

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072319\
 Data File : VN056884.D
 Acq On : 23 Jul 2019 17:27
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/24/2019 1:14:12 PM

Quant Time: Jul 24 02:23:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072219W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 23 01:46:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	318104	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	478099	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	430812	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	190558	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	190144	56.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.08%	
35) Dibromofluoromethane	7.59	113	169843	56.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.10%	
50) Toluene-d8	10.09	98	640838	55.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.56%	
62) 4-Bromofluorobenzene	12.40	95	214548	56.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	202687	52.151	ug/l	99
3) Chloromethane	2.06	50	232302	52.325	ug/l	100
4) Vinyl Chloride	2.18	62	211809	51.934	ug/l	99
5) Bromomethane	2.55	94	121084	48.810	ug/l	97
6) Chloroethane	2.70	64	115562	51.705	ug/l	99
7) Trichlorofluoromethane	3.01	101	261404	52.464	ug/l	99
8) Diethyl Ether	3.41	74	98320	52.959	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	164491	53.382	ug/l	100
10) Methyl Iodide	3.94	142	239170	55.202	ug/l	99
11) Tert butyl alcohol	4.81	59	142643	295.939	ug/l	98
12) 1,1-Dichloroethene	3.72	96	163219	52.873	ug/l	99
13) Acrolein	3.60	56	90450	225.532	ug/l	97
14) Allyl chloride	4.31	41	271117	53.420	ug/l	100
15) Acrylonitrile	4.99	53	415636	286.574	ug/l	99
16) Acetone	3.82	43	314413	257.322	ug/l	100
17) Carbon Disulfide	4.04	76	424061	50.330	ug/l	99
18) Methyl Acetate	4.33	43	231801	58.182	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	498828	54.694	ug/l	99
20) Methylene Chloride	4.54	84	188342	51.550	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	171109	53.063	ug/l	98
22) Diisopropyl ether	5.96	45	566384	55.201	ug/l	99
23) Vinyl Acetate	5.90	43	2097920	283.062	ug/l	100
24) 1,1-Dichloroethane	5.85	63	323452	54.412	ug/l	99
25) 2-Butanone	6.84	43	517833	288.327	ug/l	99
26) 2,2-Dichloropropane	6.82	77	223323	53.688	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	200376	54.203	ug/l	99
28) Bromochloromethane	7.19	49	156587	58.030	ug/l	100
29) Tetrahydrofuran	7.22	42	353975	286.662	ug/l	99
30) Chloroform	7.37	83	315925	53.014	ug/l	99
31) Cyclohexane	7.65	56	300192	52.051	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	263226	54.601	ug/l	99
36) 1,1-Dichloropropene	7.79	75	239635	54.351	ug/l	99
37) Ethyl Acetate	6.93	43	214383	60.295	ug/l	99
38) Carbon Tetrachloride	7.77	117	227806	54.275	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	299755	54.331	ug/l	98
40) Benzene	8.04	78	737672	53.862	ug/l	98
41) Methacrylonitrile	7.17	41	104200	59.025	ug/l	95
42) 1,2-Dichloroethane	8.12	62	232661	54.370	ug/l	100
43) Isopropyl Acetate	8.17	43	348150	56.958	ug/l	100
44) Trichloroethene	8.83	130	200204	54.581	ug/l	99
45) 1,2-Dichloropropane	9.12	63	199348	54.032	ug/l	97
46) Dibromomethane	9.21	93	123604	54.278	ug/l	100
47) Bromodichloromethane	9.40	83	236384	55.197	ug/l	99
48) Methyl methacrylate	9.20	41	172985	56.573	ug/l	99
49) 1,4-Dioxane	9.20	88	67287	1121.862	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1060515	290.954	ug/l	100
52) Toluene	10.15	92	453382	55.013	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	253255	57.619	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	290422	56.047	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	178441	54.551	ug/l	99
56) Ethyl methacrylate	10.43	69	266016	58.583	ug/l	99
57) 1,3-Dichloropropane	10.71	76	301486	55.682	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	563680	263.334	ug/l	100
59) 2-Hexanone	10.75	43	747554	296.295	ug/l	99
60) Dibromochloromethane	10.90	129	186609	56.852	ug/l	99
61) 1,2-Dibromoethane	11.00	107	183054	56.348	ug/l	100
64) Tetrachloroethene	10.63	164	204562	55.349	ug/l	99
65) Chlorobenzene	11.43	112	482930	53.942	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	183847	54.470	ug/l	99
67) Ethyl Benzene	11.51	91	859721	55.627	ug/l	99
68) m/p-Xylenes	11.62	106	639797	110.577	ug/l	98
69) o-Xylene	11.95	106	308780	54.668	ug/l	98
70) Styrene	11.96	104	525084	52.946	ug/l	99
71) Bromoform	12.13	173	132779	56.769	ug/l #	98
73) Isopropylbenzene	12.25	105	826742	57.724	ug/l	100
74) N-amyl acetate	12.07	43	292075	52.202	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	240873	58.924	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	210435m	53.286	ug/l	
77) Bromobenzene	12.53	156	219879	52.899	ug/l	100
78) n-propylbenzene	12.59	91	917016	52.355	ug/l	100
79) 2-Chlorotoluene	12.67	91	546334	57.180	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	694362	57.283	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	70643	57.292	ug/l	98
82) 4-Chlorotoluene	12.77	91	533196	51.167	ug/l	99
83) tert-Butylbenzene	12.99	119	600144	57.092	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	691032	52.344	ug/l	100
85) sec-Butylbenzene	13.17	105	786546	50.699	ug/l	100
86) p-Isopropyltoluene	13.29	119	716546	51.846	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	345331	51.829	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	337982	52.216	ug/l	100
89) n-Butylbenzene	13.61	91	579107	54.499	ug/l	100
90) Hexachloroethane	13.87	117	122383	50.719	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	347526	51.894	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	39115	53.646	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	170586	47.607	ug/l	100
94) Hexachlorobutadiene	15.00	225	124657	56.134	ug/l	99
95) Naphthalene	15.13	128	457696	49.404	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	184506	50.190	ug/l	98

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

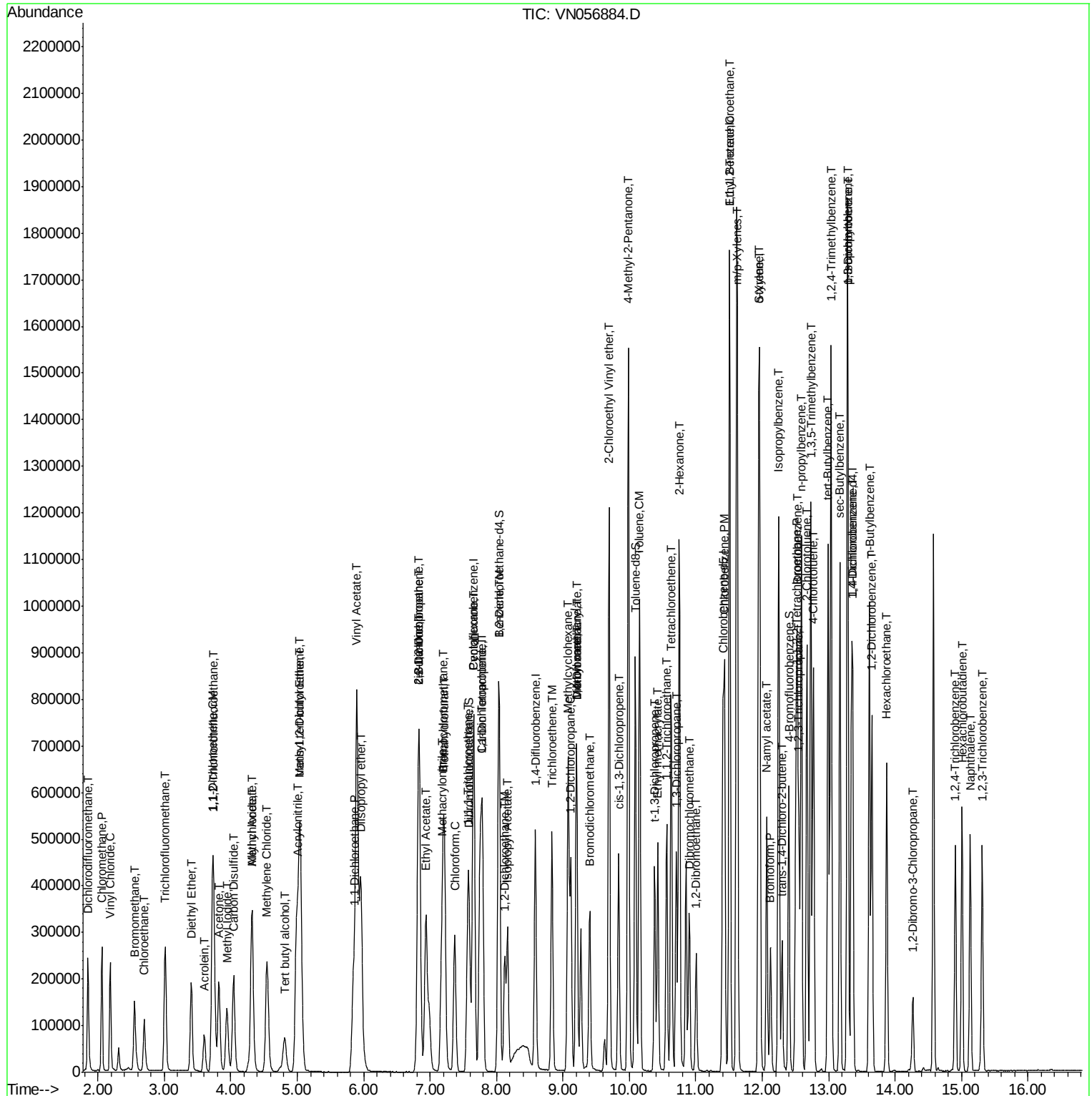
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Data File : VN056884.D
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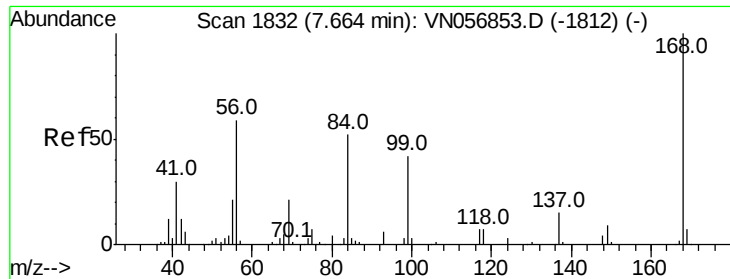
Instrument :
MSVOA_N
Client Sample ID :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN056884.D

Acq: 23 Jul 2019 17:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 318104

Ion Ratio Lower Upper

168 100

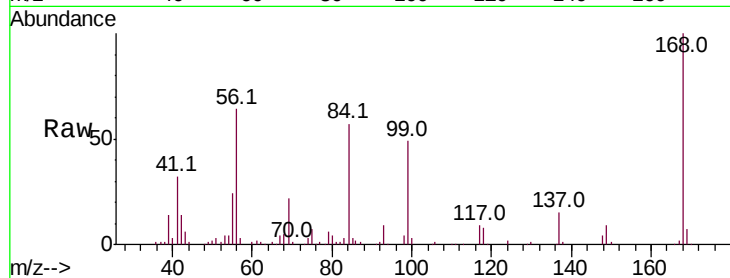
99 49.3 40.9 61.3

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

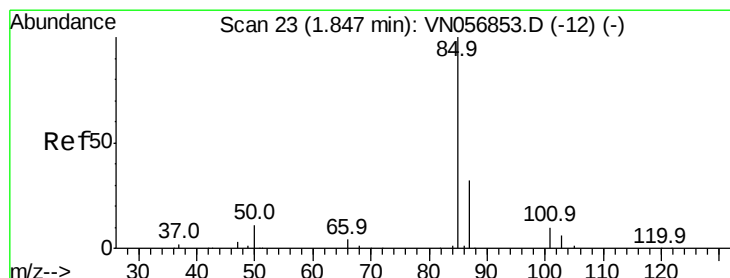
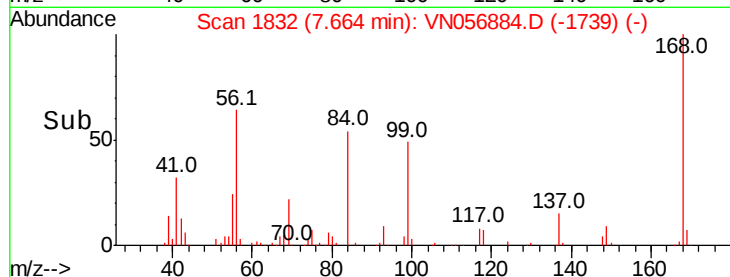
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 52.151 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN056884.D

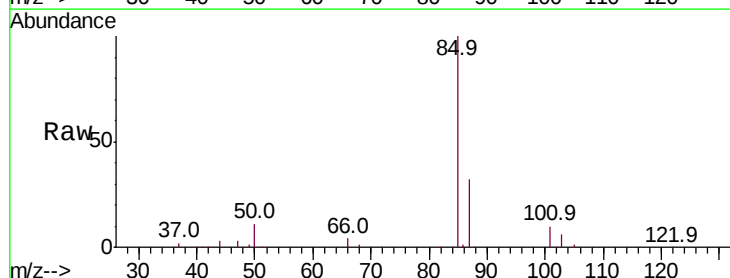
Acq: 23 Jul 2019 17:27

Tgt Ion: 85 Resp: 202687

Ion Ratio Lower Upper

85 100

87 31.6 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

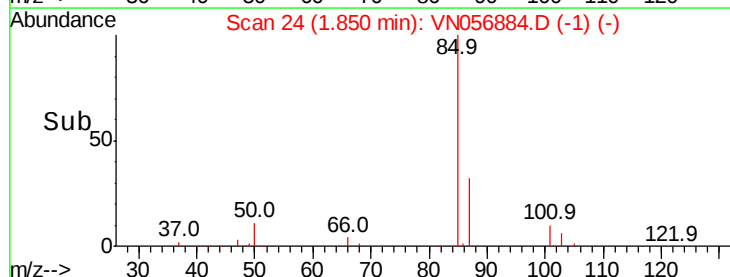
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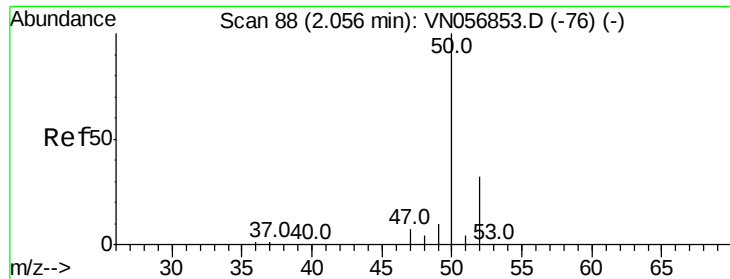
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50000

0

Time-->





#3

Chloromethane

Concen: 52.325 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056884.D

Acq: 23 Jul 2019 17:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 232302

Ion Ratio Lower Upper

50 100

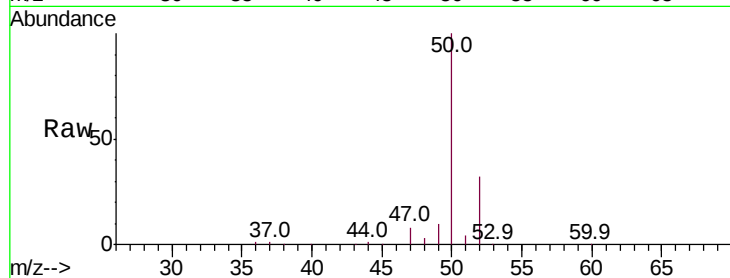
52 32.2 25.9 38.9

Manual Integrations

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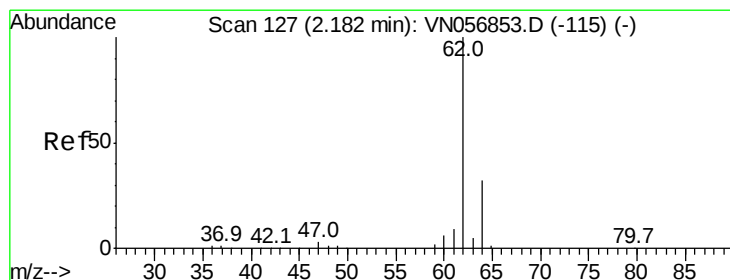
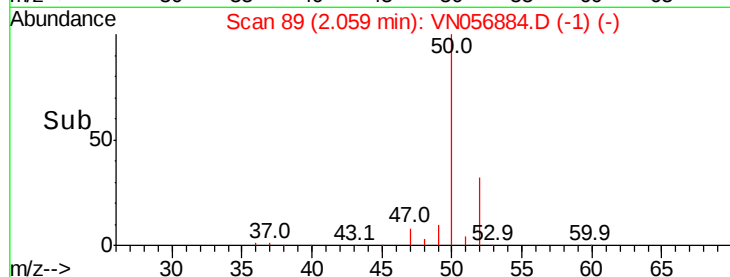
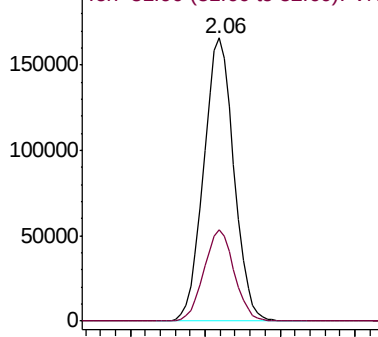
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 51.934 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN056884.D

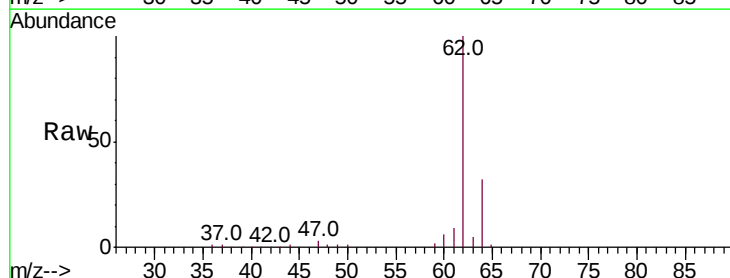
Acq: 23 Jul 2019 17:27

Tgt Ion: 62 Resp: 211809

Ion Ratio Lower Upper

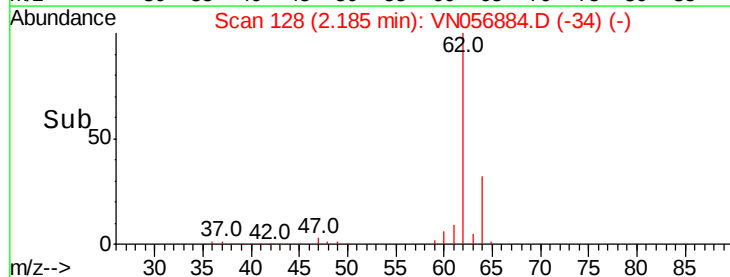
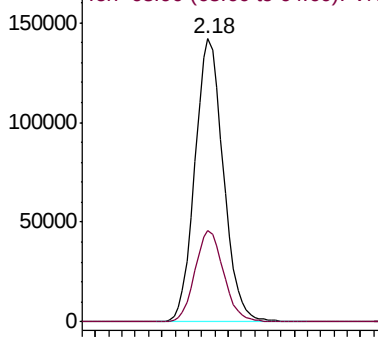
62 100

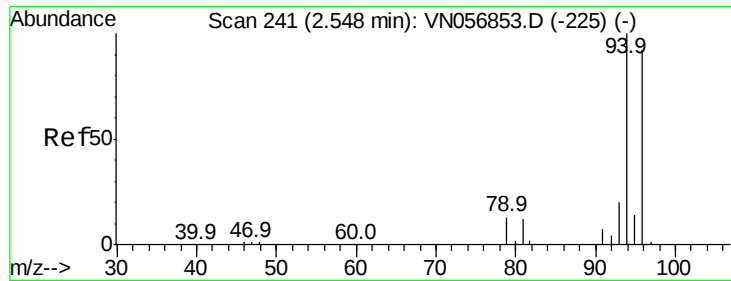
64 32.2 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 48.810 ug/l

RT: 2.55 min Scan# 242

Delta R.T. 0.00 min

Lab File: VN056884.D

Acq: 23 Jul 2019 17:27

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 121084

Ion Ratio Lower Upper

94 100

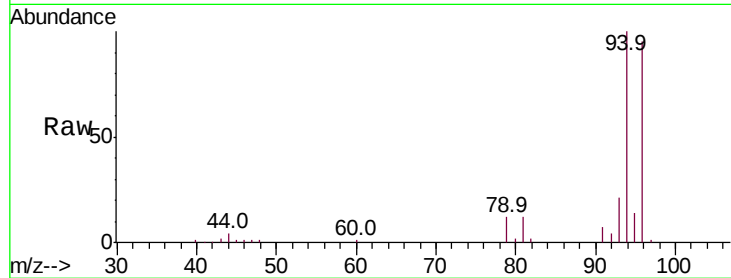
96 94.6 73.6 110.4

Manual Integrations

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7/24/2019 1:14:12 PM



Abundance Ion 93.90 (93.60 to 94.60): VN056884.D (-148) (-)

Ion 95.90 (95.60 to 96.60): VN056884.D (-148) (-)

2.55

60000

50000

40000

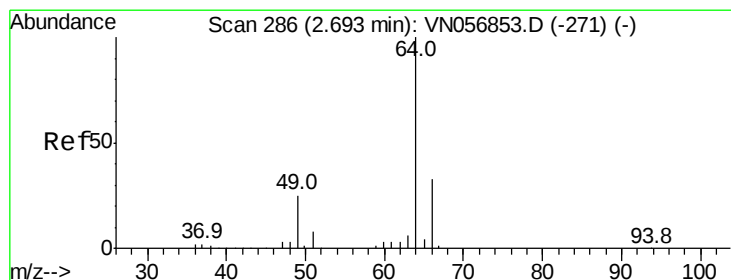
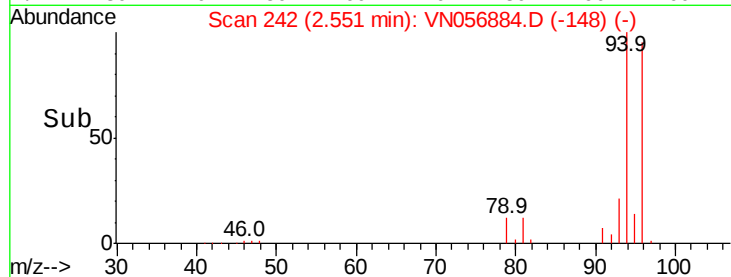
30000

20000

10000

0

Time--> 2.50 2.60



#6

Chloroethane

Concen: 51.705 ug/l

RT: 2.70 min Scan# 287

Delta R.T. 0.00 min

Lab File: VN056884.D

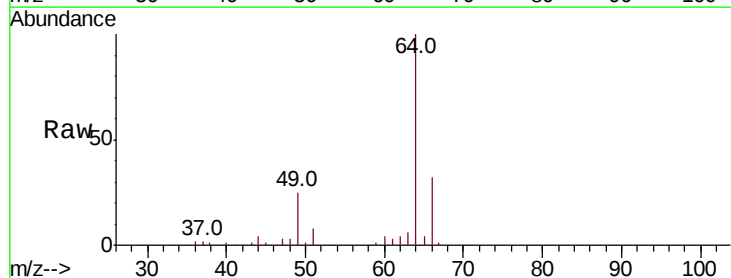
Acq: 23 Jul 2019 17:27

Tgt Ion: 64 Resp: 115562

Ion Ratio Lower Upper

64 100

66 32.3 26.4 39.6



Abundance Ion 63.90 (63.60 to 64.60): VN056884.D (-193) (-)

Ion 65.90 (65.60 to 66.60): VN056884.D (-193) (-)

2.70

60000

50000

40000

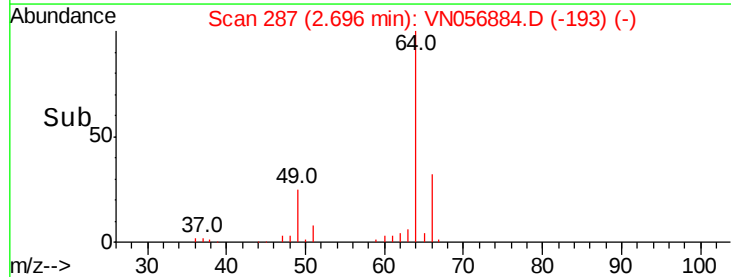
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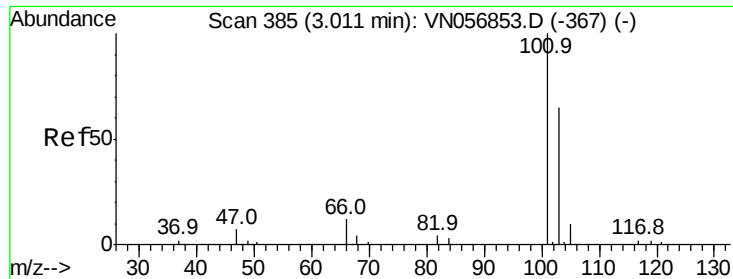
20000

10000

0

Time--> 2.60 2.70 2.80





#7

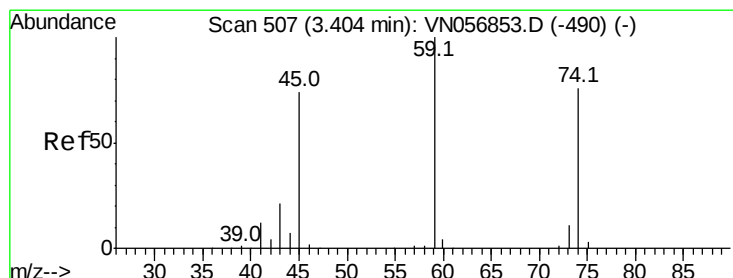
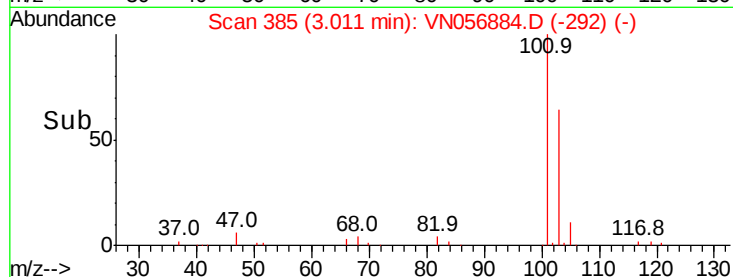
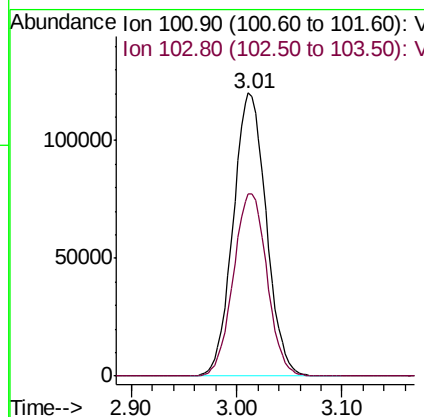
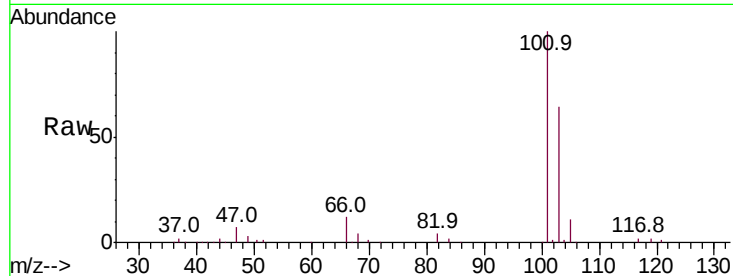
Trichlorofluoromethane
Concen: 52.464 ug/l
RT: 3.01 min Scan# 385
Delta R.T. -0.00 min
Lab File: VN056884.D
Acq: 23 Jul 2019 17:27

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VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	52.3	78.5

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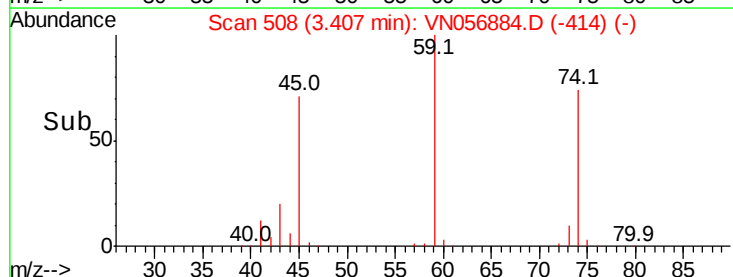
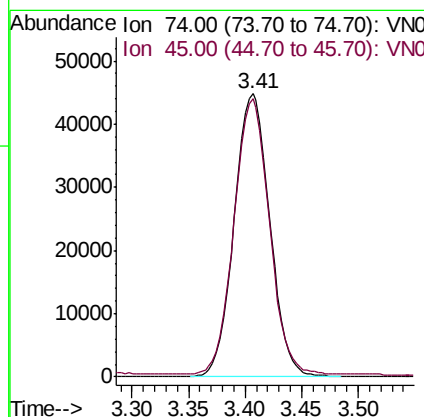
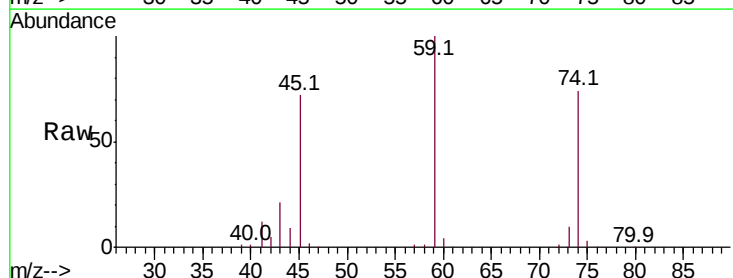
MMDadoda
7/24/2019 1:14:12 PM

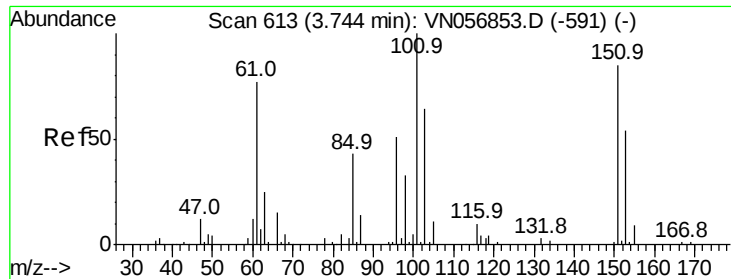


#8

Diethyl Ether
Concen: 52.959 ug/l
RT: 3.41 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN056884.D
Acq: 23 Jul 2019 17:27

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.2	49.2	147.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.382 ug/l

RT: 3.74 min Scan# 613

Delta R.T. -0.00 min

Lab File: VN056884.D

Acq: 23 Jul 2019 17:27

Instrument :

MSVOA_N

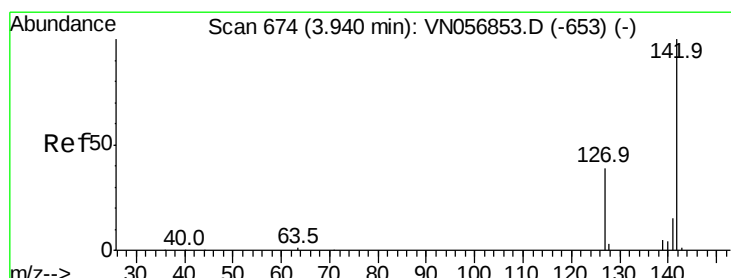
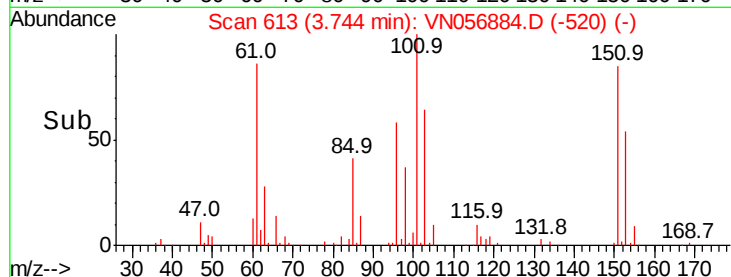
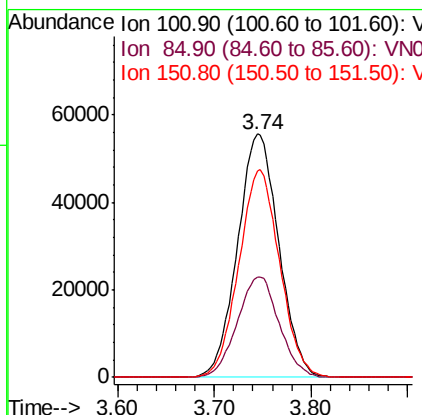
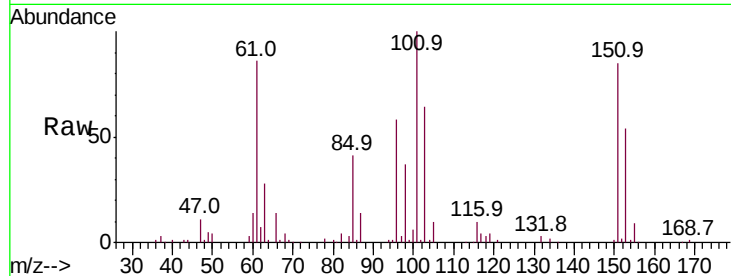
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	164491
Ion Ratio	Lower	Upper	
101	100		
85	41.9	33.7	50.5
151	84.6	68.1	102.1

