

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062519\
 Data File : VN056492.D
 Acq On : 25 Jun 2019 17:21
 Operator : JC/SP
 Sample : K3519-07MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SP-19-LF2MW2MSD

Manual Integrations
 APPROVED

MMDadoda
 6/26/2019 9:28:37 AM

Quant Time: Jun 26 05:05:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 03:45:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	351358	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	547890	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	482858	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	200739	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	190551	48.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.86%	
35) Dibromofluoromethane	7.59	113	170051	49.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.50%	
50) Toluene-d8	10.09	98	628947	47.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.58%	
62) 4-Bromofluorobenzene	12.40	95	216275	48.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	132567	44.559	ug/l	98
3) Chloromethane	2.06	50	169278	41.787	ug/l	98
4) Vinyl Chloride	2.18	62	173375	44.312	ug/l	98
5) Bromomethane	2.52	94	104524m	45.569	ug/l	
6) Chloroethane	2.68	64	102352	45.172	ug/l	95
7) Trichlorofluoromethane	3.00	101	236273	46.684	ug/l	99
8) Diethyl Ether	3.41	74	102914	48.046	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	150818	46.728	ug/l	99
10) Methyl Iodide	3.95	142	204111	46.790	ug/l	99
11) Tert butyl alcohol	4.80	59	195292	297.759	ug/l	99
12) 1,1-Dichloroethene	3.73	96	145503	46.878	ug/l	98
13) Acrolein	3.60	56	112347	203.240	ug/l	100
14) Allyl chloride	4.32	41	252772	48.923	ug/l	99
15) Acrylonitrile	4.99	53	463006	255.174	ug/l	100
16) Acetone	3.82	43	355763	182.348	ug/l	100
17) Carbon Disulfide	4.05	76	295790	41.899	ug/l	100
18) Methyl Acetate	4.33	43	197792	51.792	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	514511	50.096	ug/l	99
20) Methylene Chloride	4.55	84	174014	47.264	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	156979	46.910	ug/l	97
22) Diisopropyl ether	5.96	45	537158	49.503	ug/l	94
23) Vinyl Acetate	5.90	43	2261266	264.214	ug/l	100
24) 1,1-Dichloroethane	5.85	63	306373	49.187	ug/l	100
25) 2-Butanone	6.84	43	608229	235.549	ug/l	98
26) 2,2-Dichloropropane	6.82	77	216990	50.088	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	195694	49.984	ug/l	98
28) Bromochloromethane	7.19	49	145383	47.188	ug/l	99
29) Tetrahydrofuran	7.21	42	408762	259.041	ug/l	99
30) Chloroform	7.37	83	306377	49.848	ug/l	98
31) Cyclohexane	7.65	56	264670	44.014	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	243973	50.078	ug/l	100
36) 1,1-Dichloropropene	7.79	75	217231	45.046	ug/l	98
37) Ethyl Acetate	6.93	43	238733	50.374	ug/l	99
38) Carbon Tetrachloride	7.77	117	202422	48.000	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	260827	43.833	ug/l	99
40) Benzene	8.04	78	692453	46.681	ug/l	99
41) Methacrylonitrile	7.18	41	97511	46.595	ug/l	98
42) 1,2-Dichloroethane	8.12	62	230425	47.069	ug/l	100
43) Isopropyl Acetate	8.17	43	397058	54.334	ug/l	98
44) Trichloroethene	8.83	130	186437	46.658	ug/l	97
45) 1,2-Dichloropropane	9.12	63	190971	48.139	ug/l	98
46) Dibromomethane	9.21	93	121538	48.969	ug/l	99
47) Bromodichloromethane	9.40	83	224762	51.060	ug/l	99
48) Methyl methacrylate	9.20	41	179181	48.929	ug/l	99
49) 1,4-Dioxane	9.20	88	76166	1002.247	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	1174962	249.109	ug/l	99
52) Toluene	10.16	92	424676	46.827	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	241411	47.255	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	273700	51.632	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	183080	50.223	ug/l	99
56) Ethyl methacrylate	10.43	69	273063	51.256	ug/l	99
57) 1,3-Dichloropropane	10.71	76	299419	48.893	ug/l	100
59) 2-Hexanone	10.75	43	816593	235.561	ug/l	99
60) Dibromochloromethane	10.90	129	178810	47.830	ug/l	98
61) 1,2-Dibromoethane	11.00	107	183197	49.205	ug/l	99
64) Tetrachloroethene	10.63	164	169658	44.368	ug/l	99
65) Chlorobenzene	11.43	112	458480	47.254	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	171507	52.302	ug/l	99
67) Ethyl Benzene	11.51	91	802758	47.121	ug/l	100
68) m/p-Xylenes	11.62	106	597427	95.691	ug/l	99
69) o-Xylene	11.95	106	293647	47.541	ug/l	100
70) Stvrene	11.96	104	491065	49.738	ug/l	99
71) Bromoform	12.13	173	123767	46.988	ug/l #	99
73) Isopropylbenzene	12.25	105	783269	52.060	ug/l	100
74) N-amyl acetate	12.07	43	303776	47.549	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	255272	54.996	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	217325m	52.212	ug/l	
77) Bromobenzene	12.53	156	205580	45.801	ug/l	98
78) n-propylbenzene	12.59	91	843193	45.868	ug/l	100
79) 2-Chlorotoluene	12.67	91	513844	51.028	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	646024	51.190	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	64121	54.752	ug/l	94
82) 4-Chlorotoluene	12.77	91	503489	46.387	ug/l	100
83) tert-Butylbenzene	12.99	119	573359	52.206	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	617375	45.685	ug/l	99
85) sec-Butylbenzene	13.17	105	727781	45.043	ug/l	100
86) p-Isopropyltoluene	13.29	119	638424	46.041	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	324384	47.688	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	310673	47.159	ug/l	99
89) n-Butylbenzene	13.61	91	469290	44.706	ug/l	100
90) Hexachloroethane	13.87	117	108258	50.077	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	323357	47.914	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	39202	52.779	ug/l	98
93) 1,2,4-Trichlorobenzene	14.91	180	136586	40.114	ug/l	99

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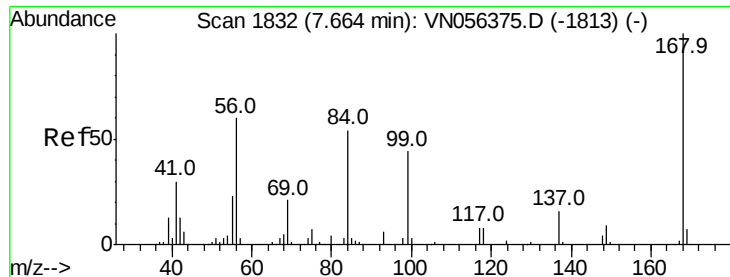
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.01	225	112233	49.037	ug/l	99
95) Naphthalene	15.13	128	383270	42.595	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	155317	43.310	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056492.D

Acq: 25 Jun 2019 17:21

Instrument :

MSVOA_N

ClientSampleId :

SP-19-LF2MW2MSD

Tot Ion:168 Resp: 351358

Ion Ratio Lower Upper

168 100

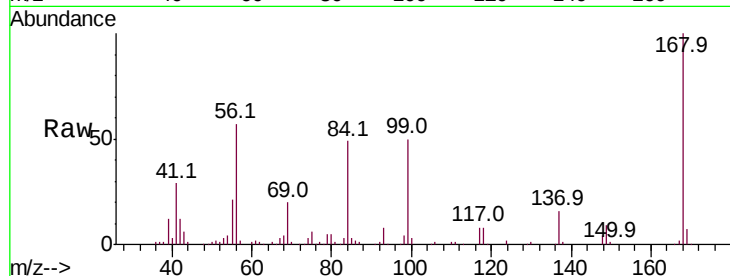
99 49.1 40.6 61.0

Manual Integrations

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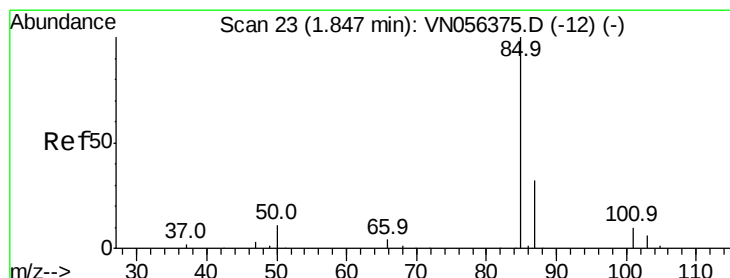
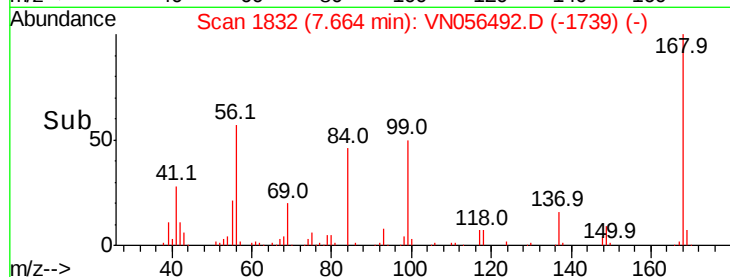
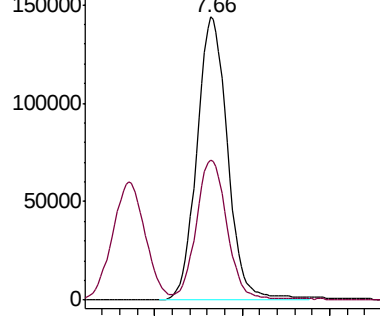
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 44.559 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN056492.D

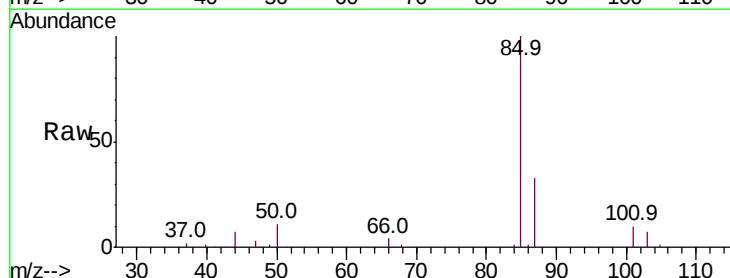
Acq: 25 Jun 2019 17:21

Tgt Ion: 85 Resp: 132567

Ion Ratio Lower Upper

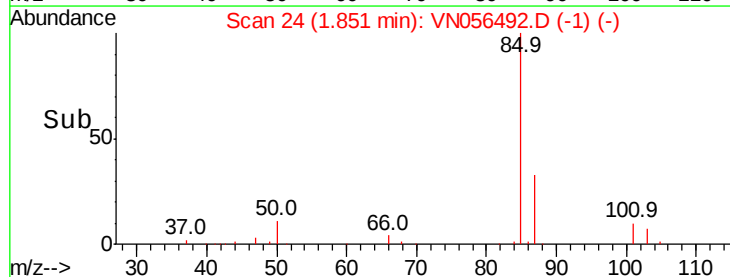
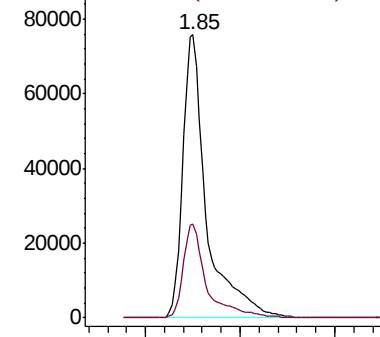
85 100

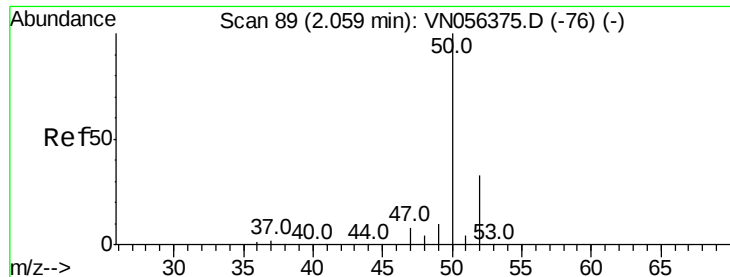
87 33.3 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 41.787 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN056492.D

Acq: 25 Jun 2019 17:21

Instrument :

MSVOA_N

ClientSampleId :

SP-19-LF2MW2MSD

Tot Ion: 50 Resp: 169278

Ion Ratio Lower Upper

50 100

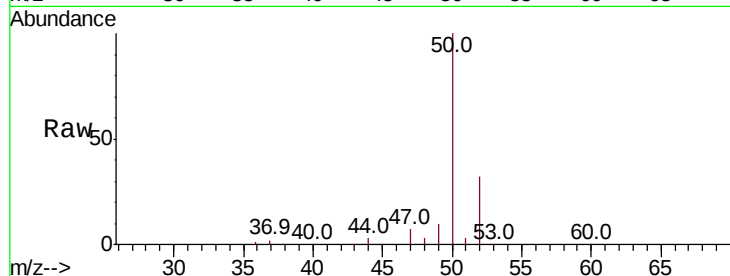
52 31.7 26.5 39.7

Manual Integrations

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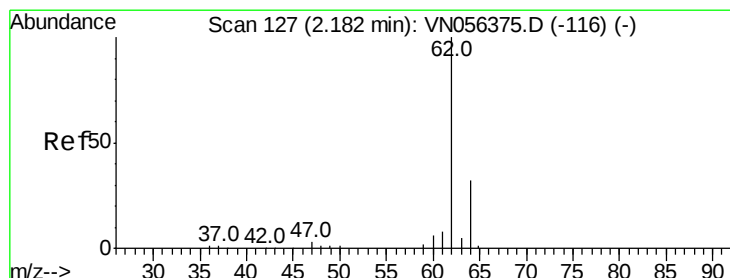
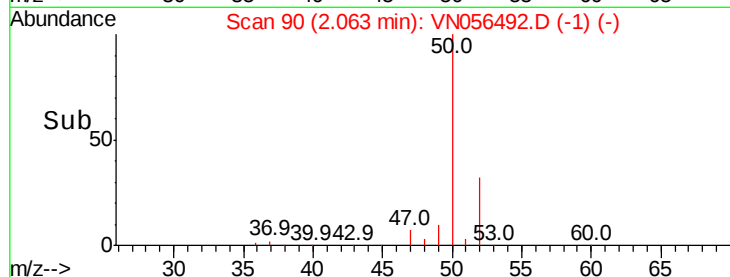
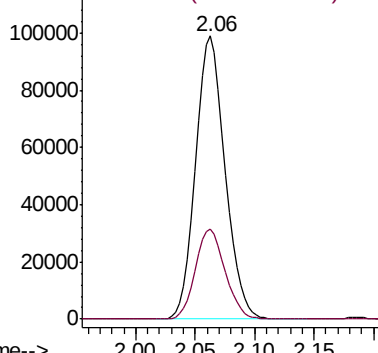
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 44.312 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN056492.D

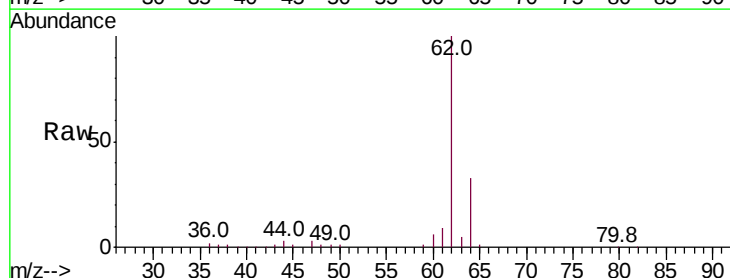
Acq: 25 Jun 2019 17:21

Tgt Ion: 62 Resp: 173375

Ion Ratio Lower Upper

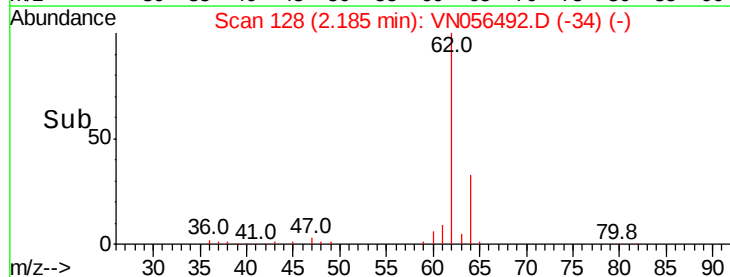
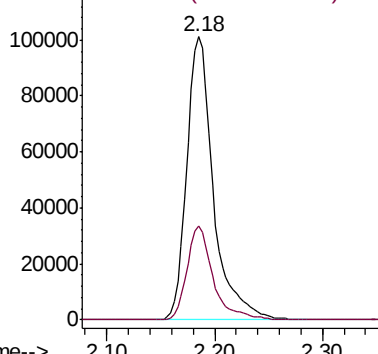
62 100

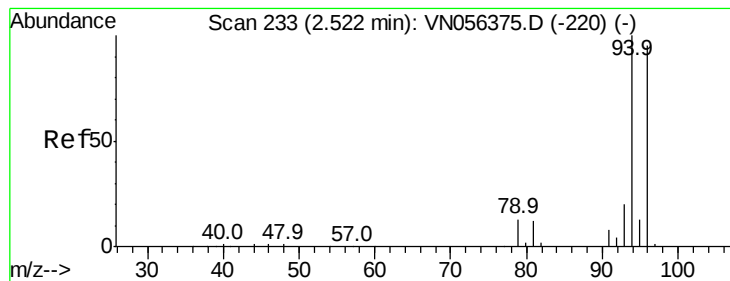
64 33.0 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 45.569 ug/l m

RT: 2.52 min Scan# 233

Delta R.T. 0.00 min

Lab File: VN056492.D

Acq: 25 Jun 2019 17:21

Instrument :

MSVOA_N

ClientSampleId :

SP-19-LF2MW2MSD

Tot Ion: 94 Resp: 104524

Ion Ratio Lower Upper

94 100

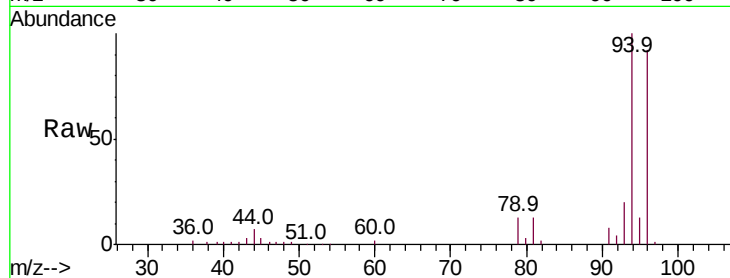
96 91.7 76.0 114.0

Manual Integrations

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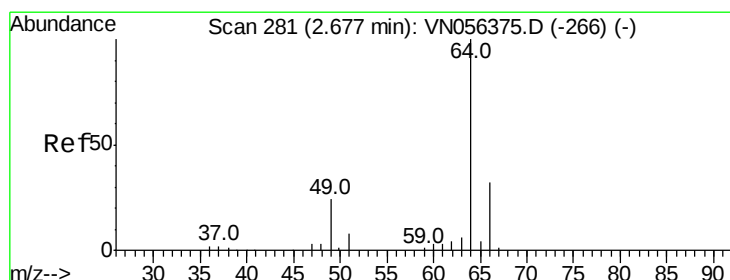
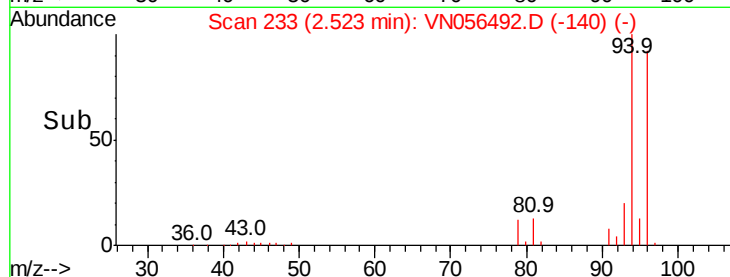
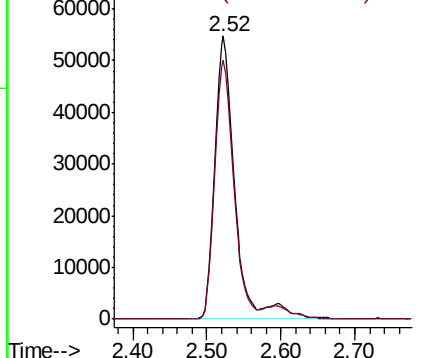
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 45.172 ug/l

RT: 2.68 min Scan# 281

Delta R.T. 0.00 min

Lab File: VN056492.D

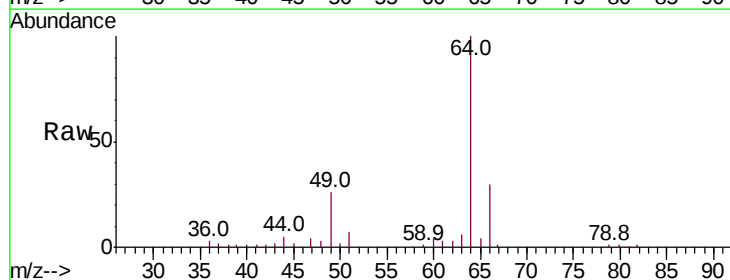
Acq: 25 Jun 2019 17:21

Tgt Ion: 64 Resp: 102352

Ion Ratio Lower Upper

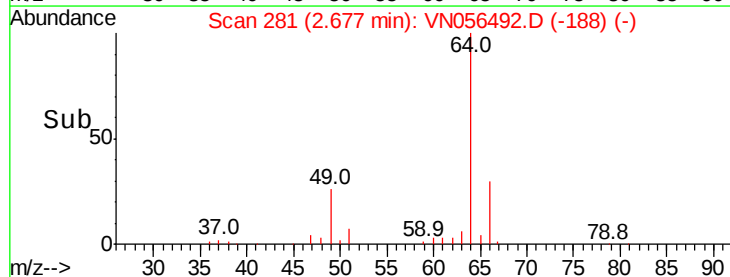
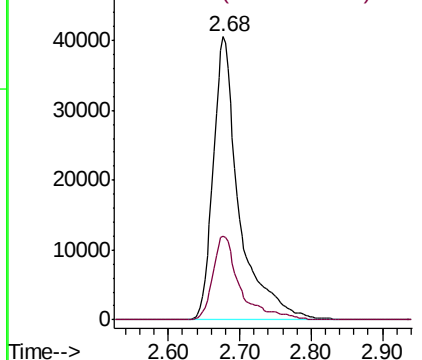
64 100

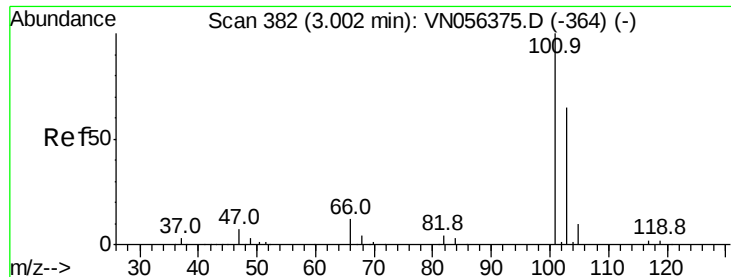
66 29.6 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

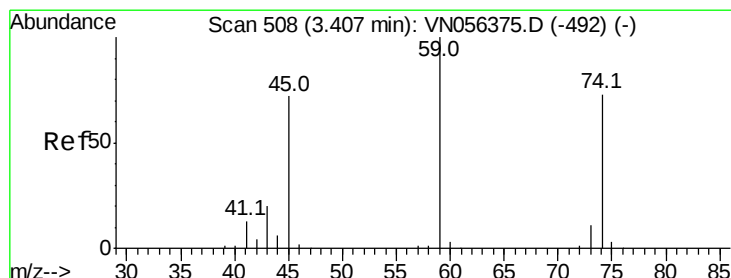
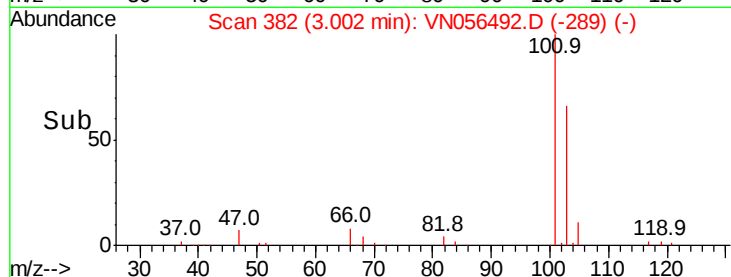
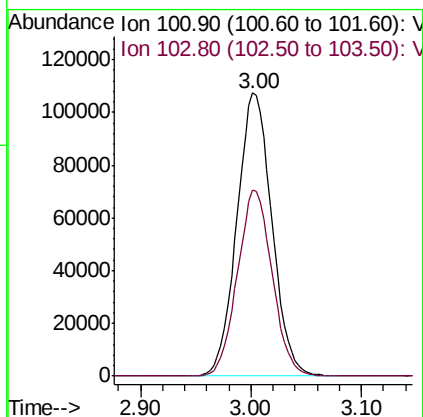
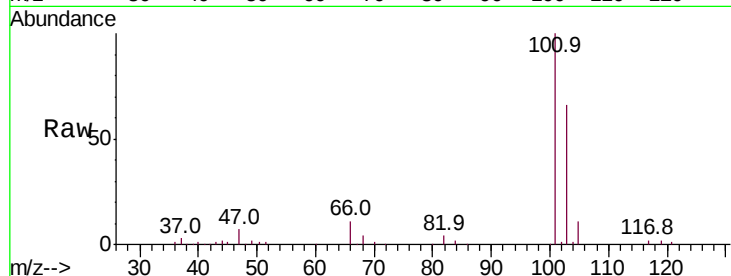
Trichlorofluoromethane
Concen: 46.684 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN056492.D
Acq: 25 Jun 2019 17:21

Instrument :
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SP-19-LF2MW2MSD

Tot Ion:101 Resp: 236273
Ion Ratio Lower Upper
101 100
103 65.7 51.7 77.5

Manual Integrations
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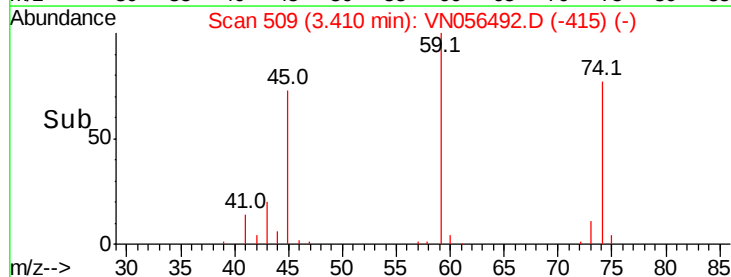
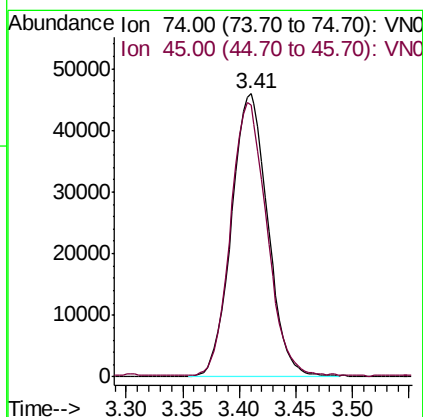
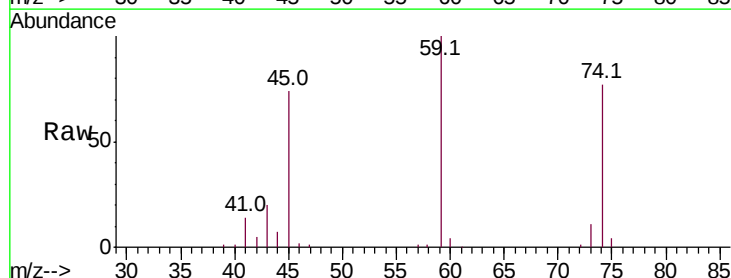
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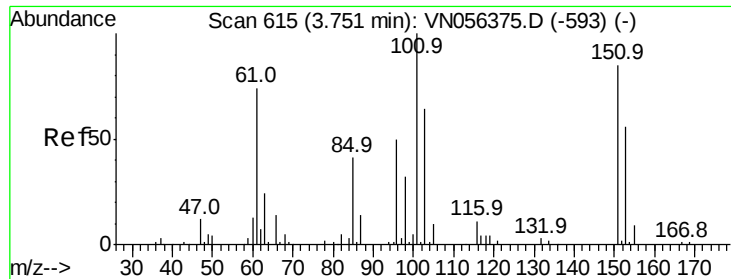


#8

Diethyl Ether
Concen: 48.046 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN056492.D
Acq: 25 Jun 2019 17:21

Tgt Ion: 74 Resp: 102914
Ion Ratio Lower Upper
74 100
45 96.0 48.9 146.6





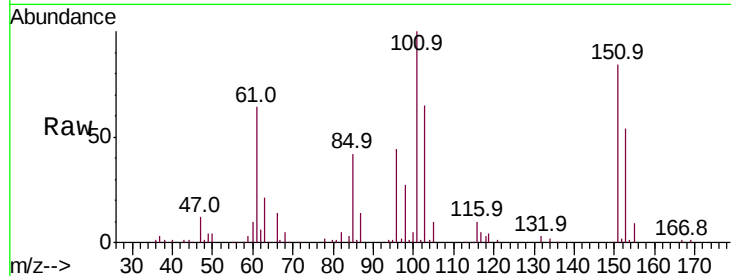
#9
1,1,2-Trichlorotrifluoroethane
Concen: 46.728 ug/l
RT: 3.75 min Scan# 616
Delta R.T. 0.00 min
Lab File: VN056492.D
Acq: 25 Jun 2019 17:21

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MSVOA_N
ClientSampleId :
SP-19-LF2MW2MSD

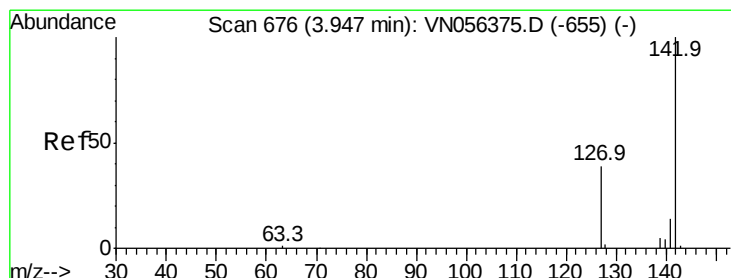
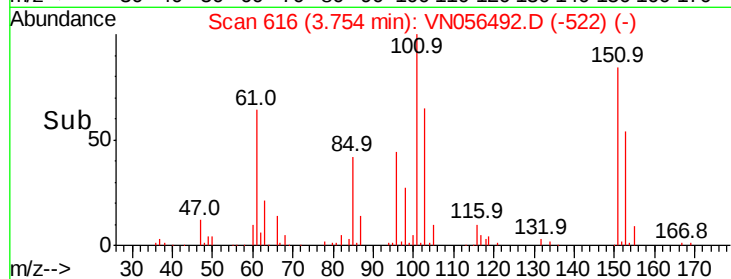
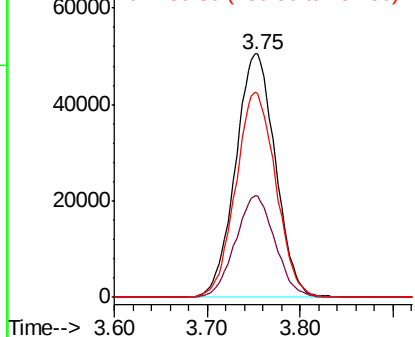
Tot Ion	Ratio	Lower	Upper
101	100		
85	41.5	32.7	49.1
151	84.6	66.8	100.2

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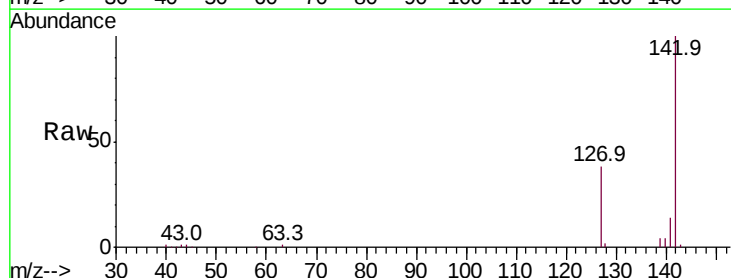


Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V

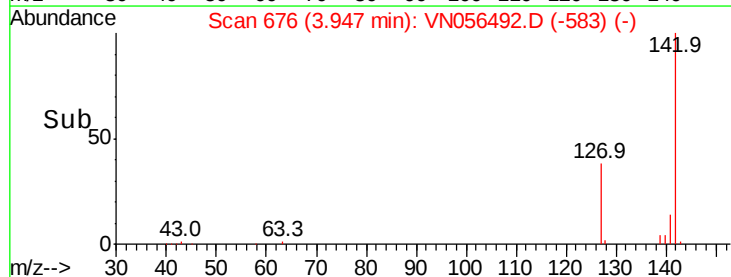
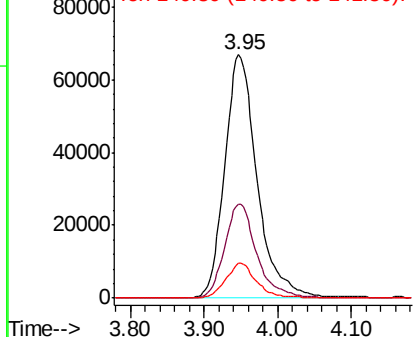


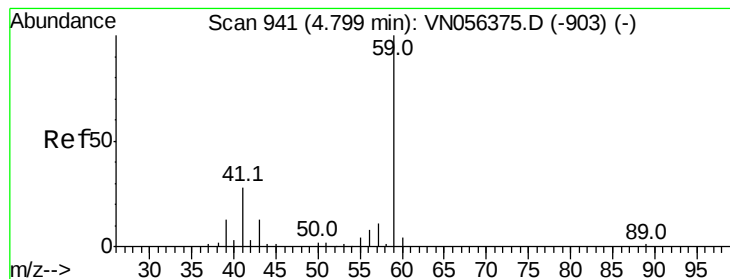
#10
Methyl Iodide
Concen: 46.790 ug/l
RT: 3.95 min Scan# 676
Delta R.T. 0.00 min
Lab File: VN056492.D
Acq: 25 Jun 2019 17:21

