

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071219\
 Data File : VN056676.D
 Acq On : 11 Jul 2019 19:38
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/12/2019 5:33:04 PM

Quant Time: Jul 12 09:44:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 03:45:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	286256	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	442765	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	401489	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	188286	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	162567	51.24	ug/l	0.00
Spiked Amount			Recovery	=	102.48%	
35) Dibromofluoromethane	7.59	113	143097	51.81	ug/l	0.00
Spiked Amount			Recovery	=	103.62%	
50) Toluene-d8	10.09	98	532467	49.54	ug/l	0.00
Spiked Amount			Recovery	=	99.08%	
62) 4-Bromofluorobenzene	12.40	95	192366	53.69	ug/l	0.00
Spiked Amount			Recovery	=	107.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	104462	43.097	ug/l	99
3) Chloromethane	2.06	50	139404	42.239	ug/l	98
4) Vinyl Chloride	2.18	62	142947	44.844	ug/l	99
5) Bromomethane	2.53	94	81272m	43.490	ug/l	
6) Chloroethane	2.68	64	85412	46.269	ug/l	100
7) Trichlorofluoromethane	3.00	101	198954	48.250	ug/l	100
8) Diethyl Ether	3.41	74	85166	48.803	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	125908	47.882	ug/l	100
10) Methyl Iodide	3.95	142	155873	43.859	ug/l	98
11) Tert butyl alcohol	4.79	59	143197	267.985	ug/l	98
12) 1,1-Dichloroethene	3.73	96	117704	46.547	ug/l	99
13) Acrolein	3.60	56	81643	181.285	ug/l	99
14) Allyl chloride	4.32	41	216454	51.421	ug/l	98
15) Acrylonitrile	4.99	53	405563	274.350	ug/l	99
16) Acetone	3.82	43	323402	203.459	ug/l	99
17) Carbon Disulfide	4.05	76	219342	38.136	ug/l	100
18) Methyl Acetate	4.32	43	177129	57.018	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	440314	52.622	ug/l	100
20) Methylene Chloride	4.55	84	151585	50.599	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	126063	46.239	ug/l	96
22) Diisopropyl ether	5.95	45	485240	54.889	ug/l	97
23) Vinyl Acetate	5.89	43	1957570	280.749	ug/l	100
24) 1,1-Dichloroethane	5.85	63	263838	51.991	ug/l	99
25) 2-Butanone	6.84	43	540386	256.870	ug/l	99
26) 2,2-Dichloropropane	6.82	77	176527	50.015	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	164208	51.481	ug/l	99
28) Bromochloromethane	7.19	49	129753	51.693	ug/l	100
29) Tetrahydrofuran	7.21	42	366609	285.165	ug/l	98
30) Chloroform	7.37	83	267316	53.384	ug/l	98
31) Cyclohexane	7.65	56	212172	43.308	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	213522	53.795	ug/l	100
36) 1,1-Dichloropropene	7.79	75	182845	46.918	ug/l	99
37) Ethyl Acetate	6.93	43	213517	55.751	ug/l	99
38) Carbon Tetrachloride	7.77	117	175302	51.439	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	212243	44.137	ug/l	99
40) Benzene	8.04	78	591065	49.307	ug/l	99
41) Methacrylonitrile	7.17	41	94660	55.973	ug/l	94
42) 1,2-Dichloroethane	8.12	62	197994	50.047	ug/l	100
43) Isopropyl Acetate	8.16	43	336192	56.928	ug/l	99
44) Trichloroethene	8.83	130	159075	49.262	ug/l	98
45) 1,2-Dichloropropane	9.12	63	168639	52.603	ug/l	99
46) Dibromomethane	9.21	93	104359	52.030	ug/l	99
47) Bromodichloromethane	9.40	83	200432	56.344	ug/l	98
48) Methyl methacrylate	9.20	41	168349	56.886	ug/l	96
49) 1,4-Dioxane	9.20	88	72521	1180.857	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1115030	292.531	ug/l	100
52) Toluene	10.15	92	364907	49.790	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	211916	51.081	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	236667	55.247	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	161063	54.673	ug/l	99
56) Ethyl methacrylate	10.43	69	247502	57.489	ug/l	99
57) 1,3-Dichloropropane	10.71	76	267954	54.143	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	576876	372.981	ug/l	99
59) 2-Hexanone	10.75	43	805755	287.622	ug/l	99
60) Dibromochloromethane	10.90	129	163072	53.671	ug/l	100
61) 1,2-Dibromoethane	11.00	107	161696	53.741	ug/l	98
64) Tetrachloroethene	10.63	164	153419	48.253	ug/l	99
65) Chlorobenzene	11.43	112	404747	50.171	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	154179	56.547	ug/l	100
67) Ethyl Benzene	11.51	91	708612	50.025	ug/l	99
68) m/p-Xylenes	11.62	106	533091	102.691	ug/l	99
69) o-Xylene	11.95	106	261765	50.968	ug/l	100
70) Styrene	11.96	104	453156	55.201	ug/l	100
71) Bromoform	12.13	173	121093	54.734	ug/l #	99
73) Isopropylbenzene	12.25	105	701792	49.603	ug/l	100
74) N-amyl acetate	12.07	43	285347	47.618	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	238016	54.650	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	209458m	53.650	ug/l	
77) Bromobenzene	12.53	156	187301	44.489	ug/l	96
78) n-propylbenzene	12.59	91	783998	45.469	ug/l	100
79) 2-Chlorotoluene	12.67	91	476579	50.428	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	598237	50.509	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	64966	59.142	ug/l	92
82) 4-Chlorotoluene	12.77	91	471504	46.314	ug/l	100
83) tert-Butylbenzene	12.99	119	512941	49.659	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	598110	47.187	ug/l	100
85) sec-Butylbenzene	13.17	105	678199	44.751	ug/l	100
86) p-Isopropyltoluene	13.29	119	620991	47.746	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	316176	49.556	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	303849	49.174	ug/l	100
89) n-Butylbenzene	13.61	91	508645	51.660	ug/l	100
90) Hexachloroethane	13.87	117	97111	47.892	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	321663	50.815	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	40977	58.817	ug/l	97

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QLast Update : Fri Jun 21 03:45:40 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	168335	50.946	ug/l	99
94) Hexachlorobutadiene	15.01	225	107173	49.958	ug/l	98
95) Naphthalene	15.13	128	449919	51.990	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	171982	50.319	ug/l	99

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

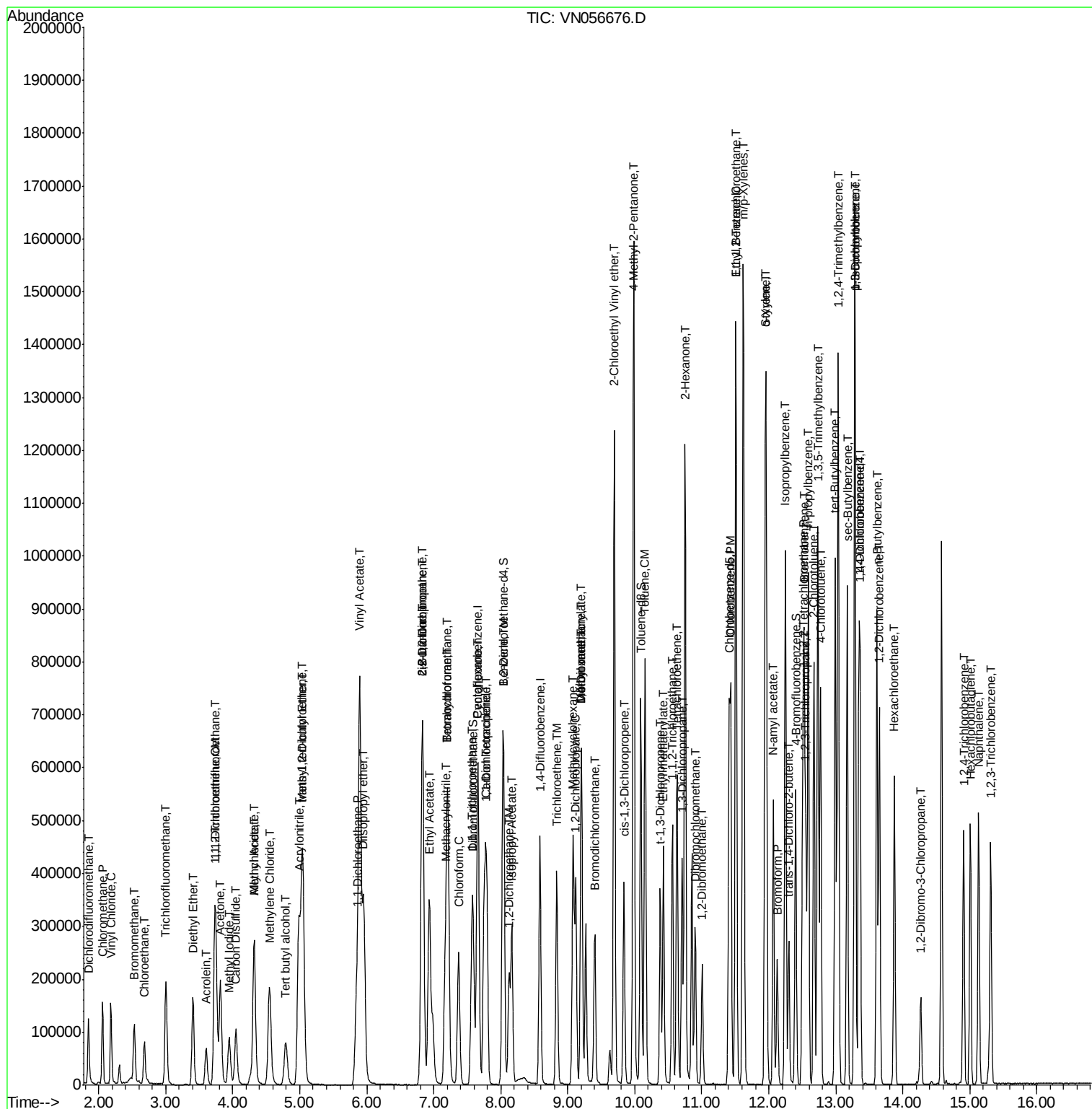
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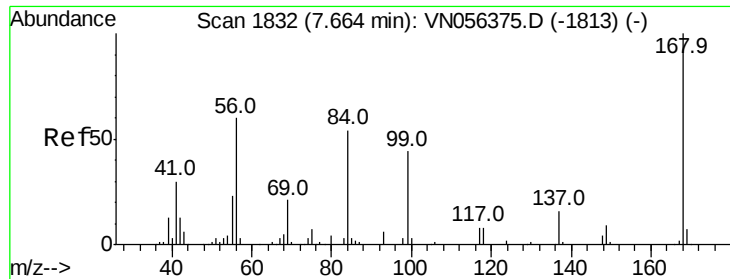
Instrument :
 MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056676.D

Acq: 11 Jul 2019 19:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 286256

Ion Ratio Lower Upper

168 100

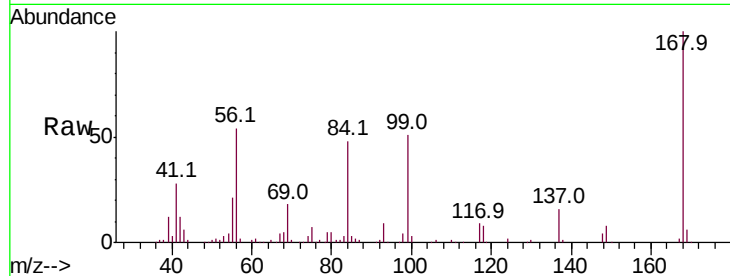
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Manual Integrations

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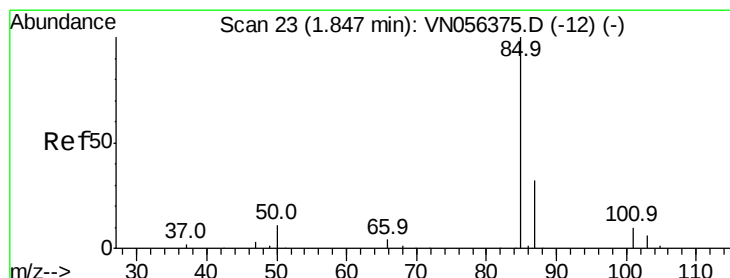
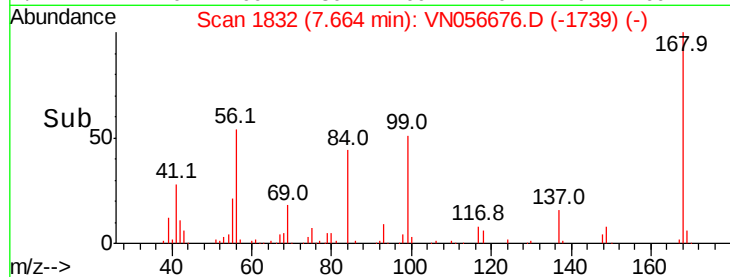
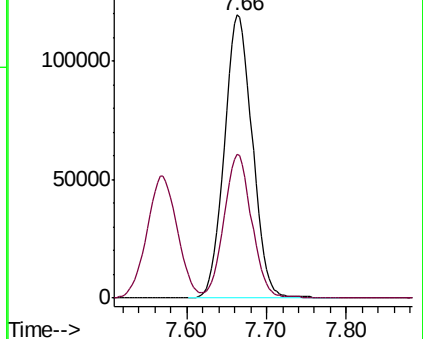
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 43.097 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056676.D

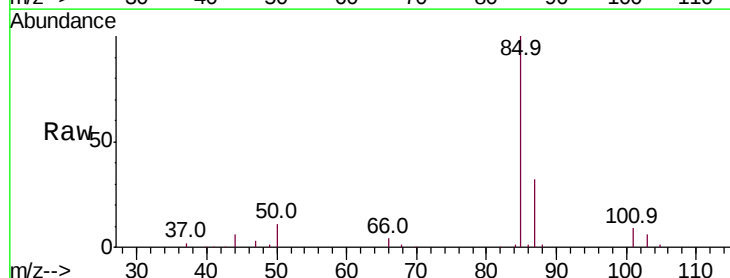
Acq: 11 Jul 2019 19:38

Tgt Ion: 85 Resp: 104462

Ion Ratio Lower Upper

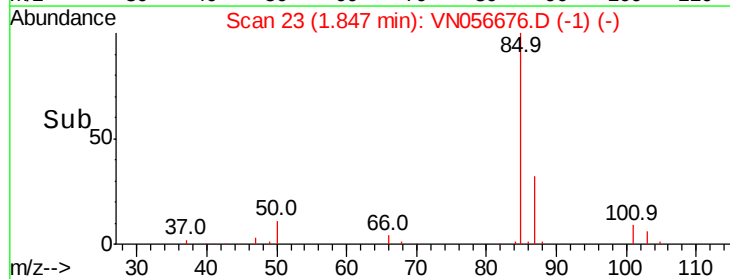
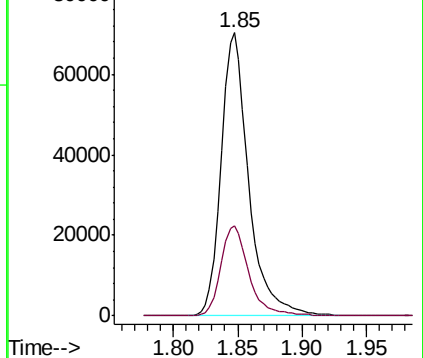
85 100

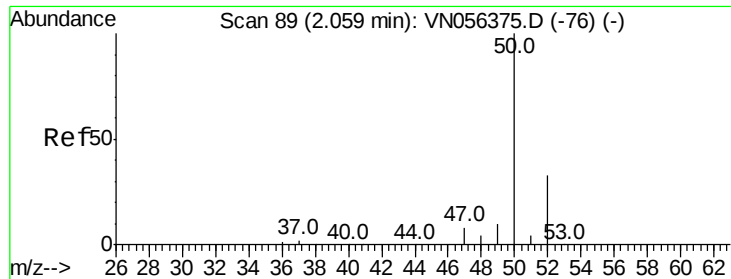
87 31.8 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





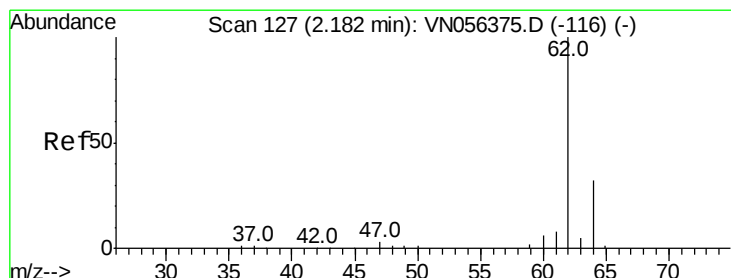
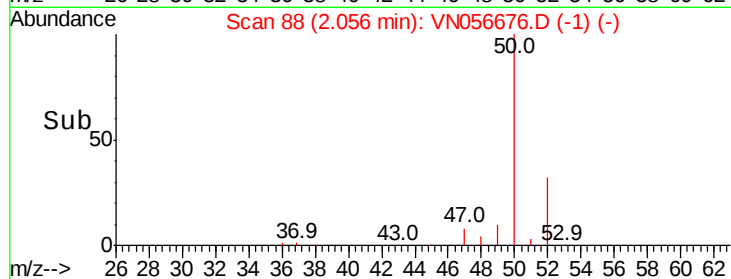
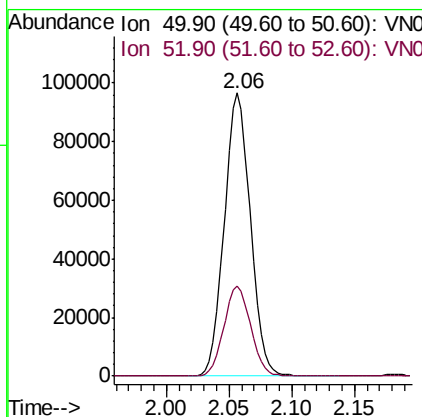
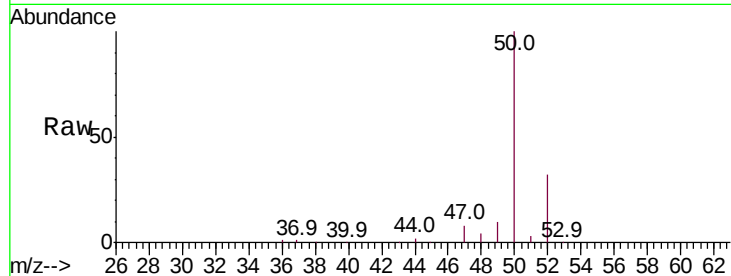
#3
Chloromethane
Concen: 42.239 ug/l
RT: 2.06 min Scan# 88
Delta R.T. -0.00 min
Lab File: VN056676.D
Acq: 11 Jul 2019 19:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 50 Resp: 139404
Ion Ratio Lower Upper
50 100
52 31.9 26.5 39.7

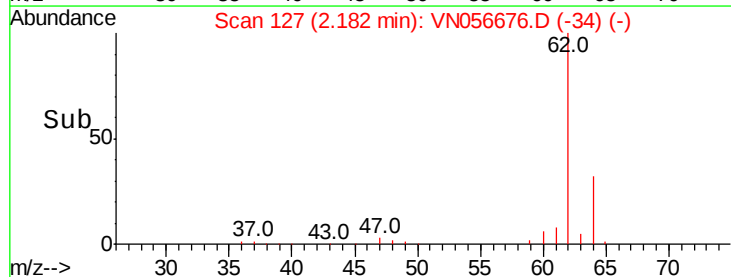
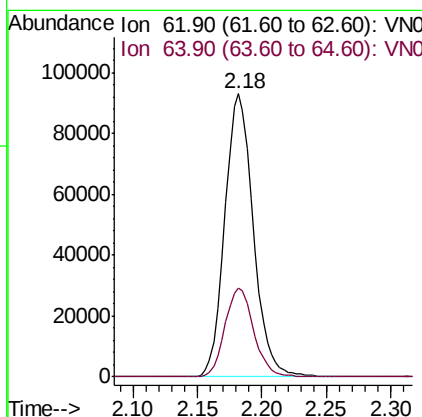
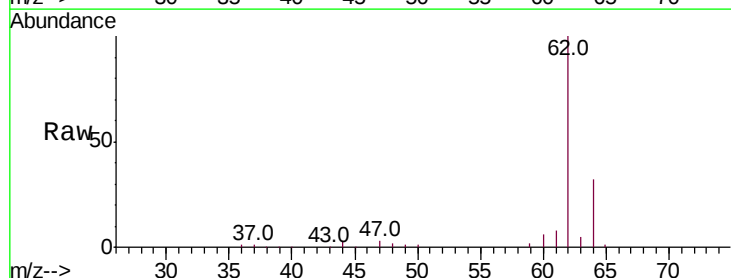
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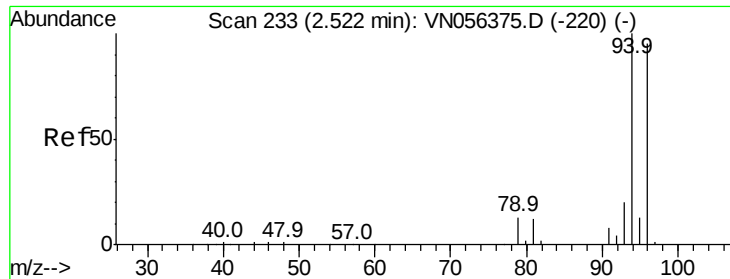
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#4
Vinyl Chloride
Concen: 44.844 ug/l
RT: 2.18 min Scan# 127
Delta R.T. 0.00 min
Lab File: VN056676.D
Acq: 11 Jul 2019 19:38

Tgt Ion: 62 Resp: 142947
Ion Ratio Lower Upper
62 100
64 31.5 25.7 38.5





#5

Bromomethane

Concen: 43.490 ug/l m

RT: 2.53 min Scan# 235

Delta R.T. 0.01 min

Lab File: VN056676.D

Acq: 11 Jul 2019 19:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 81272

Ion Ratio Lower Upper

94 100

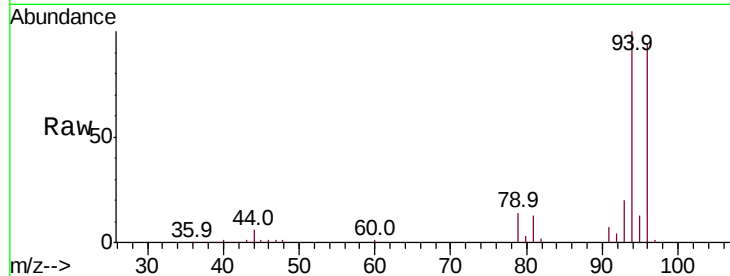
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Manual Integrations

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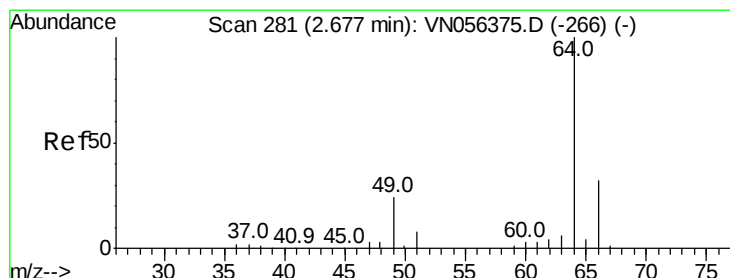
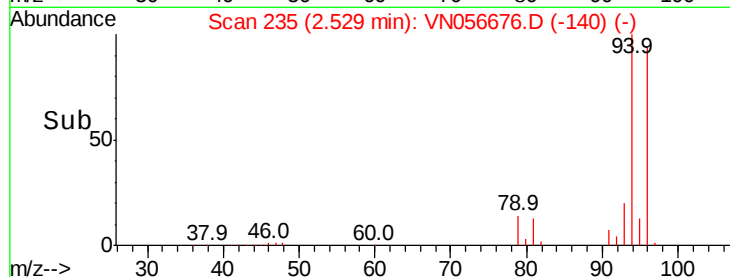
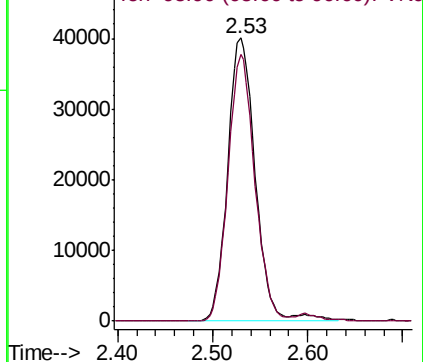
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 46.269 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.01 min

Lab File: VN056676.D

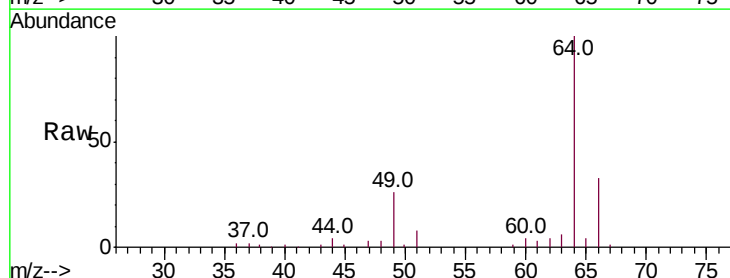
Acq: 11 Jul 2019 19:38

Tgt Ion: 64 Resp: 85412

Ion Ratio Lower Upper

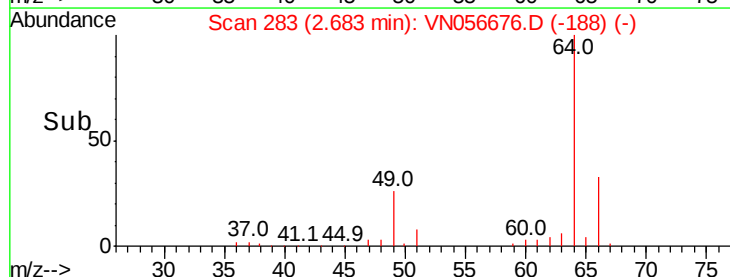
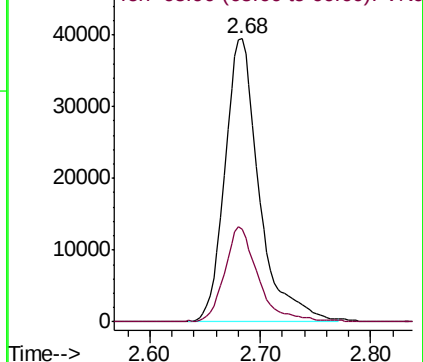
64 100

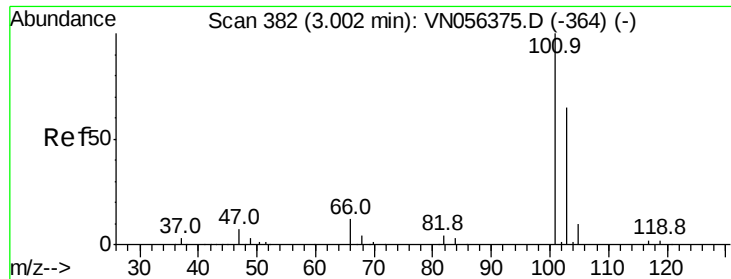
66 32.4 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

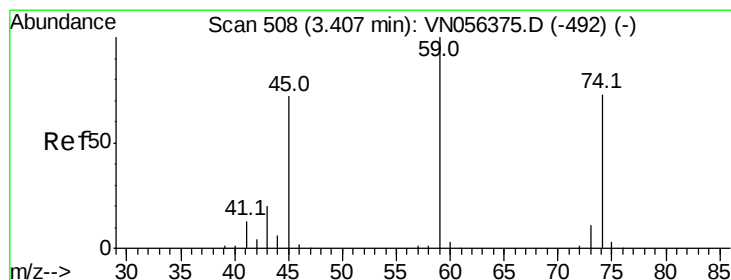
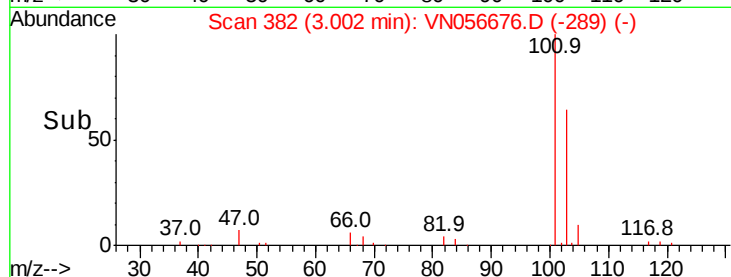
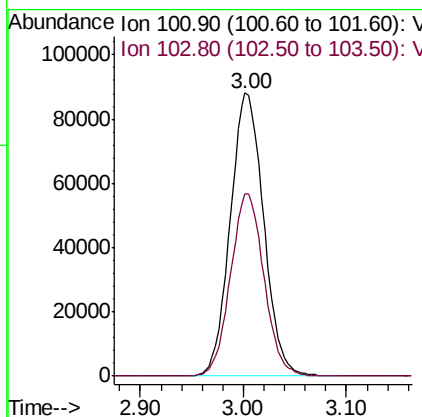
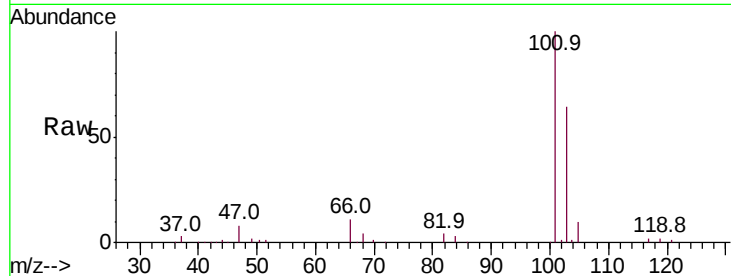
Trichlorofluoromethane
Concen: 48.250 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN056676.D
Acq: 11 Jul 2019 19:38

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	51.7	77.5

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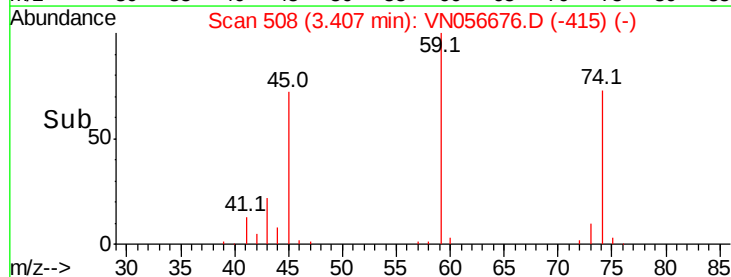
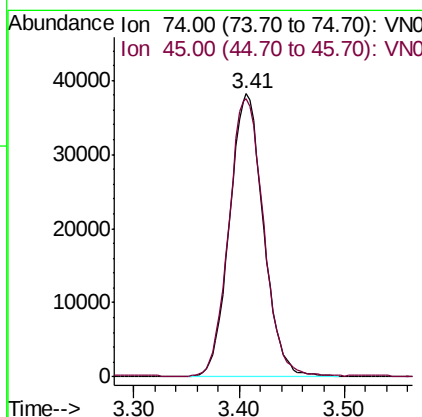
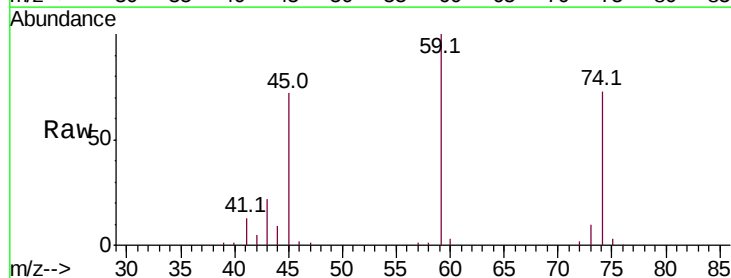
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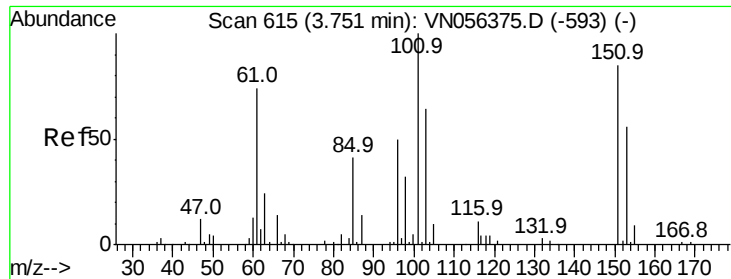


#8

Diethyl Ether
Concen: 48.803 ug/l
RT: 3.41 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN056676.D
Acq: 11 Jul 2019 19:38

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.1	48.9	146.6





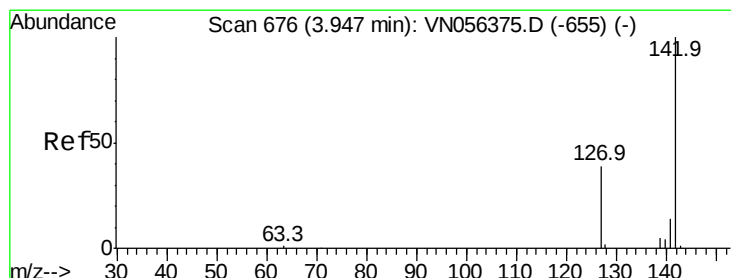
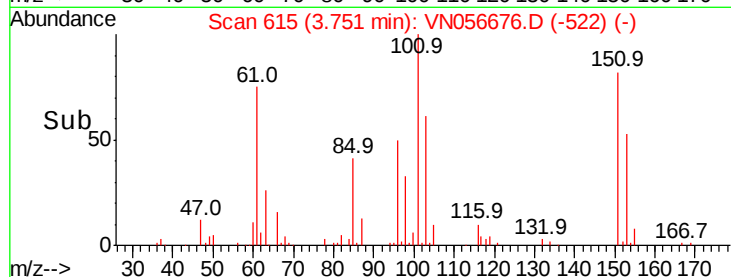
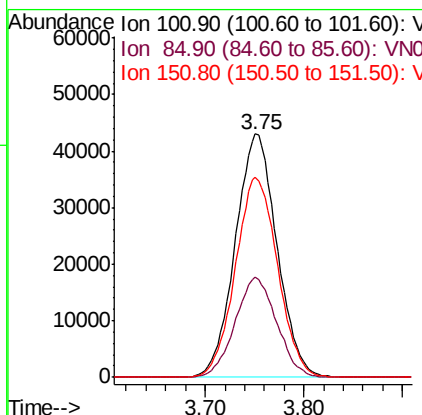
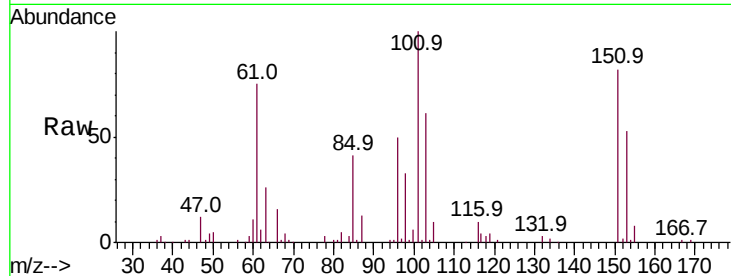
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 47.882 ug/l
 RT: 3.75 min Scan# 615
 Delta R.T. 0.00 min
 Lab File: VN056676.D
 Acq: 11 Jul 2019 19:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
101	100	125908		
85	40.9		32.7	49.1
151	83.3		66.8	100.2

