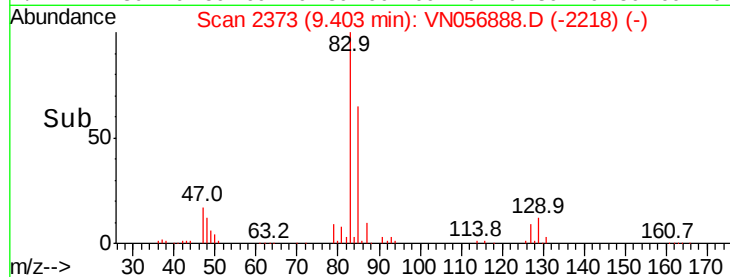
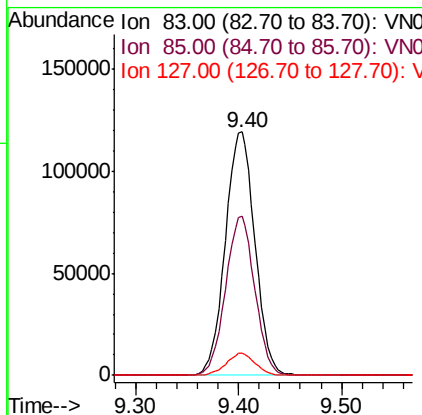
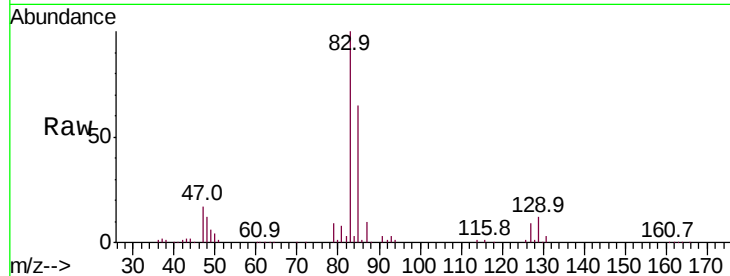
ClientSampleId :

VSTDIC050

Tot Ion:	83	Resp:	238694
Ion	Ratio	Lower	Upper
83	100		
85	65.2	50.6	75.8
127	9.3	7.2	10.8

Manual Integrations
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#42

Vinyl Acetate

Concen: 230.244 ug/l

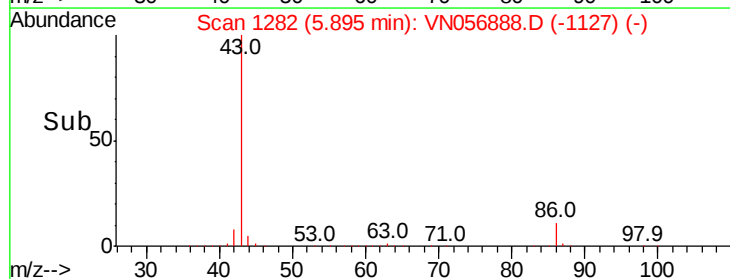
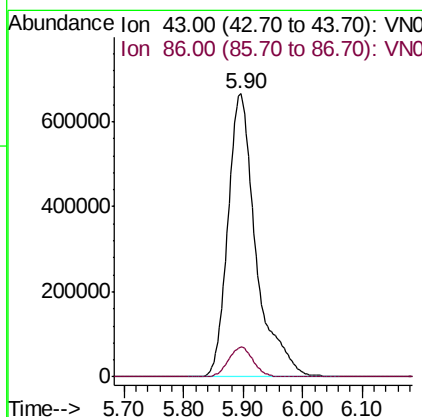
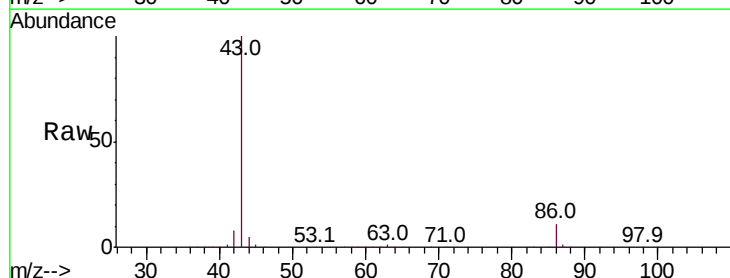
RT: 5.90 min Scan# 1282

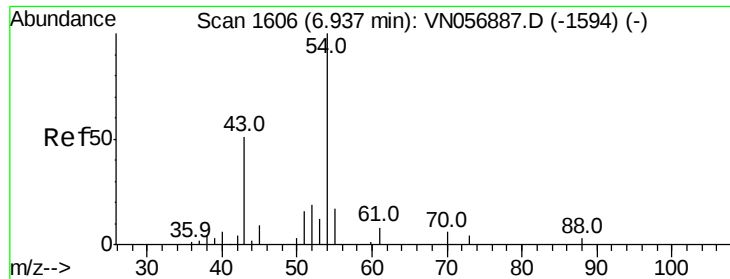
Delta R.T. -0.00 min

Lab File: VN056888.D

Acq: 23 Jul 2019 19:52

Tgt Ion:	43	Resp:	2187708
Ion	Ratio	Lower	Upper
43	100		
86	9.3	7.4	11.2





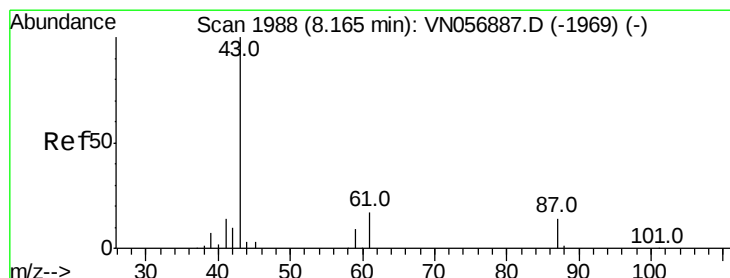
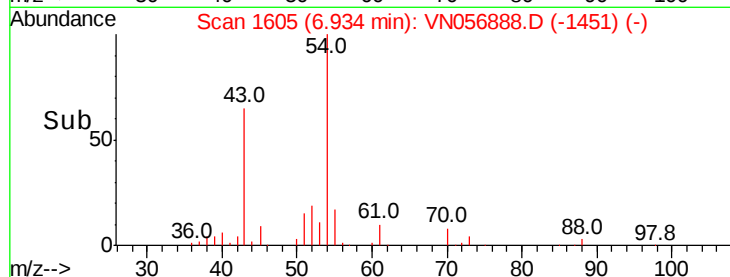
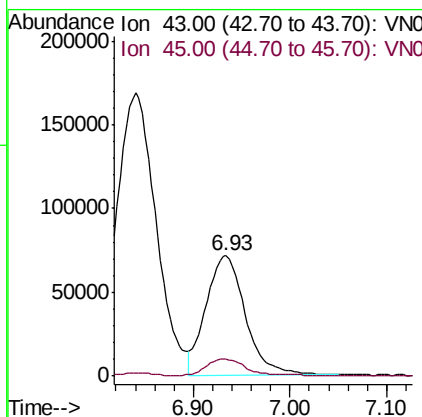
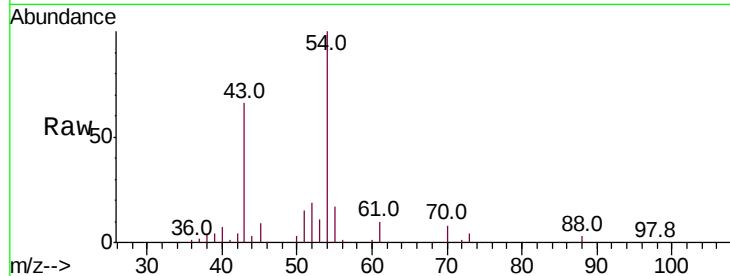
#43
Ethyl Acetate
Concen: 40.244 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN056888.D
Acq: 23 Jul 2019 19:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion: 43 Resp: 201886
Ion Ratio Lower Upper
43 100
45 13.4 10.2 15.2

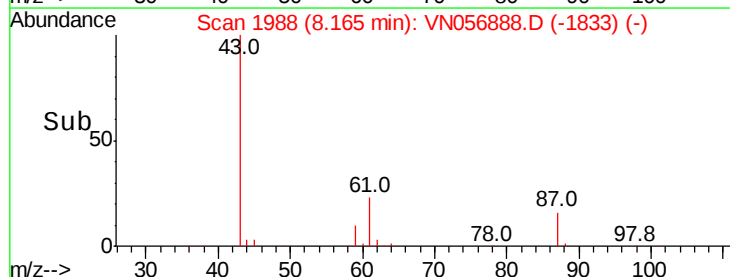
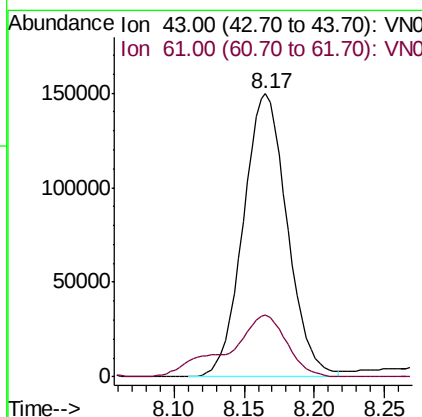
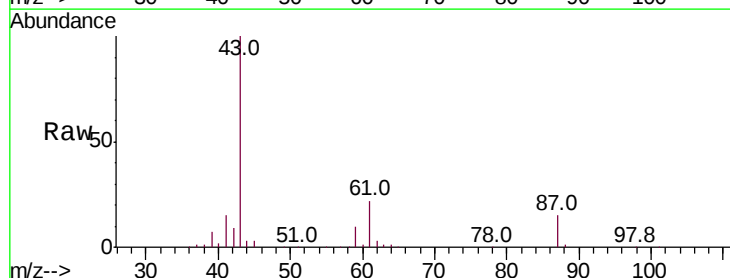
Manual Integrations
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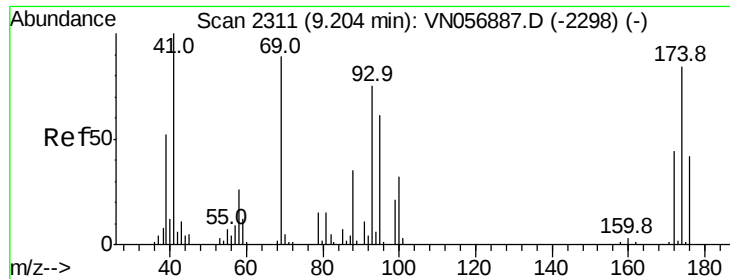
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#44
Isopropyl Acetate
Concen: 40.563 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VN056888.D
Acq: 23 Jul 2019 19:52

Tgt Ion: 43 Resp: 324222
Ion Ratio Lower Upper
43 100
61 22.2 23.0 34.4#





#45

1,4-Dioxane

Concen: 818.310 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN056888.D

Acq: 23 Jul 2019 19:52

Instrument :

MSVOA_N

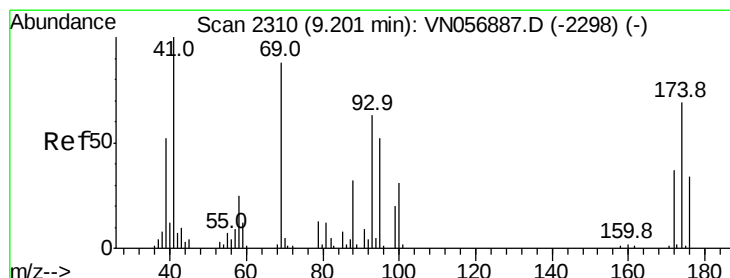
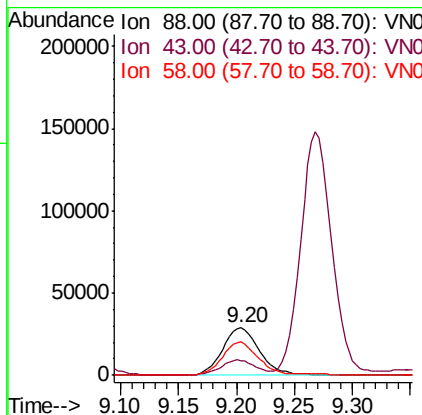
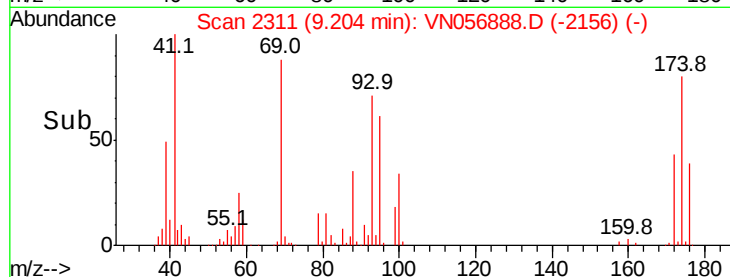
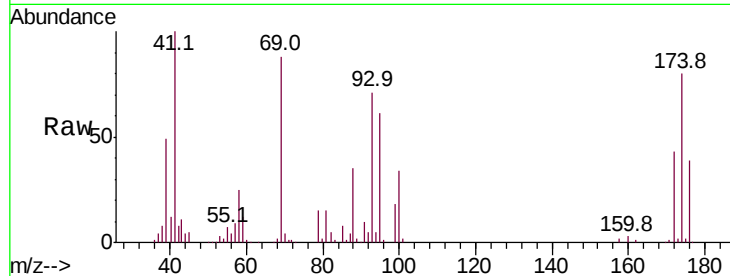
ClientSampleId :

VSTDIC050

Tot Ion:	88	Resp:	64596
Ion	Ratio	Lower	Upper
88	100		
43	28.2	23.4	35.0
58	67.9	58.5	87.7

Manual Integrations
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#46

Methyl methacrylate

Concen: 43.051 ug/l

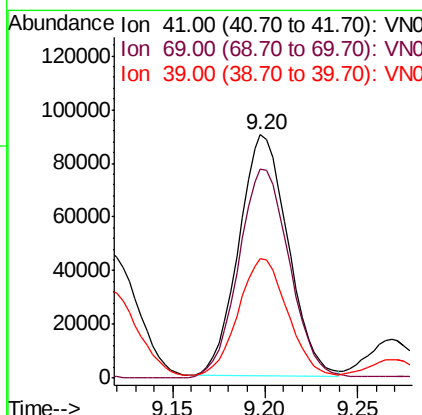
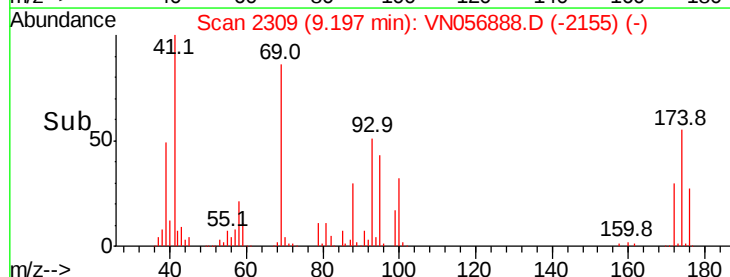
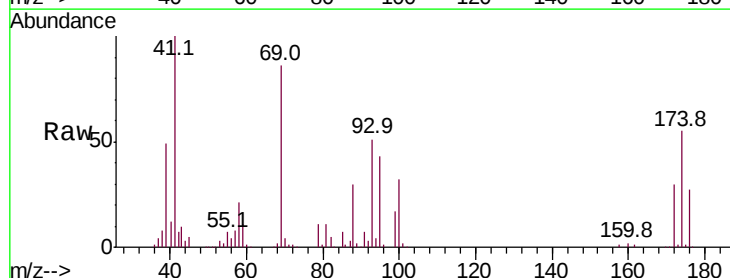
RT: 9.20 min Scan# 2309

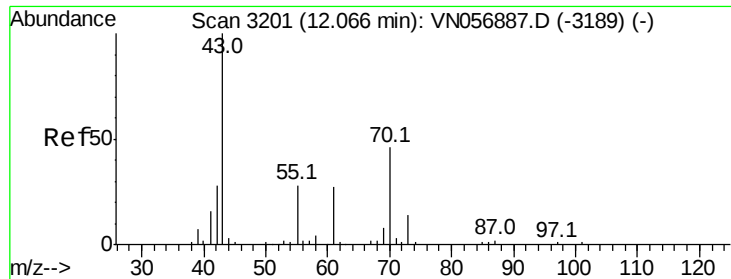
Delta R.T. -0.00 min

Lab File: VN056888.D

Acq: 23 Jul 2019 19:52

Tgt Ion:	41	Resp:	164891
Ion	Ratio	Lower	Upper
41	100		
69	86.6	44.0	132.0
39	48.8	25.8	77.4





