

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052919\
 Data File : VN055880.D
 Acq On : 29 May 2019 16:13
 Operator : JC/SP
 Sample : VN0529WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0529WBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/30/2019 9:35:18 AM

Quant Time: May 30 09:12:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N052219W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 23 05:54:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	53105	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	283956	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	247332	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	103671	29.87	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.57%
60) 4-Bromofluorobenzene	12.40	95	111674	29.02	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.73%
63) Toluene-d8	10.09	98	343554	30.40	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.33%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	42845	18.401	ug/l 97
3) Chloromethane	2.06	50	62598	18.901	ug/l 99
4) Vinyl Chloride	2.18	62	66978	19.815	ug/l 100
5) Bromomethane	2.53	94	45168	22.823	ug/l 98
6) Chloroethane	2.68	64	41753	21.144	ug/l 95
7) Trichlorofluoromethane	3.00	101	87609	20.659	ug/l 99
8) Diethyl Ether	3.40	74	39714	21.303	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	3.74	101	52872	19.732	ug/l 98
10) 1,1-Dichloroethene	3.72	96	55714	19.876	ug/l 93
11) Methyl Iodide	3.94	142	80242	20.067	ug/l 99
12) Methyl Acetate	4.33	43	69909	20.392	ug/l 99
13) Acrolein	3.60	56	38630	81.097	ug/l 100
14) Acrylonitrile	4.99	53	155496	99.488	ug/l 99
15) Acetone	3.82	58	42877	88.333	ug/l 95
16) Carbon Disulfide	4.04	76	137649	17.128	ug/l 99
17) Allyl chloride	4.31	41	91519	18.128	ug/l 95
18) Methylene Chloride	4.54	84	65778	20.490	ug/l 96
19) trans-1,2-Dichloroethene	5.03	96	59666	19.787	ug/l 97
20) Diisopropyl ether	5.95	45	191191	19.522	ug/l 99
21) 1,1-Dichloroethane	5.84	63	108833	19.663	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	70401	20.019	ug/l 95
23) tert-Butyl Alcohol	4.81	59	63227	92.112	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	186375	19.596	ug/l 98
25) Chloroform	7.37	83	108384	19.826	ug/l 100
26) Cyclohexane	7.65	56	96385	18.876	ug/l # 98
29) 1,1-Dichloropropene	7.79	75	79986	20.121	ug/l 98
30) 2-Butanone	6.84	43	208759	98.529	ug/l 99
31) 2,2-Dichloropropane	6.82	77	74219	16.045	ug/l 98
32) 1,1,1-Trichloroethane	7.57	97	91890	19.503	ug/l 99
33) Carbon Tetrachloride	7.77	117	77638	18.420	ug/l 98
34) Benzene	8.04	78	255944	20.855	ug/l 100
35) Methacrylonitrile	7.17	41	38895	19.889	ug/l 99
36) 1,2-Dichloroethane	8.12	62	84621	21.099	ug/l 98
37) Trichloroethene	8.83	130	69625	20.333	ug/l 97
38) Methylcyclohexane	9.08	83	98882	19.634	ug/l 98
39) 1,2-Dichloropropane	9.12	63	66628	20.195	ug/l 98
40) Dibromomethane	9.21	93	43693	20.509	ug/l 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	9.40	83	82913	18.989	ug/l	98
42) Vinyl Acetate	5.90	43	801555	97.439	ug/l	100
43) Ethyl Acetate	6.93	43	74997	18.008	ug/l #	100
44) Isopropyl Acetate	8.17	43	133480	19.355	ug/l #	86
45) 1,4-Dioxane	9.20	88	27688	426.760	ug/l	99
46) Methyl methacrylate	9.20	41	66022	20.519	ug/l	98
47) n-amyl Acetate	12.07	43	104853	18.382	ug/l	95
48) t-1,3-Dichloropropene	10.38	75	82959	17.212	ug/l	97
49) cis-1,3-Dichloropropene	9.84	75	95495	18.102	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	63597	20.506	ug/l	97
51) Ethyl methacrylate	10.43	69	96626	19.329	ug/l	99
52) 1,3-Dichloropropane	10.71	76	104793	20.499	ug/l	100
53) Dibromochloromethane	10.90	129	64847	17.699	ug/l	100
54) 1,2-Dibromoethane	11.00	107	64830	20.200	ug/l	99
55) 2-Chloroethyl vinyl ether	9.69	63	168879	86.825	ug/l	99
56) Bromoform	12.13	173	46363	15.427	ug/l #	96
58) 4-Methyl-2-Pentanone	9.99	43	422844	103.272	ug/l	99
59) 2-Hexanone	10.75	43	289523	98.908	ug/l	100
61) Tetrachloroethene	10.63	164	71511	21.359	ug/l	98
62) Toluene	10.16	91	280571	21.095	ug/l	99
64) Chlorobenzene	11.43	112	168000	20.823	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	62137	19.115	ug/l	98
66) Ethyl Benzene	11.51	91	298228	20.522	ug/l	100
67) m/p-Xylenes	11.62	106	227573	41.223	ug/l	99
68) o-Xylene	11.95	106	111546	20.419	ug/l	99
69) Styrene	11.96	104	179377	19.902	ug/l	99
70) Isopropylbenzene	12.25	105	295258	20.657	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.50	83	89539	20.355	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	74363m	19.642	ug/l	
73) Bromobenzene	12.53	156	75133	19.869	ug/l	99
74) n-propylbenzene	12.59	91	309403	20.071	ug/l	100
75) 2-Chlorotoluene	12.67	91	191498	20.336	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	240158	20.327	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	21732	14.451	ug/l	85
78) 4-Chlorotoluene	12.77	91	175153	19.626	ug/l	99
79) tert-butylbenzene	12.99	119	213894	20.593	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	232426	19.817	ug/l	100
81) sec-Butylbenzene	13.17	105	271751	20.592	ug/l	99
82) p-Isopropyltoluene	13.29	119	240017	19.762	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	113076	19.076	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	103657	18.362	ug/l	99
85) n-Butylbenzene	13.61	91	171929	18.196	ug/l	99
86) Hexachloroethane	13.87	117	39334	16.466	ug/l	92
87) 1,2-Dichlorobenzene	13.65	146	116484	19.515	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	13969	16.755	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	47660	14.792	ug/l	98
90) Hexachlorobutadiene	15.01	225	42921	17.854	ug/l	97
91) Naphthalene	15.13	128	138490	15.732	ug/l	100
92) 1,2,3-Trichlorobenzene	15.31	180	55823	16.578	ug/l	98

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VN0529WBSD01

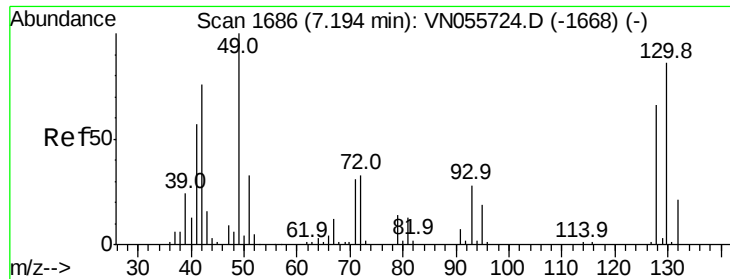
Manual Integrations
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QLast Update : Thu May 23 05:54:54 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN055880.D

Acq: 29 May 2019 16:13

Instrument :

MSVOA_N

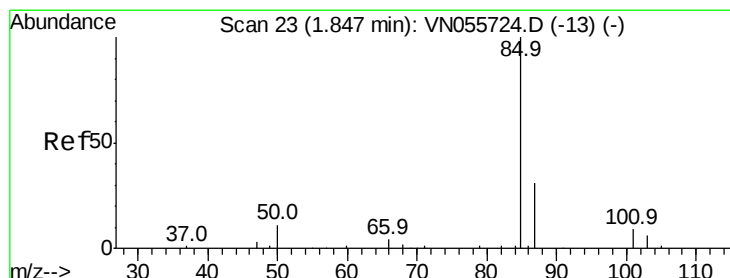
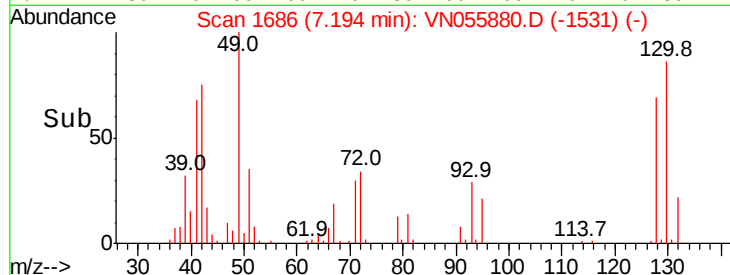
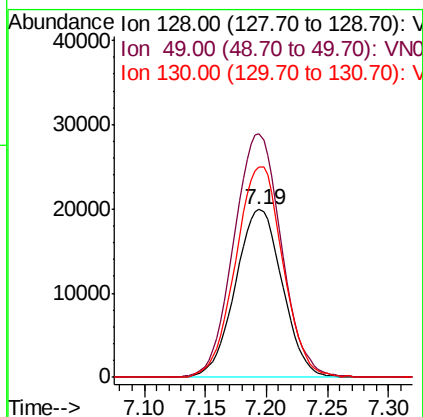
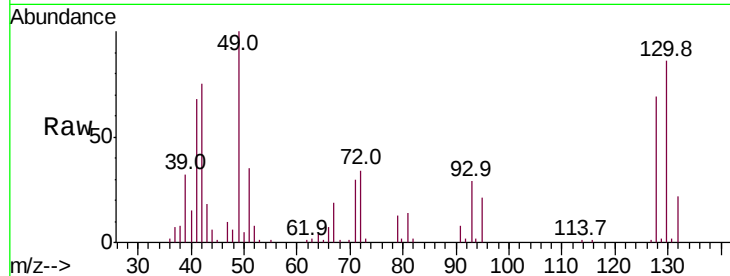
ClientSampleId :

VN0529WBSD01

Tot Ion:	128	Resp:	53105
Ion	Ratio	Lower	Upper
128	100		
49	147.2	0.0	383.2
130	126.8	0.0	326.3

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#2

Dichlorodifluoromethane

Concen: 18.401 ug/l

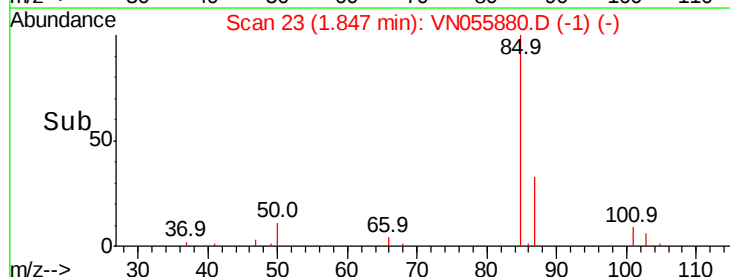
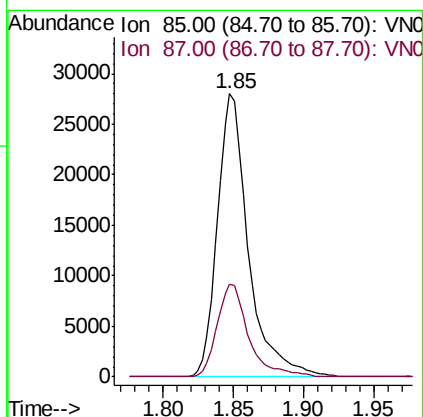
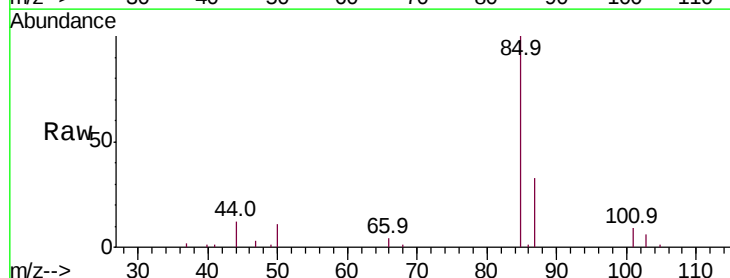
RT: 1.85 min Scan# 23

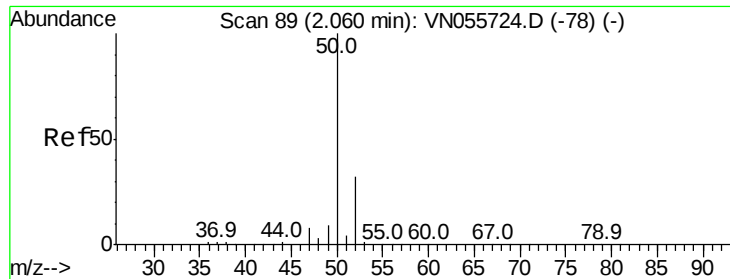
Delta R.T. -0.00 min

Lab File: VN055880.D

Acq: 29 May 2019 16:13

Tgt Ion:	85	Resp:	42845
Ion	Ratio	Lower	Upper
85	100		
87	32.8	15.7	47.0





#3

Chloromethane

Concen: 18.901 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN055880.D

Acq: 29 May 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

VN0529WBSD01

Tot Ion: 50 Resp: 62598

Ion Ratio Lower Upper

50 100

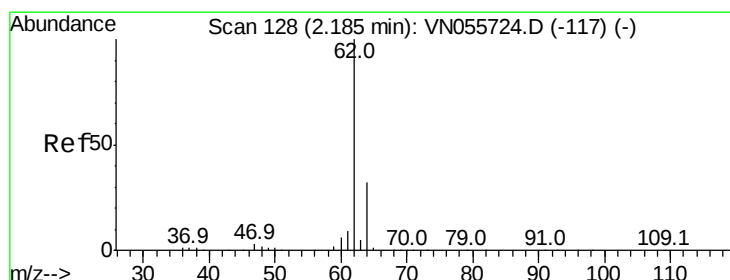
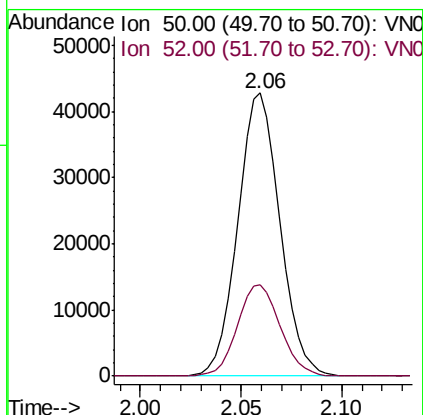
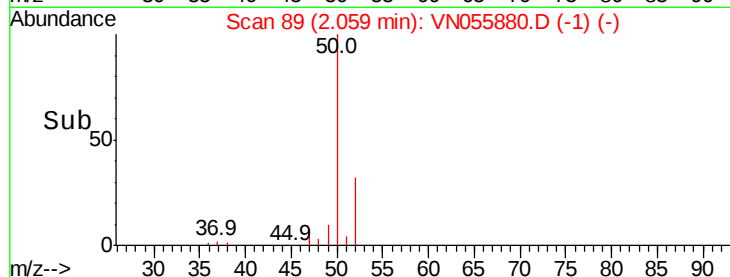
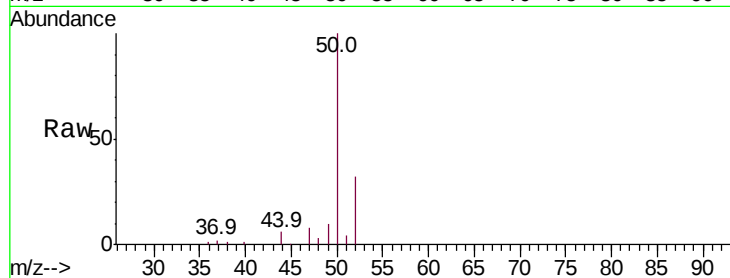
52 32.2 25.4 38.2

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#4

Vinyl Chloride

Concen: 19.815 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN055880.D

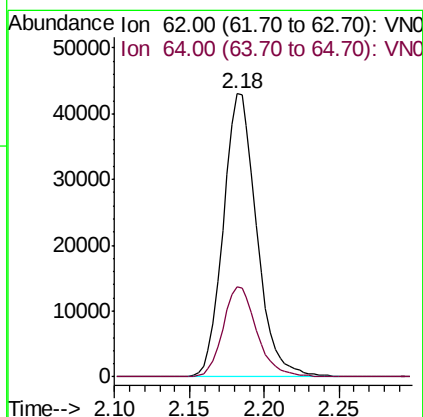
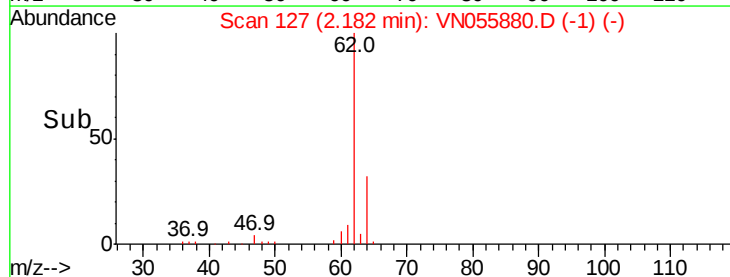
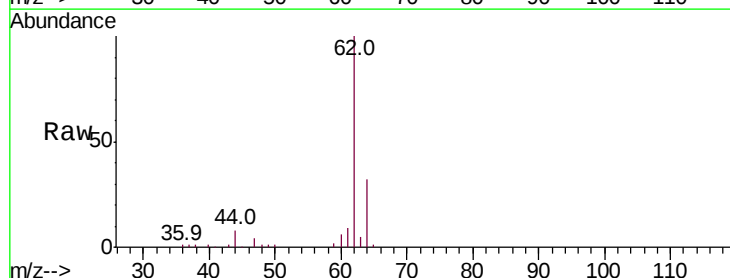
Acq: 29 May 2019 16:13

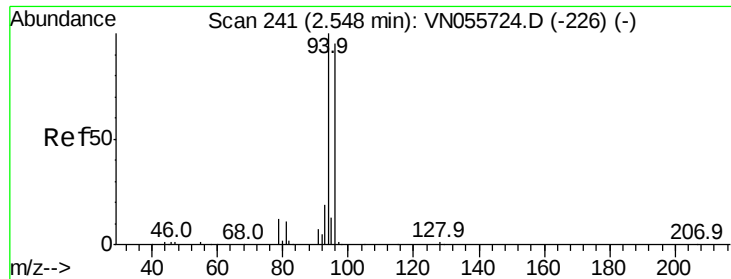
Tgt Ion: 62 Resp: 66978

Ion Ratio Lower Upper

62 100

64 31.9 25.7 38.5





#5

Bromomethane

Concen: 22.823 ug/l

RT: 2.53 min Scan# 236

Delta R.T. -0.02 min

Lab File: VN055880.D

Acq: 29 May 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

VN0529WBSD01

Tot Ion: 94 Resp: 45168

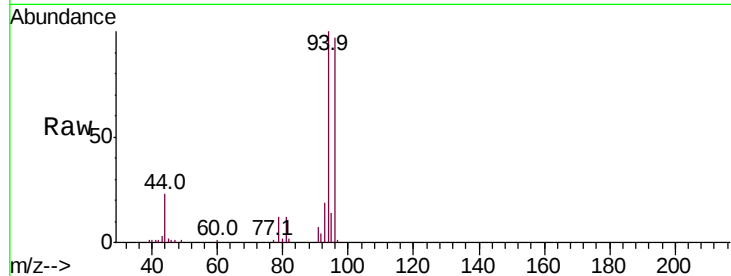
Ion Ratio Lower Upper

94 100

96 96.6 75.8 113.8

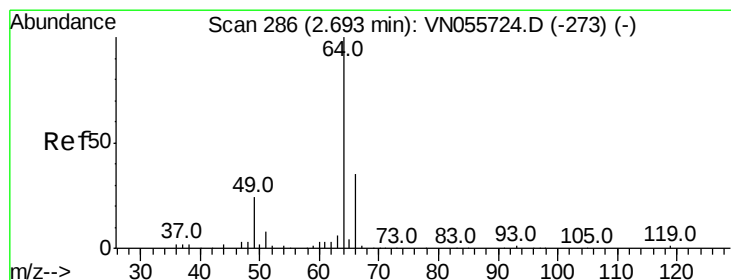
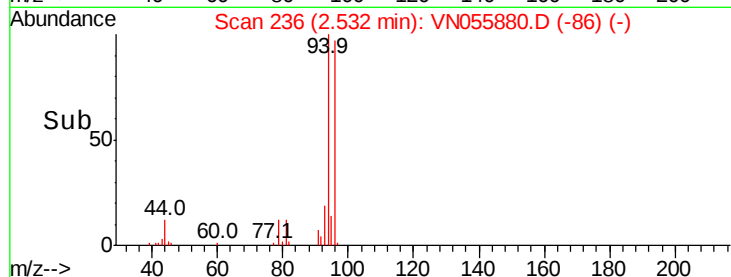
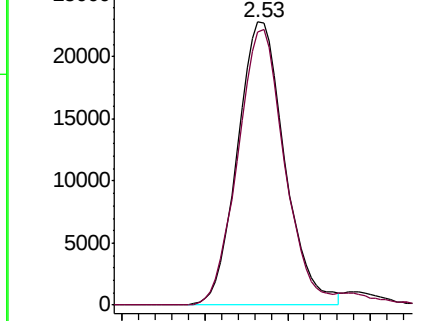
Manual Integrations
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 21.144 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.01 min

Lab File: VN055880.D

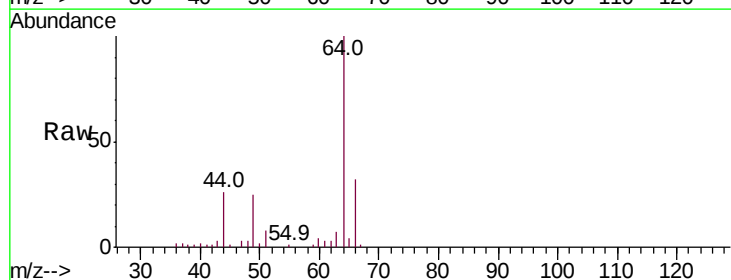
Acq: 29 May 2019 16:13

Tgt Ion: 64 Resp: 41753

Ion Ratio Lower Upper

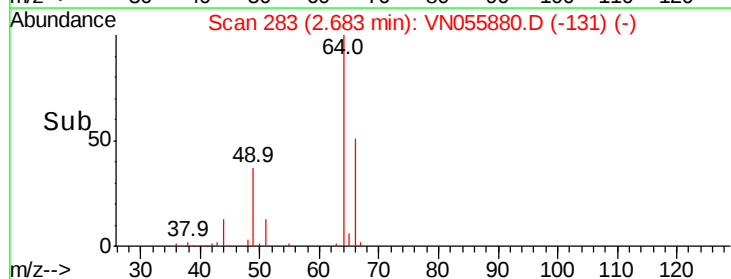
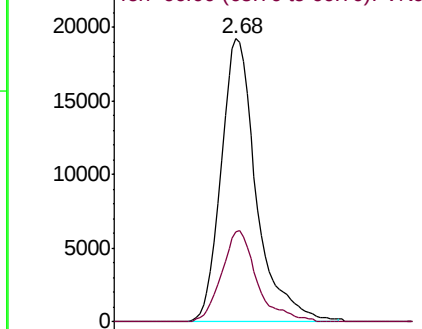
64 100

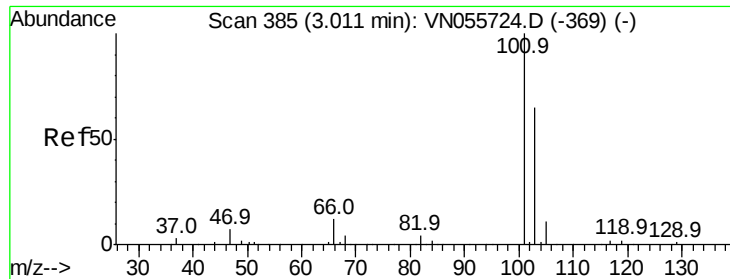
66 31.8 27.9 41.9



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

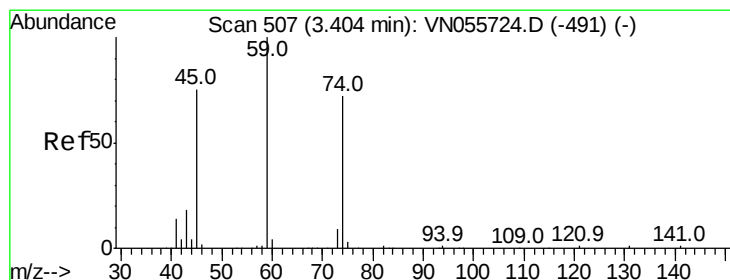
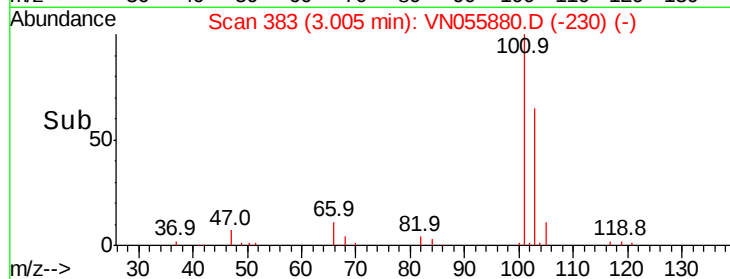
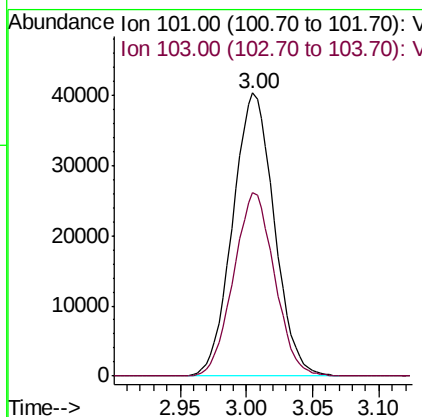
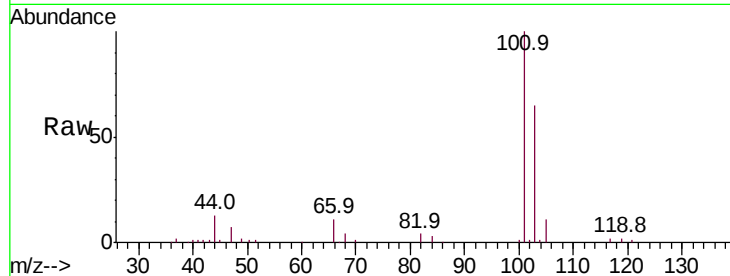
Trichlorofluoromethane
 Concen: 20.659 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. -0.01 min
 Lab File: VN055880.D
 Acq: 29 May 2019 16:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0529WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	52.6	78.8

Manual Integrations
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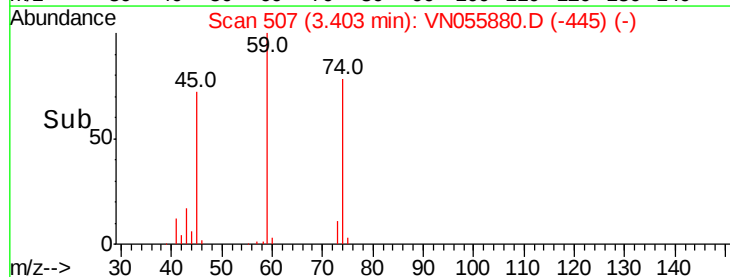
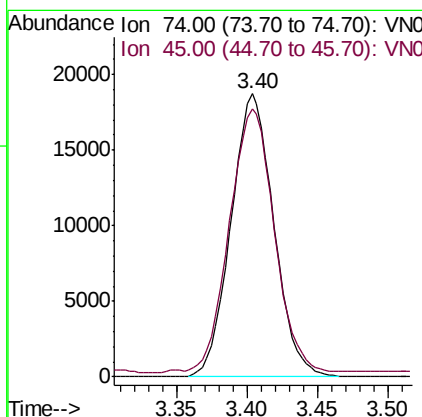
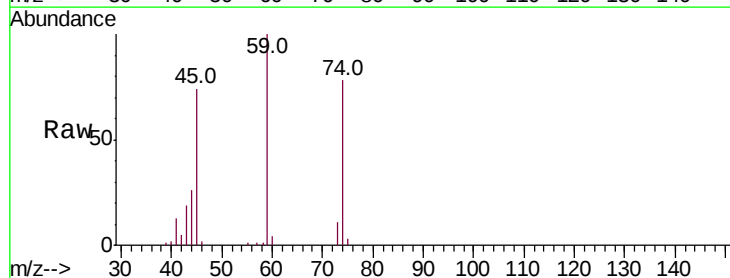
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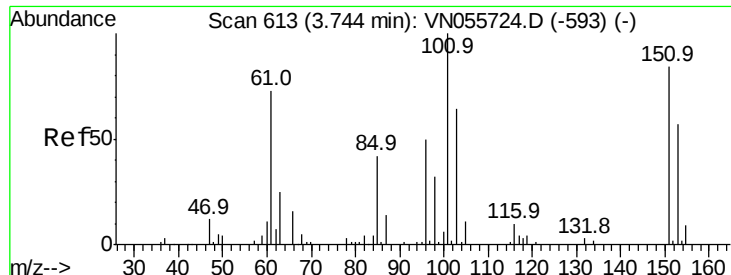


#8

Diethyl Ether
 Concen: 21.303 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. -0.00 min
 Lab File: VN055880.D
 Acq: 29 May 2019 16:13

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.0	20.4	184.0





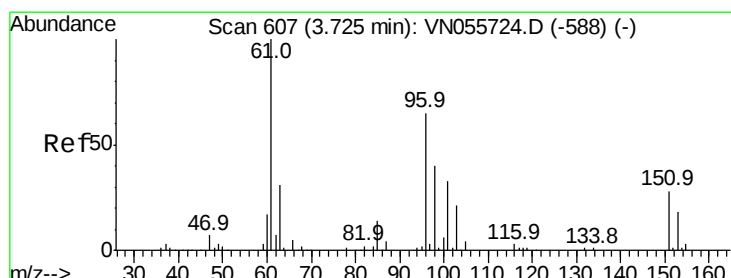
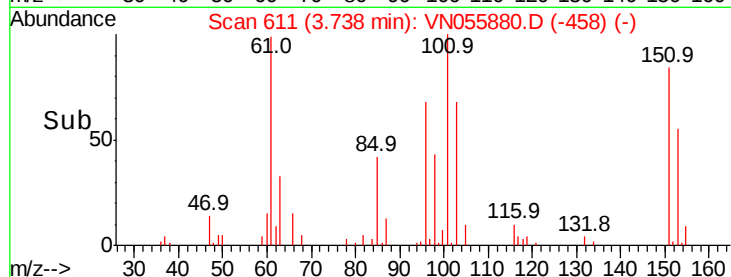
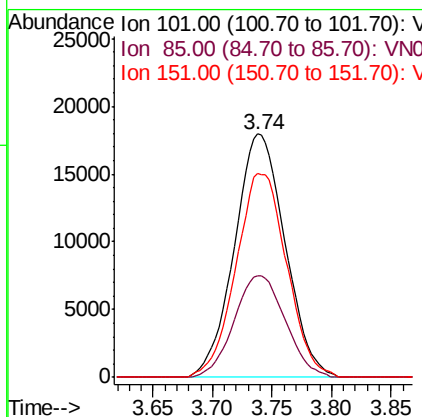
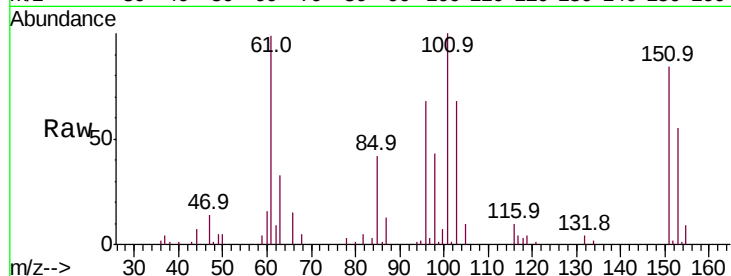
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.732 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. -0.01 min
 Lab File: VN055880.D
 Acq: 29 May 2019 16:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0529WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
85	42.4	0.0	86.6
151	84.1	0.0	172.2

