

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062119\
 Data File : VN056431.D
 Acq On : 21 Jun 2019 17:13
 Operator : JC/SP
 Sample : VN0621WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621WBSD02

Manual Integrations
 APPROVED

MMDadoda
 6/24/2019 4:16:06 PM

Quant Time: Jun 24 09:29:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 03:45:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	376922	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	594248	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	514224	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	194110	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	217817	52.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.28%	
35) Dibromofluoromethane	7.59	113	186280	50.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.50%	
50) Toluene-d8	10.09	98	715075	49.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.14%	
62) 4-Bromofluorobenzene	12.40	95	233829	48.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	64386	20.174	ug/l	99
3) Chloromethane	2.06	50	83334	19.176	ug/l	100
4) Vinyl Chloride	2.18	62	85684	20.414	ug/l	98
5) Bromomethane	2.53	94	54508m	22.152	ug/l	
6) Chloroethane	2.68	64	49172	20.230	ug/l	98
7) Trichlorofluoromethane	3.00	101	111070	20.457	ug/l	98
8) Diethyl Ether	3.41	74	48559	21.133	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	68979	19.922	ug/l	98
10) Methyl Iodide	3.95	142	92320	19.728	ug/l	99
11) Tert butyl alcohol	4.80	59	66262	94.177	ug/l	96
12) 1,1-Dichloroethene	3.73	96	68236	20.493	ug/l	96
13) Acrolein	3.60	56	49451	83.391	ug/l	100
14) Allyl chloride	4.32	41	111176	20.058	ug/l	99
15) Acrylonitrile	4.99	53	203900	104.753	ug/l	99
16) Acetone	3.82	43	188452	90.041	ug/l	99
17) Carbon Disulfide	4.05	76	133001	17.562	ug/l	99
18) Methyl Acetate	4.32	43	91394	21.806	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	232379	21.091	ug/l	100
20) Methylene Chloride	4.55	84	83854	20.732	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	71715	19.977	ug/l	96
22) Diisopropyl ether	5.95	45	244173	20.976	ug/l	97
23) Vinyl Acetate	5.90	43	982152	106.975	ug/l	100
24) 1,1-Dichloroethane	5.85	63	139367	20.857	ug/l	98
25) 2-Butanone	6.84	43	275649	99.510	ug/l	97
26) 2,2-Dichloropropane	6.82	77	89269	19.209	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	86777	20.661	ug/l	99
28) Bromochloromethane	7.19	49	68525	20.733	ug/l	97
29) Tetrahydrofuran	7.21	42	180404	106.572	ug/l	99
30) Chloroform	7.37	83	137997	20.929	ug/l	98
31) Cyclohexane	7.65	56	127359	19.743	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	107505	20.570	ug/l	99
36) 1,1-Dichloropropene	7.79	75	100554	19.225	ug/l	98
37) Ethyl Acetate	6.93	43	109926	21.386	ug/l	99
38) Carbon Tetrachloride	7.77	117	87782	19.192	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	122287	18.948	ug/l	100
40) Benzene	8.04	78	318105	19.772	ug/l	100
41) Methacrylonitrile	7.18	41	52772	23.250	ug/l #	85
42) 1,2-Dichloroethane	8.12	62	107437	20.234	ug/l	99
43) Isopropyl Acetate	8.17	43	163223	20.593	ug/l #	92
44) Trichloroethene	8.83	130	86433	19.943	ug/l	98
45) 1,2-Dichloropropane	9.12	63	87922	20.434	ug/l	99
46) Dibromomethane	9.21	93	55949	20.784	ug/l	99
47) Bromodichloromethane	9.40	83	94911	19.879	ug/l	99
48) Methyl methacrylate	9.20	41	82642	20.807	ug/l	96
49) 1,4-Dioxane	9.20	88	30953	375.528	ug/l	92
51) 4-Methyl-2-Pentanone	9.99	43	528404	103.290	ug/l	100
52) Toluene	10.16	92	198461	20.176	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	96451	19.233	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	116363	20.239	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	82036	20.749	ug/l	98
56) Ethyl methacrylate	10.43	69	120222	20.806	ug/l	98
57) 1,3-Dichloropropane	10.71	76	135964	20.470	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	200120	96.405	ug/l	100
59) 2-Hexanone	10.75	43	372223	98.998	ug/l	100
60) Dibromochloromethane	10.90	129	71558	19.151	ug/l	99
61) 1,2-Dibromoethane	11.00	107	83684	20.723	ug/l	99
64) Tetrachloroethene	10.63	164	85816	21.073	ug/l	98
65) Chlorobenzene	11.43	112	206066	19.943	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	71400	20.446	ug/l	97
67) Ethyl Benzene	11.51	91	365296	20.135	ug/l	100
68) m/p-Xylenes	11.62	106	270090	40.622	ug/l	99
69) o-Xylene	11.95	106	134482	20.444	ug/l	100
70) Styrene	11.96	104	217163	20.654	ug/l	100
71) Bromoform	12.13	173	47855	19.061	ug/l #	98
73) Isopropylbenzene	12.25	105	356342	22.989	ug/l	99
74) N-amyl acetate	12.07	43	128760	20.843	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	112877	23.371	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	96247m	23.913	ug/l	
77) Bromobenzene	12.53	156	91682	21.123	ug/l	99
78) n-propylbenzene	12.59	91	369575	20.791	ug/l	100
79) 2-Chlorotoluene	12.67	91	231625	22.365	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	289707	22.471	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	21927	19.362	ug/l	92
82) 4-Chlorotoluene	12.77	91	210766	20.081	ug/l	98
83) tert-Butylbenzene	12.99	119	263527	23.282	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	270774	20.721	ug/l	99
85) sec-Butylbenzene	13.17	105	329077	21.062	ug/l	100
86) p-Isopropyltoluene	13.29	119	280671	20.932	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	133022	20.224	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	124806	19.592	ug/l	100
89) n-Butylbenzene	13.61	91	190714	18.788	ug/l	99
90) Hexachloroethane	13.87	117	41013	19.619	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	135701	20.794	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14303	19.914	ug/l	99

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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	14.90	180	43991	17.105	ug/l	98
94) Hexachlorobutadiene	15.01	225	48883	21.015	ug/l	99
95) Naphthalene	15.13	128	130124	18.359	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	52671	18.098	ug/l	100

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

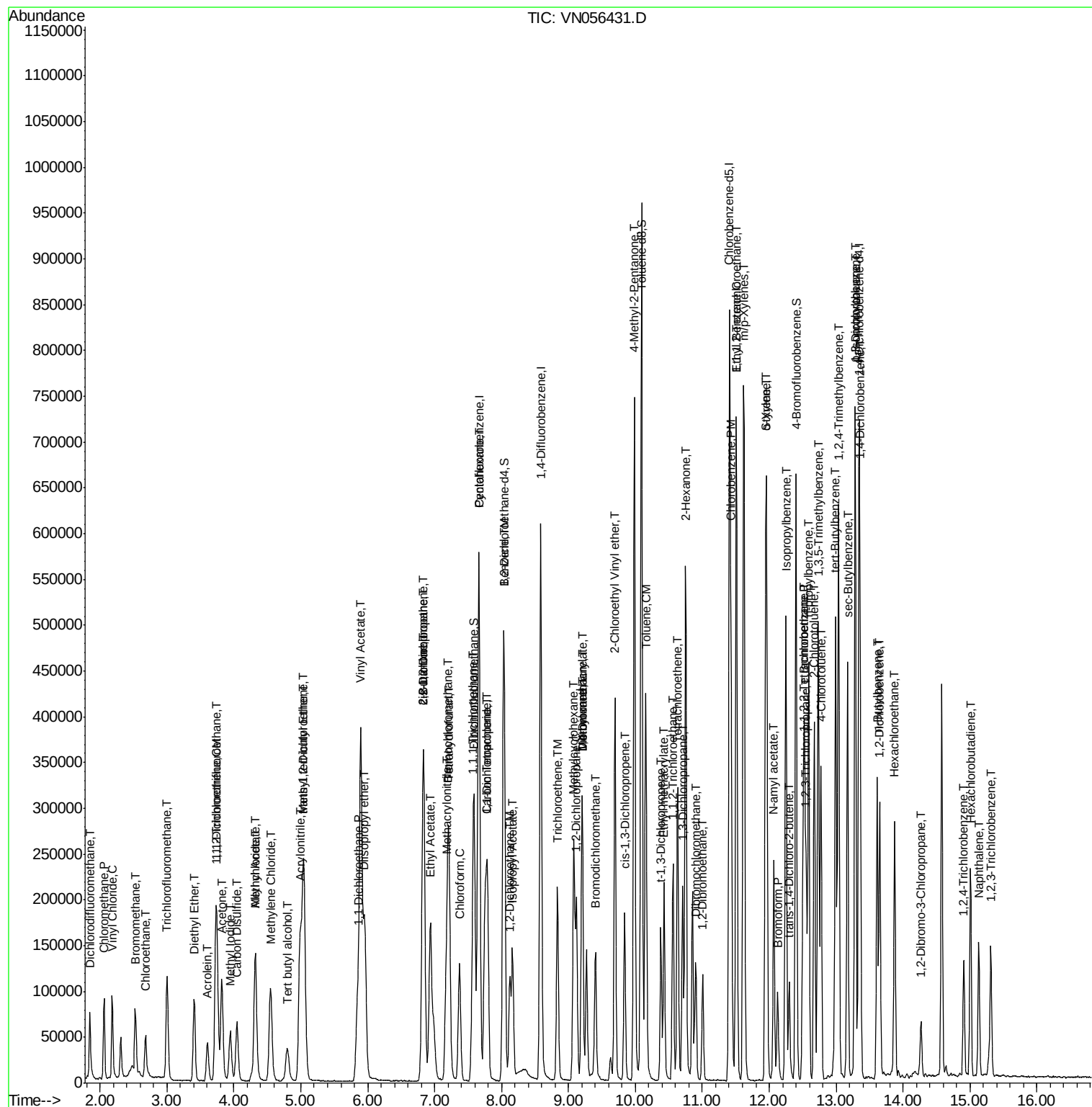
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Data File : VN056431.D
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Operator : JC/SP
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Misc : 5.00mL/MSVOA N/WATER
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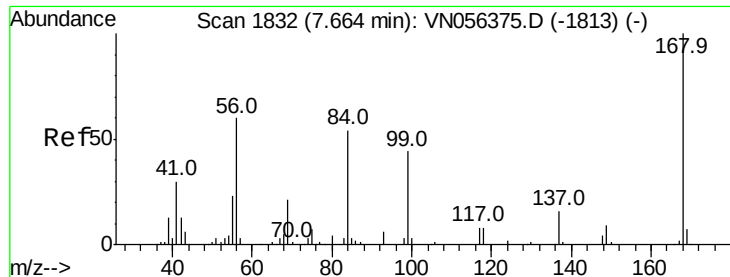
Instrument :
MSVOA_N
Client Sampled :
VN0621WBSD02

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056431.D

Acq: 21 Jun 2019 17:13

Instrument :

MSVOA_N

ClientSampleId :

VN0621WBSD02

Tot Ion:168 Resp: 376922

Ion Ratio Lower Upper

168 100

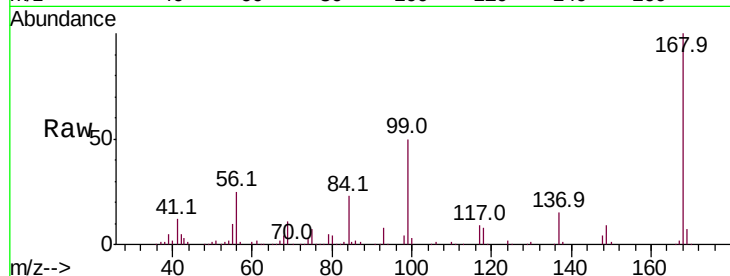
99 49.7 40.6 61.0

Manual Integrations

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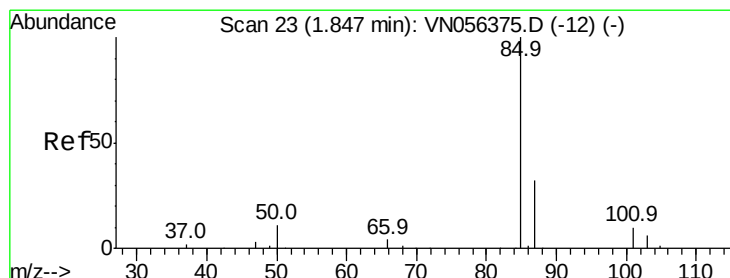
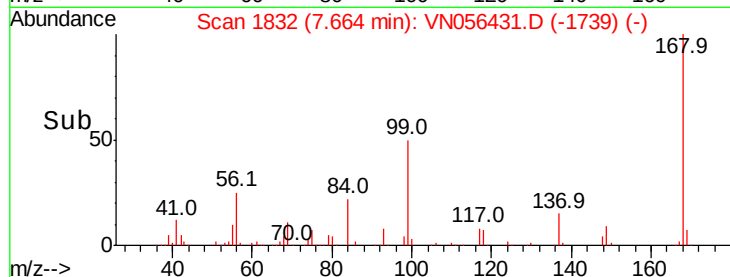
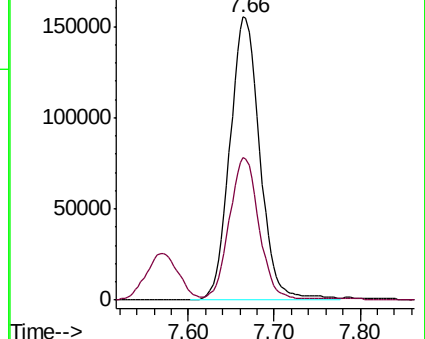
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 20.174 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056431.D

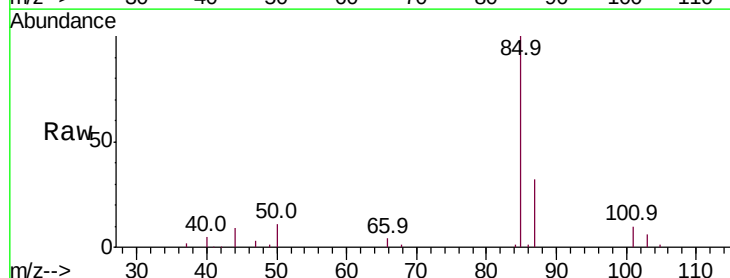
Acq: 21 Jun 2019 17:13

Tgt Ion: 85 Resp: 64386

Ion Ratio Lower Upper

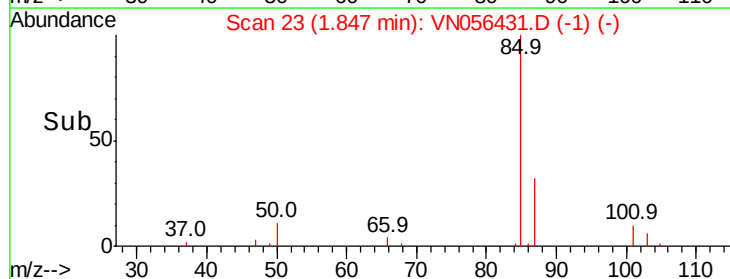
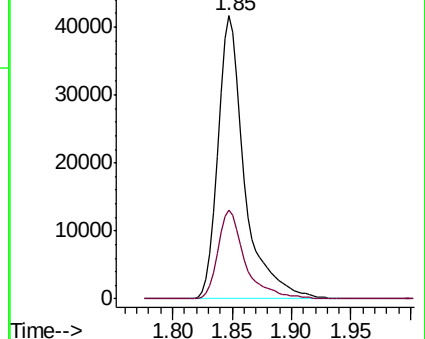
85 100

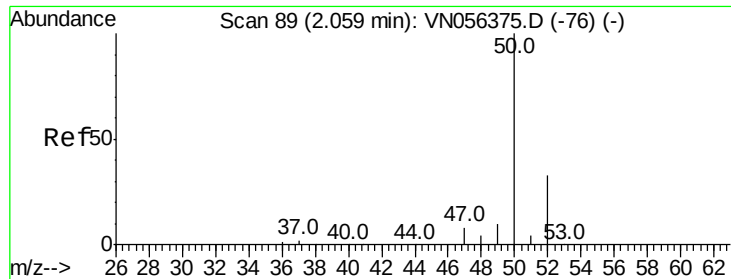
87 31.6 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





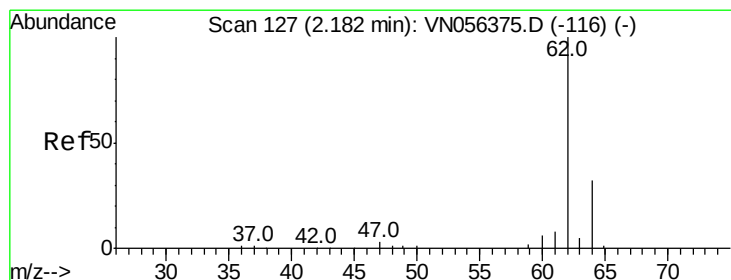
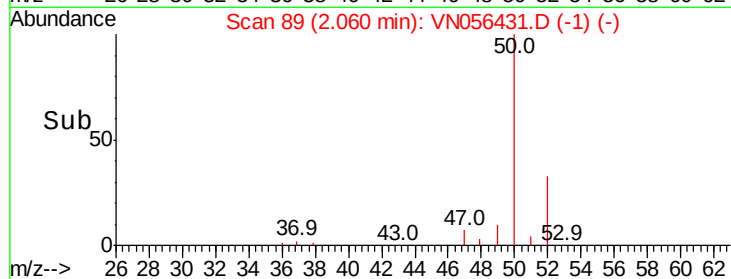
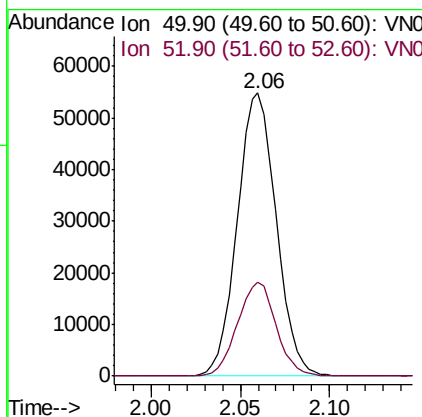
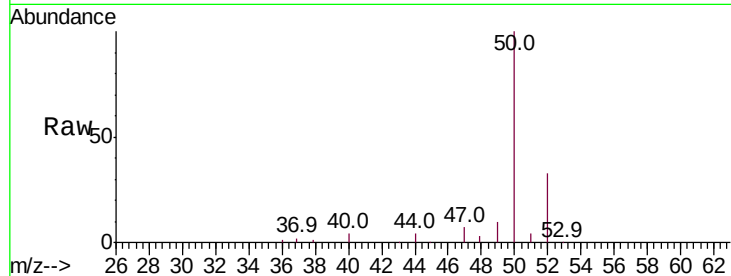
#3
Chloromethane
Concen: 19.176 ug/l
RT: 2.06 min Scan# 89
Delta R.T. 0.00 min
Lab File: VN056431.D
Acq: 21 Jun 2019 17:13

Instrument :
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ClientSampleId :
VN0621WBSD02

Tot Ion	50	52	Ratio	100	33.4	Resp	Lower	Upper
83334							26.5	39.7

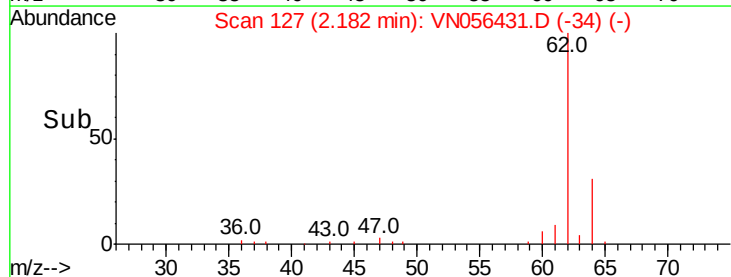
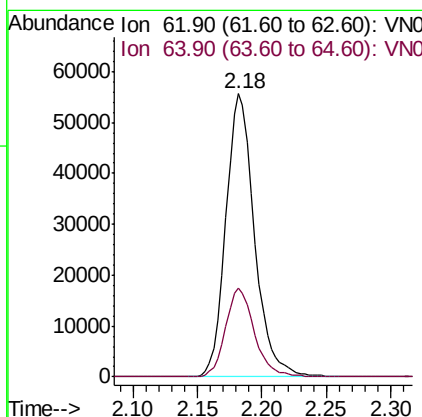
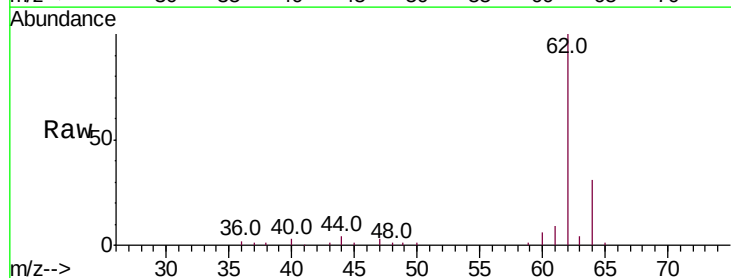
Manual Integrations
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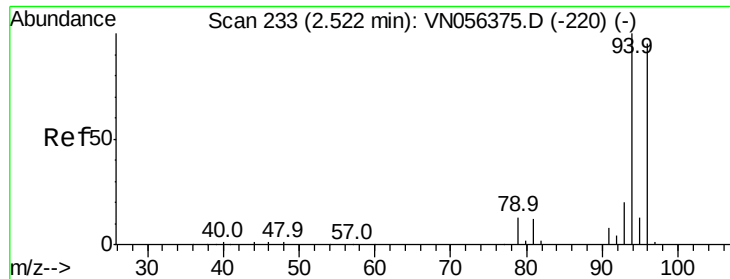
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#4
Vinyl Chloride
Concen: 20.414 ug/l
RT: 2.18 min Scan# 127
Delta R.T. 0.00 min
Lab File: VN056431.D
Acq: 21 Jun 2019 17:13

Tgt Ion	62	64	Ratio	100	31.2	Resp	Lower	Upper
85684							25.7	38.5





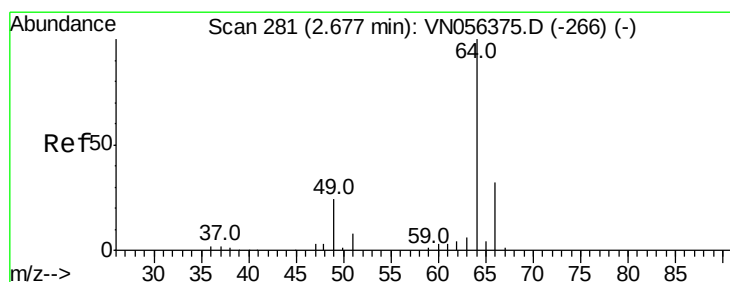
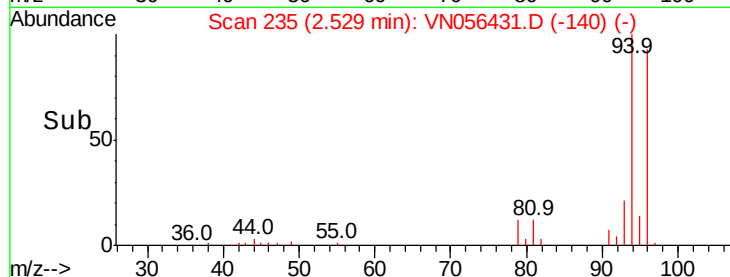
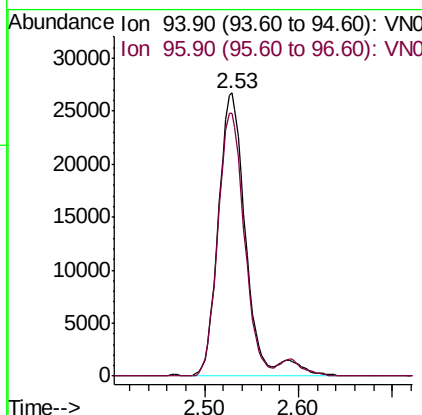
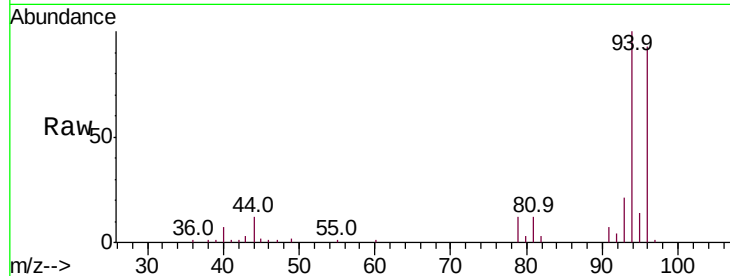
#5
Bromomethane
Concen: 22.152 ug/l m
RT: 2.53 min Scan# 235
Delta R.T. 0.01 min
Lab File: VN056431.D
Acq: 21 Jun 2019 17:13

Instrument :
MSVOA_N
ClientSampleId :
VN0621WBSD02

Tot Ion: 94 Resp: 54508
Ion Ratio Lower Upper
94 100
96 93.1 76.0 114.0

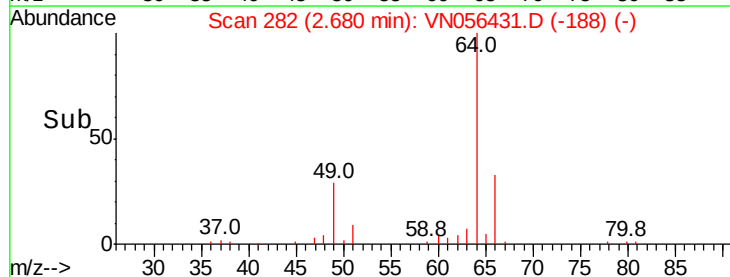
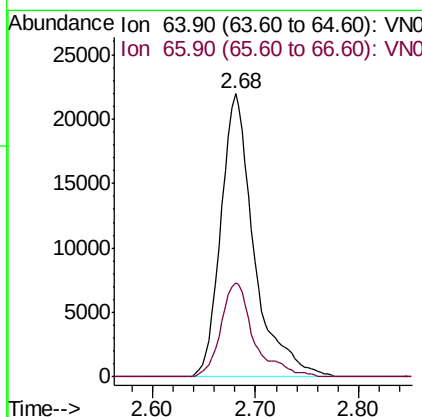
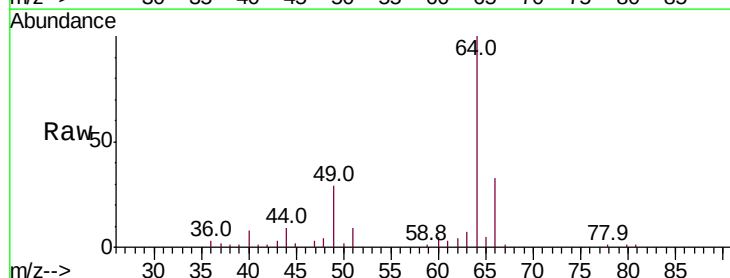
Manual Integrations
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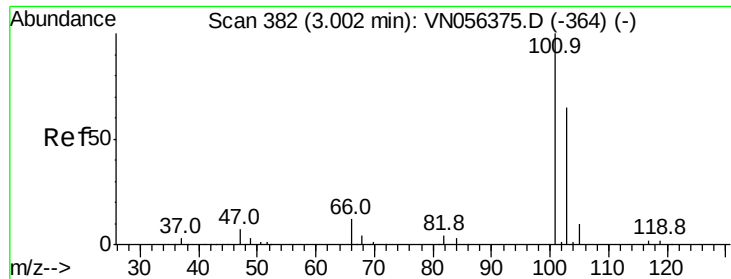
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#6
Chloroethane
Concen: 20.230 ug/l
RT: 2.68 min Scan# 282
Delta R.T. 0.00 min
Lab File: VN056431.D
Acq: 21 Jun 2019 17:13

Tgt Ion: 64 Resp: 49172
Ion Ratio Lower Upper
64 100
66 33.3 25.8 38.8





#7

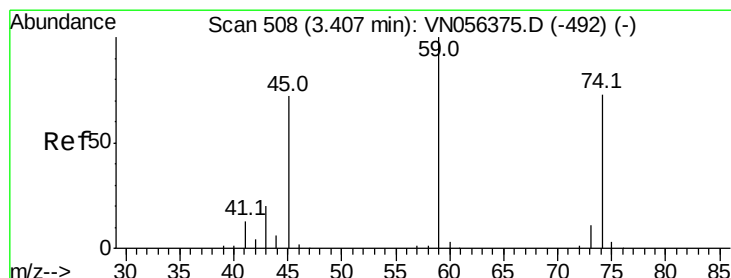
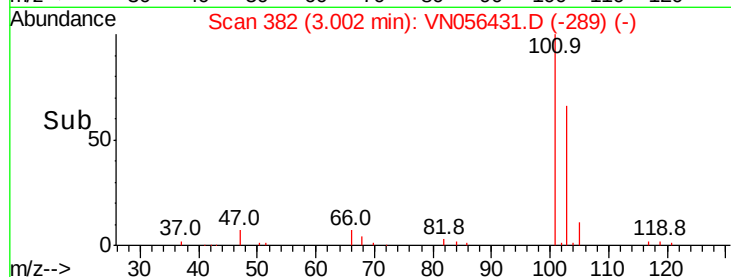
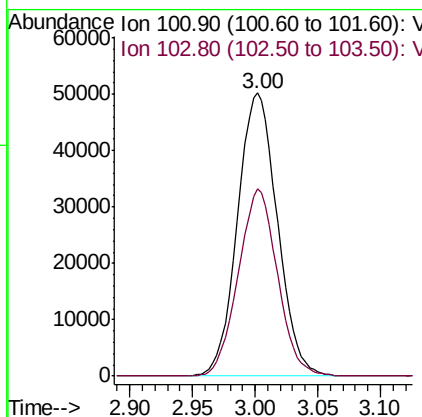
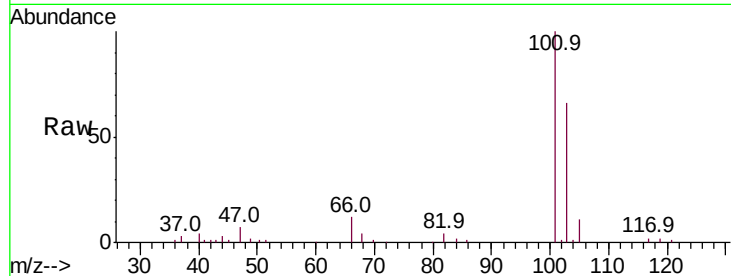
Trichlorofluoromethane
Concen: 20.457 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN056431.D
Acq: 21 Jun 2019 17:13

Instrument :
MSVOA_N
ClientSampleId :
VN0621WBSD02

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.0	51.7	77.5

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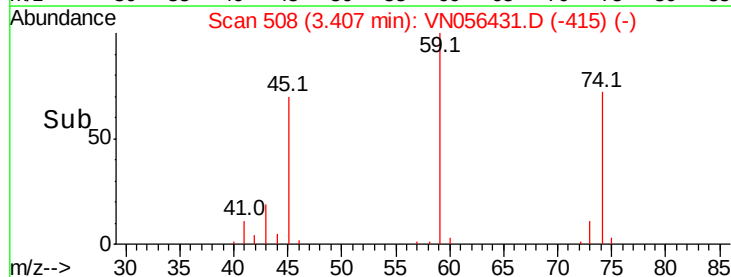
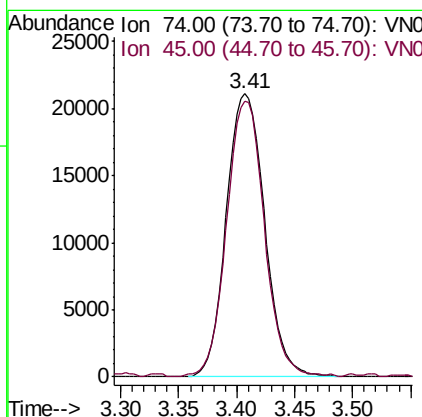
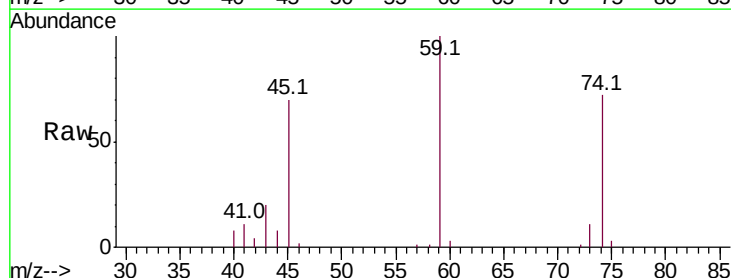
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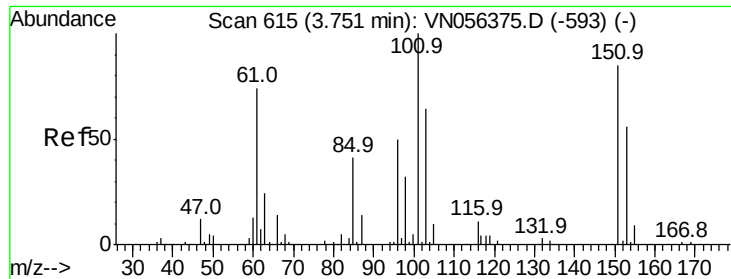


#8

Diethyl Ether
Concen: 21.133 ug/l
RT: 3.41 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN056431.D
Acq: 21 Jun 2019 17:13

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.3	48.9	146.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.922 ug/l

RT: 3.75 min Scan# 615

Delta R.T. 0.00 min

Lab File: VN056431.D

Acq: 21 Jun 2019 17:13

Instrument :

MSVOA_N

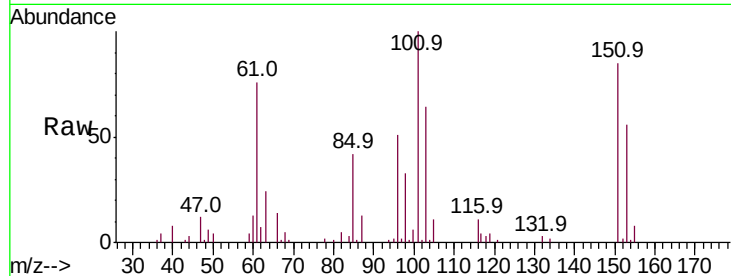
ClientSampleId :

