

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062119\
 Data File : VN056438.D
 Acq On : 21 Jun 2019 19:57
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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 6/24/2019 4:15:57 PM

Quant Time: Jun 22 03:44:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 03:45:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	366956	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	573529	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	510156	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	211565	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	211382	51.97	ug/l	0.00
Spiked Amount			Recovery	=	103.94%	
35) Dibromofluoromethane	7.59	113	188582	52.71	ug/l	0.00
Spiked Amount			Recovery	=	105.42%	
50) Toluene-d8	10.09	98	712721	51.19	ug/l	0.00
Spiked Amount			Recovery	=	102.38%	
62) 4-Bromofluorobenzene	12.40	95	239816	51.67	ug/l	0.00
Spiked Amount			Recovery	=	103.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	149161	48.005	ug/l	100
3) Chloromethane	2.06	50	202497	47.863	ug/l	99
4) Vinyl Chloride	2.18	62	204852	50.132	ug/l	100
5) Bromomethane	2.53	94	125118m	52.229	ug/l	
6) Chloroethane	2.68	64	120883	51.083	ug/l	99
7) Trichlorofluoromethane	3.00	101	266995	50.511	ug/l	100
8) Diethyl Ether	3.41	74	114709	51.277	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	163294	48.443	ug/l	99
10) Methyl Iodide	3.95	142	246242	54.049	ug/l	100
11) Tert butyl alcohol	4.80	59	174122	254.197	ug/l	99
12) 1,1-Dichloroethene	3.73	96	165026	50.908	ug/l	97
13) Acrolein	3.61	56	117460	203.458	ug/l	97
14) Allyl chloride	4.32	41	282749	52.398	ug/l	100
15) Acrylonitrile	4.99	53	507834	267.984	ug/l	99
16) Acetone	3.82	43	440453	216.160	ug/l	100
17) Carbon Disulfide	4.05	76	347108	47.078	ug/l	99
18) Methyl Acetate	4.33	43	213264	53.499	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	572942	53.414	ug/l	99
20) Methylene Chloride	4.55	84	198333	51.663	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	175673	50.265	ug/l	99
22) Diisopropyl ether	5.95	45	599367	52.889	ug/l	96
23) Vinyl Acetate	5.90	43	2498983	279.579	ug/l	100
24) 1,1-Dichloroethane	5.85	63	337719	51.915	ug/l	100
25) 2-Butanone	6.84	43	689135	255.537	ug/l	98
26) 2,2-Dichloropropane	6.82	77	219541	48.523	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	215180	52.625	ug/l	98
28) Bromochloromethane	7.19	49	169549	52.693	ug/l	97
29) Tetrahydrofuran	7.21	42	451015	273.669	ug/l	99
30) Chloroform	7.37	83	334540	52.116	ug/l	100
31) Cyclohexane	7.65	56	297765	47.413	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	271974	53.453	ug/l	99
36) 1,1-Dichloropropene	7.79	75	245235	48.580	ug/l	99
37) Ethyl Acetate	6.93	43	265351	53.488	ug/l	99
38) Carbon Tetrachloride	7.77	117	224255	50.800	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	291894	46.861	ug/l	98
40) Benzene	8.04	78	777908	50.097	ug/l	99
41) Methacrylonitrile	7.17	41	111015	50.677	ug/l	99
42) 1,2-Dichloroethane	8.12	62	256072	49.970	ug/l	99
43) Isopropyl Acetate	8.17	43	422251	55.199	ug/l	100
44) Trichloroethene	8.83	130	211809	50.638	ug/l	99
45) 1,2-Dichloropropane	9.12	63	213573	51.430	ug/l	100
46) Dibromomethane	9.21	93	134859	51.907	ug/l	98
47) Bromodichloromethane	9.40	83	246474	53.489	ug/l	99
48) Methyl methacrylate	9.20	41	207068	54.017	ug/l	97
49) 1,4-Dioxane	9.20	88	83410	1048.503	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	1327978	268.964	ug/l	100
52) Toluene	10.16	92	477666	50.315	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	259950	48.526	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	300590	54.170	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	199146	52.188	ug/l	99
56) Ethyl methacrylate	10.43	69	305286	54.743	ug/l	99
57) 1,3-Dichloropropane	10.71	76	337431	52.637	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	502931	251.033	ug/l	99
59) 2-Hexanone	10.75	43	922719	254.276	ug/l	99
60) Dibromochloromethane	10.90	129	193386	49.338	ug/l	100
61) 1,2-Dibromoethane	11.00	107	207843	53.329	ug/l	99
64) Tetrachloroethene	10.63	164	204020	50.500	ug/l	99
65) Chlorobenzene	11.43	112	511973	49.944	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	189458	54.685	ug/l	100
67) Ethyl Benzene	11.51	91	900023	50.004	ug/l	100
68) m/p-Xylenes	11.62	106	675611	102.423	ug/l	99
69) o-Xylene	11.95	106	337260	51.680	ug/l	98
70) Styrene	11.96	104	557922	53.486	ug/l	99
71) Bromoform	12.13	173	135362	48.529	ug/l #	100
73) Isopropylbenzene	12.25	105	884137	55.959	ug/l	100
74) N-amyl acetate	12.07	43	334338	49.655	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	277754	56.883	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	246732m	56.244	ug/l	
77) Bromobenzene	12.53	156	231448	48.926	ug/l	100
78) n-propylbenzene	12.59	91	953582	49.219	ug/l	100
79) 2-Chlorotoluene	12.67	91	582649	55.103	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	722319	54.451	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	66751	54.081	ug/l	96
82) 4-Chlorotoluene	12.77	91	561161	49.055	ug/l	100
83) tert-Butylbenzene	12.99	119	642769	55.717	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	707534	49.678	ug/l	99
85) sec-Butylbenzene	13.17	105	823373	48.352	ug/l	100
86) p-Isopropyltoluene	13.29	119	727532	49.782	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	359941	50.208	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	344887	49.674	ug/l	100
89) n-Butylbenzene	13.61	91	543097	49.090	ug/l	100
90) Hexachloroethane	13.87	117	114857	50.411	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	357645	50.282	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	41008	52.385	ug/l	97

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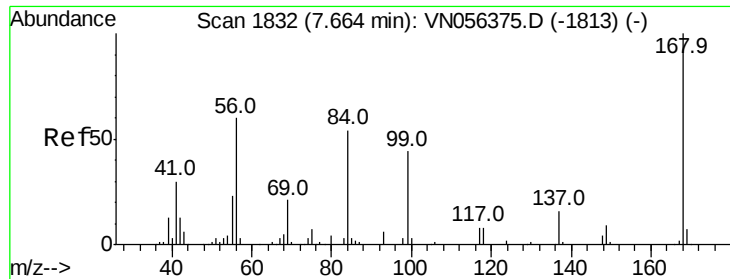
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	148225	41.138	ug/l	99
94) Hexachlorobutadiene	15.01	225	122535	50.868	ug/l	99
95) Naphthalene	15.13	128	420031	44.083	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	168802	44.521	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN056438.D

Acq: 21 Jun 2019 19:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 366956

Ion Ratio Lower Upper

168 100

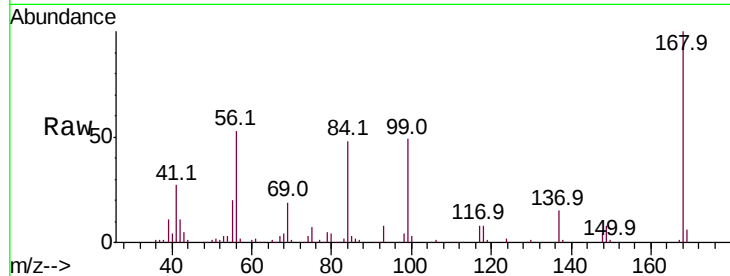
99 48.3 40.6 61.0

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

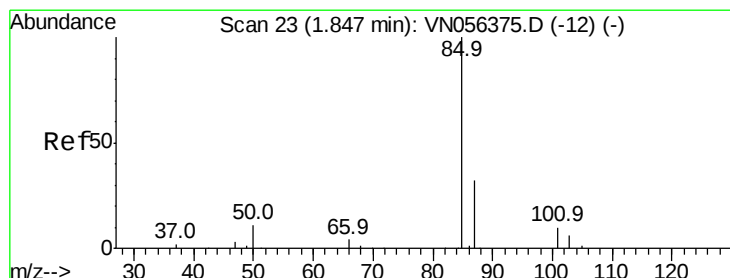
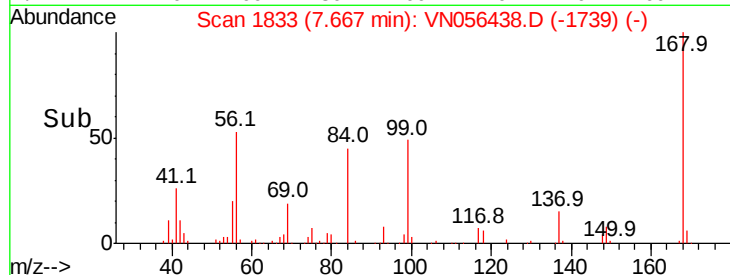
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100000

50000

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Time-->



#2

Dichlorodifluoromethane

Concen: 48.005 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056438.D

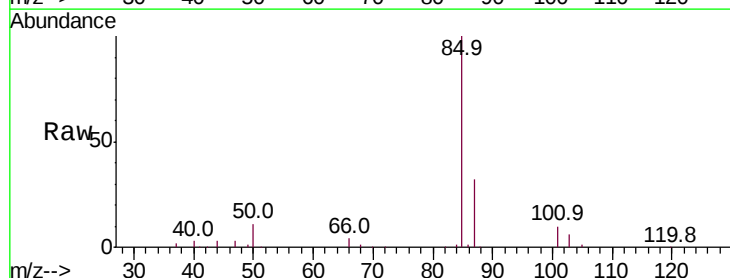
Acq: 21 Jun 2019 19:57

Tgt Ion: 85 Resp: 149161

Ion Ratio Lower Upper

85 100

87 32.0 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

100000

80000

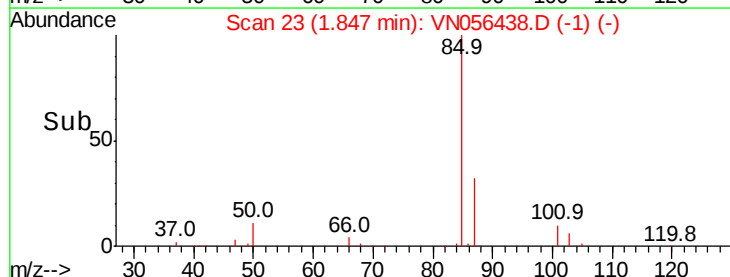
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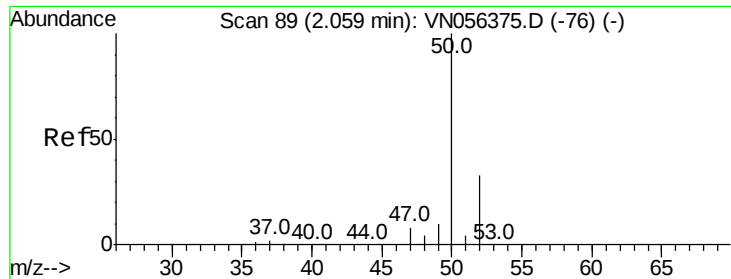
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Time-->





#3

Chloromethane

Concen: 47.863 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056438.D

Acq: 21 Jun 2019 19:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 202497

Ion Ratio Lower Upper

50 100

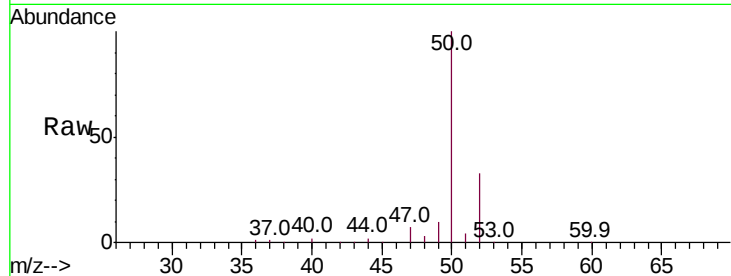
52 32.5 26.5 39.7

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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC

2.06

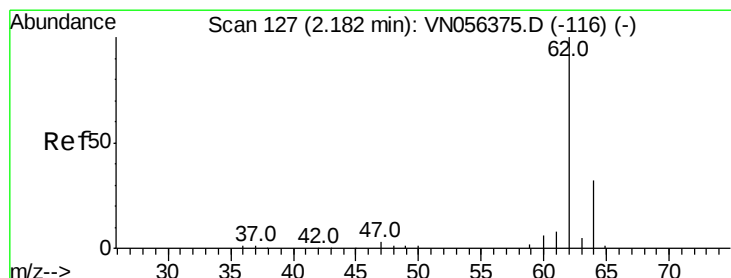
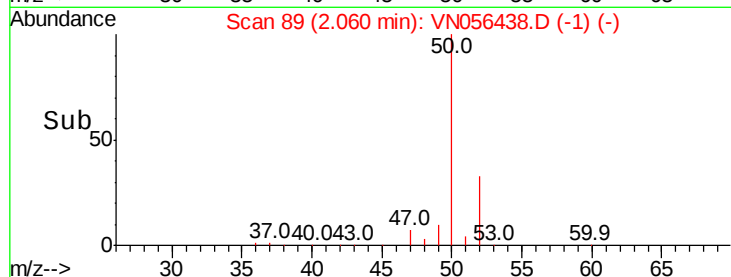
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100000

50000

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Time-->



#4

Vinyl Chloride

Concen: 50.132 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN056438.D

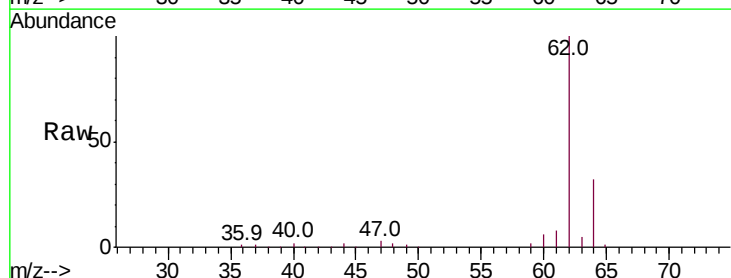
Acq: 21 Jun 2019 19:57

Tgt Ion: 62 Resp: 204852

Ion Ratio Lower Upper

62 100

64 32.0 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC

2.18

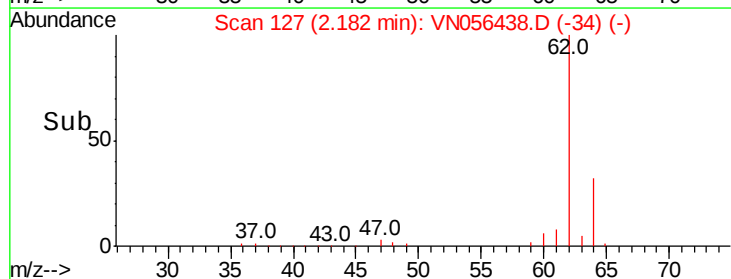
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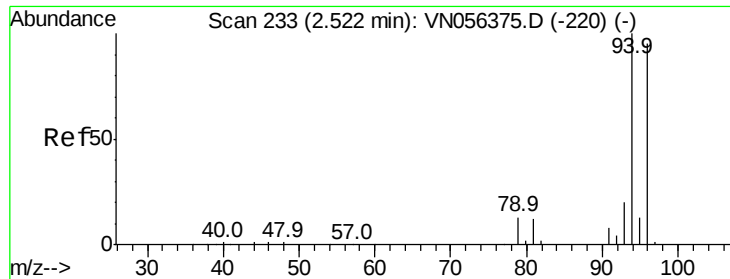
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Time-->





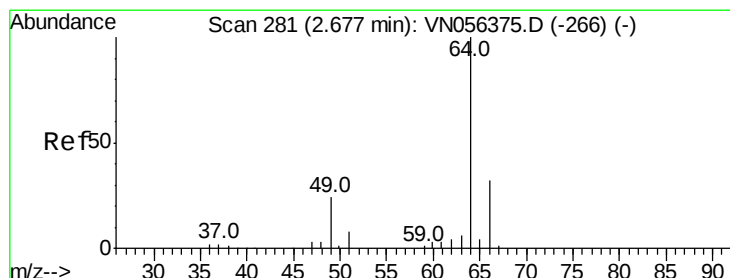
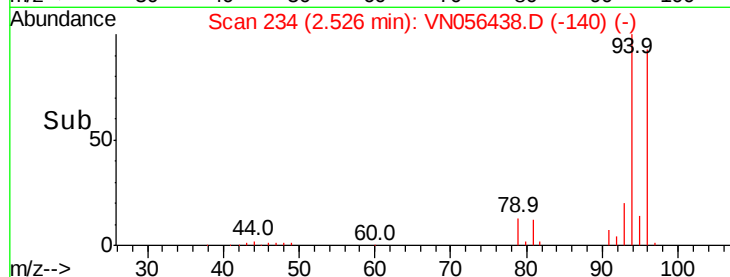
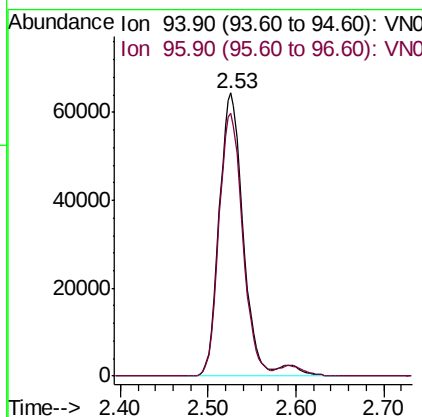
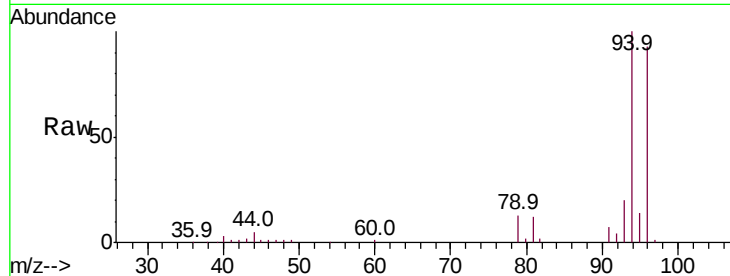
#5
Bromomethane
Concen: 52.229 ug/l m
RT: 2.53 min Scan# 234
Delta R.T. 0.00 min
Lab File: VN056438.D
Acq: 21 Jun 2019 19:57

Instrument :
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Tot Ion: 94 Resp: 125118
Ion Ratio Lower Upper
94 100
96 92.9 76.0 114.0

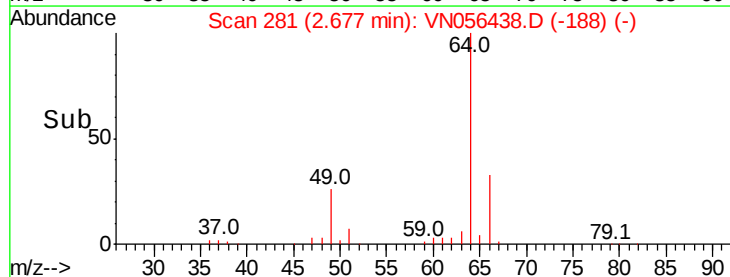
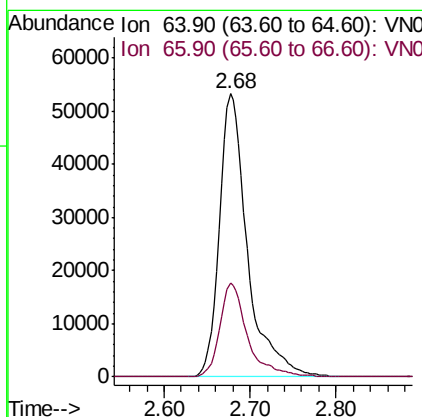
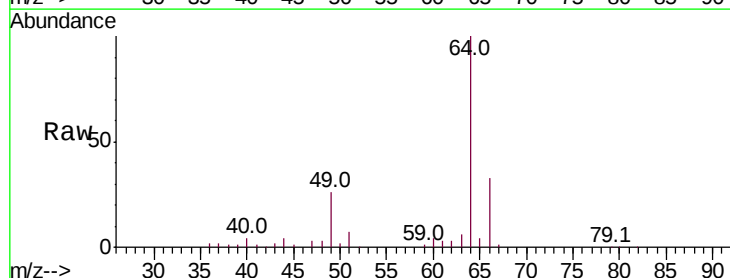
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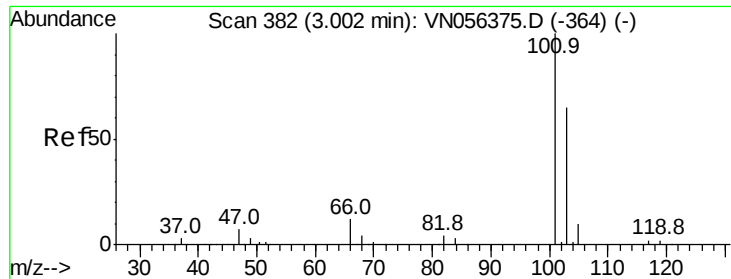
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#6
Chloroethane
Concen: 51.083 ug/l
RT: 2.68 min Scan# 281
Delta R.T. 0.00 min
Lab File: VN056438.D
Acq: 21 Jun 2019 19:57

Tgt Ion: 64 Resp: 120883
Ion Ratio Lower Upper
64 100
66 33.0 25.8 38.8





#7

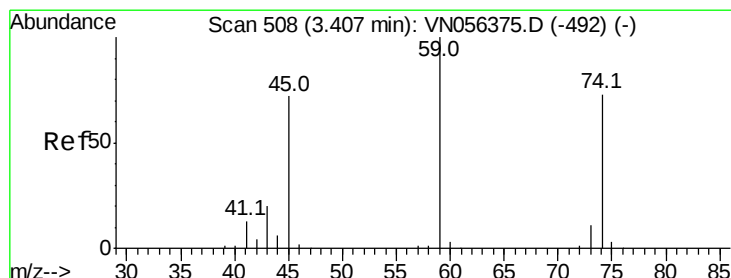
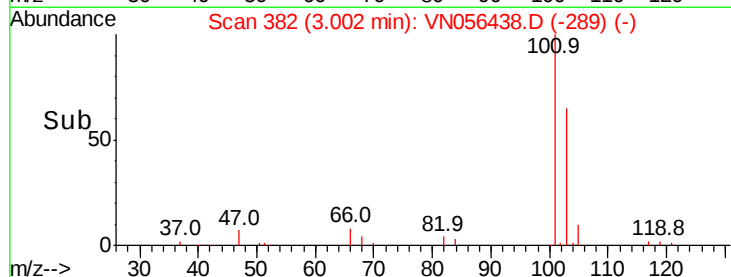
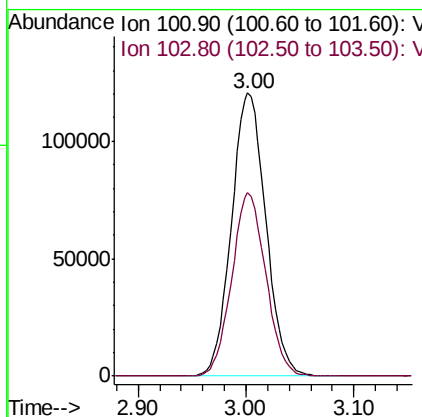
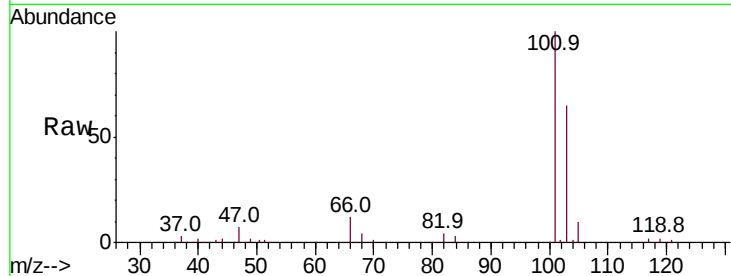
Trichlorofluoromethane
Concen: 50.511 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN056438.D
Acq: 21 Jun 2019 19:57

Instrument :
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ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	51.7	77.5

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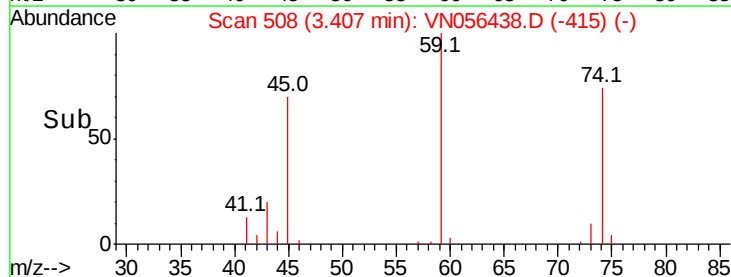
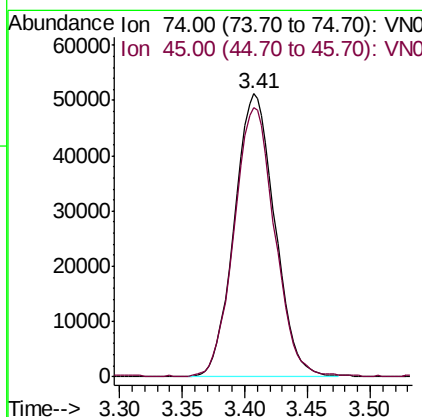
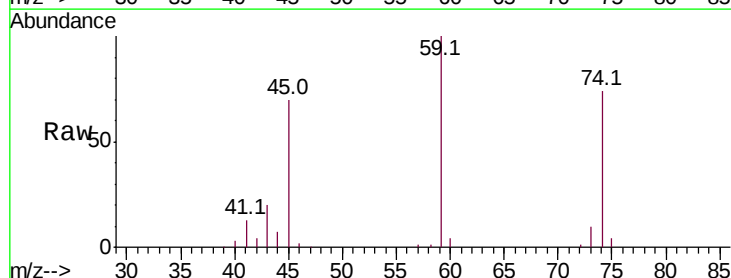
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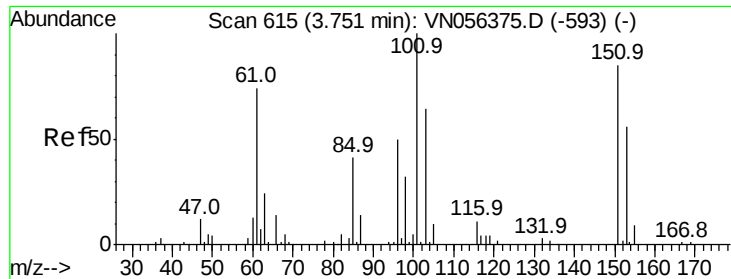


#8

Diethyl Ether
Concen: 51.277 ug/l
RT: 3.41 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN056438.D
Acq: 21 Jun 2019 19:57

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.3	48.9	146.6





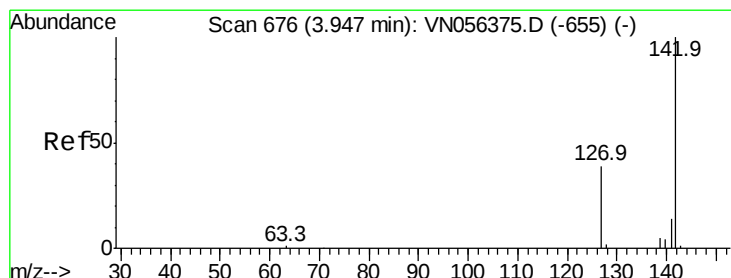
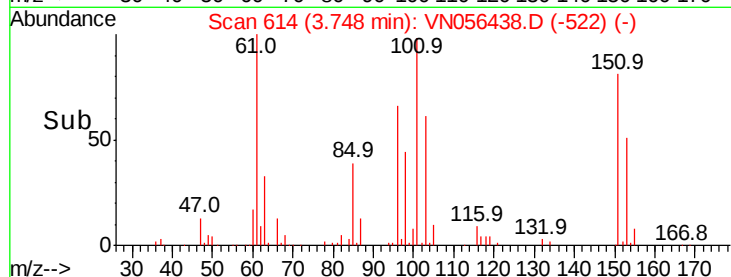
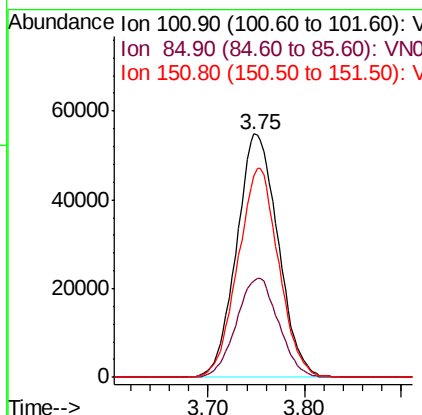
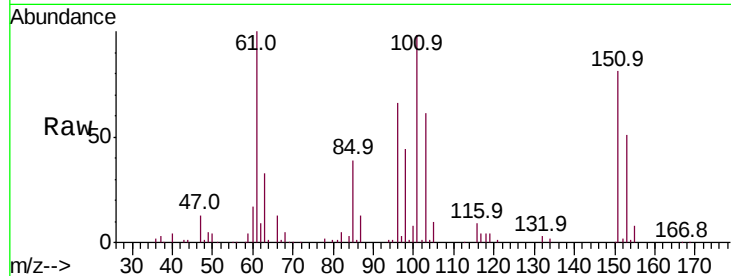
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 48.443 ug/l
 RT: 3.75 min Scan# 614
 Delta R.T. -0.00 min
 Lab File: VN056438.D
 Acq: 21 Jun 2019 19:57

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Tot Ion	Ratio	Lower	Upper
101	100		
85	41.3	32.7	49.1
151	84.5	66.8	100.2

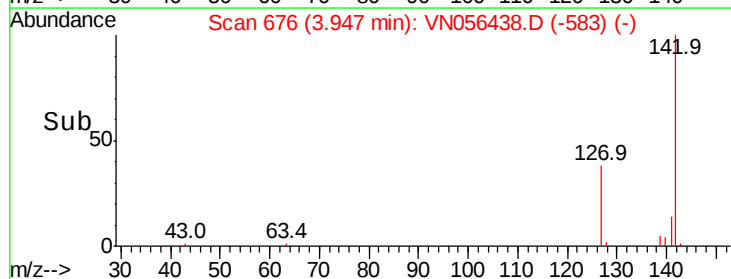
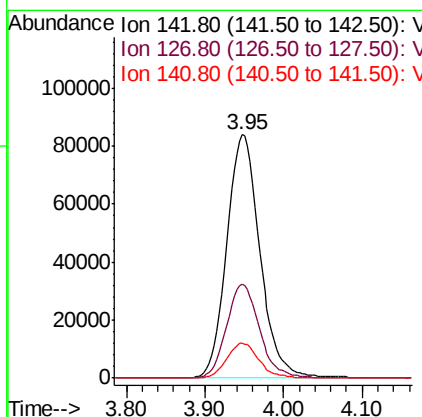
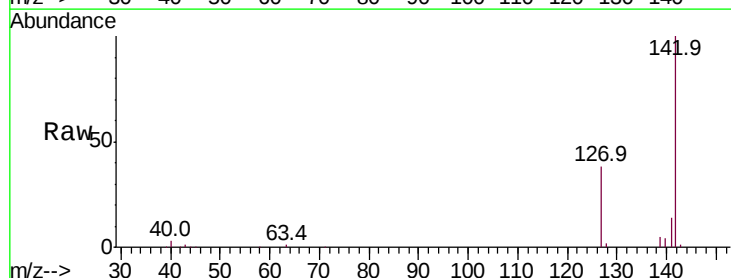
Manual Integrations
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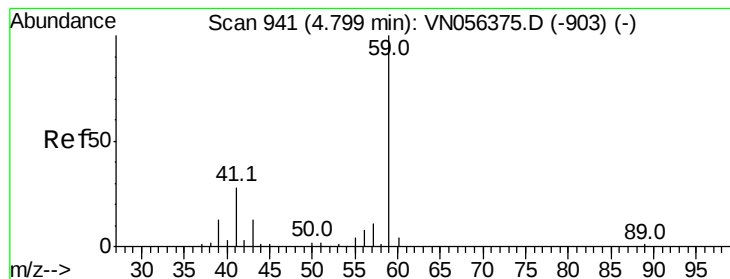
MMDadoda
 6/24/2019 4:15:57 PM



#10
 Methyl Iodide
 Concen: 54.049 ug/l
 RT: 3.95 min Scan# 676
 Delta R.T. 0.00 min
 Lab File: VN056438.D
 Acq: 21 Jun 2019 19:57