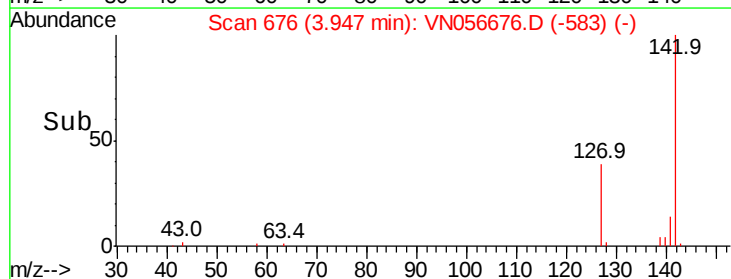
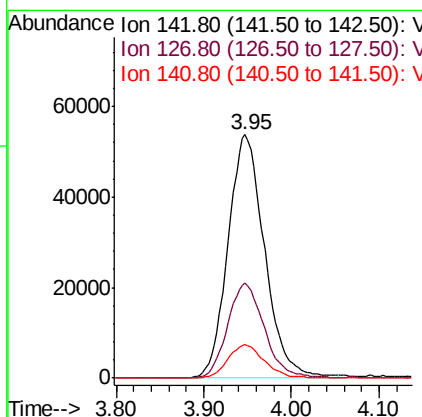
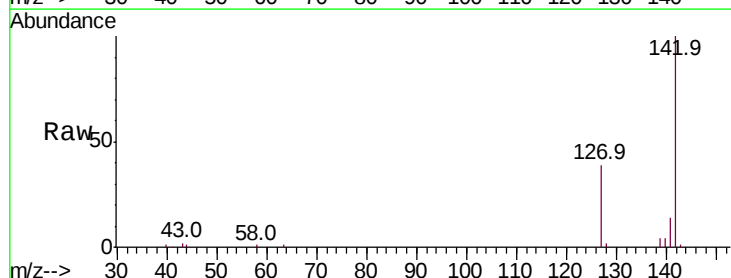
Manual Integrations
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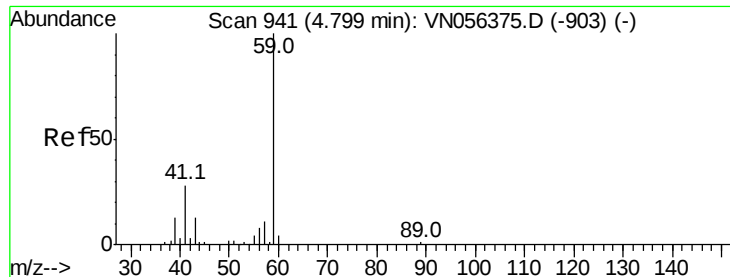
MMDadoda
 7/12/2019 5:33:04 PM



#10
 Methyl Iodide
 Concen: 43.859 ug/l
 RT: 3.95 min Scan# 676
 Delta R.T. 0.00 min
 Lab File: VN056676.D
 Acq: 11 Jul 2019 19:38

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	155873		
127	39.3		30.6	46.0
141	13.8		11.4	17.2





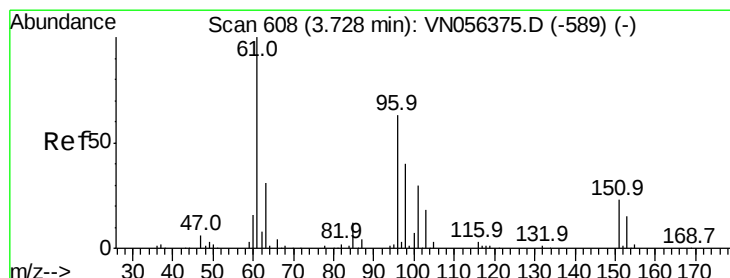
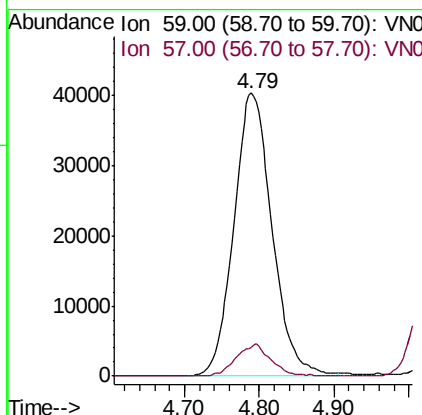
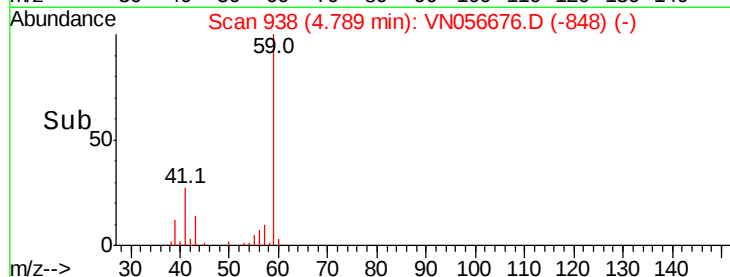
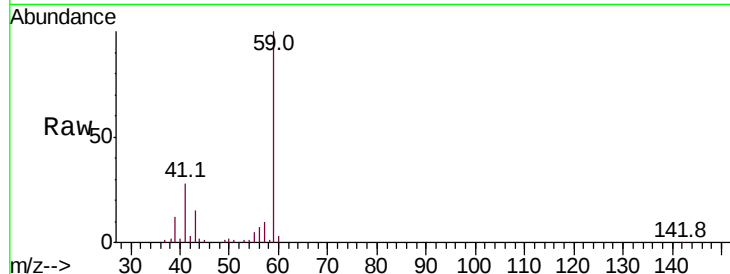
#11
Tert butyl alcohol
Concen: 267.985 ug/l
RT: 4.79 min Scan# 938
Delta R.T. -0.01 min
Lab File: VN056676.D
Acq: 11 Jul 2019 19:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 143197
Ion Ratio Lower Upper
59 100
57 10.2 7.6 11.4

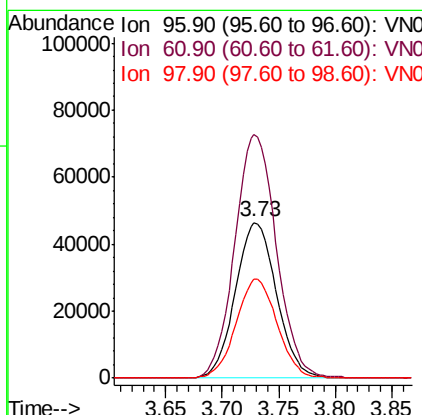
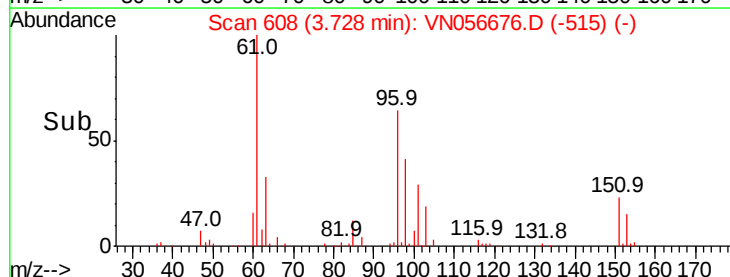
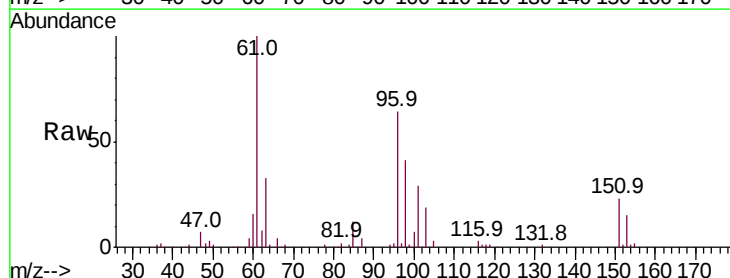
Manual Integrations
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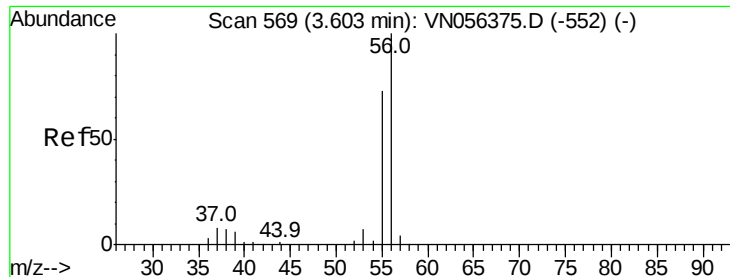
MMDadoda
7/12/2019 5:33:04 PM



#12
1,1-Dichloroethene
Concen: 46.547 ug/l
RT: 3.73 min Scan# 608
Delta R.T. 0.00 min
Lab File: VN056676.D
Acq: 11 Jul 2019 19:38

Tgt Ion: 96 Resp: 117704
Ion Ratio Lower Upper
96 100
61 156.3 126.6 190.0
98 63.5 51.1 76.7





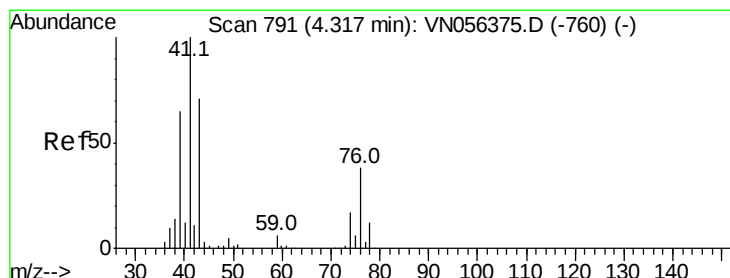
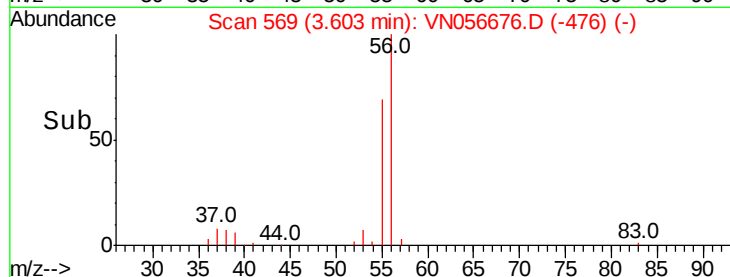
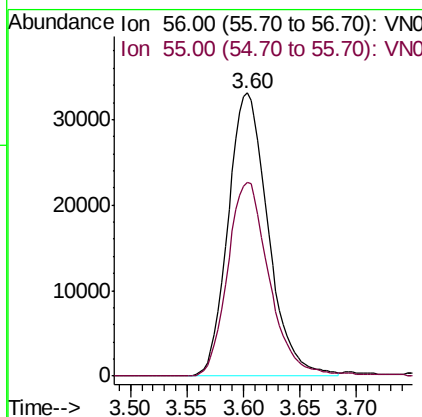
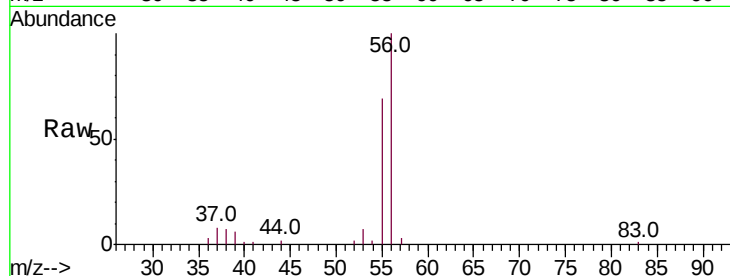
#13
Acrolein
Concen: 181.285 ug/l
RT: 3.60 min Scan# 569
Delta R.T. 0.00 min
Lab File: VN056676.D
Acq: 11 Jul 2019 19:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	81643
Ion Ratio	Lower	Upper	
56	100		
55	70.6	57.1	85.7

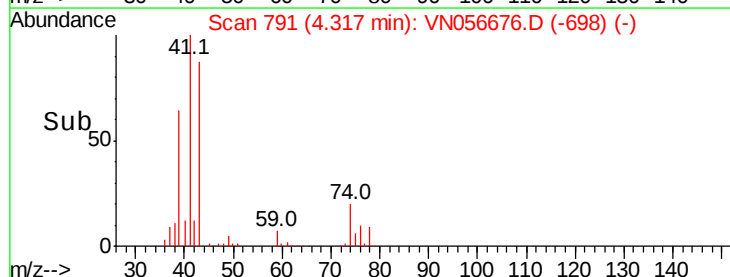
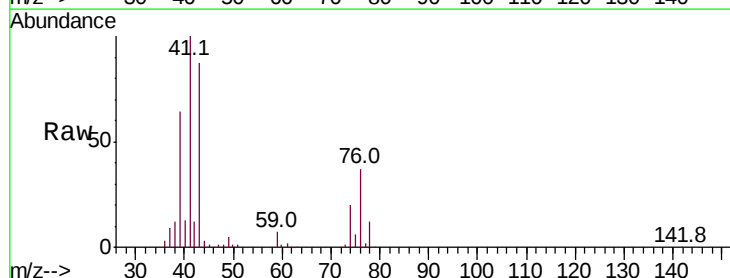
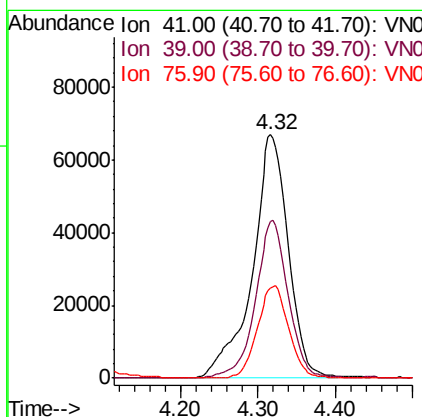
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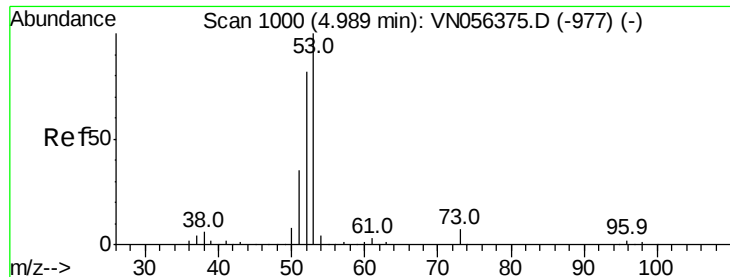
MMDadoda
7/12/2019 5:33:04 PM



#14
Allyl chloride
Concen: 51.421 ug/l
RT: 4.32 min Scan# 791
Delta R.T. 0.00 min
Lab File: VN056676.D
Acq: 11 Jul 2019 19:38

Tgt Ion	41	Resp	216454
Ion Ratio	Lower	Upper	
41	100		
39	58.9	48.6	73.0
76	33.0	26.6	40.0





#15

Acrylonitrile

Concen: 274.350 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN056676.D

Acq: 11 Jul 2019 19:38

Instrument :

MSVOA_N

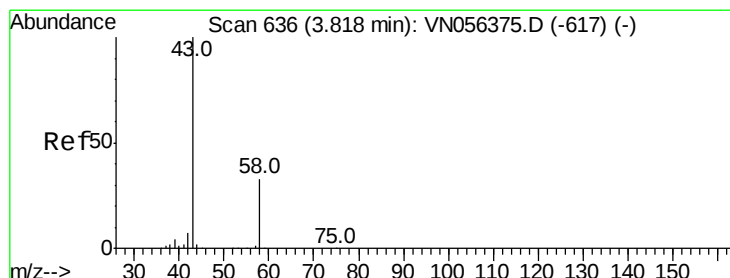
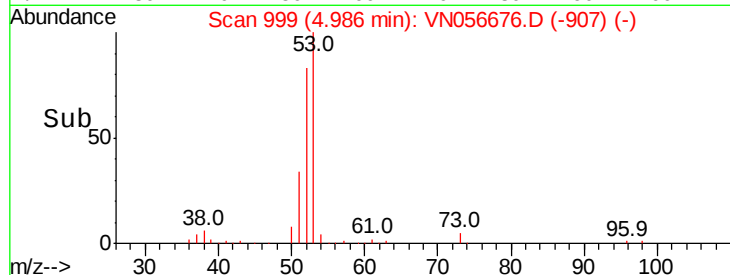
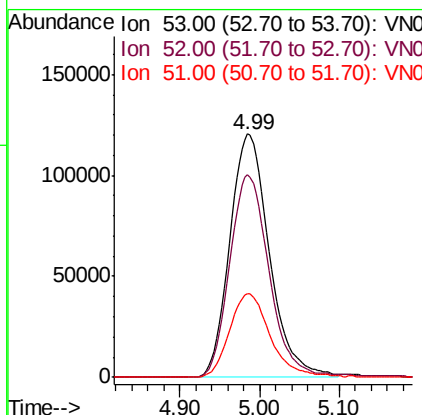
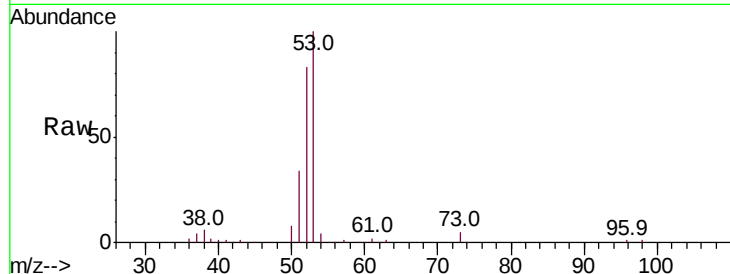
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	405563
Ion Ratio		Lower	Upper
53	100		
52	83.6	65.9	98.9
51	35.4	28.3	42.5

Manual Integrations
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#16

Acetone

Concen: 203.459 ug/l

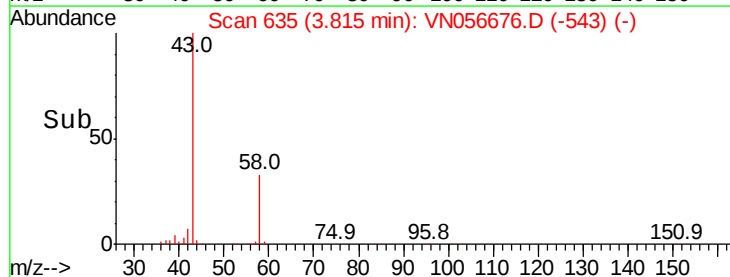
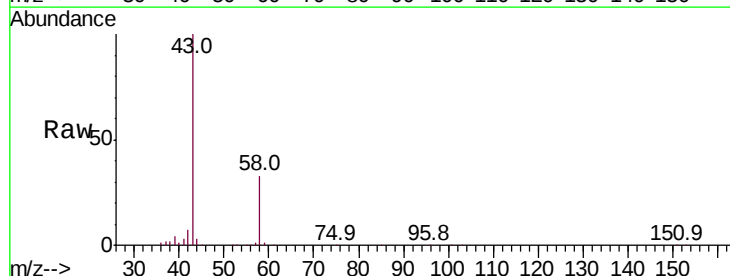
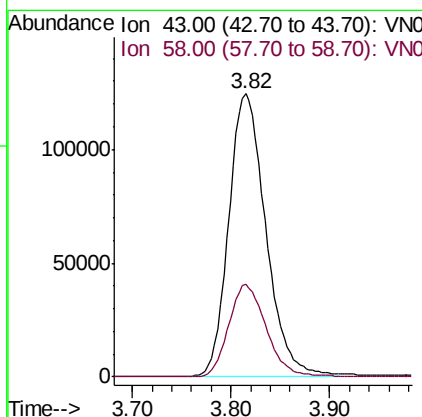
RT: 3.82 min Scan# 635

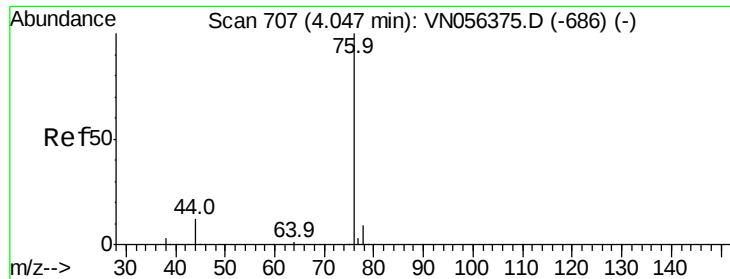
Delta R.T. -0.00 min

Lab File: VN056676.D

Acq: 11 Jul 2019 19:38

Tgt Ion:	43	Resp:	323402
Ion Ratio		Lower	Upper
43	100		
58	32.6	26.4	39.6





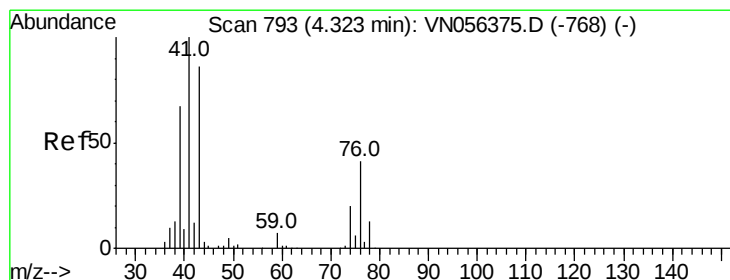
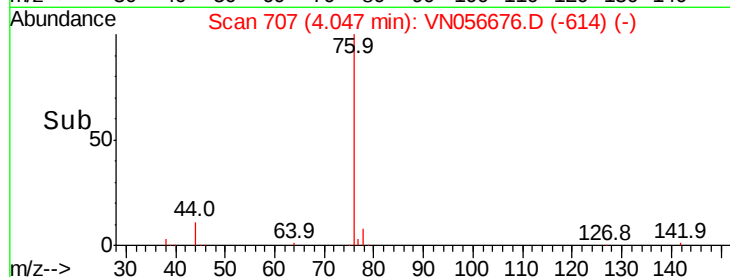
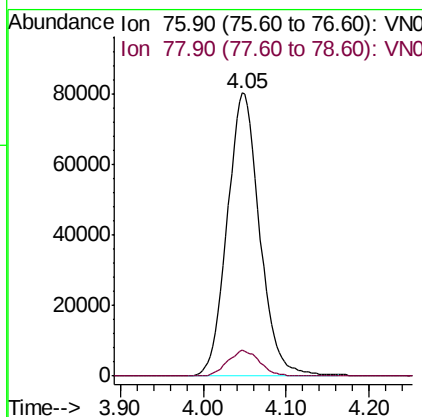
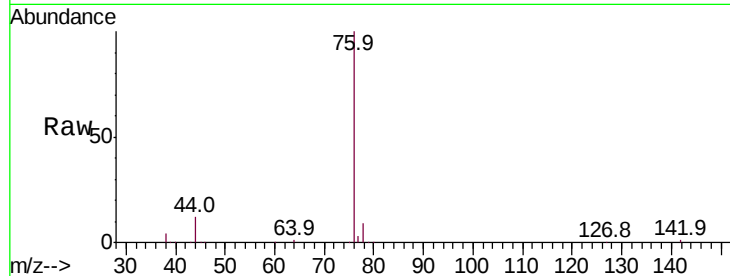
#17
Carbon Disulfide
Concen: 38.136 ug/l
RT: 4.05 min Scan# 707
Delta R.T. 0.00 min
Lab File: VN056676.D
Acq: 11 Jul 2019 19:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 219342
Ion Ratio Lower Upper
76 100
78 9.0 7.1 10.7

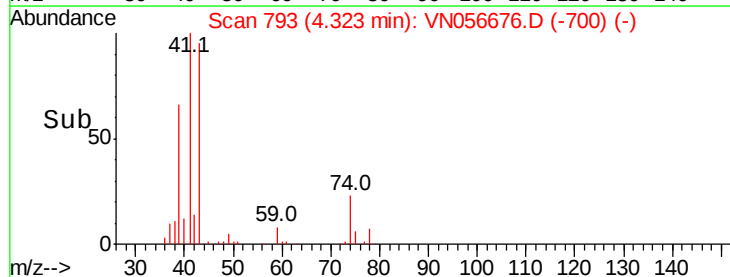
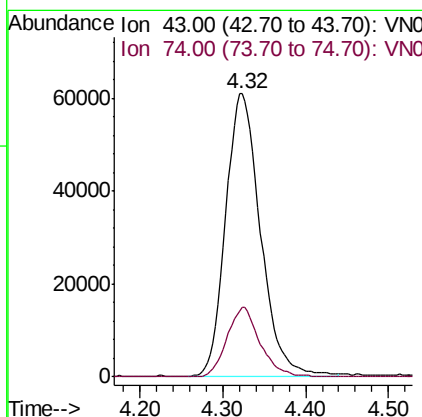
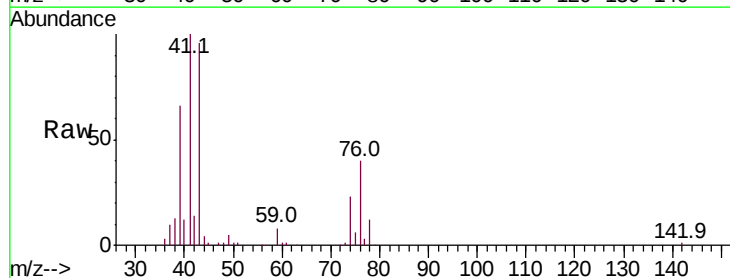
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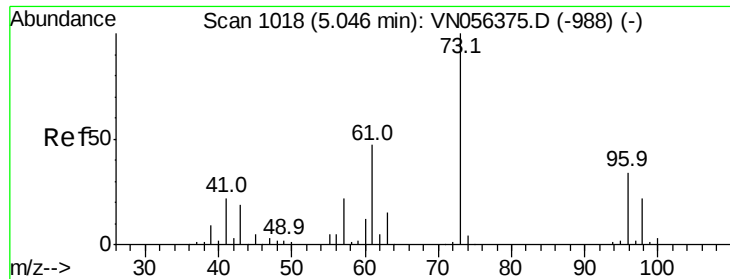
MMDadoda
7/12/2019 5:33:04 PM



#18
Methyl Acetate
Concen: 57.018 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN056676.D
Acq: 11 Jul 2019 19:38

Tgt Ion: 43 Resp: 177129
Ion Ratio Lower Upper
43 100
74 23.7 19.2 28.8





#19

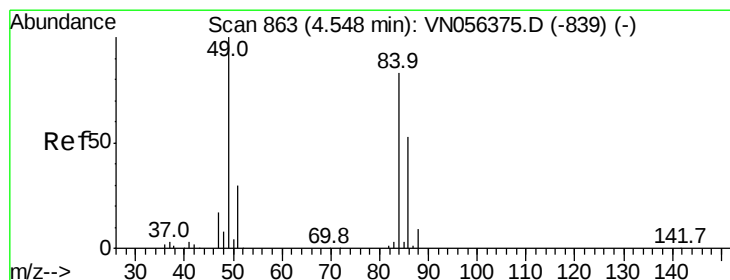
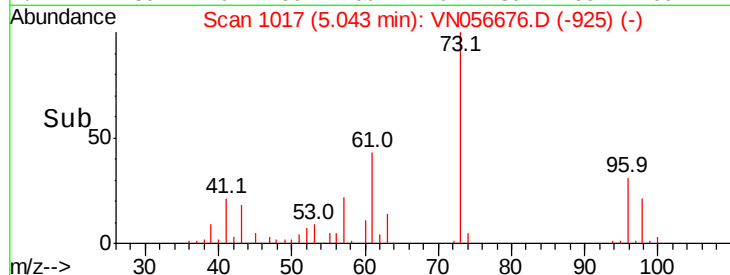
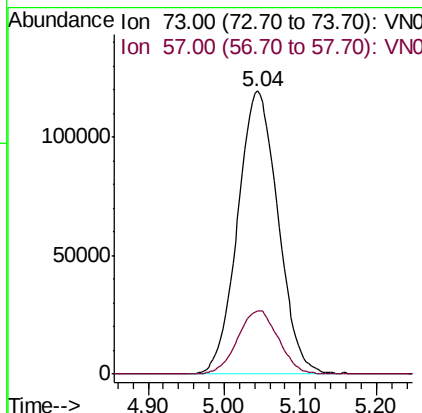
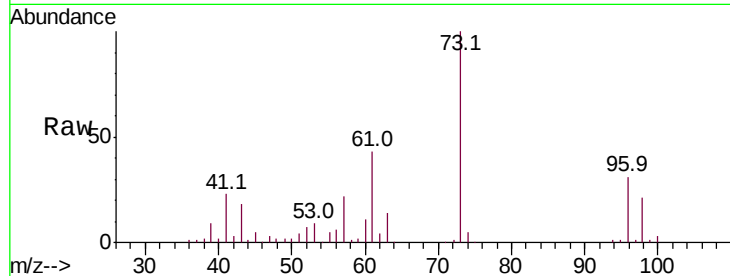
Methyl tert-butyl Ether
 Concen: 52.622 ug/l
 RT: 5.04 min Scan# 1017
 Delta R.T. -0.00 min
 Lab File: VN056676.D
 Acq: 11 Jul 2019 19:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 73 Resp: 440314
 Ion Ratio Lower Upper
 73 100
 57 22.2 17.9 26.9

Manual Integrations
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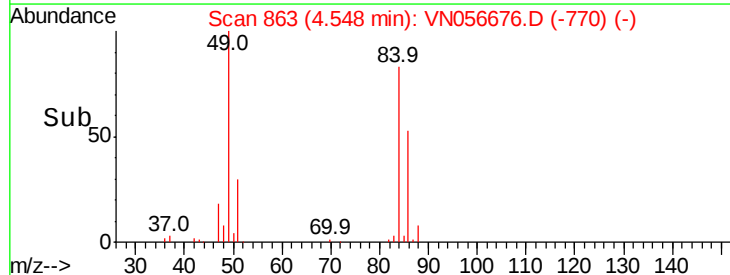
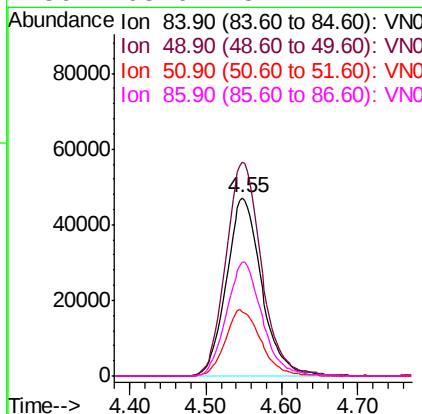
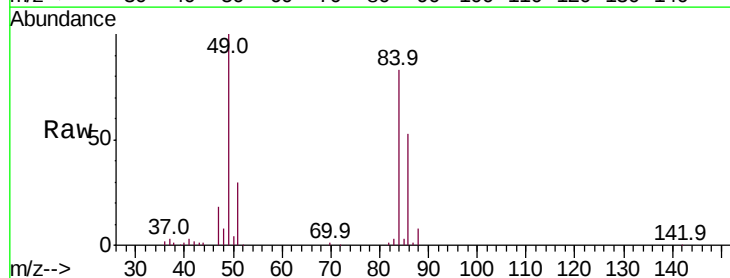
MMDadoda
 7/12/2019 5:33:04 PM

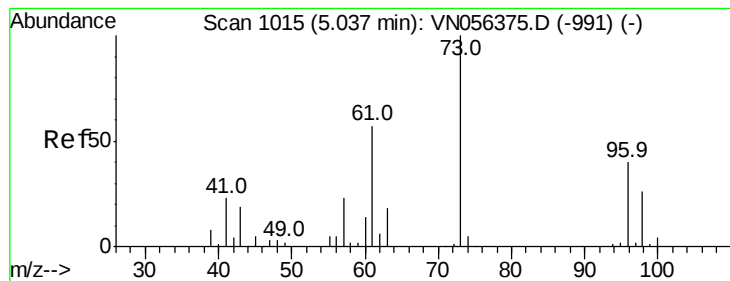


#20

Methylene Chloride
 Concen: 50.599 ug/l
 RT: 4.55 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VN056676.D
 Acq: 11 Jul 2019 19:38

Tgt Ion: 84 Resp: 151585
 Ion Ratio Lower Upper
 84 100
 49 119.8 96.4 144.6
 51 36.3 28.6 43.0
 86 63.6 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 46.239 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. 0.00 min