Manual Integrations
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#10

Methyl Iodide

Concen: 55.202 ug/l

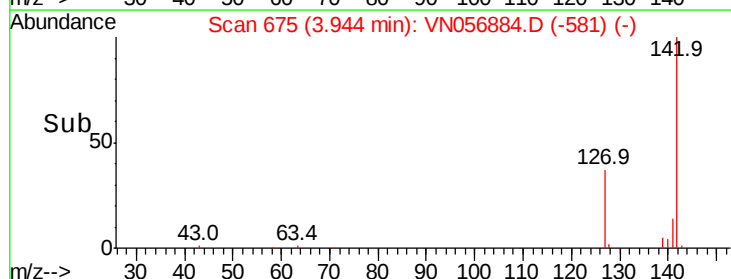
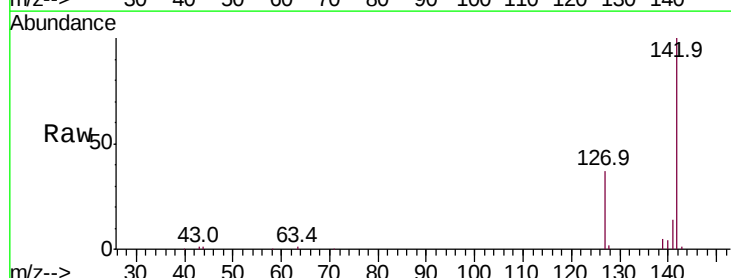
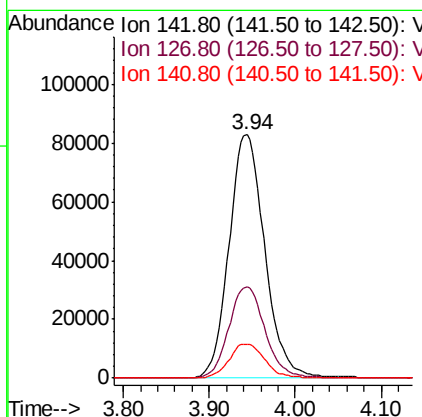
RT: 3.94 min Scan# 675

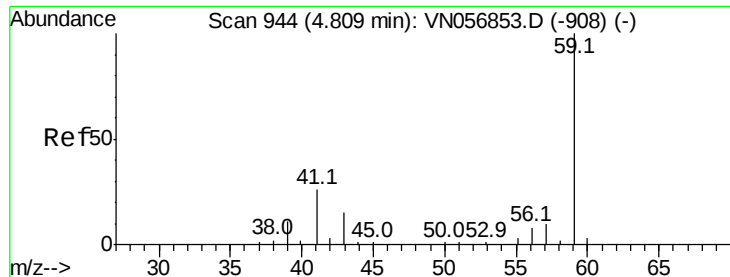
Delta R.T. 0.00 min

Lab File: VN056884.D

Acq: 23 Jul 2019 17:27

Tgt Ion:	142	Resp:	239170
Ion Ratio	Lower	Upper	
142	100		
127	38.1	31.2	46.8
141	14.1	11.4	17.2





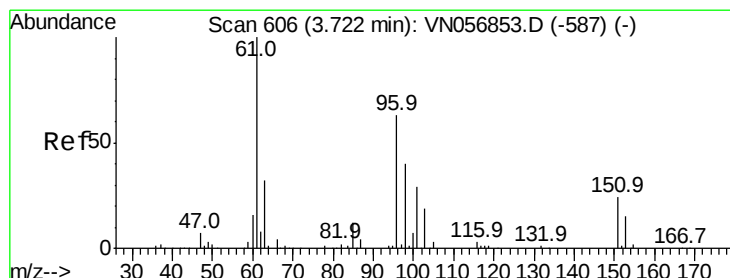
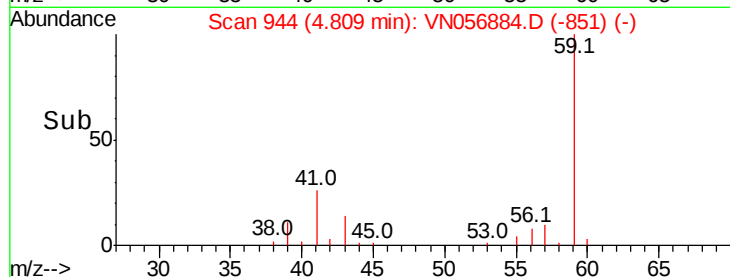
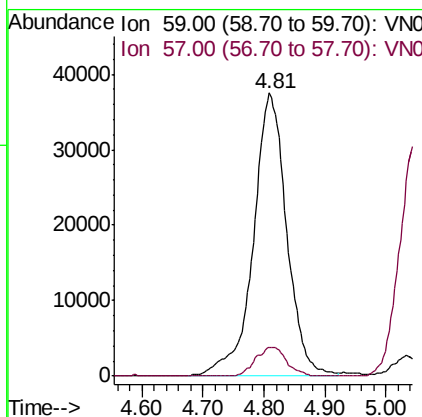
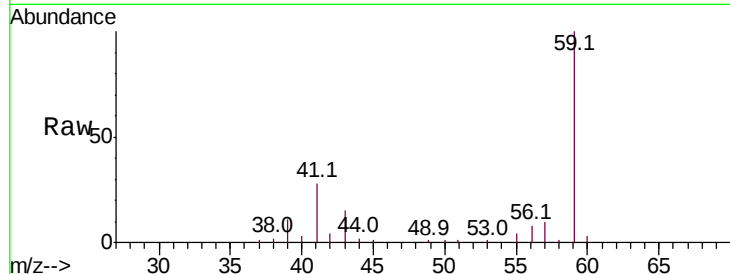
#11
Tert butyl alcohol
Concen: 295.939 ug/l
RT: 4.81 min Scan# 944
Delta R.T. -0.00 min
Lab File: VN056884.D
Acq: 23 Jul 2019 17:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.4	8.2	12.4

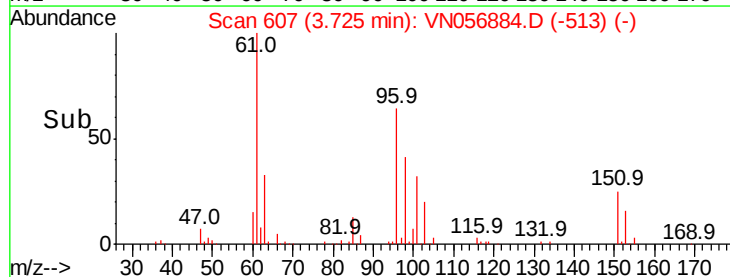
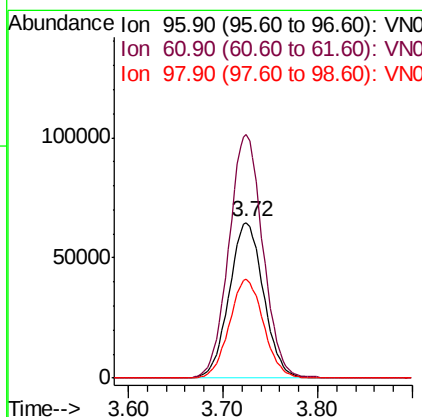
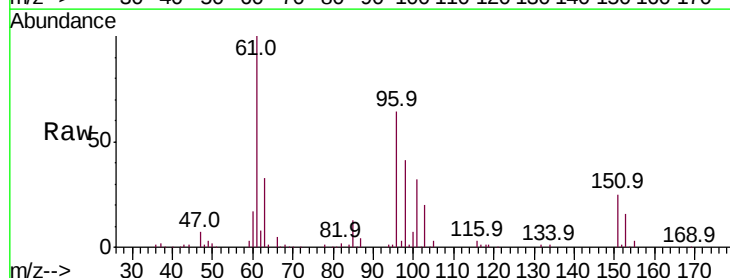
Manual Integrations
APPROVED

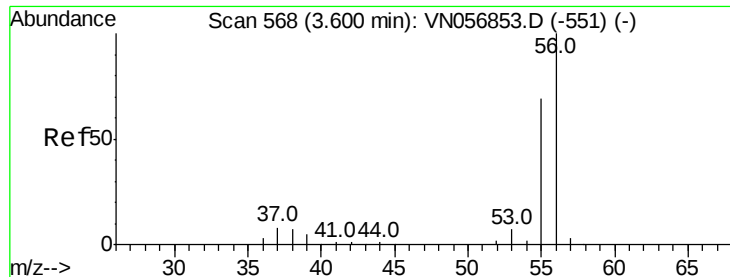
MMDadoda
7/24/2019 1:14:12 PM



#12
1,1-Dichloroethene
Concen: 52.873 ug/l
RT: 3.72 min Scan# 607
Delta R.T. 0.00 min
Lab File: VN056884.D
Acq: 23 Jul 2019 17:27

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.0	126.3	189.5
98	63.4	51.0	76.4





#13

Acrolein

Concen: 225.532 ug/l

RT: 3.60 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN056884.D

Acq: 23 Jul 2019 17:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 90450

Ion Ratio Lower Upper

56 100

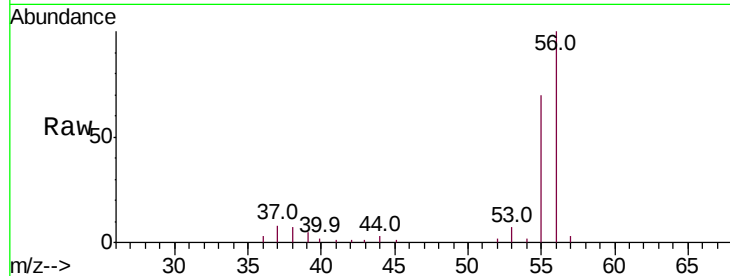
55 72.7 56.2 84.4

Manual Integrations

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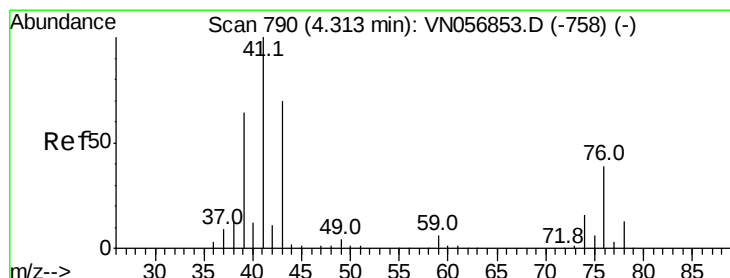
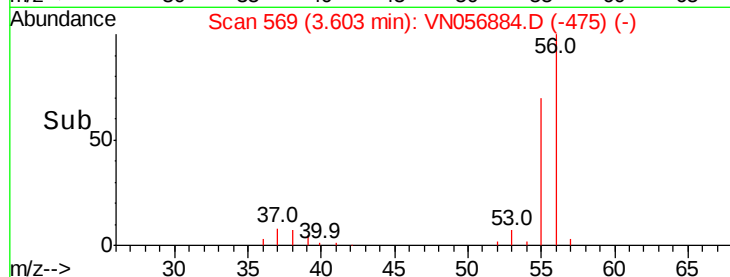
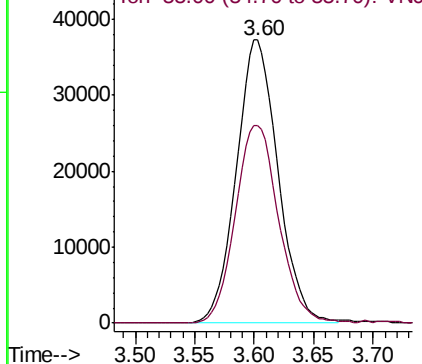
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 53.420 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN056884.D

Acq: 23 Jul 2019 17:27

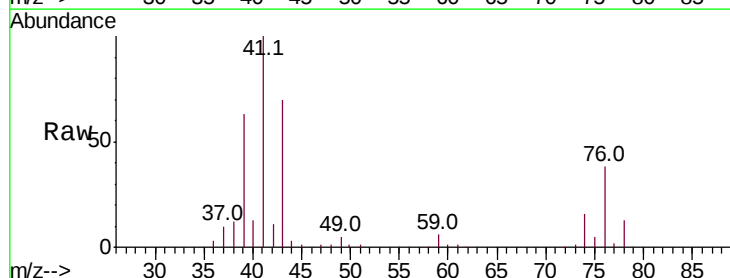
Tgt Ion: 41 Resp: 271117

Ion Ratio Lower Upper

41 100

39 59.4 47.8 71.6

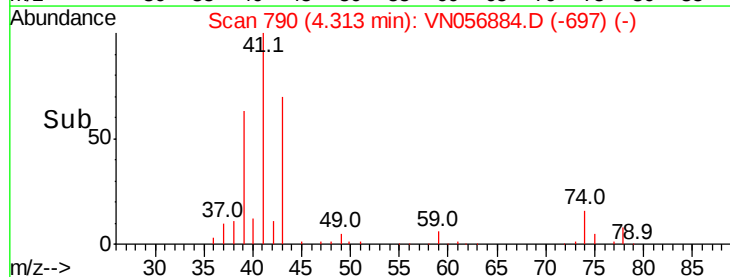
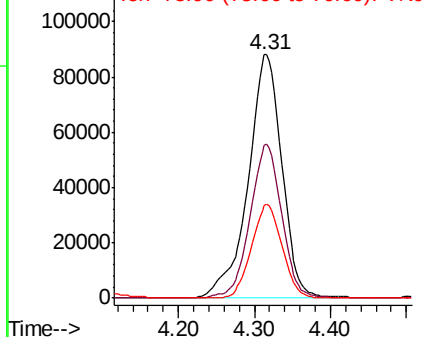
76 34.8 27.9 41.9

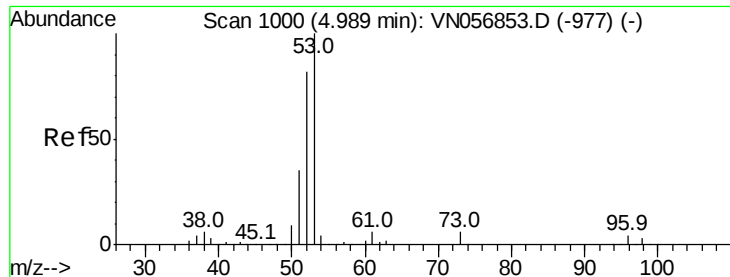


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 286.574 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN056884.D

Acq: 23 Jul 2019 17:27

Instrument :

MSVOA_N

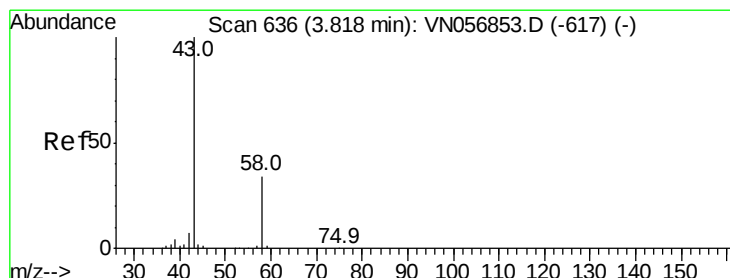
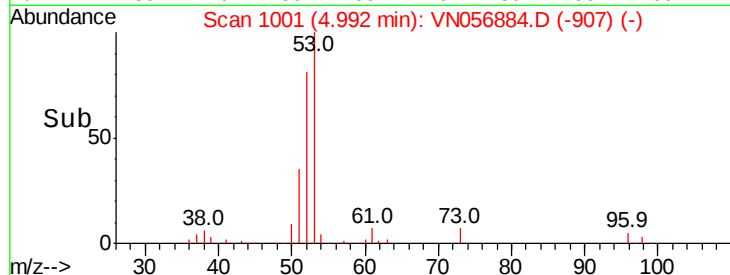
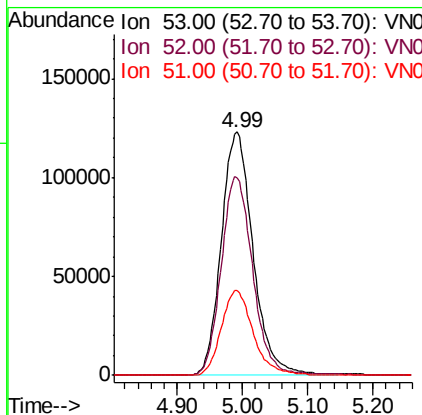
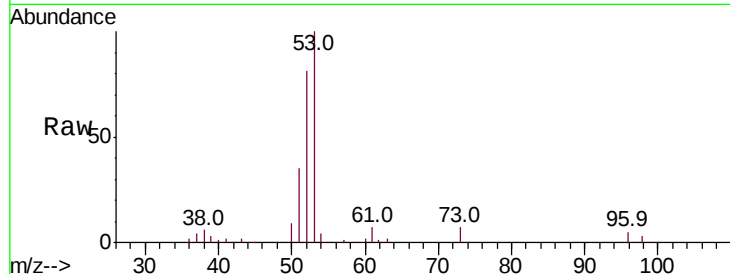
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	415636
Ion	Ratio	Lower	Upper
53	100		
52	80.7	65.0	97.6
51	35.0	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 257.322 ug/l

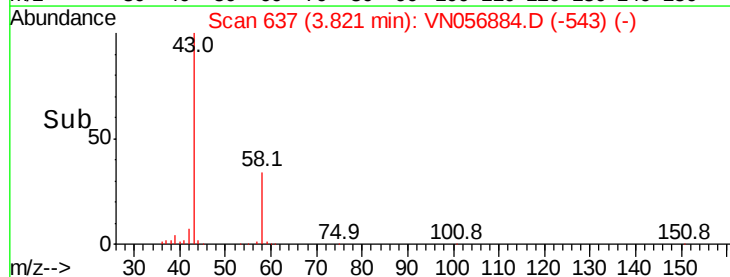
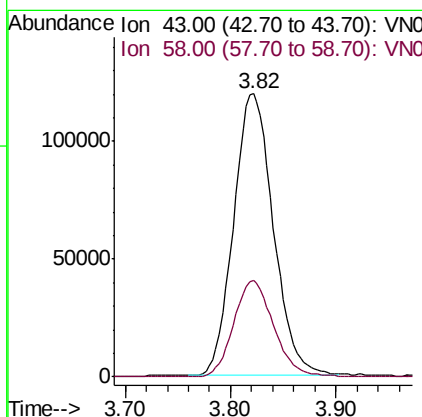
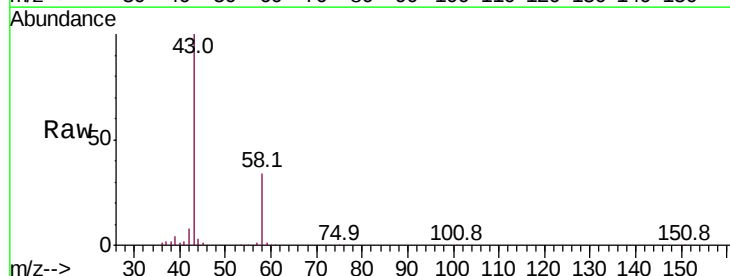
RT: 3.82 min Scan# 637

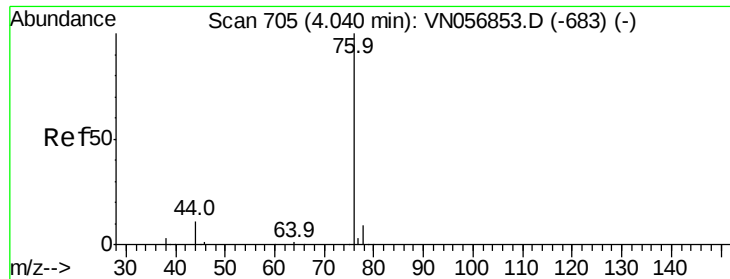
Delta R.T. 0.00 min

Lab File: VN056884.D

Acq: 23 Jul 2019 17:27

Tgt Ion:	43	Resp:	314413
Ion	Ratio	Lower	Upper
43	100		
58	34.2	27.3	40.9





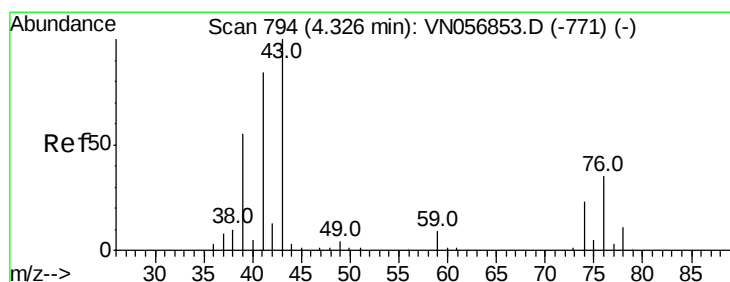
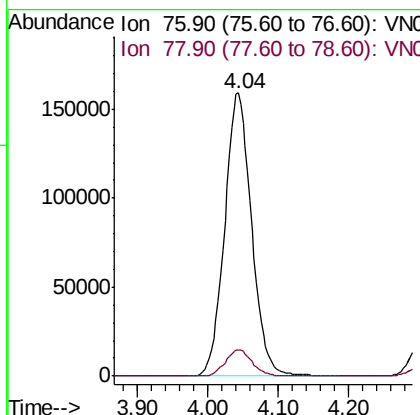
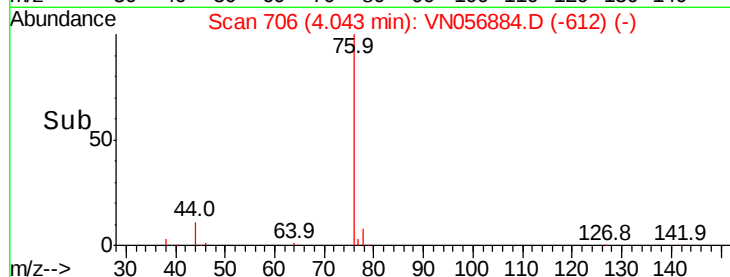
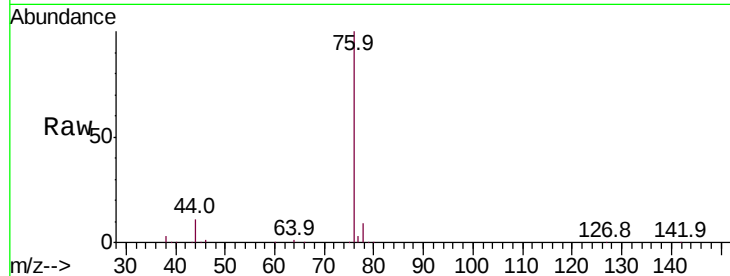
#17
Carbon Disulfide
Concen: 50.330 ug/l
RT: 4.04 min Scan# 706
Delta R.T. 0.00 min
Lab File: VN056884.D
Acq: 23 Jul 2019 17:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 424061
Ion Ratio Lower Upper
76 100
78 9.2 7.2 10.8

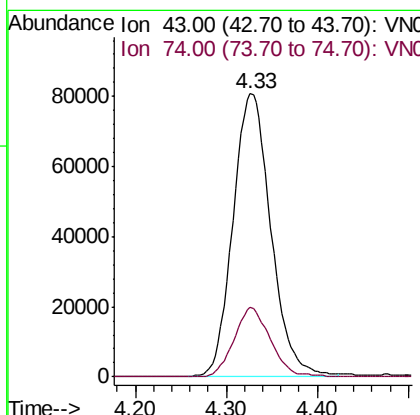
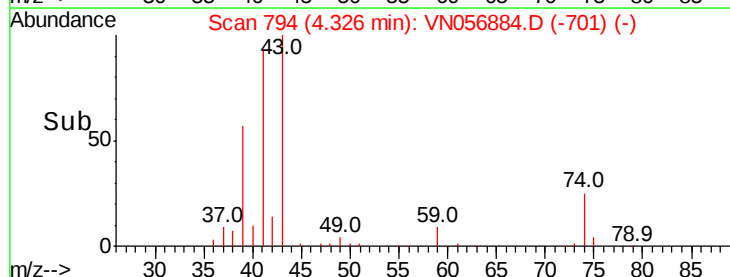
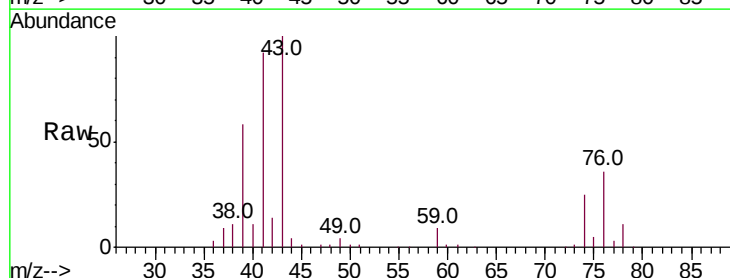
Manual Integrations
APPROVED

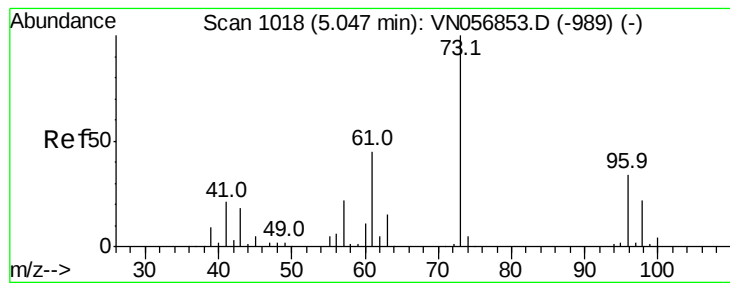
MMDadoda
7/24/2019 1:14:12 PM



#18
Methyl Acetate
Concen: 58.182 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056884.D
Acq: 23 Jul 2019 17:27

Tgt Ion: 43 Resp: 231801
Ion Ratio Lower Upper
43 100
74 23.9 19.0 28.4





#19

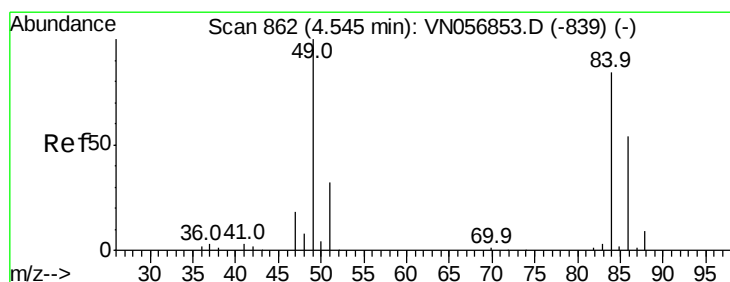
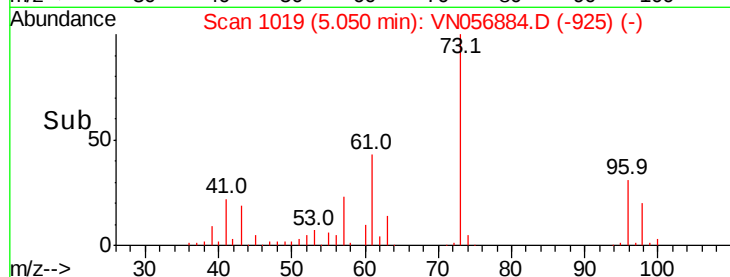
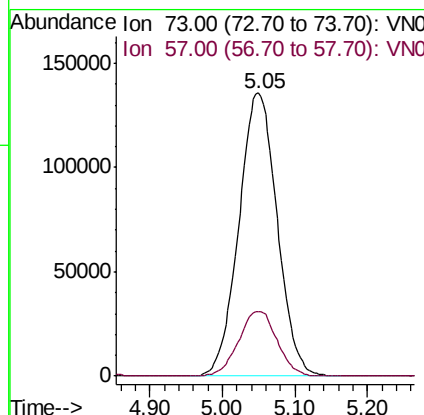
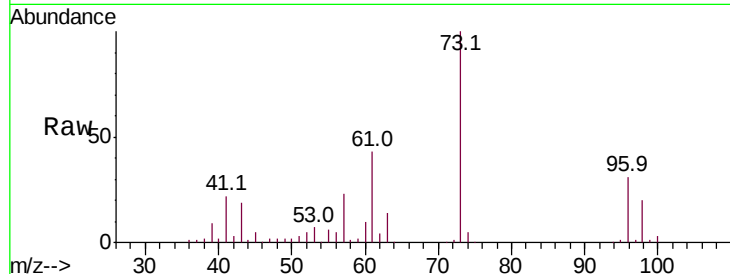
Methyl tert-butyl Ether
 Concen: 54.694 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VN056884.D
 Acq: 23 Jul 2019 17:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 73 Resp: 498828
 Ion Ratio Lower Upper
 73 100
 57 23.0 18.0 27.0

Manual Integrations
 APPROVED

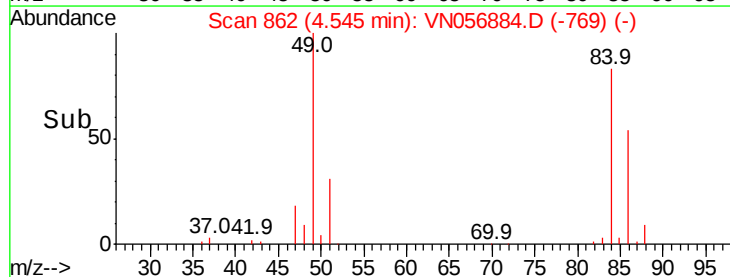
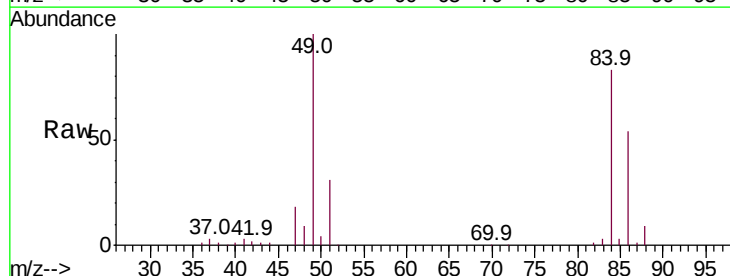
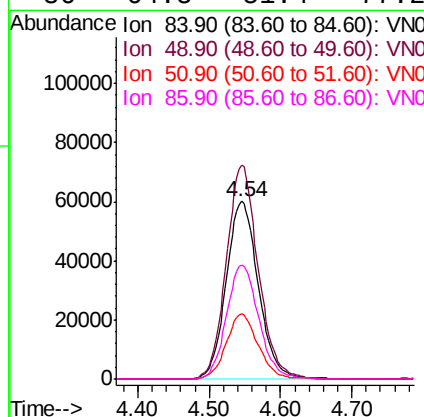
MMDadoda
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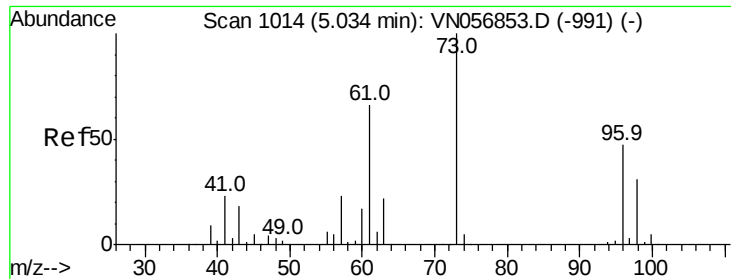


#20

Methylene Chloride
 Concen: 51.550 ug/l
 RT: 4.54 min Scan# 862
 Delta R.T. -0.00 min
 Lab File: VN056884.D
 Acq: 23 Jul 2019 17:27

Tgt Ion: 84 Resp: 188342
 Ion Ratio Lower Upper
 84 100
 49 120.2 94.9 142.3
 51 37.1 29.9 44.9
 86 64.5 51.4 77.2





#21

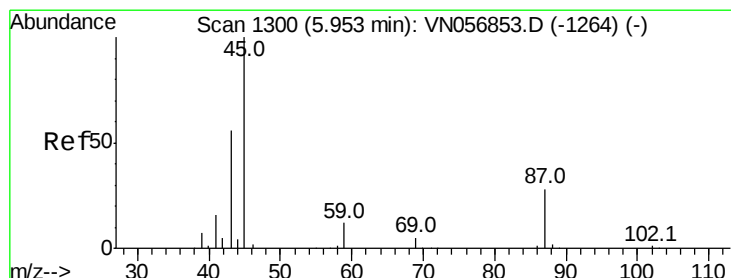
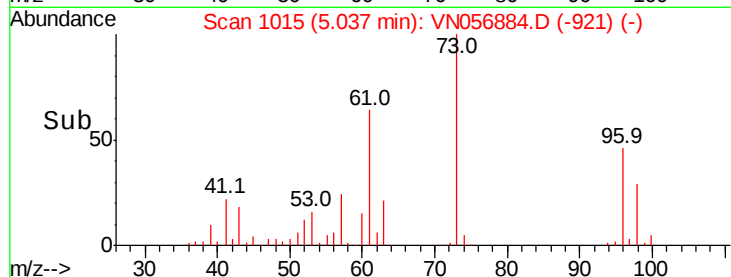
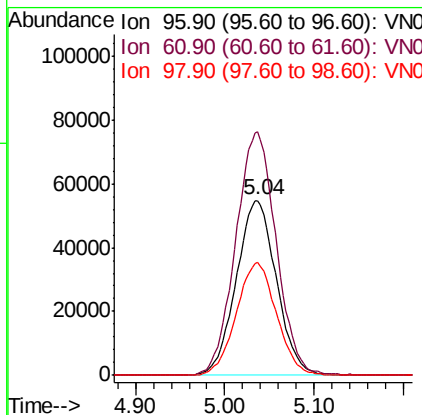
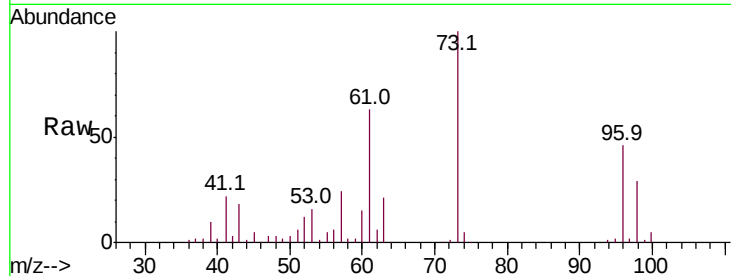
trans-1,2-Dichloroethene
Concen: 53.063 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VN056884.D
Acq: 23 Jul 2019 17:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.4	112.8	169.2
98	64.6	53.3	79.9