Tgt Ion	Ratio	Lower	Upper
142	100		
127	38.5	30.6	46.0
141	14.0	11.4	17.2





#11

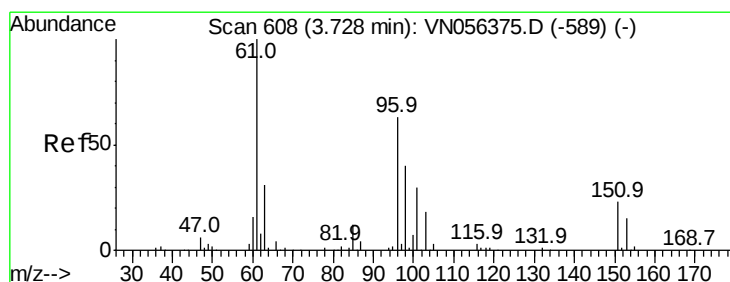
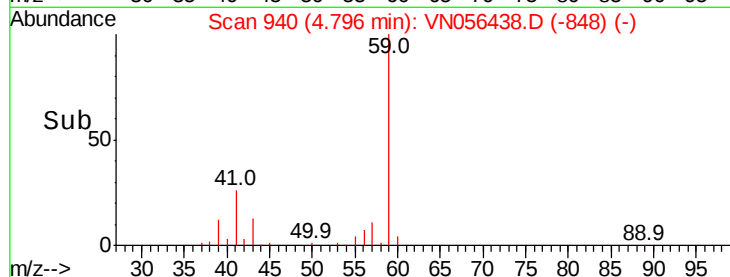
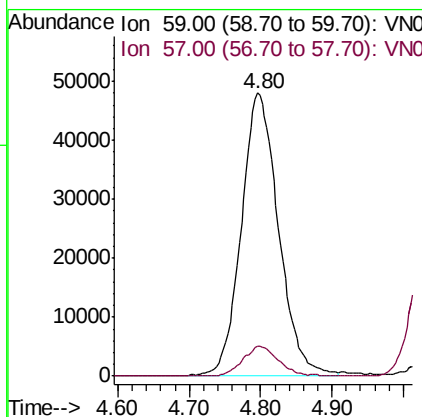
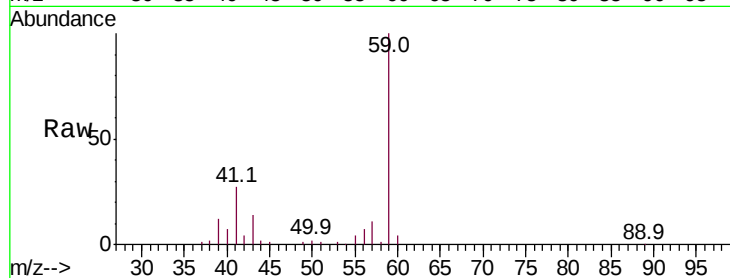
Tert butyl alcohol
 Concen: 254.197 ug/l
 RT: 4.80 min Scan# 940
 Delta R.T. -0.00 min
 Lab File: VN056438.D
 Acq: 21 Jun 2019 19:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	7.6	11.4

Manual Integrations
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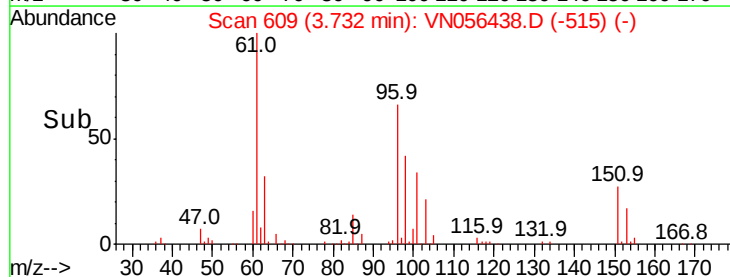
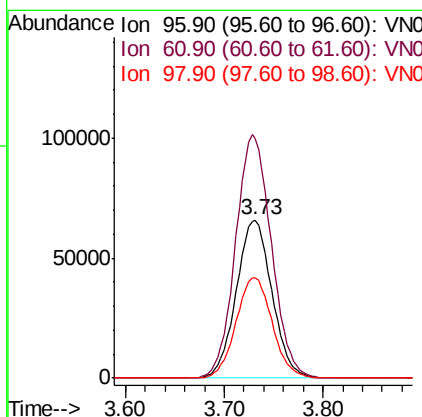
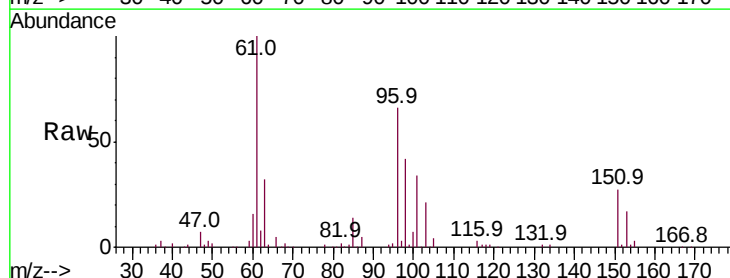
MMDadoda
 6/24/2019 4:15:57 PM

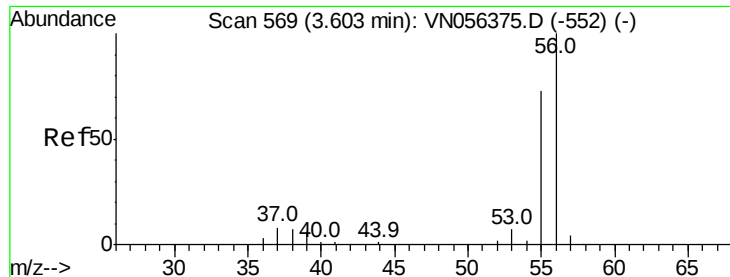


#12

1,1-Dichloroethene
 Concen: 50.908 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. 0.00 min
 Lab File: VN056438.D
 Acq: 21 Jun 2019 19:57

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.1	126.6	190.0
98	63.7	51.1	76.7





#13

Acrolein

Concen: 203.458 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN056438.D

Acq: 21 Jun 2019 19:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 117460

Ion Ratio Lower Upper

56 100

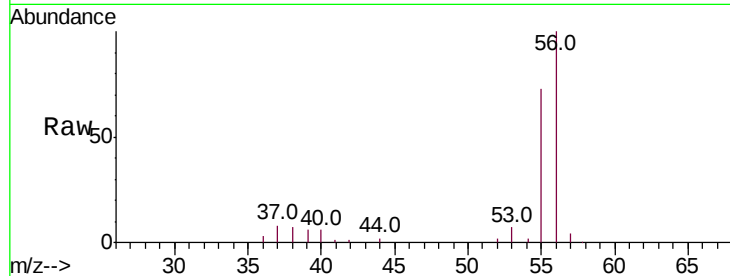
55 73.6 57.1 85.7

Manual Integrations

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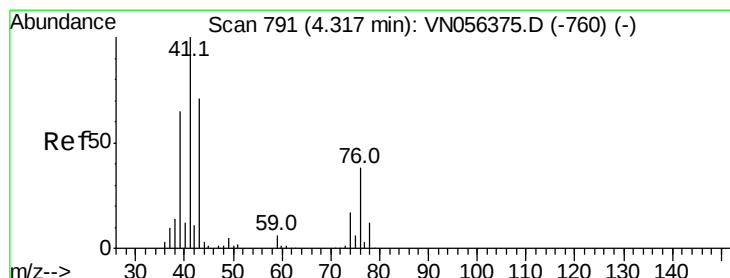
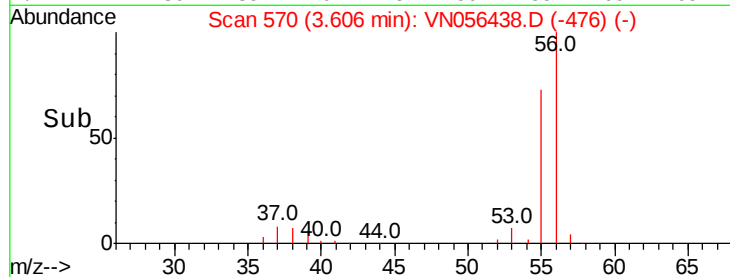
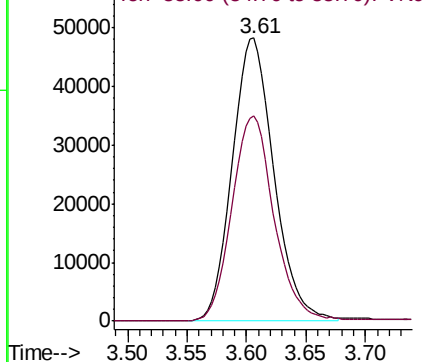
MMDadoda

6/24/2019 4:15:57 PM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 52.398 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN056438.D

Acq: 21 Jun 2019 19:57

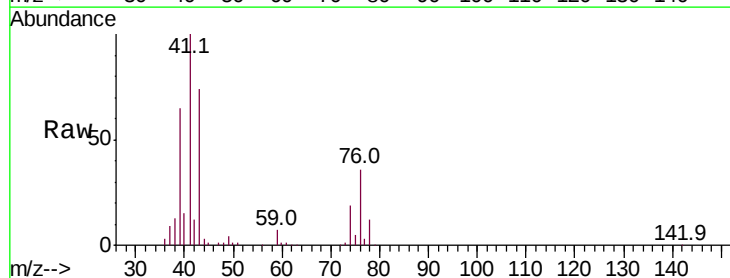
Tgt Ion: 41 Resp: 282749

Ion Ratio Lower Upper

41 100

39 60.5 48.6 73.0

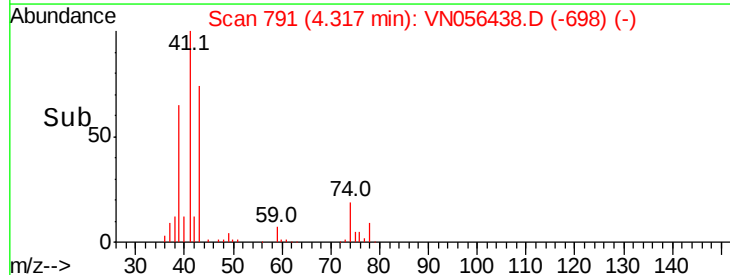
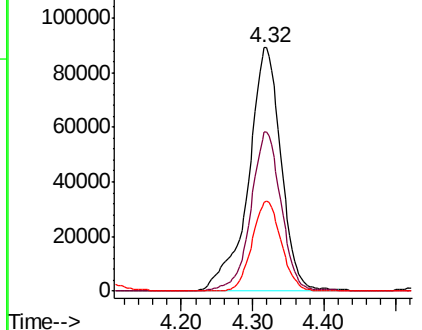
76 33.0 26.6 40.0

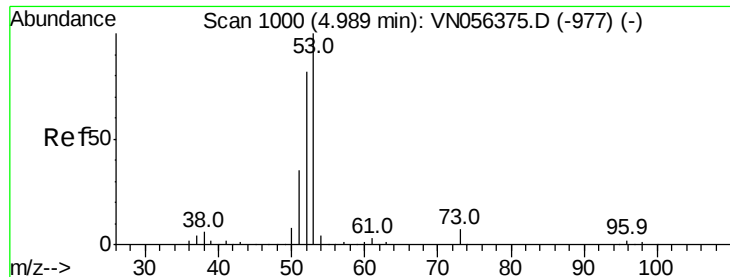


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





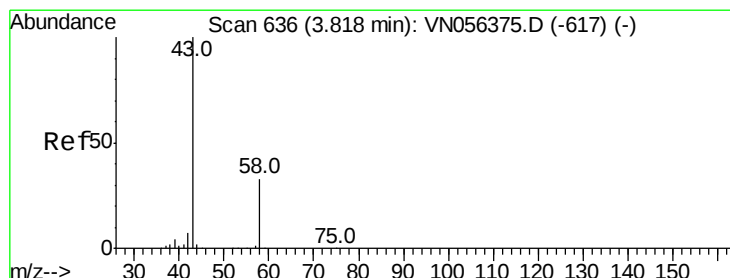
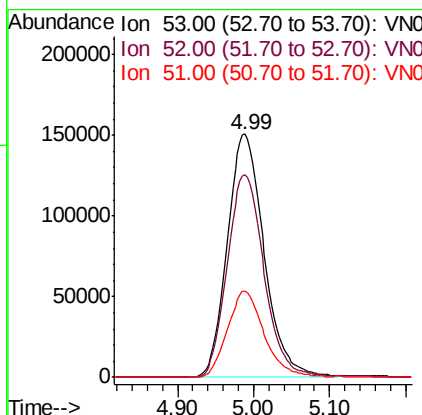
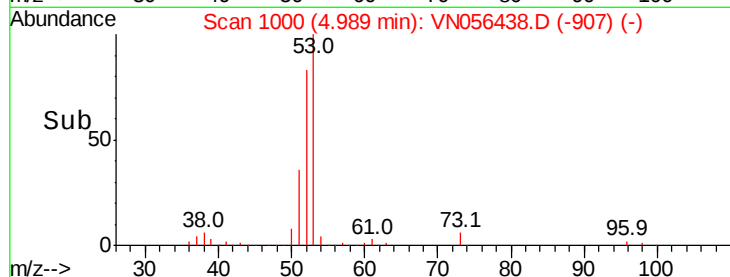
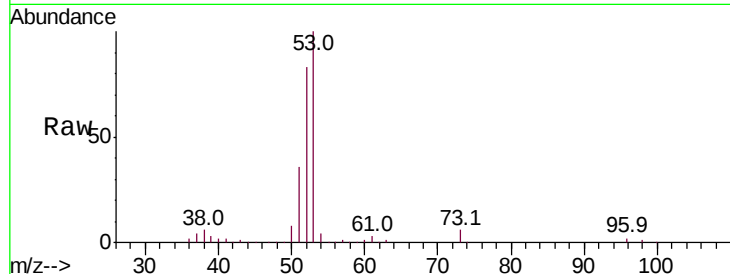
#15
 Acrylonitrile
 Concen: 267.984 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VN056438.D
 Acq: 21 Jun 2019 19:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	53	Resp	507834
Ion Ratio	Lower	Upper	
53	100		
52	83.7	65.9	98.9
51	35.5	28.3	42.5

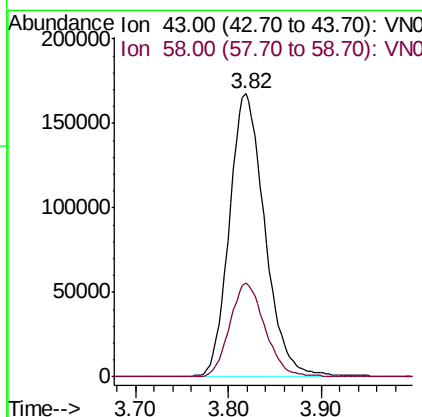
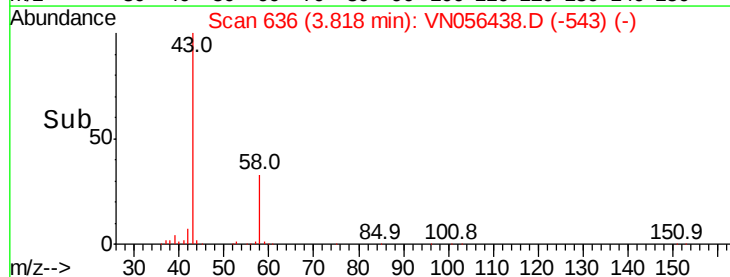
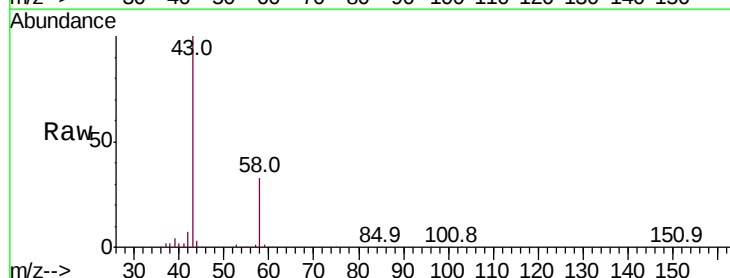
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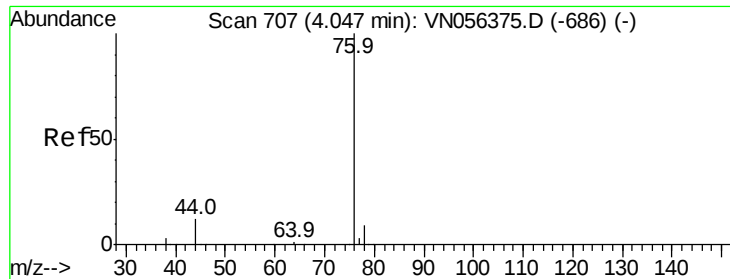
MMDadoda
 6/24/2019 4:15:57 PM



#16
 Acetone
 Concen: 216.160 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: VN056438.D
 Acq: 21 Jun 2019 19:57

Tgt Ion	43	Resp	440453
Ion Ratio	Lower	Upper	
43	100		
58	33.1	26.4	39.6





#17

Carbon Disulfide

Concen: 47.078 ug/l

RT: 4.05 min Scan# 708

Delta R.T. 0.00 min

Lab File: VN056438.D

Acq: 21 Jun 2019 19:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 347108

Ion Ratio Lower Upper

76 100

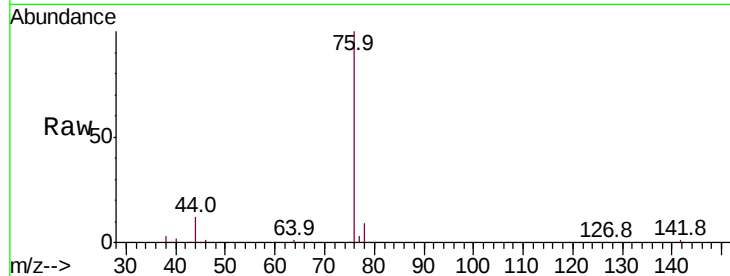
78 9.4 7.1 10.7

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC

4.05

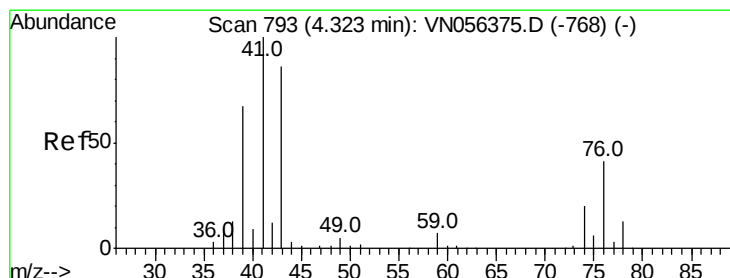
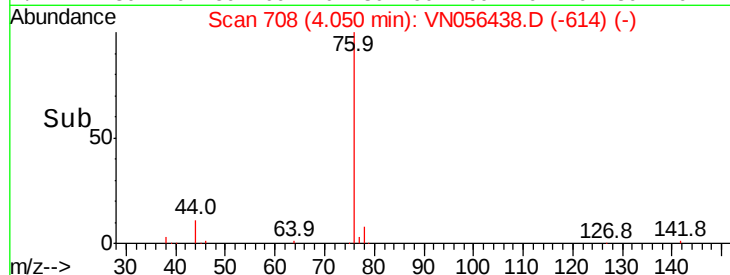
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 53.499 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN056438.D

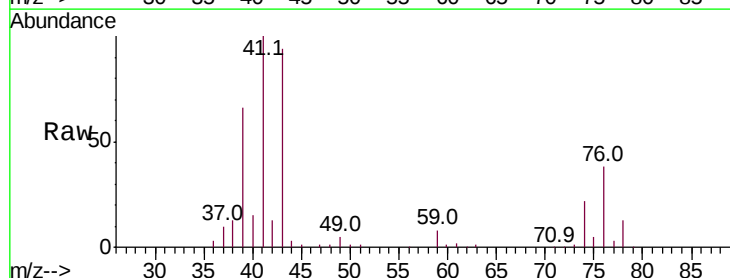
Acq: 21 Jun 2019 19:57

Tgt Ion: 43 Resp: 213264

Ion Ratio Lower Upper

43 100

74 24.4 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC

4.33

80000

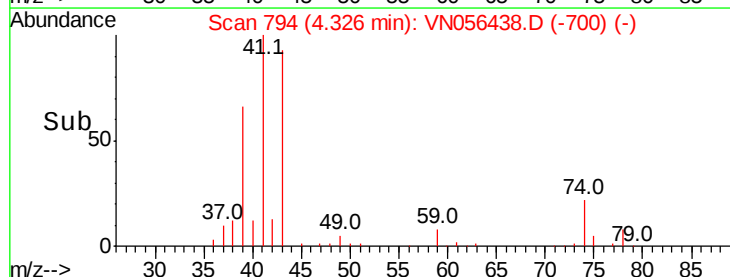
60000

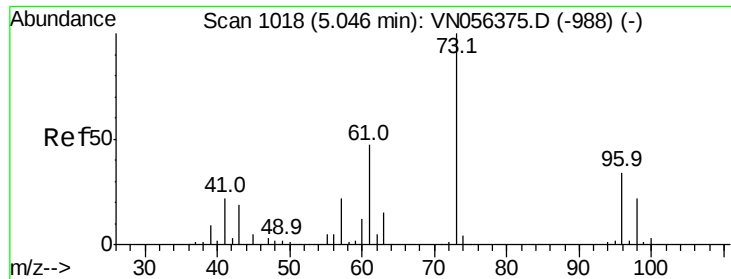
40000

20000

0

Time-->





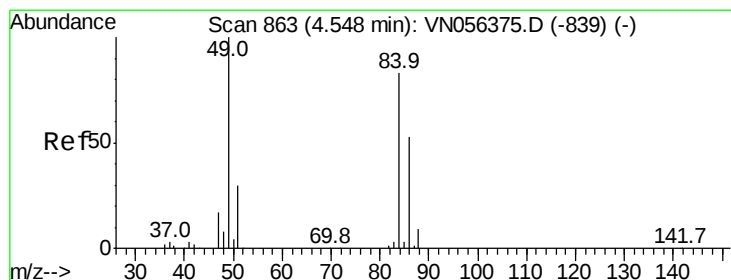
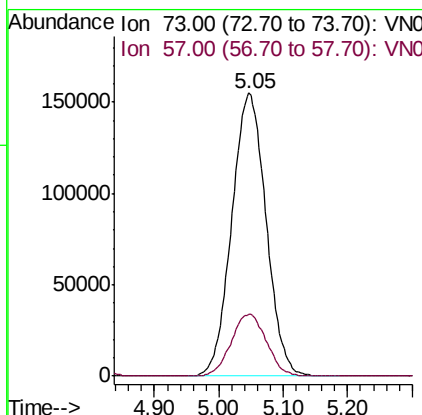
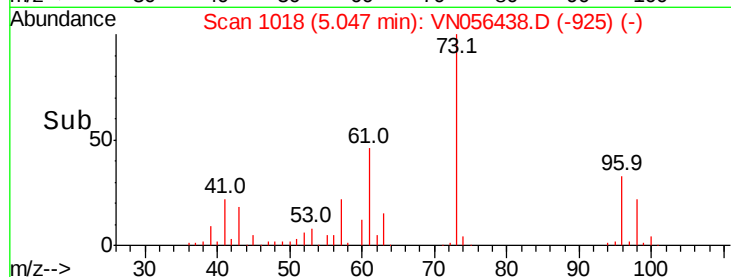
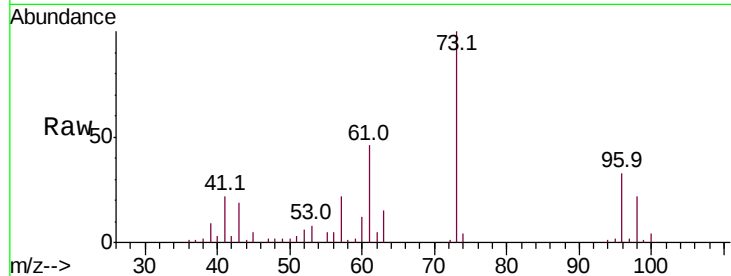
#19
Methyl tert-butyl Ether
Concen: 53.414 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN056438.D
Acq: 21 Jun 2019 19:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 572942
Ion Ratio Lower Upper
73 100
57 21.9 17.9 26.9

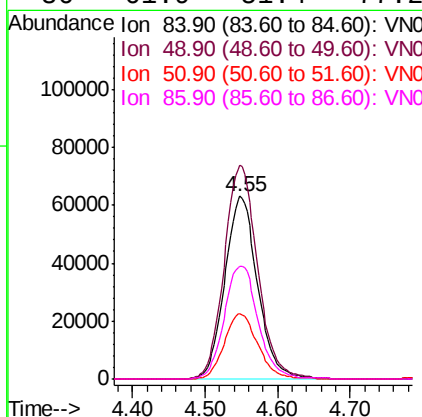
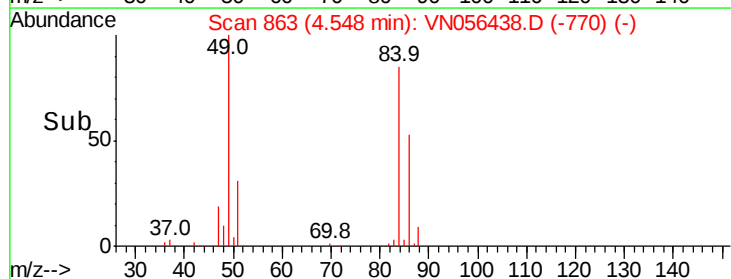
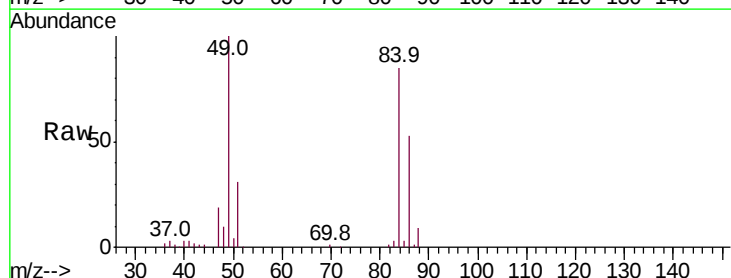
Manual Integrations
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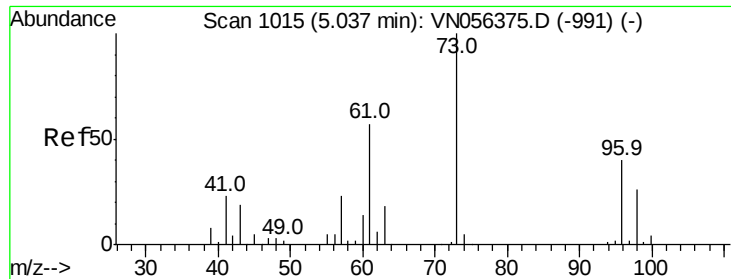
MMDadoda
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#20
Methylene Chloride
Concen: 51.663 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN056438.D
Acq: 21 Jun 2019 19:57

Tgt Ion: 84 Resp: 198333
Ion Ratio Lower Upper
84 100
49 116.8 96.4 144.6
51 35.8 28.6 43.0
86 61.9 51.4 77.2





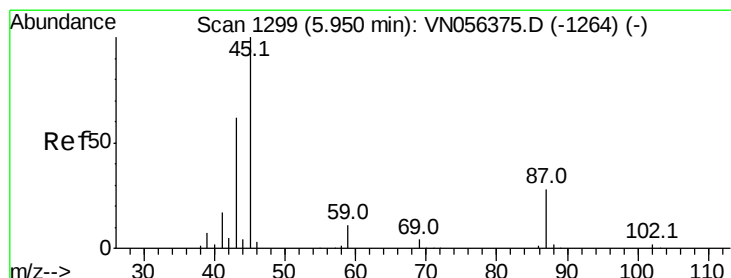
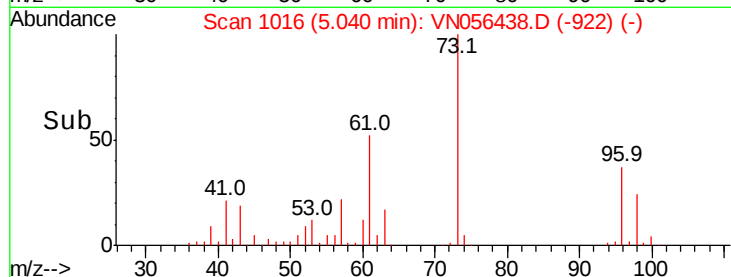
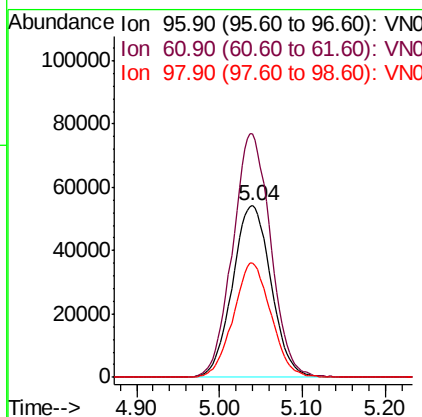
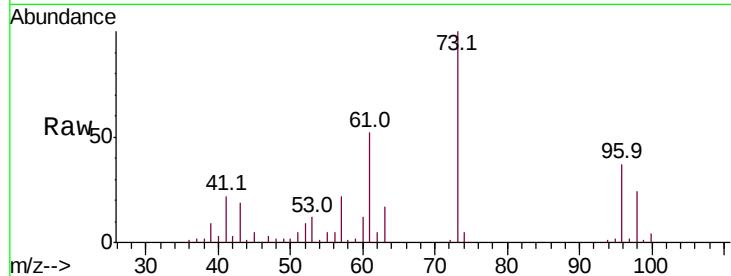
#21
trans-1,2-Dichloroethene
Concen: 50.265 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VN056438.D
Acq: 21 Jun 2019 19:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.8	113.0	169.6
98	66.6	52.2	78.2

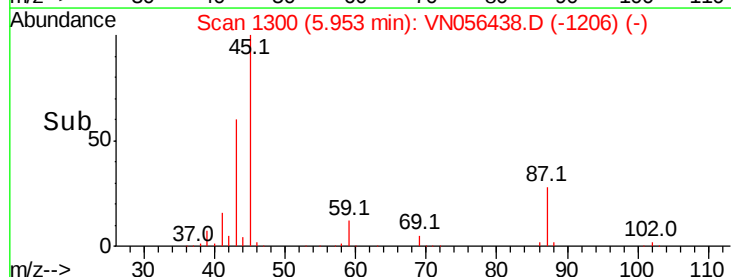
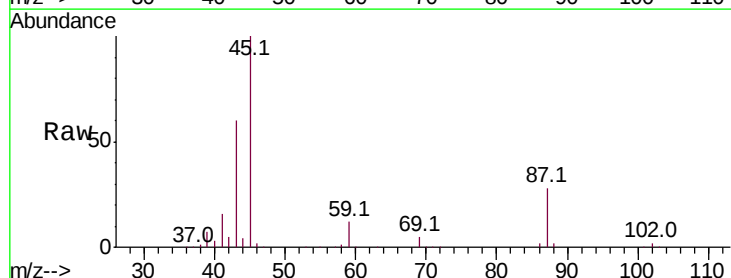
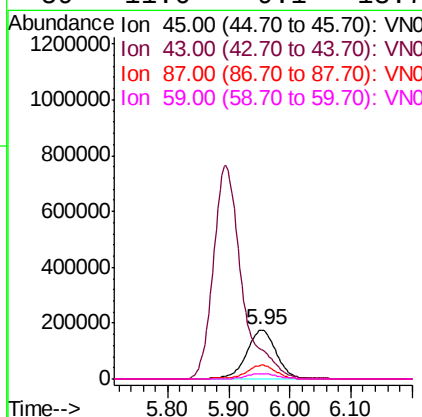
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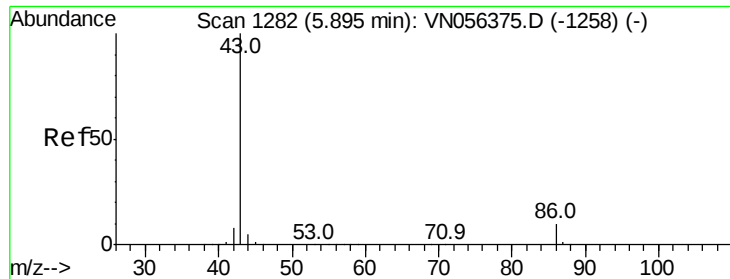
MMDadoda
6/24/2019 4:15:57 PM



#22
Diisopropyl ether
Concen: 52.889 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN056438.D
Acq: 21 Jun 2019 19:57

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.2	50.4	75.6
87	27.6	23.0	34.4
59	11.6	9.1	13.7