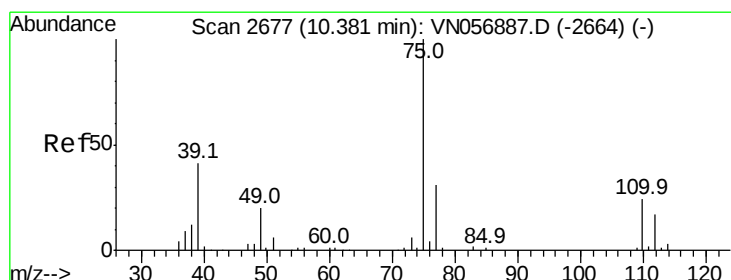
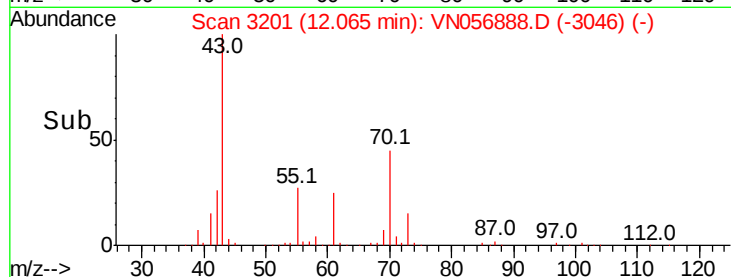
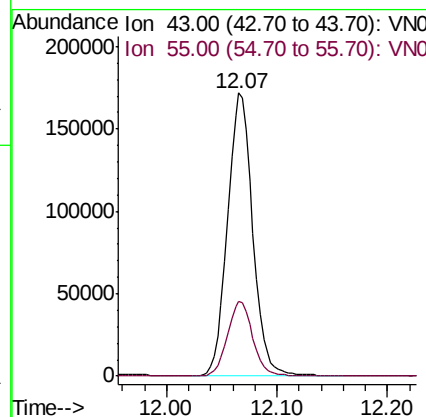
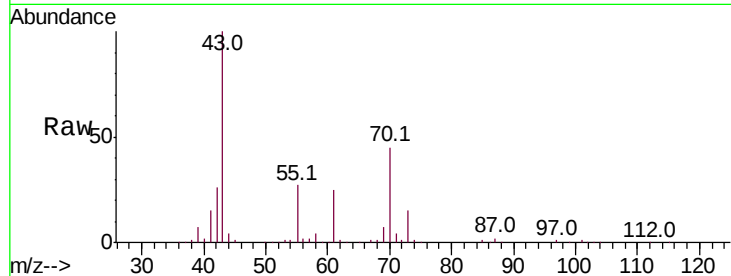
#47
n-amvl Acetate
Concen: 41.839 ug/l
RT: 12.07 min Scan# 3201
Delta R.T. -0.00 min
Lab File: VN056888.D
Acq: 23 Jul 2019 19:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
43	100		
55	26.5	21.3	31.9

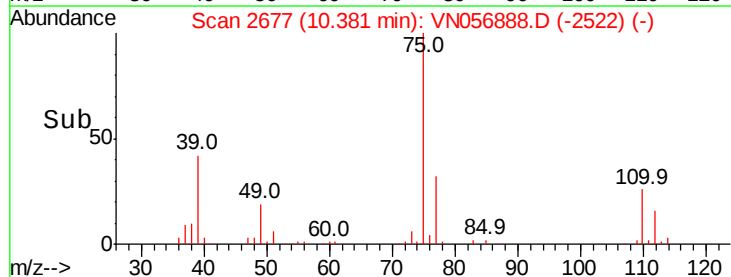
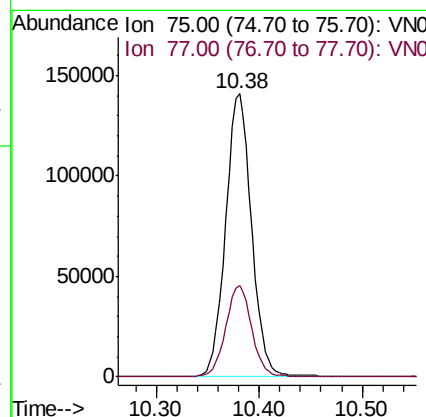
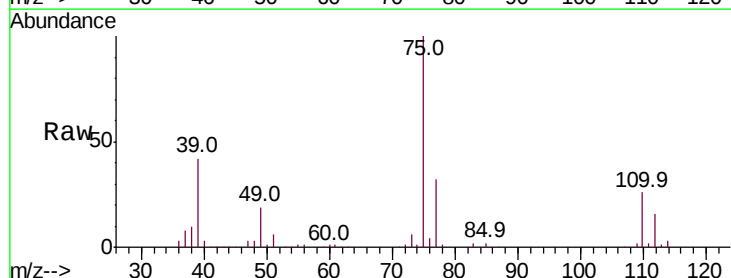
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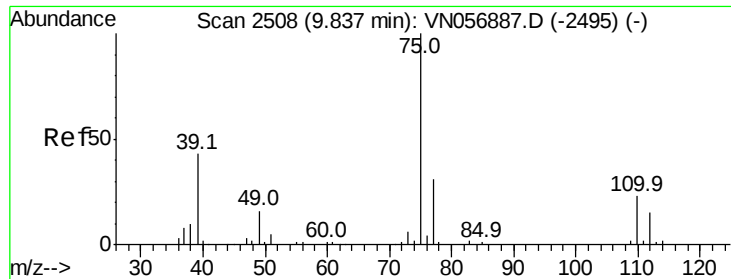
MMDadoda
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#48
t-1,3-Dichloropropene
Concen: 46.466 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN056888.D
Acq: 23 Jul 2019 19:52

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.4	38.0





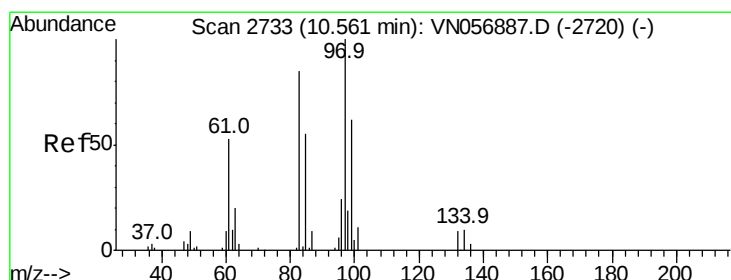
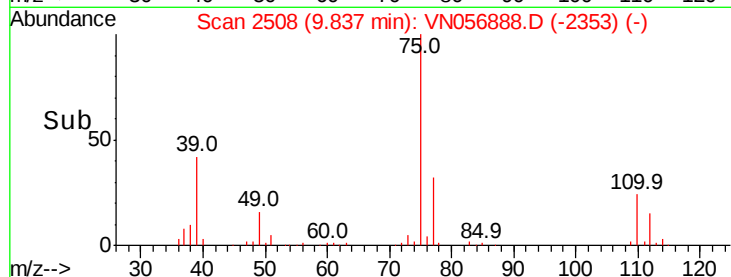
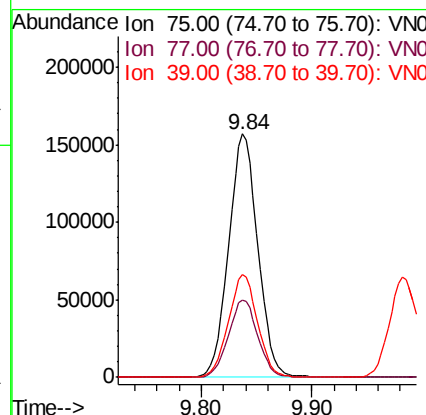
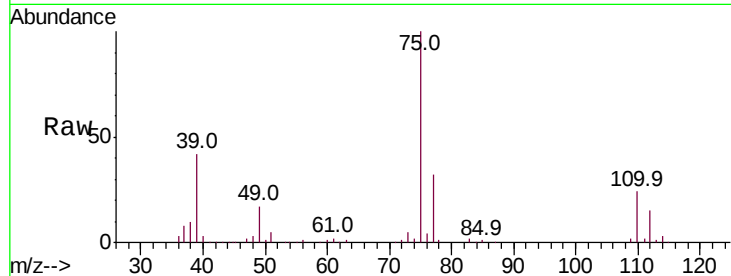
#49
 cis-1,3-Dichloropropene
 Concen: 47.830 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. -0.00 min
 Lab File: VN056888.D
 Acq: 23 Jul 2019 19:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	24.4	36.6
39	41.9	34.2	51.4

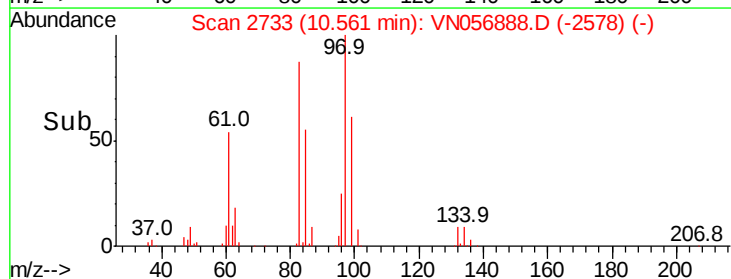
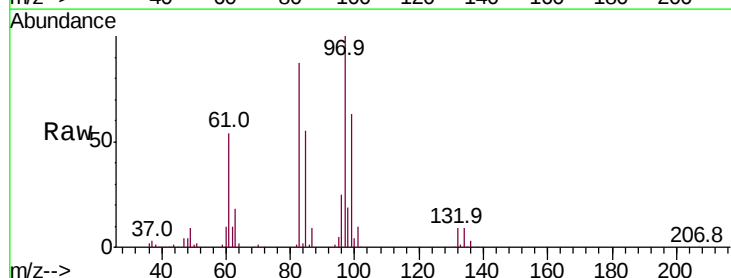
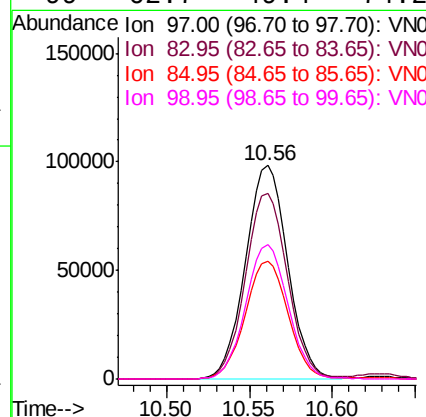
Manual Integrations
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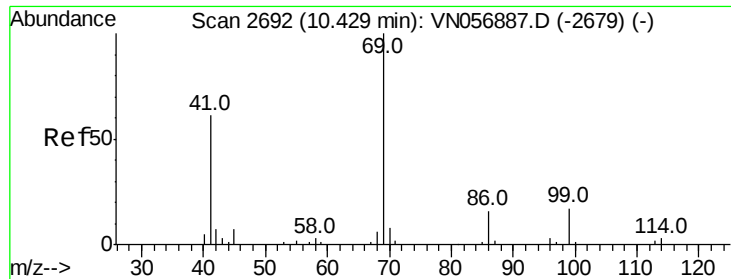
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#50
 1,1,2-Trichloroethane
 Concen: 45.689 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN056888.D
 Acq: 23 Jul 2019 19:52

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.9	68.4	102.6
85	54.9	44.3	66.5
99	62.7	49.4	74.2





#51

Ethyl methacrylate

Concen: 44.541 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN056888.D

Acq: 23 Jul 2019 19:52

Instrument :

MSVOA_N

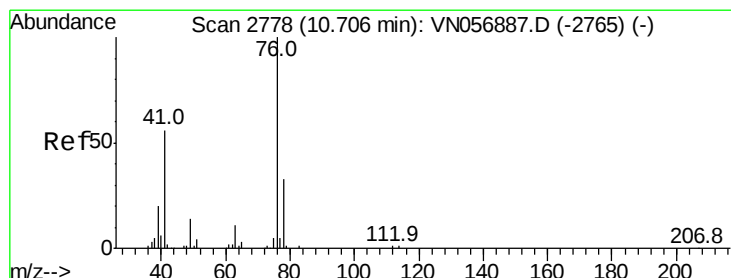
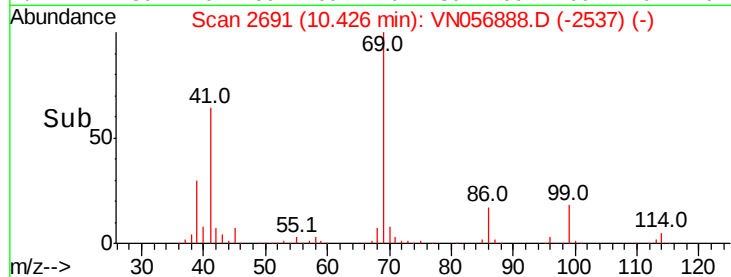
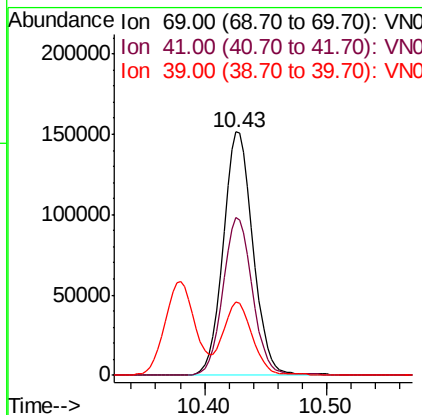
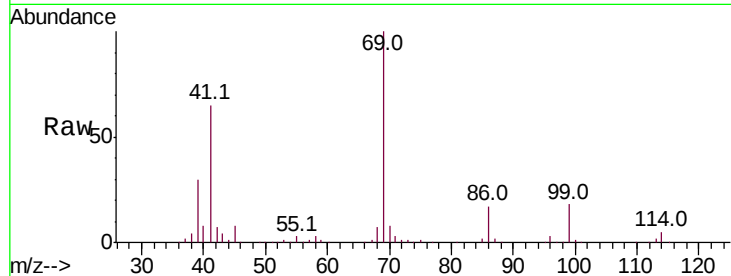
ClientSampled :

VSTDIC050

Tot Ion:	69	Resp:	258944
Ion Ratio	Lower	Upper	
69	100		
41	64.4	30.4	91.3
39	29.9	14.2	42.6

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#52

1,3-Dichloropropane

Concen: 46.536 ug/l

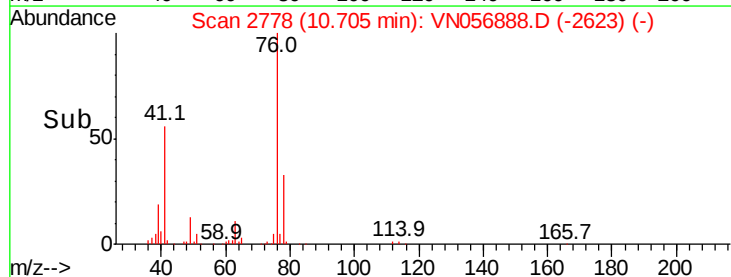
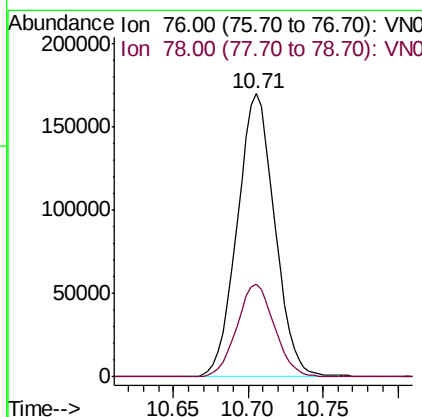
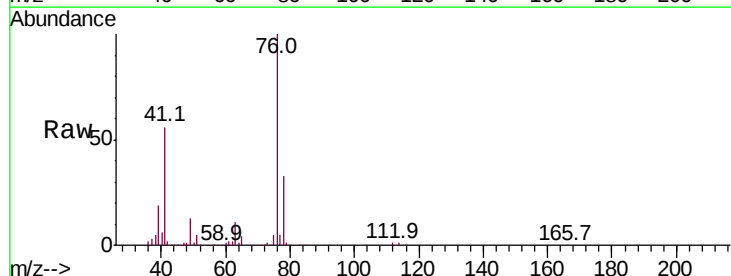
RT: 10.71 min Scan# 2778

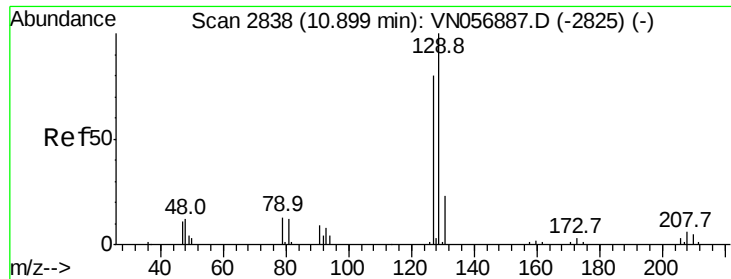
Delta R.T. -0.00 min

Lab File: VN056888.D

Acq: 23 Jul 2019 19:52

Tgt Ion:	76	Resp:	296359
Ion Ratio	Lower	Upper	
76	100		
78	32.9	0.0	64.2





#53

Dibromochloromethane

Concen: 47.619 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN056888.D

Acq: 23 Jul 2019 19:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion:129 Resp: 184835

Ion Ratio Lower Upper

129 100

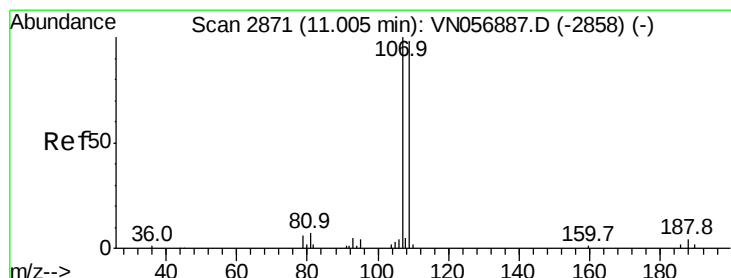
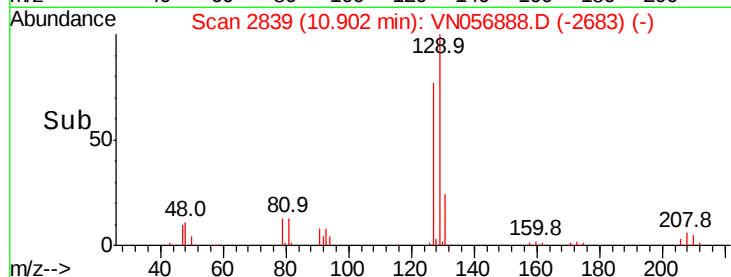
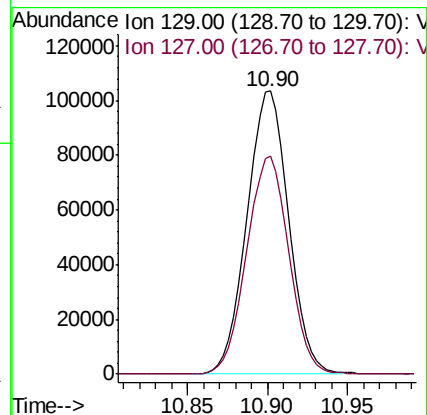
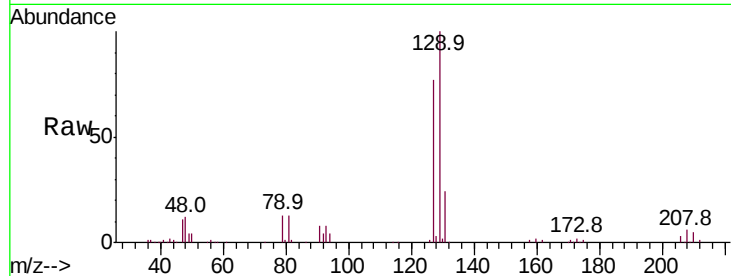
127 77.7 38.8 116.4

