

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070419\
 Data File : VN056593.D
 Acq On : 3 Jul 2019 18:38
 Operator : JC/SP
 Sample : VN0704WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0704WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/8/2019 10:08:08 AM

Quant Time: Jul 03 23:22:11 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	7.67	168	274899	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	422977	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	374324	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	158976	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	156292	51.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.60%	
35) Dibromofluoromethane	7.59	113	135408	51.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.64%	
50) Toluene-d8	10.09	98	507356	49.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.82%	
62) 4-Bromofluorobenzene	12.40	95	170912	49.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.86%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	44020	18.911	ug/l	100
3) Chloromethane	2.06	50	59743	18.850	ug/l	95
4) Vinyl Chloride	2.18	62	57964	18.935	ug/l	99
5) Bromomethane	2.53	94	35476m	19.768	ug/l	
6) Chloroethane	2.68	64	32332	18.238	ug/l	96
7) Trichlorofluoromethane	3.00	101	79377	20.046	ug/l	100
8) Diethyl Ether	3.41	74	34573	20.630	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	51161	20.260	ug/l	98
10) Methyl Iodide	3.95	142	62692	18.369	ug/l	98
11) Tert butyl alcohol	4.80	59	63414	123.578	ug/l	98
12) 1,1-Dichloroethene	3.73	96	47695	19.640	ug/l	96
13) Acrolein	3.60	56	23257	53.775	ug/l	96
14) Allyl chloride	4.32	41	82575	20.427	ug/l	99
15) Acrylonitrile	4.99	53	157917	111.239	ug/l	99
16) Acetone	3.82	43	135228	88.590	ug/l	99
17) Carbon Disulfide	4.05	76	88034	15.938	ug/l	99
18) Methyl Acetate	4.33	43	71199	23.352	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	171130	21.297	ug/l	99
20) Methylene Chloride	4.55	84	59134	20.016	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	50267	19.199	ug/l	97
22) Diisopropyl ether	5.95	45	189655	22.340	ug/l	99
23) Vinyl Acetate	5.90	43	755380	112.810	ug/l	100
24) 1,1-Dichloroethane	5.85	63	103593	21.257	ug/l	99
25) 2-Butanone	6.84	43	217167	107.494	ug/l	100
26) 2,2-Dichloropropane	6.83	77	65682	19.379	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	63313	20.669	ug/l	99
28) Bromochloromethane	7.19	49	50241	20.843	ug/l	97
29) Tetrahydrofuran	7.21	42	143828	116.498	ug/l	99
30) Chloroform	7.37	83	103050	21.430	ug/l	98
31) Cyclohexane	7.65	56	90340	19.202	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	79241	20.789	ug/l	99
36) 1,1-Dichloropropene	7.79	75	72946	19.594	ug/l	99
37) Ethyl Acetate	6.93	43	85399	23.341	ug/l	99
38) Carbon Tetrachloride	7.77	117	64955	19.951	ug/l	96

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 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)
39) Methylcyclohexane	9.08	83	84339	18.359	ug/l	97
40) Benzene	8.04	78	232217	20.278	ug/l	99
41) Methacrylonitrile	7.17	41	32430	20.073	ug/l	95
42) 1,2-Dichloroethane	8.13	62	79693	21.087	ug/l	98
43) Isopropyl Acetate	8.17	43	129686	22.987	ug/l	99
44) Trichloroethene	8.83	130	60953	19.759	ug/l	99
45) 1,2-Dichloropropane	9.12	63	64928	21.200	ug/l	98
46) Dibromomethane	9.21	93	39070	20.390	ug/l	98
47) Bromodichloromethane	9.40	83	71791	21.125	ug/l	99
48) Methyl methacrylate	9.20	41	61536	21.766	ug/l	99
49) 1,4-Dioxane	9.20	88	27628	470.912	ug/l	93
51) 4-Methyl-2-Pentanone	9.99	43	428979	117.809	ug/l	100
52) Toluene	10.16	92	141472	20.206	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	74057	20.520	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	86012	21.018	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	61103	21.712	ug/l	97
56) Ethyl methacrylate	10.43	69	92215	22.421	ug/l	99
57) 1,3-Dichloropropane	10.71	76	101419	21.452	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	225242	152.444	ug/l	99
59) 2-Hexanone	10.75	43	305942	114.318	ug/l	100
60) Dibromochloromethane	10.90	129	55952	20.803	ug/l	98
61) 1,2-Dibromoethane	11.00	107	60060	20.895	ug/l	99
64) Tetrachloroethene	10.63	164	55193	18.619	ug/l	96
65) Chlorobenzene	11.43	112	149834	19.921	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	54786	21.552	ug/l	98
67) Ethyl Benzene	11.51	91	264889	20.057	ug/l	100
68) m/p-Xylenes	11.62	106	196479	40.595	ug/l	99
69) o-Xylene	11.95	106	97456	20.353	ug/l	99
70) Styrene	11.96	104	161525	21.104	ug/l	99
71) Bromoform	12.13	173	38109	20.557	ug/l #	99
73) Isopropylbenzene	12.25	105	258997	20.082	ug/l	100
74) N-amyl acetate	12.07	43	106255	21.001	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	90067	22.685	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	71657m	21.738	ug/l	
77) Bromobenzene	12.53	156	66239	18.634	ug/l	94
78) n-propylbenzene	12.59	91	281175	19.314	ug/l	99
79) 2-Chlorotoluene	12.67	91	172924	20.151	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	216627	20.310	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	19667	21.205	ug/l	95
82) 4-Chlorotoluene	12.77	91	168472	19.599	ug/l	99
83) tert-Butylbenzene	12.99	119	188764	19.996	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	214199	20.014	ug/l	99
85) sec-Butylbenzene	13.17	105	245322	19.172	ug/l	99
86) p-Isopropyltoluene	13.29	119	217333	19.791	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	109452	20.318	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	104353	20.002	ug/l	99
89) n-Butylbenzene	13.61	91	171820	20.668	ug/l	99
90) Hexachloroethane	13.87	117	30369	17.738	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	112647	21.076	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14436	24.541	ug/l	96

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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)
93) 1,2,4-Trichlorobenzene	14.91	180	51914	22.172	ug/l	99
94) Hexachlorobutadiene	15.01	225	35612	18.477	ug/l	98
95) Naphthalene	15.13	128	147708	23.421	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	56962	22.462	ug/l	99

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

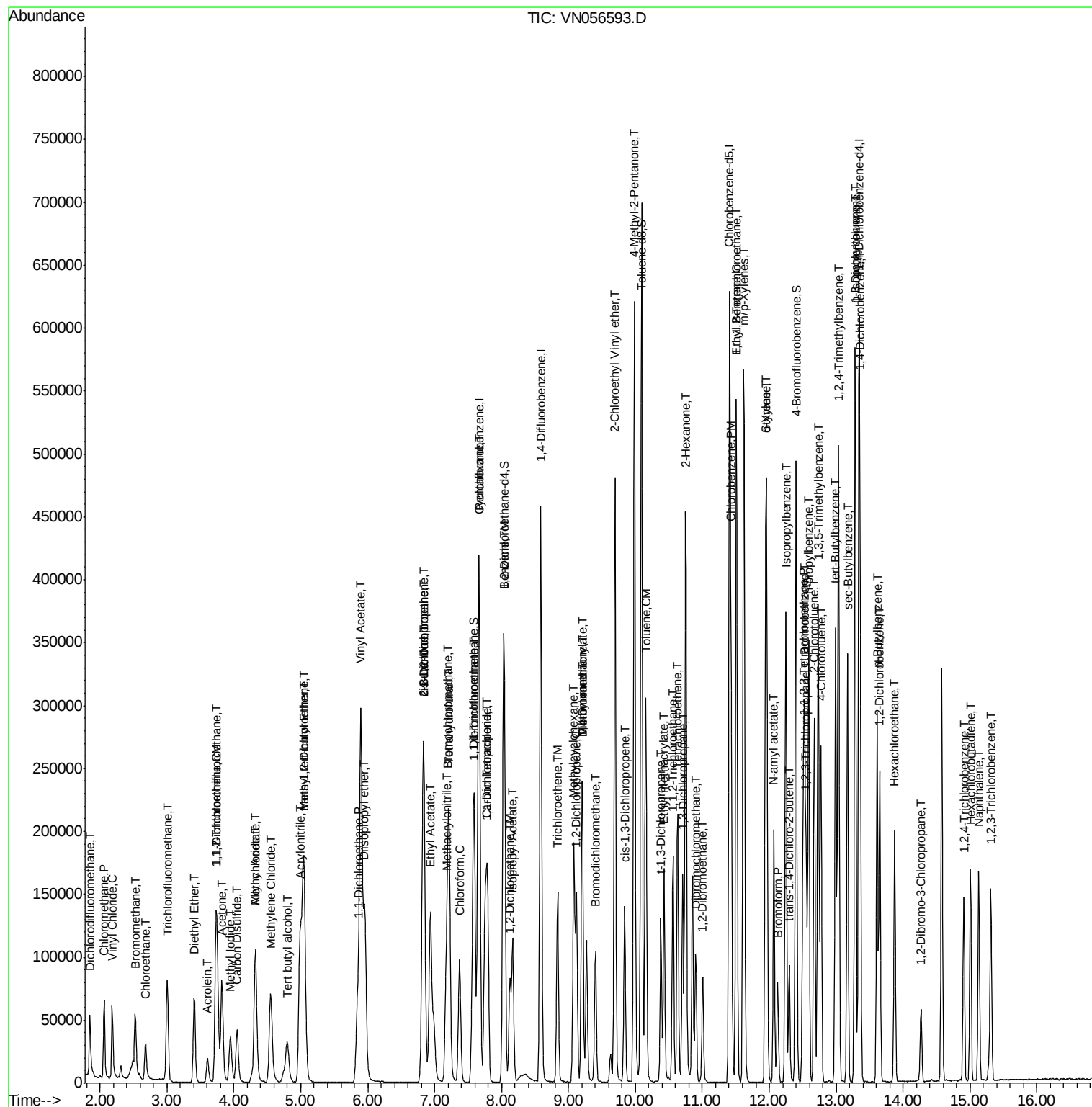
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN070419\
 Data File : VN056593.D
 Acq On : 3 Jul 2019 18:38
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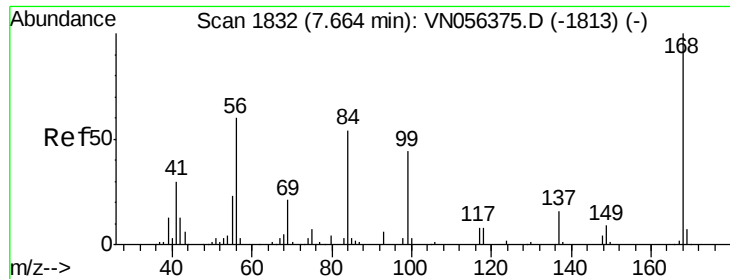
Instrument :
 MSVOA_N
 Client Sampled :
 VN0704WBS01

Manual Integrations
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 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN056593.D

Acq: 3 Jul 2019 18:38

Instrument :

MSVOA_N

ClientSampleId :

VN0704WBS01

Tot Ion:168 Resp: 274899

Ion Ratio Lower Upper

168 100

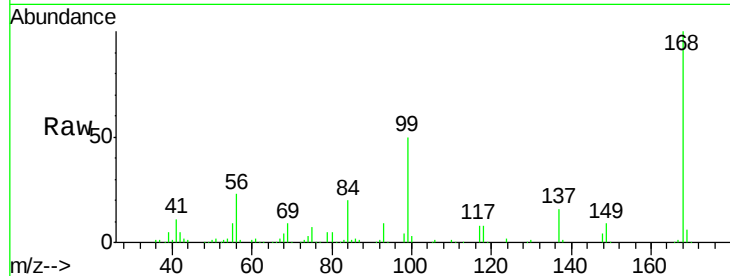
99 50.1 40.6 61.0

Manual Integrations

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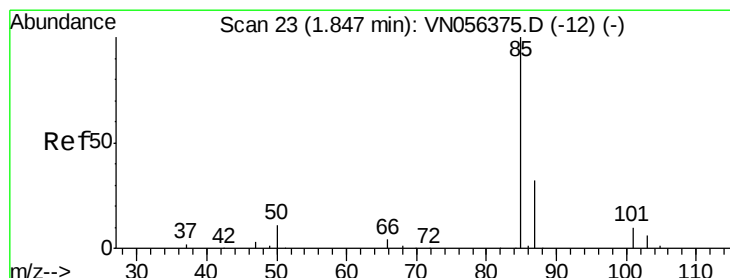
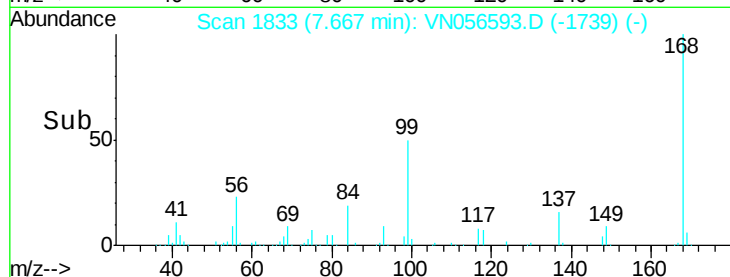
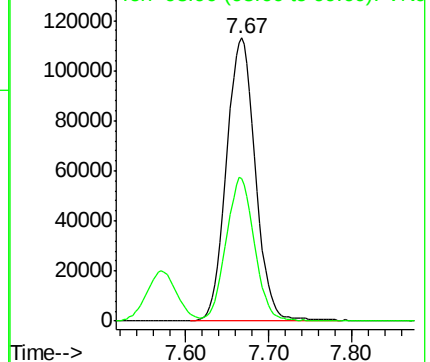
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 18.911 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056593.D

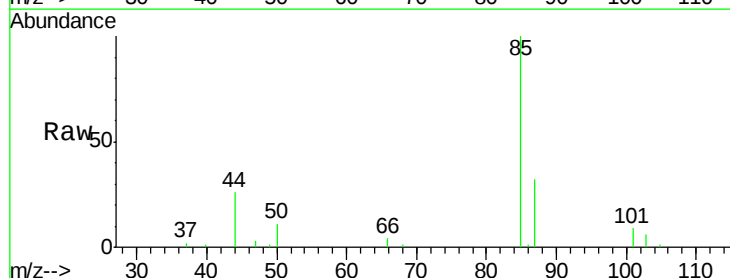
Acq: 3 Jul 2019 18:38

Tgt Ion: 85 Resp: 44020

Ion Ratio Lower Upper

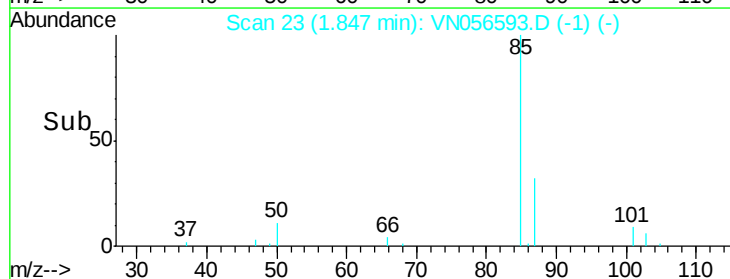
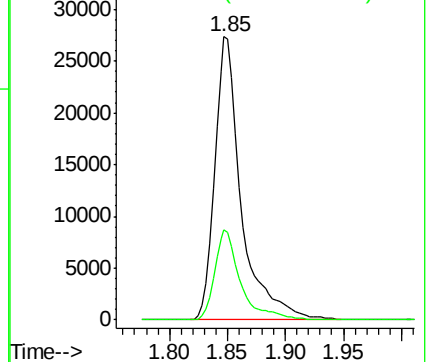
85 100

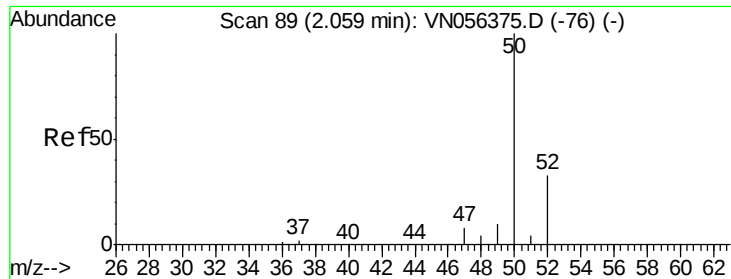
87 32.0 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 18.850 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056593.D

Acq: 3 Jul 2019 18:38

Instrument :

MSVOA_N

ClientSampled :

VN0704WBS01

Tot Ion: 50 Resp: 59743

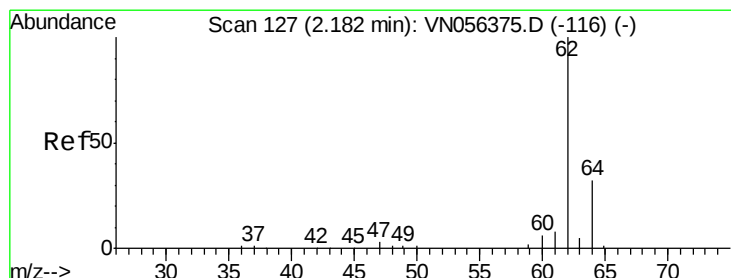
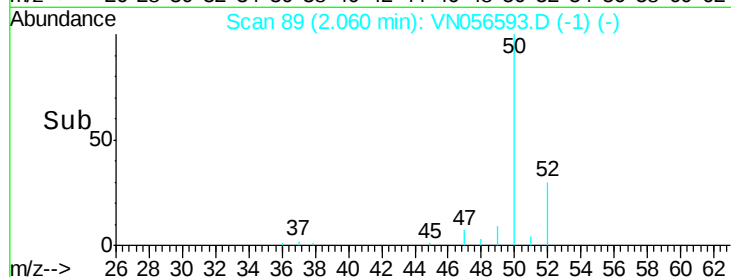
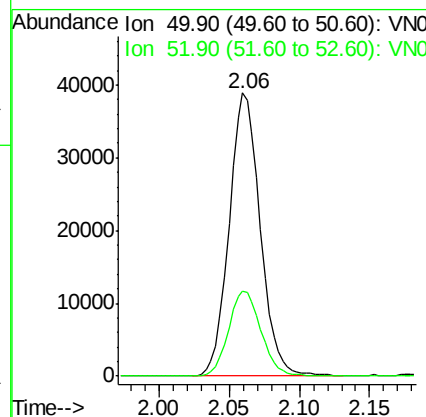
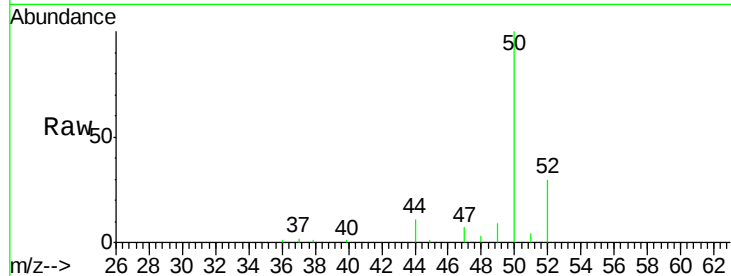
Ion Ratio Lower Upper

50 100

52 30.1 26.5 39.7

Manual Integrations
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#4

Vinyl Chloride

Concen: 18.935 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN056593.D

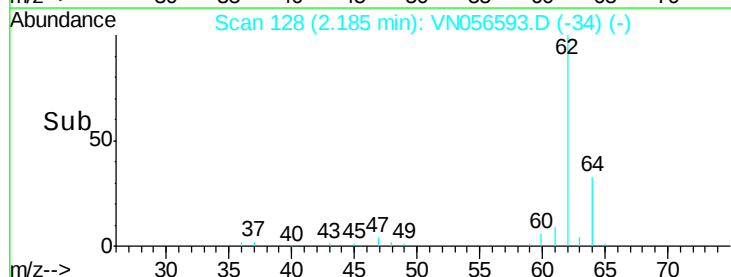
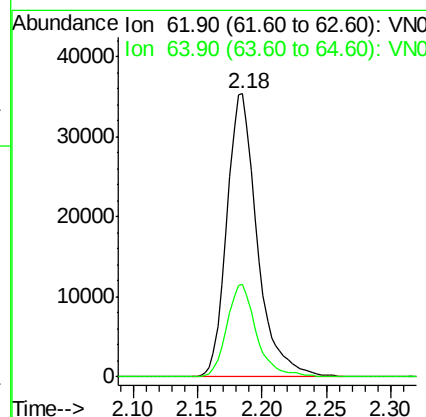
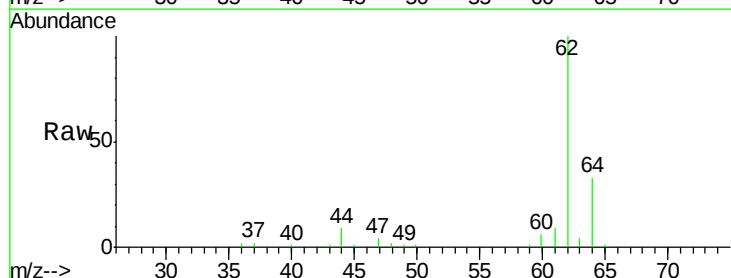
Acq: 3 Jul 2019 18:38

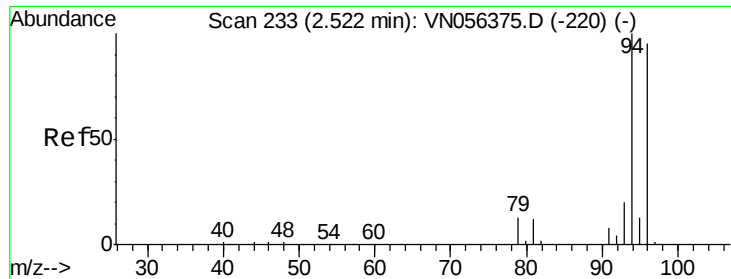
Tgt Ion: 62 Resp: 57964

Ion Ratio Lower Upper

62 100

64 32.7 25.7 38.5





#5

Bromomethane

Concen: 19.768 ug/l m

RT: 2.53 min Scan# 234

Delta R.T. 0.00 min

Lab File: VN056593.D

Acq: 3 Jul 2019 18:38

Instrument :

MSVOA_N

ClientSampled :

VN0704WBS01

Tot Ion: 94 Resp: 35476

Ion Ratio Lower Upper

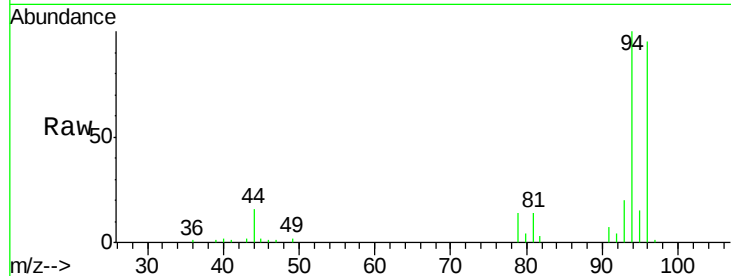
94 100

96 95.5 76.0 114.0

Manual Integrations
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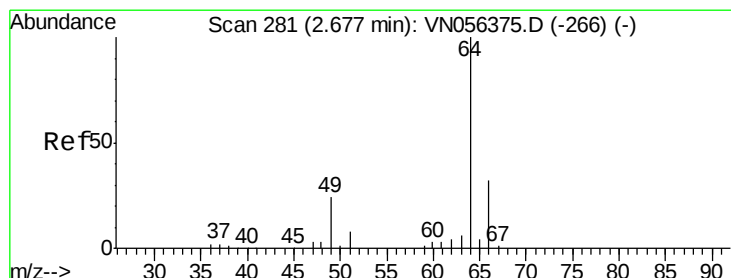
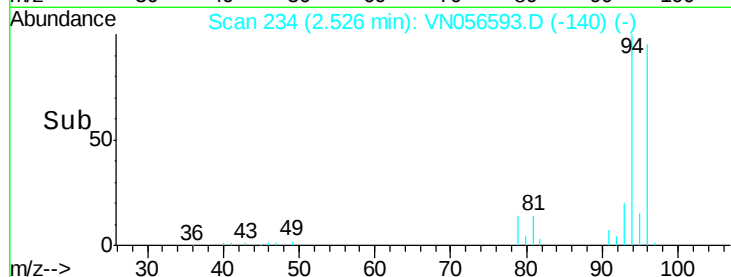
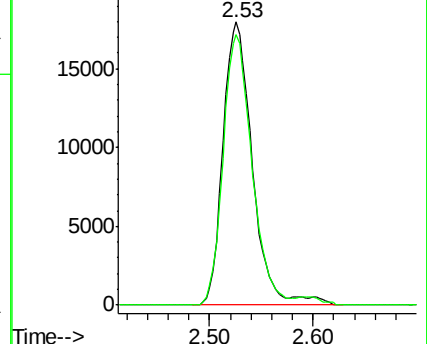
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.238 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.00 min

Lab File: VN056593.D

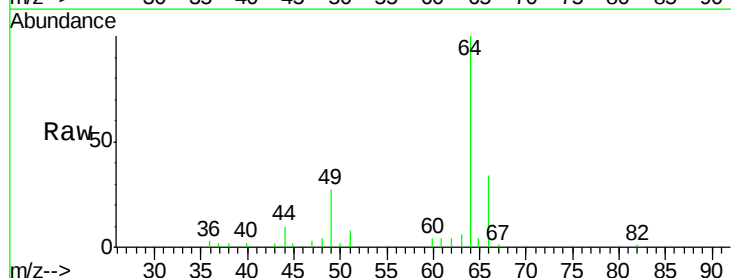
Acq: 3 Jul 2019 18:38

Tgt Ion: 64 Resp: 32332

Ion Ratio Lower Upper

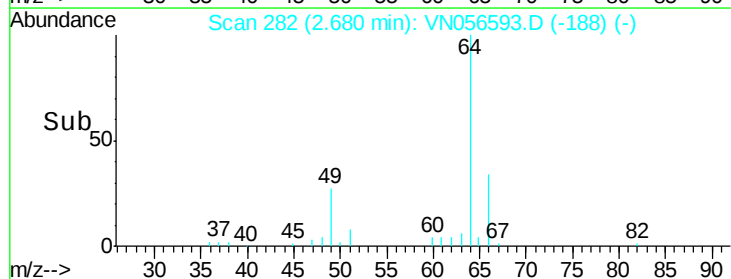
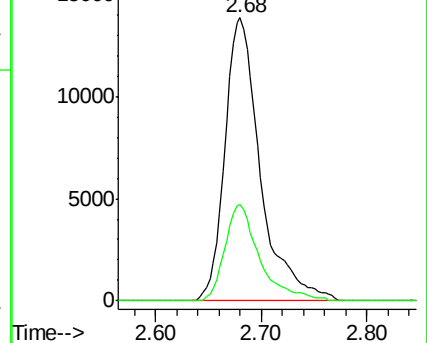
64 100

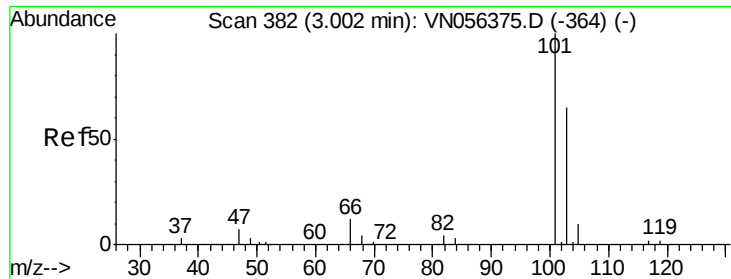
66 34.3 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

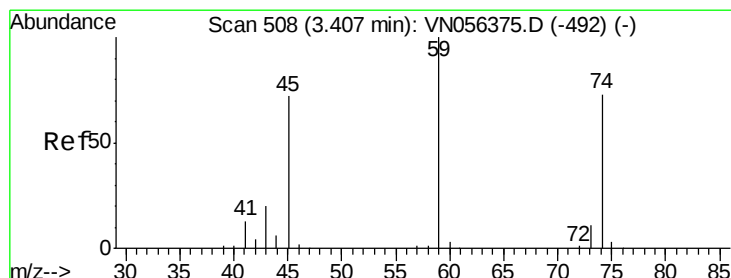
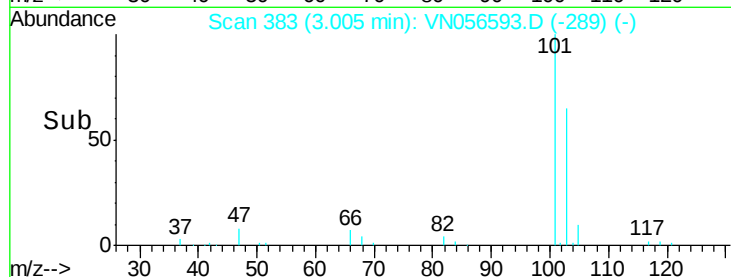
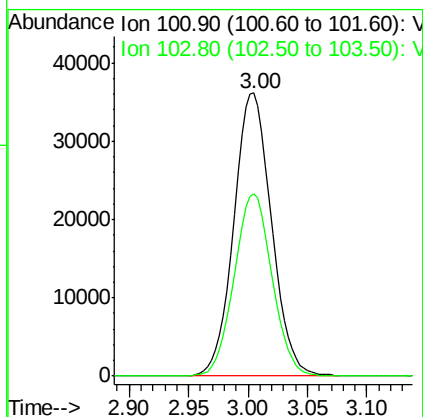
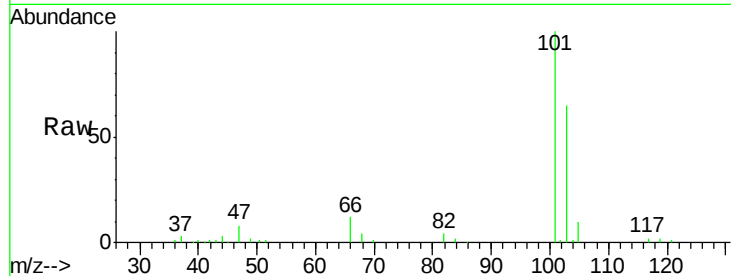
Trichlorofluoromethane
 Concen: 20.046 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VN056593.D
 Acq: 3 Jul 2019 18:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0704WBS01

Tot Ion:101 Resp: 79377
 Ion Ratio Lower Upper
 101 100
 103 64.6 51.7 77.5

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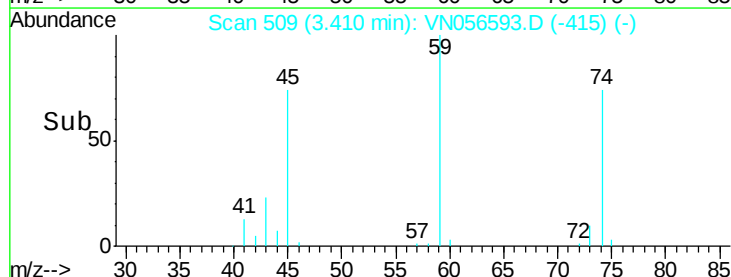
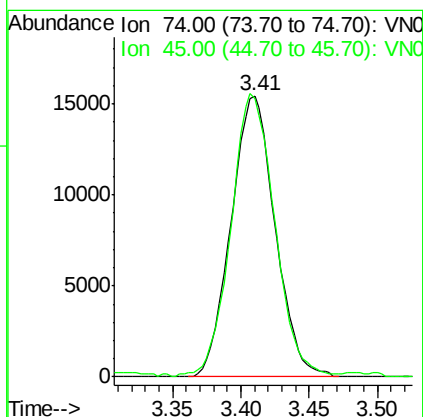
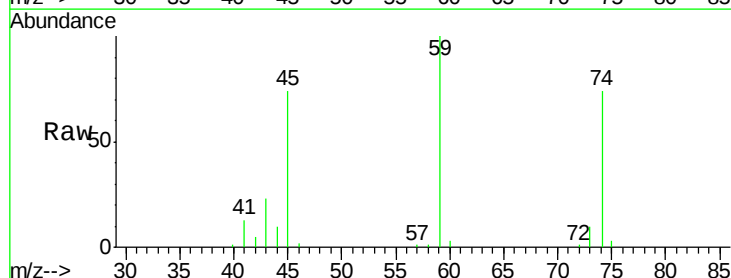
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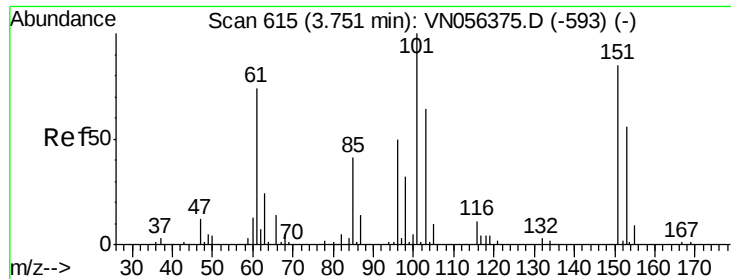


#8

Diethyl Ether
 Concen: 20.630 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN056593.D
 Acq: 3 Jul 2019 18:38

Tgt Ion: 74 Resp: 34573
 Ion Ratio Lower Upper
 74 100
 45 100.4 48.9 146.6





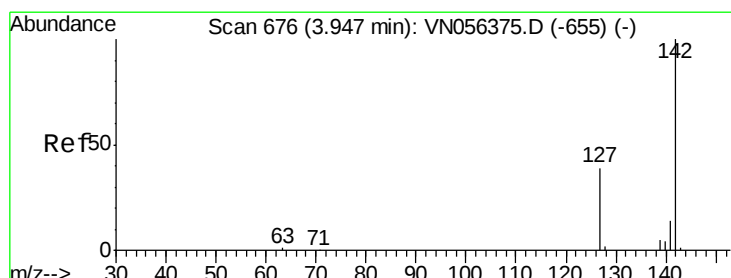
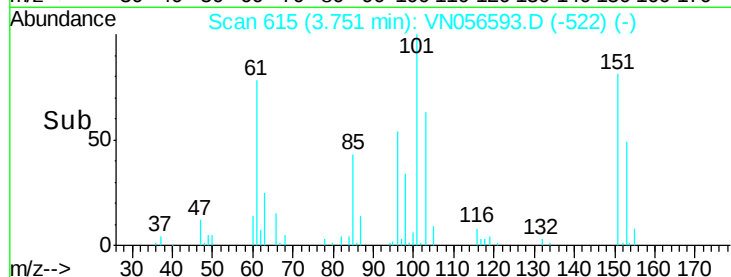
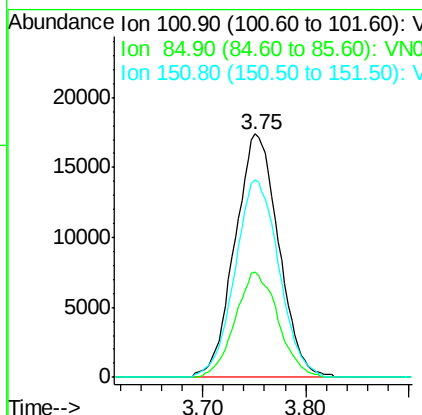
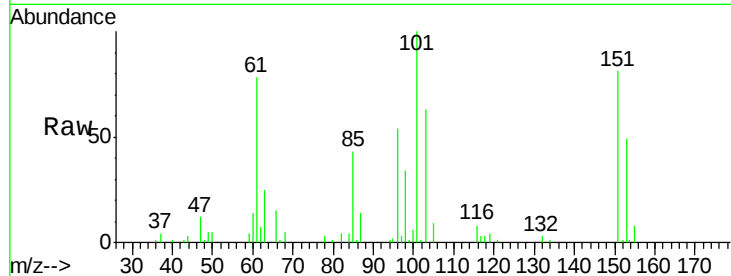
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.260 ug/l
 RT: 3.75 min Scan# 615
 Delta R.T. 0.00 min
 Lab File: VN056593.D
 Acq: 3 Jul 2019 18:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0704WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
85	42.4	32.7	49.1
151	82.0	66.8	100.2