Lab File: VN056676.D

Acq: 11 Jul 2019 19:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 126063

Ion Ratio Lower Upper

96 100

61 136.3 113.0 169.6

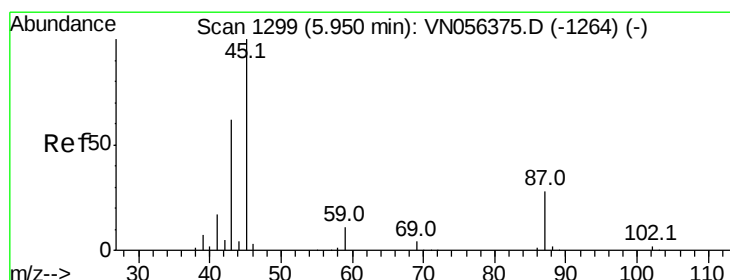
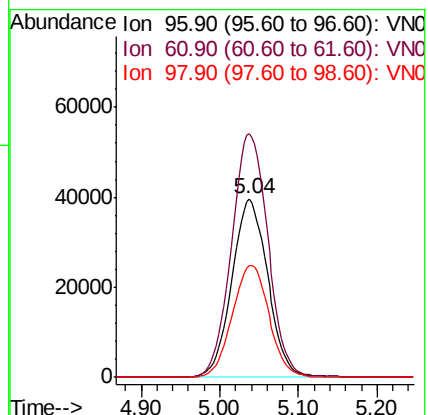
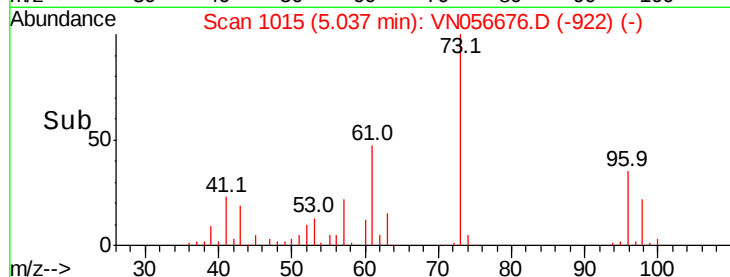
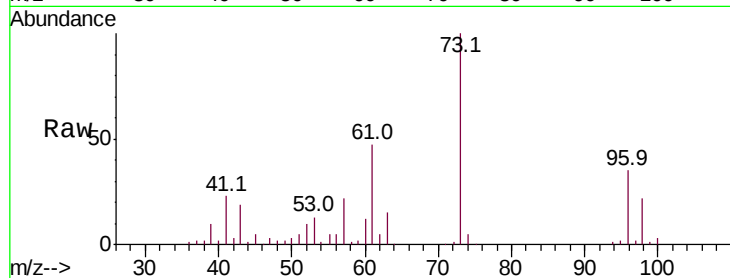
98 62.7 52.2 78.2

Manual Integrations

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#22

Diisopropyl ether

Concen: 54.889 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. 0.00 min

Lab File: VN056676.D

Acq: 11 Jul 2019 19:38

Tgt Ion: 45 Resp: 485240

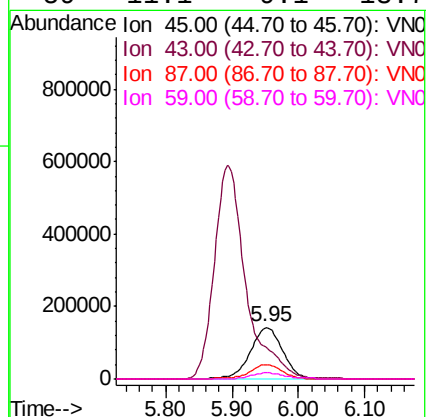
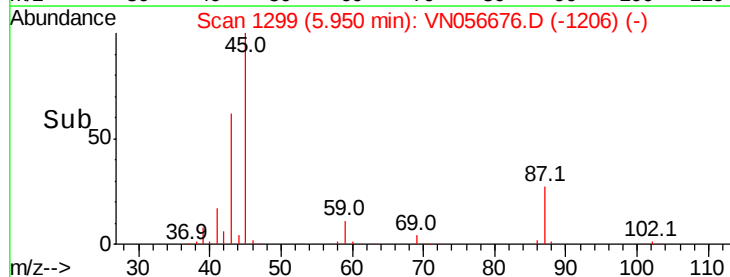
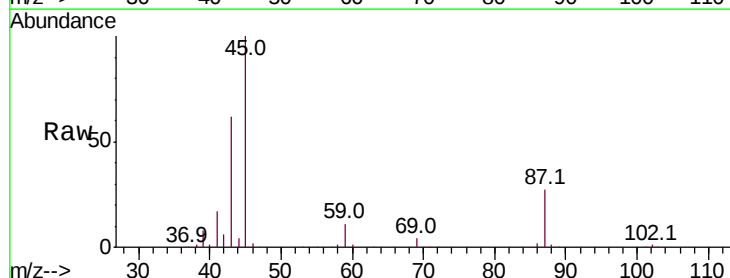
Ion Ratio Lower Upper

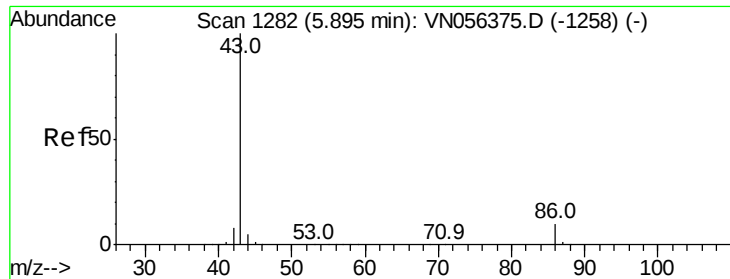
45 100

43 60.6 50.4 75.6

87 27.1 23.0 34.4

59 11.1 9.1 13.7





#23

Vinyl Acetate

Concen: 280.749 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VN056676.D

Acq: 11 Jul 2019 19:38

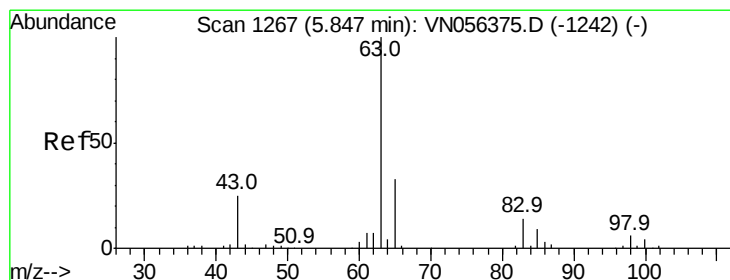
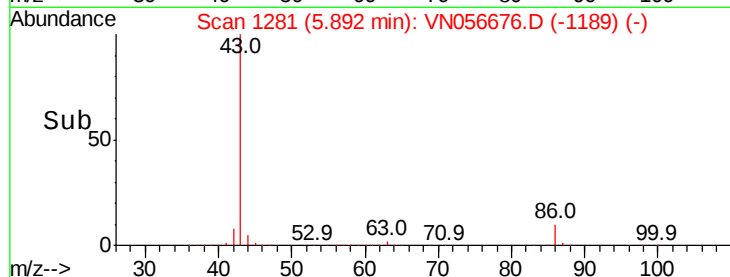
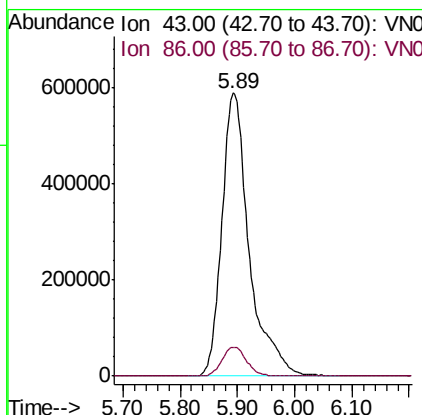
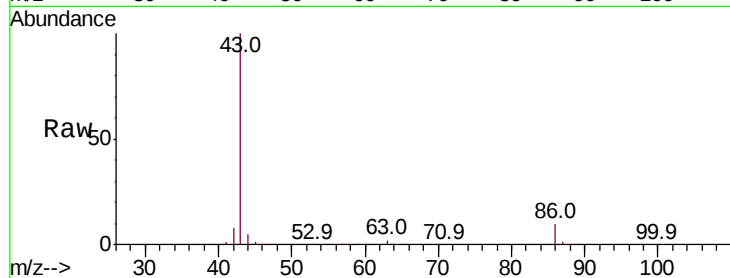
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1957570

Ion	Ratio	Lower	Upper
43	100		
86	10.3	8.3	12.5

Manual Integrations
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7/12/2019 5:33:04 PM



#24

1,1-Dichloroethane

Concen: 51.991 ug/l

RT: 5.85 min Scan# 1267

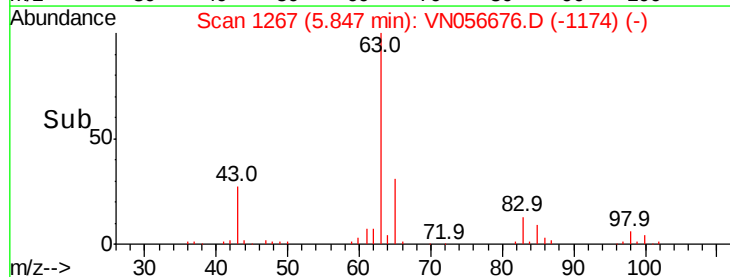
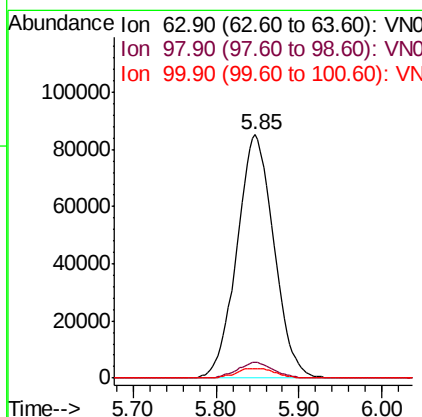
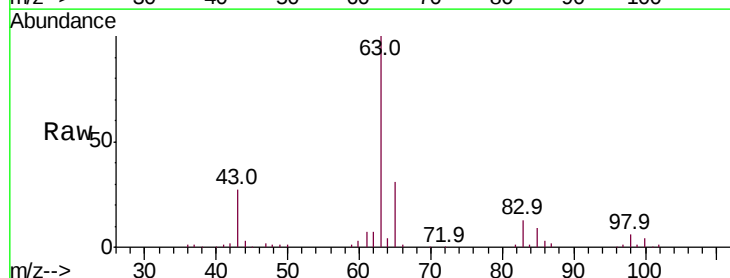
Delta R.T. 0.00 min

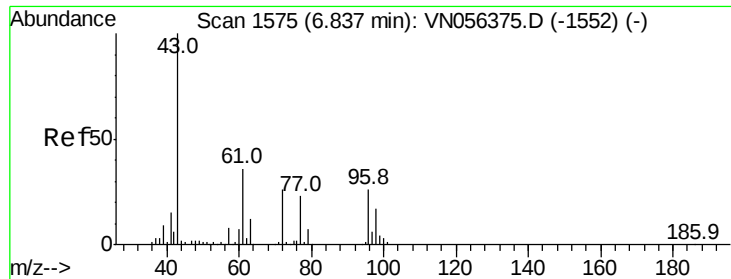
Lab File: VN056676.D

Acq: 11 Jul 2019 19:38

Tgt Ion: 63 Resp: 263838

Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.2	9.6
100	3.9	2.1	6.5





#25

2-Butanone

Concen: 256.870 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN056676.D

Acq: 11 Jul 2019 19:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 540386

Ion Ratio Lower Upper

43 100

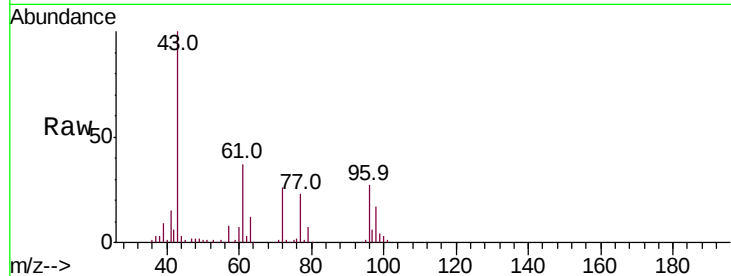
72 26.5 20.6 31.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.84

200000

150000

100000

50000

0

Time-->

6.70 6.80 6.90

6.84

6.84

6.84

6.84

6.84

6.84

6.84

6.84

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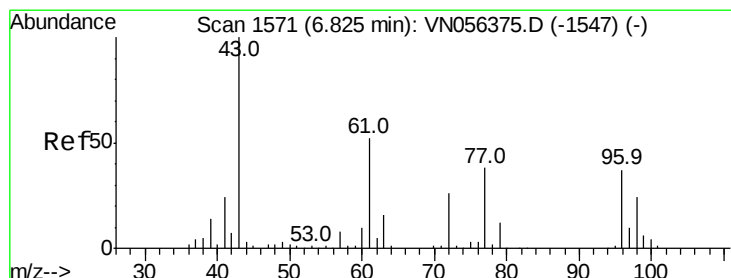
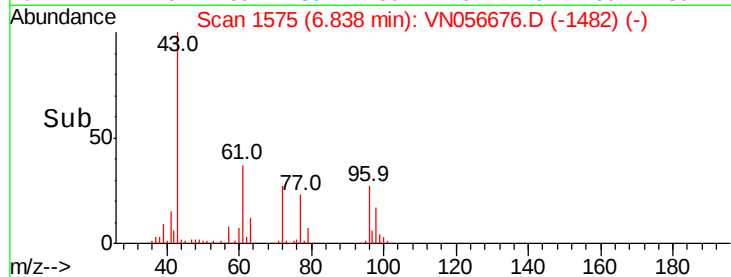
6.84

6.84

6.84

6.84

6.84



#26

2,2-Dichloropropane

Concen: 50.015 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN056676.D

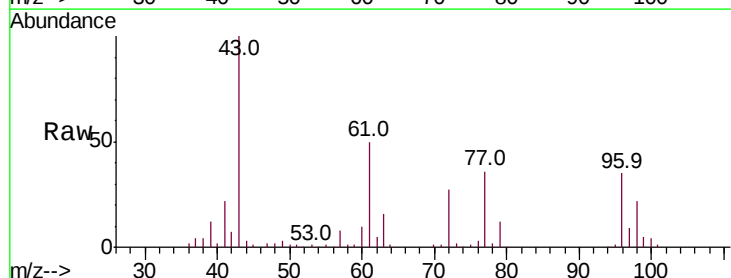
Acq: 11 Jul 2019 19:38

Tgt Ion: 77 Resp: 176527

Ion Ratio Lower Upper

77 100

97 24.5 11.9 35.5



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.82

60000

50000

40000

30000

20000

10000

0

Time-->

6.70 6.80 6.90

6.82

6.82

6.82

6.82

6.82

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6.82

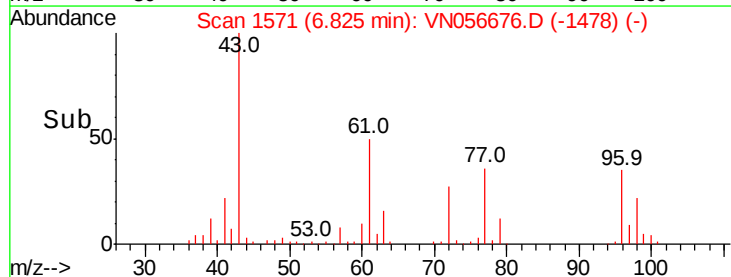
6.82

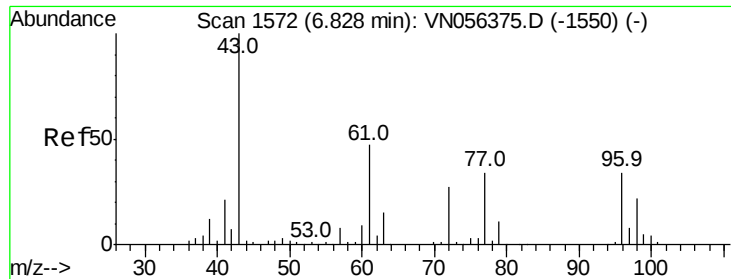
6.82

6.82

6.82

6.82





#27

cis-1,2-Dichloroethene

Concen: 51.481 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN056676.D

Acq: 11 Jul 2019 19:38

Instrument :

MSVOA_N

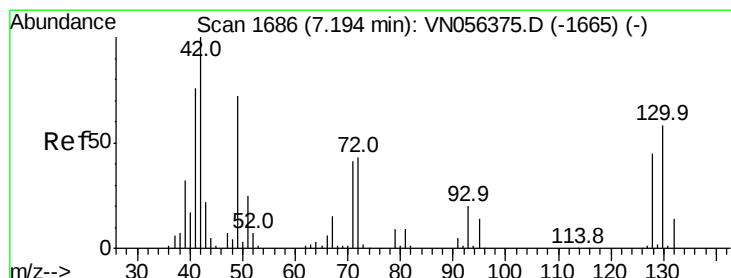
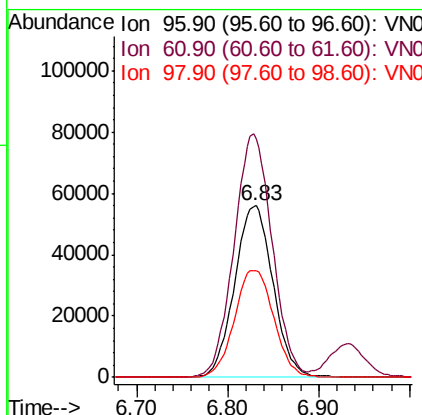
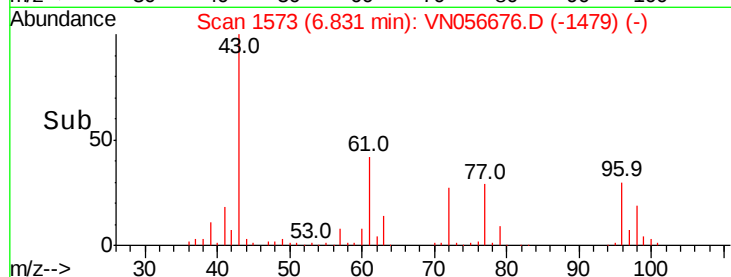
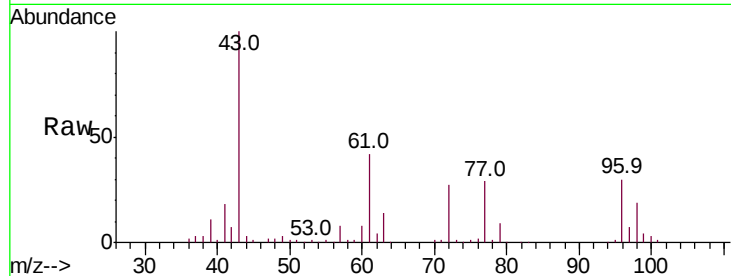
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	164208
Ion Ratio	Lower	Upper	
96	100		
61	140.7	0.0	279.8
98	63.8	0.0	130.0

Manual Integrations
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7/12/2019 5:33:04 PM



#28

Bromochloromethane

Concen: 51.693 ug/l

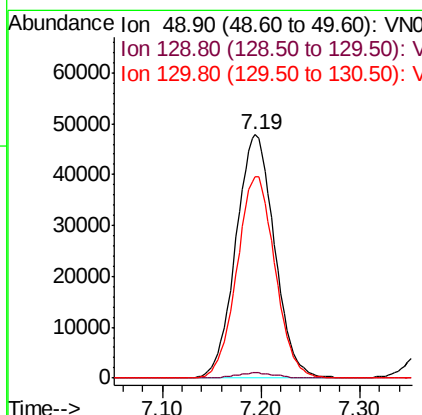
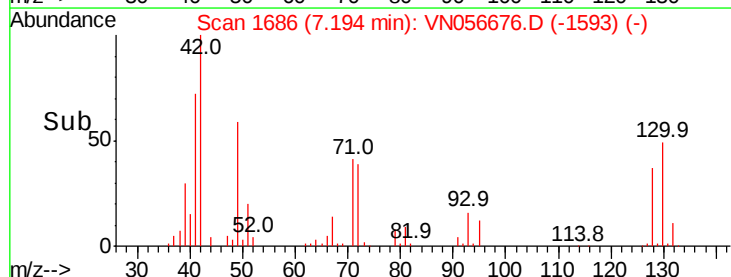
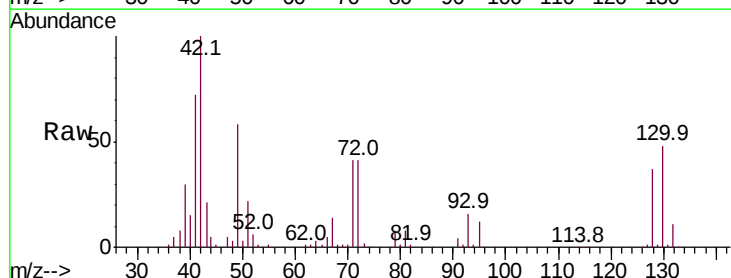
RT: 7.19 min Scan# 1686

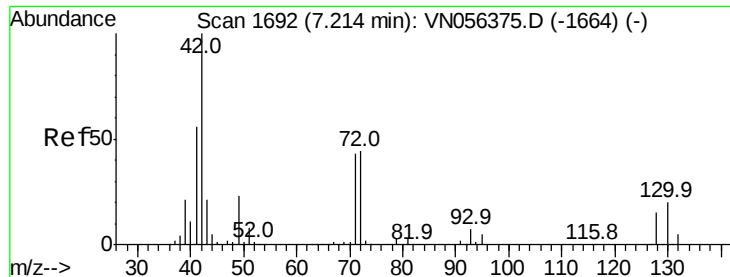
Delta R.T. 0.00 min

Lab File: VN056676.D

Acq: 11 Jul 2019 19:38

Tgt Ion:	49	Resp:	129753
Ion Ratio	Lower	Upper	
49	100		
129	2.1	0.0	4.2
130	81.5	64.9	97.3





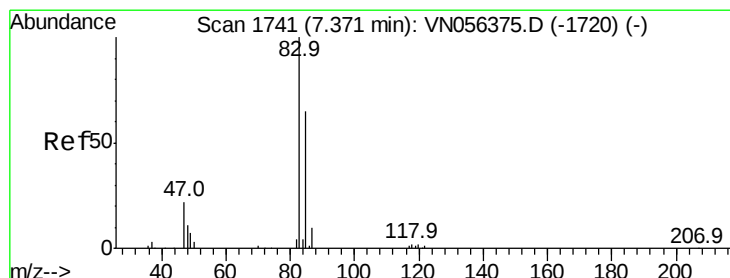
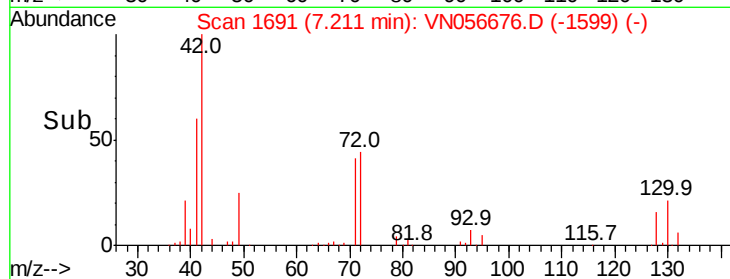
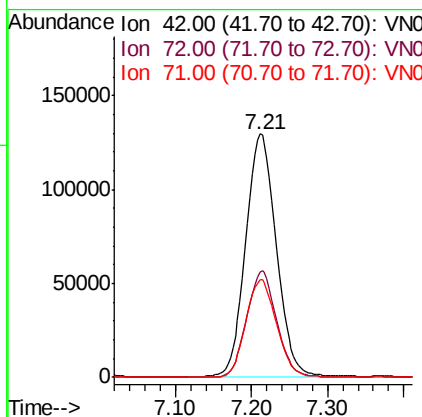
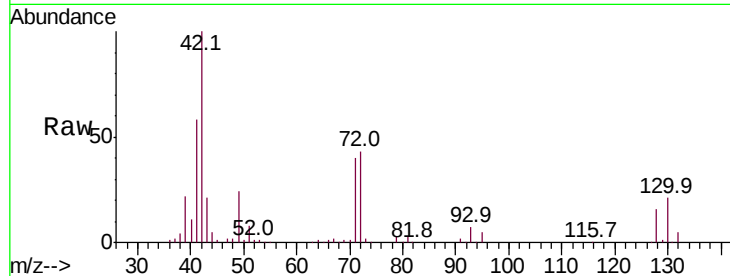
#29
Tetrahydrofuran
Concen: 285.165 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN056676.D
Acq: 11 Jul 2019 19:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.7	34.7	52.1
71	40.1	33.0	49.6

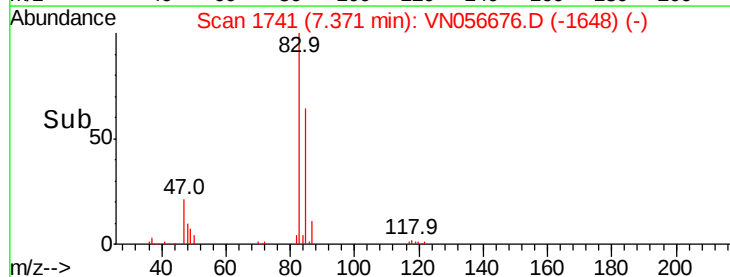
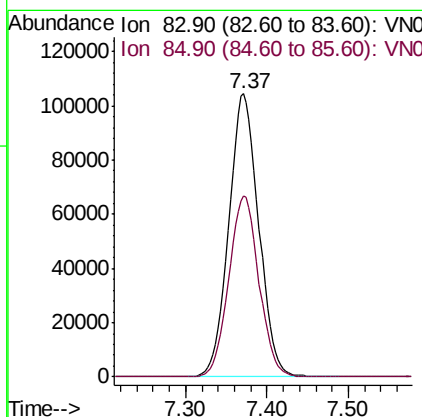
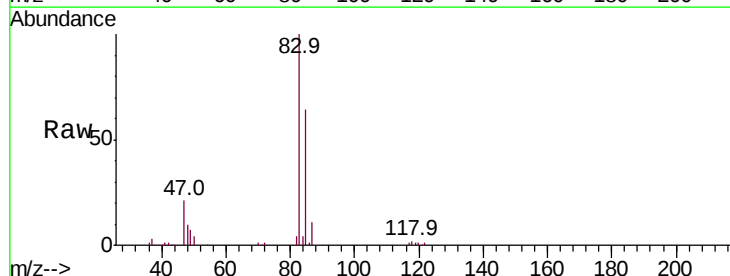
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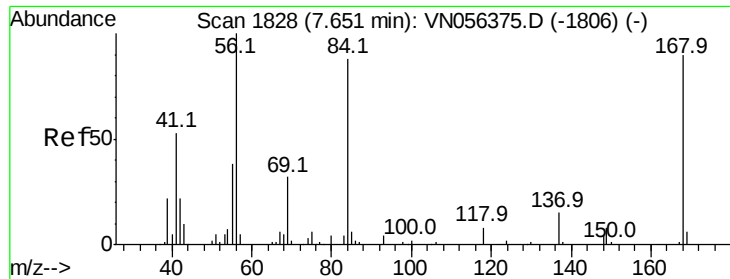
MMDadoda
7/12/2019 5:33:04 PM



#30
Chloroform
Concen: 53.384 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056676.D
Acq: 11 Jul 2019 19:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	52.3	78.5





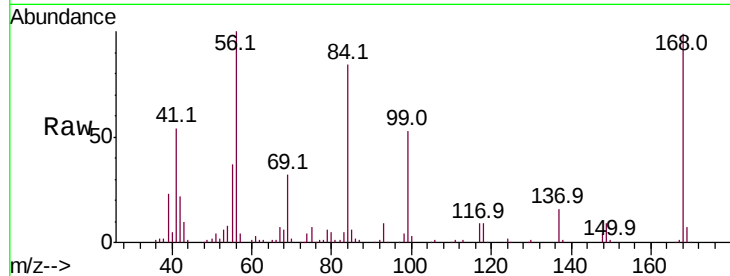
#31
Cyclohexane
Concen: 43.308 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN056676.D
Acq: 11 Jul 2019 19:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.8	25.8	38.6
84	83.5	69.4	104.0

Manual Integrations
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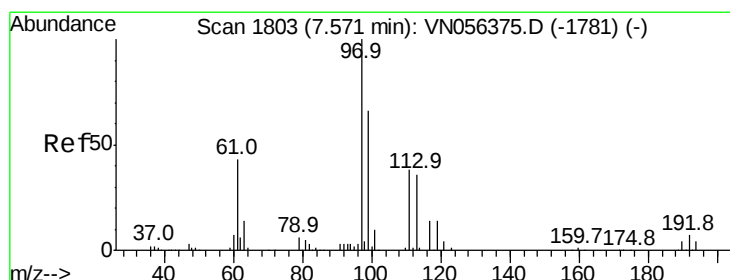
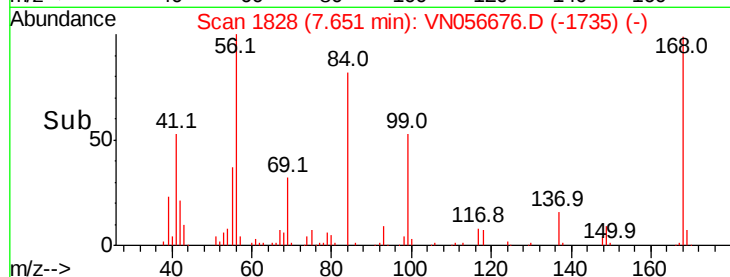
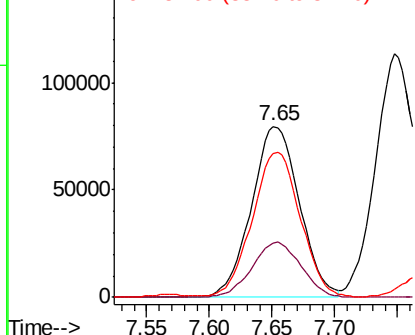


Abundance

Ion 56.00 (55.70 to 56.70): VNC

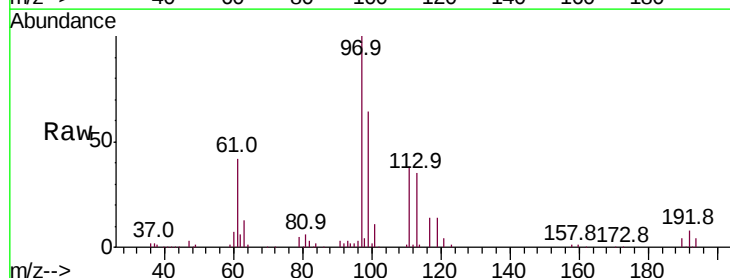
Ion 69.00 (68.70 to 69.70): VNC

Ion 84.00 (83.70 to 84.70): VNC



#32
1,1,1-Trichloroethane
Concen: 53.795 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN056676.D
Acq: 11 Jul 2019 19:38

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.8	77.6
61	42.3	33.9	50.9

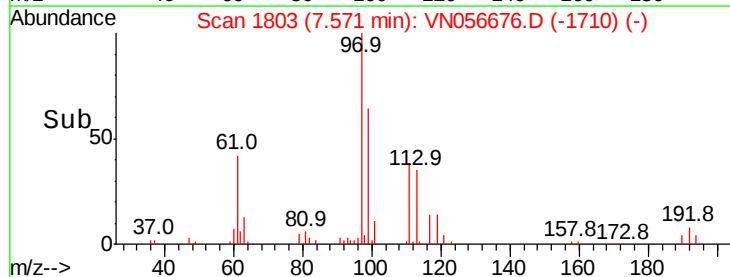
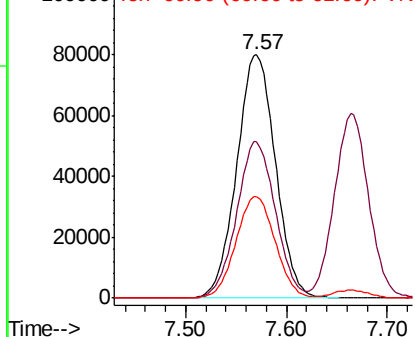


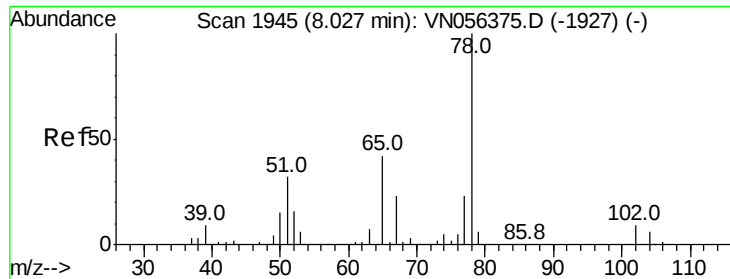
Abundance

Ion 96.90 (96.60 to 97.60): VNC

Ion 98.90 (98.60 to 99.60): VNC

Ion 60.90 (60.60 to 61.60): VNC





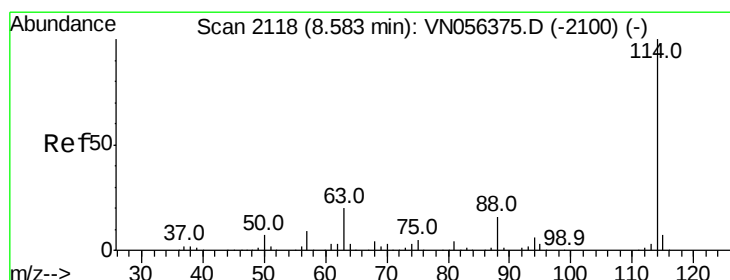
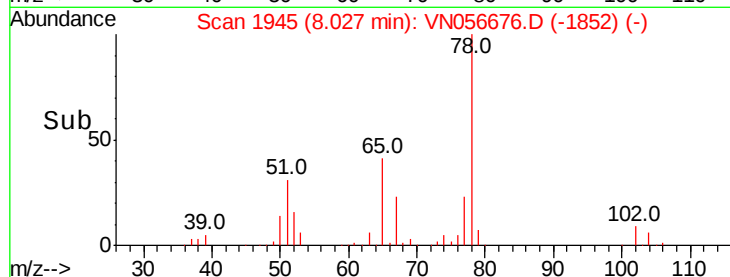
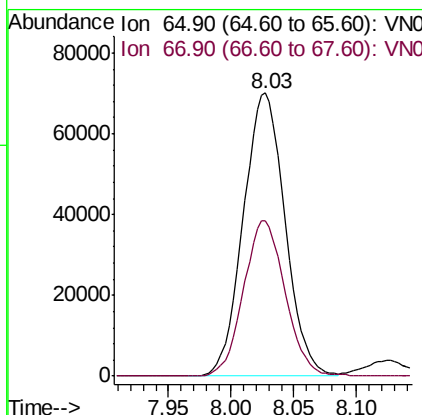
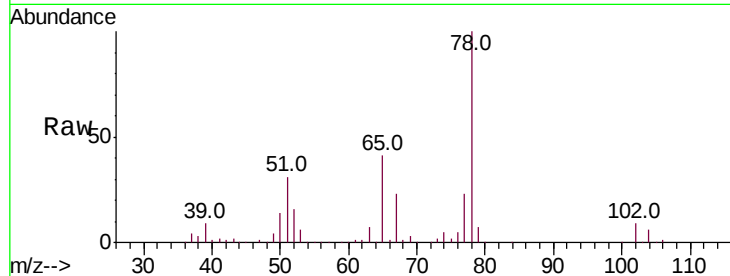
#33
 1,2-Dichloroethane-d4
 Concen: 51.241 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056676.D
 Acq: 11 Jul 2019 19:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.7	0.0	109.0	