Tgt Ion	Ratio	Lower	Upper
142	100		
127	38.6	30.6	46.0
141	13.7	11.4	17.2



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

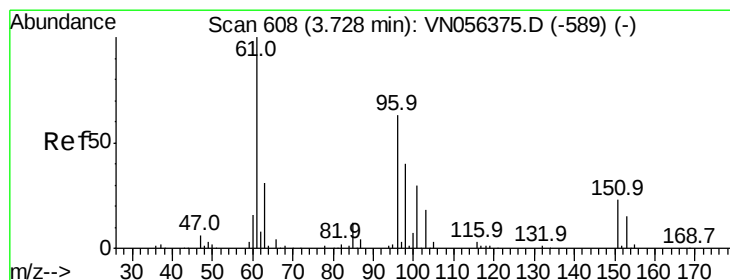
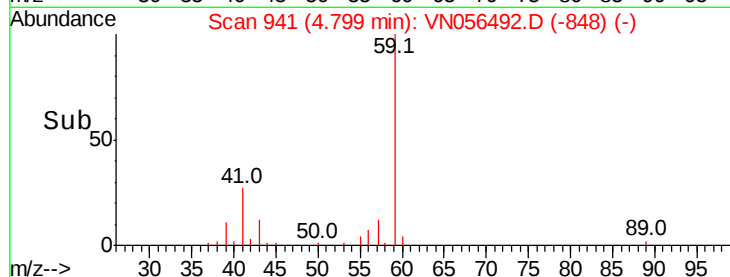
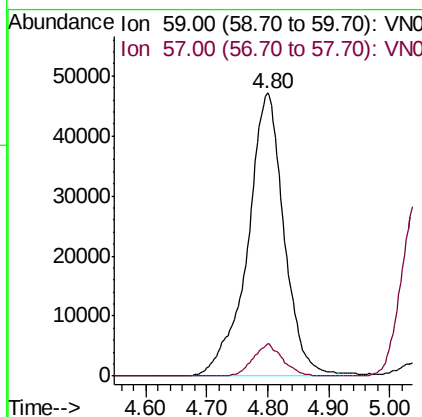
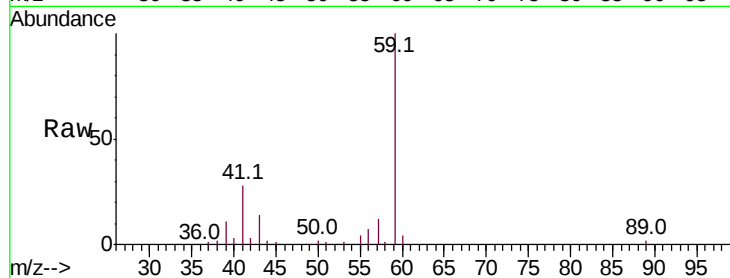
Tert butyl alcohol
 Concen: 297.759 ug/l
 RT: 4.80 min Scan# 941
 Delta R.T. 0.00 min
 Lab File: VN056492.D
 Acq: 25 Jun 2019 17:21

Instrument :
 MSVOA_N
 ClientSampleId :
 SP-19-LF2MW2MSD

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.3	7.6	11.4

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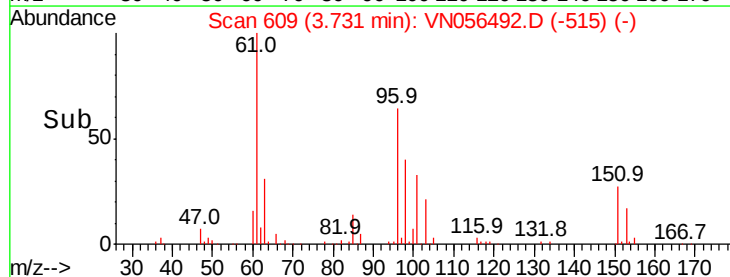
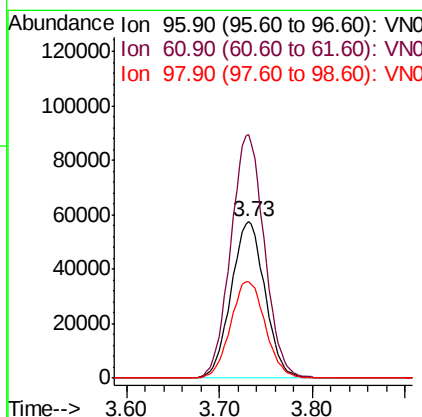
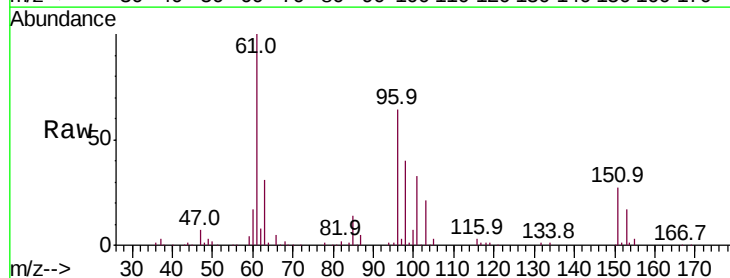
MMDadoda
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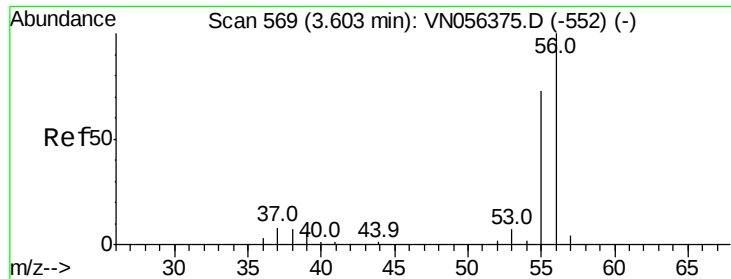


#12

1,1-Dichloroethene
 Concen: 46.878 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. 0.00 min
 Lab File: VN056492.D
 Acq: 25 Jun 2019 17:21

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.8	126.6	190.0
98	61.8	51.1	76.7





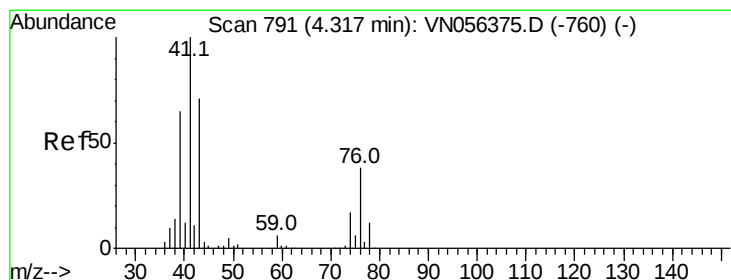
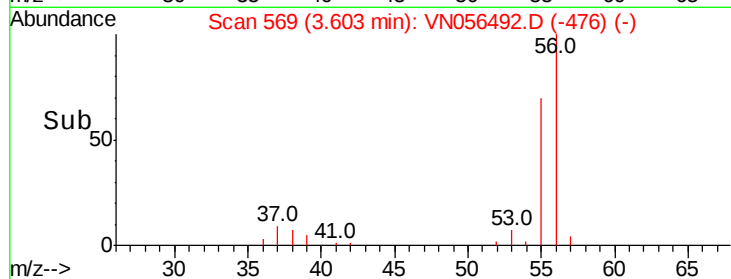
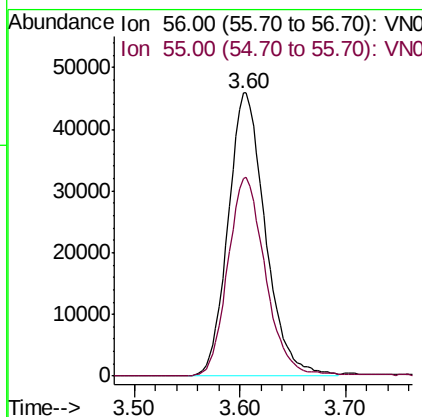
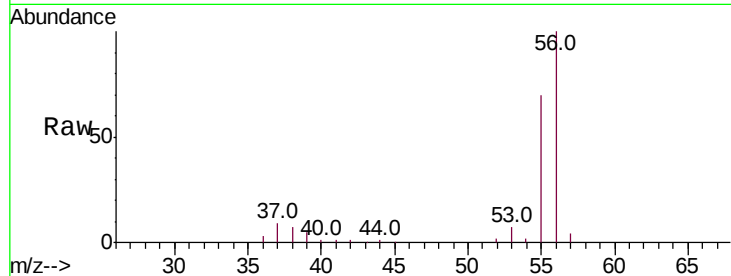
#13
Acrolein
Concen: 203.240 ug/l
RT: 3.60 min Scan# 569
Delta R.T. 0.00 min
Lab File: VN056492.D
Acq: 25 Jun 2019 17:21

Instrument :
MSVOA_N
ClientSampleId :
SP-19-LF2MW2MSD

Tot Ion: 56 Resp: 112347
Ion Ratio Lower Upper
56 100
55 71.0 57.1 85.7

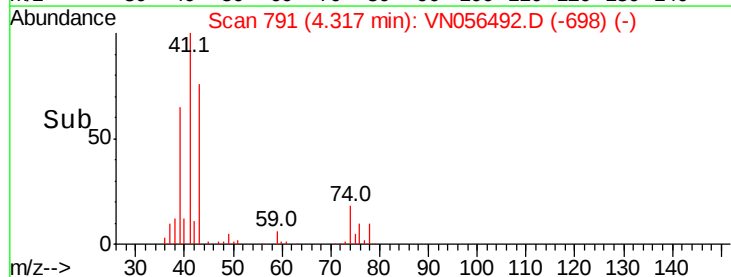
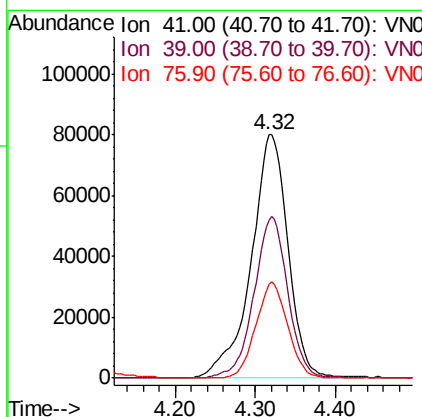
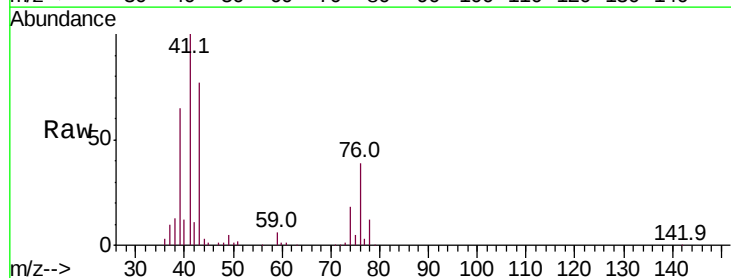
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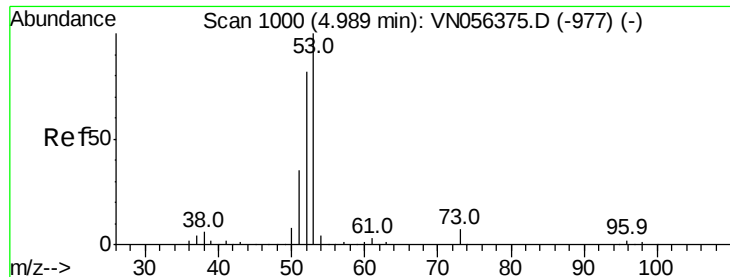
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#14
Allyl chloride
Concen: 48.923 ug/l
RT: 4.32 min Scan# 791
Delta R.T. 0.00 min
Lab File: VN056492.D
Acq: 25 Jun 2019 17:21

Tgt Ion: 41 Resp: 252772
Ion Ratio Lower Upper
41 100
39 61.0 48.6 73.0
76 33.9 26.6 40.0





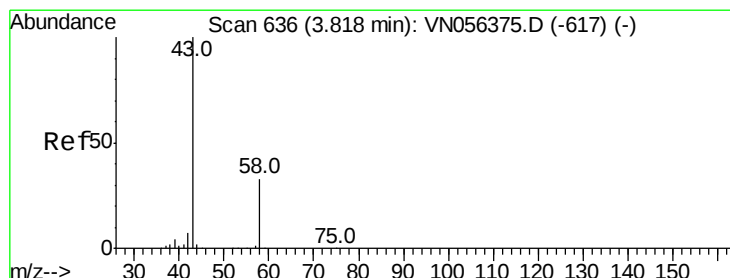
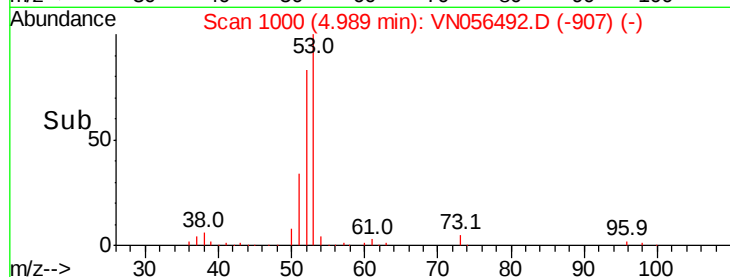
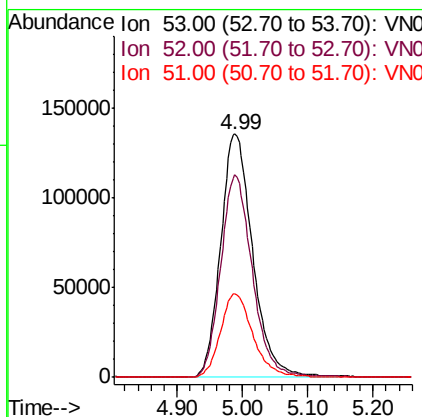
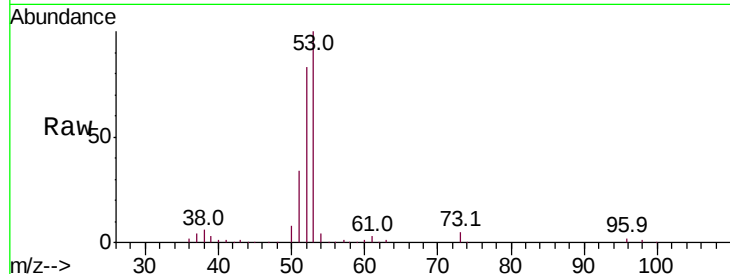
#15
 Acrylonitrile
 Concen: 255.174 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VN056492.D
 Acq: 25 Jun 2019 17:21

Instrument :
 MSVOA_N
 ClientSampleId :
 SP-19-LF2MW2MSD

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.2	65.9	98.9
51	34.9	28.3	42.5

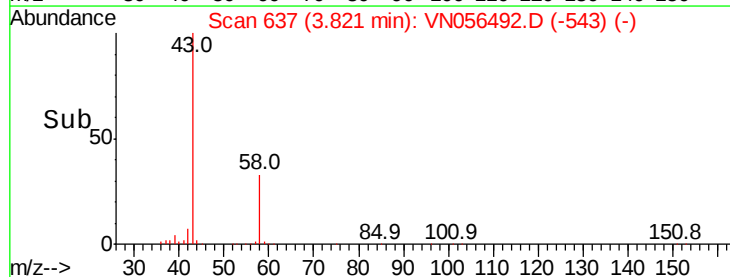
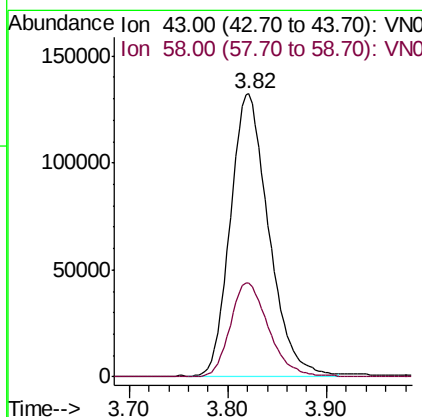
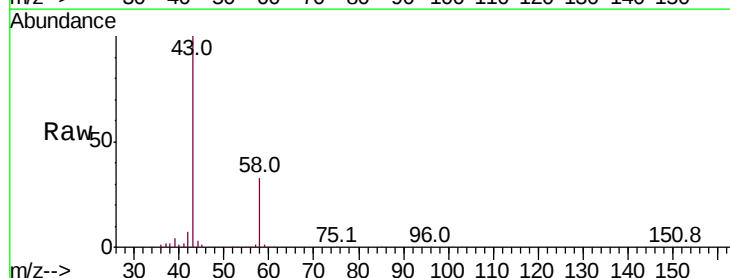
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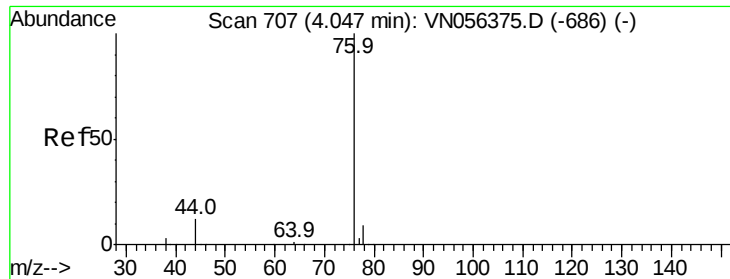
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#16
 Acetone
 Concen: 182.348 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN056492.D
 Acq: 25 Jun 2019 17:21

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.9	26.4	39.6





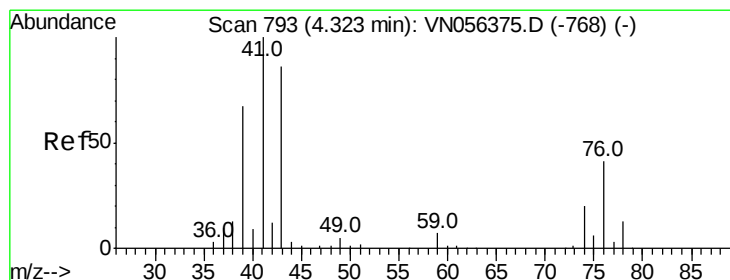
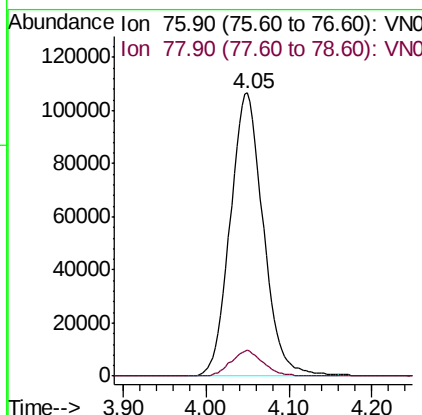
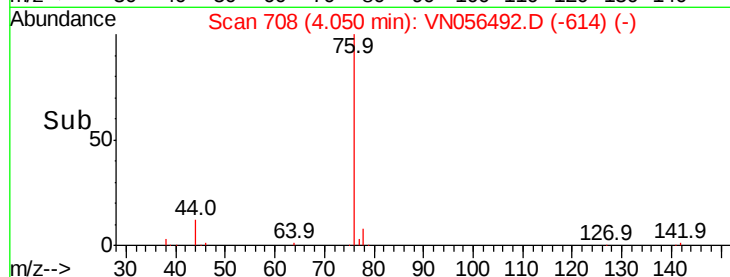
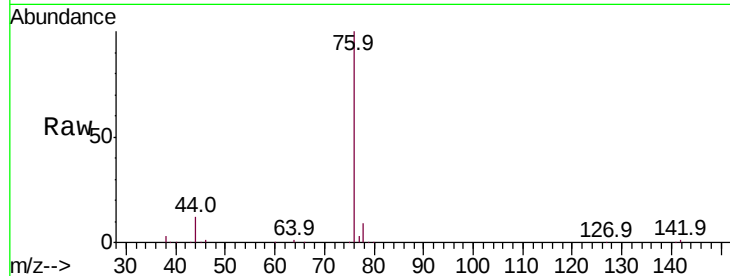
#17
Carbon Disulfide
Concen: 41.899 ug/l
RT: 4.05 min Scan# 708
Delta R.T. 0.00 min
Lab File: VN056492.D
Acq: 25 Jun 2019 17:21

Instrument :
MSVOA_N
ClientSampleId :
SP-19-LF2MW2MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.1	10.7

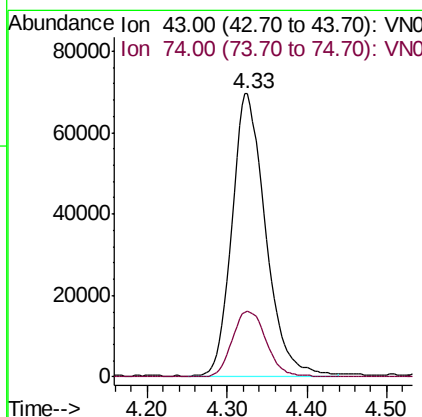
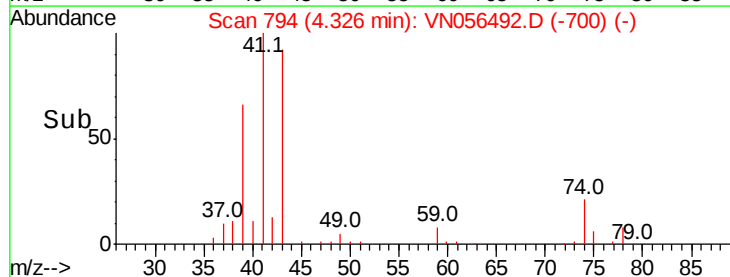
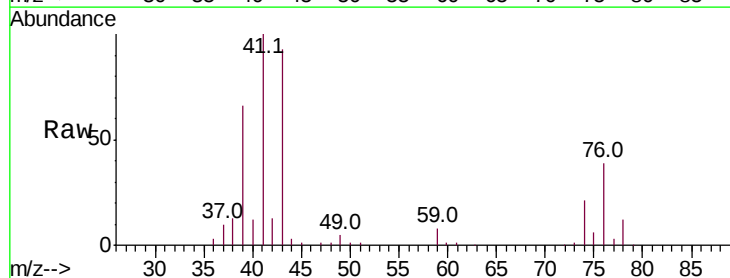
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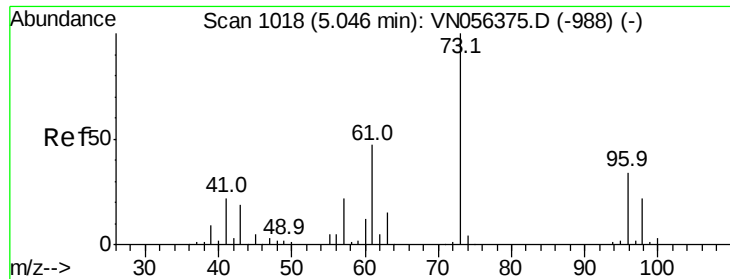
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#18
Methyl Acetate
Concen: 51.792 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056492.D
Acq: 25 Jun 2019 17:21

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.7	19.2	28.8





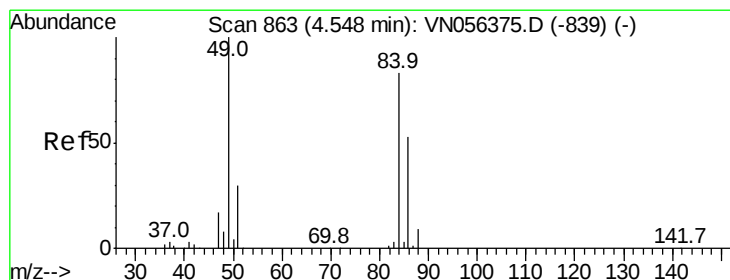
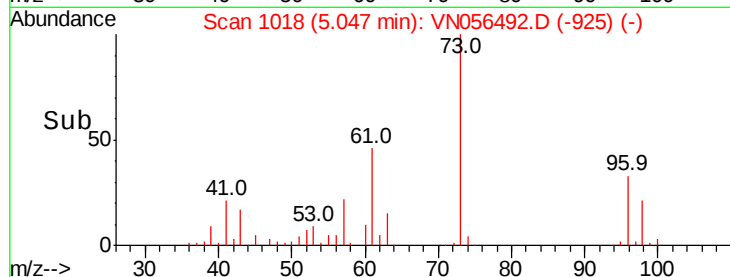
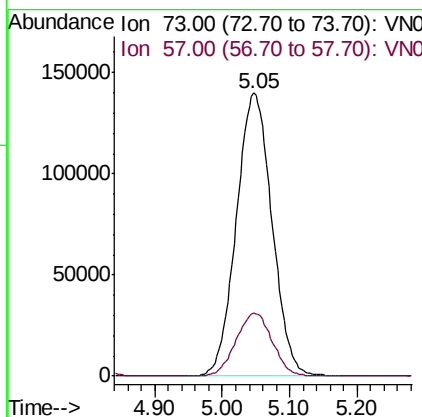
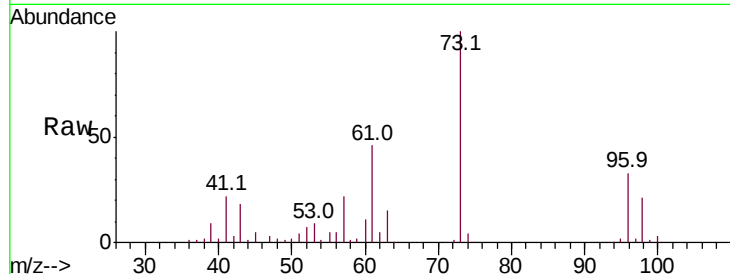
#19
Methvl tert-butvl Ether
Concen: 50.096 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN056492.D
Acq: 25 Jun 2019 17:21

Instrument :
MSVOA_N
ClientSampleId :
SP-19-LF2MW2MSD

Tot Ion: 73 Resp: 514511
Ion Ratio Lower Upper
73 100
57 22.1 17.9 26.9

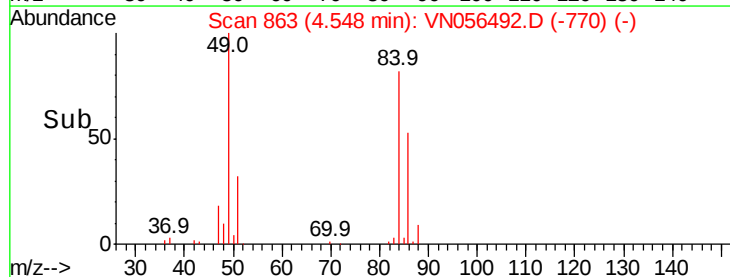
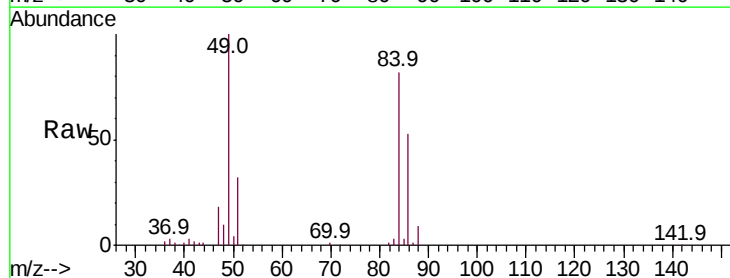
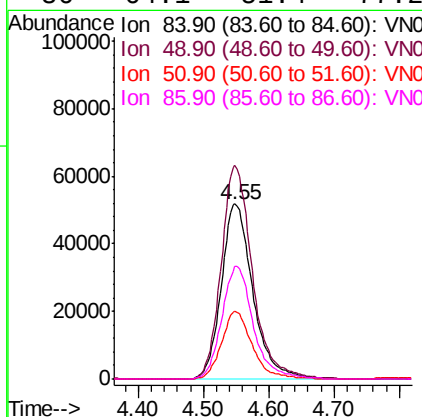
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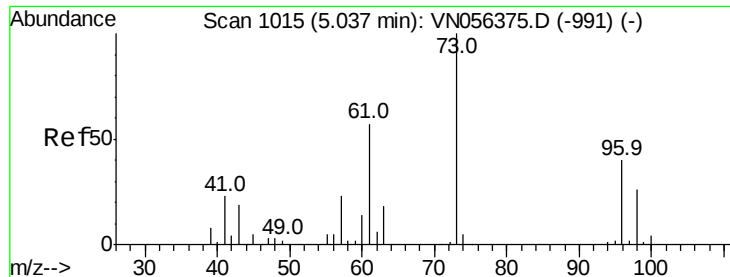
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#20
Methylene Chloride
Concen: 47.264 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN056492.D
Acq: 25 Jun 2019 17:21

Tgt Ion: 84 Resp: 174014
Ion Ratio Lower Upper
84 100
49 121.9 96.4 144.6
51 38.7 28.6 43.0
86 64.1 51.4 77.2





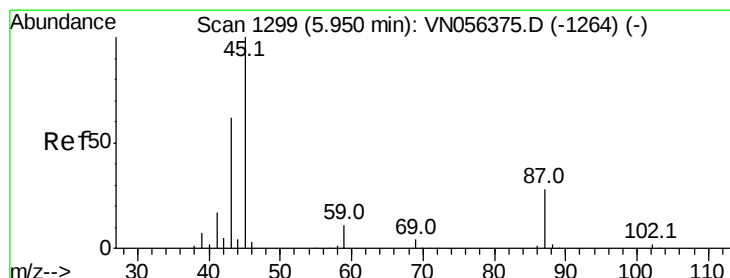
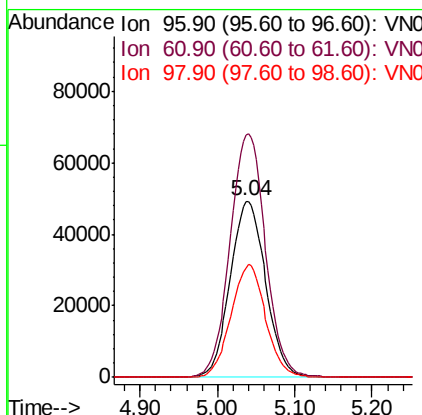
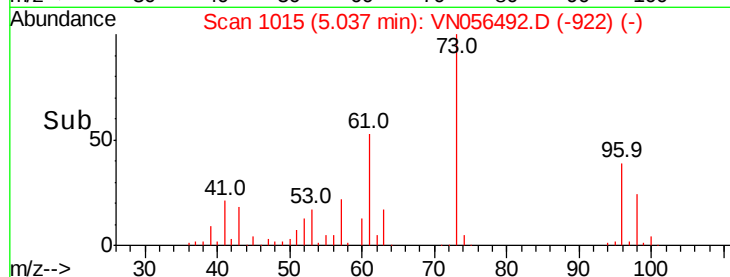
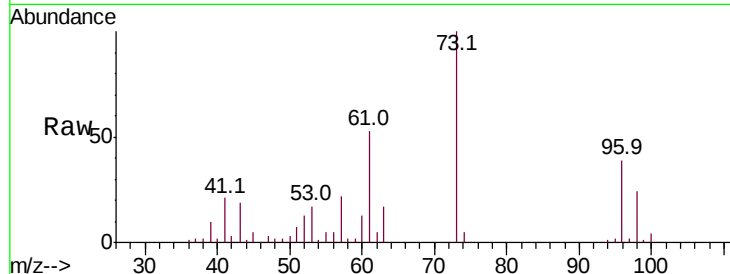
#21
trans-1,2-Dichloroethene
Concen: 46.910 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VN056492.D
Acq: 25 Jun 2019 17:21

Instrument :
MSVOA_N
ClientSampleId :
SP-19-LF2MW2MSD

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.3	113.0	169.6
98	62.1	52.2	78.2

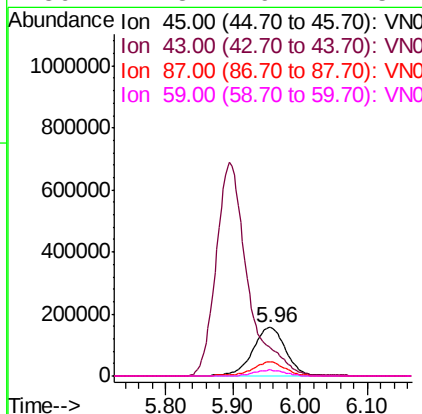
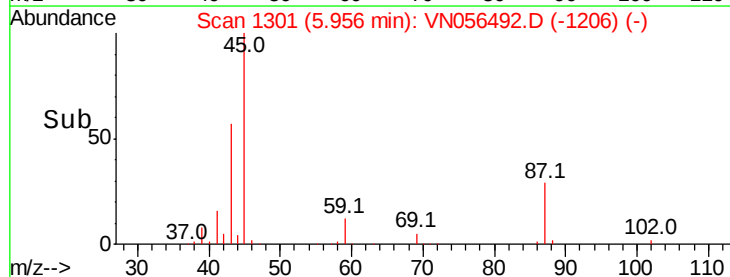
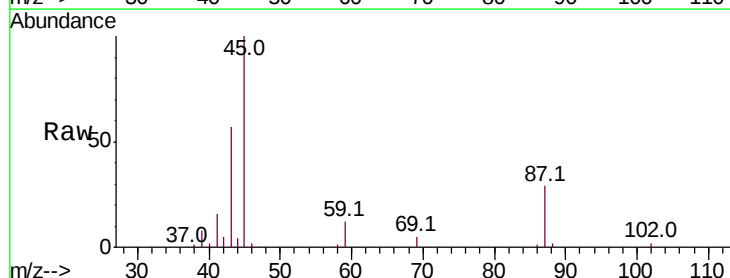
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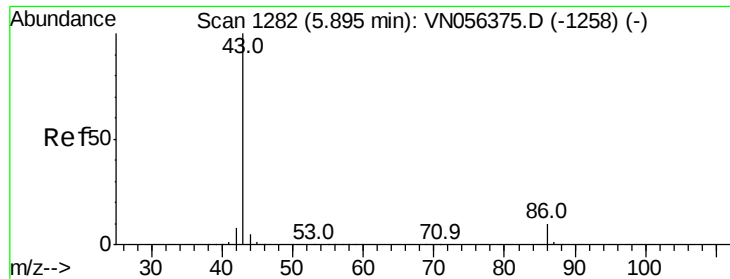
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#22
Diisopropyl ether
Concen: 49.503 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.01 min
Lab File: VN056492.D
Acq: 25 Jun 2019 17:21