VN0621WBSD02

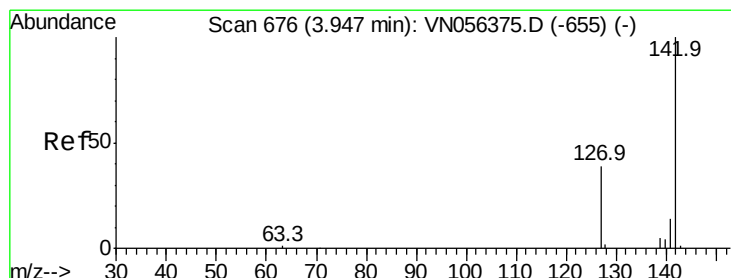
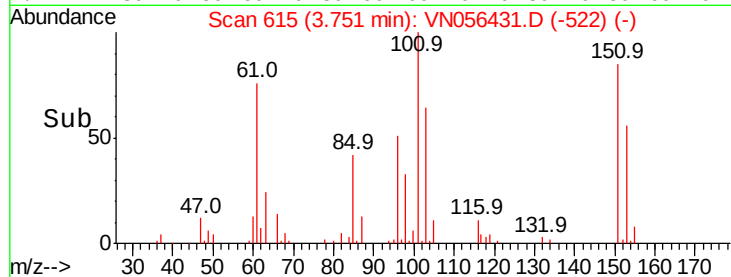
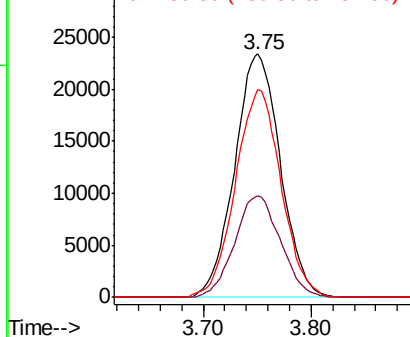
Tot Ion:	101	Resp:	68979
Ion Ratio	Lower	Upper	
101	100		
85	41.8	32.7	49.1
151	84.9	66.8	100.2

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



#10

Methyl Iodide

Concen: 19.728 ug/l

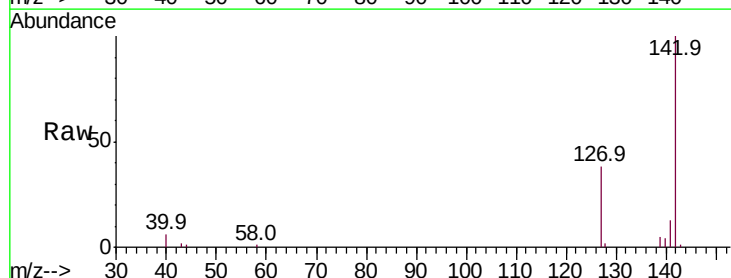
RT: 3.95 min Scan# 676

Delta R.T. 0.00 min

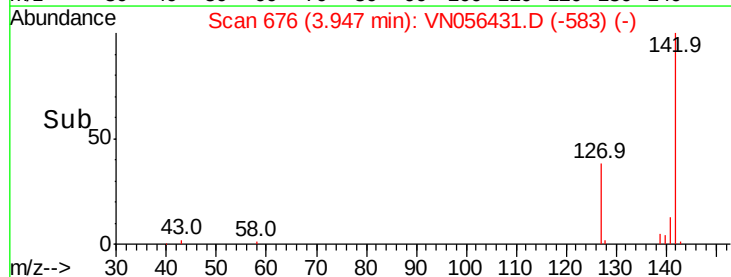
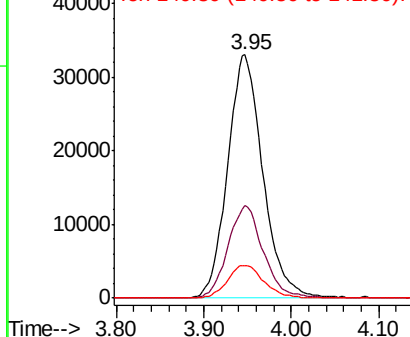
Lab File: VN056431.D

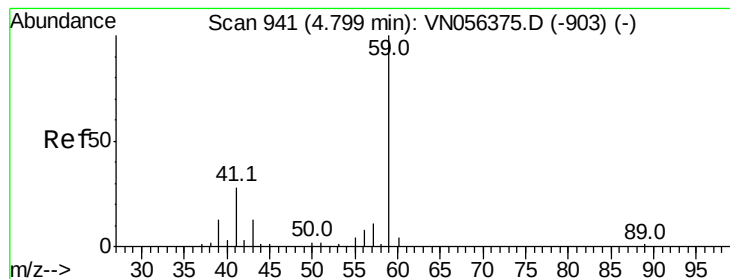
Acq: 21 Jun 2019 17:13

Tgt Ion:	142	Resp:	92320
Ion Ratio	Lower	Upper	
142	100		
127	37.9	30.6	46.0
141	13.6	11.4	17.2



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





#11

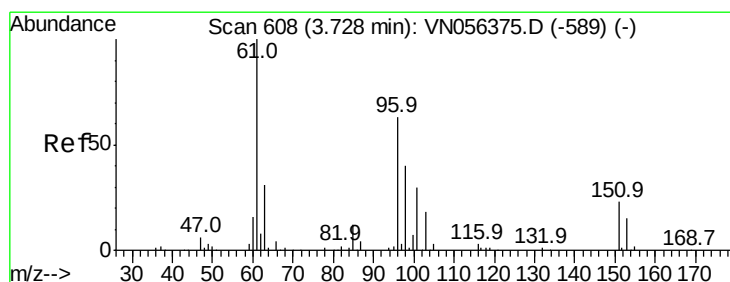
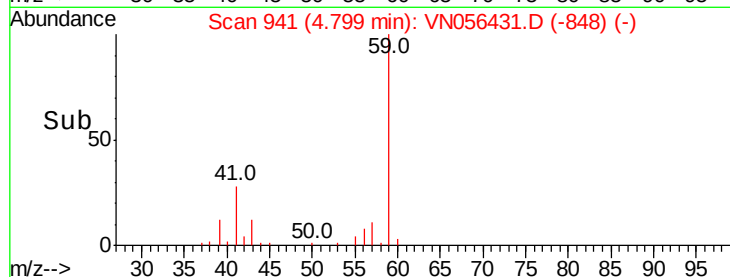
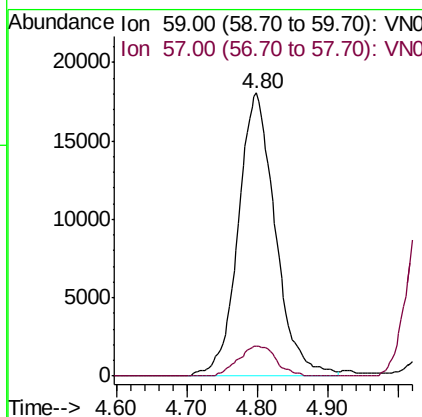
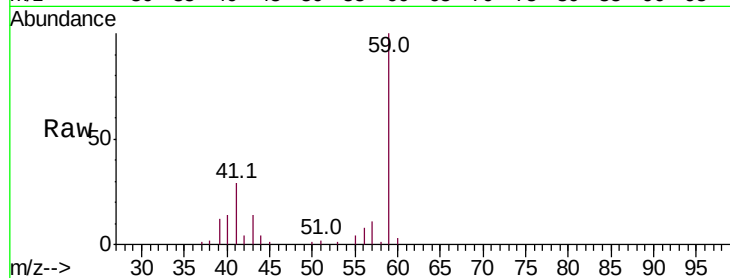
Tert butyl alcohol
Concen: 94.177 ug/l
RT: 4.80 min Scan# 941
Delta R.T. 0.00 min
Lab File: VN056431.D
Acq: 21 Jun 2019 17:13

Instrument :
MSVOA_N
ClientSampleId :
VN0621WBSD02

Tot Ion	59	57	Ratio	100	10.9	Resp	66262	Lower	Upper
59	100								
57		10.9						7.6	11.4

Manual Integrations
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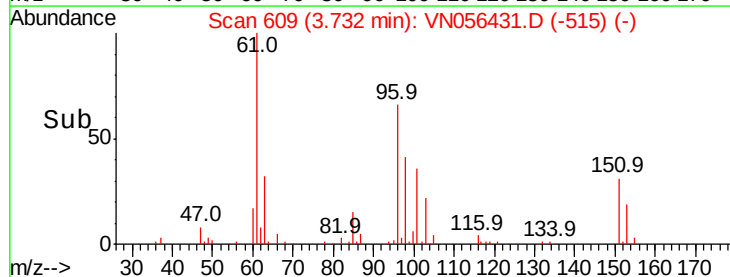
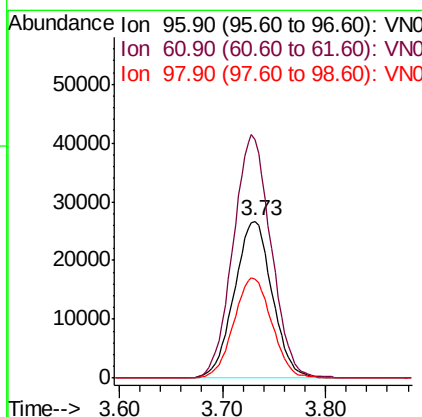
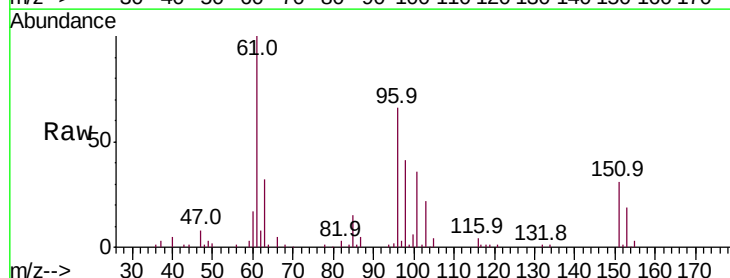
MMDadoda
6/24/2019 4:16:06 PM

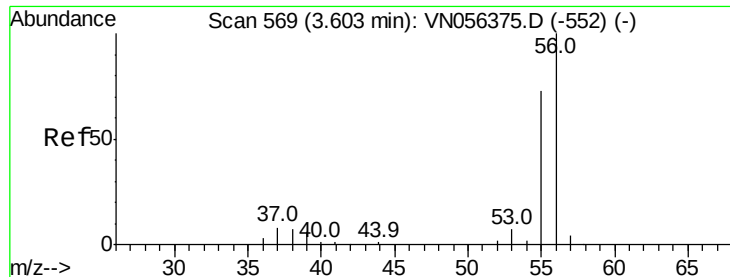


#12

1,1-Dichloroethene
Concen: 20.493 ug/l
RT: 3.73 min Scan# 609
Delta R.T. 0.00 min
Lab File: VN056431.D
Acq: 21 Jun 2019 17:13

Tgt Ion	96	61	98	Ratio	100	152.1	62.9	Resp	68236	Lower	Upper
96	100										
61		152.1								126.6	190.0
98		62.9								51.1	76.7





#13

Acrolein

Concen: 83.391 ug/l

RT: 3.60 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN056431.D

Acq: 21 Jun 2019 17:13

Instrument :

MSVOA_N

ClientSampleId :

VN0621WBSD02

Tot Ion: 56 Resp: 49451

Ion Ratio Lower Upper

56 100

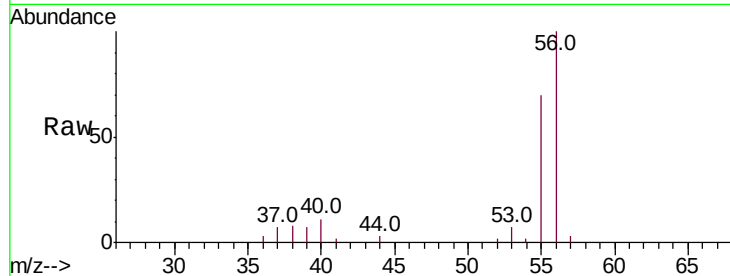
55 71.6 57.1 85.7

Manual Integrations

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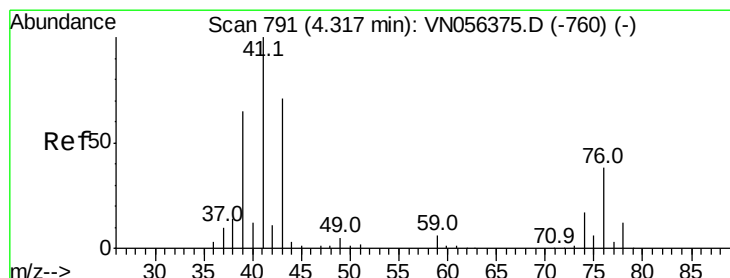
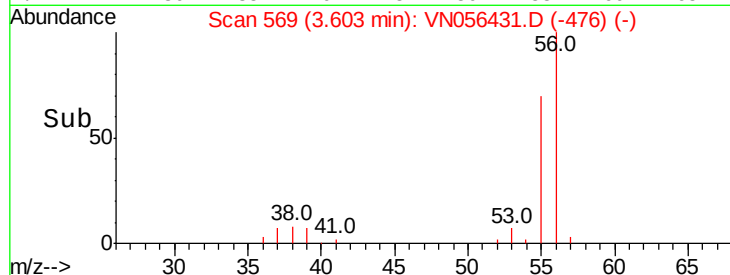
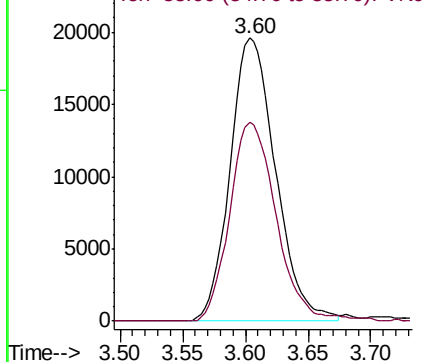
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 20.058 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN056431.D

Acq: 21 Jun 2019 17:13

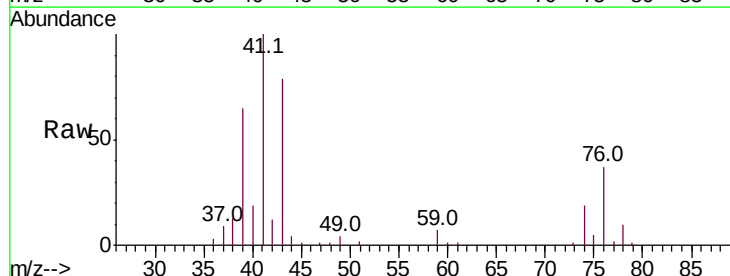
Tgt Ion: 41 Resp: 111176

Ion Ratio Lower Upper

41 100

39 60.5 48.6 73.0

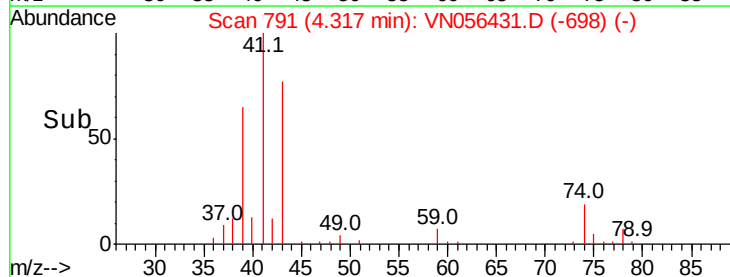
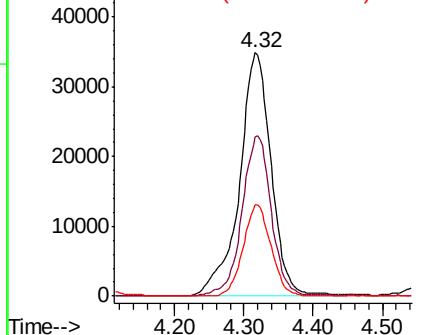
76 32.7 26.6 40.0

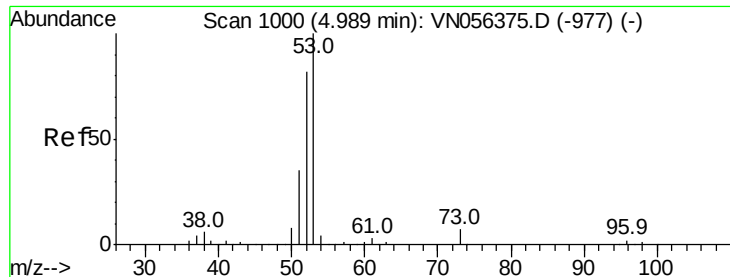


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 104.753 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056431.D

Acq: 21 Jun 2019 17:13

Instrument :

MSVOA_N

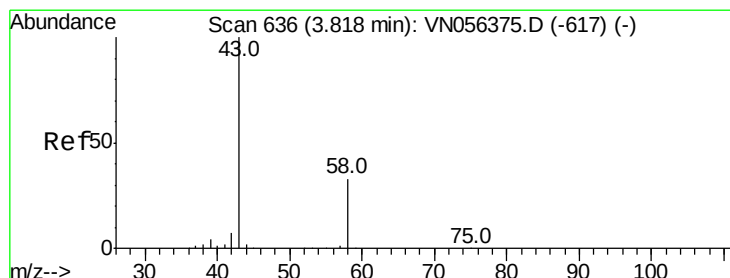
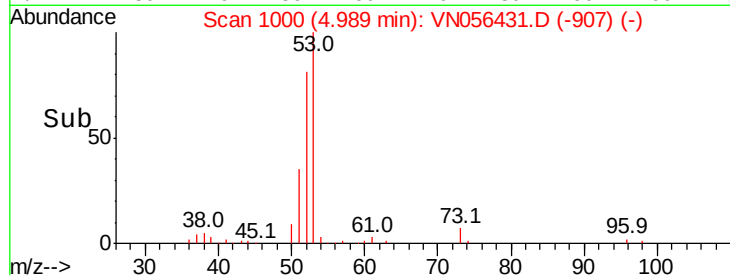
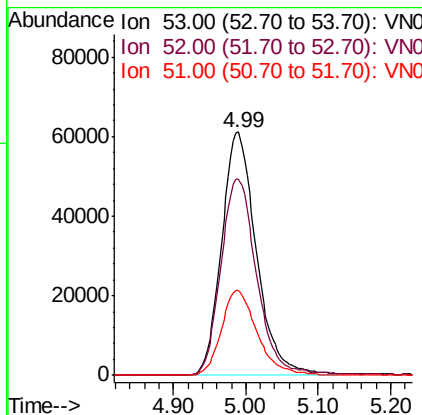
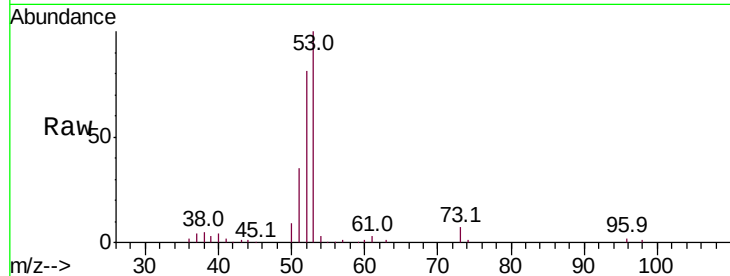
ClientSampleId :

VN0621WBSD02

Tot Ion:	53	Resp:	203900
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: 90.041 ug/l

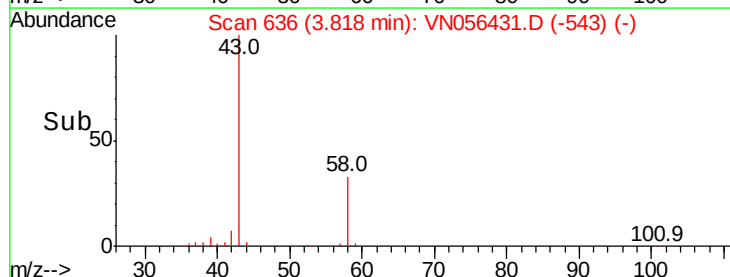
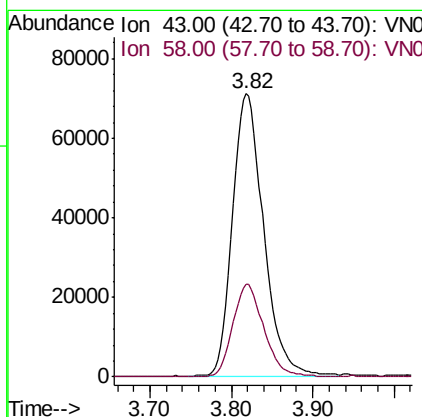
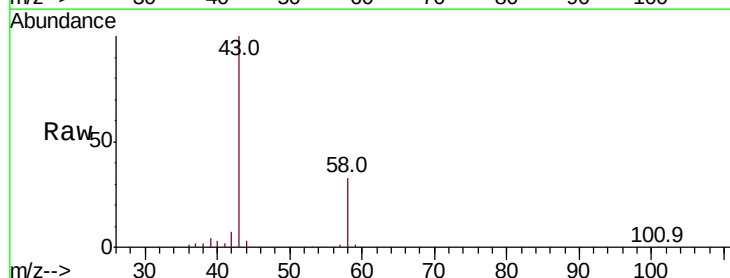
RT: 3.82 min Scan# 636

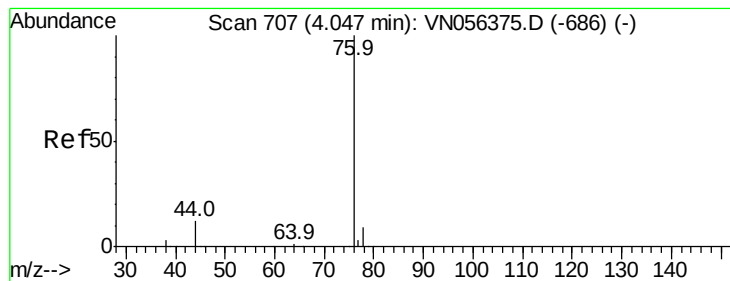
Delta R.T. 0.00 min

Lab File: VN056431.D

Acq: 21 Jun 2019 17:13

Tgt Ion:	43	Resp:	188452
Ion	Ratio	Lower	Upper
43	100		
58	32.7	26.4	39.6





#17

Carbon Disulfide

Concen: 17.562 ug/l

RT: 4.05 min Scan# 707

Delta R.T. 0.00 min

Lab File: VN056431.D

Acq: 21 Jun 2019 17:13

Instrument :

MSVOA_N

ClientSampleId :

VN0621WBSD02

Tot Ion: 76 Resp: 133001

Ion Ratio Lower Upper

76 100

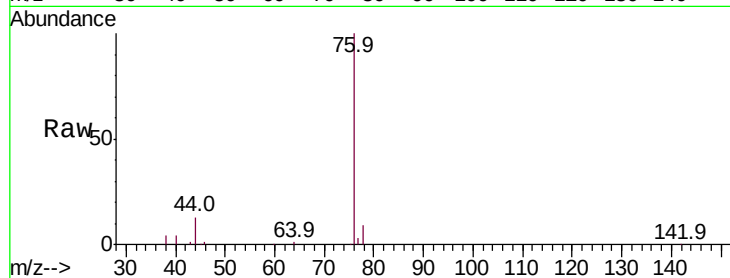
78 8.7 7.1 10.7

Manual Integrations

APPROVED

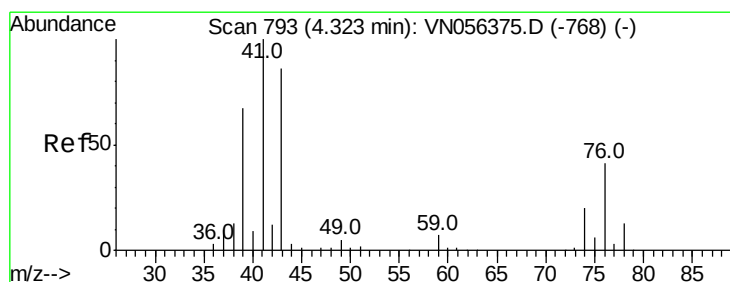
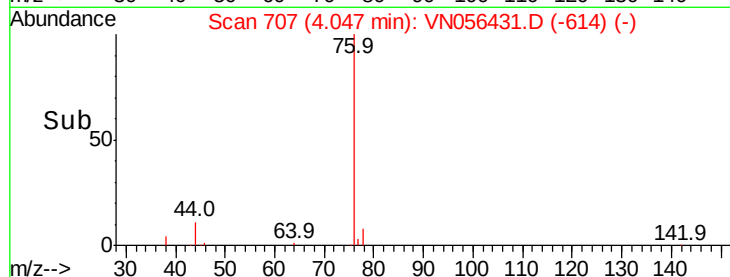
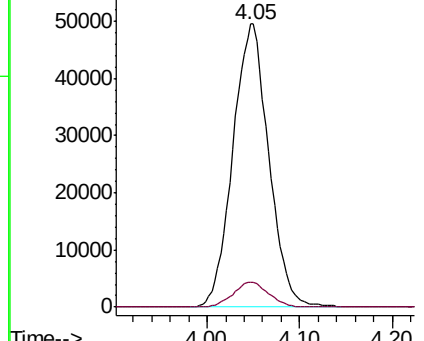
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC



#18

Methyl Acetate

Concen: 21.806 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN056431.D

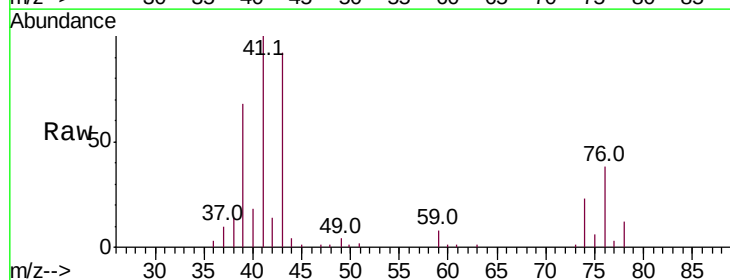
Acq: 21 Jun 2019 17:13

Tgt Ion: 43 Resp: 91394

Ion Ratio Lower Upper

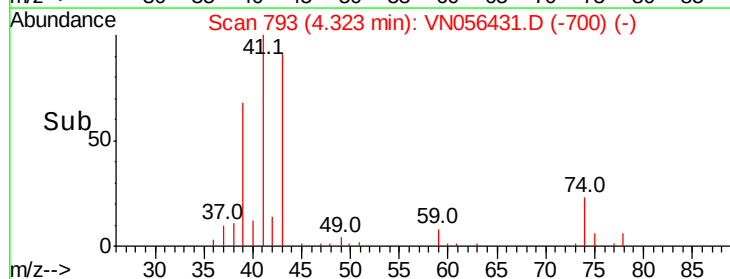
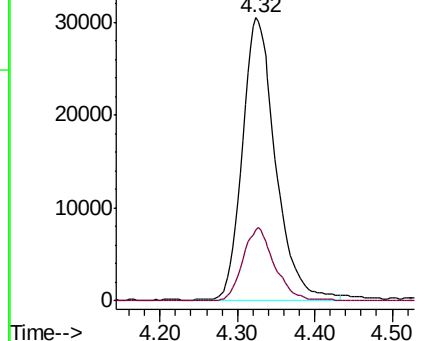
43 100

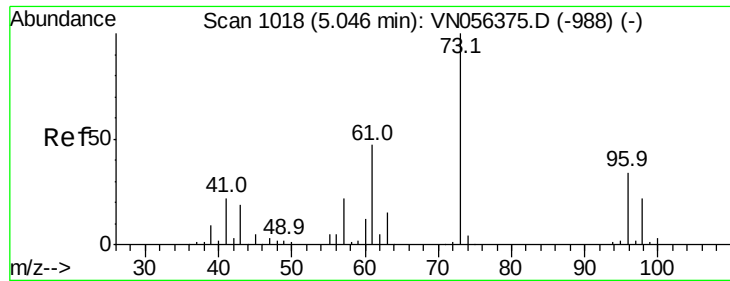
74 24.6 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC





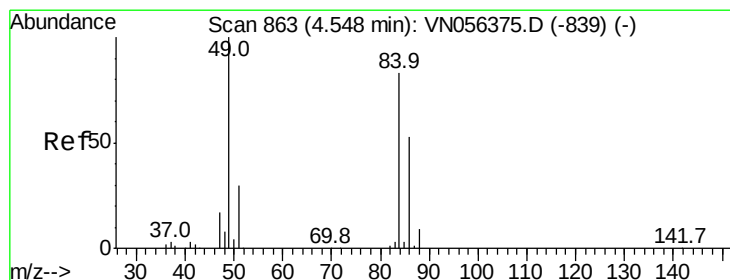
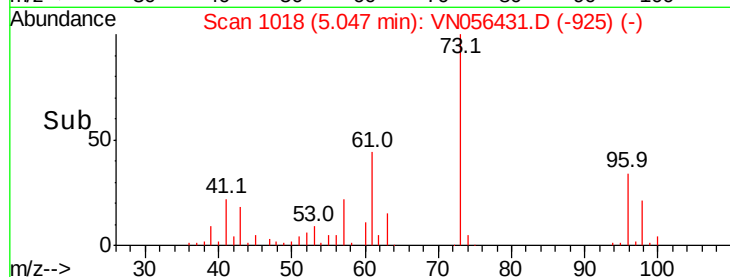
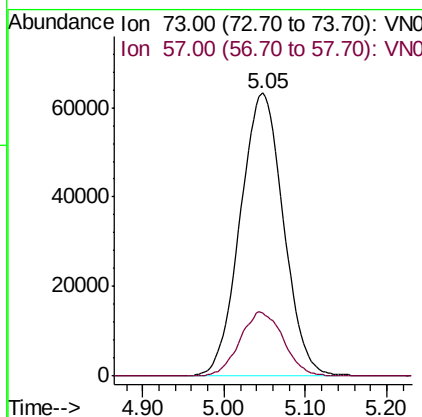
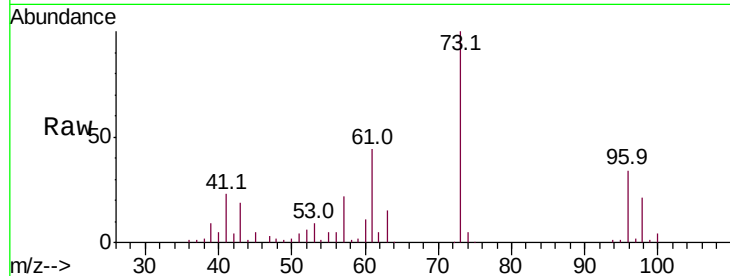
#19
Methvl tert-butvl Ether
Concen: 21.091 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN056431.D
Acq: 21 Jun 2019 17:13

Instrument :
MSVOA_N
ClientSampleId :
VN0621WBSD02

Tot Ion: 73 Resp: 232379
Ion Ratio Lower Upper
73 100
57 22.4 17.9 26.9

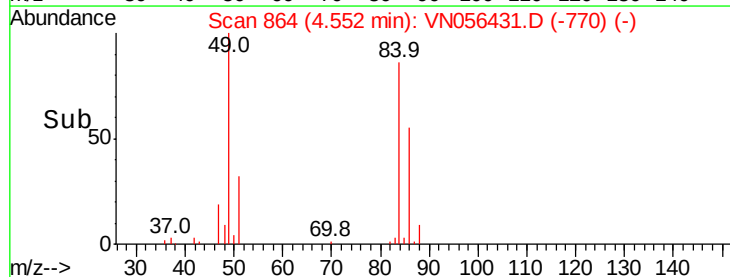
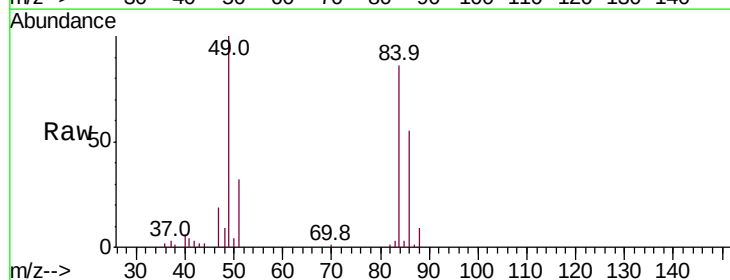
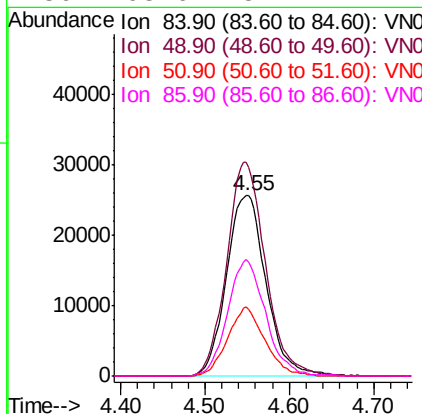
Manual Integrations
APPROVED

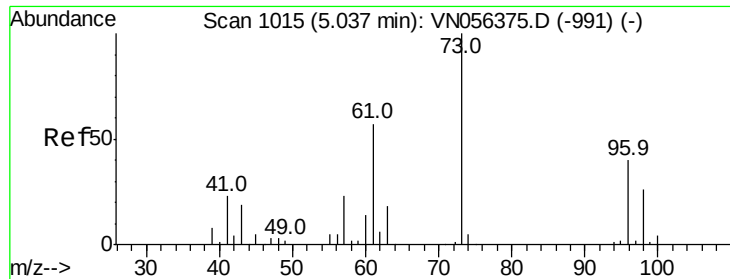
MMDadoda
6/24/2019 4:16:06 PM



#20
Methylene Chloride
Concen: 20.732 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN056431.D
Acq: 21 Jun 2019 17:13

Tgt Ion: 84 Resp: 83854
Ion Ratio Lower Upper
84 100
49 116.2 96.4 144.6
51 37.0 28.6 43.0
86 63.6 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 19.977 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. 0.00 min

Lab File: VN056431.D

Acq: 21 Jun 2019 17:13

Instrument :

MSVOA_N

ClientSampleId :