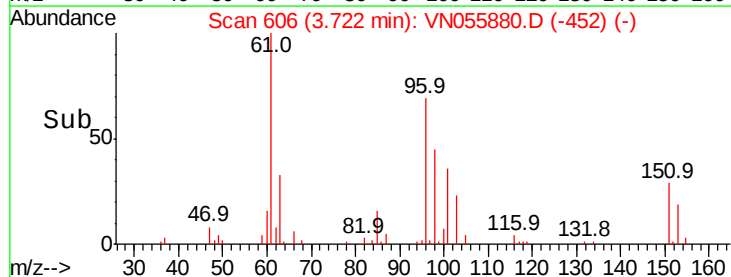
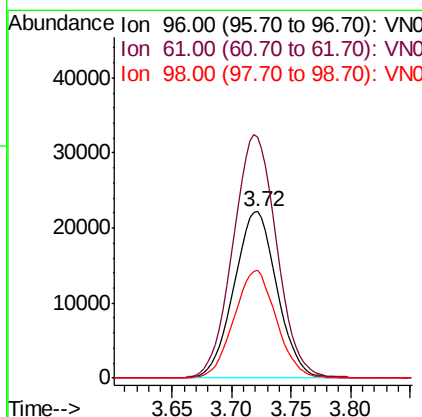
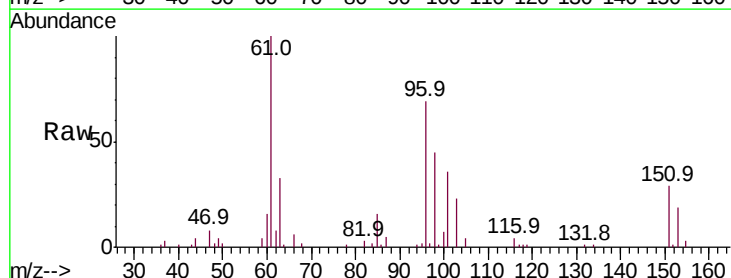
Manual Integrations
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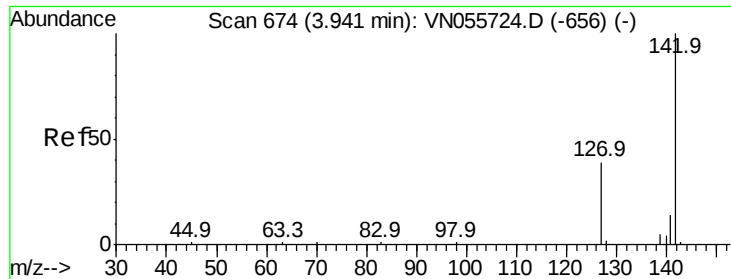
MMDadoda
 5/30/2019 9:35:18 AM



#10
 1,1-Dichloroethene
 Concen: 19.876 ug/l
 RT: 3.72 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: VN055880.D
 Acq: 29 May 2019 16:13

Tgt Ion	Ratio	Lower	Upper
96	100		
61	143.9	123.7	185.5
98	65.0	50.0	75.0





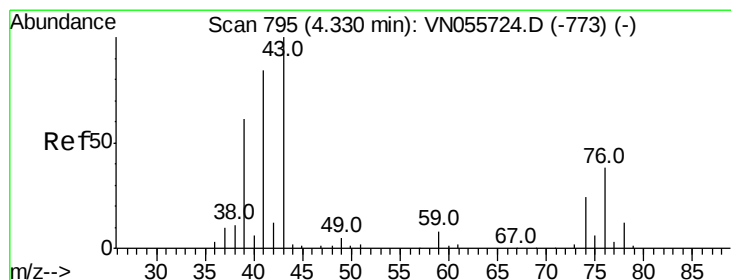
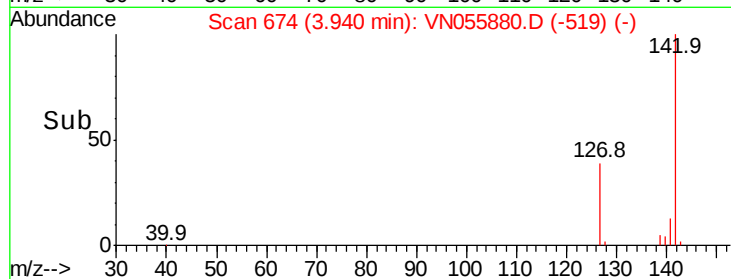
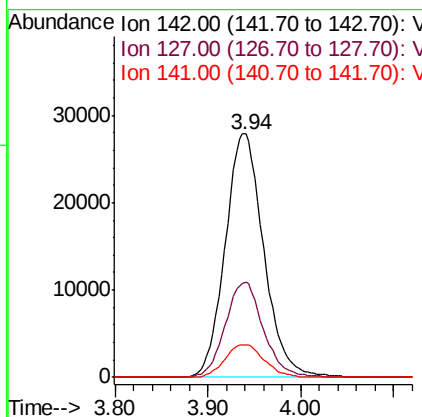
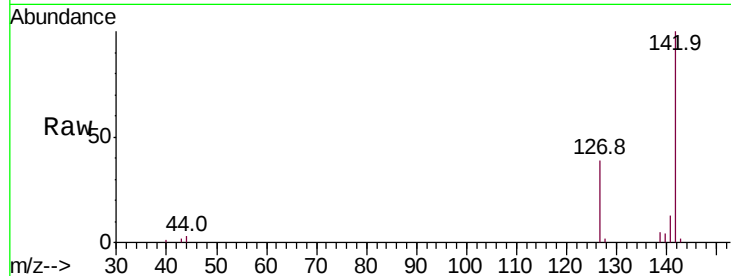
#11
Methyl Iodide
Concen: 20.067 ug/l
RT: 3.94 min Scan# 674
Delta R.T. -0.00 min
Lab File: VN055880.D
Acq: 29 May 2019 16:13

Instrument :
MSVOA_N
ClientSampled :
VN0529WBSD01

Tot Ion	Ratio	Lower	Upper
142	100		
127	39.3	19.6	58.7
141	13.2	6.9	20.6

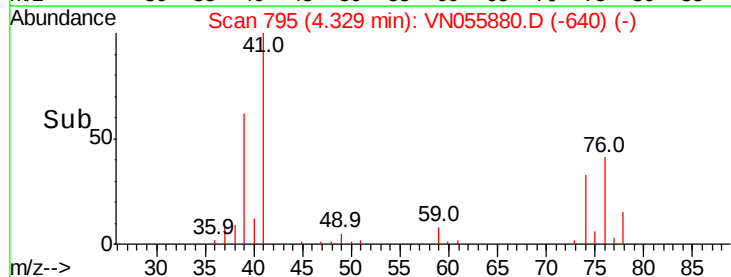
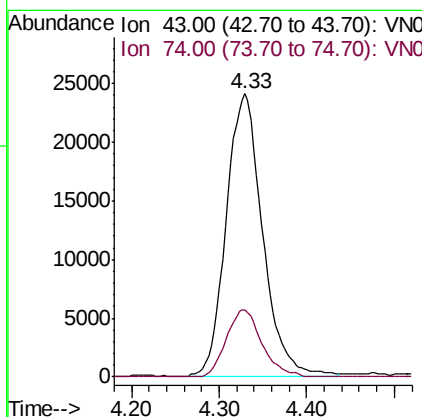
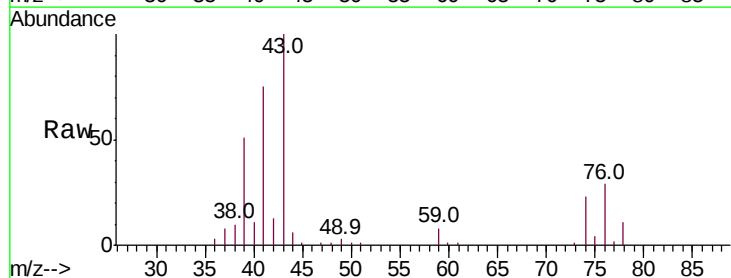
Manual Integrations
APPROVED

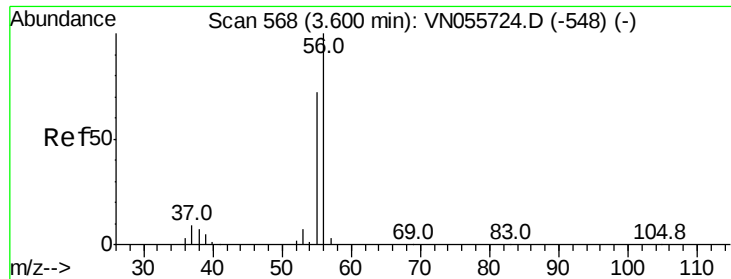
MMDadoda
5/30/2019 9:35:18 AM



#12
Methyl Acetate
Concen: 20.392 ug/l
RT: 4.33 min Scan# 795
Delta R.T. -0.00 min
Lab File: VN055880.D
Acq: 29 May 2019 16:13

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.6	19.2	28.8





#13

Acrolein

Concen: 81.097 ug/l

RT: 3.60 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN055880.D

Acq: 29 May 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

VN0529WBSD01

Tot Ion: 56 Resp: 38630

Ion Ratio Lower Upper

56 100

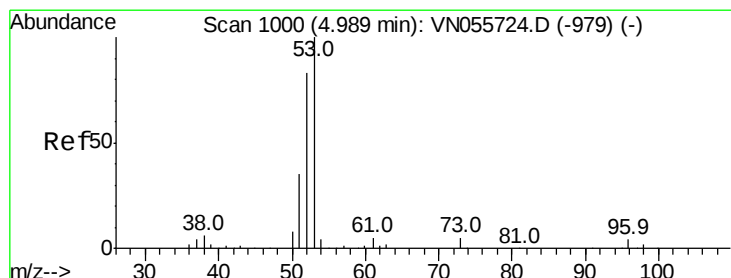
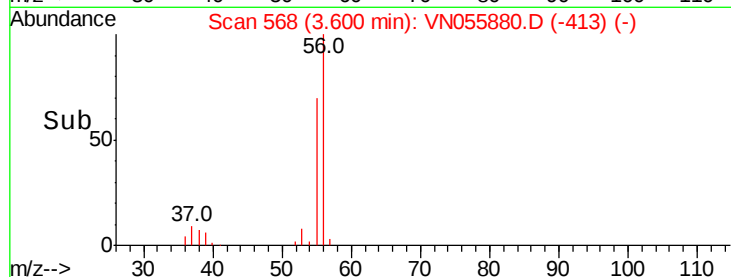
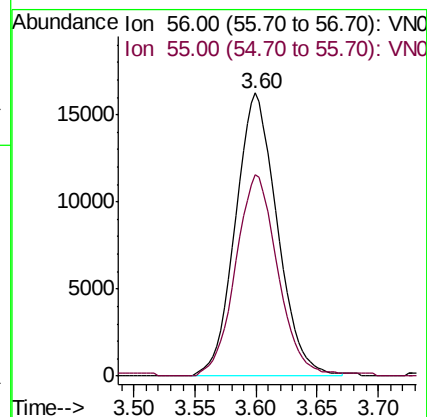
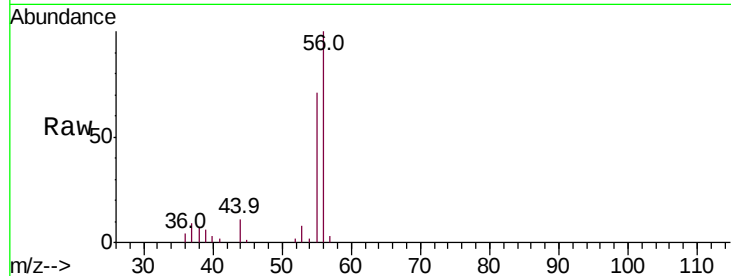
55 71.5 57.0 85.6

Manual Integrations

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#14

Acrylonitrile

Concen: 99.488 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN055880.D

Acq: 29 May 2019 16:13

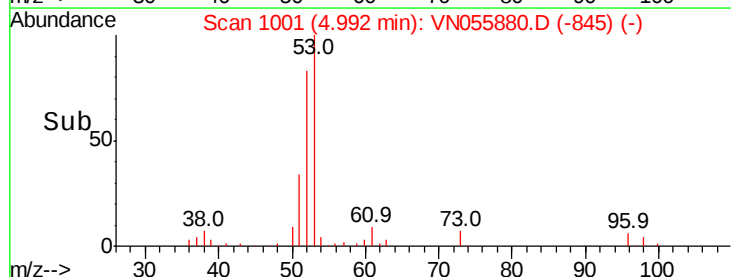
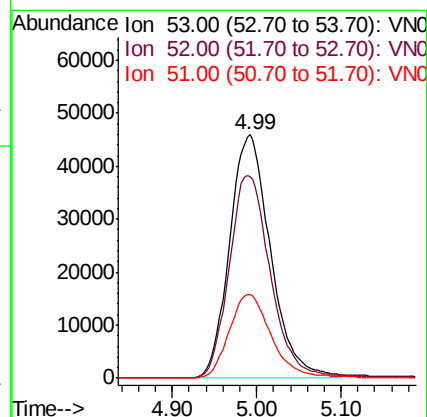
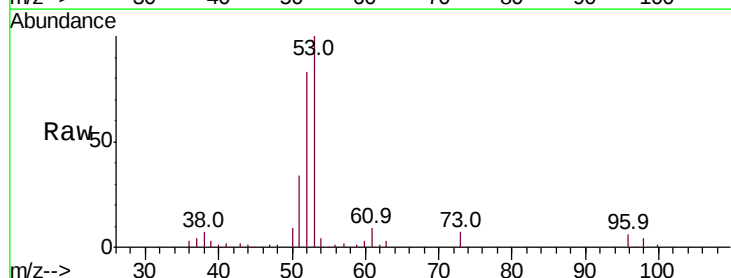
Tgt Ion: 53 Resp: 155496

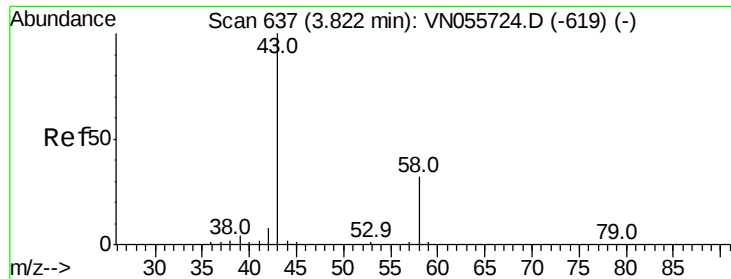
Ion Ratio Lower Upper

53 100

52 83.3 41.1 123.4

51 35.2 17.5 52.6





#15

Acetone

Concen: 88.333 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.00 min

Lab File: VN055880.D

Acq: 29 May 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

VN0529WBSD01

Tot Ion: 58 Resp: 42877

Ion Ratio Lower Upper

58 100

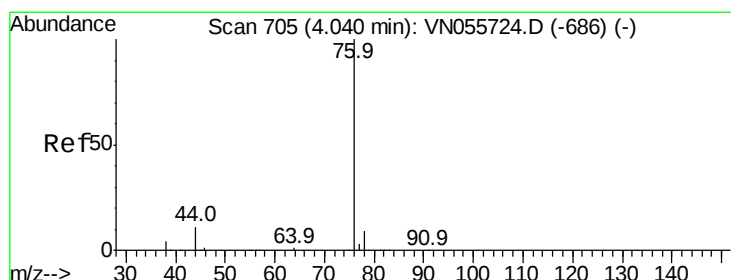
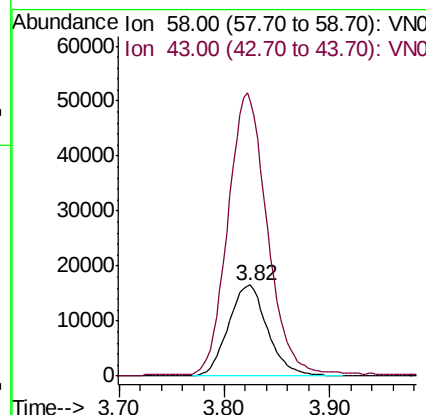
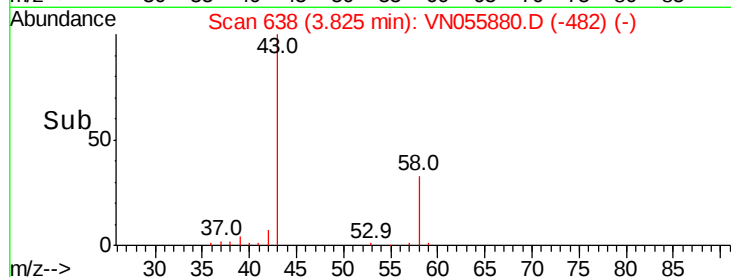
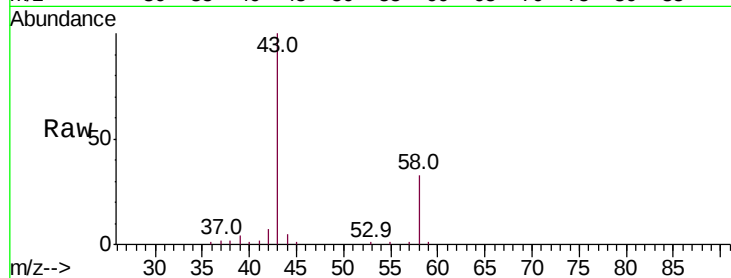
43 301.7 248.8 373.2

Manual Integrations

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#16

Carbon Disulfide

Concen: 17.128 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.00 min

Lab File: VN055880.D

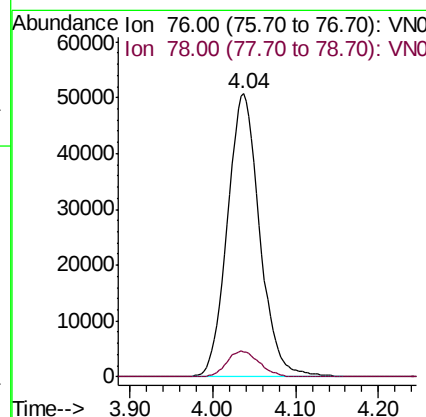
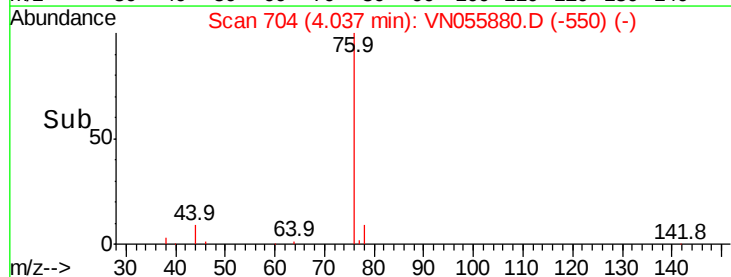
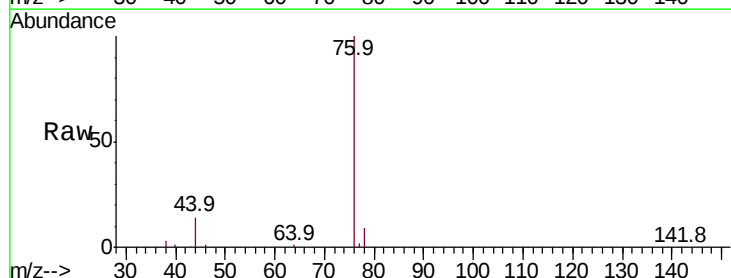
Acq: 29 May 2019 16:13

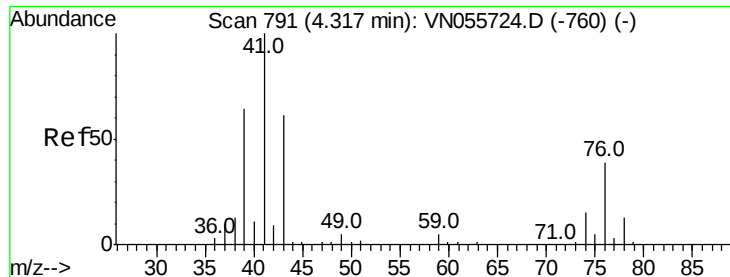
Tgt Ion: 76 Resp: 137649

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0





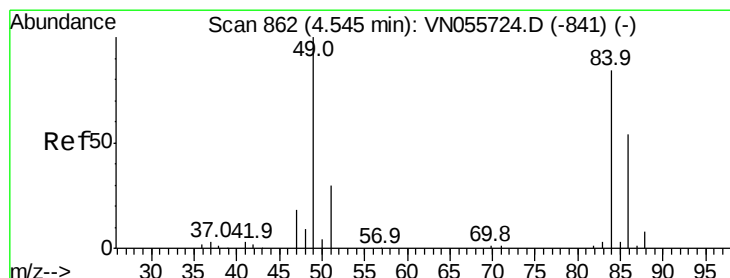
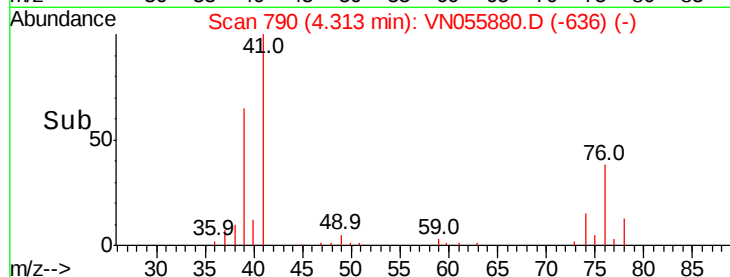
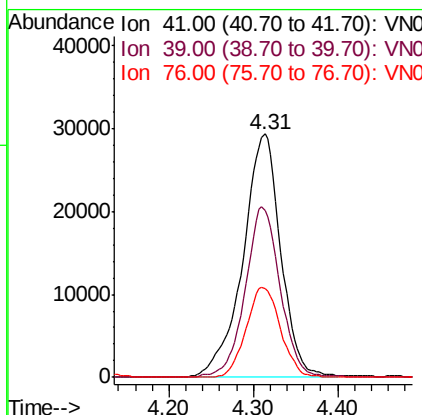
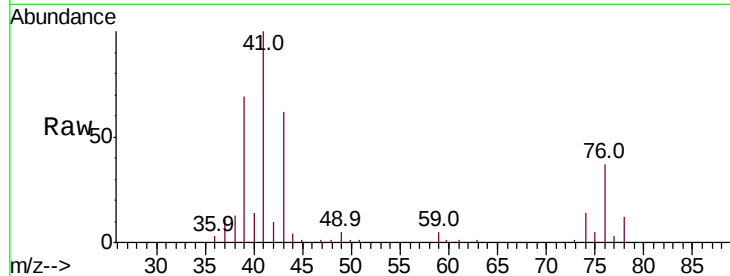
#17
Allvl chloride
Concen: 18.128 ug/l
RT: 4.31 min Scan# 790
Delta R.T. -0.00 min
Lab File: VN055880.D
Acq: 29 May 2019 16:13

Instrument :
MSVOA_N
ClientSampleId :
VN0529WBSD01

Tot Ion:	41	Resp:	91519
Ion Ratio	Lower	Upper	
41	100		
39	68.7	31.8	95.3
76	36.7	19.3	57.9

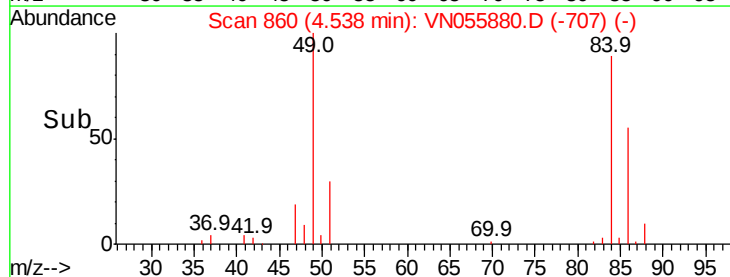
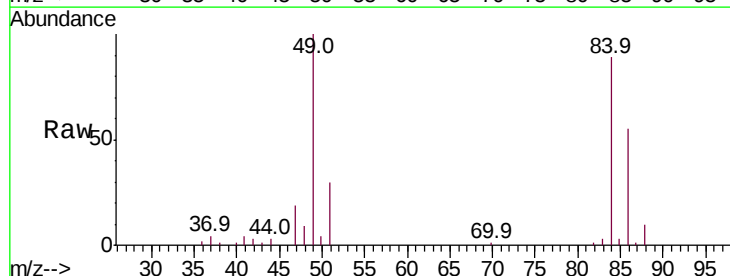
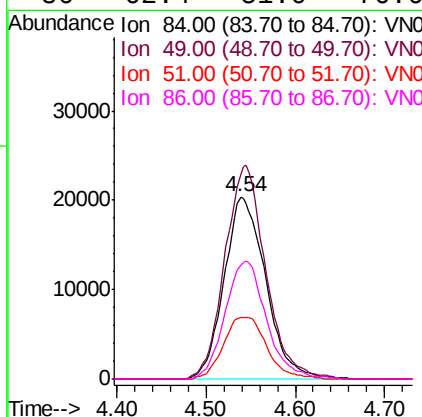
Manual Integrations
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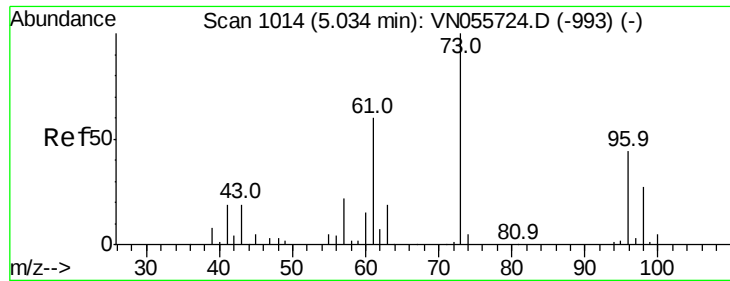
MMDadoda
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#18
Methylene Chloride
Concen: 20.490 ug/l
RT: 4.54 min Scan# 860
Delta R.T. -0.01 min
Lab File: VN055880.D
Acq: 29 May 2019 16:13

Tgt Ion:	84	Resp:	65778
Ion Ratio	Lower	Upper	
84	100		
49	112.1	94.7	142.1
51	33.7	28.6	43.0
86	62.4	51.0	76.6





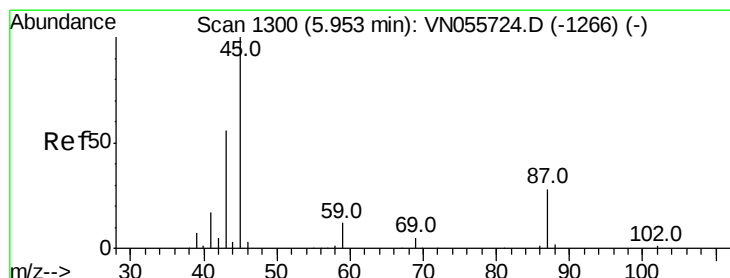
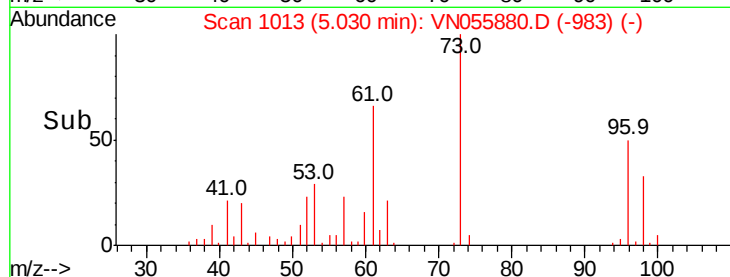
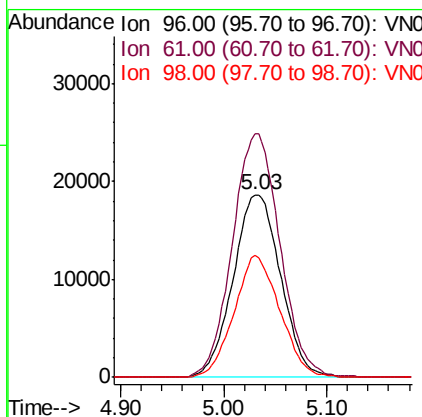
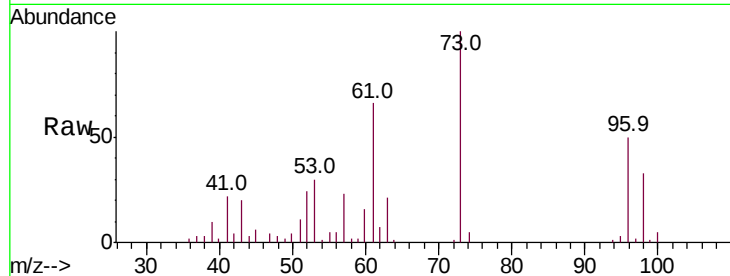
#19
trans-1,2-Dichloroethene
Concen: 19.787 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VN055880.D
Acq: 29 May 2019 16:13

Instrument :
MSVOA_N
ClientSampleId :
VN0529WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.6	108.5	162.7
98	67.1	49.4	74.2

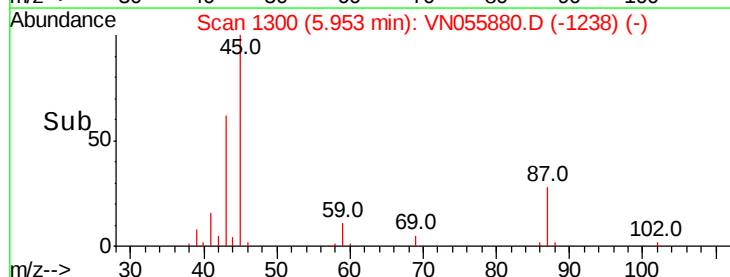
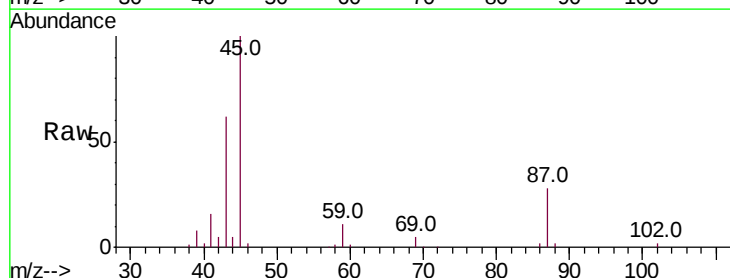
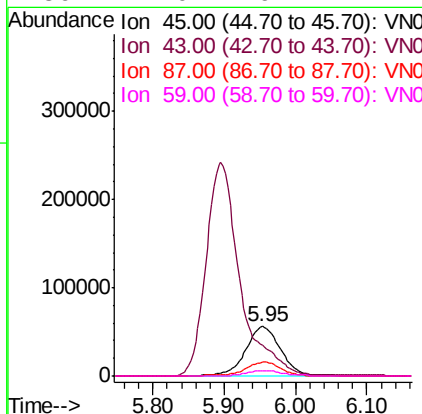
Manual Integrations
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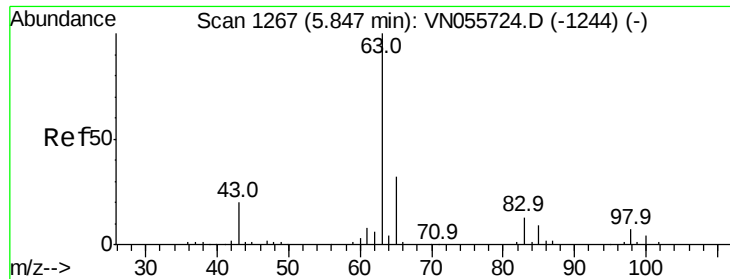
MMDadoda
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#20
Diisopropyl ether
Concen: 19.522 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN055880.D
Acq: 29 May 2019 16:13

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.3	48.6	73.0
87	27.4	22.6	34.0
59	11.0	9.4	14.2





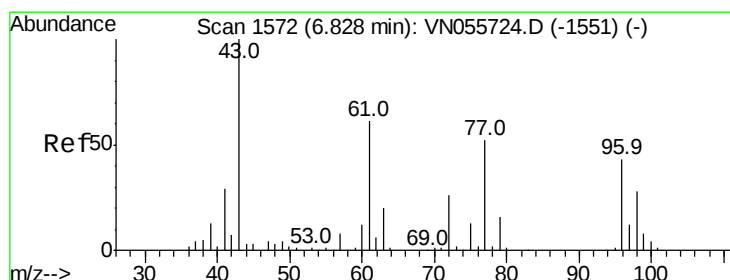
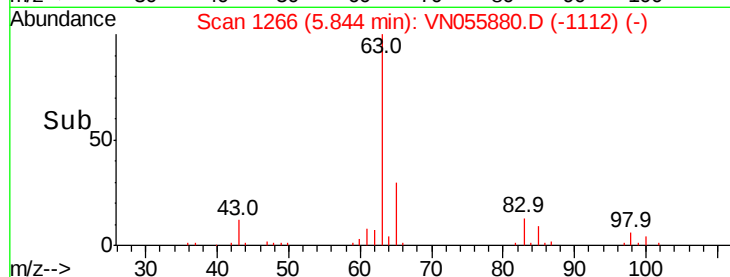
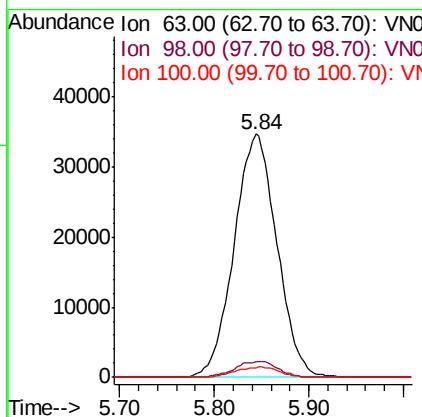
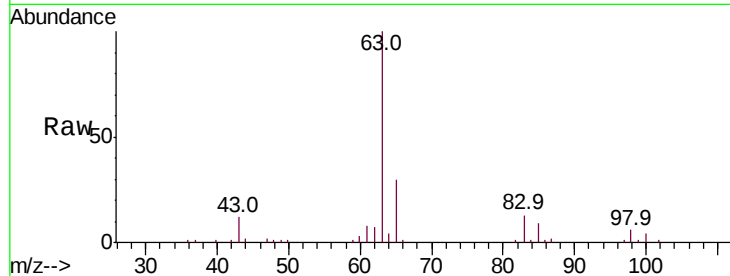
#21
 1,1-Dichloroethane
 Concen: 19.663 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VN055880.D
 Acq: 29 May 2019 16:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0529WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
63	100			
98	6.3	3.4	10.2	
100	4.1	2.2	6.6	