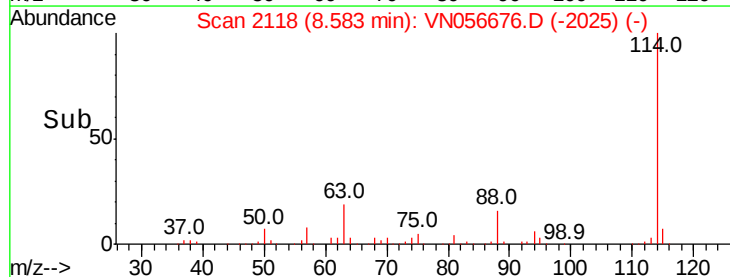
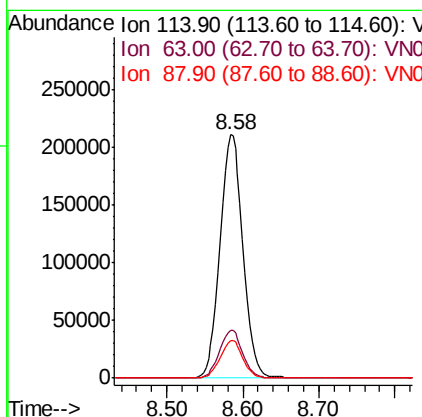
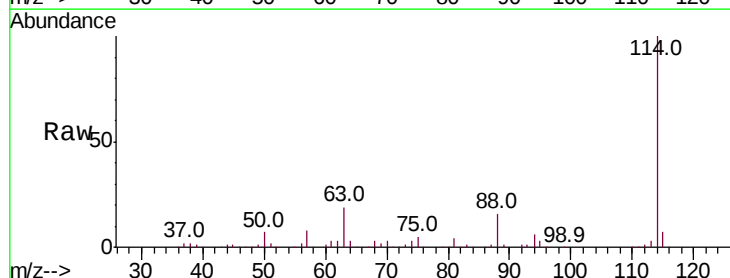
Manual Integrations
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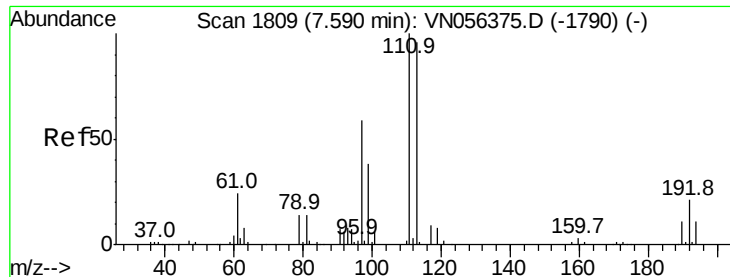
MMDadoda
 7/12/2019 5:33:04 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056676.D
 Acq: 11 Jul 2019 19:38

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.5	0.0	39.2	
88	15.6	0.0	31.4	





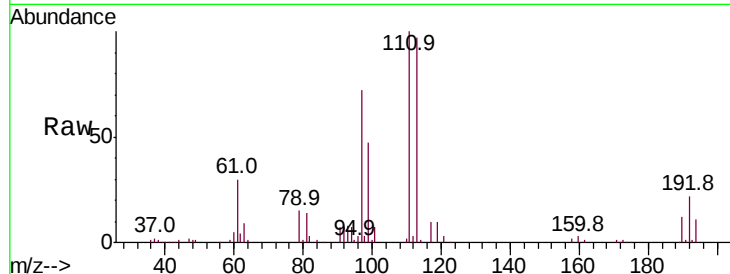
#35
 Dibromofluoromethane
 Concen: 51.807 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056676.D
 Acq: 11 Jul 2019 19:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.9	124.3
192	22.4	17.7	26.5

Manual Integrations
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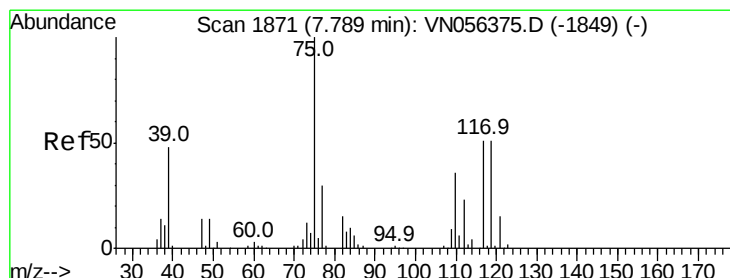
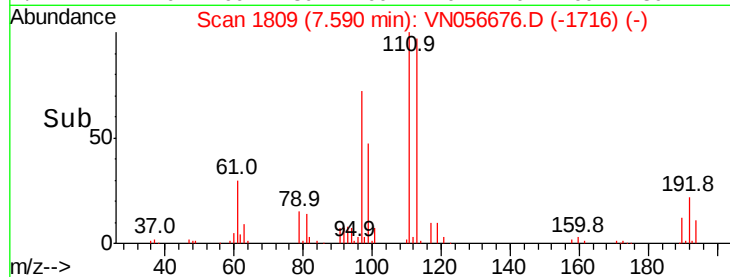
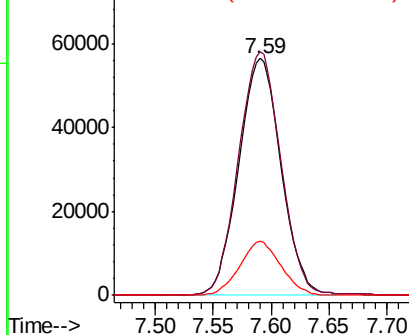


Abundance

Ion 112.80 (112.50 to 113.50): V

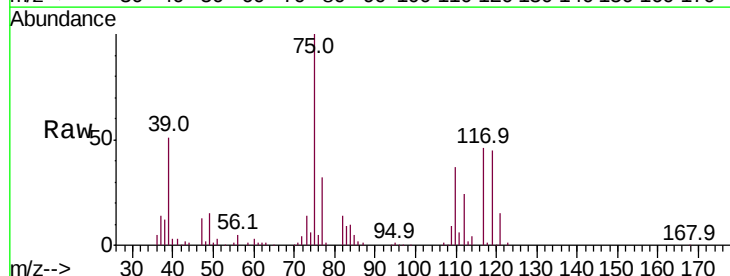
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 46.918 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN056676.D
 Acq: 11 Jul 2019 19:38

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.6	18.1	54.3
77	31.1	24.6	36.8

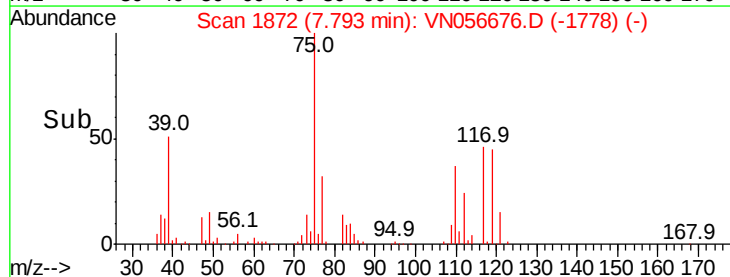
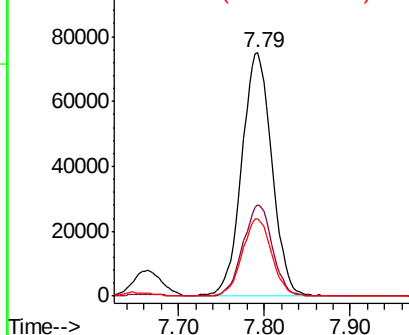


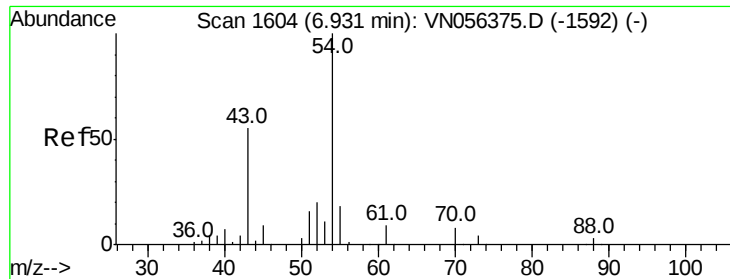
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





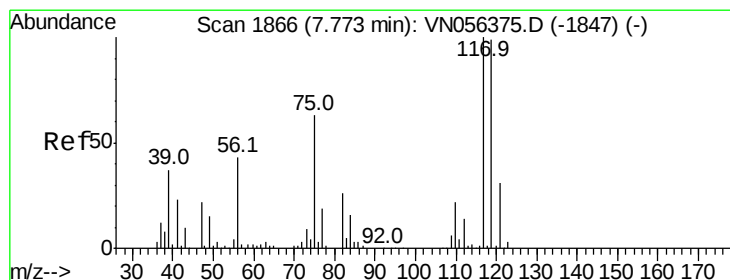
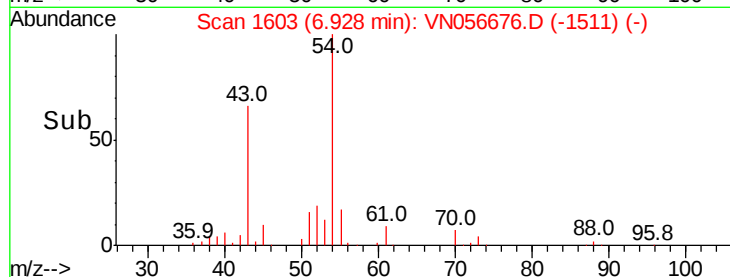
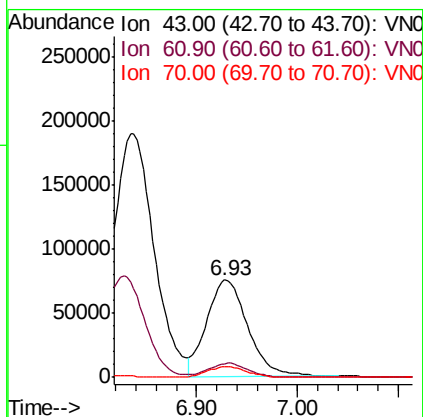
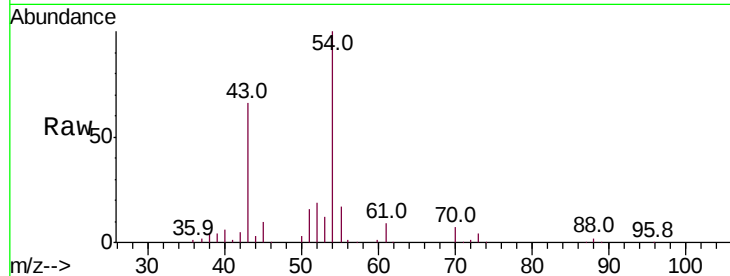
#37
Ethyl Acetate
Concen: 55.751 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN056676.D
Acq: 11 Jul 2019 19:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.1	16.7
70	10.6	8.3	12.5

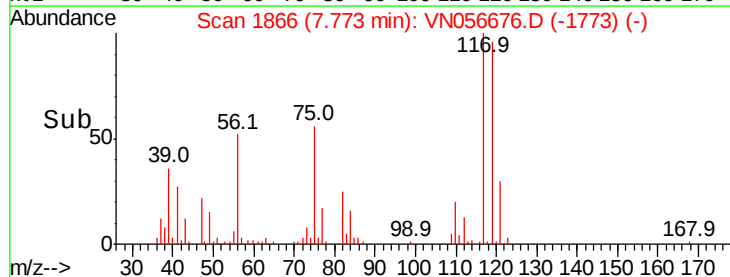
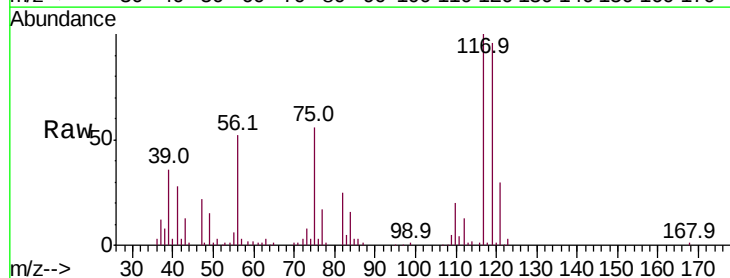
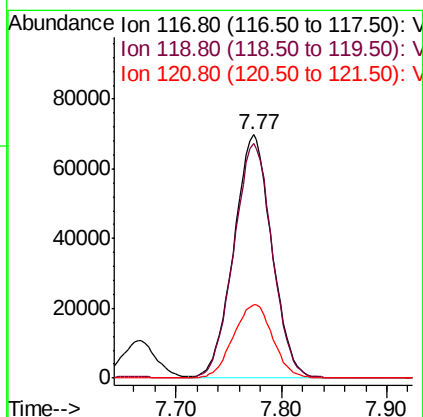
Manual Integrations
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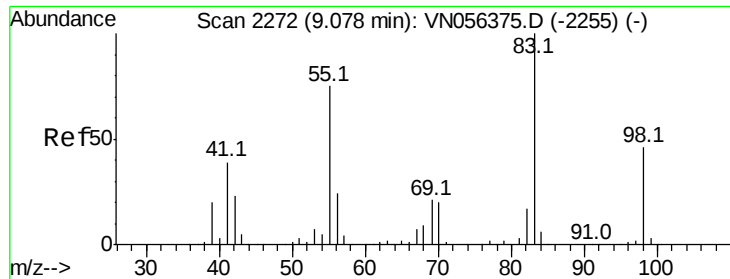
MMDadoda
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#38
Carbon Tetrachloride
Concen: 51.439 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN056676.D
Acq: 11 Jul 2019 19:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	79.1	118.7
121	30.1	24.8	37.2





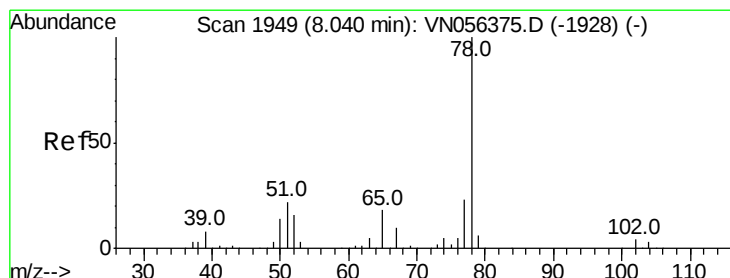
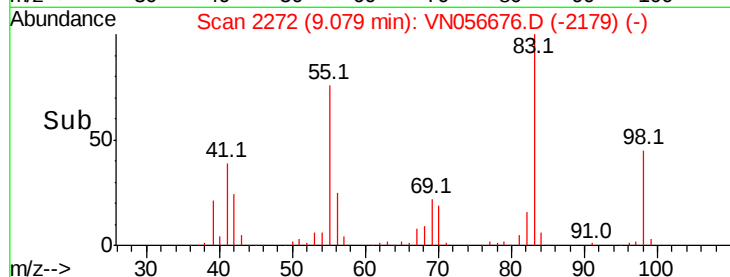
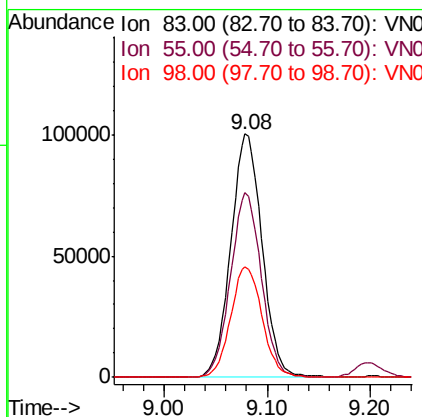
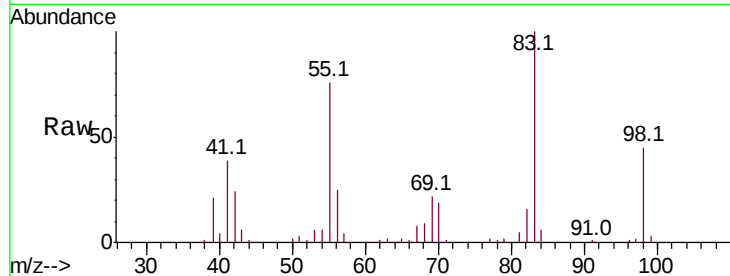
#39
Methvlcvclohexane
Concen: 44.137 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056676.D
Acq: 11 Jul 2019 19:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.1	60.0	90.0
98	45.3	36.6	54.8

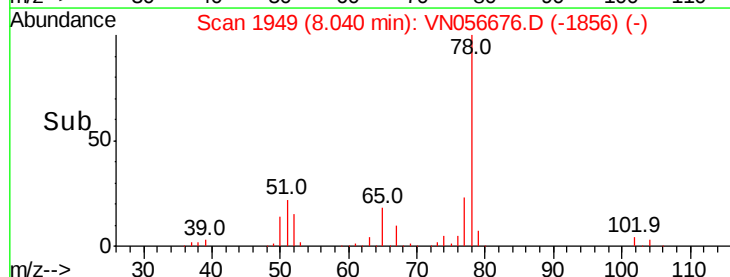
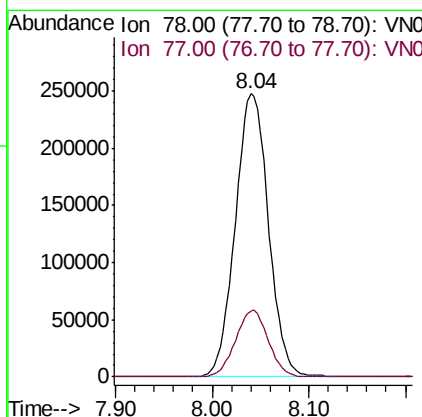
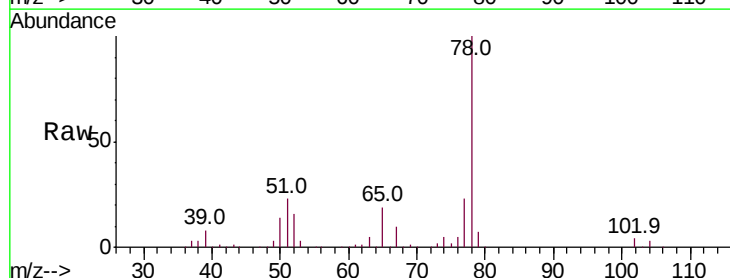
Manual Integrations
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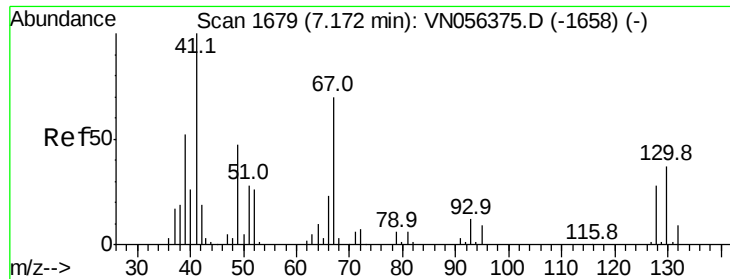
MMDadoda
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#40
Benzene
Concen: 49.307 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056676.D
Acq: 11 Jul 2019 19:38

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.3	27.5





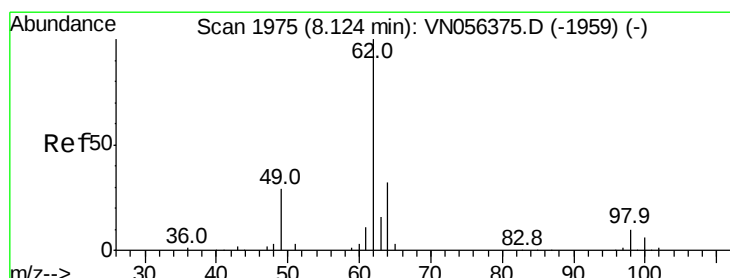
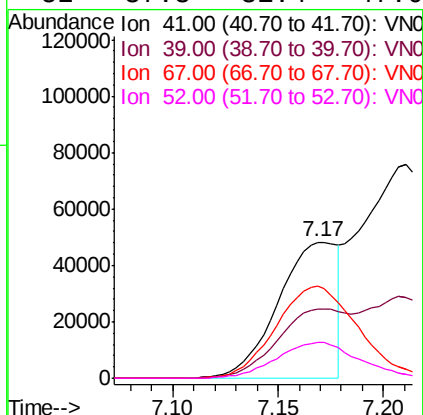
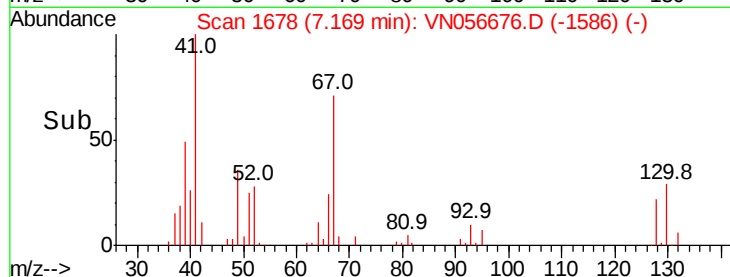
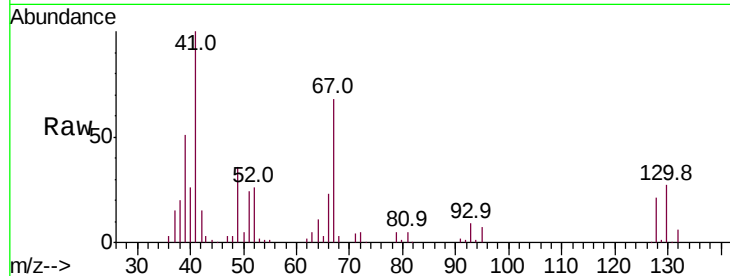
#41
Methacrylonitrile
Concen: 55.973 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.00 min
Lab File: VN056676.D
Acq: 11 Jul 2019 19:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	60.7	55.3	82.9
67	94.1	79.2	118.8
52	37.3	31.4	47.0

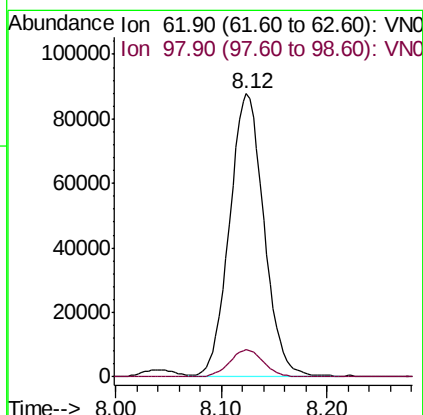
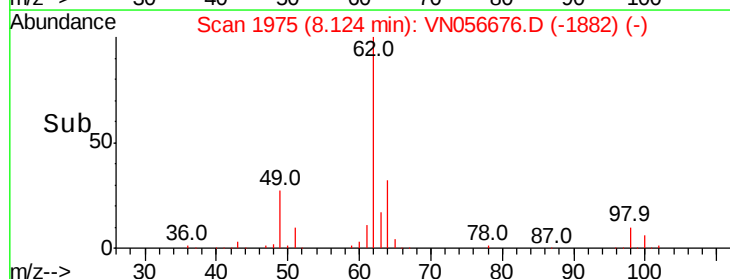
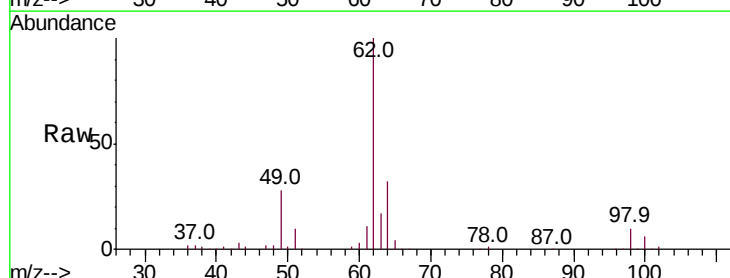
Manual Integrations
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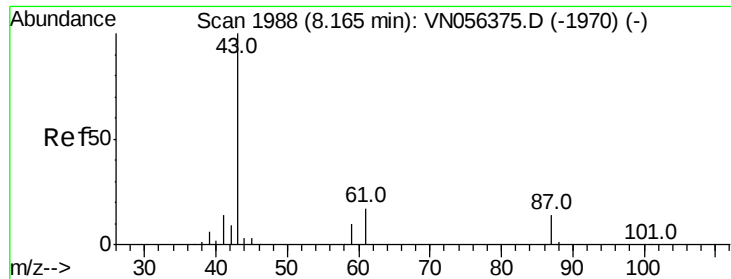
MMDadoda
7/12/2019 5:33:04 PM



#42
1,2-Dichloroethane
Concen: 50.047 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056676.D
Acq: 11 Jul 2019 19:38

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	19.4





#43

Isopropyl Acetate

Concen: 56.928 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN056676.D

Acq: 11 Jul 2019 19:38

Instrument :

MSVOA_N

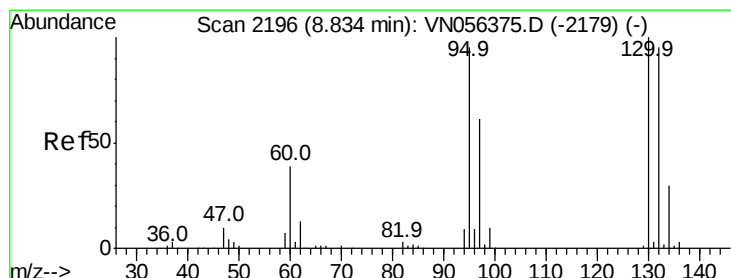
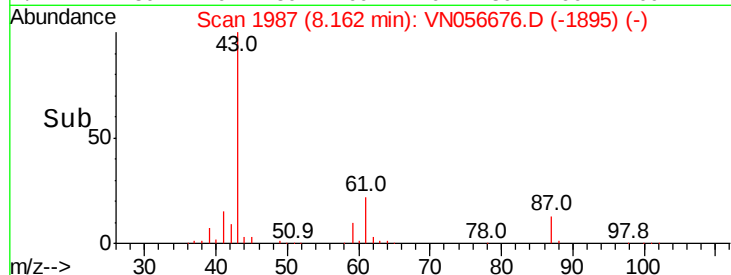
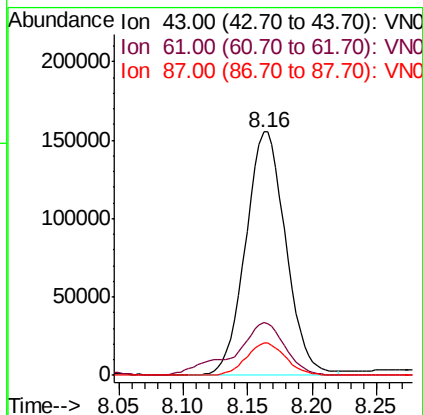
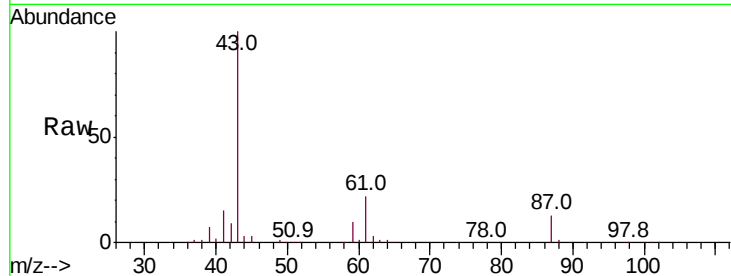
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	336192
Ion	Ratio	Lower	Upper
43	100		
61	27.0	22.0	33.0
87	13.2	11.0	16.4

Manual Integrations
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7/12/2019 5:33:04 PM



#44

Trichloroethene

Concen: 49.262 ug/l

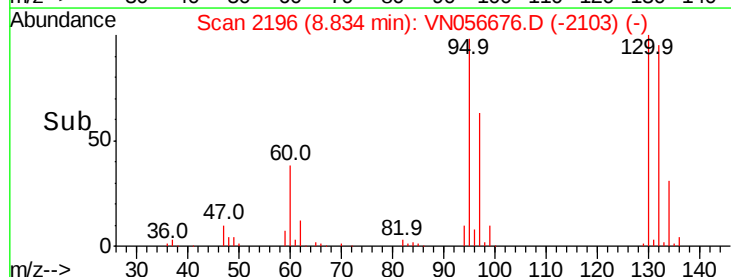
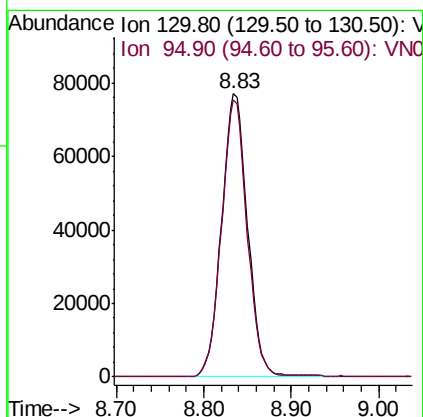
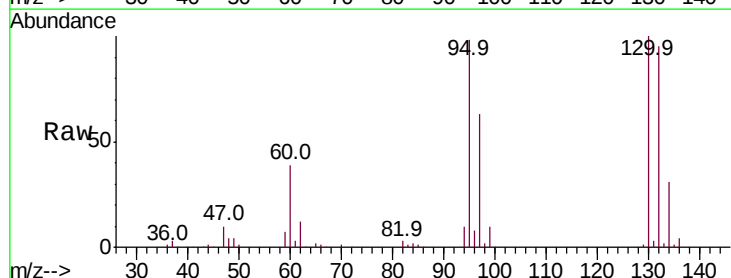
RT: 8.83 min Scan# 2196

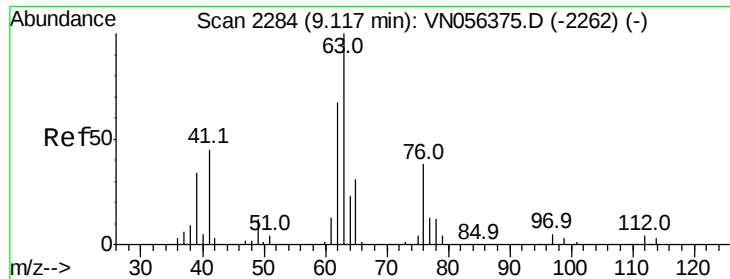
Delta R.T. 0.00 min

Lab File: VN056676.D

Acq: 11 Jul 2019 19:38

Tgt Ion:	130	Resp:	159075
Ion	Ratio	Lower	Upper
130	100		
95	97.9	0.0	191.0





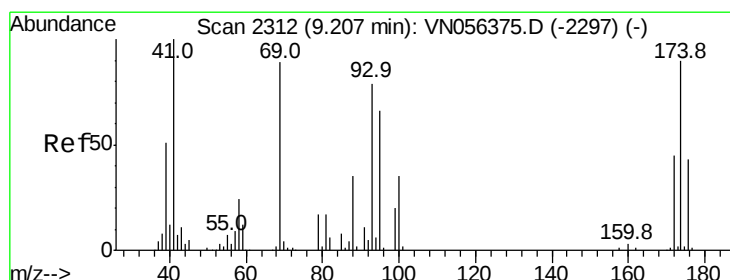
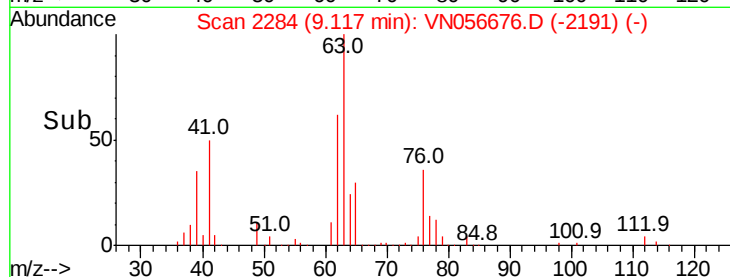
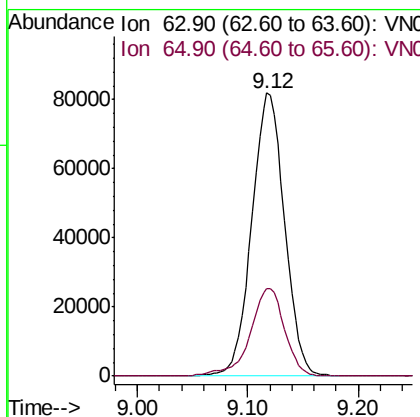
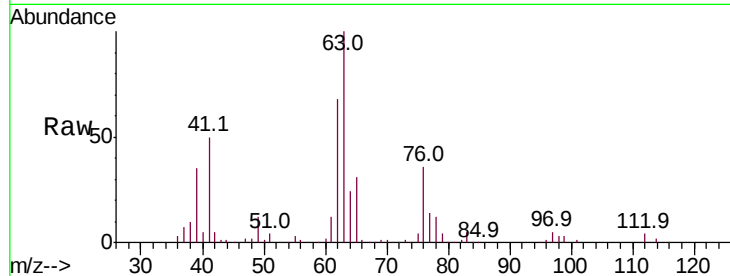
#45
 1,2-Dichloropropane
 Concen: 52.603 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056676.D
 Acq: 11 Jul 2019 19:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 168639
 Ion Ratio Lower Upper
 63 100
 65 30.9 25.0 37.6

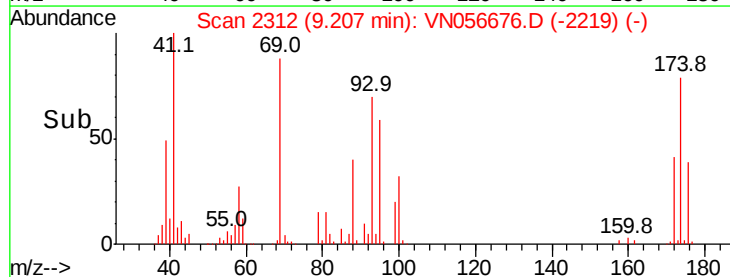
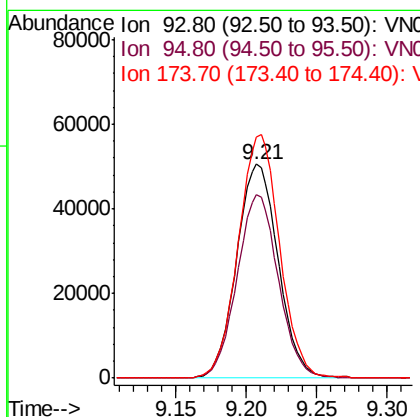
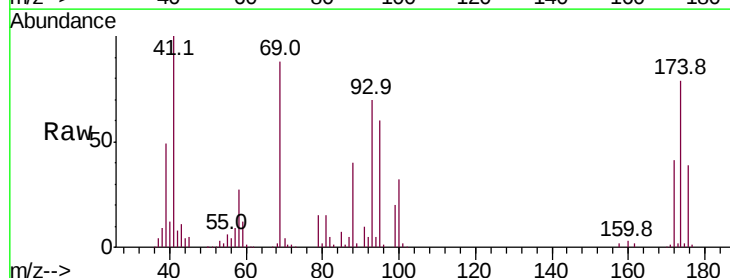
Manual Integrations
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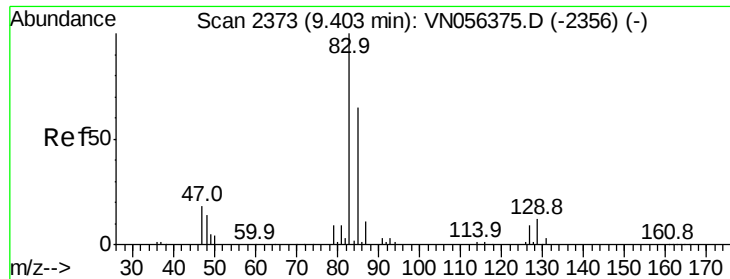
MMDadoda
 7/12/2019 5:33:04 PM



