

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072419\
 Data File : VN056900.D
 Acq On : 24 Jul 2019 1:55
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 7/25/2019 2:20:34 PM

Quant Time: Jul 24 04:18:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072419W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 24 03:39:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	59166	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	313841	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	274517	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	115734	29.89	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.63%
60) 4-Bromofluorobenzene	12.40	95	119971	29.16	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.20%
63) Toluene-d8	10.09	98	394737	30.44	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.47%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	71706	20.271	ug/l 96
3) Chloromethane	2.06	50	89732	20.787	ug/l 99
4) Vinyl Chloride	2.19	62	84273	20.249	ug/l 99
5) Bromomethane	2.56	94	52807	20.666	ug/l 95
6) Chloroethane	2.71	64	46539	20.160	ug/l 99
7) Trichlorofluoromethane	3.02	101	101464	20.020	ug/l 98
8) Diethyl Ether	3.41	74	37580	19.899	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	63480	19.944	ug/l 98
10) 1,1-Dichloroethene	3.73	96	63682	20.161	ug/l 97
11) Methyl Iodide	3.95	142	92378	19.768	ug/l 98
12) Methyl Acetate	4.33	43	67083	17.354	ug/l 96
13) Acrolein	3.60	56	41143	94.042	ug/l 97
14) Acrylonitrile	4.99	53	145133	97.351	ug/l 92
15) Acetone	3.82	58	38287	99.336	ug/l 92
16) Carbon Disulfide	4.04	76	166436	19.541	ug/l 98
17) Allyl chloride	4.32	41	101041	19.116	ug/l 99
18) Methylene Chloride	4.55	84	74169	20.175	ug/l 98
19) trans-1,2-Dichloroethene	5.04	96	67145	20.086	ug/l 97
20) Diisopropyl ether	5.96	45	218894	20.397	ug/l 96
21) 1,1-Dichloroethane	5.85	63	126068	20.214	ug/l 99
22) cis-1,2-Dichloroethene	6.82	96	78382	20.231	ug/l 97
23) tert-Butyl Alcohol	4.81	59	53679	107.895	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	186099	19.487	ug/l 98
25) Chloroform	7.37	83	120515	19.808	ug/l 100
26) Cyclohexane	7.65	56	112972	19.719	ug/l # 100
29) 1,1-Dichloropropene	7.79	75	91334	20.507	ug/l 98
30) 2-Butanone	6.84	43	175109	97.863	ug/l 100
31) 2,2-Dichloropropane	6.82	77	69724	16.870	ug/l 98
32) 1,1,1-Trichloroethane	7.57	97	99629	20.359	ug/l 100
33) Carbon Tetrachloride	7.77	117	83880	19.639	ug/l 96
34) Benzene	8.04	78	285818	20.367	ug/l 98
35) Methacrylonitrile	7.17	41	29066	16.266	ug/l 98
36) 1,2-Dichloroethane	8.12	62	90105	20.654	ug/l 100
37) Trichloroethene	8.83	130	75595	20.093	ug/l 99
38) Methylcyclohexane	9.08	83	110393	19.485	ug/l 98
39) 1,2-Dichloropropane	9.12	63	75738	20.219	ug/l 100
40) Dibromomethane	9.21	93	46502	20.237	ug/l 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	87183	19.744	ug/l	99
42) Vinyl Acetate	5.90	43	785332	98.555	ug/l	100
43) Ethyl Acetate	6.93	43	73757	20.107	ug/l	98
44) Isopropyl Acetate	8.17	43	119984	19.623	ug/l #	87
45) 1,4-Dioxane	9.20	88	23695	407.068	ug/l	97
46) Methyl methacrylate	9.20	41	59487	19.502	ug/l	97
47) n-amyl Acetate	12.07	43	92095	18.815	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	85493	18.606	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	101923	19.035	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	68204	20.673	ug/l	98
51) Ethyl methacrylate	10.43	69	91882	19.254	ug/l	98
52) 1,3-Dichloropropane	10.71	76	111743	20.069	ug/l	100
53) Dibromochloromethane	10.90	129	66291	19.330	ug/l	99
54) 1,2-Dibromoethane	11.00	107	68118	20.238	ug/l	99
55) 2-Chloroethyl vinyl ether	9.69	63	191209	92.518	ug/l	98
56) Bromoform	12.13	173	44970	18.953	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	367211	99.680	ug/l	99
59) 2-Hexanone	10.75	43	248227	98.884	ug/l	100
61) Tetrachloroethene	10.63	164	79233	20.594	ug/l	99
62) Toluene	10.15	91	302997	20.294	ug/l	100
64) Chlorobenzene	11.43	112	181104	20.138	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	67990	19.960	ug/l	98
66) Ethyl Benzene	11.51	91	313599	19.933	ug/l	99
67) m/p-Xylenes	11.62	106	236670	40.340	ug/l	100
68) o-Xylene	11.95	106	116592	20.213	ug/l	99
69) Styrene	11.96	104	184724	19.762	ug/l	100
70) Isopropylbenzene	12.25	105	306973	20.212	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	85842	20.179	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	77434m	20.689	ug/l	
73) Bromobenzene	12.52	156	77117	19.677	ug/l	99
74) n-propylbenzene	12.59	91	328591	19.787	ug/l	100
75) 2-Chlorotoluene	12.67	91	205493	20.410	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	260157	20.347	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	19757	16.812	ug/l	95
78) 4-Chlorotoluene	12.77	91	186308	19.467	ug/l	100
79) tert-butylbenzene	12.99	119	221880	20.110	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	251519	20.179	ug/l	100
81) sec-Butylbenzene	13.17	105	285281	19.804	ug/l	100
82) p-Isopropyltoluene	13.29	119	254491	19.671	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	117764	19.084	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	109341	18.741	ug/l	98
85) n-Butylbenzene	13.61	91	185000	18.211	ug/l	99
86) Hexachloroethane	13.87	117	42141	19.464	ug/l	95
87) 1,2-Dichlorobenzene	13.65	146	123478	20.146	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	12067	18.336	ug/l	92
89) 1,2,4-Trichlorobenzene	14.90	180	48740	19.564	ug/l	99
90) Hexachlorobutadiene	15.00	225	44869	19.916	ug/l	98
91) Naphthalene	15.13	128	122012	18.937	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	57220	17.659	ug/l	99

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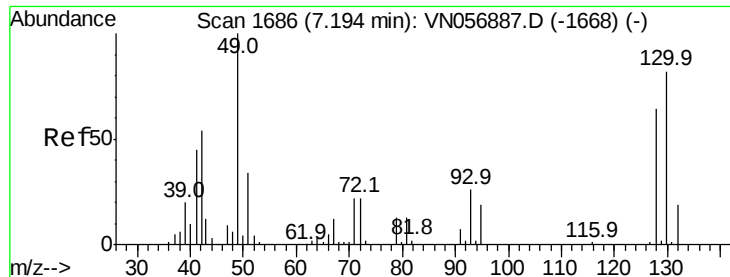
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN056900.D

Acq: 24 Jul 2019 1:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 128 Resp: 59166

Ion Ratio Lower Upper

128 100

49 155.3 0.0 385.8

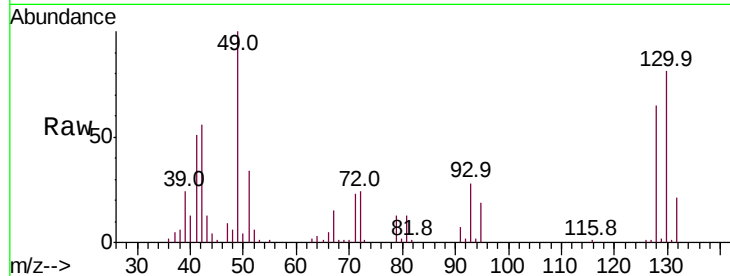
130 126.2 0.0 322.5

Manual Integrations

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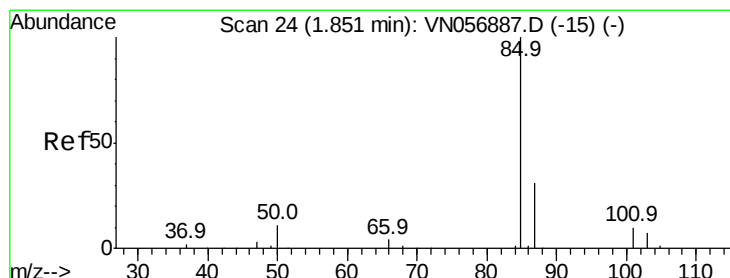
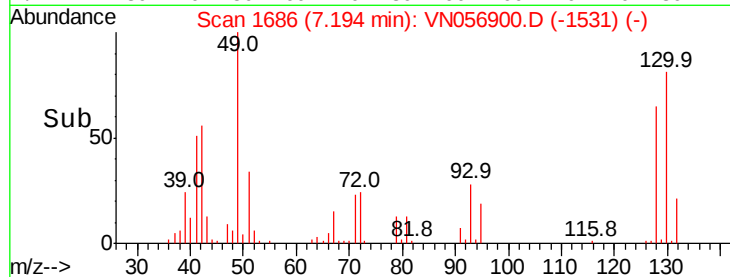
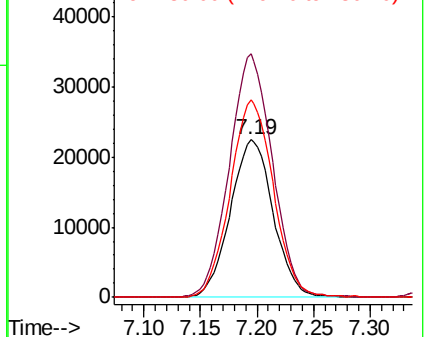
7/25/2019 2:20:34 PM



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: 20.271 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN056900.D

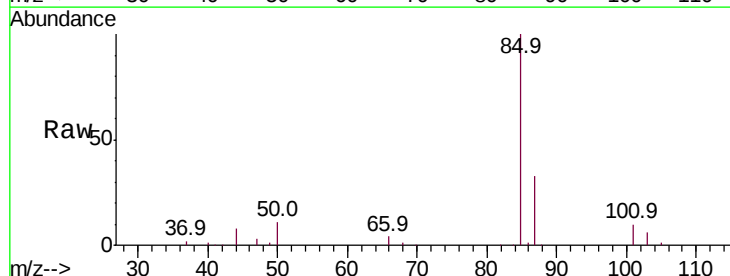
Acq: 24 Jul 2019 1:55

Tgt Ion: 85 Resp: 71706

Ion Ratio Lower Upper

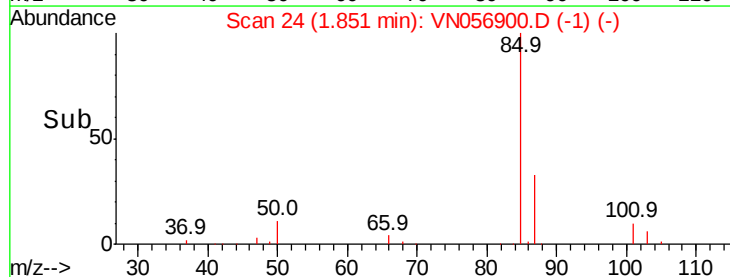
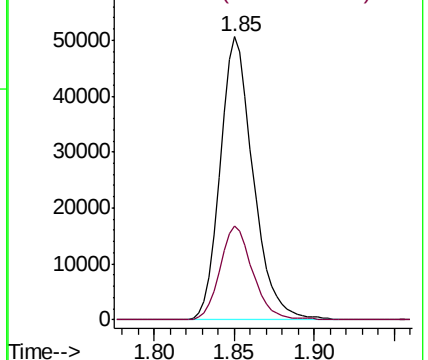
85 100

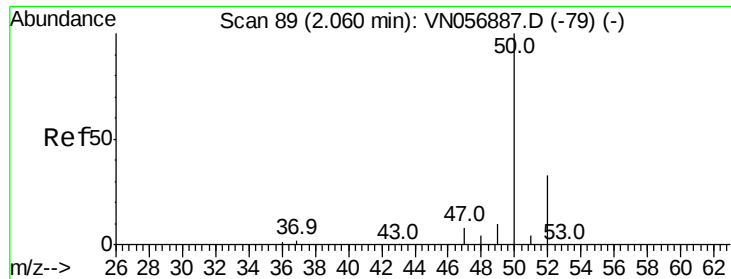
87 33.3 15.6 46.8



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 20.787 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN056900.D

Acq: 24 Jul 2019 1:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 50 Resp: 89732

Ion Ratio Lower Upper

50 100

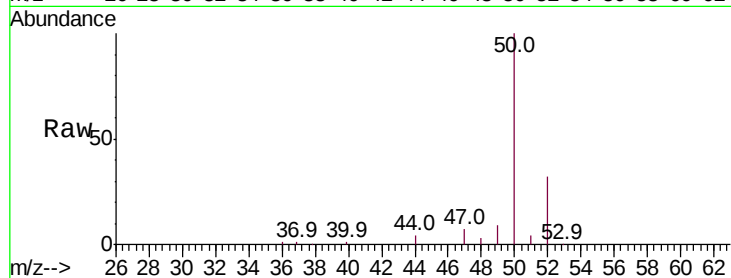
52 32.3 26.2 39.2

Manual Integrations

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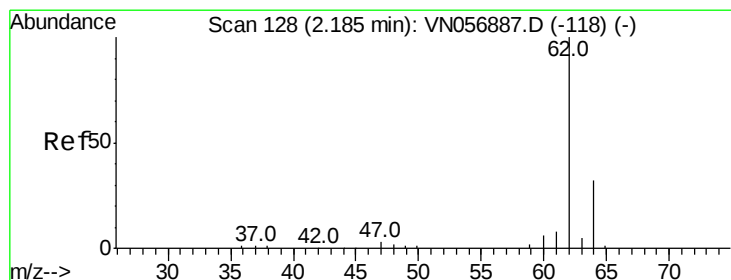
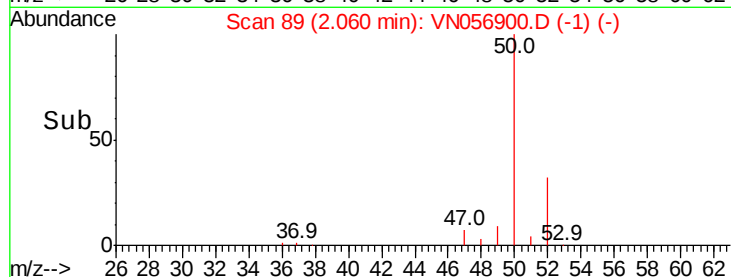
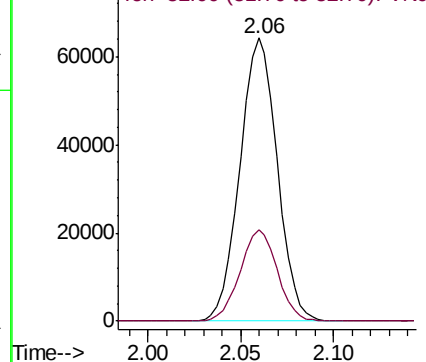
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Abundance Ion 50.00 (49.70 to 50.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#4

Vinyl Chloride

Concen: 20.249 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN056900.D

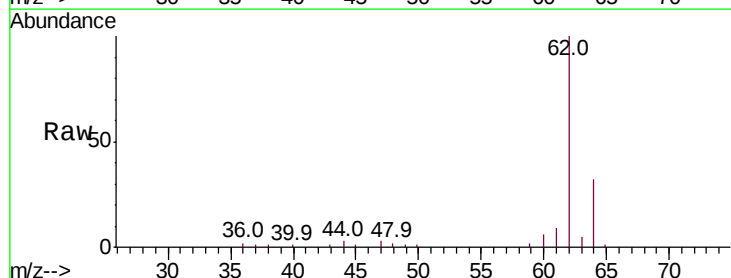
Acq: 24 Jul 2019 1:55

Tgt Ion: 62 Resp: 84273

Ion Ratio Lower Upper

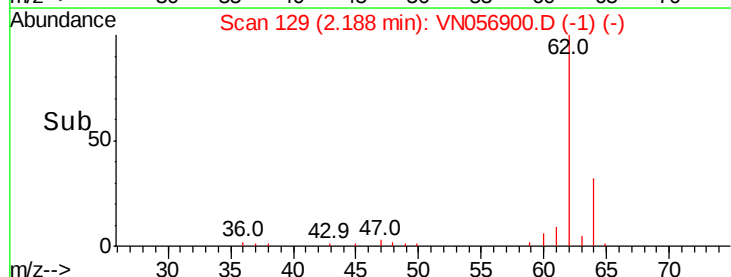
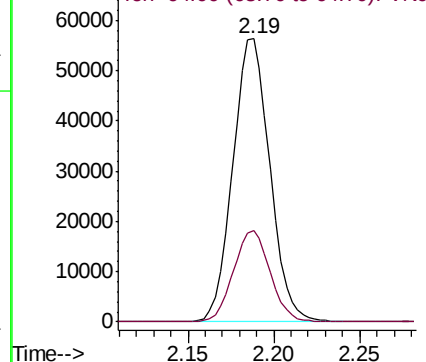
62 100

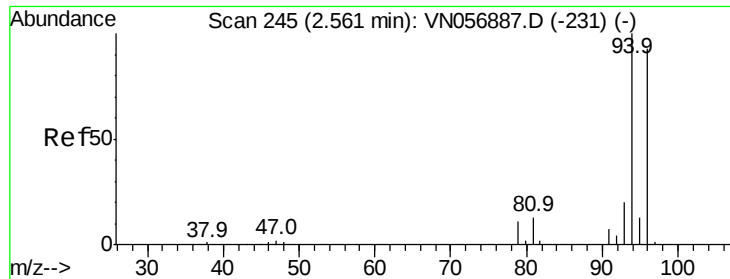
64 32.1 25.4 38.0



Abundance Ion 62.00 (61.70 to 62.70): VNO

Ion 64.00 (63.70 to 64.70): VNO





#5

Bromomethane

Concen: 20.666 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN056900.D

Acq: 24 Jul 2019 1:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 94 Resp: 52807

Ion Ratio Lower Upper

94 100

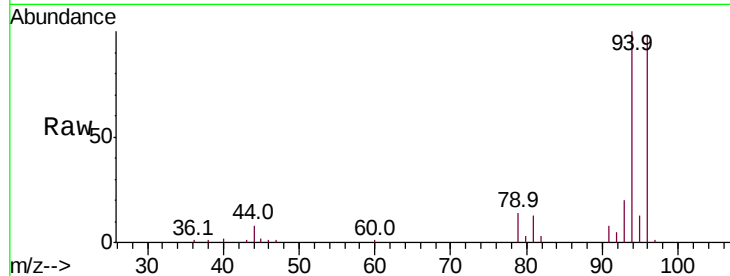
96 97.8 74.7 112.1

Manual Integrations

APPROVED

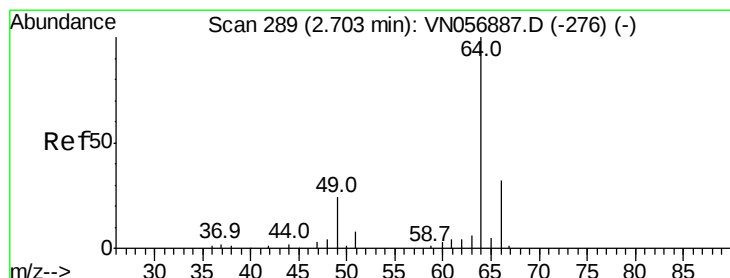
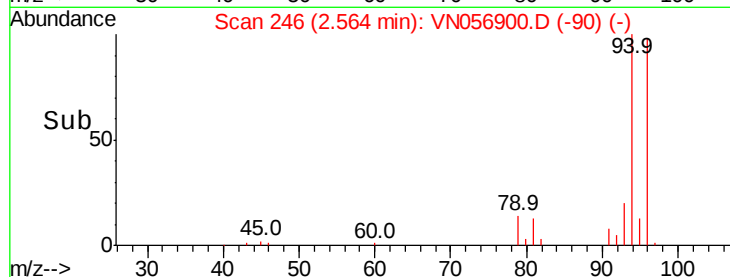
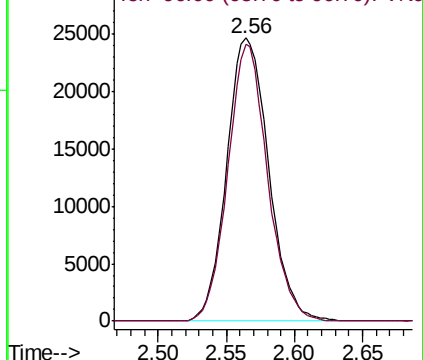
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 20.160 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN056900.D

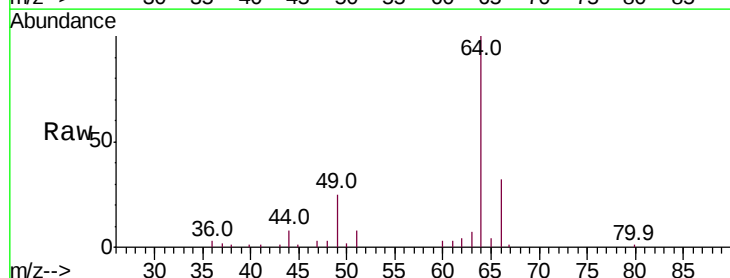
Acq: 24 Jul 2019 1:55

Tgt Ion: 64 Resp: 46539

Ion Ratio Lower Upper

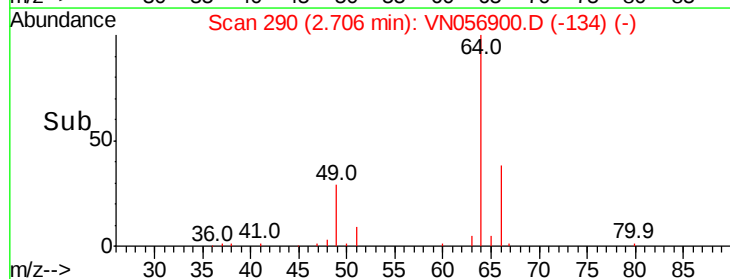
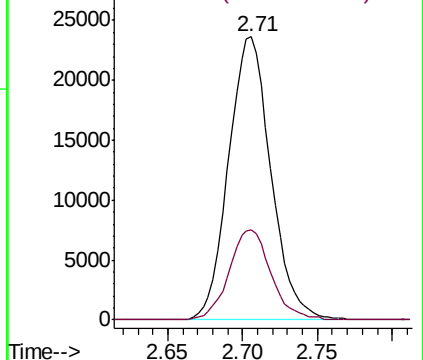
64 100

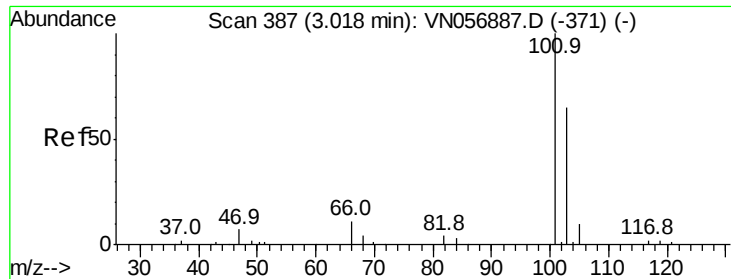
66 31.7 25.8 38.8



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

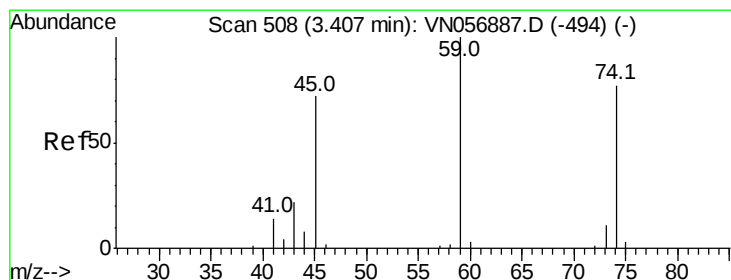
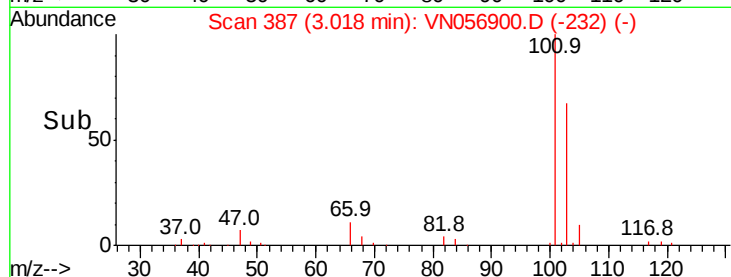
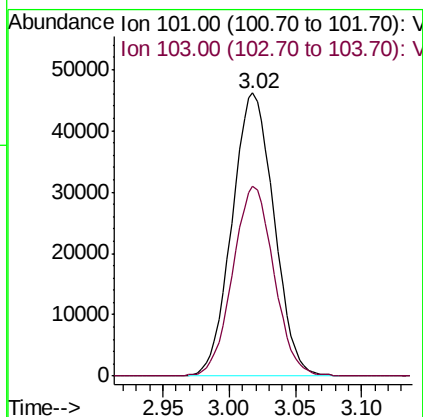
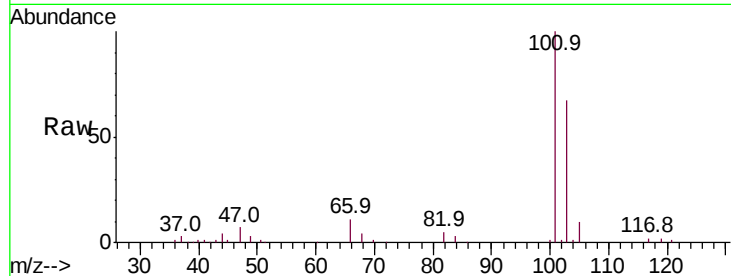
Trichlorofluoromethane
 Concen: 20.020 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. -0.00 min
 Lab File: VN056900.D
 Acq: 24 Jul 2019 1:55

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Tot Ion:101 Resp: 101464
 Ion Ratio Lower Upper
 101 100
 103 67.1 52.2 78.4

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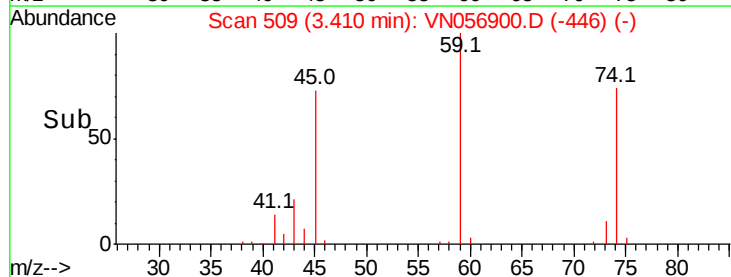
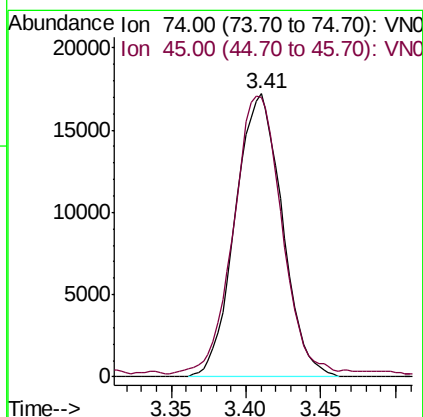
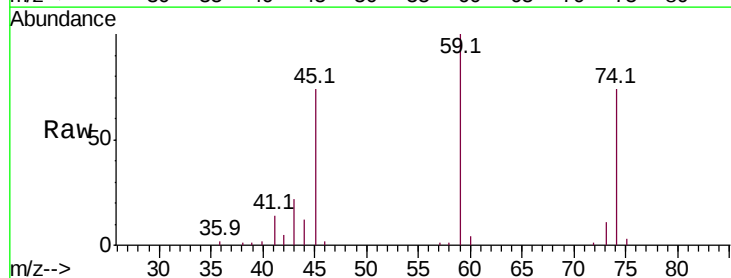
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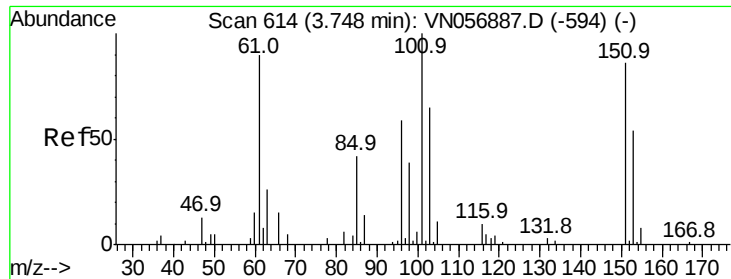


#8

Diethyl Ether
 Concen: 19.899 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN056900.D
 Acq: 24 Jul 2019 1:55

Tgt Ion: 74 Resp: 37580
 Ion Ratio Lower Upper
 74 100
 45 100.0 19.5 175.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.944 ug/l

RT: 3.75 min Scan# 615

Delta R.T. 0.00 min

Lab File: VN056900.D

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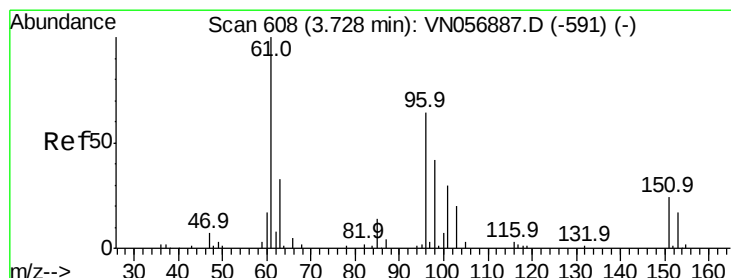
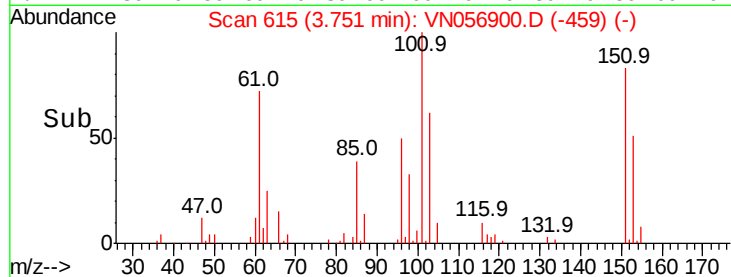
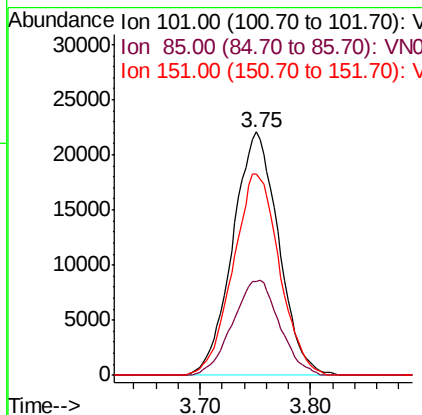
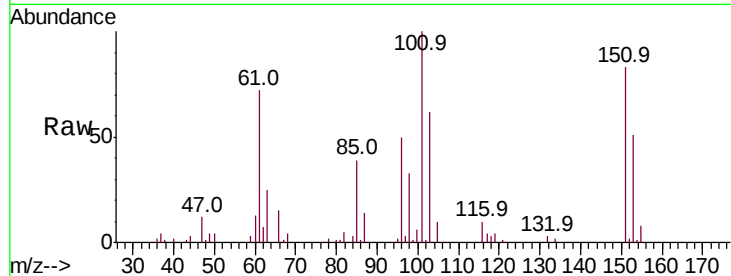
ClientSampleId :

VSTDCCC020EC

Tot Ion:	101	Resp:	63480
Ion Ratio	Lower	Upper	
101	100		
85	40.0	0.0	85.0
151	83.8	0.0	167.2