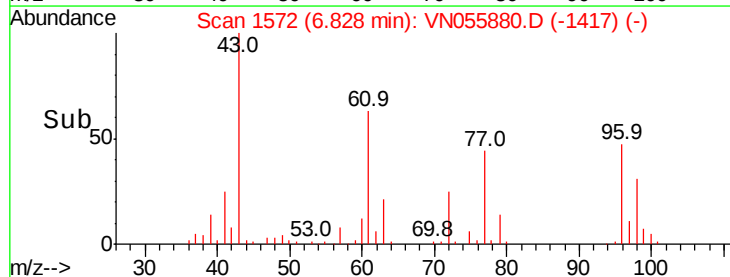
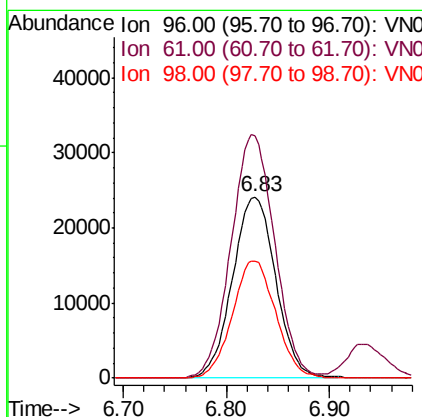
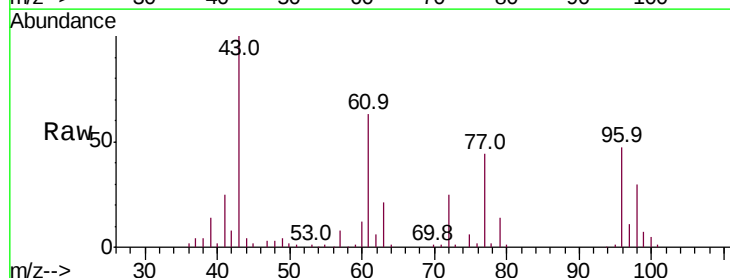
Manual Integrations
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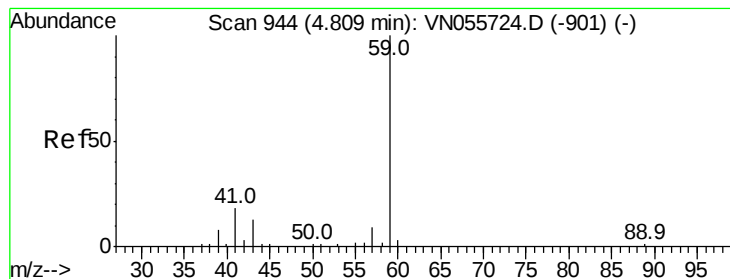
MMDadoda
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#22
 cis-1,2-Dichloroethene
 Concen: 20.019 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VN055880.D
 Acq: 29 May 2019 16:13

Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	135.6	115.7	173.5	
98	64.7	51.5	77.3	





#23

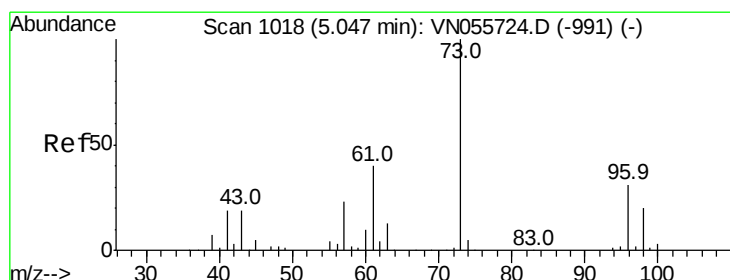
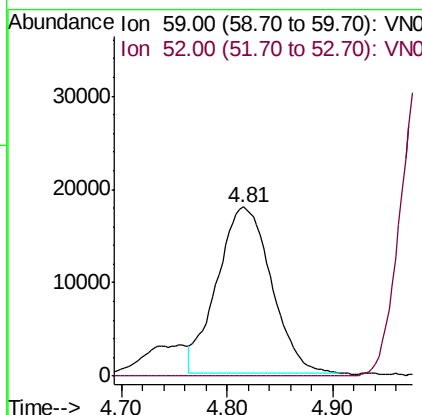
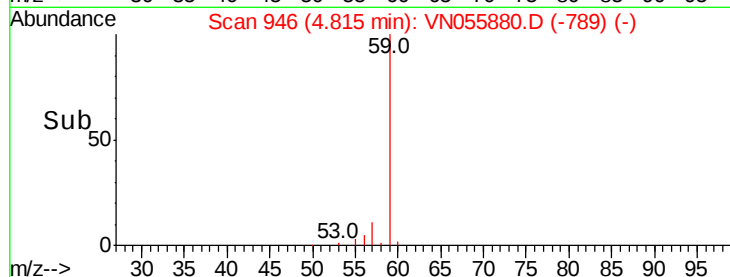
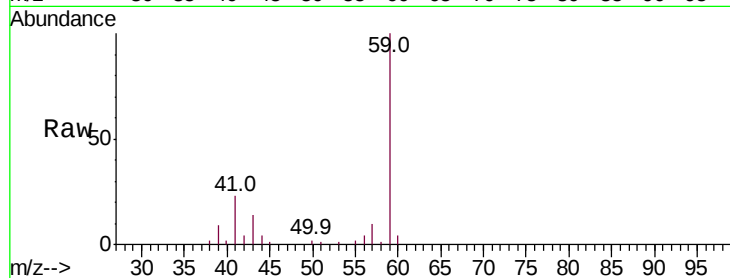
tert-Butyl Alcohol
 Concen: 92.112 ug/l
 RT: 4.81 min Scan# 946
 Delta R.T. 0.01 min
 Lab File: VN055880.D
 Acq: 29 May 2019 16:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0529WBSD01

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

Manual Integrations
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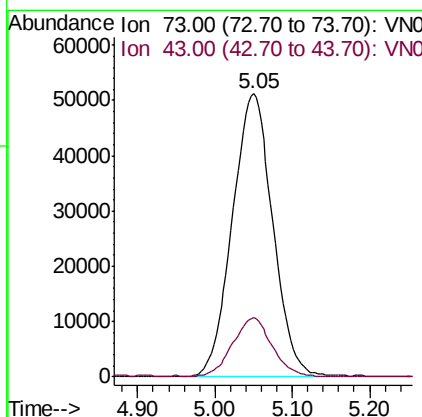
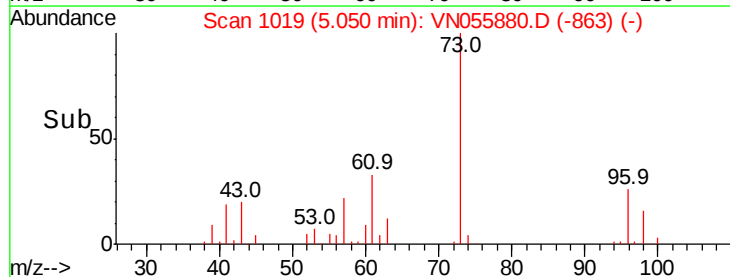
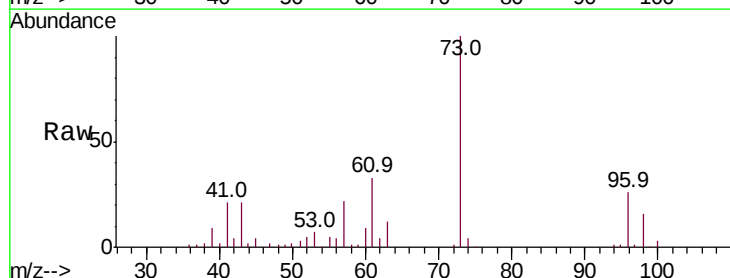
MMDadoda
 5/30/2019 9:35:18 AM

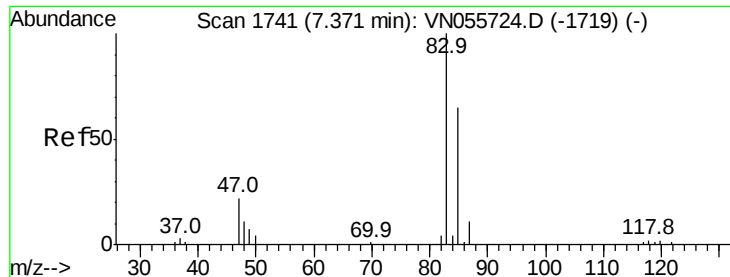


#24

Methyl tert-Butyl Ether
 Concen: 19.596 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VN055880.D
 Acq: 29 May 2019 16:13

Tgt Ion	73	Ratio	Lower	Upper
73	100			
43	20.4	15.7	23.5	





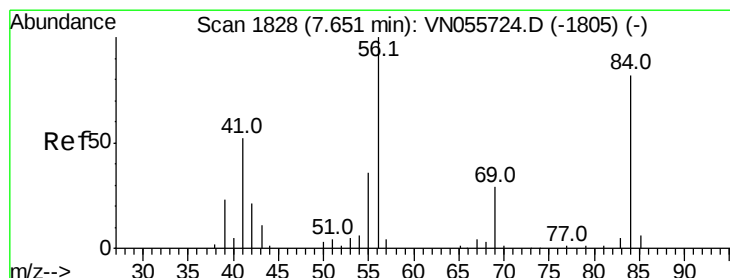
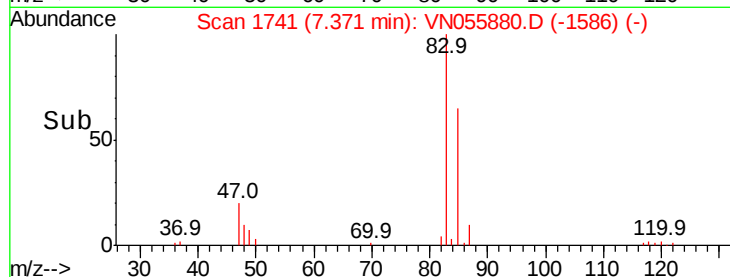
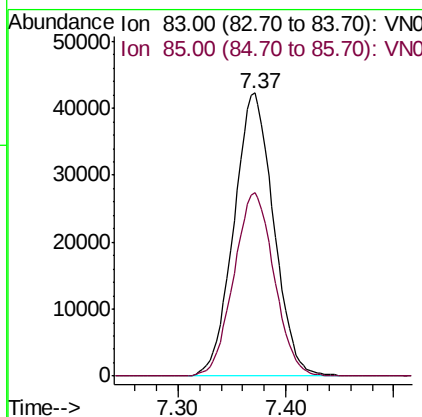
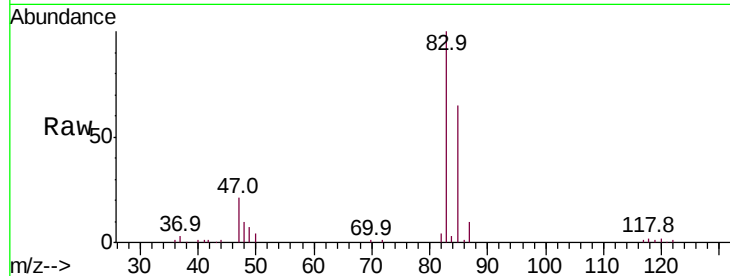
#25
Chloroform
Concen: 19.826 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN055880.D
Acq: 29 May 2019 16:13

Instrument :
MSVOA_N
ClientSampleId :
VN0529WBSD01

Tot Ion	83	Resp	108384
Ion Ratio	100	Lower	Upper
85	64.7	51.7	77.5

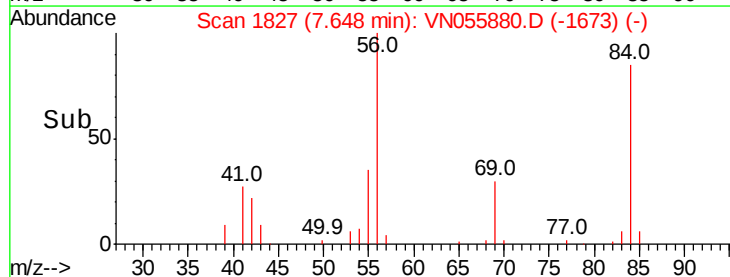
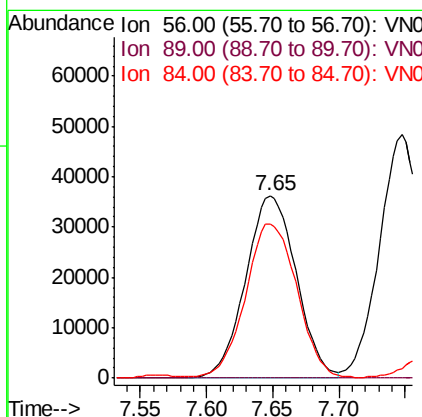
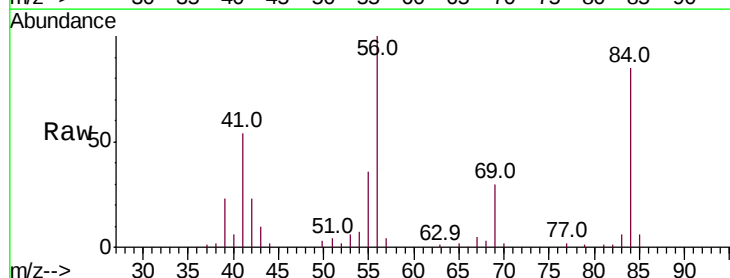
Manual Integrations
APPROVED

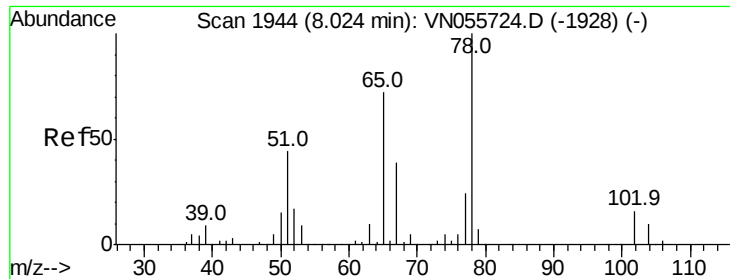
MMDadoda
5/30/2019 9:35:18 AM



#26
Cyclohexane
Concen: 18.876 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. -0.00 min
Lab File: VN055880.D
Acq: 29 May 2019 16:13

Tgt Ion	56	Resp	96385
Ion Ratio	100	Lower	Upper
89	0.0	0.0	0.0
84	86.3	67.2	100.8





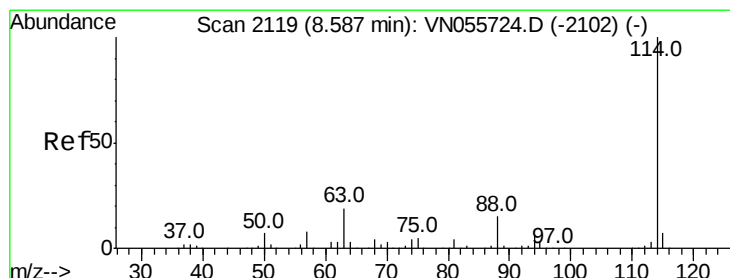
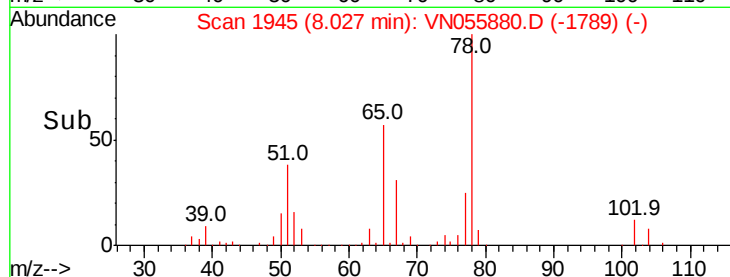
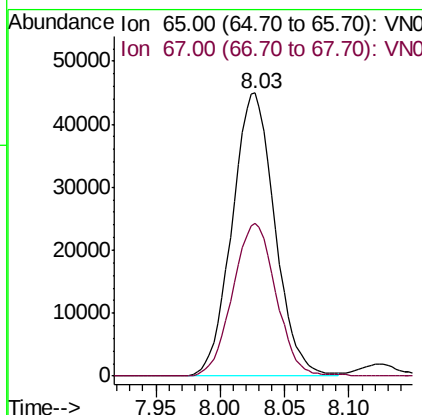
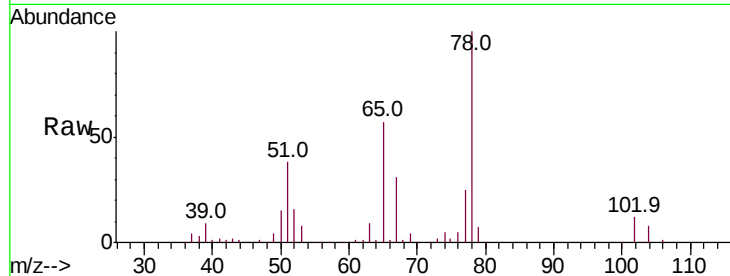
#27
 1,2-Dichloroethane-d4
 Concen: 29.867 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055880.D
 Acq: 29 May 2019 16:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0529WBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.6	43.5	65.3

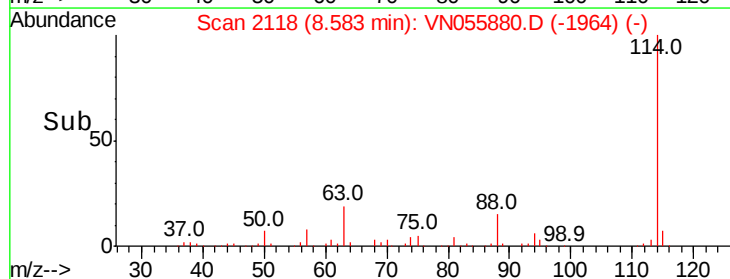
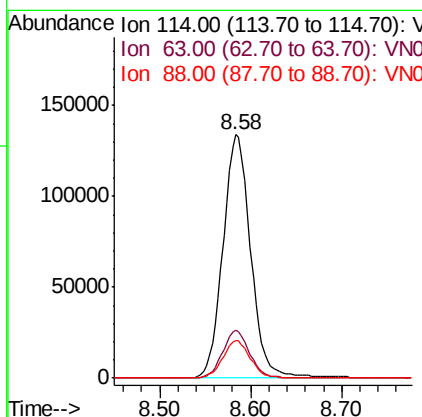
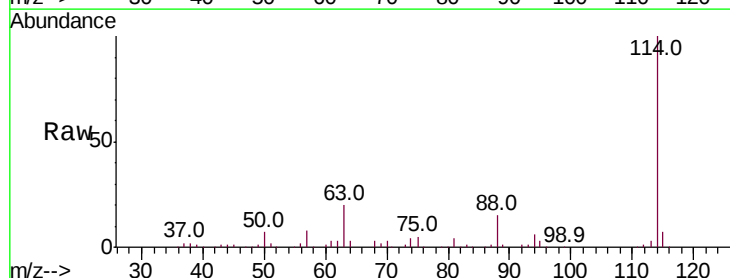
Manual Integrations
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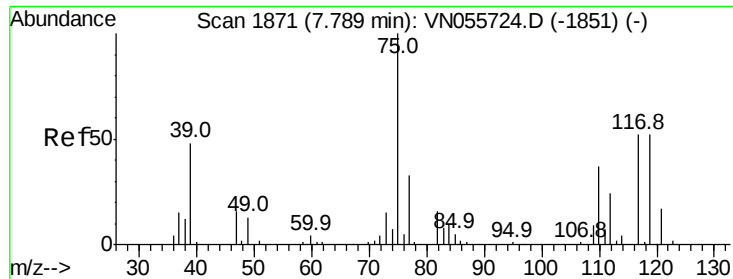
MMDadoda
 5/30/2019 9:35:18 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN055880.D
 Acq: 29 May 2019 16:13

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.2	15.6	23.4
88	15.1	12.3	18.5





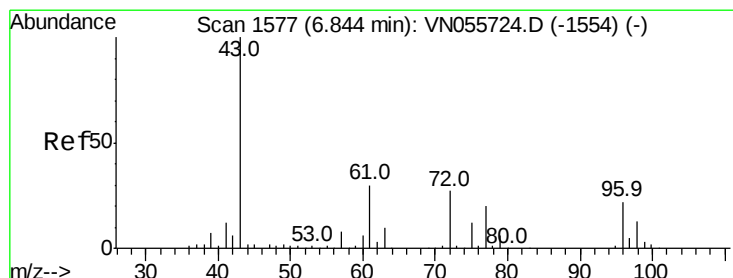
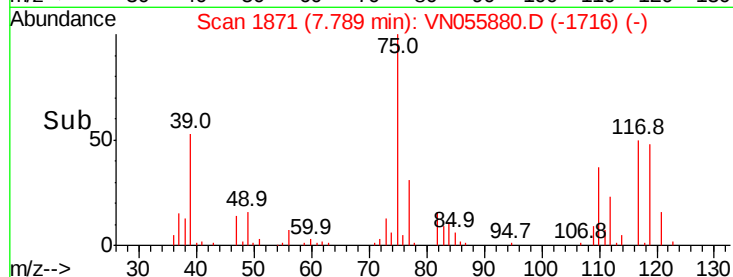
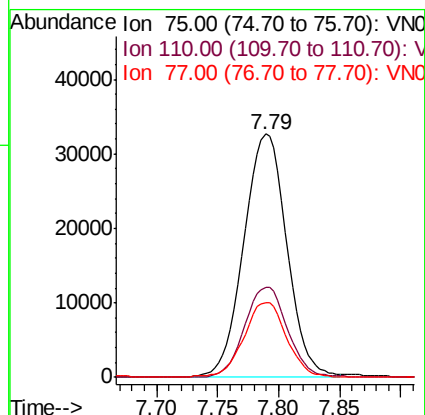
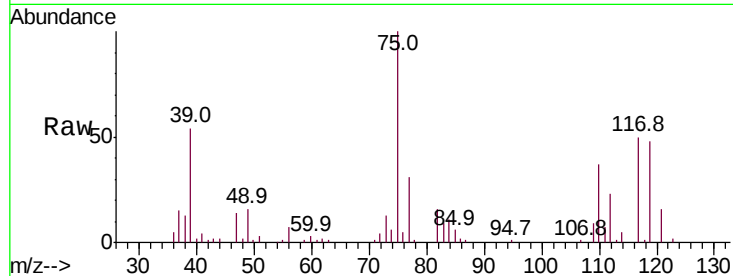
#29
 1,1-Dichloropropene
 Concen: 20.121 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN055880.D
 Acq: 29 May 2019 16:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0529WBSD01

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	36.9	0.0	74.8
77	30.6	0.0	65.2

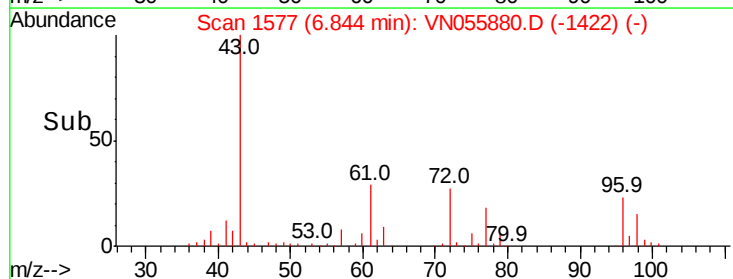
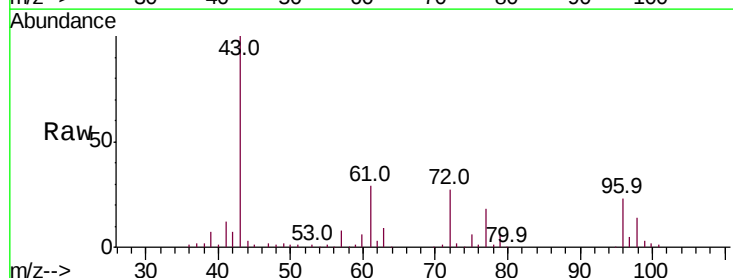
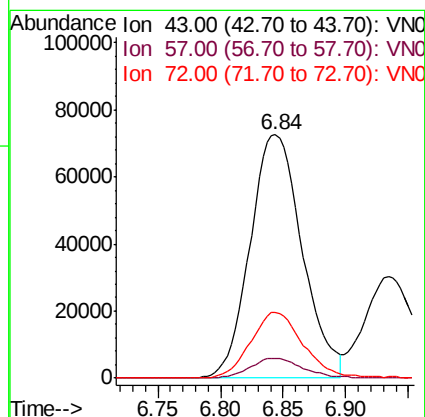
Manual Integrations
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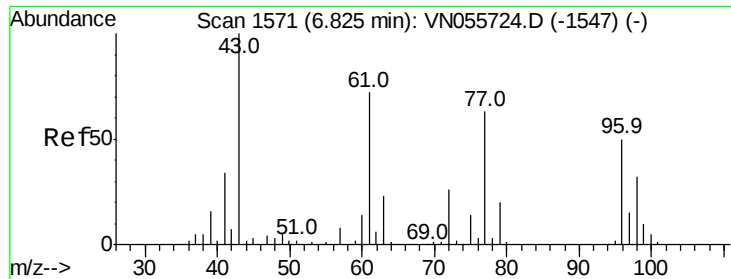
MMDadoda
 5/30/2019 9:35:18 AM



#30
 2-Butanone
 Concen: 98.529 ug/l
 RT: 6.84 min Scan# 1577
 Delta R.T. -0.00 min
 Lab File: VN055880.D
 Acq: 29 May 2019 16:13

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.2	6.6	10.0
72	27.5	21.7	32.5





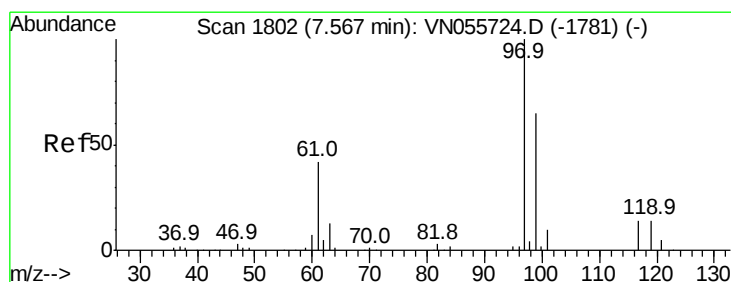
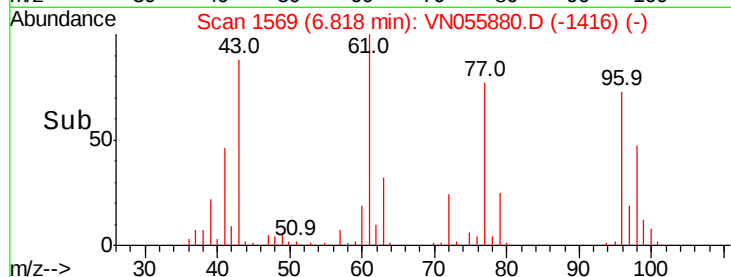
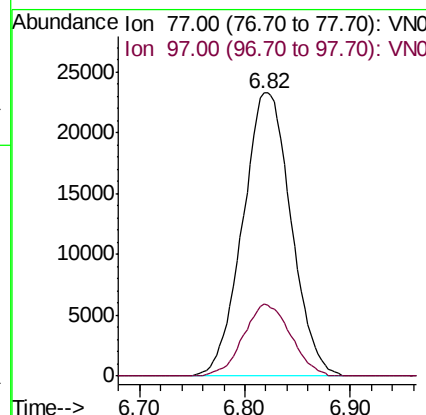
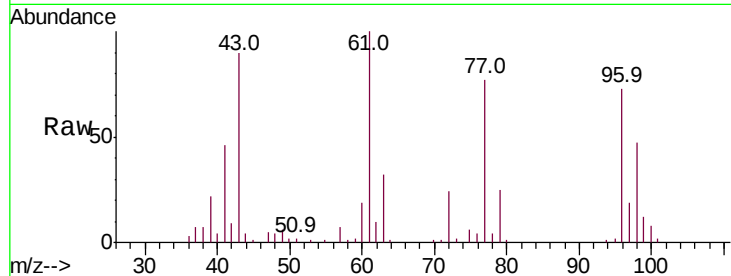
#31
 2,2-Dichloropropane
 Concen: 16.045 ug/l
 RT: 6.82 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: VN055880.D
 Acq: 29 May 2019 16:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0529WBSD01

Tot Ion: 77 Resp: 74219
 Ion Ratio Lower Upper
 77 100
 97 24.8 19.2 28.8

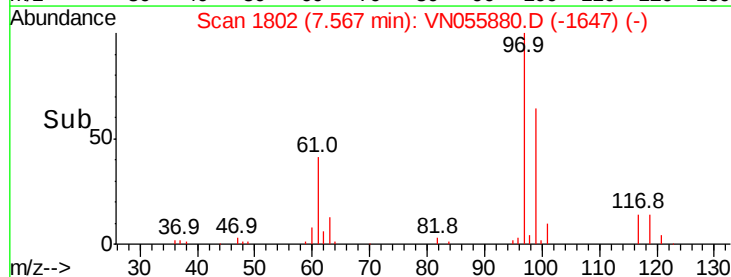
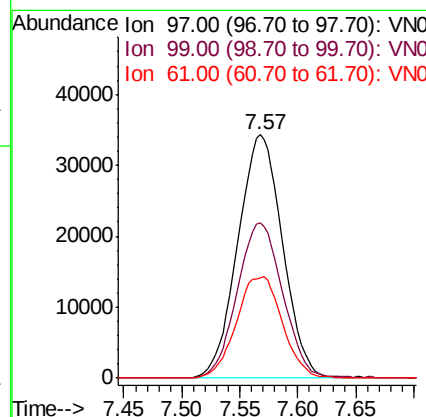
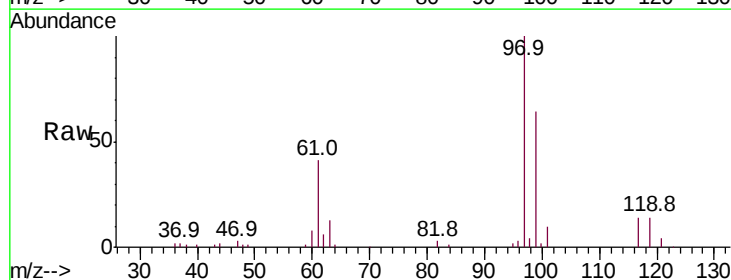
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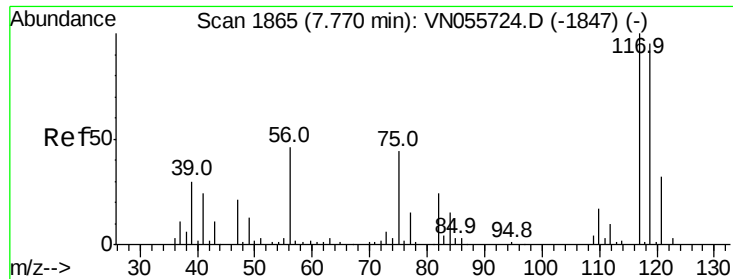
MMDadoda
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#32
 1,1,1-Trichloroethane
 Concen: 19.503 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN055880.D
 Acq: 29 May 2019 16:13

Tgt Ion: 97 Resp: 91890
 Ion Ratio Lower Upper
 97 100
 99 64.6 51.7 77.5
 61 42.8 33.1 49.7