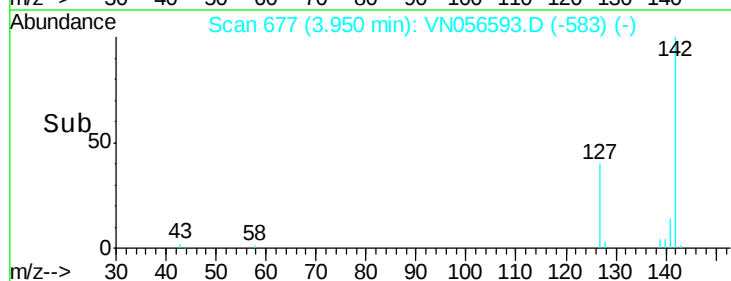
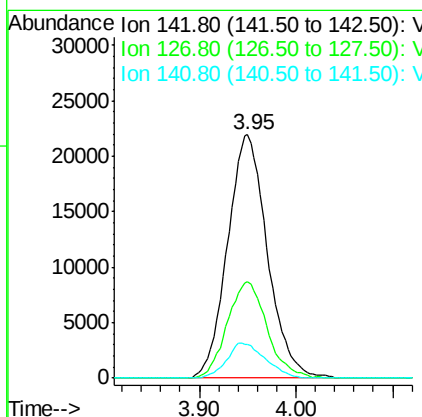
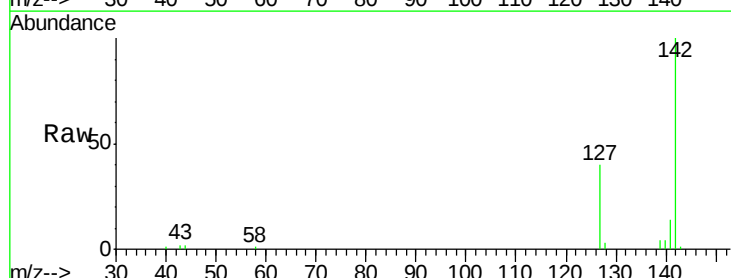
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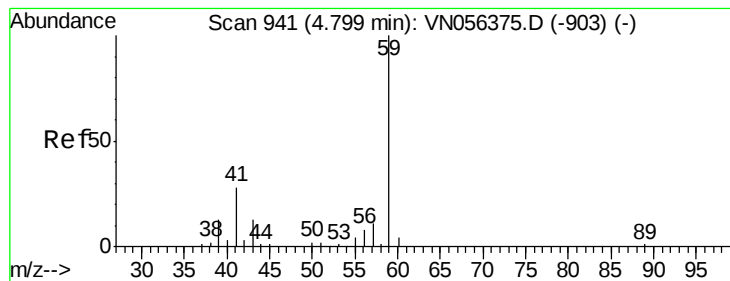
MMDadoda
 7/8/2019 10:08:08 AM



#10
 Methyl Iodide
 Concen: 18.369 ug/l
 RT: 3.95 min Scan# 677
 Delta R.T. 0.00 min
 Lab File: VN056593.D
 Acq: 3 Jul 2019 18:38

Tgt Ion	Ratio	Lower	Upper
142	100		
127	39.5	30.6	46.0
141	14.0	11.4	17.2





#11

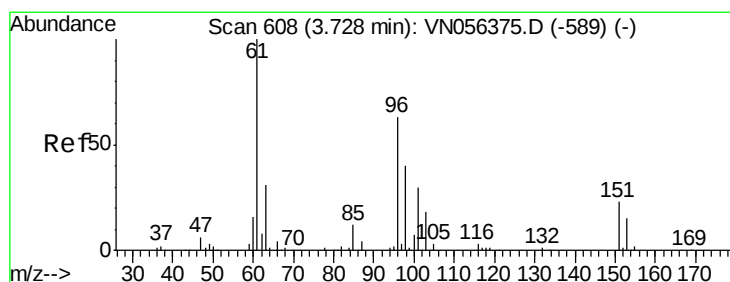
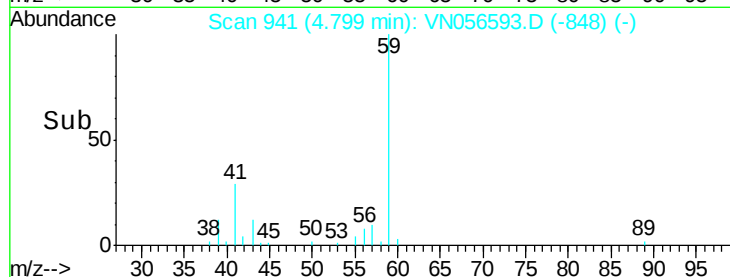
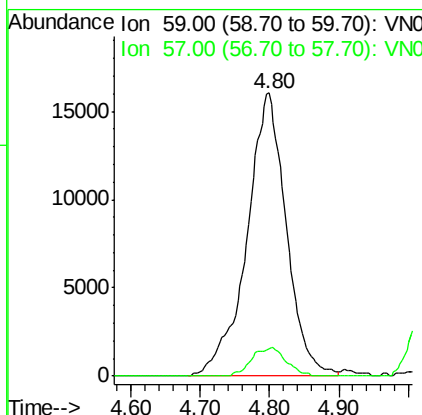
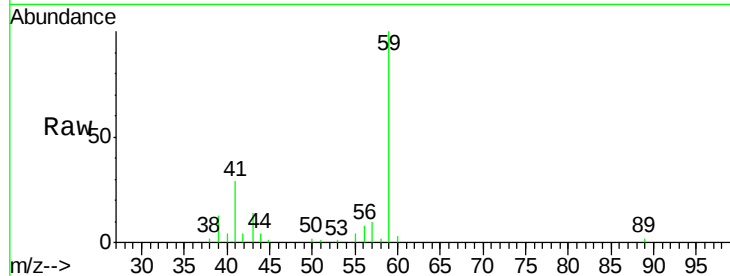
Tert butyl alcohol
Concen: 123.578 ug/l
RT: 4.80 min Scan# 941
Delta R.T. 0.00 min
Lab File: VN056593.D
Acq: 3 Jul 2019 18:38

Instrument :
MSVOA_N
ClientSampled :
VN0704WBS01

Tot Ion	59.00	Resp	63414
Ion Ratio	100	Lower	Upper
59	100		
57	8.7	7.6	11.4

Manual Integrations
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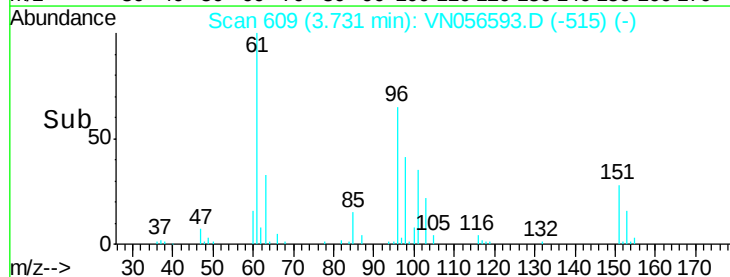
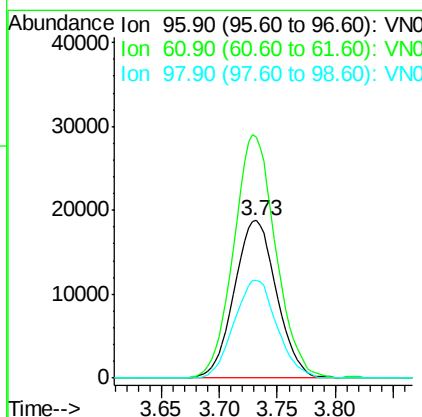
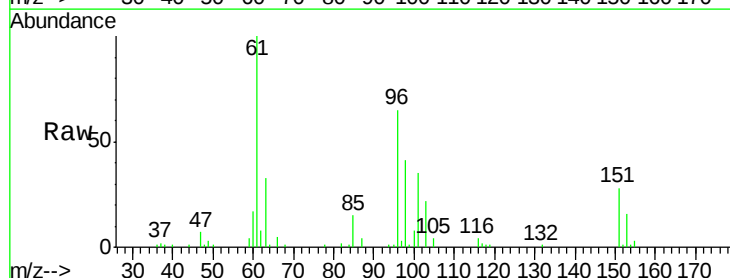
MMDadoda
7/8/2019 10:08:08 AM

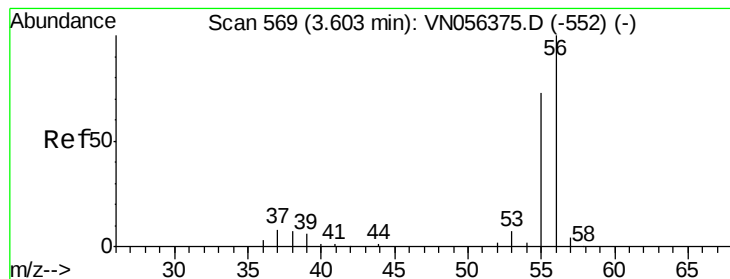


#12

1,1-Dichloroethene
Concen: 19.640 ug/l
RT: 3.73 min Scan# 609
Delta R.T. 0.00 min
Lab File: VN056593.D
Acq: 3 Jul 2019 18:38

Tgt Ion	96	Resp	47695
Ion Ratio	100	Lower	Upper
96	100		
61	152.9	126.6	190.0
98	61.9	51.1	76.7





#13

Acrolein

Concen: 53.775 ug/l

RT: 3.60 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN056593.D

Acq: 3 Jul 2019 18:38

Instrument :

MSVOA_N

ClientSampled :

VN0704WBS01

Tot Ion: 56 Resp: 23257

Ion Ratio Lower Upper

56 100

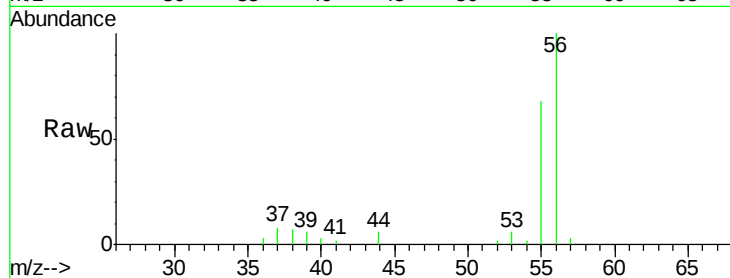
55 68.1 57.1 85.7

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.60

10000

8000

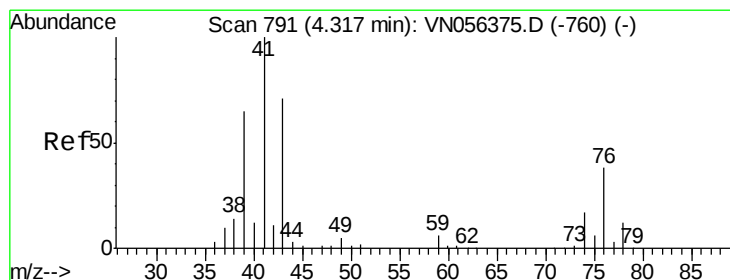
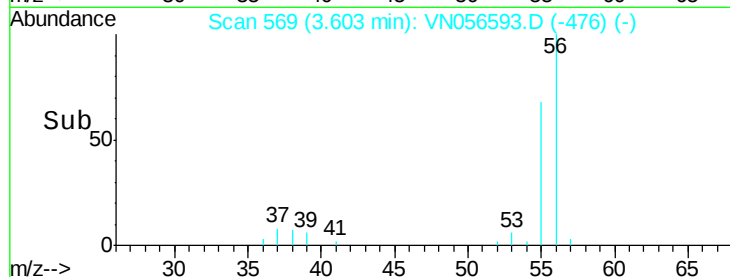
6000

4000

2000

0

Time--> 3.50 3.60 3.70



#14

Allyl chloride

Concen: 20.427 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN056593.D

Acq: 3 Jul 2019 18:38

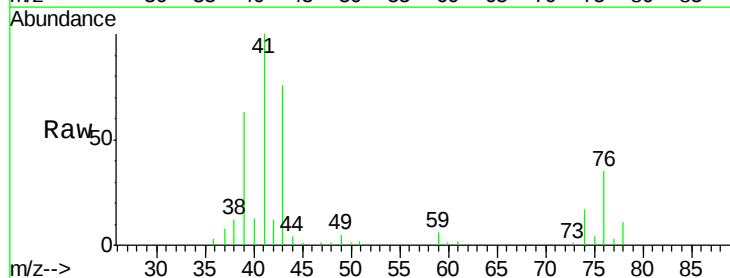
Tgt Ion: 41 Resp: 82575

Ion Ratio Lower Upper

41 100

39 61.3 48.6 73.0

76 32.5 26.6 40.0



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

4.32

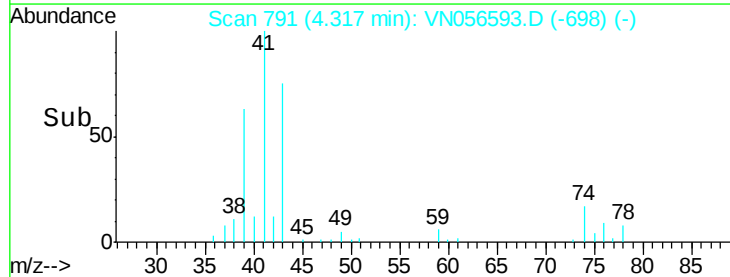
30000

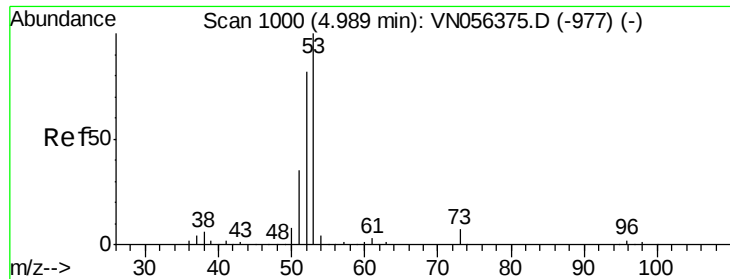
20000

10000

0

Time--> 4.20 4.30 4.40





#15

Acrylonitrile

Concen: 111.239 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056593.D

Acq: 3 Jul 2019 18:38

Instrument :

MSVOA_N

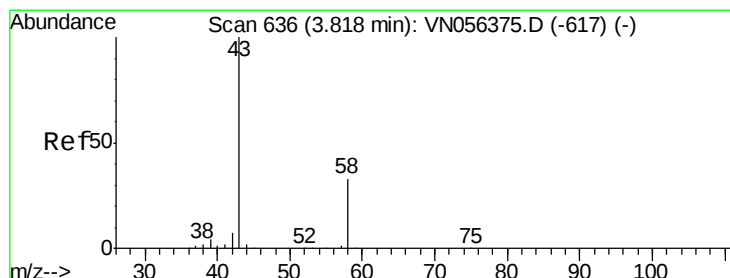
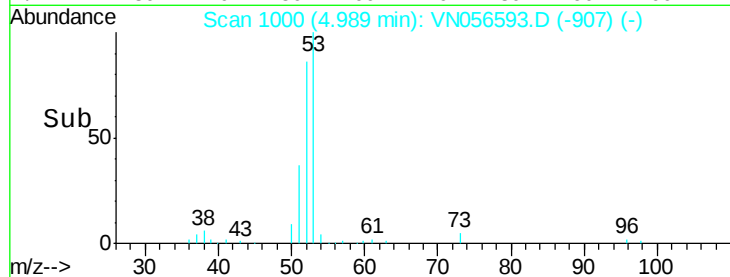
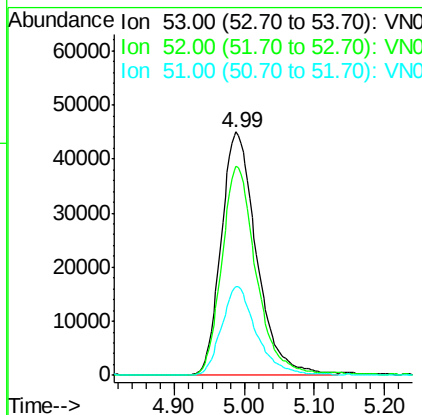
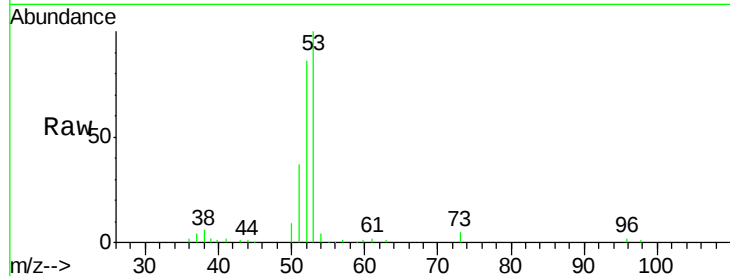
ClientSampled :

VN0704WBS01

Tot Ion:	53	Resp:	157917
Ion	Ratio	Lower	Upper
53	100		
52	82.8	65.9	98.9
51	35.9	28.3	42.5

Manual Integrations
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#16

Acetone

Concen: 88.590 ug/l

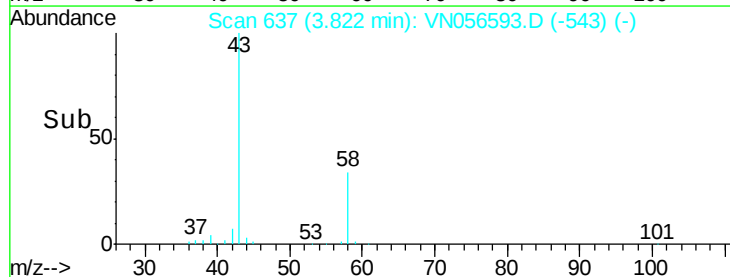
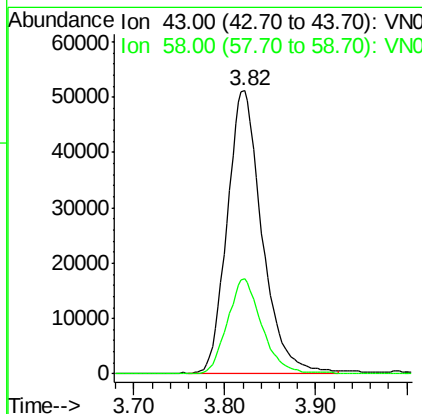
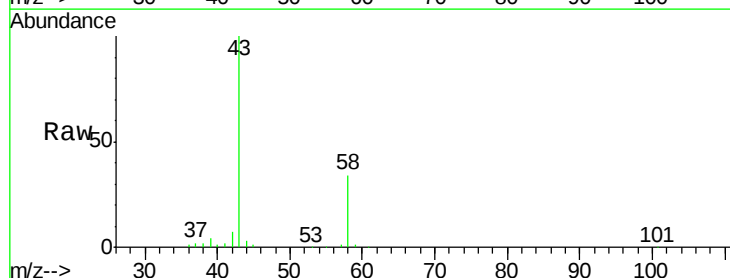
RT: 3.82 min Scan# 637

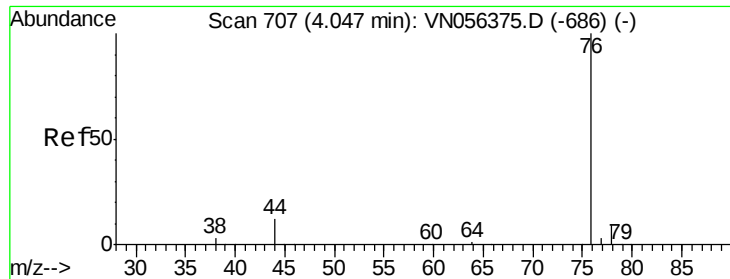
Delta R.T. 0.00 min

Lab File: VN056593.D

Acq: 3 Jul 2019 18:38

Tgt Ion:	43	Resp:	135228
Ion	Ratio	Lower	Upper
43	100		
58	33.7	26.4	39.6





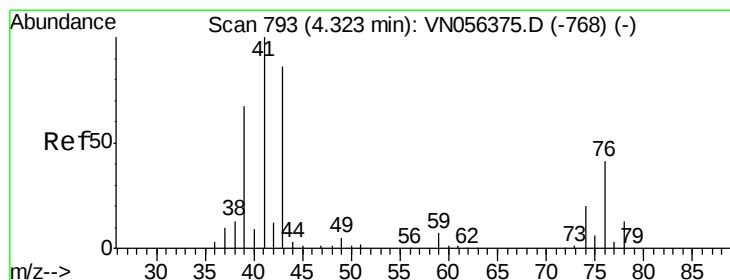
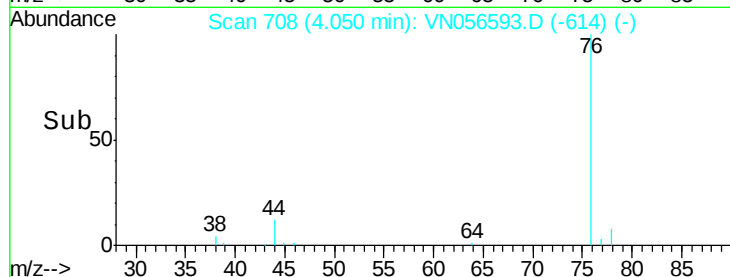
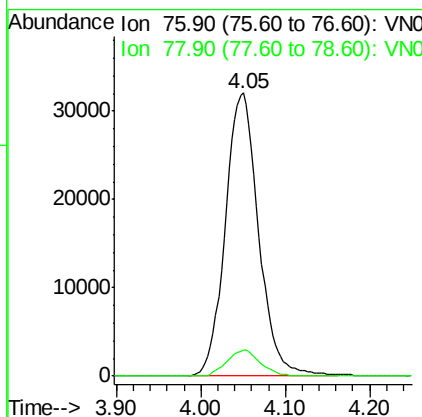
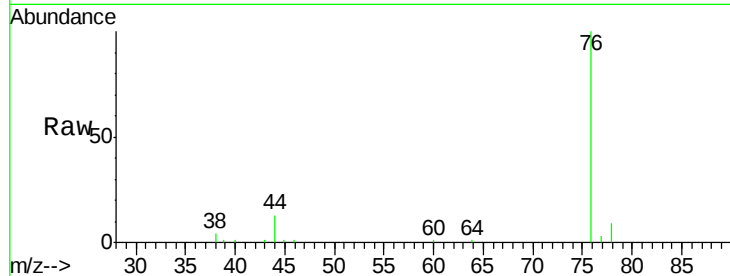
#17
Carbon Disulfide
Concen: 15.938 ug/l
RT: 4.05 min Scan# 708
Delta R.T. 0.00 min
Lab File: VN056593.D
Acq: 3 Jul 2019 18:38

Instrument :
MSVOA_N
ClientSampleId :
VN0704WBS01

Tot Ion: 76 Resp: 88034
Ion Ratio Lower Upper
76 100
78 9.1 7.1 10.7

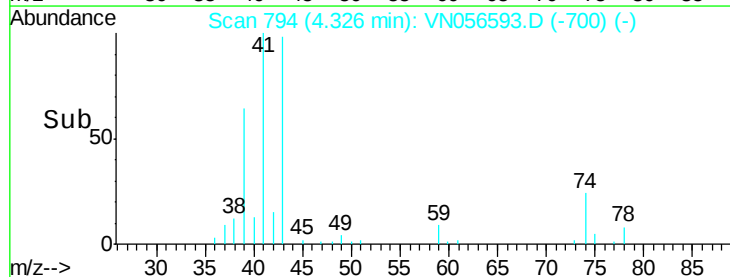
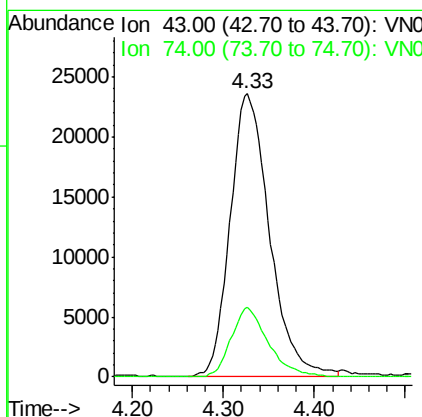
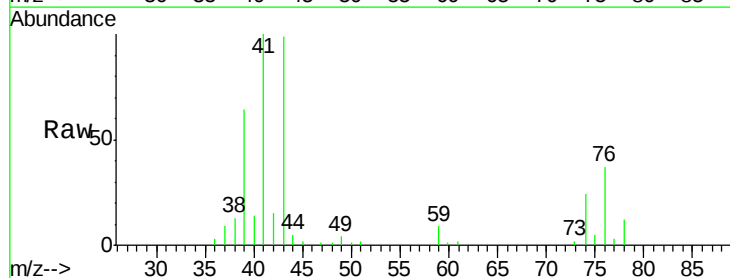
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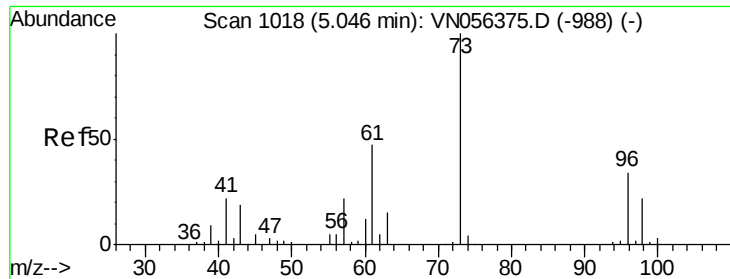
MMDadoda
7/8/2019 10:08:08 AM



#18
Methyl Acetate
Concen: 23.352 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056593.D
Acq: 3 Jul 2019 18:38

Tgt Ion: 43 Resp: 71199
Ion Ratio Lower Upper
43 100
74 22.8 19.2 28.8





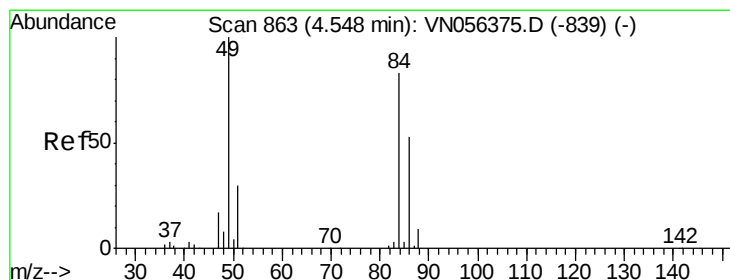
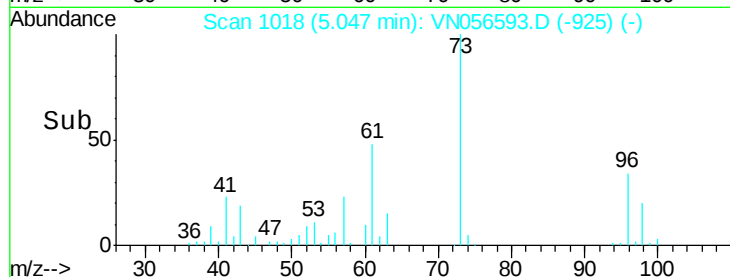
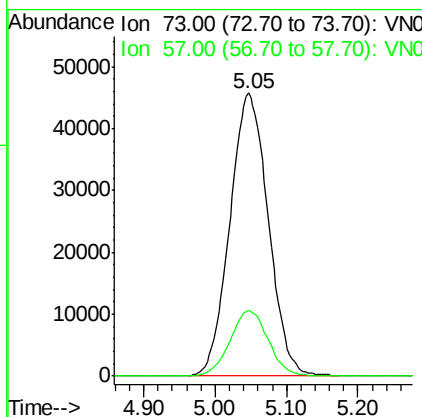
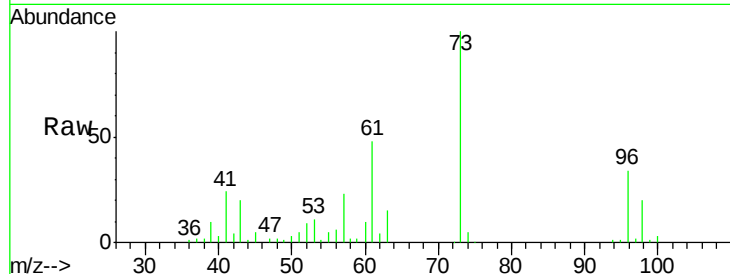
#19
Methvl tert-butvl Ether
Concen: 21.297 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN056593.D
Acq: 3 Jul 2019 18:38

Instrument :
MSVOA_N
ClientSampled :
VN0704WBS01

Tot Ion: 73 Resp: 171130
Ion Ratio Lower Upper
73 100
57 23.1 17.9 26.9

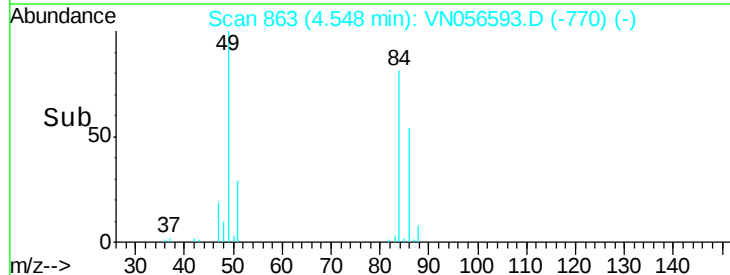
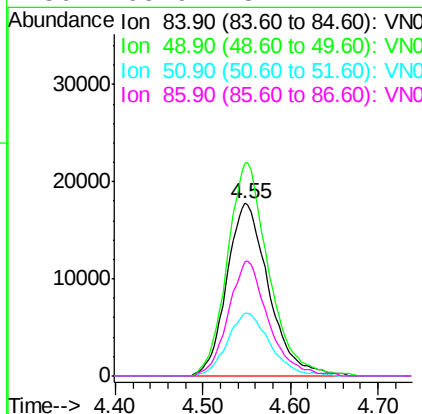
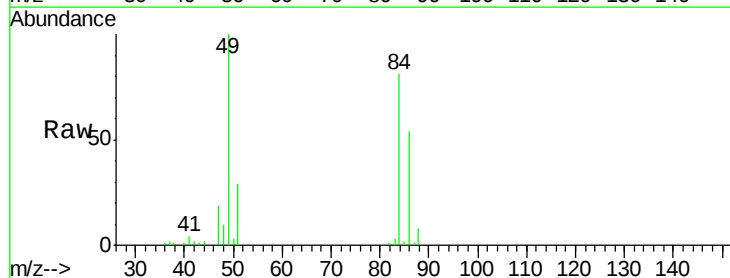
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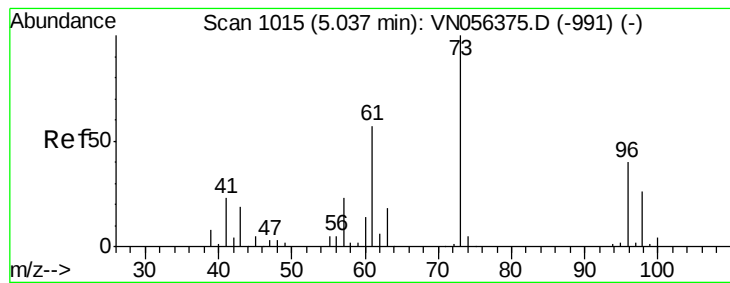
MMDadoda
7/8/2019 10:08:08 AM



#20
Methylene Chloride
Concen: 20.016 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN056593.D
Acq: 3 Jul 2019 18:38

Tgt Ion: 84 Resp: 59134
Ion Ratio Lower Upper
84 100
49 123.2 96.4 144.6
51 36.1 28.6 43.0
86 65.9 51.4 77.2





#21

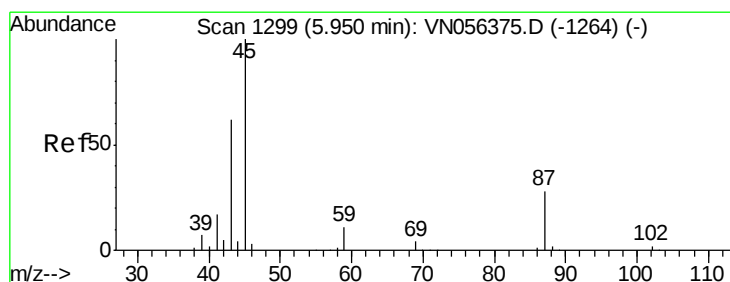
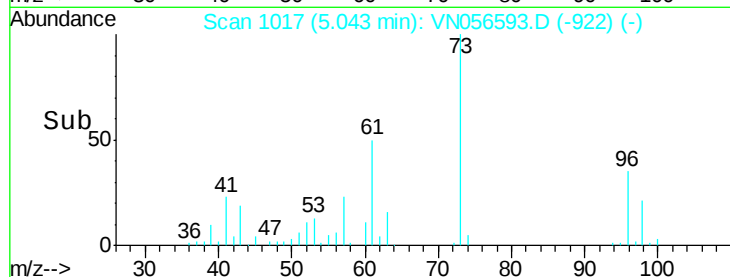
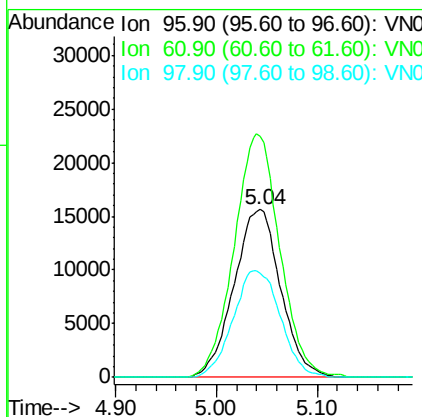
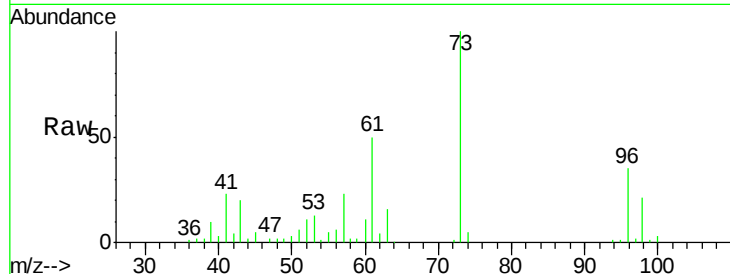
trans-1,2-Dichloroethene
Concen: 19.199 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.01 min
Lab File: VN056593.D
Acq: 3 Jul 2019 18:38