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#10

1,1-Dichloroethene

Concen: 20.161 ug/l

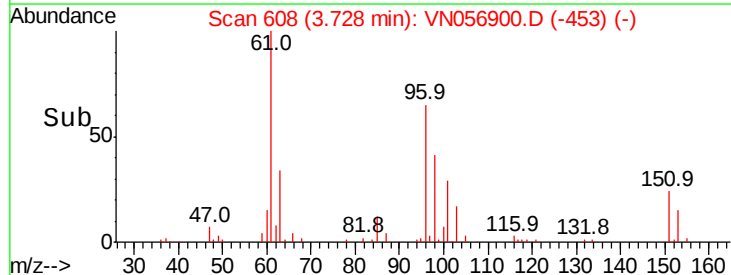
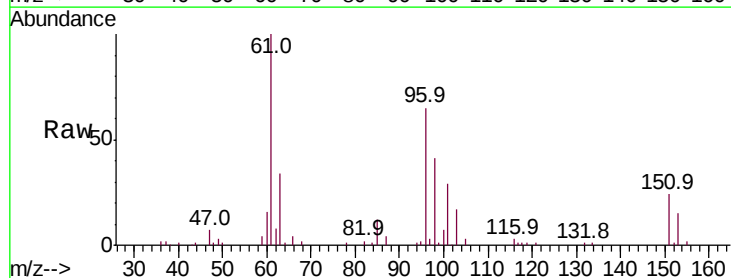
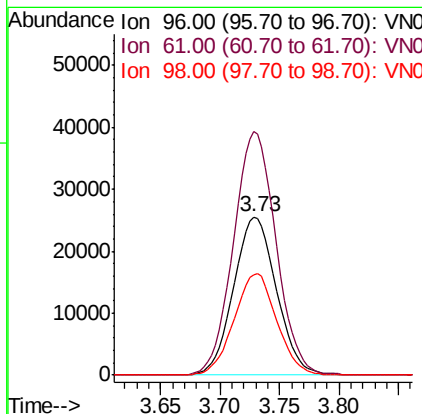
RT: 3.73 min Scan# 608

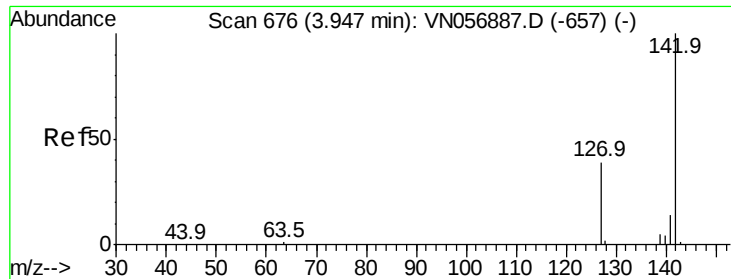
Delta R.T. -0.00 min

Lab File: VN056900.D

Acq: 24 Jul 2019 1:55

Tgt Ion:	96	Resp:	63682
Ion Ratio	Lower	Upper	
96	100		
61	153.9	125.8	188.8
98	63.6	52.7	79.1





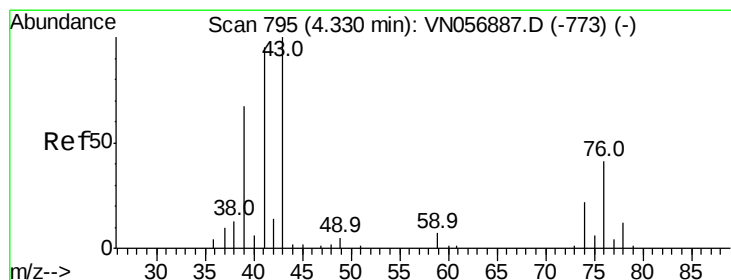
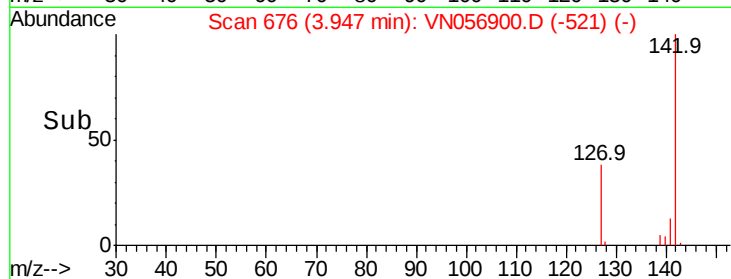
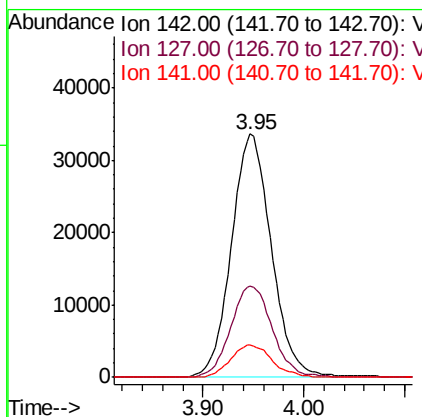
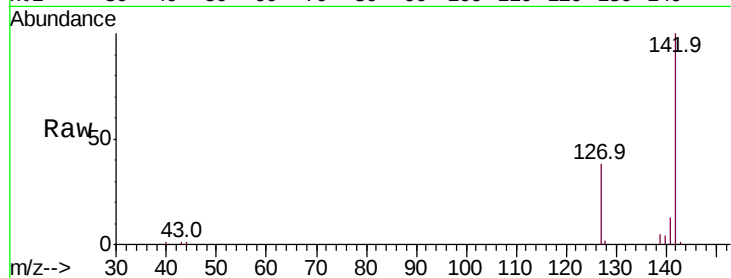
#11
Methyl Iodide
Concen: 19.768 ug/l
RT: 3.95 min Scan# 676
Delta R.T. -0.00 min
Lab File: VN056900.D
Acq: 24 Jul 2019 1:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
142	100		
127	37.8	19.6	58.8
141	13.2	7.2	21.6

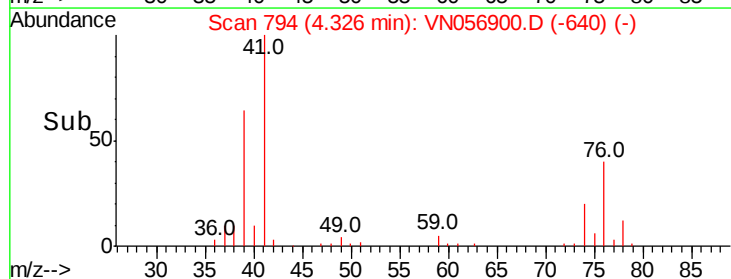
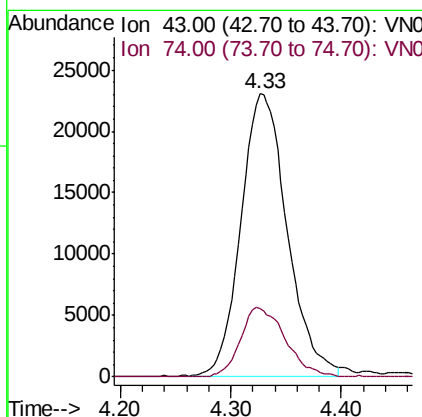
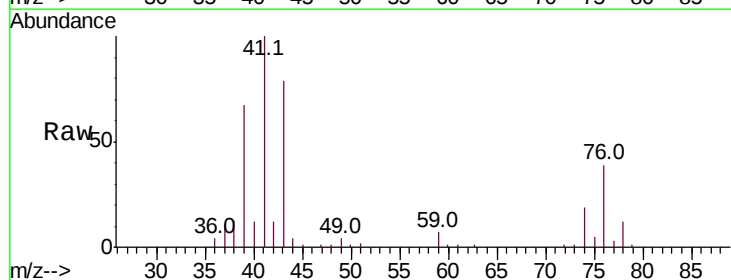
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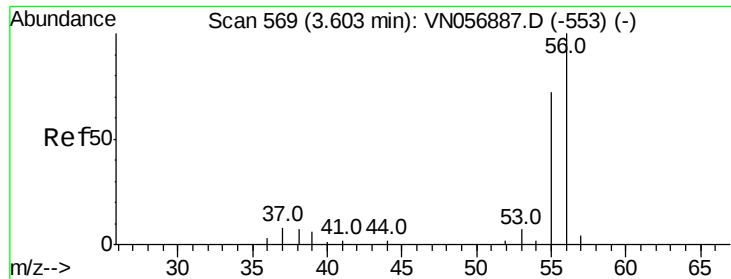
MMDadoda
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#12
Methyl Acetate
Concen: 17.354 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN056900.D
Acq: 24 Jul 2019 1:55

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.7	18.1	27.1





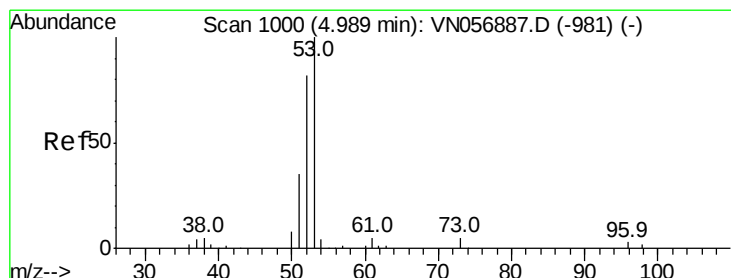
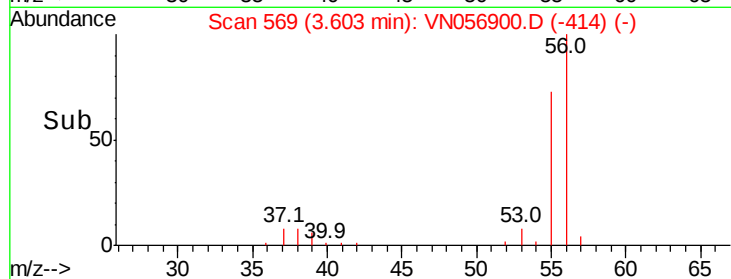
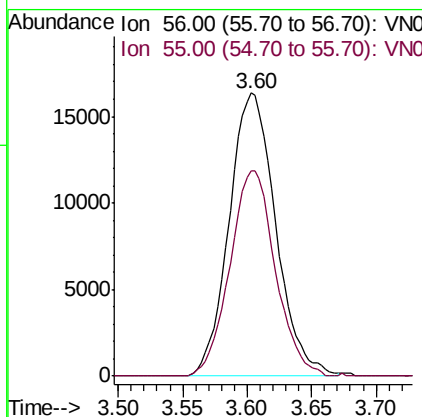
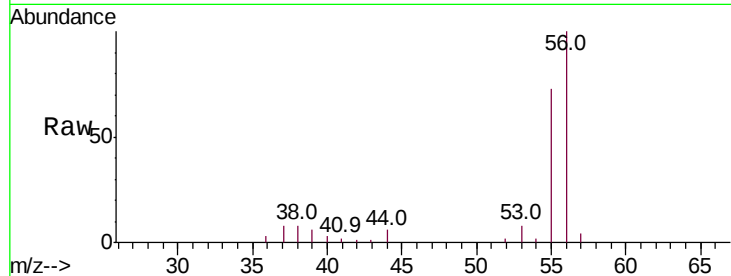
#13
Acrolein
Concen: 94.042 ug/l
RT: 3.60 min Scan# 569
Delta R.T. -0.00 min
Lab File: VN056900.D
Acq: 24 Jul 2019 1:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 56 Resp: 41143
Ion Ratio Lower Upper
56 100
55 70.7 58.5 87.7

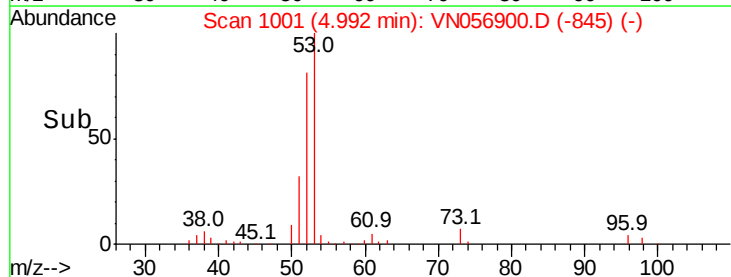
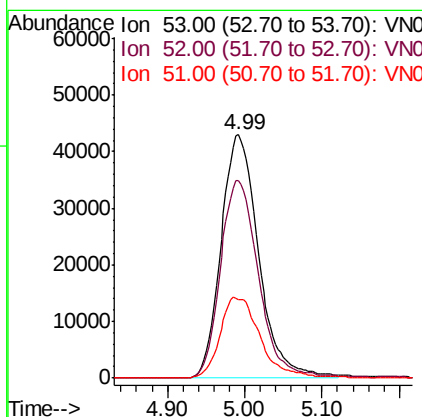
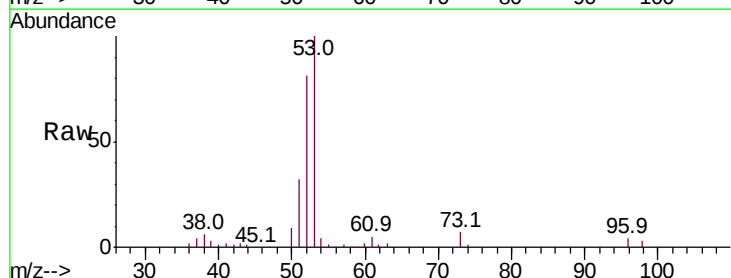
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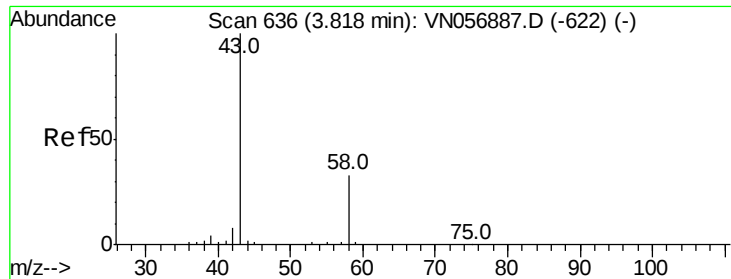
MMDadoda
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#14
Acrylonitrile
Concen: 97.351 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. 0.00 min
Lab File: VN056900.D
Acq: 24 Jul 2019 1:55

Tgt Ion: 53 Resp: 145133
Ion Ratio Lower Upper
53 100
52 81.8 40.8 122.5
51 18.6 17.4 52.2





#15

Acetone

Concen: 99.336 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN056900.D

Acq: 24 Jul 2019 1:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 58 Resp: 38287

Ion Ratio Lower Upper

58 100

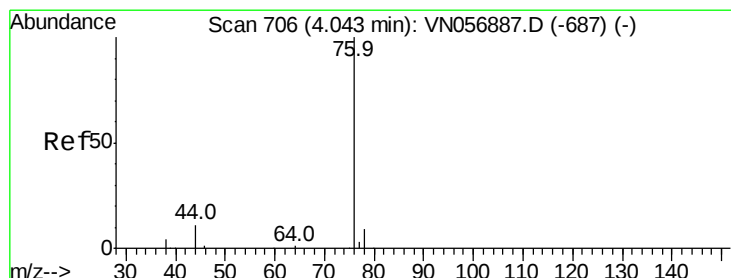
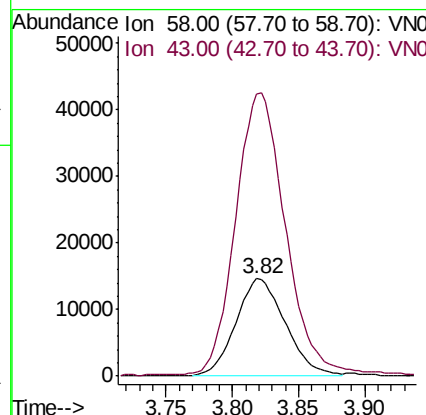
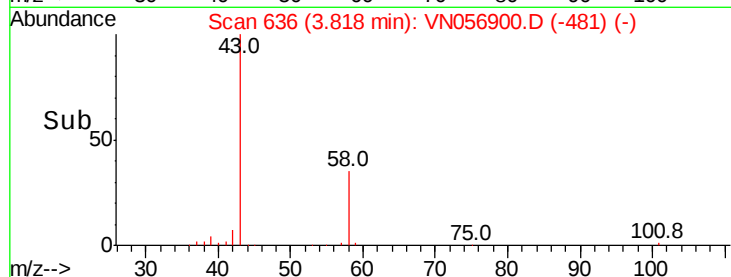
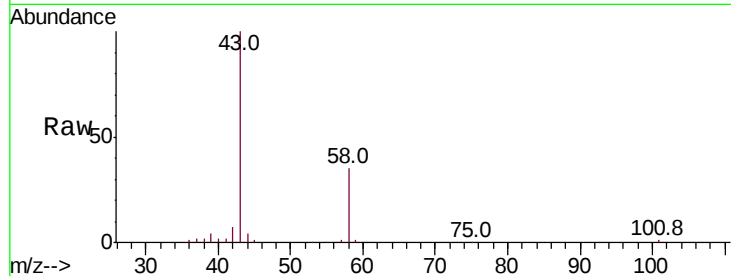
43 286.7 242.4 363.6

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#16

Carbon Disulfide

Concen: 19.541 ug/l

RT: 4.04 min Scan# 706

Delta R.T. -0.00 min

Lab File: VN056900.D

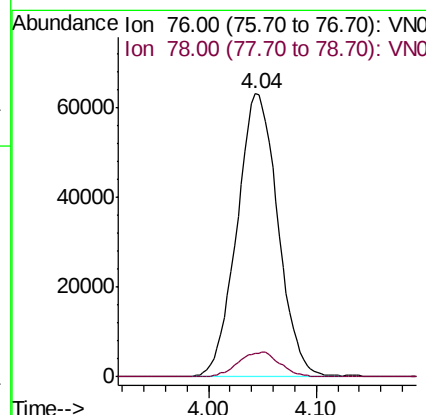
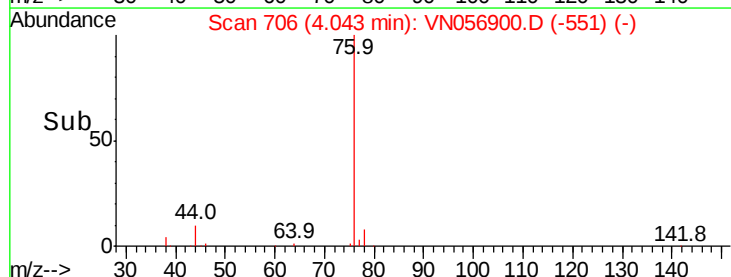
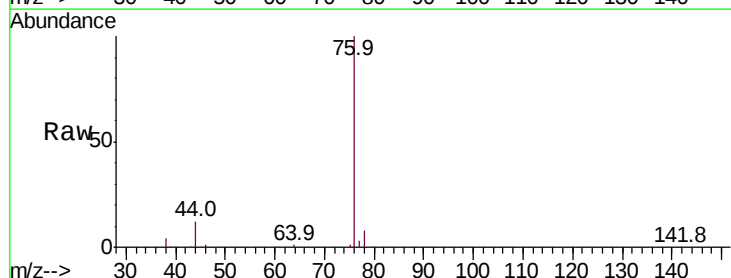
Acq: 24 Jul 2019 1:55

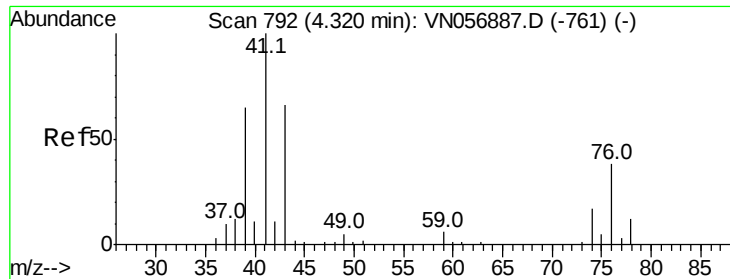
Tgt Ion: 76 Resp: 166436

Ion Ratio Lower Upper

76 100

78 8.1 7.1 10.7





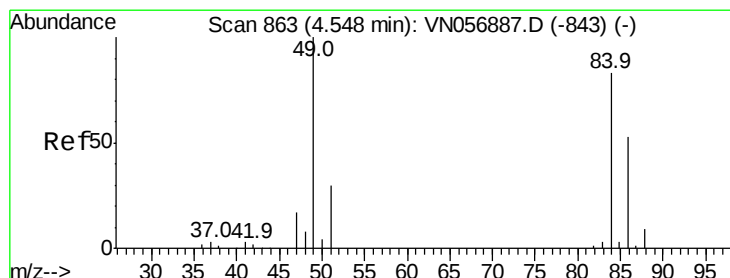
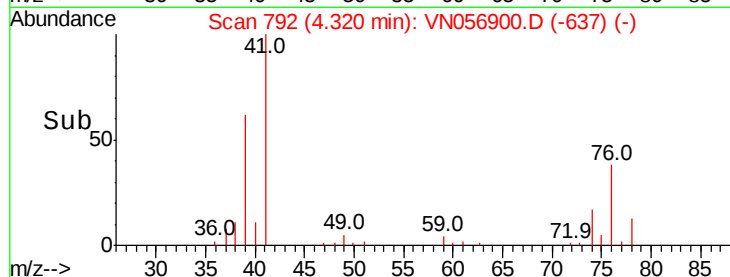
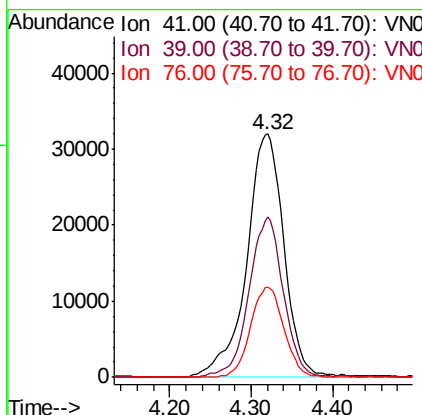
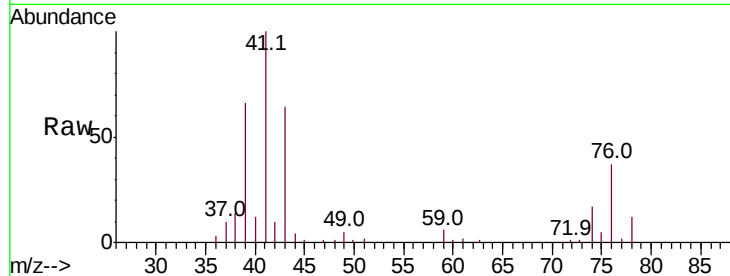
#17
Allvl chloride
Concen: 19.116 ug/l
RT: 4.32 min Scan# 792
Delta R.T. -0.00 min
Lab File: VN056900.D
Acq: 24 Jul 2019 1:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	65.7	32.4	97.0
76	37.2	19.0	57.0

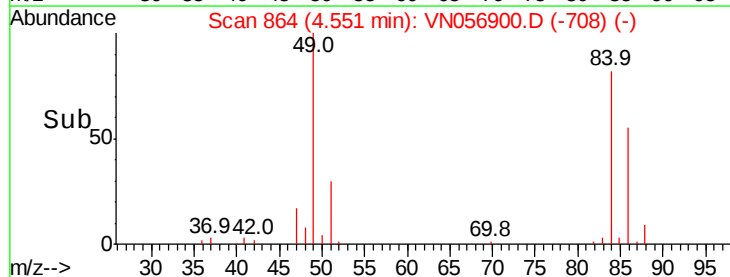
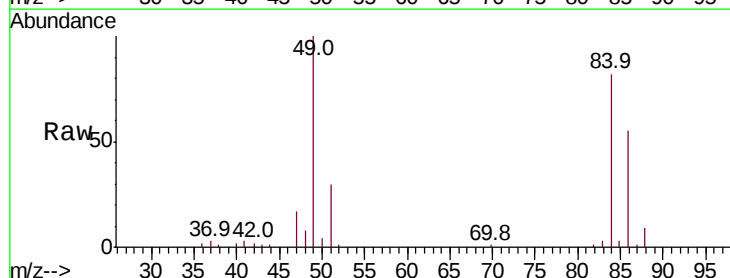
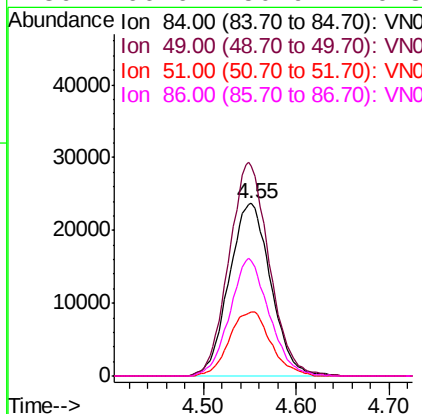
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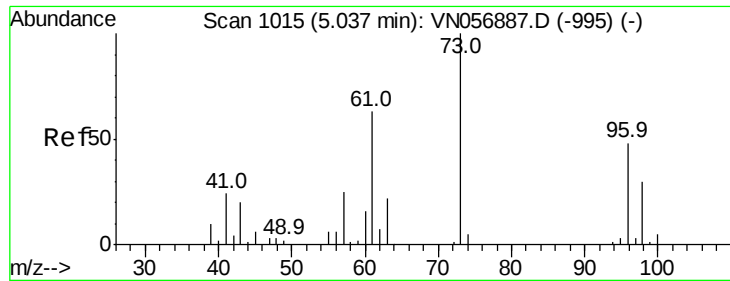
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#18
Methylene Chloride
Concen: 20.175 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN056900.D
Acq: 24 Jul 2019 1:55

Tgt Ion	Ratio	Lower	Upper
84	100		
49	121.8	96.3	144.5
51	36.9	28.8	43.2
86	66.6	50.9	76.3





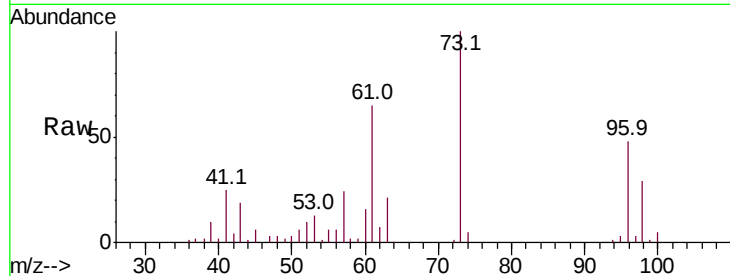
#19
trans-1,2-Dichloroethene
Concen: 20.086 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VN056900.D
Acq: 24 Jul 2019 1:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

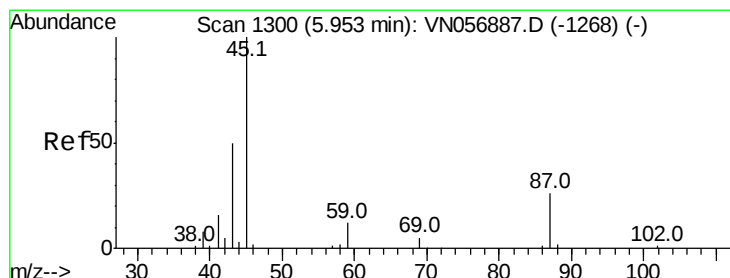
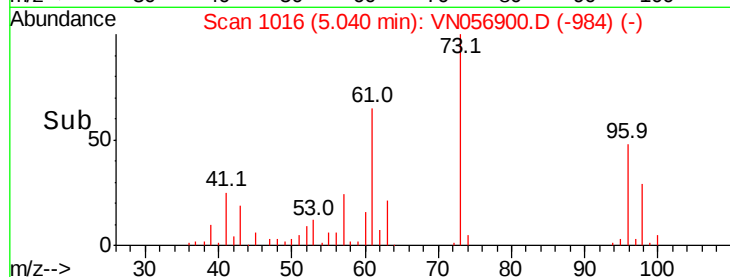
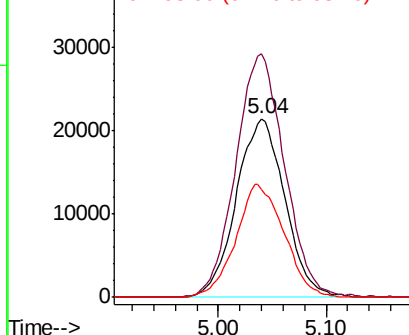
Tot Ion: 96 Resp: 67145
Ion Ratio Lower Upper
96 100
61 135.4 105.4 158.0
98 60.5 50.8 76.2

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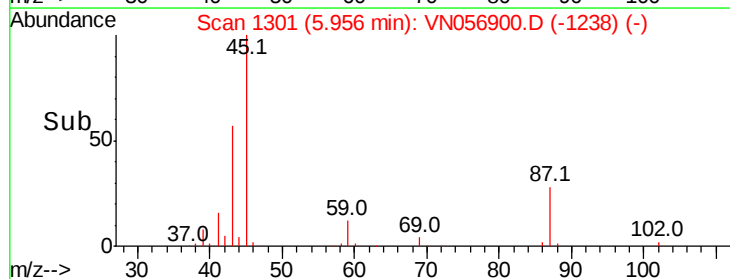
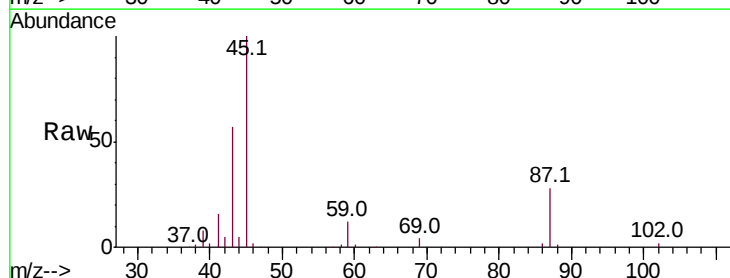
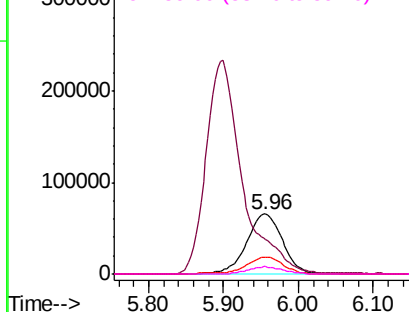
Abundance Ion 96.00 (95.70 to 96.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 98.00 (97.70 to 98.70): VNO

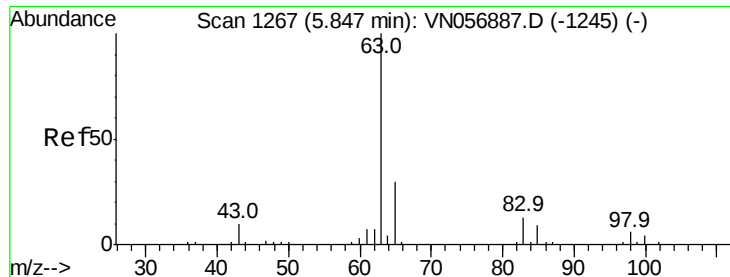


#20
Diisopropyl ether
Concen: 20.397 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN056900.D
Acq: 24 Jul 2019 1:55

Tgt Ion: 45 Resp: 218894
Ion Ratio Lower Upper
45 100
43 55.6 47.4 71.0
87 28.3 21.7 32.5
59 11.8 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





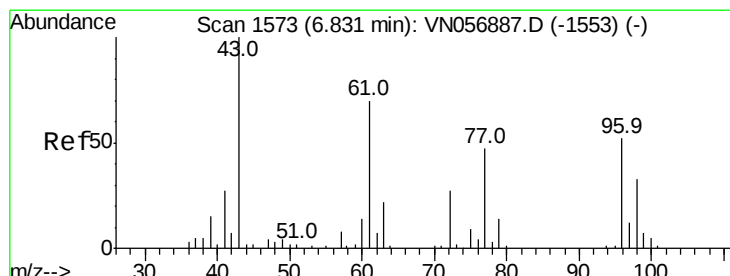
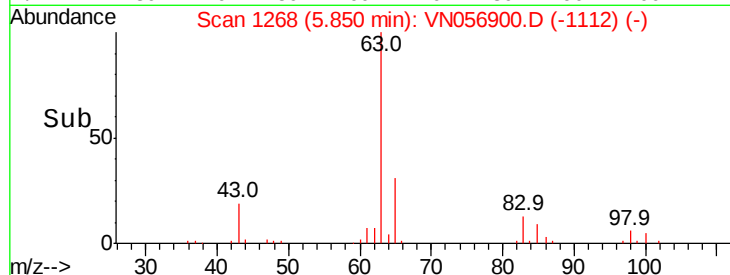
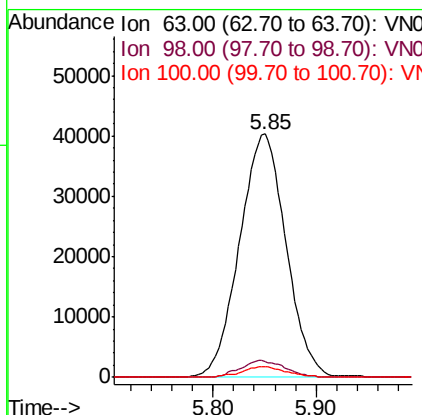
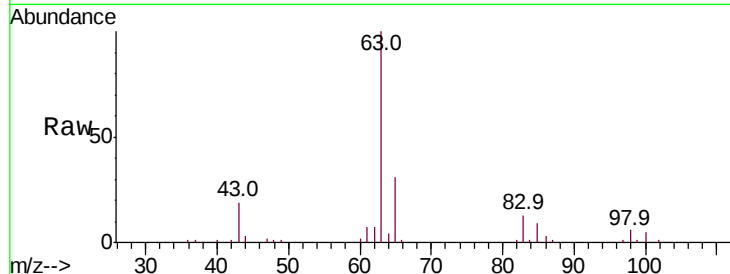
#21
 1,1-Dichloroethane
 Concen: 20.214 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN056900.D
 Acq: 24 Jul 2019 1:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
63	100			
98	6.4	3.1	9.3	
100	4.6	1.8	5.5	