VN0621WBSD02

Tot Ion: 96 Resp: 71715

Ion Ratio Lower Upper

96 100

61 134.9 113.0 169.6

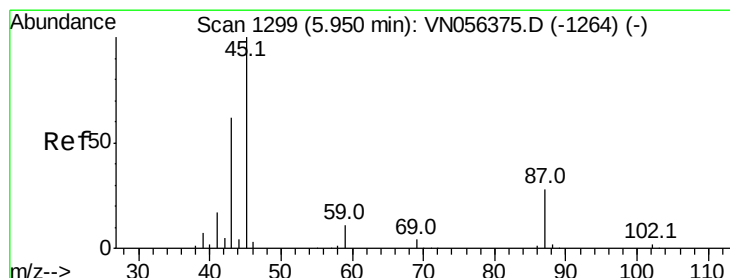
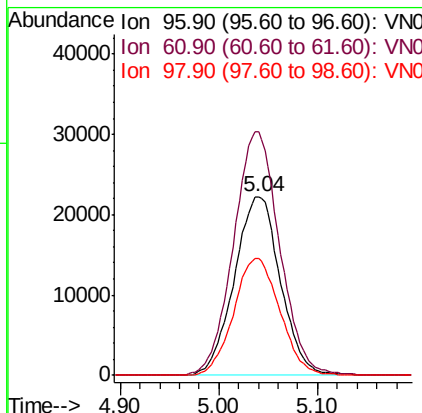
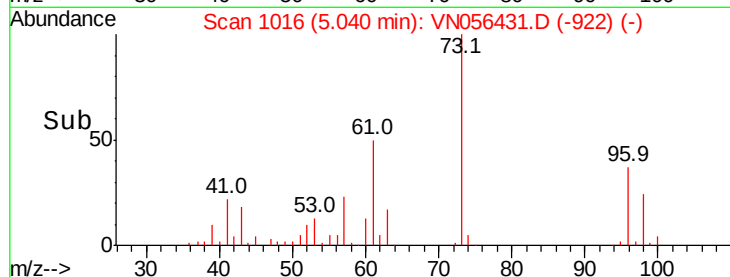
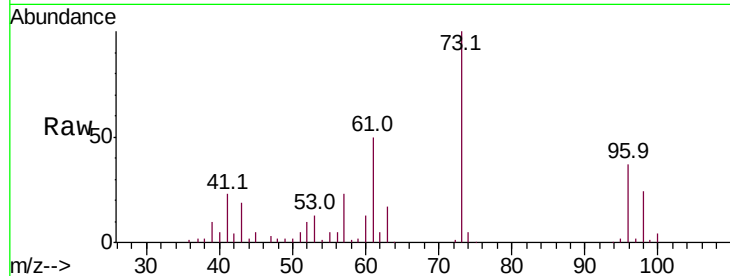
98 65.2 52.2 78.2

Manual Integrations

APPROVED

MMDadoda

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#22

Diisopropyl ether

Concen: 20.976 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN056431.D

Acq: 21 Jun 2019 17:13

Tgt Ion: 45 Resp: 244173

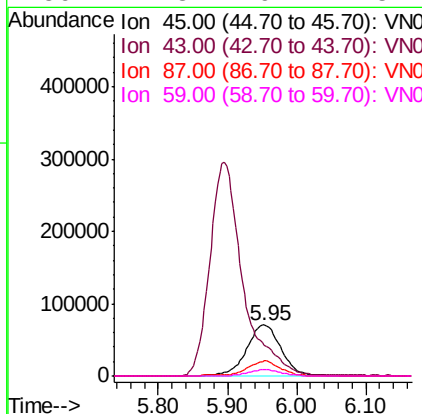
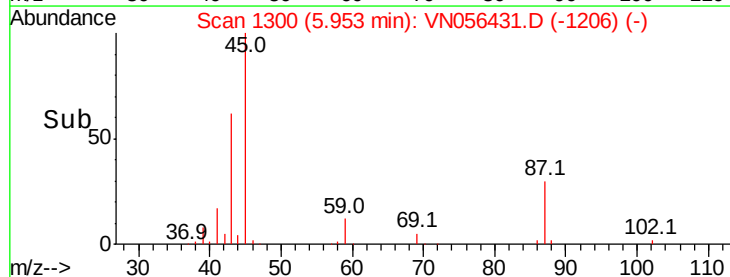
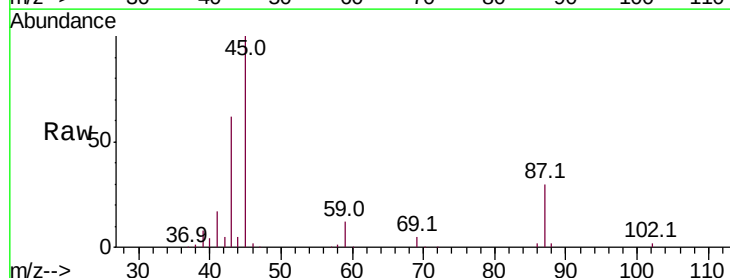
Ion Ratio Lower Upper

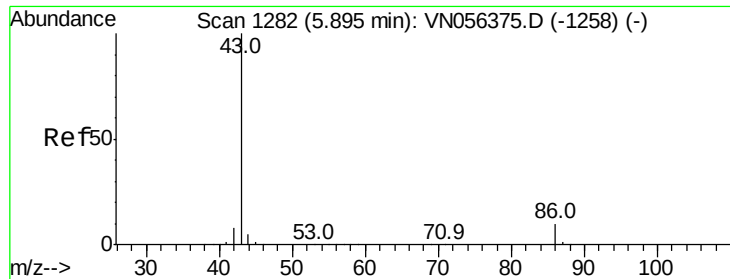
45 100

43 59.7 50.4 75.6

87 29.2 23.0 34.4

59 12.3 9.1 13.7





#23

Vinyl Acetate

Concen: 106.975 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN056431.D

Acq: 21 Jun 2019 17:13

Instrument :

MSVOA_N

ClientSampleId :

VN0621WBSD02

Tot Ion: 43 Resp: 982152

Ion Ratio Lower Upper

43 100

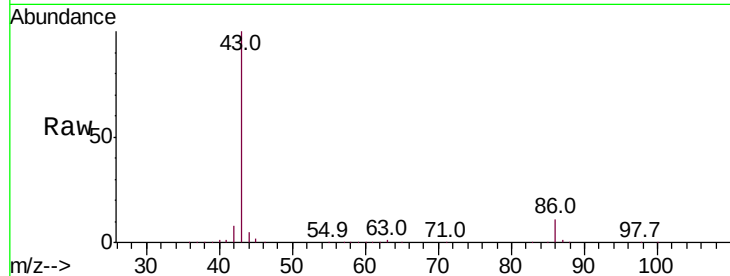
86 10.5 8.3 12.5

Manual Integrations

APPROVED

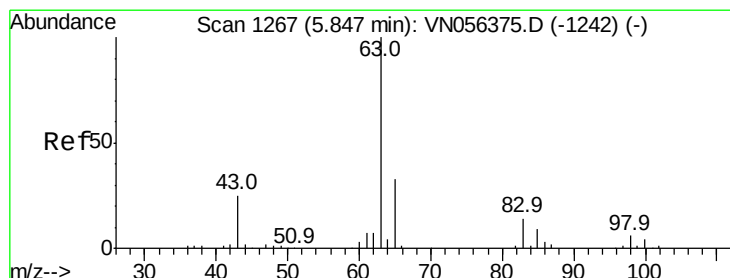
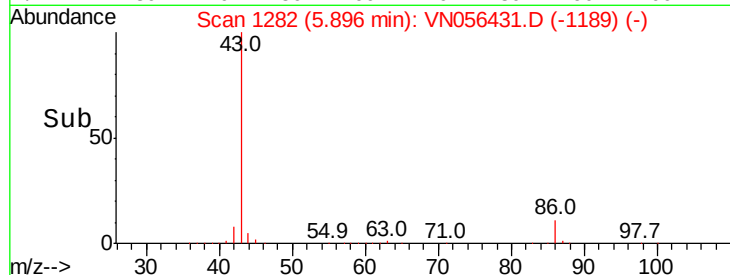
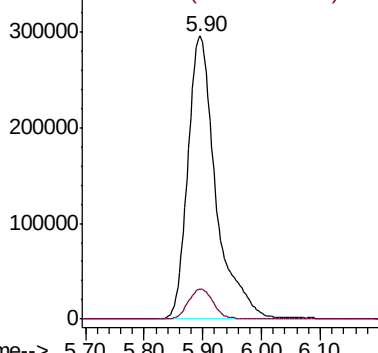
MMDadoda

6/24/2019 4:16:06 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 20.857 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN056431.D

Acq: 21 Jun 2019 17:13

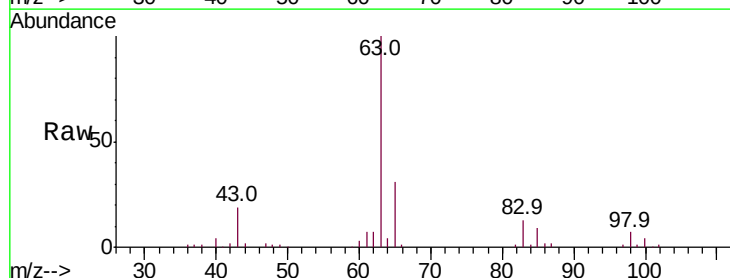
Tgt Ion: 63 Resp: 139367

Ion Ratio Lower Upper

63 100

98 7.2 3.2 9.6

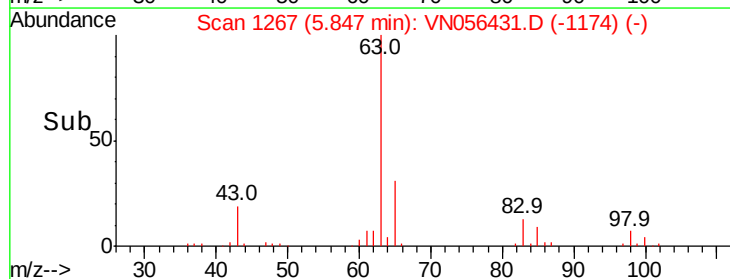
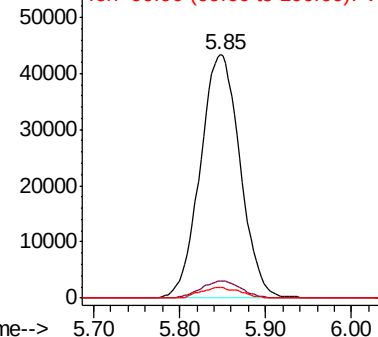
100 4.4 2.1 6.5

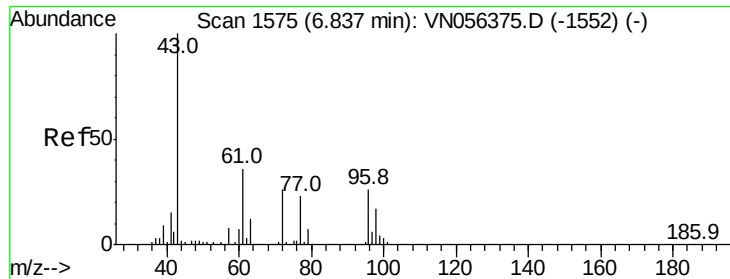


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





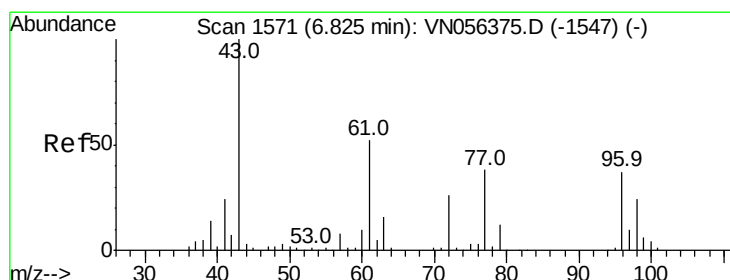
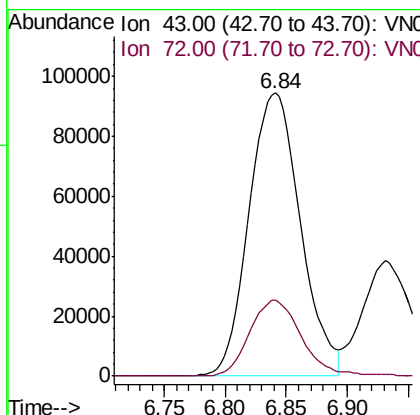
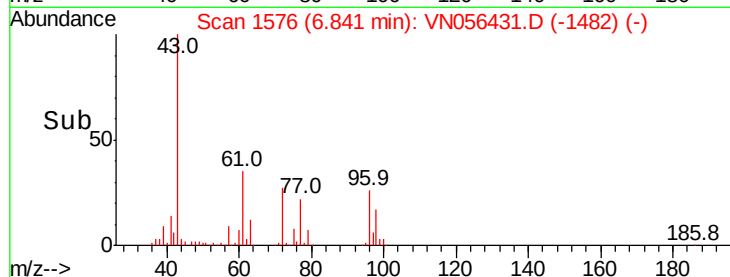
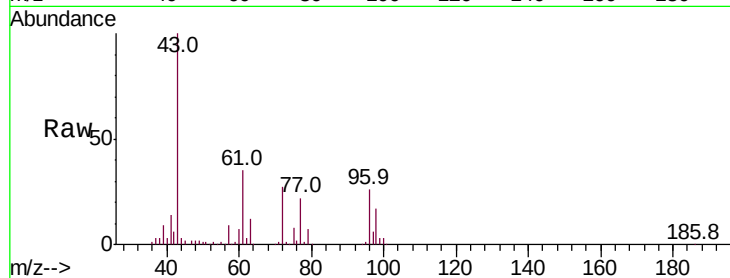
#25
2-Butanone
Concen: 99.510 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN056431.D
Acq: 21 Jun 2019 17:13

Instrument :
MSVOA_N
ClientSampled :
VN0621WBSD02

Tot Ion: 43 Resp: 275649
Ion Ratio Lower Upper
43 100
72 27.1 20.6 31.0

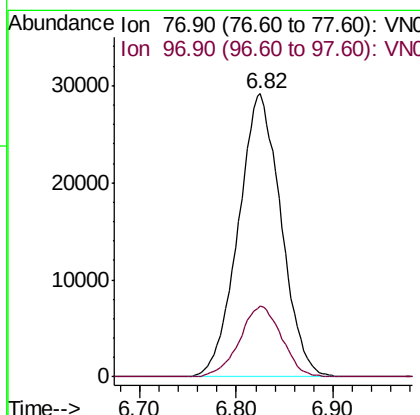
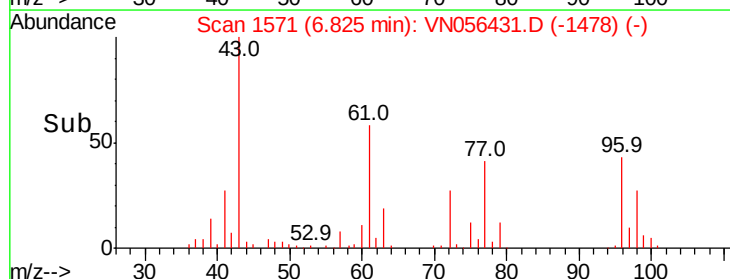
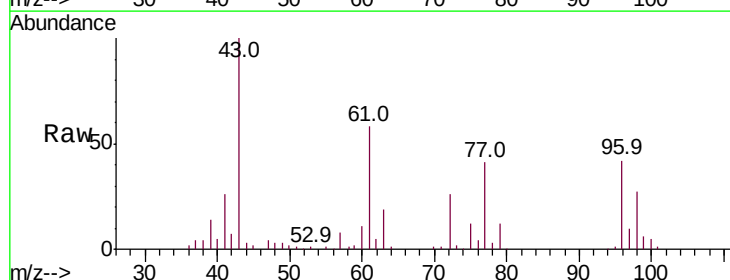
Manual Integrations
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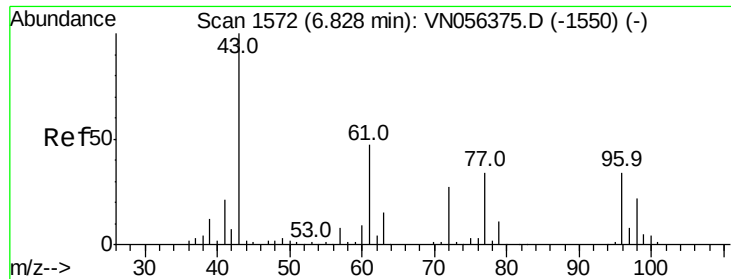
MMDadoda
6/24/2019 4:16:06 PM



#26
2,2-Dichloropropane
Concen: 19.209 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN056431.D
Acq: 21 Jun 2019 17:13

Tgt Ion: 77 Resp: 89269
Ion Ratio Lower Upper
77 100
97 24.6 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 20.661 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN056431.D

Acq: 21 Jun 2019 17:13

Instrument :

MSVOA_N

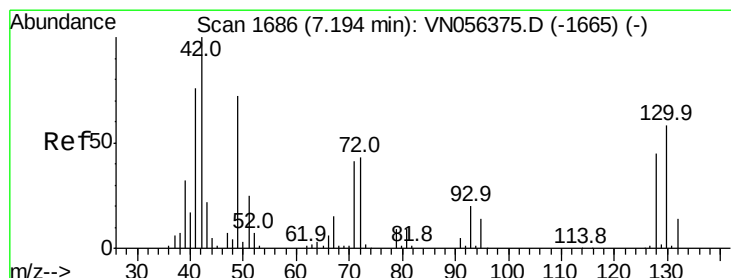
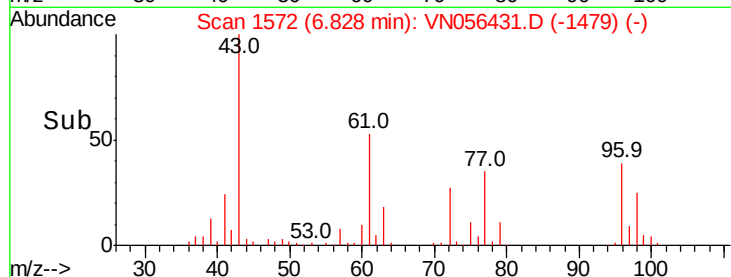
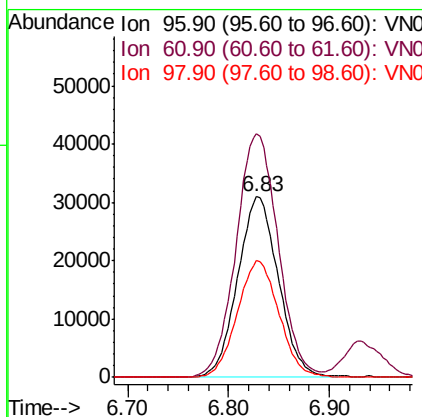
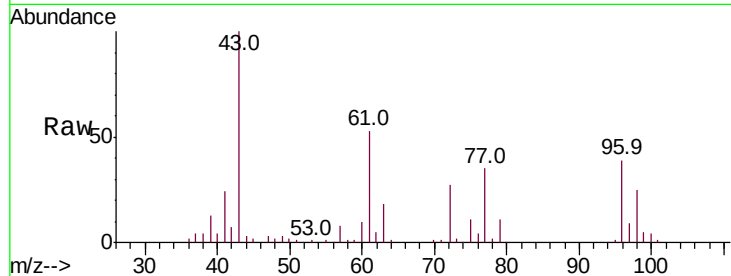
ClientSampleId :

VN0621WBSD02

Tot Ion:	96	Resp:	86777
Ion	Ratio	Lower	Upper
96	100		
61	139.2	0.0	279.8
98	65.8	0.0	130.0

Manual Integrations
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6/24/2019 4:16:06 PM



#28

Bromochloromethane

Concen: 20.733 ug/l

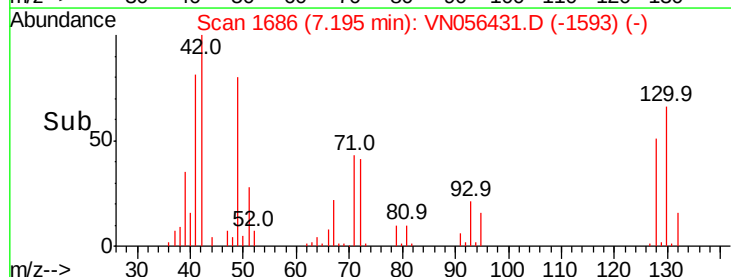
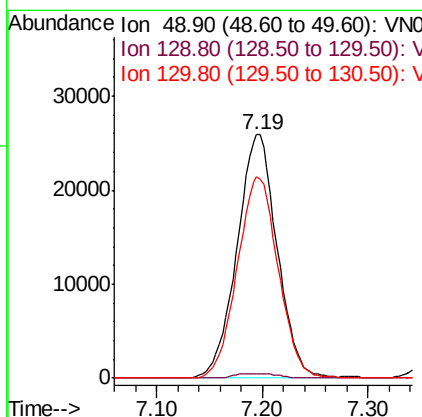
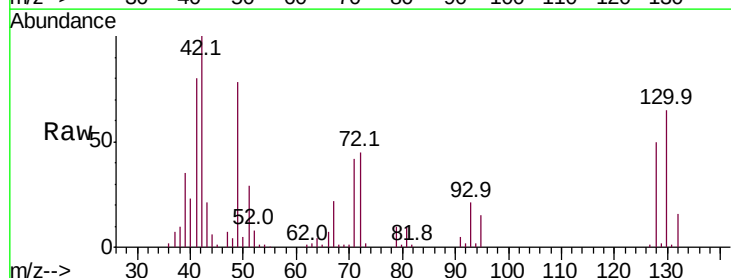
RT: 7.19 min Scan# 1686

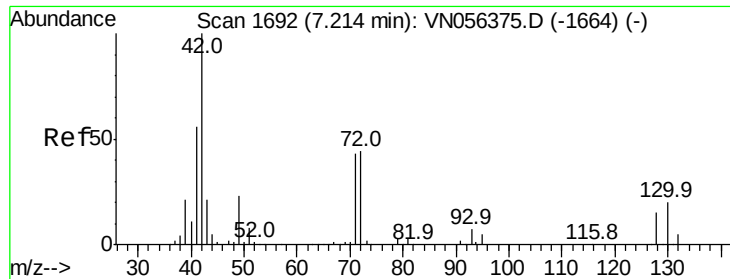
Delta R.T. 0.00 min

Lab File: VN056431.D

Acq: 21 Jun 2019 17:13

Tgt Ion:	49	Resp:	68525
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.2
130	84.0	64.9	97.3





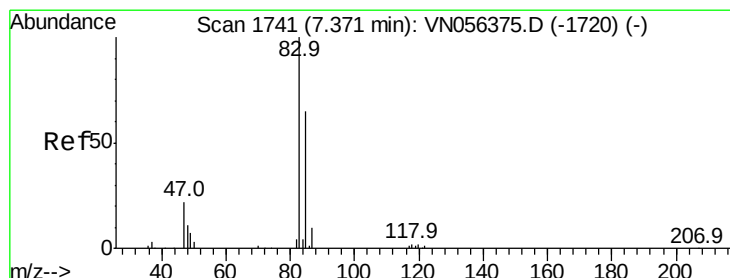
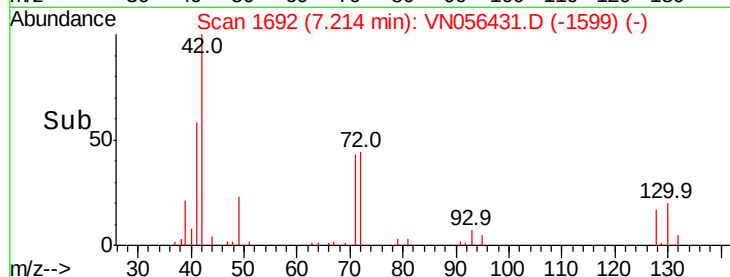
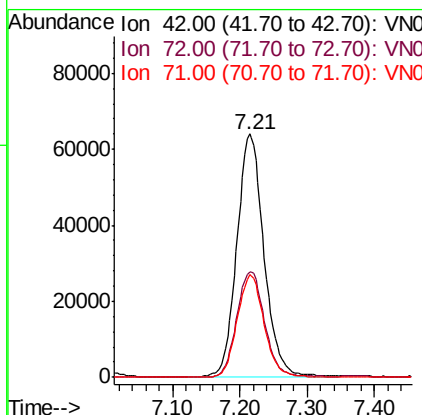
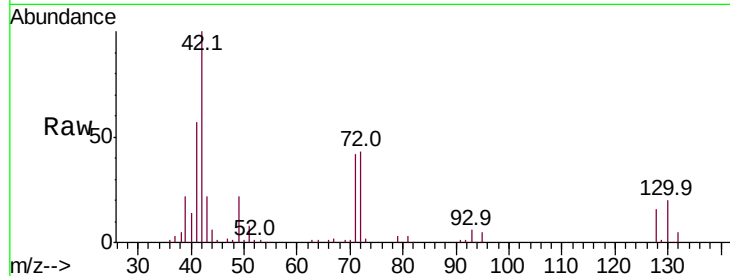
#29
Tetrahydrofuran
Concen: 106.572 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN056431.D
Acq: 21 Jun 2019 17:13

Instrument :
MSVOA_N
ClientSampleId :
VN0621WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.1	34.7	52.1
71	41.7	33.0	49.6

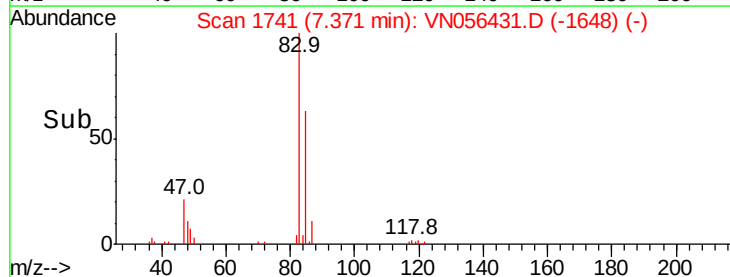
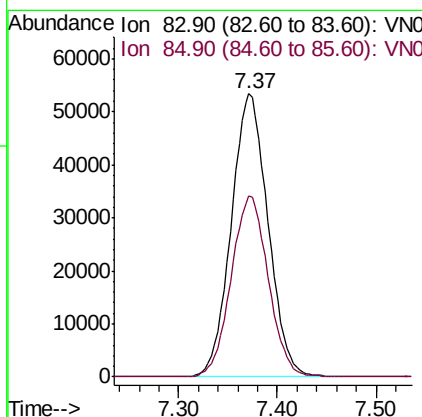
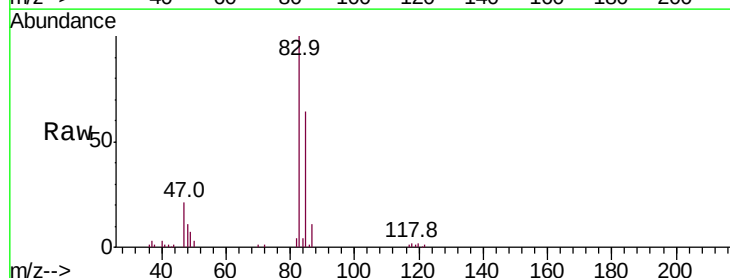
Manual Integrations
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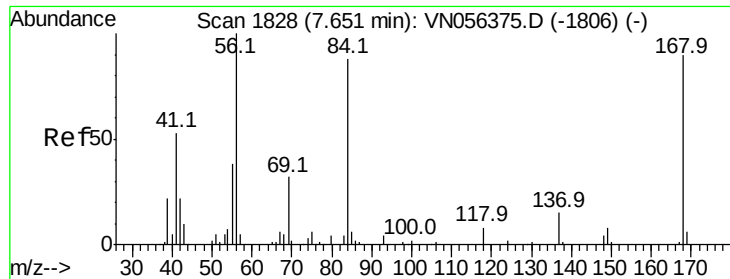
MMDadoda
6/24/2019 4:16:06 PM



#30
Chloroform
Concen: 20.929 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056431.D
Acq: 21 Jun 2019 17:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	52.3	78.5





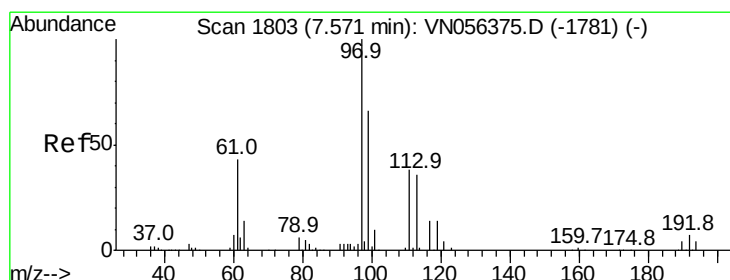
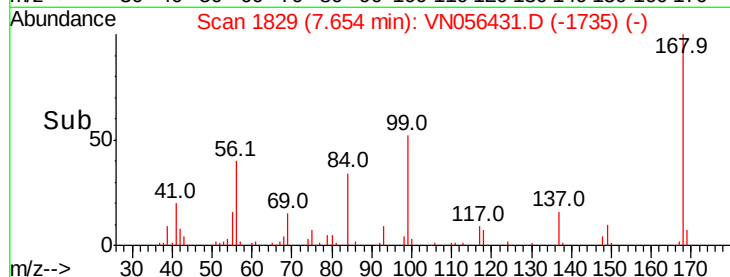
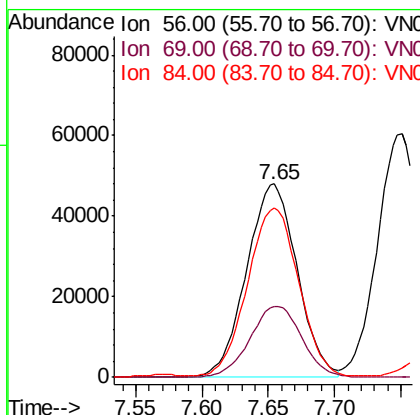
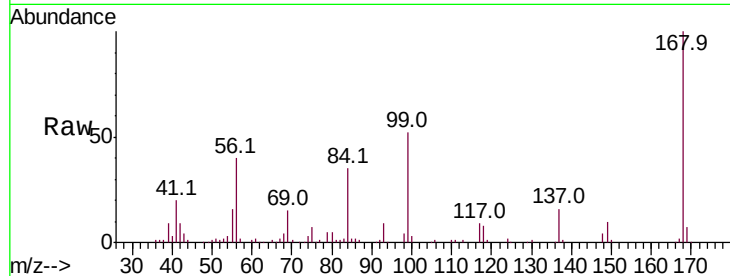
#31
Cyclohexane
Concen: 19.743 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN056431.D
Acq: 21 Jun 2019 17:13

Instrument :
MSVOA_N
ClientSampleId :
VN0621WBSD02

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.6	25.8	38.6
84	87.0	69.4	104.0

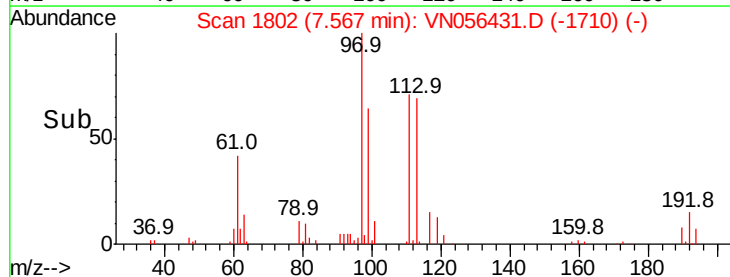
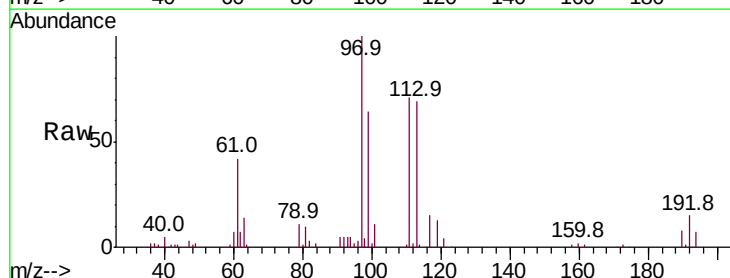
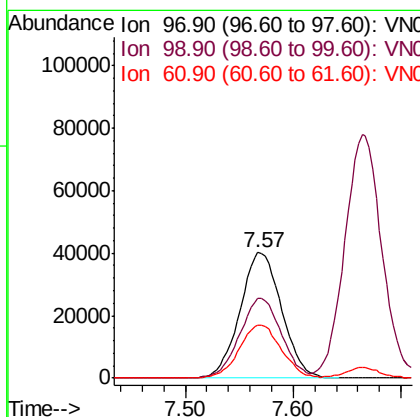
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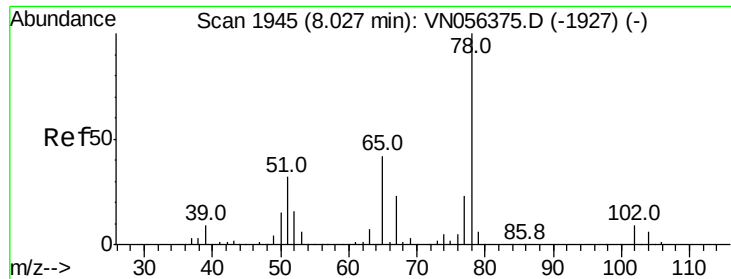
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#32
1,1,1-Trichloroethane
Concen: 20.570 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN056431.D
Acq: 21 Jun 2019 17:13

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.8	77.6
61	42.5	33.9	50.9





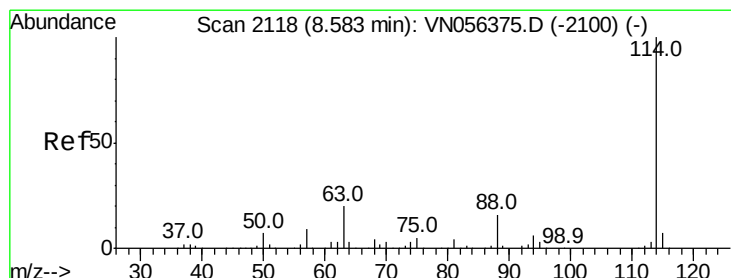
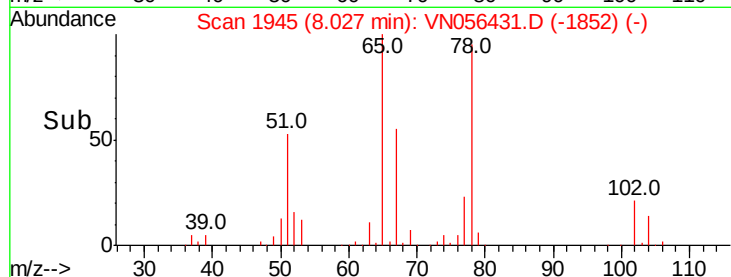
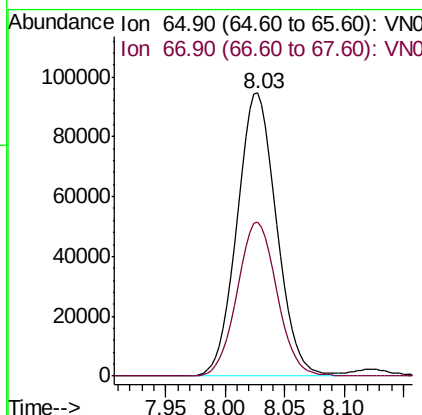
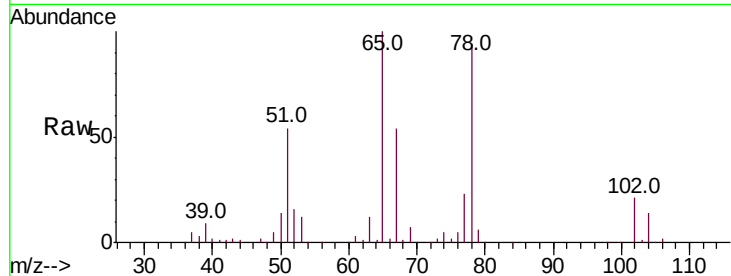
#33
 1,2-Dichloroethane-d4
 Concen: 52.141 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056431.D
 Acq: 21 Jun 2019 17:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.8	0.0	109.0	