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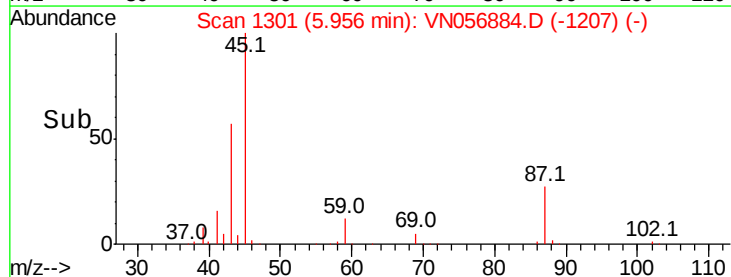
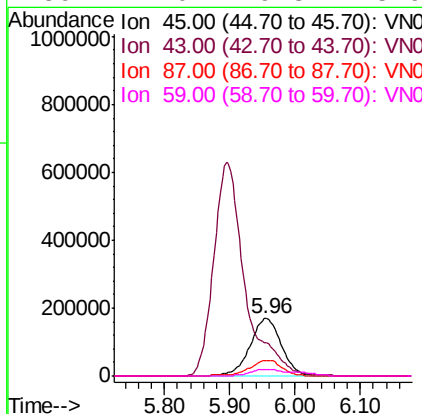
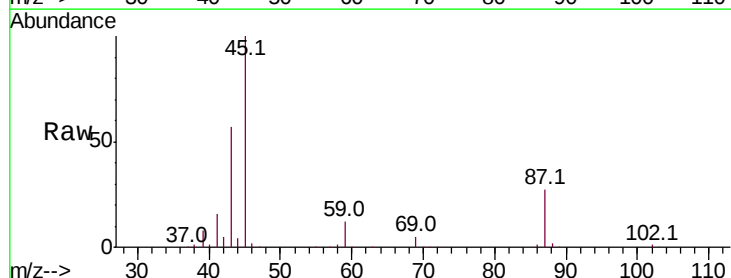
MMDadoda
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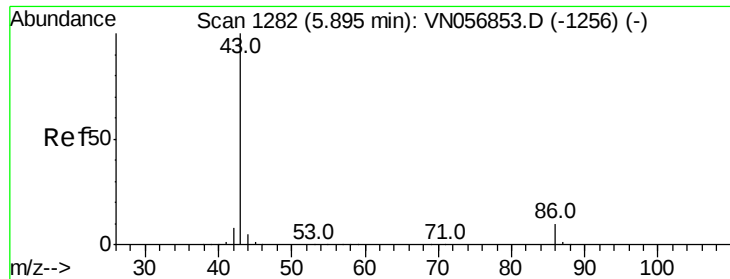


#22

Diisopropyl ether
Concen: 55.201 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN056884.D
Acq: 23 Jul 2019 17:27

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.3	45.5	68.3
87	27.5	22.7	34.1
59	12.0	9.3	13.9





#23

Vinyl Acetate

Concen: 283.062 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN056884.D

Acq: 23 Jul 2019 17:27

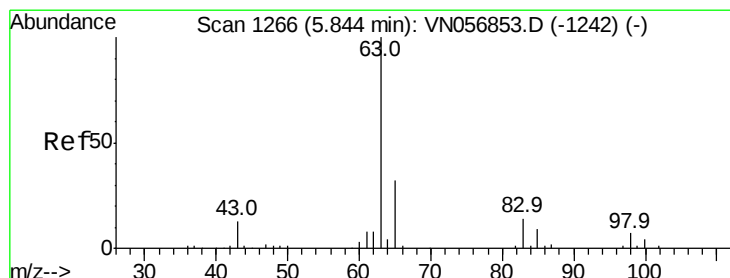
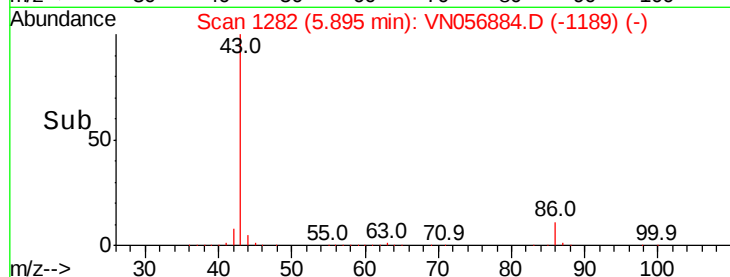
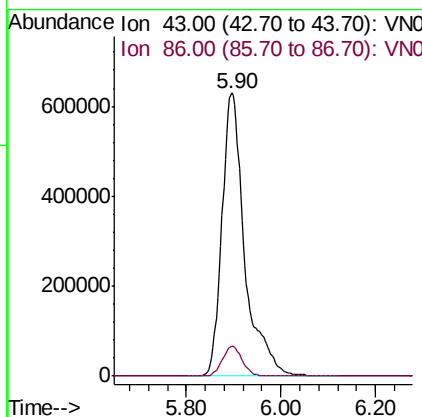
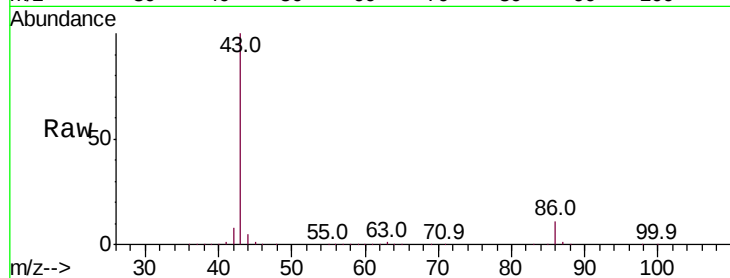
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 2097920

Ion	Ratio	Lower	Upper
43	100		
86	10.5	8.4	12.6

Manual Integrations
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MMDadoda
7/24/2019 1:14:12 PM



#24

1,1-Dichloroethane

Concen: 54.412 ug/l

RT: 5.85 min Scan# 1267

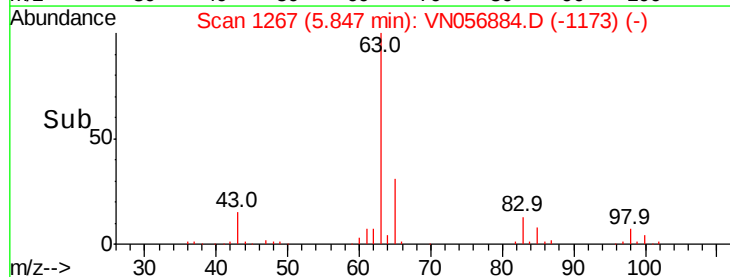
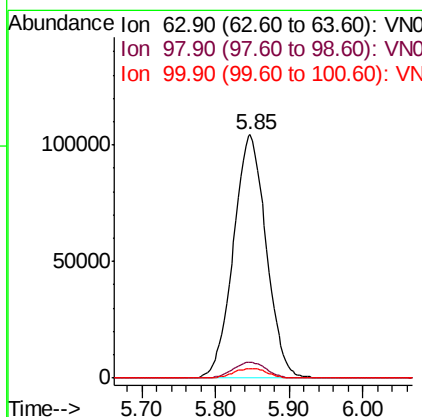
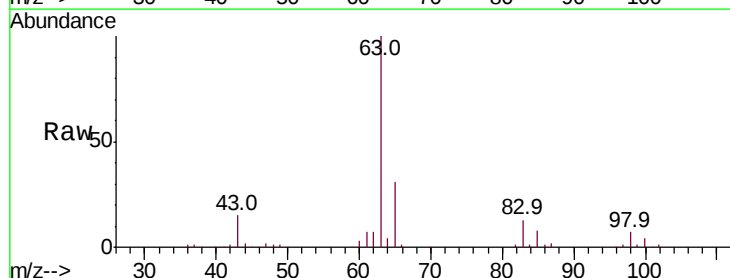
Delta R.T. 0.00 min

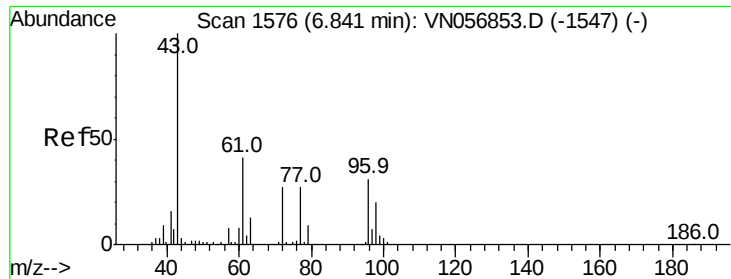
Lab File: VN056884.D

Acq: 23 Jul 2019 17:27

Tgt Ion: 63 Resp: 323452

Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.3	9.9
100	3.7	2.2	6.6





#25

2-Butanone

Concen: 288.327 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. -0.00 min

Lab File: VN056884.D

Acq: 23 Jul 2019 17:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 517833

Ion Ratio Lower Upper

43 100

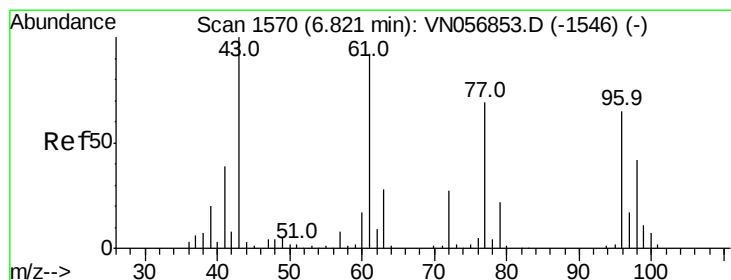
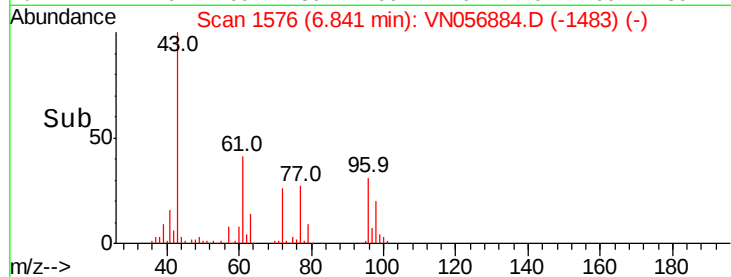
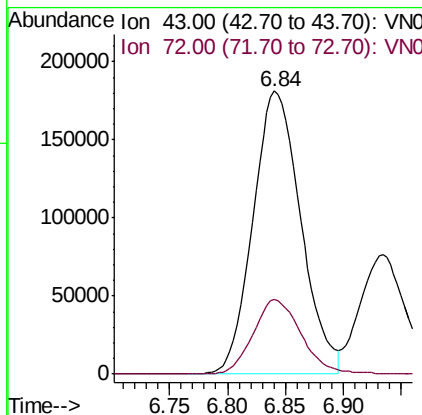
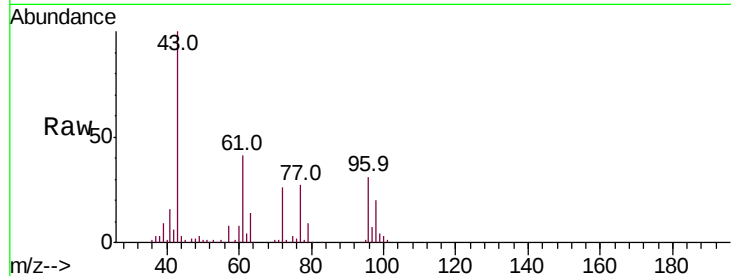
72 26.5 21.5 32.3

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#26

2,2-Dichloropropane

Concen: 53.688 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN056884.D

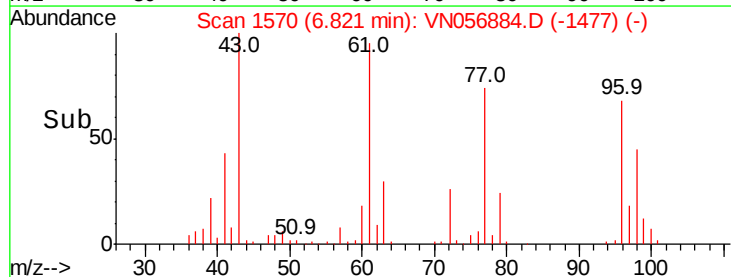
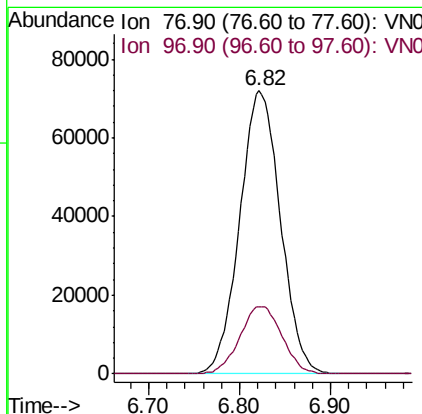
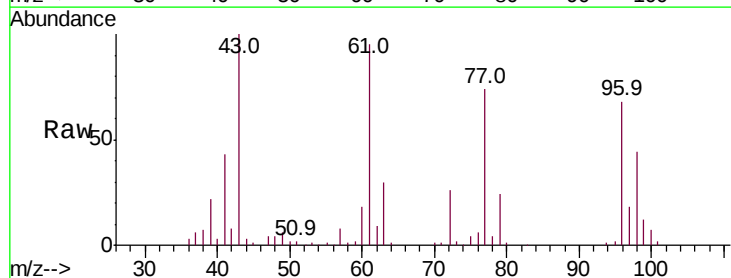
Acq: 23 Jul 2019 17:27

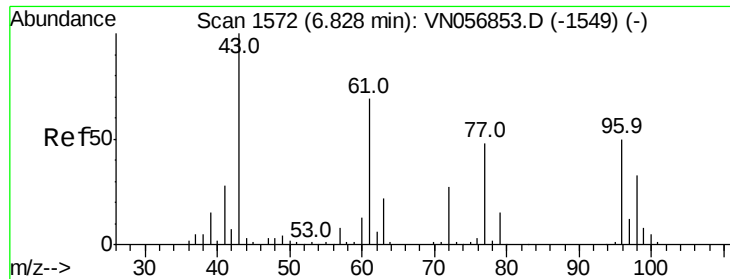
Tgt Ion: 77 Resp: 223323

Ion Ratio Lower Upper

77 100

97 24.6 12.4 37.2





#27

cis-1,2-Dichloroethene

Concen: 54.203 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN056884.D

Acq: 23 Jul 2019 17:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 200376

Ion Ratio Lower Upper

96 100

61 139.3 0.0 281.6

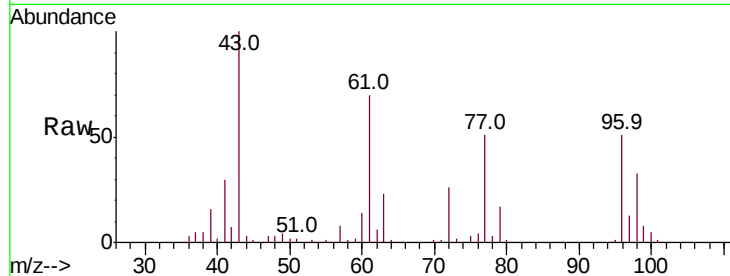
98 64.5 0.0 132.0

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Abundance Ion 95.90 (95.60 to 96.60): VN056853.D (-1549) (-)

Ion 60.90 (60.60 to 61.60): VN056853.D (-1549) (-)

Ion 97.90 (97.60 to 98.60): VN056853.D (-1549) (-)

120000

100000

80000

60000

40000

20000

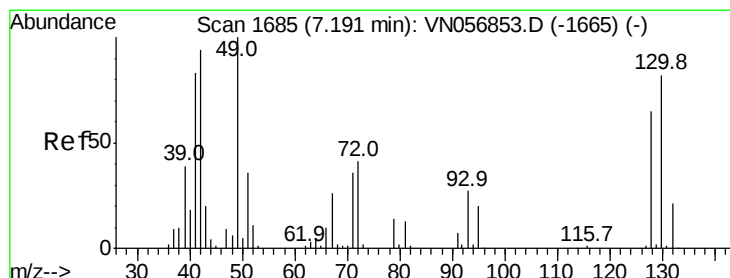
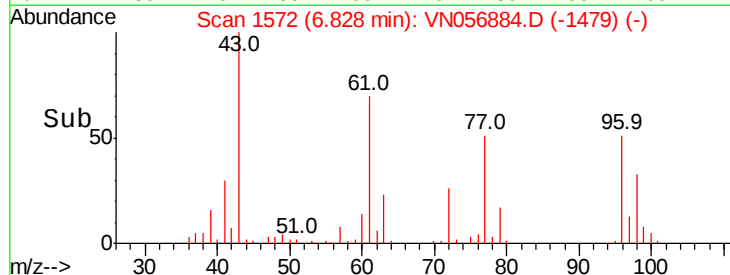
0

6.70

6.80

6.90

Time-->



#28

Bromochloromethane

Concen: 58.030 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN056884.D

Acq: 23 Jul 2019 17:27

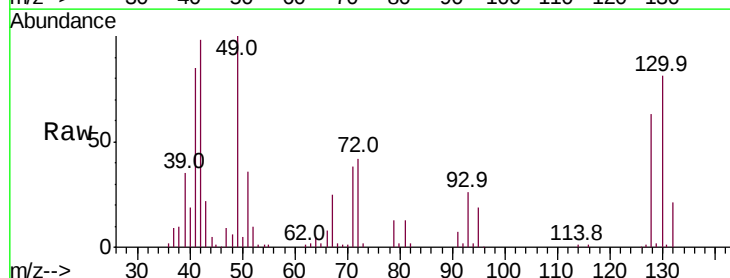
Tgt Ion: 49 Resp: 156587

Ion Ratio Lower Upper

49 100

129 2.1 0.0 3.8

130 81.7 65.0 97.6



Abundance Ion 48.90 (48.60 to 49.60): VN056853.D (-1665) (-)

Ion 128.80 (128.50 to 129.50): VN056853.D (-1665) (-)

Ion 129.80 (129.50 to 130.50): VN056853.D (-1665) (-)

80000

60000

40000

20000

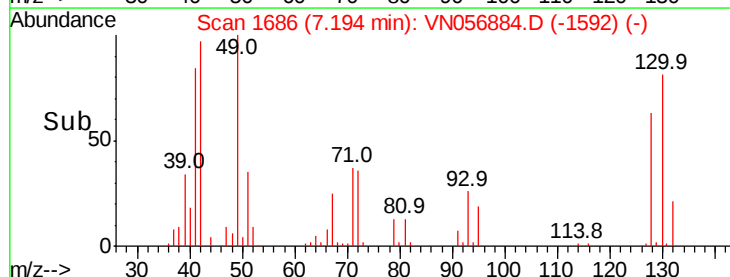
0

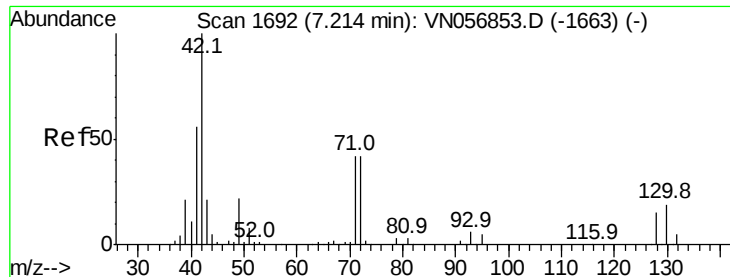
7.10

7.20

7.30

Time-->





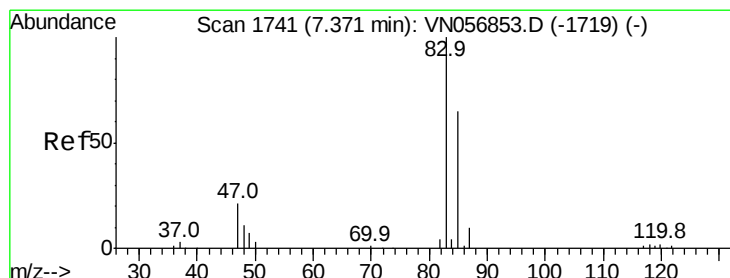
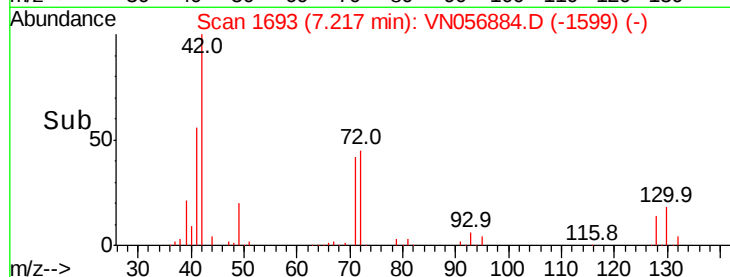
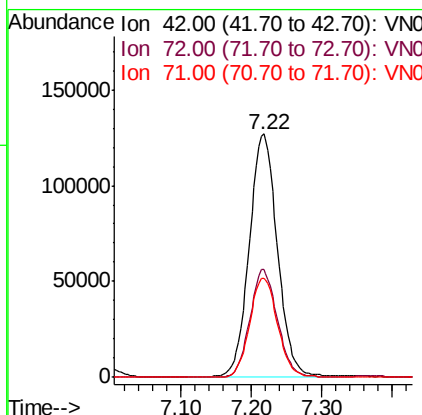
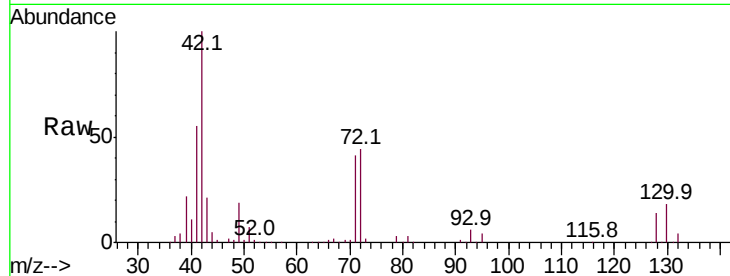
#29
Tetrahydrofuran
Concen: 286.662 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN056884.D
Acq: 23 Jul 2019 17:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.2	34.2	51.2
71	40.3	32.7	49.1

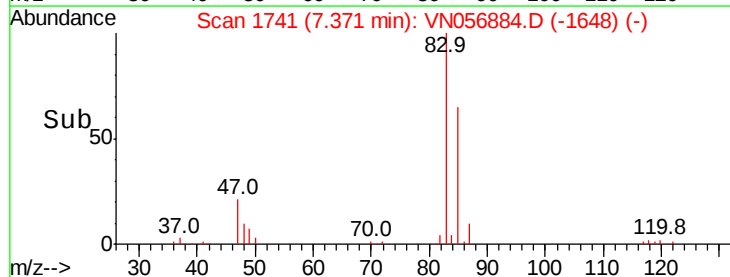
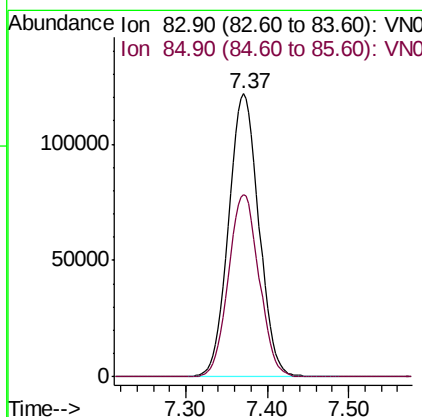
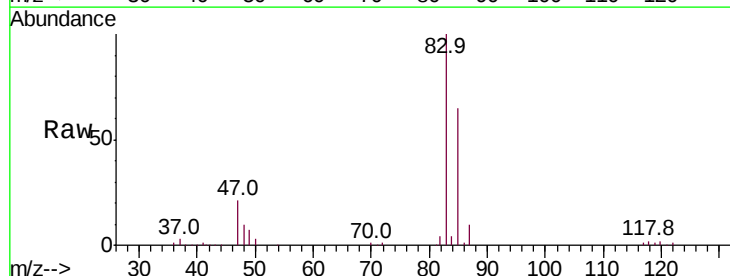
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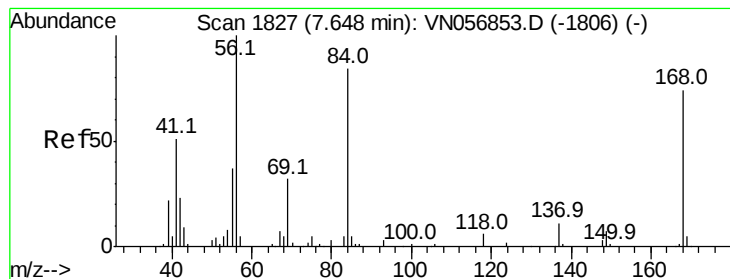
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#30
Chloroform
Concen: 53.014 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN056884.D
Acq: 23 Jul 2019 17:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.3	78.5





#31

Cyclohexane

Concen: 52.051 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN056884.D

Acq: 23 Jul 2019 17:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 300192

Ion Ratio Lower Upper

56 100

69 32.2 25.5 38.3

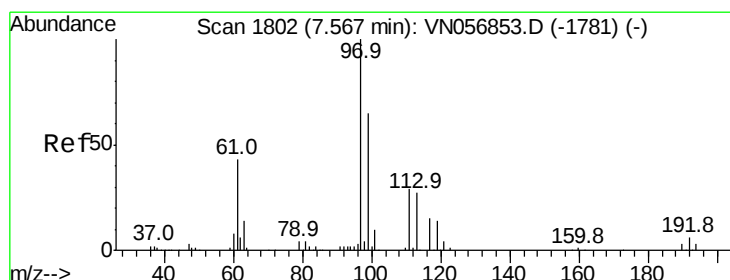
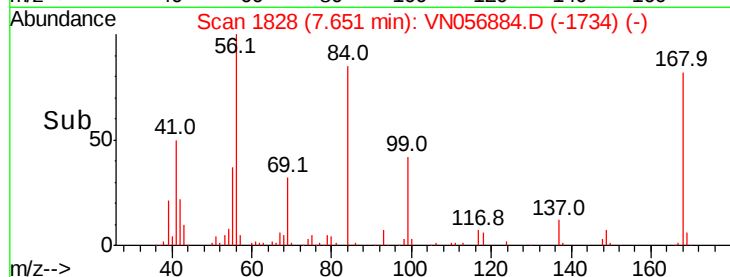
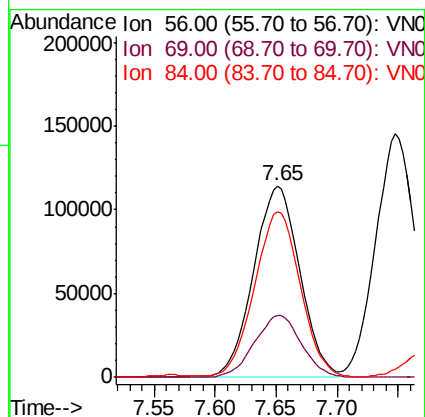
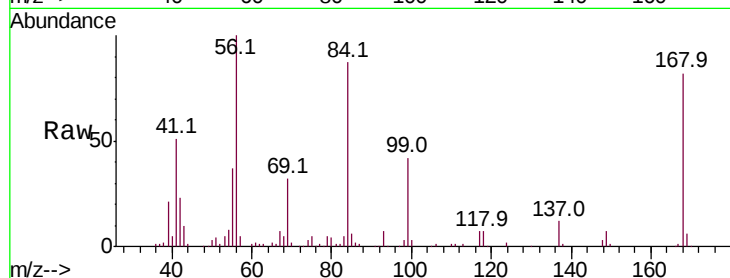
84 85.9 67.3 100.9

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#32

1,1,1-Trichloroethane

Concen: 54.601 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN056884.D

Acq: 23 Jul 2019 17:27

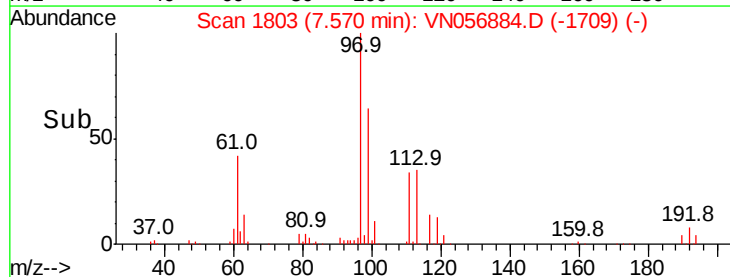
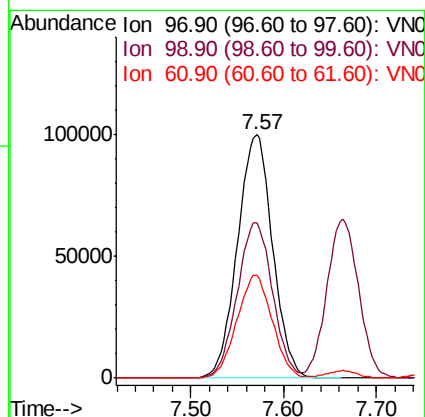
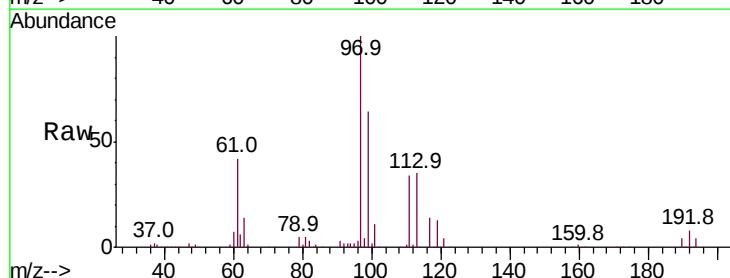
Tgt Ion: 97 Resp: 263226

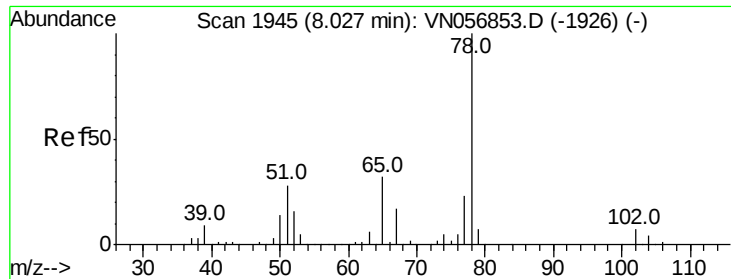
Ion Ratio Lower Upper

97 100

99 64.2 52.1 78.1

61 42.6 34.0 51.0





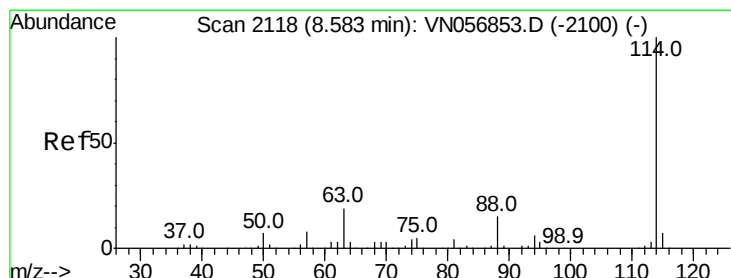
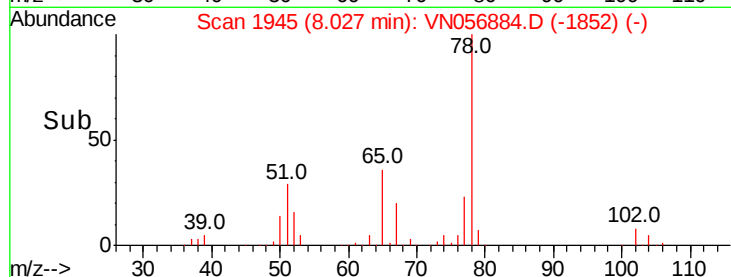
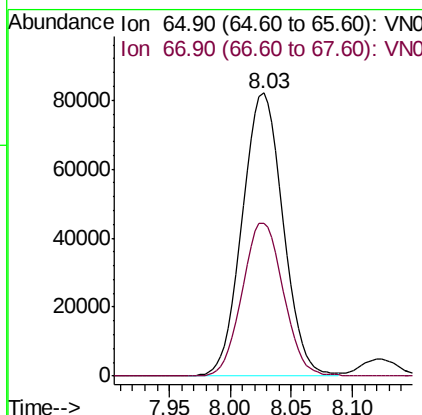
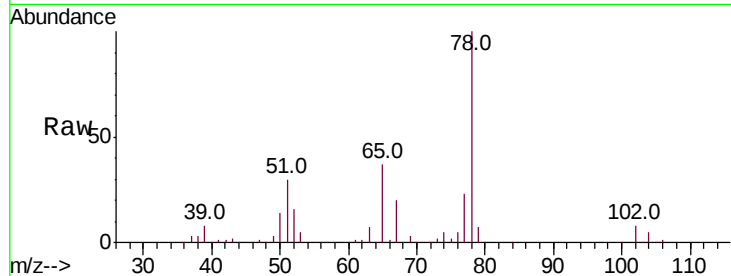
#33
 1,2-Dichloroethane-d4
 Concen: 56.039 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN056884.D
 Acq: 23 Jul 2019 17:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	190144		
67	54.6	0.0	108.6	