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#54

1,2-Dibromoethane

Concen: 45.580 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN056888.D

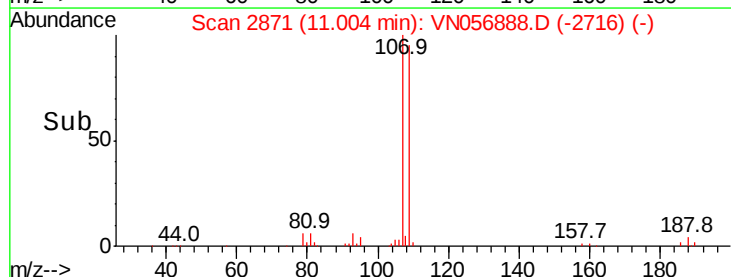
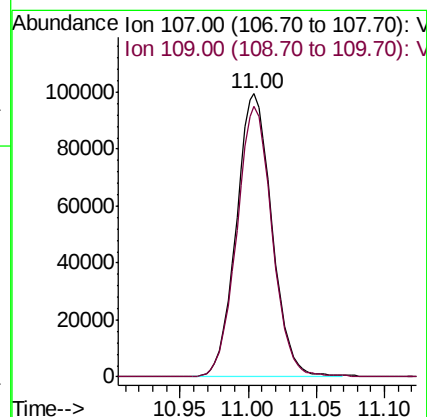
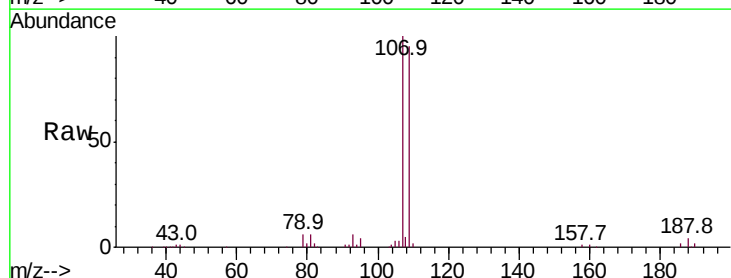
Acq: 23 Jul 2019 19:52

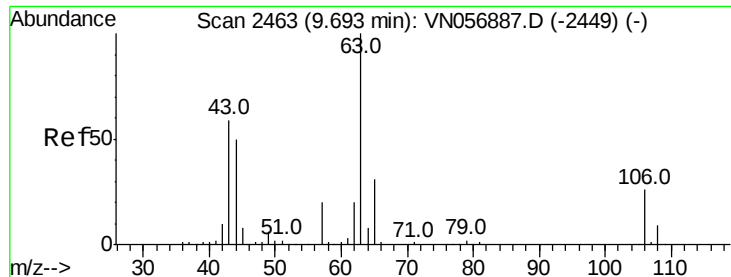
Tgt Ion:107 Resp: 180257

Ion Ratio Lower Upper

107 100

109 94.9 76.2 114.2





#55

2-Chloroethyl vinyl ether

Concen: 205.049 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN056888.D

Acq: 23 Jul 2019 19:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 63 Resp: 567216

Ion Ratio Lower Upper

63 100

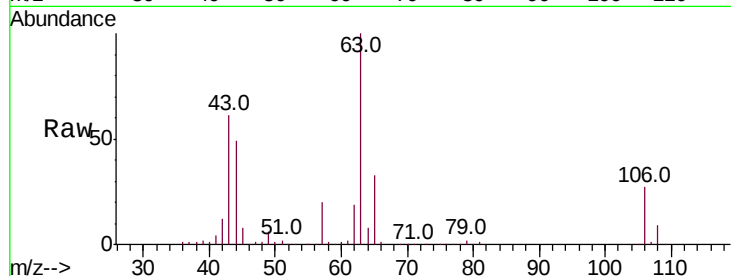
65 32.5 25.1 37.7

106 27.0 21.5 32.3

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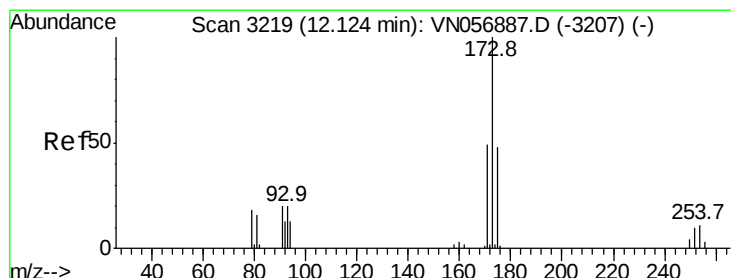
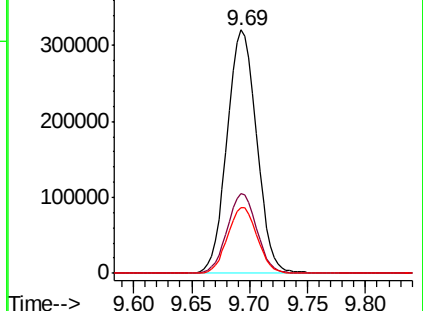
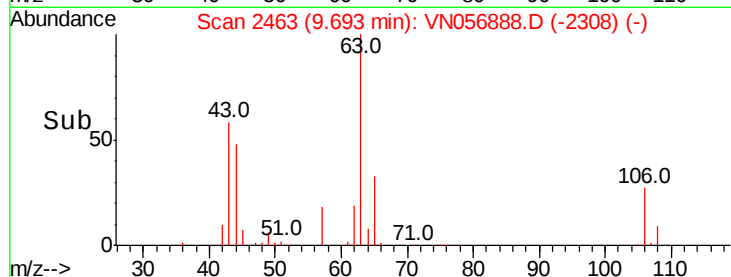


Abundance Ion 63.00 (62.70 to 63.70): VN056887.D (-2449) (-)

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

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

Time-->



#56

Bromoform

Concen: 46.059 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN056888.D

Acq: 23 Jul 2019 19:52

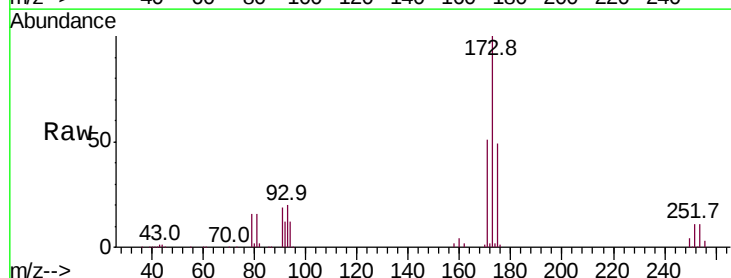
Tgt Ion: 173 Resp: 130942

Ion Ratio Lower Upper

173 100

175 48.1 38.8 58.2

254 10.2 8.1 12.1

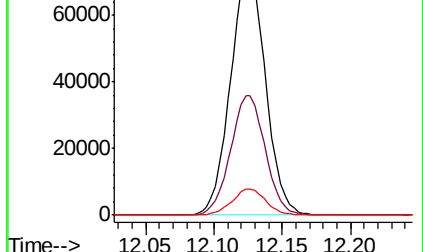
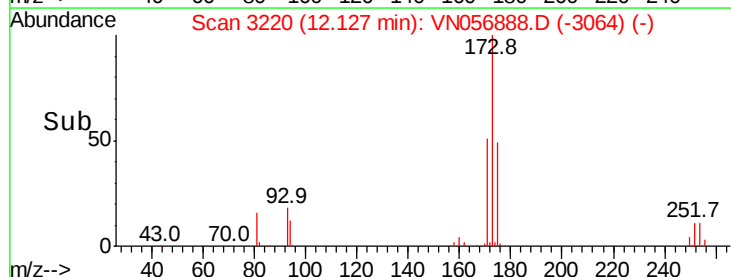


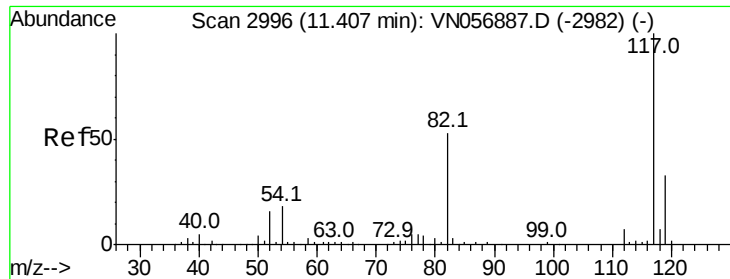
Abundance Ion 173.00 (172.70 to 173.70): VN056887.D (-3207) (-)

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

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

Time-->





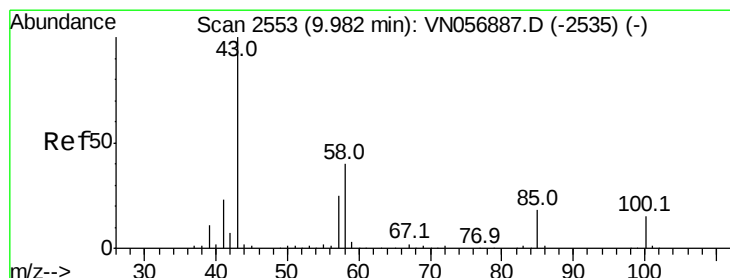
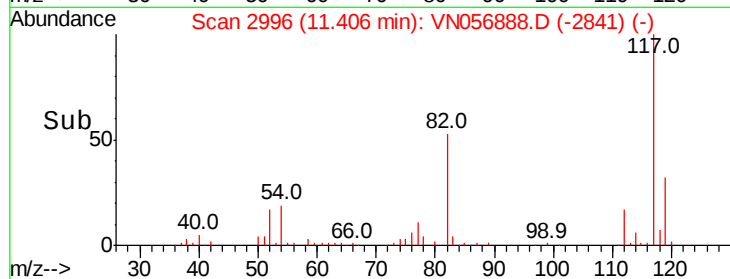
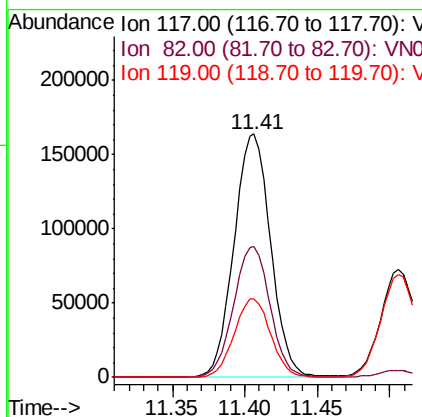
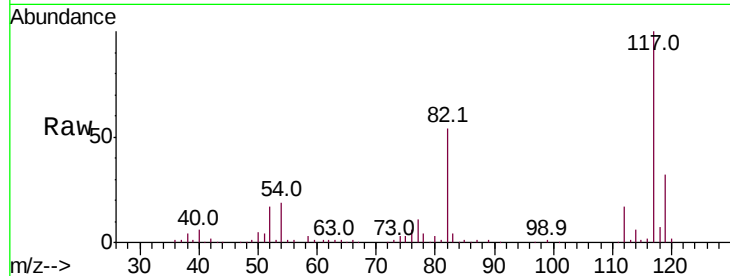
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056888.D
Acq: 23 Jul 2019 19:52

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion:	117	Resp:	288294
Ion Ratio	Lower	Upper	
117	100		
82	53.7	43.0	64.4
119	32.1	26.2	39.2

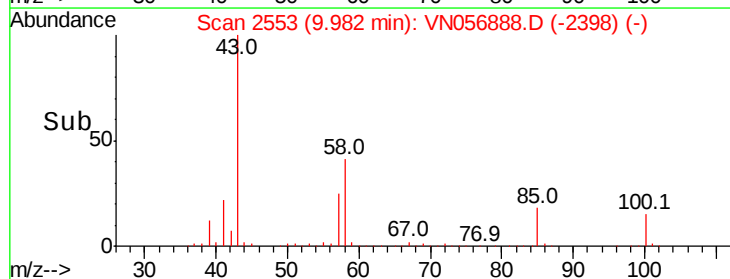
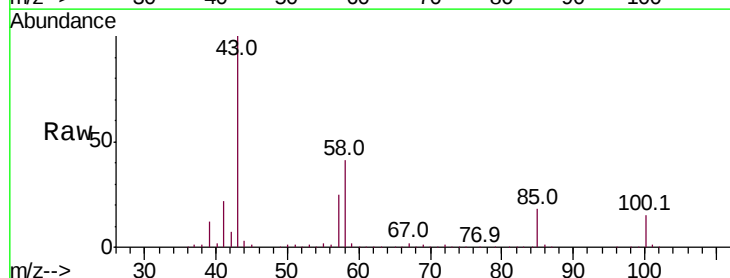
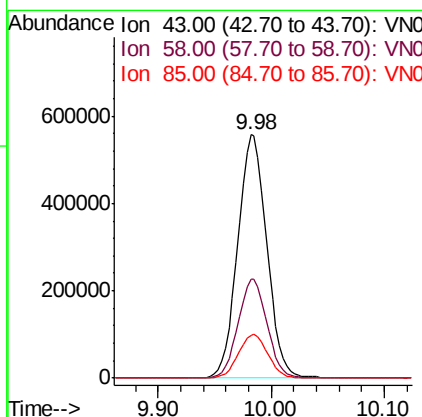
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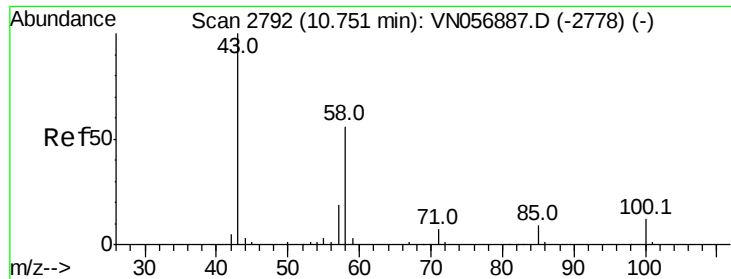
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 194.525 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN056888.D
Acq: 23 Jul 2019 19:52

Tgt Ion:	43	Resp:	996450
Ion Ratio	Lower	Upper	
43	100		
58	40.6	31.7	47.5
85	18.2	14.5	21.7





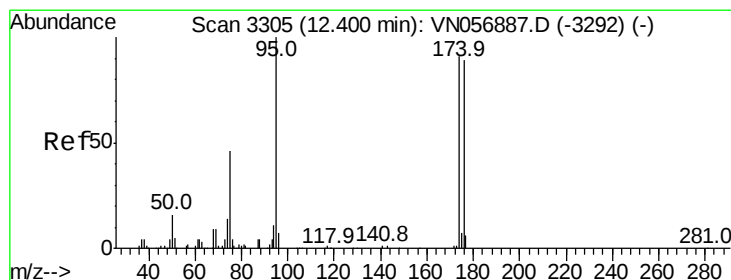
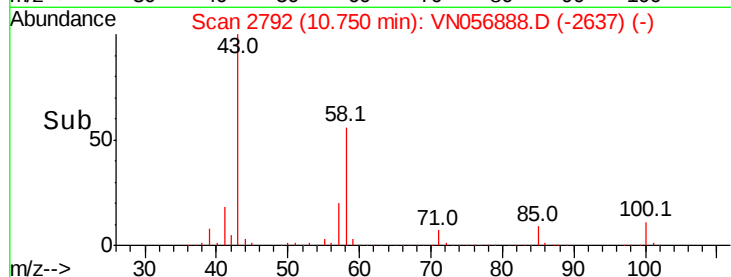
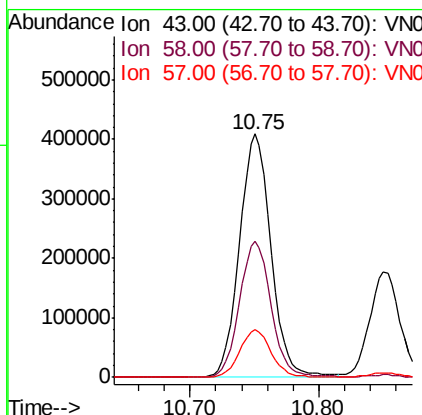
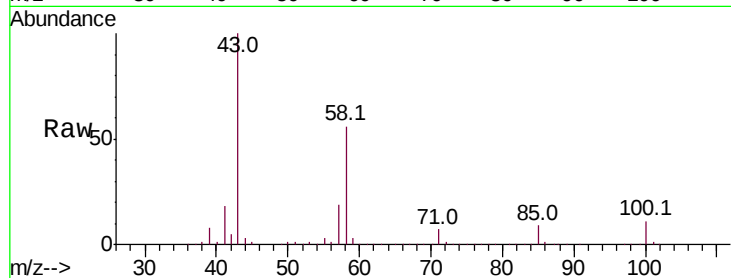
#59
2-Hexanone
Concen: 183.659 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN056888.D
Acq: 23 Jul 2019 19:52

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.0	45.0	67.4
57	19.6	15.4	23.0