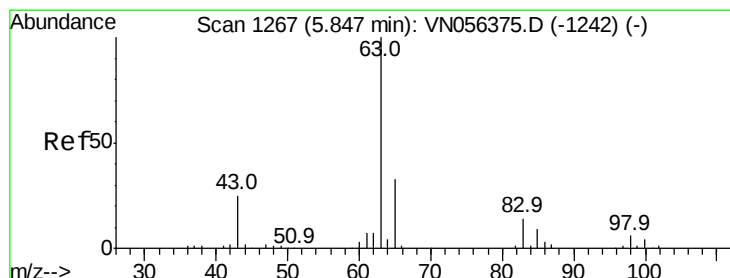
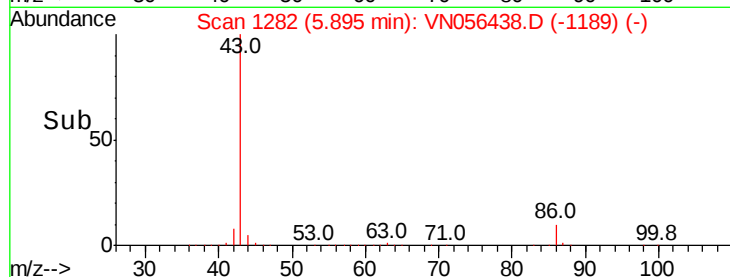
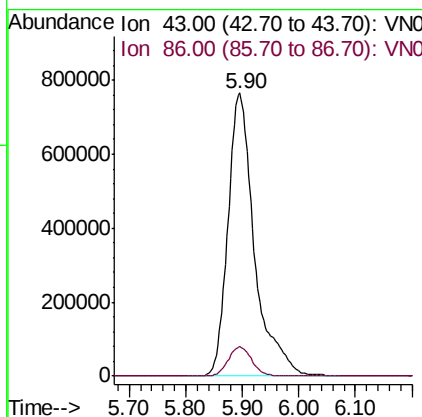
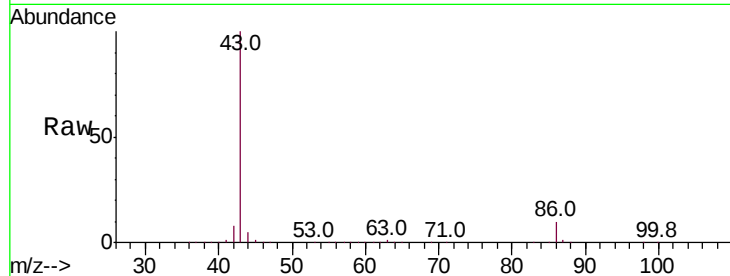
#23
 Vinyl Acetate
 Concen: 279.579 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN056438.D
 Acq: 21 Jun 2019 19:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 2498983
 Ion Ratio Lower Upper
 43 100
 86 10.4 8.3 12.5

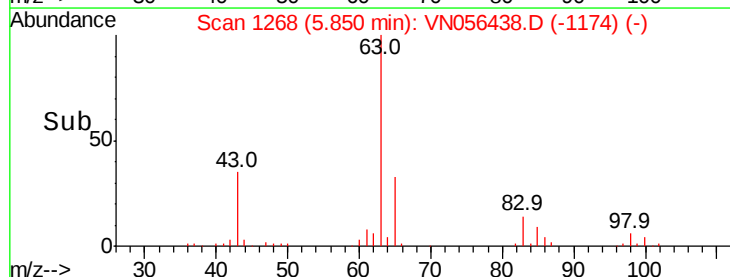
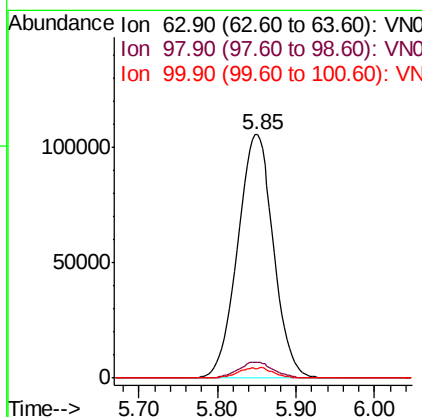
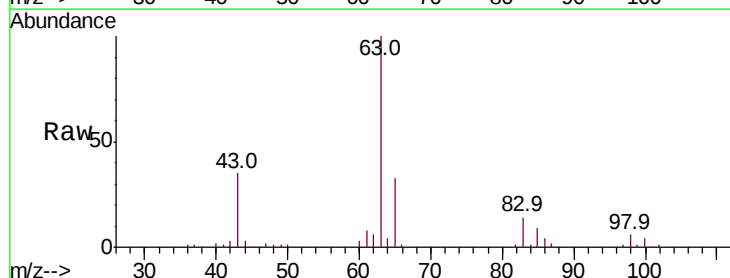
Manual Integrations
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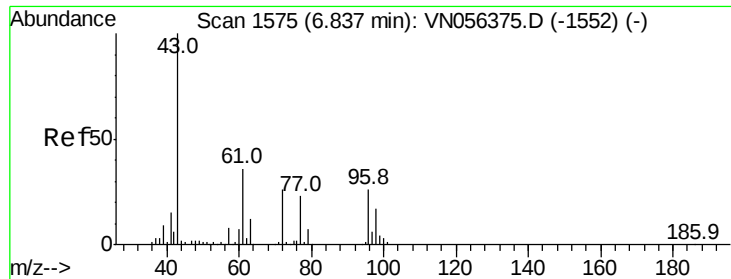
MMDadoda
 6/24/2019 4:15:57 PM



#24
 1,1-Dichloroethane
 Concen: 51.915 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN056438.D
 Acq: 21 Jun 2019 19:57

Tgt Ion: 63 Resp: 337719
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.2 9.6
 100 4.1 2.1 6.5





#25

2-Butanone

Concen: 255.537 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN056438.D

Acq: 21 Jun 2019 19:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 689135

Ion Ratio Lower Upper

43 100

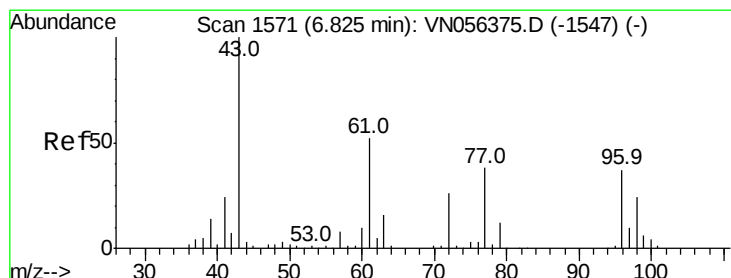
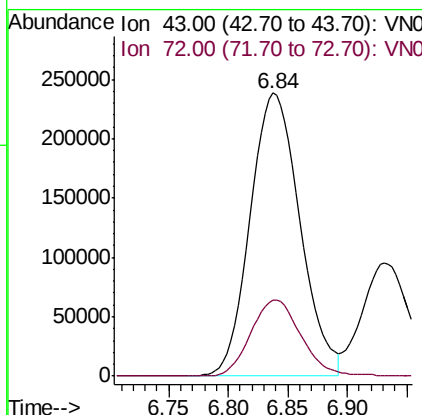
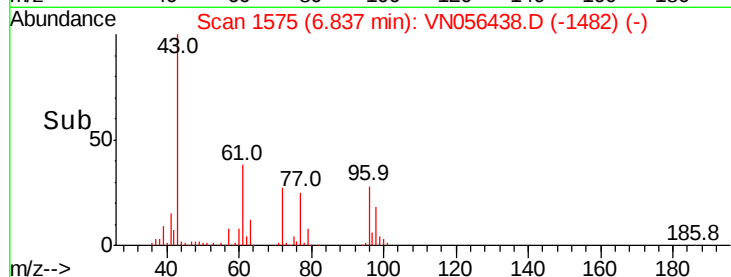
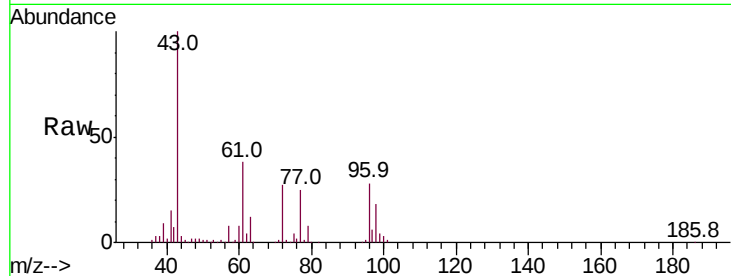
72 26.7 20.6 31.0

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 48.523 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN056438.D

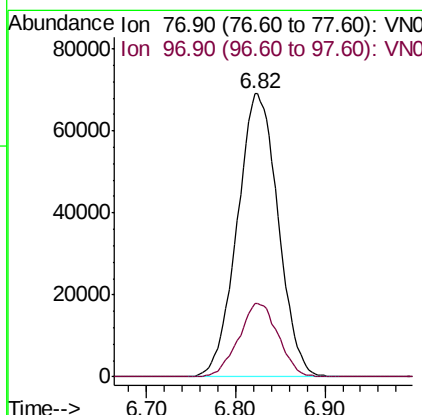
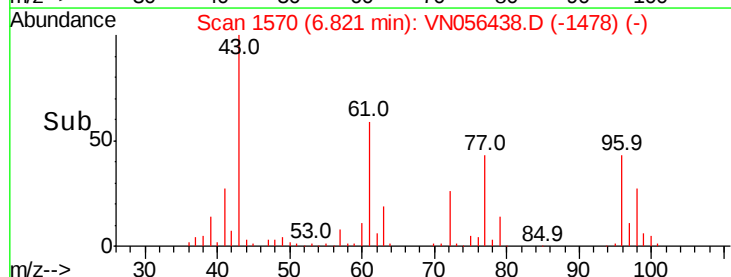
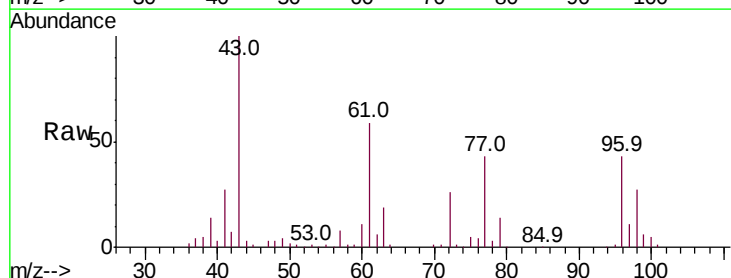
Acq: 21 Jun 2019 19:57

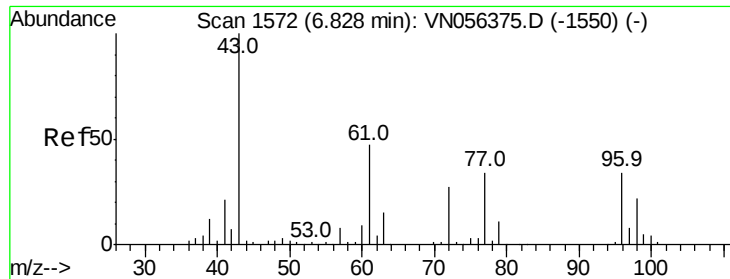
Tgt Ion: 77 Resp: 219541

Ion Ratio Lower Upper

77 100

97 25.0 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 52.625 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN056438.D

Acq: 21 Jun 2019 19:57

Instrument :

MSVOA_N

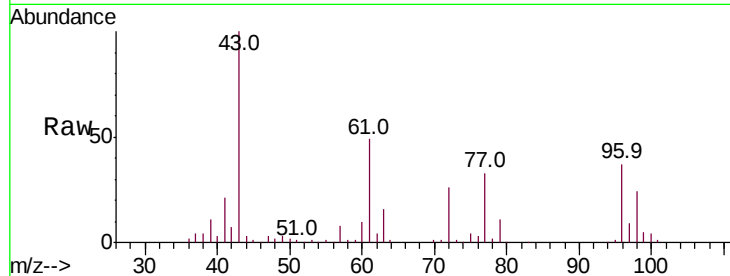
ClientSampleId :

VSTDCCC050EC

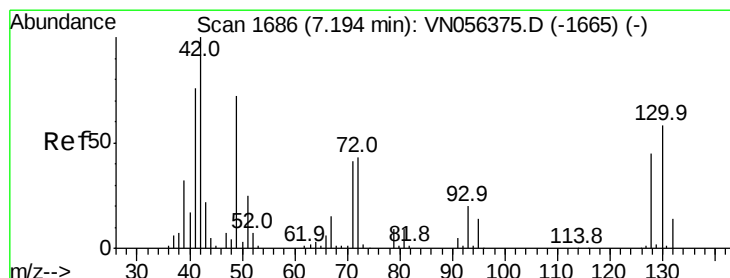
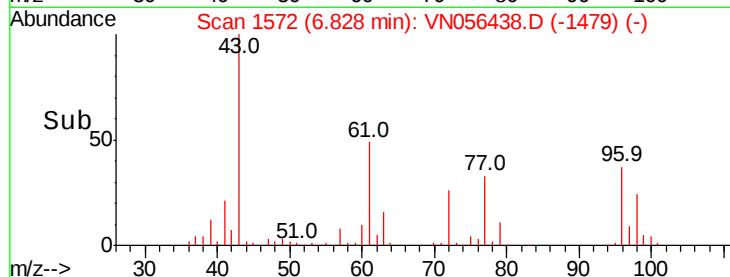
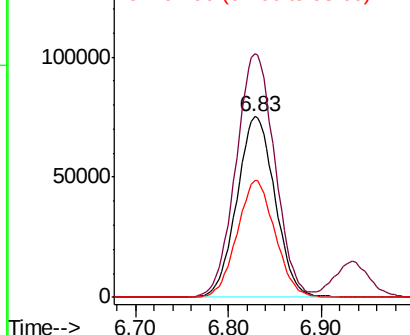
Tot Ion:	96	Resp:	215180
Ion	Ratio	Lower	Upper
96	100		
61	137.5	0.0	279.8
98	64.4	0.0	130.0

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Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO



#28

Bromochloromethane

Concen: 52.693 ug/l

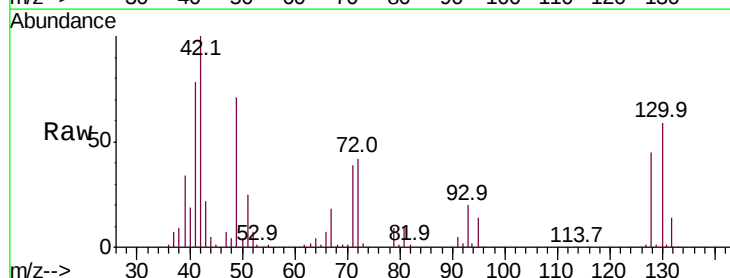
RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

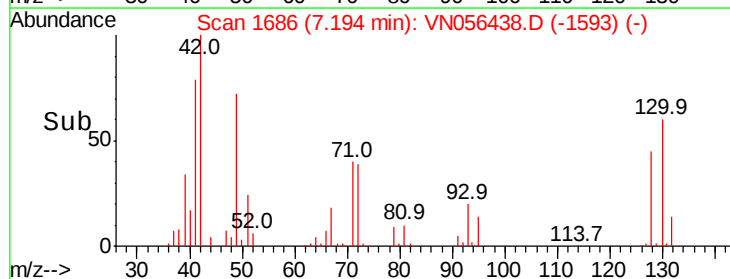
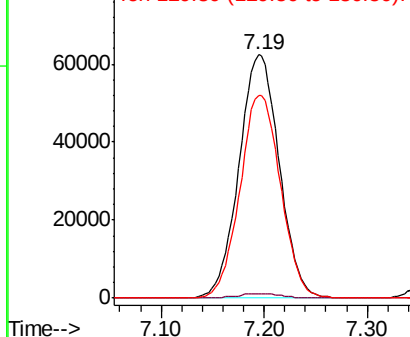
Lab File: VN056438.D

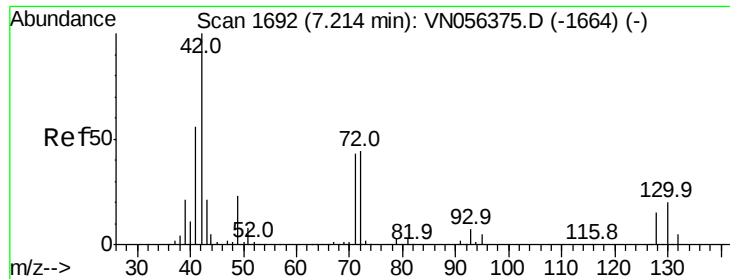
Acq: 21 Jun 2019 19:57

Tgt Ion:	49	Resp:	169549
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.2
130	83.8	64.9	97.3



Abundance Ion 48.90 (48.60 to 49.60): VNO
Ion 128.80 (128.50 to 129.50): VNO
Ion 129.80 (129.50 to 130.50): VNO





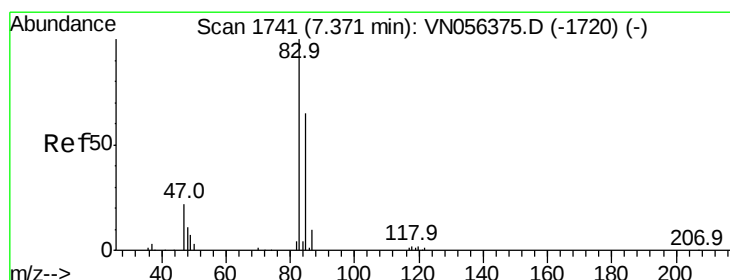
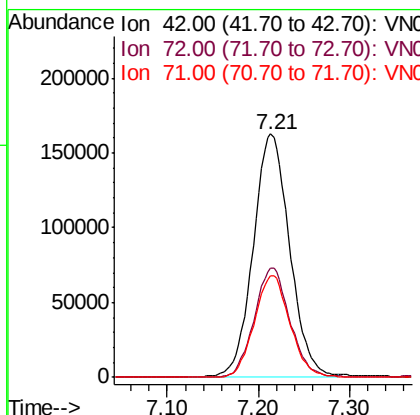
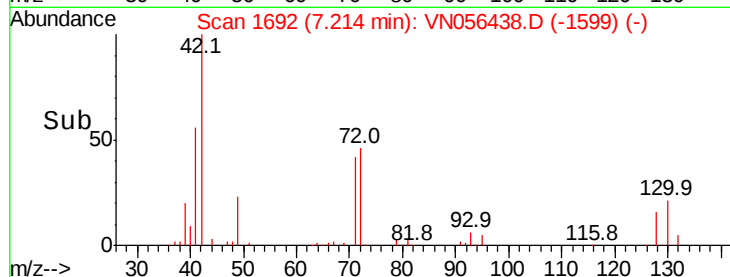
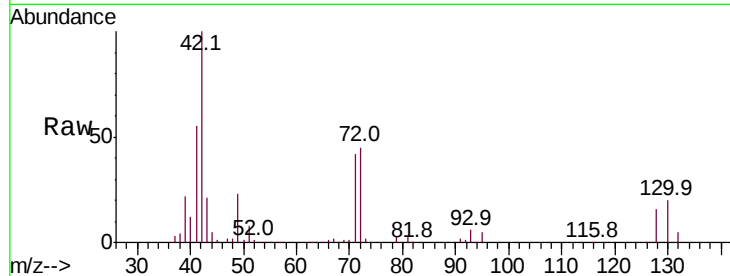
#29
Tetrahydrofuran
Concen: 273.669 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN056438.D
Acq: 21 Jun 2019 19:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.0	34.7	52.1
71	41.3	33.0	49.6

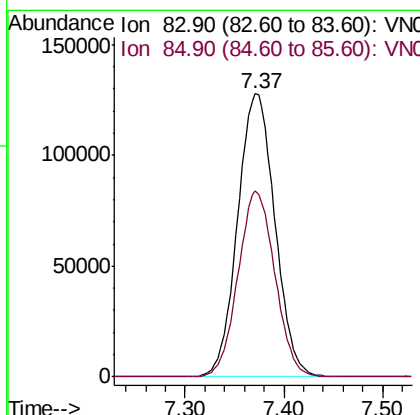
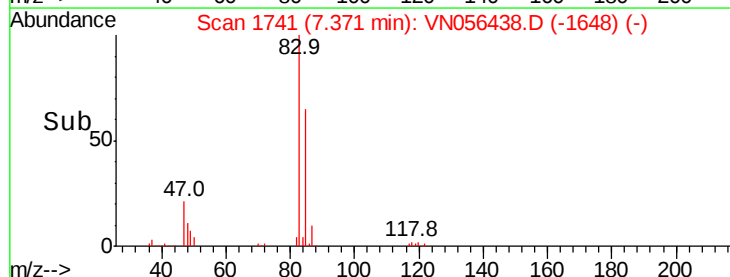
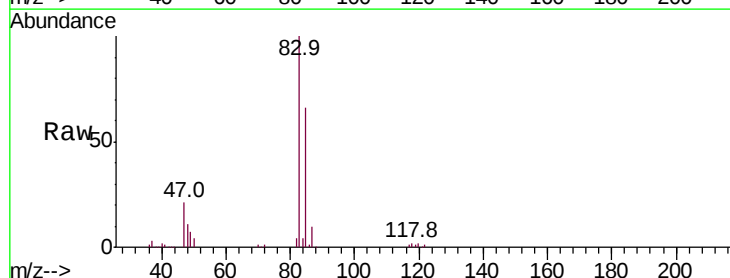
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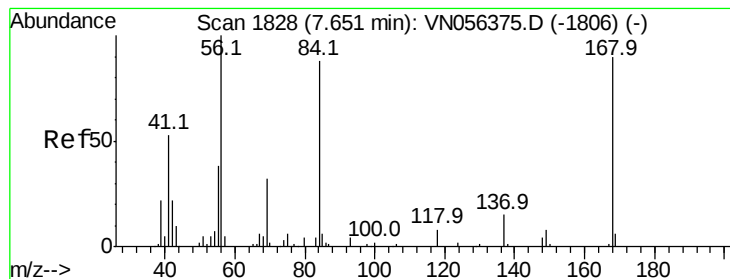
MMDadoda
6/24/2019 4:15:57 PM



#30
Chloroform
Concen: 52.116 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056438.D
Acq: 21 Jun 2019 19:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	52.3	78.5





#31

Cyclohexane

Concen: 47.413 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN056438.D

Acq: 21 Jun 2019 19:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 297765

Ion Ratio Lower Upper

56 100

69 33.0 25.8 38.6

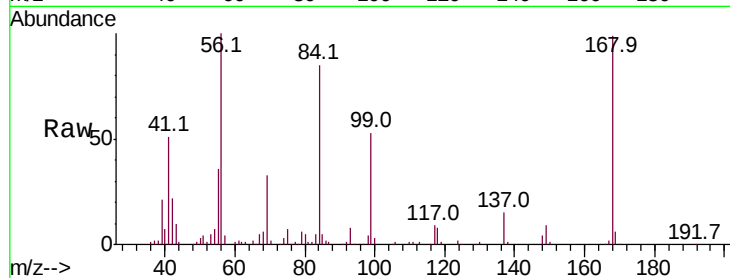
84 84.3 69.4 104.0

Manual Integrations

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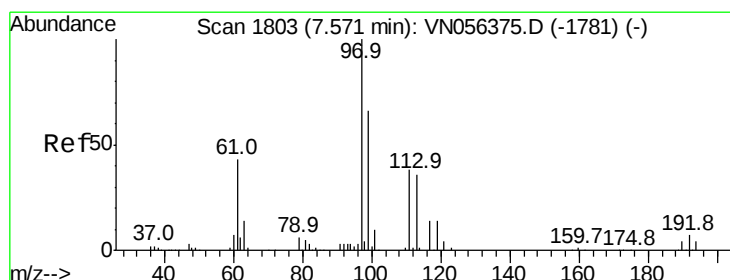
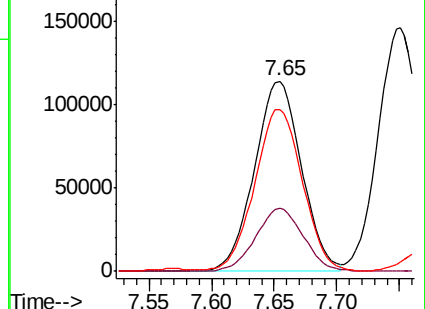
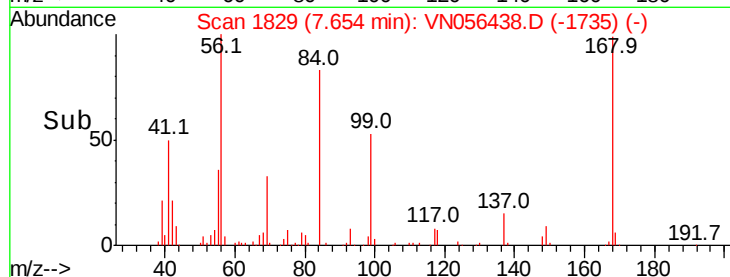
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Abundance Ion 56.00 (55.70 to 56.70): VN056438.D (-1735) (-)

Ion 69.00 (68.70 to 69.70): VN056438.D (-1735) (-)

Ion 84.00 (83.70 to 84.70): VN056438.D (-1735) (-)



#32

1,1,1-Trichloroethane

Concen: 53.453 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN056438.D

Acq: 21 Jun 2019 19:57

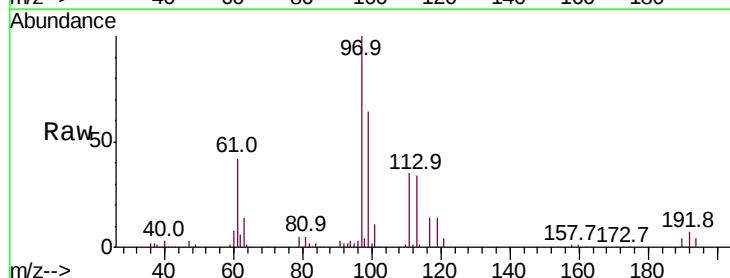
Tgt Ion: 97 Resp: 271974

Ion Ratio Lower Upper

97 100

99 64.0 51.8 77.6

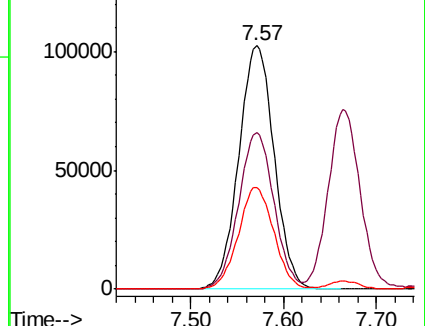
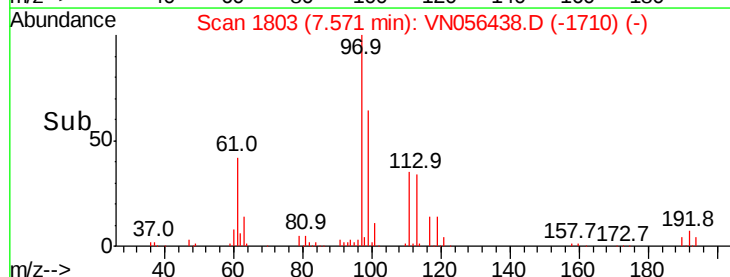
61 41.9 33.9 50.9

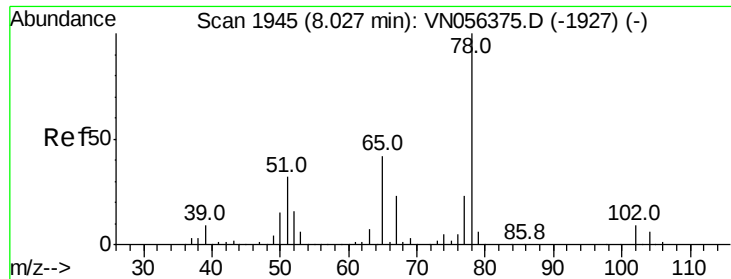


Abundance Ion 96.90 (96.60 to 97.60): VN056438.D (-1710) (-)

Ion 98.90 (98.60 to 99.60): VN056438.D (-1710) (-)

Ion 60.90 (60.60 to 61.60): VN056438.D (-1710) (-)





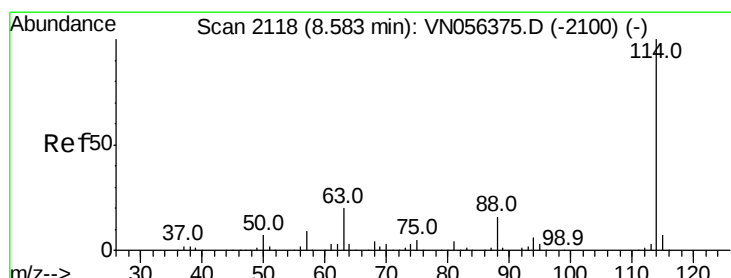
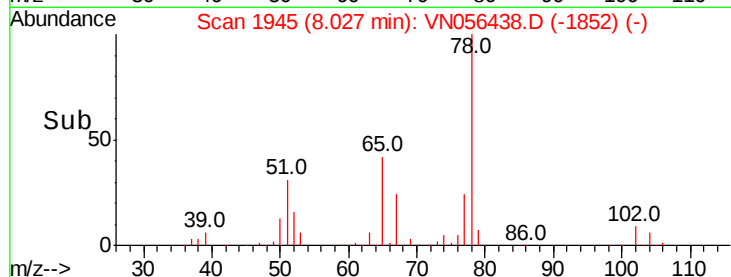
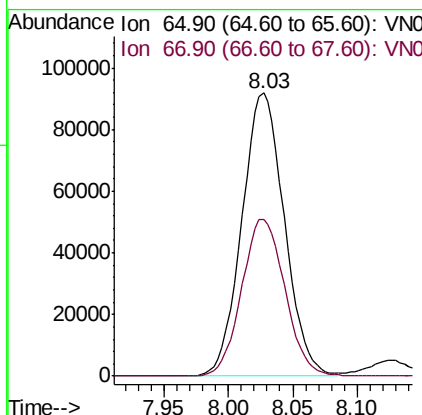
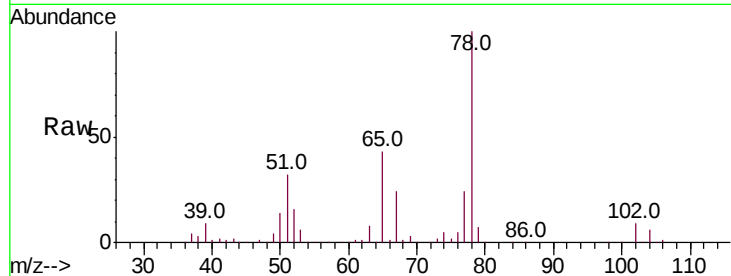
#33
 1,2-Dichloroethane-d4
 Concen: 51.975 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056438.D
 Acq: 21 Jun 2019 19:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	211382		
67	56.5	0.0	109.0	

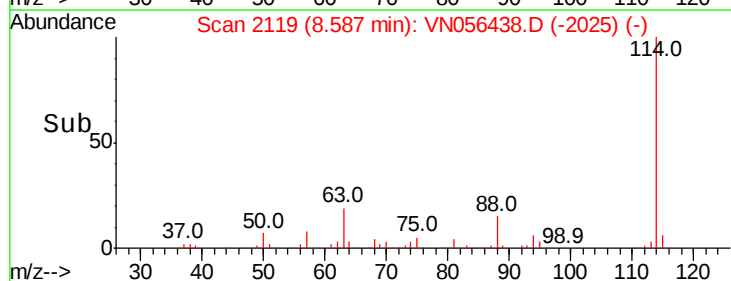
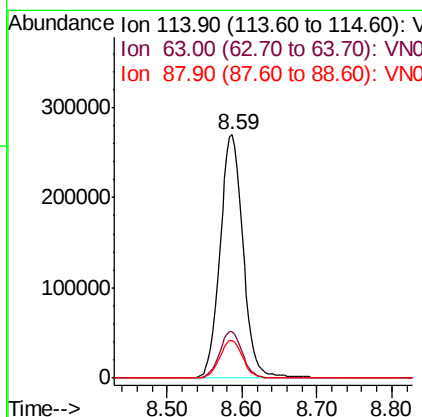
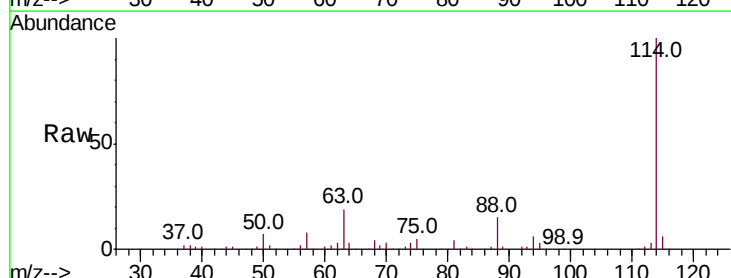
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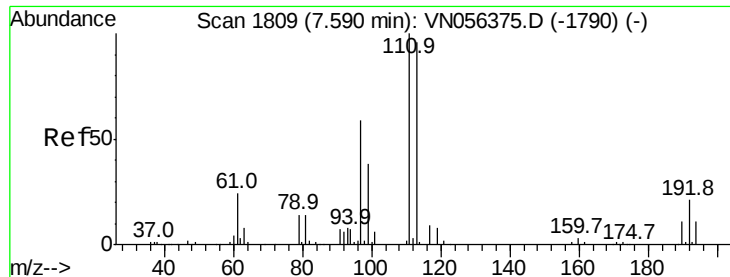
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056438.D
 Acq: 21 Jun 2019 19:57

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	573529		
63	19.1	0.0	39.2	
88	15.3	0.0	31.4	