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.2	50.4	75.6
87	28.5	23.0	34.4
59	11.8	9.1	13.7





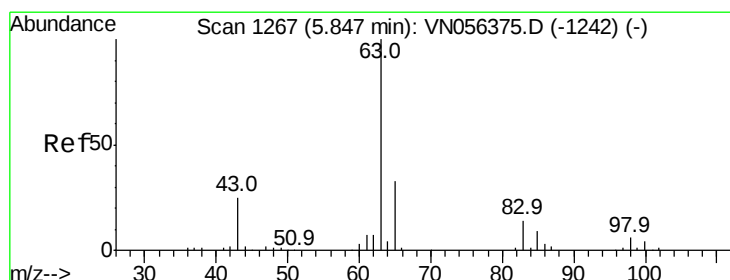
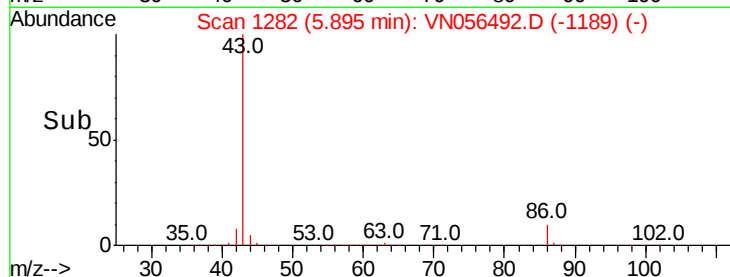
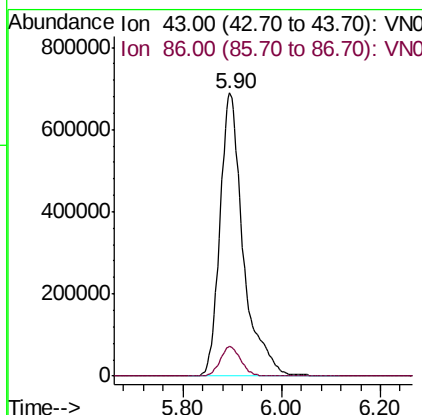
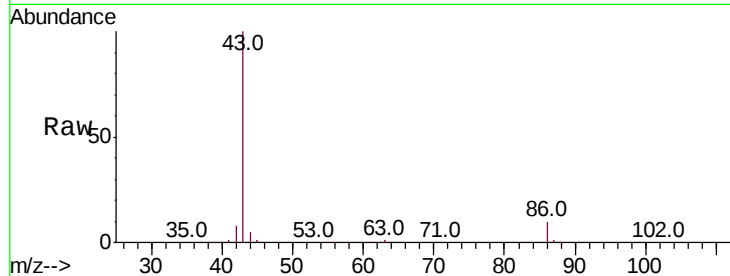
#23
 Vinyl Acetate
 Concen: 264.214 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN056492.D
 Acq: 25 Jun 2019 17:21

Instrument :
 MSVOA_N
 ClientSampleId :
 SP-19-LF2MW2MSD

Tot Ion: 43 Resp: 2261266
 Ion Ratio Lower Upper
 43 100
 86 10.4 8.3 12.5

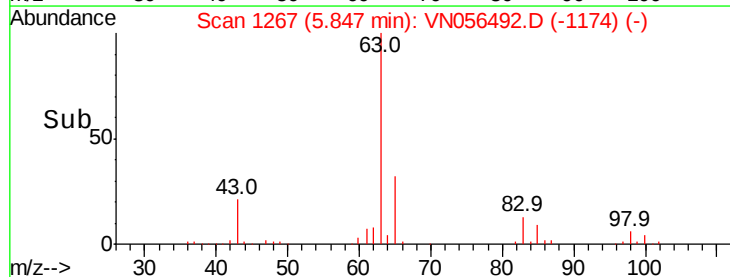
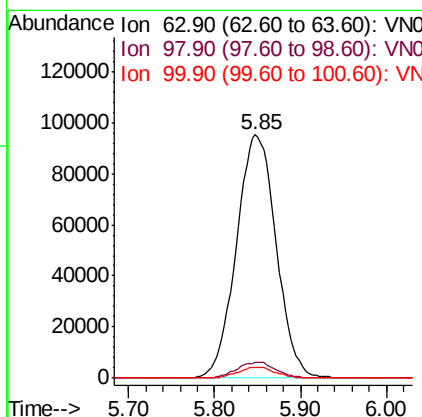
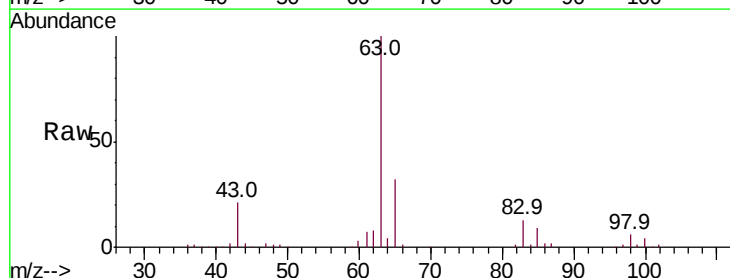
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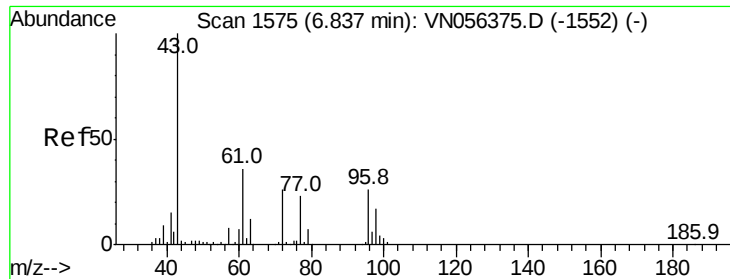
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#24
 1,1-Dichloroethane
 Concen: 49.187 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VN056492.D
 Acq: 25 Jun 2019 17:21

Tgt Ion: 63 Resp: 306373
 Ion Ratio Lower Upper
 63 100
 98 6.4 3.2 9.6
 100 4.4 2.1 6.5





#25

2-Butanone

Concen: 235.549 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN056492.D

Acq: 25 Jun 2019 17:21

Instrument :

MSVOA_N

ClientSampleId :

SP-19-LF2MW2MSD

Tot Ion: 43 Resp: 608229

Ion Ratio Lower Upper

43 100

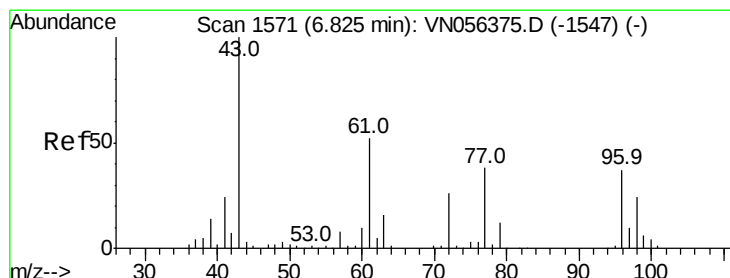
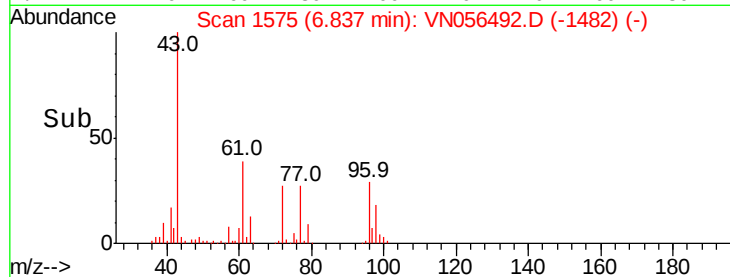
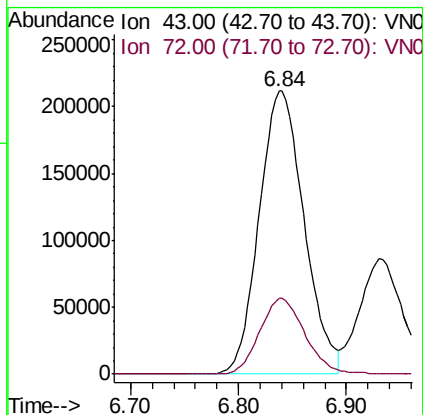
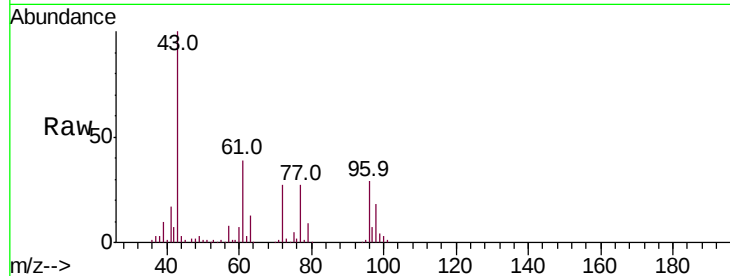
72 26.8 20.6 31.0

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#26

2,2-Dichloropropane

Concen: 50.088 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN056492.D

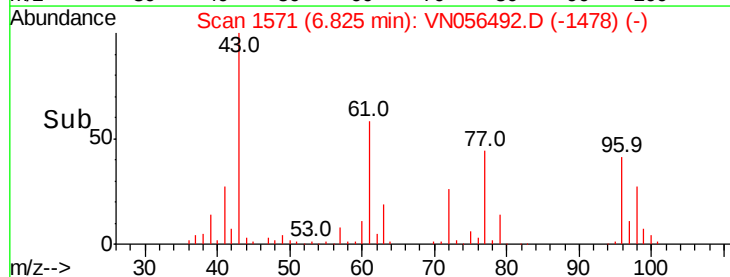
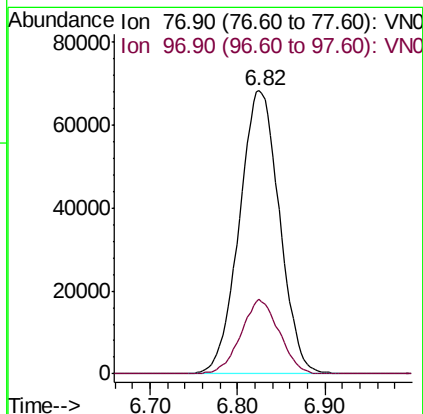
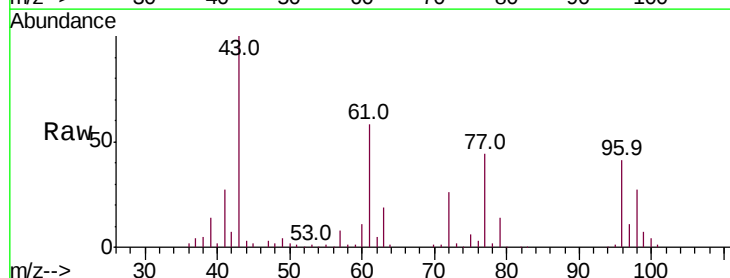
Acq: 25 Jun 2019 17:21

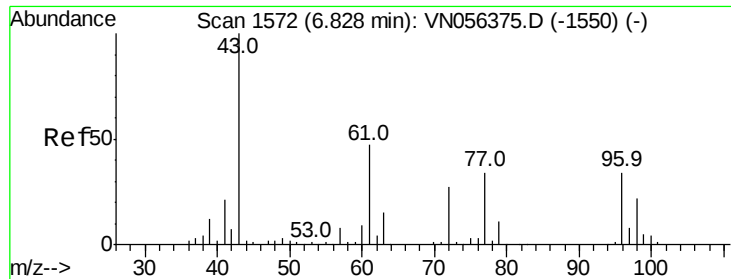
Tgt Ion: 77 Resp: 216990

Ion Ratio Lower Upper

77 100

97 25.1 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 49.984 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN056492.D

Acq: 25 Jun 2019 17:21

Instrument :

MSVOA_N

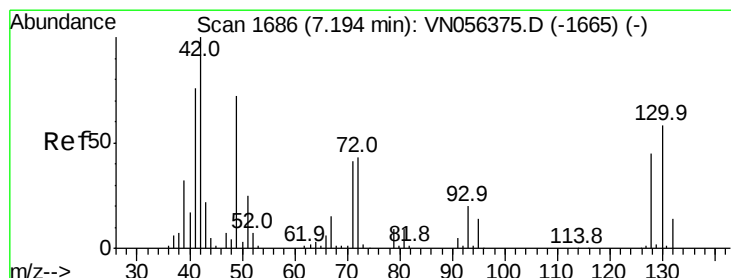
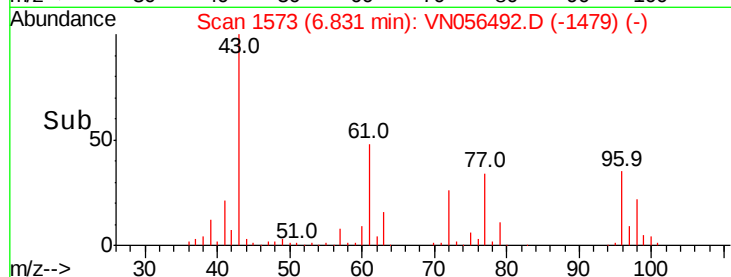
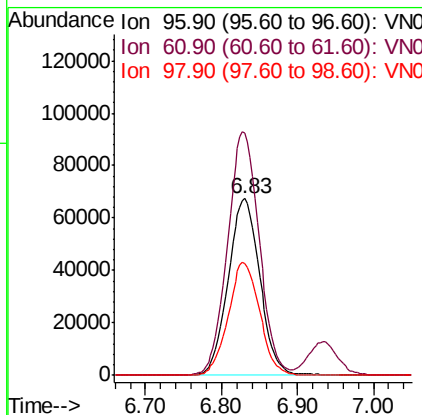
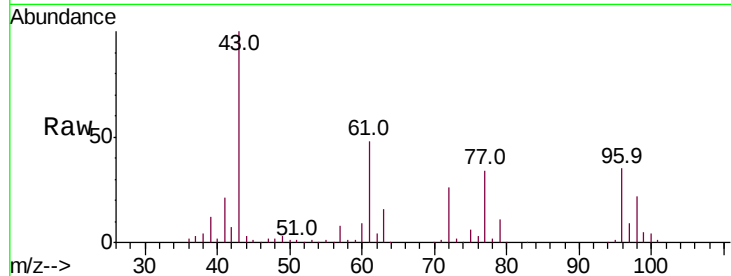
ClientSampleId :

SP-19-LF2MW2MSD

Tot Ion:	96	Resp:	195694
Ion	Ratio	Lower	Upper
96	100		
61	137.4	0.0	279.8
98	63.3	0.0	130.0

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#28

Bromochloromethane

Concen: 47.188 ug/l

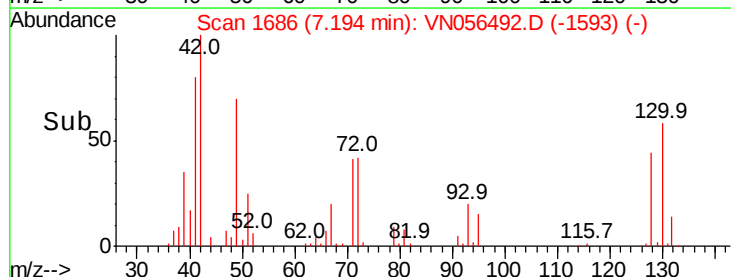
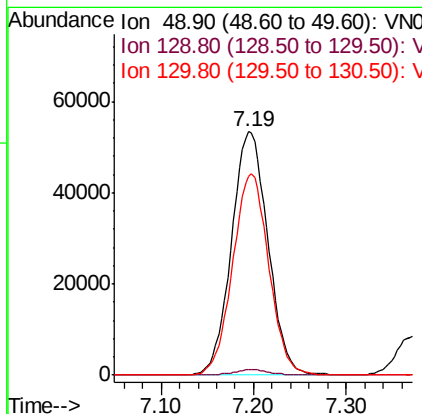
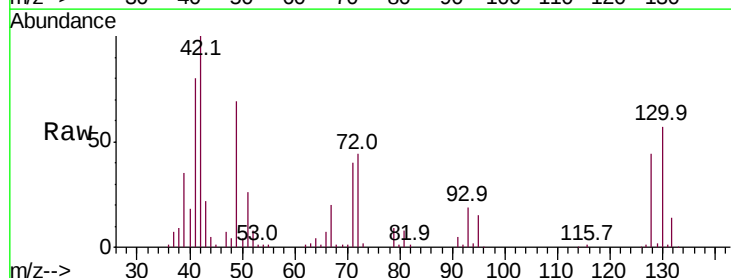
RT: 7.19 min Scan# 1686

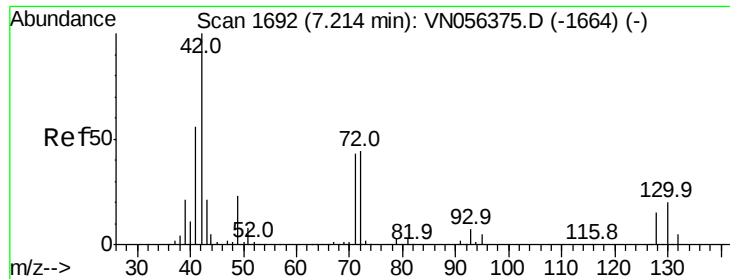
Delta R.T. 0.00 min

Lab File: VN056492.D

Acq: 25 Jun 2019 17:21

Tgt Ion:	49	Resp:	145383
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.2
130	82.1	64.9	97.3





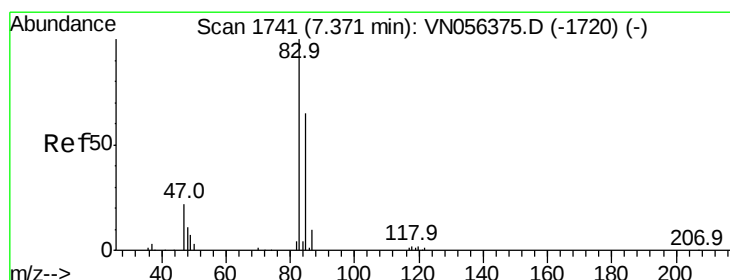
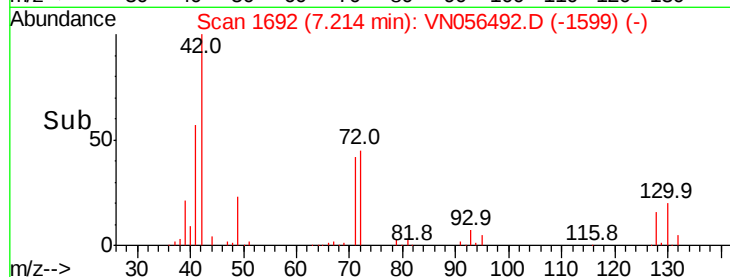
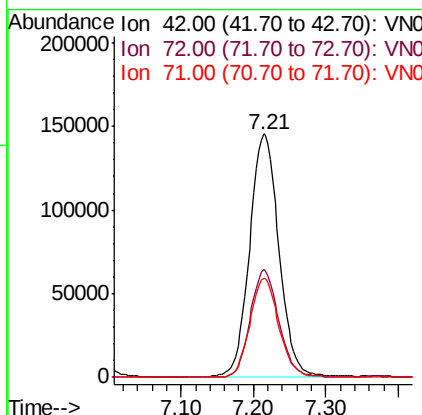
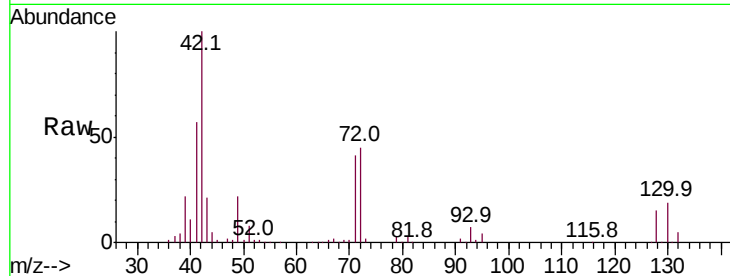
#29
Tetrahydrofuran
Concen: 259.041 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN056492.D
Acq: 25 Jun 2019 17:21

Instrument :
MSVOA_N
ClientSampleId :
SP-19-LF2MW2MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.1	34.7	52.1
71	40.2	33.0	49.6

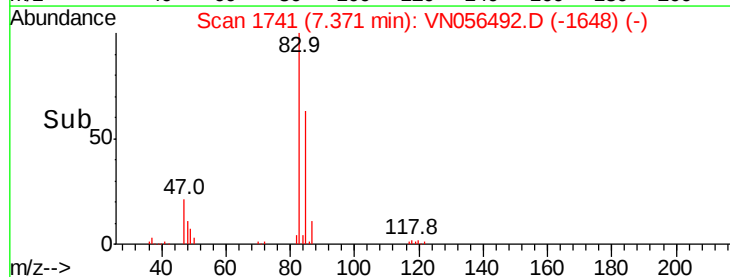
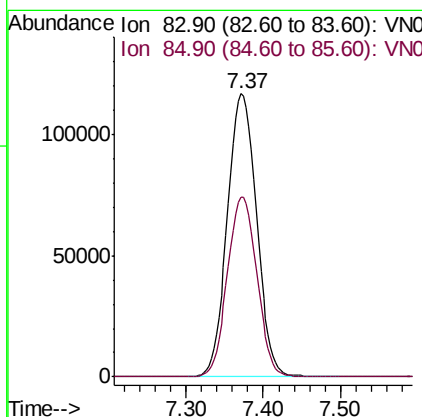
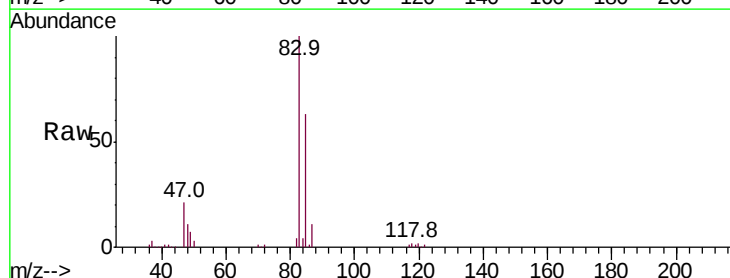
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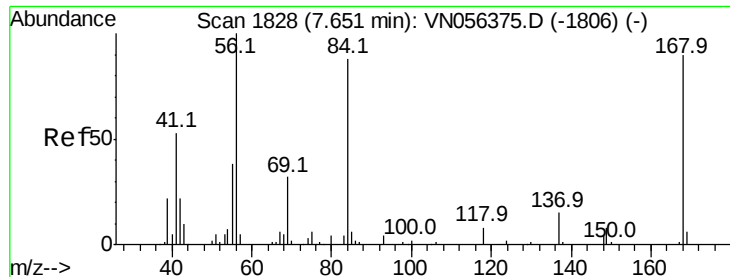
MMDadoda
6/26/2019 9:28:37 AM



#30
Chloroform
Concen: 49.848 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056492.D
Acq: 25 Jun 2019 17:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	52.3	78.5





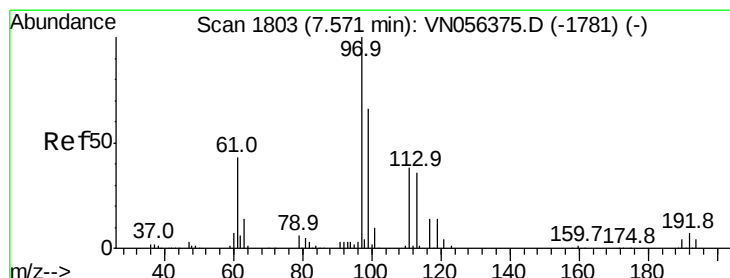
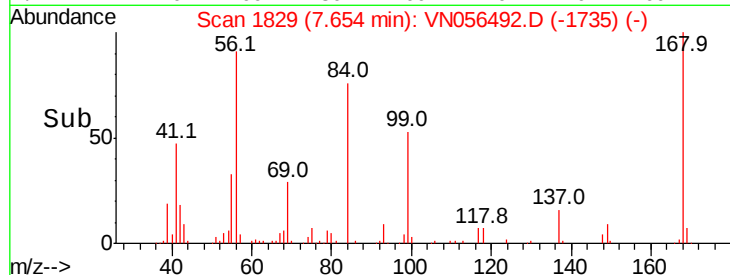
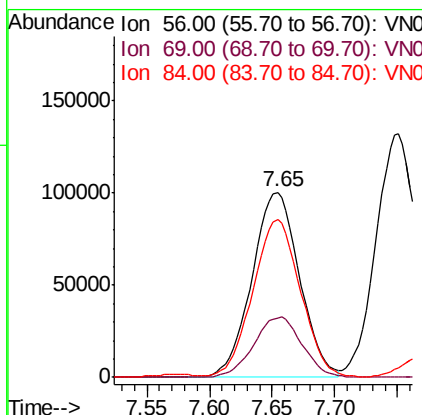
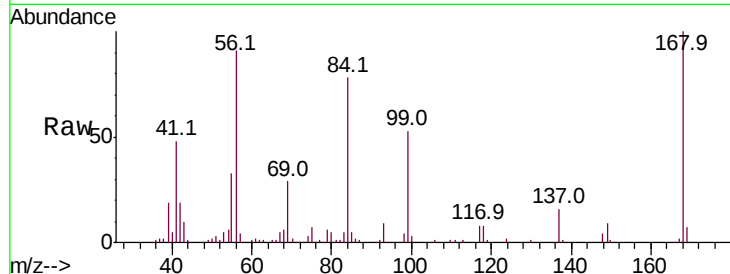
#31
Cyclohexane
Concen: 44.014 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN056492.D
Acq: 25 Jun 2019 17:21

Instrument :
MSVOA_N
ClientSampleId :
SP-19-LF2MW2MSD

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.3	25.8	38.6
84	84.4	69.4	104.0

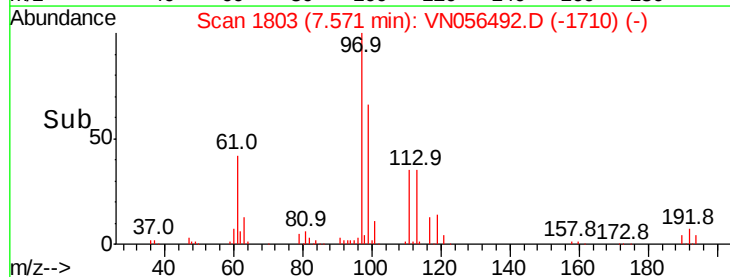
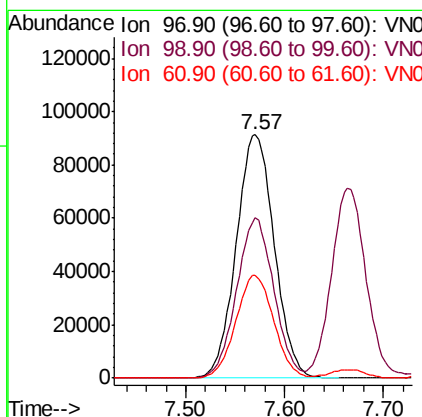
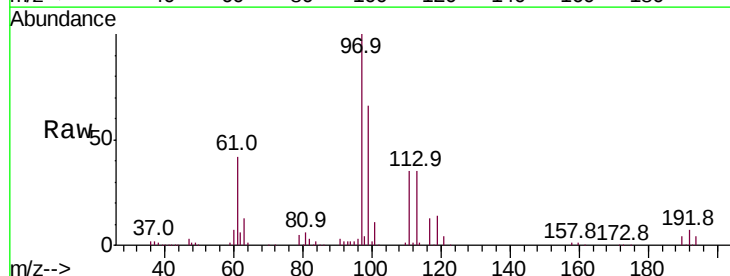
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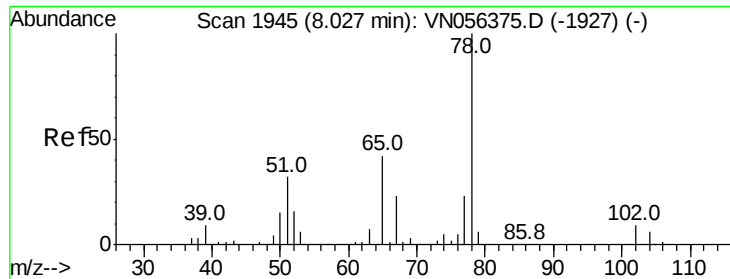
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 50.078 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN056492.D
Acq: 25 Jun 2019 17:21

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.8	77.6
61	42.1	33.9	50.9





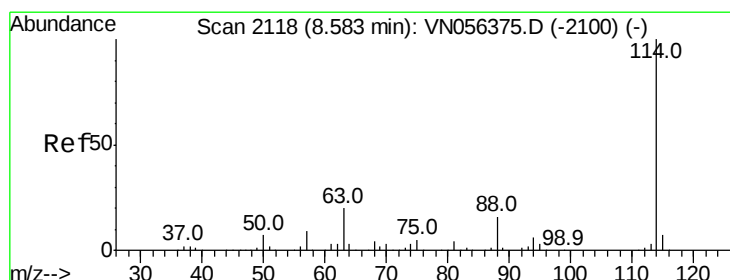
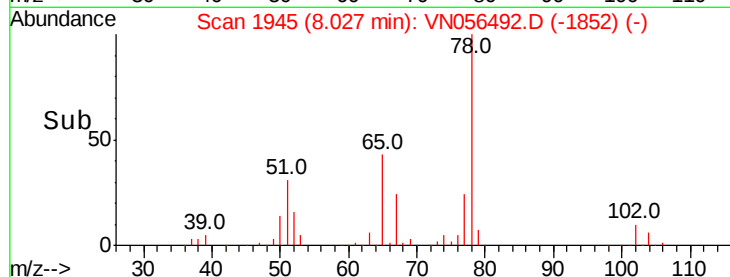
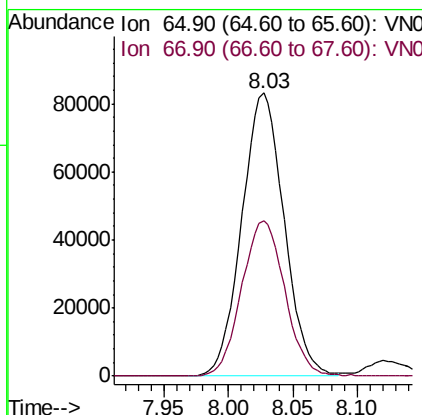
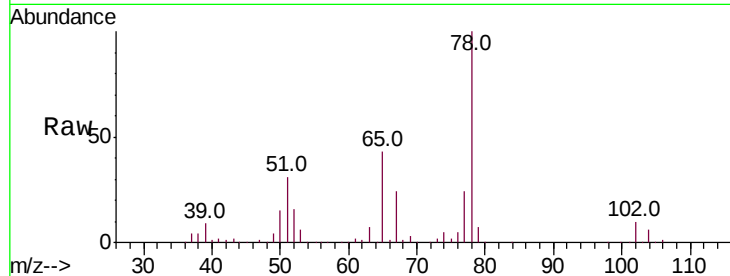
#33
 1,2-Dichloroethane-d4
 Concen: 48.933 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056492.D
 Acq: 25 Jun 2019 17:21

Instrument :
 MSVOA_N
 ClientSampleId :
 SP-19-LF2MW2MSD

Tot Ion	Ratio	Resp	Lower	Upper
65	100	190551		
67	55.7	0.0	109.0	

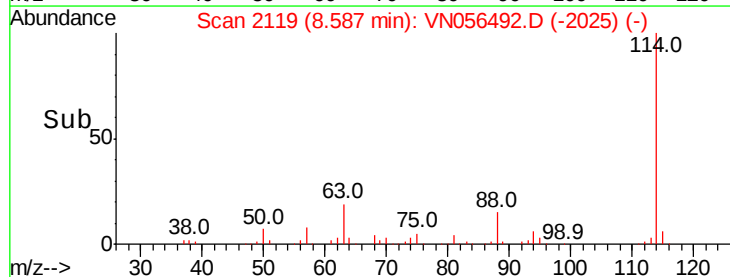
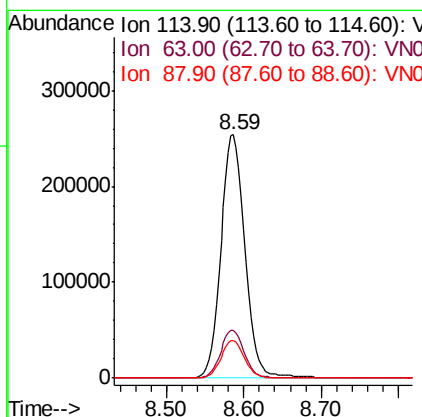
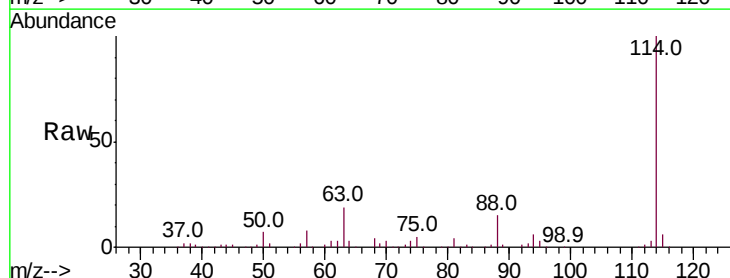
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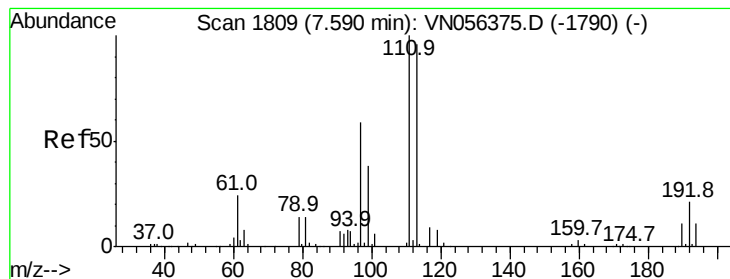
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056492.D
 Acq: 25 Jun 2019 17:21

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	547890		
63	19.4	0.0	39.2	
88	15.5	0.0	31.4	