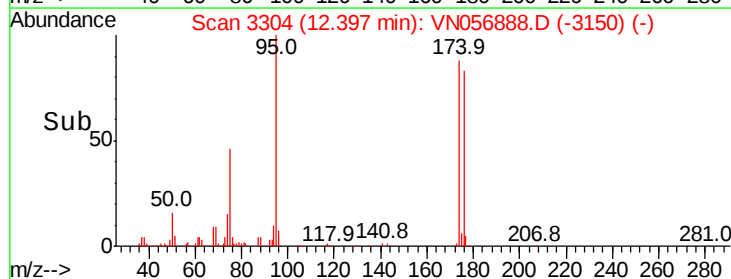
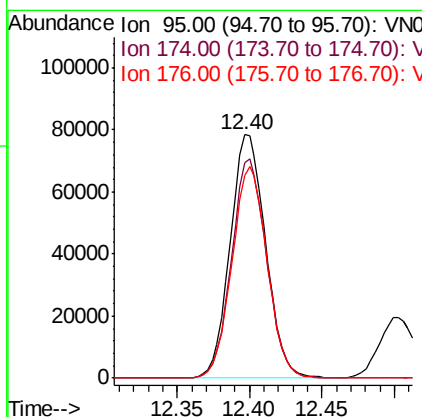
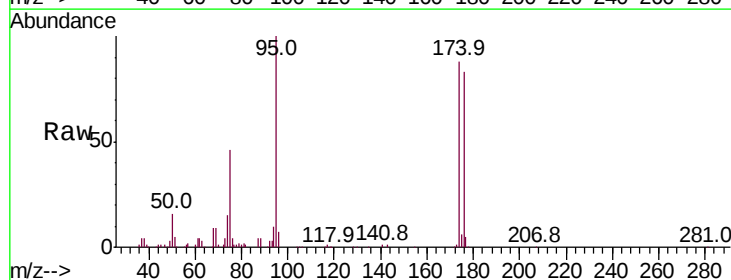
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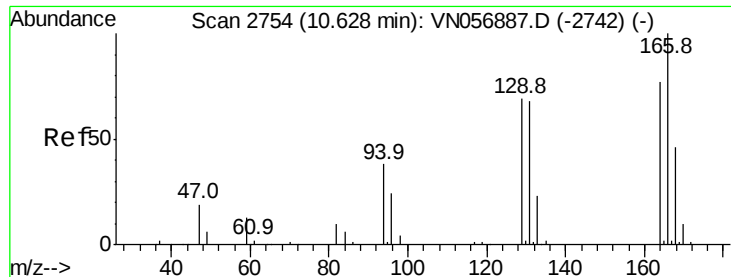
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#60
4-Bromofluorobenzene
Concen: 30.406 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN056888.D
Acq: 23 Jul 2019 19:52

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.0	71.9	107.9
176	86.1	69.8	104.8





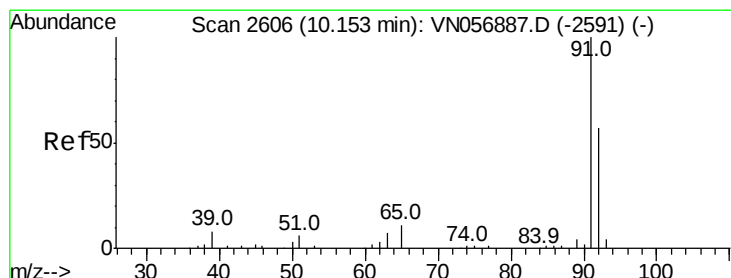
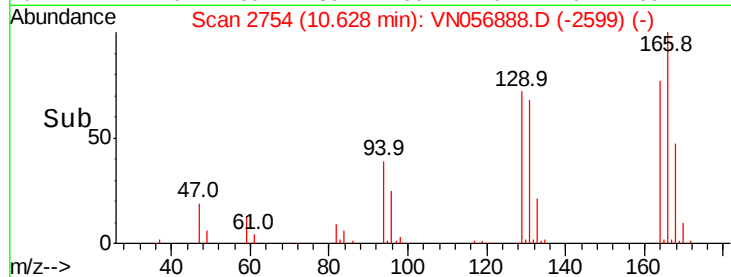
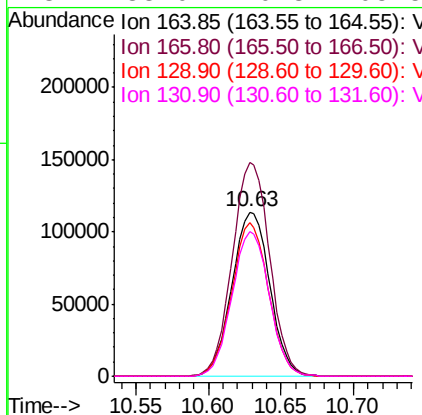
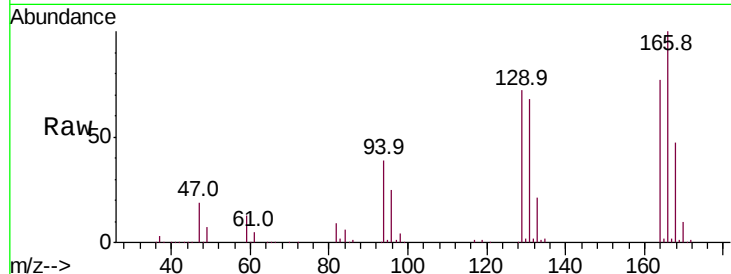
#61
Tetrachloroethene
Concen: 50.068 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN056888.D
Acq: 23 Jul 2019 19:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
164	100		
166	129.8	103.9	155.9
129	93.7	72.4	108.6
131	88.0	70.3	105.5

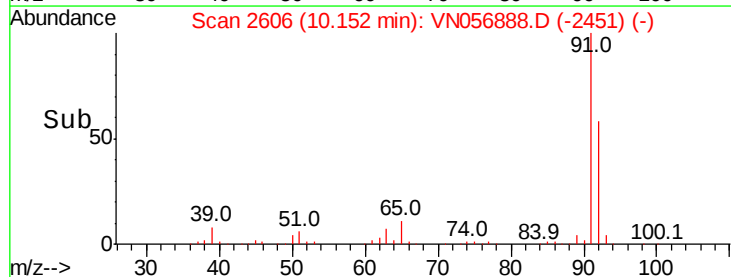
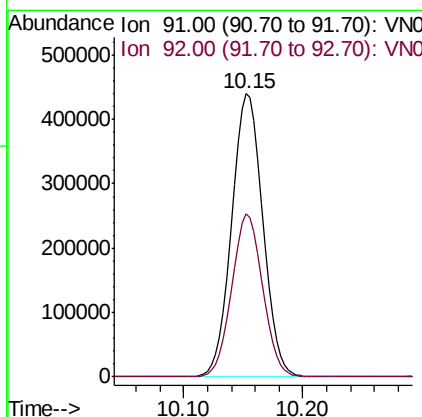
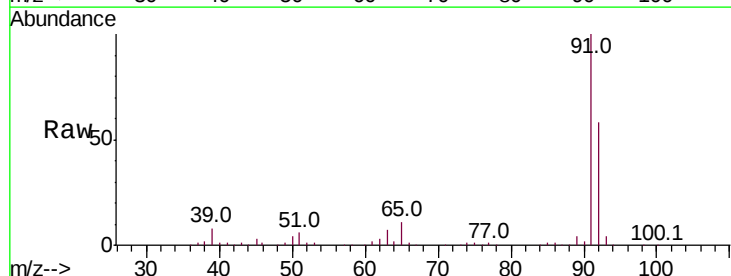
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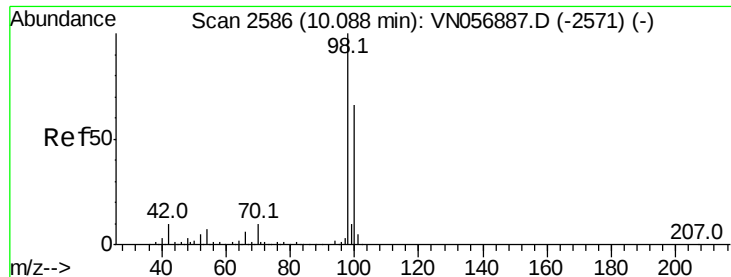
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#62
Toluene
Concen: 48.199 ug/l
RT: 10.15 min Scan# 2606
Delta R.T. -0.00 min
Lab File: VN056888.D
Acq: 23 Jul 2019 19:52

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.0	46.1	69.1





#63

Toluene-d8

Concen: 30.677 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN056888.D

Acq: 23 Jul 2019 19:52

Instrument :

MSVOA_N

ClientSampled :

VSTDIC050

Tot Ion: 98 Resp: 406963

Ion Ratio Lower Upper

98 100

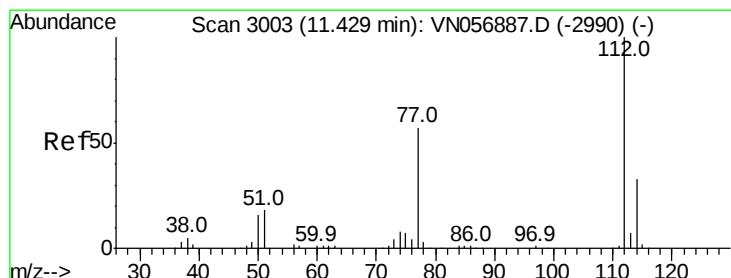
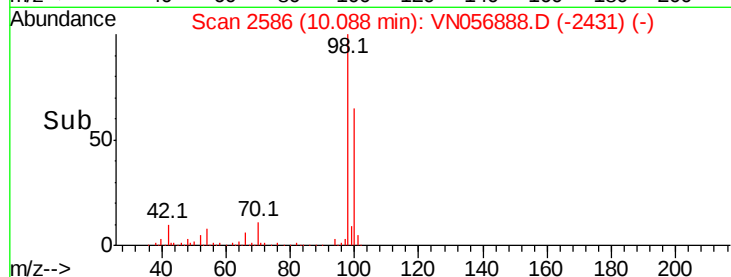
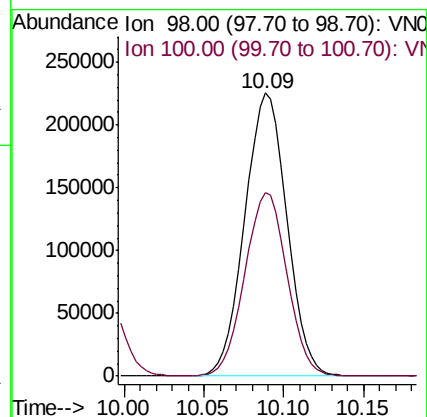
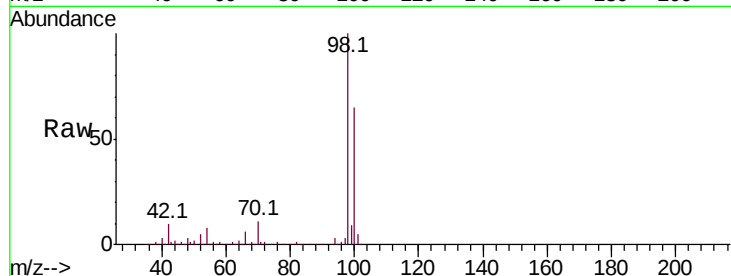
100 65.0 51.4 77.2

Manual Integrations

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#64

Chlorobenzene

Concen: 47.758 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN056888.D

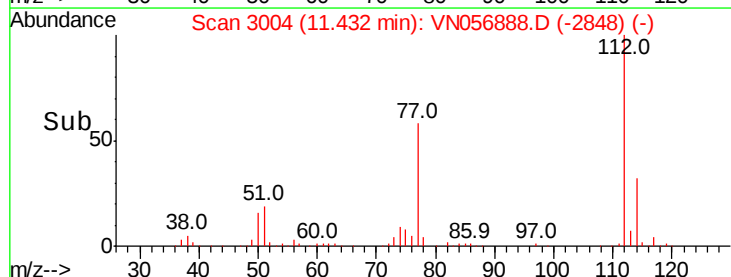
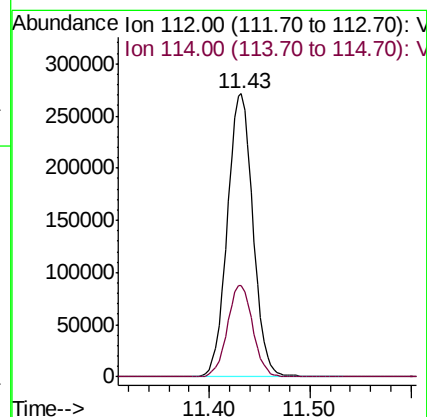
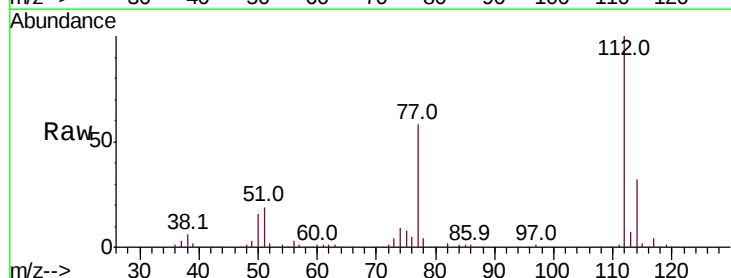
Acq: 23 Jul 2019 19:52

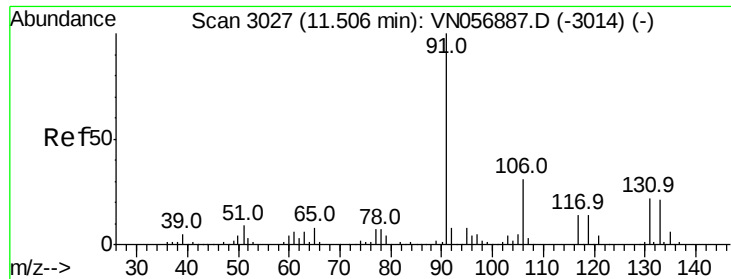
Tgt Ion: 112 Resp: 482588

Ion Ratio Lower Upper

112 100

114 32.2 26.7 40.1





#65

1,1,1,2-Tetrachloroethane

Concen: 48.519 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN056888.D

Acq: 23 Jul 2019 19:52

Instrument :

MSVOA_N

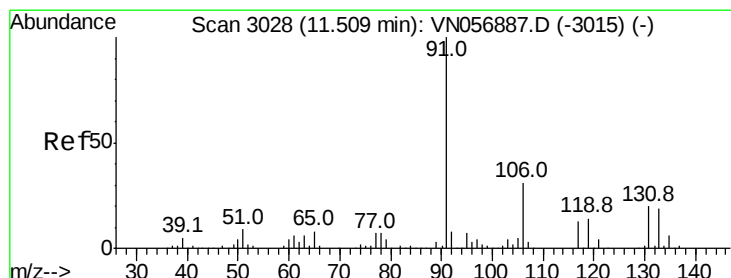
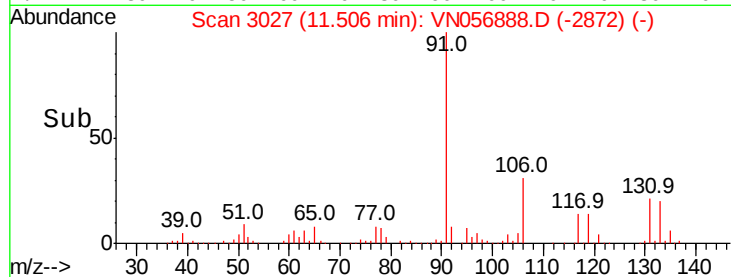
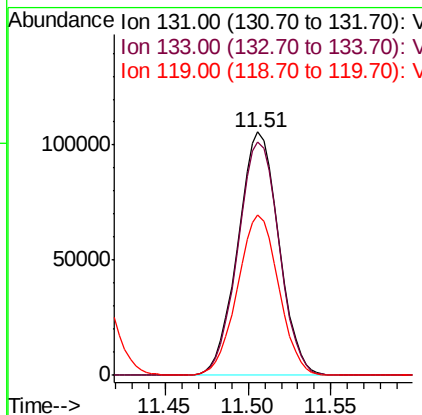
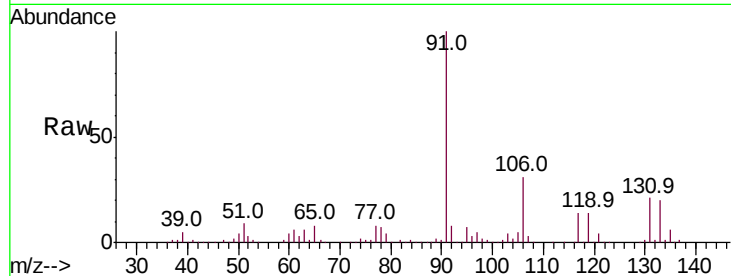
ClientSampled :

VSTDIC050

Tot Ion:	131	Resp:	181326
Ion Ratio	Lower	Upper	
131	100		
133	96.8	0.0	189.6
119	66.2	0.0	133.6

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#66

Ethyl Benzene

Concen: 48.244 ug/l

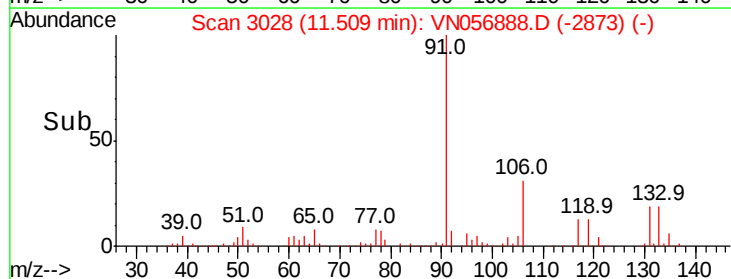
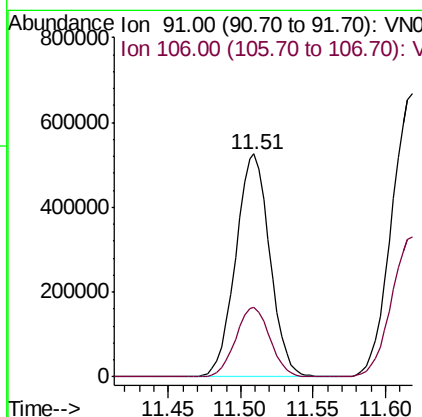
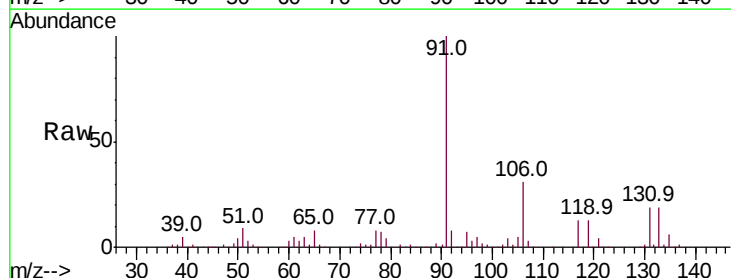
RT: 11.51 min Scan# 3028