Instrument :
MSVOA_N
ClientSampled :
VN0704WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.0	113.0	169.6
98	61.9	52.2	78.2

Manual Integrations
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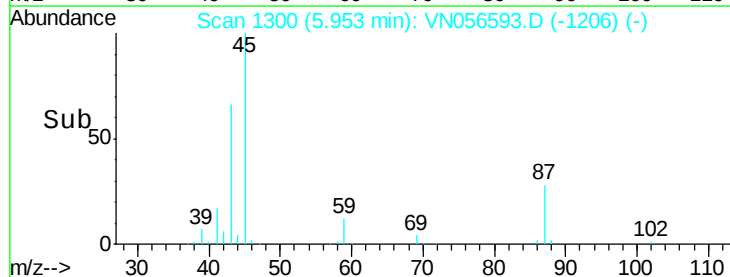
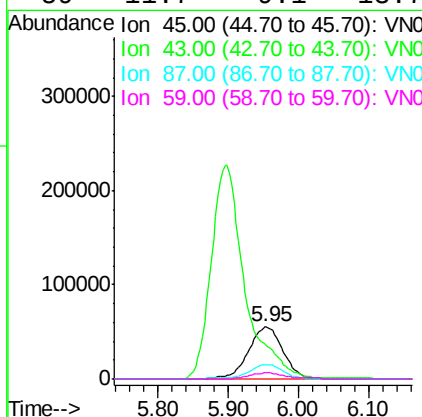
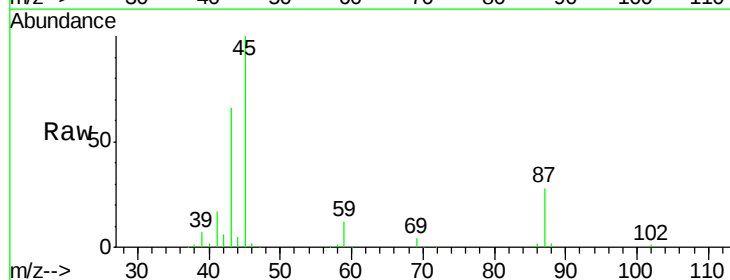
MMDadoda
7/8/2019 10:08:08 AM

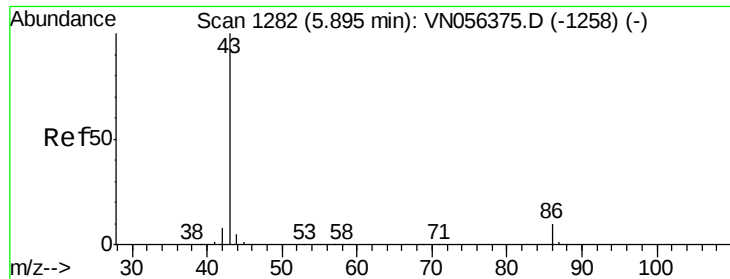


#22

Diisopropyl ether
Concen: 22.340 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN056593.D
Acq: 3 Jul 2019 18:38

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.6	50.4	75.6
87	27.7	23.0	34.4
59	11.7	9.1	13.7





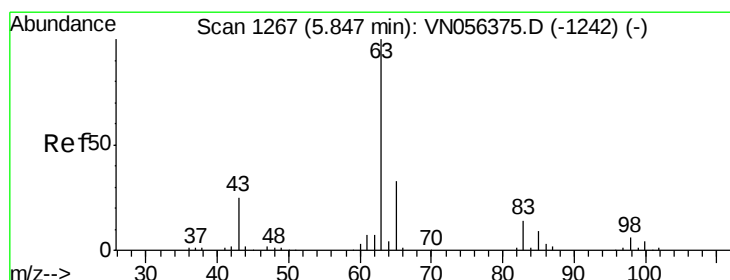
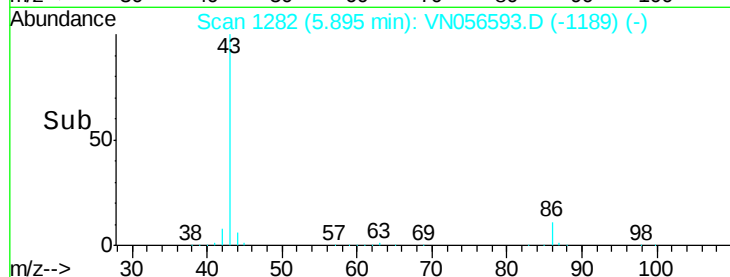
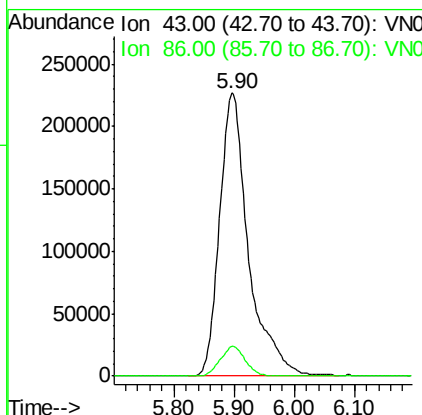
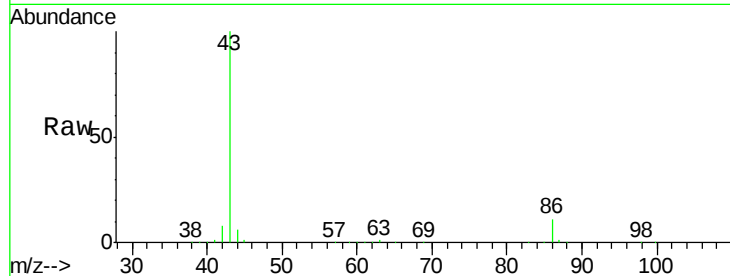
#23
 Vinyl Acetate
 Concen: 112.810 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN056593.D
 Acq: 3 Jul 2019 18:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0704WBS01

Tot Ion	43	Resp	755380
Ion Ratio	100	Lower	Upper
43	100		
86	10.6	8.3	12.5

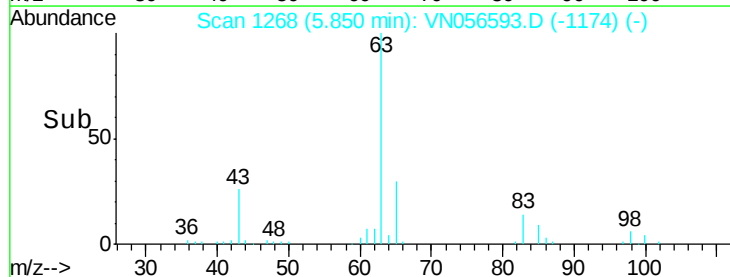
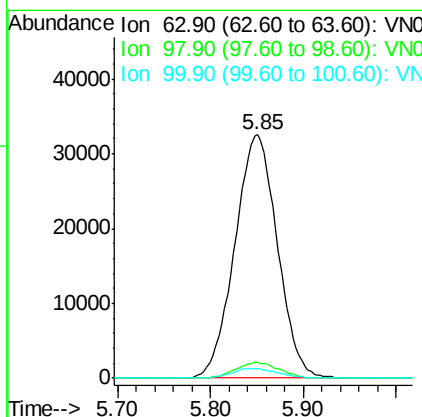
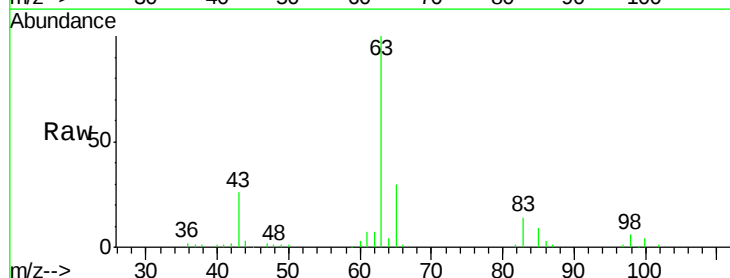
Manual Integrations
 APPROVED

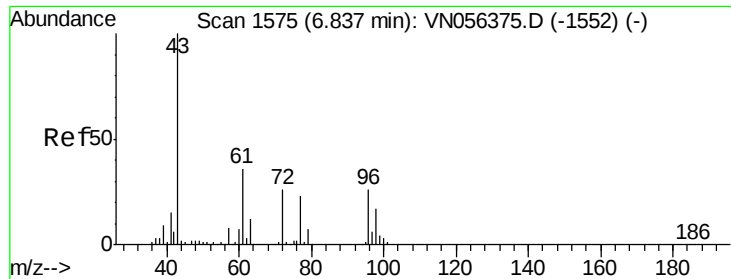
MMDadoda
 7/8/2019 10:08:08 AM



#24
 1,1-Dichloroethane
 Concen: 21.257 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN056593.D
 Acq: 3 Jul 2019 18:38

Tgt Ion	63	Resp	103593
Ion Ratio	100	Lower	Upper
63	100		
98	6.3	3.2	9.6
100	3.7	2.1	6.5





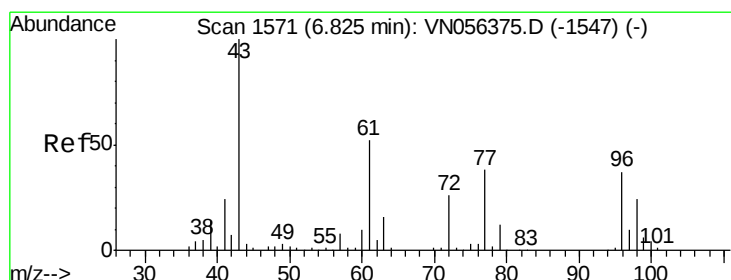
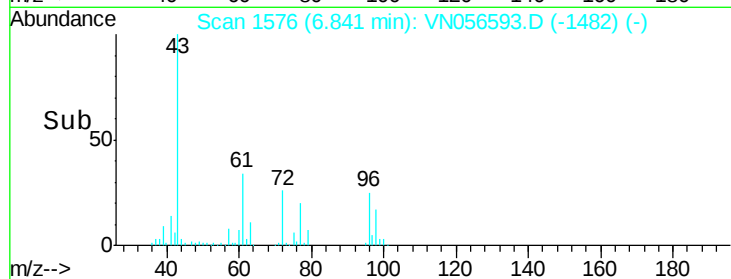
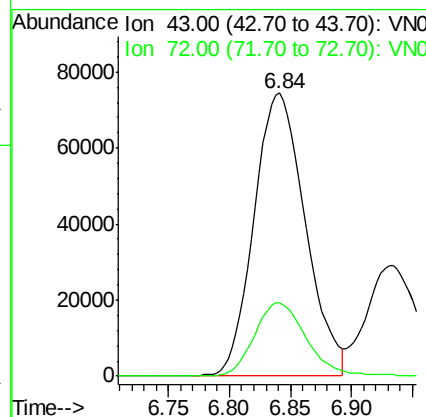
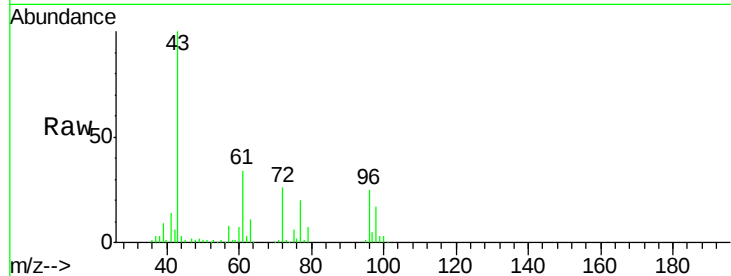
#25
2-Butanone
Concen: 107.494 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN056593.D
Acq: 3 Jul 2019 18:38

Instrument :
MSVOA_N
ClientSampled :
VN0704WBS01

Tot Ion: 43 Resp: 217167
Ion Ratio Lower Upper
43 100
72 26.0 20.6 31.0

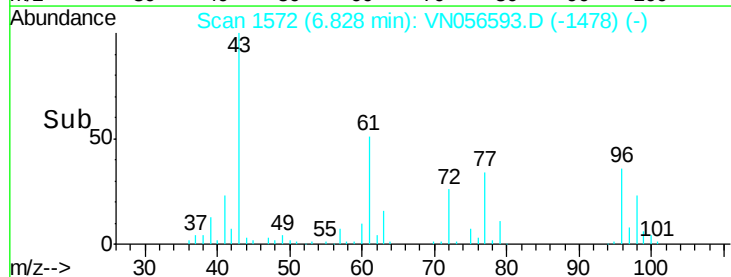
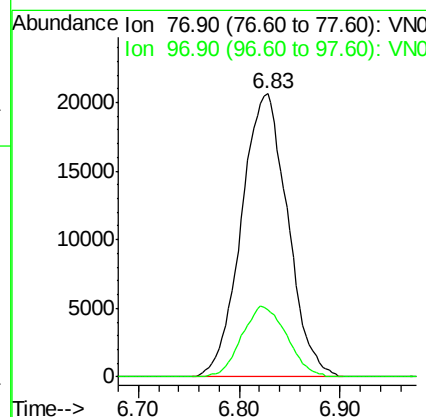
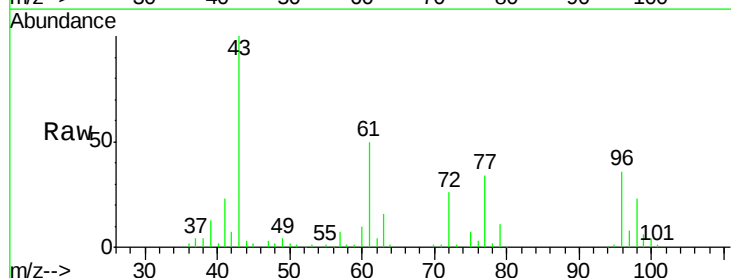
Manual Integrations
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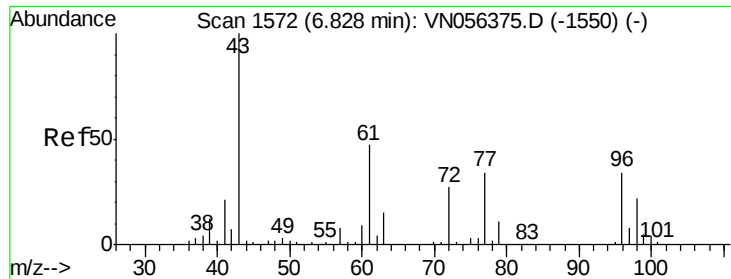
MMDadoda
7/8/2019 10:08:08 AM



#26
2,2-Dichloropropane
Concen: 19.379 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN056593.D
Acq: 3 Jul 2019 18:38

Tgt Ion: 77 Resp: 65682
Ion Ratio Lower Upper
77 100
97 24.4 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 20.669 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN056593.D

Acq: 3 Jul 2019 18:38

Instrument :

MSVOA_N

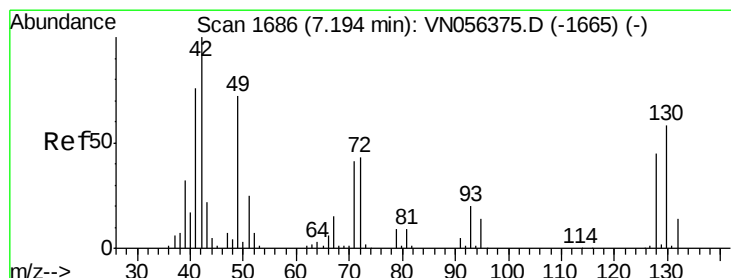
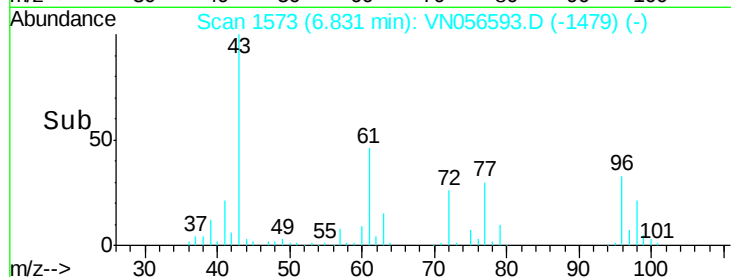
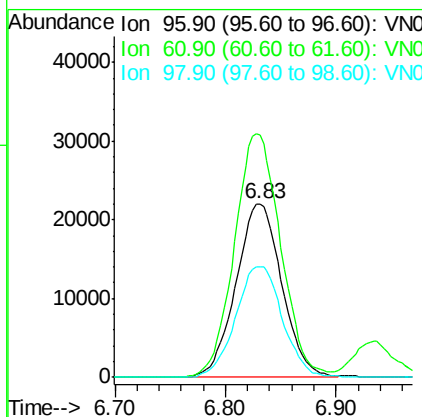
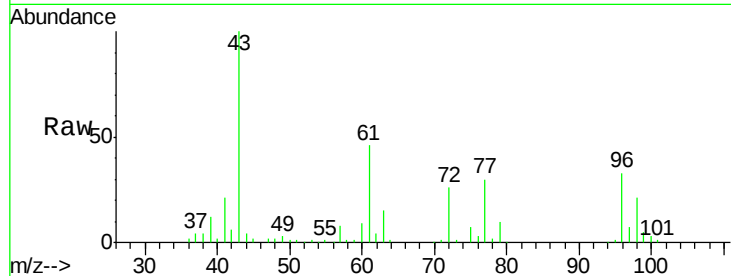
ClientSampled :

VN0704WBS01

Tot Ion:	96	Resp:	63313
Ion	Ratio	Lower	Upper
96	100		
61	141.7	0.0	279.8
98	65.2	0.0	130.0

Manual Integrations
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7/8/2019 10:08:08 AM



#28

Bromochloromethane

Concen: 20.843 ug/l

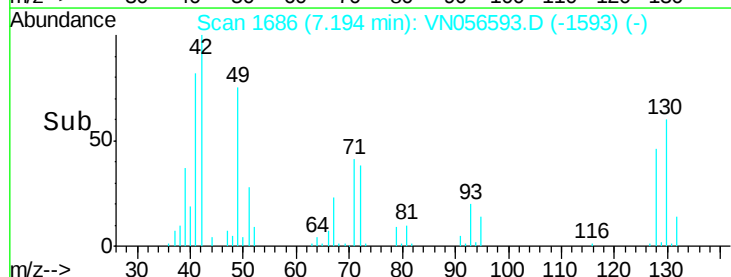
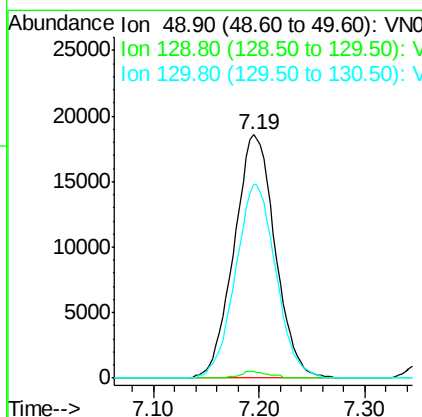
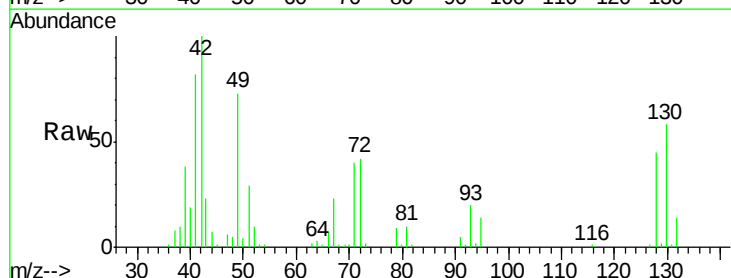
RT: 7.19 min Scan# 1686

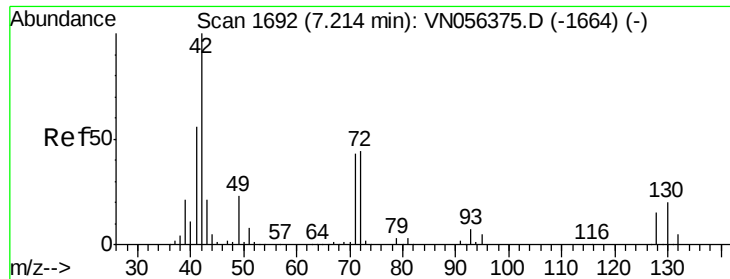
Delta R.T. 0.00 min

Lab File: VN056593.D

Acq: 3 Jul 2019 18:38

Tgt Ion:	49	Resp:	50241
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.2
130	78.3	64.9	97.3





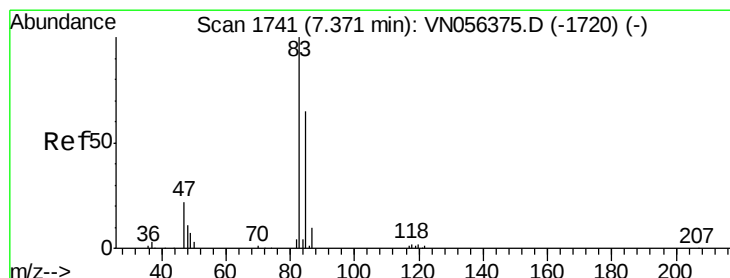
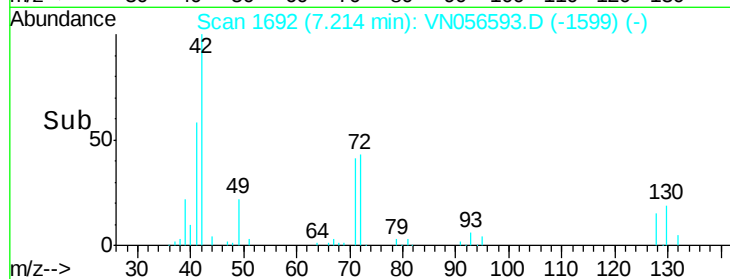
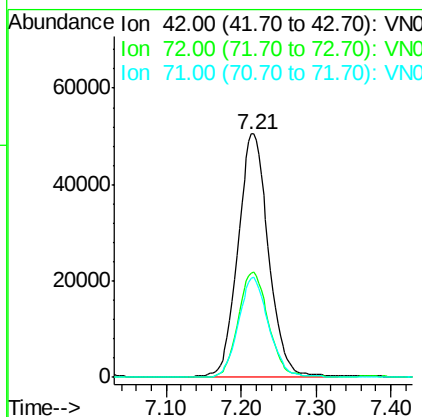
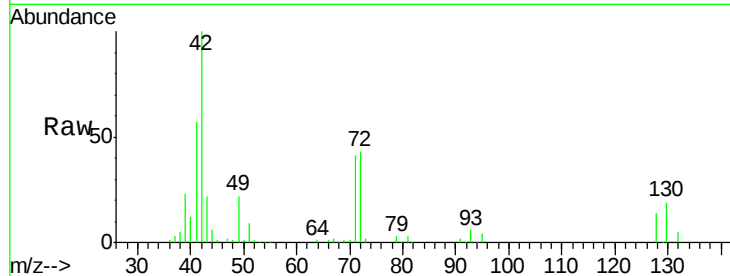
#29
Tetrahydrofuran
Concen: 116.498 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN056593.D
Acq: 3 Jul 2019 18:38

Instrument :
MSVOA_N
ClientSampled :
VN0704WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.6	34.7	52.1
71	40.2	33.0	49.6

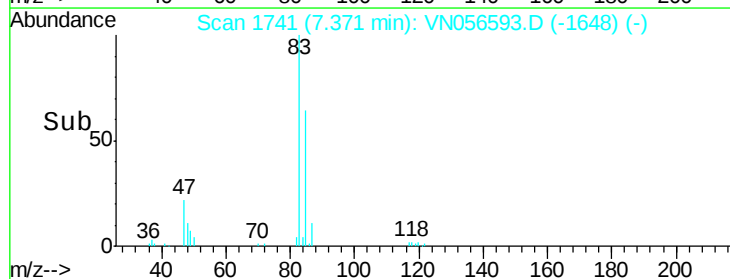
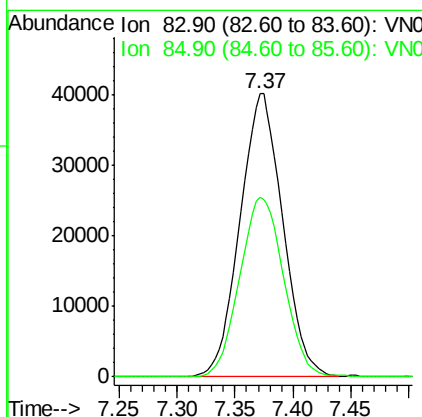
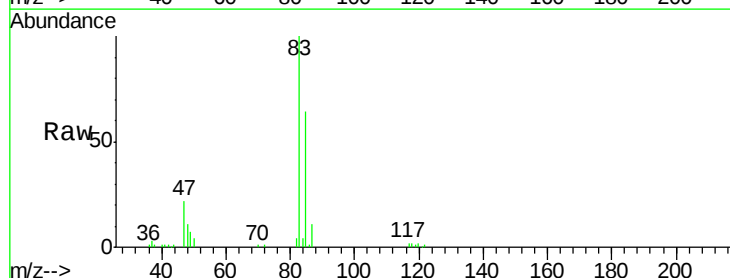
Manual Integrations
APPROVED

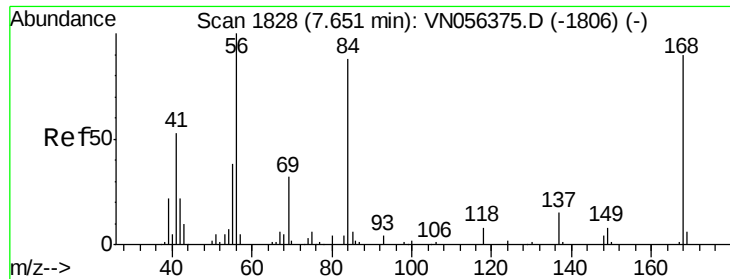
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#30
Chloroform
Concen: 21.430 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056593.D
Acq: 3 Jul 2019 18:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	52.3	78.5





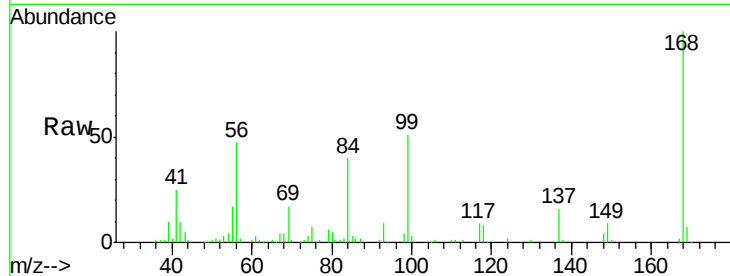
#31
Cyclohexane
Concen: 19.202 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN056593.D
Acq: 3 Jul 2019 18:38

Instrument :
MSVOA_N
ClientSampled :
VN0704WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.6	25.8	38.6
84	84.3	69.4	104.0

Manual Integrations
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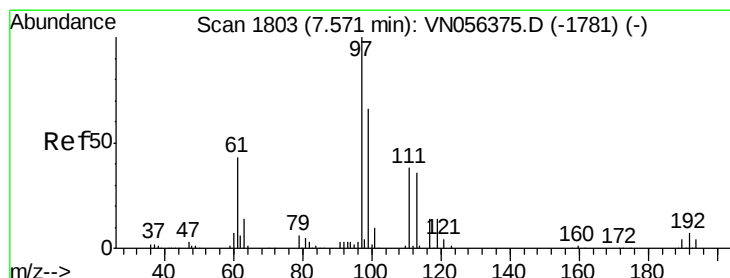
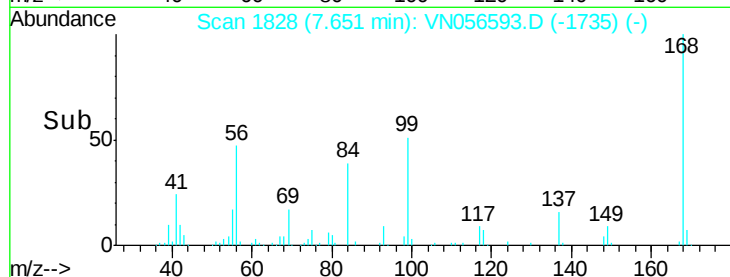
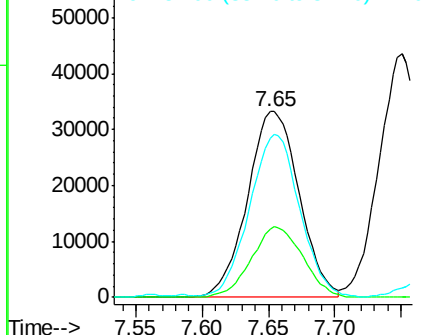


Abundance

Ion 56.00 (55.70 to 56.70): VN056593.D (-1735) (-)

Ion 69.00 (68.70 to 69.70): VN056593.D (-1735) (-)

Ion 84.00 (83.70 to 84.70): VN056593.D (-1735) (-)



#32
1,1,1-Trichloroethane
Concen: 20.789 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN056593.D
Acq: 3 Jul 2019 18:38

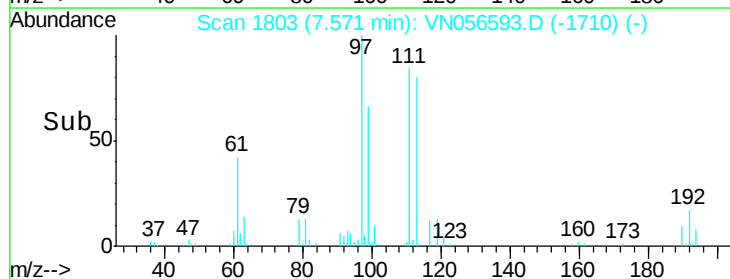
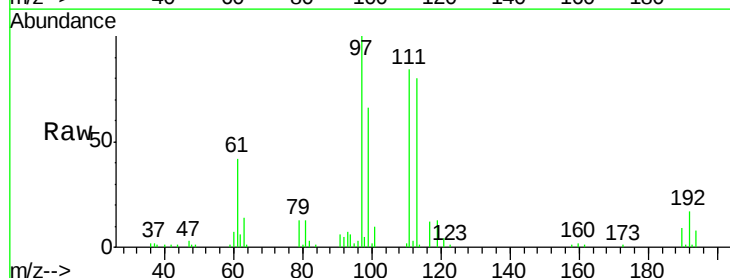
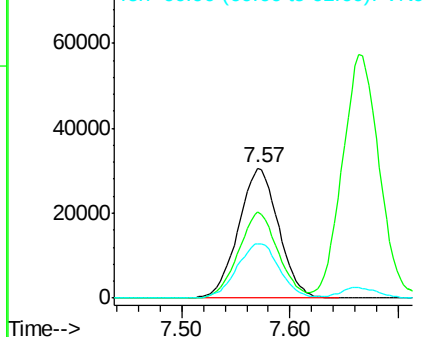
Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.8	77.6
61	43.8	33.9	50.9

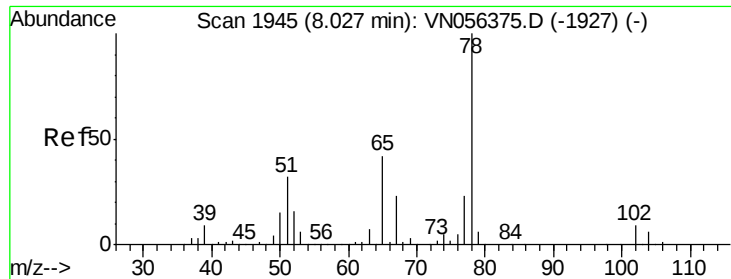
Abundance

Ion 96.90 (96.60 to 97.60): VN056593.D (-1710) (-)

Ion 98.90 (98.60 to 99.60): VN056593.D (-1710) (-)

Ion 60.90 (60.60 to 61.60): VN056593.D (-1710) (-)





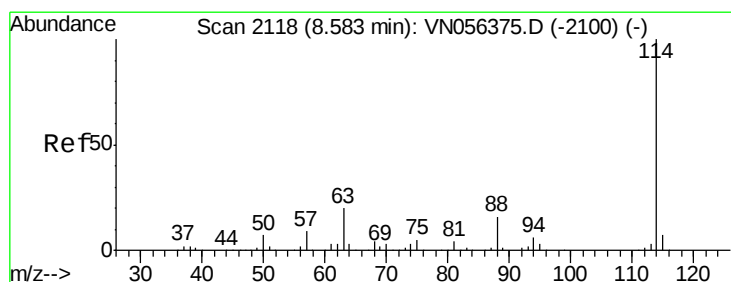
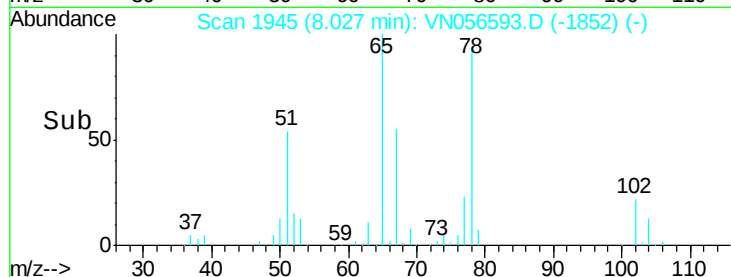
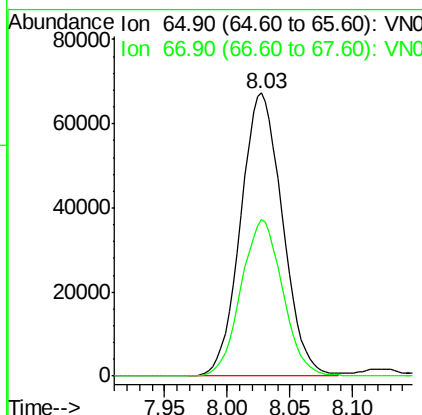
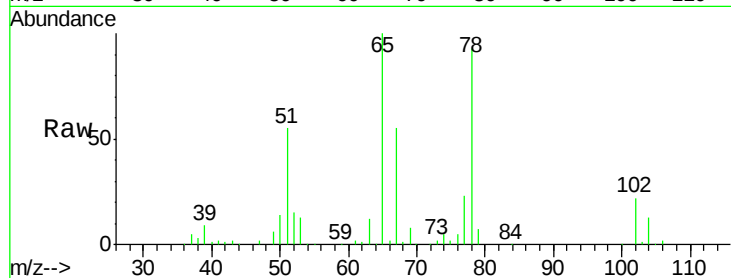
#33
 1,2-Dichloroethane-d4
 Concen: 51.298 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056593.D
 Acq: 3 Jul 2019 18:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0704WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.0	0.0	109.0	