#46
 Dibromomethane
 Concen: 52.030 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056676.D
 Acq: 11 Jul 2019 19:38

Tgt Ion: 93 Resp: 104359
 Ion Ratio Lower Upper
 93 100
 95 85.1 66.2 99.2
 174 113.6 90.8 136.2





#47

Bromodichloromethane

Concen: 56.344 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN056676.D

Acq: 11 Jul 2019 19:38

Instrument :

MSVOA_N

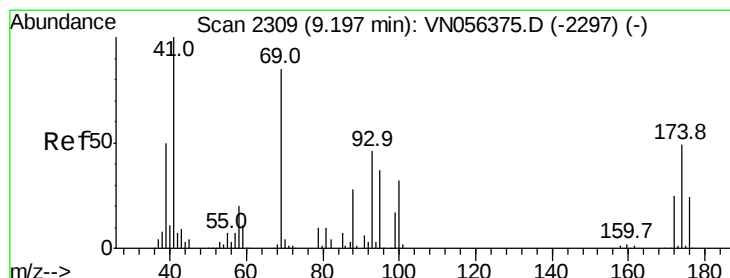
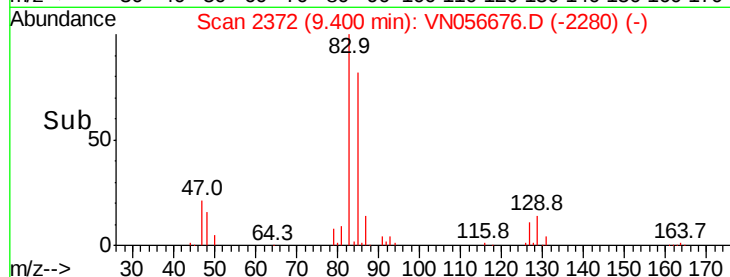
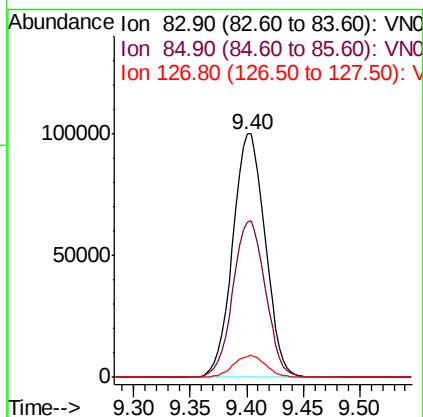
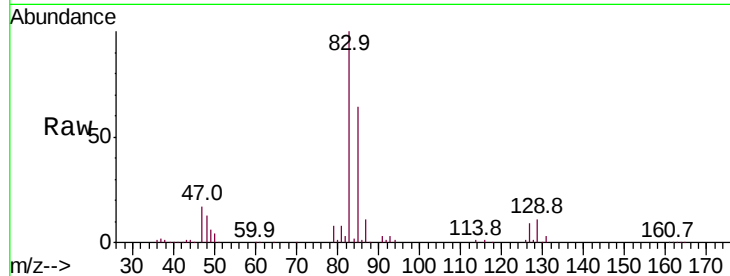
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	200432
Ion Ratio	Lower	Upper	
83	100		
85	64.0	52.2	78.4
127	8.8	7.3	10.9

Manual Integrations
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7/12/2019 5:33:04 PM



#48

Methyl methacrylate

Concen: 56.886 ug/l

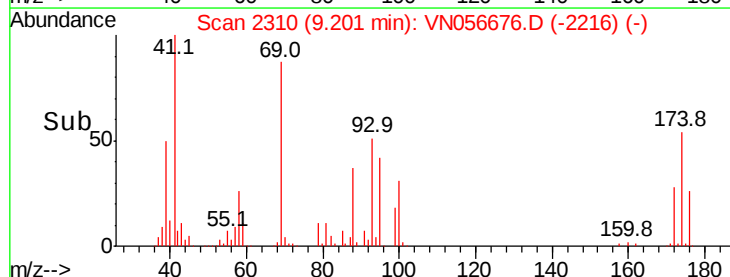
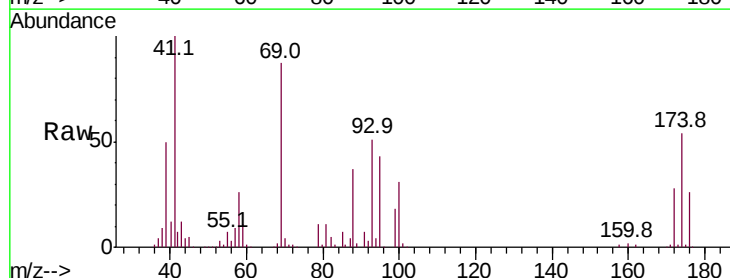
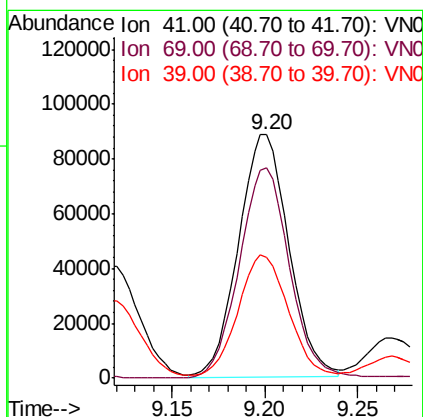
RT: 9.20 min Scan# 2310

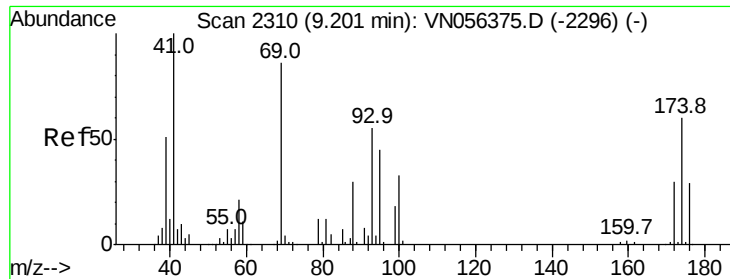
Delta R.T. 0.00 min

Lab File: VN056676.D

Acq: 11 Jul 2019 19:38

Tgt Ion:	41	Resp:	168349
Ion Ratio	Lower	Upper	
41	100		
69	87.0	72.6	109.0
39	50.7	42.6	63.8





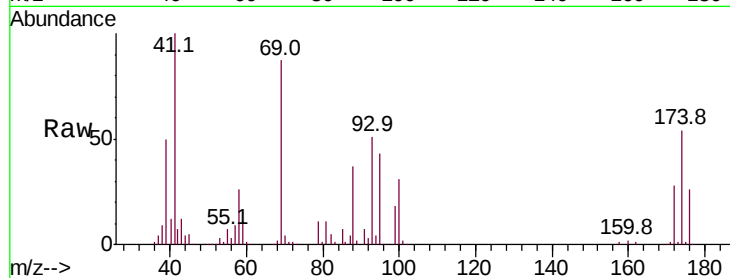
#49
1,4-Dioxane
Concen: 1180.857 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN056676.D
Acq: 11 Jul 2019 19:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.5	22.0	33.0
58	67.6	51.8	77.8

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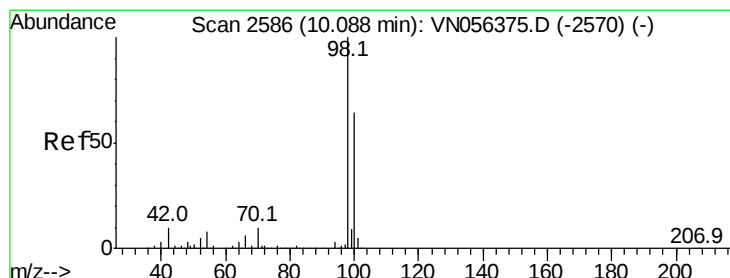
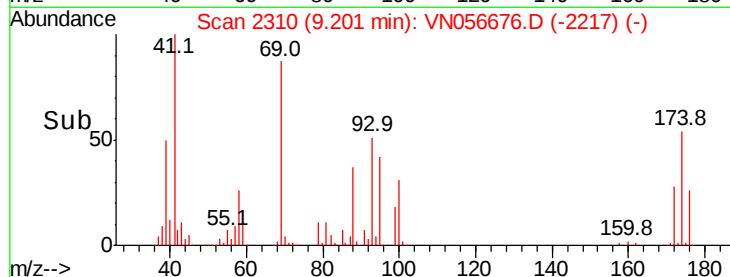
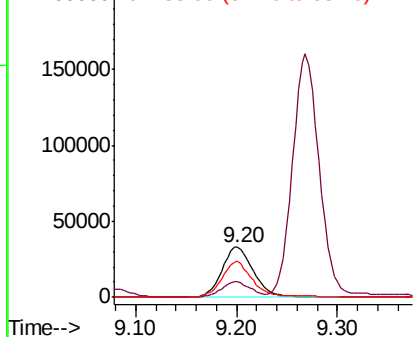


Abundance

Ion 88.00 (87.70 to 88.70): VN0

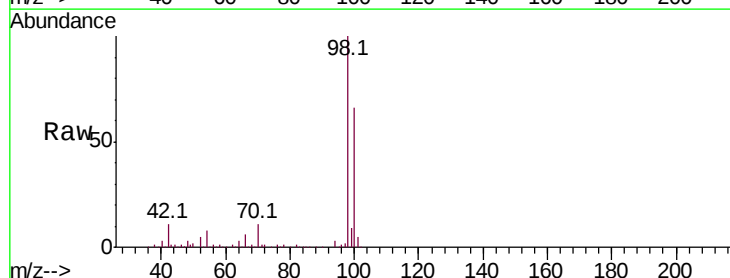
Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50
Toluene-d8
Concen: 49.543 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN056676.D
Acq: 11 Jul 2019 19:38

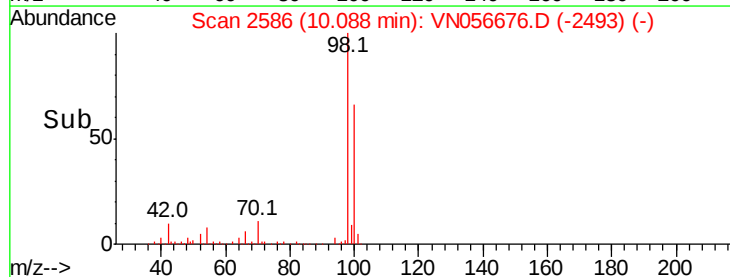
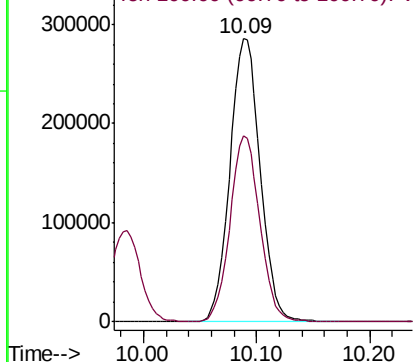
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.2	78.2

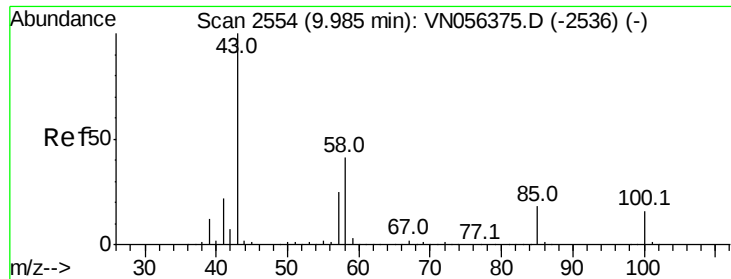


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 292.531 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN056676.D

Acq: 11 Jul 2019 19:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1115030

Ion Ratio Lower Upper

43 100

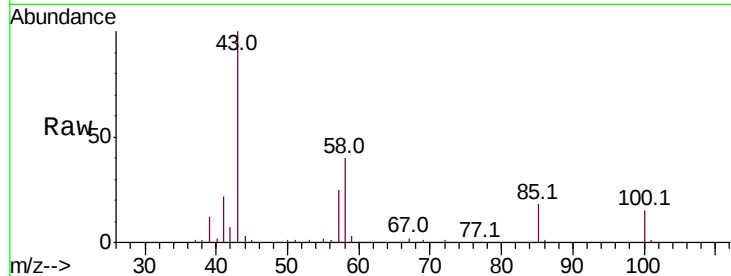
58 39.6 31.8 47.8

Manual Integrations

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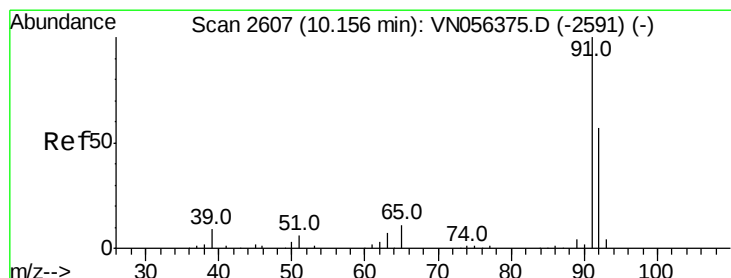
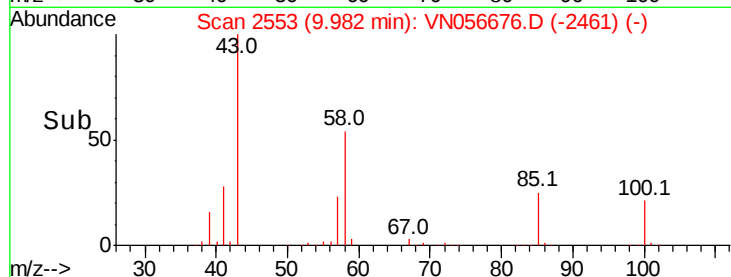
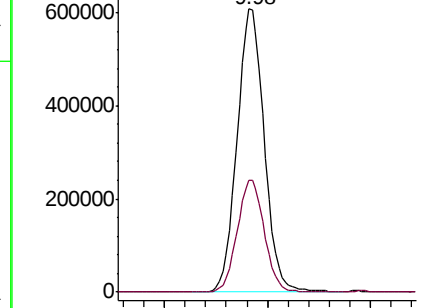
MMDadoda

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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: 49.790 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN056676.D

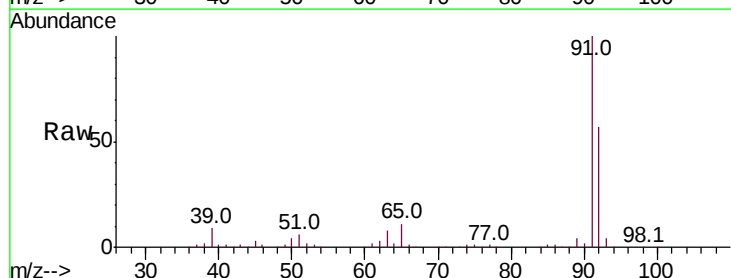
Acq: 11 Jul 2019 19:38

Tgt Ion: 92 Resp: 364907

Ion Ratio Lower Upper

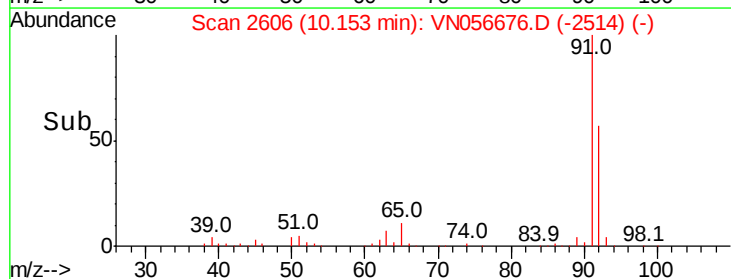
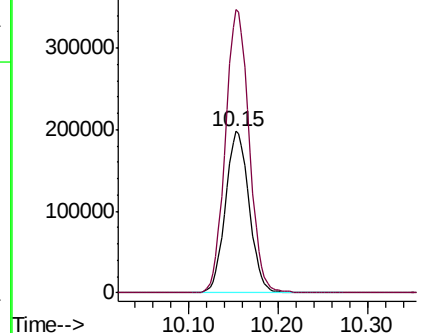
92 100

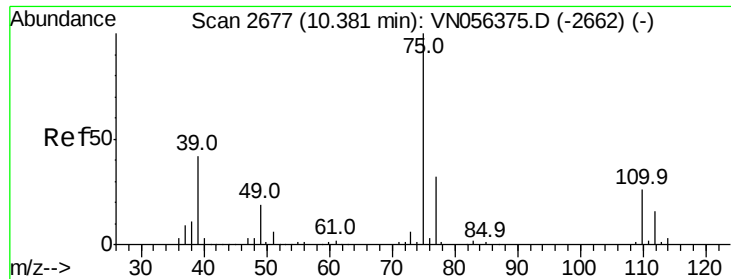
91 175.8 140.6 211.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





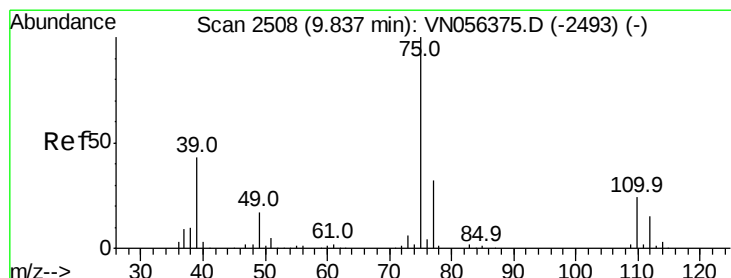
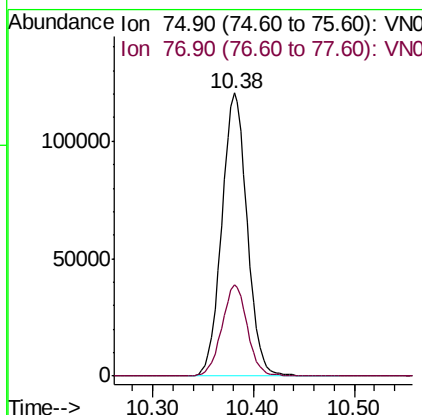
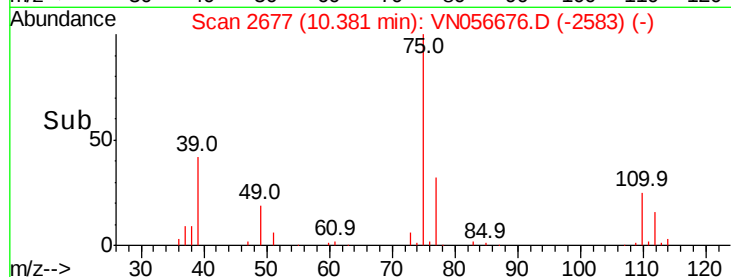
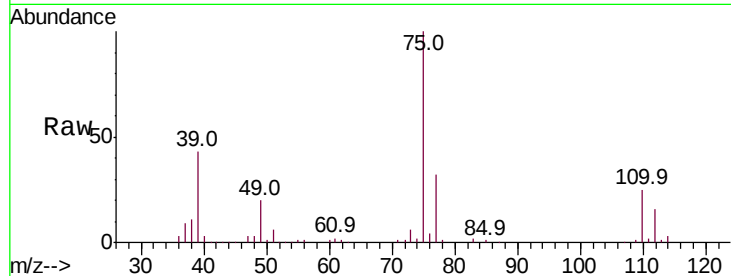
#53
 t-1,3-Dichloropropene
 Concen: 51.081 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN056676.D
 Acq: 11 Jul 2019 19:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 211916
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.4 38.2

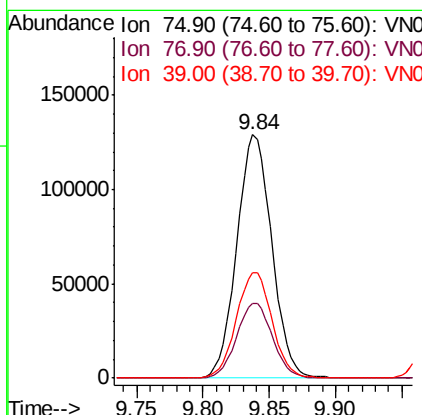
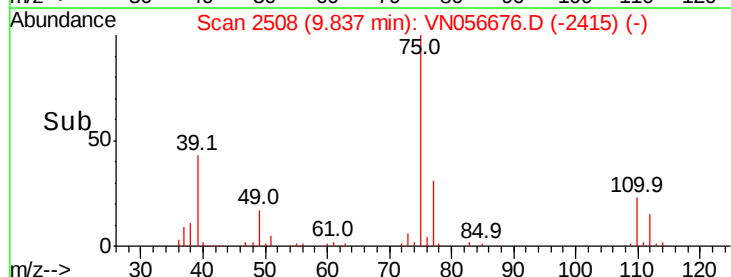
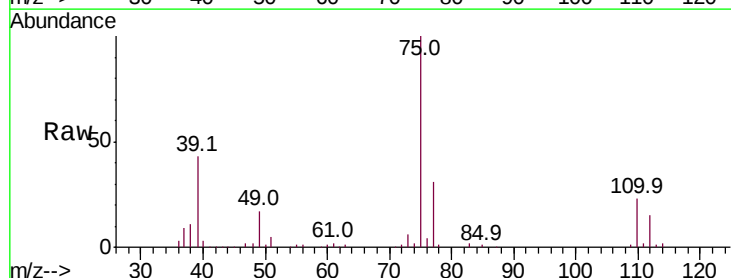
Manual Integrations
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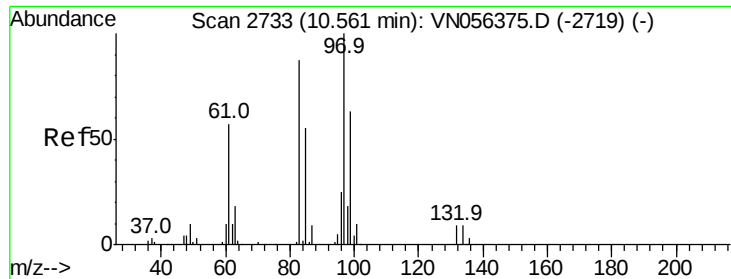
MMDadoda
 7/12/2019 5:33:04 PM



#54
 cis-1,3-Dichloropropene
 Concen: 55.247 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. 0.00 min
 Lab File: VN056676.D
 Acq: 11 Jul 2019 19:38

Tgt Ion: 75 Resp: 236667
 Ion Ratio Lower Upper
 75 100
 77 30.8 25.2 37.8
 39 43.1 34.2 51.4





#55

1,1,2-Trichloroethane

Concen: 54.673 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN056676.D

Acq: 11 Jul 2019 19:38

Instrument :

MSVOA_N

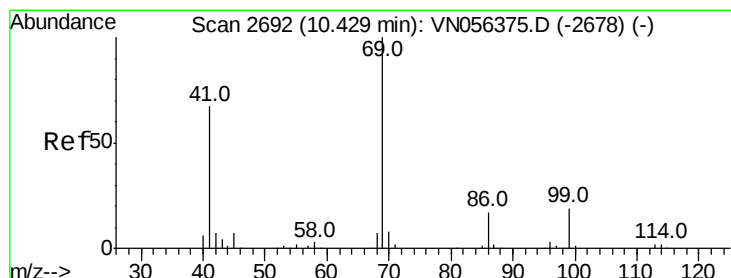
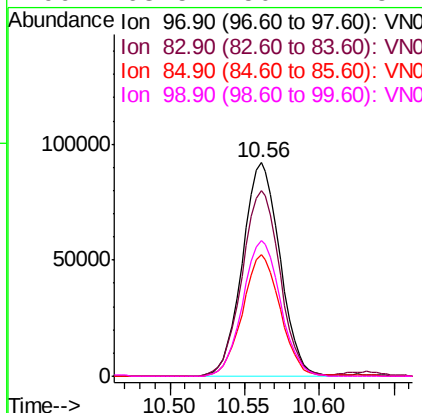
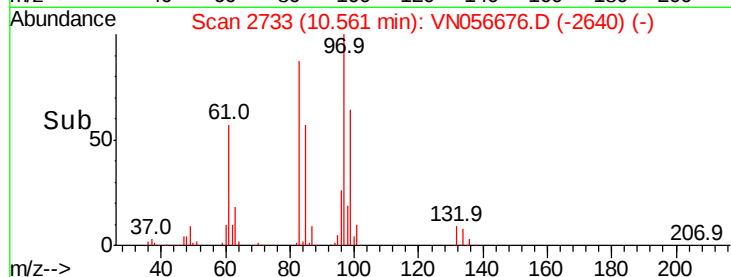
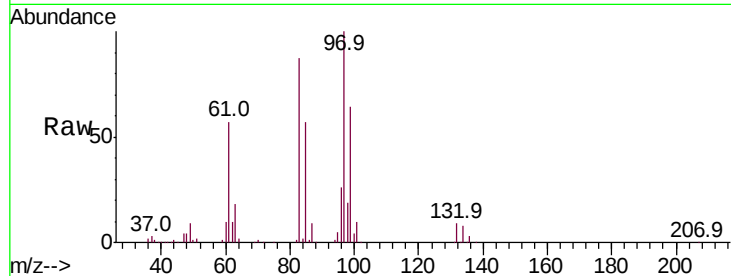
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	161063
Ion	Ratio	Lower	Upper
97	100		
83	87.0	69.8	104.6
85	56.7	43.8	65.8
99	63.5	50.2	75.2

Manual Integrations
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MMDadoda
7/12/2019 5:33:04 PM



#56

Ethyl methacrylate

Concen: 57.489 ug/l

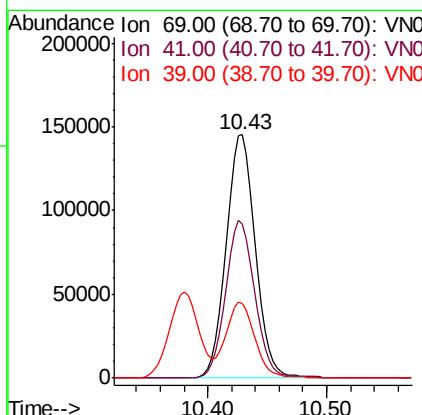
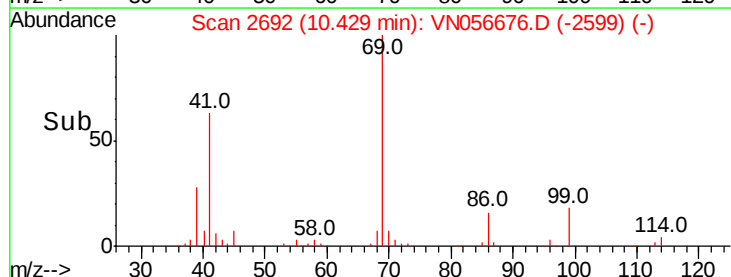
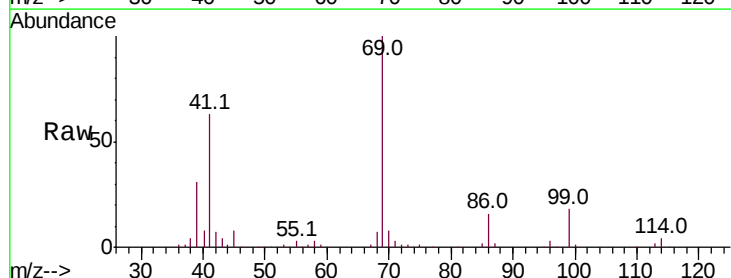
RT: 10.43 min Scan# 2692

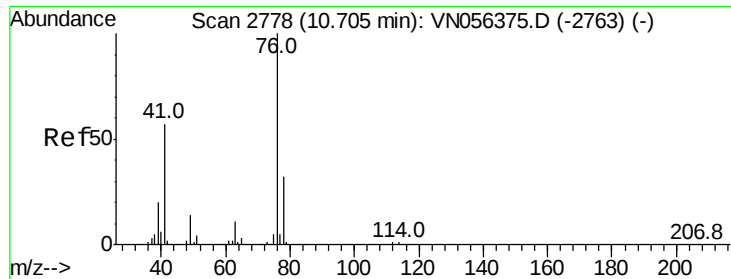
Delta R.T. 0.00 min

Lab File: VN056676.D

Acq: 11 Jul 2019 19:38

Tgt Ion:	69	Resp:	247502
Ion	Ratio	Lower	Upper
69	100		
41	63.8	51.4	77.2
39	31.3	24.7	37.1





#57

1,3-Dichloropropane

Concen: 54.143 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN056676.D

Acq: 11 Jul 2019 19:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 267954

Ion Ratio Lower Upper

76 100

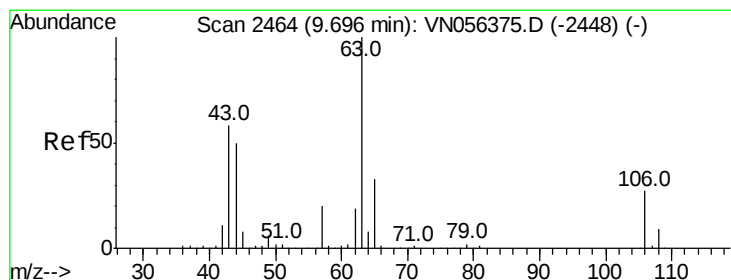
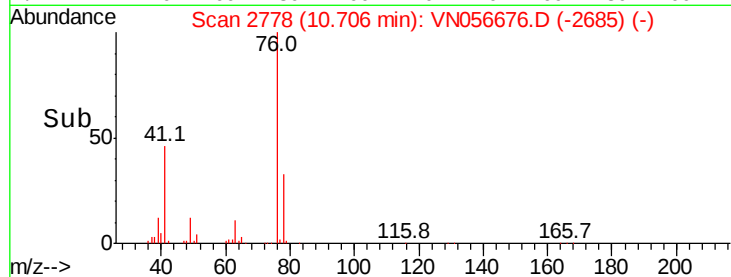
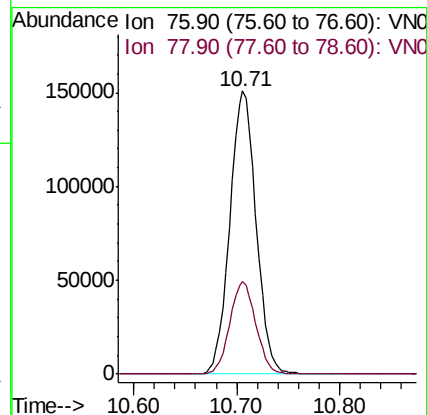
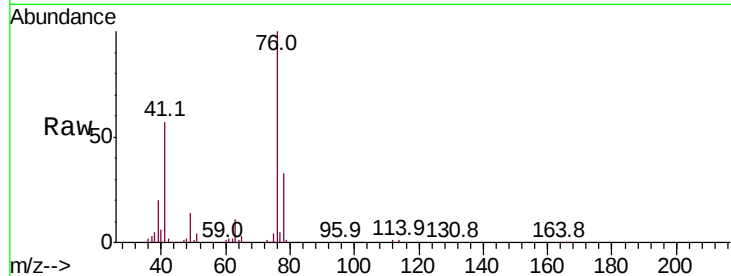
78 32.4 25.9 38.9

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 372.981 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN056676.D

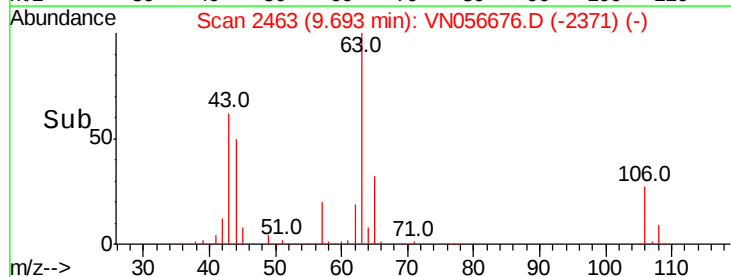
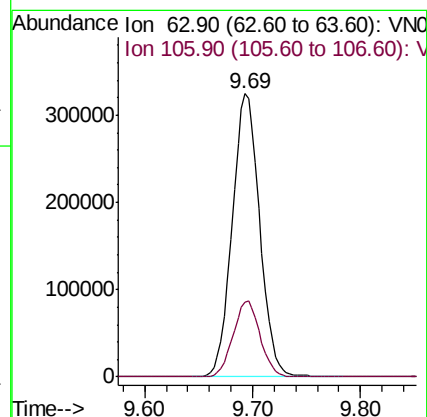
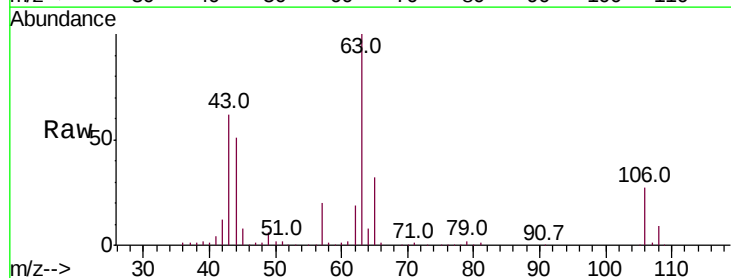
Acq: 11 Jul 2019 19:38