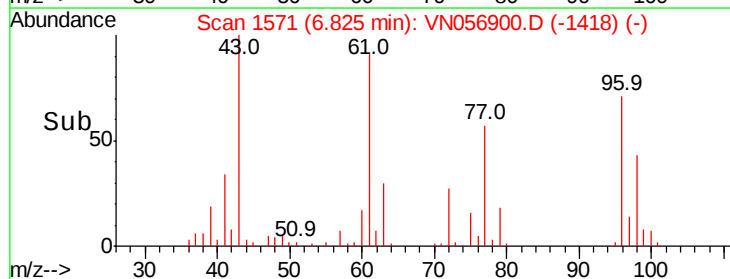
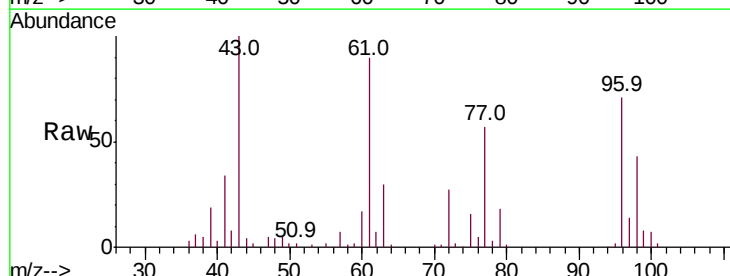
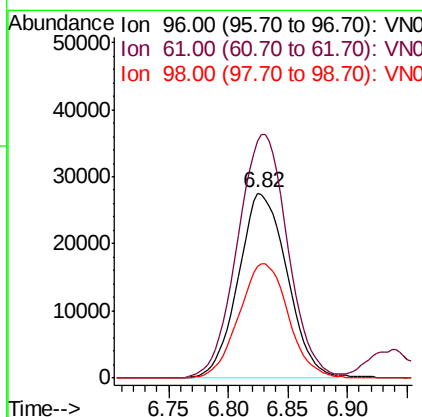
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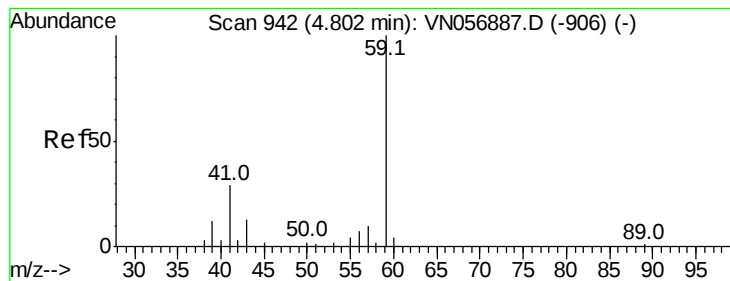
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#22
 cis-1,2-Dichloroethene
 Concen: 20.231 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: VN056900.D
 Acq: 24 Jul 2019 1:55

Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	135.4	111.6	167.4	
98	62.5	51.0	76.4	





#23

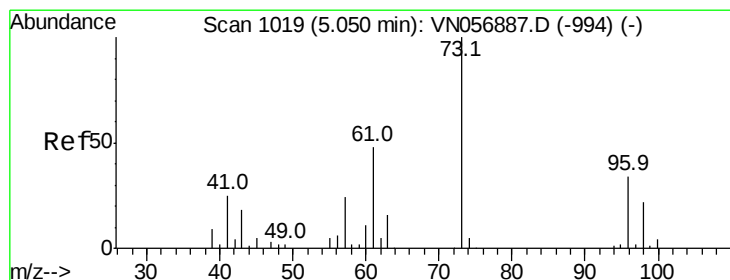
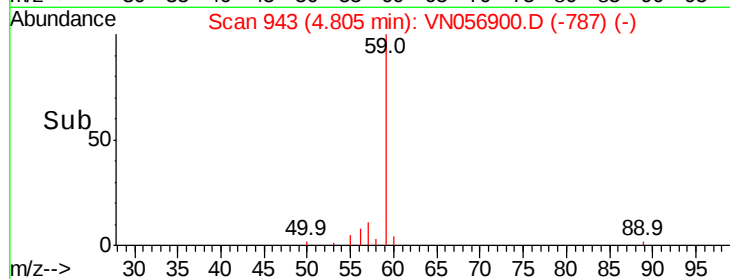
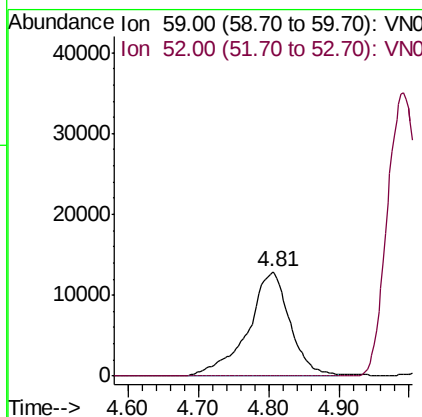
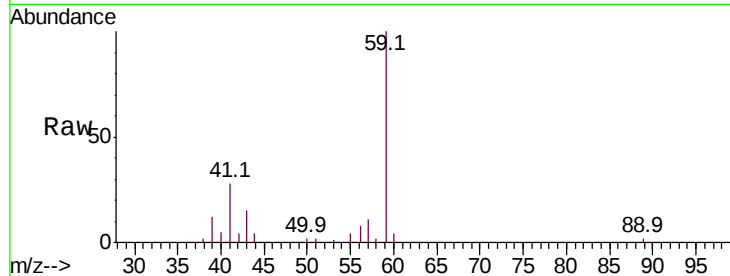
tert-Butyl Alcohol
 Concen: 107.895 ug/l
 RT: 4.81 min Scan# 943
 Delta R.T. 0.00 min
 Lab File: VN056900.D
 Acq: 24 Jul 2019 1:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

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

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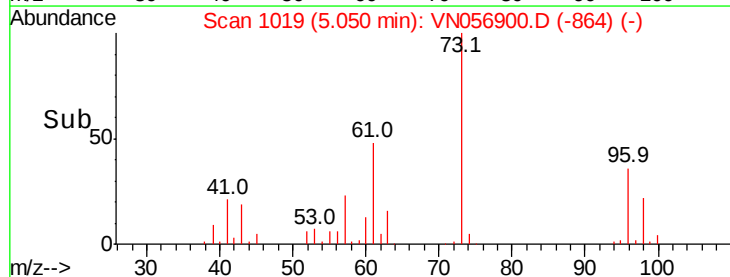
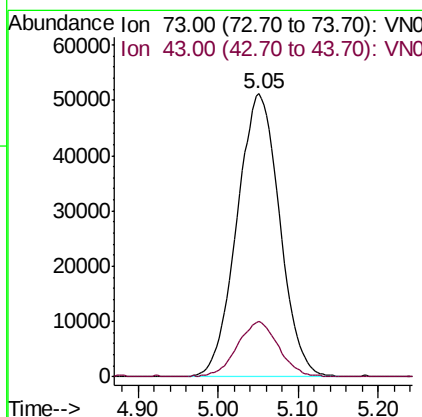
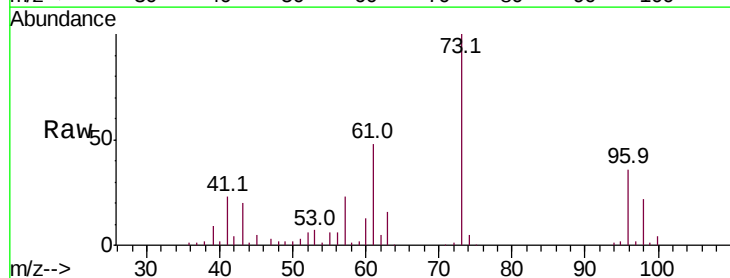
MMDadoda
 7/25/2019 2:20:34 PM

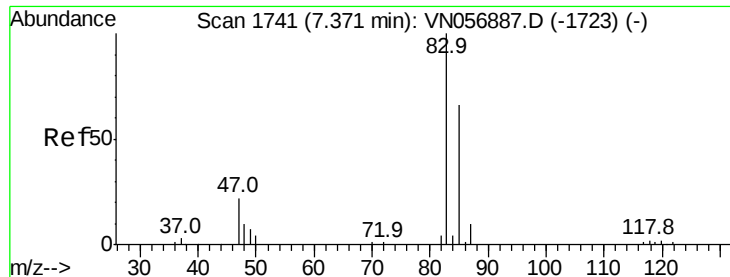


#24

Methyl tert-Butyl Ether
 Concen: 19.487 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VN056900.D
 Acq: 24 Jul 2019 1:55

Tgt Ion	73	43	Ratio	Lower	Upper
73	100				
43	18.5		15.4	23.0	





#25

Chloroform

Concen: 19.808 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VN056900.D

Acq: 24 Jul 2019 1:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 83 Resp: 120515

Ion Ratio Lower Upper

83 100

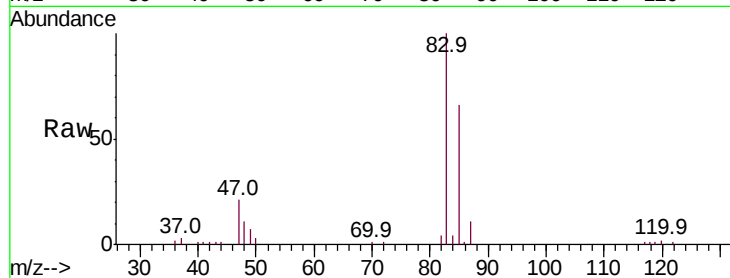
85 66.3 53.1 79.7

Manual Integrations

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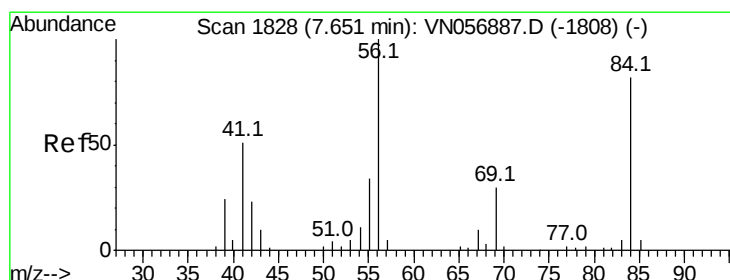
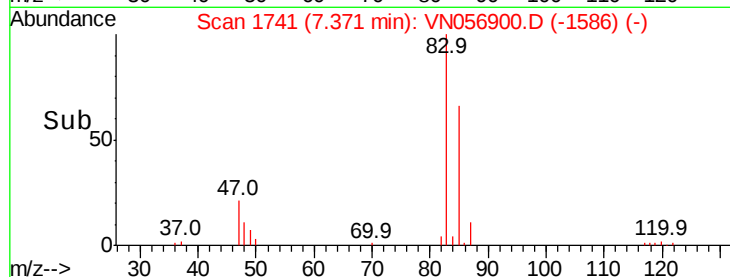
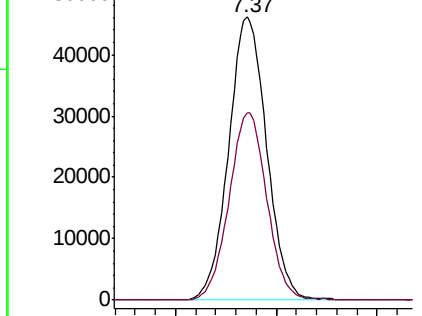
MMDadoda

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Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0



#26

Cyclohexane

Concen: 19.719 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN056900.D

Acq: 24 Jul 2019 1:55

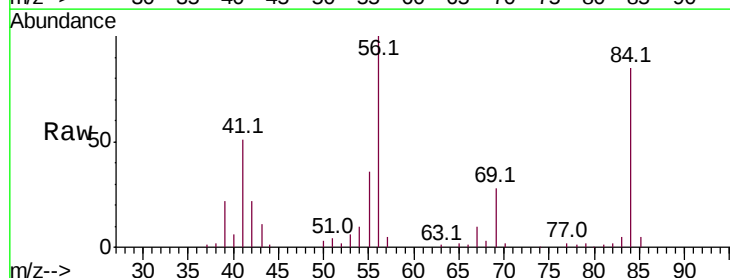
Tgt Ion: 56 Resp: 112972

Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

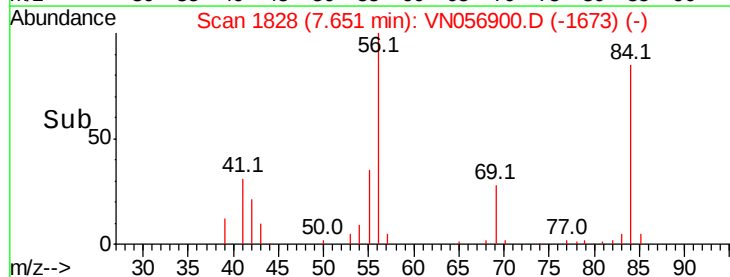
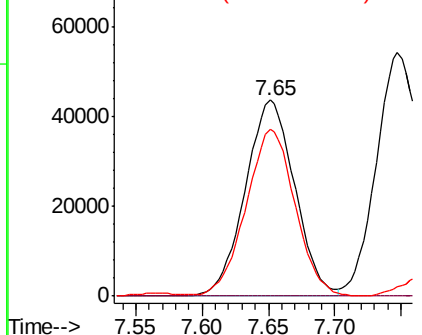
84 84.4 67.8 101.6

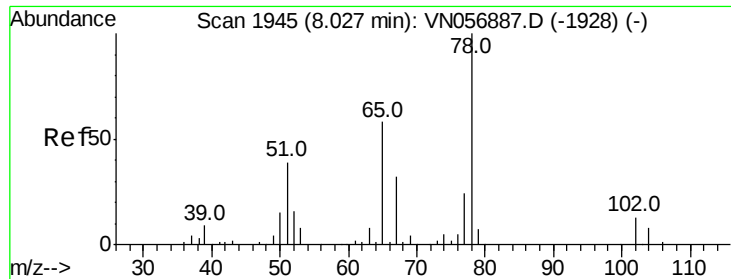


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 89.00 (88.70 to 89.70): VN0

Ion 84.00 (83.70 to 84.70): VN0





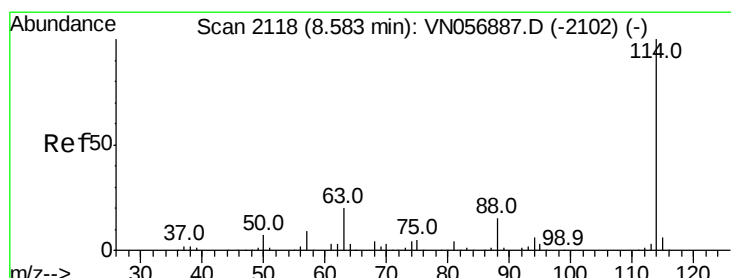
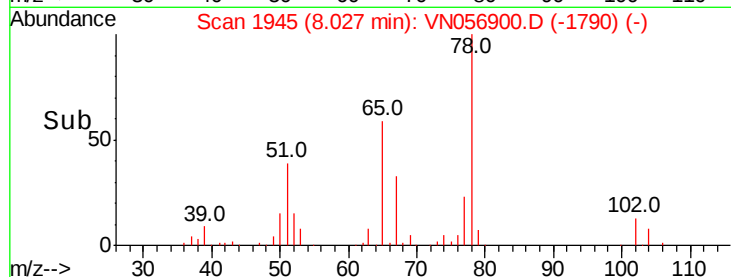
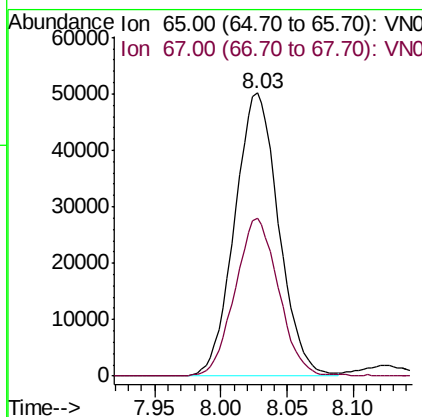
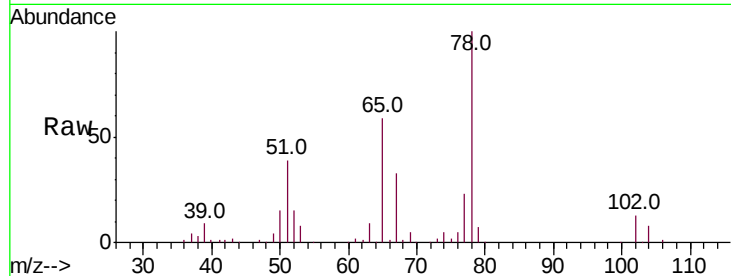
#27
 1,2-Dichloroethane-d4
 Concen: 29.890 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN056900.D
 Acq: 24 Jul 2019 1:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 65 Resp: 115734
 Ion Ratio Lower Upper
 65 100
 67 54.9 44.6 66.8

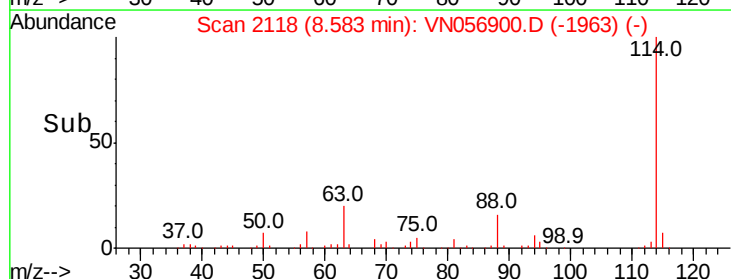
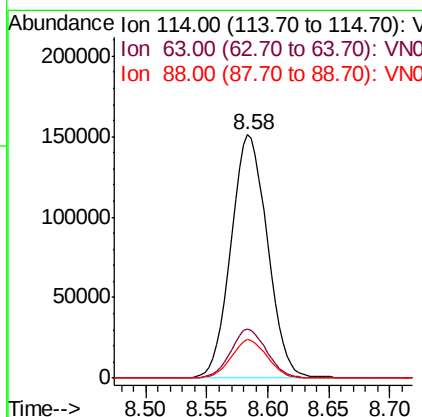
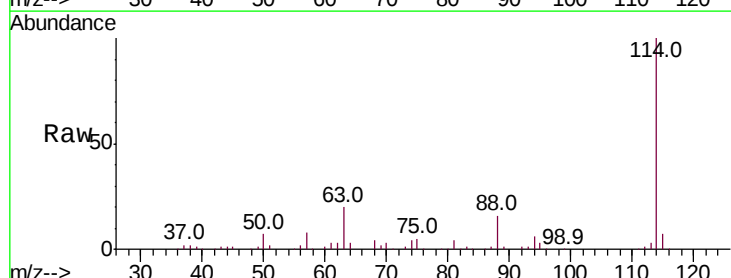
Manual Integrations
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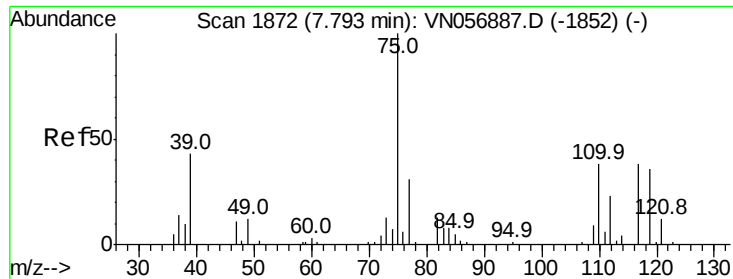
MMDadoda
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#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN056900.D
 Acq: 24 Jul 2019 1:55

Tgt Ion: 114 Resp: 313841
 Ion Ratio Lower Upper
 114 100
 63 19.9 15.8 23.6
 88 15.6 12.5 18.7





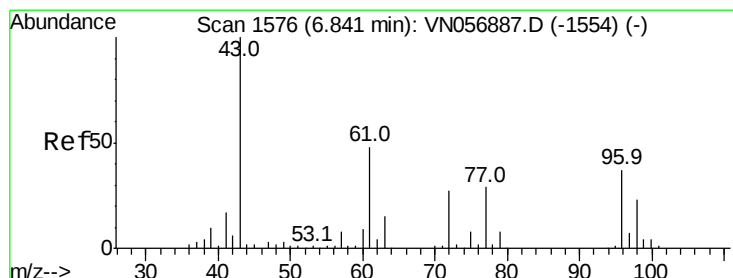
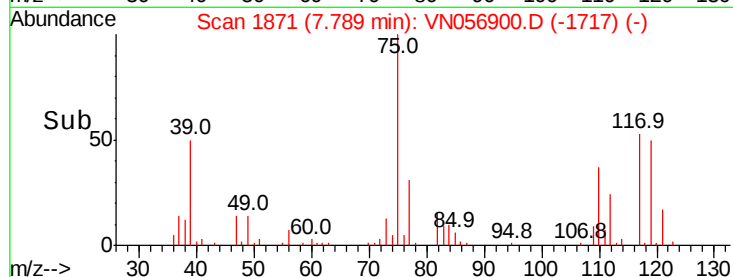
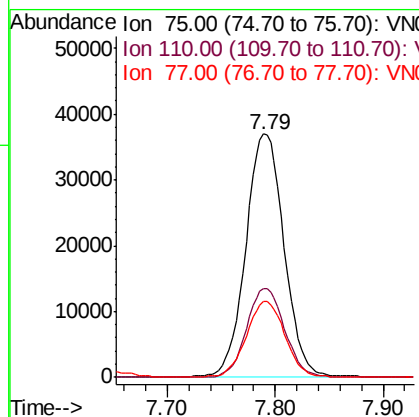
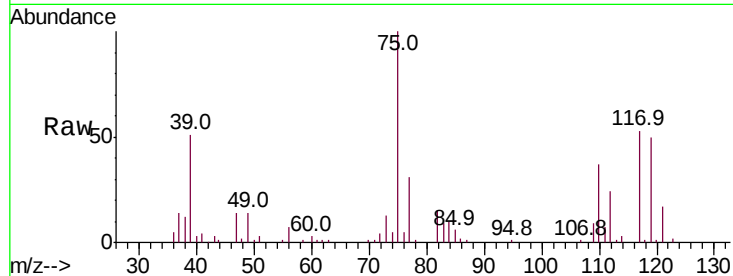
#29
 1,1-Dichloropropene
 Concen: 20.507 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN056900.D
 Acq: 24 Jul 2019 1:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
110	36.1	0.0	75.8
77	31.3	0.0	64.0

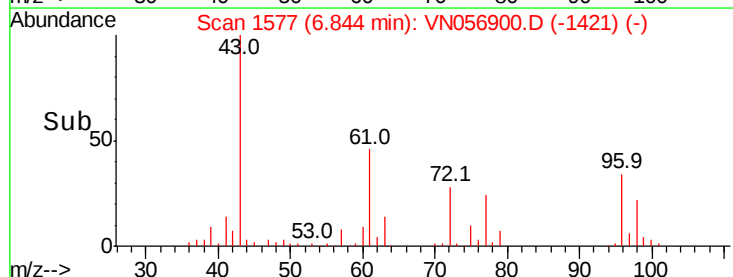
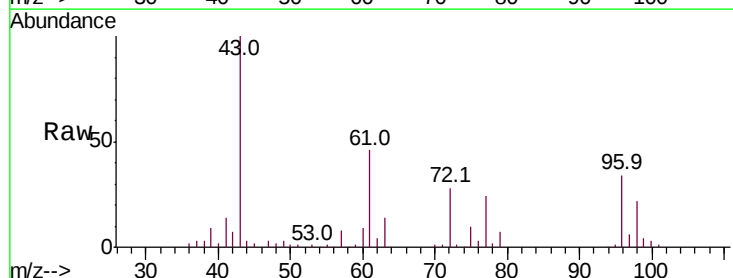
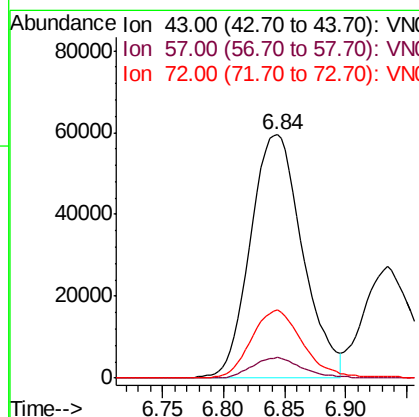
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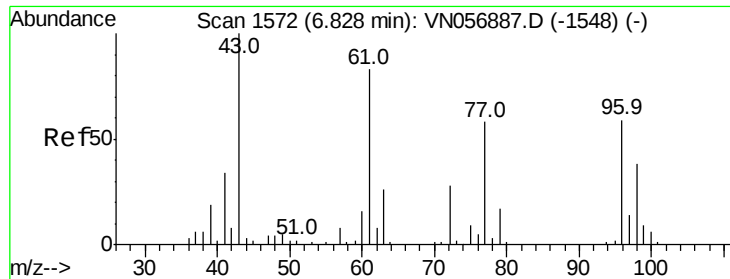
MMDadoda
 7/25/2019 2:20:34 PM



#30
 2-Butanone
 Concen: 97.863 ug/l
 RT: 6.84 min Scan# 1577
 Delta R.T. 0.00 min
 Lab File: VN056900.D
 Acq: 24 Jul 2019 1:55

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.0	6.5	9.7
72	27.7	22.1	33.1





#31

2,2-Dichloropropane

Concen: 16.870 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN056900.D

Acq: 24 Jul 2019 1:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 77 Resp: 69724

Ion Ratio Lower Upper

77 100

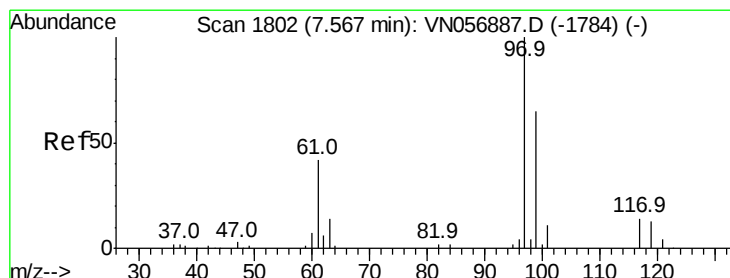
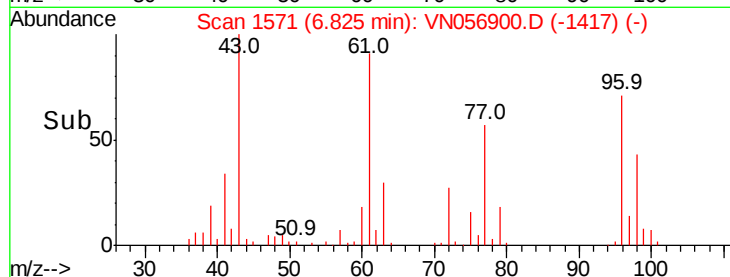
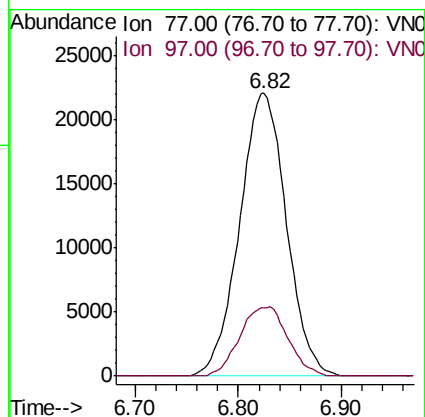
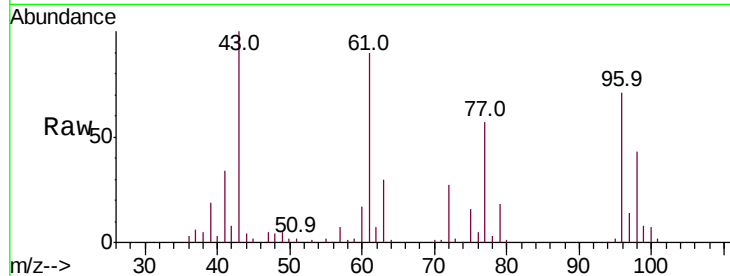
97 25.1 19.3 28.9

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 20.359 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN056900.D

Acq: 24 Jul 2019 1:55

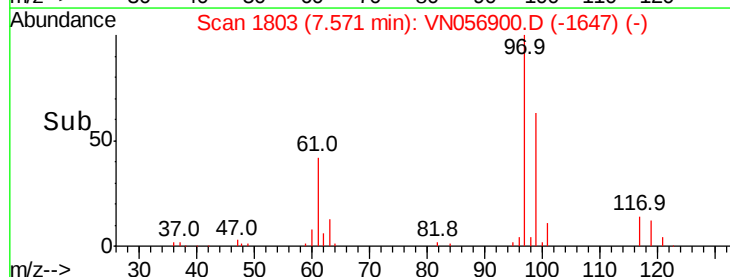
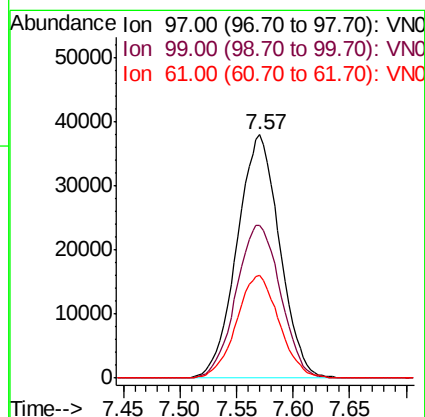
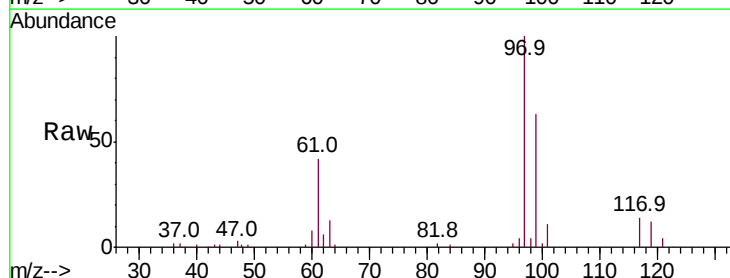
Tgt Ion: 97 Resp: 99629

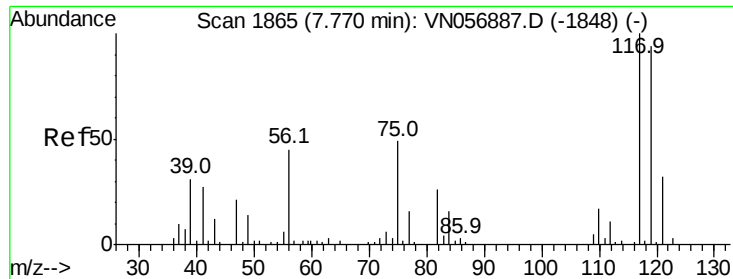
Ion Ratio Lower Upper

97 100

99 65.3 52.3 78.5

61 42.4 34.4 51.6





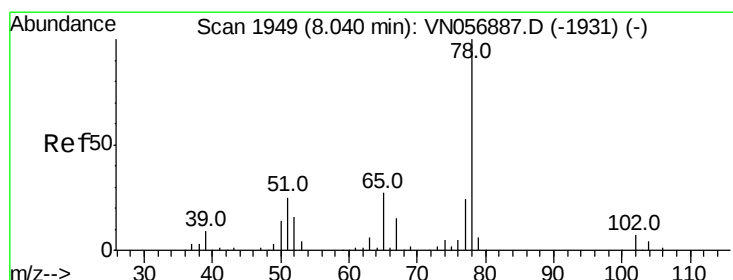
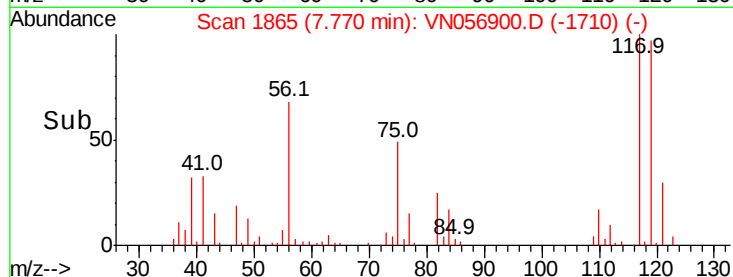
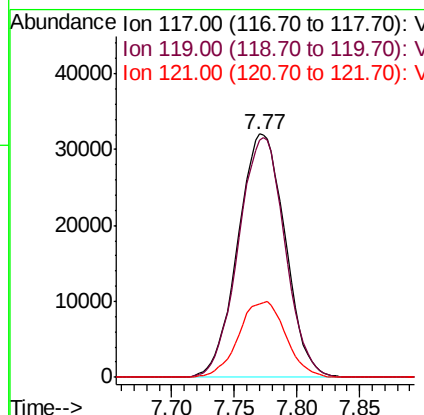
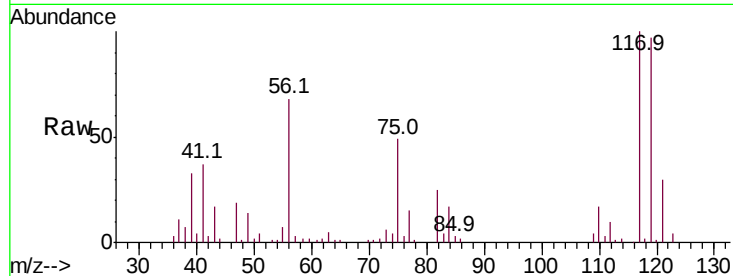
#33
Carbon Tetrachloride
Concen: 19.639 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN056900.D
Acq: 24 Jul 2019 1:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
119	97.2	75.1	112.7
121	29.9	25.8	38.8