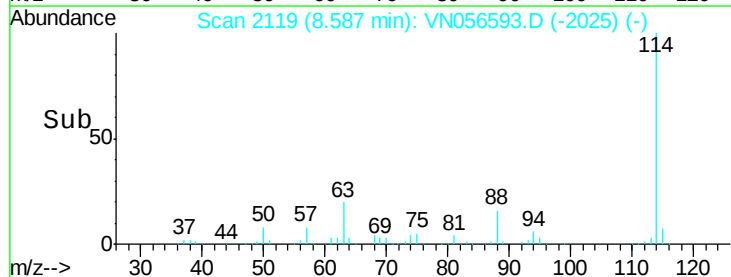
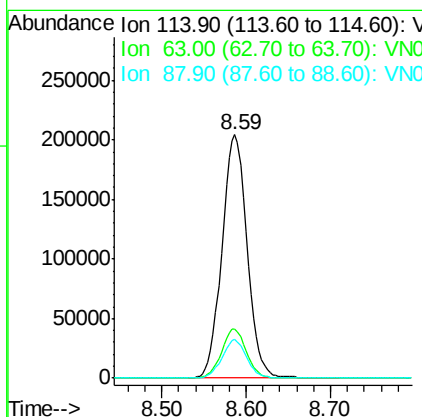
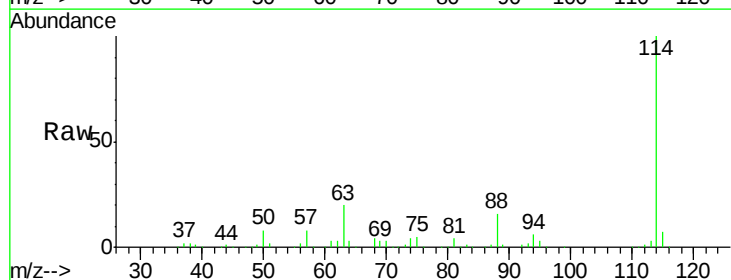
Manual Integrations
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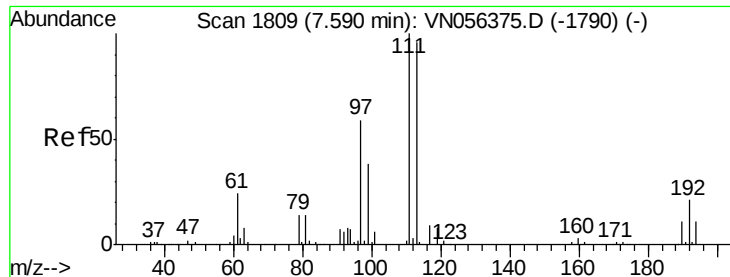
MMDadoda
 7/8/2019 10:08:08 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056593.D
 Acq: 3 Jul 2019 18:38

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.1	0.0	39.2	
88	15.7	0.0	31.4	





#35

Dibromofluoromethane

Concen: 51.317 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN056593.D

Acq: 3 Jul 2019 18:38

Instrument :

MSVOA_N

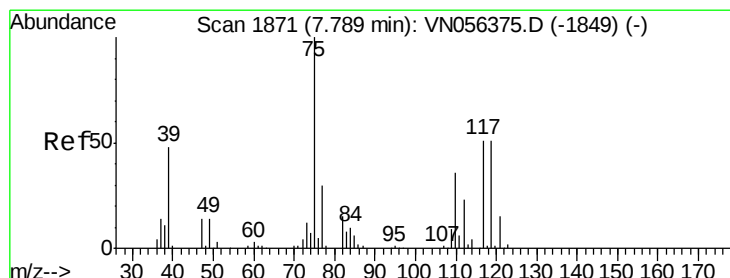
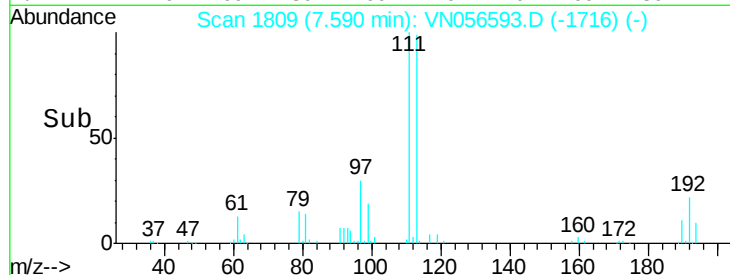
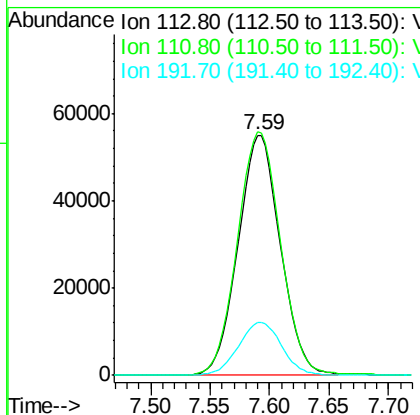
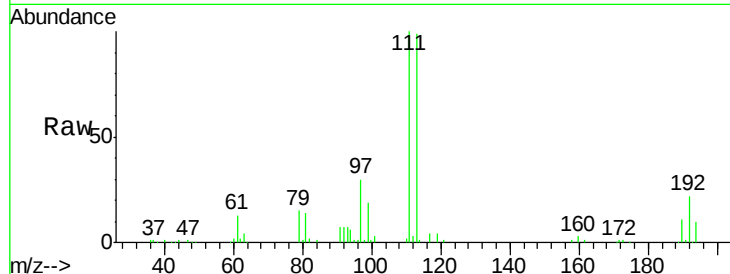
ClientSampled :

VN0704WBS01

Tot Ion:	113	Resp:	135408
Ion Ratio	Lower	Upper	
113	100		
111	103.5	82.9	124.3
192	22.5	17.7	26.5

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 19.594 ug/l

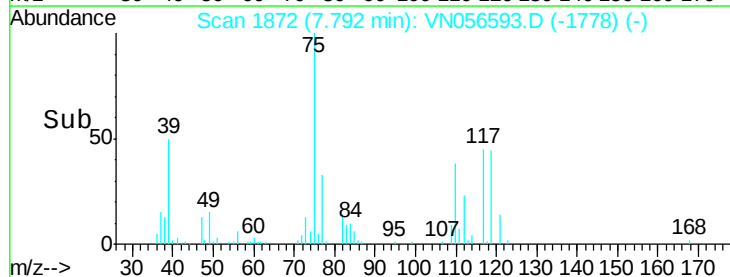
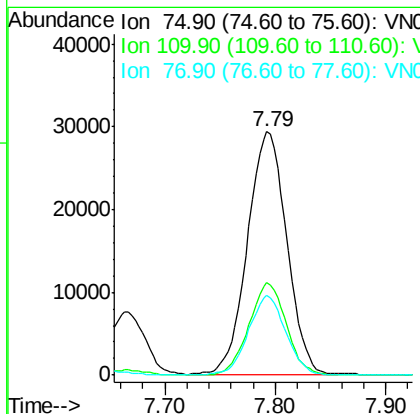
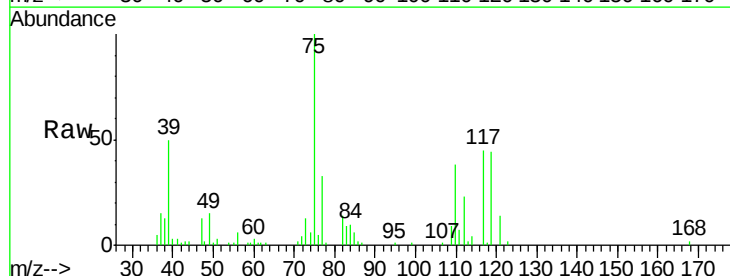
RT: 7.79 min Scan# 1872

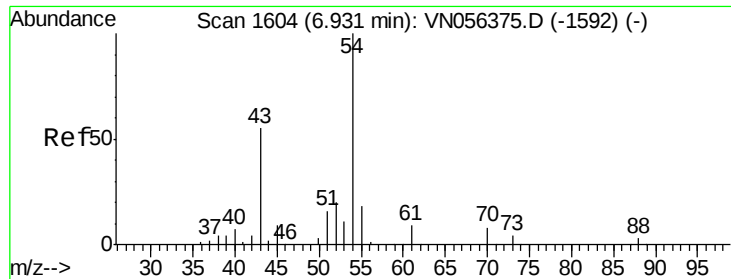
Delta R.T. 0.00 min

Lab File: VN056593.D

Acq: 3 Jul 2019 18:38

Tgt Ion:	75	Resp:	72946
Ion Ratio	Lower	Upper	
75	100		
110	35.6	18.1	54.3
77	30.9	24.6	36.8





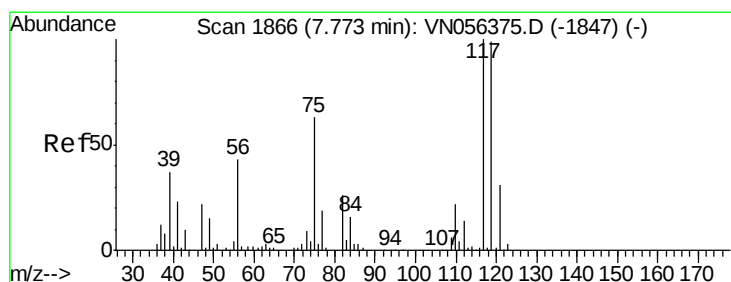
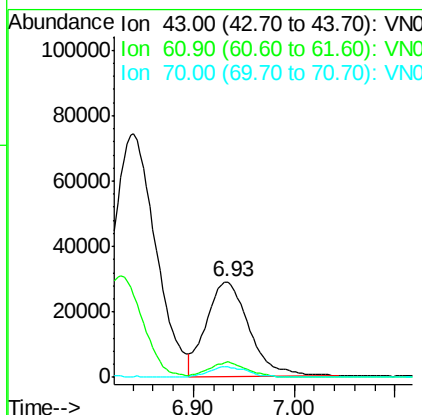
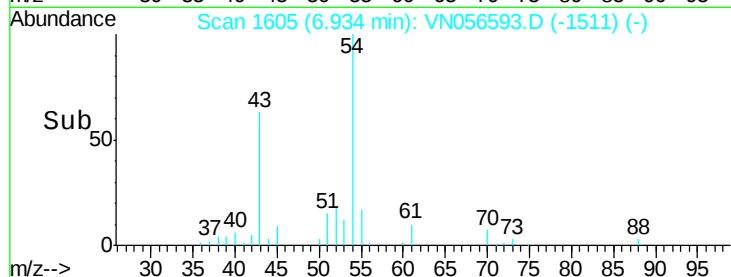
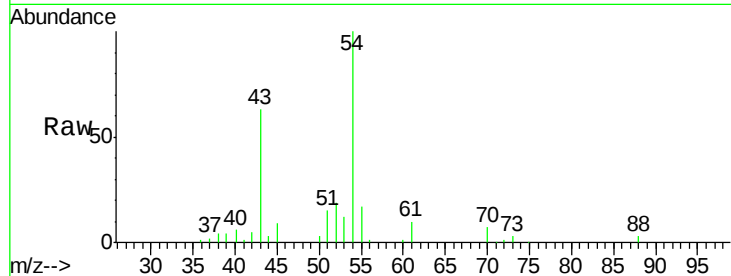
#37
Ethyl Acetate
Concen: 23.341 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN056593.D
Acq: 3 Jul 2019 18:38

Instrument :
MSVOA_N
ClientSampled :
VN0704WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.1	16.7
70	10.3	8.3	12.5

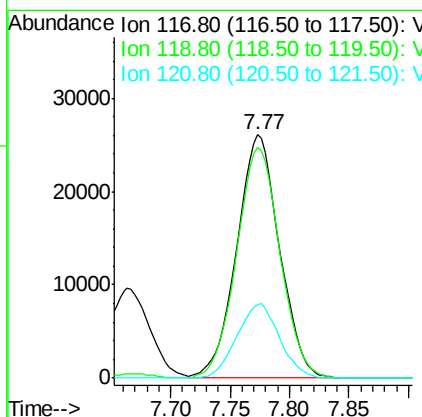
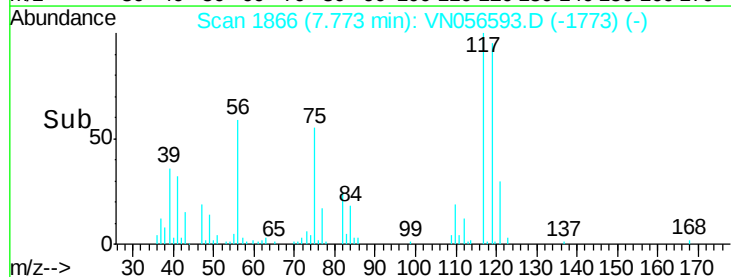
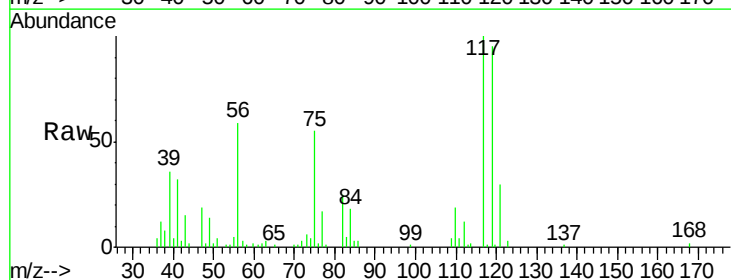
Manual Integrations
APPROVED

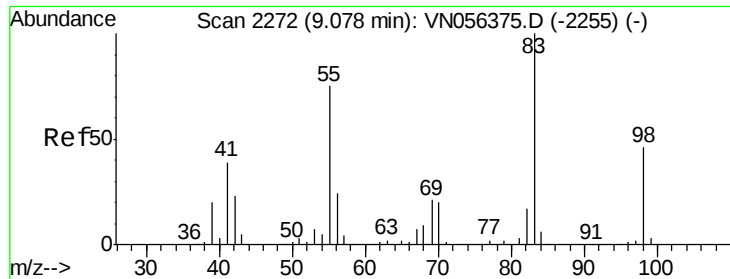
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#38
Carbon Tetrachloride
Concen: 19.951 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN056593.D
Acq: 3 Jul 2019 18:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.5	79.1	118.7
121	30.4	24.8	37.2





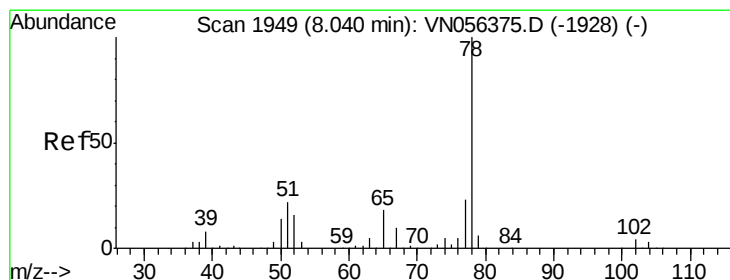
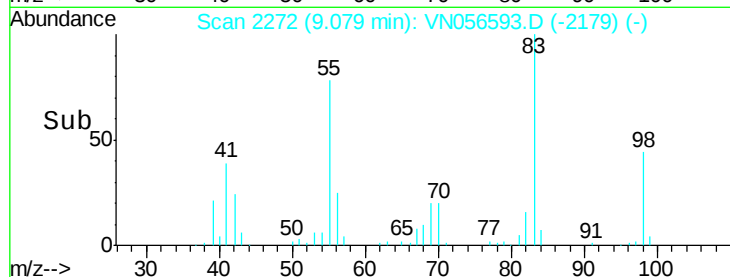
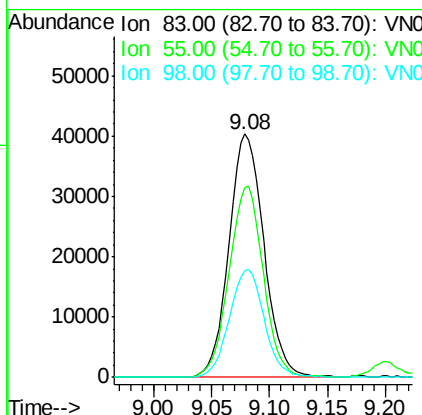
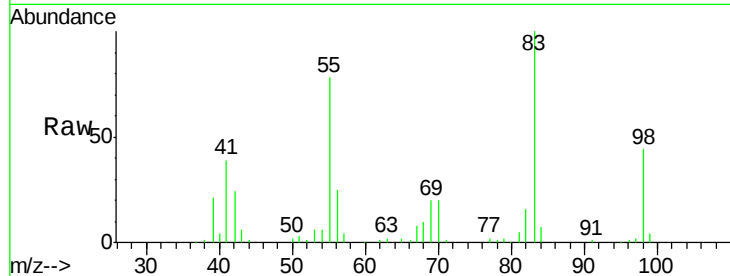
#39
Methvlcvclohexane
Concen: 18.359 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056593.D
Acq: 3 Jul 2019 18:38

Instrument :
MSVOA_N
ClientSampled :
VN0704WBS01

Tot Ion	83	Resp	84339
Ion Ratio	100	Lower	Upper
83	100		
55	77.7	60.0	90.0
98	43.8	36.6	54.8

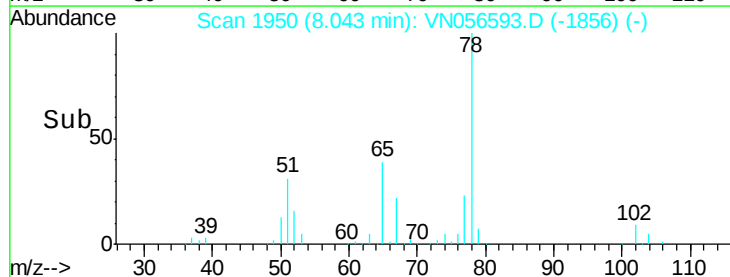
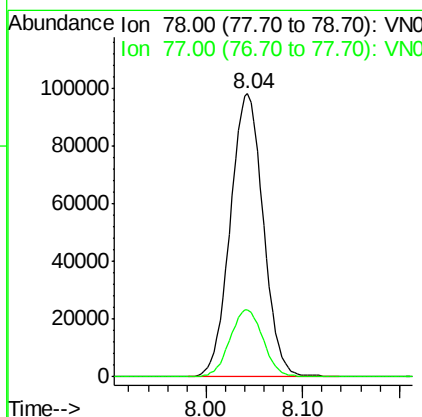
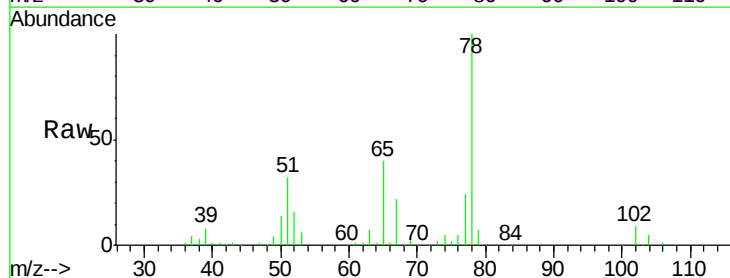
Manual Integrations
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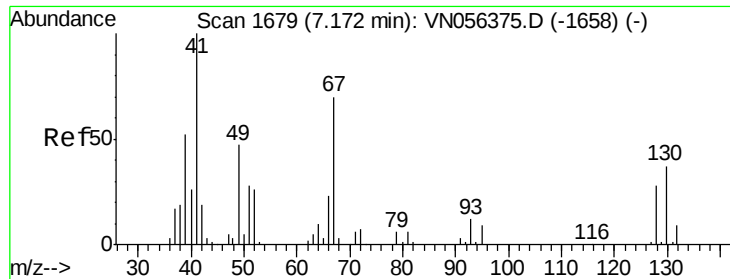
MMDadoda
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#40
Benzene
Concen: 20.278 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN056593.D
Acq: 3 Jul 2019 18:38

Tgt Ion	78	Resp	232217
Ion Ratio	100	Lower	Upper
78	100		
77	23.5	18.3	27.5





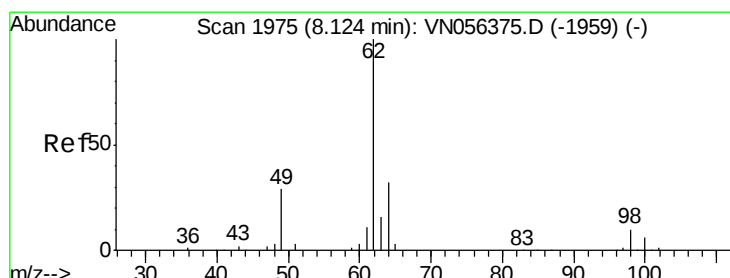
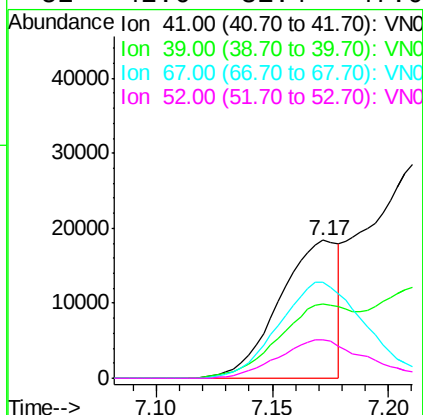
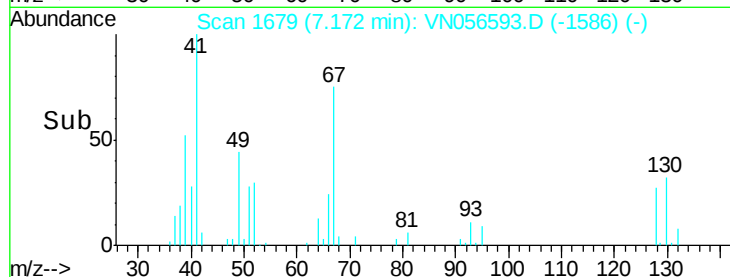
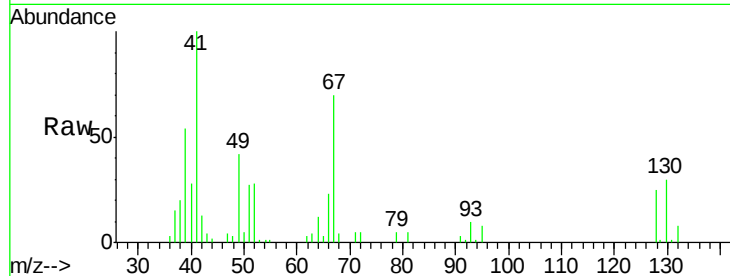
#41
Methacrylonitrile
Concen: 20.073 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN056593.D
Acq: 3 Jul 2019 18:38

Instrument :
MSVOA_N
ClientSampled :
VN0704WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	70.7	55.3	82.9
67	105.0	79.2	118.8
52	42.6	31.4	47.0

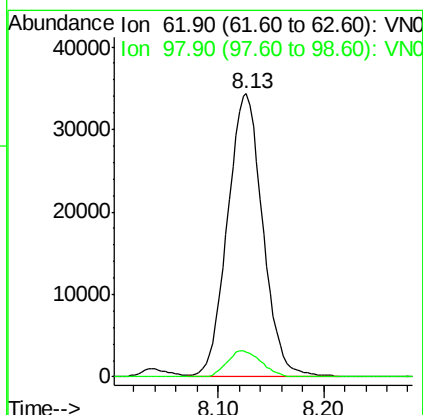
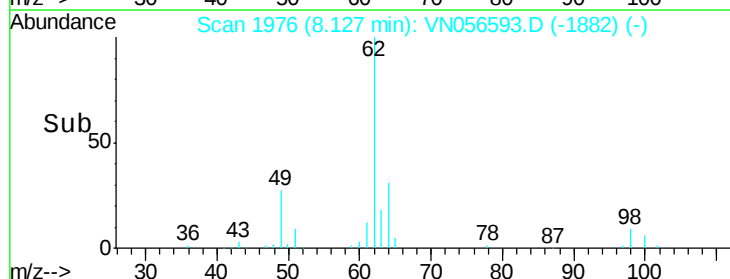
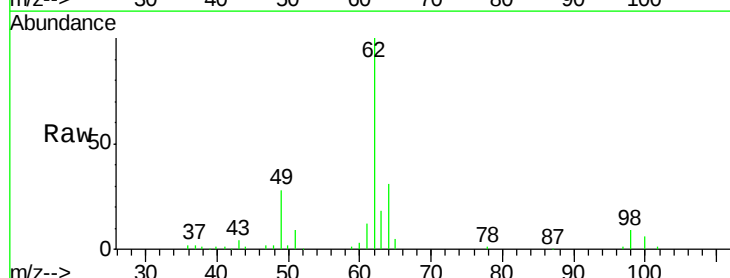
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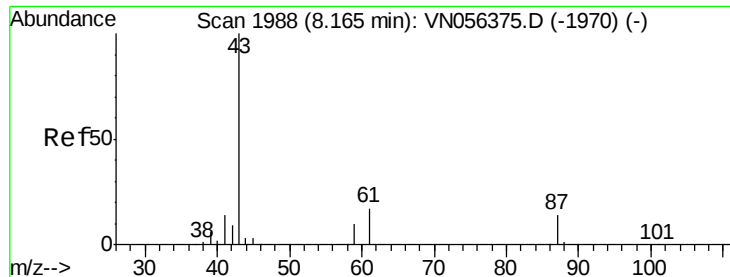
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#42
1,2-Dichloroethane
Concen: 21.087 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN056593.D
Acq: 3 Jul 2019 18:38

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	19.4





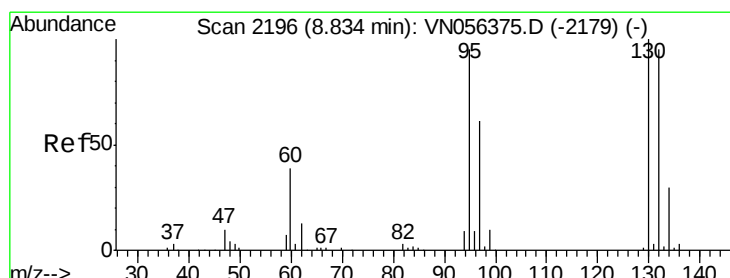
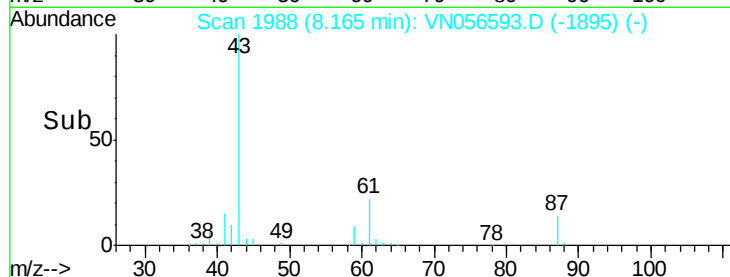
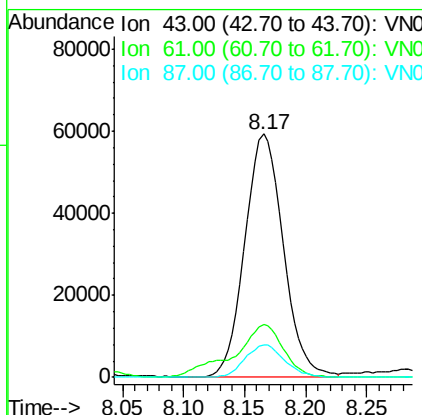
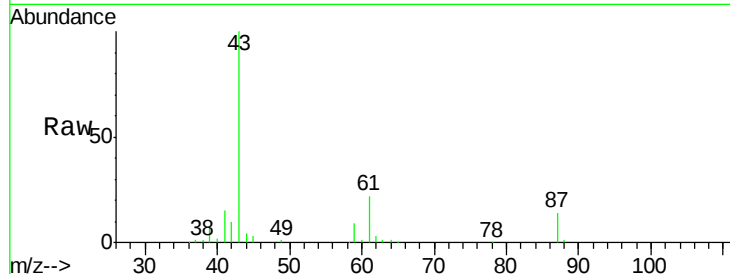
#43
Isopropyl Acetate
Concen: 22.987 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN056593.D
Acq: 3 Jul 2019 18:38

Instrument :
MSVOA_N
ClientSampled :
VN0704WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.0	22.0	33.0
87	13.6	11.0	16.4

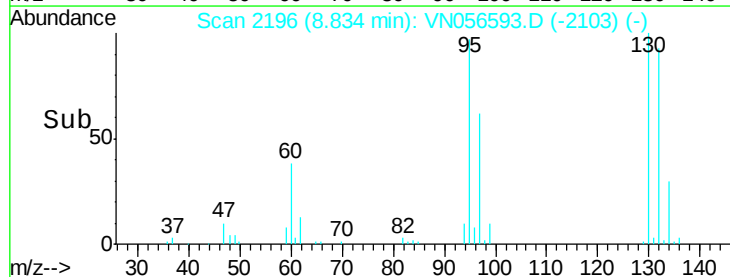
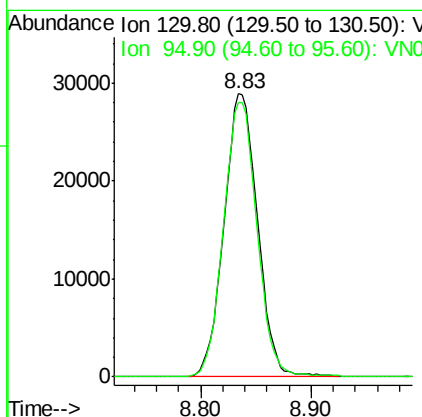
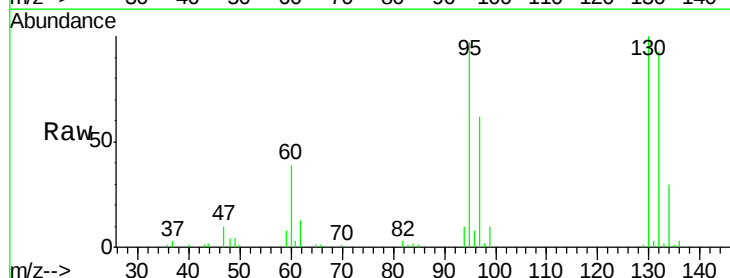
Manual Integrations
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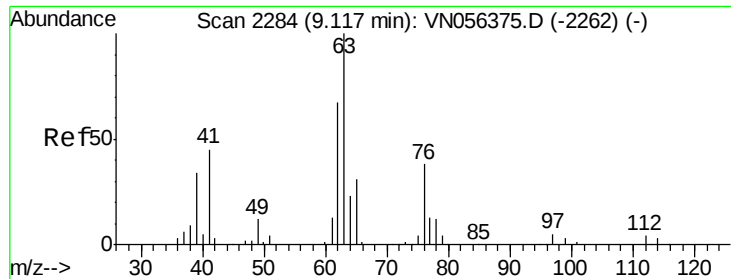
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#44
Trichloroethene
Concen: 19.759 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VN056593.D
Acq: 3 Jul 2019 18:38

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.9	0.0	191.0





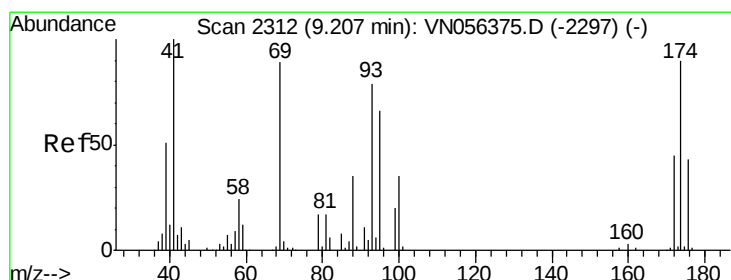
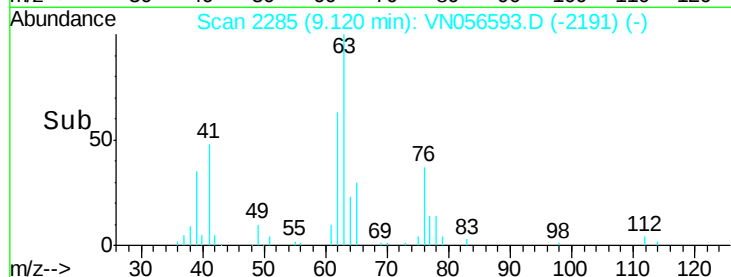
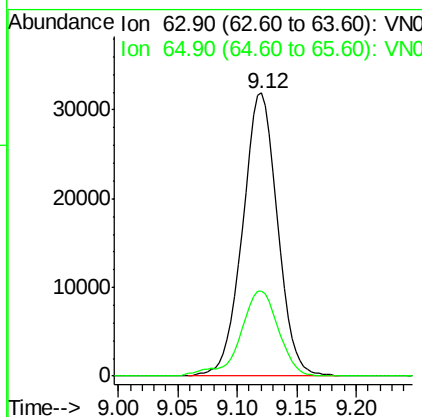
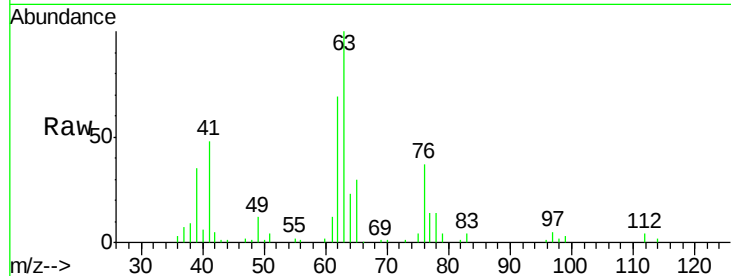
#45
 1,2-Dichloropropane
 Concen: 21.200 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN056593.D
 Acq: 3 Jul 2019 18:38