#35

Dibromofluoromethane

Concen: 49.753 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN056492.D

Acq: 25 Jun 2019 17:21

Instrument :

MSVOA_N

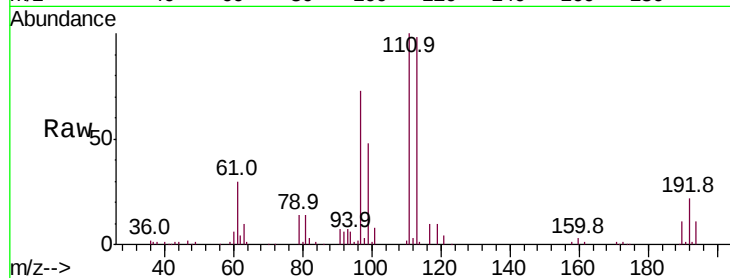
ClientSampleId :

SP-19-LF2MW2MSD

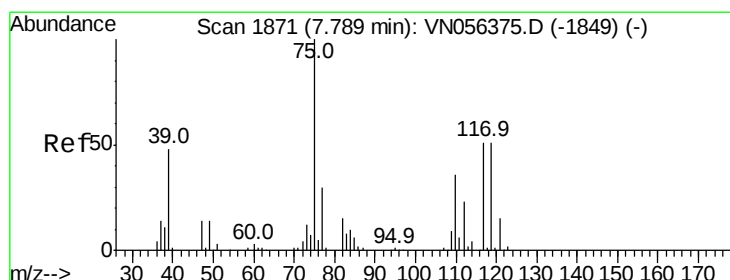
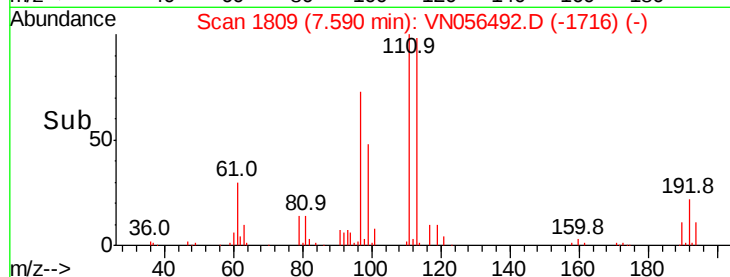
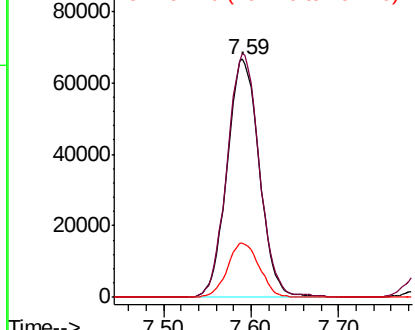
Tot Ion:	113	Resp:	170051
Ion Ratio	Lower	Upper	
113	100		
111	101.9	82.9	124.3
192	22.6	17.7	26.5

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Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 45.046 ug/l

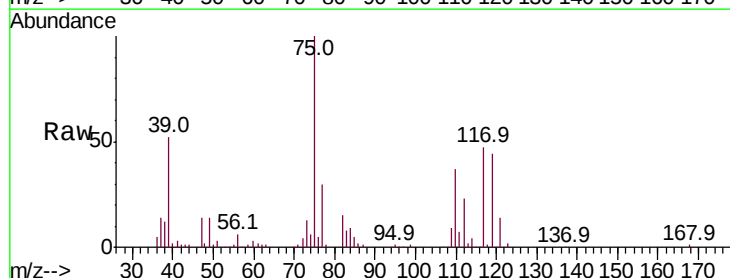
RT: 7.79 min Scan# 1872

Delta R.T. 0.00 min

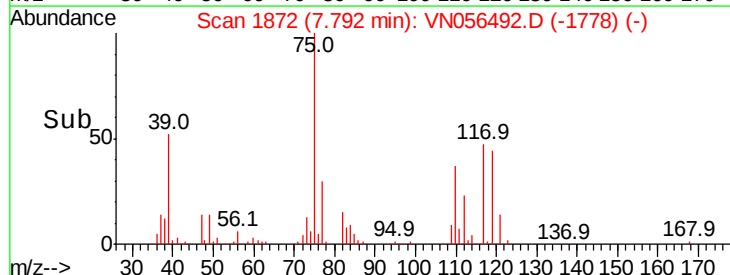
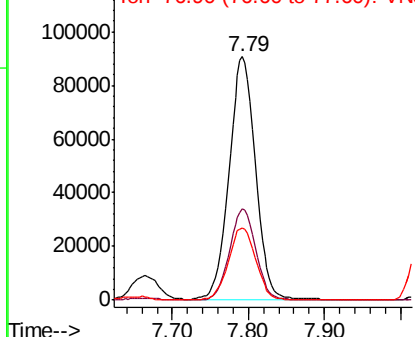
Lab File: VN056492.D

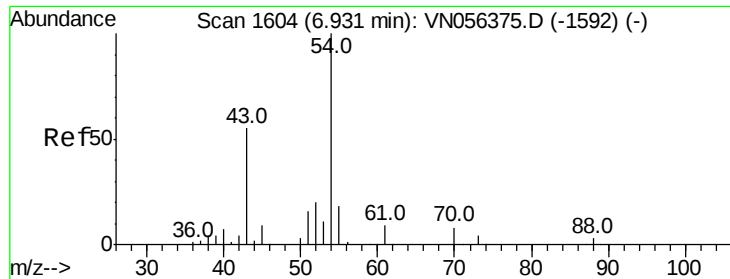
Acq: 25 Jun 2019 17:21

Tgt Ion:	75	Resp:	217231
Ion Ratio	Lower	Upper	
75	100		
110	37.5	18.1	54.3
77	31.1	24.6	36.8



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V





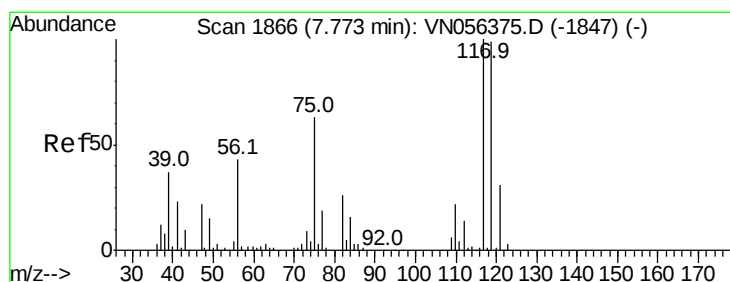
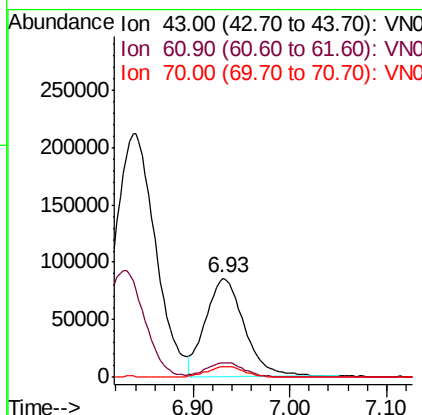
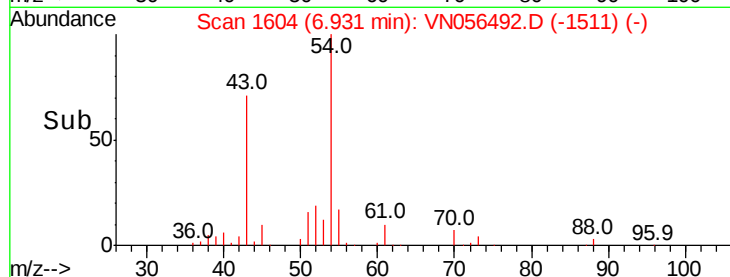
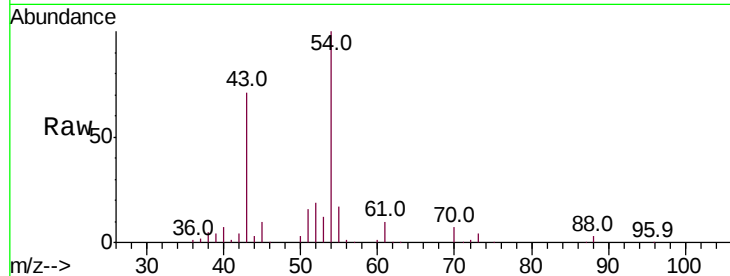
#37
Ethyl Acetate
Concen: 50.374 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN056492.D
Acq: 25 Jun 2019 17:21

Instrument :
MSVOA_N
ClientSampleId :
SP-19-LF2MW2MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.1	16.7
70	10.8	8.3	12.5

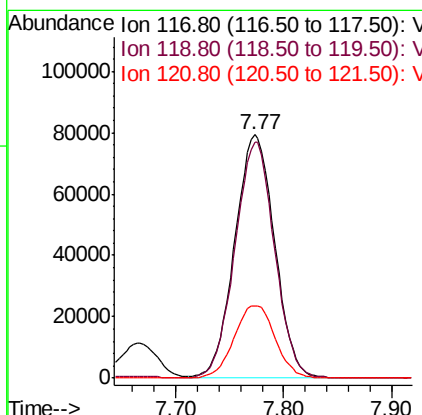
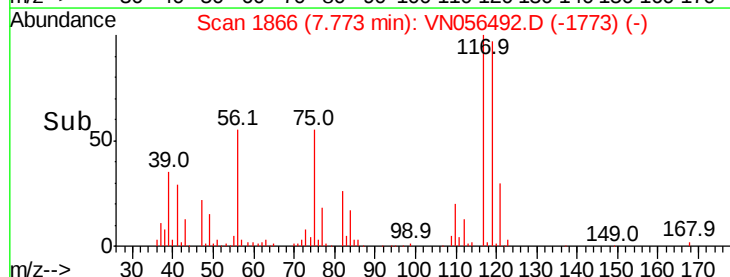
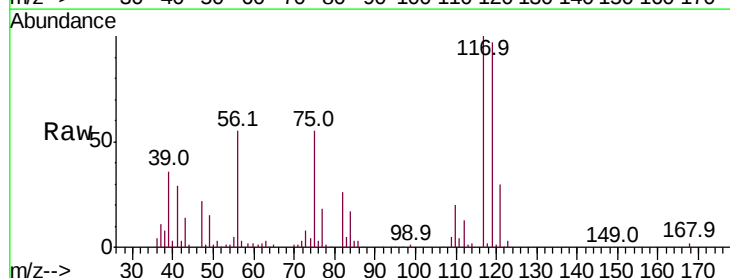
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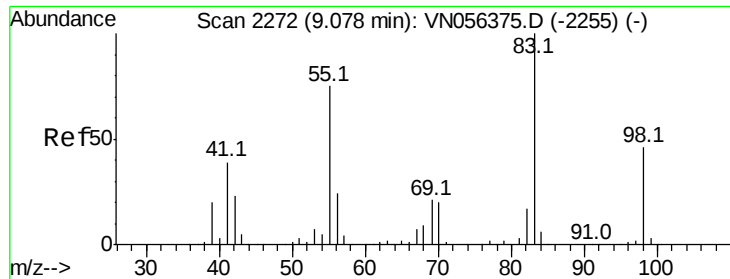
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#38
Carbon Tetrachloride
Concen: 48.000 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN056492.D
Acq: 25 Jun 2019 17:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.3	79.1	118.7
121	29.9	24.8	37.2





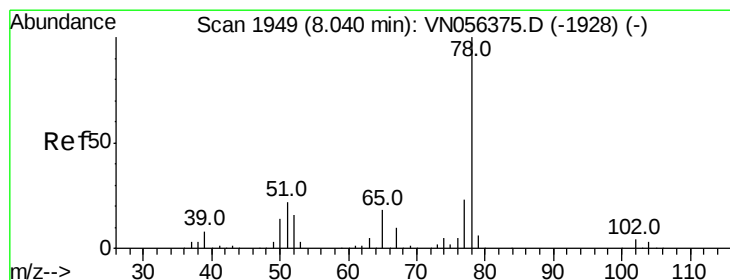
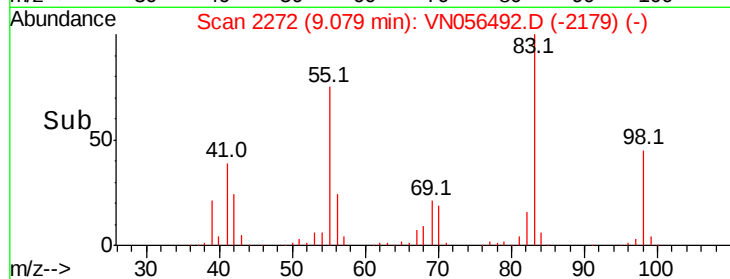
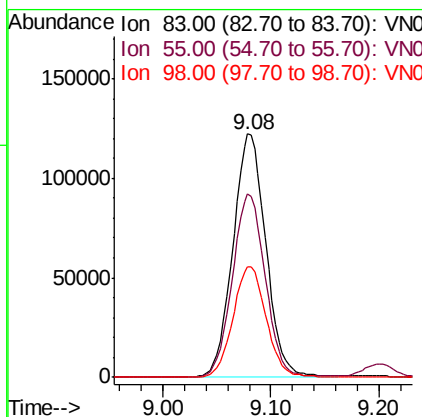
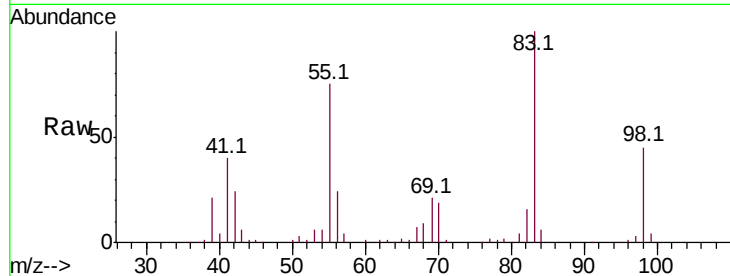
#39
Methvlcvclohexane
Concen: 43.833 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056492.D
Acq: 25 Jun 2019 17:21

Instrument :
MSVOA_N
ClientSampleId :
SP-19-LF2MW2MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.4	60.0	90.0
98	45.3	36.6	54.8

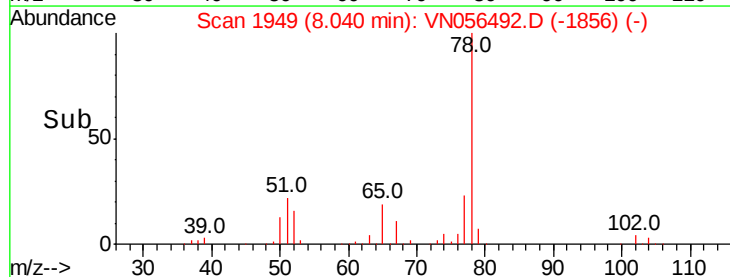
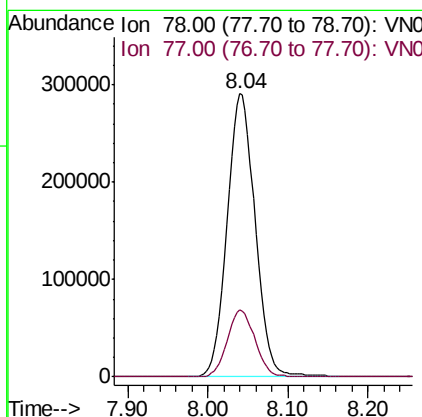
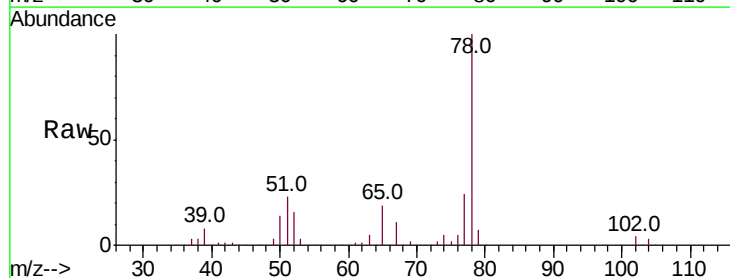
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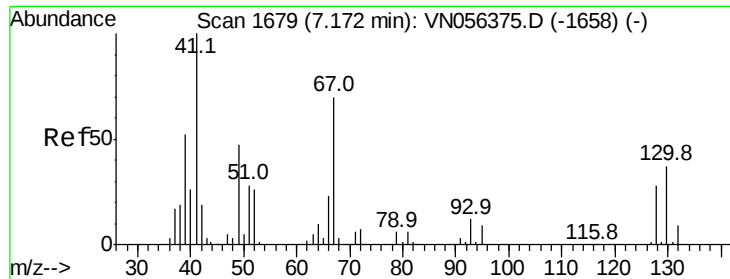
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#40
Benzene
Concen: 46.681 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056492.D
Acq: 25 Jun 2019 17:21

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.3	27.5





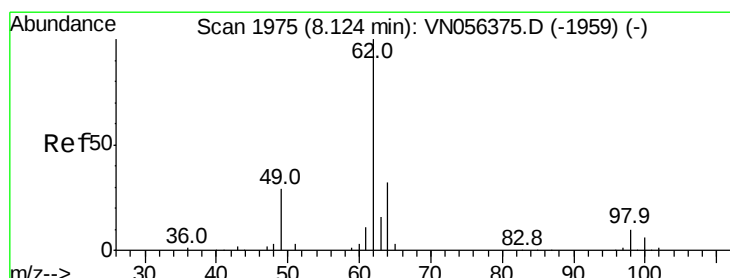
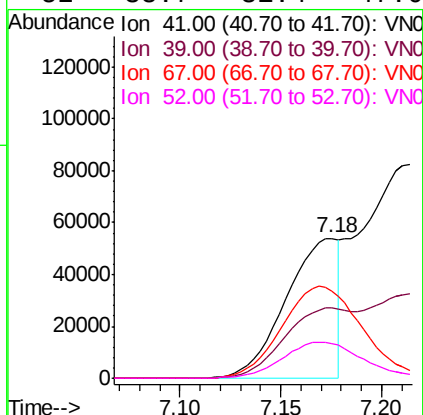
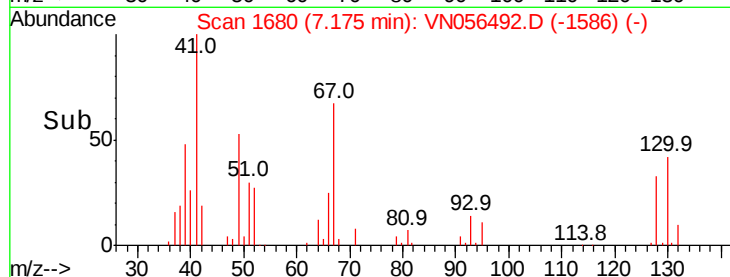
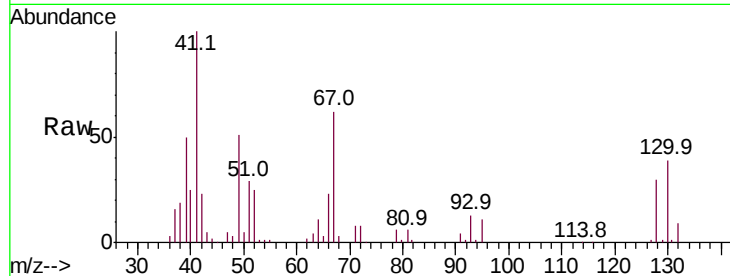
#41
Methacrylonitrile
Concen: 46.595 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN056492.D
Acq: 25 Jun 2019 17:21

Instrument :
MSVOA_N
ClientSampleId :
SP-19-LF2MW2MSD

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	67.1	55.3	82.9	
67	100.6	79.2	118.8	
52	38.7	31.4	47.0	

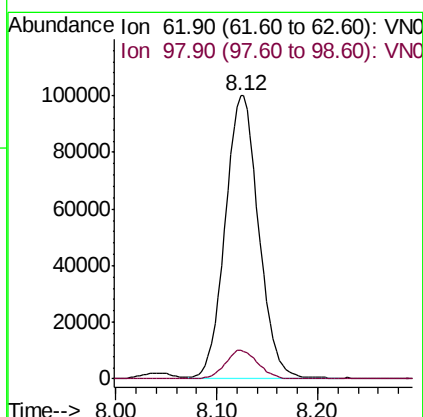
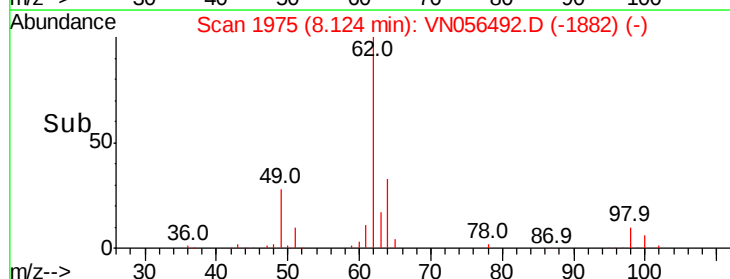
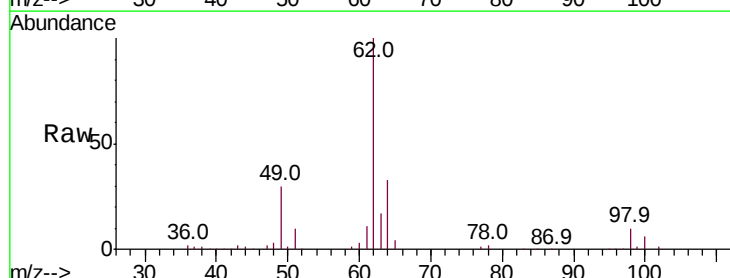
Manual Integrations
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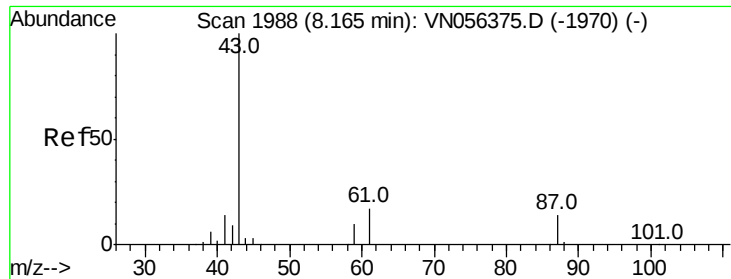
MMDadoda
6/26/2019 9:28:37 AM



#42
1,2-Dichloroethane
Concen: 47.069 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056492.D
Acq: 25 Jun 2019 17:21

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.8	0.0	19.4	





#43

Isopropyl Acetate

Concen: 54.334 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056492.D

Acq: 25 Jun 2019 17:21

Instrument :

MSVOA_N

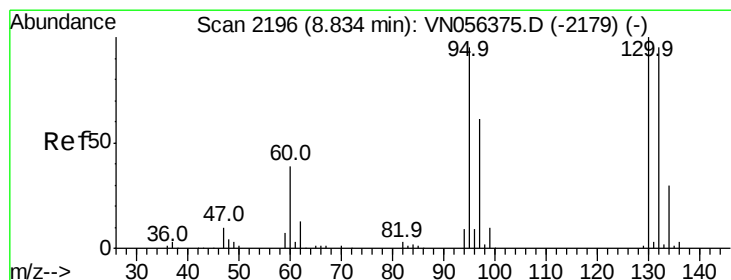
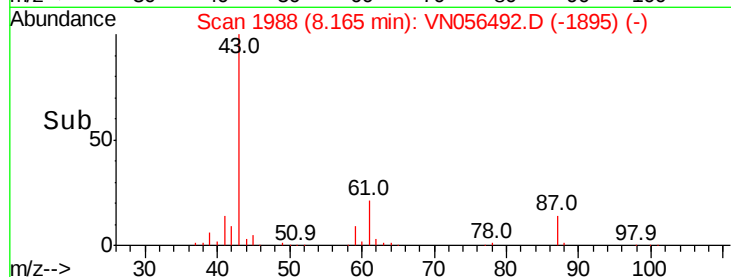
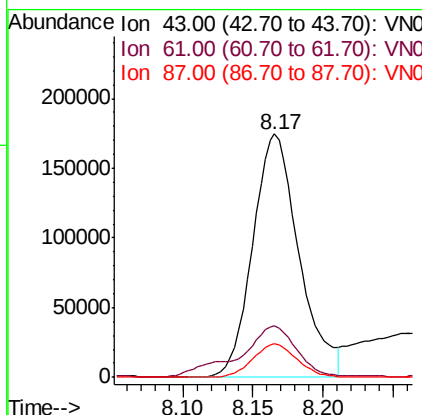
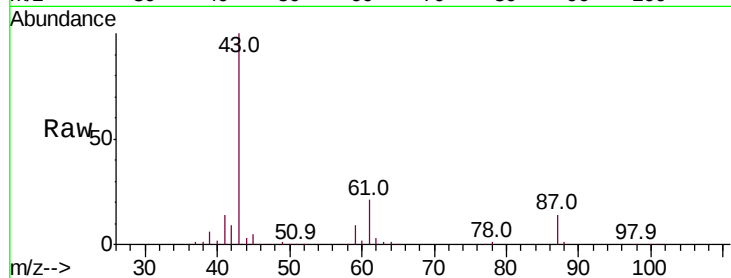
ClientSampleId :

SP-19-LF2MW2MSD

Tot Ion:	43	Resp:	397058
Ion	Ratio	Lower	Upper
43	100		
61	26.3	22.0	33.0
87	13.2	11.0	16.4

Manual Integrations
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MMDadoda
6/26/2019 9:28:37 AM



#44

Trichloroethene

Concen: 46.658 ug/l

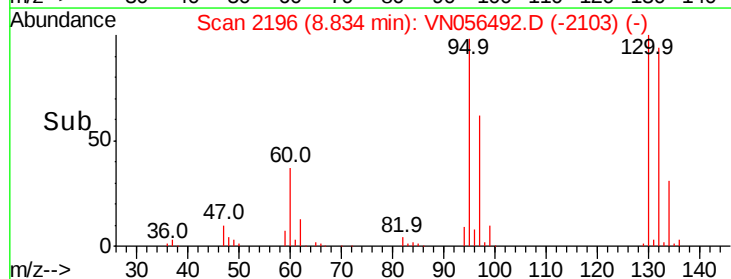
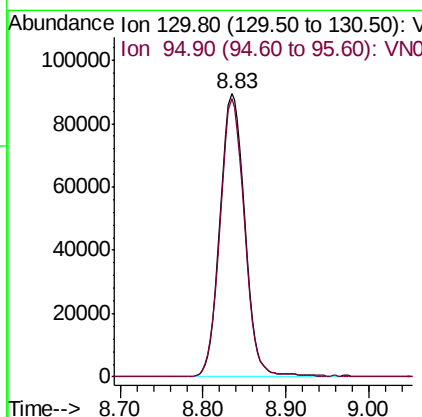
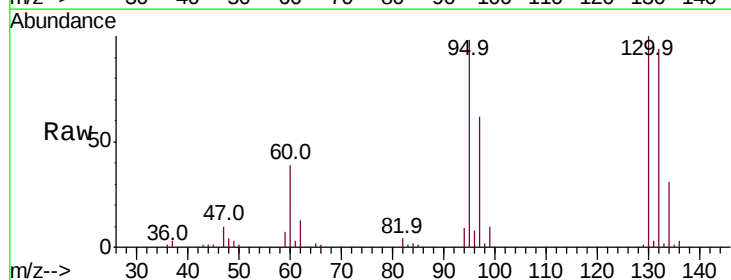
RT: 8.83 min Scan# 2196

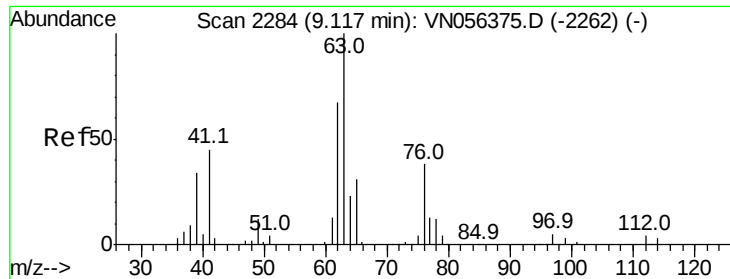
Delta R.T. 0.00 min

Lab File: VN056492.D

Acq: 25 Jun 2019 17:21

Tgt Ion:	130	Resp:	186437
Ion	Ratio	Lower	Upper
130	100		
95	98.3	0.0	191.0





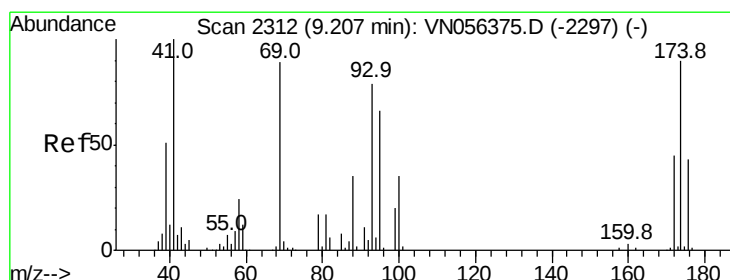
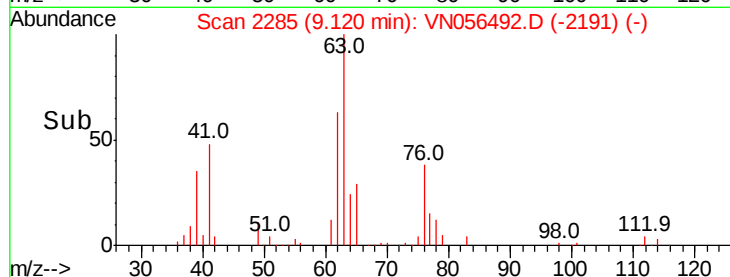
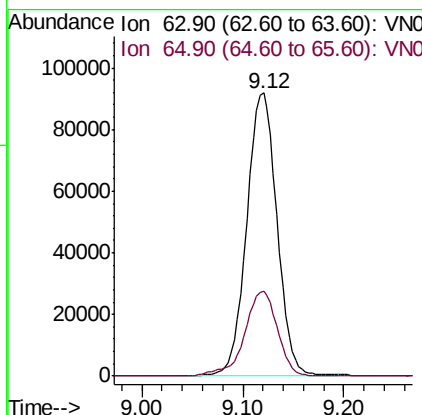
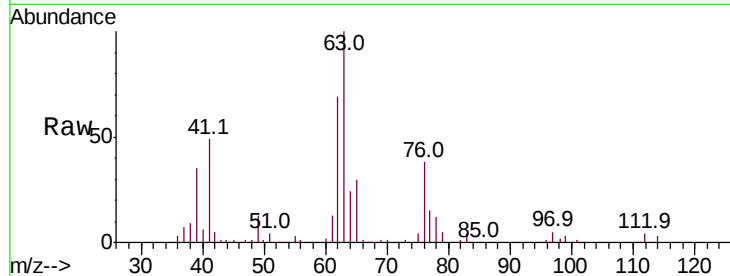
#45
 1,2-Dichloropropane
 Concen: 48.139 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN056492.D
 Acq: 25 Jun 2019 17:21

Instrument :
 MSVOA_N
 ClientSampleId :
 SP-19-LF2MW2MSD

Tot Ion: 63 Resp: 190971
 Ion Ratio Lower Upper
 63 100
 65 30.1 25.0 37.6

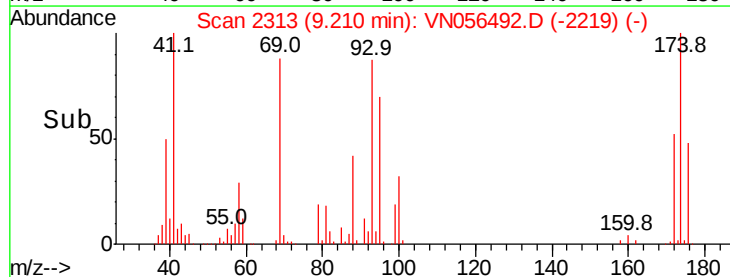
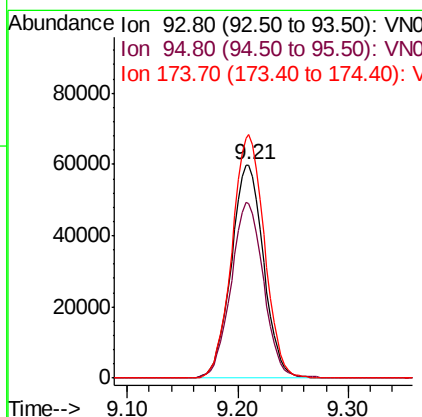
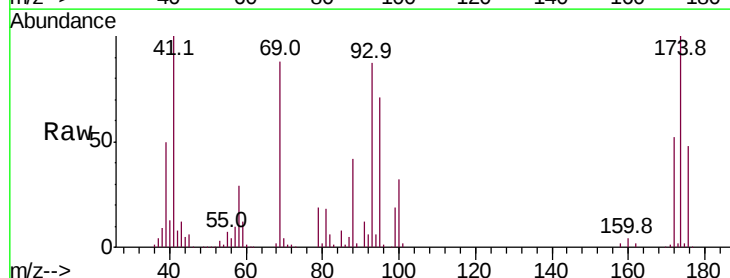
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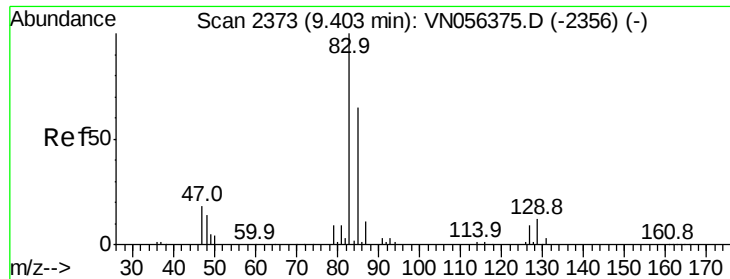
MMDadoda
 6/26/2019 9:28:37 AM



#46
 Dibromomethane
 Concen: 48.969 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN056492.D
 Acq: 25 Jun 2019 17:21

Tgt Ion: 93 Resp: 121538
 Ion Ratio Lower Upper
 93 100
 95 82.7 66.2 99.2
 174 114.5 90.8 136.2