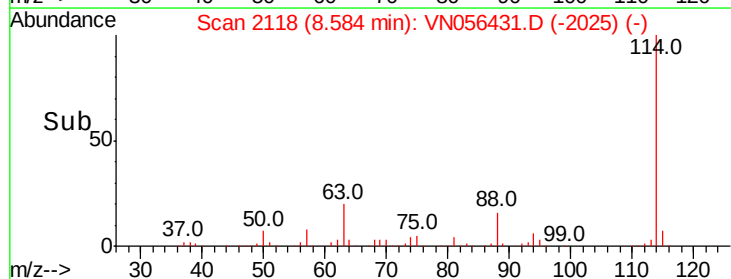
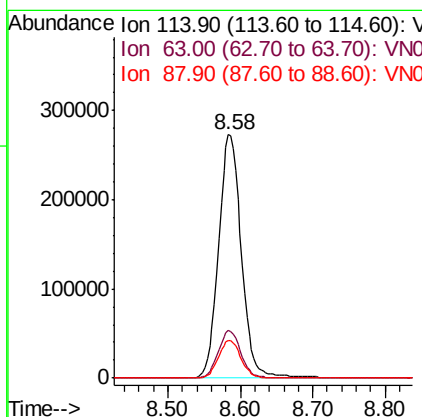
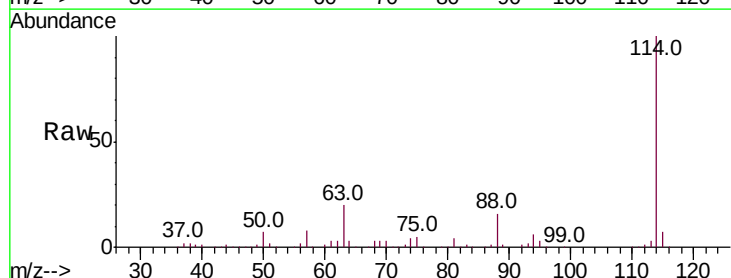
Manual Integrations
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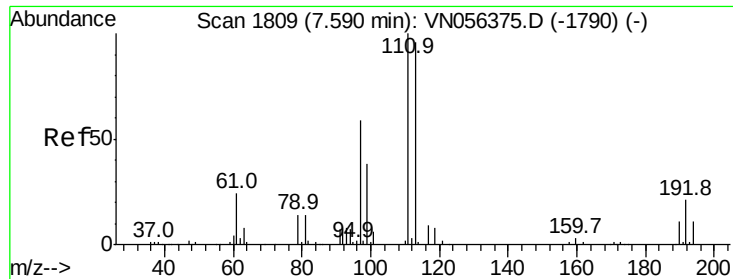
MMDadoda
 6/24/2019 4:16:06 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056431.D
 Acq: 21 Jun 2019 17:13

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





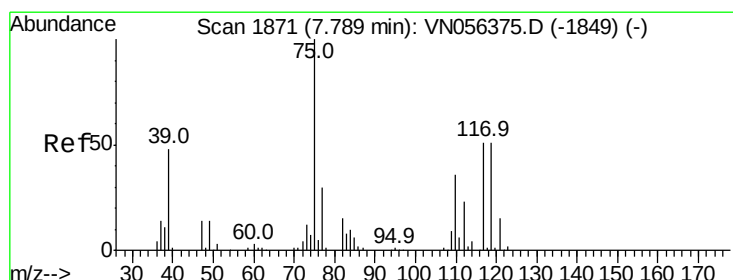
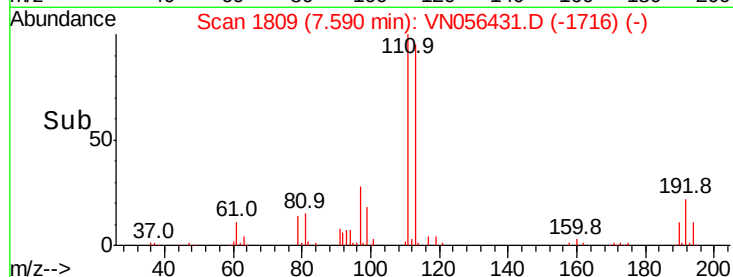
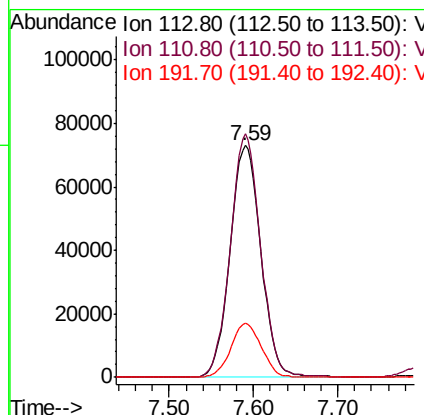
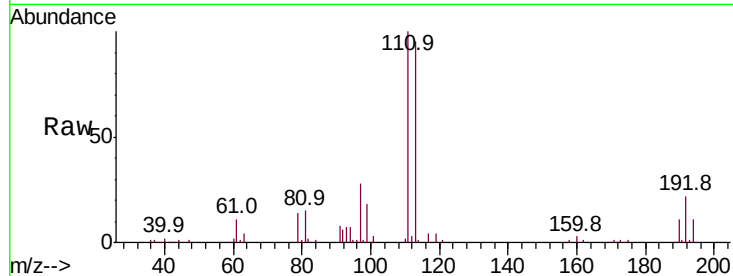
#35
 Dibromofluoromethane
 Concen: 50.249 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056431.D
 Acq: 21 Jun 2019 17:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621WBSD02

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.9	124.3
192	23.0	17.7	26.5

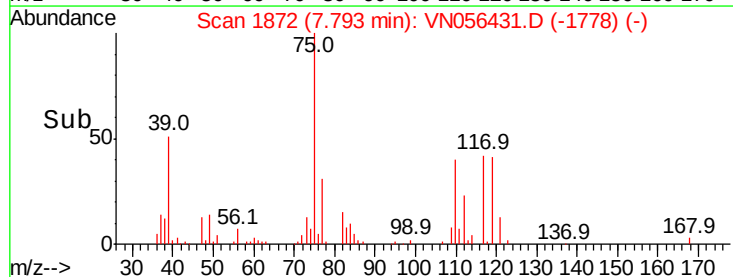
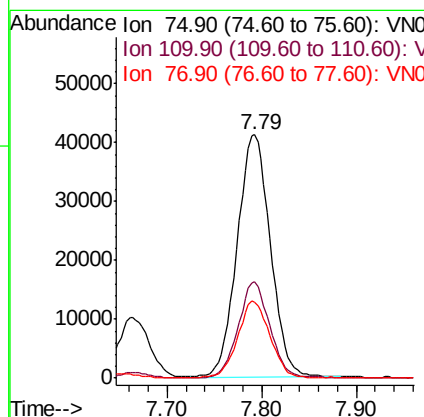
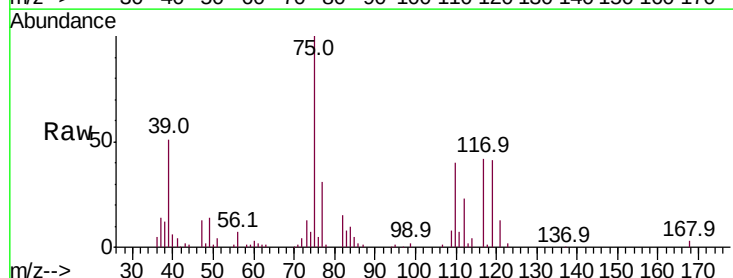
Manual Integrations
 APPROVED

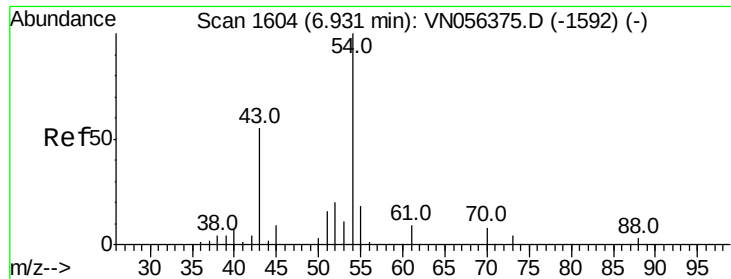
MMDadoda
 6/24/2019 4:16:06 PM



#36
 1,1-Dichloropropene
 Concen: 19.225 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN056431.D
 Acq: 21 Jun 2019 17:13

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.8	18.1	54.3
77	30.8	24.6	36.8





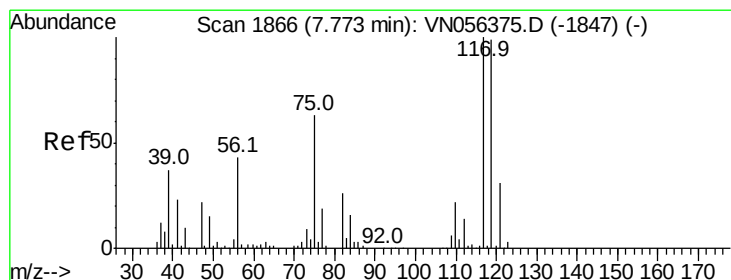
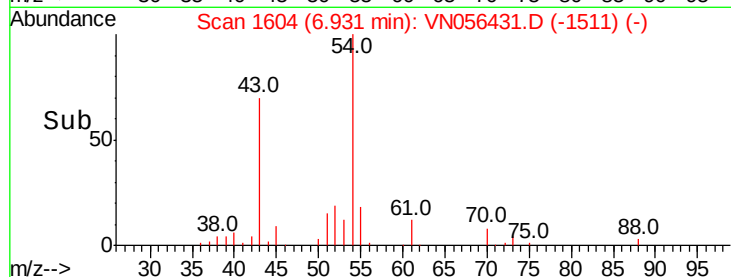
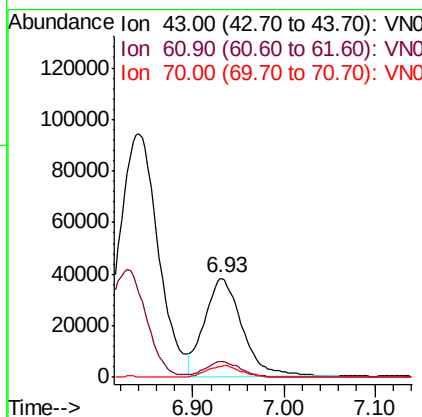
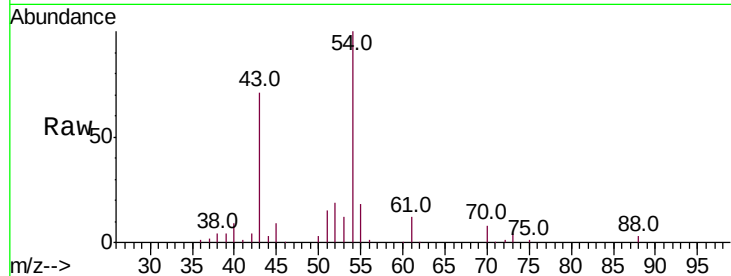
#37
Ethyl Acetate
Concen: 21.386 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN056431.D
Acq: 21 Jun 2019 17:13

Instrument :
MSVOA_N
ClientSampleId :
VN0621WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.1	16.7
70	10.9	8.3	12.5

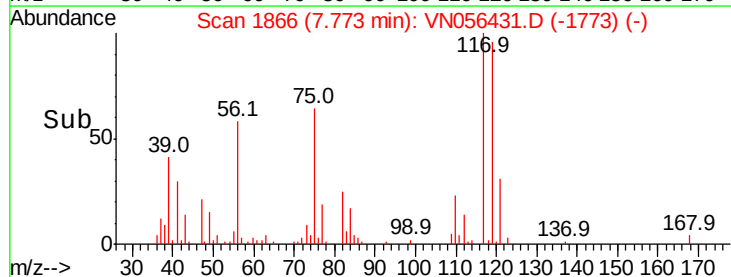
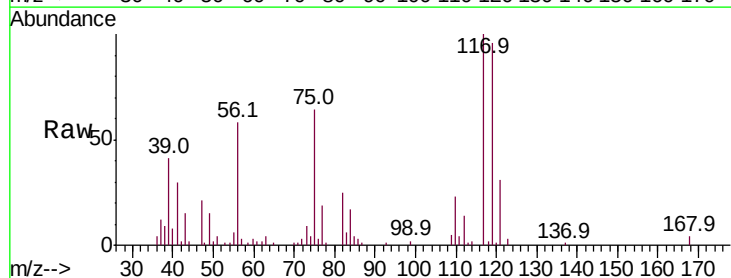
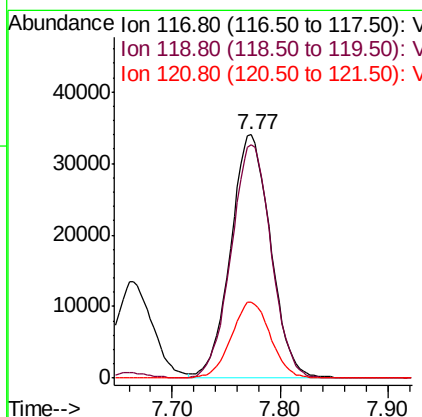
Manual Integrations
APPROVED

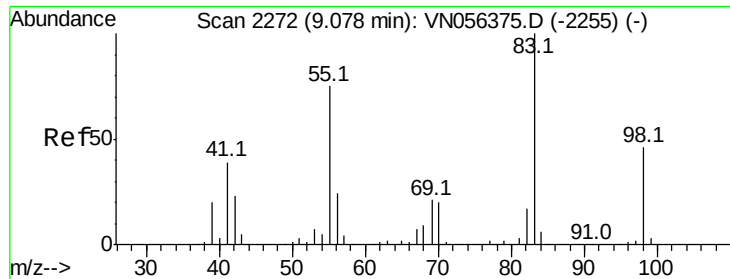
MMDadoda
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#38
Carbon Tetrachloride
Concen: 19.192 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN056431.D
Acq: 21 Jun 2019 17:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	79.1	118.7
121	31.0	24.8	37.2





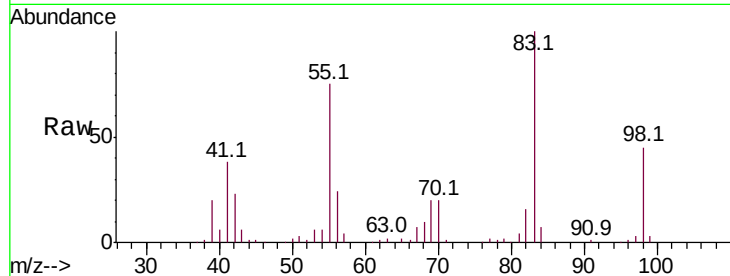
#39
Methylvlcyclohexane
Concen: 18.948 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056431.D
Acq: 21 Jun 2019 17:13

Instrument :
MSVOA_N
ClientSampleId :
VN0621WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	74.9	60.0	90.0	
98	45.3	36.6	54.8	

Manual Integrations
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MMDadoda
6/24/2019 4:16:06 PM

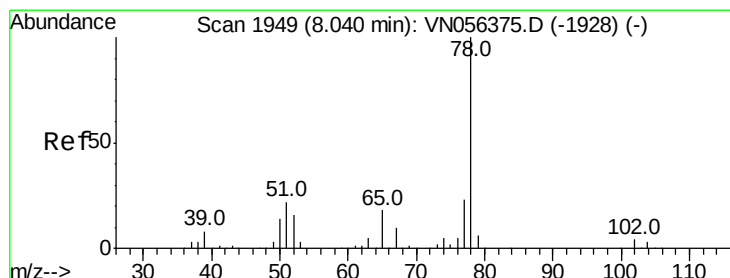
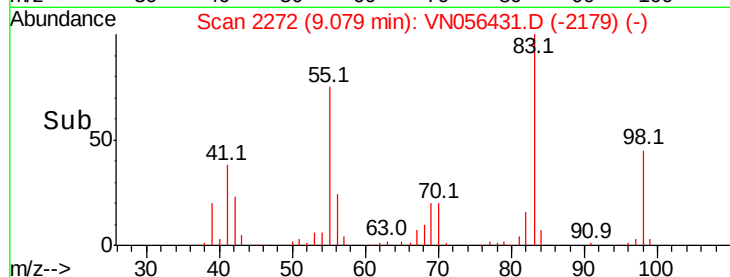
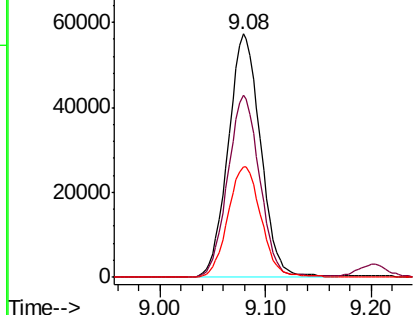


Abundance

Ion 83.00 (82.70 to 83.70): VN0

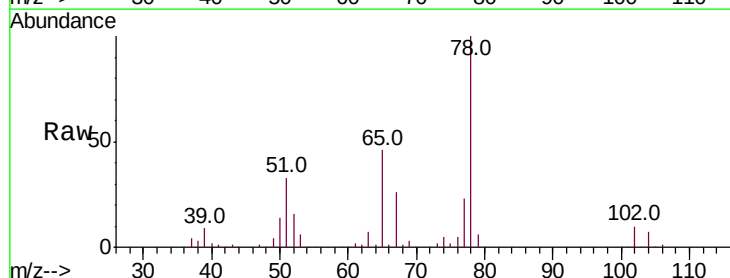
Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#40
Benzene
Concen: 19.772 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056431.D
Acq: 21 Jun 2019 17:13

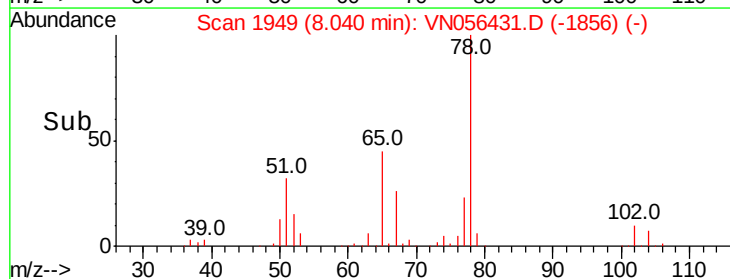
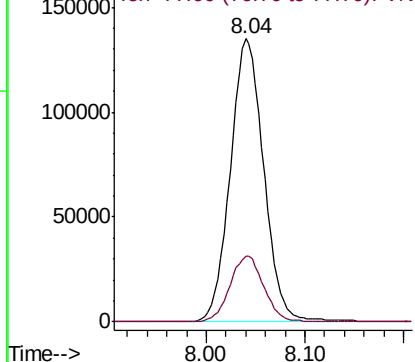
Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.0	18.3	27.5	

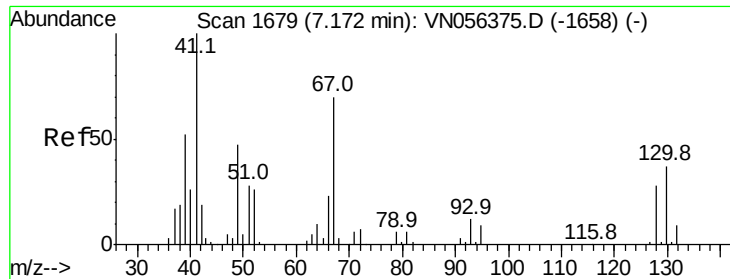


Abundance

Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





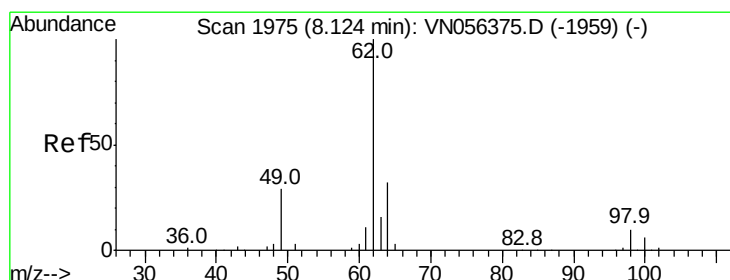
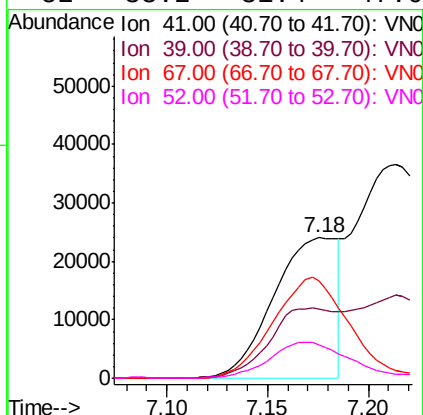
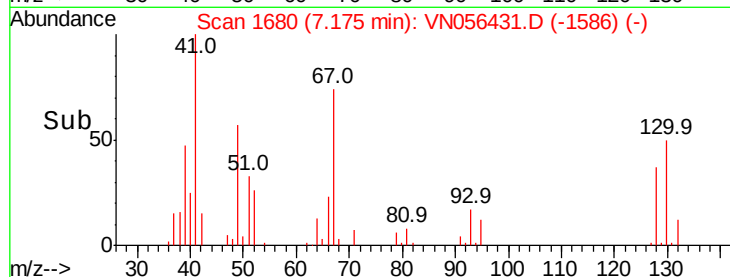
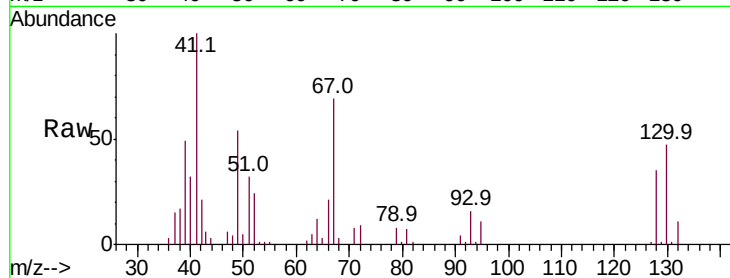
#41
Methacrylonitrile
Concen: 23.250 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN056431.D
Acq: 21 Jun 2019 17:13

Instrument :
MSVOA_N
ClientSampleId :
VN0621WBSD02

Tot Ion	Ratio	Lower	Upper
41	100		
39	51.6	55.3	82.9#
67	86.3	79.2	118.8
52	33.2	31.4	47.0

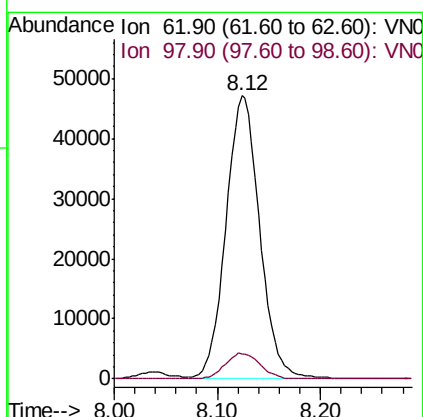
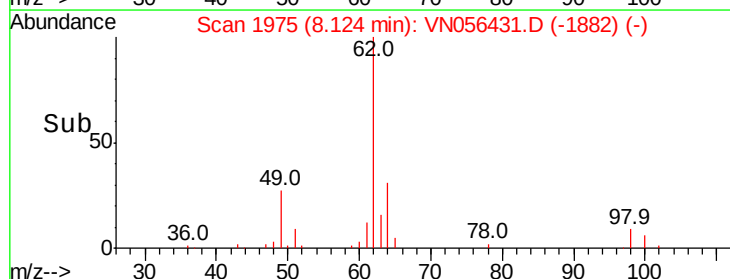
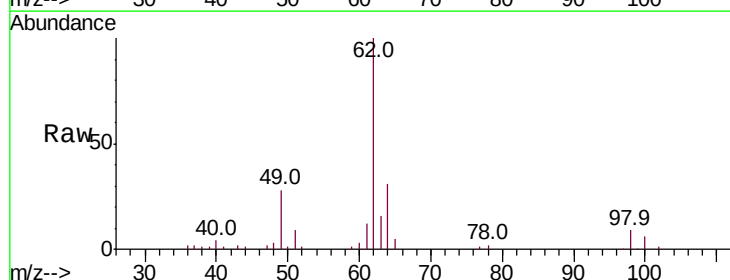
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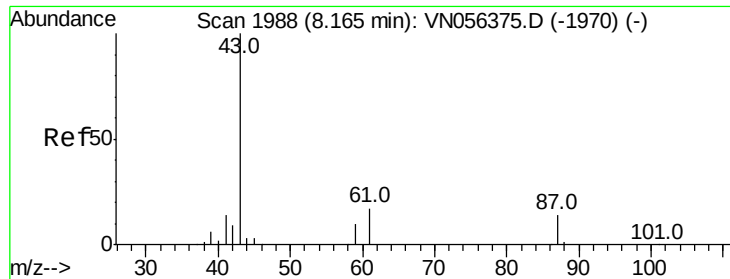
MMDadoda
6/24/2019 4:16:06 PM



#42
1,2-Dichloroethane
Concen: 20.234 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056431.D
Acq: 21 Jun 2019 17:13

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	19.4





#43

Isopropyl Acetate

Concen: 20.593 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056431.D

Acq: 21 Jun 2019 17:13

Instrument :

MSVOA_N

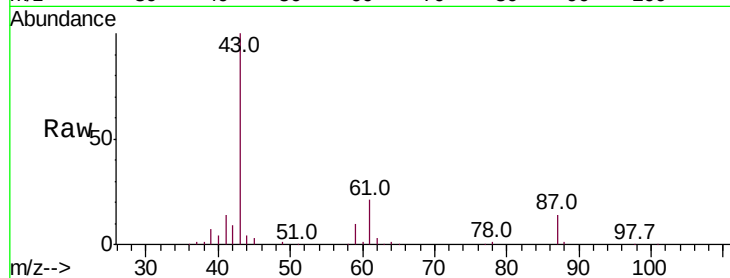
ClientSampleID :

VN0621WBSD02

Tot Ion:	43	Resp:	163223
Ion	Ratio	Lower	Upper
43	100		
61	21.2	22.0	33.0#
87	14.3	11.0	16.4

Manual Integrations
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MMDadoda
6/24/2019 4:16:06 PM



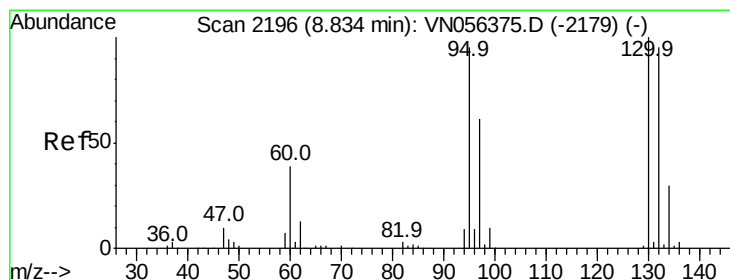
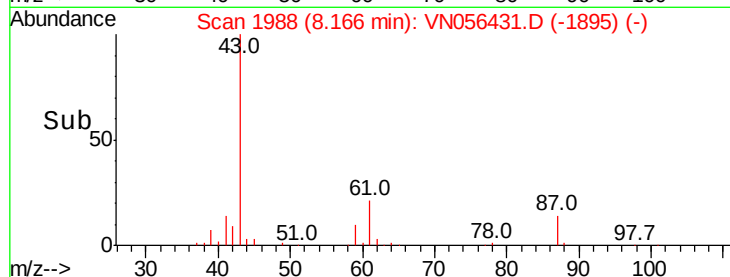
Abundance Ion 43.00 (42.70 to 43.70): VN056431.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN056431.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN056431.D (-1970) (-)

8.17

Time-->



#44

Trichloroethene

Concen: 19.943 ug/l

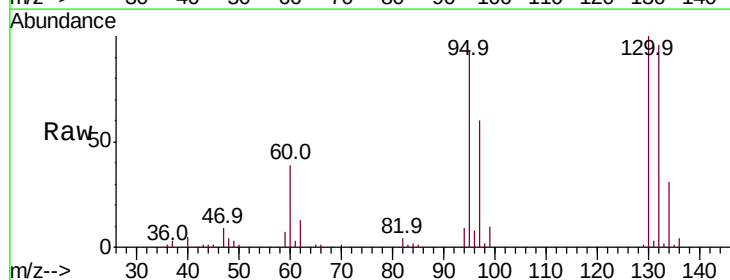
RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN056431.D

Acq: 21 Jun 2019 17:13

Tgt Ion:	130	Resp:	86433
Ion	Ratio	Lower	Upper
130	100		
95	93.2	0.0	191.0

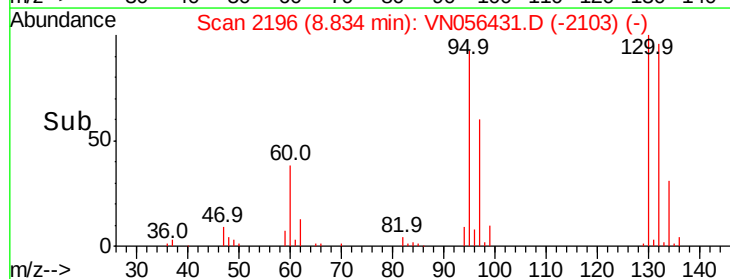


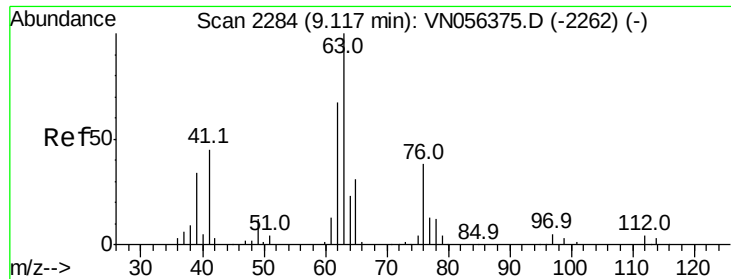
Abundance Ion 129.80 (129.50 to 130.50): VN056431.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN056431.D (-2103) (-)

8.83

Time-->





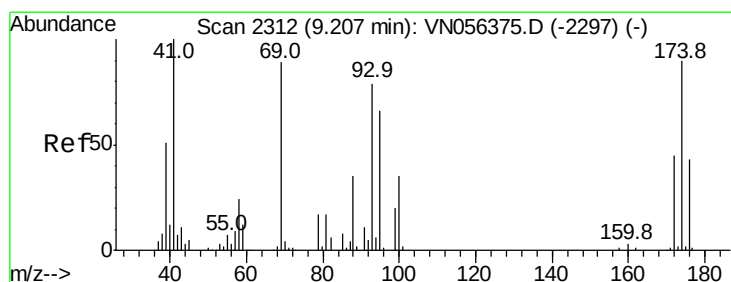
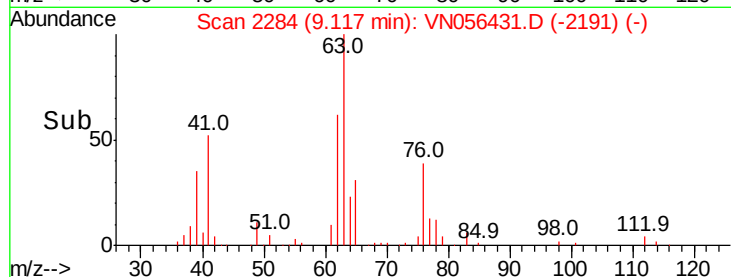
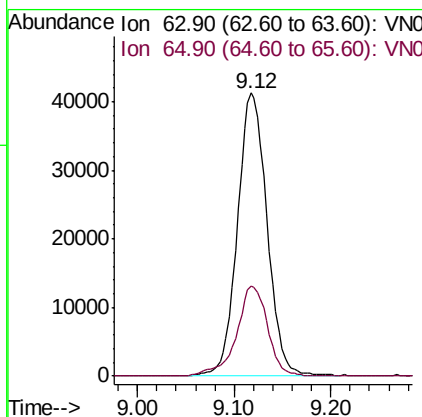
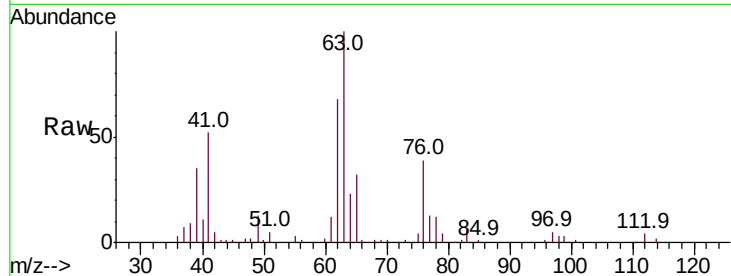
#45
 1,2-Dichloropropane
 Concen: 20.434 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056431.D
 Acq: 21 Jun 2019 17:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621WBSD02