Instrument :
 MSVOA_N
 ClientSampled :
 VN0704WBS01

Tot Ion: 63 Resp: 64928
 Ion Ratio Lower Upper
 63 100
 65 30.2 25.0 37.6

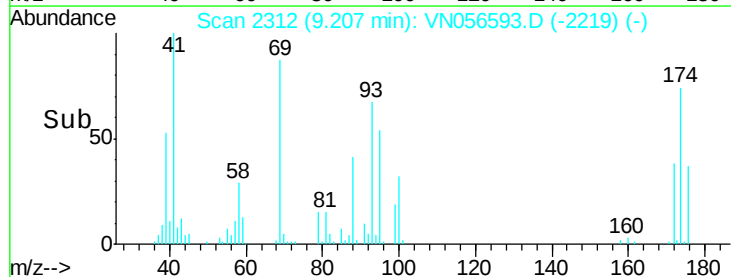
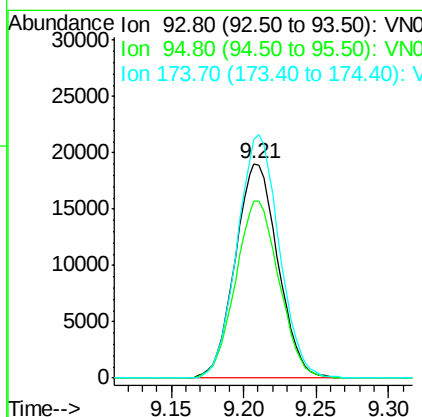
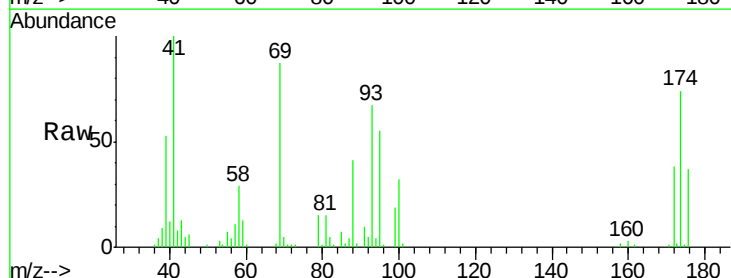
Manual Integrations
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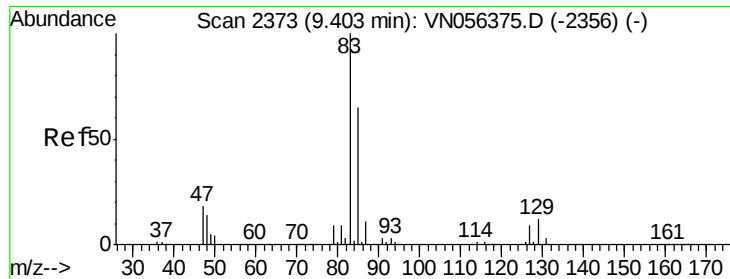
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#46
 Dibromomethane
 Concen: 20.390 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056593.D
 Acq: 3 Jul 2019 18:38

Tgt Ion: 93 Resp: 39070
 Ion Ratio Lower Upper
 93 100
 95 83.9 66.2 99.2
 174 111.6 90.8 136.2





#47

Bromodichloromethane

Concen: 21.125 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056593.D

Acq: 3 Jul 2019 18:38

Instrument :

MSVOA_N

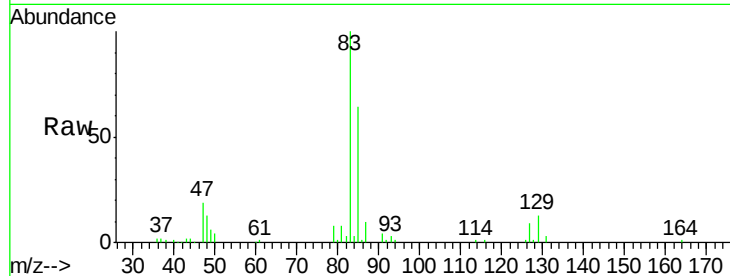
ClientSampleId :

VN0704WBS01

Tot Ion:	83	Resp:	71791
Ion Ratio	Lower	Upper	
83	100		
85	64.3	52.2	78.4
127	9.2	7.3	10.9

Manual Integrations
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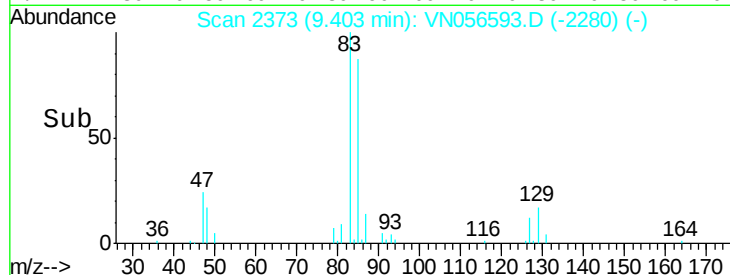


Abundance Ion 82.90 (82.60 to 83.60): VN056593.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN056593.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN056593.D (-2280) (-)

Time-->

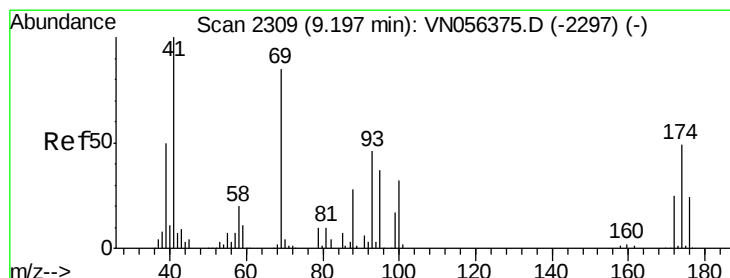


Abundance Ion 82.90 (82.60 to 83.60): VN056593.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN056593.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN056593.D (-2280) (-)

Time-->



#48

Methyl methacrylate

Concen: 21.766 ug/l

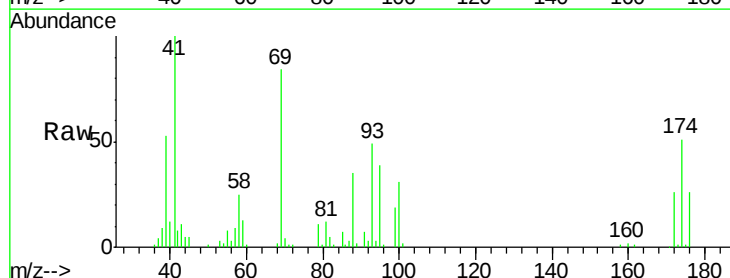
RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN056593.D

Acq: 3 Jul 2019 18:38

Tgt Ion:	41	Resp:	61536
Ion Ratio	Lower	Upper	
41	100		
69	89.5	72.6	109.0
39	54.2	42.6	63.8

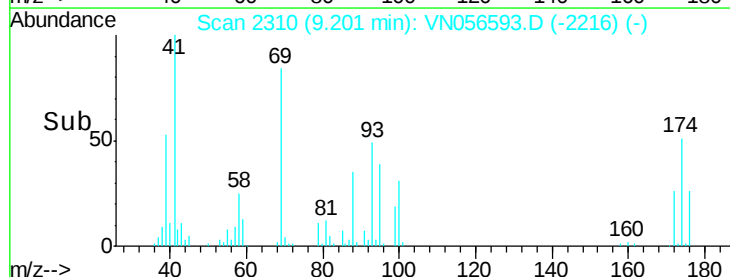


Abundance Ion 41.00 (40.70 to 41.70): VN056593.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN056593.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN056593.D (-2216) (-)

Time-->

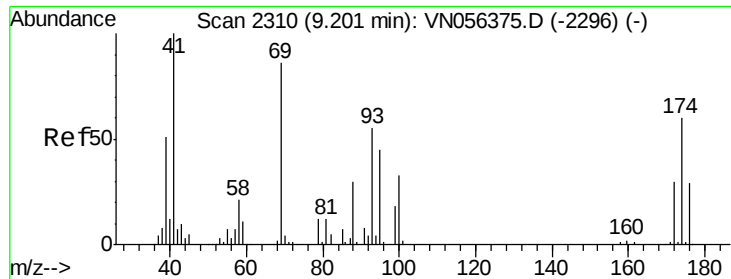


Abundance Ion 41.00 (40.70 to 41.70): VN056593.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN056593.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN056593.D (-2216) (-)

Time-->



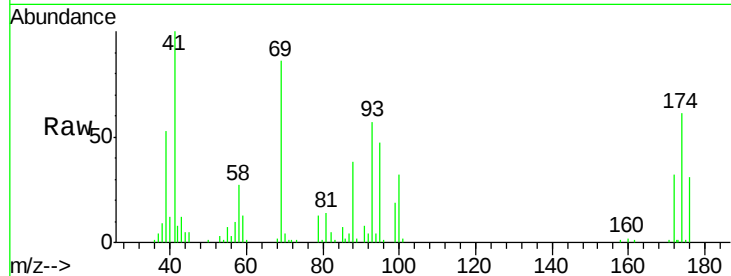
#49
1,4-Dioxane
Concen: 470.912 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN056593.D
Acq: 3 Jul 2019 18:38

Instrument :
MSVOA_N
ClientSampleId :
VN0704WBS01

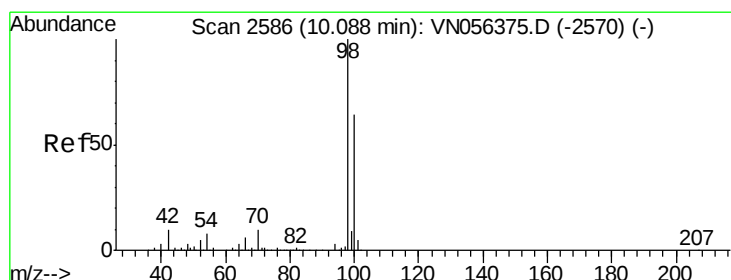
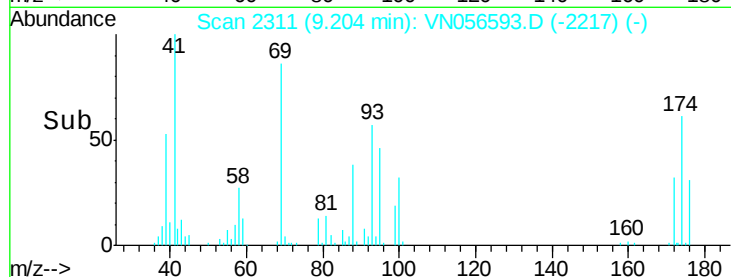
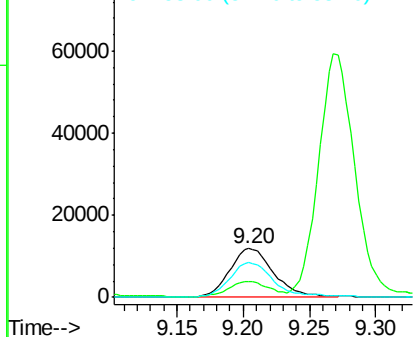
Tot Ion	88	Resp	27628
Ion	Ratio	Lower	Upper
88	100		
43	28.8	22.0	33.0
58	72.0	51.8	77.8

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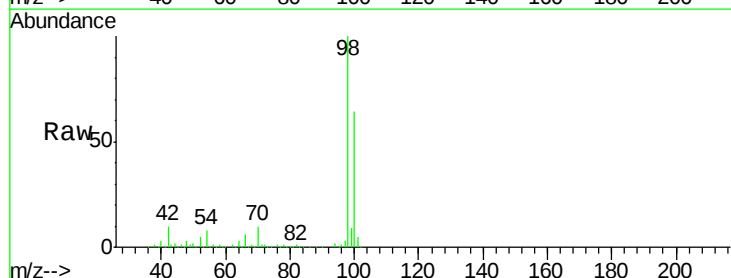


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

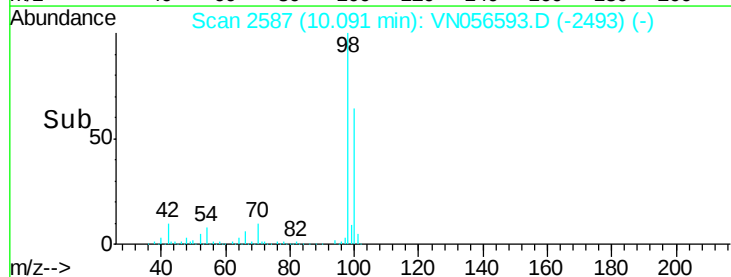
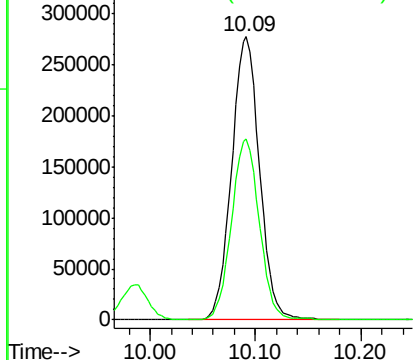


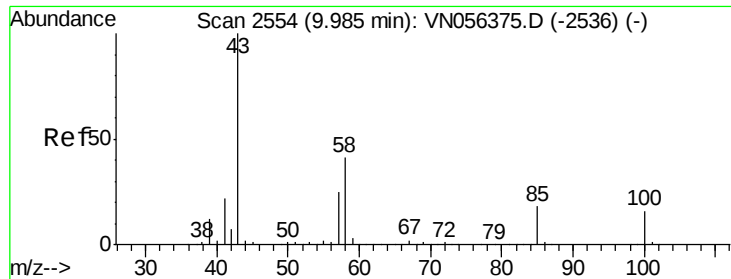
#50
Toluene-d8
Concen: 49.415 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN056593.D
Acq: 3 Jul 2019 18:38

Tgt Ion	98	Resp	507356
Ion	Ratio	Lower	Upper
98	100		
100	63.9	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: 117.809 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056593.D

Acq: 3 Jul 2019 18:38

Instrument :

MSVOA_N

ClientSampled :

VN0704WBS01

Tot Ion: 43 Resp: 428979

Ion Ratio Lower Upper

43 100

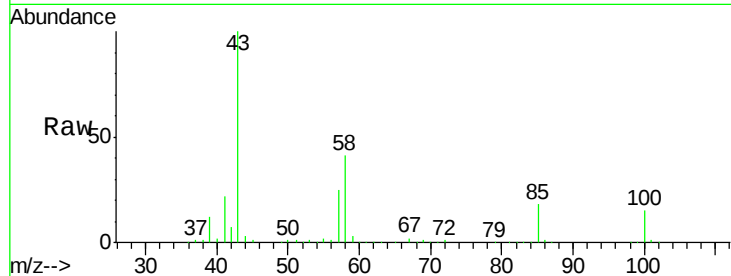
58 39.6 31.8 47.8

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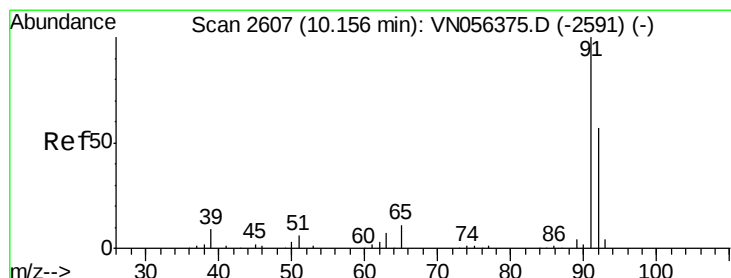
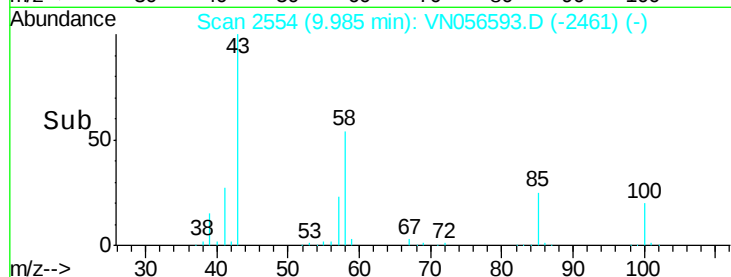
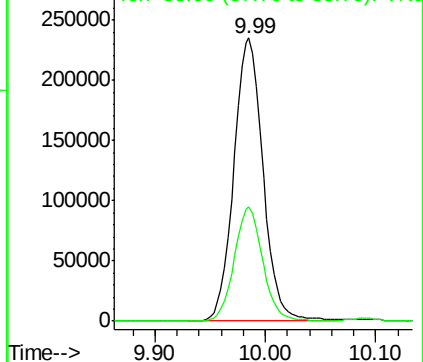
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.206 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056593.D

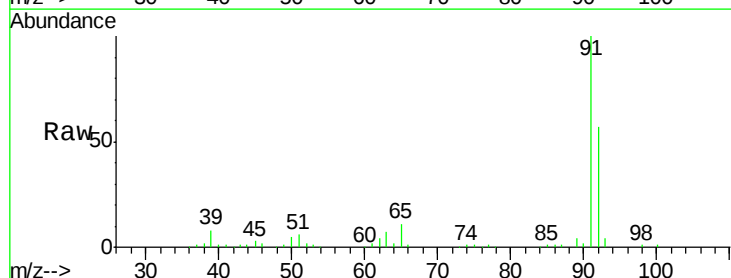
Acq: 3 Jul 2019 18:38

Tgt Ion: 92 Resp: 141472

Ion Ratio Lower Upper

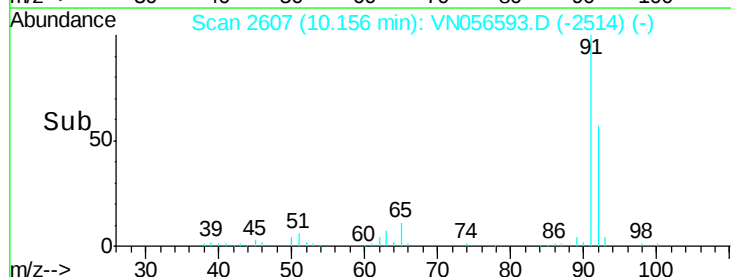
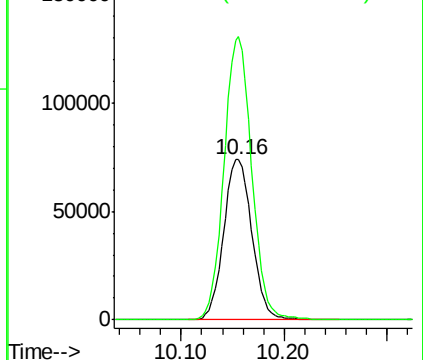
92 100

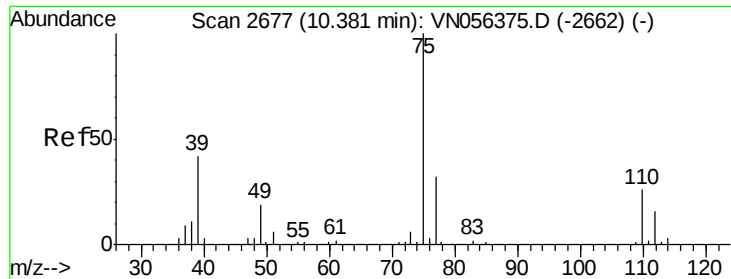
91 172.6 140.6 211.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





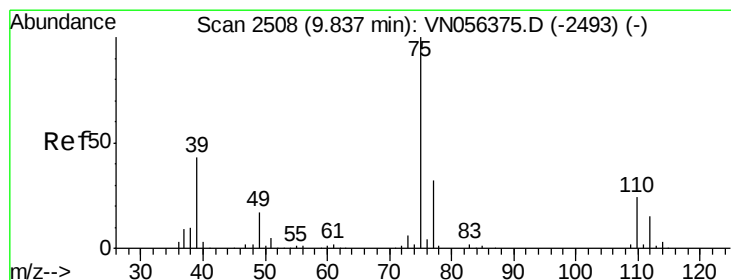
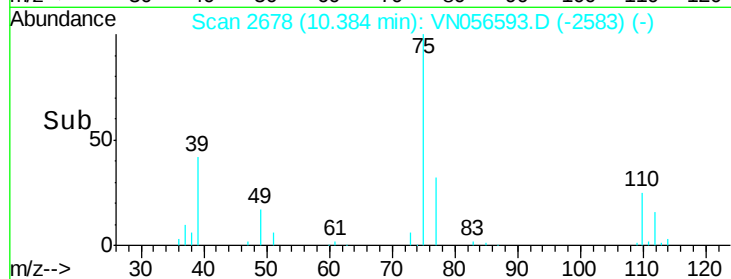
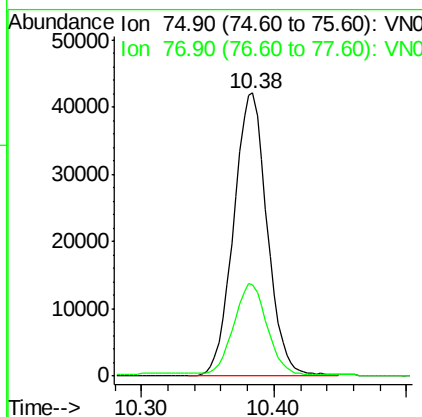
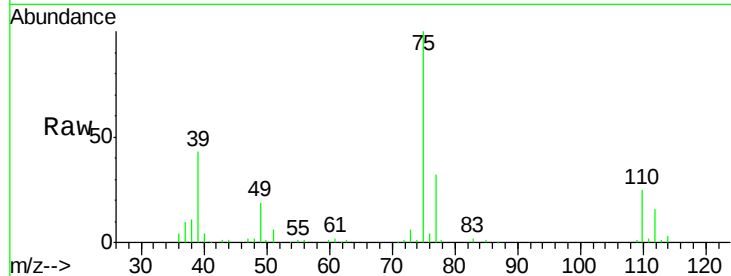
#53
t-1,3-Dichloropropene
Concen: 20.520 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN056593.D
Acq: 3 Jul 2019 18:38

Instrument :
MSVOA_N
ClientSampleId :
VN0704WBS01

Tot Ion: 75 Resp: 74057
Ion Ratio Lower Upper
75 100
77 31.9 25.4 38.2

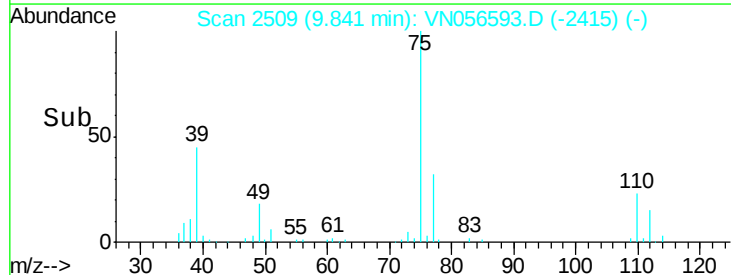
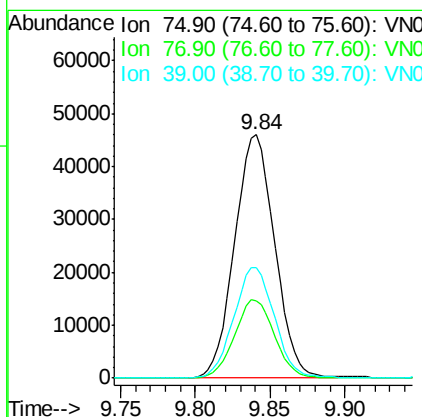
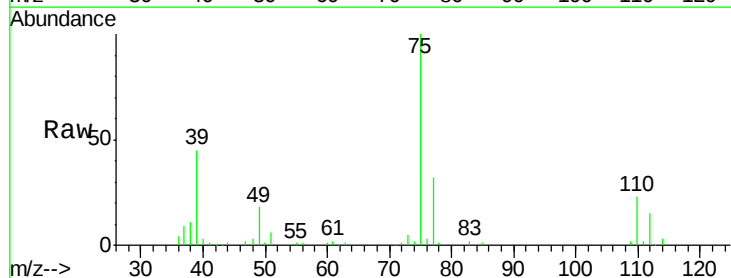
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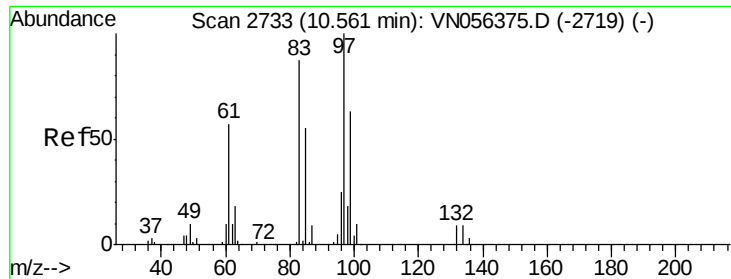
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#54
cis-1,3-Dichloropropene
Concen: 21.018 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN056593.D
Acq: 3 Jul 2019 18:38

Tgt Ion: 75 Resp: 86012
Ion Ratio Lower Upper
75 100
77 32.0 25.2 37.8
39 45.3 34.2 51.4





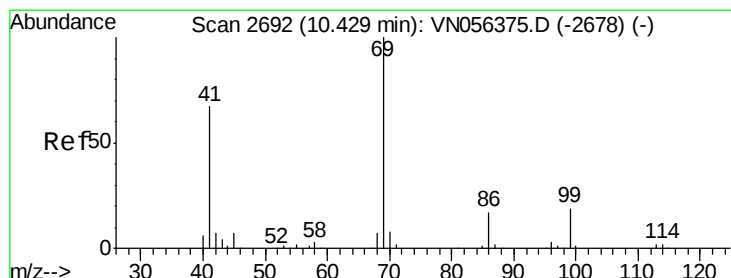
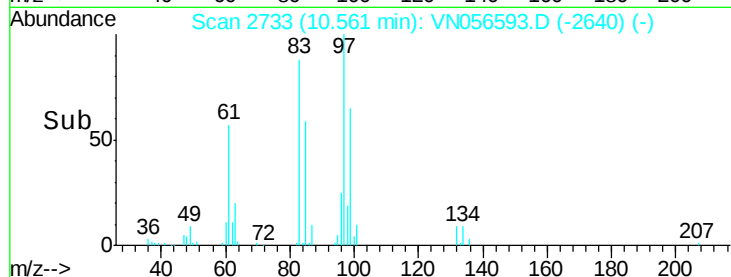
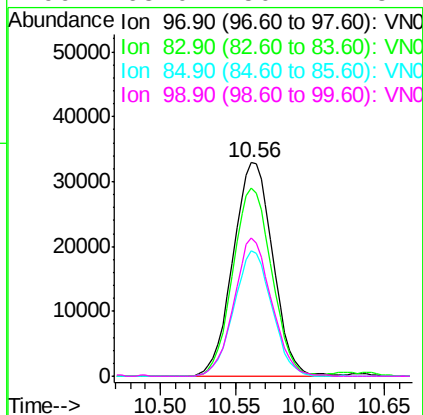
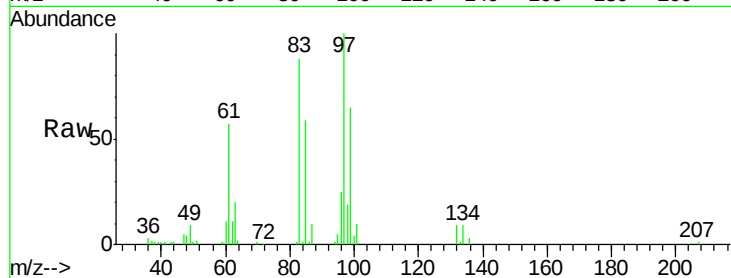
#55
 1,1,2-Trichloroethane
 Concen: 21.712 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056593.D
 Acq: 3 Jul 2019 18:38

Instrument :
 MSVOA_N
 ClientSampled :
 VN0704WBS01

Tot Ion:	97	Resp:	61103
Ion	Ratio	Lower	Upper
97	100		
83	88.1	69.8	104.6
85	58.5	43.8	65.8
99	65.0	50.2	75.2

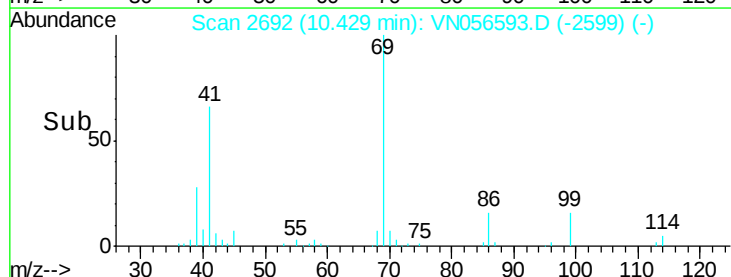
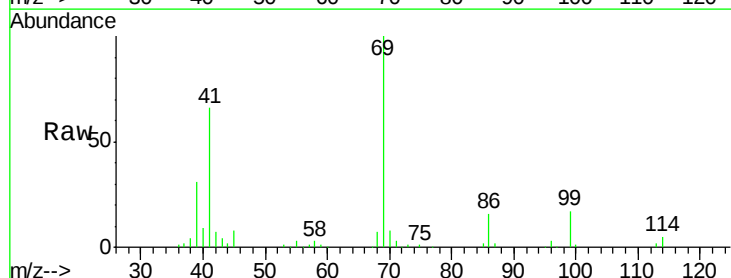
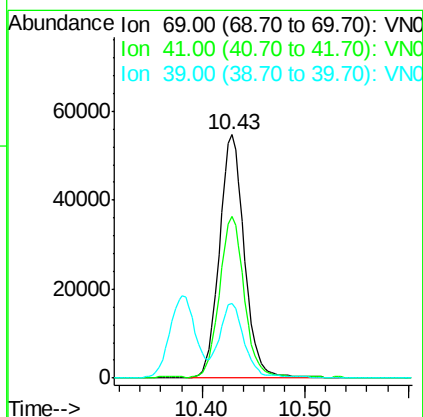
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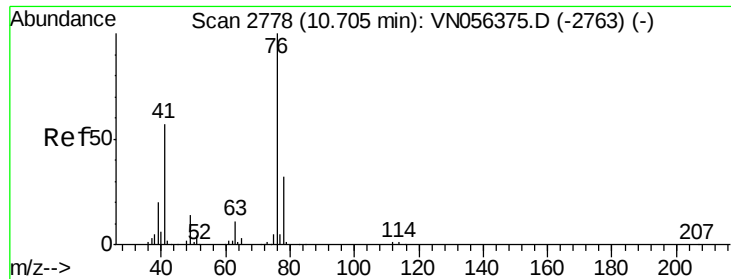
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#56
 Ethyl methacrylate
 Concen: 22.421 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN056593.D
 Acq: 3 Jul 2019 18:38

Tgt Ion:	69	Resp:	92215
Ion	Ratio	Lower	Upper
69	100		
41	65.2	51.4	77.2
39	30.2	24.7	37.1





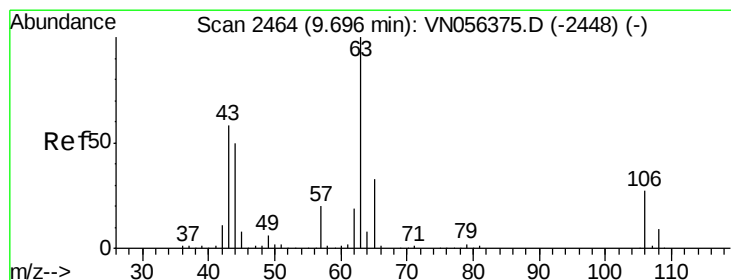
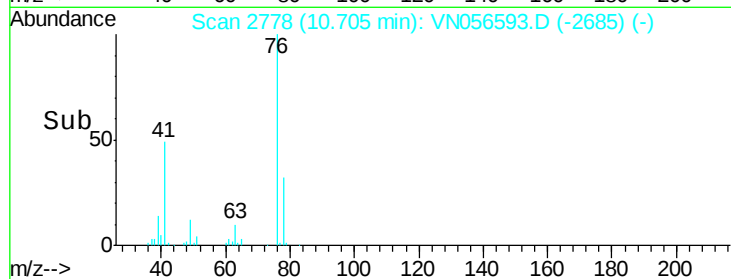
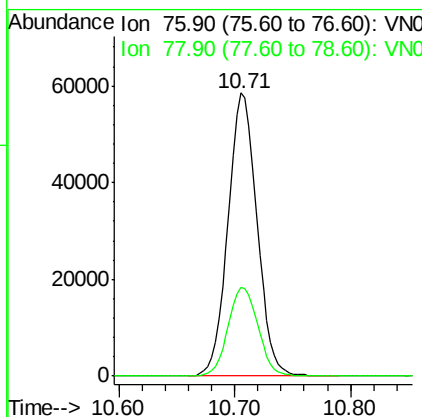
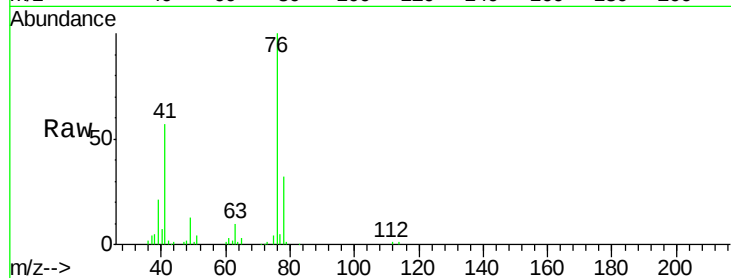
#57
 1,3-Dichloropropane
 Concen: 21.452 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN056593.D
 Acq: 3 Jul 2019 18:38

Instrument :
 MSVOA_N
 ClientSampled :
 VN0704WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.9	38.9

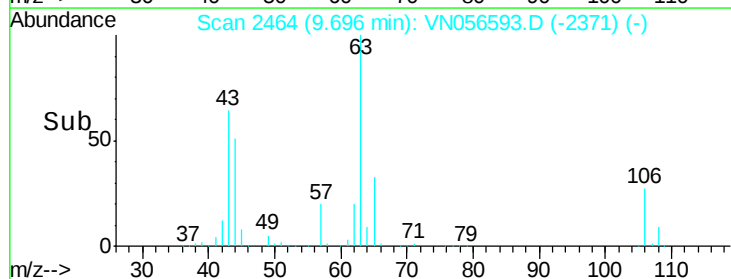
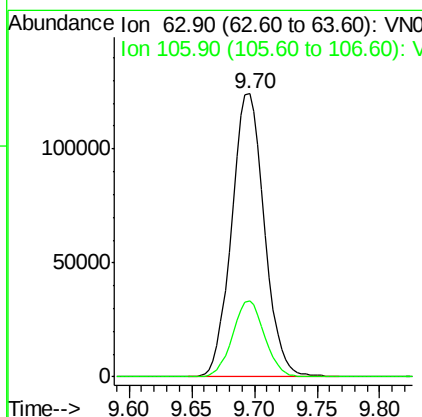
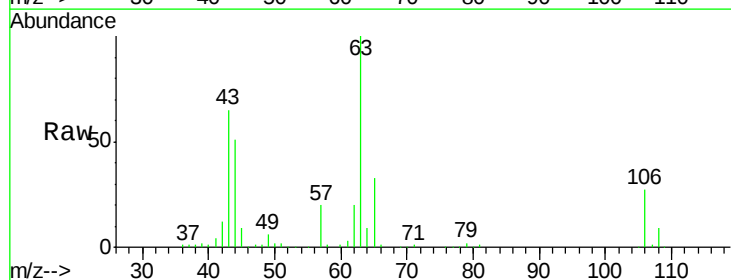
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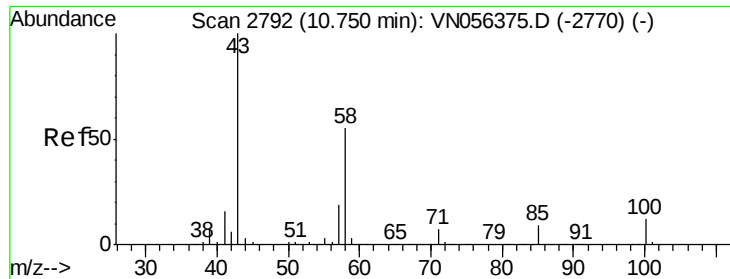
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 152.444 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN056593.D
 Acq: 3 Jul 2019 18:38