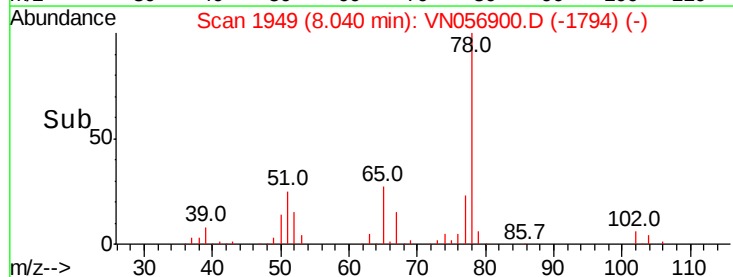
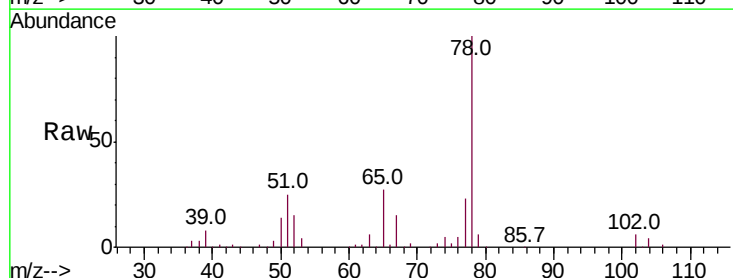
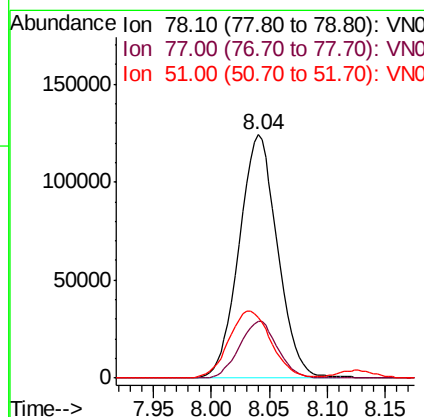
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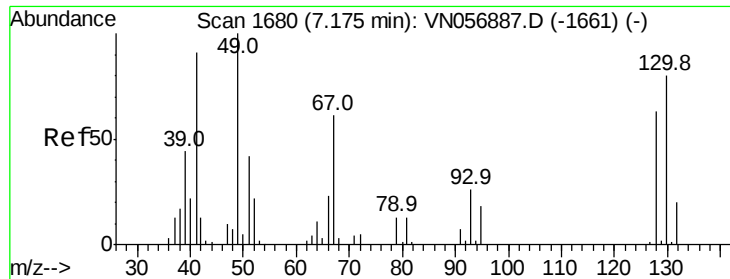
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#34
Benzene
Concen: 20.367 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN056900.D
Acq: 24 Jul 2019 1:55

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.4	29.2
51	24.6	20.4	30.6





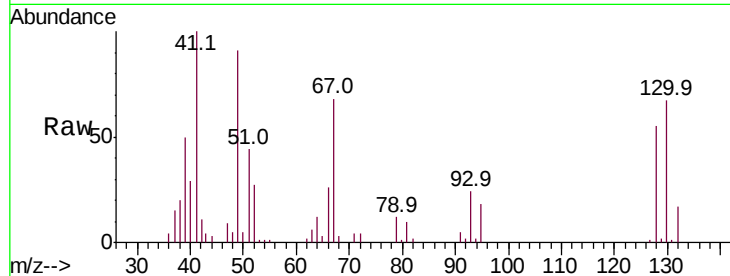
#35
Methacrylonitrile
Concen: 16.266 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN056900.D
Acq: 24 Jul 2019 1:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

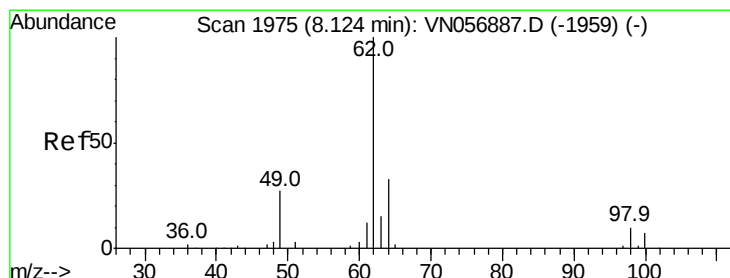
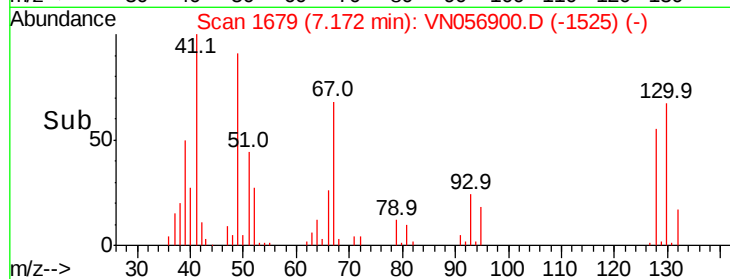
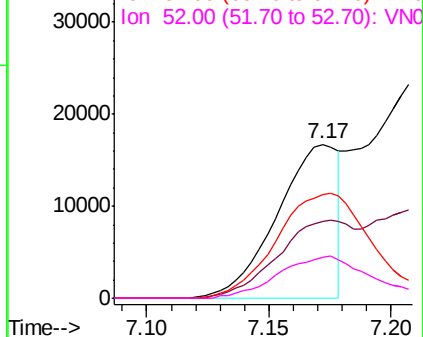
Tot Ion	Ratio	Lower	Upper
41	100		
39	49.8	24.4	73.2
67	67.6	33.4	100.1
52	26.7	12.1	36.3

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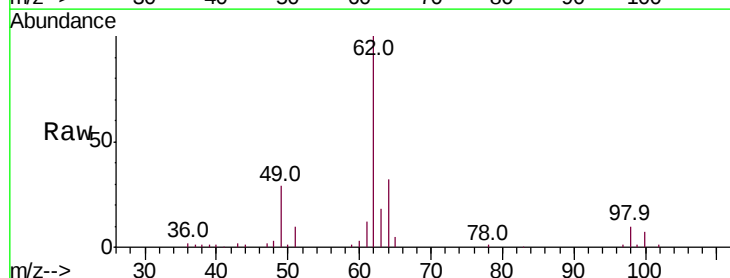


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

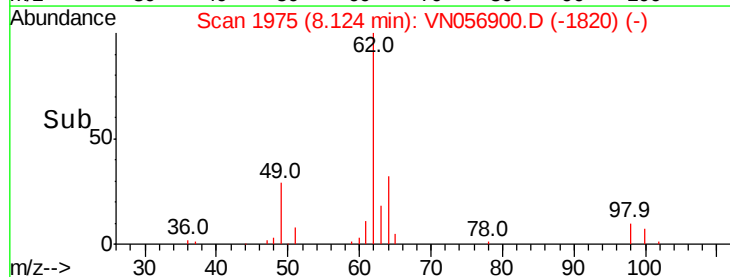
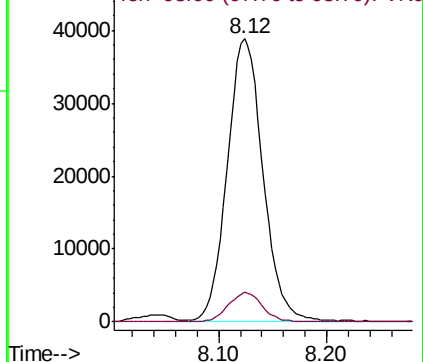


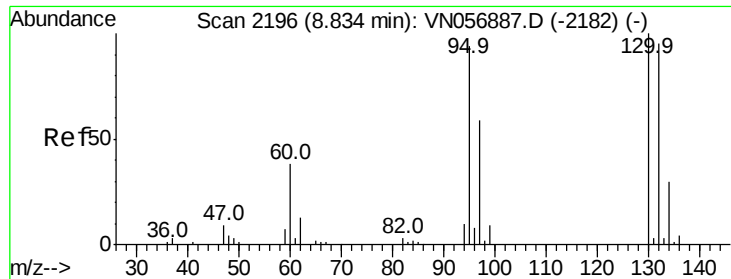
#36
1,2-Dichloroethane
Concen: 20.654 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN056900.D
Acq: 24 Jul 2019 1:55

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





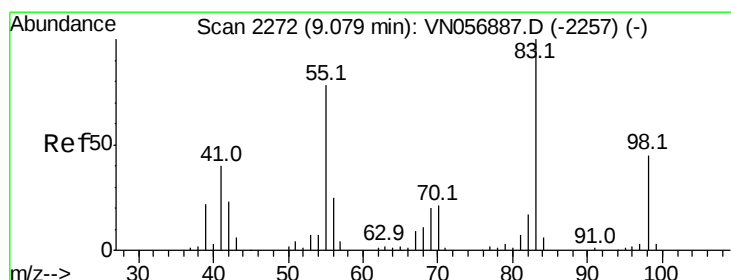
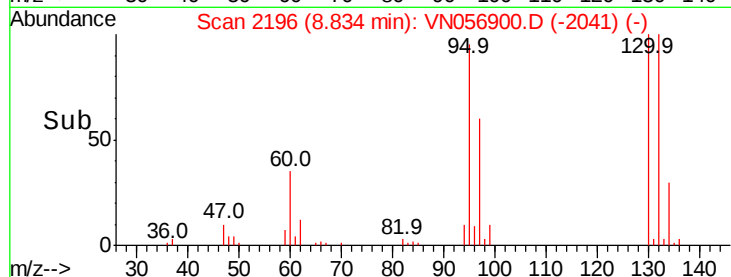
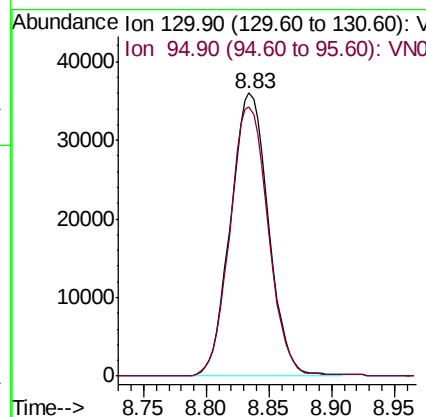
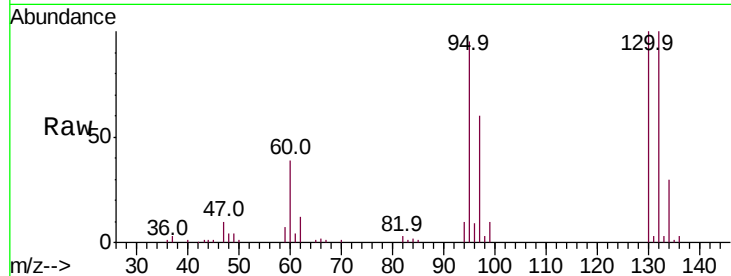
#37
 Trichloroethene
 Concen: 20.093 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN056900.D
 Acq: 24 Jul 2019 1:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:130 Resp: 75595
 Ion Ratio Lower Upper
 130 100
 95 95.0 74.9 112.3

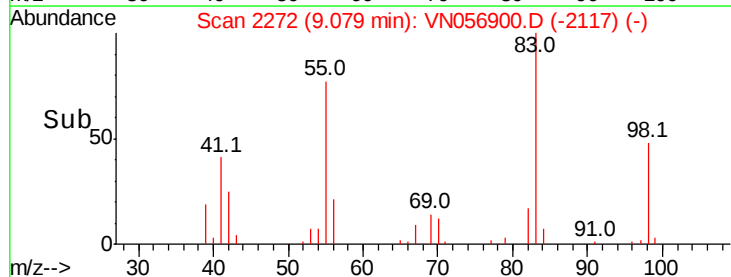
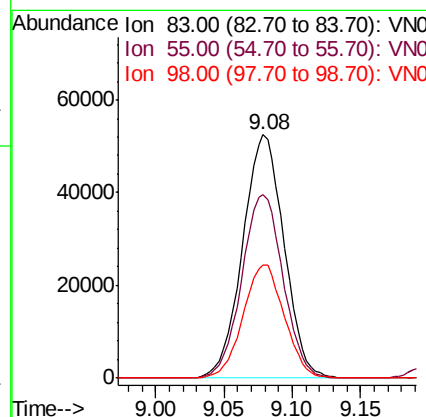
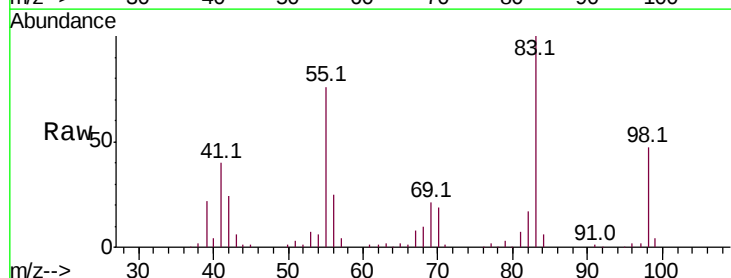
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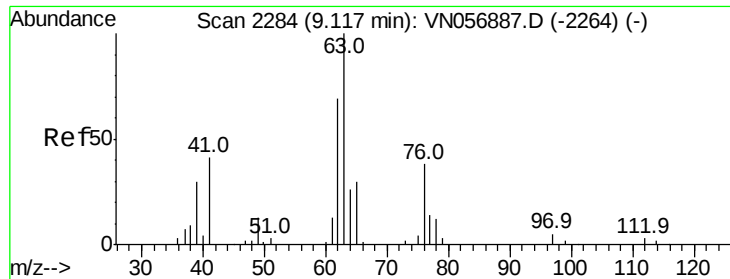
MMDadoda
 7/25/2019 2:20:34 PM



#38
 Methylcyclohexane
 Concen: 19.485 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VN056900.D
 Acq: 24 Jul 2019 1:55

Tgt Ion: 83 Resp: 110393
 Ion Ratio Lower Upper
 83 100
 55 75.4 38.4 115.1
 98 46.6 22.7 68.0





#39

1,2-Dichloropropane

Concen: 20.219 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN056900.D

Acq: 24 Jul 2019 1:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 63 Resp: 75738

Ion Ratio Lower Upper

63 100

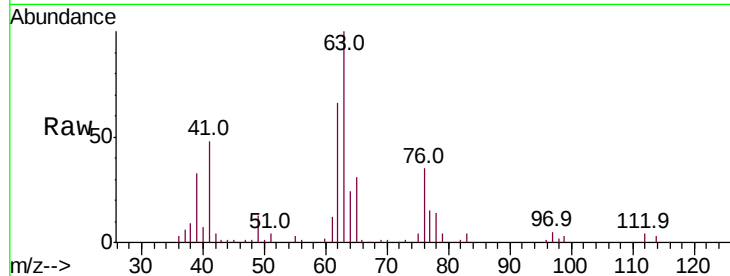
65 30.7 24.6 36.8

Manual Integrations

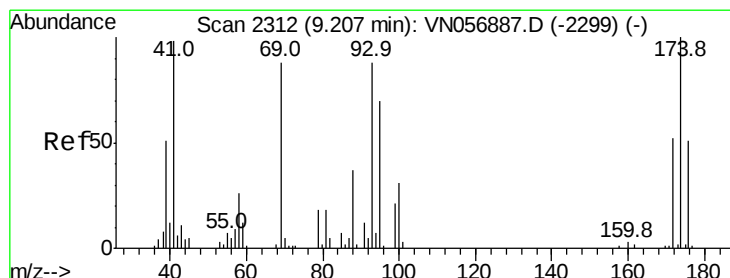
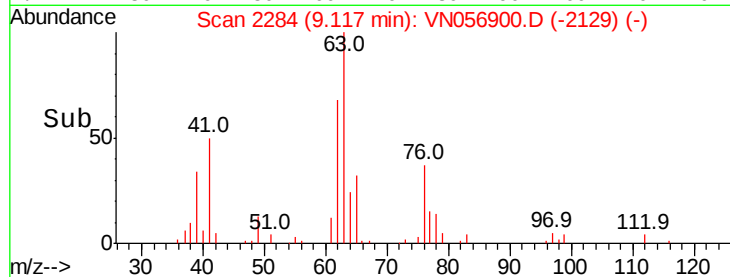
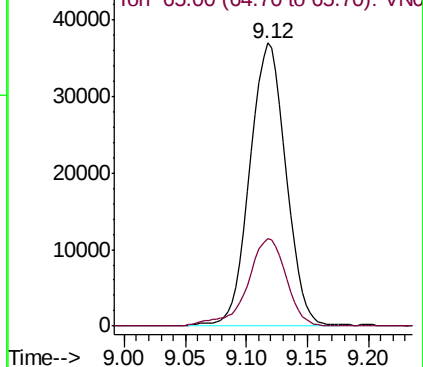
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Abundance Ion 63.00 (62.70 to 63.70): VN056900.D (-2129) (-)



#40

Dibromomethane

Concen: 20.237 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN056900.D

Acq: 24 Jul 2019 1:55

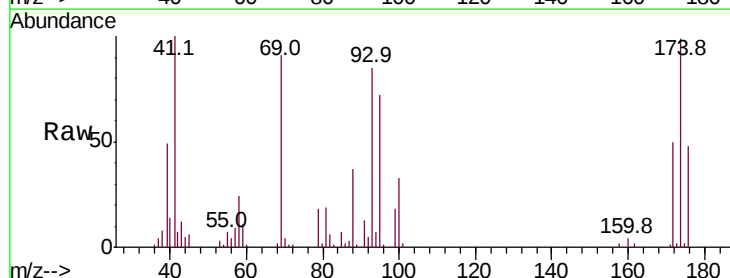
Tgt Ion: 93 Resp: 46502

Ion Ratio Lower Upper

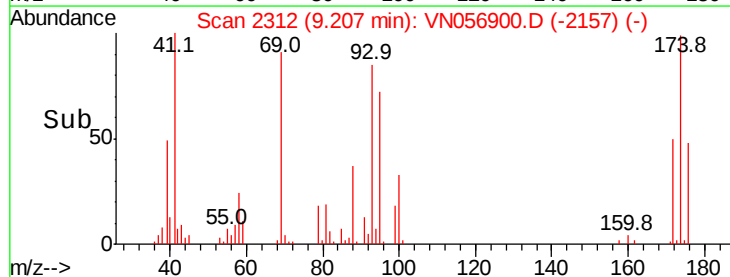
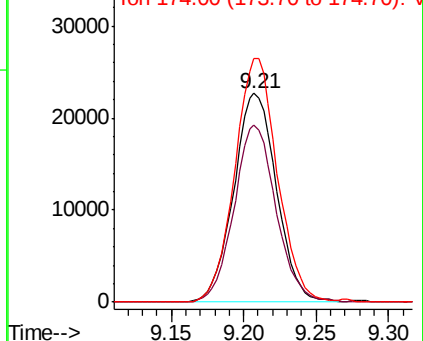
93 100

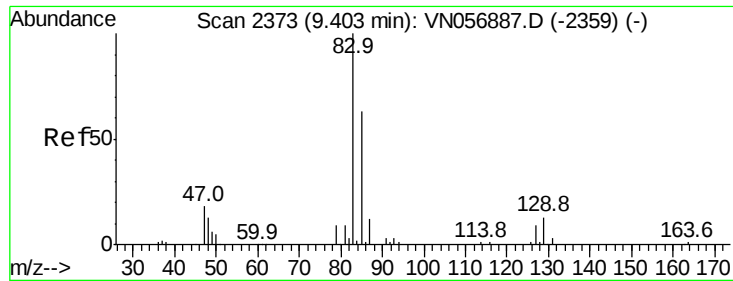
95 83.2 0.0 165.8

174 116.2 0.0 232.4



Abundance Ion 93.00 (92.70 to 93.70): VN056900.D (-2157) (-)





#41

Bromodichloromethane

Concen: 19.744 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN056900.D

Acq: 24 Jul 2019 1:55

Instrument :

MSVOA_N

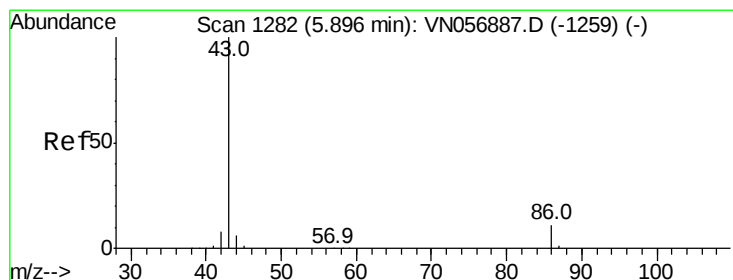
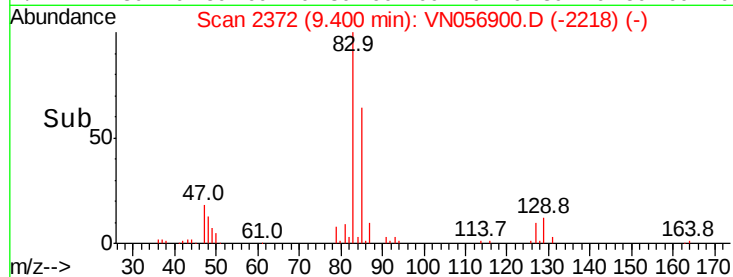
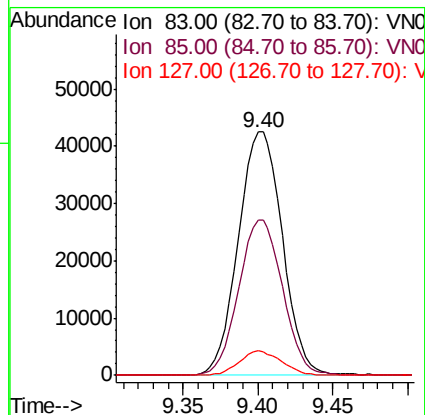
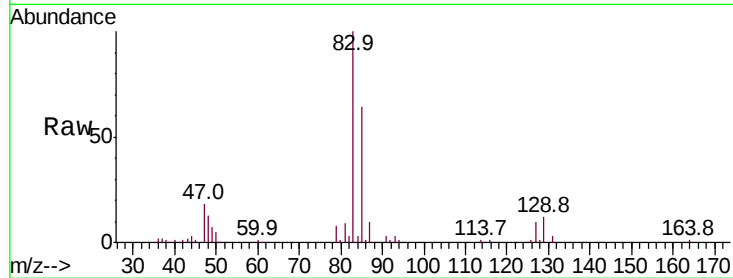
ClientSampleId :

VSTDCCC020EC

Tot Ion:	83	Resp:	87183
Ion Ratio	Lower	Upper	
83	100		
85	63.7	50.6	75.8
127	9.9	7.2	10.8

Manual Integrations
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#42

Vinyl Acetate

Concen: 98.555 ug/l

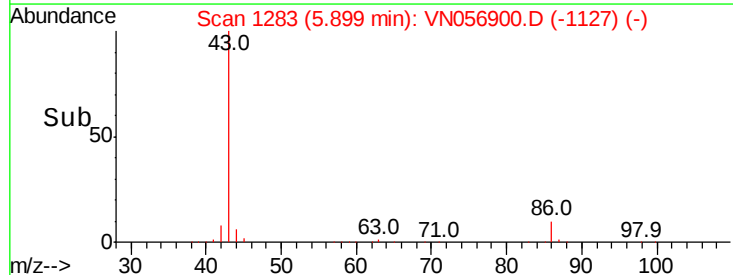
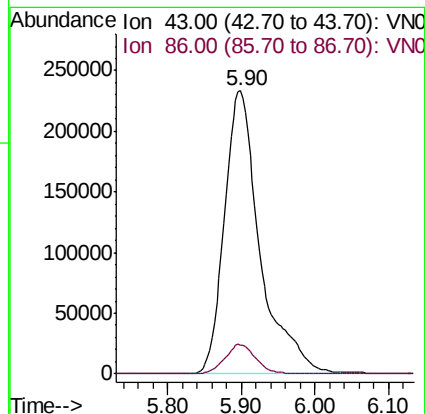
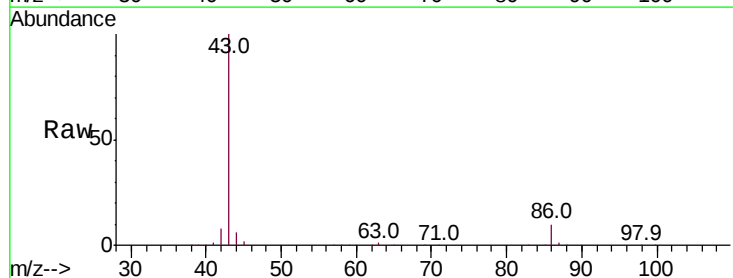
RT: 5.90 min Scan# 1283

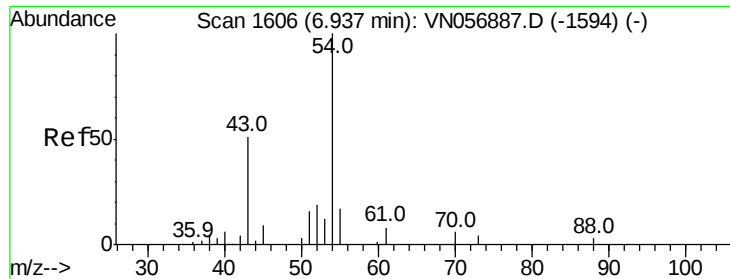
Delta R.T. 0.00 min

Lab File: VN056900.D

Acq: 24 Jul 2019 1:55

Tgt Ion:	43	Resp:	785332
Ion Ratio	Lower	Upper	
43	100		
86	9.1	7.4	11.2





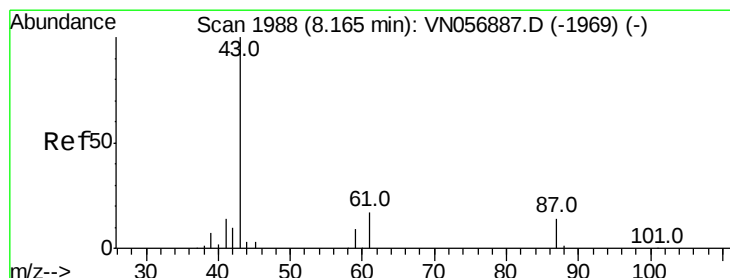
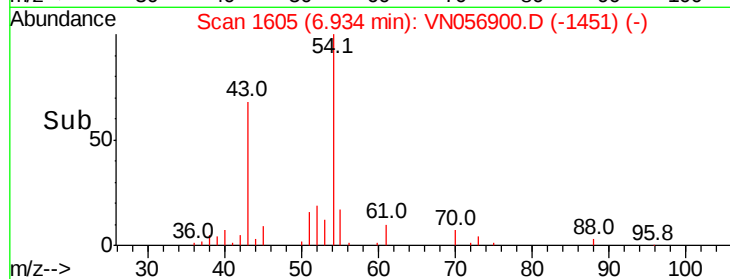
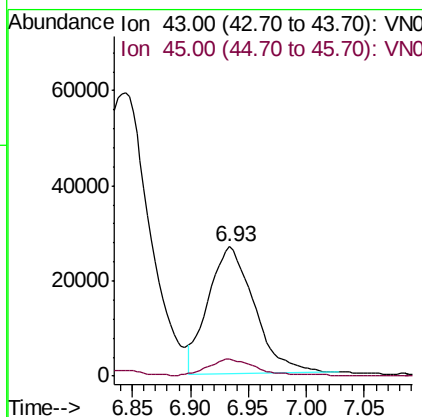
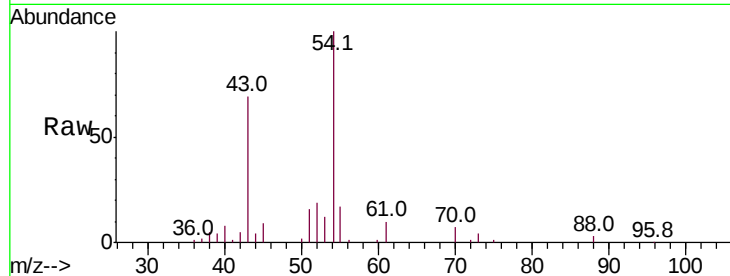
#43
Ethyl Acetate
Concen: 20.107 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN056900.D
Acq: 24 Jul 2019 1:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 43 Resp: 73757
Ion Ratio Lower Upper
43 100
45 12.1 10.2 15.2

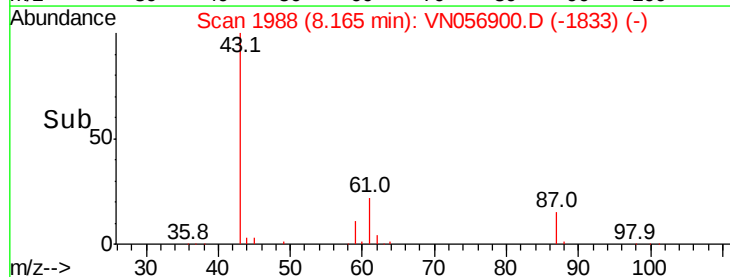
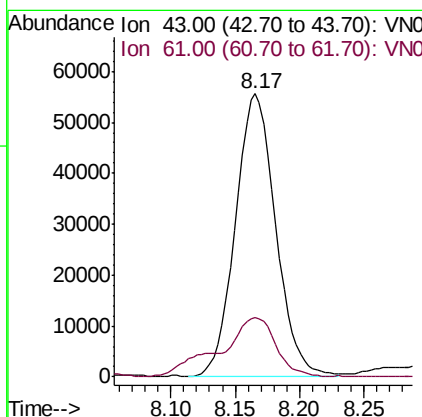
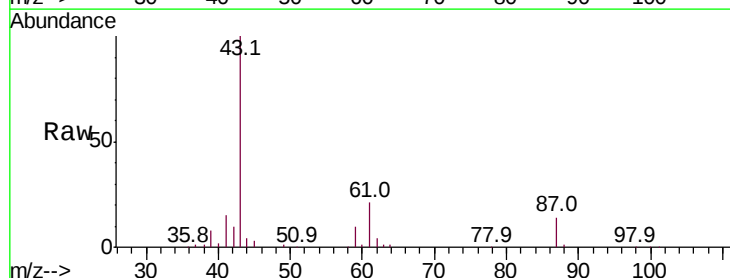
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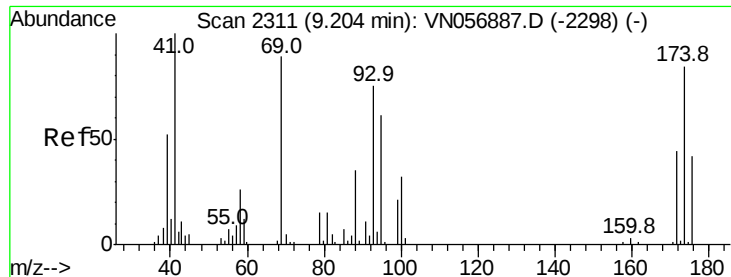
MMDadoda
7/25/2019 2:20:34 PM



#44
Isopropyl Acetate
Concen: 19.623 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VN056900.D
Acq: 24 Jul 2019 1:55