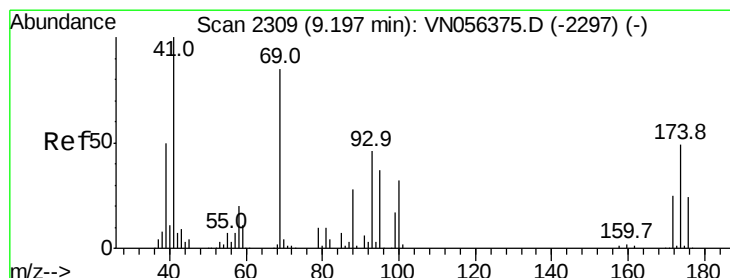
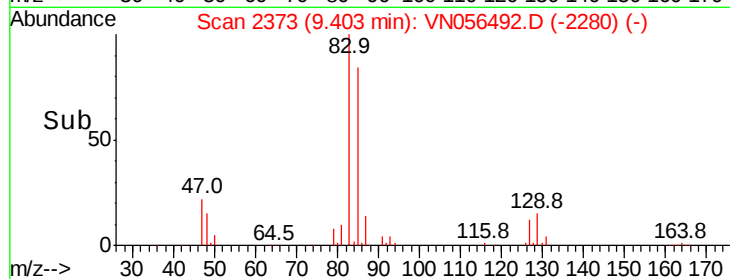
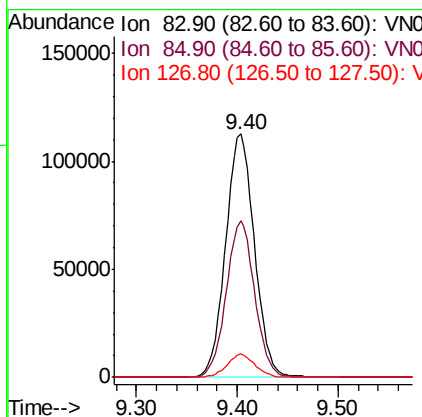
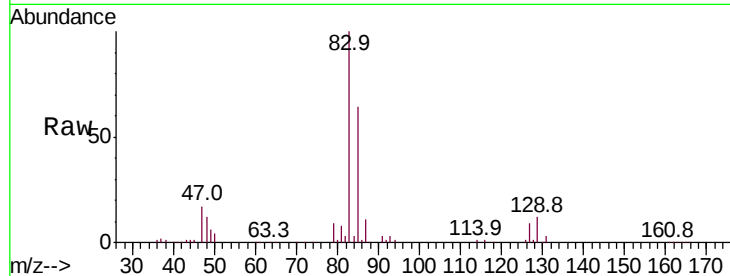
#47
Bromodichloromethane
Concen: 51.060 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN056492.D
Acq: 25 Jun 2019 17:21

Instrument :
MSVOA_N
ClientSampleId :
SP-19-LF2MW2MSD

Tot Ion	83	Resp	224762
Ion Ratio	100	Lower	Upper
83	100		
85	64.2	52.2	78.4
127	9.5	7.3	10.9

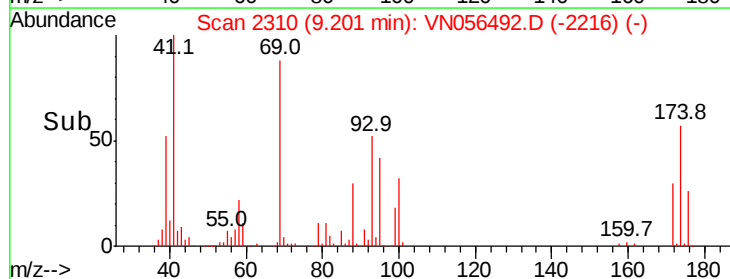
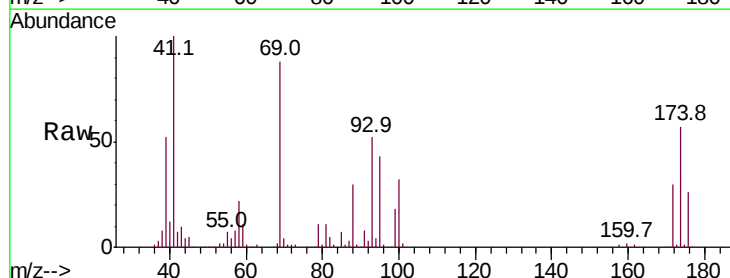
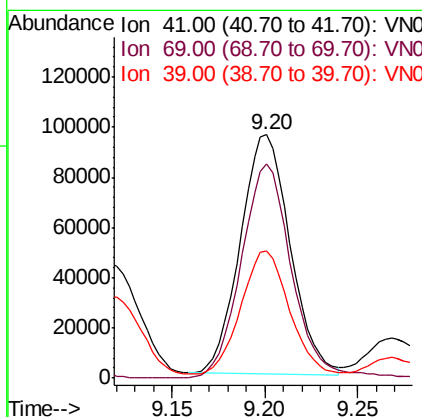
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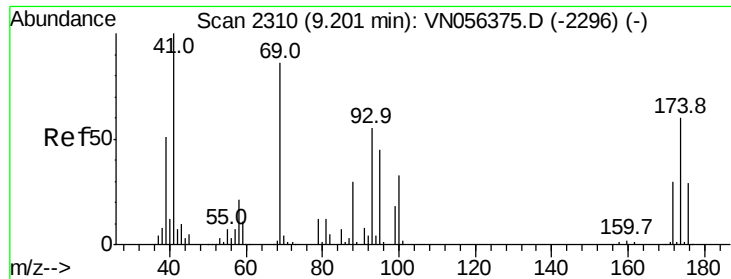
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#48
Methyl methacrylate
Concen: 48.929 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN056492.D
Acq: 25 Jun 2019 17:21

Tgt Ion	41	Resp	179181
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
41	100		
69	90.1	72.6	109.0
39	53.3	42.6	63.8





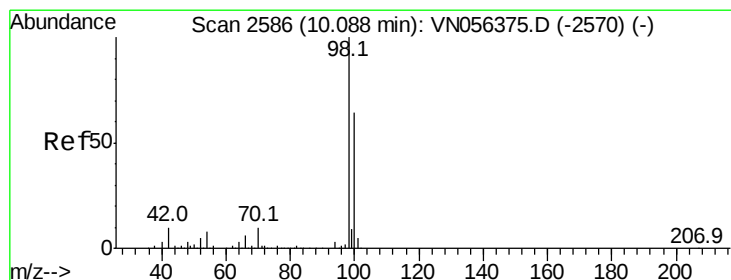
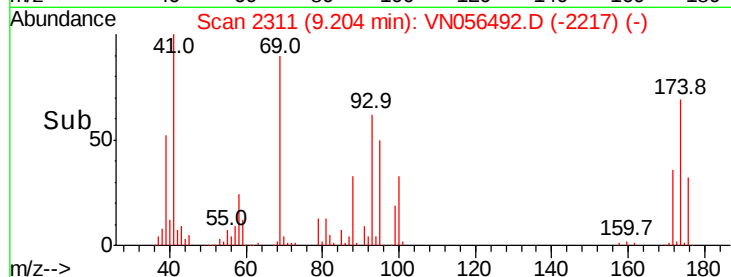
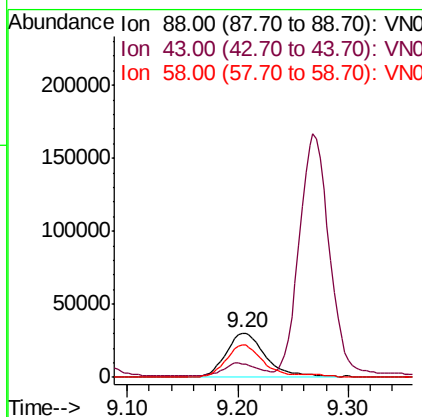
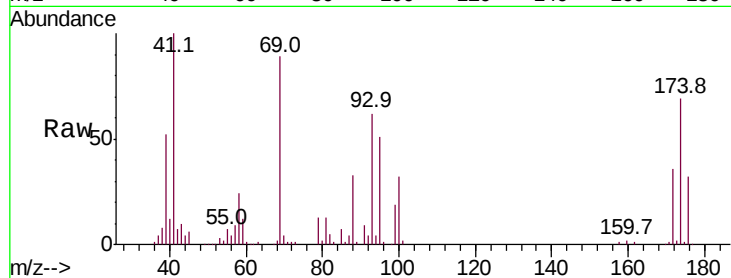
#49
1,4-Dioxane
Concen: 1002.247 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN056492.D
Acq: 25 Jun 2019 17:21

Instrument :
MSVOA_N
ClientSampleId :
SP-19-LF2MW2MSD

Tot Ion	88	Resp	76166
Ion	Ratio	Lower	Upper
88	100		
43	25.8	22.0	33.0
58	68.0	51.8	77.8

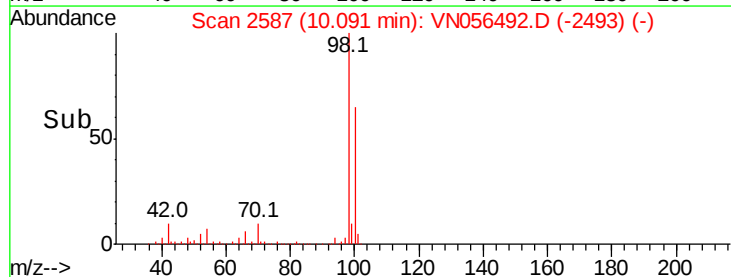
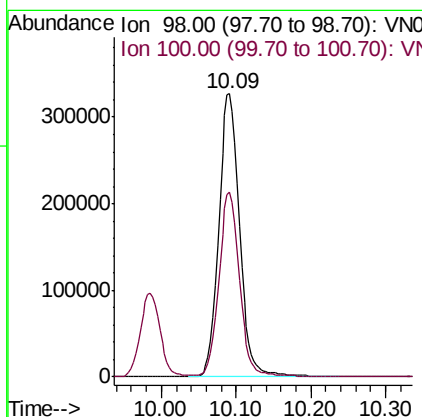
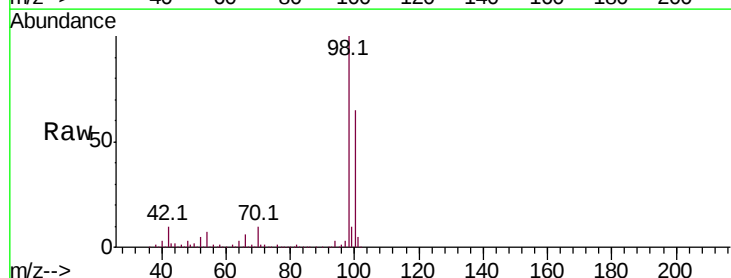
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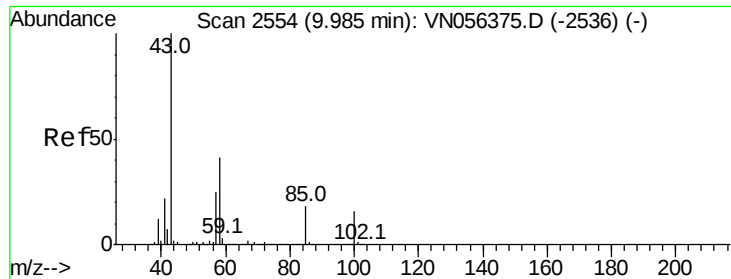
MMDadoda
6/26/2019 9:28:37 AM



#50
Toluene-d8
Concen: 47.291 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN056492.D
Acq: 25 Jun 2019 17:21

Tgt Ion	98	Resp	628947
Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.2	78.2





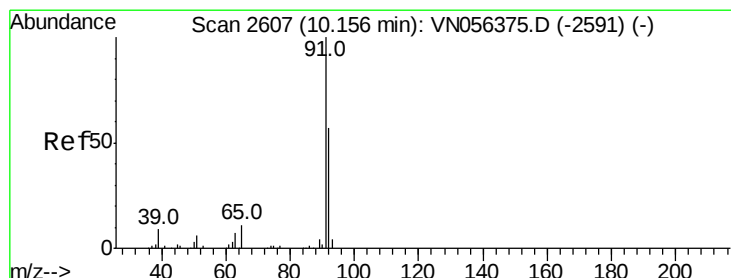
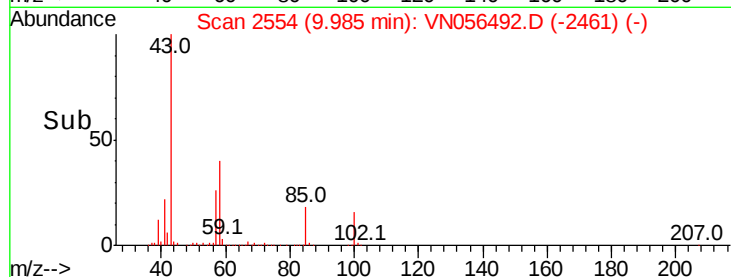
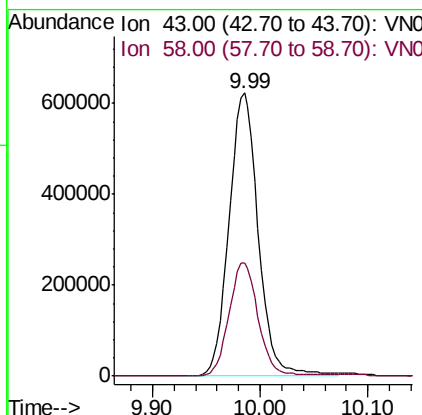
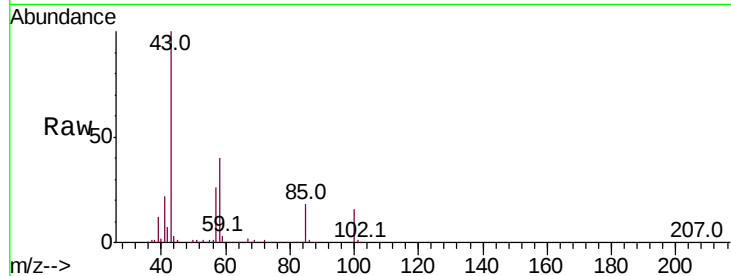
#51
4-Methyl-2-Pentanone
Concen: 249.109 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN056492.D
Acq: 25 Jun 2019 17:21

Instrument :
MSVOA_N
ClientSampleId :
SP-19-LF2MW2MSD

Tot Ion: 43 Resp: 1174962
Ion Ratio Lower Upper
43 100
58 40.3 31.8 47.8

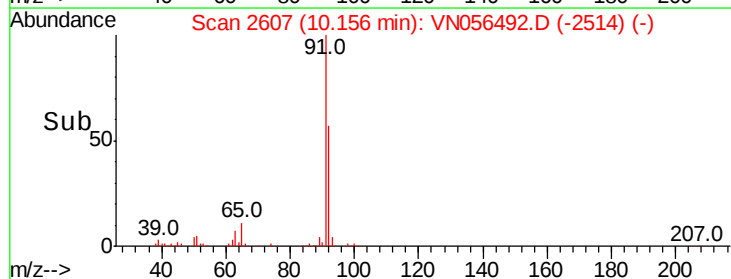
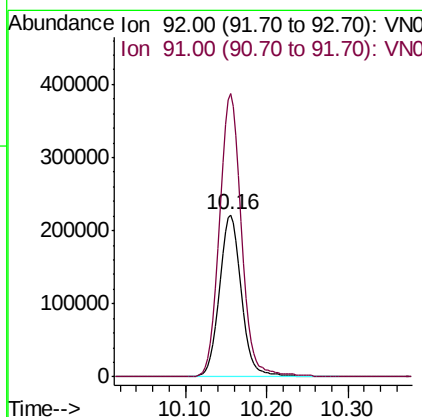
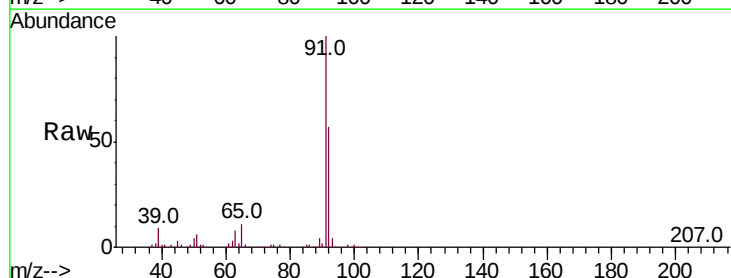
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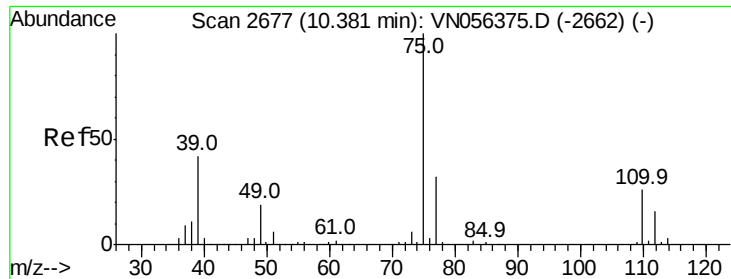
MMDadoda
6/26/2019 9:28:37 AM



#52
Toluene
Concen: 46.827 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN056492.D
Acq: 25 Jun 2019 17:21

Tgt Ion: 92 Resp: 424676
Ion Ratio Lower Upper
92 100
91 175.3 140.6 211.0





#53

t-1,3-Dichloropropene

Concen: 47.255 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN056492.D

Acq: 25 Jun 2019 17:21

Instrument :

MSVOA_N

ClientSampleId :

SP-19-LF2MW2MSD

Tot Ion: 75 Resp: 241411

Ion Ratio Lower Upper

75 100

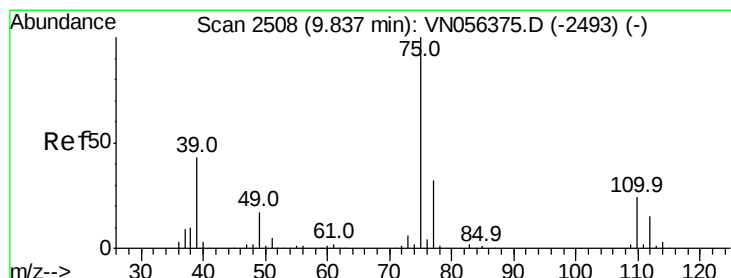
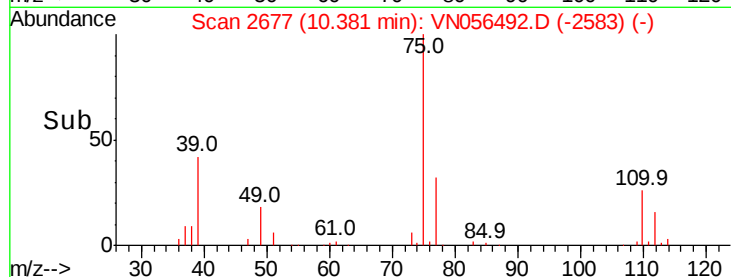
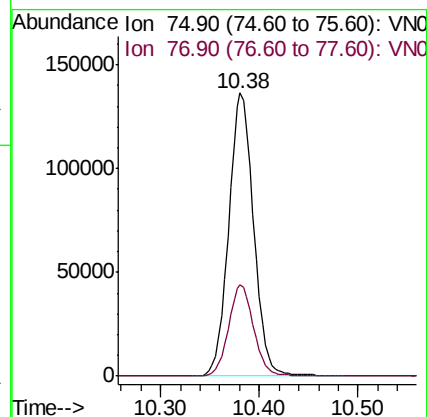
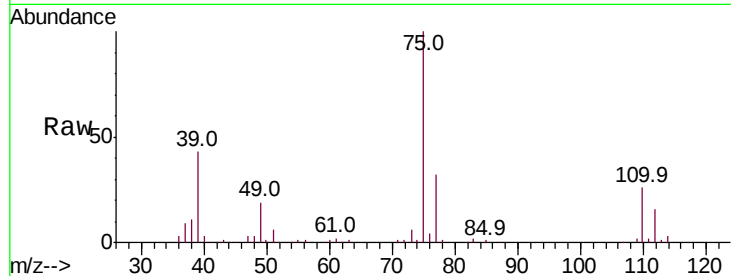
77 32.5 25.4 38.2

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 51.632 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN056492.D

Acq: 25 Jun 2019 17:21

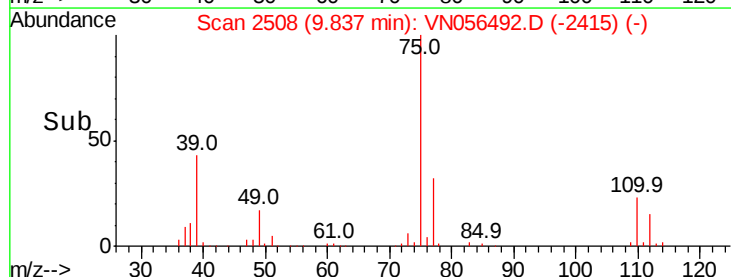
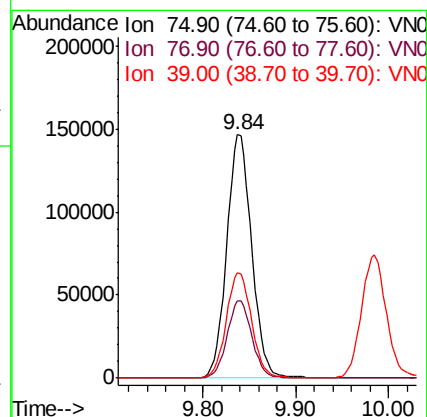
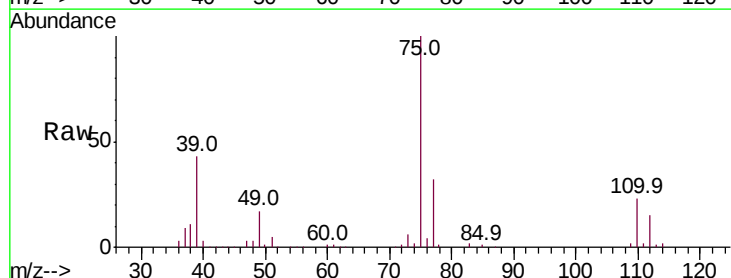
Tgt Ion: 75 Resp: 273700

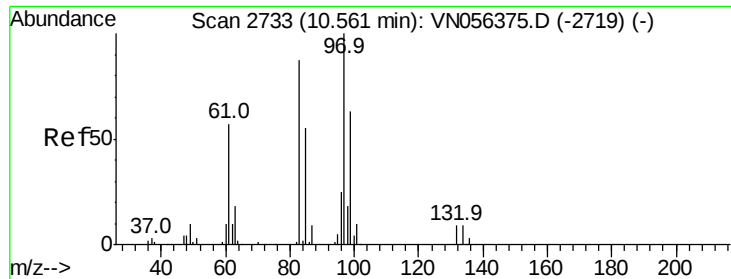
Ion Ratio Lower Upper

75 100

77 31.8 25.2 37.8

39 43.1 34.2 51.4





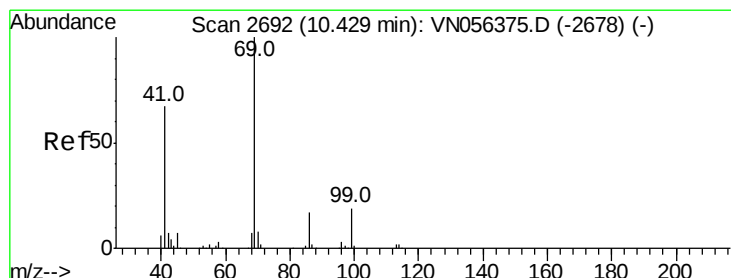
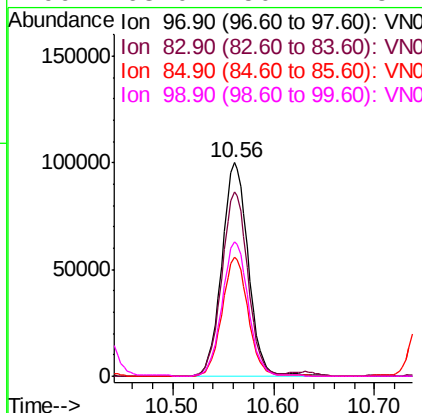
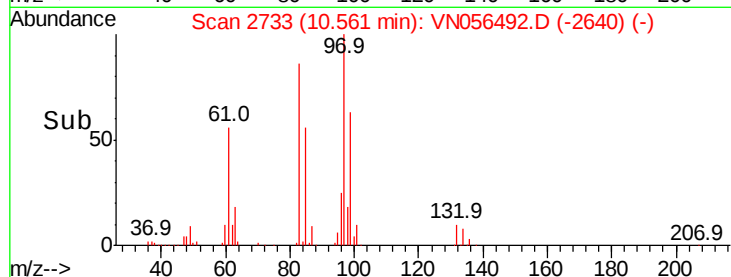
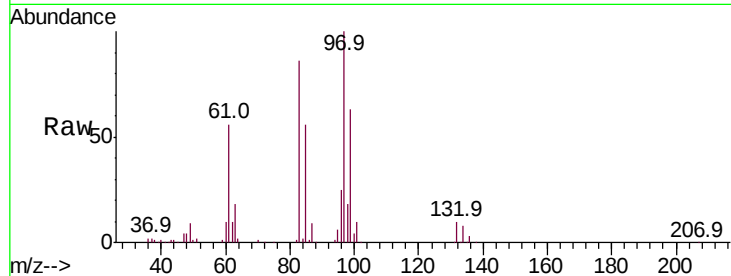
#55
 1,1,2-Trichloroethane
 Concen: 50.223 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056492.D
 Acq: 25 Jun 2019 17:21

Instrument :
 MSVOA_N
 ClientSampleId :
 SP-19-LF2MW2MSD

Tot Ion	Ratio	Lower	Upper
97	100		
83	86.3	69.8	104.6
85	55.6	43.8	65.8
99	63.0	50.2	75.2

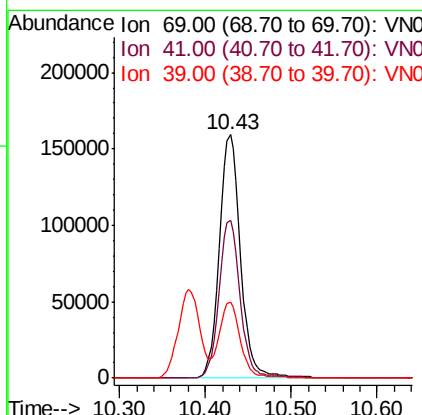
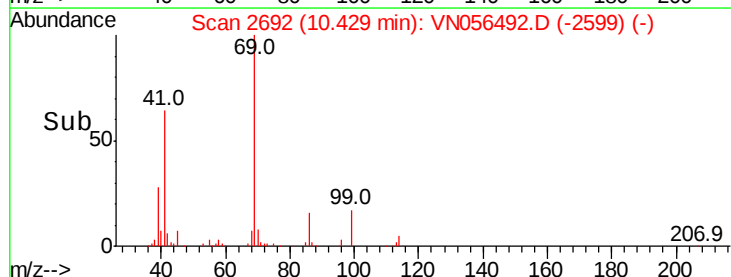
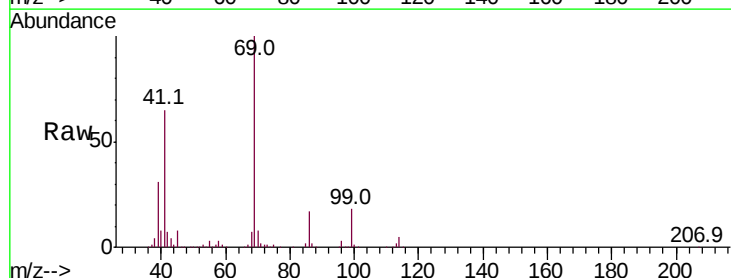
Manual Integrations
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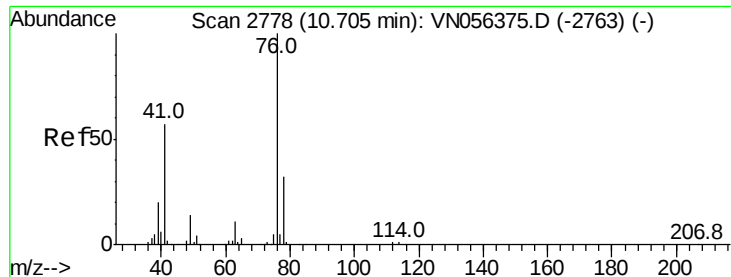
MMDadoda
 6/26/2019 9:28:37 AM



#56
 Ethyl methacrylate
 Concen: 51.256 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN056492.D
 Acq: 25 Jun 2019 17:21

Tgt Ion	Ratio	Lower	Upper
69	100		
41	64.9	51.4	77.2
39	30.4	24.7	37.1





#57

1,3-Dichloropropane

Concen: 48.893 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN056492.D

Acq: 25 Jun 2019 17:21

Instrument :

MSVOA_N

ClientSampleId :

SP-19-LF2MW2MSD

Tot Ion: 76 Resp: 299419

Ion Ratio Lower Upper

76 100

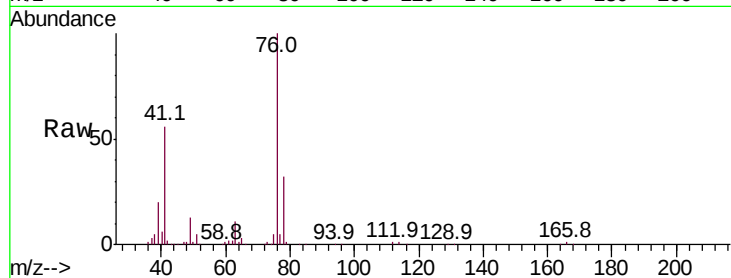
78 32.5 25.9 38.9

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

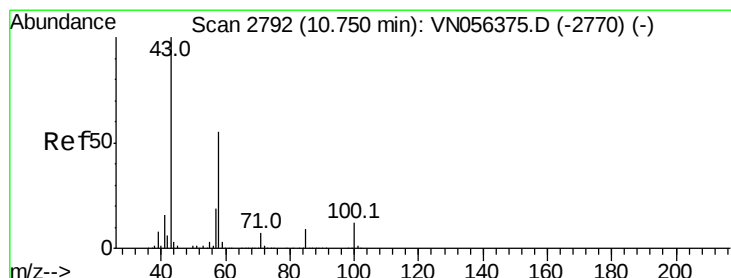
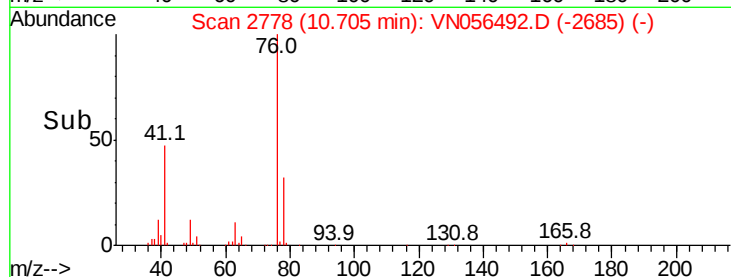
150000

100000

50000

0

Time--> 10.60 10.70 10.80



#59

2-Hexanone

Concen: 235.561 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN056492.D

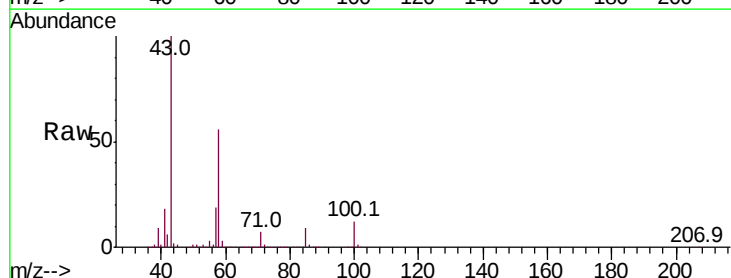
Acq: 25 Jun 2019 17:21

Tgt Ion: 43 Resp: 816593

Ion Ratio Lower Upper

43 100

58 56.1 27.8 83.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10.75

500000

400000

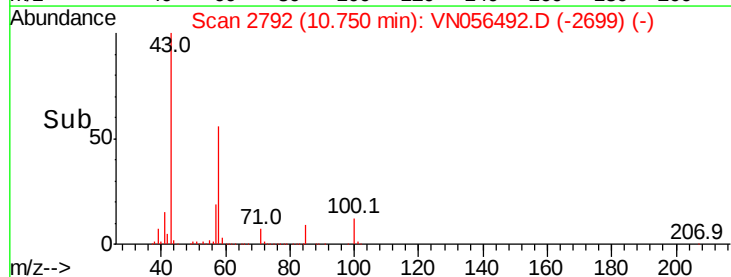
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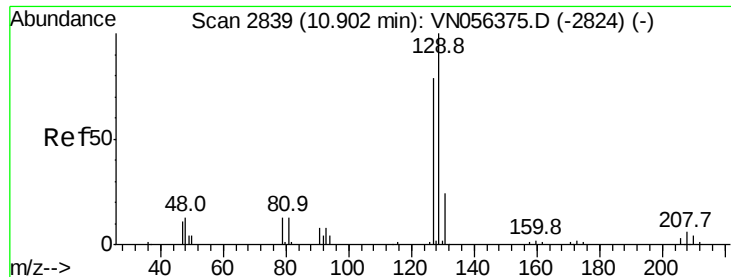
200000

100000

0

Time--> 10.70 10.80





#60

Dibromochloromethane

Concen: 47.830 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN056492.D

Acq: 25 Jun 2019 17:21

Instrument :

MSVOA_N

ClientSampleId :