Tot Ion: 63 Resp: 87922
 Ion Ratio Lower Upper
 63 100
 65 31.8 25.0 37.6

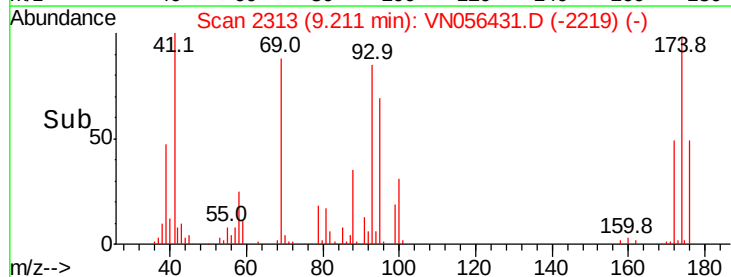
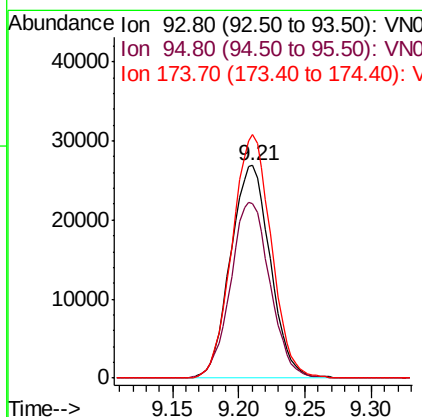
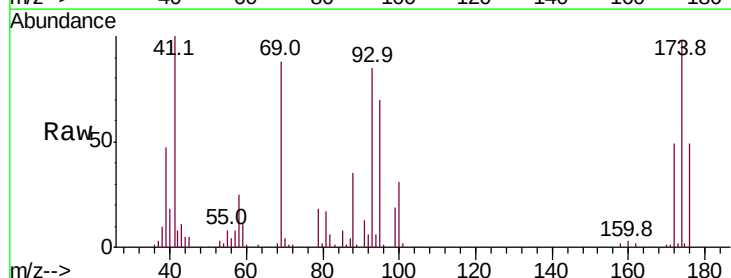
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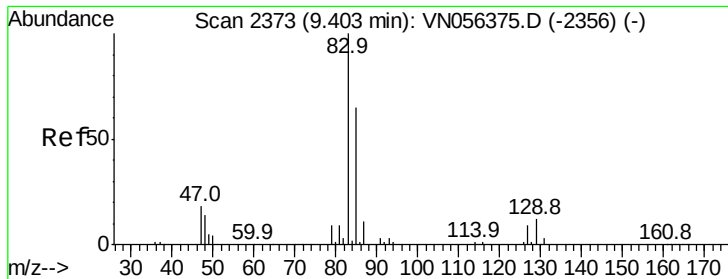
MMDadoda
 6/24/2019 4:16:06 PM



#46
 Dibromomethane
 Concen: 20.784 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN056431.D
 Acq: 21 Jun 2019 17:13

Tgt Ion: 93 Resp: 55949
 Ion Ratio Lower Upper
 93 100
 95 81.8 66.2 99.2
 174 112.8 90.8 136.2





#47

Bromodichloromethane

Concen: 19.879 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056431.D

Acq: 21 Jun 2019 17:13

Instrument :

MSVOA_N

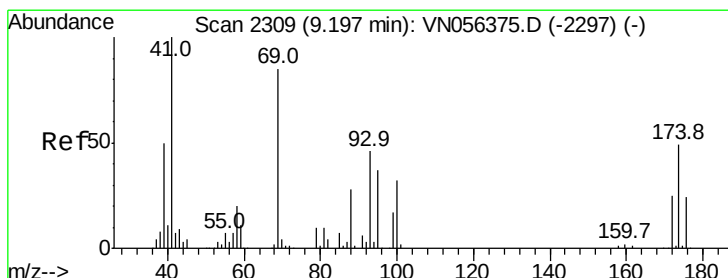
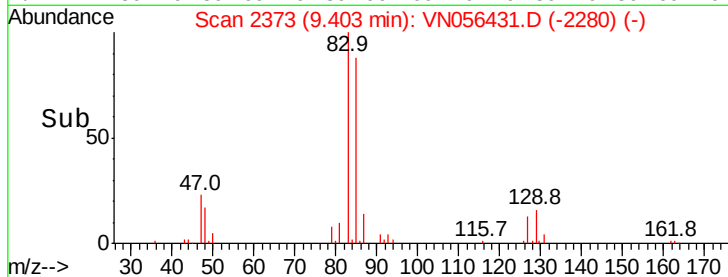
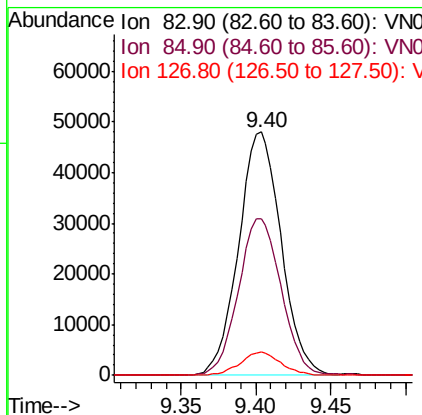
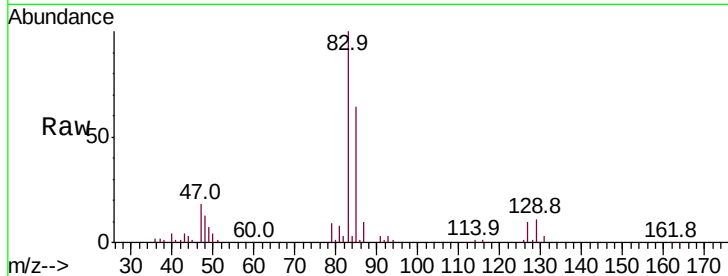
ClientSampleId :

VN0621WBSD02

Tot Ion:	83	Resp:	94911
Ion Ratio	Lower	Upper	
83	100		
85	64.5	52.2	78.4
127	9.6	7.3	10.9

Manual Integrations
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6/24/2019 4:16:06 PM



#48

Methyl methacrylate

Concen: 20.807 ug/l

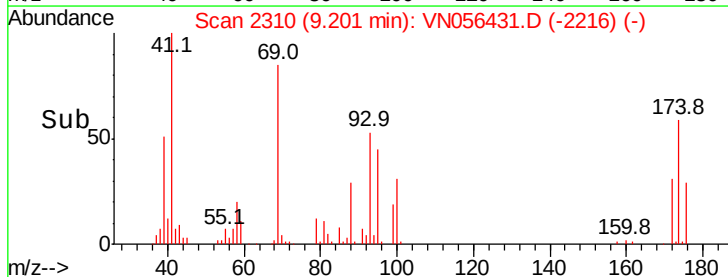
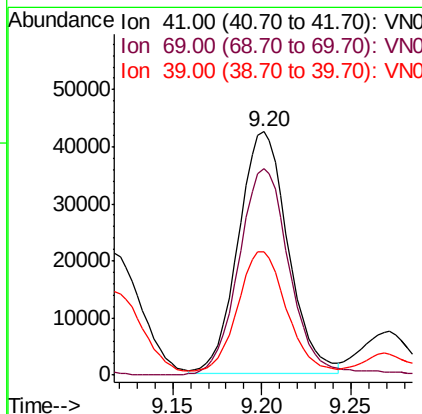
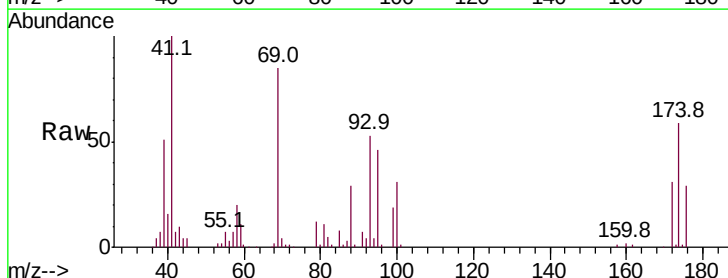
RT: 9.20 min Scan# 2310

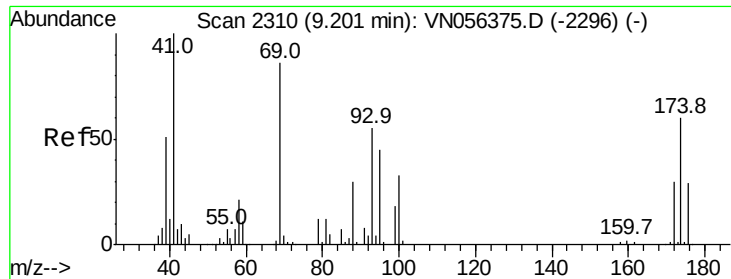
Delta R.T. 0.00 min

Lab File: VN056431.D

Acq: 21 Jun 2019 17:13

Tgt Ion:	41	Resp:	82642
Ion Ratio	Lower	Upper	
41	100		
69	86.5	72.6	109.0
39	50.6	42.6	63.8





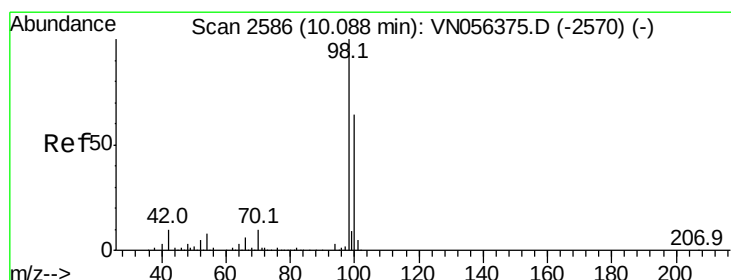
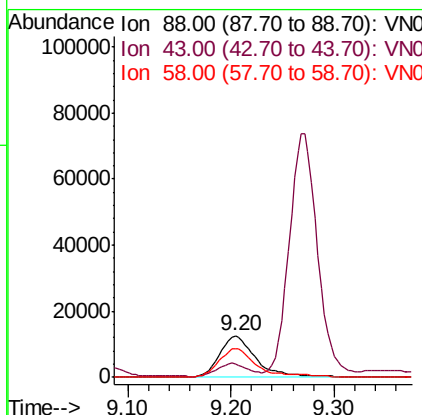
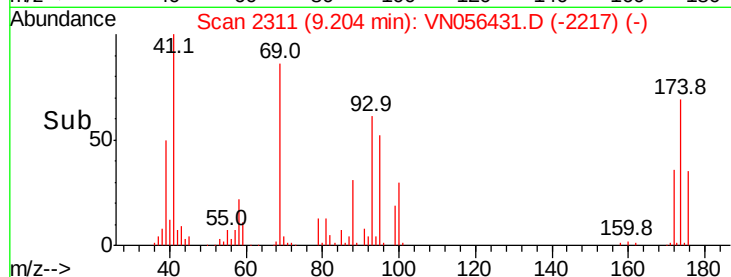
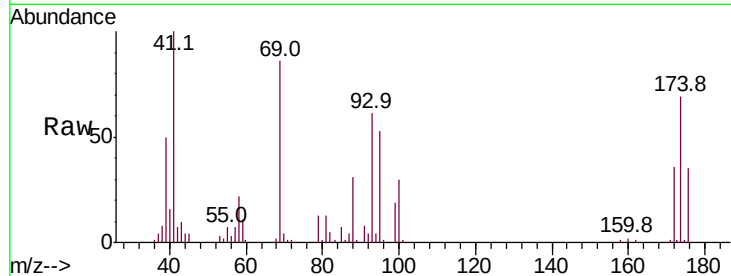
#49
1,4-Dioxane
Concen: 375.528 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN056431.D
Acq: 21 Jun 2019 17:13

Instrument :
MSVOA_N
ClientSampleId :
VN0621WBSD02

Tot Ion	88	Resp	30953
Ion	Ratio	Lower	Upper
88	100		
43	26.5	22.0	33.0
58	73.4	51.8	77.8

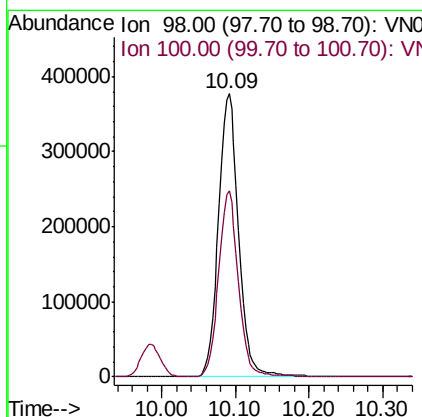
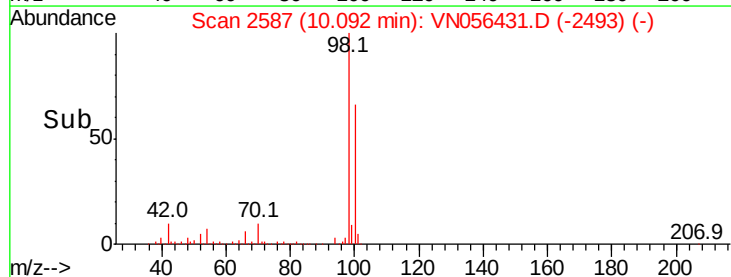
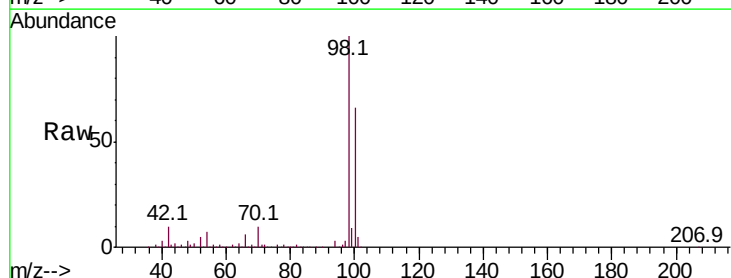
Manual Integrations
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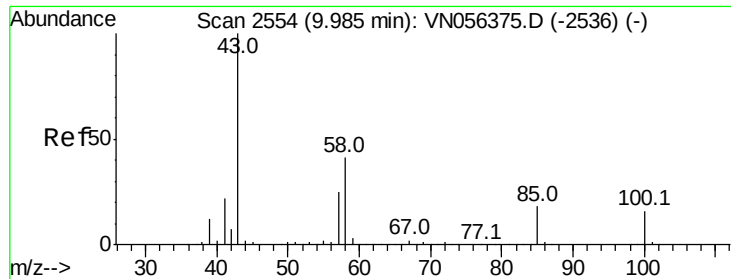
MMDadoda
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#50
Toluene-d8
Concen: 49.573 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN056431.D
Acq: 21 Jun 2019 17:13

Tgt Ion	98	Resp	715075
Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 103.290 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056431.D

Acq: 21 Jun 2019 17:13

Instrument :

MSVOA_N

ClientSampleId :

VN0621WBSD02

Tot Ion: 43 Resp: 528404

Ion Ratio Lower Upper

43 100

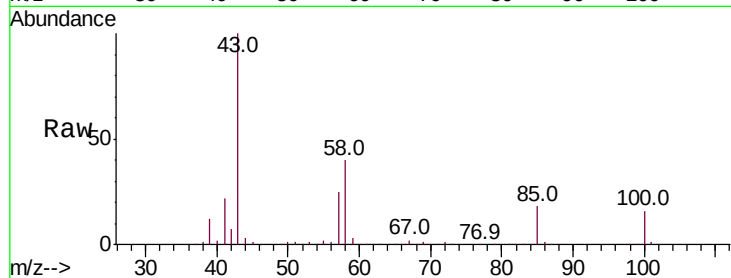
58 39.9 31.8 47.8

Manual Integrations

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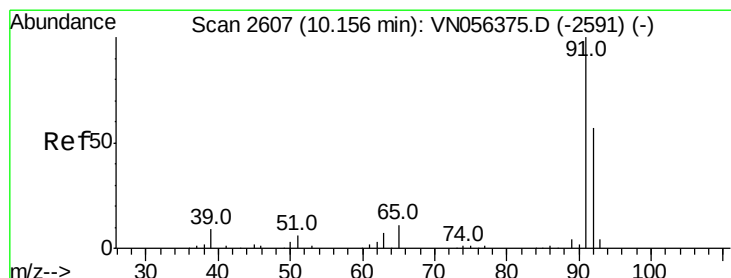
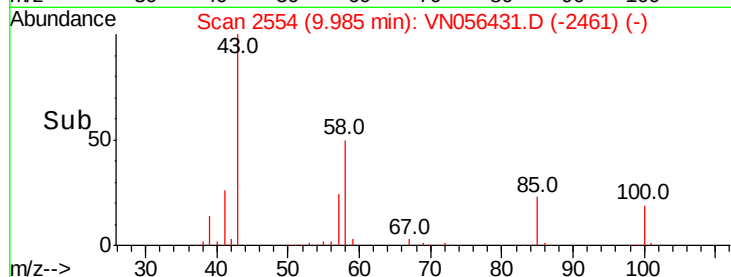
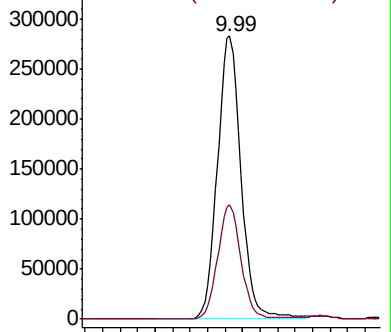
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.176 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056431.D

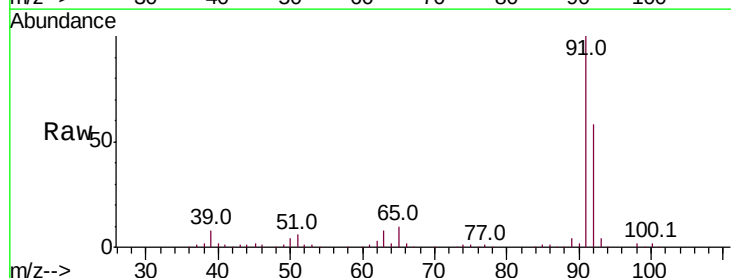
Acq: 21 Jun 2019 17:13

Tgt Ion: 92 Resp: 198461

Ion Ratio Lower Upper

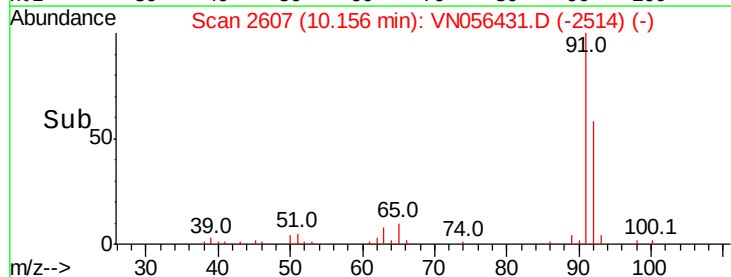
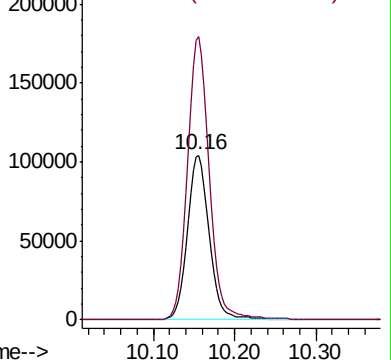
92 100

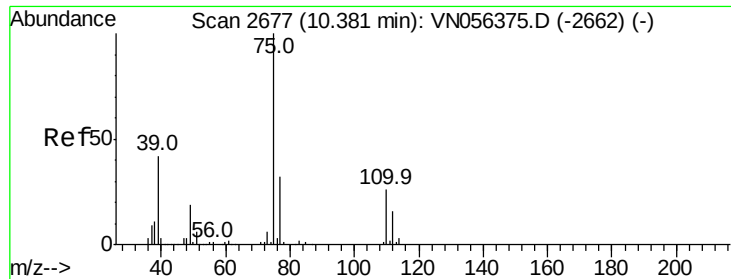
91 172.5 140.6 211.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





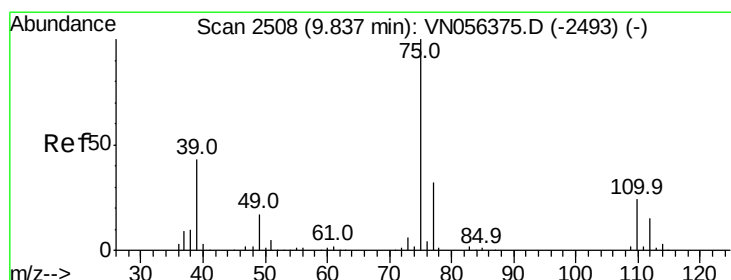
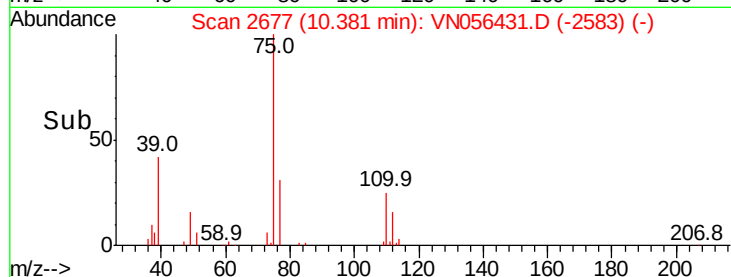
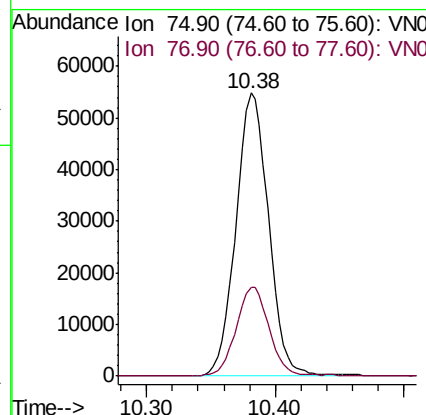
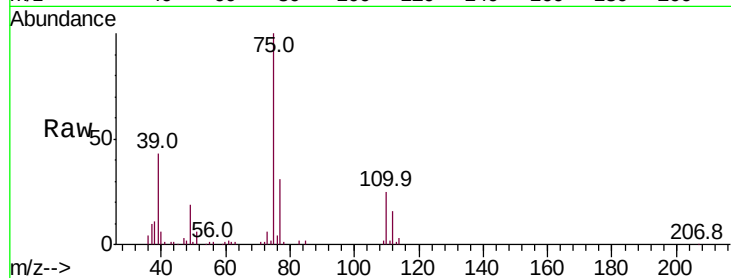
#53
 t-1,3-Dichloropropene
 Concen: 19.233 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN056431.D
 Acq: 21 Jun 2019 17:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621WBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.4	38.2

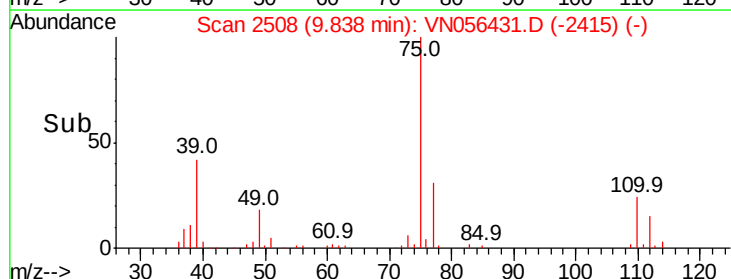
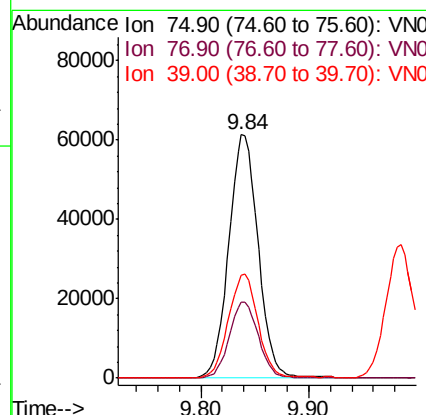
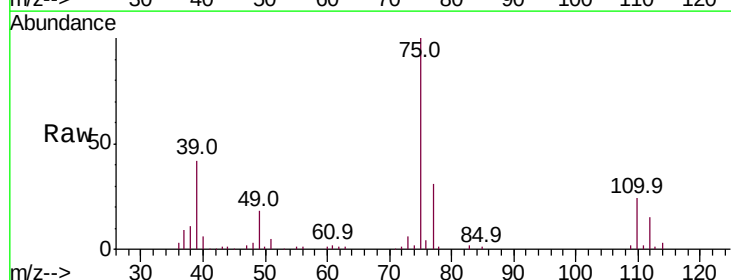
Manual Integrations
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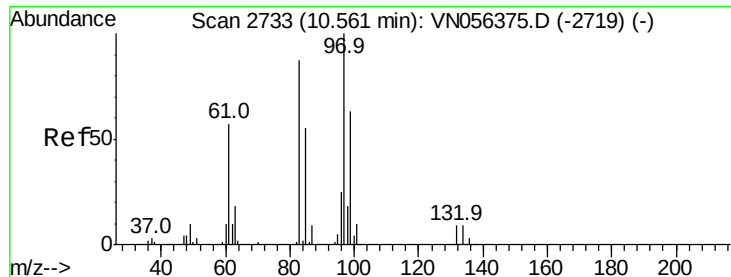
MMDadoda
 6/24/2019 4:16:06 PM



#54
 cis-1,3-Dichloropropene
 Concen: 20.239 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. 0.00 min
 Lab File: VN056431.D
 Acq: 21 Jun 2019 17:13

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.2	37.8
39	42.4	34.2	51.4





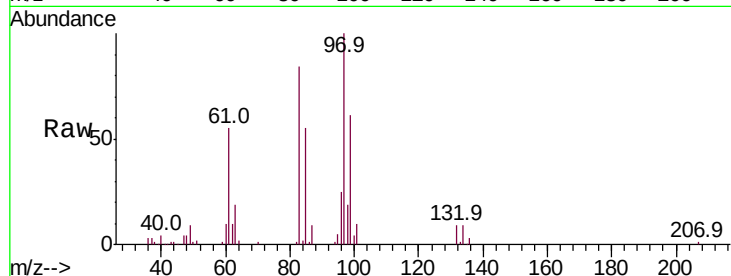
#55
 1,1,2-Trichloroethane
 Concen: 20.749 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056431.D
 Acq: 21 Jun 2019 17:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621WBSD02

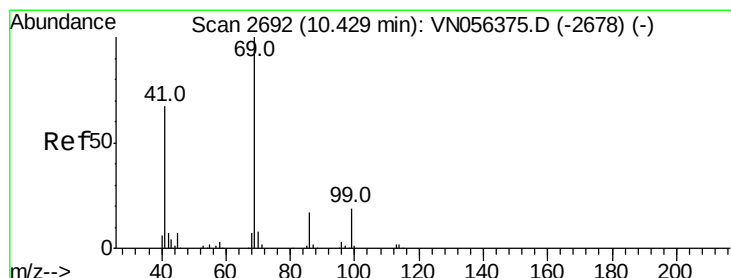
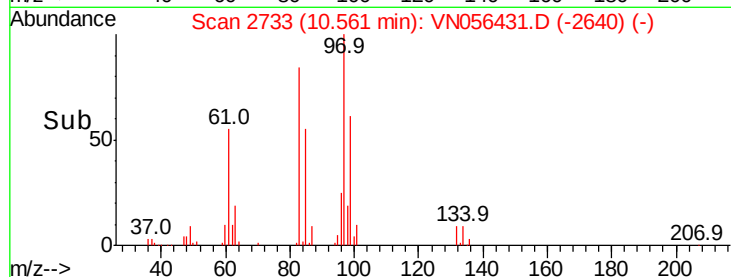
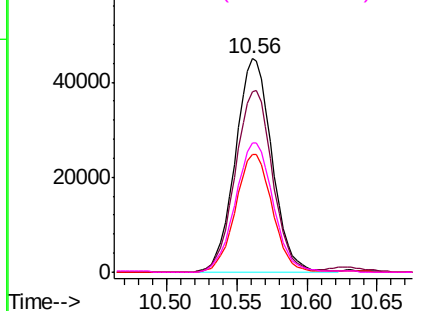
Tot Ion:	97	Resp:	82036
Ion	Ratio	Lower	Upper
97	100		
83	84.4	69.8	104.6
85	55.4	43.8	65.8
99	60.8	50.2	75.2

Manual Integrations
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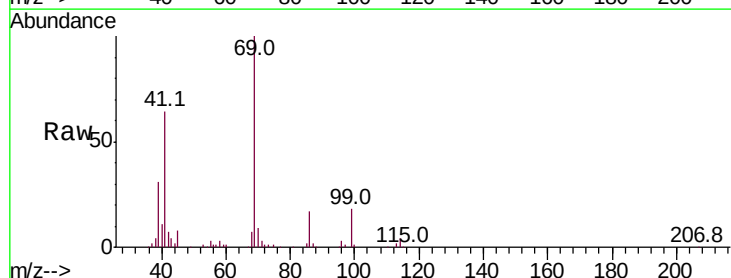


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

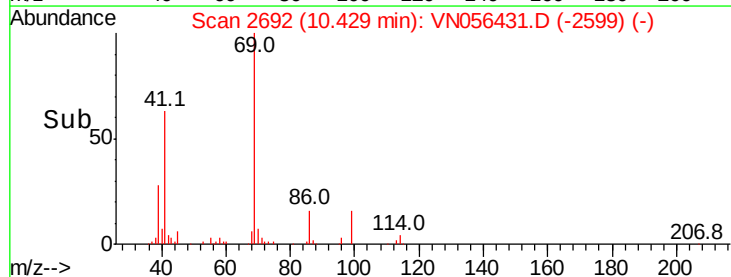
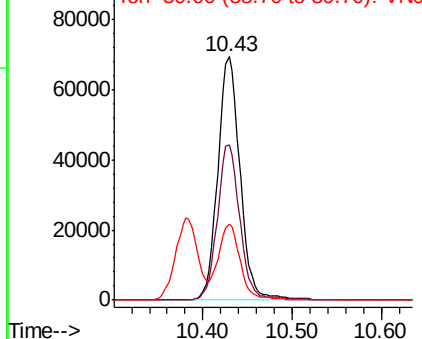


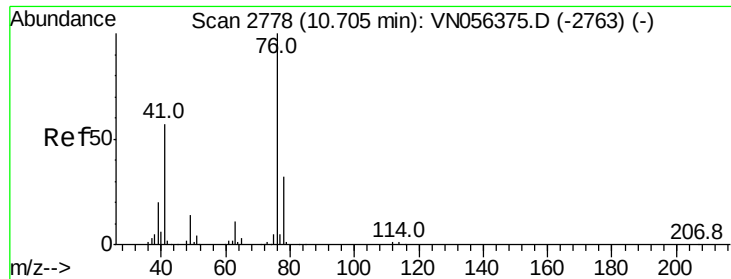
#56
 Ethyl methacrylate
 Concen: 20.806 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN056431.D
 Acq: 21 Jun 2019 17:13

Tgt Ion:	69	Resp:	120222
Ion	Ratio	Lower	Upper
69	100		
41	63.0	51.4	77.2
39	30.1	24.7	37.1



Abundance Ion 69.00 (68.70 to 69.70): VN0
 Ion 41.00 (40.70 to 41.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 20.470 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN056431.D

Acq: 21 Jun 2019 17:13

Instrument :

MSVOA_N

ClientSampleId :

VN0621WBSD02

Tot Ion: 76 Resp: 135964

Ion Ratio Lower Upper

76 100

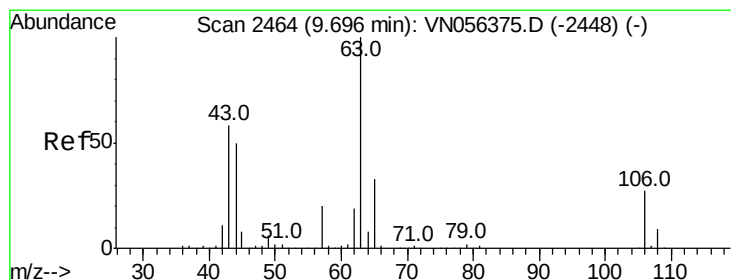
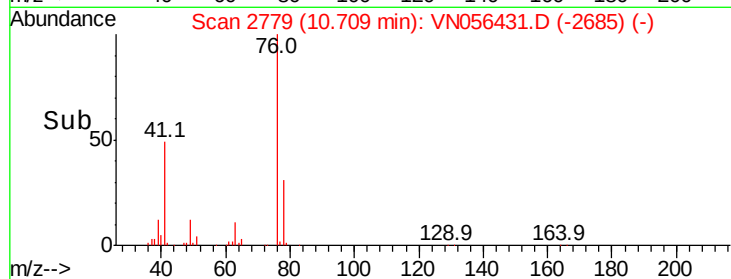
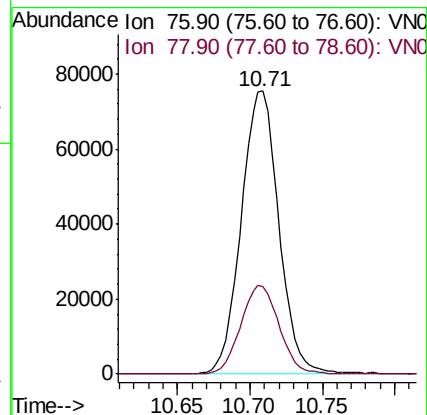
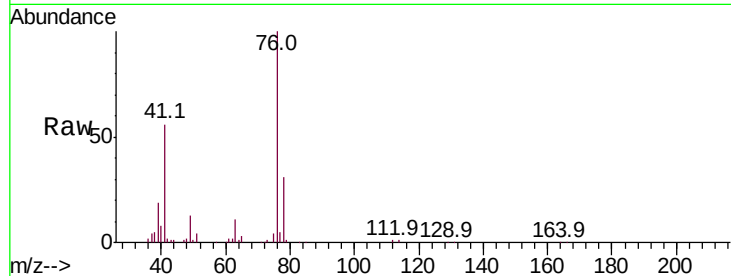
78 32.1 25.9 38.9

Manual Integrations

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6/24/2019 4:16:06 PM



#58

2-Chloroethyl Vinyl ether

Concen: 96.405 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN056431.D

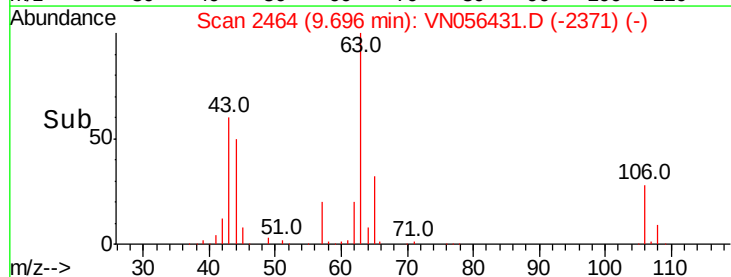
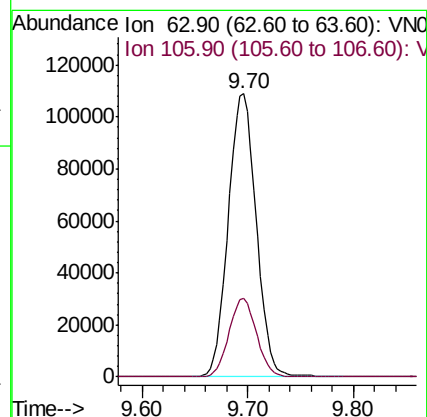
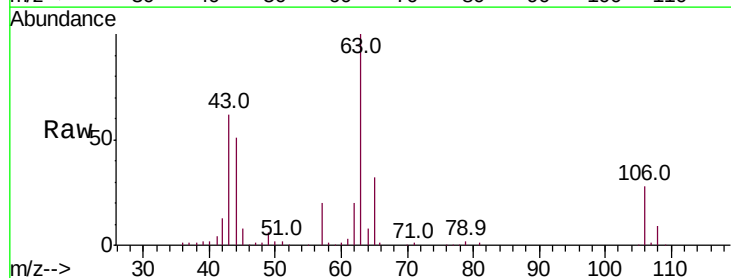
Acq: 21 Jun 2019 17:13