Tgt Ion: 43 Resp: 119984
Ion Ratio Lower Upper
43 100
61 21.5 23.0 34.4#





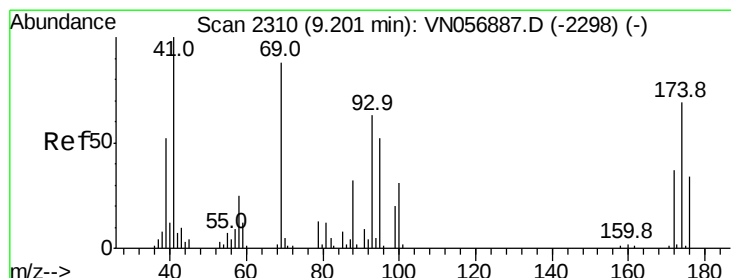
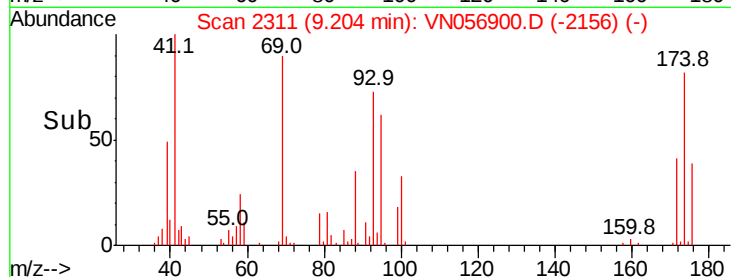
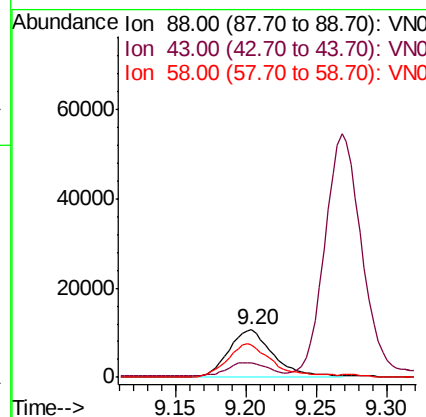
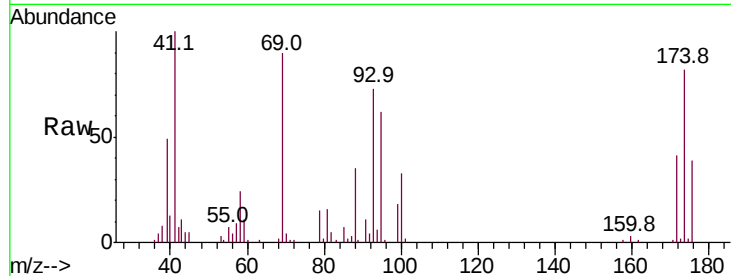
#45
 1,4-Dioxane
 Concen: 407.068 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN056900.D
 Acq: 24 Jul 2019 1:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.1	23.4	35.0
58	71.2	58.5	87.7

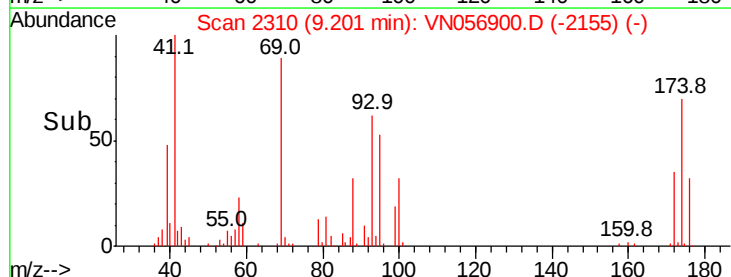
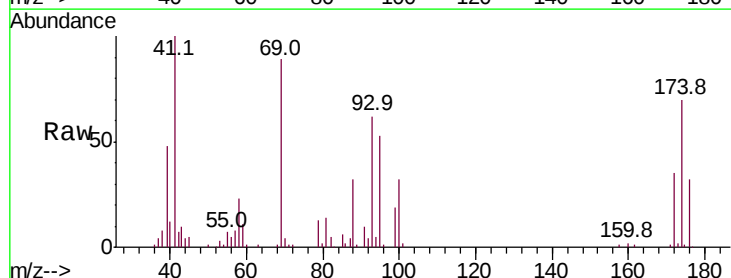
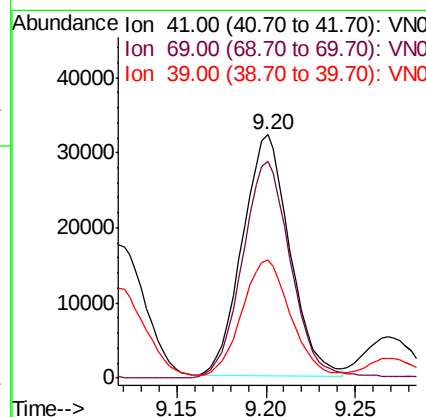
Manual Integrations
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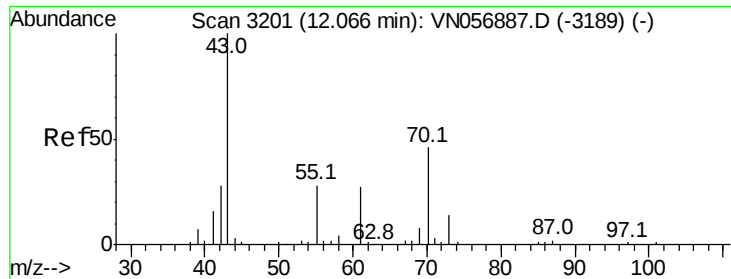
MMDadoda
 7/25/2019 2:20:34 PM



#46
 Methyl methacrylate
 Concen: 19.502 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN056900.D
 Acq: 24 Jul 2019 1:55

Tgt Ion	Ratio	Lower	Upper
41	100		
69	89.9	44.0	132.0
39	47.6	25.8	77.4





#47

n-amvl Acetate

Concen: 18.815 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056900.D

Acq: 24 Jul 2019 1:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 43 Resp: 92095

Ion Ratio Lower Upper

43 100

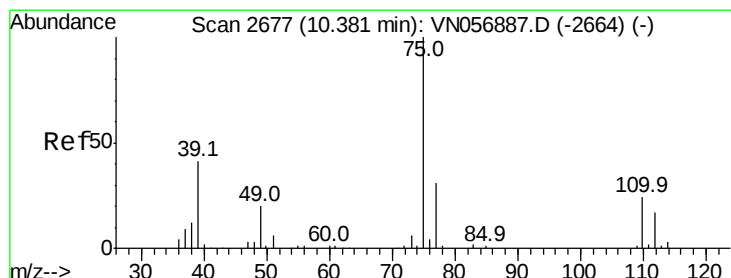
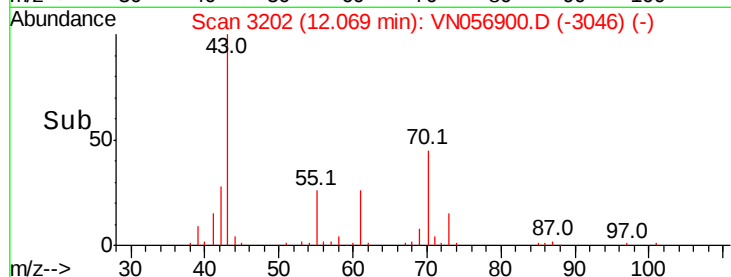
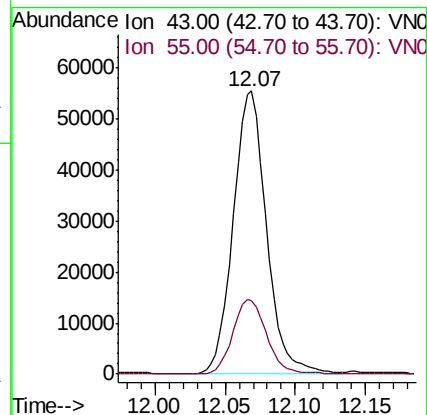
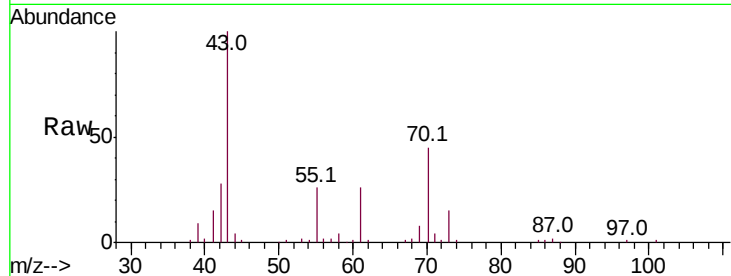
55 26.7 21.3 31.9

Manual Integrations

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#48

t-1,3-Dichloropropene

Concen: 18.606 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN056900.D

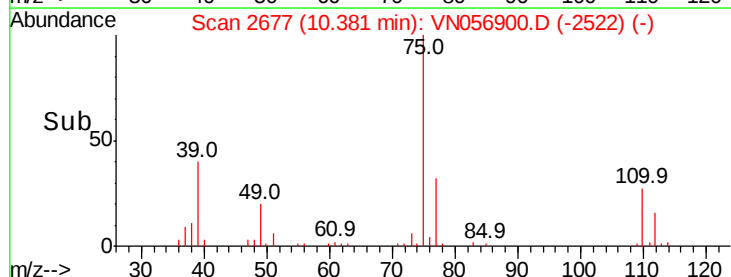
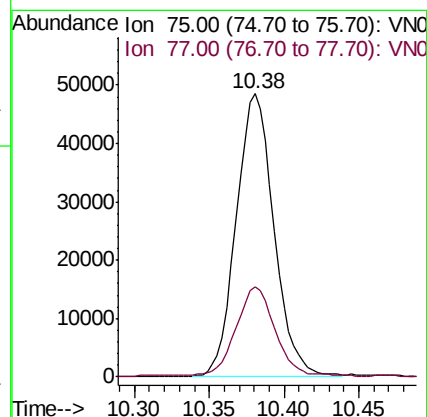
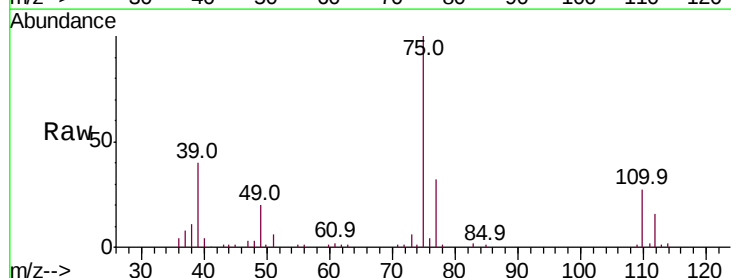
Acq: 24 Jul 2019 1:55

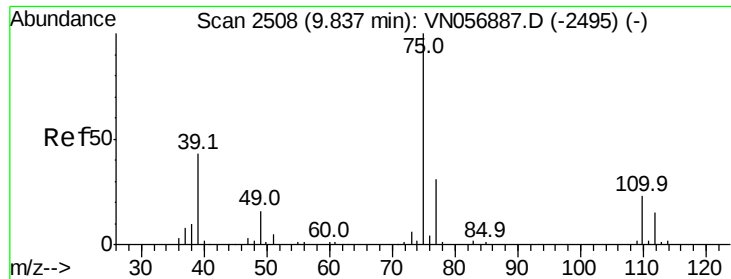
Tgt Ion: 75 Resp: 85493

Ion Ratio Lower Upper

75 100

77 31.2 25.4 38.0





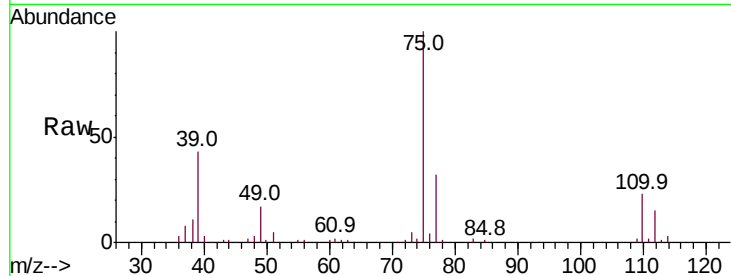
#49
 cis-1,3-Dichloropropene
 Concen: 19.035 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. -0.00 min
 Lab File: VN056900.D
 Acq: 24 Jul 2019 1:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	24.4	36.6
39	43.1	34.2	51.4

Manual Integrations
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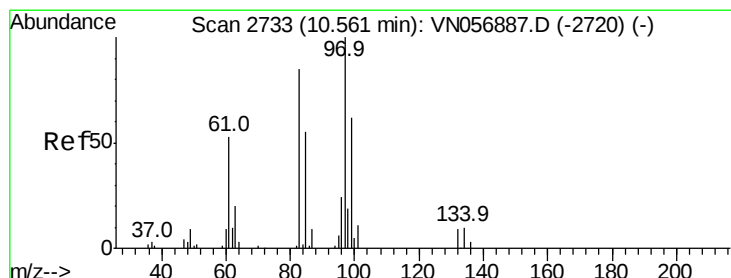
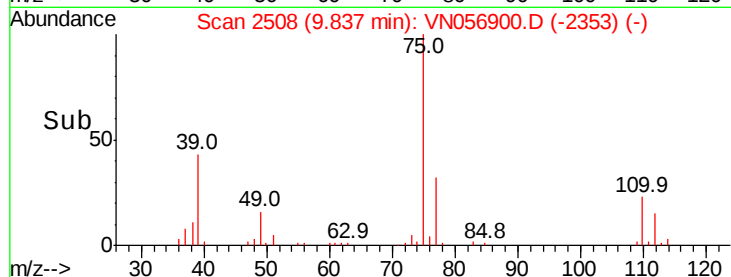
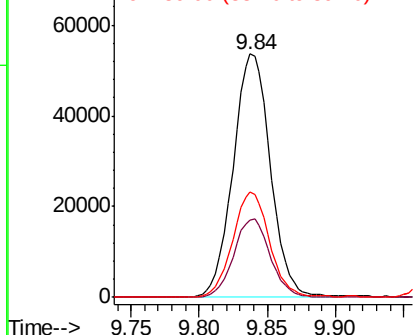


Abundance

Ion 75.00 (74.70 to 75.70): VNO

Ion 77.00 (76.70 to 77.70): VNO

Ion 39.00 (38.70 to 39.70): VNO



#50
 1,1,2-Trichloroethane
 Concen: 20.673 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN056900.D
 Acq: 24 Jul 2019 1:55

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.5	68.4	102.6
85	56.8	44.3	66.5
99	61.2	49.4	74.2

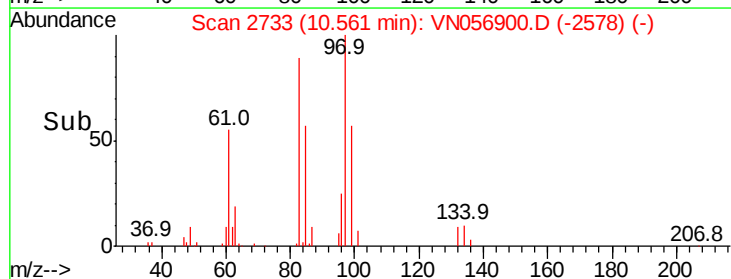
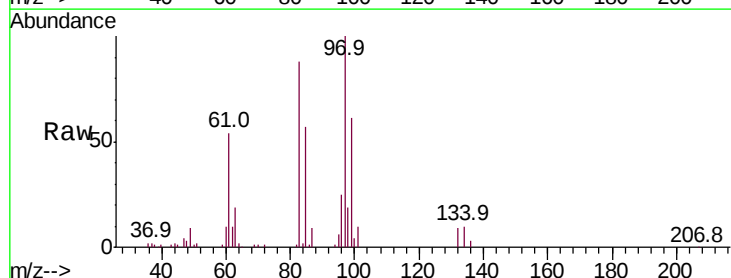
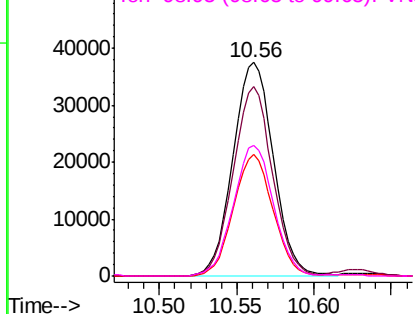
Abundance

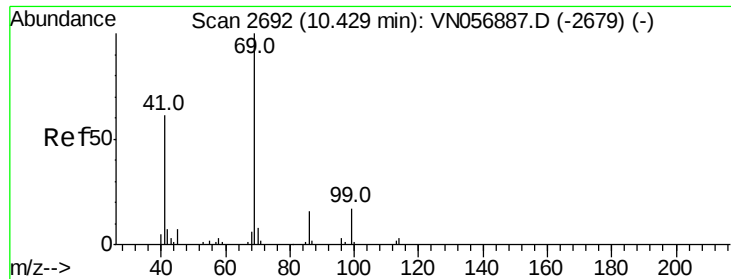
Ion 97.00 (96.70 to 97.70): VNO

Ion 82.95 (82.65 to 83.65): VNO

Ion 84.95 (84.65 to 85.65): VNO

Ion 98.95 (98.65 to 99.65): VNO





#51

Ethyl methacrylate

Concen: 19.254 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN056900.D

Acq: 24 Jul 2019 1:55

Instrument :

MSVOA_N

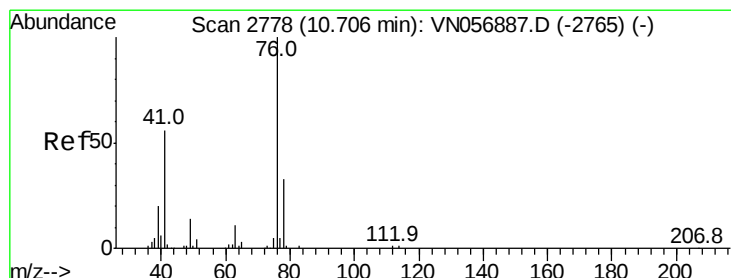
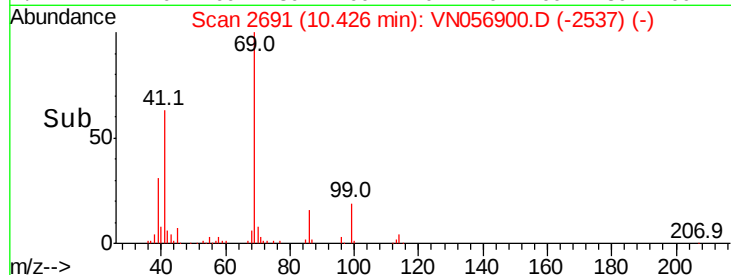
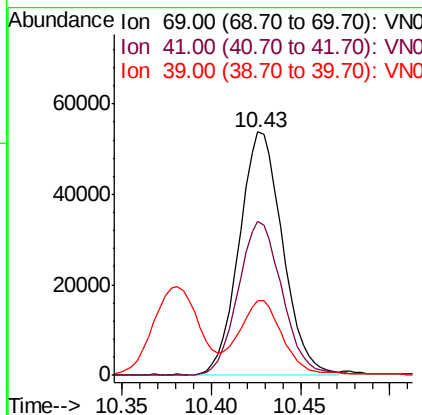
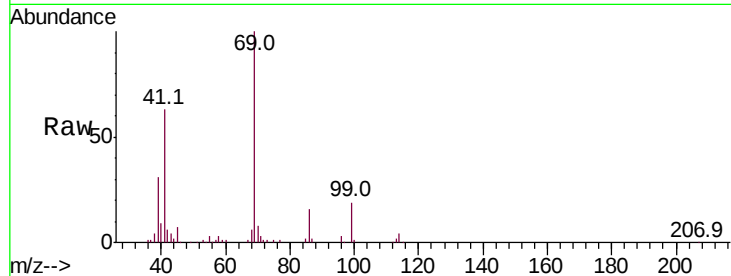
ClientSampleId :

VSTDCCC020EC

Tot Ion:	69	Resp:	91882
Ion Ratio	Lower	Upper	
69	100		
41	62.7	30.4	91.3
39	29.8	14.2	42.6

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 20.069 ug/l

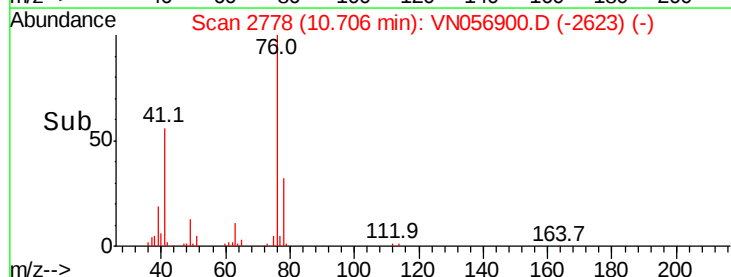
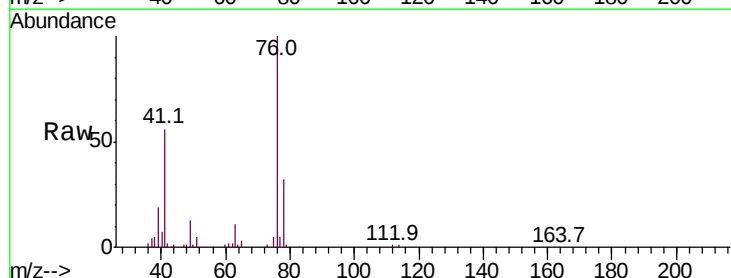
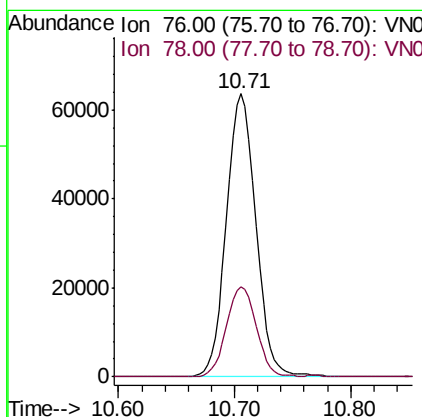
RT: 10.71 min Scan# 2778

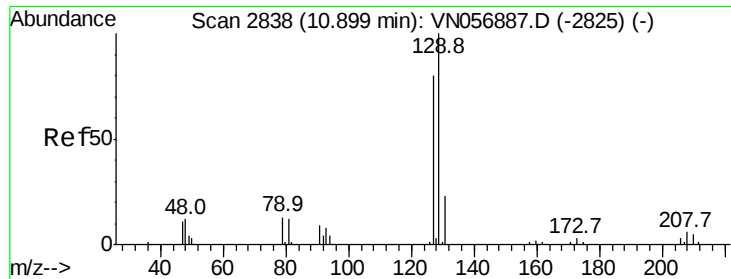
Delta R.T. -0.00 min

Lab File: VN056900.D

Acq: 24 Jul 2019 1:55

Tgt Ion:	76	Resp:	111743
Ion Ratio	Lower	Upper	
76	100		
78	32.4	0.0	64.2





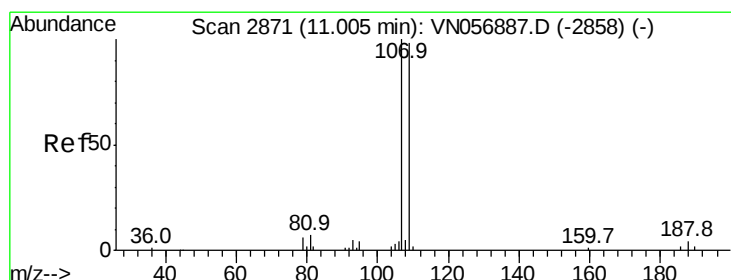
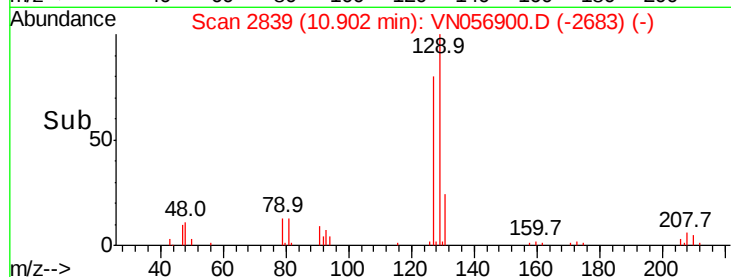
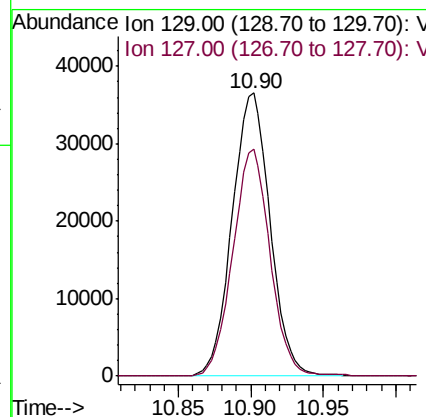
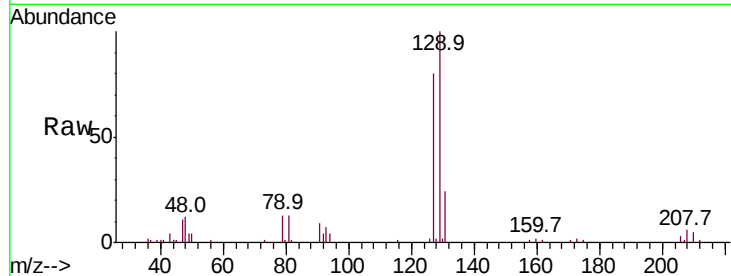
#53
Dibromochloromethane
Concen: 19.330 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056900.D
Acq: 24 Jul 2019 1:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
129	100		
127	78.6	38.8	116.4

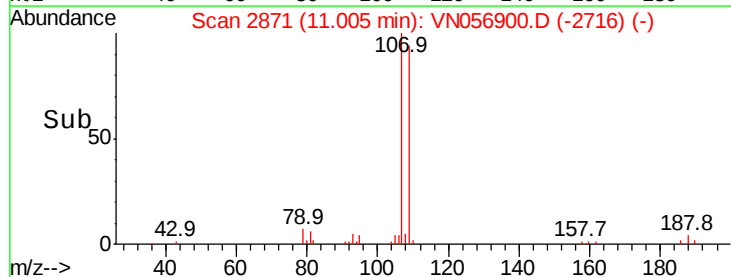
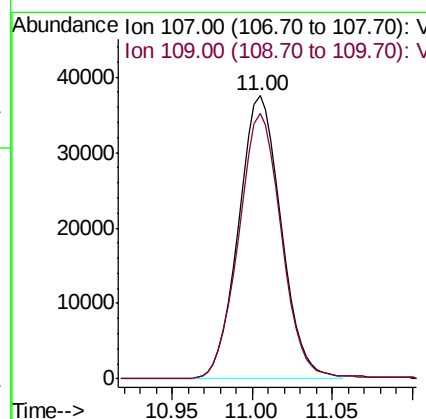
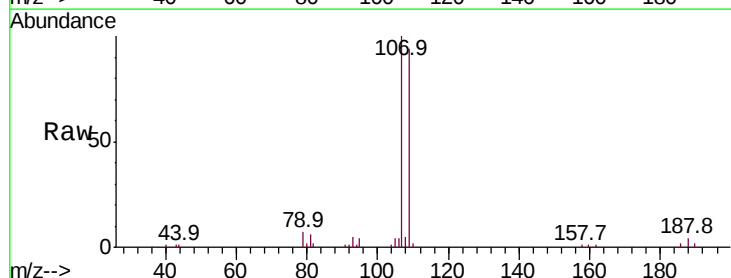
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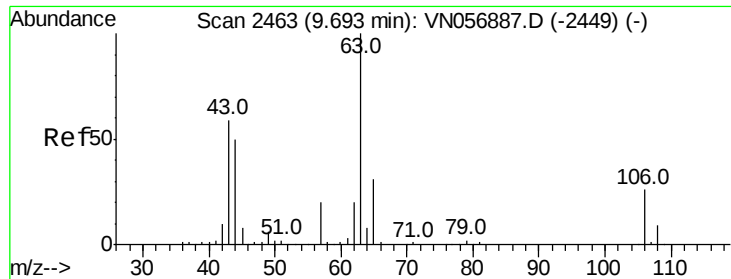
MMDadoda
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#54
1,2-Dibromoethane
Concen: 20.238 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. -0.00 min
Lab File: VN056900.D
Acq: 24 Jul 2019 1:55

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.5	76.2	114.2





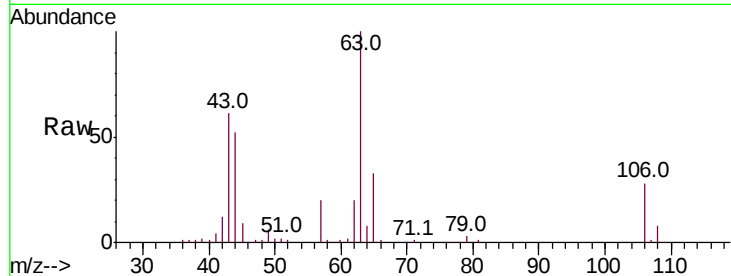
#55
2-Chloroethyl vinyl ether
Concen: 92.518 ug/l
RT: 9.69 min Scan# 2463
Delta R.T. -0.00 min
Lab File: VN056900.D
Acq: 24 Jul 2019 1:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.5	25.1	37.7
106	27.9	21.5	32.3

Manual Integrations
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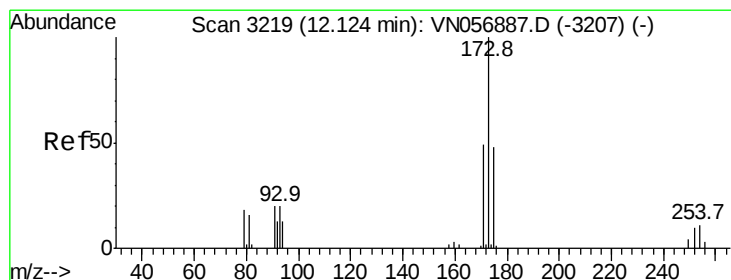
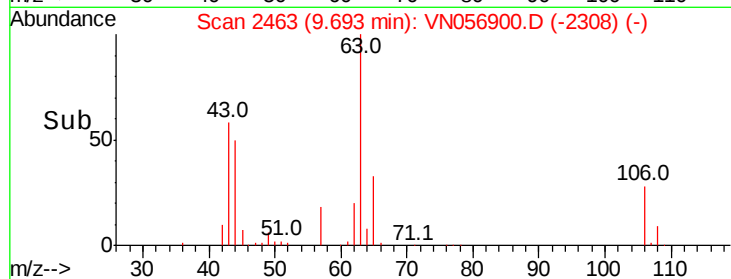
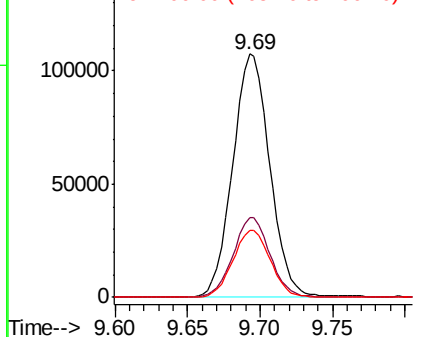


Abundance

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

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

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



#56
Bromoform
Concen: 18.953 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056900.D
Acq: 24 Jul 2019 1:55

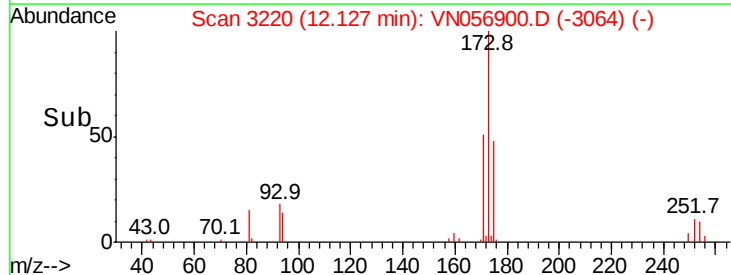
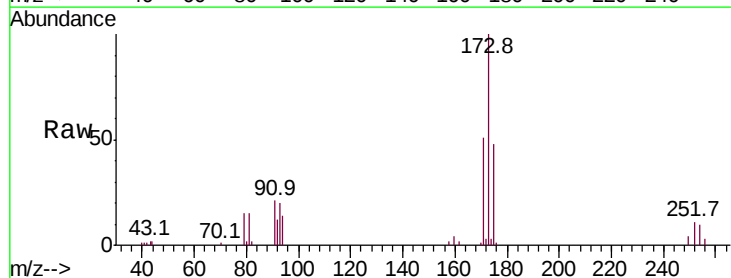
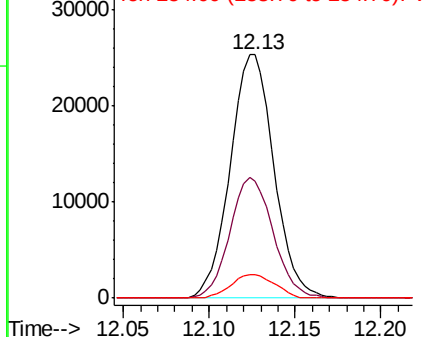
Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.8	38.8	58.2
254	9.6	8.1	12.1