SP-19-LF2MW2MSD

Tot Ion:129 Resp: 178810

Ion Ratio Lower Upper

129 100

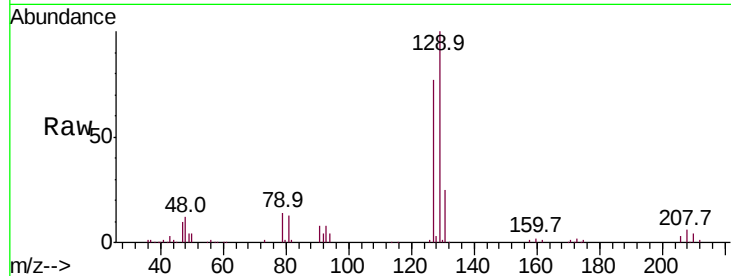
127 76.1 38.9 116.7

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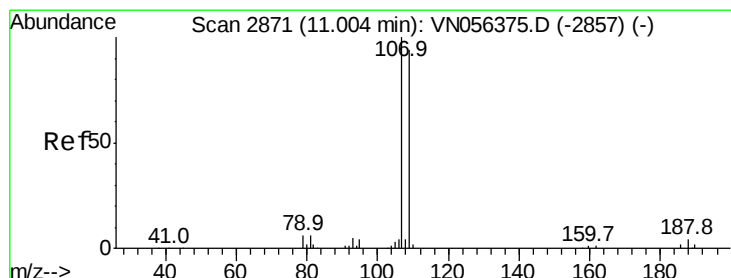
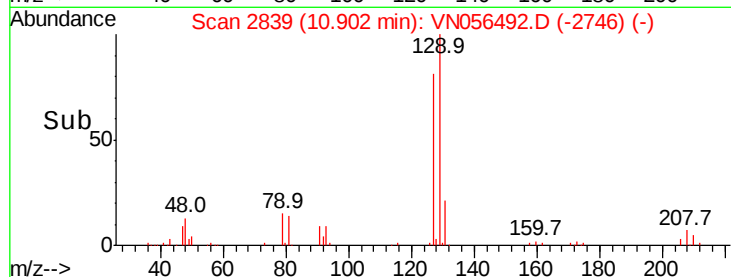
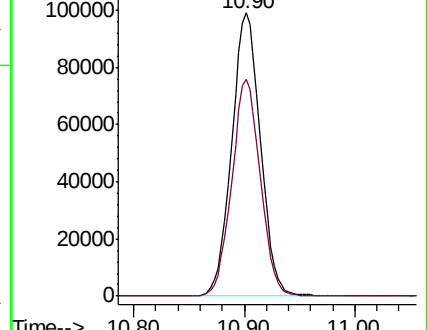
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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 49.205 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN056492.D

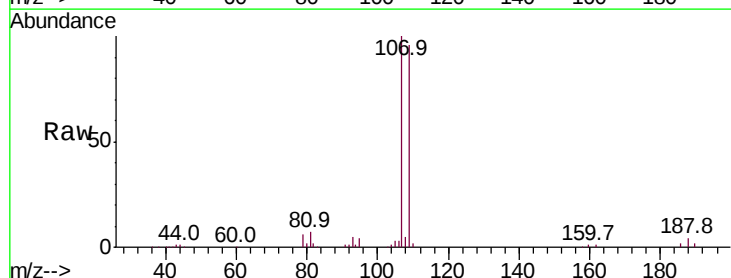
Acq: 25 Jun 2019 17:21

Tgt Ion:107 Resp: 183197

Ion Ratio Lower Upper

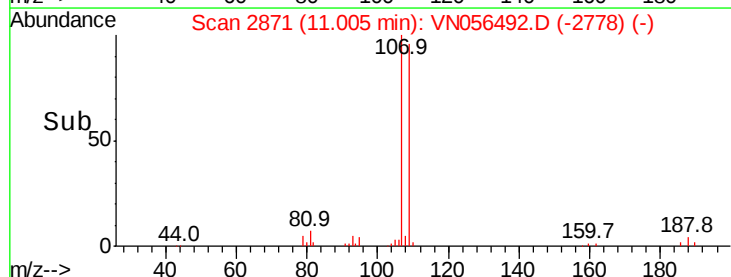
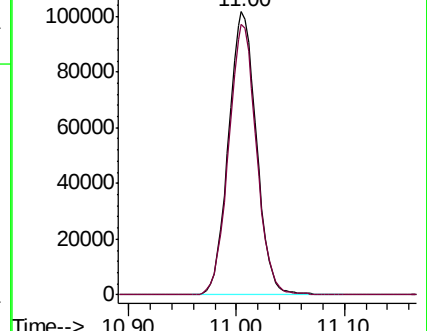
107 100

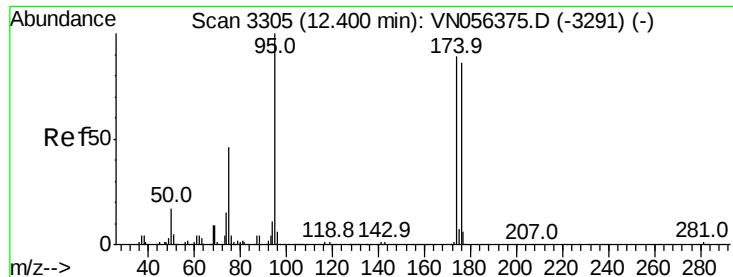
109 95.2 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 48.782 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056492.D

Acq: 25 Jun 2019 17:21

Instrument :

MSVOA_N

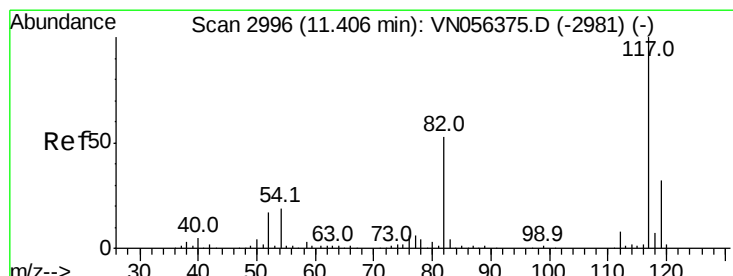
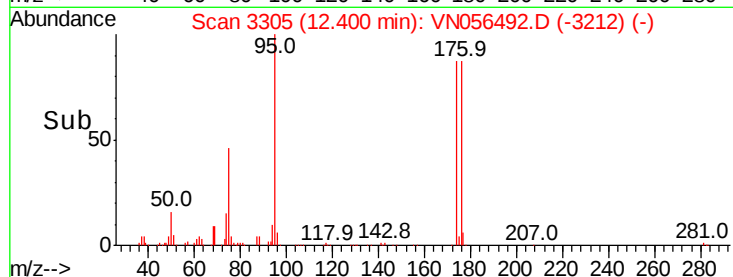
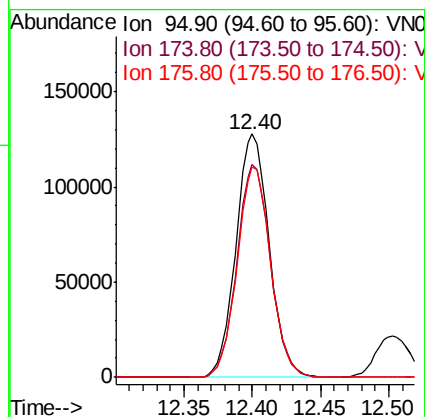
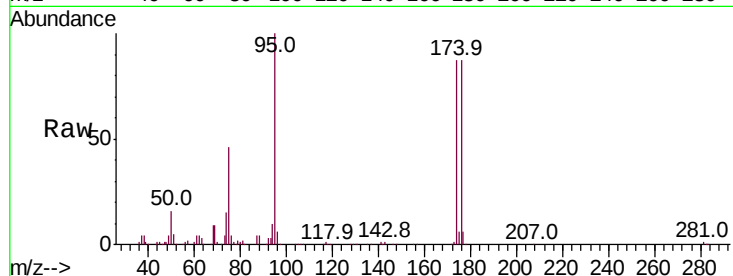
ClientSampleId :

SP-19-LF2MW2MSD

Tot Ion:	95	Resp:	216275
Ion Ratio	Lower	Upper	
95	100		
174	88.2	0.0	179.4
176	86.9	0.0	173.4

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

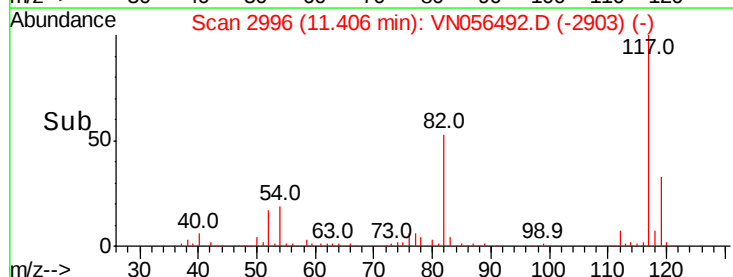
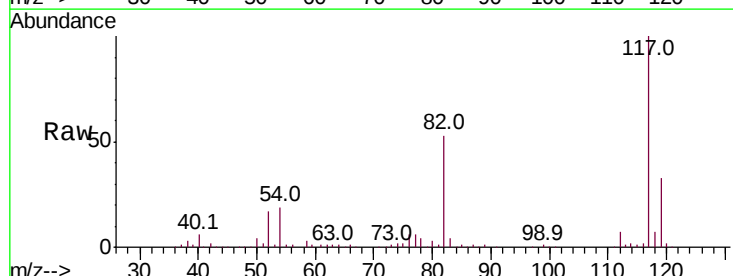
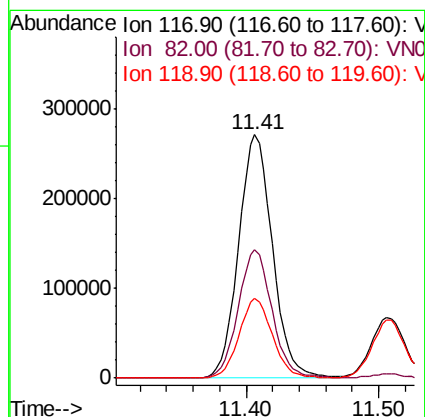
RT: 11.41 min Scan# 2996

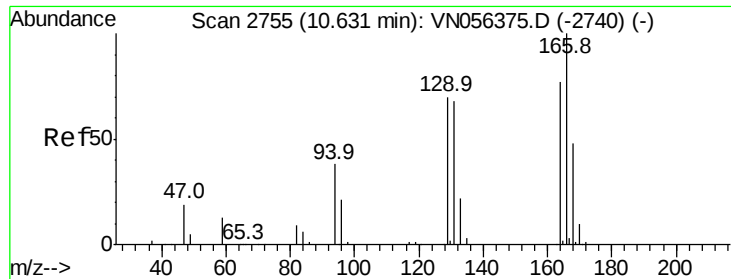
Delta R.T. 0.00 min

Lab File: VN056492.D

Acq: 25 Jun 2019 17:21

Tgt Ion:	117	Resp:	482858
Ion Ratio	Lower	Upper	
117	100		
82	52.6	42.0	63.0
119	32.7	25.3	37.9





#64

Tetrachloroethene

Concen: 44.368 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN056492.D

Acq: 25 Jun 2019 17:21

Instrument :

MSVOA_N

ClientSampleId :

SP-19-LF2MW2MSD

Tot Ion:164 Resp: 169658

Ion Ratio Lower Upper

164 100

166 128.0 103.4 155.0

129 89.8 72.0 108.0

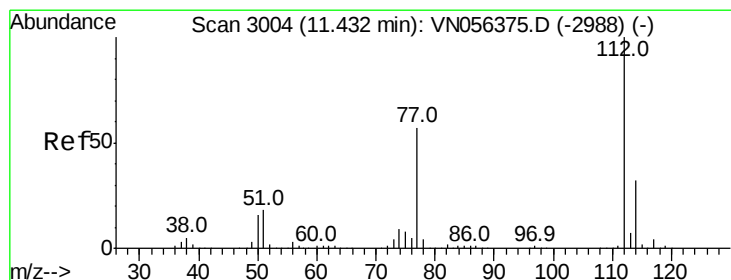
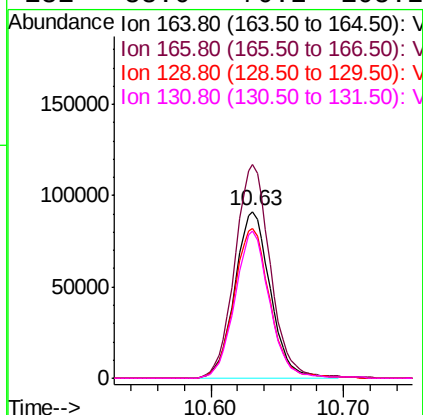
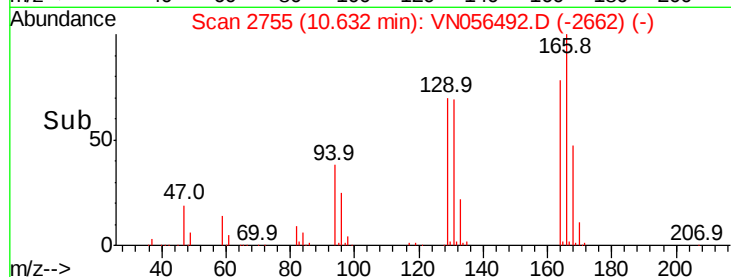
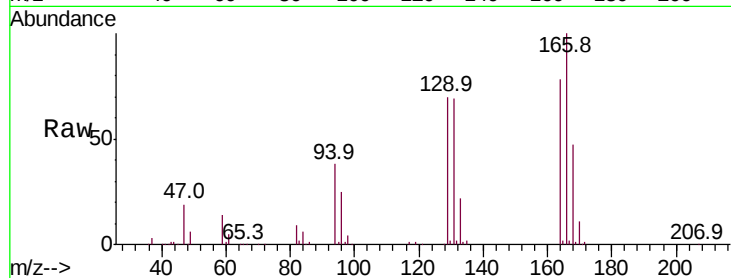
131 88.0 70.2 105.2

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#65

Chlorobenzene

Concen: 47.254 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN056492.D

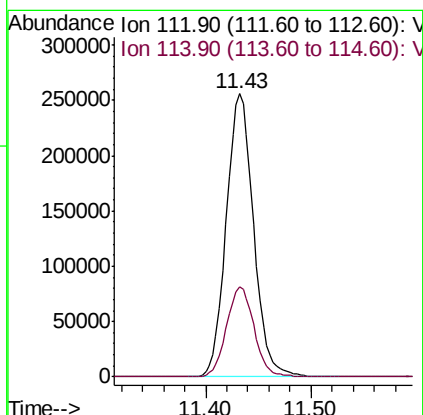
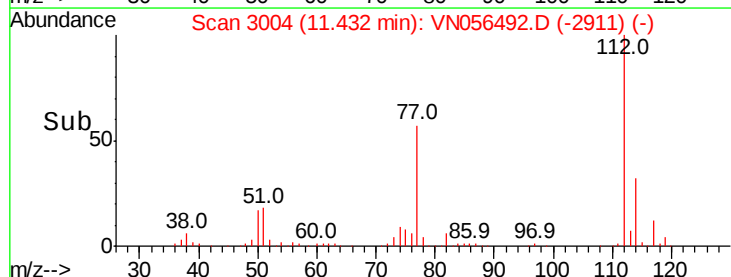
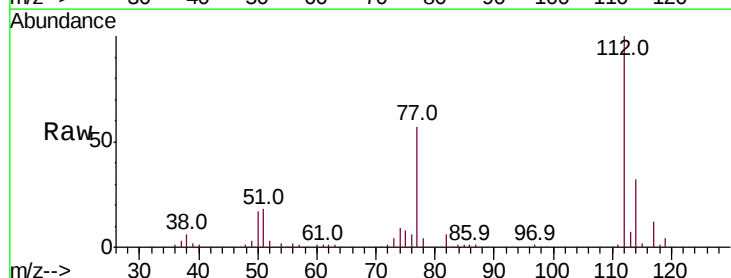
Acq: 25 Jun 2019 17:21

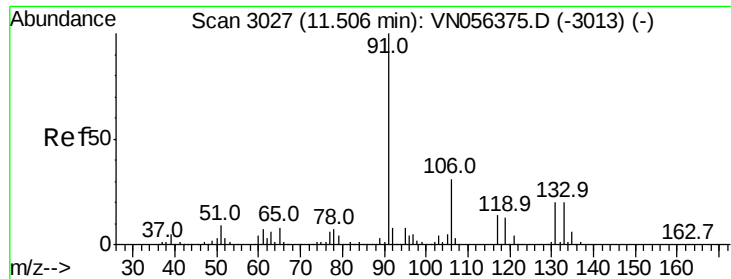
Tgt Ion:112 Resp: 458480

Ion Ratio Lower Upper

112 100

114 31.9 25.4 38.2





#66

1,1,1,2-Tetrachloroethane

Concen: 52.302 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN056492.D

Acq: 25 Jun 2019 17:21

Instrument :

MSVOA_N

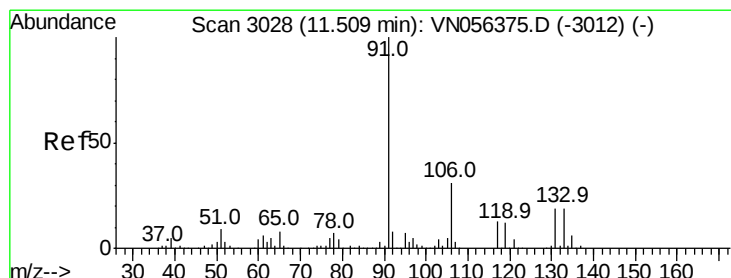
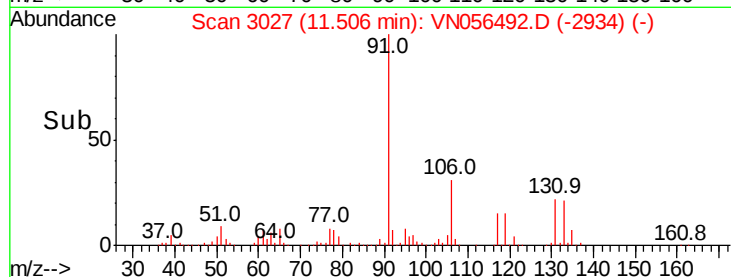
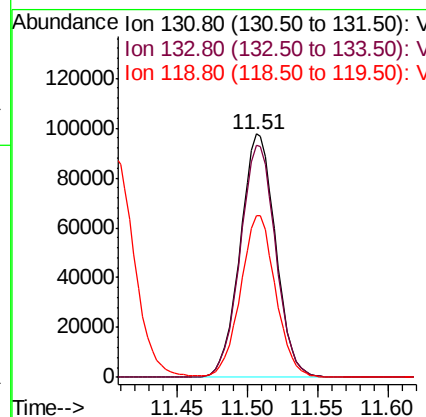
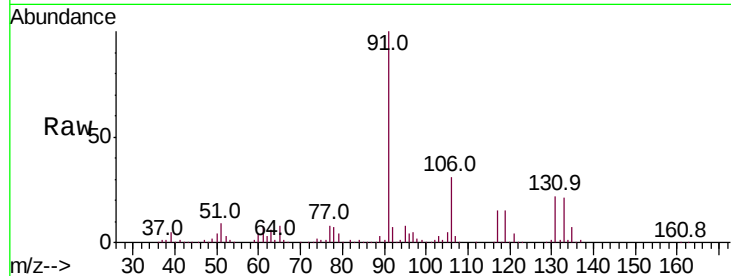
ClientSampleId :

SP-19-LF2MW2MSD

Tot Ion:	131	Resp:	171507
Ion Ratio	Lower	Upper	
131	100		
133	95.9	47.4	142.2
119	66.1	32.8	98.4

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#67

Ethyl Benzene

Concen: 47.121 ug/l

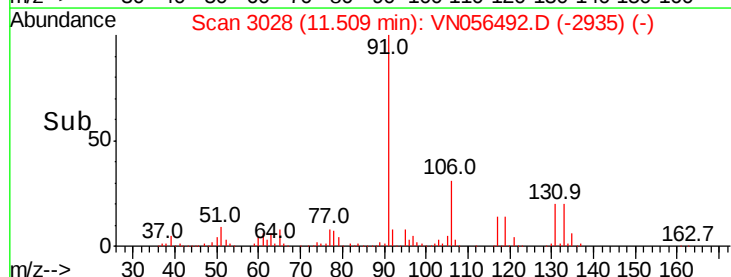
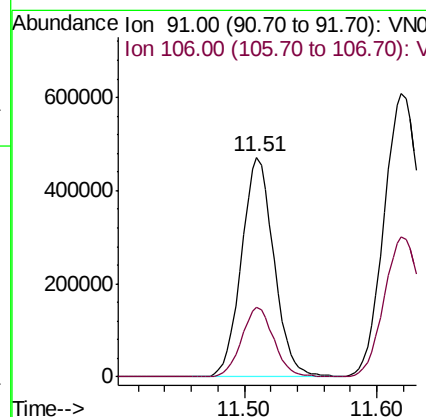
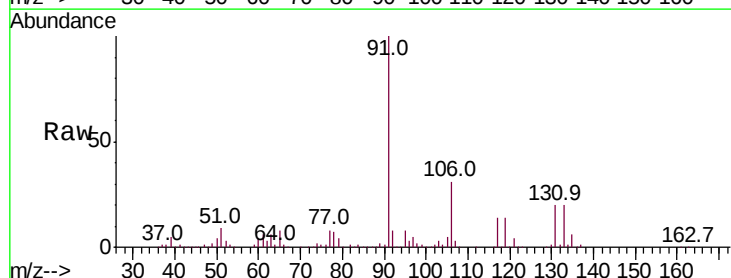
RT: 11.51 min Scan# 3028

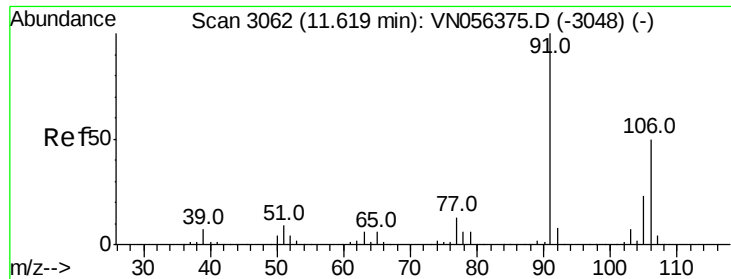
Delta R.T. 0.00 min

Lab File: VN056492.D

Acq: 25 Jun 2019 17:21

Tgt Ion:	91	Resp:	802758
Ion Ratio	Lower	Upper	
91	100		
106	31.4	25.1	37.7





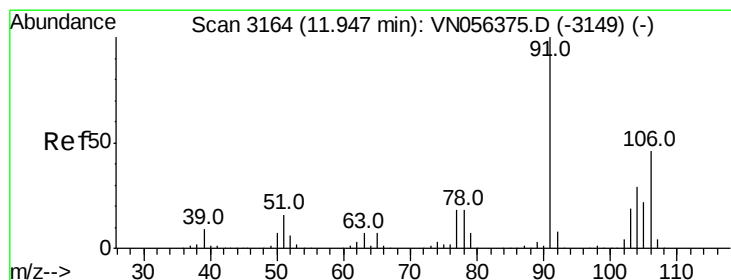
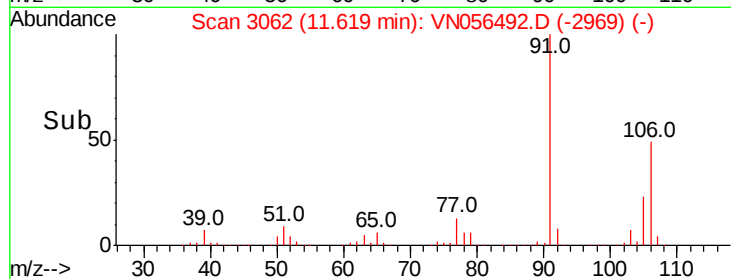
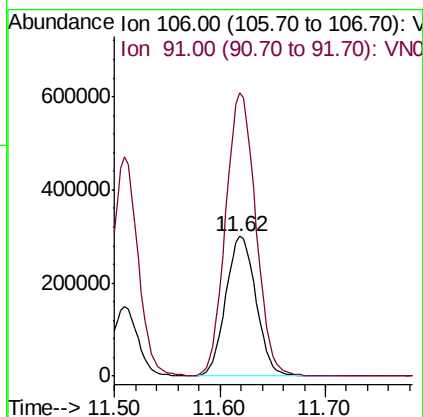
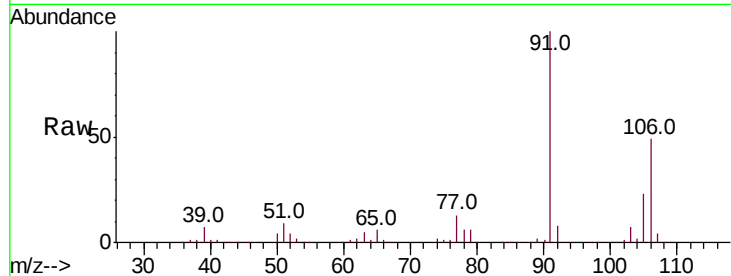
#68
m/p-Xylenes
Concen: 95.691 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056492.D
Acq: 25 Jun 2019 17:21

Instrument :
MSVOA_N
ClientSampleId :
SP-19-LF2MW2MSD

Tot Ion:106 Resp: 597427
Ion Ratio Lower Upper
106 100
91 201.2 160.1 240.1

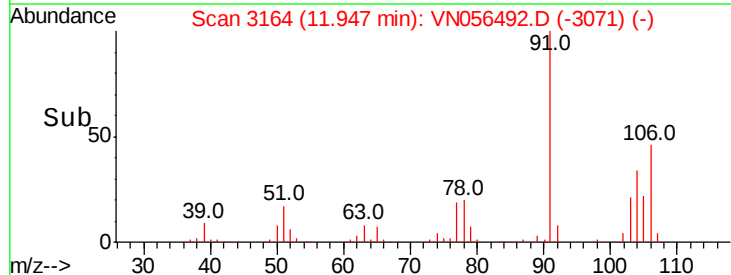
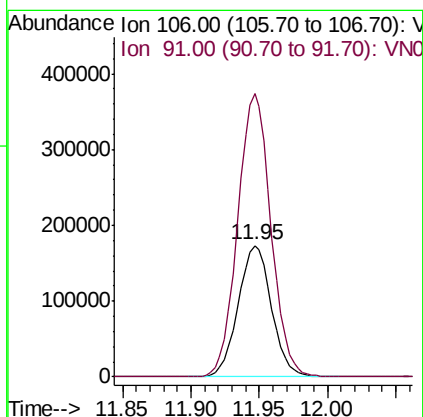
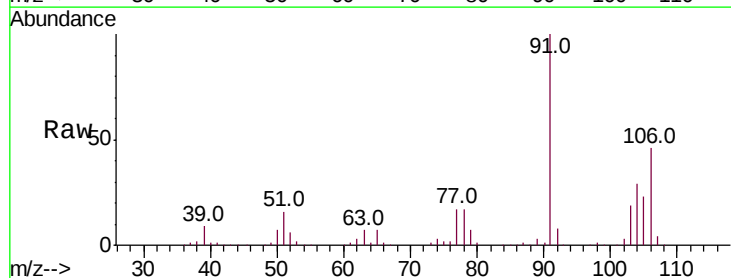
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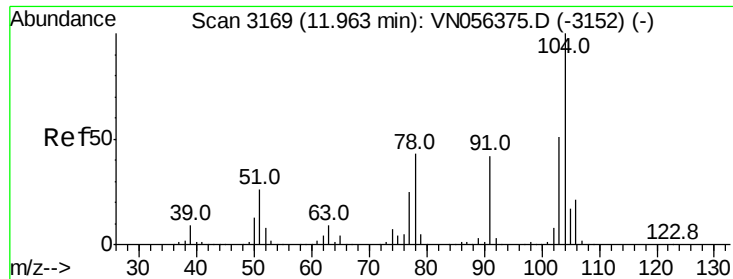
MMDadoda
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#69
o-Xylene
Concen: 47.541 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056492.D
Acq: 25 Jun 2019 17:21

Tgt Ion:106 Resp: 293647
Ion Ratio Lower Upper
106 100
91 214.8 107.1 321.3





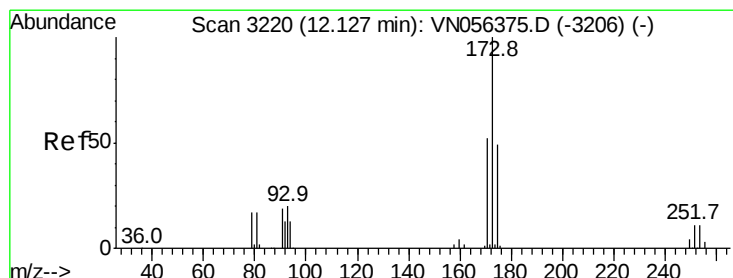
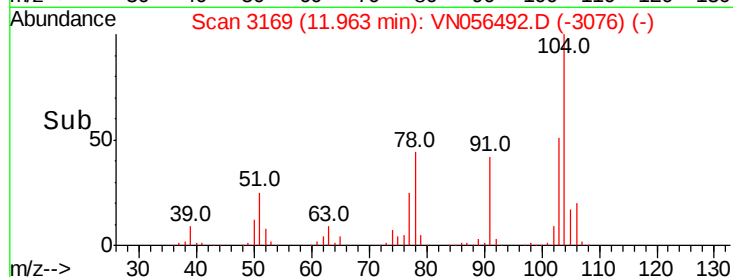
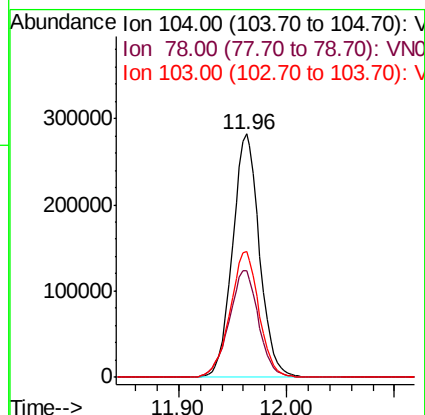
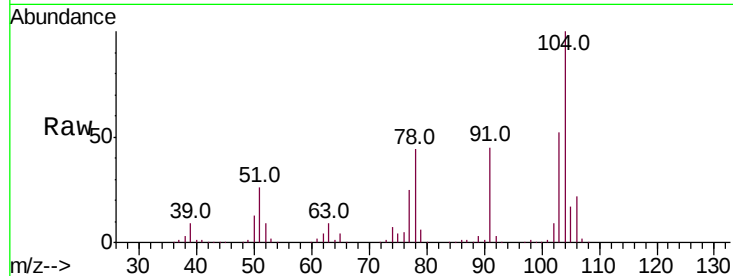
#70
Stvrene
Concen: 49.738 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056492.D
Acq: 25 Jun 2019 17:21

Instrument :
MSVOA_N
ClientSampleId :
SP-19-LF2MW2MSD

Tot Ion	Ratio	Resp	Lower	Upper
104	100	491065		
78	48.0		38.6	57.8
103	55.6		43.9	65.9

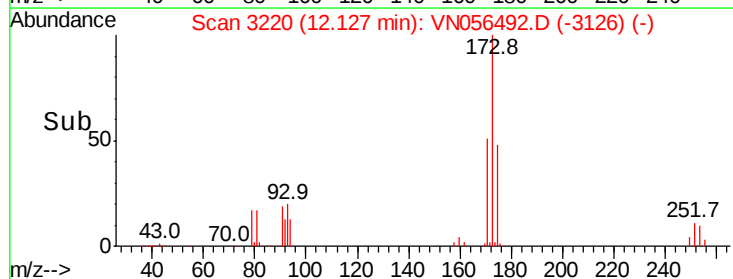
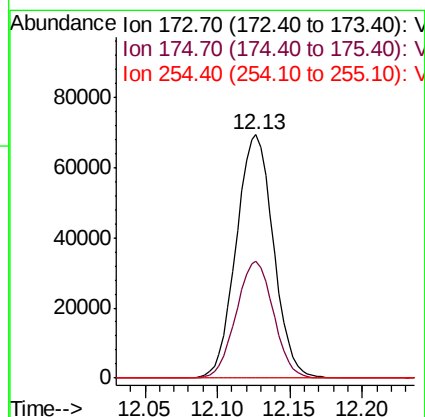
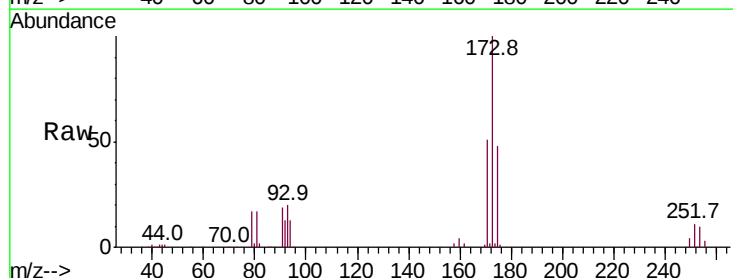
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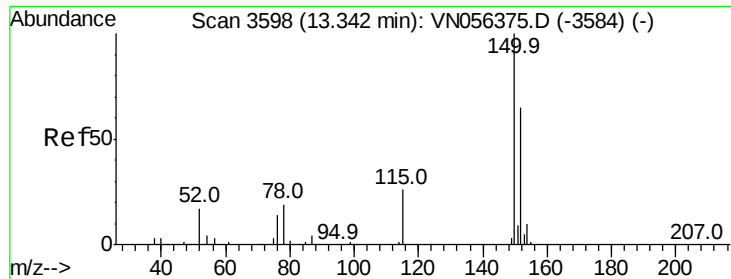
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#71
Bromoform
Concen: 46.988 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056492.D
Acq: 25 Jun 2019 17:21

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	123767		
175	48.0		24.4	73.4
254	0.0		0.0	0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN056492.D

Acq: 25 Jun 2019 17:21

Instrument :

MSVOA_N

ClientSampleId :