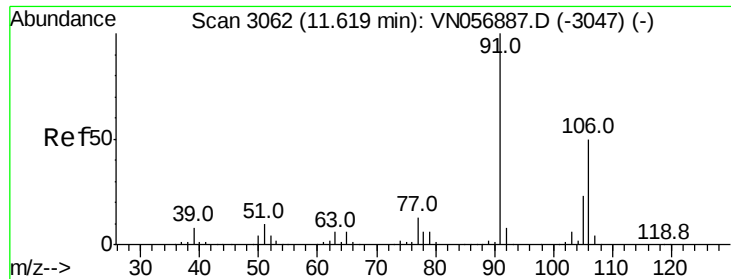
Delta R.T. -0.00 min

Lab File: VN056888.D

Acq: 23 Jul 2019 19:52

Tgt Ion:	91	Resp:	859690
Ion Ratio	Lower	Upper	
91	100		
106	31.2	24.9	37.3





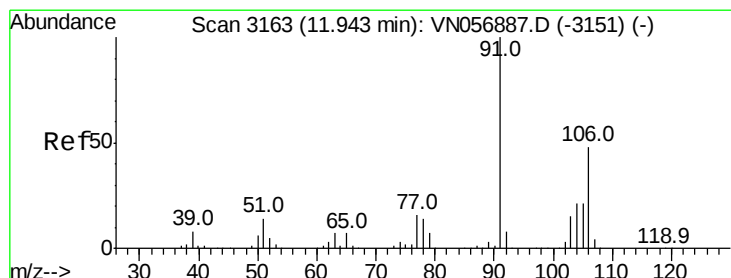
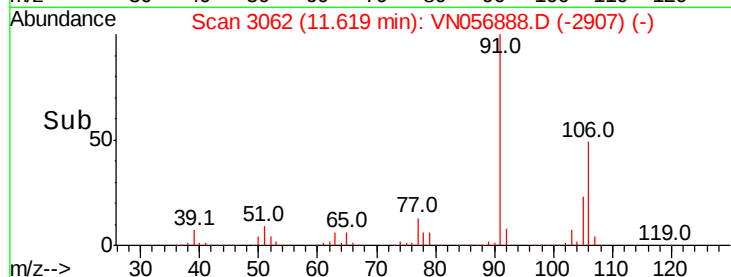
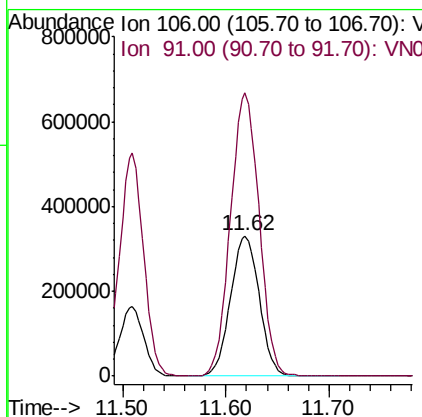
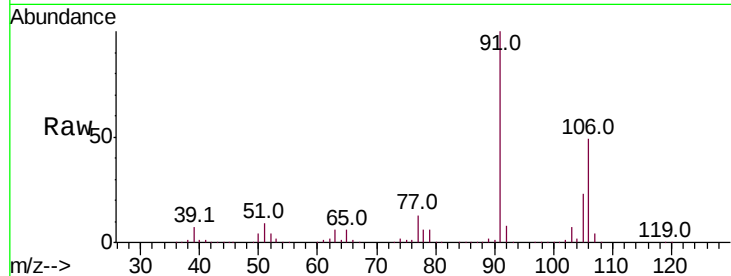
#67
m/p-Xylenes
Concen: 95.932 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056888.D
Acq: 23 Jul 2019 19:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion:106 Resp: 643310
Ion Ratio Lower Upper
106 100
91 201.4 160.6 240.8

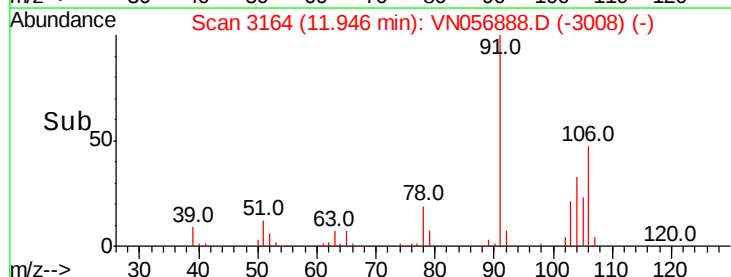
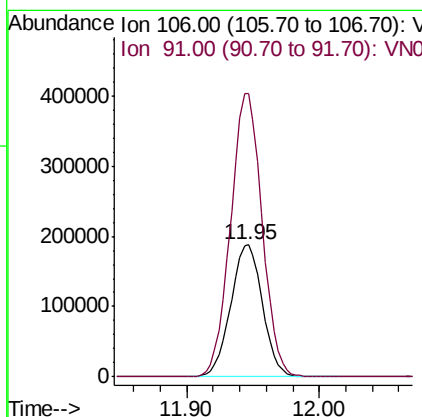
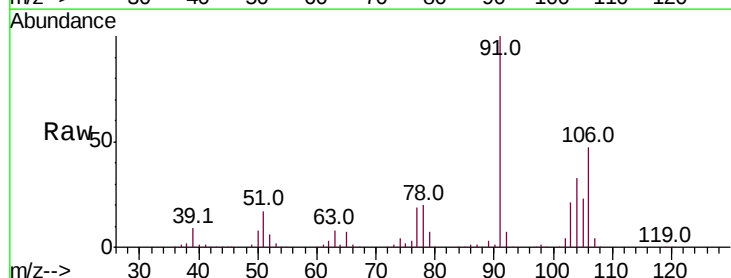
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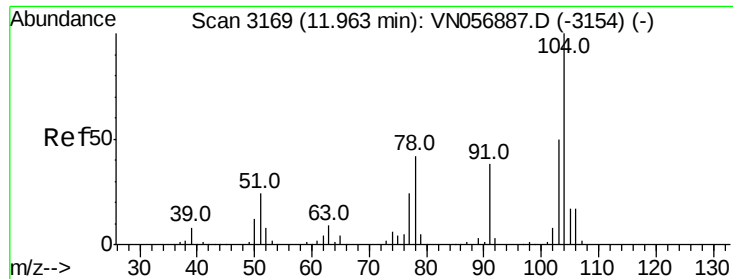
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#68
o-Xylene
Concen: 47.505 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056888.D
Acq: 23 Jul 2019 19:52

Tgt Ion:106 Resp: 312626
Ion Ratio Lower Upper
106 100
91 213.1 106.2 318.6





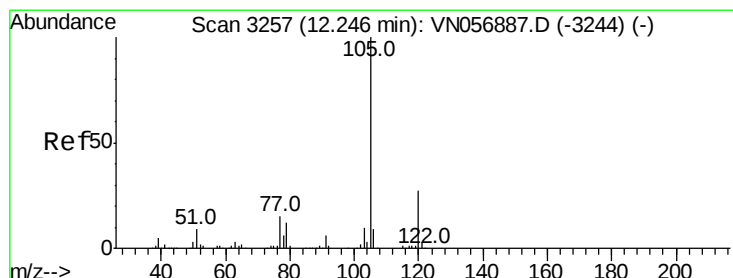
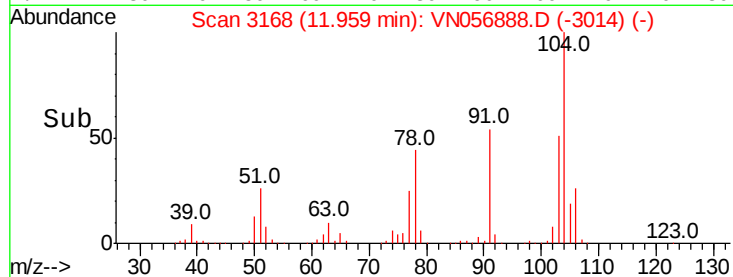
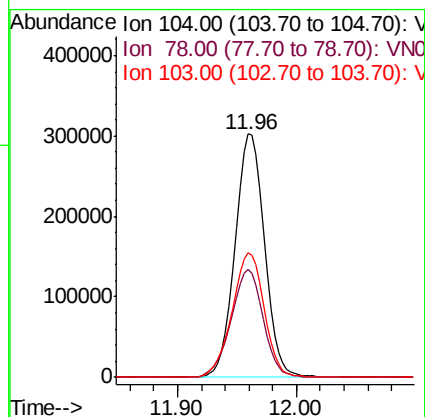
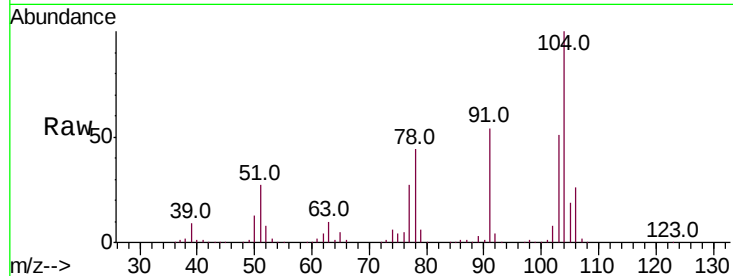
#69
Stvrene
Concen: 48.014 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN056888.D
Acq: 23 Jul 2019 19:52

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.2	38.5	57.7
103	55.7	44.7	67.1

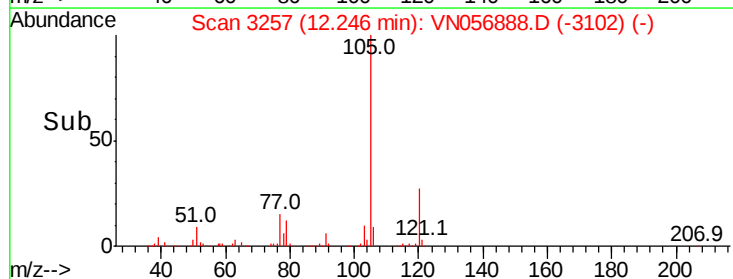
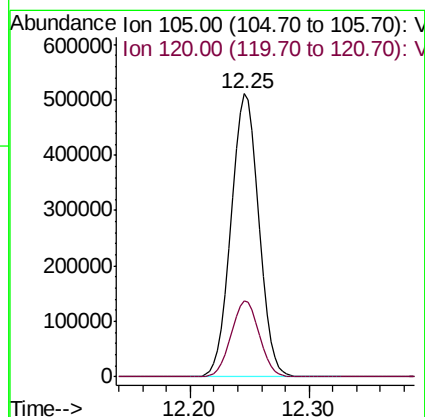
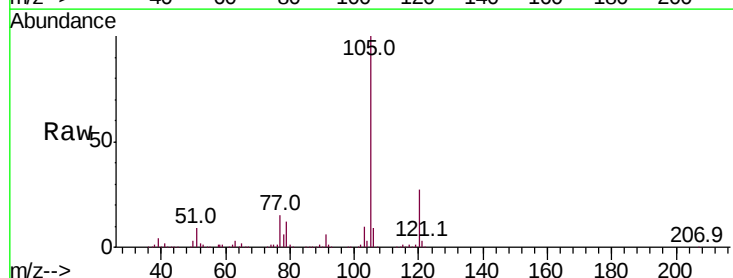
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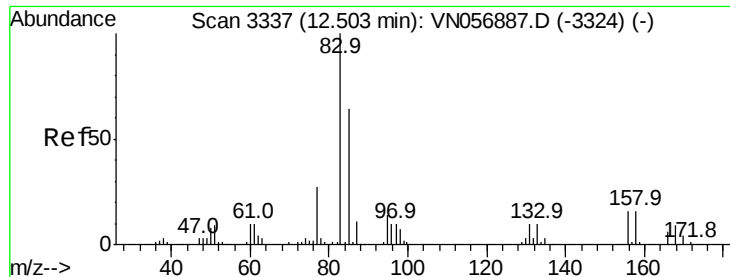
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#70
Isopropylbenzene
Concen: 47.989 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. -0.00 min
Lab File: VN056888.D
Acq: 23 Jul 2019 19:52

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.2	18.7	34.7





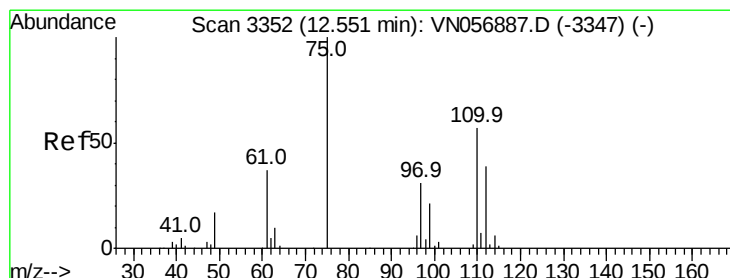
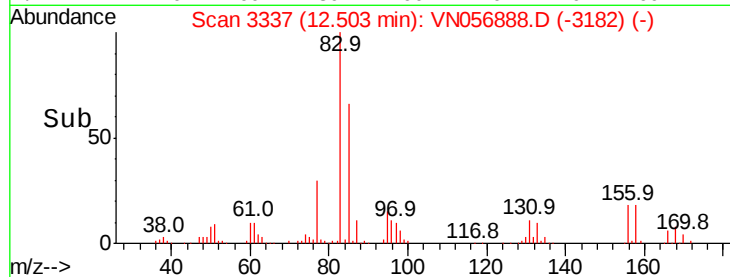
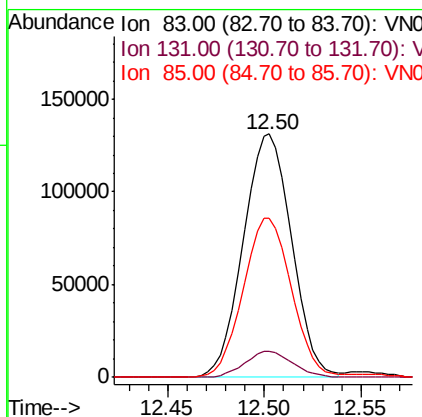
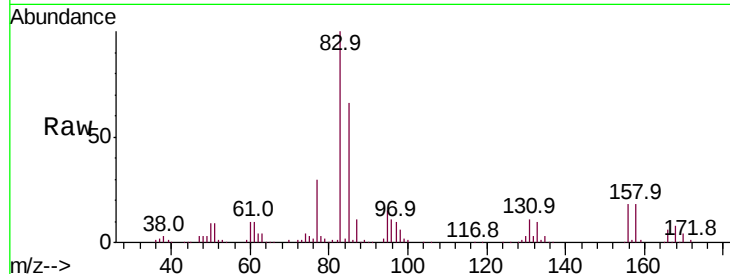
#71
 1,1,2,2-Tetrachloroethane
 Concen: 41.518 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN056888.D
 Acq: 23 Jul 2019 19:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.1	15.2
85	65.3	31.8	95.4

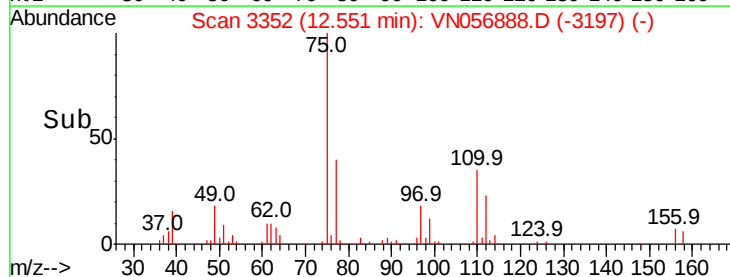
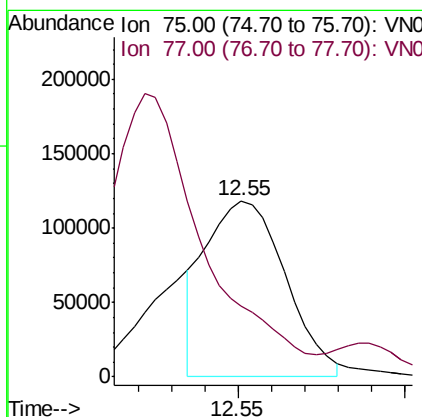
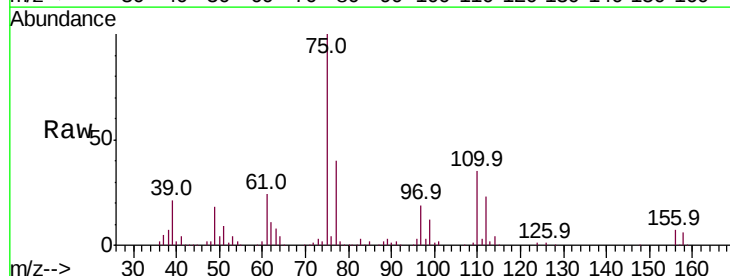
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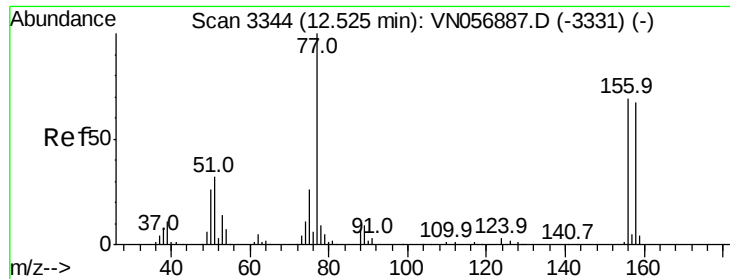
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#72
 1,2,3-Trichloropropane
 Concen: 42.064 ug/l m
 RT: 12.55 min Scan# 3352
 Delta R.T. -0.00 min
 Lab File: VN056888.D
 Acq: 23 Jul 2019 19:52