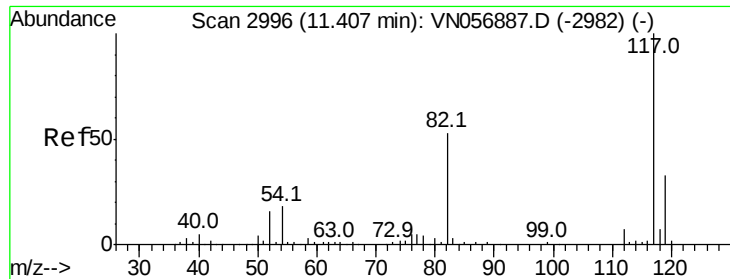
Abundance

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

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

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





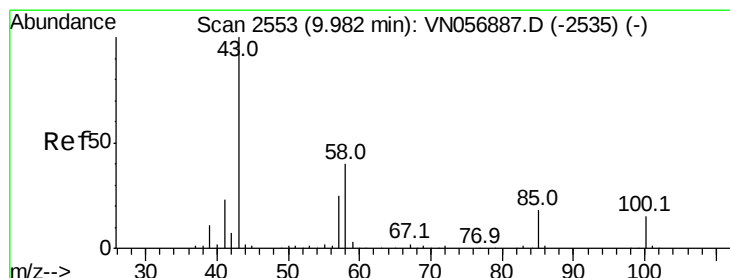
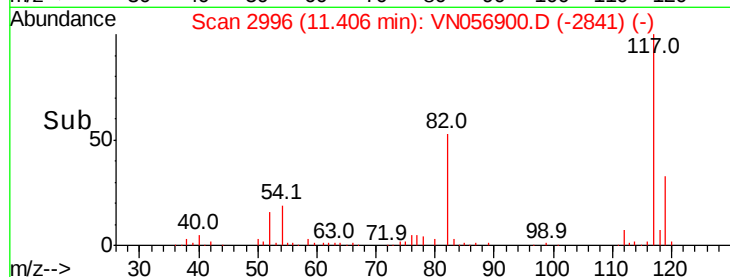
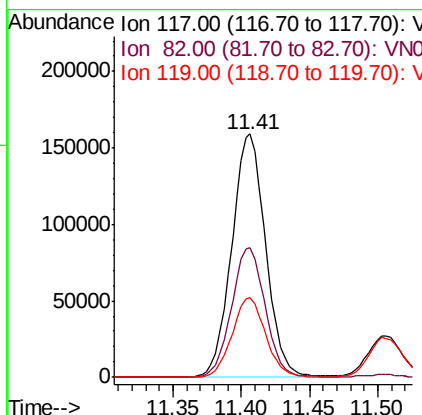
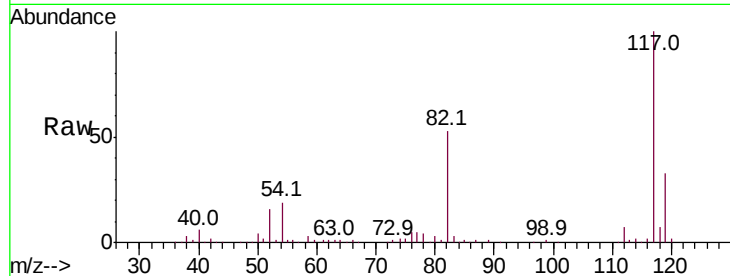
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056900.D
Acq: 24 Jul 2019 1:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.2	43.0	64.4
119	32.3	26.2	39.2

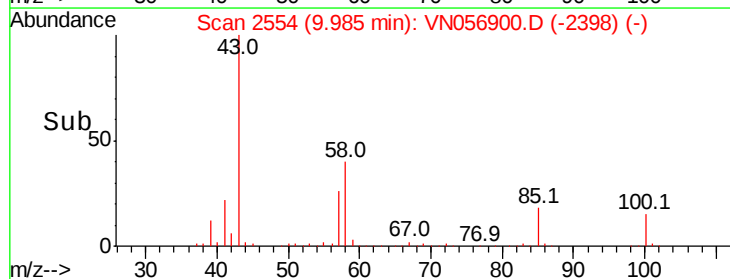
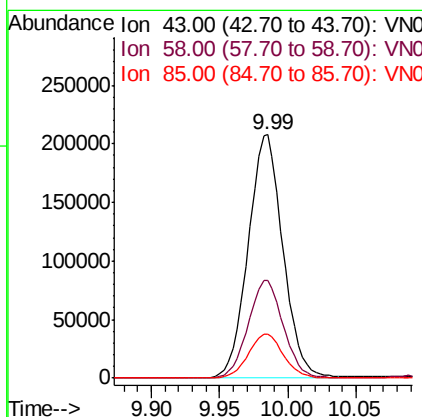
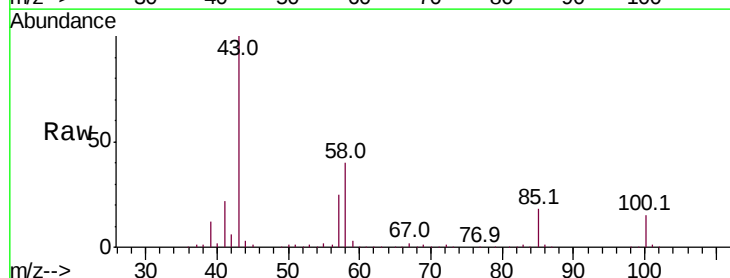
Manual Integrations
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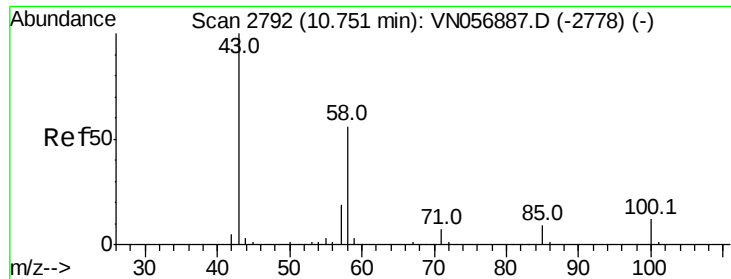
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#58
4-Methyl-2-Pentanone
Concen: 99.680 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN056900.D
Acq: 24 Jul 2019 1:55

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.7	31.7	47.5
85	18.3	14.5	21.7





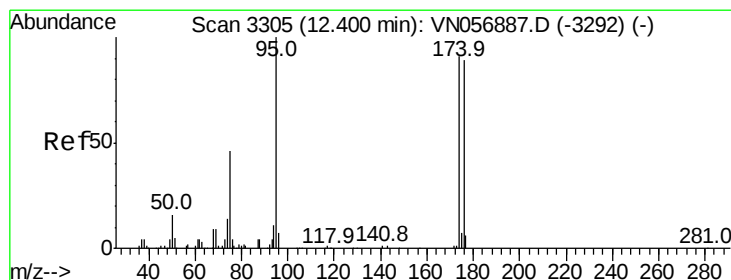
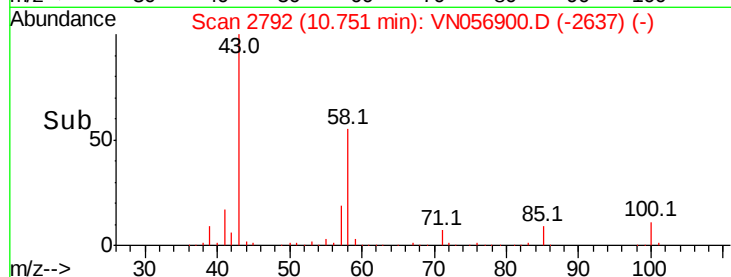
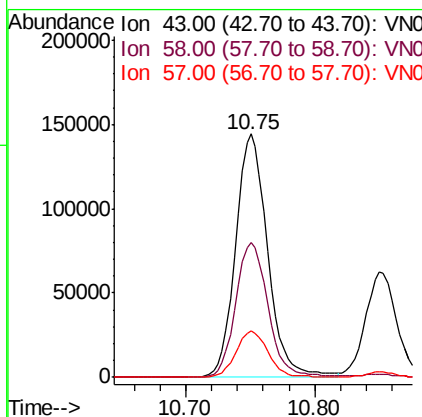
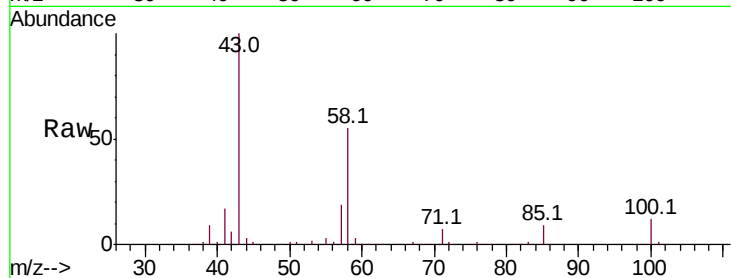
#59
2-Hexanone
Concen: 98.884 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN056900.D
Acq: 24 Jul 2019 1:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.3	45.0	67.4
57	19.2	15.4	23.0

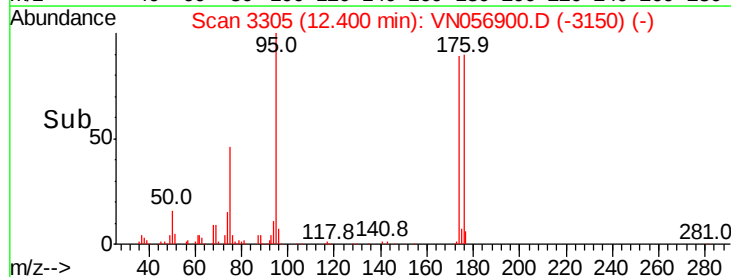
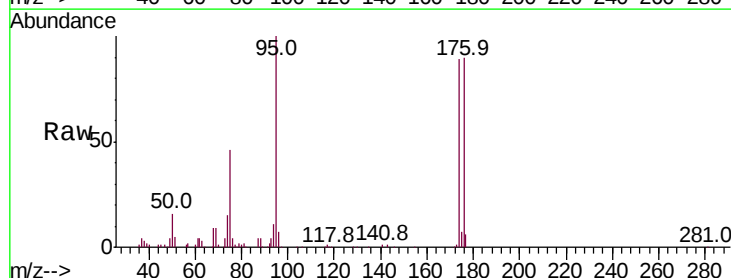
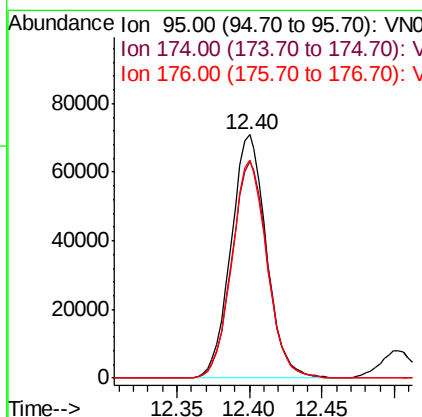
Manual Integrations
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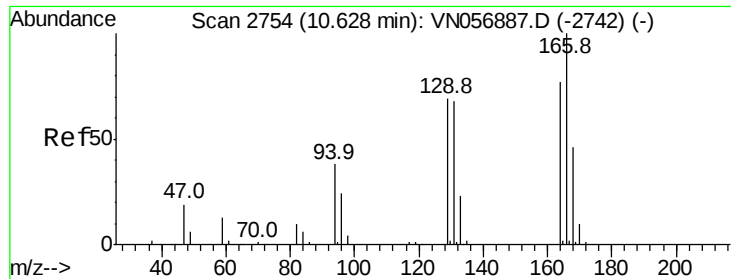
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#60
4-Bromofluorobenzene
Concen: 29.159 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN056900.D
Acq: 24 Jul 2019 1:55

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.7	71.9	107.9
176	88.7	69.8	104.8





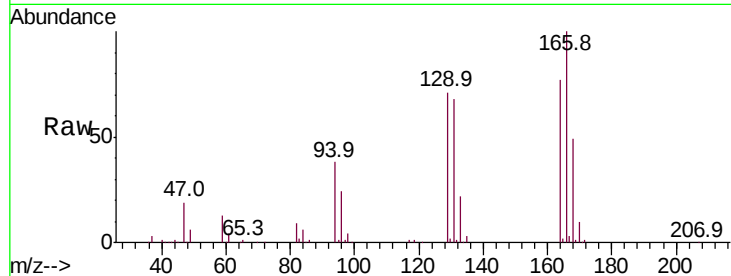
#61
Tetrachloroethene
Concen: 20.594 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN056900.D
Acq: 24 Jul 2019 1:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
164	100		
166	129.6	103.9	155.9
129	92.3	72.4	108.6
131	88.7	70.3	105.5

Manual Integrations
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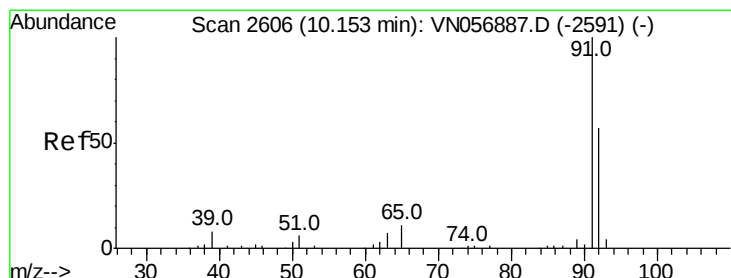
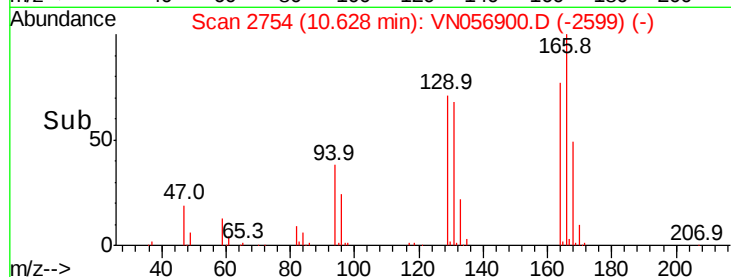
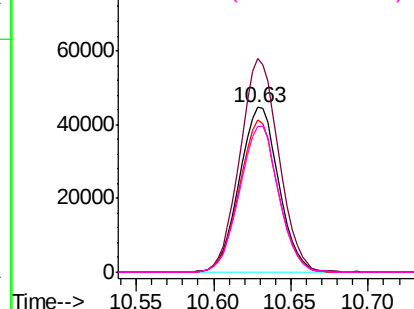
Abundance

Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

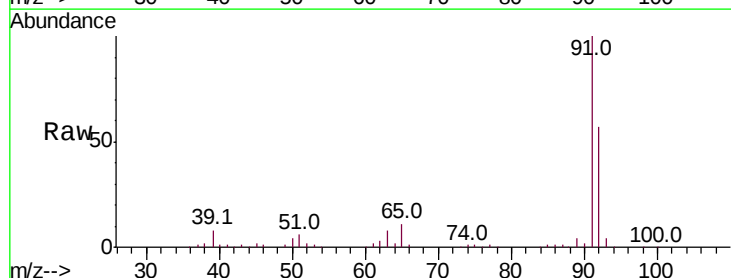
Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62
Toluene
Concen: 20.294 ug/l
RT: 10.15 min Scan# 2606
Delta R.T. -0.00 min
Lab File: VN056900.D
Acq: 24 Jul 2019 1:55

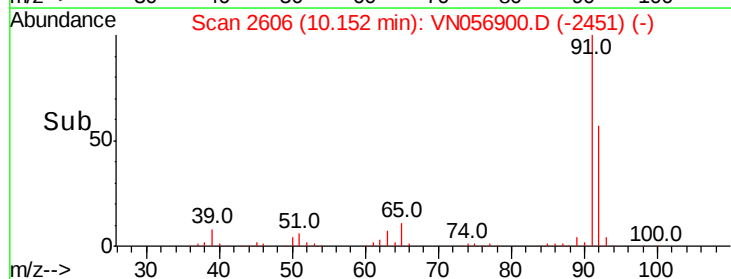
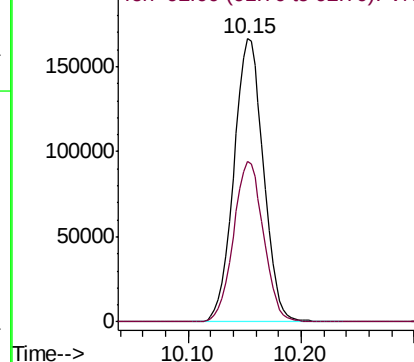
Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.3	46.1	69.1

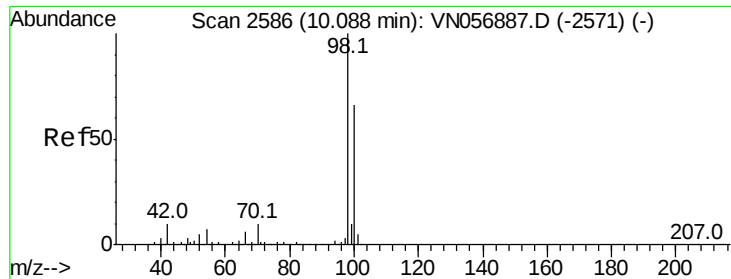


Abundance

Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





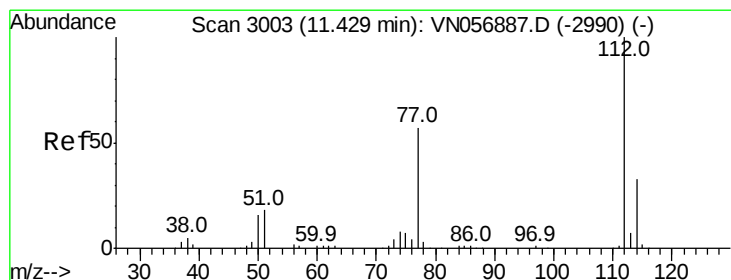
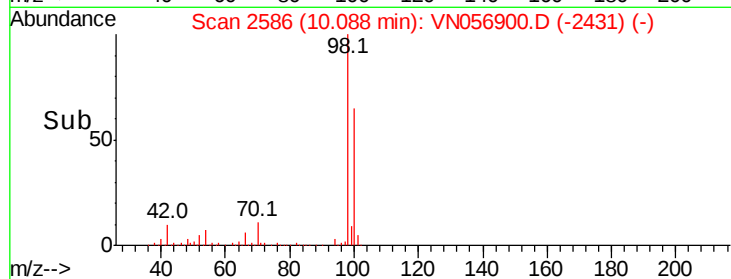
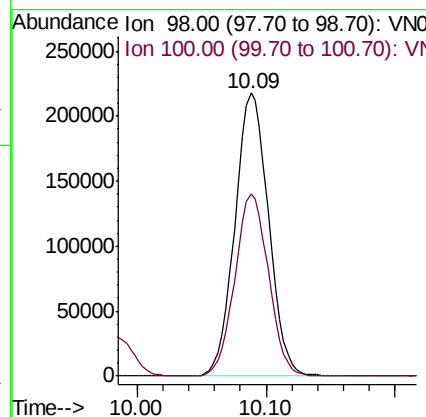
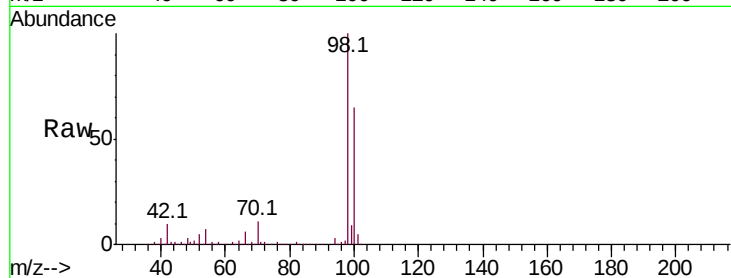
#63
Toluene-d8
Concen: 30.440 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN056900.D
Acq: 24 Jul 2019 1:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 98 Resp: 394737
Ion Ratio Lower Upper
98 100
100 64.6 51.4 77.2

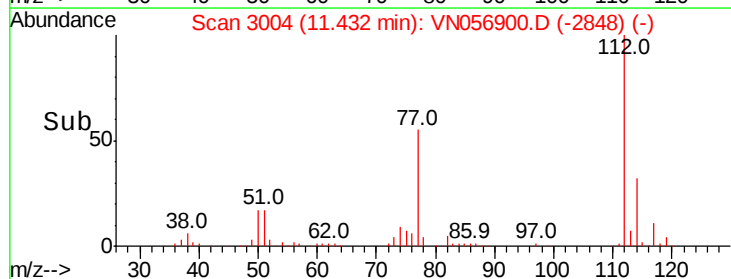
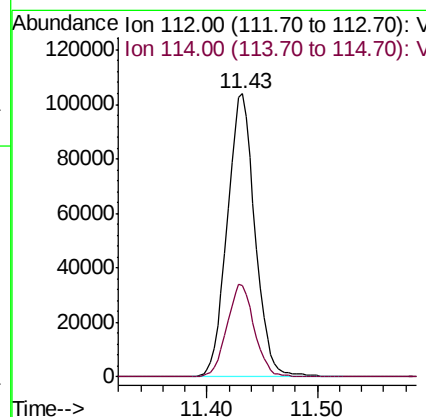
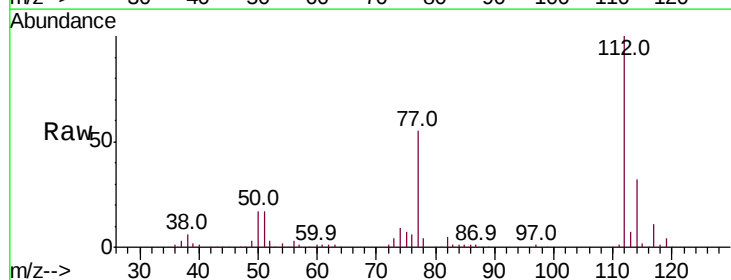
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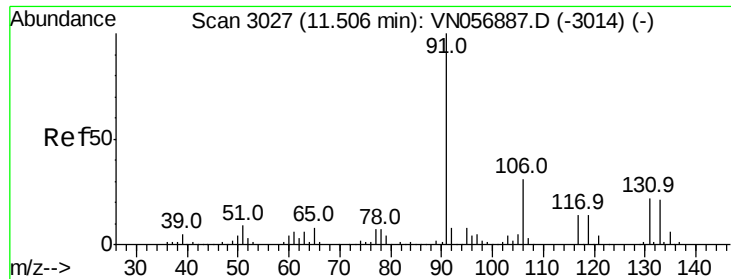
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#64
Chlorobenzene
Concen: 20.138 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056900.D
Acq: 24 Jul 2019 1:55

Tgt Ion: 112 Resp: 181104
Ion Ratio Lower Upper
112 100
114 32.4 26.7 40.1





#65

1,1,1,2-Tetrachloroethane

Concen: 19.960 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN056900.D

Acq: 24 Jul 2019 1:55

Instrument :

MSVOA_N

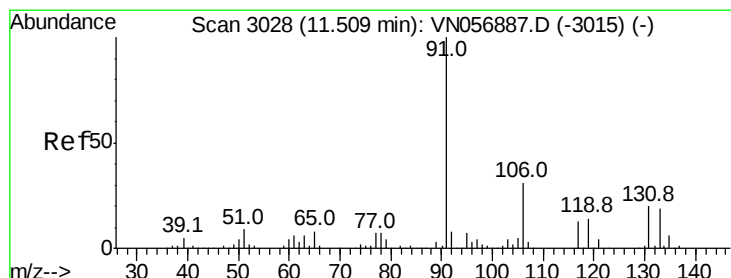
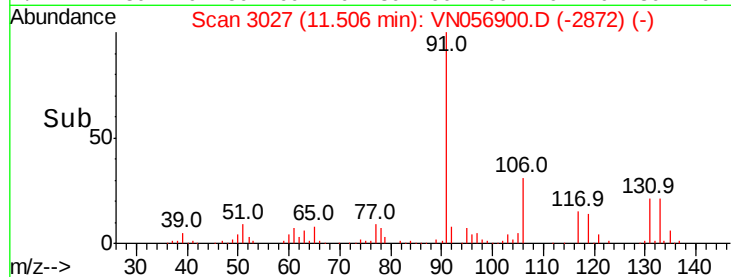
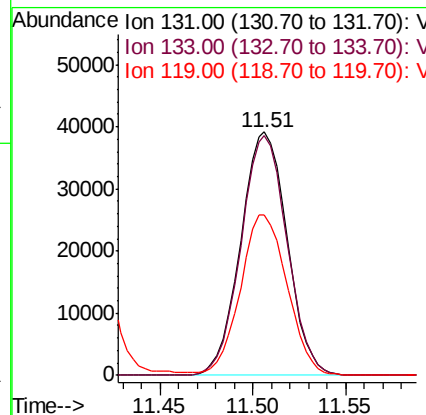
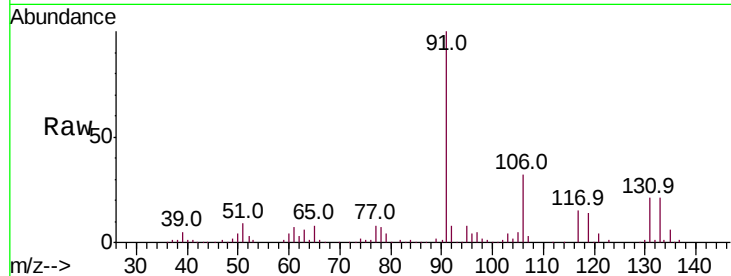
ClientSampleId :

VSTDCCC020EC

Tot Ion:	131	Resp:	67990
Ion Ratio	Lower	Upper	
131	100		
133	97.6	0.0	189.6
119	66.7	0.0	133.6

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#66

Ethyl Benzene

Concen: 19.933 ug/l

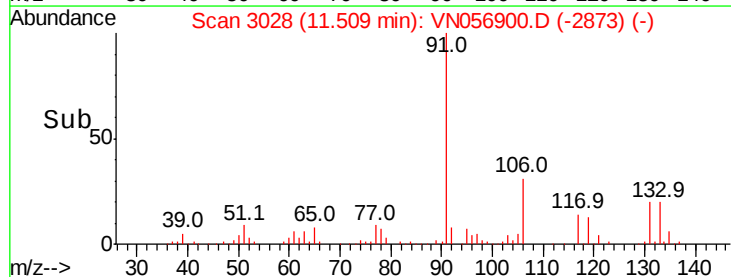
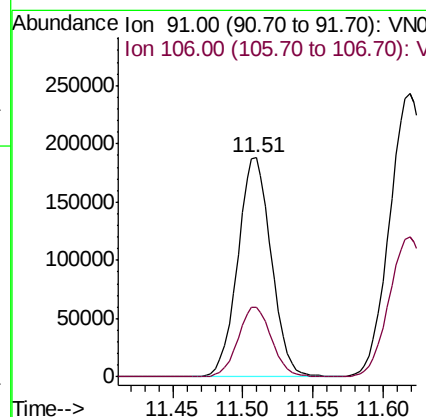
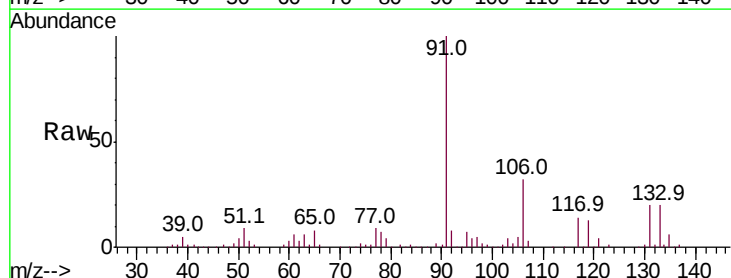
RT: 11.51 min Scan# 3028

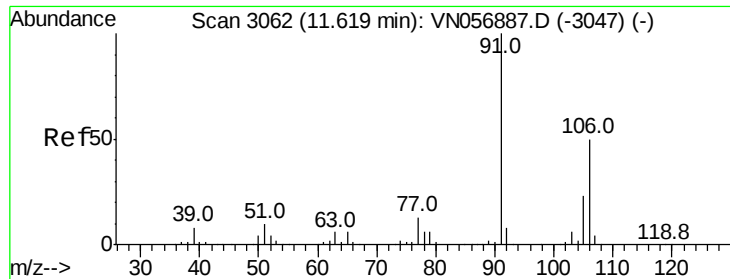
Delta R.T. -0.00 min

Lab File: VN056900.D

Acq: 24 Jul 2019 1:55

Tgt Ion:	91	Resp:	313599
Ion Ratio	Lower	Upper	
91	100		
106	31.7	24.9	37.3





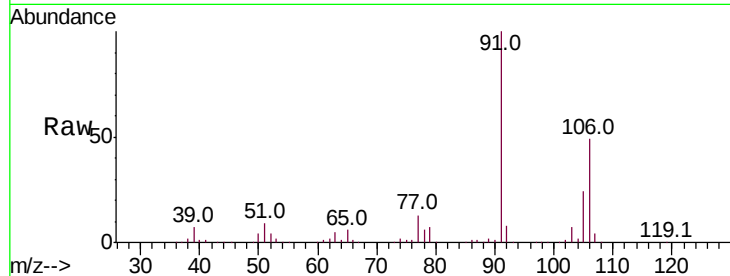
#67
m/p-Xylenes
Concen: 40.340 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056900.D
Acq: 24 Jul 2019 1:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

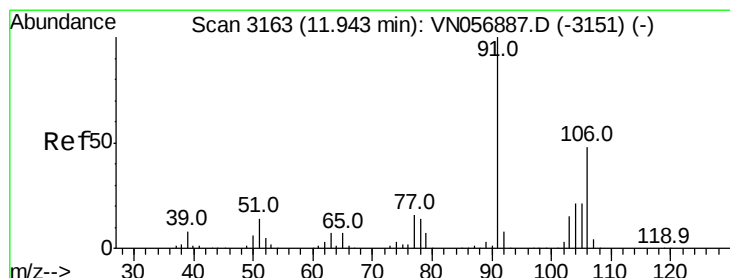
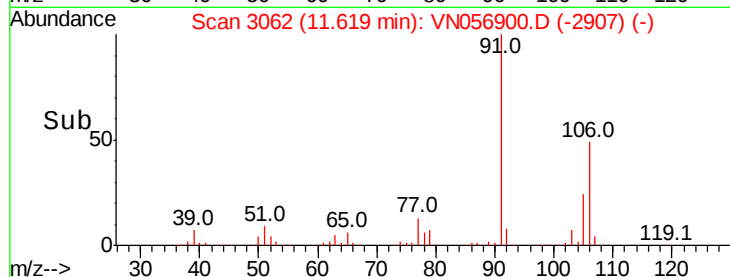
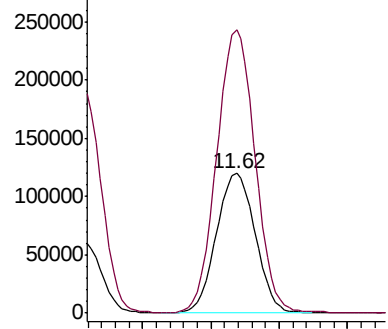
Tot Ion:106 Resp: 236670
Ion Ratio Lower Upper
106 100
91 200.1 160.6 240.8

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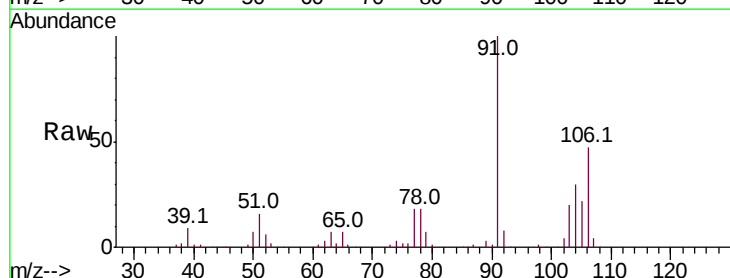


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

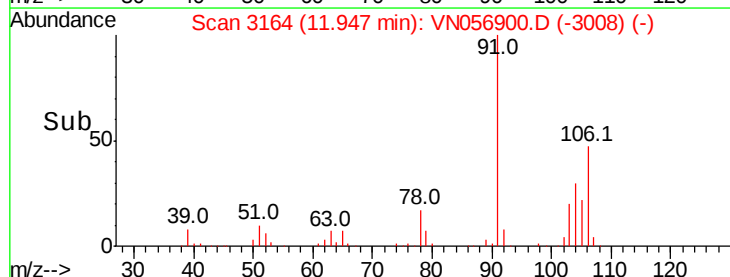
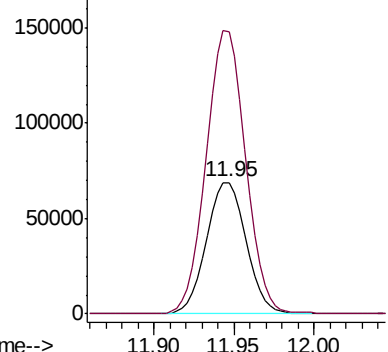