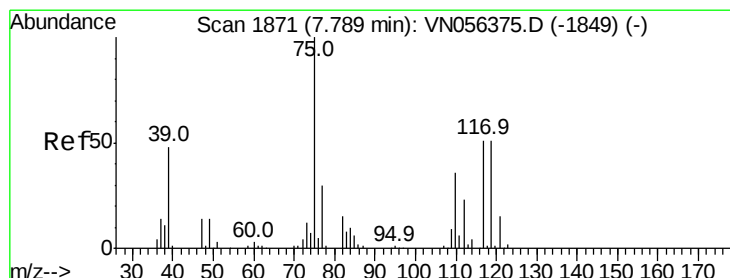
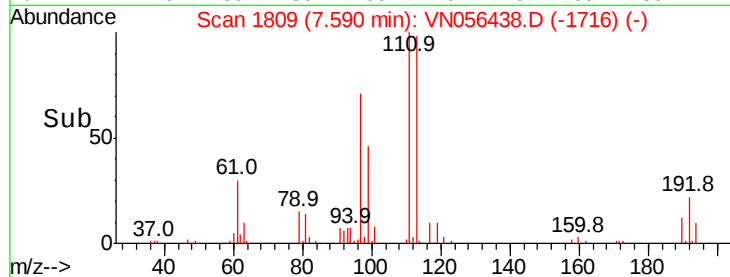
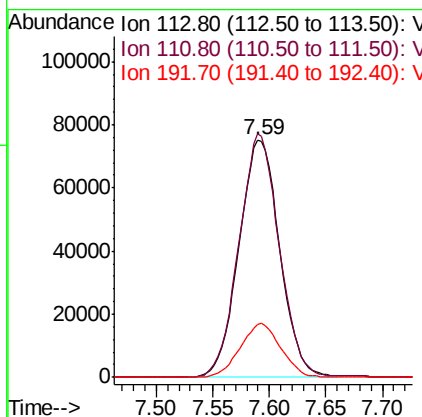
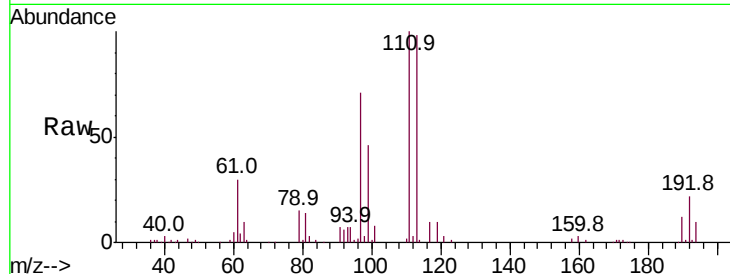
#35
 Dibromofluoromethane
 Concen: 52.708 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056438.D
 Acq: 21 Jun 2019 19:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.5	82.9	124.3
192	22.5	17.7	26.5

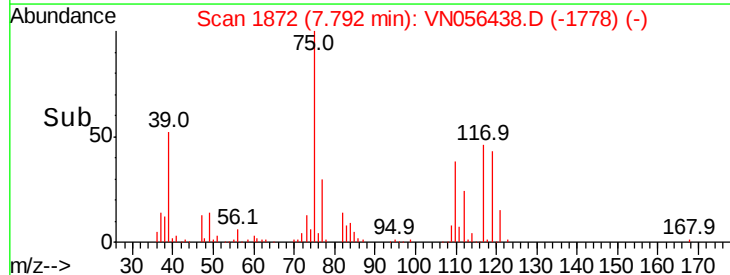
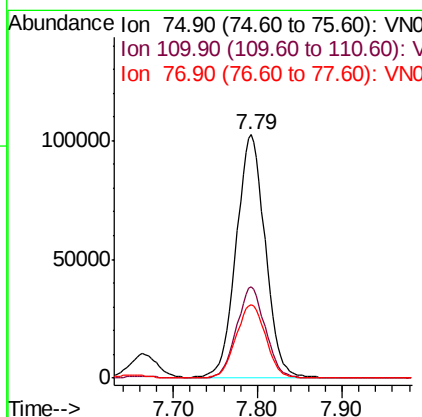
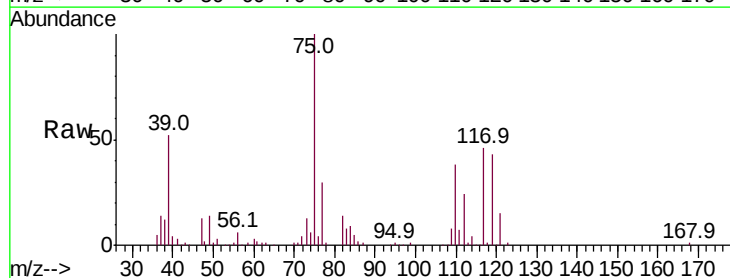
Manual Integrations
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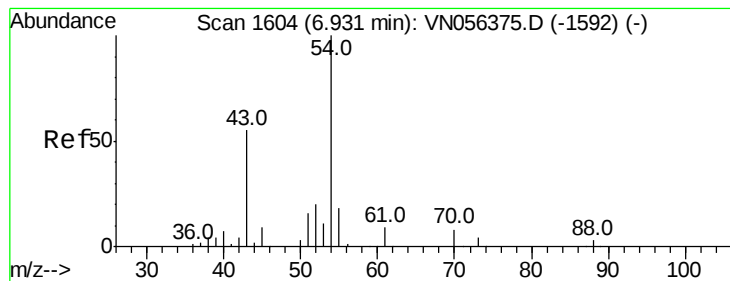
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#36
 1,1-Dichloropropene
 Concen: 48.580 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN056438.D
 Acq: 21 Jun 2019 19:57

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.2	18.1	54.3
77	31.2	24.6	36.8





#37

Ethyl Acetate

Concen: 53.488 ug/l

RT: 6.93 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VN056438.D

Acq: 21 Jun 2019 19:57

Instrument :

MSVOA_N

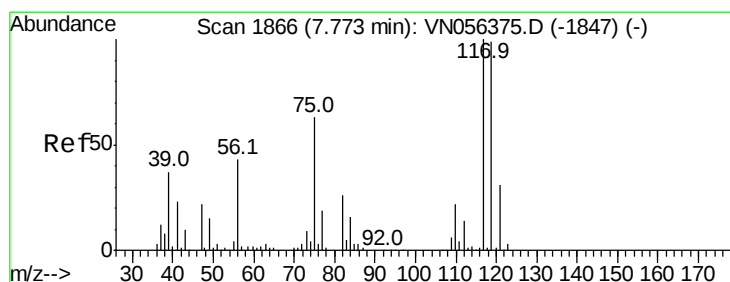
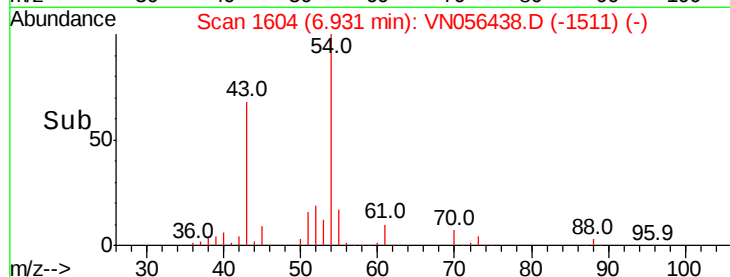
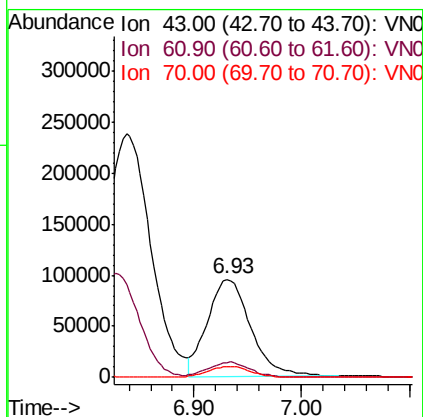
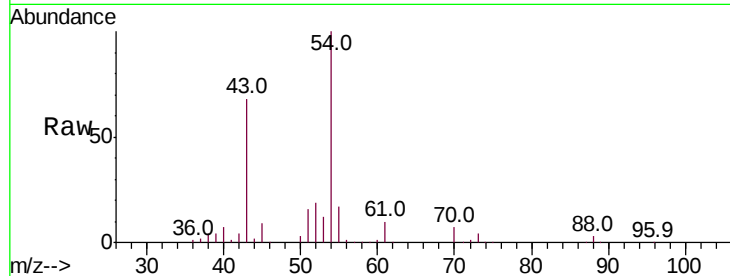
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	265351
Ion Ratio	Lower	Upper	
43	100		
61	14.4	11.1	16.7
70	10.9	8.3	12.5

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#38

Carbon Tetrachloride

Concen: 50.800 ug/l

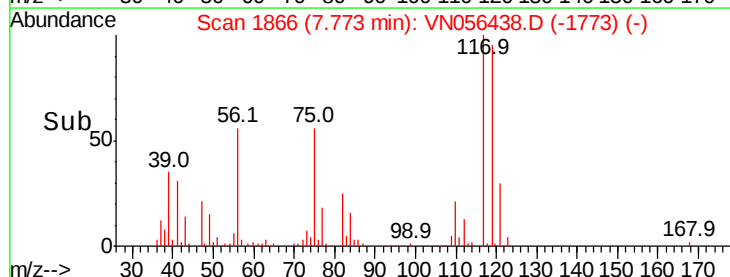
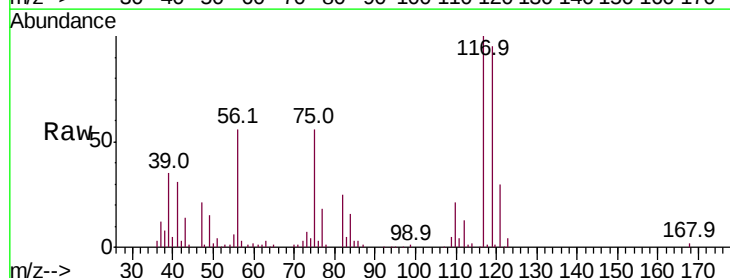
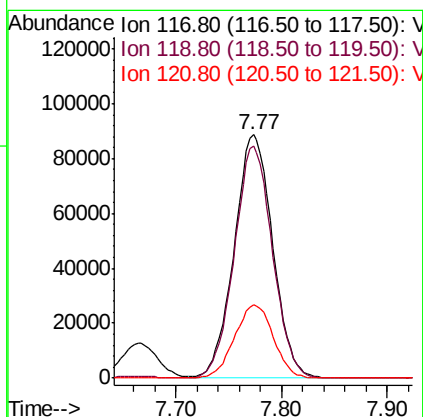
RT: 7.77 min Scan# 1866

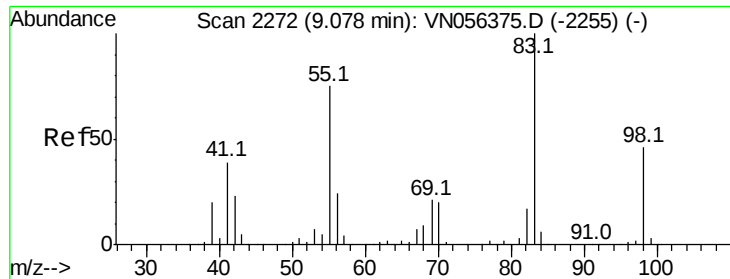
Delta R.T. 0.00 min

Lab File: VN056438.D

Acq: 21 Jun 2019 19:57

Tgt Ion:	117	Resp:	224255
Ion Ratio	Lower	Upper	
117	100		
119	95.2	79.1	118.7
121	29.9	24.8	37.2





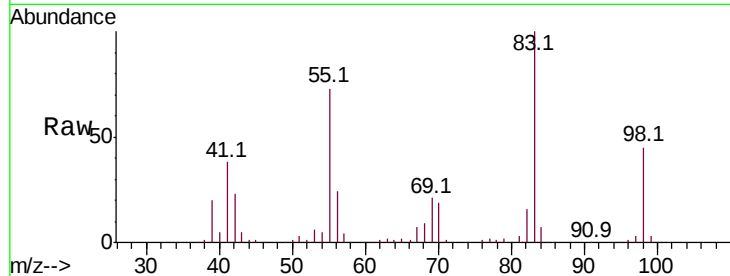
#39
Methvlcvclohexane
Concen: 46.861 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN056438.D
Acq: 21 Jun 2019 19:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

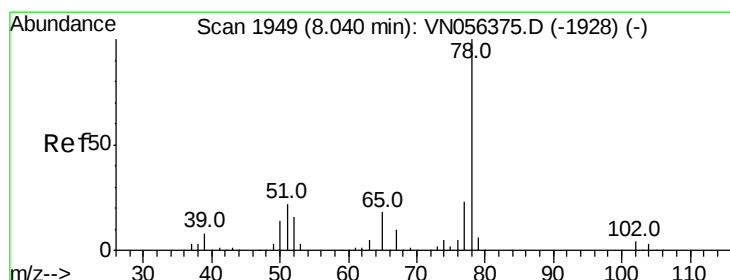
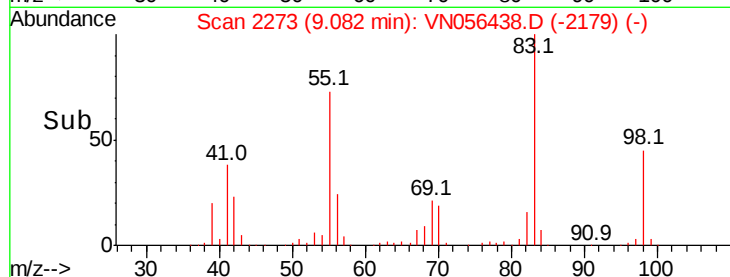
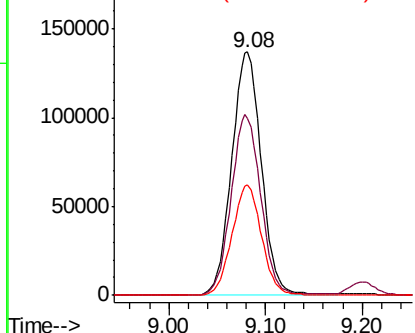
Tot Ion	Ratio	Resp	Lower	Upper
83	100	291894		
55	72.9	60.0	90.0	
98	45.3	36.6	54.8	

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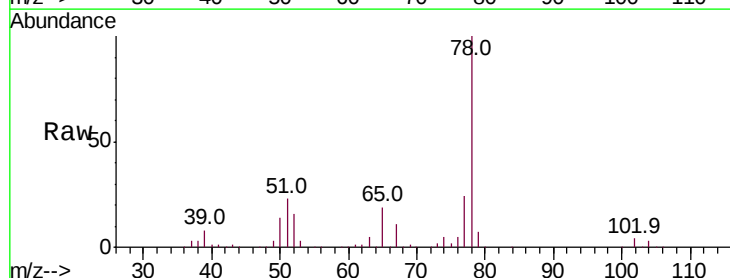


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

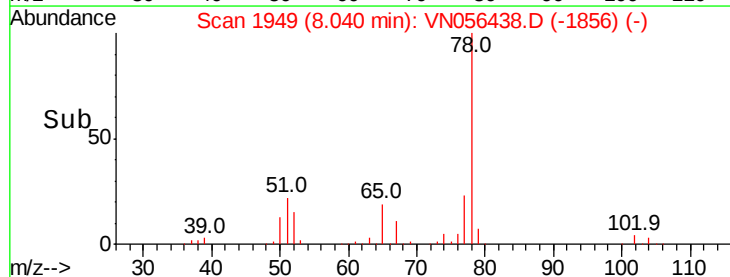
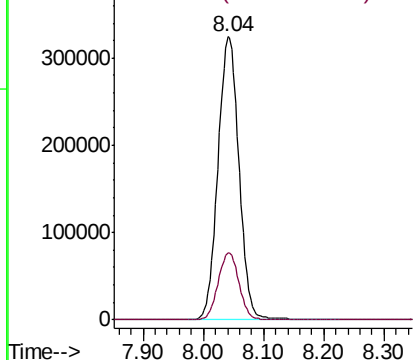


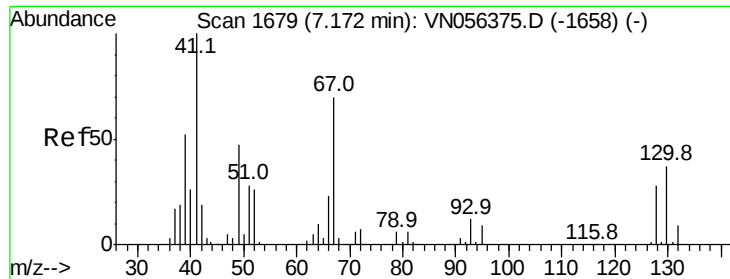
#40
Benzene
Concen: 50.097 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056438.D
Acq: 21 Jun 2019 19:57

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	777908		
77	23.6	18.3	27.5	



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





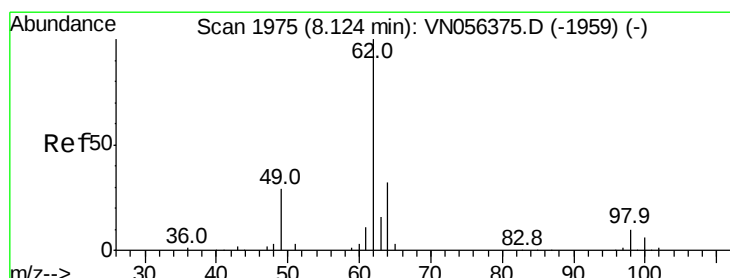
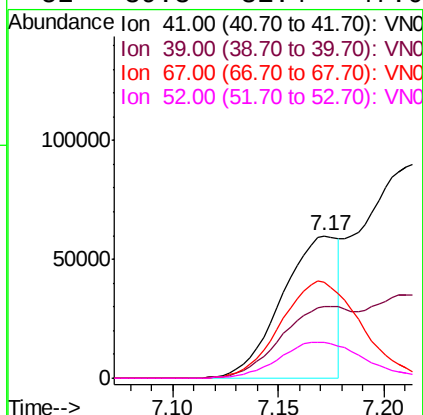
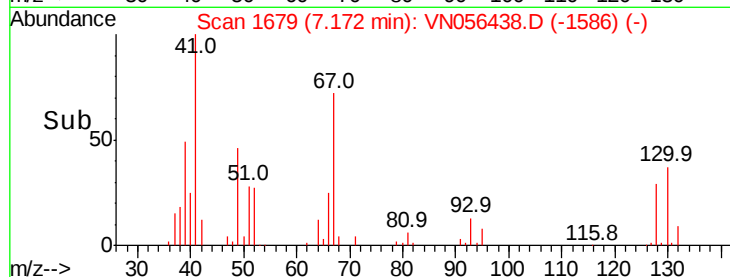
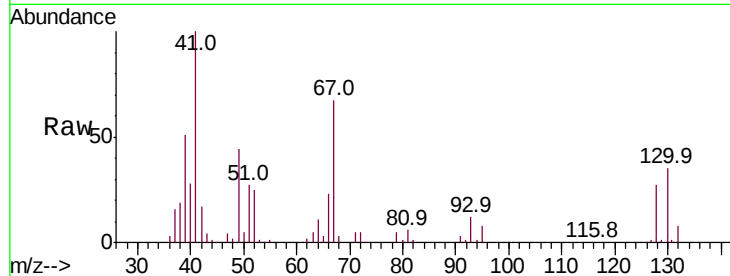
#41
Methacrylonitrile
Concen: 50.677 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN056438.D
Acq: 21 Jun 2019 19:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	66.2	55.3	82.9
67	98.6	79.2	118.8
52	39.3	31.4	47.0

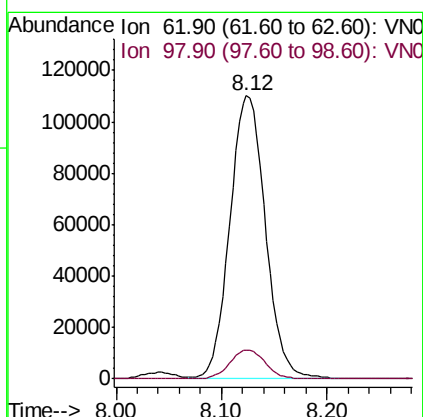
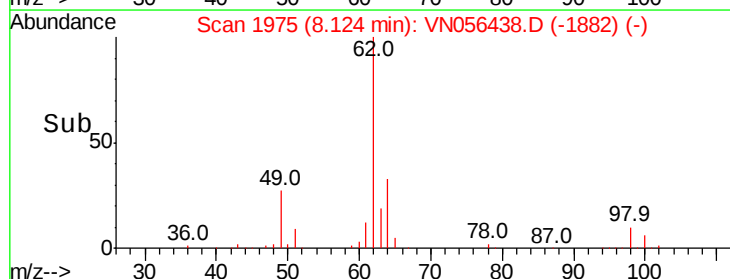
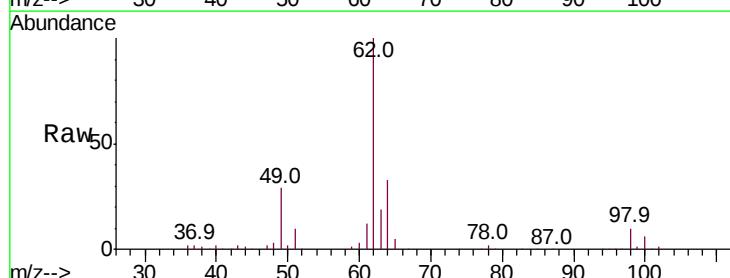
Manual Integrations
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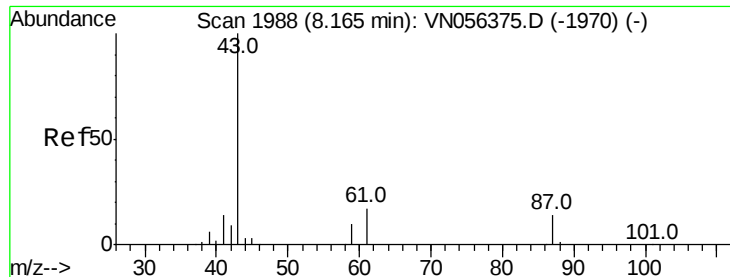
MMDadoda
6/24/2019 4:15:57 PM



#42
1,2-Dichloroethane
Concen: 49.970 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056438.D
Acq: 21 Jun 2019 19:57

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	19.4





#43

Isopropyl Acetate

Concen: 55.199 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056438.D

Acq: 21 Jun 2019 19:57

Instrument :

MSVOA_N

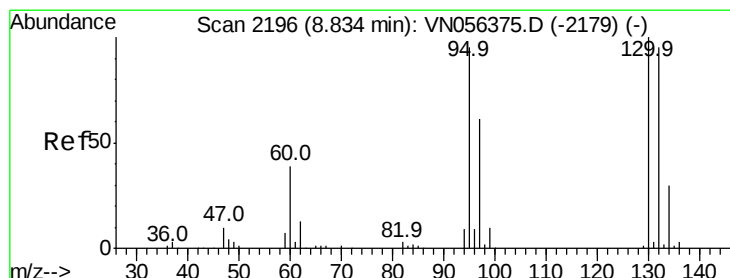
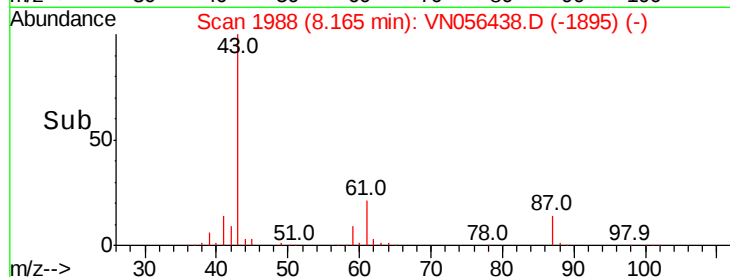
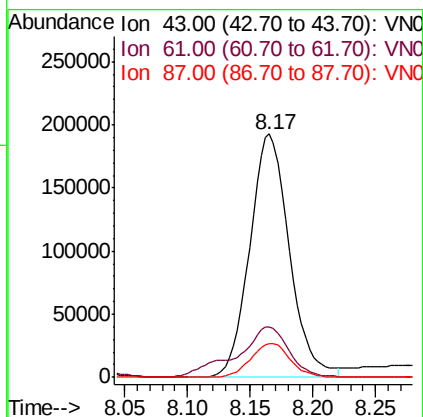
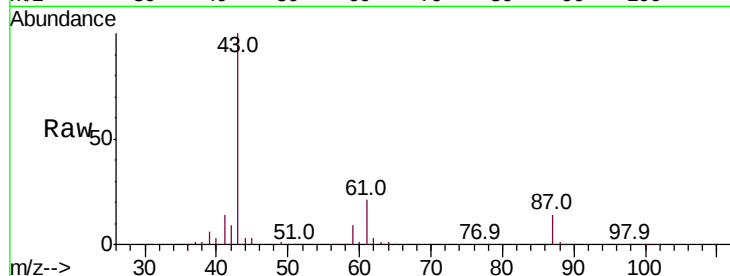
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	422251
Ion Ratio	Lower	Upper	
43	100		
61	27.4	22.0	33.0
87	13.9	11.0	16.4

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#44

Trichloroethene

Concen: 50.638 ug/l

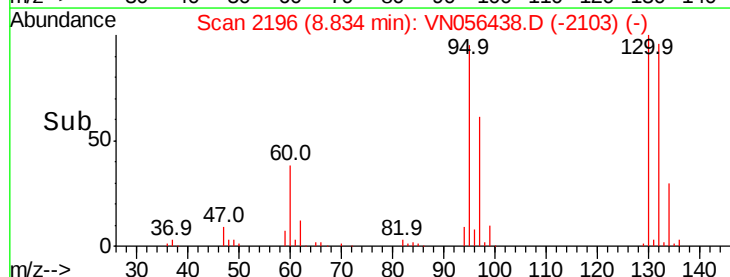
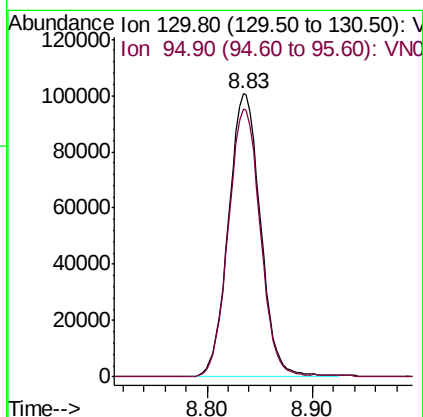
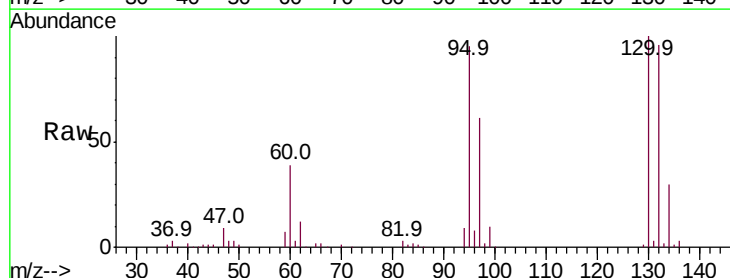
RT: 8.83 min Scan# 2196

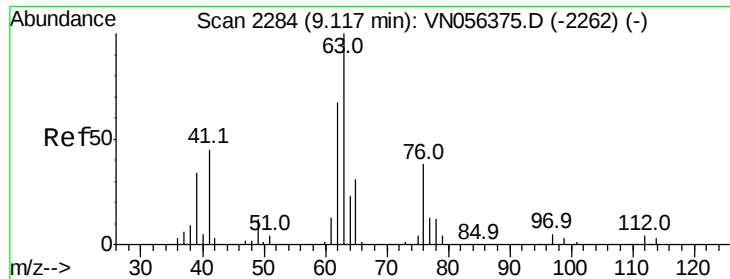
Delta R.T. 0.00 min

Lab File: VN056438.D

Acq: 21 Jun 2019 19:57

Tgt Ion:	130	Resp:	211809
Ion Ratio	Lower	Upper	
130	100		
95	94.7	0.0	191.0





#45

1,2-Dichloropropane

Concen: 51.430 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN056438.D

Acq: 21 Jun 2019 19:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 213573

Ion Ratio Lower Upper

63 100

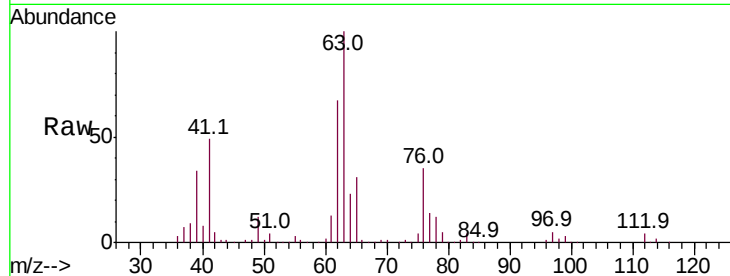
65 31.2 25.0 37.6

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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

120000

100000

80000

60000

40000

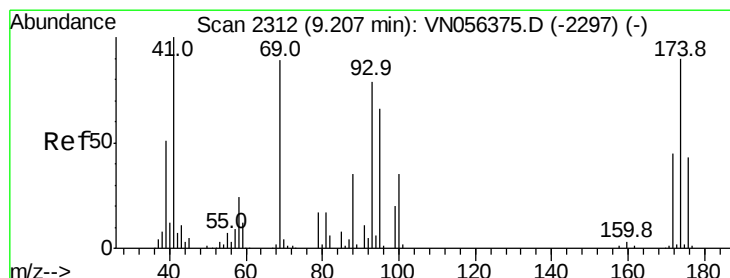
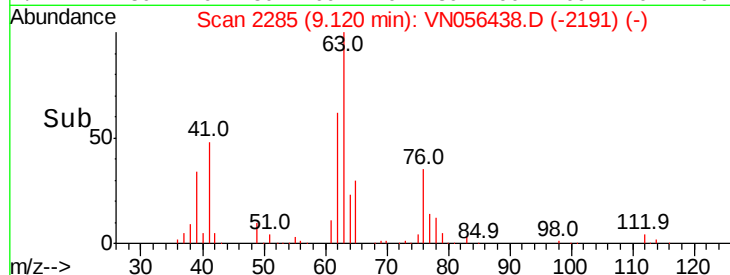
20000

0

9.00 9.10 9.20

9.12

Time-->



#46

Dibromomethane

Concen: 51.907 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN056438.D

Acq: 21 Jun 2019 19:57

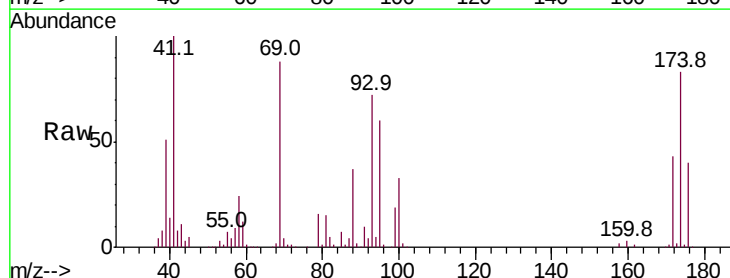
Tgt Ion: 93 Resp: 134859

Ion Ratio Lower Upper

93 100

95 83.7 66.2 99.2

174 116.1 90.8 136.2



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

100000

80000

60000

40000

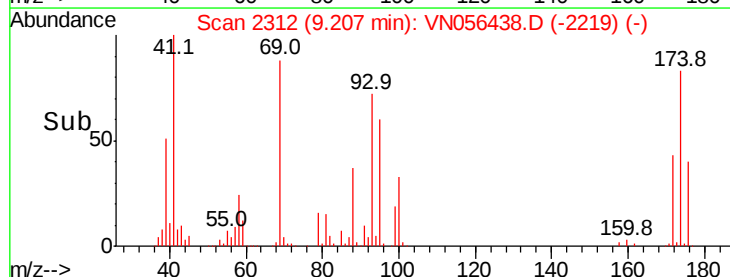
20000

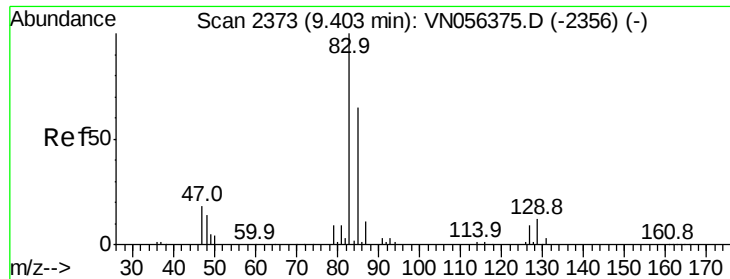
0

9.10 9.15 9.20 9.25 9.30

9.21

Time-->





#47

Bromodichloromethane

Concen: 53.489 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056438.D

Acq: 21 Jun 2019 19:57

Instrument :