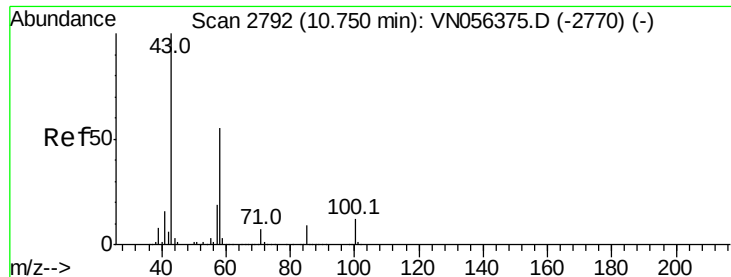
Tgt Ion: 63 Resp: 200120

Ion Ratio Lower Upper

63 100

106 27.2 21.6 32.4





#59

2-Hexanone

Concen: 98.998 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN056431.D

Acq: 21 Jun 2019 17:13

Instrument :

MSVOA_N

ClientSampleId :

VN0621WBSD02

Tot Ion: 43 Resp: 372223

Ion Ratio Lower Upper

43 100

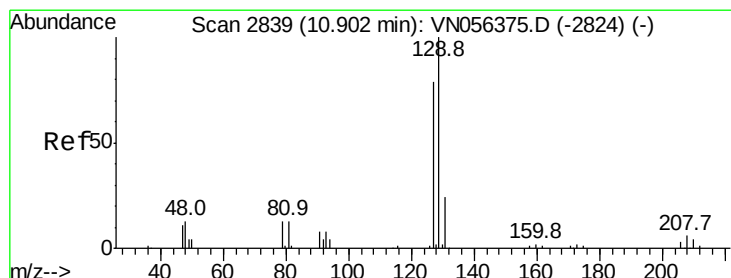
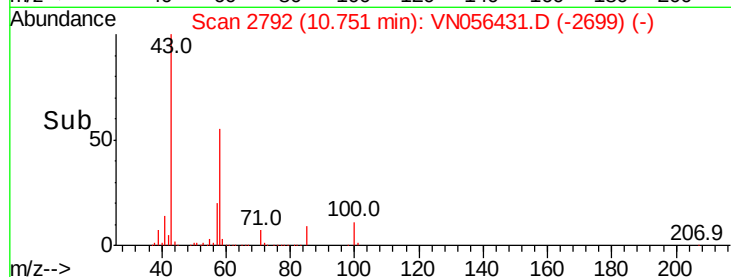
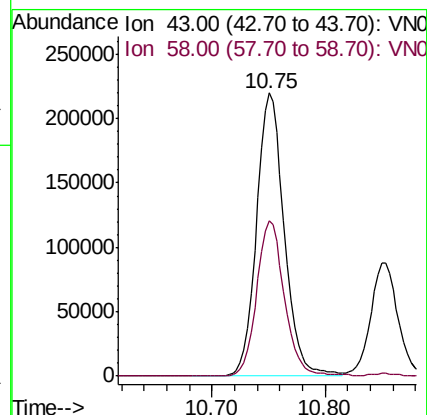
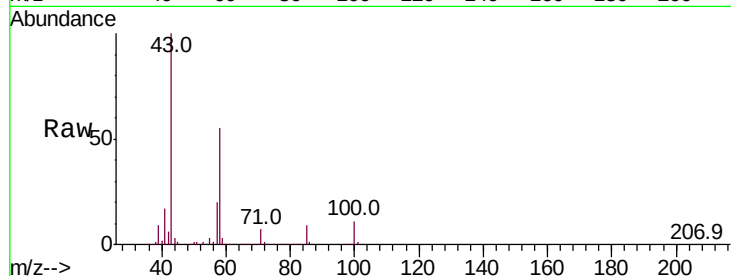
58 55.3 27.8 83.4

Manual Integrations

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#60

Dibromochloromethane

Concen: 19.151 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN056431.D

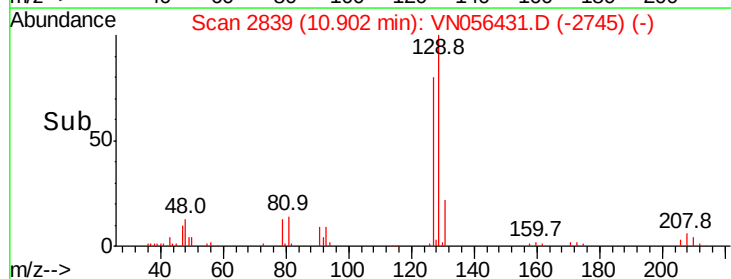
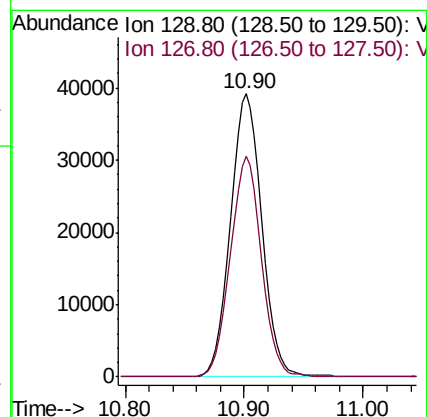
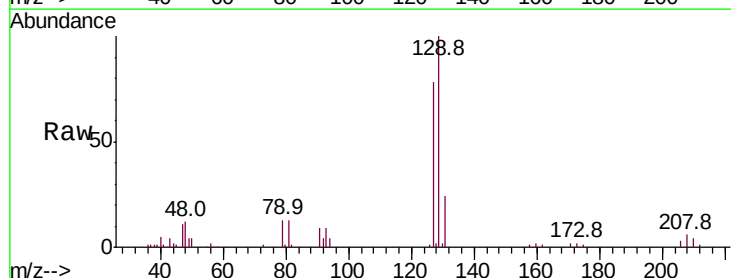
Acq: 21 Jun 2019 17:13

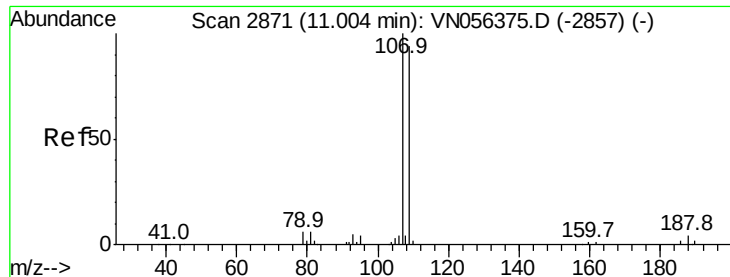
Tgt Ion: 129 Resp: 71558

Ion Ratio Lower Upper

129 100

127 76.8 38.9 116.7





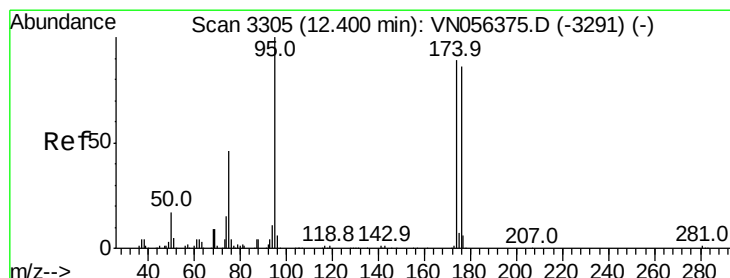
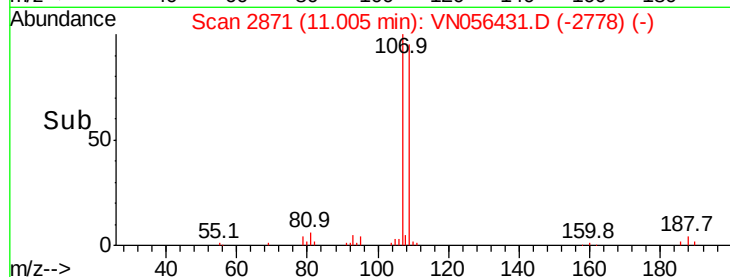
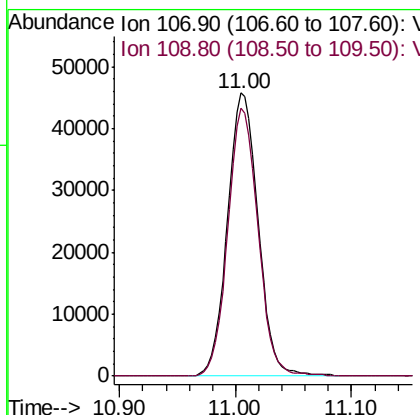
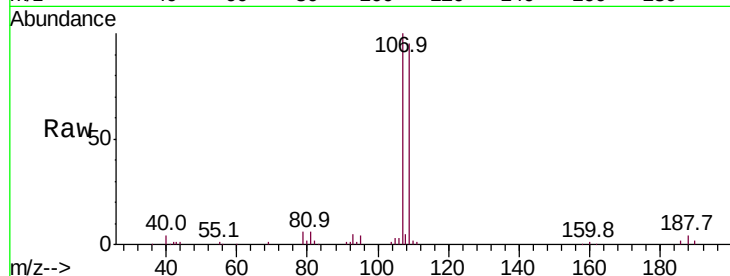
#61
 1,2-Dibromoethane
 Concen: 20.723 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN056431.D
 Acq: 21 Jun 2019 17:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621WBSD02

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.3	75.3	112.9

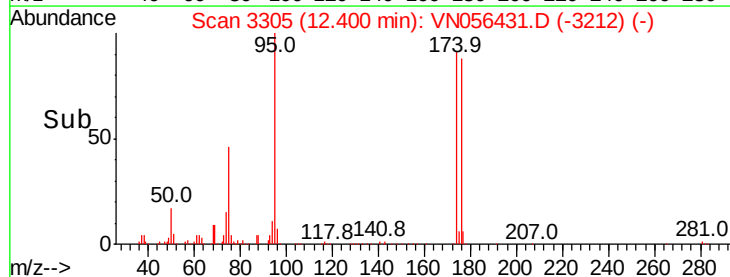
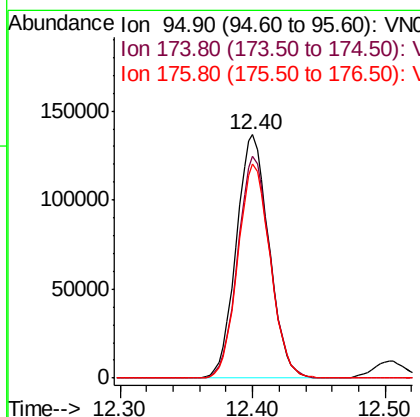
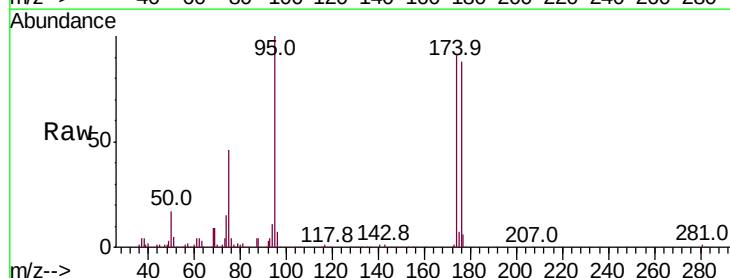
Manual Integrations
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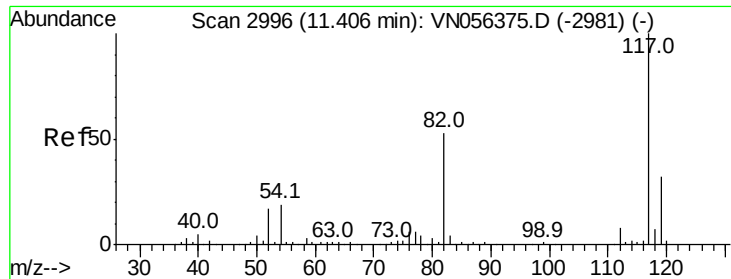
MMDadoda
 6/24/2019 4:16:06 PM



#62
 4-Bromofluorobenzene
 Concen: 48.627 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN056431.D
 Acq: 21 Jun 2019 17:13

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.2	0.0	179.4
176	87.4	0.0	173.4





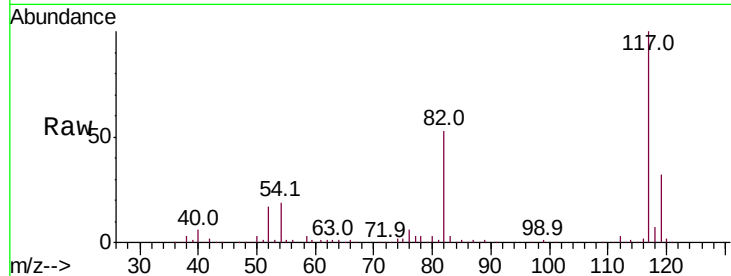
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056431.D
Acq: 21 Jun 2019 17:13

Instrument :
MSVOA_N
ClientSampleId :
VN0621WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.5	42.0	63.0
119	32.1	25.3	37.9

Manual Integrations
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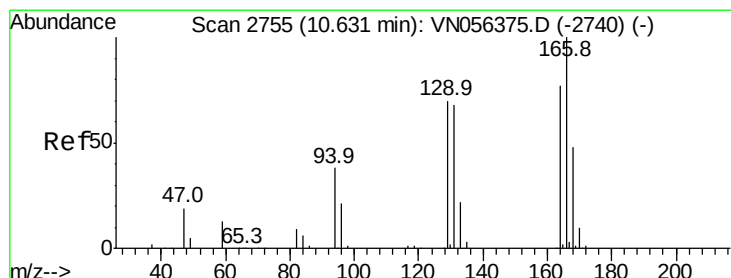
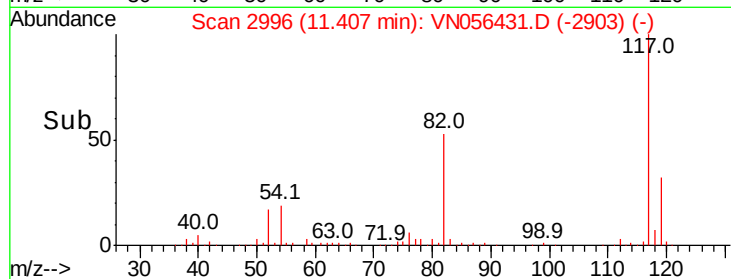
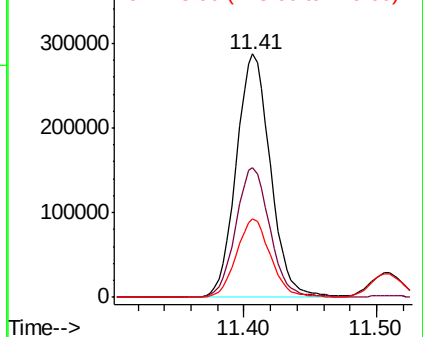


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 21.073 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056431.D
Acq: 21 Jun 2019 17:13

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.7	103.4	155.0
129	88.5	72.0	108.0
131	85.9	70.2	105.2

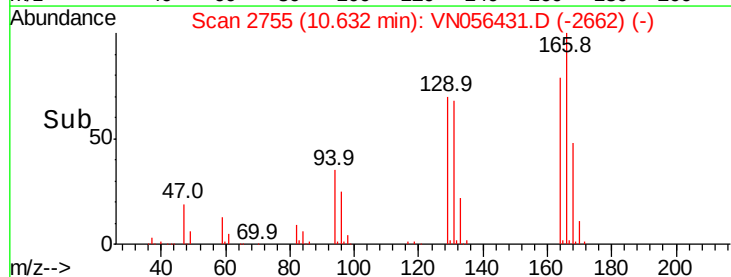
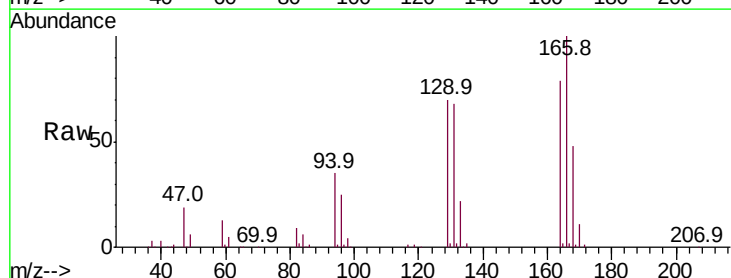
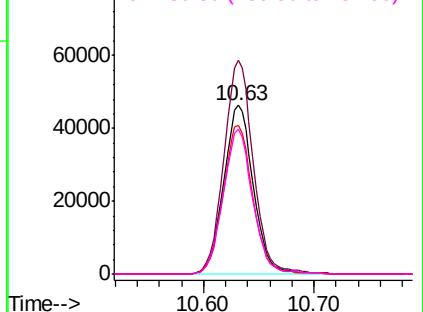
Abundance

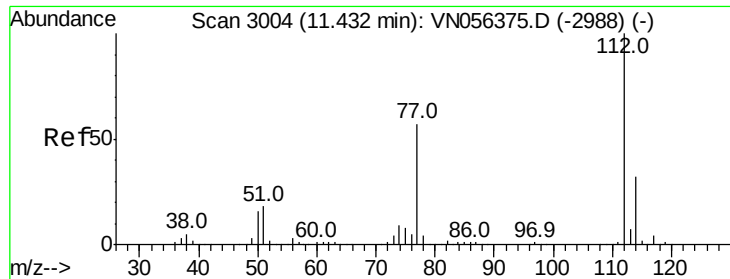
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





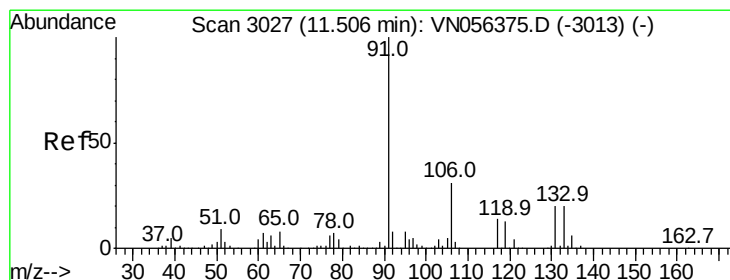
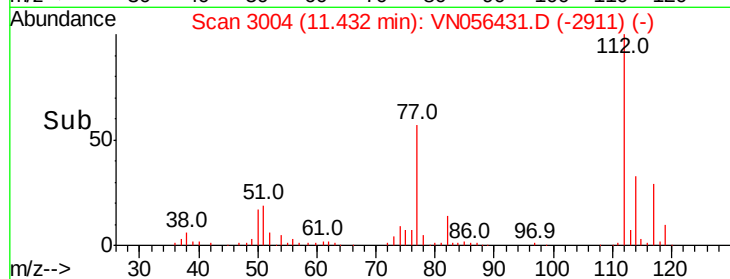
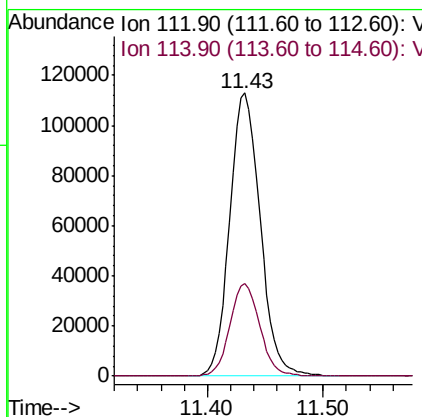
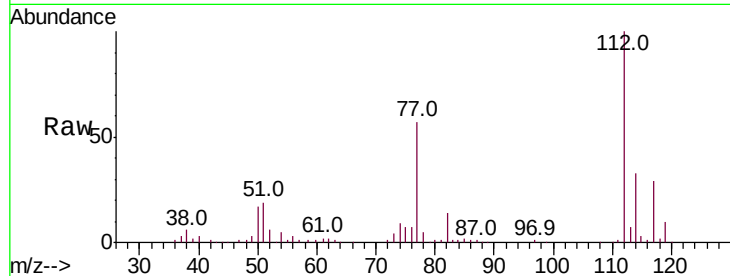
#65
Chlorobenzene
Concen: 19.943 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056431.D
Acq: 21 Jun 2019 17:13

Instrument :
MSVOA_N
ClientSampleId :
VN0621WBSD02

Tot Ion:112 Resp: 206066
Ion Ratio Lower Upper
112 100
114 32.8 25.4 38.2

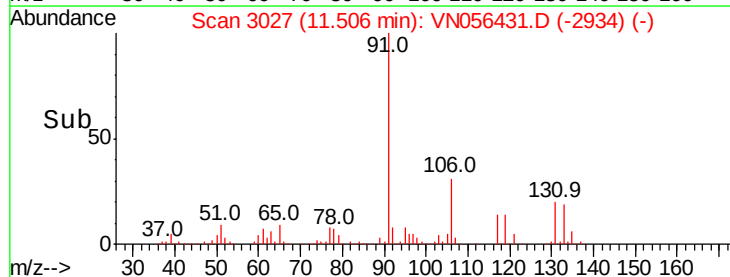
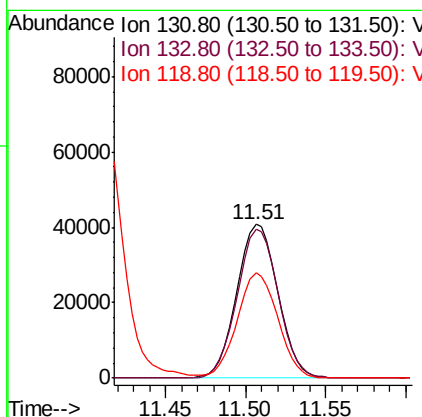
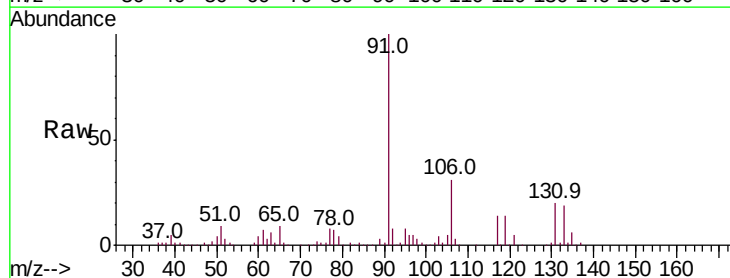
Manual Integrations
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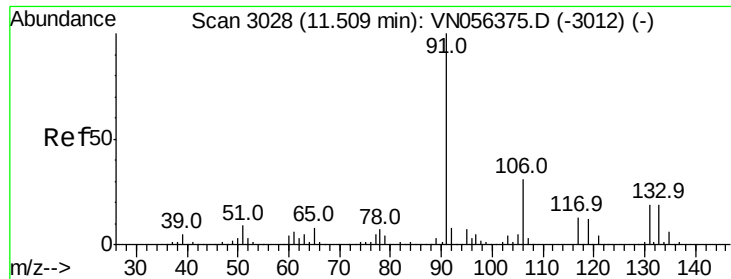
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.446 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN056431.D
Acq: 21 Jun 2019 17:13

Tgt Ion:131 Resp: 71400
Ion Ratio Lower Upper
131 100
133 97.1 47.4 142.2
119 68.2 32.8 98.4





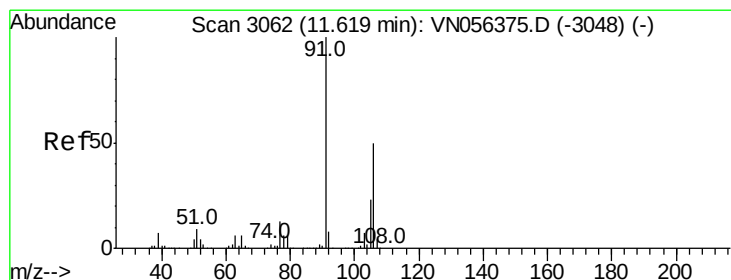
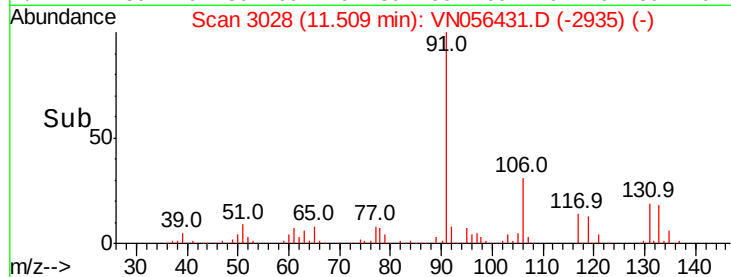
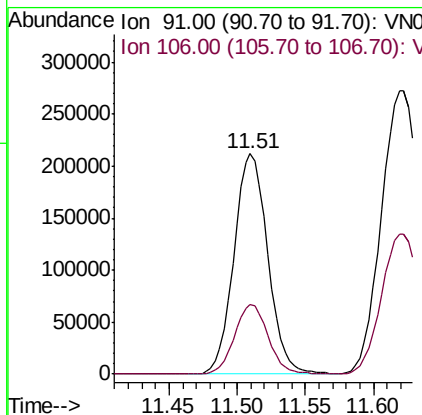
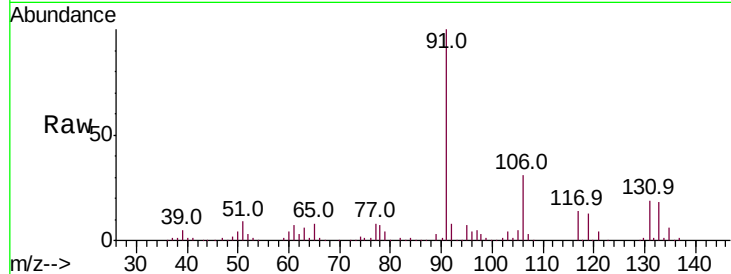
#67
Ethyl Benzene
Concen: 20.135 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056431.D
Acq: 21 Jun 2019 17:13

Instrument :
MSVOA_N
ClientSampleId :
VN0621WBSD02

Tot Ion: 91 Resp: 365296
Ion Ratio Lower Upper
91 100
106 31.5 25.1 37.7

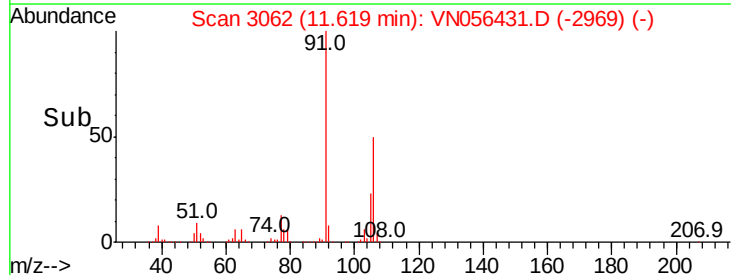
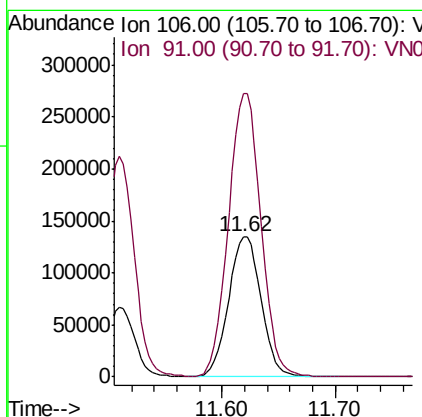
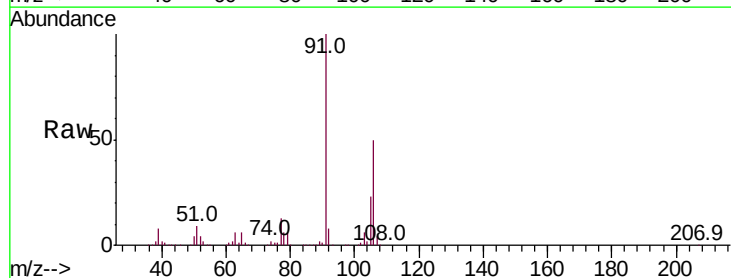
Manual Integrations
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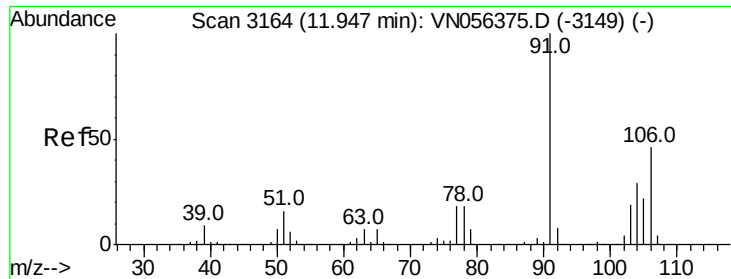
MMDadoda
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#68
m/p-Xylenes
Concen: 40.622 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056431.D
Acq: 21 Jun 2019 17:13

Tgt Ion: 106 Resp: 270090
Ion Ratio Lower Upper
106 100
91 202.0 160.1 240.1





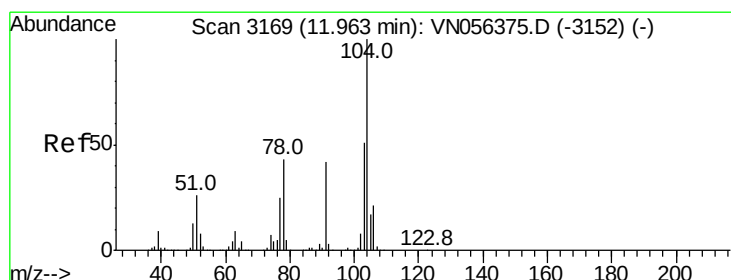
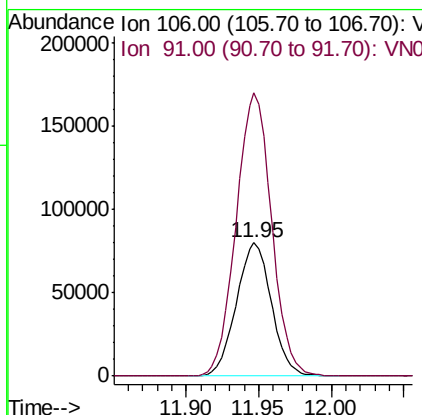
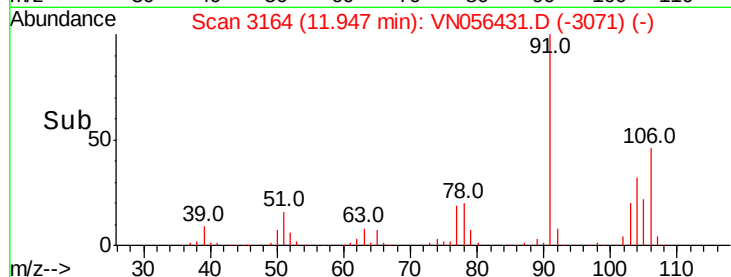
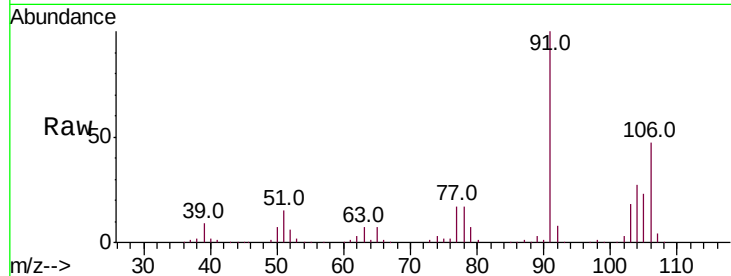
#69
o-Xylene
Concen: 20.444 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056431.D
Acq: 21 Jun 2019 17:13

Instrument :
MSVOA_N
ClientSampleId :
VN0621WBSD02

Tot Ion:106 Resp: 134482
Ion Ratio Lower Upper
106 100
91 214.3 107.1 321.3

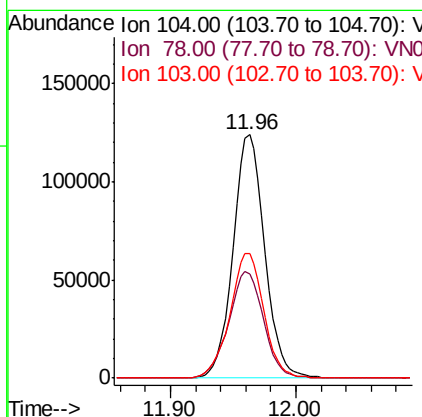
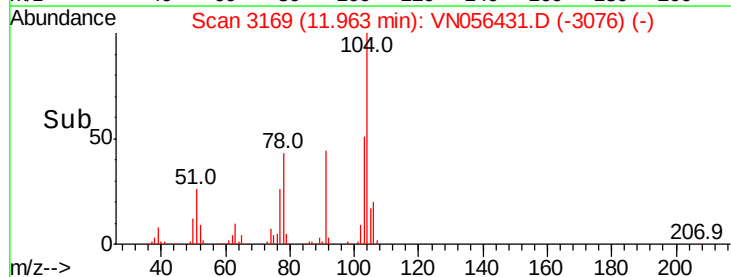
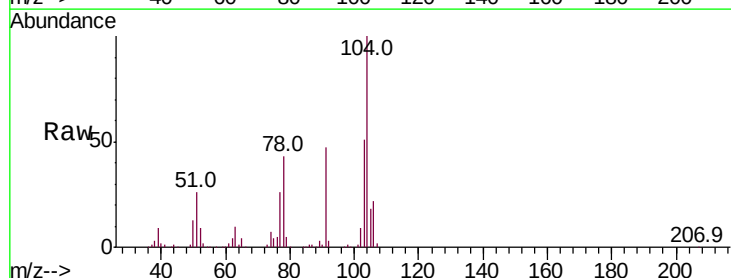
Manual Integrations
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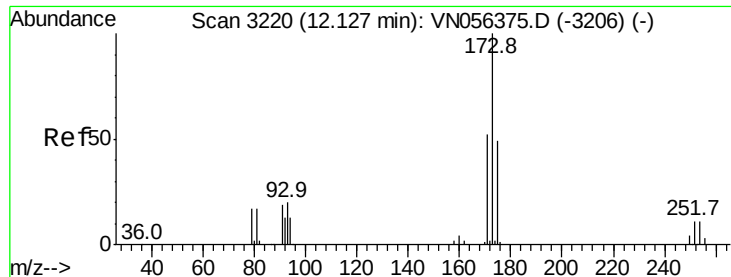
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#70
Styrene
Concen: 20.654 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056431.D
Acq: 21 Jun 2019 17:13