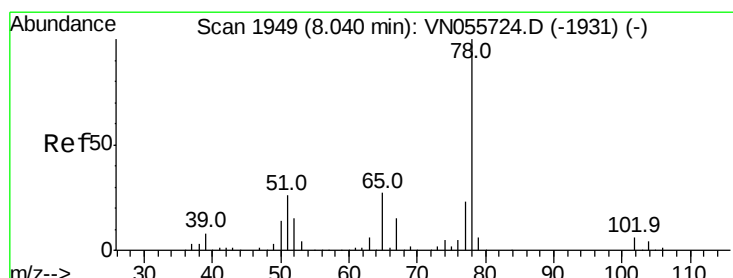
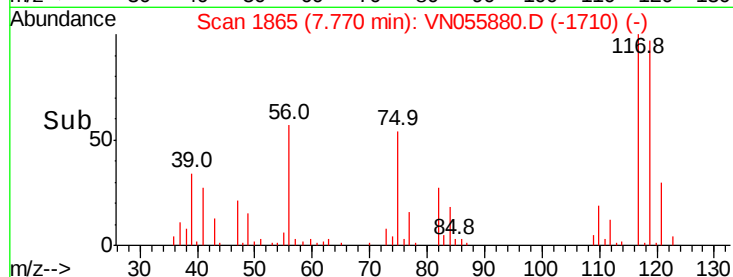
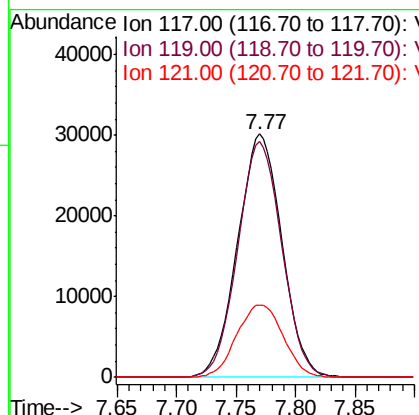
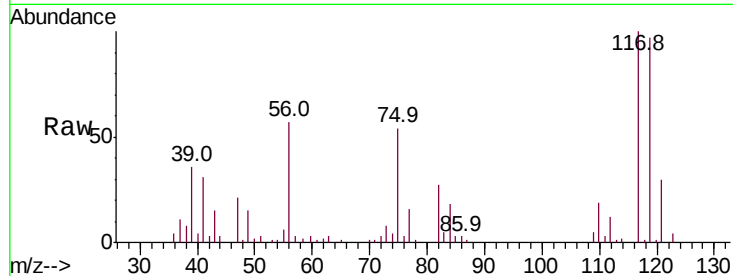
#33
Carbon Tetrachloride
Concen: 18.420 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN055880.D
Acq: 29 May 2019 16:13

Instrument :
MSVOA_N
ClientSampleId :
VN0529WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
119	96.7	75.8	113.8
121	29.7	25.4	38.0

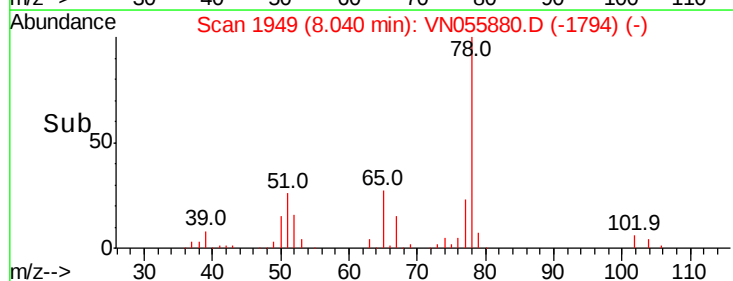
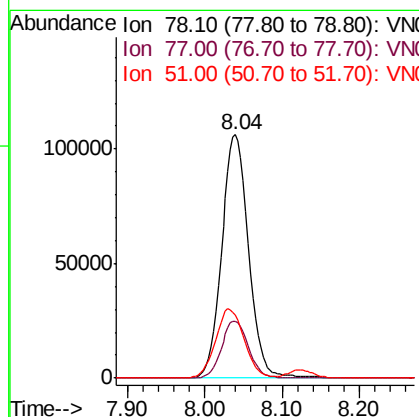
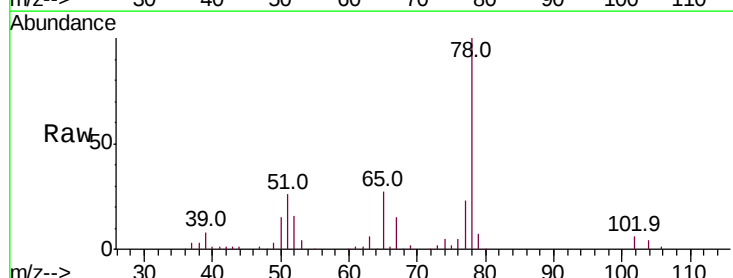
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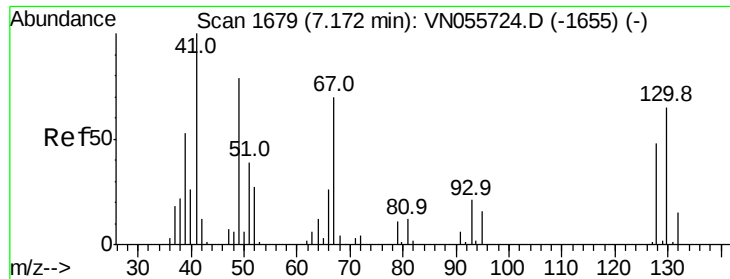
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#34
Benzene
Concen: 20.855 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN055880.D
Acq: 29 May 2019 16:13

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2
51	25.9	20.6	31.0





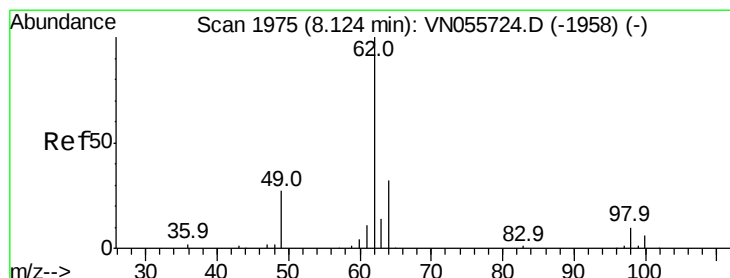
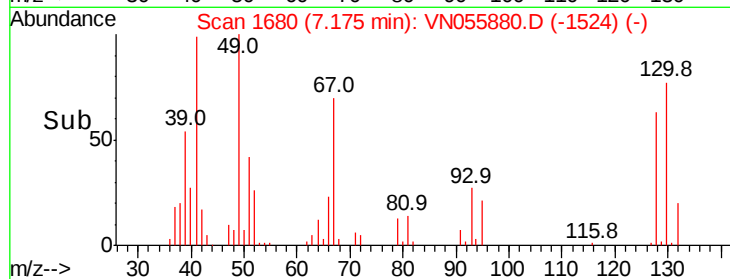
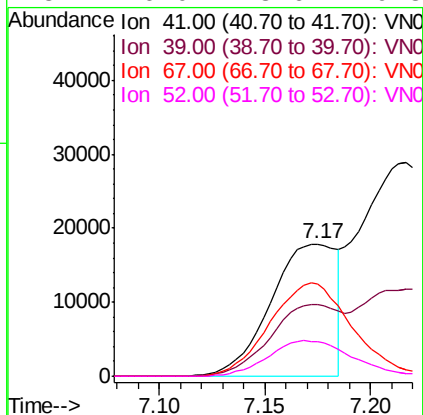
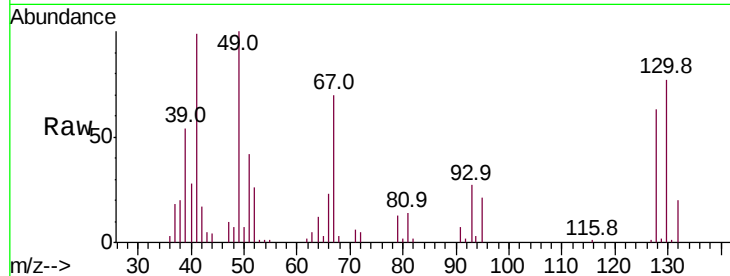
#35
Methacrylonitrile
Concen: 19.889 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN055880.D
Acq: 29 May 2019 16:13

Instrument :
MSVOA_N
ClientSampleId :
VN0529WBSD01

Tot Ion: 41 Resp: 38895
Ion Ratio Lower Upper
41 100
39 54.3 26.7 80.1
67 70.3 34.9 104.7
52 26.0 13.6 40.8

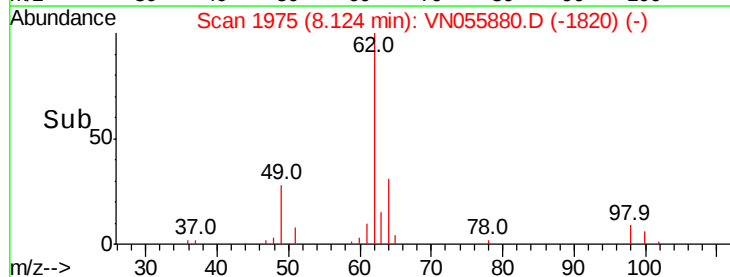
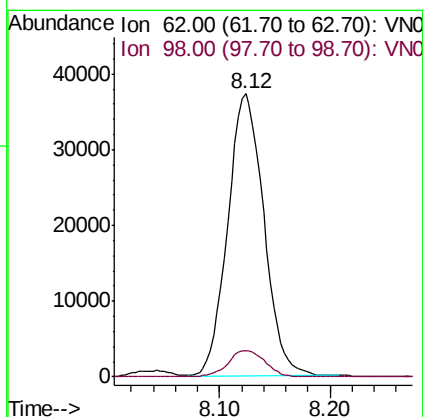
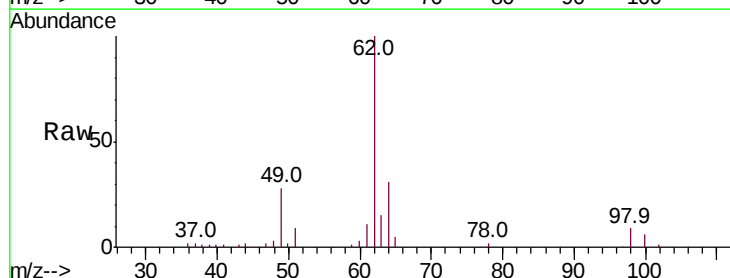
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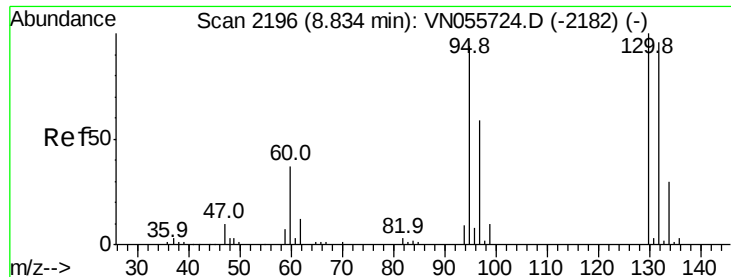
MMDadoda
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#36
1,2-Dichloroethane
Concen: 21.099 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN055880.D
Acq: 29 May 2019 16:13

Tgt Ion: 62 Resp: 84621
Ion Ratio Lower Upper
62 100
98 9.6 8.2 12.2





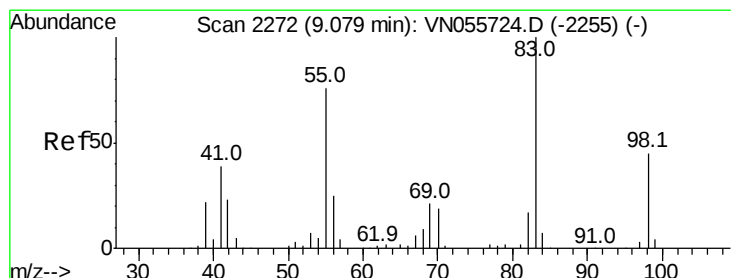
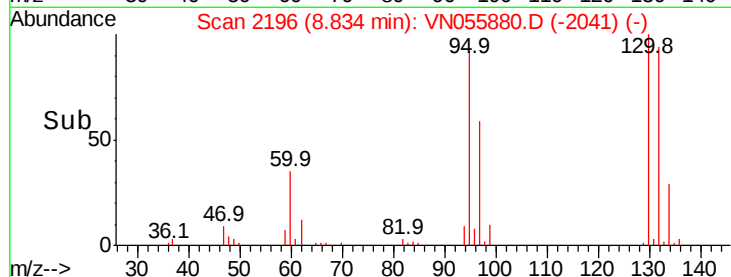
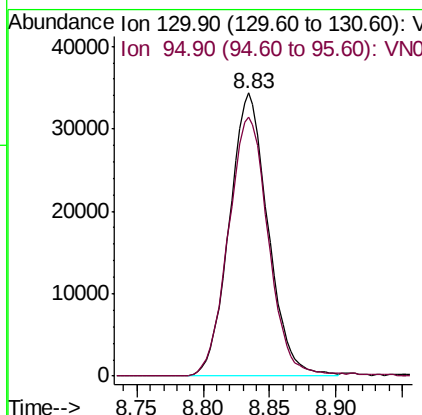
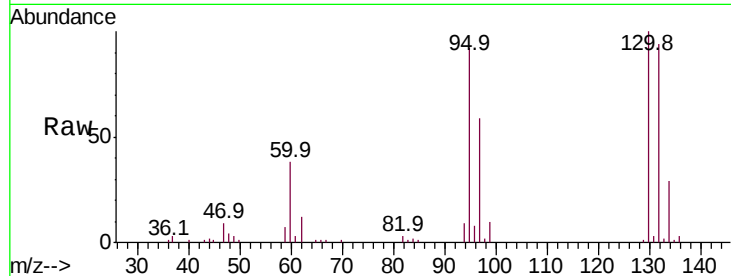
#37
 Trichloroethene
 Concen: 20.333 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN055880.D
 Acq: 29 May 2019 16:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0529WBSD01

Tot Ion:130 Resp: 69625
 Ion Ratio Lower Upper
 130 100
 95 91.7 75.6 113.4

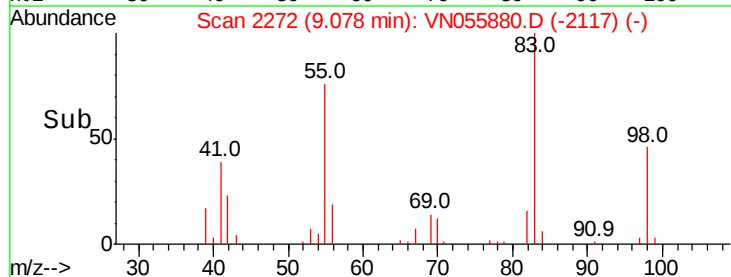
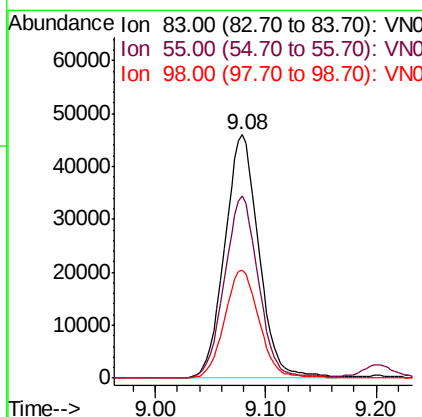
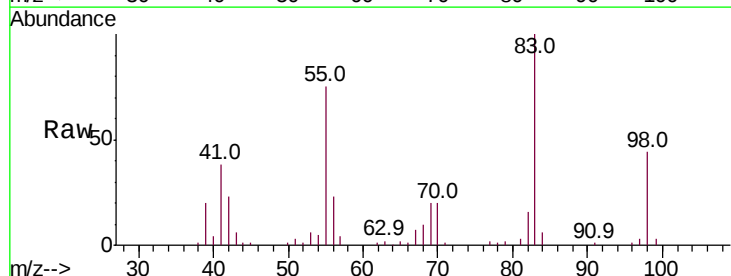
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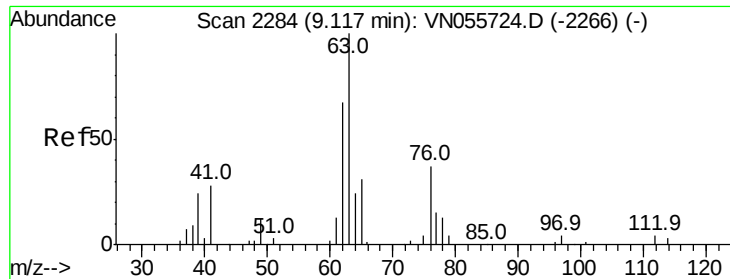
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#38
 Methylcyclohexane
 Concen: 19.634 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VN055880.D
 Acq: 29 May 2019 16:13

Tgt Ion: 83 Resp: 98882
 Ion Ratio Lower Upper
 83 100
 55 73.6 37.8 113.4
 98 44.4 22.6 67.8





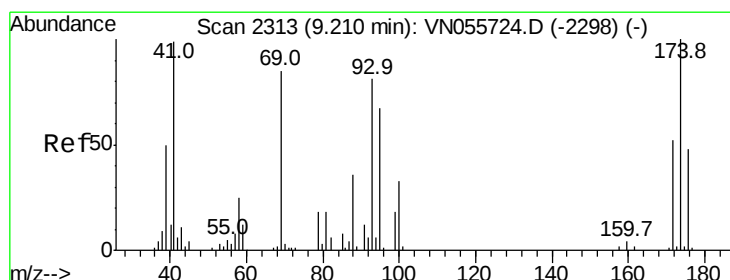
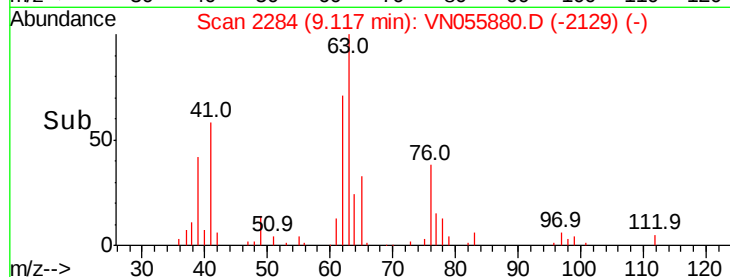
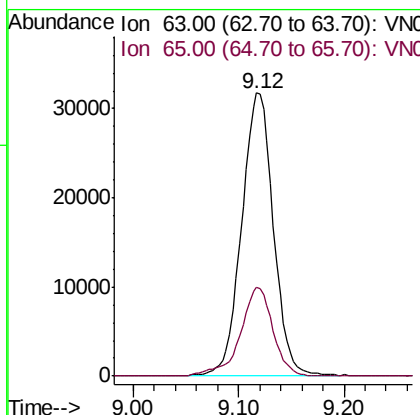
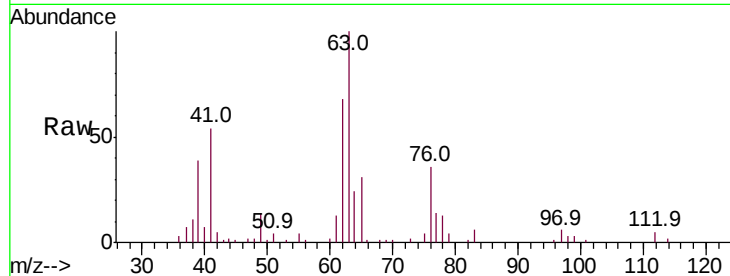
#39
 1,2-Dichloropropane
 Concen: 20.195 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN055880.D
 Acq: 29 May 2019 16:13

Instrument :
 MSVOA_N
 ClientSampled :
 VN0529WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.2	25.8	38.8

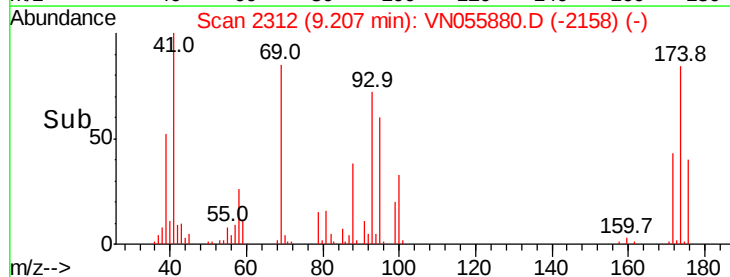
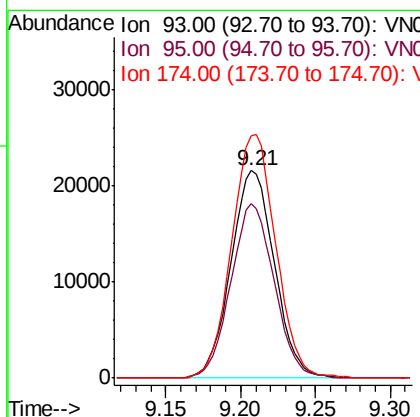
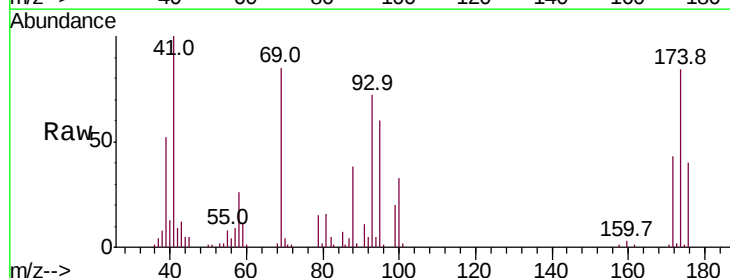
Manual Integrations
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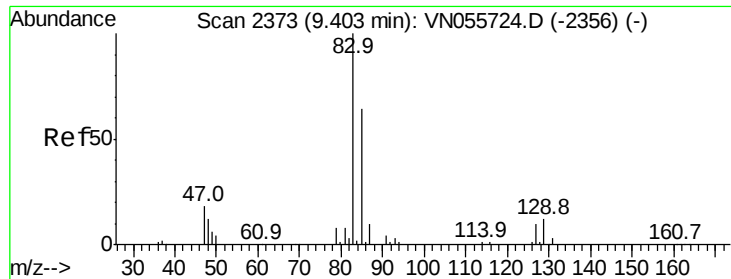
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#40
 Dibromomethane
 Concen: 20.509 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN055880.D
 Acq: 29 May 2019 16:13

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.5	0.0	170.6
174	118.6	0.0	248.4





#41

Bromodichloromethane

Concen: 18.989 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN055880.D

Acq: 29 May 2019 16:13

Instrument :

MSVOA_N

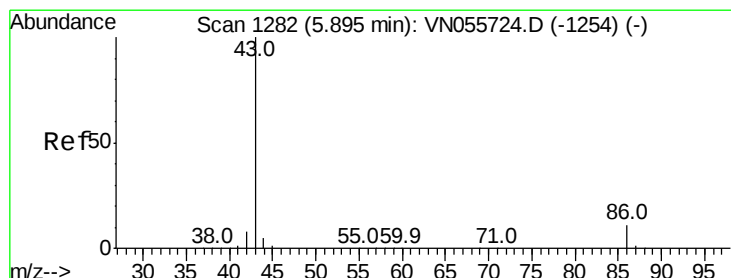
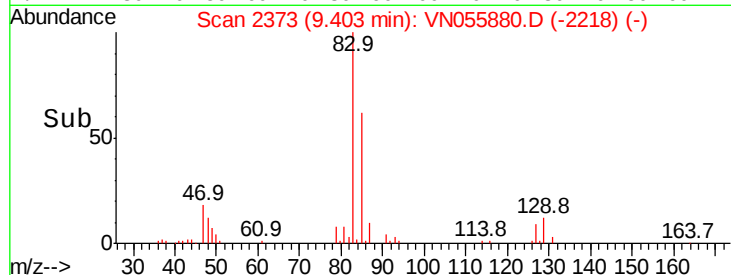
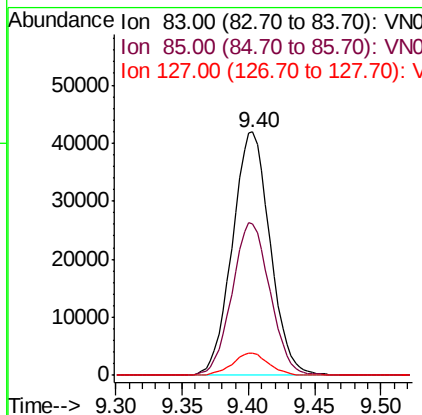
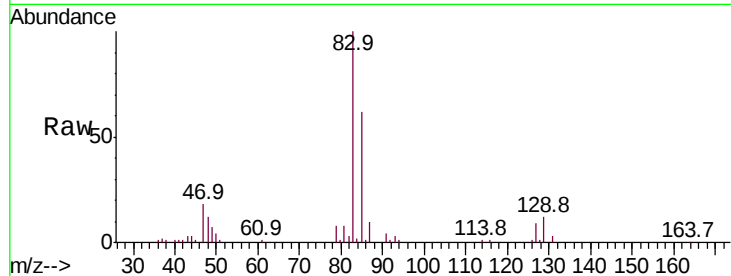
ClientSampleId :

VN0529WBSD01

Tot Ion:	83	Resp:	82913
Ion	Ratio	Lower	Upper
83	100		
85	62.4	51.4	77.0
127	9.1	7.7	11.5

Manual Integrations
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5/30/2019 9:35:18 AM



#42

Vinyl Acetate

Concen: 97.439 ug/l

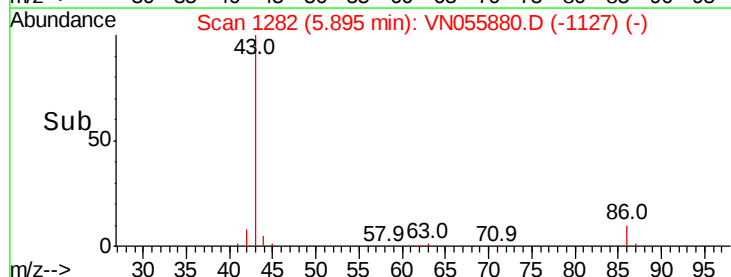
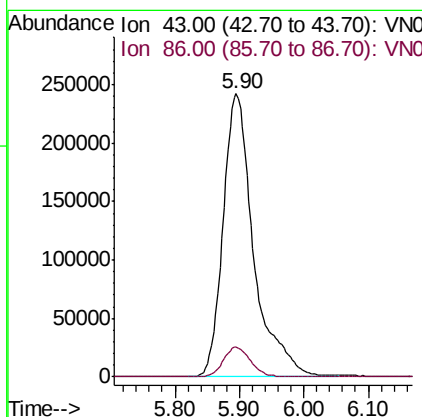
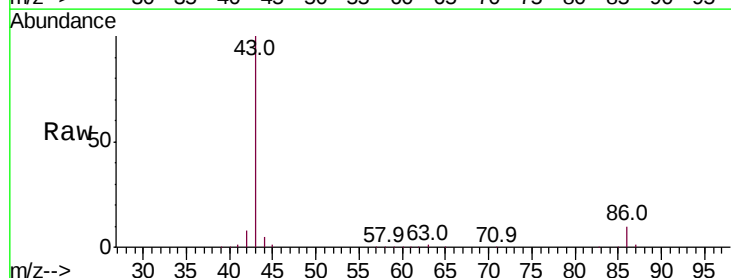
RT: 5.90 min Scan# 1282

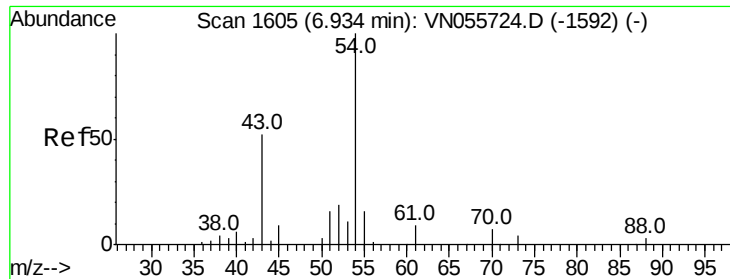
Delta R.T. -0.00 min

Lab File: VN055880.D

Acq: 29 May 2019 16:13

Tgt Ion:	43	Resp:	801555
Ion	Ratio	Lower	Upper
43	100		
86	9.4	7.4	11.2





#43

Ethyl Acetate

Concen: 18.008 ug/l

RT: 6.93 min Scan# 1605

Delta R.T. -0.00 min

Lab File: VN055880.D

Acq: 29 May 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

VN0529WBSD01

Tot Ion: 43 Resp: 74997

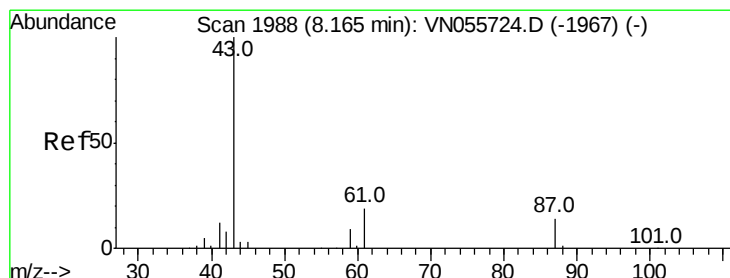
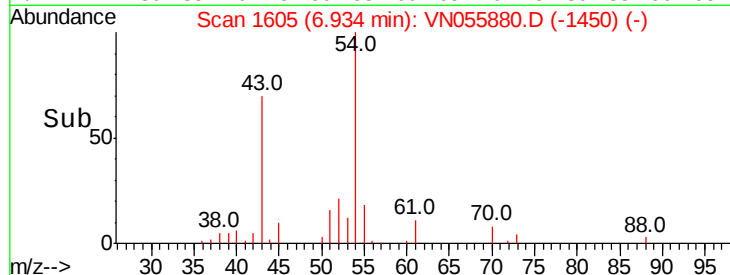
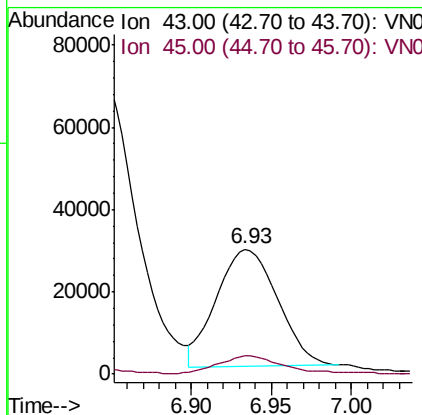
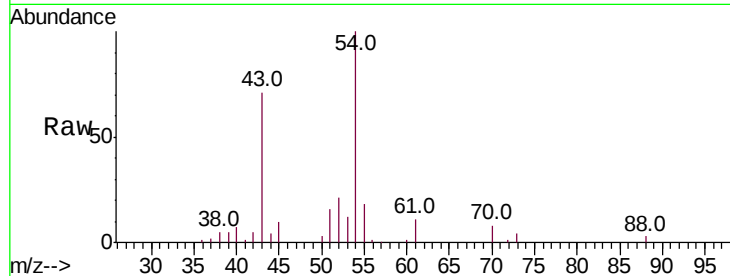
Ion Ratio Lower Upper

43 100

45 14.4 0.0 0.0#

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#44

Isopropyl Acetate

Concen: 19.355 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN055880.D

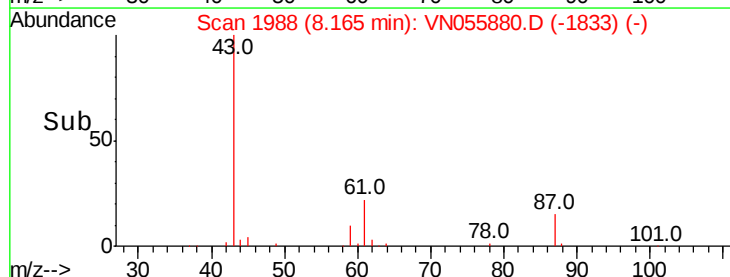
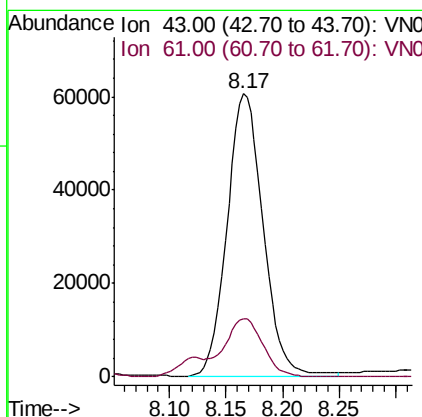
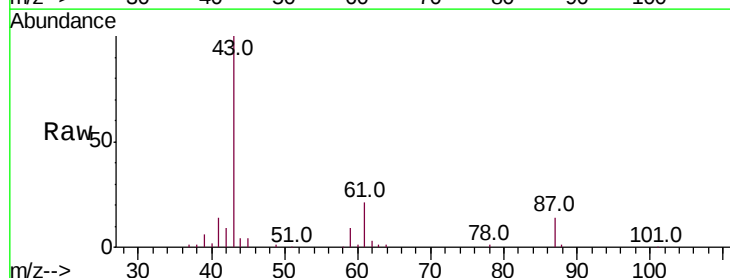
Acq: 29 May 2019 16:13

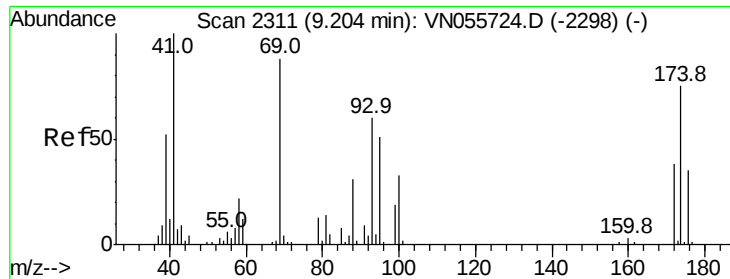
Tgt Ion: 43 Resp: 133480

Ion Ratio Lower Upper

43 100

61 20.4 22.1 33.1#





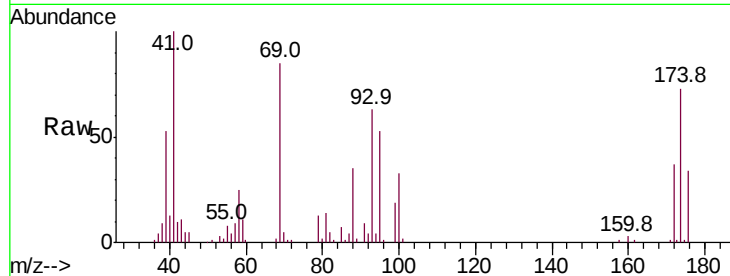
#45
1,4-Dioxane
Concen: 426.760 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN055880.D
Acq: 29 May 2019 16:13