MSVOA_N

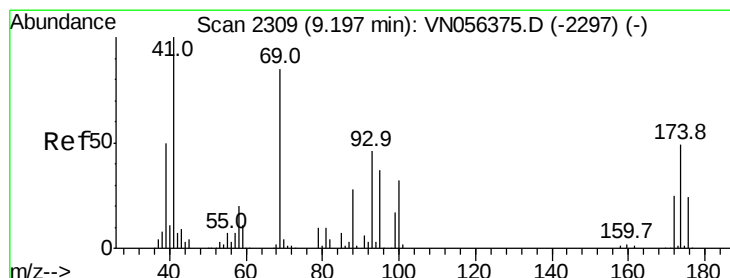
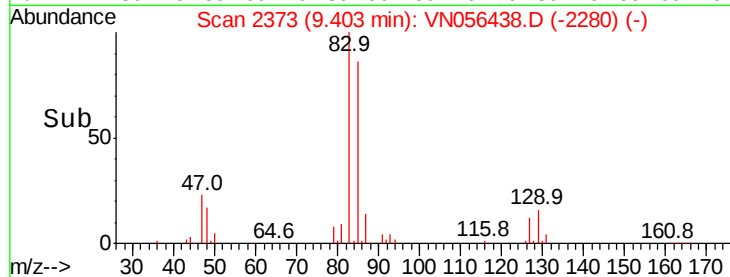
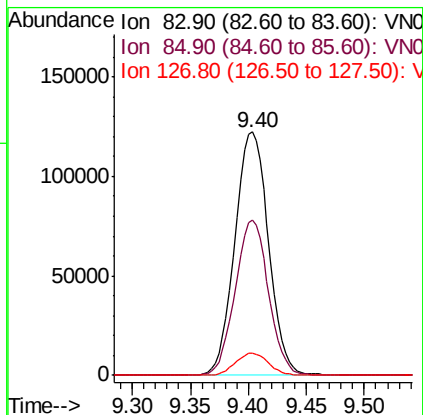
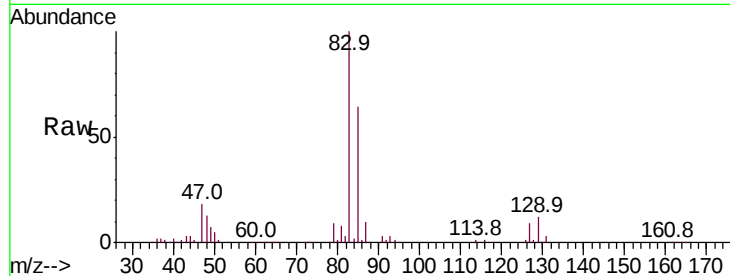
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	246474
Ion Ratio	Lower	Upper	
83	100		
85	64.0	52.2	78.4
127	9.0	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 54.017 ug/l

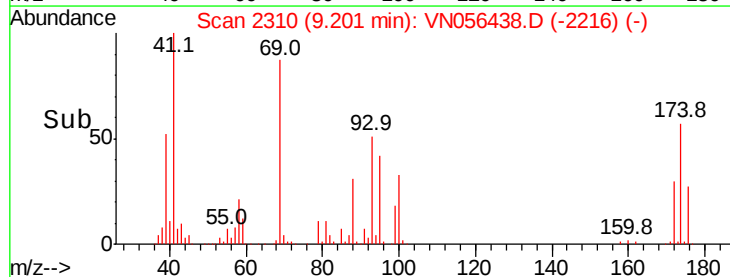
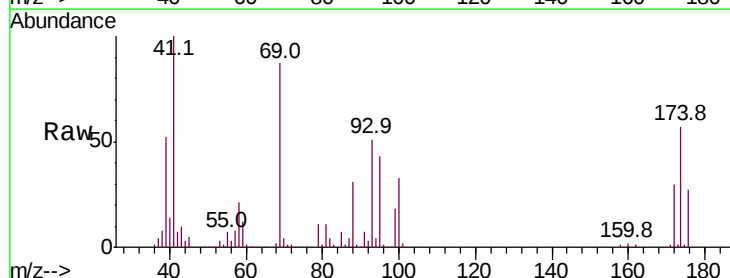
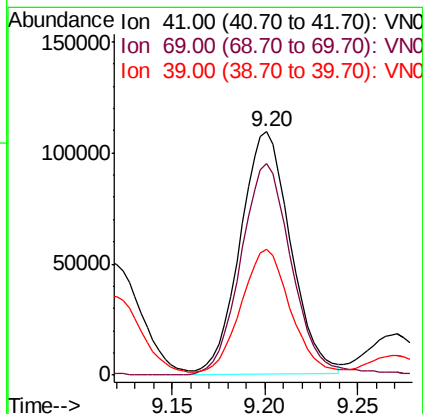
RT: 9.20 min Scan# 2310

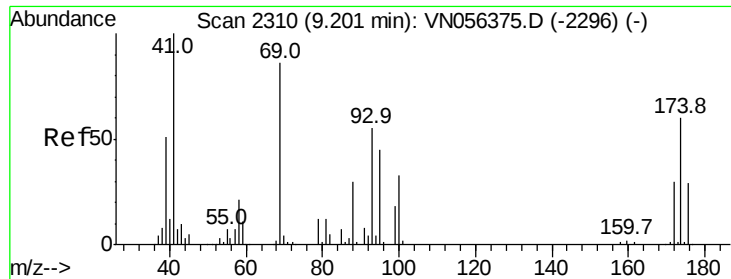
Delta R.T. 0.00 min

Lab File: VN056438.D

Acq: 21 Jun 2019 19:57

Tgt Ion:	41	Resp:	207068
Ion Ratio	Lower	Upper	
41	100		
69	88.5	72.6	109.0
39	51.0	42.6	63.8





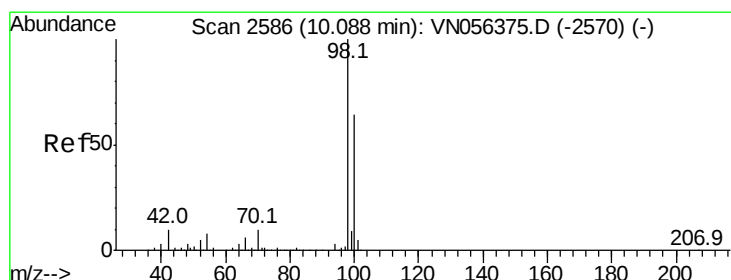
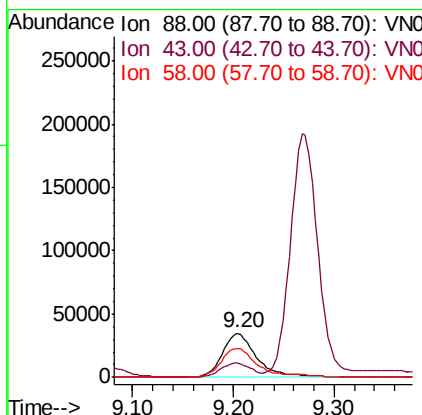
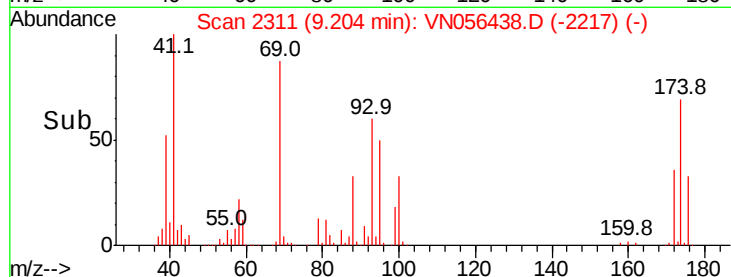
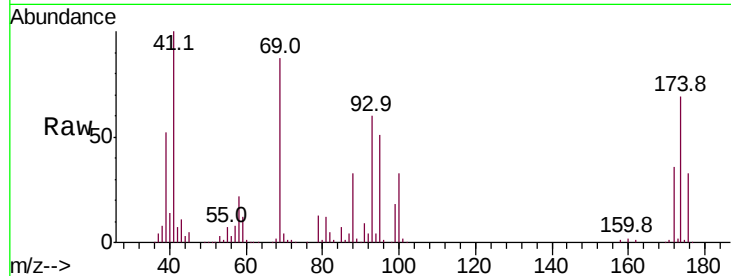
#49
1,4-Dioxane
Concen: 1048.503 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN056438.D
Acq: 21 Jun 2019 19:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	83410
Ion	Ratio	Lower	Upper
88	100		
43	26.8	22.0	33.0
58	71.6	51.8	77.8

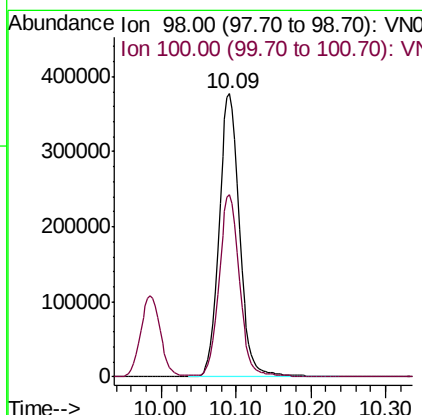
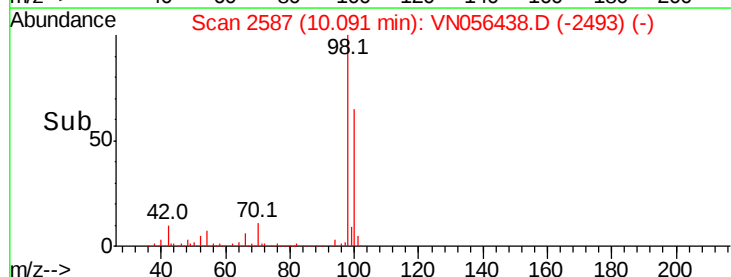
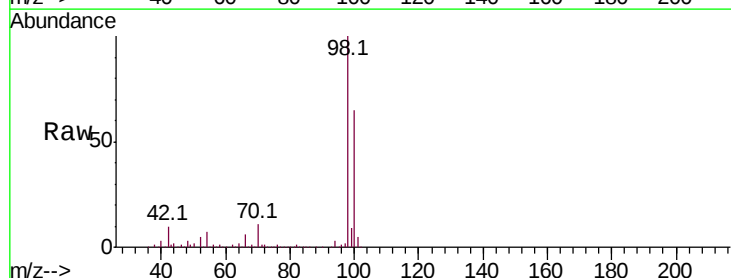
Manual Integrations
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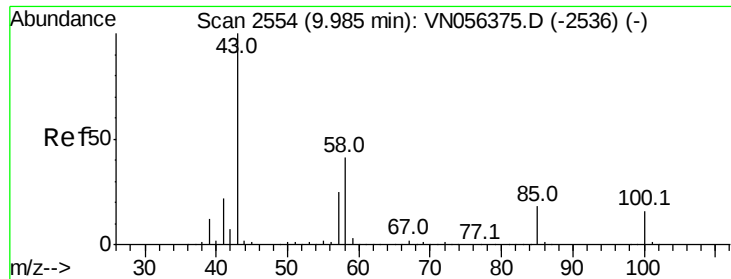
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#50
Toluene-d8
Concen: 51.195 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN056438.D
Acq: 21 Jun 2019 19:57

Tgt Ion	98	Resp	712721
Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 268.964 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056438.D

Acq: 21 Jun 2019 19:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1327978

Ion Ratio Lower Upper

43 100

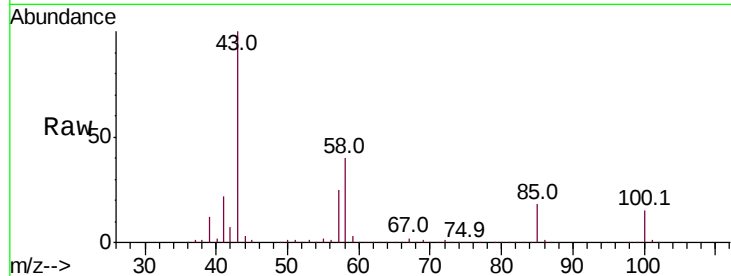
58 39.8 31.8 47.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

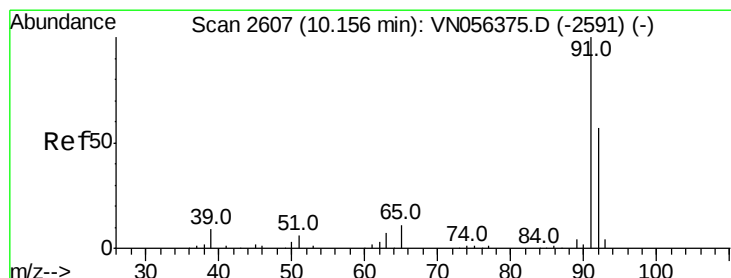
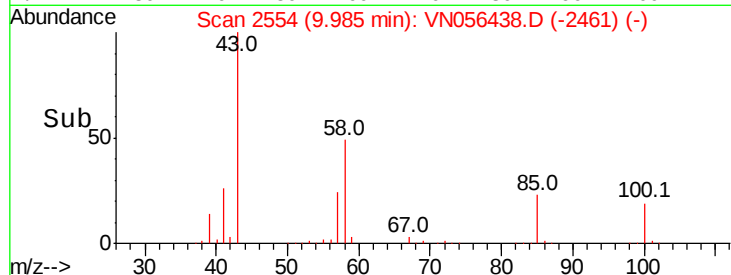
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 50.315 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056438.D

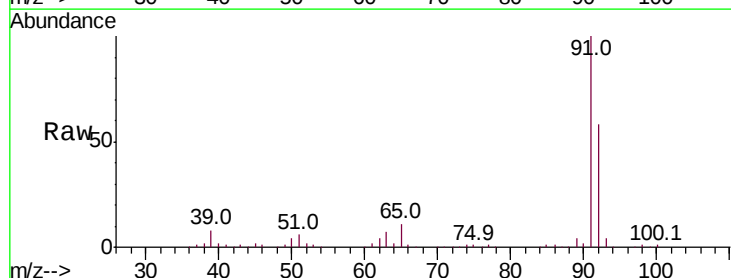
Acq: 21 Jun 2019 19:57

Tgt Ion: 92 Resp: 477666

Ion Ratio Lower Upper

92 100

91 174.2 140.6 211.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

500000

400000

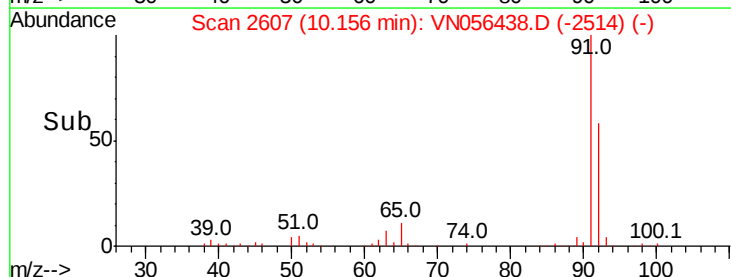
300000

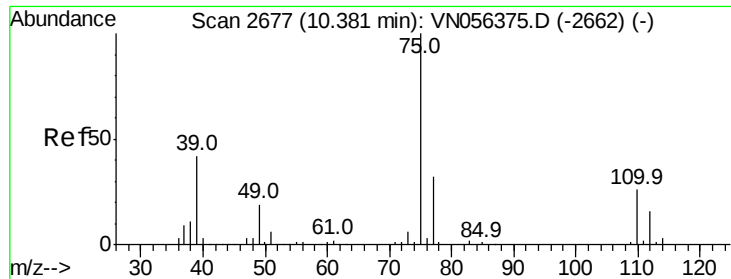
200000

100000

0

Time-->





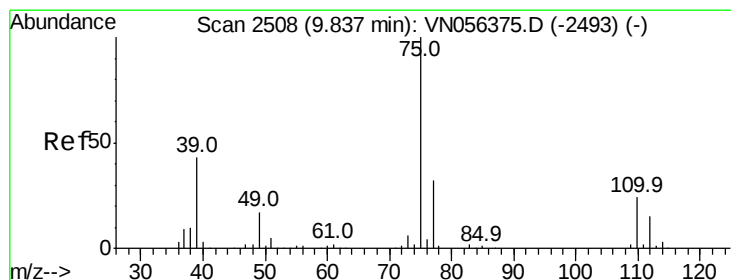
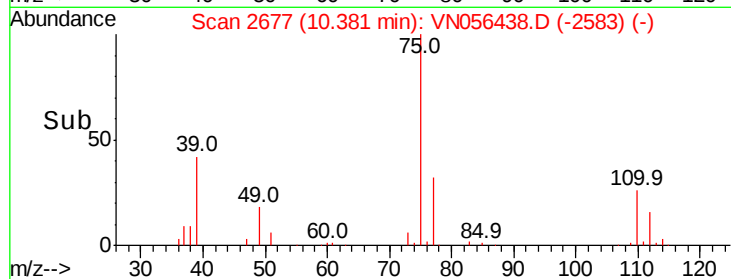
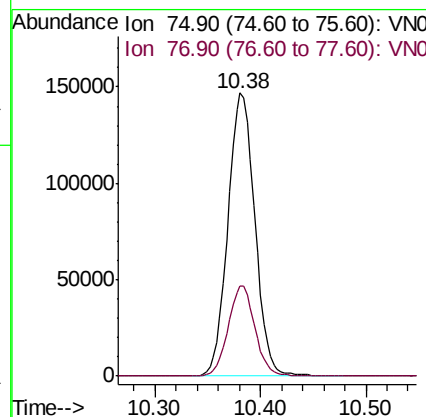
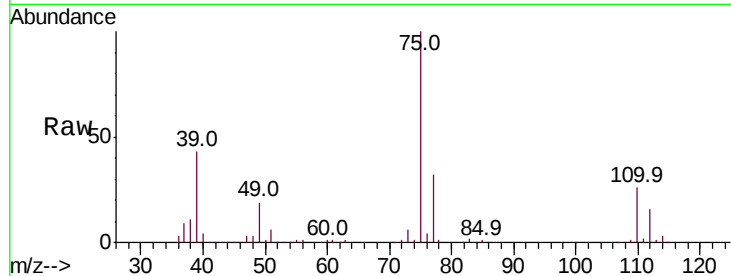
#53
 t-1,3-Dichloropropene
 Concen: 48.526 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN056438.D
 Acq: 21 Jun 2019 19:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 259950
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.4 38.2

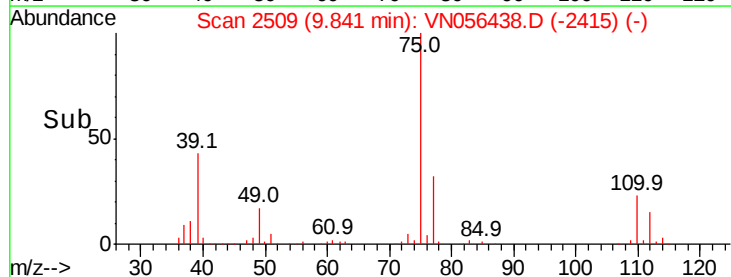
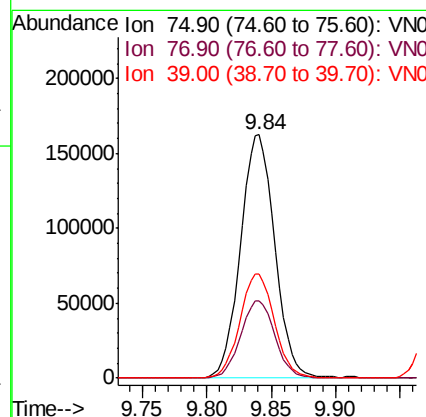
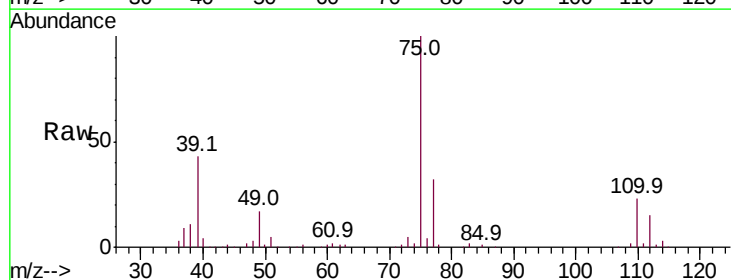
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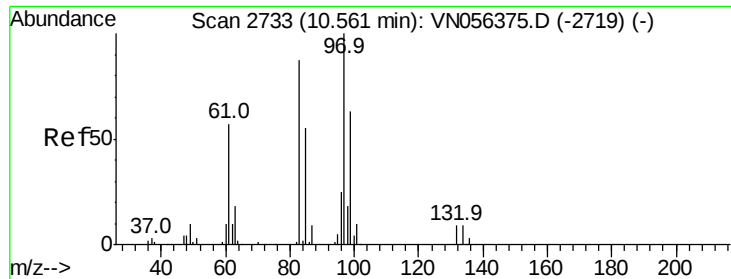
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#54
 cis-1,3-Dichloropropene
 Concen: 54.170 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN056438.D
 Acq: 21 Jun 2019 19:57

Tgt Ion: 75 Resp: 300590
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.2 37.8
 39 42.7 34.2 51.4





#55

1,1,2-Trichloroethane

Concen: 52.188 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN056438.D

Acq: 21 Jun 2019 19:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 199146

Ion Ratio Lower Upper

97 100

83 87.3 69.8 104.6

85 56.6 43.8 65.8

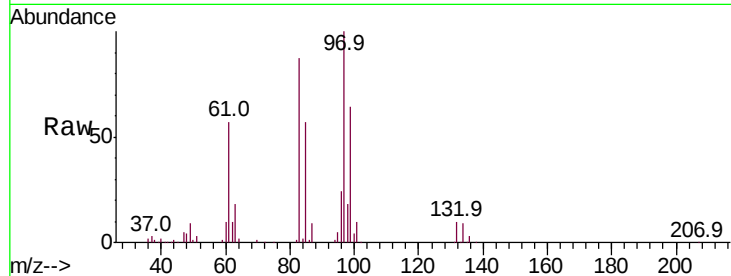
99 63.6 50.2 75.2

Manual Integrations

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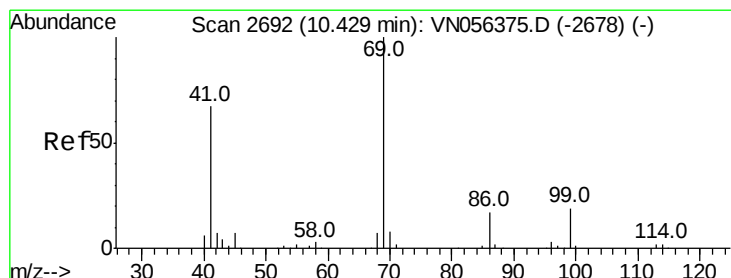
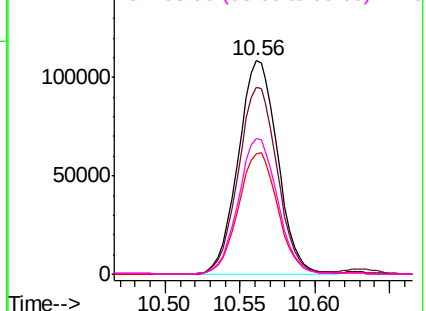
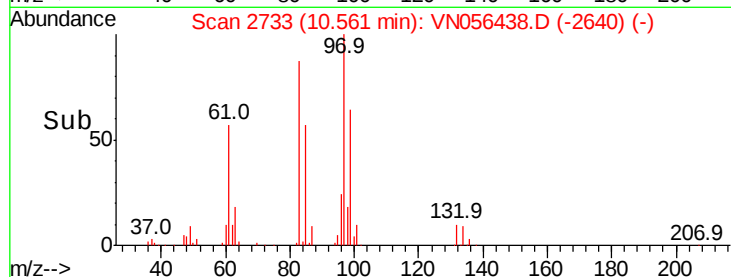


Abundance Ion 96.90 (96.60 to 97.60): VN056438.D (-2640) (-)

Ion 82.90 (82.60 to 83.60): VN056438.D (-2640) (-)

Ion 84.90 (84.60 to 85.60): VN056438.D (-2640) (-)

Ion 98.90 (98.60 to 99.60): VN056438.D (-2640) (-)



#56

Ethyl methacrylate

Concen: 54.743 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN056438.D

Acq: 21 Jun 2019 19:57

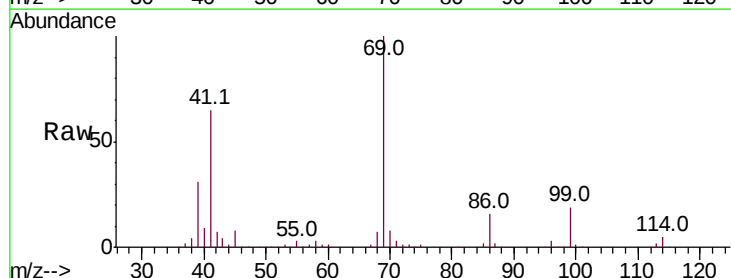
Tgt Ion: 69 Resp: 305286

Ion Ratio Lower Upper

69 100

41 63.4 51.4 77.2

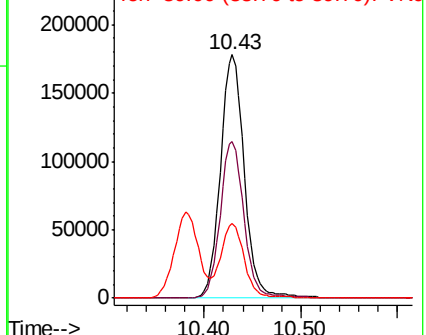
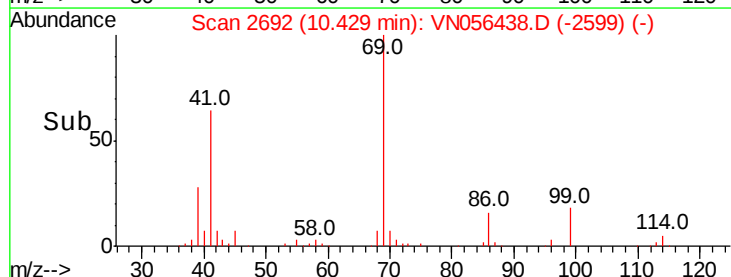
39 30.1 24.7 37.1

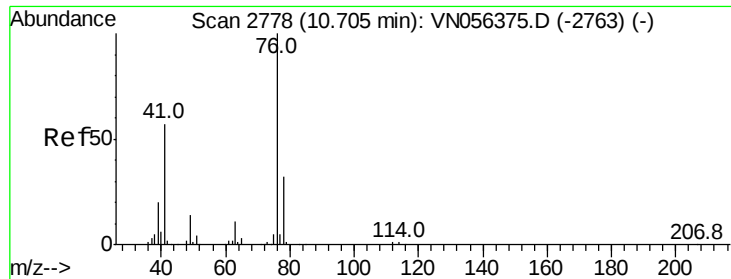


Abundance Ion 69.00 (68.70 to 69.70): VN056438.D (-2599) (-)

Ion 41.00 (40.70 to 41.70): VN056438.D (-2599) (-)

Ion 39.00 (38.70 to 39.70): VN056438.D (-2599) (-)





#57

1,3-Dichloropropane

Concen: 52.637 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN056438.D

Acq: 21 Jun 2019 19:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 337431

Ion Ratio Lower Upper

76 100

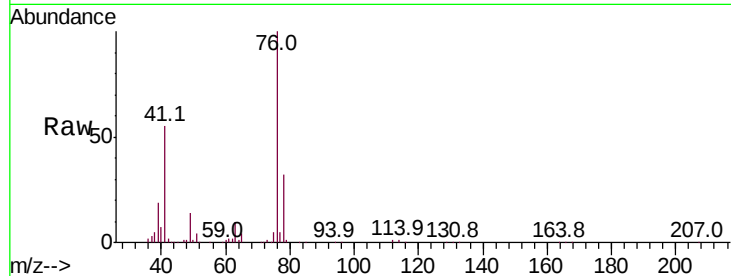
78 32.2 25.9 38.9

Manual Integrations

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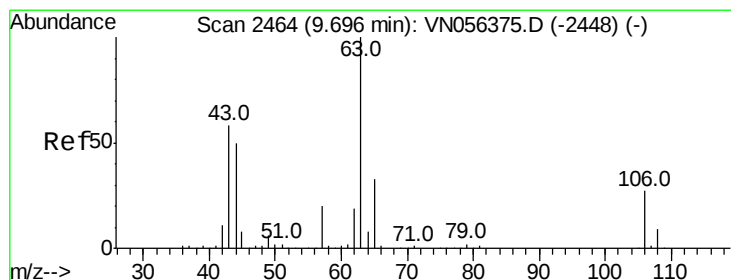
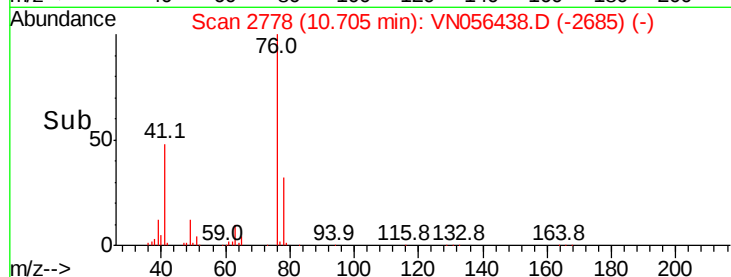
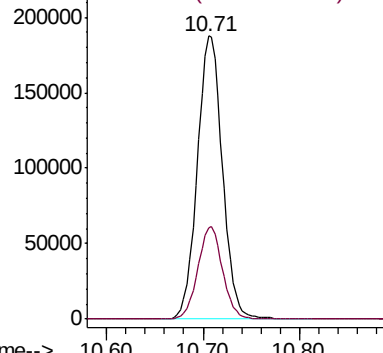
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 251.033 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN056438.D

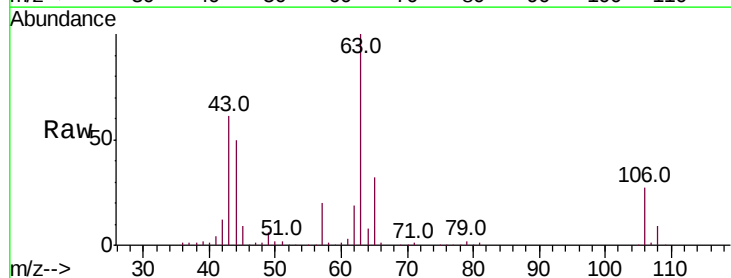
Acq: 21 Jun 2019 19:57

Tgt Ion: 63 Resp: 502931

Ion Ratio Lower Upper

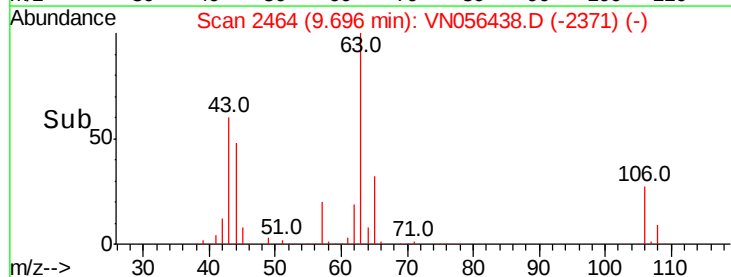
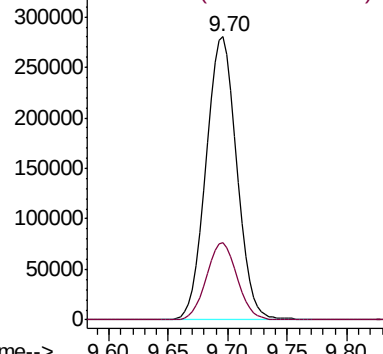
63 100

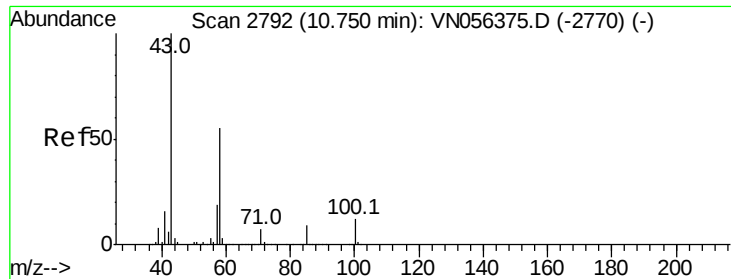
106 27.3 21.6 32.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





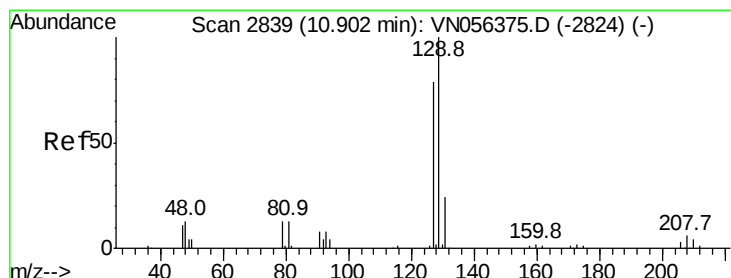
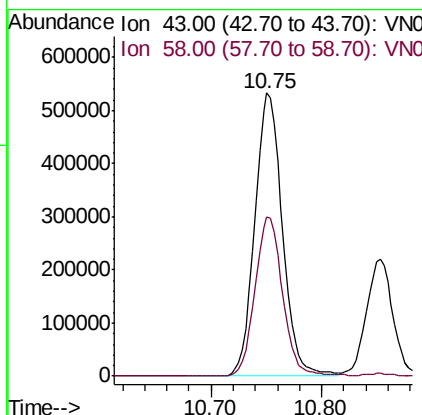
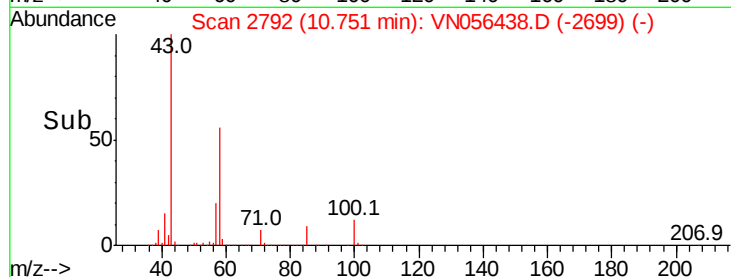
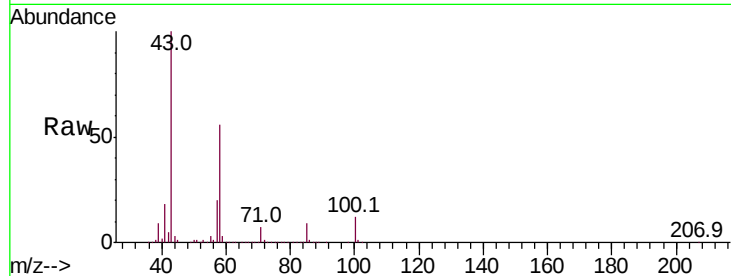
#59
2-Hexanone
Concen: 254.276 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN056438.D
Acq: 21 Jun 2019 19:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 922719
Ion Ratio Lower Upper
43 100
58 56.3 27.8 83.4