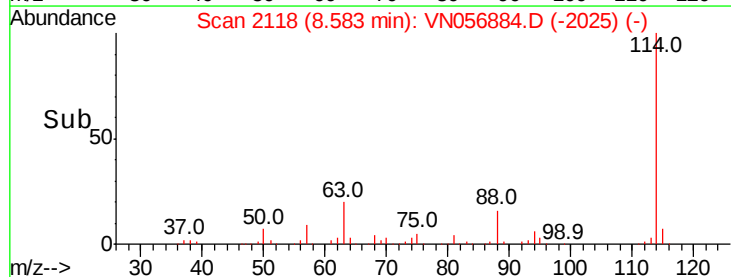
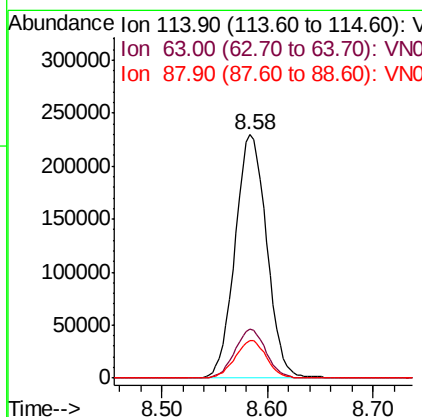
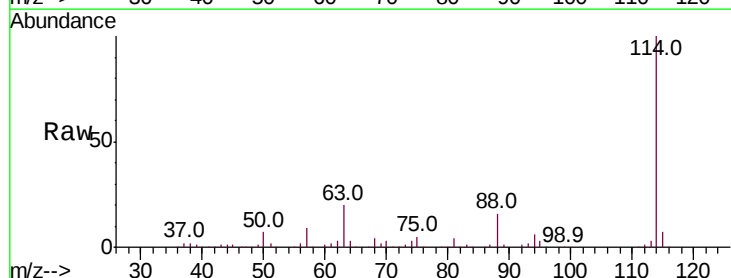
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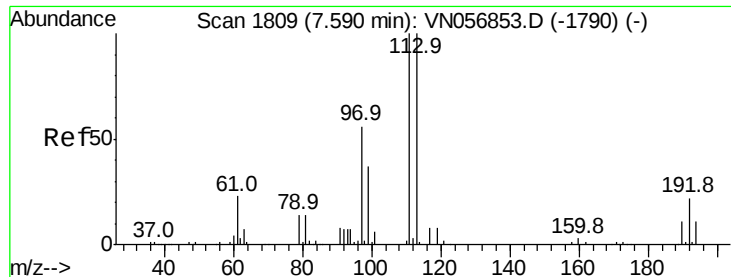
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN056884.D
 Acq: 23 Jul 2019 17:27

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	478099		
63	20.1	0.0	37.8	
88	15.5	0.0	31.0	





#35

Dibromofluoromethane

Concen: 56.047 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN056884.D

Acq: 23 Jul 2019 17:27

Instrument :

MSVOA_N

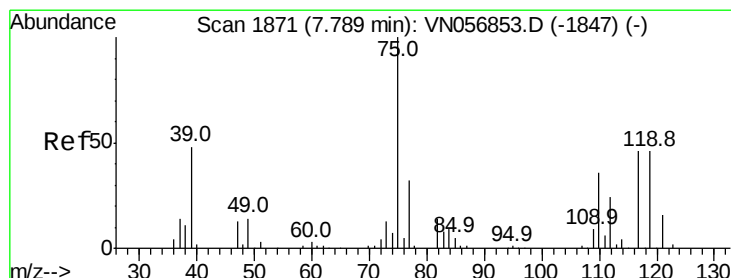
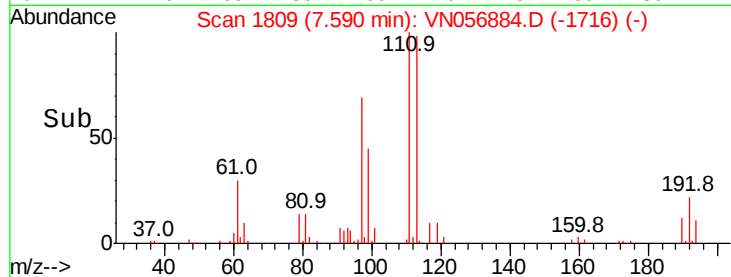
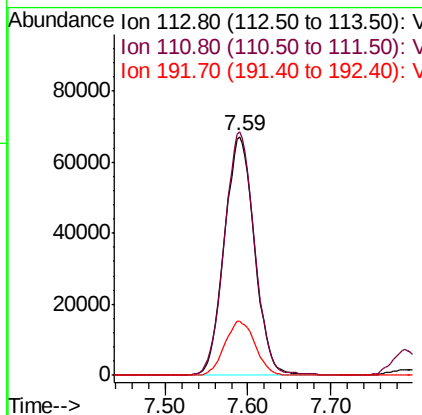
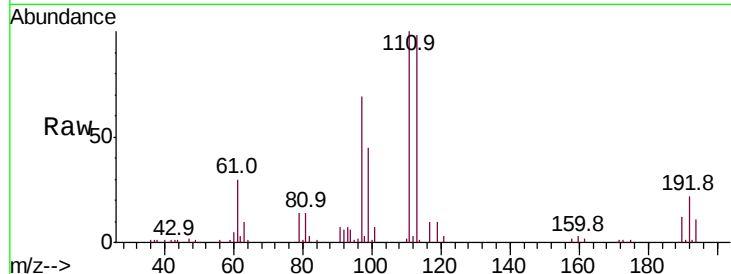
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	169843
Ion Ratio	Lower	Upper	
113	100		
111	101.6	81.9	122.9
192	22.9	18.5	27.7

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#36

1,1-Dichloropropene

Concen: 54.351 ug/l

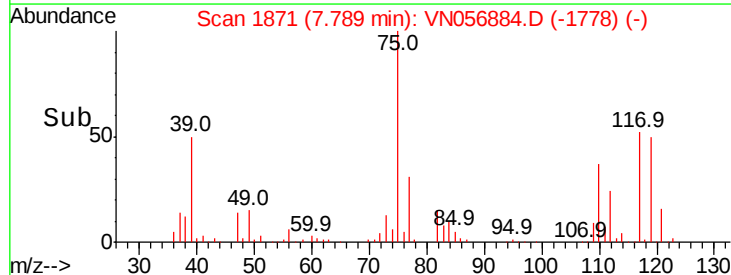
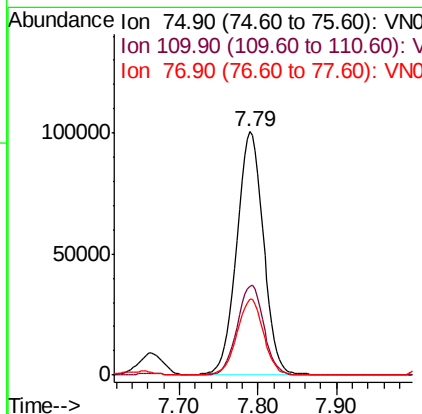
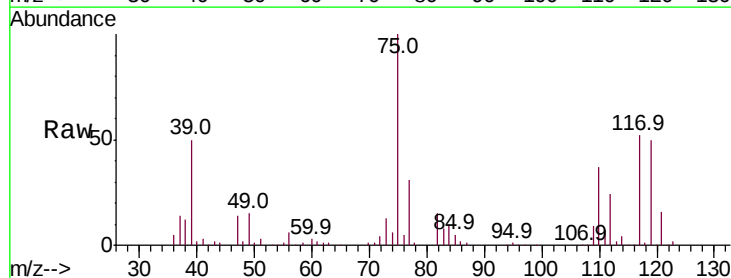
RT: 7.79 min Scan# 1871

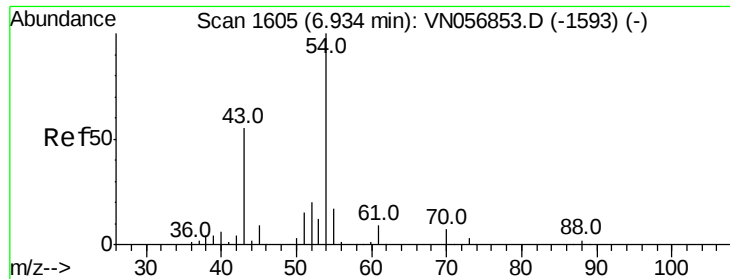
Delta R.T. -0.00 min

Lab File: VN056884.D

Acq: 23 Jul 2019 17:27

Tgt Ion:	75	Resp:	239635
Ion Ratio	Lower	Upper	
75	100		
110	36.5	17.9	53.7
77	31.0	25.0	37.6





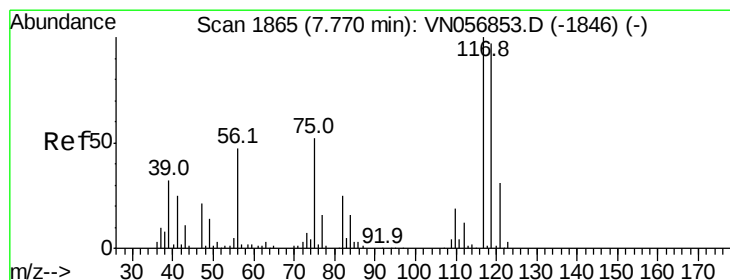
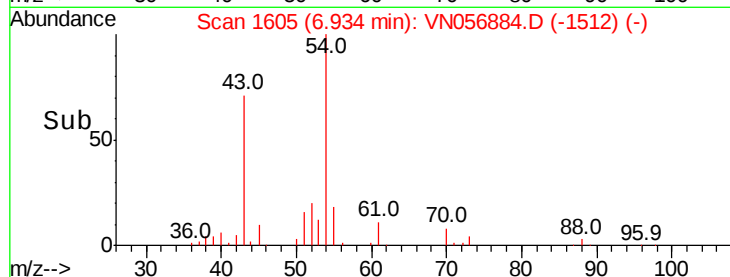
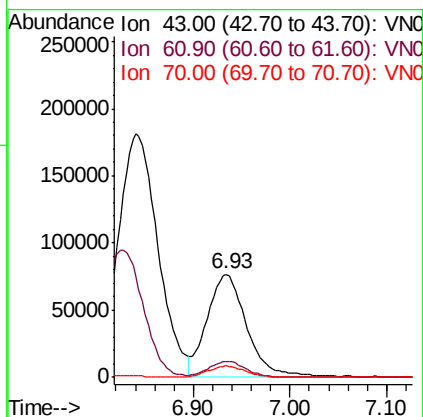
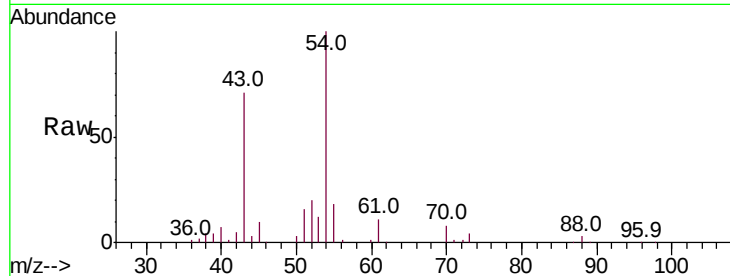
#37
Ethyl Acetate
Concen: 60.295 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN056884.D
Acq: 23 Jul 2019 17:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.5	11.8	17.8
70	10.7	8.6	13.0

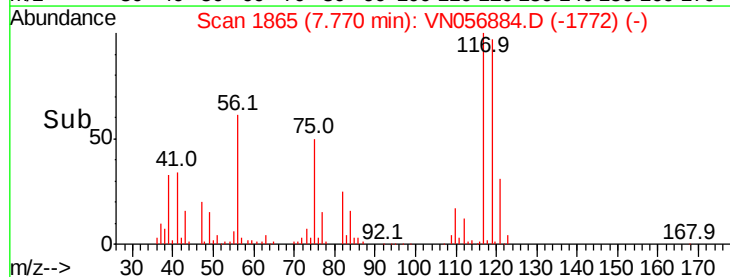
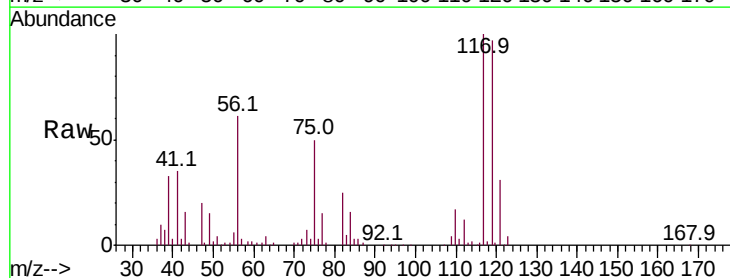
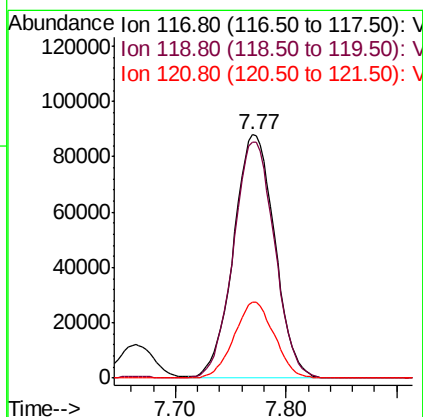
Manual Integrations
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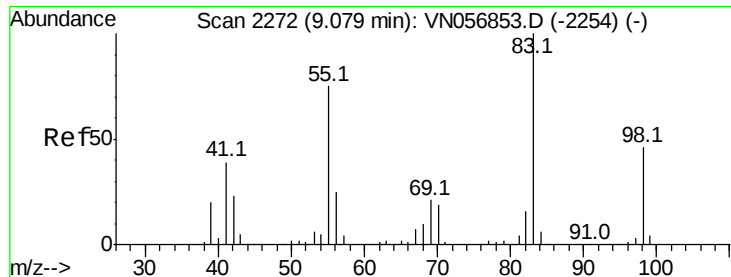
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#38
Carbon Tetrachloride
Concen: 54.275 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN056884.D
Acq: 23 Jul 2019 17:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.0	77.2	115.8
121	31.4	24.5	36.7





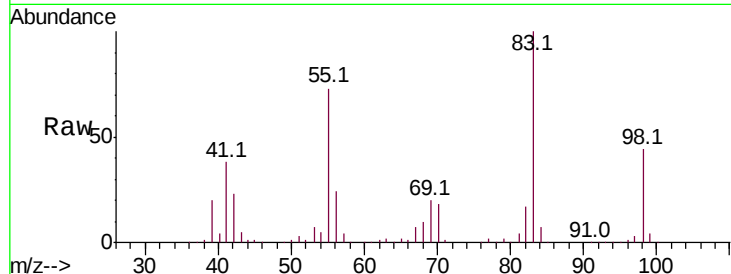
#39
Methvlcvclohexane
Concen: 54.331 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN056884.D
Acq: 23 Jul 2019 17:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

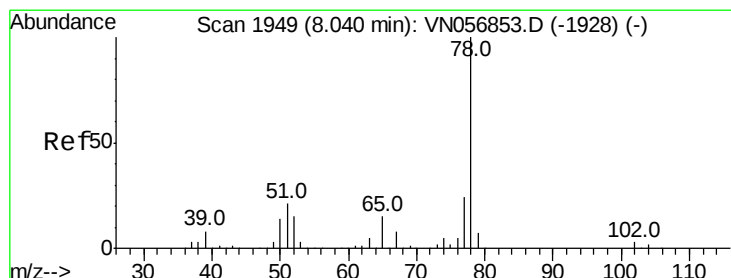
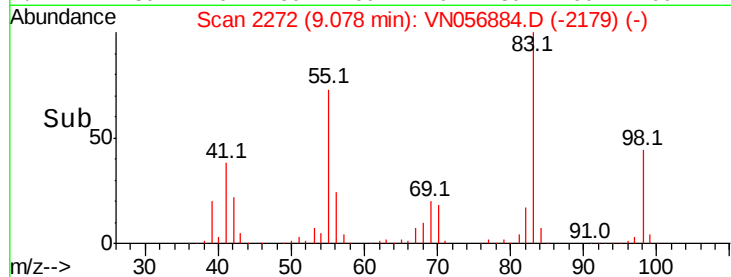
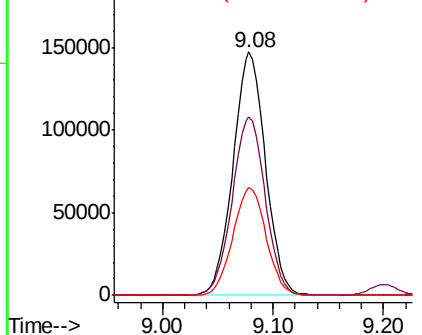
Tot Ion	Ratio	Resp	Lower	Upper
83	100	299755		
55	73.5		59.8	89.8
98	44.1		37.1	55.7

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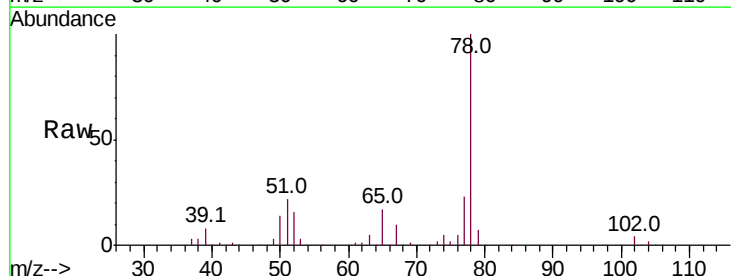


Abundance Ion 83.00 (82.70 to 83.70): VNO
Ion 55.00 (54.70 to 55.70): VNO
Ion 98.00 (97.70 to 98.70): VNO

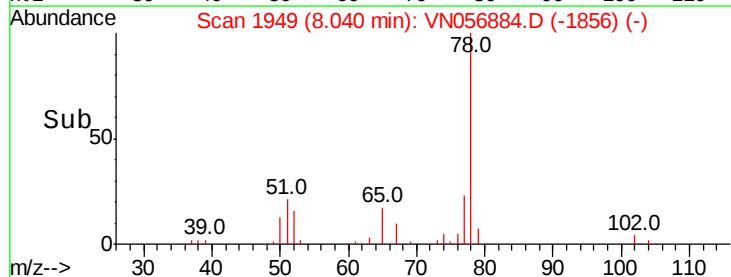
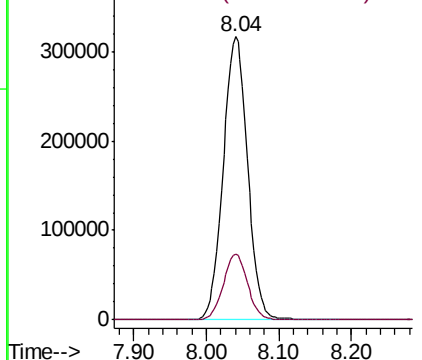


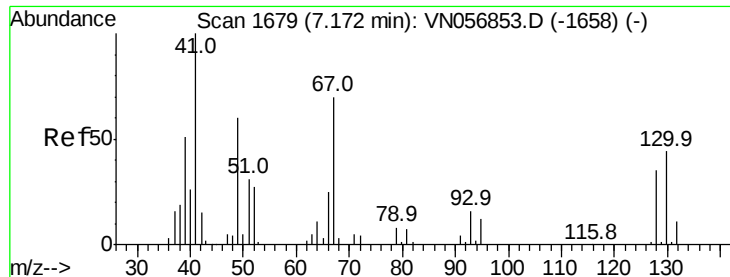
#40
Benzene
Concen: 53.862 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN056884.D
Acq: 23 Jul 2019 17:27

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	737672		
77	23.1		19.1	28.7



Abundance Ion 78.00 (77.70 to 78.70): VNO
Ion 77.00 (76.70 to 77.70): VNO





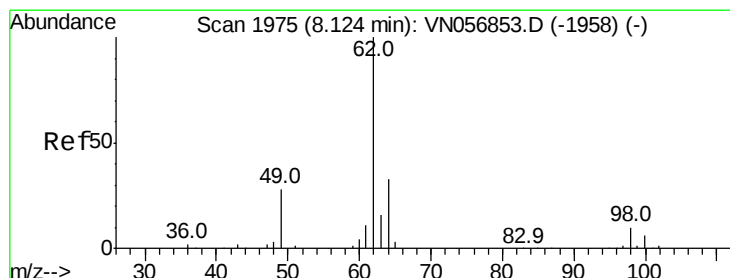
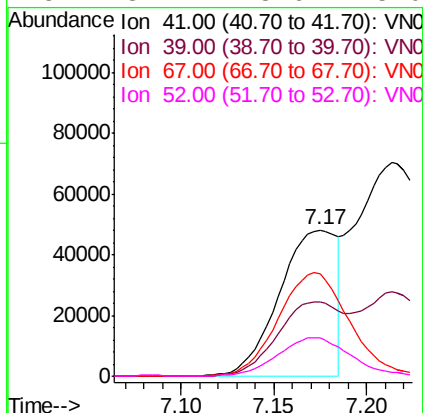
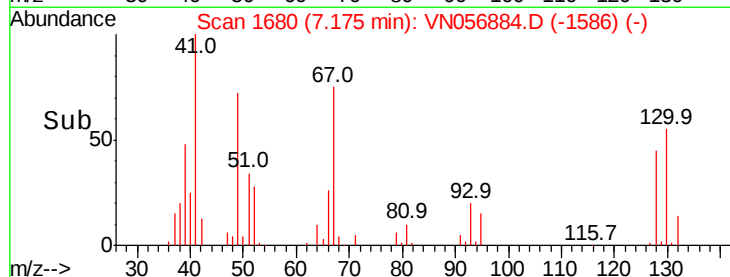
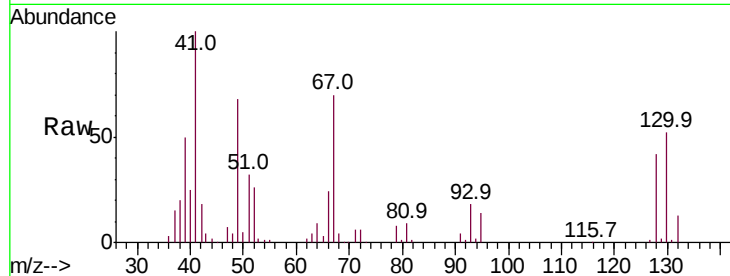
#41
Methacrylonitrile
Concen: 59.025 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN056884.D
Acq: 23 Jul 2019 17:27

Instrument :
MSVOA_N
ClientSampleID :
VSTDCCC050EC

Tot Ion	41	Resp	104200
Ion Ratio	Lower	Upper	
41	100		
39	59.1	44.0	66.0
67	87.5	73.5	110.3
52	34.1	28.6	43.0

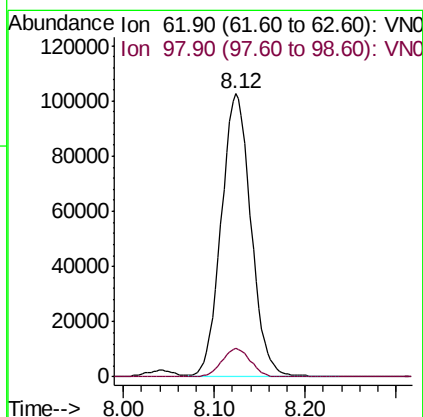
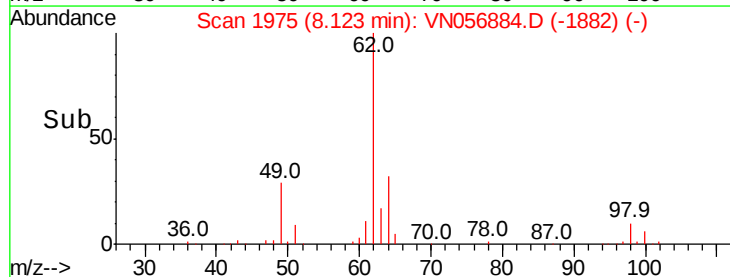
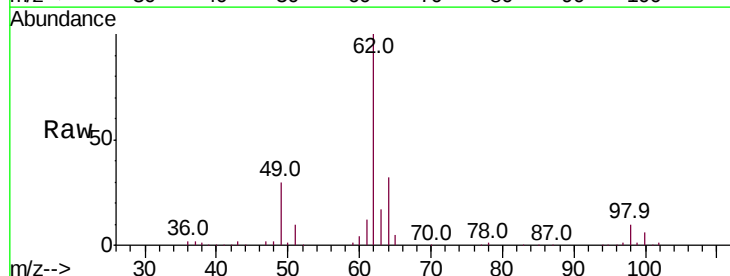
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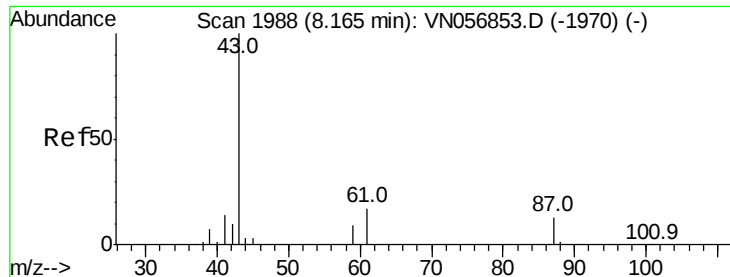
MMDadoda
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#42
1,2-Dichloroethane
Concen: 54.370 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN056884.D
Acq: 23 Jul 2019 17:27

Tgt Ion	62	Resp	232661
Ion Ratio	Lower	Upper	
62	100		
98	9.7	0.0	19.4





#43

Isopropyl Acetate

Concen: 56.958 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN056884.D

Acq: 23 Jul 2019 17:27

Instrument :

MSVOA_N

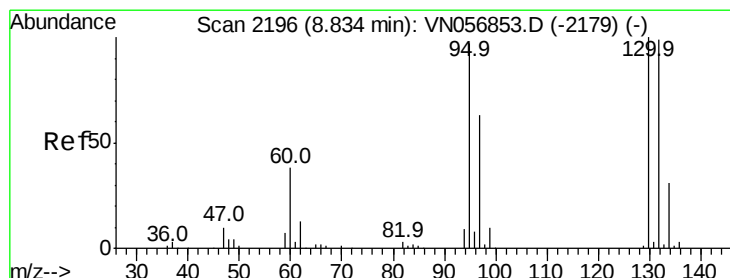
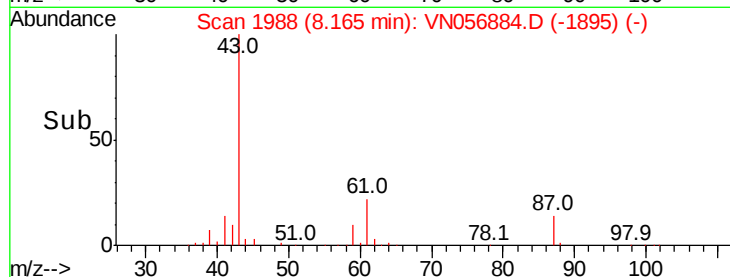
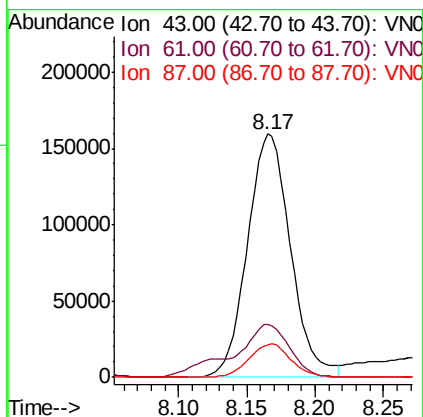
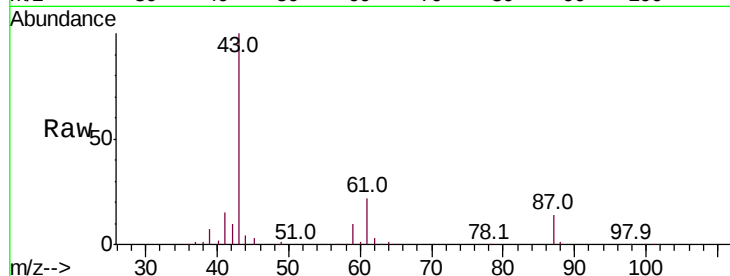
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	348150
Ion	Ratio	Lower	Upper
43	100		
61	22.0	17.8	26.6
87	13.5	11.0	16.4

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#44

Trichloroethene

Concen: 54.581 ug/l

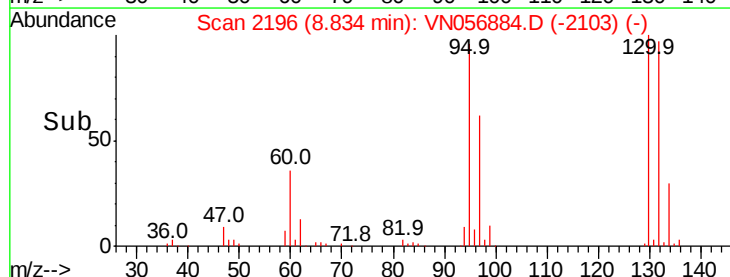
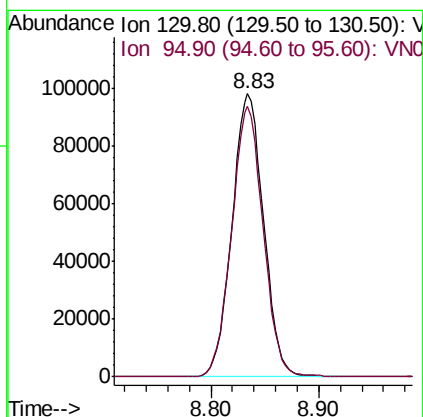
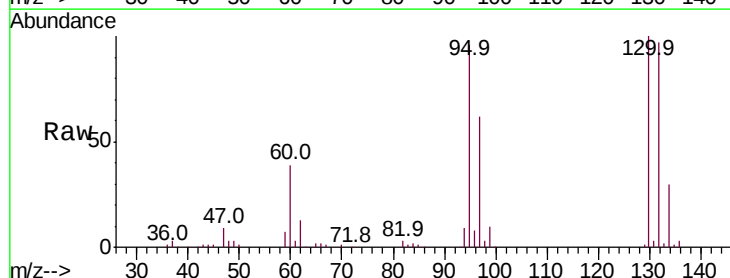
RT: 8.83 min Scan# 2196

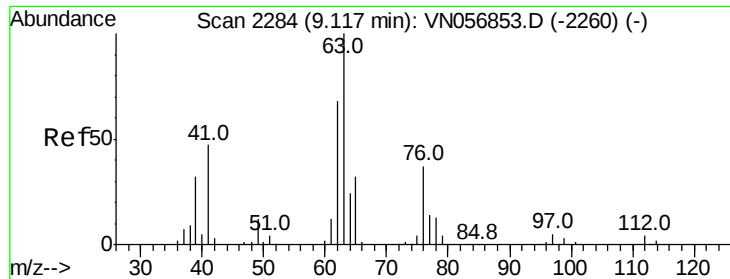
Delta R.T. -0.00 min

Lab File: VN056884.D

Acq: 23 Jul 2019 17:27

Tgt Ion:	130	Resp:	200204
Ion	Ratio	Lower	Upper
130	100		
95	95.8	0.0	194.0





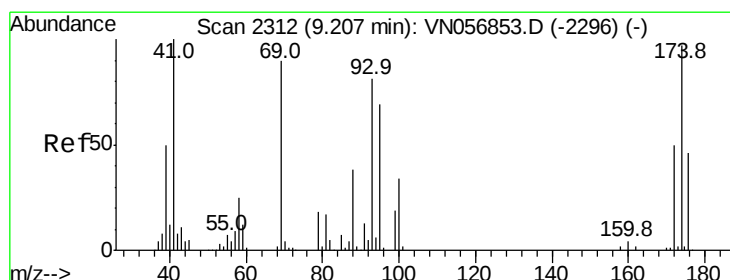
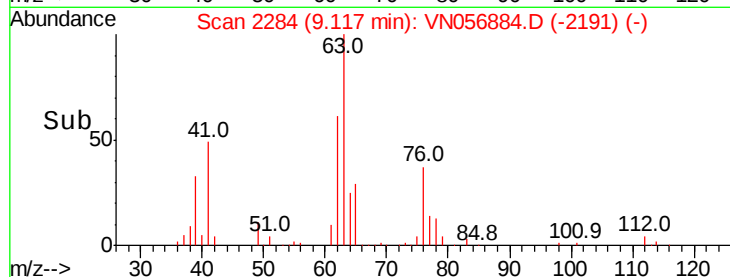
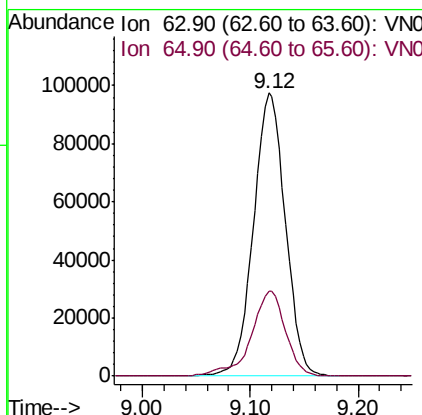
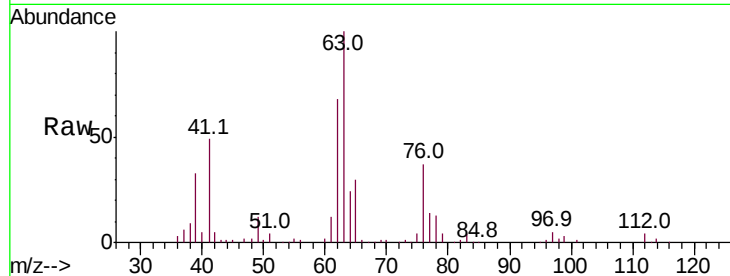
#45
1,2-Dichloropropane
Concen: 54.032 ug/l
RT: 9.12 min Scan# 2284
Delta R.T. -0.00 min
Lab File: VN056884.D
Acq: 23 Jul 2019 17:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 63 Resp: 199348
Ion Ratio Lower Upper
63 100
65 30.1 25.4 38.0