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.3	21.6	32.4





#59

2-Hexanone

Concen: 114.318 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN056593.D

Acq: 3 Jul 2019 18:38

Instrument :

MSVOA_N

ClientSampled :

VN0704WBS01

Tot Ion: 43 Resp: 305942

Ion Ratio Lower Upper

43 100

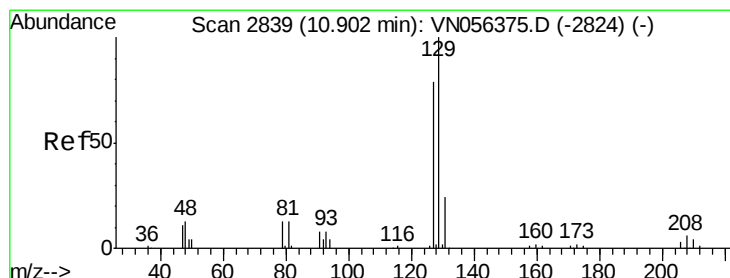
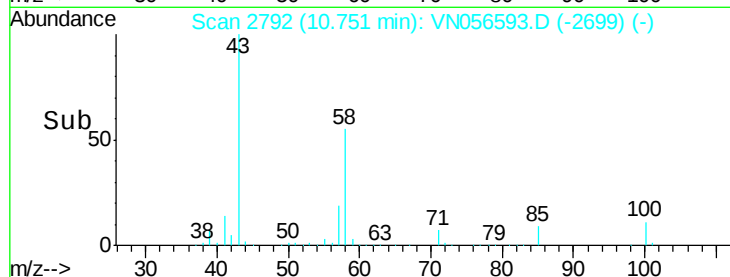
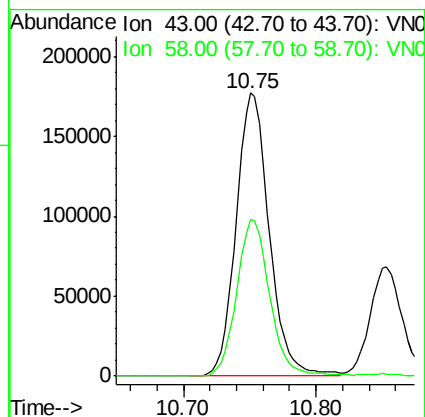
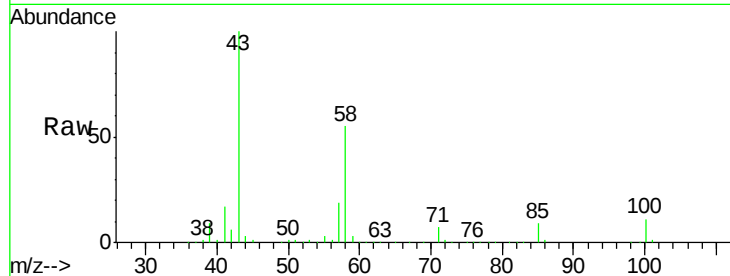
58 55.4 27.8 83.4

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#60

Dibromochloromethane

Concen: 20.803 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN056593.D

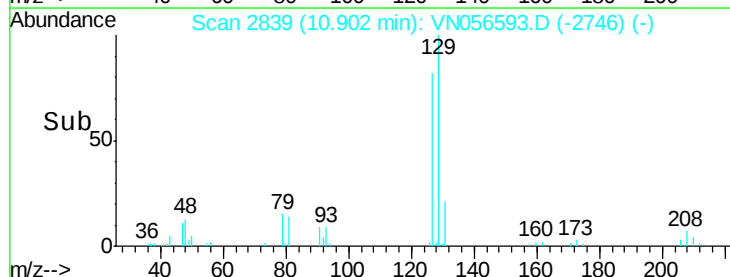
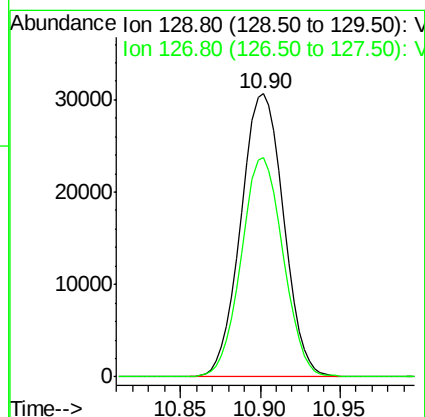
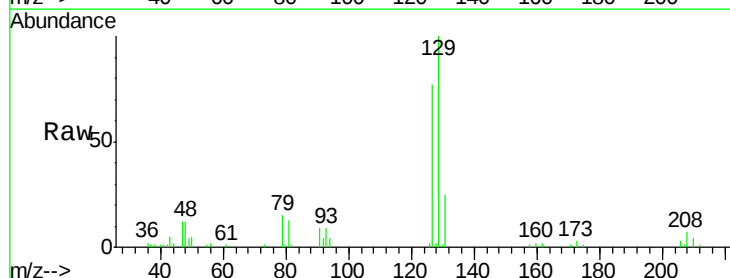
Acq: 3 Jul 2019 18:38

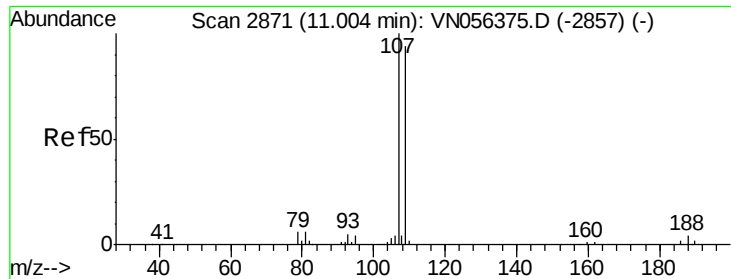
Tgt Ion: 129 Resp: 55952

Ion Ratio Lower Upper

129 100

127 76.0 38.9 116.7





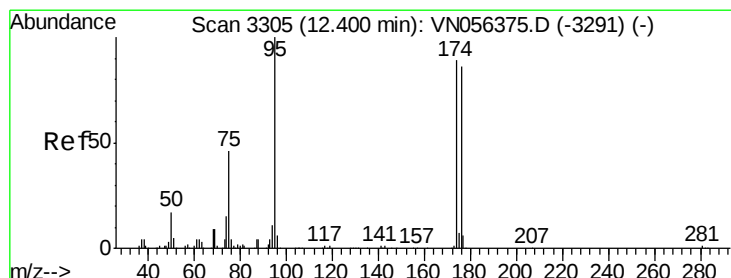
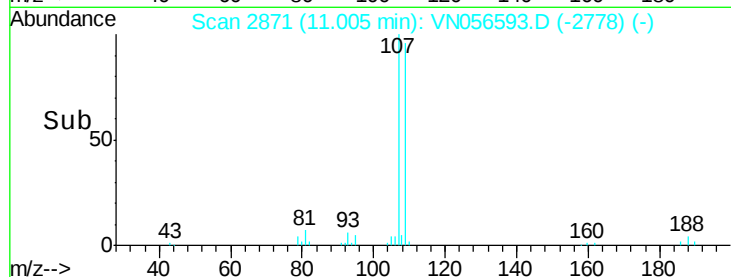
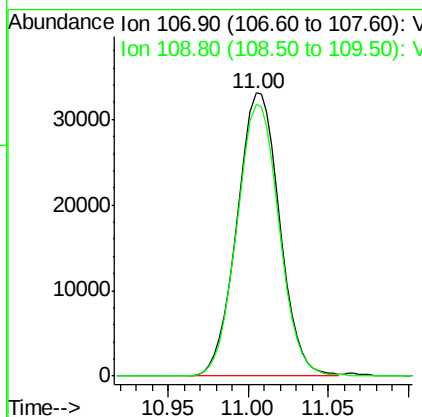
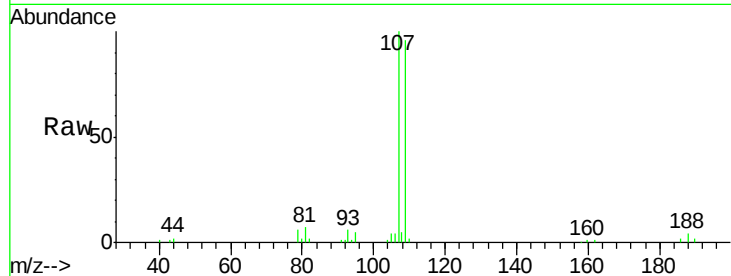
#61
 1,2-Dibromoethane
 Concen: 20.895 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN056593.D
 Acq: 3 Jul 2019 18:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0704WBS01

Tot Ion: 107 Resp: 60060
 Ion Ratio Lower Upper
 107 100
 109 95.4 75.3 112.9

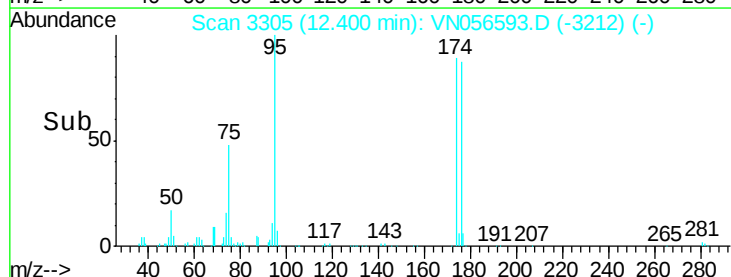
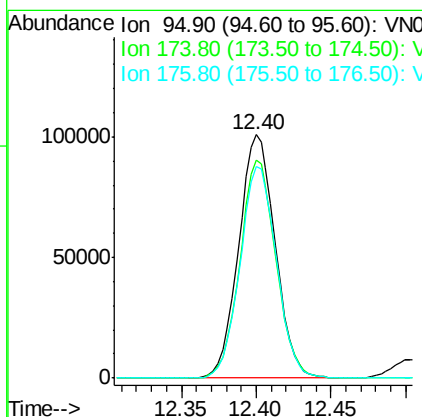
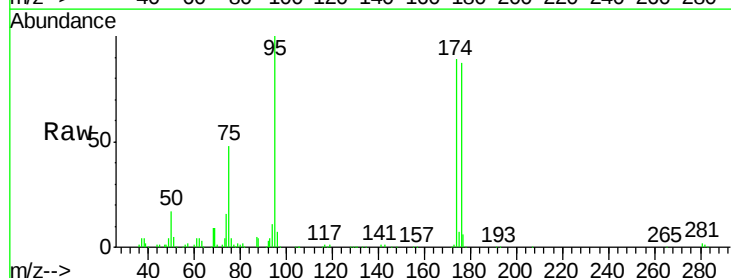
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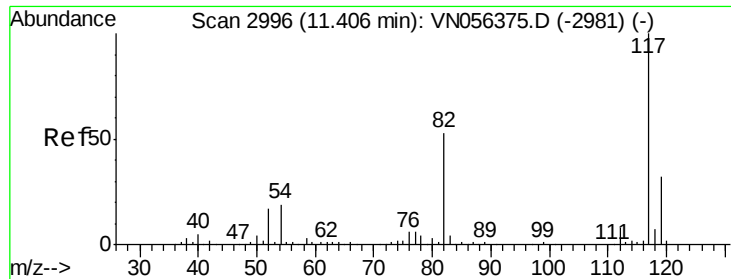
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#62
 4-Bromofluorobenzene
 Concen: 49.935 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN056593.D
 Acq: 3 Jul 2019 18:38

Tgt Ion: 95 Resp: 170912
 Ion Ratio Lower Upper
 95 100
 174 88.5 0.0 179.4
 176 87.0 0.0 173.4





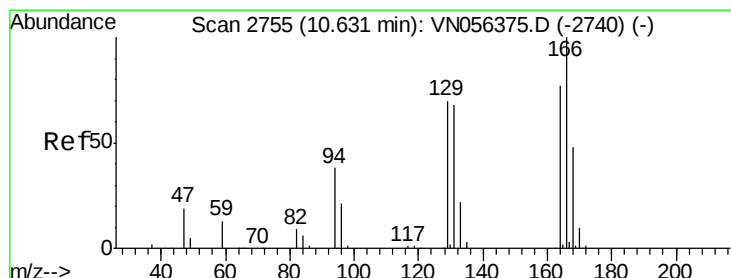
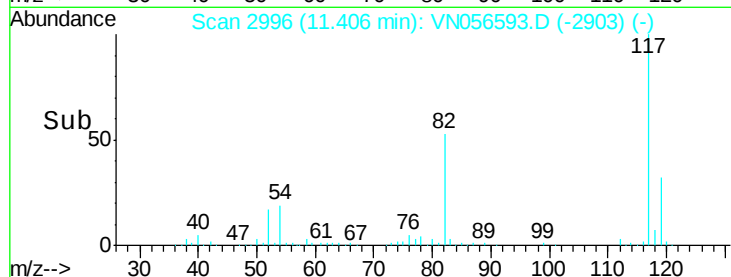
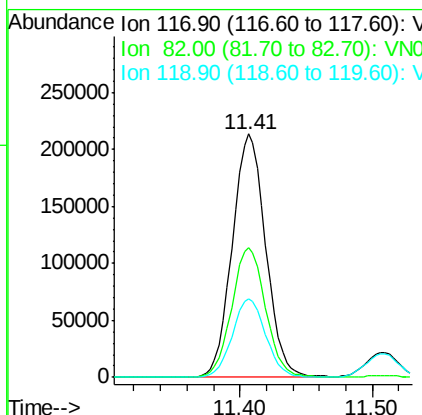
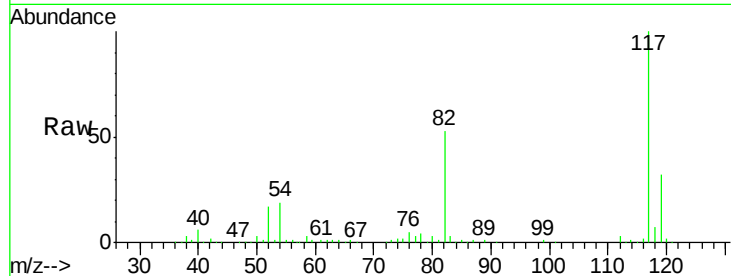
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056593.D
Acq: 3 Jul 2019 18:38

Instrument :
MSVOA_N
ClientSampleId :
VN0704WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.3	42.0	63.0
119	32.3	25.3	37.9

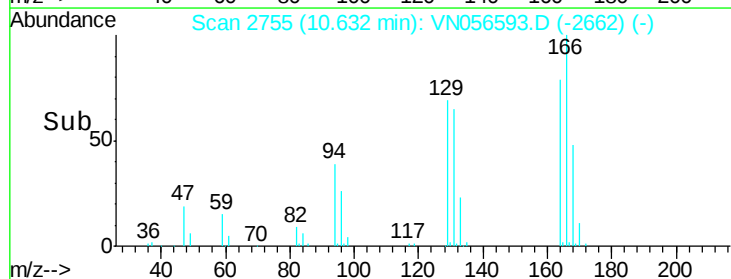
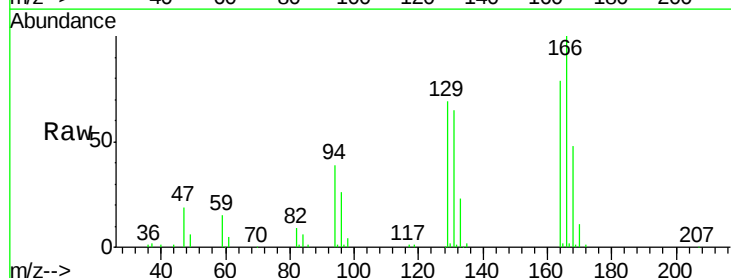
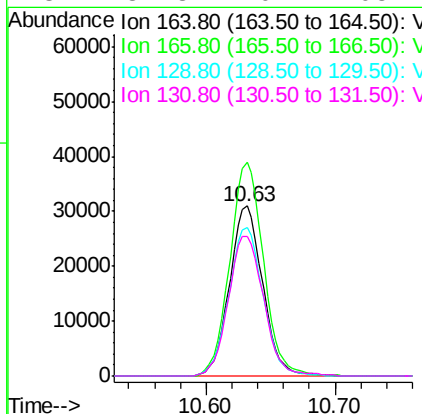
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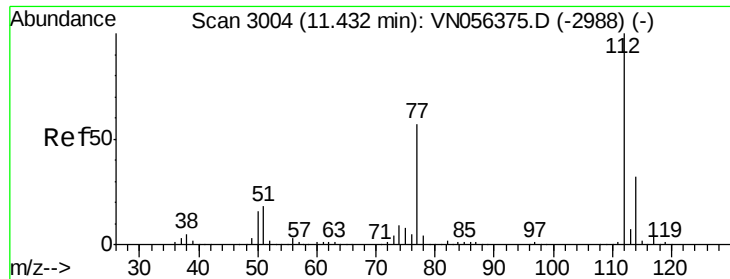
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#64
Tetrachloroethene
Concen: 18.619 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056593.D
Acq: 3 Jul 2019 18:38

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.9	103.4	155.0
129	87.4	72.0	108.0
131	82.3	70.2	105.2





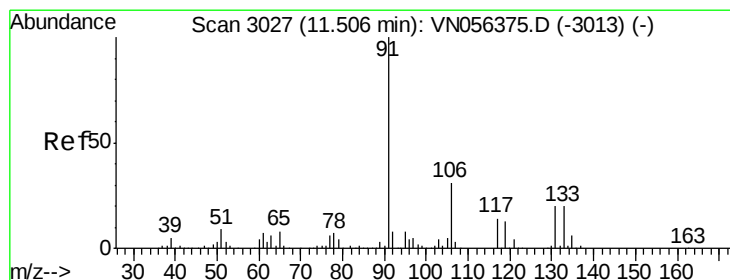
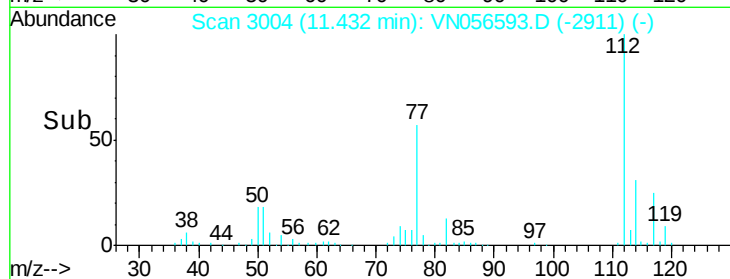
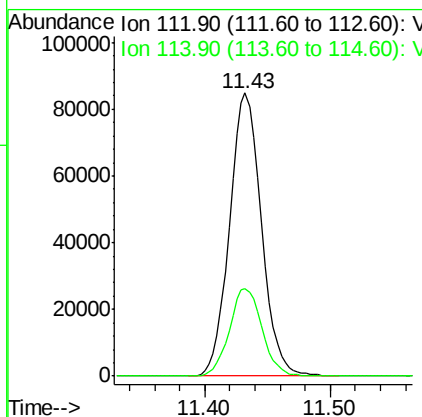
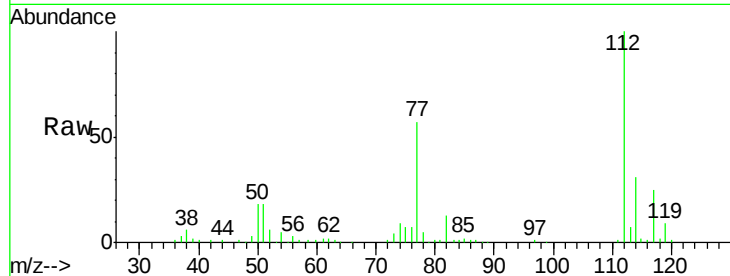
#65
Chlorobenzene
Concen: 19.921 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056593.D
Acq: 3 Jul 2019 18:38

Instrument :
MSVOA_N
ClientSampled :
VN0704WBS01

Tot Ion:112 Resp: 149834
Ion Ratio Lower Upper
112 100
114 30.9 25.4 38.2

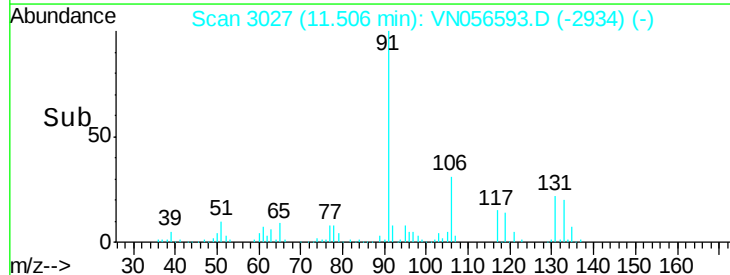
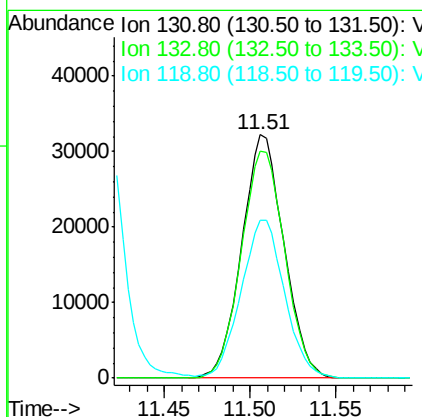
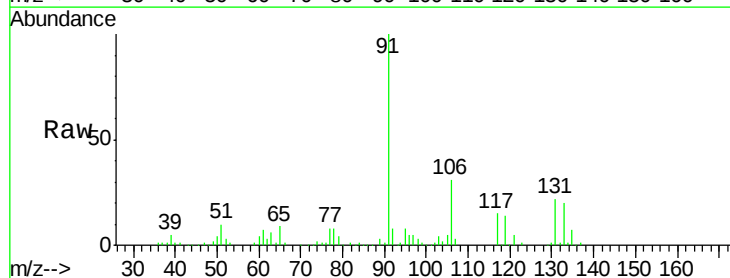
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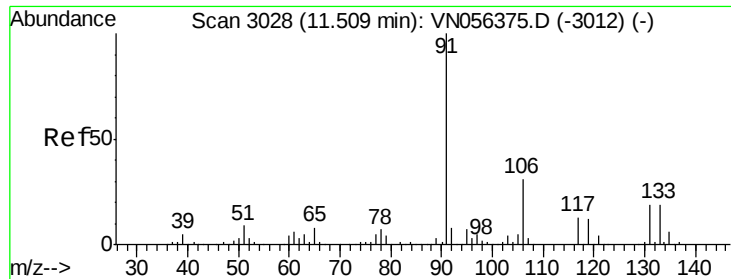
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.552 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN056593.D
Acq: 3 Jul 2019 18:38

Tgt Ion:131 Resp: 54786
Ion Ratio Lower Upper
131 100
133 96.3 47.4 142.2
119 67.0 32.8 98.4





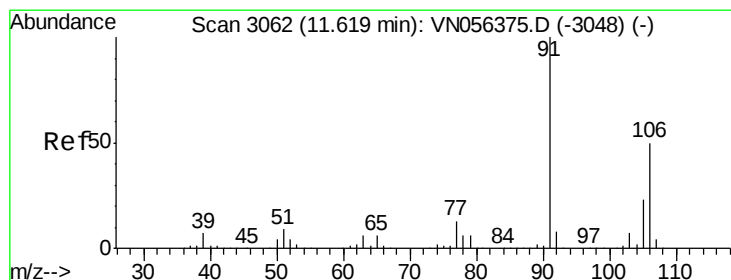
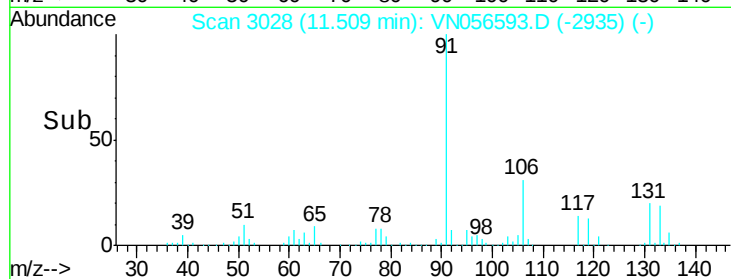
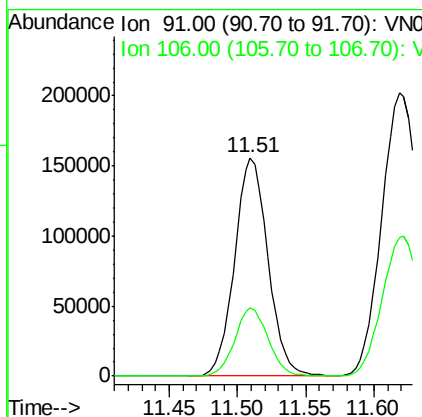
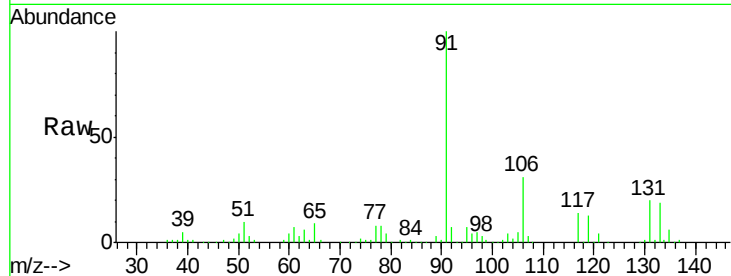
#67
Ethyl Benzene
Concen: 20.057 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056593.D
Acq: 3 Jul 2019 18:38

Instrument :
MSVOA_N
ClientSampled :
VN0704WBS01

Tot Ion: 91 Resp: 264889
Ion Ratio Lower Upper
91 100
106 31.3 25.1 37.7

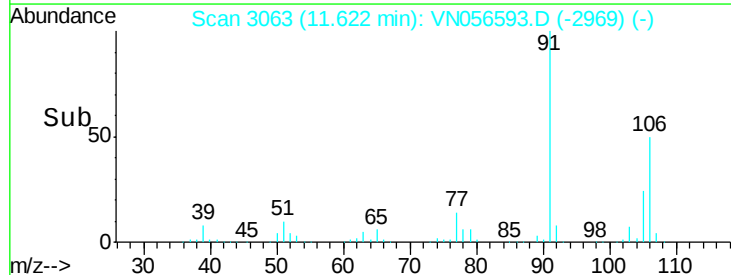
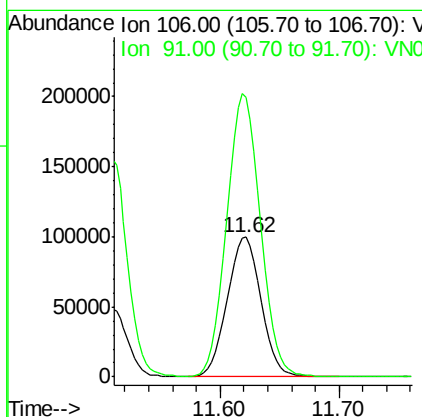
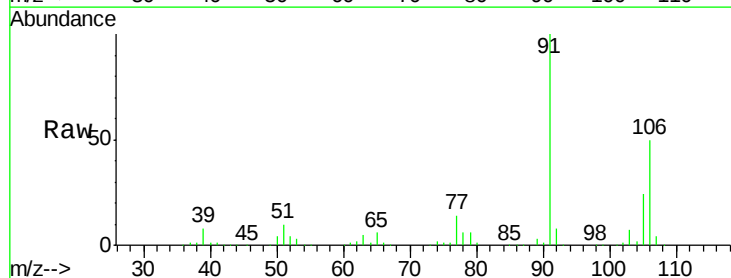
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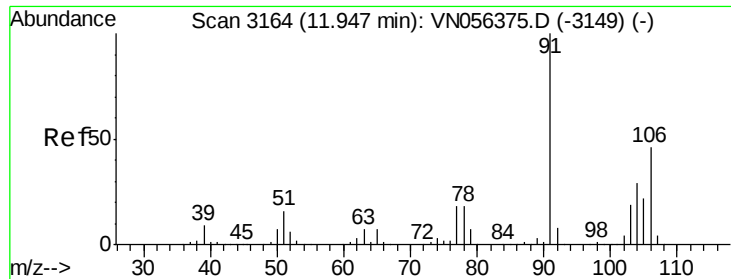
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#68
m/p-Xylenes
Concen: 40.595 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN056593.D
Acq: 3 Jul 2019 18:38

Tgt Ion: 106 Resp: 196479
Ion Ratio Lower Upper
106 100
91 201.9 160.1 240.1





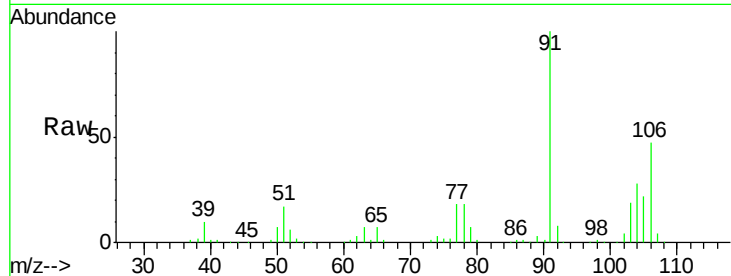
#69
o-Xylene
Concen: 20.353 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056593.D
Acq: 3 Jul 2019 18:38

Instrument :
MSVOA_N
ClientSampled :
VN0704WBS01

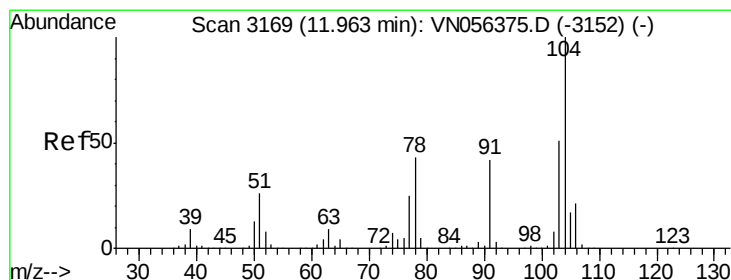
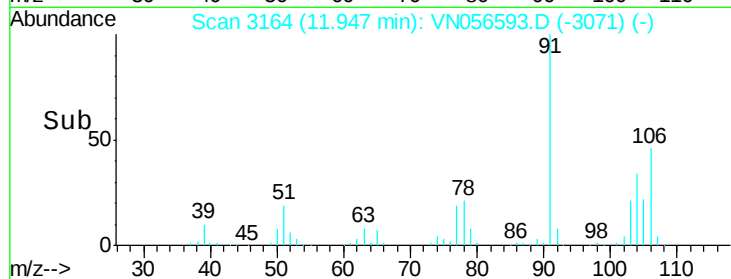
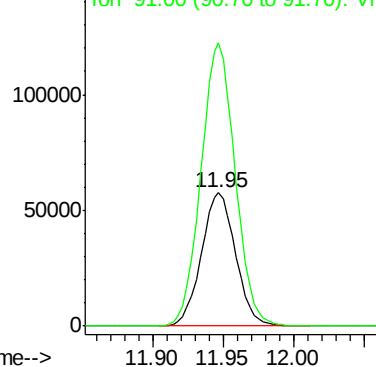
Tot Ion:106 Resp: 97456
Ion Ratio Lower Upper
106 100
91 212.4 107.1 321.3

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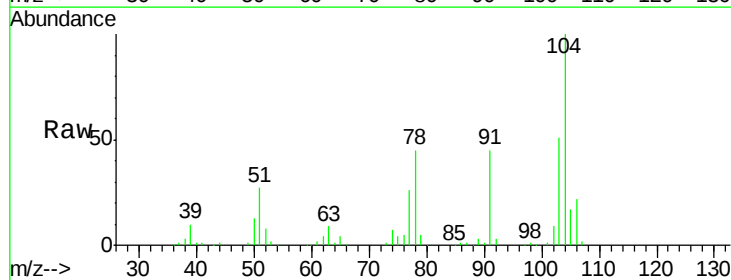


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

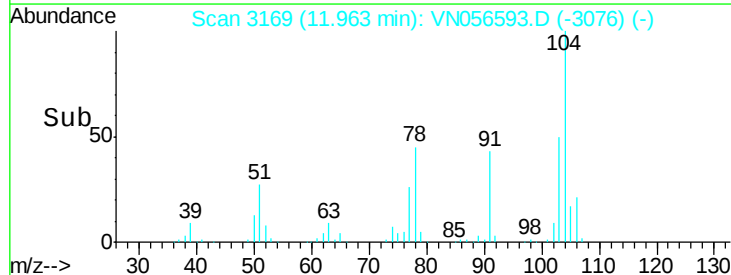
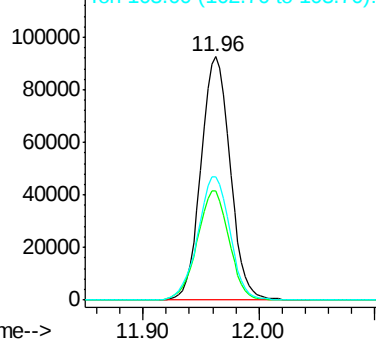


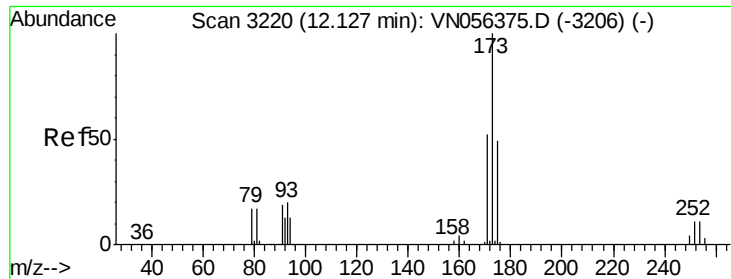
#70
Styrene
Concen: 21.104 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056593.D
Acq: 3 Jul 2019 18:38

Tgt Ion:104 Resp: 161525
Ion Ratio Lower Upper
104 100
78 49.0 38.6 57.8
103 55.6 43.9 65.9