Tgt Ion:104 Resp: 217163
Ion Ratio Lower Upper
104 100
78 48.1 38.6 57.8
103 54.7 43.9 65.9





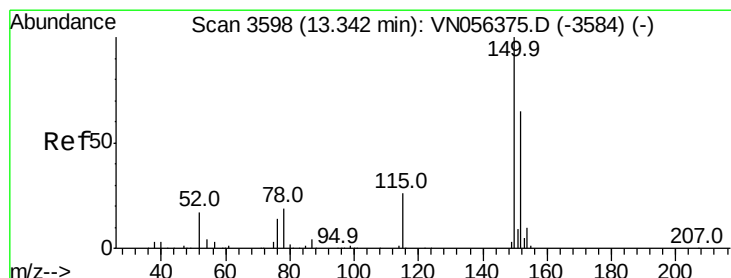
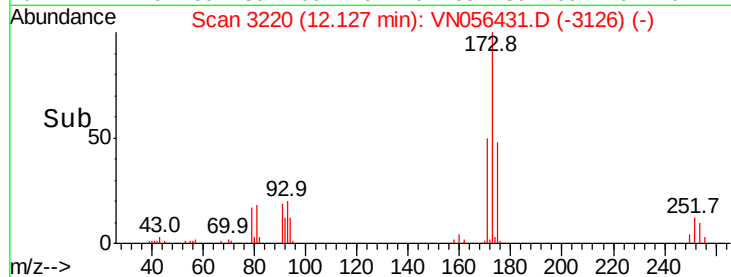
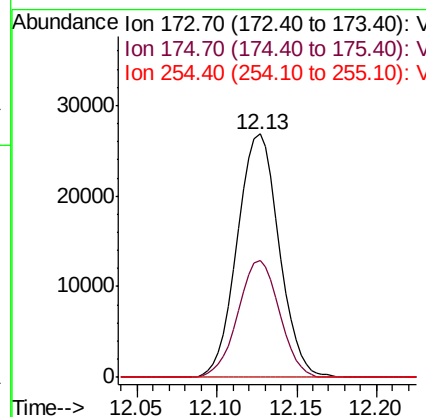
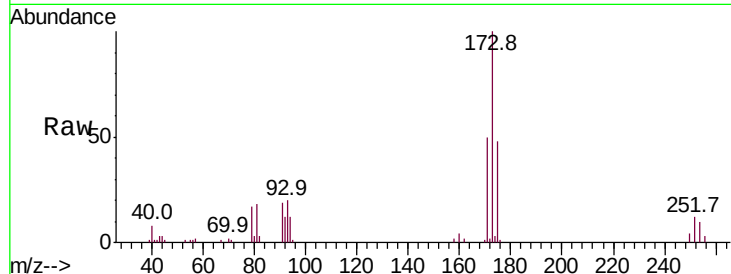
#71
Bromoform
Concen: 19.061 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056431.D
Acq: 21 Jun 2019 17:13

Instrument :
MSVOA_N
ClientSampleId :
VN0621WBSD02

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.6	24.4	73.4
254	0.0	0.0	0.0

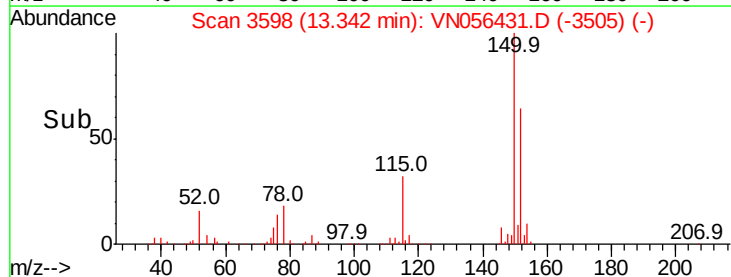
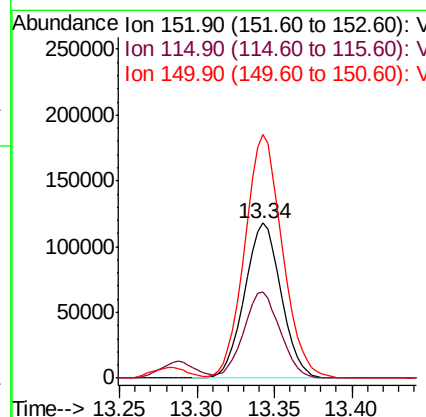
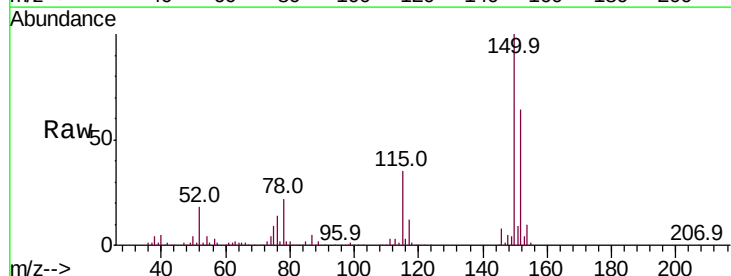
Manual Integrations
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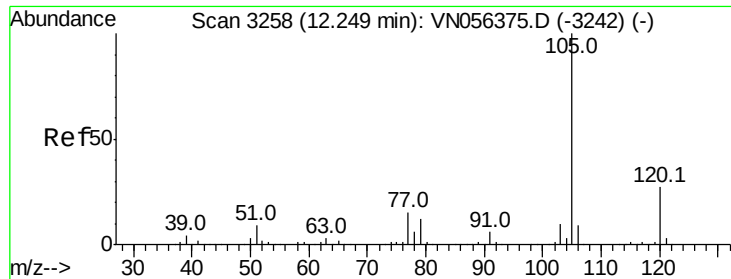
MMDadoda
6/24/2019 4:16:06 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056431.D
Acq: 21 Jun 2019 17:13

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.4	28.1	84.4
150	161.8	0.0	348.4





#73

Isopropylbenzene

Concen: 22.989 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056431.D

Acq: 21 Jun 2019 17:13

Instrument :

MSVOA_N

ClientSampleID :

VN0621WBSD02

Tot Ion: 105 Resp: 356342

Ion Ratio Lower Upper

105 100

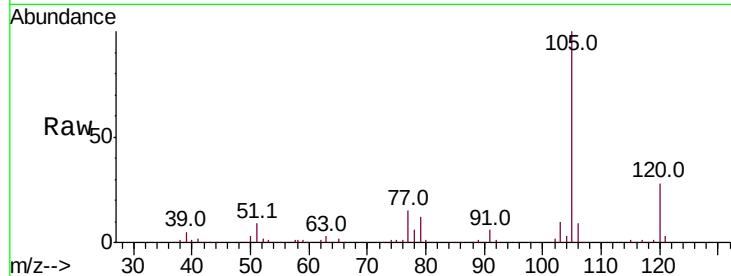
120 27.2 13.4 40.2

Manual Integrations

APPROVED

MMDadoda

6/24/2019 4:16:06 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

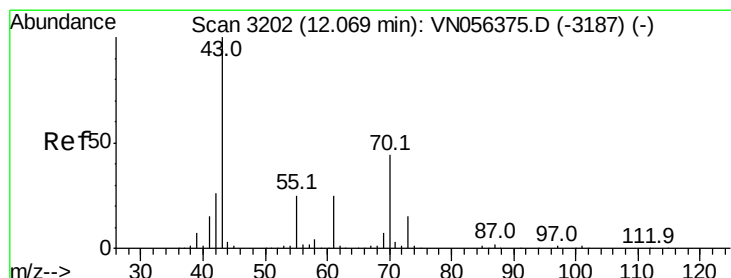
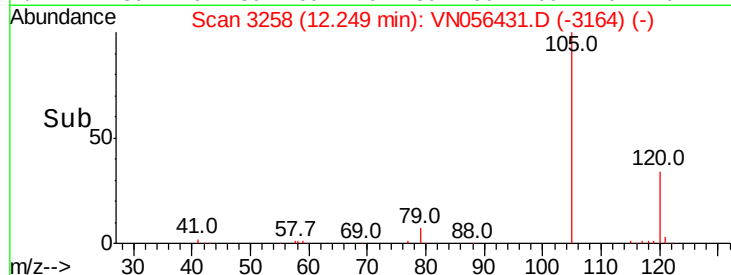
100000

50000

0

12.15 12.20 12.25 12.30

Time-->



#74

N-ethyl acetate

Concen: 20.843 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056431.D

Acq: 21 Jun 2019 17:13

Tgt Ion: 43 Resp: 128760

Ion Ratio Lower Upper

43 100

70 43.9 34.9 52.3

55 25.9 20.4 30.6

61 24.6 19.8 29.8

Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

120000

100000

80000

60000

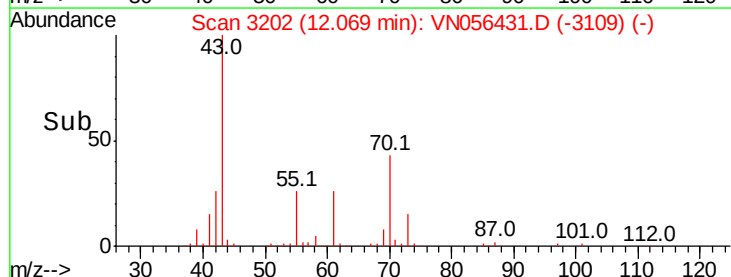
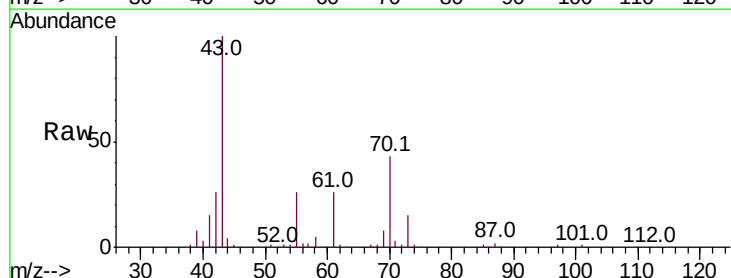
40000

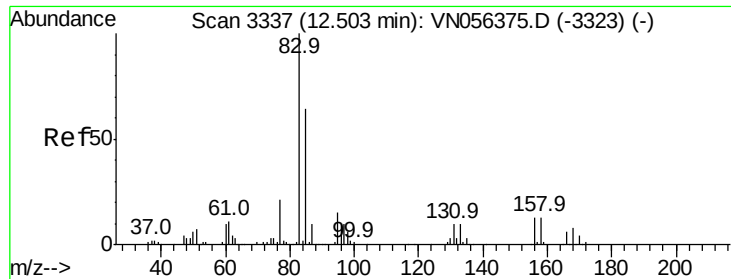
20000

0

12.00 12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 23.371 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056431.D

Acq: 21 Jun 2019 17:13

Instrument :

MSVOA_N

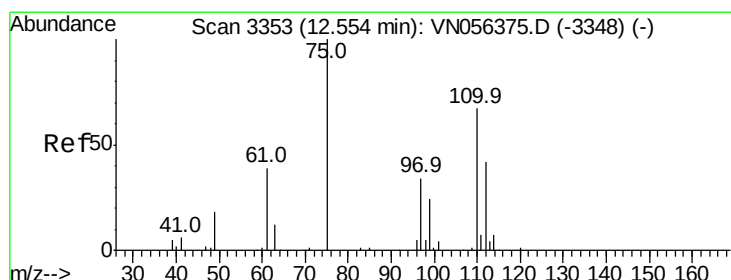
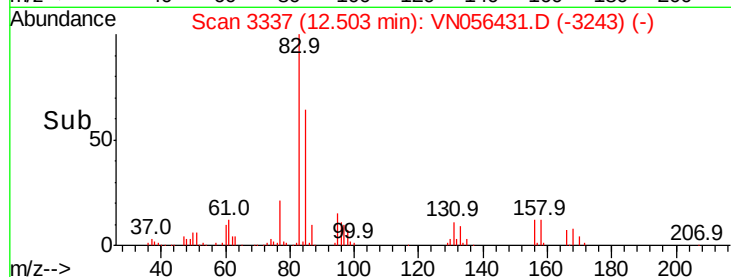
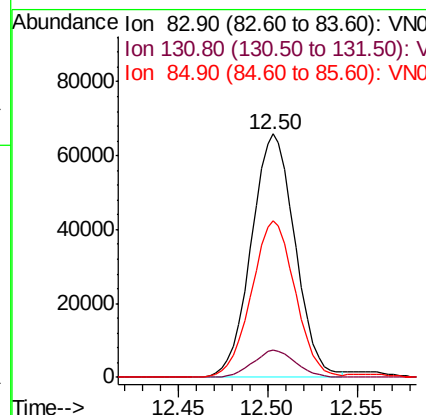
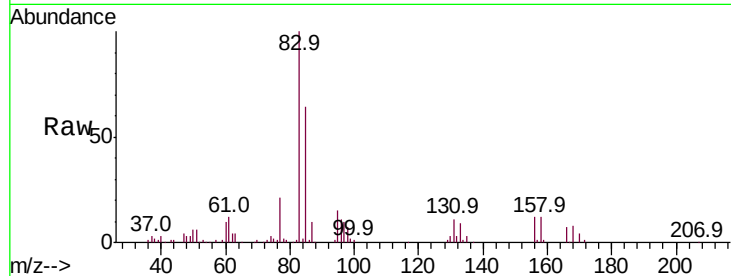
ClientSampleId :

VN0621WBSD02

Tot Ion:	83	Resp:	112877
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.3	15.8
85	64.3	32.4	97.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 23.913 ug/l m

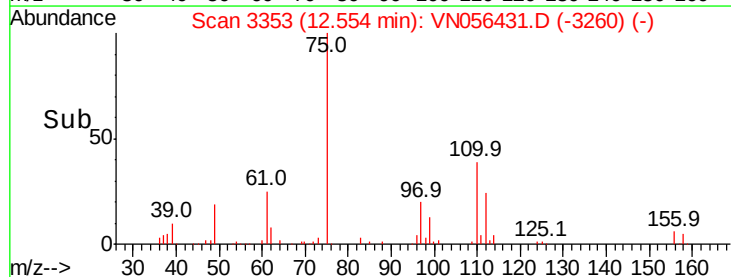
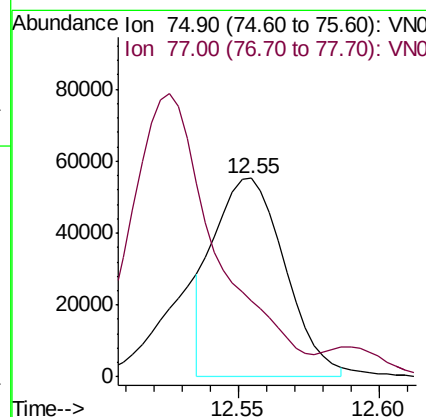
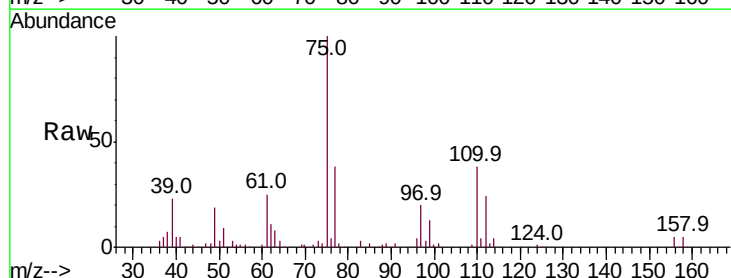
RT: 12.55 min Scan# 3353

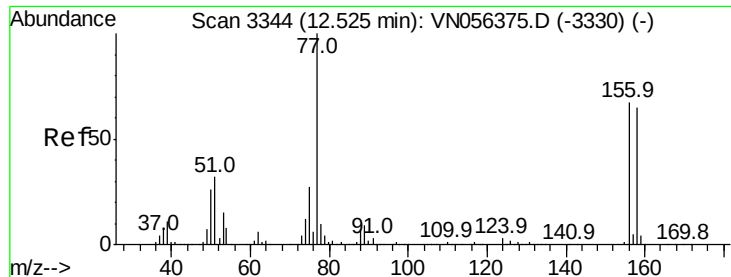
Delta R.T. 0.00 min

Lab File: VN056431.D

Acq: 21 Jun 2019 17:13

Tgt Ion:	75	Resp:	96247
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.123 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056431.D

Acq: 21 Jun 2019 17:13

Instrument :

MSVOA_N

ClientSampled :

VN0621WBSD02

Tot Ion:156 Resp: 91682

Ion Ratio Lower Upper

156 100

77 183.8 92.5 277.3

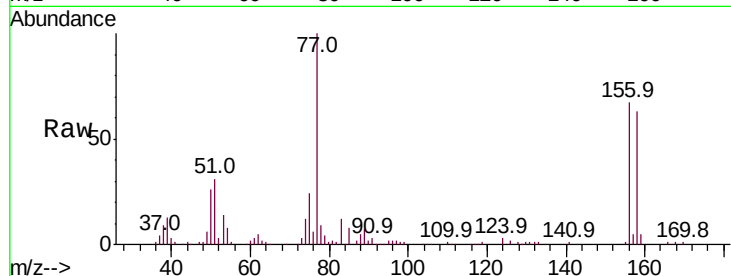
158 95.0 48.7 146.1

Manual Integrations

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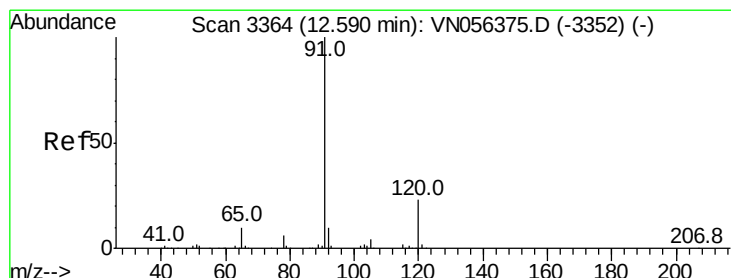
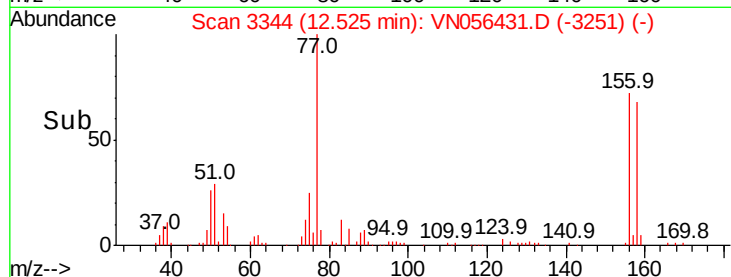
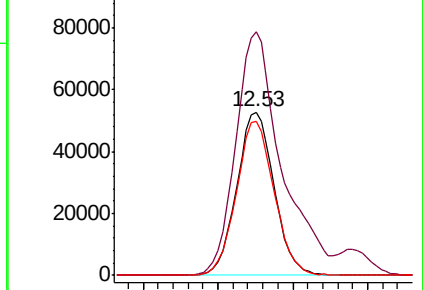
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.791 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056431.D

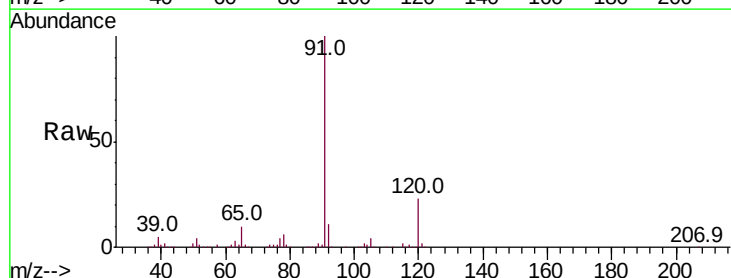
Acq: 21 Jun 2019 17:13

Tgt Ion: 91 Resp: 369575

Ion Ratio Lower Upper

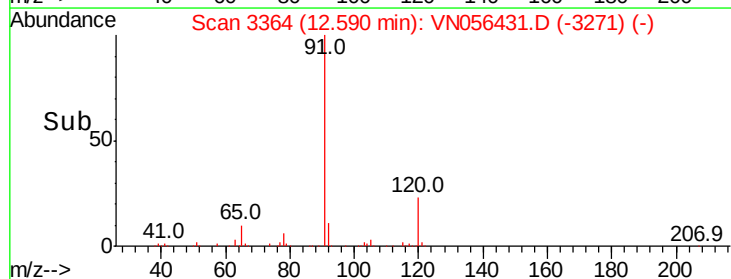
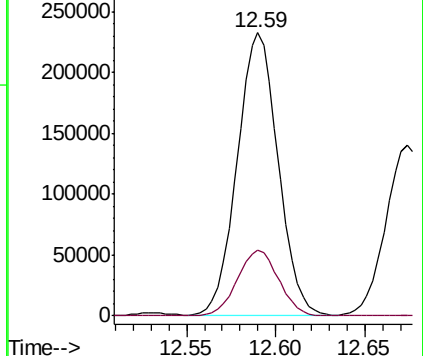
91 100

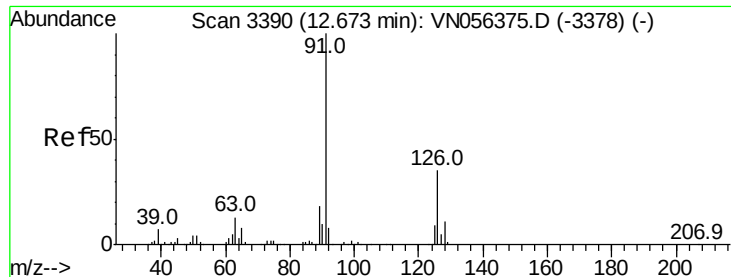
120 23.6 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.365 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056431.D

Acq: 21 Jun 2019 17:13

Instrument :

MSVOA_N

ClientSampleId :

VN0621WBSD02

Tot Ion: 91 Resp: 231625

Ion Ratio Lower Upper

91 100

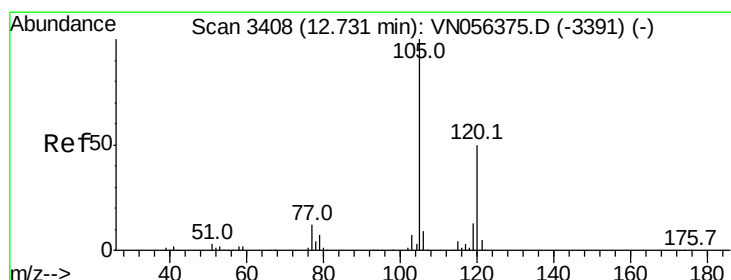
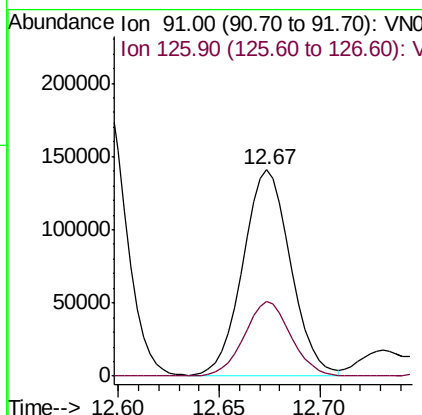
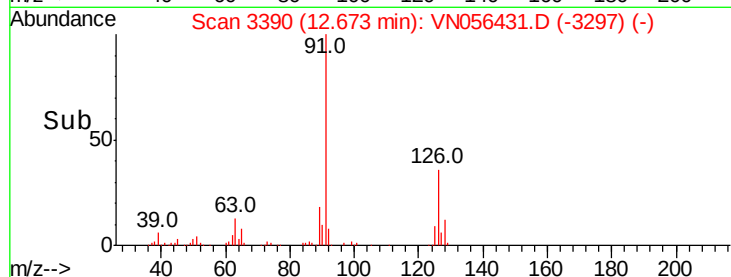
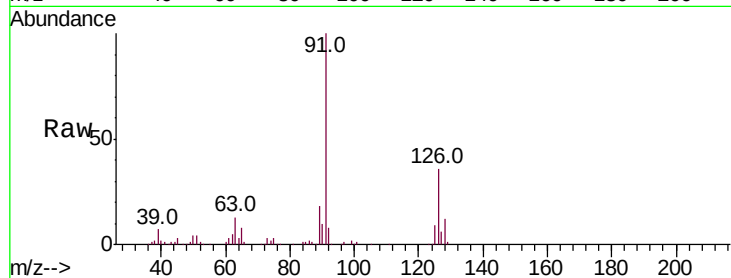
126 35.6 17.6 52.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 22.471 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056431.D

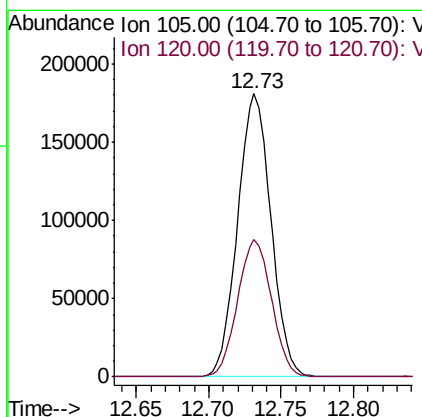
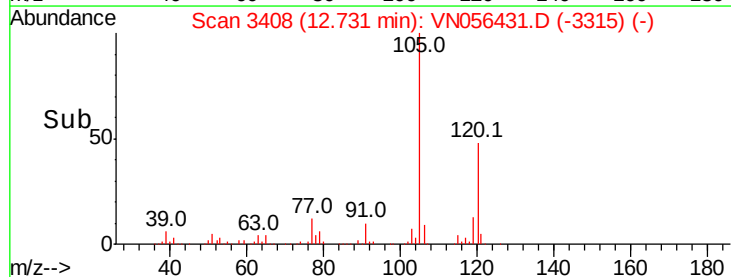
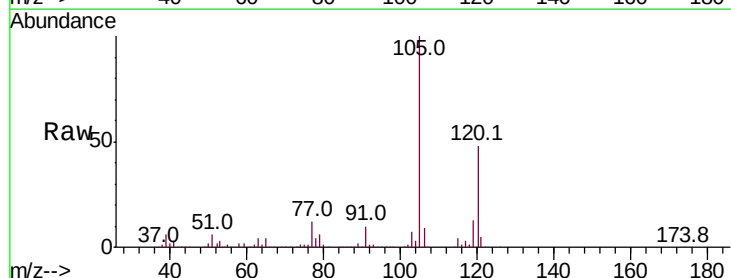
Acq: 21 Jun 2019 17:13

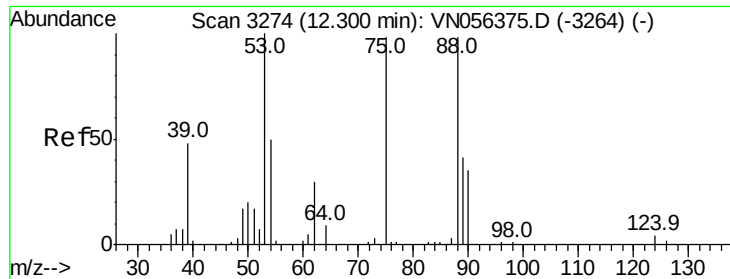
Tgt Ion: 105 Resp: 289707

Ion Ratio Lower Upper

105 100

120 49.5 24.8 74.4





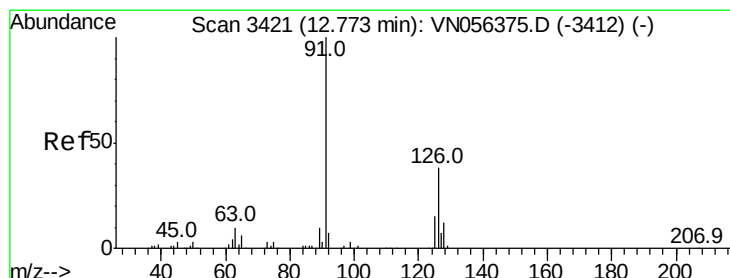
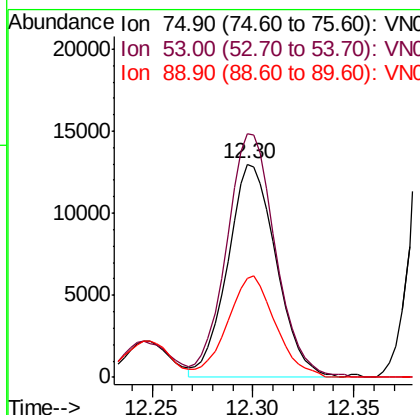
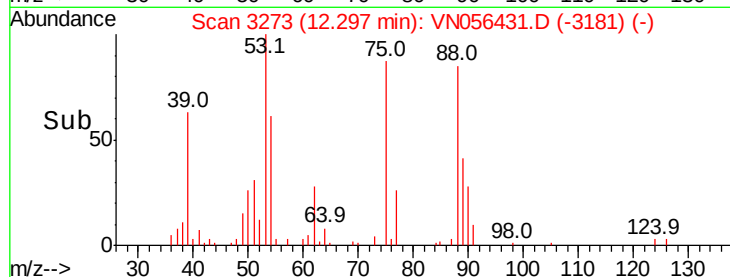
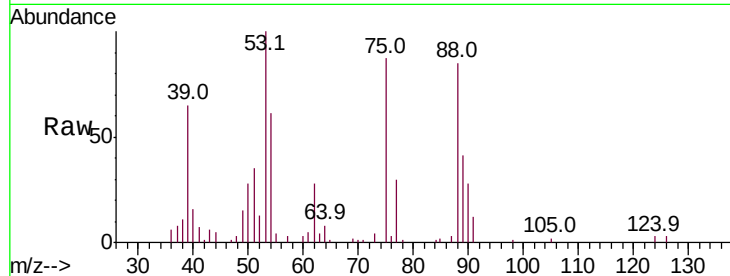
#81
trans-1,4-Dichloro-2-butene
Concen: 19.362 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. -0.00 min
Lab File: VN056431.D
Acq: 21 Jun 2019 17:13

Instrument :
MSVOA_N
ClientSampleId :
VN0621WBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
53	115.1	83.9	125.9
89	46.5	35.0	52.6

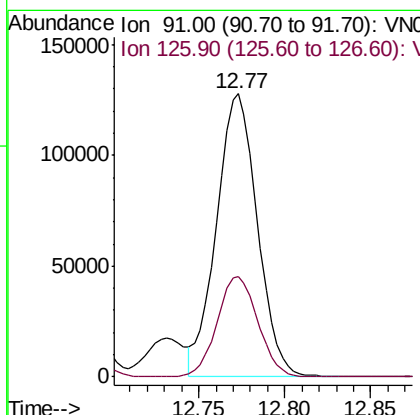
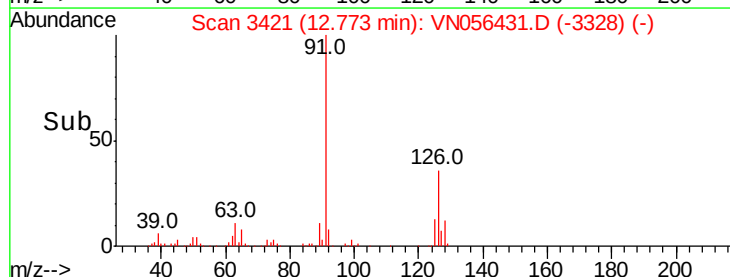
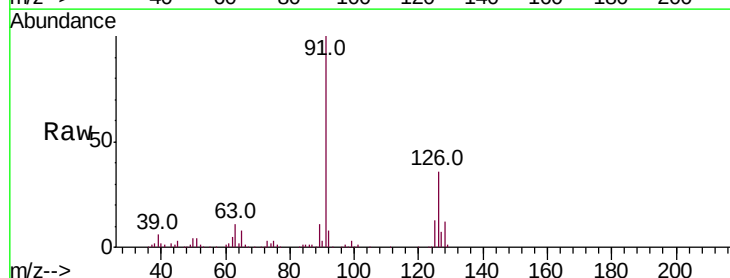
Manual Integrations
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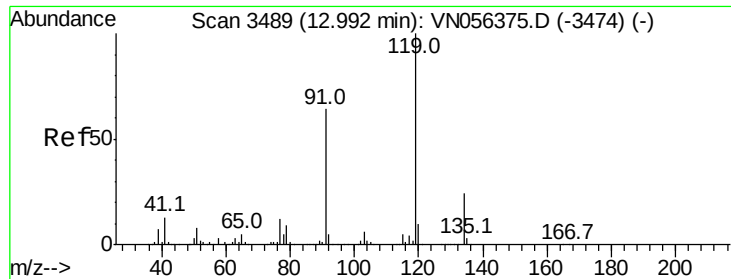
MMDadoda
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#82
4-Chlorotoluene
Concen: 20.081 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN056431.D
Acq: 21 Jun 2019 17:13

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.6	17.3	52.0





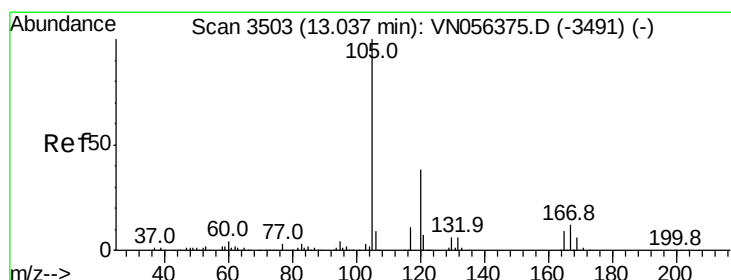
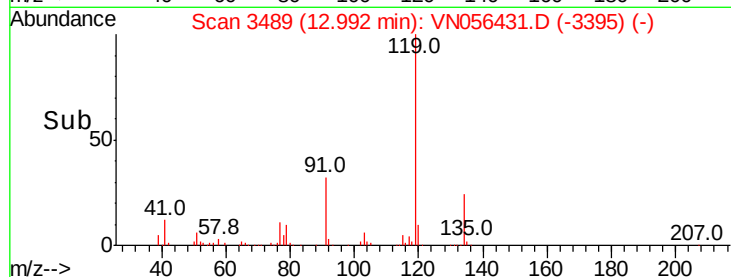
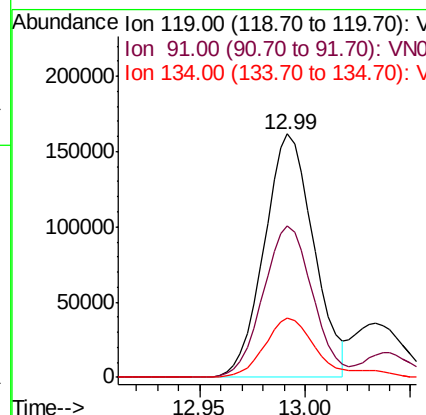
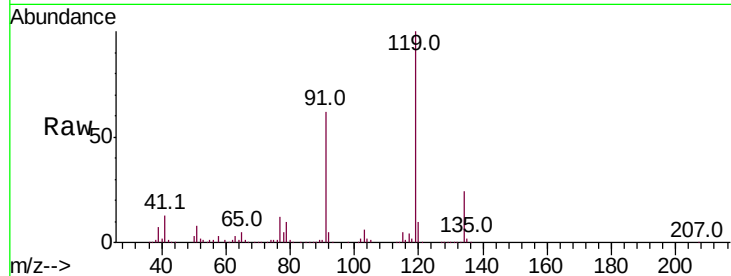
#83
 tert-Butylbenzene
 Concen: 23.282 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN056431.D
 Acq: 21 Jun 2019 17:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621WBSD02