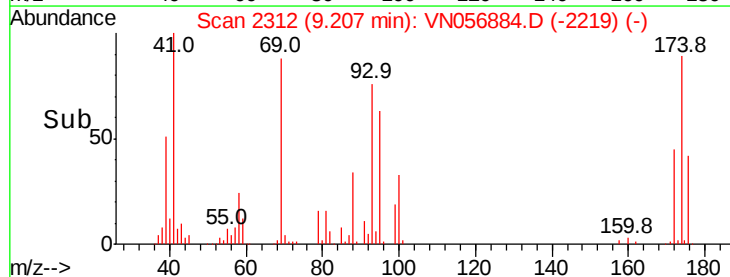
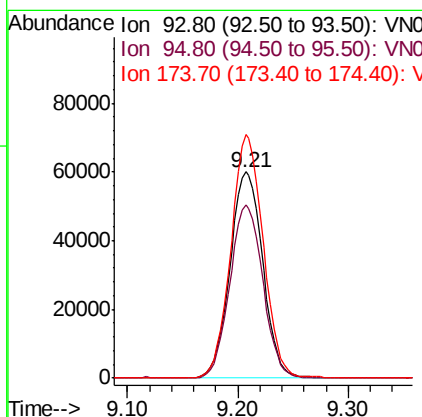
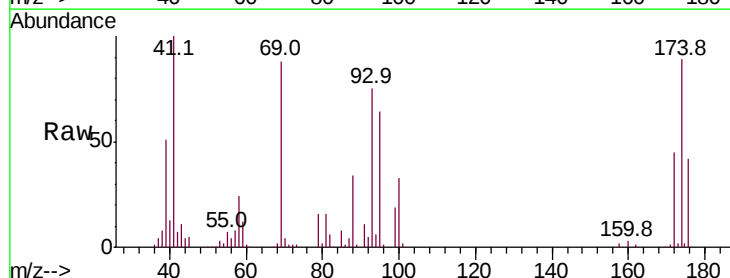
Manual Integrations
APPROVED

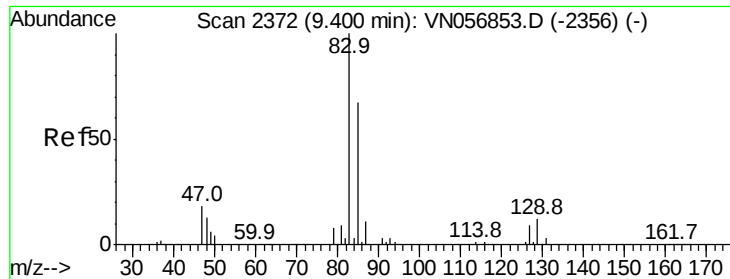
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#46
Dibromomethane
Concen: 54.278 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. -0.00 min
Lab File: VN056884.D
Acq: 23 Jul 2019 17:27

Tgt Ion: 93 Resp: 123604
Ion Ratio Lower Upper
93 100
95 84.5 67.4 101.0
174 115.7 92.9 139.3





#47

Bromodichloromethane

Concen: 55.197 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056884.D

Acq: 23 Jul 2019 17:27

Instrument :

MSVOA_N

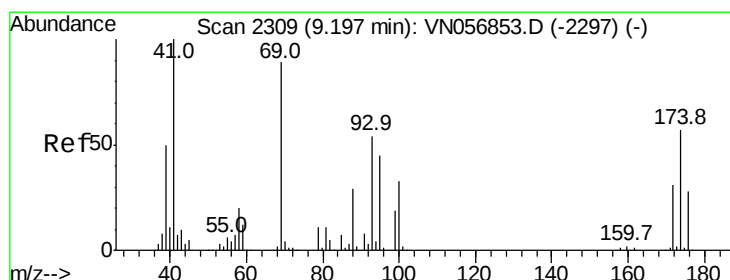
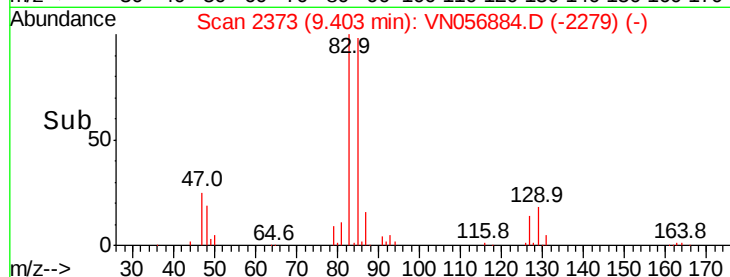
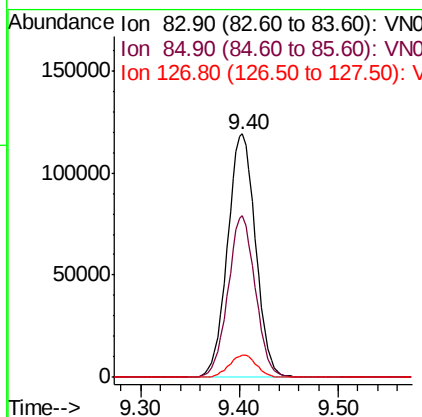
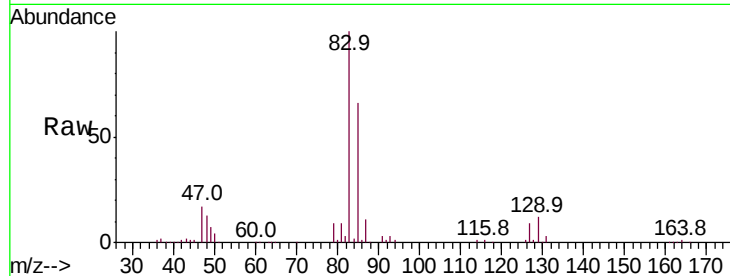
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	236384
Ion Ratio	Lower	Upper	
83	100		
85	66.2	53.4	80.2
127	9.1	7.2	10.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 56.573 ug/l

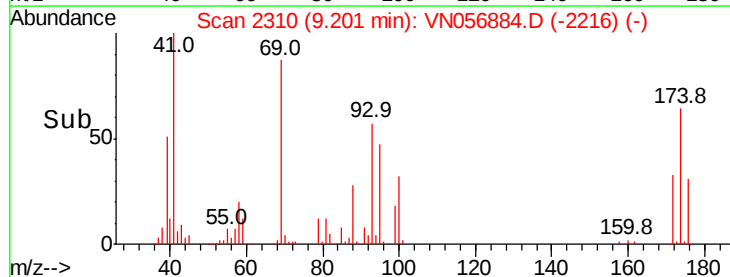
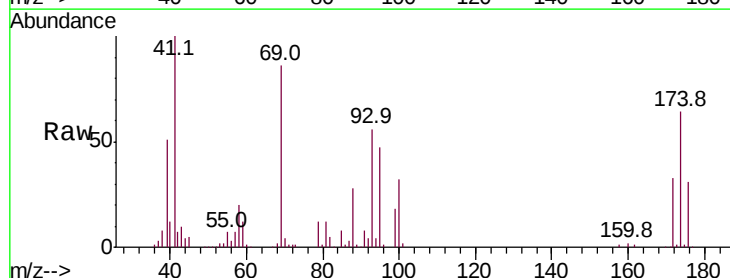
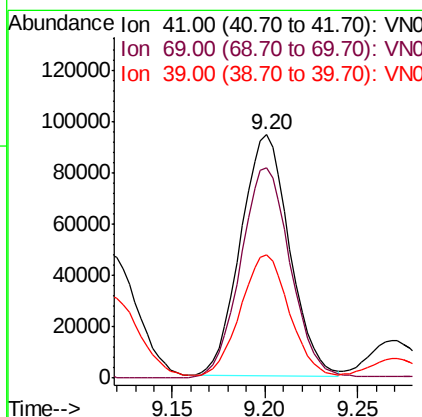
RT: 9.20 min Scan# 2310

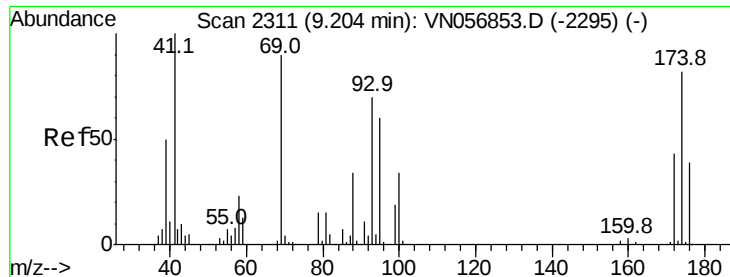
Delta R.T. 0.00 min

Lab File: VN056884.D

Acq: 23 Jul 2019 17:27

Tgt Ion:	41	Resp:	172985
Ion Ratio	Lower	Upper	
41	100		
69	89.7	71.1	106.7
39	51.4	40.6	60.8





#49

1,4-Dioxane

Concen: 1121.862 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN056884.D

Acq: 23 Jul 2019 17:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 88 Resp: 67287

Ion Ratio Lower Upper

88 100

43 28.2 21.4 32.2

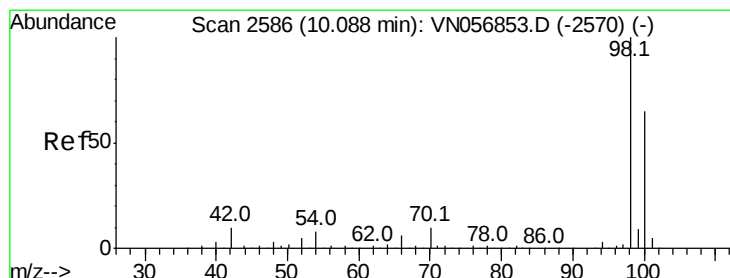
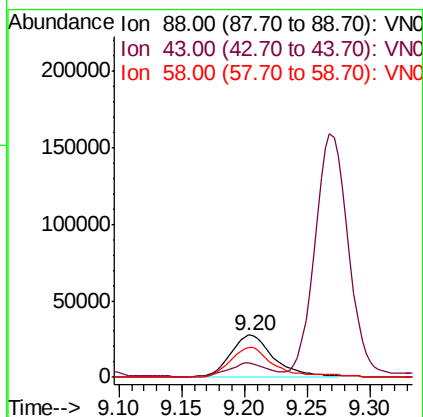
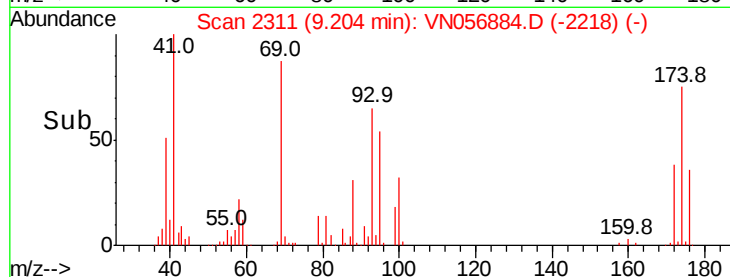
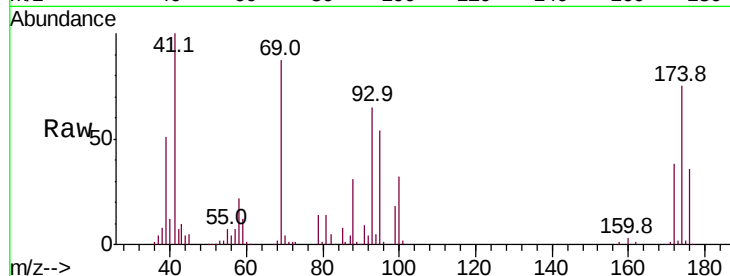
58 72.0 55.7 83.5

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#50

Toluene-d8

Concen: 55.276 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN056884.D

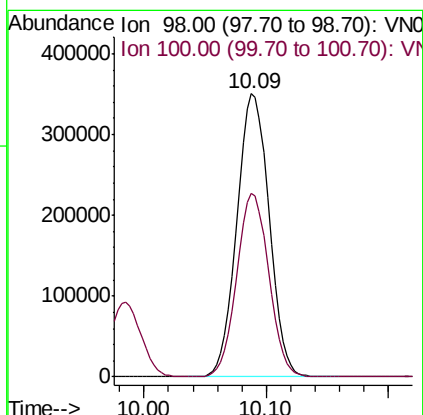
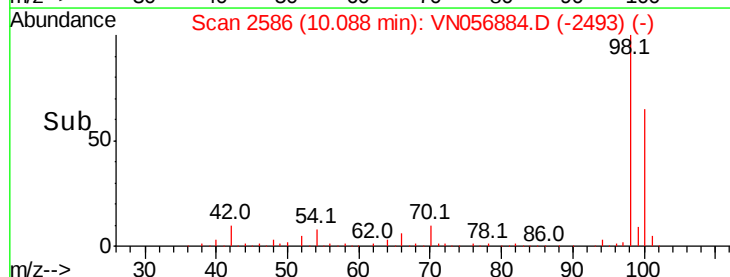
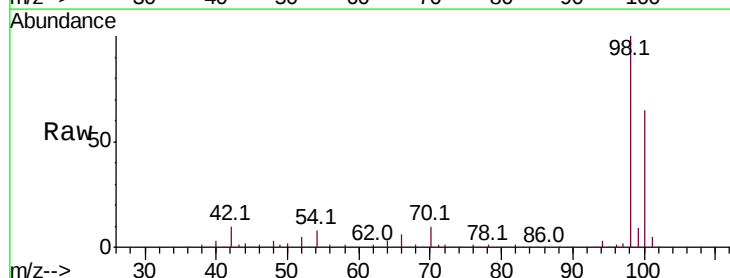
Acq: 23 Jul 2019 17:27

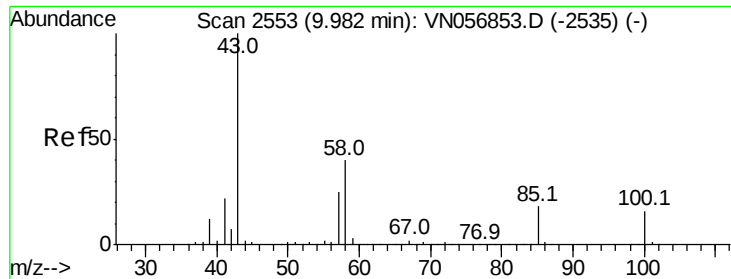
Tgt Ion: 98 Resp: 640838

Ion Ratio Lower Upper

98 100

100 64.3 51.5 77.3





#51

4-Methyl-2-Pentanone

Concen: 290.954 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056884.D

Acq: 23 Jul 2019 17:27

Tot Ion: 43 Resp: 1060515

Ion Ratio Lower Upper

43 100

58 40.3 32.4 48.6

Instrument :

MSVOA_N

ClientSampleId :

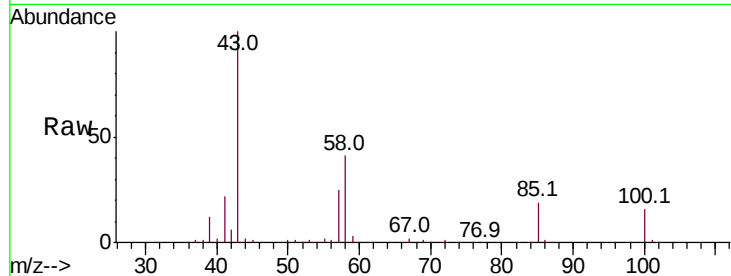
VSTDCCC050EC

Manual Integrations

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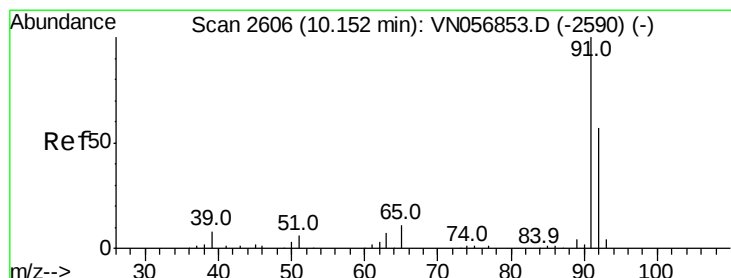
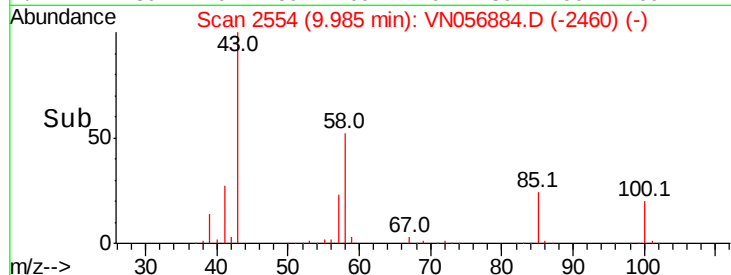
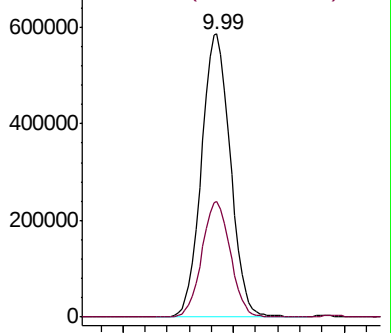
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 55.013 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN056884.D

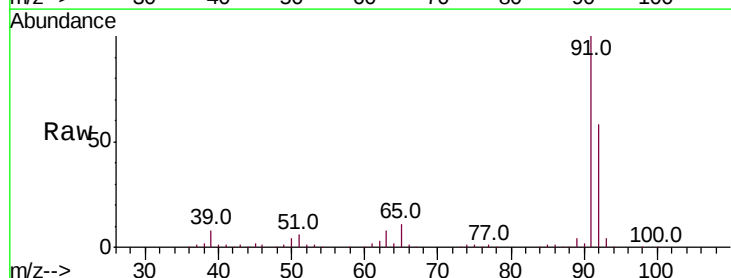
Acq: 23 Jul 2019 17:27

Tgt Ion: 92 Resp: 453382

Ion Ratio Lower Upper

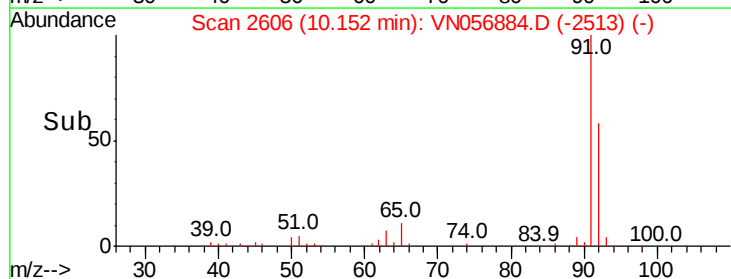
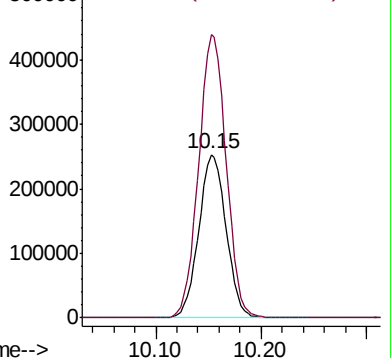
92 100

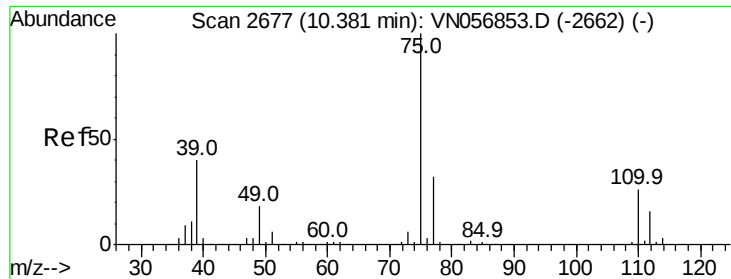
91 174.4 140.6 210.8



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





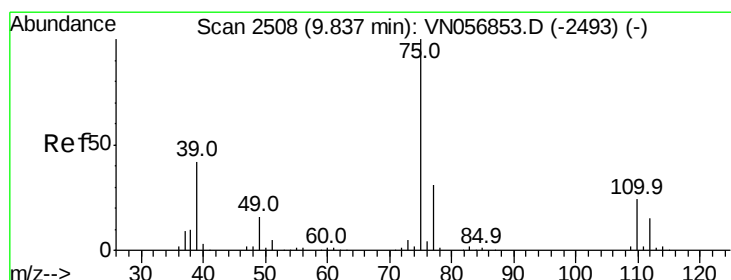
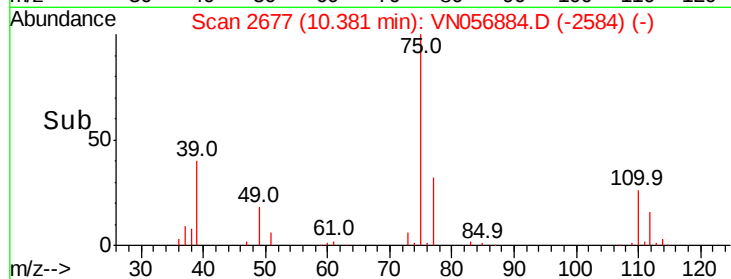
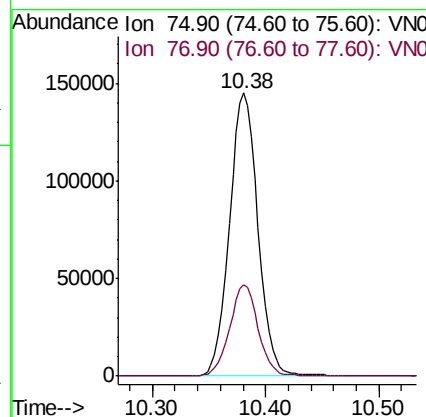
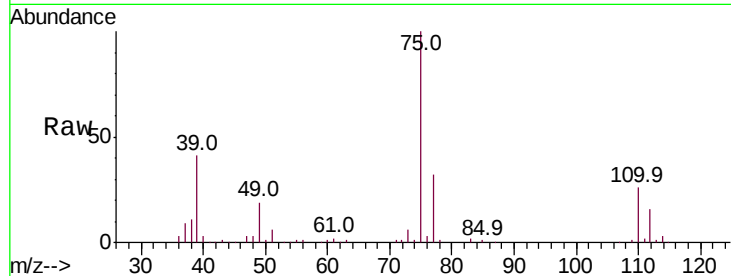
#53
t-1,3-Dichloropropene
Concen: 57.619 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN056884.D
Acq: 23 Jul 2019 17:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 253255
Ion Ratio Lower Upper
75 100
77 32.2 25.4 38.2

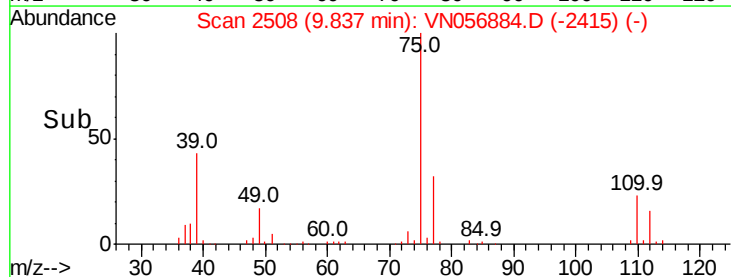
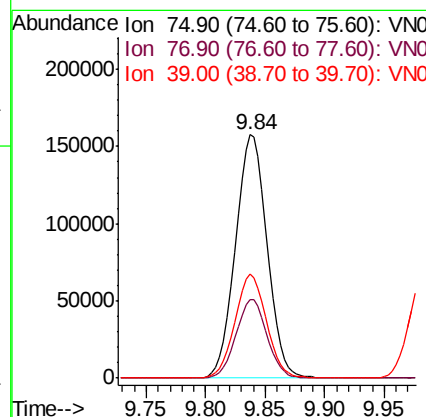
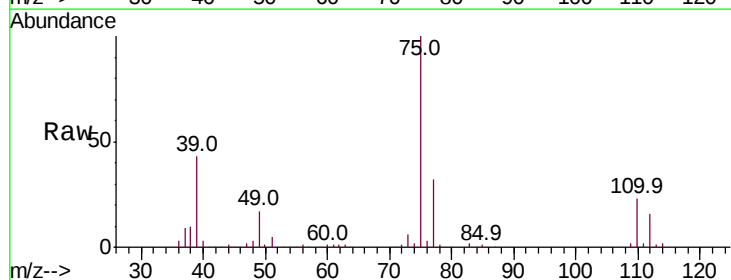
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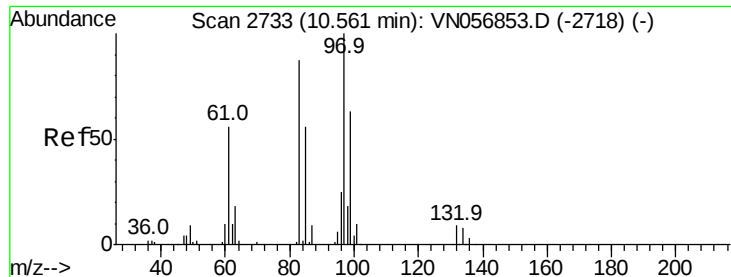
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#54
cis-1,3-Dichloropropene
Concen: 56.047 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN056884.D
Acq: 23 Jul 2019 17:27

Tgt Ion: 75 Resp: 290422
Ion Ratio Lower Upper
75 100
77 32.2 25.1 37.7
39 42.5 33.4 50.2





#55

1,1,2-Trichloroethane

Concen: 54.551 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN056884.D

Acq: 23 Jul 2019 17:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 178441

Ion Ratio Lower Upper

97 100

83 86.4 70.0 105.0

85 57.5 45.1 67.7

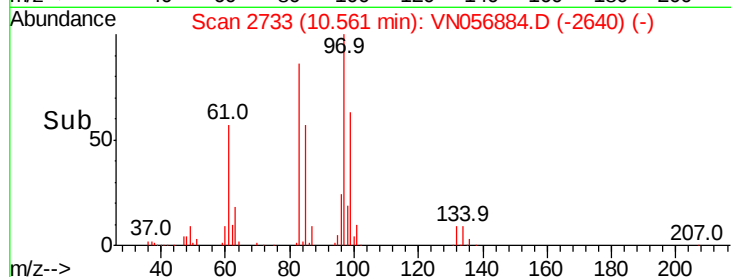
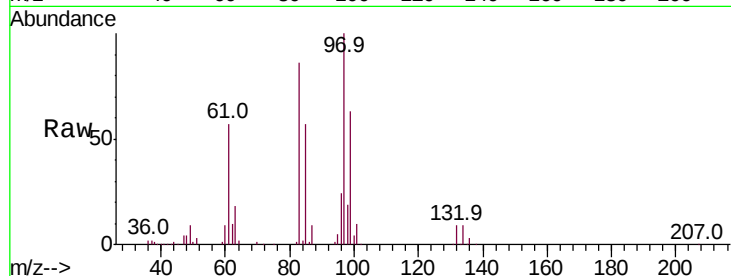
99 63.2 50.2 75.4

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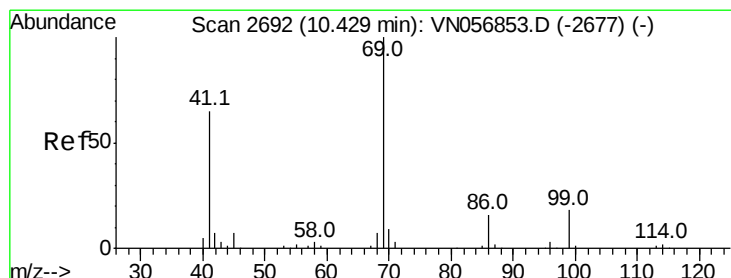
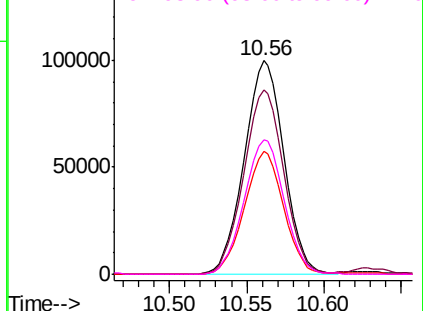
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 58.583 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN056884.D

Acq: 23 Jul 2019 17:27

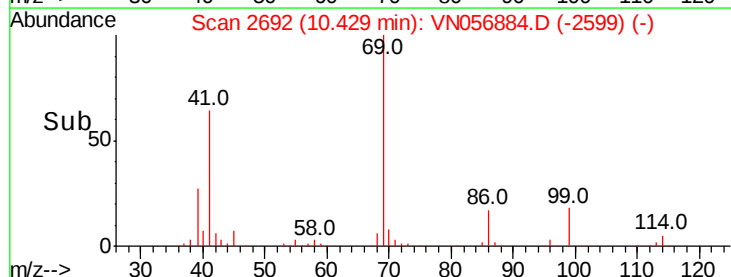
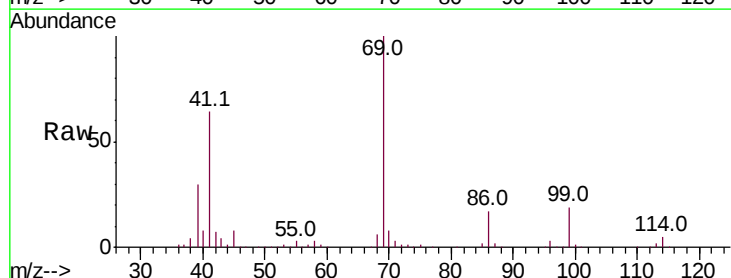
Tgt Ion: 69 Resp: 266016

Ion Ratio Lower Upper

69 100

41 63.2 51.0 76.6

39 29.2 24.5 36.7

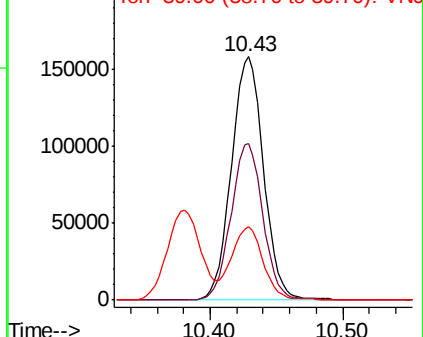


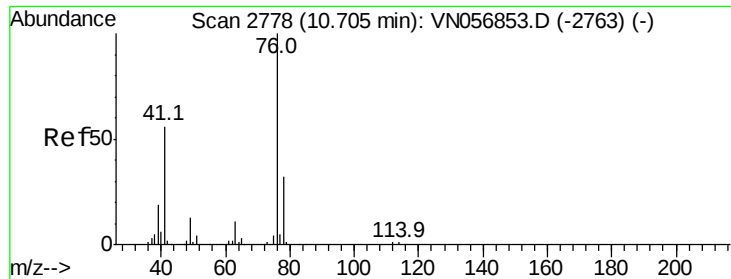
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 55.682 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN056884.D

Acq: 23 Jul 2019 17:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 301486

Ion Ratio Lower Upper

76 100

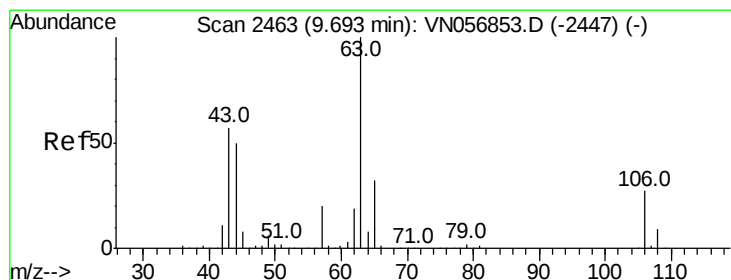
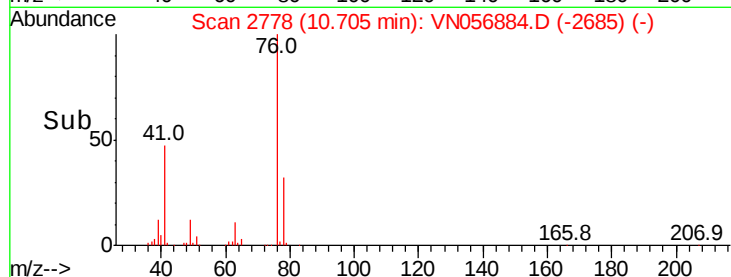
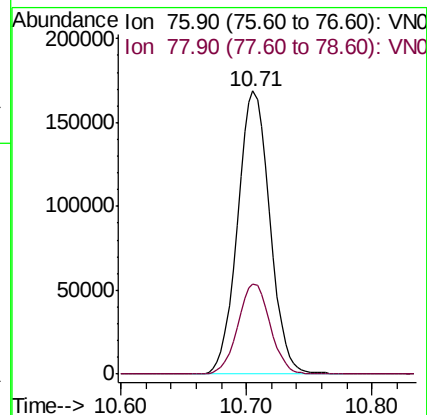
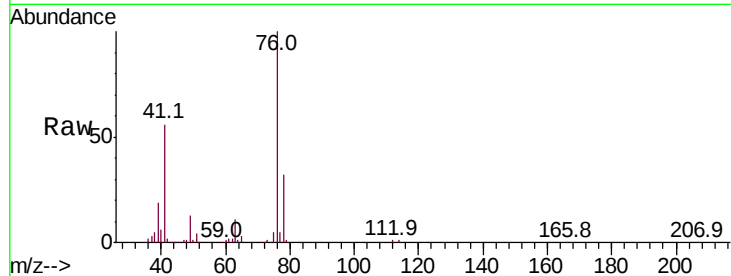
78 31.9 25.8 38.6

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 263.334 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN056884.D