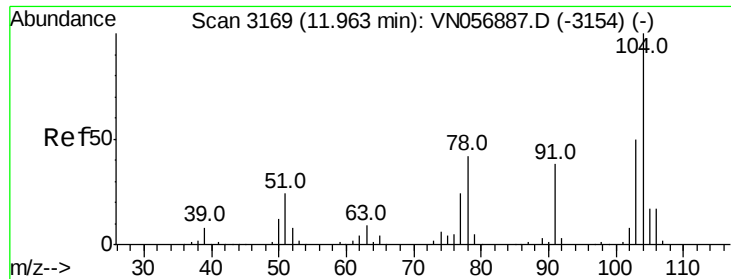
#68
o-Xylene
Concen: 20.213 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056900.D
Acq: 24 Jul 2019 1:55

Tgt Ion:106 Resp: 116592
Ion Ratio Lower Upper
106 100
91 213.9 106.2 318.6



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





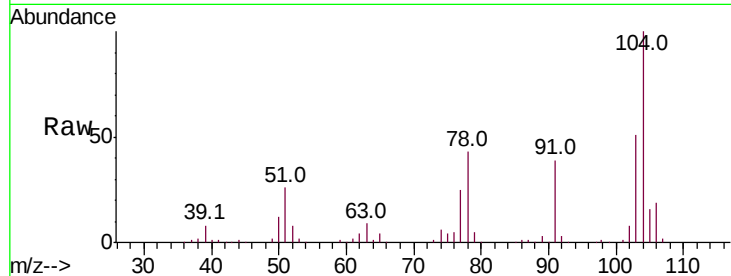
#69
Stvrene
Concen: 19.762 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN056900.D
Acq: 24 Jul 2019 1:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

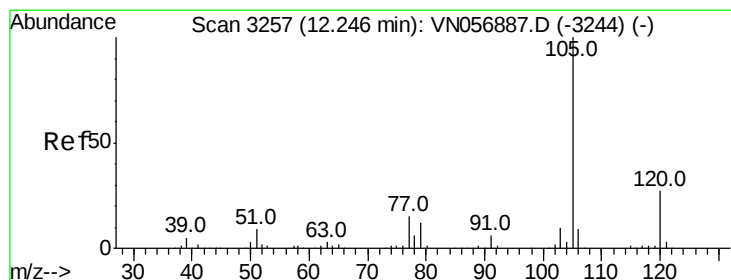
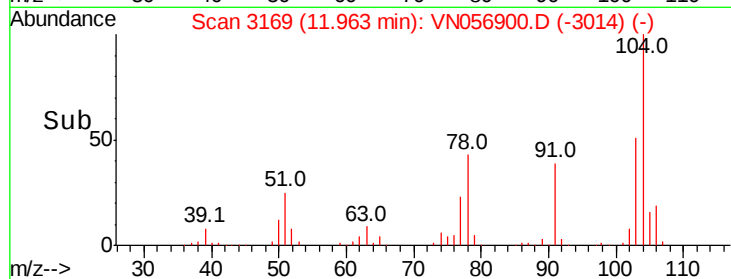
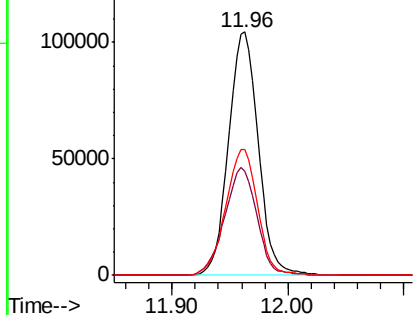
Tot Ion	Ratio	Lower	Upper
104	100		
78	48.1	38.5	57.7
103	55.8	44.7	67.1

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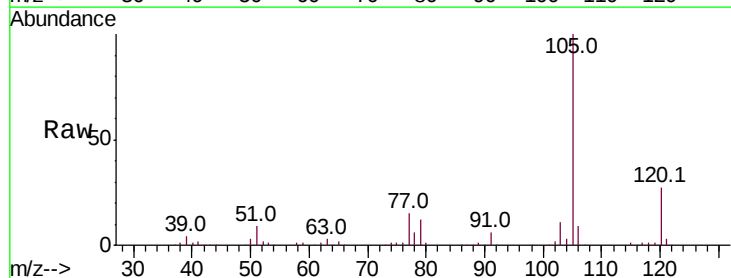


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V

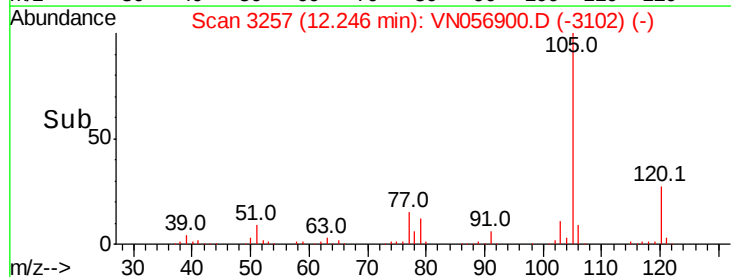
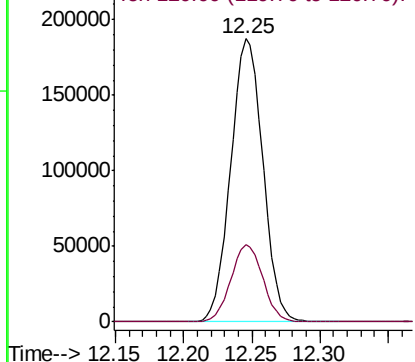


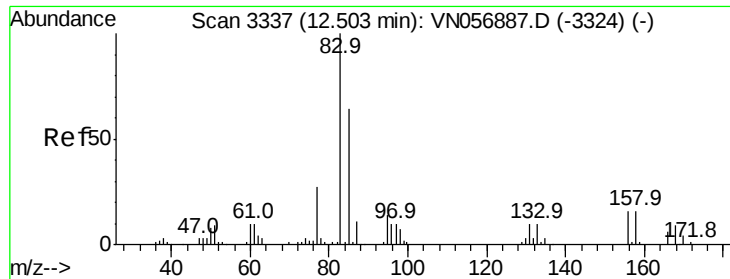
#70
Isopropylbenzene
Concen: 20.212 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. -0.00 min
Lab File: VN056900.D
Acq: 24 Jul 2019 1:55

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.1	18.7	34.7



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





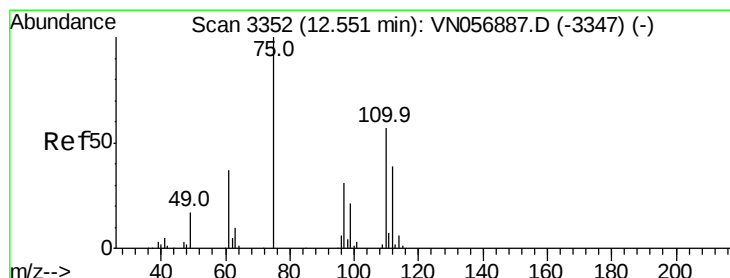
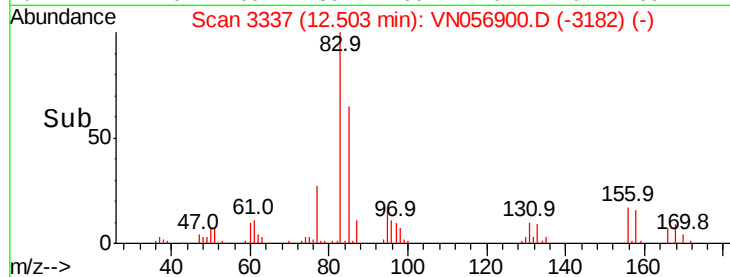
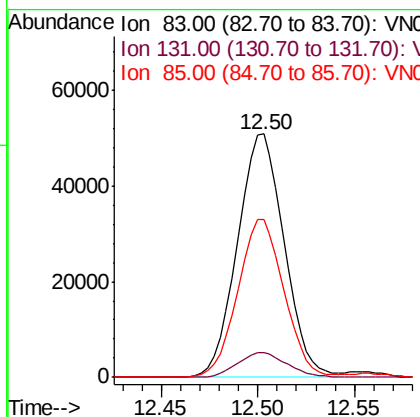
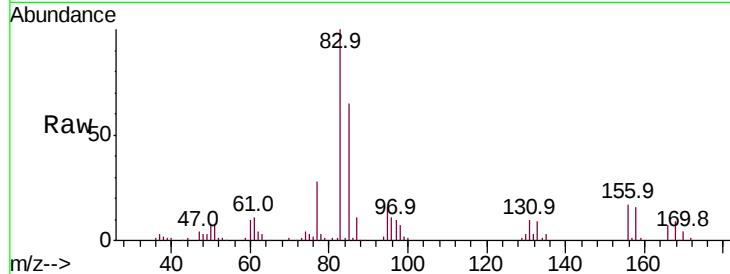
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.179 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN056900.D
 Acq: 24 Jul 2019 1:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	83	Resp	85842
Ion Ratio	100	Lower	Upper
131	10.7	5.1	15.2
85	64.1	31.8	95.4

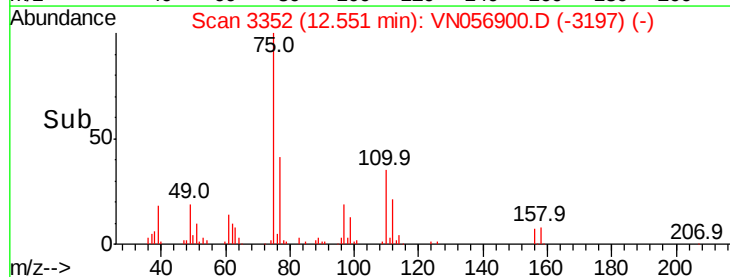
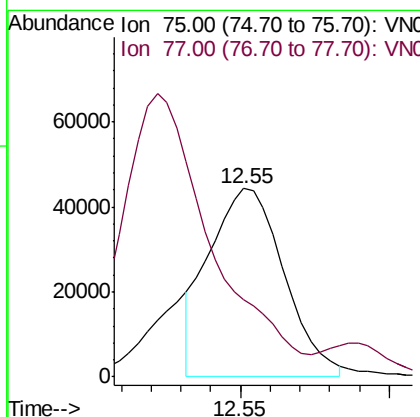
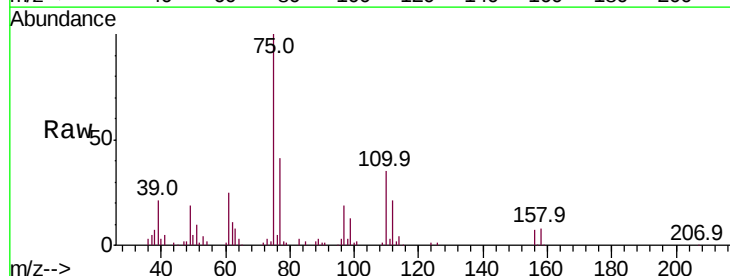
Manual Integrations
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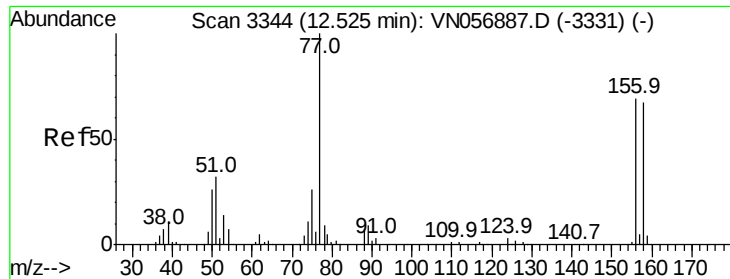
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#72
 1,2,3-Trichloropropane
 Concen: 20.689 ug/l m
 RT: 12.55 min Scan# 3352
 Delta R.T. -0.00 min
 Lab File: VN056900.D
 Acq: 24 Jul 2019 1:55

Tgt Ion	75	Resp	77434
Ion Ratio	100	Lower	Upper
77	181.3	0.0	378.6





#73

Bromobenzene

Concen: 19.677 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN056900.D

Acq: 24 Jul 2019 1:55

Instrument :

MSVOA_N

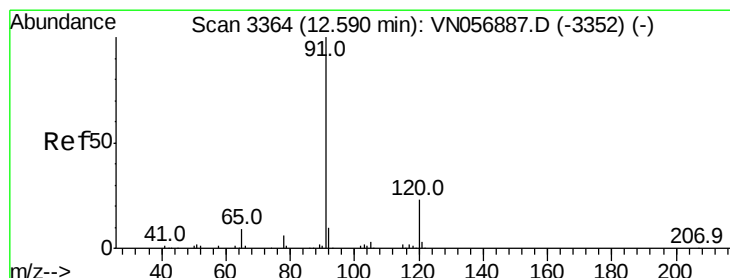
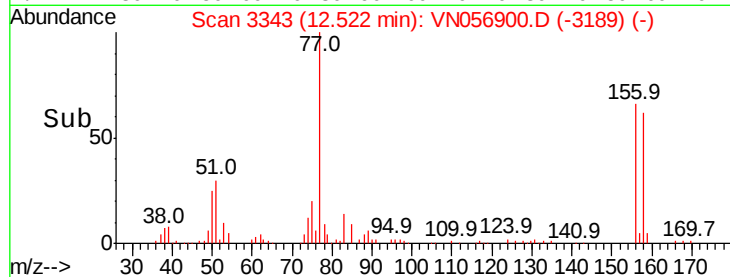
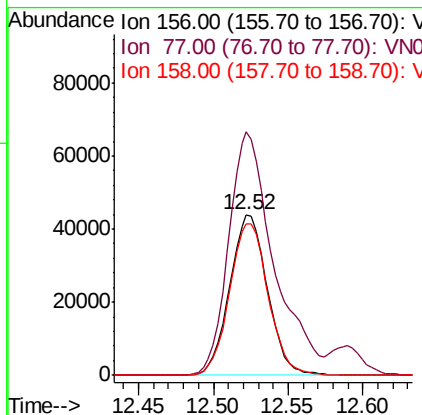
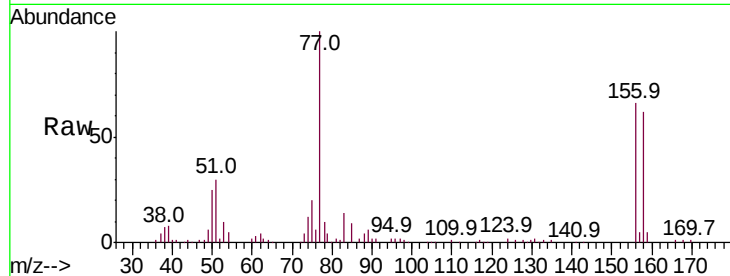
ClientSampleId :

VSTDCCC020EC

Tot Ion:	156	Resp:	77117
Ion Ratio	Lower	Upper	
156	100		
77	182.1	0.0	364.6
158	96.5	0.0	196.2

Manual Integrations
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#74

n-propylbenzene

Concen: 19.787 ug/l

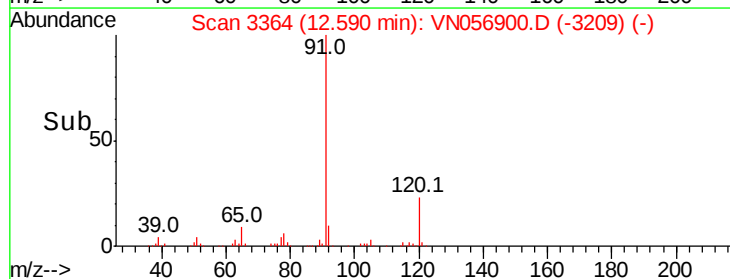
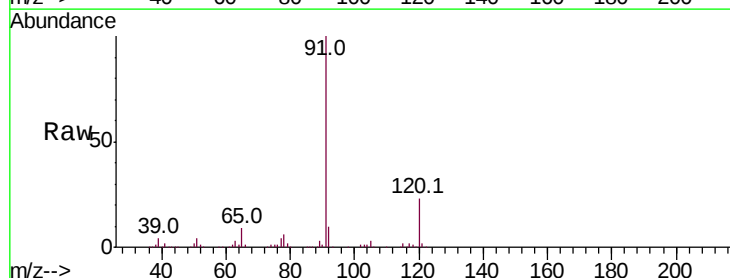
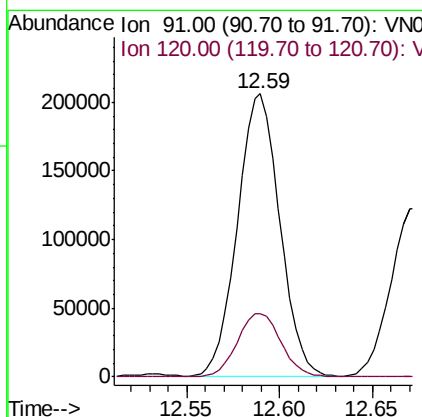
RT: 12.59 min Scan# 3364

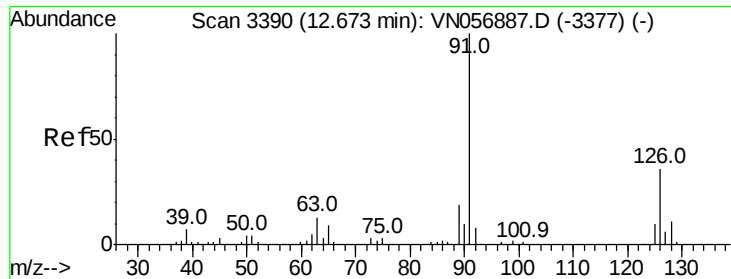
Delta R.T. -0.00 min

Lab File: VN056900.D

Acq: 24 Jul 2019 1:55

Tgt Ion:	91	Resp:	328591
Ion Ratio	Lower	Upper	
91	100		
120	23.1	0.0	46.4





#75

2-Chlorotoluene

Concen: 20.410 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN056900.D

Acq: 24 Jul 2019 1:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 91 Resp: 205493

Ion Ratio Lower Upper

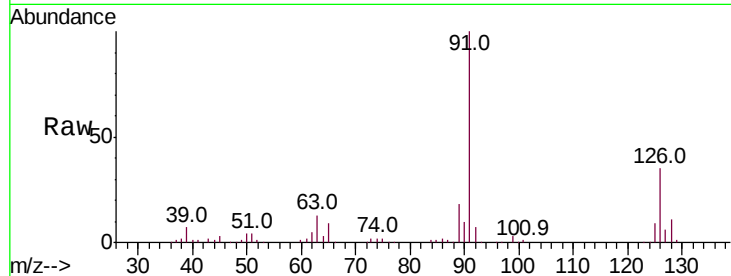
91 100

126 34.9 0.0 70.8

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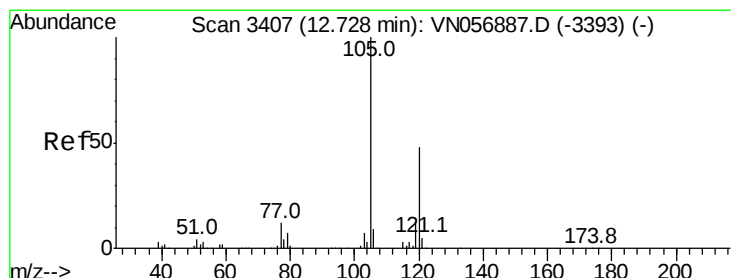
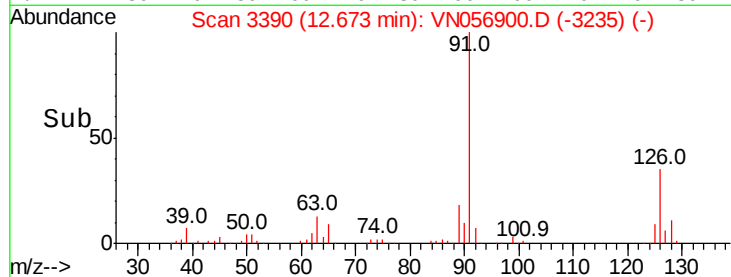
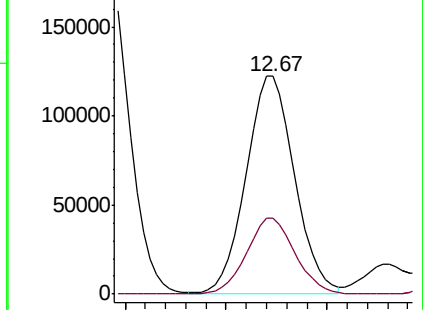
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Abundance Ion 91.00 (90.70 to 91.70): VN056887.D (-3377) (-)

Ion 126.00 (125.70 to 126.70): VN056887.D (-3377) (-)



#76

1,3,5-Trimethylbenzene

Concen: 20.347 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN056900.D

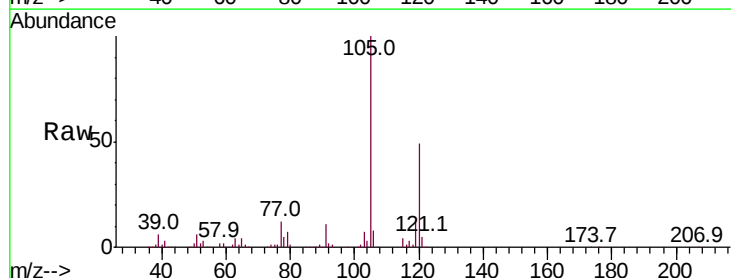
Acq: 24 Jul 2019 1:55

Tgt Ion: 105 Resp: 260157

Ion Ratio Lower Upper

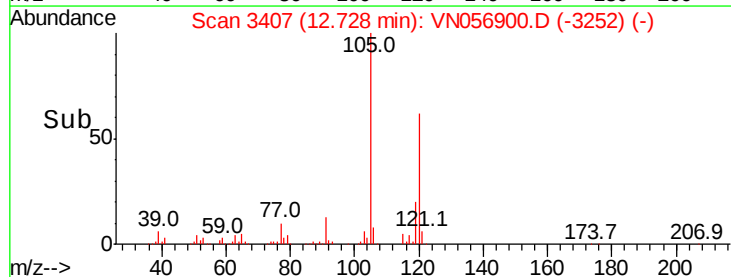
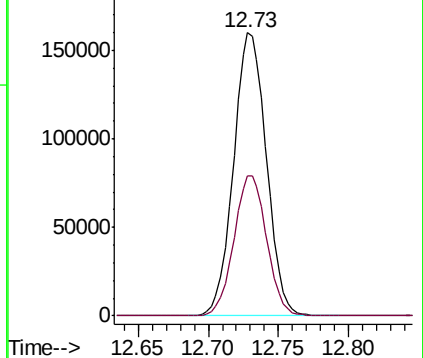
105 100

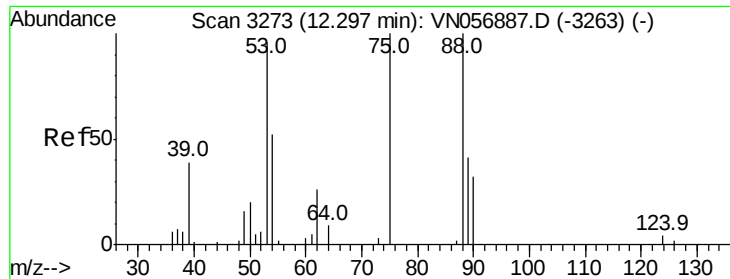
120 49.6 0.0 97.2



Abundance Ion 105.00 (104.70 to 105.70): VN056887.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN056887.D (-3393) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 16.812 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN056900.D

Acq: 24 Jul 2019 1:55

Instrument :

MSVOA_N

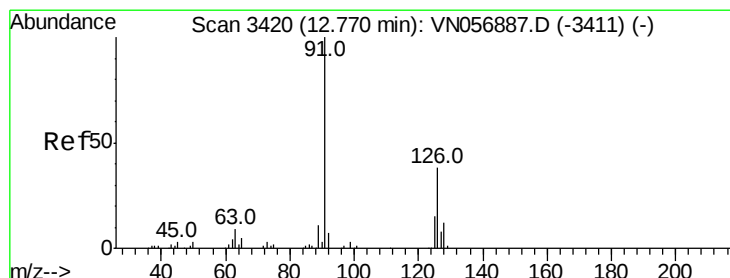
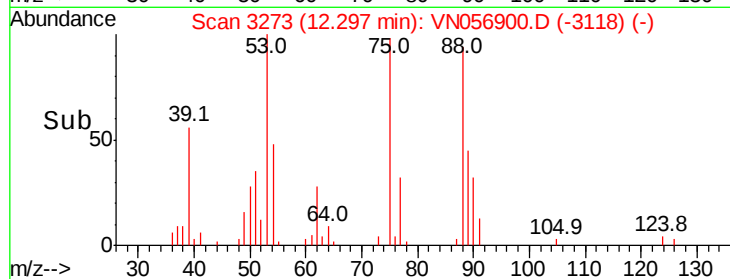
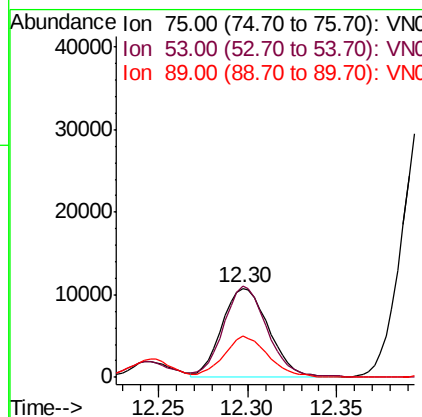
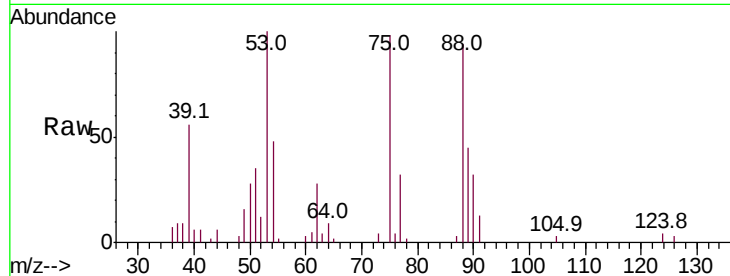
ClientSampleId :

VSTDCCC020EC

Tot Ion:	75	Resp:	19757
Ion	Ratio	Lower	Upper
75	100		
53	100.6	48.0	144.0
89	46.0	21.4	64.3

Manual Integrations
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#78

4-Chlorotoluene

Concen: 19.467 ug/l

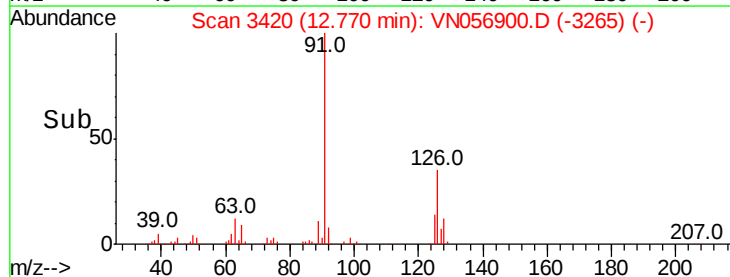
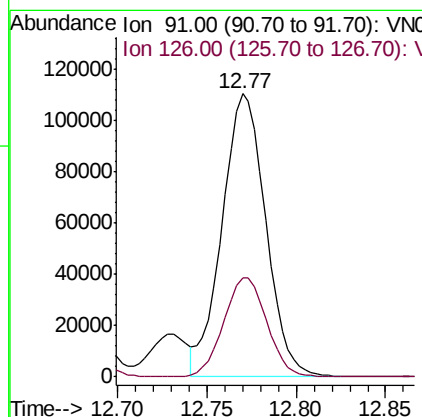
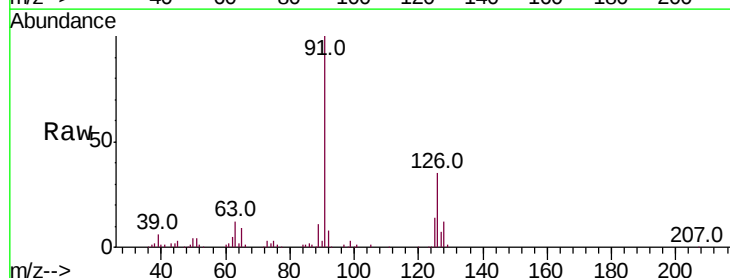
RT: 12.77 min Scan# 3420

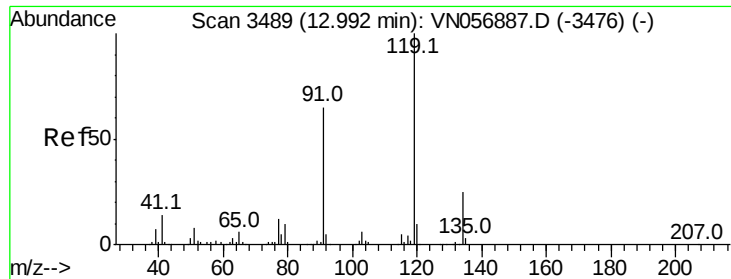
Delta R.T. -0.00 min

Lab File: VN056900.D

Acq: 24 Jul 2019 1:55

Tgt Ion:	91	Resp:	186308
Ion	Ratio	Lower	Upper
91	100		
126	34.9	0.0	69.6





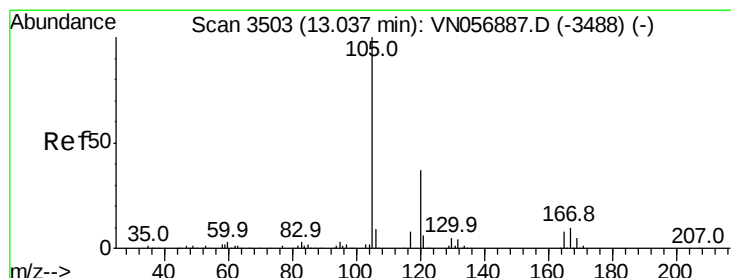
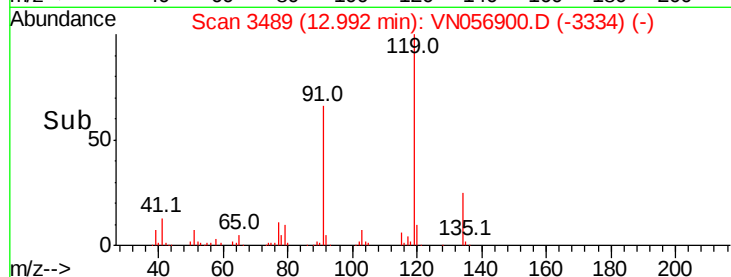
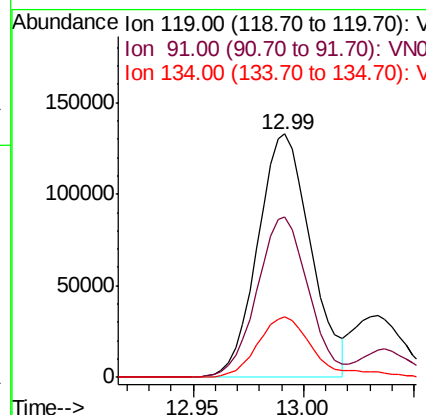
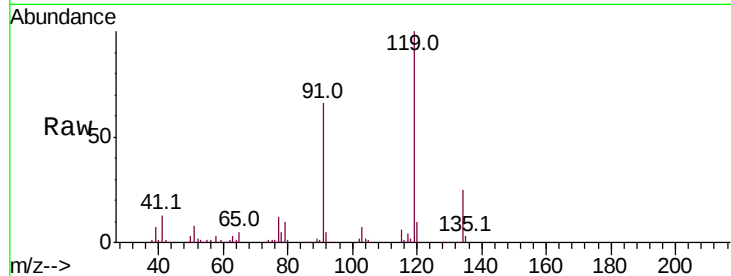
#79
tert-butylbenzene
Concen: 20.110 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN056900.D
Acq: 24 Jul 2019 1:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	221880		
91	63.5	0.0	126.8	
134	24.3	0.0	48.8	