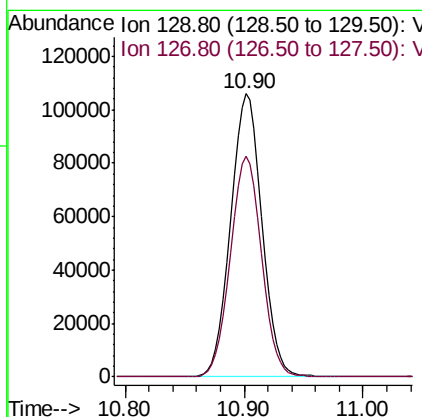
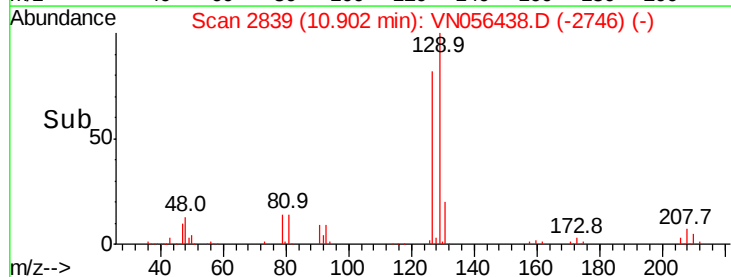
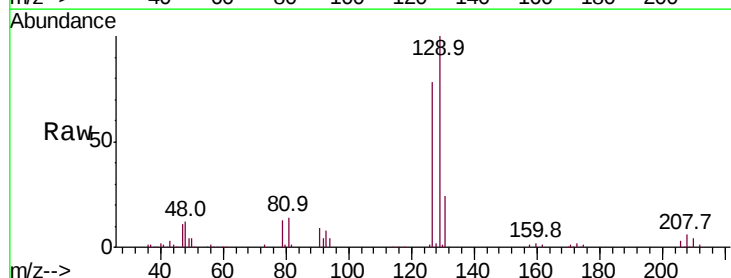
Manual Integrations
APPROVED

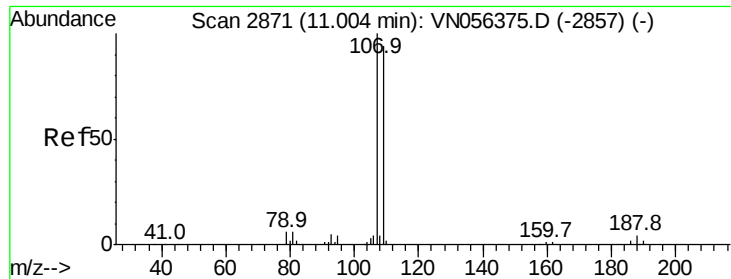
MMDadoda
6/24/2019 4:15:57 PM



#60
Dibromochloromethane
Concen: 49.338 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056438.D
Acq: 21 Jun 2019 19:57

Tgt Ion: 129 Resp: 193386
Ion Ratio Lower Upper
129 100
127 77.7 38.9 116.7





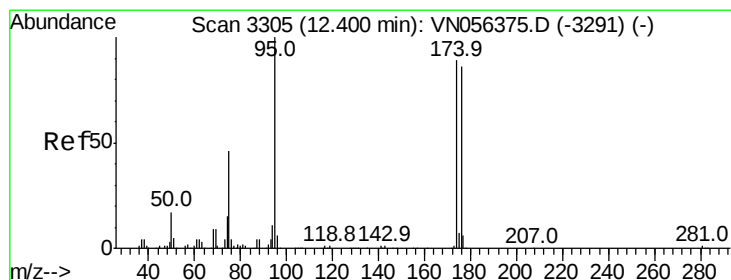
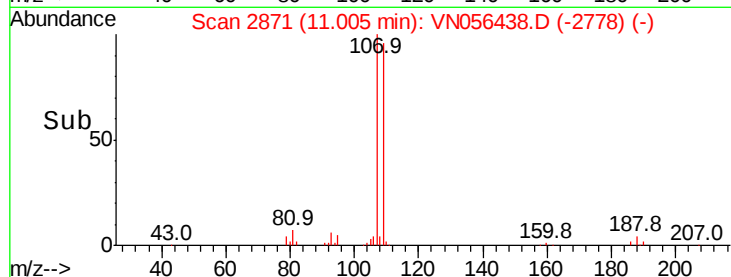
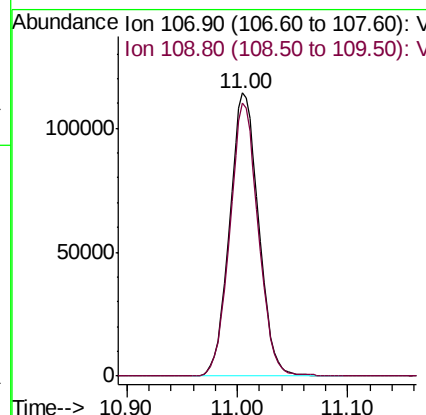
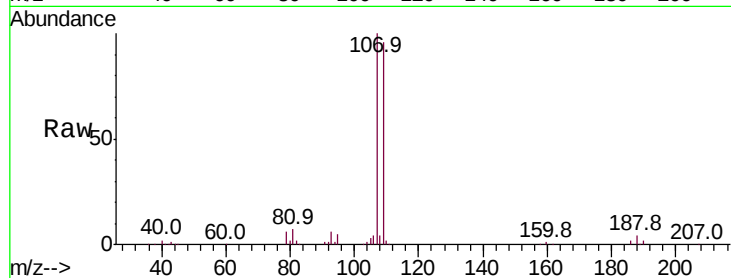
#61
1,2-Dibromoethane
Concen: 53.329 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. 0.00 min
Lab File: VN056438.D
Acq: 21 Jun 2019 19:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.7	75.3	112.9

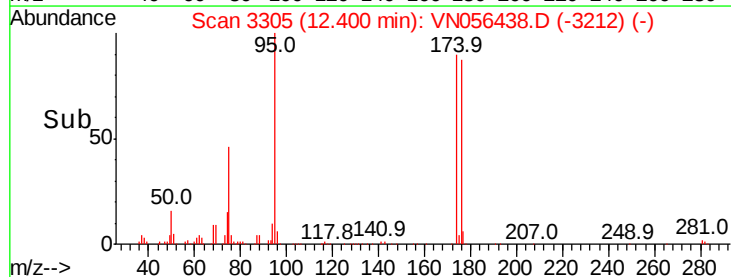
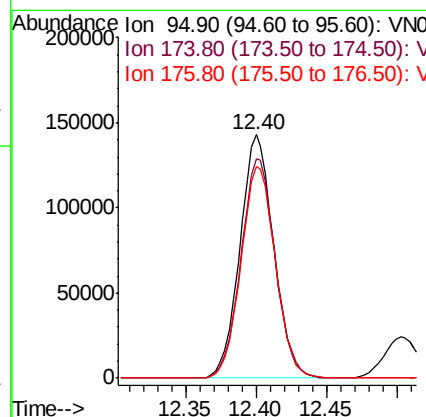
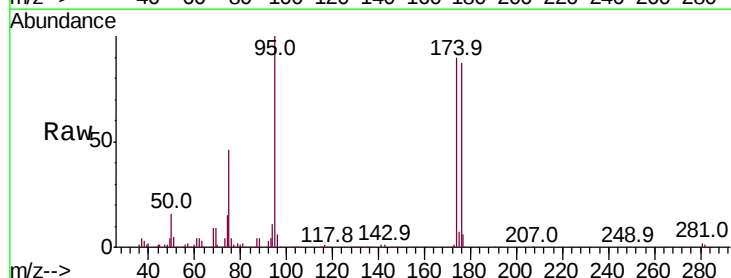
Manual Integrations
APPROVED

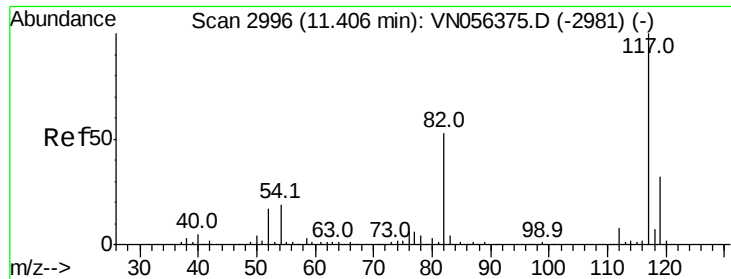
MMDadoda
6/24/2019 4:15:57 PM



#62
4-Bromofluorobenzene
Concen: 51.674 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN056438.D
Acq: 21 Jun 2019 19:57

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.5	0.0	179.4
176	88.6	0.0	173.4





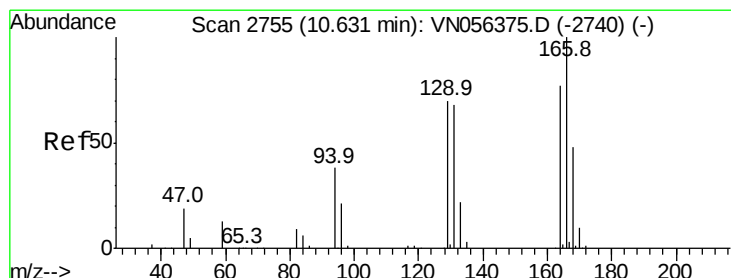
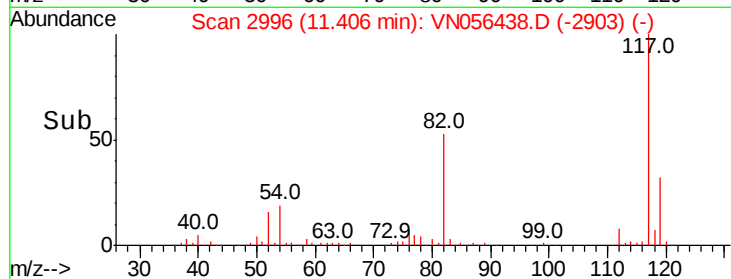
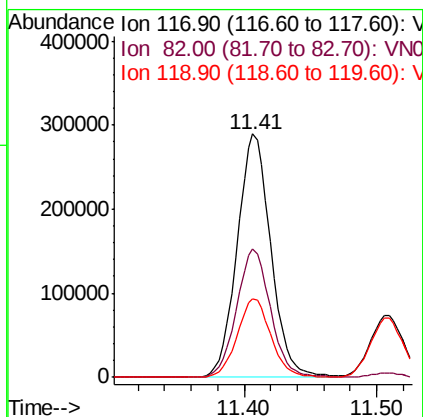
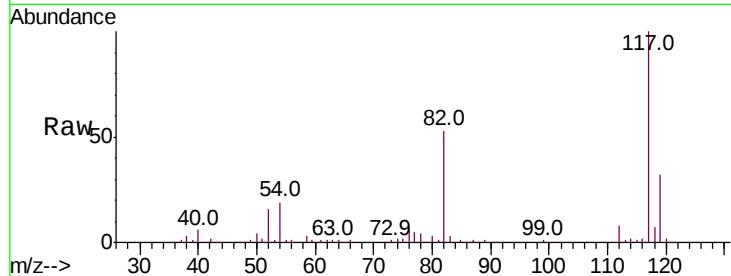
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056438.D
Acq: 21 Jun 2019 19:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.9	42.0	63.0
119	32.4	25.3	37.9

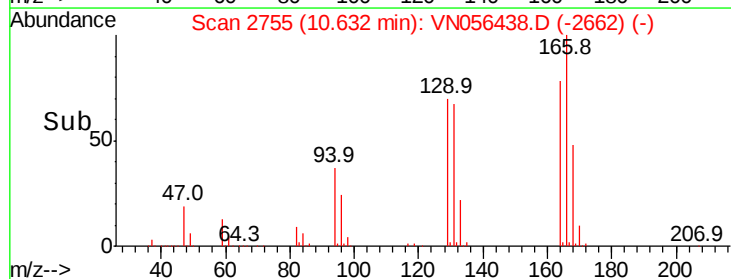
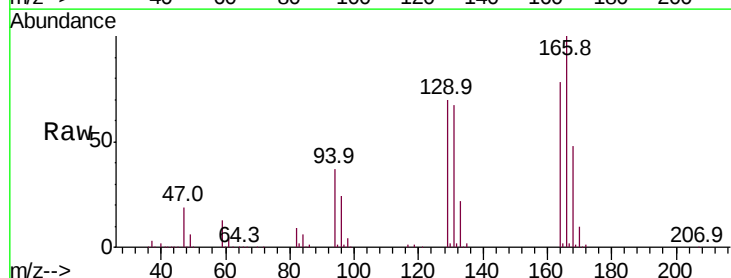
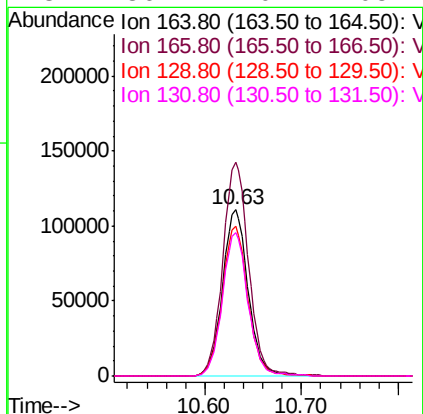
Manual Integrations
APPROVED

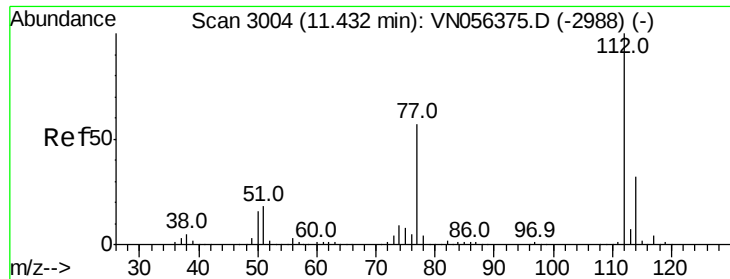
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#64
Tetrachloroethene
Concen: 50.500 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056438.D
Acq: 21 Jun 2019 19:57

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.5	103.4	155.0
129	89.8	72.0	108.0
131	86.4	70.2	105.2





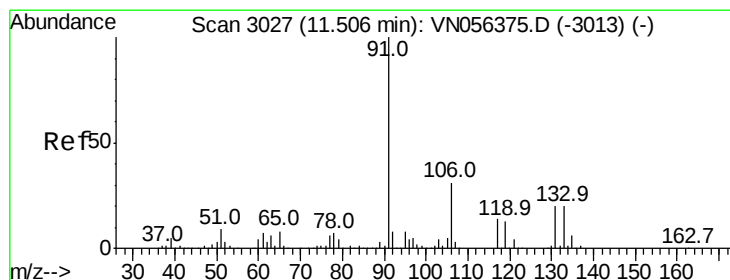
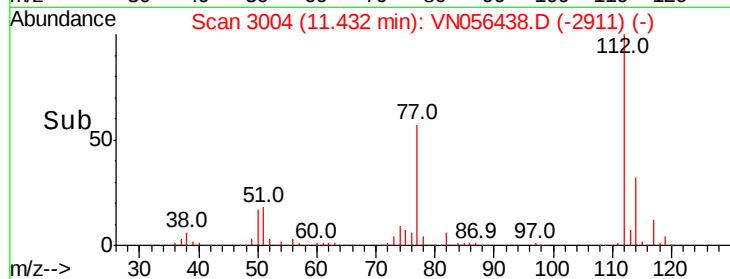
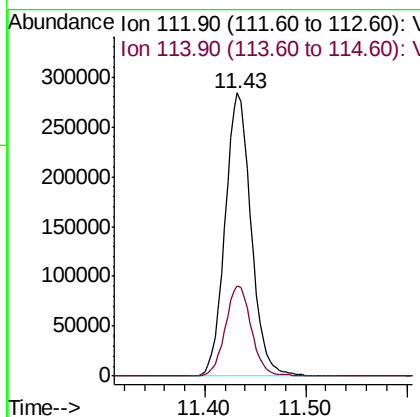
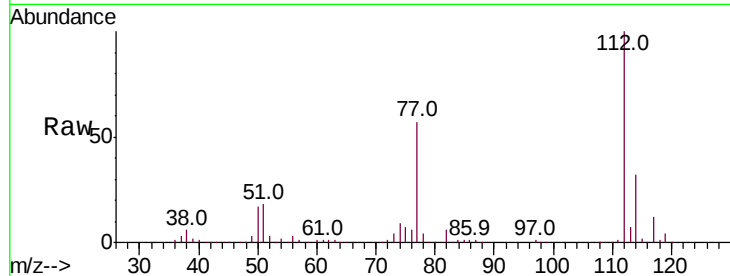
#65
Chlorobenzene
Concen: 49.944 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056438.D
Acq: 21 Jun 2019 19:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 511973
Ion Ratio Lower Upper
112 100
114 32.0 25.4 38.2

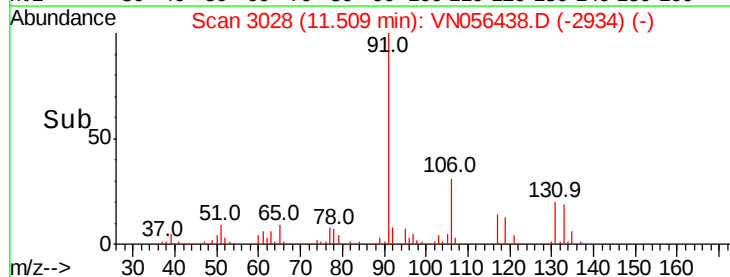
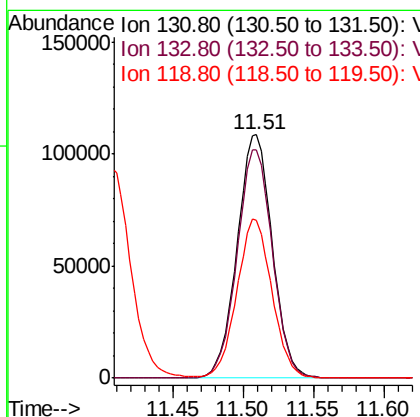
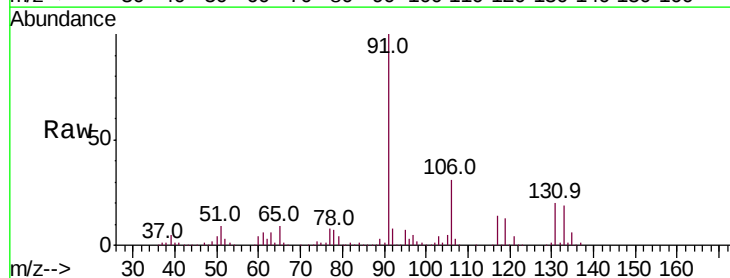
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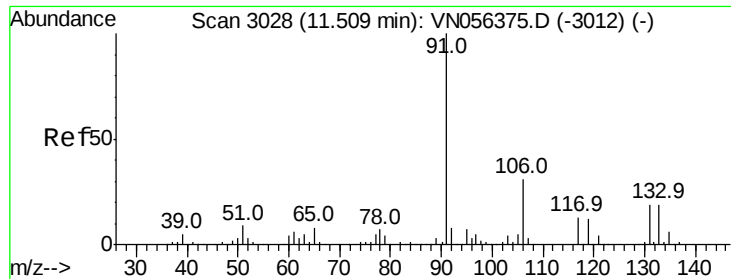
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#66
1,1,1,2-Tetrachloroethane
Concen: 54.685 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056438.D
Acq: 21 Jun 2019 19:57

Tgt Ion:131 Resp: 189458
Ion Ratio Lower Upper
131 100
133 94.5 47.4 142.2
119 65.3 32.8 98.4





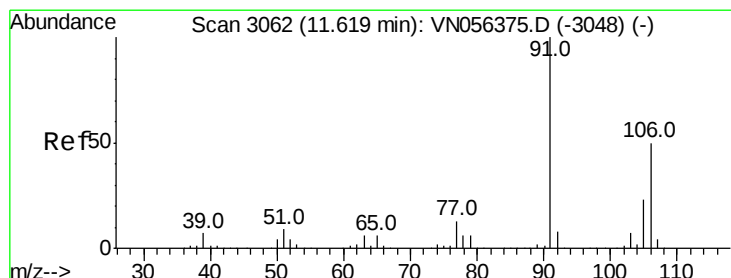
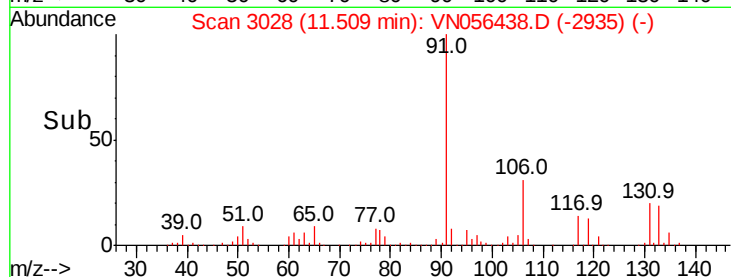
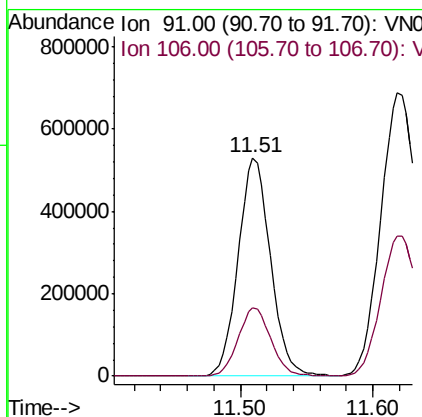
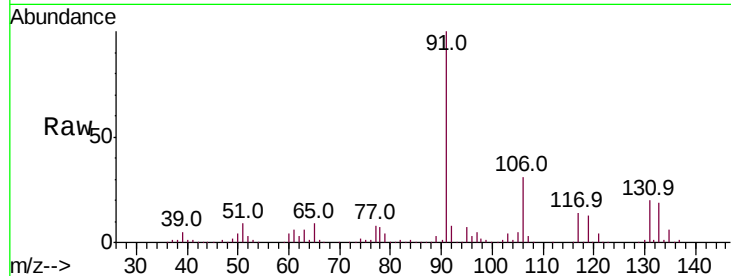
#67
Ethyl Benzene
Concen: 50.004 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056438.D
Acq: 21 Jun 2019 19:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 900023
Ion Ratio Lower Upper
91 100
106 31.5 25.1 37.7

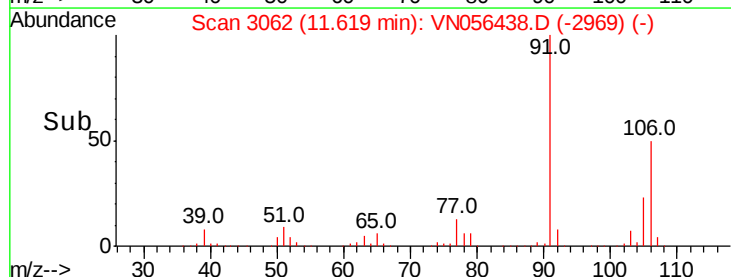
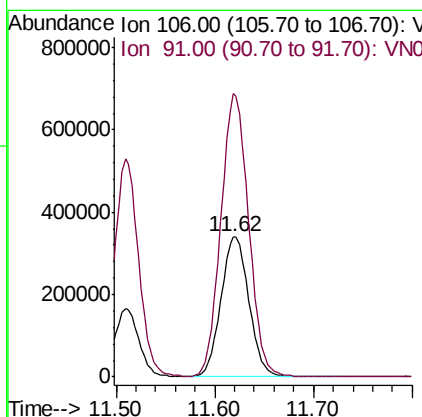
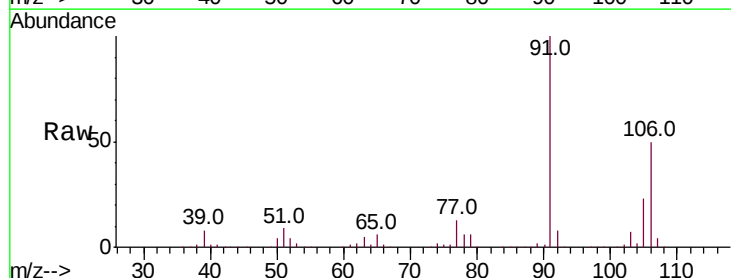
Manual Integrations
APPROVED

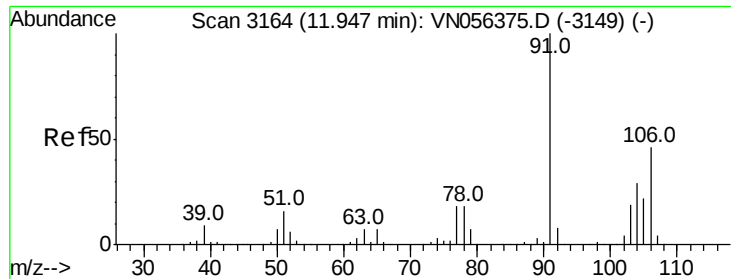
MMDadoda
6/24/2019 4:15:57 PM



#68
m/p-Xylenes
Concen: 102.423 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056438.D
Acq: 21 Jun 2019 19:57

Tgt Ion: 106 Resp: 675611
Ion Ratio Lower Upper
106 100
91 200.9 160.1 240.1





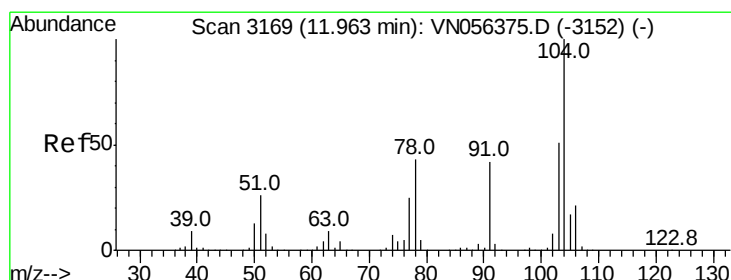
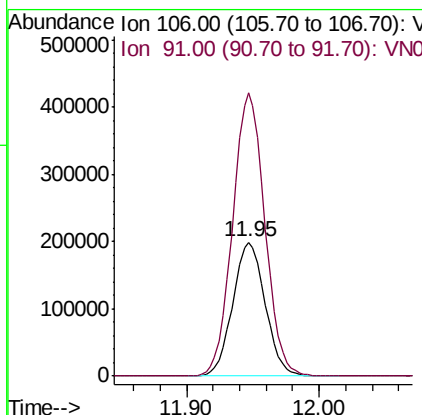
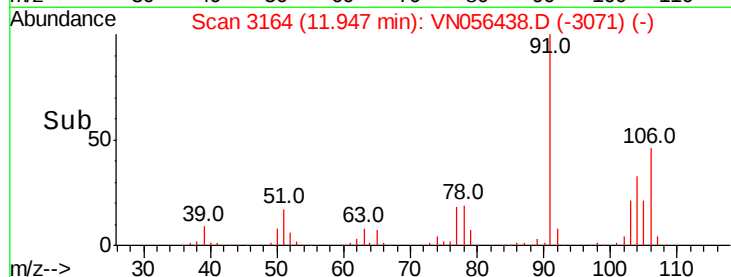
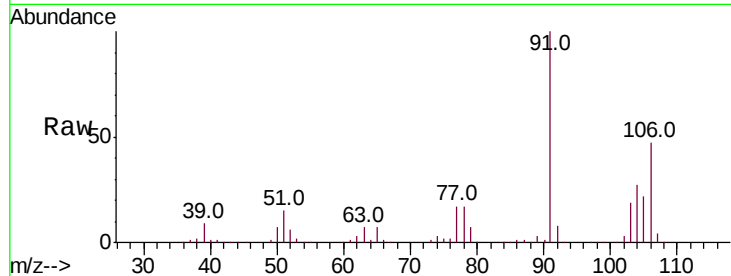
#69
o-Xylene
Concen: 51.680 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056438.D
Acq: 21 Jun 2019 19:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 337260
Ion Ratio Lower Upper
106 100
91 210.4 107.1 321.3

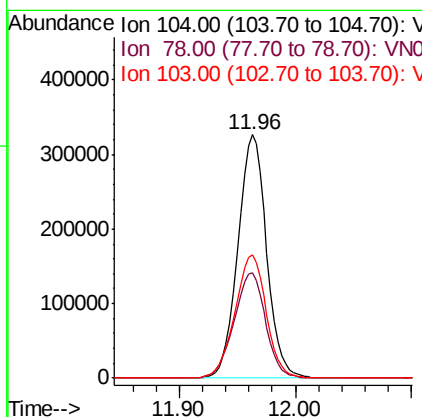
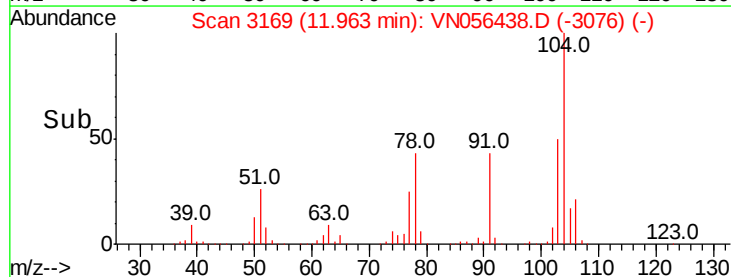
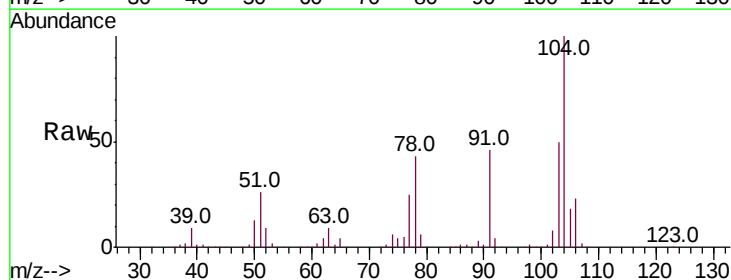
Manual Integrations
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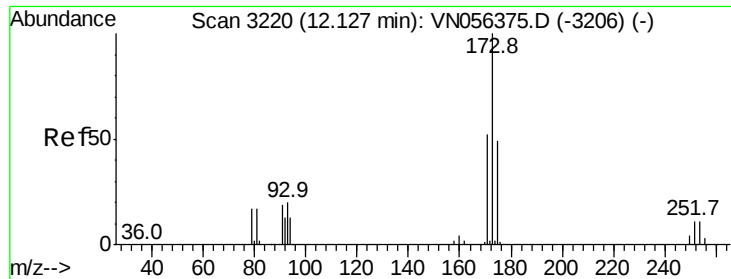
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#70
Styrene
Concen: 53.486 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056438.D
Acq: 21 Jun 2019 19:57

Tgt Ion:104 Resp: 557922
Ion Ratio Lower Upper
104 100
78 47.7 38.6 57.8
103 55.4 43.9 65.9





#71

Bromoform

Concen: 48.529 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN056438.D

Acq: 21 Jun 2019 19:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 135362

Ion Ratio Lower Upper

173 100

175 48.7 24.4 73.4

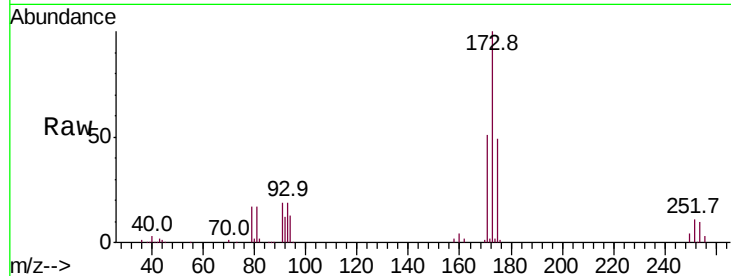
254 0.0 0.0 0.0

Manual Integrations

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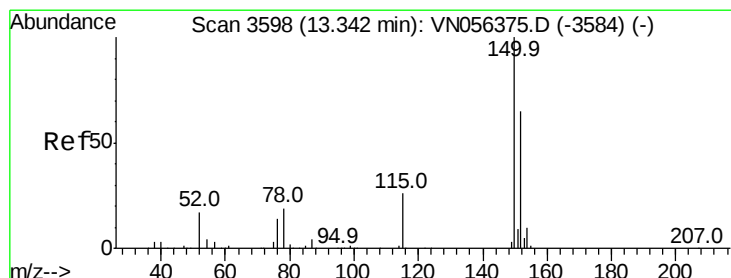
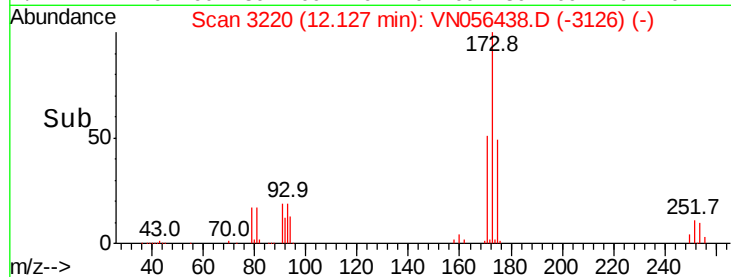
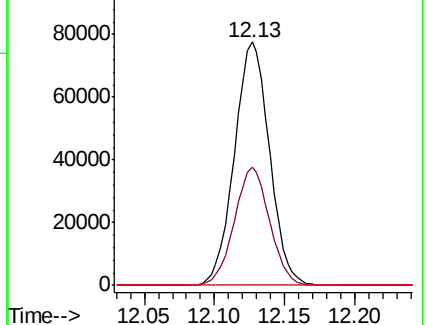
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN056438.D