SP-19-LF2MW2MSD

Tot Ion:152 Resp: 200739

Ion Ratio Lower Upper

152 100

115 55.4 28.1 84.4

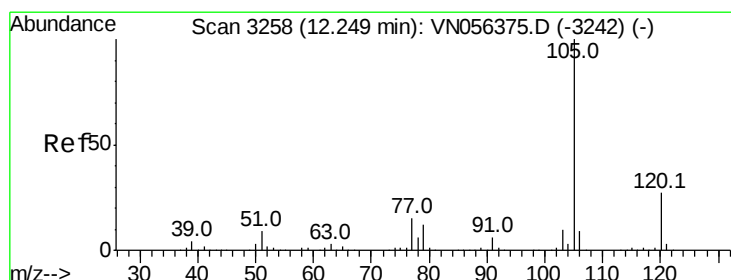
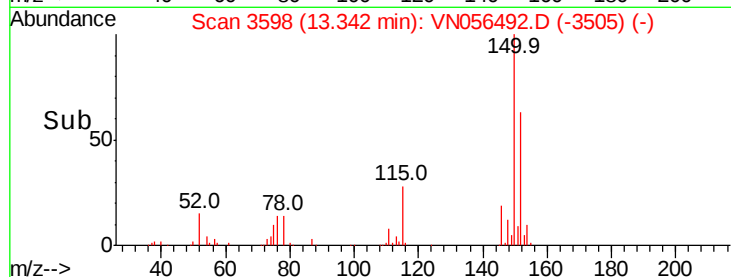
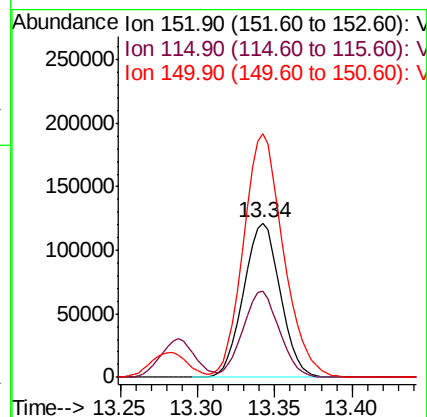
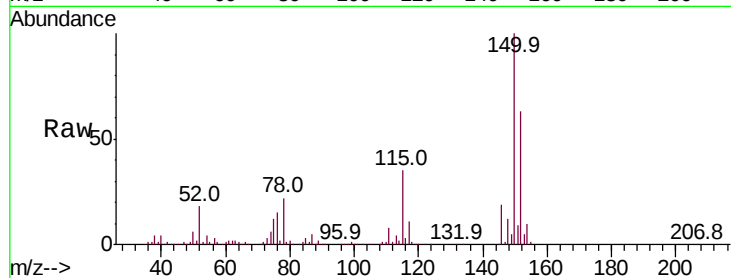
150 171.6 0.0 348.4

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#73

Isopropylbenzene

Concen: 52.060 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056492.D

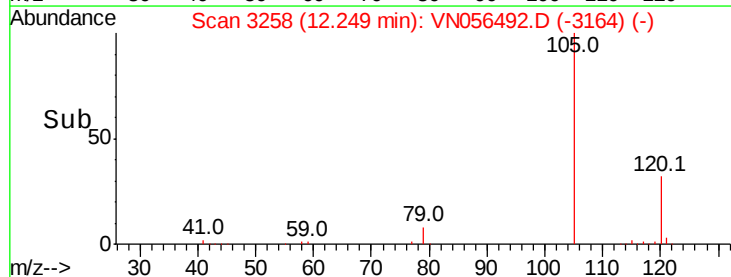
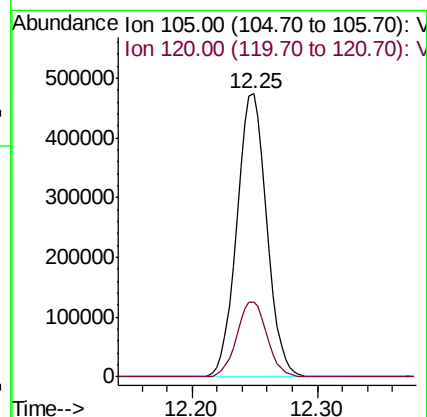
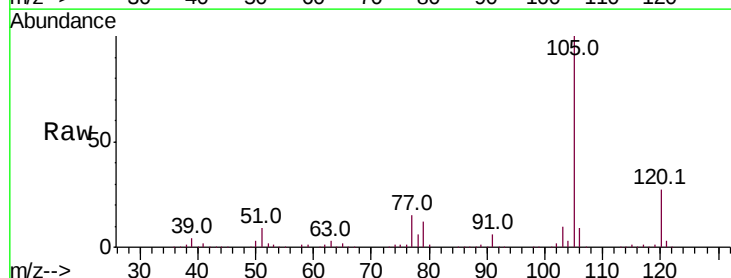
Acq: 25 Jun 2019 17:21

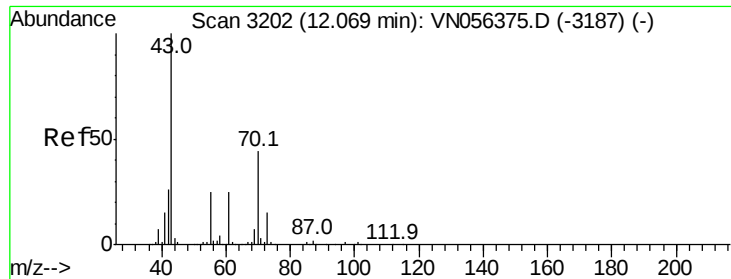
Tgt Ion:105 Resp: 783269

Ion Ratio Lower Upper

105 100

120 26.8 13.4 40.2





#74

N-amvl acetate

Concen: 47.549 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN056492.D

Acq: 25 Jun 2019 17:21

Instrument :

MSVOA_N

ClientSampleId :

SP-19-LF2MW2MSD

Tot Ion: 43 Resp: 303776

Ion Ratio Lower Upper

43 100

70 43.3 34.9 52.3

55 24.9 20.4 30.6

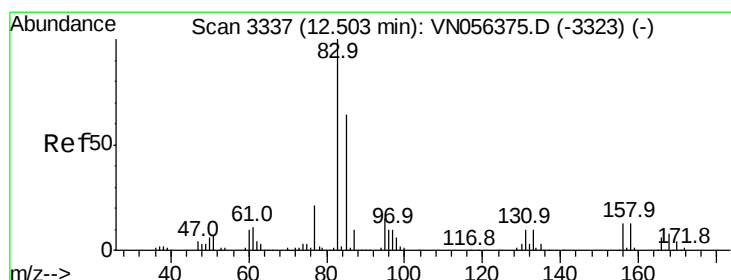
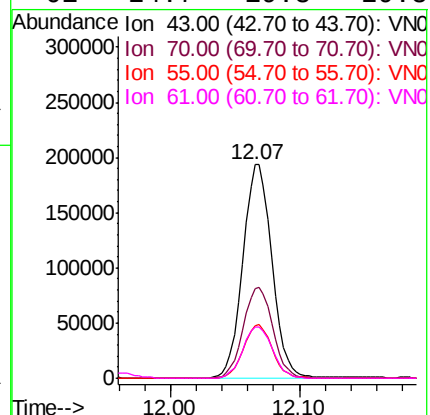
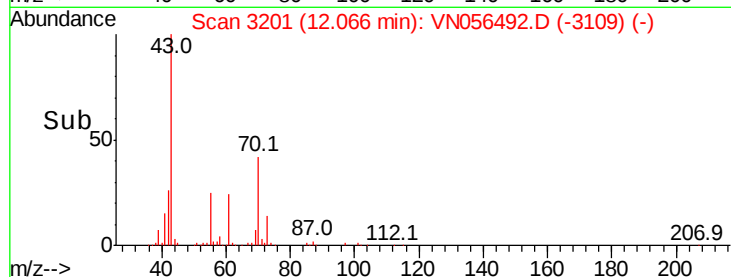
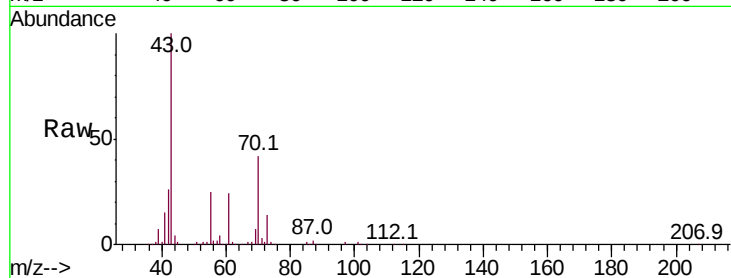
61 24.7 19.8 29.8

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#75

1,1,2,2-Tetrachloroethane

Concen: 54.996 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056492.D

Acq: 25 Jun 2019 17:21

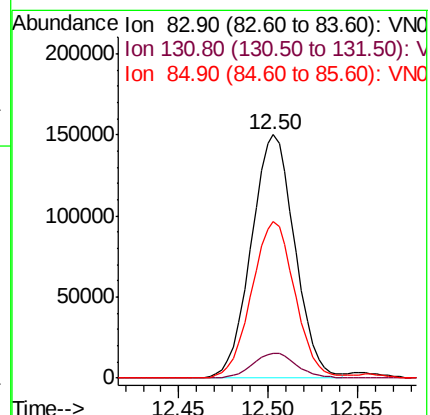
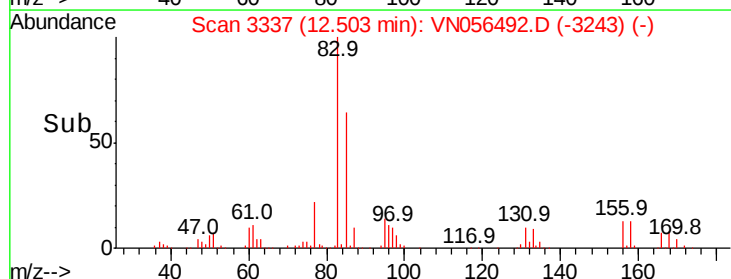
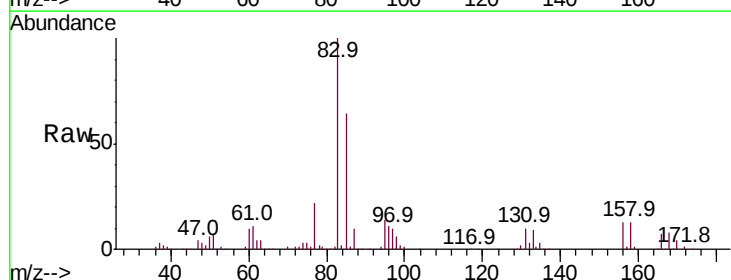
Tgt Ion: 83 Resp: 255272

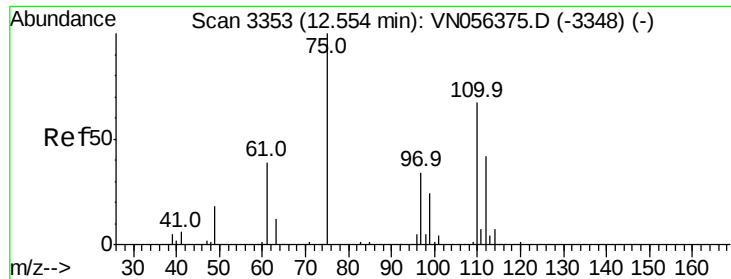
Ion Ratio Lower Upper

83 100

131 10.4 5.3 15.8

85 63.9 32.4 97.0





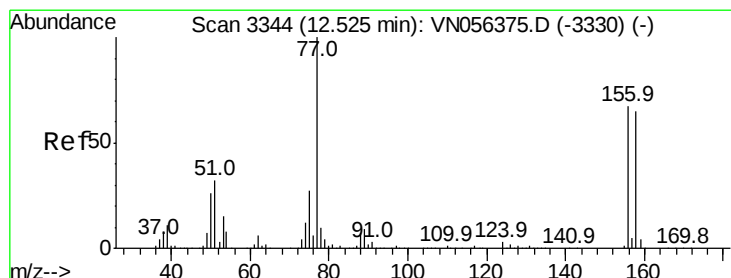
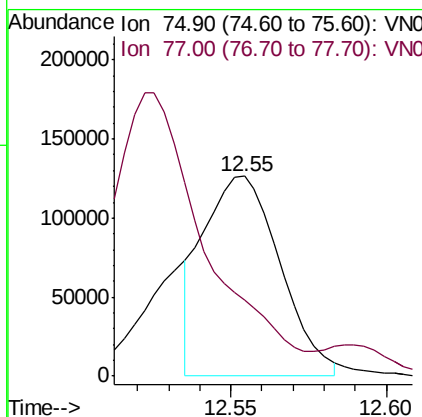
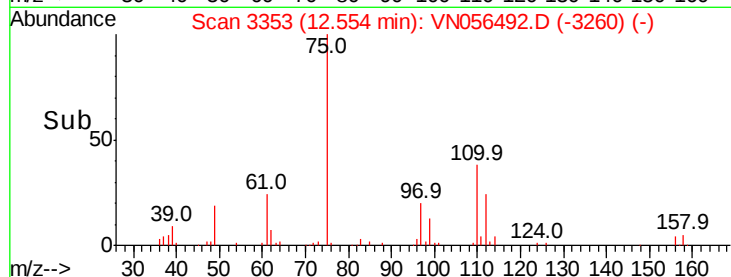
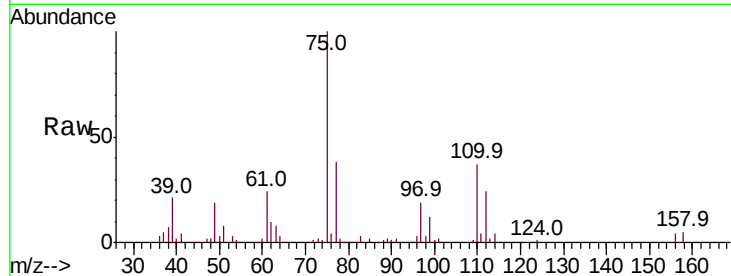
#76
 1,2,3-Trichloropropane
 Concen: 52.212 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN056492.D
 Acq: 25 Jun 2019 17:21

Instrument :
 MSVOA_N
 ClientSampleId :
 SP-19-LF2MW2MSD

Tot Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

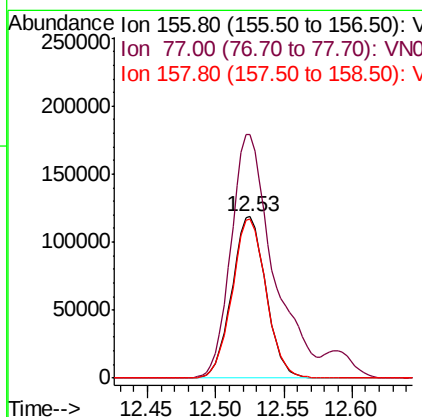
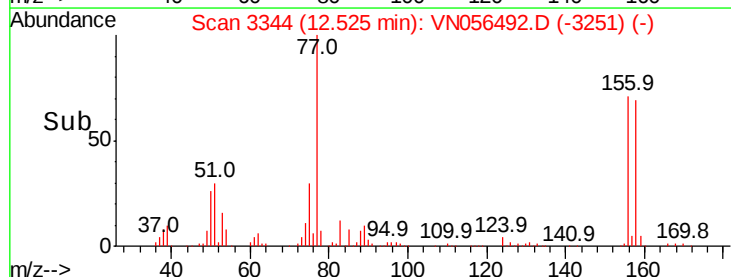
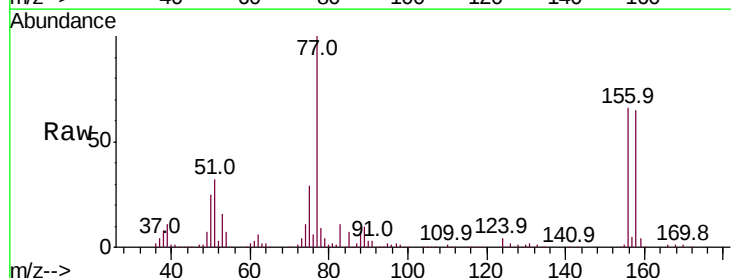
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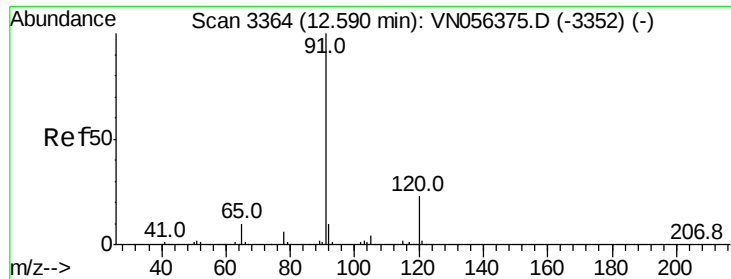
MMDadoda
 6/26/2019 9:28:37 AM



#77
 Bromobenzene
 Concen: 45.801 ug/l
 RT: 12.53 min Scan# 3344
 Delta R.T. 0.00 min
 Lab File: VN056492.D
 Acq: 25 Jun 2019 17:21

Tgt Ion	Ratio	Lower	Upper
156	100		
77	187.8	92.5	277.3
158	98.4	48.7	146.1





#78

n-propylbenzene

Concen: 45.868 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056492.D

Acq: 25 Jun 2019 17:21

Instrument :

MSVOA_N

ClientSampleId :

SP-19-LF2MW2MSD

Tot Ion: 91 Resp: 843193

Ion Ratio Lower Upper

91 100

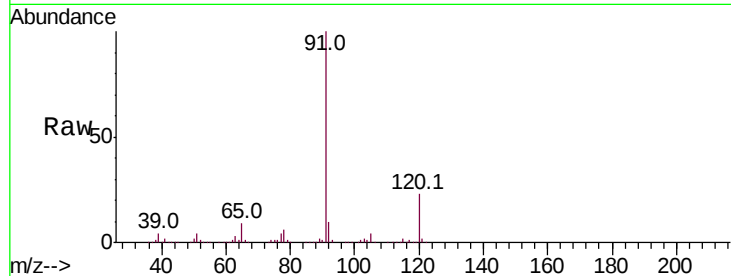
120 23.5 11.8 35.4

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN056375.D (-3352) (-)

Ion 120.00 (119.70 to 120.70): VN056375.D (-3352) (-)

12.59

600000

500000

400000

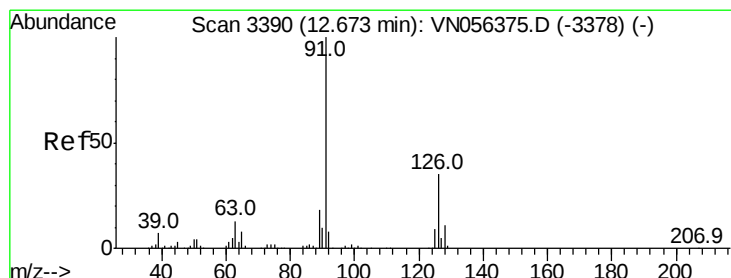
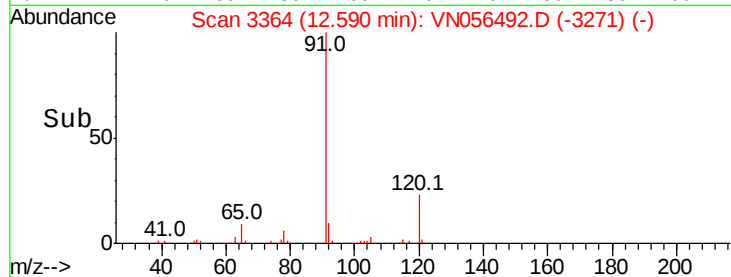
300000

200000

100000

0

Time-->



#79

2-Chlorotoluene

Concen: 51.028 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056492.D

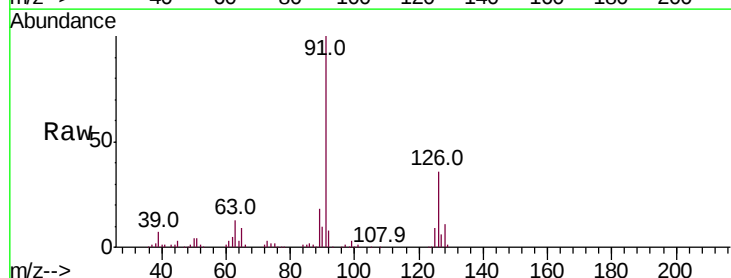
Acq: 25 Jun 2019 17:21

Tgt Ion: 91 Resp: 513844

Ion Ratio Lower Upper

91 100

126 36.2 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VN056375.D (-3378) (-)

Ion 126.00 (125.60 to 126.60): VN056375.D (-3378) (-)

12.67

400000

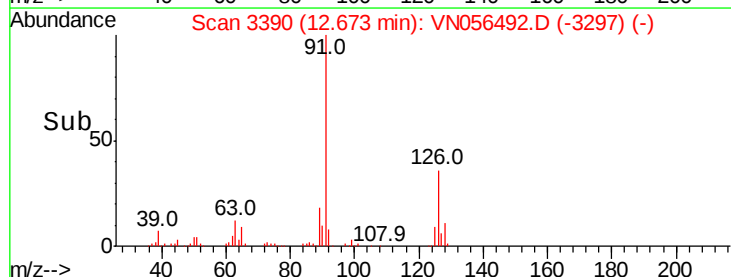
300000

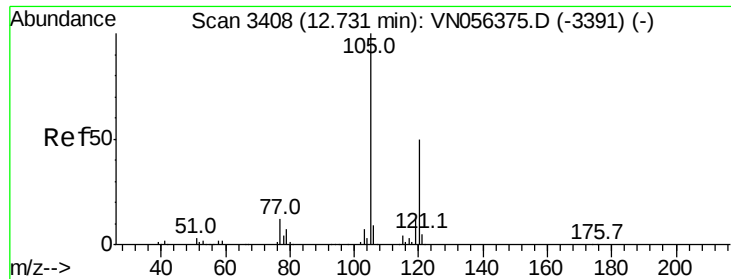
200000

100000

0

Time-->





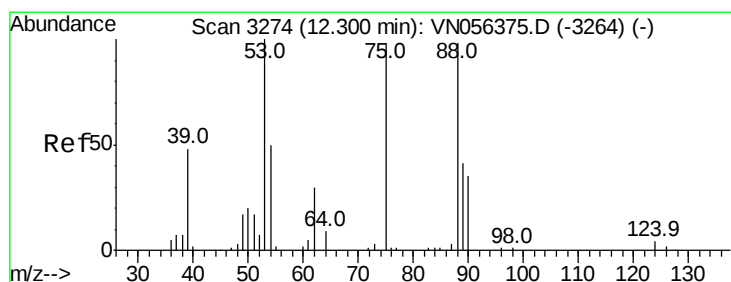
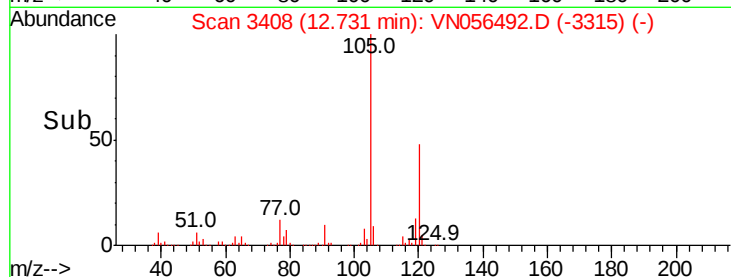
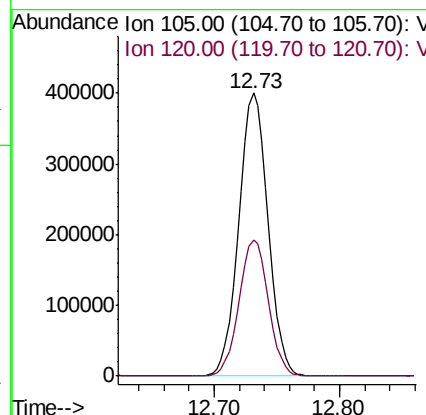
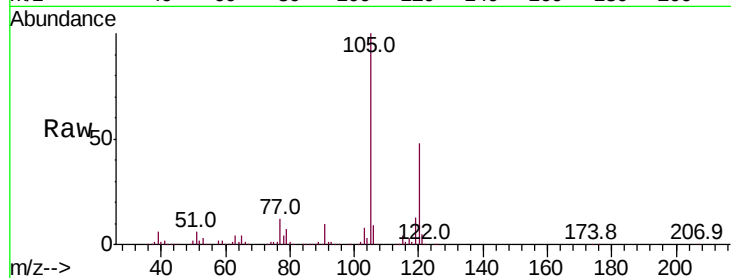
#80
 1,3,5-Trimethylbenzene
 Concen: 51.190 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN056492.D
 Acq: 25 Jun 2019 17:21

Instrument :
 MSVOA_N
 ClientSampleId :
 SP-19-LF2MW2MSD

Tot Ion:105 Resp: 646024
 Ion Ratio Lower Upper
 105 100
 120 48.6 24.8 74.4

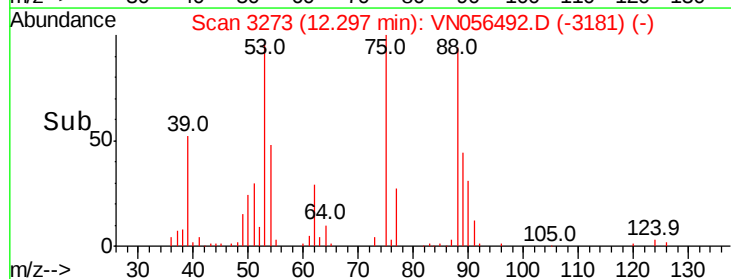
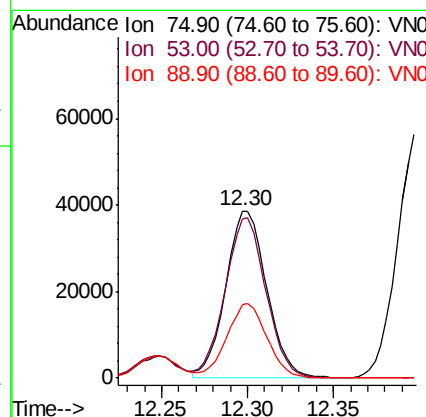
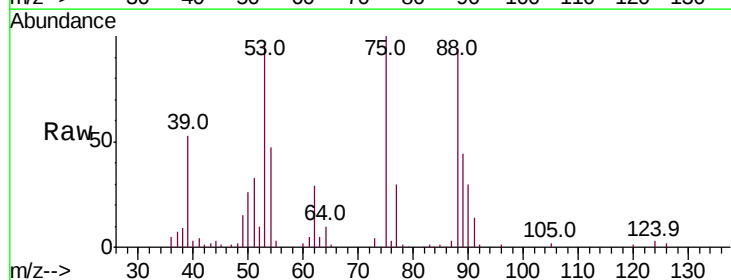
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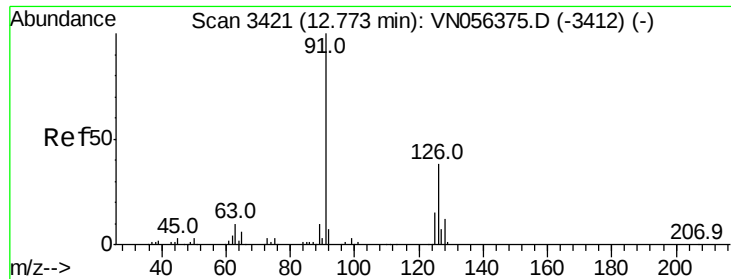
MMDadoda
 6/26/2019 9:28:37 AM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 54.752 ug/l
 RT: 12.30 min Scan# 3273
 Delta R.T. -0.00 min
 Lab File: VN056492.D
 Acq: 25 Jun 2019 17:21

Tgt Ion: 75 Resp: 64121
 Ion Ratio Lower Upper
 75 100
 53 95.8 83.9 125.9
 89 44.0 35.0 52.6





#82

4-Chlorotoluene

Concen: 46.387 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. -0.00 min

Lab File: VN056492.D

Acq: 25 Jun 2019 17:21

Instrument :

MSVOA_N

ClientSampleId :

SP-19-LF2MW2MSD

Tot Ion: 91 Resp: 503489

Ion Ratio Lower Upper

91 100

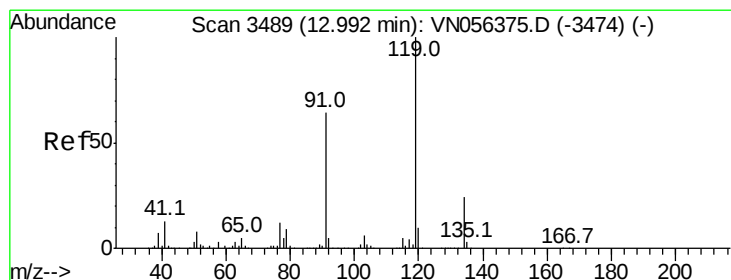
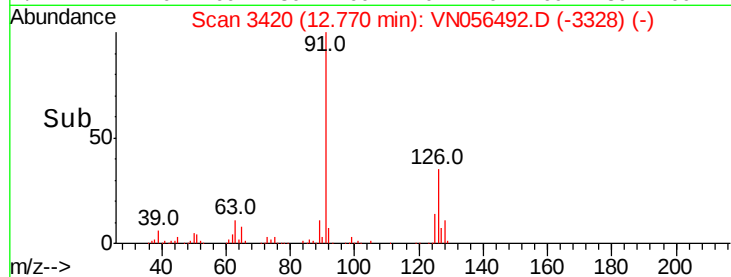
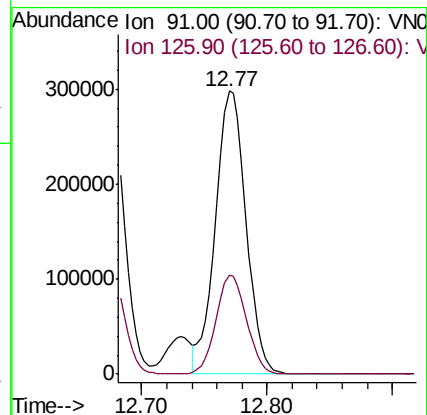
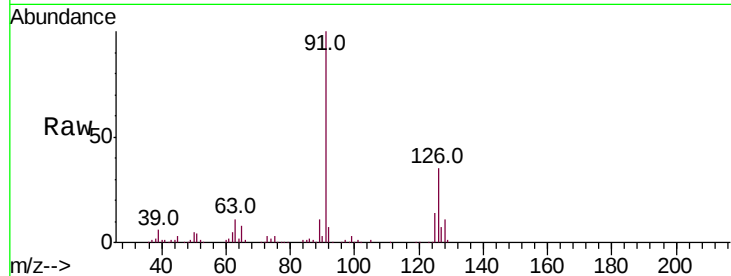
126 34.9 17.3 52.0

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#83

tert-Butylbenzene

Concen: 52.206 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN056492.D

Acq: 25 Jun 2019 17:21

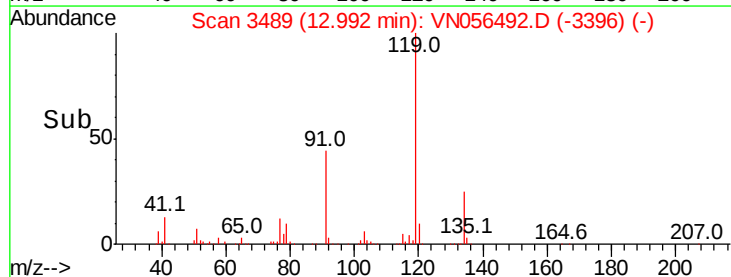
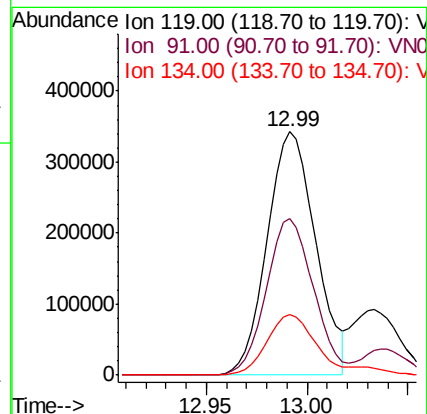
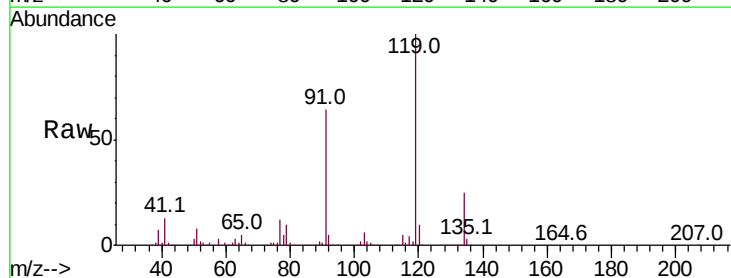
Tgt Ion: 119 Resp: 573359

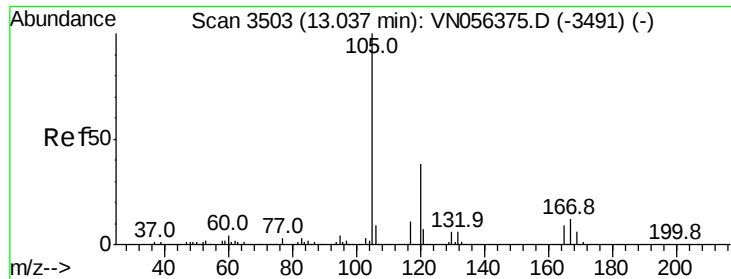
Ion Ratio Lower Upper

119 100

91 62.7 31.6 94.7

134 27.0 13.2 39.5





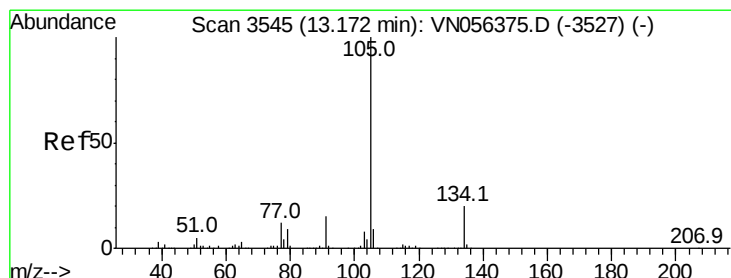
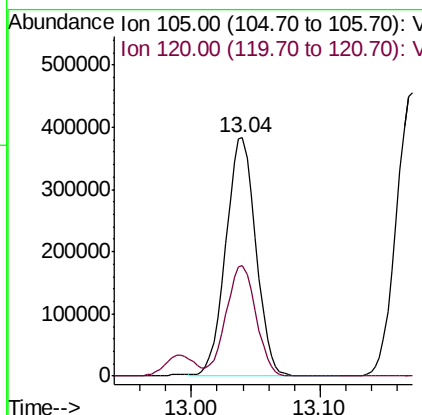
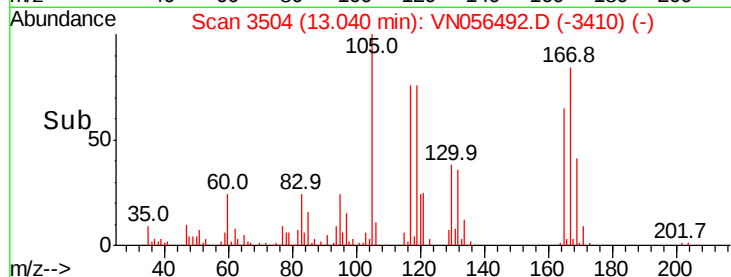
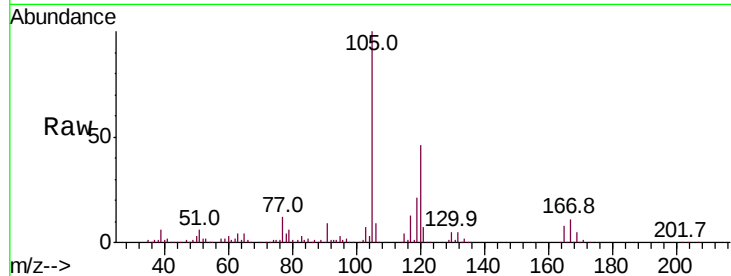
#84
1,2,4-Trimethylbenzene
Concen: 45.685 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN056492.D
Acq: 25 Jun 2019 17:21