Instrument :
MSVOA_N
ClientSampleId :
VN0529WBSD01

Tot Ion	88	Resp	27688
Ion	Ratio	Lower	Upper
88	100		
43	26.3	20.5	30.7
58	70.8	56.1	84.1

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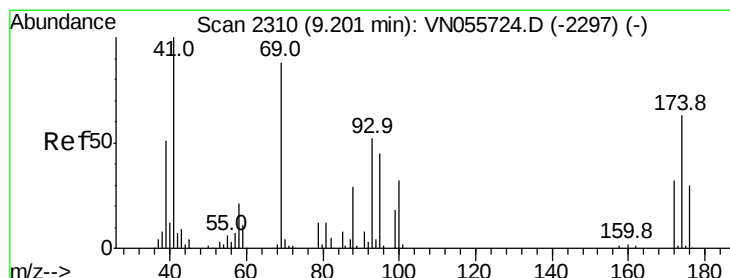
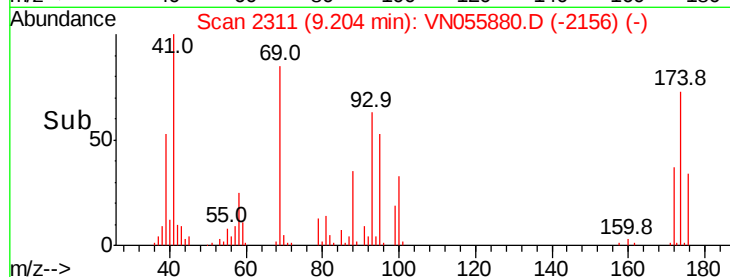
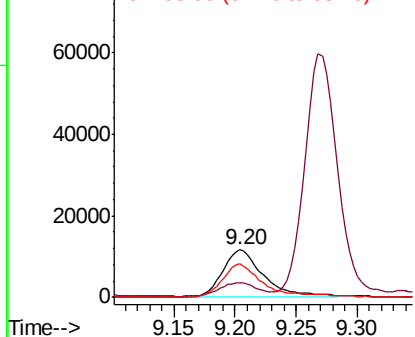


Abundance

Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#46
Methyl methacrylate
Concen: 20.519 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN055880.D
Acq: 29 May 2019 16:13

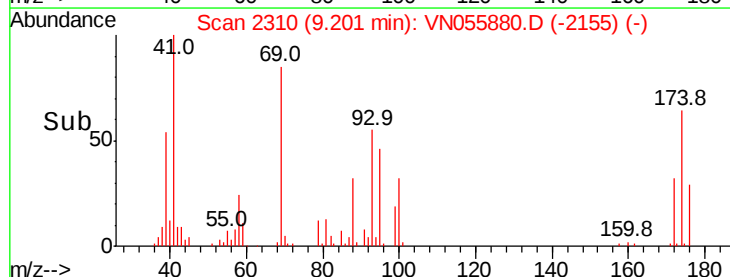
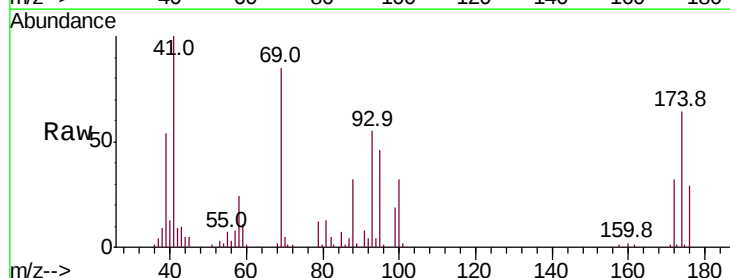
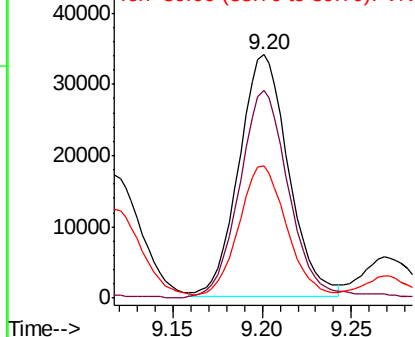
Tgt Ion	41	Resp	66022
Ion	Ratio	Lower	Upper
41	100		
69	86.6	43.8	131.4
39	53.9	25.6	76.6

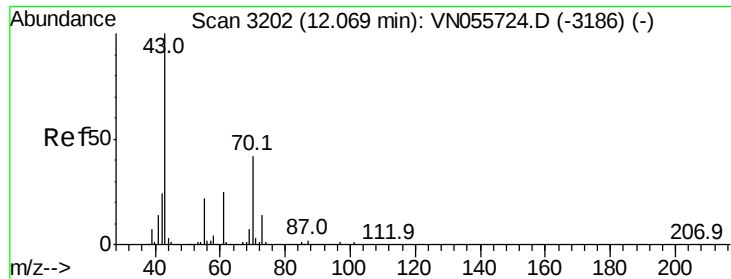
Abundance

Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





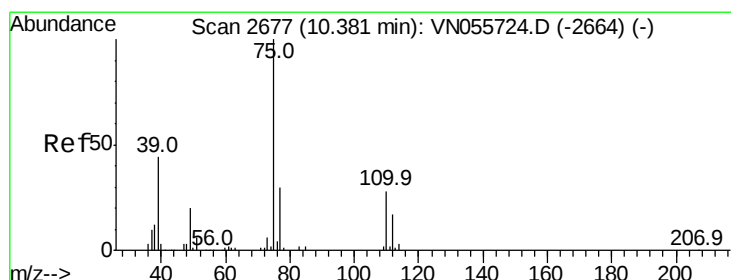
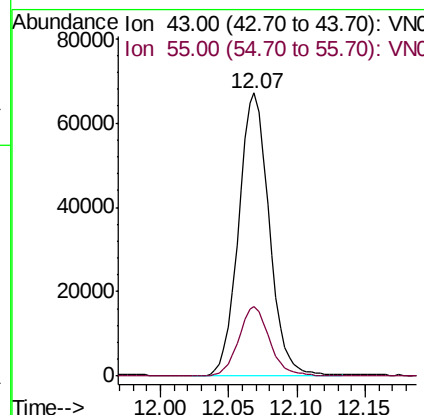
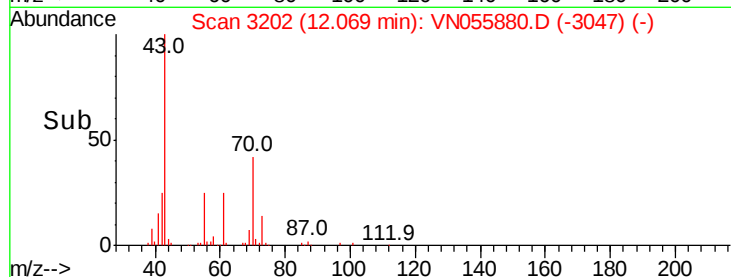
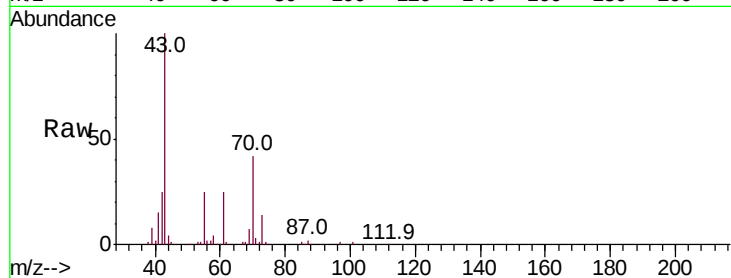
#47
n-amvl Acetate
Concen: 18.382 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN055880.D
Acq: 29 May 2019 16:13

Instrument :
MSVOA_N
ClientSampleId :
VN0529WBSD01

Tot Ion: 43 Resp: 104853
Ion Ratio Lower Upper
43 100
55 24.7 17.8 26.6

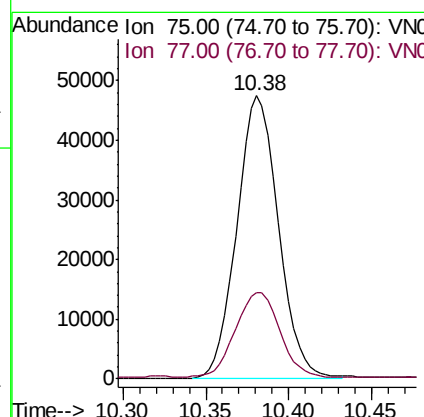
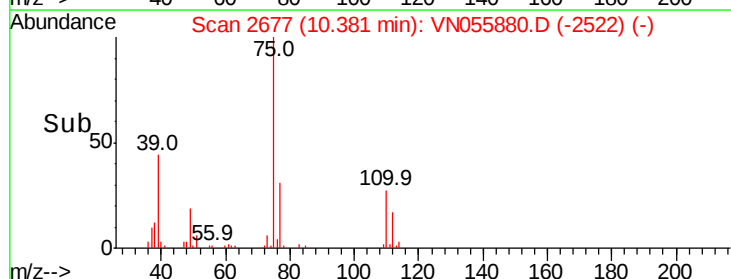
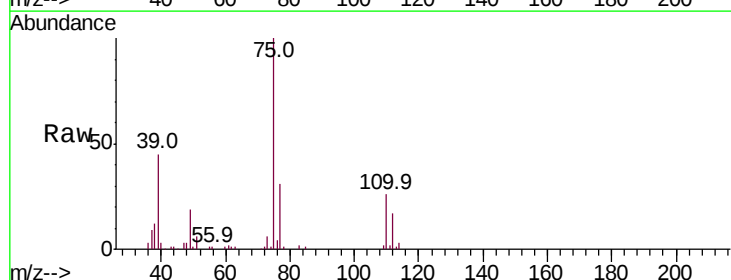
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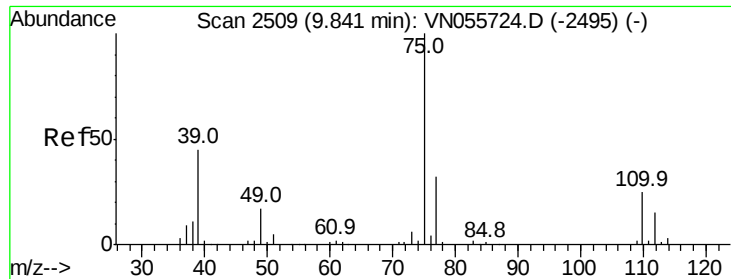
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#48
t-1,3-Dichloropropene
Concen: 17.212 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN055880.D
Acq: 29 May 2019 16:13

Tgt Ion: 75 Resp: 82959
Ion Ratio Lower Upper
75 100
77 29.8 25.2 37.8





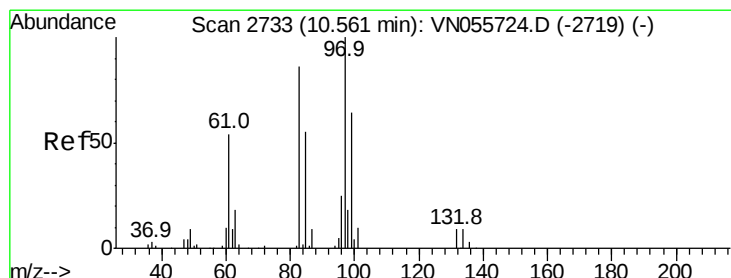
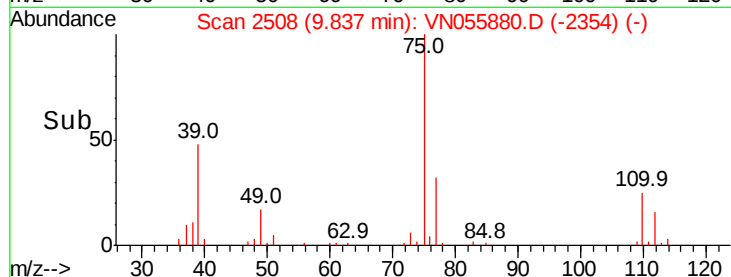
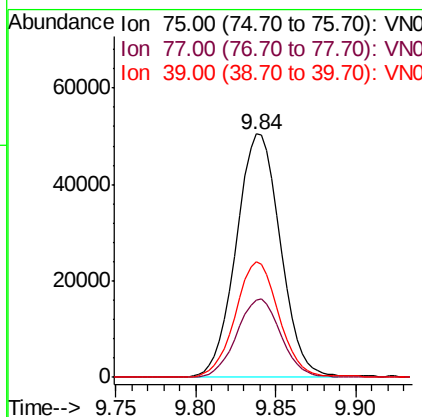
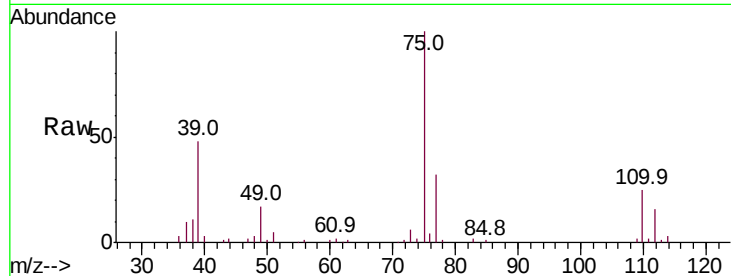
#49
 cis-1,3-Dichloropropene
 Concen: 18.102 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. -0.00 min
 Lab File: VN055880.D
 Acq: 29 May 2019 16:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0529WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	26.0	39.0
39	47.6	36.2	54.4

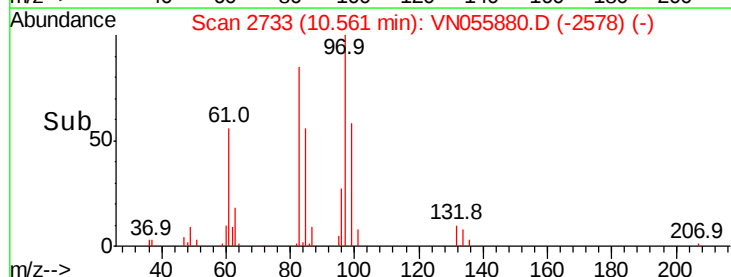
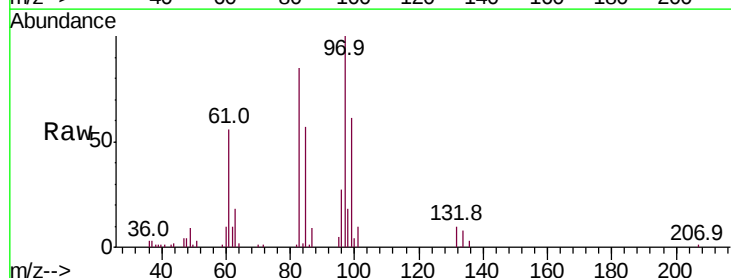
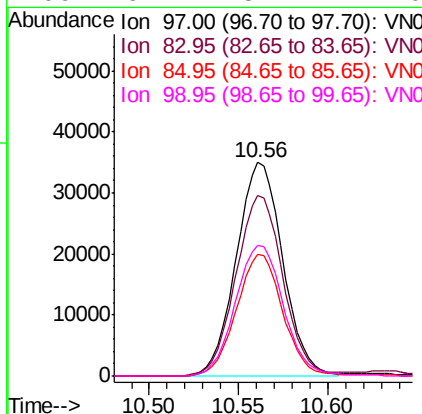
Manual Integrations
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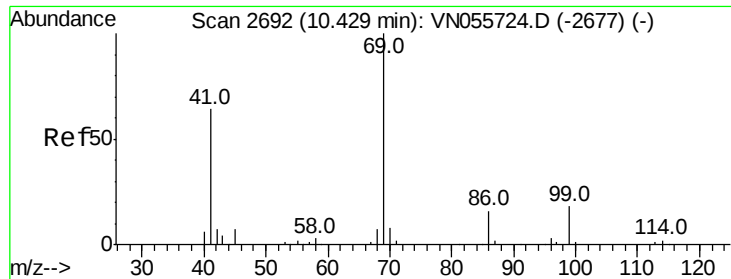
MMDadoda
 5/30/2019 9:35:18 AM



#50
 1,1,2-Trichloroethane
 Concen: 20.506 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN055880.D
 Acq: 29 May 2019 16:13

Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.2	68.9	103.3
85	56.8	44.3	66.5
99	61.2	51.4	77.0





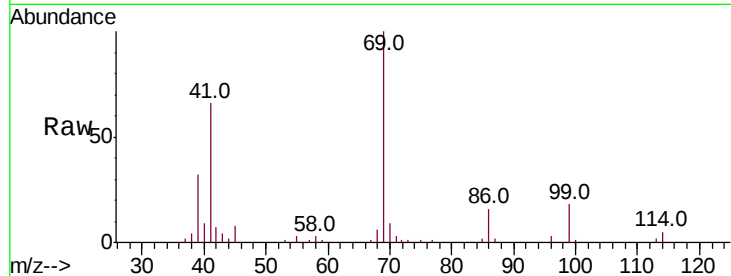
#51
Ethyl methacrylate
Concen: 19.329 ug/l
RT: 10.43 min Scan# 2692
Delta R.T. -0.00 min
Lab File: VN055880.D
Acq: 29 May 2019 16:13

Instrument :
MSVOA_N
ClientSampleId :
VN0529WBSD01

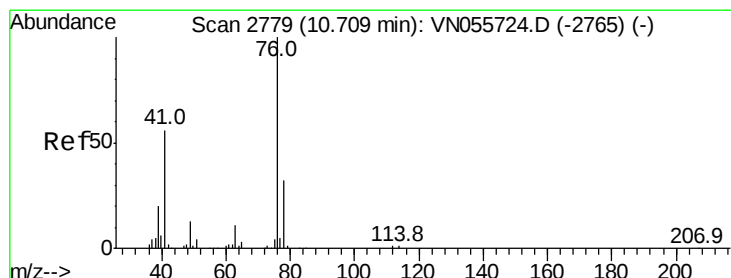
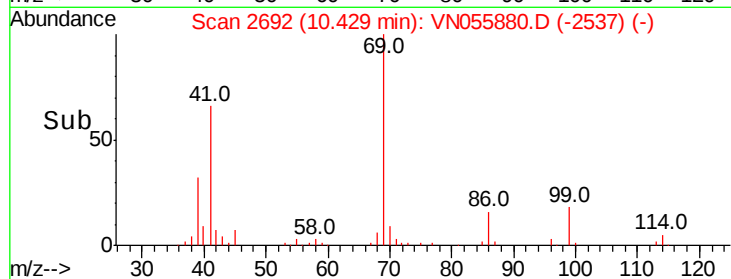
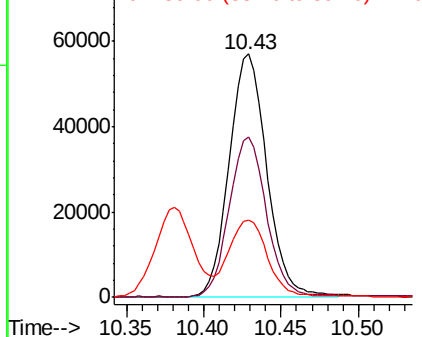
Tot Ion	Ratio	Resp	Lower	Upper
69	100			
41	65.5		31.9	95.7
39	31.3		15.7	47.0

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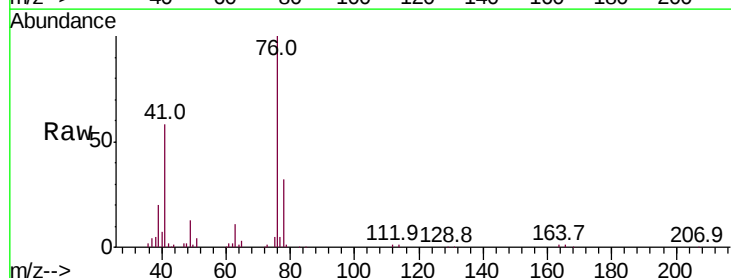


Abundance Ion 69.00 (68.70 to 69.70): VN055880.D (-2624) (-)
Ion 41.00 (40.70 to 41.70): VN055880.D (-2624) (-)
Ion 39.00 (38.70 to 39.70): VN055880.D (-2624) (-)

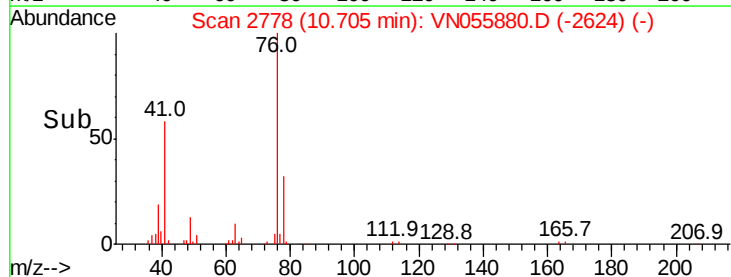
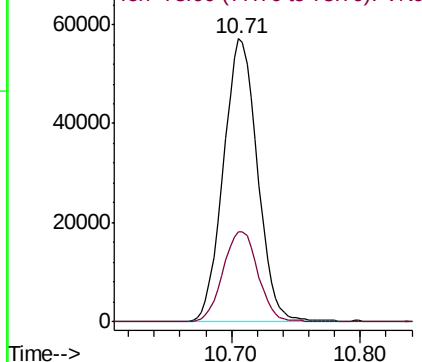


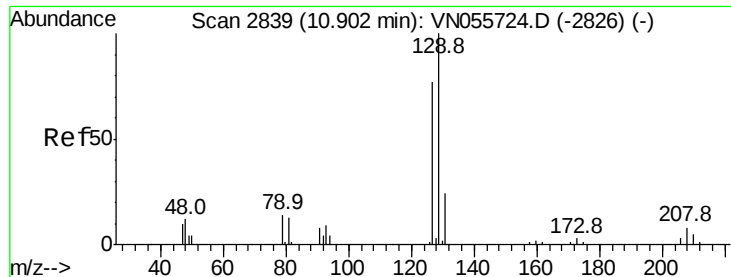
#52
1,3-Dichloropropane
Concen: 20.499 ug/l
RT: 10.71 min Scan# 2778
Delta R.T. -0.00 min
Lab File: VN055880.D
Acq: 29 May 2019 16:13

Tgt Ion	Ratio	Resp	Lower	Upper
76	100			
78	32.8		0.0	65.0



Abundance Ion 76.00 (75.70 to 76.70): VN055880.D (-2624) (-)
Ion 78.00 (77.70 to 78.70): VN055880.D (-2624) (-)





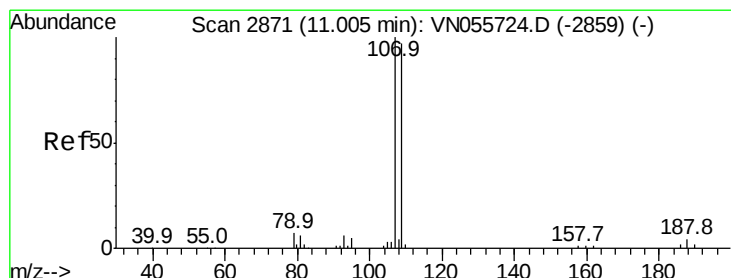
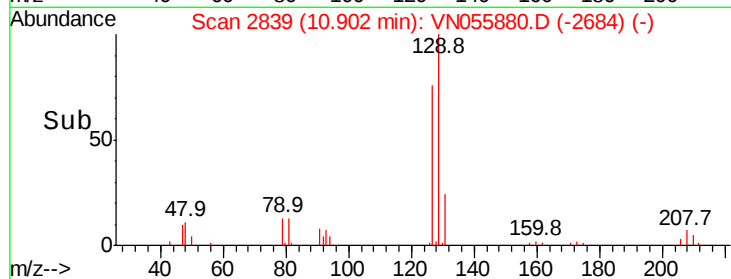
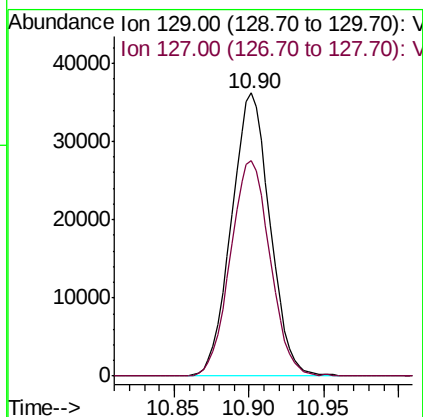
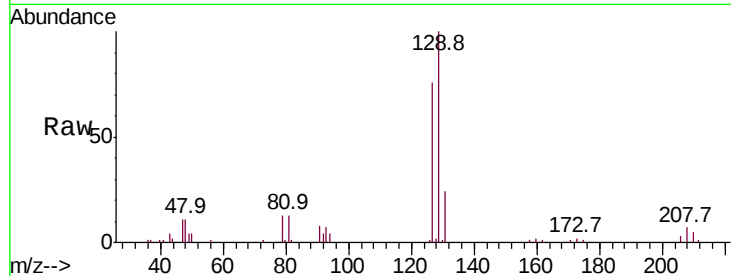
#53
Dibromochloromethane
Concen: 17.699 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN055880.D
Acq: 29 May 2019 16:13

Instrument :
MSVOA_N
ClientSampleId :
VN0529WBSD01

Tot Ion:129 Resp: 64847
Ion Ratio Lower Upper
129 100
127 78.2 39.2 117.6

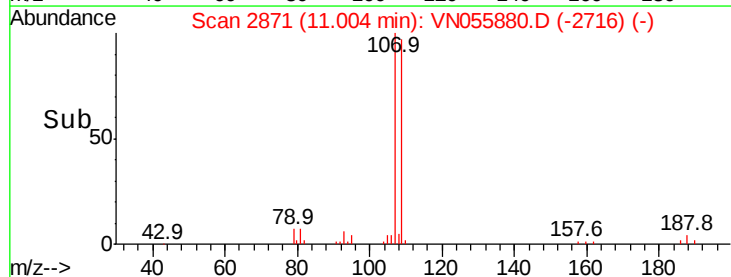
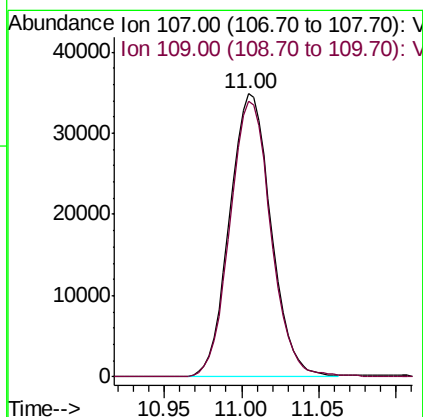
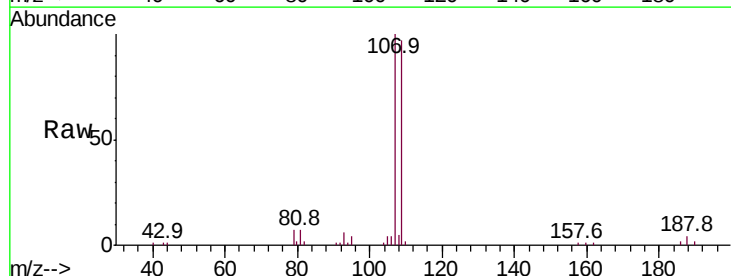
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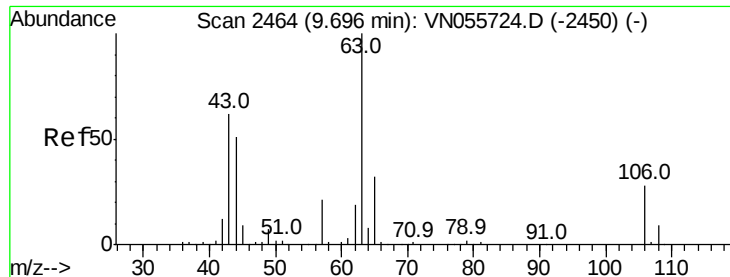
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#54
1,2-Dibromoethane
Concen: 20.200 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. -0.00 min
Lab File: VN055880.D
Acq: 29 May 2019 16:13

Tgt Ion:107 Resp: 64830
Ion Ratio Lower Upper
107 100
109 96.6 76.6 115.0





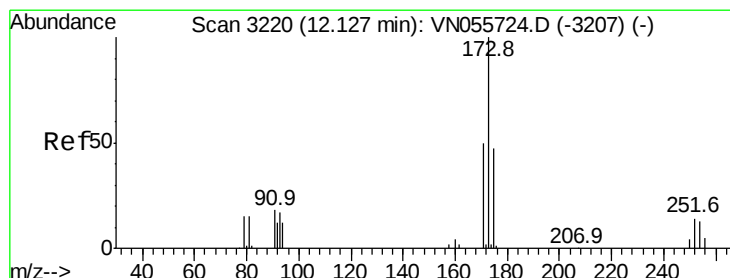
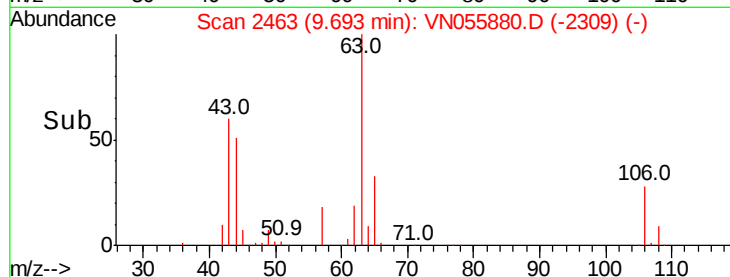
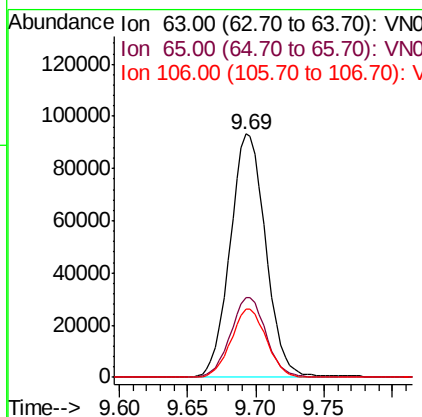
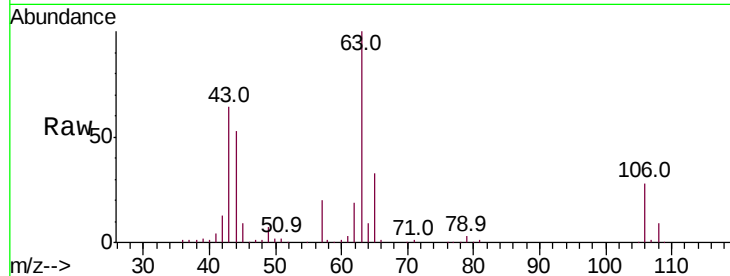
#55
2-Chloroethyl vinyl ether
Concen: 86.825 ug/l
RT: 9.69 min Scan# 2463
Delta R.T. -0.00 min
Lab File: VN055880.D
Acq: 29 May 2019 16:13

Instrument :
MSVOA_N
ClientSampleId :
VN0529WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.8	25.4	38.0
106	27.8	22.1	33.1

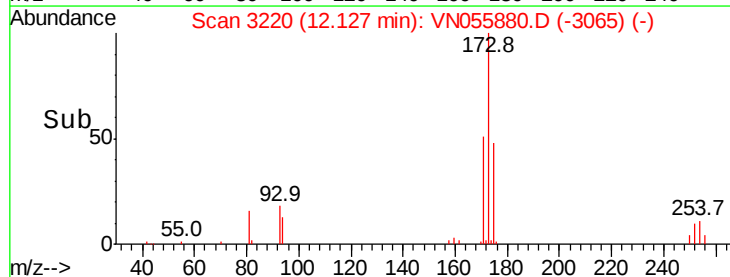
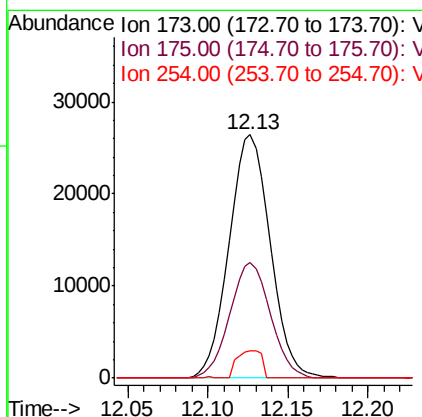
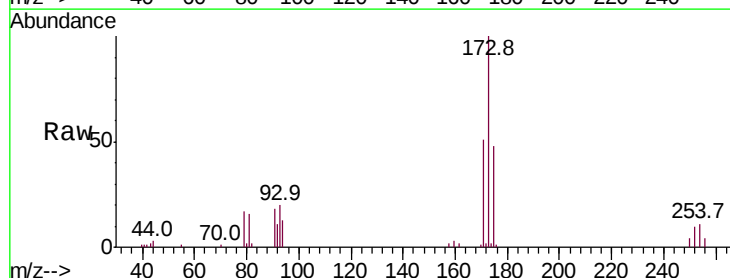
Manual Integrations
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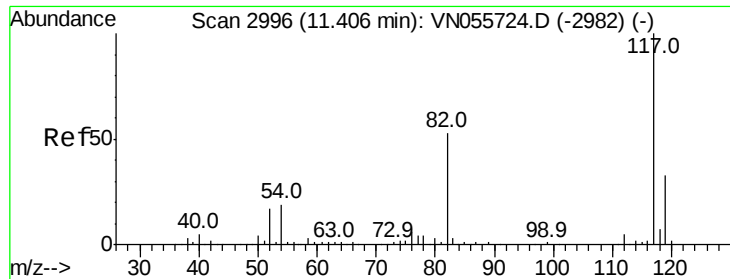
MMDadoda
5/30/2019 9:35:18 AM