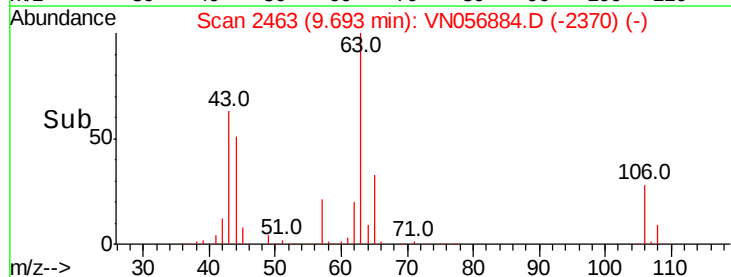
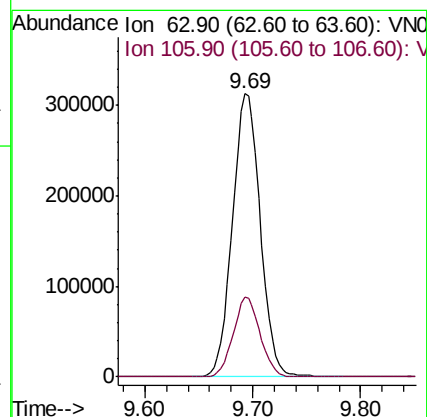
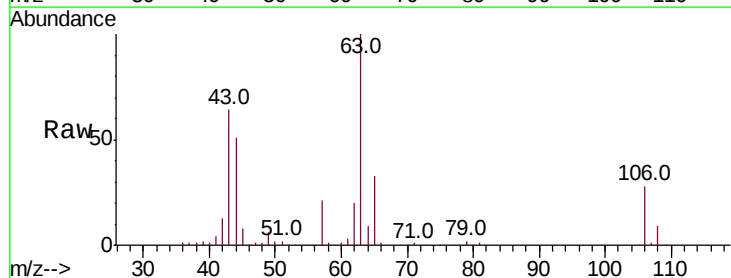
Acq: 23 Jul 2019 17:27

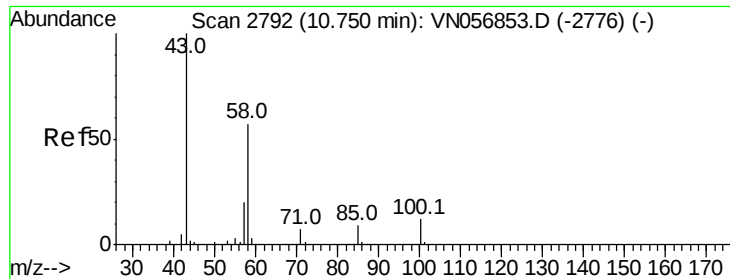
Tgt Ion: 63 Resp: 563680

Ion Ratio Lower Upper

63 100

106 27.1 21.8 32.8





#59

2-Hexanone

Concen: 296.295 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. -0.00 min

Lab File: VN056884.D

Acq: 23 Jul 2019 17:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 747554

Ion Ratio Lower Upper

43 100

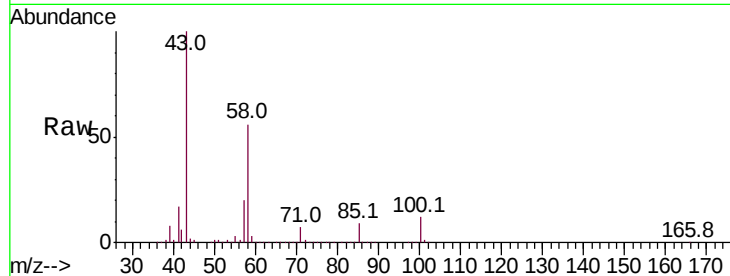
58 56.0 28.3 85.0

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10.75

400000

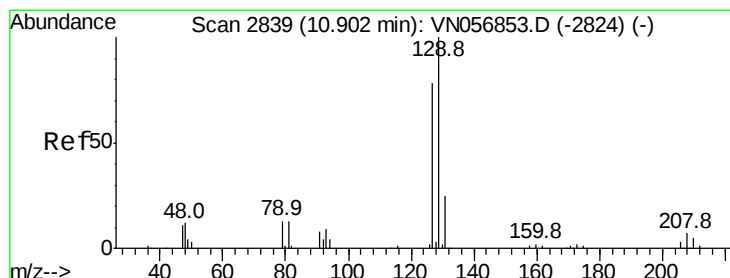
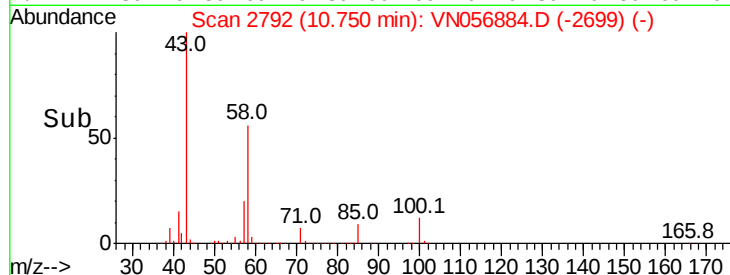
300000

200000

100000

0

Time-->



#60

Dibromochloromethane

Concen: 56.852 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN056884.D

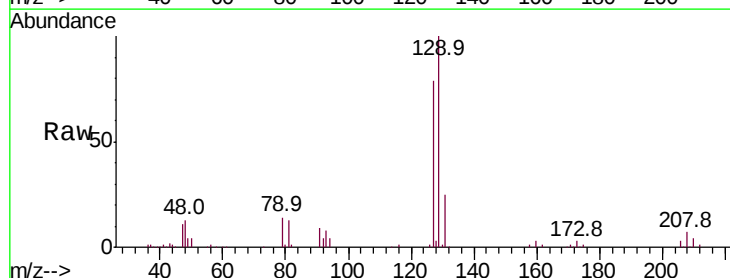
Acq: 23 Jul 2019 17:27

Tgt Ion: 129 Resp: 186609

Ion Ratio Lower Upper

129 100

127 77.8 38.5 115.5



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

10.90

120000

100000

80000

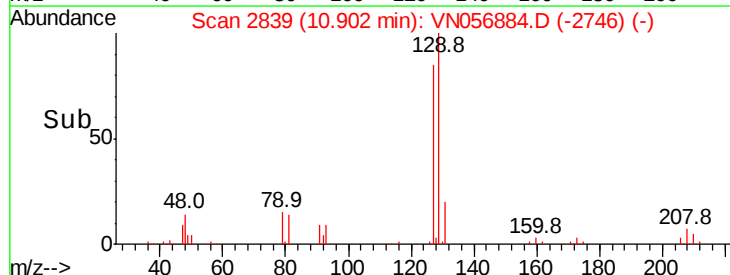
60000

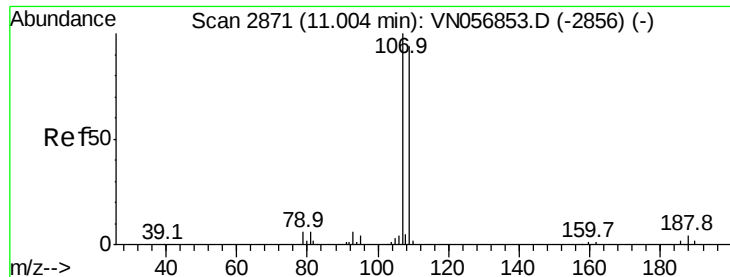
40000

20000

0

Time-->





#61

1,2-Dibromoethane

Concen: 56.348 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN056884.D

Acq: 23 Jul 2019 17:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 183054

Ion Ratio Lower Upper

107 100

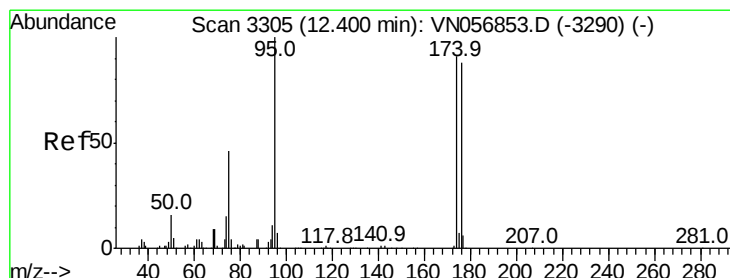
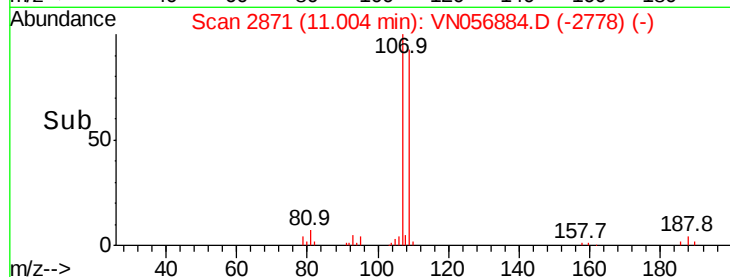
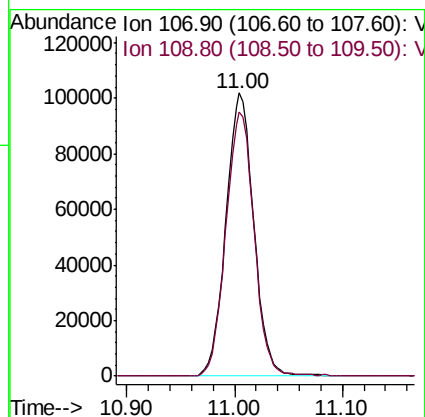
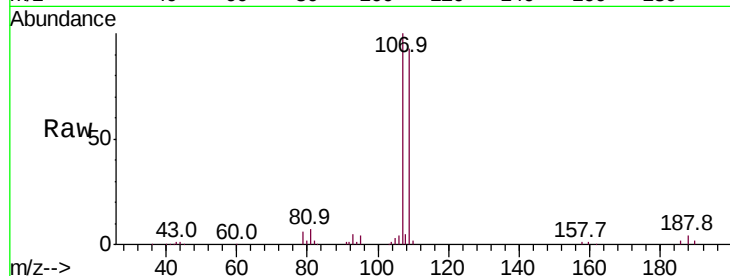
109 94.5 75.3 112.9

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 56.549 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN056884.D

Acq: 23 Jul 2019 17:27

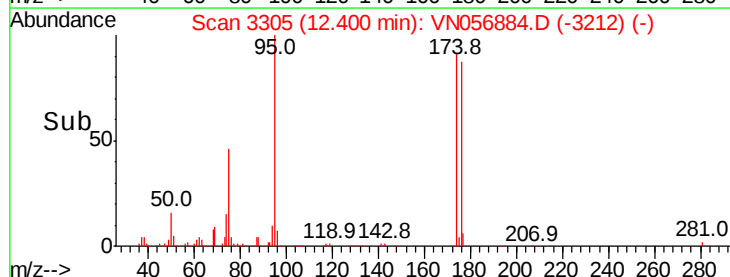
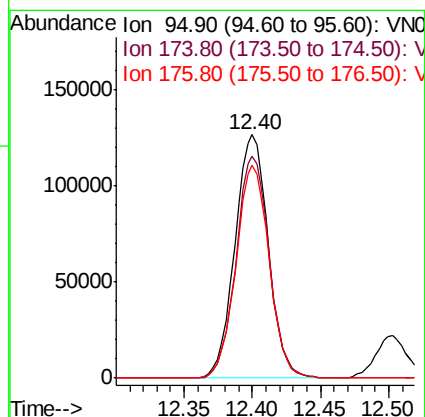
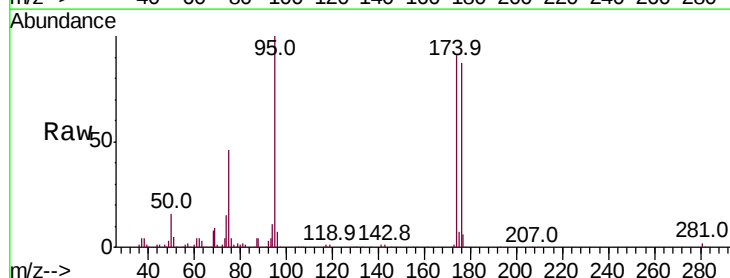
Tgt Ion: 95 Resp: 214548

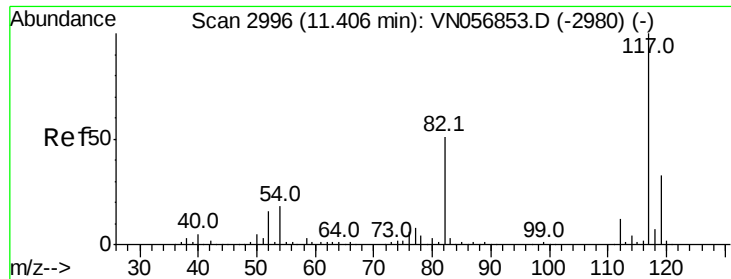
Ion Ratio Lower Upper

95 100

174 90.7 0.0 183.4

176 87.2 0.0 175.8





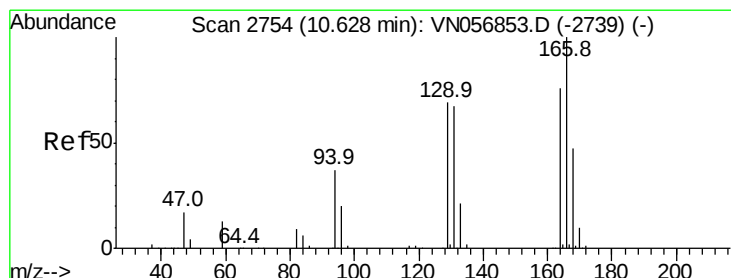
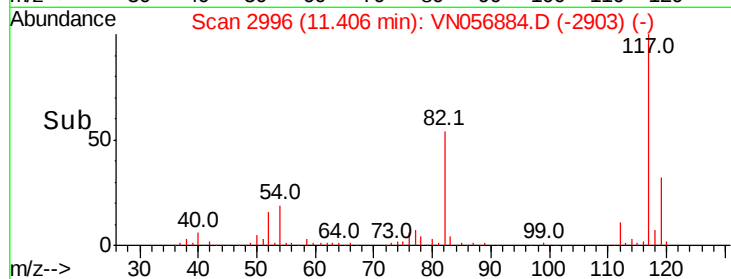
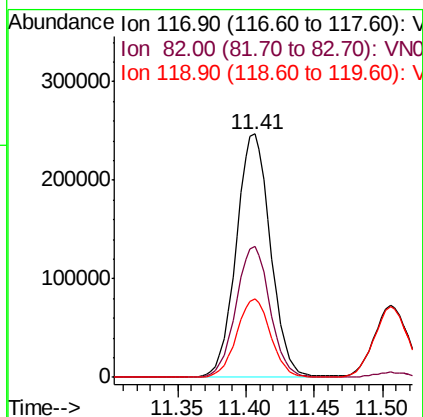
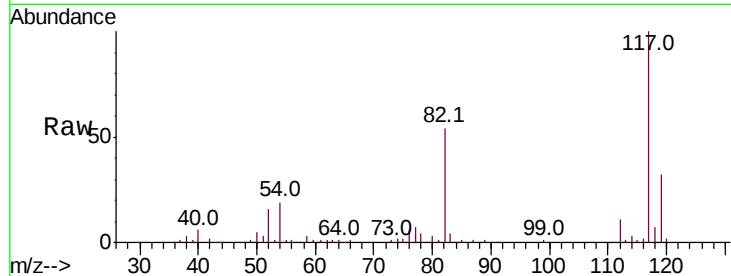
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056884.D
Acq: 23 Jul 2019 17:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	41.2	61.8
119	32.2	26.4	39.6

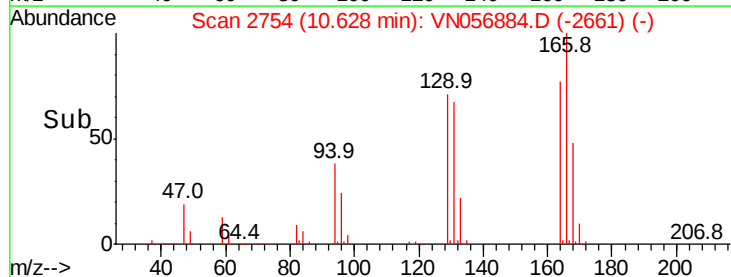
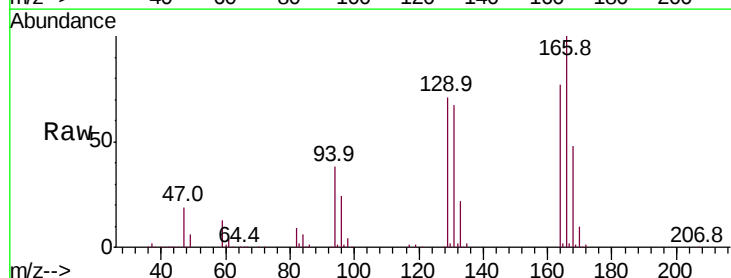
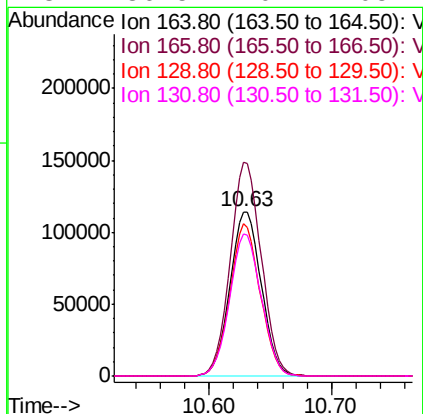
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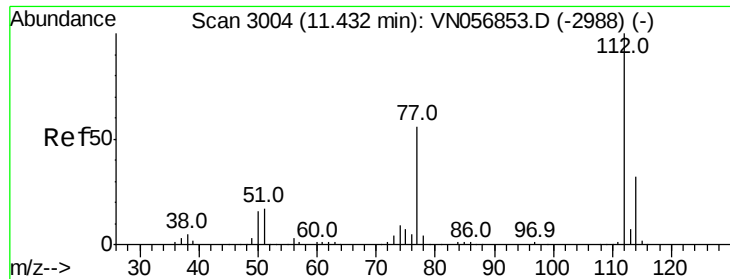
MMDadoda
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#64
Tetrachloroethene
Concen: 55.349 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN056884.D
Acq: 23 Jul 2019 17:27

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.8	104.9	157.3
129	92.7	72.8	109.2
131	86.5	70.2	105.2





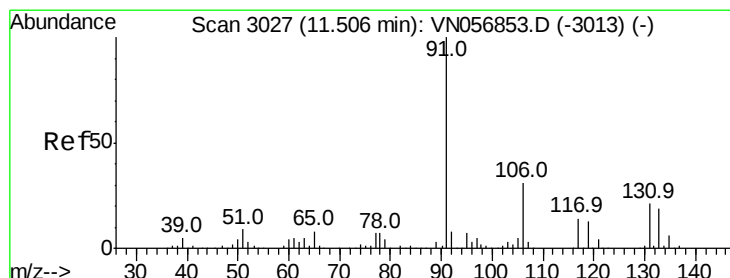
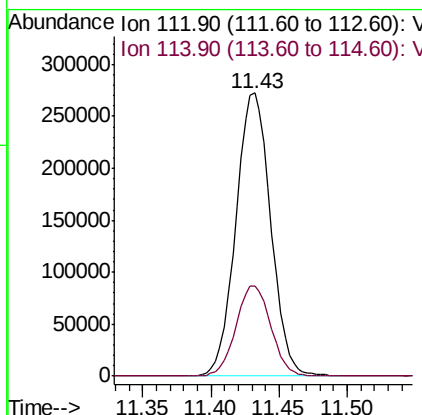
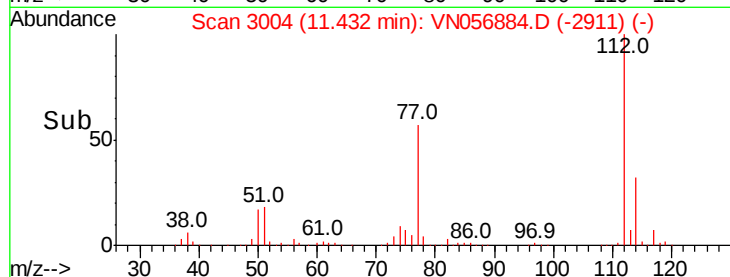
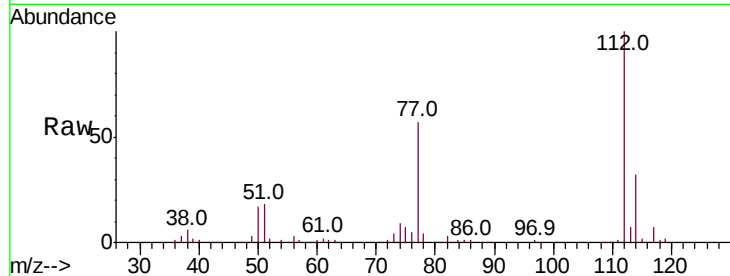
#65
Chlorobenzene
Concen: 53.942 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN056884.D
Acq: 23 Jul 2019 17:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 482930
Ion Ratio Lower Upper
112 100
114 32.0 25.5 38.3

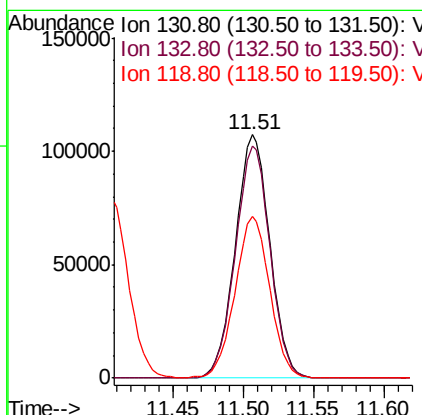
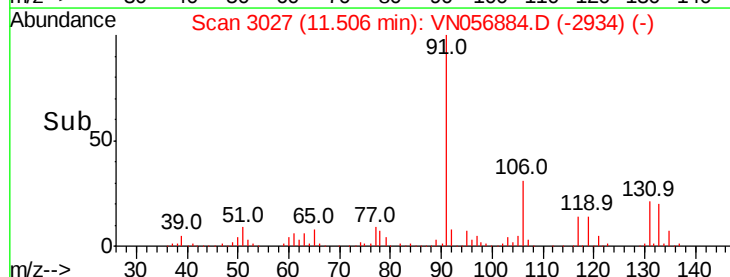
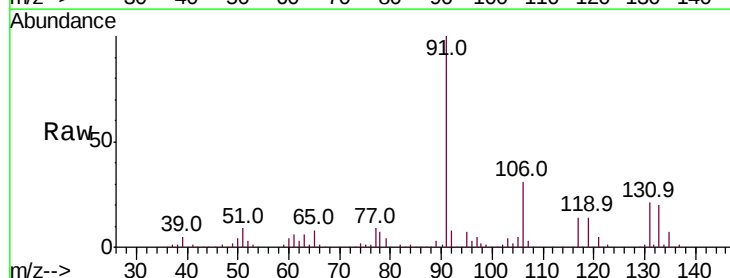
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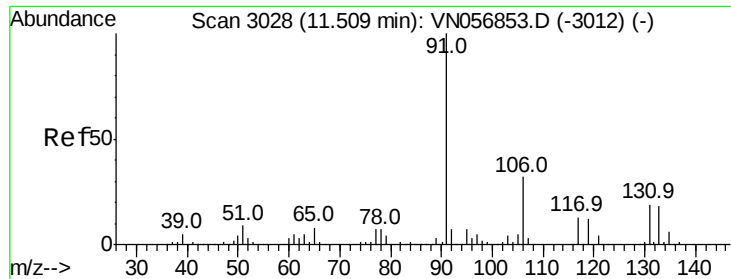
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 54.470 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN056884.D
Acq: 23 Jul 2019 17:27

Tgt Ion:131 Resp: 183847
Ion Ratio Lower Upper
131 100
133 95.6 47.4 142.3
119 67.0 33.1 99.5





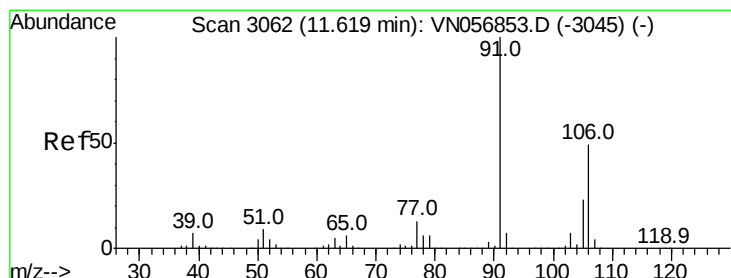
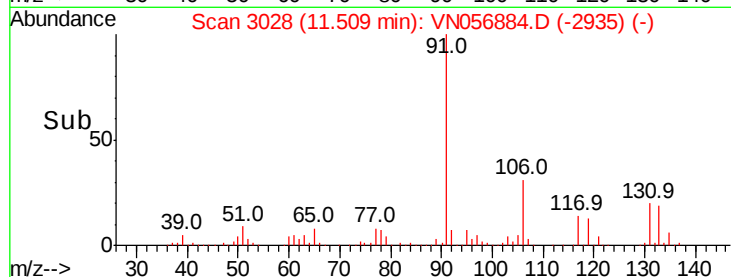
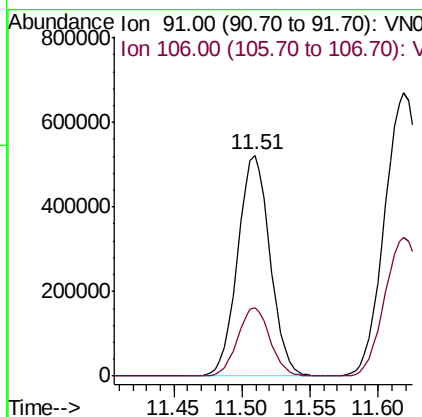
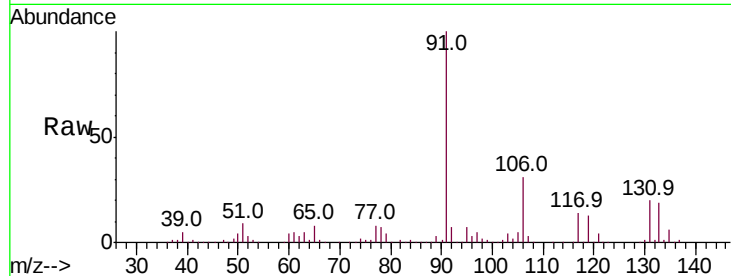
#67
Ethyl Benzene
Concen: 55.627 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN056884.D
Acq: 23 Jul 2019 17:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 859721
Ion Ratio Lower Upper
91 100
106 31.0 25.3 37.9

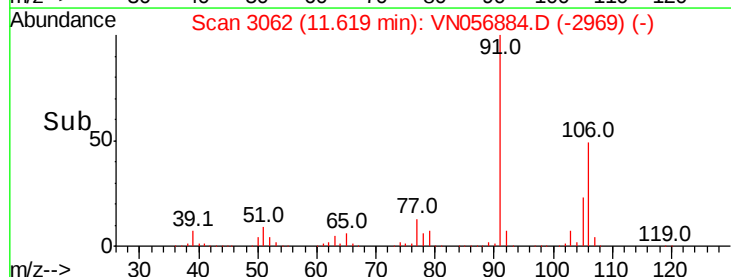
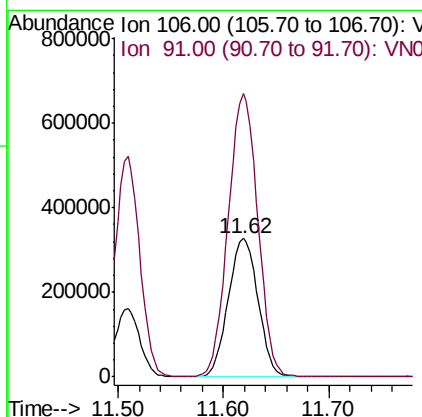
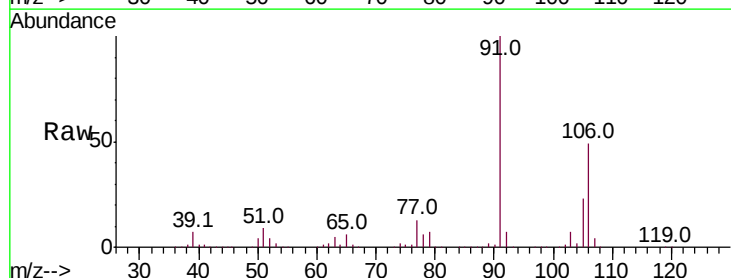
Manual Integrations
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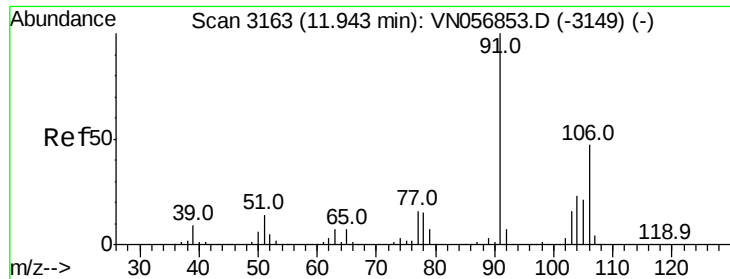
MMDadoda
7/24/2019 1:14:12 PM



#68
m/p-Xylenes
Concen: 110.577 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056884.D
Acq: 23 Jul 2019 17:27

Tgt Ion: 106 Resp: 639797
Ion Ratio Lower Upper
106 100
91 202.9 160.5 240.7





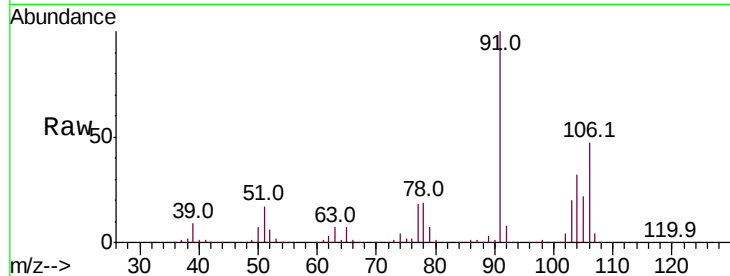
#69
o-Xylene
Concen: 54.668 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056884.D
Acq: 23 Jul 2019 17:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

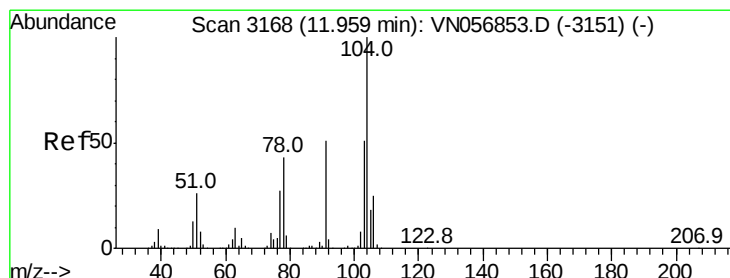
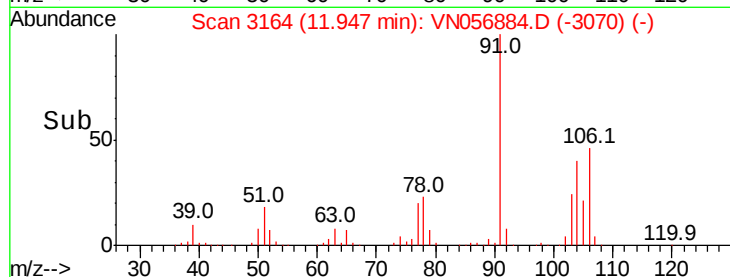
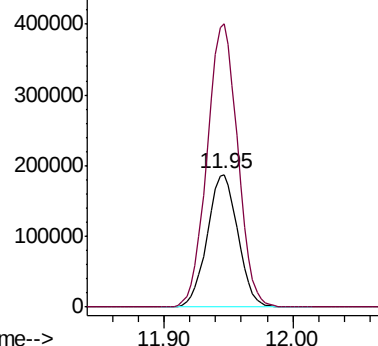
Tot Ion:106 Resp: 308780
Ion Ratio Lower Upper
106 100
91 213.9 105.1 315.3

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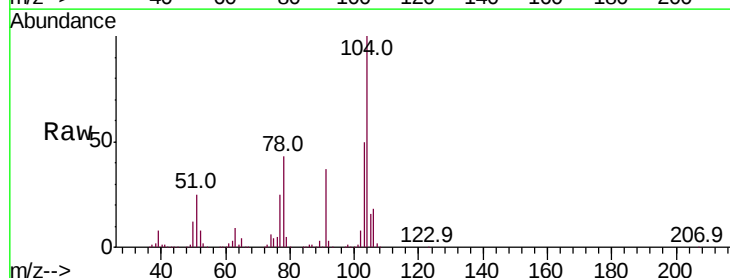


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

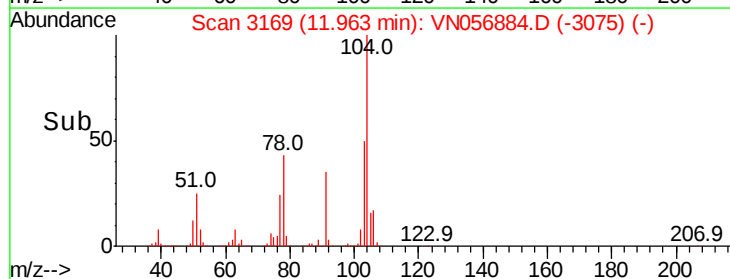
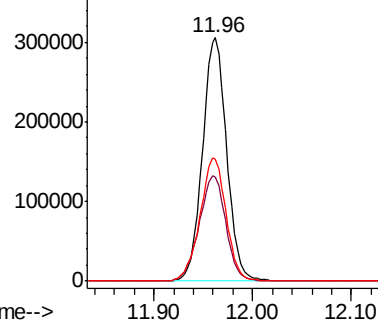


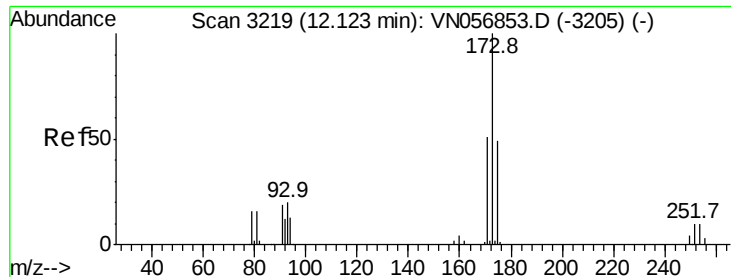
#70
Styrene
Concen: 52.946 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056884.D
Acq: 23 Jul 2019 17:27