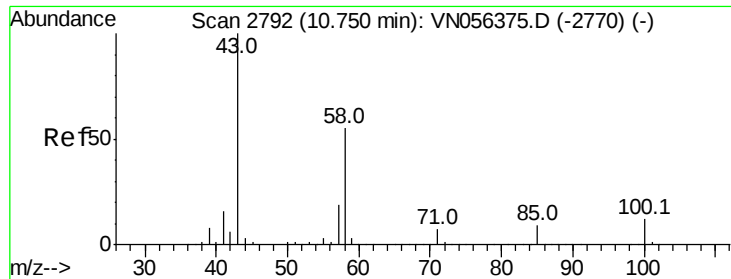
Tgt Ion: 63 Resp: 576876

Ion Ratio Lower Upper

63 100

106 26.4 21.6 32.4





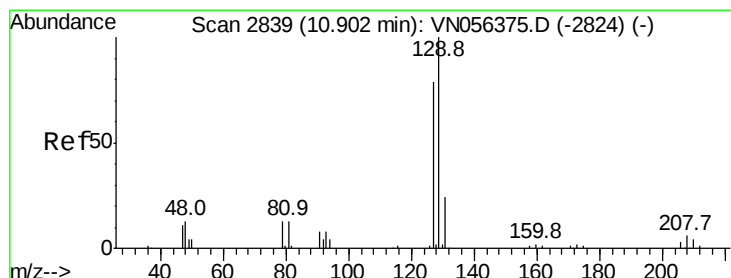
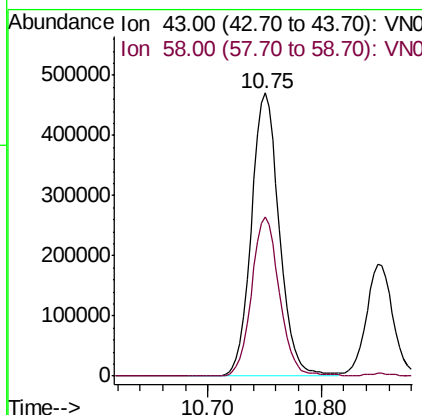
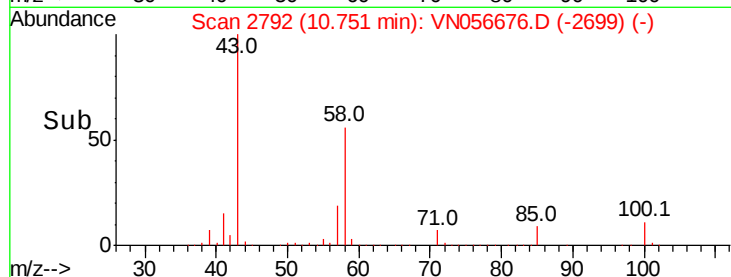
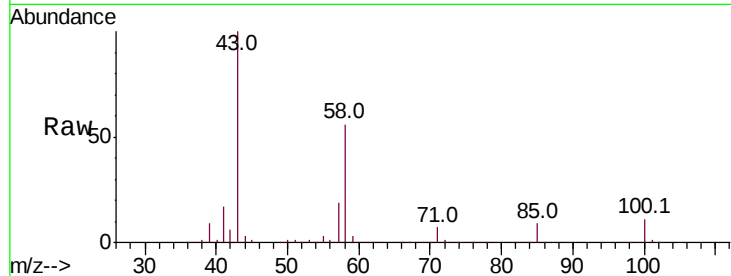
#59
2-Hexanone
Concen: 287.622 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN056676.D
Acq: 11 Jul 2019 19:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 805755
Ion Ratio Lower Upper
43 100
58 56.2 27.8 83.4

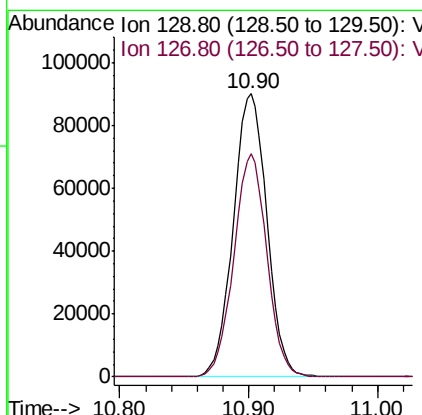
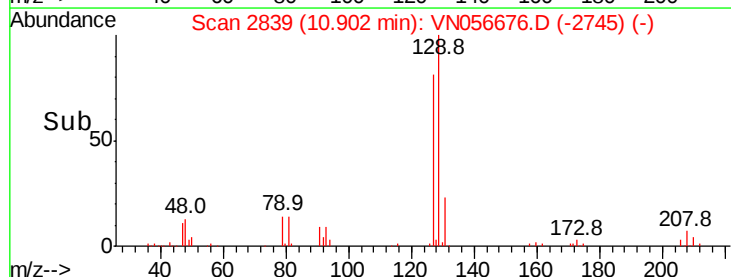
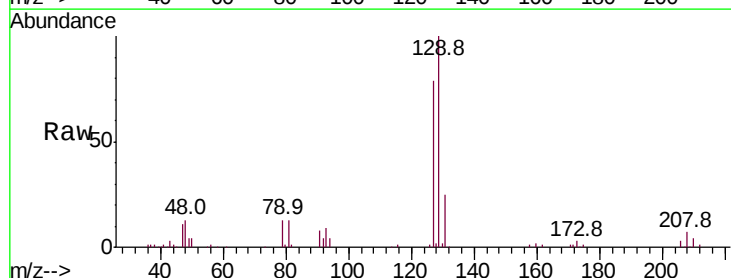
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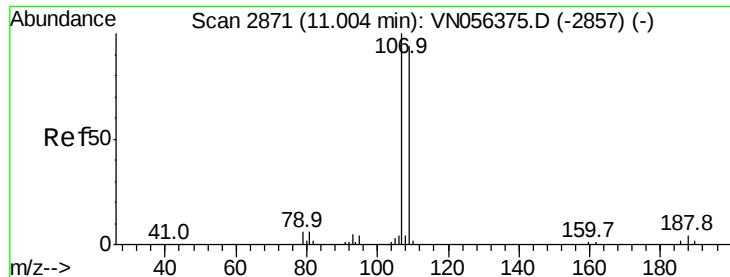
MMDadoda
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#60
Dibromochloromethane
Concen: 53.671 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056676.D
Acq: 11 Jul 2019 19:38

Tgt Ion: 129 Resp: 163072
Ion Ratio Lower Upper
129 100
127 77.4 38.9 116.7





#61

1,2-Dibromoethane

Concen: 53.741 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN056676.D

Acq: 11 Jul 2019 19:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 161696

Ion Ratio Lower Upper

107 100

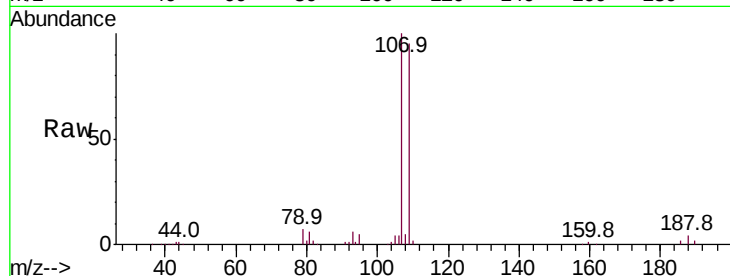
109 95.6 75.3 112.9

Manual Integrations

APPROVED

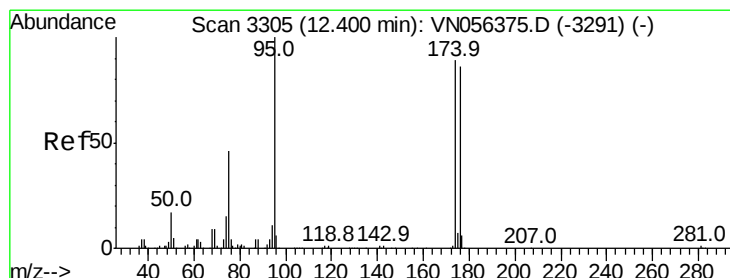
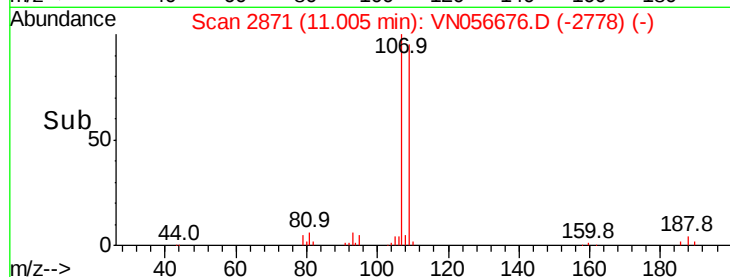
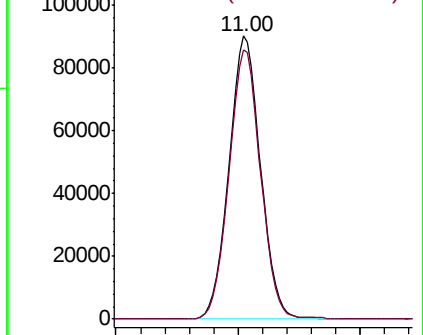
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 53.691 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056676.D

Acq: 11 Jul 2019 19:38

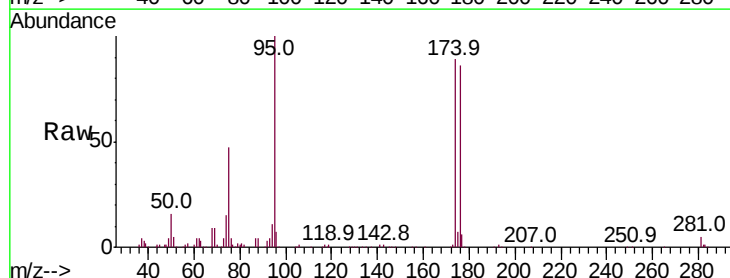
Tgt Ion: 95 Resp: 192366

Ion Ratio Lower Upper

95 100

174 89.5 0.0 179.4

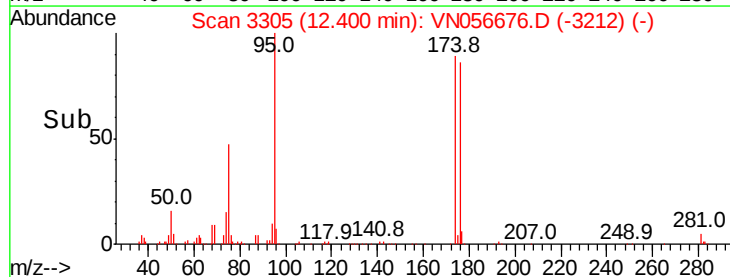
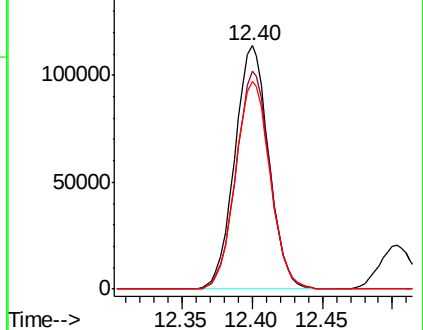
176 87.0 0.0 173.4

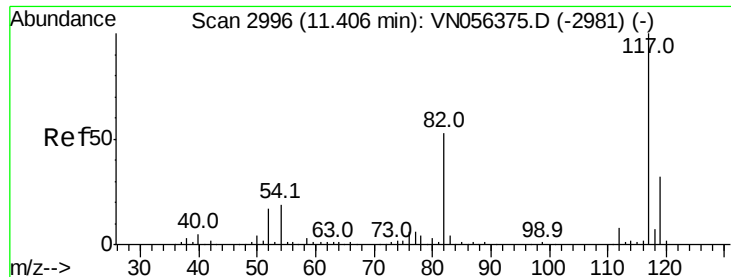


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





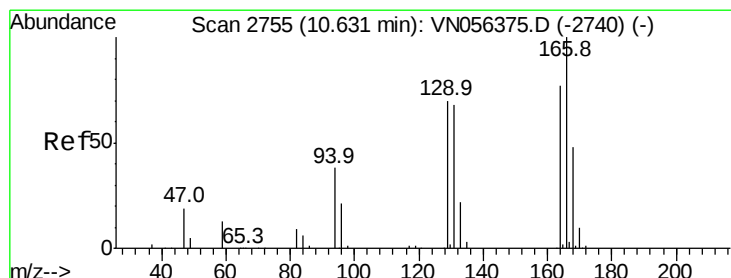
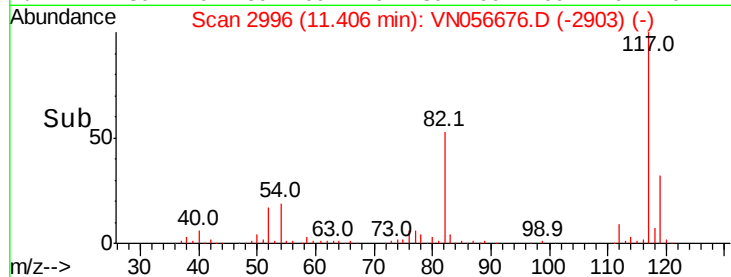
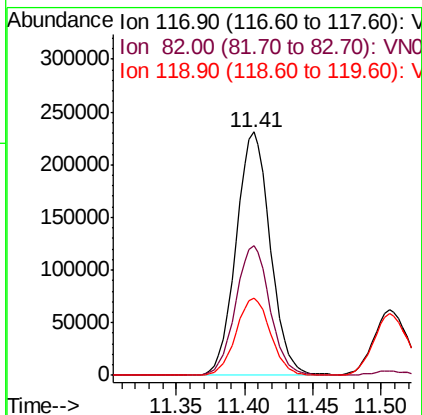
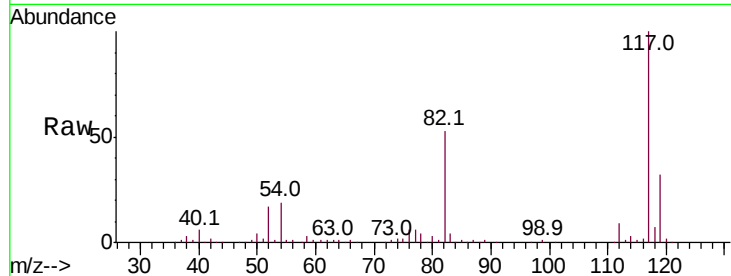
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056676.D
Acq: 11 Jul 2019 19:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.4	42.0	63.0
119	31.8	25.3	37.9

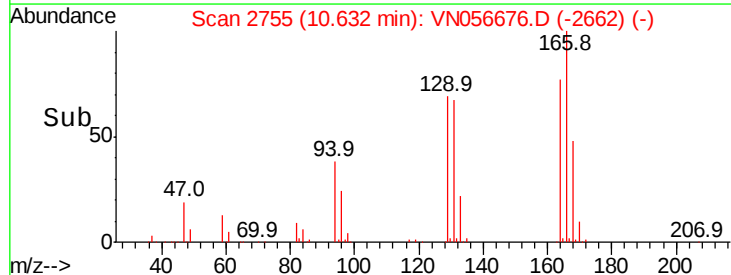
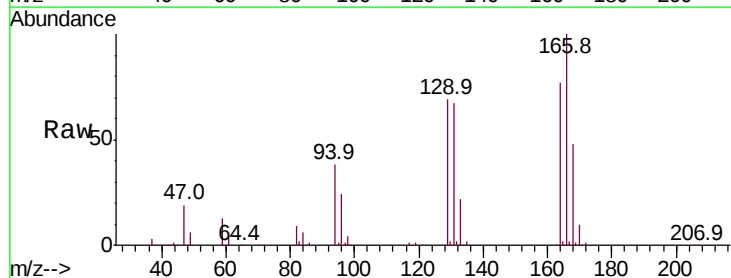
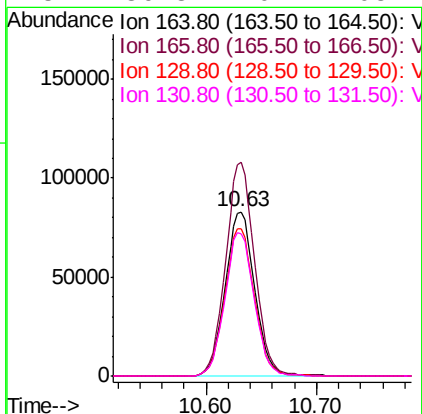
Manual Integrations
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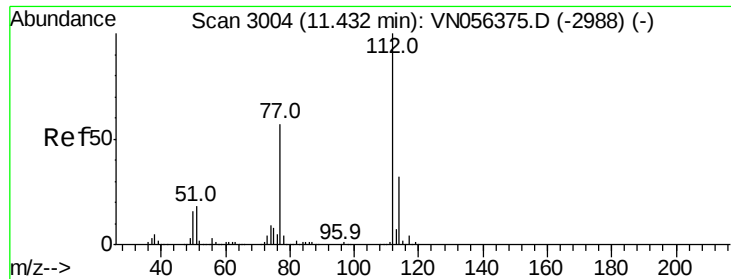
MMDadoda
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#64
Tetrachloroethene
Concen: 48.253 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056676.D
Acq: 11 Jul 2019 19:38

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.1	103.4	155.0
129	89.7	72.0	108.0
131	86.8	70.2	105.2





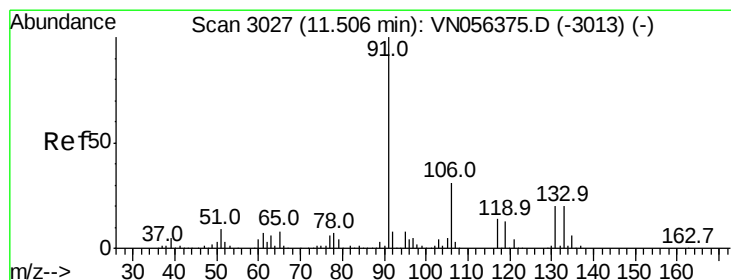
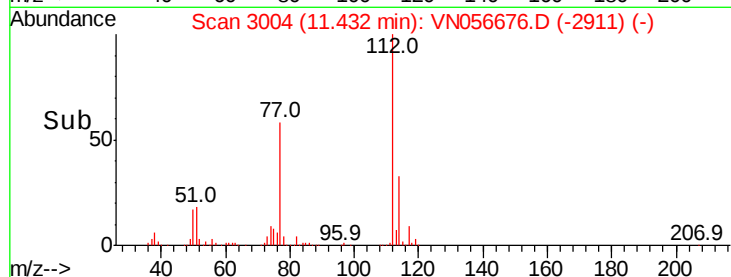
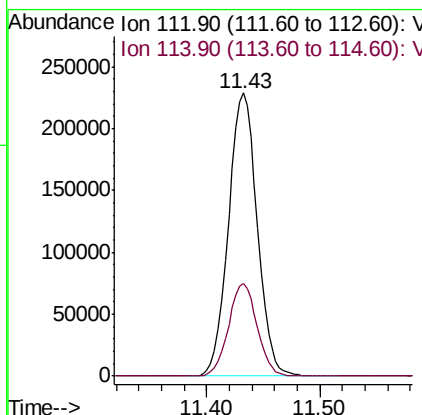
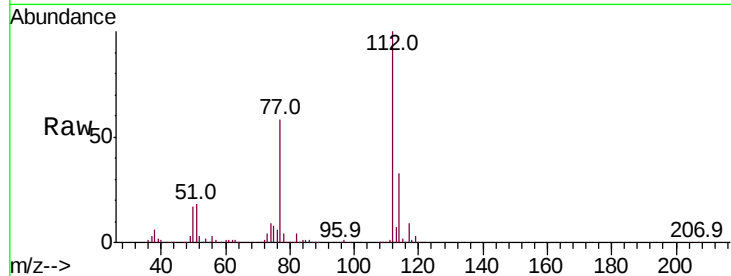
#65
Chlorobenzene
Concen: 50.171 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056676.D
Acq: 11 Jul 2019 19:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 404747
Ion Ratio Lower Upper
112 100
114 32.6 25.4 38.2

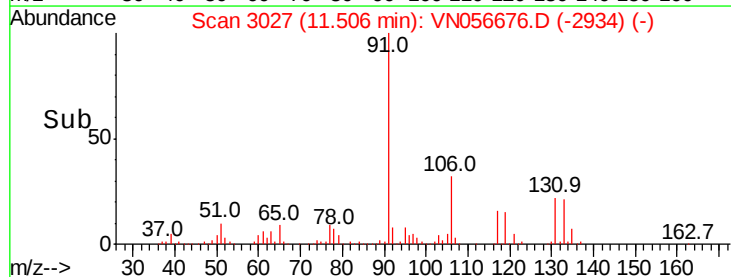
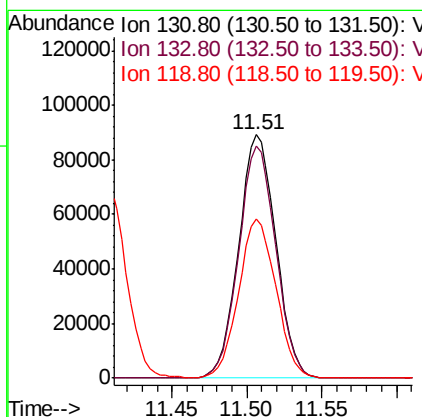
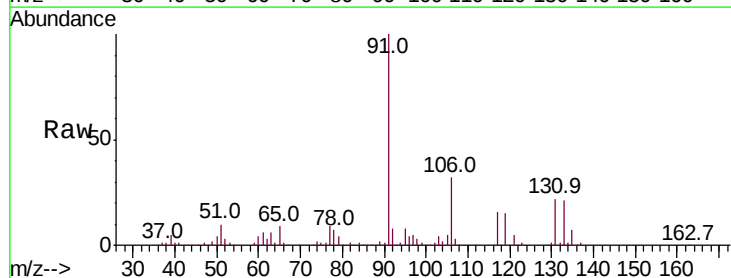
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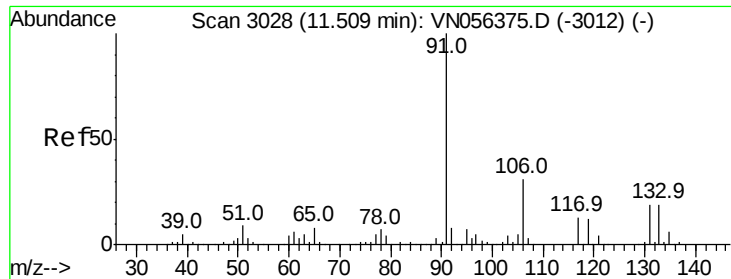
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 56.547 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN056676.D
Acq: 11 Jul 2019 19:38

Tgt Ion:131 Resp: 154179
Ion Ratio Lower Upper
131 100
133 95.3 47.4 142.2
119 65.9 32.8 98.4





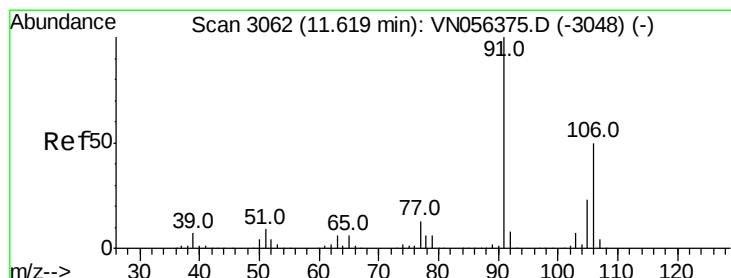
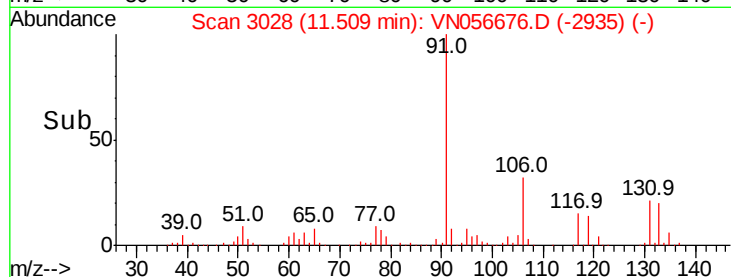
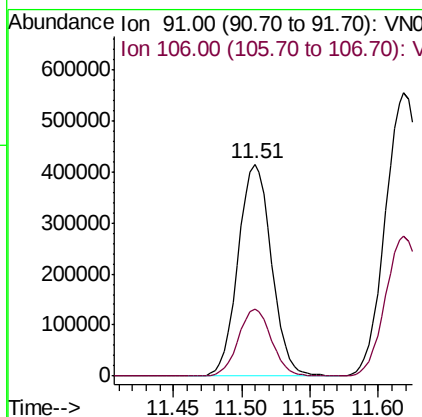
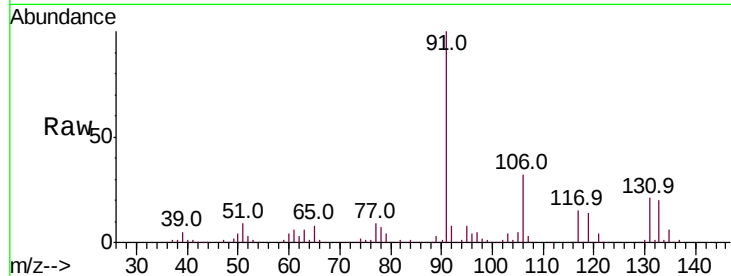
#67
Ethyl Benzene
Concen: 50.025 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056676.D
Acq: 11 Jul 2019 19:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 708612
Ion Ratio Lower Upper
91 100
106 31.7 25.1 37.7

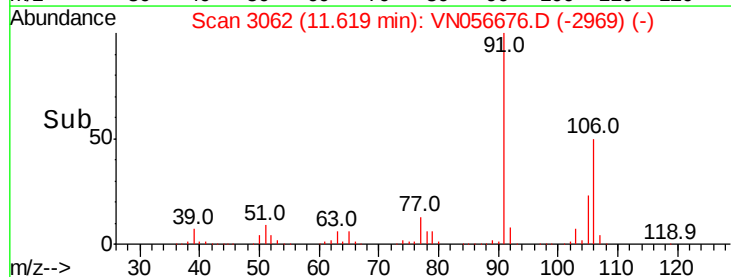
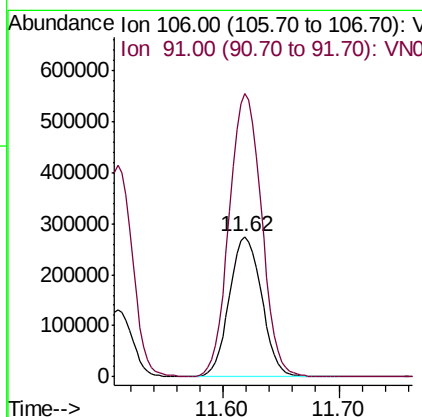
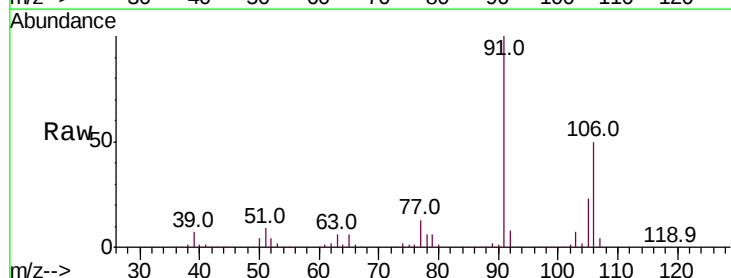
Manual Integrations
APPROVED

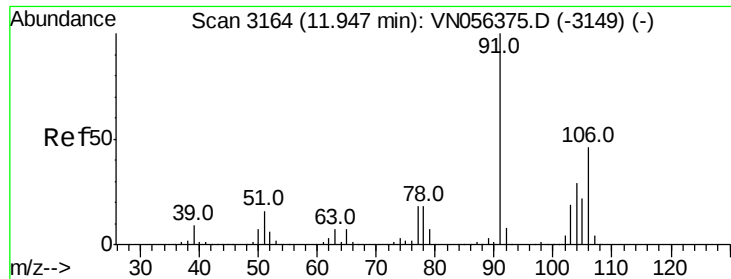
MMDadoda
7/12/2019 5:33:04 PM



#68
m/p-Xylenes
Concen: 102.691 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056676.D
Acq: 11 Jul 2019 19:38

Tgt Ion: 106 Resp: 533091
Ion Ratio Lower Upper
106 100
91 201.6 160.1 240.1





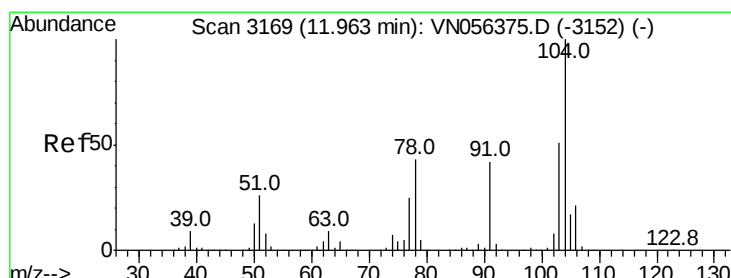
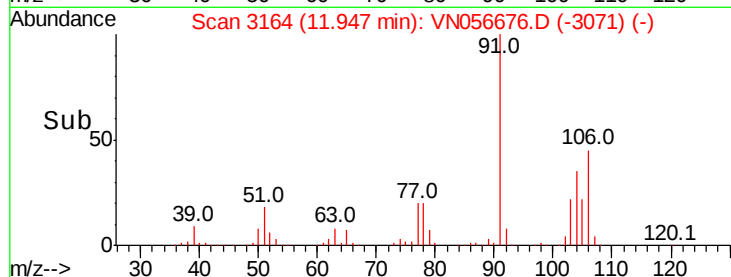
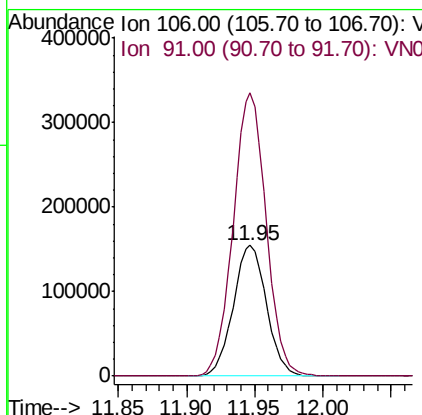
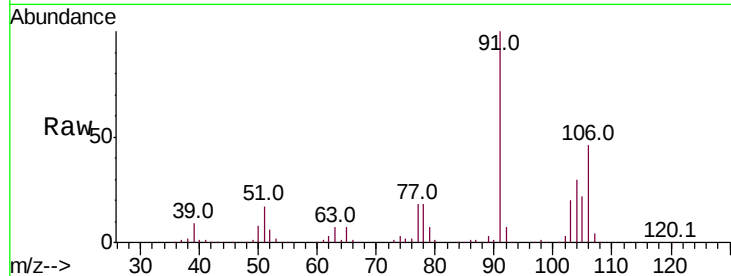
#69
o-Xylene
Concen: 50.968 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056676.D
Acq: 11 Jul 2019 19:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 261765
Ion Ratio Lower Upper
106 100
91 214.5 107.1 321.3

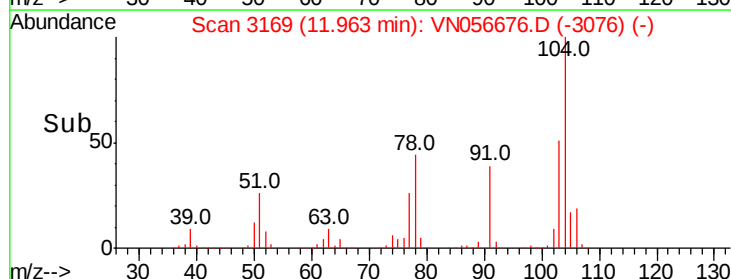
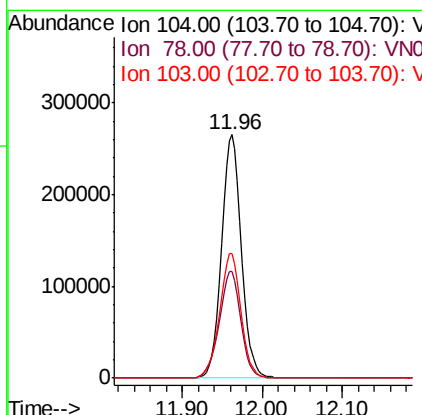
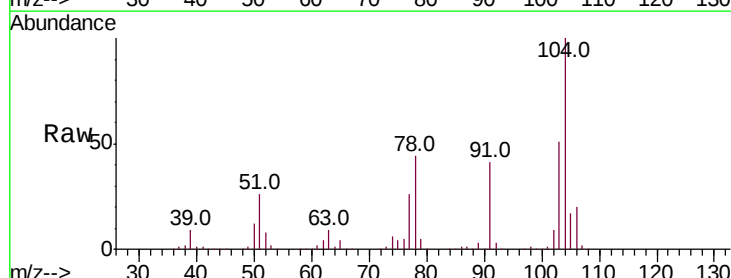
Manual Integrations
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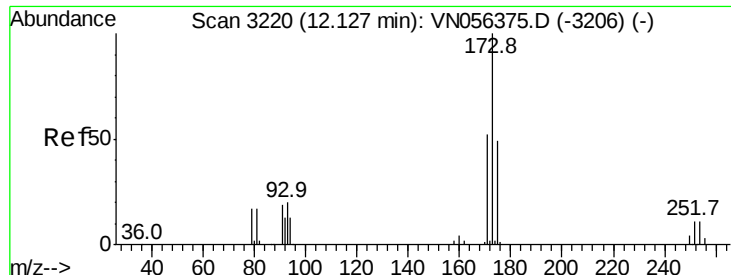
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#70
Styrene
Concen: 55.201 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056676.D
Acq: 11 Jul 2019 19:38

Tgt Ion:104 Resp: 453156
Ion Ratio Lower Upper
104 100
78 48.1 38.6 57.8
103 55.1 43.9 65.9





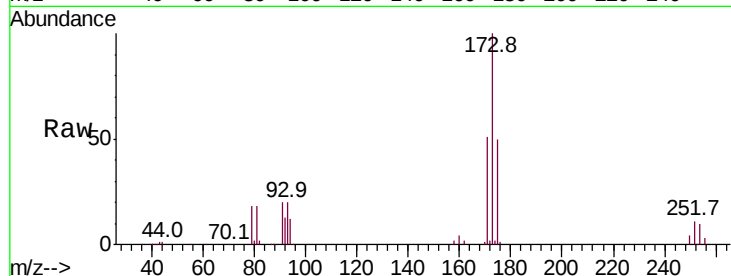
#71
Bromoform
Concen: 54.734 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056676.D
Acq: 11 Jul 2019 19:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