#56
Bromoform
Concen: 15.427 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN055880.D
Acq: 29 May 2019 16:13

Tgt Ion	Ratio	Lower	Upper
173	100		
175	46.8	38.5	57.7
254	6.6	9.4	14.0





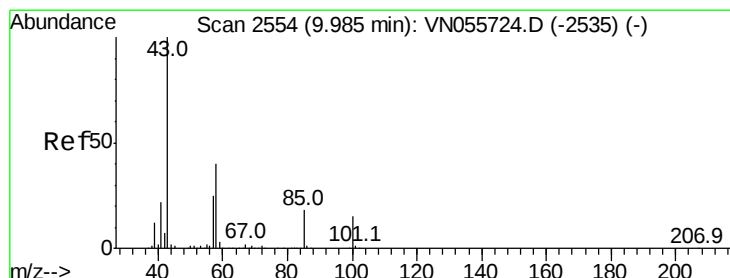
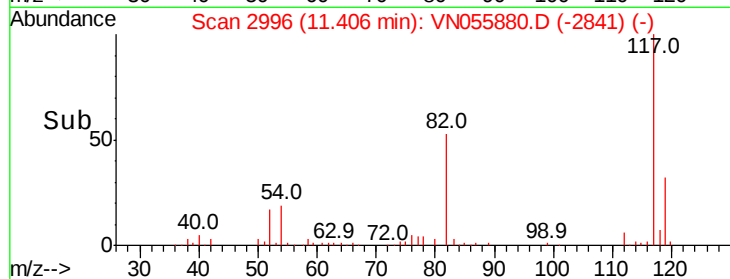
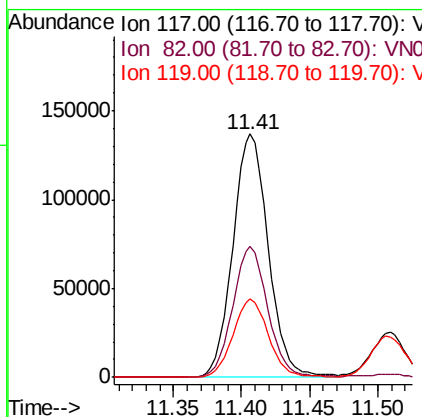
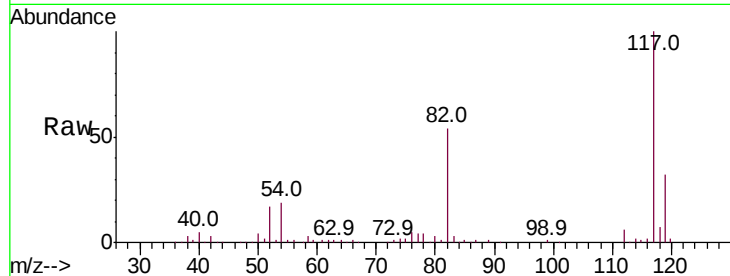
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055880.D
Acq: 29 May 2019 16:13

Instrument :
MSVOA_N
ClientSampleId :
VN0529WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	247332		
82	53.0	42.6	64.0	
119	32.1	25.9	38.9	

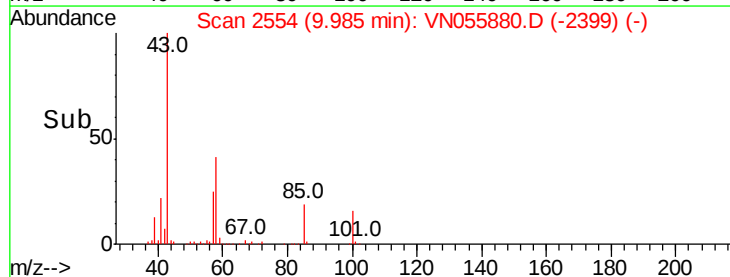
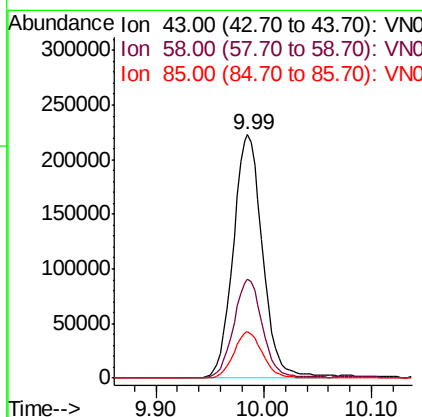
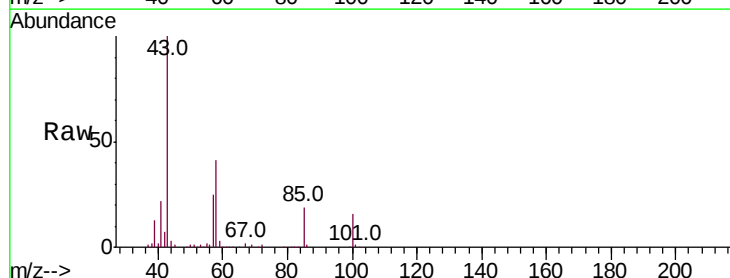
Manual Integrations
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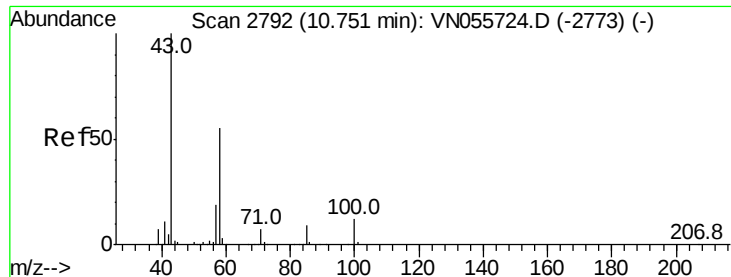
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 103.272 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN055880.D
Acq: 29 May 2019 16:13

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	422844		
58	40.1	31.7	47.5	
85	18.5	14.5	21.7	





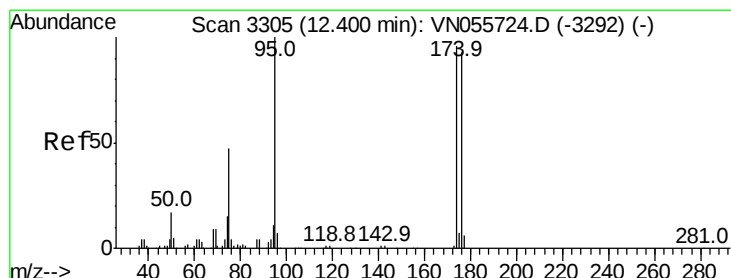
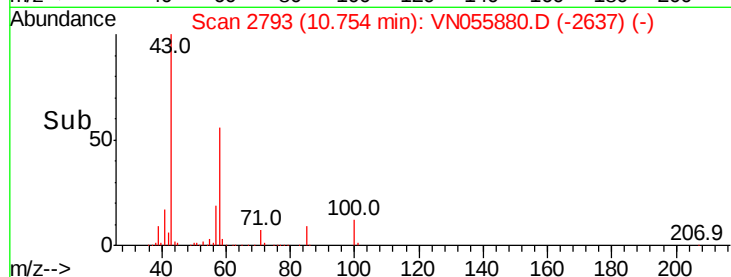
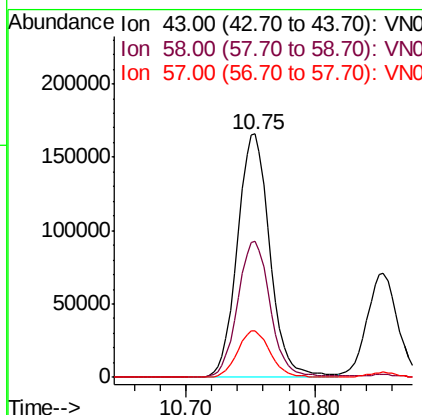
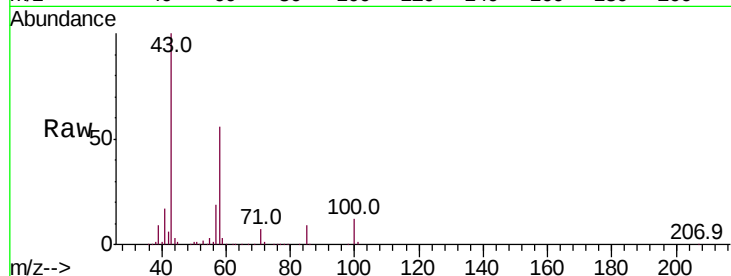
#59
2-Hexanone
Concen: 98.908 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055880.D
Acq: 29 May 2019 16:13

Instrument :
MSVOA_N
ClientSampleId :
VN0529WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.3	44.8	67.2
57	19.3	15.3	22.9

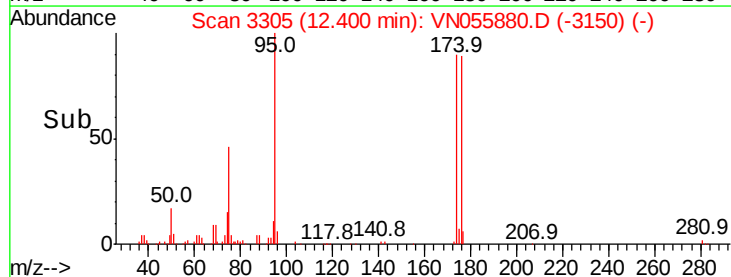
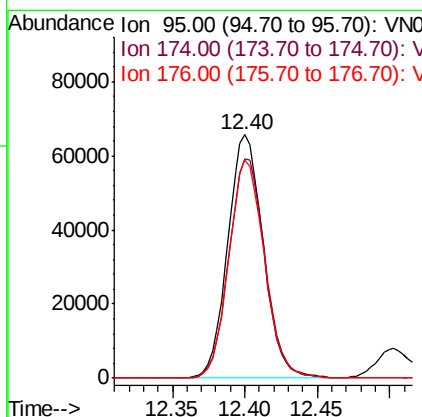
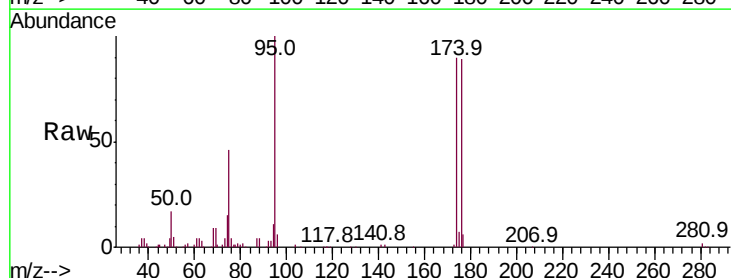
Manual Integrations
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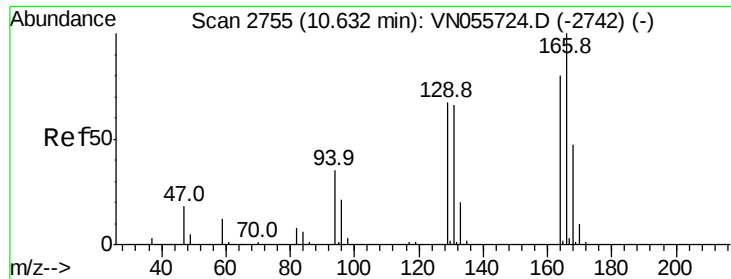
MMDadoda
5/30/2019 9:35:18 AM



#60
4-Bromofluorobenzene
Concen: 29.025 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN055880.D
Acq: 29 May 2019 16:13

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.8	75.7	113.5
176	89.6	74.1	111.1





#61

Tetrachloroethene

Concen: 21.359 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN055880.D

Acq: 29 May 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

VN0529WBSD01

Tot Ion:164 Resp: 71511

Ion Ratio Lower Upper

164 100

166 127.1 100.6 150.8

129 88.2 67.4 101.2

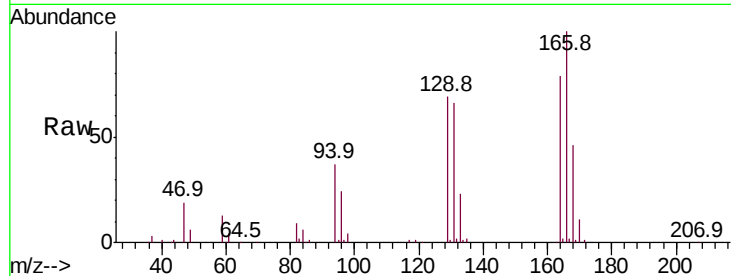
131 84.2 66.6 99.8

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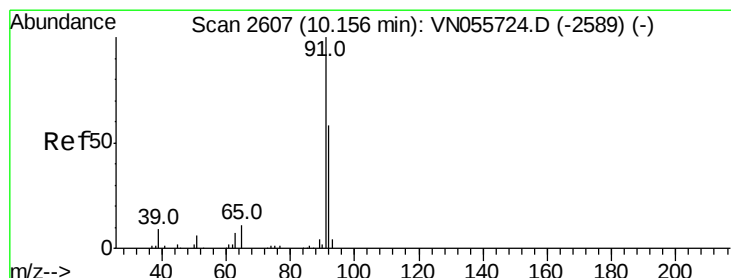
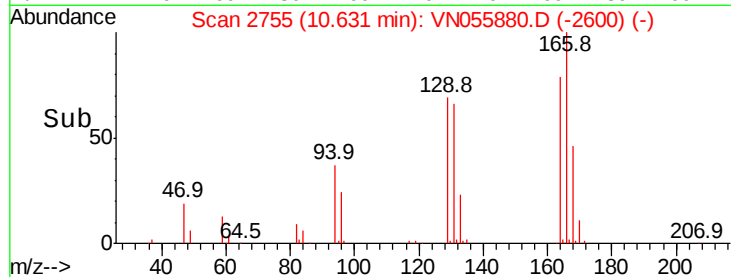
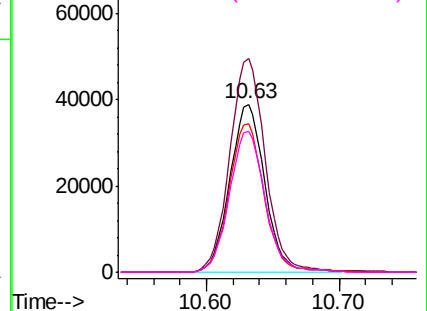


Abundance Ion 163.85 (163.55 to 164.55): V

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: 21.095 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN055880.D

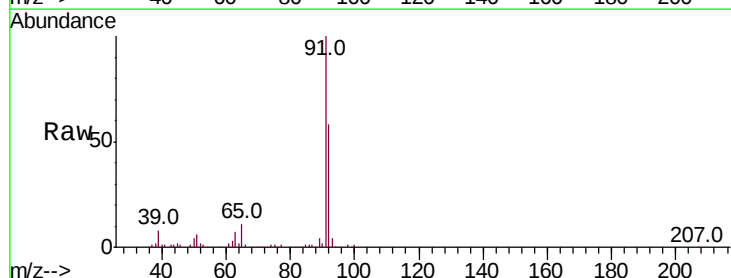
Acq: 29 May 2019 16:13

Tgt Ion: 91 Resp: 280571

Ion Ratio Lower Upper

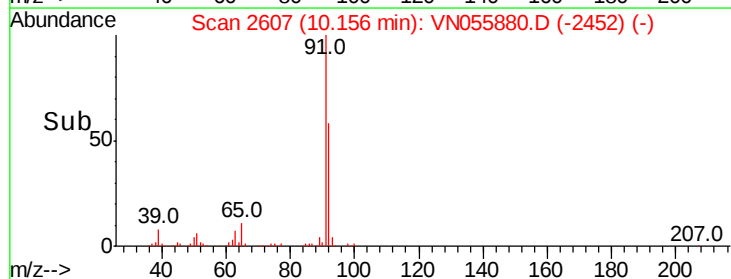
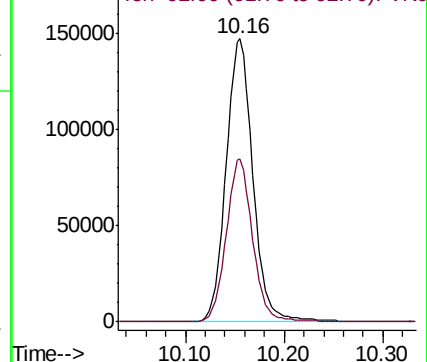
91 100

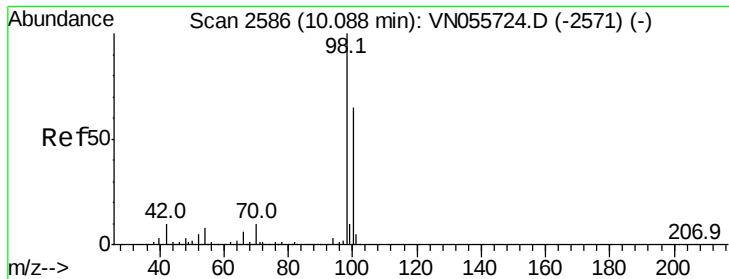
92 56.5 45.6 68.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 30.395 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN055880.D

Acq: 29 May 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

VN0529WBSD01

Tot Ion: 98 Resp: 343554

Ion Ratio Lower Upper

98 100

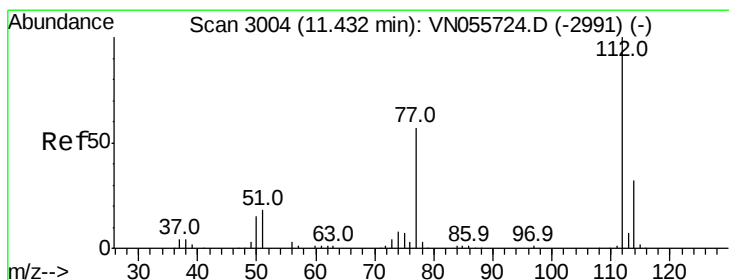
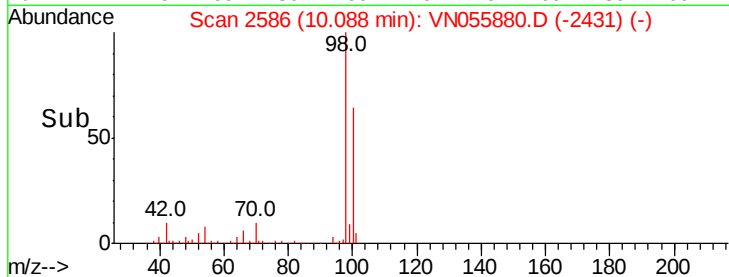
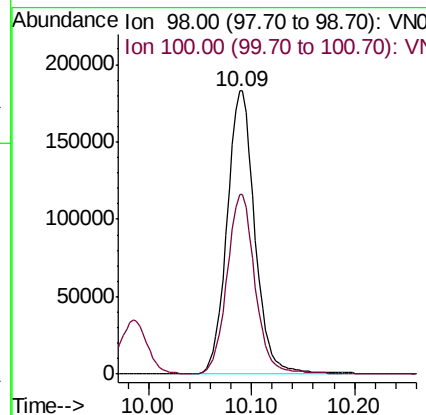
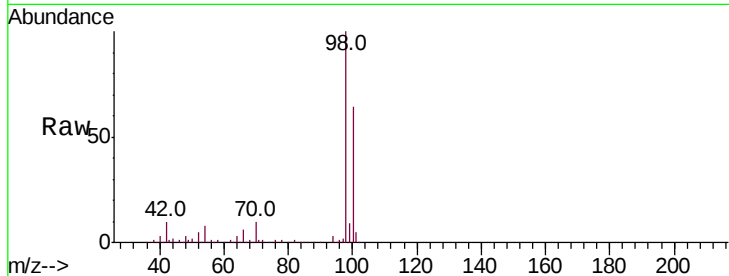
100 63.6 51.6 77.4

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#64

Chlorobenzene

Concen: 20.823 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN055880.D

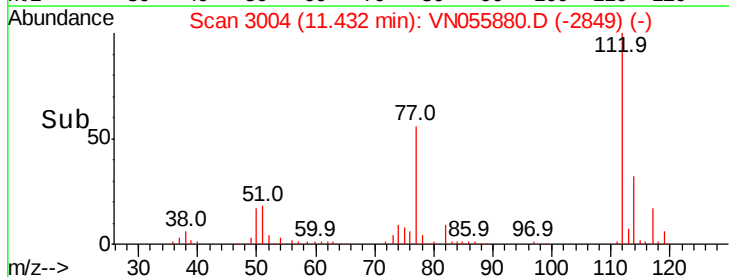
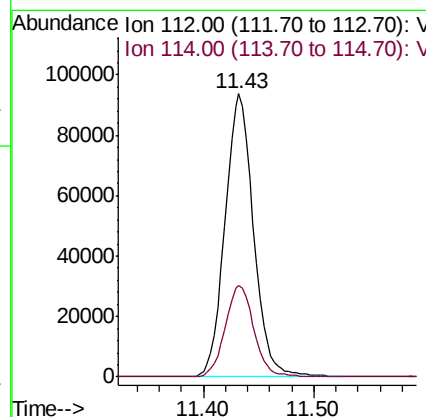
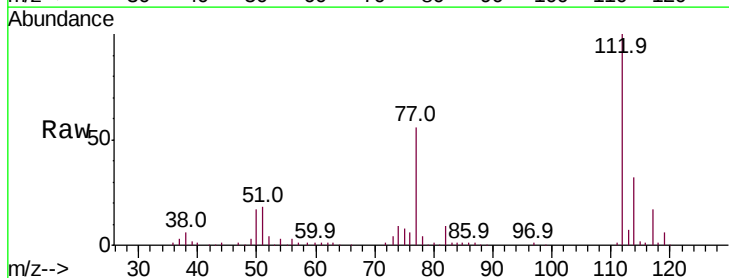
Acq: 29 May 2019 16:13

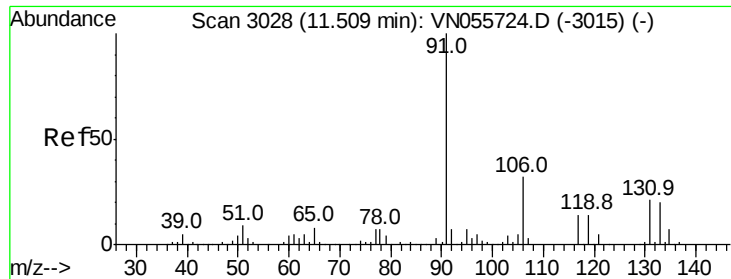
Tgt Ion: 112 Resp: 168000

Ion Ratio Lower Upper

112 100

114 32.5 25.4 38.0





#65

1,1,1,2-Tetrachloroethane

Concen: 19.115 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN055880.D

Acq: 29 May 2019 16:13

Instrument :

MSVOA_N

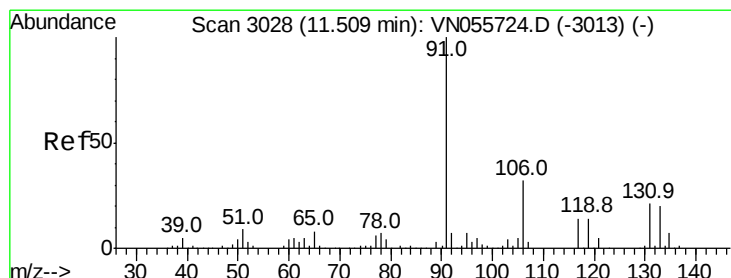
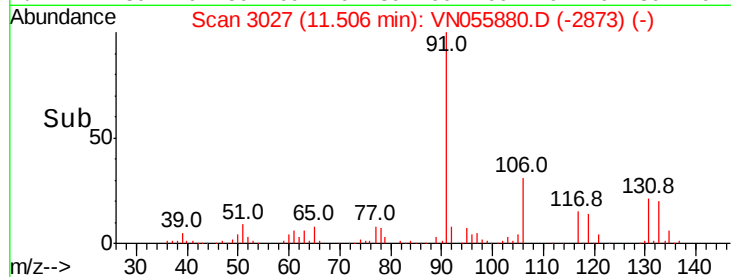
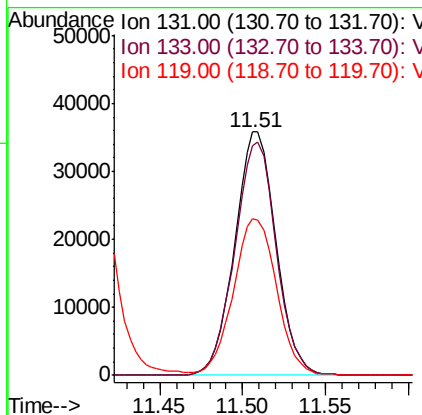
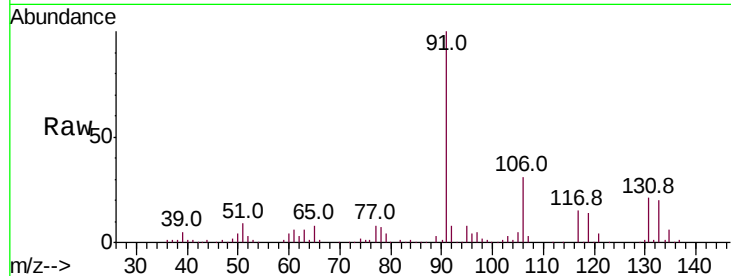
ClientSampleId :

VN0529WBSD01

Tot Ion:	131	Resp:	62137
Ion Ratio	Lower	Upper	
131	100		
133	96.6	0.0	188.8
119	66.4	0.0	133.6

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#66

Ethyl Benzene

Concen: 20.522 ug/l

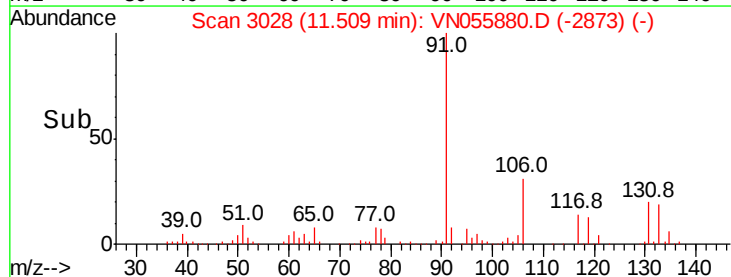
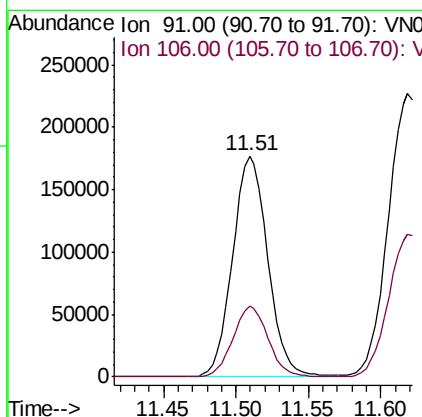
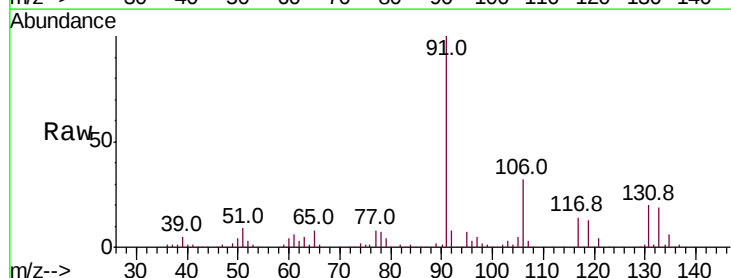
RT: 11.51 min Scan# 3028

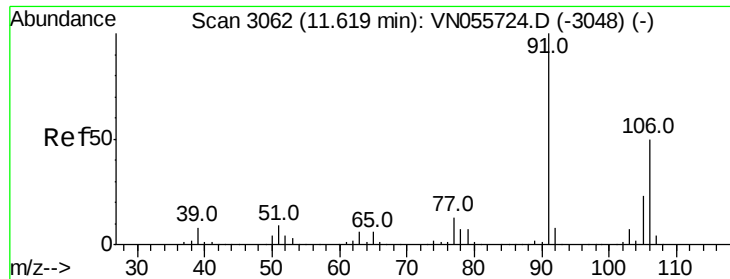
Delta R.T. -0.00 min

Lab File: VN055880.D

Acq: 29 May 2019 16:13

Tgt Ion:	91	Resp:	298228
Ion Ratio	Lower	Upper	
91	100		
106	31.9	25.6	38.4





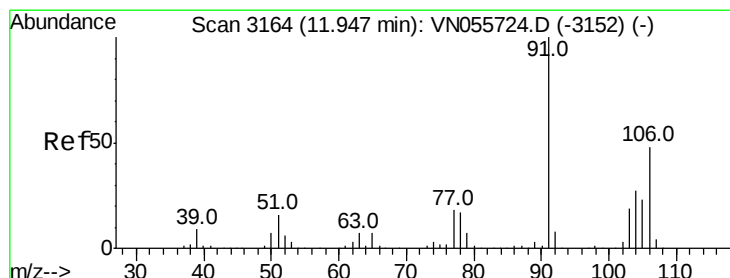
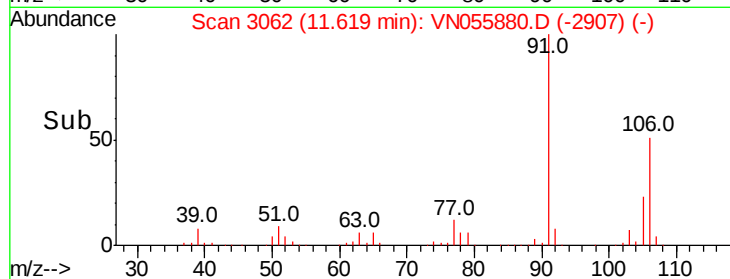
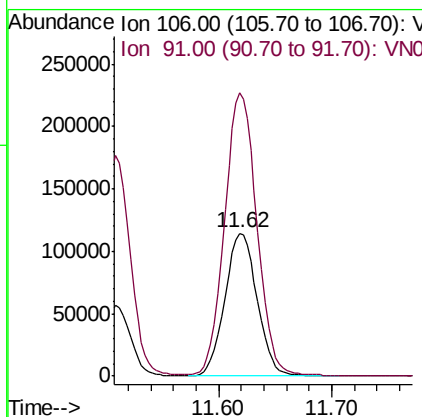
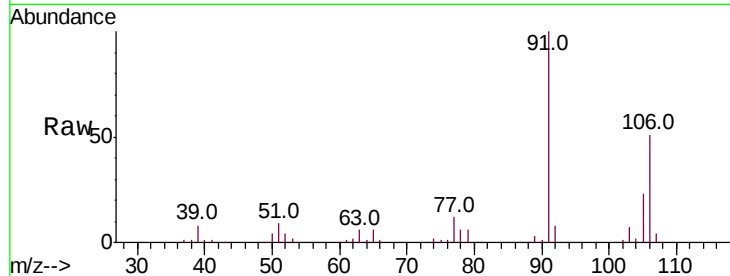
#67
m/p-Xylenes
Concen: 41.223 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN055880.D
Acq: 29 May 2019 16:13

Instrument :
MSVOA_N
ClientSampleId :
VN0529WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		227573		
91	198.6	159.5	239.3		