Tgt Ion	Ratio	Lower	Upper
75	100		
77	199.5	0.0	378.6





#73

Bromobenzene

Concen: 47.273 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN056888.D

Acq: 23 Jul 2019 19:52

Instrument :

MSVOA_N

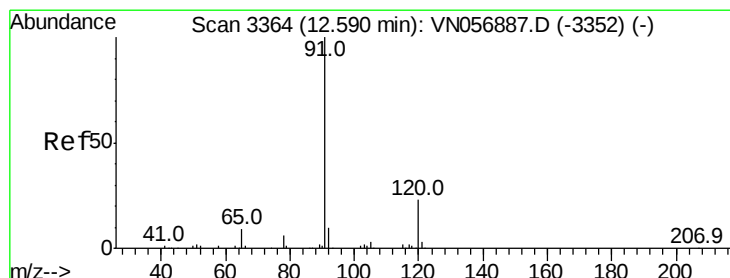
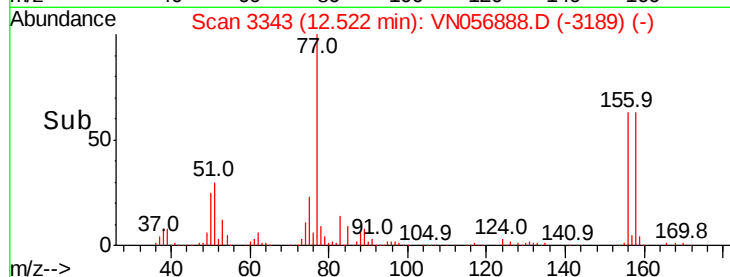
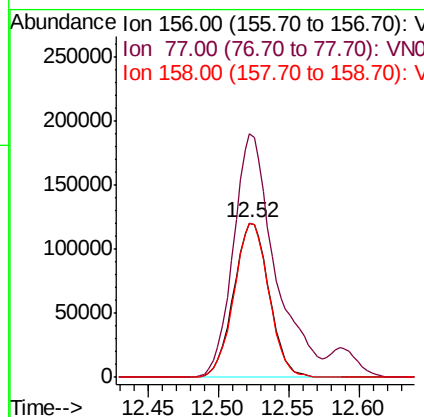
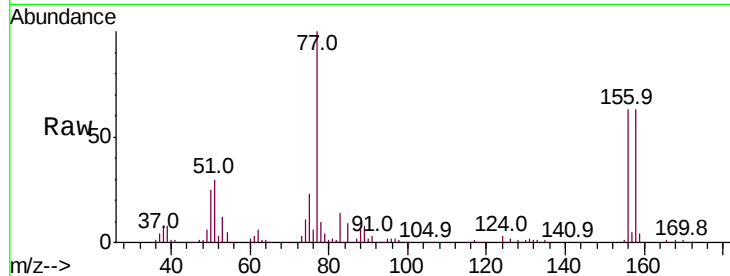
ClientSampleId :

VSTDIC050

Tot Ion:	156	Resp:	212039
Ion Ratio	Lower	Upper	
156	100		
77	184.7	0.0	364.6
158	98.4	0.0	196.2

Manual Integrations
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#74

n-propylbenzene

Concen: 47.881 ug/l

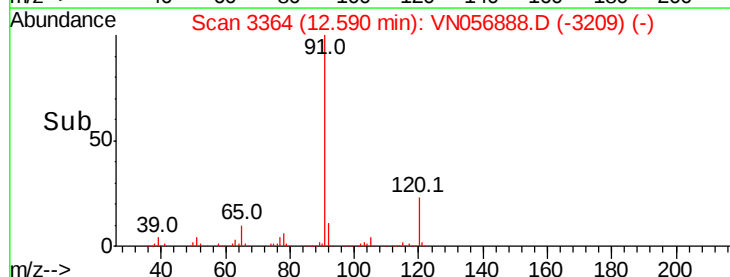
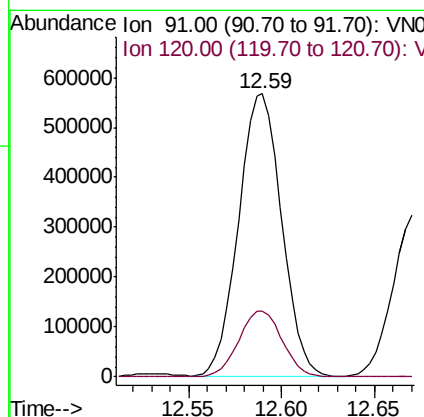
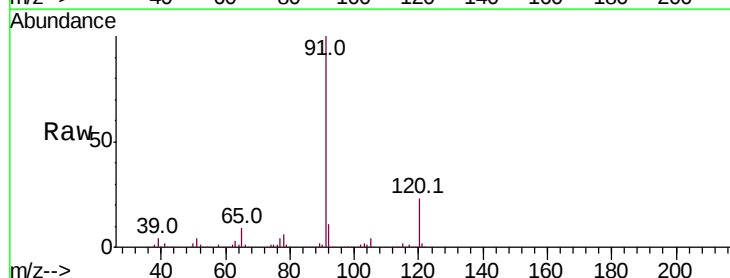
RT: 12.59 min Scan# 3364

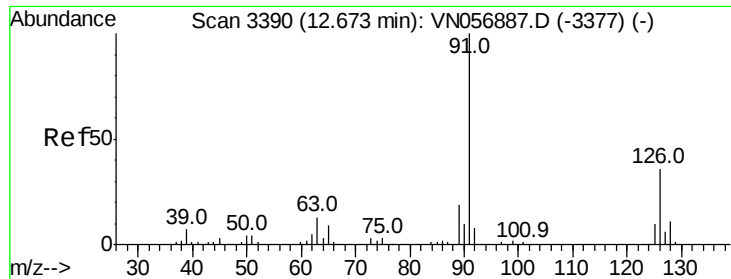
Delta R.T. -0.00 min

Lab File: VN056888.D

Acq: 23 Jul 2019 19:52

Tgt Ion:	91	Resp:	917955
Ion Ratio	Lower	Upper	
91	100		
120	23.5	0.0	46.4





#75

2-Chlorotoluene

Concen: 47.367 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN056888.D

Acq: 23 Jul 2019 19:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 91 Resp: 550873

Ion Ratio Lower Upper

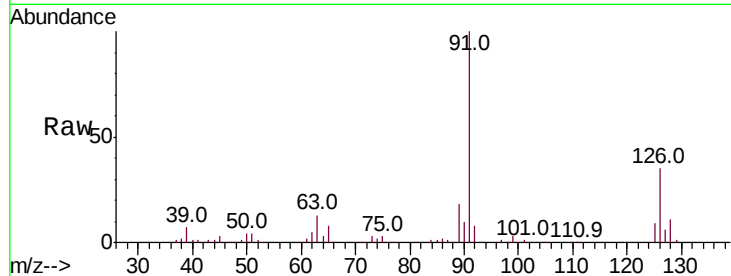
91 100

126 34.8 0.0 70.8

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Abundance Ion 91.00 (90.70 to 91.70): VN056888.D (-3377) (-)

Ion 126.00 (125.70 to 126.70): VN056888.D (-3377) (-)

500000

400000

300000

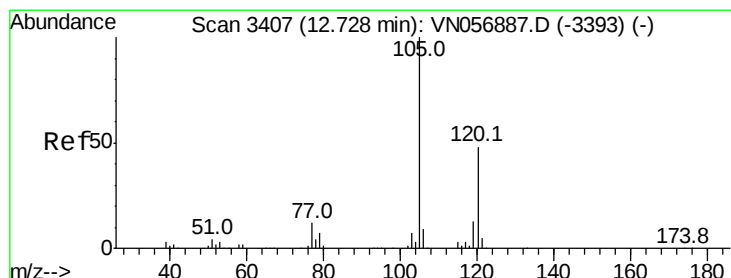
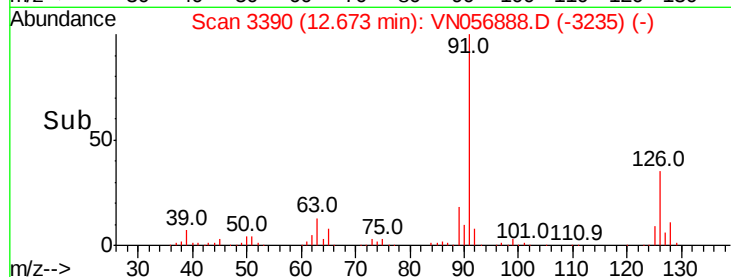
200000

100000

0

12.60 12.65 12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 47.943 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056888.D

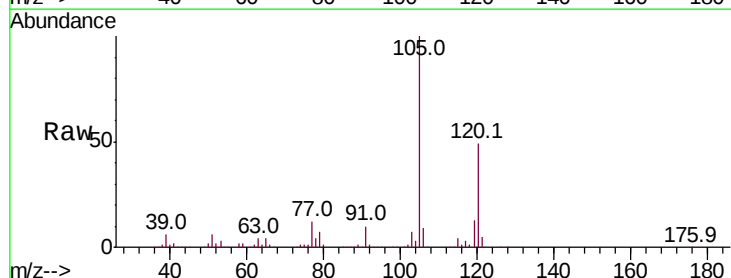
Acq: 23 Jul 2019 19:52

Tgt Ion: 105 Resp: 699170

Ion Ratio Lower Upper

105 100

120 49.1 0.0 97.2



Abundance Ion 105.00 (104.70 to 105.70): VN056888.D (-3252) (-)

Ion 120.00 (119.70 to 120.70): VN056888.D (-3252) (-)

500000

400000

300000

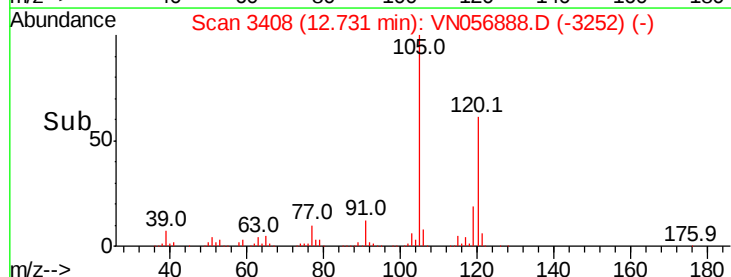
200000

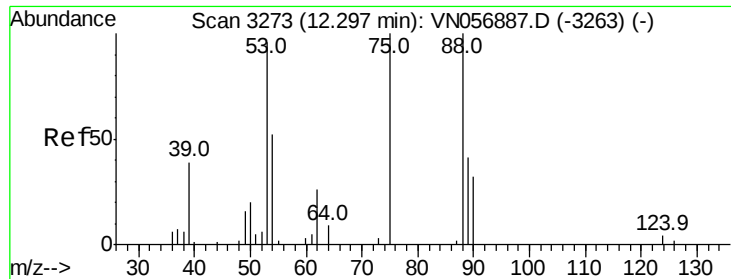
100000

0

12.65 12.70 12.75 12.80

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 41.972 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN056888.D

Acq: 23 Jul 2019 19:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 75 Resp: 65129

Ion Ratio Lower Upper

75 100

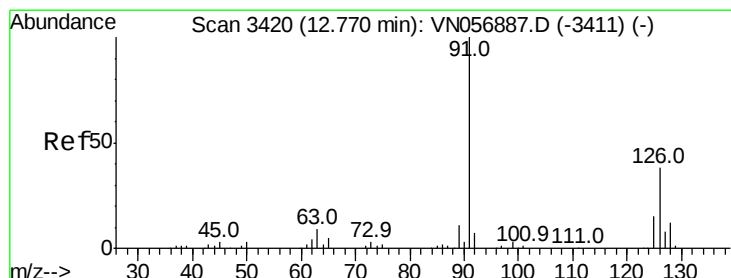
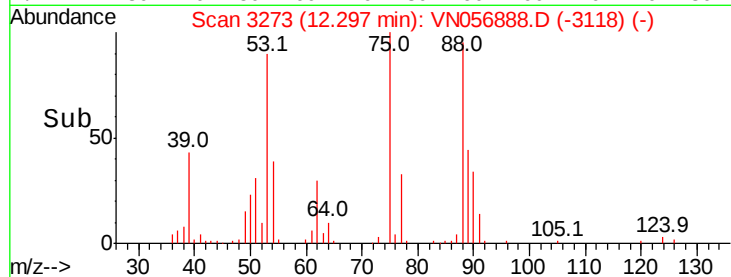
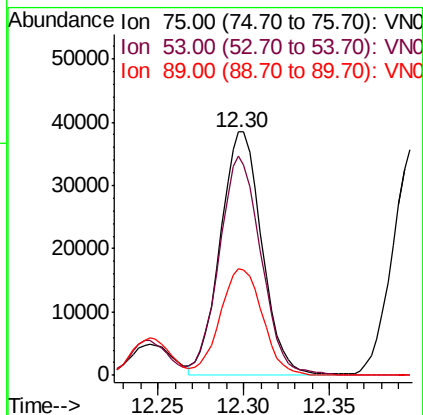
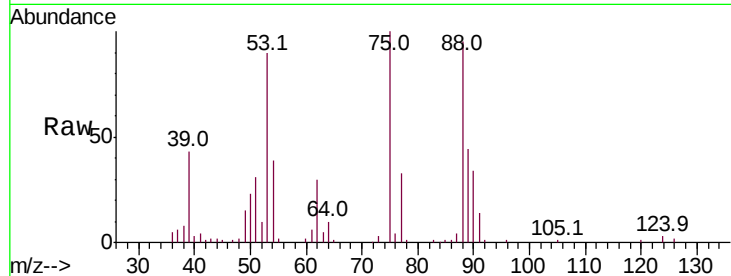
53 90.7 48.0 144.0

89 43.8 21.4 64.3

Manual Integrations
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#78

4-Chlorotoluene

Concen: 47.952 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. -0.00 min

Lab File: VN056888.D

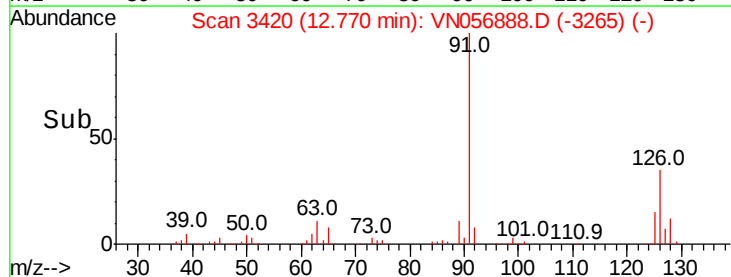
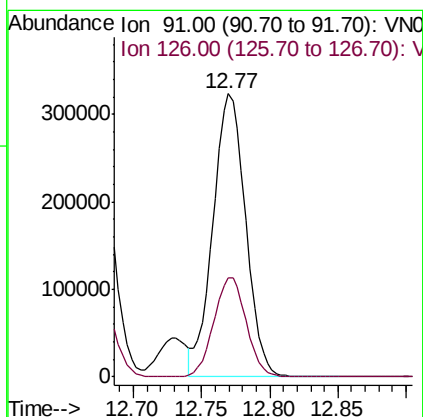
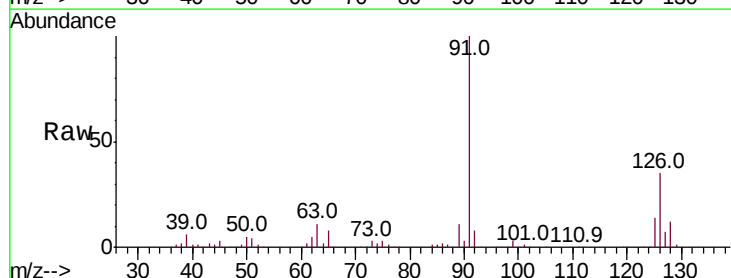
Acq: 23 Jul 2019 19:52