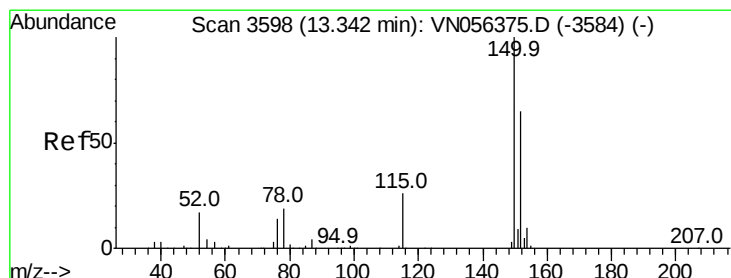
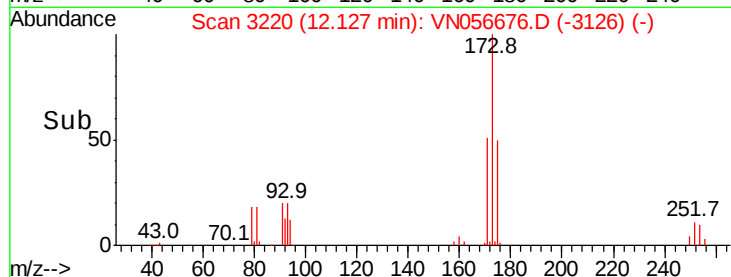
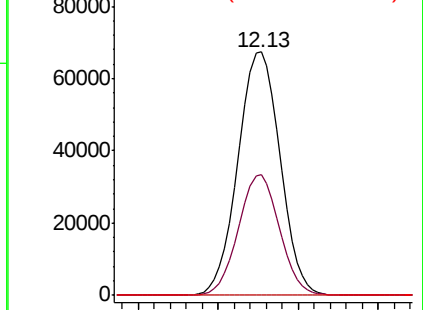
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.4	73.4
254	0.0	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
7/12/2019 5:33:04 PM

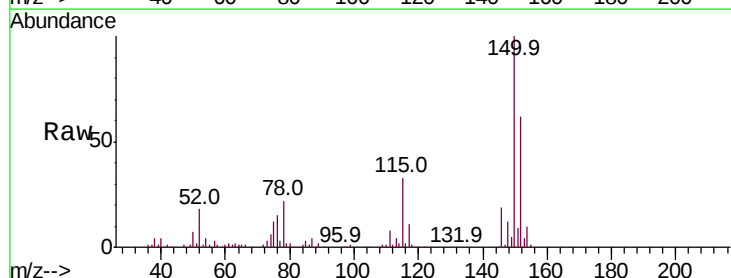


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

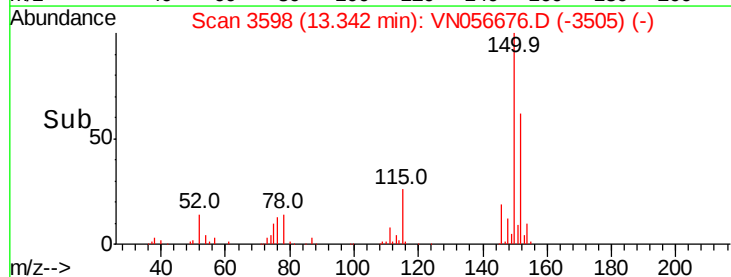
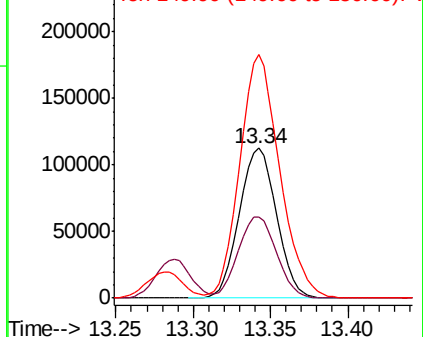


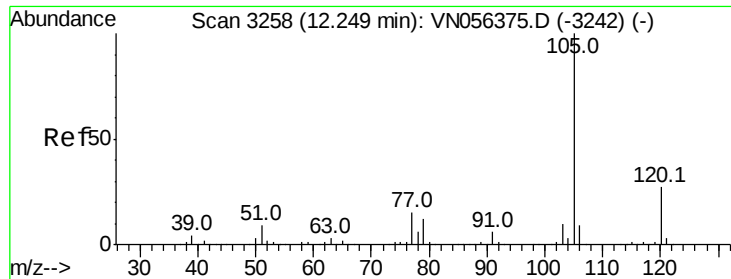
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056676.D
Acq: 11 Jul 2019 19:38

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.6	28.1	84.4
150	174.2	0.0	348.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.603 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056676.D

Acq: 11 Jul 2019 19:38

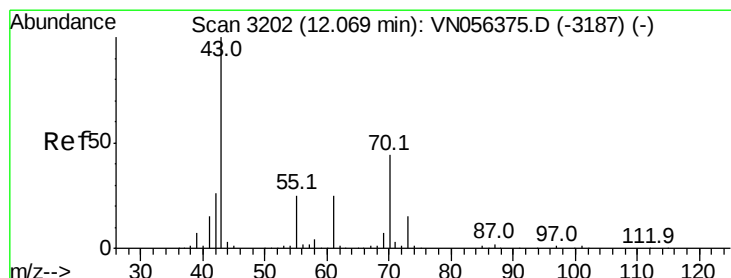
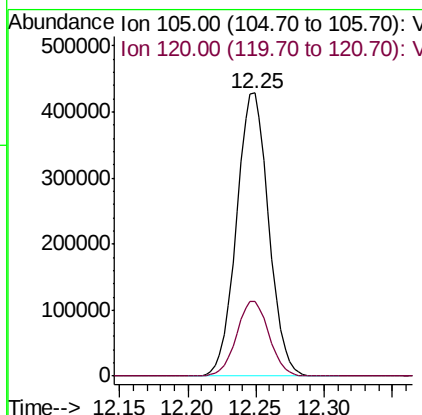
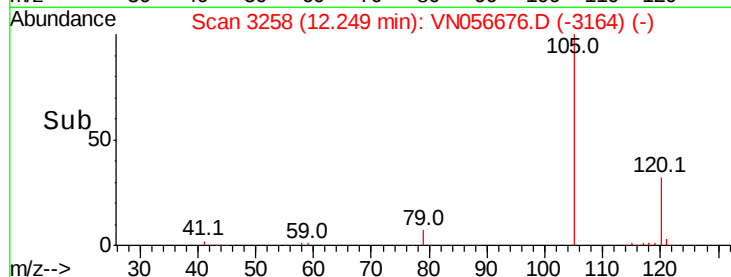
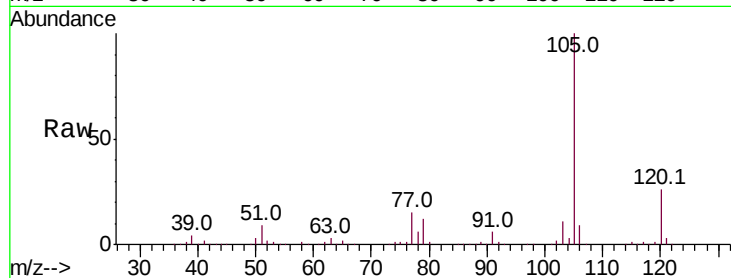
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 105 Resp: 701792

Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.4	40.2

Manual Integrations
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#74

N-ethyl acetate

Concen: 47.618 ug/l

RT: 12.07 min Scan# 3201

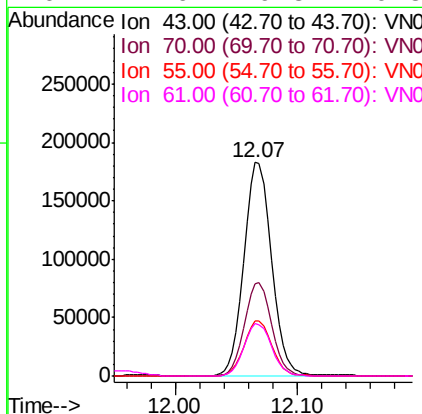
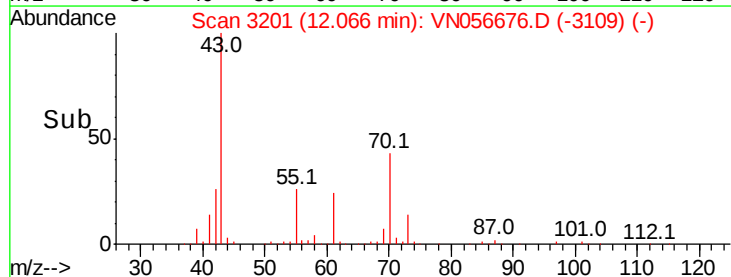
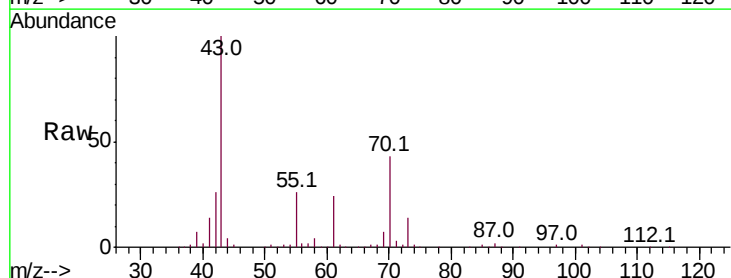
Delta R.T. -0.00 min

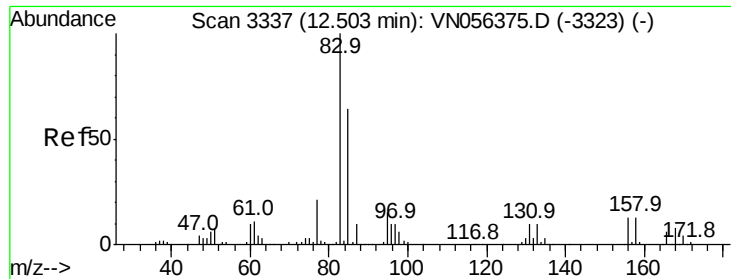
Lab File: VN056676.D

Acq: 11 Jul 2019 19:38

Tgt Ion: 43 Resp: 285347

Ion	Ratio	Lower	Upper
43	100		
70	42.8	34.9	52.3
55	26.0	20.4	30.6
61	24.6	19.8	29.8





#75

1,1,2,2-Tetrachloroethane

Concen: 54.650 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056676.D

Acq: 11 Jul 2019 19:38

Instrument :

MSVOA_N

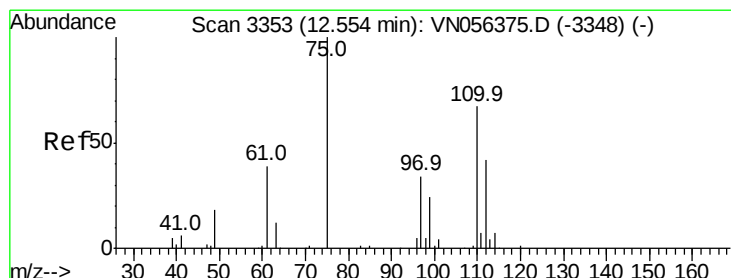
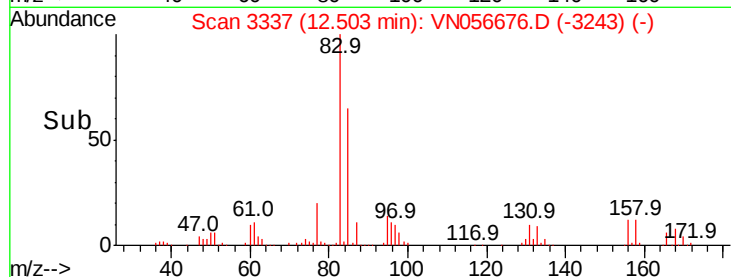
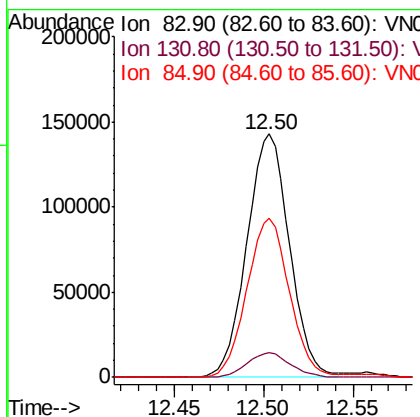
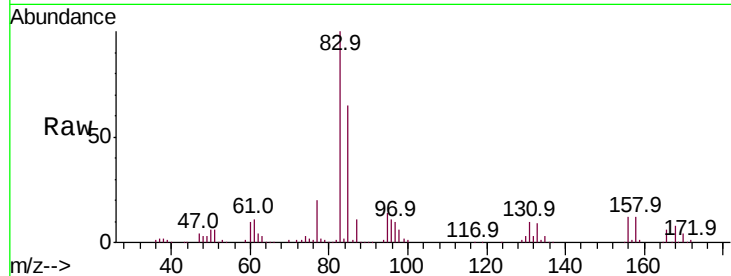
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	238016
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.3	15.8
85	65.1	32.4	97.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 53.650 ug/l m

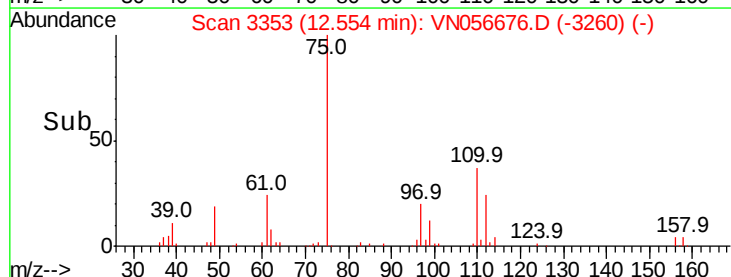
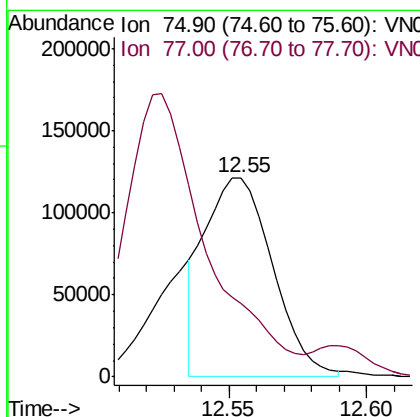
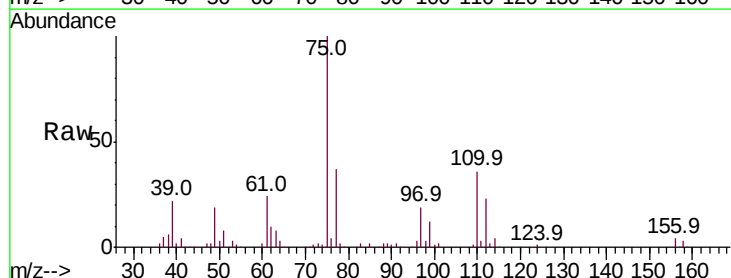
RT: 12.55 min Scan# 3353

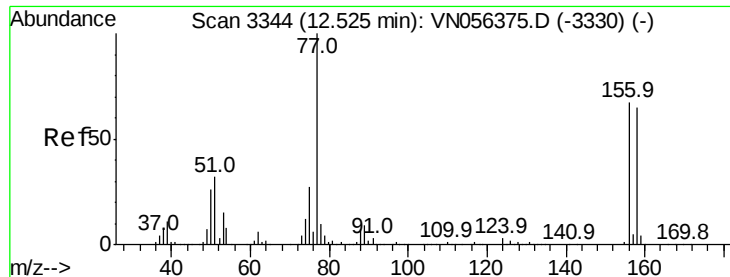
Delta R.T. 0.00 min

Lab File: VN056676.D

Acq: 11 Jul 2019 19:38

Tgt Ion:	75	Resp:	209458
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 44.489 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056676.D

Acq: 11 Jul 2019 19:38

Instrument :

MSVOA_N

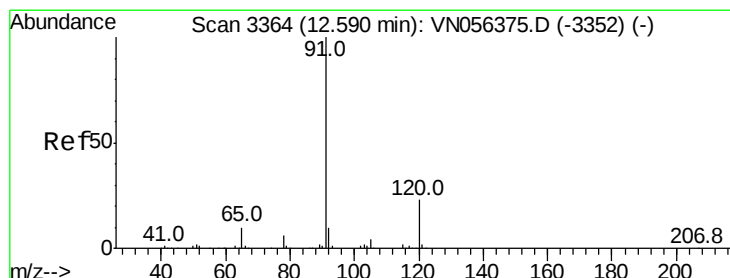
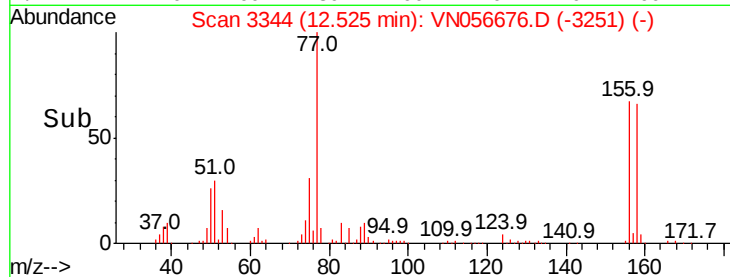
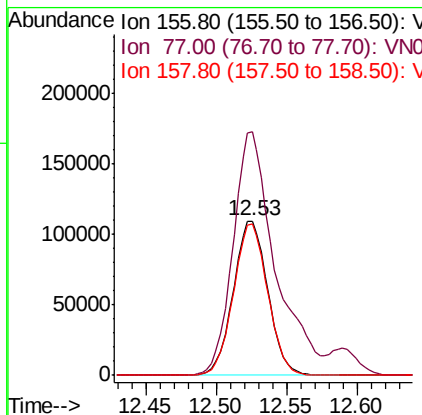
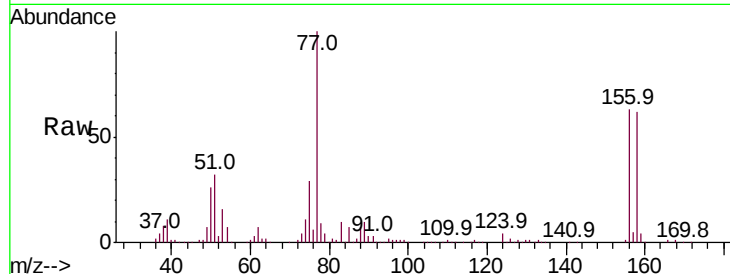
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	187301
Ion Ratio	Lower	Upper	
156	100		
77	192.9	92.5	277.3
158	97.2	48.7	146.1

Manual Integrations
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#78

n-propylbenzene

Concen: 45.469 ug/l

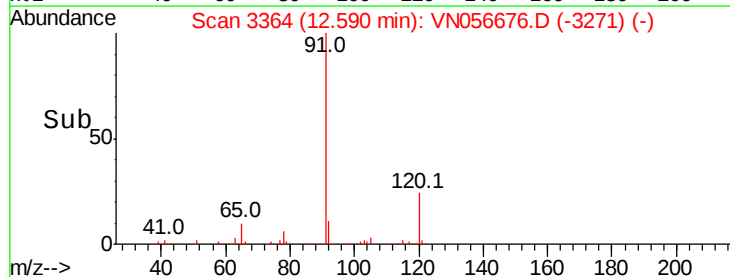
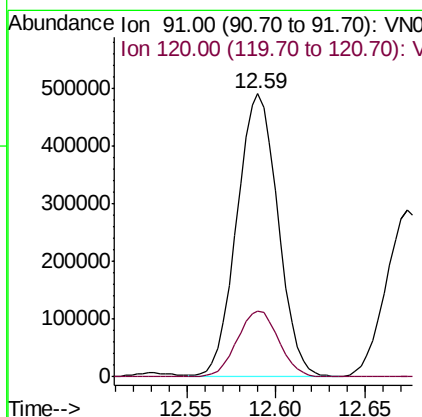
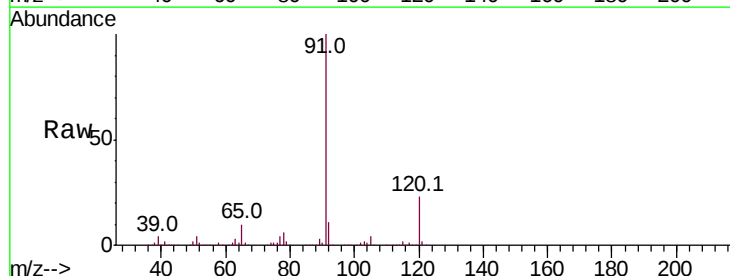
RT: 12.59 min Scan# 3364

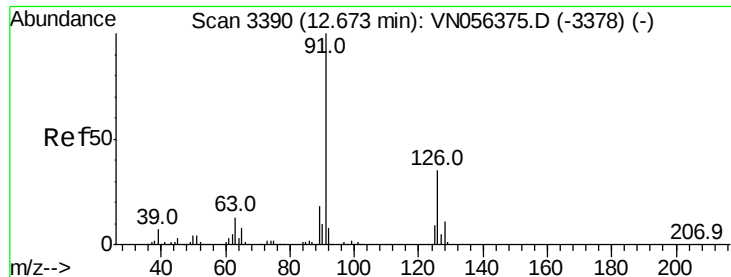
Delta R.T. 0.00 min

Lab File: VN056676.D

Acq: 11 Jul 2019 19:38

Tgt Ion:	91	Resp:	783998
Ion Ratio	Lower	Upper	
91	100		
120	23.5	11.8	35.4





#79

2-Chlorotoluene

Concen: 50.428 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056676.D

Acq: 11 Jul 2019 19:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 476579

Ion Ratio Lower Upper

91 100

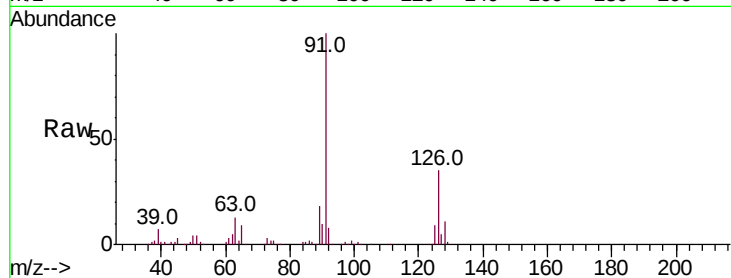
126 35.2 17.6 52.8

Manual Integrations

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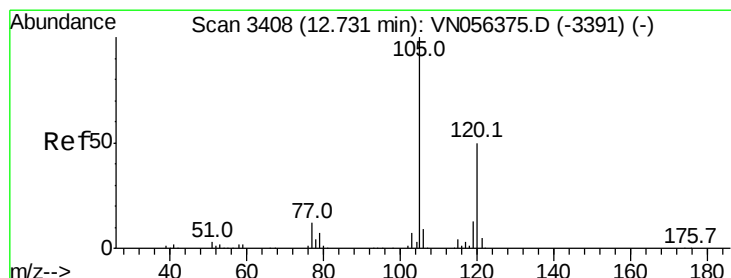
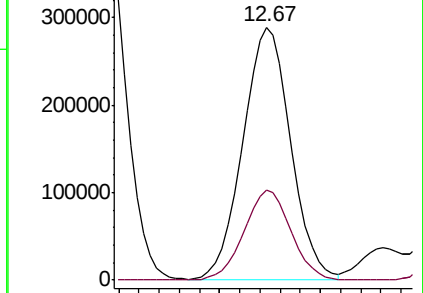
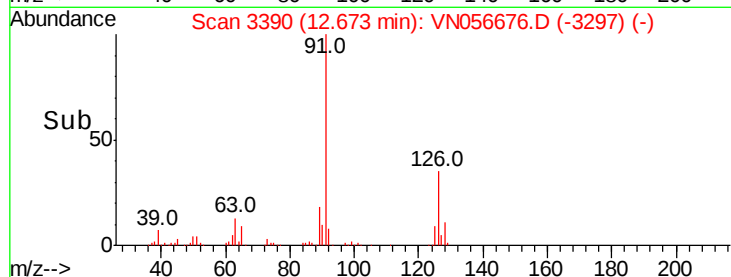
7/12/2019 5:33:04 PM



Abundance Ion 91.00 (90.70 to 91.70): VN056676.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN056676.D (-3378) (-)

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 50.509 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056676.D

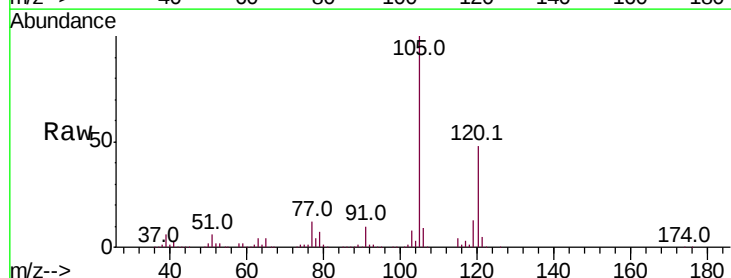
Acq: 11 Jul 2019 19:38

Tgt Ion: 105 Resp: 598237

Ion Ratio Lower Upper

105 100

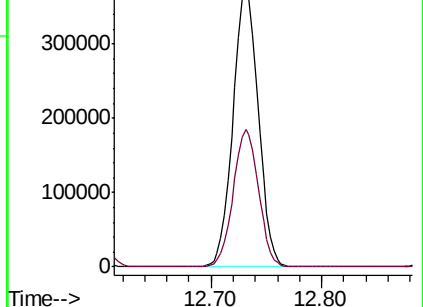
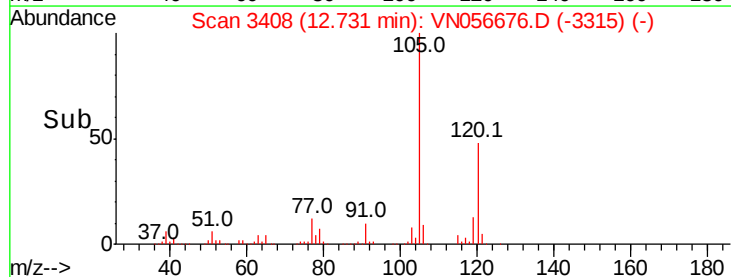
120 49.3 24.8 74.4

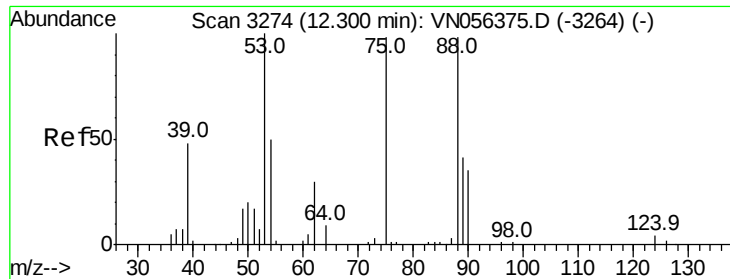


Abundance Ion 105.00 (104.70 to 105.70): VN056676.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN056676.D (-3391) (-)

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 59.142 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056676.D

Acq: 11 Jul 2019 19:38

Instrument :

MSVOA_N

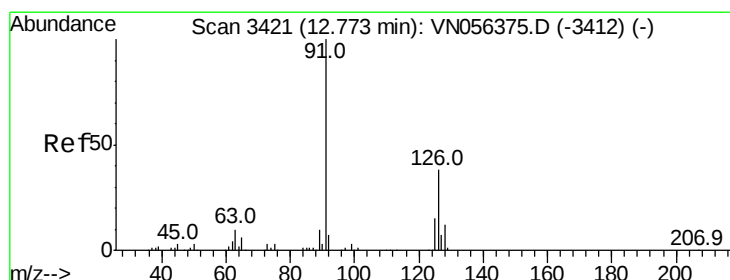
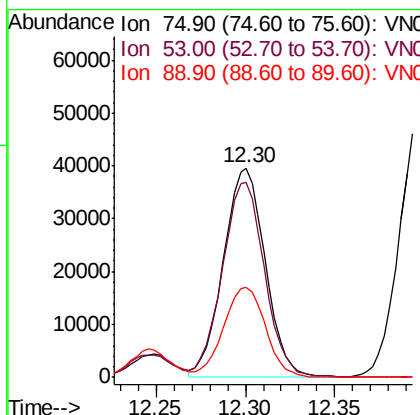
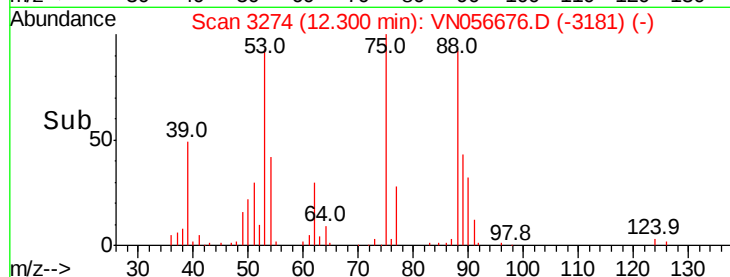
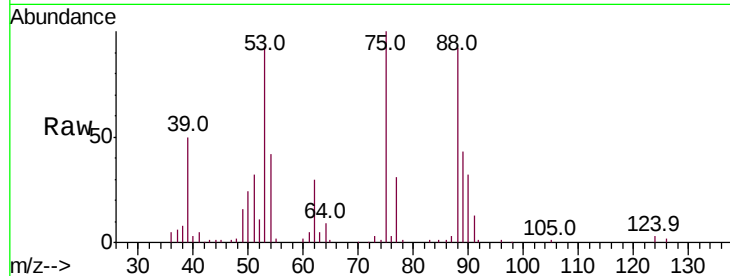
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	64966
Ion	Ratio	Lower	Upper
75	100		
53	93.8	83.9	125.9
89	43.2	35.0	52.6

Manual Integrations
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#82

4-Chlorotoluene

Concen: 46.314 ug/l

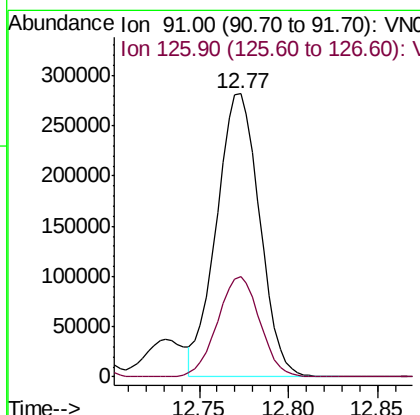
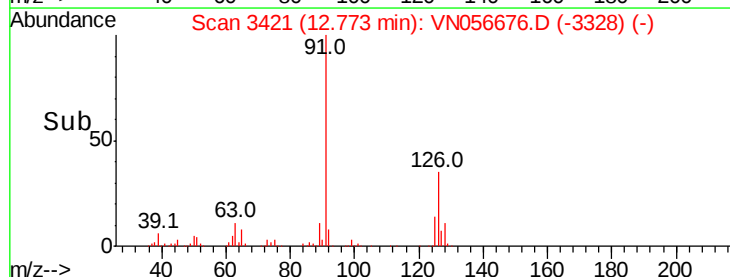
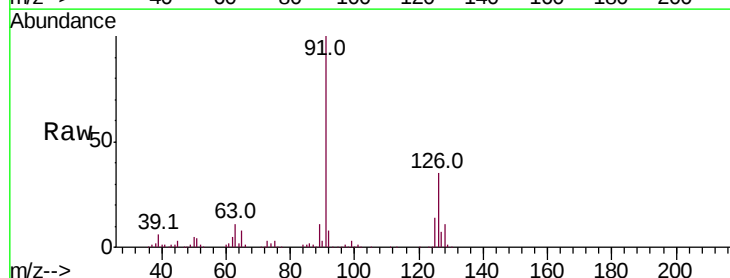
RT: 12.77 min Scan# 3421

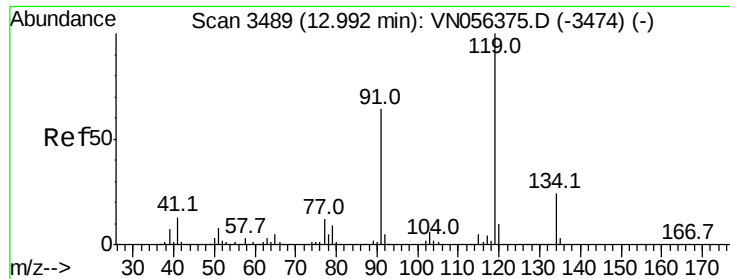
Delta R.T. 0.00 min

Lab File: VN056676.D

Acq: 11 Jul 2019 19:38

Tgt Ion:	91	Resp:	471504
Ion	Ratio	Lower	Upper
91	100		
126	35.0	17.3	52.0





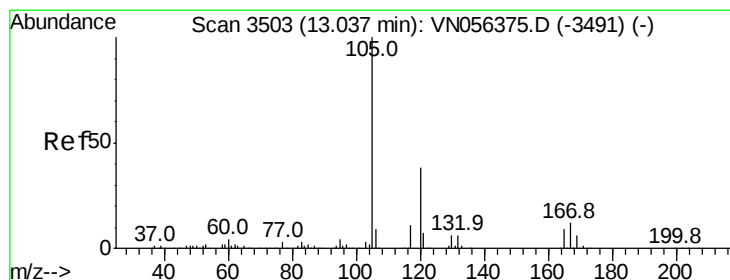
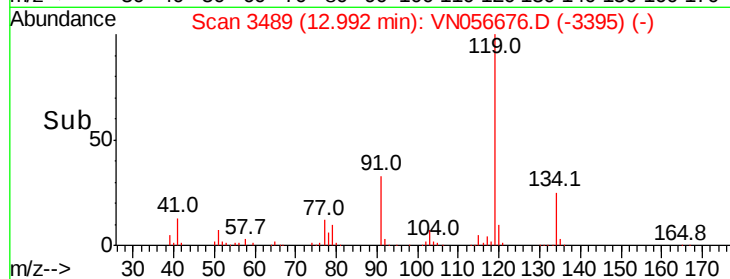
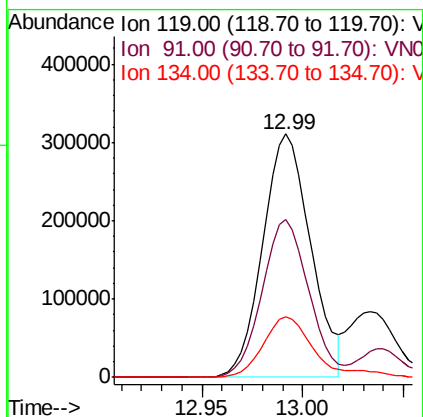
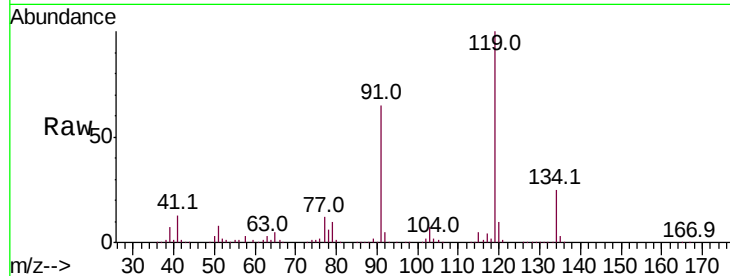
#83
tert-Butylbenzene
Concen: 49.659 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056676.D
Acq: 11 Jul 2019 19:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.4	31.6	94.7
134	26.7	13.2	39.5