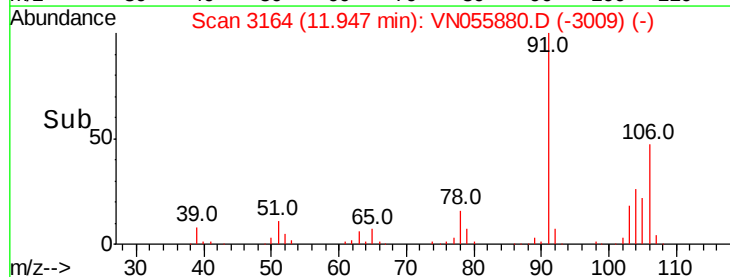
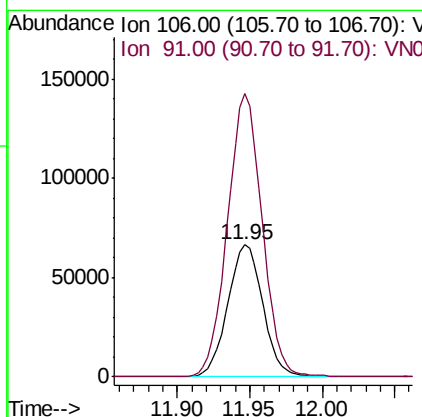
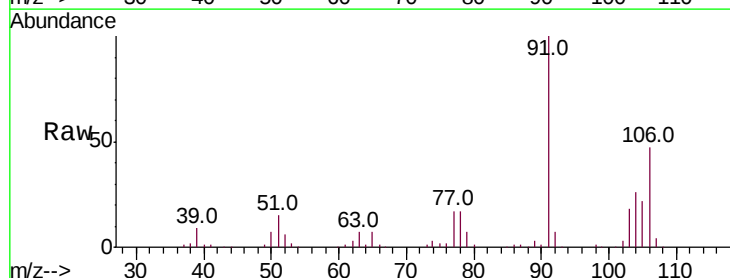
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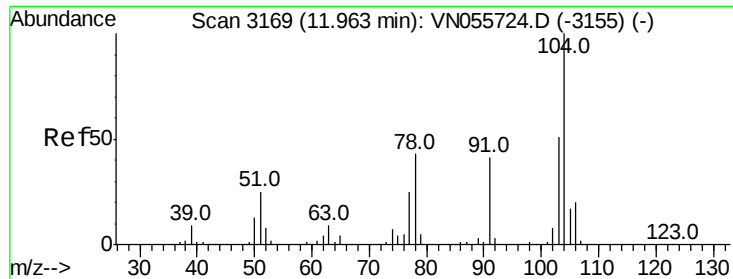
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#68
o-Xylene
Concen: 20.419 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055880.D
Acq: 29 May 2019 16:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		111546		
91	212.5	105.4	316.1		





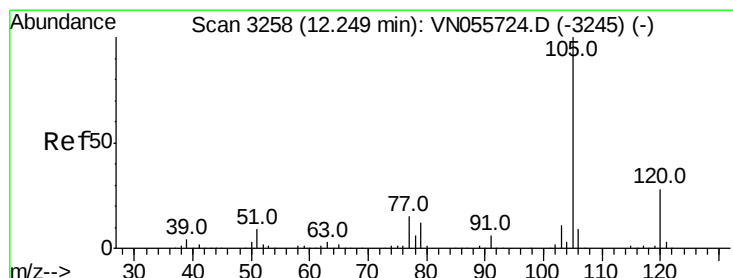
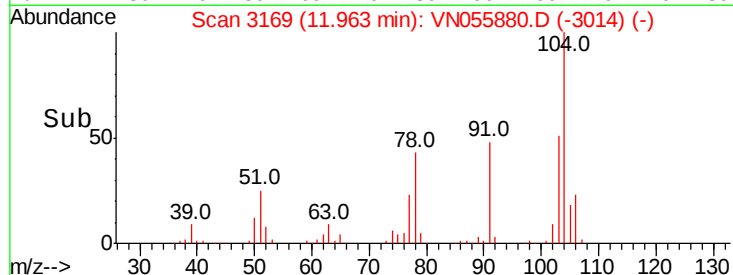
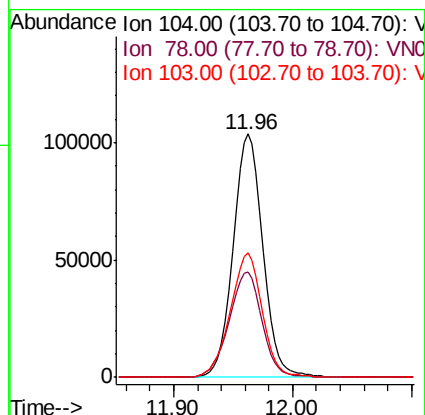
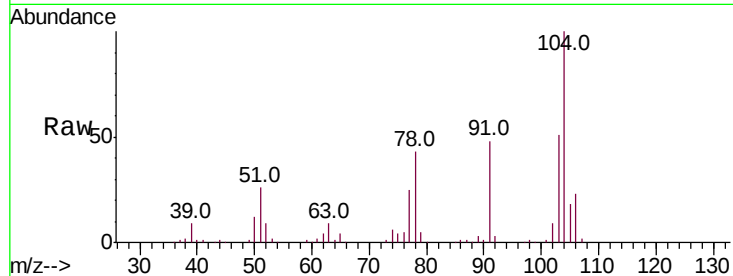
#69
Stvrene
Concen: 19.902 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN055880.D
Acq: 29 May 2019 16:13

Instrument :
MSVOA_N
ClientSampled :
VN0529WBSD01

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.0	38.7	58.1
103	55.1	45.0	67.6

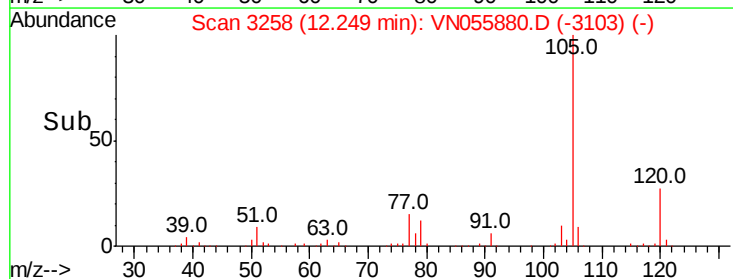
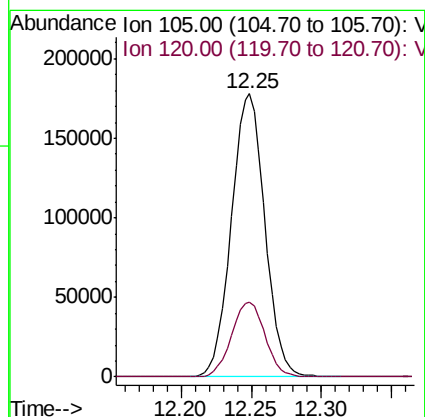
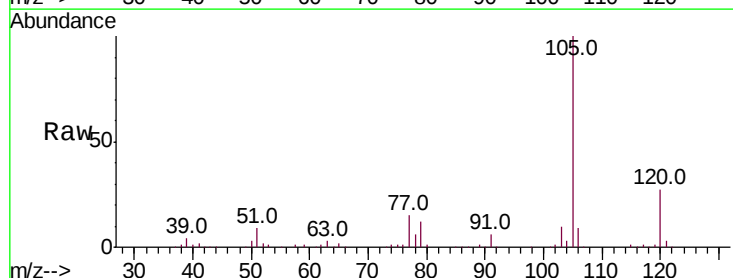
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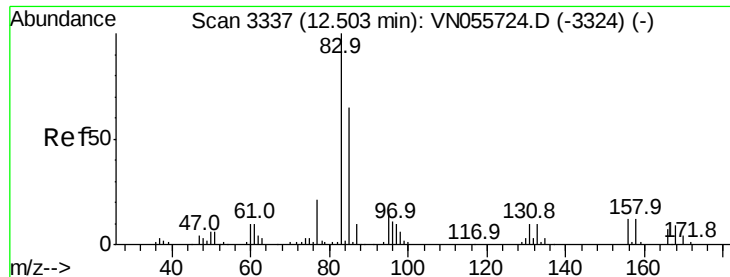
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#70
Isopropylbenzene
Concen: 20.657 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN055880.D
Acq: 29 May 2019 16:13

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.6	19.2	35.6





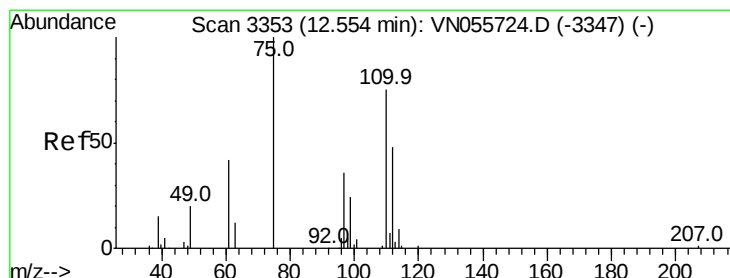
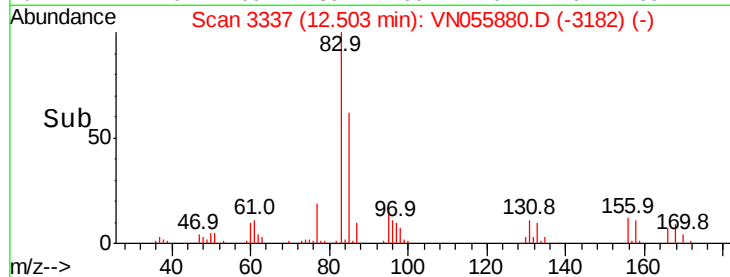
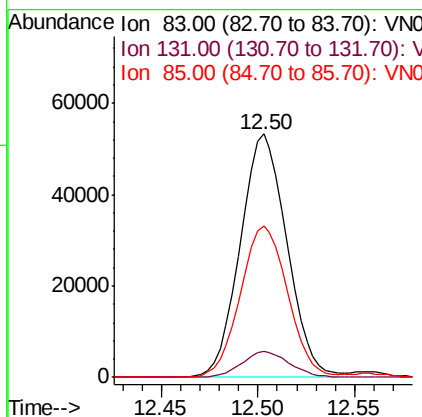
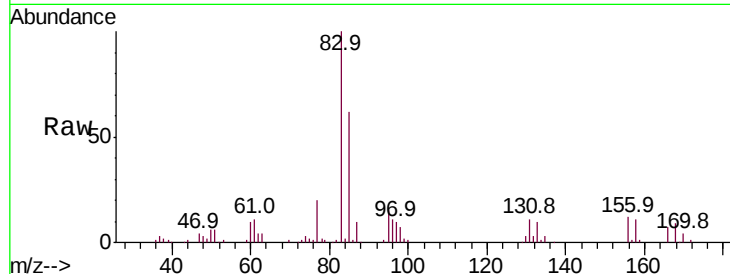
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.355 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN055880.D
 Acq: 29 May 2019 16:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0529WBSD01

Tot Ion	83	Resp	89539
Ion Ratio	100	Lower	Upper
131	10.7	5.3	15.8
85	63.1	32.3	96.9

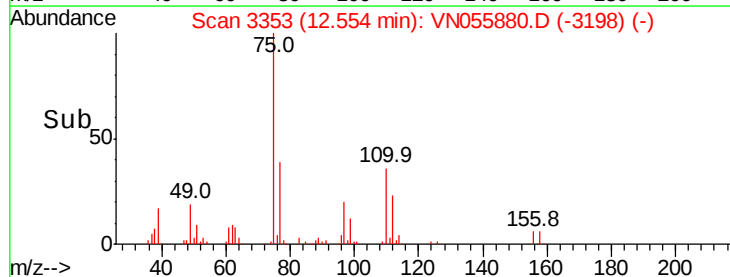
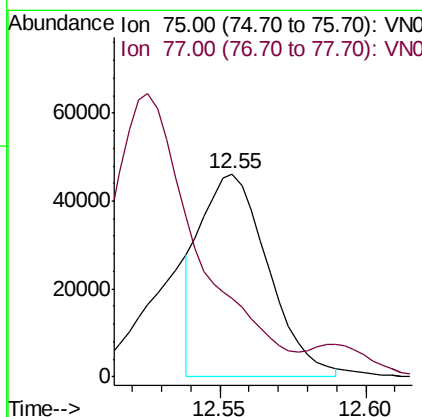
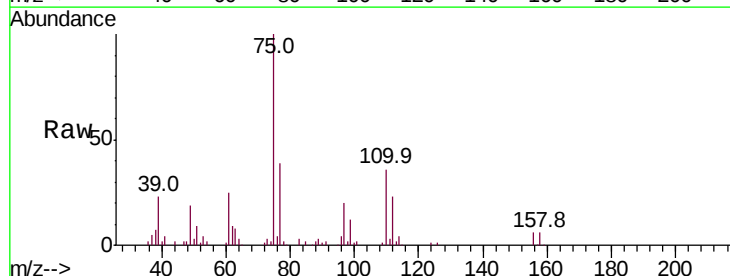
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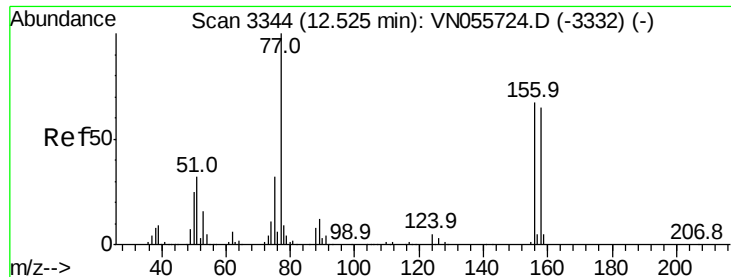
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#72
 1,2,3-Trichloropropane
 Concen: 19.642 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN055880.D
 Acq: 29 May 2019 16:13

Tgt Ion	75	Resp	74363
Ion Ratio	100	Lower	Upper
77	183.6	0.0	349.8





#73

Bromobenzene

Concen: 19.869 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN055880.D

Acq: 29 May 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

VN0529WBSD01

Tot Ion:156 Resp: 75133

Ion Ratio Lower Upper

156 100

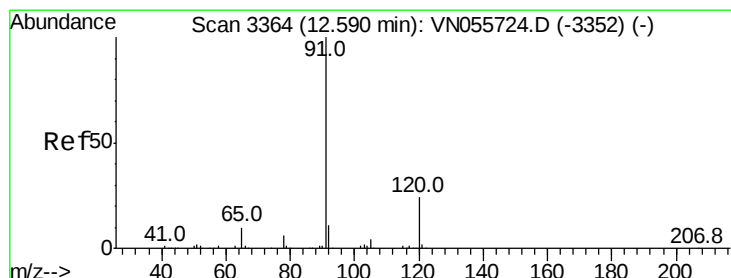
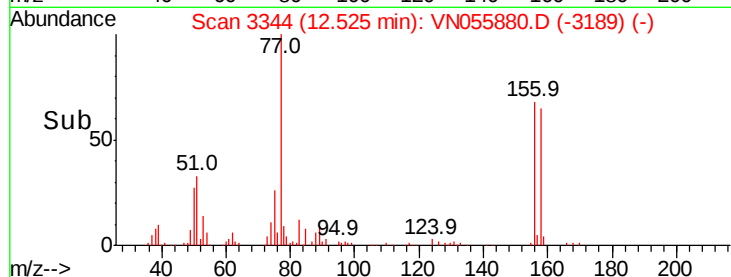
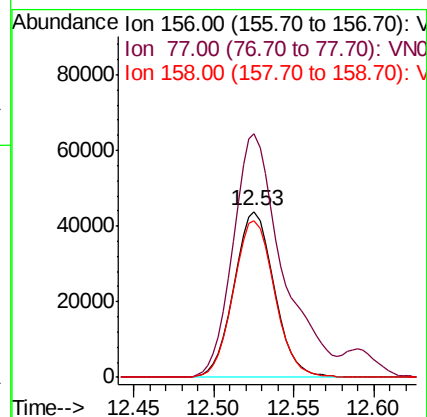
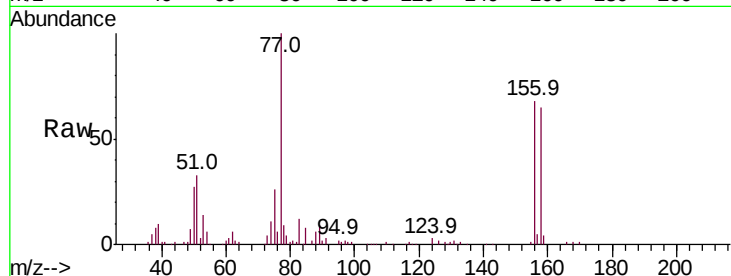
77 181.7 0.0 368.0

158 96.7 0.0 195.0

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#74

n-propylbenzene

Concen: 20.071 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN055880.D

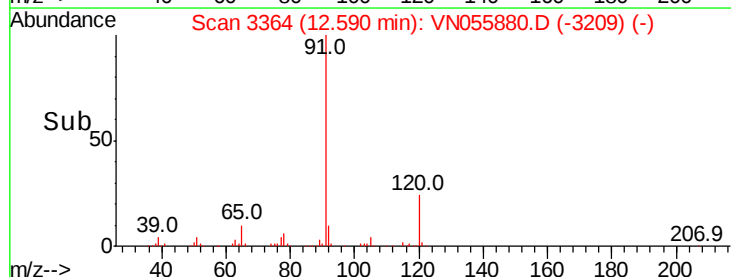
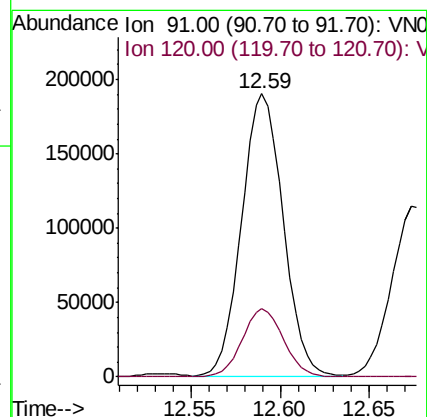
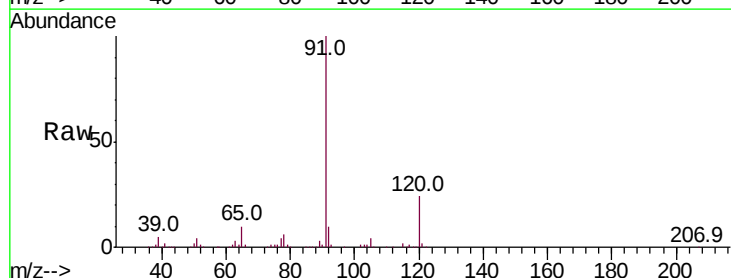
Acq: 29 May 2019 16:13

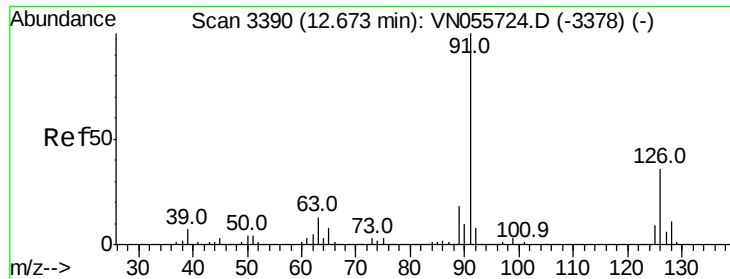
Tgt Ion: 91 Resp: 309403

Ion Ratio Lower Upper

91 100

120 23.8 0.0 47.4





#75

2-Chlorotoluene

Concen: 20.336 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN055880.D

Acq: 29 May 2019 16:13

Instrument :

MSVOA_N

ClientSampled :

VN0529WBSD01

Tot Ion: 91 Resp: 191498

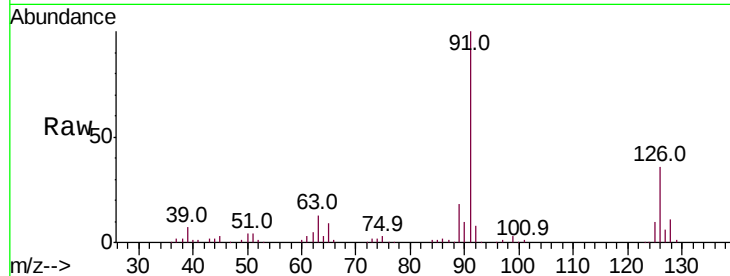
Ion Ratio Lower Upper

91 100

126 35.2 0.0 71.0

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Abundance Ion 91.00 (90.70 to 91.70): VN055724.D (-3378) (-)

Ion 126.00 (125.70 to 126.70): VN055724.D (-3378) (-)

150000

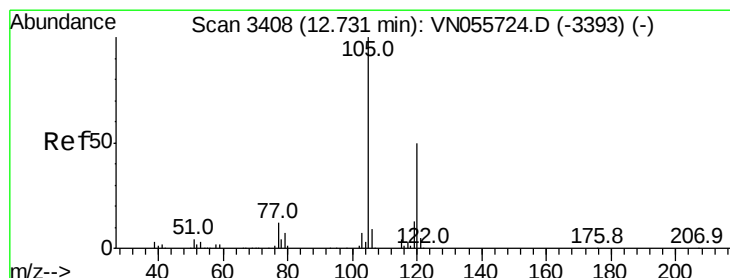
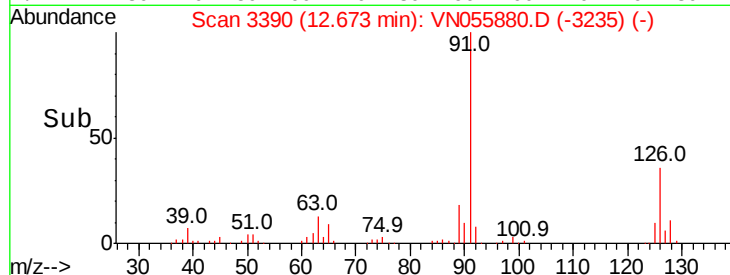
100000

50000

0

12.60 12.65 12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 20.327 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN055880.D

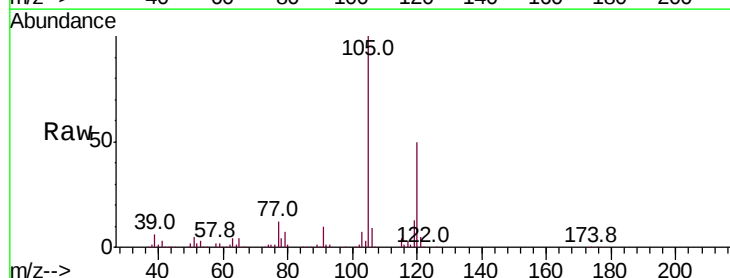
Acq: 29 May 2019 16:13

Tgt Ion:105 Resp: 240158

Ion Ratio Lower Upper

105 100

120 50.0 0.0 99.2



Abundance Ion 105.00 (104.70 to 105.70): VN055724.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN055724.D (-3393) (-)

150000

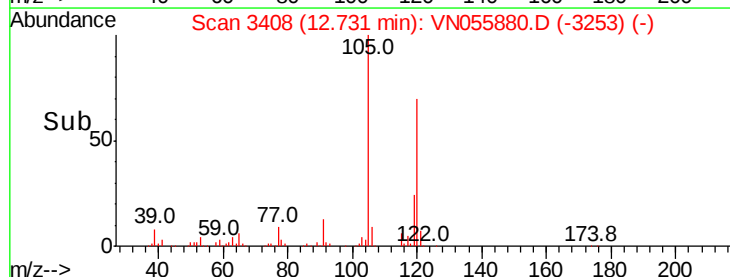
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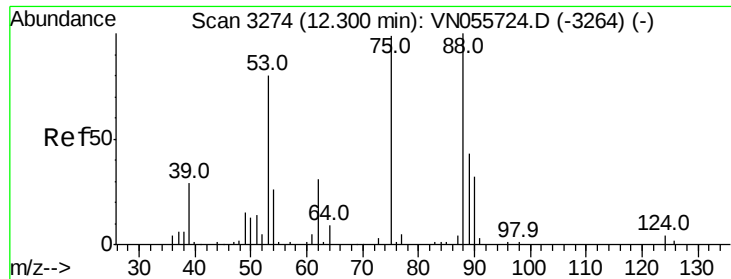
50000

0

12.65 12.70 12.75 12.80

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 14.451 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN055880.D

Acq: 29 May 2019 16:13

Instrument :

MSVOA_N

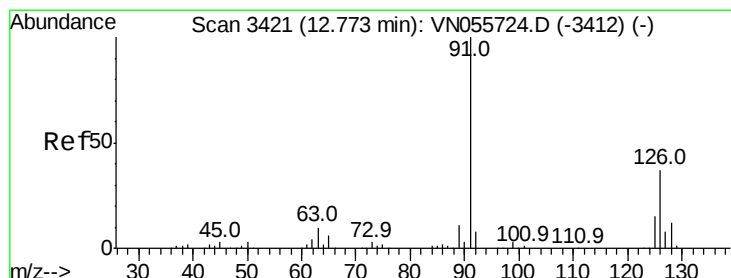
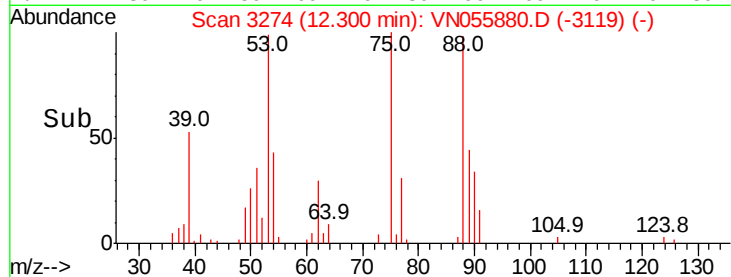
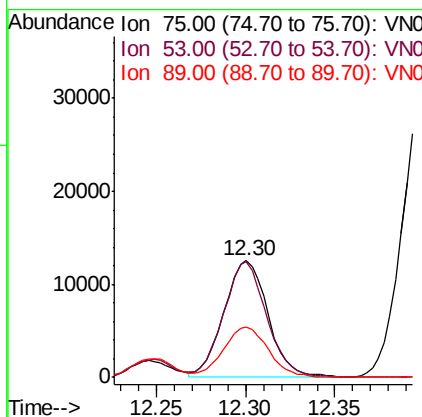
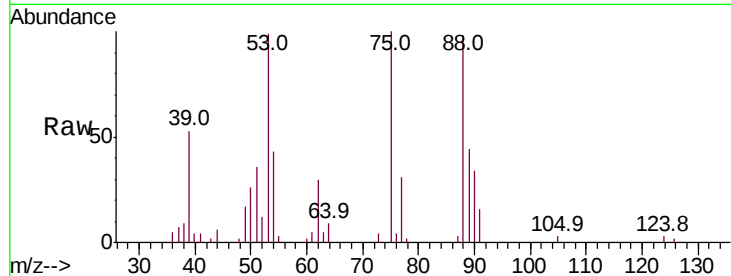
ClientSampleId :

VN0529WBSD01

Tot Ion:	75	Resp:	21732
Ion Ratio	Lower	Upper	
75	100		
53	99.3	40.1	120.3
89	43.8	22.6	67.8

Manual Integrations
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#78

4-Chlorotoluene

Concen: 19.626 ug/l

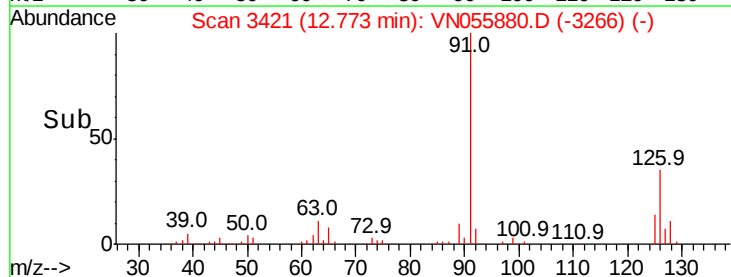
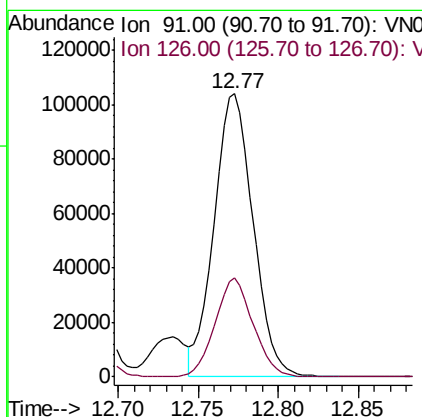
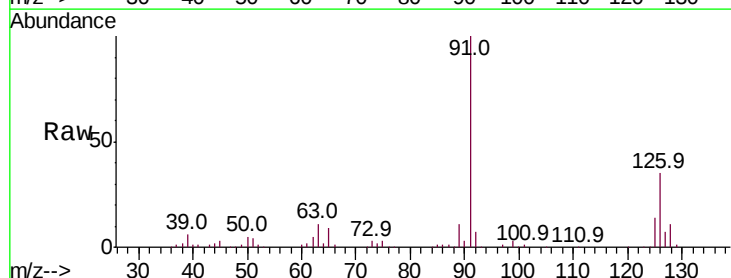
RT: 12.77 min Scan# 3421

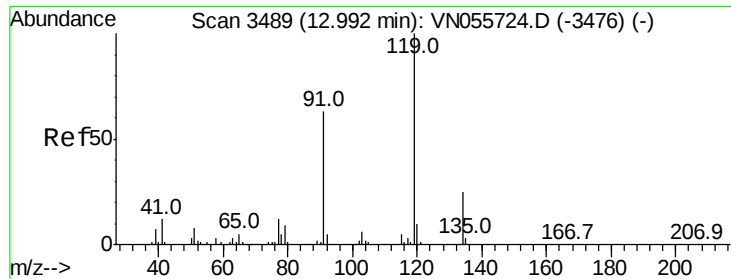
Delta R.T. -0.00 min

Lab File: VN055880.D

Acq: 29 May 2019 16:13

Tgt Ion:	91	Resp:	175153
Ion Ratio	Lower	Upper	
91	100		
126	33.9	0.0	69.0





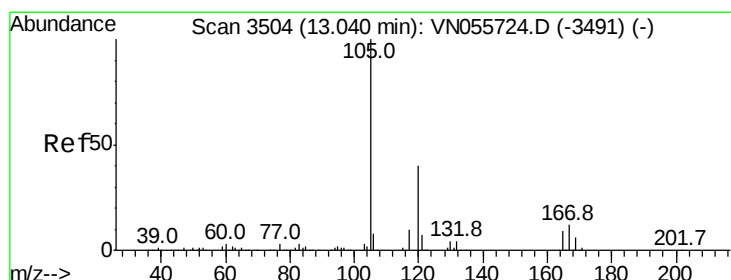
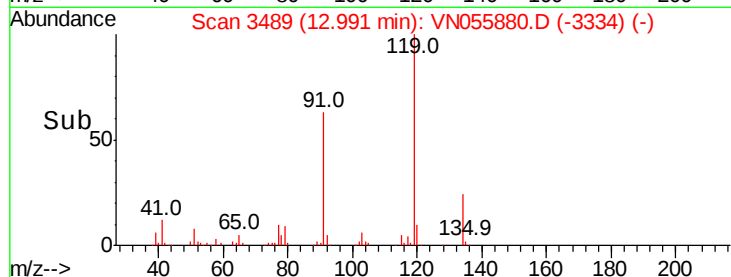
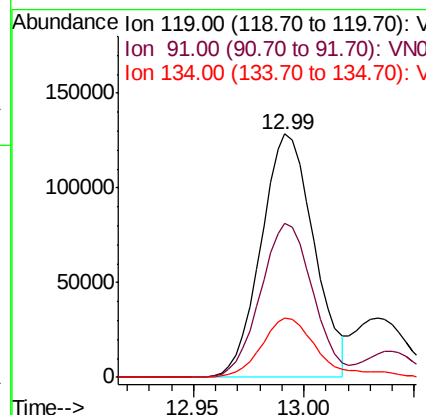
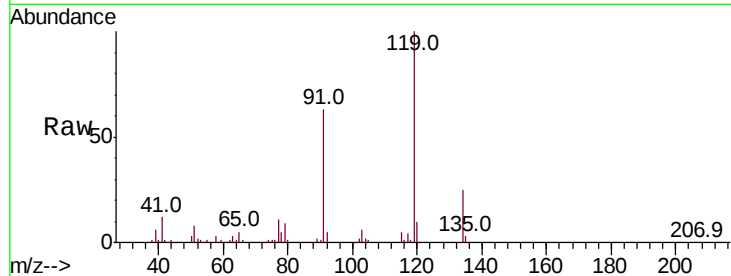
#79
tert-butylbenzene
Concen: 20.593 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN055880.D
Acq: 29 May 2019 16:13

Instrument :
MSVOA_N
ClientSampleId :
VN0529WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	213894		
91	62.7	0.0	123.8	
134	26.2	0.0	52.6	