Tgt Ion:104 Resp: 525084
Ion Ratio Lower Upper
104 100
78 47.9 38.1 57.1
103 54.5 44.2 66.4



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





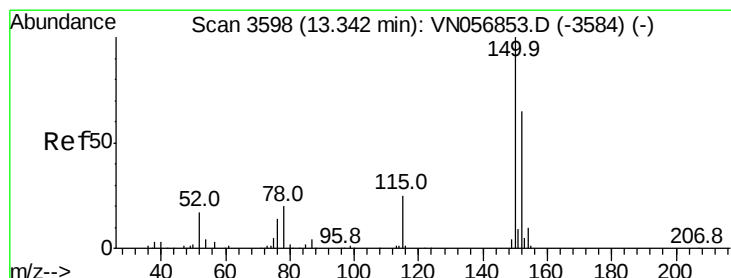
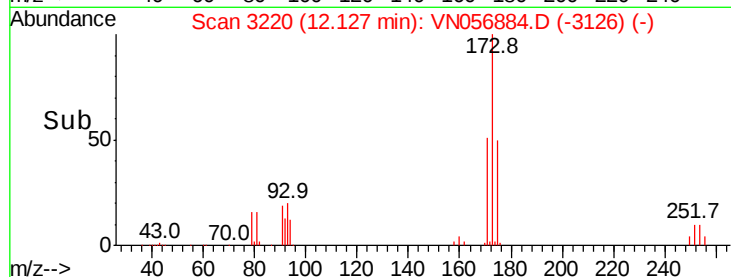
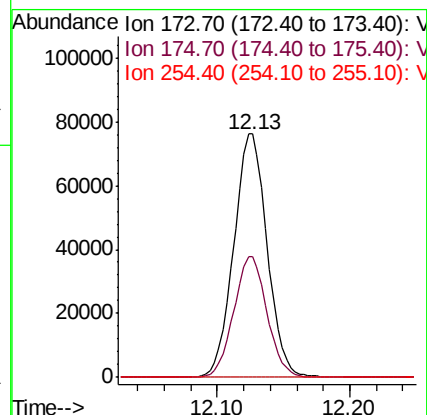
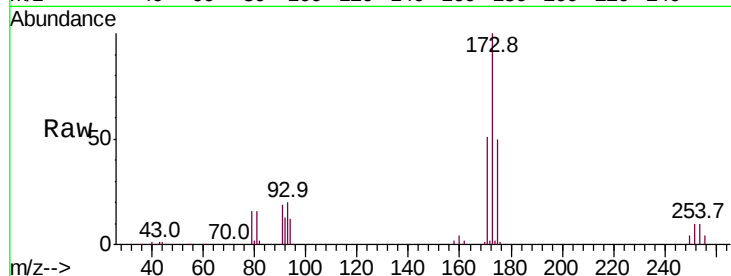
#71
Bromoform
Concen: 56.769 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056884.D
Acq: 23 Jul 2019 17:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.1	72.3
254	0.0	0.0	0.0

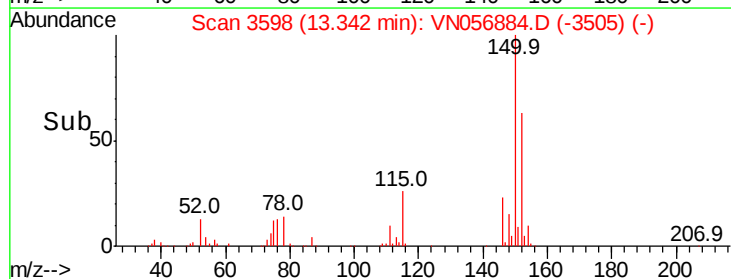
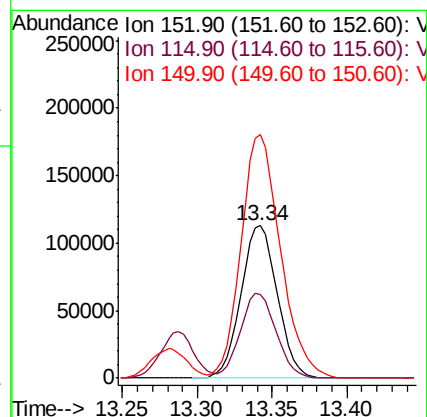
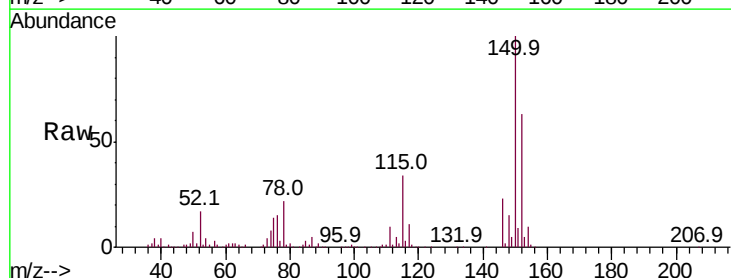
Manual Integrations
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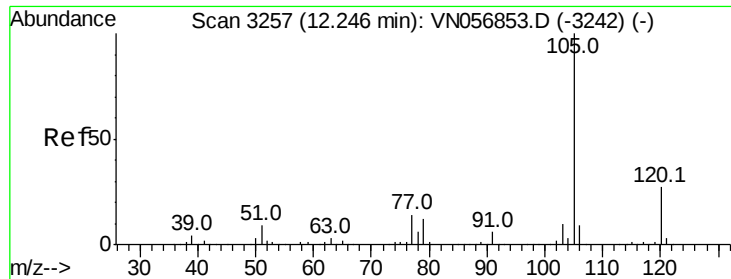
MMDadoda
7/24/2019 1:14:12 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN056884.D
Acq: 23 Jul 2019 17:27

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.8	27.6	82.7
150	173.8	0.0	343.0





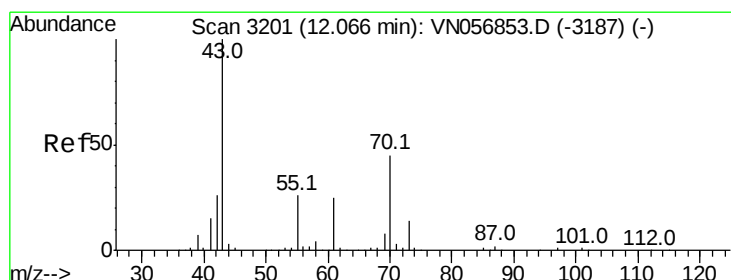
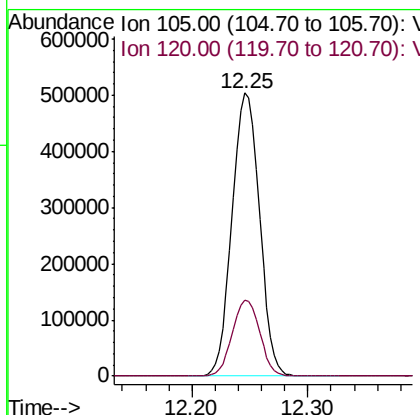
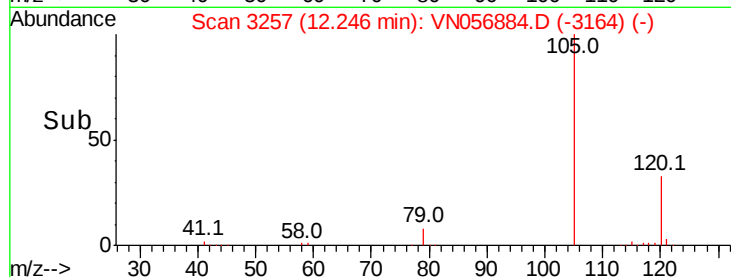
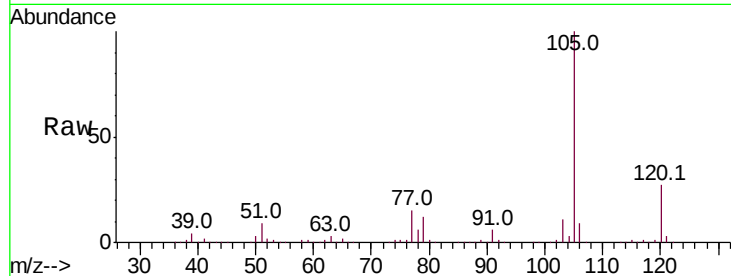
#73
Isopropylbenzene
Concen: 57.724 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. 0.00 min
Lab File: VN056884.D
Acq: 23 Jul 2019 17:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:105 Resp: 826742
Ion Ratio Lower Upper
105 100
120 26.9 13.4 40.2

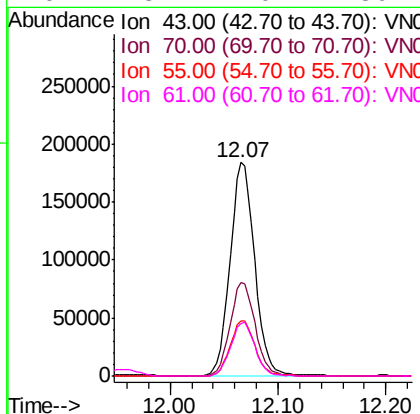
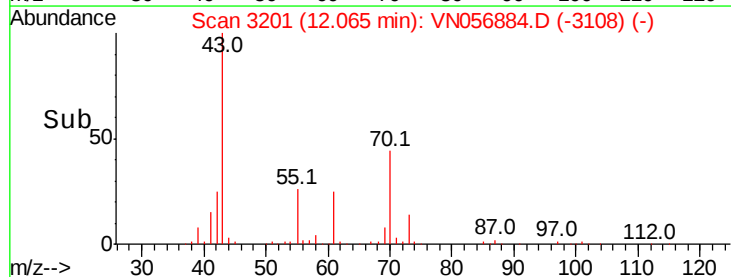
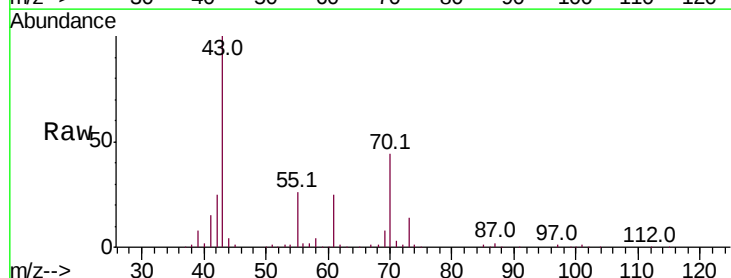
Manual Integrations
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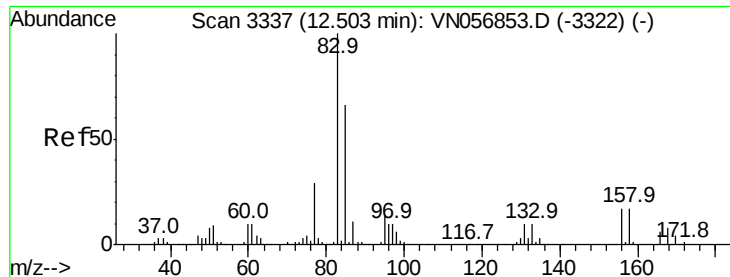
MMDadoda
7/24/2019 1:14:12 PM



#74
N-ethyl acetate
Concen: 52.202 ug/l
RT: 12.07 min Scan# 3201
Delta R.T. -0.00 min
Lab File: VN056884.D
Acq: 23 Jul 2019 17:27

Tgt Ion: 43 Resp: 292075
Ion Ratio Lower Upper
43 100
70 44.7 35.3 52.9
55 26.4 20.6 31.0
61 25.1 20.2 30.2





#75

1,1,2,2-Tetrachloroethane

Concen: 58.924 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056884.D

Acq: 23 Jul 2019 17:27

Instrument :

MSVOA_N

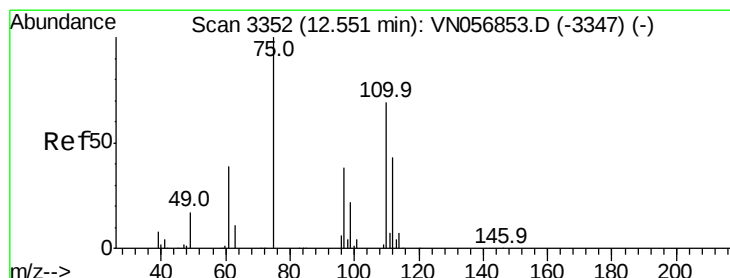
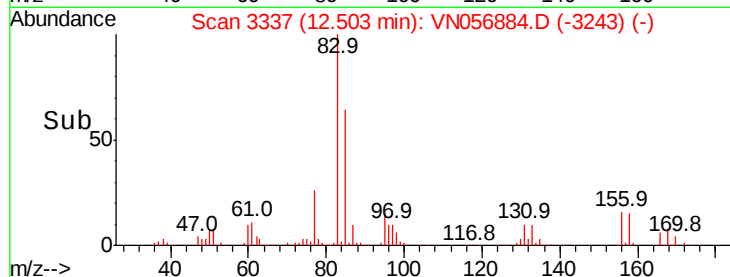
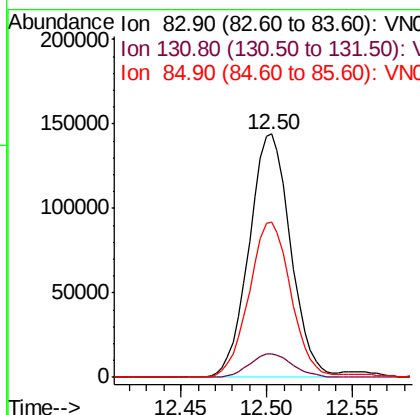
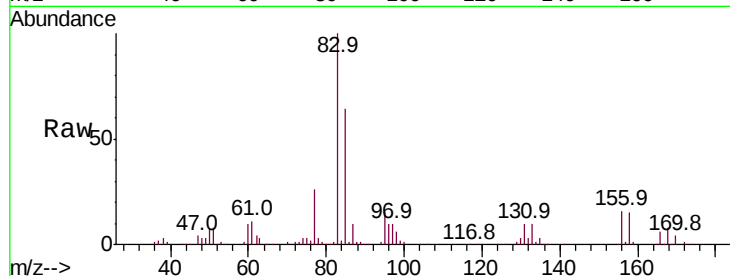
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	240873
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.1	15.4
85	64.5	32.8	98.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 53.286 ug/l m

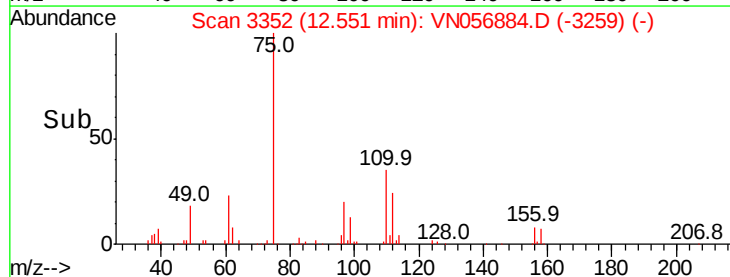
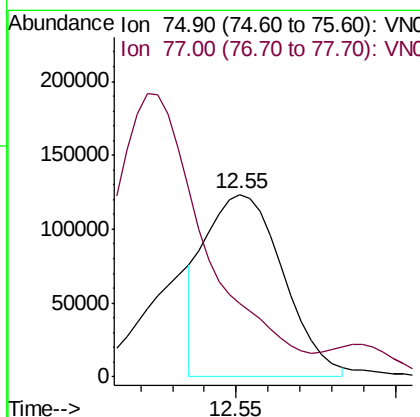
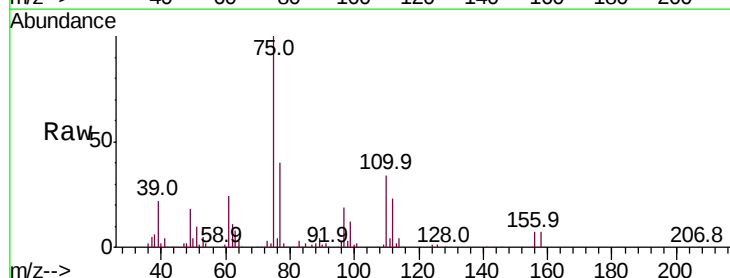
RT: 12.55 min Scan# 3352

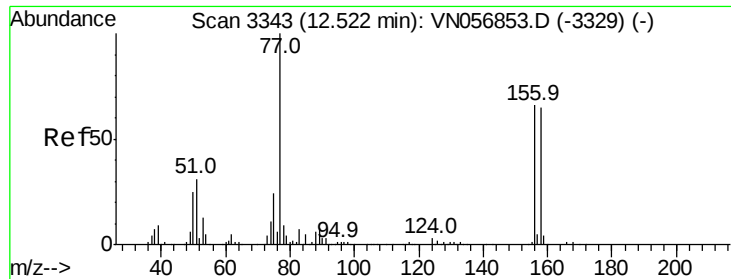
Delta R.T. -0.00 min

Lab File: VN056884.D

Acq: 23 Jul 2019 17:27

Tgt Ion:	75	Resp:	210435
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 52.899 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056884.D

Acq: 23 Jul 2019 17:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 219879

Ion Ratio Lower Upper

156 100

77 181.8 90.7 272.1

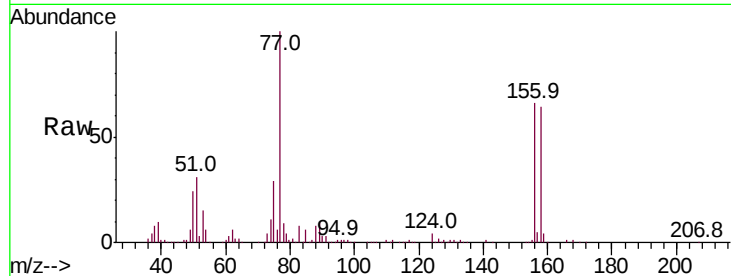
158 96.2 48.5 145.5

Manual Integrations

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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V

250000

200000

150000

100000

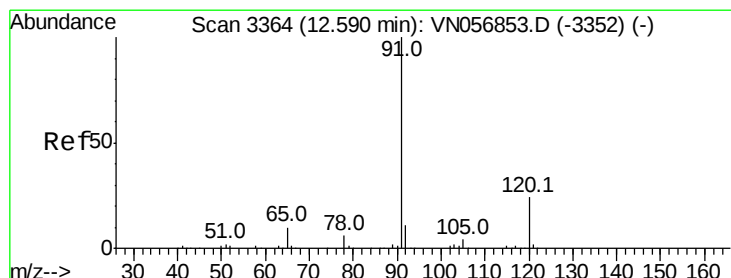
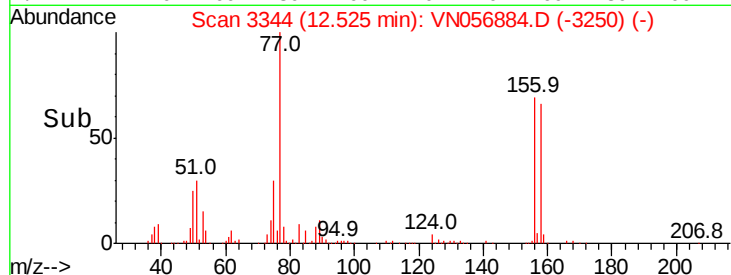
50000

0

12.53

12.50 12.55 12.60

Time-->



#78

n-propylbenzene

Concen: 52.355 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN056884.D

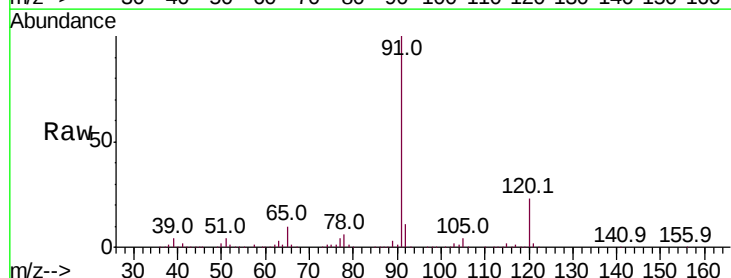
Acq: 23 Jul 2019 17:27

Tgt Ion: 91 Resp: 917016

Ion Ratio Lower Upper

91 100

120 23.5 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V

600000

400000

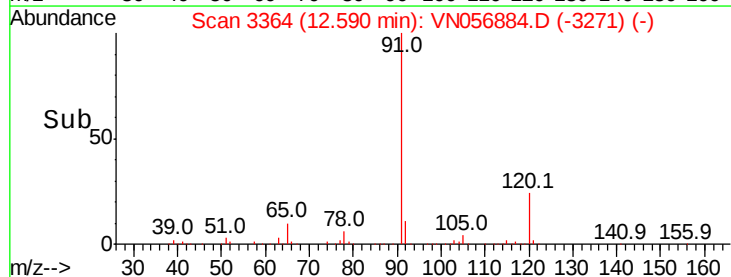
200000

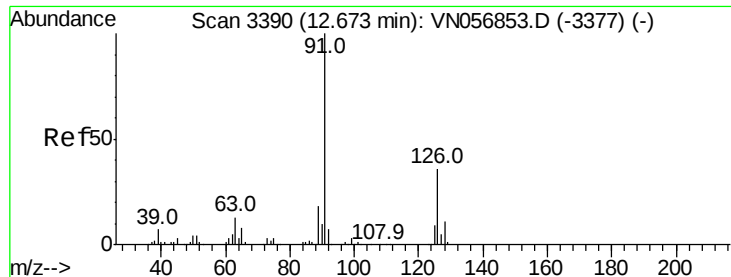
0

12.59

12.55 12.60 12.65

Time-->





#79

2-Chlorotoluene

Concen: 57.180 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056884.D

Acq: 23 Jul 2019 17:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 546334

Ion Ratio Lower Upper

91 100

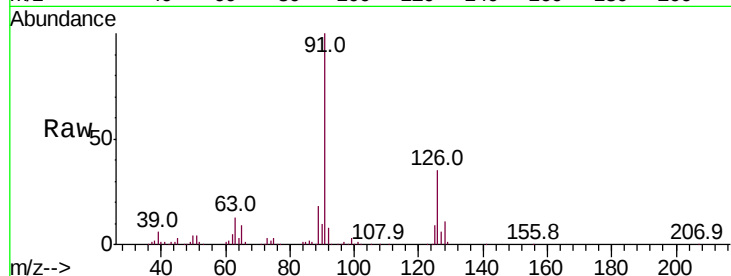
126 35.2 17.8 53.5

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN056884.D (-3297) (-)

Ion 125.90 (125.60 to 126.60): VN056884.D (-3297) (-)

500000

400000

300000

200000

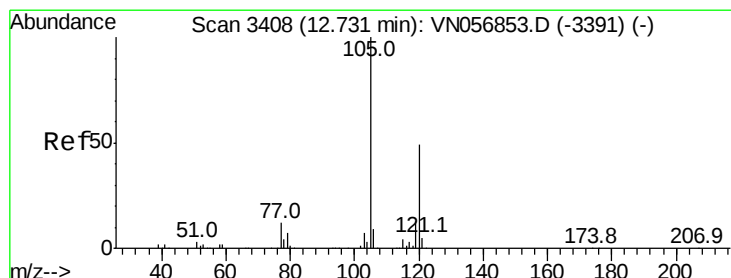
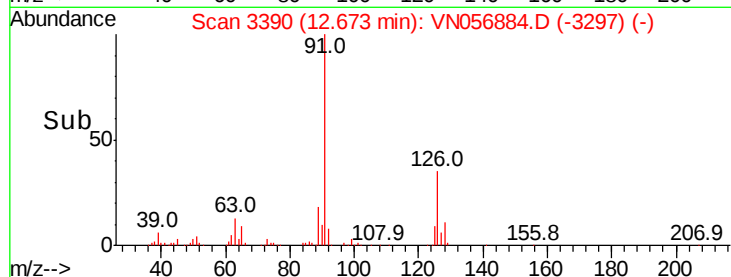
100000

0

12.60 12.65 12.70

12.67

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 57.283 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056884.D

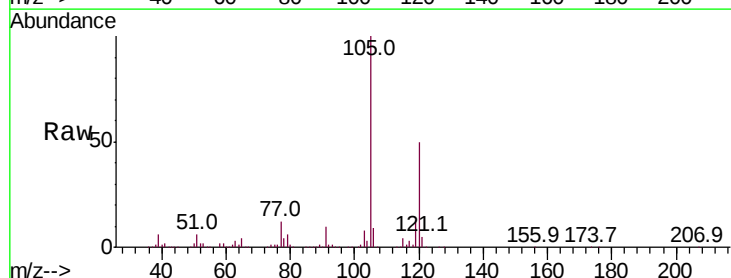
Acq: 23 Jul 2019 17:27

Tgt Ion: 105 Resp: 694362

Ion Ratio Lower Upper

105 100

120 49.6 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN056884.D (-3315) (-)

Ion 120.00 (119.70 to 120.70): VN056884.D (-3315) (-)

500000

400000

300000

200000

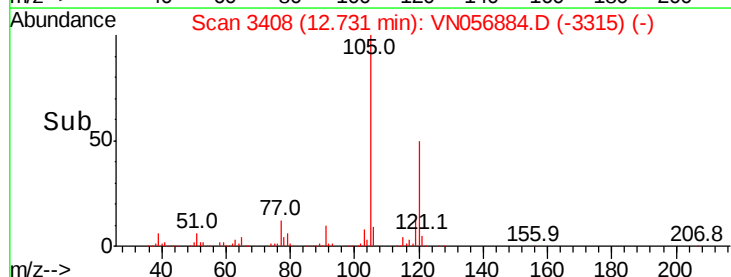
100000

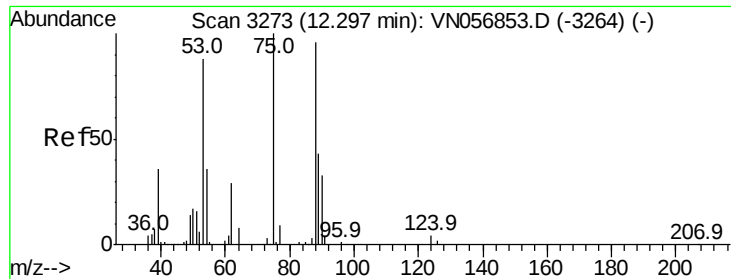
0

12.65 12.70 12.75 12.80

12.73

Time-->





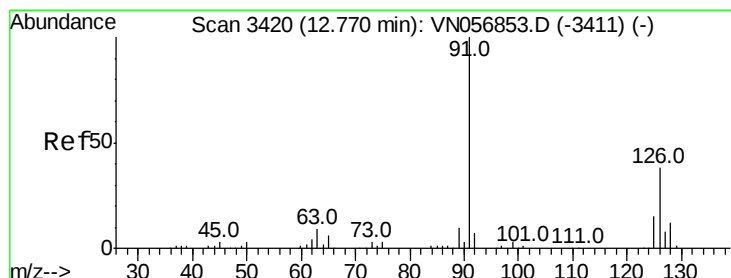
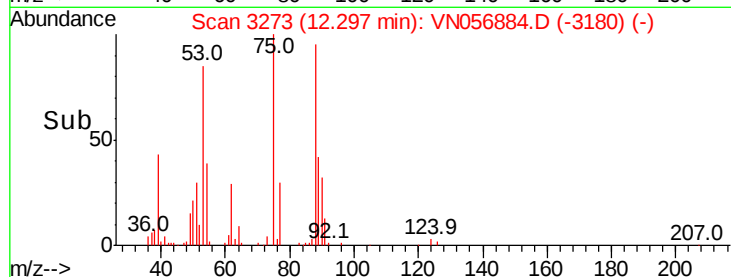
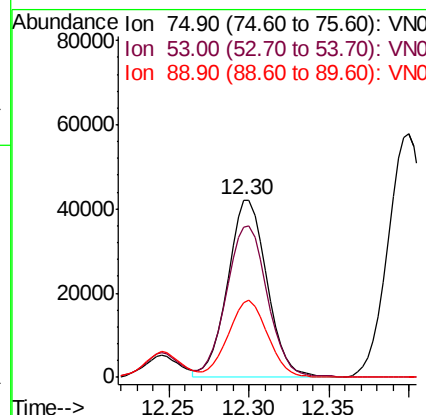
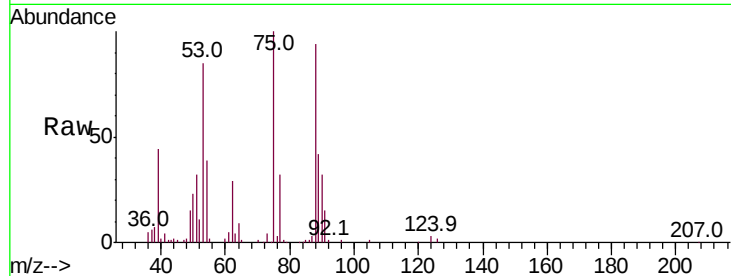
#81
trans-1,4-Dichloro-2-butene
Concen: 57.292 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. -0.00 min
Lab File: VN056884.D
Acq: 23 Jul 2019 17:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.8	72.3	108.5
89	43.8	36.2	54.4

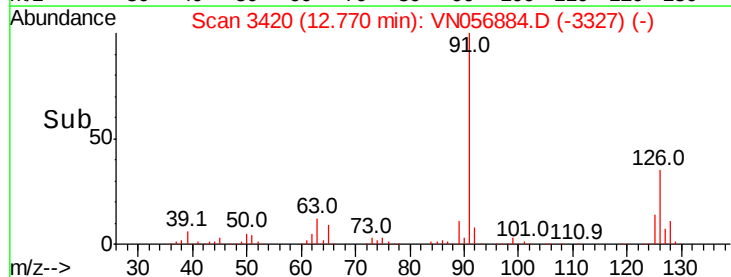
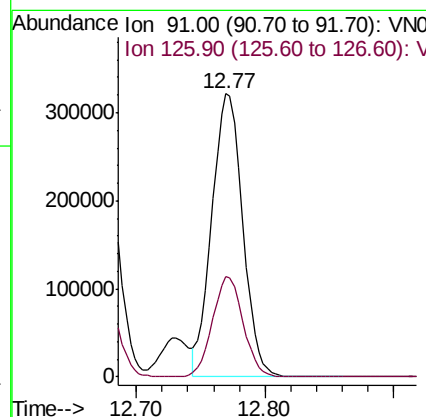
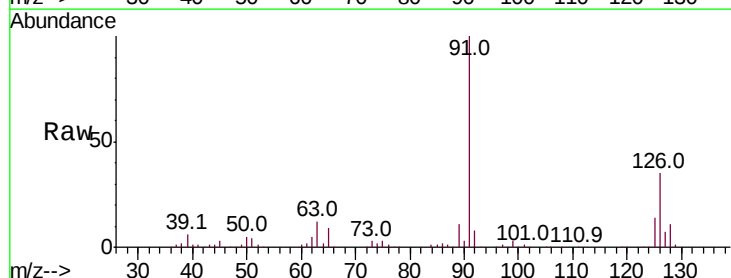
Manual Integrations
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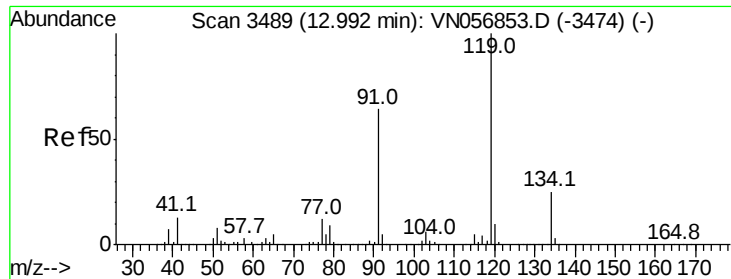
MMDadoda
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#82
4-Chlorotoluene
Concen: 51.167 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. -0.00 min
Lab File: VN056884.D
Acq: 23 Jul 2019 17:27

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.3	52.0





#83

tert-Butylbenzene

Concen: 57.092 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN056884.D

Acq: 23 Jul 2019 17:27

Instrument :

MSVOA_N

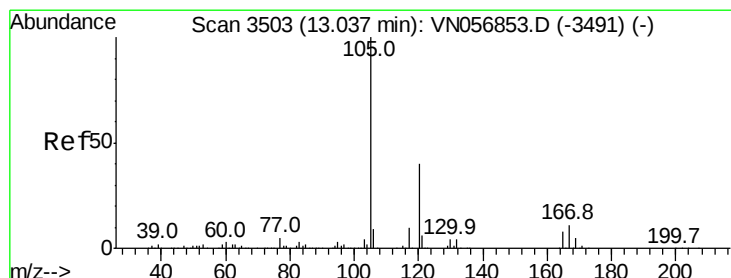
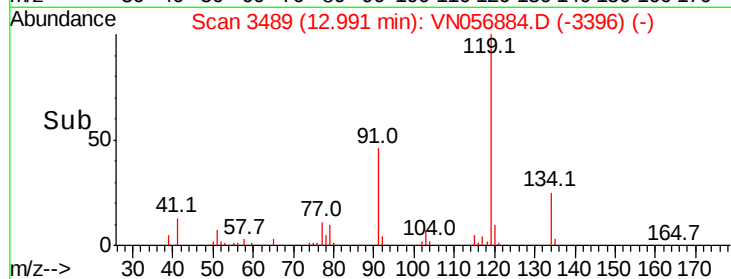
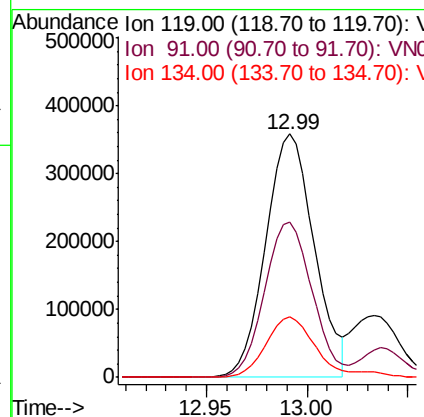
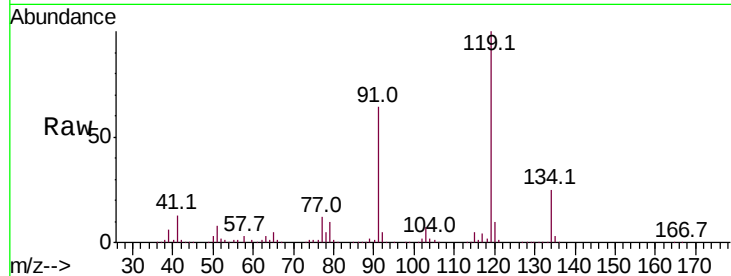
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	600144
Ion Ratio	Lower	Upper	
119	100		
91	63.0	31.5	94.5
134	26.3	12.2	36.6