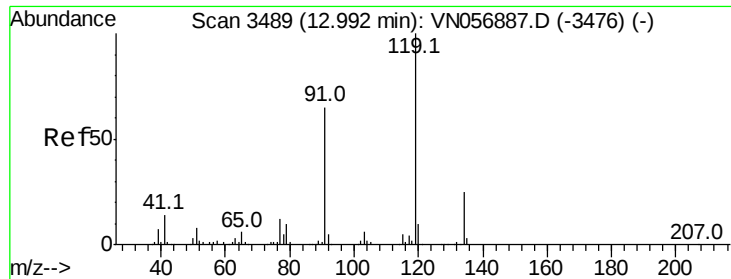
Tgt Ion: 91 Resp: 537836

Ion Ratio Lower Upper

91 100

126 34.7 0.0 69.6





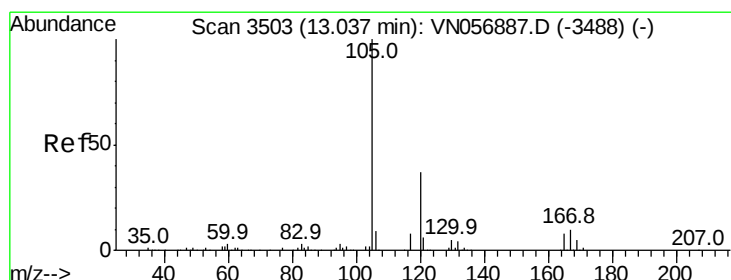
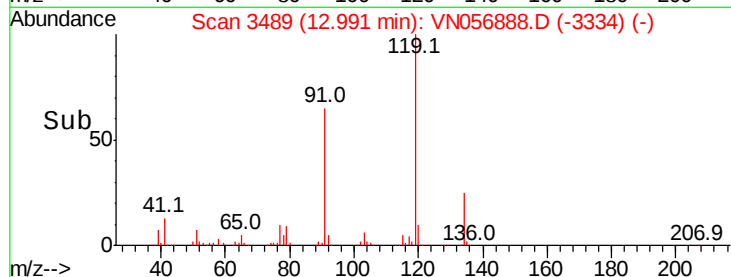
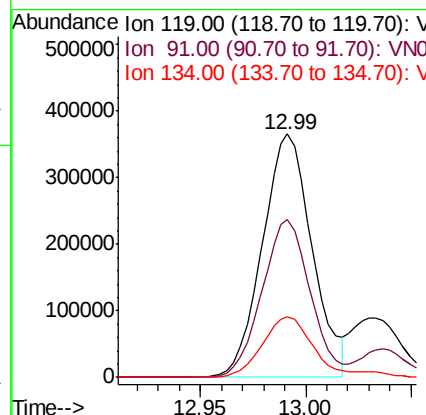
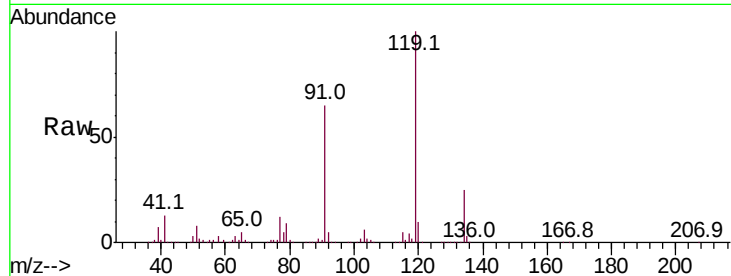
#79
tert-butylbenzene
Concen: 48.053 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN056888.D
Acq: 23 Jul 2019 19:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	598889		
91	62.6	0.0	126.8	
134	24.8	0.0	48.8	

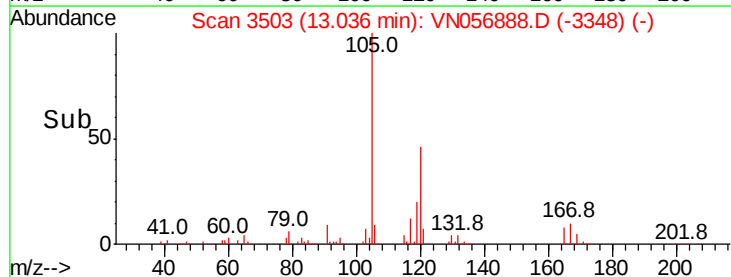
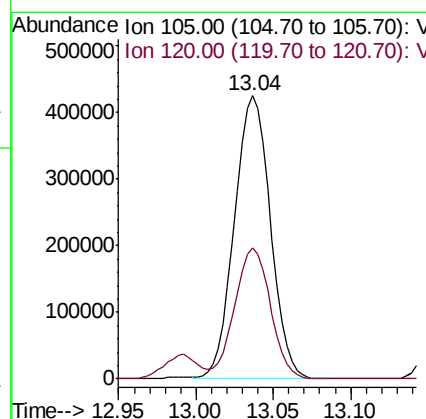
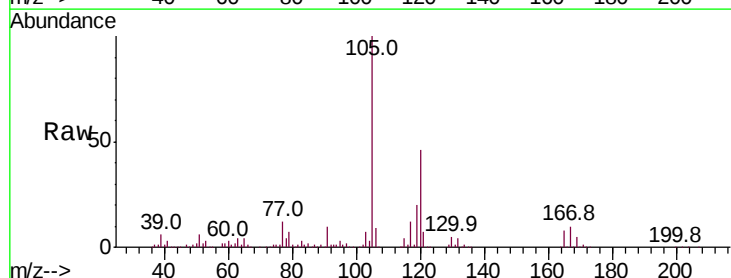
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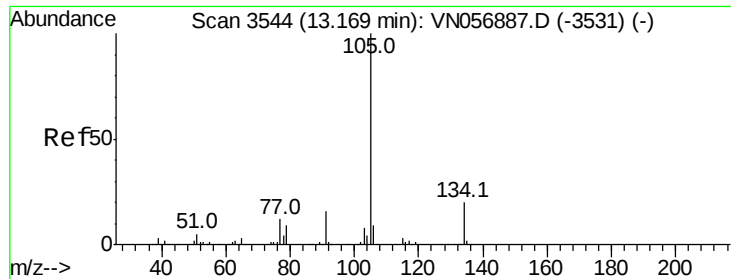
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#80
1,2,4-Trimethylbenzene
Concen: 47.312 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN056888.D
Acq: 23 Jul 2019 19:52

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	685429		
120	46.1	0.0	90.6	





#81

sec-Butylbenzene

Concen: 48.037 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN056888.D

Acq: 23 Jul 2019 19:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion:105 Resp: 788789

Ion Ratio Lower Upper

105 100

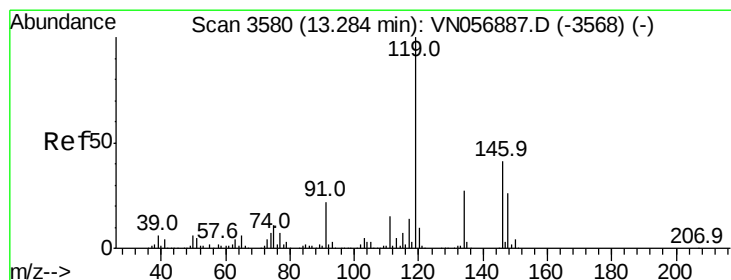
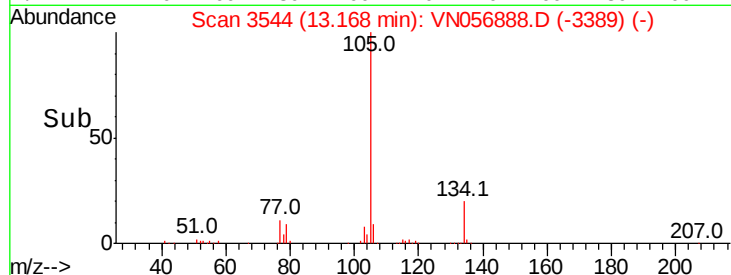
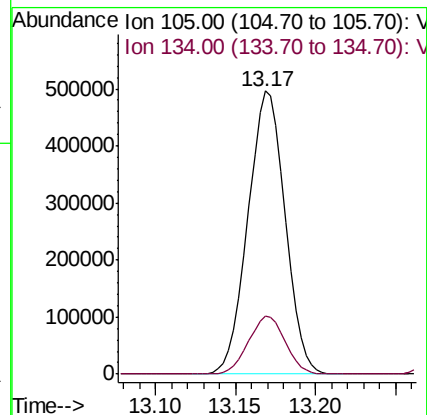
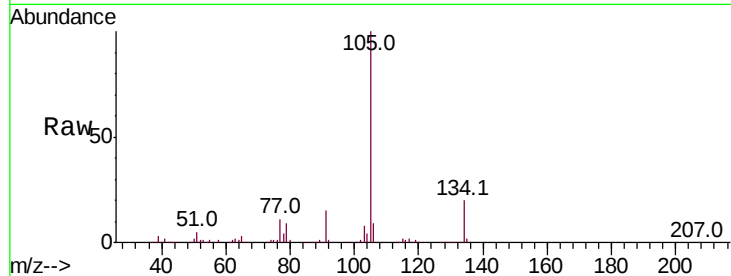
134 20.3 0.0 41.2

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#82

p-Isopropyltoluene

Concen: 47.879 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056888.D

Acq: 23 Jul 2019 19:52

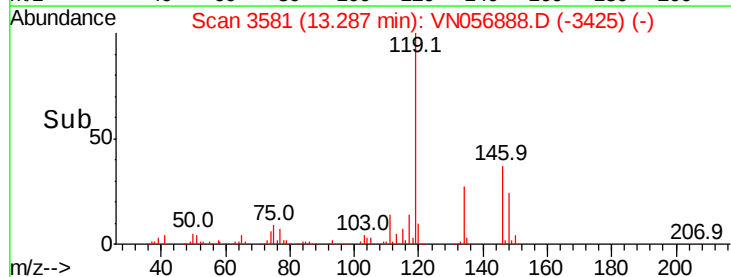
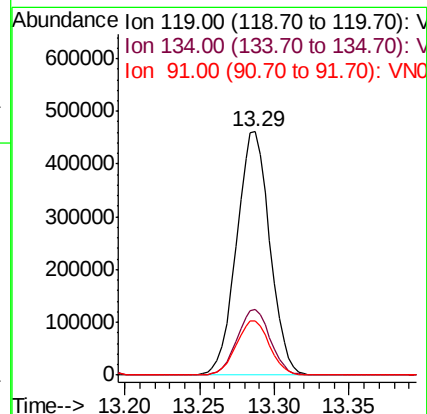
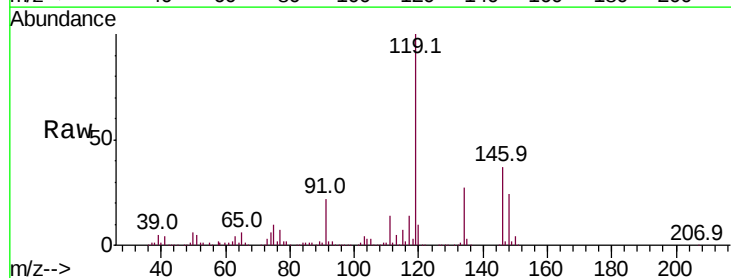
Tgt Ion:119 Resp: 712680

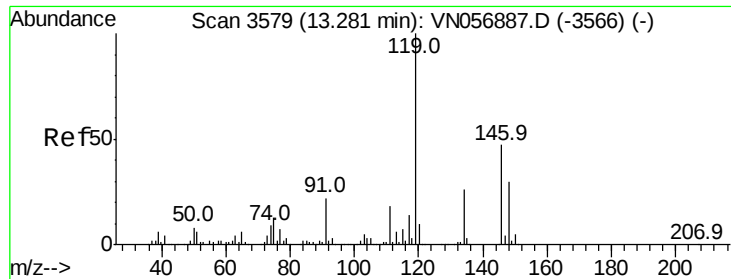
Ion Ratio Lower Upper

119 100

134 27.0 0.0 53.2

91 22.5 0.0 44.0





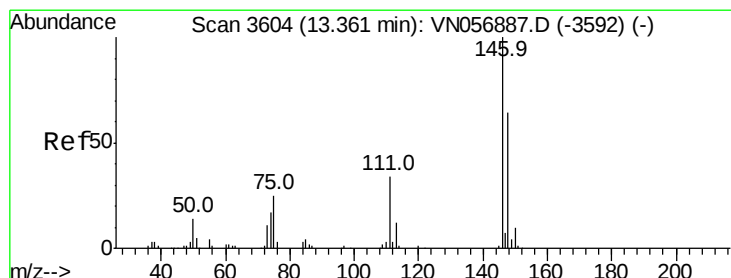
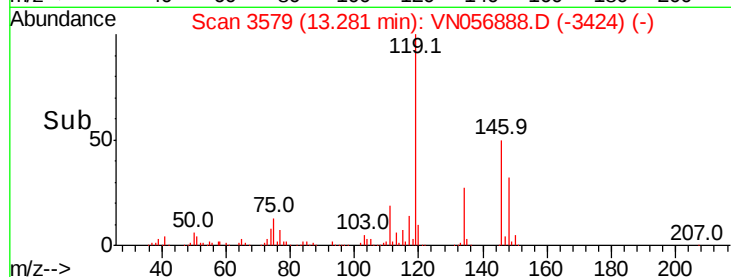
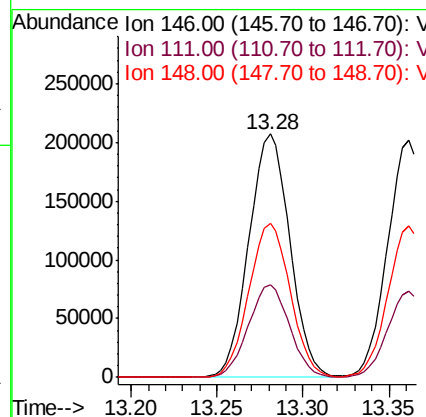
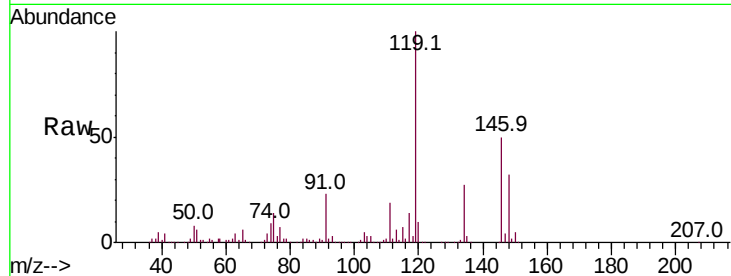
#83
 1,3-Dichlorobenzene
 Concen: 46.405 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN056888.D
 Acq: 23 Jul 2019 19:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.8	56.4
148	63.8	31.7	95.1

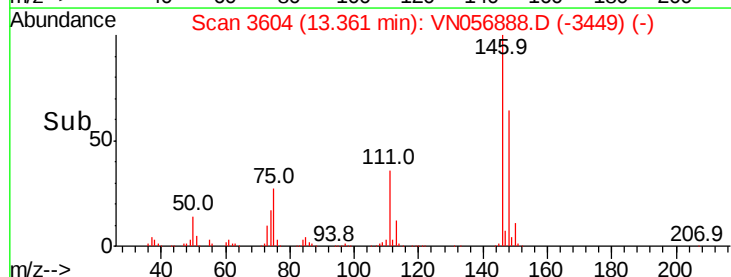
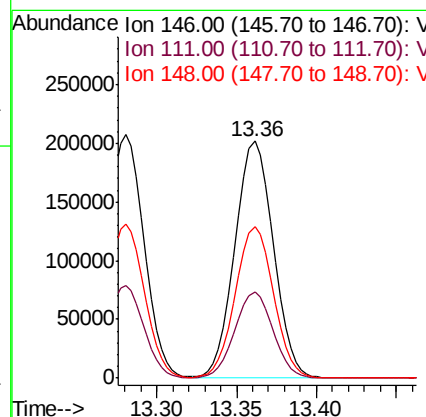
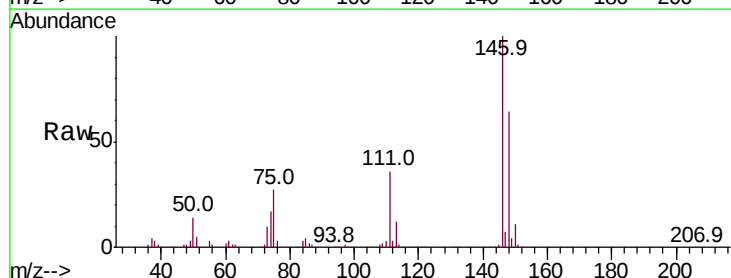
Manual Integrations
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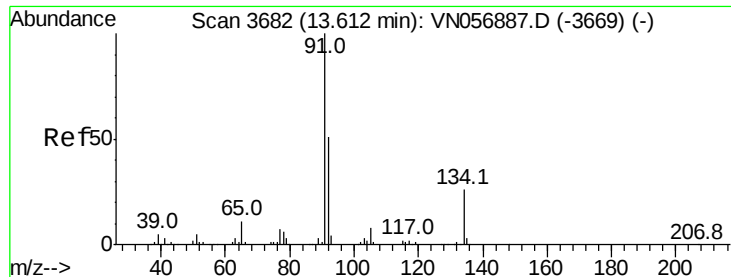
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#84
 1,4-Dichlorobenzene
 Concen: 47.180 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN056888.D
 Acq: 23 Jul 2019 19:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.0	17.8	53.5
148	63.5	32.6	97.7





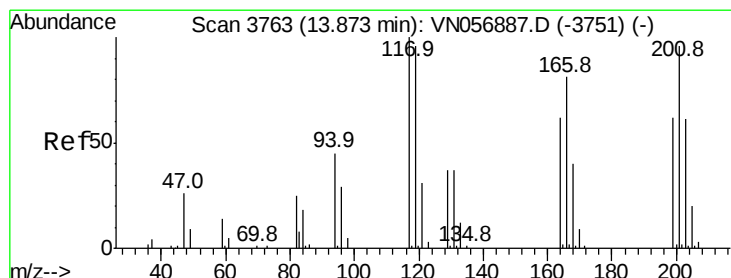
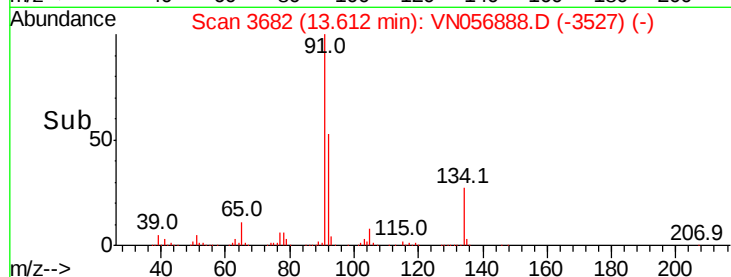
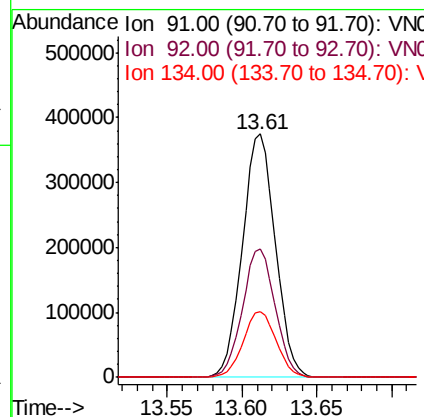
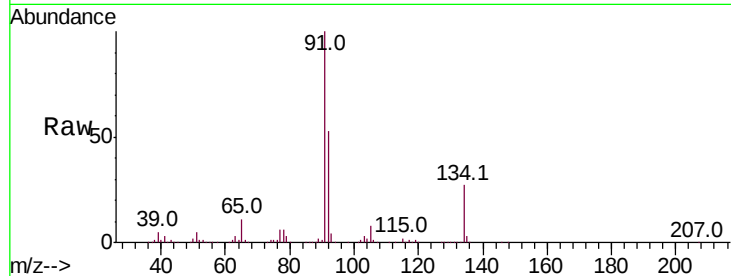
#85
n-Butylbenzene
Concen: 47.240 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN056888.D
Acq: 23 Jul 2019 19:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	0.0	101.8
134	27.1	0.0	52.4