Acq: 21 Jun 2019 19:57

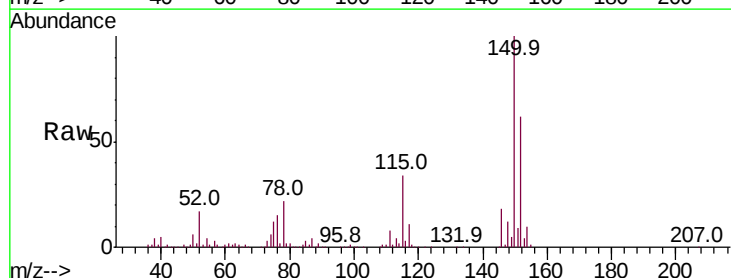
Tgt Ion:152 Resp: 211565

Ion Ratio Lower Upper

152 100

115 55.8 28.1 84.4

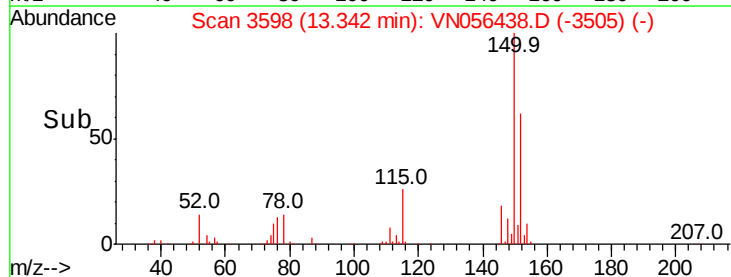
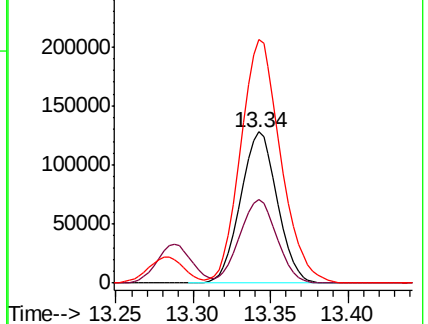
150 175.5 0.0 348.4

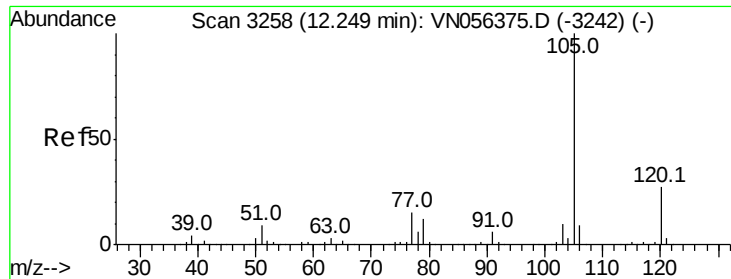


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 55.959 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056438.D

Acq: 21 Jun 2019 19:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 884137

Ion Ratio Lower Upper

105 100

120 26.7

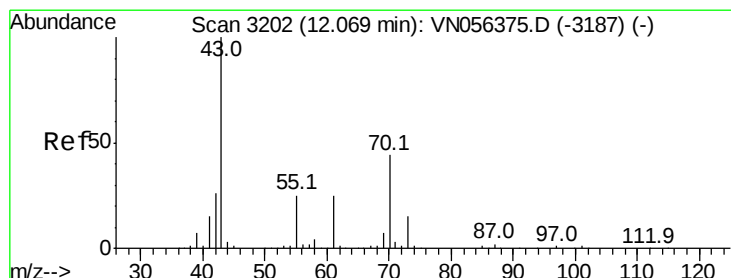
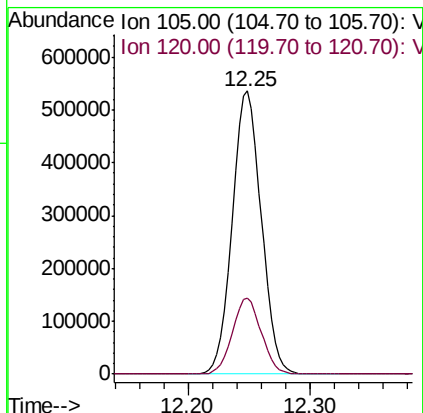
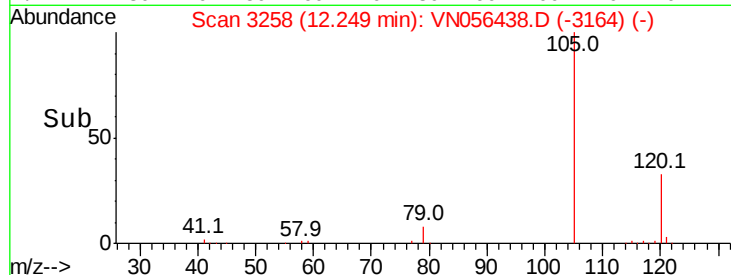
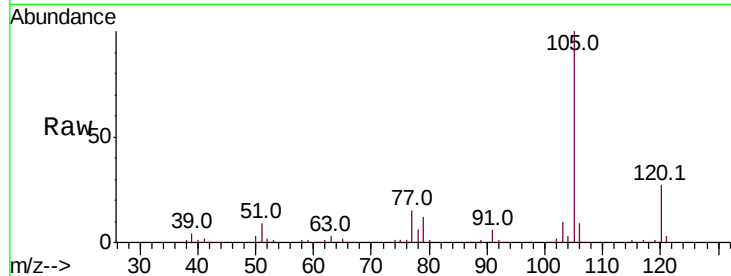
13.4 40.2

Manual Integrations

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#74

N-ethyl acetate

Concen: 49.655 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056438.D

Acq: 21 Jun 2019 19:57

Tgt Ion: 43 Resp: 334338

Ion Ratio Lower Upper

43 100

70 43.6

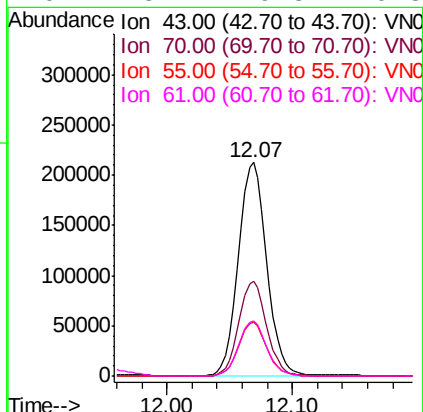
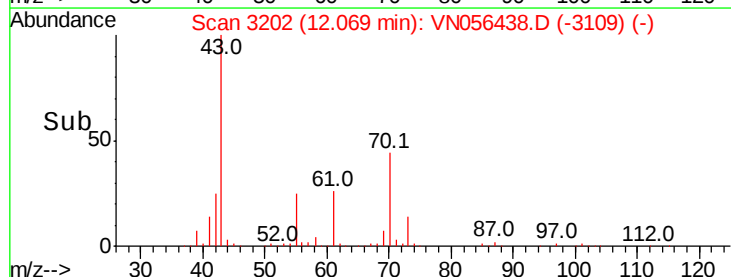
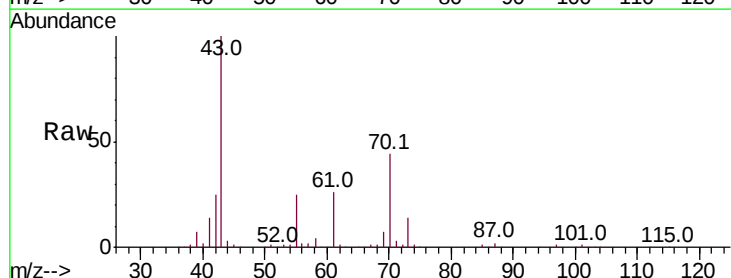
55 25.1

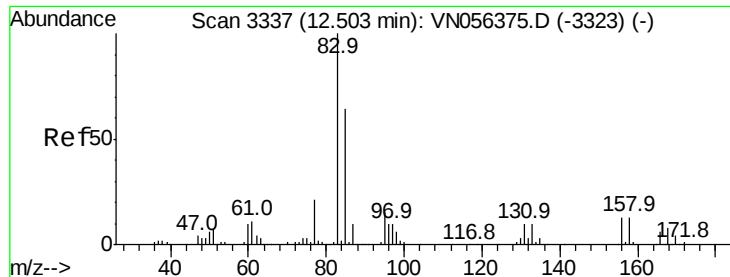
61 25.4

34.9 52.3

20.4 30.6

19.8 29.8





#75

1,1,2,2-Tetrachloroethane

Concen: 56.883 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056438.D

Acq: 21 Jun 2019 19:57

Instrument :

MSVOA_N

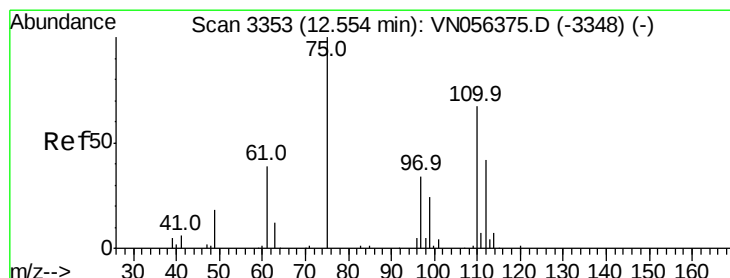
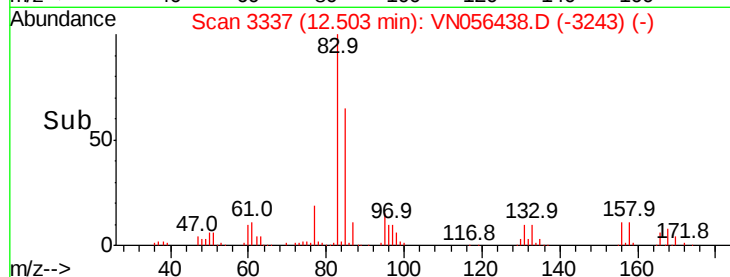
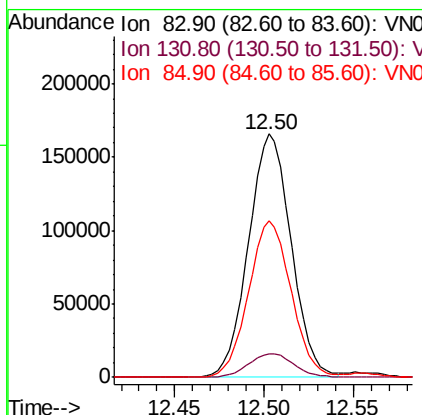
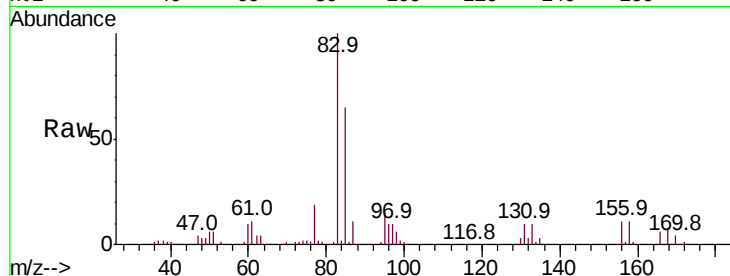
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	277754
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.3	15.8
85	64.3	32.4	97.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 56.244 ug/l m

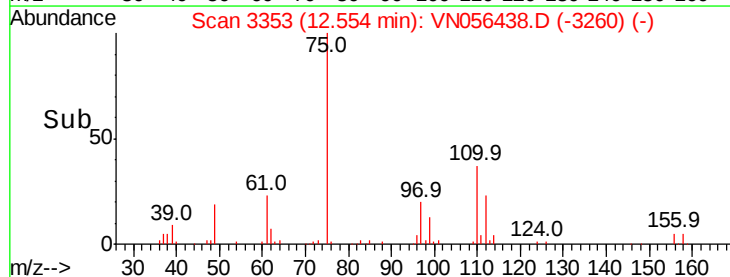
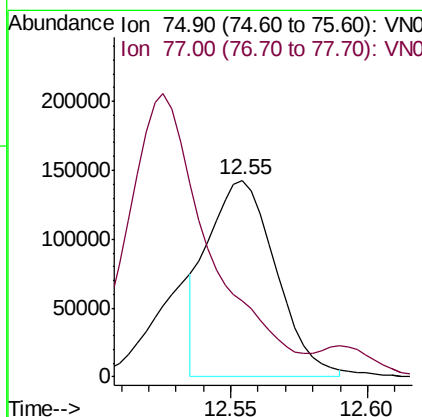
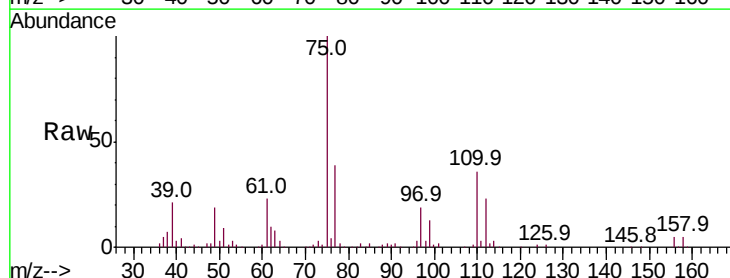
RT: 12.55 min Scan# 3353

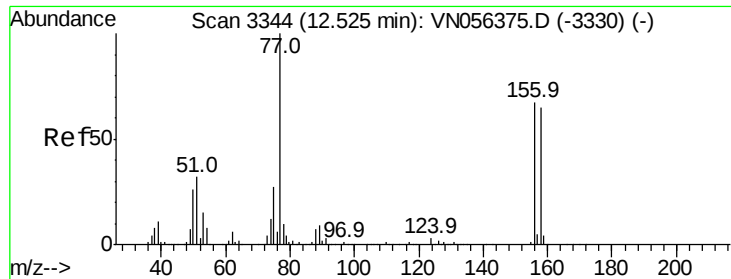
Delta R.T. 0.00 min

Lab File: VN056438.D

Acq: 21 Jun 2019 19:57

Tgt Ion:	75	Resp:	246732
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 48.926 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056438.D

Acq: 21 Jun 2019 19:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 231448

Ion Ratio Lower Upper

156 100

77 185.5 92.5 277.3

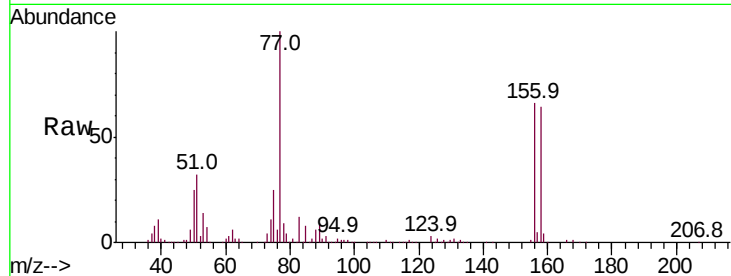
158 97.1 48.7 146.1

Manual Integrations

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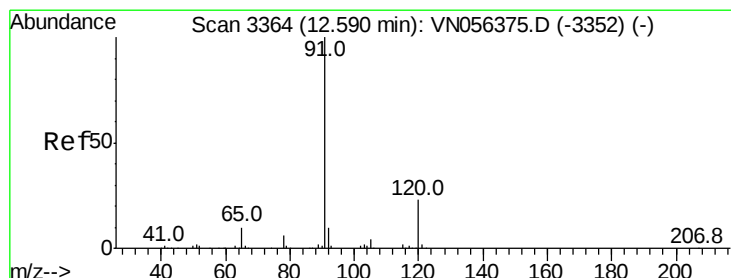
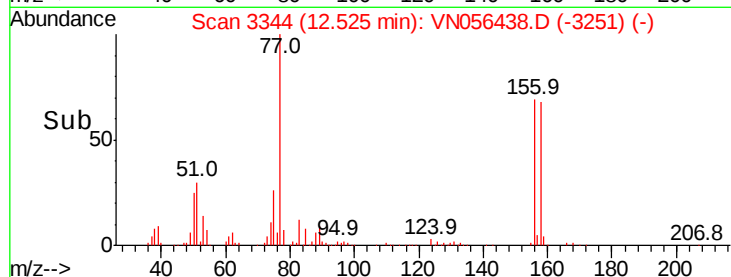
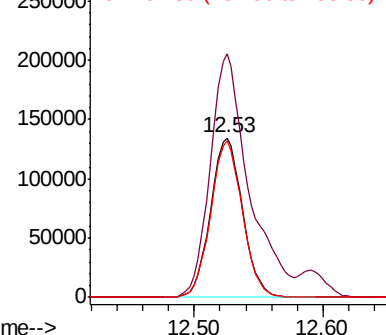
6/24/2019 4:15:57 PM



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: 49.219 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056438.D

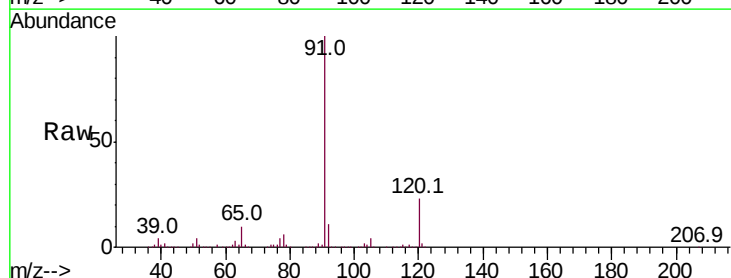
Acq: 21 Jun 2019 19:57

Tgt Ion: 91 Resp: 953582

Ion Ratio Lower Upper

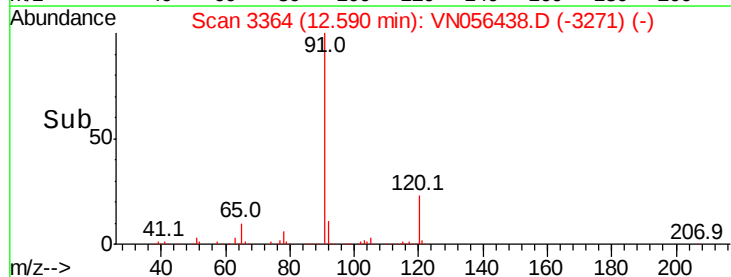
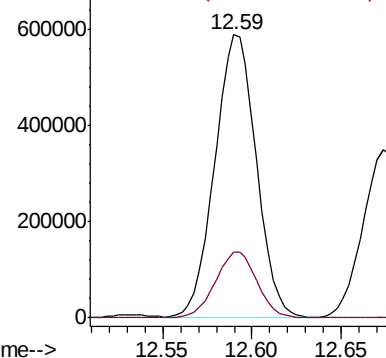
91 100

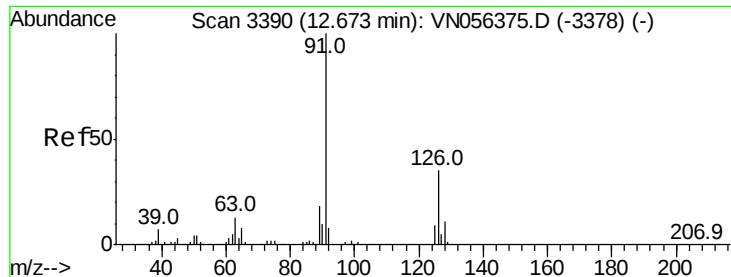
120 23.4 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 55.103 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056438.D

Acq: 21 Jun 2019 19:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 582649

Ion Ratio Lower Upper

91 100

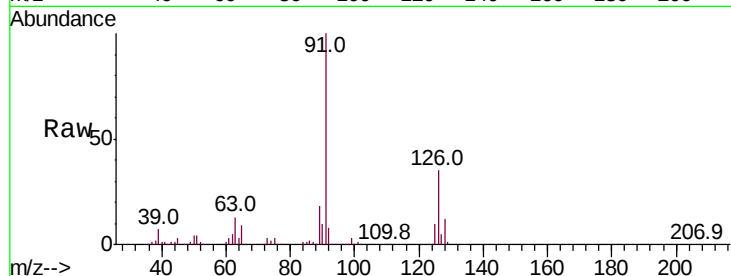
126 35.6 17.6 52.8

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN056438.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN056438.D (-3378) (-)

500000

400000

300000

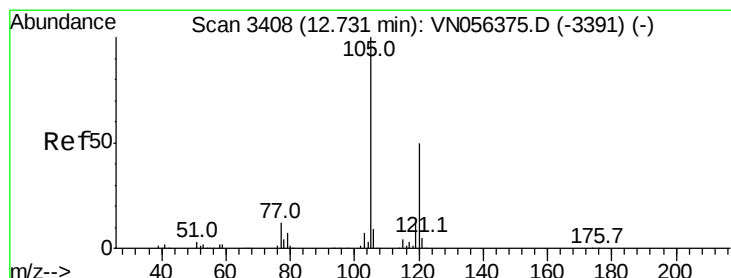
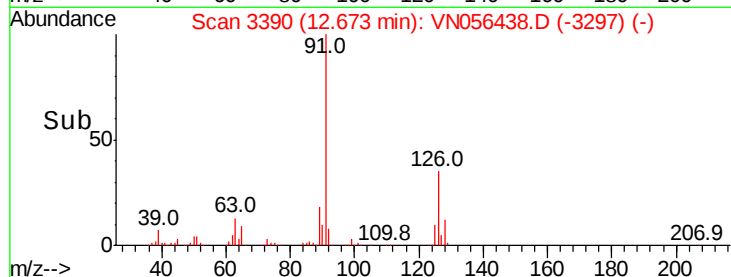
200000

100000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 54.451 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056438.D

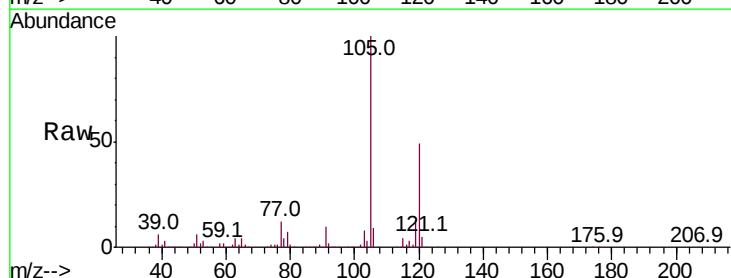
Acq: 21 Jun 2019 19:57

Tgt Ion: 105 Resp: 722319

Ion Ratio Lower Upper

105 100

120 49.2 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): VN056438.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN056438.D (-3391) (-)

500000

400000

300000

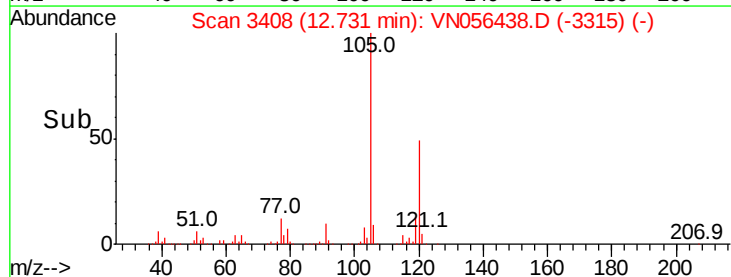
200000

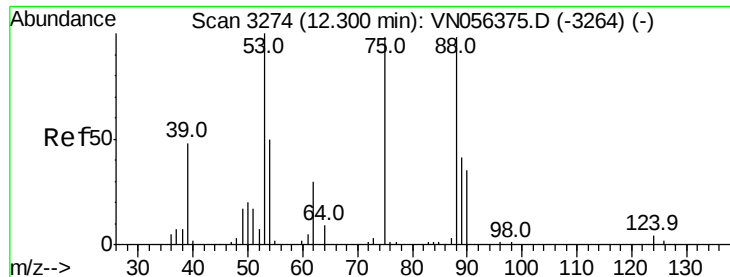
100000

0

12.70 12.73 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 54.081 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056438.D

Acq: 21 Jun 2019 19:57

Instrument :

MSVOA_N

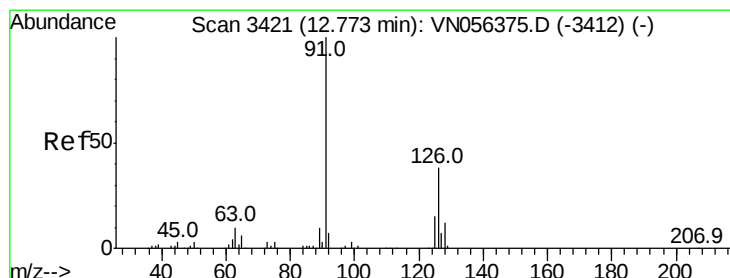
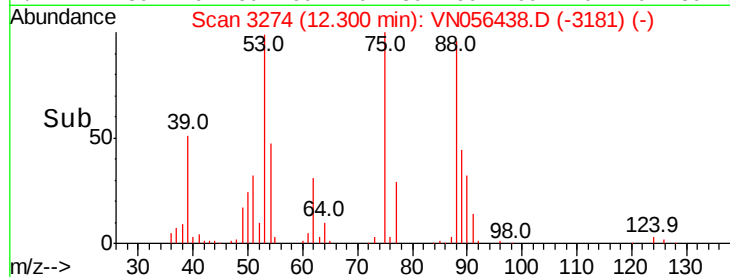
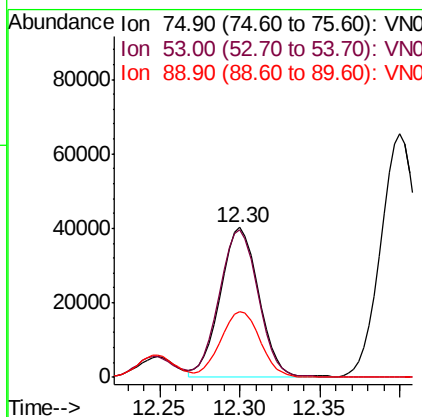
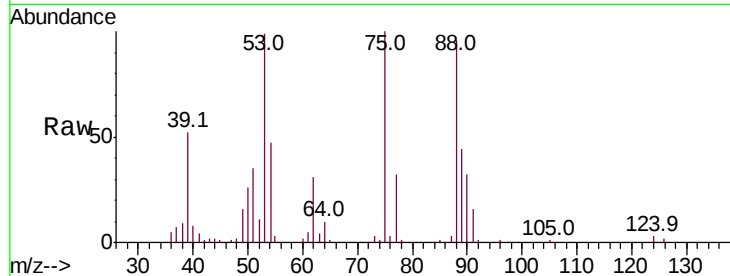
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	66751
Ion	Ratio	Lower	Upper
75	100		
53	99.6	83.9	125.9
89	44.9	35.0	52.6

Manual Integrations
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#82

4-Chlorotoluene

Concen: 49.055 ug/l

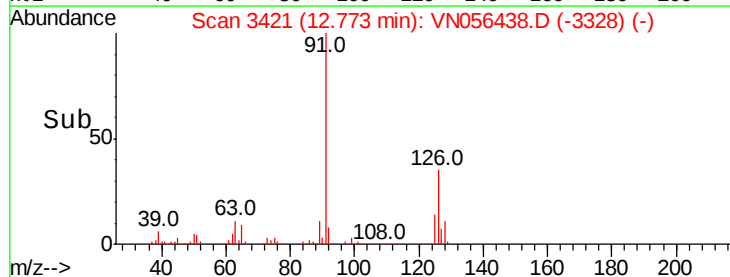
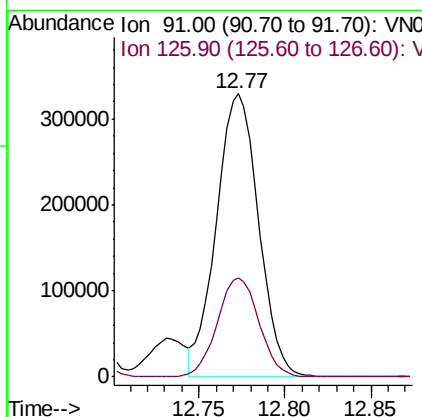
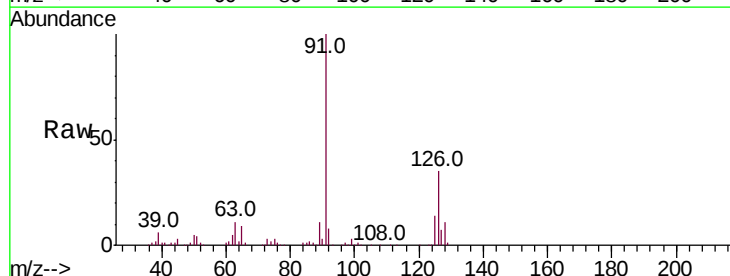
RT: 12.77 min Scan# 3421

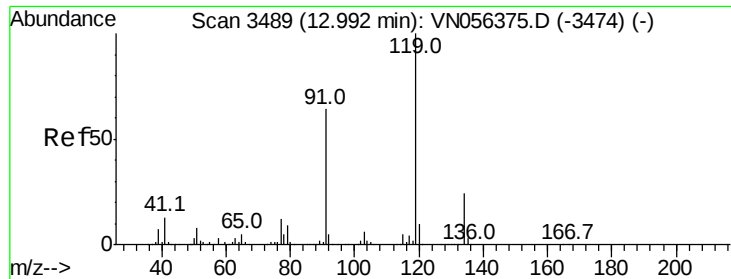
Delta R.T. 0.00 min

Lab File: VN056438.D

Acq: 21 Jun 2019 19:57

Tgt Ion:	91	Resp:	561161
Ion	Ratio	Lower	Upper
91	100		
126	34.8	17.3	52.0





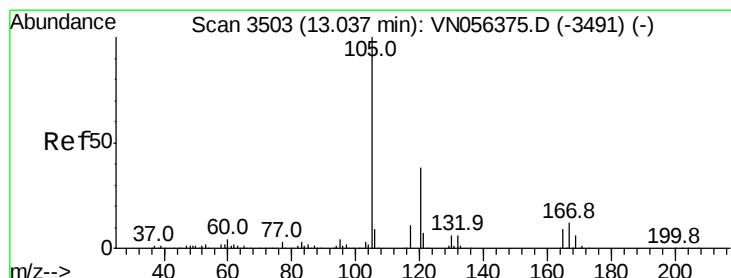
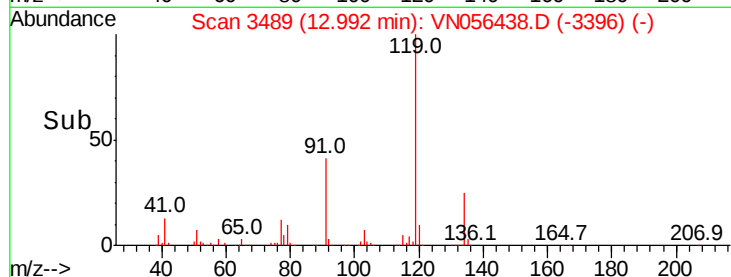
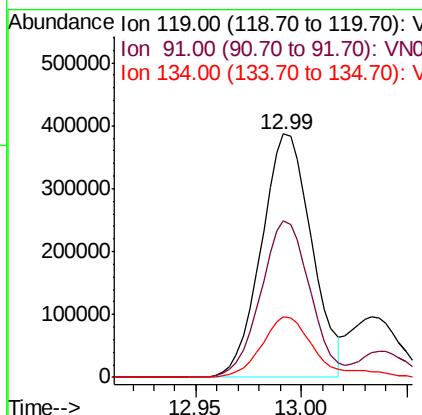
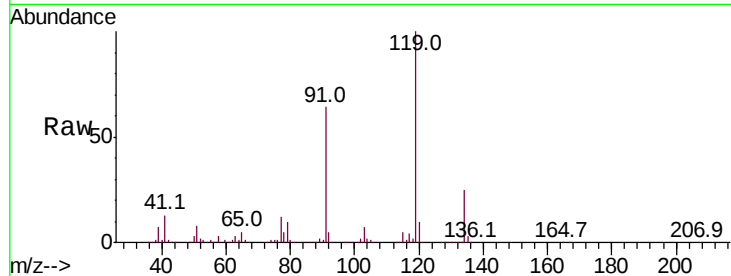
#83
tert-Butylbenzene
Concen: 55.717 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056438.D
Acq: 21 Jun 2019 19:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.0	31.6	94.7
134	26.6	13.2	39.5