Instrument :
MSVOA_N
ClientSampleId :
SP-19-LF2MW2MSD

Tot Ion:105 Resp: 617375
Ion Ratio Lower Upper
105 100
120 46.4 22.9 68.8

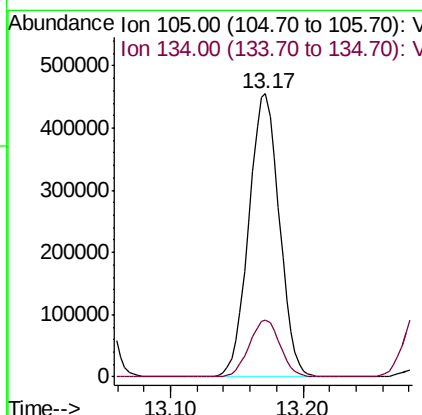
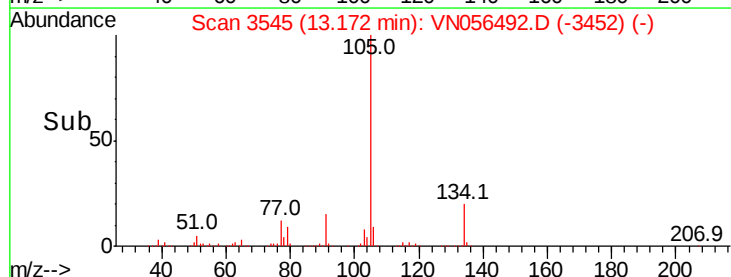
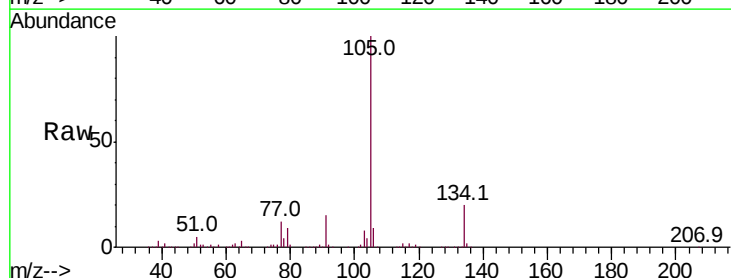
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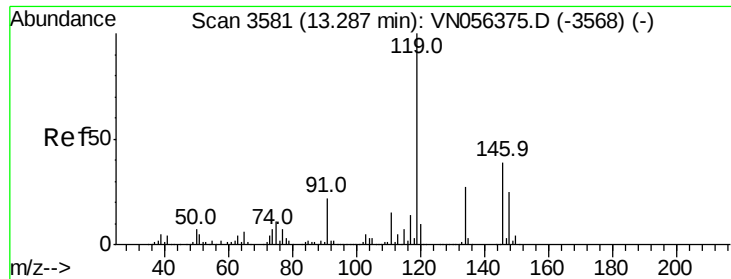
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6/26/2019 9:28:37 AM



#85
sec-Butylbenzene
Concen: 45.043 ug/l
RT: 13.17 min Scan# 3545
Delta R.T. 0.00 min
Lab File: VN056492.D
Acq: 25 Jun 2019 17:21

Tgt Ion:105 Resp: 727781
Ion Ratio Lower Upper
105 100
134 20.3 10.2 30.4





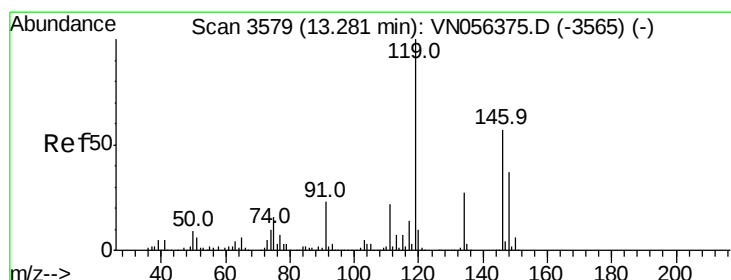
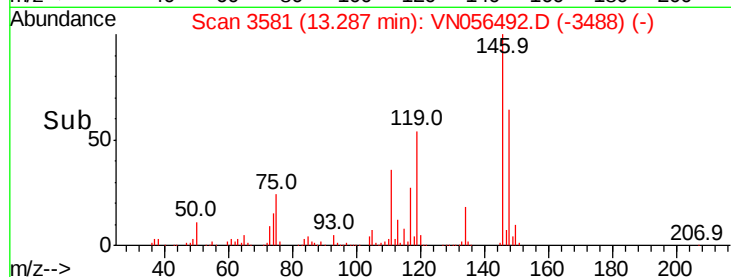
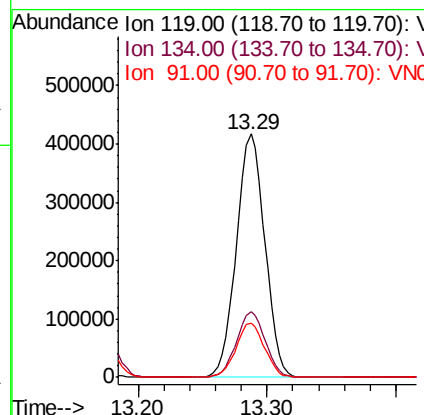
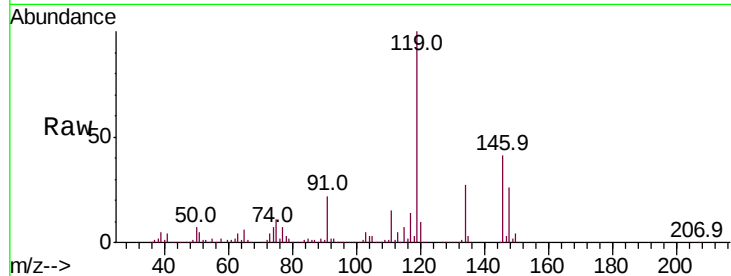
#86
p-Isopropyltoluene
Concen: 46.041 ug/l
RT: 13.29 min Scan# 3581
Delta R.T. 0.00 min
Lab File: VN056492.D
Acq: 25 Jun 2019 17:21

Instrument :
MSVOA_N
ClientSampleId :
SP-19-LF2MW2MSD

Tot Ion	Ratio	Resp	Lower	Upper
119	100	638424		
134	27.2		13.5	40.4
91	22.2		11.2	33.5

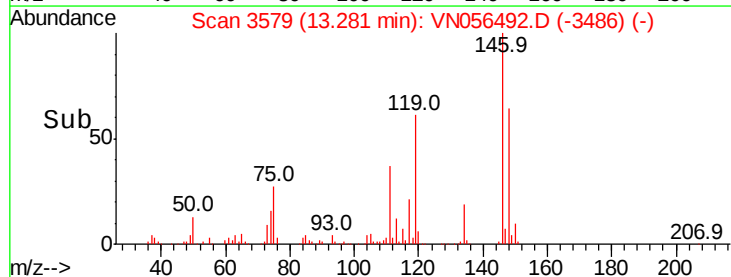
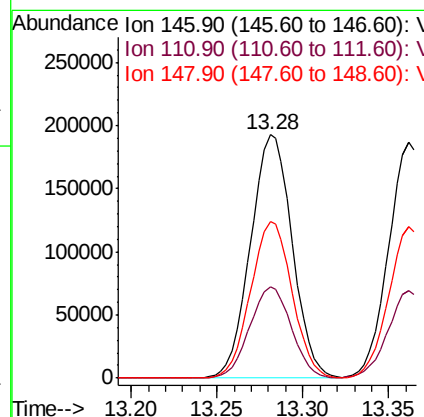
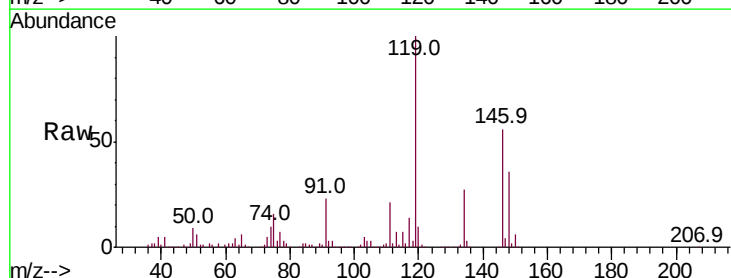
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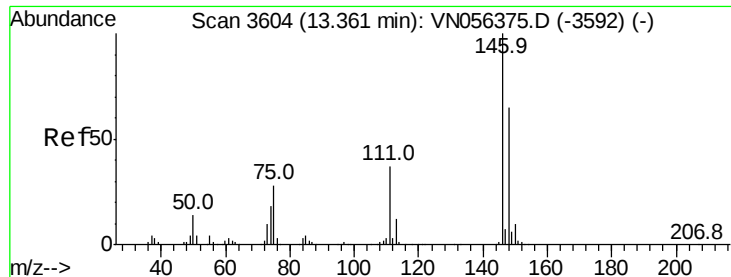
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#87
1,3-Dichlorobenzene
Concen: 47.688 ug/l
RT: 13.28 min Scan# 3579
Delta R.T. 0.00 min
Lab File: VN056492.D
Acq: 25 Jun 2019 17:21

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	324384		
111	37.3		18.9	56.9
148	63.8		32.1	96.5





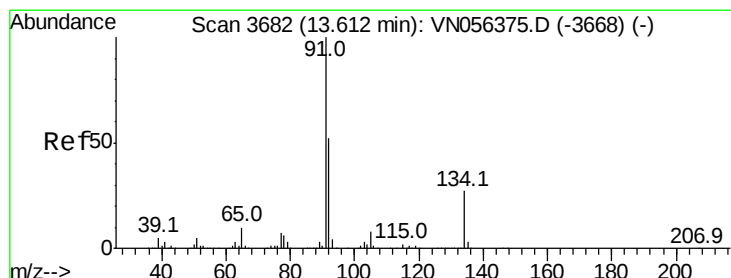
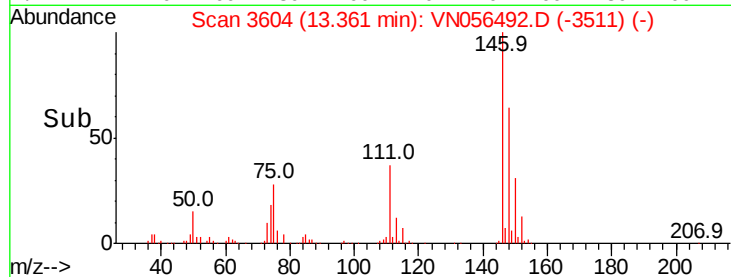
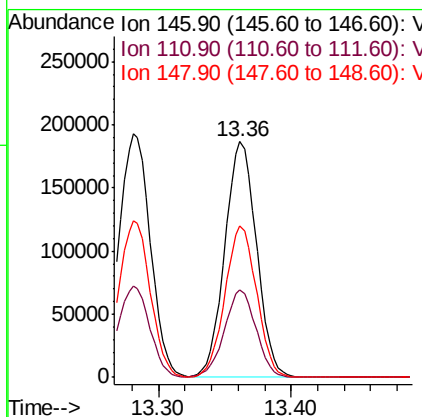
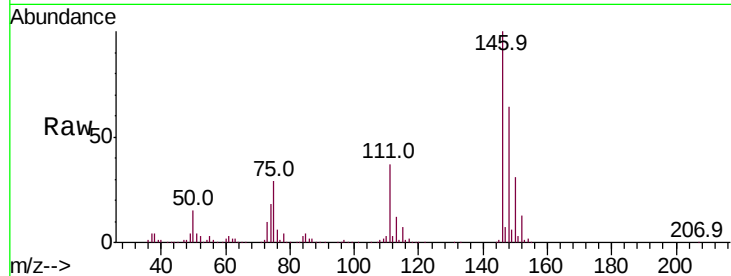
#88
 1,4-Dichlorobenzene
 Concen: 47.159 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056492.D
 Acq: 25 Jun 2019 17:21

Instrument :
 MSVOA_N
 ClientSampleId :
 SP-19-LF2MW2MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.4	55.4
148	64.0	32.4	97.0

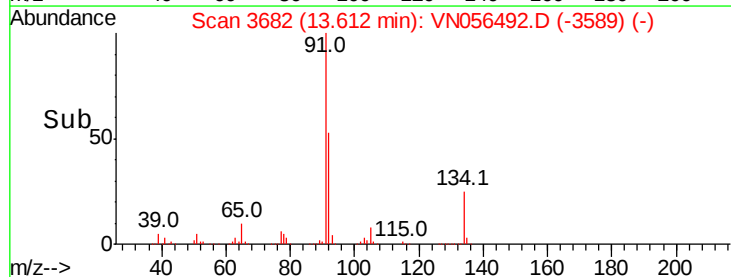
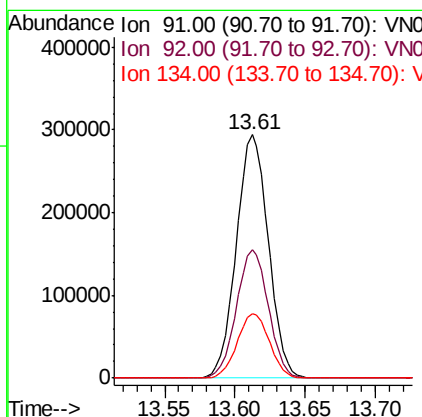
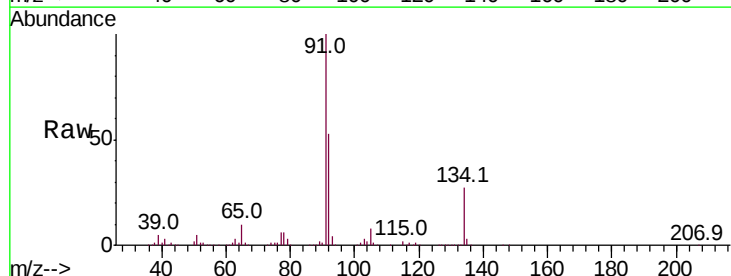
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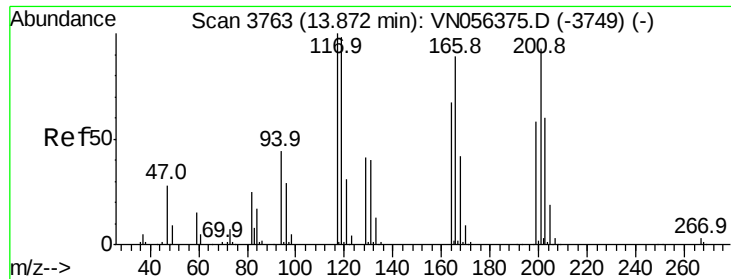
MMDadoda
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#89
 n-Butylbenzene
 Concen: 44.706 ug/l
 RT: 13.61 min Scan# 3682
 Delta R.T. 0.00 min
 Lab File: VN056492.D
 Acq: 25 Jun 2019 17:21

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.2	78.5
134	26.7	13.4	40.2





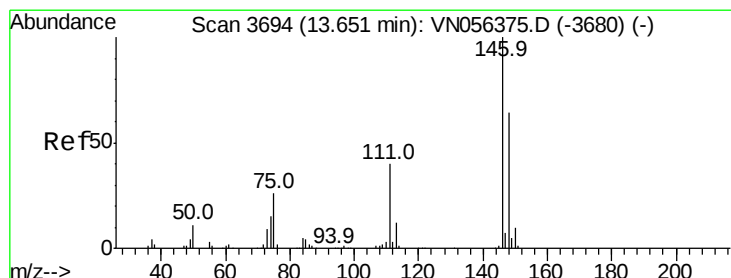
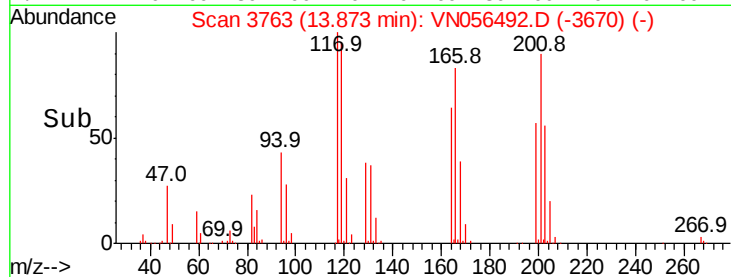
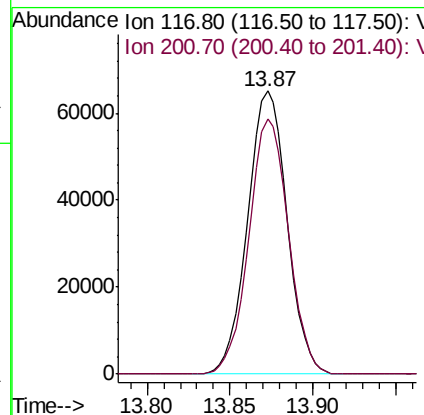
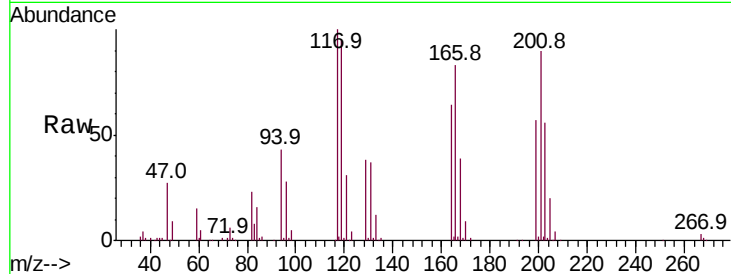
#90
Hexachloroethane
Concen: 50.077 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056492.D
Acq: 25 Jun 2019 17:21

Instrument :
MSVOA_N
ClientSampleId :
SP-19-LF2MW2MSD

Tot Ion:117 Resp: 108258
Ion Ratio Lower Upper
117 100
201 90.2 45.9 137.6

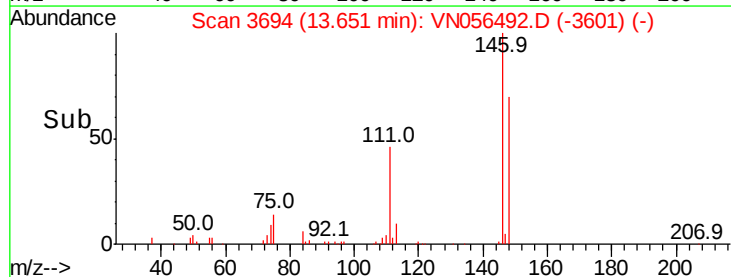
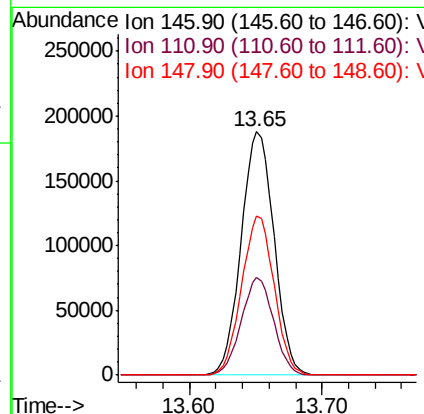
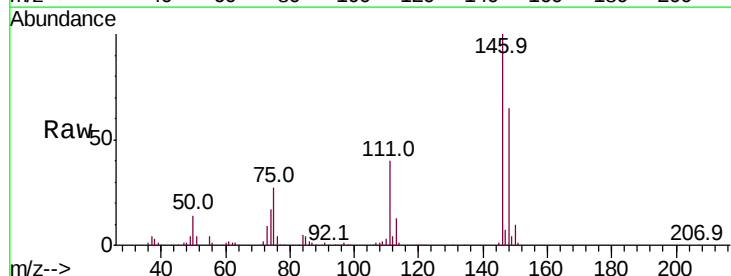
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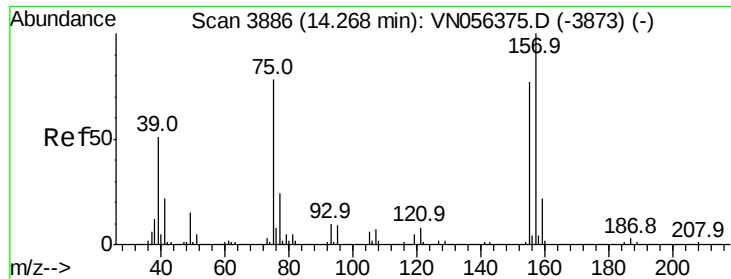
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#91
1,2-Dichlorobenzene
Concen: 47.914 ug/l
RT: 13.65 min Scan# 3694
Delta R.T. 0.00 min
Lab File: VN056492.D
Acq: 25 Jun 2019 17:21

Tgt Ion:146 Resp: 323357
Ion Ratio Lower Upper
146 100
111 39.3 19.3 57.9
148 64.7 32.0 96.0





#92

1,2-Dibromo-3-Chloropropane

Concen: 52.779 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN056492.D

Acq: 25 Jun 2019 17:21

Instrument :

MSVOA_N

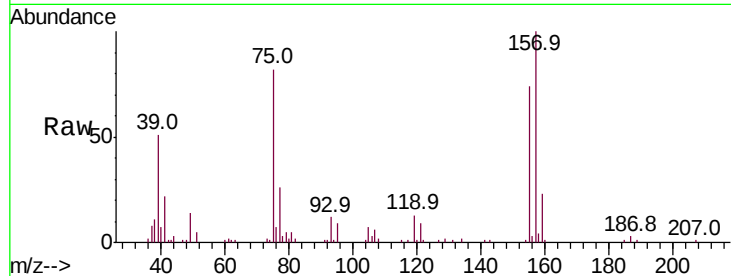
ClientSampleId :

SP-19-LF2MW2MSD

Tot Ion:	75	Resp:	39202
Ion	Ratio	Lower	Upper
75	100		
155	95.6	48.9	146.8
157	123.0	62.9	188.8

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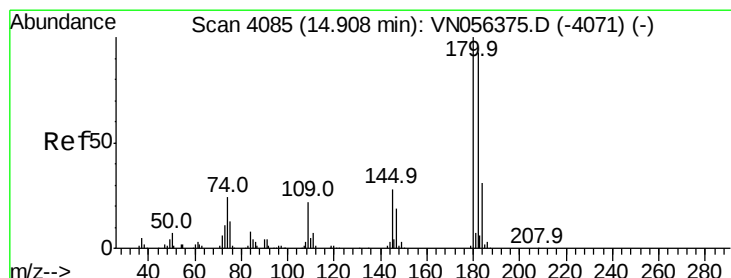
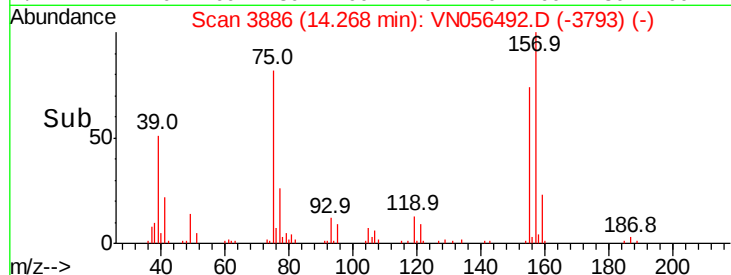
Abundance Ion 74.90 (74.60 to 75.60): VN056375.D (-3873) (-)

Ion 154.80 (154.50 to 155.50): VN056375.D (-3873) (-)

Ion 156.80 (156.50 to 157.50): VN056375.D (-3873) (-)

14.27

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 40.114 ug/l

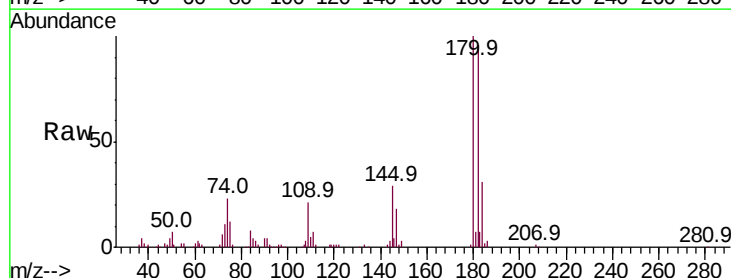
RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN056492.D

Acq: 25 Jun 2019 17:21

Tgt Ion:	180	Resp:	136586
Ion	Ratio	Lower	Upper
180	100		
182	95.3	46.9	140.6
145	28.7	14.4	43.0



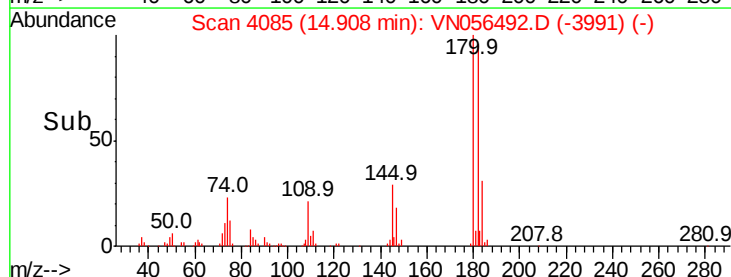
Abundance Ion 179.80 (179.50 to 180.50): VN056375.D (-4071) (-)

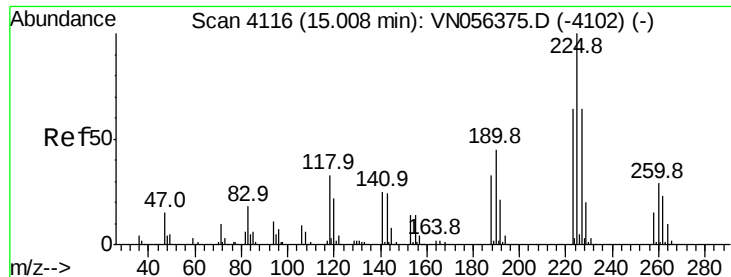
Ion 181.80 (181.50 to 182.50): VN056375.D (-4071) (-)

Ion 144.80 (144.50 to 145.50): VN056375.D (-4071) (-)

14.91

Time-->





#94

Hexachlorobutadiene

Concen: 49.037 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN056492.D

Acq: 25 Jun 2019 17:21

Instrument :

MSVOA_N

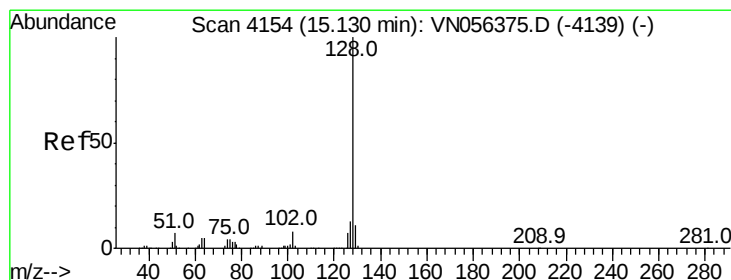
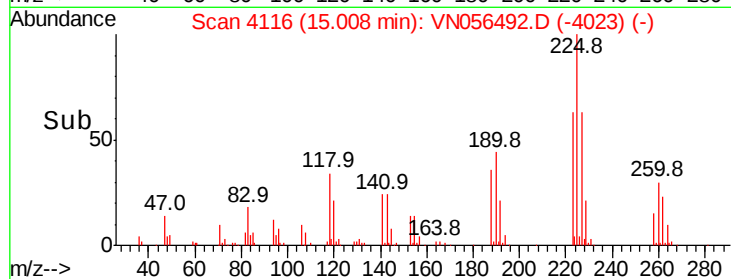
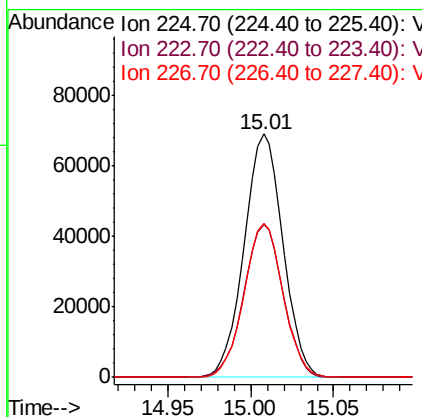
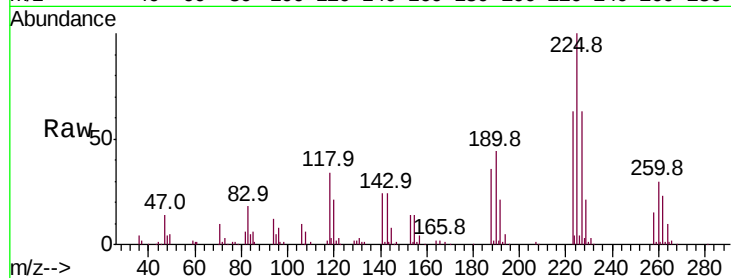
ClientSampleId :

SP-19-LF2MW2MSD

Tot Ion	Ratio	Resp	Lower	Upper
225	100	112233		
223	63.3	31.4	94.3	
227	63.2	32.1	96.3	

Manual Integrations
APPROVED

MMDadoda
6/26/2019 9:28:37 AM



#95

Naphthalene

Concen: 42.595 ug/l

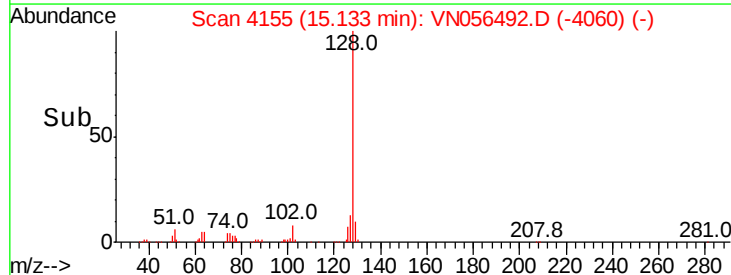
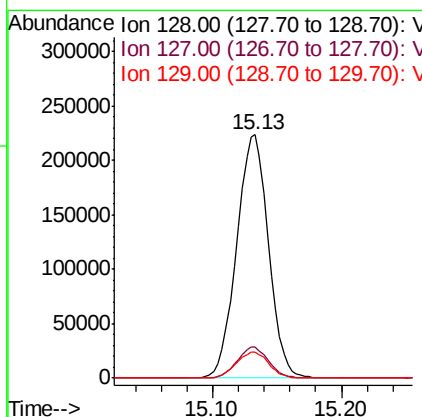
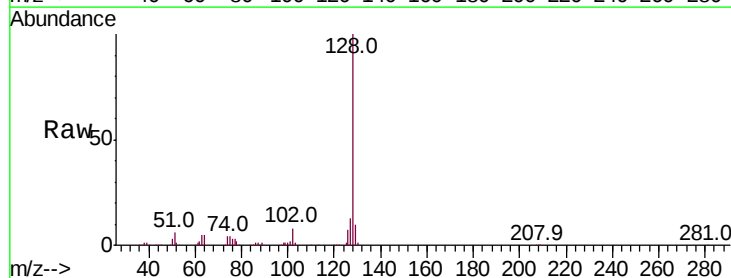
RT: 15.13 min Scan# 4155

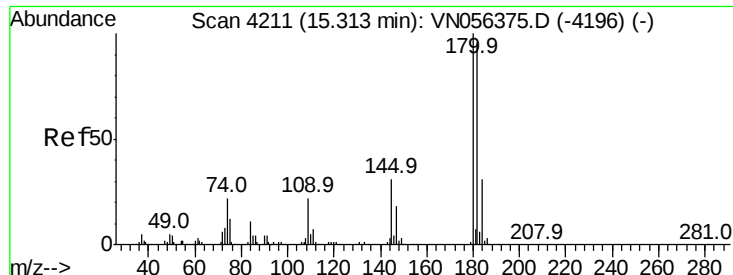
Delta R.T. 0.00 min

Lab File: VN056492.D

Acq: 25 Jun 2019 17:21

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	383270		
127	12.6	10.2	15.2	
129	11.0	8.6	12.8	





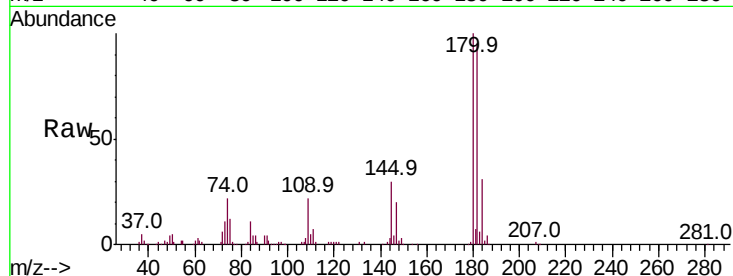
#96
 1,2,3-Trichlorobenzene
 Concen: 43.310 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN056492.D
 Acq: 25 Jun 2019 17:21

Instrument :
 MSVOA_N
 ClientSampleId :
 SP-19-LF2MW2MSD

Tot Ion	Ratio	Resp Lower	Upper
180	100		
182	94.3	48.3	144.8
145	30.3	15.4	46.1

Manual Integrations
 APPROVED

MMDadoda
 6/26/2019 9:28:37 AM



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