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





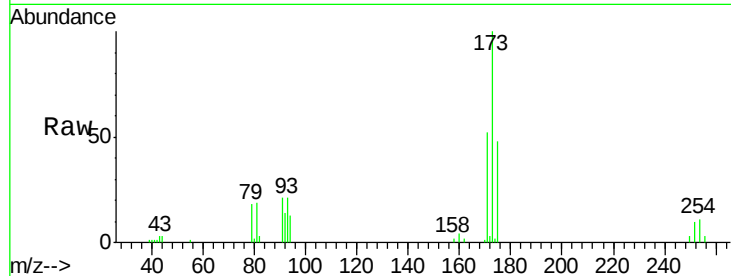
#71
Bromoform
Concen: 20.557 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056593.D
Acq: 3 Jul 2019 18:38

Instrument :
MSVOA_N
ClientSampleId :
VN0704WBS01

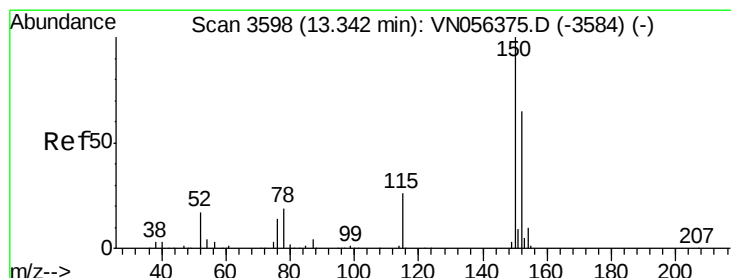
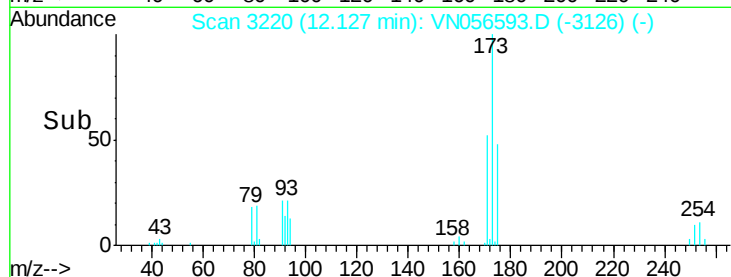
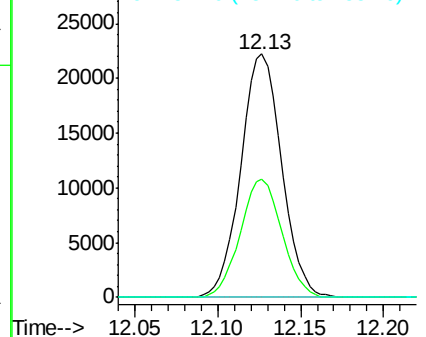
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.4	73.4
254	0.0	0.0	0.0

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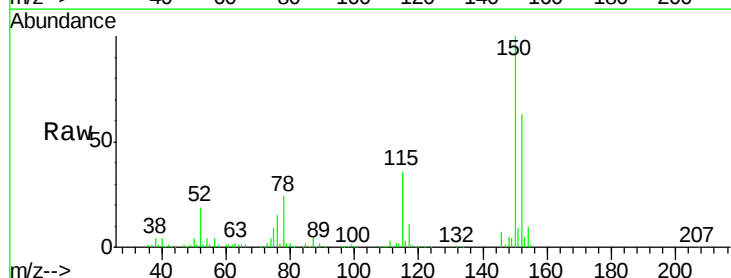


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

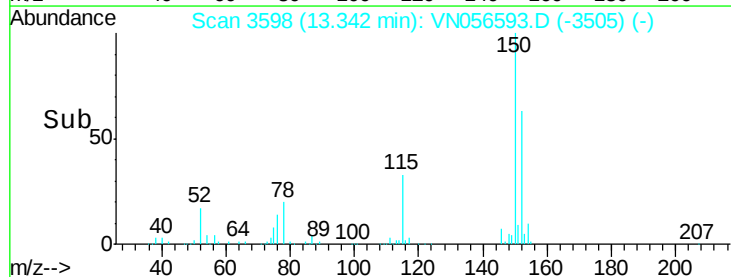
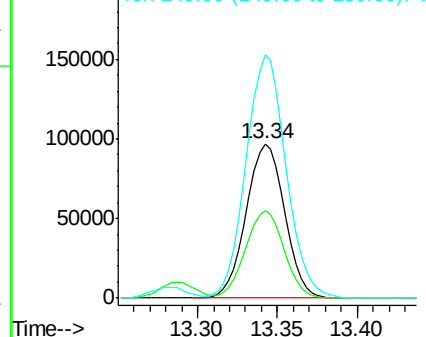


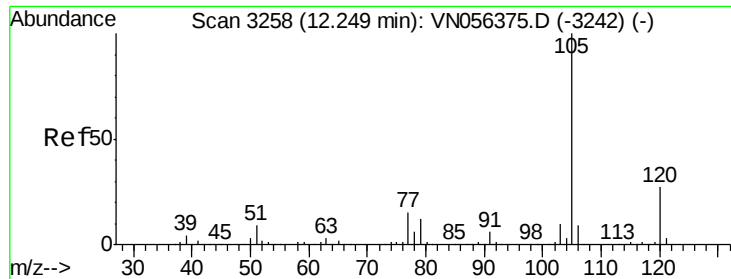
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056593.D
Acq: 3 Jul 2019 18:38

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.6	28.1	84.4
150	164.6	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: 20.082 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056593.D

Acq: 3 Jul 2019 18:38

Instrument :

MSVOA_N

ClientSampled :

VN0704WBS01

Tot Ion: 105 Resp: 258997

Ion Ratio Lower Upper

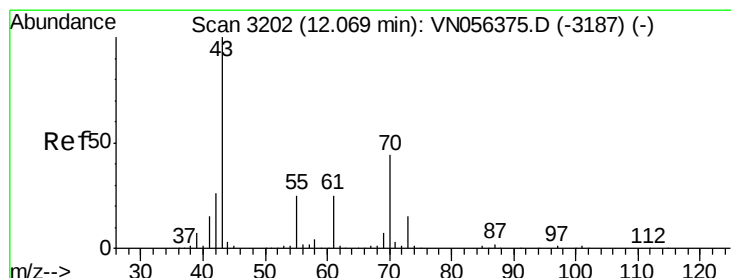
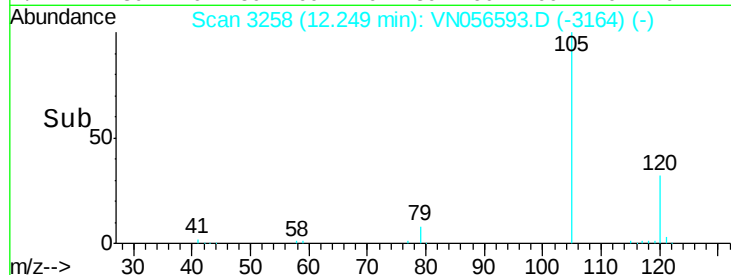
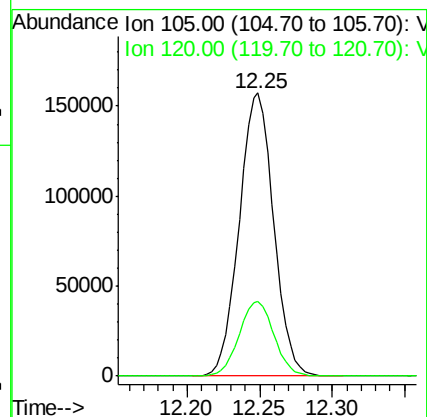
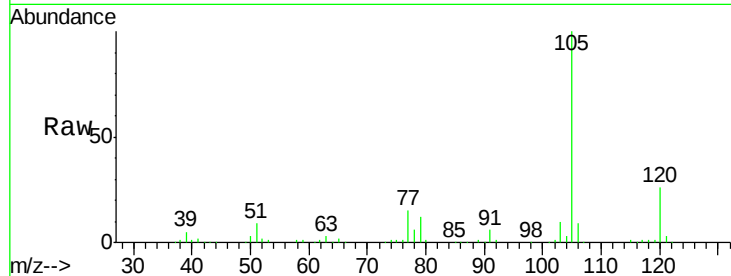
105 100

120 26.9 13.4 40.2

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#74

N-ethyl acetate

Concen: 21.001 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056593.D

Acq: 3 Jul 2019 18:38

Tgt Ion: 43 Resp: 106255

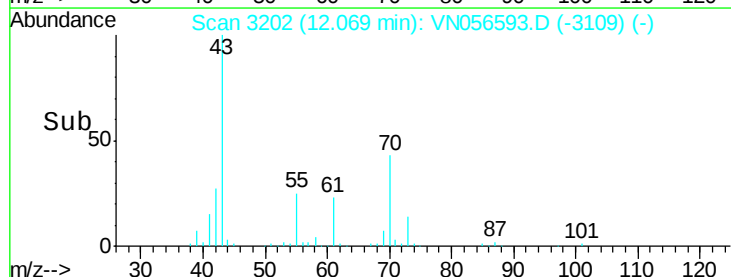
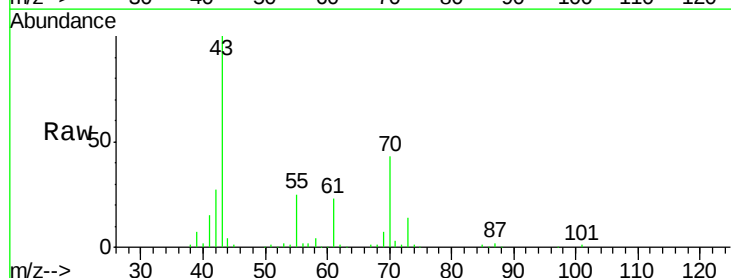
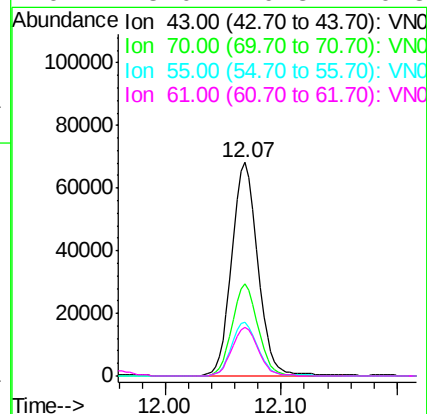
Ion Ratio Lower Upper

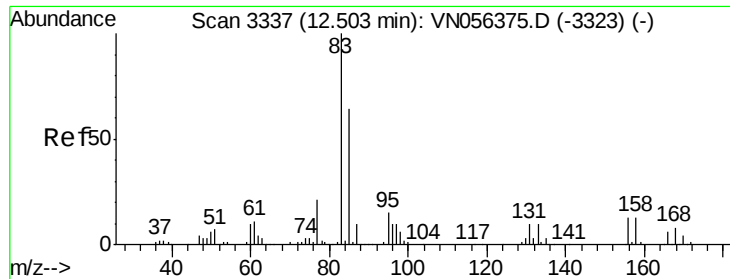
43 100

70 42.6 34.9 52.3

55 25.2 20.4 30.6

61 23.0 19.8 29.8





#75

1,1,2,2-Tetrachloroethane

Concen: 22.685 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056593.D

Acq: 3 Jul 2019 18:38

Instrument :

MSVOA_N

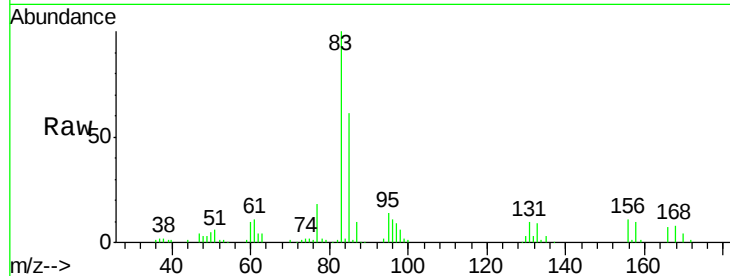
ClientSampled :

VN0704WBS01

Tot Ion:	83	Resp:	90067
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.3	15.8
85	63.3	32.4	97.0

Manual Integrations
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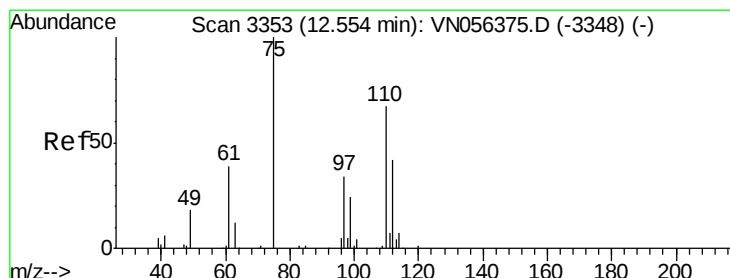
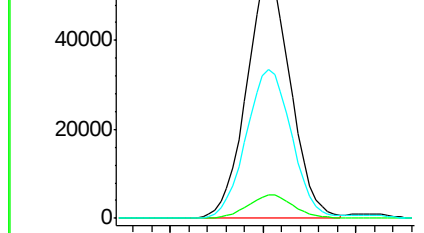
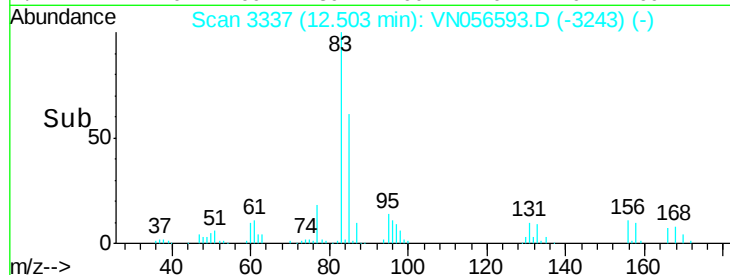


Abundance Ion 82.90 (82.60 to 83.60): VN056593.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN056593.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN056593.D (-3243) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 21.738 ug/l m

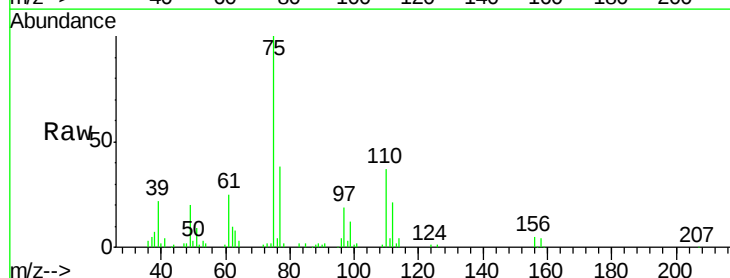
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN056593.D

Acq: 3 Jul 2019 18:38

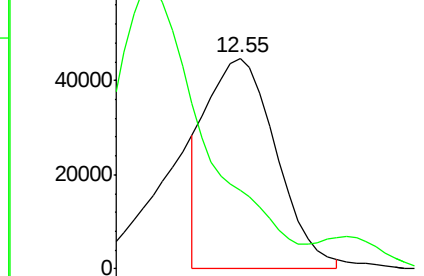
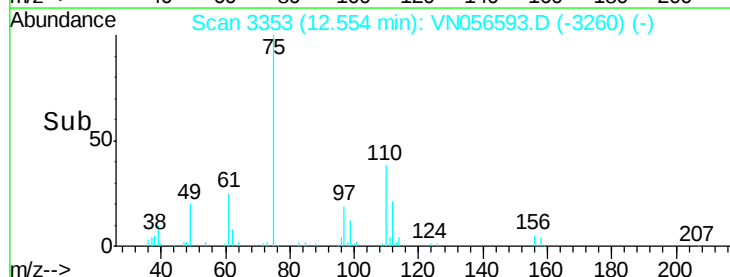
Tgt Ion:	75	Resp:	71657
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0

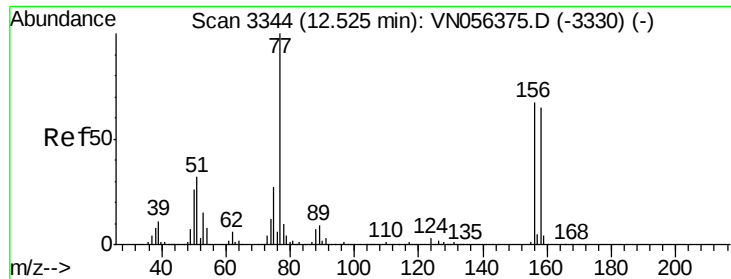


Abundance Ion 74.90 (74.60 to 75.60): VN056593.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN056593.D (-3260) (-)

Time-->





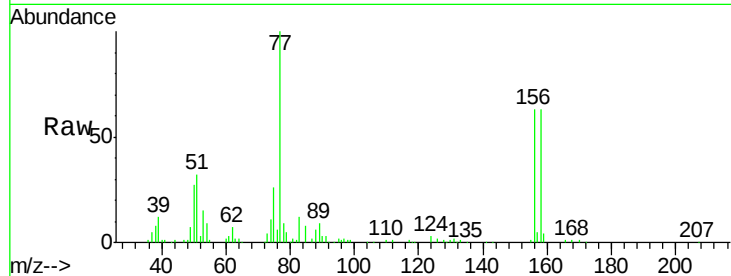
#77
Bromobenzene
Concen: 18.634 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN056593.D
Acq: 3 Jul 2019 18:38

Instrument :
MSVOA_N
ClientSampled :
VN0704WBS01

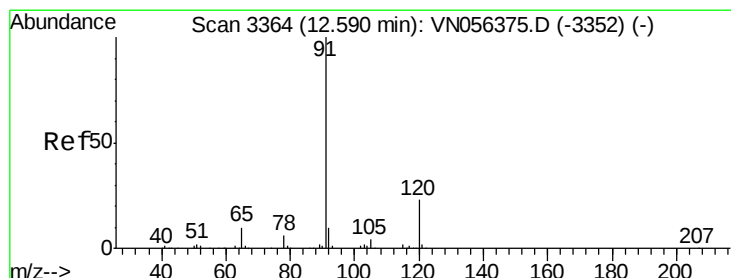
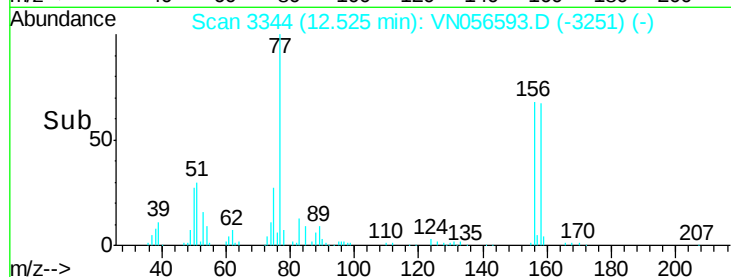
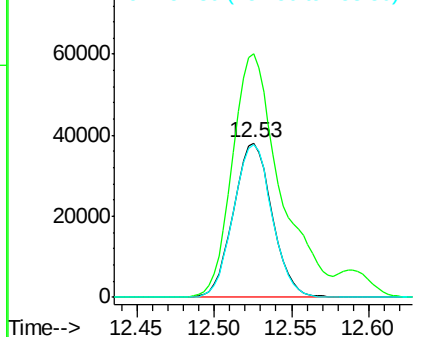
Tot Ion	Ratio	Lower	Upper
156	100		
77	196.3	92.5	277.3
158	98.7	48.7	146.1

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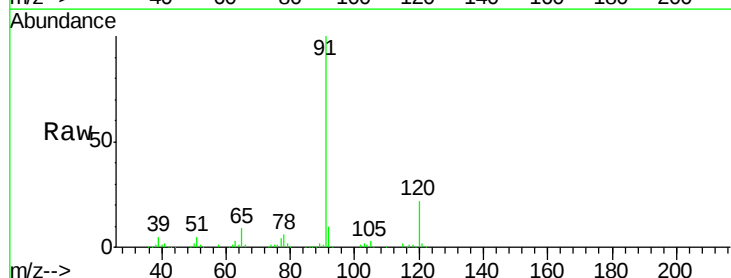


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VN
Ion 157.80 (157.50 to 158.50): V

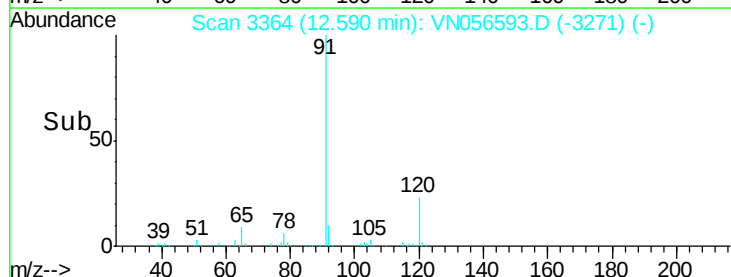
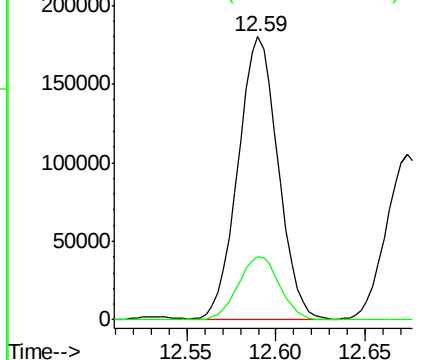


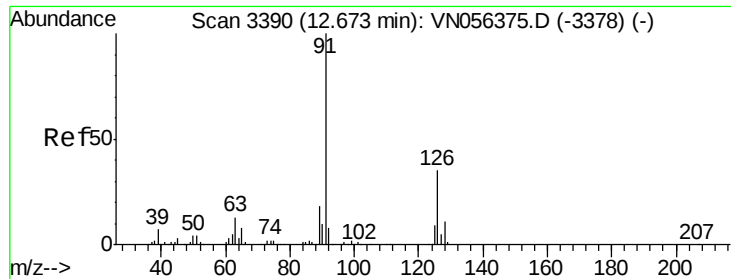
#78
n-propylbenzene
Concen: 19.314 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN056593.D
Acq: 3 Jul 2019 18:38

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.2	11.8	35.4



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.151 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056593.D

Acq: 3 Jul 2019 18:38

Instrument :

MSVOA_N

ClientSampled :

VN0704WBS01

Tot Ion: 91 Resp: 172924

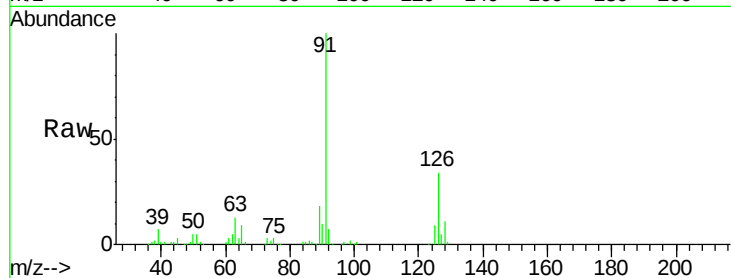
Ion Ratio Lower Upper

91 100

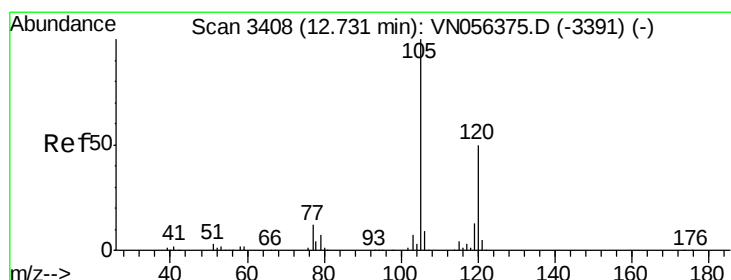
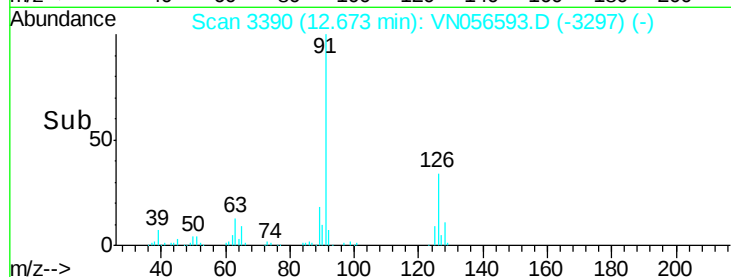
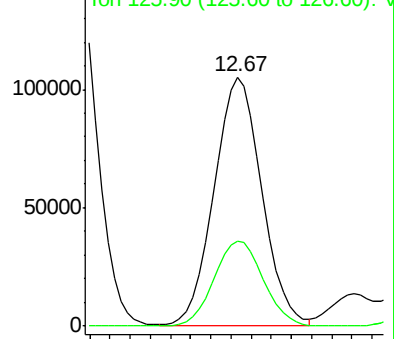
126 35.7 17.6 52.8

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



#80

1,3,5-Trimethylbenzene

Concen: 20.310 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056593.D

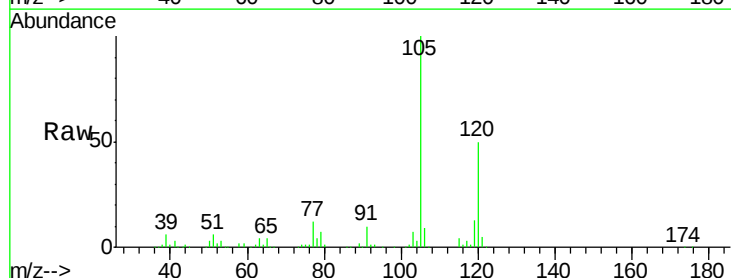
Acq: 3 Jul 2019 18:38

Tgt Ion: 105 Resp: 216627

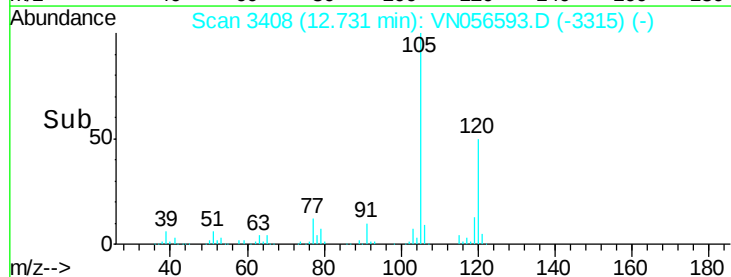
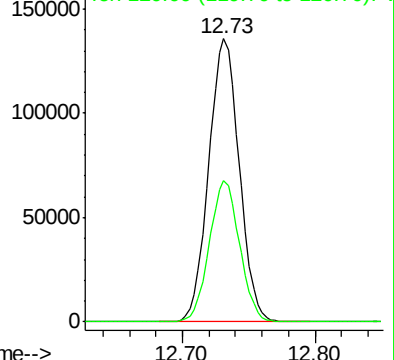
Ion Ratio Lower Upper

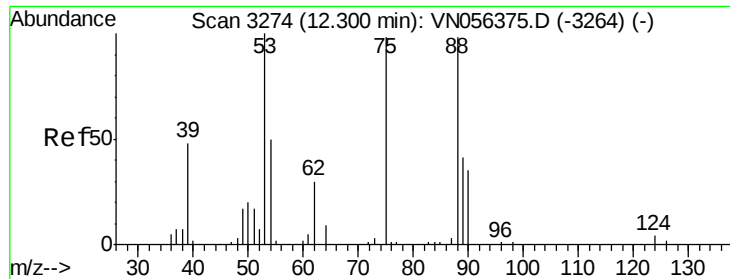
105 100

120 49.6 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): VN056375.D (-3391) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 21.205 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056593.D

Acq: 3 Jul 2019 18:38

Instrument :

MSVOA_N

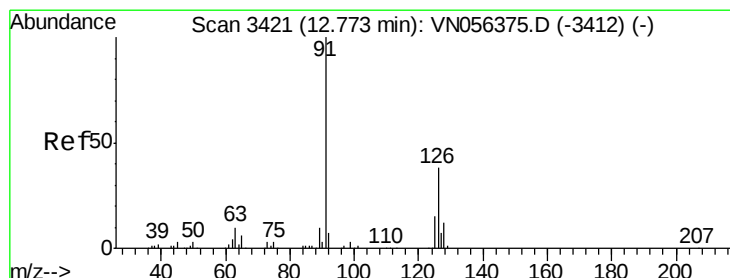
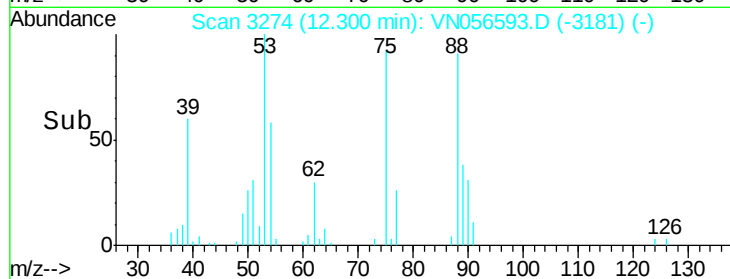
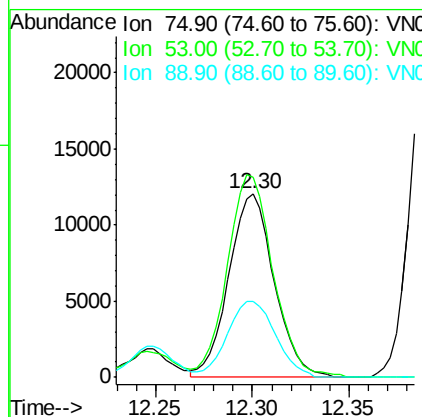
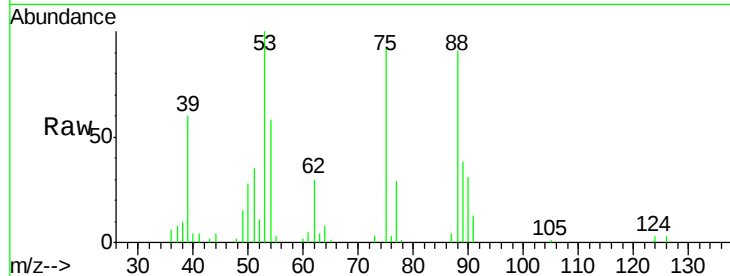
ClientSampleId :

VN0704WBS01

Tot Ion:	75	Resp:	19667
Ion Ratio	Lower	Upper	
75	100		
53	111.5	83.9	125.9
89	44.0	35.0	52.6

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.599 ug/l

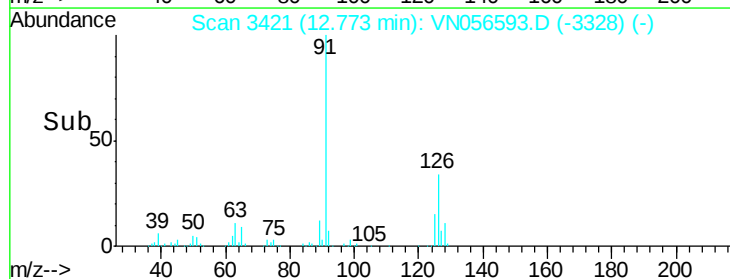
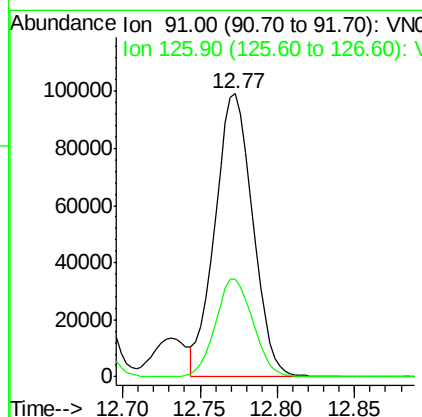
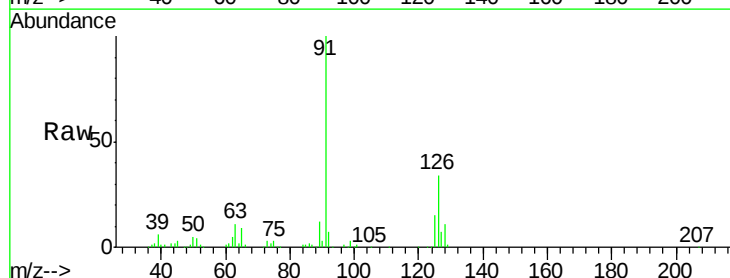
RT: 12.77 min Scan# 3421

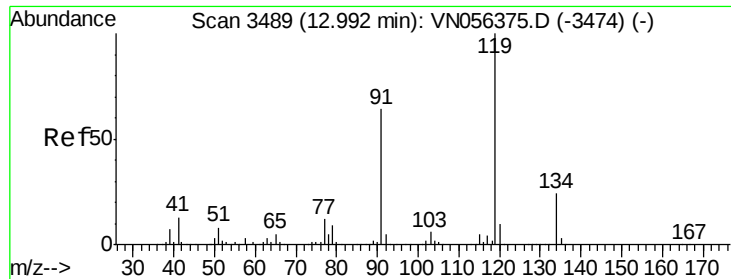
Delta R.T. 0.00 min

Lab File: VN056593.D

Acq: 3 Jul 2019 18:38

Tgt Ion:	91	Resp:	168472
Ion Ratio	Lower	Upper	
91	100		
126	34.2	17.3	52.0





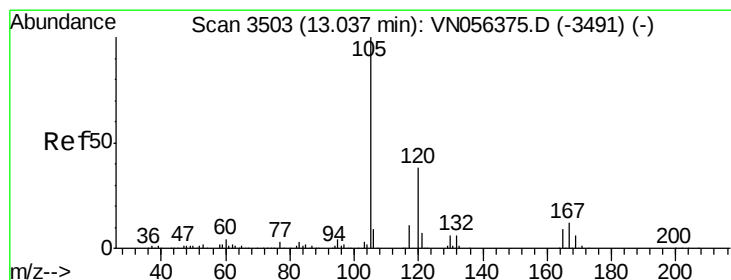
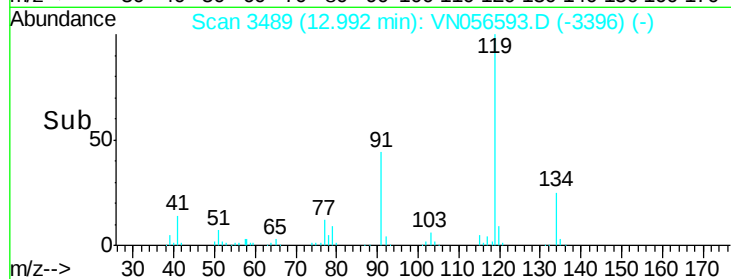
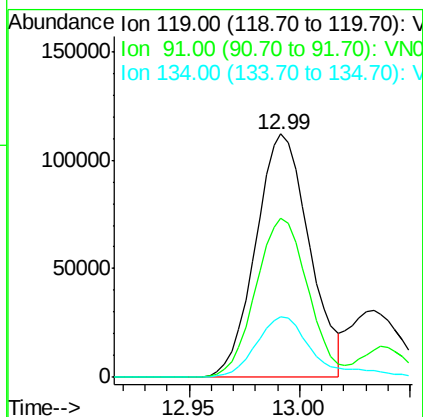
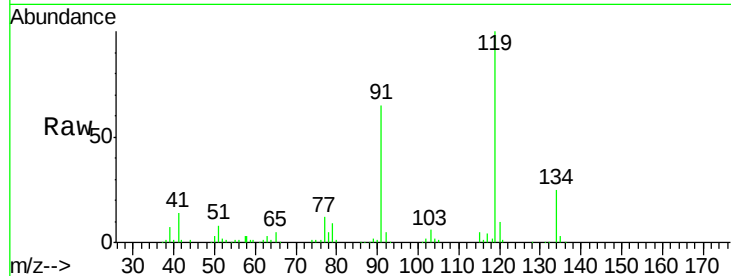
#83
tert-Butylbenzene
Concen: 19.996 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056593.D
Acq: 3 Jul 2019 18:38