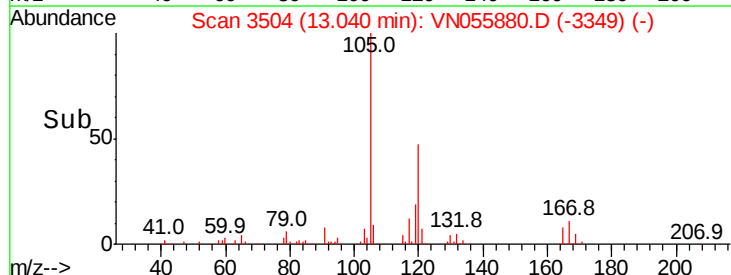
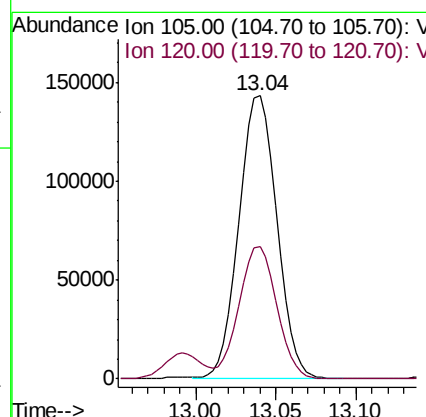
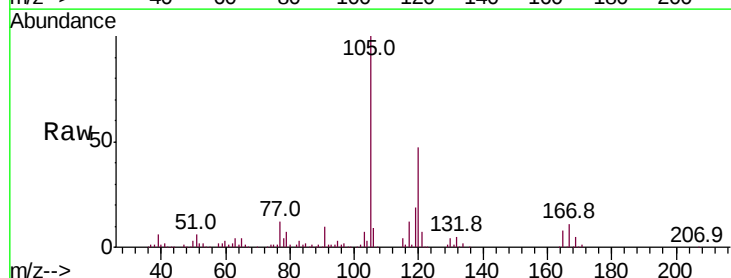
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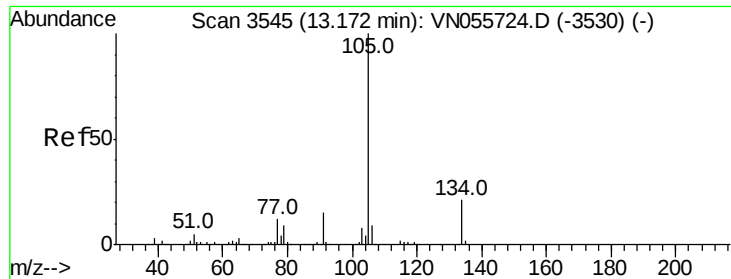
MMDadoda
5/30/2019 9:35:18 AM



#80
1,2,4-Trimethylbenzene
Concen: 19.817 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN055880.D
Acq: 29 May 2019 16:13

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	232426		
120	46.5	0.0	93.6	





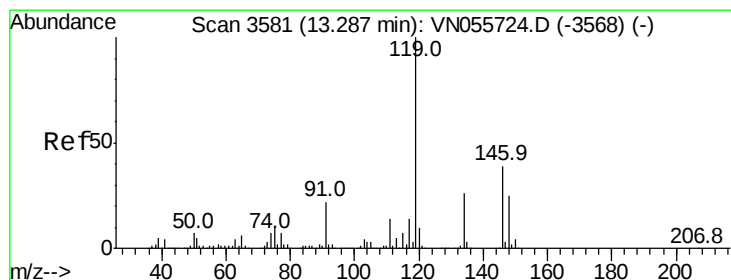
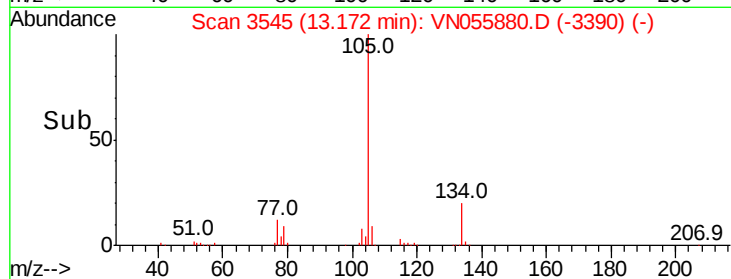
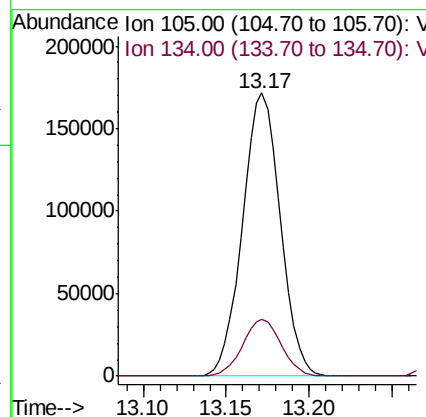
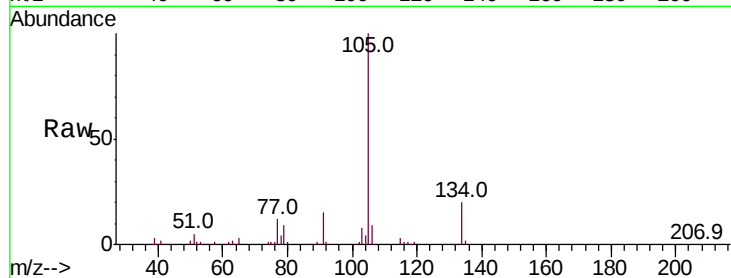
#81
 sec-Butylbenzene
 Concen: 20.592 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN055880.D
 Acq: 29 May 2019 16:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0529WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	271751		
134	20.4	0.0	41.4	

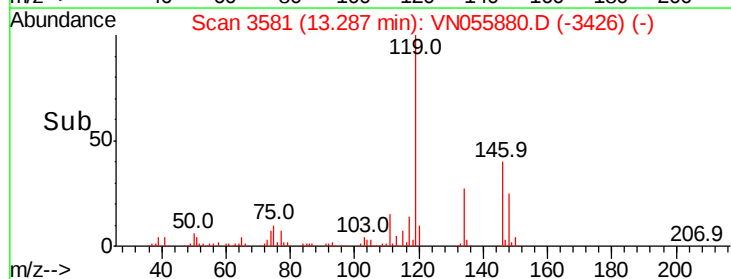
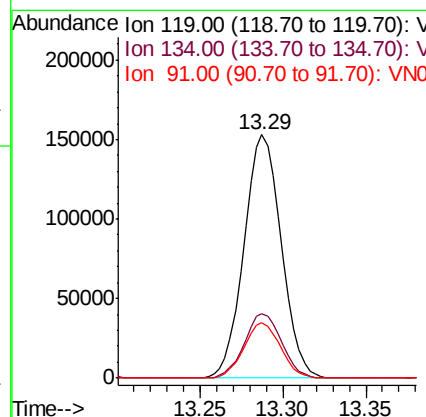
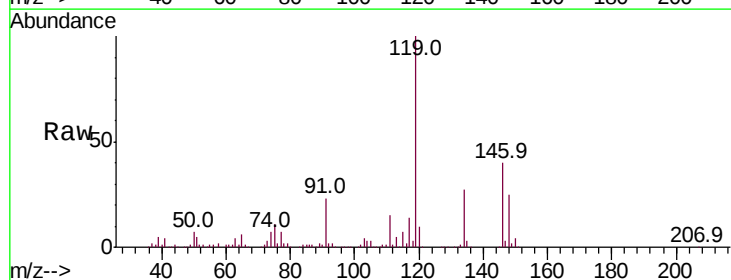
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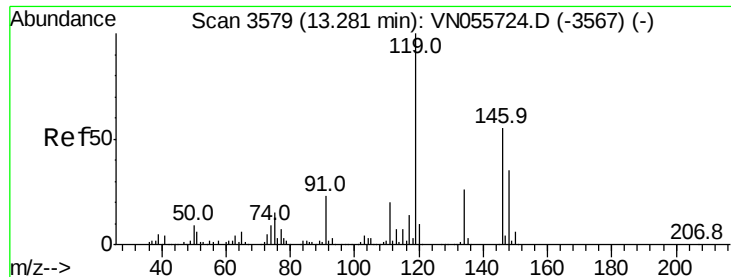
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 5/30/2019 9:35:18 AM



#82
 p-Isopropyltoluene
 Concen: 19.762 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN055880.D
 Acq: 29 May 2019 16:13

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	240017		
134	26.5	0.0	52.0	
91	22.4	0.0	44.4	





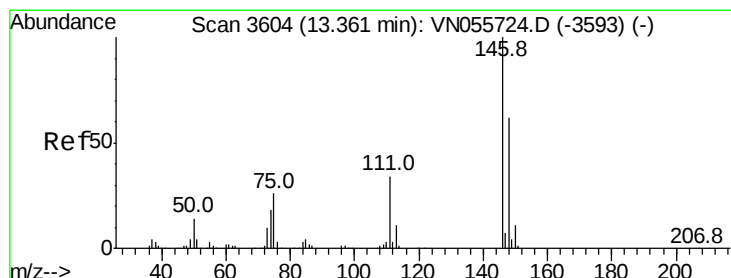
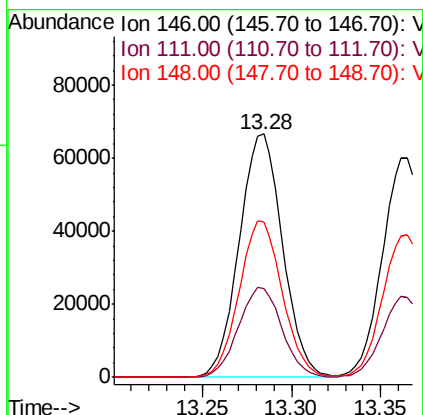
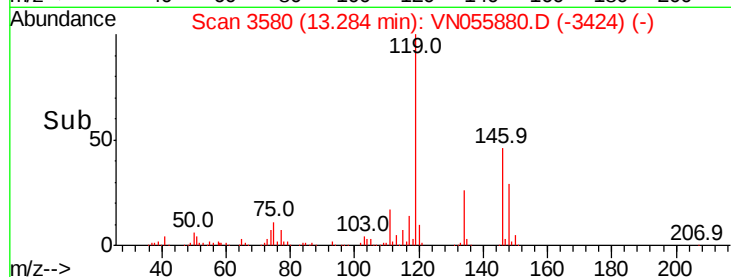
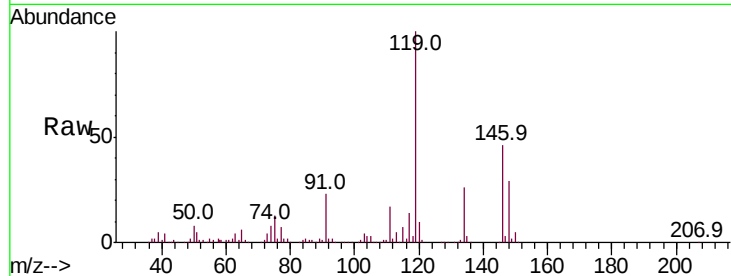
#83
 1,3-Dichlorobenzene
 Concen: 19.076 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN055880.D
 Acq: 29 May 2019 16:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0529WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.6	55.6
148	63.9	32.2	96.6

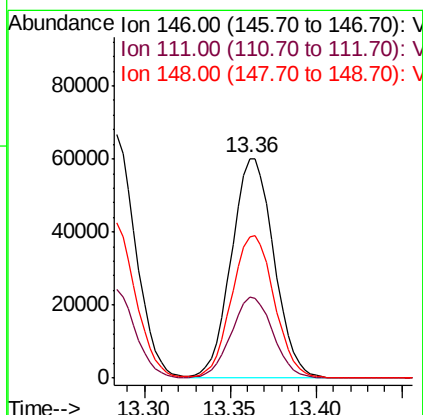
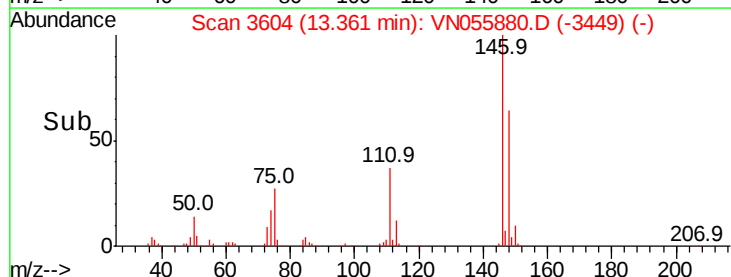
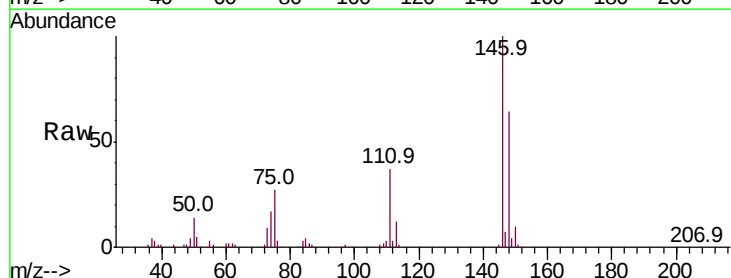
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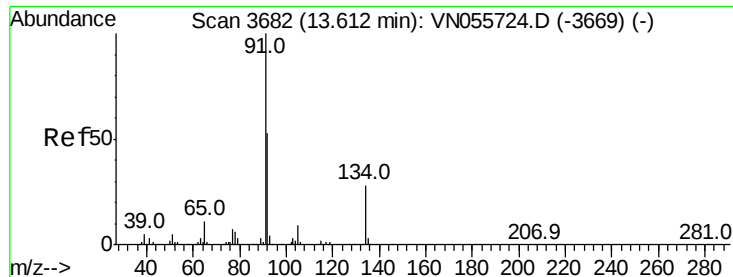
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#84
 1,4-Dichlorobenzene
 Concen: 18.362 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN055880.D
 Acq: 29 May 2019 16:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.3	17.5	52.6
148	64.5	31.8	95.4





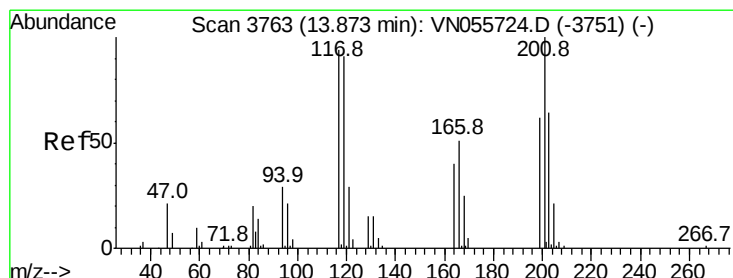
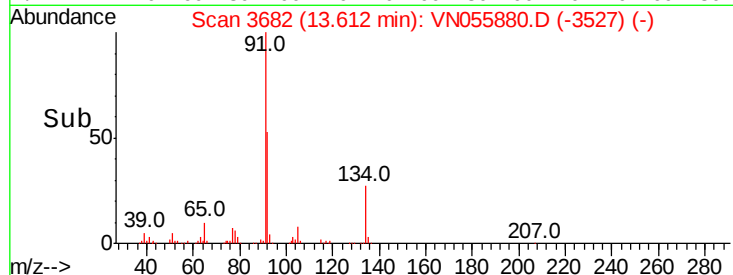
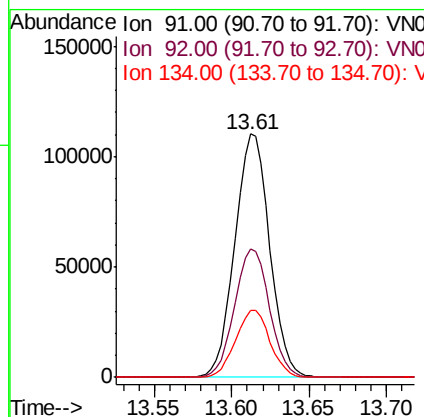
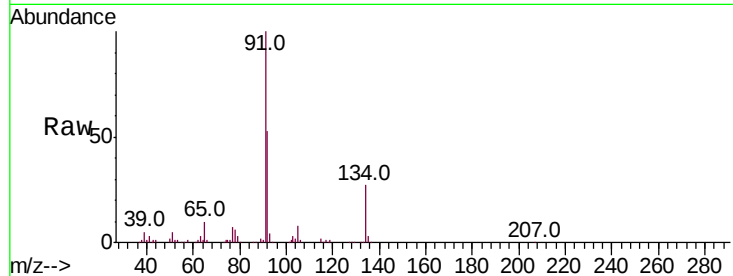
#85
n-Butylbenzene
Concen: 18.196 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN055880.D
Acq: 29 May 2019 16:13

Instrument :
MSVOA_N
ClientSampleId :
VN0529WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	171929		
92	52.8		0.0	106.8
134	27.3		0.0	55.2

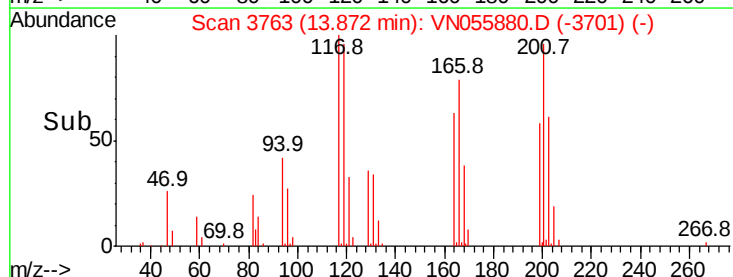
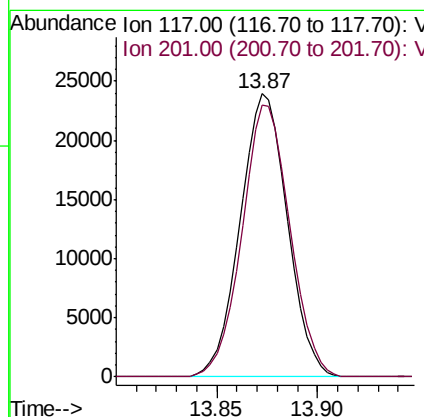
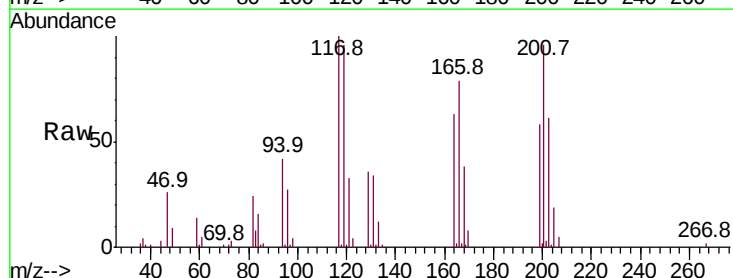
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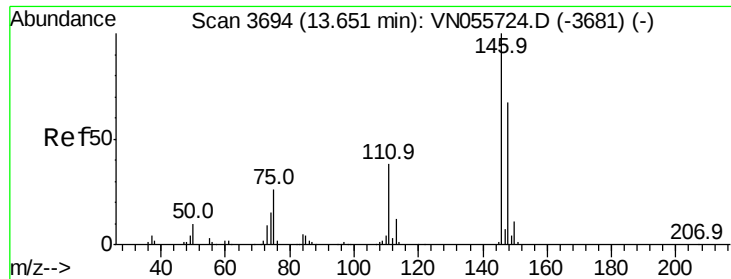
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#86
Hexachloroethane
Concen: 16.466 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN055880.D
Acq: 29 May 2019 16:13

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	39334		
201	97.1		52.5	157.6





#87

1,2-Dichlorobenzene

Concen: 19.515 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN055880.D

Acq: 29 May 2019 16:13

Instrument :

MSVOA_N

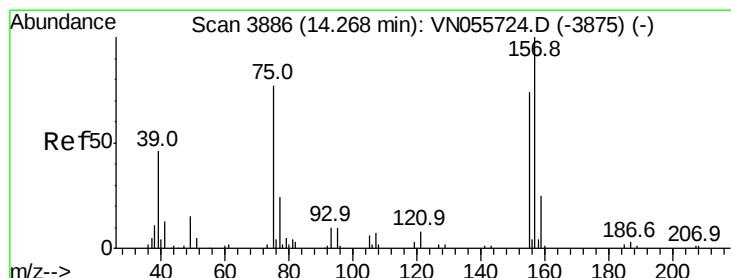
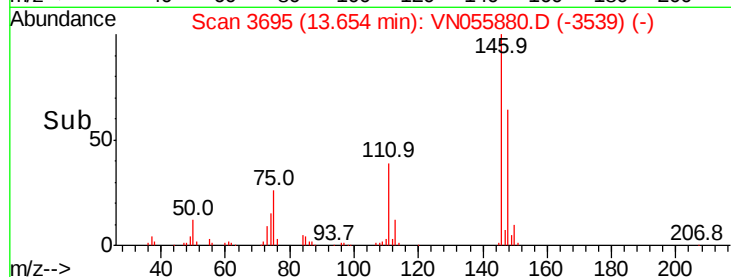
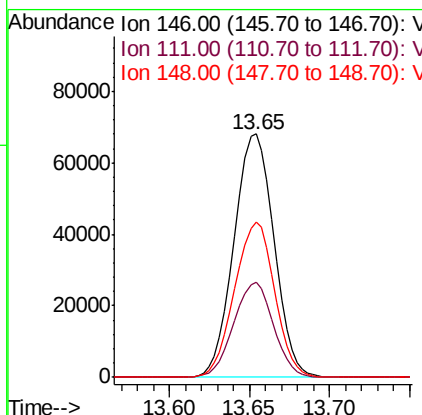
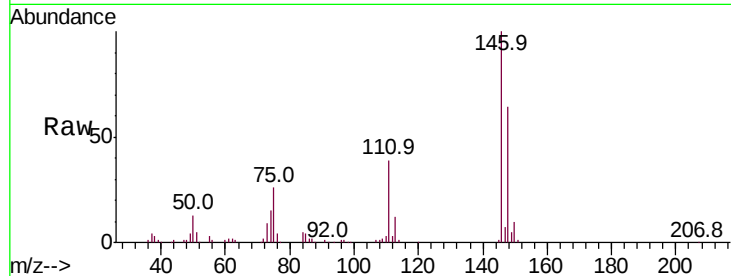
ClientSampleId :

VN0529WBSD01

Tot Ion:	146	Resp:	116484
Ion Ratio	Lower	Upper	
146	100		
111	38.7	19.2	57.6
148	63.6	32.7	98.1

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#88

1,2-Dibromo-3-Chloropropane

Concen: 16.755 ug/l

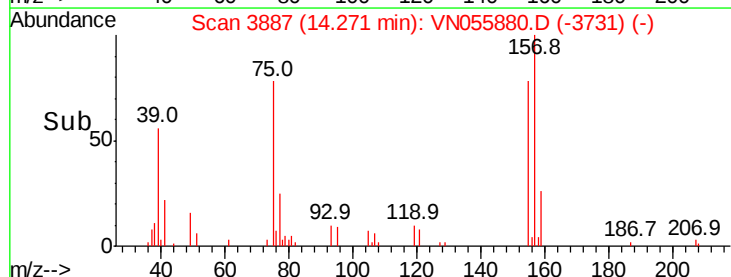
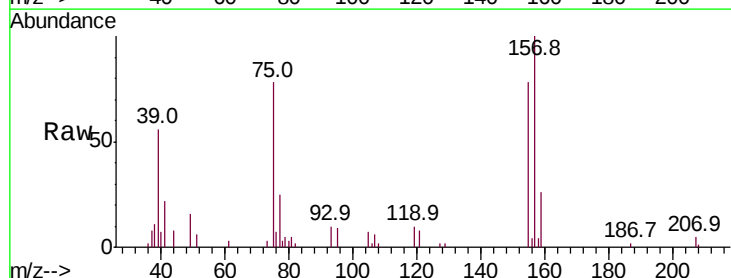
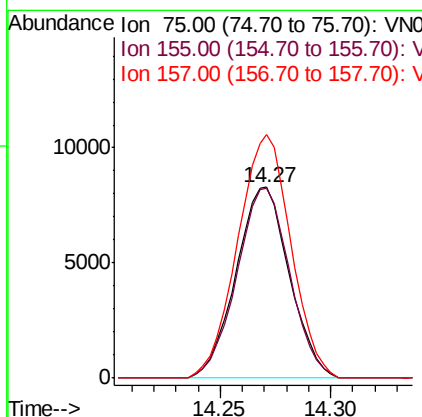
RT: 14.27 min Scan# 3887

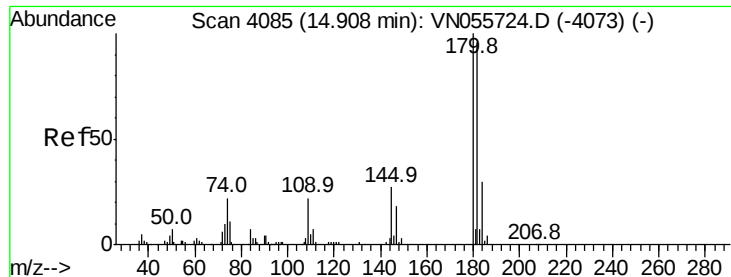
Delta R.T. 0.00 min

Lab File: VN055880.D

Acq: 29 May 2019 16:13

Tgt Ion:	75	Resp:	13969
Ion Ratio	Lower	Upper	
75	100		
155	98.1	78.4	117.6
157	126.8	105.0	157.4





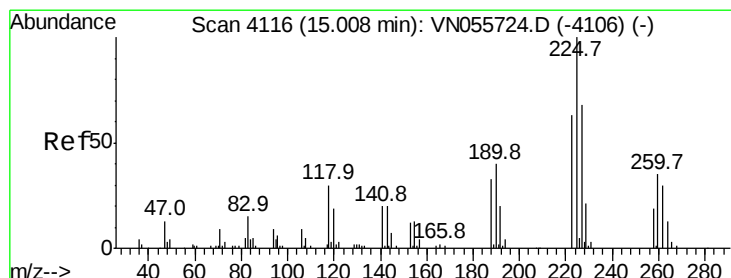
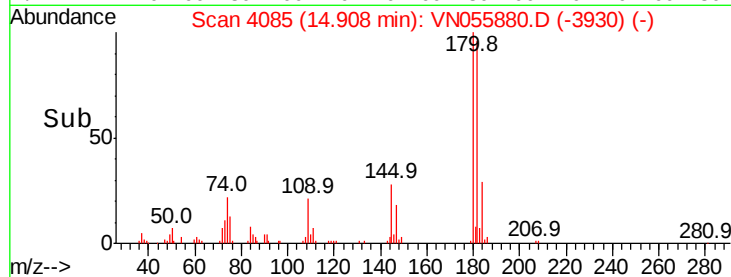
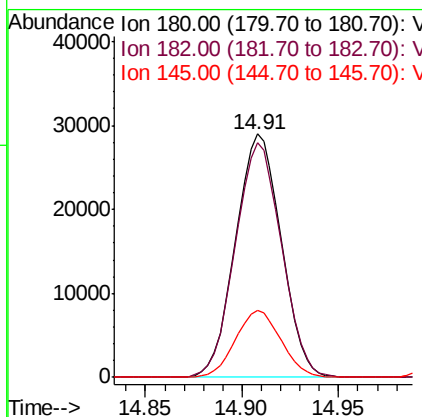
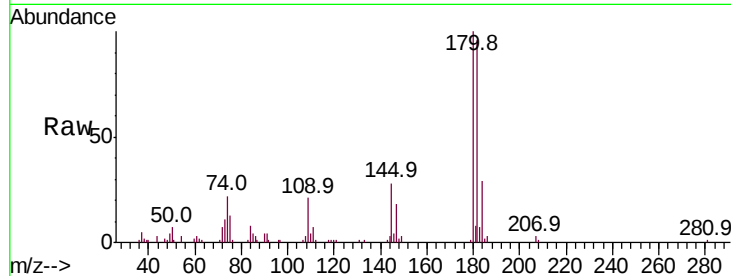
#89
 1,2,4-Trichlorobenzene
 Concen: 14.792 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN055880.D
 Acq: 29 May 2019 16:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0529WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.3	76.1	114.1
145	27.4	21.8	32.8

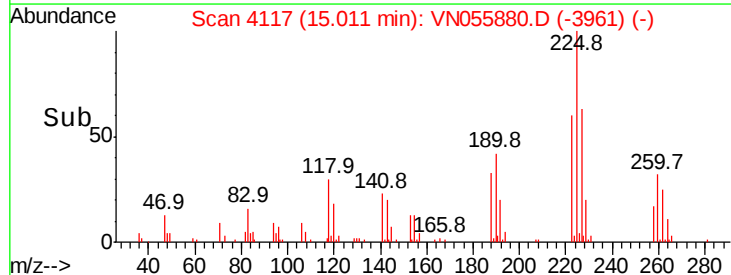
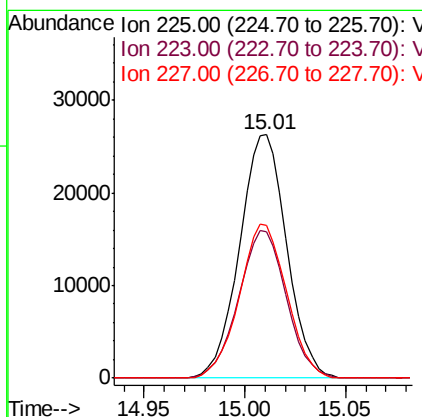
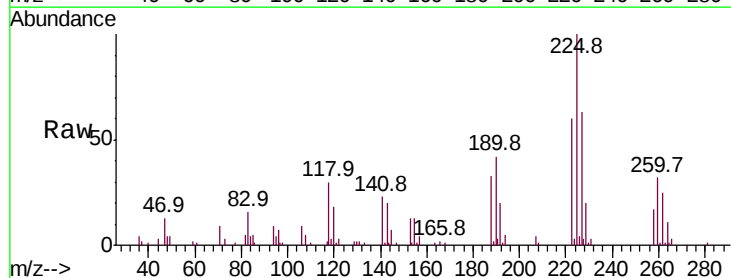
Manual Integrations
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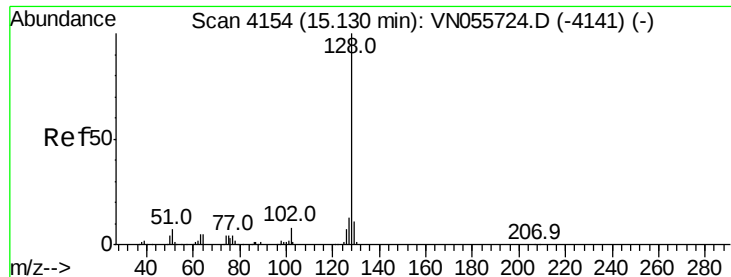
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 5/30/2019 9:35:18 AM



#90
 Hexachlorobutadiene
 Concen: 17.854 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN055880.D
 Acq: 29 May 2019 16:13

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.4	0.0	126.0
227	63.5	0.0	133.0





#91

Naphthalene

Concen: 15.732 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055880.D

Acq: 29 May 2019 16:13

Instrument :

MSVOA_N

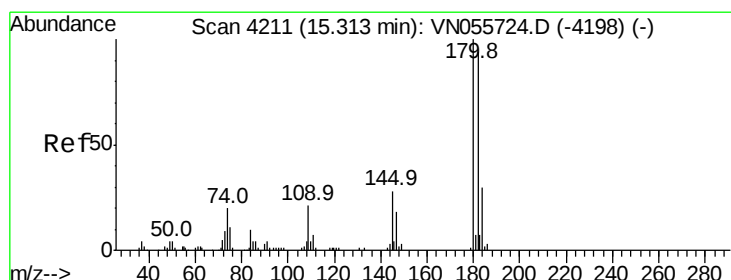
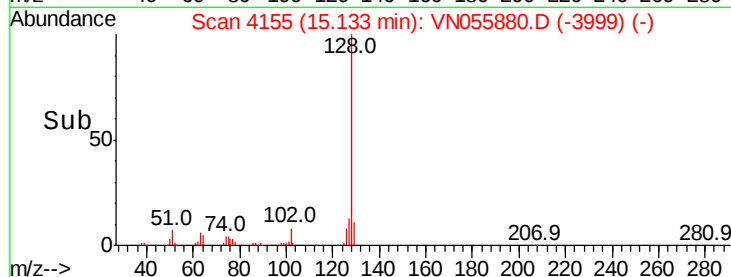
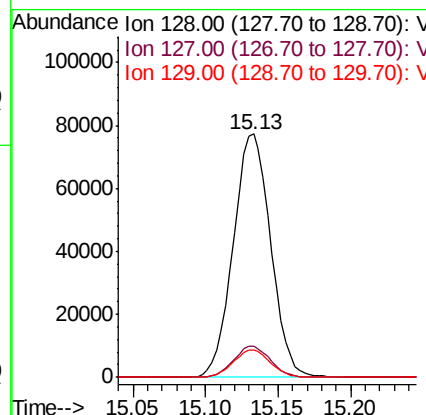
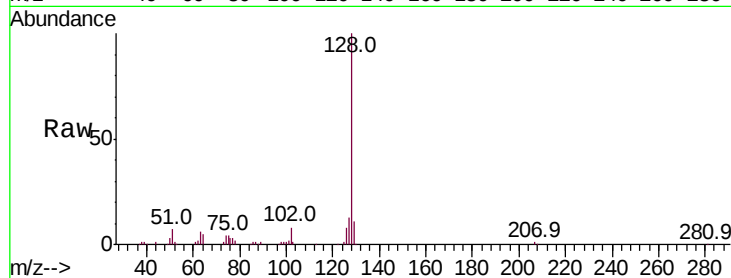
ClientSampleId :

VN0529WBSD01

Tot Ion:	128	Resp:	138490
Ion Ratio	Lower	Upper	
128	100		
127	12.5	10.0	15.0
129	11.0	8.7	13.1

Manual Integrations
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#92

1,2,3-Trichlorobenzene

Concen: 16.578 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN055880.D

Acq: 29 May 2019 16:13

Tgt Ion:	180	Resp:	55823
Ion Ratio	Lower	Upper	
180	100		
182	95.2	0.0	188.6
145	30.4	0.0	56.8