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.3	31.6	94.7
134	26.5	13.2	39.5

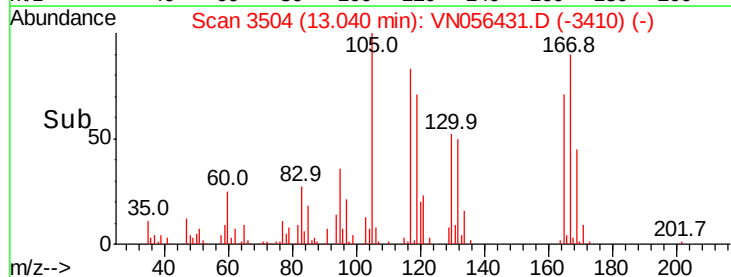
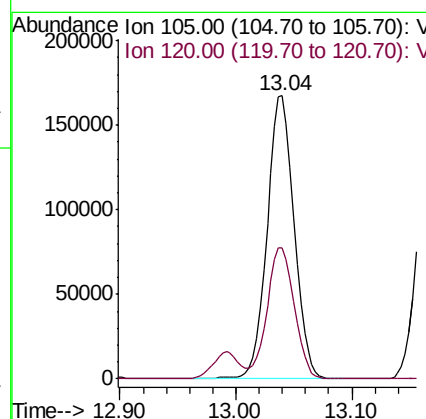
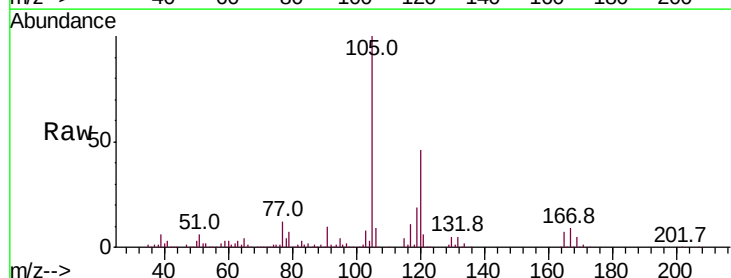
Manual Integrations
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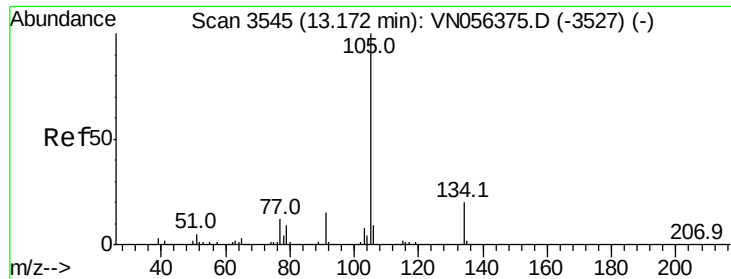
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.721 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN056431.D
 Acq: 21 Jun 2019 17:13

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.7	22.9	68.8





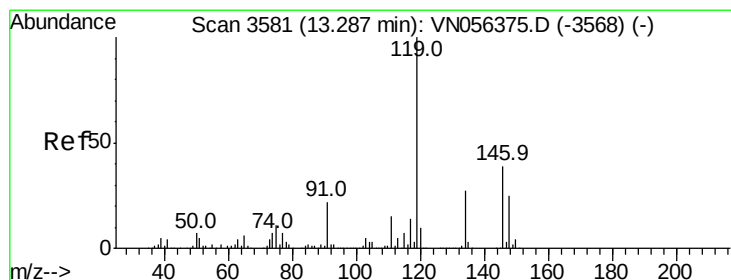
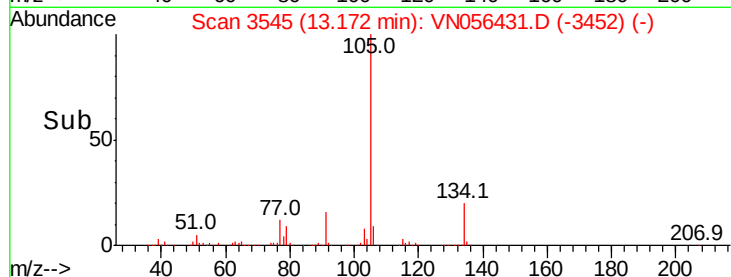
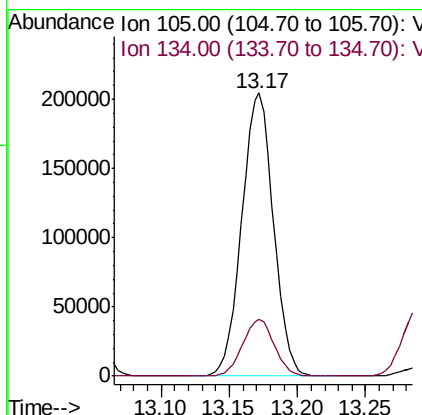
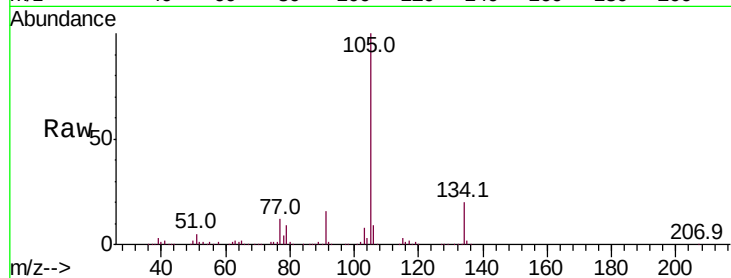
#85
 sec-Butylbenzene
 Concen: 21.062 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN056431.D
 Acq: 21 Jun 2019 17:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621WBSD02

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.1	10.2	30.4

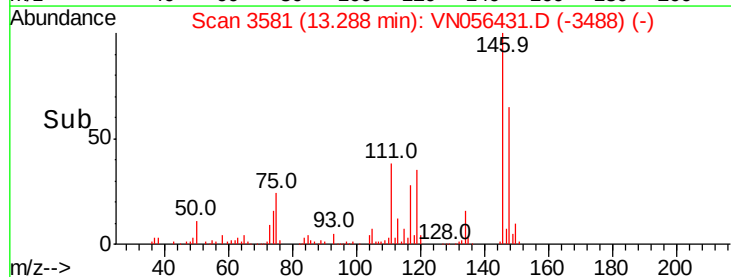
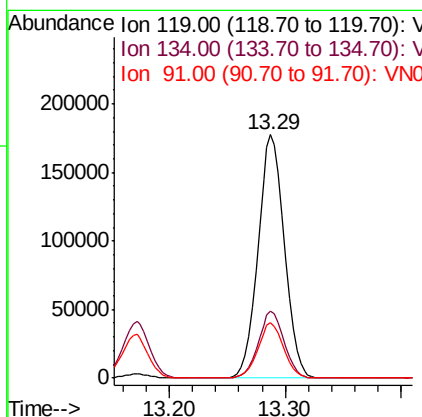
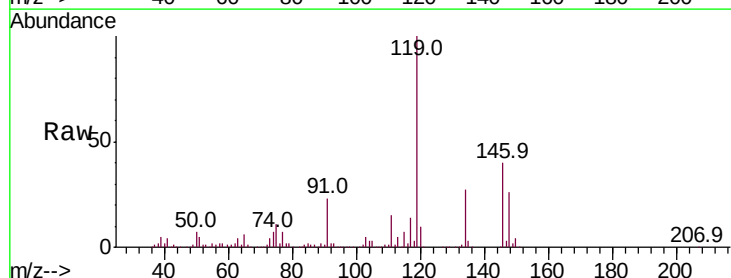
Manual Integrations
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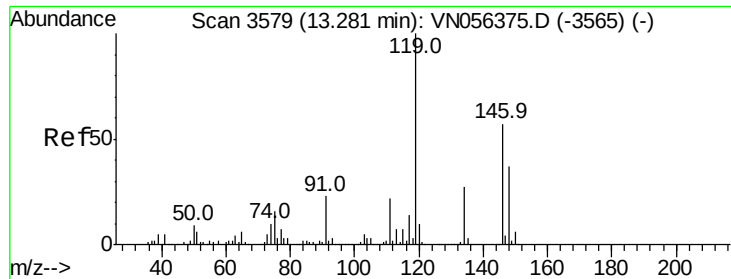
MMDadoda
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#86
 p-Isopropyltoluene
 Concen: 20.932 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN056431.D
 Acq: 21 Jun 2019 17:13

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.9	13.5	40.4
91	22.2	11.2	33.5





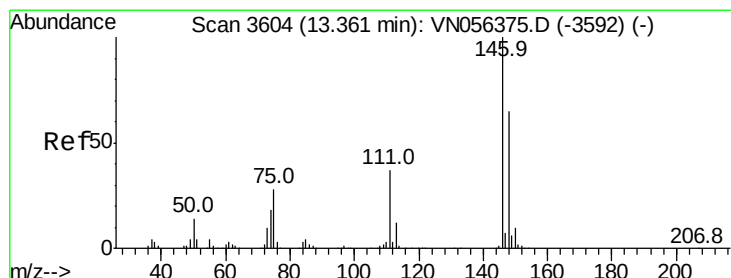
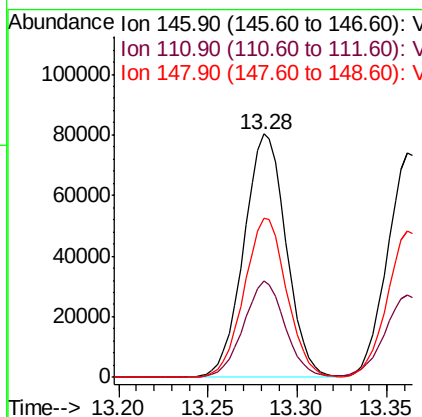
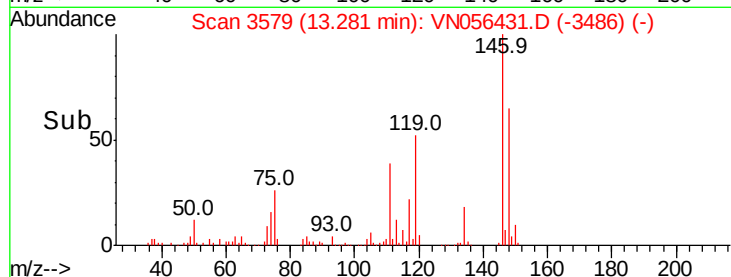
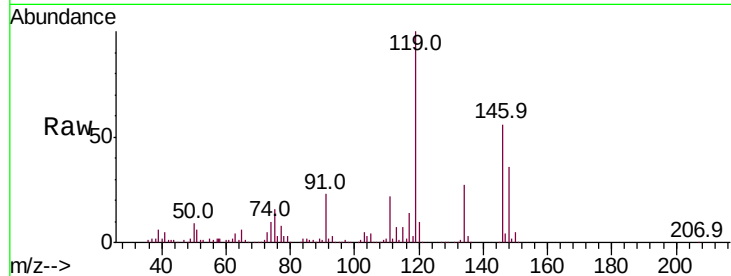
#87
 1,3-Dichlorobenzene
 Concen: 20.224 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056431.D
 Acq: 21 Jun 2019 17:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	18.9	56.9
148	65.5	32.1	96.5

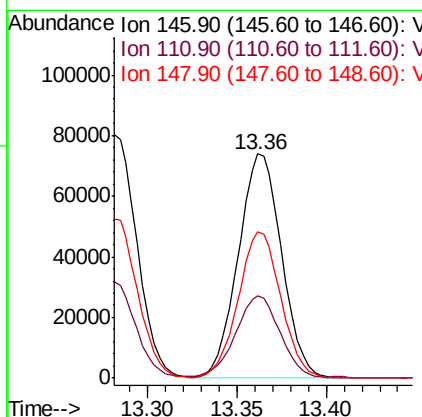
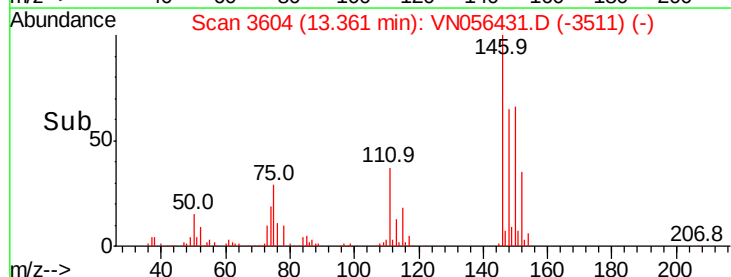
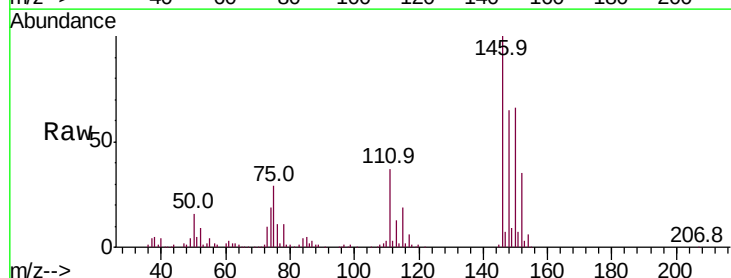
Manual Integrations
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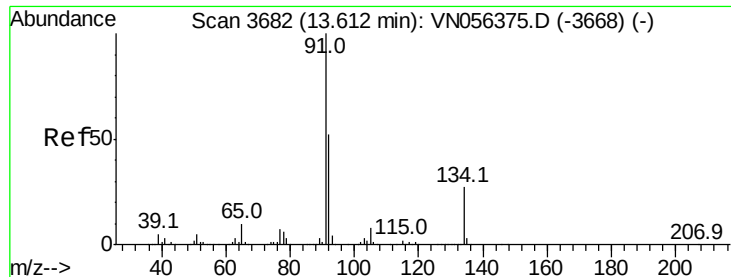
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 6/24/2019 4:16:06 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.592 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056431.D
 Acq: 21 Jun 2019 17:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.4	55.4
148	64.7	32.4	97.0





#89

n-Butylbenzene

Concen: 18.788 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN056431.D

Acq: 21 Jun 2019 17:13

Instrument :

MSVOA_N

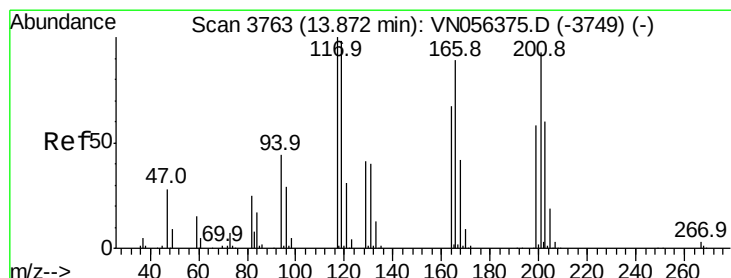
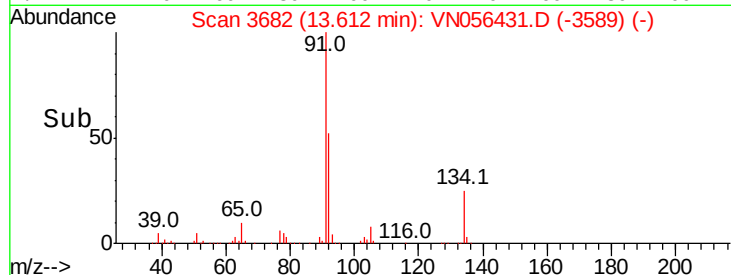
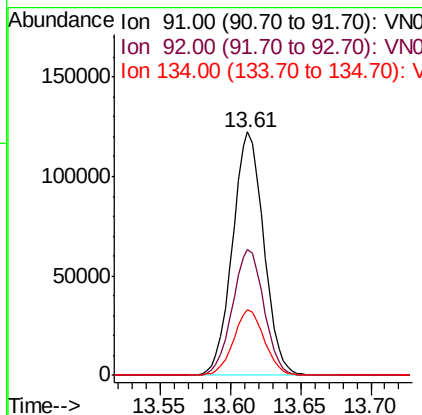
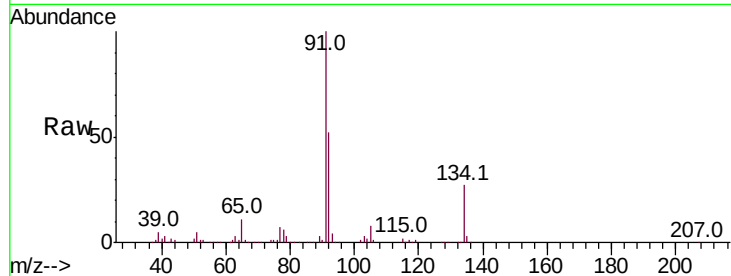
ClientSampleId :

VN0621WBSD02

Tot Ion:	91	Resp:	190714
Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.2	78.5
134	26.3	13.4	40.2

Manual Integrations
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#90

Hexachloroethane

Concen: 19.619 ug/l

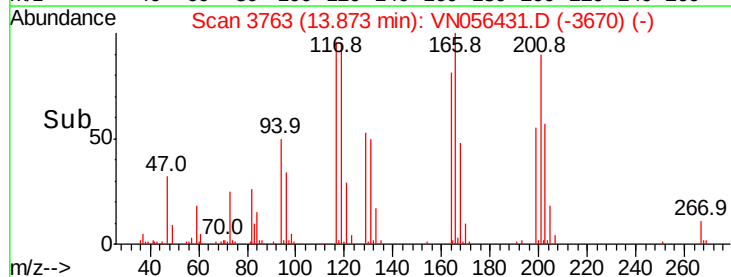
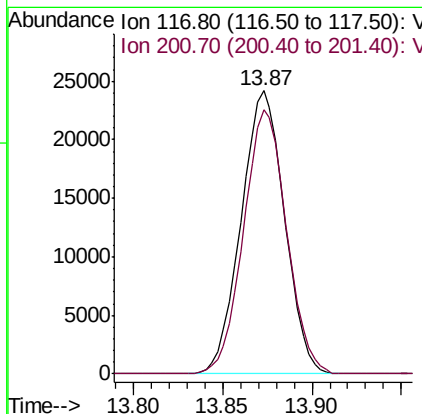
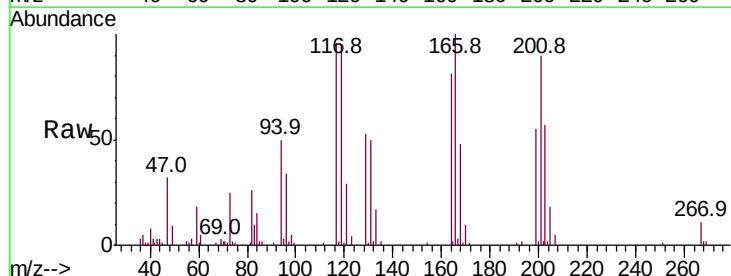
RT: 13.87 min Scan# 3763

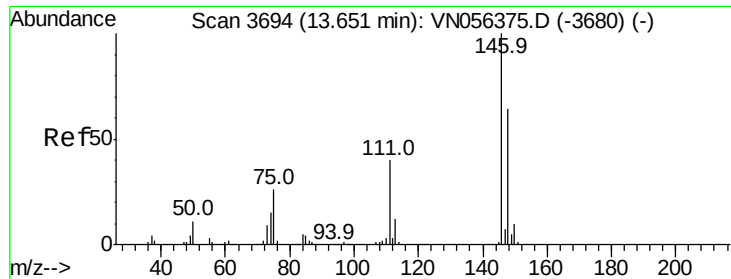
Delta R.T. 0.00 min

Lab File: VN056431.D

Acq: 21 Jun 2019 17:13

Tgt Ion:	117	Resp:	41013
Ion	Ratio	Lower	Upper
117	100		
201	92.4	45.9	137.6





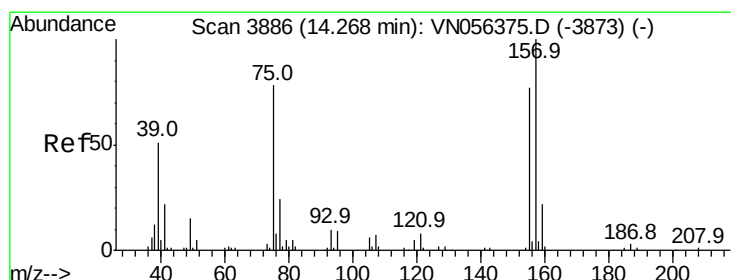
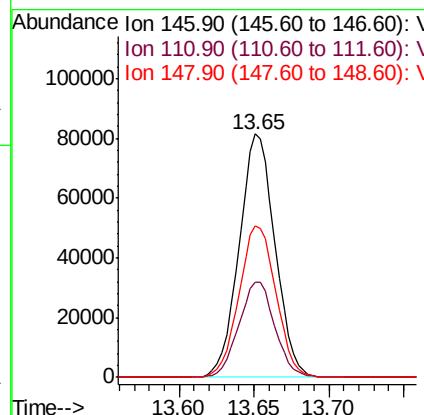
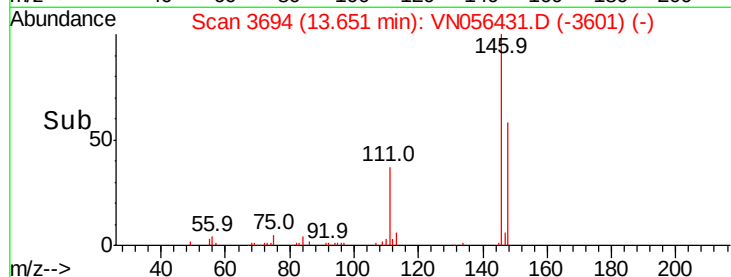
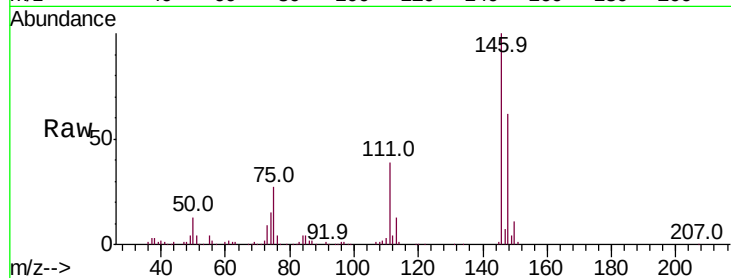
#91
 1,2-Dichlorobenzene
 Concen: 20.794 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN056431.D
 Acq: 21 Jun 2019 17:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.3	57.9
148	64.3	32.0	96.0

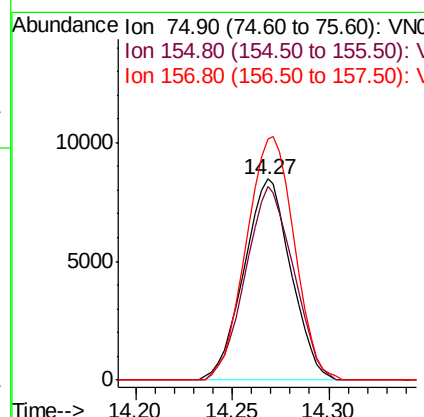
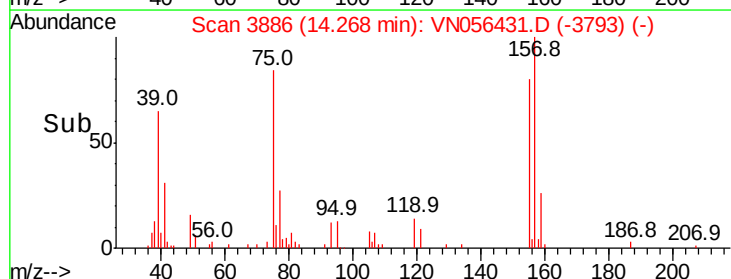
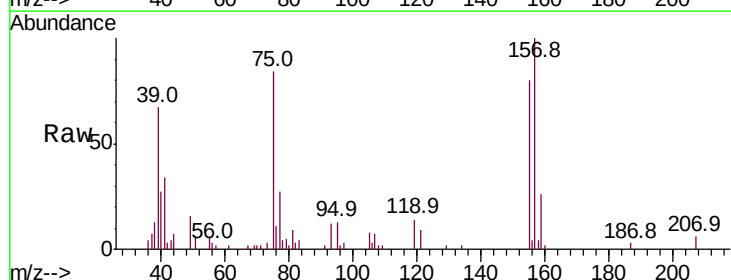
Manual Integrations
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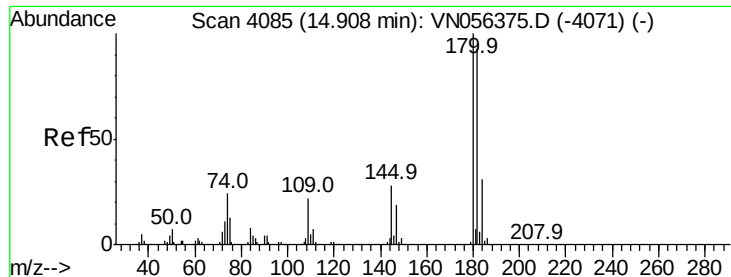
MMDadoda
 6/24/2019 4:16:06 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.914 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056431.D
 Acq: 21 Jun 2019 17:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.2	48.9	146.8
157	123.4	62.9	188.8





#93

1,2,4-Trichlorobenzene

Concen: 17.105 ug/l

RT: 14.90 min Scan# 4084

Delta R.T. -0.00 min

Lab File: VN056431.D

Acq: 21 Jun 2019 17:13

Instrument :

MSVOA_N

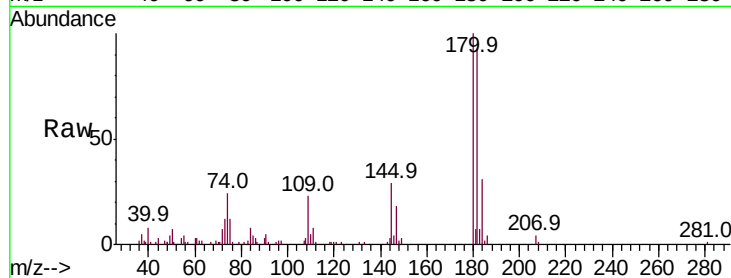
ClientSampleId :

VN0621WBSD02

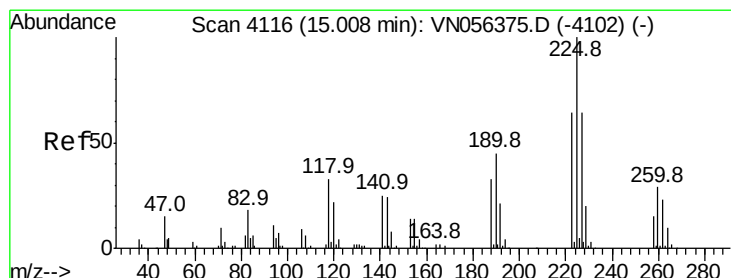
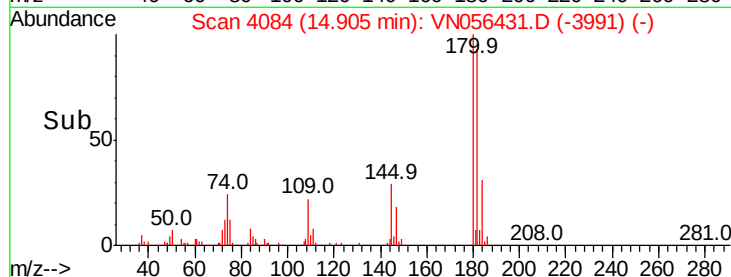
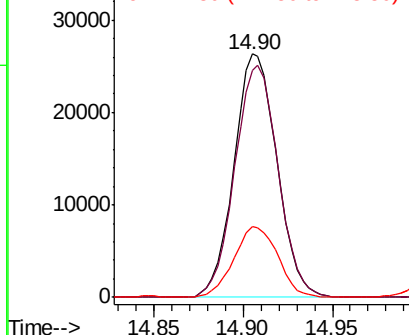
Tot Ion:	180	Resp:	43991
Ion Ratio	Lower	Upper	
180	100		
182	96.0	46.9	140.6
145	29.7	14.4	43.0

Manual Integrations
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6/24/2019 4:16:06 PM



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



#94

Hexachlorobutadiene

Concen: 21.015 ug/l

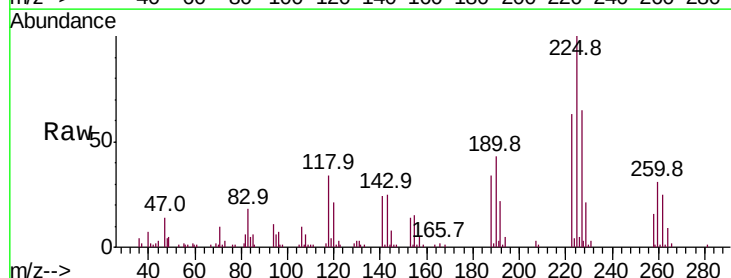
RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

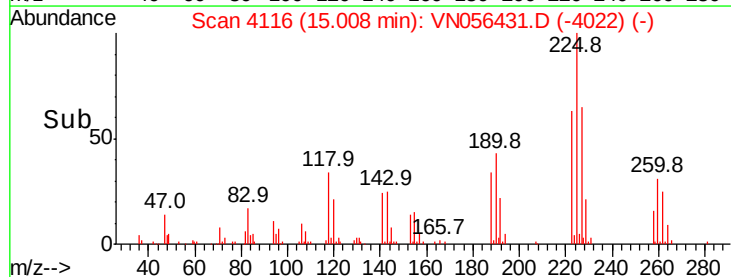
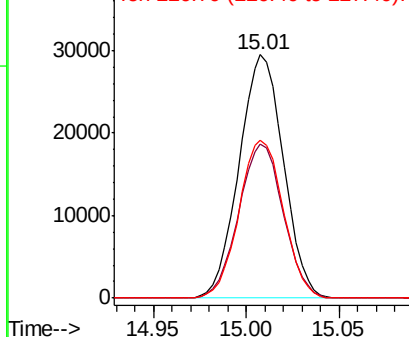
Lab File: VN056431.D

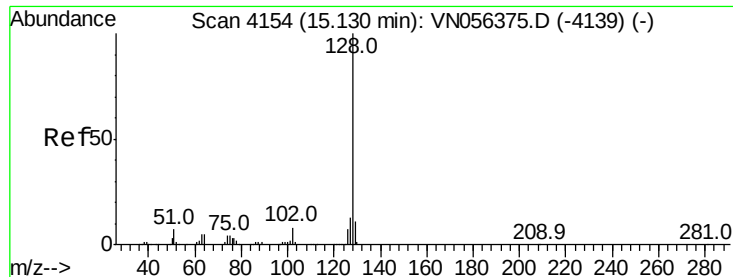
Acq: 21 Jun 2019 17:13

Tgt Ion:	225	Resp:	48883
Ion Ratio	Lower	Upper	
225	100		
223	63.6	31.4	94.3
227	64.7	32.1	96.3



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





#95

Naphthalene

Concen: 18.359 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056431.D

Acq: 21 Jun 2019 17:13

Instrument :

MSVOA_N

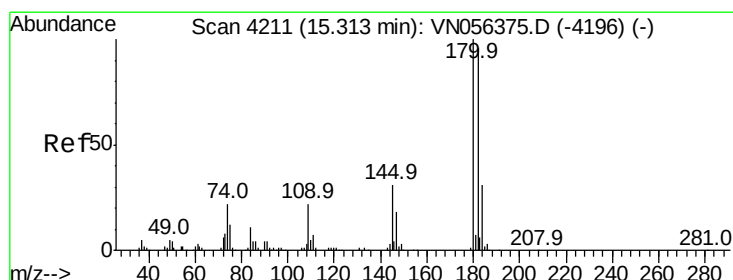
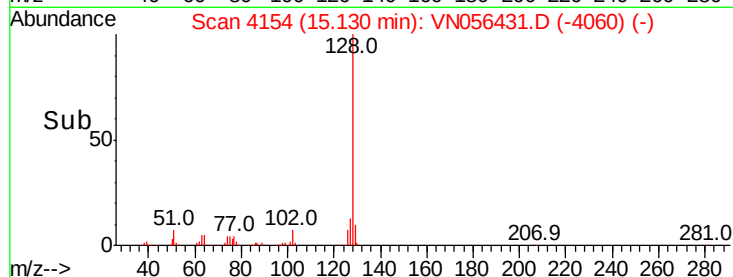
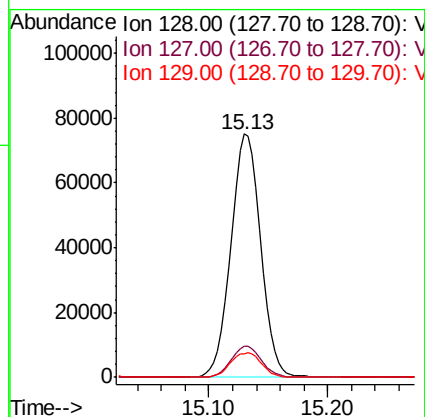
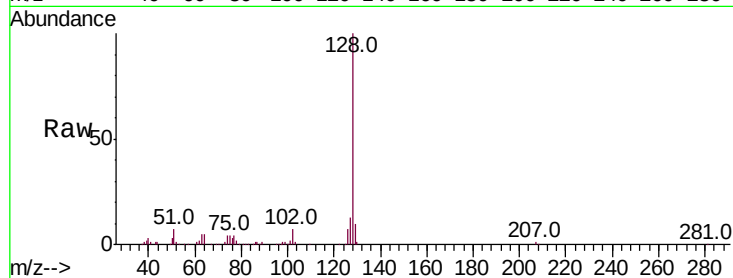
ClientSampleId :

VN0621WBSD02

Tot Ion:	128	Resp:	130124
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.2	15.2
129	10.5	8.6	12.8

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#96

1,2,3-Trichlorobenzene

Concen: 18.098 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056431.D

Acq: 21 Jun 2019 17:13

Tgt Ion:	180	Resp:	52671
Ion Ratio	Lower	Upper	
180	100		
182	96.6	48.3	144.8
145	31.5	15.4	46.1