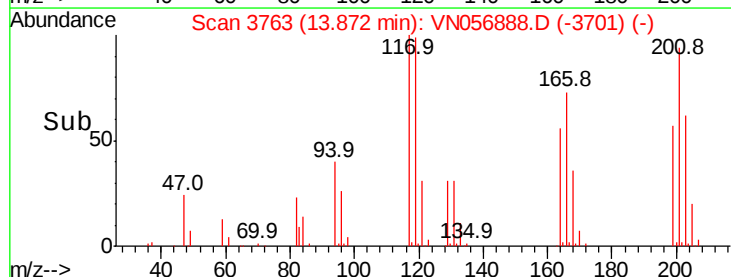
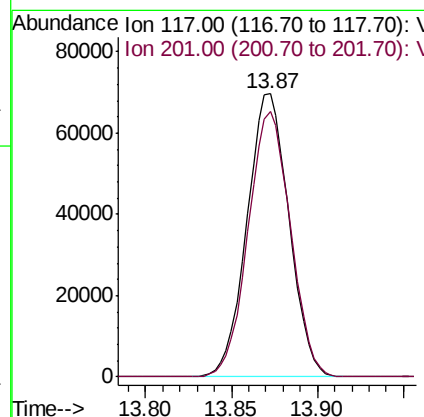
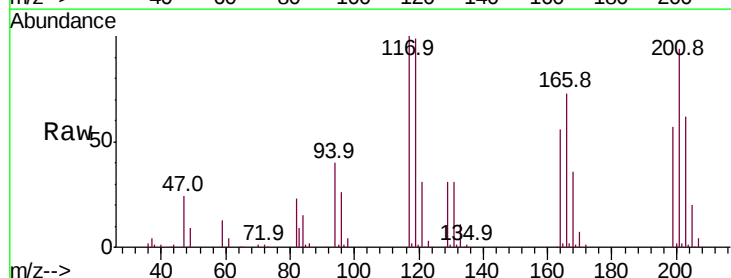
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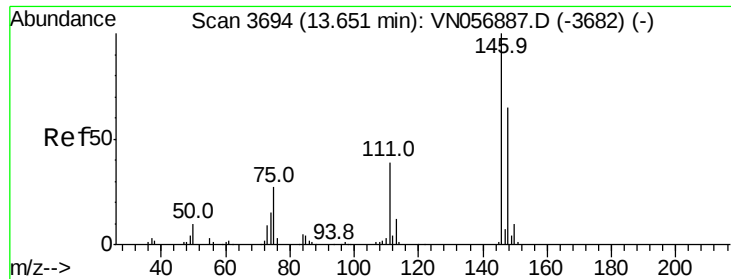
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#86
Hexachloroethane
Concen: 49.630 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN056888.D
Acq: 23 Jul 2019 19:52

Tgt Ion	Ratio	Lower	Upper
117	100		
201	94.2	47.8	143.3





#87

1,2-Dichlorobenzene

Concen: 45.852 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN056888.D

Acq: 23 Jul 2019 19:52

Instrument :

MSVOA_N

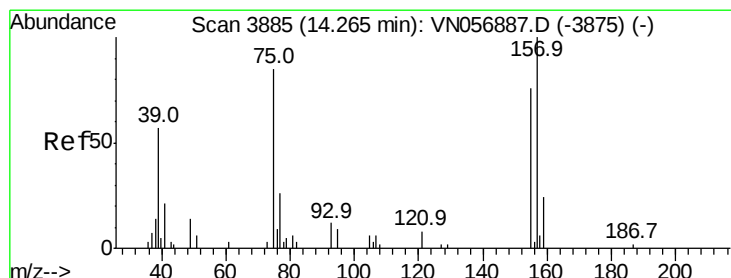
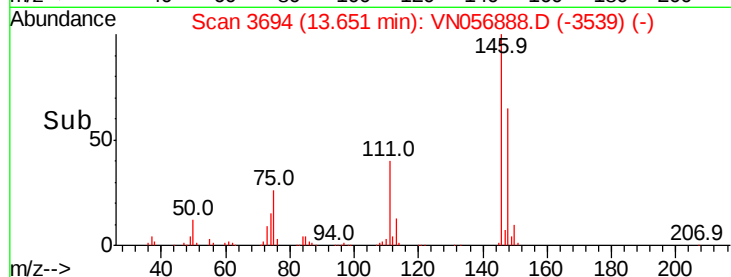
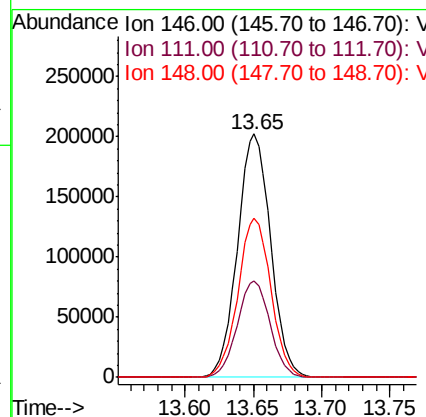
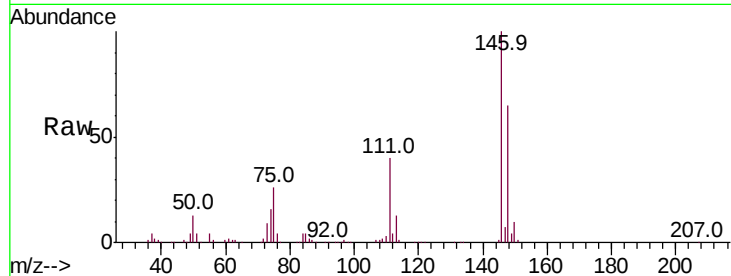
ClientSampled :

VSTDIC050

Tot Ion:	146	Resp:	341406
Ion Ratio	Lower	Upper	
146	100		
111	39.1	19.6	58.8
148	64.8	32.5	97.5

Manual Integrations
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#88

1,2-Dibromo-3-Chloropropane

Concen: 38.314 ug/l

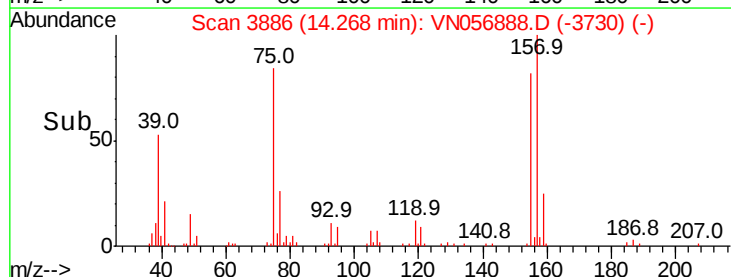
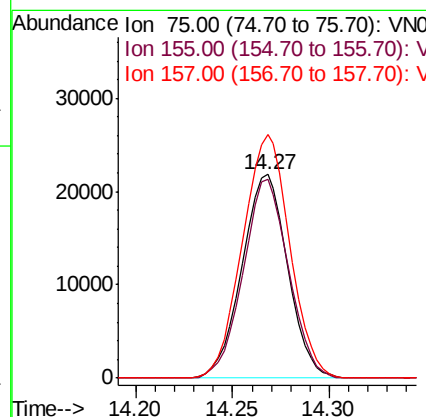
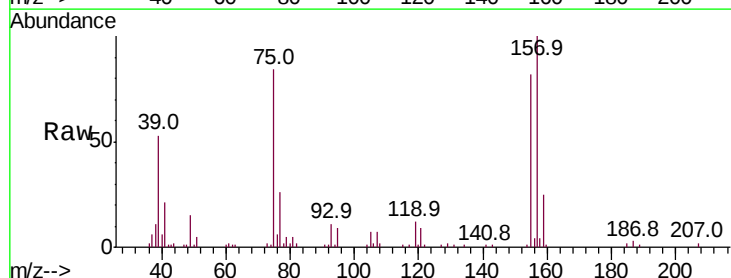
RT: 14.27 min Scan# 3886

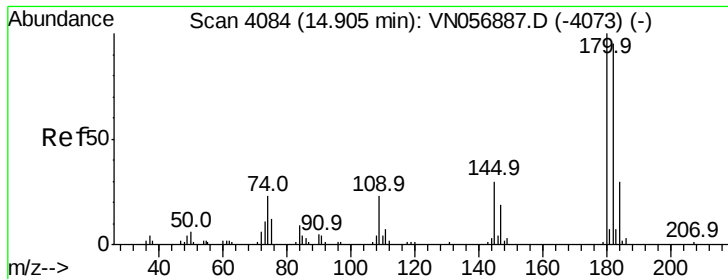
Delta R.T. 0.00 min

Lab File: VN056888.D

Acq: 23 Jul 2019 19:52

Tgt Ion:	75	Resp:	35854
Ion Ratio	Lower	Upper	
75	100		
155	97.0	73.4	110.2
157	123.9	95.0	142.6





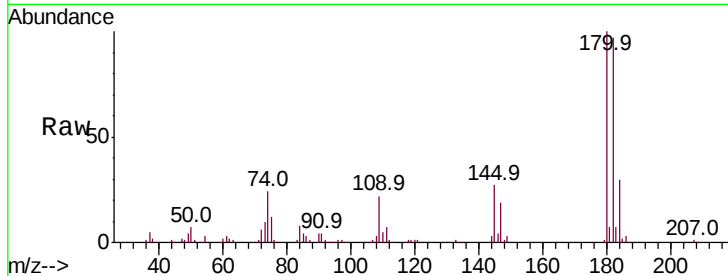
#89
 1,2,4-Trichlorobenzene
 Concen: 43.049 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN056888.D
 Acq: 23 Jul 2019 19:52

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	167530		
182	95.4	77.0	115.4	
145	27.6	23.5	35.3	

Manual Integrations
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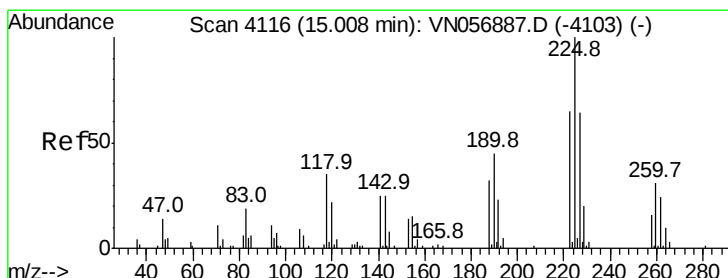
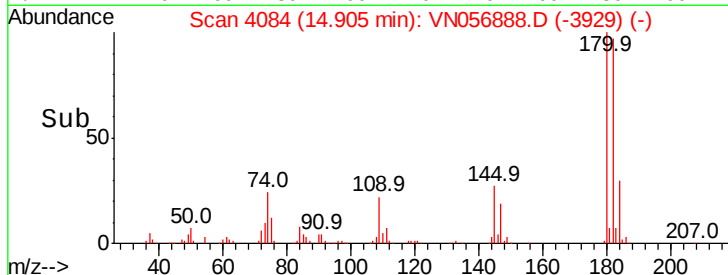
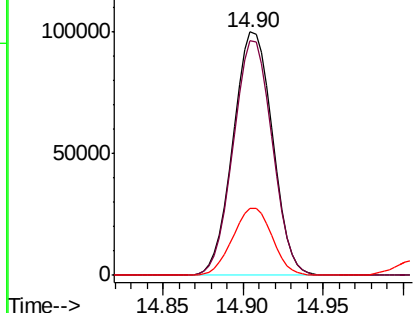


Abundance

Ion 180.00 (179.70 to 180.70): V

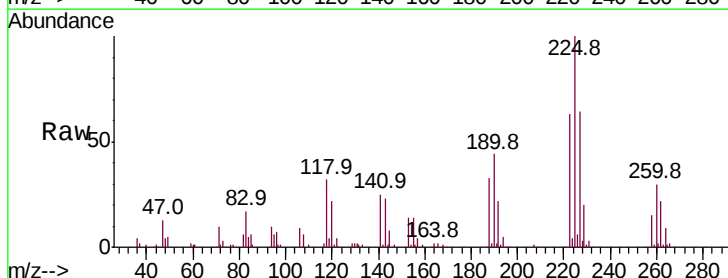
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90
 Hexachlorobutadiene
 Concen: 47.131 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN056888.D
 Acq: 23 Jul 2019 19:52

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	122969		
223	63.1	0.0	130.0	
227	64.3	0.0	127.2	

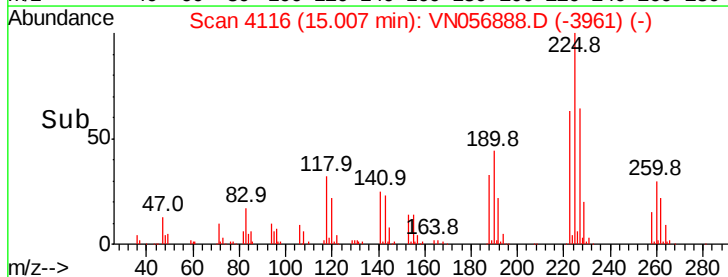
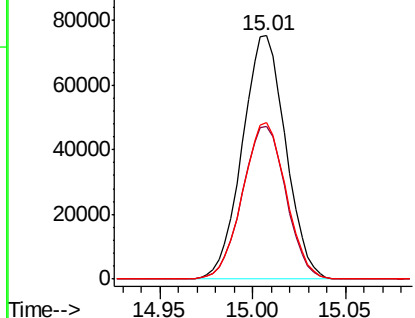


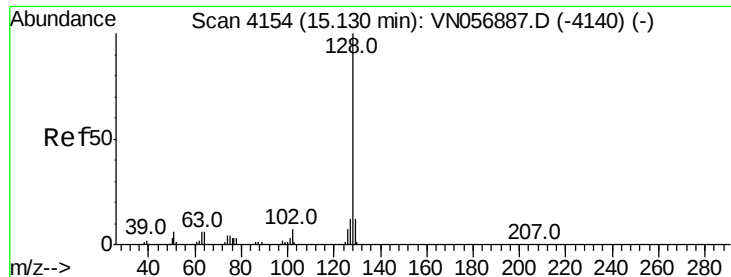
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





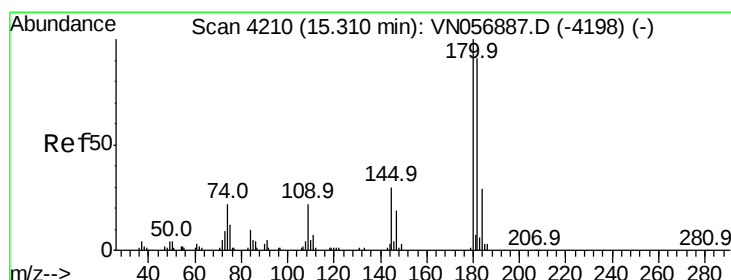
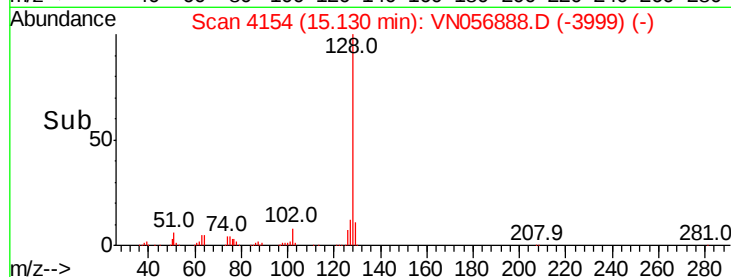
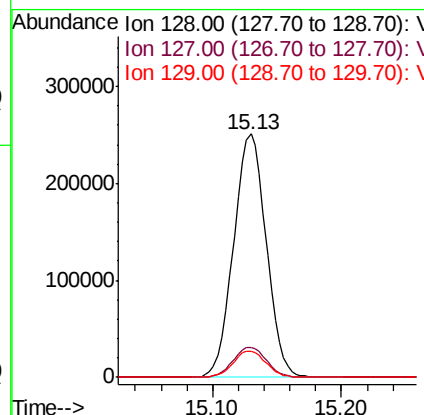
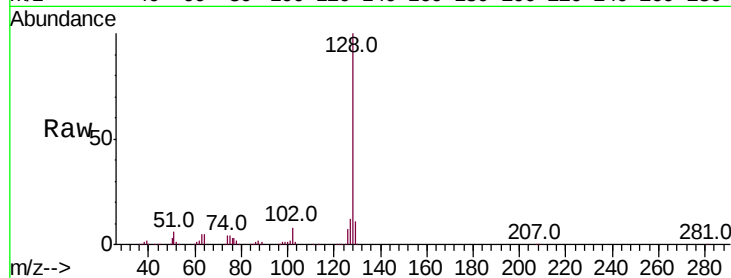
#91
Naphthalene
Concen: 41.866 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN056888.D
Acq: 23 Jul 2019 19:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.0	15.0
129	10.9	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
7/25/2019 2:19:59 PM



#92
1,2,3-Trichlorobenzene
Concen: 44.252 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.00 min
Lab File: VN056888.D
Acq: 23 Jul 2019 19:52

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	0.0	188.0
145	29.4	0.0	61.0