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 52.344 ug/l

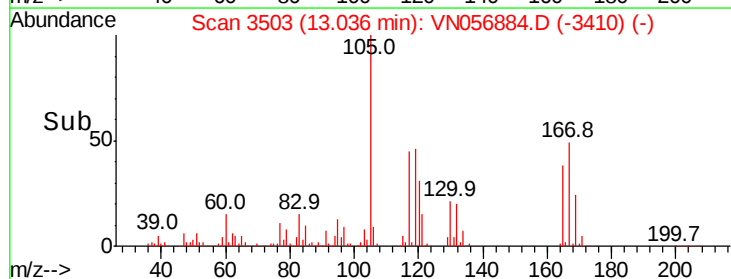
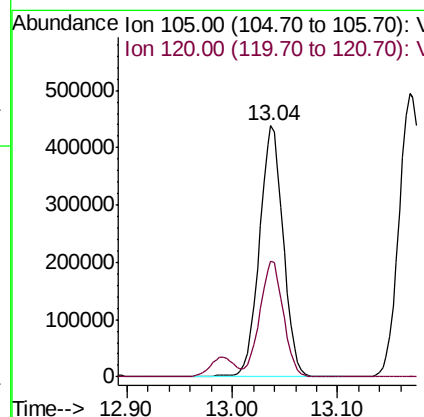
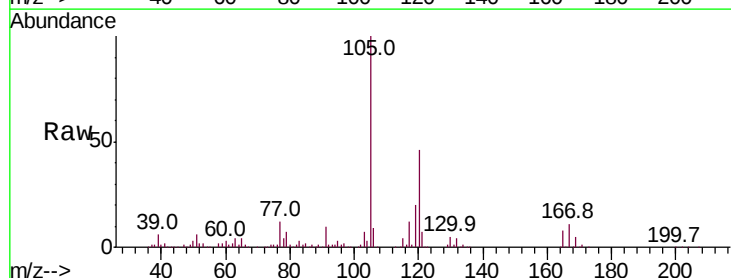
RT: 13.04 min Scan# 3503

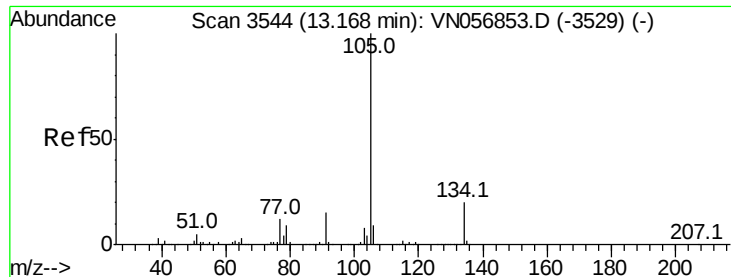
Delta R.T. -0.00 min

Lab File: VN056884.D

Acq: 23 Jul 2019 17:27

Tgt Ion:	105	Resp:	691032
Ion Ratio	Lower	Upper	
105	100		
120	46.0	23.2	69.5





#85

sec-Butylbenzene

Concen: 50.699 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN056884.D

Acq: 23 Jul 2019 17:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 786546

Ion Ratio Lower Upper

105 100

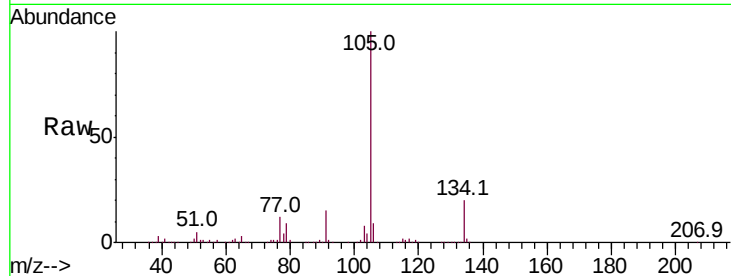
134 20.2 10.1 30.1

Manual Integrations

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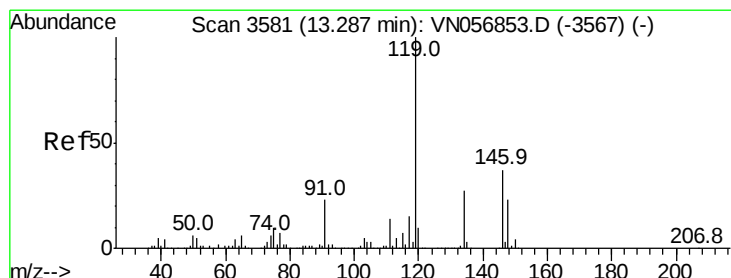
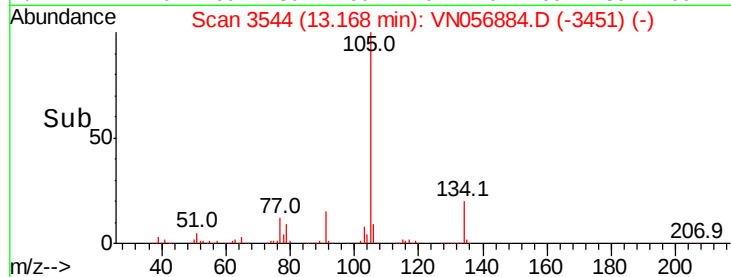
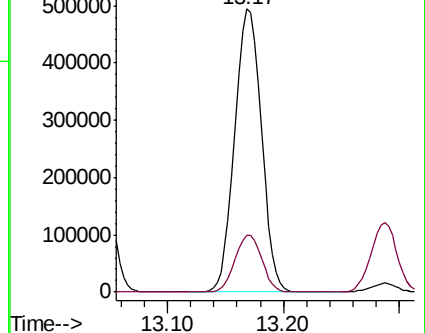
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.846 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN056884.D

Acq: 23 Jul 2019 17:27

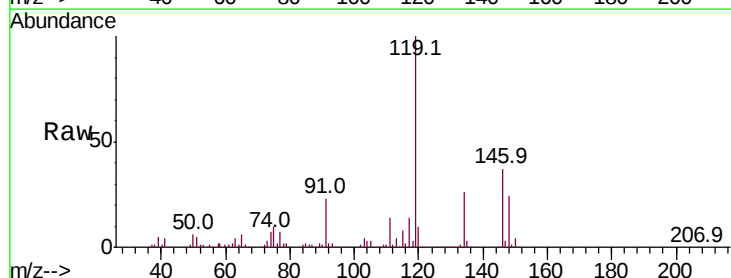
Tgt Ion:119 Resp: 716546

Ion Ratio Lower Upper

119 100

134 26.6 13.6 40.8

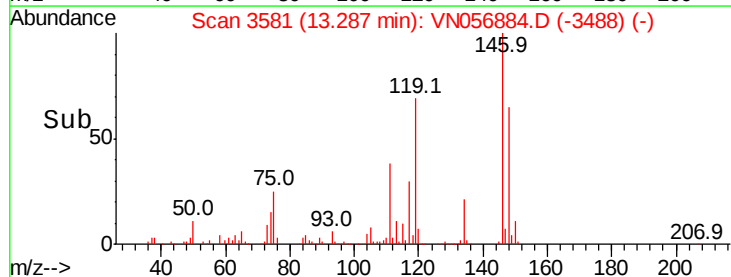
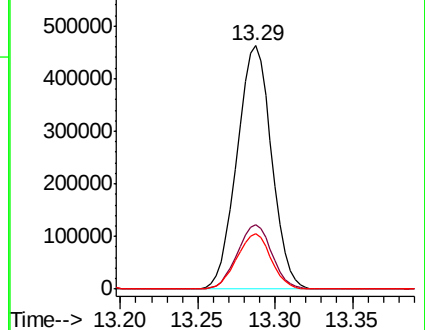
91 22.4 11.3 33.8

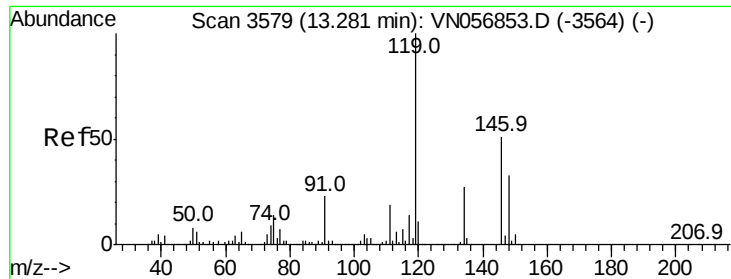


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





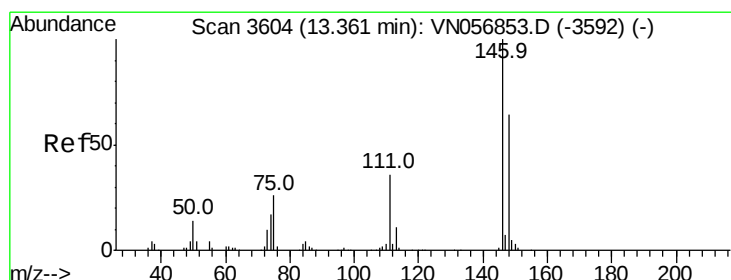
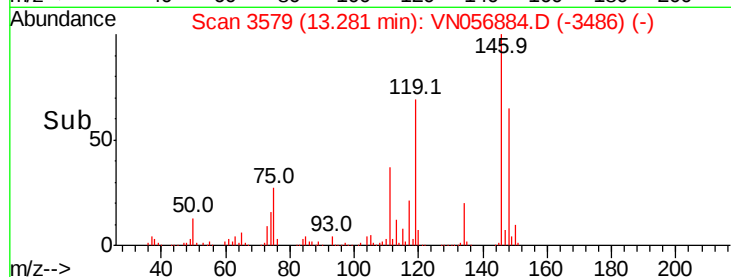
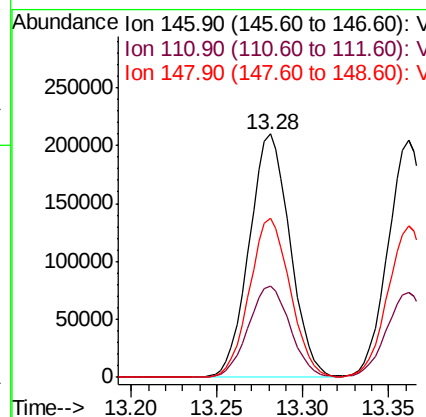
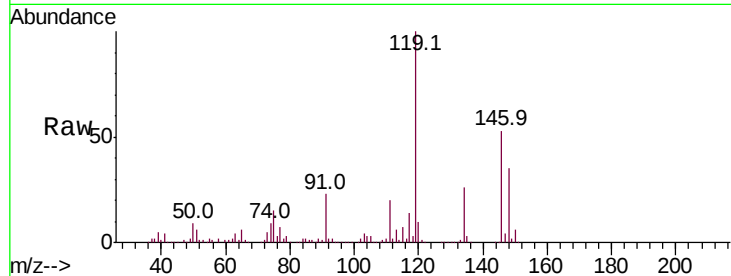
#87
 1,3-Dichlorobenzene
 Concen: 51.829 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN056884.D
 Acq: 23 Jul 2019 17:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.9	56.5
148	65.4	32.1	96.3

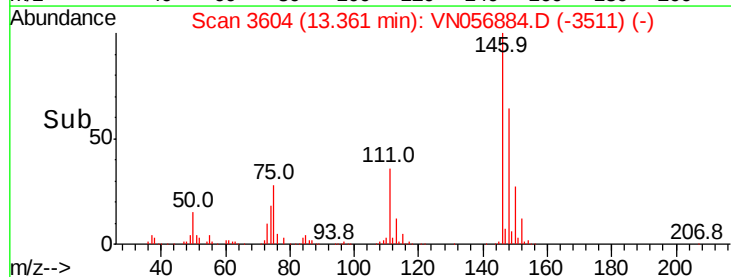
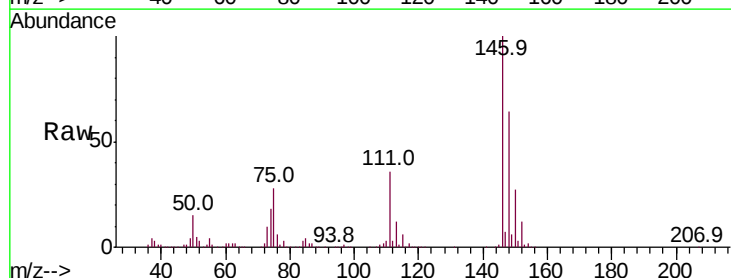
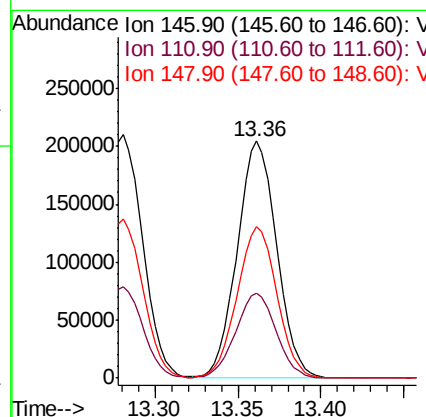
Manual Integrations
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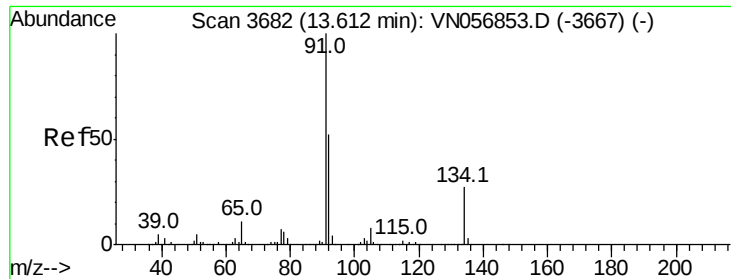
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 7/24/2019 1:14:12 PM



#88
 1,4-Dichlorobenzene
 Concen: 52.216 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN056884.D
 Acq: 23 Jul 2019 17:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.3	54.9
148	64.5	32.1	96.3





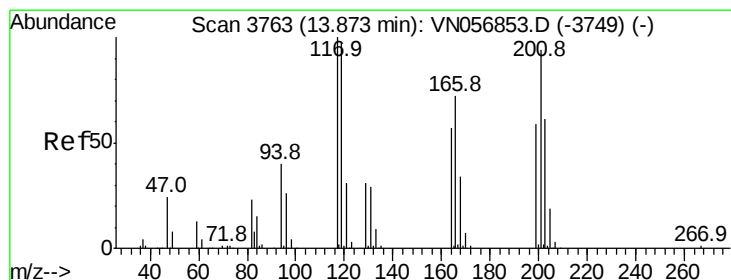
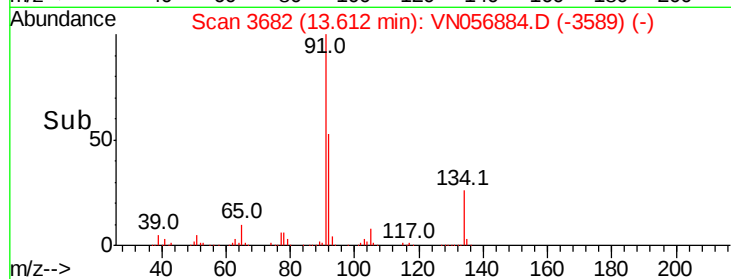
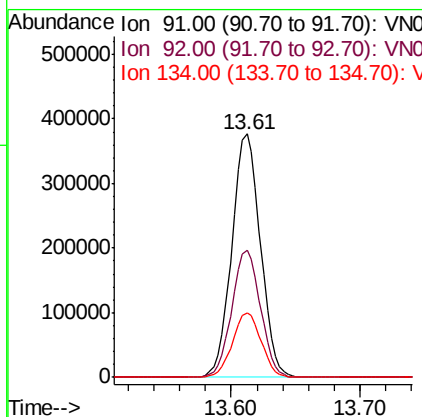
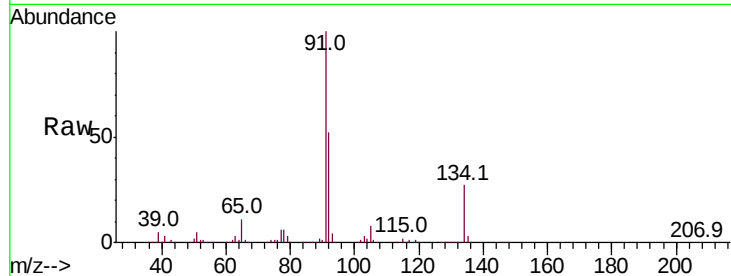
#89
n-Butylbenzene
Concen: 54.499 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN056884.D
Acq: 23 Jul 2019 17:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.0	78.0
134	26.6	13.3	39.9

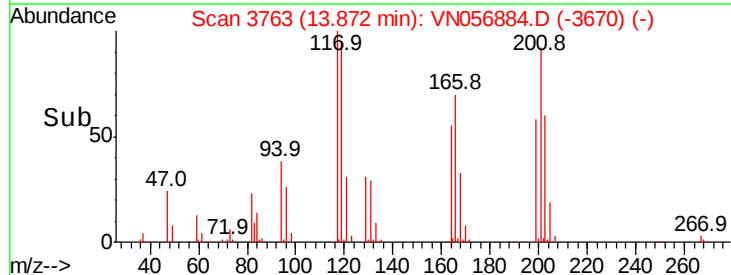
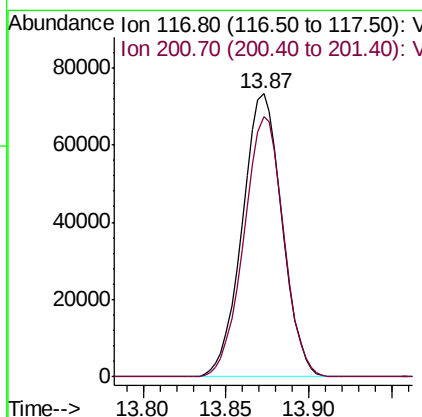
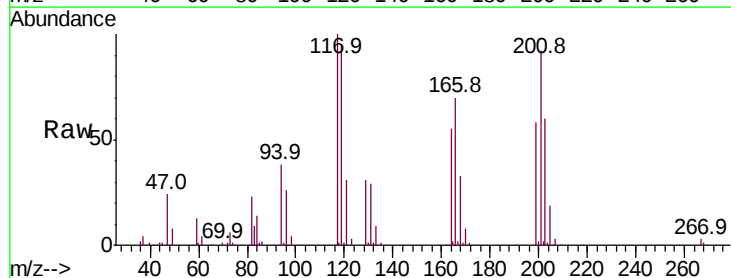
Manual Integrations
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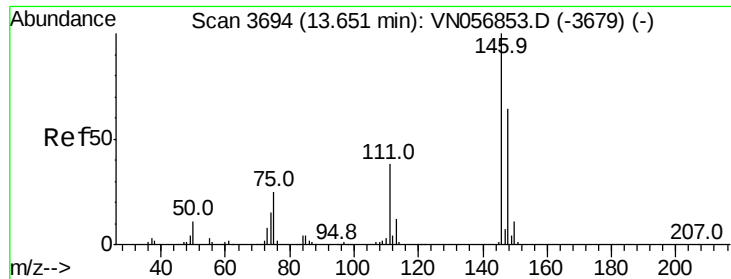
MMDadoda
7/24/2019 1:14:12 PM



#90
Hexachloroethane
Concen: 50.719 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN056884.D
Acq: 23 Jul 2019 17:27

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.7	47.1	141.3





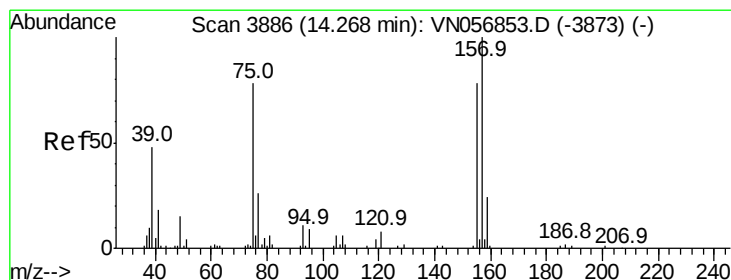
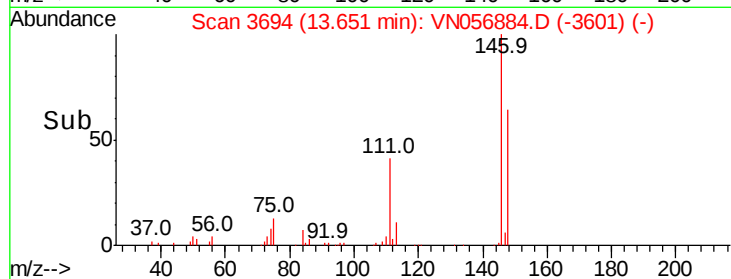
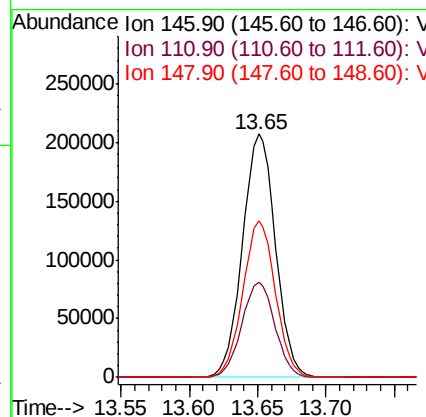
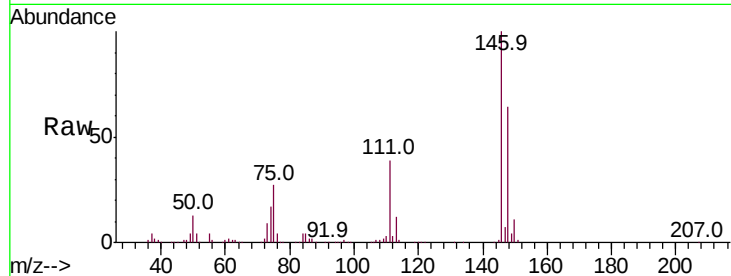
#91
 1,2-Dichlorobenzene
 Concen: 51.894 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN056884.D
 Acq: 23 Jul 2019 17:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.1	57.5
148	63.5	32.1	96.5

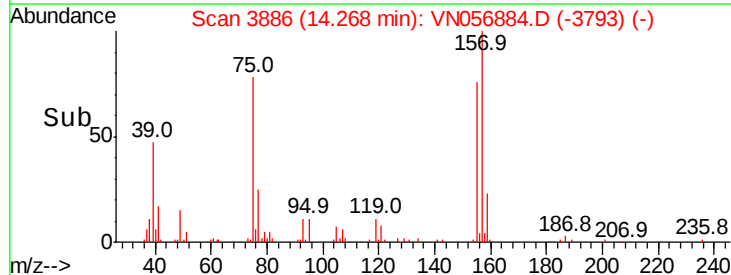
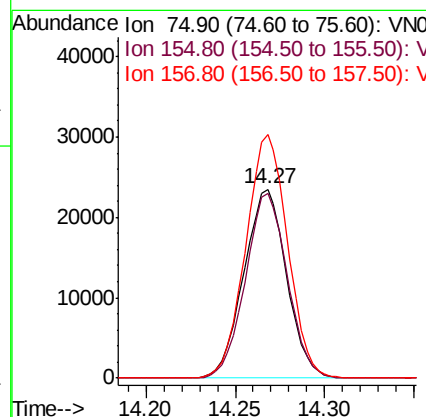
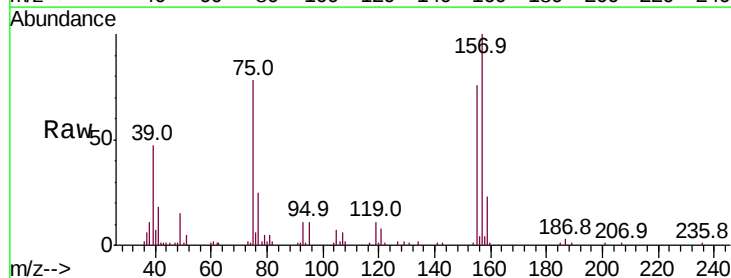
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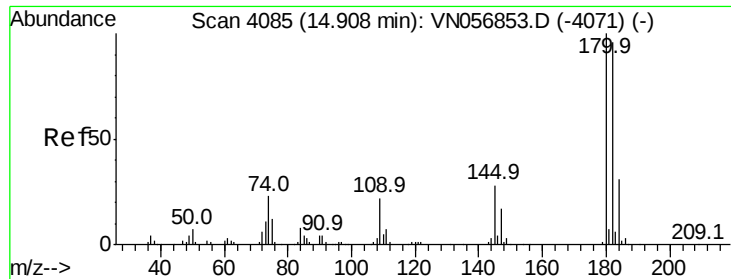
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.646 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN056884.D
 Acq: 23 Jul 2019 17:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.9	49.9	149.6
157	126.7	64.8	194.4





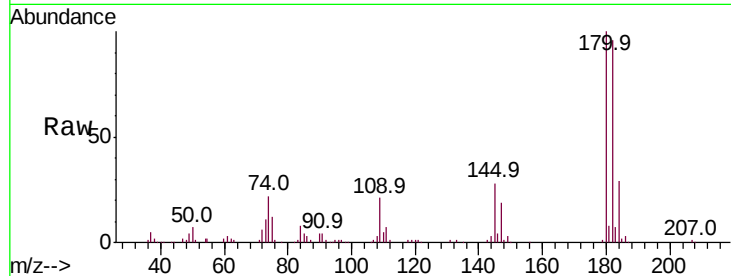
#93
 1,2,4-Trichlorobenzene
 Concen: 47.607 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056884.D
 Acq: 23 Jul 2019 17:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

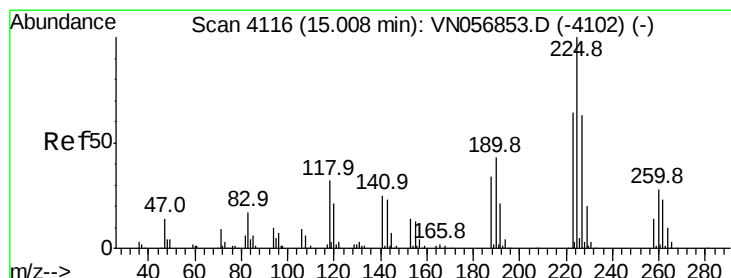
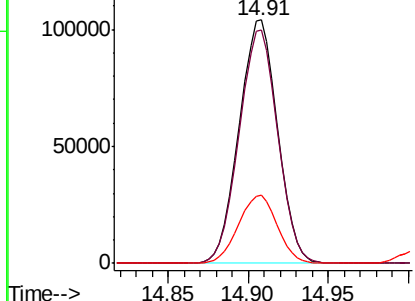
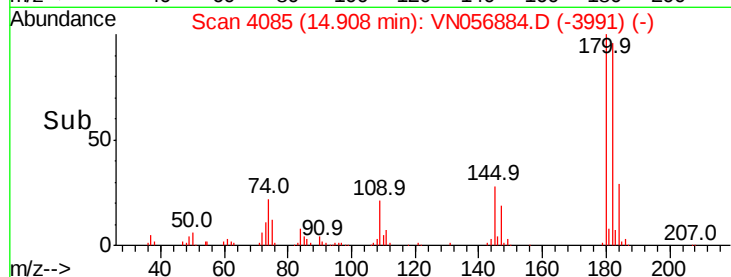
Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.1	47.9	143.7	
145	28.2	14.1	42.3	

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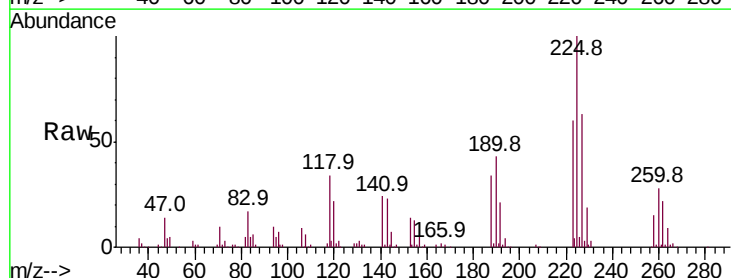


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

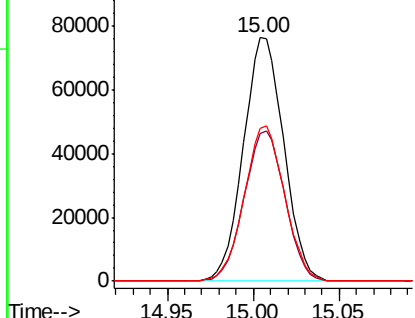
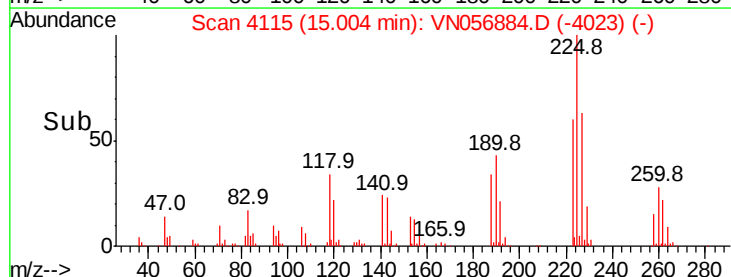


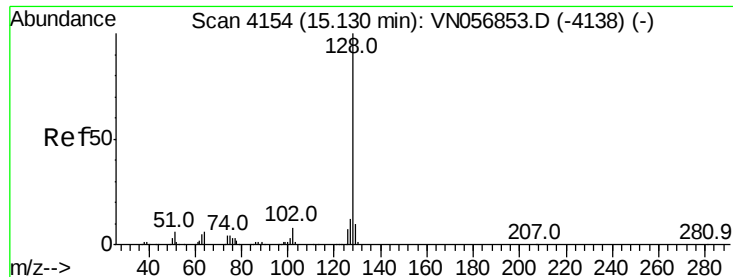
#94
 Hexachlorobutadiene
 Concen: 56.134 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. -0.00 min
 Lab File: VN056884.D
 Acq: 23 Jul 2019 17:27

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.0	31.9	95.5	
227	63.6	31.7	95.1	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





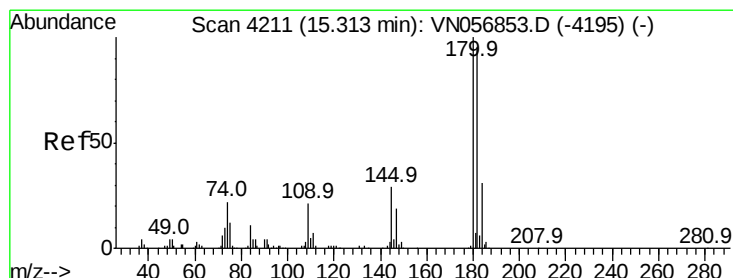
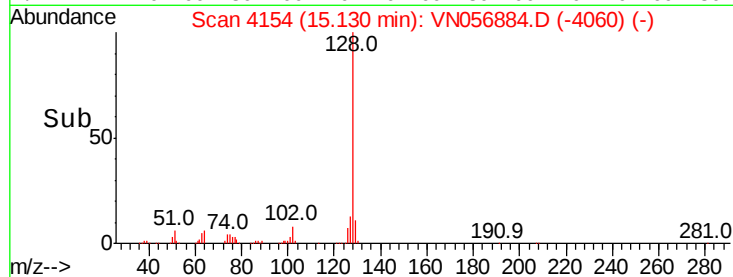
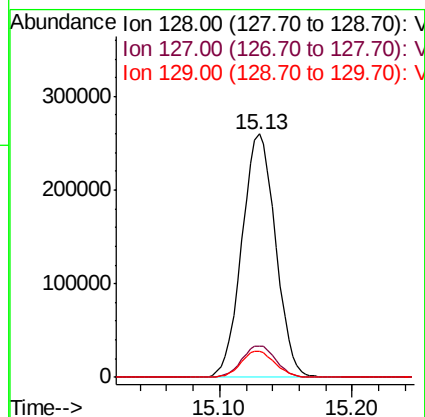
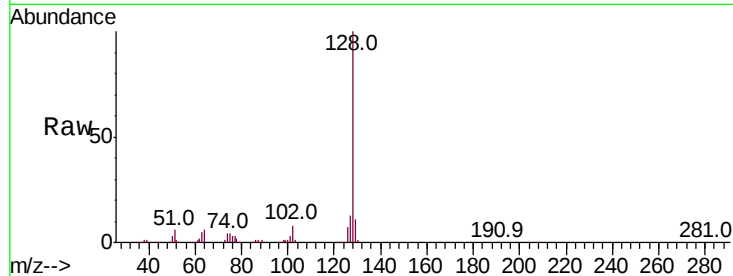
#95
Naphthalene
Concen: 49.404 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN056884.D
Acq: 23 Jul 2019 17:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	10.8	8.5	12.7

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#96
1,2,3-Trichlorobenzene
Concen: 50.190 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.00 min
Lab File: VN056884.D
Acq: 23 Jul 2019 17:27

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	48.1	144.3
145	29.8	14.7	44.1