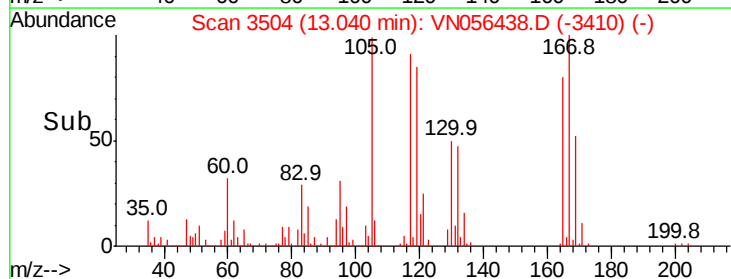
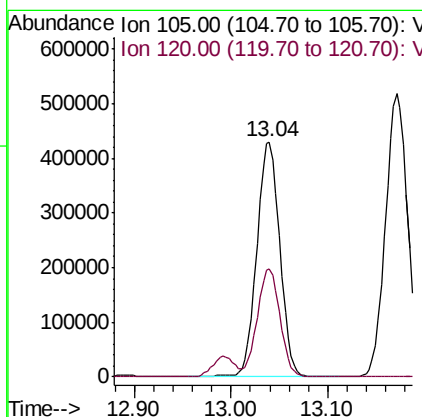
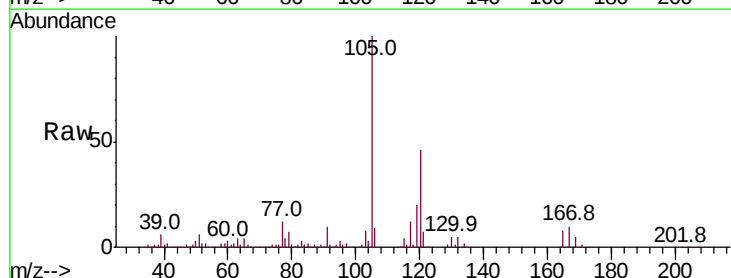
Manual Integrations
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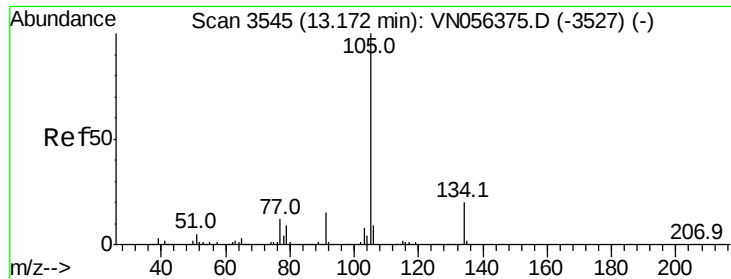
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 49.678 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN056438.D
Acq: 21 Jun 2019 19:57

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	22.9	68.8





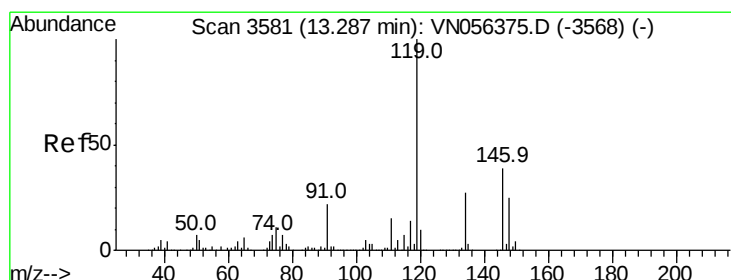
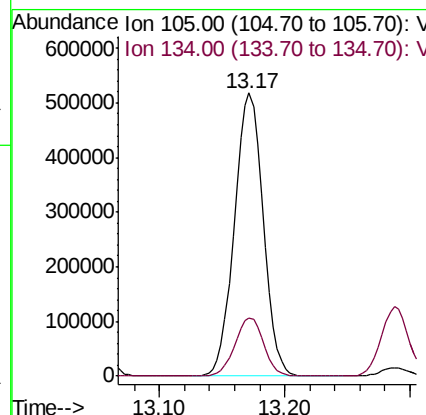
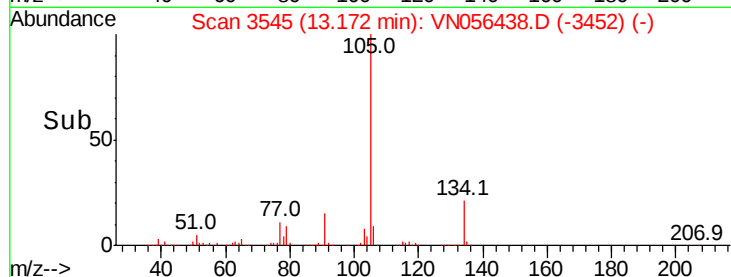
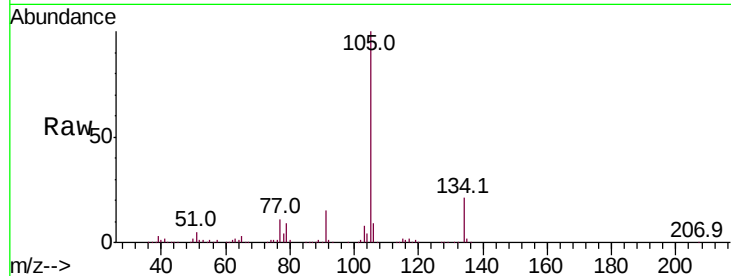
#85
 sec-Butylbenzene
 Concen: 48.352 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN056438.D
 Acq: 21 Jun 2019 19:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.5	10.2	30.4

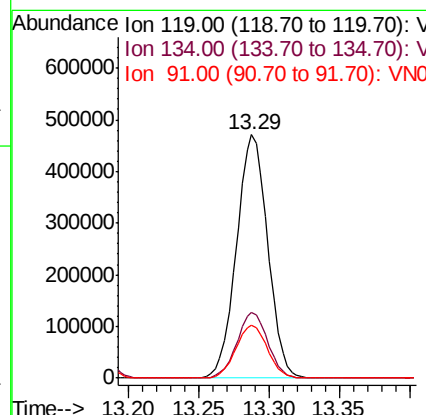
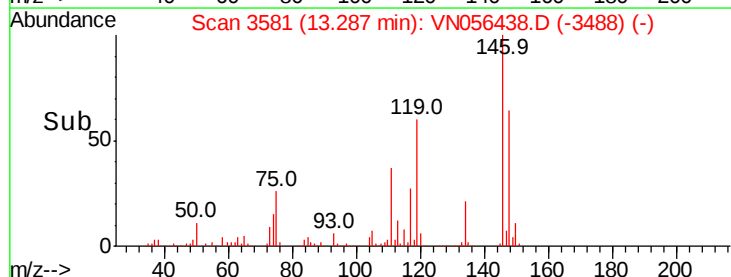
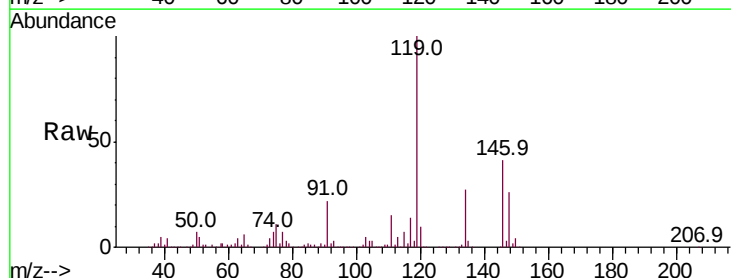
Manual Integrations
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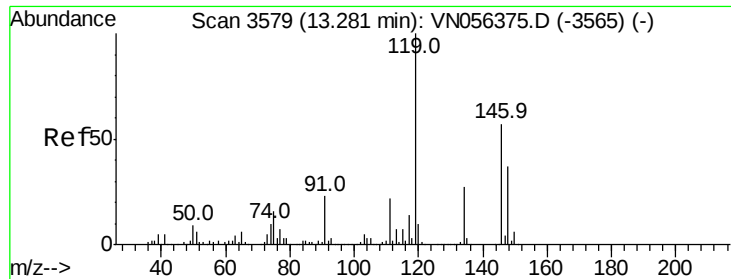
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#86
 p-Isopropyltoluene
 Concen: 49.782 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN056438.D
 Acq: 21 Jun 2019 19:57

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.8	13.5	40.4
91	22.1	11.2	33.5





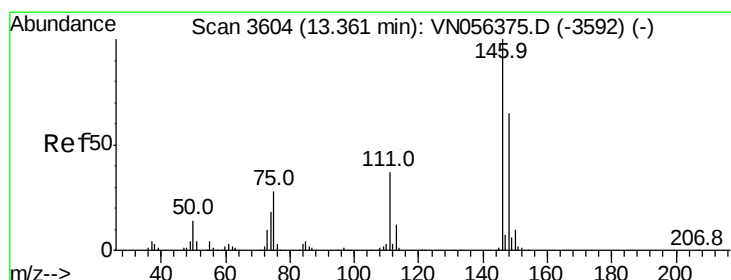
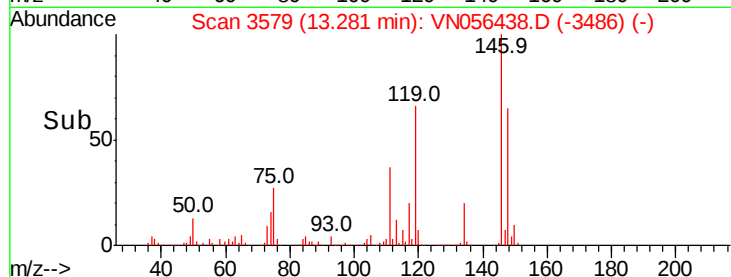
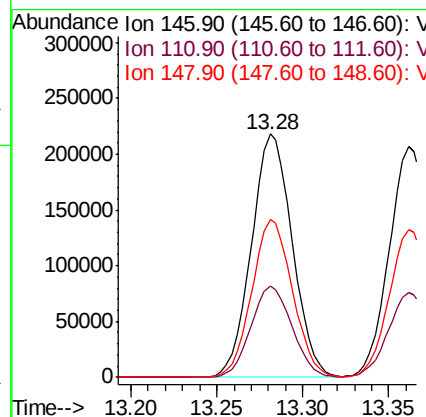
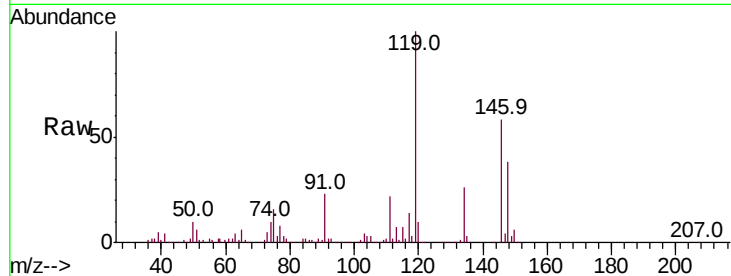
#87
 1,3-Dichlorobenzene
 Concen: 50.208 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056438.D
 Acq: 21 Jun 2019 19:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.9	56.9
148	64.3	32.1	96.5

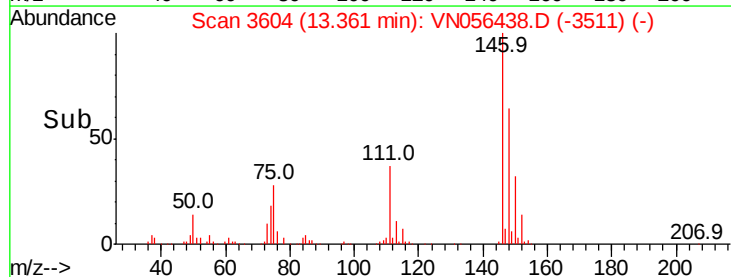
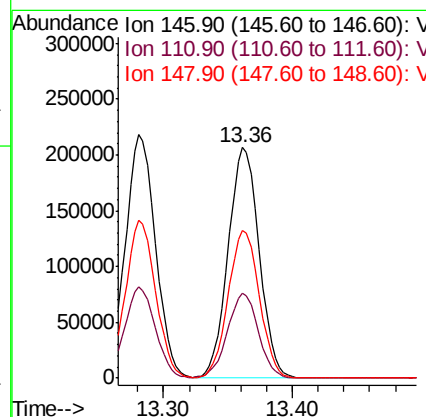
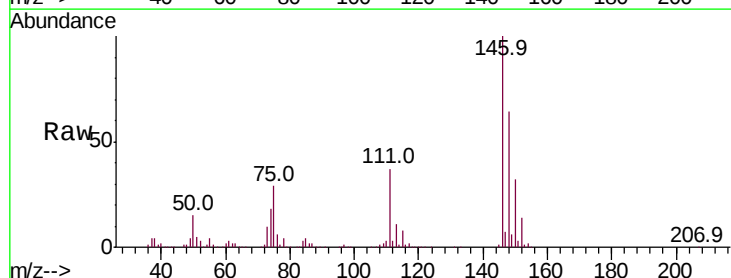
Manual Integrations
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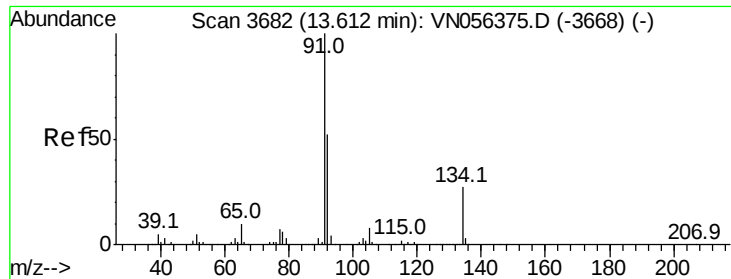
MMDadoda
 6/24/2019 4:15:57 PM



#88
 1,4-Dichlorobenzene
 Concen: 49.674 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056438.D
 Acq: 21 Jun 2019 19:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.4	55.4
148	64.4	32.4	97.0





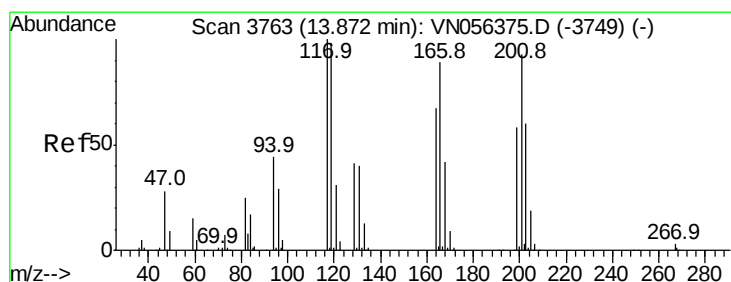
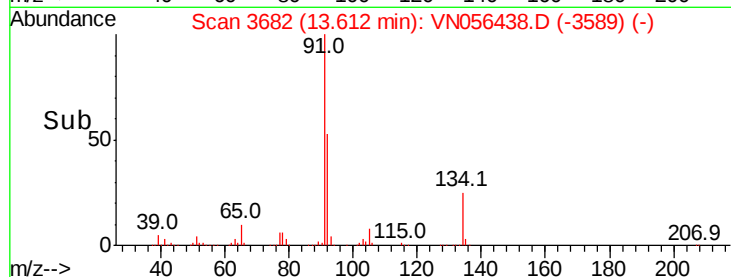
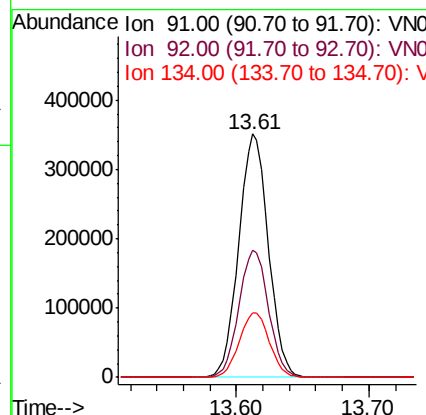
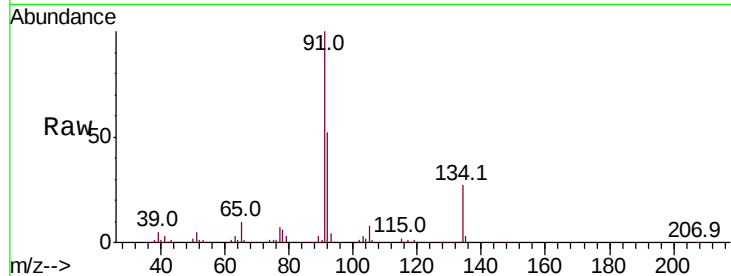
#89
n-Butylbenzene
Concen: 49.090 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056438.D
Acq: 21 Jun 2019 19:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.2	78.5
134	27.1	13.4	40.2

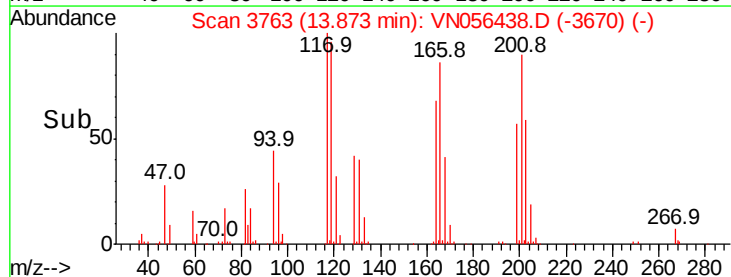
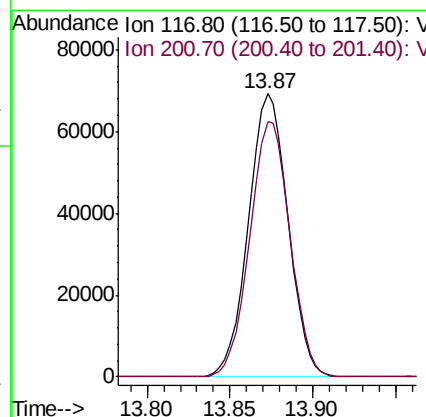
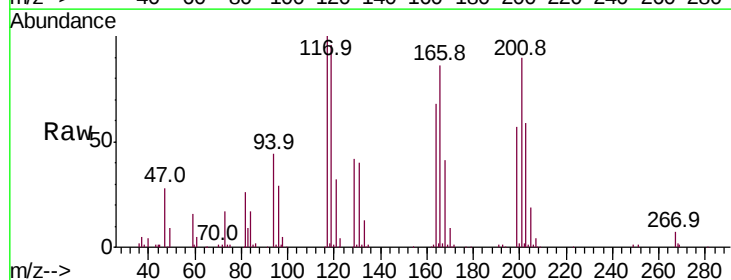
Manual Integrations
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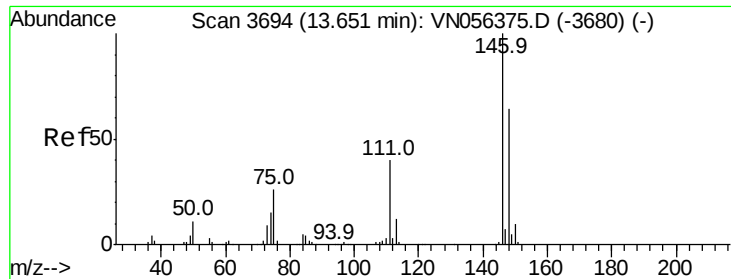
MMDadoda
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#90
Hexachloroethane
Concen: 50.411 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056438.D
Acq: 21 Jun 2019 19:57

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.5	45.9	137.6





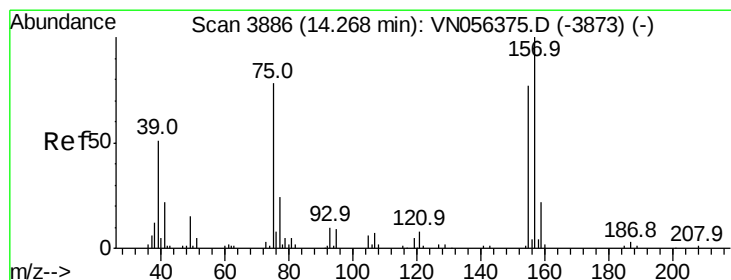
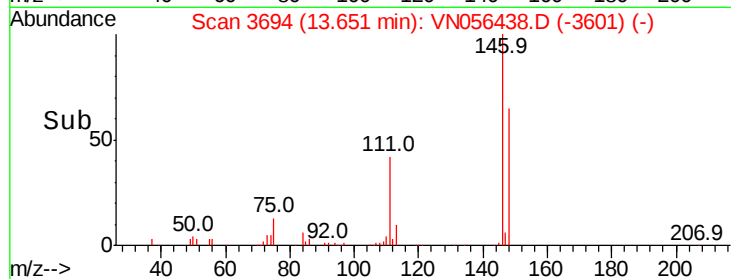
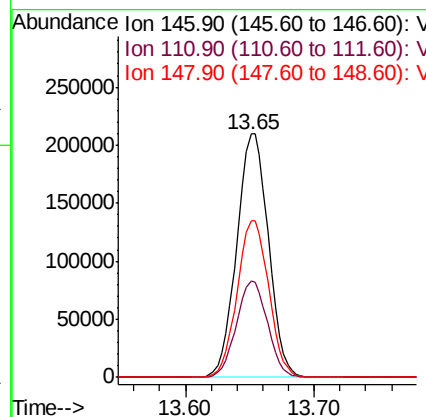
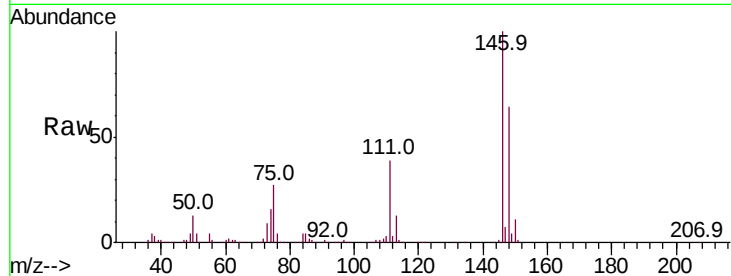
#91
 1,2-Dichlorobenzene
 Concen: 50.282 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN056438.D
 Acq: 21 Jun 2019 19:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.3	57.9
148	64.4	32.0	96.0

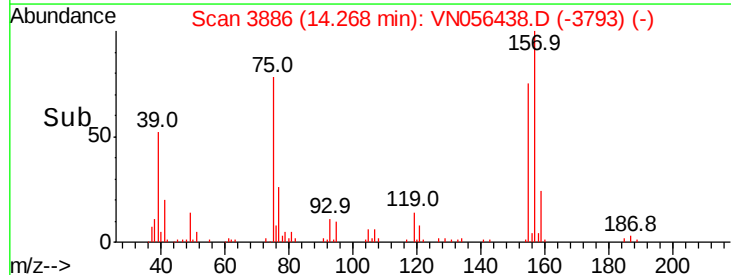
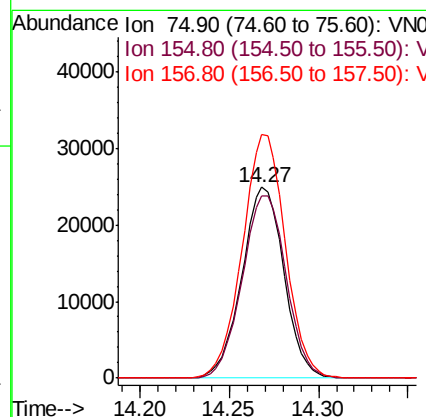
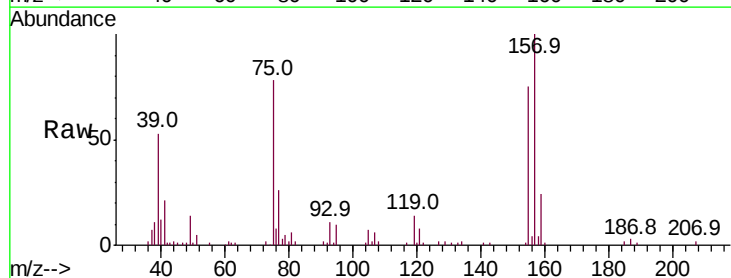
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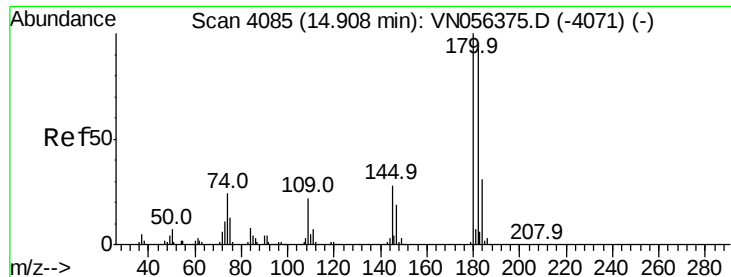
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.385 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056438.D
 Acq: 21 Jun 2019 19:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.7	48.9	146.8
157	130.5	62.9	188.8





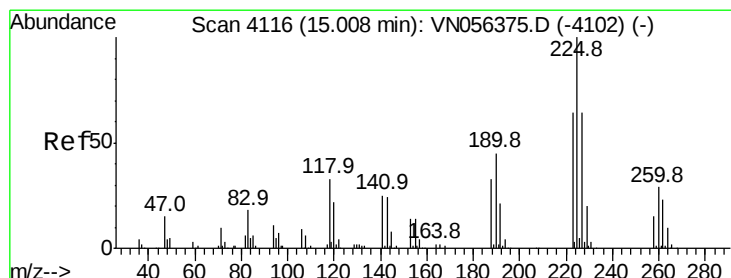
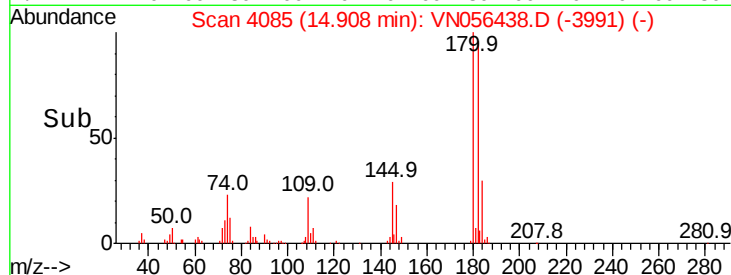
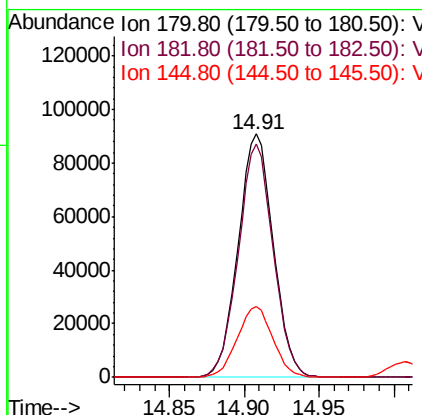
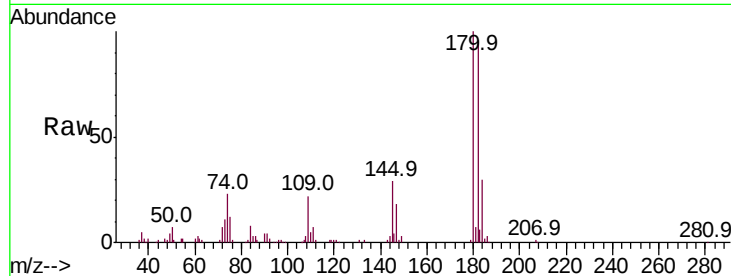
#93
 1,2,4-Trichlorobenzene
 Concen: 41.138 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056438.D
 Acq: 21 Jun 2019 19:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.1	46.9	140.6	
145	29.4	14.4	43.0	

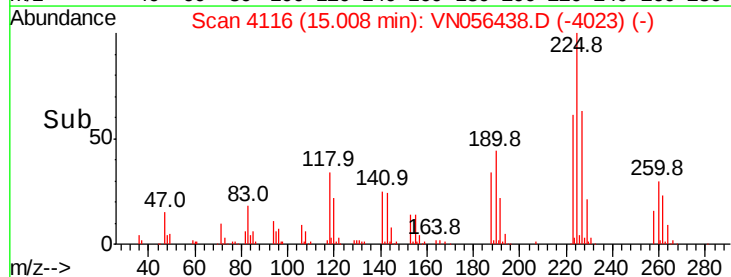
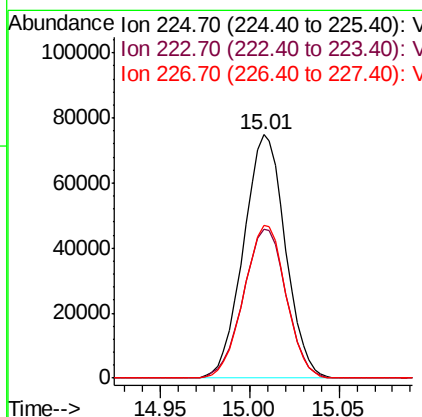
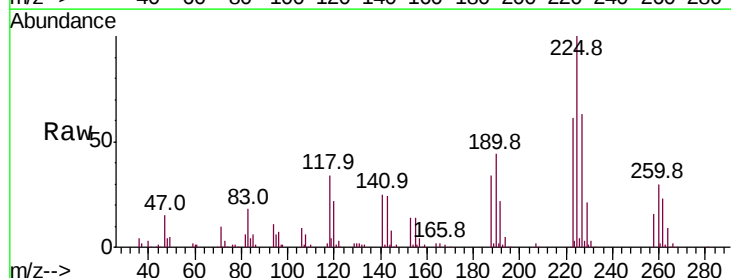
Manual Integrations
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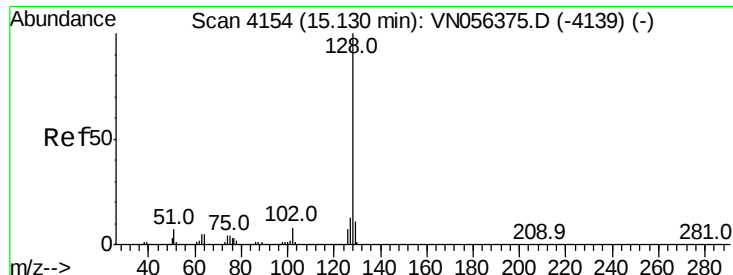
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#94
 Hexachlorobutadiene
 Concen: 50.868 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056438.D
 Acq: 21 Jun 2019 19:57

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.9	31.4	94.3	
227	63.0	32.1	96.3	





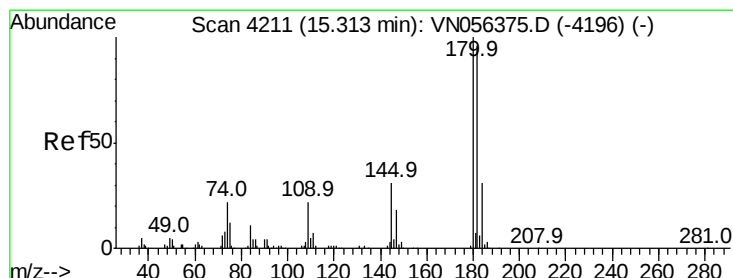
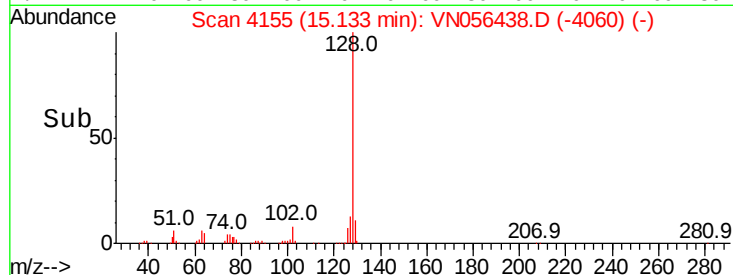
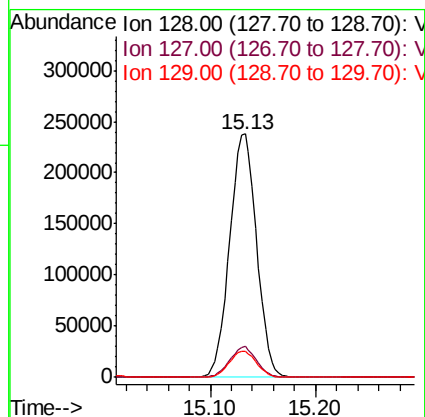
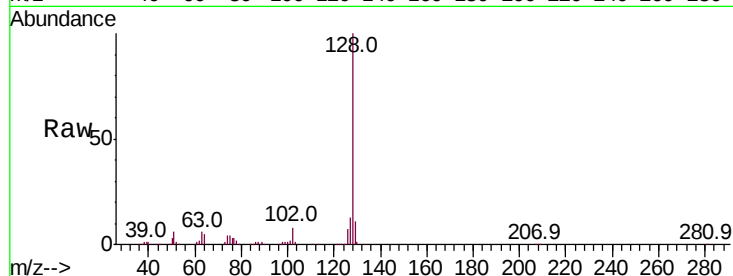
#95
Naphthalene
Concen: 44.083 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN056438.D
Acq: 21 Jun 2019 19:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	10.9	8.6	12.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 44.521 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN056438.D
Acq: 21 Jun 2019 19:57

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	48.3	144.8
145	29.7	15.4	46.1