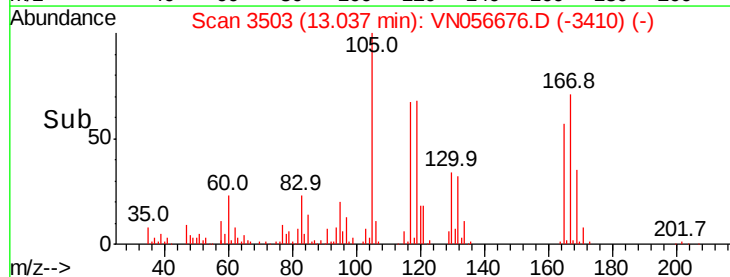
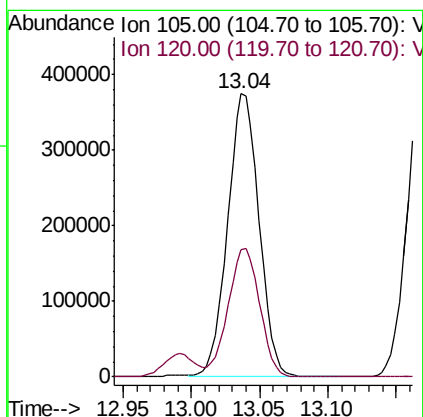
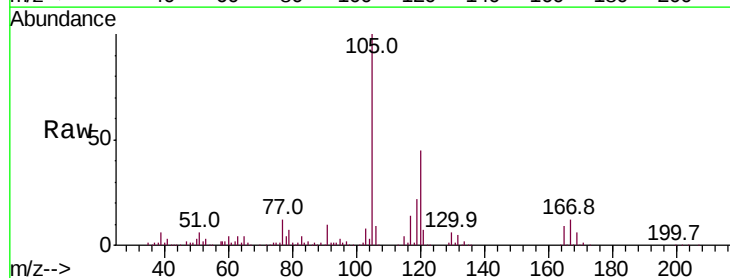
Manual Integrations
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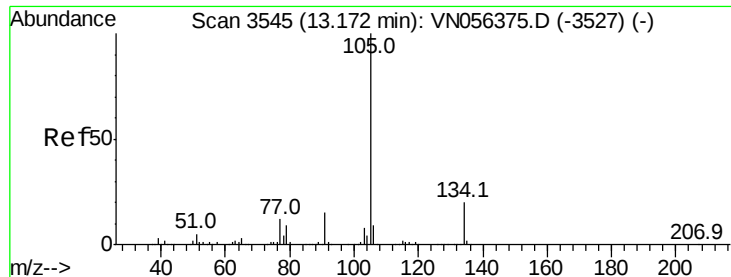
MMDadoda
7/12/2019 5:33:04 PM



#84
1,2,4-Trimethylbenzene
Concen: 47.187 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN056676.D
Acq: 11 Jul 2019 19:38

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	22.9	68.8





#85

sec-Butylbenzene

Concen: 44.751 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056676.D

Acq: 11 Jul 2019 19:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 678199

Ion Ratio Lower Upper

105 100

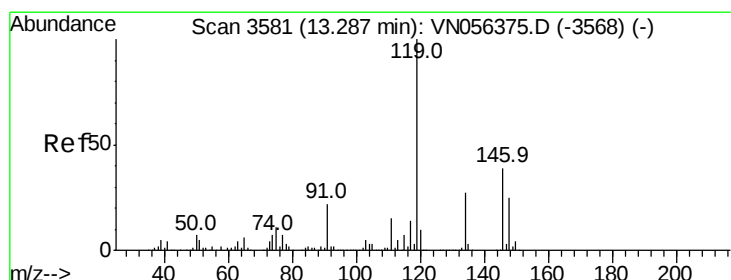
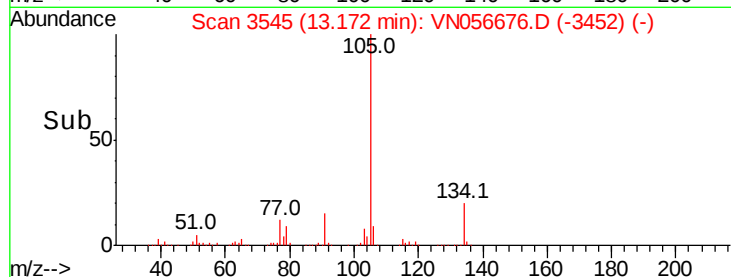
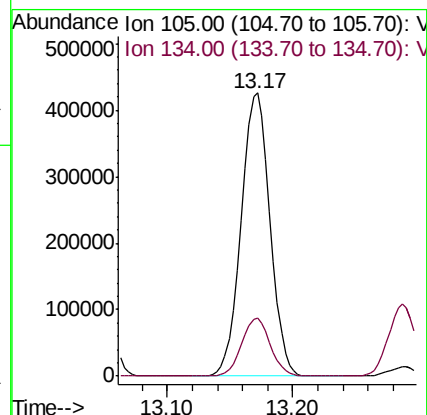
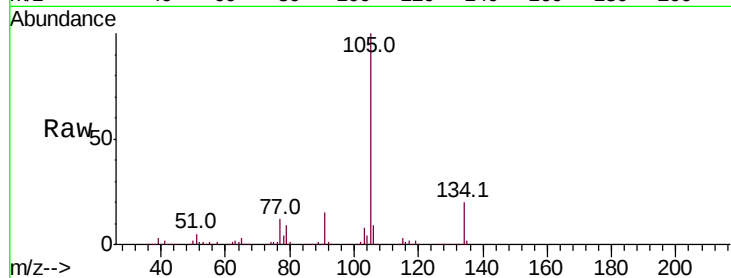
134 20.3 10.2 30.4

Manual Integrations

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7/12/2019 5:33:04 PM



#86

p-Isopropyltoluene

Concen: 47.746 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056676.D

Acq: 11 Jul 2019 19:38

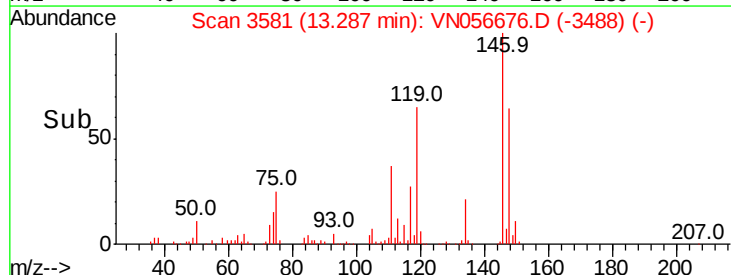
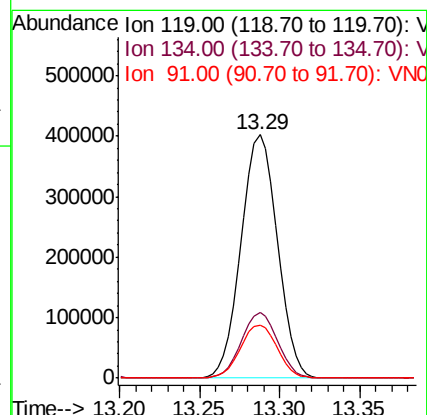
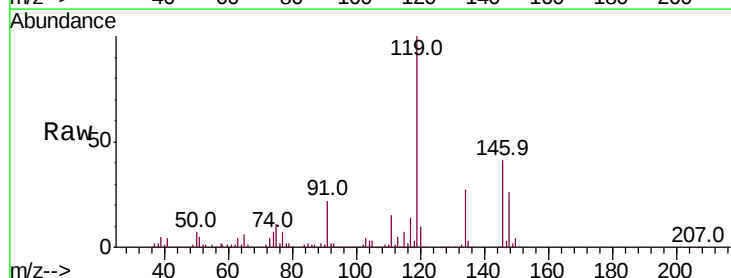
Tgt Ion:119 Resp: 620991

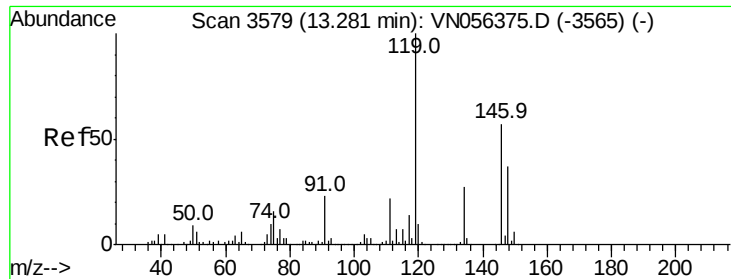
Ion Ratio Lower Upper

119 100

134 26.8 13.5 40.4

91 22.1 11.2 33.5





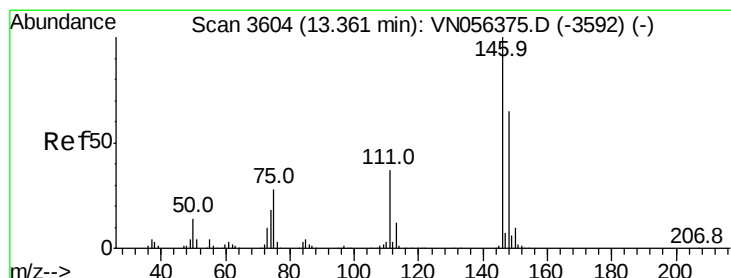
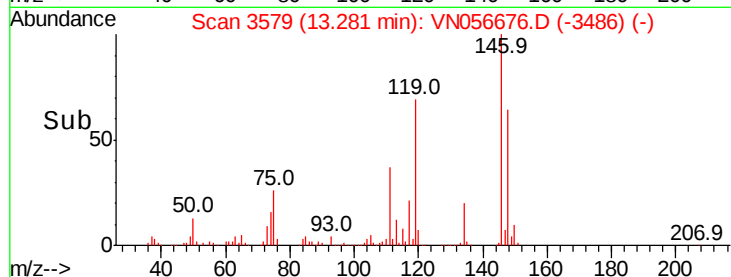
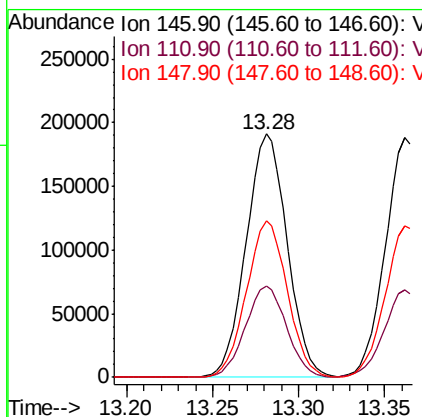
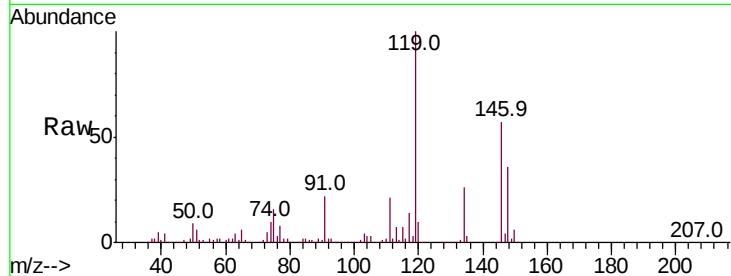
#87
 1,3-Dichlorobenzene
 Concen: 49.556 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056676.D
 Acq: 11 Jul 2019 19:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.9	56.9
148	64.0	32.1	96.5

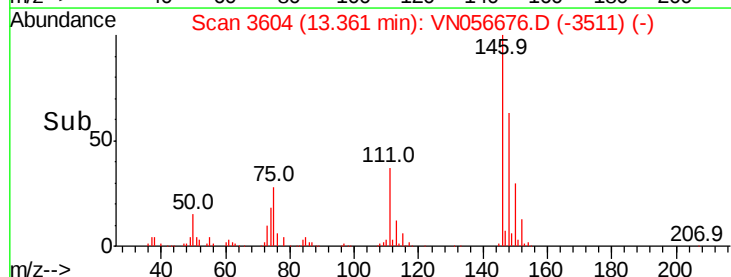
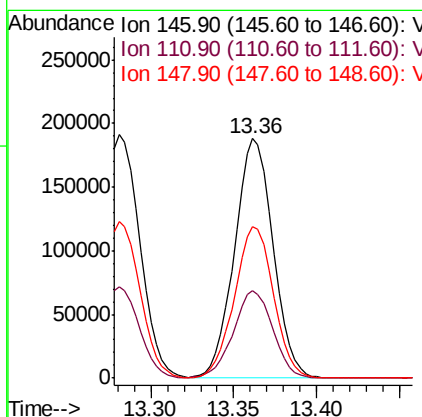
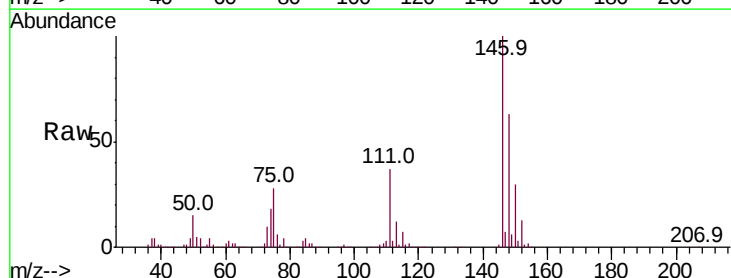
Manual Integrations
 APPROVED

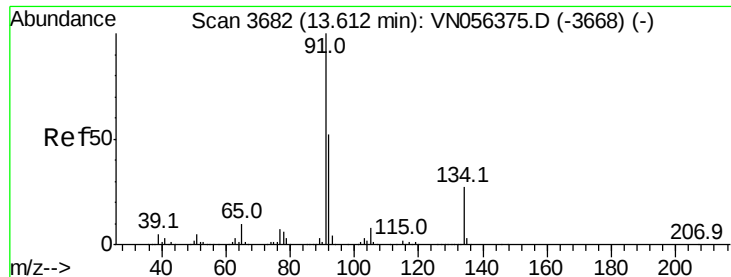
MMDadoda
 7/12/2019 5:33:04 PM



#88
 1,4-Dichlorobenzene
 Concen: 49.174 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056676.D
 Acq: 11 Jul 2019 19:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.4	55.4
148	64.3	32.4	97.0





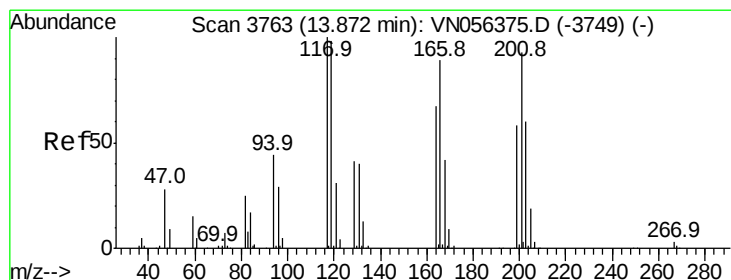
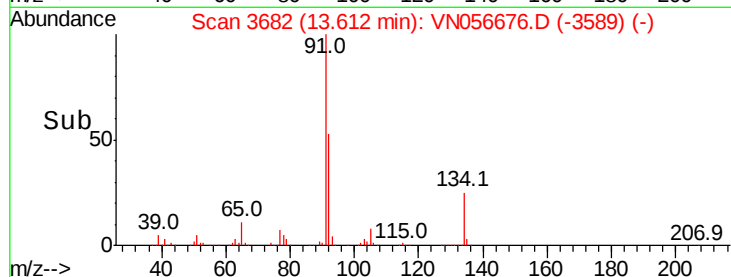
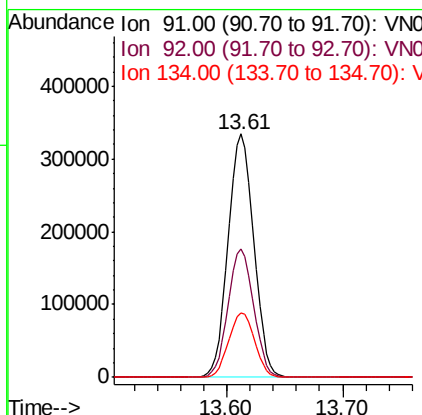
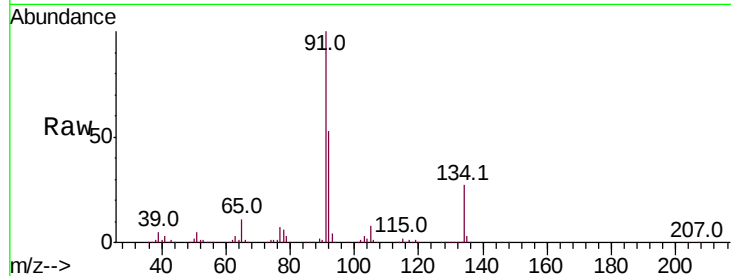
#89
n-Butylbenzene
Concen: 51.660 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056676.D
Acq: 11 Jul 2019 19:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.2	78.5
134	26.8	13.4	40.2

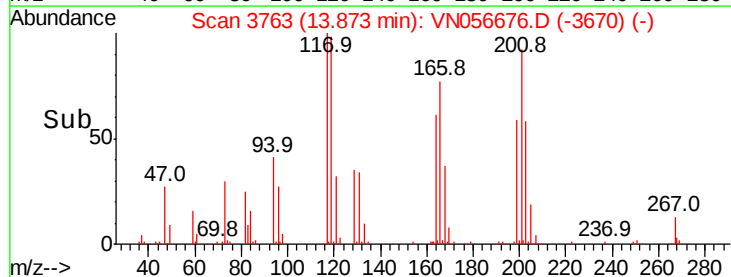
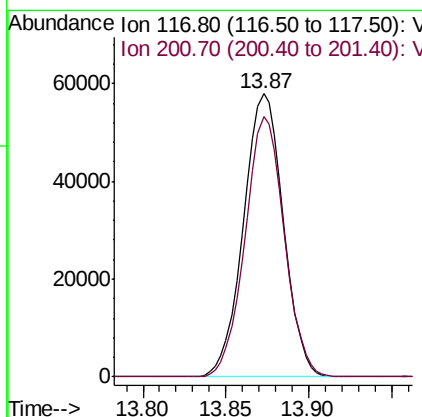
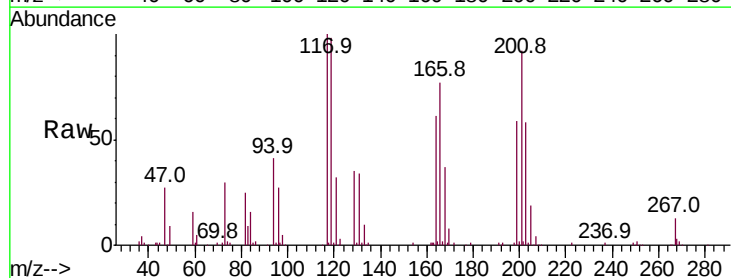
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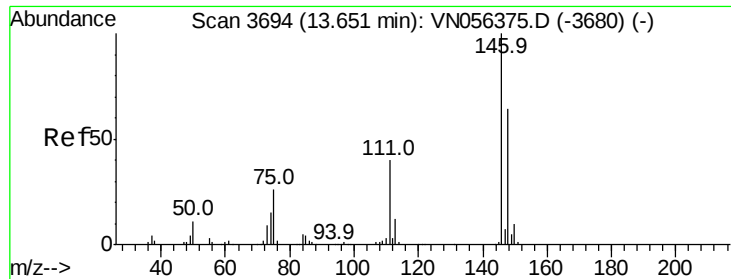
MMDadoda
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#90
Hexachloroethane
Concen: 47.892 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056676.D
Acq: 11 Jul 2019 19:38

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.3	45.9	137.6





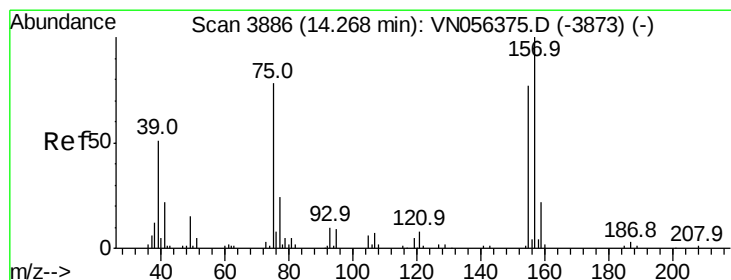
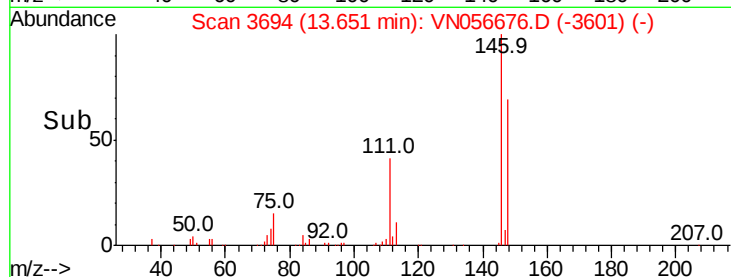
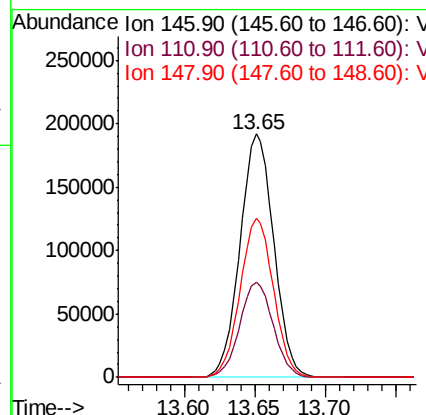
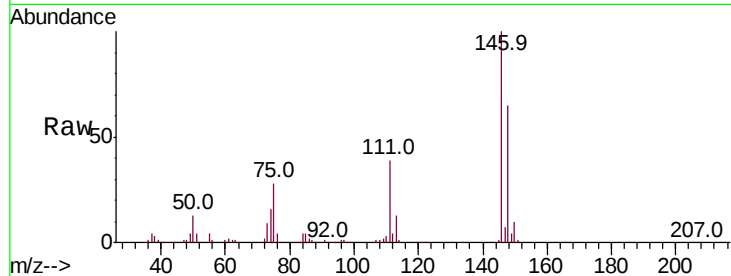
#91
 1,2-Dichlorobenzene
 Concen: 50.815 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN056676.D
 Acq: 11 Jul 2019 19:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.3	57.9
148	64.6	32.0	96.0

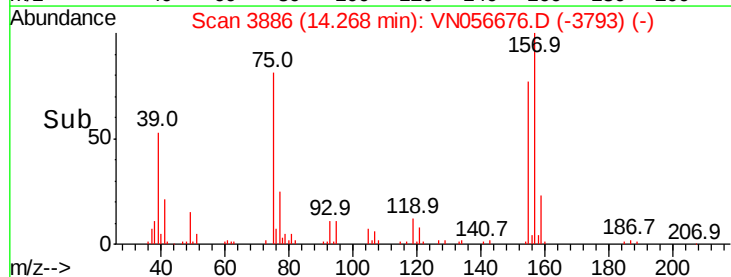
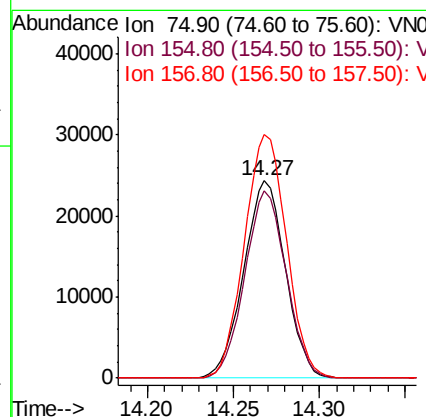
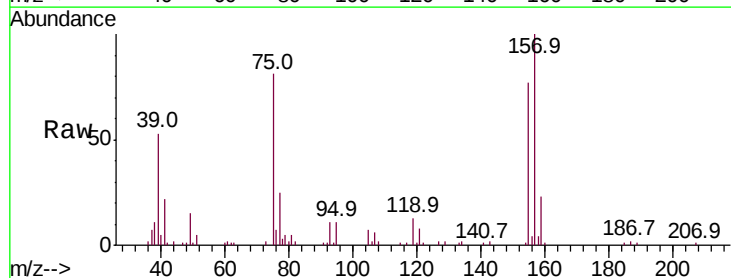
Manual Integrations
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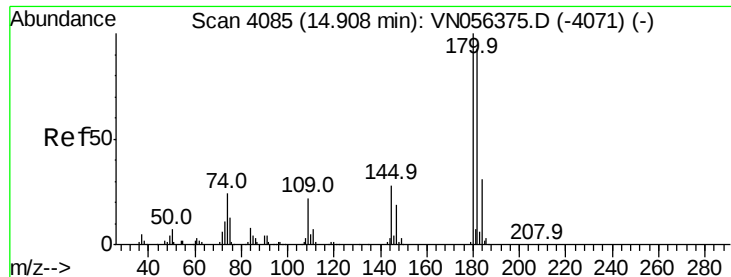
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 58.817 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056676.D
 Acq: 11 Jul 2019 19:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.1	48.9	146.8
157	124.2	62.9	188.8





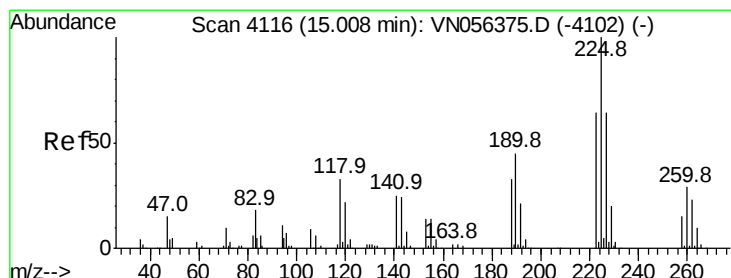
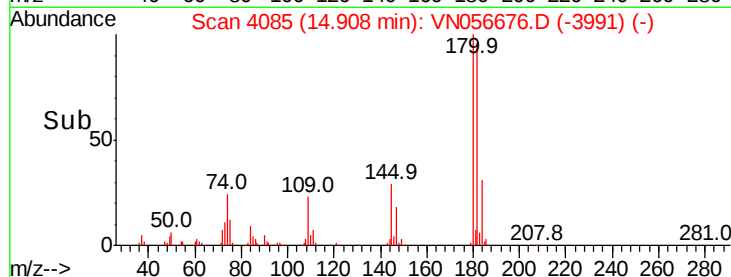
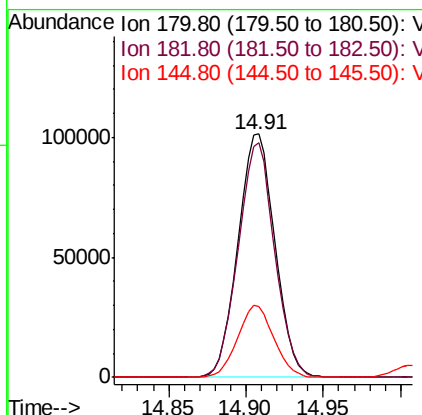
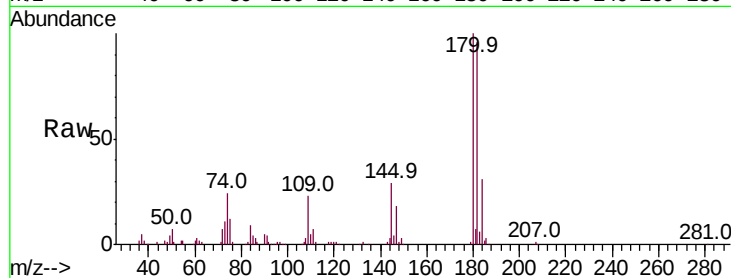
#93
 1,2,4-Trichlorobenzene
 Concen: 50.946 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056676.D
 Acq: 11 Jul 2019 19:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.0	46.9	140.6	
145	28.9	14.4	43.0	

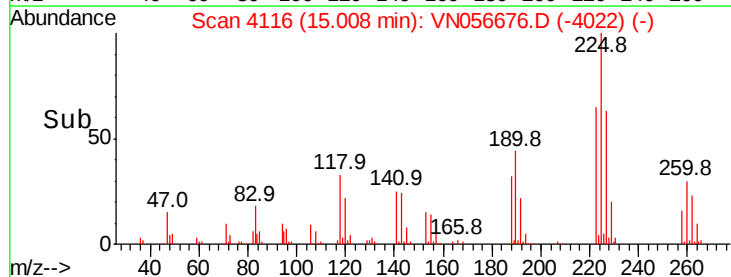
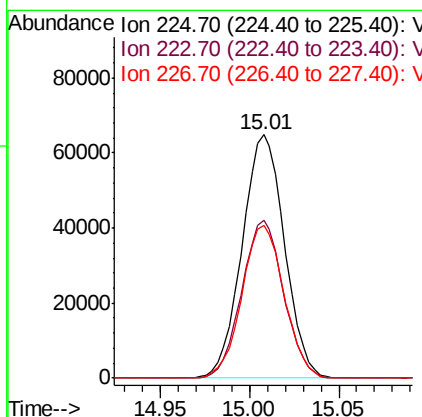
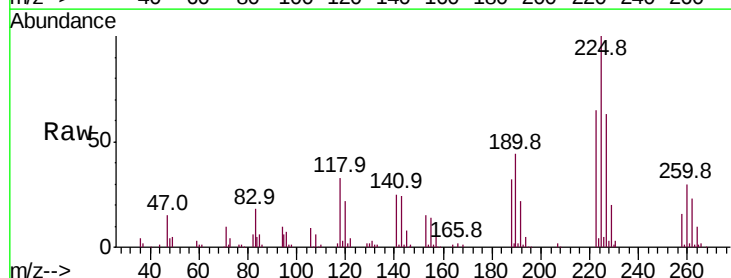
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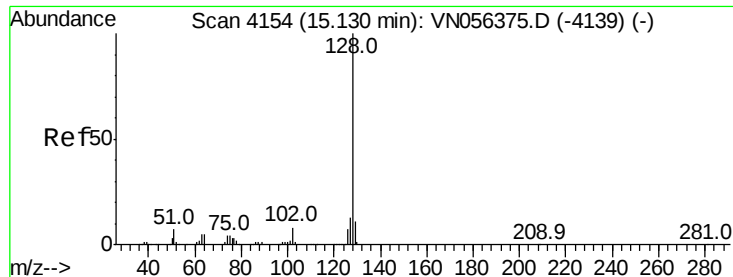
MMDadoda
 7/12/2019 5:33:04 PM



#94
 Hexachlorobutadiene
 Concen: 49.958 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056676.D
 Acq: 11 Jul 2019 19:38

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	64.3	31.4	94.3	
227	62.7	32.1	96.3	





#95

Naphthalene

Concen: 51.990 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056676.D

Acq: 11 Jul 2019 19:38

Instrument :

MSVOA_N

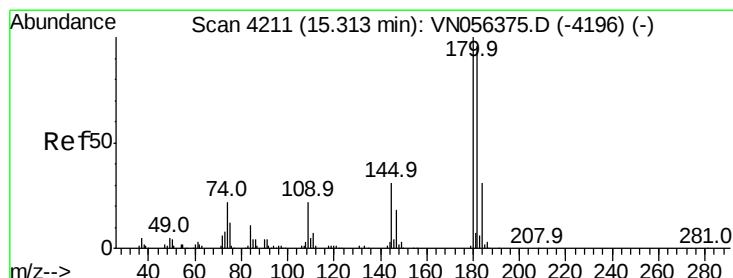
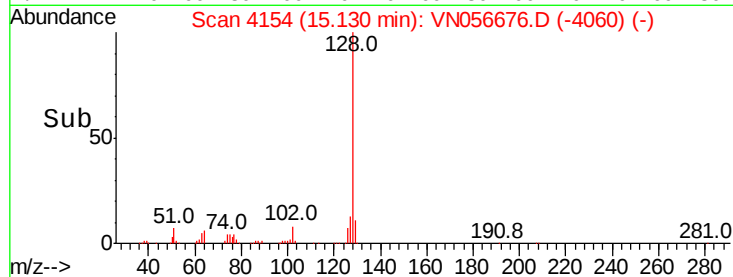
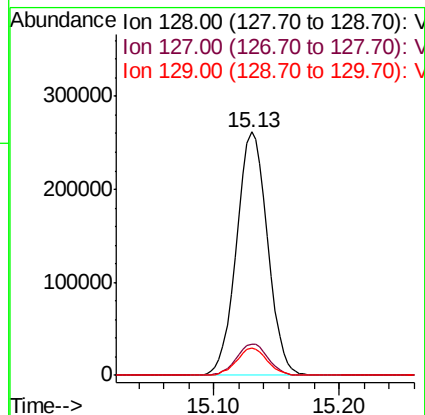
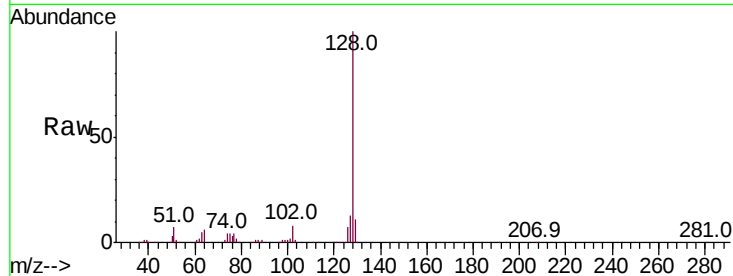
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	449919
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.2	15.2
129	11.0	8.6	12.8

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 50.319 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056676.D

Acq: 11 Jul 2019 19:38

Tgt Ion:	180	Resp:	171982
Ion Ratio	Lower	Upper	
180	100		
182	96.4	48.3	144.8
145	29.7	15.4	46.1