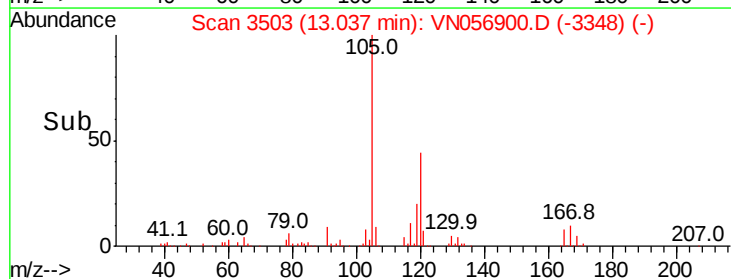
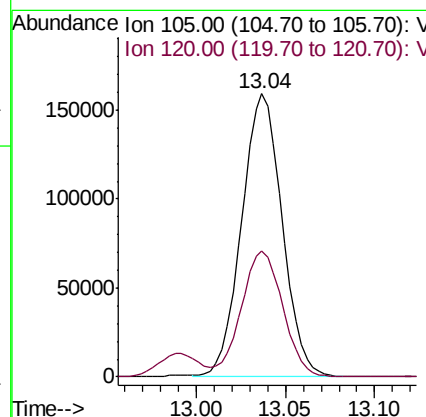
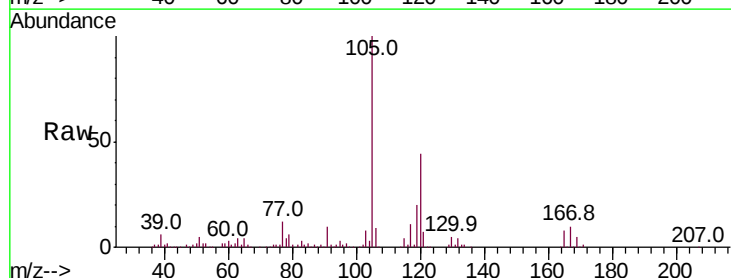
Manual Integrations
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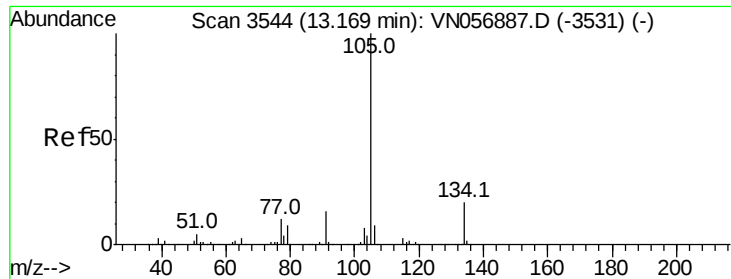
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#80
1,2,4-Trimethylbenzene
Concen: 20.179 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN056900.D
Acq: 24 Jul 2019 1:55

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	251519		
120	45.6	0.0	90.6	





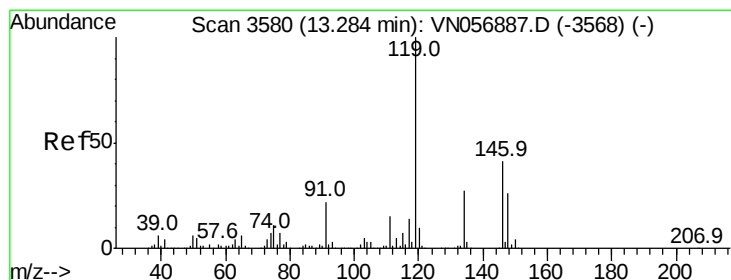
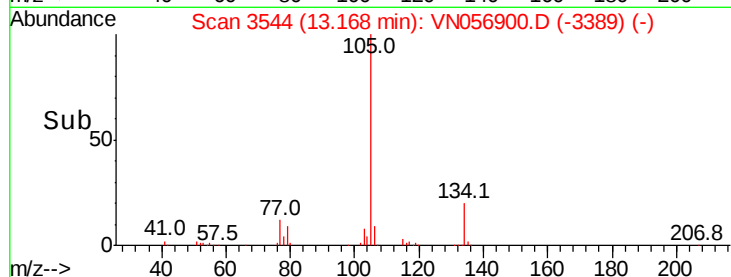
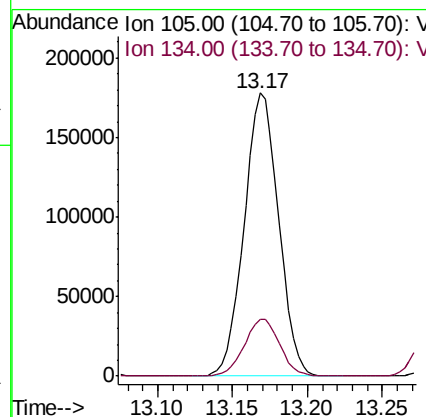
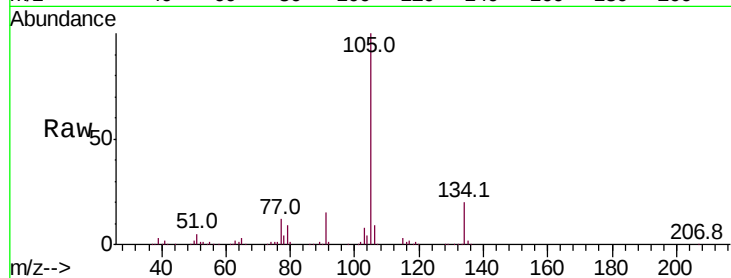
#81
 sec-Butylbenzene
 Concen: 19.804 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. -0.00 min
 Lab File: VN056900.D
 Acq: 24 Jul 2019 1:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
105	100	285281		
134	20.6	0.0	41.2	

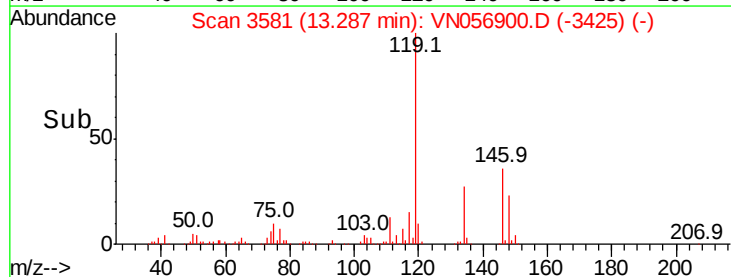
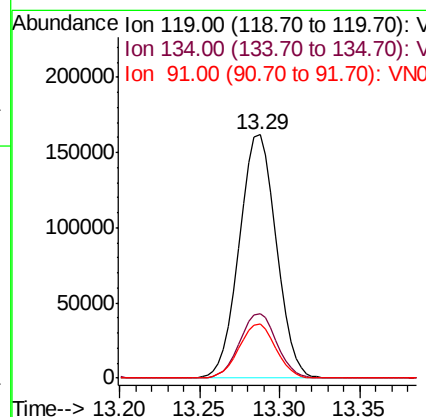
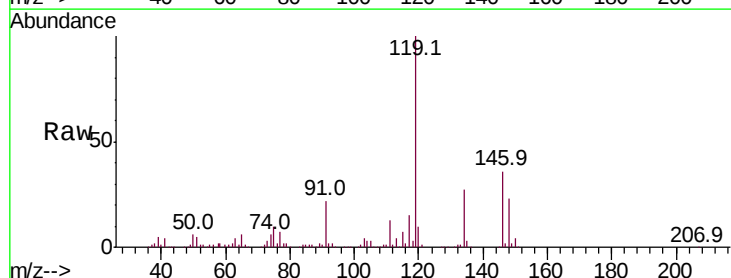
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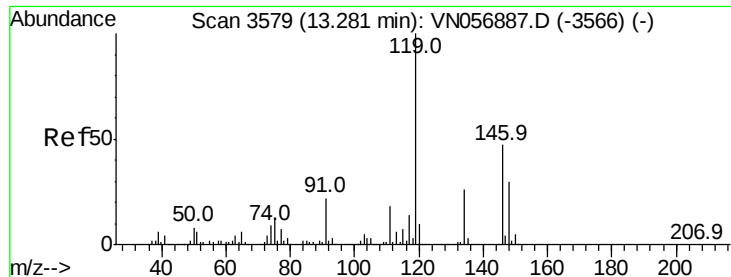
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 7/25/2019 2:20:34 PM



#82
 p-Isopropyltoluene
 Concen: 19.671 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN056900.D
 Acq: 24 Jul 2019 1:55

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	254491		
134	26.5	0.0	53.2	
91	22.2	0.0	44.0	





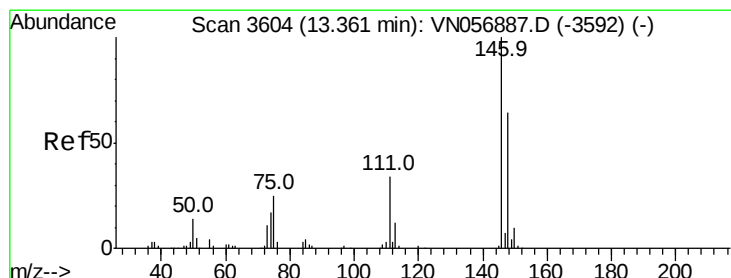
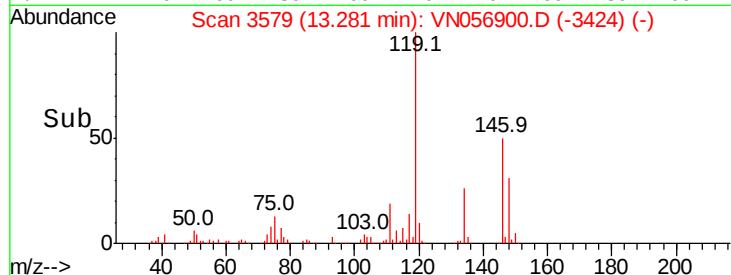
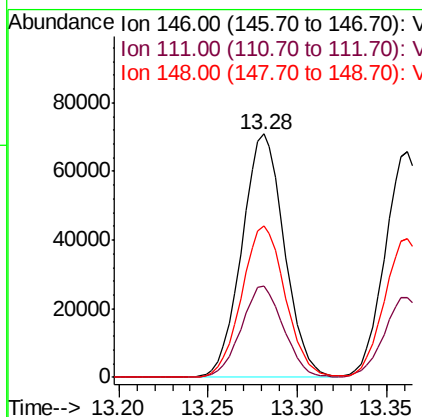
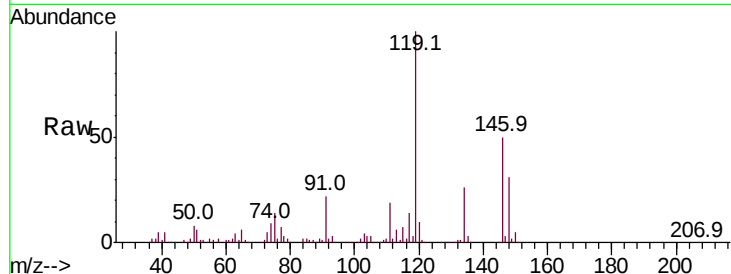
#83
 1,3-Dichlorobenzene
 Concen: 19.084 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN056900.D
 Acq: 24 Jul 2019 1:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	117764		
111	37.2	18.8	56.4	
148	63.7	31.7	95.1	

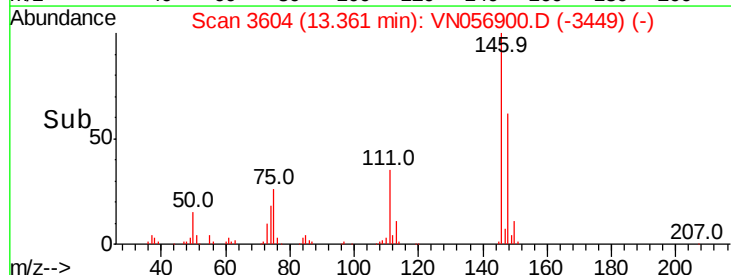
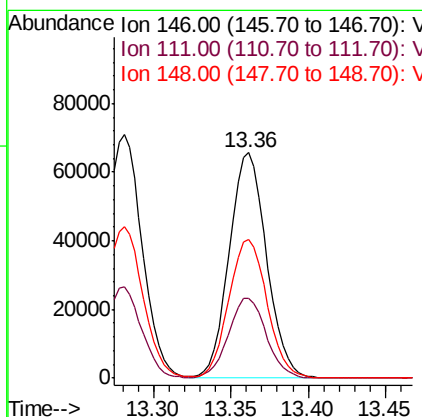
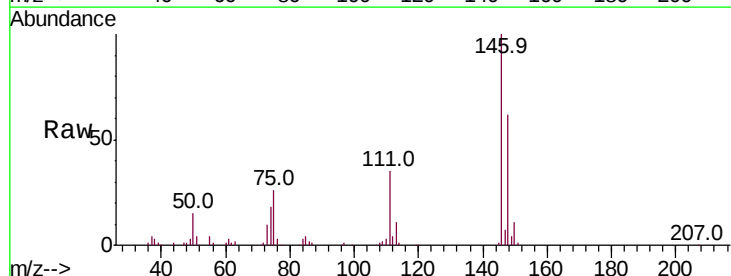
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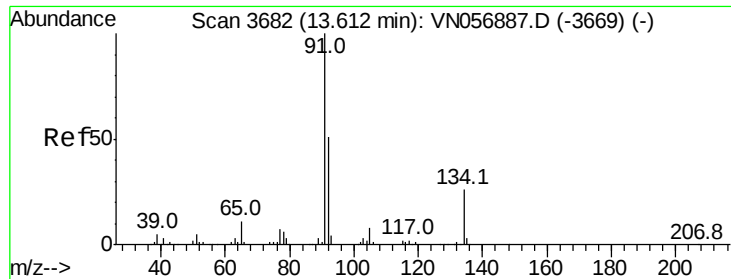
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#84
 1,4-Dichlorobenzene
 Concen: 18.741 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN056900.D
 Acq: 24 Jul 2019 1:55

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	109341		
111	36.3	17.8	53.5	
148	63.5	32.6	97.7	





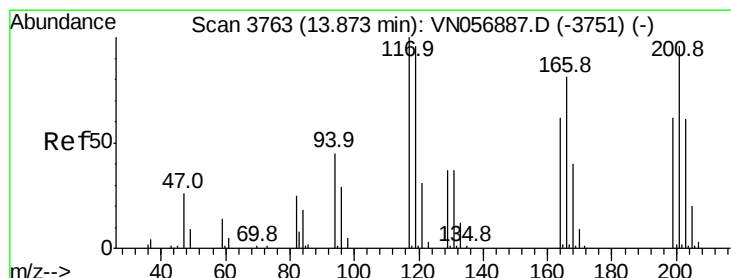
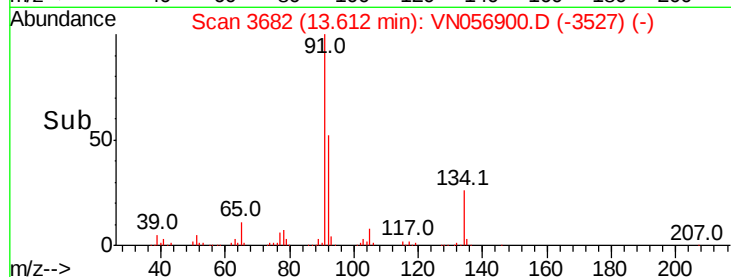
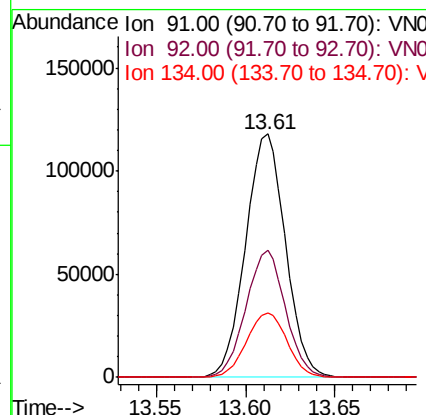
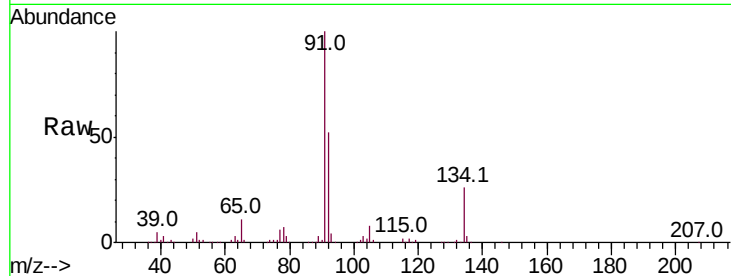
#85
n-Butylbenzene
Concen: 18.211 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN056900.D
Acq: 24 Jul 2019 1:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
91	100	185000		
92	51.6	0.0	101.8	
134	26.9	0.0	52.4	

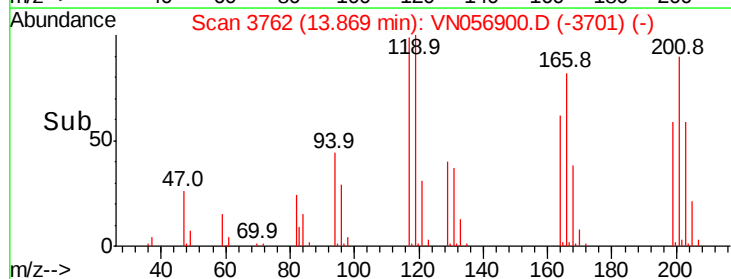
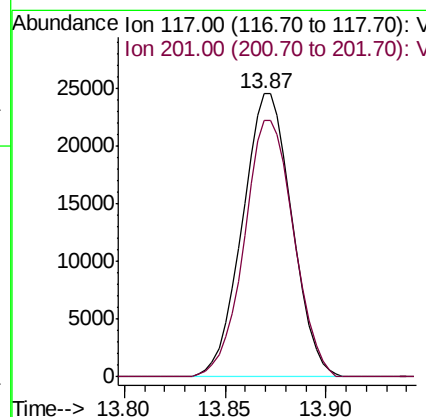
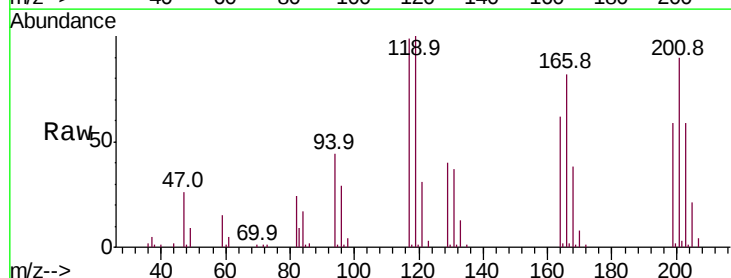
Manual Integrations
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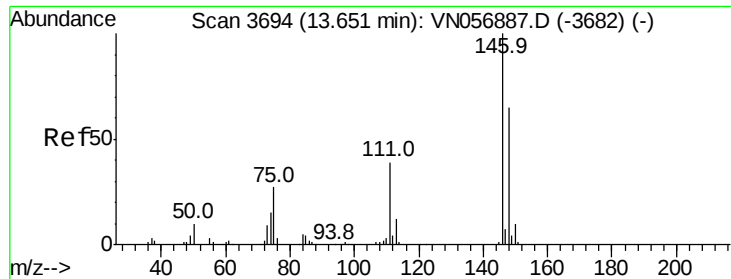
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#86
Hexachloroethane
Concen: 19.464 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN056900.D
Acq: 24 Jul 2019 1:55

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	42141		
201	90.5	47.8	143.3	





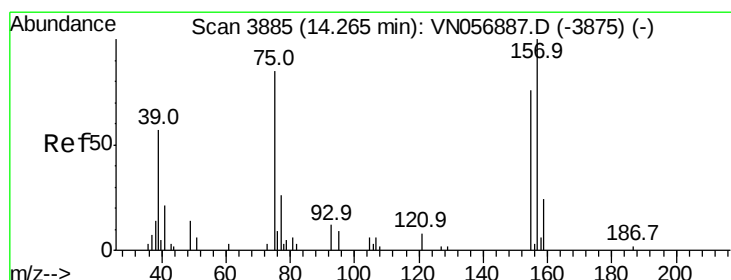
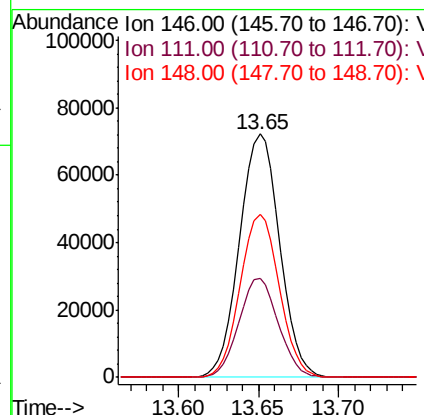
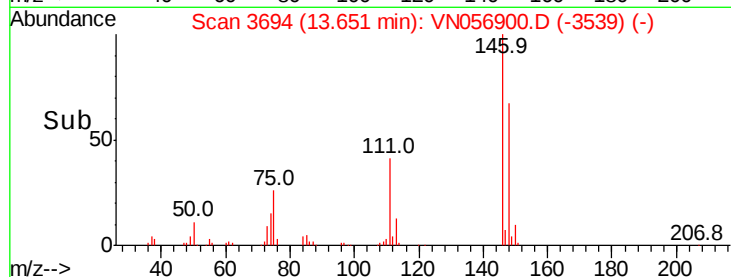
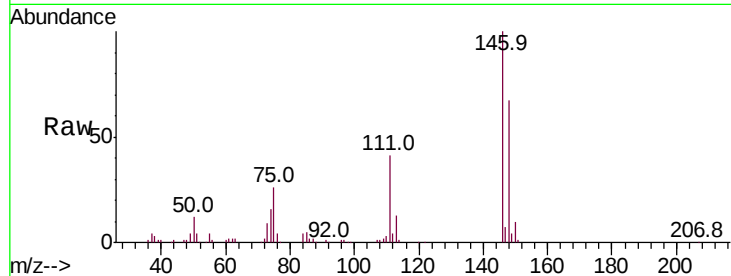
#87
 1,2-Dichlorobenzene
 Concen: 20.146 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN056900.D
 Acq: 24 Jul 2019 1:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.6	58.8
148	65.2	32.5	97.5

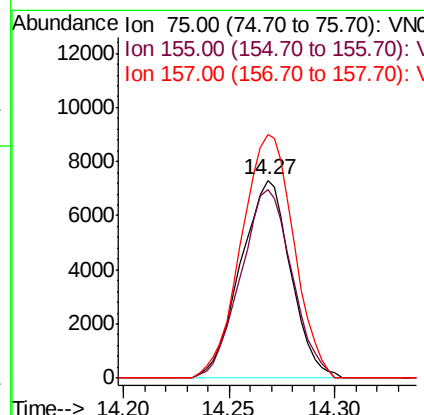
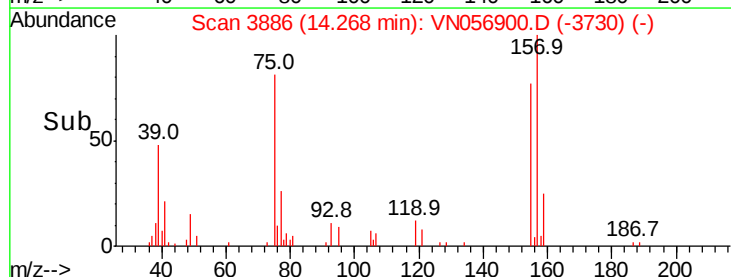
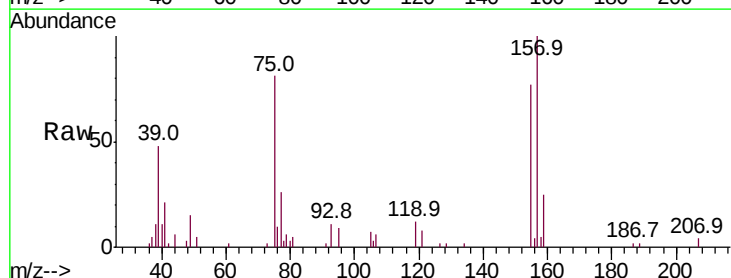
Manual Integrations
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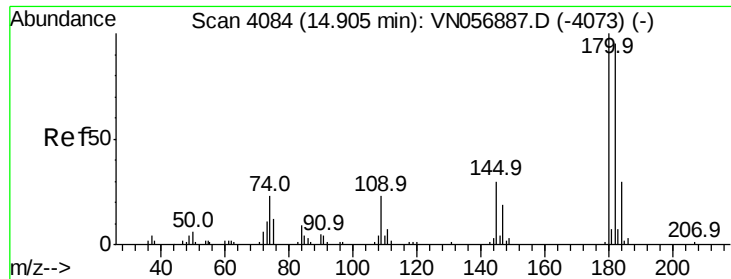
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.336 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056900.D
 Acq: 24 Jul 2019 1:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.3	73.4	110.2
157	128.9	95.0	142.6





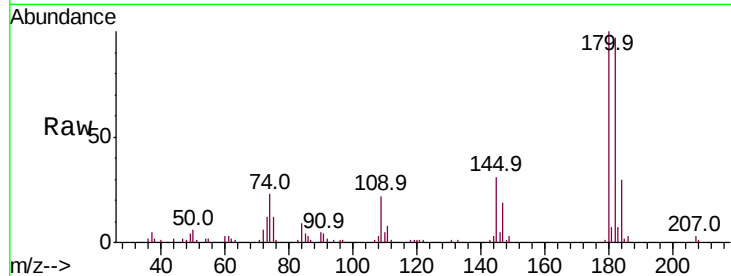
#89
 1,2,4-Trichlorobenzene
 Concen: 19.564 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN056900.D
 Acq: 24 Jul 2019 1:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	77.0	115.4
145	29.3	23.5	35.3

Manual Integrations
 APPROVED

MMDadoda
 7/25/2019 2:20:34 PM

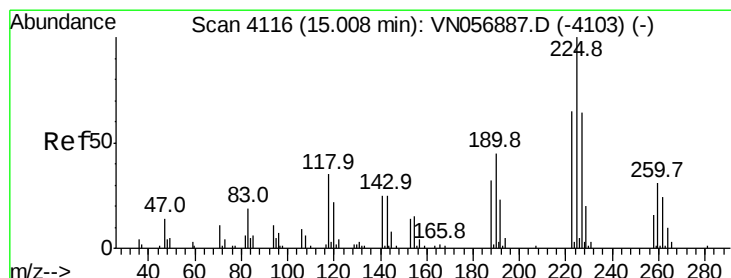
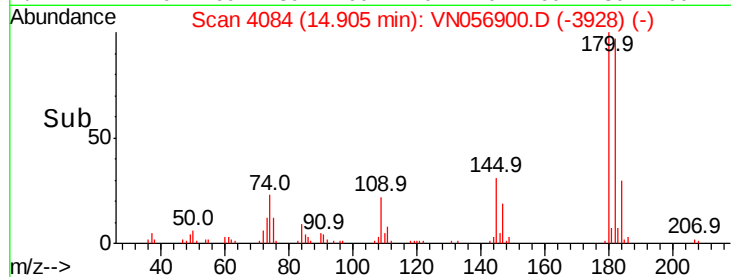
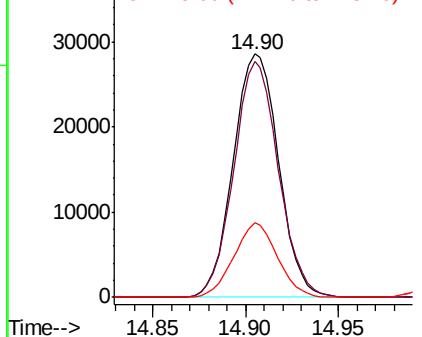


Abundance

Ion 180.00 (179.70 to 180.70): V

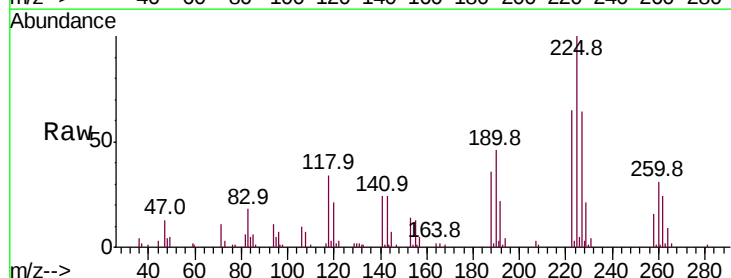
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90
 Hexachlorobutadiene
 Concen: 19.916 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. -0.00 min
 Lab File: VN056900.D
 Acq: 24 Jul 2019 1:55

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.6	0.0	130.0
227	63.4	0.0	127.2

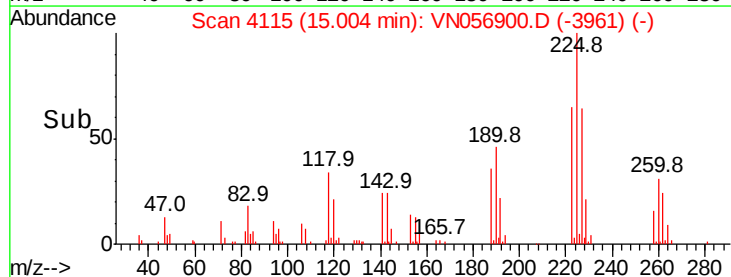
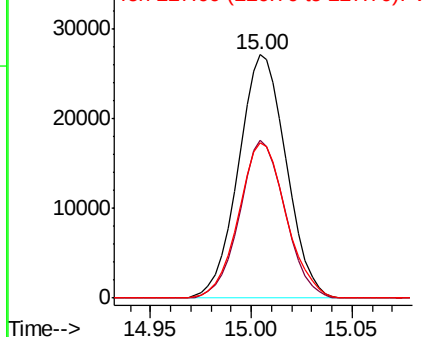


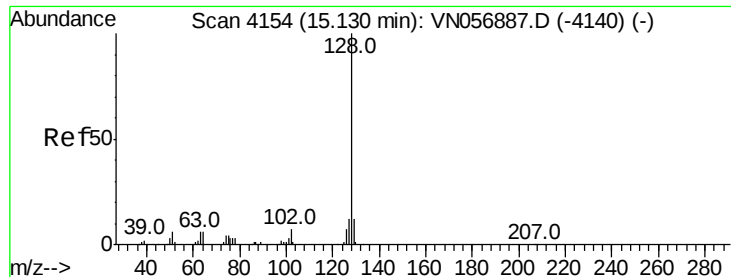
Abundance

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: 18.937 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056900.D

Acq: 24 Jul 2019 1:55

Instrument :

MSVOA_N

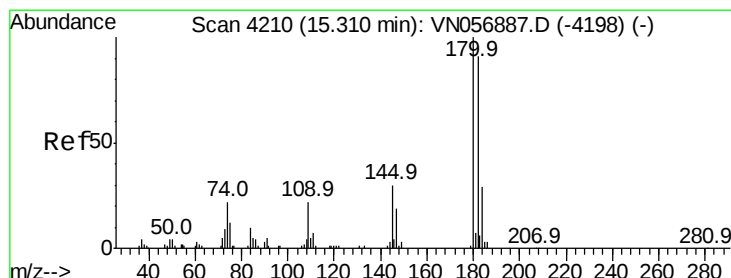
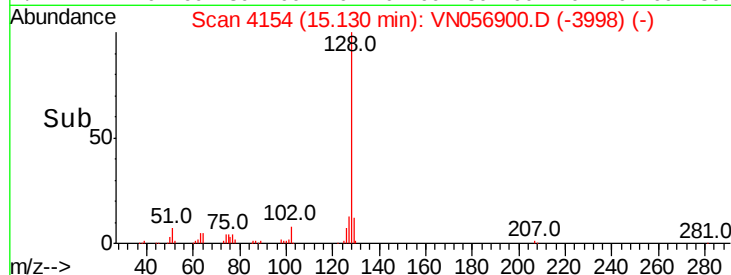
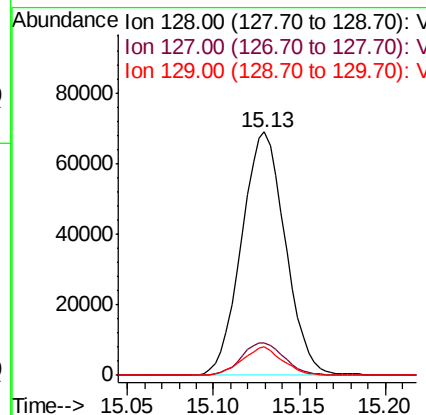
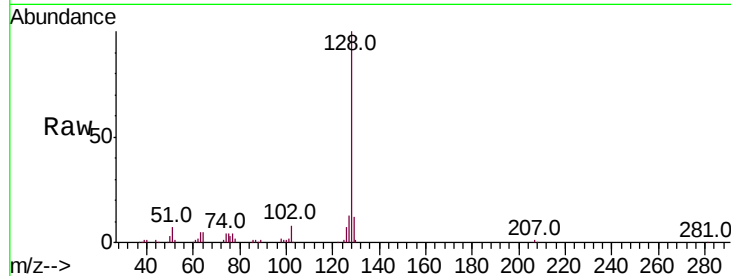
ClientSampleId :

VSTDCCC020EC

Tot Ion:	128	Resp:	122012
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.0	15.0
129	10.8	8.9	13.3

Manual Integrations
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#92

1,2,3-Trichlorobenzene

Concen: 17.659 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN056900.D

Acq: 24 Jul 2019 1:55

Tgt Ion:	180	Resp:	57220
Ion Ratio	Lower	Upper	
180	100		
182	93.9	0.0	188.0
145	29.2	0.0	61.0