Instrument :
MSVOA_N
ClientSampled :
VN0704WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.7	31.6	94.7
134	26.7	13.2	39.5

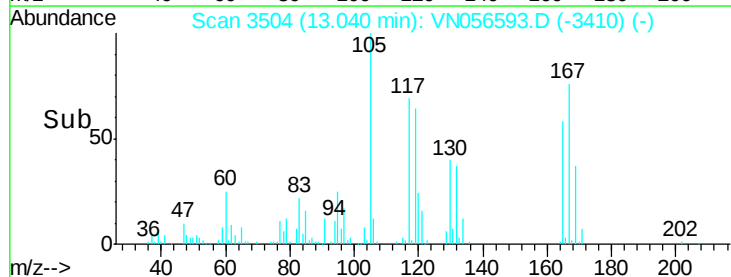
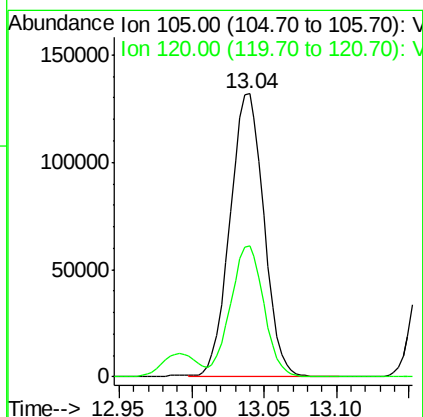
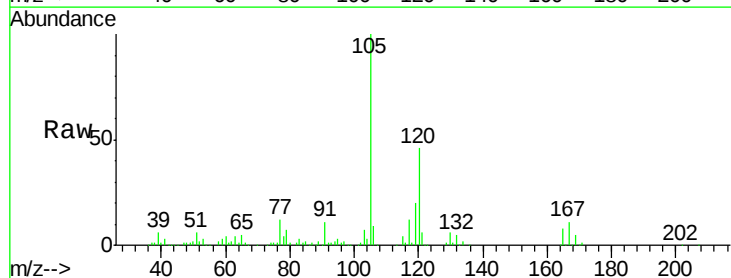
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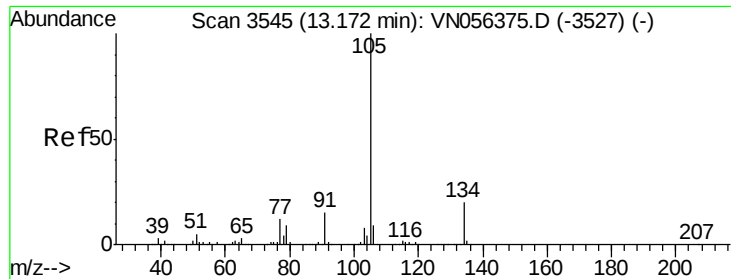
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#84
1,2,4-Trimethylbenzene
Concen: 20.014 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN056593.D
Acq: 3 Jul 2019 18:38

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	22.9	68.8





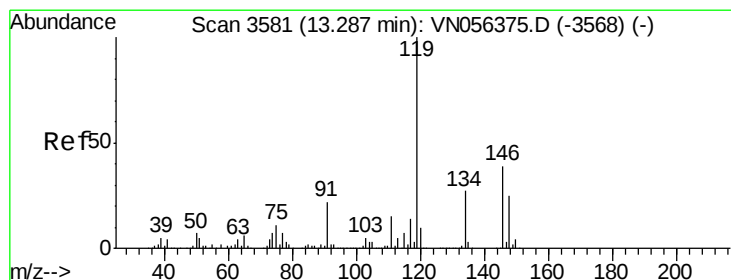
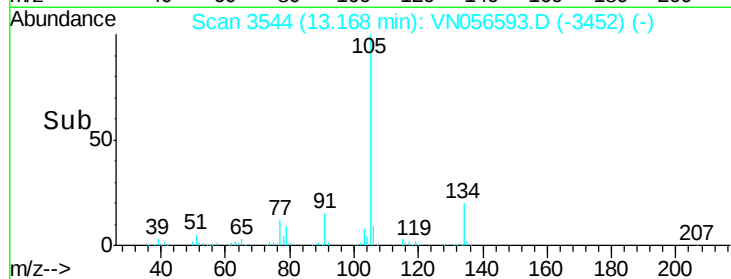
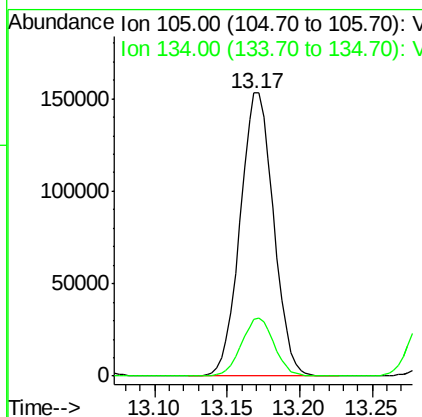
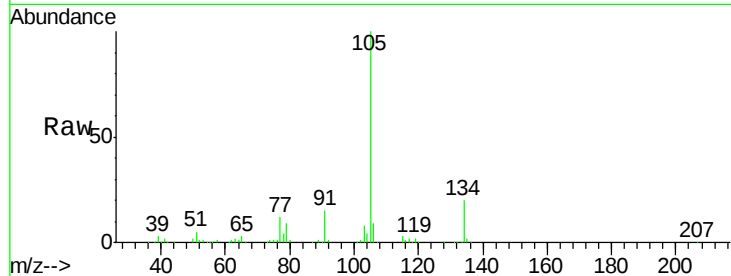
#85
 sec-Butylbenzene
 Concen: 19.172 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. -0.00 min
 Lab File: VN056593.D
 Acq: 3 Jul 2019 18:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0704WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.0	10.2	30.4

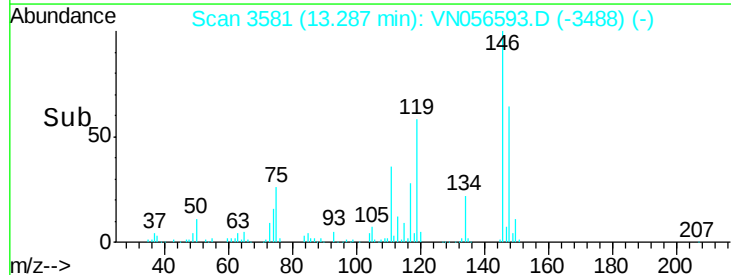
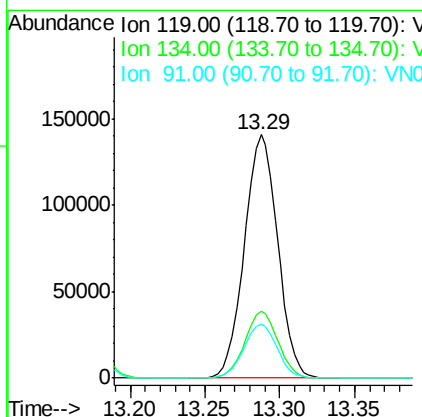
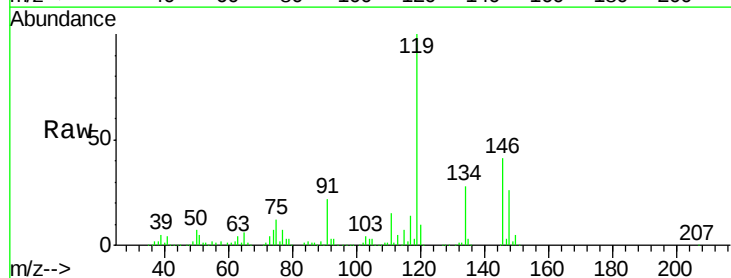
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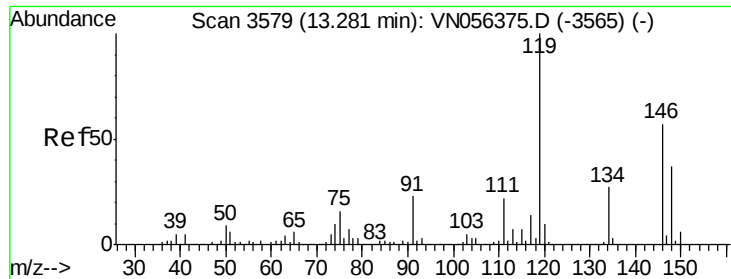
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#86
 p-Isopropyltoluene
 Concen: 19.791 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN056593.D
 Acq: 3 Jul 2019 18:38

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.3	13.5	40.4
91	22.3	11.2	33.5





#87

1,3-Dichlorobenzene

Concen: 20.318 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN056593.D

Acq: 3 Jul 2019 18:38

Instrument :

MSVOA_N

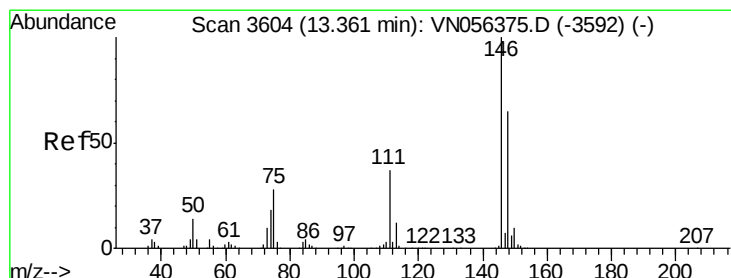
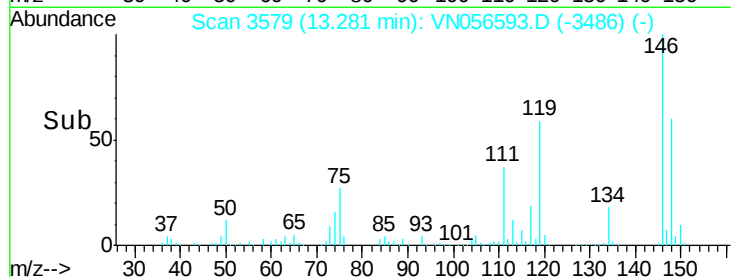
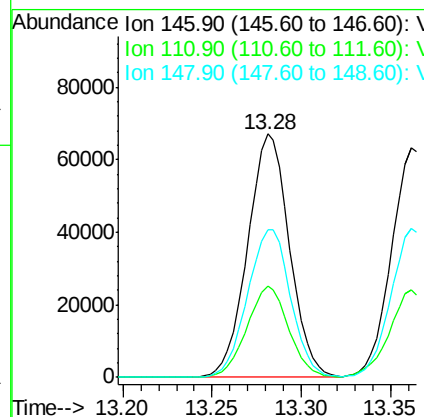
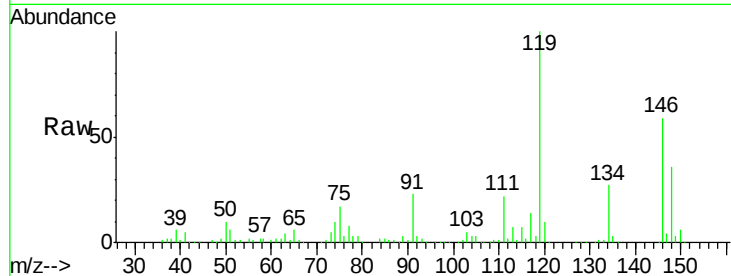
ClientSampled :

VN0704WBS01

Tot Ion:	146	Resp:	109452
Ion Ratio	Lower	Upper	
146	100		
111	37.4	18.9	56.9
148	62.8	32.1	96.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 20.002 ug/l

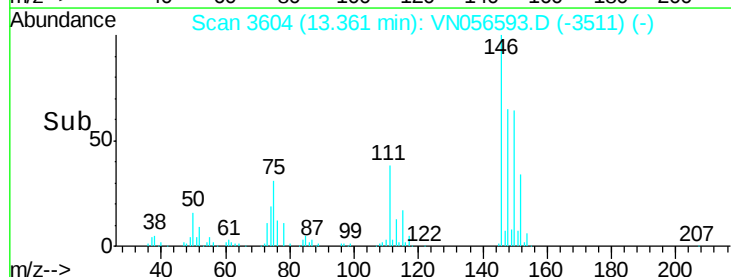
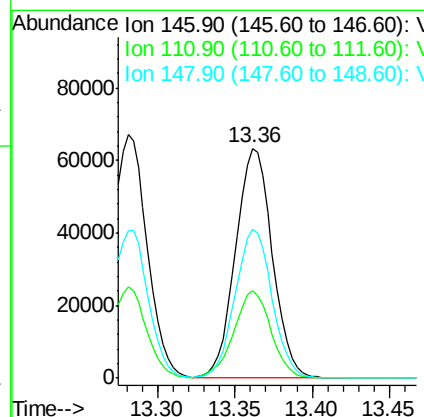
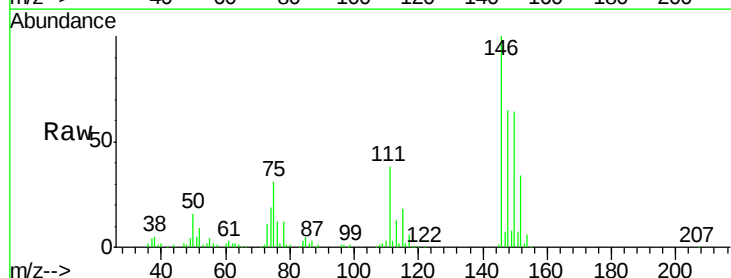
RT: 13.36 min Scan# 3604

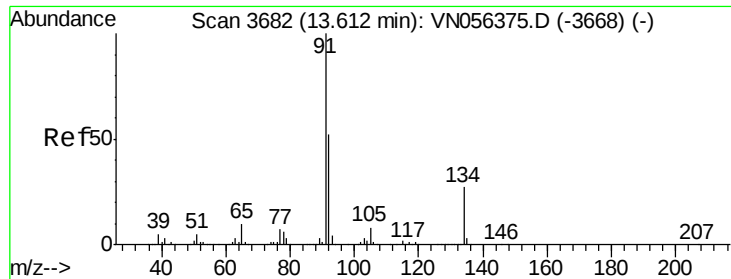
Delta R.T. 0.00 min

Lab File: VN056593.D

Acq: 3 Jul 2019 18:38

Tgt Ion:	146	Resp:	104353
Ion Ratio	Lower	Upper	
146	100		
111	38.6	18.4	55.4
148	65.1	32.4	97.0





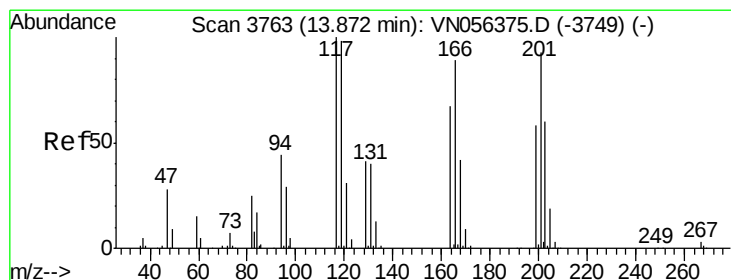
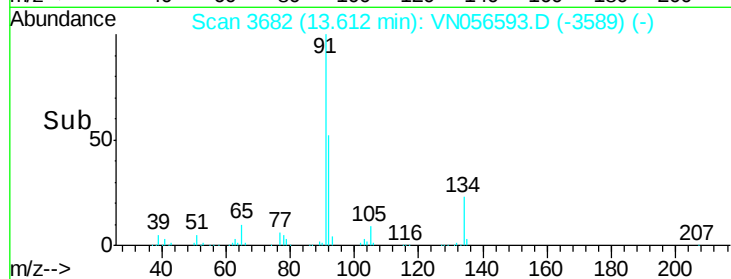
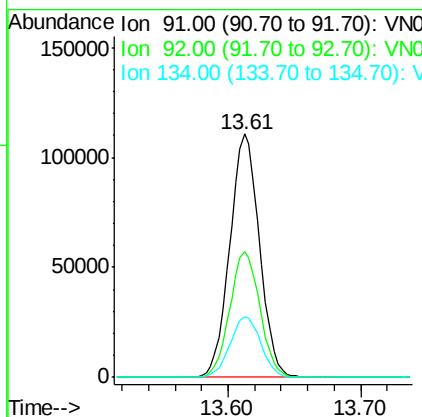
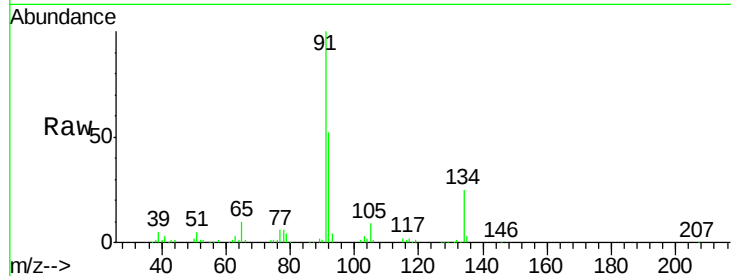
#89
n-Butylbenzene
Concen: 20.668 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056593.D
Acq: 3 Jul 2019 18:38

Instrument :
MSVOA_N
ClientSampled :
VN0704WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.2	78.5
134	25.8	13.4	40.2

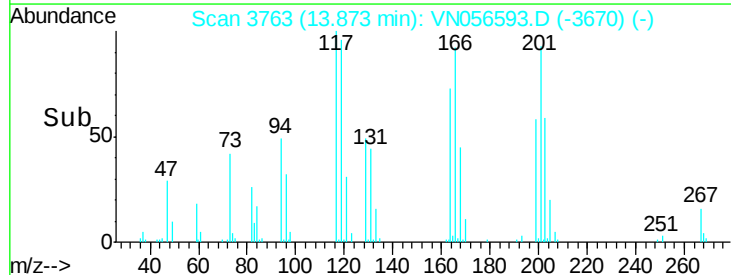
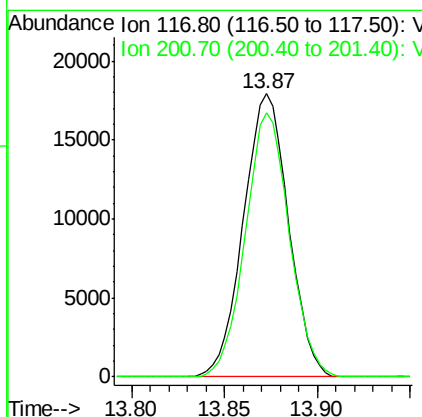
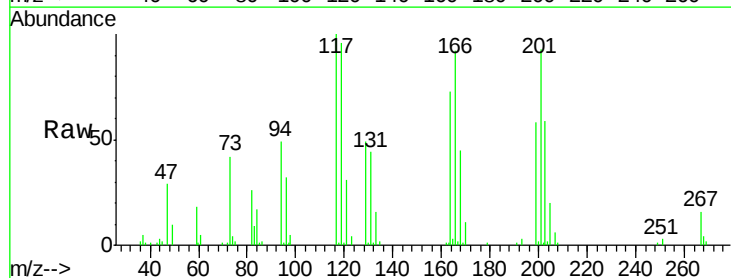
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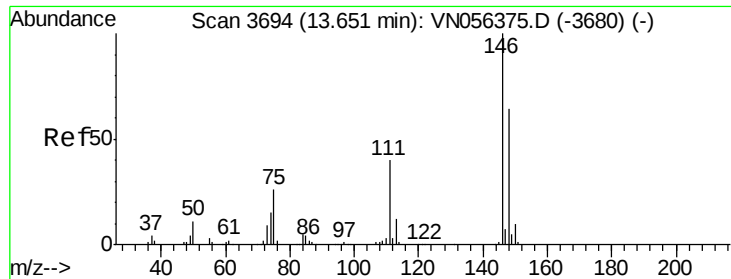
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#90
Hexachloroethane
Concen: 17.738 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056593.D
Acq: 3 Jul 2019 18:38

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.9	45.9	137.6





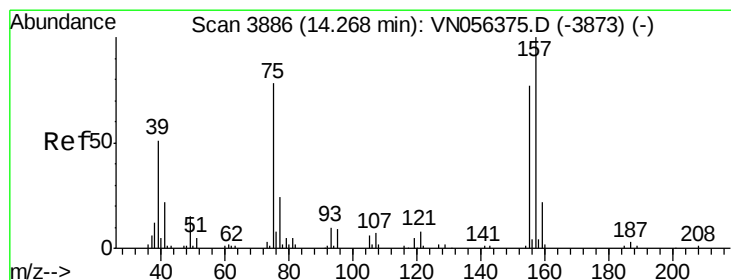
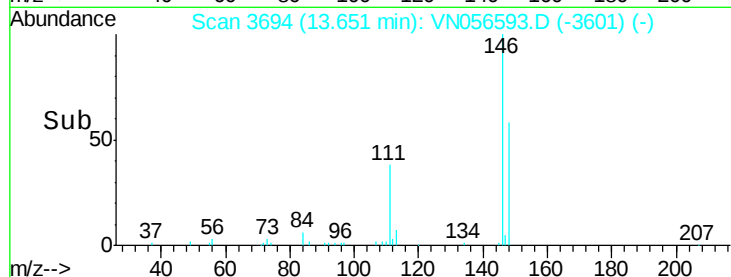
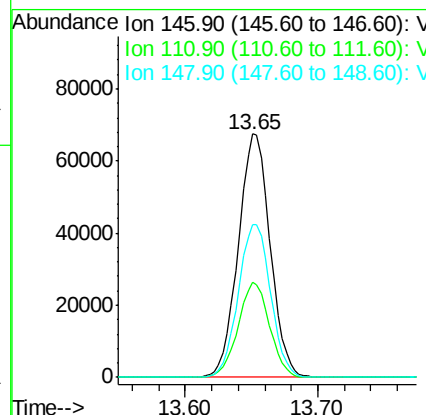
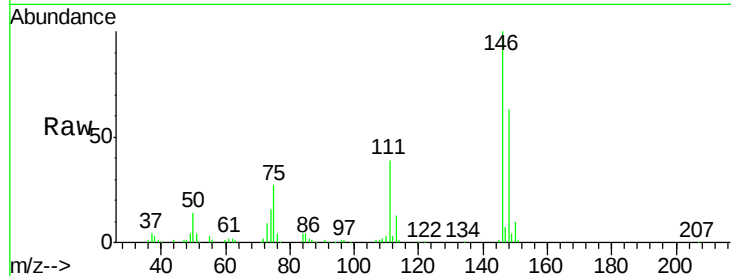
#91
 1,2-Dichlorobenzene
 Concen: 21.076 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN056593.D
 Acq: 3 Jul 2019 18:38

Instrument :
 MSVOA_N
 ClientSampled :
 VN0704WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.3	57.9
148	63.5	32.0	96.0

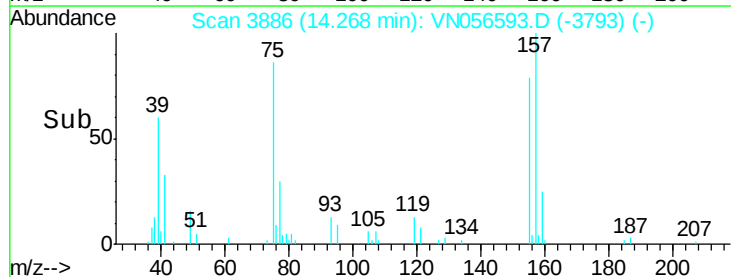
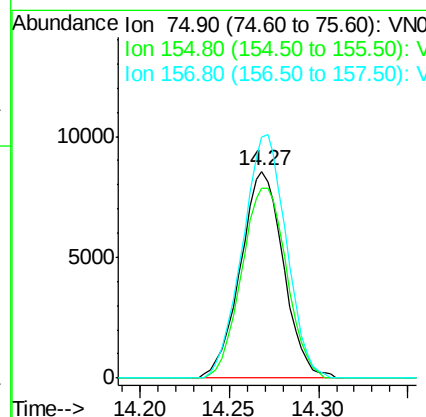
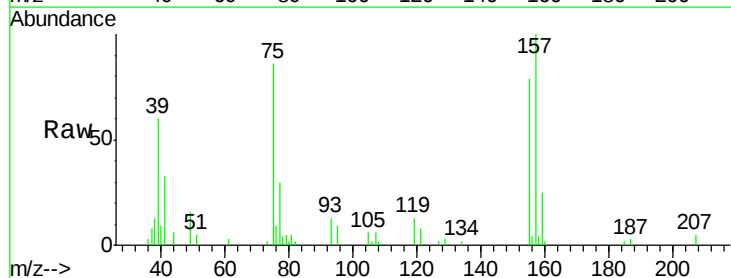
Manual Integrations
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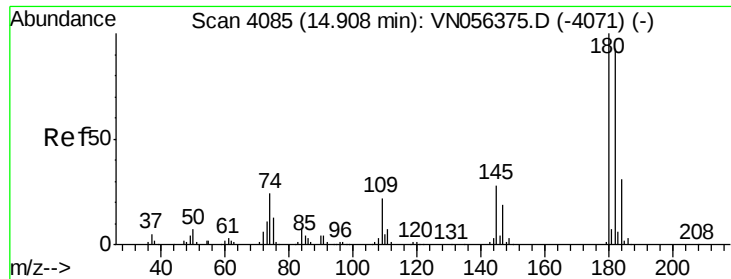
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 24.541 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056593.D
 Acq: 3 Jul 2019 18:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.9	48.9	146.8
157	119.6	62.9	188.8





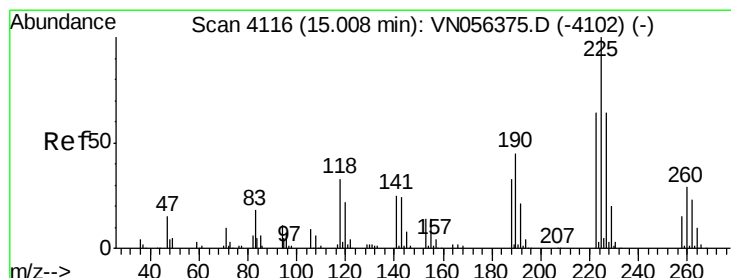
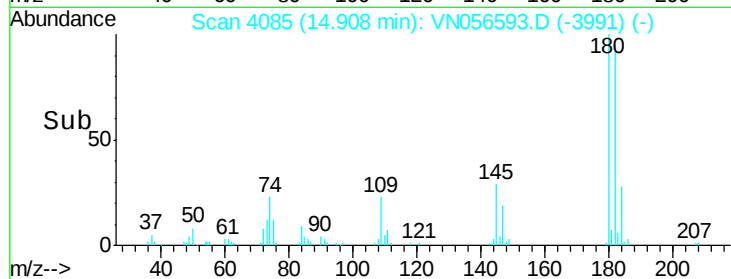
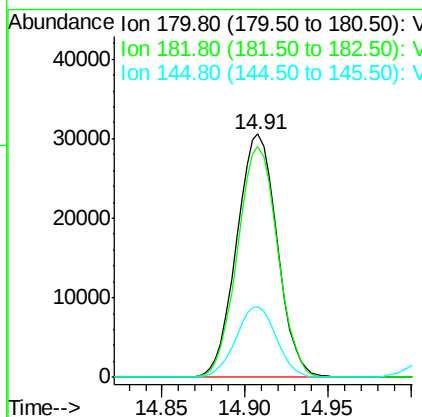
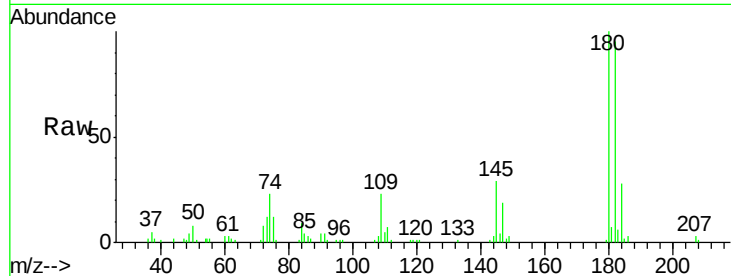
#93
 1,2,4-Trichlorobenzene
 Concen: 22.172 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056593.D
 Acq: 3 Jul 2019 18:38

Instrument :
 MSVOA_N
 ClientSampled :
 VN0704WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	46.9	140.6
145	29.1	14.4	43.0

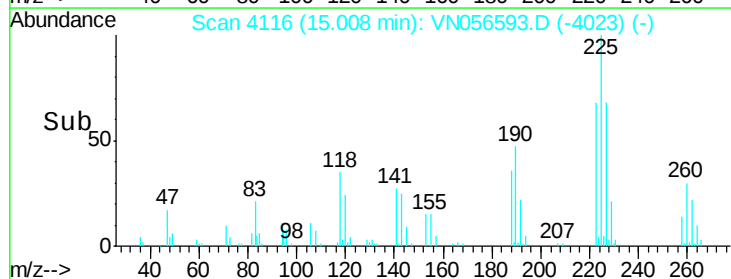
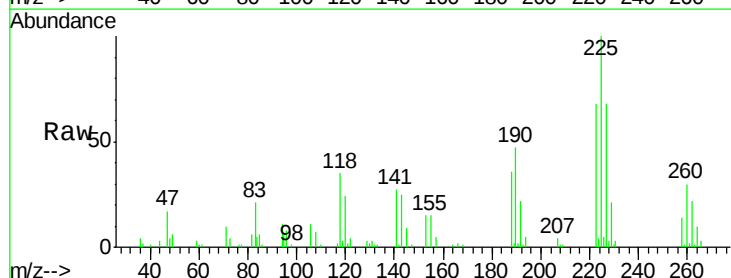
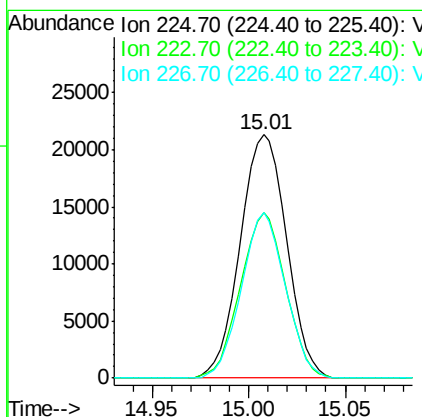
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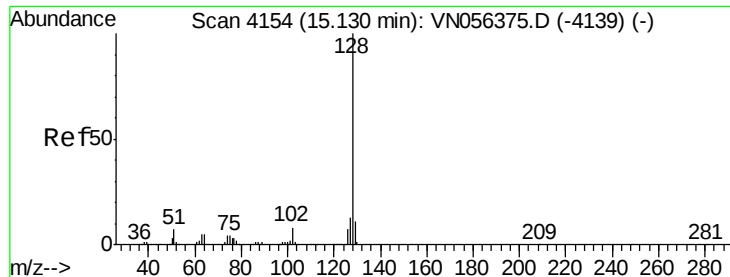
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 7/8/2019 10:08:08 AM



#94
 Hexachlorobutadiene
 Concen: 18.477 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056593.D
 Acq: 3 Jul 2019 18:38

Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.1	31.4	94.3
227	64.2	32.1	96.3





#95

Naphthalene

Concen: 23.421 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056593.D

Acq: 3 Jul 2019 18:38

Instrument :

MSVOA_N

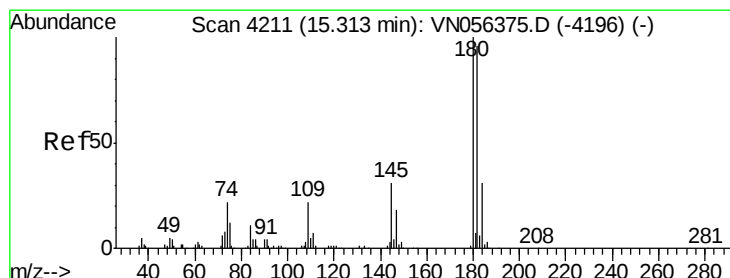
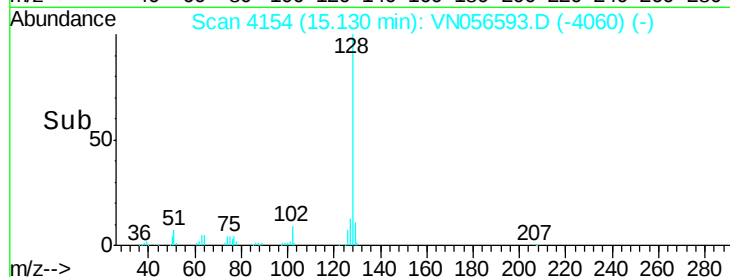
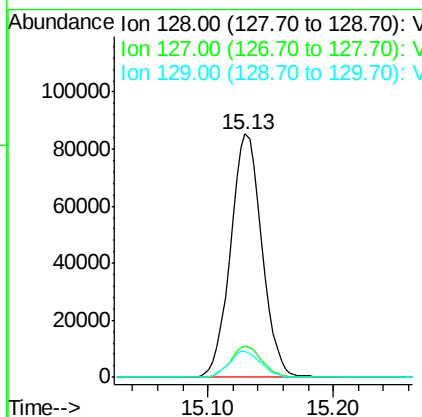
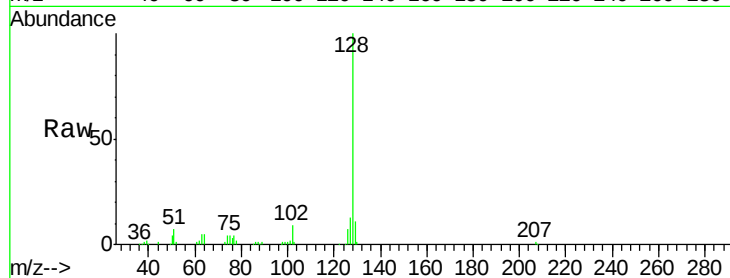
ClientSampled :

VN0704WBS01

Tot Ion:	128	Resp:	147708
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.2	15.2
129	10.7	8.6	12.8

Manual Integrations
APPROVED

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#96

1,2,3-Trichlorobenzene

Concen: 22.462 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056593.D

Acq: 3 Jul 2019 18:38

Tgt Ion:	180	Resp:	56962
Ion Ratio	Lower	Upper	
180	100		
182	95.7	48.3	144.8
145	30.3	15.4	46.1

